

NOTES

SPECIFICATIONS - GEORGIA STANDARD SPECIFICATIONS, 2021 EDITION, AS MODIFIED BY CONTRACT DOCUMENTS.

REINFORCING STEEL - PLACE AND TIE ALL REINFORCING STEEL IN ACCORDANCE WITH THE GEORGIA DOT SPECIFICATIONS. DO NOT WELD REINFORCING STEEL. MAINTAIN 2 INCH MINIMUM CLEARANCE ON ALL REINFORCEMENT UNLESS OTHERWISE NOTED.

FINISH - PROVIDE PLAIN CONCRETE FINISH.

GRAFFITI PROOF COATING - ALL MSE WALL PANELS SHALL HAVE A GRAFFITI PROOF COATING AS PER SECTION 838 OF THE GEORGIA DOT SPECIFICATIONS.

STATIONS AND OFFSETS - STATIONS SHOWN ARE ALONG CL COURTESY PARKWAY EXTENSION AND CL IRIS DRIVE. OFFSETS SHOWN ARE MEASURED TO THE FRONT FACE OF WALL.

TEMPORARY SHORING - PROVIDE TEMPORARY SHORING AS NECESSARY FOR WALL CONSTRUCTION.

JOINTS - PROVIDE ONE INCH EXPANSION JOINT IN COPING OR BARRIER AT EVERY FOURTH PANEL. IF BARRIER IS CAST SEPARATELY FROM COPING, ALL JOINTS MUST COINCIDE.

WELDING - ALL WELDING ON GEORGIA DOT PROJECTS SHALL BE PERFORMED BY CERTIFIED WELDERS THAT HAVE IN THEIR POSSESSION A CURRENT WELDING CERTIFICATION CARD ISSUED BY THE OFFICE OF MATERIALS AND TESTING. USE ONLY E70XX (EXCLUDING E7014 AND E7024) LOW HYDROGEN ELECTRODES FOR MANUAL SHIELDED METAL ARC WELDING.

WALL PLANS - THE RETAINING WALL IS CONSIDERED A CONTRACTOR DESIGN. THESE WALL PLANS ARE CONCEPTUAL AND ARE FOR ILLUSTRATIVE PURPOSES ONLY. EXACT NUMBER OF SOIL REINFORCING STRIPS, THEIR LOCATIONS AND LENGTHS SHALL BE PROVIDED BY THE CONTRACTOR FOR THE WALL SYSTEM BID. THE PRESENCE OF THESE CONCEPTUAL PLANS IN THE CONTRACT DOCUMENTS IN NO WAY RELIEVES THE CONTRACTOR FROM PROVIDING A WALL SYSTEM WHICH PROVIDES STRUCTURAL ADEQUACY, IN ACCORDANCE WITH SECTION 627 OF THE GEORGIA DOT SPECIFICATIONS, AT THE BID PRICE.

WALL DESIGN CALCULATIONS - PROVIDE WALL DESIGN CALCULATIONS FOR EACH WALL DESIGN SECTION. CALCULATIONS SHALL INCLUDE THE VERIFICATION OF EXTERNAL STABILITY AND GLOBAL STABILITY, AS WELL AS THE DESIGN FOR INTERNAL STABILITY.

SETTLEMENT MONITORING - SHORT TERM SETTLEMENT MONITORING, USING SETTLEMENT PLATES SPACED AT 100 FEET MAXIMUM, WILL BE REQUIRED ON A BI-WEEKLY BASIS DURING WALL CONSTRUCTION. SUBMIT DETAILS OF THE PLANNED SETTLEMENT MONITORING PROGRAM TO THE GEOTECHNICAL BUREAU OF THE GEORGIA DOT OFFICE OF MATERIALS AND TESTING AT GEOTECHNICAL_SUBMITTALS@DOT.GA.GOV TWO WEEKS PRIOR TO START OF CONSTRUCTION FOR REVIEW AND APPROVAL. MONITORING MAY BE TERMINATED IF LESS THAN 1/4 INCH OF SETTLEMENT IS OBSERVED OVER A PERIOD OF TWO WEEKS. INCLUDE THE COST OF SETTLEMENT MONITORING FOR WALL CONSTRUCTION IN THE OVERALL BID SUBMITTED.

VIBRATION MONITORING - THE PROJECT ENGINEER SHOULD CONTACT THE GEOTECHNICAL BUREAU OF THE GEORGIA DOT OFFICE OF MATERIALS AND TESTING AT GEOTECHNICAL_SUBMITTALS@DOT.GA.GOV TWO WEEKS PRIOR TO WALL CONSTRUCTION. SEE SPECIAL PROVISION 154 - CONSTRUCTION VIBRATION MONITORING. SEE BRIDGE PLANS FOR PAYMENT.

INCIDENTAL ITEMS - INCLUDE THE COST INCIDENTAL TO THE WORK THAT IS NOT SPECIFICALLY COVERED BY THE GEORGIA STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND/OR SPECIAL PROVISIONS IN THE OVERALL BID SUBMITTED. THIS INCLUDES THE COST OF JOINT FILLERS, NEOPRENE PADS, WATERPROOFING AND OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK

LIGHTWEIGHT BACKFILL - LIGHTWEIGHT BACKFILL MATERIAL SHALL NOT BE USED.

FOOTING EXCAVATION - FOOTINGS SHALL BE PROTECTED FROM STANDING WATER AND SURFACE RUN-OFF.

GEORGIA STANDARDS

CHAIN LINK WIRE FENCE ----- GA. STD. 9031N (8-13-85)

DESIGN DATA

SPECIFICATIONS ----- AASHTO LRFD 8TH EDITION, 2017
 SOIL TYPE AND PROFILE ----- SITE CLASSIFICATION D
 DESIGN LIVE LOAD SURCHARGE (SERVICE) ----- 0.250 KSF
 DESIGN LATERAL BRIDGE LOAD (FACTORED) ----- 0.5 KIPS PER FOOT
 ESTIMATED SETTLEMENT ----- 5.5 IN

ASSUMED MSE BACKFILL:
 COHESION ----- 0 PSF
 ANGLE OF INTERNAL FRICTION ----- 38°
 UNIT WEIGHT ----- 135 PCF

RETAINED BACKFILL:
 COHESION ----- 0 PSF
 ANGLE OF INTERNAL FRICTION ----- 32°
 UNIT WEIGHT ----- 120 PCF

FOUNDATION SOIL:
 COHESION ----- 0 PSF
 ANGLE OF INTERNAL FRICTION ----- 33°
 UNIT WEIGHT ----- 120 PCF

SOIL REINFORCEMENT NOTES

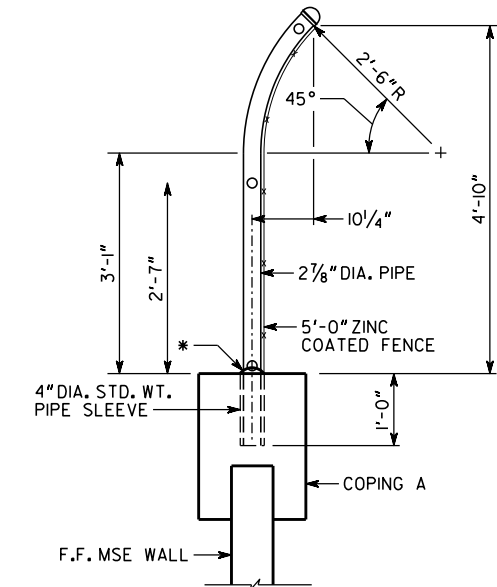
- H = DESIGN HEIGHT, INCLUDING EMBEDMENT
- MINIMUM REINFORCEMENT LENGTH = 0.75H OR 10FT, WHICHEVER IS GREATER
- THE REINFORCEMENT LENGTHS PROVIDED ARE THE MINIMUM LENGTHS REQUIRED FOR EXTERNAL STABILITY. THE REINFORCEMENT LENGTHS USED IN THE CONSTRUCTION OF THE RETAINING WALL SHALL BE THE LONGER OF THAT REQUIRED FOR EXTERNAL STABILITY AND INTERNAL STABILITY, AS DETERMINED BY THE PROPRIETARY WALL COMPANY.

FENCE NOTES

- FENCE SHALL BE 9 GAGE CHAIN LINK ZINC COATED TWO INCH SECURITY FENCE.
- CAST 4" DIA. GALVANIZED SLEEVE IN THE COPING. ALLOW NON-SHRINK, NON-METALLIC GROUT TO CURE FOR THREE DAYS BEFORE FENCE FABRIC IS INSTALLED.
- APPLY GALVANIZING REPAIR COMPOUND, IN ACCORDANCE WITH GEORGIA DOT SPECIFICATION 645, TO ENDS OF 4" DIA. GALVANIZED SLEEVES.
- PROVIDE EXPANSION SLEEVE FOR ALL RAILS TO MATCH WALL EXPANSION JOINTS.
- FASTEN FABRIC TO POSTS AT INTERVALS NOT GREATER THAN 14".
- SPACE POSTS AT A MINIMUM OF 7'-0" AND A MAXIMUM OF 10'-0". PLACE POSTS 1'-0" MINIMUM FROM JOINTS IN COPING.
- FOR FURTHER DETAILS, SEE GEORGIA DOT SPECIFICATIONS SECTIONS 643 AND 894.

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
310-1101	7387	TN	GR AGGR BASE CRS, INCL MATL
457-1015	20376	SY	GEOGRID REINFORCEMENT, TP C
627-1000	91	SF	MSE WALL FACE, 0 - 10 FT HT, WALL NO - 1
627-1010	3172	SF	MSE WALL FACE, 10 - 20 FT HT, WALL NO - 1
627-1020	6216	SF	MSE WALL FACE, 20 - 30 FT HT, WALL NO - 1
627-1030	3566	SF	MSE WALL FACE, GTR THAN 30 FT HT, WALL NO - 1
627-1100	584	LF	COPING A, WALL NO - 1
627-1180	374	CY	ADDITIONAL MSE BACKFILL
643-1152	451	LF	CH LK FENCE, ZC COAT, 6 FT, 9 GA



FENCE POST DETAIL
 SCALE: 3/4" = 1'-0"

* NON-SHRINK, NON-METALLIC PORTLAND CEMENT GROUT IN ACCORDANCE WITH ASTM C1107, TROWEL TO PROVIDE POSITIVE DRAINAGE.

MSE WALL NO. 1



GEORGIA
DEPARTMENT OF TRANSPORTATION
 ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

GENERAL NOTES AND DETAILS
 COURTESY PARKWAY EXTENSION
 OVER IRIS DRIVE, INTERSTATE 20,
 AND DOGWOOD DRIVE

ROCKDALE COUNTY CSSTP-0006-00(934)

NO SCALE (UNLESS OTHERWISE NOTED) MAY 2022

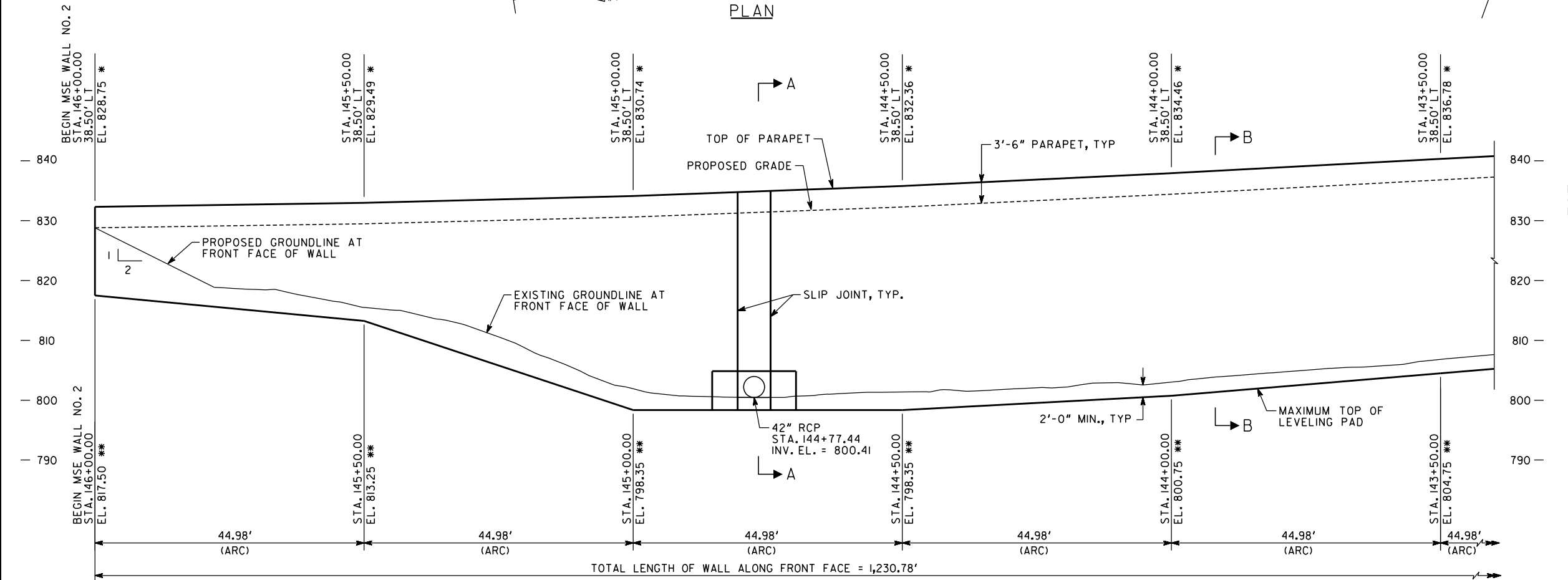
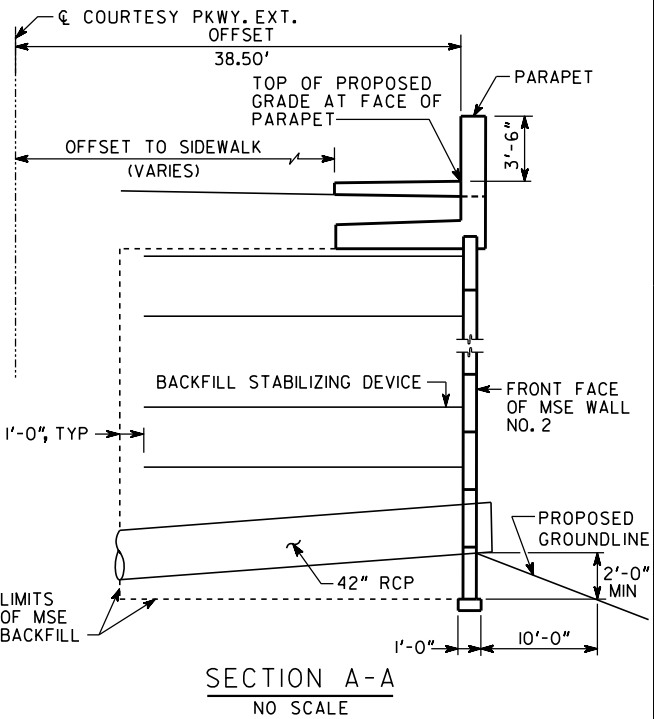
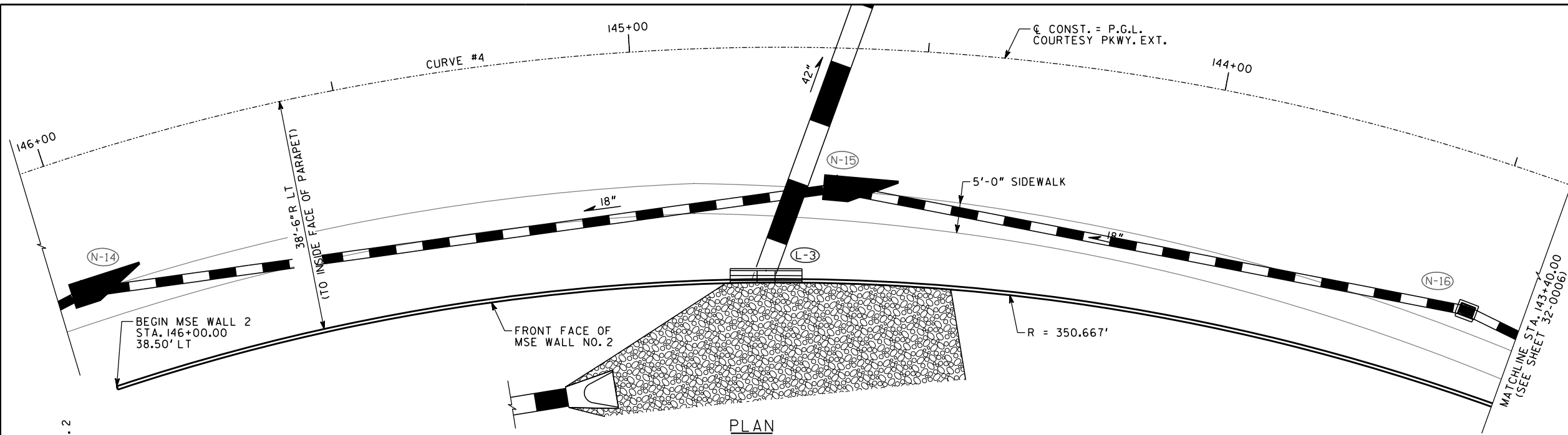
DRAWING NO.
 32-0004

WALL SHEET
 4 OF 4

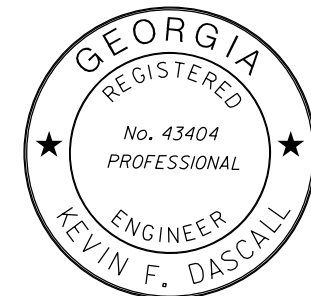
DATE	REVISIONS	BY

DESIGNED: KFD	CHECKED: SWW	REVIEWED: DLC/SKG
DRAWN: JJK	DESIGN GROUP: JRT	APPROVED: DPD

1 INCH WHEN PRINTED FULL SIZE



- NOTES:
- STATIONS ARE ALONG P.G.L. COURTESY PARKWAY EXTENSION. OFFSETS ARE MEASURED TO INSIDE FACE OF PARAPET.
 - FOR WALL SECTION B-B, SEE SHEET 32-0006.
 - "R" DENOTES RADIAL DIMENSION.
 - ELEVATIONS ARE AT TOP OF GROUNDLINE AT INSIDE FACE OF PARAPET.
 - ** 5. ELEVATIONS AT TOP OF LEVELING PAD.



DATE	REVISIONS

MSE WALL NO. 2

ATLAS
2450 Commerce Avenue Suite 100
Duluth, Georgia 30096-8910
Tel: (770) 263-6945
onatlus.com

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

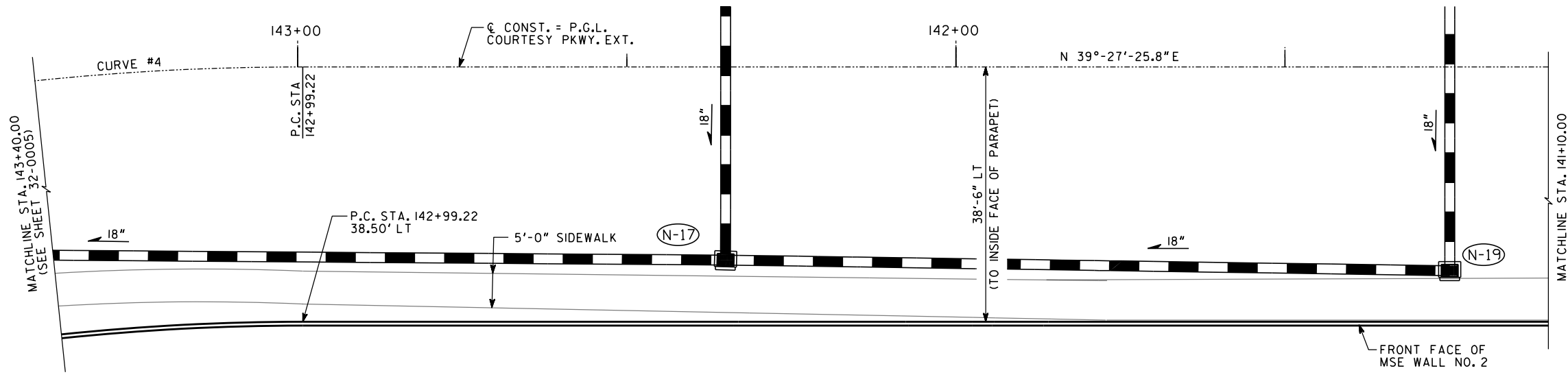
MSE WALL NO. 2
COURTESY PARKWAY EXTENSION
OVER IRIS DRIVE, INTERSTATE 20,
AND DOGWOOD DRIVE

ROCKDALE COUNTY CSSTP-0006-00(934)

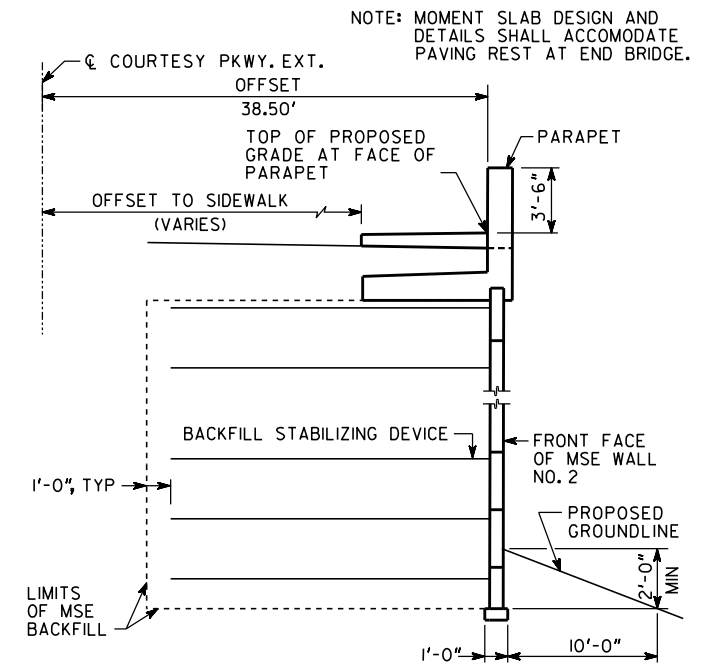
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DRAWN: JJK	DESIGN GROUP: JRT	APPROVED: DPD

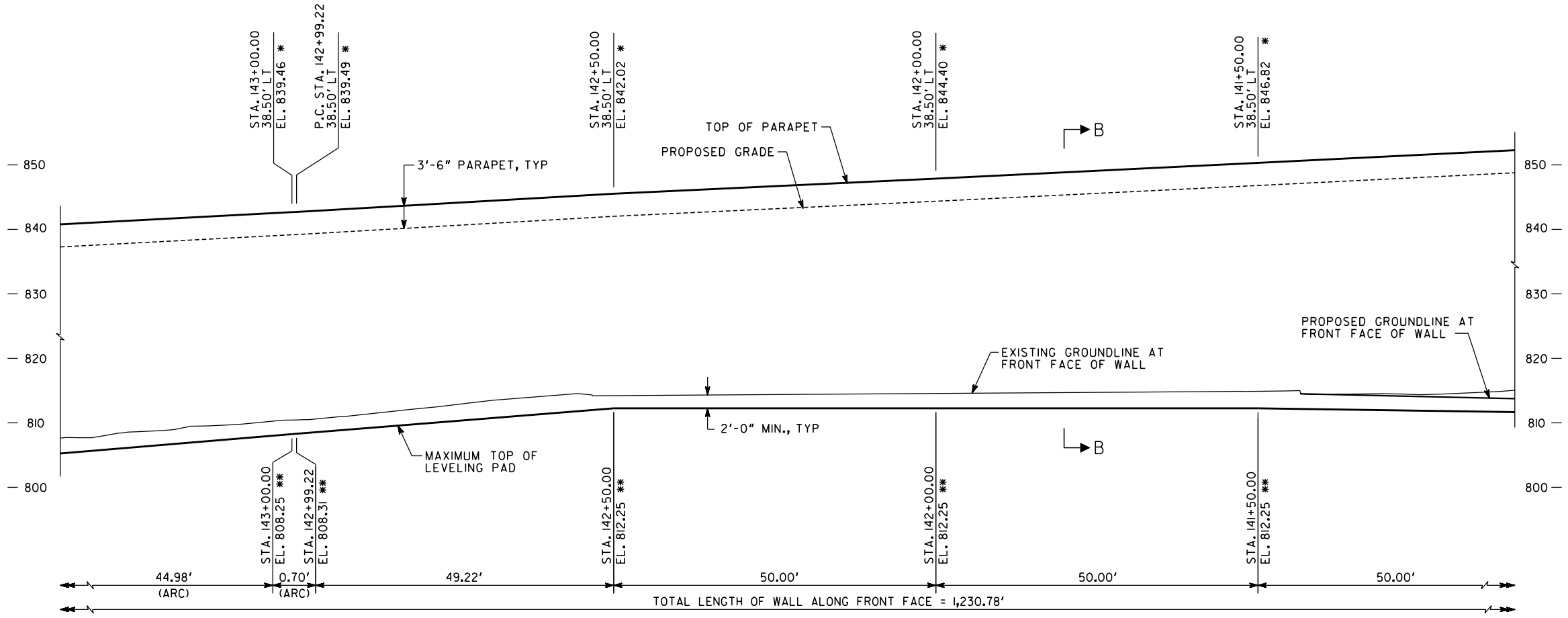
DRAWING NO. 32-0005
WALL SHEET 1 OF 7



PLAN



SECTION B-B
NO SCALE



ELEVATION
(LOOKING AT FRONT FACE OF WALL)

- NOTES:**
1. STATIONS ARE ALONG P.G.L. COURTESY PARKWAY EXTENSION. OFFSETS ARE MEASURED TO INSIDE FACE OF PARAPET.
 - * 2. ELEVATIONS ARE AT TOP OF GROUNDLINE AT INSIDE FACE OF PARAPET.
 - ** 3. ELEVATIONS AT TOP OF LEVELING PAD.

MSE WALL NO. 2

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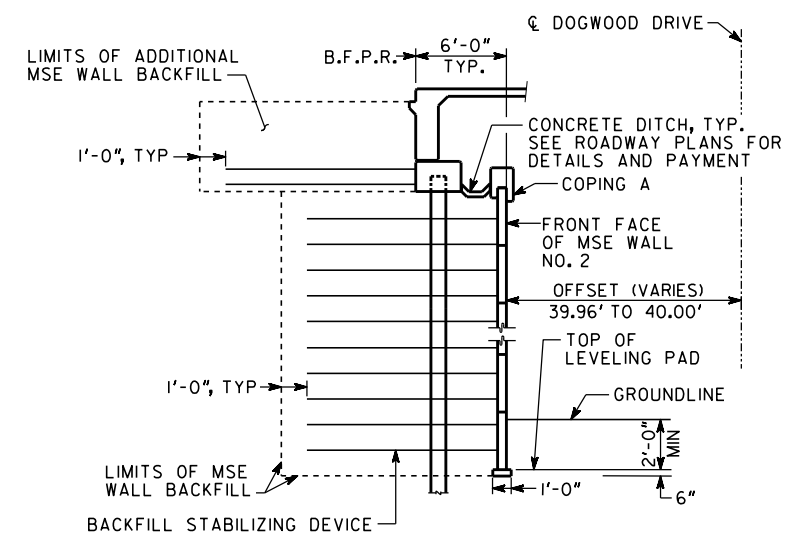
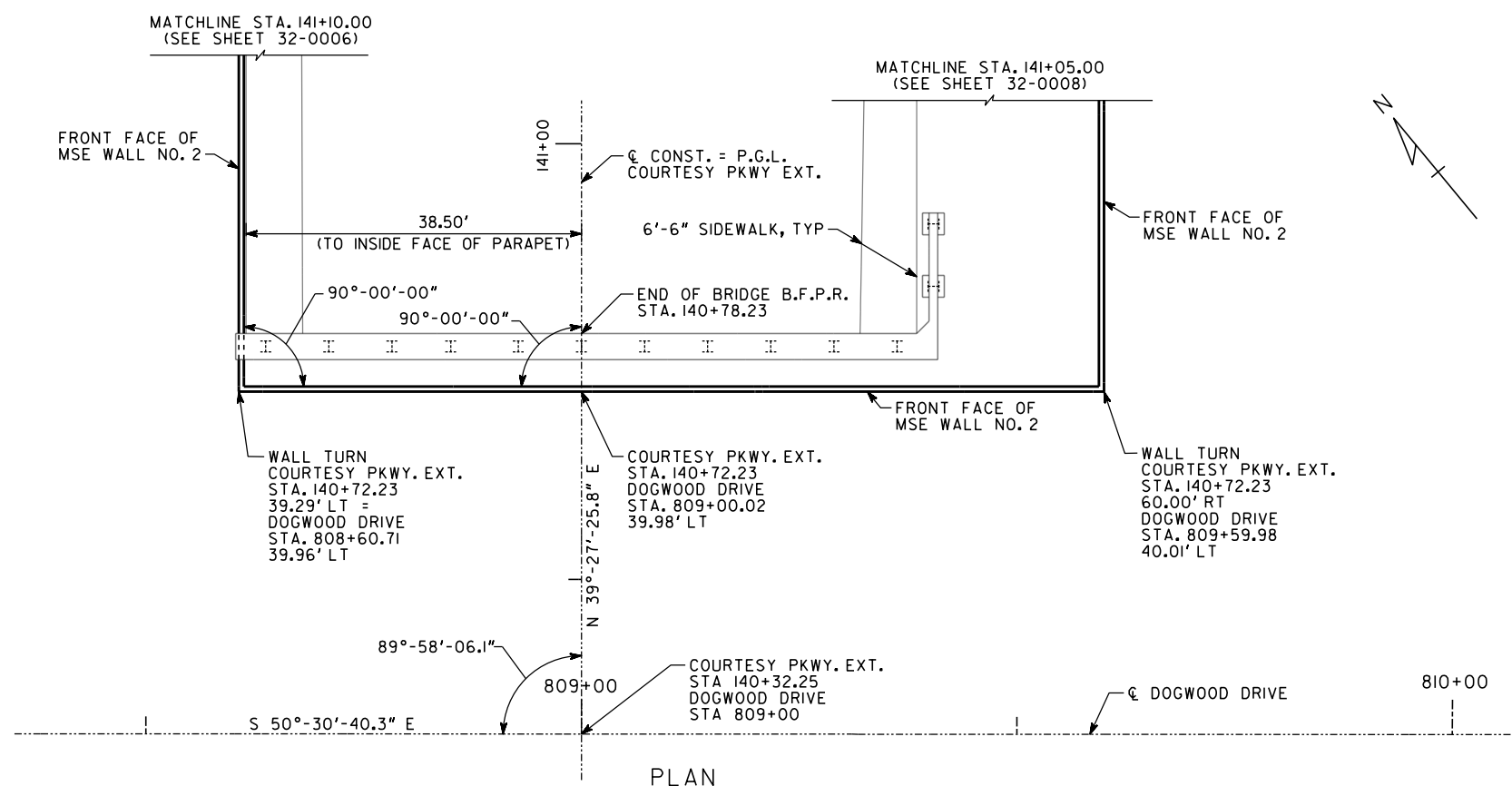
GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

MSE WALL NO. 2
COURTESY PARKWAY EXTENSION
OVER IRIS DRIVE, INTERSTATE 20,
AND DOGWOOD DRIVE

ROCKDALE COUNTY CSSTP-0006-00(934)

SCALE: 1" = 10'-0" MAY 2022

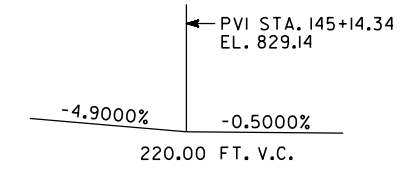
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		DRAWN JKK	DESIGN GROUP JRT	APPROVED DPD



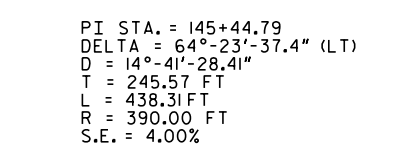
SECTION C-C
NO SCALE

STATION	LT	RT
142+83.16	-2.00%	+2.00%
143+31.25	-4.00%	+4.00%
147+05.41	-4.00%	+4.00%
147+53.60	-2.00%	+2.00%

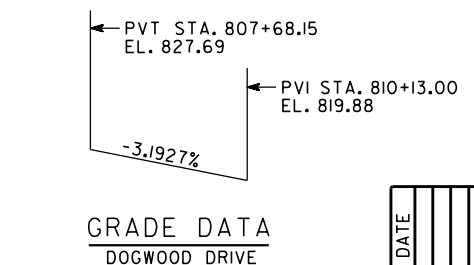
SUPERELEVATION TRANSITION DATA
CURVE #4



VERTICAL CURVE DATA
COURTESY PARKWAY EXTENSION

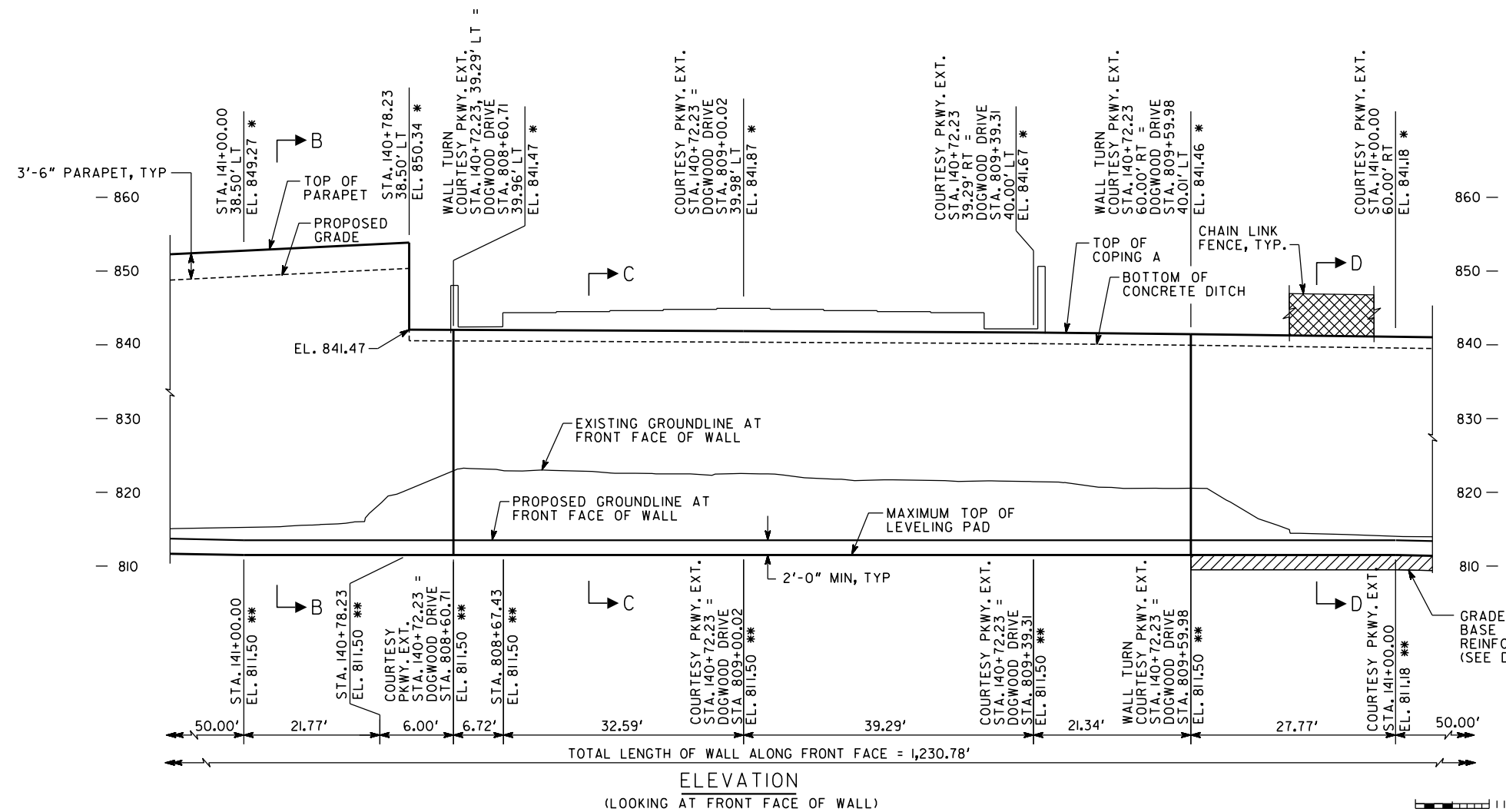


HORIZONTAL CURVE DATA
CURVE #4



GRADE DATA
DOGWOOD DRIVE

- NOTES:
- STATIONS ARE ALONG P.G.L. COURTESY PARKWAY EXTENSION. OFFSETS ARE MEASURED TO FRONT FACE OF WALL WITH COPING OR INSIDE FACE OF PARAPET.
 - FOR WALL SECTION B-B, SEE SHEET 32-0006.
 - FOR WALL SECTION D-D, SEE SHEET 32-0008.
 - ROADWAY IS NORMAL CROWN PRIOR TO STATIONS SHOWN IN SUPERELEVATION TRANSITION DATA TABLE.
 - ELEVATIONS ARE AT TOP OF COPING A, OR TOP OF GROUNDLINE AT INSIDE FACE OF PARAPET.
 - ELEVATIONS AT TOP OF LEVELING PAD.



ELEVATION
(LOOKING AT FRONT FACE OF WALL)

MSE WALL NO. 2

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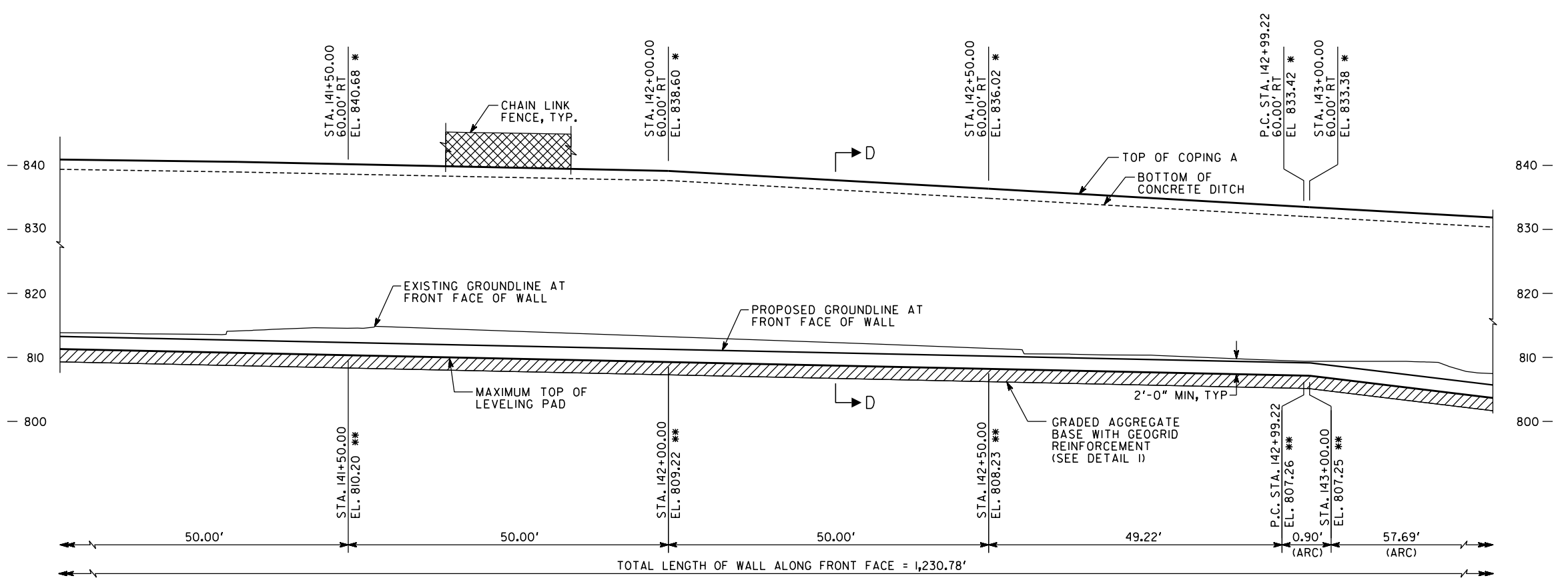
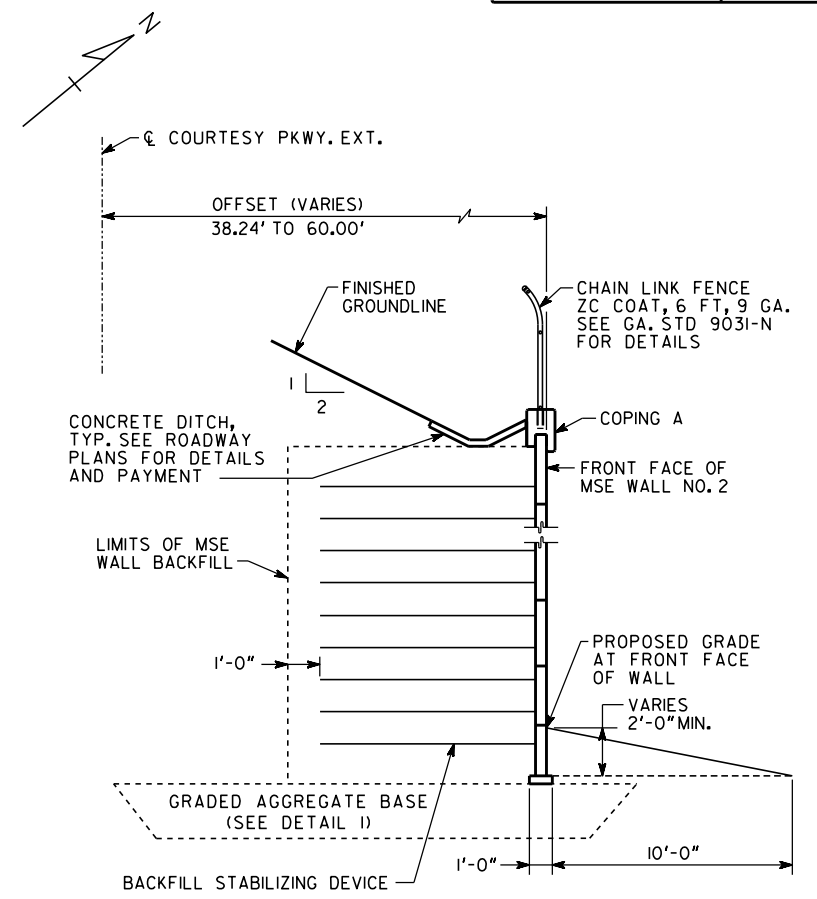
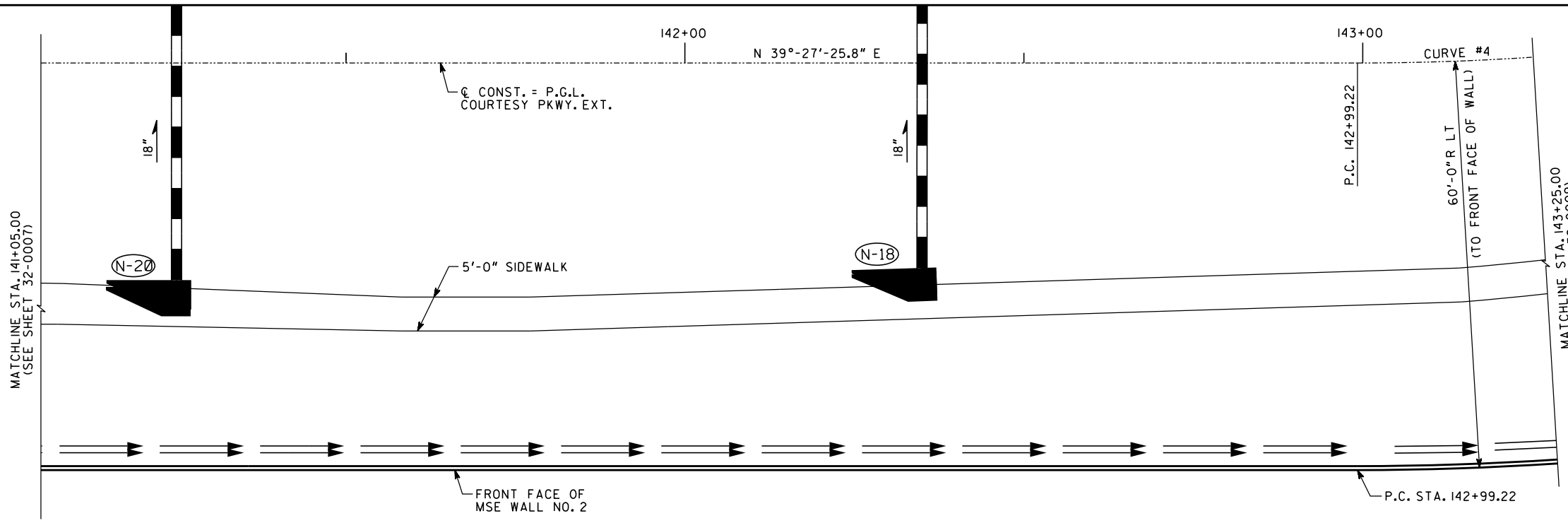
GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

MSE WALL NO. 2
COURTESY PARKWAY EXTENSION
OVER IRIS DRIVE, INTERSTATE 20,
AND DOGWOOD DRIVE

ROCKDALE COUNTY CSSTP-0006-00(934)

SCALE: 1" = 10'-0" MAY 2022

DRAWING NO. 32-0007	DESIGNED KFD	CHECKED SWW	REVIEWED DLC/SKG
WALL SHEET 3 OF 7	DRAWN JKK	DESIGN GROUP JRT	APPROVED DPD



- NOTES:
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 - * 2. ELEVATIONS ARE AT TOP OF COPING A.
 - ** 3. ELEVATIONS AT TOP OF LEVELING PAD.

MSE WALL NO. 2

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MSE WALL NO. 2
COURTESY PARKWAY EXTENSION
OVER IRIS DRIVE, INTERSTATE 20,
AND DOGWOOD DRIVE

ROCKDALE COUNTY CSSTP-0006-00(934)

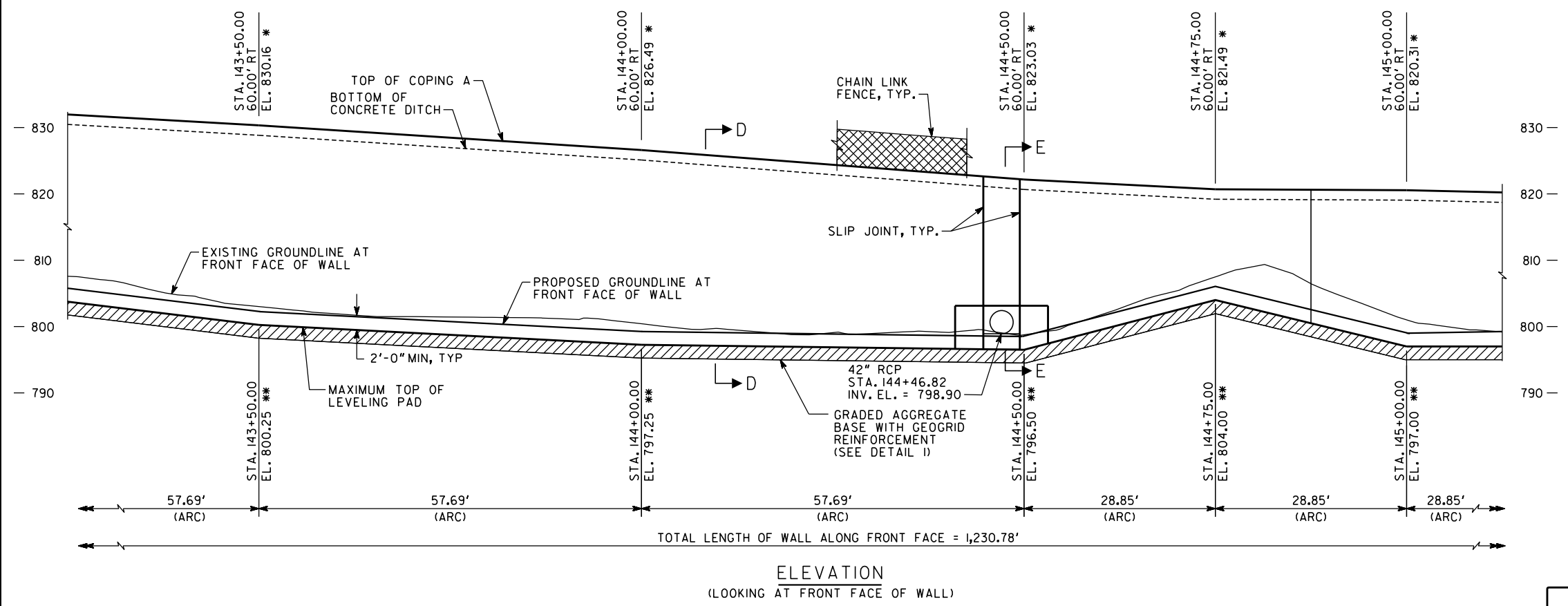
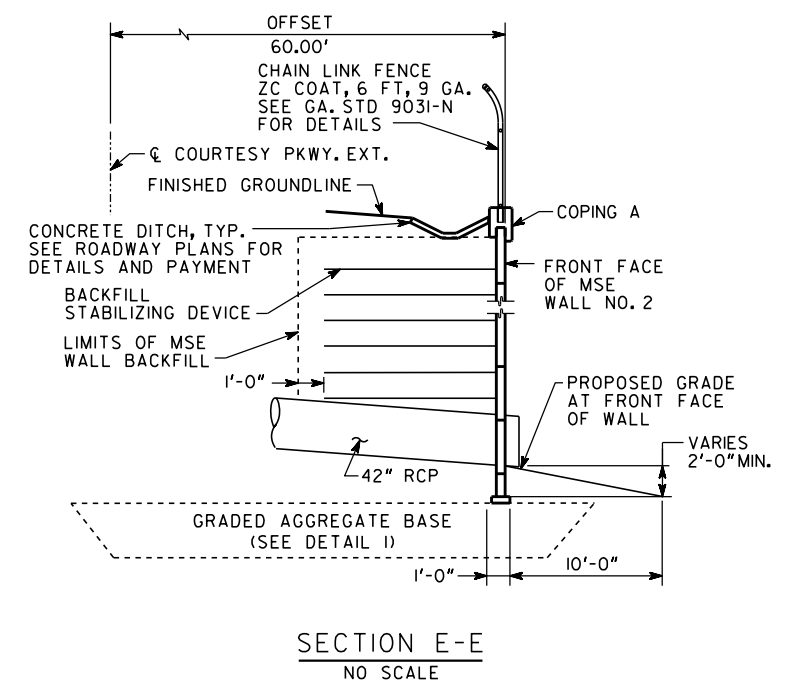
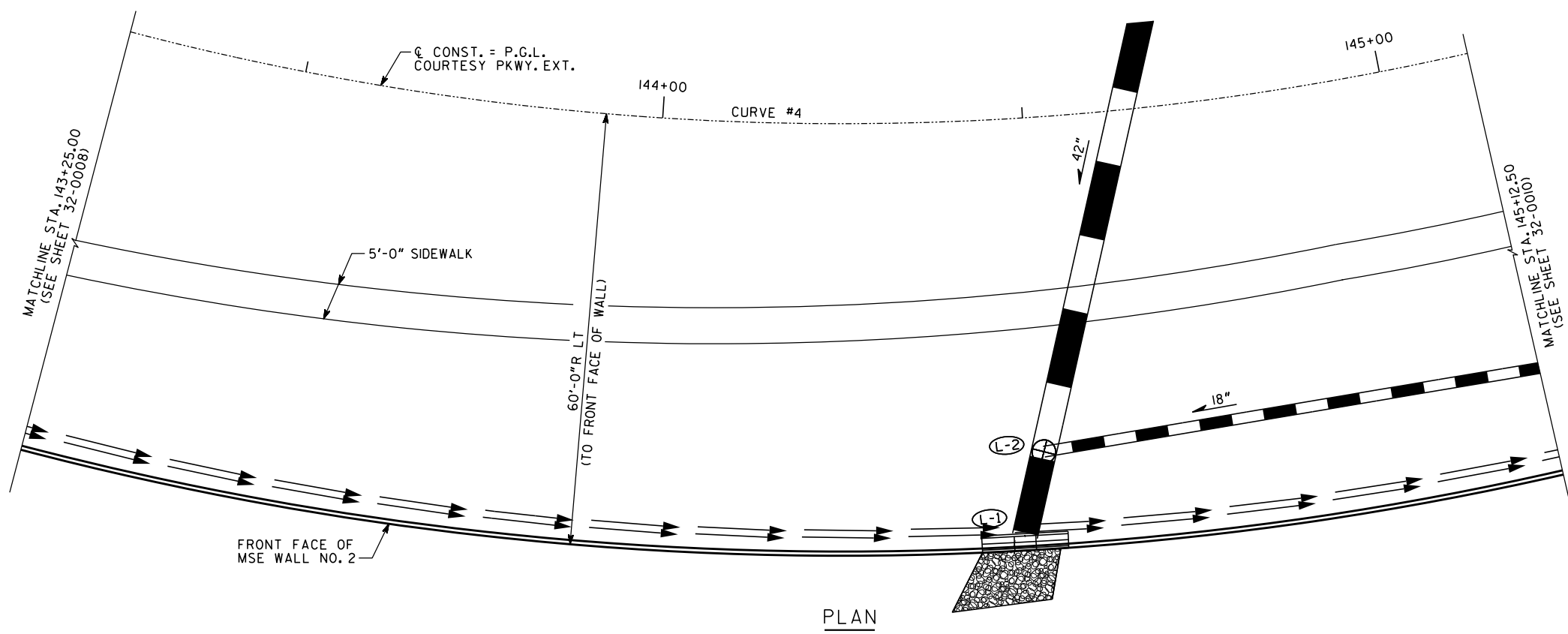
SCALE: 1" = 10'-0" MAY 2022

DESIGNED	KFD	CHECKED	SWW	REVIEWED	DLC/SKG
DRAWN	JJK	DESIGN GROUP	JRT	APPROVED	DPD

DATE	REVISIONS

DRAWING NO. 32-0008
WALL SHEET 4 OF 7

1 INCH WHEN PRINTED FULL SIZE



- NOTES:**
- STATIONS ARE ALONG P.G.L. COURTESY PARKWAY EXTENSION. OFFSETS ARE MEASURED TO FRONT FACE OF WALL.
 - FOR WALL SECTION D-D, SEE SHEET 32-0008.
 - "R" DENOTES RADIAL DIMENSION.
 - ELEVATIONS ARE AT TOP OF COPING A.
 - ELEVATIONS AT TOP OF LEVELING PAD.

MSE WALL NO. 2

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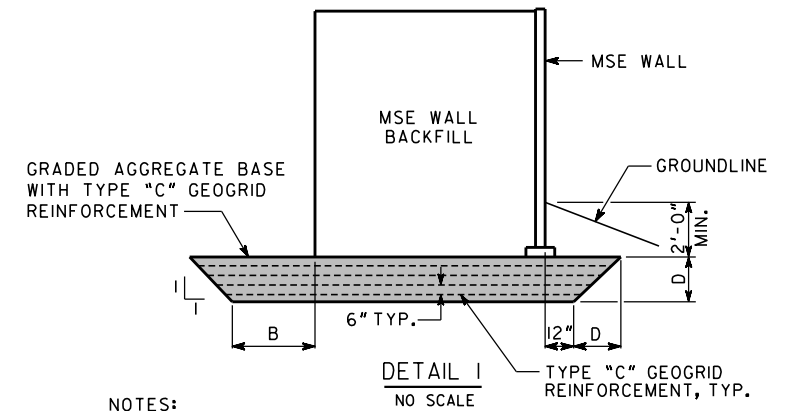
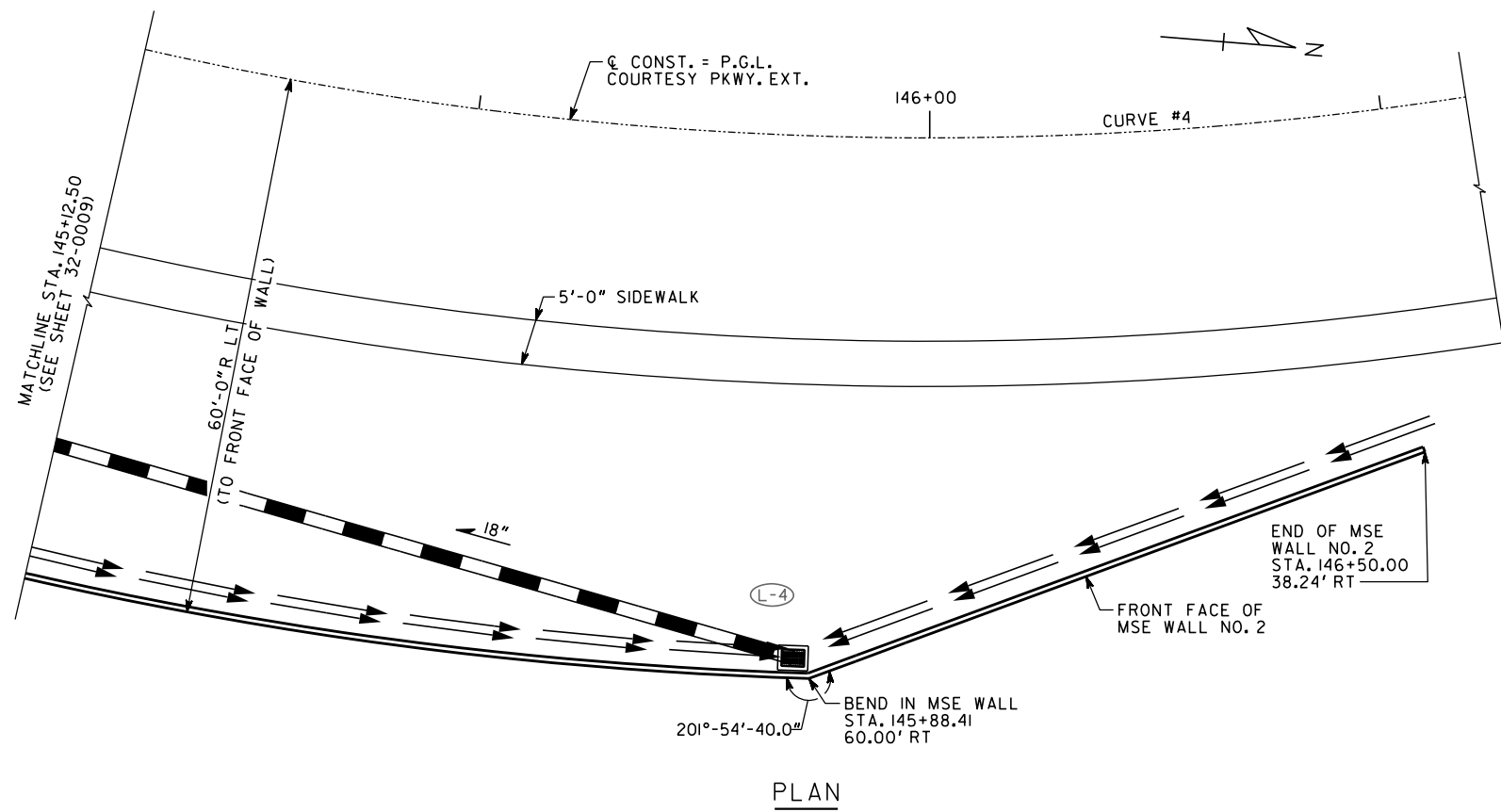
MSE WALL NO. 2
COURTESY PARKWAY EXTENSION
OVER IRIS DRIVE, INTERSTATE 20,
AND DOGWOOD DRIVE

ROCKDALE COUNTY CSSTP-0006-00(934)

SCALE: 1" = 10'-0" MAY 2022

DATE	REVISIONS	BY

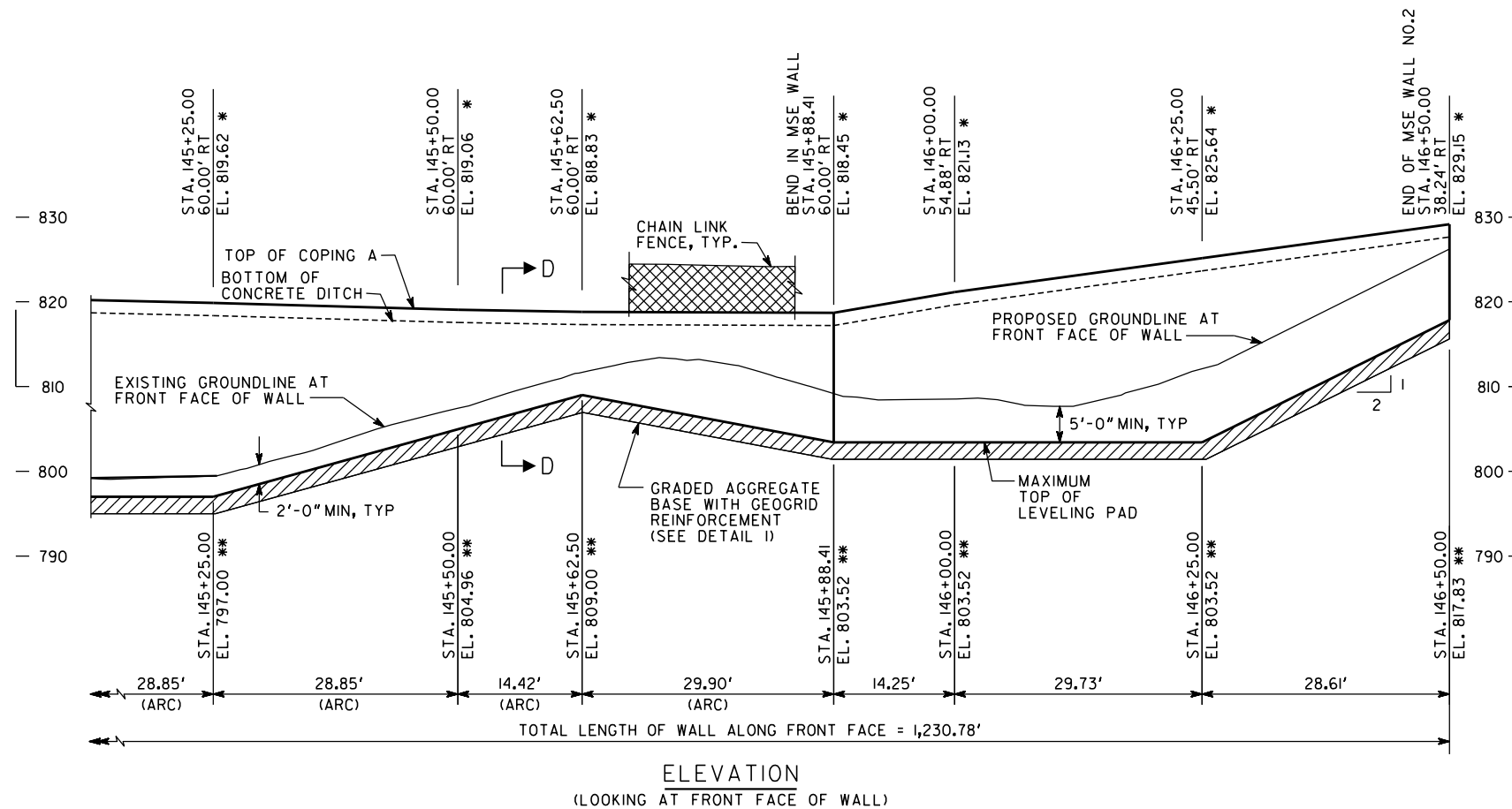
DRAWING NO. 32-0009	DESIGNED KFD	CHECKED SWW	REVIEWED DLC/SKG
WALL SHEET 5 OF 7	DRAWN JKJ	DESIGN GROUP JRT	APPROVED DPD



- NOTES:
- UNDERCUT THE EXISTING FOUNDATION SOILS AS INDICATED.
 - BACKFILL WITH GRADED AGGREGATE BASE AND PLACE LAYERS OF TYPE "C" GEOGRID 6" APART.
- | STATION RANGE | LOCATION | D | B |
|--|----------|----|----|
| 140+72.23 TO 145+00.00 (COURTESY PKWY) | RIGHT | 3' | 3' |
| 145+00.00 TO 146+50.00 (COURTESY PKWY) | RIGHT | 4' | 7' |

NOTES:

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MSE WALL NO. 2



GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

MSE WALL NO. 2
COURTESY PARKWAY EXTENSION
OVER IRIS DRIVE, INTERSTATE 20,
AND DOGWOOD DRIVE
ROCKDALE COUNTY CSSTP-0006-00(934)

SCALE: 1" = 10'-0" MAY 2022

DRAWING NO.
32-0010
WALL SHEET
6 OF 7

REVISIONS	DATE

DESIGNED	KFD	CHECKED	SWW	REVIEWED	DLC/SKG
DRAWN	JJK	DESIGN GROUP	JRT	APPROVED	DPD

NOTES

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STAGE CONSTRUCTION - CONSTRUCT WALL TO A MAXIMUM HEIGHT OF 34 FEET PER STAGE. A WAITING PERIOD OF 30 DAYS SHALL BE REQUIRED BETWEEN EACH STAGE. AN ADDITIONAL WAITING PERIOD OF 30 DAYS SHALL BE OBSERVED AFTER THE FINAL STAGE OF BACKFILL PLACEMENT IS COMPLETED AND PRIOR TO THE CONSTRUCTION OF ANY COPING, BARRIER, PAVEMENT, OR BRIDGE SUBSTRUCTURE ABOVE THE WALL.

TEMPORARY SHORING - PROVIDE TEMPORARY SHORING AS NECESSARY FOR WALL CONSTRUCTION.

JOINTS - PROVIDE ONE INCH EXPANSION JOINT IN COPING OR BARRIER AT EVERY FOURTH PANEL. IF BARRIER IS CAST SEPARATELY FROM COPING, ALL JOINTS MUST COINCIDE.

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FOOTING EXCAVATION - FOOTINGS SHALL BE PROTECTED FROM STANDING WATER AND SURFACE RUN-OFF.

GEORGIA STANDARDS

CHAIN LINK WIRE FENCE ----- GA. STD. 9031N (8-13-85)

DESIGN DATA

SPECIFICATIONS ----- AASHTO LRFD 8TH EDITION, 2017
 SOIL TYPE AND PROFILE ----- SITE CLASSIFICATION D
 DESIGN LIVE LOAD SURCHARGE (SERVICE) ----- 0.250 KSF
 DESIGN LATERAL BRIDGE LOAD (FACTORED) ----- 0.5 KIPS PER FOOT
 ESTIMATED SETTLEMENT ----- 6.5 IN

ASSUMED MSE BACKFILL:
 COHESION ----- 0 PSF
 ANGLE OF INTERNAL FRICTION ----- 38°
 UNIT WEIGHT ----- 135 PCF

RETAINED BACKFILL:
 COHESION ----- 0 PSF
 ANGLE OF INTERNAL FRICTION ----- 32°
 UNIT WEIGHT ----- 120 PCF

FOUNDATION SOIL (COURTESY PARKWAY EXTENSION):
 COHESION ----- 0 PSF
 ANGLE OF INTERNAL FRICTION ----- SEE TABLE
 UNIT WEIGHT ----- SEE TABLE

FOUNDATION SOIL (DOGWOOD DRIVE):
 COHESION ----- 0 PSF
 ANGLE OF INTERNAL FRICTION ----- 33°
 UNIT WEIGHT ----- 120 PCF

STATION RANGE	ANGLE OF INTERNAL FRICTION	UNIT WEIGHT
140+72.23, LT - 146+00, LT	31	115
140+72.23, RT - 144+50, RT	32	120
144+50, RT - 146+50, RT	31	115

SOIL REINFORCEMENT NOTES

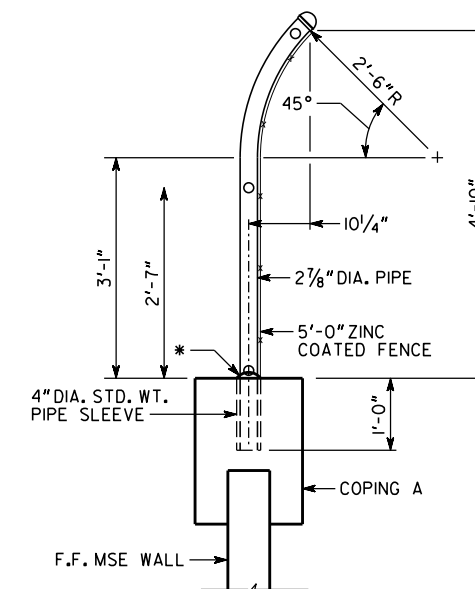
- H = DESIGN HEIGHT, INCLUDING EMBEDMENT
- MINIMUM REINFORCEMENT LENGTH = 0.75H OR 10FT, WHICHEVER IS GREATER
- THE REINFORCEMENT LENGTHS PROVIDED ARE THE MINIMUM LENGTHS REQUIRED FOR EXTERNAL STABILITY. THE REINFORCEMENT LENGTHS USED IN THE CONSTRUCTION OF THE RETAINING WALL SHALL BE THE LONGER OF THAT REQUIRED FOR EXTERNAL STABILITY AND INTERNAL STABILITY, AS DETERMINED BY THE PROPRIETARY WALL COMPANY.

FENCE NOTES

- FENCE SHALL BE 9 GAGE CHAIN LINK ZINC COATED TWO INCH SECURITY FENCE.
- CAST 4" DIA. GALVANIZED SLEEVE IN THE COPING. ALLOW NON-SHRINK, NON-METALLIC GROUT TO CURE FOR THREE DAYS BEFORE FENCE FABRIC IS INSTALLED.
- APPLY GALVANIZING REPAIR COMPOUND, IN ACCORDANCE WITH GEORGIA DOT SPECIFICATION 645, TO ENDS OF 4" DIA. GALVANIZED SLEEVES.
- PROVIDE EXPANSION SLEEVE FOR ALL RAILS TO MATCH WALL EXPANSION JOINTS.
- FASTEN FABRIC TO POSTS AT INTERVALS NOT GREATER THAN 14".
- SPACE POSTS AT A MINIMUM OF 7'-0" AND A MAXIMUM OF 10'-0". PLACE POSTS 1'-0" MINIMUM FROM JOINTS IN COPING.
- FOR FURTHER DETAILS, SEE GEORGIA DOT SPECIFICATIONS SECTIONS 643 AND 894.

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
310-1101	4397	TN	GR AGGR BASE CRS, INCL MATL
457-1015	11031	SY	GEOGRID REINFORCEMENT, TP C
627-1000	44	SF	MSE WALL FACE, 0 - 10 FT HT, WALL NO - 2
627-1010	2995	SF	MSE WALL FACE, 10 - 20 FT HT, WALL NO - 2
627-1020	12080	SF	MSE WALL FACE, 20 - 30 FT HT, WALL NO - 2
627-1030	19232	SF	MSE WALL FACE, GTR THAN 30 FT HT, WALL NO - 2
627-1100	740	LF	COPING A, WALL NO - 2
627-1120	492	LF	COPING B, WALL NO - 2
627-1180	480	CY	ADDITIONAL MSE BACKFILL
643-1152	634	LF	CH LK FENCE, ZC COAT, 6 FT, 9 GA



FENCE POST DETAIL
 SCALE: 3/4" = 1'-0"

* NON-SHRINK, NON-METALLIC PORTLAND CEMENT GROUT IN ACCORDANCE WITH ASTM C1107, TROWEL TO PROVIDE POSITIVE DRAINAGE.

MSE WALL NO. 2



GEORGIA
DEPARTMENT OF TRANSPORTATION
 ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

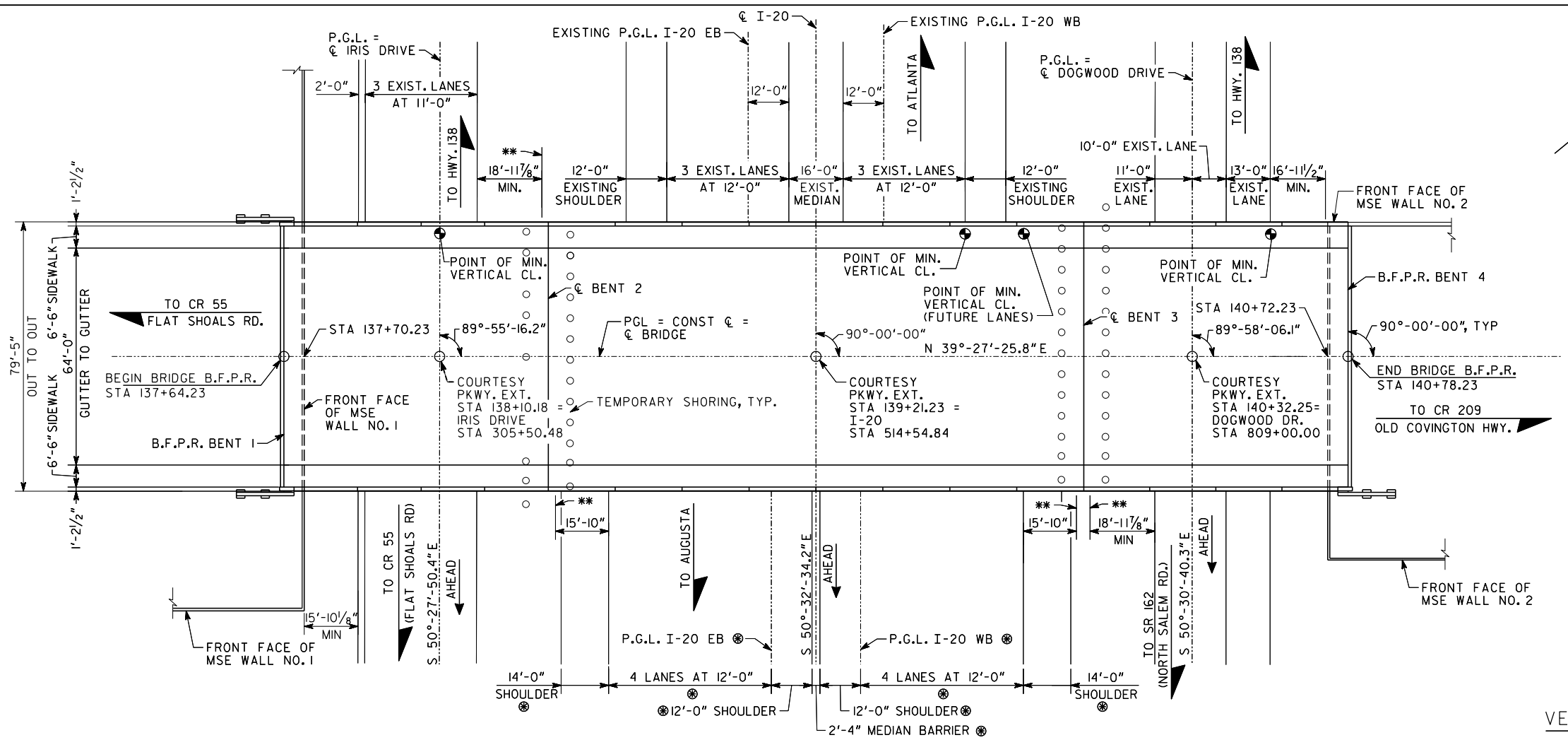
GENERAL NOTES AND DETAILS
 COURTESY PARKWAY EXTENSION
 OVER IRIS DRIVE, INTERSTATE 20,
 AND DOGWOOD DRIVE

ROCKDALE COUNTY CSSTP-0006-00(934)

NO SCALE (UNLESS OTHERWISE NOTED) MAY 2022

DRAWING NO. 32-0011	DESIGNED KFD	CHECKED SWW	REVIEWED DLC/SKG
WALL SHEET 7 OF 7	DRAWN JJK	DESIGN GROUP JRT	APPROVED DPD

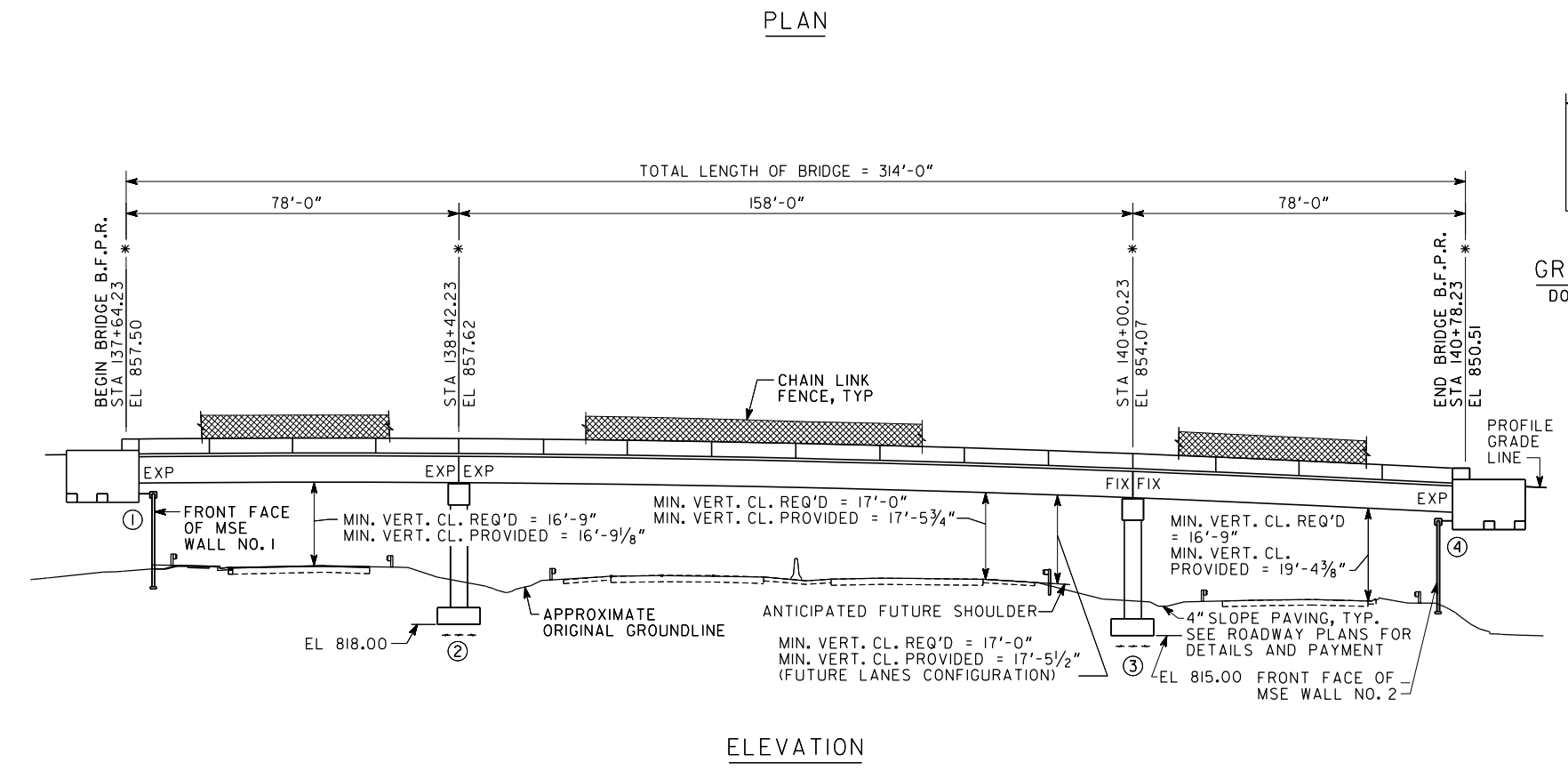
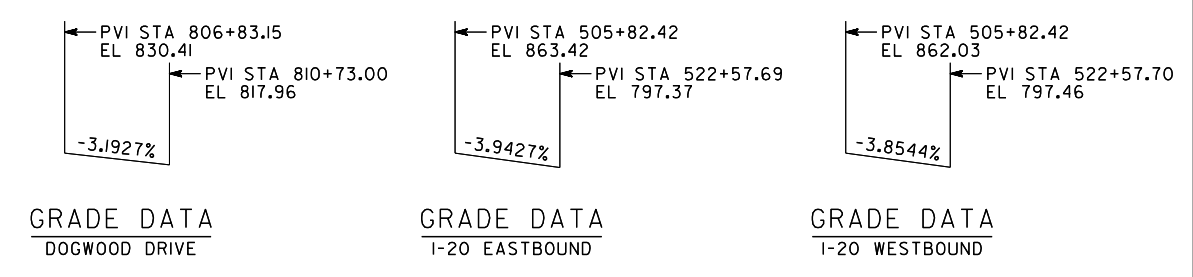
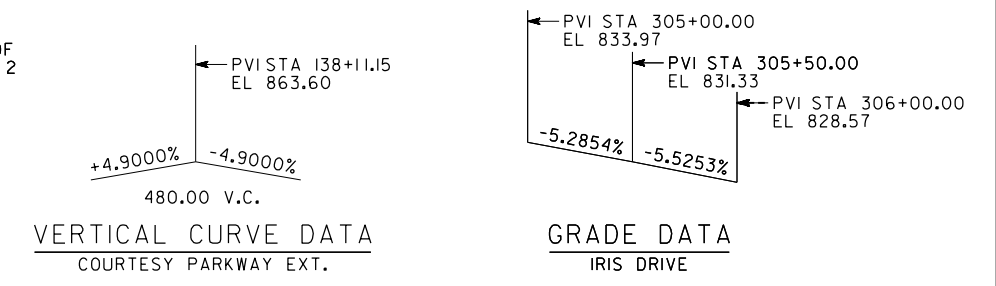
1 INCH WHEN PRINTED FULL SIZE



NOTES:

- * STATIONS AND ELEVATIONS ARE ALONG PROFILE GRADE LINE AT THE INTERSECTION OF PROFILE GRADE LINE AND B.F.P.R. OR C BENTS.
- ** FACE OF COLUMN.
- ⊗ FUTURE CONFIGURATION.

1. ALL BENTS ARE PARALLEL TO BENT 4.
2. END BENT PILES NOT SHOWN.
3. FUTURE VERTICAL CLEARANCE BASED ON ASSUMED NORMAL CROWN OF 2%.



PROJECT P.I. NO. 0006934
BRIDGE NO. 1

ATLAS
2450 Commerce Avenue Suite 100
Duluth, Georgia 30096-8910
Tel.: (770) 263-5945
atlas.com

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

PLAN AND ELEVATION
COURTESY PARKWAY EXTENSION OVER
IRIS DRIVE, I-20, AND DOGWOOD DRIVE
ROCKDALE COUNTY CSSTP-0006-00(934)

SCALE: 1" = 20'-0" DECEMBER 2022

DRAWING NO. 35-0001	DESIGNED BLB	CHECKED KFD	REVIEWED DLC/SKG
BRIDGE SHEET 1 OF 18	DRAWN JKJ	DESIGN GROUP JRT	APPROVED DPD

BRIDGE CONSISTS OF

- 2 - 78'-0" TYPE III PSC BEAM SPANS WITH BULB TEE, 74 IN, PSC FASCIA BEAMS ----- SPECIAL DESIGN
- 1 - 158'-0" BULB TEE, 74 IN, PSC BEAM SPANS ----- SPECIAL DESIGN
- 2 - STEEL H PILE END BENTS WITH MSE WALL ABUTMENTS----- SPECIAL DESIGN
- 2 - CONCRETE INTERMEDIATE BENTS ----- SPECIAL DESIGN
- 3 - END POST AND GUARDRAIL ATTACHMENT DETAIL ----- GA. STD. 3054 (9-30-02) (L = 4'-3"; W = 1'-1"; H = 3'-6")
- BAR BENDING DETAILS ----- GA. STD. 3901 (8-69)
- CHAIN LINK WIRE FENCE ----- GA. STD. 9031N (8-13-85)

DESIGN DATA

SPECIFICATIONS ----- AASHTO LRFD 8TH EDITION, 2017 (DESIGNED FOR SEISMIC PERFORMANCE ZONE 1A, AS 0.094, SDI = 0.128)

DESIGN VEHICLE LIVE LOAD ----- HL-93

FUTURE PAVING ALLOWANCE ----- 30 LBS PER SQ FT

CONCRETE: SUPERSTRUCTURE ----- CLASS D, $f'_c = 4,000$ PSI
 BARRIER ----- CLASS D, $f'_c = 4,000$ PSI
 PSC BEAMS ----- CLASS AAA, $f'_c =$ SEE BEAM SHEETS
 PSC BEAM ALLOWABLE TENSION ----- SEE BEAM SHEETS
 SUBSTRUCTURE ----- CLASS AA, $f'_c = 3,500$ PSI

REINFORCEMENT STEEL: ----- GRADE 60, $f_y = 60,000$ PSI

PRETENSIONING STRANDS: ----- $f_p = 270,000$ PSI

STEEL H-PILES: ----- GRADE 50, $f_y = 50,000$ PSI

UTILITIES

NO UTILITIES ON BRIDGE

TRAFFIC DATA

TRAFFIC ----- ADT = 10,600 (2024)
 ADT = 13,250 (2044)

DESIGN SPEED ----- 35 MPH

TRUCKS ----- 6.5 %

GENERAL NOTES

SPECIFICATIONS - GEORGIA STANDARD SPECIFICATIONS, 2021 EDITION, AS MODIFIED BY CONTRACT DOCUMENTS.

REINFORCING STEEL - PLACE AND TIE ALL REINFORCING STEEL IN ACCORDANCE WITH THE GEORGIA DOT SPECIFICATIONS. DO NOT WELD REINFORCING STEEL. MAINTAIN 2 INCH MINIMUM CLEARANCE ON ALL REINFORCEMENT UNLESS OTHERWISE NOTED.

CHAMFER - CHAMFER ALL EXPOSED CONCRETE EDGES 3/4" UNLESS OTHERWISE NOTED.

PROTECTIVE PLATFORMS - PROVIDE PROTECTIVE PLATFORMS AT THIS SITE, SEE SECTION 510 OF THE GEORGIA DOT SPECIFICATIONS. MAINTAIN A MINIMUM VERTICAL CLEARANCE OF 16'-6" ABOVE I-20.

TEMPORARY SHORING - INCLUDE THE COST OF TEMPORARY SHORING AS NECESSARY FOR BRIDGE CONSTRUCTION IN THE OVERALL BID SUBMITTED.

WAITING PERIOD - NONE REQUIRED.

PLAN DRIVING OBJECTIVE - SEE SUBSTRUCTURE DETAILS.

DRIVING RESISTANCE - DETERMINE DRIVING RESISTANCE FOR PILES USING DYNAMIC PILE TESTING IN ACCORDANCE WITH SUB-SECTION 520.3.05.D.2 OF THE GEORGIA DOT SPECIFICATIONS. DYNAMIC PILE TESTING SHALL BE REQUIRED AT BENTS 1 RT AND 3 LT.

GENERAL NOTES (CON'T)

DYNAMIC PILE TESTING - PERFORM PILE TESTING USING THE PILE DRIVING ANALYZER (PDA) IN ACCORDANCE WITH SPECIAL PROVISION SECTION 523. NOTIFY THE GEOTECHNICAL BUREAU OF THE GEORGIA DOT OFFICE OF MATERIALS AND TESTING AT GEOTECHNICAL_SUBMITTALS@DOT.GA.GOV TWO WEEKS PRIOR TO DRIVING PILES. SUBMIT ALL FILES REQUIRED BY SPECIAL PROVISION 523 TO THE EMAIL ABOVE FOR REVIEW AND APPROVAL.

WAVE EQUATION - PERFORM WAVE EQUATION ANALYSIS (WEAP) IN ACCORDANCE WITH SUB-SECTION 520.3.05.D.2 OF THE GEORGIA DOT SPECIFICATIONS. PROVIDE RESULTS OF THE WEAP TO THE GEOTECHNICAL BUREAU OF THE GEORGIA DOT OFFICE OF MATERIALS AND TESTING AT GEOTECHNICAL_SUBMITTALS@DOT.GA.GOV FOR REVIEW AND APPROVAL TWO WEEKS PRIOR TO DRIVING PILES.

VIBRATION MONITORING - THE PROJECT ENGINEER SHOULD CONTACT THE GEOTECHNICAL BUREAU OF THE GEORGIA DOT OFFICE OF MATERIALS AND TESTING AT GEOTECHNICAL_SUBMITTALS@DOT.GA.GOV TWO WEEKS PRIOR TO DRIVING PILES. SEE SPECIAL PROVISION 154 - CONSTRUCTION VIBRATION MONITORING.

STEEL H-PILES - USE STEEL FOR H-PILES THAT MEETS THE REQUIREMENTS OF ASTM A709 GR 50.

PILE LENGTHS - ERRATIC PILE LENGTHS CAN BE EXPECTED.

PILE POINTS - REINFORCE ALL PILE TIPS AT FOOTINGS 2 AND 3 FOR BENT 3 RT AND ALL PILE TIPS AT BENT 4 IN ACCORDANCE WITH SECTIONS 520 AND 855 OF THE GEORGIA DOT SPECIFICATIONS.

PILE DRIVING - SHOULD PILES FAIL TO OBTAIN DRIVING RESISTANCE AFTER ACHIEVING THE PILE TIP ELEVATIONS SHOWN, ALLOW PILES TO FREEZE A MINIMUM OF 24 HOURS AND RESTRIKE WITH A WARM HAMMER.

BENT NUMBER	PILE TIP ELEVATION
1 LT	791.00
1 RT	788.00
2 LT	793.00
2 RT	781.00
3 LT	786.00
3 RT	782.00
4 LT	788.00
4 RT	783.00

SMOOTH DOWEL BARS - PLACE SMOOTH DOWEL BARS IN FORMED 3" DIAMETER X 12" DEEP HOLES AND GROUT IN PLACE SIMILAR TO ANCHOR BOLTS, SEE SUB-SECTION 501.3.05.B.3 OF THE GEORGIA DOT SPECIFICATIONS. STIRRUPS MAY BE SHIFTED SLIGHTLY TO CLEAR FORMED HOLES.

ABUTMENT SOIL REINFORCING DEVICE INSERTS - INCLUDE THE COST OF FURNISHING AND INSTALLING INSERTS FOR SOIL REINFORCING DEVICES AT ABUTMENT IN THE OVERALL BID SUBMITTED.

FILL SETTLEMENT - PROTECT PILES DRIVEN AT BENTS 1 AND 4 FROM NEGATIVE SKIN FRICTION WHEN USED IN CONJUNCTION WITH MECHANICALLY STABILIZED EARTH WALLS, SEE SECTION 551 OF THE GEORGIA DOT SPECIFICATIONS. DRIVE PILES AT END BENTS BEFORE WALL LEVELING PADS ARE CONSTRUCTED.

STEEL DIAPHRAGMS - SUBSTITUTION FOR STEEL DIAPHRAGMS IS NOT ALLOWED FOR THIS BRIDGE.

STANDARD PLAN MODIFICATION - MODIFY THE APPROACH SLAB STANDARD TO INCREASE THE 3/4" EXPANSION JOINT SHOWN BETWEEN THE APPROACH SLAB AND THE BACK FACE PAVING REST AND END POST TO 1 7/8" AT BENT 1. KEEP THE EXPANSION JOINT AT END BENT CONTINUOUS AROUND END POST. INCLUDE COST OF JOINT IN APPROACH SLAB PAYMENT. SEE ROADWAY PLANS FOR APPROACH SLAB PAYMENT.

LIGHTWEIGHT CONCRETE - FOR SIDEWALKS AND PARAPETS, USE LIGHTWEIGHT CONCRETE IN ACCORDANCE WITH SPECIAL PROVISION 500. INCLUDE ALL COSTS ASSOCIATED WITH PROVIDING LIGHTWEIGHT CONCRETE IN THE PRICE BID FOR "LUMP - SUPERSTR CONCRETE."

GROOVED CONCRETE - GROOVE THE ENTIRE LENGTH OF THE BRIDGE TRANSVERSELY AS PER SUB-SECTION 500.3.05.T.9.C OF THE GEORGIA DOT SPECIFICATIONS. PROVIDE GROOVING BEFORE PLACING TRAFFIC ON DECK.

HIGH PERFORMANCE CONCRETE (HPC) - PRESTRESSED CONCRETE BEAMS FOR SPAN 2 OF THIS BRIDGE UTILIZE HIGH PERFORMANCE CONCRETE. SPECIAL REQUIREMENTS ARE REQUIRED AS DETAILED IN SPECIAL PROVISION SECTIONS 500 AND 865. HPC BEAMS WILL BE PAID FOR AS "PSC BEAMS."

GENERAL NOTES (CON'T)

CHAIN LINK FENCE - CHAIN LINK FENCE SHALL BE PAID FOR AS "LF CH LK FENCE, ZC COAT, 6 FT, 9 GA."

WELDING - ALL WELDING ON GEORGIA DOT PROJECTS SHALL BE PERFORMED BY GDOT CERTIFIED WELDERS THAT HAVE IN THEIR POSSESSION A CURRENT WELDING CERTIFICATION CARD ISSUED BY THE OFFICE OF MATERIALS AND TESTING. USE ONLY E70XX (EXCLUDING E7014 AND E7024) LOW HYDROGEN ELECTRODES FOR MANUAL SHIELDED METAL ARC WELDING.

INCIDENTAL ITEMS - INCLUDE THE COST INCIDENTAL TO THE WORK THAT IS NOT SPECIFICALLY COVERED BY THE GEORGIA STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND/OR SPECIAL PROVISIONS IN THE OVERALL BID SUBMITTED. THIS INCLUDES THE COST OF WATERPROOFING, JOINT FILLERS AND OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK.

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
154-1000	LUMP	LS	CONSTRUCTION VIBRATION MONITORING
211-0200	225	CY	BRIDGE EXCAVATION, GRADE SEPARATION
500-0100	2163	SY	GROOVED CONCRETE
500-1011	LUMP	LS	SUPERSTR CONCRETE, CL D, BR NO - 1 (1051)
500-3002	429	CY	CLASS AA CONCRETE
507-9003	1383	LF	PSC BEAMS, AASHTO TYPE III, BR NO - 1
507-9033	2038	LF	PSC BEAMS, AASHTO, BULB TEE, 74 IN, BR NO - 1
511-1000	83914	LB	BAR REINF STEEL
511-3000	LUMP	LS	SUPERSTR REINF STEEL, BR NO - 1 (210252)
520-0589	40	EA	H-PILE POINTS, HP 14 X 89
520-1151	3024	LF	PILING IN PLACE, STEEL H, HP 14 X 89
520-4151	1	EA	LOAD TEST, STEEL H, HP 14 X 89 (IF REQD)
523-1100	2	EA	DYNAMIC PILE TEST
544-1000	LUMP	LS	DECK DRAIN SYSTEM, BR NO - 1
643-1152	628	LF	CH LK FENCE, ZC COAT, 6 FT, 9 GA

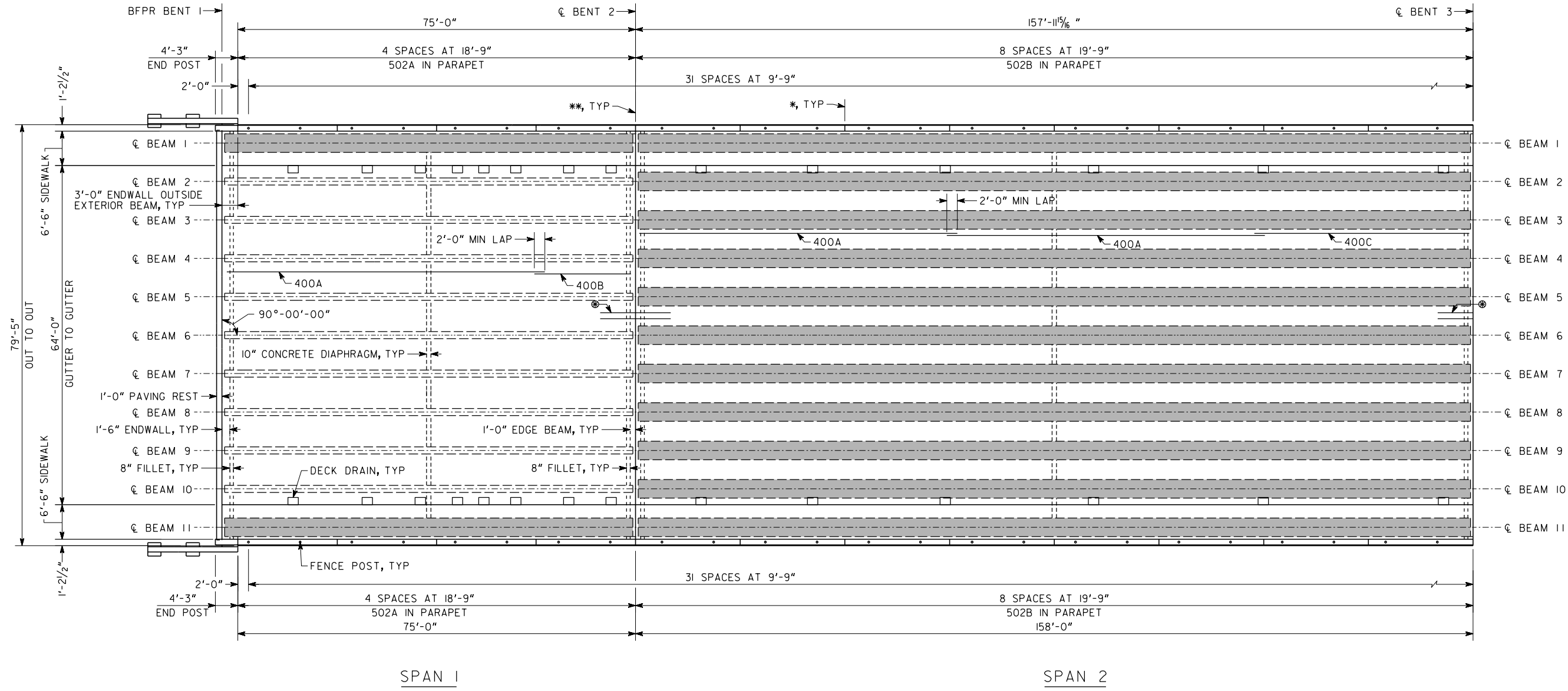
BRIDGE NO. 1



GEORGIA
 DEPARTMENT OF TRANSPORTATION
 ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

GENERAL NOTES
 COURTESY PARKWAY EXTENSION OVER IRIS DRIVE, I-20, AND DOGWOOD DRIVE
 ROCKDALE COUNTY CSSTP-0006-00(934)

DRAWING NO. 35-0002	BRIDGE SHEET 2 OF 18	DESIGNED BLB	CHECKED KFD	REVIEWED DLC/SKG
		DRAWN JKK	DESIGN GROUP JRT	APPROVED DPD



NOTES:

- I. CONTRACTOR SHALL ALTERNATE LAP LOCATIONS SUCH THAT NO MORE THAN 50% OF THE LAPS OCCUR AT THE SAME LOCATION.
- * C 1" EXPANSION JT IN PARAPET, TYP.
- ** C REQ'D CONST JT IN SLAB AND C 1" EXPANSION JOINT IN PARAPET, TYP.
- ⊗ PLACE 2-600 BARS BETWEEN EACH PAIR OF 400 BARS IN TOP OF SLAB OVER INTERMEDIATE BENTS 2 AND 3.

SUPERSTRUCTURE QUANTITIES		
ITEM	SPAN 1	SPAN 2
LUMP - CY SUPERSTR CONCRETE, CLASS D	256.7	539.5
LUMP - LB SUPERSTR REINF STEEL	54636	103483

END POST CONCRETE AND BAR REINFORCING STEEL INCLUDED IN END SPAN QUANTITIES. 600 BARS INCLUDED IN SPANS 1 AND 2 QUANTITIES.

1 INCH WHEN PRINTED FULL SIZE

BRIDGE NO. 1



GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

DECK PLAN - SPANS 1 AND 2
COURTESY PARKWAY EXTENSION OVER
IRIS DRIVE, I-20, AND DOGWOOD DRIVE
ROCKDALE COUNTY CSSTP-0006-00(934)

SCALE: 3/32" = 1'-0" DECEMBER 2022

DRAWING NO.
35-0003

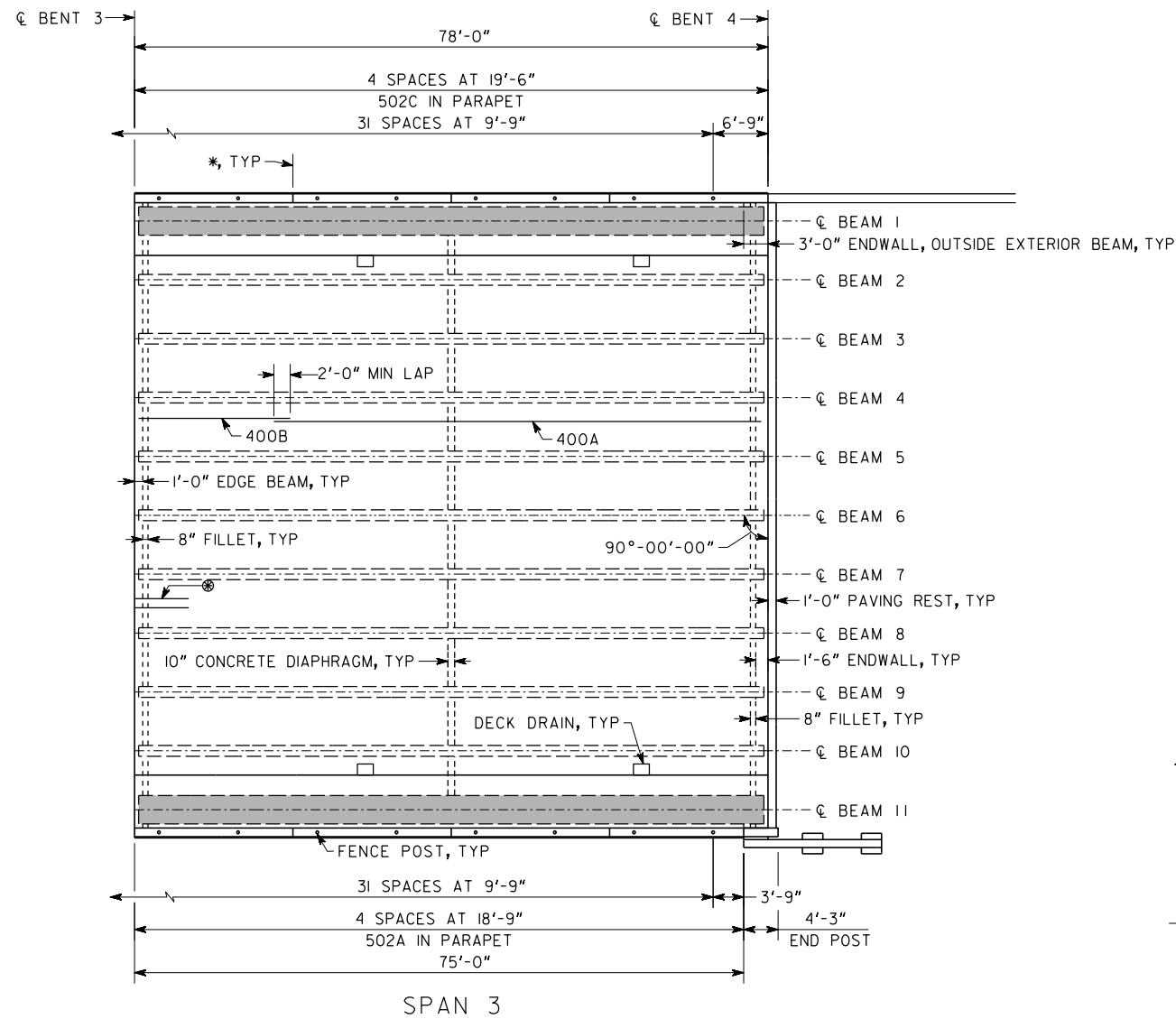
BRIDGE SHEET
3 OF 18

DATE	REVISIONS	BY

DESIGNED BLB
DRAWN JJK

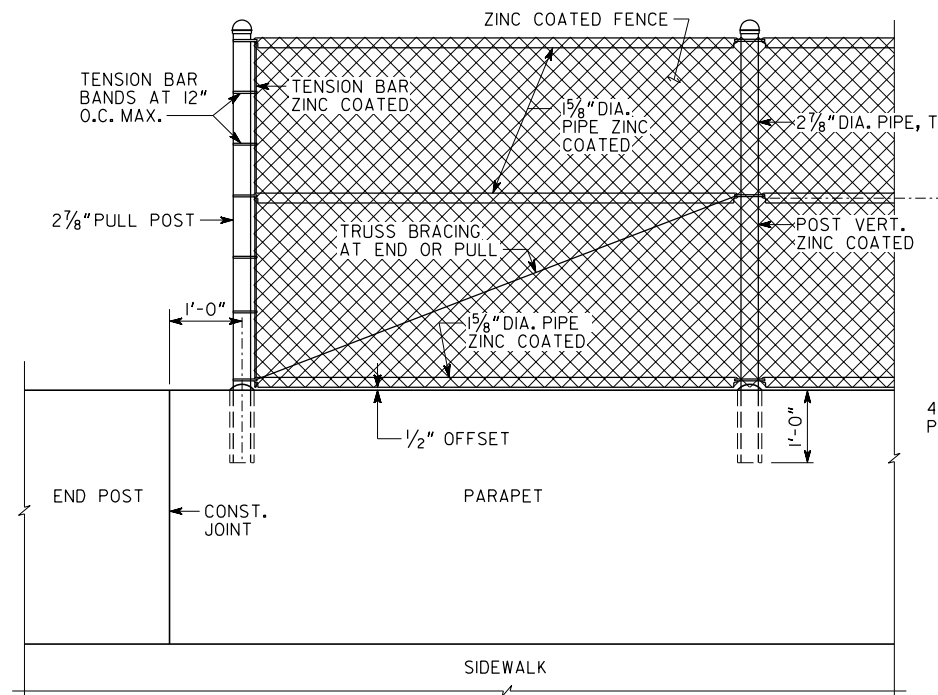
CHECKED KFD
DESIGN GROUP JRT

REVIEWED DLC/SKG
APPROVED DPD



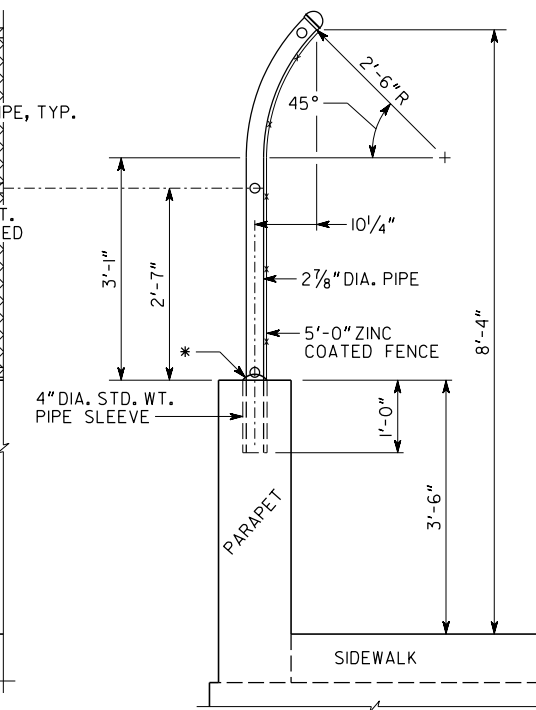
FENCE NOTES:

- FENCE SHALL BE 9 GAGE CHAIN LINK ZINC COATED TWO INCH SECURITY FENCE.
- CAST 4" DIA. GALVANIZED SLEEVE IN THE PARAPET. ALLOW NON-SHRINK, NON-METALLIC GROUT FOR THREE DAYS BEFORE FENCE FABRIC IS INSTALLED.
- APPLY GALVANIZING REPAIR COMPOUND, IN ACCORDANCE WITH GEORGIA DOT SPECIFICATION 645, TO ENDS OF 4" DIA. GALVANIZED SLEEVES.
- PROVIDE EXPANSION SLEEVE FOR ALL RAILS TO MATCH SUPERSTRUCTURE JOINTS.
- FASTEN FABRIC TO POSTS AT INTERVALS NOT GREATER THAN 14".
- SPACE POSTS AT A MINIMUM OF 7'-0" AND A MAXIMUM OF 10'-0". PLACE POSTS 1'-0" MINIMUM FROM JOINTS IN PARAPET. SEE DECK PLAN FOR POST SPACING.
- FOR FURTHER DETAILS, SEE GEORGIA DOT SPECIFICATIONS SECTIONS 643 AND 894.



FENCE ELEVATION

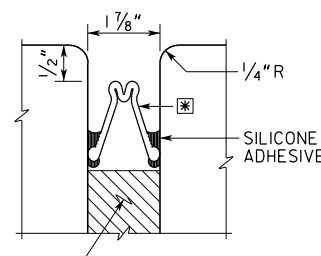
SCALE: 3/4" = 1'-0"



FENCE POST DETAIL

SCALE: 3/4" = 1'-0"

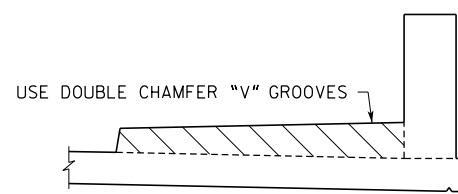
* NON-SHRINK, NON-METALLIC PORTLAND CEMENT GROUT IN ACCORDANCE WITH ASTM C1107, TROWEL TO PROVIDE POSITIVE DRAINAGE.



EXPANSION JOINT DETAILS

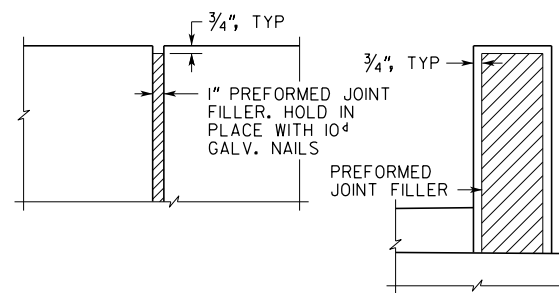
END BENT 1
 NO SCALE

* PREFORMED SILICONE JOINT SEAL AS PER SPECIAL PROVISION SECTION 449



CONST. JOINT DETAIL AT
 SIDEWALK AND PARAPET

NO SCALE



DETAIL OF 1" EXPANSION JOINT IN PARAPET

SCALE: 3/4" = 1'-0"

SUPERSTRUCTURE QUANTITIES

ITEM	SPAN 3
LUMP - CY SUPERSTR CONCRETE, CLASS D	253.9
LUMP - LB SUPERSTR REINF STEEL	52133

END POST CONCRETE AND BAR REINFORCING STEEL INCLUDED IN END SPAN QUANTITIES. 600 BARS INCLUDED IN SPANS 1 AND 2 QUANTITIES.

1 INCH WHEN PRINTED FULL SIZE

NOTES:

- CONTRACTOR SHALL ALTERNATE LAP LOCATIONS SUCH THAT NO MORE THAN 50% OF THE LAPS OCCUR AT THE SAME LOCATION.
- * 1" EXPANSION JT IN PARAPET, TYP.
- ** REQ'D CONST JT IN SLAB AND 1" EXPANSION JOINT IN PARAPET, TYP.
- ⊗ PLACE 2-600 BARS BETWEEN EACH PAIR OF 400 BARS IN TOP OF SLAB OVER INTERMEDIATE BENTS 2 AND 3.

BRIDGE NO. 1



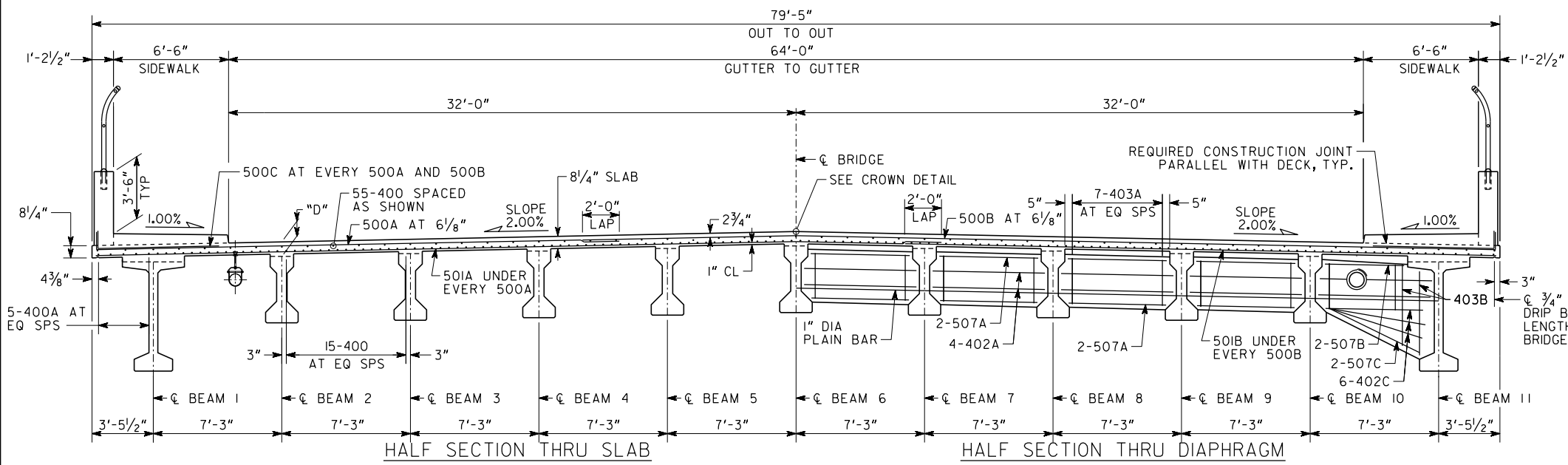
2450 Commerce Avenue Suite 100
 Duluth, Georgia 30096-8910
 Tel.: (770) 263-5945
 atlas.com

GEORGIA
 DEPARTMENT OF TRANSPORTATION
 ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

DECK PLAN - SPAN 3
 COURTESY PARKWAY EXTENSION OVER
 IRIS DRIVE, I-20, AND DOGWOOD DRIVE
 ROCKDALE COUNTY CSSTP-0006-00(934)

SCALE: 3/32" = 1'-0" (UNLESS OTHERWISE NOTED) DECEMBER 2022

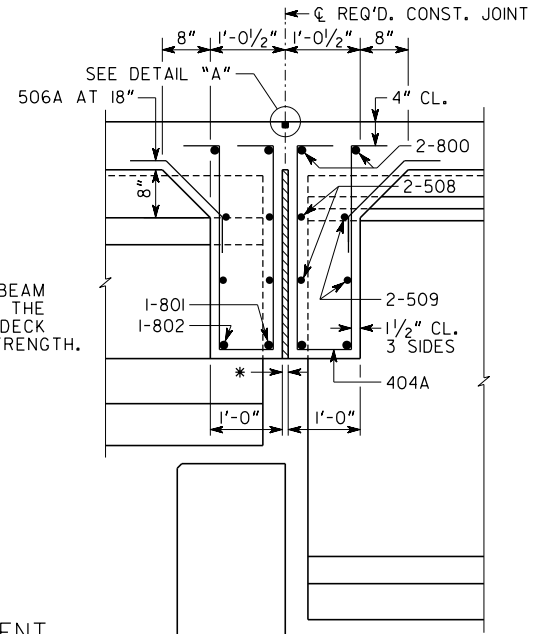
DRAWING NO. 35-0004	DESIGNED BLB	CHECKED KFD	REVIEWED DLC/SKG
BRIDGE SHEET 4 OF 18	DRAWN JKK	DESIGN GROUP JRT	APPROVED DPD



DIMENSION "D" IS MEASURED FROM TOP OF SLAB TO TOP OF BEAMS AT CENTERLINE BEARING. VARY "D" BETWEEN BEARINGS TO COMPENSATE FOR DEAD LOAD DEFLECTION AND VERTICAL CURVE. MAINTAIN A CONSTANT SLAB THICKNESS OF 8 1/4"

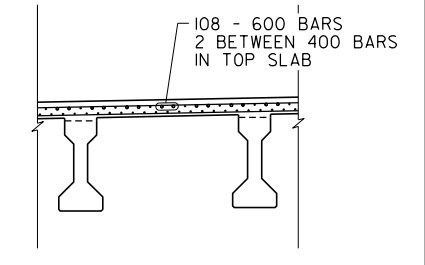
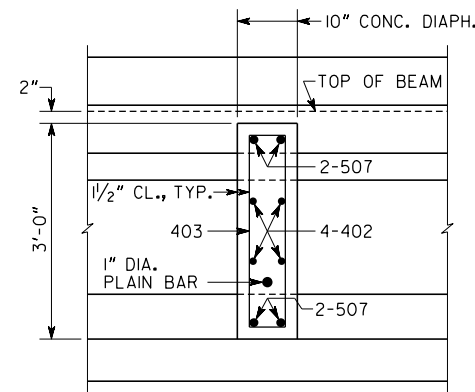
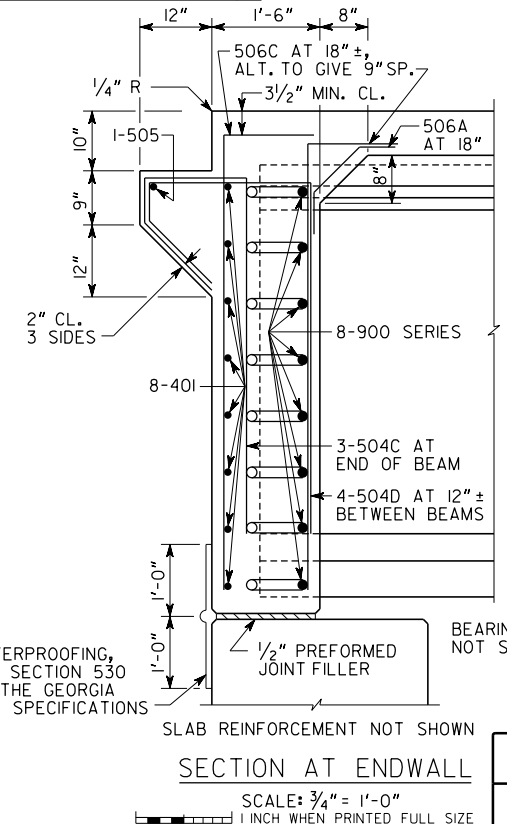
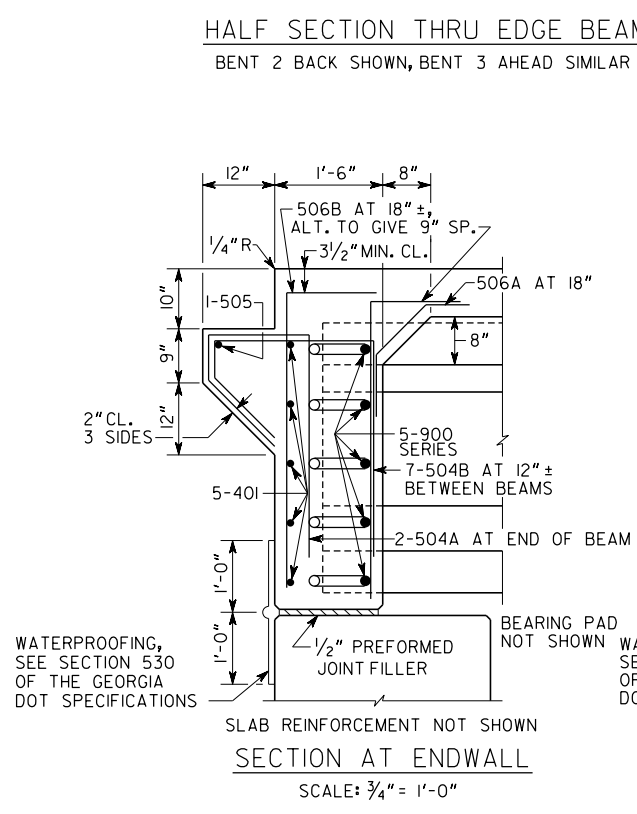
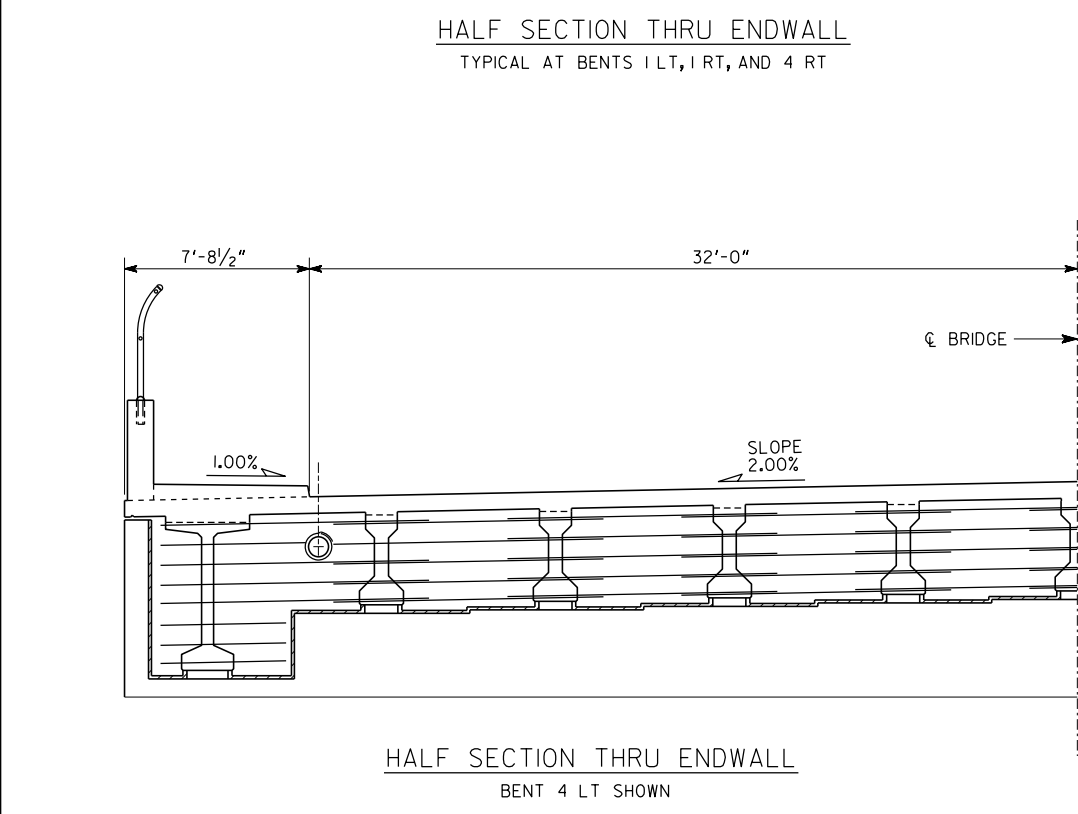
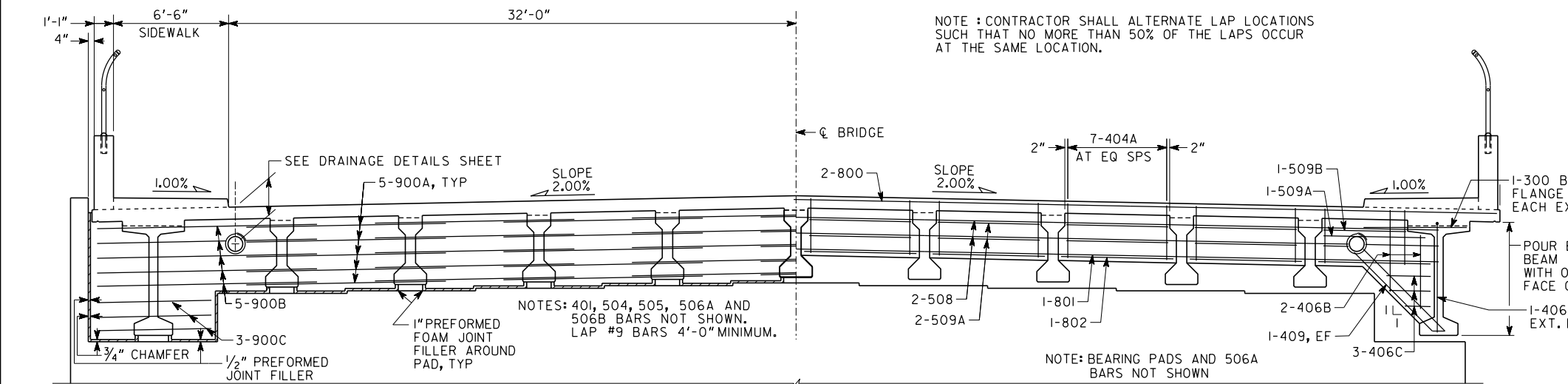
SPAN 1
"D" = 9 1/4" FOR INTERIOR BEAMS
"D" = 10 1/4" FOR EXTERIOR BEAMS

SPAN 3
"D" = 9 1/4" FOR INTERIOR BEAMS
"D" = 10 5/8" FOR EXTERIOR BEAMS



DETAIL OF EXTRA REINFORCEMENT AROUND UTILITY OPENING

NO SCALE
NOTE: SHIFT OR CUT BARS AS NECESSARY TO CLEAR UTILITY OPENINGS



BRIDGE NO. 1

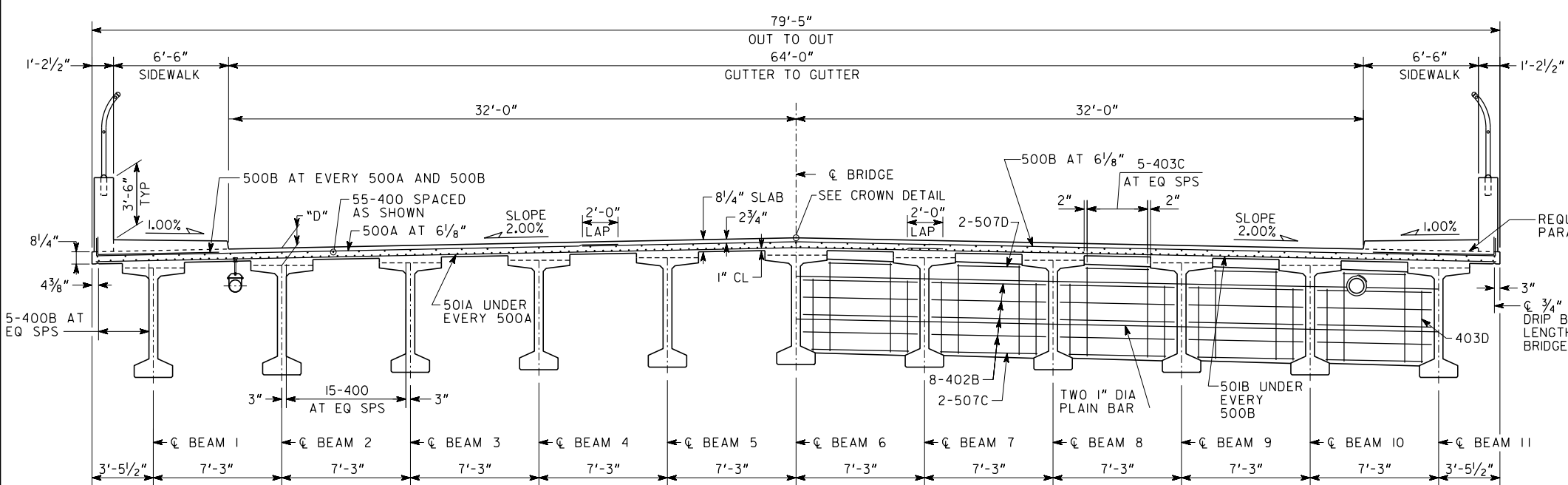
ATLAS
2450 Commerce Avenue Suite 100
Duluth, Georgia 30096-8910
Tel.: (770) 263-5945
onatlasc.com

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

DECK SECTIONS - SPANS 1 AND 3
COURTESY PARKWAY EXTENSION OVER IRIS DRIVE, I-20, AND DOGWOOD DRIVE
ROCKDALE COUNTY CSSTP-0006-00(934)

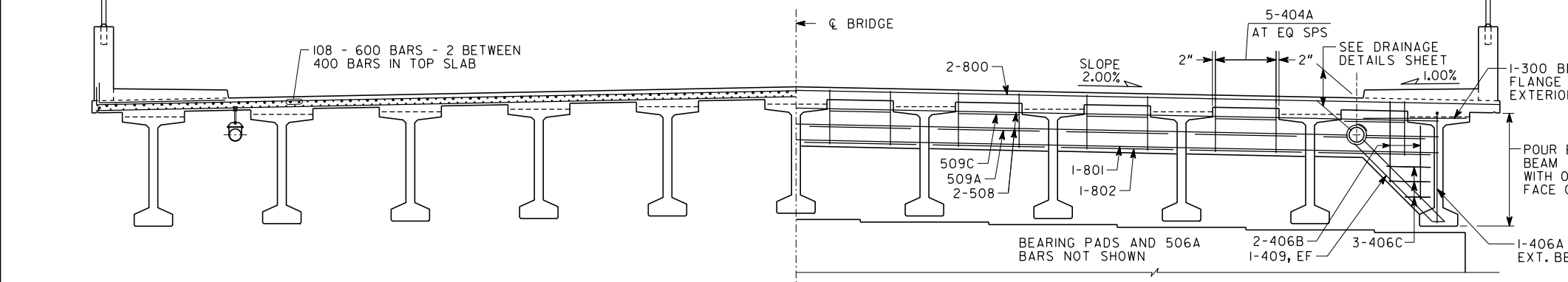
SCALE: 1/4" = 1'-0" (UNO) DECEMBER 2022

DATE					
REVISIONS					
BY					
DESIGNED	BLB	CHECKED	KFD	REVIEWED	DLC/SKG
DRAWN	JJK	DESIGN GROUP	JRT	APPROVED	DPD
DRAWING NO.	35-0005				
BRIDGE SHEET	5 OF 18				



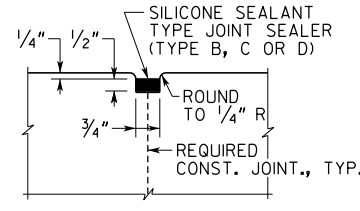
HALF SECTION THRU SLAB

HALF SECTION THRU DIAPHRAGM

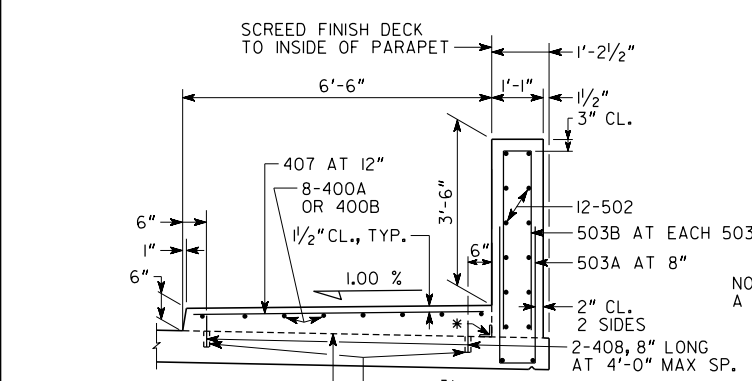


HALF-SECTION THRU EDGE BEAM

HALF SECTION THRU SLAB



DETAIL "A"

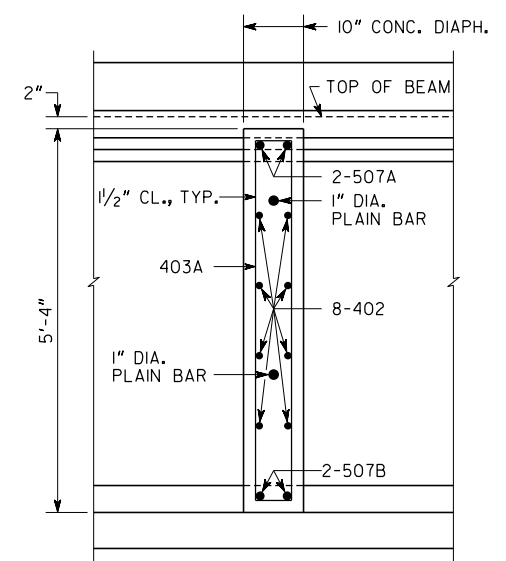


SIDEWALK AND PARAPET DETAILS

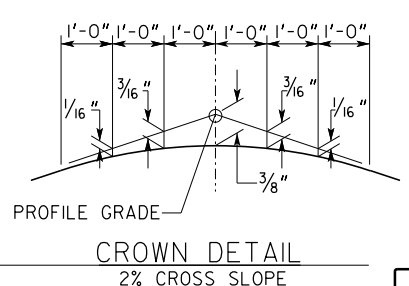
NOTE: LAP 503A AND 503B BARS A MINIMUM OF 2'-2".

SIDEWALK NOTES : PLACE TRANSVERSE SIDEWALK MARKINGS ON SIDEWALK SPACED AT 5'-0"±.

INCLUDE COST OF BOND BREAKER AND EPOXY ADHESIVE IN PRICE BID FOR SUPERSTRUCTURE ITEMS.



SECTION THRU DIAPHRAGM



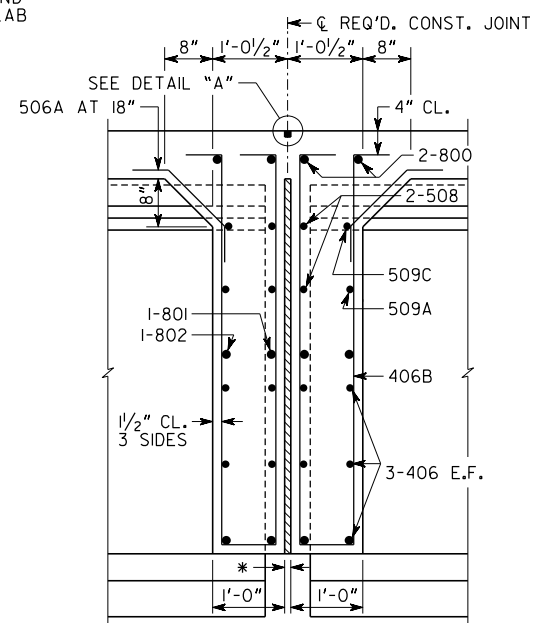
CROWN DETAIL

DIMENSION "D" IS MEASURED FROM TOP OF SLAB TO TOP OF BEAMS AT CENTERLINE BEARING. VARY "D" BETWEEN BEARINGS TO COMPENSATE FOR DEAD LOAD DEFLECTION AND VERTICAL CURVE. MAINTAIN A CONSTANT SLAB THICKNESS OF 8 1/4"

"D" = 10 1/4" FOR ALL BEAMS

NOTE : COPING THICKNESSES GREATER THAN 6" ARE EXPECTED FOR SPAN 2 BEAMS.

REQUIRED CONSTRUCTION JOINT PARALLEL WITH DECK, TYP.



SECTION THRU EXTERIOR EDGE BEAM

NOTE : DO NOT REMOVE EDGE BEAM FORMS UNTIL 72 HOURS AFTER THE DECK POUR IS COMPLETED OR DECK REACHES 28-DAY CONCRETE STRENGTH.



REBAR DETAIL IN COPING

SCALE: 3/4" = 1'-0"

BRIDGE NO. 1

ATLAS

2450 Commerce Avenue Suite 100
Duluth, Georgia 30096-8910
Tel: (770) 263-5945
onatlas.com

GEORGIA DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

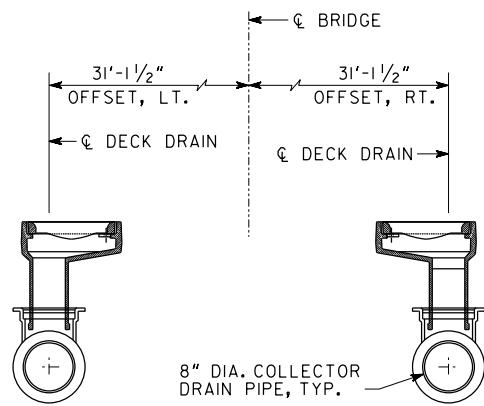
DECK SECTIONS - SPAN 2
COURTESY PARKWAY EXTENSION OVER IRIS DRIVE, I-20, AND DOGWOOD DRIVE
ROCKDALE COUNTY CSSTP-0006-00(934)

SCALE: 1/4" = 1'-0" (UNO) DECEMBER 2022

DATE	REVISIONS	BY

DRAWING NO. 35-0006
BRIDGE SHEET 6 OF 18

DESIGNED: BLB
DRAWN: JJK
CHECKED: KFD
DESIGN GROUP: JRT
REVIEWED: DLC/SKG
APPROVED: DPD



DECK DRAIN OFFSET

SCUPPER STATIONS			
SPAN	EA SIDE	DIMENSION "A"	FLOW DIRECTION
1	137+78.15	2'-10"	BEGIN BRIDGE
	137+90.15	2'-9"	BEGIN BRIDGE
	138+00.15	2'-8"	BEGIN BRIDGE
	138+07.15	2'-7"	BEGIN BRIDGE
	138+15.15	2'-6"	END BRIDGE
	138+22.15	2'-5"	END BRIDGE
	138+32.15	2'-4"	END BRIDGE
2	138+37.15	2'-3"	END BRIDGE
	138+52.15	2'-4"	END BRIDGE
	138+69.15	2'-4"	END BRIDGE
	138+89.15	2'-8"	END BRIDGE
	139+11.15	2'-4"	END BRIDGE
	139+36.15	2'-2"	END BRIDGE
	139+63.15	2'-1"	END BRIDGE
3	139+93.15	2'-1"	END BRIDGE
	140+25.15	2'-1"	END BRIDGE
	140+58.15	2'-1"	END BRIDGE

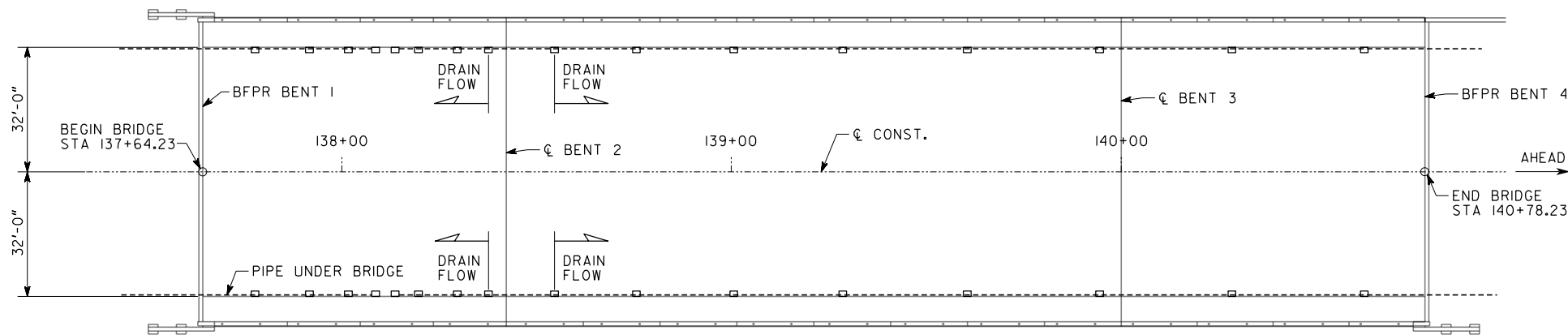
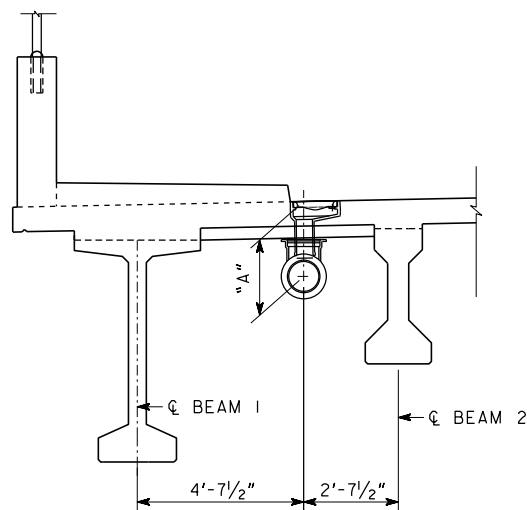


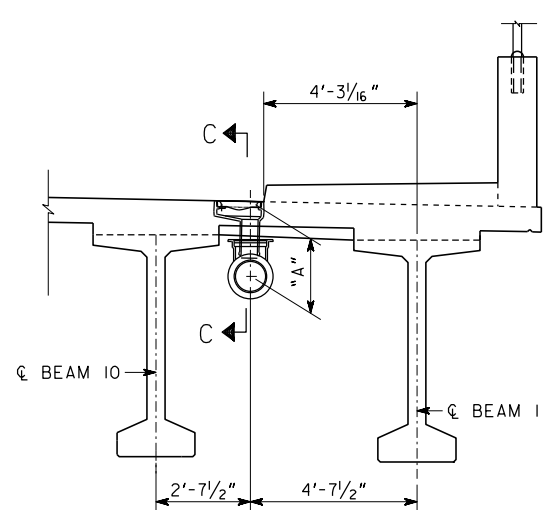
DIAGRAM OF SCUPPER LOCATIONS

UTILITY OPENINGS	
CUTOUT LOCATION	DIMENSION "A"
BENT 1 ENDWALL	3'-0"
SPAN 1 DIAPHRAGM	2'-7"
SPAN 2 DIAPHRAGM	2'-3"
BENT 3 EDGE BEAM	2'-1"
SPAN 3 DIAPHRAGM	2'-1"
BENT 4 ENDWALL	2'-1"



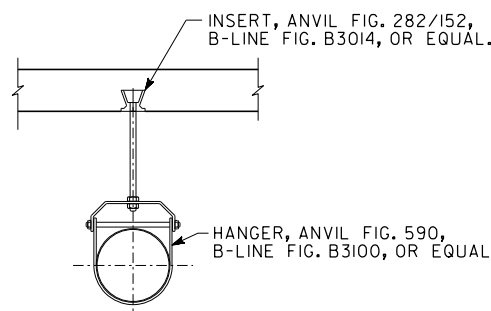
SECTION AT DECK DRAIN

LEFT SHOWN
(RIGHT SIMILAR)
SPANS 1 AND 3



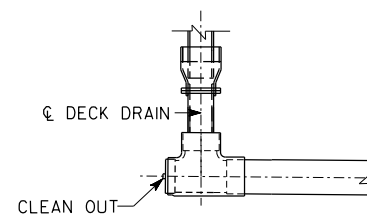
SECTION AT DECK DRAIN

RIGHT SHOWN
(LEFT SIMILAR)
SPAN 2

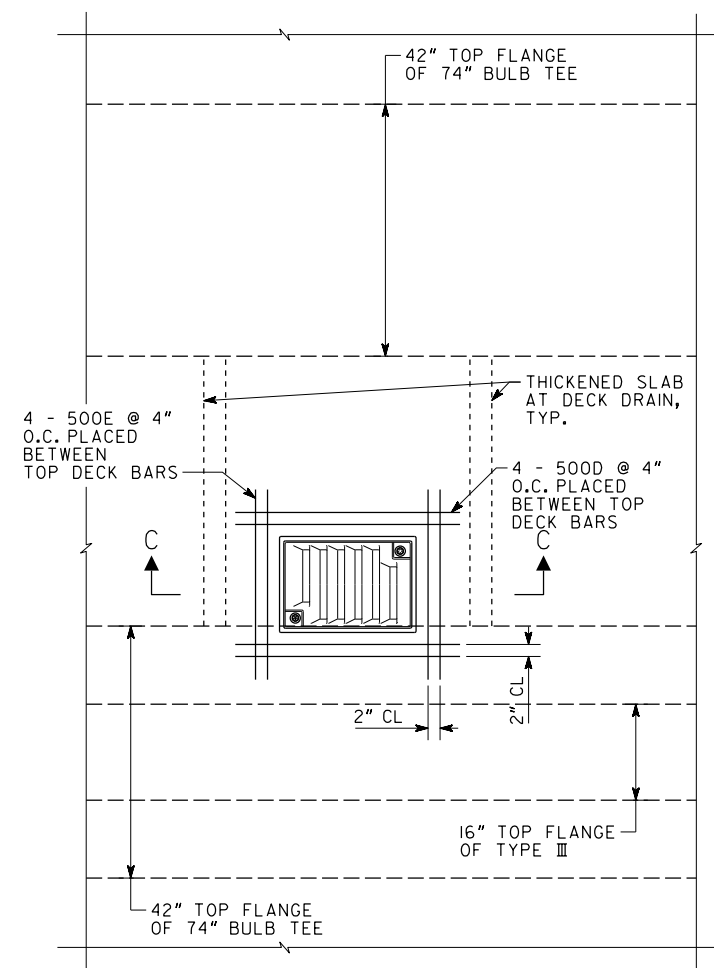


DECK DRAIN SUPPORT DETAIL

8'-0" MAX. HANGER SPACING



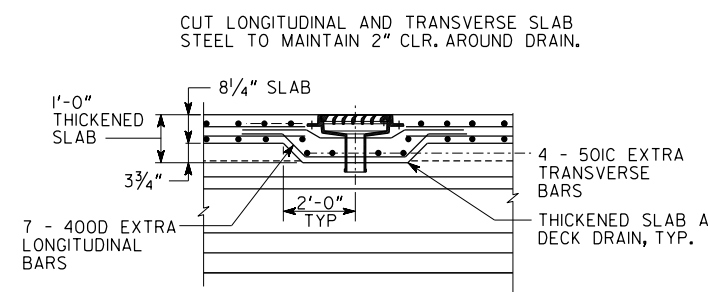
CLEANOUT DETAIL



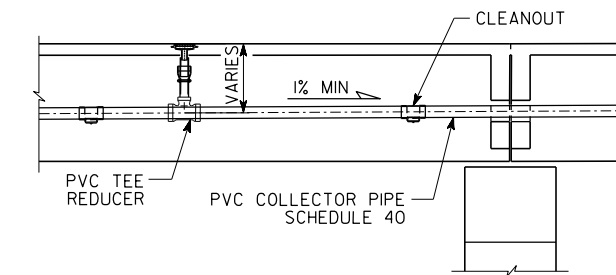
PLAN

EXTRA SLAB REINFORCEMENT FOR DECK DRAIN

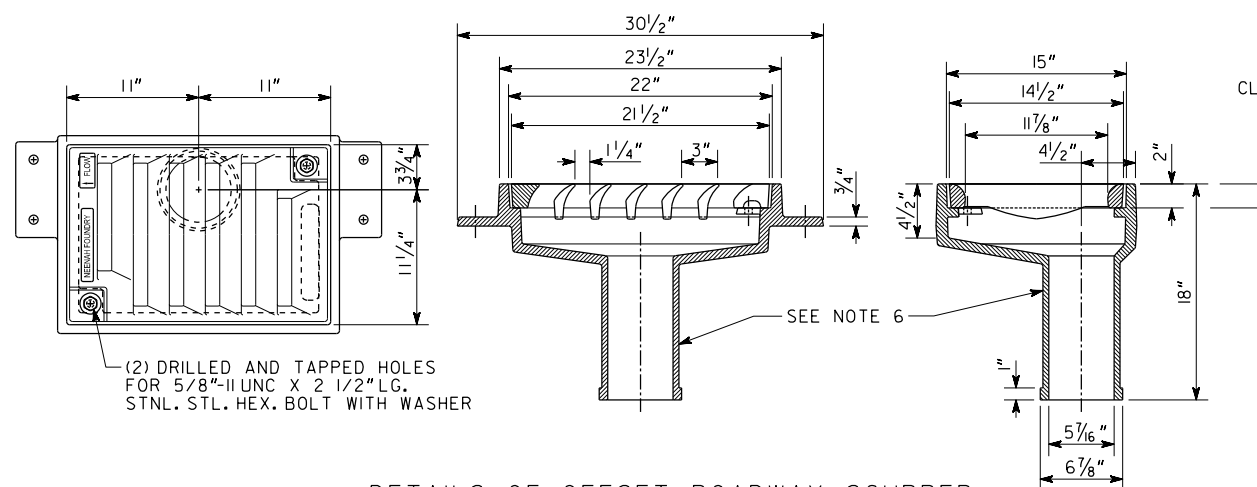
NOT TO SCALE



SECTION C-C



DRAIN PIPE ELEVATION



DETAILS OF OFFSET ROADWAY SCUPPER

WITH BOLTED GRATE

(NEENAH R-3920-V, OR EQUAL)
NOT TO SCALE

NOTES:

1. INCLUDE COST OF ADDITIONAL REINFORCING AT DECK DRAINS AND ALL MATERIALS AND WORK TO INSTALL DECK DRAIN SYSTEM IN PRICE BID FOR "LUMP - DECK DRAIN SYSTEM".
2. FURNISH SHOP DRAWINGS ON COMPLETE DECK DRAIN SYSTEM FOR APPROVAL BY THE ENGINEER.
3. ALL DECK DRAIN PIPES SHALL BE PVC, SCHEDULE 40.
4. ALL HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A123 AND ASTM A153.
5. EXPANSION JOINT DEVICE SHALL BE PROVIDED FOR COLLECTOR PIPES.
6. CONTRACTOR MAY CUT ROADWAY SCUPPER DOWNSPOUTS ON DECK DRAIN SYSTEM TO ACHIEVE NECESSARY DEPTH FROM TOP OF DECK.

BRIDGE NO. 1

ATLAS
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GEORGIA
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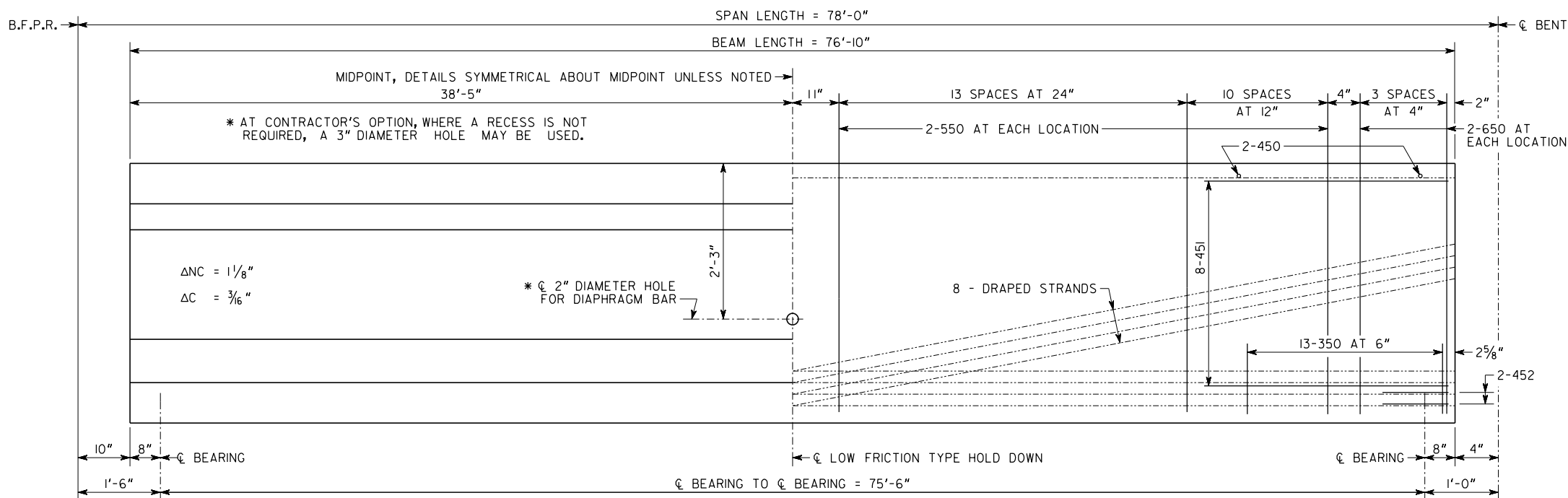
DRAINAGE DETAILS
COURTESY PARKWAY EXTENSION OVER
IRIS DRIVE, I-20, AND DOGWOOD DRIVE
ROCKDALE COUNTY CSSTP-0006-00(934)

NO SCALE
DECEMBER 2022

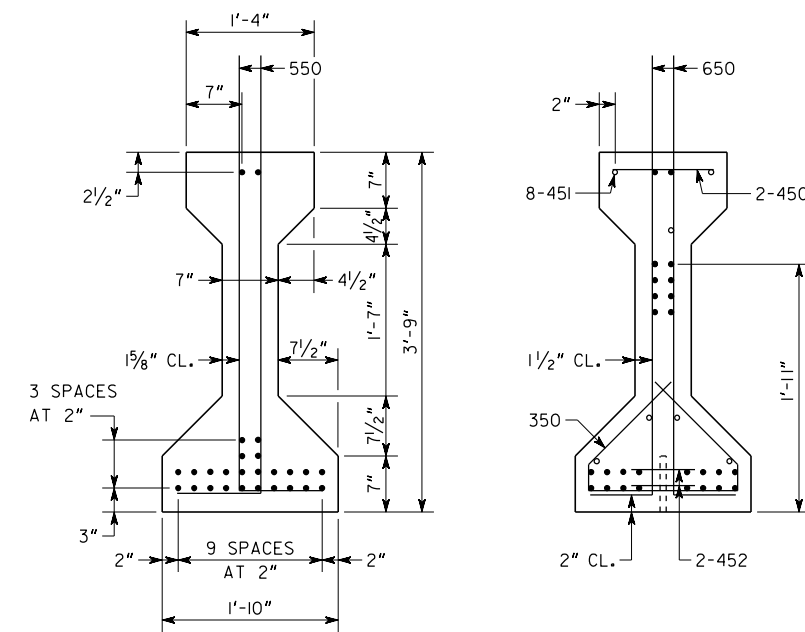
DESIGNED	BLB	CHECKED	KFD	REVIEWED	DLC/SKG
DRAWN	JJK	DESIGN GROUP	JRT	APPROVED	DPD

DRAWING NO.	35-0007
BRIDGE SHEET	7 OF 18

DATE	
REVISIONS	
BY	



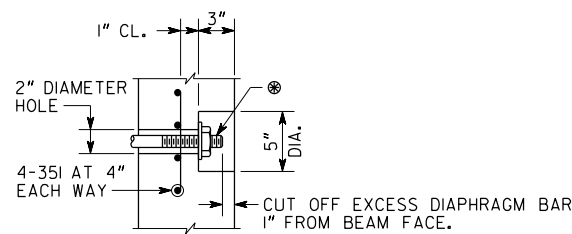
ELEVATION



MAINTAIN 1" MINIMUM CLEARANCE UNLESS OTHERWISE SHOWN.
• INDICATES 0.6" DIAMETER PRESTRESSED STRANDS.

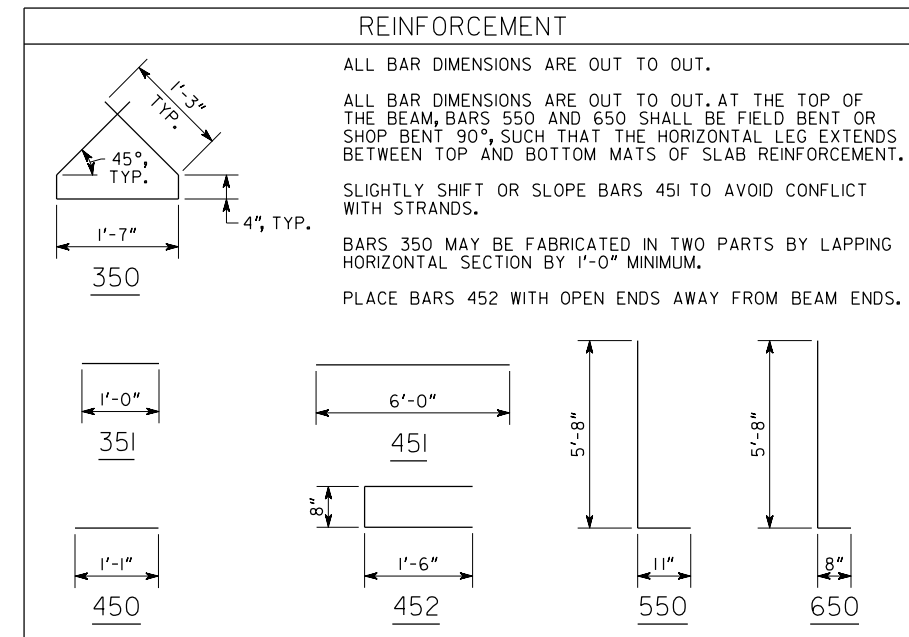
NOTES

- BEAMS SHALL BE MAINTAINED IN AN UPRIGHT POSITION AT ALL TIMES AND SHALL BE PICKED UP WITHIN 5'-6" FROM THEIR ENDS. DISREGARDING THIS REQUIREMENT COULD LEAD TO COLLAPSE OF THE BEAM. PICK-UPS SHALL BE EMBEDDED TO WITHIN 4" OF THE BOTTOM OF THE BEAM. DETAILS OF PICK-UPS SHALL BE INCLUDED IN THE SHOP DRAWINGS.
- CHAMFER EDGES OF BEAMS 1/2" OR 3/4".
- HORIZONTAL DIMENSIONS ARE IN PLACE DIMENSIONS. THE BEAM LENGTH INCLUDES THE 1/8" EPOXY MORTAR AT EACH END. SHOP DRAWINGS SHALL ADJUST HORIZONTAL DIMENSIONS FOR GRADE AND FABRICATION EFFECTS SUCH AS SHRINKAGE AND ELASTIC SHORTENING.
- AT CL BEARING, FORM A 1 3/4" DIAMETER X 7" DEEP HOLE AT THE FIXED ENDS AND A 4" X 1 3/4" X 7" DEEP SLOT AT THE EXPANSION ENDS FOR A 1 1/2" DIAMETER SMOOTH DOWEL. SEE PLAN AND ELEVATION SHEET FOR LOCATION OF FIXED AND EXPANSION ENDS.
- TOPS OF BEAMS SHALL BE ROUGH FLOATED AT APPROXIMATELY THE TIME OF INITIAL SET. ENTIRE TOP SHALL BE SCRUBBED TRANSVERSELY WITH A COARSE BRUSH TO REMOVE ALL LAITANCE AND TO PRODUCE A ROUGHENED SURFACE FOR BONDING TO THE SLAB. ROUGHENED SURFACE SHALL HAVE AN AMPLITUDE OF APPROXIMATELY 1/4". CONCRETE FINS OR PROJECTIONS SHALL BE REMOVED TO PRODUCE A VERTICAL FACE AT THE EDGE OF THE BEAM.
- ALL HOLES FORMED INTO THE BEAMS TO FACILITATE TRANSPORT SHALL BE FILLED AND GIVEN A TYPE I FINISH, PRIOR TO ACCEPTANCE OF THE BEAM. REMOVE PVC OR SIMILAR FORMING MATERIALS FROM EACH HOLE, EXPOSING THE CONCRETE SURFACE. COAT INTERIOR OF HOLE WITH A TYPE II EPOXY RESIN ADHESIVE IN ACCORDANCE WITH GEORGIA STANDARD SPECIFICATION 886 AND FILL WITH A RAPID SETTING PATCHING MATERIAL IN ACCORDANCE WITH GEORGIA STANDARD SPECIFICATION 934.
- NON-COMPOSITE DEAD LOAD DEFLECTION (ΔNC) AT THE MIDPOINT IS DUE TO THE WEIGHT OF THE SLAB AND COPING.
- COMPOSITE DEAD LOAD DEFLECTION (ΔC) AT THE MIDPOINT IS DUE TO THE WEIGHT OF BARRIER.
- STRANDS SHALL MEET ALL REQUIREMENTS OF ASTM A 416 GRADE 270.
- PRESTRESSING DATA IS AS FOLLOWS:
 - USE 26 - 0.6" DIAMETER LOW-RELAXATION (A = 0.217 SQ IN) STRANDS. PRETENSION STRANDS TO 43,943 LBS EACH.
 - PRETENSIONED STRANDS SHALL BE RELEASED AFTER THE CONCRETE HAS REACHED A MINIMUM STRENGTH (f_{ci}) OF 5,500 PSI.
 - INCLUDING THE TOP STRANDS, THE TOTAL JACKING FORCE OF PRETENSIONING IS 1,42,518 LBS.
 - INCLUDING THE TOP STRANDS, THE NET PRESTRESSING FORCE OF THE STRANDS AFTER ALL LOSSES IS 896,077 LBS.
- CONCRETE STRENGTH (f_c) = 6,000 PSI.
- ALLOWABLE PSC BEAM TENSION = 465 PSI.



DIAPHRAGM BAR SHALL BE A 1" DIAMETER PLAIN BAR, THREADED 5" ON EACH END, WITH 1/4" X 3/2" DIAMETER WASHERS AND HEX NUTS (ASTM A 709 GRADE 36). TIGHTEN DIAPHRAGM BAR AS PER SUB-SECTION 507.3.05.C OF THE GEORGIA DOT SPECIFICATIONS. AFTER EXCESS DIAPHRAGM BAR HAS BEEN CUT OFF, PAINT DIAPHRAGM BAR, WASHER, AND NUT EXPOSED IN RECESS WITH SPECIAL PROTECTIVE COATING NO. 2 P AS PER SECTION 535 OF THE GEORGIA DOT SPECIFICATIONS. AFTER PAINTING, FILL THE RECESS WITH AN APPROVED EPOXY GROUT. GALVANIZING OF THE DIAPHRAGM BAR AS PER SUB-SECTION 865.2.01.B.12 OF THE GEORGIA DOT SPECIFICATIONS IS NOT REQUIRED.

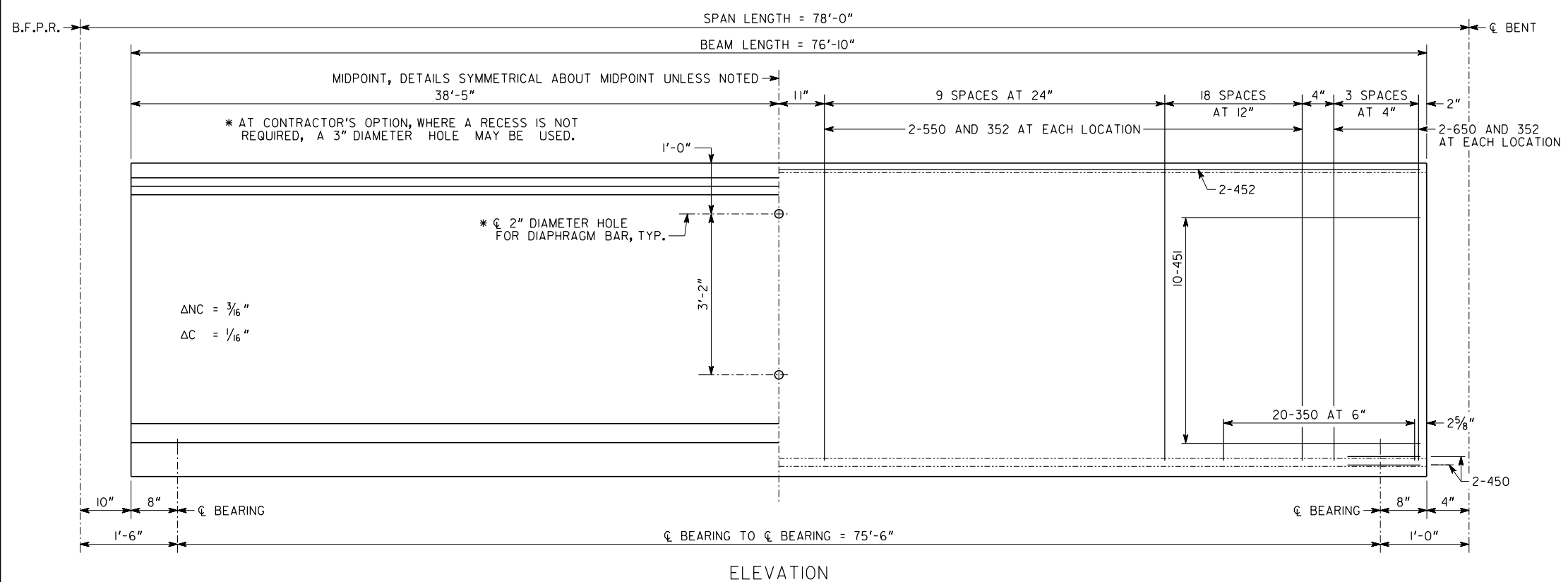
RECESS DETAIL FOR DIAPHRAGM BAR ENDS



BRIDGE NO. 1



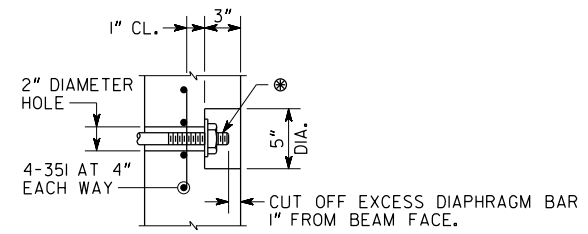
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						BLB		KFD		DLC/SKG	
						JJK		JRT		DPD	
DRAWING NO. 35-0008						NO SCALE					
BRIDGE SHEET 8 OF 18						DECEMBER 2022					
GEORGIA DEPARTMENT OF TRANSPORTATION ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES						TYPE III PSC BEAM - END SPANS COURTESY PARKWAY EXTENSION OVER IRIS DRIVE, I-20, AND DOGWOOD DRIVE ROCKDALE COUNTY CSSTP-0006-00(934)					



ELEVATION

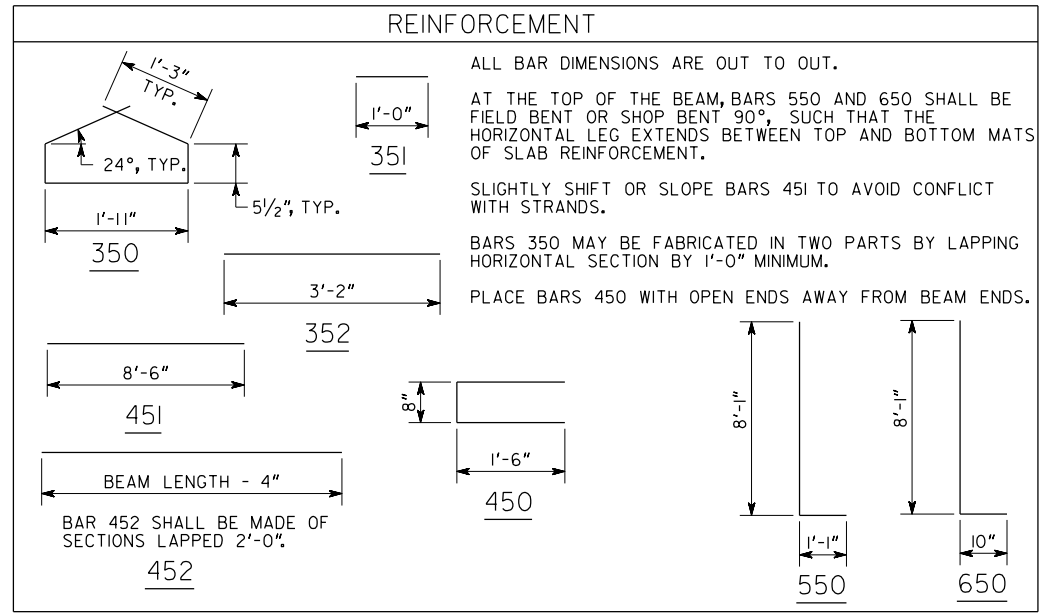
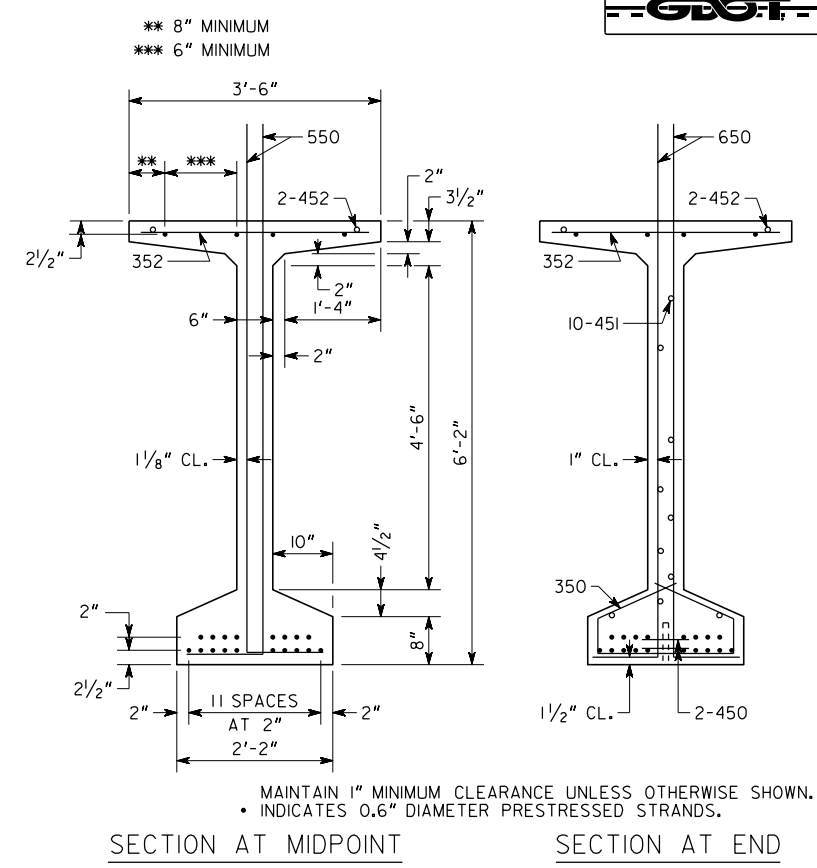
NOTES

- BEAMS SHALL BE MAINTAINED IN AN UPRIGHT POSITION AT ALL TIMES AND SHALL BE PICKED UP WITHIN 9'-0" FROM THEIR ENDS. DISREGARDING THIS REQUIREMENT COULD LEAD TO COLLAPSE OF THE BEAM. PICK-UPS SHALL BE EMBEDDED TO WITHIN 4" OF THE BOTTOM OF THE BEAM. DETAILS OF PICK-UPS SHALL BE INCLUDED IN THE SHOP DRAWINGS.
- CHAMFER EDGES OF BEAMS 1/2", 3/4" OR 1".
- HORIZONTAL DIMENSIONS ARE IN PLACE DIMENSIONS. THE BEAM LENGTH INCLUDES THE 1/8" EPOXY MORTAR AT EACH END. SHOP DRAWINGS SHALL ADJUST HORIZONTAL DIMENSIONS FOR GRADE AND FABRICATION EFFECTS SUCH AS SHRINKAGE AND ELASTIC SHORTENING.
- AT CL BEARING, FORM A 1 3/4" DIAMETER X 7" DEEP HOLE AT THE FIXED ENDS AND A 6" X 1 3/4" X 7" DEEP SLOT AT THE EXPANSION ENDS FOR A 1 1/2" DIAMETER SMOOTH DOWEL. SEE PLAN AND ELEVATION SHEET FOR LOCATION OF FIXED AND EXPANSION ENDS.
- TOPS OF BEAMS SHALL BE ROUGH FLOATED AT APPROXIMATELY THE TIME OF INITIAL SET. ENTIRE TOP SHALL BE SCRUBBED TRANSVERSELY WITH A COARSE BRUSH TO REMOVE ALL LAITANCE AND TO PRODUCE A ROUGHENED SURFACE FOR BONDING TO THE SLAB. ROUGHENED SURFACE SHALL HAVE AN AMPLITUDE OF APPROXIMATELY 1/4". CONCRETE FINS OR PROJECTIONS SHALL BE REMOVED TO PRODUCE A VERTICAL FACE AT THE EDGE OF THE BEAM.
- ALL HOLES FORMED INTO THE BEAMS TO FACILITATE TRANSPORT SHALL BE FILLED AND GIVEN A TYPE I FINISH, PRIOR TO ACCEPTANCE OF THE BEAM. REMOVE PVC OR SIMILAR FORMING MATERIALS FROM EACH HOLE, EXPOSING THE CONCRETE SURFACE. COAT INTERIOR OF HOLE WITH A TYPE II EPOXY RESIN ADHESIVE IN ACCORDANCE WITH GEORGIA STANDARD SPECIFICATION 886 AND FILL WITH A RAPID SETTING PATCHING MATERIAL IN ACCORDANCE WITH GEORGIA STANDARD SPECIFICATION 934.
- NON-COMPOSITE DEAD LOAD DEFLECTION (ΔNC) AT THE MIDPOINT IS DUE TO THE WEIGHT OF THE SLAB AND COPING.
- COMPOSITE DEAD LOAD DEFLECTION (ΔC) AT THE MIDPOINT IS DUE TO THE WEIGHT OF BARRIER.
- STRANDS SHALL MEET ALL REQUIREMENTS OF ASTM A 416 GRADE 270.
- PRESTRESSING DATA IS AS FOLLOWS:
 - USE 22 - 0.6" DIAMETER LOW-RELAXATION (A = 0.217 SQ IN) STRANDS. PRETENSION STRANDS TO 43,943 LBS EACH.
 - PRETENSIONED STRANDS SHALL BE RELEASED AFTER THE CONCRETE HAS REACHED A MINIMUM STRENGTH (f_{ci}) OF 4,500 PSI.
 - INCLUDING THE TOP STRANDS, THE TOTAL JACKING FORCE OF PRETENSIONING IS 966,746 LBS.
 - INCLUDING THE TOP STRANDS, THE NET PRESTRESSING FORCE OF THE STRANDS AFTER ALL LOSSES IS 805,782 LBS.
- CONCRETE STRENGTH (f_c') = 5,000 PSI.
- ALLOWABLE PSC BEAM TENSION = 424 PSI.



DIAPHRAGM BAR SHALL BE A 1" DIAMETER PLAIN BAR, THREADED 5" ON EACH END, WITH 1/4" X 3/2" DIAMETER WASHERS AND HEX NUTS (ASTM A 709 GRADE 36). TIGHTEN DIAPHRAGM BAR AS PER SUB-SECTION 507.3.05.C OF THE GEORGIA DOT SPECIFICATIONS. AFTER EXCESS DIAPHRAGM BAR HAS BEEN CUT OFF, PAINT DIAPHRAGM BAR, WASHER, AND NUT EXPOSED IN RECESS WITH SPECIAL PROTECTIVE COATING NO. 2 P AS PER SECTION 535 OF THE GEORGIA DOT SPECIFICATIONS. AFTER PAINTING, FILL THE RECESS WITH AN APPROVED EPOXY GROUT. GALVANIZING OF THE DIAPHRAGM BAR AS PER SUB-SECTION 865.2.01.B.12 OF THE GEORGIA DOT SPECIFICATIONS IS NOT REQUIRED.

RECESS DETAIL FOR DIAPHRAGM BAR ENDS



BRIDGE NO. 1



GEORGIA DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

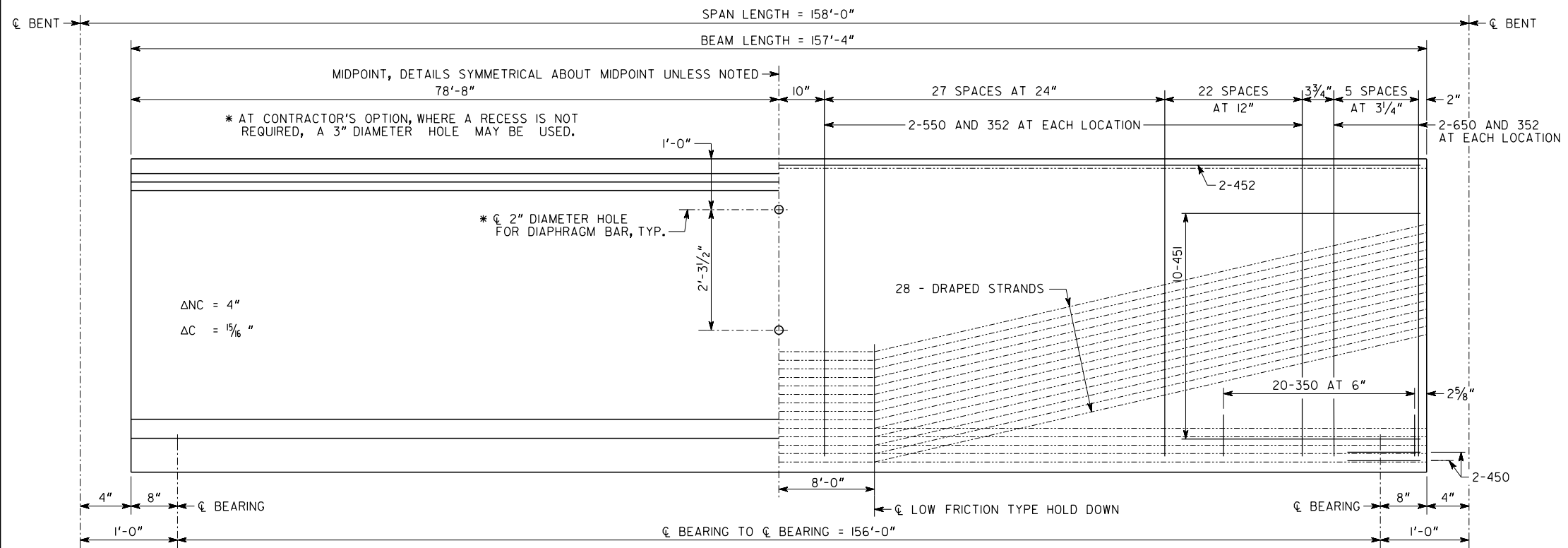
BULB TEE, 74 IN PSC BEAM - END SPANS
COURTESY PARKWAY EXTENSION OVER IRIS DRIVE, I-20, AND DOGWOOD DRIVE
ROCKDALE COUNTY CSSTP-0006-00(934)

NO SCALE DECEMBER 2022

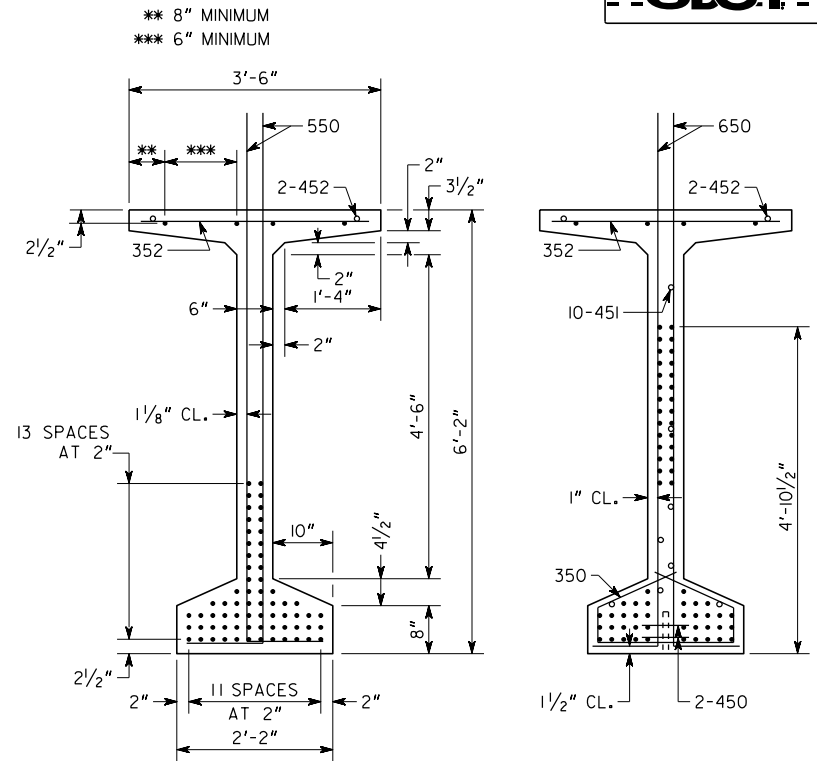
DATE	REVISIONS	BY

DRAWING NO. 35-0009
BRIDGE SHEET 9 OF 18

DESIGNED BLB	CHECKED KFD	REVIEWED DLC/SKG
DRAWN JJK	DESIGN GROUP JRT	APPROVED DPD



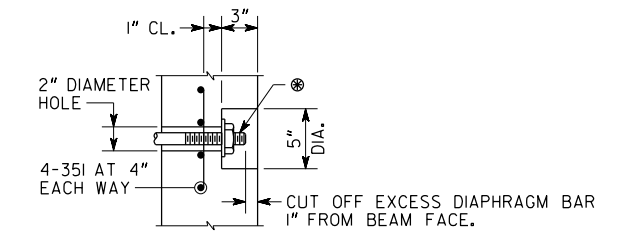
ELEVATION



SECTION AT MIDPOINT SECTION AT END

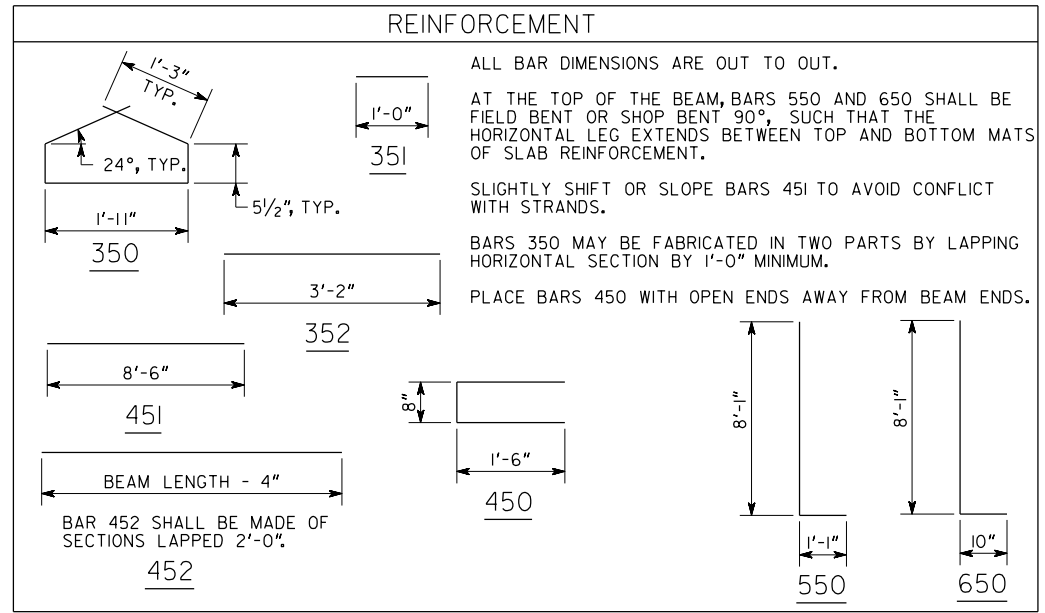
NOTES

- BEAMS SHALL BE MAINTAINED IN AN UPRIGHT POSITION AT ALL TIMES AND SHALL BE PICKED UP WITHIN 9'-0" FROM THEIR ENDS. DISREGARDING THIS REQUIREMENT COULD LEAD TO COLLAPSE OF THE BEAM. PICK-UPS SHALL BE EMBEDDED TO WITHIN 4" OF THE BOTTOM OF THE BEAM. DETAILS OF PICK-UPS SHALL BE INCLUDED IN THE SHOP DRAWINGS.
- CHAMFER EDGES OF BEAMS 1/2", 3/4" OR 1".
- HORIZONTAL DIMENSIONS ARE IN PLACE DIMENSIONS. THE BEAM LENGTH INCLUDES THE 1/8" EPOXY MORTAR AT EACH END. SHOP DRAWINGS SHALL ADJUST HORIZONTAL DIMENSIONS FOR GRADE AND FABRICATION EFFECTS SUCH AS SHRINKAGE AND ELASTIC SHORTENING.
- AT ϕ BEARING, FORM A 1 3/4" DIAMETER X 7" DEEP HOLE AT THE FIXED ENDS AND A 6" X 1 3/4" X 7" DEEP SLOT AT THE EXPANSION ENDS FOR A 1 1/2" DIAMETER SMOOTH DOWEL. SEE PLAN AND ELEVATION SHEET FOR LOCATION OF FIXED AND EXPANSION ENDS.
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- COMPOSITE DEAD LOAD DEFLECTION (Δ_C) AT THE MIDPOINT IS DUE TO THE WEIGHT OF BARRIER.
- STRANDS SHALL MEET ALL REQUIREMENTS OF ASTM A 416 GRADE 270.
- PRESTRESSING DATA IS AS FOLLOWS:
 - USE 70 - 0.6" DIAMETER LOW-RELAXATION ($A = 0.217$ SQ IN) STRANDS. PRETENSION TOP FOUR (4) STRANDS TO 10,000 LBS EACH. PRETENSION BOTTOM STRANDS TO 43,943 LBS EACH.
 - PRESTRESSED STRANDS SHALL BE RELEASED AFTER THE CONCRETE HAS REACHED A MINIMUM STRENGTH (f_{ci}) OF 8,500 PSI.
 - INCLUDING THE TOP STRANDS, THE TOTAL JACKING FORCE OF PRETENSIONING IS 2,940,238 LBS.
 - INCLUDING THE TOP STRANDS, THE NET PRESTRESSING FORCE OF THE STRANDS AFTER ALL LOSSES IS 2,156,665 LBS.
- CONCRETE STRENGTH (f'_c) = 10,000 PSI. (HPC)
- ALLOWABLE PSC BEAM TENSION = 600 PSI.



DIAPHRAGM BAR SHALL BE A 1" DIAMETER PLAIN BAR, THREADED 5" ON EACH END, WITH 1/4" X 3/2" DIAMETER WASHERS AND HEX NUTS (ASTM A 709 GRADE 36). TIGHTEN DIAPHRAGM BAR AS PER SUB-SECTION 507.3.05.C OF THE GEORGIA DOT SPECIFICATIONS. AFTER EXCESS DIAPHRAGM BAR HAS BEEN CUT OFF, PAINT DIAPHRAGM BAR, WASHER, AND NUT EXPOSED IN RECESS WITH SPECIAL PROTECTIVE COATING NO. 2 P AS PER SECTION 535 OF THE GEORGIA DOT SPECIFICATIONS. AFTER PAINTING, FILL THE RECESS WITH AN APPROVED EPOXY GROUT. GALVANIZING OF THE DIAPHRAGM BAR AS PER SUB-SECTION 865.2.01.B.12 OF THE GEORGIA DOT SPECIFICATIONS IS NOT REQUIRED.

RECESS DETAIL FOR DIAPHRAGM BAR ENDS



ALL BAR DIMENSIONS ARE OUT TO OUT. AT THE TOP OF THE BEAM, BARS 550 AND 650 SHALL BE FIELD BENT OR SHOP BENT 90°, SUCH THAT THE HORIZONTAL LEG EXTENDS BETWEEN TOP AND BOTTOM MATS OF SLAB REINFORCEMENT. SLIGHTLY SHIFT OR SLOPE BARS 451 TO AVOID CONFLICT WITH STRANDS. BARS 350 MAY BE FABRICATED IN TWO PARTS BY LAPPING HORIZONTAL SECTION BY 1'-0" MINIMUM. PLACE BARS 450 WITH OPEN ENDS AWAY FROM BEAM ENDS.

BRIDGE NO. 1



GEORGIA DEPARTMENT OF TRANSPORTATION ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

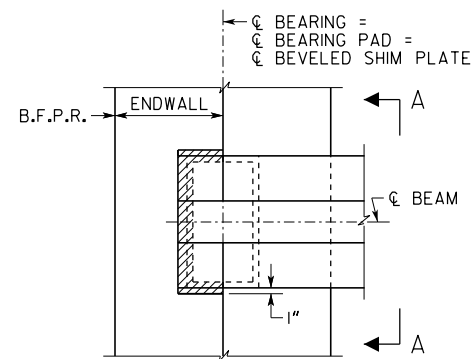
BULB TEE, 74 IN PSC BEAM - SPAN 2 COURTESY PARKWAY EXTENSION OVER IRIS DRIVE, I-20, AND DOGWOOD DRIVE ROCKDALE COUNTY CSSTP-0006-00(934)

NO SCALE DECEMBER 2022

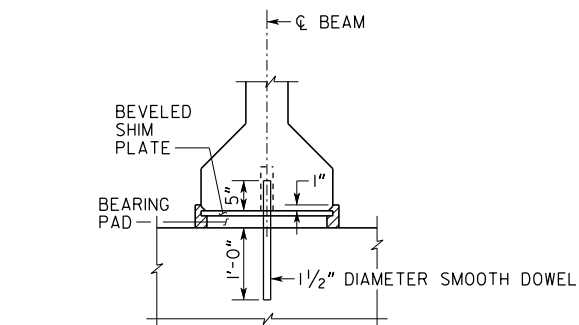
DATE	REVISIONS	BY

DRAWING NO. 35-0010
BRIDGE SHEET 10 OF 18

DESIGNED BLB	CHECKED KFD	REVIEWED DLC/SKG
DRAWN JJK	DESIGN GROUP JRT	APPROVED DPD

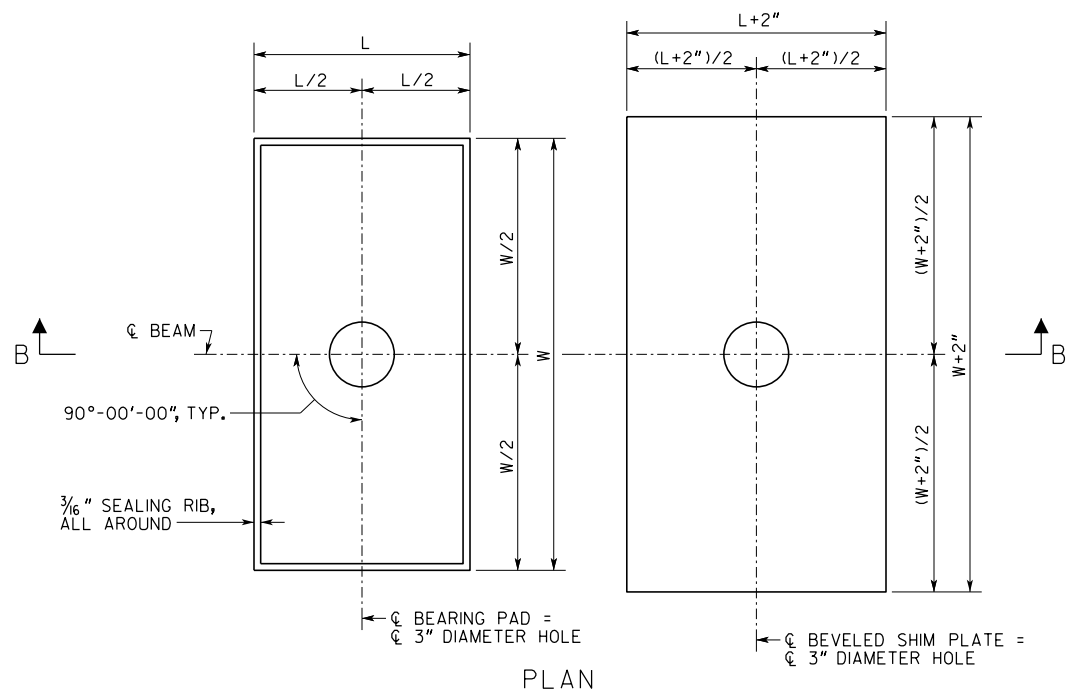


PLAN
BENT 1 SHOWN
BENT 4 SIMILAR

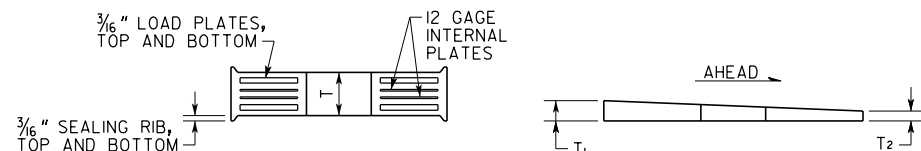


PREFORMED FOAM JOINT FILLER SHALL BE IN ACCORDANCE WITH SUB-SECTION 833.2.10 OF THE GEORGIA DOT SPECIFICATIONS.

ENDWALL NOT SHOWN
SECTION A-A



PLAN



BEARING PAD

BEVELED SHIM PLATE

NOTES

- BEARING PADS HAVE BEEN DESIGNED ACCORDING TO AASHTO LRFD DESIGN SPECIFICATIONS, SECTION 14.7.6 METHOD A AND SHALL BE FURNISHED IN ACCORDANCE WITH AASHTO LRFD BRIDGE CONSTRUCTION SPECIFICATIONS, SECTION 18, BEARING DEVICES.
- 1/2" DIAMETER SMOOTH DOWELS SHALL BE ASTM A709 GRADE 36.
- BEARING PADS SHALL BE MADE OF 60 DUROMETER HARDNESS NEOPRENE, GRADE 2 OR HIGHER.
- 3" DIAMETER HOLE IN BEARING PADS MAY BE FORMED OR DRILLED.
- BEARING PADS SHALL HAVE 1/4" COVER ON THE TOP, BOTTOM, AND SIDES AND AROUND THE HOLE.
- 3/16" LOAD PLATES AND 12 GAGE INTERNAL PLATE(S) (IF REQUIRED) SHALL BE ASTM A709 GRADE 36 OR ASTM A1011 GRADE 36.
- NUMBER OF INTERNAL PLATES SHOWN FOR ILLUSTRATION PURPOSES ONLY. THE NUMBER OF INTERNAL PLATE(S) SPECIFIED SHALL BE EQUALLY SPACED BETWEEN LOAD PLATES.
- USE OF 1/2° MOLD DRAFT IS OPTIONAL.
- BEVELED SHIM PLATES SHALL BE ASTM A709 GRADE 36 AND SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A123.

BENT	BEARING PADS								BEVELED SHIM PLATES	
	W	L	T	NUMBER OF INTERNAL PLATE(S)	DESIGN SHEAR DEFLECTION	DESIGN LOADS (KIPS)			T1	T2
						DEAD LOAD	LIVE LOAD (NO IMPACT)	DEAD LOAD + LIVE LOAD		
1 INT	18"	12"	3 1/2"	3	1/2"	86	71	157	-	-
1 EXT	22"	12"	3 1/2"	3	1/2"	96	64	160	-	-
2 BK EXT	22"	12"	3 1/2"	3	1"	87	64	151	-	-
2 BK INT	18"	12"	3 1/2"	3	1"	77	71	148	-	-
2 AH	22"	12"	3"	3	1"	190	99	289	7/8	1/4
3 BK	22"	12"	3"	3	0"	190	99	289	7/8	1/4
3 AH INT	18"	12"	3 1/2"	3	0"	77	71	148	1"	1/4
3 AH EXT	22"	12"	3 1/2"	3	0"	87	64	151	1"	1/4
4 EXT	22"	12"	3 1/2"	3	1/2"	96	64	160	1"	1/4
4 INT	18"	12"	3 1/2"	3	1/2"	86	71	157	1"	1/4

BRIDGE NO. 1

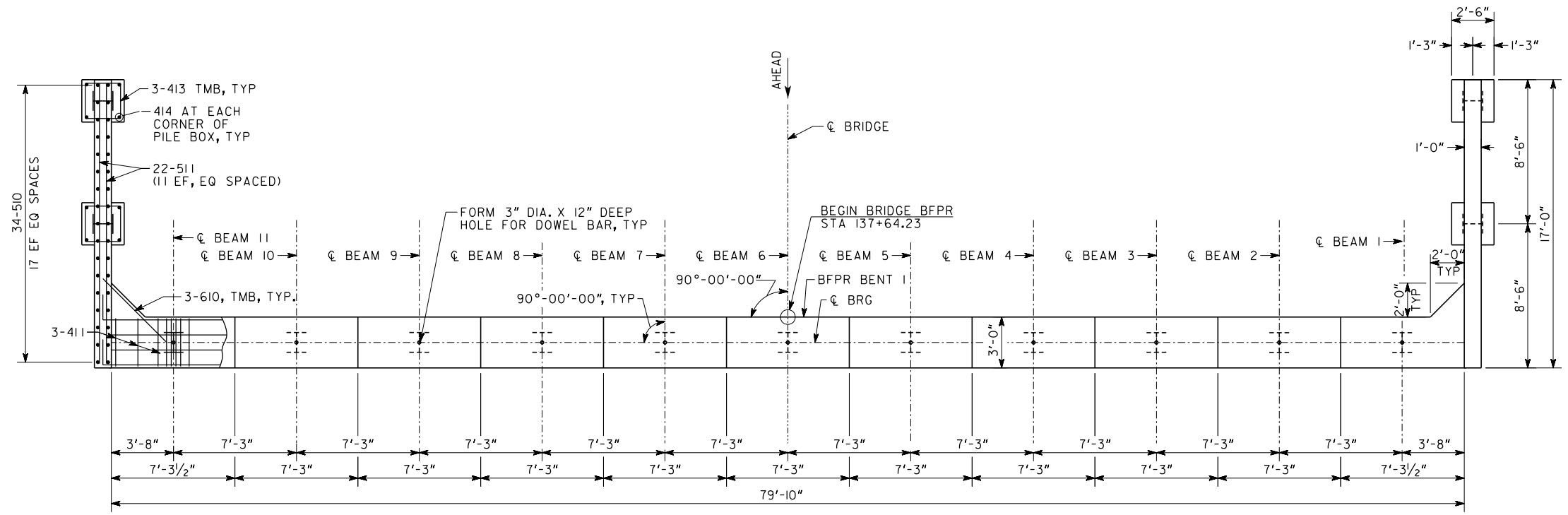


GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

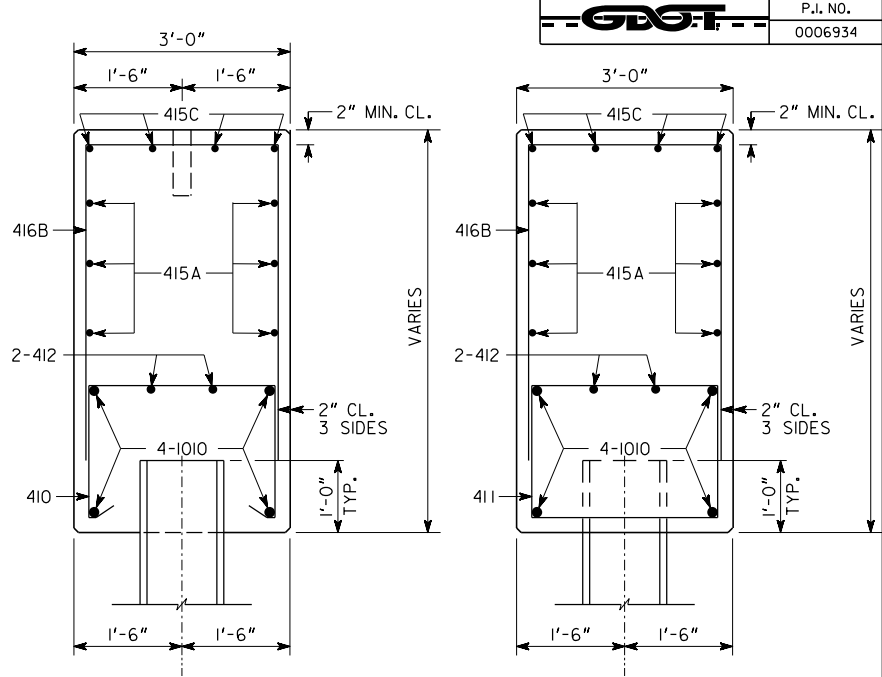
BEARING PAD DETAILS
COURTESY PARKWAY EXTENSION OVER IRIS DRIVE, I-20, AND DOGWOOD DRIVE
ROCKDALE COUNTY CSSTP-0006-00(934)

DRAWING NO. 35-0011	BRIDGE SHEET 11 OF 18	DESIGNED BLB	CHECKED KFD	REVIEWED DLC/SKG
		DRAWN JKJ	DESIGN GROUP JRT	APPROVED DPD

DATE	REVISIONS

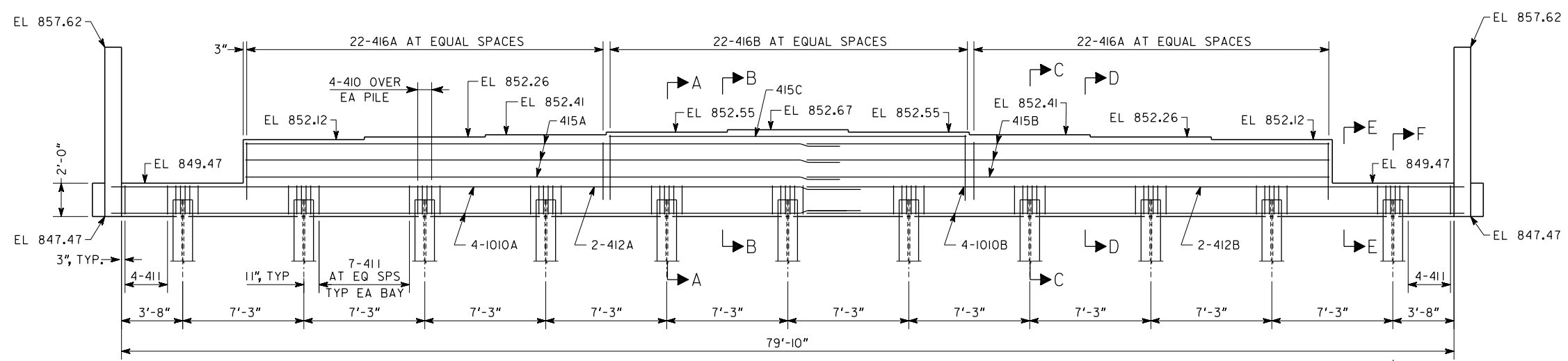


PLAN

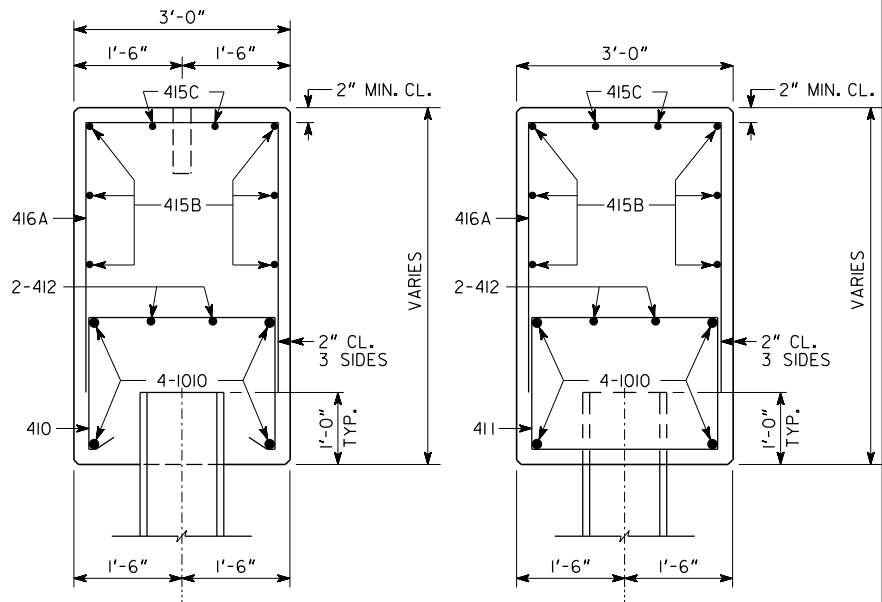


SECTION A-A
SCALE: 3/4" = 1'-0"

SECTION B-B
SCALE: 3/4" = 1'-0"

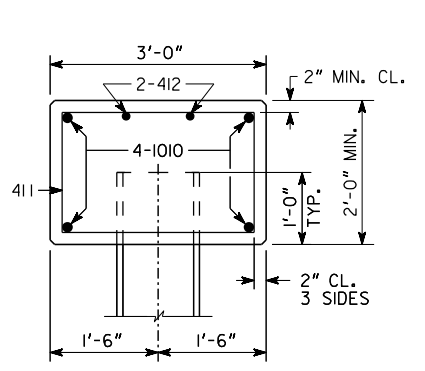


ELEVATION
(LOOKING BACK)

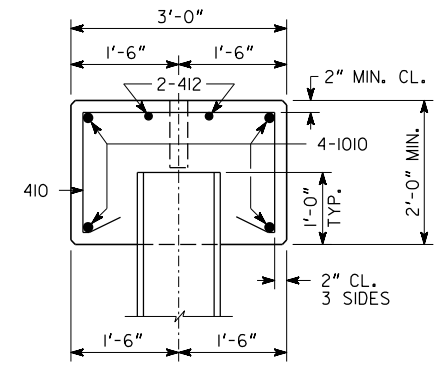


SECTION C-C
SCALE: 3/4" = 1'-0"

SECTION D-D
SCALE: 3/4" = 1'-0"



SECTION E-E
SCALE: 3/4" = 1'-0"



SECTION F-F
SCALE: 3/4" = 1'-0"

NOTE: LAP #10 BARS 3'-3" MINIMUM
LAP #4 BARS 2'-0" MINIMUM
PILES UNDER BEAMS 1 THRU 5 ARE LEFT PILES.
PILES UNDER BEAMS 6 THRU 11 ARE RIGHT PILES.

THE PILES ARE DESIGNED FOR A MAXIMUM FACTORED AXIAL LOAD OF 263 KIPS.

ALL PILES SHALL BE STEEL H, HP 14 X 89.
PLAN DRIVING OBJECTIVE

ALL PILES SHALL BE DRIVEN TO A DRIVING RESISTANCE OF 405 KIPS AFTER A MINIMUM TIP ELEVATION OF 815 IS ACHIEVED FOR LEFT PILES AND 806 IS ACHIEVED FOR RIGHT PILES.

SUBSTRUCTURE QUANTITIES	
ITEM	BENT 1
CY CLASS AA CONCRETE	53.0
LB BAR REINF STEEL	4702

DATE	REVISIONS	BY

DRAWING NO. 35-0012
BRIDGE SHEET 12 OF 18

BRIDGE NO. 1

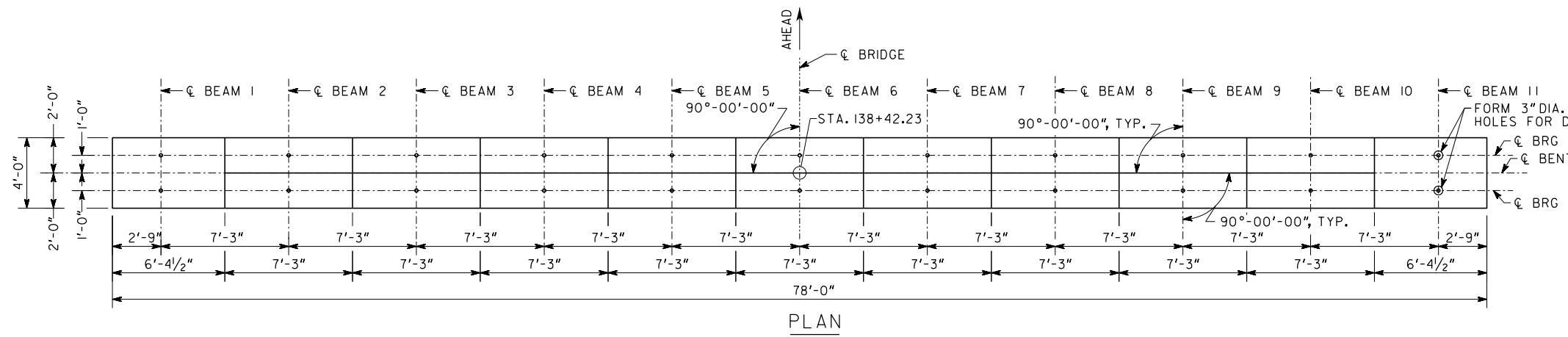
2450 Commerce Avenue Suite 100
Duluth, Georgia 30096-8910
Tel.: (770) 263-5945
onatlasc.com

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

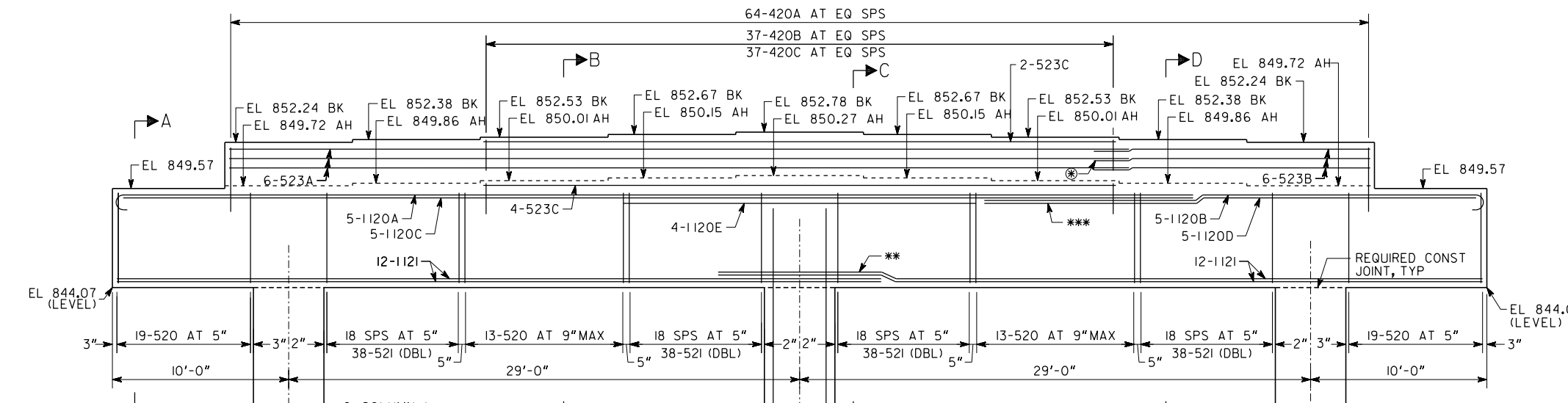
END BENT 1
COURTESY PARKWAY EXTENSION OVER IRIS DRIVE, I-20, AND DOGWOOD DRIVE
ROCKDALE COUNTY CSSTP-0006-00(934)

SCALE: 1/4" = 1'-0" DECEMBER 2022

DESIGNED: BLB	CHECKED: KFD	REVIEWED: DLC/SKG
DRAWN: JJK	DESIGN GROUP: JRT	APPROVED: DPD

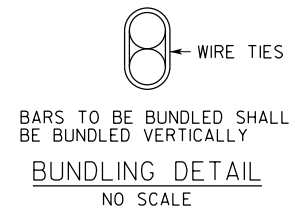


PLAN

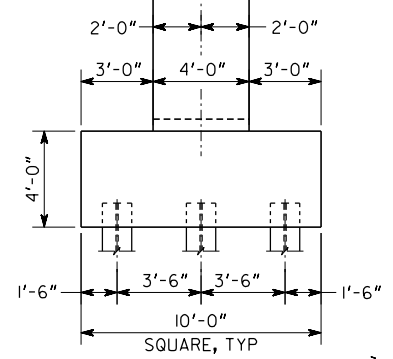


ELEVATION

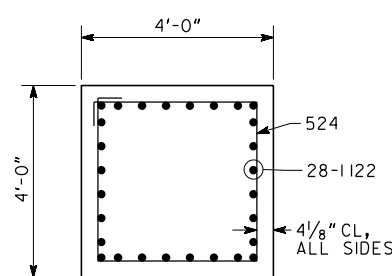
- NOTES:**
1. \odot 2'-0" MIN. LAP
 2. $\odot\odot$ OPTIONAL CONSTRUCTION JOINT, TYP. POUR WITHIN 12 HOURS.
 3. * AT CONTRACTOR'S OPTION CONSTRUCTION JOINT MAY BE RELOCATED TO TOP OF FOOTING
 4. ** 9'-3" MIN. LAP
 5. *** 12'-0" MIN LAP ALTERNATE LAP LOCATIONS
 6. EXTEND #122 BARS 4'-6" MIN INTO CAP
 7. PILES UNDER FOOTING 1 ARE LEFT PILES. PILES UNDER FOOTINGS 2 AND 3 ARE RIGHT PILES.



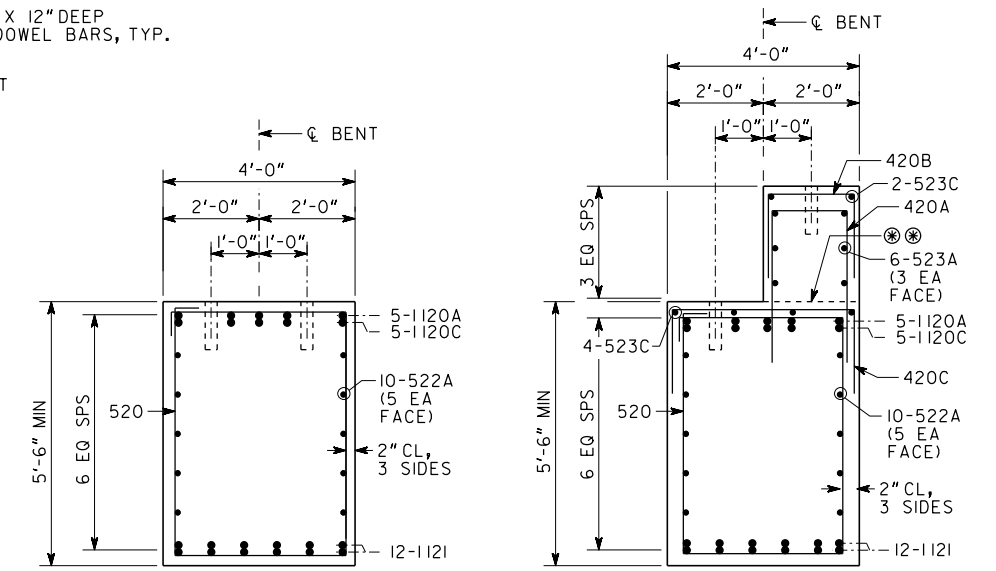
BUNDLING DETAIL
NO SCALE



PILE LAYOUT

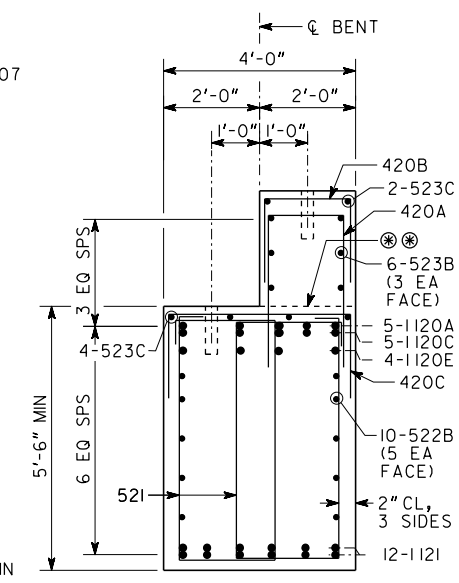


SECTION E-E
SCALE: 1/2" = 1'-0"

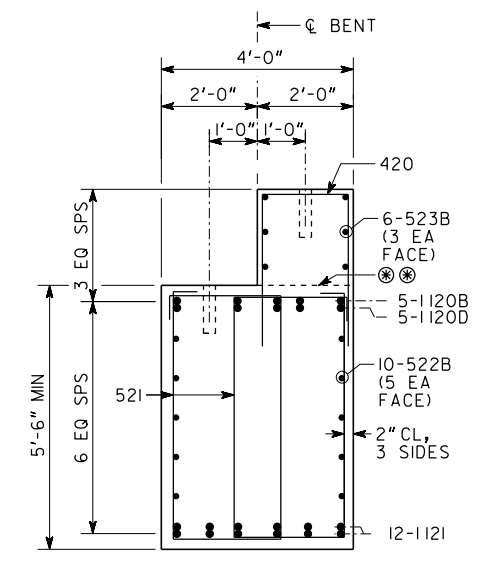


SECTION A-A
SCALE: 1/2" = 1'-0"

SECTION B-B
SCALE: 1/2" = 1'-0"



SECTION C-C
SCALE: 1/2" = 1'-0"



SECTION D-D
SCALE: 1/2" = 1'-0"

ALL PILES SHALL BE STEEL H, HP 14 X 89.
PILES ARE DESIGNED FOR A MAXIMUM FACTORED LOAD OF 396 KIPS.

PLAN DRIVING OBJECTIVE

ALL PILES SHALL BE DRIVEN TO A DRIVING RESISTANCE OF 596 KIPS AFTER A MINIMUM TIP ELEVATION OF 800 IS ACHIEVED FOR PILES UNDER FOOTING 1 AND 781 IS ACHIEVED FOR PILES UNDER FOOTINGS 2 AND 3.

SUBSTRUCTURE QUANTITIES	
ITEM	BENT 2
CY CLASS AA CONCRETE	165.6
LB BAR REINF STEEL	38052

DATE	REVISIONS	BY

BRIDGE NO. 1

2450 Commerce Avenue Suite 100
Duluth, Georgia 30096-8910
Tel.: (770) 263-5945
oneatlas.com

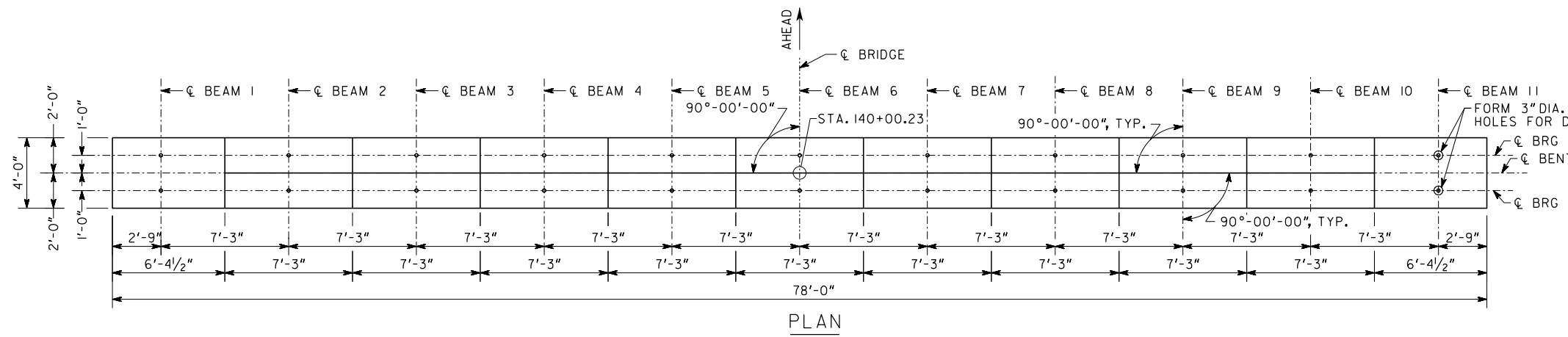
GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

INTERMEDIATE BENT 2
COURTESY PARKWAY EXTENSION OVER IRIS DRIVE, I-20, AND DOGWOOD DRIVE
ROCKDALE COUNTY CSSTP-0006-00(934)

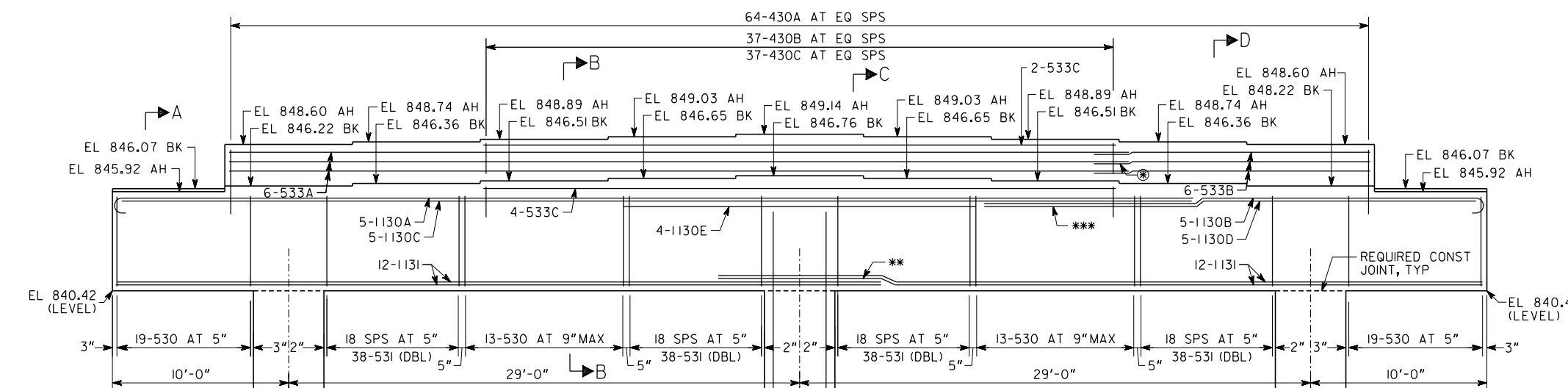
SCALE: 1/4" = 1'-0" DECEMBER 2022

DESIGNED: BLB	CHECKED: KFD	REVIEWED: DLC/SKG
DRAWN: JJK	DESIGN GROUP: JRT	APPROVED: DPD

DRAWING NO. 35-0013
BRIDGE SHEET 13 OF 18

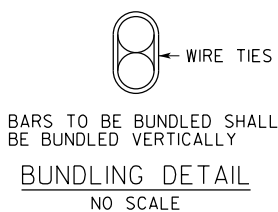


PLAN

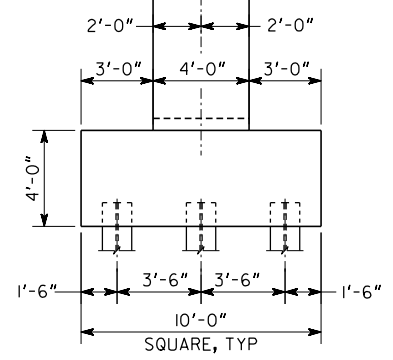


ELEVATION

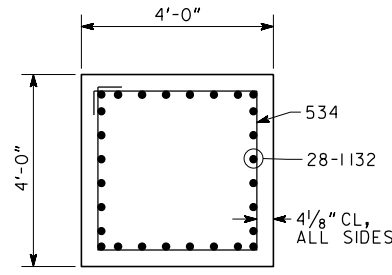
- NOTES:**
- ① 2'-0" MIN. LAP
 - ② OPTIONAL CONSTRUCTION JOINT, TYP. POUR WITHIN 12 HOURS.
 - * AT CONTRACTOR'S OPTION CONSTRUCTION JOINT MAY BE RELOCATED TO TOP OF FOOTING
 - ** 9'-3" MIN. LAP
 - *** 12'-0" MIN LAP ALTERNATE LAP LOCATIONS
 - EXTEND #132 BARS 4'-6" MIN INTO CAP
 - PILES UNDER FOOTING 1 ARE LEFT PILES. PILES UNDER FOOTINGS 2 AND 3 ARE RIGHT PILES. 3" CL ALL SIDES



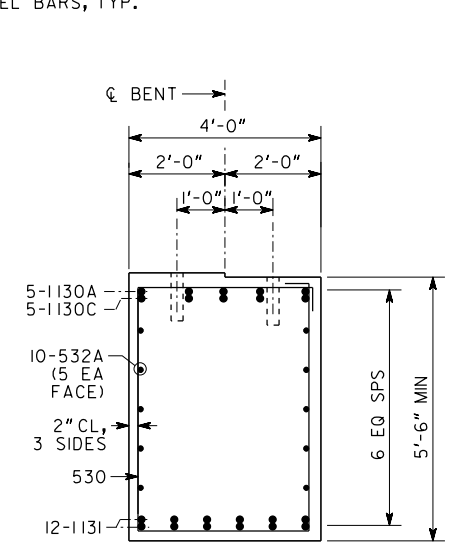
BUNDLING DETAIL
NO SCALE



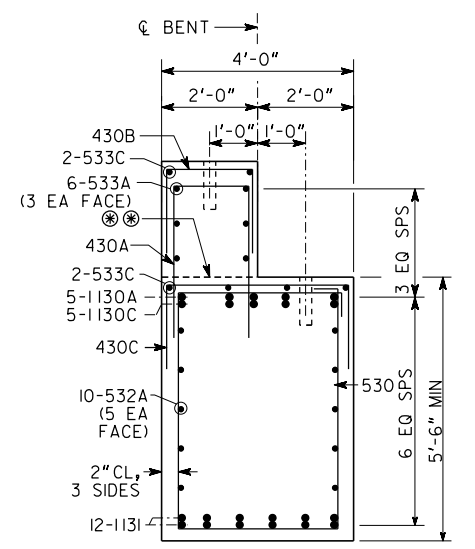
PILE LAYOUT



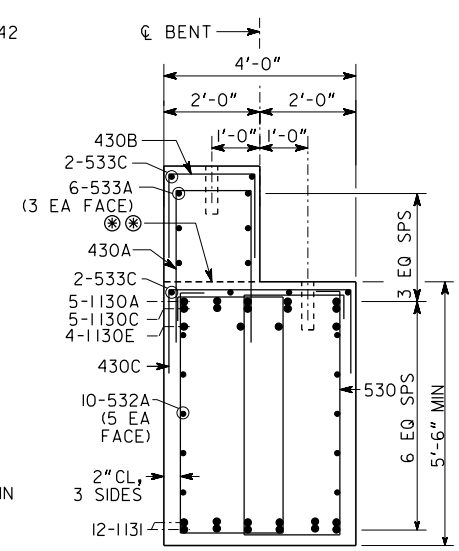
SECTION E-E
SCALE: 1/2" = 1'-0"



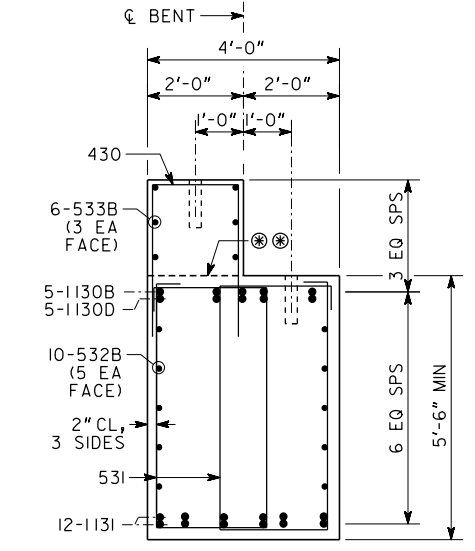
SECTION A-A
SCALE: 1/2" = 1'-0"



SECTION B-B
SCALE: 1/2" = 1'-0"



SECTION C-C
SCALE: 1/2" = 1'-0"



SECTION D-D
SCALE: 1/2" = 1'-0"

ALL PILES SHALL BE STEEL H, HP 14 X 89.
PILES ARE DESIGNED FOR A MAXIMUM FACTORED LOAD OF 396 KIPS.

PLAN DRIVING OBJECTIVE

ALL PILES SHALL BE DRIVEN TO A DRIVING RESISTANCE OF 596 KIPS AFTER A MINIMUM TIP ELEVATION OF 791 IS ACHIEVED FOR PILES UNDER FOOTING 1 AND 790 IS ACHIEVED FOR PILES UNDER FOOTINGS 2 AND 3.

SUBSTRUCTURE QUANTITIES	
ITEM	BENT 3
CY CLASS AA CONCRETE	163.6
LB BAR REINF STEEL	37168

DRAWING NO.	35-0014
BRIDGE SHEET	14 OF 18

DATE	REVISIONS	BY



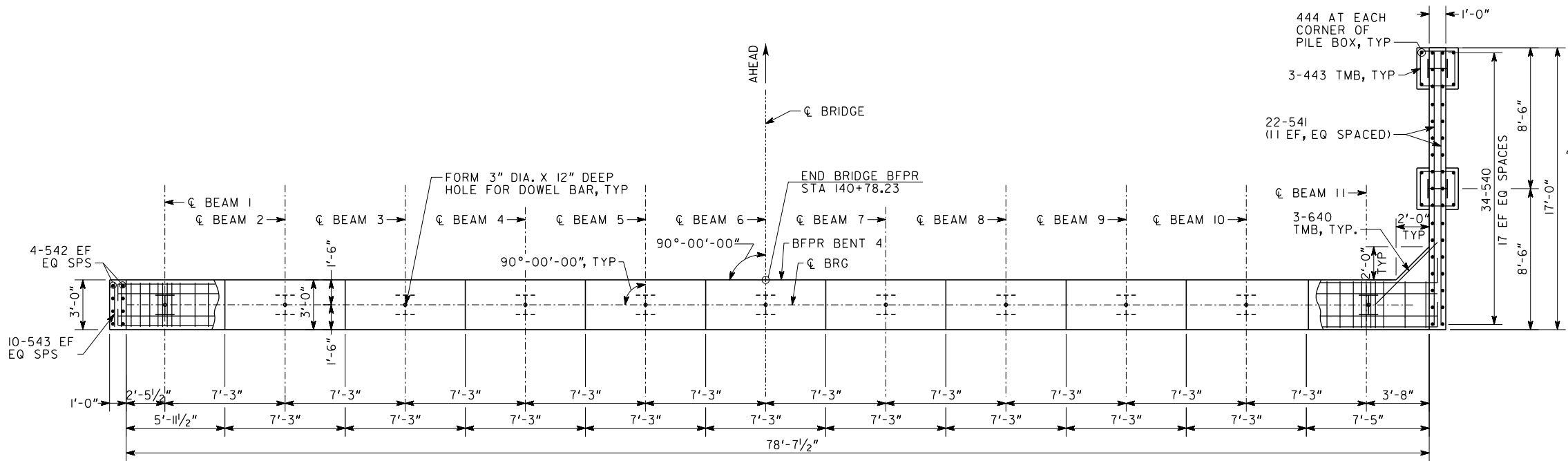
BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

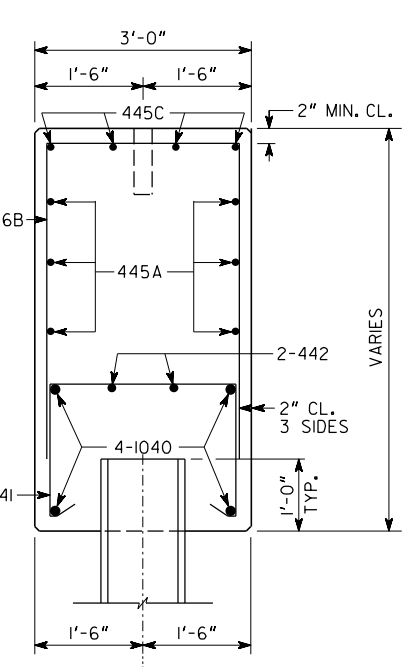
INTERMEDIATE BENT 3
COURTESY PARKWAY EXTENSION OVER IRIS DRIVE, I-20, AND DOGWOOD DRIVE
ROCKDALE COUNTY CSSTP-0006-00(934)

SCALE: 1/4" = 1'-0" DECEMBER 2022

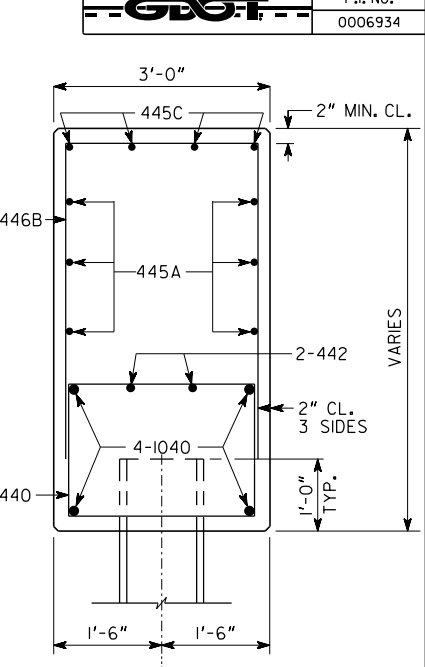
DESIGNED	BLB	CHECKED	KFD	REVIEWED	DLC/SKG
DRAWN	JJK	DESIGN GROUP	JRT	APPROVED	DPD



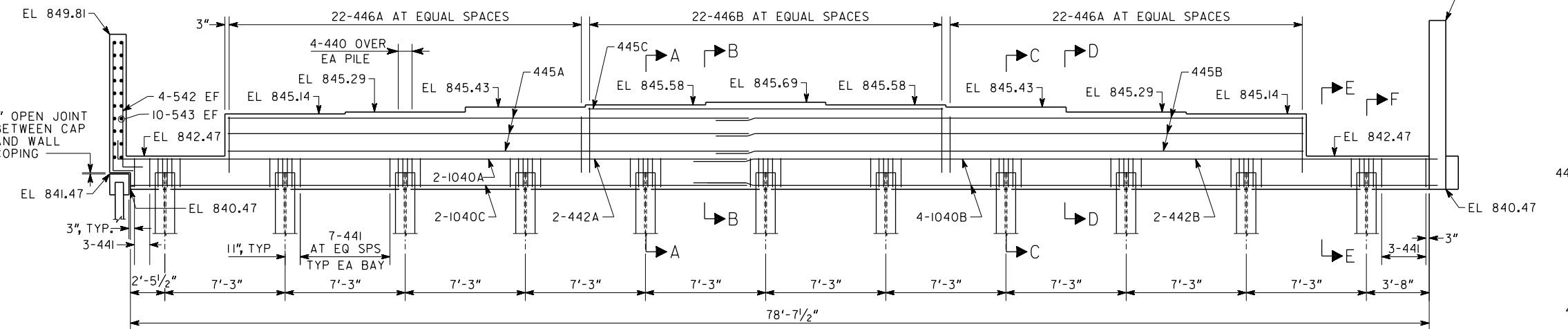
PLAN



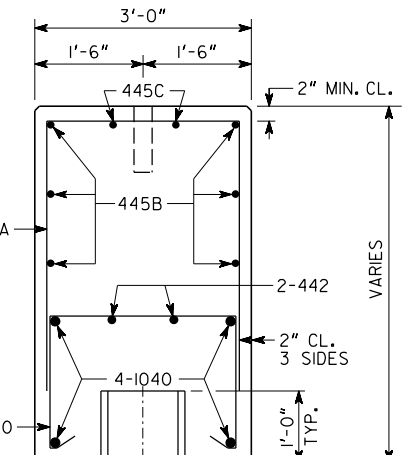
SECTION A-A
SCALE: 3/4" = 1'-0"



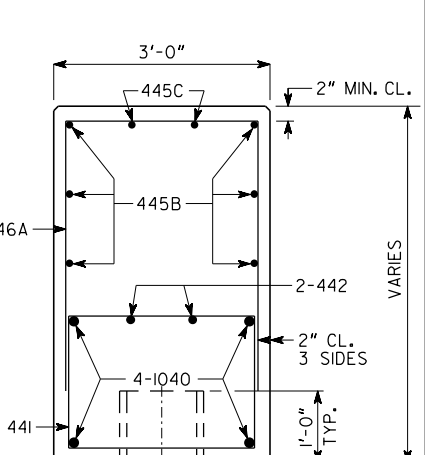
SECTION B-B
SCALE: 3/4" = 1'-0"



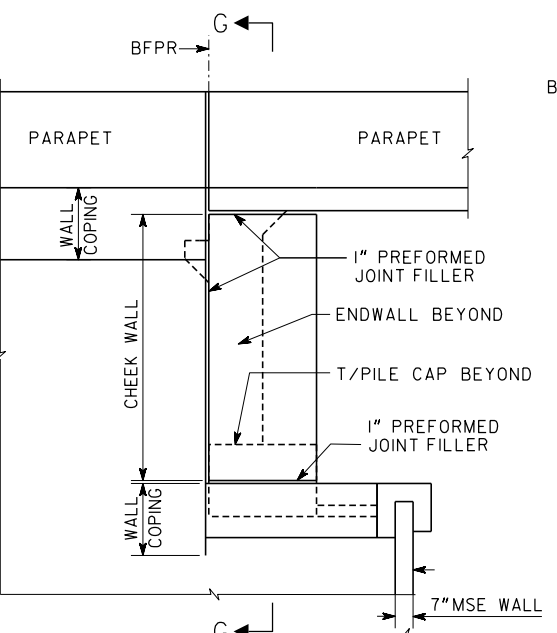
ELEVATION
(LOOKING AHEAD)



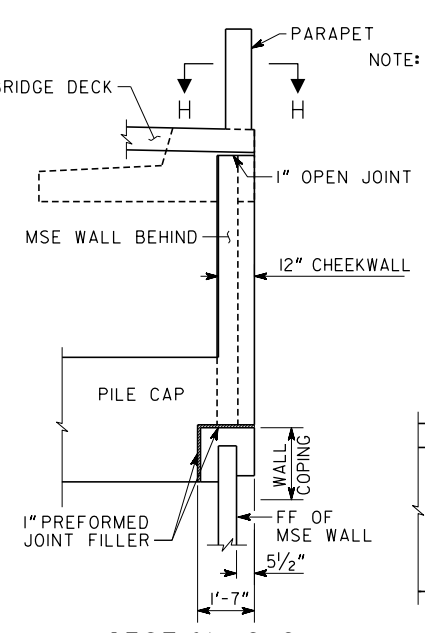
SECTION C-C
SCALE: 3/4" = 1'-0"



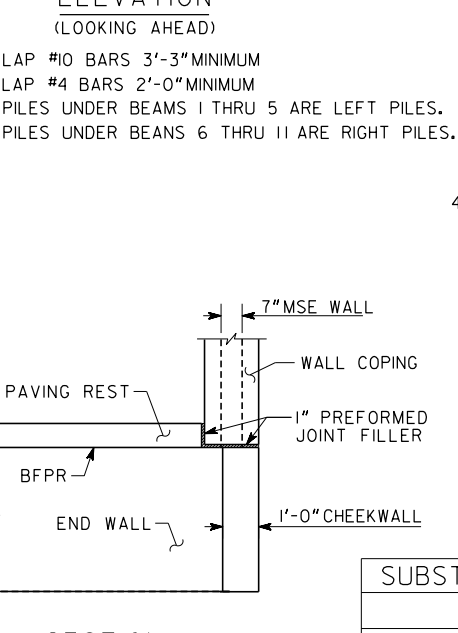
SECTION D-D
SCALE: 3/4" = 1'-0"



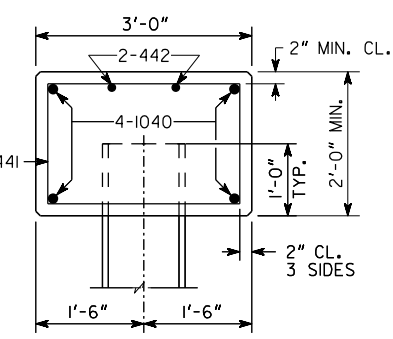
CHEEKWALL ELEVATION
SCALE: 3/8" = 1'-0"



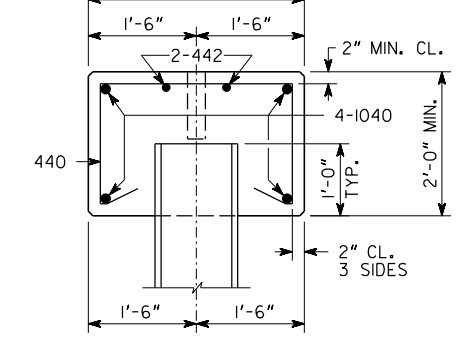
SECTION G-G
(ENDWALL OMITTED FOR CLARITY)
SCALE: 3/8" = 1'-0"



SECTION H-H
SCALE: 3/8" = 1'-0"



SECTION E-E
SCALE: 3/4" = 1'-0"



SECTION F-F
SCALE: 3/4" = 1'-0"

SUBSTRUCTURE QUANTITIES	
ITEM	BENT 4
CY CLASS AA CONCRETE	46.8
LB BAR REINF STEEL	3992

THE PILES ARE DESIGNED FOR A MAXIMUM FACTORED AXIAL LOAD OF 263 KIPS.
ALL PILES SHALL BE STEEL H, HP 14 X 89.
PLAN DRIVING OBJECTIVE
ALL PILES SHALL BE DRIVEN TO A DRIVING RESISTANCE OF 405 KIPS AFTER A MINIMUM TIP ELEVATION OF 788 IS ACHIEVED FOR PILES 1 THRU 5 AND 785 IS ACHIEVED FOR PILES 6 THRU 11.

DRAWING NO.	35-0015
BRIDGE SHEET	15 OF 18

DATE	
REVISIONS	
BY	

BRIDGE NO. 1

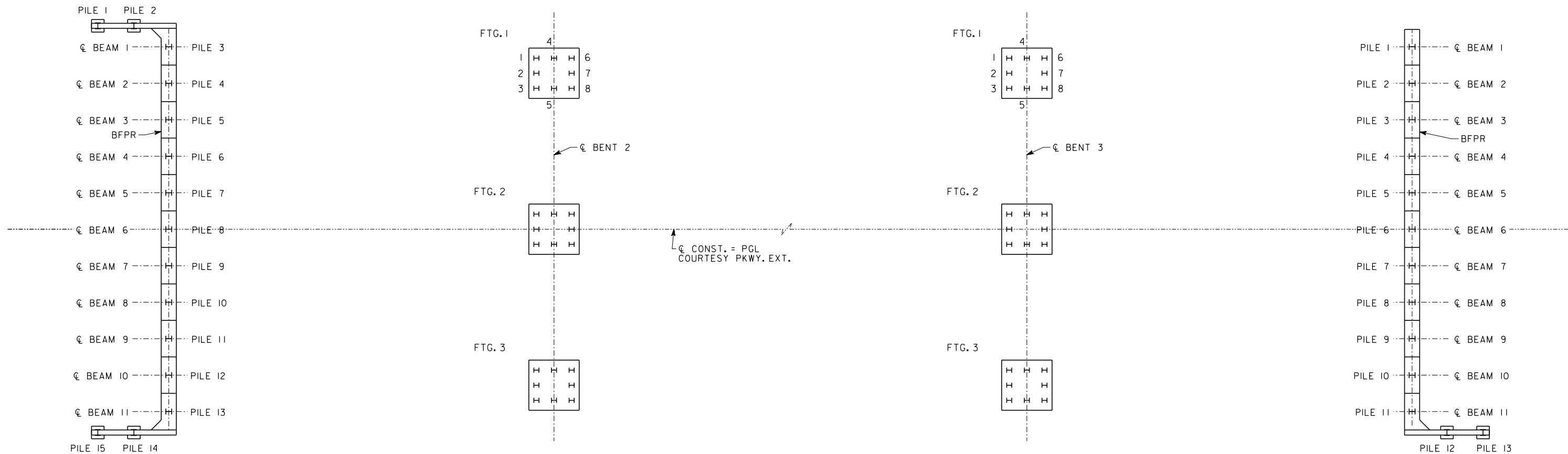
2450 Commerce Avenue Suite 100
Duluth, Georgia 30096-8910
Tel.: (770) 263-5945
onatlasc.com

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

END BENT 4
COURTESY PARKWAY EXTENSION OVER
IRIS DRIVE, I-20, AND DOGWOOD DRIVE
ROCKDALE COUNTY CSSTP-0006-00(934)

SCALE: 1/4" = 1'-0" DECEMBER 2022

DESIGNED	BLB	CHECKED	KFD	REVIEWED	DLC/SKG
DRAWN	JJK	DESIGN GROUP	JRT	APPROVED	DPD

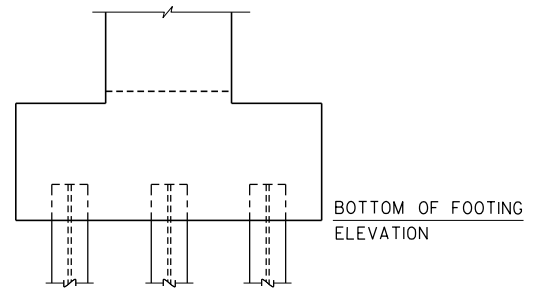


FOUNDATION PLAN

NOTE- THIS "AS-BUILT FOUNDATION INFORMATION" SHEET SHALL BE FILLED IN BY THE PROJECT ENGINEER AND THE COMPLETED PDF FORWARDED TO BRIDGEOFFICE@DOT.GA.GOV AFTER INSTALLATION OF PILES AND FOOTINGS FOR POSTING TO THE PLANS AS A PERMANENT RECORD OF THE BRIDGE CONSTRUCTION.

PROJECT ENGINEER _____ DATE _____

(AREA CODE) TELEPHONE NUMBER _____



BENTS 2 AND 3

AS-BUILT FOUNDATION INFORMATION BENT 1

PILE LOCATION	PILE NO.	PILE TIP ELEVATION
LT WINGWALL	1	
LT WINGWALL	2	
BEAM 1	3	
BEAM 2	4	
BEAM 3	5	
BEAM 4	6	
BEAM 5	7	
BEAM 6	8	
BEAM 7	9	
BEAM 8	10	
BEAM 9	11	
BEAM 10	12	
BEAM 11	13	
RT WINGWALL	14	
RT WINGWALL	15	

AS-BUILT FOUNDATION INFORMATION BENT 4

PILE LOCATION	PILE NO.	PILE TIP ELEVATION
BEAM 1	1	
BEAM 2	2	
BEAM 3	3	
BEAM 4	4	
BEAM 5	5	
BEAM 6	6	
BEAM 7	7	
BEAM 8	8	
BEAM 9	9	
BEAM 10	10	
BEAM 11	11	
RT WINGWALL	12	
RT WINGWALL	13	

AS-BUILT FOUNDATION INFORMATION

BENT	LOCATION FTG.	BOTTOM OF FTG. ELEV.	PILE NO. AND PILE TIP ELEVATION								
			1	2	3	4	5	6	7	8	
2	1										
	2										
	3										
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BRIDGE NO. 1



GEORGIA DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

AS-BUILT FOUNDATION PLAN
COURTESY PARKWAY EXTENSION OVER IRIS DRIVE, I-20, AND DOGWOOD DRIVE
ROCKDALE COUNTY CSSTP-0006-00(934)

NO SCALE DECEMBER 2022

DATE	REVISIONS

DRAWING NO. 35-0016
BRIDGE SHEET 16 OF 18

DESIGNED: BLB	CHECKED: KFD	REVIEWED: DLC/SKG
DRAWN: JJK	DESIGN GROUP: JRT	APPROVED: DPD

PROJECT INFORMATION	
ENGINEERED PRODUCT MANAGER:	ED PISOWICZ 404-433-7452 EDWARD.PISOWICZ@ADSPIPE.COM
ADS SALES REP:	PAUL ROOT 678-858-3360 PAUL.ROOT@ADSPIPE.COM
PROJECT NO:	S164122



COURTESY PARKWAY EXPANSION

ROCKDALE, GA

BAYSAVER BARRACUDA SPECIFICATIONS

MATERIALS AND DESIGN

CONCRETE STRUCTURES: DESIGNED FOR H-20 TRAFFIC LOADING AND APPLICABLE SOIL LOADS OR AS OTHERWISE DETERMINED BY A LICENSED PROFESSIONAL ENGINEER. THE MATERIALS AND STRUCTURAL DESIGN OF THE DEVICES SHALL BE PER ASTM C857 AND ASTM C858.

48" HP MANHOLE STRUCTURES: MADE FROM AN IMPACT MODIFIED COPOLYMER POLYPROPYLENE MEETING THE MATERIAL REQUIREMENTS OF ASTM F2764. THE ECCENTRIC CONE REDUCER SHALL BE MANUFACTURED FROM POLYETHYLENE MATERIAL MEETING ASTM D3350 CELL CLASS 213320C. GASKETS SHALL BE MADE OF MATERIAL MEETING THE REQUIREMENTS OF ASTM F477.

SEPARATOR INTERNALS SHALL BE SUBSTANTIALLY CONSTRUCTED OF STAINLESS STEEL, POLYETHYLENE, OR OTHER THERMOPLASTIC MATERIAL APPROVED BY THE MANUFACTURER.

PERFORMANCE

THE STORMWATER TREATMENT UNIT SHALL BE AN INLINE UNIT CAPABLE OF CONVEYING 100% OF THE DESIGN PEAK FLOW. IF PEAK FLOW RATES EXCEED MAXIMUM HYDRAULIC RATE, THE UNIT SHALL BE INSTALLED OFFLINE.

THE STORMWATER TREATMENT UNIT INTERNALS SHALL CONSIST OF (1)SEPARATOR CONE ASSEMBLY, AND (1)SUMP ASSEMBLY WHICH INCLUDES(4) LEGS WITH "TEETH".

THE BARRACUDA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 80% OF THE SUSPENDED SOLIDS ON AN ANNUAL AGGREGATE REMOVAL BASIS. SAID REMOVAL SHALL BE BASED ON FULL-SCALE THIRD PARTY TESTING USING OK-110 MEDIA GRADATION OR EQUIVALENT AND 300 mg/L INFLUENT CONCENTRATION. SAID FULL SCALE TESTING SHALL HAVE INCLUDED SEDIMENT CAPTURE BASED ON ACTUAL TOTAL MASS COLLECTED BY THE STORMWATER TREATMENT UNIT.

-OR-

THE BARRACUDA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 50% OF TSS USING A MEDIA MIX WITH d_{50} =75 MICRON AND 200 MG/L INFLUENT CONCENTRATION.

-OR-

THE BARRACUDA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 50% OF TSS PER CURRENT NJDEP/NJCAT HDS PROTOCOL .

MANUFACTURER

EACH STORMWATER TREATMENT SYSTEM SHALL BE A BARRACUDA SYSTEM AS MANUFACTURED BY BAYSAVER, LLC, 1030 DEER HOLLOW DR., MOUNT AIRY, MD 21771, PHONE (301) 829-6470, FAX (301) 829-3747, TOLL FREE 1-800-229-7283 (1-800-BAYSAVER), EMAIL INFO@BAYSAVER.COM

BARRACUDA MAINTENANCE

BARRACUDA SYSTEMS MUST BE INSPECTED AND MAINTAINED PERIODICALLY. INSPECTION IS MADE BY CHECKING THE DEPTH OF SEDIMENT IN EACH MANHOLE WITH A GRADE STICK OR SIMILAR DEVICE. MAINTENANCE IS REQUIRED WHEN THE SEDIMENT DEPTH IN EXCEEDS 20 INCHES. MINIMUM INSPECTION IS RECOMMENDED TWICE A YEAR TO MAINTAIN OPERATION AND FUNCTION OF THE UNIT.

MAINTENANCE INSTRUCTIONS

1. REMOVE THE MANHOLE COVER TO PROVIDE ACCESS TO THE POLLUTANT STORAGE. POLLUTANTS ARE STORED IN THE SUMP, BELOW THE BOWL ASSEMBLY VISIBLE FROM THE SURFACE. YOU'LL ACCESS THIS AREA THROUGH THE 10" DIAMETER ACCESS CYLINDER.
2. USE A VACUUM TRUCK OR OTHER SIMILAR EQUIPMENT TO REMOVE ALL WATER, DEBRIS, OILS AND SEDIMENT.
3. USE A HIGH PRESSURE HOSE TO CLEAN THE MANHOLE OF ALL THE REMAINING SEDIMENT AND DEBRIS. THEN, USE THE VACUUM TRUCK TO REMOVE THE WATER.
4. FILL THE CLEANED MANHOLE WITH WATER UNTIL THE LEVEL REACHES THE INVERT OF THE OUTLET PIPE.
5. REPLACE THE MANHOLE COVER.
6. DISPOSE OF THE POLLUTED WATER, OILS, SEDIMENT AND TRASH AT AN APPROVED FACILITY.
 - LOCAL REGULATIONS PROHIBIT THE DISCHARGE OF SOLID MATERIAL INTO THE SANITARY SYSTEM. CHECK WITH THE LOCAL SEWER AUTHORITY FOR AUTHORITY TO DISCHARGE THE LIQUID.
 - SOME LOCALITIES TREAT THE POLLUTANTS AS LEACHATE. CHECK WITH LOCAL REGULATORS ABOUT DISPOSAL REQUIREMENTS.
 - ADDITIONAL LOCAL REGULATIONS MAY APPLY TO THE MAINTENANCE PROCEDURE.

BARRACUDA INSTALLATION NOTES

INSTALLATION OF THE STORMWATER TREATMENT UNIT(S) SHALL BE PERFORMED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. SUCH INSTRUCTIONS CAN BE OBTAINED BY CALLING ADVANCED DRAINAGE SYSTEMS AT (800) 821-6710 OR BY LOGGING ON TO WWW.ADS-PIPE.COM OR WWW.BAYSAVER.COM.

BAYSAVER BAYSEPARATOR SPECIFICATIONS

MATERIALS AND DESIGN

- A. CONCRETE STRUCTURES SHALL BE DESIGNED FOR H-20 TRAFFIC LOADING AND APPLICABLE SOIL LOADS OR AS OTHERWISE DETERMINED BY A LICENSED PROFESSIONAL ENGINEER. THE MATERIALS AND STRUCTURAL DESIGN OF THE DEVICES SHALL BE PER ASTM C857 AND ASTM C858.
 1. THE MINIMUM COMPRESSIVE STRENGTH OF THE CONCRETE IN THE MANHOLE BASE, RISER, AND TOP SECTIONS SHALL BE 4000 PSI.
 2. THE MINIMUM WALL THICKNESS SHALL BE ONE TWELFTH OF THE INTERNAL DIAMETER OF THE RISER OF LARGEST CONE DIAMETER.
 3. CEMENT SHALL CONFORM TO THE REQUIREMENTS FOR PORTLAND CEMENT OF SPECIFICATION C150.
 4. AGGREGATES SHALL CONFORM TO SPECIFICATION C33, EXCEPT THAT THE REQUIREMENT FOR GRADATION SHALL NOT APPLY.
 5. REINFORCEMENT SHALL CONSIST OF WIRE CONFORMING TO SPECIFICATION A82 OR SPECIFICATION A496, OF WIRE FABRIC CONFORMING TO SPECIFICATION A185 OR SPECIFICATION A497, OR OF BARS OF GRADE 40 STEEL CONFORMING TO SPECIFICATION A615/A615M.
 6. THE ACCESS COVER SHALL BE DESIGNED FOR HS20-44 TRAFFIC LOADING AND SHALL PROVIDE A MINIMUM 30 INCH CLEAR OPENING.
 7. ALL JOINTS SHALL BE WATERPROOF WITH WRAPPED GASKETS OR SEALED WITH A MASTIC TREATMENT.
 8. ANY GROUT USED WITHIN THE SYSTEM SHALL MEET THE ASTM C 1107 "STANDARD SPECIFICATION FOR PACKAGED DRY, HYDRAULIC-CEMENT GROUT (NON-SHRINK)". GRADES A, B AND C AT A POURABLE AND PLASTIC CONSISTENCY AT 70°F. CRD C 621 "CORPS OF ENGINEERS SPECIFICATION FOR NON-SHRINK GROUT."
 9. STORAGE MANHOLE CONNECTOR PIPES SHALL BE EQUIPPED WITH A SEAL GASKET THAT MEETS OR EXCEEDS MATERIAL SPECIFICATIONS OF ASTM C-923 OR OTHER LOCALLY APPROVED METHODS.
- B. THE SEPARATOR STRUCTURE SHALL BE SUBSTANTIALLY CONSTRUCTED OF HDPE OR EQUIVALENT CORROSION RESISTANT MATERIAL MEETING ASTM D330, ASTM F412, AND ASTM C-425.
- C. PIPES WITHIN THE UNIT, (I.E., TEE PIPES, CONNECTOR PIPES AND DOWN PIPES) SHALL BE CONSTRUCTED OF AT LEAST SDR 32.5 HDPE PIPE OF STANDARD ASTM F412.
- D. PIPE AND FITTING MATERIAL SHALL BE HIGH DENSITY POLYETHYLENE MEETING ASTM D330 MINIMUM CELL CLASSIFICATION 335400C FOR 24-INCH THROUGH 60-INCH DIAMETERS. THE 24- THROUGH 60-INCH PIPE MATERIAL SHALL BE SLOW CRACK RESISTANT HDPE MATERIAL, EVALUATED USING THE SINGLE POINT NOTCHED CONSTANT TENSILE LOAD (SP-NCTL) TEST.

PERFORMANCE

- A. THE STORMWATER TREATMENT UNIT SHALL BE AN ONLINE UNIT CAPABLE OF CONVEYING 100% OF THE DESIGN PEAK FLOW.
- B. THE BAYSEPARATOR UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 80% OF THE SUSPENDED SOLIDS LOAD ON AN ANNUAL AGGREGATE REMOVAL BASIS. SAID REMOVAL SHALL BE BASED ON FULL-SCALE THIRD PARTY TESTING USING F-95 MEDIA GRADATION (MANUFACTURED BY US SILICA) OR EQUIVALENT. SAID FULL SCALE TESTING SHALL HAVE INCLUDED SEDIMENT CAPTURE BASED ON ACTUAL TOTAL MASS COLLECTED BY THE STORMWATER TREATMENT UNIT(S).
- C. THE STORMWATER TREATMENT UNIT SHALL CONSIST OF ONE (1) PREFABRICATED SEPARATOR STRUCTURE, ONE (1) ONLINE COARSE SEDIMENT CAPTURE STRUCTURE, AND ONE (1) OFFLINE SEDIMENT AND FLOATABLE CAPTURE STRUCTURE. THE SEPARATOR STRUCTURE SHALL BE SUBSTANTIALLY CONSTRUCTED OF HDPE OR EQUIVALENT CORROSION RESISTANT MATERIAL. THE OFFLINE SEDIMENT STORAGE STRUCTURE MUST PROVIDE FOR OFFLINE SEDIMENT STORAGE OF SEDIMENTS AND FLOATABLES THAT ARE ISOLATED FROM HIGH INTENSITY STORMS.
- D. THE STORMWATER TREATMENT UNIT(S) HEAD LOSS AT THE PEAK DESIGN FLOW RATE SHALL NOT EXCEED THE HEAD LOSS SPECIFIED BY THE ENGINEER.
- E. THE UNIT SHALL BE DESIGNED TO REMOVE SEDIMENT PARTICLES AS WELL AS FLOATING OILS AND DEBRIS.

MANUFACTURER

- A. THE STORMWATER TREATMENT UNIT(S) SHALL BE OF A BASIC DESIGN THAT HAS BEEN INSTALLED AND USED SUCCESSFULLY FOR A MINIMUM OF 5 YEARS.
- B. EACH STORMWATER TREATMENT SYSTEM SHALL BE A BAYSEPARATOR SYSTEM AS MANUFACTURED BY BAYSAVER, LLC, 1030 DEER HOLLOW DR., MOUNT AIRY, MD 21771, PHONE (301) 829-6470, FAX (301) 829-3747, TOLL FREE 1-800-229-7283 (1-800-BAYSAVER), EMAIL INFO@BAYSAVER.COM PROTECTED UNDER US PATENT NUMBER 5746911

BAYSEPARATOR MAINTENANCE

BAYSEPARATOR SYSTEMS MUST BE INSPECTED AND MAINTAINED PERIODICALLY. INSPECTION IS MADE BY CHECKING THE DEPTH OF SEDIMENT IN EACH MANHOLE WITH A GRADE STICK OR SIMILAR DEVICE. MAINTENANCE IS REQUIRED WHEN THE SEDIMENT DEPTH IN EITHER MANHOLE EXCEEDS 2 FEET. MINIMUM INSPECTION IS RECOMMENDED TWICE A YEAR TO MAINTAIN OPERATION AND FUNCTION OF BAYSAVER.

MAINTENANCE CONSISTS OF THE FOLLOWING:

A. STORAGE MANHOLE

1. REMOVE THE ENTIRE VOLUME OF THE CONTAMINATED WATER BY VACUUM TRUCK.
2. CLEAN THE MANHOLE WALLS AND FLUSH OUT THE MANHOLE USING A HIGH PRESSURE HOSE AND REMOVE FLUSHING WATER BY VACUUM TRUCK. MAKE CERTAIN MANHOLE IS CLEAN.

B. PRIMARY MANHOLE

1. USING A SUBMERSIBLE PUMP, PUMP THE CLEAN WATER FROM THE CENTER OF THE MANHOLE DIRECTLY INTO THE EMPTY STORAGE MANHOLE UNTIL THE WATER LEVEL FALLS TO 1 FOOT ABOVE THE SEDIMENT LAYER.
2. REMOVE THE SETTLED SEDIMENT AND REMAINING WATER BY VACUUM TRUCK.
3. CLEAN THE MANHOLE WALLS AND FLUSH OUT THE MANHOLE USING A HIGH PRESSURE HOSE AND REMOVE FLUSHING WATER BY VACUUM TRUCK. MAKE CERTAIN MANHOLE IS CLEAN.
4. CONTAMINATED MATERIAL REMOVED FROM THE MANHOLES MUST BE DISPOSED OF RESPONSIBLY AND LEGALLY BY THE OPERATOR OF THE VACUUM TRUCK.

BAYSEPARATOR INSTALLATION NOTES

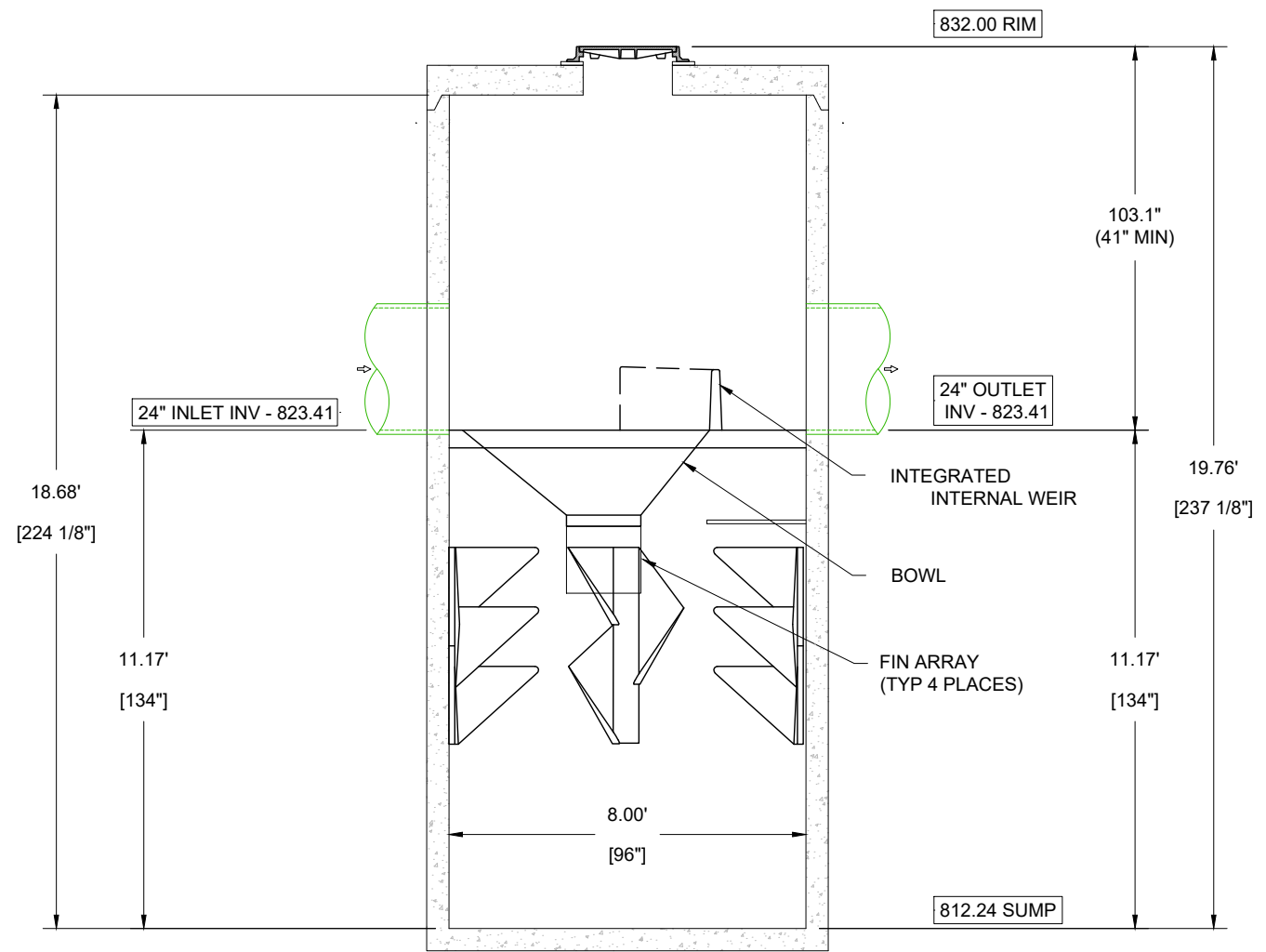
1. EXCAVATION MUST PROVIDE ADEQUATE SPACE TO CONNECT INLET AND OUTLET PIPES TO STORAGE MANHOLE AND BAYSEPARATOR UNIT. INSTALL PRECAST DROP STRUCTURES ON SOLID GROUND AS VERIFIED BY A GEOTECHNICAL ENGINEER.
2. VERIFY THE SUBGRADE ELEVATION AGAINST THE MANHOLE DIMENSIONS AND CONNECTING STORM DRAIN INVERTS.
3. MAKING SURE THE BASES ARE LEVEL AND THE STORAGE MANHOLE OPENINGS ARE ALIGNED WITH THE SEPARATOR UNIT, INSTALL PRIMARY AND STORAGE MANHOLES. INSTALL WATERTIGHT GASKETS ON BASE UNITS AND COAT WITH LUBRICATING GREASE (IF REQUIRED). INSTALL ADDITIONAL MANHOLE SECTIONS AS REQUIRED. SEAL LIFT HOLES WITH NON-SHRINK GROUT.
4. BACKFILL BASE SECTIONS OF MANHOLES TO INVERT OF STORAGE MANHOLE CONNECTING PIPES. USING APPROVED BACKFILL MATERIAL, BACKFILL AND COMPACT IN 8 INCH LIFTS. BACKFILL AND COMPACTION SHOULD BE MONITORED BY A GEOTECHNICAL ENGINEER.
5. INSTALL BAYSEPARATOR UNIT AND CONNECTING PIPES. SEAL ALL CONNECTING JOINTS AND INSTALL SEPARATOR HDPE REDUCER/ADAPTER. CUT EXCESS LENGTH OFF CONNECTING PIPES INSIDE STORAGE MANHOLE.
6. BACKFILL SEPARATOR UNIT AND MANHOLES. AREAS NOT ACCESSIBLE TO COMPACTION EQUIPMENT MUST BE BACKFILLED WITH #57, #7, OR PEA GRAVEL.
7. INSTALL AND SET MANHOLE COVER GRADE ADJUSTMENT RINGS AS NECESSARY.
8. INSTALL AND SET MANHOLE FRAME AND COVER UNITS.

PRODUCT SPECIFICATIONS

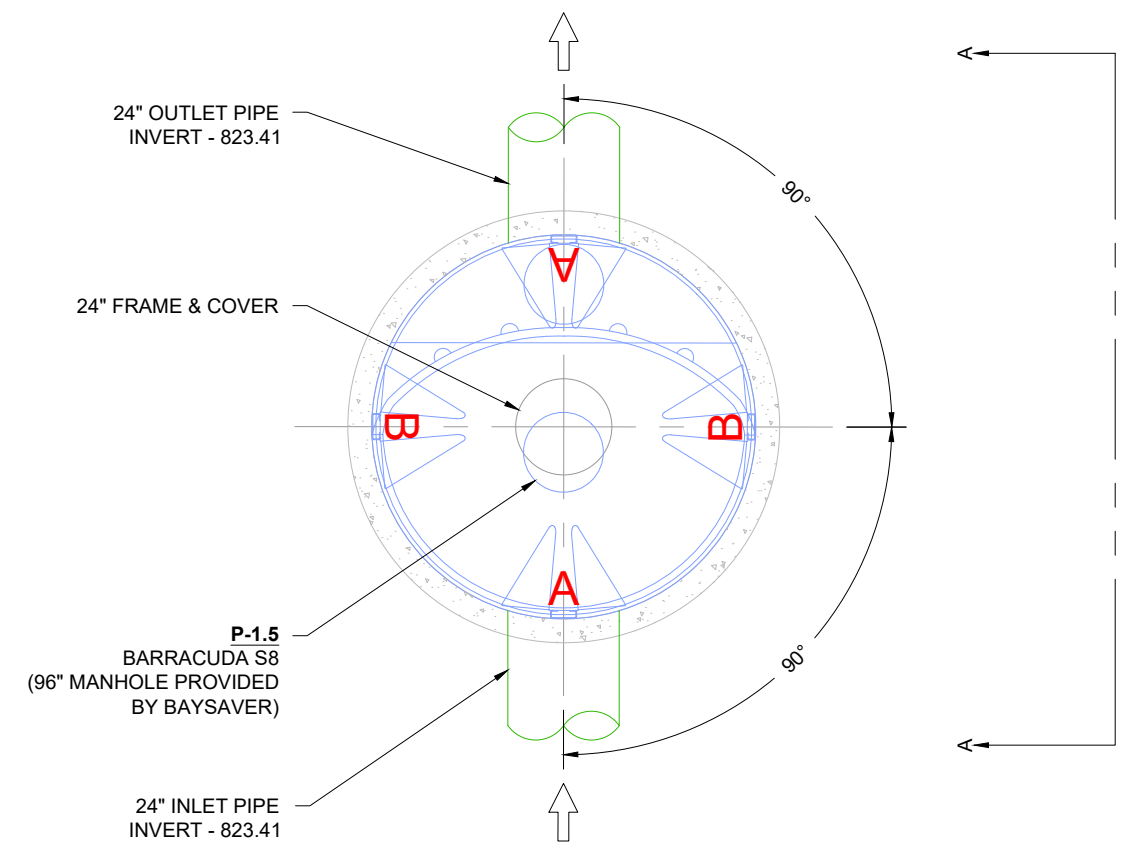
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- THE BARRACUDA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 80% OF THE SUSPENDED SOLIDS ON AN ANNUAL AGGREGATE REMOVAL BASIS. SAID REMOVAL SHALL BE BASED ON FULL-SCALE THIRD PARTY TESTING USING OK-110 MEDIA GRADATION OR EQUIVALENT AND 300 mg/L INFLUENT CONCENTRATION. SAID FULL SCALE TESTING SHALL HAVE INCLUDED SEDIMENT CAPTURE BASED ON ACTUAL TOTAL MASS COLLECTED BY THE STORMWATER TREATMENT UNIT.
 - OR-
 - THE BARRACUDA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 50% OF TSS USING A MEDIA MIX WITH d_{50} =75 MICRON AND 200 MG/L INFLUENT CONCENTRATION.
 - OR-
 - THE BARRACUDA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 50% OF TSS PER CURRENT NJDEP/NJCAT HDS PROTOCOL .

BARRACUDA S8	
UNIT ID	P-1.5
PEAK FLOW RATE (CFS)	**
TREATMENT FLOW RATE (CFS)	6.08

COURTESY PARKWAY EXPANSION			
ROCKDALE, GA			
DATE:	07/27/22	DRAWN:	JDL
PROJECT #:	S164122	CHECKED:	MDG



SECTION VIEW A-A
SCALE: 1/4" = 1'-0"



SITE SPECIFIC PLAN VIEW
SCALE: 1/4" = 1'-0"

DATE	DRWN	CHKD	DESCRIPTION
08/11/22	JDL	CJD	DESIGN UPDATES

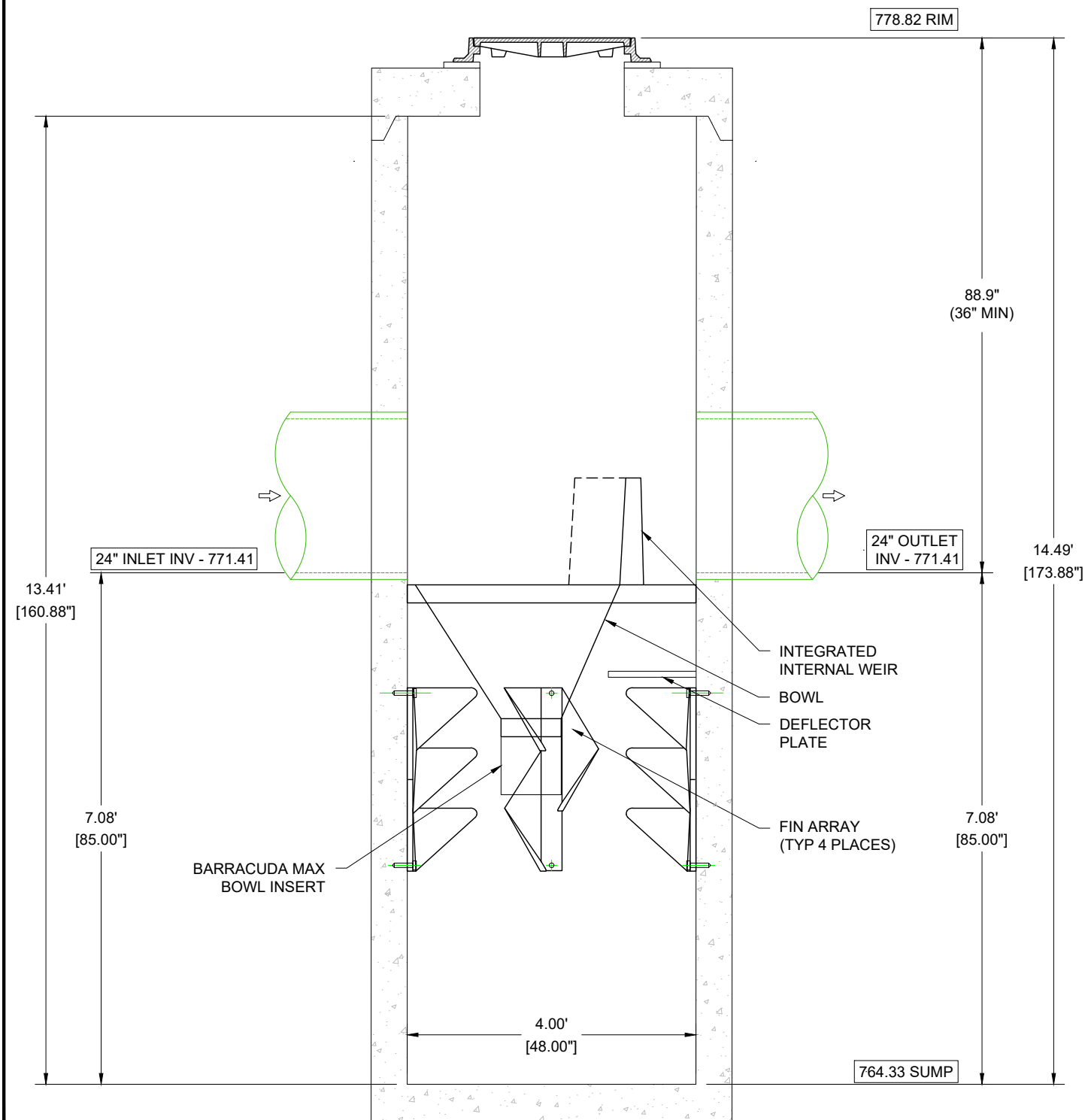
Barracuda Max
Stormwater Separator

ADS
4640 TRUEMAN BLVD
HILLIARD, OH 43026

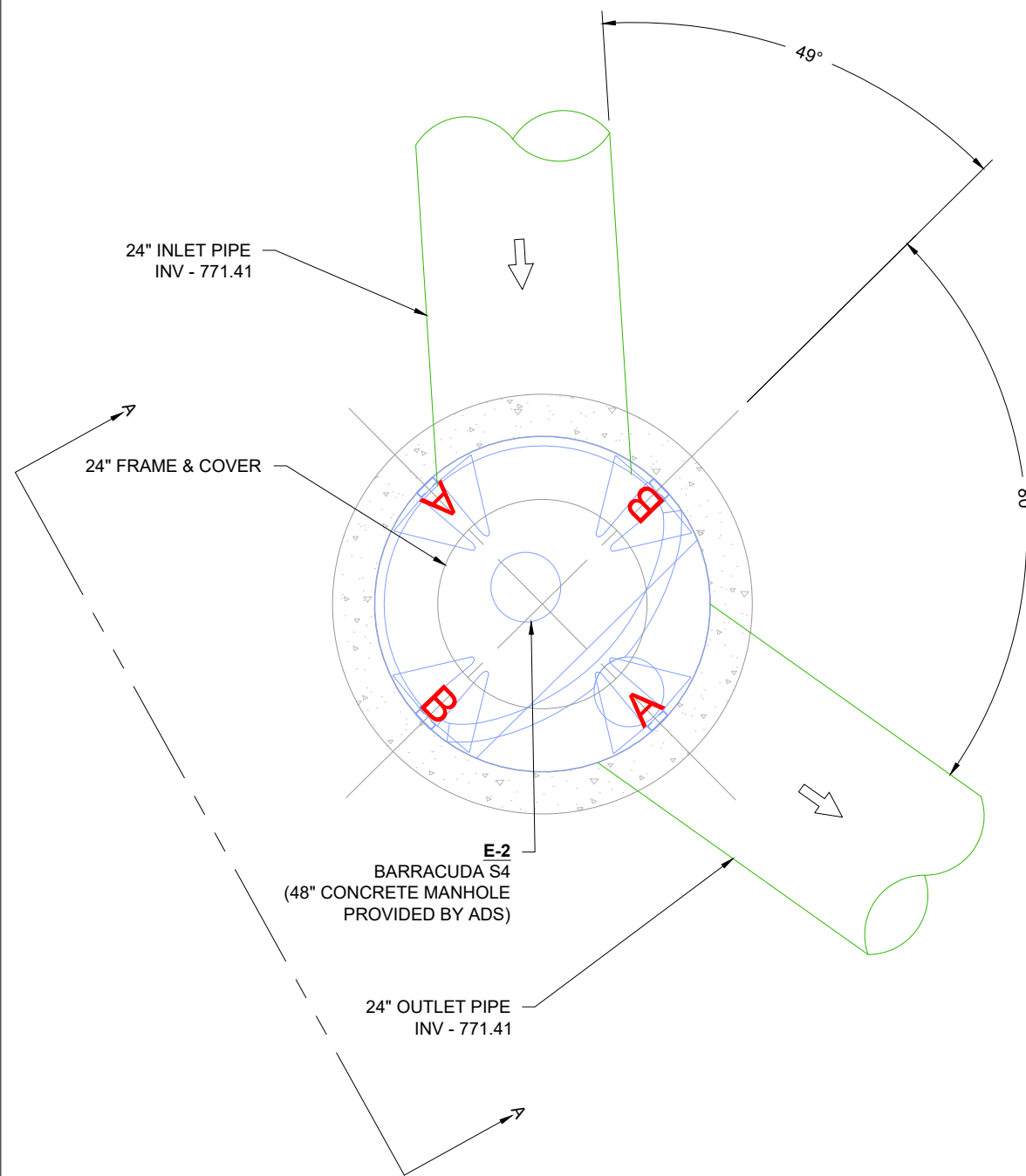
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PRODUCT SPECIFICATIONS

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SECTION VIEW A-A
SCALE: 1/2" = 1'-0"



SITE SPECIFIC PLAN VIEW
SCALE: 1/2" = 1'-0"

BARRACUDA MAX S4	
UNIT ID	E-2
PEAK FLOW RATE (CFS)	
TREATMENT FLOW RATE (CFS)	1.52

COURTESY PARKWAY EXPANSION			
ROCKDALE, GA			
DATE:	07/27/22	DRAWN:	JDL
PROJECT #:	S164122	CHECKED:	MDG

DATE	DRWN	CHKD	DESCRIPTION
08/11/22	JDL	CJD	DESIGN UPDATES

Barracuda Max
Stormwater Separator

4640 TRUEJMAN BLVD
HILLIARD, OH 43026

ADS

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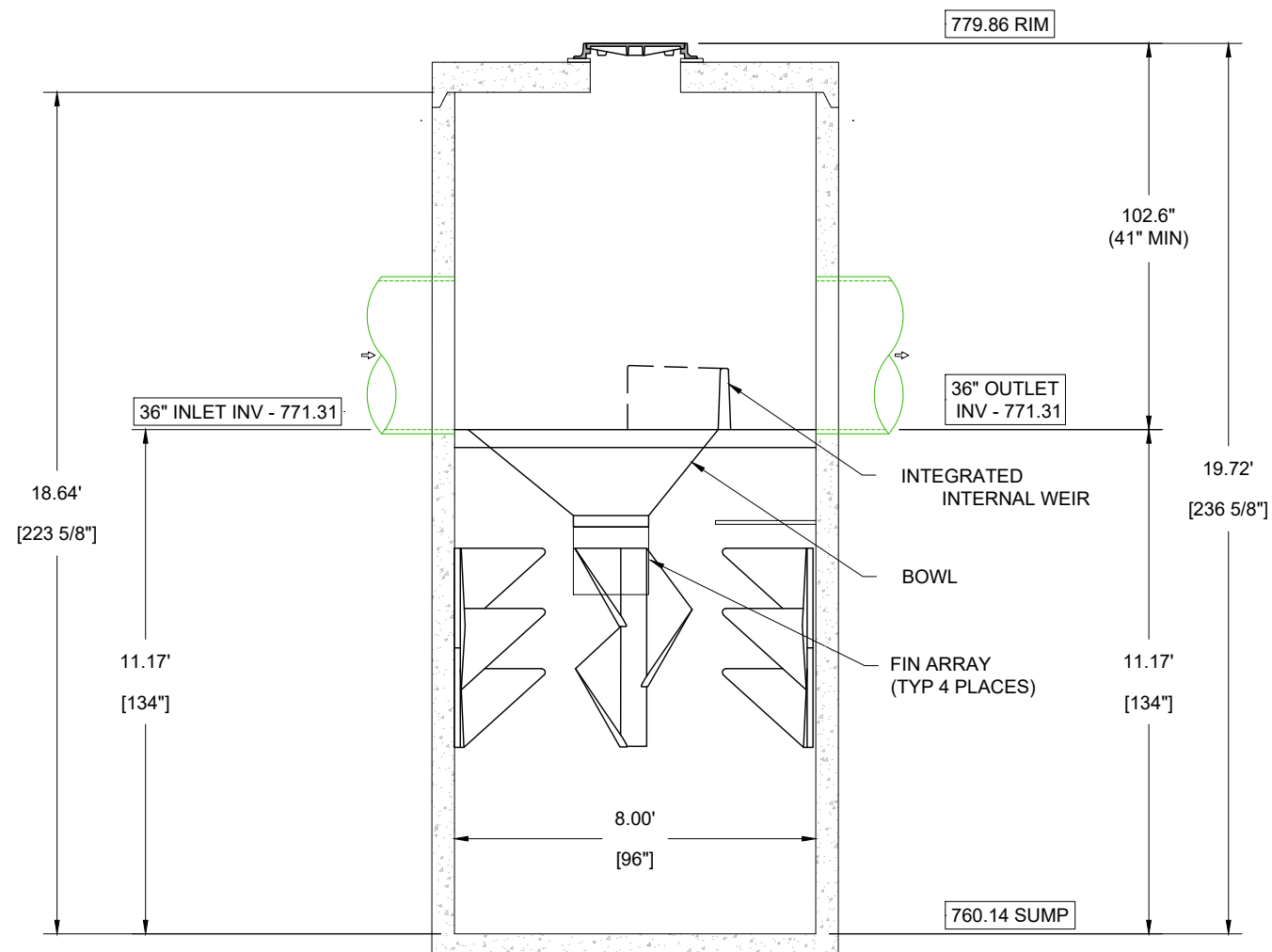
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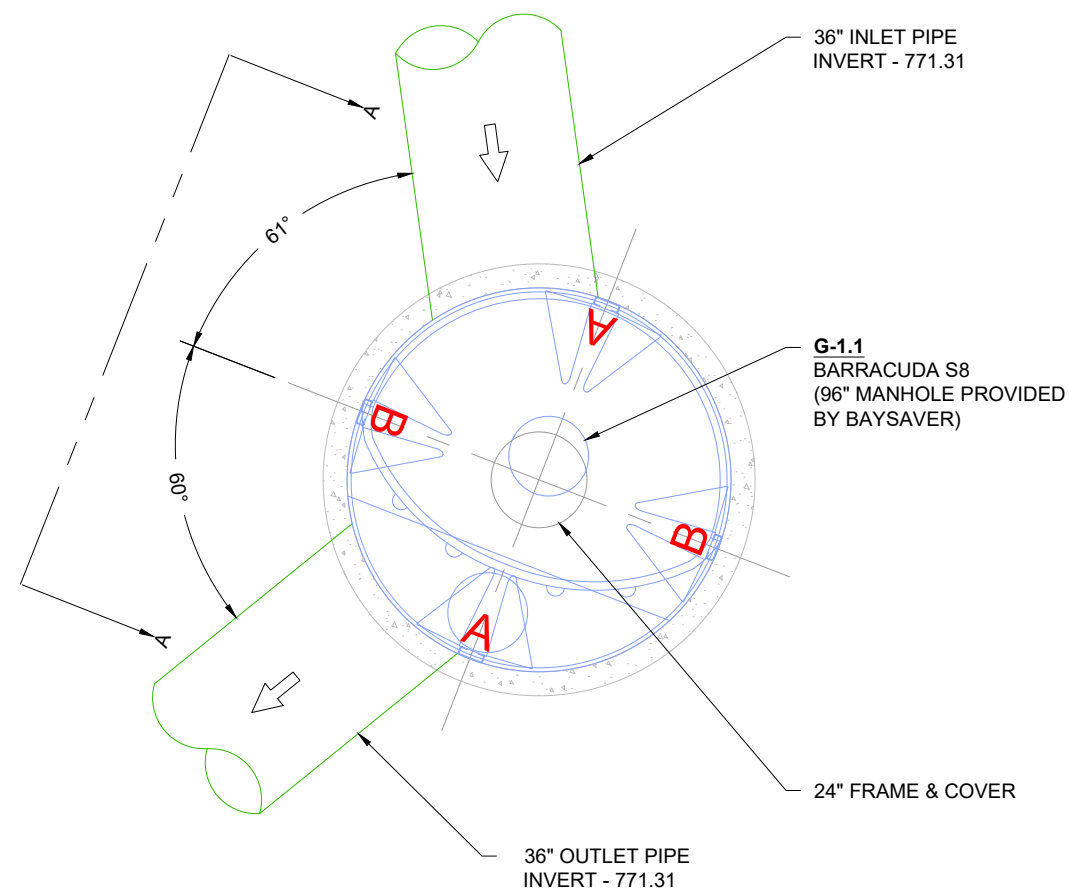
4 SHEET
OF 9

PRODUCT SPECIFICATIONS

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 - OR-
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 - OR-
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SECTION VIEW A-A
SCALE: 1/4" = 1'-0"



SITE SPECIFIC PLAN VIEW
SCALE: 1/4" = 1'-0"

BARRACUDA S8	
UNIT ID	G-1.1
PEAK FLOW RATE (CFS)	**
TREATMENT FLOW RATE (CFS)	6.08

COURTESY PARKWAY EXPANSION			
ROCKDALE, GA			
DATE:	07/27/22	DRAWN:	JDL
PROJECT #:	S164122	CHECKED:	MDG

DATE	DRWN	CHKD	DESCRIPTION
08/11/22	JDL	CJD	DESIGN UPDATES

Barracuda Max
Stormwater Separator

ADS
4640 TRUEMAN BLVD
HILLIARD, OH 43026

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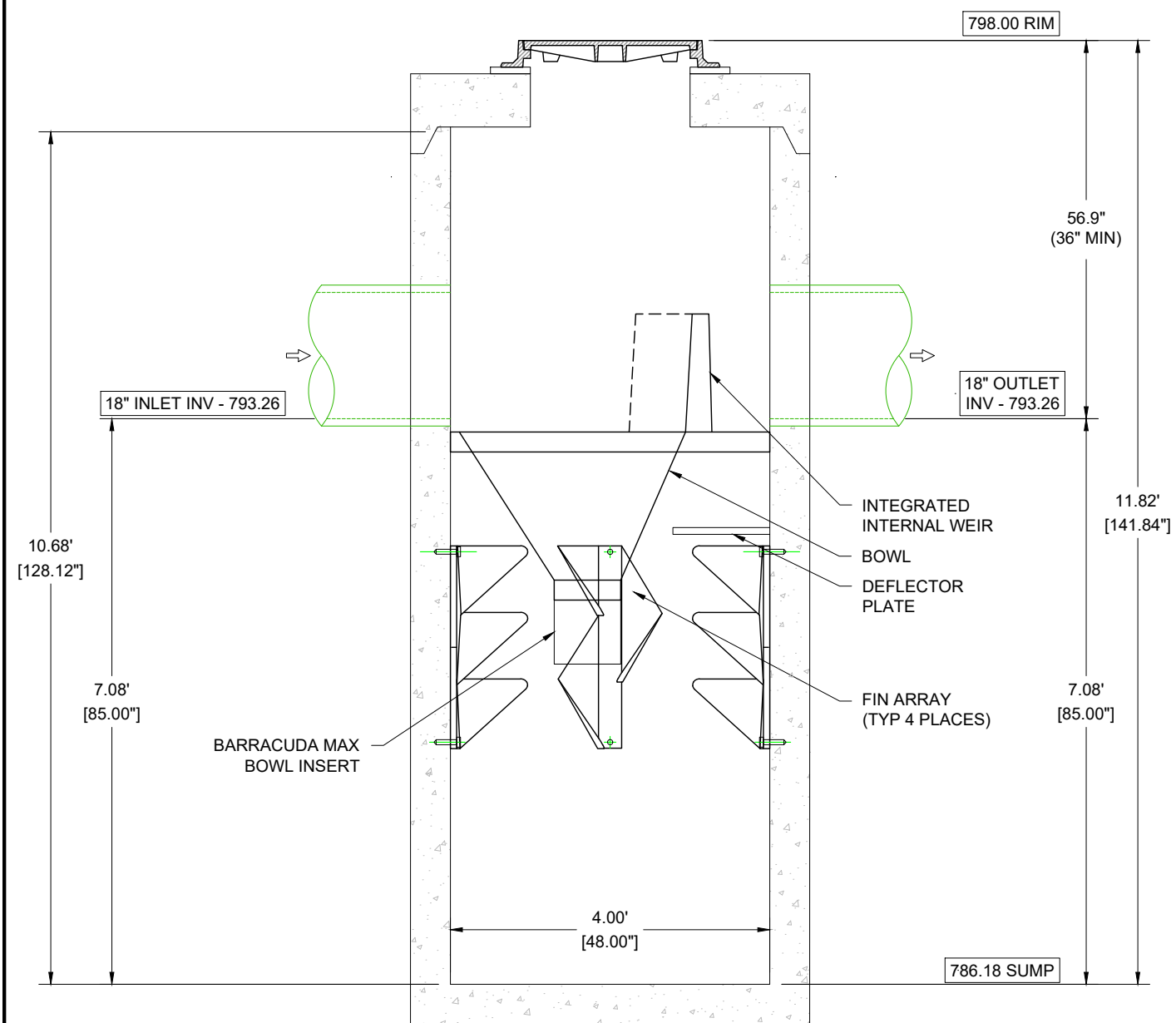
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PRODUCT SPECIFICATIONS

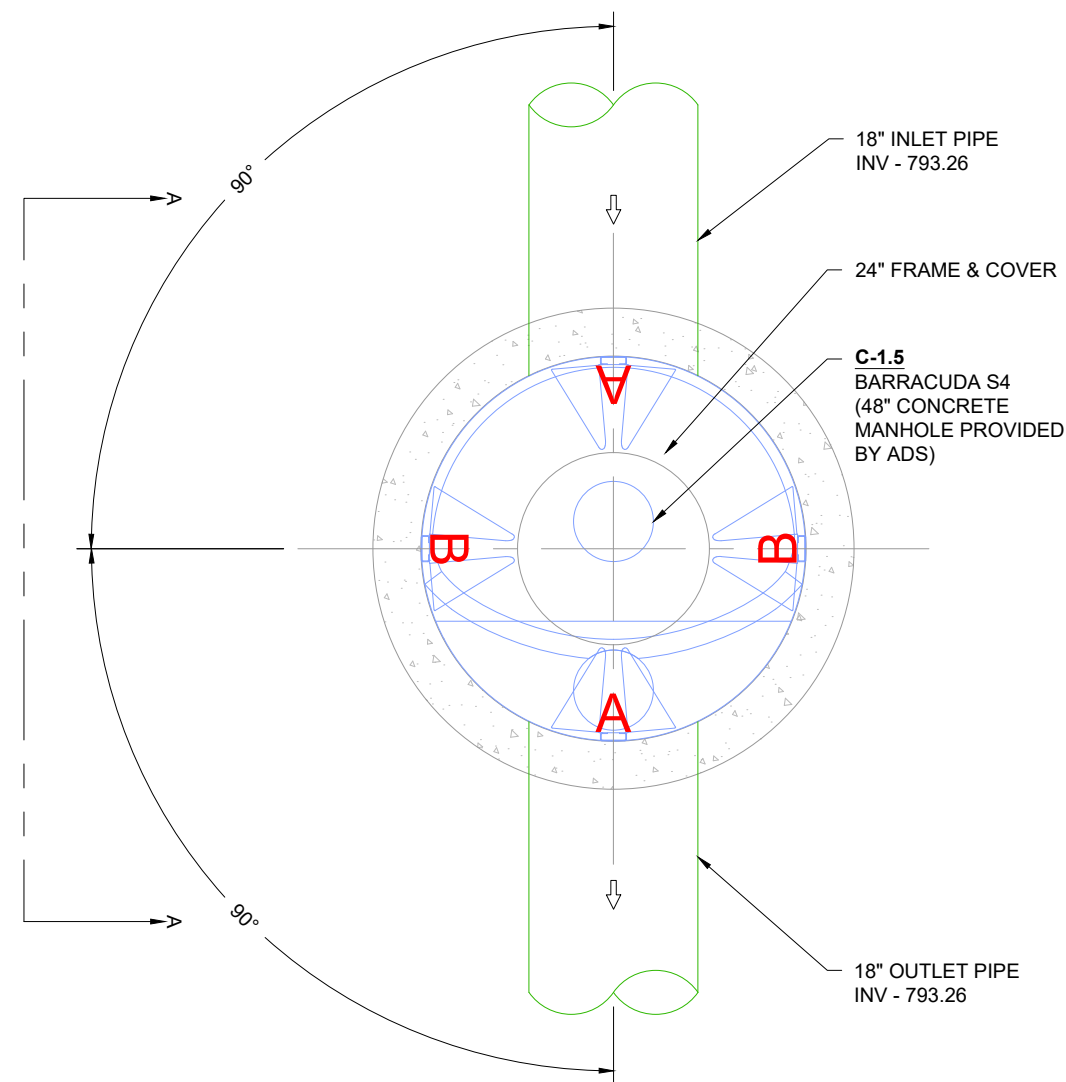
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BARRACUDA MAX S4	
UNIT ID	C-1.5
PEAK FLOW RATE (CFS)	
TREATMENT FLOW RATE (CFS)	1.52

COURTESY PARKWAY EXPANSION			
ROCKDALE, GA			
DATE:	07/27/22	DRAWN:	JDL
PROJECT #:	S164122	CHECKED:	MDG



SECTION VIEW A-A
SCALE: 1/2" = 1'-0"



SITE SPECIFIC PLAN VIEW
SCALE: 1/2" = 1'-0"

DATE	DRWN	CHKD	DESCRIPTION
08/11/22	JDL	CJD	DESIGN UPDATES

Barracuda Max
Stormwater Separator

4640 TRUEMAN BLVD
HILLIARD, OH 43026

ADS

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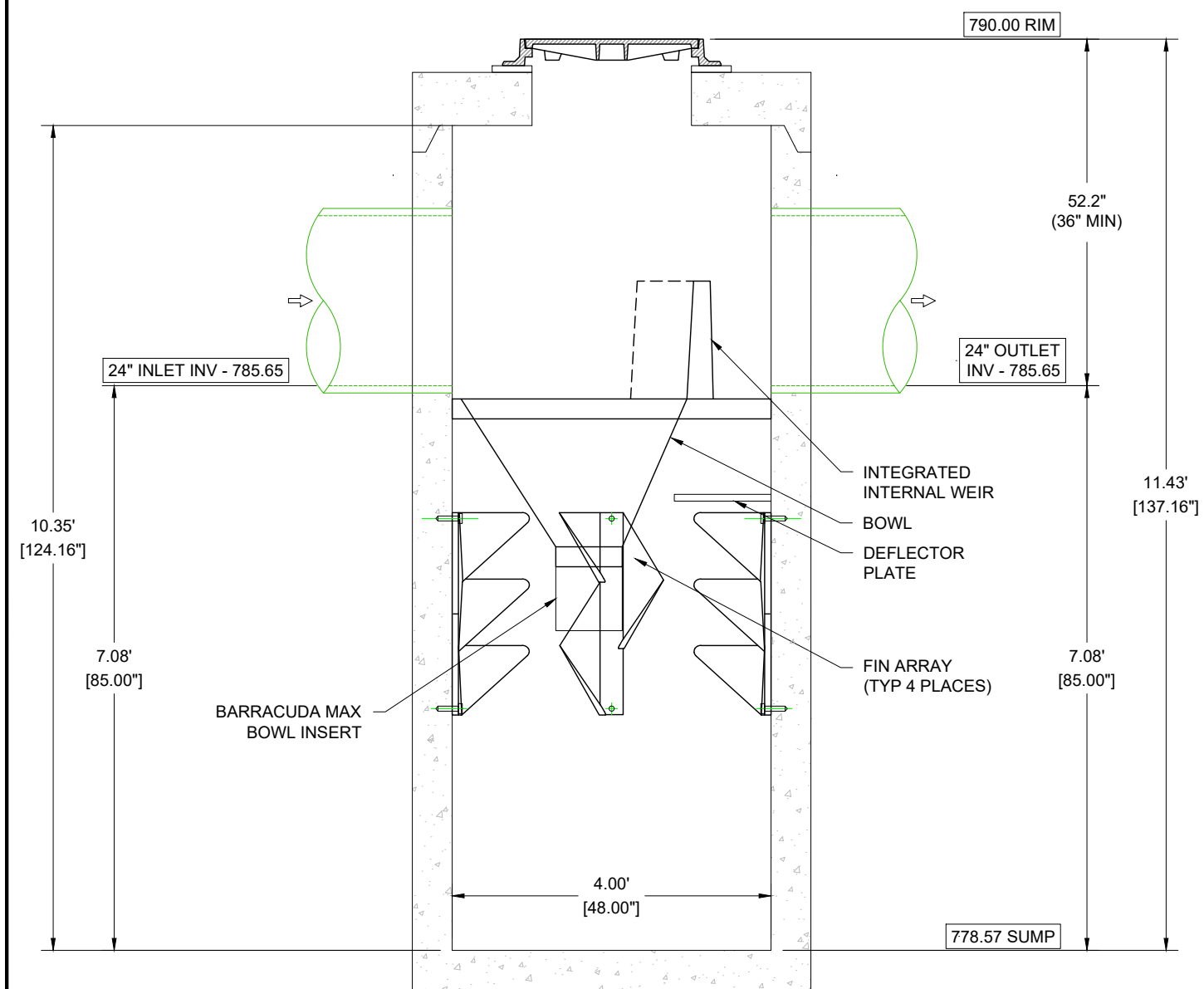
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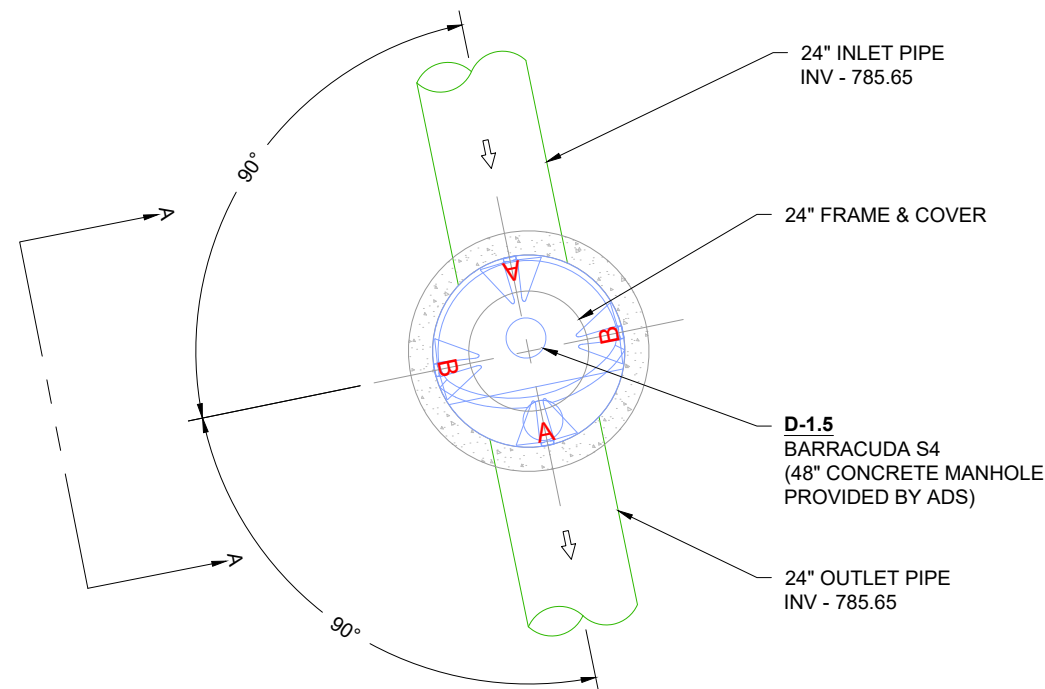
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BARRACUDA MAX S4	
UNIT ID	D-1.5
PEAK FLOW RATE (CFS)	
TREATMENT FLOW RATE (CFS)	1.52



SECTION VIEW A-A
SCALE: 1/2" = 1'-0"



SITE SPECIFIC PLAN VIEW
SCALE: 1/2" = 1'-0"

COURTESY PARKWAY EXPANSION

ROCKDALE, GA

DATE:	07/27/22	DRAWN:	JDL
PROJECT #:	S164122	CHECKED:	MDG

DATE	DRWN	CHKD	DESCRIPTION
08/11/22	JDL	CJD	DESIGN UPDATES

Barracuda Max
Stormwater Separator

4640 TRUEJMAN BLVD
HILLIARD, OH 43026



AS NOTED

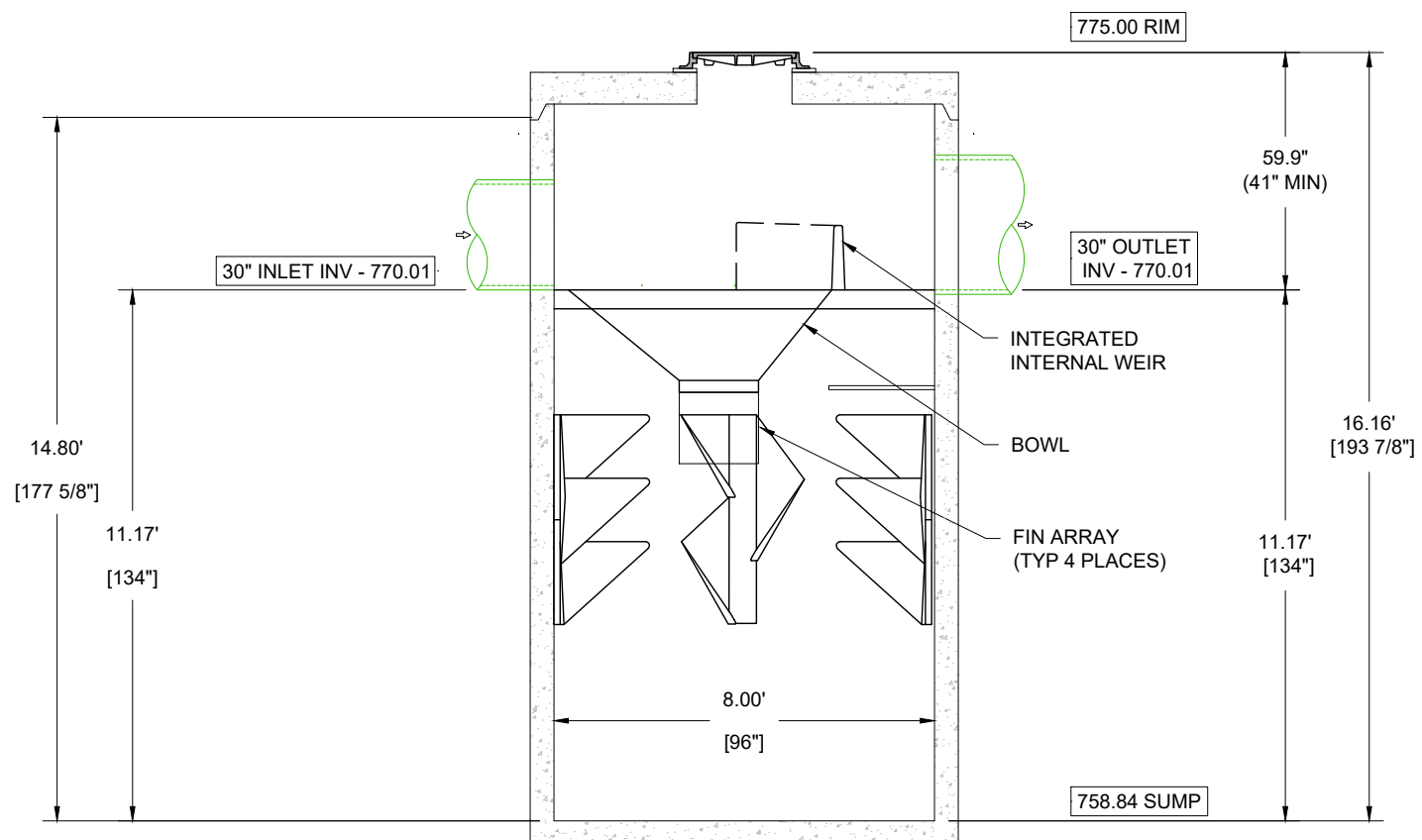
THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED TO ADS UNDER THE DIRECTION OF THE SITE DESIGN ENGINEER OR OTHER PROJECT REPRESENTATIVE. THE SITE DESIGN ENGINEER SHALL REVIEW THIS DRAWING PRIOR TO CONSTRUCTION. IT IS THE ULTIMATE RESPONSIBILITY OF THE SITE DESIGN ENGINEER TO ENSURE THAT THE PRODUCT(S) DEPICTED AND ALL ASSOCIATED DETAILS MEET ALL APPLICABLE LAWS, REGULATIONS, AND PROJECT REQUIREMENTS.

38-0007

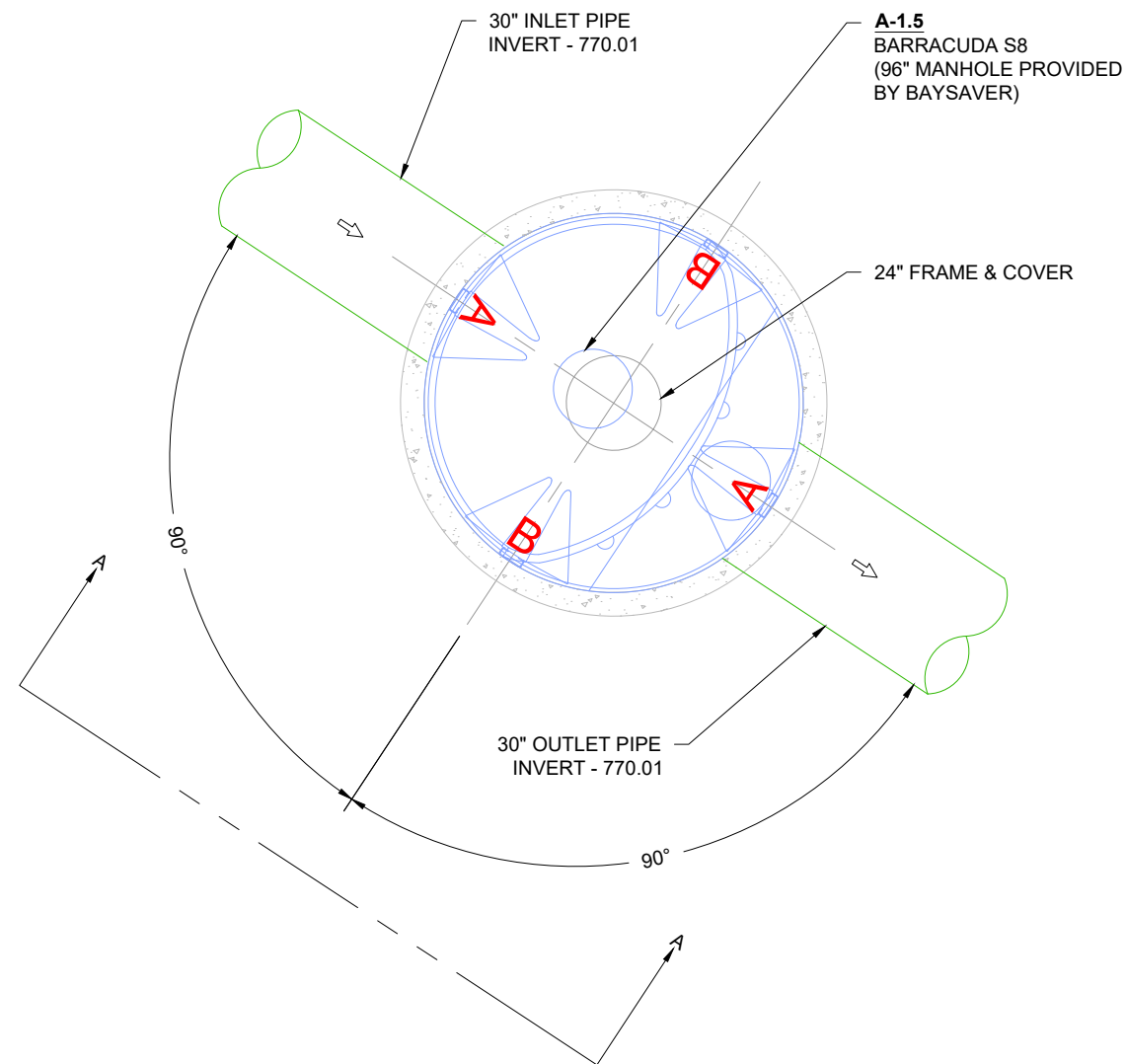
7 SHEET
OF 9

PRODUCT SPECIFICATIONS

- THE STORMWATER TREATMENT UNIT SHALL BE AN INLINE UNIT CAPABLE OF CONVEYING 100% OF THE DESIGN PEAK FLOW. IF PEAK FLOW RATES EXCEED MAXIMUM HYDRAULIC RATE, THE UNIT SHALL BE INSTALLED OFFLINE.
- THE BARRACUDA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 80% OF THE SUSPENDED SOLIDS ON AN ANNUAL AGGREGATE REMOVAL BASIS. SAID REMOVAL SHALL BE BASED ON FULL-SCALE THIRD PARTY TESTING USING OK-110 MEDIA GRADATION OR EQUIVALENT AND 300 mg/L INFLUENT CONCENTRATION. SAID FULL SCALE TESTING SHALL HAVE INCLUDED SEDIMENT CAPTURE BASED ON ACTUAL TOTAL MASS COLLECTED BY THE STORMWATER TREATMENT UNIT.
 - OR-
 - THE BARRACUDA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 50% OF TSS USING A MEDIA MIX WITH d_{50} =75 MICRON AND 200 MG/L INFLUENT CONCENTRATION.
 - OR-
 - THE BARRACUDA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 50% OF TSS PER CURRENT NJDEP/NJCAT HDS PROTOCOL .



SECTION VIEW A-A
SCALE: 1/4" = 1'-0"



DA-A1 SITE SPECIFIC PLAN VIEW
SCALE: 1/4" = 1'-0"

BARRACUDA S8	
UNIT ID	A-1.5
PEAK FLOW RATE (CFS)	**
TREATMENT FLOW RATE (CFS)	6.08

COURTESY PARKWAY EXPANSION			
ROCKDALE, GA			
DATE:	07/27/22	DRAWN:	JDL
PROJECT #:	S164122	CHECKED:	MDG

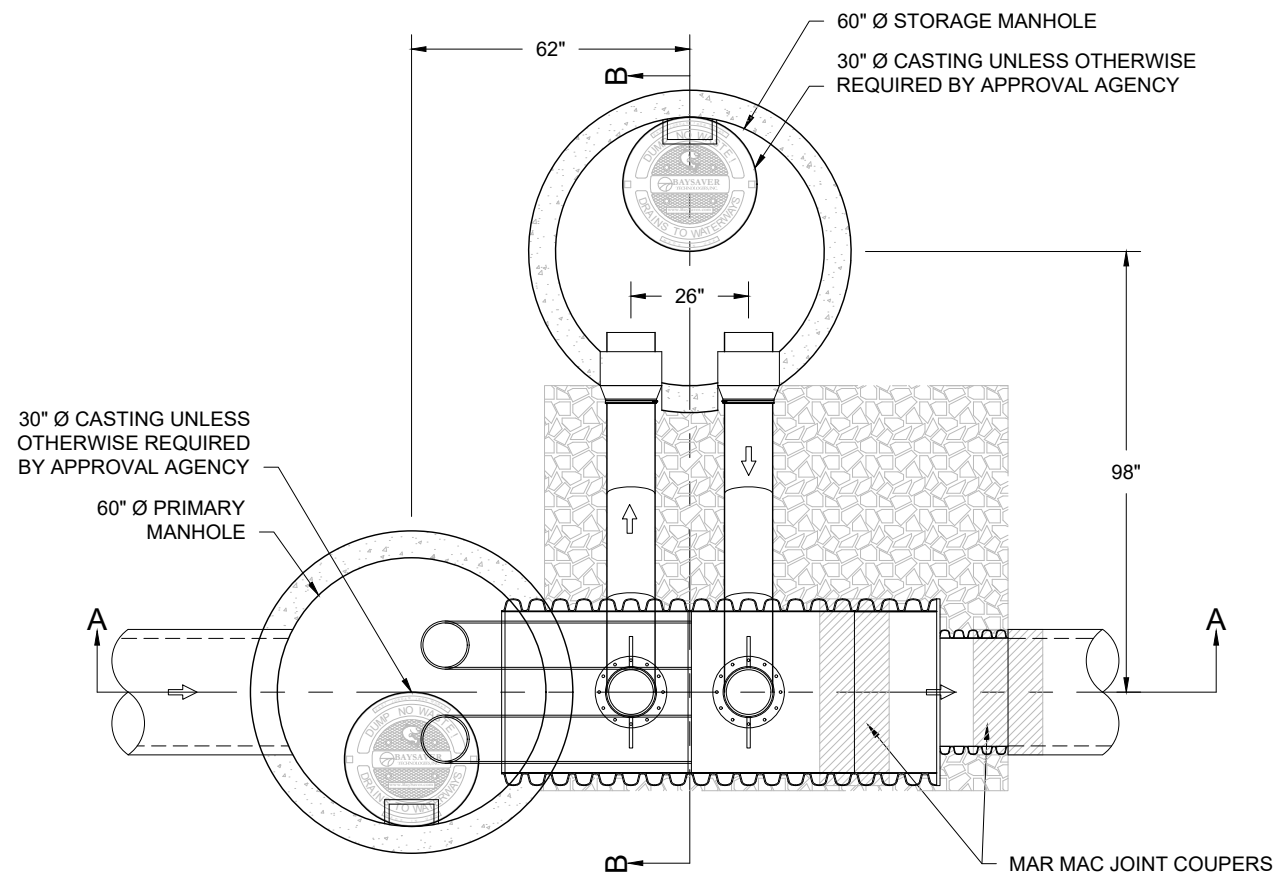
DATE	DRWN	CHKD	DESCRIPTION
08/11/22	JDL	CJD	DESIGN UPDATES

Barracuda Max
Stormwater Separator

ADS
4640 TRUEJMAN BLVD
HILLIARD, OH 43026

AS NOTED

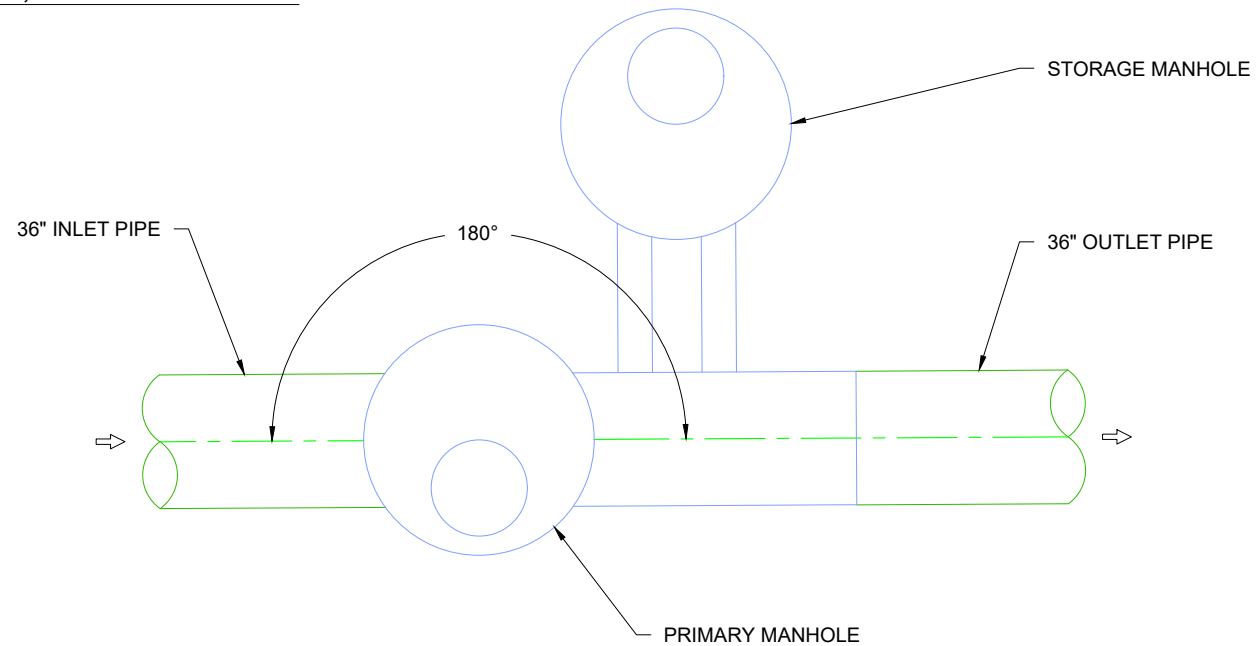
THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED TO ADS UNDER THE DIRECTION OF THE SITE DESIGN ENGINEER OR OTHER PROJECT REPRESENTATIVE. THE SITE DESIGN ENGINEER SHALL REVIEW THIS DRAWING PRIOR TO CONSTRUCTION. IT IS THE ULTIMATE RESPONSIBILITY OF THE SITE DESIGN ENGINEER TO ENSURE THAT THE PRODUCT(S) DEPICTED AND ALL ASSOCIATED DETAILS MEET ALL APPLICABLE LAWS, REGULATIONS, AND PROJECT REQUIREMENTS.



BAYSAYER BAYSEPARATOR 3K LEFT HAND UNIT

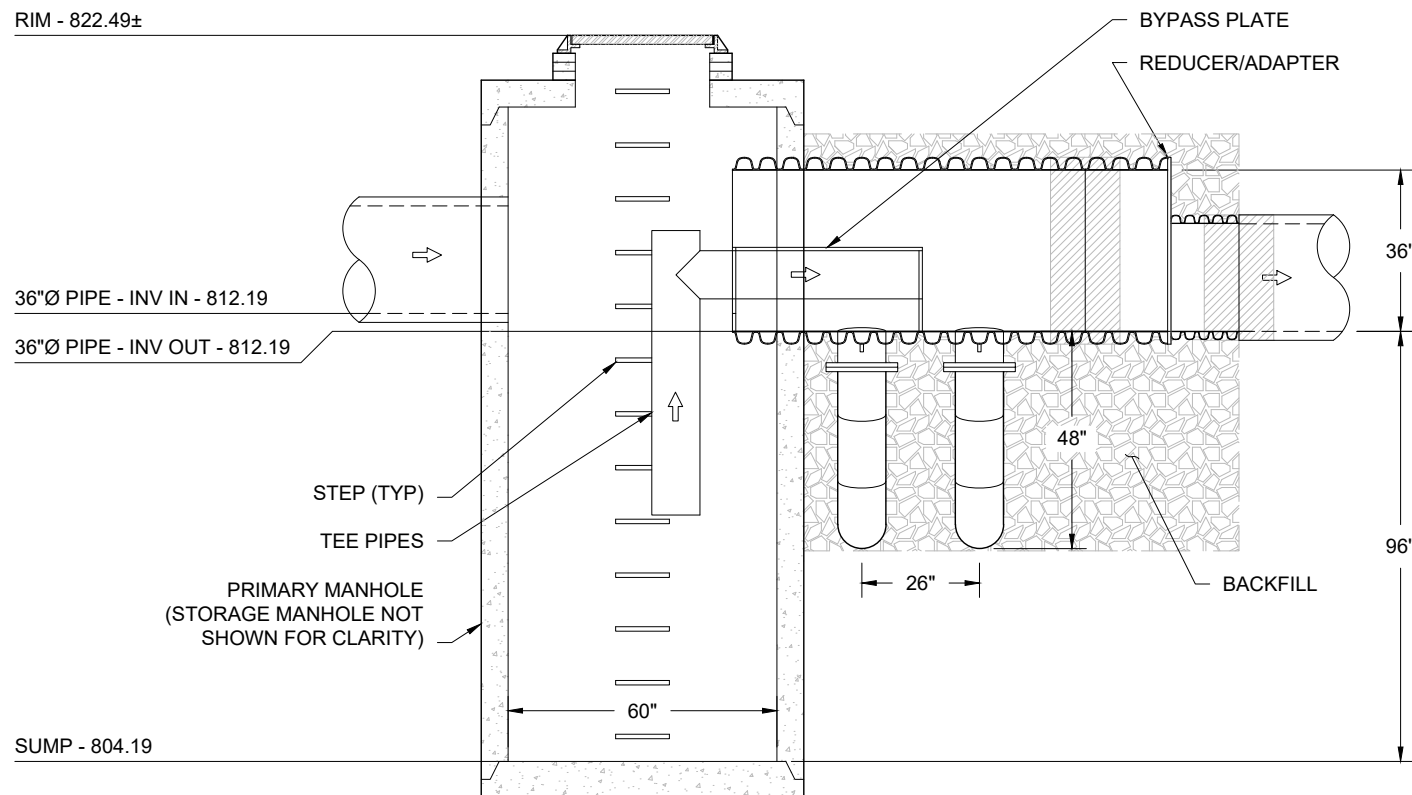
NTS

DA-8, STRUCTURE N-1



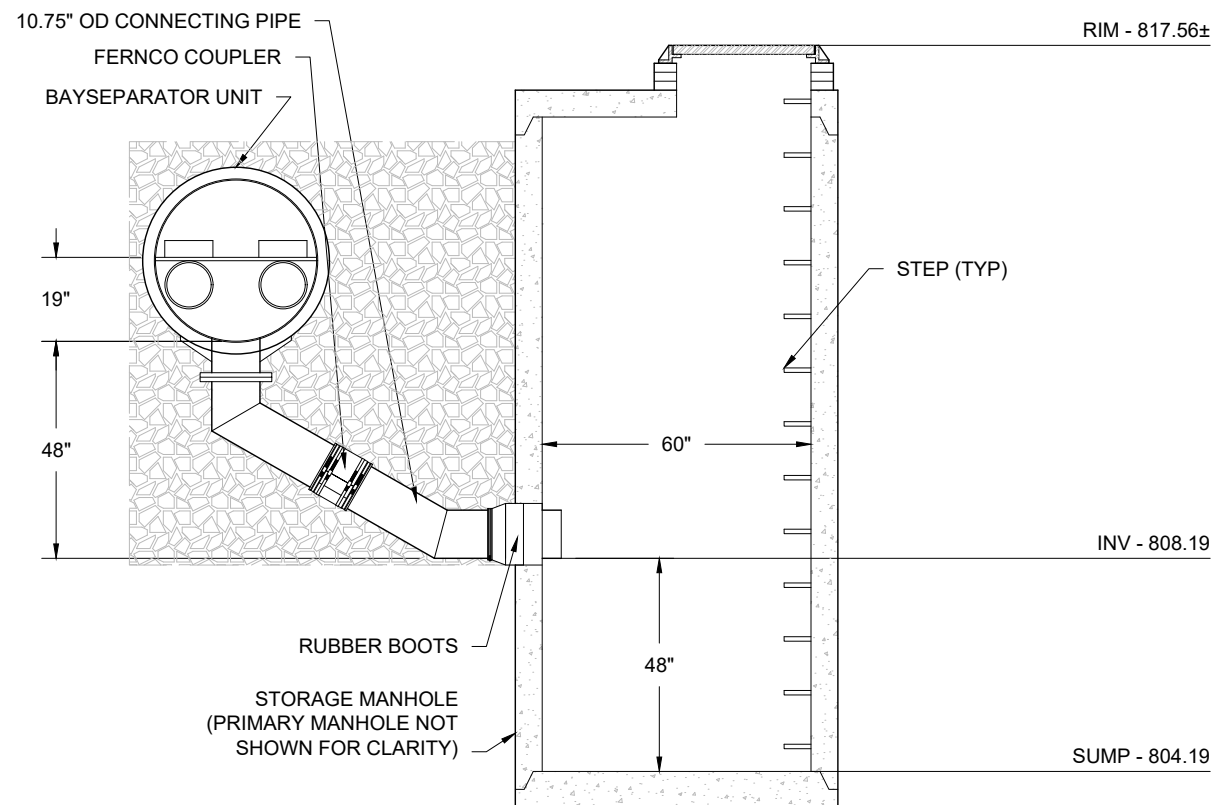
GENERAL NOTES:

1. MANHOLES SHOWN REPRESENT STANDARD PRECAST STRUCTURES PROVIDED BY OTHERS.
2. SEAL THE CONNECTING PIPES INTO THE STORAGE MANHOLE USING RUBBER BOOTS/GASKETS.
3. THE BAYSAYER SEPARATION SYSTEM INCLUDES THE SEPARATOR UNIT, (2) CONNECTING PIPES, (2) FERNCO COUPLERS,(1)
4. SEE BAYSAYER SPECIFICATIONS AND INSTALLATION INSTRUCTIONS FOR FURTHER DETAIL.
5. USE NON-SHRINK GROUT TO SEAL BAYSEPARATOR INTO THE PRIMARY MANHOLE.
6. BACKFILL: CLASS I, II OR III BACKFILL SHOULD BE USED TO AN ELEVATION OF AT LEAST 6" OVER THE CROWN OF THE SEPARATOR UNIT.
7. 12" COVER REQUIRED FOR TRAFFIC RATED SURFACE.
8. BAYSEPARATOR IS PROTECTED BY US PATENT NO. 5,746,911



PROFILE A-A

NTS



PROFILE B-B

NTS

COURTESY PARKWAY EXPANSION

DATE:	07/27/22	DRAWN:	JDL
PROJECT #:	S164122	CHECKED:	MDG

DATE	DATE	DATE	DATE	DESCRIPTION
08/11/22	JDL	CJD	DESIGN UPDATES	
	JDL	DRWN	CHKD	

BaySeparator
Stormwater Treatment System

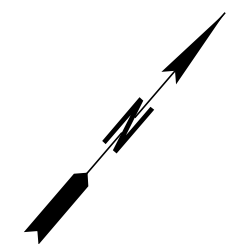
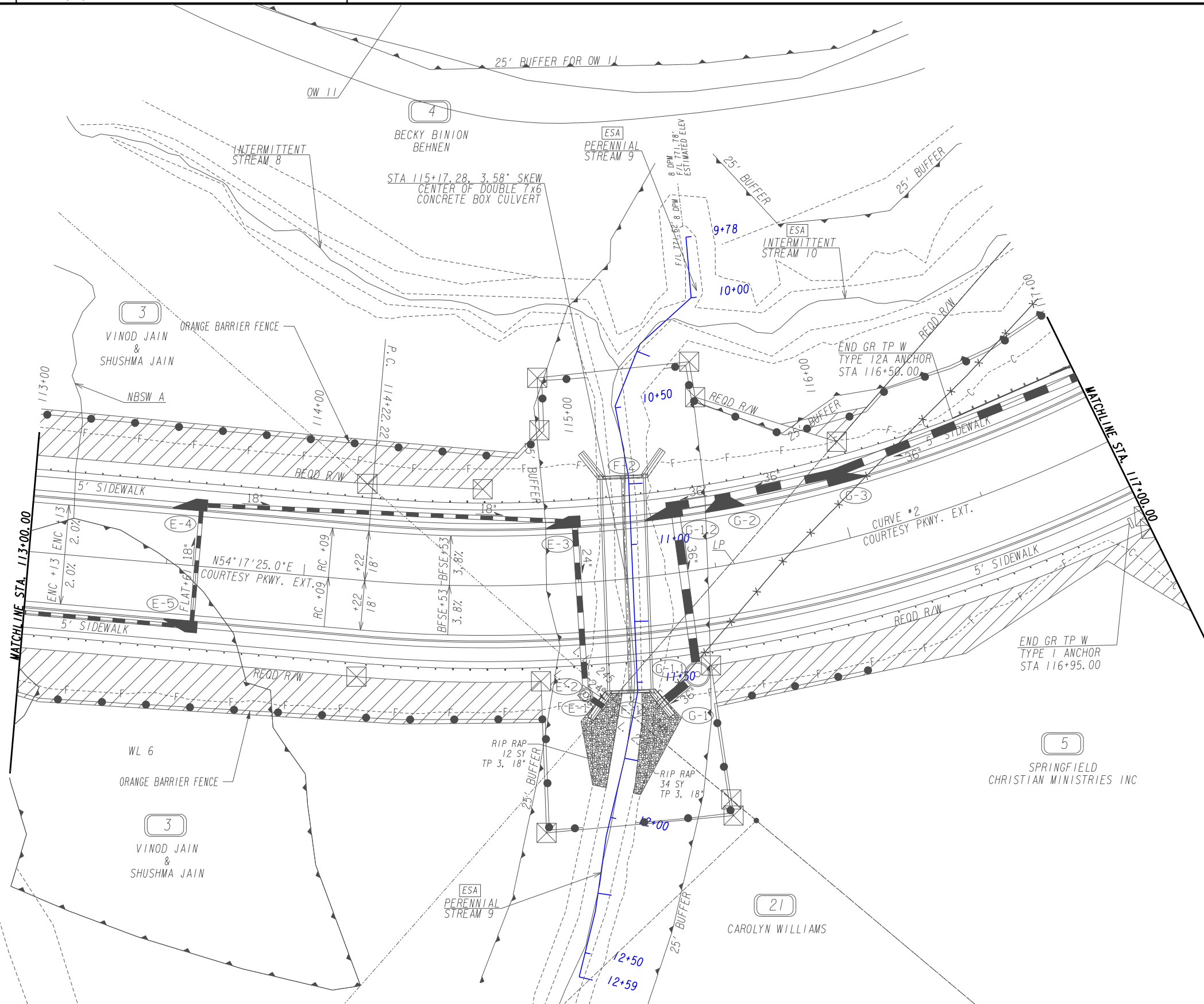
ADS
4640 TRUEMAN BLVD
HILLIARD, OH 43026

AS NOTED

THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED TO ADS UNDER THE DIRECTION OF THE SITE DESIGN ENGINEER OR OTHER PROJECT REPRESENTATIVE. THE SITE DESIGN ENGINEER SHALL REVIEW THIS DRAWING PRIOR TO CONSTRUCTION. IT IS THE ULTIMATE RESPONSIBILITY OF THE SITE DESIGN ENGINEER TO ENSURE THAT THE PRODUCT(S) DEPICTED AND ALL ASSOCIATED DETAILS MEET ALL APPLICABLE LAWS, REGULATIONS, AND PROJECT REQUIREMENTS.

38-0009

9 SHEET
OF 9

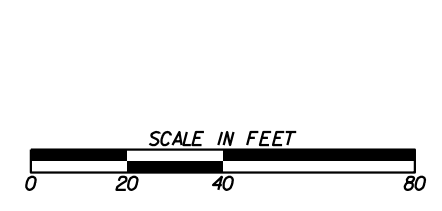


PROPERTY AND EXISTING R/W LINE	-----E-----
REQUIRED R/W LINE	-----F-----
CONSTRUCTION LIMITS	---C---F---
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF SLOPES	[Diagonal Hatched Box]
EASEMENT FOR CONSTR OF DRIVES	[Cross-hatched Box]

BEGIN LIMIT OF ACCESS.....BLA	---o---o---
END LIMIT OF ACCESS.....ELA	---iii---iii---
LIMIT OF ACCESS	---iii---iii---
REQ'D R/W & LIMIT OF ACCESS	---o---o---
ORANGE BARRIER FENCE	---●---●---
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	---▼---▼---

ATLAS

2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945



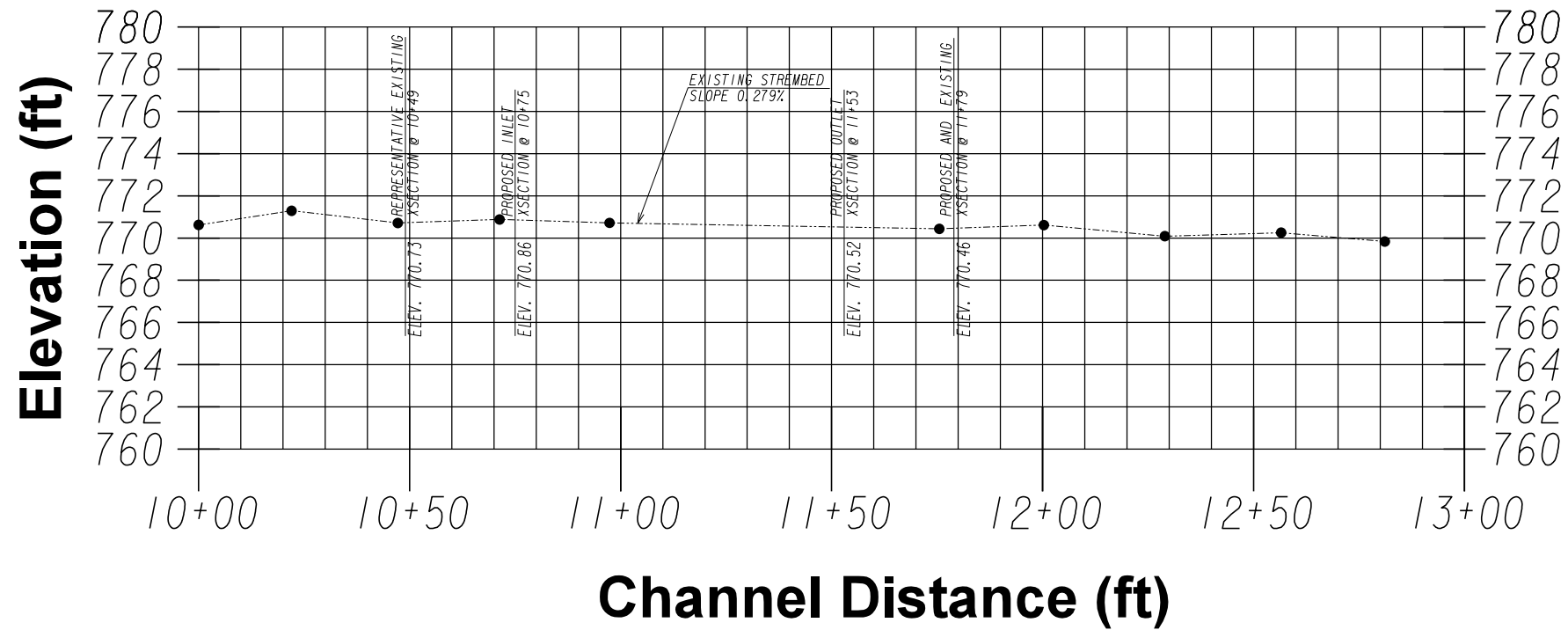
REVISION DATES	

404 PERMIT PLAN INFORMATION
COURTESY PARKWAY EXTENSION
ROCKDALE COUNTY

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	39-0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	

PI 0006934, PERENNIAL STREAM 9 COURTESY PARKWAY EXTENSION

EXISTING LONGITUDINAL PROFILE



(See Sheet 39-0001 for Stream Location)



REVISION DATES

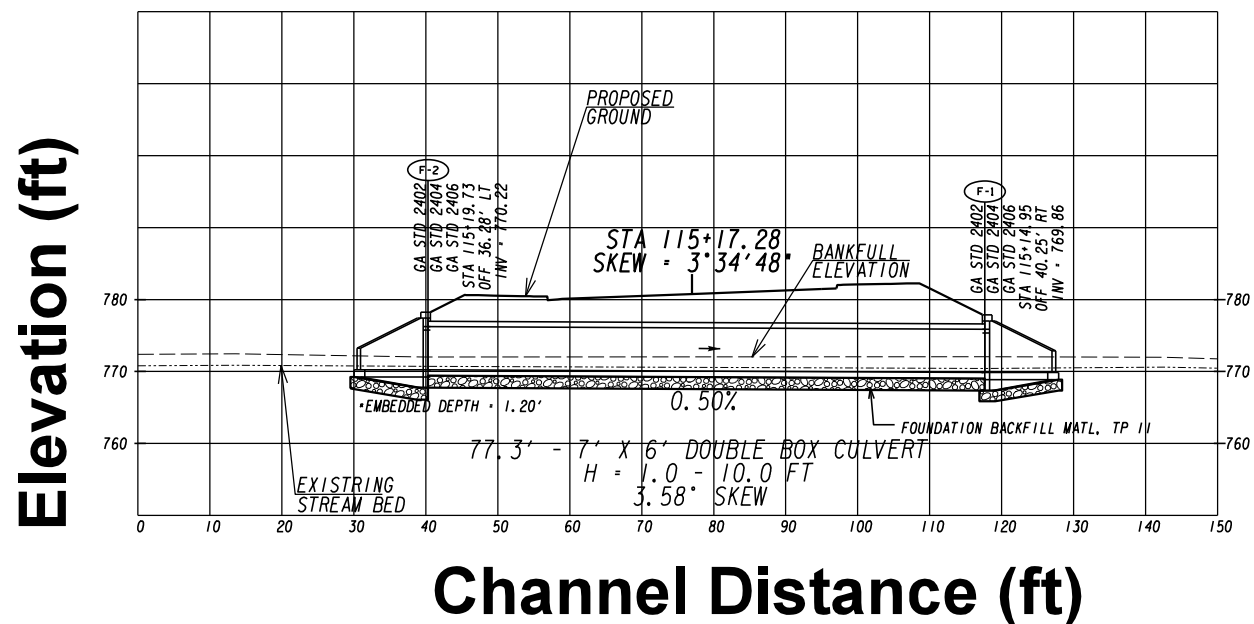
NO.	DATE	DESCRIPTION

404 PERMIT PLAN INFORMATION
COURTESY PARKWAY EXTENSION
ROCKDALE COUNTY

CHECKED:	DATE:	DRAWING No.
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CORRECTED:	DATE:	
VERIFIED:	DATE:	

PI 0006934, PERENNIAL STREAM 9 COURTESY PARKWAY EXTENSION

PROPOSED LONGITUDINAL PROFILE

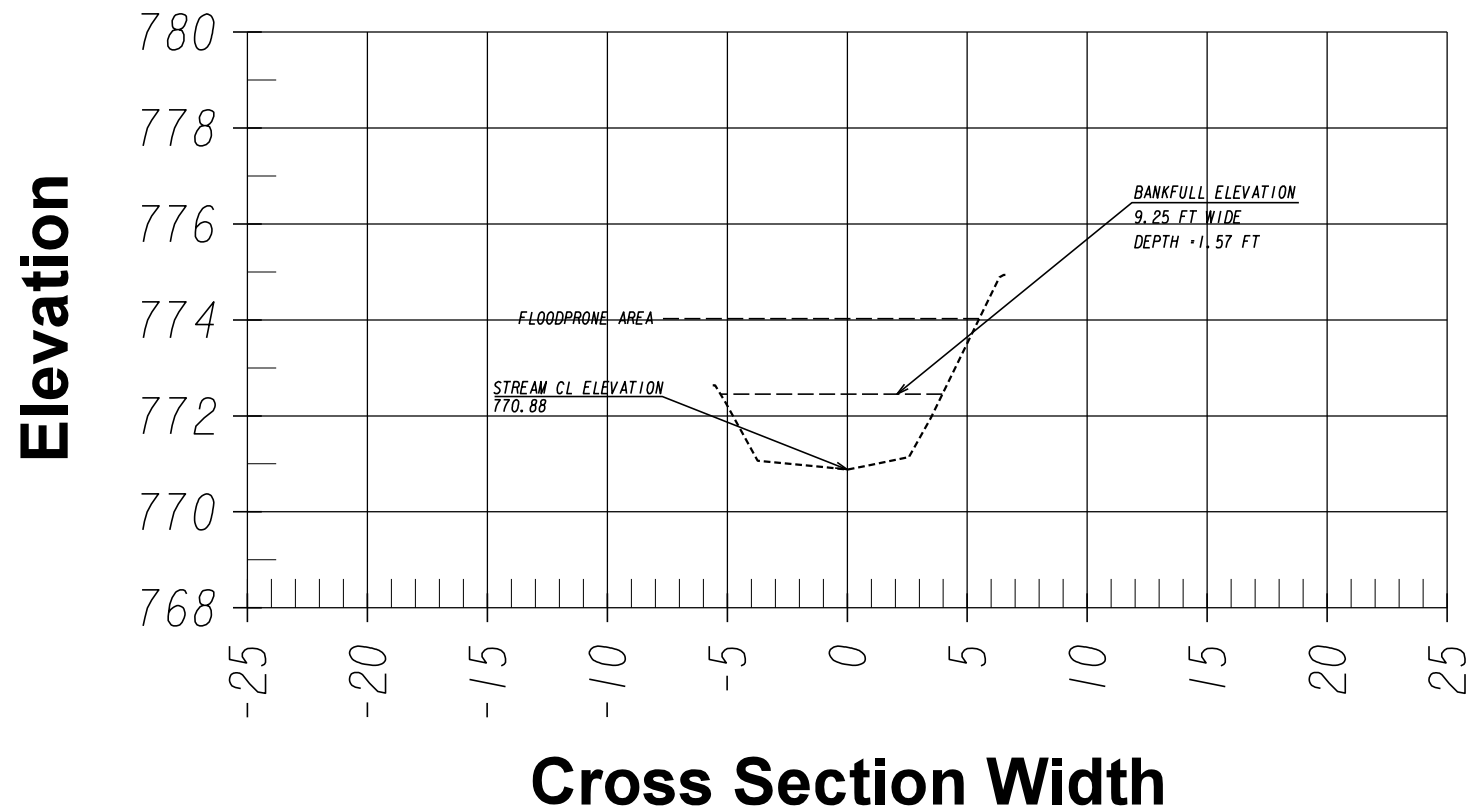


(See Sheet 39-0001 for Stream Location)



REVISION DATES		404 PERMIT PLAN INFORMATION	
		COURTESY PARKWAY EXTENSION	
		ROCKDALE COUNTY	
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CORRECTED:	DATE:		
VERIFIED:	DATE:		

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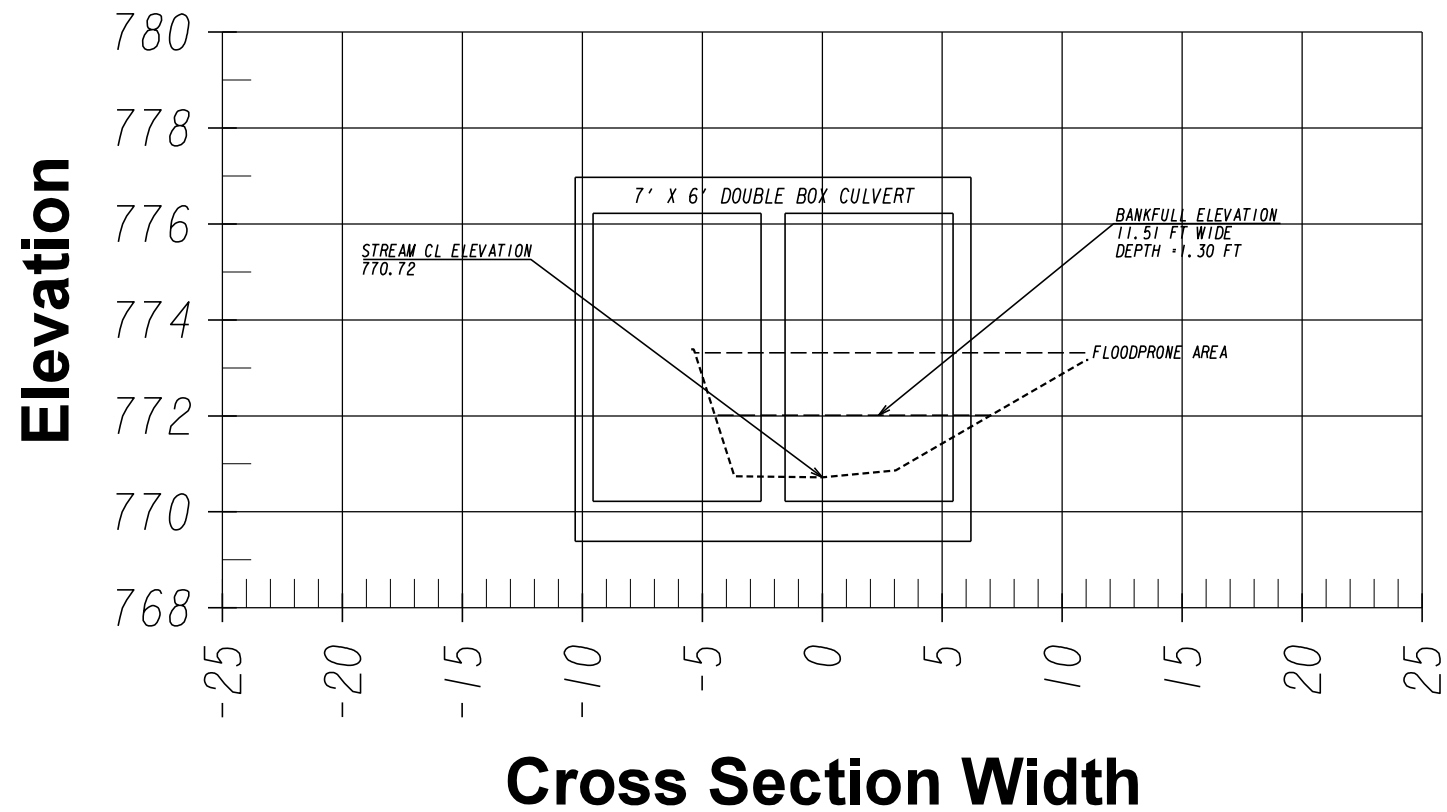


Representative Cross Section @ Approx 26 ft Upstream STA 10+49



REVISION DATES		404 PERMIT PLAN INFORMATION	
		COURTESY PARKWAY EXTENSION	
		ROCKDALE COUNTY	
CHECKED:	DATE:	DRAWING No.	
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CORRECTED:	DATE:		
VERIFIED:	DATE:		

PI 0006934, PERENNIAL STREAM 9 COURTESY PARKWAY EXTENSION

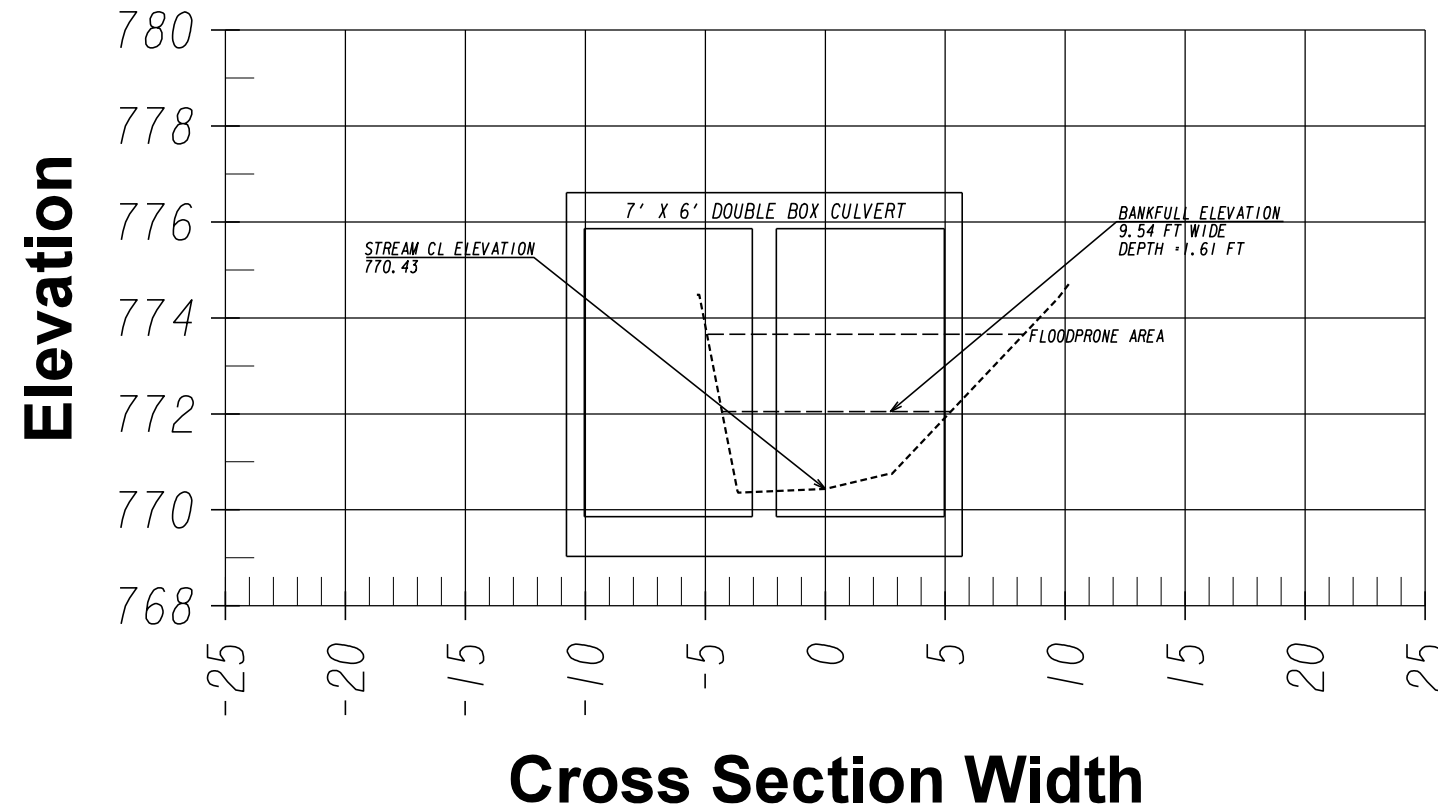


Cross Section @ Proposed Inlet STA 10+75



REVISION DATES		404 PERMIT PLAN INFORMATION	
		COURTESY PARKWAY EXTENSION	
		ROCKDALE COUNTY	
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	39-0005	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

PI 0006934, PERENNIAL STREAM 9 COURTESY PARKWAY EXTENSION

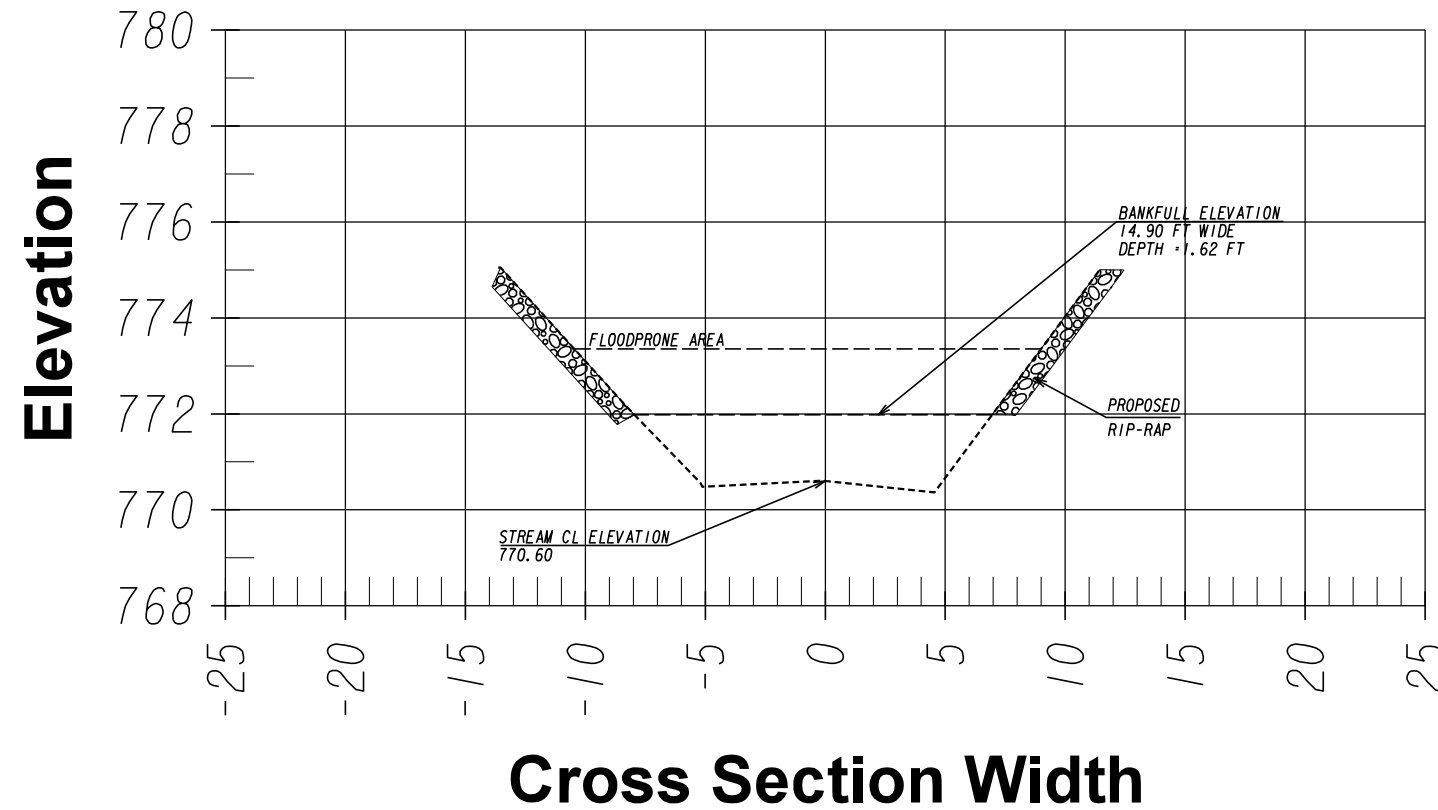


Cross Section @ Proposed Outlet STA 11+53



REVISION DATES		404 PERMIT PLAN INFORMATION	
		COURTESY PARKWAY EXTENSION	
		ROCKDALE COUNTY	
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	39-0006	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

PI 0006934, PERENNIAL STREAM 9 COURTESY PARKWAY EXTENSION

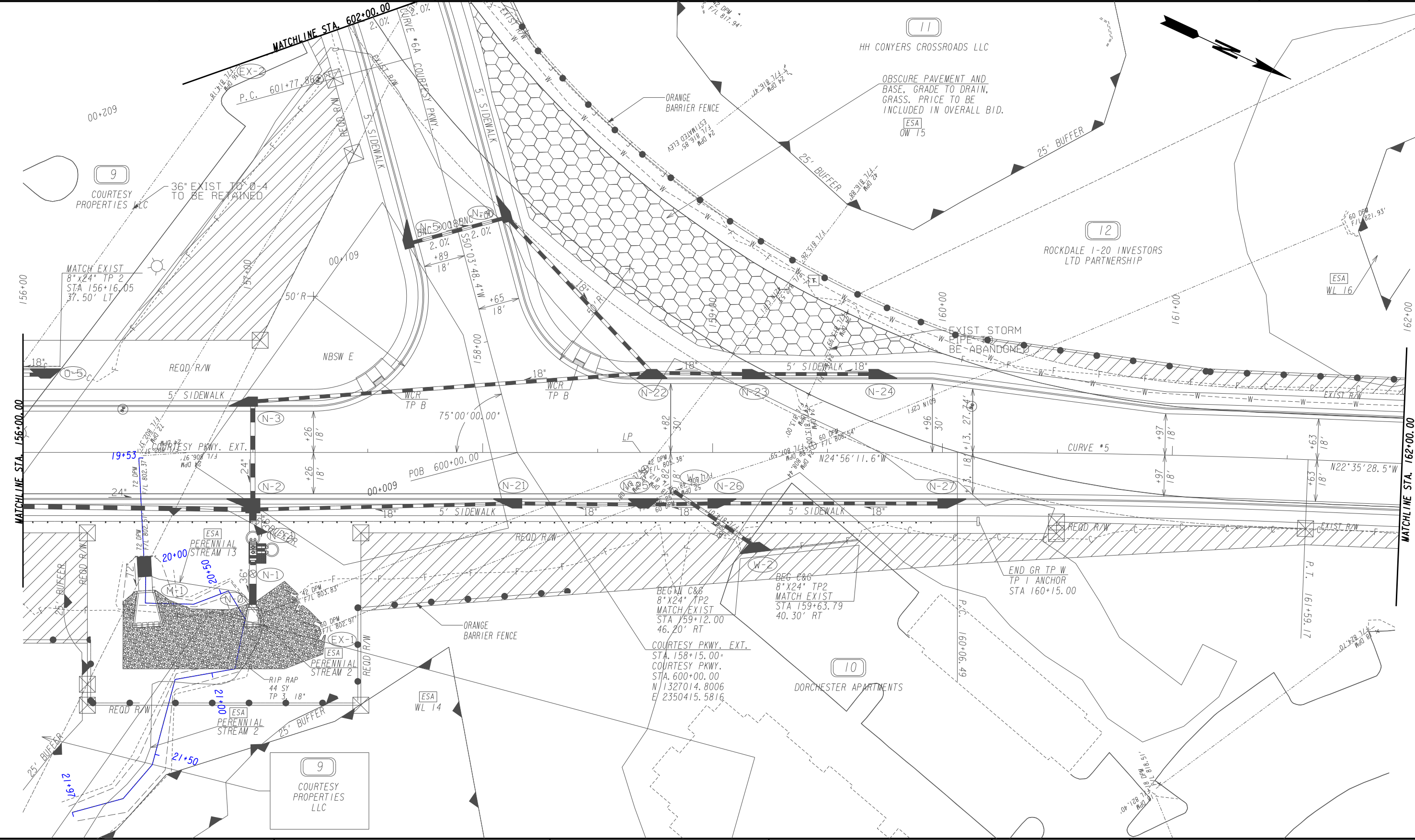


Cross Section of Existing & Proposed Condition @ Approx 26 ft Downstream STA 11+79



REVISION DATES	

404 PERMIT PLAN INFORMATION			
COURTESY PARKWAY EXTENSION			
ROCKDALE COUNTY			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			39-0007

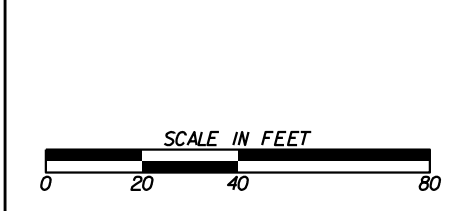


PROPERTY AND EXISTING R/W LINE	---
REQUIRED R/W LINE	---
CONSTRUCTION LIMITS	---
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	---
EASEMENT FOR CONSTR OF SLOPES	---
EASEMENT FOR CONSTR OF DRIVES	---

BEGIN LIMIT OF ACCESS.....	BLA
END LIMIT OF ACCESS.....	ELA
LIMIT OF ACCESS	---
REQ'D R/W & LIMIT OF ACCESS	---
ORANGE BARRIER FENCE	---
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	---

ATLAS

2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945



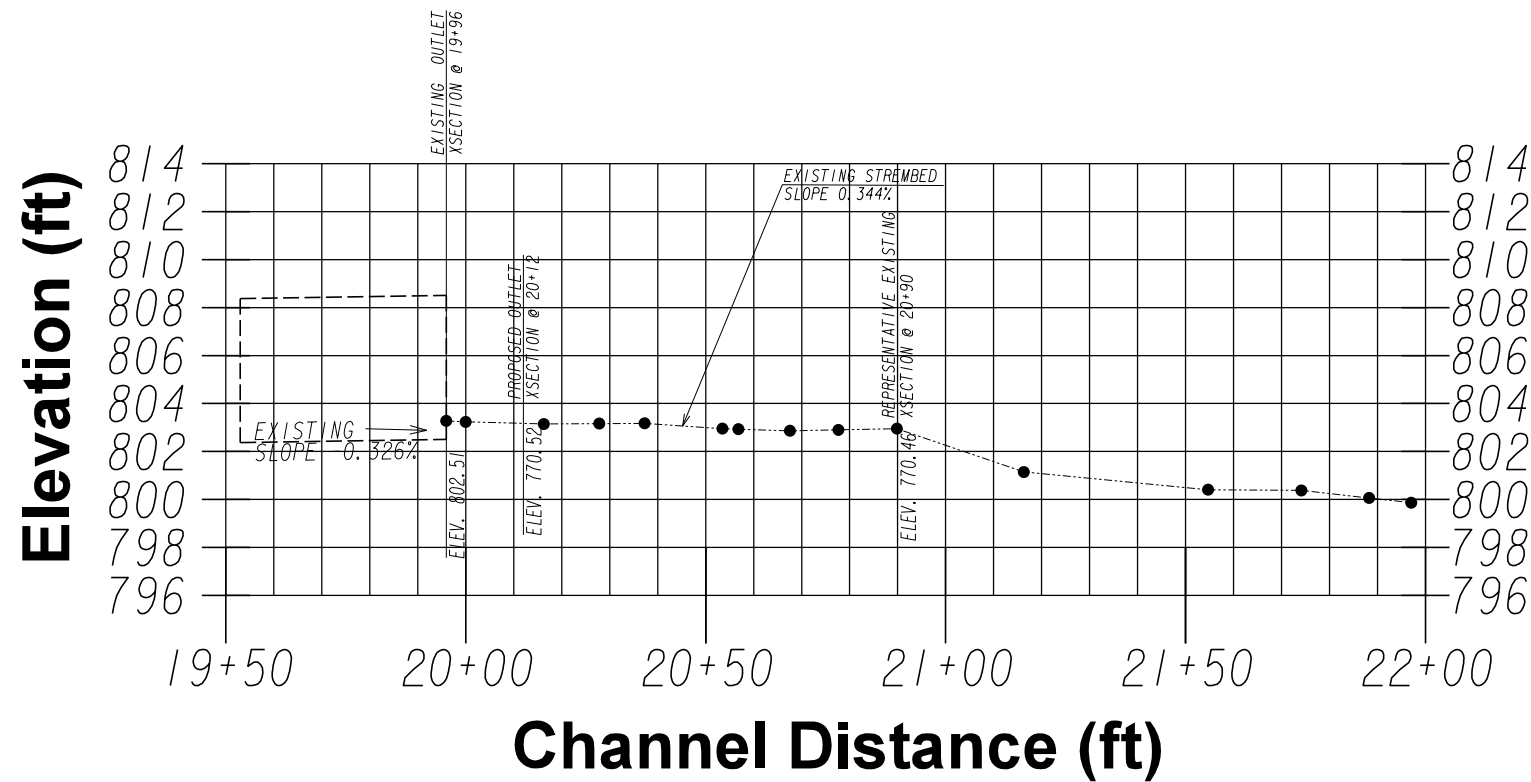
REVISION DATES	

404 PERMIT PLAN INFORMATION
COURTESY PARKWAY EXTENSION
ROCKDALE COUNTY

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	39-0008
CORRECTED:	DATE:	
VERIFIED:	DATE:	

PI 0006934, PERENNIAL STREAM 2 COURTESY PARKWAY EXTENSION

EXISTING LONGITUDINAL PROFILE



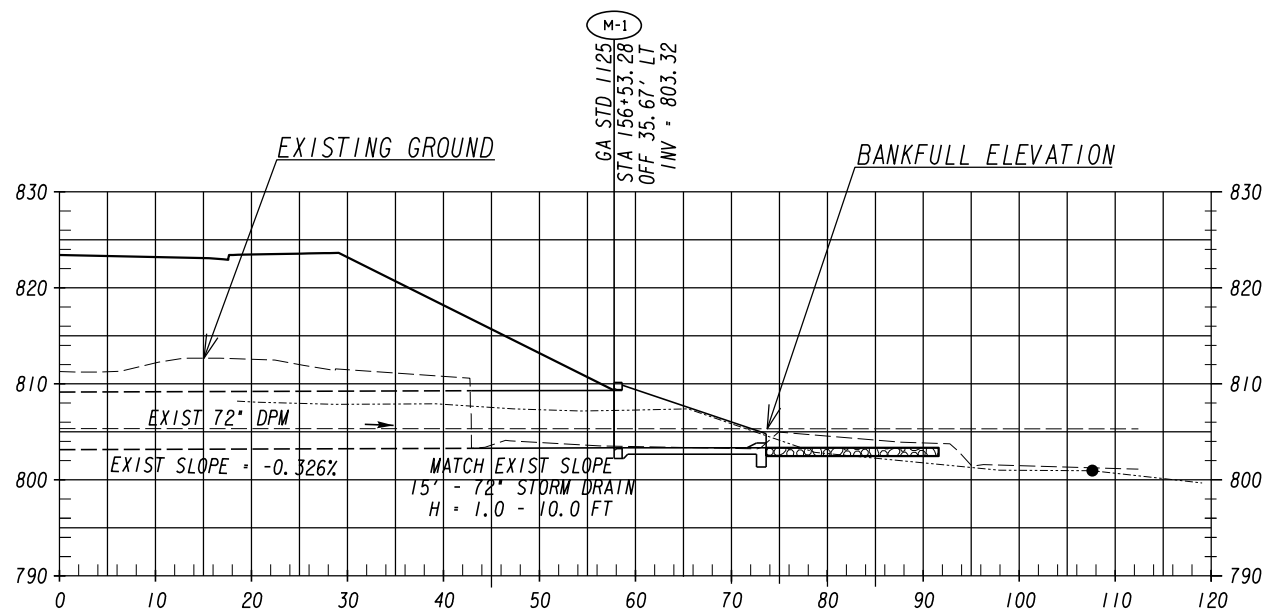
(See Sheet 39-0008 for Stream Location)



REVISION DATES		404 PERMIT PLAN INFORMATION	
		COURTESY PARKWAY EXTENSION	
		ROCKDALE COUNTY	
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	39-0009	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

PI 0006934, PERENNIAL STREAM 2 COURTESY PARKWAY EXTENSION

PROPOSED LONGITUDINAL PROFILE

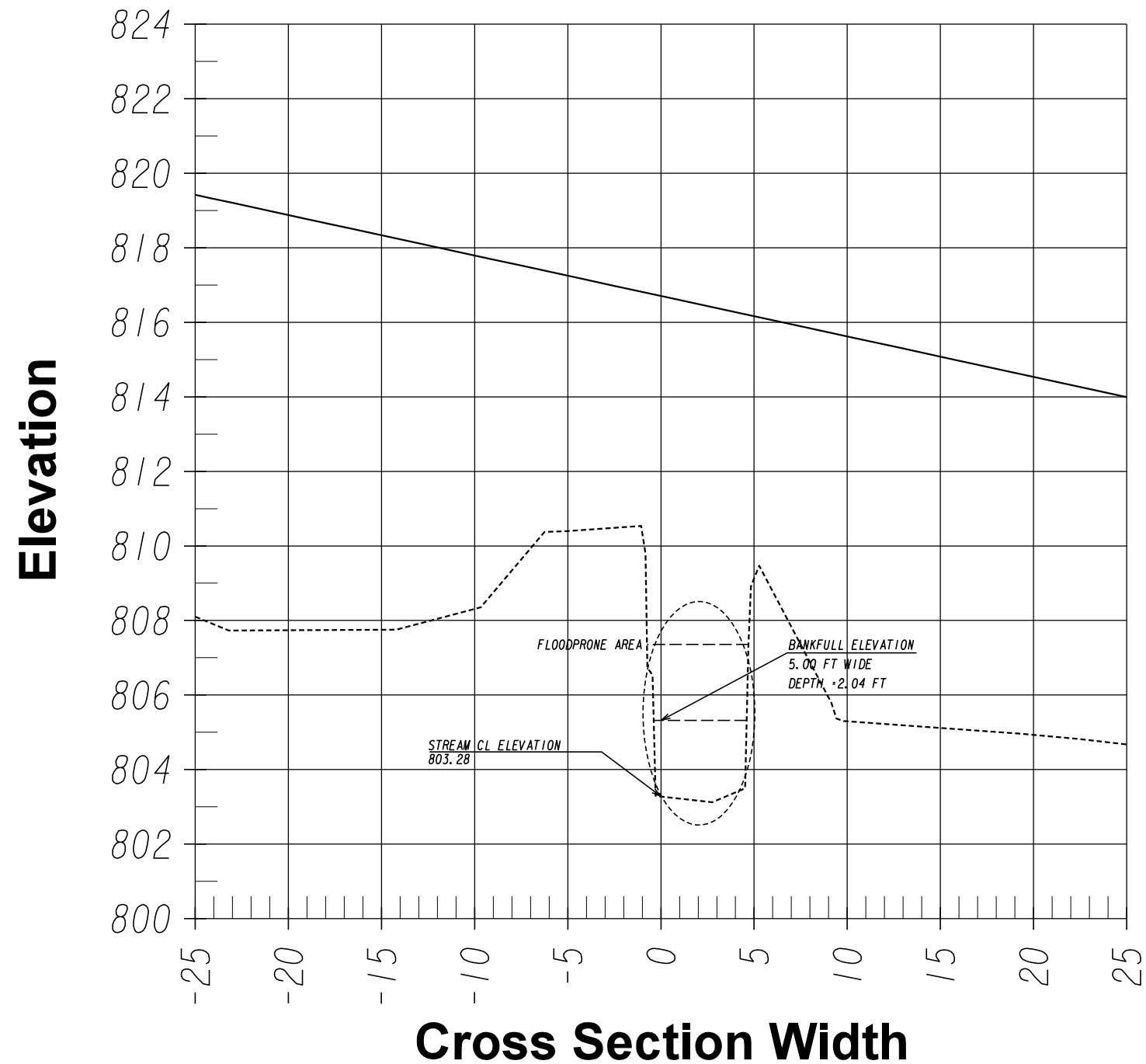


(See Sheet 39-0008 for Stream Location)



REVISION DATES		404 PERMIT PLAN INFORMATION	
		COURTESY PARKWAY EXTENSION	
		ROCKDALE COUNTY	
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	39-0010	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

PI 0006934, PERENNIAL STREAM 2 COURTESY PARKWAY EXTENSION



Existing Outlet Cross Section @ STA 19+96



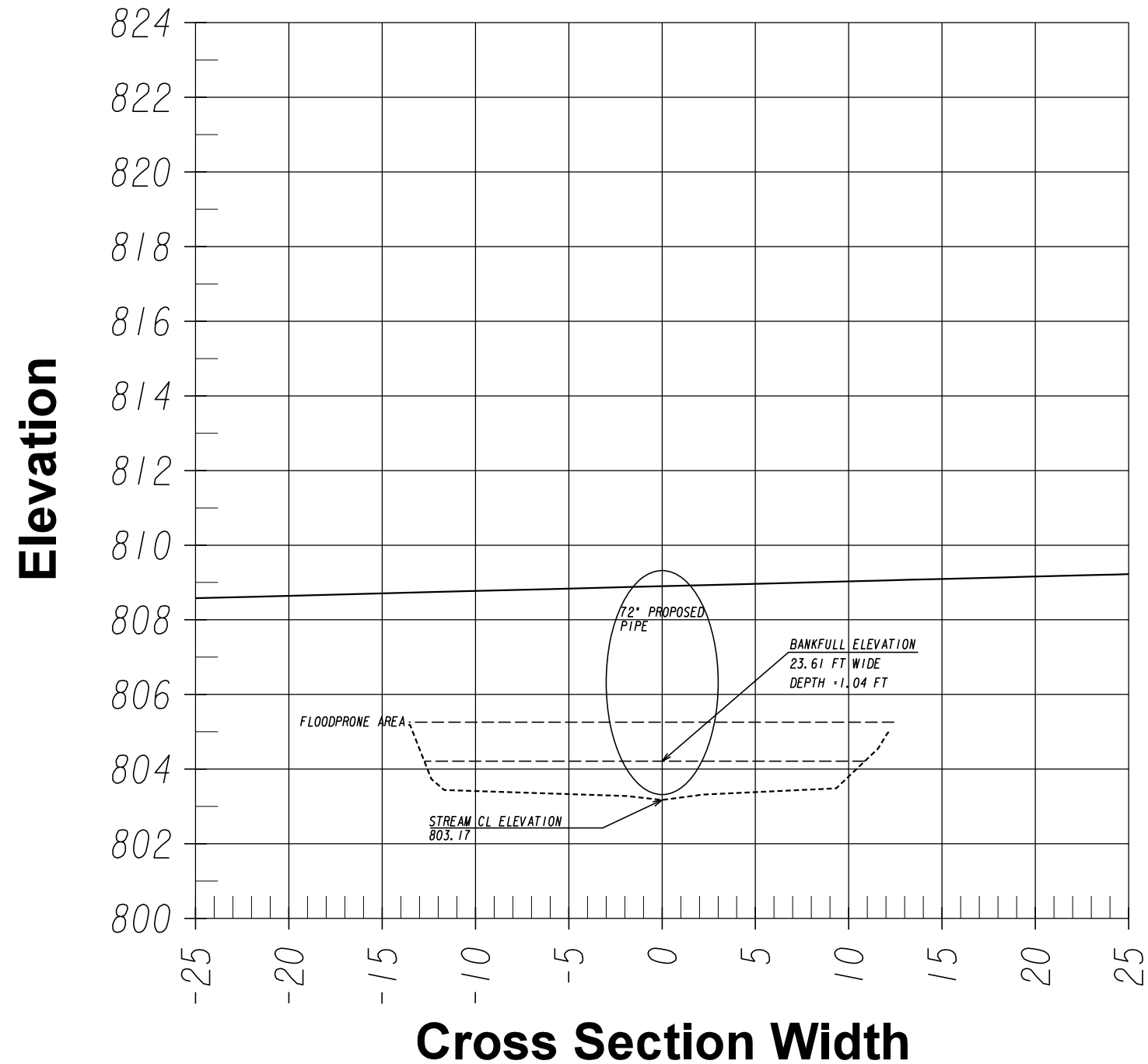
REVISION DATES

NO.	DATE	DESCRIPTION

404 PERMIT PLAN INFORMATION
COURTESY PARKWAY EXTENSION
ROCKDALE COUNTY

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	39-0011
CORRECTED:	DATE:	
VERIFIED:	DATE:	

PI 0006934, PERENNIAL STREAM 2 COURTESY PARKWAY EXTENSION



Proposed Outlet Cross Section @ STA 20+12



REVISION DATES

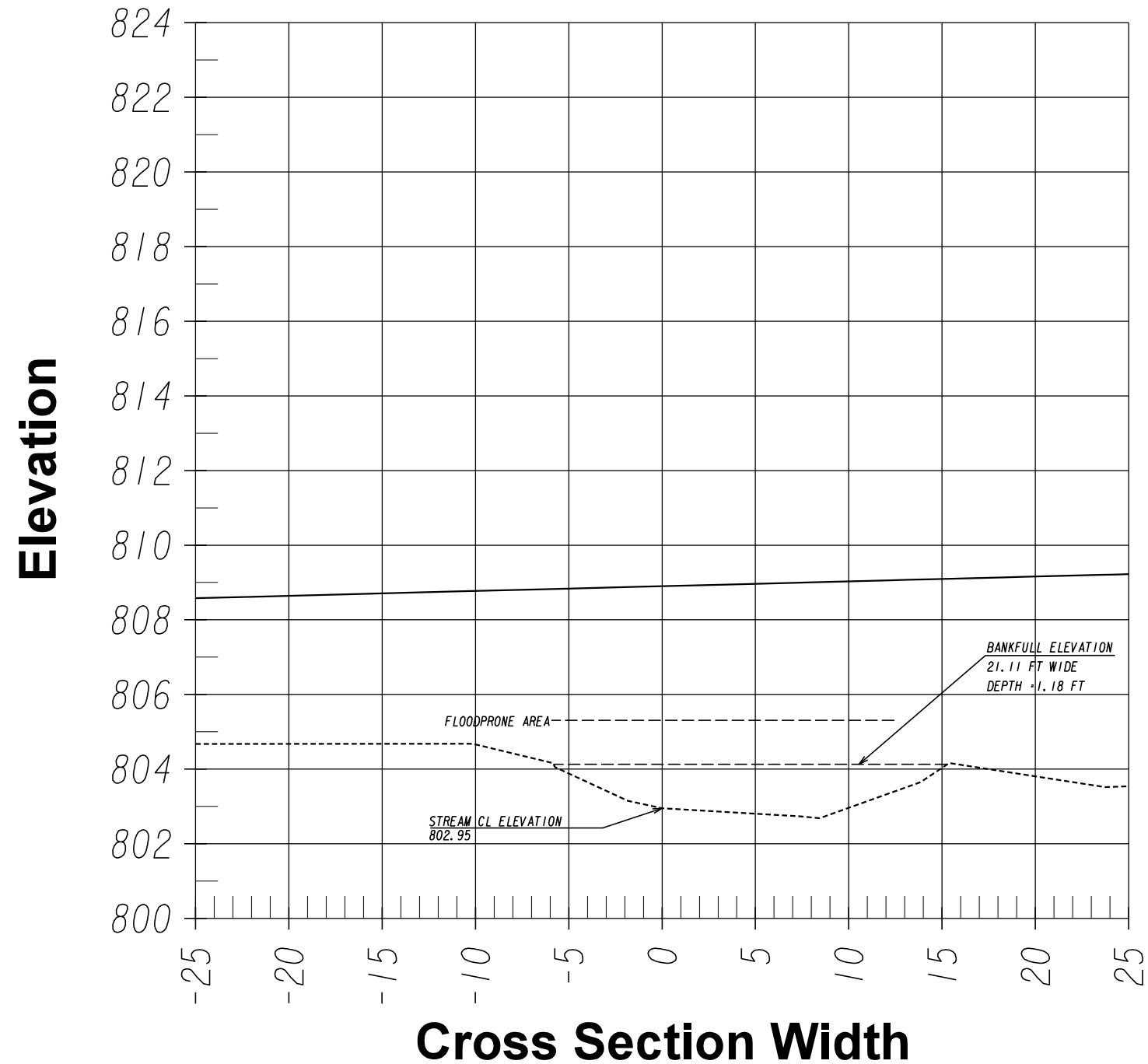
NO.	DATE	DESCRIPTION

404 PERMIT PLAN INFORMATION

COURTESY PARKWAY EXTENSION
ROCKDALE COUNTY

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	39-0012
CORRECTED:	DATE:	
VERIFIED:	DATE:	

PI 0006934, PERENNIAL STREAM 2 COURTESY PARKWAY EXTENSION



Representative Cross Section @ Approx 94 ft Downstream STA 20+90



REVISION DATES		404 PERMIT PLAN INFORMATION	
		COURTESY PARKWAY EXTENSION	
		ROCKDALE COUNTY	
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			39-0013



LOCATION SKETCH (NTS)

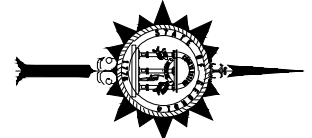
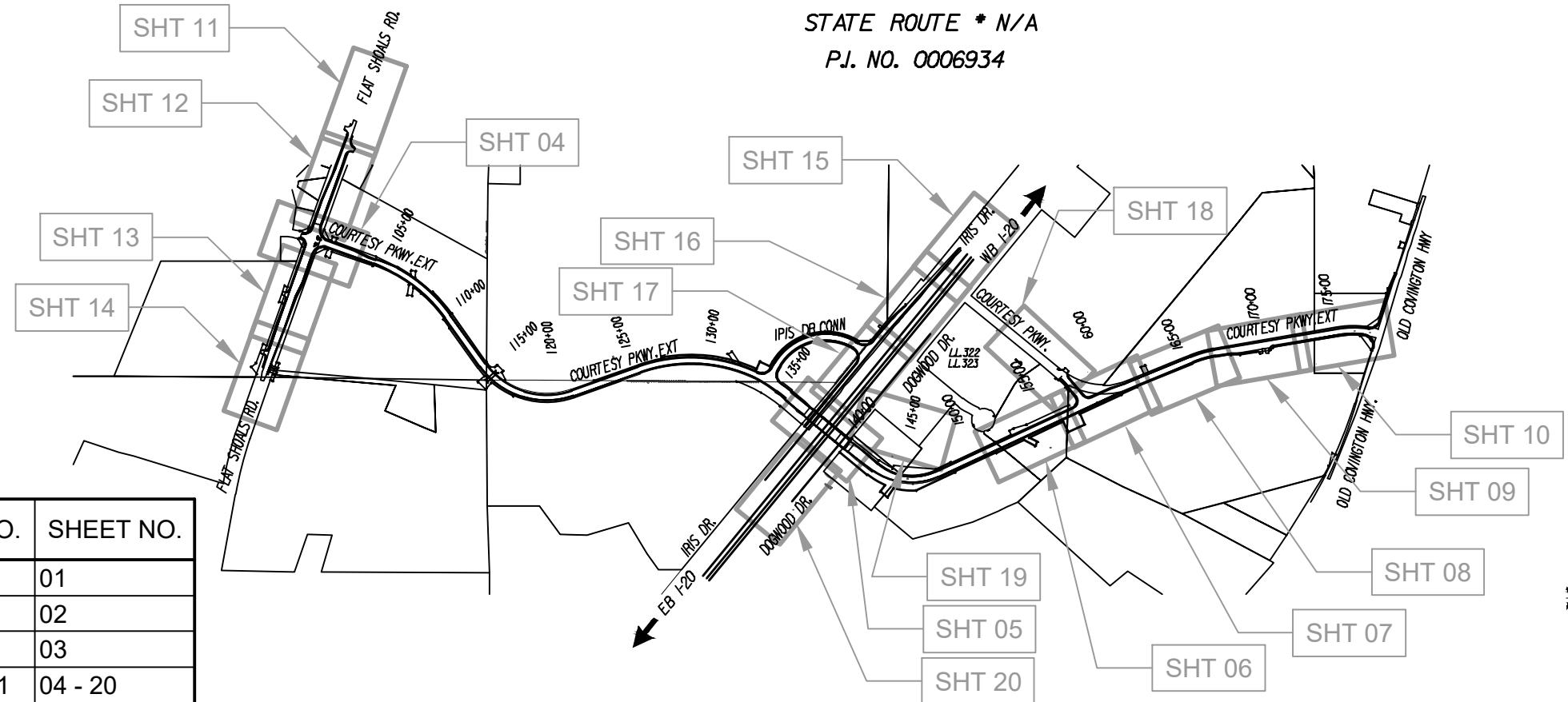
DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA ROCKDALE WATER RESOURCES PROPOSED UTILITY RELOCATION PLAN

COURTESY PKWY. EXT. FROM FLAT SHOALS RD TO OLD COVINGTON HWY.

FEDERAL AID PROJECT
CSSTP-0006-00(934)
ROCKDALE COUNTY

FEDERAL ROUTE * N/A
STATE ROUTE * N/A
P.J. NO. 0006934



INDEX OF DRAWINGS	DRAWING NO.	SHEET NO.
KEY MAP	44-00G1	01
GENERAL NOTES	44-00G2	02
LEGEND	44-00G3	03
PLAN DRAWINGS	44-0001 - 0031	04 - 20
DETAILS	44-00D1 - D3	21 - 23

1320 PORTMAN DRIVE SUITE H
CONYERS, GEORGIA 30094
PHONE (770)278-7432 FAX (770)918-6529

ROCKDALE WATER RESOURCES

GEORGIA811
www.Georgia811.com

DAVID J. CRIVONE
REGISTERED PROFESSIONAL ENGINEER
No. 30863
STATE OF GEORGIA

REVISION DATES	

**UTILITY RELOCATION PLANS
KEY MAP
COURTESY PARKWAY EXTENSION
ROCKDALE COUNTY**

CHECKED:		DATE:		DRAWING No.	SHEET No.
BACKCHECKED:		DATE:		44-00G1	01
CORRECTED:		DATE:			
VERIFIED:		DATE:			

GENERAL CONSTRUCTION NOTES:

1. ALL CONSTRUCTION METHODS AND MATERIALS USED TO EXTEND, RELOCATE, OR ABANDON ROCKDALE WATER RESOURCES(RWR) WATER AND SEWER SYSTEM MUST BE MADE OF DUCTILE IRON, AND COMPLY WITH RWR STANDARDS AND SPECIFICATIONS.
2. NOTIFY THE RWR REPRESENTATIVE AND ALL OTHER INTERESTED PARTIES AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO THE START OF WORK.
3. OBTAIN REQUIRED PERMITS AND NECESSARY DISTRICT BUSINESS LICENSE(S) PRIOR TO BEGINNING CONSTRUCTION.
4. DURING CONSTRUCTION, INCLUDING SUSPENSION OF WORK, UNTIL FINAL ACCEPTANCE OF THE PROJECT, OBSERVE, FOLLOW AND IMPLEMENT THE REQUIREMENTS OF THE NPDES AND STORMWATER POLLUTION PREVENTION PROGRAM AND KEEP THE WORK SITE CLEAN FROM RUBBISH AND DEBRIS. ALSO ABATE DUST NUISANCE BY CLEANING, SWEEPING AND SPRINKLING WITH WATER AND USING DUST FENCES OR OTHER METHODS AS DIRECTED BY THE RWR'S REPRESENTATIVE THROUGHOUT THE CONSTRUCTION OPERATION.
5. KEEP A STRICT RECORD OF ALL CHANGES AND SUBMIT THIS RECORD TO THE RWR. ALSO COORDINATE TRANSFERRING "AS-BUILT" INFORMATION ON THE CONTRACT DRAWINGS AND DELIVER THE CERTIFIED "AS-BUILT" PLANS TO THE DISTRICT BEFORE THE RELEASE FOR FINAL ACCEPTANCE OF THE PROJECT SHALL BE FILED.
6. EXERCISE DUE CARE TO AVOID INJURY TO EXISTING IMPROVEMENTS OR FACILITIES, UTILITY FACILITIES, ADJACENT PROPERTY, AND TREES AND SHRUBBERY THAT ARE NOT TO BE REMOVED. ALL DAMAGE CAUSED TO COUNTY & CITY STREETS, INCLUDING HAUL ROUTES, SIDEWALKS, CURBS OR STREET FURNISHINGS, OR TO PRIVATE PROPERTY SHALL BE REPAIRED AT THE SOLE EXPENSE OF THE CONTRACTOR TO THE SATISFACTION OF THE RWR REPRESENTATIVE.
7. DESIGNATE AND KEEP ON THE PROJECT WHILE WORK IS BEING PERFORMED A COMPETENT SUPERINTENDENT WHO SHALL NOT BE REPLACED WITHOUT A WRITTEN NOTICE TO THE RWR'S REPRESENTATIVE. THE SUPERINTENDENT WILL BE THE CONTRACTOR'S REPRESENTATIVE AT THE SITE AND SHALL HAVE AUTHORITY TO ACT ON BEHALF OF THE CONTRACTOR. COMMUNICATIONS GIVEN TO THE SUPERINTENDENT SHALL BE AS BINDING AS IF GIVEN TO THE CONTRACTOR. DURING PERIODS WHEN THE WORK IS SUSPENDED, MAKE APPROPRIATE ARRANGEMENTS FOR EMERGENCY WORK WHICH WILL BE REQUIRED.
8. WHEN THE WORK ON ANY PORTION OF IT IS SUFFICIENTLY COMPLETE TO BE UTILIZED OR PLACED INTO SERVICE, RWR SHALL HAVE THE RIGHT UPON WRITTEN NOTIFICATION TO THE CONTRACTOR TO UTILIZE SUCH PORTIONS OF THE WORK AND TO PLACE THE OPERABLE PORTIONS INTO SERVICE AND TO OPERATE SAME. UPON SAID NOTICE AND COMMENCEMENT OF UTILIZATION OR OPERATION BY THE RWR, THE CONTRACTOR SHALL BE RELIEVED OF THE DUTY OF MAINTAINING THE PORTIONS SO UTILIZED OR PLACED INTO OPERATION; PROVIDED, HOWEVER, THAT NOTHING IN THIS NOTE SHALL BE CONSTRUED AS RELIEVING THE CONTRACTOR OF THE FULL RESPONSIBILITY FOR COMPLETING THE WORK IN ITS ENTIRETY, FOR MAKING GOOD DEFECTIVE WORK AND MATERIALS, FOR PROTECTING THE WORK FROM DAMAGE, AND FOR BEING RESPONSIBLE FOR DAMAGE.
9. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK; AND FULLY COMPLY WITH STATE/FEDERAL AND OTHER LAWS, RULES, REGULATIONS, AND ORDER RELATING TO SAFETY OF WORKERS AND ALL OTHERS. THIS INCLUDES THE ISSUANCE OF PERSONAL PROTECTIVE EQUIPMENT.
10. UNDERGROUND UTILITIES OR STRUCTURES REPORTED BY RWR OR THOSE SHOWN ON RECORDS EXAMINED ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND EXTENT. TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES FOUND AT THE SITE. NOTIFY RWR OF THE UTILITIES CONCERNED BEFORE STARTING WORK.
11. TYPICAL DETAILS APPLY WHETHER OR NOT THEY ARE SPECIFICALLY REFERENCED ON INDIVIDUAL PLANS, DETAILS OR SECTIONS. DETAIL DRAWINGS CAN BE FOUND:
<https://rockdalecountyga.gov/wp-content/uploads/2019/09/Water-and-WasteWater-Standards-and-Specifications-September-2019-Update.pdf>
12. VERIFY DIMENSIONS AND CONDITIONS AT THE SITE BEFORE STARTING WORK. ANY CONFLICT BETWEEN DETAILS OR DIMENSIONS ON THE DRAWINGS SHALL BE REPORTED PROMPTLY TO RWR REPRESENTATIVE WHO WILL DETERMINE THE INTENT OF THE DRAWINGS.
13. NO SMOKING IS ALLOWED WITHIN THE JOBSITE OR SITE ACCESS AREAS, A FIRE SPOTTER, FIRE EXTINGUISHER, ADEQUATE WATER SUPPLY AND SHOVELS SHALL BE AVAILABLE AND WITHIN REACH AT ALL TIMES DURING ANY WELDING OR TORCH WORK. THIS JOBSITE IS IN AN EXTREMELY HAZARDOUS FIRE AREA.
14. CONDUCT OPERATIONS TO RESULT IN THE LEAST POSSIBLE OBSTRUCTION INCONVENIENCE TO THE PUBLIC, AND HAVE UNDER CONSTRUCTION NO GREATER LENGTH OR AMOUNT OF WORK THAT CAN BE PERFORMED PROPERLY WITH DUE REGARD TO THE RIGHTS OF THE PUBLIC OR AS STATED IN THE PERMITS. CONVIEN T ACCESS TO DRIVEWAYS, HOUSES AND BUILDINGS ALONG THE WORK SHALL BE MAINTAINED.

PIPELINE CONSTRUCTION NOTES:

1. PROVIDE TRAFFIC CONTROL IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
2. OPEN TRENCHES IN EXISTING ASPHALT SHALL BE PLATED OVERNIGHT WITH NON SKID STEEL PLATES.
3. VERIFY DIMENSIONS AND CONDITIONS AT THE SITE BEFORE STARTING WORK. CONFLICTS BETWEEN DETAILS OR DIMENSIONS ON THE DRAWINGS SHALL BE REPORTED PROMPTLY TO THE ENGINEER, WHO WILL DETERMINE THE INTENT OF THE DESIGN.
4. FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION, DIAMETER, AND ORIENTATION AT ALL CONNECTION POINTS AND COORDINATE WITH RWR PRIOR TO CONSTRUCTION. PROVIDE ALL PIPE MATERIALS AND FITTINGS, AS REQUIRED TO MEET EXISTING FIELD CONDITIONS FOR A COMPLETE INSTALLATION.
5. REPAIR DAMAGE TO LANDSCAPING, PAVING, UTILITIES, CURBS, GUTTERS, IRRIGATION, STRUCTURES, ETC., CAUSED BY THE WORK.
6. PAVEMENT CUTS SHALL BE PERFORMED BY SAW CUTTING OR GRINDING. RECUT PAVEMENT PRIOR TO REPAVING WHERE UNDERMINING HAS OCCURRED.
7. SCHEDULE WITH RWR LOCAL WATER SERVICE SHUTDOWNS NOT LESS THAN TWO WEEKS IN ADVANCE. CONTRACTOR TO PERFORM WORK IN ORDER TO MINIMIZE THE NUMBER OF SHUTDOWNS AND THE DURATION OF THE SHUTDOWN.
8. MAINTAIN 36" MINIMUM PIPELINE COVER PER RWR UNLESS OTHERWISE SHOWN ON THE PLANS OR UNLESS REDUCED DEPTH IS SPECIFICALLY APPROVED BY THE ENGINEER.
9. RESTRAINED JOINTS SHALL BE PROVIDED FOR BURIED PIPING AS INDICATED ON THE DRAWINGS OR AS SCHEDULED IN THE SPECIFICATIONS.
10. ALL VALVE BOXES SHALL BE SET TO FINISH GRADE.
11. ALL TRENCH EXCAVATION SHALL COMPLY WITH THE MOST CURRENT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION STANDARDS.
12. DELETERIOUS MATERIALS AND EXCAVATED MATERIALS NOT USED IN BACKFILL OR GRADING SHALL BE REMOVED FROM SITE AND LEGALLY DISPOSED OF.
13. PRESSURE TEST WATER LINES AFTER ALL UTILITIES ARE INSTALLED AND BACKFILL IS ACCEPTED. PRESSURE TEST SHALL BE IN ACCORDANCE WITH SPECIFICATION.
14. DISINFECTION OF WATER LINES SHALL BE IN ACCORDANCE WITH SPECIFICATION.
15. ALL NEW WATER PIPES SHALL BE PROPERLY FLUSHED, PRESSURE TESTED, CHLORINATED AND BACTERIOLOGICALLY TESTED, AS SPECIFIED.

GENERAL PIPING AND UTILITIES NOTES:

1. ELEVATION ADJUSTMENTS AT CONNECTIONS MAY BE MADE WITH BENDS, OFFSETS OR JOINT DEFLECTIONS. JOINT DEFLECTIONS SHALL NOT EXCEED 75% MANUFACTURER'S RECOMMENDED DEFLECTION PER JOINT
2. FIELD VERIFY DEPTH AND LOCATION OF UTILITIES PRIOR TO EXCAVATION.
3. PROTECT ALL EXISTING UTILITIES DURING CONSTRUCTION.
4. EMERGENCY SERVICES (POLICE, FIRE, AMBULANCE) SHALL BE ALERTED 48 HOURS IN ADVANCE OF PERFORMING SHUTDOWN.
5. ALL EXISTING WATER METERS, BACKFLOW PREVENTERS AND FIRE HYDRANTS TO BE REMOVED SHALL NOT BE RE-USED. THE METERS AND HYDRANTS SHALL BE SALVAGED, COORDINATE WITH ROCKDALE WATER RESOURCES.
6. PLACE THE PROPOSED WATER METERS AT OR NEAR THE EXISTING SERVICE LINE, WHERE IT LEAVES THE R/W OR EASEMENT, AND RECONNECT ALL SERVICES.
7. ALL PROPOSED WATER SERVICE LINES 2 INCH AND SMALLER SHALL BE K-COPPER.
8. WATER AND SEWER RELOCATIONS SHOWN ON THE DRAWINGS ARE CONSIDERED COMPLETE AND DOES NOT CONSIDER CONSTRUCTION PHASING. IF THE CONTRACTOR NEEDS TO INSTALL INTERMEDIATE DEVICES (VALVES, STRUCTURES, ETC) TO ACCOMMODATE ROAD CONSTRUCTION PHASING, THESE DEVICES SHALL NOT BE AN EXTRA COST TO RWR AND SHALL BE INCLUDED IN THE RELEVANT PAY ITEMS DURING THE BID.
9. CONTRACTOR TO REFER TO SPECIAL PROVISIONS 660 SEWER AND 670 WATER THAT ACCOMPANY THESE PLANS. THESE INCLUDE TECHNICAL SPECIFICATIONS, MEASUREMENT, PAY ITEMS AND OTHER INFORMATION RELATED TO THE CONSTRUCTION OF THE PROJECT.
10. CONTRACTOR TO PROVIDE RECORD DRAWINGS PER THE REQUIREMENTS SPECIFIED IN ROCKDALE COUNTY WATER AND WASTE WATER STANDARDS AND SPECIFICATIONS.



NOT TO SCALE

REVISION DATES

UTILITY RELOCATION PLANS GENERAL NOTES COURTESY PARKWAY EXTENSION ROCKDALE COUNTY			
CHECKED:	DATE:	DRAWING No.	SHEET No.
BACK-CHECKED:	DATE:	44-00G2	02
CORRECTED:	DATE:		
VERIFIED:	DATE:		

UTILITY LINECODES

UTILITY SYMBOLS

	EXISTING	TO BE REMOVED	PROPOSED	TYPE OF UTILITY
OVERHEAD				ELECTRIC
				ELECTRIC/TELECOMMUNICATIONS
				ELECTRIC/CABLE TV
				ELECTRIC/TELECOMMUNICATIONS/CABLE TV
				GUY WIRE
				TELECOMMUNICATIONS
UNDERGROUND				TELECOMMUNICATIONS/CABLE TV
				CABLE TV

	EXISTING	TO BE REMOVED	PROPOSED	TYPE OF UTILITY
UNDERGROUND				ELECTRIC
				TELECOMMUNICATIONS
				CABLE TV
				WATER
				WATER FOR LABELED PIPE SIZES
				NON-POTABLE WATER
				NON-POTABLE WATER FOR LABELED PIPE SIZES
				STEAM
				STEAM FOR LABELED PIPE SIZES
				SANITARY SEWER WITH FLOW DIRECTION
				SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES
				SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION
				GAS
				GAS FOR LABELED PIPE SIZES
				PETROLEUM
				PETROLEUM FOR LABELED PIPE SIZES

EXISTING	PROPOSED	TEMPORARY	EXISTING	PROPOSED	TEMPORARY

R
ROCKDALE WATER RESOURCES

1329 PORTMAN DRIVE SUITE H
CONYERS, GEORGIA 30094
PHONE (770)278-7432

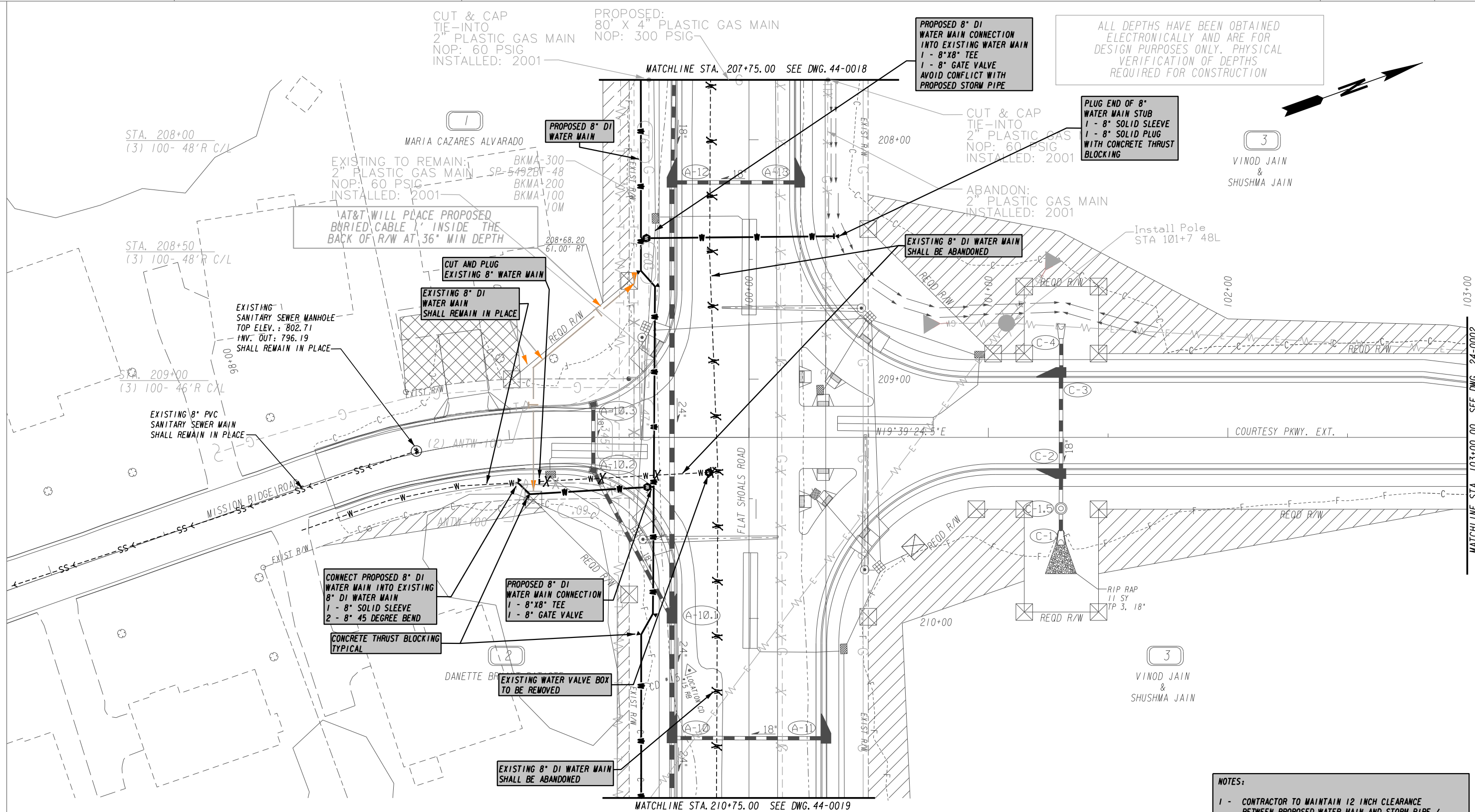
GEORGIA811
Utilities Protection Center, Inc.

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GEORGIA REGISTERED PROFESSIONAL ENGINEER
DAVID J. CEVONE
No. 30963

UTILITY RELOCATION PLAN
LEGEND
COURTESY PARKWAY EXTENSION
UTILITY LEGEND

DRAWING No.	SHEET No.
44-00G3	03



ALL DEPTHS HAVE BEEN OBTAINED ELECTRONICALLY AND ARE FOR DESIGN PURPOSES ONLY. PHYSICAL VERIFICATION OF DEPTHS REQUIRED FOR CONSTRUCTION

PLUG END OF 8" WATER MAIN STUB
1 - 8" SOLID SLEEVE
1 - 8" SOLID PLUG WITH CONCRETE THRUST BLOCKING

PROPOSED 8" DI WATER MAIN CONNECTION INTO EXISTING WATER MAIN
1 - 8" X 8" TEE
1 - 8" GATE VALVE
AVOID CONFLICT WITH PROPOSED STORM PIPE

CUT & CAP TIE-INTO 2" PLASTIC GAS MAIN
N.O.P.: 60 PSIG
INSTALLED: 2001

PROPOSED: 80' X 4" PLASTIC GAS MAIN
N.O.P.: 300 PSIG

AT&T WILL PLACE PROPOSED BURIED CABLE 1' INSIDE THE BACK OF R/W AT 36" MIN DEPTH

CUT AND PLUG EXISTING 8" WATER MAIN

EXISTING 8" DI WATER MAIN SHALL REMAIN IN PLACE

EXISTING SANITARY SEWER MANHOLE
TOP ELEV.: 802.71
INV. OUT: 796.19
SHALL REMAIN IN PLACE

EXISTING 8" PVC SANITARY SEWER MAIN SHALL REMAIN IN PLACE

CONNECT PROPOSED 8" DI WATER MAIN INTO EXISTING 8" DI WATER MAIN
1 - 8" SOLID SLEEVE
2 - 8" 45 DEGREE BEND
CONCRETE THRUST BLOCKING TYPICAL

PROPOSED 8" DI WATER MAIN CONNECTION
1 - 8" X 8" TEE
1 - 8" GATE VALVE

EXISTING WATER VALVE BOX TO BE REMOVED

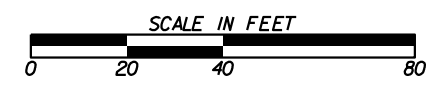
EXISTING 8" DI WATER MAIN SHALL BE ABANDONED

- NOTES:
- CONTRACTOR TO MAINTAIN 12 INCH CLEARANCE BETWEEN PROPOSED WATER MAIN AND STORM PIPE / UNDERGROUND UTILITIES.
 - CONTRACTOR TO INCLUDE COST FOR ADJUSTING TO AVOID UNDERGROUND UTILITIES IN PAY ITEM FOR WATER MAIN.

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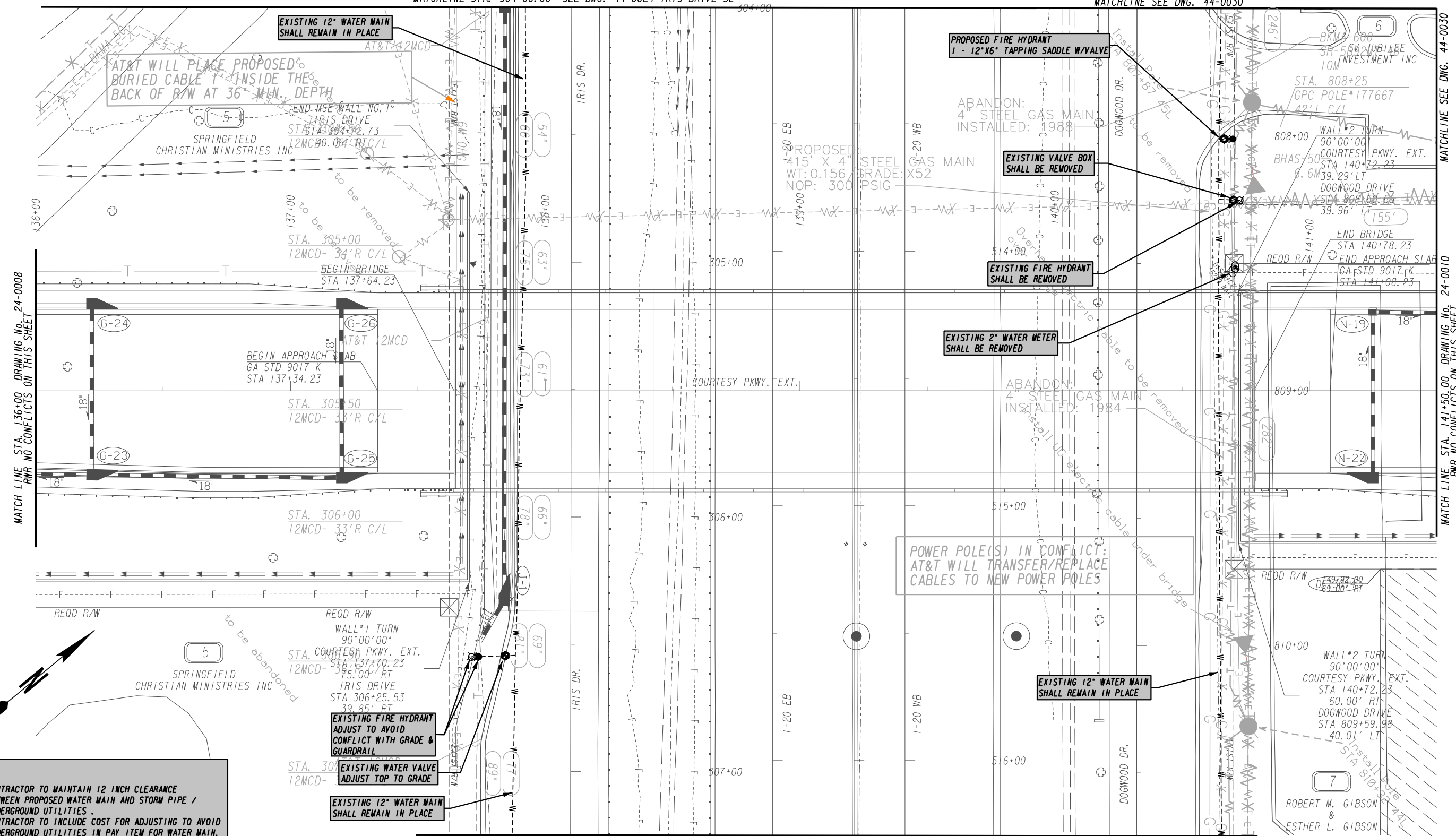
REVISION DATES	

UTILITY RELOCATION PLANS
COURTESY PARKWAY EXTENSION
ROCKDALE COUNTY

CHECKED:	DATE:	DRAWING No.	SHEET No.
BACKCHECKED:	DATE:	44-001	04
CORRECTED:	DATE:		
VERIFIED:	DATE:		

MATCHLINE STA. 304+00.00 SEE DWG. 44-0024 IRIS DRIVE SE

MATCHLINE SEE DWG. 44-0030



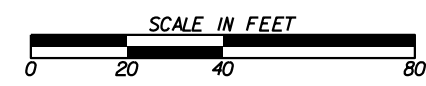
MATCH LINE STA. 136+00 DRAWING No. 24-0008 R/W NO CONFLICTS ON THIS SHEET

MATCH LINE SEE DWG. 44-0030 STA. 141+50.00 DRAWING No. 24-0010 R/W NO CONFLICTS ON THIS SHEET

- NOTES:**
- CONTRACTOR TO MAINTAIN 12 INCH CLEARANCE BETWEEN PROPOSED WATER MAIN AND STORM PIPE / UNDERGROUND UTILITIES.
 - CONTRACTOR TO INCLUDE COST FOR ADJUSTING TO AVOID UNDERGROUND UTILITIES IN PAY ITEM FOR WATER MAIN.

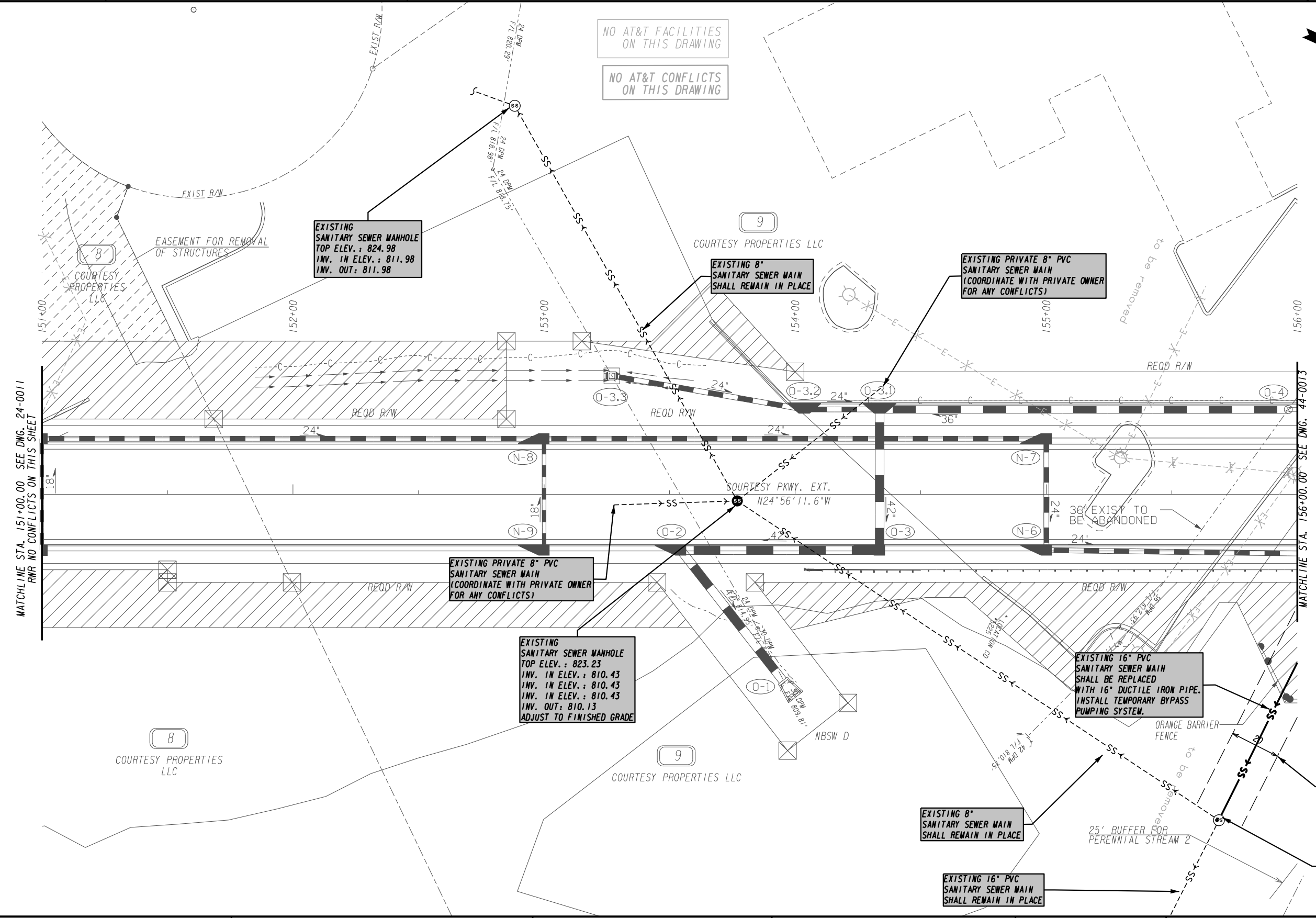
MATCHLINE STA. 307+25.00 SEE DWG. 44-0032 IRIS DRIVE SE

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VERIFIED:	DATE:				

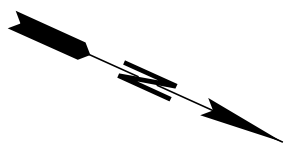
UTILITY RELOCATION PLANS
COURTESY PARKWAY EXTENSION
ROCKDALE COUNTY



MATCHLINE STA. 151+00.00 SEE DWG. 24-0011 RMR NO CONFLICTS ON THIS SHEET

MATCHLINE STA. 156+00.00 SEE DWG. 44-0013

NO AT&T FACILITIES ON THIS DRAWING
NO AT&T CONFLICTS ON THIS DRAWING



EXISTING SANITARY SEWER MANHOLE
TOP ELEV. : 824.98
INV. IN ELEV. : 811.98
INV. OUT: 811.98

EXISTING 8\"/>

EXISTING PRIVATE 8\"/>

EXISTING PRIVATE 8\"/>

EXISTING SANITARY SEWER MANHOLE
TOP ELEV. : 823.23
INV. IN ELEV. : 810.43
INV. IN ELEV. : 810.43
INV. OUT: 810.13
ADJUST TO FINISHED GRADE

EXISTING 16\"/>

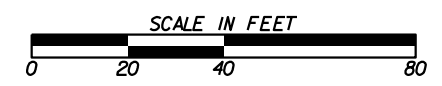
EXISTING 20\"/>

EXISTING SANITARY SEWER MANHOLE
TOP ELEV. : 810.90
INV. IN ELEV. : 796.70
INV. IN ELEV. : 795.50
INV. OUT: 795.50
SHALL REMAIN IN PLACE

EXISTING 8\"/>

EXISTING 16\"/>

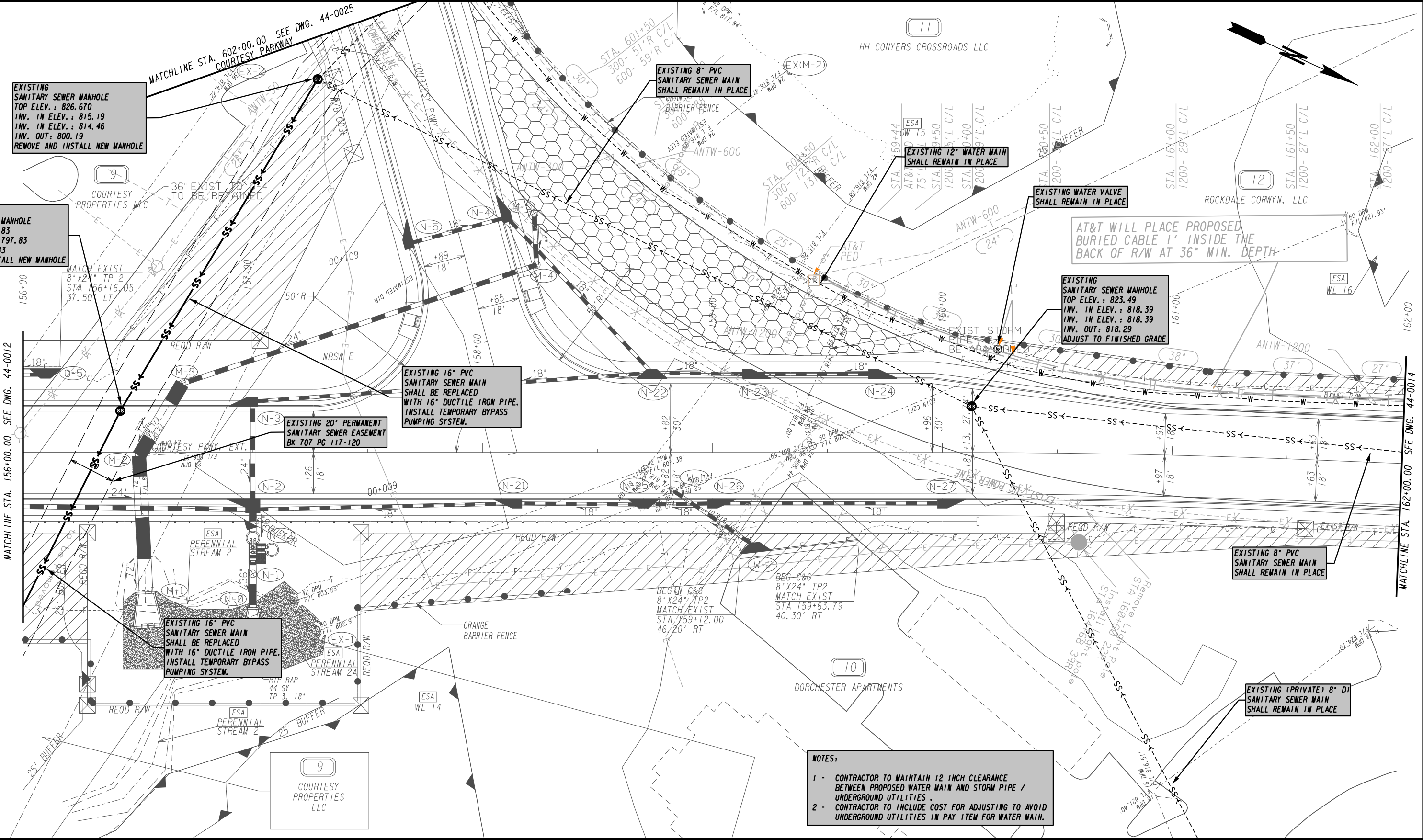
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REVISION DATES	

UTILITY RELOCATION PLANS
COURTESY PARKWAY EXTENSION
ROCKDALE COUNTY

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BACKCHECKED:		DATE		44-0012	06
CORRECTED:		DATE			
VERIFIED:		DATE			



EXISTING SANITARY SEWER MANHOLE
TOP ELEV. : 826.670
INV. IN ELEV. : 815.19
INV. IN ELEV. : 814.46
INV. OUT: 800.19
REMOVE AND INSTALL NEW MANHOLE

EXISTING SANITARY SEWER MANHOLE
TOP ELEV. : 820.83
INV. IN ELEV. : 797.83
INV. OUT: 797.83
REMOVE AND INSTALL NEW MANHOLE

EXISTING 8" PVC SANITARY SEWER MAIN SHALL REMAIN IN PLACE

EXISTING 12" WATER MAIN SHALL REMAIN IN PLACE

EXISTING WATER VALVE SHALL REMAIN IN PLACE

AT&T WILL PLACE PROPOSED BURIED CABLE 1' INSIDE THE BACK OF R/W AT 36" MIN. DEPTH

EXISTING SANITARY SEWER MANHOLE
TOP ELEV. : 823.49
INV. IN ELEV. : 818.39
INV. IN ELEV. : 818.39
INV. OUT: 818.29
ADJUST TO FINISHED GRADE

EXISTING 16" PVC SANITARY SEWER MAIN SHALL BE REPLACED WITH 16" DUCTILE IRON PIPE. INSTALL TEMPORARY BYPASS PUMPING SYSTEM.

EXISTING 20' PERMANENT SANITARY SEWER EASEMENT BK 707 PG 117-120

EXISTING 16" PVC SANITARY SEWER MAIN SHALL BE REPLACED WITH 16" DUCTILE IRON PIPE. INSTALL TEMPORARY BYPASS PUMPING SYSTEM.

EXISTING 8" PVC SANITARY SEWER MAIN SHALL REMAIN IN PLACE

EXISTING (PRIVATE) 8" DI SANITARY SEWER MAIN SHALL REMAIN IN PLACE

NOTES:
1 - CONTRACTOR TO MAINTAIN 12 INCH CLEARANCE BETWEEN PROPOSED WATER MAIN AND STORM PIPE / UNDERGROUND UTILITIES.
2 - CONTRACTOR TO INCLUDE COST FOR ADJUSTING TO AVOID UNDERGROUND UTILITIES IN PAY ITEM FOR WATER MAIN.

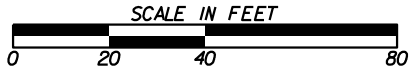
MATCHLINE STA. 156+00.00 SEE DWG. 44-0012

MATCHLINE STA. 162+00.00 SEE DWG. 44-0014

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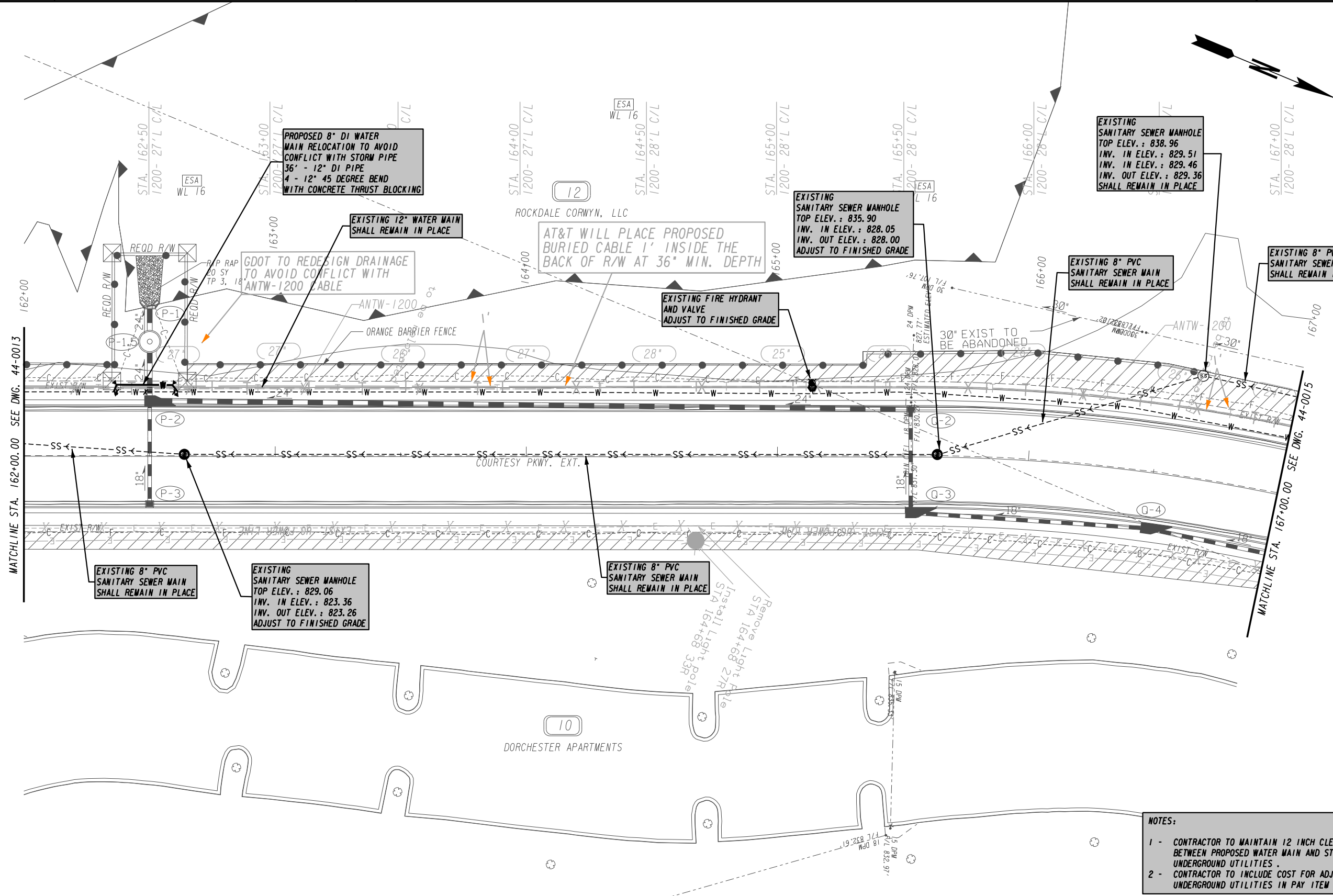
GEORGIA REGISTERED PROFESSIONAL ENGINEER
No. 10963
DAVID J. CEVONE
DAVID J. CEVONE



REVISION DATES	

UTILITY RELOCATION PLANS
COURTESY PARKWAY EXTENSION
ROCKDALE COUNTY

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VERIFIED:	DATE:		



MATCHLINE STA. 162+00.00 SEE DWG. 44-0013

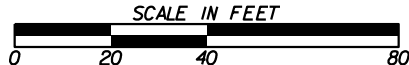
MATCHLINE STA. 167+00.00 SEE DWG. 44-0015

- NOTES:**
- 1 - CONTRACTOR TO MAINTAIN 12 INCH CLEARANCE BETWEEN PROPOSED WATER MAIN AND STORM PIPE / UNDERGROUND UTILITIES .
 - 2 - CONTRACTOR TO INCLUDE COST FOR ADJUSTING TO AVOID UNDERGROUND UTILITIES IN PAY ITEM FOR WATER MAIN.

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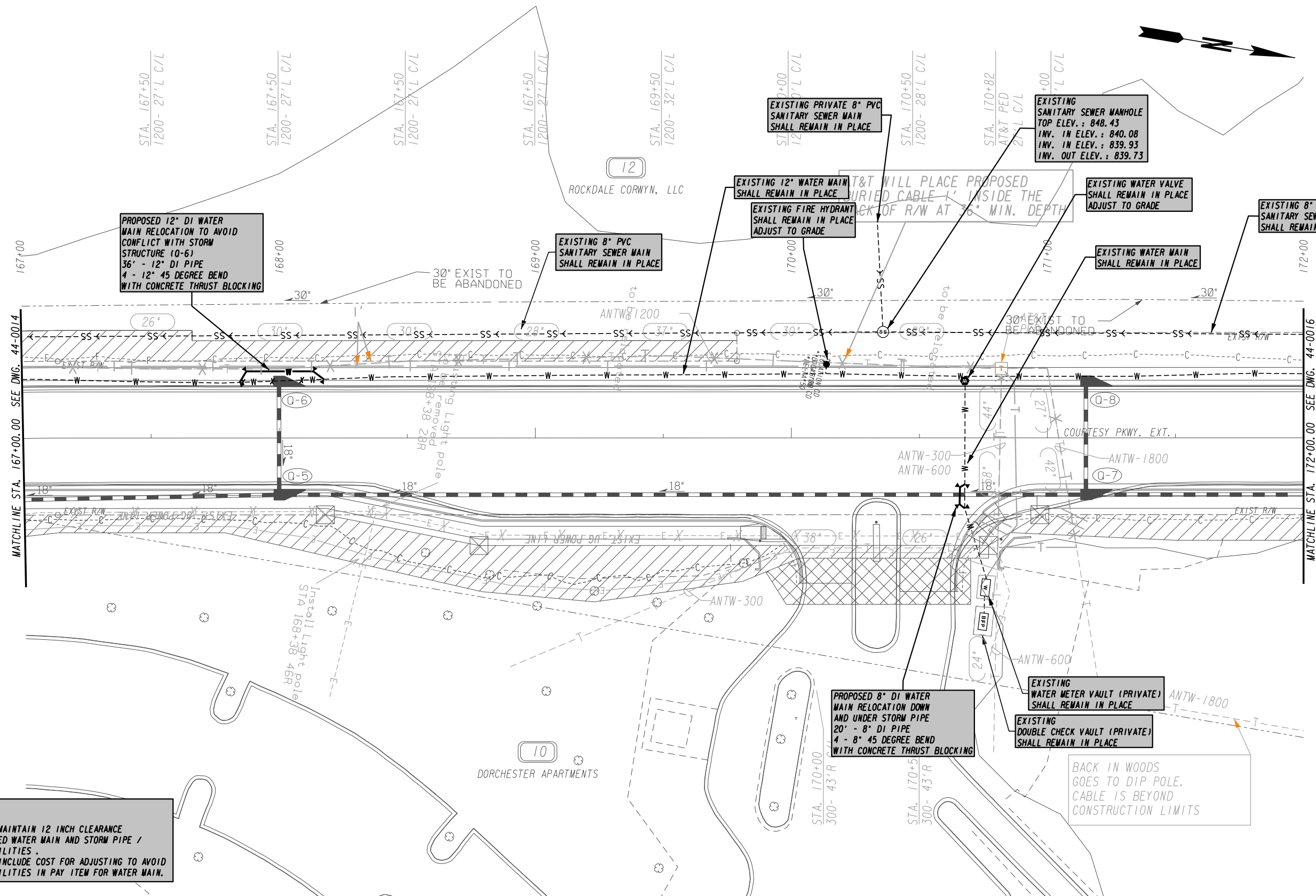
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UTILITY RELOCATION PLANS
COURTESY PARKWAY EXTENSION
ROCKDALE COUNTY

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VERIFIED:	DATE:		



NOTES:

- 1 - CONTRACTOR TO MAINTAIN 12 INCH CLEARANCE BETWEEN PROPOSED WATER MAIN AND STORM PIPE / UNDERGROUND UTILITIES.
- 2 - CONTRACTOR TO INCLUDE COST FOR ADJUSTING TO AVOID UNDERGROUND UTILITIES IN PAY ITEM FOR WATER MAIN.

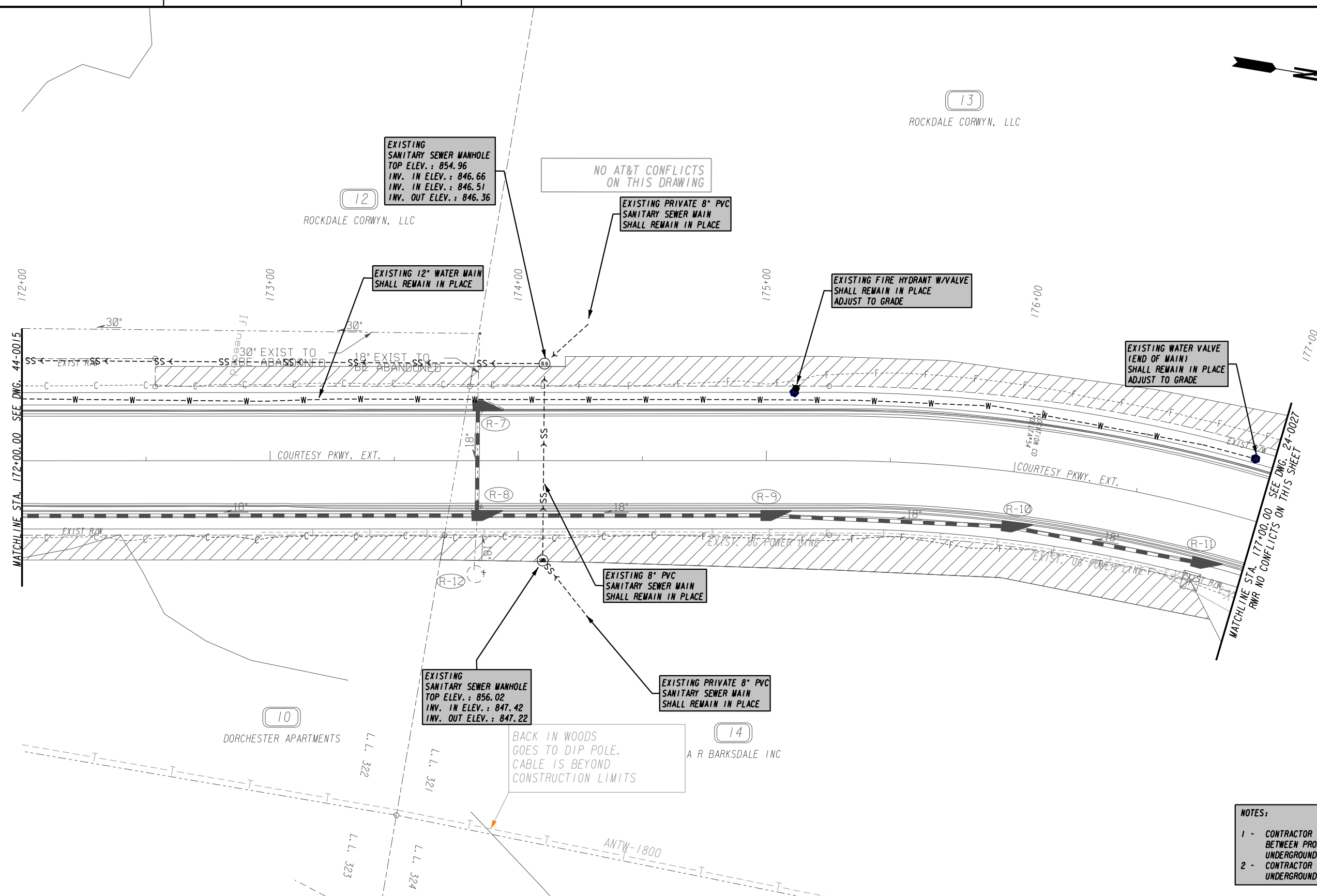
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UTILITY RELOCATION PLANS
COURTESY PARKWAY EXTENSION
ROCKDALE COUNTY

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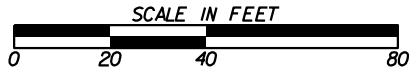


- NOTES:**
- 1 - CONTRACTOR TO MAINTAIN 12 INCH CLEARANCE BETWEEN PROPOSED WATER MAIN AND STORM PIPE / UNDERGROUND UTILITIES .
 - 2 - CONTRACTOR TO INCLUDE COST FOR ADJUSTING TO AVOID UNDERGROUND UTILITIES IN PAY ITEM FOR WATER MAIN.

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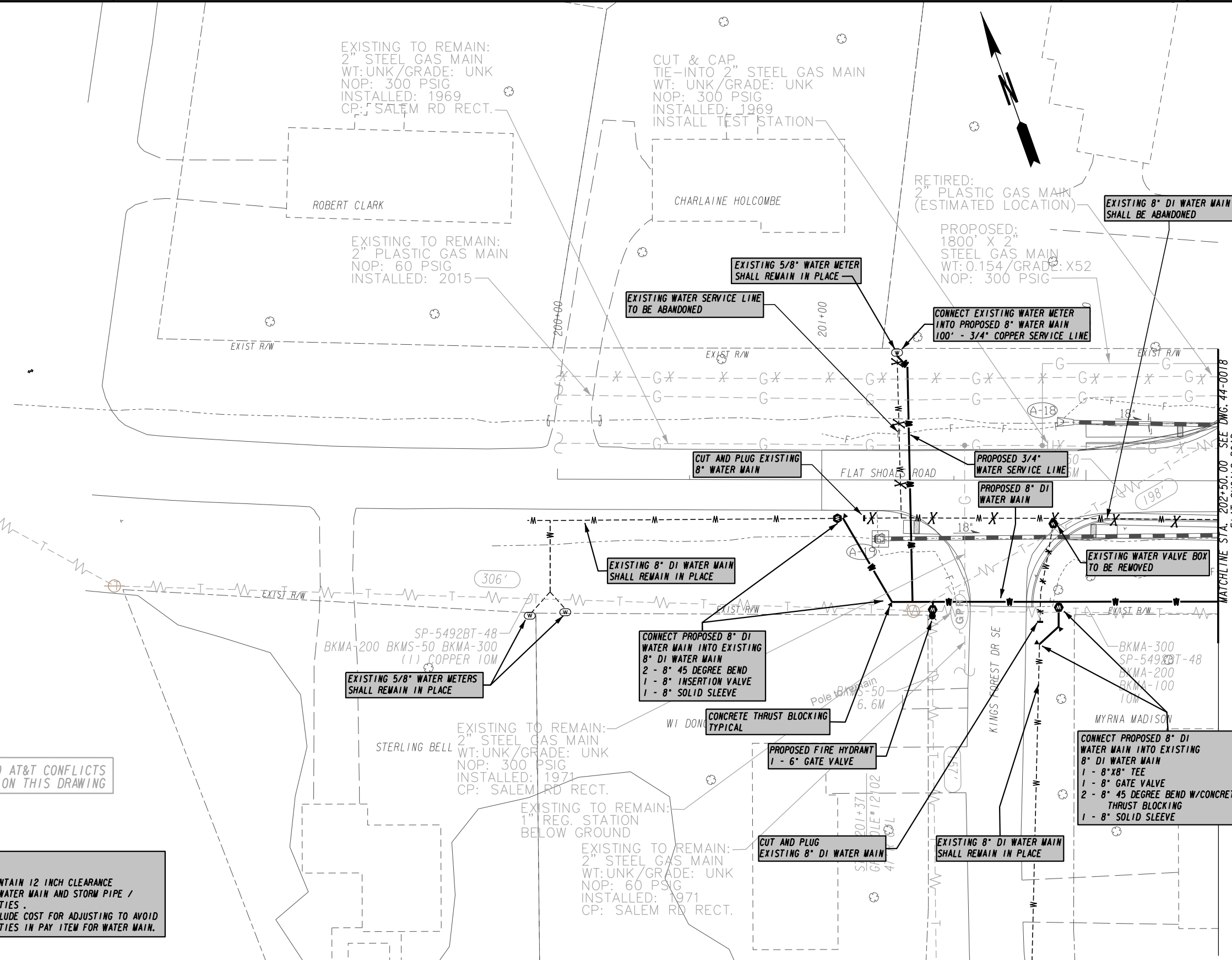
GEORGIA REGISTERED
No. 00963
PROFESSIONAL ENGINEER
David J. Cepone
DAVID J. CEPONE



REVISION DATES	

UTILITY RELOCATION PLANS
COURTESY PARKWAY EXTENSION
ROCKDALE COUNTY

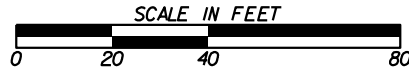
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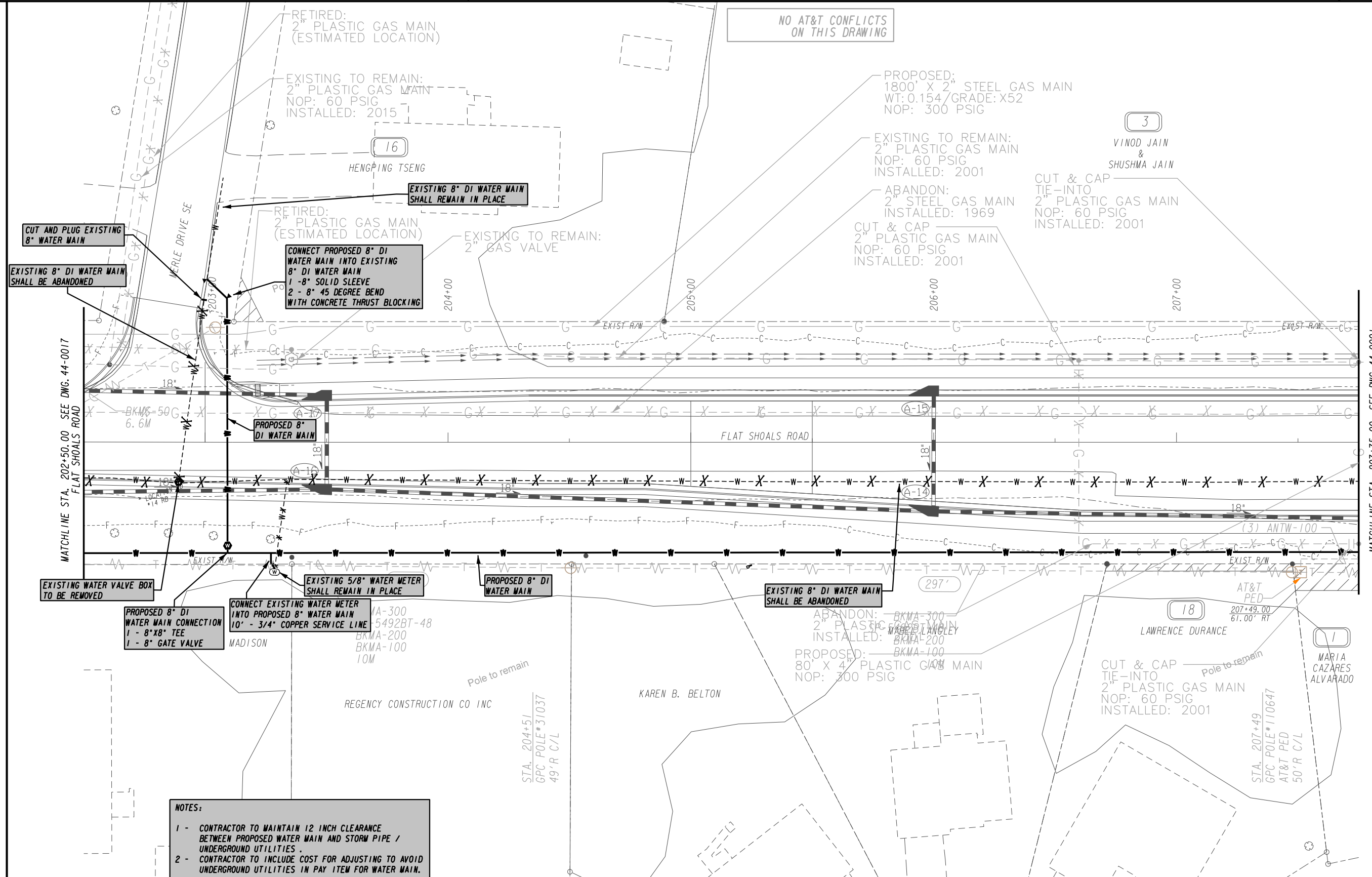
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UTILITY RELOCATION PLANS
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VERIFIED:	DATE:		



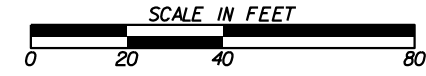
NO AT&T CONFLICTS ON THIS DRAWING



NOTES:

- CONTRACTOR TO MAINTAIN 12 INCH CLEARANCE BETWEEN PROPOSED WATER MAIN AND STORM PIPE / UNDERGROUND UTILITIES.
- CONTRACTOR TO INCLUDE COST FOR ADJUSTING TO AVOID UNDERGROUND UTILITIES IN PAY ITEM FOR WATER MAIN.

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REVISION DATES	

UTILITY RELOCATION PLANS
 COURTESY PARKWAY EXTENSION
 ROCKDALE COUNTY

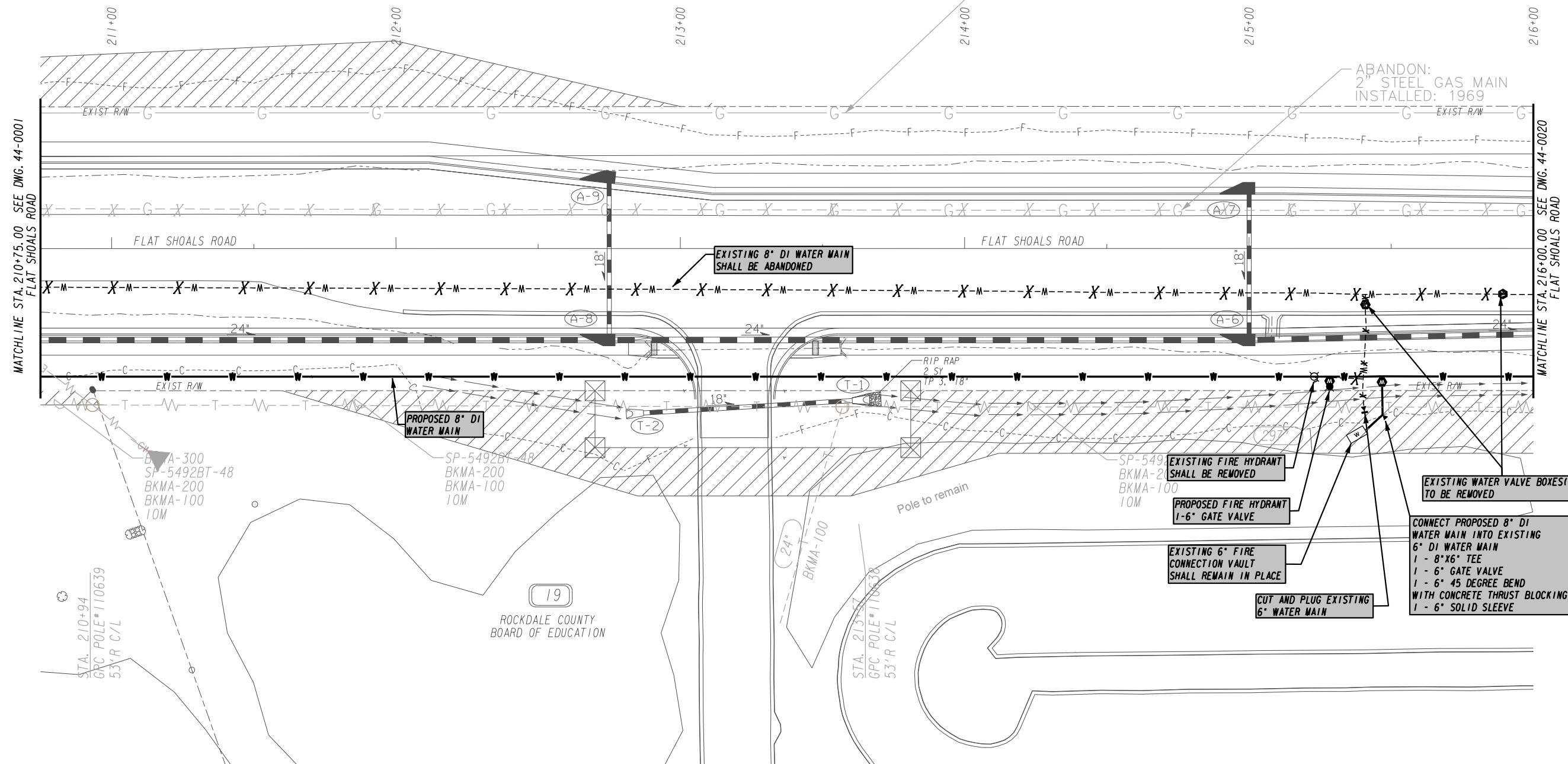
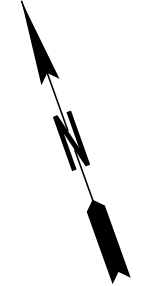
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CORRECTED:	DATE:		
VERIFIED:	DATE:		

NO AT&T CONFLICTS
ON THIS DRAWING

3
VINOD JAIN
&
SHUSHMA JAIN

NOTES:
1 - CONTRACTOR TO MAINTAIN 12 INCH CLEARANCE BETWEEN PROPOSED WATER MAIN AND STORM PIPE / UNDERGROUND UTILITIES.
2 - CONTRACTOR TO INCLUDE COST FOR ADJUSTING TO AVOID UNDERGROUND UTILITIES IN PAY ITEM FOR WATER MAIN.

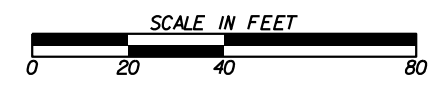
PROPOSED:
2" STEEL GAS MAIN
WT: 0.154 / GRADE: X52
NOP: 300 PSIG



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1329 PORTMAN DRIVE SUITE H
CONYERS, GEORGIA 30094
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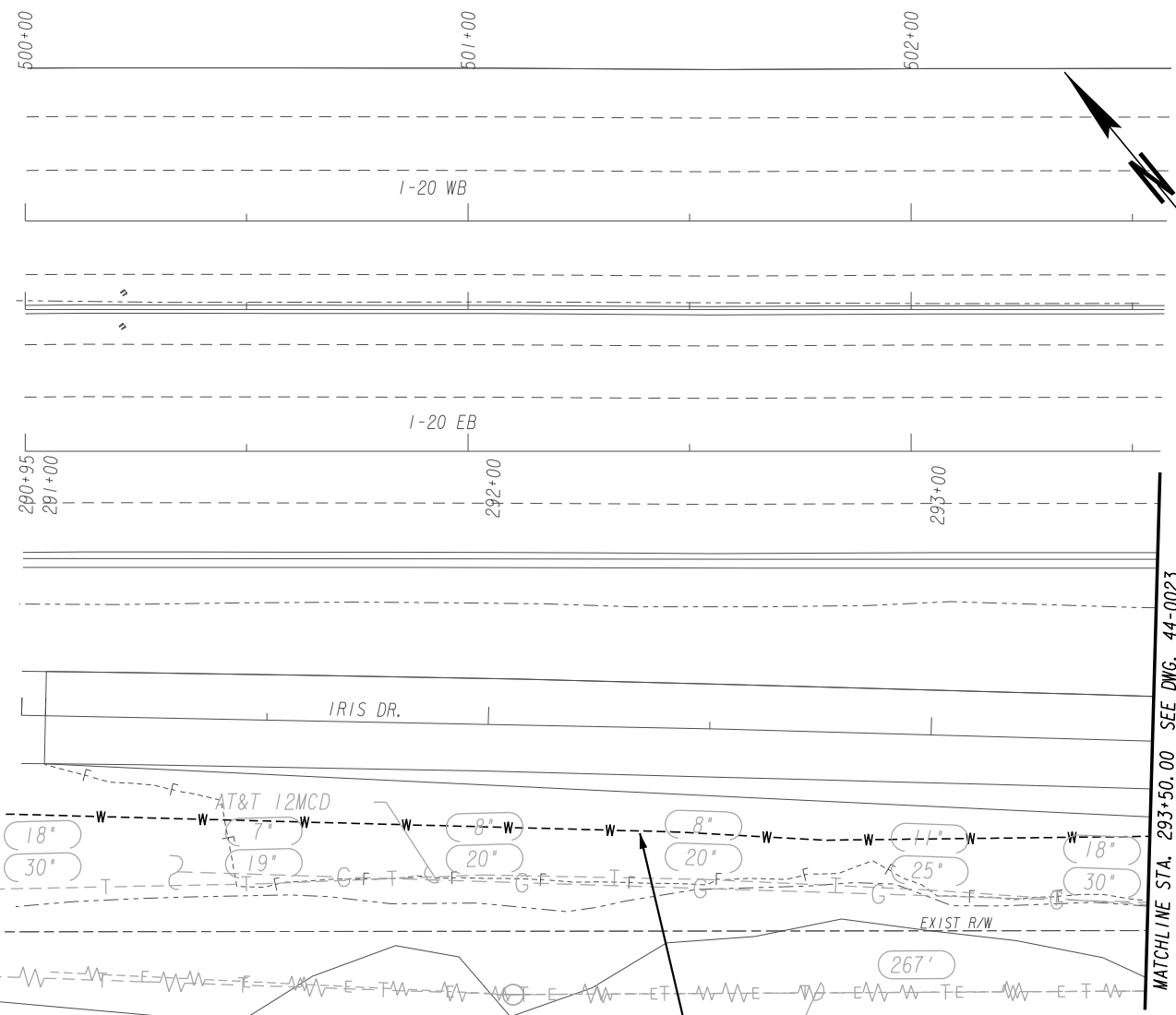
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UTILITY RELOCATION PLANS
COURTESY PARKWAY EXTENSION
ROCKDALE COUNTY

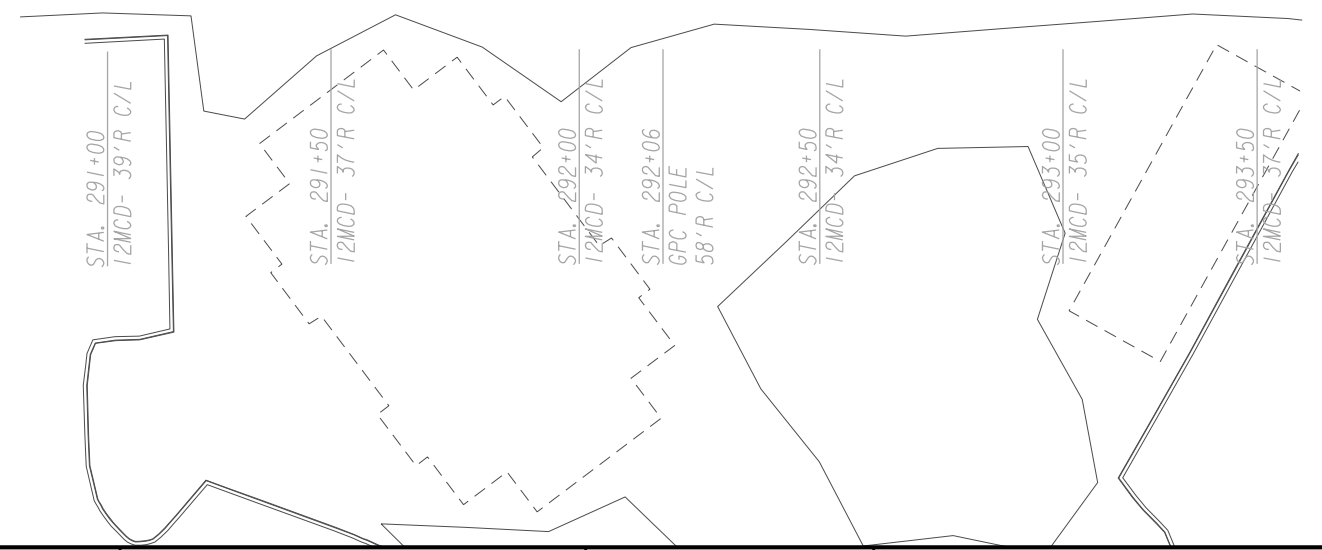
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NO AT&T CONFLICTS ON THIS DRAWING

MATCHLINE STA. 293+50.00 SEE DWG. 44-0023 IRIS DRIVE SE

EXISTING 12" WATER MAIN SHALL REMAIN IN PLACE



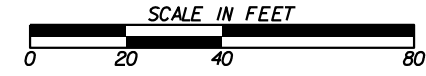
EXIST R/W

WOODLAWN TRACE ATLANTA APARTMENT LP

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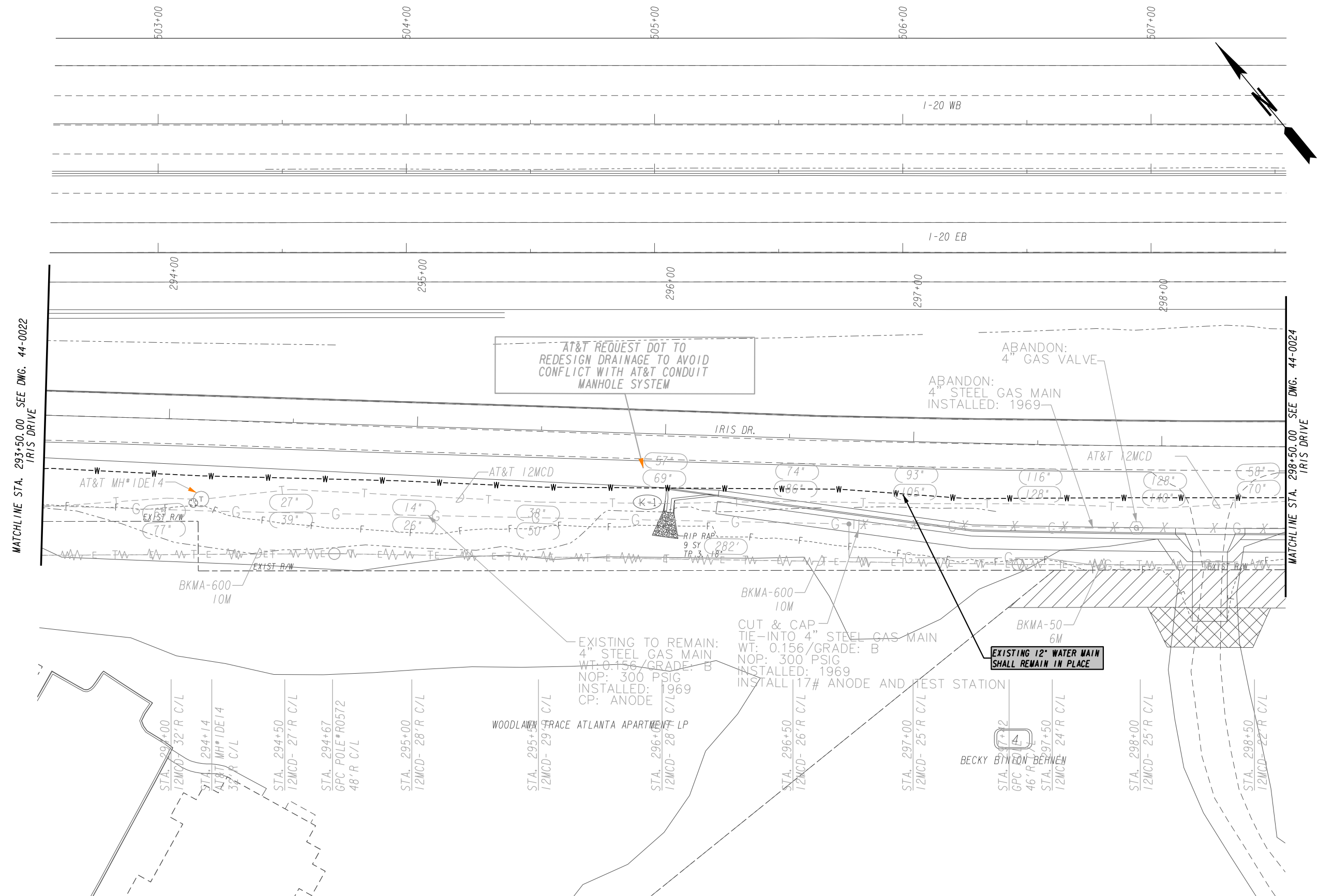
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UTILITY RELOCATION PLANS
COURTESY PARKWAY EXTENSION
ROCKDALE COUNTY

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VERIFIED:	DATE:		



MATCHLINE STA. 293+50.00 SEE DWG. 44-0022
IRIS DRIVE

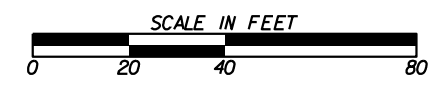
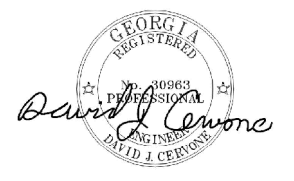
MATCHLINE STA. 298+50.00 SEE DWG. 44-0024
IRIS DRIVE

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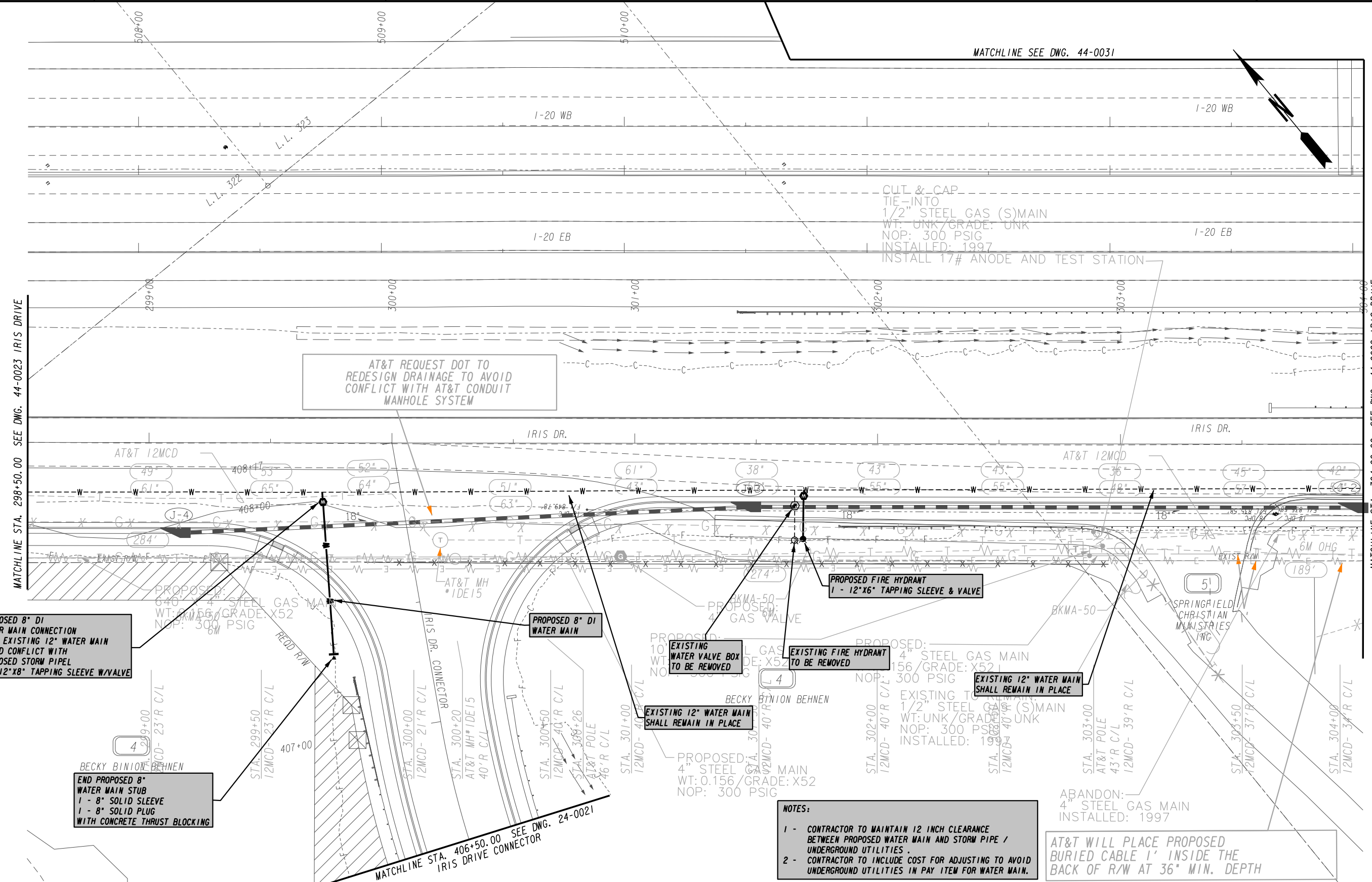


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UTILITY RELOCATION PLANS
COURTESY PARKWAY EXTENSION
ROCKDALE COUNTY



PROPOSED 8" DI WATER MAIN CONNECTION INTO EXISTING 12" WATER MAIN AVOID CONFLICT WITH PROPOSED STORM PIPEL 1 - 12"x8" TAPPING SLEEVE W/VALVE

END PROPOSED 8" WATER MAIN STUB 1 - 8" SOLID SLEEVE 1 - 8" SOLID PLUG WITH CONCRETE THRUST BLOCKING

PROPOSED 8" DI WATER MAIN

EXISTING WATER VALVE BOX TO BE REMOVED

EXISTING FIRE HYDRANT TO BE REMOVED

EXISTING 12" WATER MAIN SHALL REMAIN IN PLACE

EXISTING 12" WATER MAIN SHALL REMAIN IN PLACE

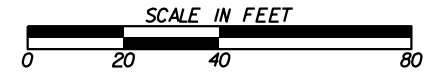
NOTES:
 1 - CONTRACTOR TO MAINTAIN 12 INCH CLEARANCE BETWEEN PROPOSED WATER MAIN AND STORM PIPE / UNDERGROUND UTILITIES.
 2 - CONTRACTOR TO INCLUDE COST FOR ADJUSTING TO AVOID UNDERGROUND UTILITIES IN PAY ITEM FOR WATER MAIN.

AT&T WILL PLACE PROPOSED BURIED CABLE 1' INSIDE THE BACK OF R/W AT 36" MIN. DEPTH

ROCKDALE WATER RESOURCES
 1329 PORTMAN DRIVE SUITE H
 CONYERS, GEORGIA 30094
 PHONE (770)278-7432



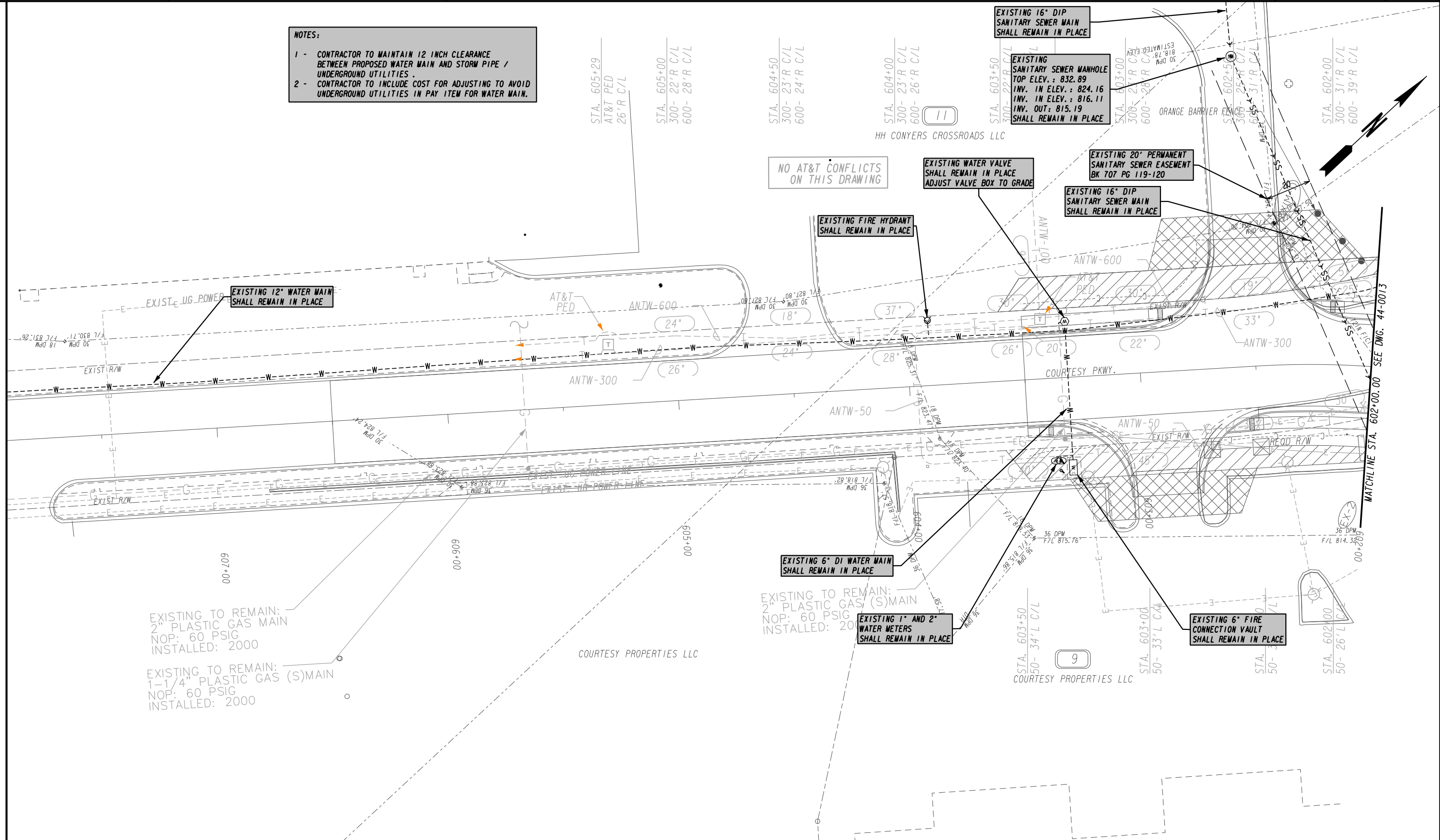
Know what's below.
 Call before you dig.



REVISION DATES	

UTILITY RELOCATION PLANS COURTESY PARKWAY EXTENSION ROCKDALE COUNTY			
CHECKED:	DATE:	DRAWING No.	SHEET No.
BACKCHECKED:	DATE:	44-0024	17
CORRECTED:	DATE:		
VERIFIED:	DATE:		

NOTES:
 1 - CONTRACTOR TO MAINTAIN 12 INCH CLEARANCE BETWEEN PROPOSED WATER MAIN AND STORM PIPE / UNDERGROUND UTILITIES .
 2 - CONTRACTOR TO INCLUDE COST FOR ADJUSTING TO AVOID UNDERGROUND UTILITIES IN PAY ITEM FOR WATER MAIN.



EXISTING TO REMAIN:
 2" PLASTIC GAS MAIN
 NOP: 60 PSIG
 INSTALLED: 2000

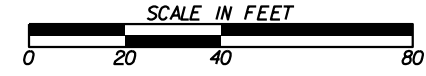
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 1-1/4" PLASTIC GAS (S)MAIN
 NOP: 60 PSIG
 INSTALLED: 2000

EXISTING TO REMAIN:
 2" PLASTIC GAS (S)MAIN
 NOP: 60 PSIG
 INSTALLED: 2000

EXISTING 1" AND 2" WATER METERS SHALL REMAIN IN PLACE

EXISTING 6" FIRE CONNECTION VAULT SHALL REMAIN IN PLACE

R
 ROCKDALE WATER RESOURCES
 1329 PORTMAN DRIVE SUITE H
 CONYERS, GEORGIA 30094
 PHONE (770)278-7432

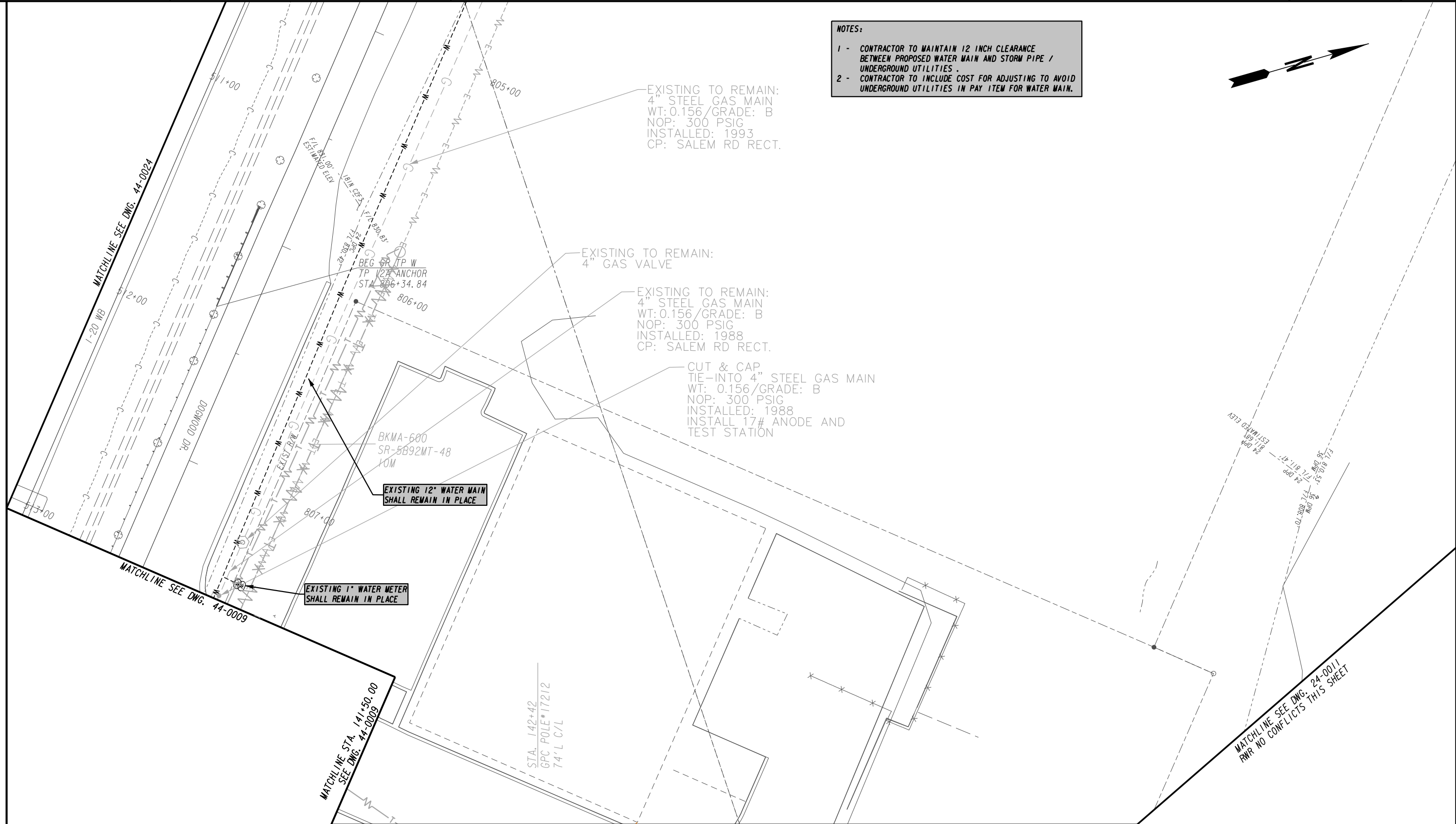


REVISION DATES	

UTILITY RELOCATION PLANS
 COURTESY PARKWAY EXTENSION
 ROCKDALE COUNTY

CHECKED:	DATE:	DRAWING No.	SHEET No.
BACKCHECKED:	DATE:	44-0025	18
CORRECTED:	DATE:		
VERIFIED:	DATE:		

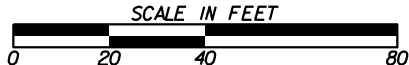
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 2 - CONTRACTOR TO INCLUDE COST FOR ADJUSTING TO AVOID UNDERGROUND UTILITIES IN PAY ITEM FOR WATER MAIN.



R
 ROCKDALE WATER RESOURCES
 1329 PORTMAN DRIVE SUITE H
 CONYERS, GEORGIA 30094
 PHONE (770)278-7432



Know what's below.
 Call before you dig.

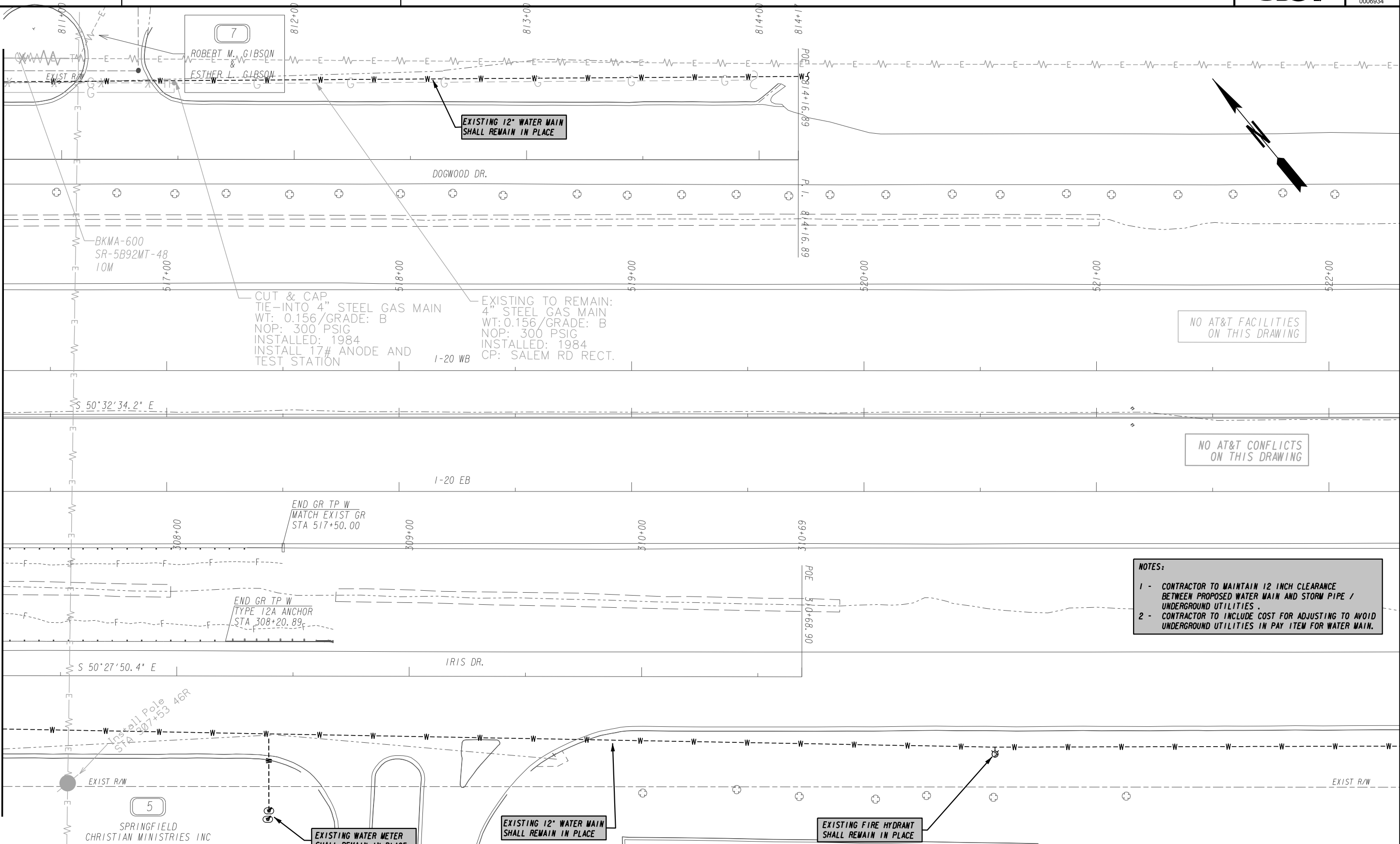


REVISION DATES	

UTILITY RELOCATION PLANS
 COURTESY PARKWAY EXTENSION
 ROCKDALE COUNTY

CHECKED:	DATE:	DRAWING No.	SHEET No.
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CORRECTED:	DATE:		
VERIFIED:	DATE:		

MATCHLINE STA. 307+25.00 SEE DWG. 44-0009 IRIS DRIVE SE

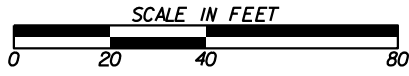


NO AT&T FACILITIES ON THIS DRAWING

NO AT&T CONFLICTS ON THIS DRAWING

- NOTES:**
- CONTRACTOR TO MAINTAIN 12 INCH CLEARANCE BETWEEN PROPOSED WATER MAIN AND STORM PIPE / UNDERGROUND UTILITIES.
 - CONTRACTOR TO INCLUDE COST FOR ADJUSTING TO AVOID UNDERGROUND UTILITIES IN PAY ITEM FOR WATER MAIN.

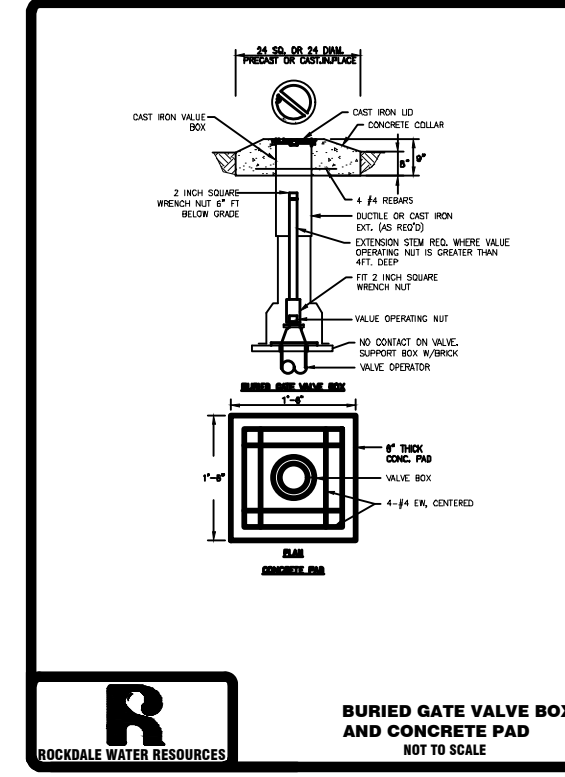
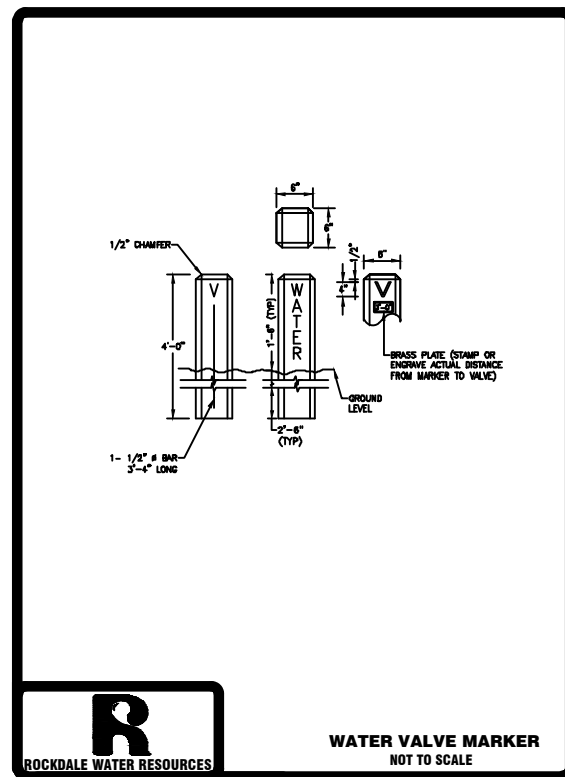
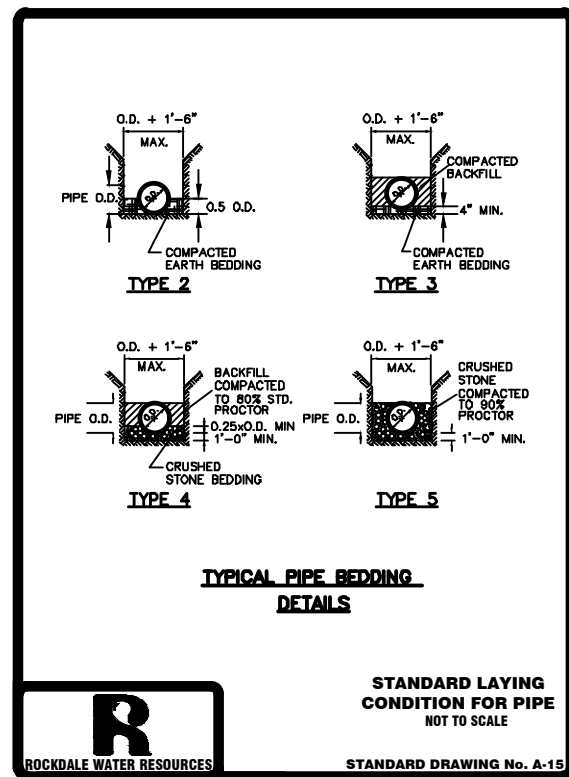
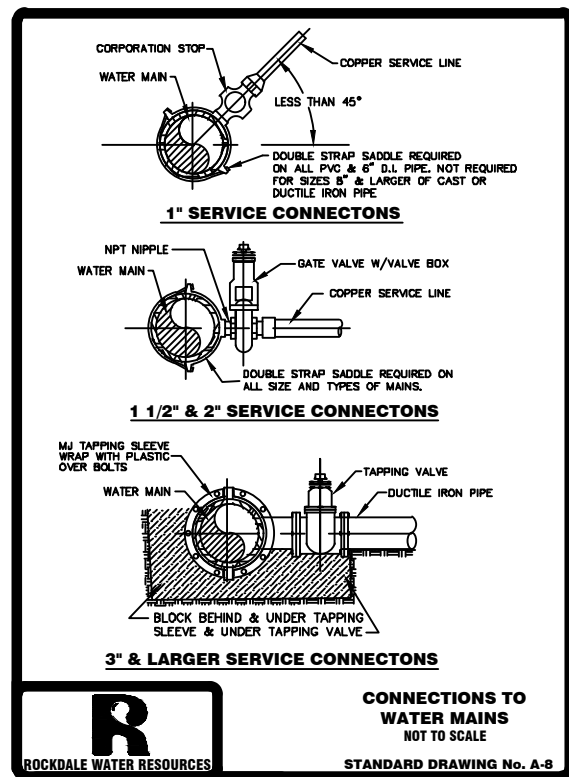
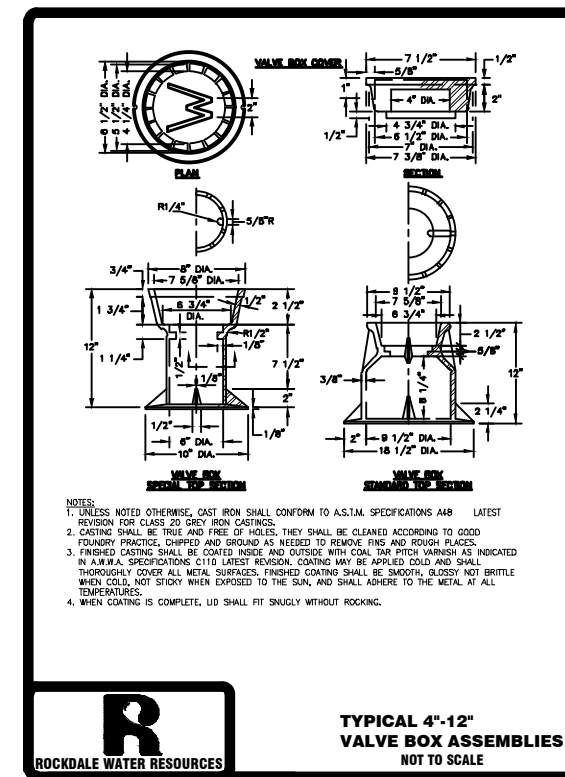
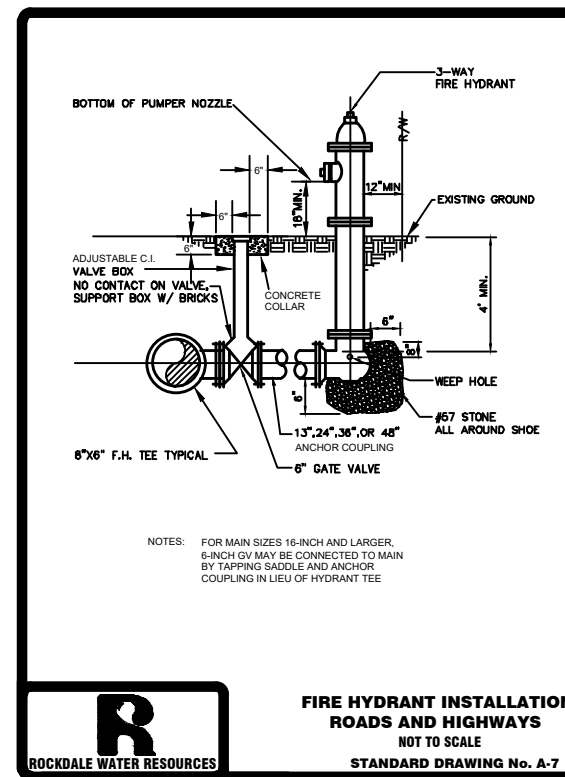
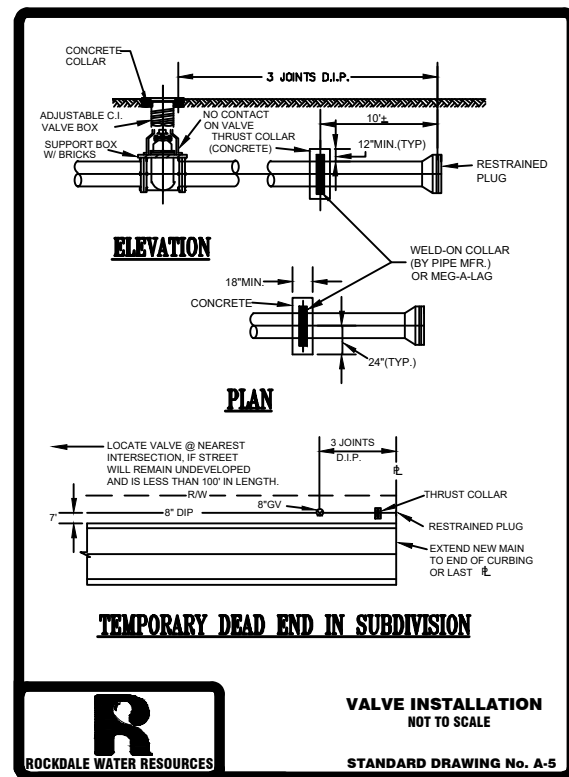
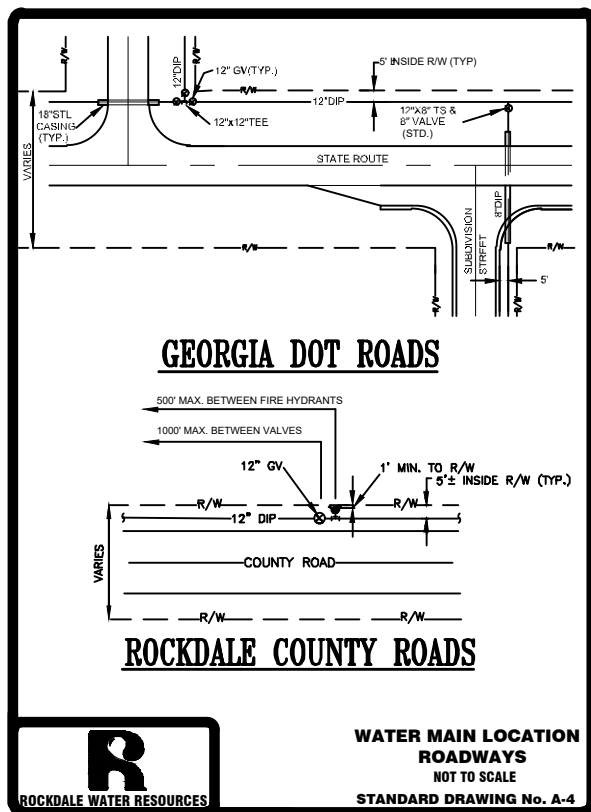
R
ROCKDALE WATER RESOURCES
1329 PORTMAN DRIVE SUITE H
CONYERS, GEORGIA 30094
PHONE (770)278-7432



REVISION DATES	

UTILITY RELOCATION PLANS
COURTESY PARKWAY EXTENSION
ROCKDALE COUNTY

CHECKED:	DATE:	DRAWING No.	SHEET No.
BACKCHECKED:	DATE:		
CORRECTED:	DATE:	44-0031	20
VERIFIED:	DATE:		



ROCKDALE WATER RESOURCES

1320 PORTMAN DRIVE SUITE H
CONYERS, GEORGIA 30004
PHONE (770)278-7432 FAX (770)916-8529

GEORGIA811

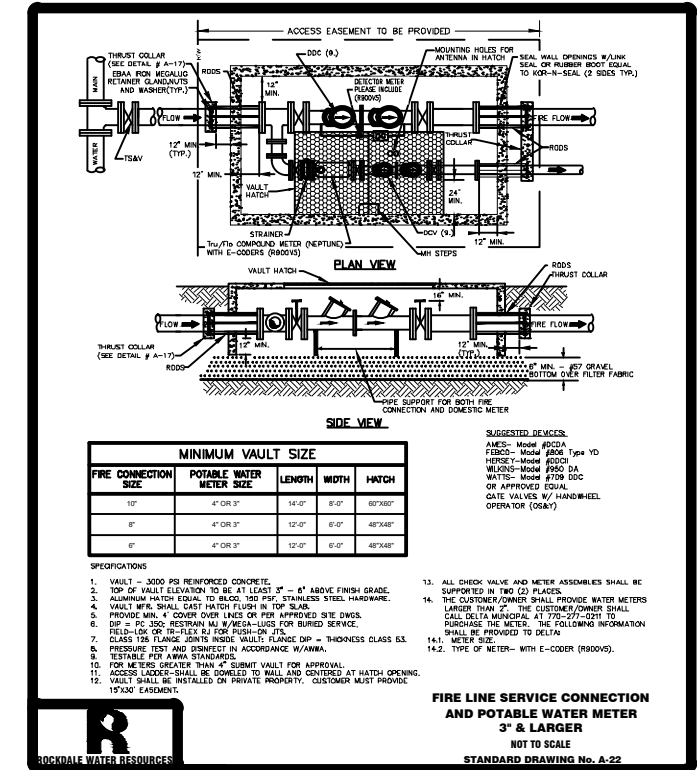
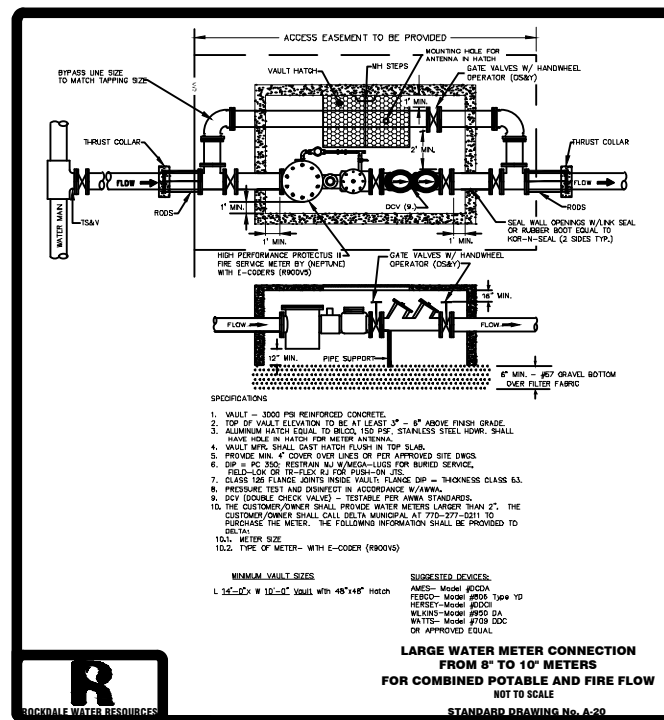
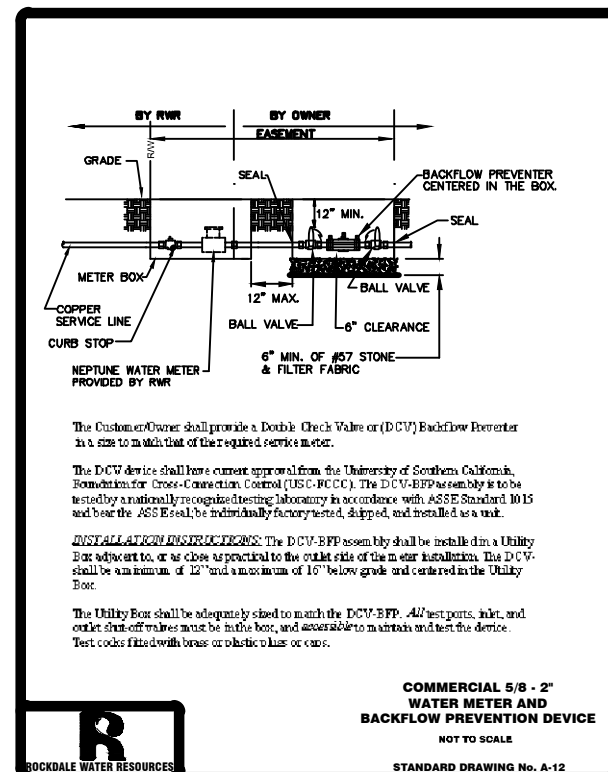
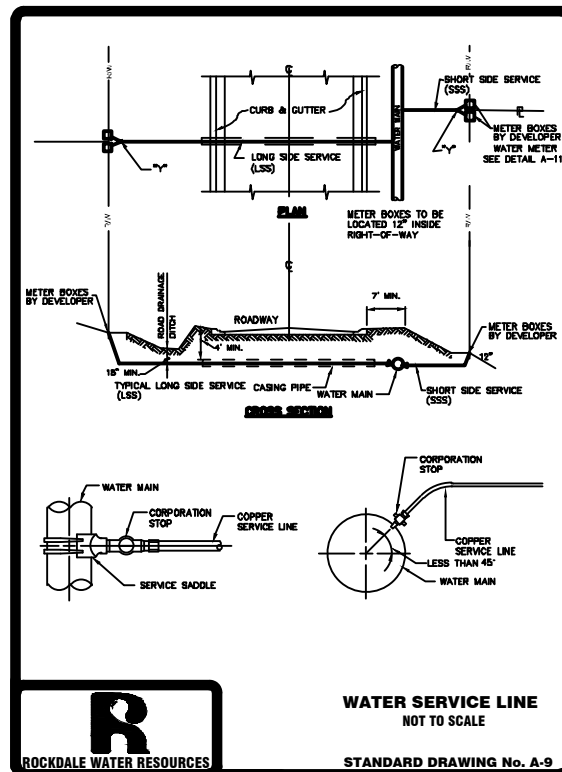
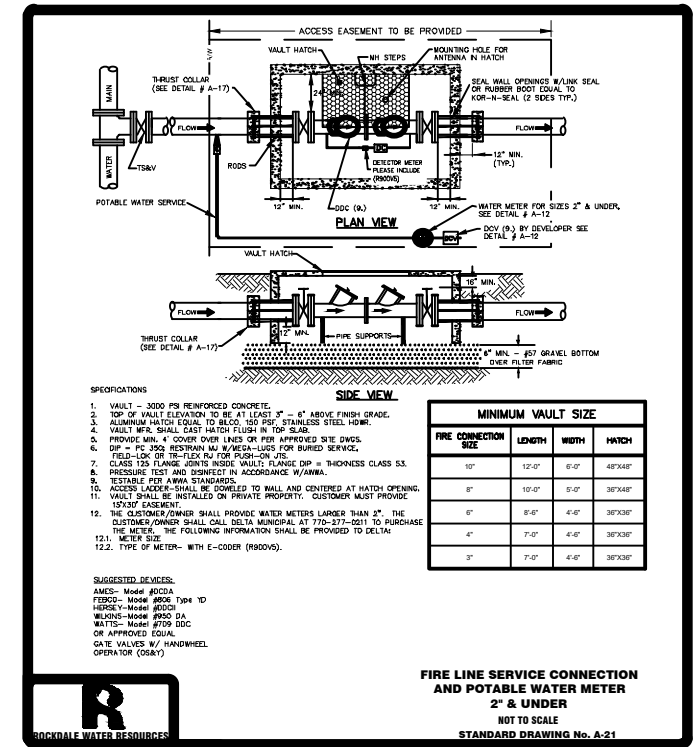
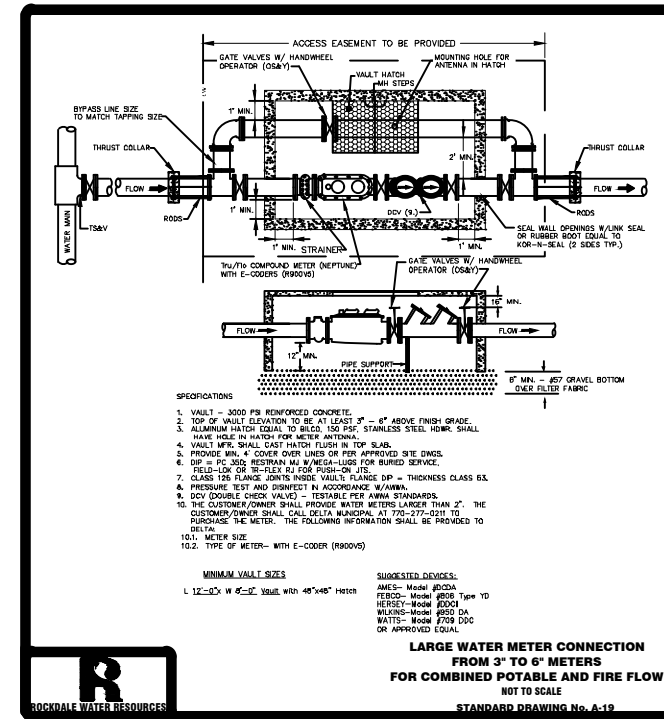
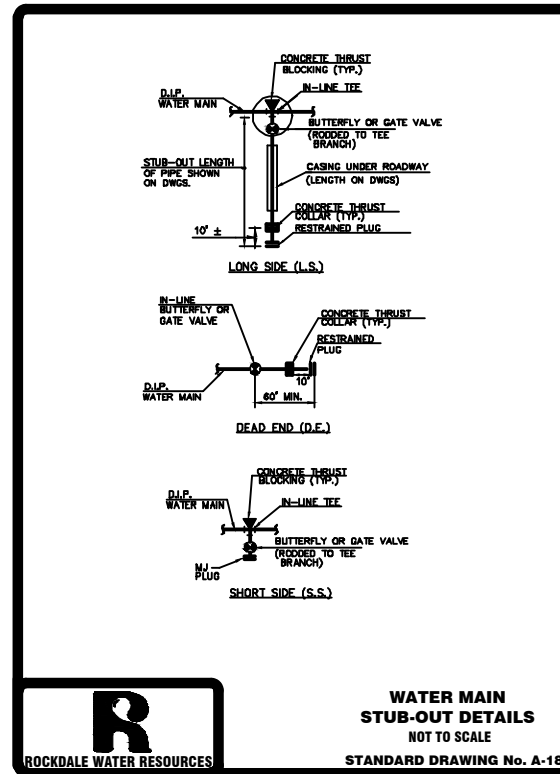
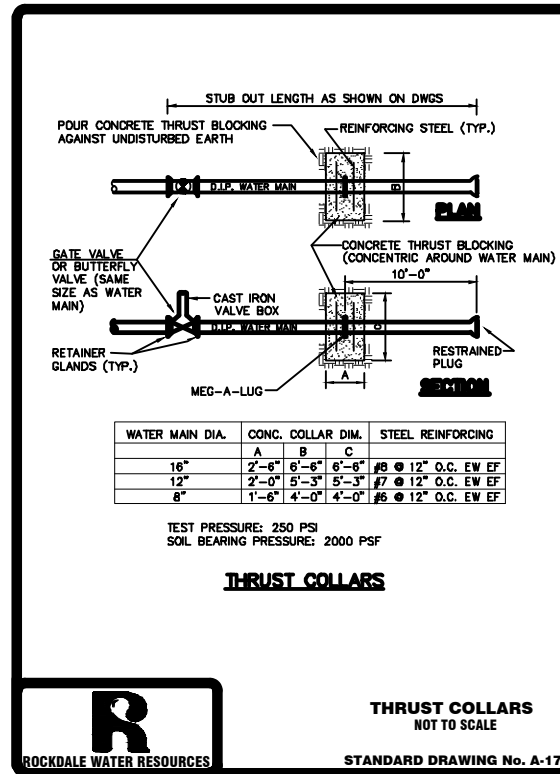
www.Georgia811.com

GEORGIA REGISTERED PROFESSIONAL ENGINEER
DAVID J. CROWNE

NOT TO SCALE

REVISION DATES	

UTILITY RELOCATION PLANS WATER DETAILS COURTESY PARKWAY EXTENSION ROCKDALE COUNTY			
CHECKED:		DATE	
BACKCHECKED:		DATE	
CORRECTED:		DATE	
VERIFIED:		DATE	
DRAWING No.		SHEET No.	
44-000D1		21	



1320 PORTMAN DRIVE SUITE H
CONYERS, GEORGIA 30094
PHONE (770)278-7432 FAX (770)916-8529

ROCKDALE WATER RESOURCES

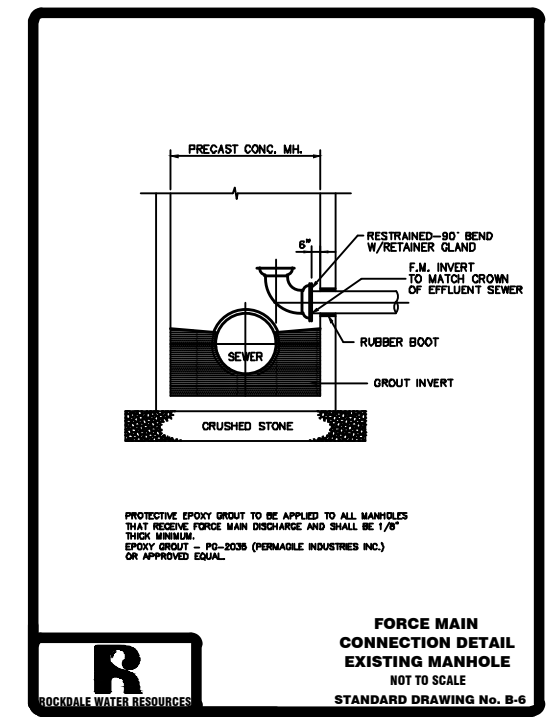
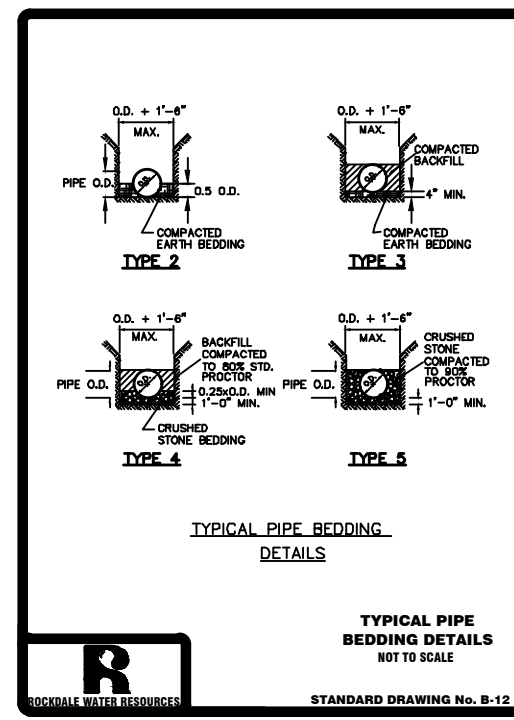
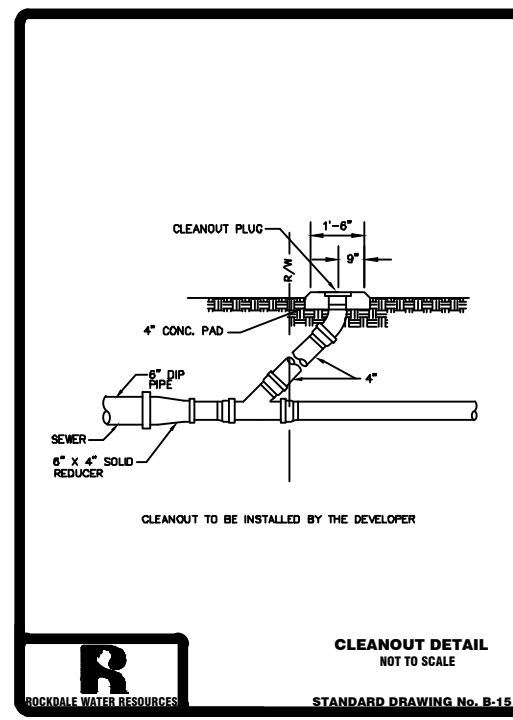
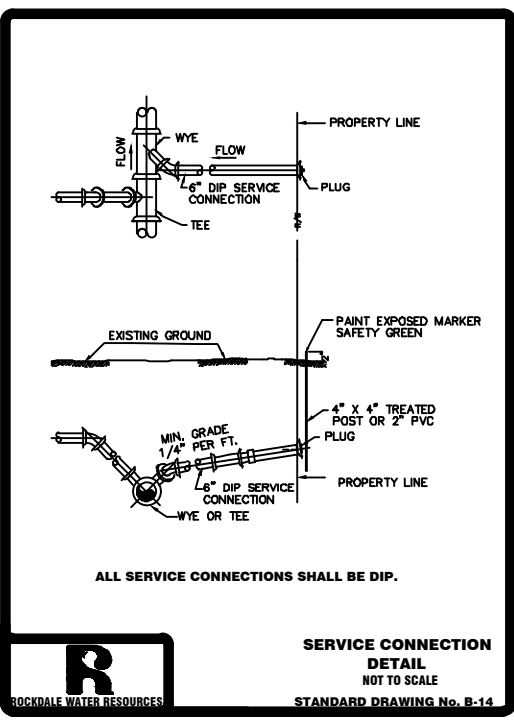
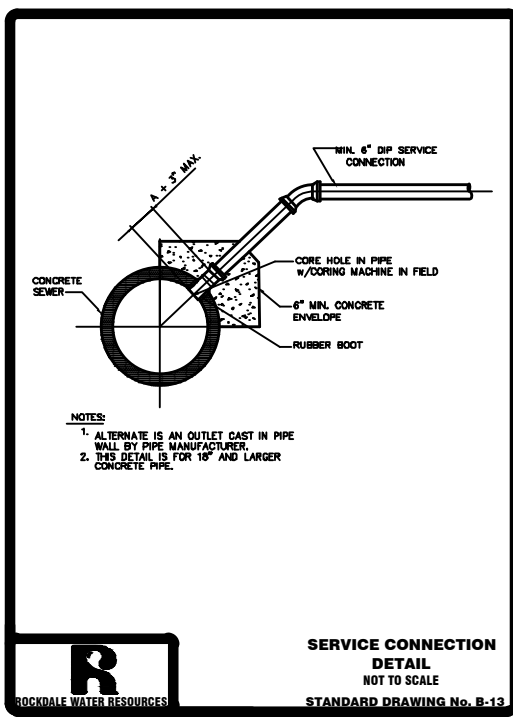
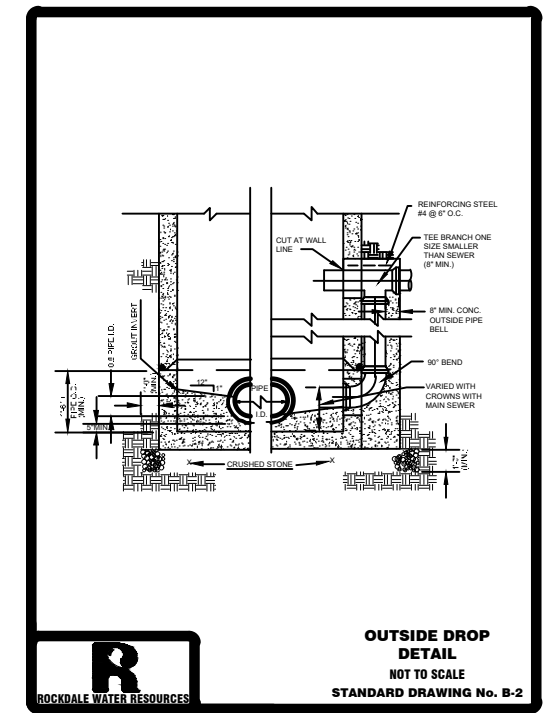
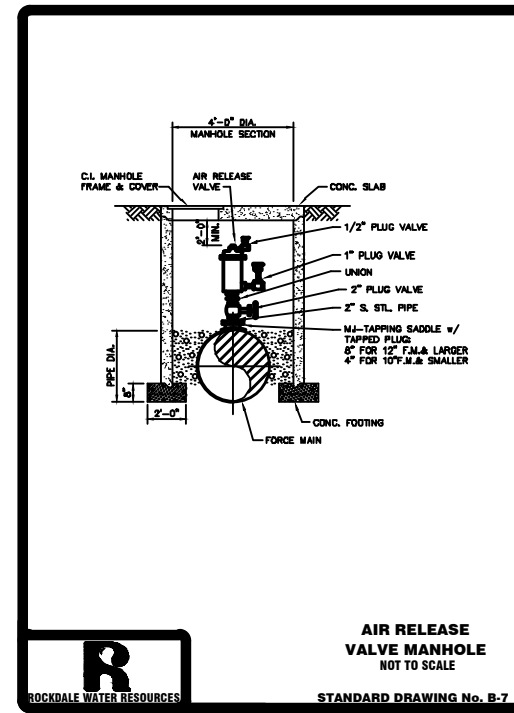
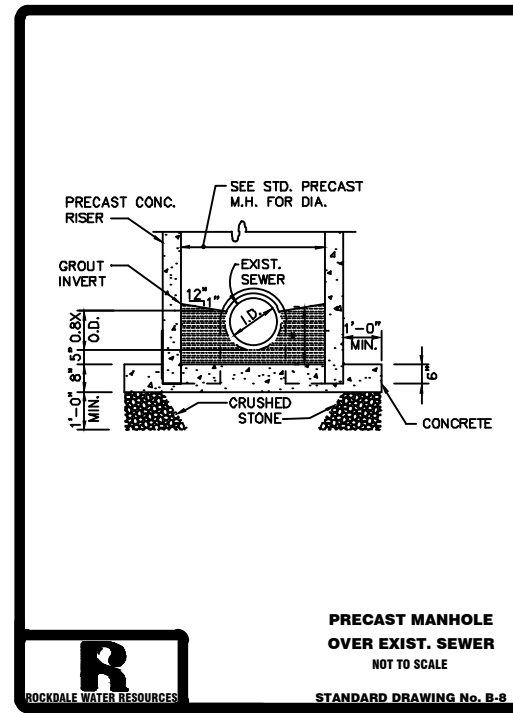
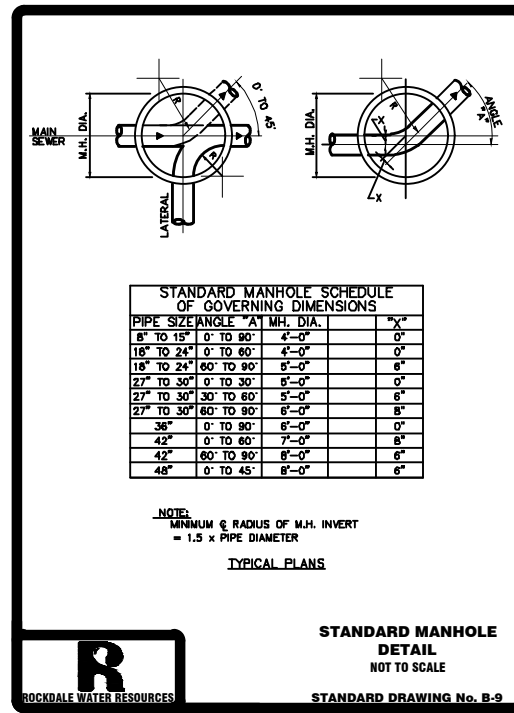
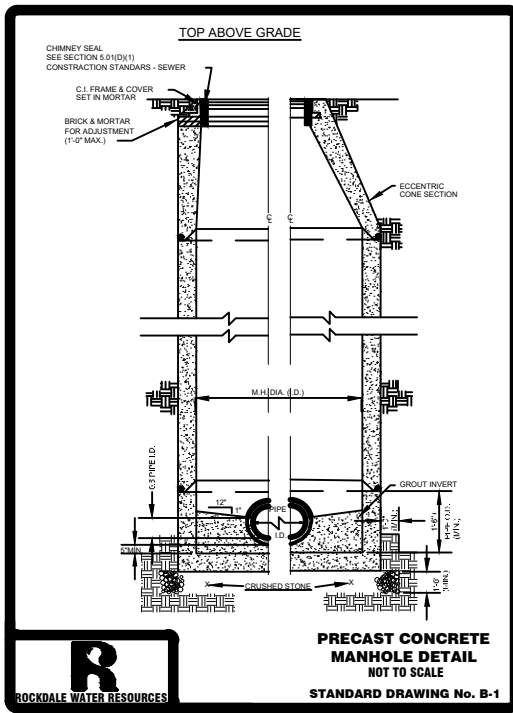


NOT TO SCALE

REVISION DATES

UTILITY RELOCATION PLANS
WATER DETAILS
COURTESY PARKWAY EXTENSION
ROCKDALE COUNTY

CHECKED:	DATE	DRAWING No.	SHEET No.
BACK-CHECKED:	DATE	44-0002	22
CORRECTED:	DATE		
VERIFIED:	DATE		



1320 PORTMAN DRIVE SUITE H
CONYERS, GEORGIA 30004
PHONE (770)278-7432 FAX (770)916-6529

ROCKDALE WATER RESOURCES

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GEORGIA REGISTERED
PROFESSIONAL ENGINEER
DAVID J. CERYONE

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REVISION DATES	

UTILITY RELOCATION PLANS
SEWER DETAILS
COURTESY PARKWAY EXTENSION
ROCKDALE COUNTY

CHECKED:	DATE:	DRAWING No.	SHEET No.
BACK-CHECKED:	DATE:	44-000D3	23
CORRECTED:	DATE:		
VERIFIED:	DATE:		



VICINITY MAP (N.T.S.)

This project has been prepared using the Horizontal Georgia Coordinate System of 1984(NAD 1983)/94 West Zone, and the North American Vertical Datum (NAVD) of 1988.

DEPARTMENT OF TRANSPORTATION ROCKDALE COUNTY

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

COURTESY PKWY. EXT. FROM FLAT SHOALS RD TO OLD COVINGTON HWY FEDERAL AID PROJECT

CSSTP-0006-00(934)
ROCKDALE COUNTY

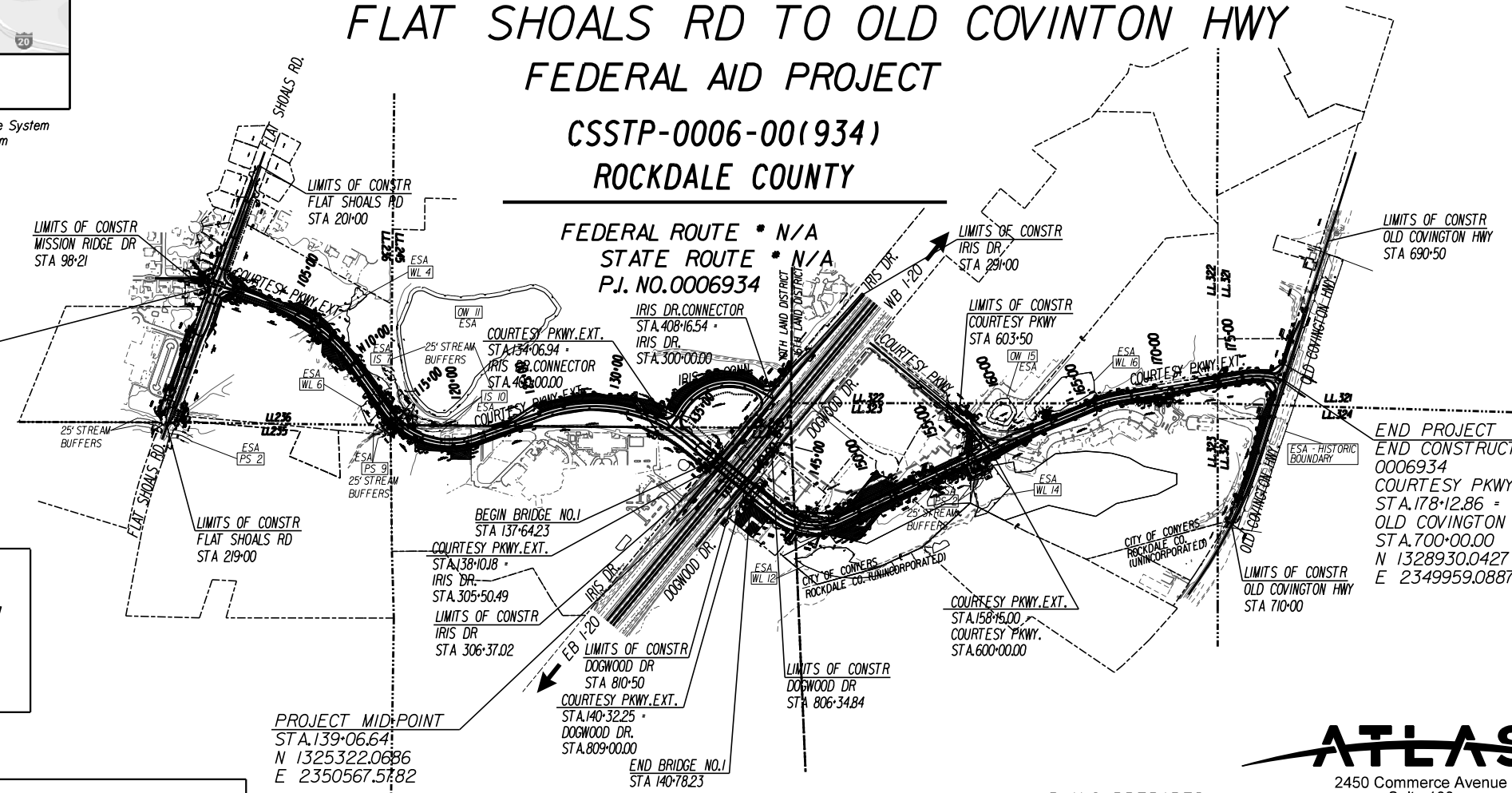
"I certify that this Erosion, Sedimentation and Pollution Control Plan has been prepared in accordance with Part IV, of the General NPDES Permit No. GARI00002."

"I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for an appropriate and comprehensive system of best management practices required by the Georgia Water Quality Control Act and the document 'Manual for Erosion and Sediment Control in Georgia' (Manual) published by the State Soil and Water Conservation Commission as of January 1 of the year in which the land disturbing activity was permitted, provides for sampling of the receiving water(s) or the sampling of the storm water outfalls and that the designed system of best management practices and sampling methods is expected to meet the requirements contained in the General NPDES Permit No. GARI00002."

"I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for the monitoring of: (a) all perennial and intermittent streams and other water bodies shown on the USGS topographic map and all other field verified perennial and intermittent streams and other water bodies, or (b) where any such specific identified perennial or intermittent stream and other water body is not proposed to be sampled, I have determined in my professional judgment, utilizing the factors required in the General NPDES Permit No. GARI00002, that the increase in the turbidity of each specific identified sampled receiving water will be representative of the increase in the turbidity of a specific identified un-sampled receiving water."

"I certify under penalty of law that this plan was prepared after a site visit to the location described herein by myself or my authorized agent, under my direct supervision."

B. Mark Hanson
B. MARK HANSON
GSWCC LEVEL II Certification *000004987



BEGIN PROJECT
BEGIN CONSTRUCTION
0006934
COURTESY PKWY. EXT.
STA. 100+00.00 =
FLAT SHOALS RD.
STA. 209+24.36
N 1321967.1692
E 2349337.8211

END PROJECT
END CONSTRUCTION
0006934
COURTESY PKWY. EXT.
STA. 178+12.86 =
OLD COVINGTON HWY.
STA. 700+00.00
N 1328930.0427
E 2349959.0887

BEGIN-POINT COORDINATES
Longitude: -83.9933°
Latitude: 33.6341°
MID-POINT COORDINATES
Longitude: -83.9893°
Latitude: 33.6433°
END-POINT COORDINATES
Longitude: -83.9912°
Latitude: 33.6532°

PRIMARY PERMITTEE

GEORGIA DEPARTMENT OF TRANSPORTATION
600 West Peachtree Street North West
Atlanta, Georgia 30308
Phone: (404) 631-1990
Email: espcc@dot.ga.gov

24 HOUR CONTACT:

Name _____

Street Address _____

City, State Zip _____

Phone Number _____

Email Address _____

Contractor shall complete the information in this box.



LENGTH OF PROJECT	COUNTY No. 247	
	P.J. No. 0006934	
	MILES	
NET LENGTH OF ROADWAY	1.4203	
NET LENGTH OF BRIDGES	0.0595	
NET LENGTH OF PROJECT	1.4798	
NET LENGTH OF EXCEPTIONS	0.0000	
GROSS LENGTH OF PROJECT	1.4798	

PLANS PREPARED BY:



2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

ATLAS TECHNICAL CONSULTANTS



0000004987

GSWCC LEVEL II Certification Number

PLANS COMPLETED 03-08-2024				
REVISIONS				
DATE	ENTITY REQUESTING REVISION(S)	DRAWING NUMBER(S)	SIGNATURE	GSWCC LEVEL II CERT.*
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
INFRASTRUCTURE CONSTRUCTION PROJECTS

SWCD: Rockdale County SWCD

Project Name: Courtesy PKWY Extension Address: LAT 33.6433° LON 83.9893

Local Issuing Authority: Rockdale County Date on Plans:

Name & email of person filling out checklist: Mark Hanson, mark.hanson@oetlas.com

Plan Page # Included Y/N

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Table with 2 columns: Plan Page #, Included Y/N. Row 1: 50-0001, Y

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Table with 2 columns: Plan Page #, Included Y/N. Row 1: 51-0002, Y

TO BE SHOWN ON ES&PC PLAN

- 1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted.
2 Level II certification number issued by the Commission, signature and seal of the certified design professional.
3 The name and phone number of the 24-hour contact responsible for erosion, sedimentation and pollution controls.
4 Provide the name, address, email address, and phone number of primary permittee.
5 Note total and disturbed acreages of the project or phase under construction.
6 Provide the GPS locations of the beginning and end of the Infrastructure project. Give the Latitude and Longitude in decimal degrees.
7 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
8 Descriptions of the nature of construction activity and existing site conditions.
9 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
10 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
11 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on Part IV page 21 of the permit.
12 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on Part IV page 20 of the permit.
13 Design professional certification statement and signature that the permittee's ES&PC Plan provides for representative sampling as stated on Part IV.D.6.c.(3) page 37 of the permit as applicable.
14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements, perimeter control BMPs, and sediment basins within 7 days after installation." in accordance with Part IV.A.5 page 26 of the permit.
15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wooded vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
17 Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional."
18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit."
19 Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."
20 Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."
21 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
22 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of a Biologically Impaired Stream Segment must comply with Part III. C. of the permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment.
23 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan.
24 BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited.
25 Provide BMPs for the remediation of all petroleum spills and leaks.
26 Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed.
27 Description of practices to provide cover for building materials and building products on site.

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Table with 2 columns: Plan Page #, Included Y/N. Row: 56-0001, Y

Table with 2 columns: Plan Page #, Included Y/N. Row: 51-0002, Y

- 28 Description of the practices that will be used to reduce the pollutants in storm water discharges.
29 Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).
30 Provide complete requirements of Inspections and record keeping by the primary permittee.
31 Provide complete requirements of Sampling Frequency and Reporting of sampling results.
32 Provide complete details for Retention of Records as per Part IV.F. of the permit.
33 Description of analytical methods to be used to collect and analyze the samples from each location.
34 Appendix B rationale for NTU values at all outfall sampling points where applicable.
35 Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged also provide a summary chart of the justification and analysis for the representative sampling as applicable.
36 A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine all of the BMPs into a single phase.
37 Graphic scale and North arrow.
38 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:
Existing Contours USGS 1": 2000' Topographical Sheets
Proposed Contours 1" : 400' Centerline Profile
39 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by GAEPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.georgia.gov.
40 Use of alternative BMP for application to the Equivalent BMP List Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition.
41 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
42 Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site.
43 Delineation and acreage of contributing drainage basins on the project site.
44 Delineate on-site drainage and off-site watersheds using USGS 1" 2000' topographical sheets.
45 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
46 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
47 Soil series for the project site and their delineation.
48 The limits of disturbance for each phase of construction.
49 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the Plan.
50 Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.
51 Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.
52 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding will take place and for the appropriate geographic region of Georgia.

* If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream, the * checklist items would be N/A.

Effective January 1, 2024



Table with 2 columns: REVISION DATES, DATE. Rows for CHECKED, BACKCHECKED, CORRECTED, VERIFIED.

ESPCP GENERAL NOTES COURTESY PARKWAY EXTENSION ROCKDALE COUNTY. Includes DRAWING No. 51-0001.

ESPCP GENERAL NOTES

The escape of sediment from the project site shall be prevented by the installation of erosion and sediment control measures and practices prior to land-disturbing activities.

Erosion and sedimentation control measures will be maintained at all times. If full implementation of the approved plan does not provide for effective control, additional erosion and sedimentation control measures shall be implemented to control or treat the sediment source.

ESPCP ALTERATIONS

This Erosion, Sedimentation, and Pollution Control Plan (ESPCP) is provided by the Department. It addresses the staged construction of the project on the basis of common construction methods and techniques. If the Contractor elects to alter the staged construction from that shown in the plans or utilize construction techniques that render this plan ineffective, the Contractor shall revise the plans in accordance to Special Provision 161-Control of Soil Erosion and Sedimentation of the contract.

The Contractor, the Certified Design Professional, and the WECS shall carefully evaluate this plan prior to commencing land-disturbing activities. Amendments/revisions to the ESPCP which have a significant effect on BMPs with a hydraulic component requires a formal revision of the ESPCP and the signature of a GSWCC Level-II Certified Design Professional. Additional BMPs may be added per Special Provision 161-Control of Soil Erosion and Sedimentation.

CONSTRUCTION SCHEDULE AND SEQUENCE OF MAJOR ACTIVITIES

The Contractor's construction schedule is listed below. A copy of the construction schedule shall be maintained at the project site.

- Phase 1 - Construction of Temporary Pavement
 - Phase 2 - Shift traffic to Temporary pavement on Courtesy PKWY and construct Stage .
 - Phase 3 - Shift traffic to construct Stage 2.
- The total construction time for this project is 30 months.

The project budget includes sufficient funds for the payment of construction exits. The Contractor is responsible for establishing at least one (1) construction exit per the specifications of the construction exit detail included in this ESPCP to minimize or eliminate the vehicle tracking of dirt, soils, and sediments off site. To facilitate project logistics, the Contractor is also responsible for selecting the location(s) of the construction exits(s).

INITIAL PHASE:

Placement of perimeter erosion control barrier prior to commencement of any of any clearing activities. Land disturbance activities shall only occur after the appropriate BMP's have been installed.

INTERMEDIATE PHASE 1:

Construction activities are detailed in the construction plans. This includes grading, drainage, paving and installation of major structures. Throughout this phase, temporary erosion control measure shall be installed and maintained as depicted by the BMP installation details.

INTERMEDIATE PHASE 2:

Construction activities are detailed in the construction plans. This includes grading, drainage, paving and installation of major structures. Throughout this phase, temporary erosion control measure shall be installed and maintained as depicted by the BMP installation details.

FINAL PHASE:

Final grading, grassing, slope stabilizers and other miscellaneous items. Removal and proper clean up of temporary erosion control. Placement of permanent erosion control as detailed in the plans.

ACTIVITY	MONTH																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
INITIAL PERIMETER AND SEDIMENT STORAGE BMP INSTALLATION																														
CLEARING & GRUBBING																														
INTERMEDIATE BMP INSTALLATION																														
BMP MAINTENANCE																														
TEMPORARY STABILIZATION																														
GRADING																														
BRIDGE INSTALLATION																														
ASPHALT INSTALLATION																														
FINE GRADING																														
FINAL STABILIZATION																														

BMP INSTALLATION AND MAINTENANCE MEASURES

See the Department's Standard Specifications (or Special Provisions) 161, 163, 165, 700, 711, and other contract documents for installation and maintenance measures.

SITE STABILIZATION AND VEGETATION PLANTING SCHEDULE

The EPD General NPDES GARI00002 permit states that any disturbed area where construction activities have temporarily or permanently ceased shall be stabilized within 14 days of such cessation or as soon as practicable if precluded by adverse weather conditions. However in special cases, the Project Engineer may require the contractor to perform stabilization more often than 14 days.

Disturbed areas shall be stabilized with suitable material listed in the current edition of the Department's Standard Specifications (or Special Provisions) Sections 161, 163, 700, or 711 on the basis of when construction activities are expected to resume.

All temporary and permanent vegetative practices including plant species, planting dates, seeding, fertilizing, liming, and mulching rates for this project can be found in Section 700 of the current edition of the Department's Standard Specifications (or Special Provisions) and other applicable contract documents or landscaping plans.

PETROLEUM STORAGE, SPILLS AND LEAKS

These plans expressly delegate the responsibility of proper on-site hazardous material management to the Contractor. The Contractor shall at a minimum provide an action plan and keep the necessary materials on site for the capture, clean up, and disposal of any petroleum product, or other hazardous material, leaks or spills associated with the servicing, refueling or operation of any equipment utilized at the site. A copy of the action plan shall be submitted to the Project Engineer and maintained on the project site. All personnel operating or servicing equipment shall be familiar with the action plan. The Contractor shall not park, refuel, or maintain equipment within stream buffers.

If the Contractor elects to store petroleum products on site, the Contractor shall prepare an ESPCP addendum that addresses the additional BMPs needed for onsite storage and spill prevention for petroleum products. This plan shall be prepared by a Certified Design Professional as required by GARI00002 for inclusion with these plans. The Contractor's attention is specifically directed to Standard Specification 107-Legal Regulations and Responsibility to the public for additional requirements.

WASTE DISPOSAL

Where attainable, locate waste collection areas, dumpsters, trash cans and portable toilets at least 50 feet away from streets, gutters, watercourses and storm drains. Secondary containment shall be provided around liquid waste collection areas to minimize the likelihood of contaminated discharges. The Contractor shall comply with applicable state and local waste storage and disposal regulations and obtain all necessary permits. Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 Permit.

DEWATERING AND PUMPING ACTIVITIES

Any pumped discharge from an excavation or disturbed area shall be routed through an appropriately sized sediment basin, silt filter bag, or shall be treated equivalently with suitable BMP's. The contractor shall ensure the post BMP treated discharge is sheet flowing. Failure to create sheet flow will obligate the contractor to perform water quality sampling of pumped discharges. The contractor shall prepare sampling plans in accordance with the current GARI00002 NPDES permit by utilizing a Certified Design Professional. No separate payment will be made for water quality sampling of pump discharges.

NONSTORMWATER DISCHARGES

Nonstormwater discharges defined in Part III.A.2 of the NPDES Permit will be identified after construction has commenced. These discharges shall be subject to the same requirements as storm water discharges required by the Georgia Erosion and Sedimentation Control Act, the NPDES Permit, the Clean Water Act, the Manual for Erosion and Sediment Control in Georgia, Department Standards, and other contract documents. The NPDES does not authorize the discharge of soaps or solvents used in vehicle and equipment washing or the discharge of wastewater containing sludge, paint, oils, curing compounds, and other construction materials.

READY MIX CHUTE WASH DOWN

The washing of ready-mix concrete drums and dump truck bodies used in the delivery of Portland cement concrete is prohibited on this site.

In accordance with Standard Specification 107: Legal Regulations and Responsibility to the Public, only the discharge chute utilized in the delivery of Portland cement concrete may be rinsed free of fresh concrete remains. The Contractor shall excavate a pit outside of State water buffers, at least 25 feet from any storm drain and outside of the travelled way, including shoulders, for a wash-down pit. The pit shall be large enough to store all wash-down water without overlapping. Immediately after the wash-down operations are completed and after the wash-down water has soaked into the ground, the pit shall be filled in, and the ground above it shall be graded to match the elevation of the surrounding areas. Alternate wash-down plans must be approved by the Project Engineer.

Wash-down plans describe procedures that prevent wash-down water from entering streams and rivers. Never dispose of wash-down water down a storm drain. Establish a wash-down pit that includes the following: (1) a location away from any storm drain, stream, or river, (2) access to the vehicle being used for wash down, (3) sufficient volume for wash-down water, and (4) permission to use the area for wash down.

On sites where permission or access to excavate a wash-down pit is unavailable, the Contractor may have to wash-down into a sealable 55-gallon drum or other suitable container and then transport the container to a proper disposal site. For additional information, refer to the Georgia Small Business Environmental Assistance Program's "A Guide for Ready Mix Chute/Hopper Wash-down".

DISCHARGES INTO OR WITHIN ONE LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT

All outfalls are either located further than 1 linear mile upstream or outside of the watershed of an impaired stream segment that has been listed for criteria violated, "Bio F" (impaired fish community) and/or "Bio M" (impaired macro invertebrate community), within Category 4a, 4b or 5, and the potential cause is either "NP" (nonpoint source) or "UR" (urban runoff).

OTHER CONTROLS

If the Contractor elects to store building material, building products, construction waste, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste, and other materials on the site, the Contractor shall provide an appropriate covering to minimize the exposure of those materials or products to precipitation and stormwater to minimize the discharge of pollutants. Minimization of exposure is not required in cases where exposure to precipitation and to stormwater will not result in a discharge of pollutants, or where exposure of the specific material or product poses little risk to stormwater contamination or is intended for outdoor use.

The Contractor shall follow this ESPCP and ensure and demonstrate compliance with all applicable State and/or local regulations for waste disposal, sanitary sewer and septic systems, and petroleum storage.

The Contractor shall control dust from the site in accordance with Section 161 of the current edition of the Department's Standard Specifications.

POSTCONSTRUCTION BMPs FOR STORMWATER MANAGEMENT

All permanent postconstruction BMPs are shown in the construction plans and in the ESPCP plan. The postconstruction BMPs for this project consist of permanent vegetation, vegetated swales/ditches, rip rap at pipe outlets for velocity dissipation and slope stabilization matting. The postconstruction BMPs will provide permanent stabilization of the site and prevent abnormal transportation of sediment and pollutants into receiving waters.

SOIL SERIES INFORMATION

A project-specific soil survey and geotechnical investigation was performed for this project and can be made available upon request. Soil characteristics have been given full consideration in the hydrologic analysis, the design of channels and linings, selection of temporary BMP's, design of energy dissipaters, and in the selection of permanent vegetation and fertilizers.

The following is a summary of the soils that are expected to be found on the project site:

AkA	Altavista sandy loam, 0 to 3 percent slopes, occasionally flooded
AmB	Appling sandy loam, 2 to 6 percent slopes
AmC	Appling sandy loam, 6 to 10 percent slopes
CCA	Cartecay and Chewacla soils, frequently flooded
CeB	Cecil sandy loam, 2 to 6 percent slopes
CeC	Cecil sandy loam, 6 to 10 percent slopes
CfC2	Cecil sandy clay loam, 6 to 10 percent slopes, eroded
CuC	Cecil-Urban land complex, 2 to 10 percent slopes
MdC2	Madison sandy clay loam, 2 to 10 percent slopes, eroded
PaC	Pacolet sandy loam, 6 to 10 percent slopes
PaD	Pacolet sandy loam, 10 to 15 percent slopes
PfD2	Pacolet sandy clay loam, 10 to 15 percent slopes, moderately eroded
Ta	Toccoa fine sandy loam, rarely flooded
WeD	Wedowee sandy loam, 10 to 15 percent slopes

Due to the size and scope of this project and the nature of soil series maps, it is not reasonably practical to delineate the precise locations of the above listed soils on the construction plans. The NRCS soil survey and soil series maps for the project site are also available online at <http://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm>.

SILT FENCE INSTALLATION WITH J HOOKS AND SPURS

Silt fence should never be run continuously. The silt fence should turn back into the fill or slope to create small pockets that trap silt and force stormwater to flow through the silt fence. This technique is called using J hooks (or spurs). The J hooks shall be utilized on all silt fences that are located around the perimeter of the project and along the toe of embankments or slopes. The J hooks shall be spaced in accordance with GDOT Construction Detail D-24C. The maximum J-hook spacing is reached when the top of the J hook is at the same elevation as the bottom of the immediately upgradient J hook. J Hooks shall be paid for as silt fence items per linear foot. All costs and other incidental items are included in cost of installing and maintaining the silt fence.

USE OF ALTERNATIVE AND/OR ADDITIONAL BMPs:

Fabric check dams will be used on this project as an alternative BMP. The use of the alternative BMP for stone check dams has been reviewed by the Georgia EPD and has been determined by the Georgia EPD to be allowable only for this ESPCP. This review was site specific and was based on documentation submitted and certified by the Level-II Certified Design Professional and was required by the Georgia EPD and GSWCC.



REVISION DATES		ESPCP GENERAL NOTES	
		COURTESY PARKWAY EXTENSION	
		ROCKDALE COUNTY	
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	51-0002	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

SEDIMENT STORAGE

The site has a total disturbed area of 33.91 acres. The following table summarizes the required and available sediment storage for every outfall on this project. The Contractor shall provide and maintain the storage volumes for the BMP's specified in this table.

Table with columns: OUTFALL NAME, Total Drainage Area, Disturbed Area, Required Sediment Storage Volume, Total Storage Volume Provided, Check Dams (varies yd³/each), Inlet Sediment Traps (1.78 yd³/each), Rock Filter Dam (5.09 yd³/each), Silt Fence (0.3 yd³/ft), Length, Total Volume.

OUTFALLS F, L, N AND O

Sediment storage calculations indicate that the use of check dams, inlet sediment traps, rock filter dams and silt fence will provide adequate storage. Land disturbance activities associated with constructing & removing a sediment basin at these sites would cause additional adverse impacts; therefore no sediment basin will be utilized.

To prevent runoff from bypassing inlet sediment traps, a temporary sump shall be installed around all inlet sediment traps that are not located in a low point or an excavated sump. Construct temporary sumps in accordance with Construction Detail D-24C. Temporary sumps shall be installed in a manner that ensures stormwater does not bypass the inlet. The Contractor may submit alternate temporary containment berm designs to the Project Engineer for approval.

CHANNEL PROTECTION

All channels may be stabilized exclusively with permanent grassing.

STATE-WATER BUFFER IMPACTS

State-water buffers, as defined by O.C.G.A. 12-7-1, (are/are not) impacted by this project.

Non-exempt activities shall not be conducted within the 25- or 50-foot undisturbed stream buffers as measured from the point wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits.

The Contractor is not authorized to enter into stream buffers, except as described in the table below:

Table with columns: State-Water ID# or Name, Location of Buffered Streams and State Waters**, Stream Type (Warm/Cold Water)*, Buffer Variance Required? (Yes/No).

STATE-WATER BUFFER IMPACTS(CONTINUED)

Table with columns: State-Water ID# or Name, Location of Buffered Streams and State Waters**, Stream Type (Warm/Cold Water)*, Buffer Variance Required? (Yes/No).

Unless noted otherwise, utility companies will be submitting the required permits/variances in conjunction with the impacts caused by their activities. If utility impacts are covered by the Department's stream buffer variance, this shall be noted in the buffer-variance-required column.

* Warm water streams have a 25-foot minimum buffer as measured from the wrested vegetation. Cold water streams have a 50-foot buffer as measured from the wrested vegetation.

**Locations are approximate, a detailed location of stream buffers and authorized work areas are shown on the individual BMP sheets

INSPECTIONS AND REPORTING

As the primary permittee, Newton County must retain the design professional who prepared the ESPCP, or an alternative design professional approved by EPD in writing, to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days of installation over the entire infrastructure project.

All other inspections shall be documented on the appropriate County inspection forms. See Standard Specification (or Special Provision) 167 and other contract documents for inspection and reporting requirements. These inspections shall continue until the Notice of Termination (NOT) is submitted.

Whenever the County finds that a BMP has failed or is deficient beyond routine maintenance and has resulted in sediment deposition into waters of the State, the Contractor shall take reasonable steps to address the condition, including cleaning up any contaminated surfaces so the material will not discharge in subsequent storm events.

Failure to perform inspections as required by the contract documents and the NPDES permit shall result in the cessation of all construction activities with the exception of Traffic Control and Erosion Control. Continued failure to perform inspections shall result in non-refundable deductions as specified in the contract documents.

RETENTION OF RECORDS

The County will retain all records related to the implementation of this ESPCP in accordance with Part IV.F of the General Permit GARI00002.

Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional.

RIPRAP OUTLET PROTECTION

Table with columns: Structure #, Outfall ID#, or Station and Offset, Pipe Diameter, Tailwater Condition, Width at Drainage, Apron Length, Downstream Width, Average Stone Diameter, Apron Thickness, Riprap Type, Quantity.

REVISION DATES

ESPCP GENERAL NOTES COURTESY PARKWAY EXTENSION ROCKDALE COUNTY

Table with columns: CHECKED, BACKCHECKED, CORRECTED, VERIFIED, DATE, DRAWING No., 51-0003



SAMPLING LOCATIONS AND GENERAL NOTES

The increase in turbidity at the specified locations in the table below will be representative of the alternate outfall drainage basins when similar outfall drainage basins exist. Approved primary and alternate representative sampled features are identified in the table below.

Note: The Total Site Area is 41.59 acres.											Representative Sampling Scheme				
SAMPLING INFORMATION											OUTFALL CHARACTERISTICS				
Primary Sampled Feature	Location (Station and Offset)	Name of Receiving Water	Applicable Construction Stage for Sampling	Sampling Type (Outfall or Receiving water)	Drainage Area for Receiving Water (mi ²)	Upstream Disturbed Area (acres)	Warm or Cold Water Stream	Appendix B NTU Value (Outfall Sampling only)	Allowable NTU Increase (Receiving water sampling only)	Location Description	Construction Activity	Disturbed Area (acres)	Average Outfall Slope (Rise/Run)	Soil Erosion Index	Represented Outfall Drainage Basins
A	218+54.68, 76.80' RT	Snapping Shoals Creek	All	Outfall	N/A	N/A	Warm	50	N/A	Side Drain	Road Widening	2.24	0.0385	7.44	U, J
B	219+00.00, 42.42' LT	Snapping Shoals Creek	ALL	Outfall	N/A	N/A	Warm	50	N/A	Side Drain	New Road--Fill	1.34	0.0500	7.44	O
D	107+49.09, 82.39' RT	Trib. to Snapping Shoals Creek	ALL	Outfall	N/A	N/A	Warm	50	N/A	Cross Drain	New Road--Fill	1.15	0.0147	7.44	L, N
F(UP)	115+27.85, 75.84' LT	Trib. to Snapping Shoals Creek	ALL	Receiving Water	0.55	N/A	Warm	N/A	25	Upstream	New Road--Fill	N/A	0.0050	N/A	
F(DN)	115+04.15, 89.15' RT	Trib. to Snapping Shoals Creek	ALL	Receiving Water	0.55	13.39	Warm	N/A	25	Downstream	New Road--Fill	N/A	0.0050	N/A	
P	162+50.00, 81.00' LT	Trib. to Snapping Shoals Creek	ALL	Outfall	N/A	N/A	Warm	50	N/A	Cross Drain	Road Widening	1.40	0.0172	7.44	

The primary sampled features specified should be used as the initial sampling locations. An alternate sampled feature may be used if additional sampling is required or to replace a primary sampled feature that is no longer located within the active phase of construction.

WATER QUALITY INSPECTING AND SAMPLING PROCEDURES

See Special Provision 167 and other contract documents for the inspecting and sampling procedures. Sampling locations are provided in the Sampling Location table herein.



REVISION DATES		ESPCP GENERAL NOTES	
		COURTESY PARKWAY EXTENSION	
		ROCKDALE COUNTY	
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	51-0004	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
	ORANGE BARRIER FENCE		ORANGE BARRIER FENCE DELINEATES ENVIRONMENTALLY SENSITIVE AREAS WHERE THE CONTRACTOR SHALL NOT CLEAR, GRUB, OR PLACE CONSTRUCTION MATERIALS OR EQUIPMENT WITHIN THIS AREA.
ESA	ENVIRONMENTALLY SENSITIVE AREA		AN ENVIRONMENTALLY SENSITIVE AREA (ESA) CONTAINS RESOURCES THAT ARE ENVIRONMENTALLY, CULTURALLY, OR HISTORICALLY SENSITIVE. ESAs INCLUDE, BUT ARE NOT LIMITED TO: STATE WATER BUFFERS, HISTORIC SITES, ARCHAEOLOGICAL SITES, AND PROTECTED ANIMAL AND PLANT SPECIES HABITATS. IF WORK IS AUTHORIZED IN THIS AREA, THE WORK MUST BE PERFORMED IN ACCORDANCE WITH SECTION 107 AND ANY OTHER APPLICABLE SPECIAL PROVISIONS AND APPLICABLE PLAN NOTES.
Bf	BUFFER ZONE		A STRIP OF UNDISTURBED ORIGINAL VEGETATION, ENHANCED OR RESTORED EXISTING VEGETATION, OR THE RE-ESTABLISHMENT OF VEGETATION SURROUNDING AN AREA OF DISTURBANCE OR BORDERING STREAMS, PONDS, WETLANDS, LAKES, AND COASTAL WATERS. WHEN NECESSARY, BUFFER ZONES ARE TO BE PROTECTED BY ORANGE BARRIER FENCE.
Ds1	MULCH SECTION 163		THIS IS AN APPLICATION OF STRAW MULCH USED TO REDUCE SOIL EROSION AND STABILIZE THE SOIL. IT IS USED TO CONTROL EROSION IN AREAS WHERE PERMANENT VEGETATION IS OUT OF SEASON OR TO TEMPORARILY STABILIZE AREAS PRIOR TO FINAL GRADING. MULCHING REQUIREMENTS ARE ADDRESSED BY STANDARD SPECIFICATIONS AND/OR THE PROJECT ENGINEER. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
Ds2	TEMPORARY GRASSING SECTION 163,700		THE SOWING OF A QUICK GROWING SPECIES OF GRASS SUITABLE TO THE AREA AND SEASON. IT IS TYPICALLY USED TO CONTROL EROSION IN AREAS LONGER THAN MULCHING IS EXPECTED TO LAST. TEMPORARY GRASSING SHOULD BE USED ON ALL PROJECTS ACCORDING TO THE STANDARD SPECIFICATIONS. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ds3	PERMANENT GRASSING SECTION 700		THE SOWING OF PERMANENT VEGETATION, SUCH AS GRASS, SUITABLE TO THE AREA AND SEASON. PERMANENT VEGETATION SHALL BE USED ON ALL PROJECTS ACCORDING TO THE STANDARD SPECIFICATION. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
Ds4	SODDING CONSTRUCTION DETAIL D-54 SECTION 700, 890		THE INSTALLATION OF A SPECIES OF GRASS SODDING SUITABLE TO THE AREA AND SEASON TO PROVIDE IMMEDIATE PERMANENT VEGETATION. SODDING MAY BE SHOWN FOR HIGHLY SENSITIVE AREAS, TO IMPROVE AESTHETICS, OR FOR SPECIAL PLANTING REQUIREMENTS ON THE BASIS OF ENVIRONMENTAL COMMITMENTS OR LANDSCAPING REQUIREMENTS. THE BMP PATTERN FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
Fi-Co	FLOCCULANTS COAGULANTS SECTION 163,700, 895		FLOCCULANTS AND COAGULANTS ARE USED TO SETTLE SUSPENDED SEDIMENT, HEAVY METALS, AND HYDROCARBONS (TSS) IN SLOW MOVING RUNOFF FROM CONSTRUCTION SITES FOR WATER CLARIFICATION. ANIONIC POLYACRYLAMIDES (PAM) MAY BE USED IN CONJUNCTION WITH BMPs WITHIN CHANNELS UPSTREAM OF A POST-CONSTRUCTION POND, TEMPORARY SEDIMENT BASIN, OR TEMPORARY SEDIMENT TRAP. FLOCCULANTS SHALL NOT BE USED DOWNSTREAM OF AFOREMENTIONED BMPs! FLOCCULANTS/COAGULANTS ARE TO BE SHOWN ON PLANS WITH APPLICABLE BMP IF NEEDED. PAYMENT FOR PAM AS A FLOCCULANT WILL BE INCLUDED IN THE PRICE FOR THE INSTALLATION AND/OR MAINTENANCE OF THE BMP IT IS USED IN CONJUNCTION WITH. NO SEPARATE PAYMENT WILL BE MADE.
Sb	STREAMBANK STABILIZATION SECTION 702		STREAMBANK STABILIZATION IS THE USE OF READILY AVAILABLE NATIVE PLANT MATERIALS TO MAINTAIN AND ENHANCE STREAMBANKS, OR TO PREVENT, OR RESTORE AND REPAIR SMALL STREAMBANK EROSION PROBLEMS. STREAMBANK STABILIZATION AREAS SHOULD BE SHOWN ON THE PLANS WHEN APPLICABLE TO THE PROJECT. REFER TO THE PROJECT'S STREAM AND STREAM BUFFER MITIGATION PLANS FOR PLANT SPECIES, LOCATIONS, AND OTHER PLANTING DETAILS.

NOTE:

- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".



NO SCALE

REVISION DATES	
3/2/2017	

EROSION CONTROL LEGEND			
UNIFORM CODE SHEET			
SHEET 1 OF 7			
CHECKED:	D. EAGLETON	DATE:	01/01/16
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VERIFIED:		DATE:	
			DRAWING No.
			52-0001

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ss	SLOPE STABILIZATION CONSTRUCTION DETAIL D-35 SECTION 716		SLOPE STABILIZATION (EROSION CONTROL MATTING) IS A PROTECTIVE COVERING USED TO PREVENT EROSION AND ESTABLISH TEMPORARY OR PERMANENT VEGETATION ON STEEP SLOPES, SHORE LINES, OR CHANNELS. SLOPE STABILIZATION MAY BE A ROLLED EROSION CONTROL PRODUCT (RECP) OR A HYDRAULIC EROSION CONTROL PRODUCT (HECP). SLOPE STABILIZATION SHALL BE USED ON ALL CUT OR FILL SLOPES OF 2.5:1 OR STEEPER AND WITHIN 50 FEET OF ALL CROSS DRAINS AND CULVERTS. NOTE: ONLY COCONUT FIBER BLANKET OR WOOD FIBER BLANKET SHALL BE USED AS SLOPE STABILIZATION WITHIN BUFFERED AREAS.
		PATTERN 	
Tac	TACKIFIERS SECTION 163, 700, 895		TACKIFIERS HYDRATE IN WATER AND READILY BLEND WITH OTHER SLURRY MATERIALS AND ARE USED TO TIE-DOWN FOR SOIL, COMPOST, SEED, STRAW, HAY OR MULCH. TACKIFIERS REQUIREMENTS, SUCH AS ANIONIC POLYACRYLAMIDES (PAM) ARE ADDRESSED BY STANDARD SPECIFICATIONS AND ARE NOT TYPICALLY SHOWN ON THE PLANS. PAM IS TYPICALLY USED BY THE CONTRACTOR FOR TEMPORARY OR PERMANENT GRASSING. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR CRITERIA.
		SYMBOL 	
Cd-F	FABRIC CHECK DAM CONSTRUCTION DETAIL D-24D SECTION 171		A CHECK DAM COMPOSED OF SYNTHETIC FIBER FABRIC, WIRE REINFORCED, POST, OVERFLOW WEIR, AND TURF REINFORCEMENT MATTING (TRM) SPLASHPAD PLACED IN DITCHES IN A SPECIAL CONFIGURATION WHICH CONTROLS ENERGY DISSIPATION AND FILTRATION OF STORM WATER. SEE CONSTRUCTION DETAIL D-24D FOR ADDITIONAL INFORMATION AND SPACING REQUIREMENTS. THIS ITEM IS SUITABLE FOR USE IN ROADSIDE DITCHES THAT ARE PART OF INFRASTRUCTURE CONSTRUCTION PROJECTS AND WITHIN THE CLEAR ZONE. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
		SYMBOL 	
Cd-Fs	COMPOST FILTER SOCK CHECK DAM CONSTRUCTION DETAIL D-52 SECTION 163		A COMPOST FILTER SOCK CHECK DAM IS COMPOSED OF A PHOTODEGRADABLE OR BIODEGRADABLE KNITTED MESH MATERIAL CONTAINING A WEED FREE FILLER MATERIAL DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER. THEY SHALL BE PROPERLY STAKED FOR DITCH APPLICATIONS. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR MATERIAL SPECIFICATIONS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
		SYMBOL 	
Cd-Hb	BALED STRAW CHECK DAM CONSTRUCTION DETAIL D-52 SECTION 163		A BALE STRAW CHECK DAM IS COMPOSED OF BALES PREFERABLY BOUND WITH WIRE OR NYLON INSTEAD OF TWINE. BALES SHOULD BE PLACED IN ROWS WITH BALE ENDS TIGHTLY ABUTTING ADJACENT BALES. THE DOWNSTREAM ROW OF BALES SHALL BE PLACED IN A TRENCH TO ALLOW THE TOP OF THE BALE'S LONG, WIDE SIDE TO BE LEVEL WITH THE GROUND AS A NON-ERODIBLE SPLASHPAD. PROPER STAKING IS ALSO REQUIRED FOR DITCH APPLICATIONS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
		SYMBOL 	

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Cd-S	STONE CHECK DAM OR SANDBAG CHECK DAM CONSTRUCTION DETAIL D-56 SECTION 163, 603		STONE CHECK DAMS ARE CONSTRUCTED OF TYPE-3 RIP-RAP WITH GEOTEXTILE UNDERLINER. STONE CHECK DAMS ARE PREFERRED IN ROADWAY DITCHES OUTSIDE THE CLEAR ZONE. CONSIDERATION SHOULD BE GIVEN TO USING OTHER APPROPRIATE CHECK DAMS AND/OR BMPs WITHIN THE CLEAR ZONE. SANDBAG CHECK DAMS ARE RECOMMENDED IN CONCRETE LINED CHANNELS FOR TEMPORARY VELOCITY CONTROL ONLY. ENSURE DISCHARGE POINT IS PROPERLY STABILIZED AND INCLUDE APPROPRIATE BMPs FOR SEDIMENT STORAGE UPSTREAM AND/OR DOWNSTREAM OF CONCRETE LINED CHANNELS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
		SYMBOL 	
Ch-1	VEGETATED CHANNEL STABILIZATION SECTION 700		A NEW OR EXISTING CHANNEL MAY BE LINED WITH PERMANENT VEGETATION ONLY FOR VELOCITIES UP TO 5.0 fps. THIS MEASURE SHALL BE DESIGNED IN ACCORDANCE WITH THE GDOT CHANNEL LINING DESIGN PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. TYPICALLY NOT SHOWN IN PLANS.
		LINE CODE 	
Ch-2R1	CHANNEL STABILIZATION RIP-RAP, TYPE 1 CONSTRUCTION DETAIL D-49 SECTION 603		THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 1 RIP-RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP-RAP SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
		LINE CODE 	
Ch-2R3	CHANNEL STABILIZATION RIP-RAP, TYPE 3 CONSTRUCTION DETAIL D-49 SECTION 603		THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 3 RIP-RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP-RAP SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
		LINE CODE 	

NOTE:

- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
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NO SCALE

REVISION DATES	
3/2/2017	
11/28/2018	

EROSION CONTROL LEGEND
UNIFORM CODE SHEET
SHEET 2 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16	DRAWING No.
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52-0002

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ch-2T1	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-2 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. *Dp* SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
	LINE CODE		
Ch-2T2	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-4 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. *Dp* SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
	LINE CODE		
Ch-2T3	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-6 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. *Dp* SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
	LINE CODE		
Ch-2T4	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-8 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. *Dp* SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
	LINE CODE		
Ch-2T5	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-10 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. *Dp* SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
	LINE CODE		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ch-2T6	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-12 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. *Dp* SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
	LINE CODE		
Ch-3	CONCRETE CHANNEL STABILIZATION CONSTRUCTION DETAIL D-10, D-49 SECTION 441		CHANNELS ARE LINED WITH CONCRETE FOR VELOCITIES >= 10 fps. THIS ITEM CONSISTS OF CONSTRUCTING A 4" THICK CONCRETE CHANNEL. THE CONCRETE SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. *Dp* SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN. RIP-RAP SHOULD BE USED TO DISSIPATE ENERGY DOWNSTREAM OF CONCRETE LINED CHANNELS.
	LINE CODE		
Co	CONSTRUCTION EXIT CONSTRUCTION DETAIL D-41 SECTION 163, 800		A CONSTRUCTION EXIT IS A STONE STABILIZED PAD THAT REDUCES OR ELIMINATES THE TRANSPORT OF MUD FROM CONSTRUCTION AREAS ONTO PUBLIC ROADS BY EQUIPMENT OR RUNOFF. BEST USED AT ACCESS POINTS, I. E. NEW LOCATION PROJECTS, BORROW PITS, WASTE PITS, ACCESS ROADS, ETC. SHOULD BE MINIMUM 20' WIDE, 50' LONG, 6" THICK, AND REQUIRES A GEOTEXTILE UNDERLINER. ON SITES WHERE THE GRADE TOWARD A PAVED AREA IS GREATER THAN 2%, A FULL WIDTH DIVERSION RIDGE 6" TO 8" HIGH WITH 3:1 SLOPES SHALL BE CONSTRUCTED APPROXIMATELY 15' UPSTREAM OF PAVED AREA. A TIRE WASHING AREA TO REMOVE MUD MAY ALSO BE REQUIRED PRIOR TO ENTRANCE ONTO PUBLIC ROADWAYS. ALL CONSTRUCTION EXIT REQUIREMENTS ARE INCLUDED IN THE PRICE OF THE CONSTRUCTION EXIT.
	SYMBOL		
Dc-A	STREAM DIVERSION CHANNEL GEOTEXTILE, POLYETHYLENE FILM SECTION 163		A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH GEOTEXTILE OR POLYETHYLENE FILM. INSTALL TWO ROWS OF Sd1-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 0 - 2.5 fps. THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
	LINE CODE		

NOTE:

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- FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".



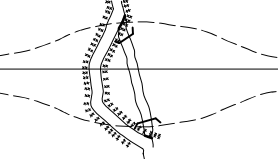

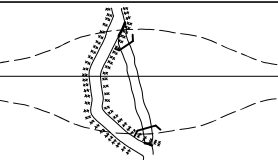
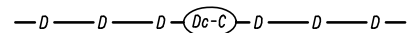
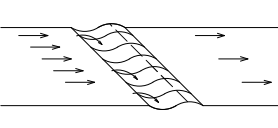
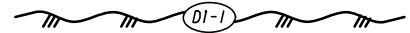
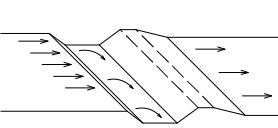
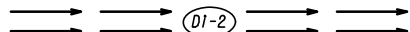
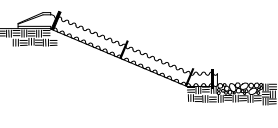
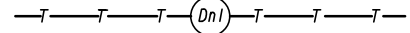
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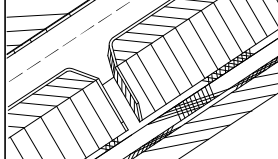
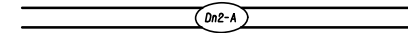
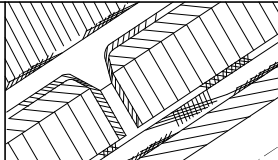

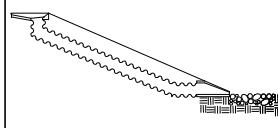

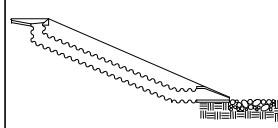
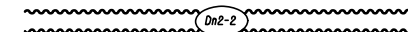
REVISION DATES	
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EROSION CONTROL LEGEND
UNIFORM CODE SHEET
SHEET 3 OF 7

CHECKED: D. EAGLETON	DATE: 01/01/16	DRAWING No.
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52-0003

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Dc-B	STREAM DIVERSION CHANNEL GEOTEXTILE ONLY SECTION 163		A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH GEOTEXTILE ONLY. INSTALL TWO ROWS OF Sd1-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 2.5 - 9.0 fps. THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
	LINE CODE 		
Dc-C	STREAM DIVERSION CHANNEL RIP-RAP & GEOTEXTILE SECTION 163		A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH RIP-RAP AND GEOTEXTILE. INSTALL TWO ROWS OF Sd1-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 9.0 - 13.0 fps. THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
	LINE CODE 		
D1-1	DIVERSION BERM CONSTRUCTION DETAIL D-47 SECTION 205		A NON-DESIGNED TEMPORARY EARTHEN BERM WITH A COMPACTED SUPPORTING RIDGE ON THE LOWER SIDE TO BE USED AT THE EDGE OF EMBANKMENT DURING THE GRADING OPERATION. THE BERMS ARE ALSO CONSTRUCTED ABOVE, ACROSS OR BELOW A SLOPE TO REDUCE THE LENGTH OF A SLOPE. THEY ARE USED TO INTERCEPT RUNOFF, PREVENTING SLOPE EROSION AND TO DIRECT THE RUNOFF TO A STABLE OUTLET, DOWN DRAINS "Dn1" OR CATCHMENT AREAS AND ON ALL GRADING PROJECTS.
	LINE CODE 		
D1-2	DIVERSION CHANNEL SECTION 205		A DESIGNED TEMPORARY OR PERMANENT CHANNEL WITH A COMPACTED SUPPORTING RIDGE ON THE LOWER SIDE TO DIVERT OFFSITE RUNOFF AWAY FROM DISTURBED AREAS WITHIN THE PROJECT AREA. CHANNEL FOR OFFSITE RUNOFF SHALL BE STABILIZED WITH APPROPRIATE CHANNEL STABILIZATION. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA. A DIVERSION CHANNEL DETAIL MUST ALSO BE PROVIDED IN THE ESPCP. RUNOFF FROM DISTURBED AREAS WITHIN THE PROJECT AREA SHALL NOT BE ALLOWED TO CONVERGE WITH OFFSITE RUNOFF WITHIN THIS DIVERSION.
	LINE CODE 		
Dn1	TEMPORARY DOWNDRAIN STRUCTURE FLEXIBLE CONSTRUCTION DETAIL D-19 SECTION 163		A TEMPORARY PIPE SLOPE DRAIN IS A PLASTIC FLEXIBLE PIPE TO CARRY WATER FROM THE WORK AREA TO A LOWER ELEVATION. TEMPORARY SLOPE DRAINS SHOULD BE PLACED AT INTERVALS OF 350 FEET ON 0% - 2% GRADES, 200 FEET ON STEEPER GRADES AND MORE FREQUENTLY AS DICTATED BY FIELD CONDITIONS. THE TYPICAL PIPE SIZE IS A CORRUGATED 10". THE PIPE WILL BE ANCHORED WITH STAKES AT INTERVALS NOT TO EXCEED 10". THE OUTLET AREA SHALL BE STABILIZED FOR VELOCITY DISSIPATION AND EROSION CONTROL.
	LINE CODE 		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Dn2-A	PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441		A CONCRETE FLUME TYPE "A" IS USED TO DIRECT SURFACE RUNOFF DOWN A ROADWAY SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN ALL DEPRESSED AREAS WHERE WATER WILL FLOW DOWN THE SLOPE. IT IS DESIGNED FOR A 25-YEAR STORM AND MUST HAVE SOME FORM OF OUTLET PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OTHER CRITERIA).
	LINE CODE 		
Dn2-B	PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441		A CONCRETE FLUME TYPE "B" IS USED TO DIRECT SURFACE DITCH RUNOFF DOWN A BACK SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN DEPRESSED AREAS WHERE CONCENTRATED OFFSITE WATER REACHES THE CUT SLOPE. IT IS DESIGNED TO SAFELY CONVEY WATER DOWN THE CUT SLOPE. IT IS DESIGNED FOR A 25-YEAR STORM AND MUST HAVE SOME FORM OF OUTLET PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
	LINE CODE 		
Dn2-1	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP1, 9017J TP1, DETAIL D-26 TP1 SECTION 576, 577		CONCRETE DRAIN INLET WITH METAL PIPE IS USED TO DRAIN CURBS, ON A GRADE, DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT STRUCTURE, REQUIRING OUTLET PROTECTION, TEMPORARY AND PERMANENT. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
	LINE CODE 		
Dn2-2	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP2, 9017J TP2, DETAIL D-26 TP2 SECTION 576, 577		CONCRETE DRAIN INLET AND METAL PIPE IS USED TO DRAIN CURB, IN A SAG, DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT STRUCTURE, REQUIRING OUTLET PROTECTION, TEMPORARY AND PERMANENT. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
	LINE CODE 		

NOTE:

- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".



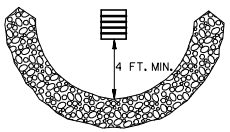

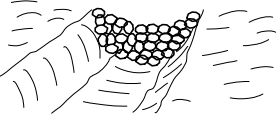





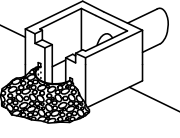

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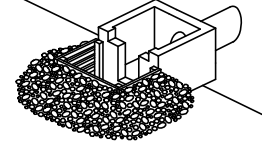

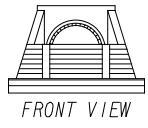
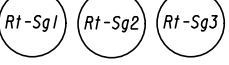





REVISION DATES	
3/2/2017	

EROSION CONTROL LEGEND
UNIFORM CODE SHEET
SHEET 4 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16	DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		

52-0004

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Fr	FILTER RING CONSTRUCTION DETAIL D-46 SECTION 163		A TEMPORARY STONE BARRIER CONSTRUCTED AT DRAINAGE STRUCTURE INLETS AND POST-CONSTRUCTION POND OUTLETS. IT REDUCES RUNOFF VELOCITY AND HELPS PREVENT SEDIMENT FROM LEAVING SITE PRIOR TO PERMANENT STABILIZATION OF THE DISTURBED AREA. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR ADDITIONAL INFORMATION ON USAGE.
	SYMBOL 		
Rd	ROCK FILTER DAM CONSTRUCTION DETAIL D-43 SECTION 163, 603		ROCK FILTER DAMS ARE CONSTRUCTED OF TYPE 3 STONE RIP-RAP FACED WITH #57 STONE ON THE UPSTREAM SIDE. THEY ARE PLACED ACROSS DRAINAGEWAYS WHICH DRAIN 50 ACRES OR LESS. GEOTEXTILE UNDERLINER SHALL BE USED WHEN PLACING ROCK FILTER DAMS. THE DAM SHOULD NOT BE HIGHER THAN THE CHANNEL BANKS. ROCK FILTER DAMS SHOULD BE USED IN DITCHES PRIOR TO DISCHARGING INTO STREAMS, WETLANDS, OPEN-WATERS, OR OTHER ESAs.
	SYMBOL 		
Rd-B	STONE FILTER BERM CONSTRUCTION DETAIL D-50 SECTION 163, 603		STONE FILTER BERMS ARE CONSTRUCTED SIMILAR TO ROCK FILTER DAMS FOR A LINEAR APPLICATION. THEY ARE CONSTRUCTED OF TYPE-3 STONE RIP-RAP FACED WITH #57 STONE ON THE UPSTREAM SIDE. GEOTEXTILE UNDERLINER SHALL BE USED WHEN PLACING STONE FILTER BERMS. STONE FILTER BERMS ARE IDEAL ALONG THE PERIMETER FOR SHEET FLOW AND/OR SHALLOW CONCENTRATED FLOW TO A COMMON LOW AREA WHERE PERIMETER SILT FENCE ALONE MAY BE INSUFFICIENT, THERE IS NO WELL-DEFINED CHANNEL FOR A STANDARD ROCK FILTER DAM, AND/OR CONSTRUCTING A ROCK OUTLET TEMPORARY SEDIMENT TRAP IS NOT APPLICABLE.
	LINE CODE 		
Rp	RIP-RAP SECTION 603		RIP-RAP IS A FLEXIBLE PERMANENT BLANKET FOR PROTECTION OF FILL SLOPES AND BRIDGE END ROLLS. RIP-RAP TYPE-1 SHOULD BE PLACED ON TOP OF A GEOTEXTILE UNDERLINER AT A MINIMUM 24" THICKNESS OR AS INDICATED ON THE PLANS. RIP-RAP MAY ALSO BE USED AT DRAINAGE STRUCTURE OUTLETS WITHIN THE RIGHT-OF-WAY. HOWEVER, APPROPRIATE OUTLET PROTECTION SHOULD BE PROVIDED AT OUTFALLS. REFER TO STORM DRAIN OUTLET PROTECTION FOR ADDITIONAL INFORMATION ON USING RIP-RAP AT OUTFALLS.
	PATTERN 		
Rt-P	RETROFITTING PERFORATED HALF-ROUND PIPE CONSTRUCTION DETAIL D-44 SECTION 163		A PERFORATED HALF-ROUND PIPE WITH STONE FILTER PLACED IN FRONT OF A PERMANENT STORMWATER DETENTION POND OUTLET STRUCTURE TO SERVE AS A TEMPORARY SEDIMENT FILTER. SHOULD BE USED ONLY IN DETENTION PONDS WITH LESS THAN 30 ACRES TOTAL DRAINAGE AREA. SHALL ONLY BE USED IN DETENTION BASINS LARGE ENOUGH TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTURBED AREA. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
	SYMBOL 		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Rt-B	RETROFITTING SLOTTED BOARD DAM CONSTRUCTION DETAIL D-45 SECTION 163		A SLOTTED BOARD DAM CONSISTS OF STONE AND/OR FILTER FABRIC AND BOARDS WITH 0.5" - 1.0" SPACING TO SERVE AS A TEMPORARY SEDIMENT FILTER. PERMANENT STORMWATER DETENTION POND OUTLET: -DRAINAGE AREA UP TO 100 ACRES -DETENTION BASINS LARGE ENOUGH TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTURBED AREA ROADWAY DRAINAGE STRUCTURE: -OPEN END PIPES, WINGED HEADWALLS, OR CONCRETE WEIR OUTLETS WITH DRAINAGE AREA LESS THAN 30 ACRES REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
	SYMBOL 		
Rt-Sg1 Rt-Sg2 Rt-Sg3	RETROFITTING SILT CONTROL GATES CONSTRUCTION DETAIL D-20 SECTION 163		A SILT CONTROL GATE CONSISTS OF BOARDS WITHOUT SPACING AND FILTER FABRIC TO BE USED FOR TEMPORARY SEDIMENT STORAGE ON ROADWAY PROJECTS AT THE INLET OF STRUCTURES WITH A DRAINAGE AREA UP TO 50 ACRES. THE DISTURBED AREA WITHIN THE DRAINAGE AREA SHALL NOT EXCEED 5 ACRES. SILT CONTROL GATES SHOULD NOT BE USED ALONE, BUT WITH ANOTHER BMP DOWNSTREAM PRIOR TO DISCHARGE LEAVING PROJECT AREA. DO NOT USE SILT GATES IN STATE WATERS. Rt-Sg1=TYPE 1: USED ON BOX CULVERTS Rt-Sg2=TYPE 2: USED ON STRAIGHT HEADWALLS Rt-Sg3=TYPE 3: USED ON FLARED END SECTIONS AND TAPERED HEADWALLS
	SYMBOL 		
	LINE CODE 		
SdI-NS	SEDIMENT BARRIER (NON-SENSITIVE) SILT FENCE TYPE A CONSTRUCTION DETAIL D-24 SECTION 171		SEDIMENT BARRIERS MINIMIZE AND PREVENT SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE PROJECT AREA BY CAUSING DEPOSITION AND/OR FILTRATION OF SEDIMENT. SILT FENCE USED AS PERIMETER CONTROL SHALL NOT BE INSTALLED ACROSS CONCENTRATED FLOW. TYPE-A SILT FENCE IS TYPICALLY USED IN NON-ENVIRONMENTALLY SENSITIVE AREAS (ESAs) OR IN AREAS WITH FILLS LESS THAN 10'. IT SHOULD BE PLACED A MINIMUM OF 10' FROM CONSTRUCTION LIMITS OR ALONG THE RIGHT-OF-WAY LINE.
	LINE CODE 		
SdI-S	SEDIMENT BARRIER (SENSITIVE) SILT FENCE TYPE C CONSTRUCTION DETAIL D-24 SECTION 171		SEDIMENT BARRIERS MINIMIZE AND PREVENT SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE PROJECT AREA BY CAUSING DEPOSITION AND/OR FILTRATION OF SEDIMENT. SILT FENCE USED AS PERIMETER CONTROL SHALL NOT BE INSTALLED ACROSS CONCENTRATED FLOW. TYPE-C SILT FENCE IS TYPICALLY USED IN ENVIRONMENTALLY SENSITIVE AREAS (ESAs) OR IN AREAS WITH FILLS 10' AND GREATER. ALL ENVIRONMENTALLY SENSITIVE AREAS (ESAs) SHALL BE PROTECTED WITH A DOUBLE-ROW OF TYPE-C SILT FENCE REGARDLESS OF FILL HEIGHT. A SINGLE-ROW MAY BE USED FOR OTHER APPLICATIONS. IT SHOULD BE PLACED A MINIMUM OF 10' FROM CONSTRUCTION LIMITS OR ALONG THE RIGHT-OF-WAY LINE.
	LINE CODE 		


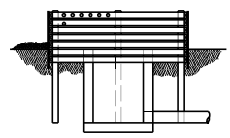

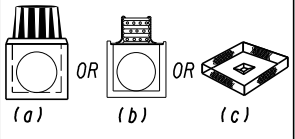

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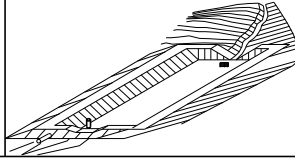
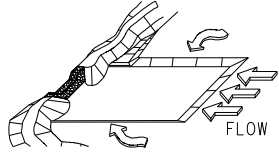
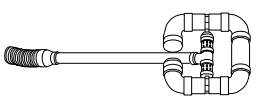
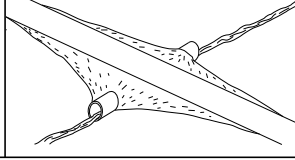
- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
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NO SCALE

REVISION DATES		EROSION CONTROL LEGEND	
3/2/2017		UNIFORM CODE SHEET	
		SHEET 5 OF 7	
CHECKED:	D. EAGLETON	DATE:	01/01/16
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
		DRAWING No.	52-0005

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Sd1-BB	SEDIMENT BARRIER BRUSH BARRIER CONSTRUCTION DETAIL D-24B SECTION 201		THIS ITEM CONSISTS OF INTERMINGLED BRUSH, LOGS, ETC. SO AS NOT TO FORM A SOLID DAM. CONSTRUCTED AT THE TOE OF FILL SLOPES ONLY DURING THE CLEARING AND GRUBBING OPERATION. THE BARRIER SHOULD BE USED AT THE TOE OF FILL SLOPES ON GRADING PROJECTS IN RURAL AREAS WHERE SUFFICIENT RIGHT OF WAY OR EASEMENT IS AVAILABLE (10 FEET OR MORE). THE BARRIER SHOULD RUN ROUGHLY PERPENDICULAR TO THE FLOW OF WATER WHERE THIS DOES NOT CONFLICT WITH RIGHT-OF-WAY OR EASEMENT LIMITS. THEY WILL NOT BE PLACED IN WETLANDS. TYPICALLY NOT SHOWN ON PLANS. PAYMENT FOR THIS ITEM IS INCLUDED IN THE CLEARING AND GRUBBING COST. NO SEPARATE PAYMENT SHALL BE MADE.
	LINE CODE * * * Sd1-BB * * *		
Sd2-B	INLET SEDIMENT TRAP (BAFFLE BOX) CONSTRUCTION DETAIL D-42 SECTION 163		BAFFLE BOX INLET SEDIMENT TRAP USED FOR INLETS RECEIVING HIGH FLOW RATE AND/OR VELOCITY. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES 7 cfs AND GREATER.
	SYMBOL Sd2-B		
Sd2-Bg	INLET SEDIMENT TRAP (BLOCK & GRAVEL) CONSTRUCTION DETAIL D-42 SECTION 163		BLOCK AND GRAVEL DROP INLET PROTECTION USED FOR WHERE HEAVY FLOWS ARE EXPECTED AND WHERE OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE. CAN BE USED AT CULVERT INLETS. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES THAT RANGE FROM 5 - 7 cfs.
	SYMBOL Sd2-Bg		
Sd2-F	INLET SEDIMENT TRAP (FILTER FABRIC) CONSTRUCTION DETAIL D-24C SECTION 163		(a) A SEDIMENT BARRIER CONSISTING OF A PREFABRICATED FRAME WITH FILTER FABRIC USED AROUND A DROP INLET OR CATCH BASIN. (b) A SEDIMENT BARRIER CONSISTING OF A PERFORATED METAL STAND PIPE WITH FILTER FABRIC USED AROUND A DROP INLET OR CATCH BASIN. (c) TYPE C SILT FENCE WITH SUPPORTING FRAME CAN BE USED AS AN ALTERNATE TO INLET SEDIMENT TRAP FOR AREAS WITH SLOPES < 5%. THIS ITEM IS USED TO PREVENT SILT FROM ENTERING THE PIPE SYSTEM. SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS. RECOMMENDED FOR INLET RECEIVING FLOW RATES THAT RANGE FROM 0 - 4 cfs.
	SYMBOL Sd2-F		
Sd2-G	INLET SEDIMENT TRAP (GRAVEL) CONSTRUCTION DETAIL D42 SECTION 163		GRAVEL DROP INLET PROTECTION USED WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED. STONE AND GRAVEL ARE USED TO TRAP SEDIMENT. THE SLOPE TOWARD THE INLET SHALL BE NO MORE THAN 3:1. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES THAT RANGE FROM 3 - 5 cfs.
	SYMBOL Sd2-G		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Sd3	TEMPORARY SEDIMENT BASIN CONSTRUCTION DETAIL D-22A, D-22B SECTION 163		A BASIN CREATED BY EXCAVATING AN AREA, DAMMING CONCENTRATED FLOW, OR A COMBINATION OF BOTH. THE BASIN IS DESIGNED TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DRAINAGE AREA. THE DRAINAGE AREA SHOULD NOT EXCEED 150 ACRES. BASINS TYPICALLY CONSISTS OF A DAM, PRINCIPAL SPILLWAY, AND AN EMERGENCY SPILLWAY. A FLOATING SURFACE SKIMMER SHALL BE REQUIRED AS PART OF THE PRINCIPAL SPILLWAY UNLESS INFEASIBLE. SUFFICIENT RIGHT-OF-WAY OR EASEMENT IS NEEDED FOR BASIN CONSTRUCTION AND MAINTENANCE ACCESS. SEDIMENT BASINS SHALL BE CONSIDERED ON ALL PROJECTS, BUT MAY NOT BE PRACTICAL. BASINS SHOULD BE LOCATED TO MINIMIZE INTERFERENCE WITH CONSTRUCTION ACTIVITIES AND UTILITIES. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
	SYMBOL Sd3		
Sd4-C	ROCK OUTLET TEMPORARY SEDIMENT TRAP CONSTRUCTION DETAIL D-53 SECTION 163		TEMPORARY POND WITH ROCK OUTLET DESIGNED TO STORE 67 CUBIC YARDS OF SEDIMENT PER DRAINAGE AREA. DRAINAGE AREA SHALL NOT EXCEED 5 ACRES. DISTINGUISHED FROM TEMPORARY SEDIMENT BASIN BY LACK OF PRINCIPAL SPILLWAY. MAXIMUM POND DEPTH FROM BOTTOM OF POND TO EMERGENCY SPILLWAY IS 4 FEET. A TEMPORARY SEDIMENT BASIN SHALL BE EVALUATED PRIOR TO CONSIDERING A TEMPORARY SEDIMENT TRAP. A TEMPORARY SEDIMENT TRAP IS IDEAL FOR SMALL AREAS WITH NO UNUSUAL DRAINAGE FEATURES AND EFFECTIVE AGAINST COARSE SEDIMENT, BUT NOT AGAINST SILT OR CLAY PARTICLES THAT REMAIN SUSPENDED. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
	SYMBOL Sd4-C		
Sk	FLOATING SURFACE SKIMMER CONSTRUCTION DETAIL D-22A, D-22B SECTION 163		A BUOYANT DEVICE THAT DRAINS WATER FROM THE SURFACE OF A TEMPORARY SEDIMENT BASIN AT A CONTROLLED FLOW RATE. THE INLET/ORIFICE SIZE IS DESIGNED TO DRAIN THE BASIN WITHIN 24 - 48 HOURS. THE SKIMMER INFORMATION SHALL BE PROVIDED IN CONJUNCTION WITH THE SEDIMENT BASIN INFORMATION IN PLANS. IF A SKIMMER IS INFEASIBLE, THE DESIGNER SHALL PROVIDE A WRITTEN JUSTIFICATION IN THE PLANS. SKIMMERS ARE ATTACHED TO A RISER WITHOUT PERFORATIONS AND ACTS AS THE PRIMARY SPILLWAY. THE SKIMMER BMP SYMBOL SHALL BE SHOWN IN CONJUNCTION WITH THE TEMPORARY SEDIMENT BASIN BMP SYMBOL WHEN APPLICABLE. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR ADDITIONAL INFORMATION.
	SYMBOL Sk		
Sr	TEMPORARY STREAM CROSSING SECTION 107		A TEMPORARY STRUCTURE INSTALLED ACROSS A FLOWING STREAM OR WATERCOURSE FOR USE BY CONSTRUCTION EQUIPMENT. THIS BMP PROVIDES A MEANS TO CROSS STREAMS OR WATERCOURSES WITHOUT MOVING SEDIMENT INTO STREAMS, DAMAGING THE STREAM BED OR CHANNEL, OR CAUSING FLOODING. THIS BMP SHOULD NOT BE USED ON STREAMS WITH DRAINAGE AREAS GREATER THAN ONE SQUARE MILE, UNLESS SPECIFICALLY DESIGNED TO ACCOMMODATE THE ADDITIONAL DRAINAGE AREA BY THE DESIGN PROFESSIONAL. A CERTIFICATION STATEMENT AND SIGNATURE SHALL ACCOMPANY THE DESIGN. THIS BMP SHALL BE DESIGNED ACCORDING TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA". FOR CONTRACTOR'S USE ONLY!
	SYMBOL Sr		

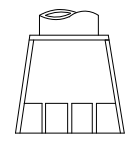

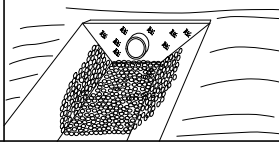
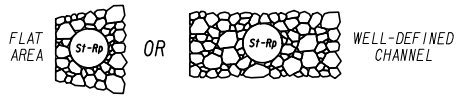
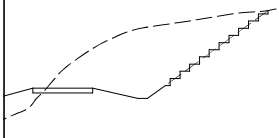
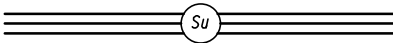
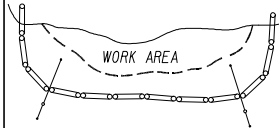

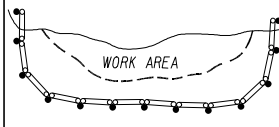

NOTE:

- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".



NO SCALE

REVISION DATES		EROSION CONTROL LEGEND	
3/2/2017		UNIFORM CODE SHEET SHEET 6 OF 7	
11/28/2018			
CHECKED:	D. EAGLETON	DATE:	01/01/16
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
			DRAWING No.
			52-0006

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
St	STORM DRAIN OUTLET PROTECTION GA. STD. 1125 & 2332		A PIPE OR BOX CULVERT OUTLET HEADWALL WITH AN APRON AND DISSIPATOR BLOCKS IS USED TO REDUCE VELOCITY AT THE OUTLET OF A PIPE PRIOR TO ENTERING AN EXISTING STREAM OR PUBLICLY MAINTAINED DRAINAGE SYSTEM. IT IS USED ON THE OUTLET OF ALL BOX CULVERTS AND ON 48" AND LARGER PIPES. MAY BE USED ON INLET FOR FLOWING STREAMS. USE ON SMALL PIPES WHEN OUTLET VELOCITY OF THE 25-YEAR STORM IS 12 fps AND GREATER.
	SYMBOL 		
St-Rp	STORM DRAIN OUTLET PROTECTION (RIP-RAP) CONSTRUCTION DETAIL D-55 SECTION 603		RIP-RAP OUTLET PROTECTION IS USED TO REDUCE VELOCITY AT THE OUTLET OF A PIPE, CHANNEL, OR STRUCTURE PRIOR TO ENTERING AN EXISTING STREAM OR PUBLICLY MAINTAINED DRAINAGE SYSTEM. THE MINIMUM DESIGN OF RIP-RAP OUTLET PROTECTION SHALL BE THE 25-YEAR STORM PEAK FLOW, BUT LARGER STORMS ARE RECOMMENDED. TYPE-1 RIP-RAP AT A DEPTH OF 36" AND PLACED ON FILTER FABRIC IS PREFERRED FOR ALL d50 ≤ 1.2 FEET. TYPE-3 RIP-RAP AT A DEPTH OF 18" AND PLACED ON FILTER FABRIC MAY BE USED FOR d50 ≤ 0.7 FEET.
	PATTERN 		REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR REQUIRED DESIGN DIMENSIONS AND OTHER INFORMATION TO BE INCLUDED IN THE PLANS.
Su	SURFACE ROUGHENING SERRATED SLOPES CONSTRUCTION DETAIL S-7 SECTION 205		PROVIDING A ROUGH SOIL SURFACE WITH HORIZONTAL DEPRESSIONS, BY OPERATING A CLEATED DOZER ON THE SLOPE IN A VERTICAL DIRECTION. CREATING SERRATED SLOPES IN THE GRADING PROCESS TO CONSTRUCT BENCHES WILL REDUCE RUNOFF VELOCITY AND INCREASE INFILTRATION OF WATER. IN MOST CASES THIS BMP IS NOT REQUIRED TO BE SHOWN ON THE PLANS, BUT REQUIRED TO BE COMPLETED BY THE CONTRACTOR UNDER ALL PROJECTS. IF SERRATED SLOPES ARE SPECIFIED BY THE SOIL SURVEY, THEN THIS BMP SHALL BE SHOWN ON THE PLANS WHERE SERRATED SLOPES ARE TO BE USED.
	LINE CODE 		
Tc-F	TURBIDITY CURTAIN FLOATING CONSTRUCTION DETAIL D-51 SECTION 170		A FLOATING TURBIDITY CURTAIN IS USED TO PREVENT SEDIMENT FROM MOVING IN WATER BY ALLOWING IT TO DROP OUT OF SUSPENSION AND REMAIN WITHIN THE CONSTRUCTION AREA. IT IS TYPICALLY USED WHERE CONSTRUCTION IS REQUIRED IN A LARGE BODY OF WATER SUCH AS LAKES AND RIVERS. IT SHOULD BE USED AS DIRECTED BY THE ENGINEER. THIS BMP IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED INTO A STATE WATER, OR AS A SUPPLEMENT TO ADEQUATELY PLACED PERIMETER BMPs. IT MAY ALSO BE REFERRED TO AS A FLOATING BOOM, SILT BARRIER, OR SILT CURTAIN.
	LINE CODE 		
Tc-S	TURBIDITY CURTAIN STAKED CONSTRUCTION DETAIL D-51 SECTION 170		A STAKED TURBIDITY CURTAIN IS USED TO PREVENT SEDIMENT FROM MOVING IN WATER BY ALLOWING IT TO DROP OUT OF SUSPENSION AND REMAIN WITHIN THE CONSTRUCTION AREA. IT IS TYPICALLY USED IN SHALLOW INUNDATED AREAS. IT MAY BE USED TO PROTECT A SMALL STREAM BEING REALIGNED OR RESTORED. IN THIS CASE, CURTAIN SHOULD EXTEND TO BOTTOM OF STREAMBED. THE HEIGHT SHOULD BE LIMITED TO 5 FEET UNLESS DIRECTED AND EXTEND 2 FEET ABOVE NORMAL WATER ELEVATION. IT SHOULD BE USED AS DIRECTED BY THE ENGINEER. THIS BMP IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED INTO A STATE WATER, OR AS A SUPPLEMENT TO ADEQUATELY PLACED PERIMETER BMPs. IT MAY BE REFERRED TO AS A SILT BARRIER OR SILT CURTAIN.
	LINE CODE 		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION

NOTE:

- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

REVISION DATES		EROSION CONTROL LEGEND	
3/2/2017		UNIFORM CODE SHEET	
		SHEET 7 OF 7	
CHECKED:	D. EAGLETON	DATE:	01/01/16
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
		DRAWING No.	
		52-0007	



NO SCALE

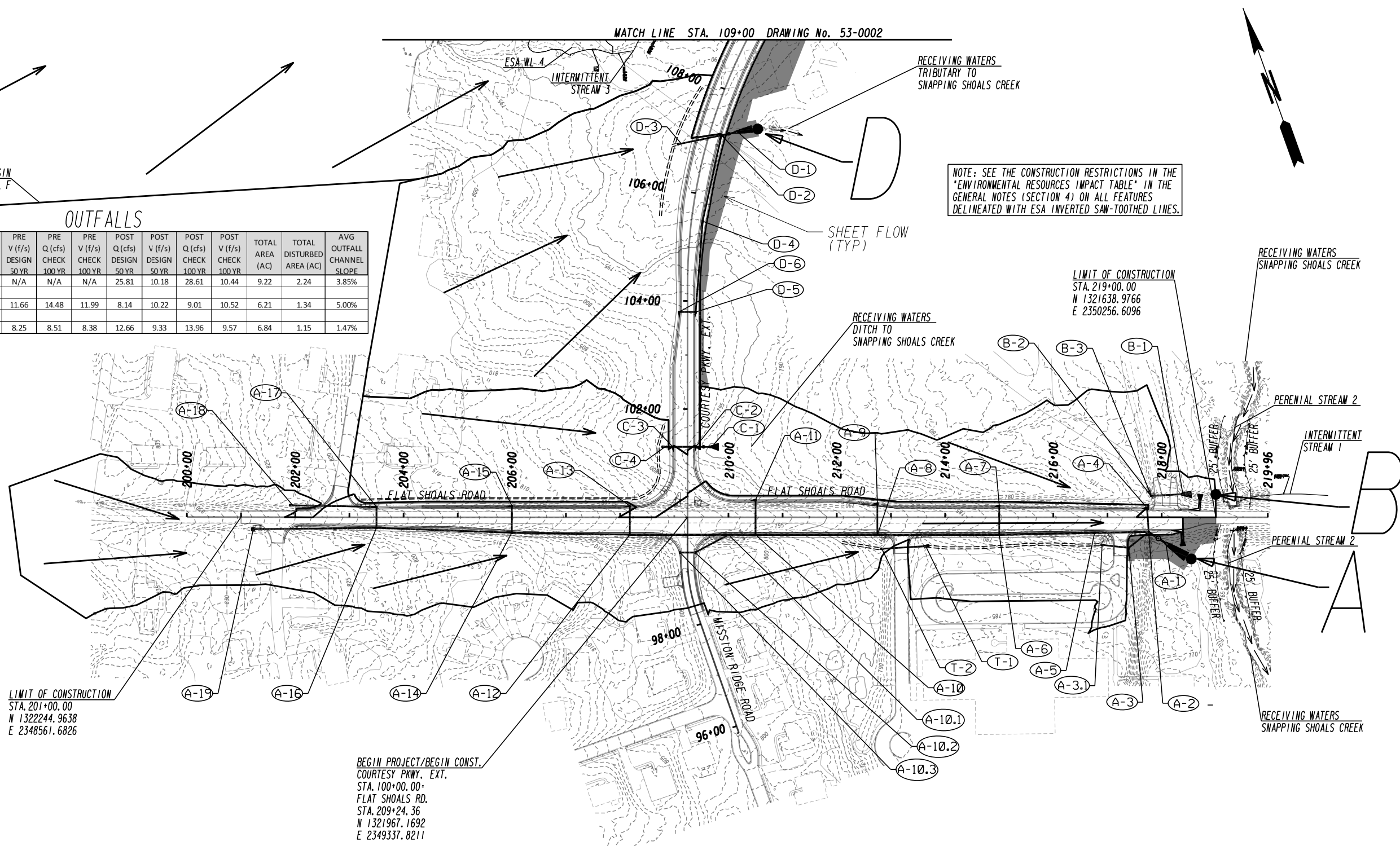
MATCH LINE STA. 109+00 DRAWING No. 53-0002

DRAINAGE BASIN FOR OUTFALL F

OUTFALLS

OUTFALL	STATION	OFFSET	PRE C	POST C	PRE Q (cfs) DESIGN 50 YR	PRE V (f/s) DESIGN 50 YR	PRE Q (cfs) CHECK 100 YR	PRE V (f/s) CHECK 100 YR	POST Q (cfs) DESIGN 50 YR	POST V (f/s) DESIGN 50 YR	POST Q (cfs) CHECK 100 YR	POST V (f/s) CHECK 100 YR	TOTAL AREA (AC)	TOTAL DISTURBED AREA (AC)	AVG OUTFALL CHANNEL SLOPE
A	218+54.68	76.80' RT	N/A	0.479	N/A	N/A	N/A	N/A	25.81	10.18	28.61	10.44	9.22	2.24	3.85%
B	219+00.00	42.42' LT	0.269	0.333	13.08	11.66	14.48	11.99	8.14	10.22	9.01	10.52	6.21	1.34	5.00%
D	107+49.09	82.39' RT	0.371	0.306	8.04	8.25	8.51	8.38	12.66	9.33	13.96	9.57	6.84	1.15	1.47%

NOTE: SEE THE CONSTRUCTION RESTRICTIONS IN THE "ENVIRONMENTAL RESOURCES IMPACT TABLE" IN THE GENERAL NOTES (SECTION 4) ON ALL FEATURES DELINEATED WITH ESA INVERTED SAW-TOOTHED LINES.



TOTAL PROJECT AREA = 41.59 AC
 TOTAL DISTURBED AREA = 33.91 AC



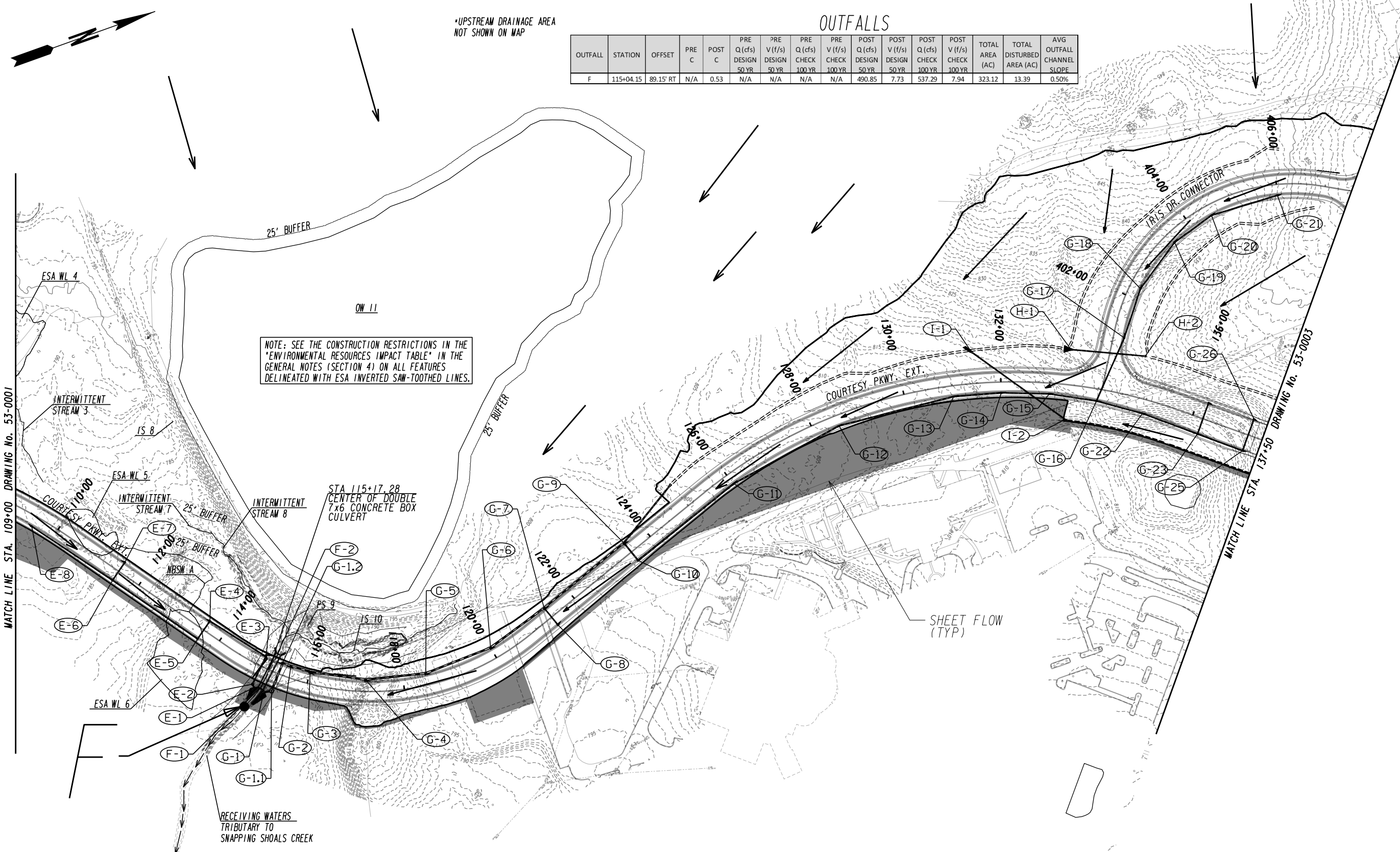
2450 Commerce Avenue
 Suite 100
 Duluth, Georgia 30096
 770.263.5945



REVISION DATES

EROSION CONTROL DRAINAGE AREA MAP
 COURTESY PKWY EXT FROM
 OLD COVINGTON HWY TO FLAT SHOALS RD

CHECKED:	DATE:	DRAWING No. 53-0001
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



*UPSTREAM DRAINAGE AREA NOT SHOWN ON MAP

OUTFALLS

OUTFALL	STATION	OFFSET	PRE C	POST C	PRE Q (cfs) DESIGN 50 YR	PRE V (f/s) DESIGN 50 YR	PRE Q (cfs) CHECK 100 YR	PRE V (f/s) CHECK 100 YR	POST Q (cfs) DESIGN 50 YR	POST V (f/s) DESIGN 50 YR	POST Q (cfs) CHECK 100 YR	POST V (f/s) CHECK 100 YR	TOTAL AREA (AC)	TOTAL DISTURBED AREA (AC)	AVG OUTFALL CHANNEL SLOPE
F	115+04.15	89.15' RT	N/A	0.53	N/A	N/A	N/A	N/A	490.85	7.73	537.29	7.94	323.12	13.39	0.50%

NOTE: SEE THE CONSTRUCTION RESTRICTIONS IN THE "ENVIRONMENTAL RESOURCES IMPACT TABLE" IN THE GENERAL NOTES (SECTION 4) ON ALL FEATURES DELINEATED WITH ESA INVERTED SAW-TOOTHED LINES.

MATCH LINE STA. 109+00 DRAWING No. 53-0001

MATCH LINE STA. 137+50 DRAWING No. 53-0003

RECEIVING WATERS TRIBUTARY TO SNAPPING SHOALS CREEK

SHEET FLOW (TYP)



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REVISION DATES

EROSION CONTROL DRAINAGE AREA MAP

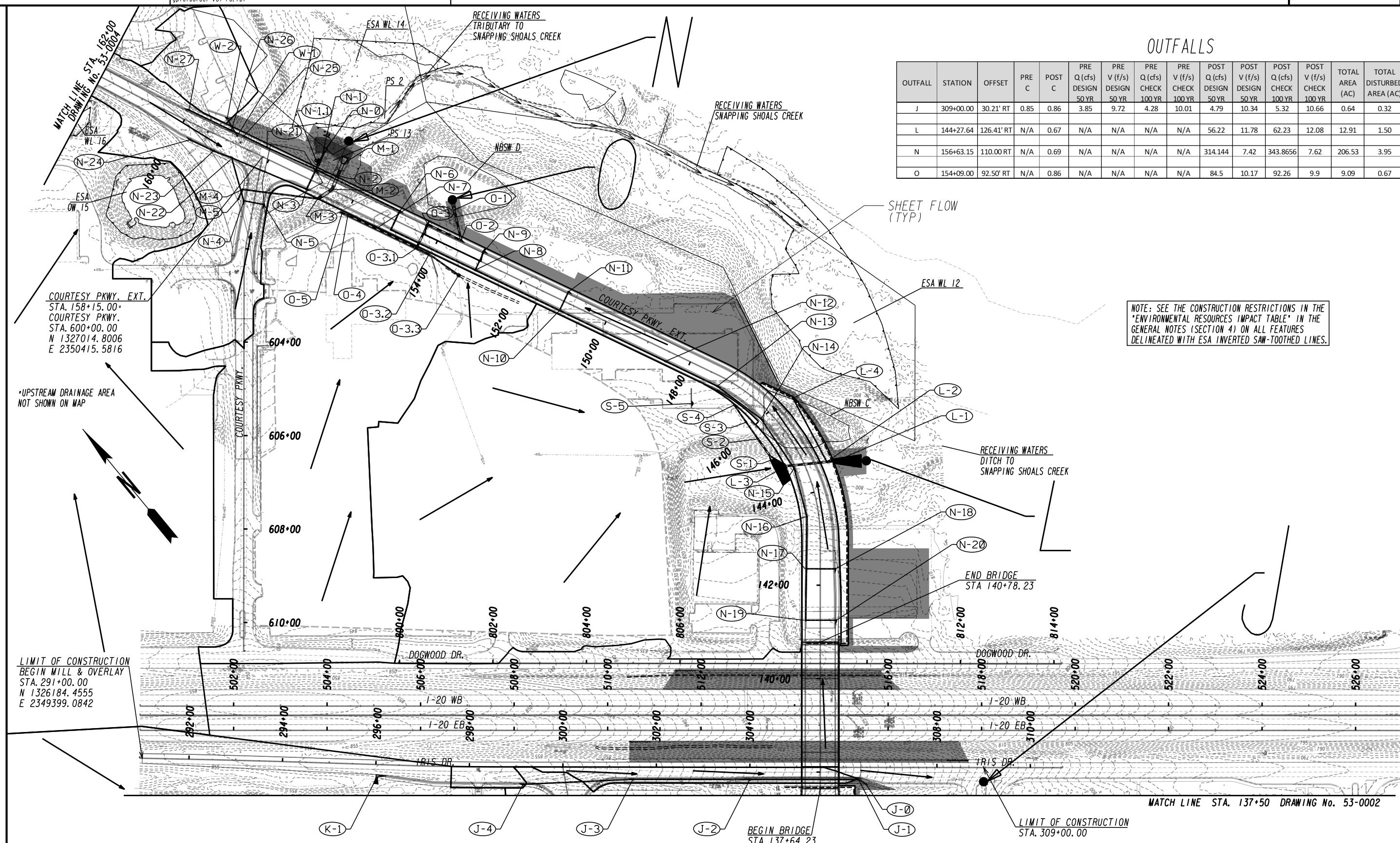
COURTESY PKWY EXT FROM
OLD COVINGTON HWY TO FLAT SHOALS RD

CHECKED:	DATE:	DRAWING No. 53-0002
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

OUTFALLS

OUTFALL	STATION	OFFSET	PRE C	POST C	PRE Q (cfs) DESIGN 50 YR	PRE V (f/s) DESIGN 50 YR	PRE Q (cfs) CHECK 100 YR	PRE V (f/s) CHECK 100 YR	POST Q (cfs) DESIGN 50 YR	POST V (f/s) DESIGN 50 YR	POST Q (cfs) CHECK 100 YR	POST V (f/s) CHECK 100 YR	TOTAL AREA (AC)	TOTAL DISTURBED AREA (AC)	AVG OUTFALL CHANNEL SLOPE
J	309+00.00	30.21' RT	0.85	0.86	3.85	9.72	4.28	10.01	4.79	10.34	5.32	10.66	0.64	0.32	6.62%
L	144+27.64	126.41' RT	N/A	0.67	N/A	N/A	N/A	N/A	56.22	11.78	62.23	12.08	12.91	1.50	0.88%
N	156+63.15	110.00' RT	N/A	0.69	N/A	N/A	N/A	N/A	314.144	7.42	343.8656	7.62	206.53	3.95	1.00%
O	154+09.00	92.50' RT	N/A	0.86	N/A	N/A	N/A	N/A	84.5	10.17	92.26	9.9	9.09	0.67	0.00%

NOTE: SEE THE CONSTRUCTION RESTRICTIONS IN THE "ENVIRONMENTAL RESOURCES IMPACT TABLE" IN THE GENERAL NOTES (SECTION 4) ON ALL FEATURES DELINEATED WITH ESA INVERTED SAW-TOOTHED LINES.



COURTESY PKWY. EXT. STA. 158+15.00 - COURTESY PKWY. STA. 600+00.00 N 1327014.8006 E 2350415.5816

*UPSTREAM DRAINAGE AREA NOT SHOWN ON MAP

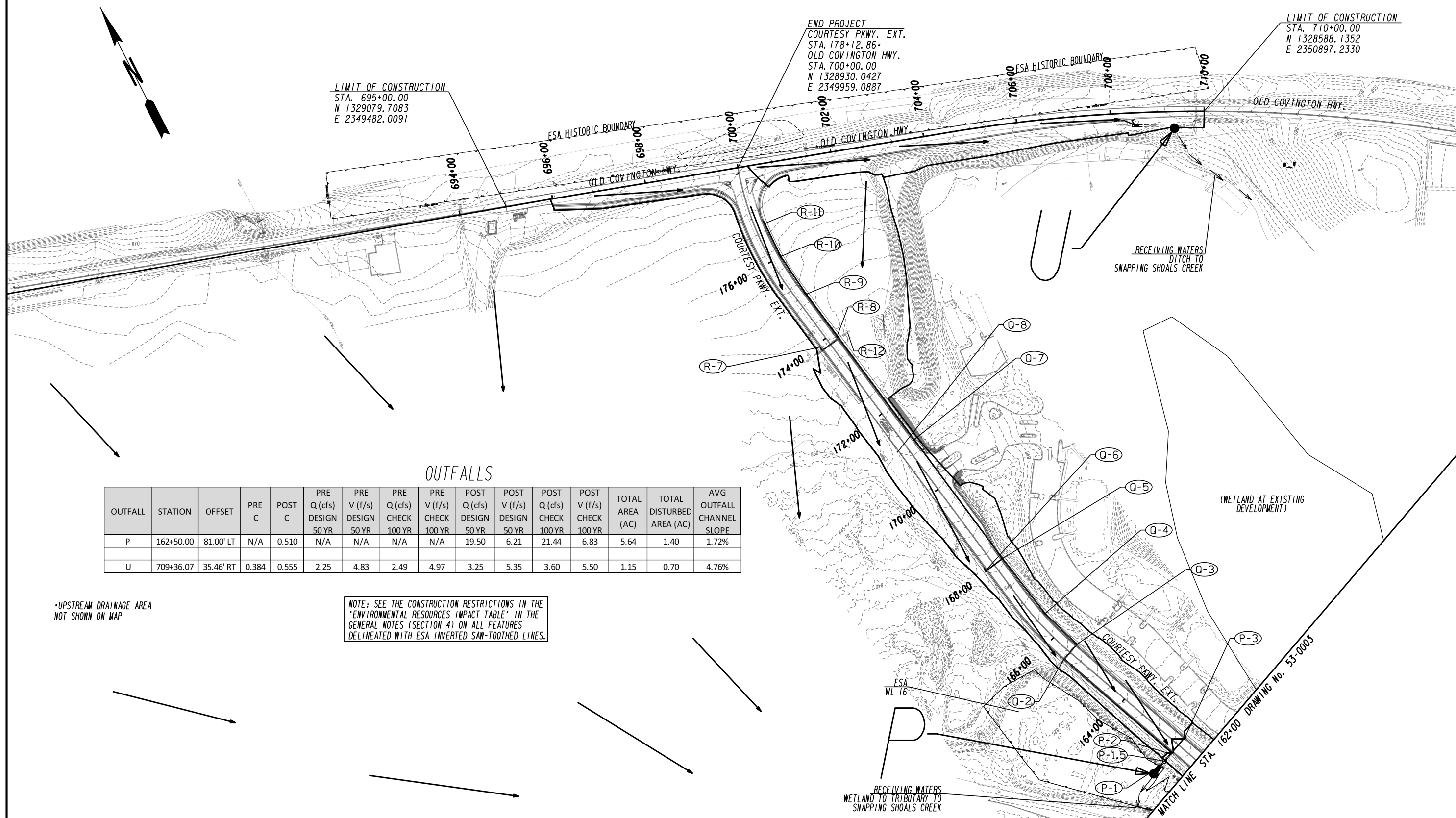
LIMIT OF CONSTRUCTION BEGIN MILL & OVERLAY STA. 291+00.00 N 1326184.4555 E 2349399.0842

MATCH LINE STA. 137+50 DRAWING No. 53-0002

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REVISION DATES		EROSION CONTROL DRAINAGE AREA MAP	
CHECKED:	DATE:	COURTESY PKWY EXT FROM OLD COVINGTON HWY TO FLAT SHOALS RD	
BACKCHECKED:	DATE:	DRAWING No. 53-0003	
CORRECTED:	DATE:		
VERIFIED:	DATE:		



LIMIT OF CONSTRUCTION
 STA. 695+00.00
 N 1329079.7083
 E 2349482.0091

END PROJECT
 COURTESY PKWY. EXT.
 STA. 178+12.86+
 OLD COVINGTON HWY.
 STA. 700+00.00
 N 1328930.0427
 E 2349959.0887

LIMIT OF CONSTRUCTION
 STA. 710+00.00
 N 1328588.1352
 E 2350897.2330

OUTFALLS

OUTFALL	STATION	OFFSET	PRE C	POST C	PRE Q (cfs) DESIGN 50 YR	PRE V (f/s) DESIGN 50 YR	PRE Q (cfs) CHECK 100 YR	PRE V (f/s) CHECK 100 YR	POST Q (cfs) DESIGN 50 YR	POST V (f/s) DESIGN 50 YR	POST Q (cfs) CHECK 100 YR	POST V (f/s) CHECK 100 YR	TOTAL AREA (AC)	TOTAL DISTURBED AREA (AC)	AVG OUTFALL CHANNEL SLOPE
P	162+50.00	81.00' LT	N/A	0.510	N/A	N/A	N/A	N/A	19.50	6.21	21.44	6.83	5.64	1.40	1.72%
U	709+36.07	35.46' RT	0.384	0.555	2.25	4.83	2.49	4.97	3.25	5.35	3.60	5.50	1.15	0.70	4.76%

*UPSTREAM DRAINAGE AREA NOT SHOWN ON MAP

NOTE: SEE THE CONSTRUCTION RESTRICTIONS IN THE "ENVIRONMENTAL RESOURCES IMPACT TABLE" IN THE GENERAL NOTES (SECTION 4) ON ALL FEATURES DELINEATED WITH ESA INVERTED SAW-TOOTHED LINES.

ATLAS

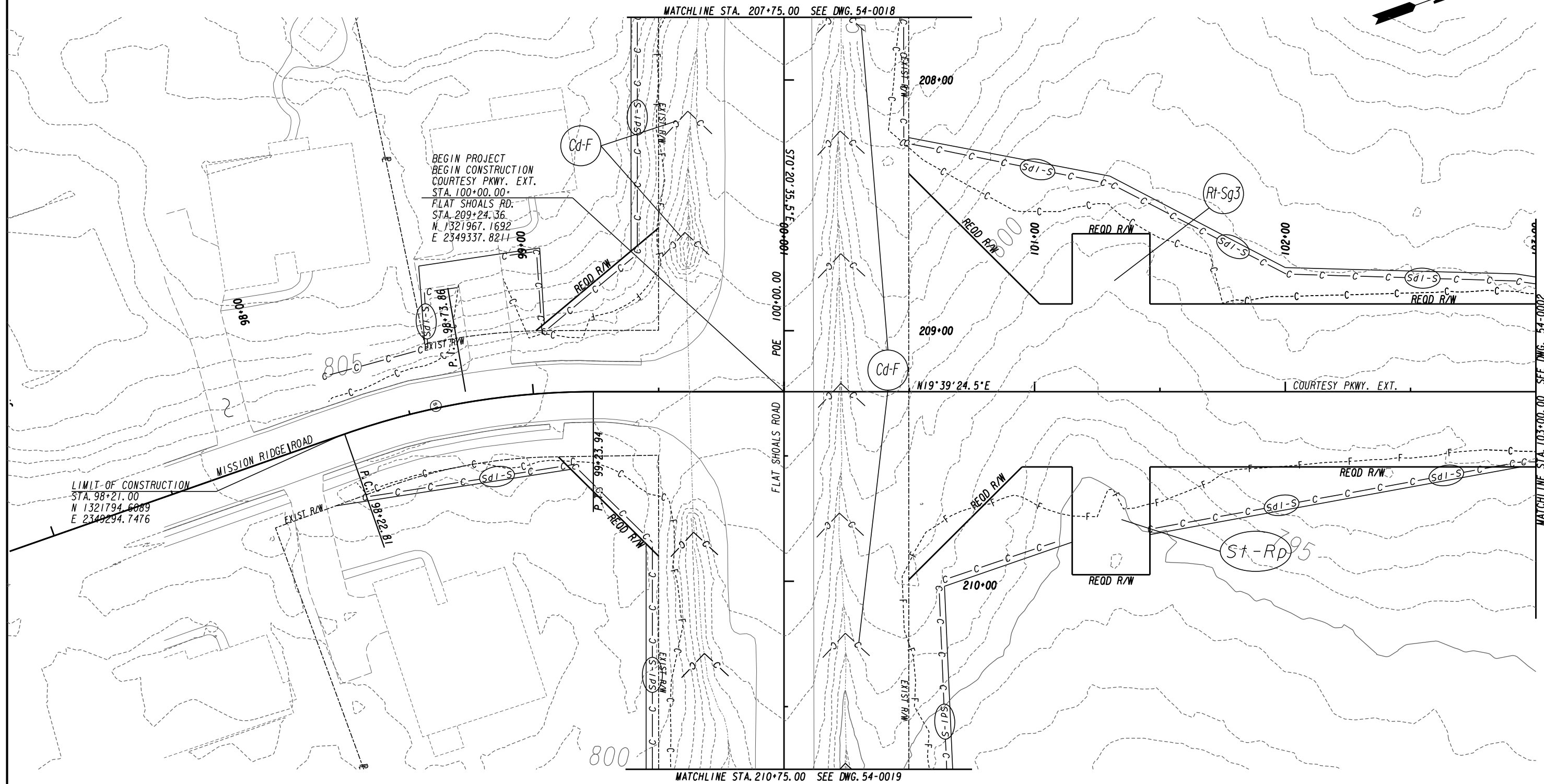
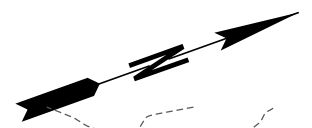
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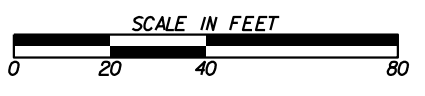
REVISION DATES

EROSION CONTROL DRAINAGE AREA MAP
 COURTESY PKWY EXT FROM
 OLD COVINGTON HWY TO FLAT SHOALS RD

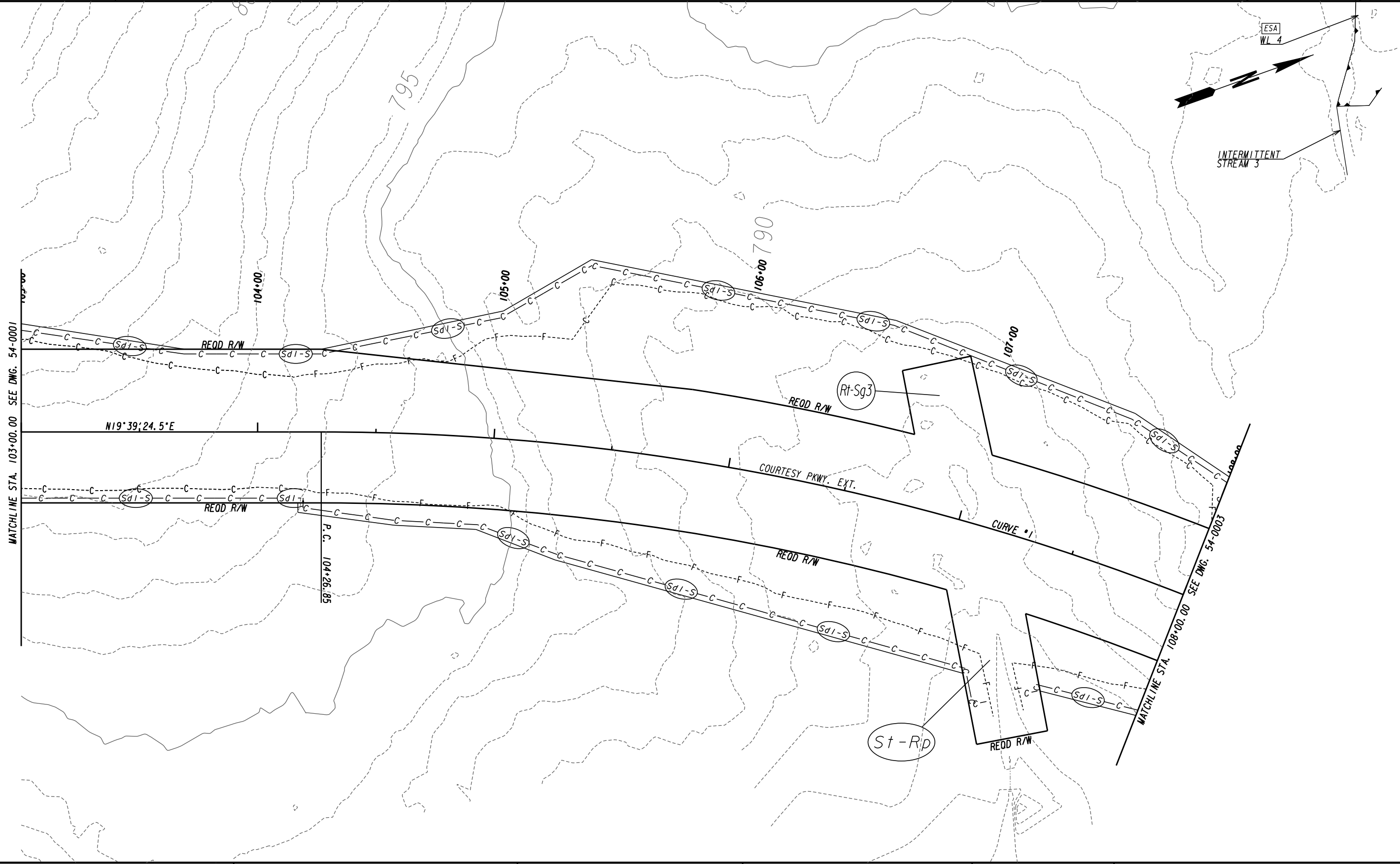
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VERIFIED:	DATE:	



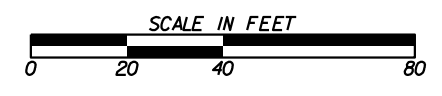
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REVISION DATES		BMP LOCATION DETAILS	
		COURTESY PARKWAY EXTENSION	
		INITIAL PHASE	
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	54-0001	
CORRECTED:	DATE:		
VERIFIED:	DATE:		



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REVISION DATES	

BMP LOCATION DETAILS			
COURTESY PARKWAY EXTENSION			
INITIAL PHASE			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			54-0002

INTERMITTENT STREAM 3

ESA INTERMITTENT STREAM 7

INTERMITTENT STREAM 8

ORANGE BARRIER FENCE

WL 5
ESA

WBSW A

MATCH LINE STA. 108+00.00 DRAWING No. 54-0002

MATCH LINE STA. 113+00.00 DRAWING No. 54-0004

109+00

110+00

111+00

CURVE *1

COURTESY PKWY. EXT. 1

N54°17'25.0"E

REOD R/W

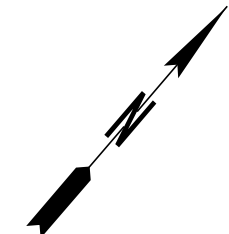
REOD R/W

P.I. 110+31.82

785

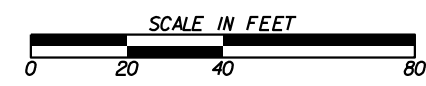
EASEMENT FOR REMOVAL OF STRUCTURES

ESA WL 6



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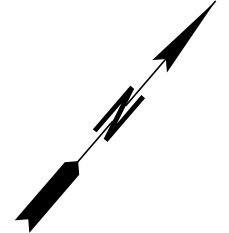
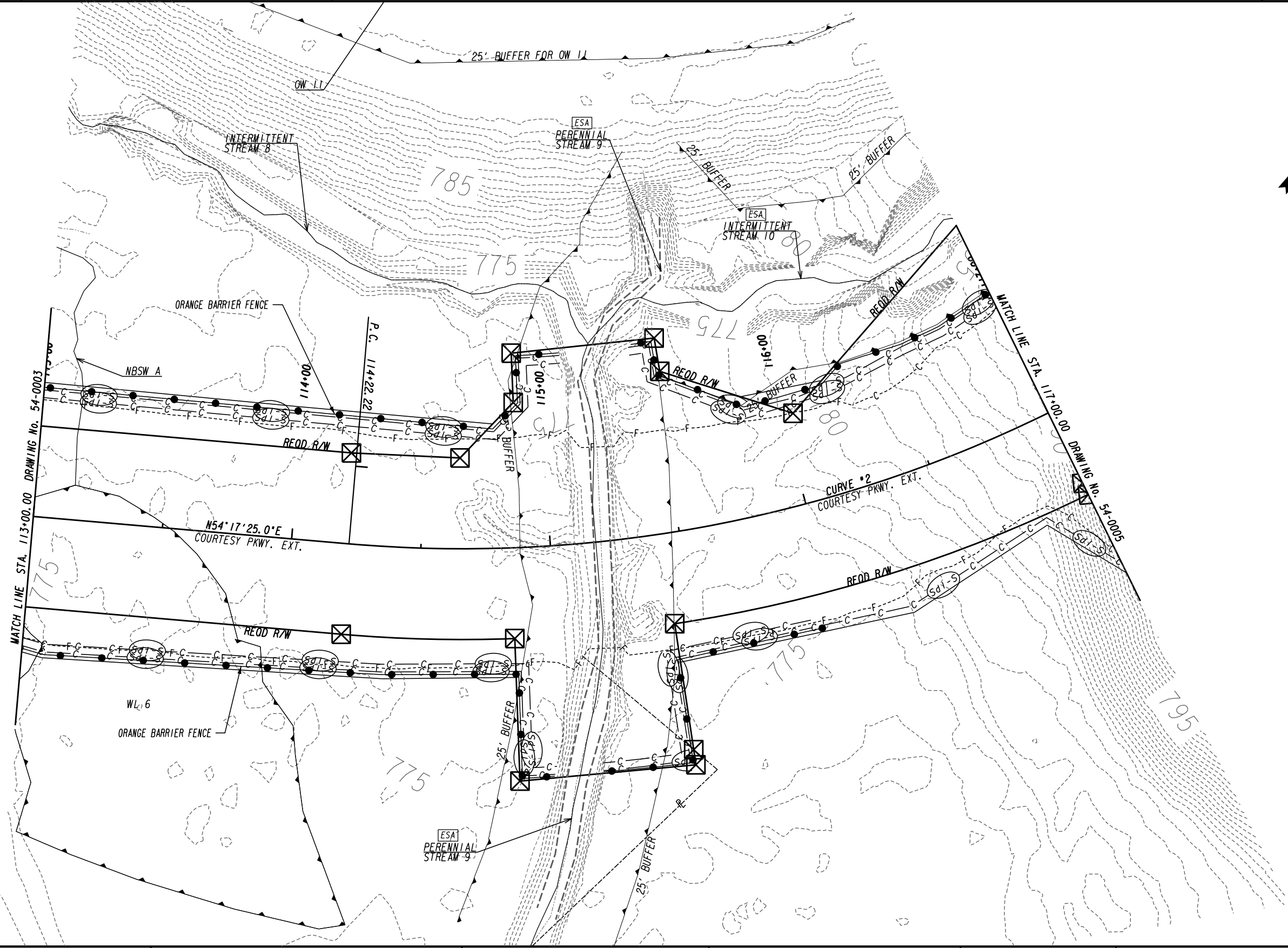
REVISION DATES

NO.	DATE	DESCRIPTION

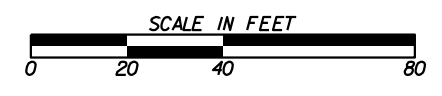
BMP LOCATION DETAILS

COURTESY PARKWAY EXTENSION
INITIAL PHASE

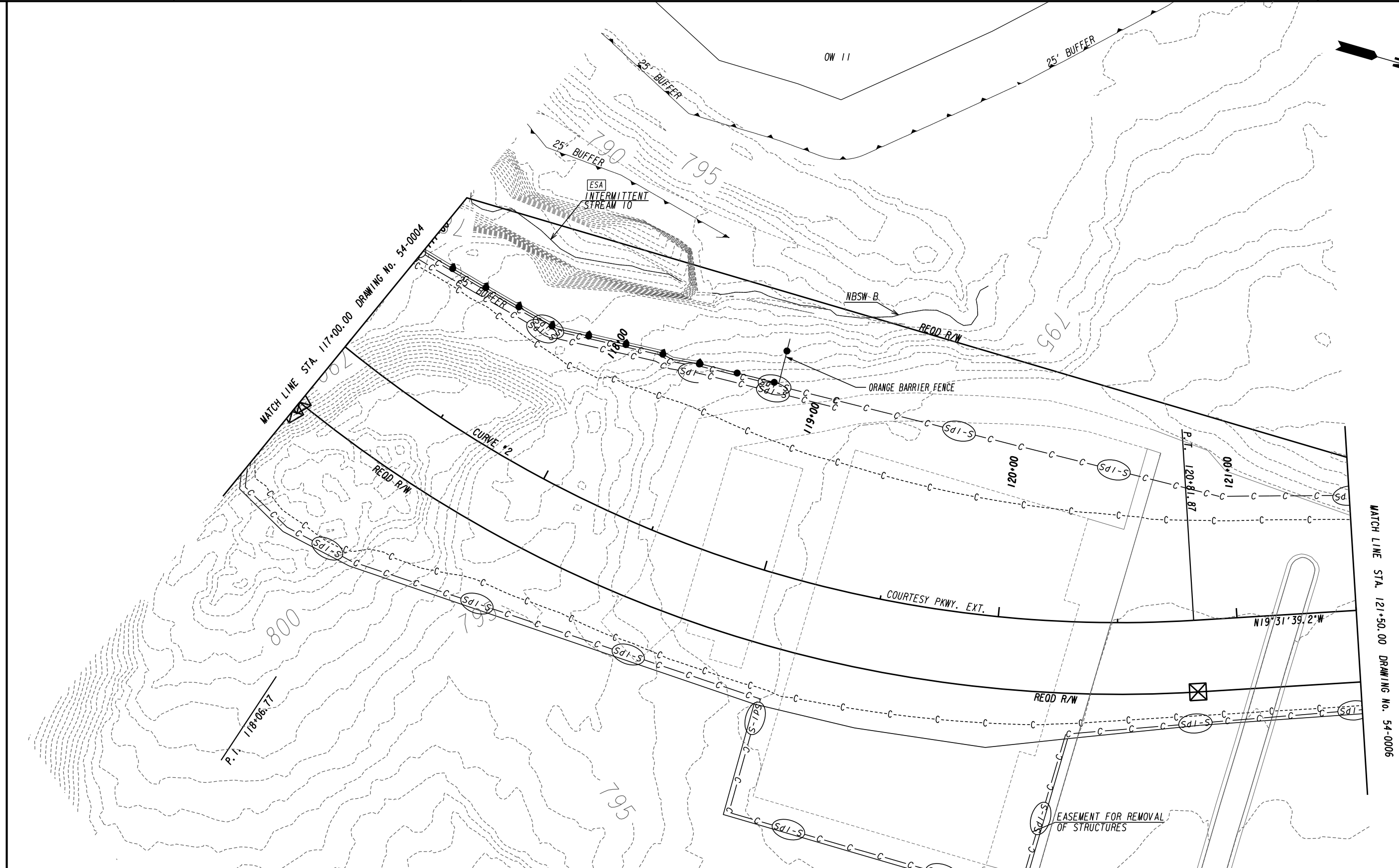
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BACKCHECKED:	DATE:	54-0003
CORRECTED:	DATE:	
VERIFIED:	DATE:	



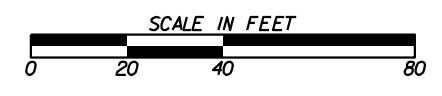
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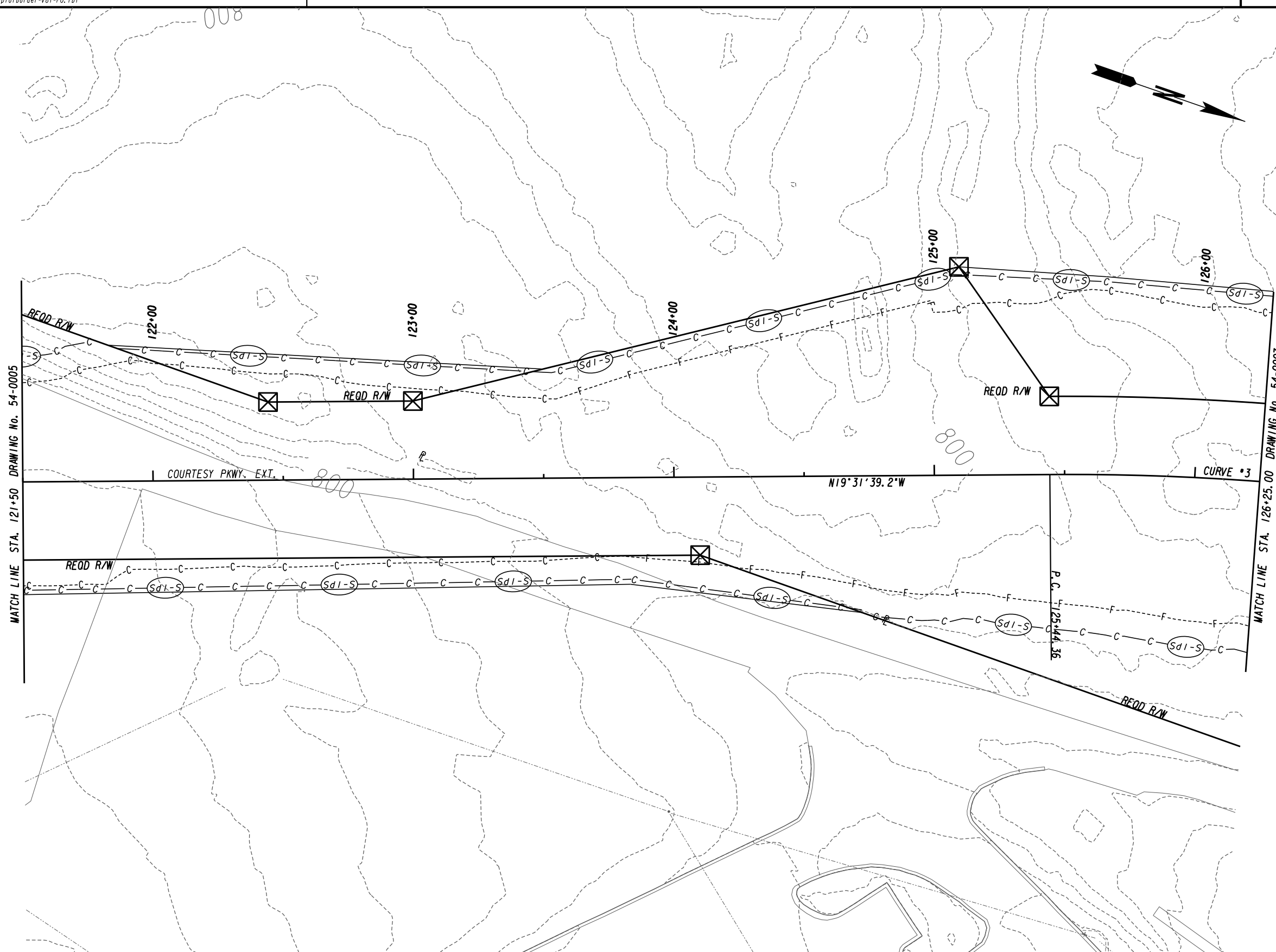
REVISION DATES		BMP LOCATION DETAILS	
		COURTESY PARKWAY EXTENSION	
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CHECKED:	DATE:	DRAWING No.	
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CORRECTED:	DATE:		
VERIFIED:	DATE:		



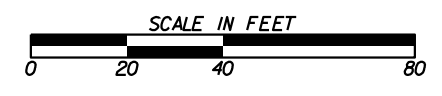
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REVISION DATES		BMP LOCATION DETAILS	
		COURTESY PARKWAY EXTENSION INITIAL PHASE	
CHECKED:	DATE:	DRAWING No.	
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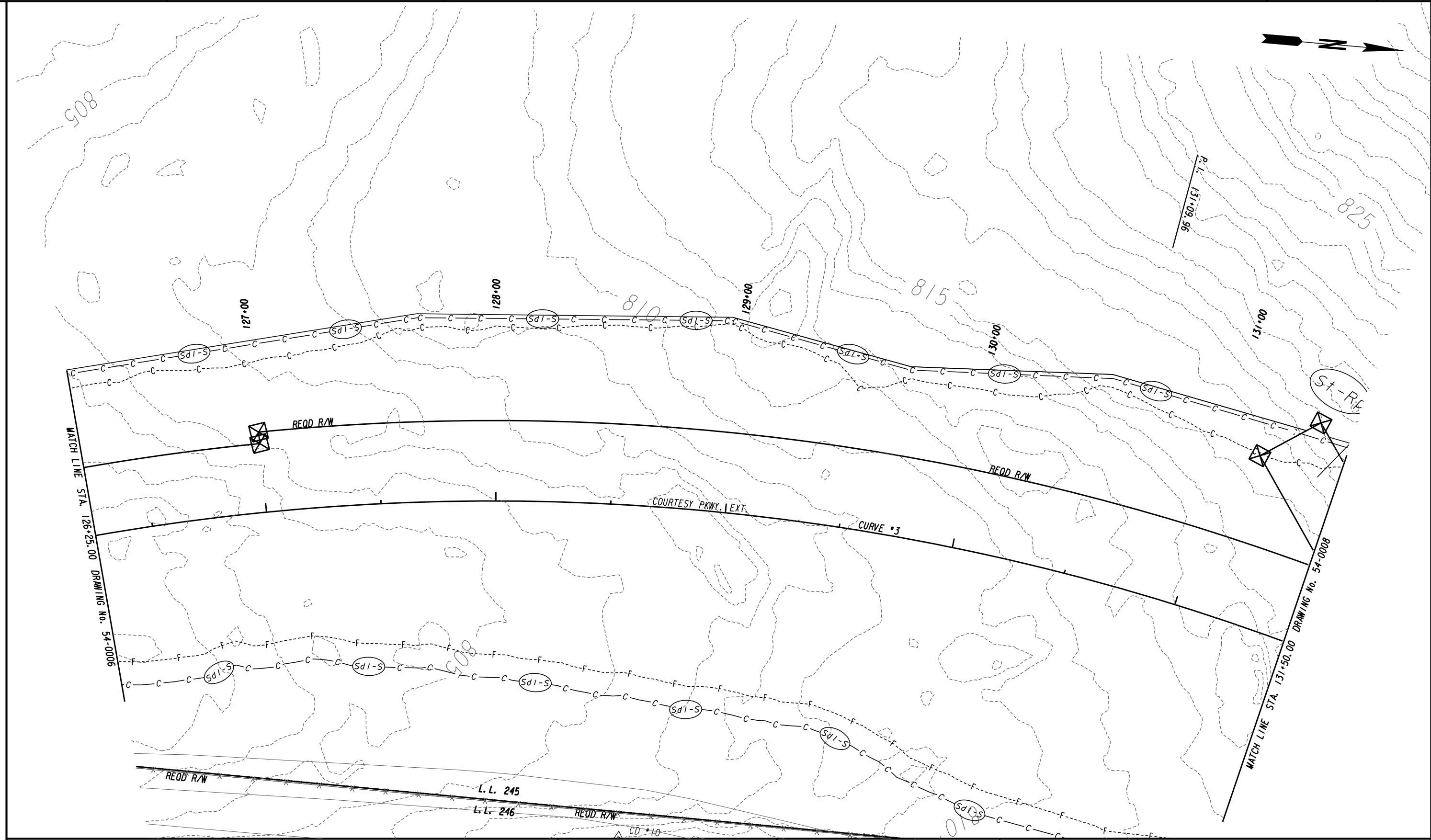
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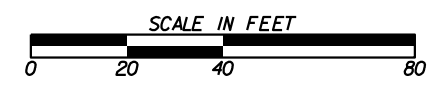
REVISION DATES	

BMP LOCATION DETAILS
 COURTESY PARKWAY EXTENSION
 INITIAL PHASE

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0006
CORRECTED:	DATE:	
VERIFIED:	DATE:	

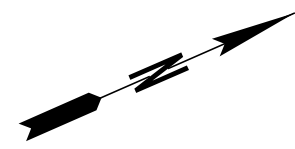
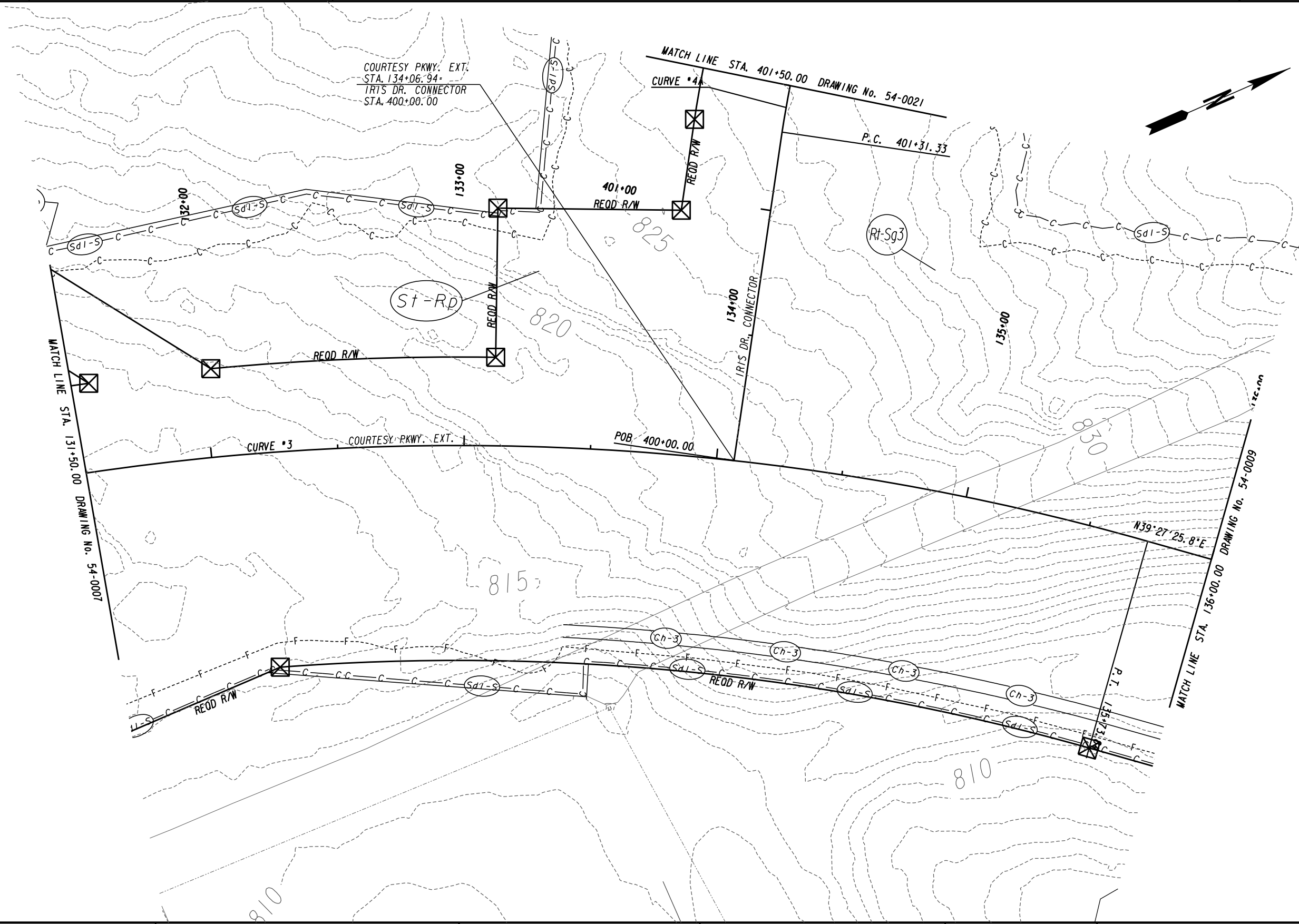


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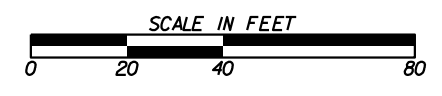


REVISION DATES	

BMP LOCATION DETAILS			
COURTESY PARKWAY EXTENSION			
INITIAL PHASE			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			54-0007



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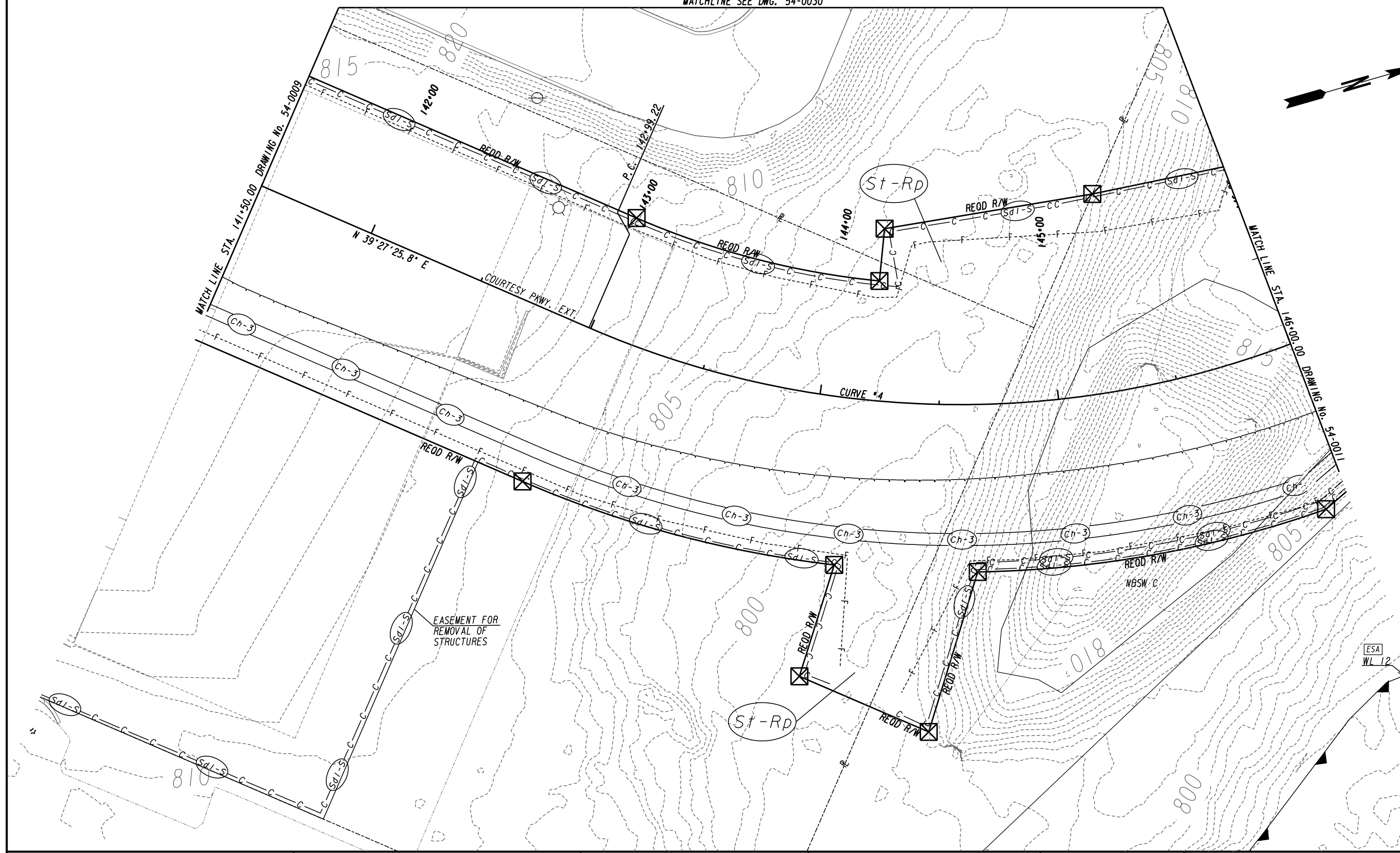


REVISION DATES	

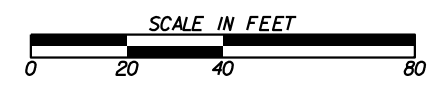
BMP LOCATION DETAILS
 COURTESY PARKWAY EXTENSION
 INITIAL PHASE

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0008
CORRECTED:	DATE:	
VERIFIED:	DATE:	

MATCHLINE SEE DWG. 54-0030



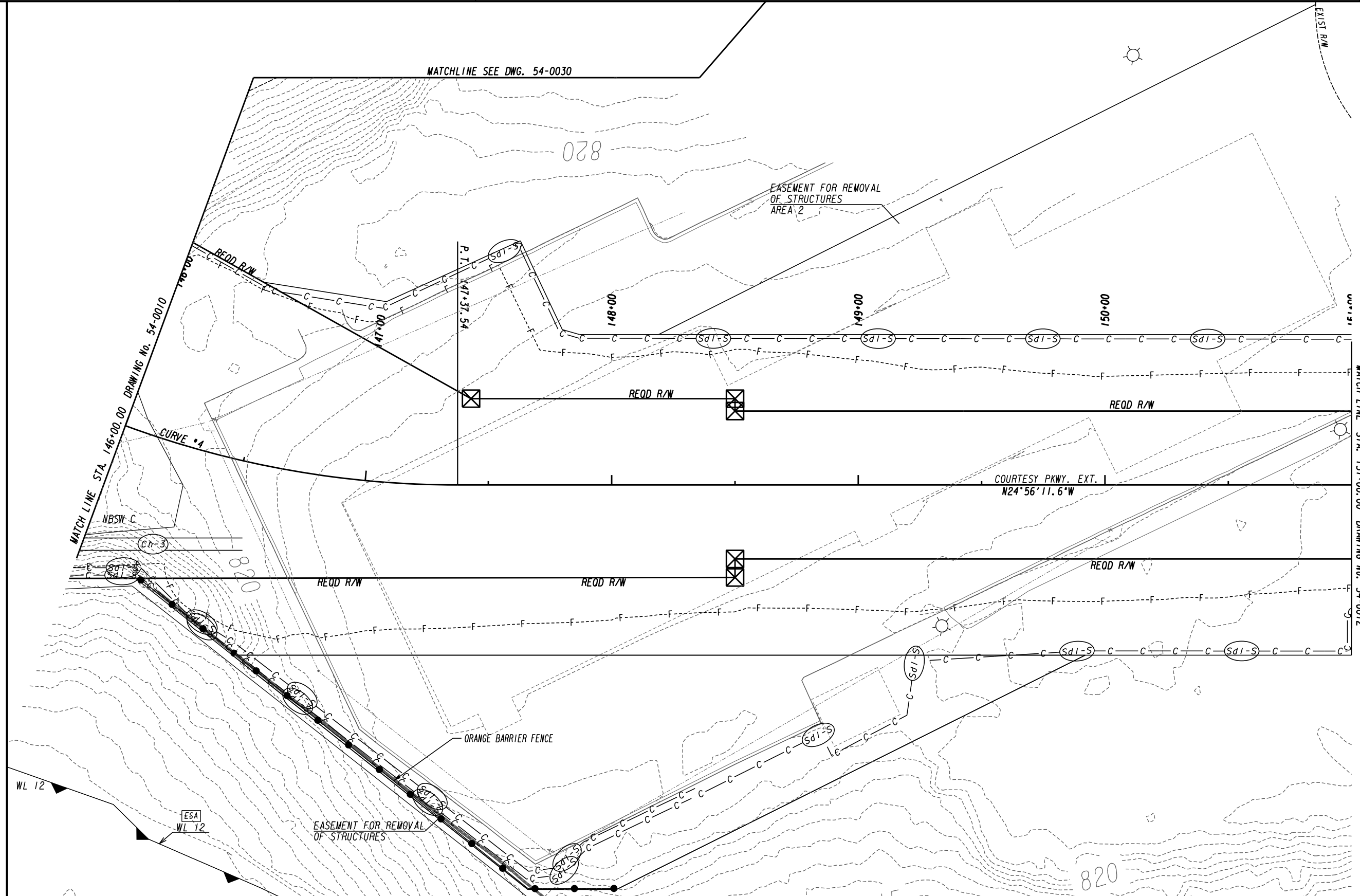
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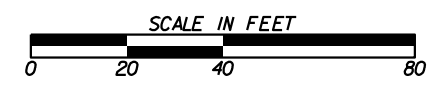
REVISION DATES	

BMP LOCATION DETAILS
 COURTESY PARKWAY EXTENSION
 INITIAL PHASE

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0010
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VERIFIED:	DATE:	



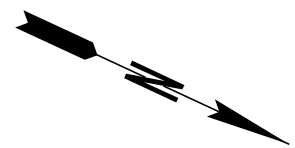
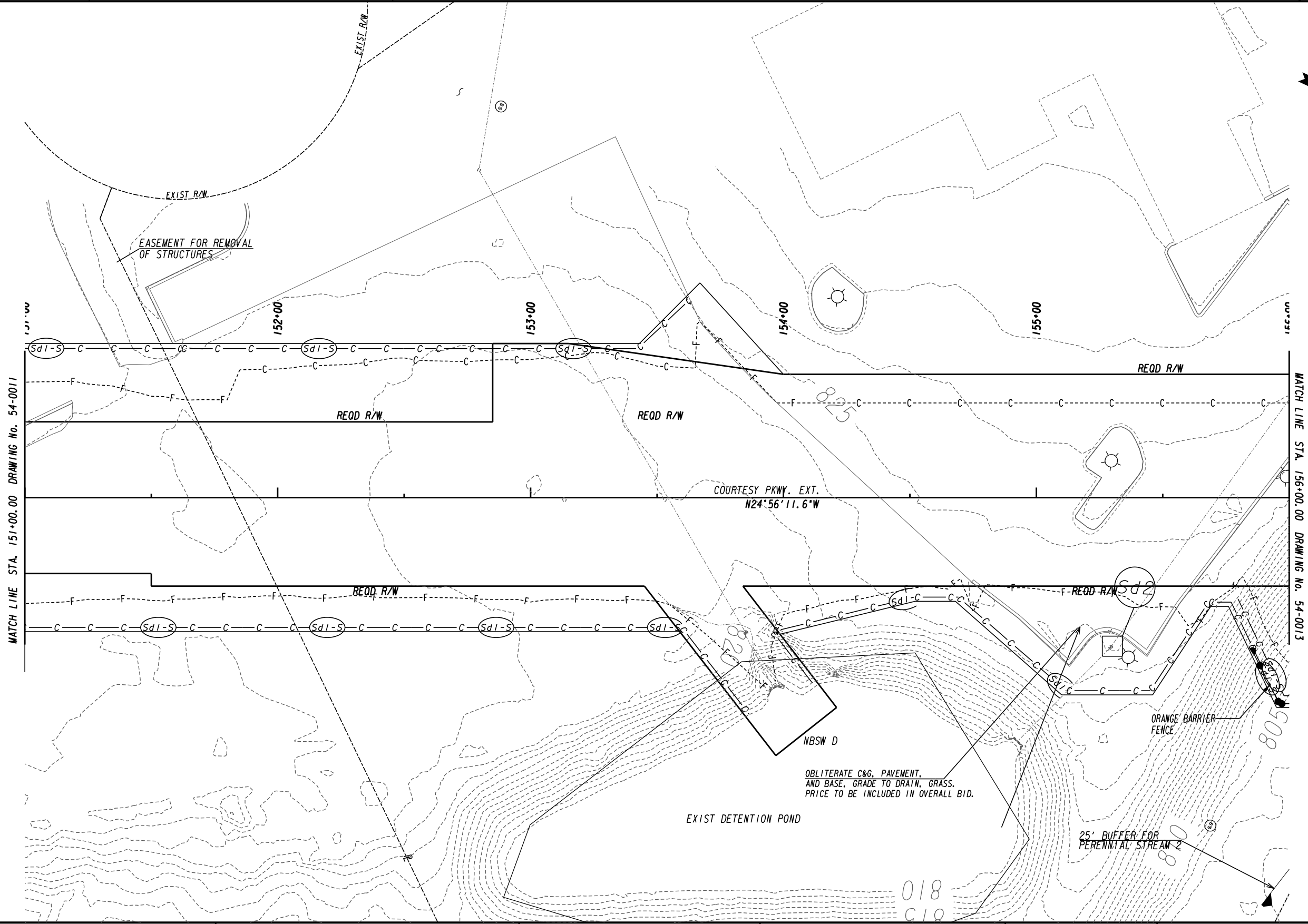
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REVISION DATES	

BMP LOCATION DETAILS
 COURTESY PARKWAY EXTENSION
 INITIAL PHASE

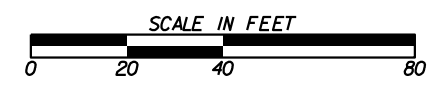
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CORRECTED:	DATE:	
VERIFIED:	DATE:	



MATCH LINE STA. 151+00.00 DRAWING No. 54-0011

MATCH LINE STA. 156+00.00 DRAWING No. 54-0013

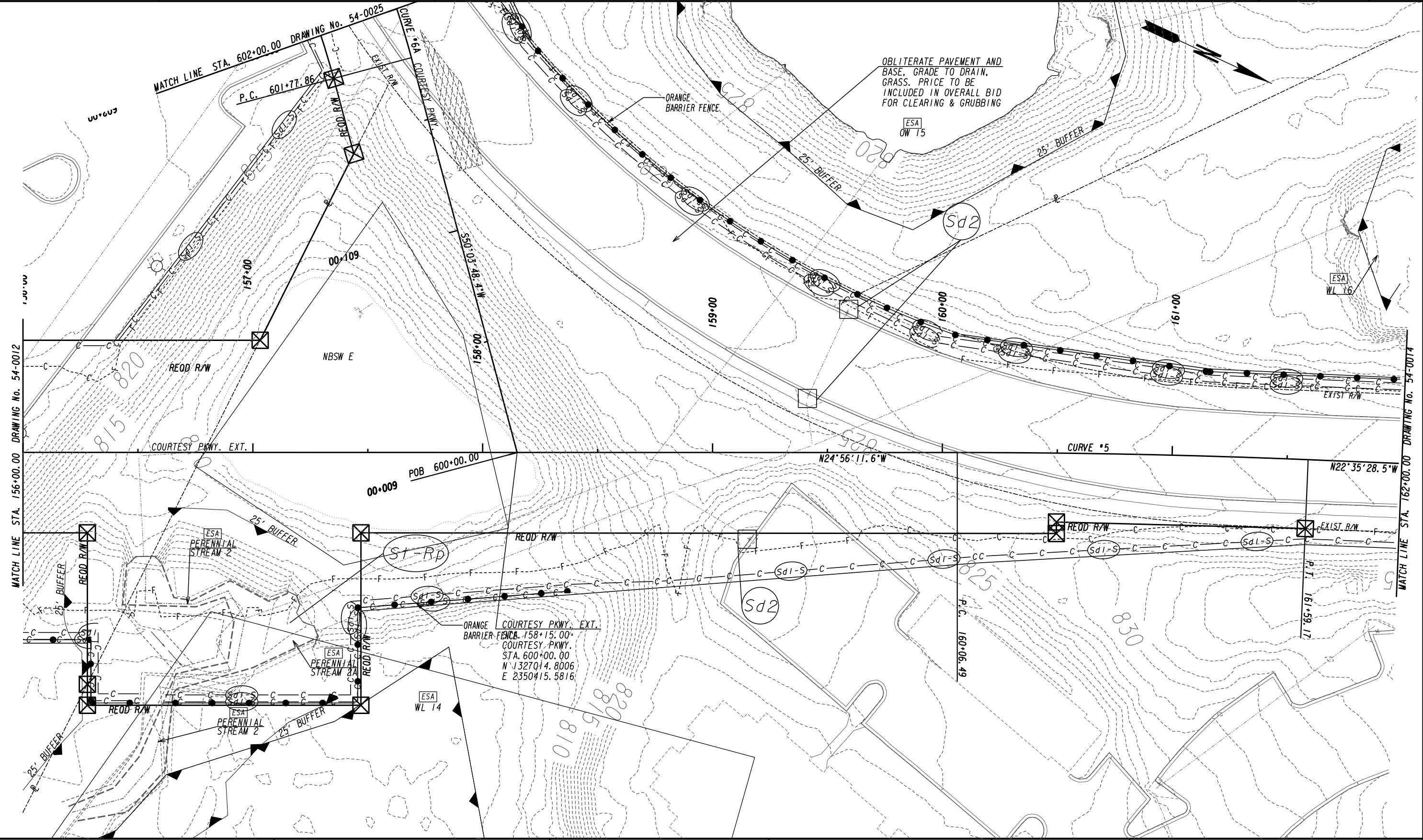
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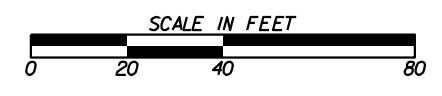
REVISION DATES	

BMP LOCATION DETAILS
 COURTESY PARKWAY EXTENSION
 INITIAL PHASE

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BACKCHECKED:	DATE:	
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VERIFIED:	DATE:	



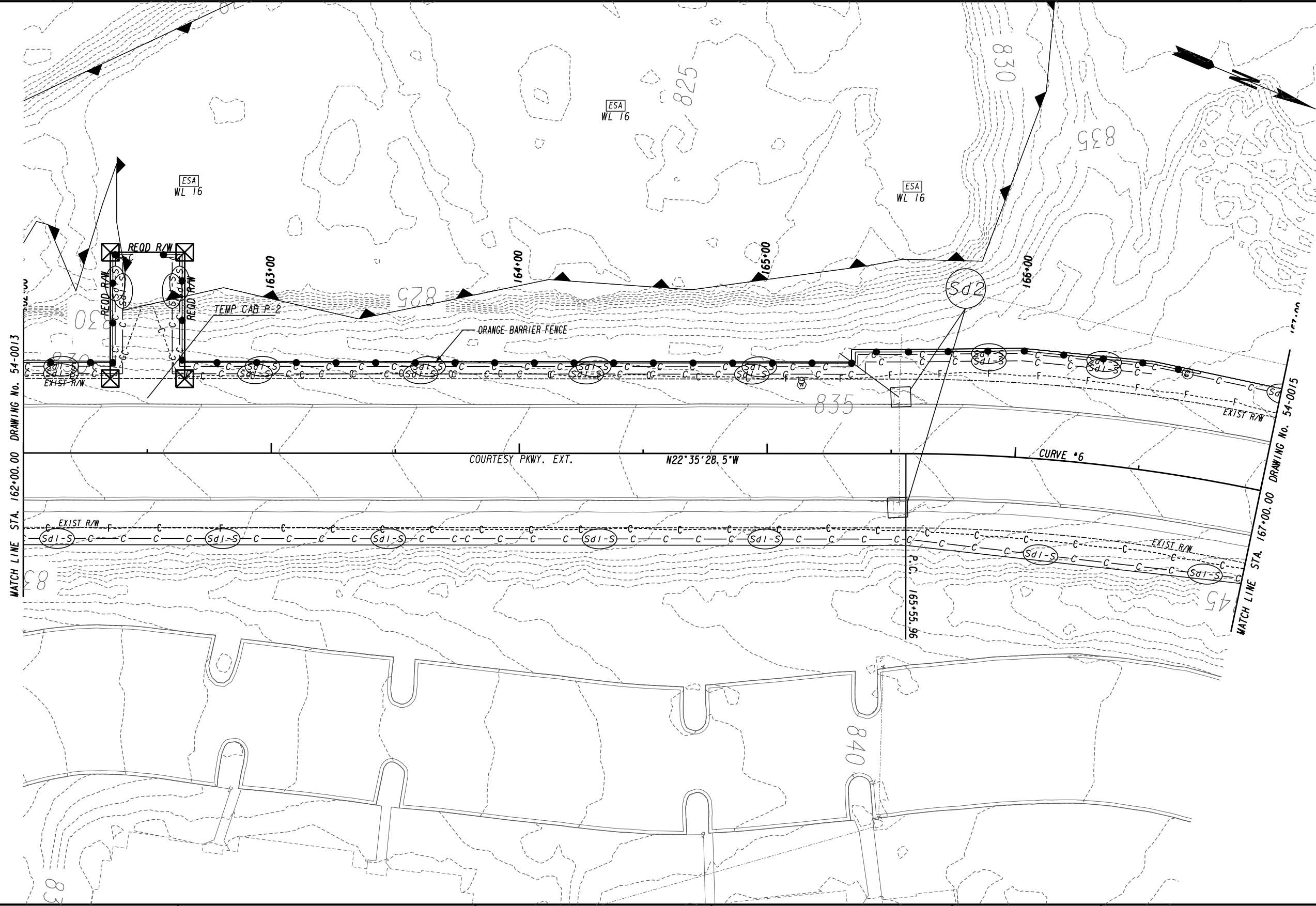
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 Duluth, Georgia 30096
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REVISION DATES	

BMP LOCATION DETAILS
 COURTESY PARKWAY EXTENSION
 INITIAL PHASE

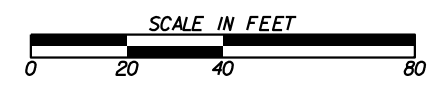
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VERIFIED:	DATE:	



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MATCH LINE STA. 167+00.00 DRAWING No. 54-0015

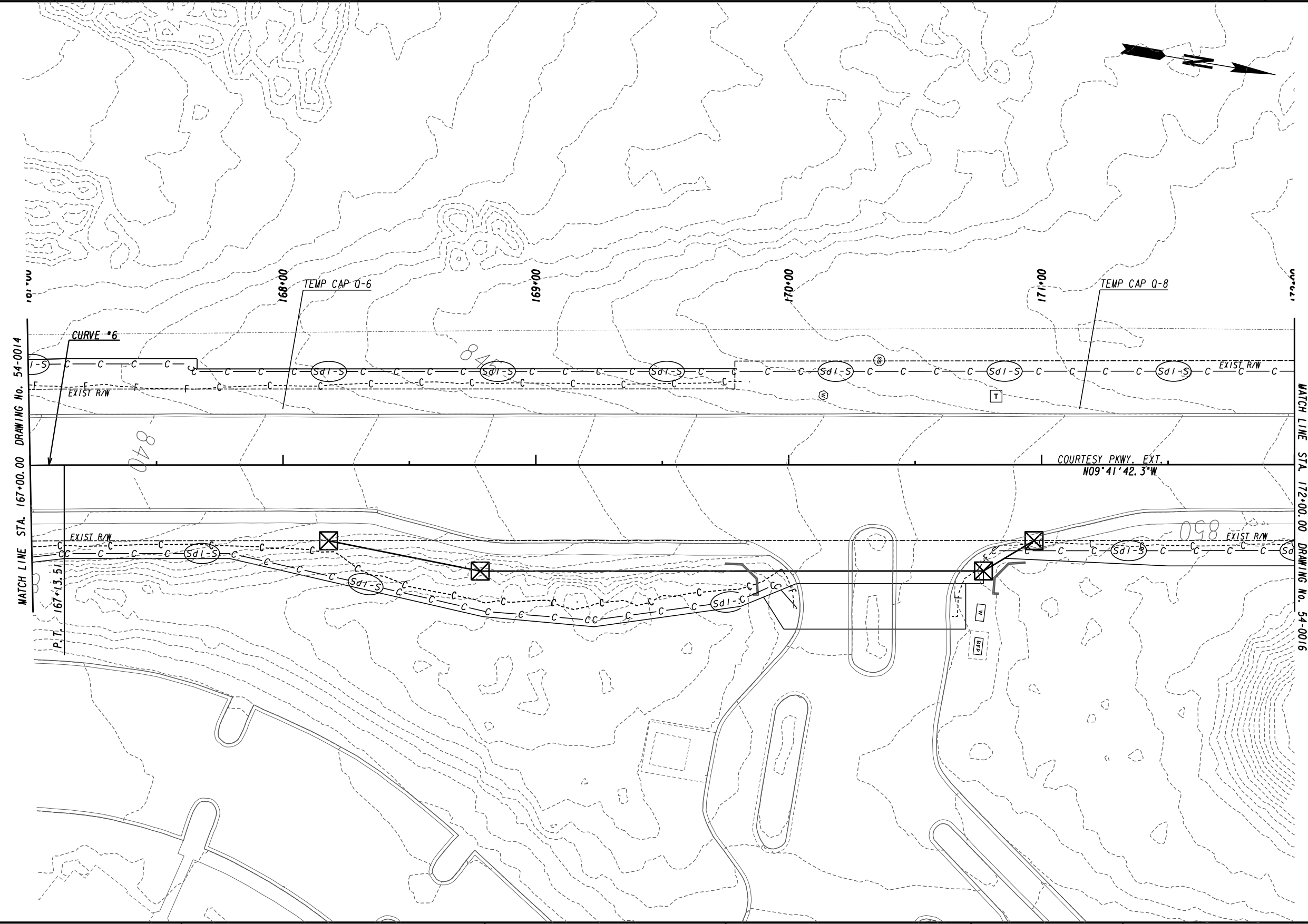
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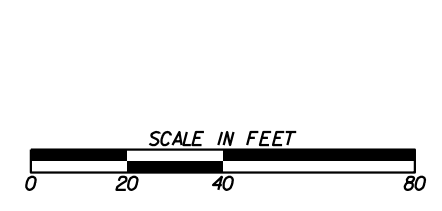
REVISION DATES	

BMP LOCATION DETAILS
 COURTESY PARKWAY EXTENSION
 INITIAL PHASE

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0014
CORRECTED:	DATE:	
VERIFIED:	DATE:	



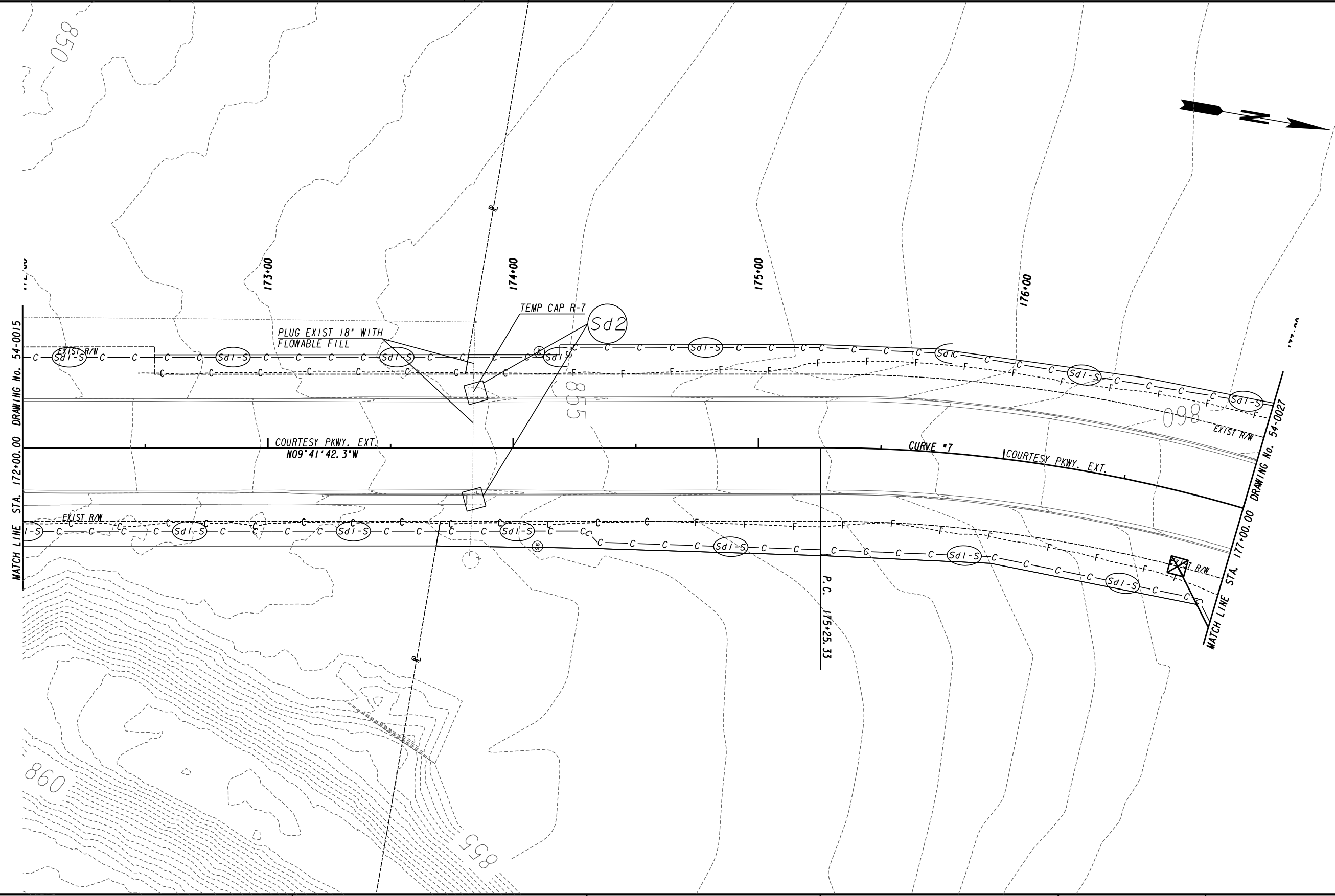
ATLAS
 2450 Commerce Avenue
 Suite 100
 Duluth, Georgia 30096
 770.263.5945



REVISION DATES	

BMP LOCATION DETAILS
 COURTESY PARKWAY EXTENSION
 INITIAL PHASE

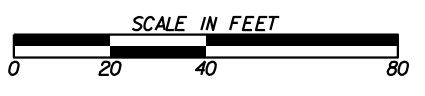
CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0015
CORRECTED:	DATE:	
VERIFIED:	DATE:	



MATCH LINE STA. 172+00.00 DRAWING No. 54-0015

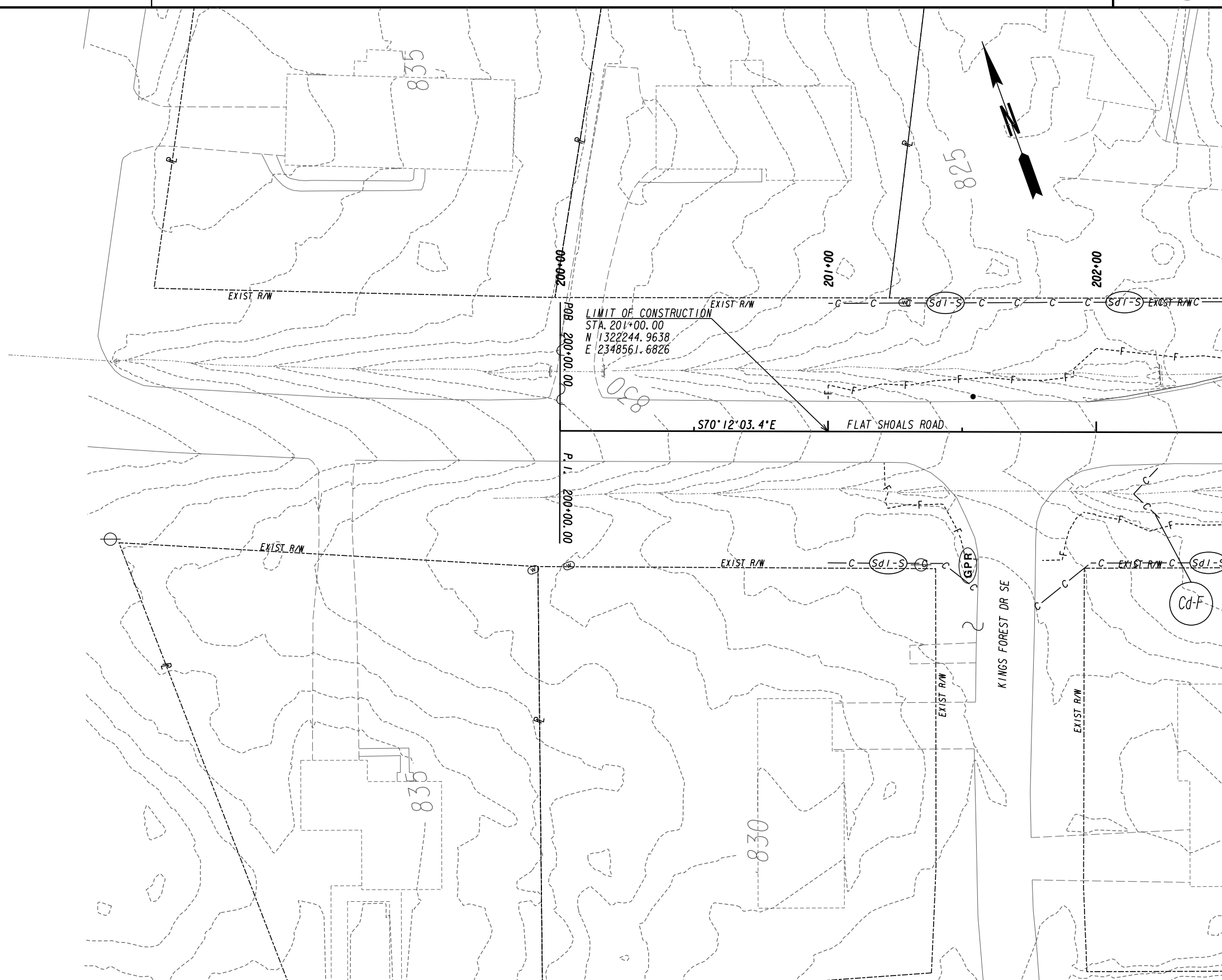
MATCH LINE STA. 177+00.00 DRAWING No. 54-0027

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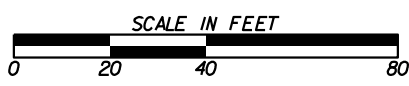
REVISION DATES	

BMP LOCATION DETAILS		
COURTESY PARKWAY EXTENSION		
INITIAL PHASE		
CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0016
CORRECTED:	DATE:	
VERIFIED:	DATE:	



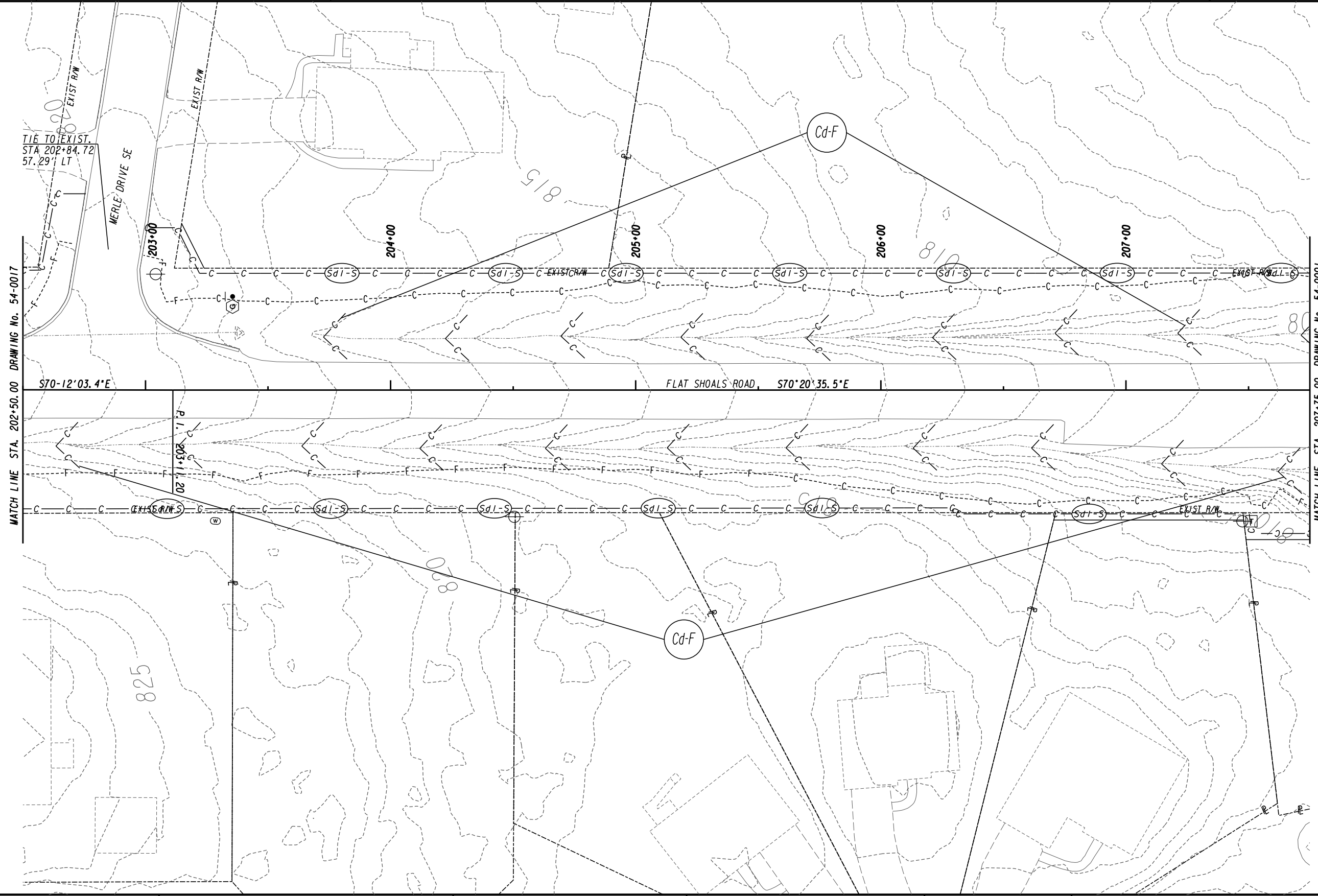
MATCH LINE STA. 202+50.00 DRAWING No. 54-0018

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REVISION DATES	

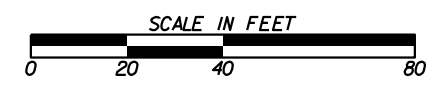
BMP LOCATION DETAILS			
FLAT SHOALS ROAD			
INITIAL PHASE			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			54-0017



MATCH LINE STA. 202+50.00 DRAWING No. 54-0017

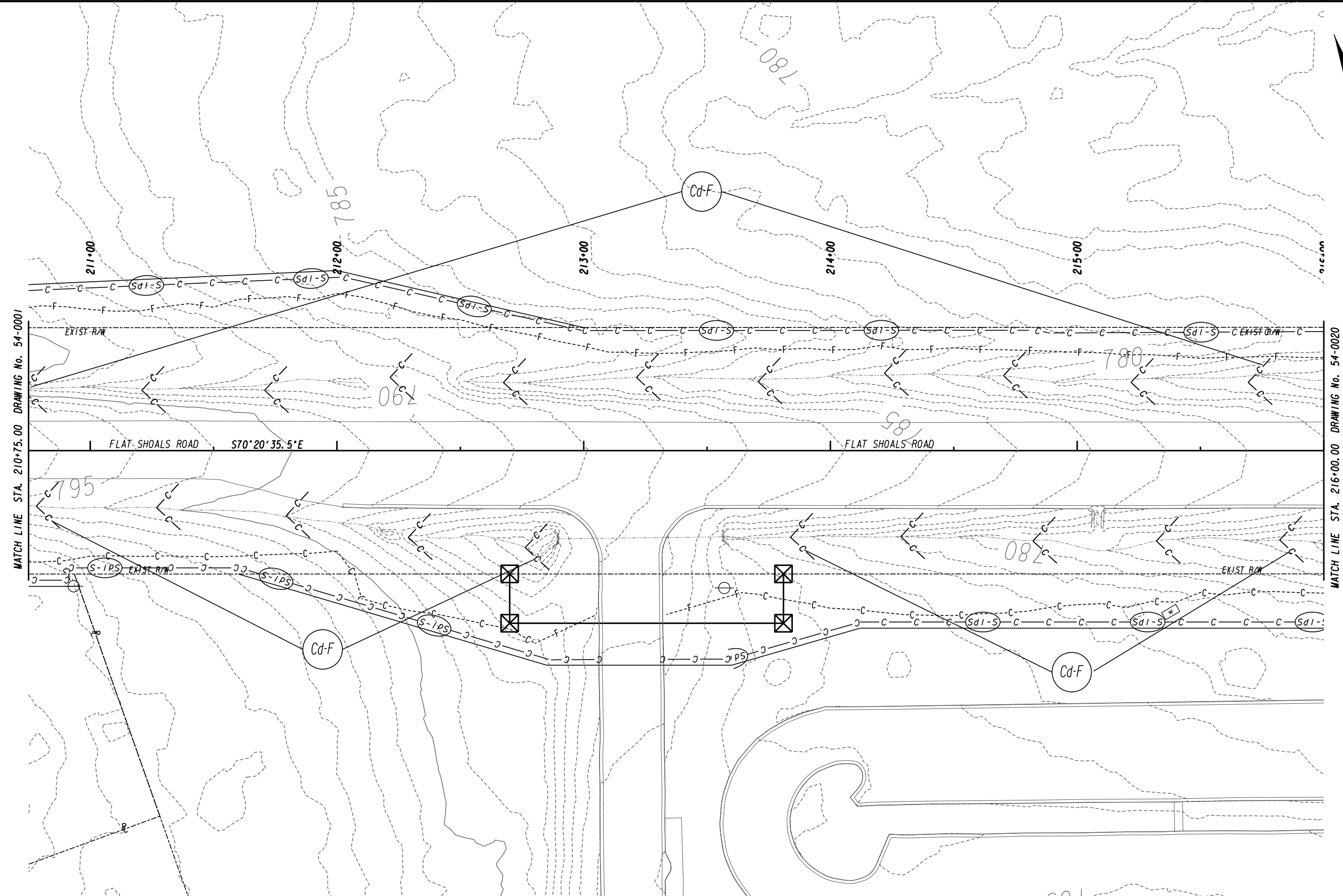
MATCH LINE STA. 207+75.00 DRAWING No. 54-0001

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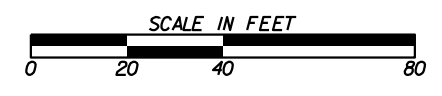


REVISION DATES	

BMP LOCATION DETAILS			
FLAT SHOALS ROAD			
INITIAL PHASE			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			54-0018



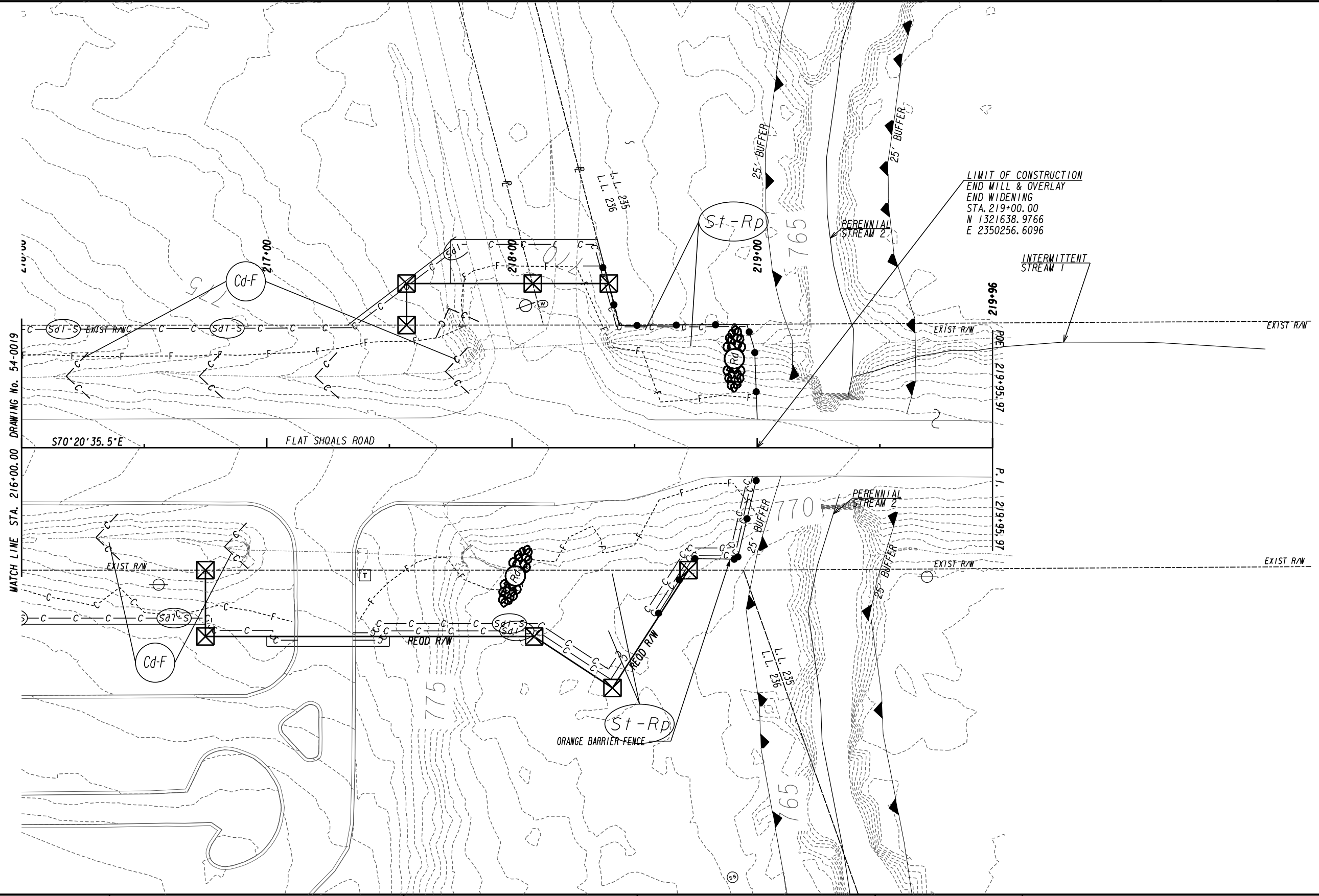
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 770.263.5945



REVISION DATES	

BMP LOCATION DETAILS
 FLAT SHOALS ROAD
 INITIAL PHASE

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0019
CORRECTED:	DATE:	
VERIFIED:	DATE:	



DRAWING No. 54-0019
STA. 216+00.00
MATCH LINE

LIMIT OF CONSTRUCTION
 END MILL & OVERLAY
 END WIDENING
 STA. 219+00.00
 N 1321638.9766
 E 2350256.6096

INTERMITTENT
STREAM 1

PERENNIAL
STREAM 2

PERENNIAL
STREAM 2

ORANGE BARRIER FENCE

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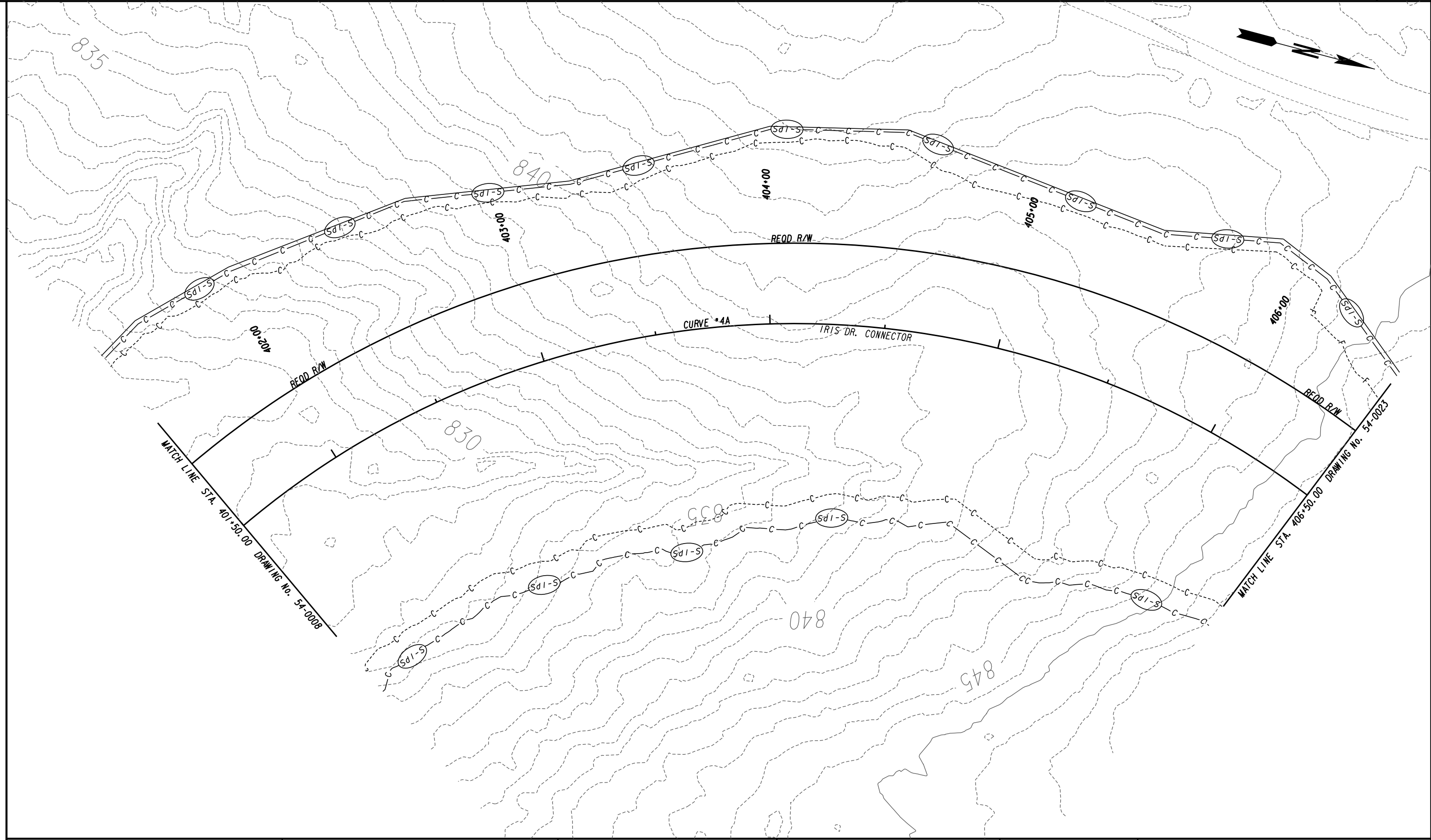


REVISION DATES

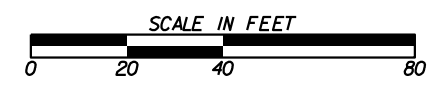
NO.	DATE	DESCRIPTION

BMP LOCATION DETAILS
 FLAT SHOALS ROAD
 INITIAL PHASE

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0020
CORRECTED:	DATE:	
VERIFIED:	DATE:	



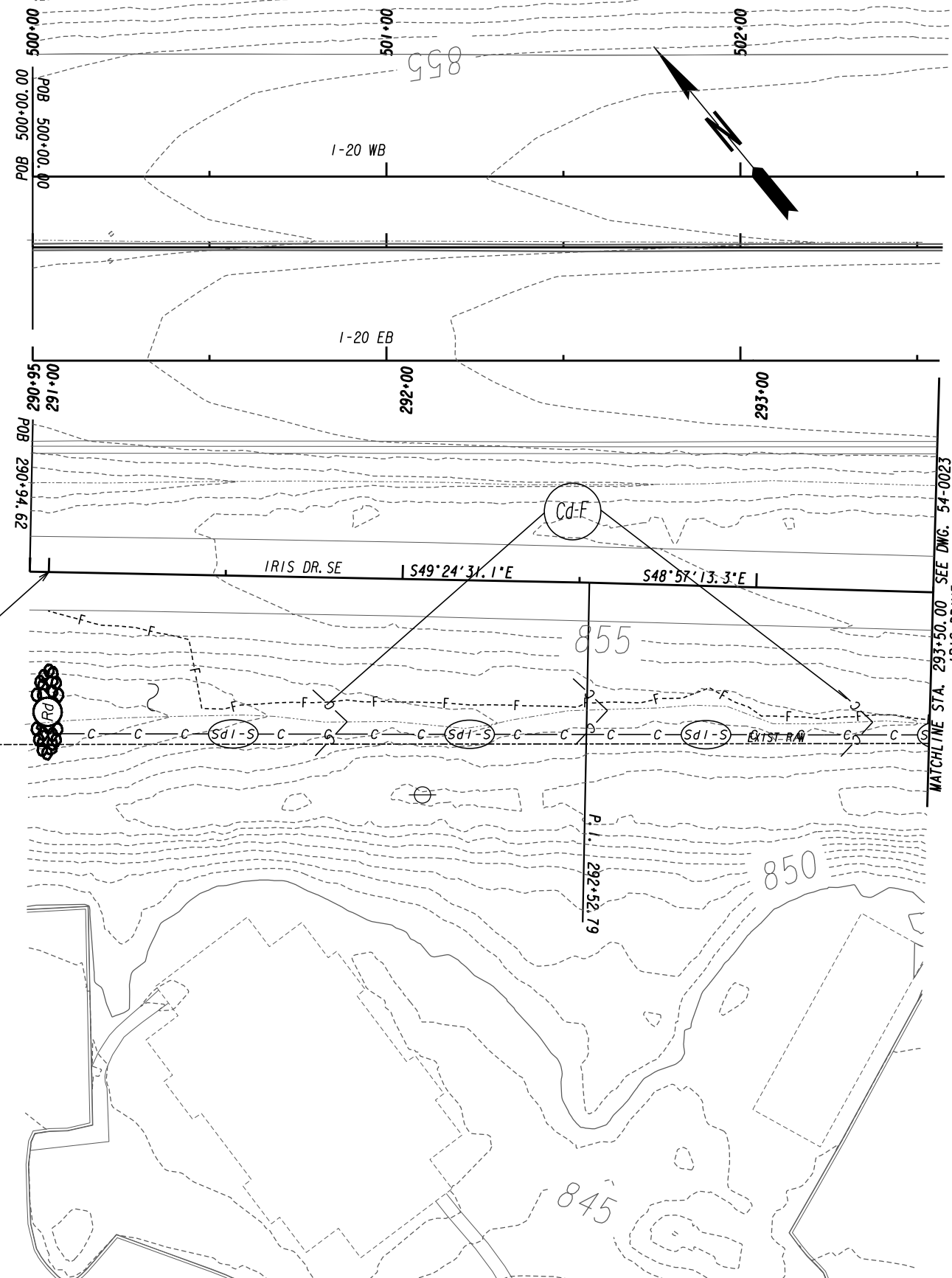
ATLAS
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REVISION DATES	

BMP LOCATION DETAILS
 IRIS DRIVE CONNECTOR
 INITIAL PHASE

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0021
CORRECTED:	DATE:	
VERIFIED:	DATE:	

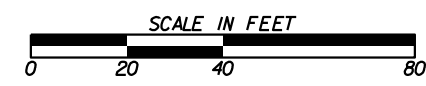


LIMIT OF CONSTRUCTION
 BEGIN MILL & OVERLAY
 STA. 291+00.00
 N 1326184.4555
 E 2349399.0842

EXIST. R/W

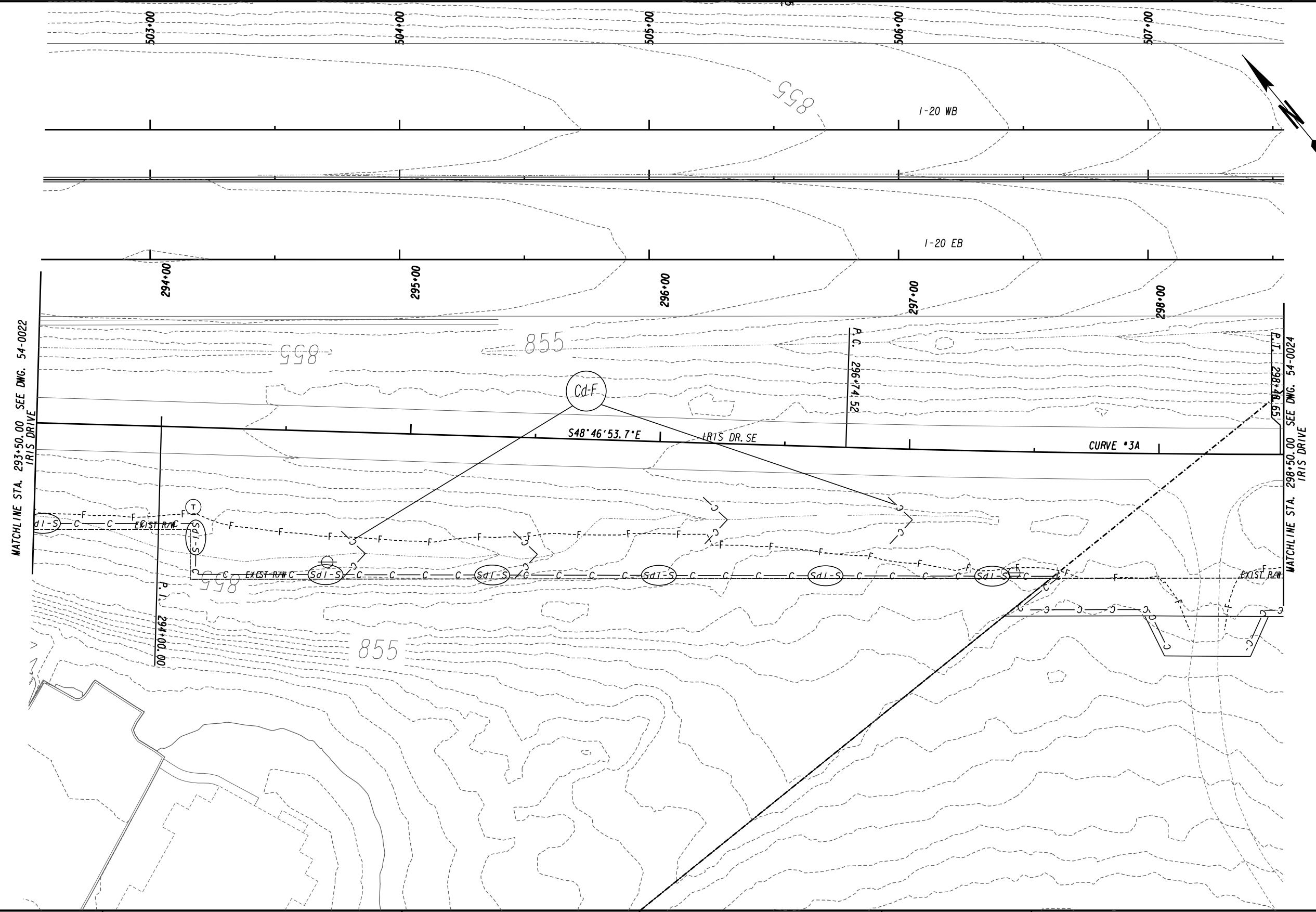
MATCHLINE STA. 293+50.00 SEE DWG. 54-0023
 IRIS DRIVE

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 770.263.5945



REVISION DATES	

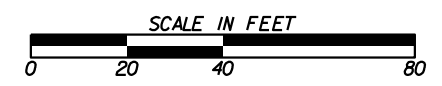
BMP LOCATION DETAILS			
IRIS DRIVE SE			
INITIAL PHASE			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			54-0022



MATCHLINE STA. 293+50.00 SEE DWG. 54-0022
IRIS DRIVE

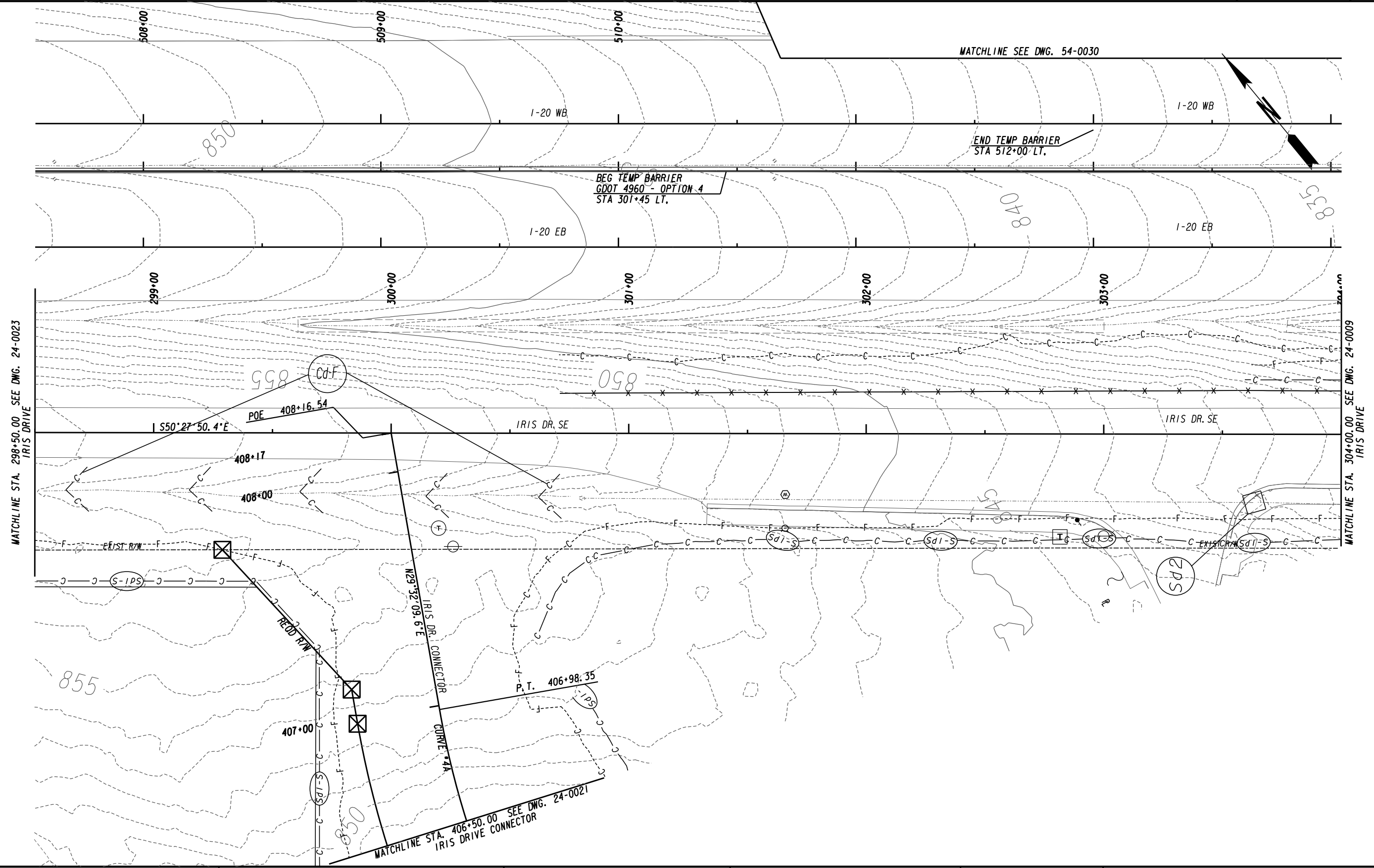
MATCHLINE STA. 298+50.00 SEE DWG. 54-0024
IRIS DRIVE

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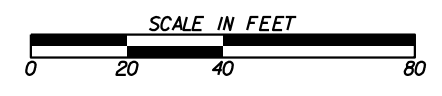


REVISION DATES	

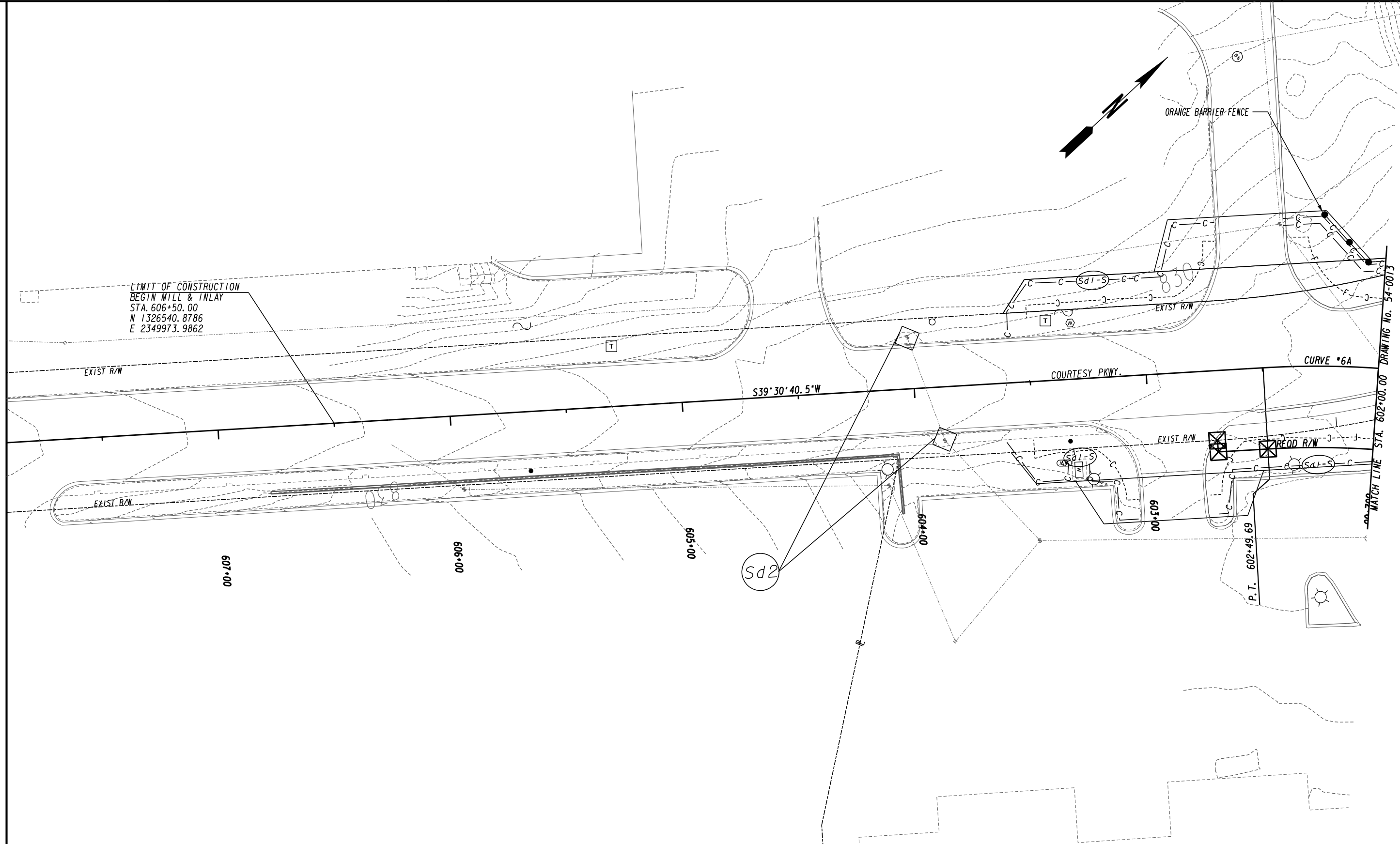
BMP LOCATION DETAILS			
IRIS DRIVE SE			
INITIAL PHASE			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			54-0023



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REVISION DATES		BMP LOCATION DETAILS	
		IRIS DRIVE SE	
		INITIAL PHASE	
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	54-0024	
CORRECTED:	DATE:		
VERIFIED:	DATE:		



LIMIT OF CONSTRUCTION
 BEGIN MILL & INLAY
 STA. 606+50.00
 N 1326540.8786
 E 2349973.9862

EXIST R/W

EXIST R/W

COURTESY PKWY.

CURVE #6A

S39°30'40.5"W

EXIST R/W

PROP R/W

607+00

606+00

605+00

604+00

603+00

P.T. 602+49.69

STA. 602+00.00 DRAWING No. 54-0013
MATCH LINE

Sd2

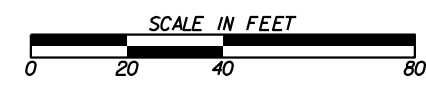
REVISION DATES

NO.	DATE	DESCRIPTION

BMP LOCATION DETAILS
 COURTESY PARKWAY
 INITIAL PHASE

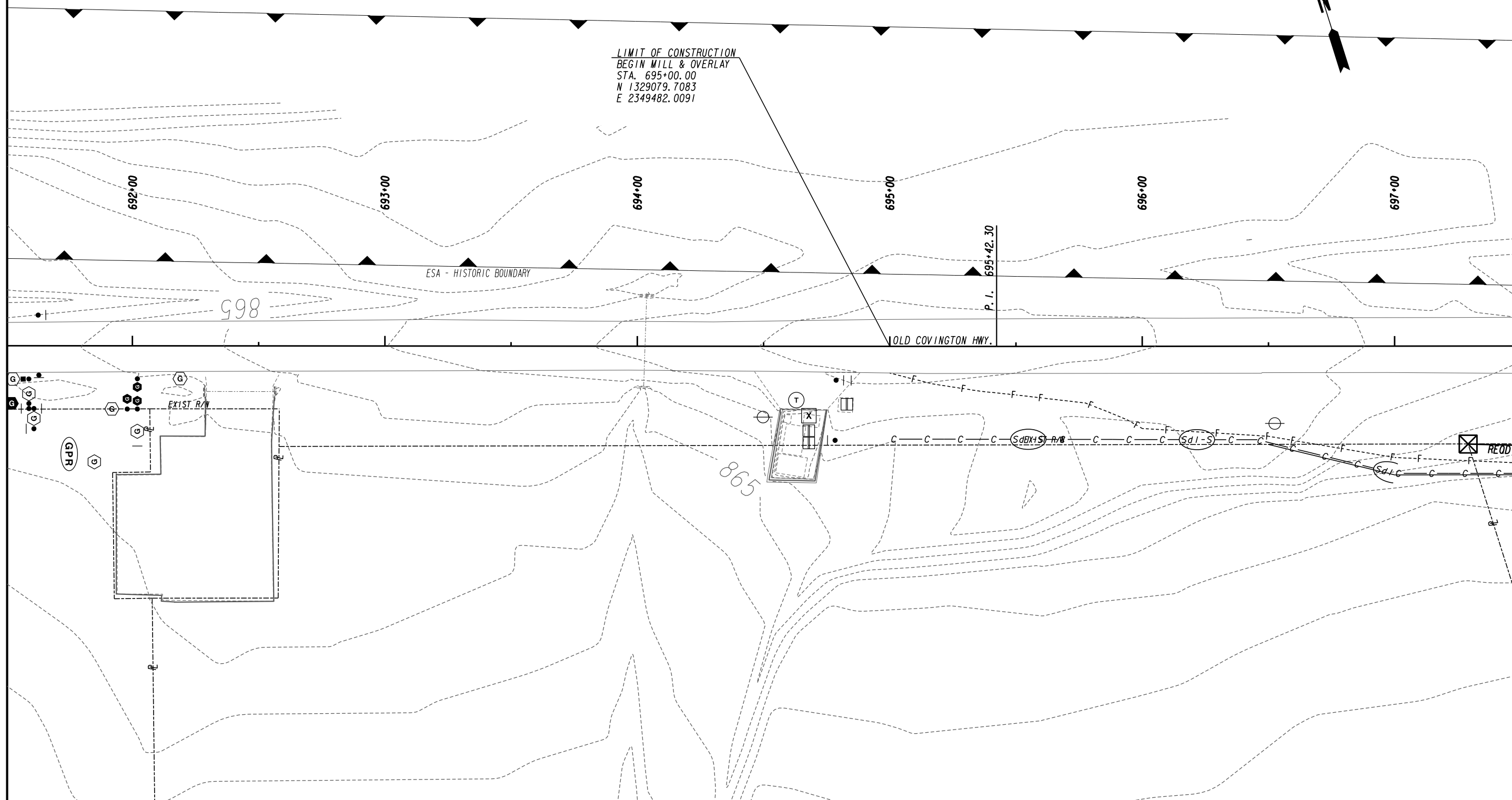
CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0025
CORRECTED:	DATE:	
VERIFIED:	DATE:	

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LIMIT OF CONSTRUCTION
BEGIN MILL & OVERLAY
STA. 695+00.00
N 1329079.7083
E 2349482.0091



GPR

EXIST. R/W

ESA - HISTORIC BOUNDARY

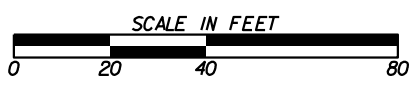
OLD COVINGTON HWY.

P.I. 695+42.30

MATCH LINE STA. 697+50.00 DRAWING No. 54-0027

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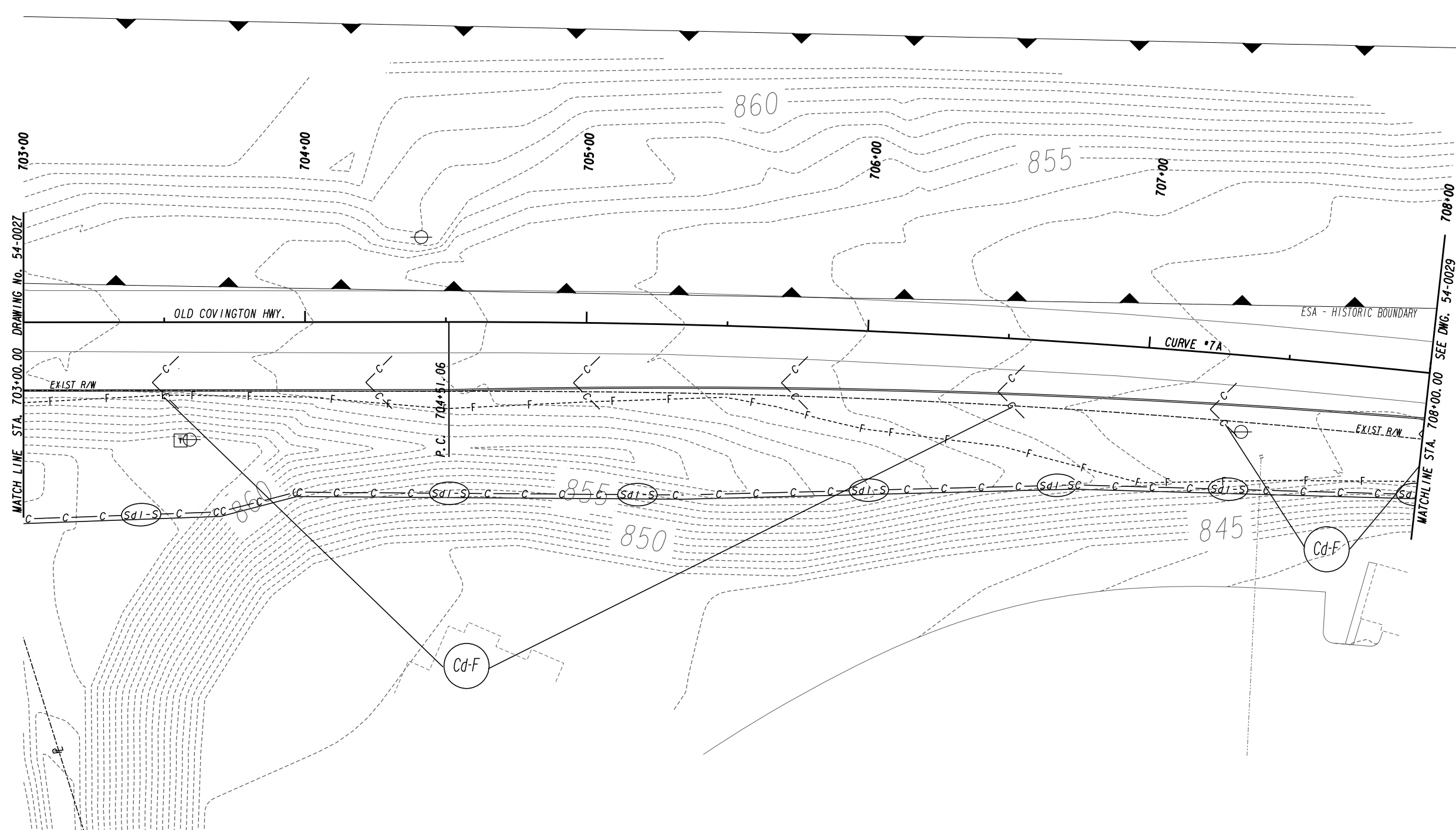
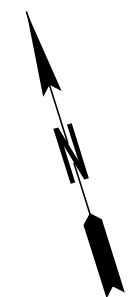


REVISION DATES

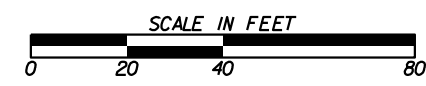
NO.	DATE	DESCRIPTION

BMP LOCATION DETAILS
OLD COVINGTON HIGHWAY
INITIAL PHASE

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0026
CORRECTED:	DATE:	
VERIFIED:	DATE:	

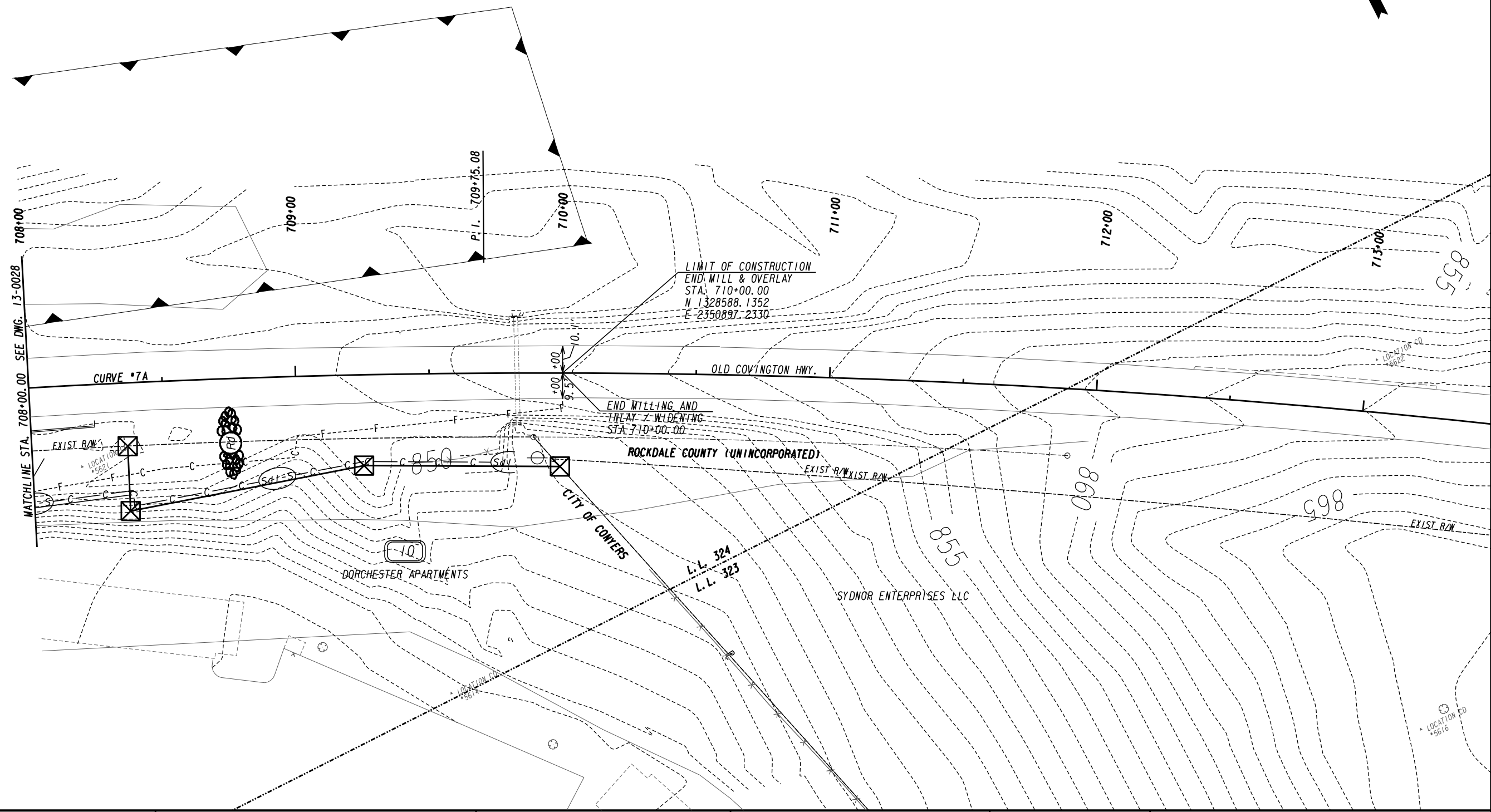
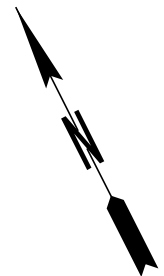


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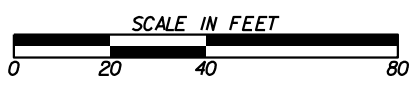


REVISION DATES	

BMP LOCATION DETAILS			
OLD COVINGTON HIGHWAY			
INITIAL PHASE			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			54-0028



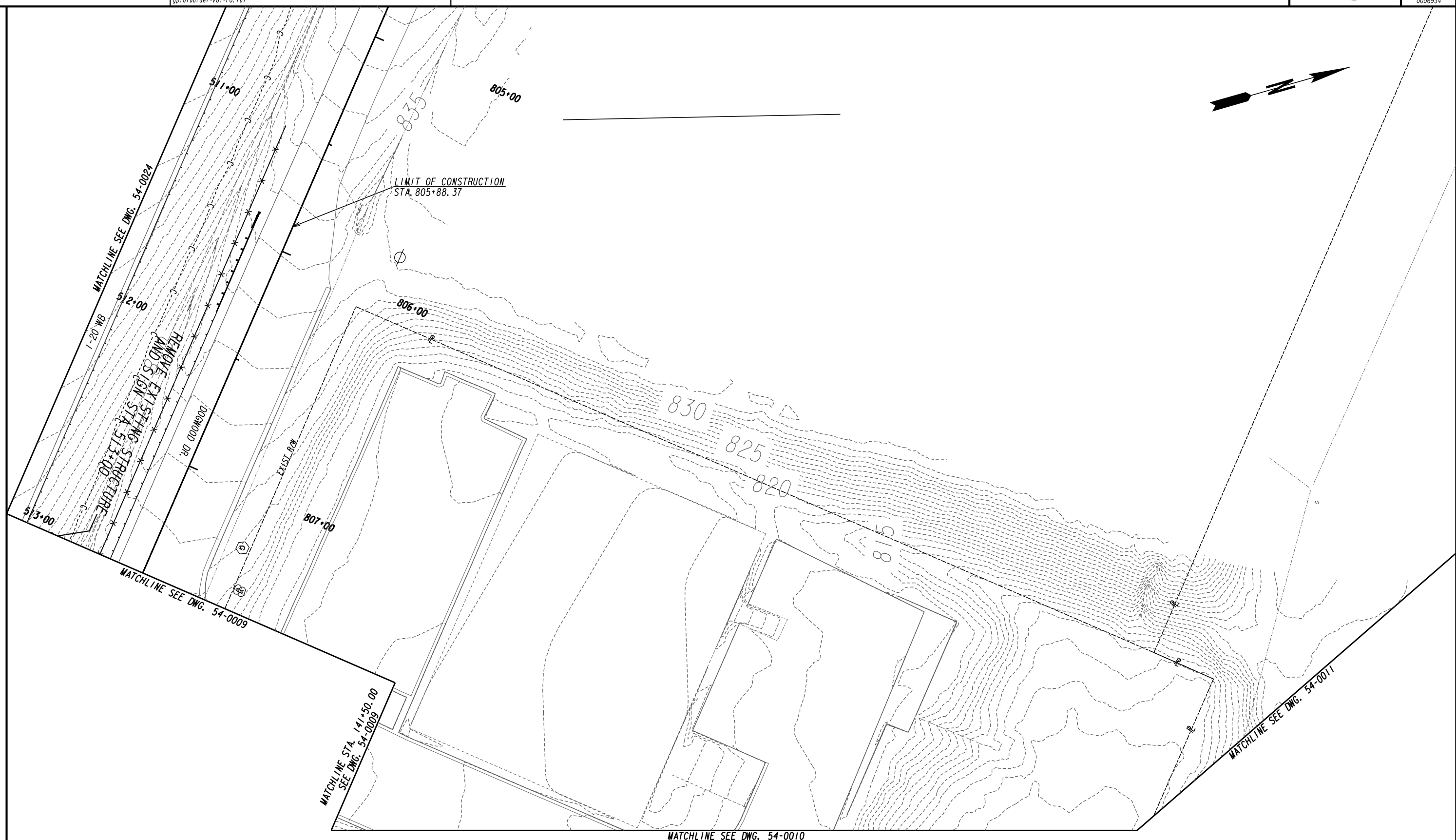
ATLAS
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 770.263.5945



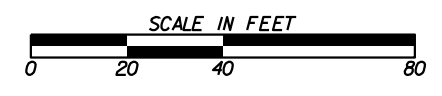
REVISION DATES	

BMP LOCATION DETAILS
 OLD COVINGTON HIGHWAY
 INITIAL PHASE

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0029
CORRECTED:	DATE:	
VERIFIED:	DATE:	



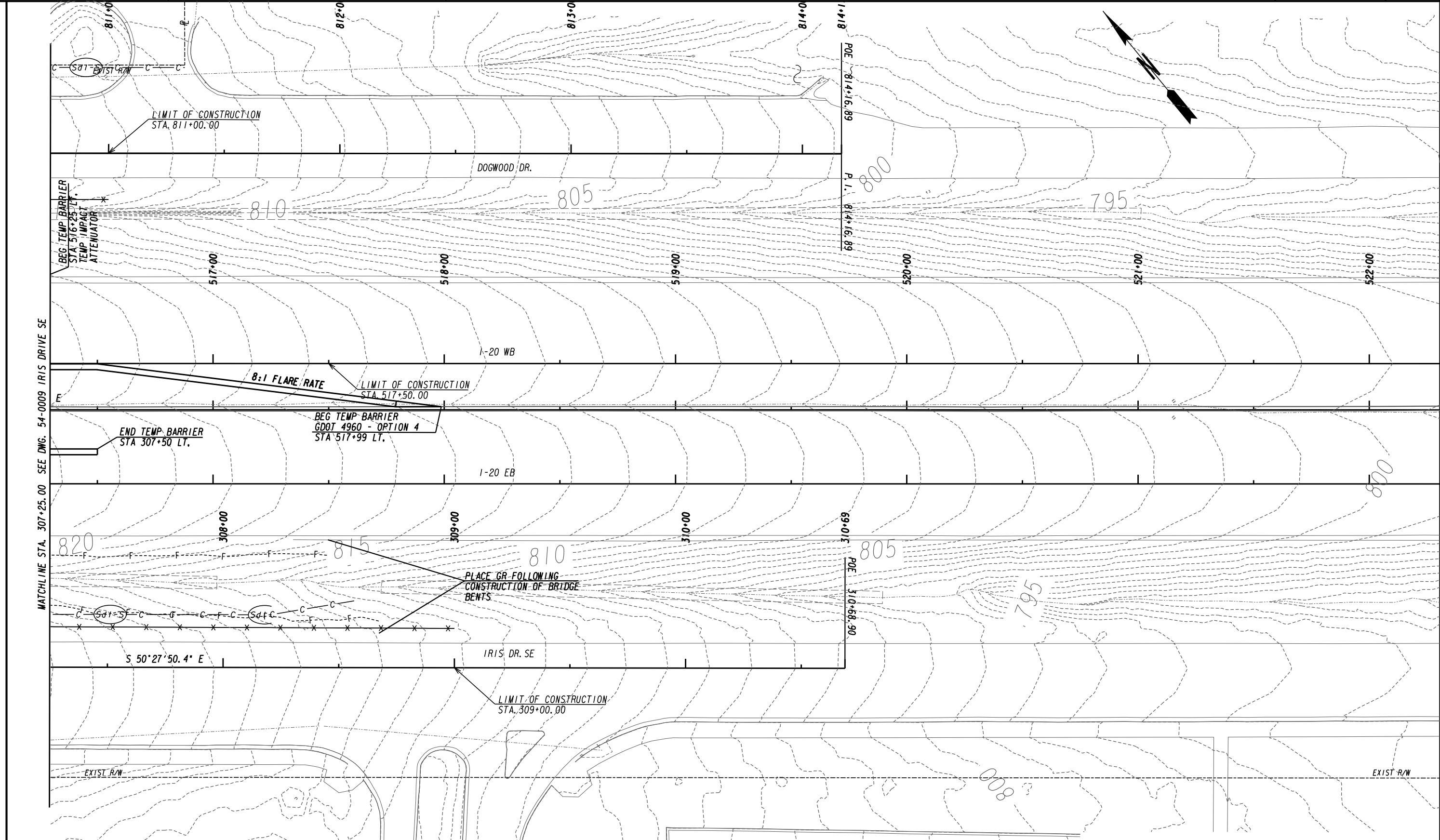
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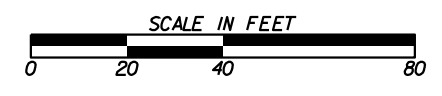
REVISION DATES	

BMP LOCATION DETAILS
 DOGWOOD DRIVE
 INITIAL PHASE

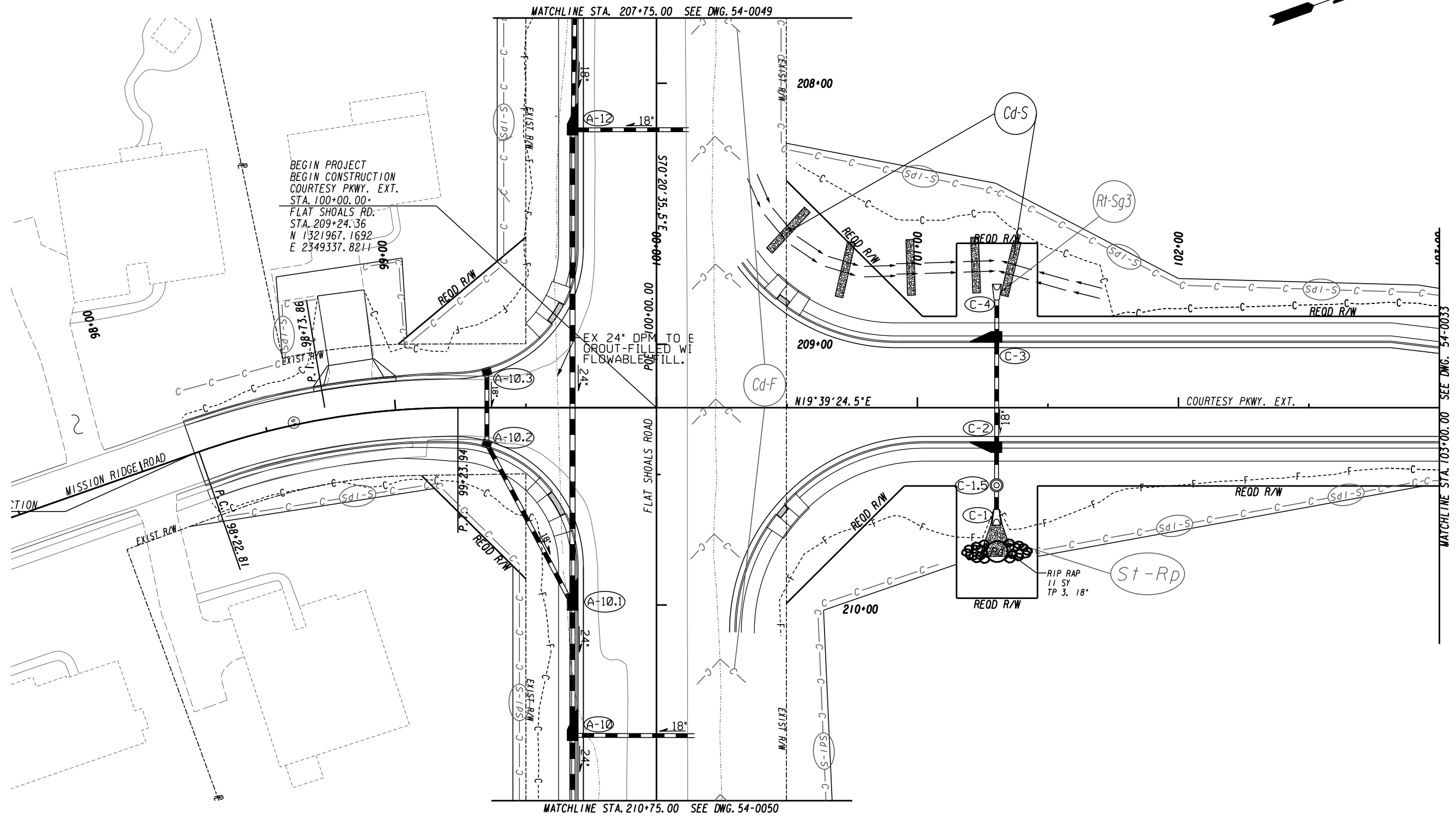
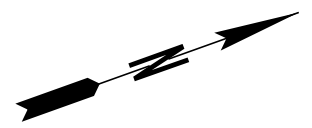
CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0030
CORRECTED:	DATE:	
VERIFIED:	DATE:	



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REVISION DATES		BMP LOCATION DETAILS	
		IRIS DRIVE SE	
		INITIAL PHASE	
CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	54-0031
CORRECTED:		DATE:	
VERIFIED:		DATE:	



BEGIN PROJECT
 BEGIN CONSTRUCTION
 COURTESY PKWY. EXT.
 STA. 100+00.00
 FLAT SHOALS RD.
 STA. 209+24.36
 N 1321967.1692
 E 2349337.8211

EX 24" DP TO E
 OR OUT-FILLED W/
 FLOWABLE FILL.

RIP RAP
 11 SY
 TP 3, 18"

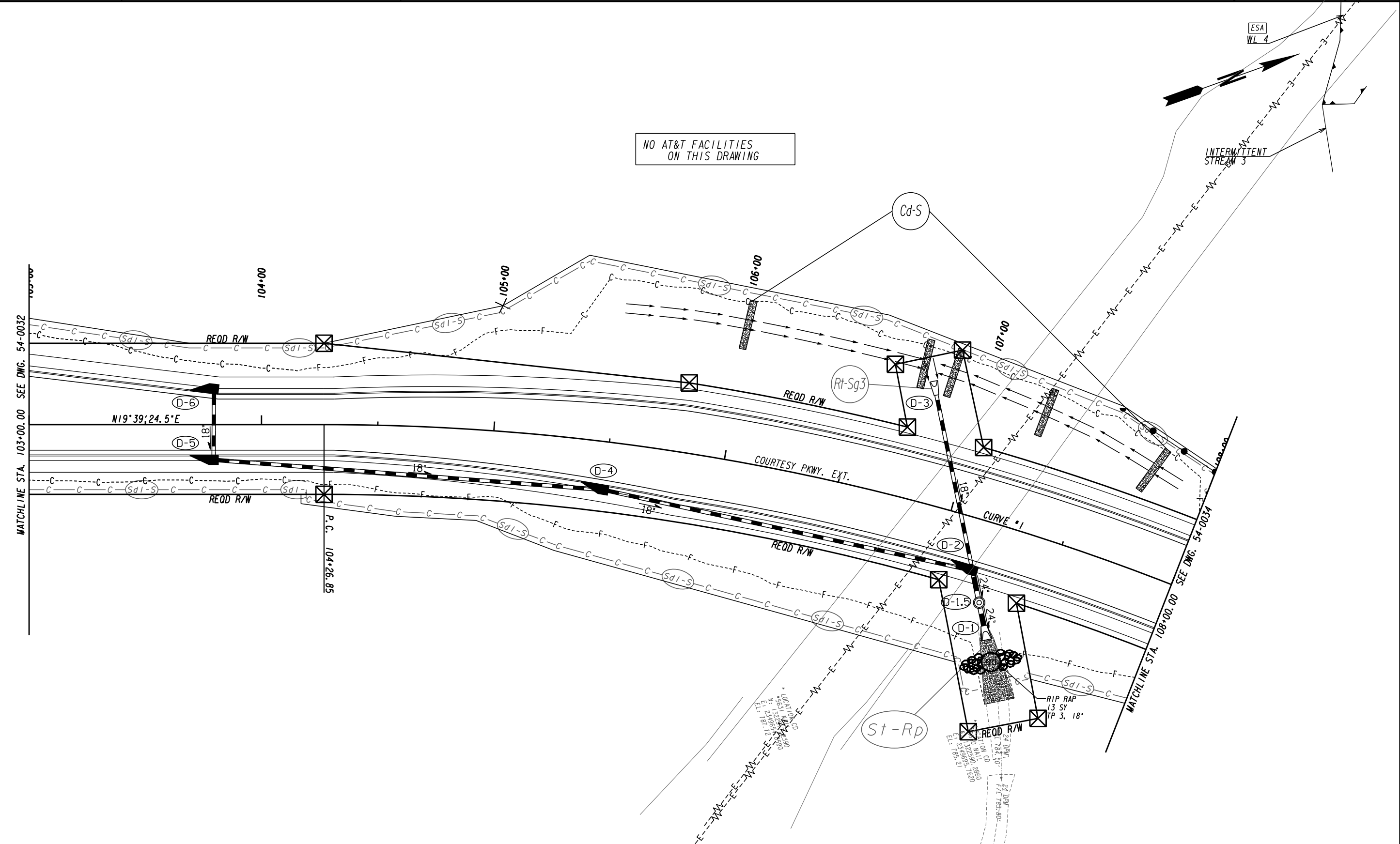
ATLAS
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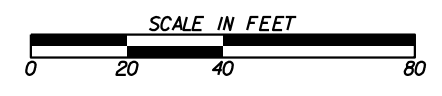
REVISION DATES	

BMP LOCATION DETAILS
 COURTESY PARKWAY EXTENSION
 INTERMEDIATE PHASE

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0032
CORRECTED:	DATE:	
VERIFIED:	DATE:	

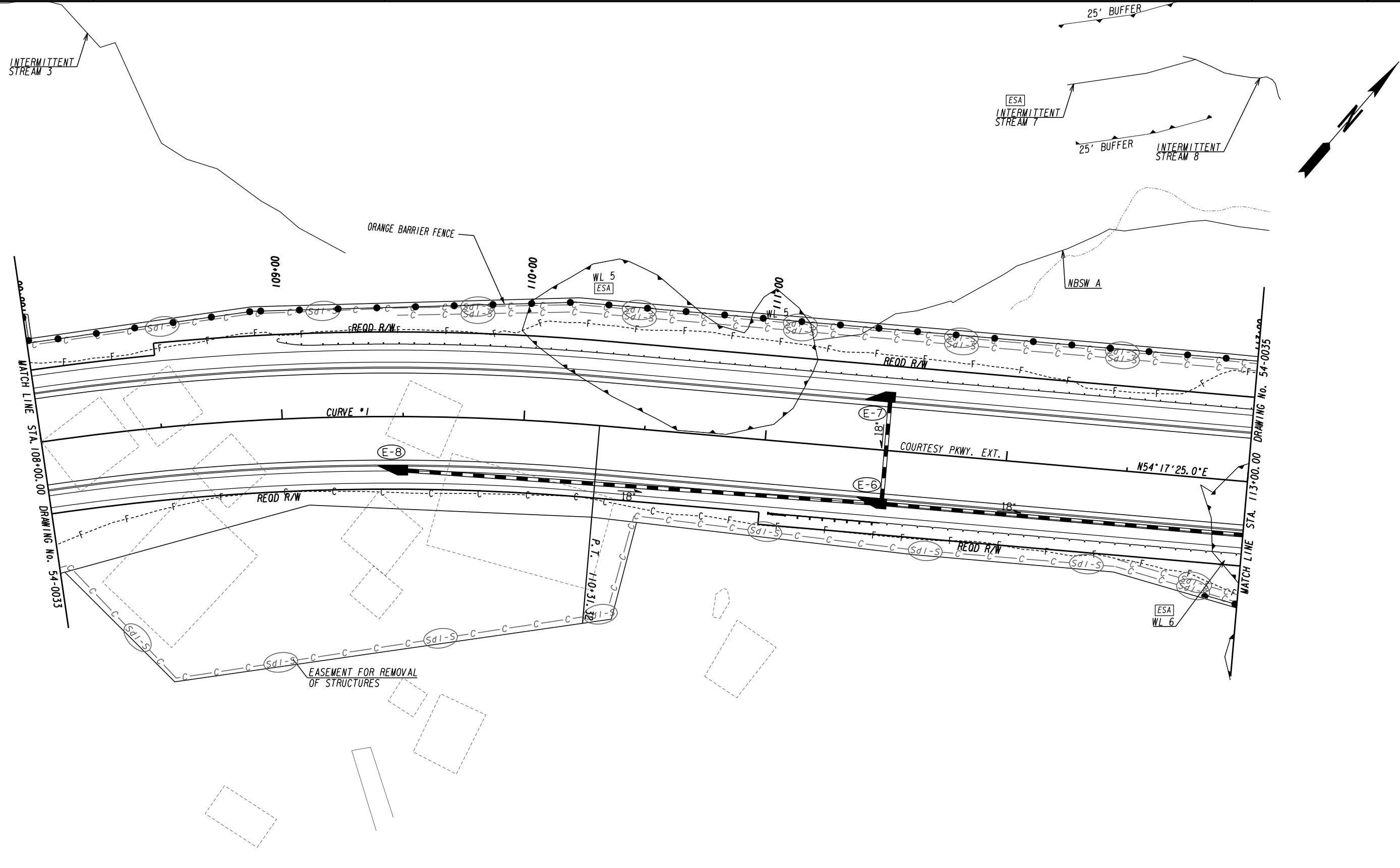


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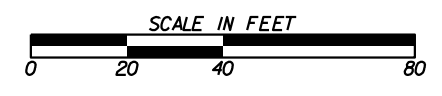


REVISION DATES	

BMP LOCATION DETAILS COURTESY PARKWAY EXTENSION INTERMEDIATE PHASE			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			54-0033



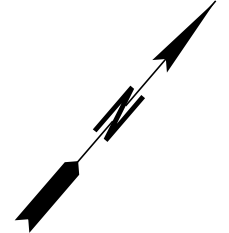
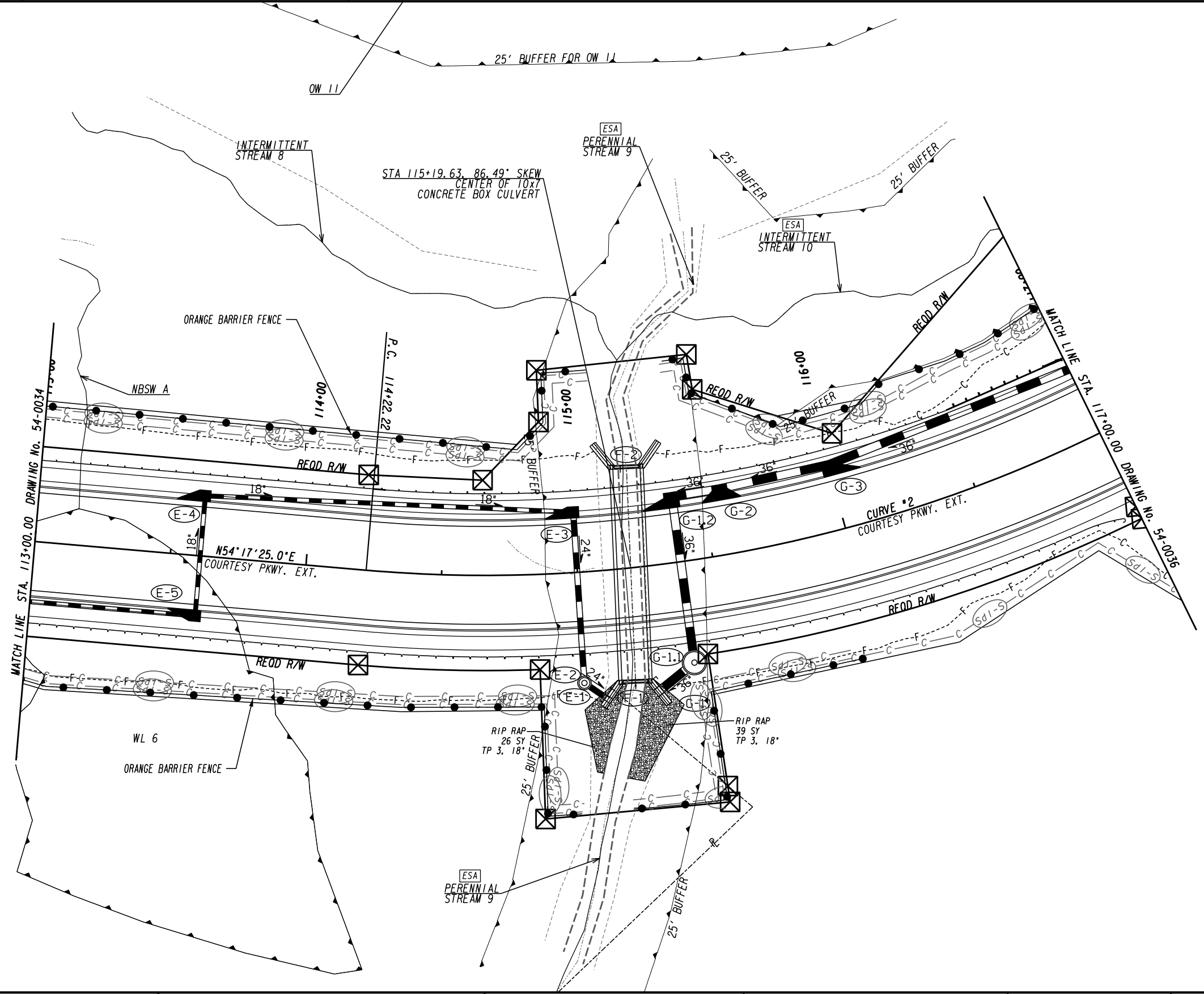
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REVISION DATES	

BMP LOCATION DETAILS
 COURTESY PARKWAY EXTENSION
 INTERMEDIATE PHASE

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0034
CORRECTED:	DATE:	
VERIFIED:	DATE:	

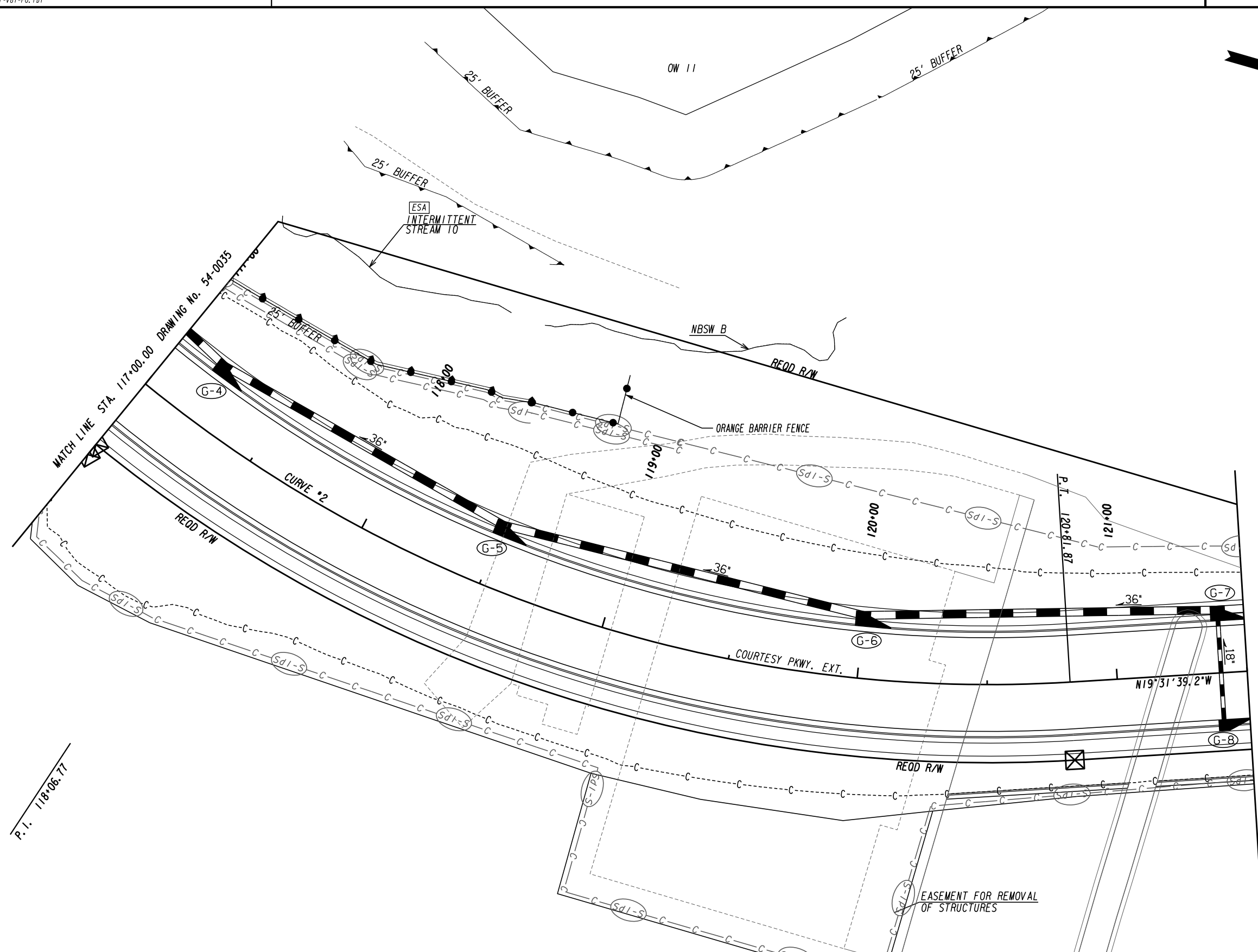


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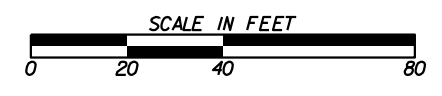


REVISION DATES		DATE		DRAWING No.
CHECKED:		DATE:		
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		

BMP LOCATION DETAILS
 COURTESY PARKWAY EXTENSION
 INTERMEDIATE PHASE



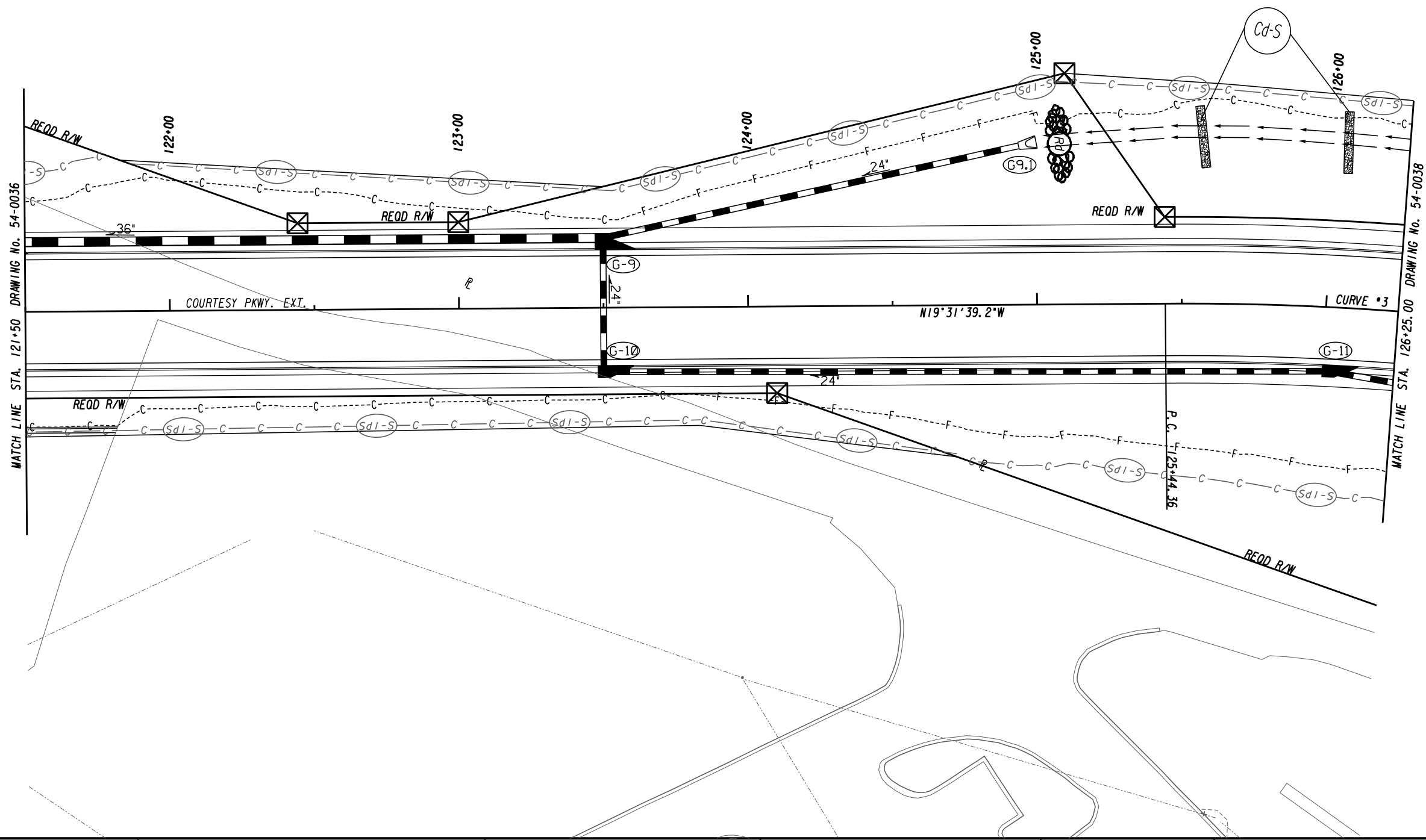
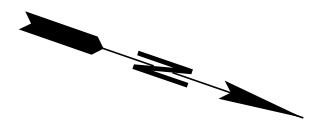
ATLAS
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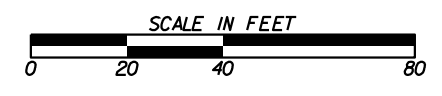
REVISION DATES	

BMP LOCATION DETAILS
 COURTESY PARKWAY EXTENSION
 INTERMEDIATE PHASE

CHECKED:	DATE:	DRAWING No. 54-0036
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



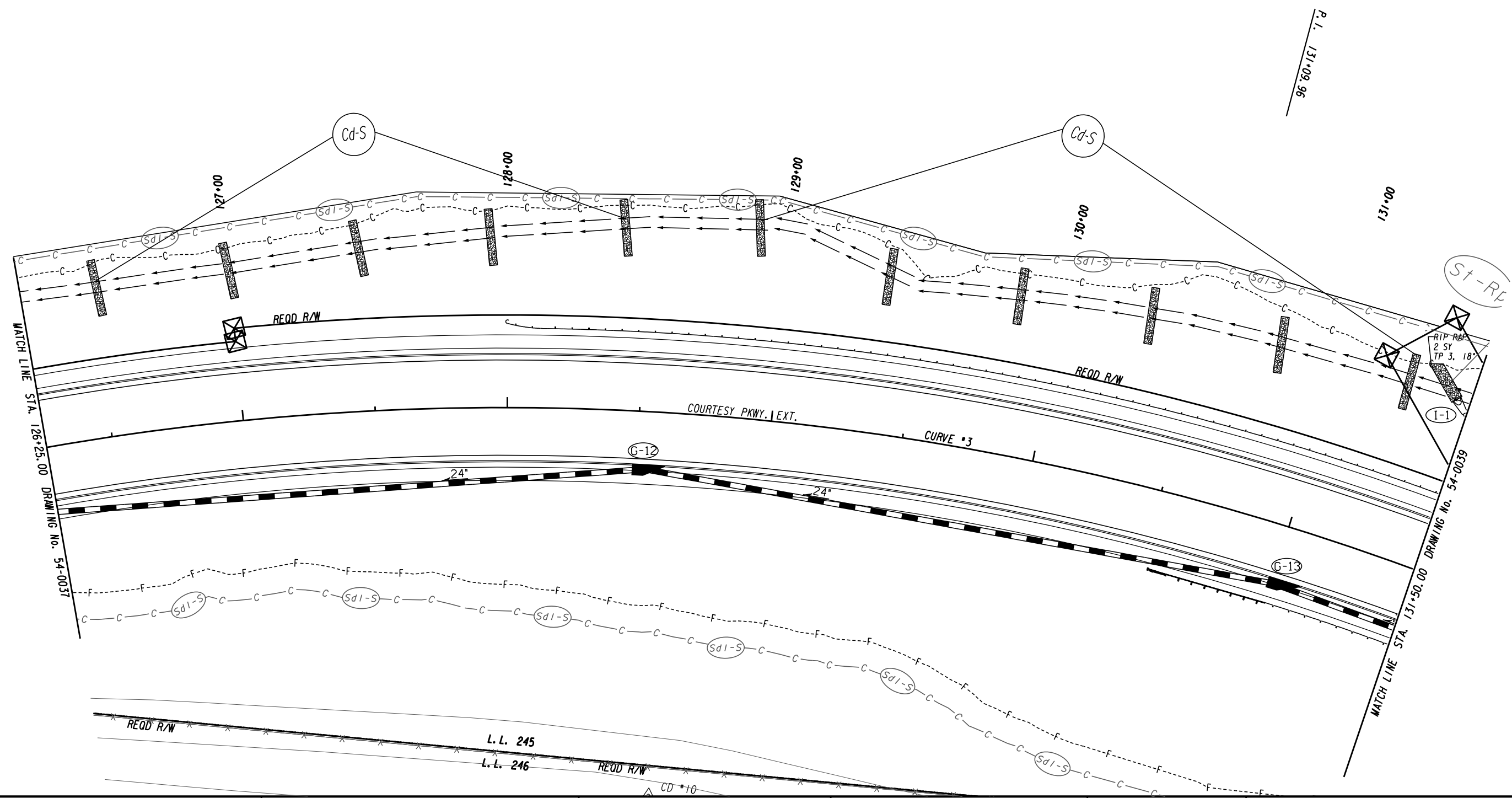
ATLAS
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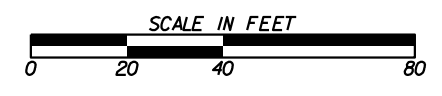
REVISION DATES	

BMP LOCATION DETAILS
 COURTESY PARKWAY EXTENSION
 INTERMEDIATE PHASE

CHECKED:	DATE:	DRAWING No. 54-0037
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



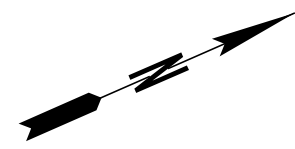
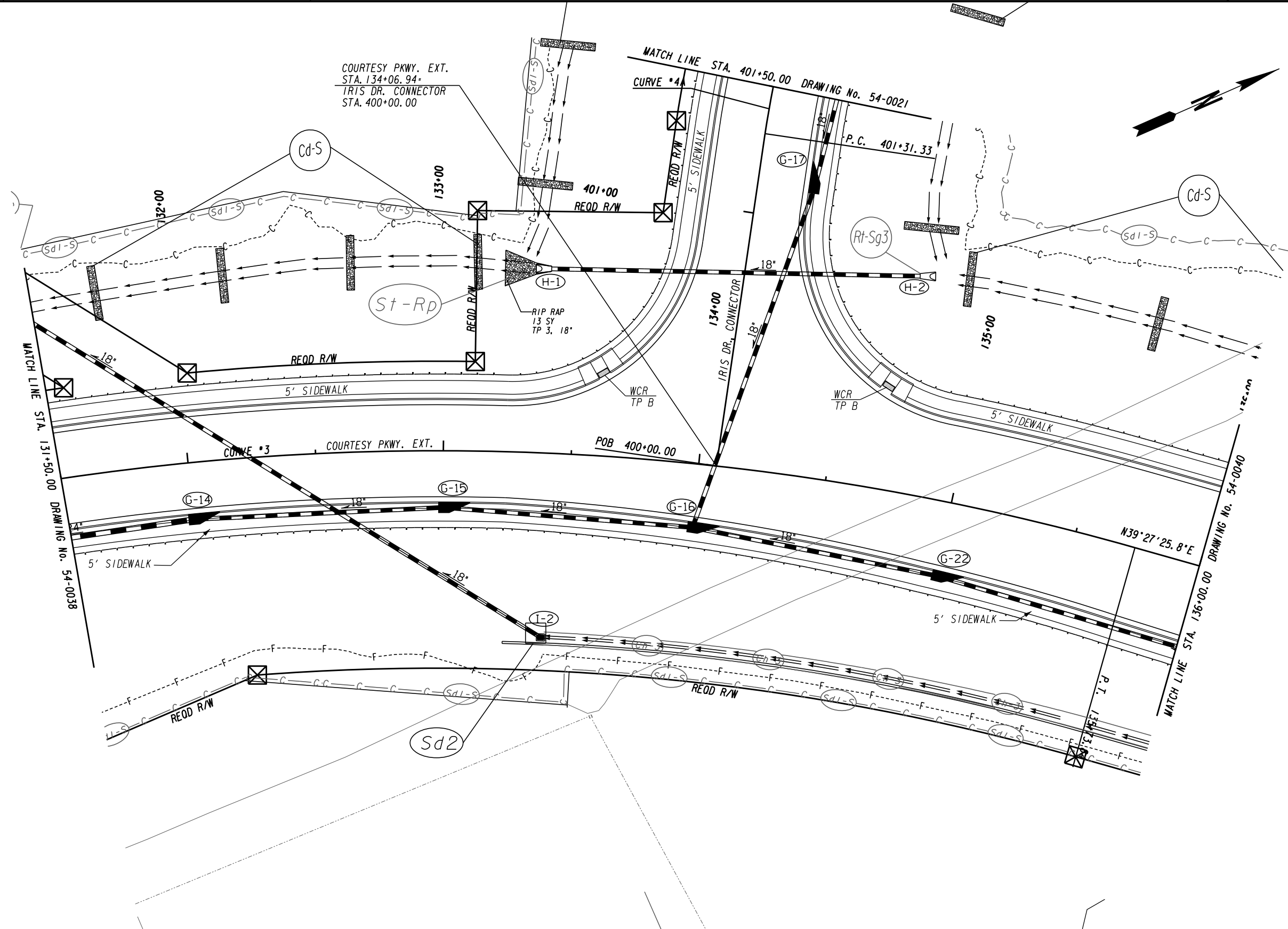
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REVISION DATES	

BMP LOCATION DETAILS
 COURTESY PARKWAY EXTENSION
 INTERMEDIATE PHASE

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0038
CORRECTED:	DATE:	
VERIFIED:	DATE:	

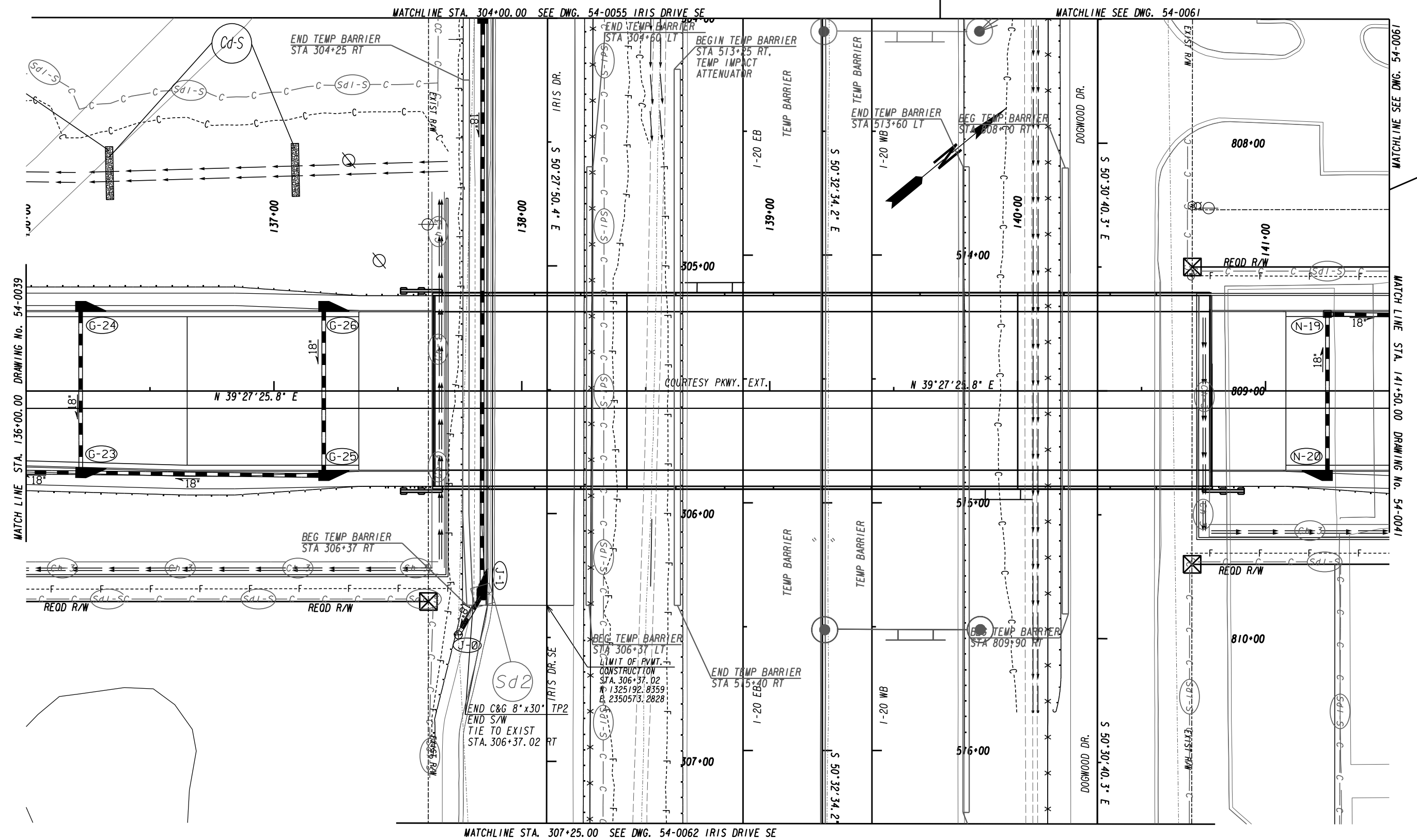


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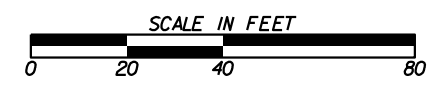


REVISION DATES	

BMP LOCATION DETAILS			
COURTESY PARKWAY EXTENSION			
INTERMEDIATE PHASE			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			54-0039

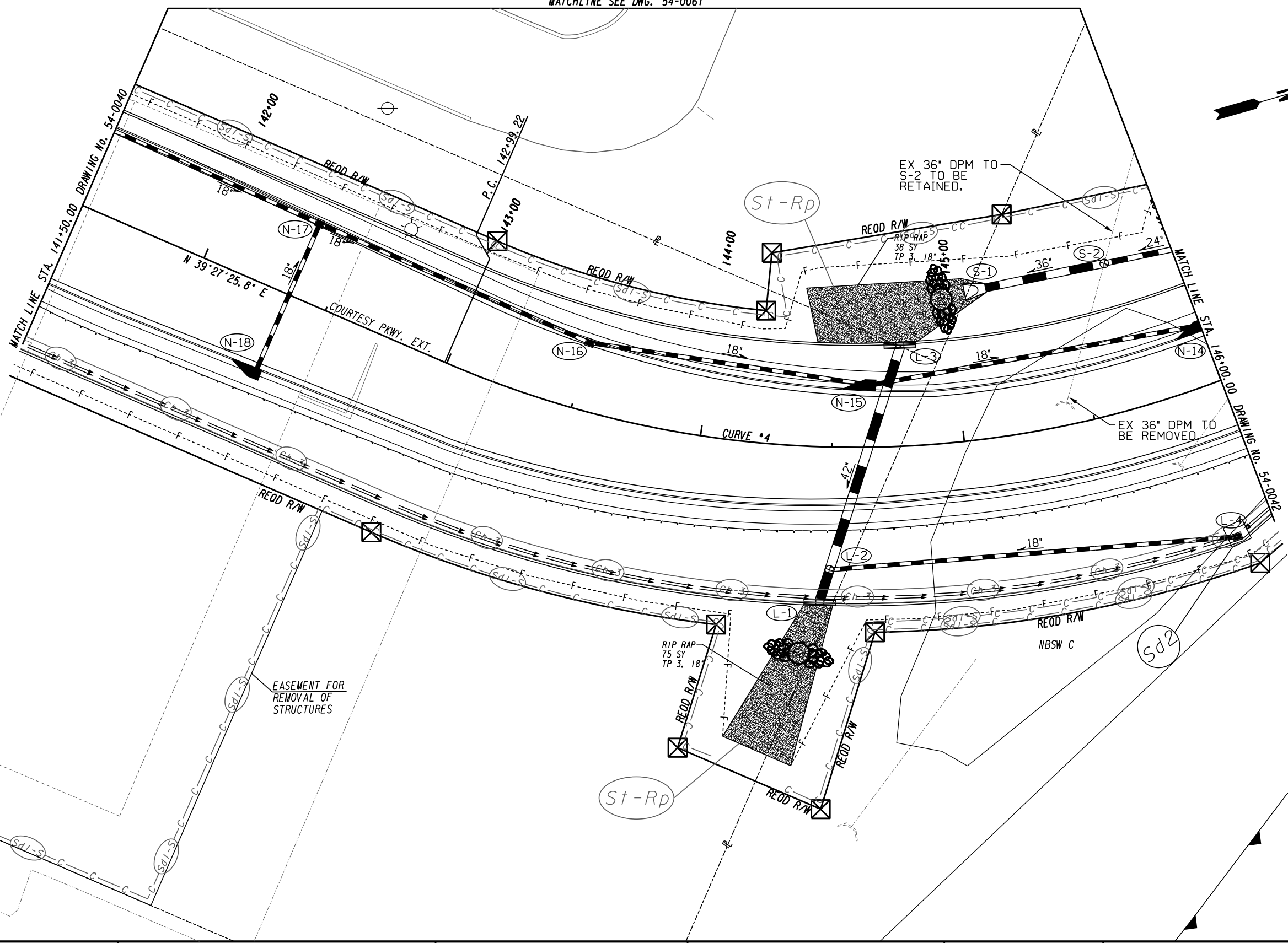


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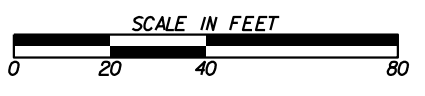


REVISION DATES		BMP LOCATION DETAILS	
CHECKED:	DATE:	COURTESY PARKWAY EXTENSION INTERMEDIATE PHASE	
BACKCHECKED:	DATE:		
CORRECTED:	DATE:		
VERIFIED:	DATE:		
		DRAWING No. 54-0040	

MATCHLINE SEE DWG. 54-0061



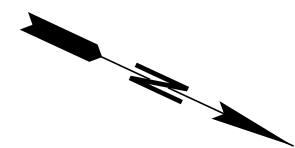
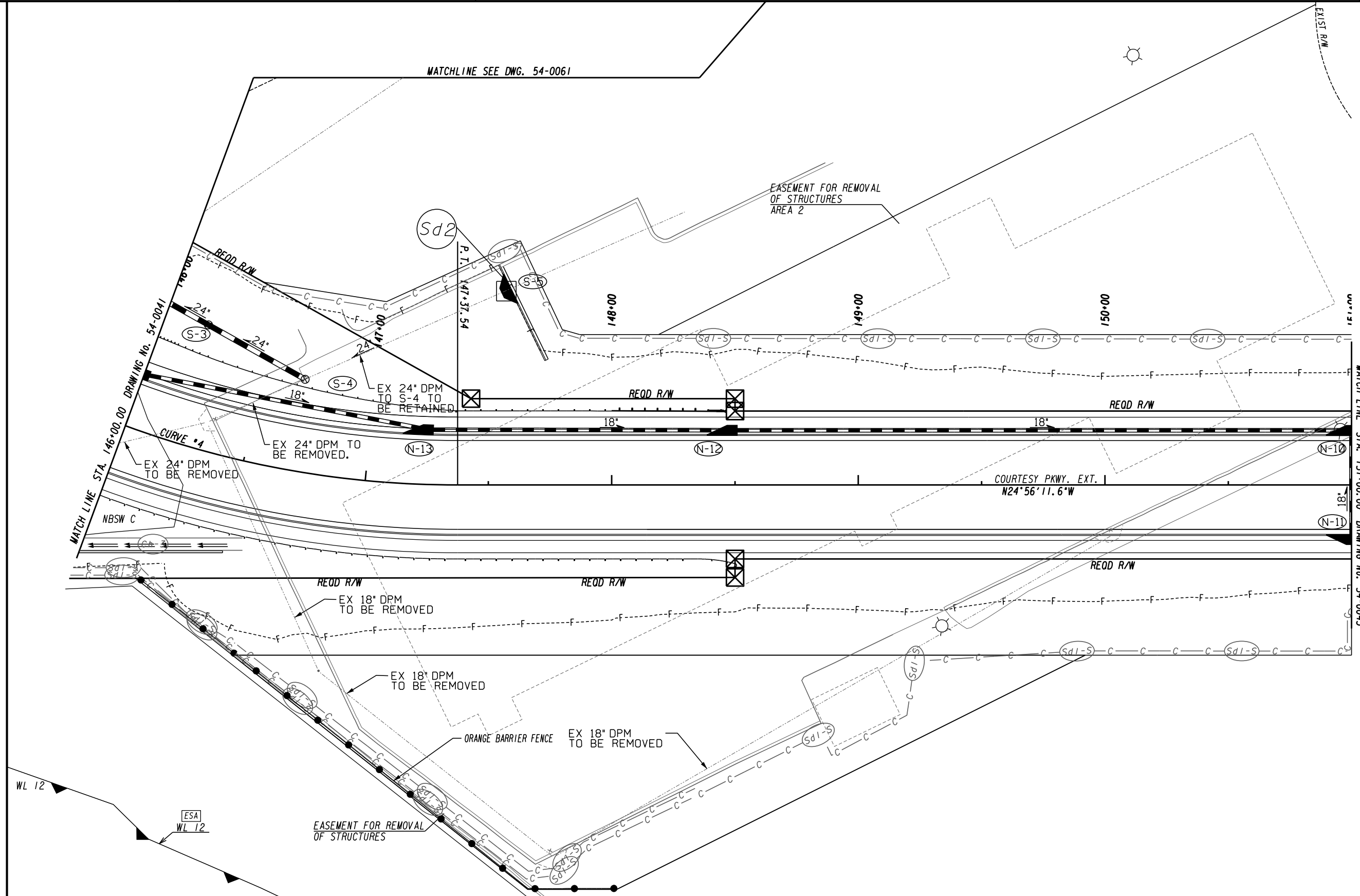
ATLAS
 2450 Commerce Avenue
 Suite 100
 Duluth, Georgia 30096
 770.263.5945



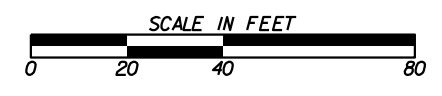
REVISION DATES	

BMP LOCATION DETAILS
 COURTESY PARKWAY EXTENSION
 INTERMEDIATE PHASE

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0041
CORRECTED:	DATE:	
VERIFIED:	DATE:	



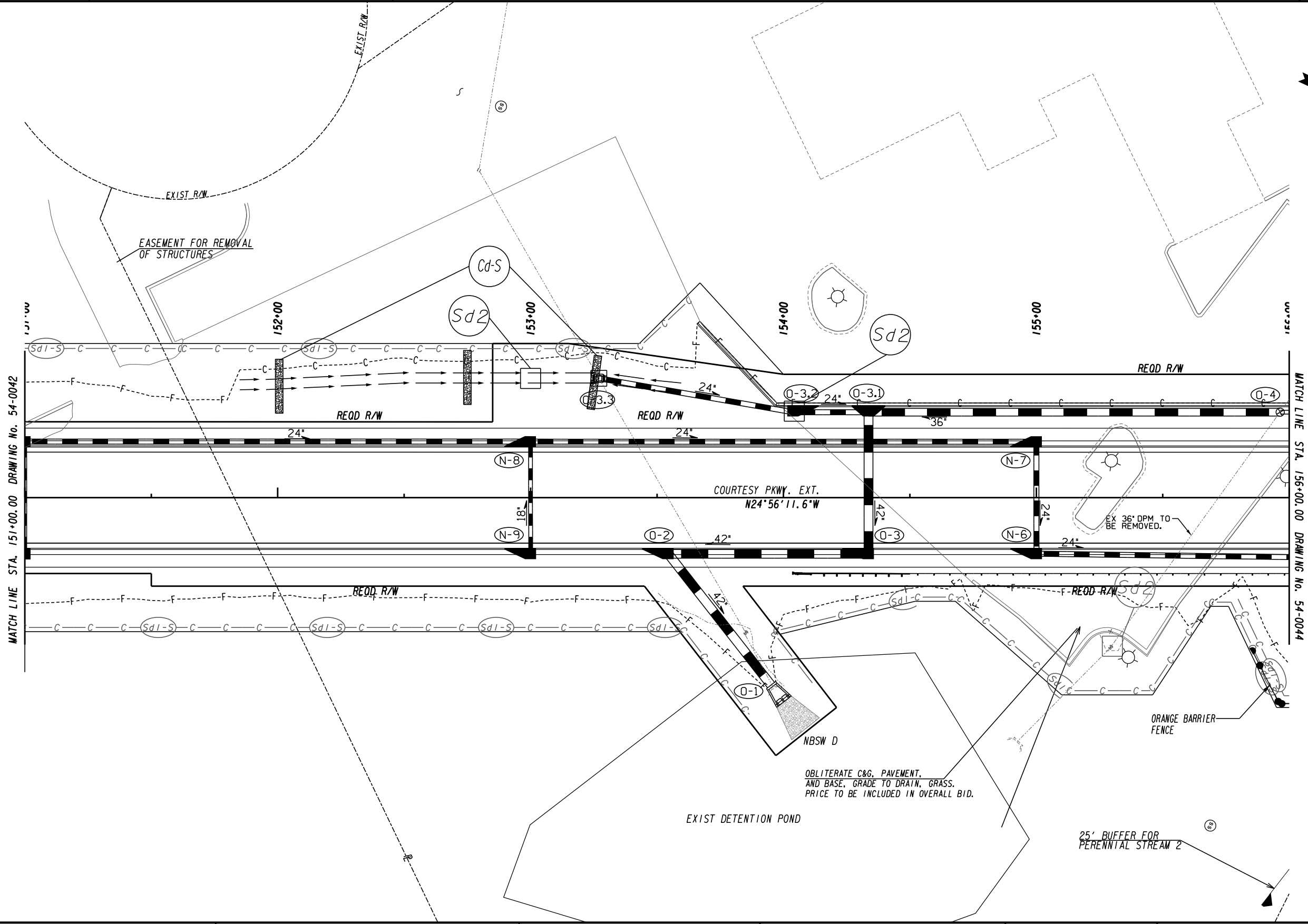
ATLAS
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 Suite 100
 Duluth, Georgia 30096
 770.263.5945



REVISION DATES	

BMP LOCATION DETAILS
 COURTESY PARKWAY EXTENSION
 INTERMEDIATE PHASE

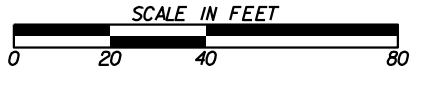
CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0042
CORRECTED:	DATE:	
VERIFIED:	DATE:	



MATCH LINE STA. 151+00.00 DRAWING No. 54-0042

MATCH LINE STA. 156+00.00 DRAWING No. 54-0044

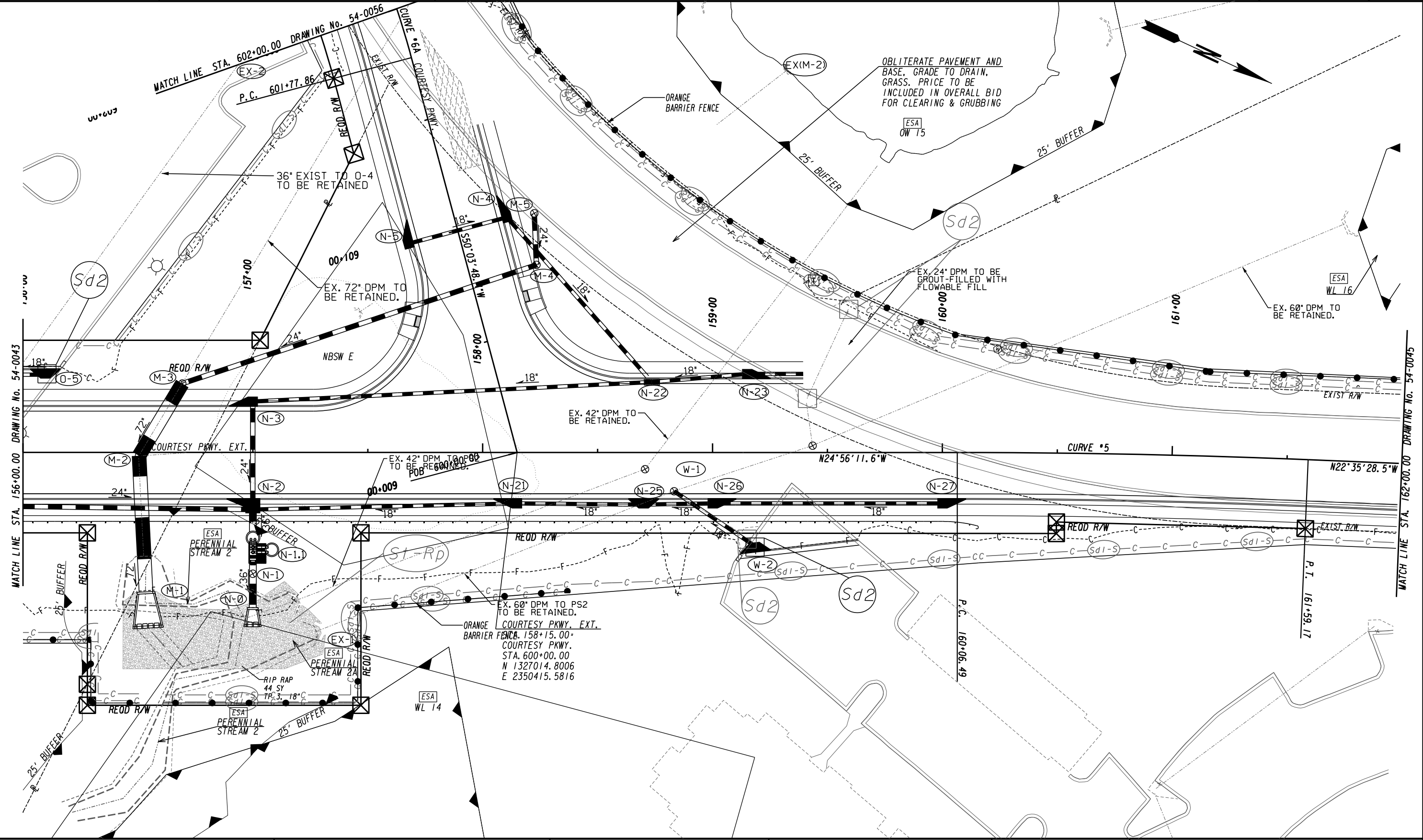
ATLAS
 2450 Commerce Avenue
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 Duluth, Georgia 30096
 770.263.5945



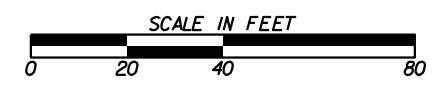
REVISION DATES	

BMP LOCATION DETAILS
 COURTESY PARKWAY EXTENSION
 INTERMEDIATE PHASE

CHECKED:	DATE:	DRAWING No. 54-0043
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



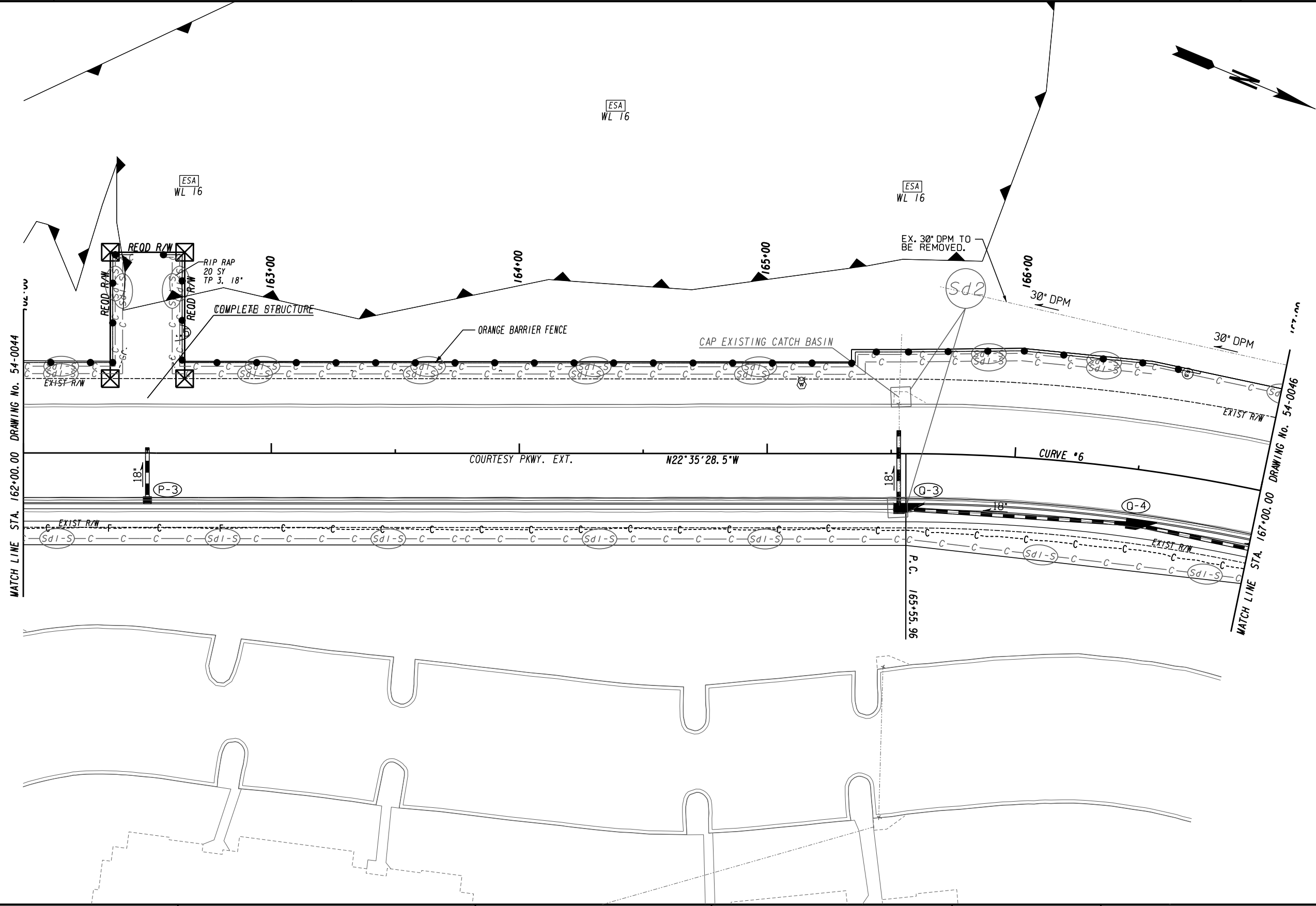
ATLAS
 2450 Commerce Avenue
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 770.263.5945



REVISION DATES	

BMP LOCATION DETAILS
 COURTESY PARKWAY EXTENSION
 INTERMEDIATE PHASE

CHECKED:	DATE:	DRAWING No. 54-0044
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



MATCH LINE STA. 162+00.00 DRAWING No. 54-0044

MATCH LINE STA. 167+00.00 DRAWING No. 54-0046

COURTESY PKWY. EXT. N22°35'28.5"W

CURVE *6

P.C. 165+55.96

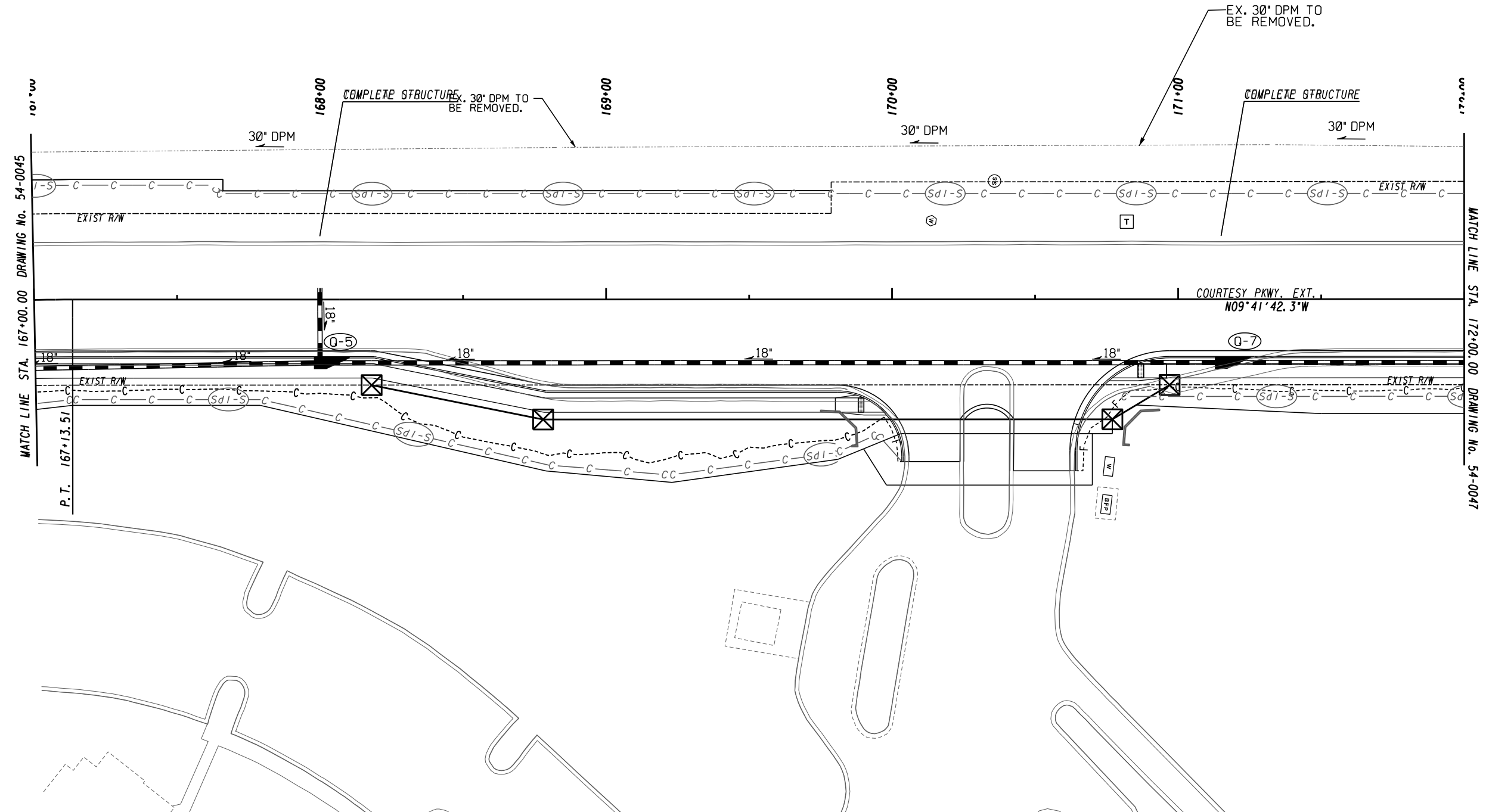
ATLAS
 2450 Commerce Avenue
 Suite 100
 Duluth, Georgia 30096
 770.263.5945



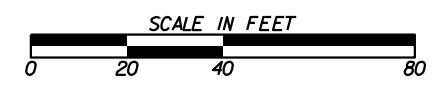
REVISION DATES	

BMP LOCATION DETAILS
 COURTESY PARKWAY EXTENSION
 INTERMEDIATE PHASE

CHECKED:	DATE:	DRAWING No. 54-0045
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



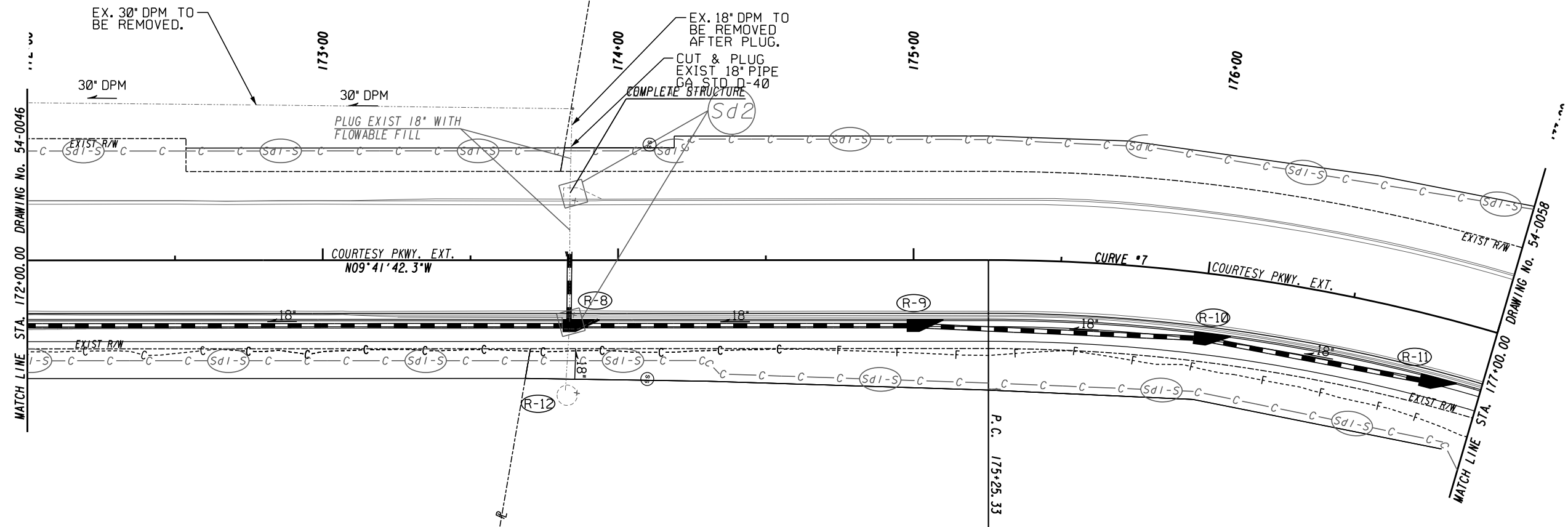
ATLAS
 2450 Commerce Avenue
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 770.263.5945



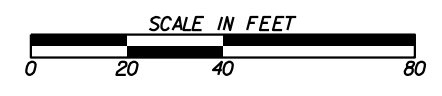
REVISION DATES	

BMP LOCATION DETAILS
 COURTESY PARKWAY EXTENSION
 INTERMEDIATE PHASE

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0046
CORRECTED:	DATE:	
VERIFIED:	DATE:	



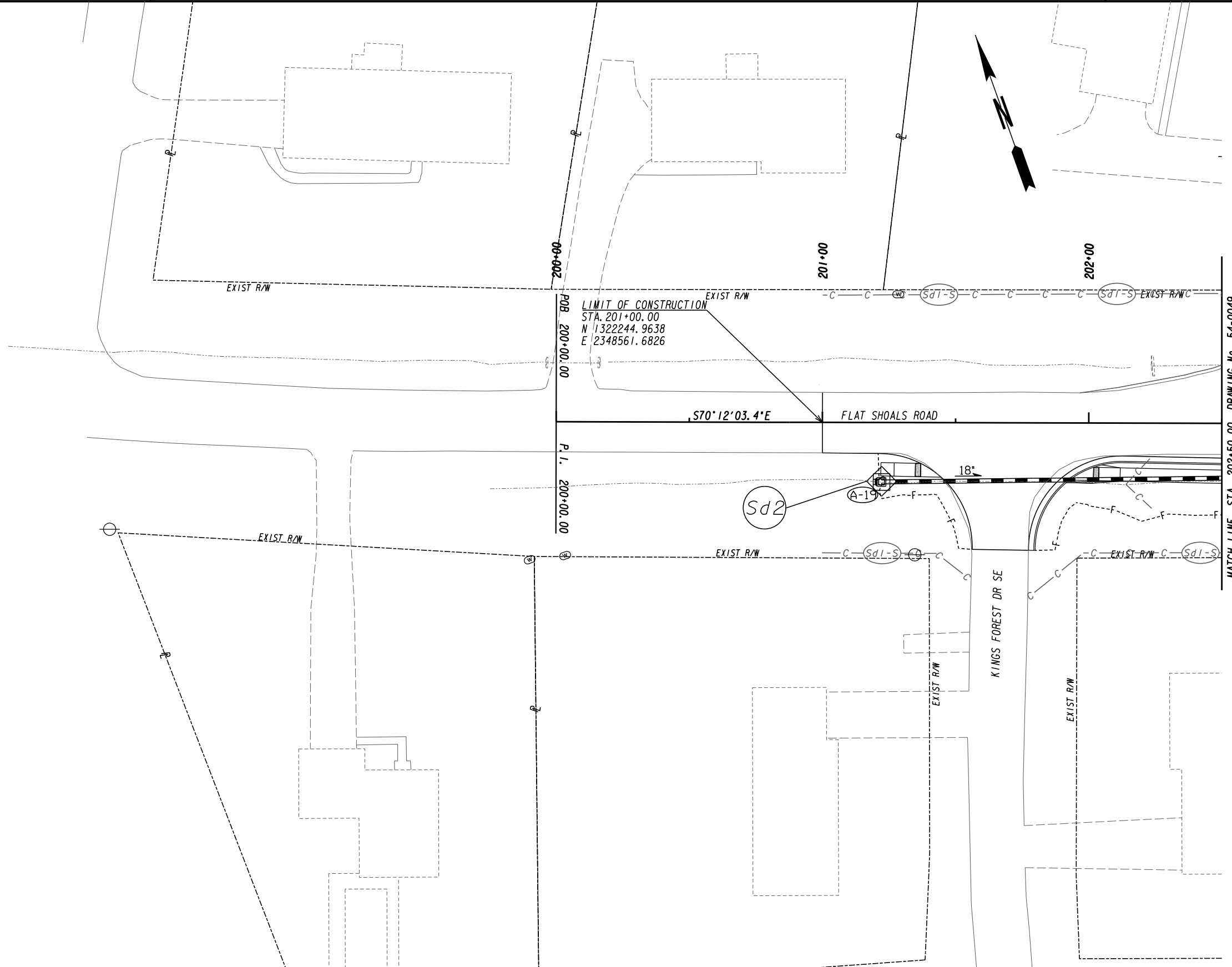
ATLAS
 2450 Commerce Avenue
 Suite 100
 Duluth, Georgia 30096
 770.263.5945



REVISION DATES	

BMP LOCATION DETAILS
 COURTESY PARKWAY EXTENSION
 INTERMEDIATE PHASE

CHECKED:	DATE:	DRAWING No. 54-0047
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



LIMIT OF CONSTRUCTION
 STA. 201+00.00
 N 1322244.9638
 E 2348561.6826

S70°12'03.4"E FLAT SHOALS ROAD

MATCH LINE STA. 202+50.00 DRAWING No. 54-0049

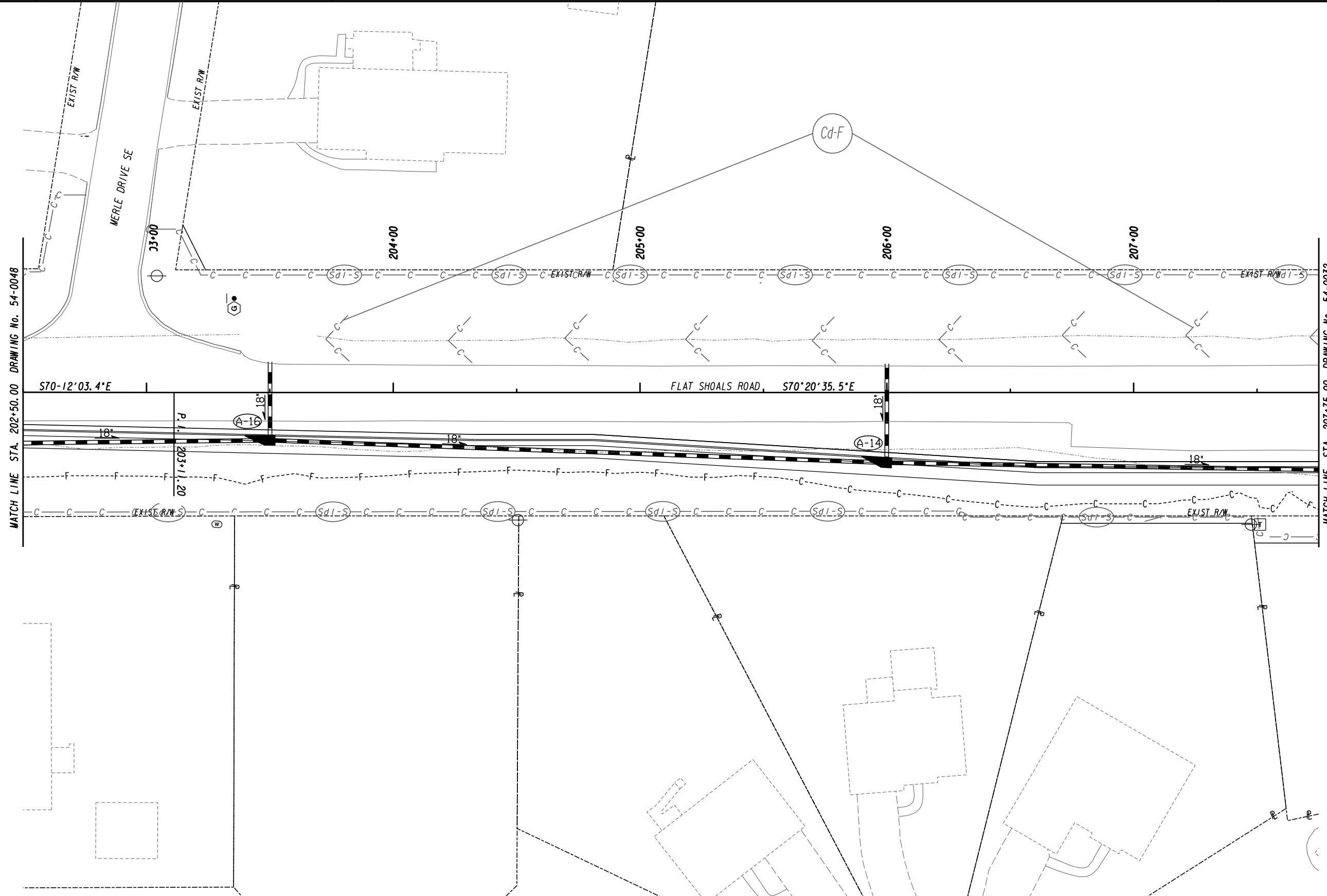
ATLAS
 2450 Commerce Avenue
 Suite 100
 Duluth, Georgia 30096
 770.263.5945



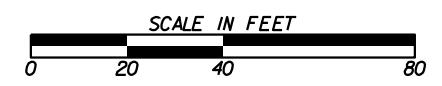
REVISION DATES	

BMP LOCATION DETAILS
 FLAT SHOALS ROAD
 INTERMEDIATE PHASE

CHECKED:	DATE:	DRAWING No. 54-0048
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

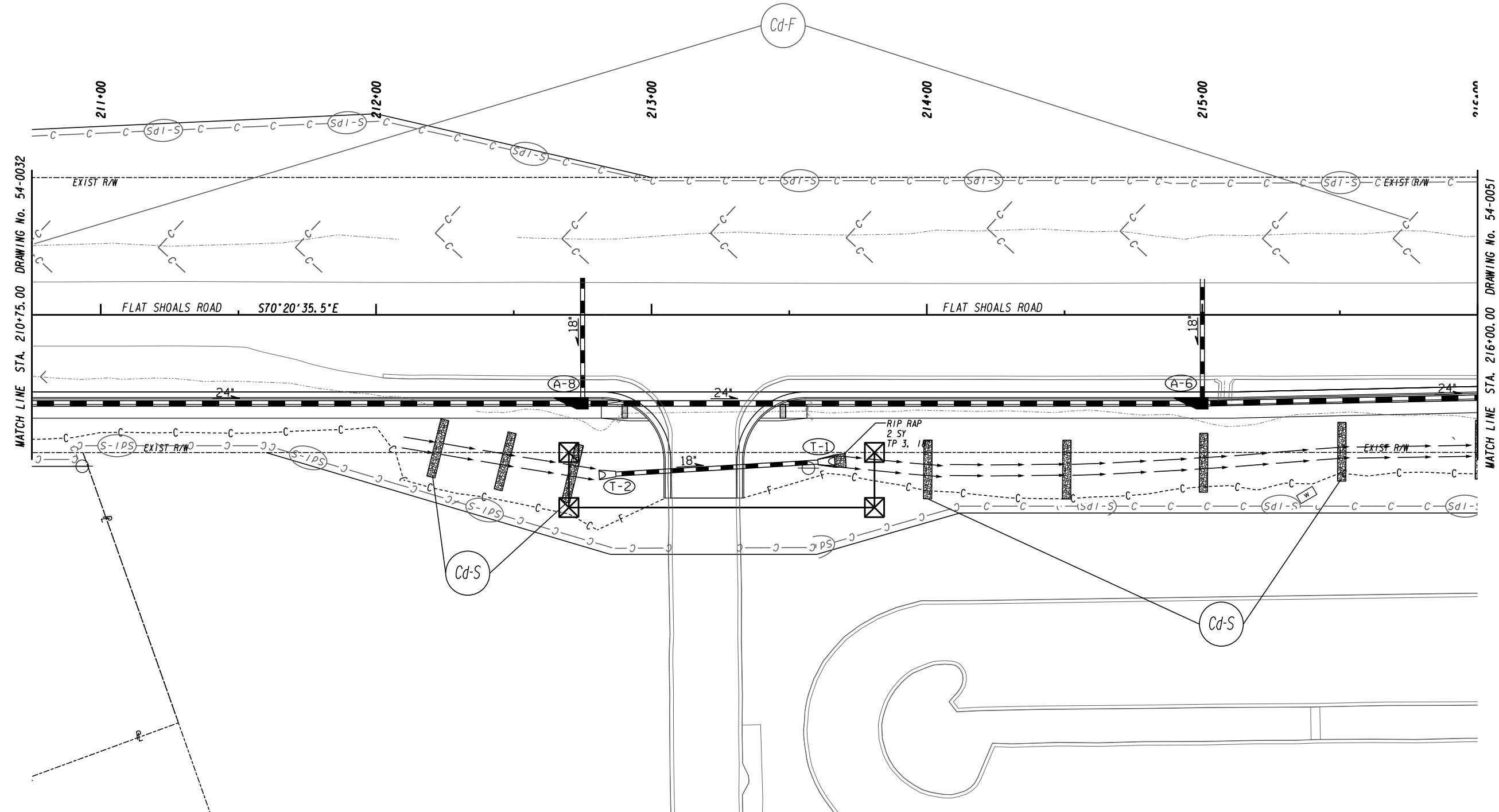


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 Suite 100
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 770.263.5945

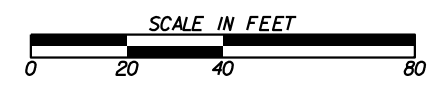


REVISION DATES	

BMP LOCATION DETAILS			
FLAT SHOALS ROAD			
INTERMEDIATE PHASE			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			54-0049



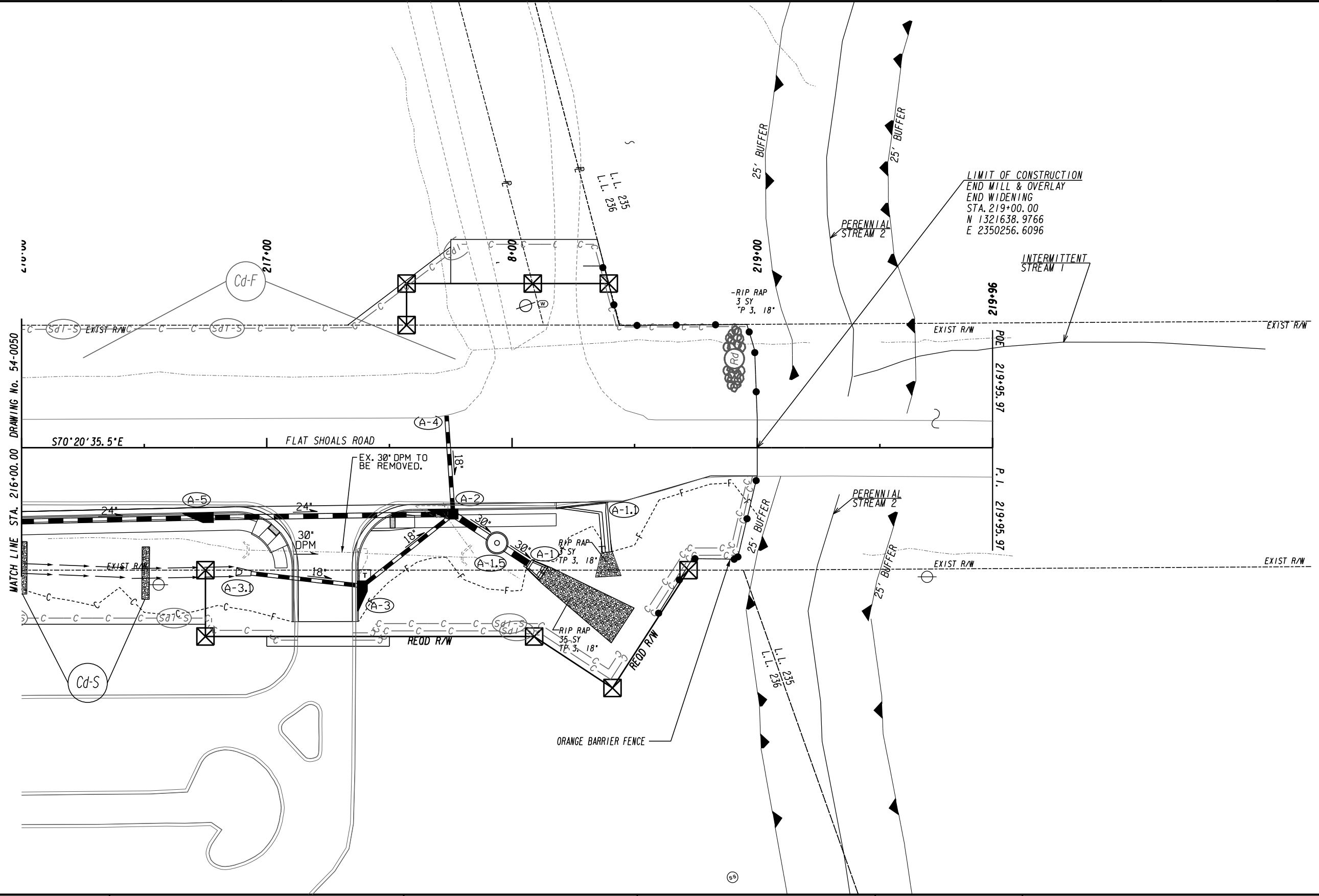
ATLAS
 2450 Commerce Avenue
 Suite 100
 Duluth, Georgia 30096
 770.263.5945



REVISION DATES	

BMP LOCATION DETAILS
 FLAT SHOALS ROAD
 INTERMEDIATE PHASE

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0050
CORRECTED:	DATE:	
VERIFIED:	DATE:	



LIMIT OF CONSTRUCTION
 END MILL & OVERLAY
 END WIDENING
 STA. 219+00.00
 N 1321638.9766
 E 2350256.6096

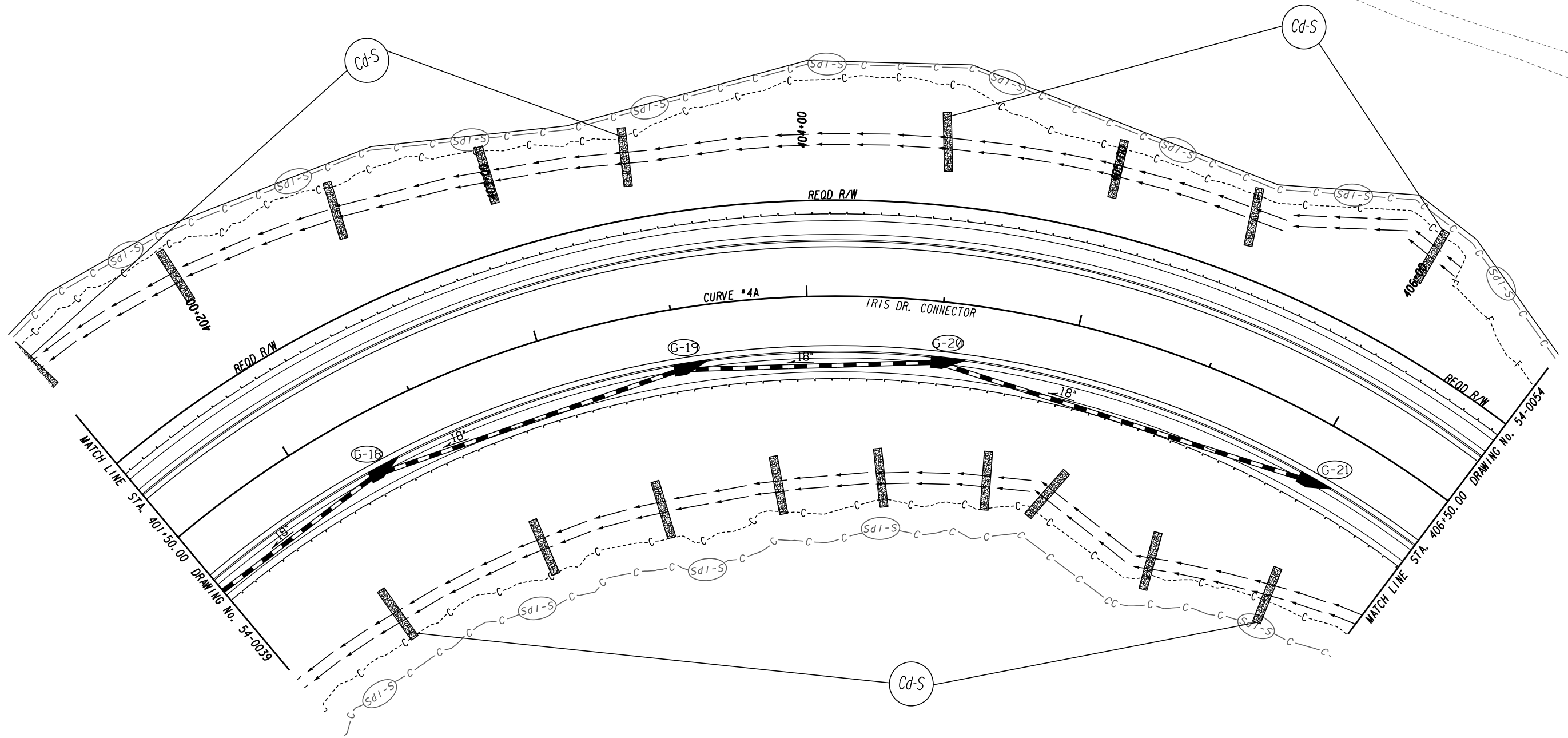
MATCH LINE STA. 216+00.00 DRAWING No. 54-0050

ATLAS
 2450 Commerce Avenue
 Suite 100
 Duluth, Georgia 30096
 770.263.5945

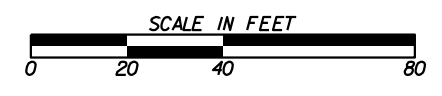


REVISION DATES	

BMP LOCATION DETAILS			
FLAT SHOALS ROAD			
INTERMEDIATE PHASE			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			54-0051



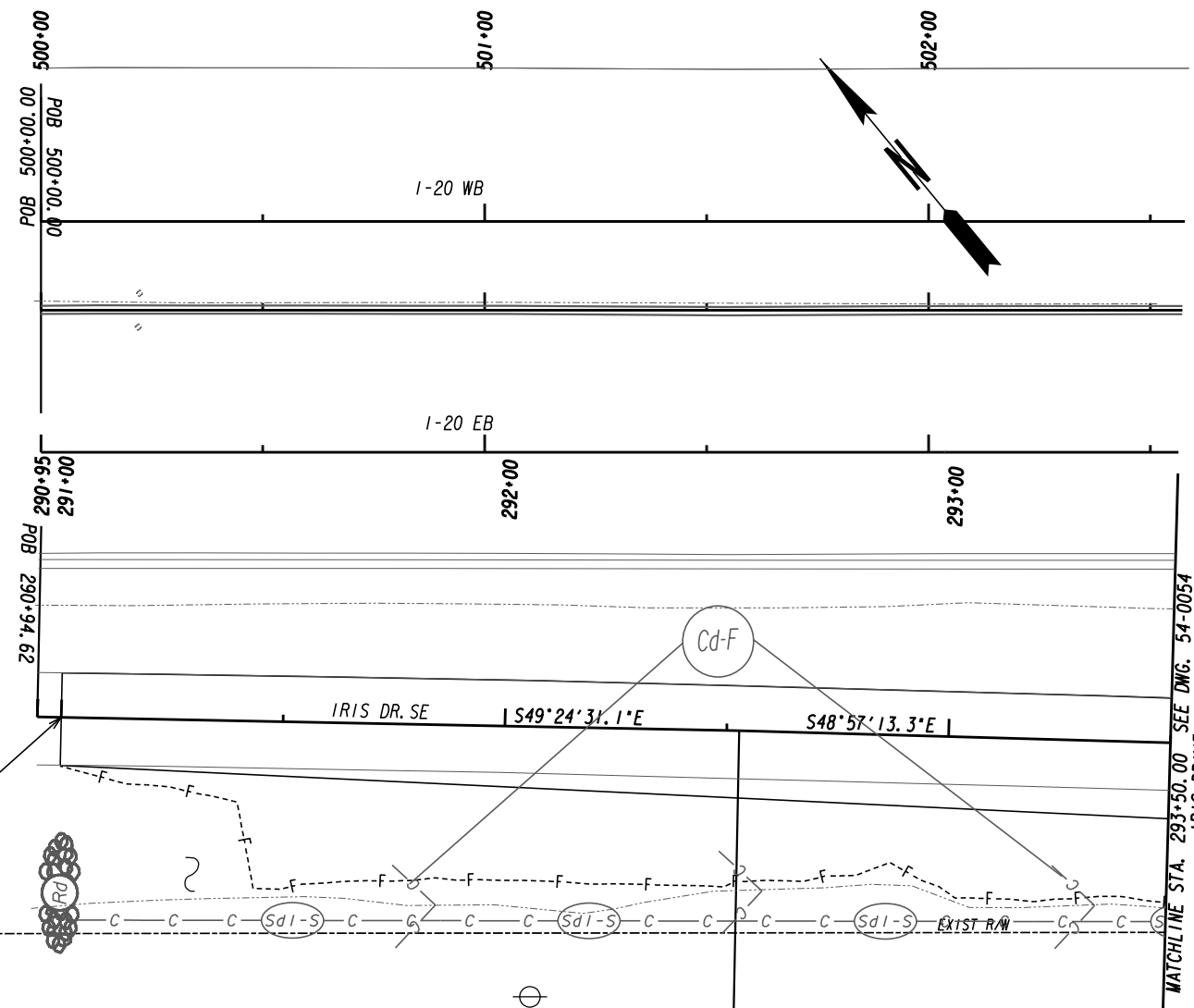
ATLAS
 2450 Commerce Avenue
 Suite 100
 Duluth, Georgia 30096
 770.263.5945



REVISION DATES	

BMP LOCATION DETAILS
 IRIS DRIVE CONNECTOR
 INTERMEDIATE PHASE

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0052
CORRECTED:	DATE:	
VERIFIED:	DATE:	

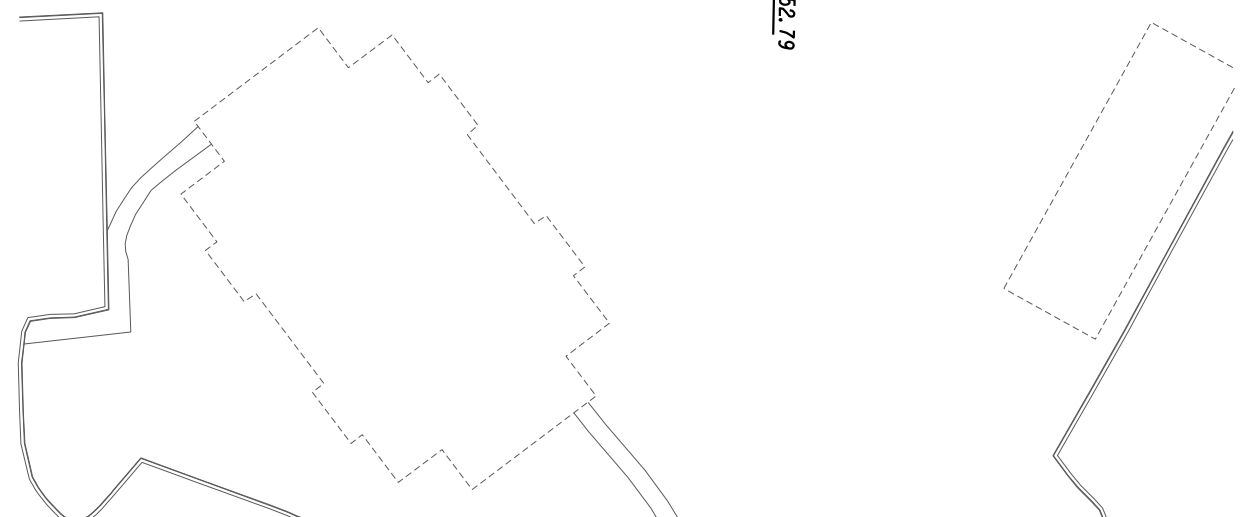


LIMIT OF CONSTRUCTION
 BEGIN MILL & OVERLAY
 STA. 291+00.00
 N 1326184.4555
 E 2349399.0842

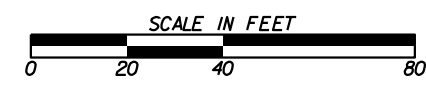
EXIST. R/W

MATCHLINE STA. 293+50.00 SEE DWG. 54-0054
IRIS DRIVE

P.I. 292+52.79



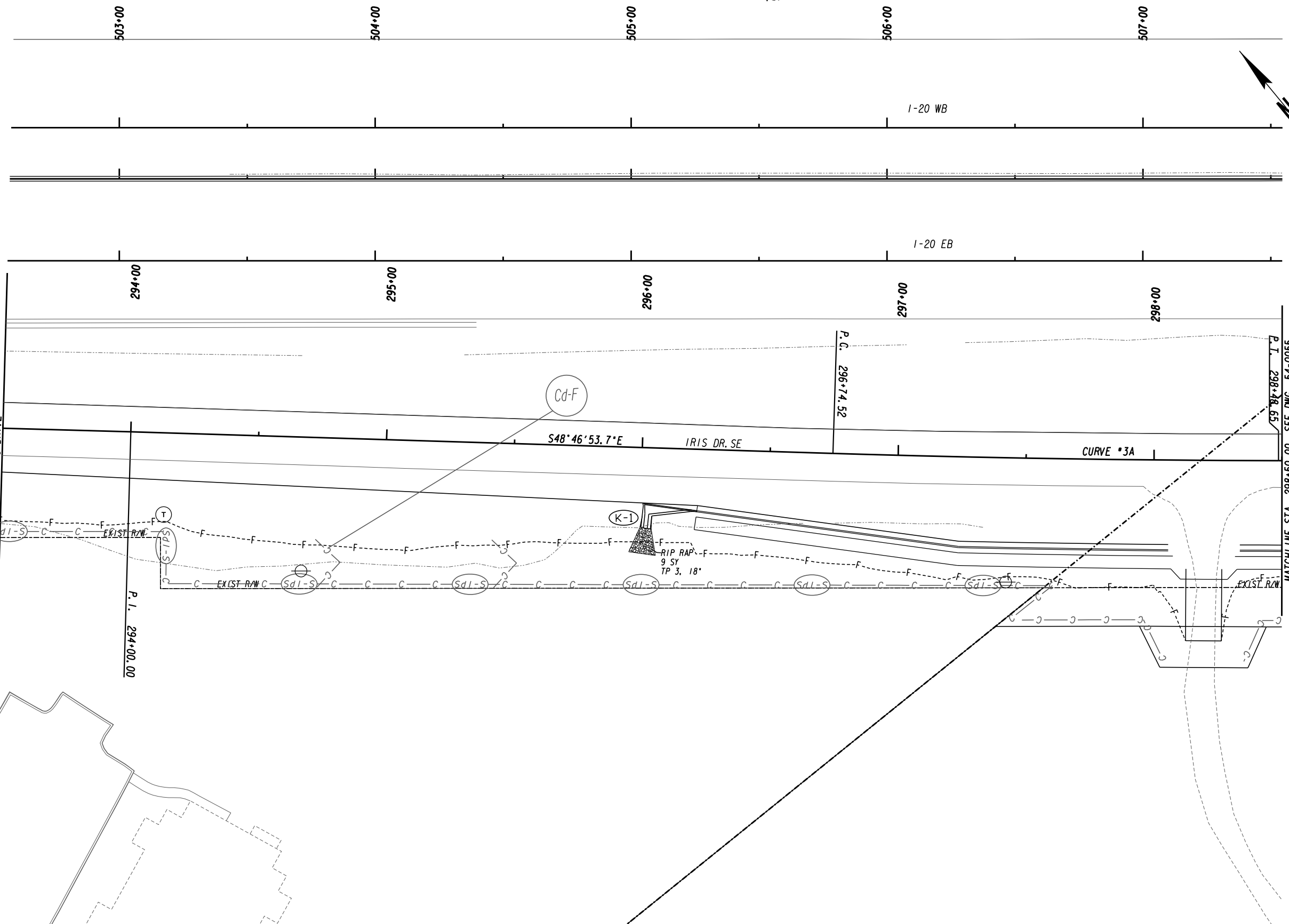
ATLAS
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 Suite 100
 Duluth, Georgia 30096
 770.263.5945



REVISION DATES	

BMP LOCATION DETAILS
 IRIS DRIVE SE
 INTERMEDIATE PHASE

CHECKED:	DATE:	DRAWING No. 54-0053
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



MATCHLINE STA. 293+50.00 SEE DWG. 54-0053
IRIS DRIVE

MATCHLINE STA. 298+50.00 SEE DWG. 54-0055
IRIS DRIVE

P.I. 294+00.00

P.C. 296+74.52

Cd-F

(K-1)

RIP RAP
9 SY
TP 3, 18"

CURVE *3A

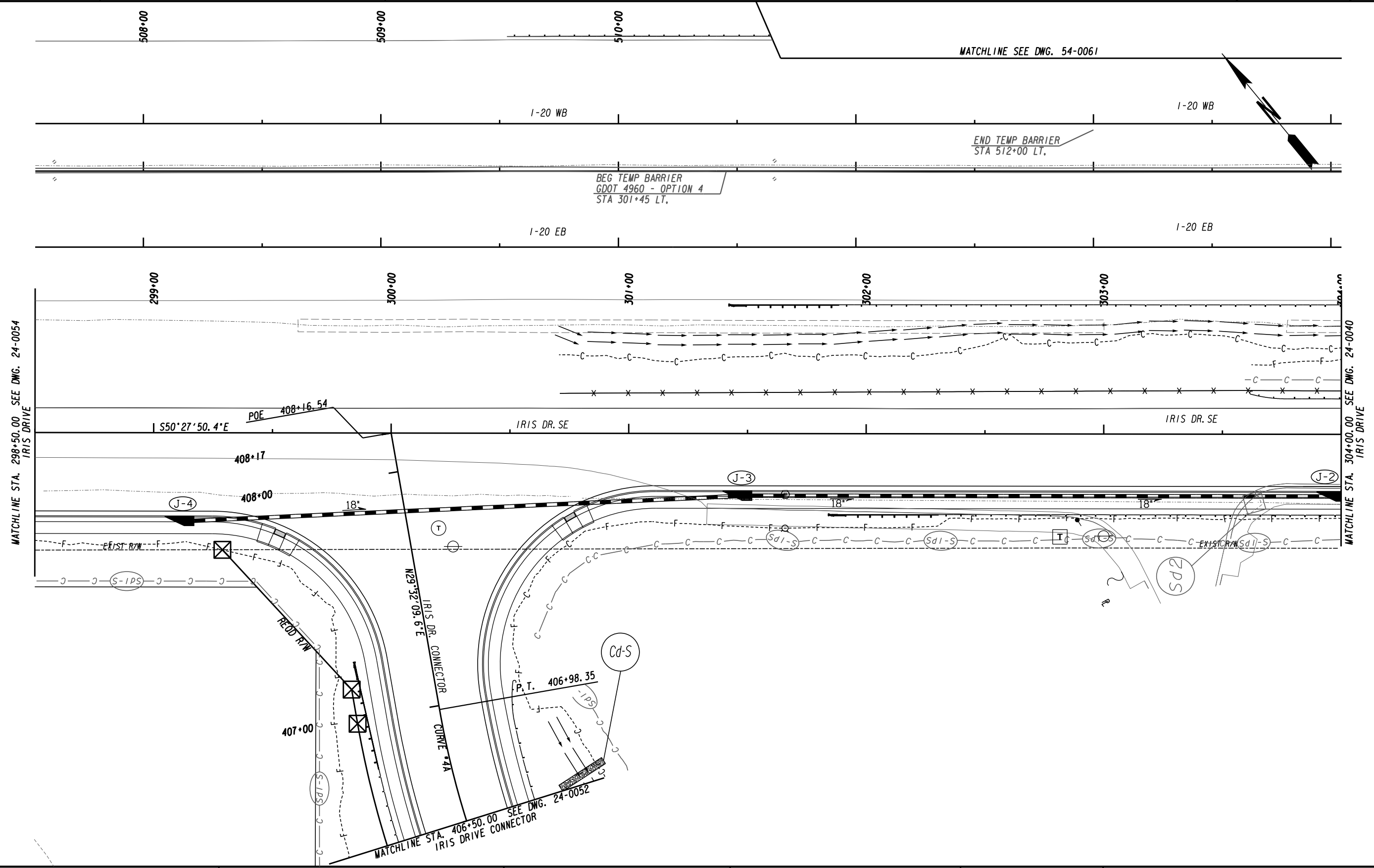
ATLAS
 2450 Commerce Avenue
 Suite 100
 Duluth, Georgia 30096
 770.263.5945



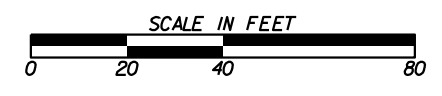
REVISION DATES	

BMP LOCATION DETAILS
 IRIS DRIVE SE
 INTERMEDIATE PHASE

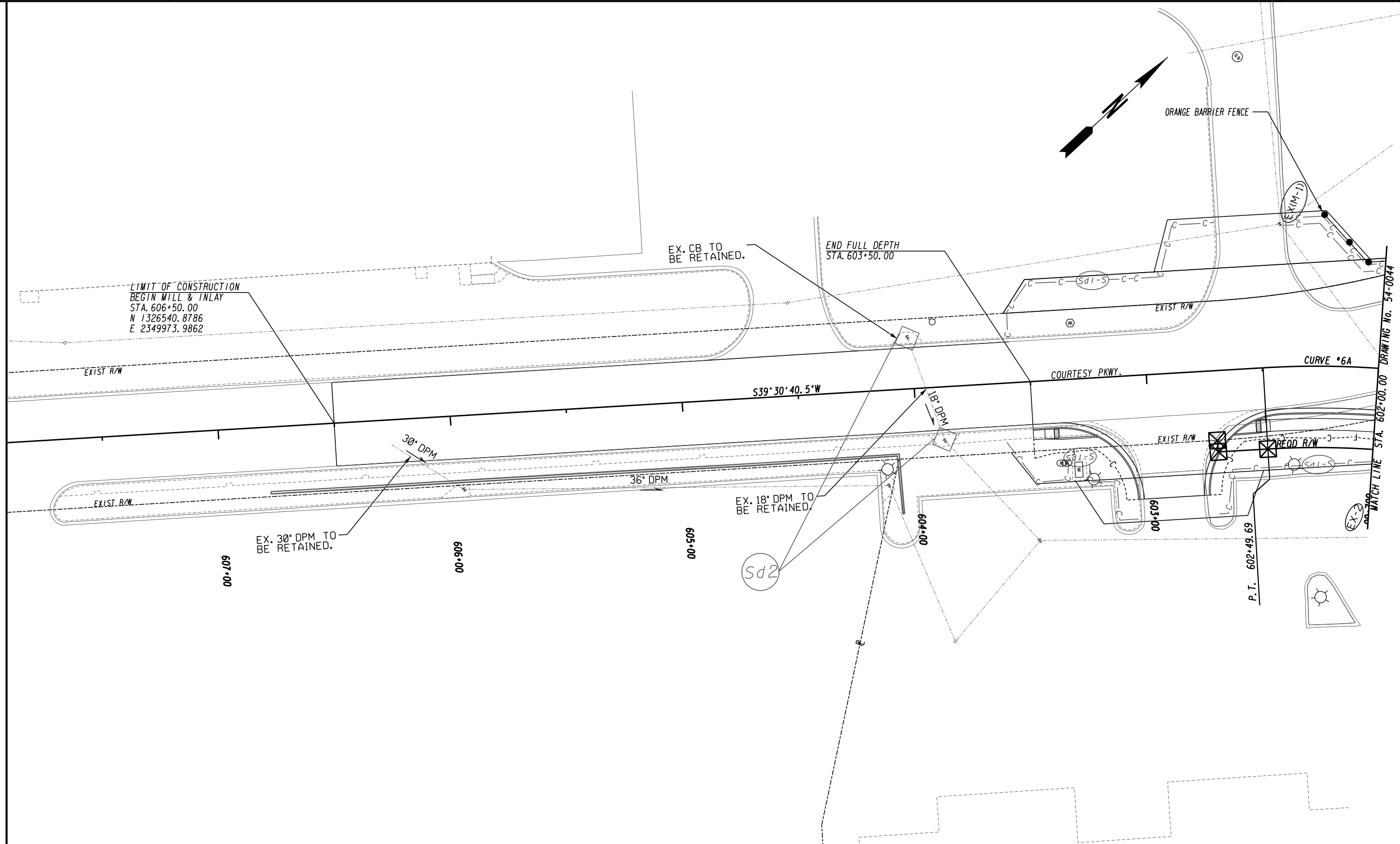
CHECKED:	DATE:	DRAWING No. 54-0054
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



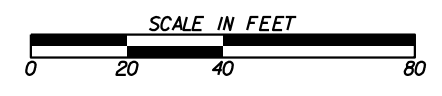
ATLAS
 2450 Commerce Avenue
 Suite 100
 Duluth, Georgia 30096
 770.263.5945



REVISION DATES		BMP LOCATION DETAILS	
		IRIS DRIVE SE	
		INTERMEDIATE PHASE	
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	54-0055	
CORRECTED:	DATE:		
VERIFIED:	DATE:		



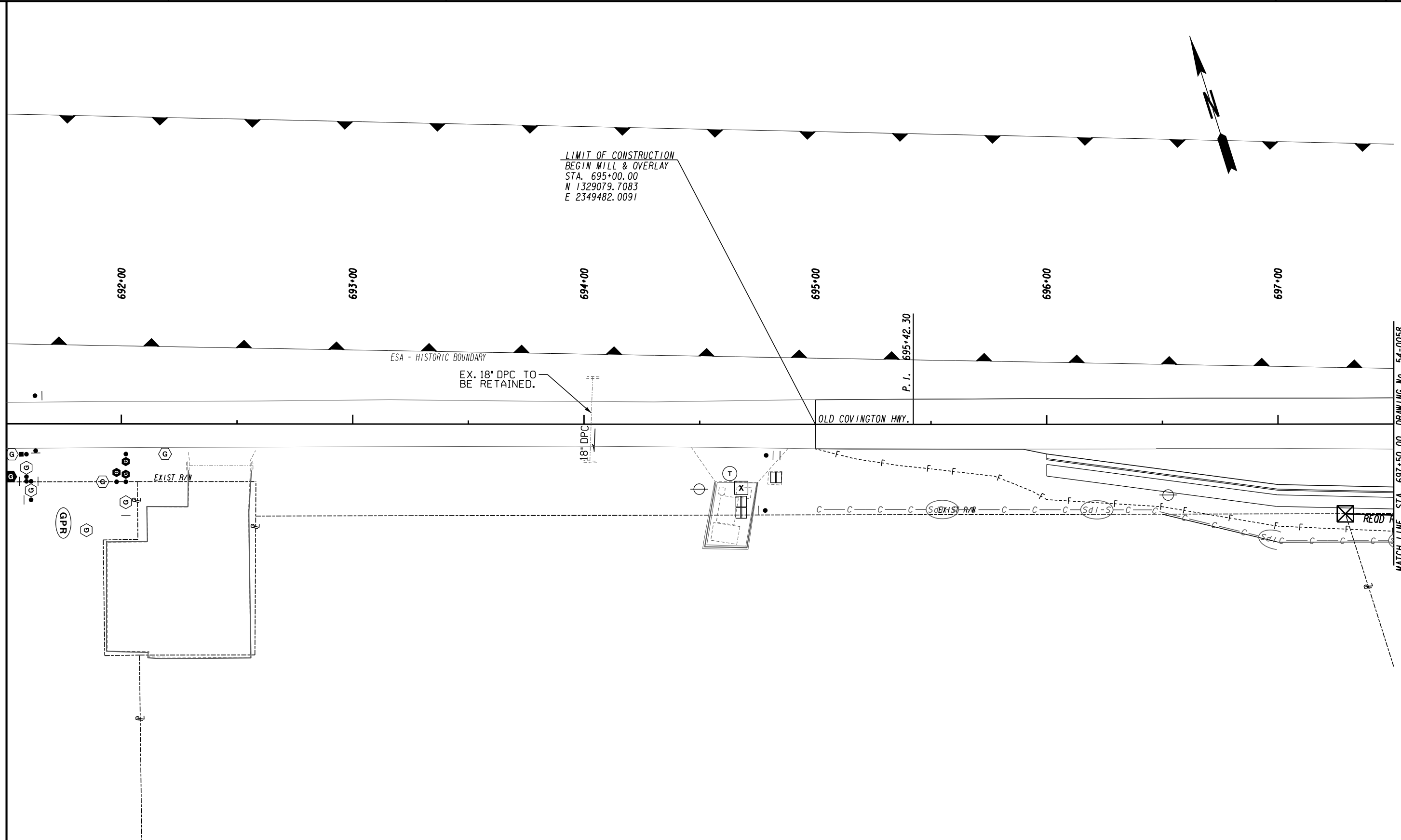
ATLAS
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 Suite 100
 Duluth, Georgia 30096
 770.263.5945



REVISION DATES	

BMP LOCATION DETAILS
 COURTESY PARKWAY
 INTERMEDIATE PHASE

CHECKED:	DATE:	DRAWING No. 54-0056
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



MATCH LINE STA. 697+50.00 DRAWING No. 54-0058



LIMIT OF CONSTRUCTION
BEGIN MILL & OVERLAY
STA. 695+00.00
N 1329079.7083
E 2349482.0091

ESA - HISTORIC BOUNDARY

EX. 18" DPC TO
BE RETAINED.

P. I. 695+42.30

OLD COVINGTON HWY.

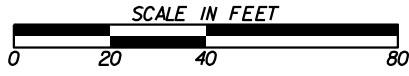
18" DPC

EXIST. R/W

GPR

REOD

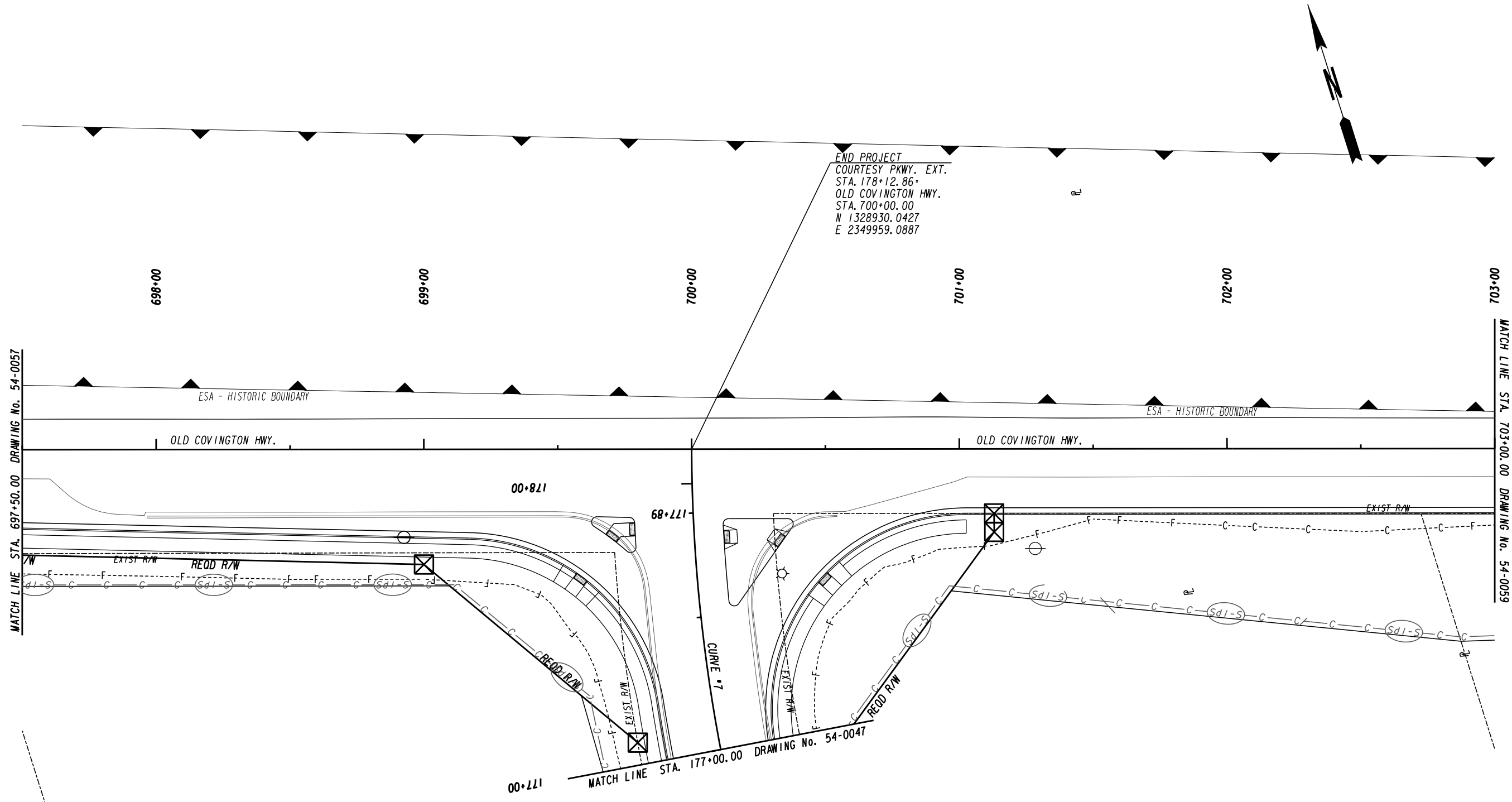
ATLAS
 2450 Commerce Avenue
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 Duluth, Georgia 30096
 770.263.5945



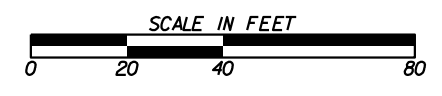
REVISION DATES	

BMP LOCATION DETAILS
 OLD COVINGTON HIGHWAY
 INTERMEDIATE PHASE

CHECKED:	DATE:	DRAWING No. 54-0057
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



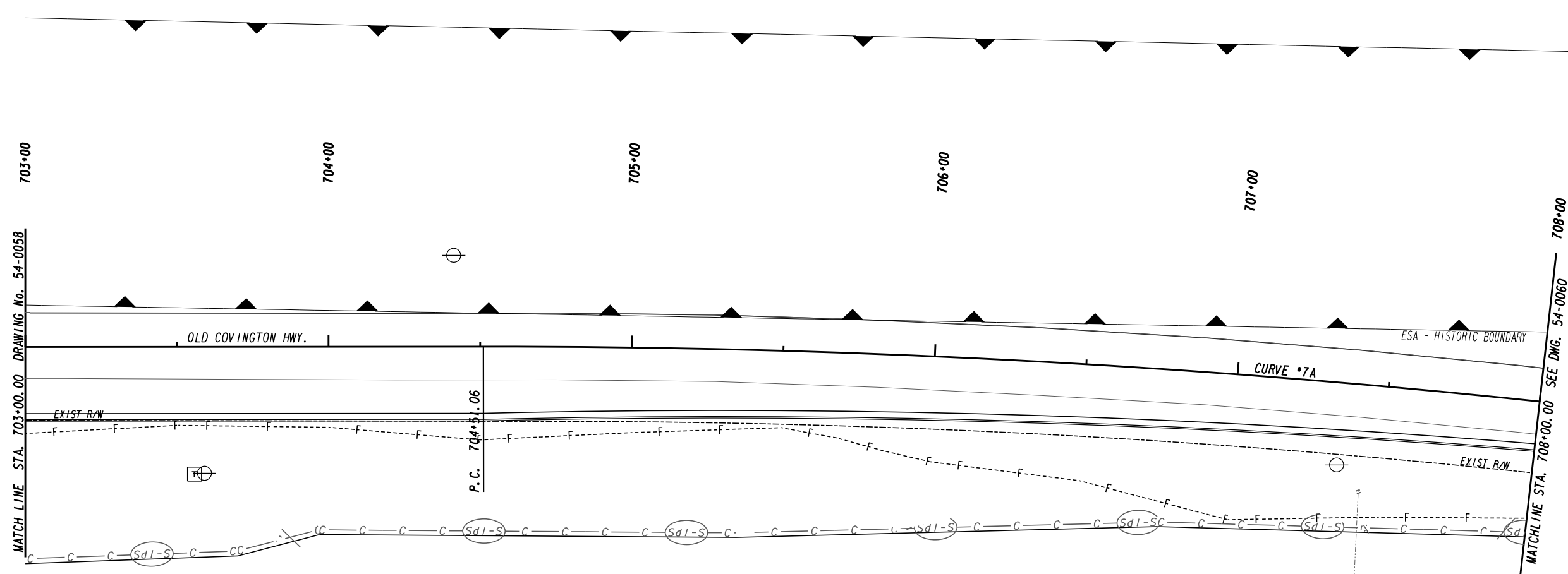
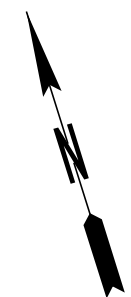
ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945



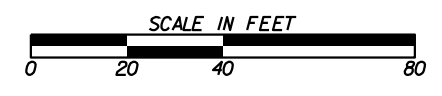
REVISION DATES	

BMP LOCATION DETAILS
OLD COVINGTON HIGHWAY
INTERMEDIATE PHASE

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0058
CORRECTED:	DATE:	
VERIFIED:	DATE:	

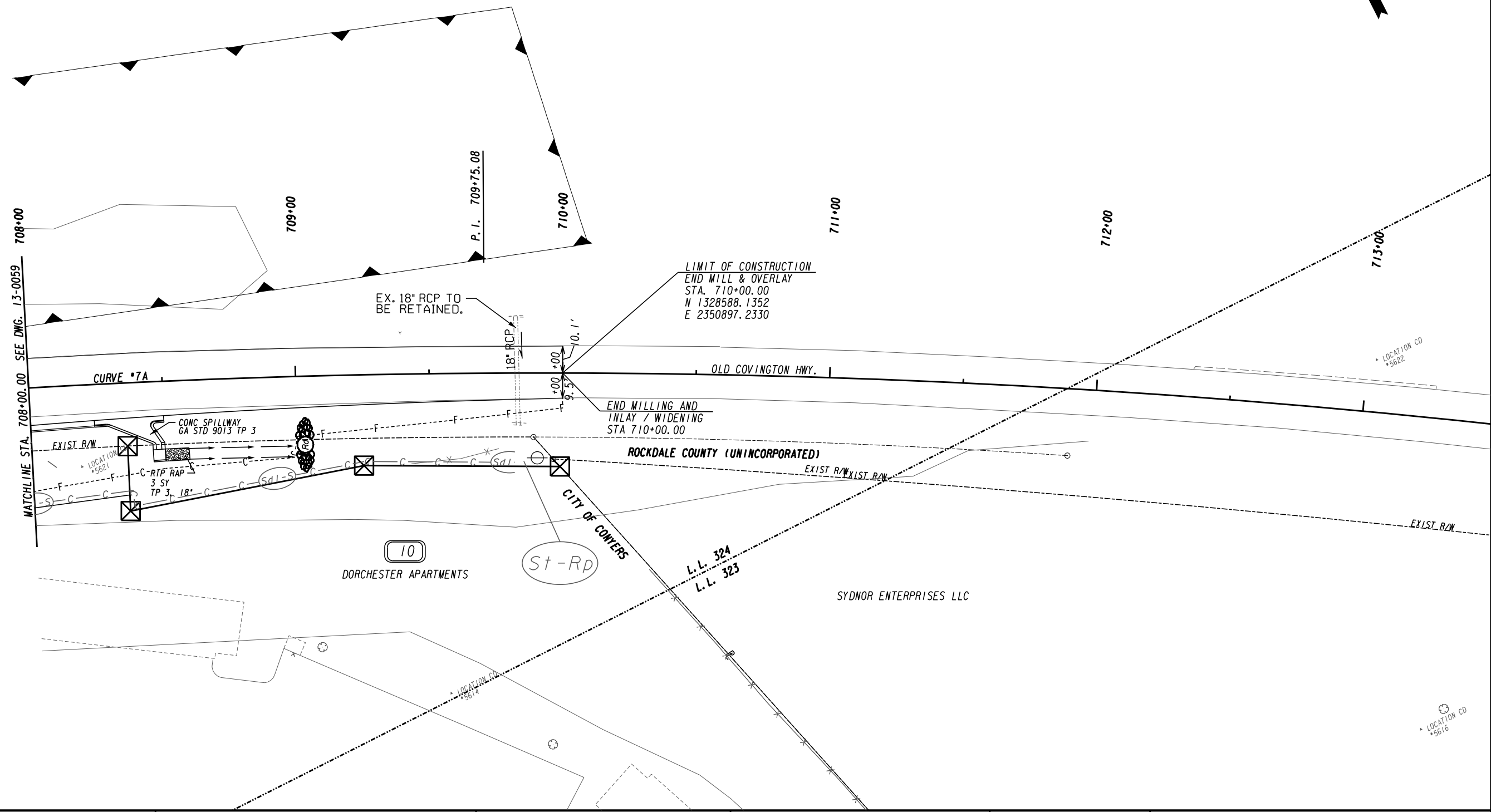
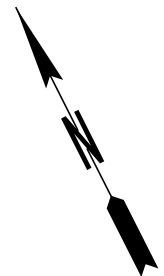


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 770.263.5945

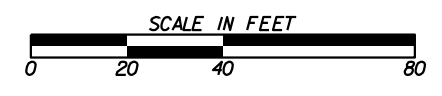


REVISION DATES	

BMP LOCATION DETAILS			
OLD COVINGTON HIGHWAY			
INTERMEDIATE PHASE			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			54-0059



ATLAS
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 770.263.5945



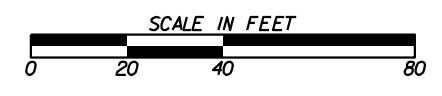
REVISION DATES	

BMP LOCATION DETAILS
 OLD COVINGTON HIGHWAY
 INTERMEDIATE PHASE

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0060
CORRECTED:	DATE:	
VERIFIED:	DATE:	



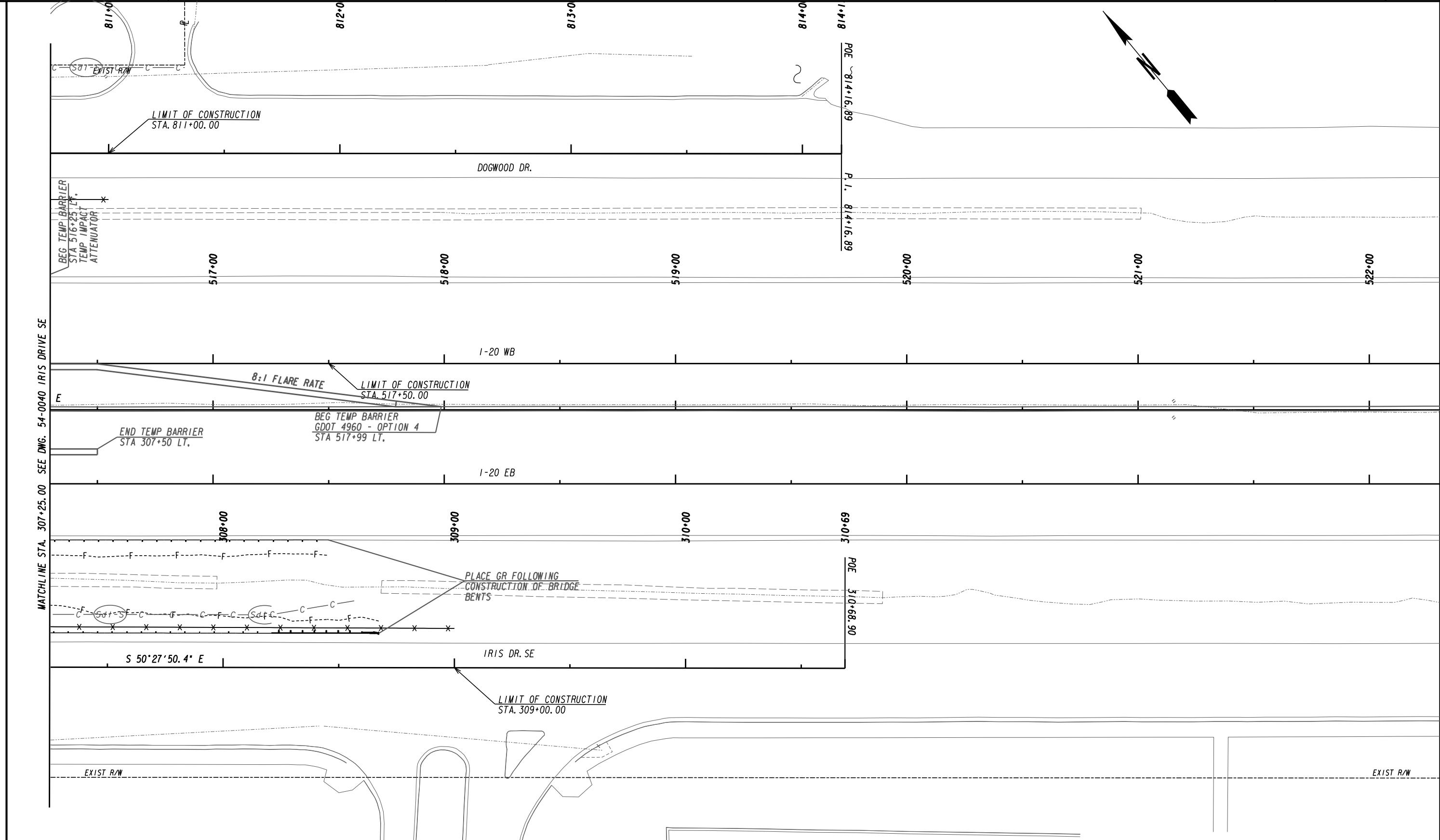
ATLAS
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 770.263.5945



REVISION DATES	

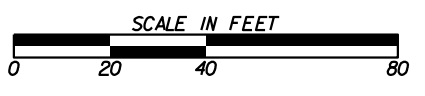
BMP LOCATION DETAILS
 DOGWOOD DRIVE
 INTERMEDIATE PHASE

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0061
CORRECTED:	DATE:	
VERIFIED:	DATE:	



MATCHLINE STA. 307+25.00 SEE DWG. 54-0040 IRIS DRIVE SE

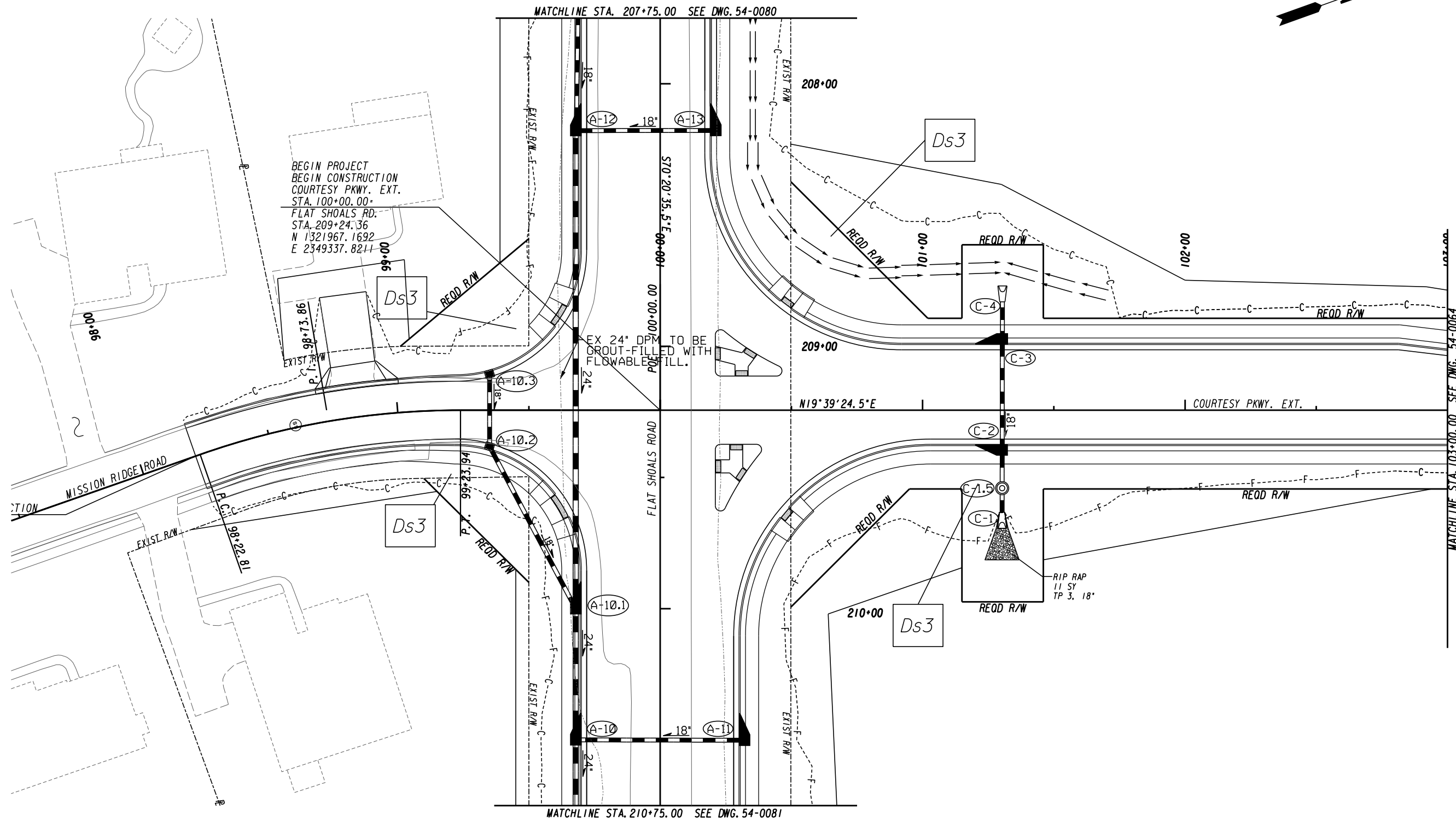
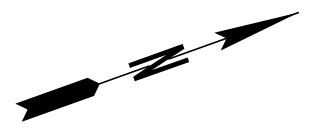
ATLAS
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 770.263.5945



REVISION DATES	

BMP LOCATION DETAILS
 IRIS DRIVE SE
 INTERMEDIATE PHASE

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0062
CORRECTED:	DATE:	
VERIFIED:	DATE:	



BEGIN PROJECT
 BEGIN CONSTRUCTION
 COURTESY PKWY. EXT.
 STA. 100+00.00+
 FLAT SHOALS RD:
 STA. 209+24.36
 N 1321967.1692
 E 2349337.8211

EX 24" DP TO BE
 BROUT-FILLED WITH
 FLOWABLE FILL.

RIP RAP
 11 SY
 TP 3, 18"

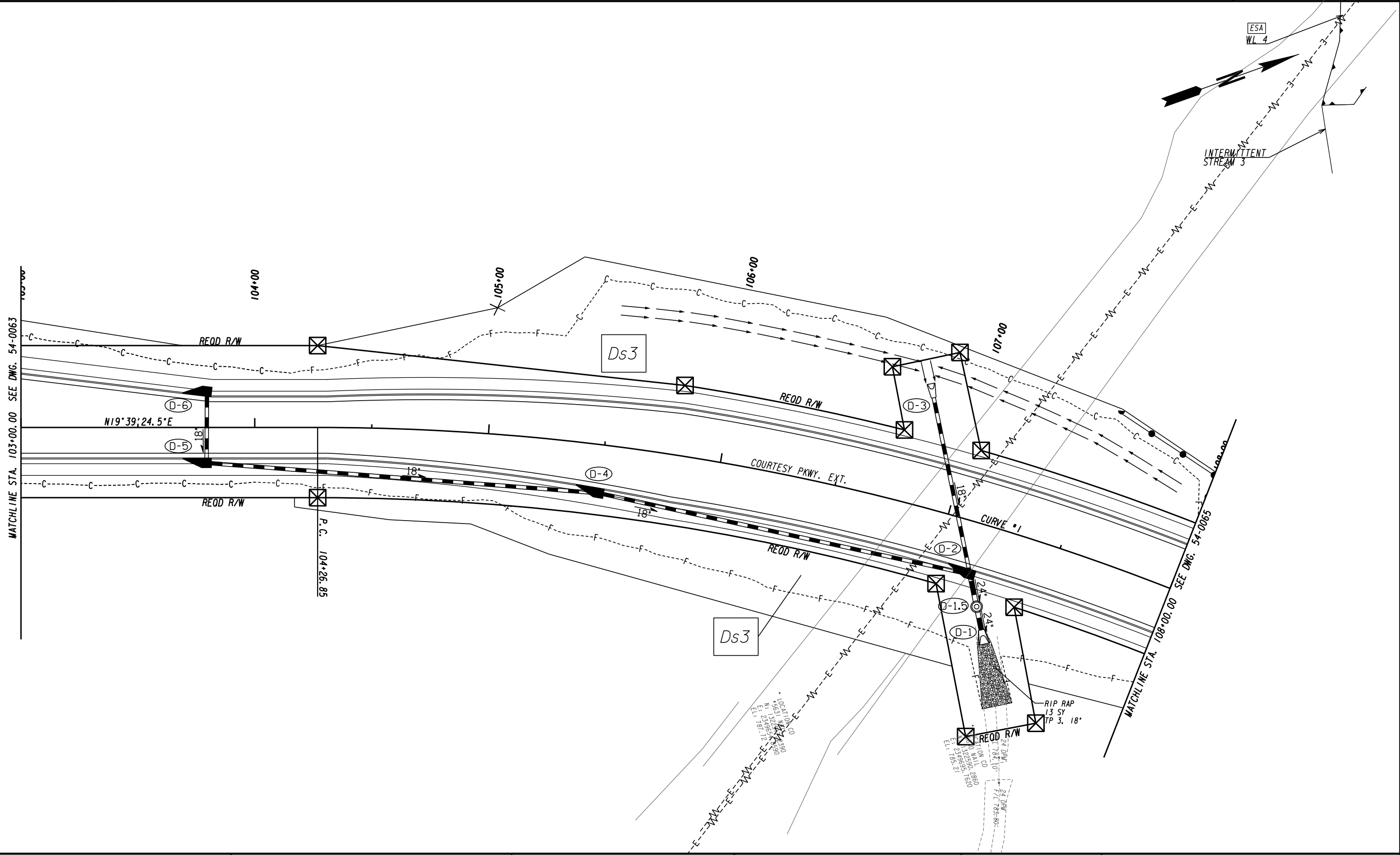
ATLAS
 2450 Commerce Avenue
 Suite 100
 Duluth, Georgia 30096
 770.263.5945



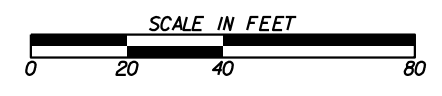
REVISION DATES	

BMP LOCATION DETAILS
 COURTESY PARKWAY EXTENSION
 FINAL PHASE

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0063
CORRECTED:	DATE:	
VERIFIED:	DATE:	

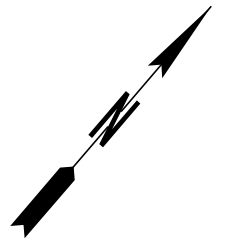
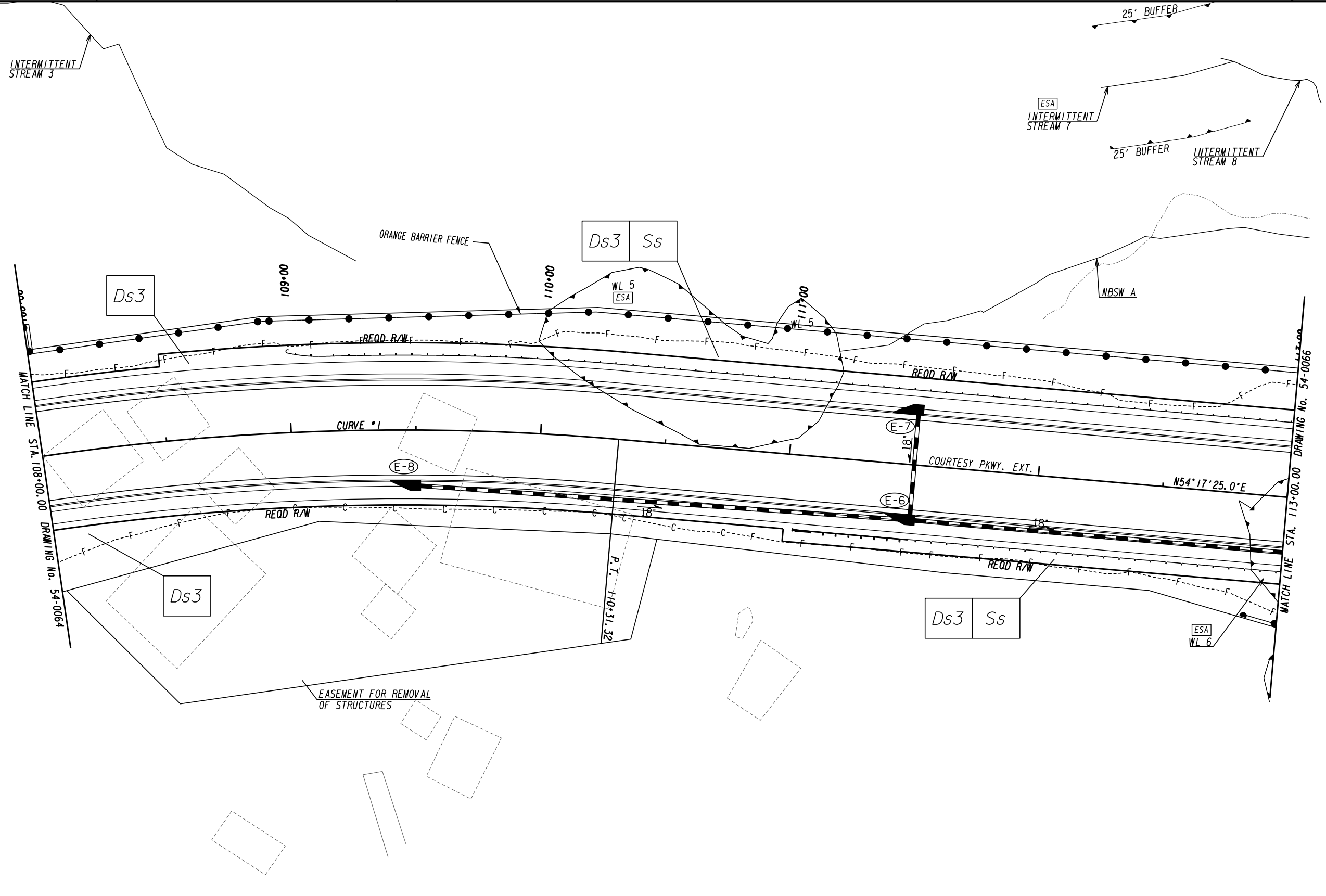


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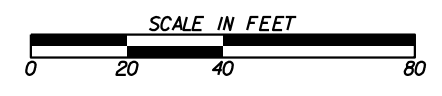


REVISION DATES	

BMP LOCATION DETAILS			
COURTESY PARKWAY EXTENSION			
FINAL PHASE			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			54-0064



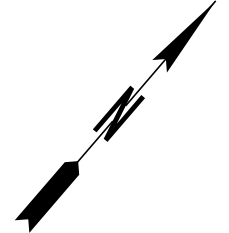
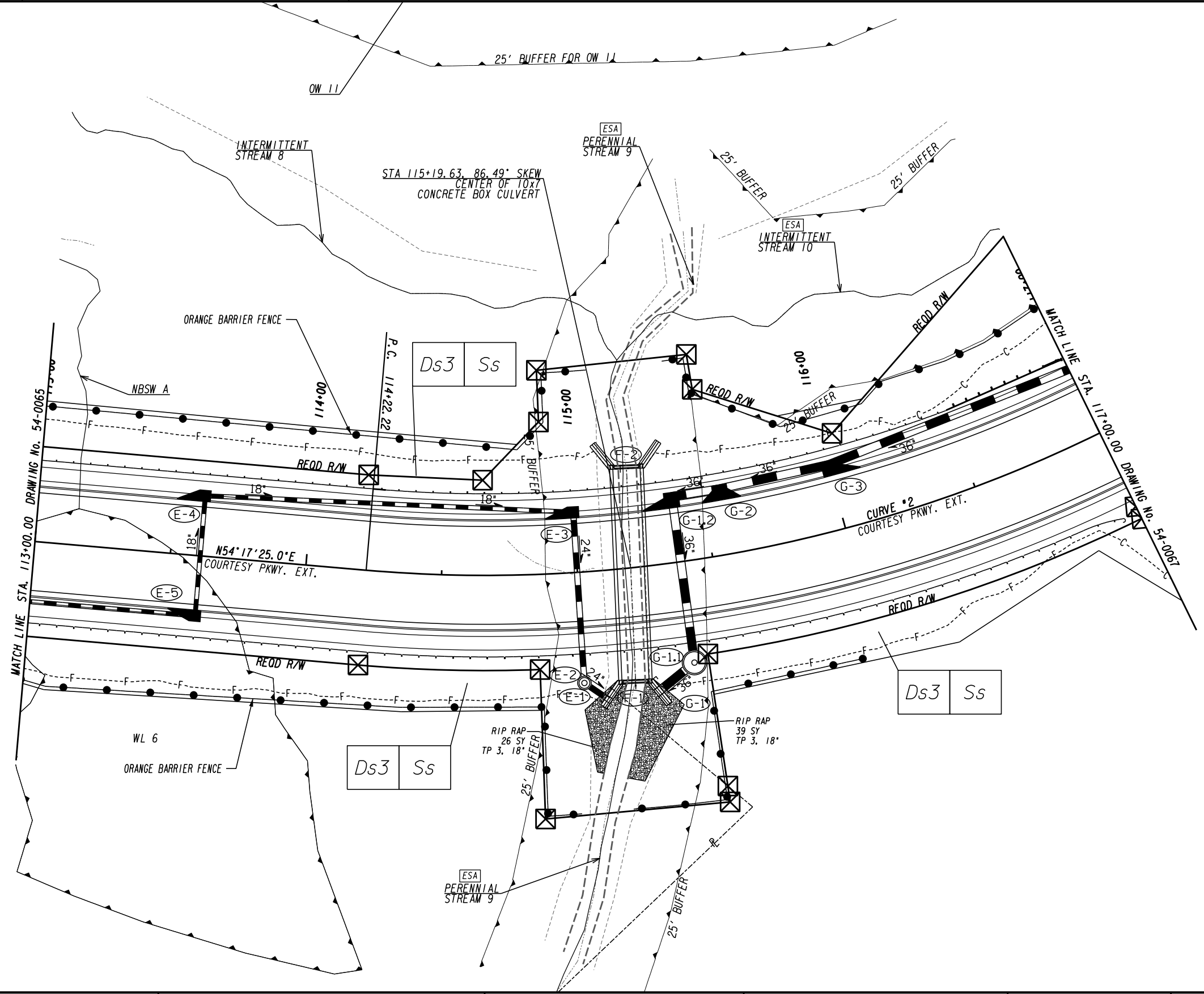
ATLAS
 2450 Commerce Avenue
 Suite 100
 Duluth, Georgia 30096
 770.263.5945



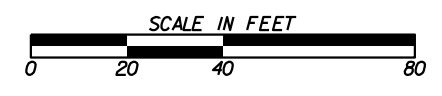
REVISION DATES	

BMP LOCATION DETAILS
 COURTESY PARKWAY EXTENSION
 FINAL PHASE

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0065
CORRECTED:	DATE:	
VERIFIED:	DATE:	



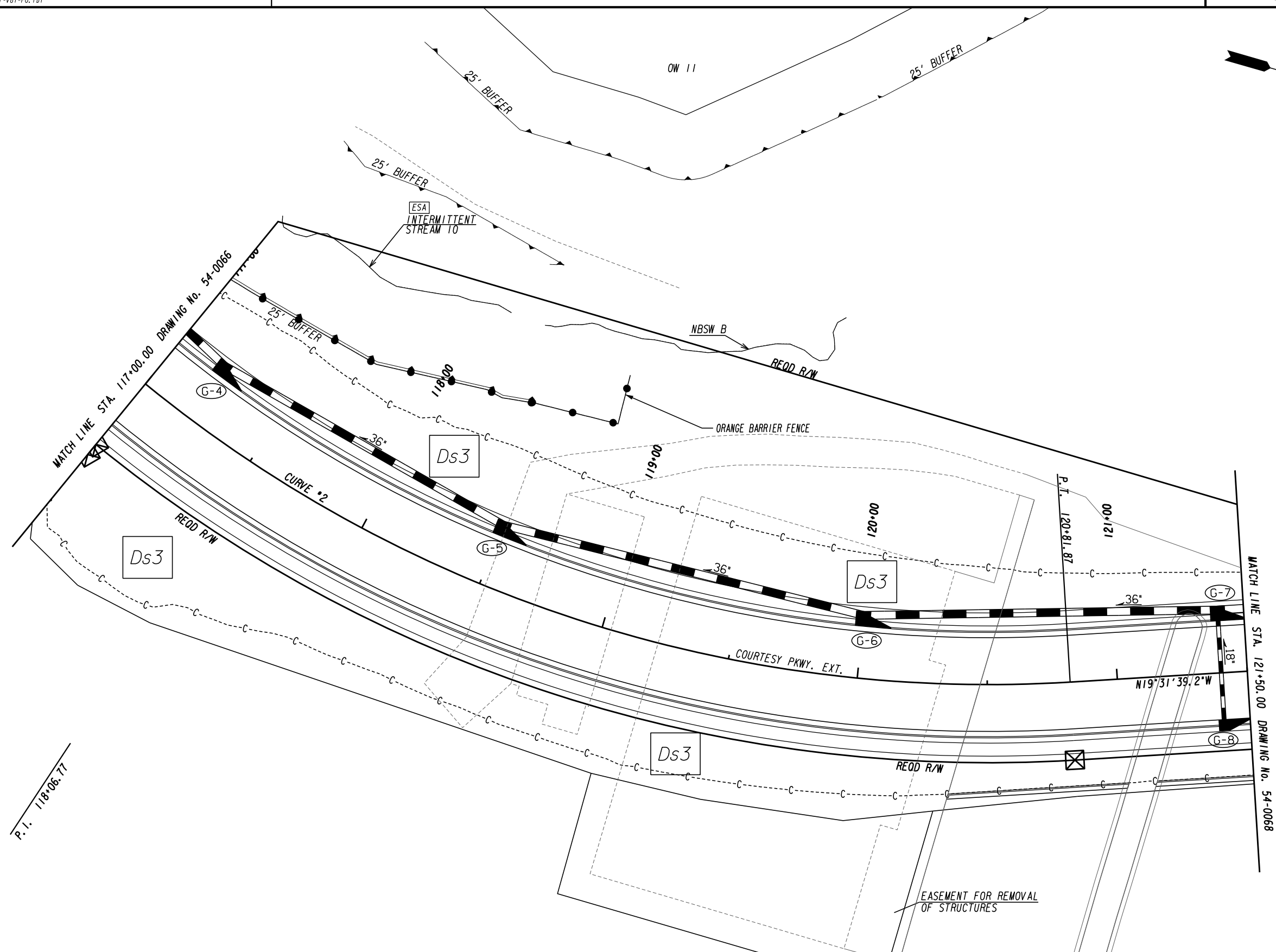
ATLAS
 2450 Commerce Avenue
 Suite 100
 Duluth, Georgia 30096
 770.263.5945



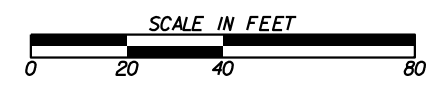
REVISION DATES	

BMP LOCATION DETAILS
 COURTESY PARKWAY EXTENSION
 FINAL PHASE

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0066
CORRECTED:	DATE:	
VERIFIED:	DATE:	

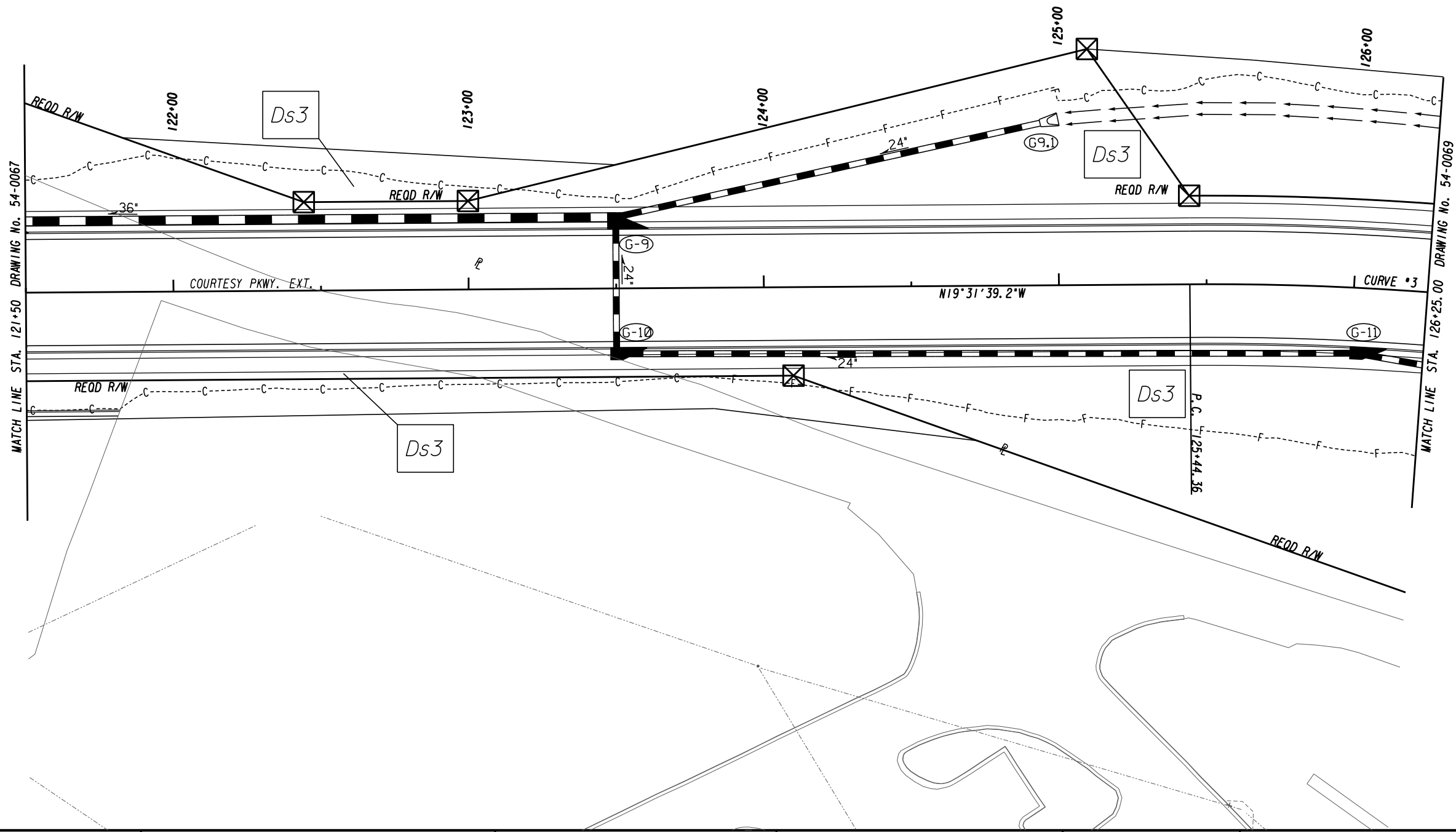
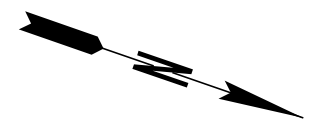


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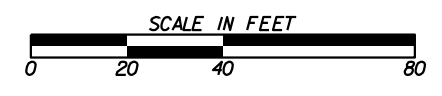


REVISION DATES	

BMP LOCATION DETAILS			
COURTESY PARKWAY EXTENSION			
FINAL PHASE			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	54-0067	
CORRECTED:	DATE:		
VERIFIED:	DATE:		



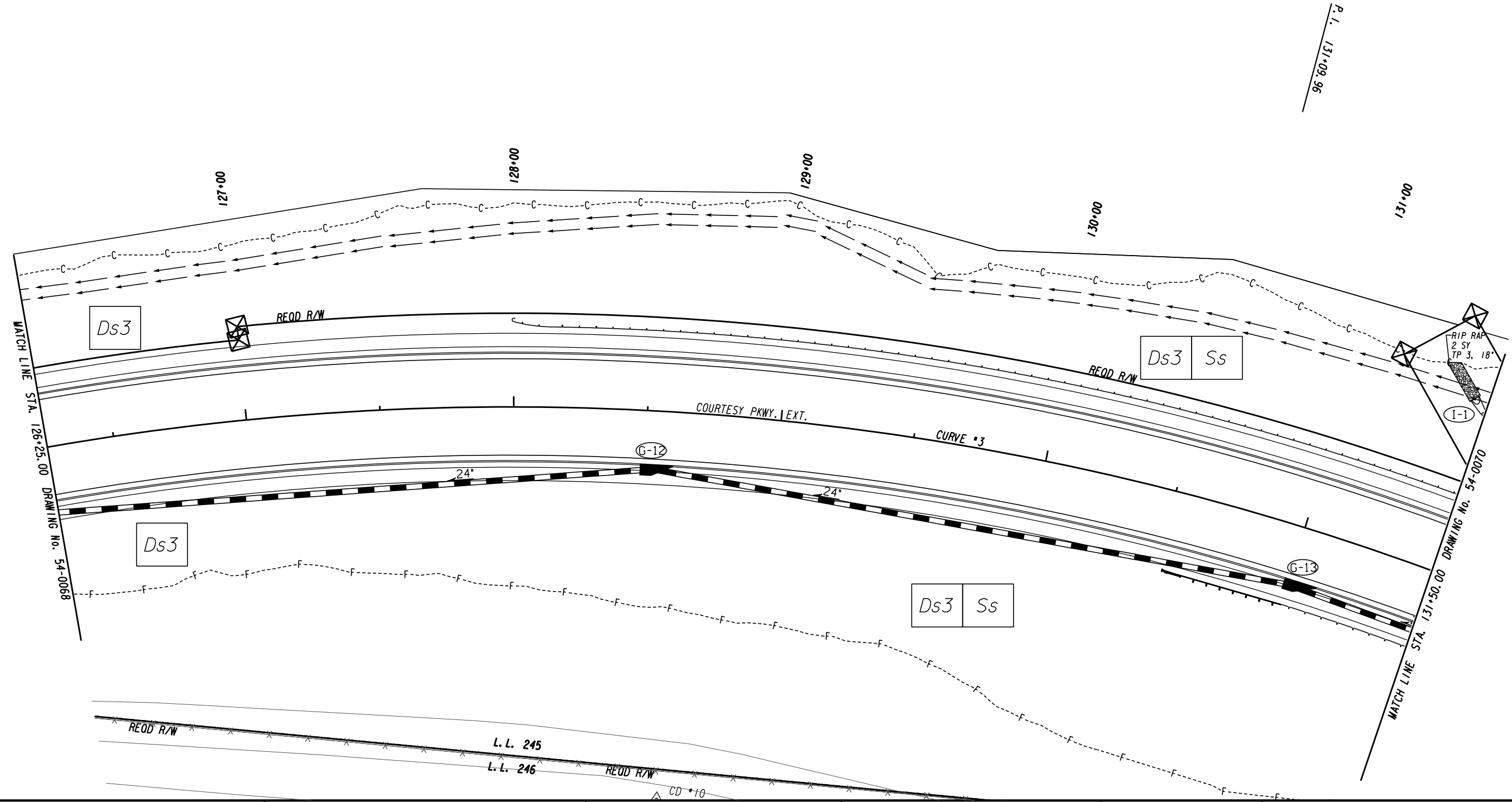
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REVISION DATES	

BMP LOCATION DETAILS
 COURTESY PARKWAY EXTENSION
 FINAL PHASE

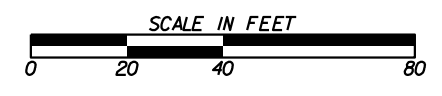
CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0068
CORRECTED:	DATE:	
VERIFIED:	DATE:	



MATCH LINE STA. 126+25.00 DRAWING No. 54-0068

MATCH LINE STA. 131+50.00 DRAWING No. 54-0070

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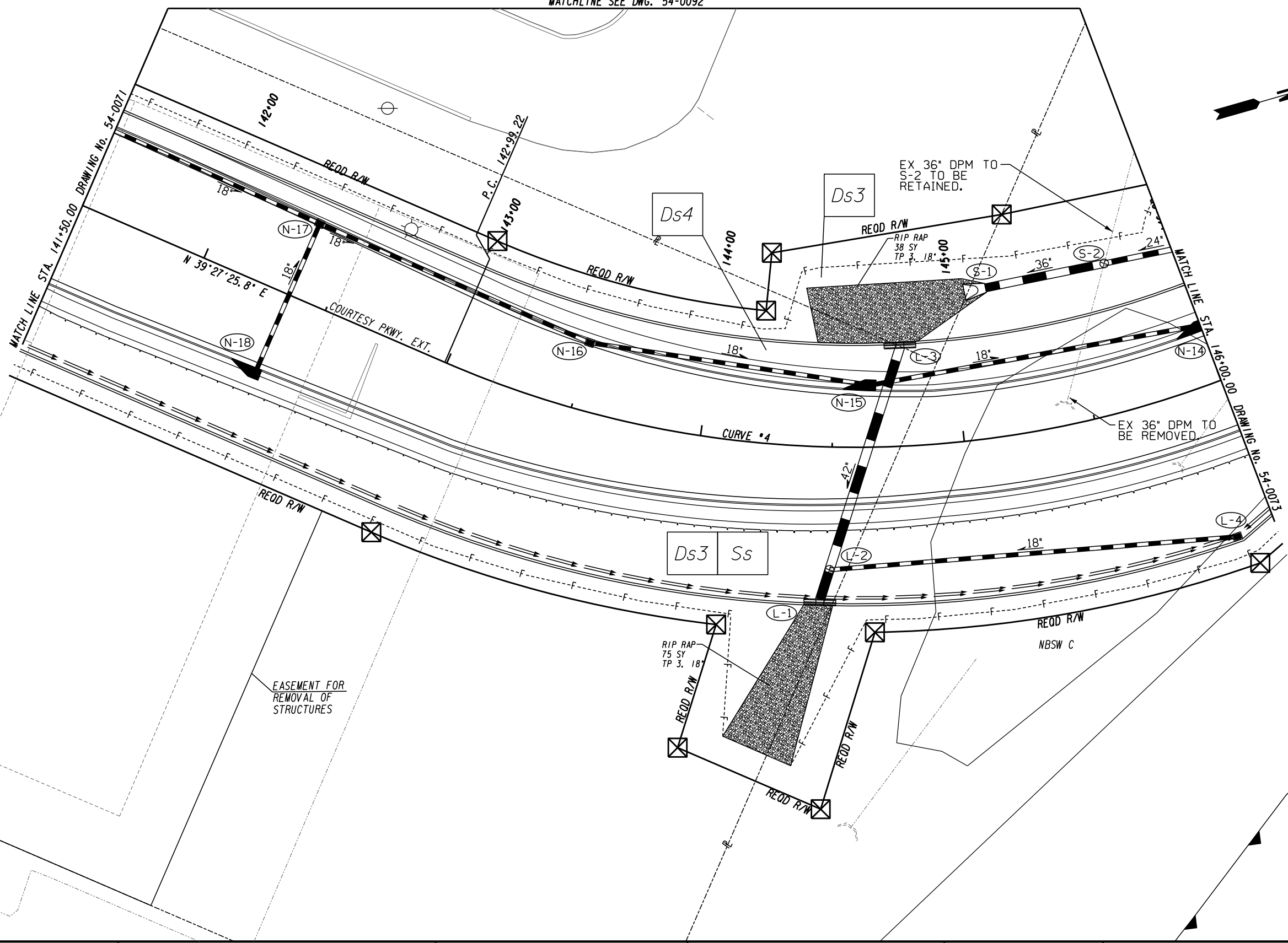


REVISION DATES	

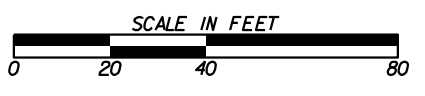
BMP LOCATION DETAILS
 COURTESY PARKWAY EXTENSION
 FINAL PHASE

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0069
CORRECTED:	DATE:	
VERIFIED:	DATE:	

MATCHLINE SEE DWG. 54-0092



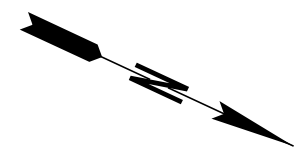
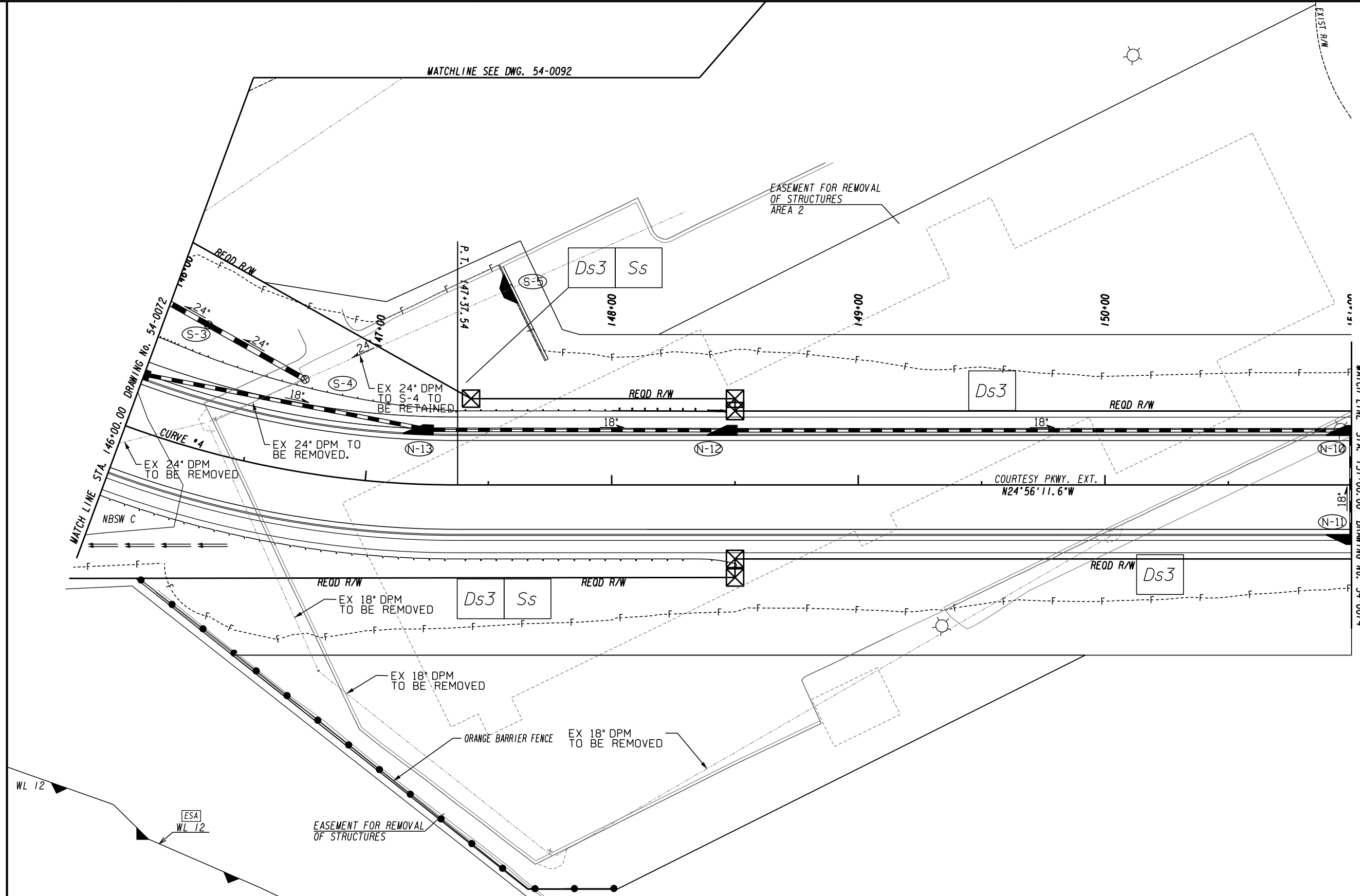
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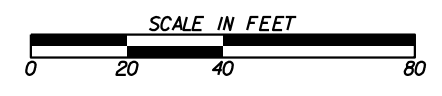
REVISION DATES	

BMP LOCATION DETAILS
 COURTESY PARKWAY EXTENSION
 FINAL PHASE

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0072
CORRECTED:	DATE:	
VERIFIED:	DATE:	



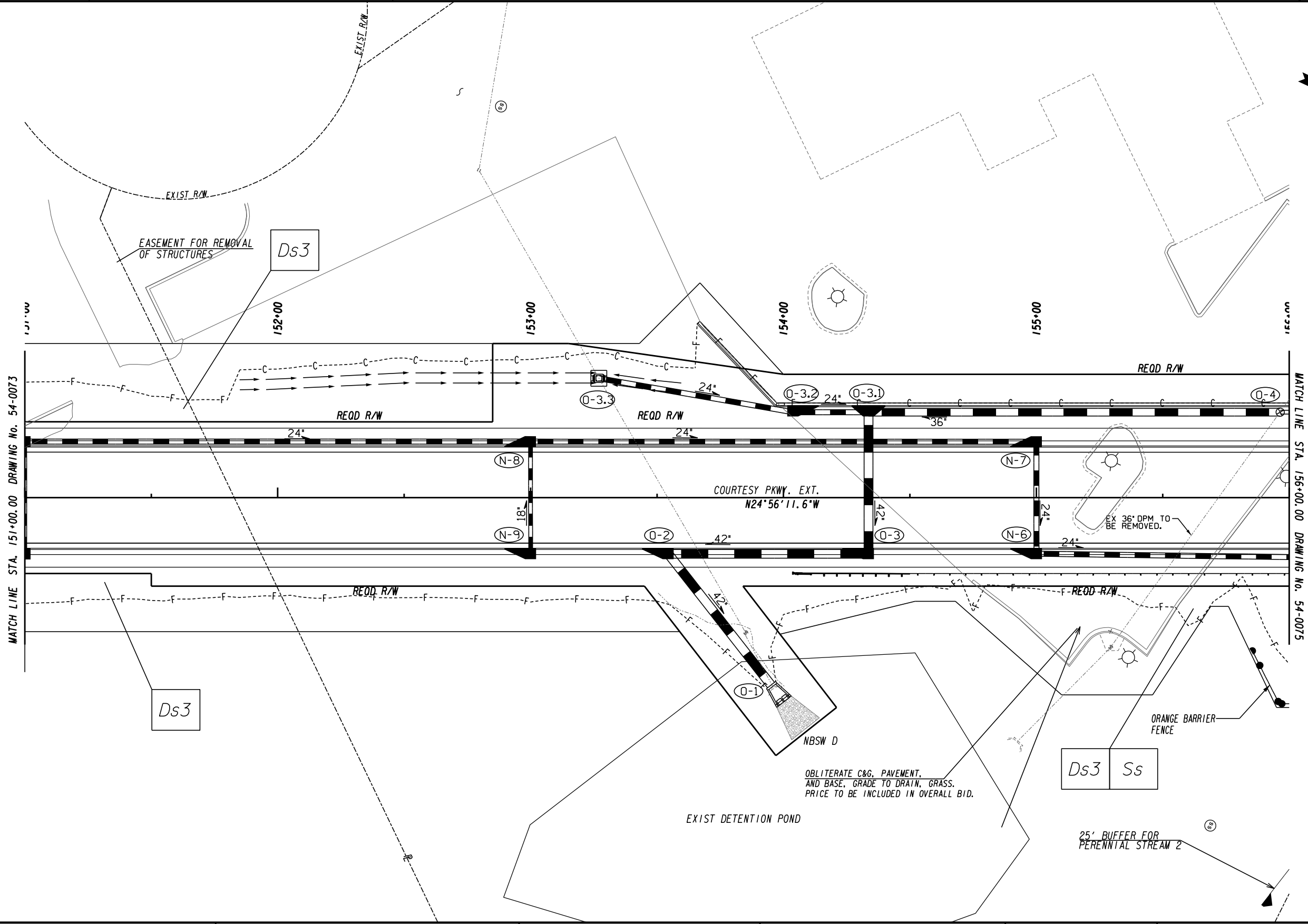
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REVISION DATES	

BMP LOCATION DETAILS
 COURTESY PARKWAY EXTENSION
 FINAL PHASE

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0073
CORRECTED:	DATE:	
VERIFIED:	DATE:	



MATCH LINE STA. 151+00.00 DRAWING No. 54-0073

MATCH LINE STA. 156+00.00 DRAWING No. 54-0075

EASEMENT FOR REMOVAL OF STRUCTURES

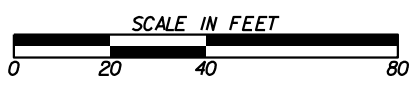
Ds3

Ds3 Ss

OBLITERATE C&G, PAVEMENT, AND BASE, GRADE TO DRAIN, GRASS. PRICE TO BE INCLUDED IN OVERALL BID.

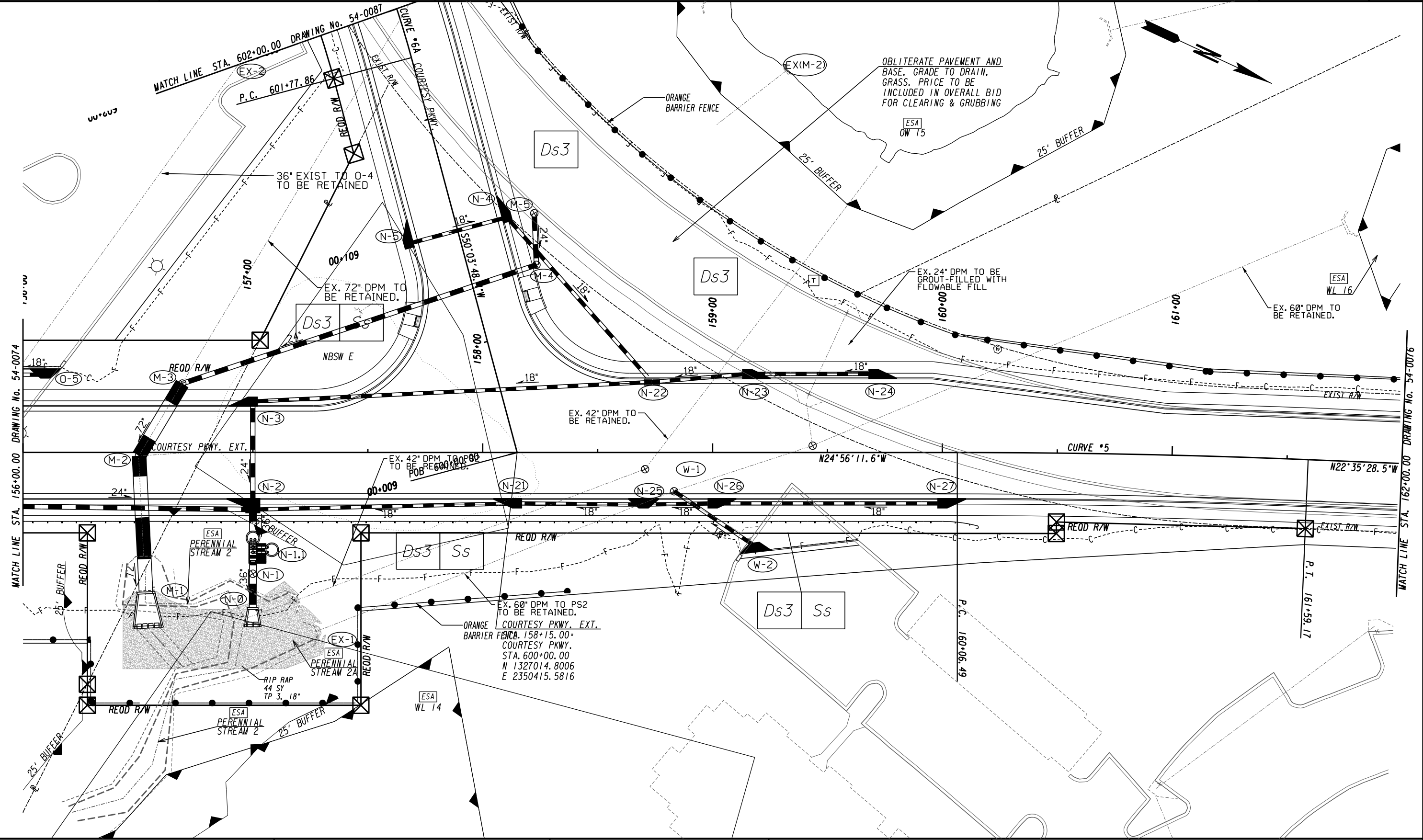
25' BUFFER FOR PERENNIAL STREAM 2

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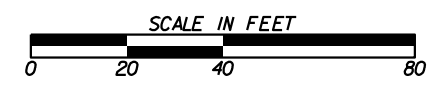


REVISION DATES	

BMP LOCATION DETAILS			
COURTESY PARKWAY EXTENSION			
FINAL PHASE			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			54-0074



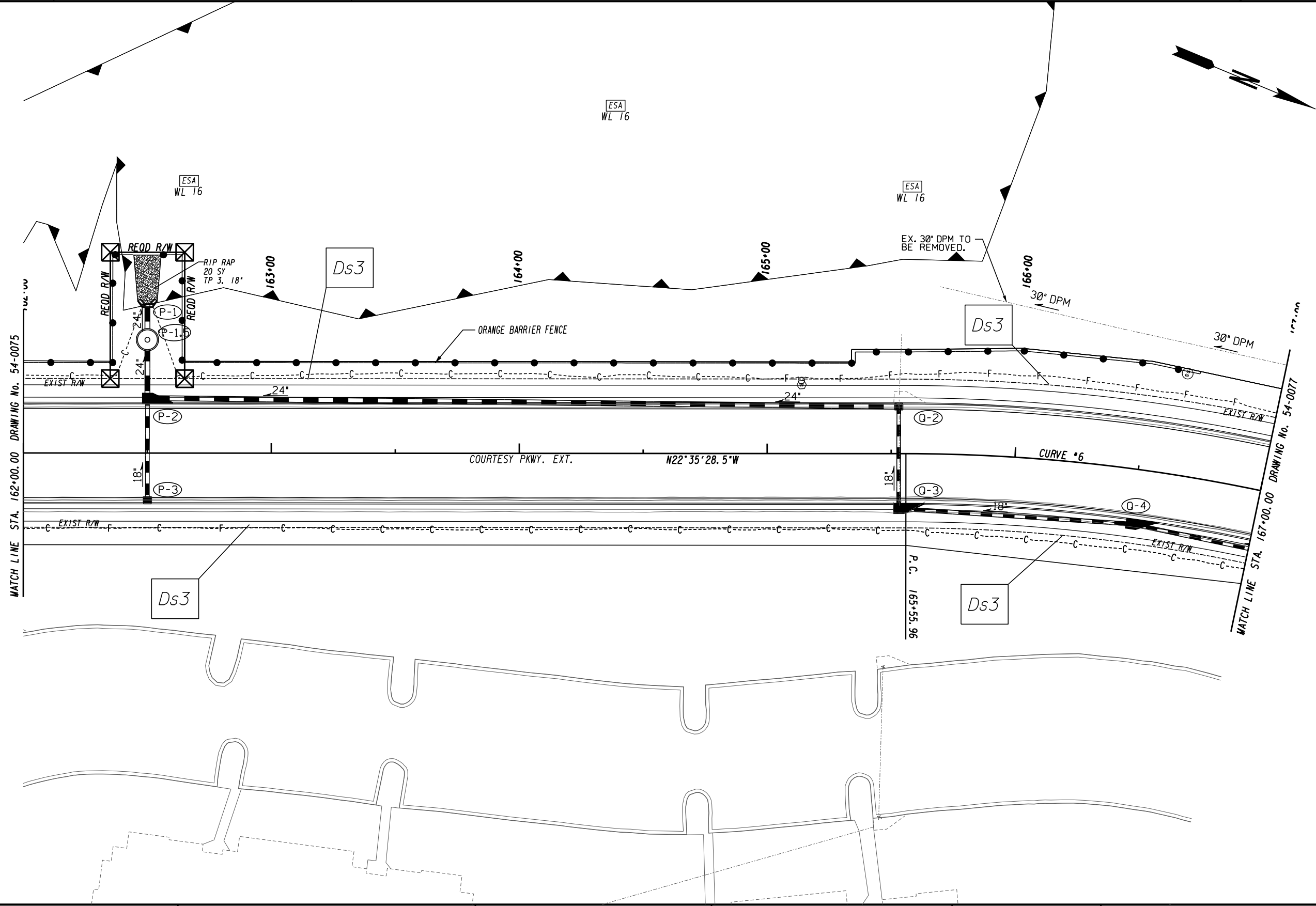
ATLAS
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 770.263.5945



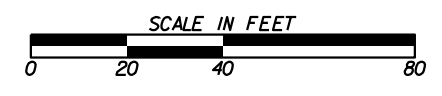
REVISION DATES	

BMP LOCATION DETAILS
 COURTESY PARKWAY EXTENSION
 FINAL PHASE

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0075
CORRECTED:	DATE:	
VERIFIED:	DATE:	

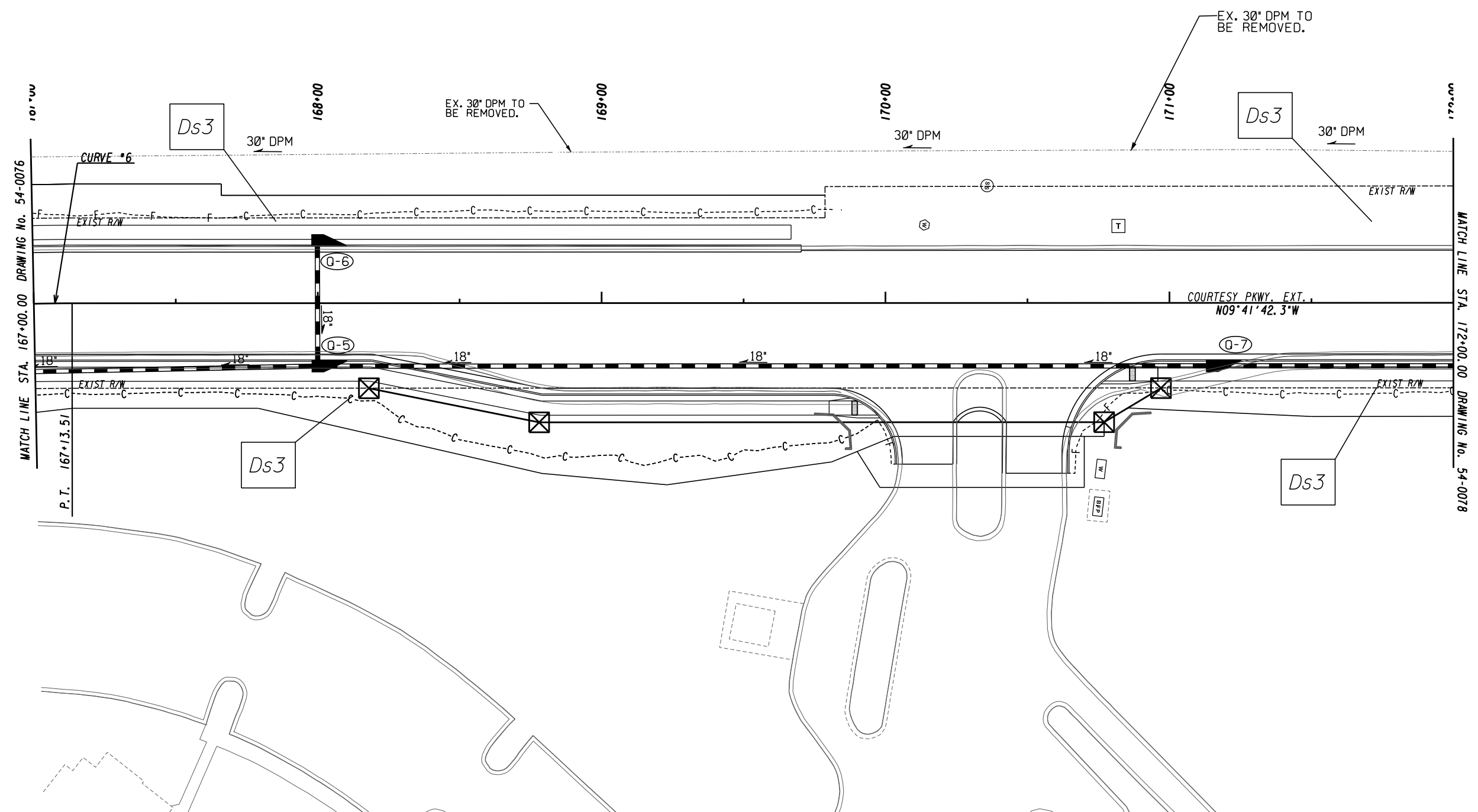


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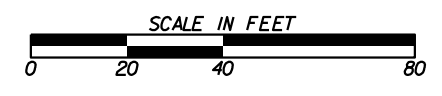


REVISION DATES	

BMP LOCATION DETAILS			
COURTESY PARKWAY EXTENSION			
FINAL PHASE			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			54-0076

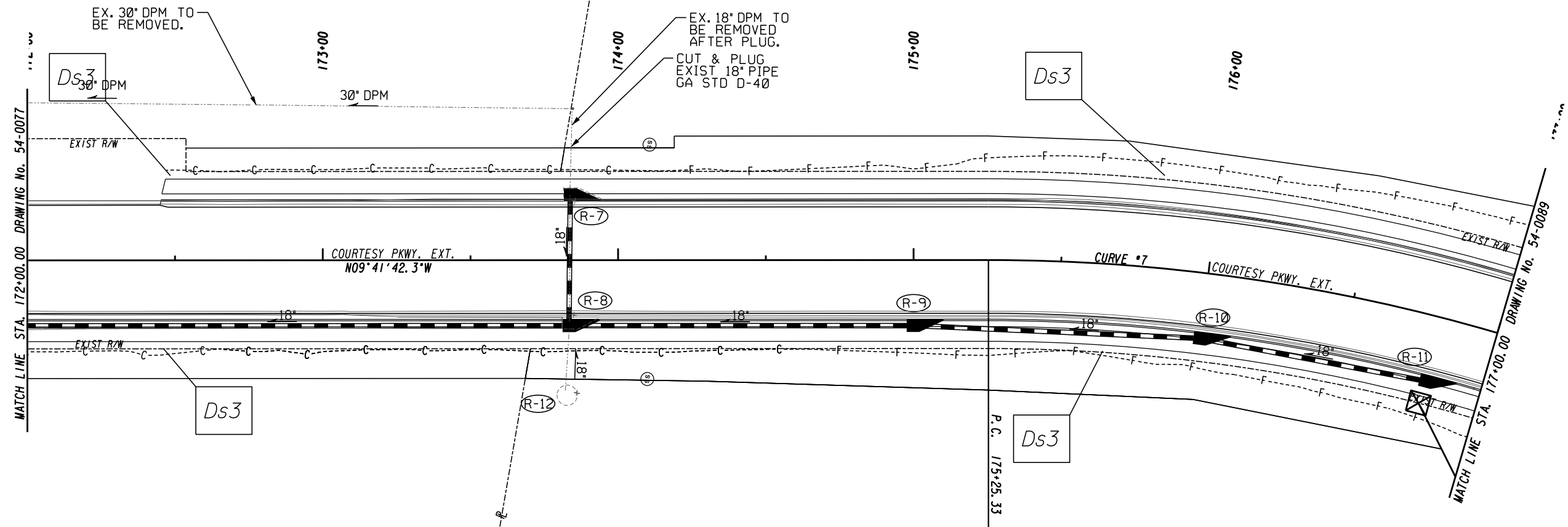


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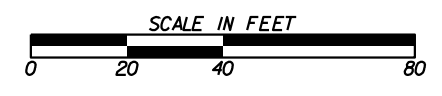


REVISION DATES	

BMP LOCATION DETAILS			
COURTESY PARKWAY EXTENSION			
FINAL PHASE			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			54-0077

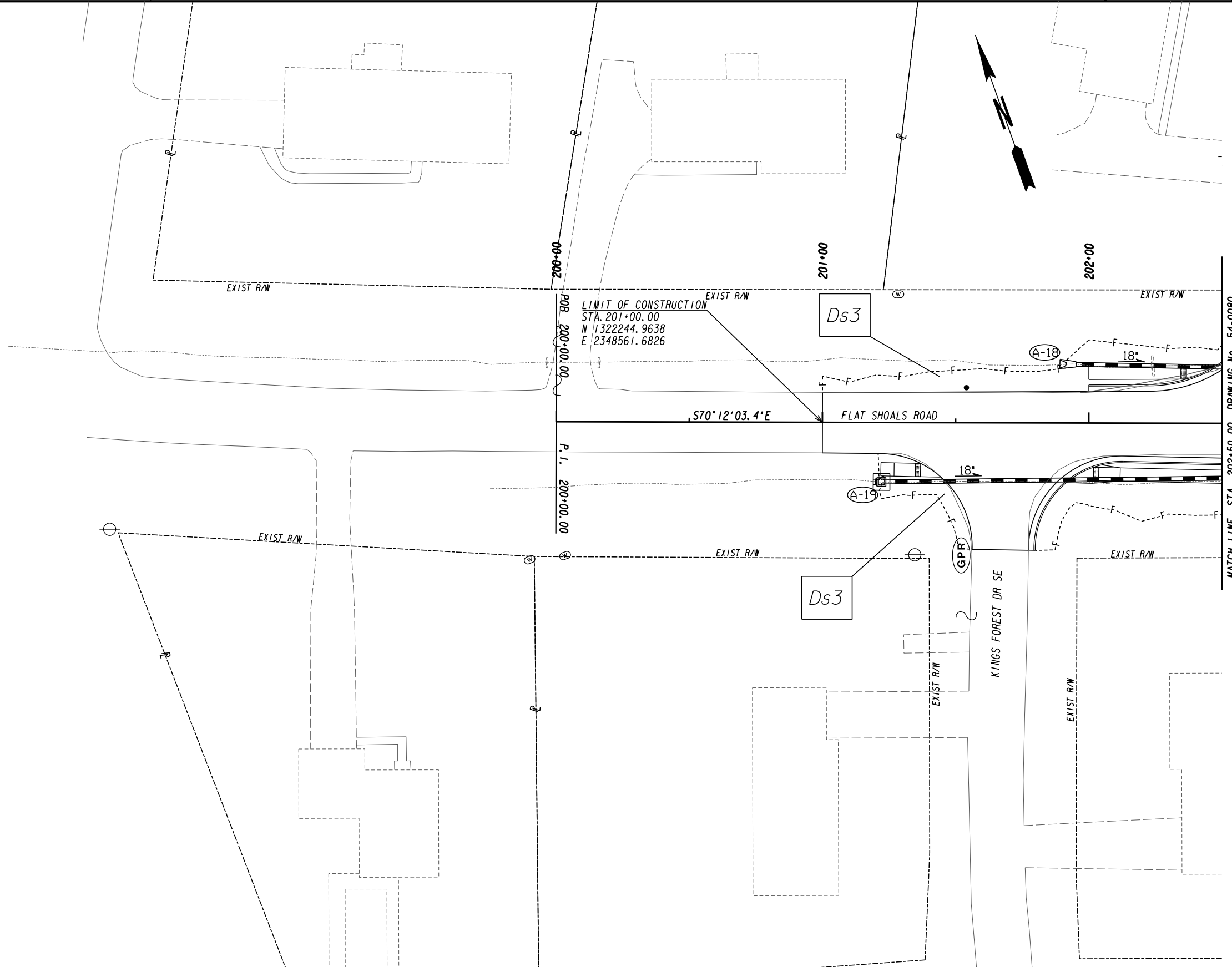


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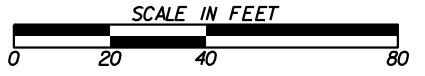
REVISION DATES	

BMP LOCATION DETAILS			
COURTESY PARKWAY EXTENSION			
FINAL PHASE			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			54-0078



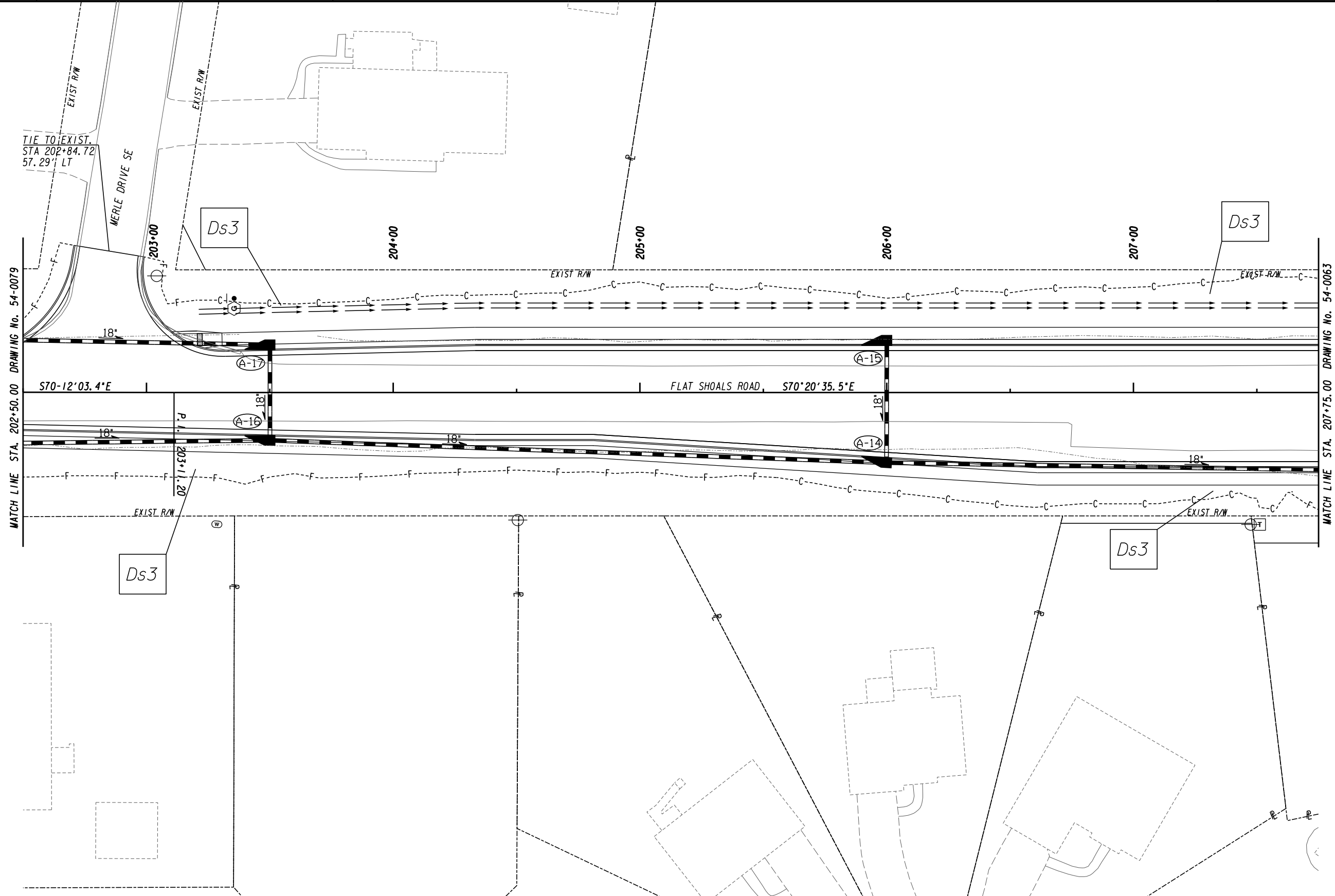
MATCH LINE STA. 202+50.00 DRAWING No. 54-0080

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REVISION DATES	

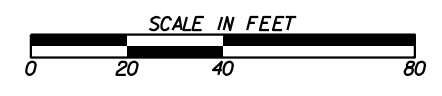
BMP LOCATION DETAILS			
FLAT SHOALS ROAD			
FINAL PHASE			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			54-0079



MATCH LINE STA. 202+50.00 DRAWING No. 54-0079

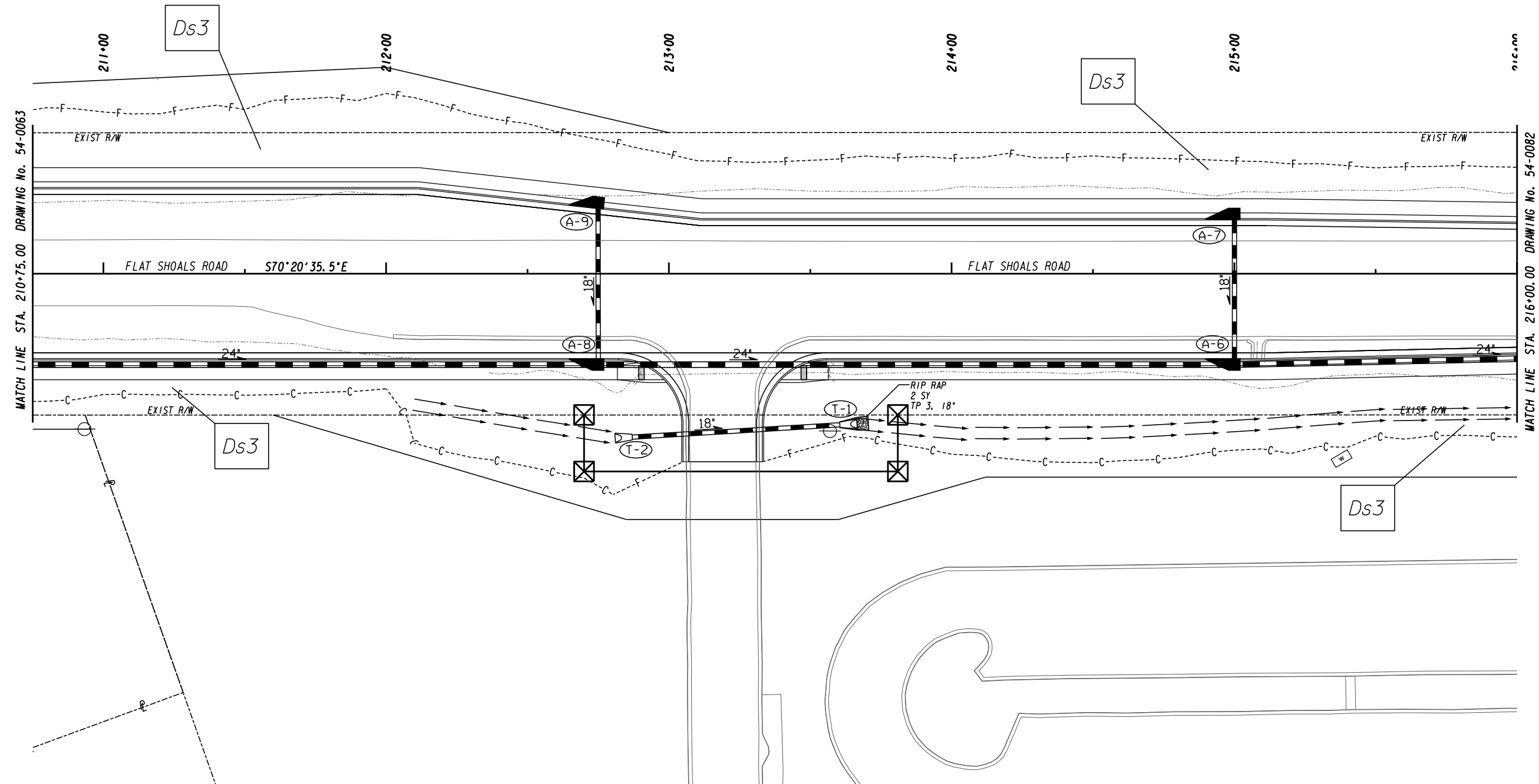
MATCH LINE STA. 207+75.00 DRAWING No. 54-0063

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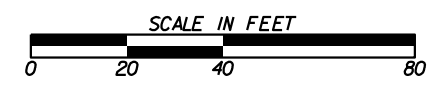


REVISION DATES	

BMP LOCATION DETAILS			
FLAT SHOALS ROAD			
FINAL PHASE			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			54-0080



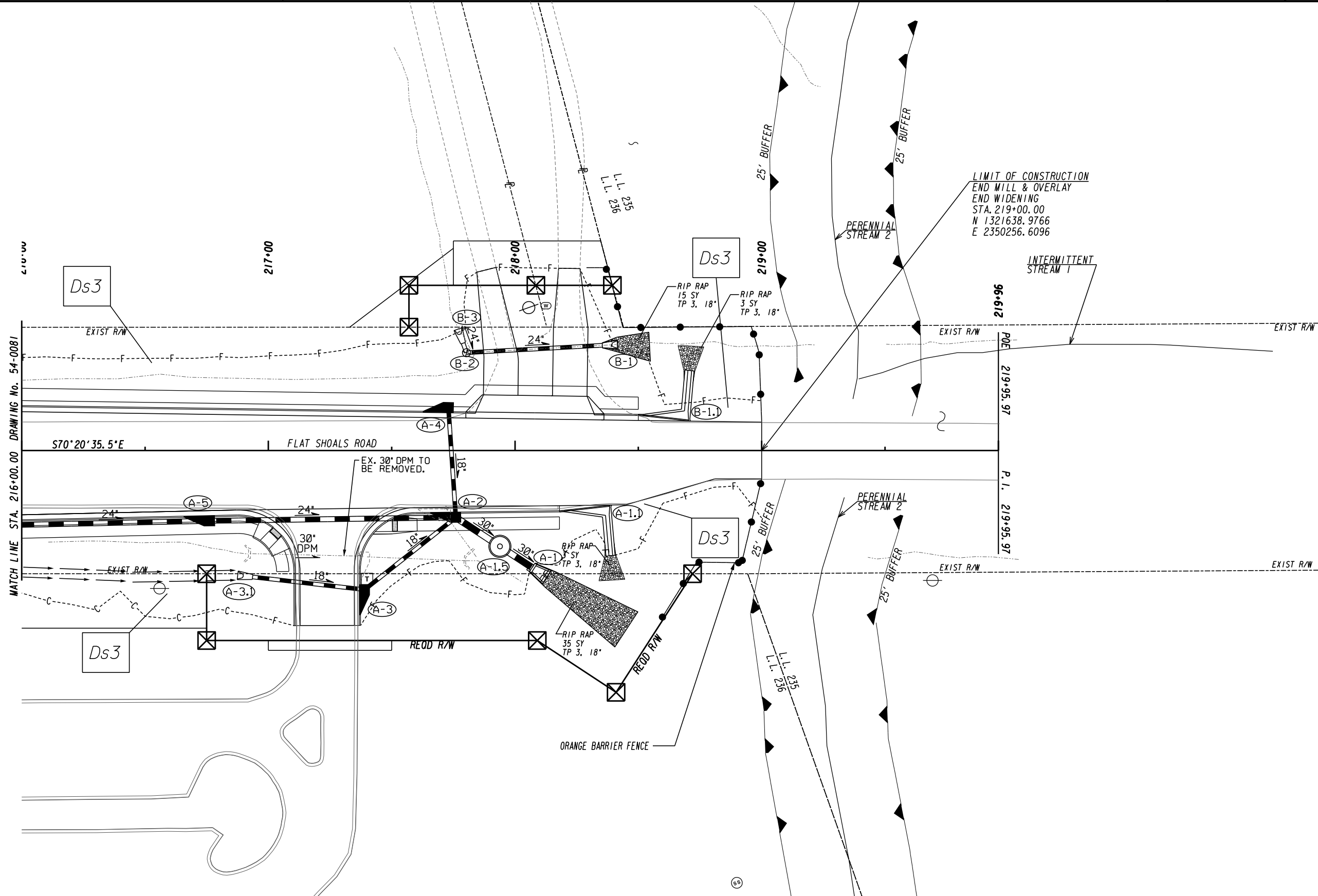
ATLAS
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 Suite 100
 Duluth, Georgia 30096
 770.263.5945



REVISION DATES	

BMP LOCATION DETAILS
 FLAT SHOALS ROAD
 FINAL PHASE

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0081
CORRECTED:	DATE:	
VERIFIED:	DATE:	



MATCH LINE STA. 216+00.00 DRAWING No. 54-0081

LIMIT OF CONSTRUCTION
 END MILL & OVERLAY
 END WIDENING
 STA. 219+00.00
 N 1321638.9766
 E 2350256.6096

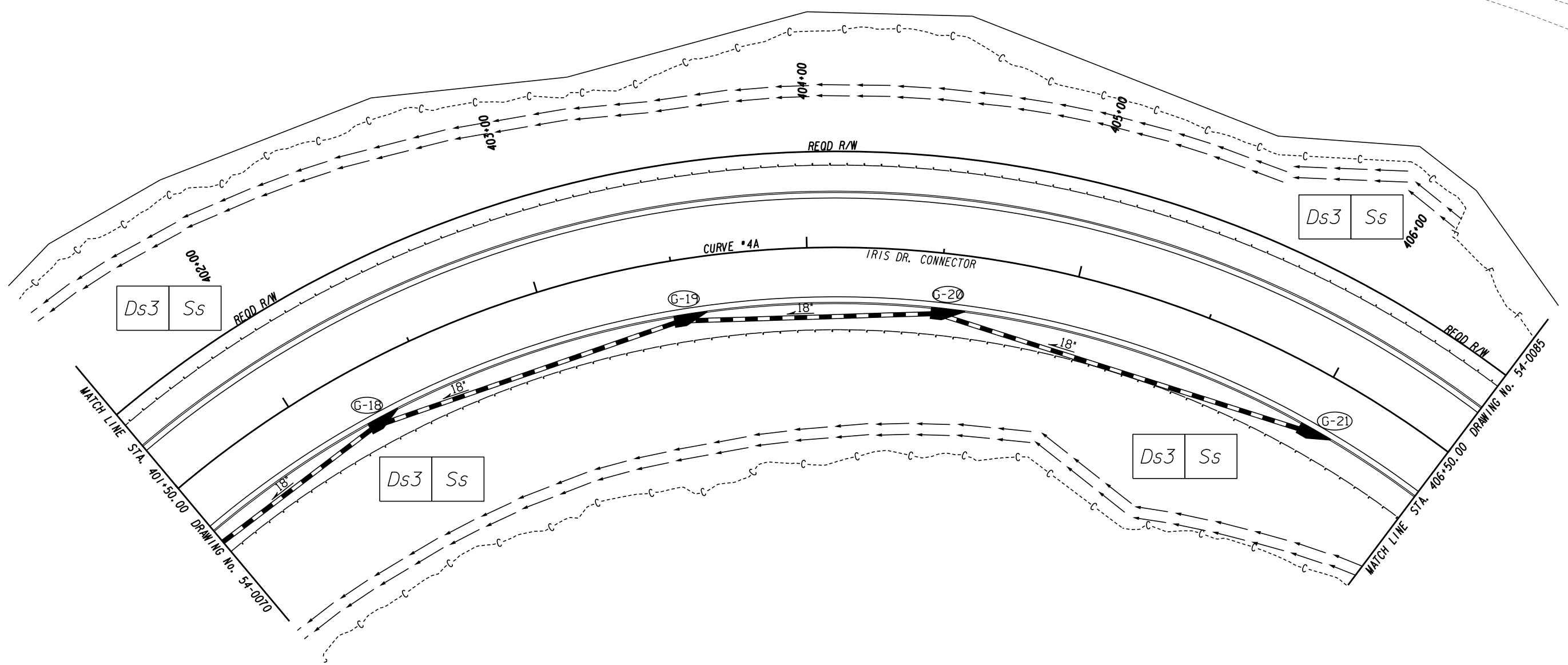
P.O.E. 219+95.97
 P.I. 219+95.97

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 770.263.5945

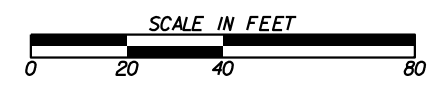


REVISION DATES	

BMP LOCATION DETAILS			
FLAT SHOALS ROAD			
FINAL PHASE			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			54-0082



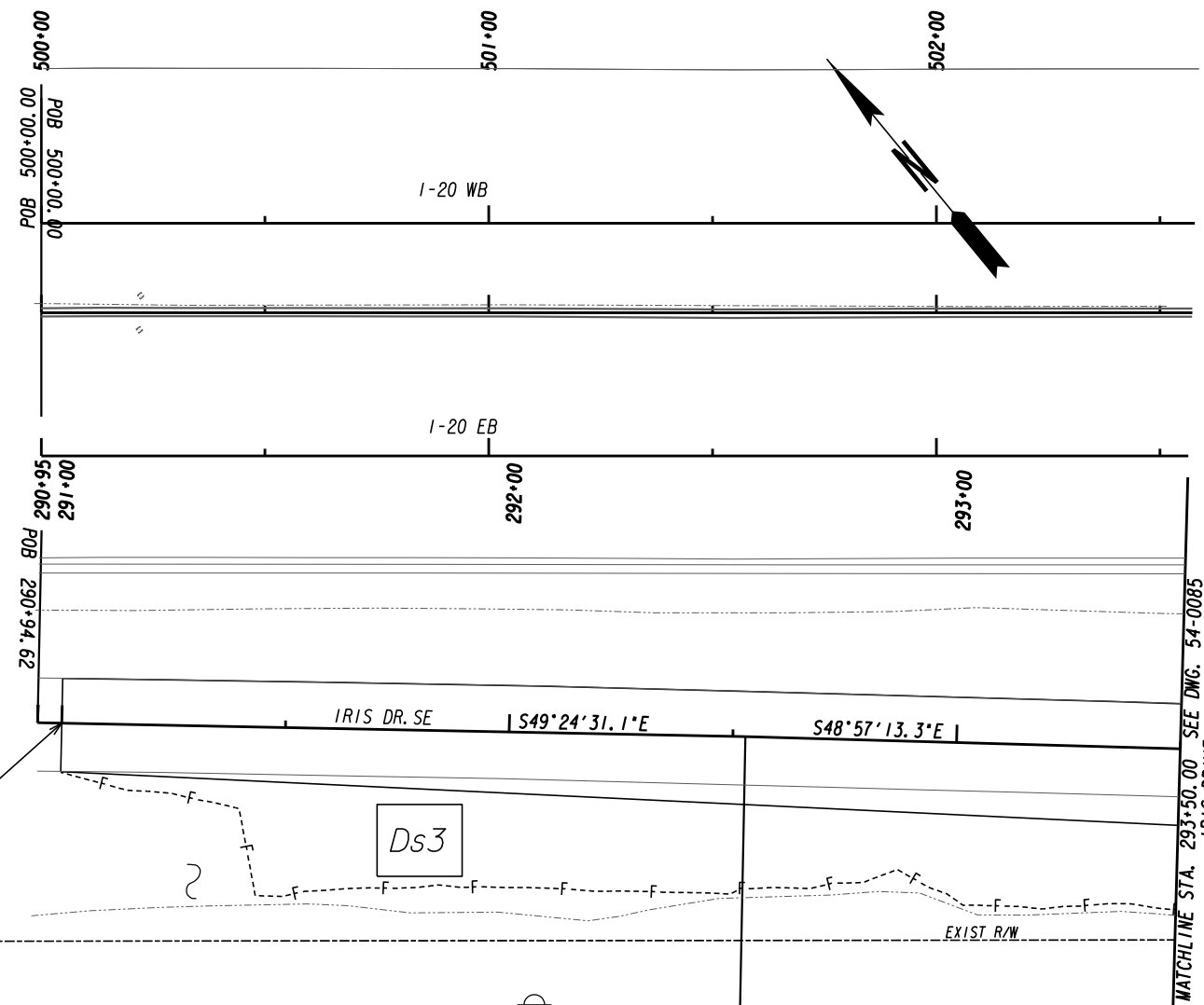
ATLAS
 2450 Commerce Avenue
 Suite 100
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 770.263.5945



REVISION DATES	

BMP LOCATION DETAILS
 IRIS DRIVE CONNECTOR
 FINAL PHASE

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0083
CORRECTED:	DATE:	
VERIFIED:	DATE:	

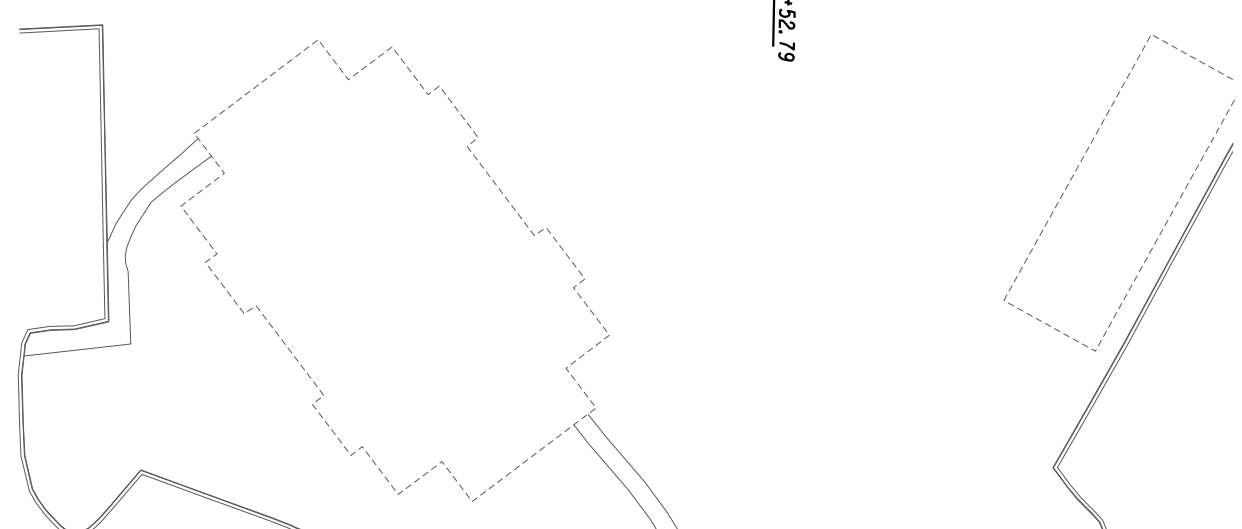


LIMIT OF CONSTRUCTION
 BEGIN MILL & OVERLAY
 STA. 291+00.00
 N 1326184.4555
 E 2349399.0842

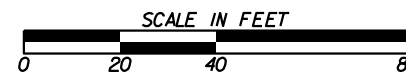
EXIST. R/W

EXIST. R/W

MATCHLINE STA. 293+50.00 SEE DWG. 54-0085
IRIS DRIVE



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 770.263.5945



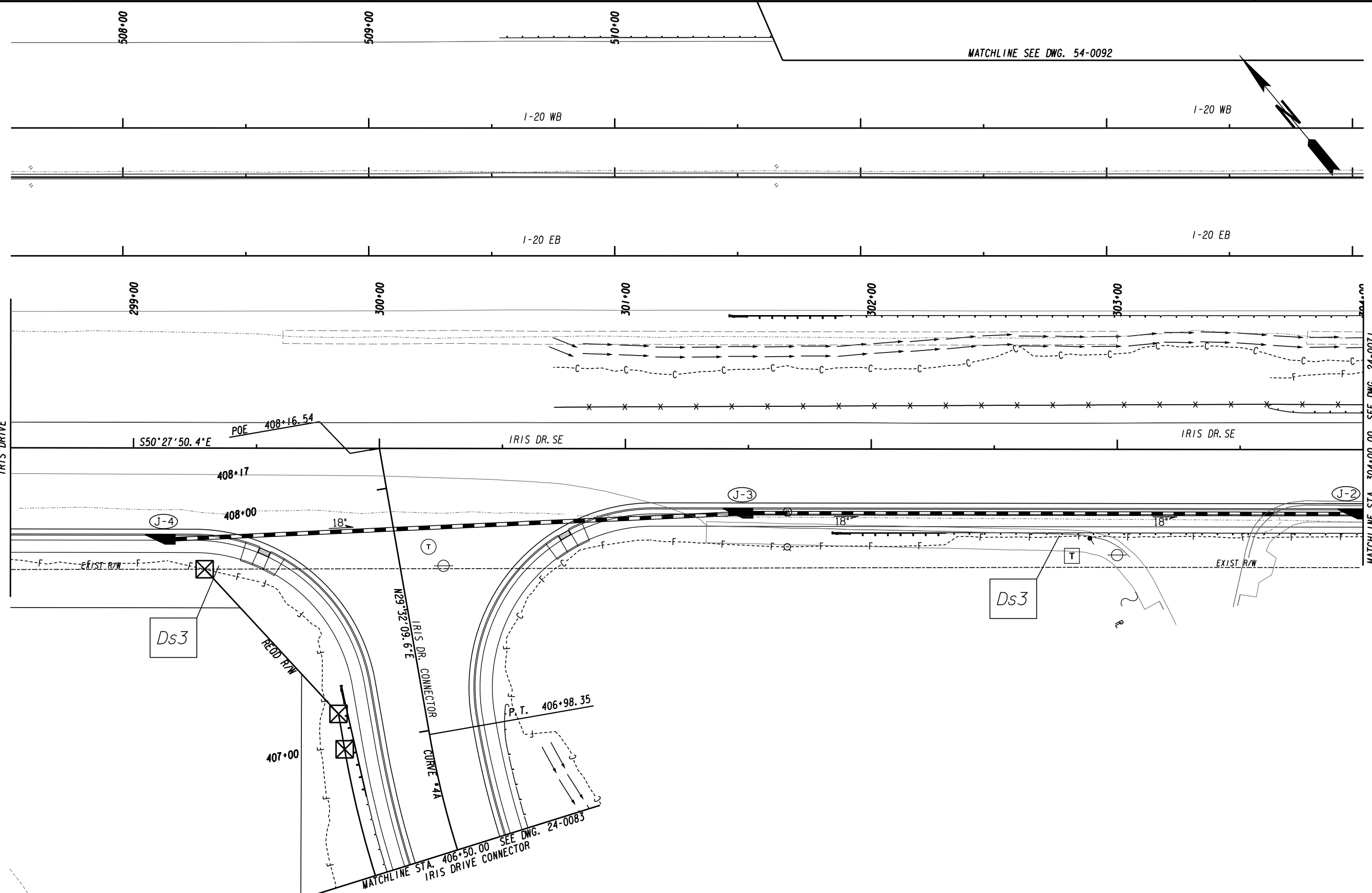
REVISION DATES

NO.	DATE	DESCRIPTION

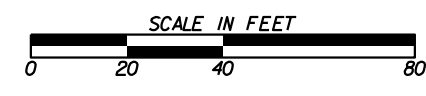
BMP LOCATION DETAILS
 IRIS DRIVE SE
 FINAL PHASE

CHECKED:	DATE:
BACKCHECKED:	DATE:
CORRECTED:	DATE:
VERIFIED:	DATE:

DRAWING No.
54-0084



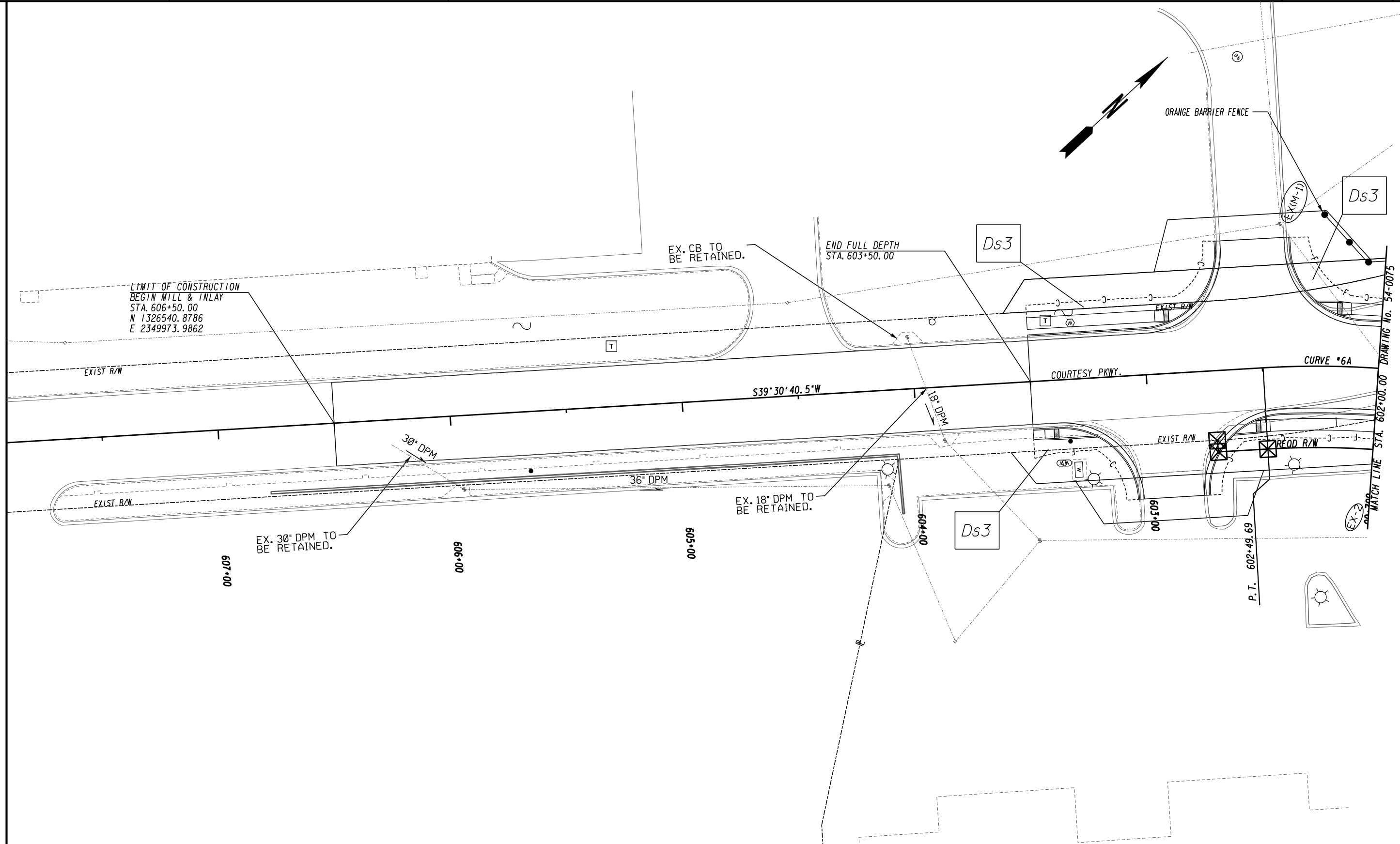
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REVISION DATES	

BMP LOCATION DETAILS
 IRIS DRIVE SE
 FINAL PHASE

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0086
CORRECTED:	DATE:	
VERIFIED:	DATE:	



LIMIT OF CONSTRUCTION
 BEGIN MILL & INLAY
 STA. 606+50.00
 N 1326540.8786
 E 2349973.9862

EXIST R/W

S39°30'40.5"W

COURTESY PKWY.

CURVE #6A

ORANGE BARRIER FENCE

EXIST R/W

30" DPM

36" DPM

EX. 18" DPM TO BE RETAINED.

18" DPM

EXIST R/W

PROP R/W

EX. 30" DPM TO BE RETAINED.

EX. CB TO BE RETAINED.

END FULL DEPTH
STA. 603+50.00

Ds3

Ds3

Ds3

EX(M-1)

607+00

606+00

605+00

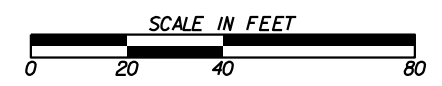
604+00

603+00

P. T. 602+49.69

STA. 602+00.00 DRAWING No. 54-0075
MATCH LINE

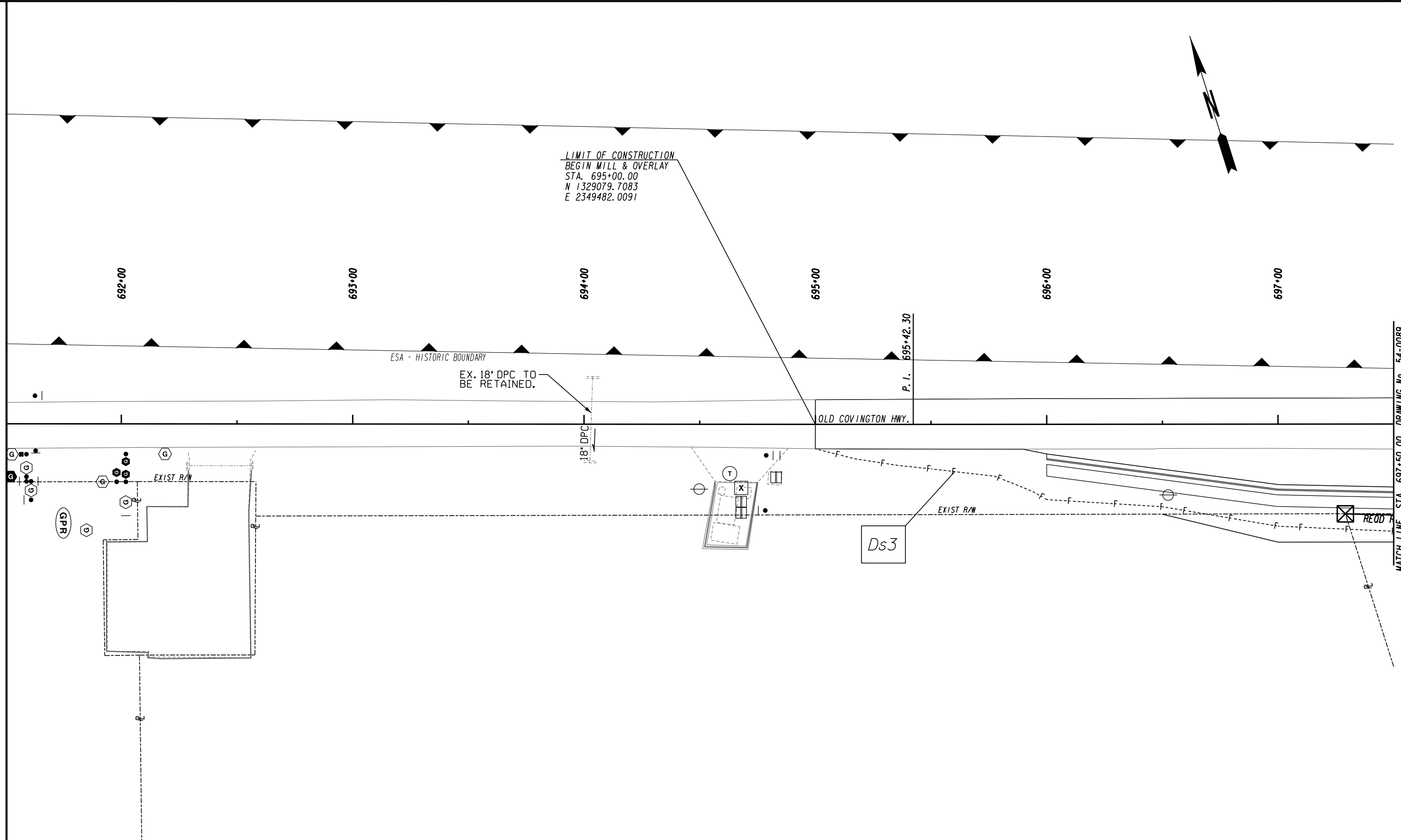
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REVISION DATES	

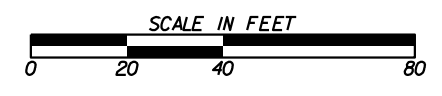
BMP LOCATION DETAILS
 COURTESY PARKWAY
 FINAL PHASE

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0087
CORRECTED:	DATE:	
VERIFIED:	DATE:	



MATCH LINE STA. 697+50.00 DRAWING No. 54-0089

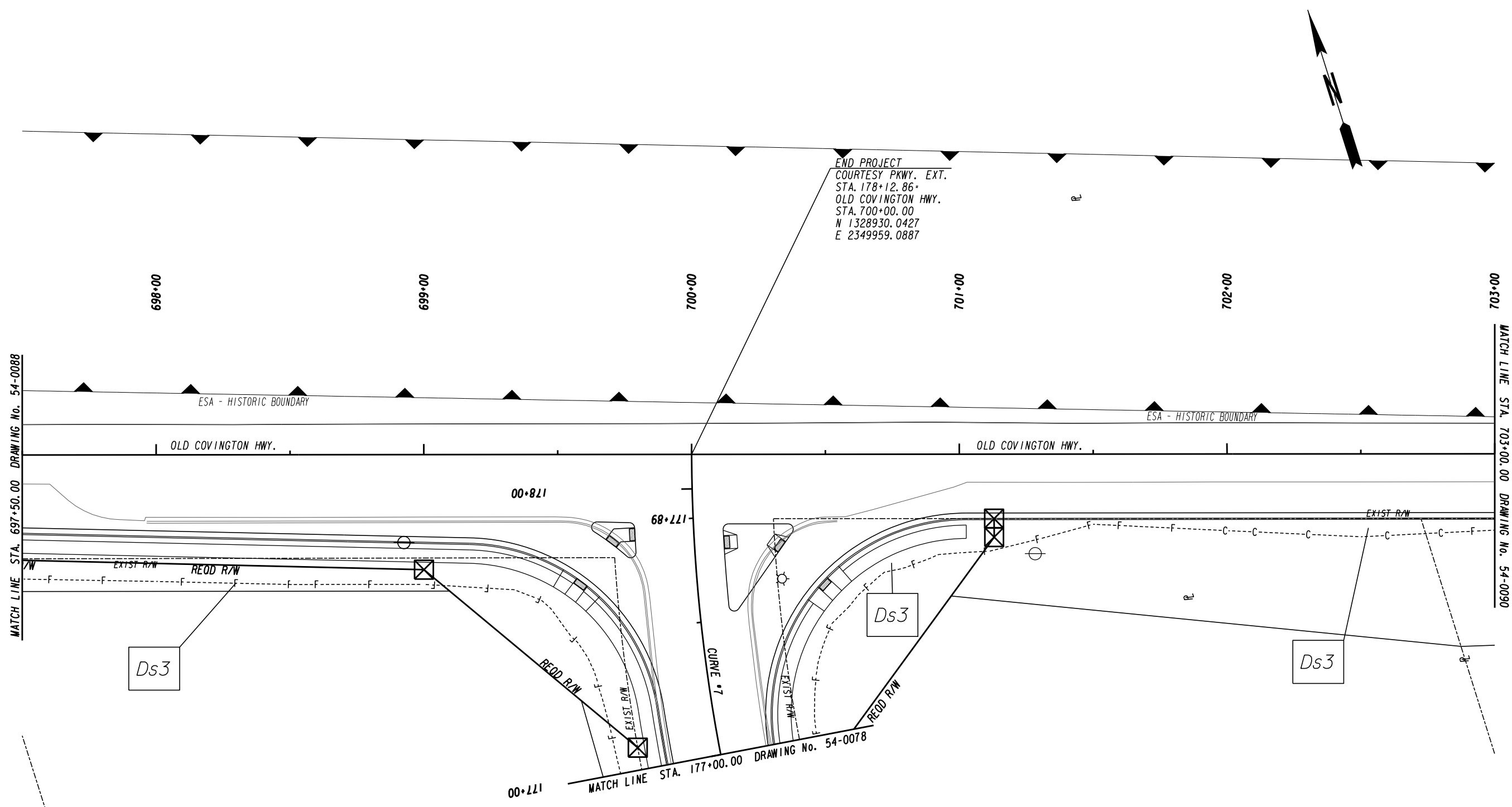
ATLAS
 2450 Commerce Avenue
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 770.263.5945



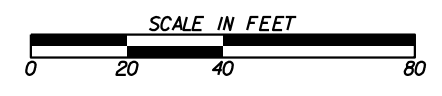
REVISION DATES	

BMP LOCATION DETAILS
 OLD COVINGTON HIGHWAY
 FINAL PHASE

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0088
CORRECTED:	DATE:	
VERIFIED:	DATE:	



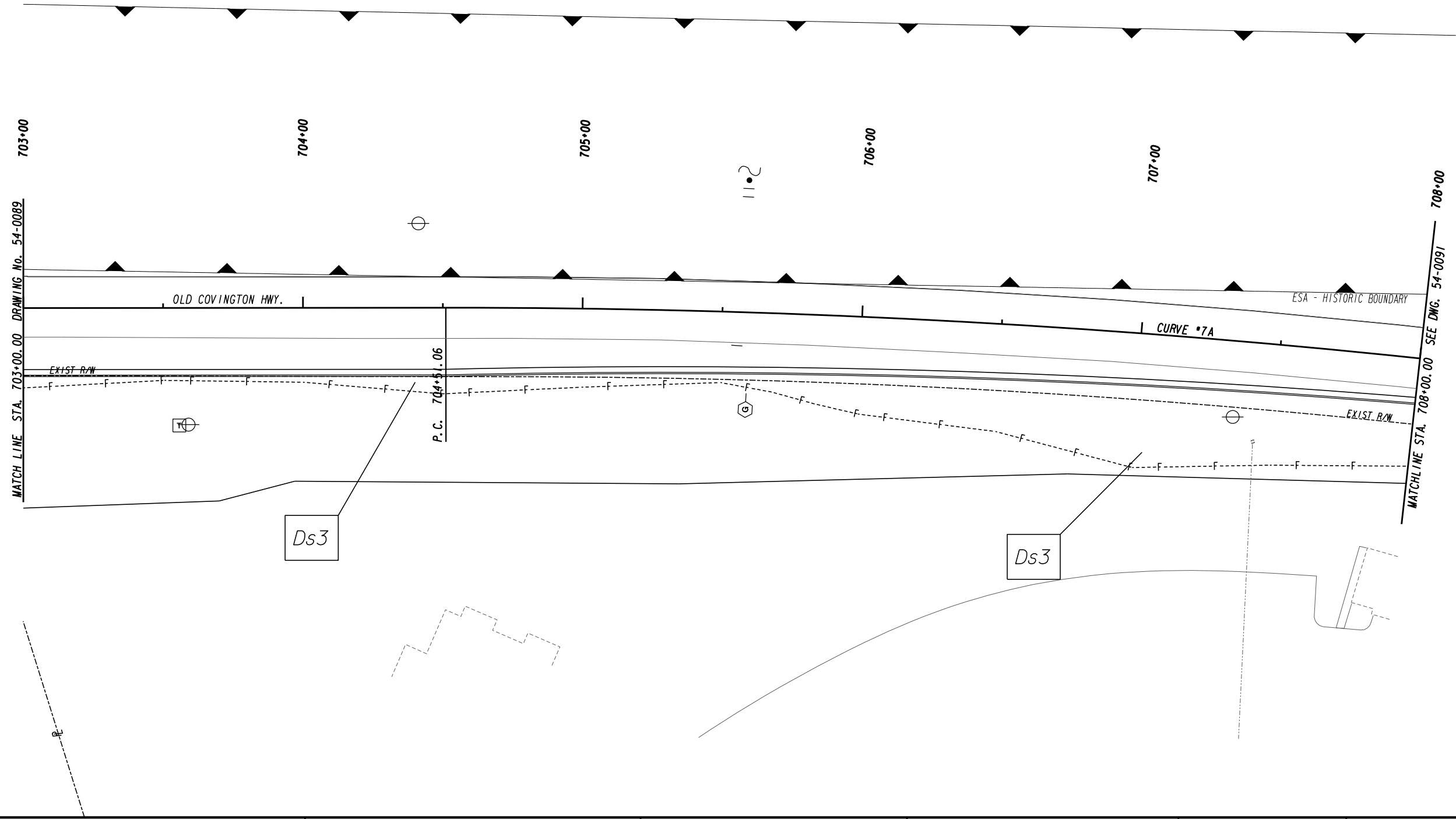
ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945



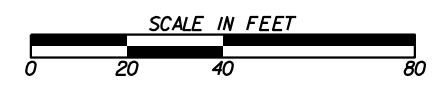
REVISION DATES	

BMP LOCATION DETAILS
OLD COVINGTON HIGHWAY
FINAL PHASE

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0089
CORRECTED:	DATE:	
VERIFIED:	DATE:	

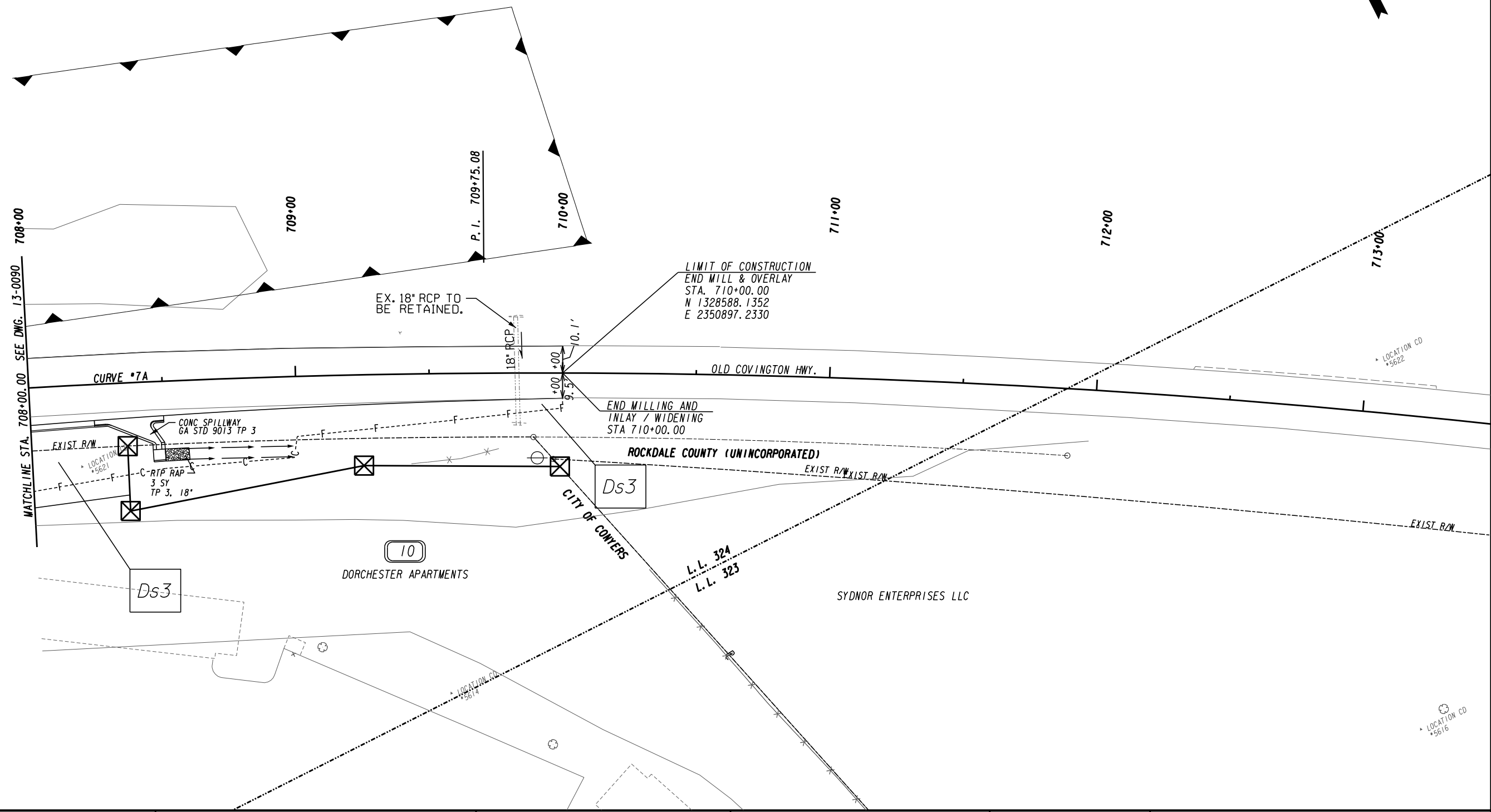
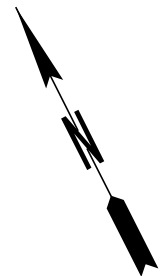


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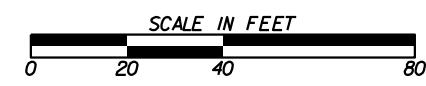


REVISION DATES	

BMP LOCATION DETAILS			
OLD COVINGTON HIGHWAY			
FINAL PHASE			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			54-0090



ATLAS
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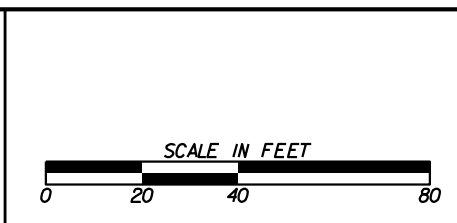
REVISION DATES	

BMP LOCATION DETAILS			
OLD COVINGTON HIGHWAY			
FINAL PHASE			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			54-0091



<p>10/23/2015 GPLN</p>			

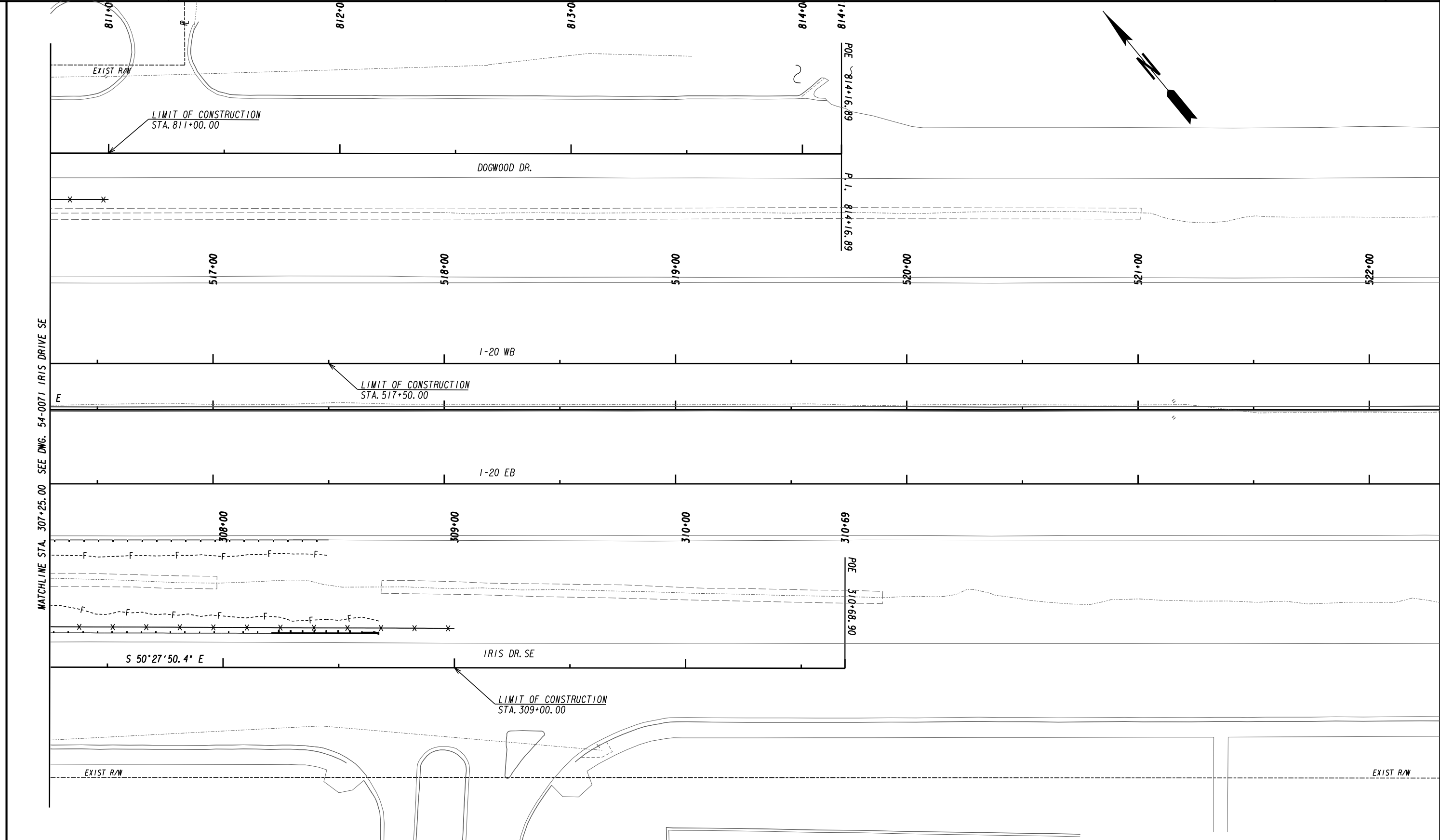
ATLAS
 2450 Commerce Avenue
 Suite 100
 Duluth, Georgia 30096
 770.263.5945



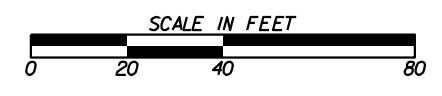
REVISION DATES	

BMP LOCATION DETAILS
 DOGWOOD DRIVE
 FINAL PHASE

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0092
CORRECTED:	DATE:	
VERIFIED:	DATE:	



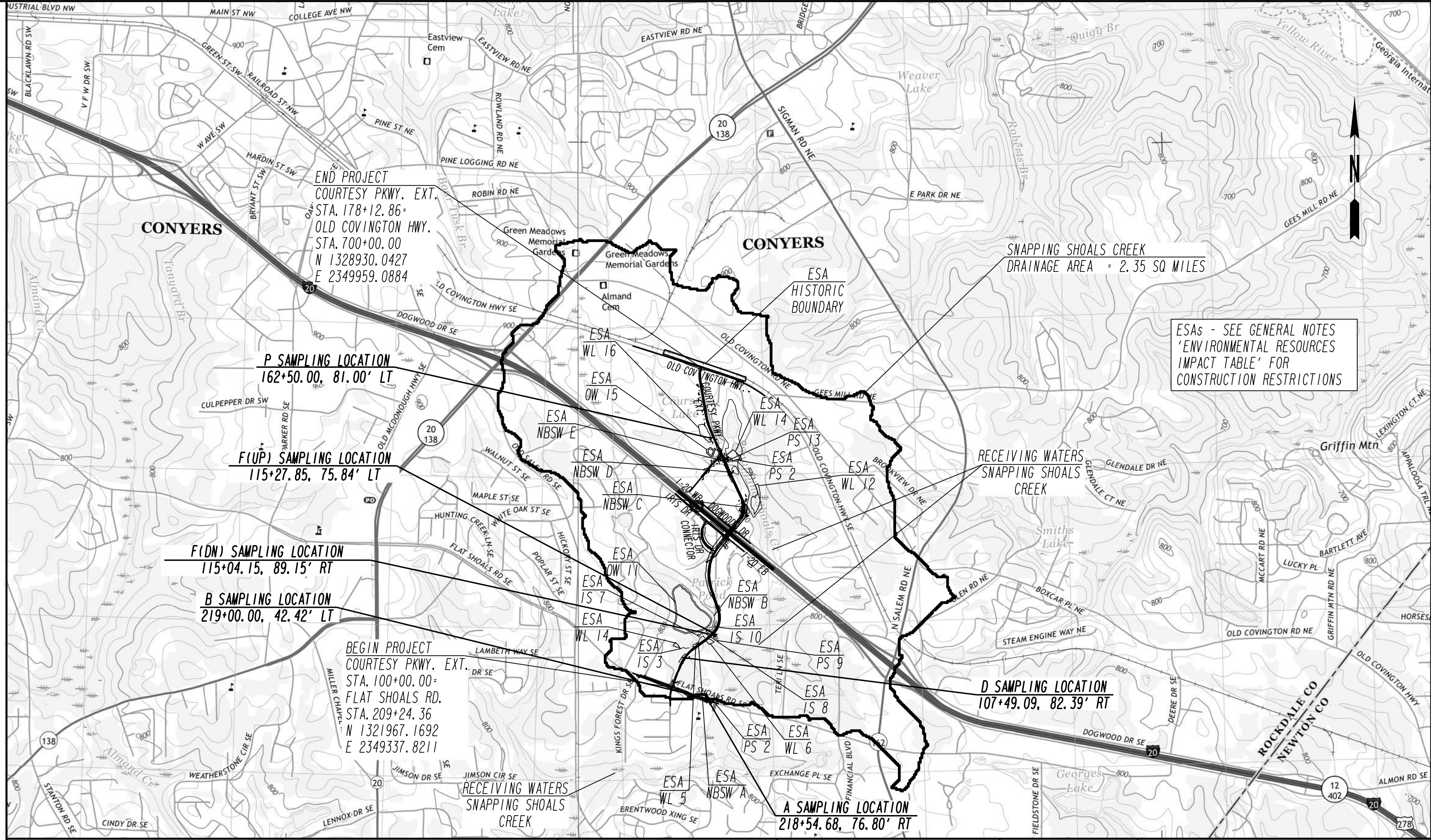
ATLAS
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REVISION DATES	

BMP LOCATION DETAILS
 IRIS DRIVE SE
 FINAL PHASE

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0093
CORRECTED:	DATE:	
VERIFIED:	DATE:	



ESAs - SEE GENERAL NOTES 'ENVIRONMENTAL RESOURCES IMPACT TABLE' FOR CONSTRUCTION RESTRICTIONS

SNAPPING SHOALS CREEK
DRAINAGE AREA = 2.35 SQ MILES

RECEIVING WATERS
SNAPPING SHOALS CREEK

END PROJECT
COURTESY PKWY. EXT.
STA. 178+12.86=
OLD COVINGTON HWY.
STA. 700+00.00
N 1328930.0427
E 2349959.0884

P SAMPLING LOCATION
162+50.00, 81.00' LT

F(UP) SAMPLING LOCATION
115+27.85, 75.84' LT

F(DN) SAMPLING LOCATION
115+04.15, 89.15' RT

B SAMPLING LOCATION
219+00.00, 42.42' LT

BEGIN PROJECT
COURTESY PKWY. EXT.
STA. 100+00.00=
FLAT SHOALS RD.
STA. 209+24.36
N 1321967.1692
E 2349337.8211

D SAMPLING LOCATION
107+49.09, 82.39' RT

A SAMPLING LOCATION
218+54.68, 76.80' RT

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945



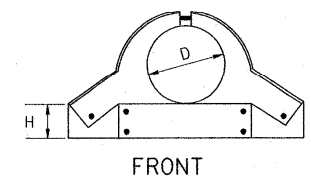
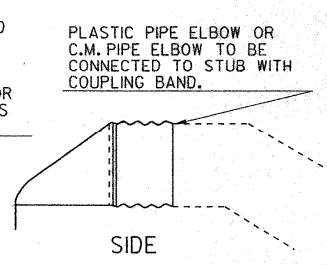
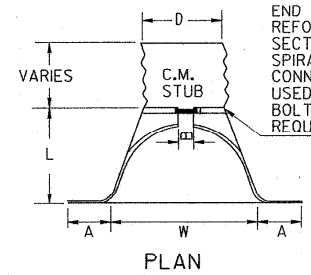
REVISION DATES

NO.	DATE	DESCRIPTION

WATERSHED MAP SITE MONITORING PLAN
COURTESY PARKWAY EXTENSION
ROCKDALE COUNTY

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	55-0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	

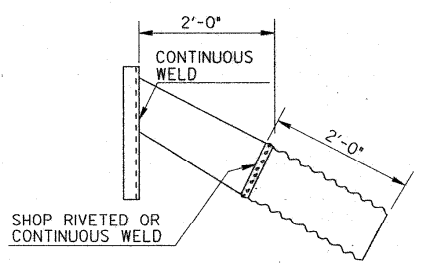
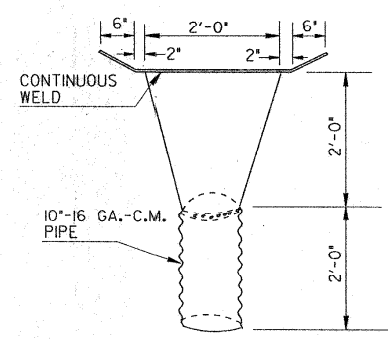
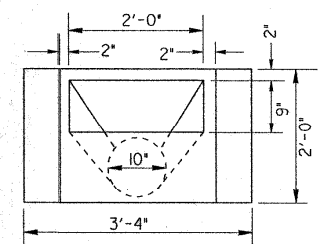
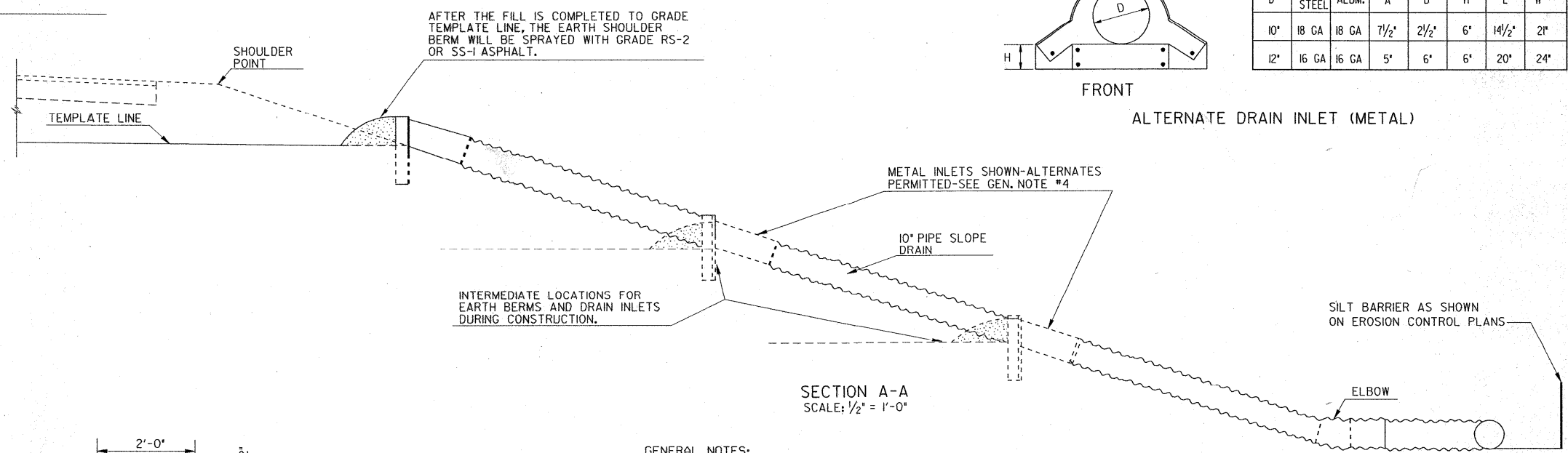
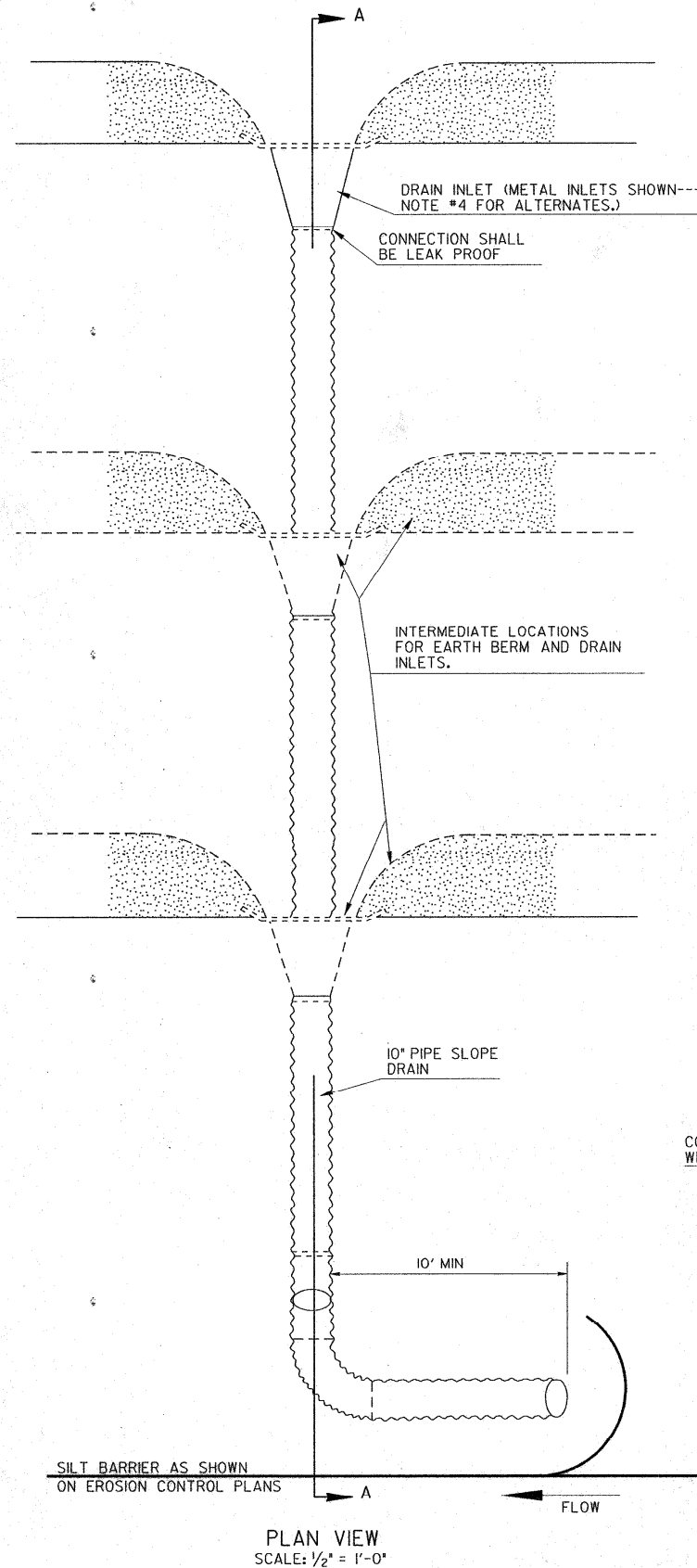
USES:
 TEMPORARY PIPE SLOPE DRAIN IS USED TO CARRY WATER FROM THE WORK AREA TO A LOWER ELEVATION. TYPICAL SPACING SHALL BE AT INTERVALS OF 500 FEET ON DIAMETER TO 2% GRADES, 200 FEET ON STEEPER GRADES, AND MORE FREQUENTLY AS DICTATED BY EXISTING FIELD CONDITIONS.



TYPICAL DIMENSIONS

D	GALV. STEEL	ALUM.	A	B	H	L	W
10"	18 GA	18 GA	7 1/2"	2 1/2"	6"	14 1/2"	21"
12"	16 GA	16 GA	5"	6"	6"	20"	24"

ALTERNATE DRAIN INLET (METAL)



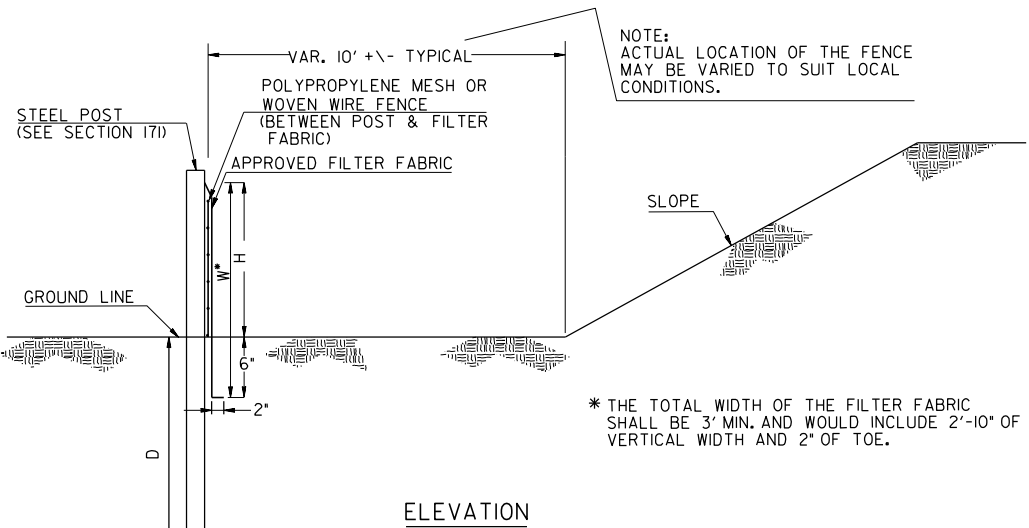
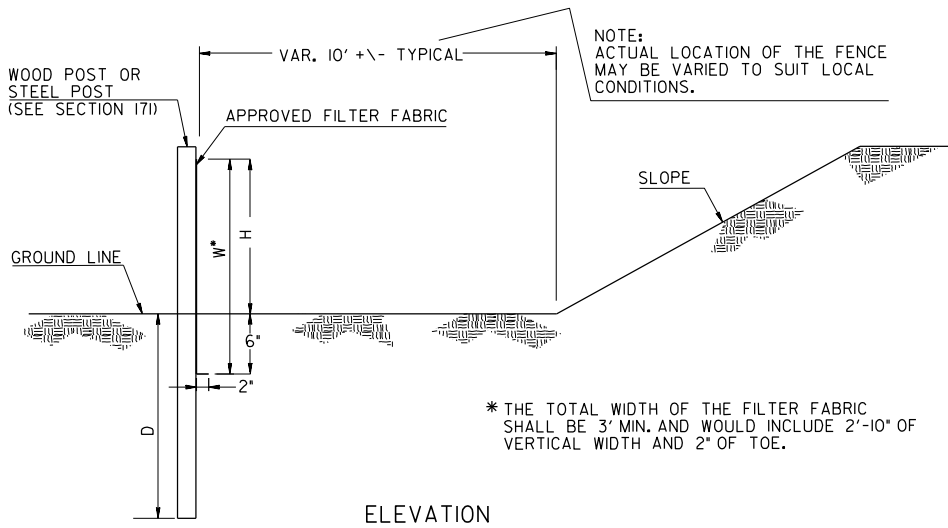
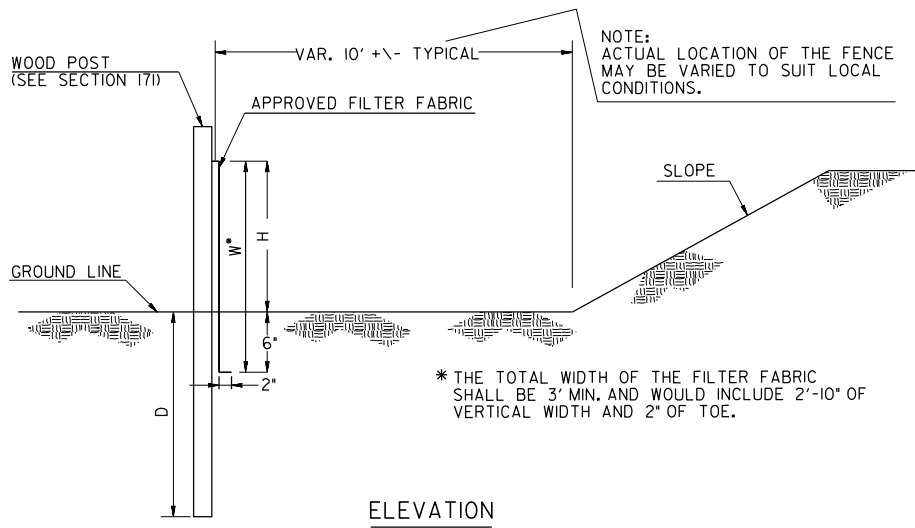
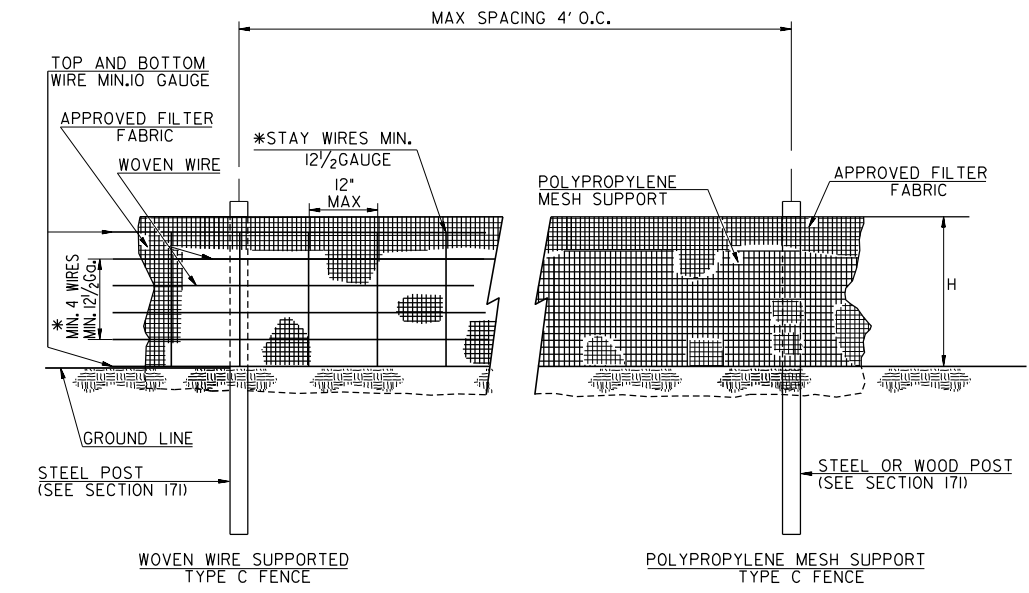
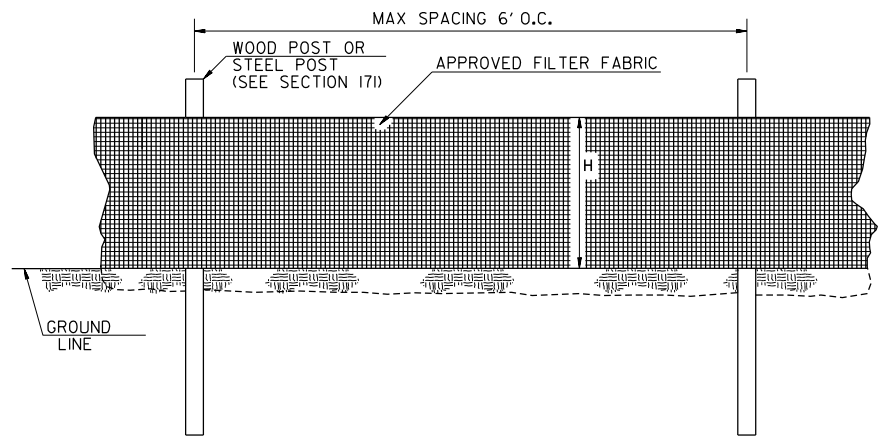
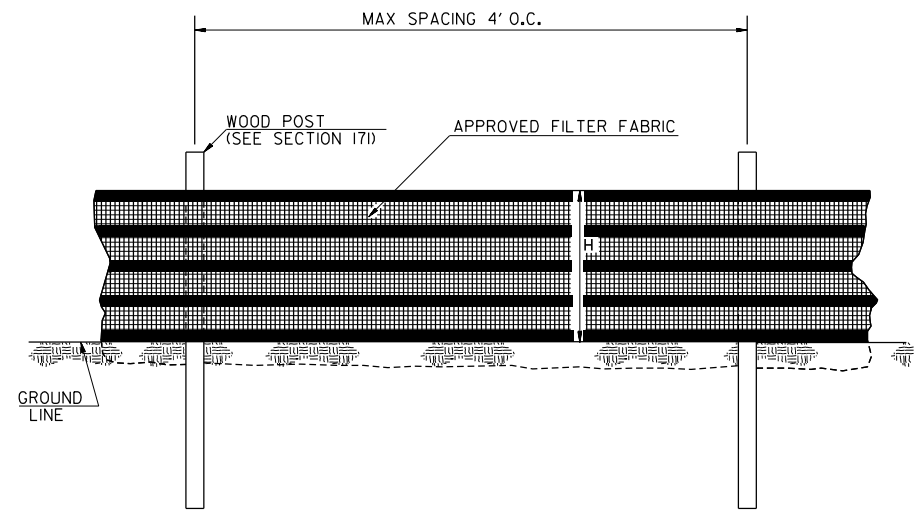
GENERAL NOTES:

1. DRAIN INLETS AND SLOPE DRAIN PIPE USED FOR TEMPORARY EROSION AND POLLUTION CONTROL UNDER SECTION 163 WILL BE RETAINED FOR USE AS INVENTORY ITEMS BY THE CONTRACTOR.
2. EROSION PROTECTION AT PIPE OUTLET WILL BE PROVIDED AS APPROPRIATE. THE PIPE MAY BE EXTENDED TO OUTLET IN A PAVED DITCH OR TEMPORARY DISSIPATORS CONSTRUCTED OF LOGS OR STONE MAY BE USED. NO SEPARATE PAYMENT WILL BE MADE FOR THIS PROTECTION MEASURE.
3. SLOPE DRAIN PIPE MAY BE ANY TYPE ALLOWED BY THE GA. STANDARD SPECIFICATIONS.
4. ALLOWABLE DRAIN INLET ALTERNATES WILL BE:
 - (A) IF SLOPE DRAIN IS PLASTIC, A PLASTIC DRAIN INLET OR PLASTIC FLARED END SECTION HAVING SIMILAR DESIGN TO METAL INLETS OR END SECTIONS MAY BE USED FOR THE DRAIN INLET.
 - (B) A METAL FLARED END SECTION MAY BE USED WITH EITHER PLASTIC PIPE OR C.M. PIPE, IF THE END SECTION WAS MADE FOR LARGER PIPE THAN THE SLOPE DRAIN PIPE, AN APPROVED MODIFIED CONNECTION WILL BE REQUIRED BETWEEN THE PIPE AND THE END SECTION.
 - (C) A SUMP HOLE WITH DIMENSIONS AT LEAST EQUIVALENT TO THE METAL DRAIN AND LINED WITH POLYETHYLENE OR OTHER MATERIAL AS APPROVED BY THE ENGINEER MAY BE USED WITH ANY TYPE OF PIPE.
 - (D) THE METAL DRAIN INLET SHOWN MAY BE USED WITH EITHER 10" C.M. PIPE OR PLASTIC PIPE.
5. THE CONTRACTOR MAY ELECT TO USE PIPE LARGER THAN 10" DIAMETER WITH NO ADDITIONAL PAYMENT.

**CONSTRUCTION DETAILS
 TEMPORARY PIPE SLOPE DRAIN
 WITH DRAIN INLET**

DATE	2-25-00
REVISION	ADDED ELBOW
BY	

SCALE AS SHOWN



SINGLE ROW TYPE C SILT FENCE WITH HIGH TENSILE POLYPROPYLENE INTEGRATED SUPPORT WOVEN FABRIC

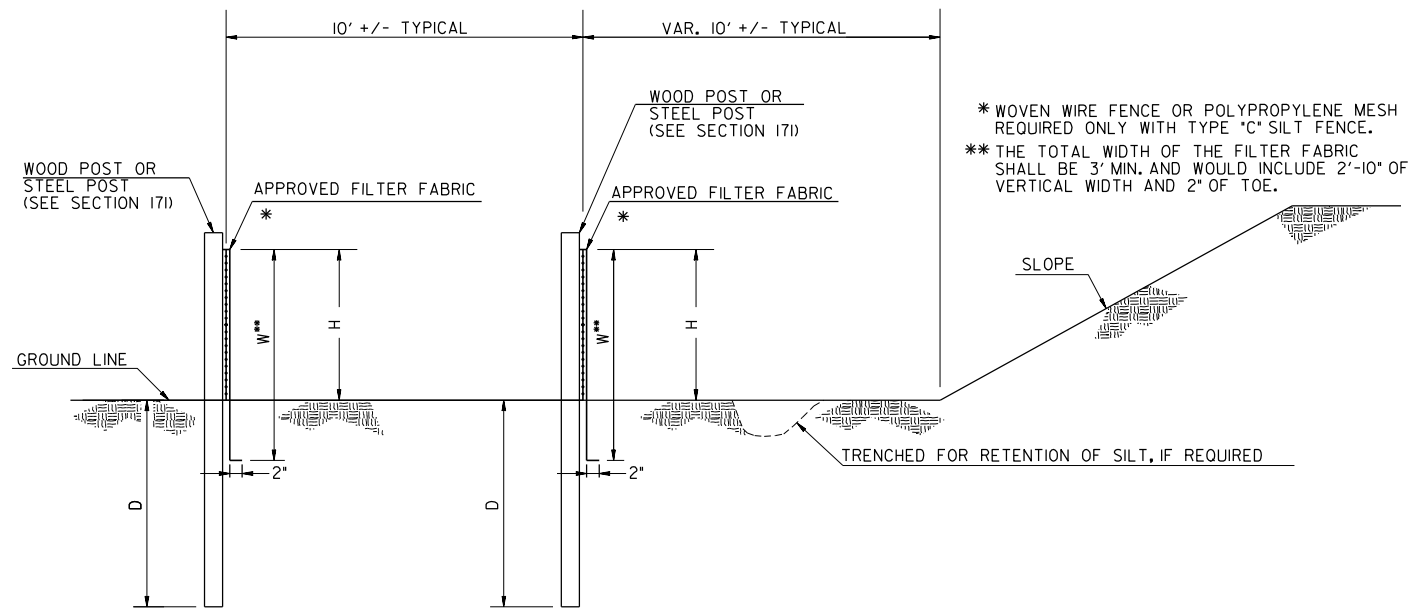
SINGLE ROW TYPE A SILT FENCE

SINGLE ROW TYPE C SILT FENCE WITH WOVEN WIRE SUPPORT OR POLYPROPYLENE MESH SUPPORT

FENCE TYPE	POST LENGTH	H	D	W*	TYPICAL USES
TYPE "A"	4 FT.	2'-4"	1'-6"	3'-0"	
TYPE "C"	4 FT.	2'-4"	1'-6"	3'-0"	AT BRIDGE END ROLLS, DOUBLE ROW ALONG STREAMS, WETLANDS AND ENVIRONMENTALLY SENSITIVE AREAS FOR USE OF THIS MATERIAL IN FABRIC CHECKDAMS SEE D-24D.

- NOTES:
- WIRE STAPLES SHALL BE AT LEAST 17 GAUGE, WITH LEGS AT LEAST 1/2 INCHES LONG AND A CROWN AT LEAST 3/4 INCHES WIDE. NAILS SHALL BE AT LEAST 14 GAUGE, 1 INCH LONG, WITH BUTTON HEADS AT LEAST 3/4 INCHES WIDE.
 - SEE SECTION 171 FOR PLACEMENT OF NAILS OR STAPLES FOR TYPE A AND TYPE C FENCES.
 - THE VERTICAL WIRES FOR THE WOVEN WIRE SUPPORT FENCE SHALL HAVE A MAXIMUM SPACING OF 12 INCHES. THE TOP AND BOTTOM WIRES SHALL BE AT LEAST 10 GAUGE AND ALL OTHER WIRES SHALL BE AT LEAST 12 1/2 GAUGE.
 - TEMPORARY SILT FENCE INSTALLATION IS DIFFERENT THAN THE SILT RETENTION BARRIER INSTALLATION.
 - SEE SECTION 171 FOR SILT FENCE SPECIFICATIONS.
 - SEE SECTION 894 FOR FENCING SPECIFICATIONS.
 - SEE OPL-36 FOR A LIST OF APPROVED SILT FENCE FABRIC.
 - TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS UNLESS PERMITTED.

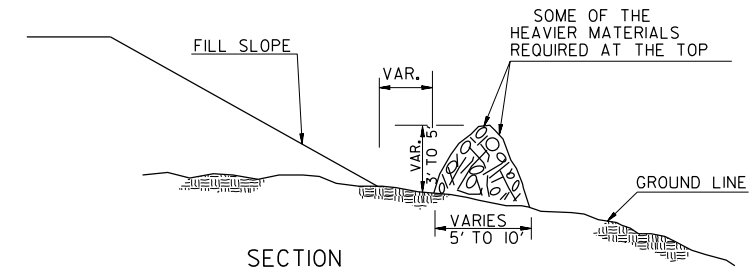
DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
CONSTRUCTION DETAIL	
TEMPORARY SILT FENCE	
AL ADDED HIGH TENSILE POLYPROPYLENE INTEGRATED FABRIC 09-2022 BY	DATE REVISION JANUARY 2011 NO SCALE
NUMBER D-24A 1 OF 4	



ELEVATION
DOUBLE ROW SILT FENCE

FENCE TYPE	POST LENGTH	H	D	W**	TYPICAL USES
TYPE "A"	4 FT.	2'-4"	1'-6"	3'-0"	
TYPE "C"	4 FT.	2'-4"	1'-6"	3'-0"	AT BRIDGE END ROLLS, DOUBLE ROW ALONG STREAMS, WETLANDS AND ENVIRONMENTALLY SENSITIVE AREAS FOR USE OF THIS MATERIAL IN FABRIC CHECKDAMS SEE D-24D.

* WOVEN WIRE FENCE OR POLYPROPYLENE MESH REQUIRED ONLY WITH TYPE "C" SILT FENCE.
 ** THE TOTAL WIDTH OF THE FILTER FABRIC SHALL BE 3' MIN. AND WOULD INCLUDE 2'-10" OF VERTICAL WIDTH AND 2" OF TOE.



SECTION

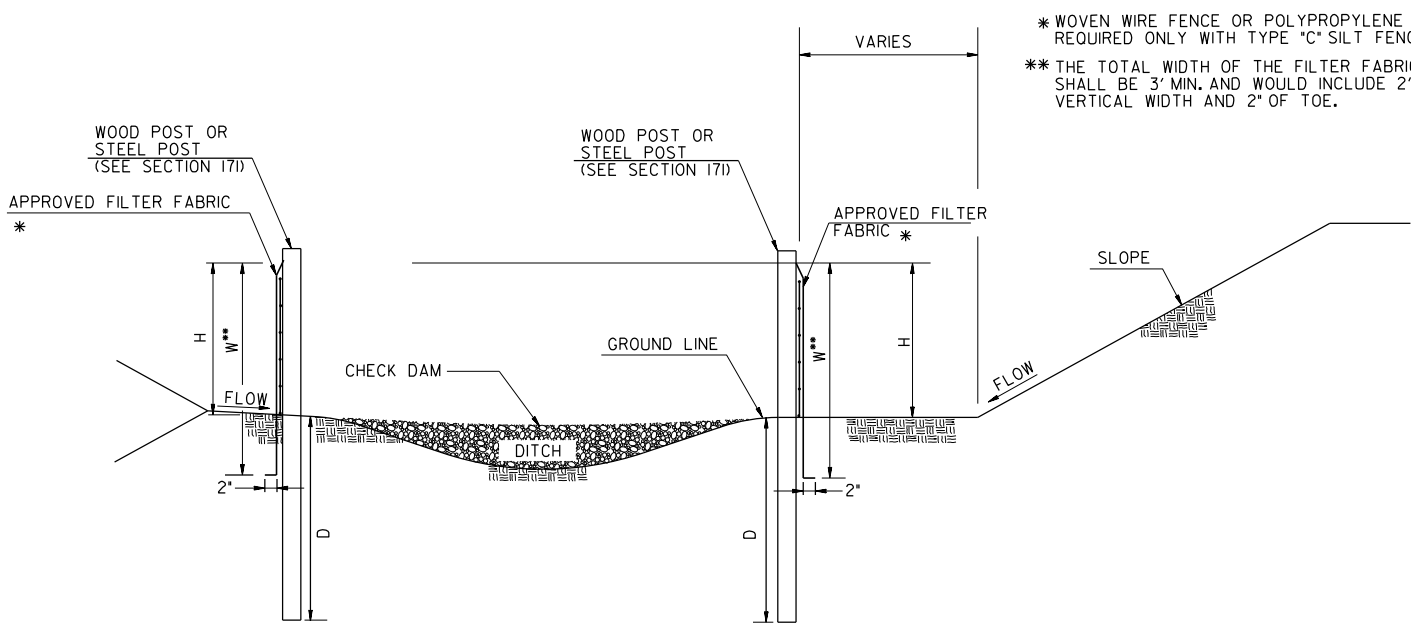
NOTE: INTERMINGLE BRUSH, LOGS, ETC. SO AS NOT TO FORM A SOLID DAM.



FRONT VIEW

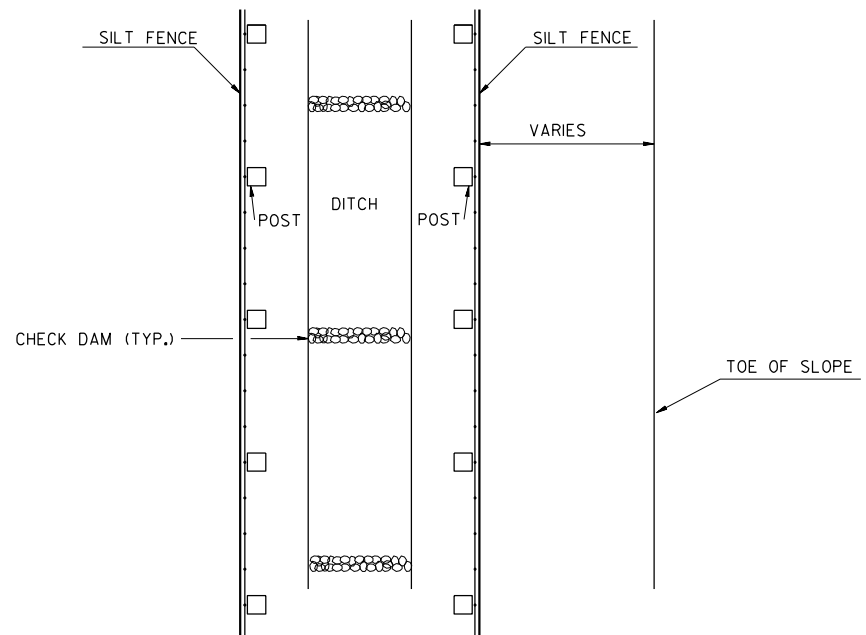
NOTE: BRUSH BARRIER(S) WILL BE INCLUDED IN PAYMENT FOR CLEARING & GRUBBING.

BRUSH BARRIER DETAILS
(FOR USE IN RURAL AREAS)



ELEVATION

* WOVEN WIRE FENCE OR POLYPROPYLENE MESH REQUIRED ONLY WITH TYPE "C" SILT FENCE.
 ** THE TOTAL WIDTH OF THE FILTER FABRIC SHALL BE 3' MIN. AND WOULD INCLUDE 2'-10" OF VERTICAL WIDTH AND 2" OF TOE.



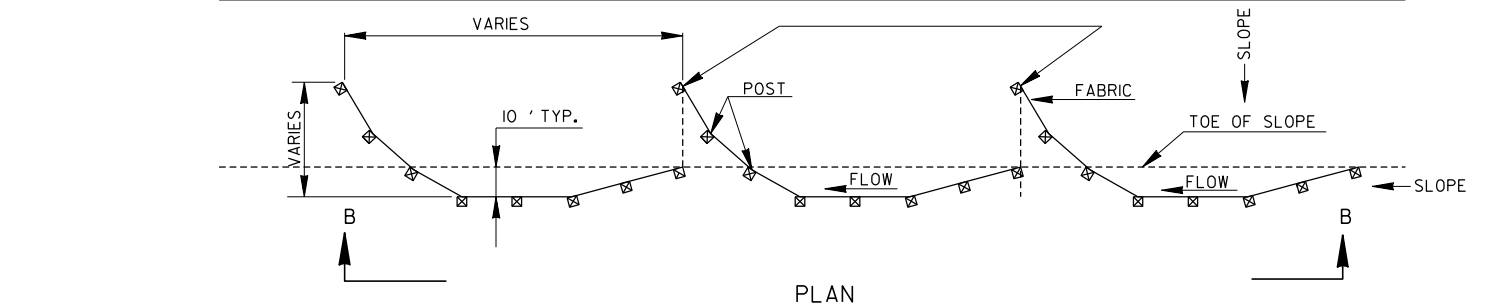
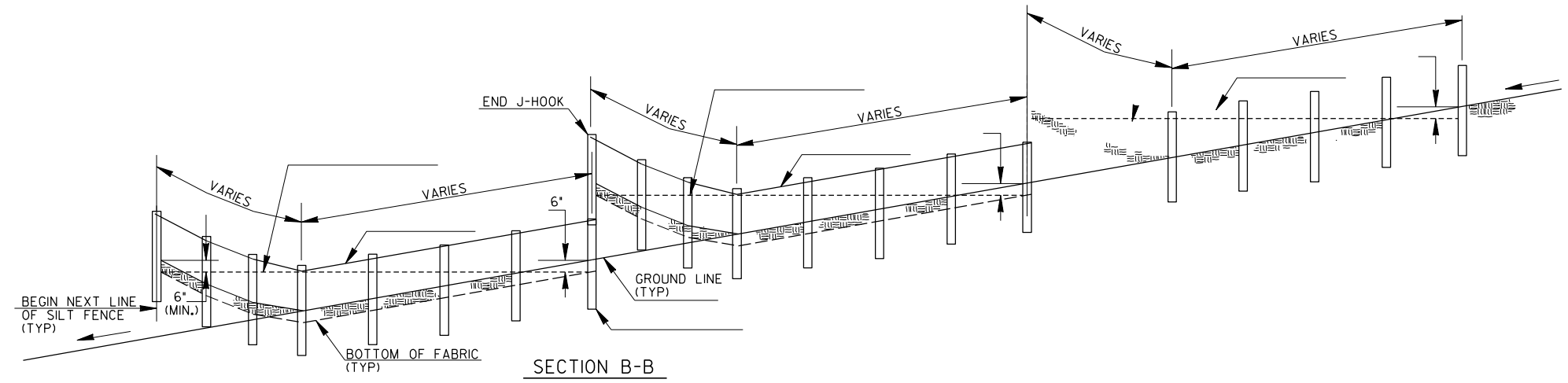
PLAN

NOTE: TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS UNLESS PERMITTED.

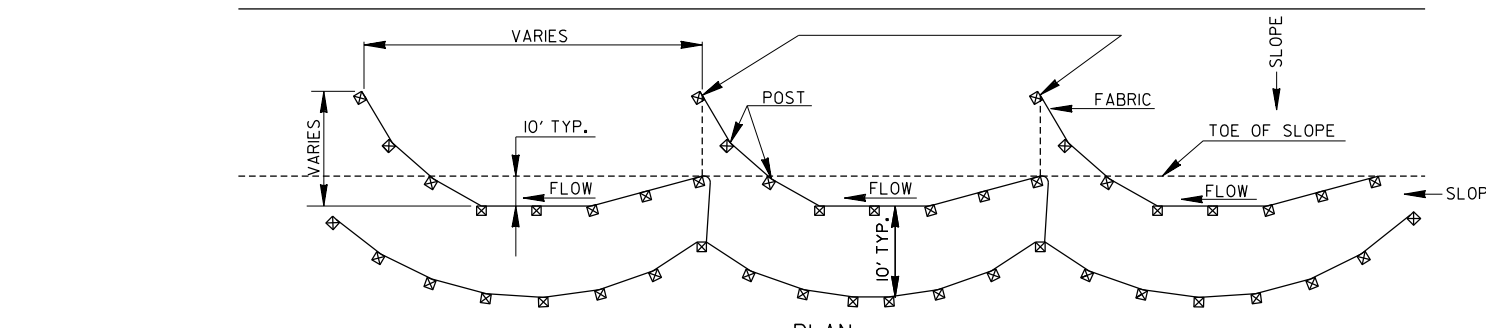
FENCE TYPE	POST LENGTH	H	D	W**	TYPICAL USES
TYPE "A"	4 FT.	2'-4"	1'-6"	3'-0"	
TYPE "C"	4 FT.	2'-4"	1'-6"	3'-0"	AT BRIDGE END ROLLS, DOUBLE ROW ALONG STREAMS, WETLANDS AND ENVIRONMENTALLY SENSITIVE AREAS FOR USE OF THIS MATERIAL IN FABRIC CHECKDAMS SEE D-24D.

SILT FENCE
PERIMETER INSTALLATION ALONG DITCH SECTION

09-2022		DATE		DEPARTMENT OF TRANSPORTATION	
				STATE OF GEORGIA	
FABRIC WIDTH CLARIFICATION		REVISION		CONSTRUCTION DETAILS	
				TEMPORARY SILT FENCE	
				BERM DITCH, INSTALLATION, BRUSH BARRIER	
BAS		BY		REV. AND REDRAWN JAN. 2011	
				NO SCALE	
				NUMBER	
				D-24B	
				(SHEET 2 OF 4)	



PLAN
SINGLE ROW SILT FENCE

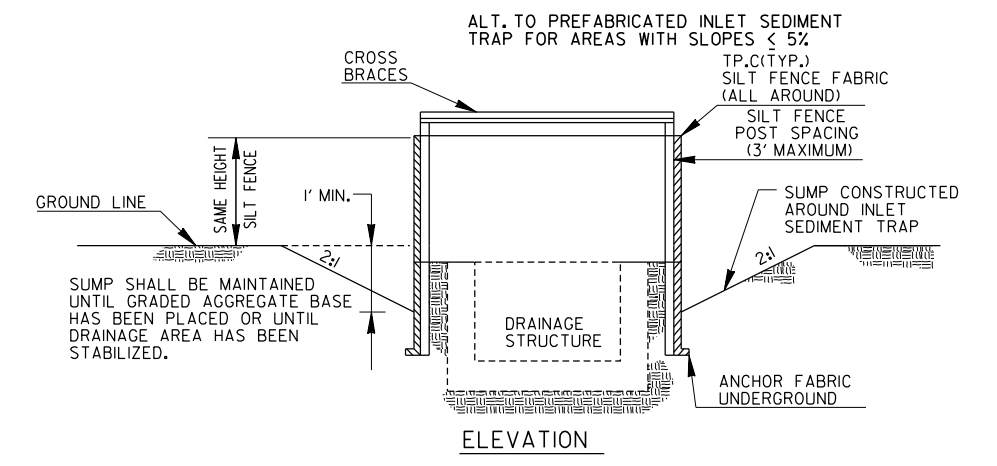


PLAN
DOUBLE ROW SILT FENCE

TYPICAL J HOOK SPACING		
SLOPE PERCENT	TYPE OF SILT FENCE	MINIMUM SPACING (FEET)
1% TO 2%	TYPE A OR TYPE C	100' ±
2% TO 3%	TYPE A OR TYPE C	50' ±
3% TO 4%	TYPE C	50' ±
4% TO 5%	TYPE C	25' ±

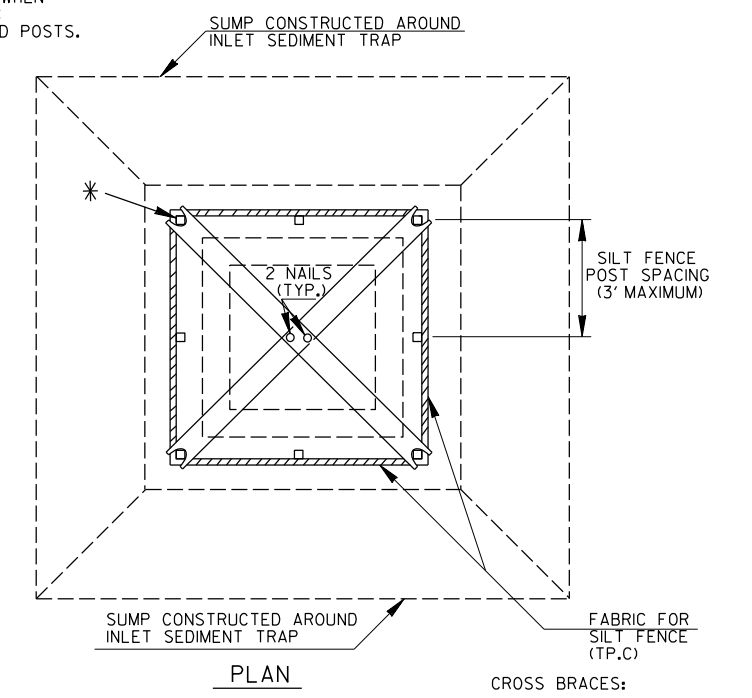
- NOTE:
- IF THE GRADE IS BETWEEN 0 TO 1 PERCENT, THE SILT FENCE SHALL BE PLACED ACROSS THE DITCH.
 - TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS UNLESS PERMITTED.

TYPICAL LOCATION AROUND DROP INLETS



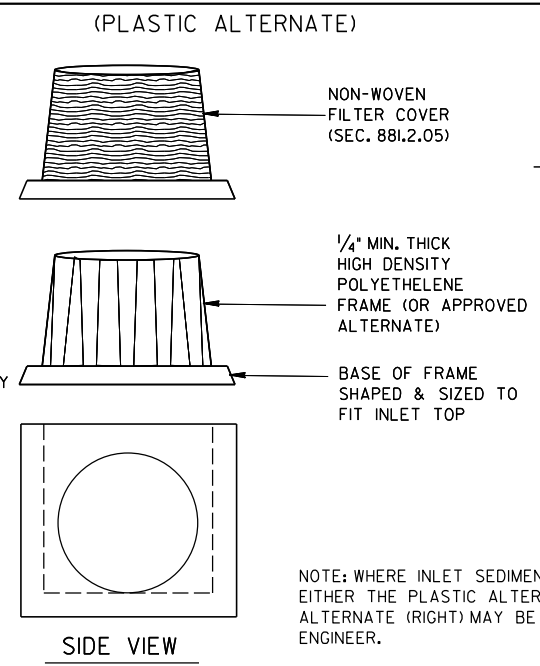
ELEVATION

* CROSS BRACING REQUIRED WHEN USING 'ALTERNATE' TYPE C PRODUCTS WHICH USE WOOD POSTS.

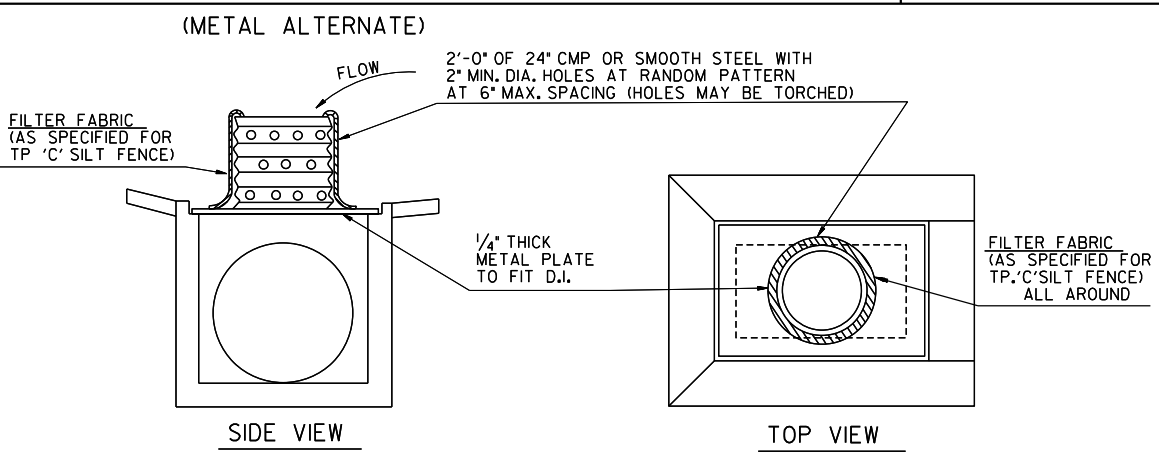


PLAN

- NOTE: THE DRAINAGE AREA ENTERING THE INLET SEDIMENT TRAP SHALL BE NO GREATER THAN ONE ACRE.
- TYPICAL CONSTRUCTION SEQUENCE FOR INLET SEDIMENT TRAP ALTERNATE
- EXCAVATE APPROXIMATELY 4" TO 6" BELOW THE TOP OF THE INLET STRUCTURE.
 - PLACE THE FRAME ONTO THE INLET STRUCTURE, ENSURING PROPER SEATING OF FRAME TO STRUCTURE.
 - SLIDE THE FILTER OVER THE FRAME.
 - FILL THE FILTER POCKETS WITH SOIL, #57 GRAVEL OR EQUIVALENT. THE FILTER POCKETS SHOULD BE COMPLETELY FILLED TO ENSURE A GOOD SEAL BETWEEN THE GROUND AND INLET STRUCTURE.
 - BACK FILL AROUND THE FRAME AND FILTER ASSEMBLY IS NOT REQUIRED TO COMPLETE INSTALLATION; HOWEVER, BACK FILLING MAY BE NECESSARY TO COMPLETE EXCAVATION REQUIREMENTS FOR THE SITE.
- NOTE: INLET SEDIMENT TRAP ALTERNATE SHALL BE AS APPROVED BY THE GA. D.O.T. OFFICE OF MATERIALS & RESEARCH. DETAILS & SPECIFICATIONS NOT SHOWN ARE PER THE MANUFACTURER'S REQUIREMENTS.



SIDE VIEW



SIDE VIEW

TOP VIEW

NOTE: INLET SEDIMENT TRAP AND INLET TO BE BUILT CONTINUOUS WITH PIPE

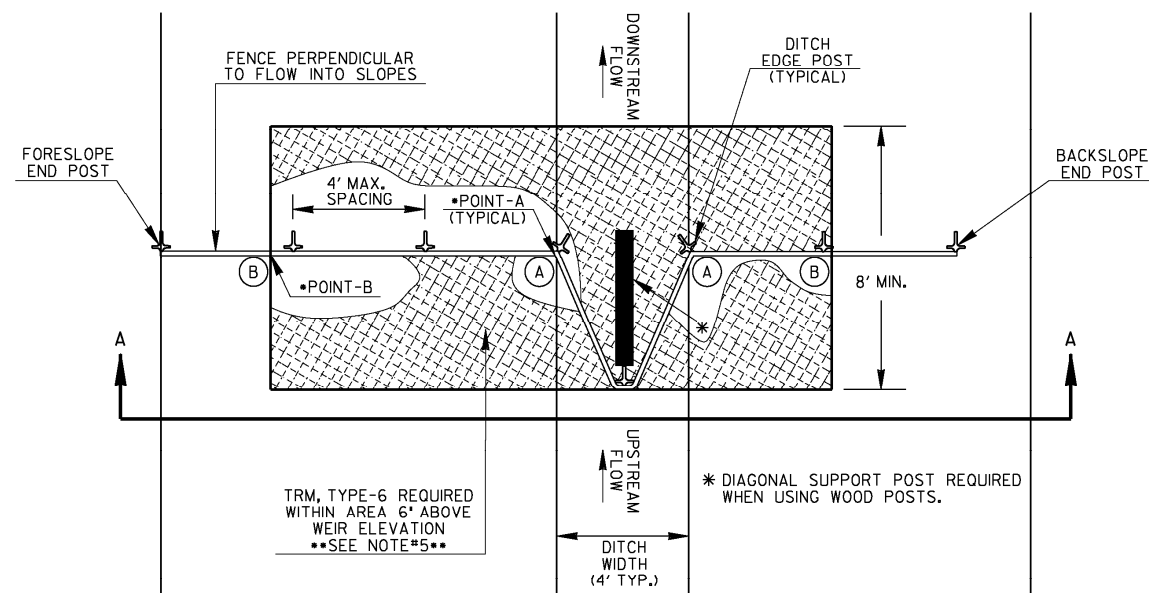
NOTE: SEE SEPARATE DETAILS FOR SILT FENCE AROUND DROP INLETS.

NOTE: PAYMENT AS INLET SEDIMENT TRAP PER EACH

INLET SEDIMENT TRAP - FOR DROP INLETS

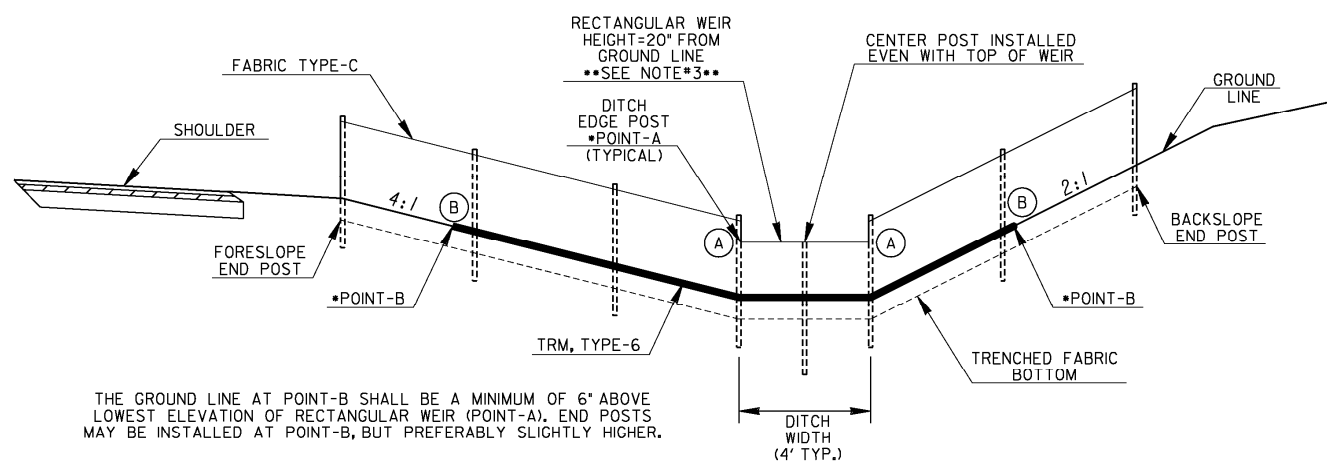
- NOTE: PAYMENT AS INLET SEDIMENT TRAP PER EACH.
- NOTE: SEE SEPARATE SHEET ENTITLED 'TEMPORARY SILT FENCE DETAILS' FOR SILT FENCE ERECTION DETAILS.

09-2022		DATE	
PLACEMENT CLARIFICATION		REVISION	
DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA			
CONSTRUCTION DETAILS TEMPORARY SILT FENCE J-HOOK, INLET SEDIMENT TRAPS			
BAS	BY	JANUARY 2011 NO SCALE	NUMBER D-24C (SHEET 3 OF 4)



PLAN VIEW

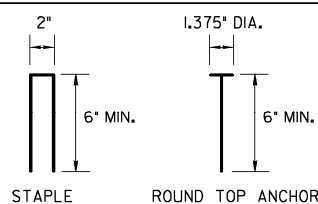
GRADE OF DITCH	MINIMUM SPACING (FEET)
LESS THAN 1%	100' ±
1% TO 3%	75' ±
3% TO 6%	50' ±
6% TO 8%	25' ±



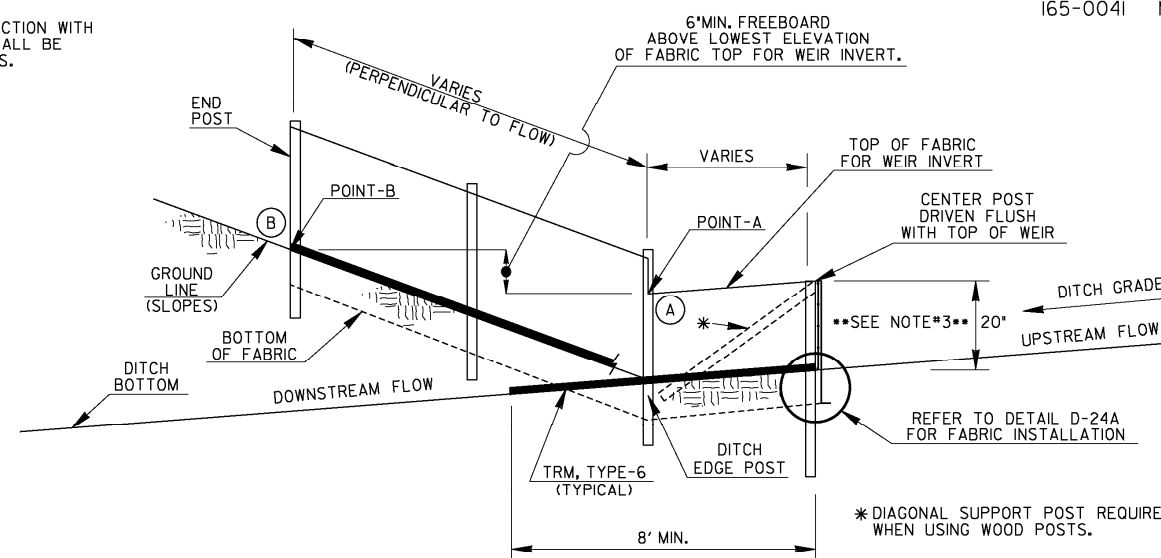
SECTION A-A

NOTE: CROSS-SECTION SHOWN IS AN EXAMPLE OF A TYPICAL CUT SECTION WITH A 4-FT FLAT BOTTOM DITCH. ACTUAL FABRIC CHECK DAMS SHALL BE INSTALLED SIMILARLY ACCORDING TO ROADWAY CROSS-SECTIONS.

TURF REINFORCEMENT MATTING ANCHOR



NOTE: TURF REINFORCEMENT MATTING SHALL BE ANCHORED WITH 8-GAUGE METAL STAPLES OR ROUND TOP ANCHORS. ANCHORS SHALL BE LONG ENOUGH TO PROVIDE SUFFICIENT GROUND PENETRATION TO RESIST PULL OUT.



NOTES:

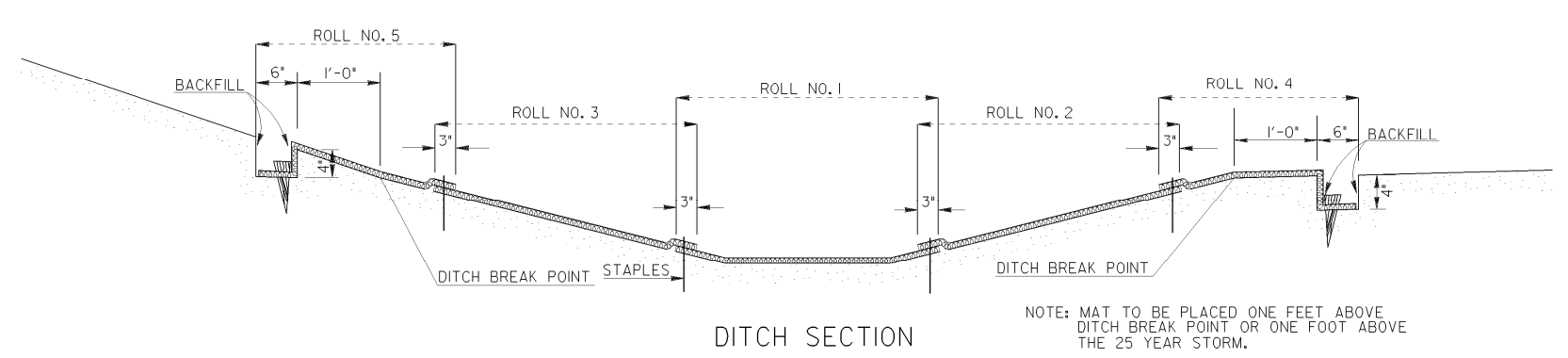
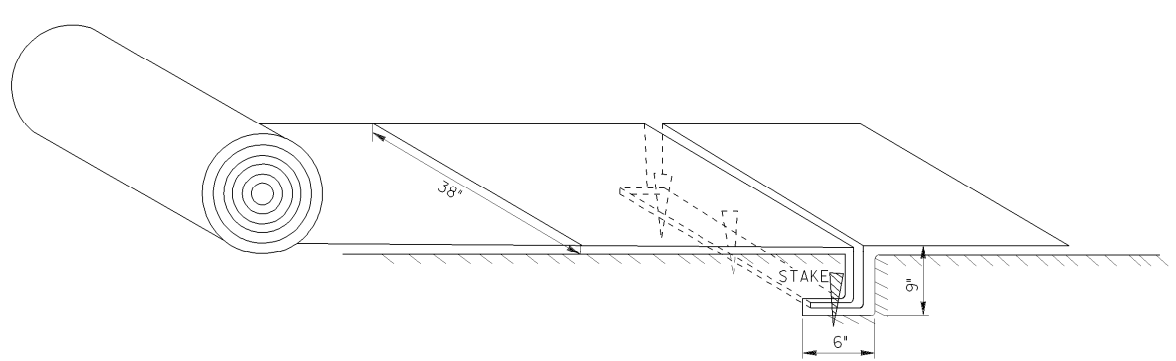
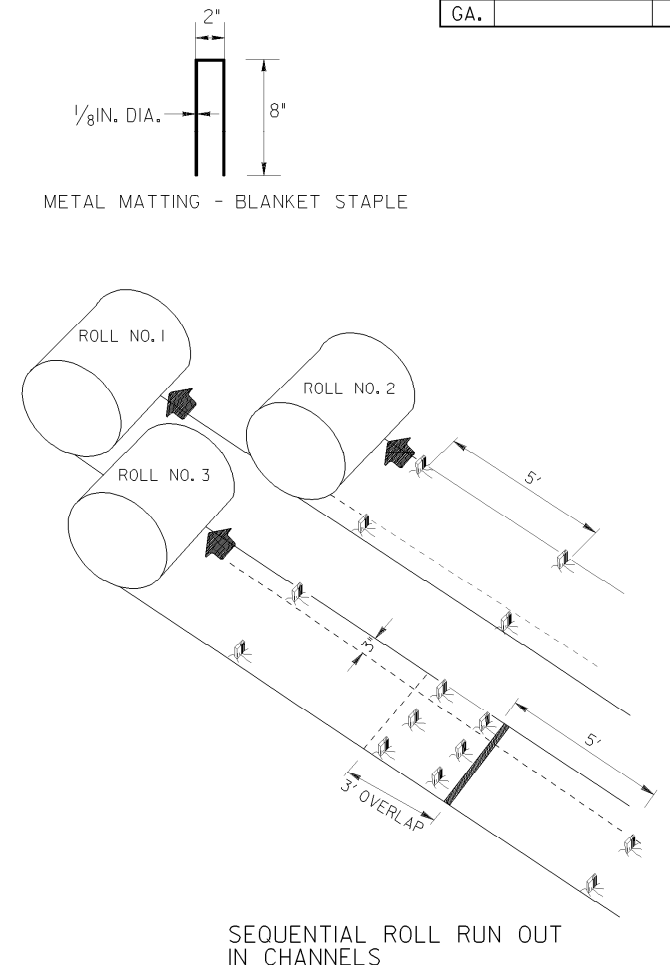
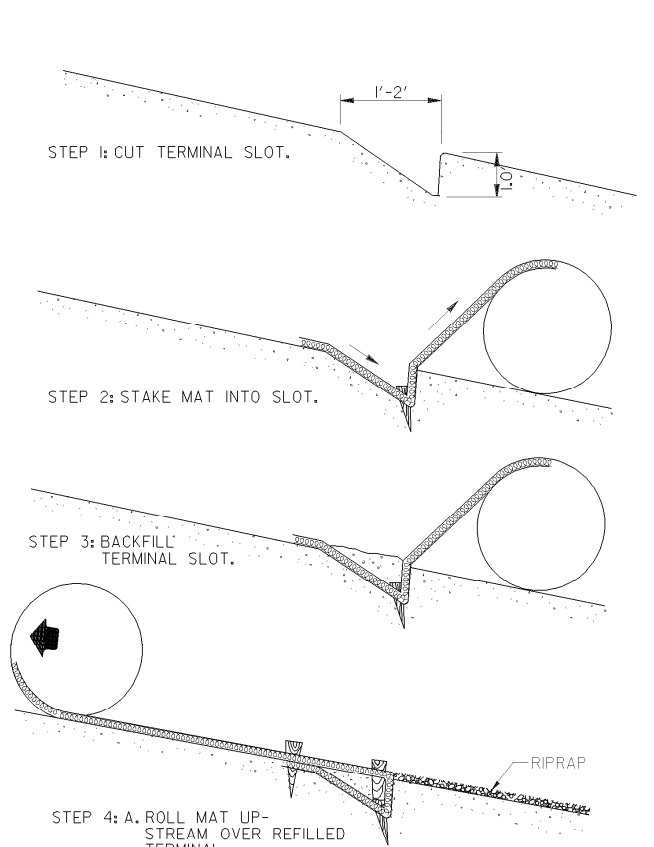
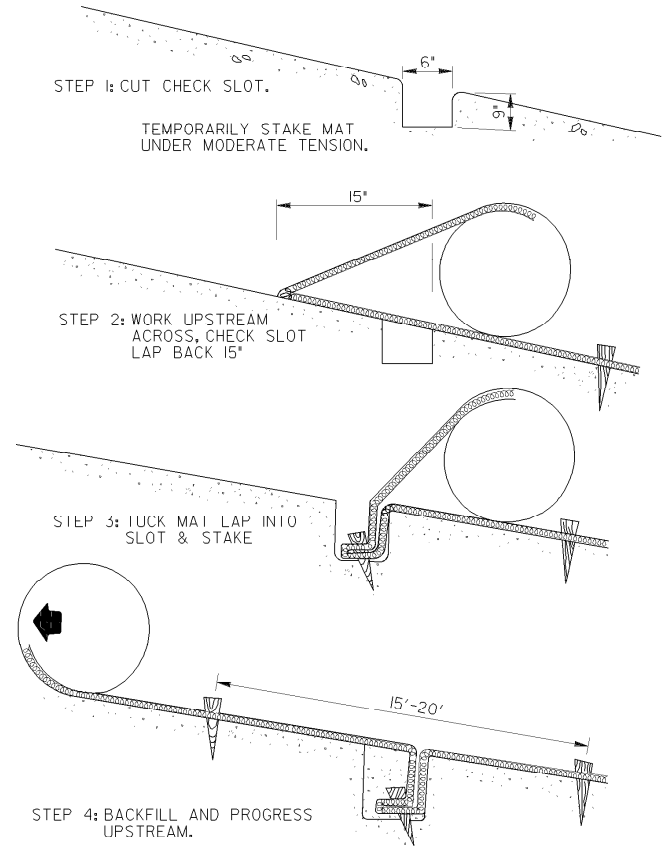
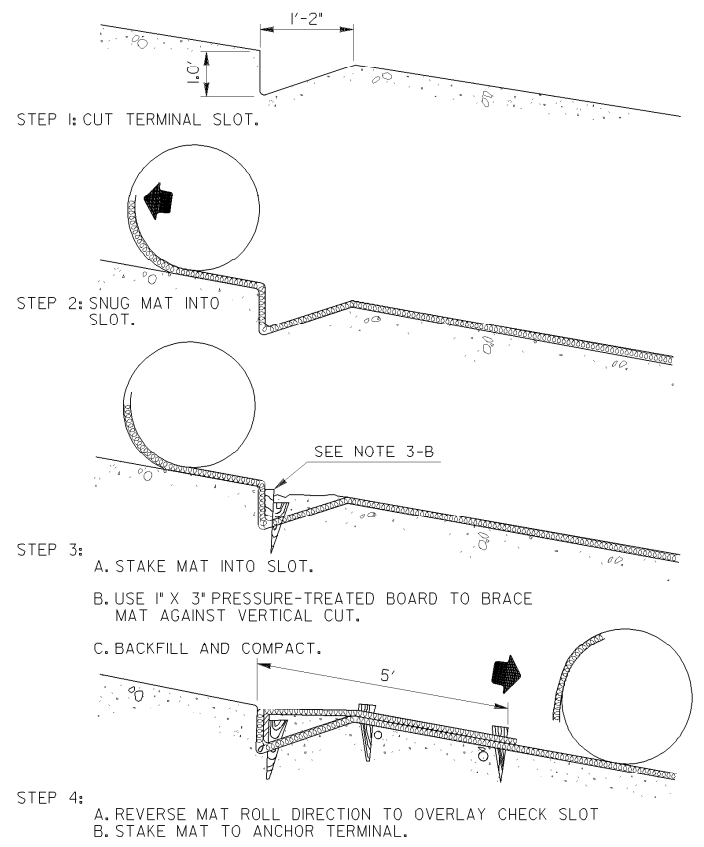
- FABRIC CHECK DAMS MAY BE USED FOR FLOWS UP TO 2.0-CFS. A ROCK FILTER DAM SHALL BE USED AT THE DOWNSLOPE POINT FOR FLOWS GREATER THAN 2.0-CFS.
- FABRIC CHECK DAMS SHALL NOT BE PLACED WITHIN FLOWING STATE WATERS.
- FABRIC CHECK DAMS MAY BE USED IN DITCHES WITH DEPTHS AT LEAST 26-IN. IF DITCH DEPTH IS LESS THAN 26-IN, THE WEIR INVERT MAY BE LOWERED SLIGHTLY IN THE FIELD TO PROVIDE 6-IN MINIMUM FREEBOARD ABOVE POINT-A OR TO MATCH SPACING OF WIRE SUPPORT. THE WEIR HEIGHT SHALL BE NO LESS THAN 15-IN. THE DESIGNER SHALL CONSIDER OTHER APPROPRIATE BMPs FOR CONCENTRATED FLOW FOR DITCH DEPTHS LESS THAN 26-IN.
- THE FOLLOWING STEPS ARE RECOMMENDED FOR PROPER FABRIC CHECK DAM INSTALLATION:
 - DETERMINE DITCH CENTERLINE AND USE A LINE LEVEL OR OTHER MEANS TO FIND POINT-B WITHIN THE DITCH FORESLOPE AND BACKSLOPE TO PROVIDE 6-IN MINIMUM FREEBOARD ABOVE POINT-A.
 - CREATE TRENCH 6-IN BELOW DITCH GRADE TO FIT LAYOUT FROM STEP-A WITH MINIMAL SOIL DISTURBANCE.
 - LAYOUT TURF REINFORCEMENT MATTING (TRM), TYPE-6 TO PROVIDE PROTECTION A MINIMUM LENGTH OF 8-FT DOWNSLOPE OF CENTER POST TO FUNCTION AS A SPLASH PAD TO PREVENT SCOURING. ADDITIONAL NECESSARY TRM SHALL BE OVERLAPPED 3-FT. THE WIDTH SHALL BE THE DISTANCE BETWEEN POINT-B ON THE DITCH FORESLOPE AND POINT-B ON BACKSLOPE.
 - INSTALL FENCE POSTS THROUGH TRM WITHIN TRENCH. CENTER POST AND POSTS WITHIN WEIR AREA SHALL BE INSTALLED FLUSH WITH WEIR. CUT TRM WITHIN TRENCH FOLLOWING CHECK DAM LAYOUT AND SAVE UPSTREAM PORTION OF TRM FOR FURTHER USE.
 - PROPERLY INSTALL TYPE-C SILT FENCE. TRENCH BACKFILL SHALL BE COMPACTED WITH A HAND TAMPER, JUMPING JACK COMPACTOR, OR PLATE COMPACTOR TO PREVENT UNDERMINING.
 - INSTALL PREVIOUSLY CUT TRM FROM STEP-D UPSTREAM AGAINST CHECK DAM. INSTALLING UPSTREAM AND DOWNSLOPE TRM ACCORDING TO DETAIL D-35 FOR THIS TEMPORARY APPLICATION IS NOT REQUIRED. HOWEVER, TRM SHALL HAVE PROPER CONTACT WITH GROUND SURFACE, ANCHORED 6-IN MAXIMUM SPACING ALONG THE EDGES, AND ADEQUATELY WITHIN THE MATTED AREA.
- TEMPORARY INSTALLATION OF TRM WITH FABRIC CHECK DAMS SHALL BE INCLUDED IN THE LINEAR COST OF THE CONSTRUCTION, REMOVAL, AND MAINTENANCE OF EACH FABRIC CHECK DAM. NO ADDITIONAL PAYMENT WILL BE MADE.

PAY ITEMS:

- 163-0528 CONSTRUCT & REMOVE FABRIC CHECK DAM, TYPE-C SILT FENCE (LF)
- 165-0041 MAINTENANCE OF CHECK DAMS - ALL TYPES (LF)

DATE		DEPARTMENT OF TRANSPORTATION	
		STATE OF GEORGIA	
REVISION		CONSTRUCTION DETAILS	
		TEMPORARY SILT FENCE	
		FABRIC CHECK DAM	
BY		NO SCALE	REV. AND REDRAWN, JULY 2015
		NUMBER	
		D-24D	
		(SHEET 4 OF 4)	

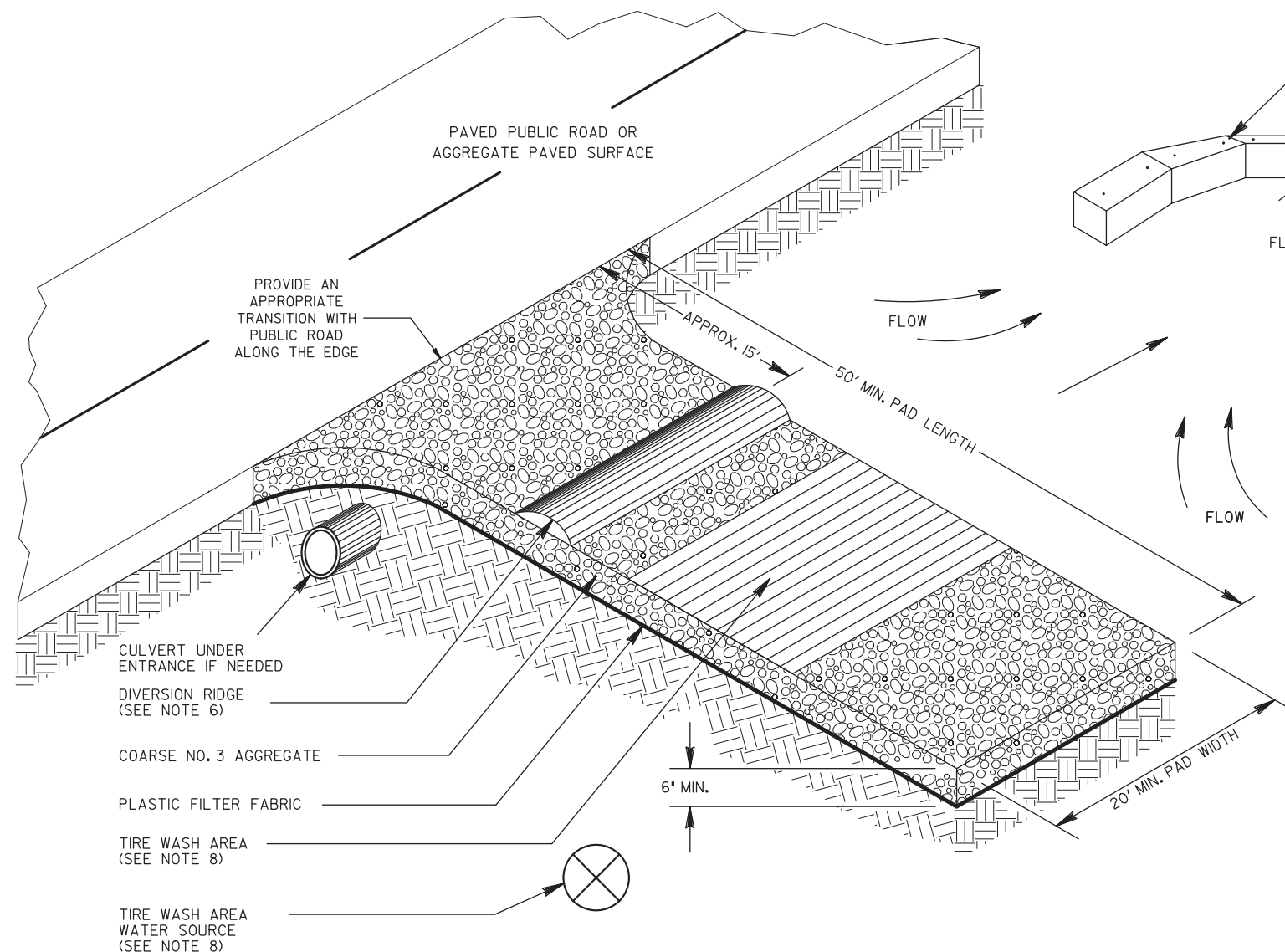
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



NOTE: MAT TO BE PLACED ONE FEET ABOVE DITCH BREAK POINT OR ONE FOOT ABOVE THE 25 YEAR STORM.

- GENERAL NOTES**
1. INSTALLATION TO BE DONE AS PER MANUFACTURER'S RECOMMENDATIONS.
 2. START AT DOWNSTREAM TERMINAL AND PROGRESS UPSTREAM.
 3. FIRST ROLL IS CENTERED LONGITUDINALLY IN MID CHANNEL AND PINNED WITH TEMPORARY STAKES TO MAINTAIN ALIGNMENT.
 4. SUBSEQUENT ROLLS FOLLOW IN STAGGERED SEQUENCE BEHIND FIRST ROLL. USE CENTER ROLL FOR ALIGNMENT TO CHANNEL CENTER.
 5. WORK OUTWARDS FROM CHANNEL CENTER TO EDGE.
 6. USE 3' OVERLAP AND STAKE AT 5' INTERVAL ALONG SEAMS.
 7. USE 3' OVERLAPS AND SHINGLE DOWNSTREAM TO CONNECT LINING AT ROLL ENDS.
 8. METAL STAPLES MAY BE USED IN LIEU OF WOODEN STAKES.

REVISED SHEET LAYOUT & AIDED DITCH SECTION, ADDED METAL STAPLE.		DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA
T.P.C.	BY	DESIGNED DRAWN TRACED CHECKED	CONSTRUCTION DETAILS PERMANENT SOIL REINFORCING MAT (TURF REINFORCING MATS) INSTALLATION ON DITCHES
		NO SCALE	AUGUST 1988
			NUMBER D-35



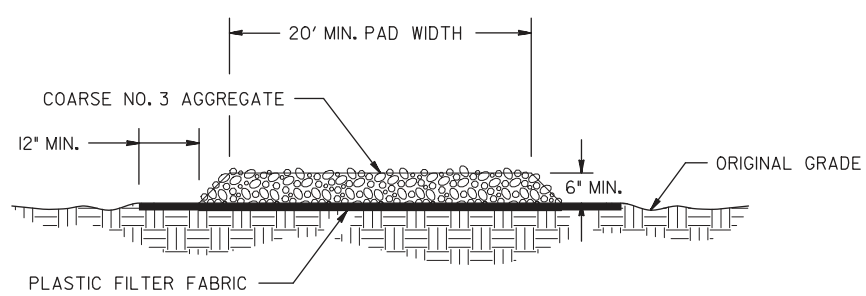
GENERAL NOTES:

1. AVOID LOCATING CONSTRUCTION EXITS ON STEEP SLOPES OR AT SHARP CURVES ON PUBLIC ROADS. CONSTRUCTION EXITS ARE NOT REQUIRED FOR DIRT PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA AND GRADE FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE COARSE NO. 3 AGGREGATE WITH 0.0% PASSING THE 1.06 INCH U.S. STANDARD SIEVE.
4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6 INCHES AND PLACED ON APPROVED PLASTIC FILTER FABRIC.
5. GRAVEL PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
6. PROVIDE A TRAVERSABLE DIVERSION RIDGE CONSTRUCTED OF AGGREGATE 6 INCHES TO 8 INCHES HIGH WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
7. INSTALL CULVERT UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
8. IF THE ACTION OF THE VEHICLE TRAVELING OVER THE GRAVEL PAD DOES NOT SUFFICIENTLY REMOVE THE MUD PRIOR TO ENTERING PUBLIC ROADS, THE CONTRACTOR SHALL ADD A CONSTRUCTION EXIT TIRE WASH ASSEMBLY TO AN EXISTING CONSTRUCTION EXIT WHEN DIRECTED BY THE ENGINEER. THE CONSTRUCTION EXIT TIRE WASH ASSEMBLY INCLUDES: TIRE WASH AREA, WATER SOURCE, AND SEDIMENT TRAP OR OTHER ACCEPTABLE SEDIMENT STORAGE DEVICE.

THE WASHING SHALL BE DONE ON AN AREA STABILIZED WITH AGGREGATE THAT DRAINS INTO A SEDIMENT TRAP OR OTHER ACCEPTABLE SEDIMENT STORAGE DEVICE. DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE CONSTRUCTION EXIT TO THE SEDIMENT CONTROL DEVICE. ACCEPTABLE SEDIMENT STORAGE DEVICE EXAMPLES INCLUDE TEMPORARY SEDIMENT TRAPS, HAY BALES OR STONE FILTER RING WITH THE SEDIMENT STORAGE SIZED FOR 67 CUBIC YARDS PER ACRE OF DRAINAGE. TIRE WASHING SHALL BE DONE MANUALLY OR BY EQUIPMENT SUITABLE FOR TRUCK TRAFFIC THAT REMOVES MUD AND DIRT.
9. AGGREGATE SHALL BE KEPT LOOSE OR SCARIFIED WHEN AGGREGATE BECOMES CONSOLIDATED.
10. CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR, AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. MAINTENANCE OF CONSTRUCTION EXIT WILL BE PAID ON THE BASIS OF HAVING OR NOT HAVING A CONSTRUCTION EXIT TIRE WASH ASSEMBLY WHEN DIRECTED BY THE ENGINEER. ALL MUD AND DEBRIS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

SEE STANDARD SPECIFICATION 163, AND SUPPLEMENTS THERETO FOR THE CONSTRUCTION AND REMOVAL OF CONSTRUCTION EXITS. SEE STANDARD SPECIFICATION 165, AND SUPPLEMENTS THERETO FOR THE MAINTENANCE OF CONSTRUCTION EXITS.

ENTRANCE ELEVATION

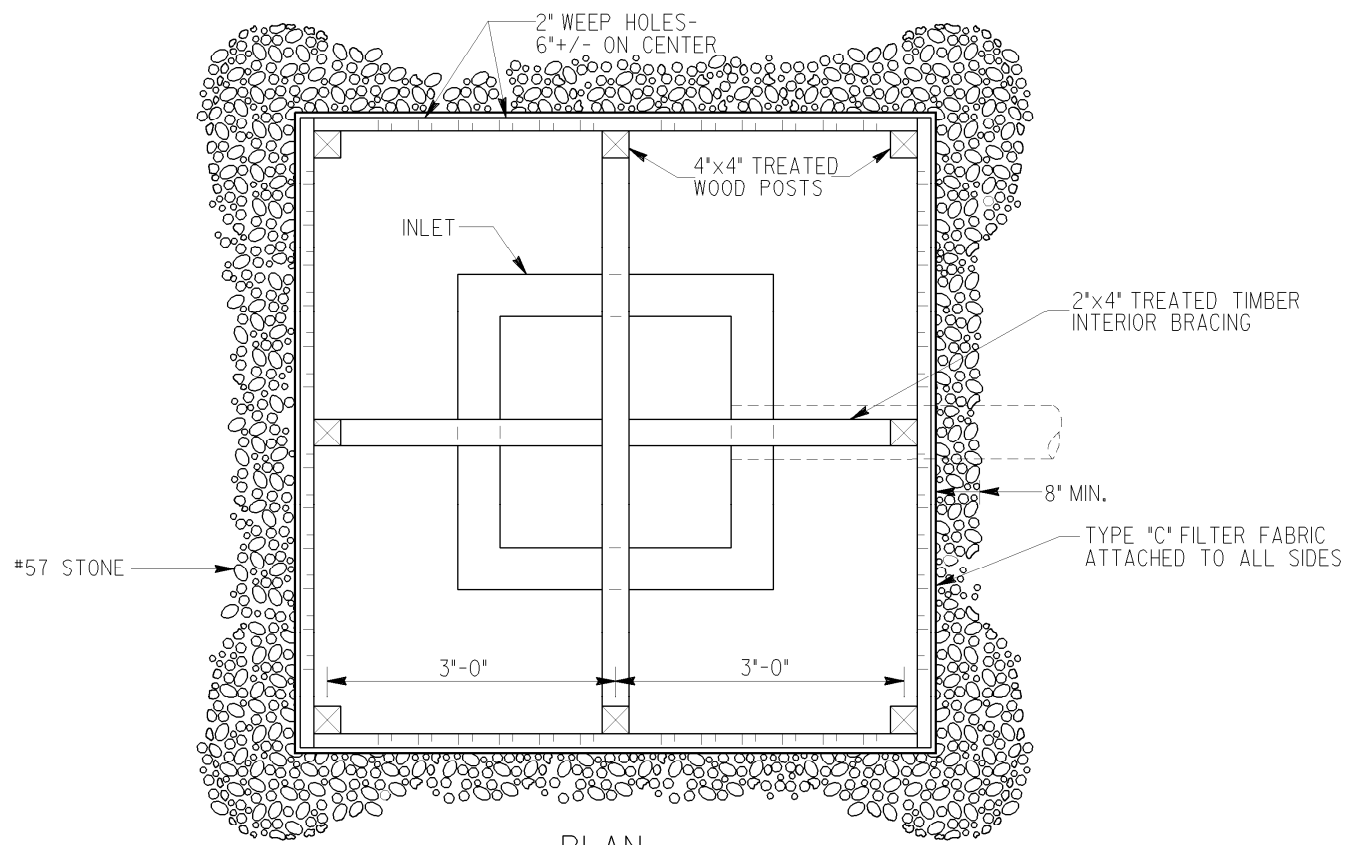


PAY ITEM:
163-0300
163-0310
165-0101
165-0310

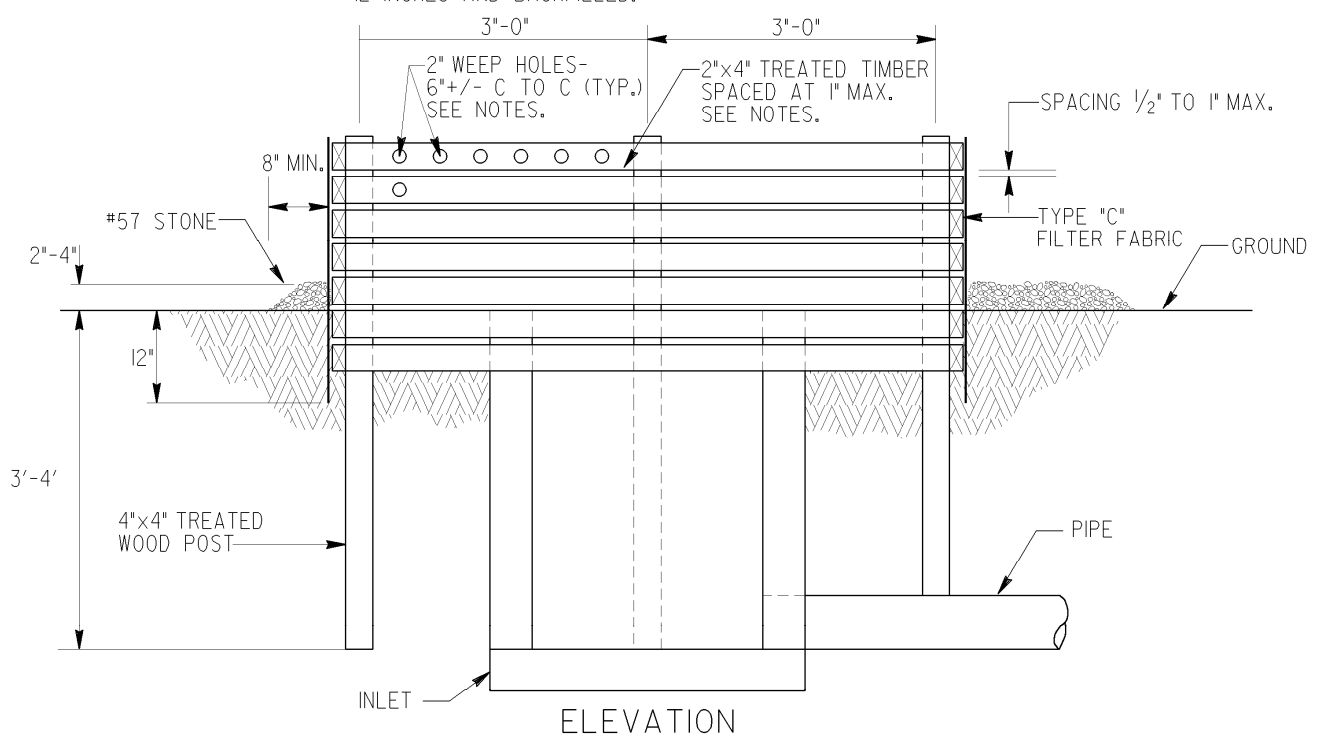
CONSTRUCTION EXIT	(EA)
CONSTRUCTION EXIT TIRE WASH ASSEMBLY	(EA)
MAINTENANCE OF CONSTRUCTION EXIT	(EA)
MAINTENANCE OF CONSTRUCTION EXIT TIRE WASH ASSEMBLY	(EA)

REV. TIRE WASH & NOTES 04-18-18	DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA
REV. GSWCC 2016 MANUAL 04-22-16	DATE	
REV. CONSTR. EXIT LABELS 01-19-11	DATE	
CONSTRUCTION EXIT		CONSTRUCTION EXIT
NO SCALE		
DESIGNED _____		NUMBER D-41
DRAWN DLE		
TRACED _____		
CHECKED _____		
FEBRUARY 2001		

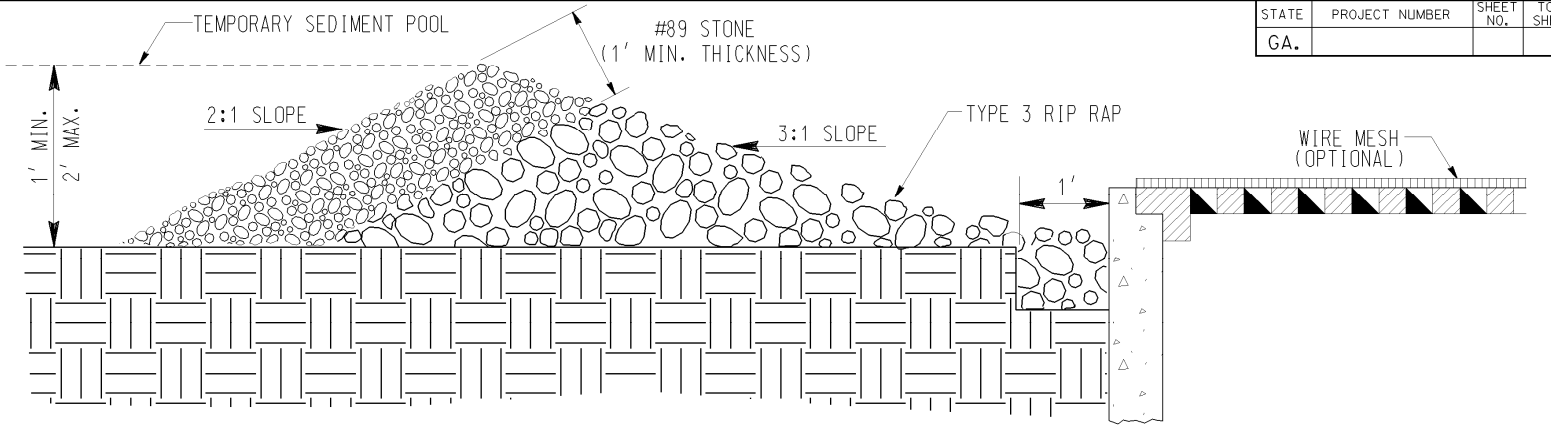
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



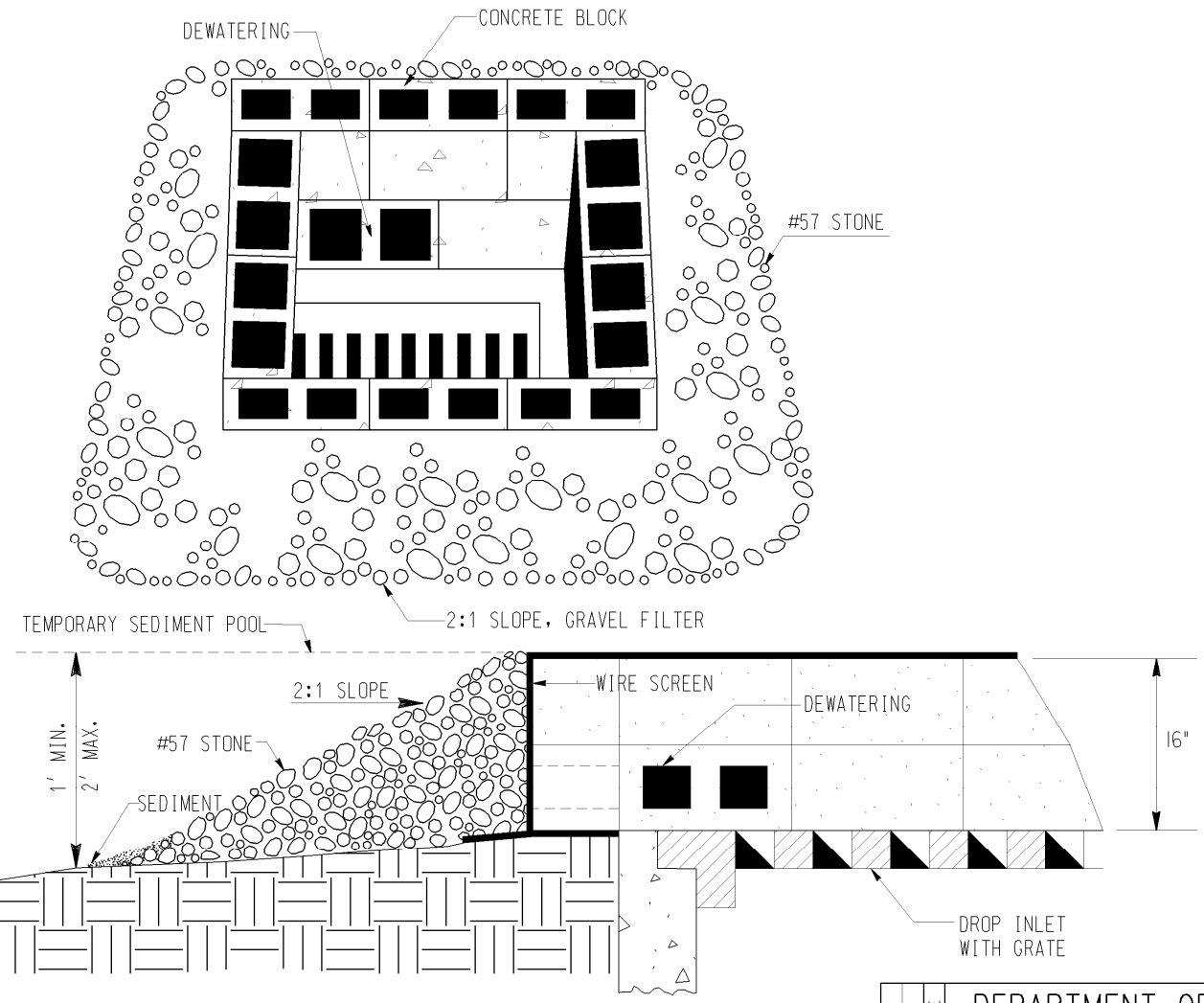
NOTES:
 BAFFLE BOX SHALL BE CONSTRUCTED OF 2"x4" TREATED TIMBER SPACED A MAXIMUM OF 1" APART OR OF PLYWOOD WITH WEEP HOLES 2" IN DIAMETER PLACED APPROXIMATELY 6" ON CENTER VERTICALLY AND HORIZONTALLY.
 GRAVEL SHALL BE PLACED OUTSIDE THE BOX, ALL AROUND THE INLET, TO A DEPTH OF 2 TO 4 INCHES. THE ENTIRE BOX SHALL BE WRAPPED IN TYPE "C" FILTER FABRIC THAT SHALL BE ENTRENCHED 12 INCHES AND BACKFILLED.



BAFFLE BOX (Sd2-B)



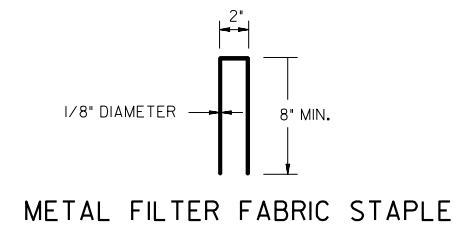
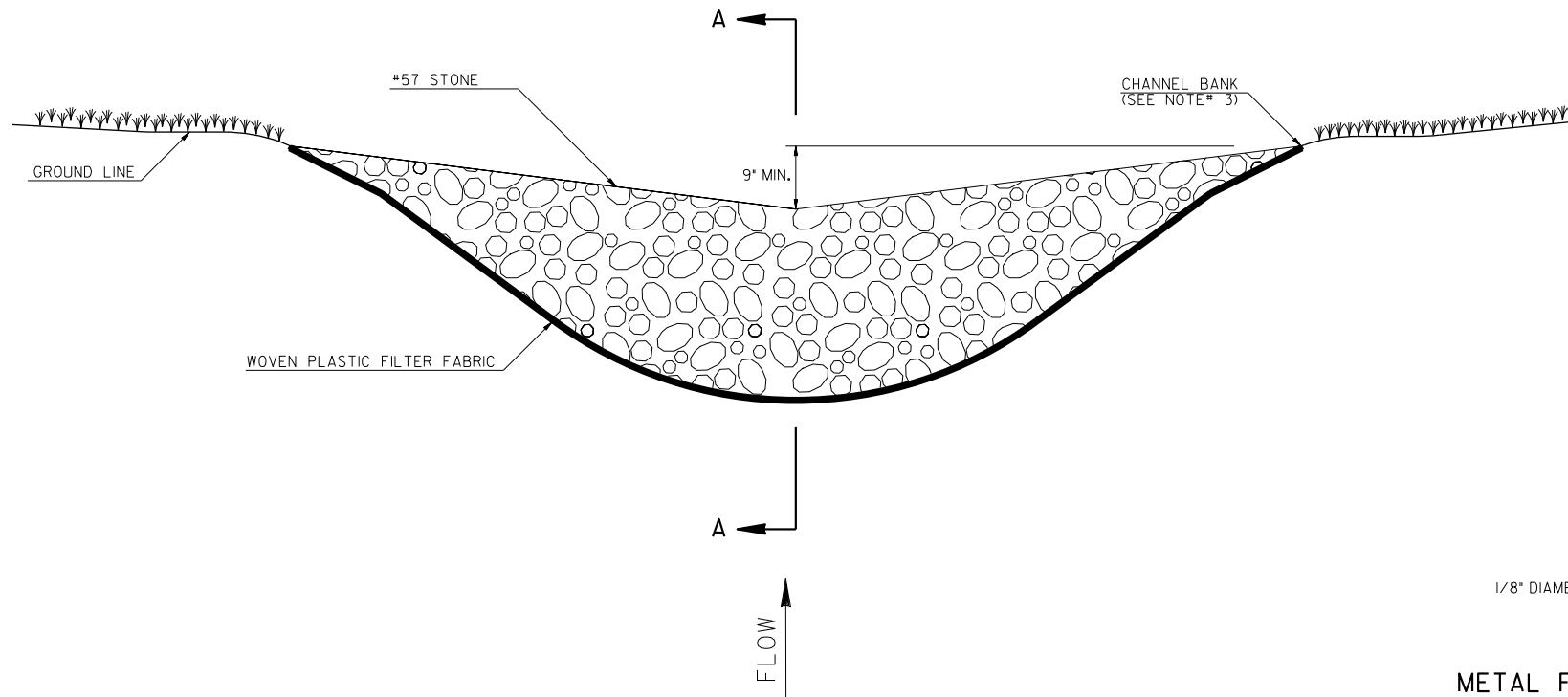
GRAVEL DROP INLET PROTECTION (GRAVEL DONUT) Sd2-G



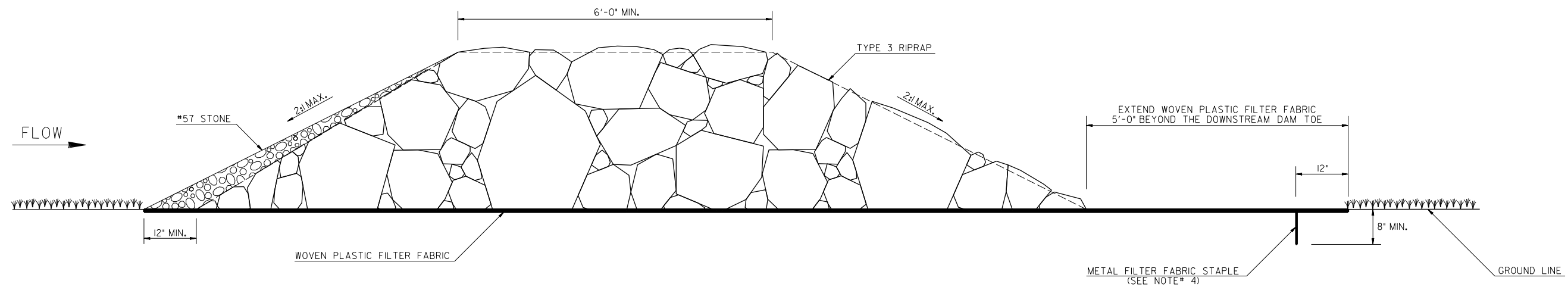
BLOCK & GRAVEL DROP INLET PROTECTION (Sd2-Bg)

BASIS OF PAYMENT:
 CONSTRUCT AND REMOVE INLET SEDIMENT TRAP _____ EACH

DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA		
REVISION	CONSTRUCTION DETAIL INLET SEDIMENT TRAPS BAFFLE BOX Sd2-B BLOCK AND GRAVEL DROP INLET PROTECTION Sd2-Bg GRAVEL DROP INLET PROTECTION Sd2-G NO SCALE MAY 2008		
BY			NUMBER D-42



SECTION A-A



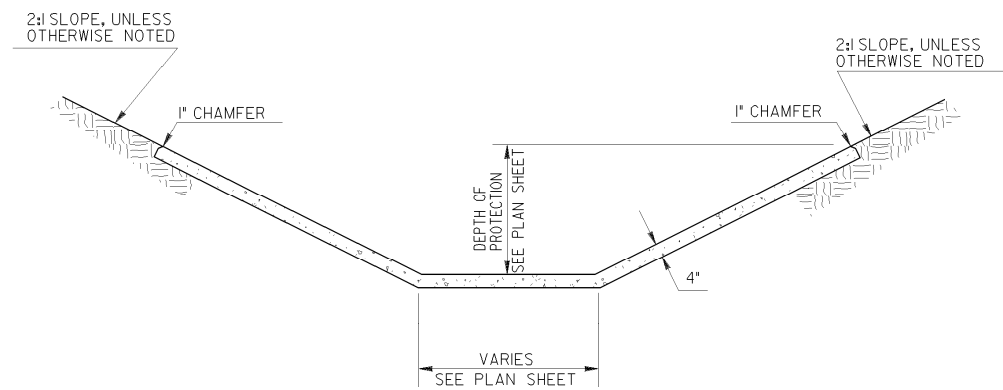
GENERAL NOTES:

1. THE MAXIMUM DRAINAGE AREA TO A ROCK FILTER DAM SHALL BE 50-ACRES.
2. ROCK FILTER DAMS SHALL NOT BE INSTALLED IN STATE WATERS.
3. THE ROCK FILTER DAM SHOULD NOT BE HIGHER THAN THE CHANNEL BANKS OR ADVERSELY IMPACT UPSTREAM PROPERTY OR STATE WATERS WITH BACKWATER. THE CENTER OF THE ROCK FILTER DAM SHOULD BE AT LEAST 9-INCHES LOWER THAN THE OUTER EDGES OF THE ROCK FILTER DAM AT THE CHANNEL BANKS.
4. ANCHOR THE WOVEN PLASTIC FILTER FABRIC TO THE GROUND SURFACE WITH METAL FILTER FABRIC STAPLES 12-INCHES FROM THE EDGE AND NO GREATER THAN 12-INCHES APART.
5. REMOVE SEDIMENT WHEN IT REACHES ONE-HALF THE HEIGHT OF THE ROCK FILTER DAM. WOVEN PLASTIC FILTER FABRIC SHALL BE REPLACED WHEN DAMAGED OR DETERIORATED.

PAY ITEMS:

163-0541	CONSTRUCT AND REMOVE ROCK FILTER DAM	(EA)
165-0110	MAINTENANCE OF ROCK FILTER DAM	(EA)

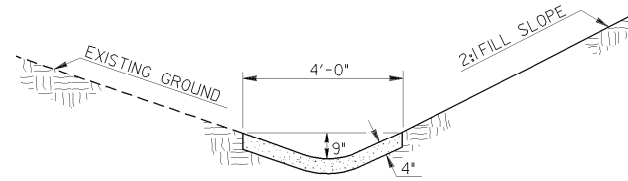
DATE		DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
REVISION		CONSTRUCTION DETAILS ROCK FILTER DAM	
BY		NO SCALE	4-22-2016
		NUMBER D-43	



TYPICAL FLAT BOTTOM PAVED DITCH

GENERAL NOTES:

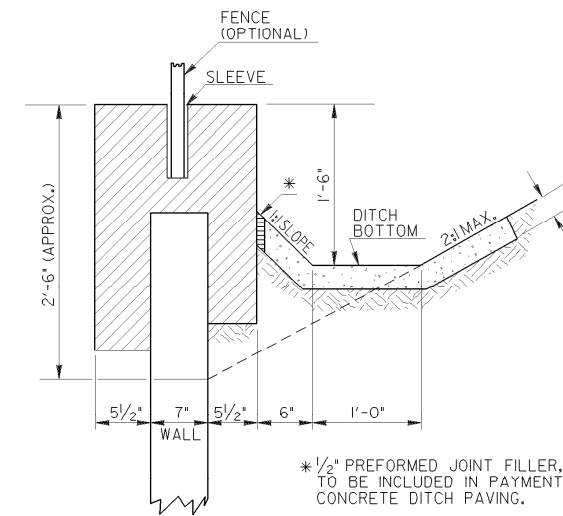
1. SEE CONSTRUCTION DETAIL D-10 (4" CONCRETE DITCH PAVING DETAILS AND QUANTITIES)
2. WEEP HOLE LOCATION SEE CONSTRUCTION DETAIL D-10



PAVED SWALE DITCH

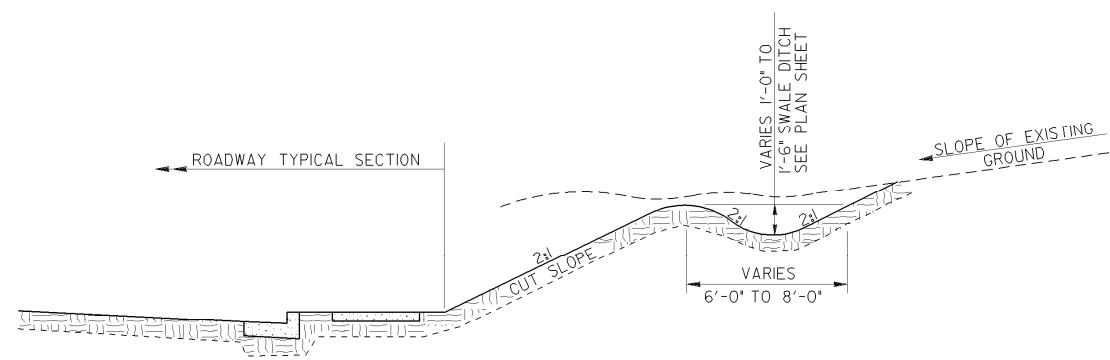
GENERAL NOTES:

1. CONCRETE SHALL BE PER SECTION 441.
2. EARTH SHALL BE THOROUGHLY TAMPED OVER ENTIRE AREA UNDER DITCH PAVEMENT.



* 1/2" PREFORMED JOINT FILLER, TYPE 2, TO BE INCLUDED IN PAYMENT FOR CONCRETE DITCH PAVING.

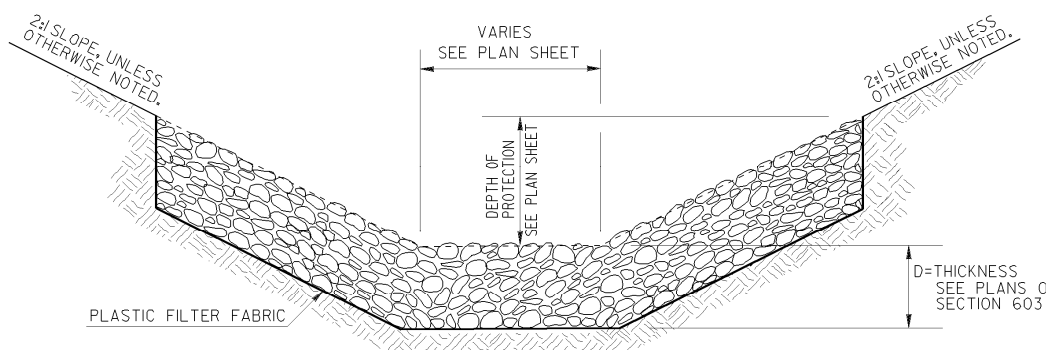
PAVED DITCH
(IN BACK OF RETAINING WALL)



DETAIL OF SWALE DITCH

GENERAL NOTES:

1. APPLICABLE AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER ON CONSTRUCTION.
2. TO BE PAID FOR AS UNCLASSIFIED EXCAVATION OR GRADING COMPLETE.



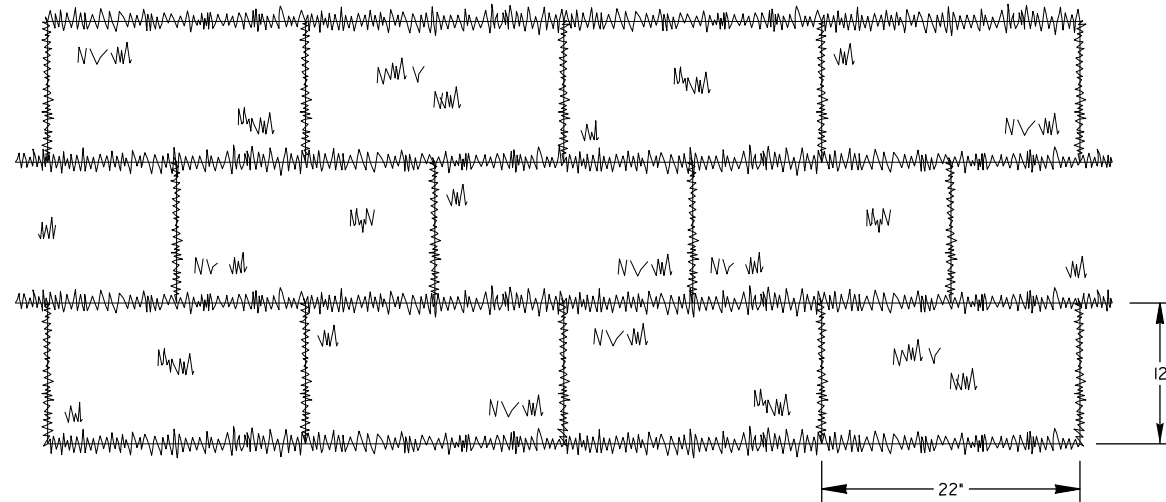
TYPICAL FLAT BOTTOM RIP RAP DITCH

GENERAL NOTES:

1. BASIS OF PAYMENT: STONE RIP RAP, PER SQ. YD.

DATE		DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
REVISION		CONSTRUCTION DETAIL DITCH BACK OF RETAINING WALL SWALE DITCHES; RIP RAP DITCH	
BY		NO SCALE	FEBRUARY, 2011
		NUMBER D-49	

SOD LAYOUT

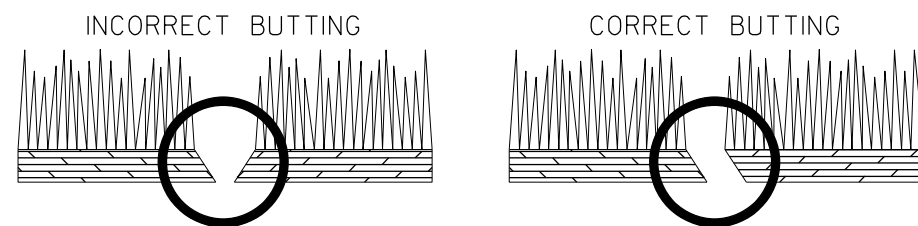


NOTE: SOD MAY BE EITHER 12" WIDE BY 22" LONG BLOCKS OR 21" WIDE BY 52" LONG ROLLS.

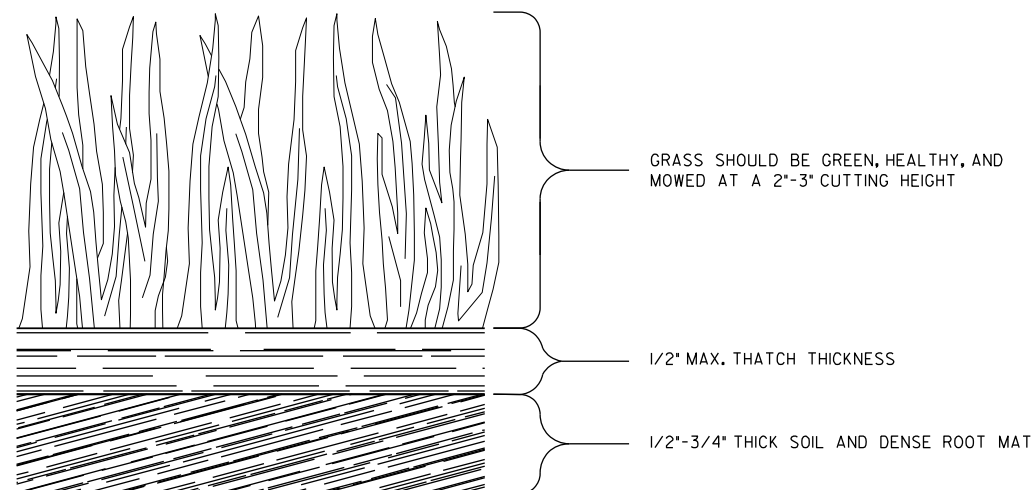
GENERAL NOTES:

- SOD SHALL MEET SECTIONS 700 AND 890 OF THE STANDARD SPECIFICATIONS AND SUPPLEMENTS THERETO. SOD SHALL BE CUT INTO 12"x22" L BLOCKS OR 21"x52" L ROLLS.
- PLACE SOD IN A STAGGERED PATTERN ENSURING FIRM CONTACT WITH THE SOIL. BUTT THE STRIPS TIGHTLY AGAINST EACH OTHER WITH THE AUTOMATIC SOD CUTTER ANGLES CORRECTLY MATCHED WITHOUT SPACES OR OVERLAP.
- PLACE THE LONG SIDE OF SOD PERPENDICULAR TO DRAINAGE FLOW IF INSTALLED IN DITCHES.
- STAKE SOD PLACED IN DITCHES OR SLOPES STEEPER THAN 2:1 OR ANY OTHER AREAS WHERE SOD SLIPPING MAY OCCUR. USE WOOD STAKES THAT ARE A MINIMUM OF 8" LONG AND A MAXIMUM OF 1" WIDE. DRIVE STAKES FLUSH WITH THE TOP OF SOD AND USE A MINIMUM OF 8 STAKES PER SQUARE YARD TO HOLD SOD IN PLACE.
- ROLL SOD IMMEDIATELY TO ACHIEVE FIRM CONTACT WITH THE SOIL.
- WATER THE SOD IMMEDIATELY AFTER INSTALLATION AND WATER TO A DEPTH OF 4" AS NEEDED.
- MOW ESTABLISHED SOD TO A HEIGHT NOT LESS THAN 2"-3" AS NECESSARY.

ABUTTING SOD



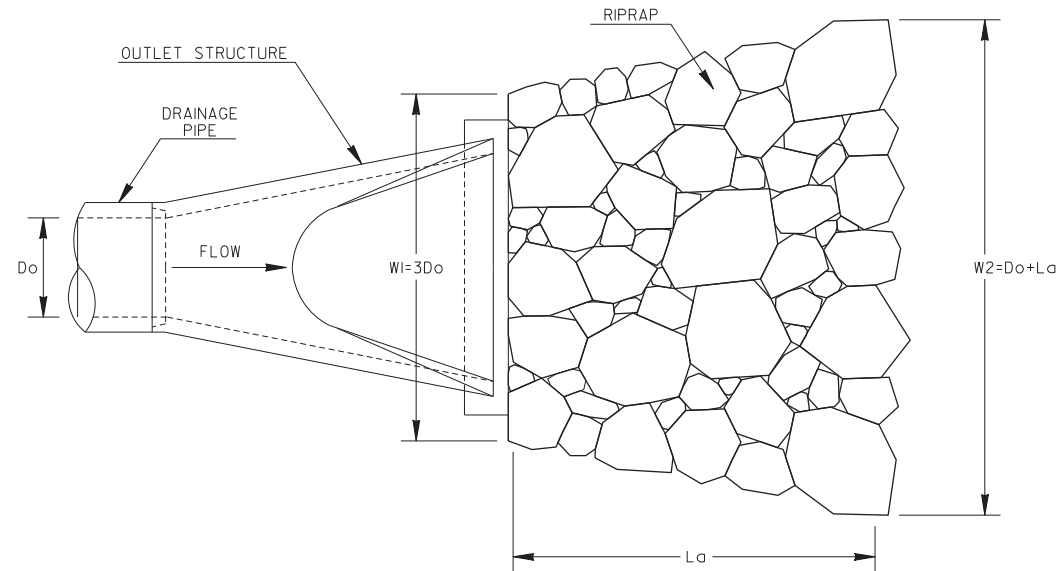
SOD APPEARANCE



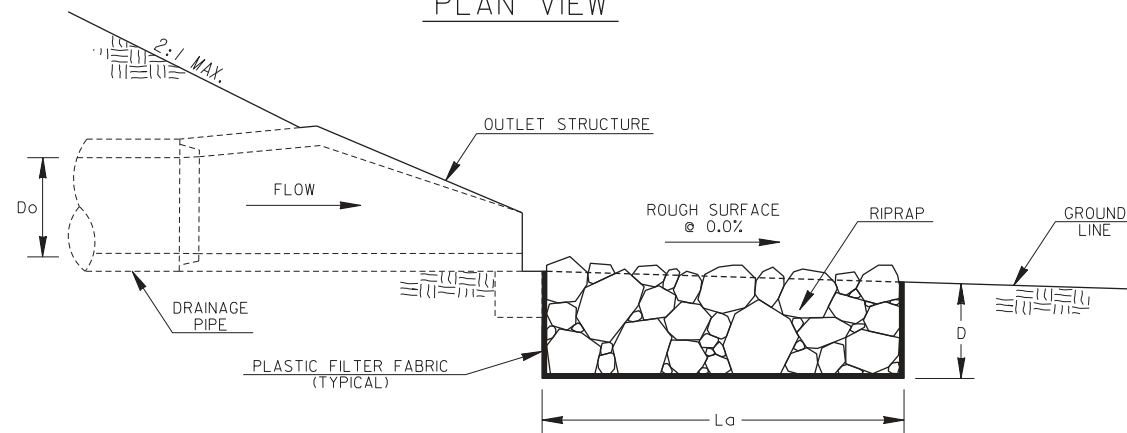
PAY ITEM:
700-9300 SOD (SY)

DATE		DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
REVISION		CONSTRUCTION DETAILS SOD INSTALLATION	
NO SCALE		4-22-2016	
BY	DESIGNED _____ DRAWN <u>DLE</u> TRACED _____ CHECKED _____	NUMBER D-54	

OUTLET TO FLAT AREA

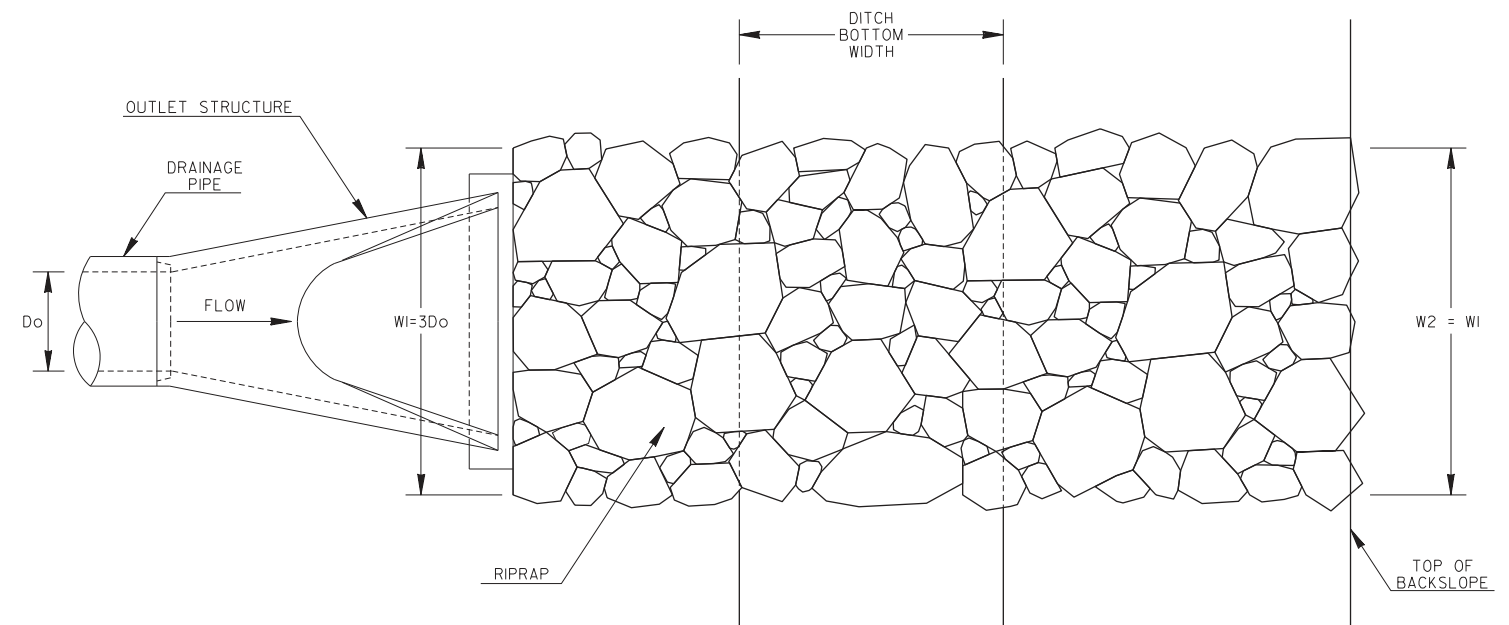


PLAN VIEW

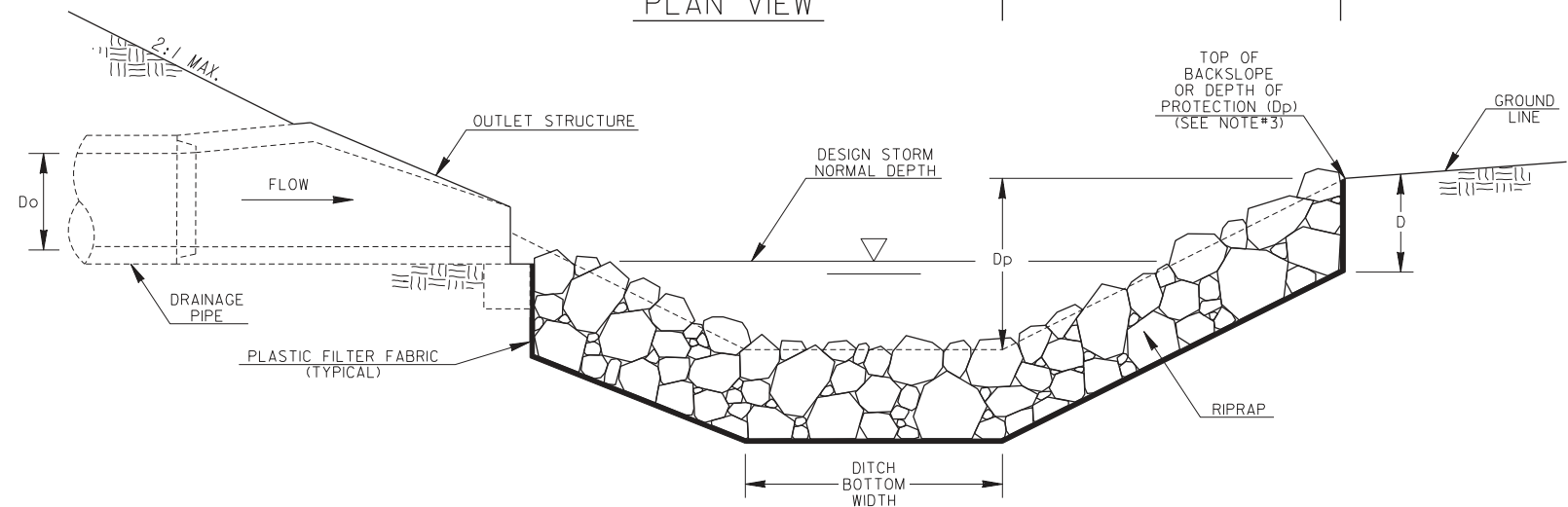


PROFILE VIEW

OUTLET PERPENDICULAR TO WELL-DEFINED CHANNEL



PLAN VIEW



PROFILE VIEW

GENERAL NOTES:

- RIPRAP OUTLET PROTECTION SHOULD BE USED TO REDUCE A DRAINAGE STRUCTURE'S DISCHARGE VELOCITY. RIPRAP OUTLET PROTECTION IS SHOWN FOR GEORGIA STANDARD I120, BUT IS INSTALLED SIMILARLY FOR OTHER DRAINAGE OUTLET STRUCTURES.
- RIPRAP OUTLET PROTECTION SHALL BE DESIGNED IN ACCORDANCE WITH THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA". THE DESIGNER SHALL PROVIDE THE FOLLOWING IN THE PLANS: PIPE DIAMETER (D_o), FLOW RATE OF DESIGN STORM (Q), VELOCITY (V), TAILWATER CONDITION (T_w), APRON LENGTH (L_a), APRON WIDTH AT DRAINAGE STRUCTURE (W₁), APRON WIDTH DOWNSTREAM (W₂), AVERAGE STONE DIAMETER (d₅₀), INSTALLATION DEPTH (D), AND TYPE OF RIPRAP WITH QUANTITY.

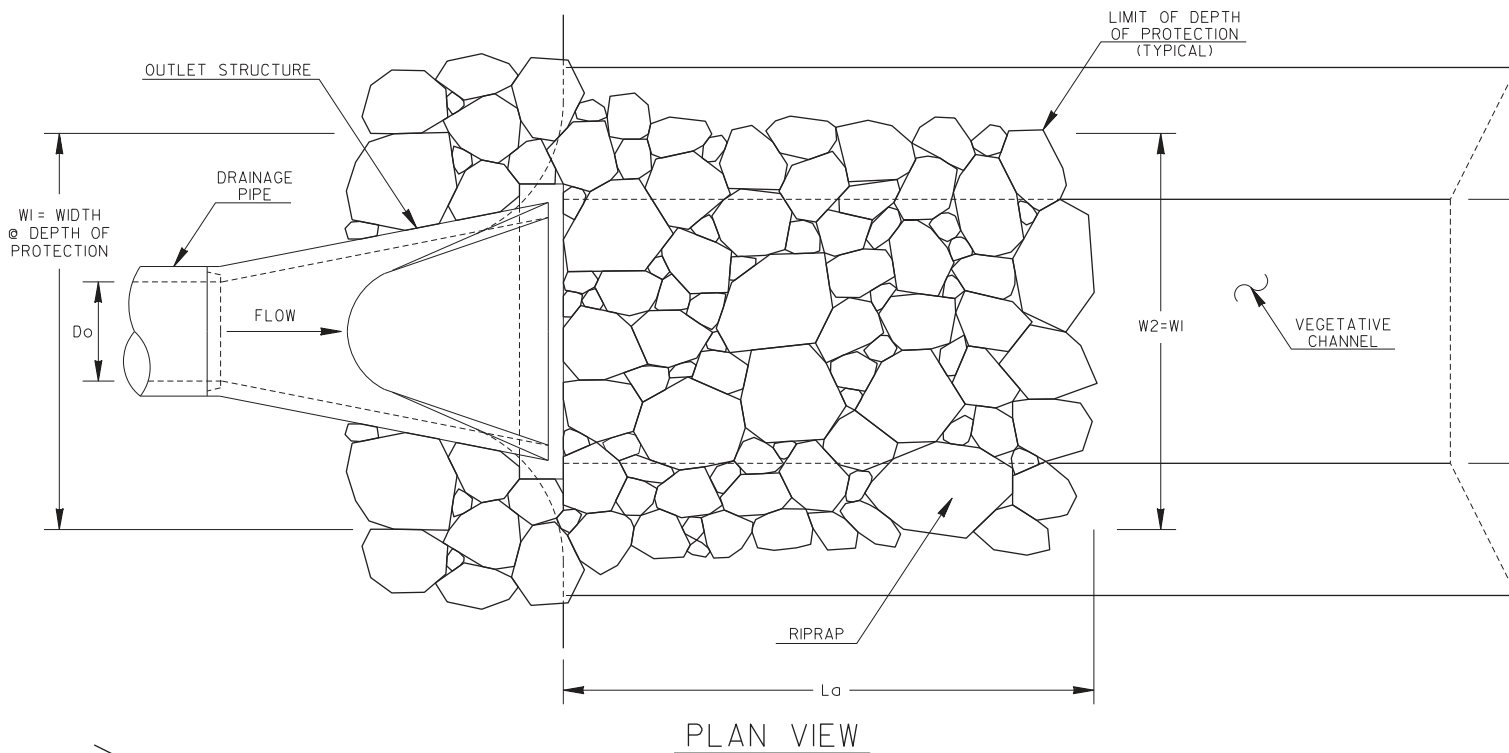
THE MINIMUM DESIGN FOR RIPRAP OUTLET PROTECTION SHALL BE THE 25-YEAR STORM EVENT, BUT LARGER STORMS ARE RECOMMENDED.
- THE APRON WIDTHS SHALL BE THE SAME WHEN THE DRAINAGE STRUCTURE DISCHARGES PERPENDICULAR INTO A WELL-DEFINED CHANNEL. THE LENGTH SHALL EXTEND ACROSS THE CHANNEL AND UP TO THE TOP OF THE CHANNEL BACKSLOPE OR 1-FOOT ABOVE THE NORMAL DEPTH OF THE CHANNEL'S DESIGN STORM (WHICHEVER IS LESS). THE DESIGNER SHALL PROVIDE THE DEPTH OF PROTECTION (D_p) IF THE APRON DOES NOT EXTEND TO THE TOP OF THE BACKSLOPE.
- IF THE OUTLET HYDRAULICS REQUIRE A d₅₀ < 0.70 FEET, TYPE-3 RIPRAP MAY BE USED.
IF THE OUTLET HYDRAULICS REQUIRE A d₅₀ < 1.20 FEET, TYPE-1 RIPRAP SHOULD BE USED.
IF THE OUTLET HYDRAULICS REQUIRE A d₅₀ > 1.20 FEET, THE DESIGNER SHALL DESIGN AND PROVIDE A SPECIAL DETAIL FOR APPROPRIATE OUTLET PROTECTION.
- PLASTIC FILTER FABRIC IS REQUIRED UNDERNEATH RIPRAP APRON.
- PAYMENT FOR RIPRAP SHALL BE MEASURED IN SQUARE YARDS FOR SPECIFIED INSTALLATION DEPTH. PAYMENT FOR PLASTIC FILTER FABRIC SHALL BE MEASURED IN SQUARE YARDS CONSISTENT WITH RIPRAP QUANTITY AND PAID FOR SEPARATELY.

- D_o = PIPE DIAMETER
- Q = DESIGN STORM FLOW RATE
- V = DESIGN STORM VELOCITY
- T_w = TAILWATER CONDITION/DESIGN STORM NORMAL DEPTH
- L_a = APRON LENGTH
- W₁ = APRON WIDTH UPSTREAM
- W₂ = APRON WIDTH DOWNSTREAM
- d₅₀ = AVERAGE STONE DIAMETER
- D = INSTALLATION DEPTH
- D_p = DEPTH OF PROTECTION

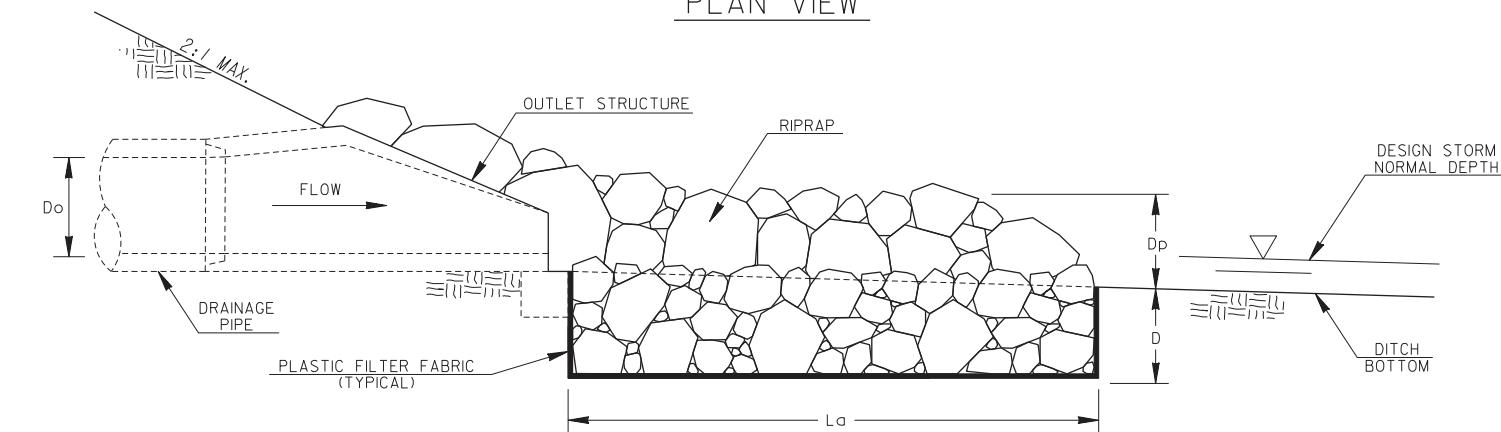
RIPRAP TYPE	REQUIRED d ₅₀ (FT)	MIN. DEPTH "D" (IN)
1	≤1.20	36
3	≤0.67	18

DATE		DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
		CONSTRUCTION DETAILS RIPRAP OUTLET PROTECTION (SHEET 1 OF 2)	
REVISION	NO SCALE	4-22-2016	
		NUMBER D-55A	
BY	DESIGNED <u>DLE</u> DRAWN <u>DLE</u> TRACED _____ CHECKED _____		

OUTLET PARALLEL TO WELL-DEFINED CHANNEL

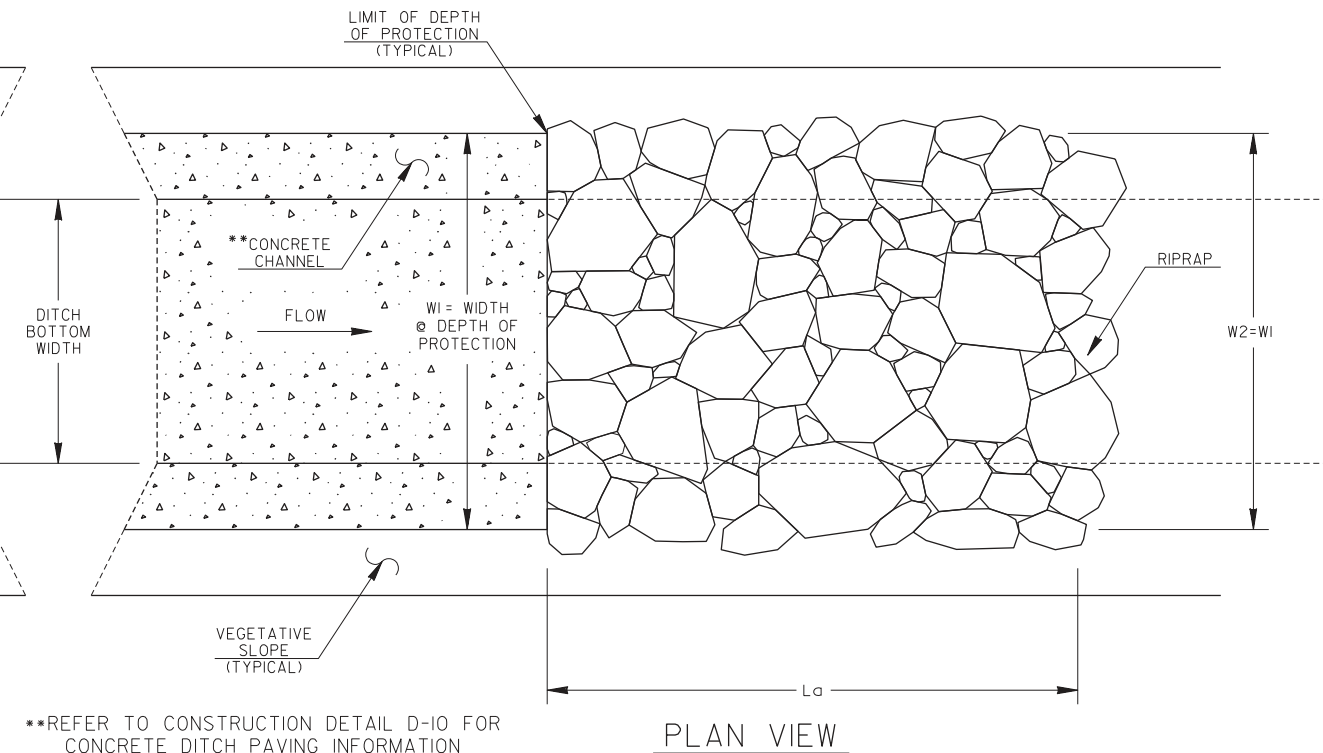


PLAN VIEW



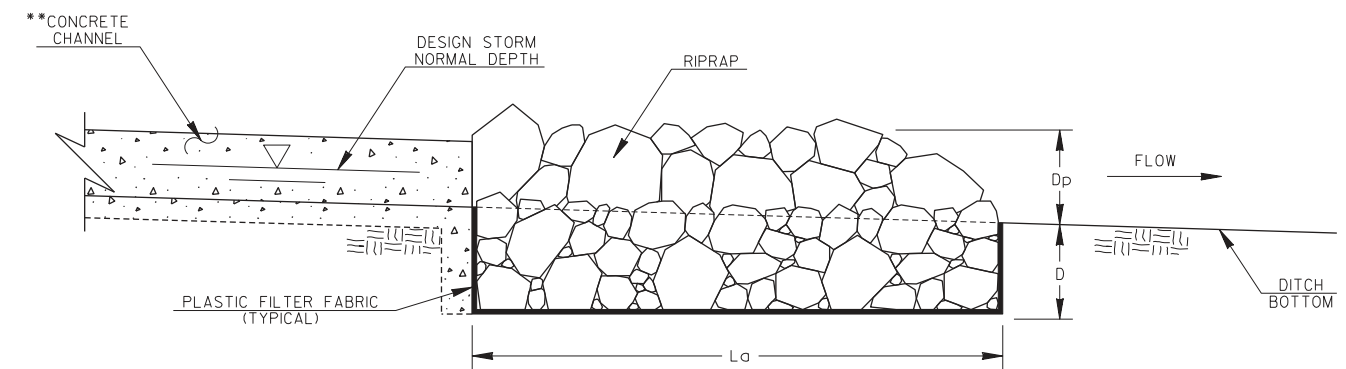
PROFILE VIEW

CONCRETE CHANNEL TO RIPRAP TRANSITION



PLAN VIEW

**REFER TO CONSTRUCTION DETAIL D-10 FOR CONCRETE DITCH PAVING INFORMATION



PROFILE VIEW

GENERAL NOTES:

- RIPRAP OUTLET PROTECTION SHOULD BE USED TO REDUCE A DRAINAGE STRUCTURE'S DISCHARGE VELOCITY. RIPRAP OUTLET PROTECTION IS SHOWN FOR GEORGIA STANDARD I20, BUT IS INSTALLED SIMILARLY FOR OTHER DRAINAGE OUTLET STRUCTURES. RIPRAP OUTLET PROTECTION IS SHOWN FOR A CONCRETE DITCH, BUT IS INSTALLED SIMILARLY TO TRANSITION FROM OTHER CHANNEL LININGS.
- RIPRAP OUTLET PROTECTION SHALL BE DESIGNED IN ACCORDANCE WITH THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA". THE DESIGNER SHALL PROVIDE THE FOLLOWING IN THE PLANS: PIPE DIAMETER (Do), FLOW RATE OF DESIGN STORM (Q), VELOCITY (V), TAILWATER CONDITION (Tw), APRON LENGTH (La), APRON WIDTH AT DRAINAGE STRUCTURE (W1), APRON WIDTH DOWNSTREAM (W2), AVERAGE STONE DIAMETER (d50), INSTALLATION DEPTH (D), AND TYPE OF RIPRAP WITH QUANTITY.

THE MINIMUM DESIGN FOR RIPRAP OUTLET PROTECTION SHALL BE THE 25-YEAR STORM EVENT, BUT LARGER STORMS ARE RECOMMENDED.
- THE APRON WIDTHS SHALL BE THE SAME WHEN THE DRAINAGE STRUCTURE DISCHARGES PARALLEL INTO A WELL-DEFINED CHANNEL. THE APRON WIDTHS IN THIS CASE SHALL REPRESENT THE WIDTH AT THE DEPTH OF PROTECTION. THE RIPRAP SHALL BE INSTALLED TO THE TOP OF CHANNEL OR 1-FOOT ABOVE THE NORMAL DEPTH OF THE CHANNEL'S DESIGN STORM (WHICHEVER IS LESS). THE DESIGNER SHALL PROVIDE THE DEPTH OF PROTECTION (Dp) IF THE RIPRAP SHOULD NOT BE INSTALLED TO THE TOP OF THE CHANNEL. RIPRAP SHOULD ALSO BE INSTALLED TO ARMOR CHANNEL CORNER AT THE OUTLET STRUCTURE.
- IF THE OUTLET HYDRAULICS REQUIRE A d50 < 0.70 FEET, TYPE-3 RIPRAP MAY BE USED.
IF THE OUTLET HYDRAULICS REQUIRE A d50 < 1.20 FEET, TYPE-1 RIPRAP SHOULD BE USED.
IF THE OUTLET HYDRAULICS REQUIRE A d50 > 1.20 FEET, THE DESIGNER SHALL DESIGN AND PROVIDE A SPECIAL DETAIL FOR APPROPRIATE OUTLET PROTECTION.
- PLASTIC FILTER FABRIC IS REQUIRED UNDERNEATH RIPRAP APRON.
- PAYMENT FOR RIPRAP SHALL BE MEASURED IN SQUARE YARDS FOR SPECIFIED INSTALLATION DEPTH. PAYMENT FOR PLASTIC FILTER FABRIC SHALL BE MEASURED IN SQUARE YARDS CONSISTENT WITH RIPRAP QUANTITY AND PAID FOR SEPARATELY.

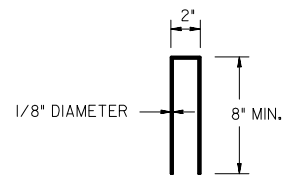
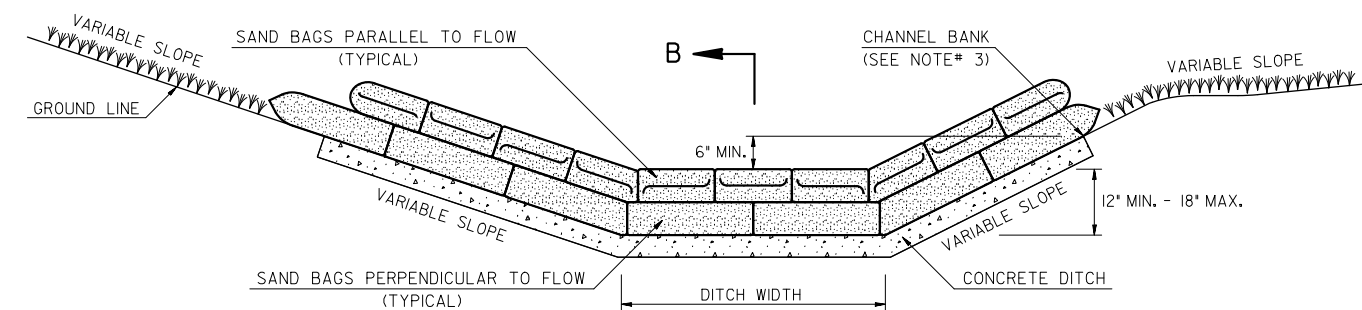
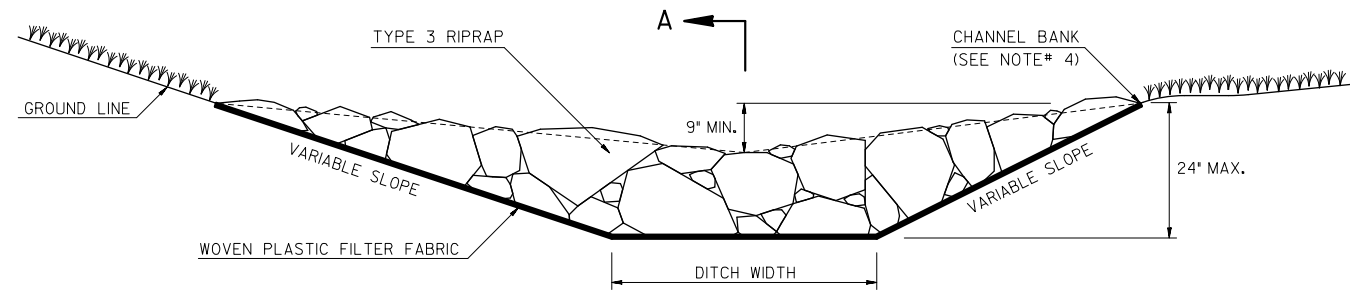
- Do = PIPE DIAMETER
- Q = DESIGN STORM FLOW RATE
- V = DESIGN STORM VELOCITY
- Tw = TAILWATER CONDITION/DESIGN STORM NORMAL DEPTH
- La = APRON LENGTH
- W1 = APRON WIDTH UPSTREAM AT DEPTH OF PROTECTION
- W2 = APRON WIDTH DOWNSTREAM AT DEPTH OF PROTECTION
- d50 = AVERAGE STONE DIAMETER
- D = INSTALLATION DEPTH
- Dp = DEPTH OF PROTECTION

RIPRAP TYPE	REQUIRED d50 (FT)	MIN. DEPTH "D" (IN)
1	≤1.20	36
3	≤0.67	18

DATE		DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
		CONSTRUCTION DETAILS	
REVISION		RIPRAP OUTLET PROTECTION (SHEET 2 OF 2)	
		NO SCALE	
BY		DESIGNED <u>DLE</u>	4-22-2016
		DRAWN <u>DLE</u>	
		TRACED _____	
		CHECKED _____	
			NUMBER D-55B

STONE CHECK DAM

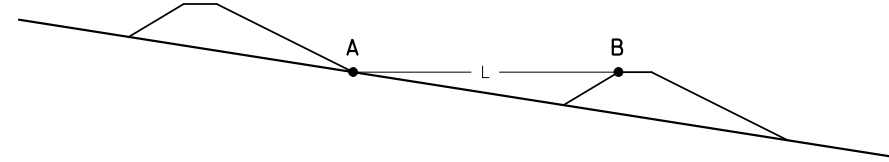
SAND BAG CHECK DAM



METAL FILTER FABRIC STAPLE

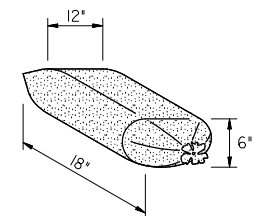
TYPICAL CHECK DAM SPACING

L = THE DISTANCE BETWEEN CHECK DAMS SUCH THAT POINTS *A* AND *B* ARE OF EQUAL ELEVATION

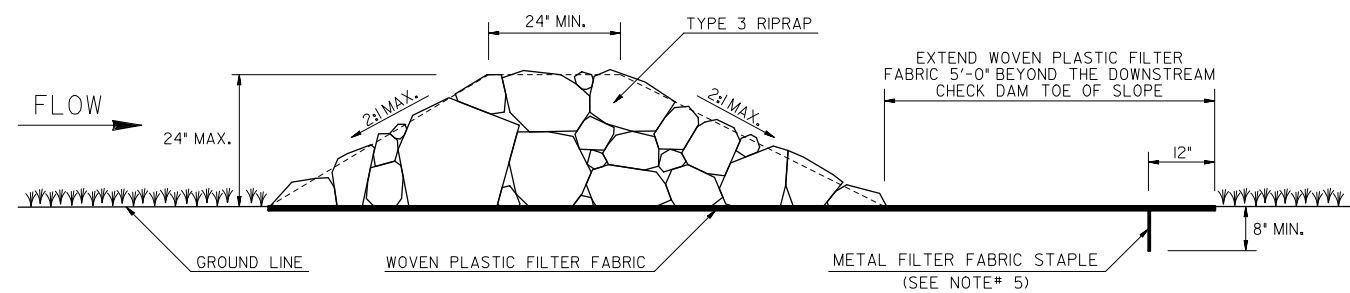


SAND BAG DIMENSIONS

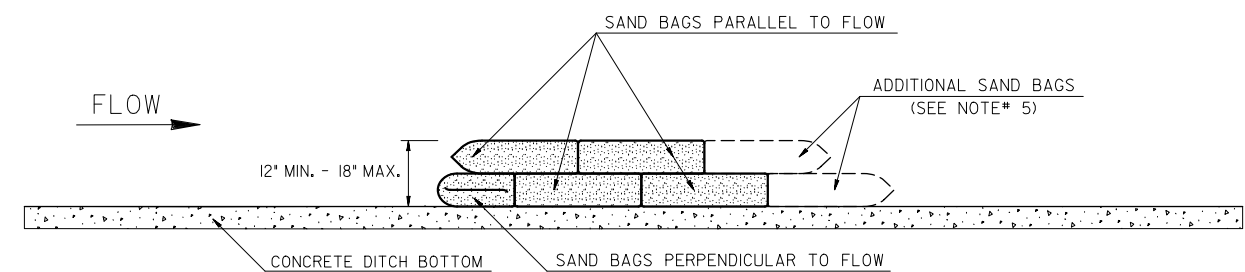
(SEE NOTE # 6)



SECTION A-A



SECTION B-B



STONE CHECK DAM GENERAL NOTES:

- STONE CHECK DAMS SHALL NOT BE INSTALLED IN THE CLEAR ZONE OF UNPROTECTED ACTIVE TRAFFIC.
- APPROPRIATE CONVENTIONAL OR APPROVED ALTERNATIVE BMPs SHALL BE PROVIDED DOWNSTREAM OF STONE CHECK DAMS AT THE DISCHARGE POINT FOR FLOWS GREATER THAN 2.0-CUBIC FEET PER SECOND.
- STONE CHECK DAMS SHALL NOT BE PLACED WITHIN FLOWING STATE WATERS.
- THE CENTER OF THE STONE CHECK DAM SHALL BE AT LEAST 9-INCHES LOWER THAN THE OUTER EDGES OF THE STONE CHECK DAM. THE HEIGHT AT THE CENTER OF THE STONE CHECK DAM MAY BE INCREASED TO A MAXIMUM OF 24-INCHES IF A MINIMUM OF 9-INCHES OF FREEBOARD IS STILL PROVIDED AT THE CHANNEL BANK.
- ANCHOR THE WOVEN PLASTIC FILTER FABRIC TO THE GROUND SURFACE WITH METAL FILTER FABRIC STAPLES 12-INCHES FROM THE EDGE AND NO GREATER THAN 12-INCHES APART.
- REMOVE SEDIMENT WHEN IT REACHES ONE-HALF THE HEIGHT OF THE STONE CHECK DAM. WOVEN PLASTIC FILTER FABRIC SHALL BE REPLACED WHEN DAMAGED OR DETERIORATED.
- PROVIDE PERMANENT CHANNEL PROTECTION AS SHOWN AND/OR NOTED IN THE PLANS AFTER STONE CHECK DAM IS REMOVED.

SAND BAG CHECK DAM GENERAL NOTES:

- SAND BAG CHECK DAMS ARE ONLY USED FOR TEMPORARY VELOCITY CONTROL IN CONCRETE LINED DITCHES AND SHALL NOT BE INSTALLED IN THE CLEAR ZONE OF UNPROTECTED ACTIVE TRAFFIC.
- APPROPRIATE CONVENTIONAL OR APPROVED ALTERNATIVE BMPs SHALL BE PROVIDED UPSTREAM AND/OR DOWNSTREAM OF CONCRETE DITCHES.
- THE CENTER OF THE SAND BAG CHECK DAM SHALL BE AT LEAST 6-INCHES LOWER THAN THE OUTER EDGES OF THE SAND BAG CHECK DAM AT THE GROUND LINE. THE HEIGHT AT THE CENTER OF THE SAND BAG CHECK DAM SHALL BE A MINIMUM OF 12-INCHES AND A MAXIMUM OF 18-INCHES.
- INSTALL SAND BAGS TIGHTLY ABUTTING EACH OTHER AND STACK IN A RUNNING BOND PATTERN. FOLD ANY FLAPS AWAY FROM WATER FLOW.
- IF ADDITIONAL SAND BAGS ARE WARRANTED FOR STABILITY, INSTALL AS SHOWN AND DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST.
- SAND BAG SIZES MAY VARY. ASSUME A FILLED SAND BAG HAS APPROXIMATE DIMENSIONS OF 12"Wx6"Hx18"L.
- REMOVE SEDIMENT WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SAND BAG CHECK DAM. SAND BAGS SHALL BE REPLACED WHEN DAMAGED OR DETERIORATED AT NO ADDITIONAL COST TO THE DEPARTMENT.

NOTE:
SEE STANDARD SPECIFICATION 163, AND SUPPLEMENTS THERETO FOR THE CONSTRUCTION AND REMOVAL OF STONE CHECK DAMS AND SAND BAG CHECK DAMS. SEE STANDARD SPECIFICATION 165, AND SUPPLEMENTS THERETO FOR THE MAINTENANCE OF STONE CHECK DAMS AND SAND BAG CHECK DAMS.

PAY ITEMS:
163-0527 CONSTRUCT AND REMOVE RIPRAP CHECK DAMS, STONE PLAIN RIPRAP/SAND BAGS (EA)
165-0041 MAINTENANCE OF CHECK DAMS - ALL TYPES (LF)

DATE		DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
REVISION		CONSTRUCTION DETAILS STONE RIPRAP & SAND BAG TEMPORARY CHECK DAMS	
		NO SCALE	11-28-2018
BY	DESIGNED <u>DLE</u> DRAWN <u>DLE</u> TRACED _____ CHECKED _____	NUMBER D-56	

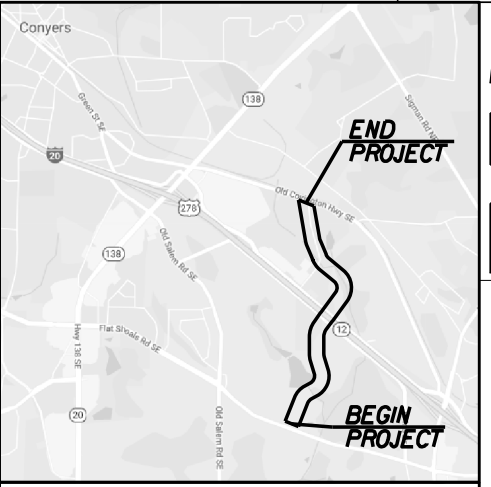
DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

RIGHT OF WAY OF PROPOSED COURTESY PKWY. EXT. FROM FLAT SHOALS RD TO OLD COVINGTON HWY. ROCKDALE COUNTY

FEDERAL AID PROJECT

CSSTP-0006-00(934)

CONVENTIONAL SIGNS		
LAND LOT LINE	-----	
PROPERTY LINE	-----	
RIGHT OF WAY LINE	EXISTING	-----
	REQUIRED	-----
	EXISTING LIMIT OF ACCESS	-----
	REQD LIMIT OF ACCESS	-----
	EXISTING LIMIT OF ACCESS & R/W	-----
FENCE	EXISTING LIMIT OF ACCESS & R/W	-----
	REQD LIMIT OF ACCESS & R/W	-----
	R/W MARKERS	-----



LOCATION SKETCH

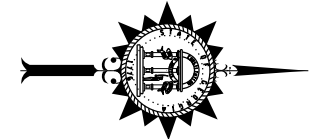
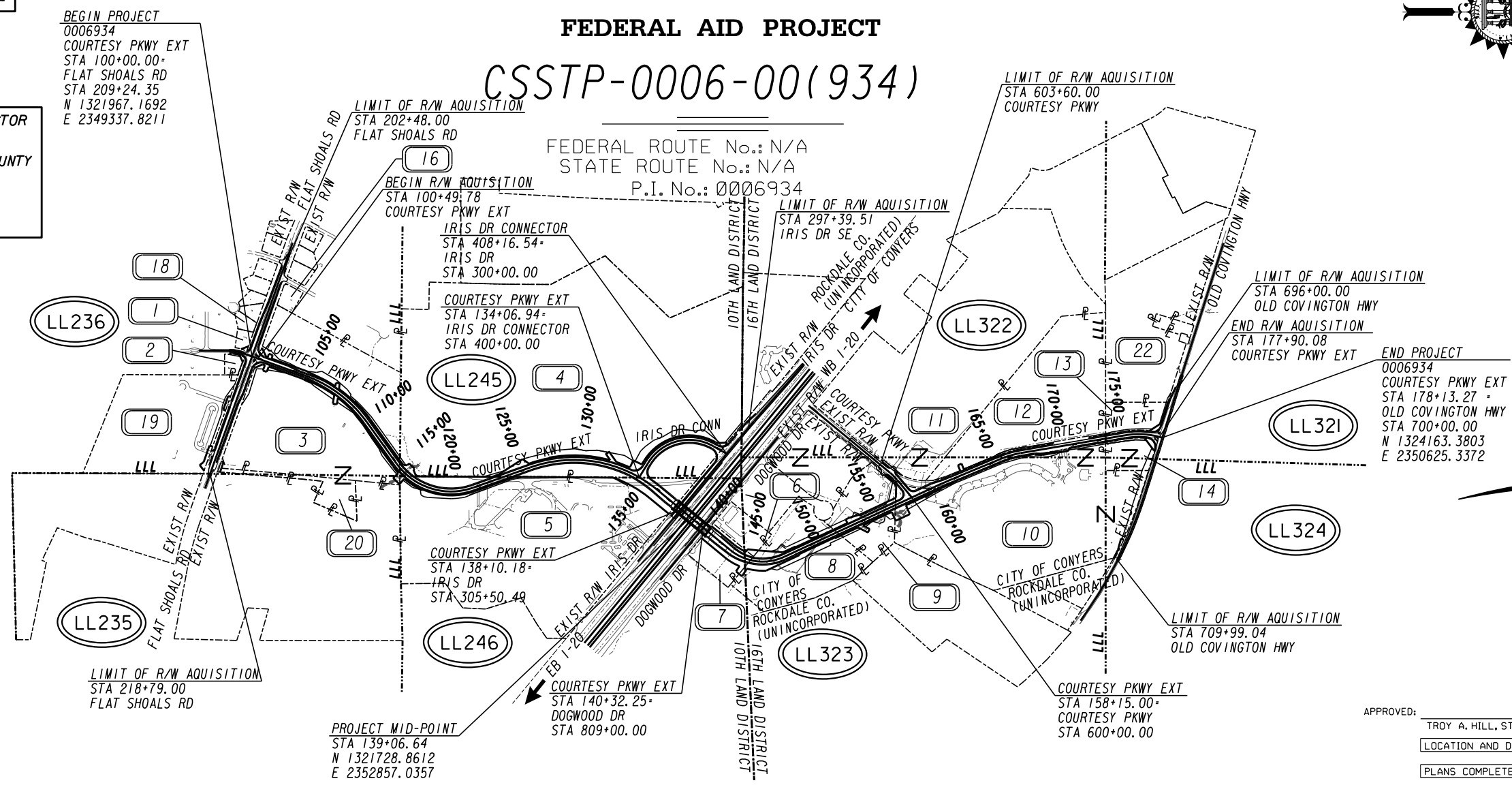
NOTE: THE CO-ORDINATES LISTED ARE WEST ZONE GRID CO-ORDINATES BASED ON THE GA. STATE PLANE CO-ORDINATE SYSTEM OF 1984 (NAD 1983)/94. HORIZONTAL DATUM : NAD 1983/94 HARN VERTICAL DATUM : NAVD 1988

FUNCTIONAL CLASS: URBAN MINOR COLLECTOR

THIS PROJECT IS 100% IN ROCKDALE COUNTY AND IS 100% IN CONG.DIST.NO.4.

PROJECT DESIGNATION: EXEMPT

THIS PROJECT IS LOCATED IN:
LAND LOT NO.235, 236, 245, 246,
321, 322, 323, AND 324
LAND DISTRICT NO.10 AND 16.



PLANS PREPARED BY
ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

UNDER THE SUPERVISION OF:
JOHN MORDEN, P.E.

APPROVED: TROY A. HILL, STATE RIGHT OF WAY ADMINISTRATOR DATE

LOCATION AND DESIGN APPROVAL DATE: 06/03/2021

PLANS COMPLETED DATE: 06/18/2021

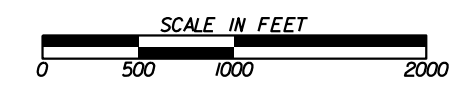
REVISIONS:

09/17/2021, 01/06/2022, 03/14/2022	
04/14/2022, 04/22/2022, 06/27/2022	
07/06/2022, 02/10/2023, 02/21/2023	
04/19/2023	

CSSTP-0006-00(934)
ROCKDALE COUNTY

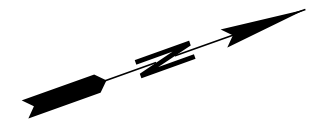
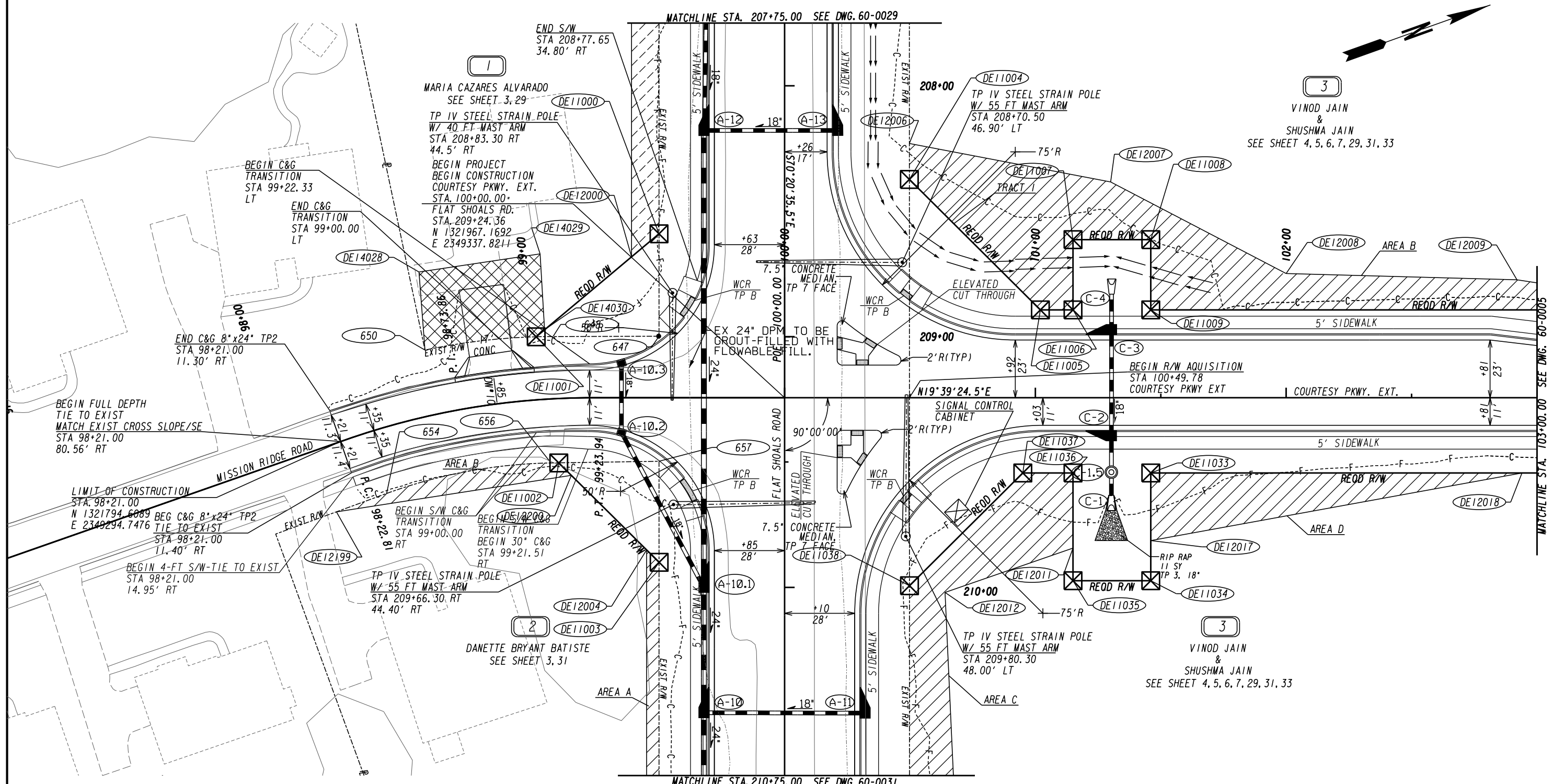
THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS OR IN ANYWAY INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER, ARE BASED UPON FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME ARE SHOWN AS INFORMATION ONLY, ARE NOT GUARANTEED, AND DO NOT BIND THE DEPARTMENT OF TRANSPORTATION IN ANY WAY. THE ATTENTION OF BIDDER IS SPECIFICALLY DIRECTED TO SUBSECTIONS 102.04, 102.05, AND 104.03 OF THE SPECIFICATIONS.

LENGTH OF RIGHT OF WAY PROJECT	ROCKDALE COUNTY NO.
	247
	MILES
NET LENGTH OF RIGHT OF WAY	2.5035
NET LENGTH OF BRIDGES	0.0594
NET LENGTH OF EXCEPTIONS	N/A
GROSS LENGTH OF RIGHT OF WAY	2.5035

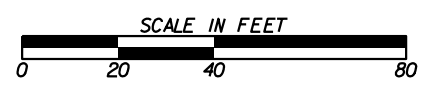


THIS PROJECT IS LOCATED 100% IN ROCKDALE COUNTY AND CONGRESSIONAL DISTRICT 4.

DRAWING No.
60-0001



3
VINOD JAIN
&
SHUSHMA JAIN
SEE SHEET 4, 5, 6, 7, 29, 31, 33



PROPERTY AND EXISTING R/W LINE	---
REQUIRED R/W LINE	---
CONSTRUCTION LIMITS	---
EASEMENT FOR CONSTR	---
& MAINTENANCE OF SLOPES	---
EASEMENT FOR CONSTR OF SLOPES	---
EASEMENT FOR CONSTR OF DRIVES	---

BEGIN LIMIT OF ACCESS.....BLA	---
END LIMIT OF ACCESS.....ELA	---
EXISTING LIMIT OF ACCESS	---
REQ'D LIMIT OF ACCESS	---
EXISTING LIMIT OF ACCESS & R/W	---
REQ'D LIMIT OF ACCESS & R/W	---
ORANGE BARRIER FENCE	---
ESA - ENV. SENSITIVE AREA	---

DATE	REVISIONS	DATE	REVISIONS
09/17/2021	DWESMNT ADDED TO PARCEL 1, PESMT ADDED TO PARCEL 2		
06/27/2022	PARCEL 3: AREA A ELIMINATED, AREA B REVISED.		
02/21/2023	PARCEL 1: PESMT REVISED TO TESMT.		

DATE	REVISIONS

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP
PROJECT NO: CSSTP-0006-00(934)
COUNTY: ROCKDALE
LAND LOT NO: 236
&
LAND DISTRICT: 10TH
GMD 476
DATE 6/18/21 SH 2 OF 45

DRAWING No.
60-0002

REQD R/W - PAR1/SV16 REQ'D R/W DE100
PARCEL 1 - MARIA CAZARES ALVARADO

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE11000	50.03 R	208+59.00	FLAT SHOALS RD CL
	40.85	S 70°20'54.8" E	
647	50.02 R	208+99.85	FLAT SHOALS RD CL
	42.24	S 19°30'45.0" W	
648	92.27 R	208+99.96	FLAT SHOALS RD CL

ARC LENGTH = 6.73
CHORD BEAR = S 18°44'23.6" W
LNTH CHORD = 6.73
RADIUS = 250.00
DEGREE = 22°55'07.4"

DE11001 99.00 R 209+00.07 FLAT SHOALS RD CL
N 20°19'35.8" W

DE11000 50.03 R 208+59.00 FLAT SHOALS RD CL
REQD R/W = 998.40 SF
REQD R/W = 0.023 ACRES
REMAINDER = +/- 0.344 ACRES

TESMT - PAR1/SV16
EASEMENT FOR CONSTRUCTION OF SLOPES DE200
PARCEL 1 - MARIA CAZARES ALVARADO

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
643	50.04 R	207+47.69	FLAT SHOALS RD CL
DE11000	50.03 R	208+59.00	FLAT SHOALS RD CL
DE12000	61.00 R	208+68.20	FLAT SHOALS RD CL
DE12001	61.00 R	207+49.00	FLAT SHOALS RD CL
DE12003	53.00 R	207+48.04	FLAT SHOALS RD CL
643	50.04 R	207+47.69	FLAT SHOALS RD CL

REQD EASMT AREA = 1264.01 SF
REQD EASMT = 0.029 ACRES

DWESMNT - PAR1/SV16 REQ'D DRWY. EASMT. DE411
PARCEL 1 - MARIA CAZARES ALVARADO

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
650	26.01 L	98+61.58	CL Mission Ridge Road
DE14028	57.00 L	98+65.00	CL Mission Ridge Road
DE14029	58.00 L	99+06.00	CL Mission Ridge Road
DE14030	27.69 L	99+06.00	CL Mission Ridge Road
DE11001	25.10 L	99+02.75	CL Mission Ridge Road

ARC LENGTH = 44.72
CHORD BEAR = S 12°50'38.0" W
LNTH CHORD = 44.66
RADIUS = 250.00
DEGREE = 22°55'07.4"

650 26.01 L 98+61.58 CL Mission Ridge Road

REQD R/W - PAR2/SV17 REQ'D R/W DE101
PARCEL 2 - DANETTE BRYANT BATISTE

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE11002	90.00 R	209+50.35	FLAT SHOALS RD CL
	39.99	N 18°44'15.3" E	
657	50.02 R	209+49.71	FLAT SHOALS RD CL
	40.29	S 70°20'54.7" E	
DE11003	50.02 R	209+90.00	FLAT SHOALS RD CL
	56.31	S 64°25'00.4" W	
DE11002	90.00 R	209+50.35	FLAT SHOALS RD CL

REQD R/W = 805.44 SF
REQD R/W = 0.018 ACRES
REMAINDER = +/- 0.446 ACRES

PESMT AREA A - PAR2/SV17
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES DE201
PARCEL 2 - DANETTE BRYANT BATISTE

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE11003	50.02 R	209+90.00	FLAT SHOALS RD CL
	103.56	S 70°20'54.7" E	
609	50.01 R	210+93.56	FLAT SHOALS RD CL
	5.30	S 0°12'26.1" W	
DE12002	55.00 R	210+95.32	FLAT SHOALS RD CL
	110.26	N 70°20'35.5" W	
DE12004	55.00 R	209+85.06	FLAT SHOALS RD CL
	7.02	N 64°25'00.4" E	
DE11003	50.02 R	209+90.00	FLAT SHOALS RD CL

REQD EASMT AREA A = 533.34 SF
REQD EASMT AREA A = 0.012 ACRES

PESMT AREA B - PAR2/SV17
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES DE245
PARCEL 2 - DANETTE BRYANT BATISTE

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE12199	25.91 R	98+10.19	CL Mission Ridge Road
	21.31	N 0°26'00.0" W	
654	25.48 R	98+32.30	CL Mission Ridge Road

ARC LENGTH = 66.92
CHORD BEAR = N 9°09'06.9" E
LNTH CHORD = 66.61
RADIUS = 200.00
DEGREE = 28°38'52.4"

656 25.51 R 99+05.28 CL Mission Ridge Road
N 18°44'15.3" E

DE11002 25.64 R 99+08.69 CL Mission Ridge Road
N 64°25'00.4" E

DE12200 30.83 R 99+14.00 CL Mission Ridge Road
S 10°50'07.2" W

DE12199 25.91 R 98+10.19 CL Mission Ridge Road

REQD EASMT AREA B = 540.37 SF
REQD EASMT AREA B = 0.012 ACRES

REQD EASMT AREA A = 533.34 SF
REQD EASMT AREA A = 0.012 ACRES

REQD EASMT AREA B = 540.37 SF
REQD EASMT AREA B = 0.012 ACRES

TOTAL REQD EASMT = 1073.71 SF
TOTAL REQD EASMT = 0.025 ACRES

REQD R/W TRACT 1 - PAR3/SV10 REQ'D R/W DE102
PARCEL 3 - VINOD JAIN & SHUSHMA JAIN

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE11004	87.00 L	100+49.78	Courtesy Pkwy Ext
	73.70	N 64°32'03.4" E	
DE11005	35.00 L	101+02.00	Courtesy Pkwy Ext
	13.00	N 19°39'24.5" E	
DE11006	35.00 L	101+15.00	Courtesy Pkwy Ext
	28.00	N 70°20'35.5" W	
DE11007	63.00 L	101+15.00	Courtesy Pkwy Ext
	31.00	N 19°39'24.5" E	
DE11008	63.00 L	101+46.00	Courtesy Pkwy Ext
	28.00	S 70°20'35.5" E	
DE11009	35.00 L	101+46.00	Courtesy Pkwy Ext
	280.85	N 19°39'24.5" E	
DE11010	35.00 L	104+26.85	Courtesy Pkwy Ext
	158.05	N 25°51'06.3" E	
DE11011	30.00 L	105+80.00	Courtesy Pkwy Ext

ARC LENGTH = 95.79
CHORD BEAR = N 31°05'44.7" E
LNTH CHORD = 95.76
RADIUS = 1030.00
DEGREE = 5°33'45.7"

DE11012 30.00 L 106+73.00 Courtesy Pkwy Ext
N 81°11'46.5" W

DE11013 55.00 L 106+62.00 Courtesy Pkwy Ext
N 7°44'53.3" E

DE11014 68.00 L 106+87.00 Courtesy Pkwy Ext
S 82°34'16.5" E

DE11015 30.00 L 107+06.00 Courtesy Pkwy Ext

ARC LENGTH = 148.32
CHORD BEAR = N 39°46'33.8" E
LNTH CHORD = 148.19
RADIUS = 1030.00
DEGREE = 5°33'45.7"

DE11016 30.00 L 108+50.00 Courtesy Pkwy Ext
N 46°05'55.1" W

DE11017 35.00 L 108+50.00 Courtesy Pkwy Ext

ARC LENGTH = 187.67
CHORD BEAR = N 49°05'44.9" E
LNTH CHORD = 187.41
RADIUS = 1035.00
DEGREE = 5°32'09.0"

DE11018 35.00 L 110+31.32 Courtesy Pkwy Ext
N 54°17'25.0" E

DE11019 35.00 L 114+20.12 Courtesy Pkwy Ext
S 89°20'53.8" E

220 43.13 R 115+08.68 Courtesy Pkwy Ext
N 89°24'43.8" E

DE11020 84.11 R 115+43.00 Courtesy Pkwy Ext
S 49°13'31.0" E

DE11021 90.00 R 115+43.00 Courtesy Pkwy Ext
S 44°01'11.9" W

DE11022 90.00 R 114+85.00 Courtesy Pkwy Ext
N 42°44'05.1" W

DE11023 35.00 R 114+85.00 Courtesy Pkwy Ext

ARC LENGTH = 67.07
CHORD BEAR = S 50°46'39.9" W
LNTH CHORD = 67.03
RADIUS = 547.00
DEGREE = 10°28'28.4"

DE11024 35.00 R 114+22.22 Courtesy Pkwy Ext
S 54°17'25.0" W

DE11025 35.00 R 111+00.00 Courtesy Pkwy Ext
N 35°42'35.0" W

DE11026 30.00 R 111+00.00 Courtesy Pkwy Ext
S 54°17'25.0" W

DE11027 30.00 R 110+31.32 Courtesy Pkwy Ext

ARC LENGTH = 283.55
CHORD BEAR = S 45°54'57.2" W
LNTH CHORD = 282.54
RADIUS = 970.00
DEGREE = 5°54'24.4"

DE11028 30.00 R 107+39.00 Courtesy Pkwy Ext
S 80°58'18.3" E

REQD R/W TRACT 1 - PAR3/SV10 REQ'D R/W DE102
PARCEL 3 - VINOD JAIN & SHUSHMA JAIN (CONT.)

DE11029	74.00 R	107+65.00	Courtesy Pkwy Ext
	30.57	S 8°49'00.0" W	
DE11030	89.00 R	107+36.00	Courtesy Pkwy Ext
	66.66	N 81°19'27.0" W	
DE11031	30.00 R	107+03.00	Courtesy Pkwy Ext

ARC LENGTH = 267.86
CHORD BEAR = S 27°34'04.2" W
LNTH CHORD = 267.01
RADIUS = 970.00
DEGREE = 5°54'24.4"

DE11032 30.00 R 104+26.85 Courtesy Pkwy Ext
S 19°39'24.5" W

DE11033 30.00 R 101+46.00 Courtesy Pkwy Ext
S 70°20'35.5" E

DE11034 73.00 R 101+46.00 Courtesy Pkwy Ext
S 19°39'24.5" W

DE11035 73.00 R 101+15.00 Courtesy Pkwy Ext
N 70°20'35.5" W

DE11036 30.00 R 101+15.00 Courtesy Pkwy Ext
S 19°39'24.5" W

DE11037 30.00 R 100+95.00 Courtesy Pkwy Ext
S 25°13'53.4" E

DE11038 75.00 R 100+49.82 Courtesy Pkwy Ext
162.00 N 70°21'35.4" W

DE11004 87.00 L 100+49.78 Courtesy Pkwy Ext
REQD R/W TRACT 1 = 101656.58 SF
REQD R/W TRACT 1 = 2.334 ACRES

REQD R/W TRACT 2 - PAR3/SV10 REQ'D R/W DE103
PARCEL 3 - VINOD JAIN & SHUSHMA JAIN

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE11039	50.04 L	217+57.00	FLAT SHOALS RD CL
	16.96	N 19°39'24.5" E	
DE11040	67.00 L	217+57.00	FLAT SHOALS RD CL
	51.44	S 70°20'35.5" E	
DE11041	67.00 L	218+08.44	FLAT SHOALS RD CL
	17.51	S 4°56'56.3" W	
210	50.06 L	218+12.89	FLAT SHOALS RD CL
	55.89	N 70°21'35.4" W	
DE11039	50.04 L	217+57.00	FLAT SHOALS RD CL

REQD R/W TRACT 2 = 909.52 SF
REQD R/W TRACT 2 = 0.021 ACRES

REQD R/W TRACT 1 = 101656.58 SF
REQD R/W TRACT 1 = 2.334 ACRES

REQD R/W TRACT 2 = 909.52 SF
REQD R/W TRACT 2 = 0.021 ACRES

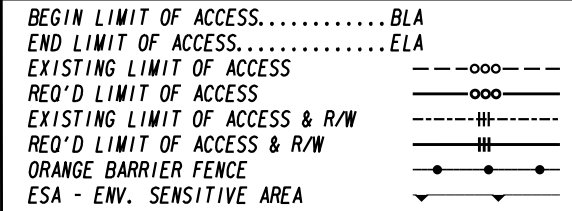
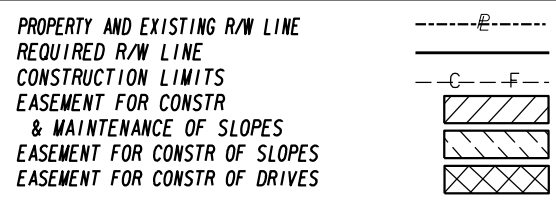
TOTAL REQD R/W = 102131.54 SF
TOTAL REQD R/W = 2.355 ACRES

REMAINDER LT = +/- 10.200 ACRES
REMAINDER RT = +/- 17.221 ACRES

TESMT FOR DEMO - PAR3/SV10
EASEMENT FOR REMOVAL OF STRUCTURES DE300
PARCEL 3 - VINOD JAIN & SHUSHMA JAIN

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE13002	54.67 R	108+01.92	Courtesy Pkwy Ext
DE12026	36.00 R	109+10.00	Courtesy Pkwy Ext
DE12027	38.00 R	110+31.32	Courtesy Pkwy Ext
DE13005	38.56 R	110+50.00	Courtesy Pkwy Ext
DE13004	79.29 R	110+43.00	Courtesy Pkwy Ext
DE13003	105.18 R	108+45.00	Courtesy Pkwy Ext
DE13002	54.67 R	108+01.92	Courtesy Pkwy Ext

REQD EASMT AREA = 11608.05 SF



DATE	REVISIONS	DATE	REVISIONS
09/17/2021	DWESMNT ADDED TO PAR 1, PESMT ADDED TO PAR 2, DEMO TESMT ADDED TO PAR 3		
02/21/2023	PARCEL 1: PESMT REVISED TO TESMT.		

DATE	REVISIONS

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY TABLES

PROJECT NO: CSSTP-0006-00(934)
COUNTY: ROCKDALE
LAND LOT NO:
LAND DISTRICT:
GMD
DATE 6/18/21 SH 3 OF 45

DRAWING No.
60-0003

PESMT AREA D - PAR3/SVIO
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES DE205
PARCEL 3 - VINOD JAIN & SHUSHMA JAIN

Table with columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Rows include DE11033, DE12018, DE12017, DE11033.

PESMT AREA E - PAR3/SVIO
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES AND DRAINAGE AND UTILITIES DE206
PARCEL 3 - VINOD JAIN & SHUSHMA JAIN

Table with columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Rows include DE11010, DE12033, DE12034, DE12035, DE12036, DE12037, DE12038, DE12039, DE12040, DE12041, DE12042, DE11019, DE11018.

PESMT AREA F - PAR3/SVIO
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES AND DRAINAGE AND UTILITIES DE207
PARCEL 3 - VINOD JAIN & SHUSHMA JAIN

Table with columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Rows include DE11017, DE11016, DE11015, DE11014, DE11013, DE11012, DE11011.

PESMT AREA G - PAR3/SVIO
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES AND DRAINAGE AND UTILITIES DE208
PARCEL 3 - VINOD JAIN & SHUSHMA JAIN (CONT.)

Table with columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Rows include DE11010, DE11032.

PESMT AREA H - PAR3/SVIO
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES DE209
PARCEL 3 - VINOD JAIN & SHUSHMA JAIN

Table with columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Rows include DE12019, DE11032, DE11031, DE12024, DE12023, DE12022, DE12021, DE12020, DE12019.

PESMT AREA G - PAR3/SVIO
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES DE208
PARCEL 3 - VINOD JAIN & SHUSHMA JAIN

Table with columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Rows include DE12025, DE11028, DE11027, DE11026, DE11025, DE11024, DE11023, DE12032, DE12031, DE12030, DE12029.

PESMT AREA G - PAR3/SVIO
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES DE208
PARCEL 3 - VINOD JAIN & SHUSHMA JAIN (CONT.)

Table with columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Rows include DE12028, DE12027, DE12026, DE12025.

PESMT AREA H - PAR3/SVIO
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES DE209
PARCEL 3 - VINOD JAIN & SHUSHMA JAIN

Table with columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Rows include DE12043, DE12044, DE12045, DE11040, DE11039, DE12043.

REQD EASMT AREA H = 365.80 SF
REQD EASMT AREA H = 0.008 ACRES
REQD EASMT AREA B = 6456.65 SF
REQD EASMT AREA B = 0.148 ACRES

REQD EASMT AREA C = 6486.73 SF
REQD EASMT AREA C = 0.149 ACRES
REQD EASMT AREA D = 1998.00 SF
REQD EASMT AREA D = 0.046 ACRES

REQD EASMT AREA E = 22002.17 SF
REQD EASMT AREA E = 0.505 ACRES
REQD EASMT AREA F = 5935.98 SF
REQD EASMT AREA F = 0.136 ACRES

REQD EASMT AREA G = 9508.90 SF
REQD EASMT AREA G = 0.218 ACRES
REQD EASMT AREA H = 365.80 SF
REQD EASMT AREA H = 0.008 ACRES

TOTAL REQD EASMT = 52754.23 SF
TOTAL REQD EASMT = 1.211 ACRES

DWESMT - PAR3/SVIO
EASEMENT FOR CONSTR OF DRIVES DE400
PARCEL 3 - VINOD JAIN & SHUSHMA JAIN

Table with columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Rows include DE14000, DE14001, DE11041, DE12045, DE12044, DE14000.

PESMT AREA B - PAR3/SVIO
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES AND DRAINAGE AND UTILITIES DE203
PARCEL 3 - VINOD JAIN & SHUSHMA JAIN

Table with columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Rows include DE12006, DE12007, DE12008, DE12009, DE12010, DE11009, DE11008, DE11007, DE11006, DE11005, DE11004, DE12006.

PESMT AREA C - PAR3/SVIO
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES DE204
PARCEL 3 - VINOD JAIN & SHUSHMA JAIN

Table with columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Rows include DE11036, DE12011, DE12012, DE12013, DE12014, DE11038, DE11037, DE11036.

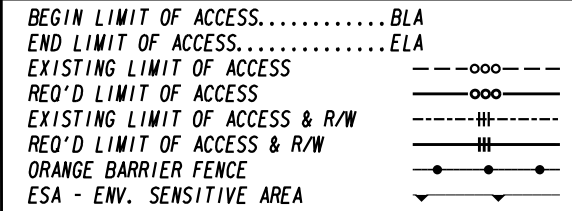
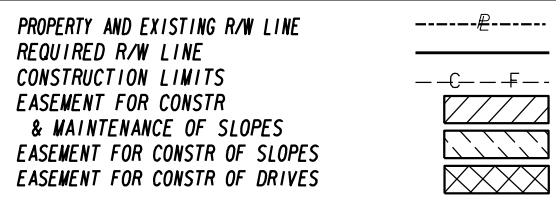
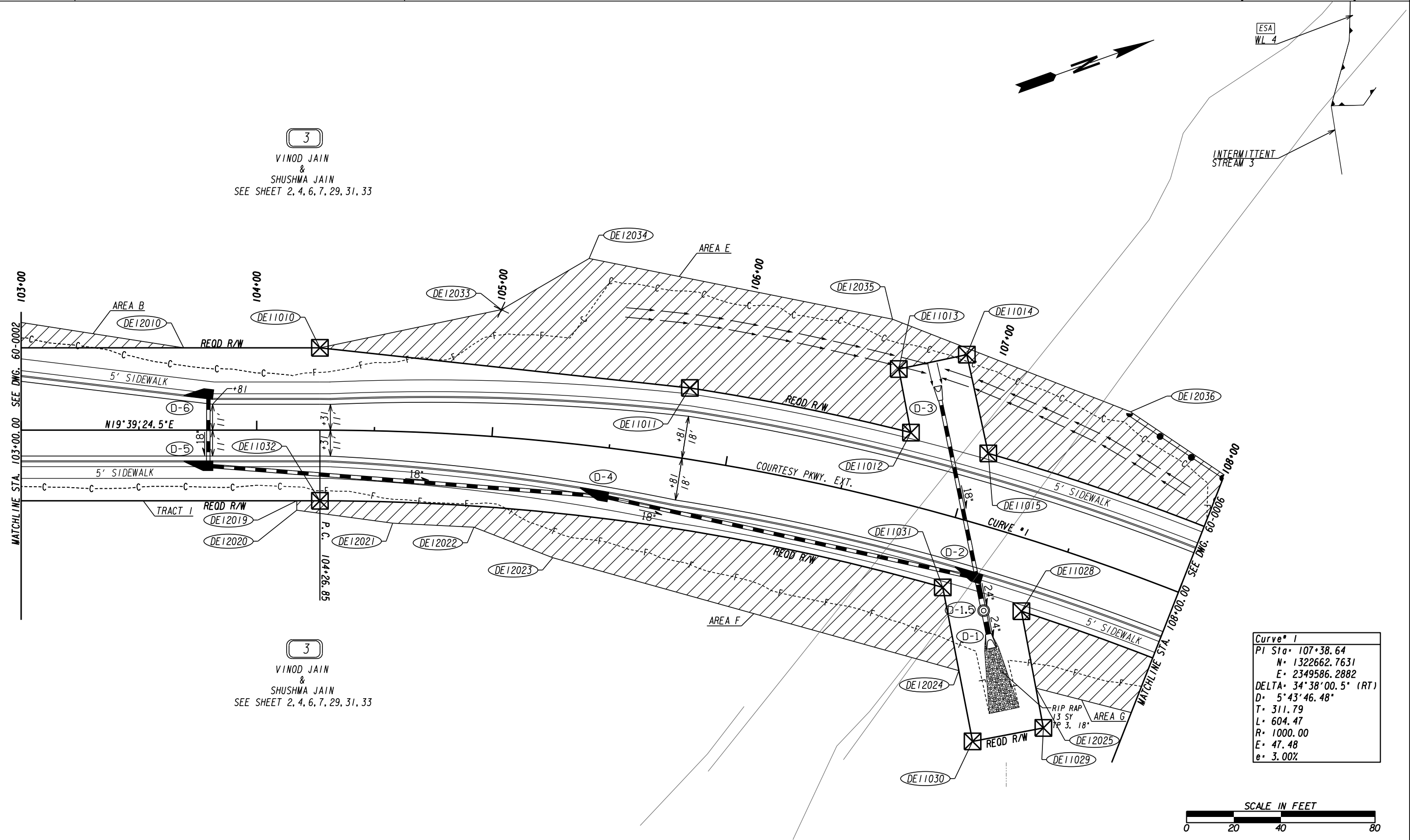


Table with columns: DATE, REVISIONS. Rows include 04/22/2022 and 06/27/2022.

Table with columns: DATE, REVISIONS. Rows include 04/22/2022 and 06/27/2022.

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY TABLES
PROJECT NO: CSSTP-0006-00(934)
COUNTY: ROCKDALE
LAND LOT NO:
LAND DISTRICT:
DATE 6/18/21 SH 4 OF 45
DRAWING No.
60-0004



3
VINOD JAIN
&
SHUSHMA JAIN
SEE SHEET 2, 4, 6, 7, 29, 31, 33

3
VINOD JAIN
&
SHUSHMA JAIN
SEE SHEET 2, 4, 6, 7, 29, 31, 33

Curve # 1	
PI Sta	107+38.64
N	1322662.7631
E	2349586.2882
DELTA	34°38'00.5" (RT)
D	5°43'46.48"
T	311.79
L	604.47
R	1000.00
E	47.48
e	3.00%



PROPERTY AND EXISTING R/W LINE	-----e-----
REQUIRED R/W LINE	-----
CONSTRUCTION LIMITS	---C---F---
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF SLOPES	[Diagonal Hatched Box]
EASEMENT FOR CONSTR OF DRIVES	[Cross-hatched Box]

BEGIN LIMIT OF ACCESS.....BLA	-----o-----
END LIMIT OF ACCESS.....ELA	-----o-----
EXISTING LIMIT OF ACCESS	-----o-----
REQ'D LIMIT OF ACCESS	-----o-----
EXISTING LIMIT OF ACCESS & R/W	-----o-----
REQ'D LIMIT OF ACCESS & R/W	-----o-----
ORANGE BARRIER FENCE	-----o-----
ESA - ENV. SENSITIVE AREA	-----o-----

DATE	REVISIONS	DATE	REVISIONS

DATE	REVISIONS	DATE	REVISIONS

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

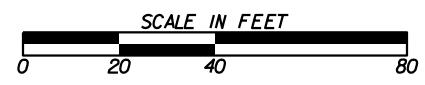
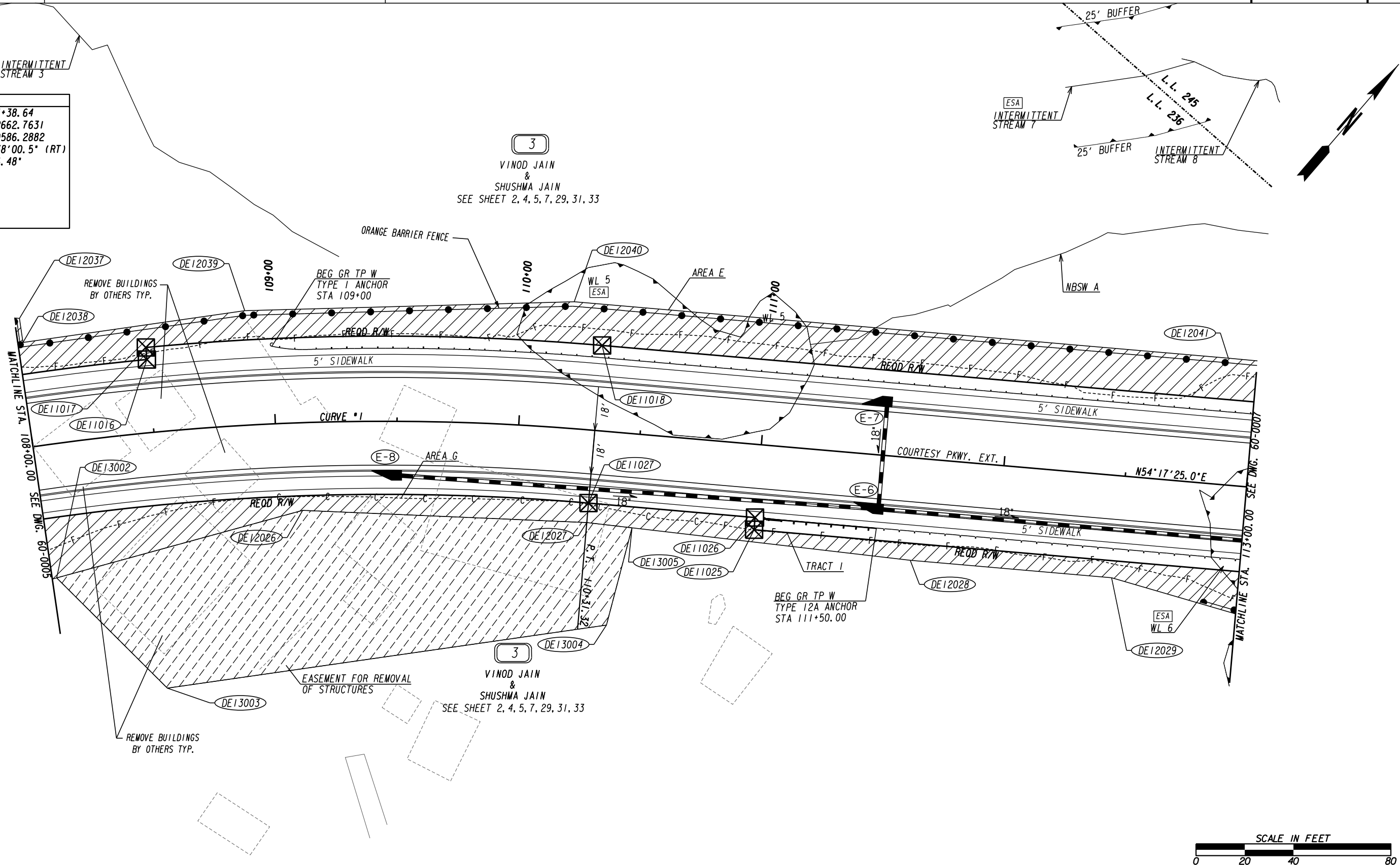
RIGHT OF WAY MAP

PROJECT NO: CSSTP-0006-00(934)
COUNTY: ROCKDALE
LAND LOT NO: 236
LAND DISTRICT: 10TH
GMD 476
DATE 6/18/21 SH 5 OF 45

DRAWING No.
60-0005

Curve *1
 PI Sta: 107+38.64
 N: 1322662.7631
 E: 2349586.2882
 DELTA: 34°38'00.5" (RT)
 D: 5°43'46.48"
 T: 311.79
 L: 604.47
 R: 1000.00
 E: 47.48
 e: 3.00%

3
 VINOD JAIN
 &
 SHUSHMA JAIN
 SEE SHEET 2, 4, 5, 7, 29, 31, 33



PROPERTY AND EXISTING R/W LINE	-----e-----
REQUIRED R/W LINE	-----
CONSTRUCTION LIMITS	---C---F---
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF SLOPES	[Diagonal Hatched Box]
EASEMENT FOR CONSTR OF DRIVES	[Cross-hatched Box]

BEGIN LIMIT OF ACCESS.....BLA	-----o-----
END LIMIT OF ACCESS.....ELA	-----o-----
EXISTING LIMIT OF ACCESS	-----o-----
REQ'D LIMIT OF ACCESS	-----o-----
EXISTING LIMIT OF ACCESS & R/W	-----o-----
REQ'D LIMIT OF ACCESS & R/W	-----o-----
ORANGE BARRIER FENCE	-----o-----
ESA - ENV. SENSITIVE AREA	-----o-----

DATE	REVISIONS	DATE	REVISIONS
09/17/2021	DEMO TESMT ADDED TO PARCEL 3		

DATE	REVISIONS

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP
 PROJECT NO: CSSTP-0006-00(934)
 COUNTY: ROCKDALE
 LAND LOT NO: 236, 245
 LAND DISTRICT: 10TH
 GMD 476
 DATE 6/18/21 SH 6 OF 45

DRAWING No.
60-0006

PESMT AREA G - PAR4/SV8
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES AND DRAINAGE AND UTILITIES DE247
PARCEL 4 - BECKY BINION BEHNEN

Table with 4 columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Includes data for points DE11170 through DE11054 and summary statistics for REQD EASMT AREA G, A, B, C, D, E, F, G.

DWESMT - PAR4/SV8 EASEMENT FOR CONSTR OF DRIVES DE401
PARCEL 4 - BECKY BINION BEHNEN

Table with 4 columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Includes data for points DE14002 through DE14003.

REQD R/W TRACT 1 - PAR5/SV9 REQ'D R/W DE106
PARCEL 5 - SPRINGFIELD CHRISTIAN MINISTRIES INC

Table with 4 columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Includes data for points DE11066 through DE11070 and summary statistics for REQD R/W TRACT 1.

REQD R/W TRACT 2 - PAR5/SV9 REQ'D R/W DE107
PARCEL 5 - SPRINGFIELD CHRISTIAN MINISTRIES INC

Table with 4 columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Includes data for points 215, DE11071, DE11072, DE11076, DE11077 and summary statistics for REQD R/W TRACT 2.

REQD R/W TRACT 1 = 80347.51 SF
REQD R/W TRACT 1 = 1.845 ACRES
REQD R/W TRACT 2 = 80829.34 SF
REQD R/W TRACT 2 = 1.856 ACRES
TOTAL REQD R/W = 161176.85 SF
TOTAL REQD R/W = 3.700 ACRES
REMAINDER = +/- 39.046 ACRES

PESMT AREA A - PAR5/SV9
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES DE215
PARCEL 5 - SPRINGFIELD CHRISTIAN MINISTRIES INC

Table with 4 columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Includes data for points DE12005 through DE11067 and summary statistics for REQD EASMT AREA A.

PESMT AREA B - PAR5/SV9
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES DE216
PARCEL 5 - SPRINGFIELD CHRISTIAN MINISTRIES INC

Table with 4 columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Includes data for points DE12087 through DE12089 and summary statistics for REQD EASMT AREA B.

TOTAL REQD EASMT = 19583.87 SF
TOTAL REQD EASMT = 0.450 ACRES

TESMT FOR DEMO - PAR5/SV27
EASEMENT FOR REMOVAL OF STRUCTURES DE303
PARCEL 5 - SPRINGFIELD CHRISTIAN MINISTRIES INC

Table with 4 columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Includes data for points DE12080 through DE12089 and summary statistics for REQD EASMT.

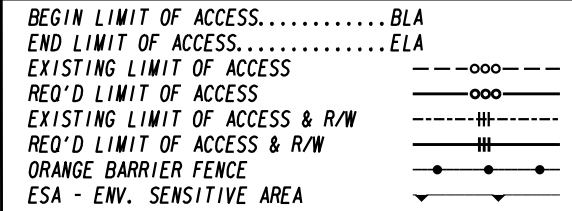
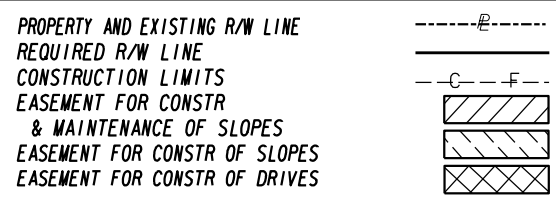
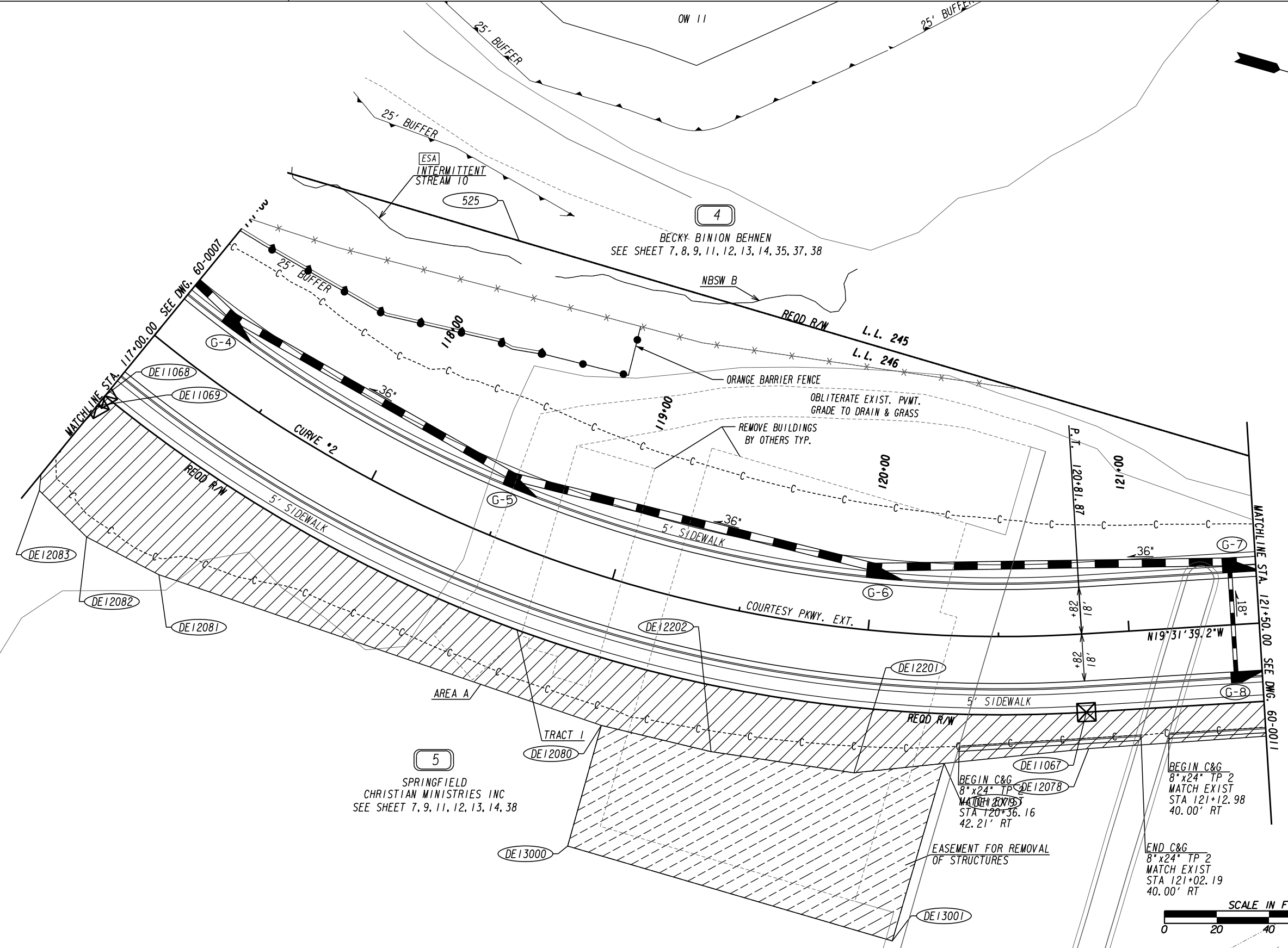


Table with 2 columns: DATE, REVISIONS. Includes revision history from 09/17/2021 to 07/10/2023.

Table with 2 columns: DATE, REVISIONS. Includes revision history from 09/17/2021 to 07/10/2023.

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY TABLES
PROJECT NO: CSSTP-0006-00(934)
COUNTY: ROCKDALE
LAND LOT NO:
LAND DISTRICT:
GMD
DATE 6/18/21 SH 9 OF 45
DRAWING No.
60-0009

Curve # 2
 PI Sta- 118+06.77
 N- 1323297.3587
 E- 2350469.1053
 DELTA- 73°49'04.2" (LT)
 D- 11'11"26.09"
 T- 384.55
 L- 659.64
 R- 512.00
 E- 128.33
 e- 3.80%



PROPERTY AND EXISTING R/W LINE	-----e-----
REQUIRED R/W LINE	-----
CONSTRUCTION LIMITS	-----C-----
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	-----F-----
EASEMENT FOR CONSTR OF SLOPES	-----H-----
EASEMENT FOR CONSTR OF DRIVES	-----X-----

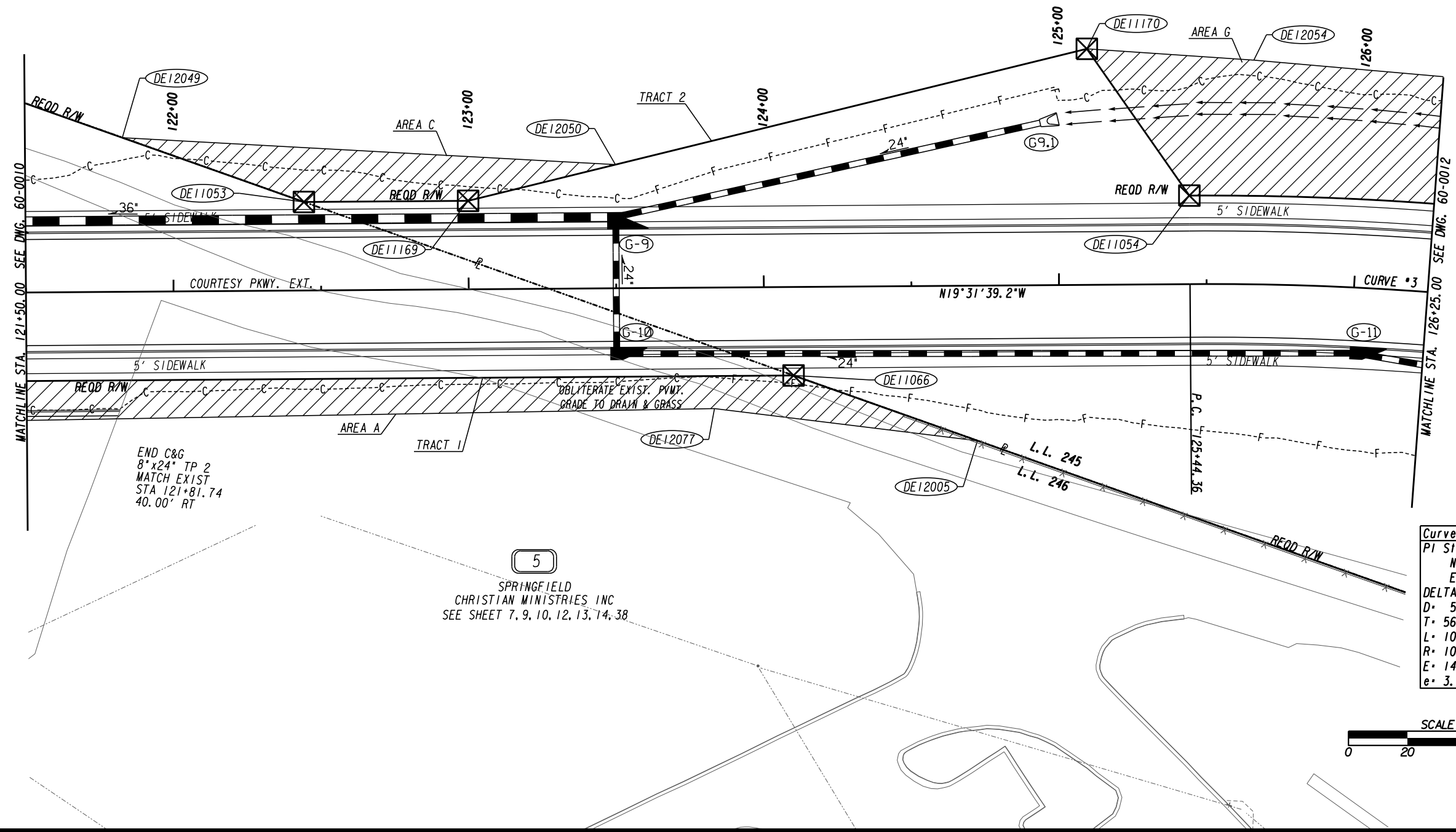
BEGIN LIMIT OF ACCESS.....BLA	-----o-----
END LIMIT OF ACCESS.....ELA	-----o-----
EXISTING LIMIT OF ACCESS	-----o-----
REQ'D LIMIT OF ACCESS	-----o-----
EXISTING LIMIT OF ACCESS & R/W	-----H-----
REQ'D LIMIT OF ACCESS & R/W	-----H-----
ORANGE BARRIER FENCE	-----●-----
ESA - ENV. SENSITIVE AREA	-----▽-----

DATE	REVISIONS	DATE	REVISIONS
09/17/2021	REVISED PESMT AREA A PARCEL 5, ADDED DEMO TESMT PARCEL 5		

STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION	
RIGHT OF WAY MAP	
PROJECT NO: CSSTP-0006-00(934)	COUNTY: ROCKDALE
LAND LOT NO: 245, 246	LAND DISTRICT: 10TH
GMD 476	DATE 6/18/21 SH 10 OF 45

DRAWING No.	60-0010
-------------	----------------

(4)
BECKY BINION BEHNEN
SEE SHEET 7, 8, 9, 10, 12, 13, 14, 35, 37, 38



END C&G
8" x 24" TP 2
MATCH EXIST
STA 121+81.74
40.00' RT

(5)
SPRINGFIELD
CHRISTIAN MINISTRIES INC
SEE SHEET 7, 9, 10, 12, 13, 14, 38

Curve # 3	
PI Sta	131+09.96
N	1324628.7449
E	2349996.9159
DELTA	58°59'05.1" (RT)
D	5'43'46.48"
T	565.60
L	1029.48
R	1000.00
E	148.87
e	3.00%



PROPERTY AND EXISTING R/W LINE	-----e-----
REQUIRED R/W LINE	-----
CONSTRUCTION LIMITS	-----C-----F-----
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF SLOPES	[Diagonal Hatched Box]
EASEMENT FOR CONSTR OF DRIVES	[Cross-hatched Box]

BEGIN LIMIT OF ACCESS.....BLA	-----o-----
END LIMIT OF ACCESS.....ELA	-----o-----
EXISTING LIMIT OF ACCESS	-----o-----
REQ'D LIMIT OF ACCESS	-----o-----
EXISTING LIMIT OF ACCESS & R/W	-----o-----
REQ'D LIMIT OF ACCESS & R/W	-----o-----
ORANGE BARRIER FENCE	-----o-----
ESA - ENV. SENSITIVE AREA	-----o-----

DATE	REVISIONS	DATE	REVISIONS
04/14/2022	PARCEL 4: REVISED REQ'D R/W TRACT 2. SPLIT PESMT AREA C INTO AREA C & AREA G		

DATE	REVISIONS

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

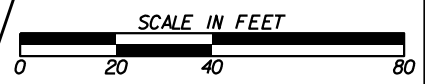
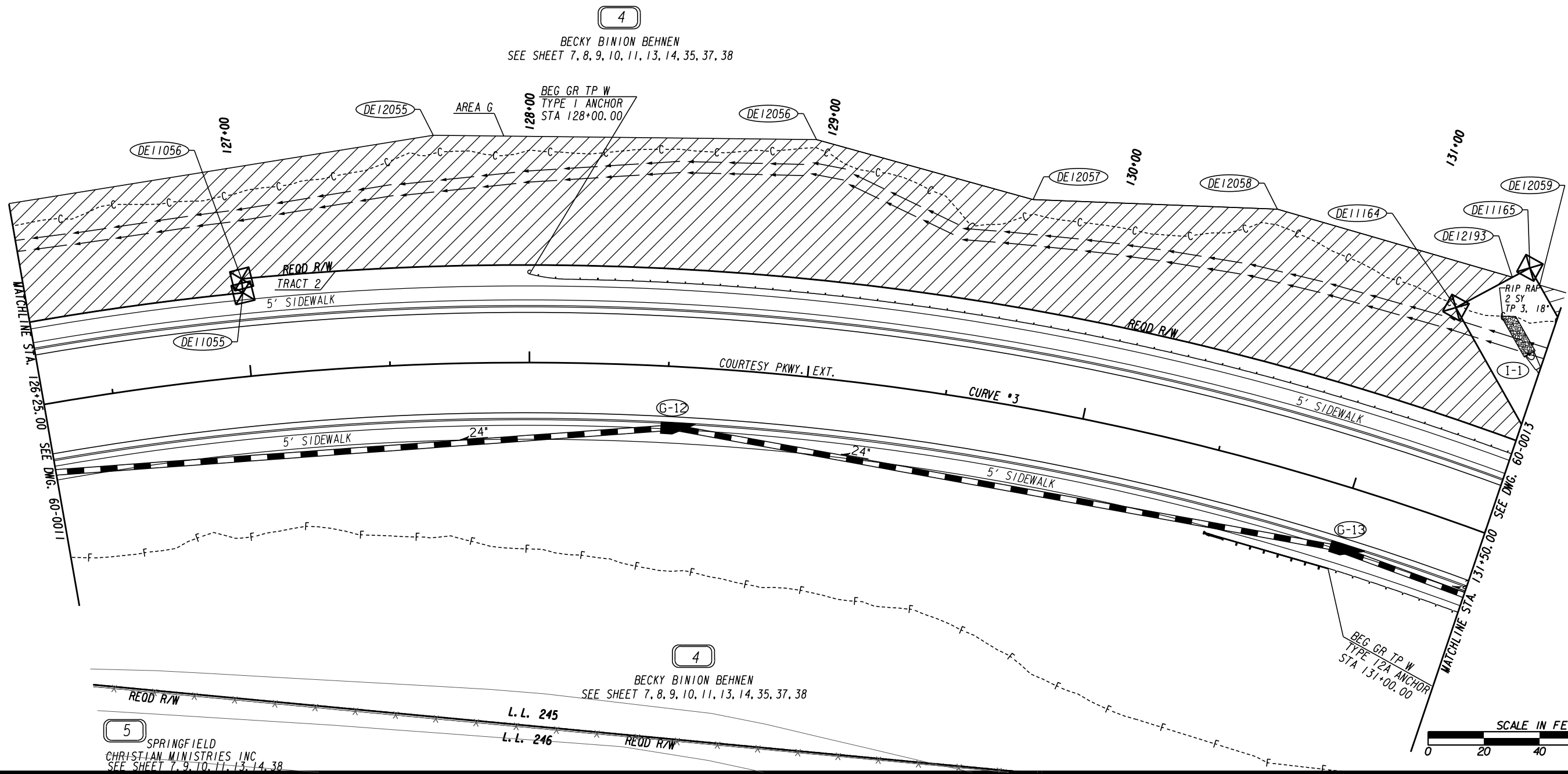
RIGHT OF WAY MAP

PROJECT NO: CSSTP-0006-00(934)
COUNTY: ROCKDALE
LAND LOT NO: 245, 246
LAND DISTRICT: 10TH
GMD 476
DATE 6/18/21 SH 11 OF 45

DRAWING No.
60-0011



Curve* 3
 PI Sta 131+09.96
 N= 1324628.7449
 E= 2349996.9159
 DELTA= 58°59'05.1" (RT)
 D= 5°43'46.48"
 T= 565.60
 L= 1029.48
 R= 1000.00
 E= 148.87
 e= 3.00%



PROPERTY AND EXISTING R/W LINE	-----e-----
REQUIRED R/W LINE	-----
CONSTRUCTION LIMITS	---C---F---
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF SLOPES	[Diagonal Hatched Box]
EASEMENT FOR CONSTR OF DRIVES	[Cross-hatched Box]

BEGIN LIMIT OF ACCESS.....BLA	-----o-----
END LIMIT OF ACCESS.....ELA	-----o-----
EXISTING LIMIT OF ACCESS	-----o-----
REQ'D LIMIT OF ACCESS	-----o-----
EXISTING LIMIT OF ACCESS & R/W	----- -----
REQ'D LIMIT OF ACCESS & R/W	----- -----
ORANGE BARRIER FENCE	-----●-----
ESA - ENV. SENSITIVE AREA	-----v-----

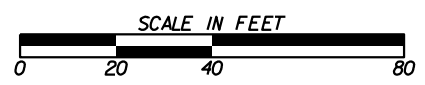
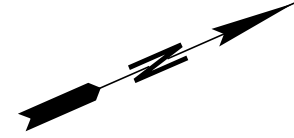
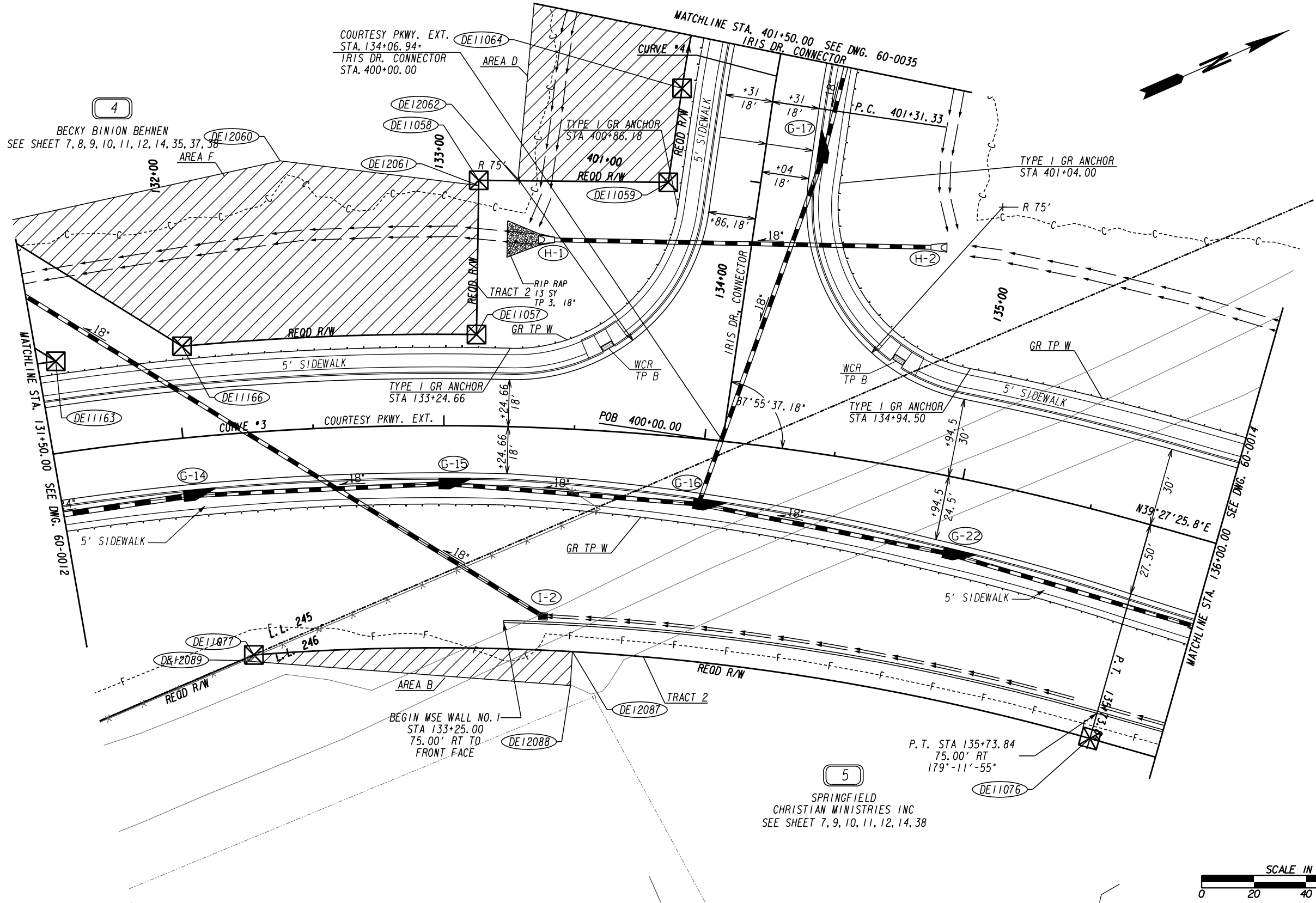
DATE	REVISIONS	DATE	REVISIONS
04/14/2022	PARCEL 4: REVISED REQ'D R/W TRACT 2. SPLIT PESMT AREA C INTO AREA C & AREA G		

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP
 PROJECT NO: CSSTP-0006-00(934)
 COUNTY: ROCKDALE
 LAND LOT NO: 245, 246
 LAND DISTRICT: 10TH
 GMD 476
 DATE 6/18/21 SH 12 OF 45

DRAWING No.
60-0012

Curve* 3
 PI Sta: 131+09.96
 N: 1324628.7449
 E: 2349996.9159
 DELTA: 58°59'05.1" (RT)
 D: 5°43'46.48"
 T: 565.60
 L: 1029.48
 R: 1000.00
 E: 148.87
 e: 3.00%

Curve* 4A
 PI Sta: 404+86.91
 N: 1325186.1350
 E: 2349848.4416
 DELTA: 87°34'06.3" (RT)
 D: 15°26'36.98"
 T: 355.58
 L: 567.02
 R: 371.00
 E: 142.89
 e: 4.00%



PROPERTY AND EXISTING R/W LINE	---
REQUIRED R/W LINE	---
CONSTRUCTION LIMITS	---
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	---
EASEMENT FOR CONSTR OF SLOPES	---
EASEMENT FOR CONSTR OF DRIVES	---

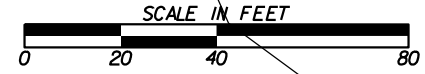
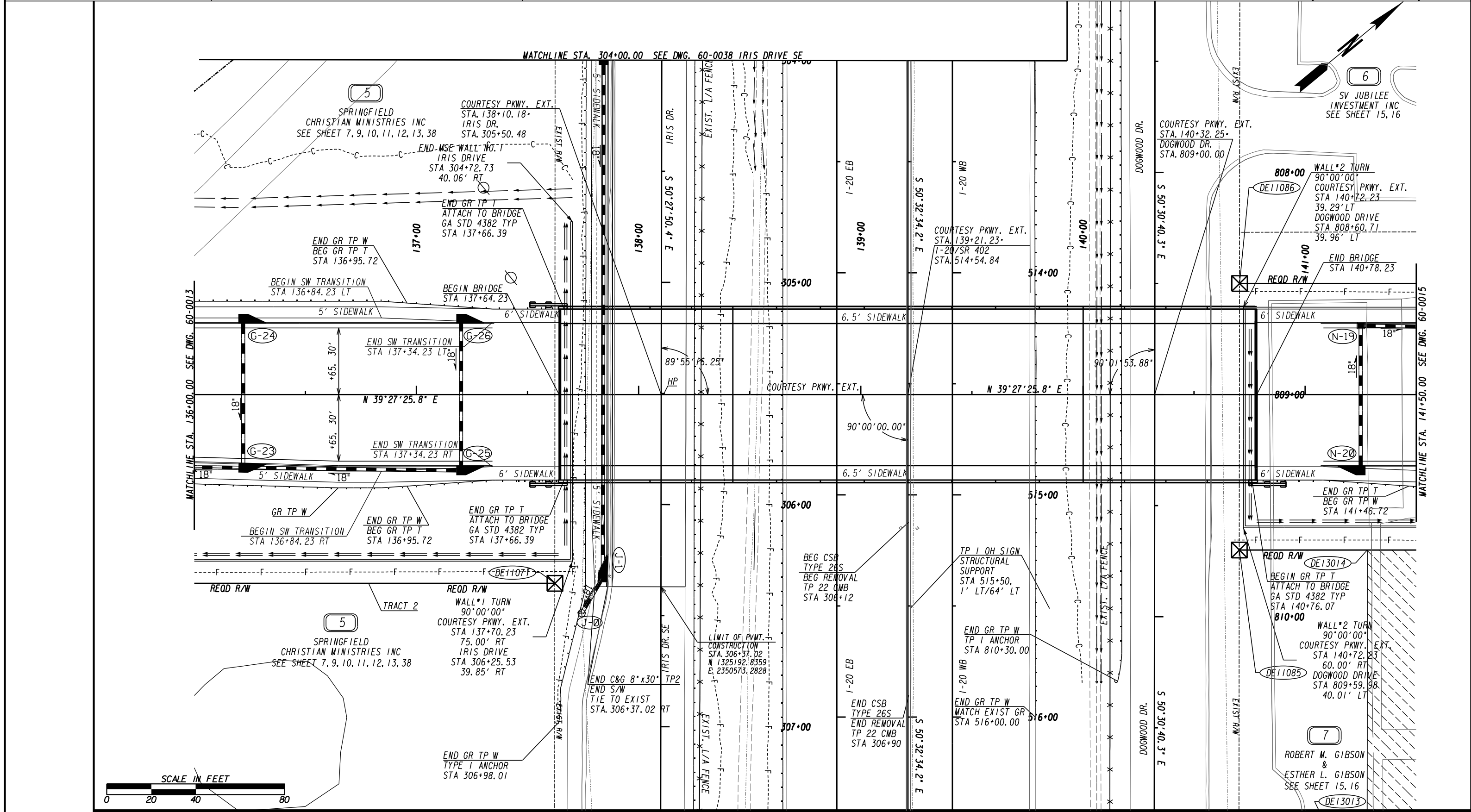
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END LIMIT OF ACCESS.....ELA	---
EXISTING LIMIT OF ACCESS	---
REQ'D LIMIT OF ACCESS	---
EXISTING LIMIT OF ACCESS & R/W	---
REQ'D LIMIT OF ACCESS & R/W	---
ORANGE BARRIER FENCE	---
ESA - ENV. SENSITIVE AREA	---

DATE	REVISIONS	DATE	REVISIONS

DATE	REVISIONS	DATE	REVISIONS

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP
 PROJECT NO: CSSTP-0006-00(934)
 COUNTY: ROCKDALE
 LAND LOT NO: 245, 246
 LAND DISTRICT: 10TH
 GMD 476
 DATE 6/18/21 SH 13 OF 45

DRAWING No.
60-0013



PROPERTY AND EXISTING R/W LINE	---
REQUIRED R/W LINE	---
CONSTRUCTION LIMITS	---
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	---
EASEMENT FOR CONSTR OF SLOPES	---
EASEMENT FOR CONSTR OF DRIVES	---

BEGIN LIMIT OF ACCESS.....BLA	---
END LIMIT OF ACCESS.....ELA	---
EXISTING LIMIT OF ACCESS	---
REQ'D LIMIT OF ACCESS	---
EXISTING LIMIT OF ACCESS & R/W	---
REQ'D LIMIT OF ACCESS & R/W	---
ORANGE BARRIER FENCE	---
ESA - ENV. SENSITIVE AREA	---

DATE	REVISIONS	DATE	REVISIONS
07/06/2022	PARCEL 7 - ADDED TEMPORARY DEMO EASEMENT		

STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION	
RIGHT OF WAY MAP	
PROJECT NO:CSSTP-0006-00(934)	COUNTY:ROCKDALE
LAND LOT NO:246	LAND DISTRICT:10TH
GMD476	DATE 6/18/21 SH 14 OF 45

DRAWING No.	60-0014
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REQD R/W - PAR6/SV6 REQ'D R/W DE108
PARCEL 6 - SV JUBILEE INVESTMENT INC

=====

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE11168	57.98 L	144+20.00	Courtesy Pkwy Ext
	14.02	N 68°17'12.3" W	
DE11079	72.00 L	144+20.00	Courtesy Pkwy Ext
	88.10	N 6°34'14.6" E	
DE11080	83.00 L	145+29.47	Courtesy Pkwy Ext
	61.03	S 50°22'04.4" E	
672	30.78 L	144+92.36	Courtesy Pkwy Ext
	69.53	S 39°19'46.0" W	
DE11168	57.98 L	144+20.00	Courtesy Pkwy Ext
REQD R/W	= 2717.57	SF	
REQD R/W	= 0.062	ACRES	
REMAINDER	= +/- 1.931	ACRES	

=====

REQD R/W - PART/SV7 REQ'D R/W DE109
PARCEL 7 - ROBERT M. GIBSON & ESTHER L. GIBSON

=====

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
672	30.78 L	144+92.36	Courtesy Pkwy Ext
	172.60	S 50°30'56.4" E	
DE11081	127.60 R	144+30.24	Courtesy Pkwy Ext
	32.02	S 39°20'47.5" W	
DE11082	118.00 R	144+07.00	Courtesy Pkwy Ext
	48.78	N 56°37'56.3" W	
DE11083	70.00 R	144+14.00	Courtesy Pkwy Ext
ARC LENGTH	= 135.38		
CHORD BEAR	= S 31°01'33.4" W		
LNTH CHORD	= 134.89		
RADIUS	= 460.00		
DEGREE	= 12°27'20.2"		
DE11084	70.00 R	142+99.22	Courtesy Pkwy Ext
	228.83	S 39°27'25.9" W	
DE11085	70.00 R	140+70.39	Courtesy Pkwy Ext
	120.00	N 50°29'10.8" W	
DE11086	50.00 L	140+70.51	Courtesy Pkwy Ext
	228.72	N 39°27'25.8" E	
DE11087	50.00 L	142+99.22	Courtesy Pkwy Ext
ARC LENGTH	= 105.29		
CHORD BEAR	= N 30°35'06.8" E		
LNTH CHORD	= 104.87		
RADIUS	= 340.00		
DEGREE	= 16°51'06.1"		
DE11167	50.00 L	144+20.00	Courtesy Pkwy Ext
	7.98	N 68°17'12.3" W	
DE11168	57.98 L	144+20.00	Courtesy Pkwy Ext
	69.53	N 39°19'46.0" E	
672	30.78 L	144+92.36	Courtesy Pkwy Ext
REQD R/W	= 50166.92	SF	
REQD R/W	= 1.152	ACRES	
REMAINDER LT	= +/- 0.166	ACRES	
REMAINDER RT	= +/- 1.490	ACRES	

=====

TESMT - DEMO - PART REQ'D TEMP. EASM'T. DE304
TESMT FOR DEMO - PART/SV7
EASEMENT FOR REMOVAL OF STRUCTURES DE304
PARCEL 7 - ROBERT M. GIBSON & ESTHER L. GIBSON

=====

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE13011	70.00 R	142+78.96	Courtesy Pkwy Ext
DE13012	232.61 R	142+78.87	Courtesy Pkwy Ext
DE13013	232.85 R	141+27.87	Courtesy Pkwy Ext
DE13014	70.00 R	141+27.96	Courtesy Pkwy Ext
DE13011	70.00 R	142+78.96	Courtesy Pkwy Ext
REQD EASMT AREA	= 24572.30	SF	

PROPERTY AND EXISTING R/W LINE -----e-----
REQUIRED R/W LINE -----
CONSTRUCTION LIMITS -C-F-
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

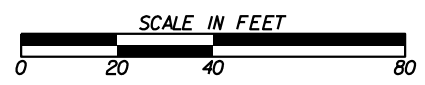
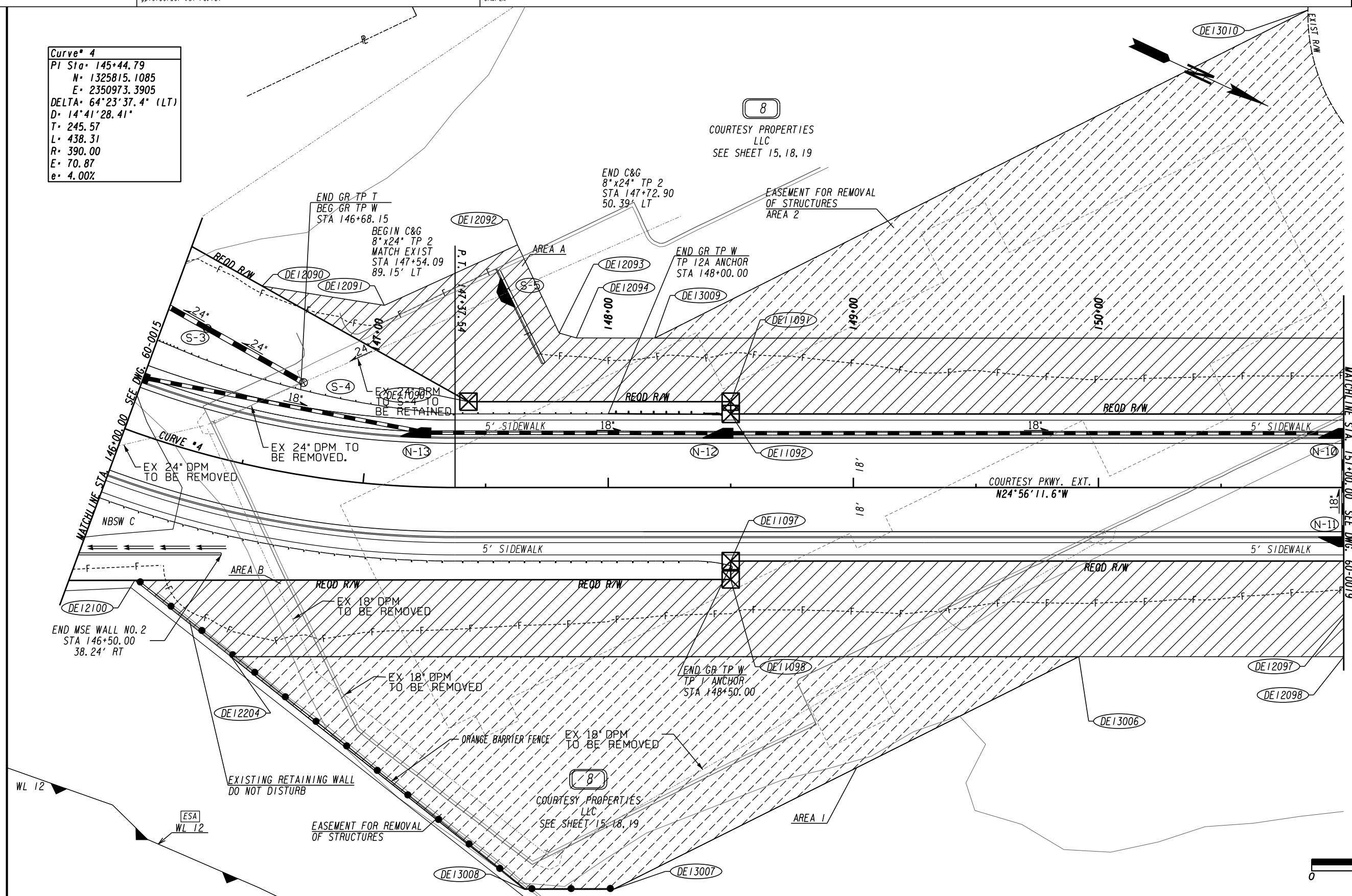
DATE	REVISIONS
07/06/2022	PARCEL 7 - ADDED TEMPORARY DEMO EASEMENT

DATE	REVISIONS

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY TABLES
PROJECT NO:CSSTP-0006-00(934)
COUNTY: ROCKDALE
LAND LOT NO:
LAND DISTRICT:
GMD
DATE 6/18/21 SH 16 OF 45

DRAWING No.
60-0016

Curve # 4
 PI Sta: 145+44.79
 N: 1325815.1085
 E: 2350973.3905
 DELTA: 64°23'37.4" (LT)
 D: 14°41'28.41"
 T: 245.57
 L: 438.31
 R: 390.00
 e: 70.87
 e: 4.00%



PROPERTY AND EXISTING R/W LINE	-----e-----
REQUIRED R/W LINE	-----f-----
CONSTRUCTION LIMITS	-----c-----
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	-----f-----
EASEMENT FOR CONSTR OF SLOPES	-----f-----
EASEMENT FOR CONSTR OF DRIVES	-----f-----

BEGIN LIMIT OF ACCESS.....BLA	-----o-----
END LIMIT OF ACCESS.....ELA	-----o-----
EXISTING LIMIT OF ACCESS	-----o-----
REQ'D LIMIT OF ACCESS	-----o-----
EXISTING LIMIT OF ACCESS & R/W	-----o-----
REQ'D LIMIT OF ACCESS & R/W	-----o-----
ORANGE BARRIER FENCE	-----o-----
ESA - ENV. SENSITIVE AREA	-----o-----

DATE	REVISIONS	DATE	REVISIONS
09/17/2021	REVISED PSEMT AREA A AND AREA B PARCEL B, ADDED DEMO TESMT AREAS PARCEL B		
07/10/2023	ADDED AREA 1 AND 2 FOR TEASMT PARCEL B		

DATE	REVISIONS

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP
 PROJECT NO: CSSTP-0006-00(934)
 COUNTY: ROCKDALE
 LAND LOT NO: 323
 LAND DISTRICT: 16TH
 GMD 476
 DATE 6/18/21 SH 17 OF 45

DRAWING No.
60-0017

REQD R/W - PAR8/SV5 REQ'D R/W DE110
PARCEL 8 - COURTESY PROPERTIES LLC

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE11080	83.00 L	145+29.47	Courtesy Pkwy Ext
	185.29	N 4°21'32.0" E	
DE11090	35.00 L	147+43.00	Courtesy Pkwy Ext
	107.00	N 24°56'11.6" W	
DE11091	35.00 L	148+50.00	Courtesy Pkwy Ext
	5.00	N 65°03'48.4" E	
DE11092	30.00 L	148+50.00	Courtesy Pkwy Ext
	318.43	N 24°56'11.6" W	
DE11093	30.00 L	151+68.43	Courtesy Pkwy Ext
	72.08	N 39°27'36.0" E	
DE11094	35.00 R	151+99.58	Courtesy Pkwy Ext
	49.58	S 24°56'11.6" E	
DE11095	35.00 R	151+50.00	Courtesy Pkwy Ext
	5.00	S 65°03'48.4" W	
DE11096	30.00 R	151+50.00	Courtesy Pkwy Ext
	300.00	S 24°56'11.6" E	
DE11097	30.00 R	148+50.00	Courtesy Pkwy Ext
	7.50	N 65°03'48.4" E	
DE11098	37.50 R	148+50.00	Courtesy Pkwy Ext
	281.26	S 25°01'12.4" E	
DE11099	70.00 R	145+91.00	Courtesy Pkwy Ext
	ARC LENGTH = 148.62		
	CHORD BEAR = S 5°50'48.2" W		
	LNTH CHORD = 147.97		
	RADIUS = 460.00		
	DEGREE = 12°27'20.2"		
DE11100	70.00 R	144+65.00	Courtesy Pkwy Ext
	69.98	S 56°54'23.2" E	
DE11101	137.00 R	144+49.00	Courtesy Pkwy Ext
	26.82	S 39°20'47.5" W	
DE11081	127.60 R	144+30.24	Courtesy Pkwy Ext
	172.60	N 50°30'56.4" W	
672	30.78 L	144+92.36	Courtesy Pkwy Ext
	61.03	N 50°22'04.4" W	
DE11080	83.00 L	145+29.47	Courtesy Pkwy Ext
	REQD R/W = 62730.62 SF		
	REQD R/W = 1.440 ACRES		
	REMAINDER LT = +/- 2.663 ACRES		
	REMAINDER RT = +/- 7.180 ACRES		

PESMT AREA A - PAR8/SV5
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES DE217
PARCEL 8 - COURTESY PROPERTIES LLC

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE12090	72.30 L	146+40.00	Courtesy Pkwy Ext
	50.40	N 15°57'24.1" W	
DE12091	73.00 L	147+02.00	Courtesy Pkwy Ext
	59.66	N 49°22'47.6" W	
DE12092	99.00 L	147+63.00	Courtesy Pkwy Ext
	39.81	N 39°47'08.6" E	
DE12093	63.00 L	147+80.00	Courtesy Pkwy Ext
	7.28	N 8°59'28.1" W	
DE12094	61.00 L	147+87.00	Courtesy Pkwy Ext
	366.52	N 24°56'11.6" W	
DE12095	61.00 L	151+53.52	Courtesy Pkwy Ext
	34.40	N 39°22'32.1" E	
DE11093	30.00 L	151+68.43	Courtesy Pkwy Ext
	318.43	S 24°56'11.6" E	
DE11092	30.00 L	148+50.00	Courtesy Pkwy Ext
	5.00	S 65°03'48.4" W	
DE11091	35.00 L	148+50.00	Courtesy Pkwy Ext
	107.00	S 24°56'11.6" E	
DE11090	35.00 L	147+43.00	Courtesy Pkwy Ext
	96.43	S 4°21'32.0" W	
DE12090	72.30 L	146+40.00	Courtesy Pkwy Ext
	0.00	N 0°00'00.0" E	
DE12090	72.30 L	146+40.00	Courtesy Pkwy Ext
	REQD EASMT AREA A = 15224.06 SF		
	REQD EASMT AREA A = 0.349 ACRES		

PESMT AREA B - PAR8/SV5
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES DE218
PARCEL 8 - COURTESY PROPERTIES LLC

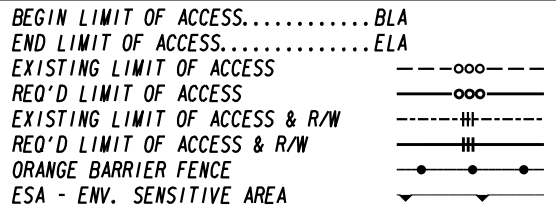
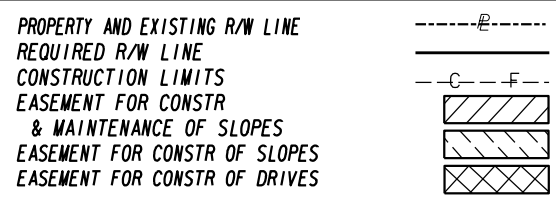
PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE12096	53.00 R	152+08.21	Courtesy Pkwy Ext
	108.21	S 24°56'11.6" E	
DE12097	53.00 R	151+00.00	Courtesy Pkwy Ext
	16.00	N 65°03'48.4" E	
DE12098	69.00 R	151+00.00	Courtesy Pkwy Ext
	453.78	S 24°56'13.4" E	
DE12204	78.00 R	146+60.95	Courtesy Pkwy Ext
	50.13	S 13°28'47.4" W	
DE12100	57.34 R	146+22.00	Courtesy Pkwy Ext
	243.06	N 25°01'12.4" W	
DE11098	37.50 R	148+50.00	Courtesy Pkwy Ext
	7.50	S 65°03'48.4" W	
DE11097	30.00 R	148+50.00	Courtesy Pkwy Ext
	300.00	N 24°56'11.6" W	
DE11096	30.00 R	151+50.00	Courtesy Pkwy Ext
	5.00	N 65°03'48.4" E	
DE11095	35.00 R	151+50.00	Courtesy Pkwy Ext
	49.58	N 24°56'11.6" W	
DE11094	35.00 R	151+99.58	Courtesy Pkwy Ext
	19.96	N 39°27'36.0" E	
DE12096	53.00 R	152+08.21	Courtesy Pkwy Ext
	REQD EASMT AREA B = 18872.66 SF		
	REQD EASMT AREA B = 0.433 ACRES		
	REQD EASMT AREA A = 15224.06 SF		
	REQD EASMT AREA A = 0.349 ACRES		
	REQD EASMT AREA B = 18872.66 SF		
	REQD EASMT AREA B = 0.433 ACRES		
	TOTAL REQD EASMT = 34096.72 SF		
	TOTAL REQD EASMT = 0.783 ACRES		

TEASMT AREA 1 FOR DEMO - PAR8/SV5
EASEMENT FOR REMOVAL OF STRUCTURES DE301
PARCEL 8 - COURTESY PROPERTIES LLC

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE12204	76.10 R	148+39.94	Courtesy Parkway Extension
	345.78	N 24°56'11.6" W	
DE13006	69.00 R	151+72.56	Courtesy Parkway Extension
	212.42	S 51°30'04.3" E	
DE13007	164.00 R	149+82.57	Courtesy Parkway Extension
	36.00	S 24°56'09.2" E	
DE13008	164.00 R	149+46.57	Courtesy Parkway Extension
	152.88	S 13°28'47.4" W	
DE12204	76.10 R	148+39.94	Courtesy Parkway Extension
	REQD EASMT = 18133.68 SF		
	REQD EASMT = 0.416 ACRES		

TEASMT AREA 2 FOR DEMO - PAR8/SV5
EASEMENT FOR REMOVAL OF STRUCTURES DE302
PARCEL 8 - COURTESY PROPERTIES LLC

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE13009	61.00 L	149+99.56	Courtesy Parkway Extension
	298.14	N 51°35'56.5" W	
DE13010	194.78 L	152+66.00	Courtesy Parkway Extension
	93.04	N 30°55'12.3" E	
	ARC LENGTH = 93.04		
	CHORD BEAR = N 30°55'12.3" E		
	LNTH CHORD = 87.19		
	RADIUS = 75.00		
	DEGREE = 76°23'39.8"		
6334	122.62 L	153+14.94	Courtesy Parkway Extension
	13.14	N 85°42'01.1" E	
6333	110.33 L	153+10.31	Courtesy Parkway Extension
	54.76	N 39°19'26.4" E	
DE12095	61.00 L	153+34.09	Courtesy Parkway Extension
	334.52	S 24°56'11.6" E	
DE13009	61.00 L	149+99.56	Courtesy Parkway Extension
	REQD EASMT = 22104.87 SF		
	REQD EASMT = 0.507 ACRES		
	REQD TEASMT AREA 1 = 18133.68 SF		
	REQD TEASMT AREA 1 = 0.416 ACRES		
	REQD TEASMT AREA 2 = 22104.87 SF		
	REQD TEASMT AREA 2 = 0.507 ACRES		
	TOTAL REQD TEASMT = 40238.55 SF		
	TOTAL REQD TEASMT = 0.923 ACRES		

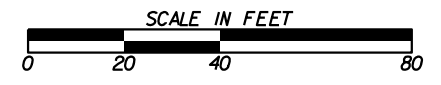
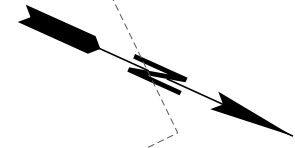
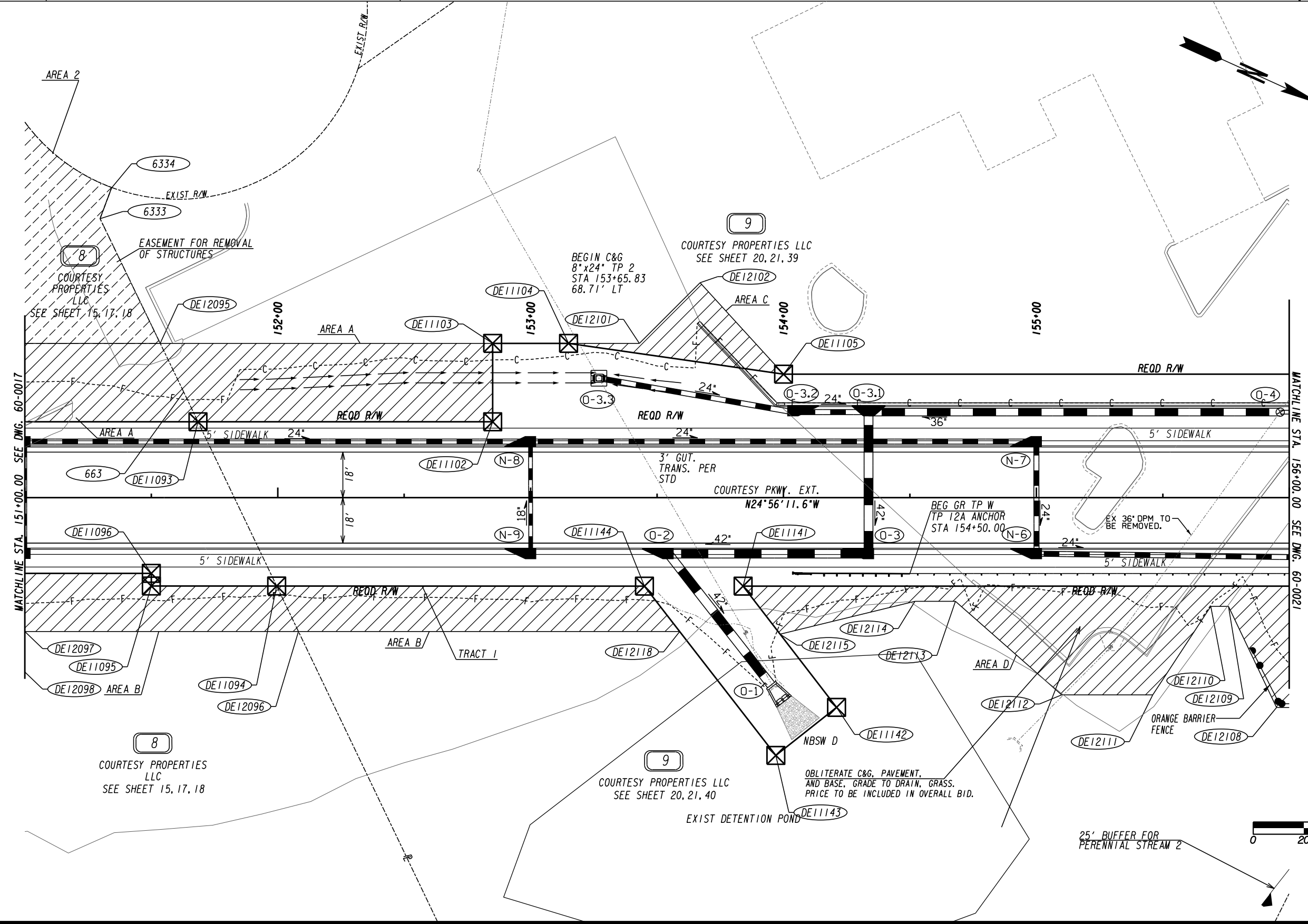


DATE	REVISIONS
09/17/2021	REVISED PESMT AREA A AND AREA B PARCEL 8, ADDED DEMO TESMT AREAS PARCEL 8
07/10/2023	REVISED TESMT AREA 1 AND 2 FOR PARCEL 2

DATE	REVISIONS

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY TABLES
PROJECT NO: CSSTP-0006-00(934)
COUNTY: ROCKDALE
LAND LOT NO:
LAND DISTRICT:
GMD
DATE 6/18/21 SH 18 OF 45

DRAWING No.
60-0018



PROPERTY AND EXISTING R/W LINE	-----e-----
REQUIRED R/W LINE	-----
CONSTRUCTION LIMITS	-----C-----F-----
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF DRIVES	[Hatched Box]

BEGIN LIMIT OF ACCESS.....BLA	-----o-----
END LIMIT OF ACCESS.....ELA	-----o-----
EXISTING LIMIT OF ACCESS	-----o-----
REQ'D LIMIT OF ACCESS	-----o-----
EXISTING LIMIT OF ACCESS & R/W	-----o-----
REQ'D LIMIT OF ACCESS & R/W	-----o-----
ORANGE BARRIER FENCE	-----o-----
ESA - ENV. SENSITIVE AREA	-----o-----

DATE	REVISIONS	DATE	REVISIONS
09/17/2021	REVISED PSEMT AREA A PARCEL 8, ADDED DEMO TESMT AREA PARCEL 8		
07/10/2023	ADDED AREA 1 AND 2 FOR TEASMT PARCEL 8		

DATE	REVISIONS	DATE	REVISIONS

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP
PROJECT NO: CSSTP-0006-00(934)
COUNTY: ROCKDALE
LAND LOT NO: 323
LAND DISTRICT: 16TH
GMD 476
DATE 6/18/21 SH 19 OF 45

DRAWING No.
60-0019

REQD R/W TRACT 1 - PAR9/SV4 REQ'D R/W DE111
PARCEL 9 - COURTESY PROPERTIES LLC

Table with 4 columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Lists points DE11093 to DE11094 with various offset and bearing values.

REQD R/W TRACT 2 - PAR9/SV4 REQ'D R/W DE112
PARCEL 9 - COURTESY PROPERTIES LLC

Table with 4 columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Lists points DE11111 to DE11114 with various offset and bearing values.

REQD R/W TRACT 1 = 44062.96 SF
REQD R/W TRACT 1 = 1.012 ACRES
REQD R/W TRACT 2 = 1285.76 SF
REQD R/W TRACT 2 = 0.030 ACRES
TOTAL REQD R/W = 45348.72 SF
TOTAL REQD R/W = 1.041 ACRES
REMAINDER LT = +/- 3.016 ACRES
REMAINDER RT = +/- 1.908 ACRES

PESMT AREA A - PAR9/SV4
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES AND DRAINAGE DE219
PARCEL 9 - COURTESY PROPERTIES LLC

Table with 4 columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Lists points DE12095 to DE11093 with various offset and bearing values.

REQD EASMT AREA A = 3844.58 SF
REQD EASMT AREA A = 0.088 ACRES

PESMT AREA B - PAR9/SV4
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES DE220
PARCEL 9 - COURTESY PROPERTIES LLC

Table with 4 columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Lists points DE11094 to DE12096 with various offset and bearing values.

REQD EASMT AREA B = 2665.62 SF
REQD EASMT AREA B = 0.061 ACRES

PESMT AREA C - PAR9/SV4
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES DE221
PARCEL 9 - COURTESY PROPERTIES LLC

Table with 4 columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Lists points DE11104 to DE11105 with various offset and bearing values.

REQD EASMT AREA C = 1000.32 SF
REQD EASMT AREA C = 0.023 ACRES

PESMT AREA D - PAR9/SV4
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES DE232
PARCEL 9 - COURTESY PROPERTIES LLC

Table with 4 columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Lists points DE11141 to DE12115 with various offset and bearing values.

REQD EASMT AREA D = 6237.56 SF
REQD EASMT AREA D = 0.143 ACRES

PESMT AREA E - PAR9/SV4
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES DE243
PARCEL 9 - COURTESY PROPERTIES LLC

Table with 4 columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Lists points DE12104 to DE11108 with various offset and bearing values.

REQD EASMT AREA E = 6898.19 SF
REQD EASMT AREA E = 0.158 ACRES

REQD EASMT AREA A = 3844.58 SF
REQD EASMT AREA A = 0.088 ACRES

REQD EASMT AREA B = 2665.62 SF
REQD EASMT AREA B = 0.061 ACRES

REQD EASMT AREA C = 1000.32 SF
REQD EASMT AREA C = 0.023 ACRES

REQD EASMT AREA D = 6237.56 SF
REQD EASMT AREA D = 0.143 ACRES

REQD EASMT AREA E = 6898.19 SF
REQD EASMT AREA E = 0.158 ACRES

TOTAL REQD EASMT = 20646.27 SF
TOTAL REQD EASMT = 0.474 ACRES

DWESMNT - PAR9/SV4 EASEMENT FOR CONSTR OF DRIVES DE412

Table with 4 columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Lists points DE14031 to DE14034 with various offset and bearing values.

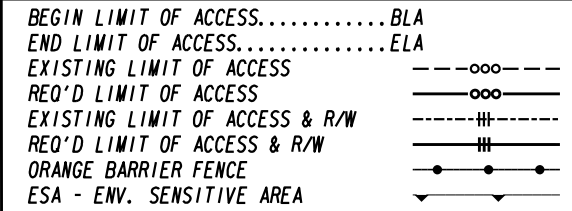
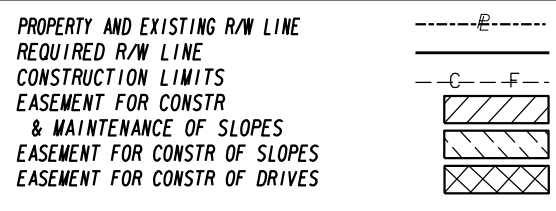


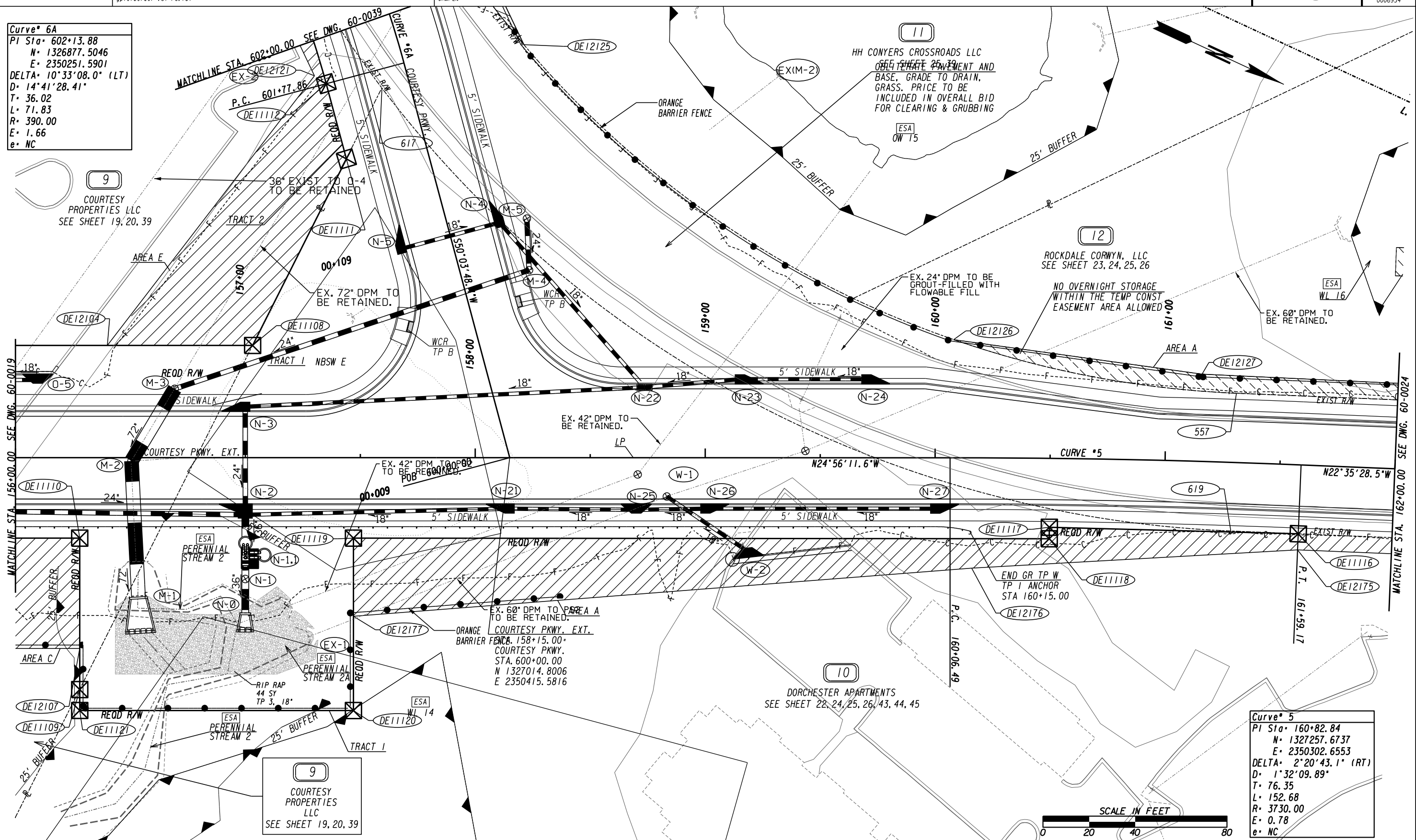
Table with 2 columns: DATE, REVISIONS. Shows revision 09/17/2021: REVISED PESMT AREA E, PARCEL 9. ADDED DWESMNT PARCEL 9.

Table with 2 columns: DATE, REVISIONS. Empty table for future revisions.

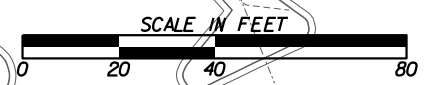
STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY TABLES
PROJECT NO: CSSTP-0006-00(934)
COUNTY: ROCKDALE
LAND LOT NO:
LAND DISTRICT:
GMD
DATE 6/18/21 SH 20 OF 45
DRAWING No.
60-0020

Curve # 6A
 PI Sta. 602+13.88
 N= 1326877.5046
 E= 2350251.5901
 DELTA= 10°33'08.0" (LT)
 D= 14°41'28.41"
 T= 36.02
 L= 71.83
 R= 390.00
 E= 1.66
 e= NC

9
 COURTESY PROPERTIES LLC
 SEE SHEET 19, 20, 39



Curve # 5
 PI Sta. 160+82.84
 N= 1327257.6737
 E= 2350302.6553
 DELTA= 2°20'43.1" (RT)
 D= 1°32'09.89"
 T= 76.35
 L= 152.68
 R= 3730.00
 E= 0.78
 e= NC



PROPERTY AND EXISTING R/W LINE	---
REQUIRED R/W LINE	---
CONSTRUCTION LIMITS	---
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	---
EASEMENT FOR CONSTR OF SLOPES	---
EASEMENT FOR CONSTR OF DRIVES	---

BEGIN LIMIT OF ACCESS.....BLA	---
END LIMIT OF ACCESS.....ELA	---
EXISTING LIMIT OF ACCESS	---
REQ'D LIMIT OF ACCESS	---
EXISTING LIMIT OF ACCESS & R/W	---
REQ'D LIMIT OF ACCESS & R/W	---
ORANGE BARRIER FENCE	---
ESA - ENV. SENSITIVE AREA	---

DATE	REVISIONS	DATE	REVISIONS
09/17/2021	REVISED PSEMT AREA E PARCEL 9.		
02/10/2023	REVISED PARCELS 12 OWNER NAME.		
08/22/2023	PAR 12: REVISED PESMT TO TESMT, ADDED NOTE		

DATE	REVISIONS

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP
 PROJECT NO: CSSTP-0006-00(934)
 COUNTY: ROCKDALE
 LAND LOT NO: 322, 323
 LAND DISTRICT: 16TH
 GMD 476
 DATE 6/18/21 SH 21 OF 45

DRAWING No.
60-0021

REQD R/W TRACT 1 - PAR10/SV2 REQ'D R/W DE113
PARCEL 10 - DORCHESTER APARTMENTS

Table with columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Includes data for points DE1116 through DE1111 and various alignment details like 'Courtesy Pkwy Ext' and 'COURTESY PKWY CONN'.

REQD R/W TRACT 2 - PAR10/SV2 REQ'D R/W DE122
PARCEL 10 - DORCHESTER APARTMENTS

Table with columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Includes data for points DE1115 through DE1115 and alignment details.

REQD R/W TRACT 3 - PAR10/SV2 REQ'D R/W DE123
PARCEL 10 - DORCHESTER APARTMENTS

Table with columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Includes data for points DE1116 through DE1116 and alignment details.

REQD R/W TRACT 1 - 40875.97 SF
REQD R/W TRACT 1 - 0.938 ACRES
REQD R/W TRACT 2 - 2868.05 SF
REQD R/W TRACT 2 - 0.066 ACRES
REQD R/W TRACT 3 - 2265.59 SF
REQD R/W TRACT 3 - 0.052 ACRES
TOTAL REQD R/W = 46009.61 SF
TOTAL REQD R/W = 1.056 ACRES
REMAINDER = +/- 32.022 ACRES

PESMT AREA A - PAR10/SV2
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES DE236
PARCEL 10 - DORCHESTER APARTMENTS

Table with columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Includes data for points DE12167 through DE11116 and alignment details.

PESMT AREA A - PAR10/SV2
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES DE236
PARCEL 10 - DORCHESTER APARTMENTS (CONT.)

Table with columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Includes data for points 620 through DE12167 and alignment details.

PESMT AREA B - PAR10/SV2
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES DE237
PARCEL 10 - DORCHESTER APARTMENTS

Table with columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Includes data for points 594 through DE11155 and alignment details.

PESMT AREA C - PAR10/SV2
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES DE238
PARCEL 10 - DORCHESTER APARTMENTS

Table with columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Includes data for points DE11159 through DE11159 and alignment details.

PESMT AREA C - PAR10/SV2
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES DE238
PARCEL 10 - DORCHESTER APARTMENTS (CONT.)

Table with columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Includes data for points DE14014 through DE14014 and alignment details.

DWESMT - PAR10/SV2 EASEMENT FOR CONSTR OF DRIVES DE406
PARCEL 10 - DORCHESTER APARTMENTS

Table with columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Includes data for points DE14014 through DE14014 and alignment details.

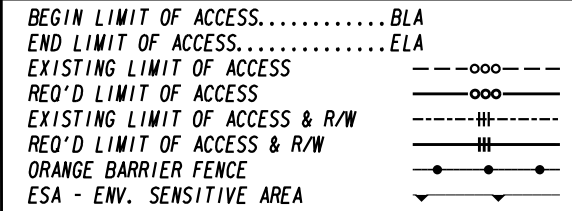
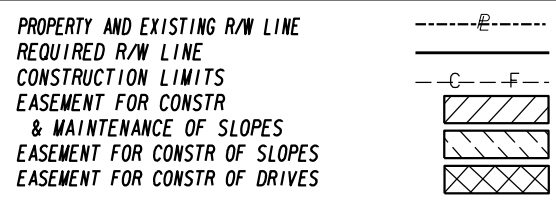


Table with columns: DATE, REVISIONS. Includes a grid for recording date and revision information.

Table with columns: DATE, REVISIONS. Includes a grid for recording date and revision information.

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY TABLES
PROJECT NO: CSSTP-0006-00(934)
COUNTY: ROCKDALE
LAND LOT NO:
LAND DISTRICT:
GMD
DATE 6/18/21 SH 22 OF 45
DRAWING No.
60-0022

PESMT - PARI1/SV3
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES DE222
PARCEL 11 - HH CONYERS CROSSROADS LLC

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE12123	30.00 R	603+60.00	Courtesy Pkwy Conn
	17.20	N 14°57'04.2" W	
DE12124	44.00 R	603+50.00	Courtesy Pkwy Conn
	187.10	N 39°32'24.0" E	
DE12125	52.46 R	601+72.00	Courtesy Pkwy Conn
ARC LENGTH = 109.47			
CHORD BEAR = S 32°11'36.6" W			
LNTH CHORD = 109.18			
RADIUS = 428.59			
DEGREE = 13°22'06.3"			
580	30.00 R	602+71.19	Courtesy Pkwy Conn
	88.81	S 39°30'40.5" W	
DE12123	30.00 R	603+60.00	Courtesy Pkwy Conn
REQD EASMT	= 2182.00	SF	
REQD EASMT	= 0.050	ACRES	

DWESMT - PARI1/SV3 EASEMENT FOR CONSTR OF DRIVES DE402
PARCEL 11 - HH CONYERS CROSSROADS LLC

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE14004	43.99 R	602+94.00	COURTESY PKWY CONN
DE14005	66.00 R	602+87.00	COURTESY PKWY CONN
DE14006	67.00 R	602+23.00	COURTESY PKWY CONN
DE14007	46.67 R	602+06.00	COURTESY PKWY CONN
DE14004	43.99 R	602+94.00	COURTESY PKWY CONN

REQD R/W - PARI2/SV1 REQ'D R/W DE114
PARCEL 12 - ROCKDALE 1-20 INVESTORS LTD PARTNERSHIP

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE11122	30.00 L	162+35.00	Courtesy Pkwy Ext
	51.00	S 67°24'31.5" W	
DE11123	81.00 L	162+35.00	Courtesy Pkwy Ext
	30.00	N 22°35'28.5" W	
DE11124	81.00 L	162+65.00	Courtesy Pkwy Ext
	51.00	N 67°24'31.5" E	
DE11125	30.00 L	162+65.00	Courtesy Pkwy Ext
	30.00	S 22°35'28.5" E	
DE11122	30.00 L	162+35.00	Courtesy Pkwy Ext
REQD R/W	= 1530.00	SF	
REQD R/W	= 0.035	ACRES	
REMAINDER	= +/- 18.472	ACRES	

TESMT AREA A - PARI2/SV1
EASEMENT FOR CONSTR OF SLOPES DE223
PARCEL 12 - ROCKDALE CORWYN, LLC

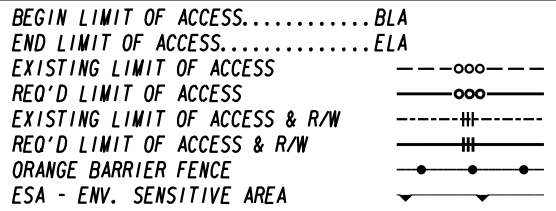
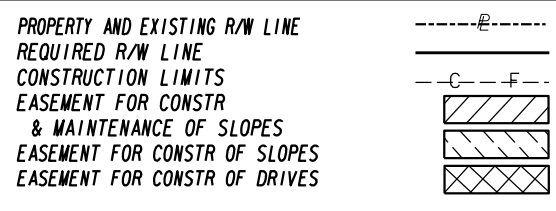
PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE12126	51.39 L	160+08.00	Courtesy Pkwy Ext
	109.10	N 17°02'24.8" W	
DE12127	38.00 L	161+15.00	Courtesy Pkwy Ext
	120.45	N 22°14'28.5" W	
DE12128	37.00 L	162+35.00	Courtesy Pkwy Ext
	7.00	N 67°24'31.5" E	
DE11122	30.00 L	162+35.00	Courtesy Pkwy Ext
	105.17	S 22°35'28.5" E	
557	30.11 L	161+30.06	Courtesy Pkwy Ext
ARC LENGTH = 125.66			
CHORD BEAR = S 14°11'30.9" E			
LNTH CHORD = 125.21			
RADIUS = 428.59			
DEGREE = 13°22'06.3"			
DE12126	51.39 L	160+08.00	Courtesy Pkwy Ext
REQD EASMT AREA	= 1551.94	SF	
REQD EASMT AREA	= 0.036	ACRES	

TESMT AREA B - PARI2/SV1
EASEMENT FOR CONSTR OF SLOPES DE224
PARCEL 12 - ROCKDALE CORWYN, LLC

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE12129	37.00 L	162+65.00	Courtesy Pkwy Ext
	269.00	N 22°35'28.5" W	
DE12130	37.00 L	165+34.00	Courtesy Pkwy Ext
	5.00	S 67°24'31.5" W	
DE12131	42.00 L	165+34.00	Courtesy Pkwy Ext
	22.00	N 22°35'28.5" W	
DE12132	42.00 L	165+56.00	Courtesy Pkwy Ext
	46.74	N 23°14'17.8" W	
DE12133	44.00 L	166+00.00	Courtesy Pkwy Ext
	53.13	N 16°56'23.9" W	
DE12134	44.00 L	166+50.00	Courtesy Pkwy Ext
	66.88	N 10°36'12.2" W	
DE12135	42.00 L	167+13.00	Courtesy Pkwy Ext
	53.03	N 9°41'43.1" W	
DE12136	42.00 L	167+66.00	Courtesy Pkwy Ext
	4.00	N 80°18'17.7" E	
DE12137	38.00 L	167+66.00	Courtesy Pkwy Ext
	212.75	N 9°41'42.3" W	
DE12205	38.00 L	169+78.75	Courtesy Pkwy Ext
	8.00	N 80°15'54.8" E	
748	30.00 L	169+78.76	Courtesy Pkwy Ext
	265.25	S 9°41'42.3" E	
553	30.00 L	167+13.51	Courtesy Pkwy Ext
ARC LENGTH = 164.31			
CHORD BEAR = S 16°08'35.5" E			
LNTH CHORD = 163.96			
RADIUS = 730.00			
DEGREE = 7°50'55.5"			
555	30.00 L	165+55.96	Courtesy Pkwy Ext
	44.84	S 22°35'28.5" E	
556	30.00 L	165+11.12	Courtesy Pkwy Ext
	246.12	S 22°35'28.5" E	
DE11125	30.00 L	162+65.00	Courtesy Pkwy Ext
	7.00	S 67°24'31.5" W	
DE12129	37.00 L	162+65.00	Courtesy Pkwy Ext
REQD EASMT AREA	= 6624.08	SF	
REQD EASMT AREA	= 0.152	ACRES	

TESMT AREA C - PARI2/SV1
EASEMENT FOR CONSTR OF SLOPES DE246
PARCEL 12 - ROCKDALE CORWYN, LLC

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
745	30.00 L	172+53.73	Courtesy Pkwy Ext
	8.00	S 80°15'57.3" W	
DE12206	38.00 L	172+53.73	Courtesy Pkwy Ext
	128.15	N 9°41'42.4" W	
DE12138	38.00 L	173+81.87	Courtesy Pkwy Ext
	8.11	N 89°55'03.0" E	
551	30.00 L	173+80.52	Courtesy Pkwy Ext
	126.79	S 9°41'42.4" E	
745	30.00 L	172+53.73	Courtesy Pkwy Ext
REQD EASMT	= 1019.72	SF	
REQD EASMT	= 0.023	ACRES	
REQD EASMT AREA A	= 1551.94	SF	
REQD EASMT AREA A	= 0.036	ACRES	
REQD EASMT AREA B	= 6624.08	SF	
REQD EASMT AREA B	= 0.152	ACRES	
REQD EASMT AREA C	= 1019.72	SF	
REQD EASMT AREA C	= 0.023	ACRES	
TOTAL REQD EASMT	= 9195.74	SF	
TOTAL REQD EASMT	= 0.211	ACRES	

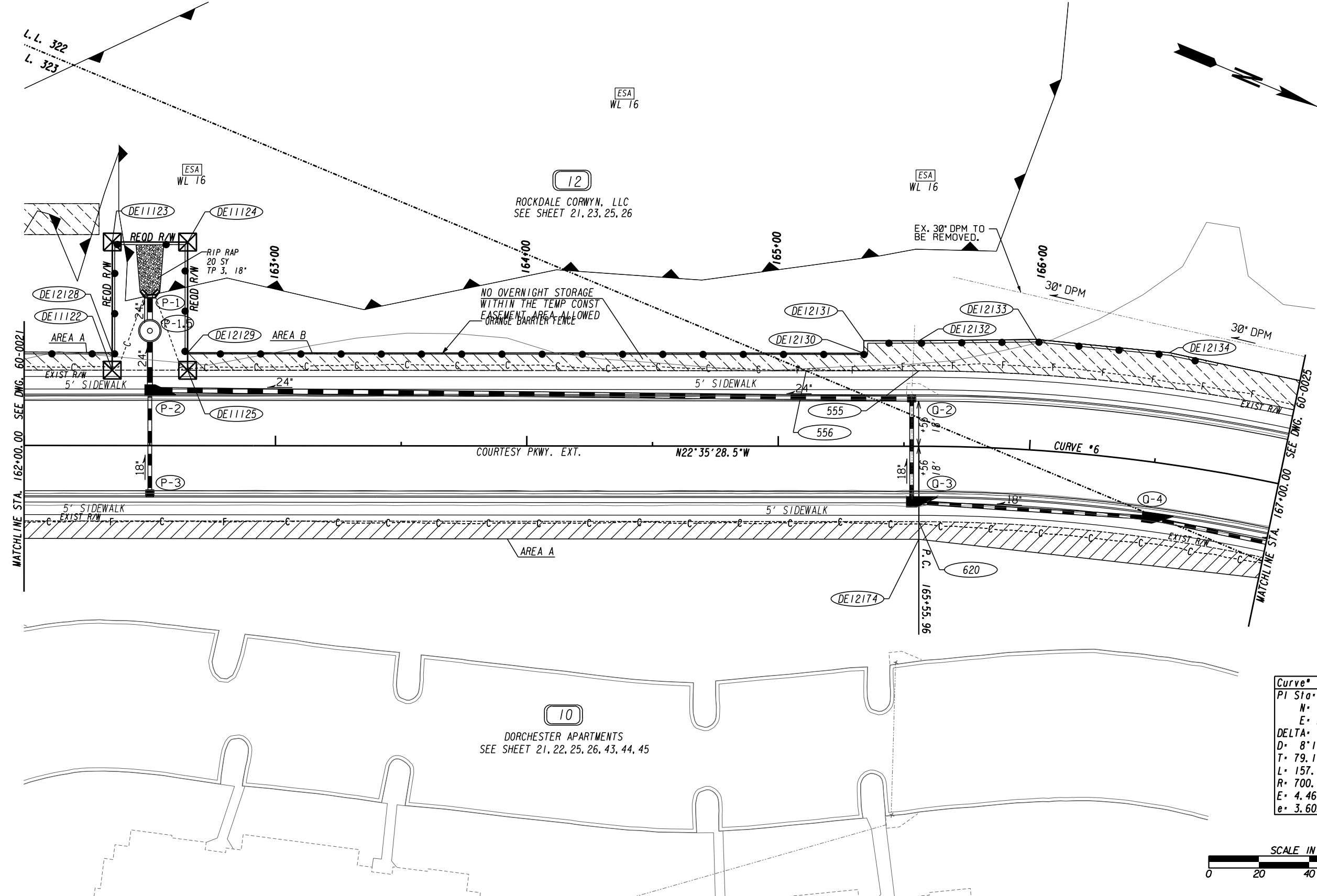


DATE	REVISIONS
09/17/2021	REVISED PESMT PARCEL 11
04/14/2022	PARCEL 12: SPLIT PESMT AREA B INTO AREA B & AREA C.
02/10/2023	REVISED PARCEL 12 OWNER NAME.
08/22/2023	PARCEL 12: REVISED PESMT TO TESMT

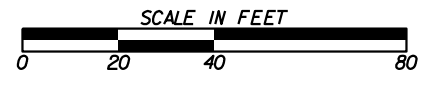
DATE	REVISIONS

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY TABLES
 PROJECT NO: CSSTP-0006-00(934)
 COUNTY: ROCKDALE
 LAND LOT NO:
 LAND DISTRICT:
 GMD
 DATE 6/18/21 SH 23 OF 45

DRAWING No.
60-0023



Curve # 6	
PI Sta	166+35.07
N	1327767.5467
E	2350090.5070
DELTA	12°53'46.1" (RT)
D	8°11'06.40"
T	79.11
L	157.56
R	700.00
E	4.46
e	3.60%



PROPERTY AND EXISTING R/W LINE	---
REQUIRED R/W LINE	---
CONSTRUCTION LIMITS	---
EASEMENT FOR CONSTR	---
& MAINTENANCE OF SLOPES	---
EASEMENT FOR CONSTR OF SLOPES	---
EASEMENT FOR CONSTR OF DRIVES	---

BEGIN LIMIT OF ACCESS.....BLA	---
END LIMIT OF ACCESS.....ELA	---
EXISTING LIMIT OF ACCESS	---
REQ'D LIMIT OF ACCESS	---
EXISTING LIMIT OF ACCESS & R/W	---
REQ'D LIMIT OF ACCESS & R/W	---
ORANGE BARRIER FENCE	---
ESA - ENV. SENSITIVE AREA	---

DATE	REVISIONS	DATE	REVISIONS
02/10/2023	REVISED PARCEL 12 OWNER NAME.		
08/22/2023	PARCEL 12: REVISED PESMT TO TESMT, ADDED NOTE		

DATE	REVISIONS

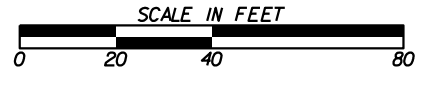
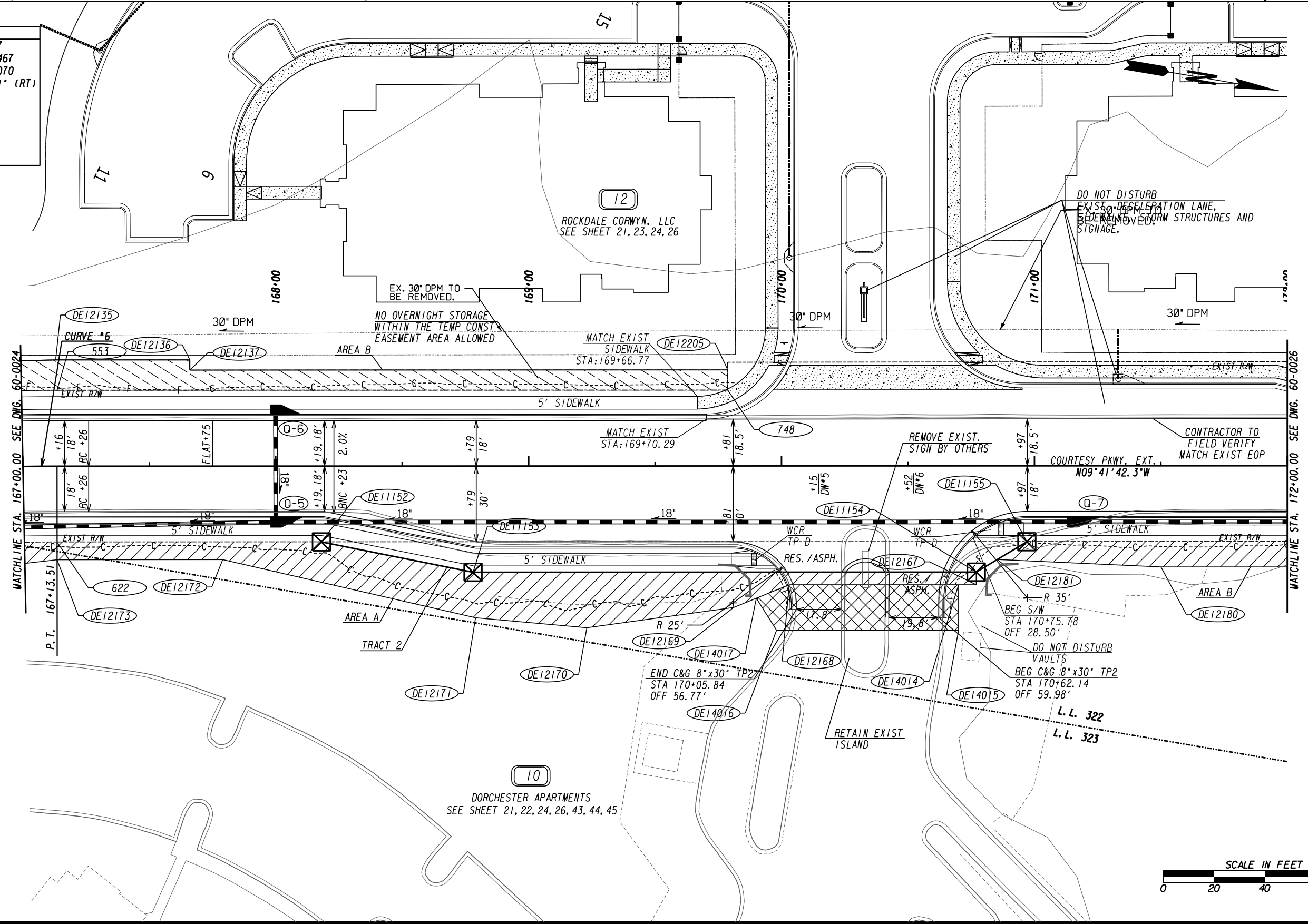
STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY MAP

PROJECT NO: CSSTP-0006-00(934)
COUNTY: ROCKDALE
LAND LOT NO: 322, 323
LAND DISTRICT: 16TH
GMD 476
DATE 6/18/21 SH 24 OF 45

DRAWING No.
60-0024

Curve* 6
PI Sta: 166+35.07
N= 1327767.5467
E= 2350090.5070
DELTA= 12°53'46.1" (RT)
D= 8°11'06.40"
T= 79.11
L= 157.56
R= 700.00
E= 4.46
e= 3.60%



PROPERTY AND EXISTING R/W LINE	-----e-----
REQUIRED R/W LINE	-----f-----
CONSTRUCTION LIMITS	-----C-----
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	-----F-----
EASEMENT FOR CONSTR OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF DRIVES	[Cross-hatched Box]

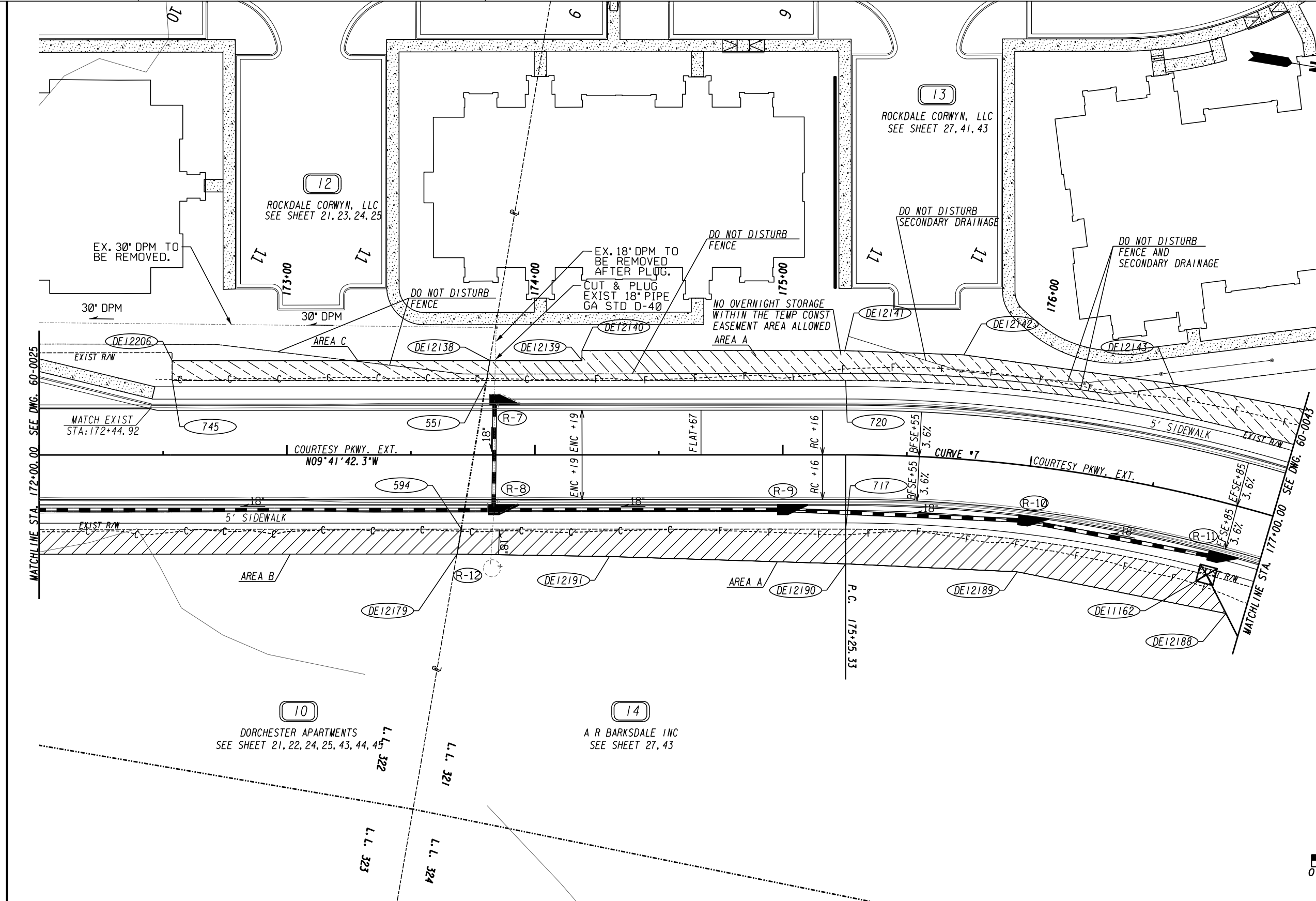
BEGIN LIMIT OF ACCESS.....BLA	-----o-----
END LIMIT OF ACCESS.....ELA	-----o-----
EXISTING LIMIT OF ACCESS	-----o-----
REQ'D LIMIT OF ACCESS	-----o-----
EXISTING LIMIT OF ACCESS & R/W	-----o-----
REQ'D LIMIT OF ACCESS & R/W	-----o-----
ORANGE BARRIER FENCE	-----o-----
ESA - ENV. SENSITIVE AREA	-----o-----

DATE	REVISIONS	DATE	REVISIONS
04/14/2022	PARCEL 12: SPLIT PESMT AREA B INTO AREA B & AREA C.		
02/10/2023	REVISED PARCEL 12 OWNER NAME.		
08/22/2023	PARCEL 12: REVISED PESMT TO TESMT, ADDED "DO NOT DISTURB" NOTES		

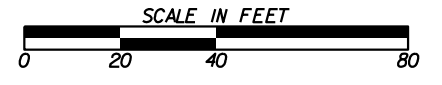
DATE	REVISIONS

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP
PROJECT NO: CSSTP-0006-00(934)
COUNTY: ROCKDALE
LAND LOT NO: 322, 323
LAND DISTRICT: 16TH
GMD 476
DATE 6/18/21 SH 25 OF 45

DRAWING No.
60-0025



Curve # 7	
PI Sta	176+73.07
N	1328791.3852
E	2349915.5894
DELTA	27°06'38.4" (RT)
D	9°20'59.96"
T	147.74
L	289.95
R	612.79
E	17.56
e	3.60%



PROPERTY AND EXISTING R/W LINE	---
REQUIRED R/W LINE	---
CONSTRUCTION LIMITS	---
EASEMENT FOR CONSTR	---
& MAINTENANCE OF SLOPES	---
EASEMENT FOR CONSTR OF SLOPES	---
EASEMENT FOR CONSTR OF DRIVES	---

BEGIN LIMIT OF ACCESS.....BLA	---
END LIMIT OF ACCESS.....ELA	---
EXISTING LIMIT OF ACCESS	---
REQ'D LIMIT OF ACCESS	---
EXISTING LIMIT OF ACCESS & R/W	---
REQ'D LIMIT OF ACCESS & R/W	---
ORANGE BARRIER FENCE	---
ESA - ENV. SENSITIVE AREA	---

DATE	REVISIONS	DATE	REVISIONS
04/14/2022	PARCEL 12: SPLIT PESMT AREA B INTO AREA B & AREA C.		
02/10/2023	PARCEL 13: REVISED PESMT AREA A.		
02/10/2023	REVISED PARCELS 12 AND 13 OWNER NAME.		
08/22/2023	PARCEL 12 & 13: REVISED PESMT TO TESMT, ADDED "DO NOT DISTURB" NOTES		

DATE	REVISIONS

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY MAP

PROJECT NO: CSSTP-0006-00(934)
COUNTY: ROCKDALE
LAND LOT NO: 321, 322, 323, 324
LAND DISTRICT: 16TH
GMD 476
DATE 6/18/21 SH 26 OF 45

DRAWING No.
60-0026

REQD R/W - PARI3/SV29 REQ'D R/W DE115

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE11126	30.00 L	177+08.00	Courtesy Parkway Ext
	103.91	N 32°46'23.9" W	
DE11127	43.00 R	699+00.00	OLD COVINGTON HWY CL
	170.97	N 71°11'38.2" W	
743	38.83 R	697+29.08	OLD COVINGTON HWY CL
	242.22	S 72°39'28.6" E	
744	30.00 L	177+76.20	Courtesy Parkway Ext
ARC LENGTH = 71.53			
CHORD BEAR = S 10°34'19.4" W			
LNTH CHORD = 71.50			
RADIUS = 642.79			
DEGREE = 8°54'49.0"			
DE11126	30.00 L	177+08.00	Courtesy Parkway Ext
REQD R/W	3031.27	SF	
REQD R/W	0.070	ACRES	
REMAINDER	+/- 2.191	ACRES	

TESMT AREA A - PARI3/SV29
EASEMENT FOR CONSTR OF SLOPES DE225
PARCEL 13 - ROCKDALE CORWYN, LLC

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE12138	38.00 L	173+81.87	Courtesy Parkway Ext
	37.13	N 9°41'42.3" W	
DE12139	38.00 L	174+19.00	Courtesy Parkway Ext
	4.00	S 80°18'17.7" W	
DE12140	42.00 L	174+19.00	Courtesy Parkway Ext
	106.00	N 9°41'42.3" W	
DE12141	42.00 L	175+25.00	Courtesy Parkway Ext
	48.05	N 7°37'15.8" W	
DE12142	42.00 L	175+70.00	Courtesy Parkway Ext
	85.42	N 1°46'42.2" W	
DE12143	42.00 L	176+50.00	Courtesy Parkway Ext
	83.26	N 1°27'24.5" E	
DE12144	48.00 L	177+27.42	Courtesy Parkway Ext
	27.39	S 32°46'23.5" E	
DE11126	30.00 L	177+08.00	Courtesy Parkway Ext
ARC LENGTH = 191.61			
CHORD BEAR = S 1°09'20.2" E			
LNTH CHORD = 190.90			
RADIUS = 642.79			
DEGREE = 8°54'49.0"			
720	30.00 L	175+25.34	Courtesy Parkway Ext
	144.82	S 9°41'43.2" E	
551	30.00 L	173+80.52	Courtesy Parkway Ext
	8.11	S 89°55'03.0" W	
DE12138	38.00 L	173+81.87	Courtesy Parkway Ext
REQD EASMT	4045.29	SF	
REQD EASMT	0.093	ACRES	

TESMT AREA B - PARI3/SV29
EASEMENT FOR CONSTR OF SLOPES DE226
PARCEL 13 - ROCKDALE CORWYN, LLC

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE12145	51.00 R	699+09.60	OLD COVINGTON HWY CL
	176.68	N 72°35'25.6" W	
DE12146	51.00 R	697+32.91	OLD COVINGTON HWY CL
	12.76	N 0°04'54.4" W	
743	38.83 R	697+29.08	OLD COVINGTON HWY CL
	170.97	S 71°11'38.2" E	
DE11127	43.00 R	699+00.00	OLD COVINGTON HWY CL
	12.49	S 32°46'23.9" E	
DE12145	51.00 R	699+09.60	OLD COVINGTON HWY CL
REQD EASMT	1738.51	SF	
REQD EASMT	0.040	ACRES	
REQD EASMT AREA A	4045.29	SF	
REQD EASMT AREA A	0.093	ACRES	
REQD EASMT AREA B	1738.51	SF	
REQD EASMT AREA B	0.040	ACRES	
TOTAL REQD EASMT	5783.80	SF	
TOTAL REQD EASMT	0.133	ACRES	

REQD R/W - PARI4/SV33 REQ'D R/W DE124

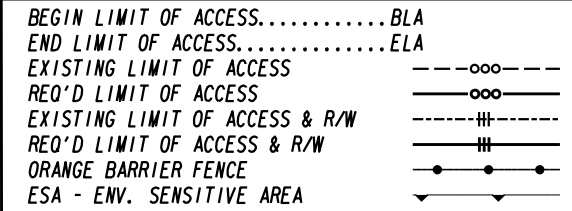
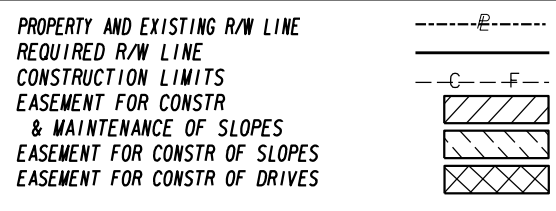
PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
715	30.00 R	177+87.46	Courtesy Parkway Ext
	82.41	S 72°33'22.5" E	
DE11160	24.08 R	701+13.00	OLD COVINGTON HWY CL
	6.92	S 17°24'34.4" W	
DE11161	31.00 R	701+13.00	OLD COVINGTON HWY CL
	116.69	S 53°34'51.3" W	
DE11162	30.00 R	176+80.00	Courtesy Parkway Ext
ARC LENGTH = 102.20			
CHORD BEAR = N 9°47'23.1" E			
LNTH CHORD = 102.07			
RADIUS = 582.79			
DEGREE = 9°49'52.7"			
715	30.00 R	177+87.46	Courtesy Parkway Ext
REQD R/W	4558.85	SF	
REQD R/W	0.105	ACRES	
REMAINDER	+/- 1.896	ACRES	

PESMT AREA A - PARI4/SV33
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES DE239
PARCEL 14 - A R BARKSDALE INC

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE12188	43.00 R	176+92.35	Courtesy Parkway Ext
	85.78	S 1°36'13.5" W	
DE12189	43.00 R	176+00.00	Courtesy Parkway Ext
	69.33	S 7°01'44.8" E	
DE12190	44.00 R	175+25.33	Courtesy Parkway Ext
	95.38	S 7°53'33.4" E	
DE12191	41.00 R	174+30.00	Courtesy Parkway Ext
	61.42	S 8°45'43.9" E	
DE12179	40.00 R	173+68.59	Courtesy Parkway Ext
	10.15	N 89°54'53.2" W	
594	30.00 R	173+70.31	Courtesy Parkway Ext
	155.02	N 9°41'42.6" W	
717	30.00 R	175+25.34	Courtesy Parkway Ext
ARC LENGTH = 147.09			
CHORD BEAR = N 2°27'52.7" W			
LNTH CHORD = 146.70			
RADIUS = 582.79			
DEGREE = 9°49'52.7"			
DE11162	30.00 R	176+80.00	Courtesy Parkway Ext
	17.43	N 53°34'51.3" E	
DE12188	43.00 R	176+92.35	Courtesy Parkway Ext
REQD EASMT	3969.54	SF	
REQD EASMT	0.091	ACRES	

PESMT AREA B - PARI4/SV33
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES DE240
PARCEL 14 - A R BARKSDALE INC

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
610	24.18 R	702+72.50	OLD COVINGTON HWY CL
	50.10	S 0°05'16.5" W	
DE12186	72.00 R	702+87.41	OLD COVINGTON HWY CL
	191.44	N 66°53'40.9" W	
DE12192	53.00 R	700+96.92	OLD COVINGTON HWY CL
	27.25	N 53°34'51.3" E	
DE11161	31.00 R	701+13.00	OLD COVINGTON HWY CL
	6.92	N 17°24'34.4" E	
DE11160	24.08 R	701+13.00	OLD COVINGTON HWY CL
	159.50	S 72°33'22.7" E	
610	24.18 R	702+72.50	OLD COVINGTON HWY CL
REQD EASMT	6665.04	SF	
REQD EASMT	0.153	ACRES	
REQD EASMT AREA A	3969.54	SF	
REQD EASMT AREA A	0.091	ACRES	
REQD EASMT AREA B	6665.04	SF	
REQD EASMT AREA B	0.153	ACRES	
TOTAL REQD EASMT	10634.58	SF	
TOTAL REQD EASMT	0.244	ACRES	

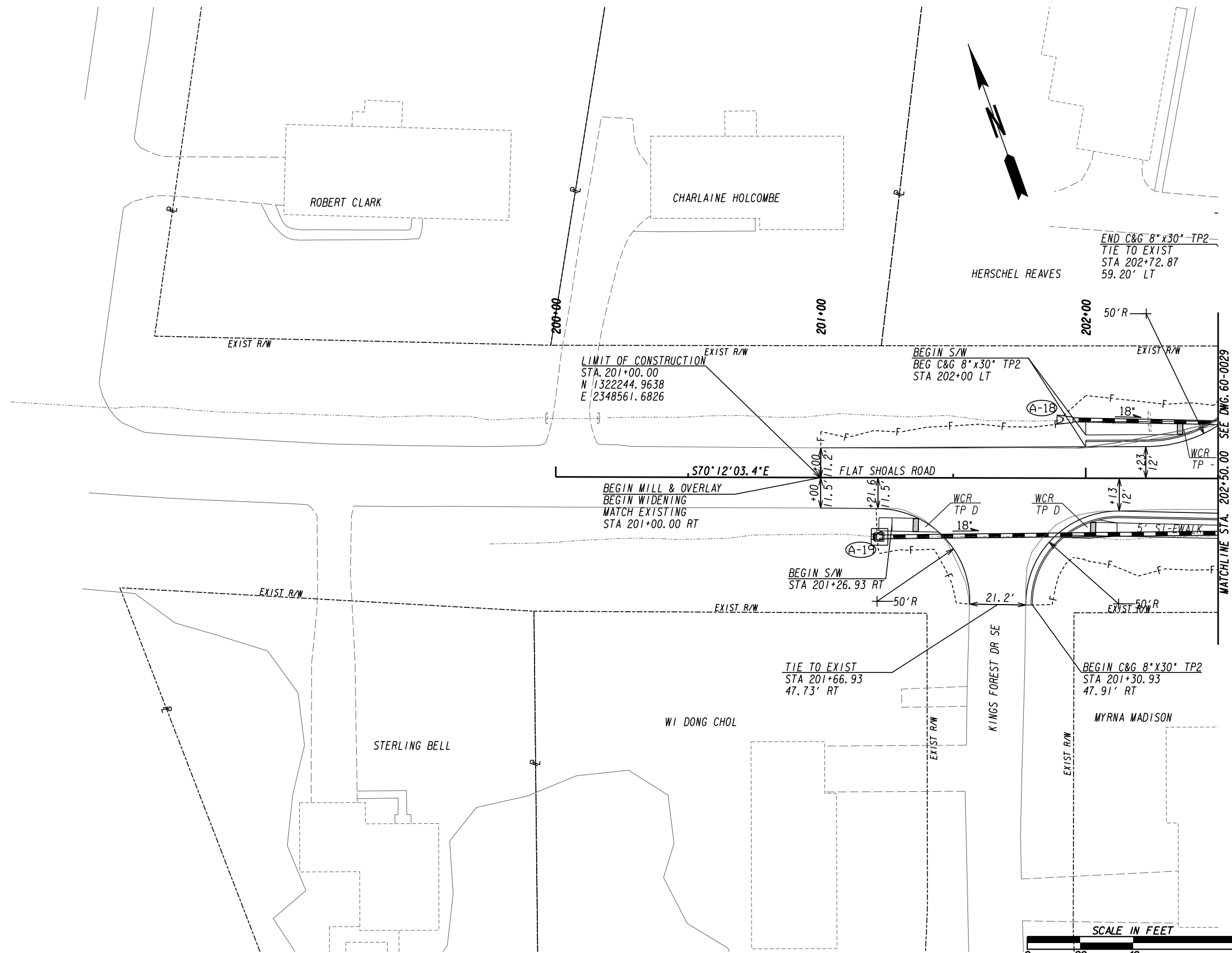


DATE	REVISIONS	DATE	REVISIONS
04/14/2022	PARCEL 13: REVISED REQD R/W, PESMT AREA A AND PESMT AREA B.		
02/10/2023	PARCEL 13: REVISED PESMT AREA A AND PESMT AREA B.		
02/10/2023	REVISED PARCEL 13 OWNER NAME.		
08/22/2023	PARCEL 13: REVISED PESMT TO TESMT		

DATE	REVISIONS

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY TABLES
PROJECT NO: CSSTP-0006-00(934)
COUNTY: ROCKDALE
LAND LOT NO:
LAND DISTRICT:
GMD
DATE 6/18/21 SH 27 OF 45

DRAWING No.
60-0027



MATCHLINE STA. 202+50.00 SEE DWG. 60-0029

PROPERTY AND EXISTING R/W LINE	-----e-----
REQUIRED R/W LINE	-----f-----
CONSTRUCTION LIMITS	-----c-----
EASEMENT FOR CONSTR	-----f-----
& MAINTENANCE OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF DRIVES	[Hatched Box]

BEGIN LIMIT OF ACCESS.....BLA	-----o-----
END LIMIT OF ACCESS.....ELA	-----o-----
EXISTING LIMIT OF ACCESS	-----o-----
REQ'D LIMIT OF ACCESS	-----o-----
EXISTING LIMIT OF ACCESS & R/W	-----o-----
REQ'D LIMIT OF ACCESS & R/W	-----o-----
ORANGE BARRIER FENCE	-----o-----
ESA - ENV. SENSITIVE AREA	-----o-----

DATE	REVISIONS	DATE	REVISIONS
04/22/2022	PARCEL 15: PESMT ELIMINATED.		

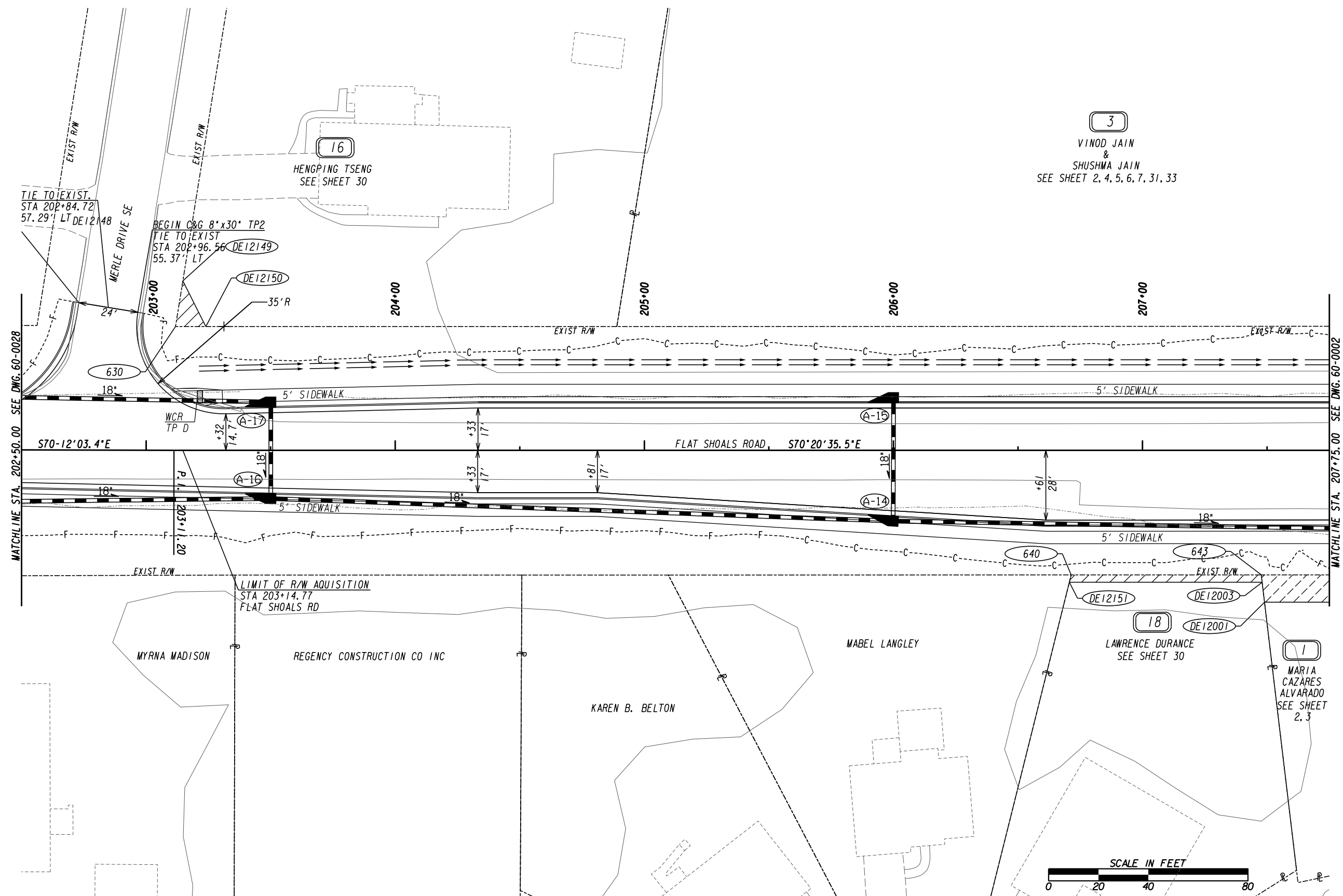
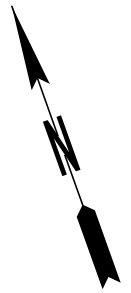
DATE	REVISIONS

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY MAP

PROJECT NO:CSSTP-0006-00(934)
COUNTY:ROCKDALE
LAND LOT NO:236
LAND DISTRICT:10TH
GMD 476
DATE 6/18/21 SH 28 OF 45

DRAWING No.
60-0028



PROPERTY AND EXISTING R/W LINE	---
REQUIRED R/W LINE	---
CONSTRUCTION LIMITS	---
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	---
EASEMENT FOR CONSTR OF SLOPES	---
EASEMENT FOR CONSTR OF DRIVES	---

BEGIN LIMIT OF ACCESS.....BLA	---
END LIMIT OF ACCESS.....ELA	---
EXISTING LIMIT OF ACCESS	---
REQ'D LIMIT OF ACCESS	---
EXISTING LIMIT OF ACCESS & R/W	---
REQ'D LIMIT OF ACCESS & R/W	---
ORANGE BARRIER FENCE	---
ESA - ENV. SENSITIVE AREA	---

DATE	REVISIONS
04/14/2022	PARCEL 17: ELIMINATED PESMT.
04/22/2022	PARCEL 15: PESMT ELIMINATED.
02/22/2023	PARCEL 1: PESMT REVISED TO TESMT.

DATE	REVISIONS

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY MAP

PROJECT NO: CSSTP-0006-00(934)
COUNTY: ROCKDALE
LAND LOT NO: 236
LAND DISTRICT: 10TH
GMD 476
DATE 6/18/21 SH 29 OF 45

DRAWING No.
60-0029

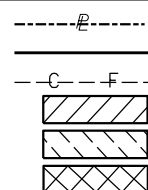
PESMT - PAR16/SV11
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES DE228
PARCEL 16 - HENGPING TSENG

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE12149	68.00 L	203+14.77	FLAT SHOALS RD CL
	20.52	S 7°04'07.9" E	
DE12150	49.67 L	203+24.00	FLAT SHOALS RD CL
	12.18	N 70°20'40.1" W	
630	49.67 L	203+11.82	FLAT SHOALS RD CL
	18.56	N 28°48'10.8" E	
DE12149	68.00 L	203+14.77	FLAT SHOALS RD CL
REQD EASMT	111.61	SF	
REQD EASMT	0.003	ACRES	

PESMT - PAR18/SV15
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES DE230
PARCEL 18 - LAWRENCE DURANCE

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE12003	53.00 R	207+48.04	FLAT SHOALS RD CL
	77.43	N 70°20'35.5" W	
DE12151	53.00 R	206+70.61	FLAT SHOALS RD CL
	3.05	N 33°42'19.1" E	
640	50.05 R	206+71.35	FLAT SHOALS RD CL
	76.34	S 70°20'54.5" E	
643	50.04 R	207+47.69	FLAT SHOALS RD CL
	2.98	S 12°52'08.4" W	
DE12003	53.00 R	207+48.04	FLAT SHOALS RD CL
REQD EASMT	227.41	SF	
REQD EASMT	0.005	ACRES	

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES



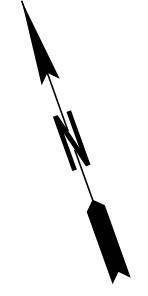
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END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

DATE	REVISIONS
04/14/2022	PARCEL 17: ELIMINATED PESMT.
04/22/2022	PARCEL 15: PESMT ELIMINATED.

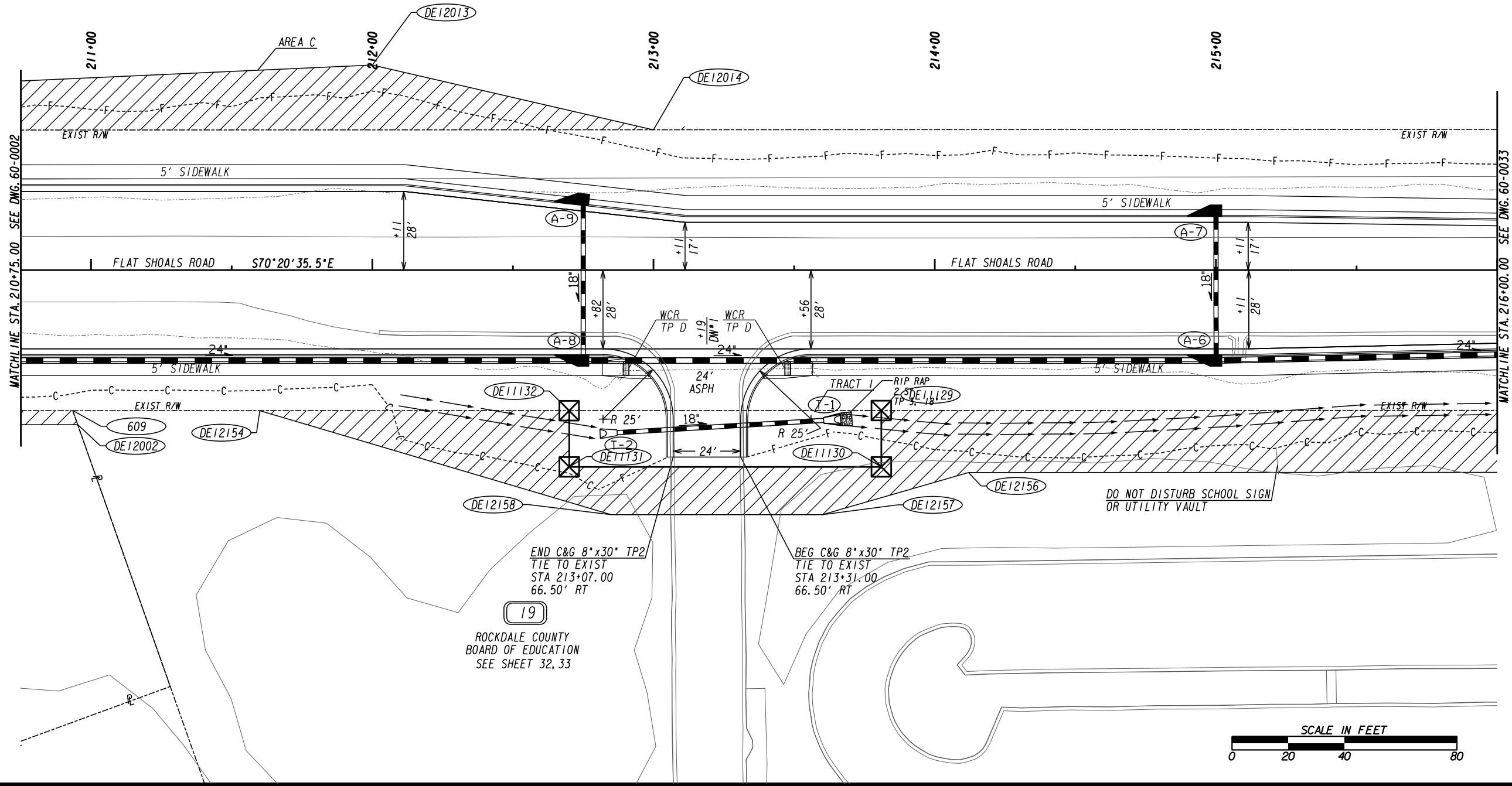
DATE	REVISIONS

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY TABLES
PROJECT NO: CSSTP-0006-00(934)
COUNTY: ROCKDALE
LAND LOT NO:
LAND DISTRICT:
GMD
DATE 6/18/21 SH 30 OF 45

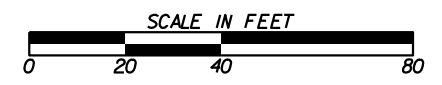
DRAWING No.
60-0030



3
VINOD JAIN
&
SHUSHMA JAIN
SEE SHEET 2, 4, 5, 7, 7, 29, 33



19
ROCKDALE COUNTY
BOARD OF EDUCATION
SEE SHEET 32, 33



PROPERTY AND EXISTING R/W LINE	---
REQUIRED R/W LINE	---
CONSTRUCTION LIMITS	---
EASEMENT FOR CONSTR	---
& MAINTENANCE OF SLOPES	---
EASEMENT FOR CONSTR OF SLOPES	---
EASEMENT FOR CONSTR OF DRIVES	---

BEGIN LIMIT OF ACCESS.....BLA	---
END LIMIT OF ACCESS.....ELA	---
EXISTING LIMIT OF ACCESS	---
REQ'D LIMIT OF ACCESS	---
EXISTING LIMIT OF ACCESS & R/W	---
REQ'D LIMIT OF ACCESS & R/W	---
ORANGE BARRIER FENCE	---
ESA - ENV. SENSITIVE AREA	---

DATE	REVISIONS	DATE	REVISIONS
04/19/2023	PARCEL 19: ADDED "DO NOT DISTURB" NOTE FOR SIGN AND UTILITY VAULT		

DATE	REVISIONS

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY MAP

PROJECT NO: CSSTP-0006-00(934)
COUNTY: ROCKDALE
LAND LOT NO: 236
LAND DISTRICT: 10TH
GMD 476
DATE 6/18/21 SH 31 OF 45

DRAWING No.
60-0031

REQD R/W TRACT 1 - PAR19/SV18 REQ'D R/W DE116
PARCEL 19 - ROCKDALE COUNTY BOARD OF EDUCATION

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE11129	49.98 R	213+81.00	FLAT SHOALS RD CL
	20.02	S 19°39'24.5" W	
DE11130	70.00 R	213+81.00	FLAT SHOALS RD CL
	111.00	N 70°20'35.5" W	
DE11131	70.00 R	212+70.00	FLAT SHOALS RD CL
	20.01	N 19°39'24.5" E	
DE11132	49.99 R	212+70.00	FLAT SHOALS RD CL
	111.00	S 70°20'54.7" E	
DE11129	49.98 R	213+81.00	FLAT SHOALS RD CL
	2221.69 SF		
	0.051 ACRES		

REQD R/W TRACT 2 - PAR19/SV18 REQ'D R/W DE117
PARCEL 19 - ROCKDALE COUNTY BOARD OF EDUCATION

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE11133	49.95 R	216+75.00	FLAT SHOALS RD CL
	197.00	S 70°20'54.7" E	
DE11134	49.93 R	218+72.00	FLAT SHOALS RD CL
	57.20	S 52°28'35.8" W	
DE11135	98.00 R	218+41.00	FLAT SHOALS RD CL
	38.28	N 37°04'05.9" W	
DE11136	77.00 R	218+09.00	FLAT SHOALS RD CL
	134.00	N 70°20'35.5" W	
DE11137	77.00 R	216+75.00	FLAT SHOALS RD CL
	27.05	N 19°39'24.5" E	
DE11133	49.95 R	216+75.00	FLAT SHOALS RD CL
	5572.19 SF		
	0.128 ACRES		

REQD R/W TRACT 1 - 2221.69 SF
REQD R/W TRACT 1 - 0.051 ACRES

REQD R/W TRACT 2 - 5572.19 SF
REQD R/W TRACT 2 - 0.128 ACRES

TOTAL REQD R/W - 7793.88 SF
TOTAL REQD R/W - 0.179 ACRES

REMAINDER - +/- 15.453 ACRES

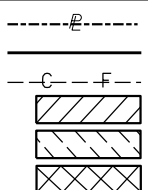
PESMT - PAR19/SV18
EASEMENT FOR CONSTR & MAINTENANCE OF DRAINAGE DE231
PARCEL 19 - ROCKDALE COUNTY BOARD OF EDUCATION

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE12154	50.00 R	211+60.00	FLAT SHOALS RD CL
	110.00	S 70°20'54.7" E	
DE11132	49.99 R	212+70.00	FLAT SHOALS RD CL
	20.01	S 19°39'24.5" W	
DE11131	70.00 R	212+70.00	FLAT SHOALS RD CL
	111.00	S 70°20'35.5" E	
DE11130	70.00 R	213+81.00	FLAT SHOALS RD CL
	20.02	N 19°39'24.5" E	
DE11129	49.98 R	213+81.00	FLAT SHOALS RD CL
	294.00	S 70°20'54.7" E	
DE11133	49.95 R	216+75.00	FLAT SHOALS RD CL
	22.05	S 19°39'24.5" W	
DE12155	72.00 R	216+75.00	FLAT SHOALS RD CL
	263.00	N 70°20'35.5" W	
DE12156	72.00 R	214+12.00	FLAT SHOALS RD CL
	54.12	N 86°26'02.5" W	
DE12157	87.00 R	213+60.00	FLAT SHOALS RD CL
	75.00	N 70°20'35.5" W	
DE12158	87.00 R	212+85.00	FLAT SHOALS RD CL
	130.36	N 53°51'16.3" W	
DE12154	50.00 R	211+60.00	FLAT SHOALS RD CL
	10198.07 SF		
	0.234 ACRES		

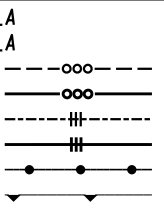
DWESMT - PAR19/SV18 EASEMENT FOR CONSTR OF DRIVES DE403
PARCEL 19 - ROCKDALE COUNTY BOARD OF EDUCATION

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE14008	77.00 R	217+00.00	FLAT SHOALS RD CL
DE14009	77.00 R	217+50.00	FLAT SHOALS RD CL
DE14010	81.00 R	217+50.00	FLAT SHOALS RD CL
DE14011	81.00 R	217+00.00	FLAT SHOALS RD CL
DE14008	77.00 R	217+00.00	FLAT SHOALS RD CL

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES



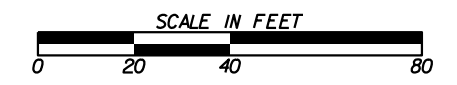
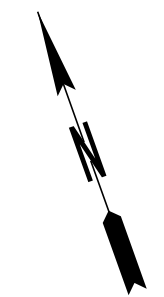
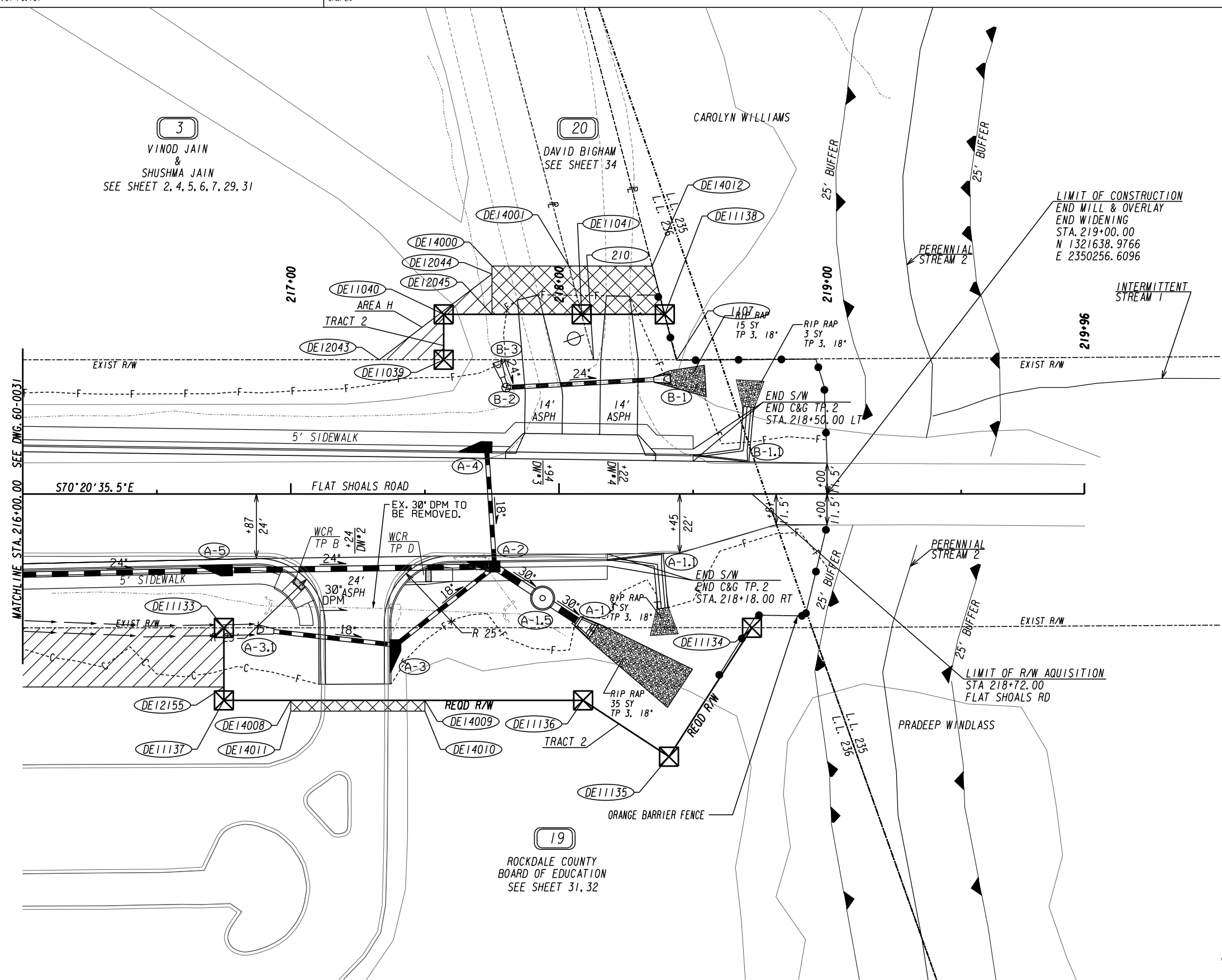
BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA



DATE	REVISIONS	DATE	REVISIONS

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY TABLES
PROJECT NO: CSSTP-0006-00(934)
COUNTY: ROCKDALE
LAND LOT NO:
LAND DISTRICT:
GMD
DATE 6/18/21 SH 32 OF 45

DRAWING No.
60-0032



PROPERTY AND EXISTING R/W LINE	-----e-----
REQUIRED R/W LINE	-----f-----
CONSTRUCTION LIMITS	-----c-----
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	-----f-----
EASEMENT FOR CONSTR OF SLOPES	-----f-----
EASEMENT FOR CONSTR OF DRIVES	-----f-----

BEGIN LIMIT OF ACCESS.....BLA	-----o-----
END LIMIT OF ACCESS.....ELA	-----o-----
EXISTING LIMIT OF ACCESS	-----o-----
REQ'D LIMIT OF ACCESS	-----o-----
EXISTING LIMIT OF ACCESS & R/W	-----o-----
REQ'D LIMIT OF ACCESS & R/W	-----o-----
ORANGE BARRIER FENCE	-----o-----
ESA - ENV. SENSITIVE AREA	-----o-----

DATE	REVISIONS	DATE	REVISIONS
04/14/2022	PARCEL 21: ELIMINATED REQD R/W AND DWESMT.		

DATE	REVISIONS

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY MAP

PROJECT NO: CSSTP-0006-00(934)
COUNTY: ROCKDALE
LAND LOT NO: 235, 236
LAND DISTRICT: 10TH
GMD 476
DATE 6/18/21 SH 33 OF 45

DRAWING No.
60-0033

REQD R/W - PAR20/SV48 REQ'D R/W DE118
PARCEL 20 - DAVID BIGHAM

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE11041	67.00 L	218+08.44	FLAT SHOALS RD CL
	31.04	S 70°20'35.5" E	
DE11138	67.00 L	218+39.48	FLAT SHOALS RD CL
	17.52	S 4°56'47.7" W	
1107	50.06 L	218+43.93	FLAT SHOALS RD CL
	31.04	N 70°20'16.9" W	
210	50.06 L	218+12.89	FLAT SHOALS RD CL
	17.51	N 4°56'56.3" E	
DE11041	67.00 L	218+08.44	FLAT SHOALS RD CL
REQD R/W	= 525.81	SF	
REQD R/W	= 0.012	ACRES	
REMAINDER	= +/- 2.247	ACRES	

DWESMT - PAR20/SV48 EASEMENT FOR CONSTR OF DRIVES DE404
PARCEL 20 - DAVID BIGHAM

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE14001	85.00 L	218+03.72	FLAT SHOALS RD CL
DE14012	85.00 L	218+34.75	FLAT SHOALS RD CL
DE11138	67.00 L	218+39.48	FLAT SHOALS RD CL
DE11041	67.00 L	218+08.44	FLAT SHOALS RD CL
DE14001	85.00 L	218+03.72	FLAT SHOALS RD CL

PROPERTY AND EXISTING R/W LINE	-----e-----
REQUIRED R/W LINE	-----
CONSTRUCTION LIMITS	---C---F---
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	-----o-----
END LIMIT OF ACCESS.....ELA	-----o-----
EXISTING LIMIT OF ACCESS	-----oo-----
REQ'D LIMIT OF ACCESS	-----oo-----
EXISTING LIMIT OF ACCESS & R/W	-----H-----
REQ'D LIMIT OF ACCESS & R/W	-----H-----
ORANGE BARRIER FENCE	-----●-----
ESA - ENV. SENSITIVE AREA	-----v-----

DATE	REVISIONS
04/14/2022	PARCEL 21: ELIMINATED REQD R/W AND DWESMT.

DATE	REVISIONS

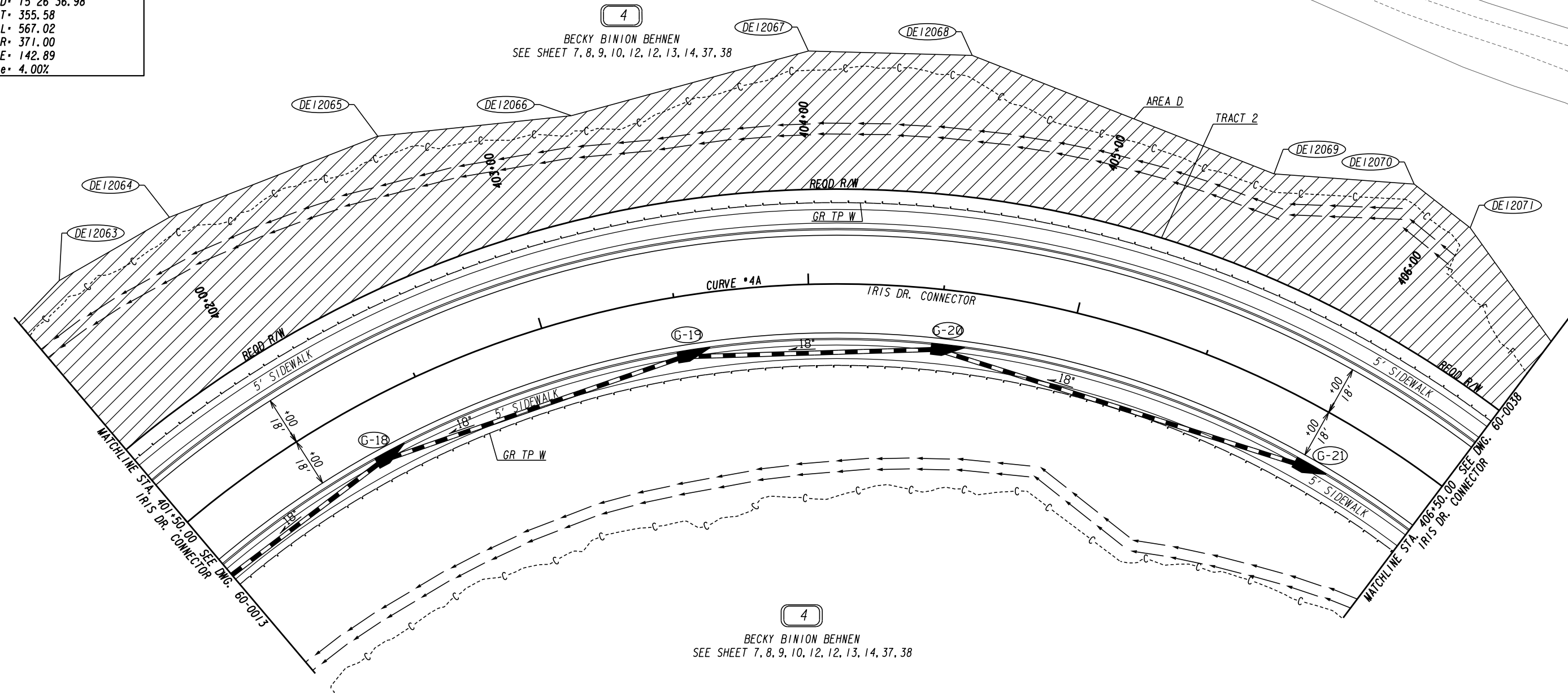
STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY TABLES

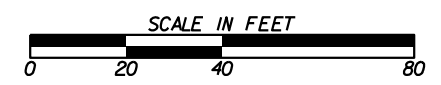
PROJECT NO: CSSTP-0006-00(934)
COUNTY: ROCKDALE
LAND LOT NO:
LAND DISTRICT:
GMD
DATE 6/18/21 SH 34 OF 45

DRAWING No.
60-0034

Curve 4A
 PI Sta: 404+86.91
 N: 1325186.1350
 E: 2349848.4416
 DELTA: 87°34'06.3" (RT)
 D: 15°26'36.98"
 T: 355.58
 L: 567.02
 R: 371.00
 E: 142.89
 e: 4.00%



4
 BECKY BINION BEHNEN
 SEE SHEET 7, 8, 9, 10, 12, 12, 13, 14, 37, 38



PROPERTY AND EXISTING R/W LINE	-----e-----
REQUIRED R/W LINE	-----f-----
CONSTRUCTION LIMITS	-----C-----
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	-----F-----
EASEMENT FOR CONSTR OF SLOPES	-----H-----
EASEMENT FOR CONSTR OF DRIVES	-----I-----

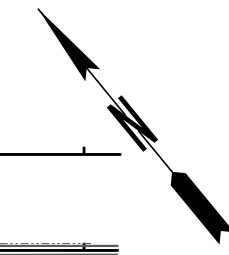
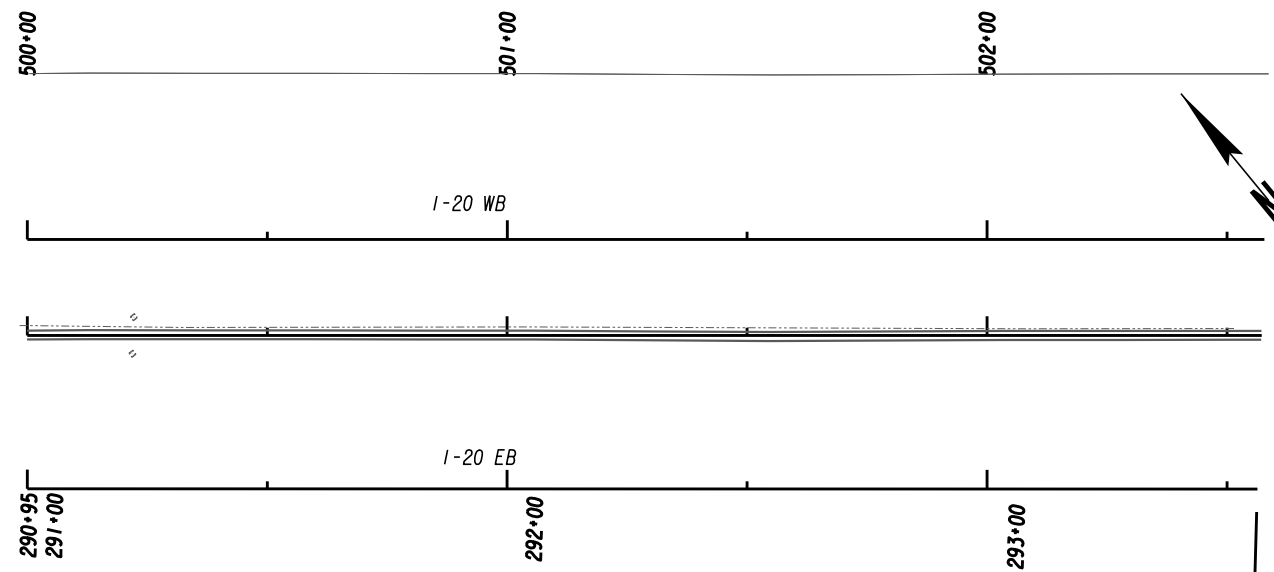
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END LIMIT OF ACCESS.....ELA	-----o-----
EXISTING LIMIT OF ACCESS	-----o-----
REQ'D LIMIT OF ACCESS	-----o-----
EXISTING LIMIT OF ACCESS & R/W	-----H-----
REQ'D LIMIT OF ACCESS & R/W	-----H-----
ORANGE BARRIER FENCE	-----o-----
ESA - ENV. SENSITIVE AREA	-----v-----

DATE	REVISIONS	DATE	REVISIONS

DATE	REVISIONS	DATE	REVISIONS

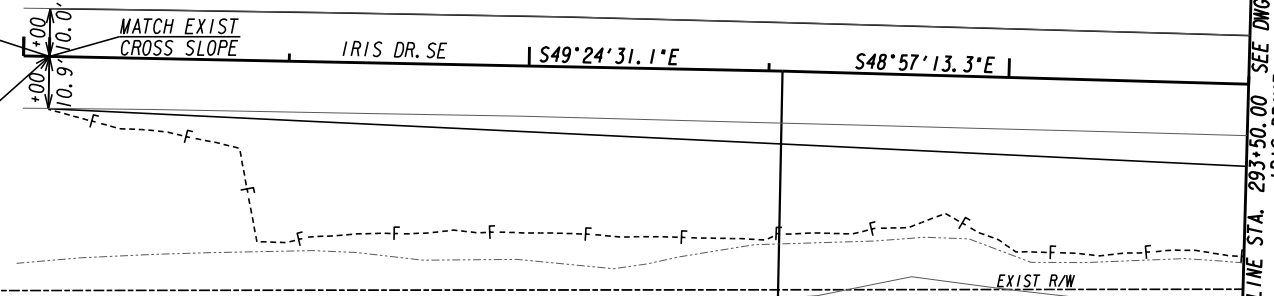
STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP
 PROJECT NO: CSSTP-0006-00(934)
 COUNTY: ROCKDALE
 LAND LOT NO: 245
 LAND DISTRICT: 10TH
 GMD 476
 DATE 6/18/21 SH 35 OF 45

DRAWING No.
60-0035



BEG OVERLAY/WIDENING
TIE TO EXIST
STA 291+00.00

LIMIT OF CONSTRUCTION
BEGIN MILL & OVERLAY
STA. 291+00.00
N 1326184.4555
E 2349399.0842



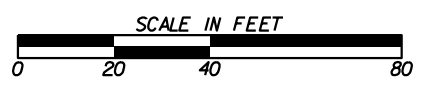
MATCHLINE STA. 293+50.00 SEE DNG. 60-0037
IRIS DRIVE

P.I. 292+52.79

WOODLAWN TRACE ATLANTA APARTMENT LP

EXIST R/W

EXIST R/W



PROPERTY AND EXISTING R/W LINE	-----e-----
REQUIRED R/W LINE	-----
CONSTRUCTION LIMITS	---C---F---
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF DRIVES	[Hatched Box]

BEGIN LIMIT OF ACCESS.....BLA	-----o-----
END LIMIT OF ACCESS.....ELA	-----o-----
EXISTING LIMIT OF ACCESS	-----o-----
REQ'D LIMIT OF ACCESS	-----o-----
EXISTING LIMIT OF ACCESS & R/W	-----H-----
REQ'D LIMIT OF ACCESS & R/W	-----H-----
ORANGE BARRIER FENCE	-----●-----
ESA - ENV. SENSITIVE AREA	-----▽-----

DATE	REVISIONS	DATE	REVISIONS
3/14/2022	ELIMINATED PARCEL 24 PESMT.		

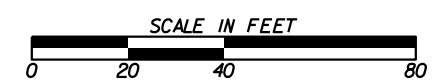
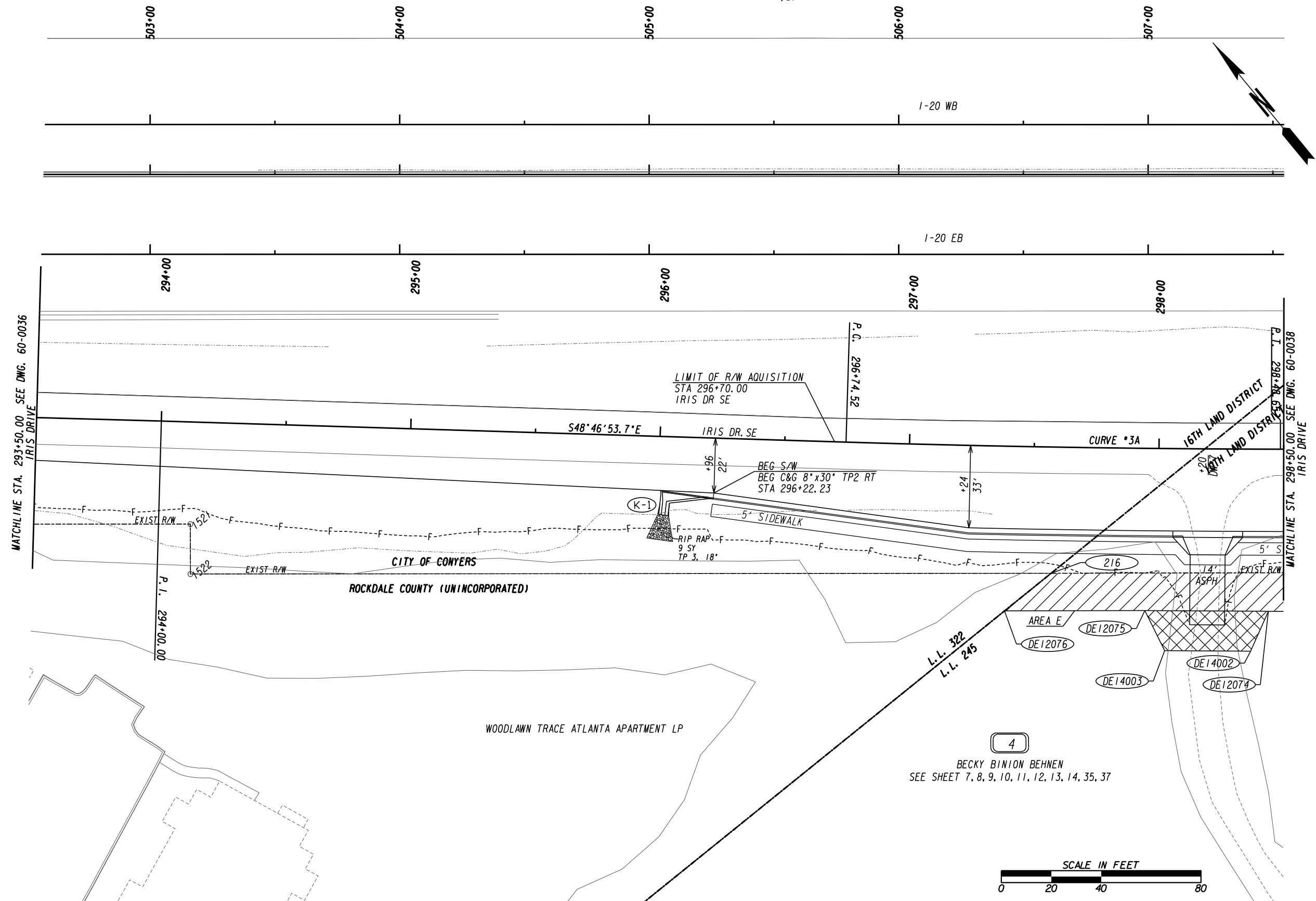
STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY MAP

PROJECT NO: CSSTP-0006-00(934)
COUNTY: ROCKDALE
LAND LOT NO: 322
LAND DISTRICT: 16TH
GMD 476
DATE 6/18/21 SH 36 OF 45

DRAWING No.
60-0036

Curve* 3A
 PI Sta= 23+61.59
 N= 1325750.1083
 E= 2349898.1221
 DELTA= 1°40'56.7" (LT)
 D= 0°57'58.33"
 T= 87.07
 L= 174.13
 R= 5930.00
 E= 0.64
 e= NC



PROPERTY AND EXISTING R/W LINE	-----e-----
REQUIRED R/W LINE	-----
CONSTRUCTION LIMITS	-----C-----F-----
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF SLOPES	[Cross-hatched Box]
EASEMENT FOR CONSTR OF DRIVES	[Diagonal-hatched Box]

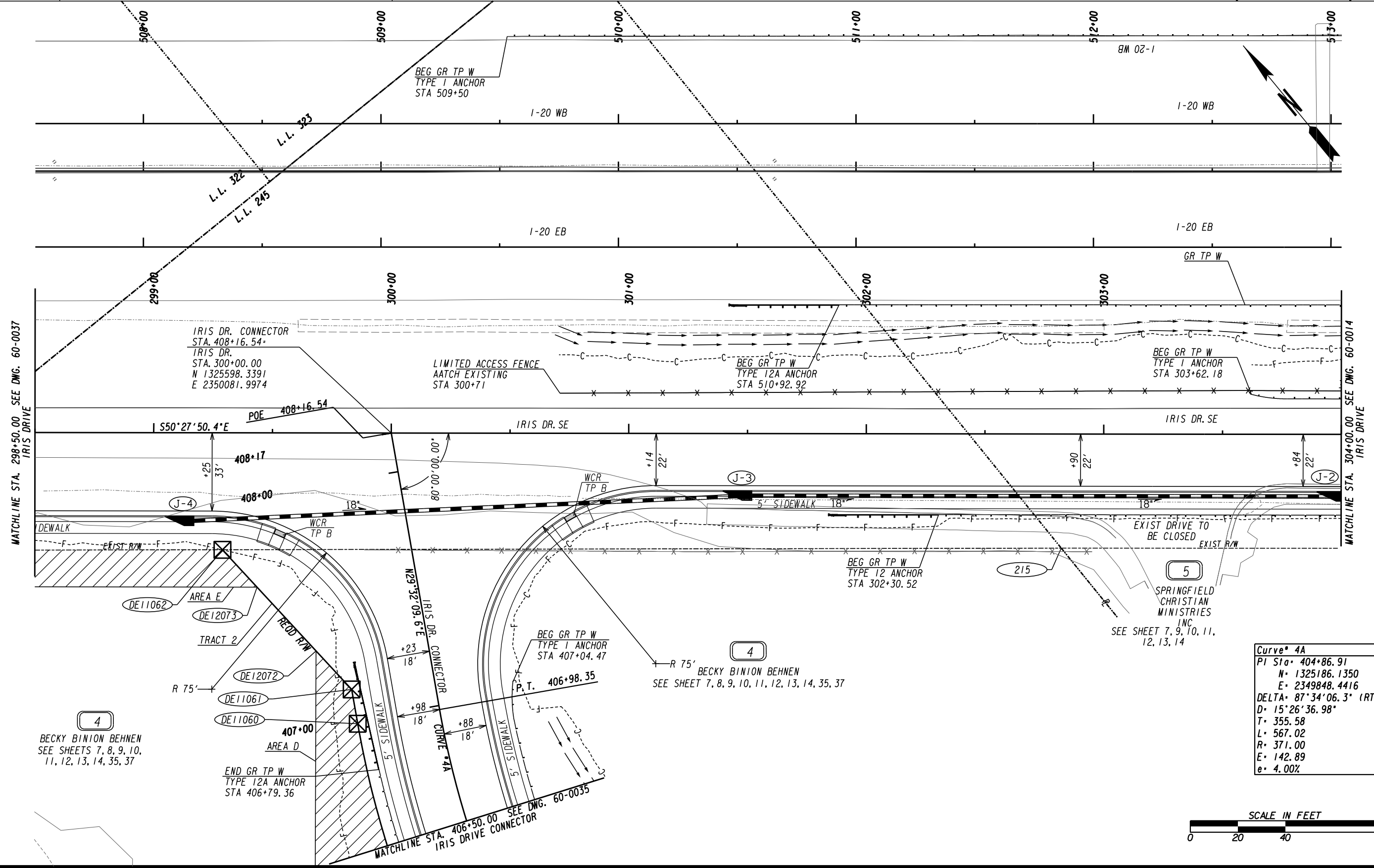
BEGIN LIMIT OF ACCESS.....BLA	-----o-----o-----
END LIMIT OF ACCESS.....ELA	-----o-----o-----
EXISTING LIMIT OF ACCESS	-----o-----o-----
REQ'D LIMIT OF ACCESS	-----o-----o-----
EXISTING LIMIT OF ACCESS & R/W	-----o-----o-----
REQ'D LIMIT OF ACCESS & R/W	-----o-----o-----
ORANGE BARRIER FENCE	-----o-----o-----
ESA - ENV. SENSITIVE AREA	-----o-----o-----

DATE	REVISIONS	DATE	REVISIONS
3/14/2022	ELIMINATED PARCEL 24 PESMT.		

DATE	REVISIONS

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP
 PROJECT NO: CSSTP-0006-00(934)
 COUNTY: ROCKDALE
 LAND LOT NO: 245, 322
 LAND DISTRICT: 10TH, 16TH
 GMD 476
 DATE 6/18/21 SH 37 OF 45

DRAWING No.
60-0037

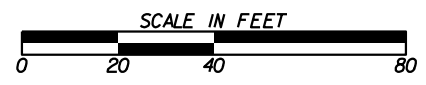


MATCHLINE STA. 298+50.00 SEE DWG. 60-0037 IRIS DRIVE

MATCHLINE STA. 304+00.00 SEE DWG. 60-0014 IRIS DRIVE

4
BECKY BINION BEHREN
SEE SHEETS 7, 8, 9, 10,
11, 12, 13, 14, 35, 37

Curve* 4A	
PI Sta	404+86.91
N	1325186.1350
E	2349848.4416
DELTA	87°34'06.3" (RT)
D	15'26'36.98"
T	355.58
L	567.02
R	371.00
E	142.89
e	4.00%



PROPERTY AND EXISTING R/W LINE	---
REQUIRED R/W LINE	---
CONSTRUCTION LIMITS	---
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	---
EASEMENT FOR CONSTR OF SLOPES	---
EASEMENT FOR CONSTR OF DRIVES	---

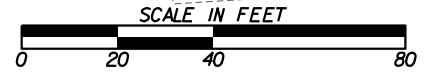
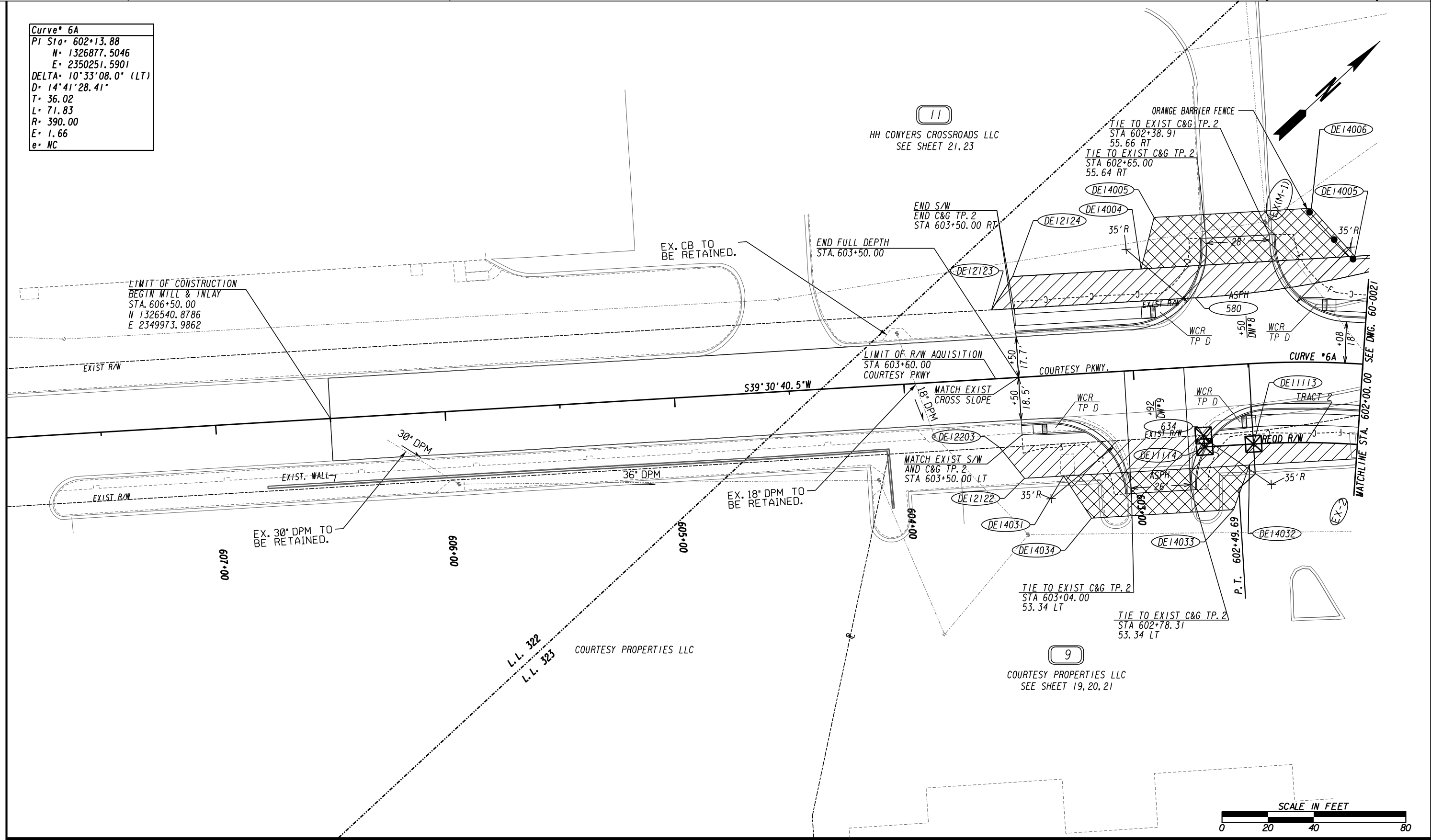
BEGIN LIMIT OF ACCESS.....BLA	---
END LIMIT OF ACCESS.....ELA	---
EXISTING LIMIT OF ACCESS	---
REQ'D LIMIT OF ACCESS	---
EXISTING LIMIT OF ACCESS & R/W	---
REQ'D LIMIT OF ACCESS & R/W	---
ORANGE BARRIER FENCE	---
ESA - ENV. SENSITIVE AREA	---

DATE	REVISIONS	DATE	REVISIONS

STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION	
RIGHT OF WAY MAP	
PROJECT NO:	CSSTP-0006-00(934)
COUNTY:	ROCKDALE
LAND LOT NO.:	245, 246, 322, 323
LAND DISTRICT:	10TH, 16TH
GMD:	476
DATE:	6/18/21 SH 38 OF 45

DRAWING No.	60-0038
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Curve* 6A
 PI Sta: 602+13.88
 N: 1326877.5046
 E: 2350251.5901
 DELTA: 10°33'08.0" (LT)
 D: 14°41'28.41"
 T: 36.02
 L: 71.83
 R: 390.00
 E: 1.66
 e: NC



PROPERTY AND EXISTING R/W LINE	-----e-----
REQUIRED R/W LINE	-----
CONSTRUCTION LIMITS	-----C-----F-----
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF DRIVES	[Hatched Box]

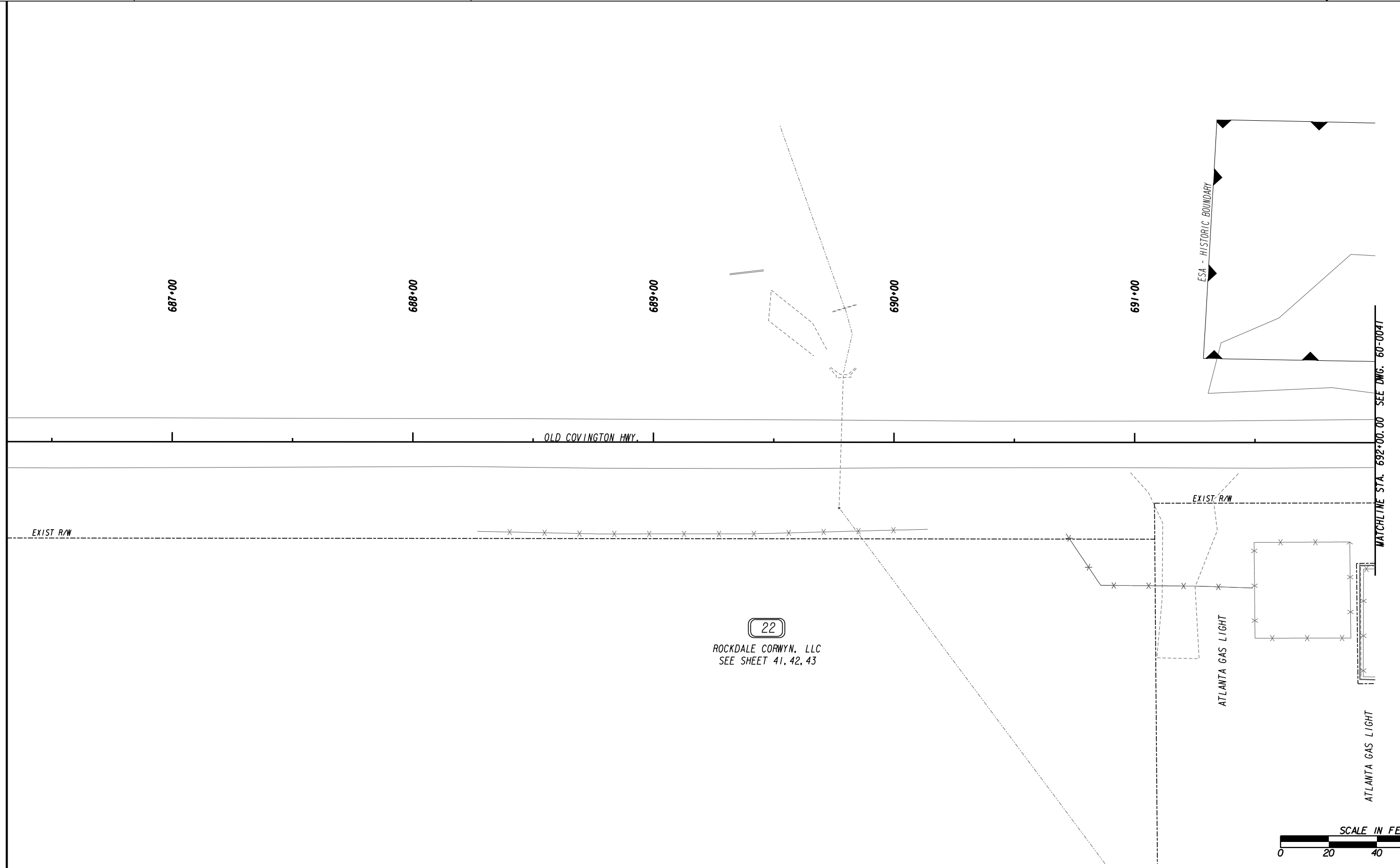
BEGIN LIMIT OF ACCESS.....BLA	-----o-----o-----
END LIMIT OF ACCESS.....ELA	-----o-----o-----
EXISTING LIMIT OF ACCESS	-----o-----o-----
REQ'D LIMIT OF ACCESS	-----o-----o-----
EXISTING LIMIT OF ACCESS & R/W	-----o-----o-----
REQ'D LIMIT OF ACCESS & R/W	-----o-----o-----
ORANGE BARRIER FENCE	-----o-----o-----
ESA - ENV. SENSITIVE AREA	-----o-----o-----

DATE	REVISIONS	DATE	REVISIONS
09/17/2021	REVISED PSEMT AREA E. PAR 9. ADDED OWNERSHIP PAR 9. REVISED PSEMT PAR 11.		

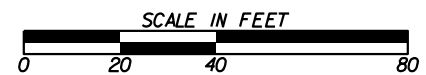
DATE	REVISIONS

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP
 PROJECT NO: CSSTP-0006-00(934)
 COUNTY: ROCKDALE
 LAND LOT NO: 322, 323
 LAND DISTRICT: 16TH
 GMD 476
 DATE 6/18/21 SH 39 OF 45

DRAWING No.
60-0039



22
ROCKDALE CORWYN, LLC
SEE SHEET 41, 42, 43



PROPERTY AND EXISTING R/W LINE	-----e-----
REQUIRED R/W LINE	-----
CONSTRUCTION LIMITS	---C---F---
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF DRIVES	[Hatched Box]

BEGIN LIMIT OF ACCESS.....BLA	---o---o---
END LIMIT OF ACCESS.....ELA	---o---o---
EXISTING LIMIT OF ACCESS	---o---o---
REQ'D LIMIT OF ACCESS	---o---o---
EXISTING LIMIT OF ACCESS & R/W	---H---H---
REQ'D LIMIT OF ACCESS & R/W	---H---H---
ORANGE BARRIER FENCE	---●---●---
ESA - ENV. SENSITIVE AREA	---▽---▽---

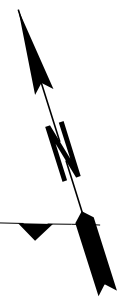
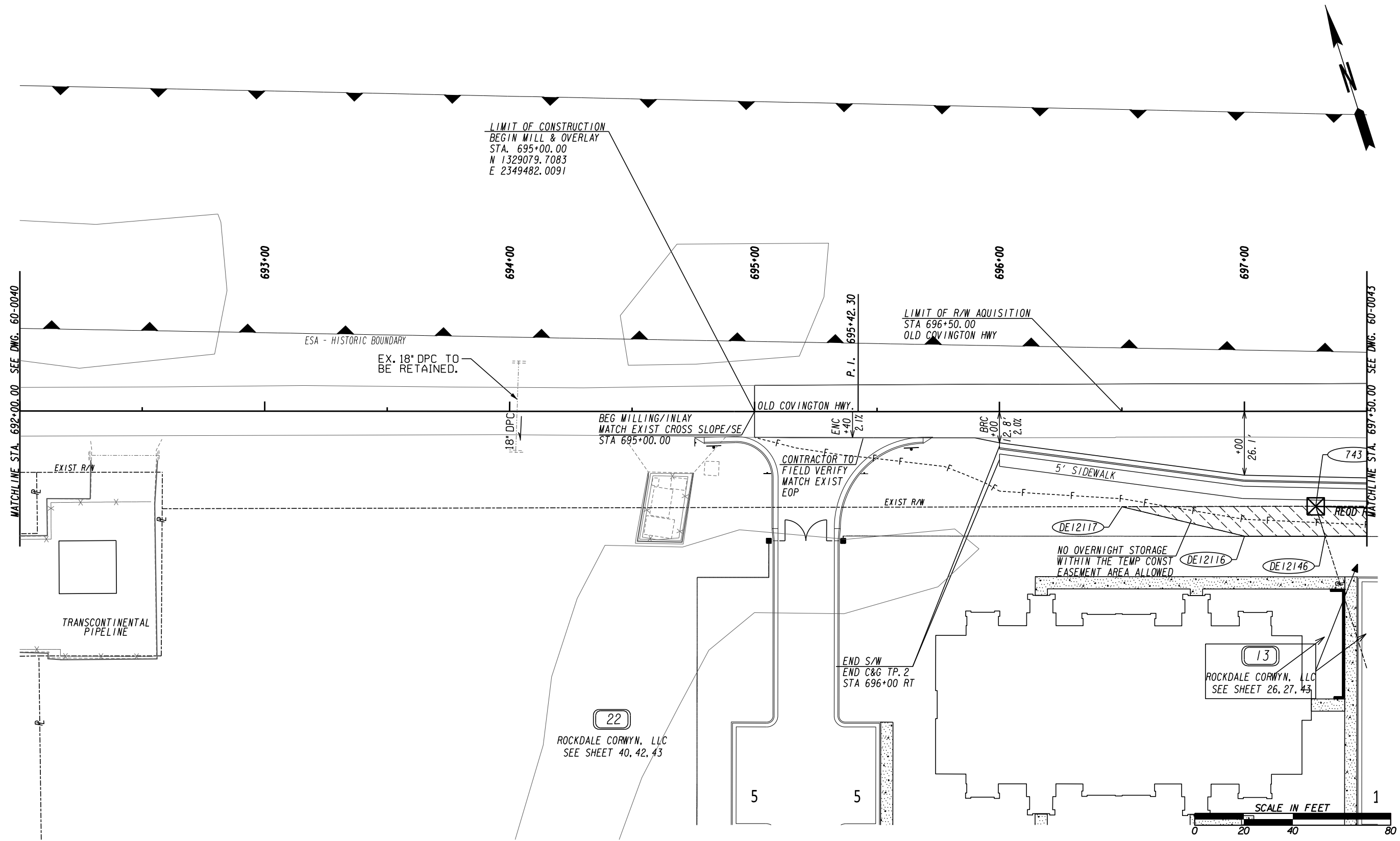
DATE	REVISIONS	DATE	REVISIONS
01/06/2022	PARCEL 23 REVISED TO 23A AND 23B. PESMNT AND DWESMT REVISED ACCORDINGLY.		
04/14/2022	PARCEL 23A & 23B: ELIMINATED PESMT AND DWESMT.		
04/14/2022	PARCEL 22: ELIMINATED DWESMT.		
02/10/2023	REVISED PARCEL 22 OWNER NAME.		

DATE	REVISIONS

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP

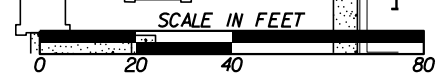
PROJECT NO: CSSTP-0006-00(934)
COUNTY: ROCKDALE
LAND LOT NO: 321
LAND DISTRICT: 16TH
GMD 476
DATE 6/18/21 SH 40 OF 45

DRAWING No.
60-0040



MATCHLINE STA. 692+00.00 SEE DWG. 60-0040

MATCHLINE STA. 697+50.00 SEE DWG. 60-0043



PROPERTY AND EXISTING R/W LINE	---
REQUIRED R/W LINE	---
CONSTRUCTION LIMITS	---
EASEMENT FOR CONSTR	---
& MAINTENANCE OF SLOPES	---
EASEMENT FOR CONSTR OF SLOPES	---
EASEMENT FOR CONSTR OF DRIVES	---

BEGIN LIMIT OF ACCESS.....BLA	---
END LIMIT OF ACCESS.....ELA	---
EXISTING LIMIT OF ACCESS	---
REQ'D LIMIT OF ACCESS	---
EXISTING LIMIT OF ACCESS & R/W	---
REQ'D LIMIT OF ACCESS & R/W	---
ORANGE BARRIER FENCE	---
ESA - ENV. SENSITIVE AREA	---

DATE	REVISIONS
01/06/2022	PARCEL 23 REVISED TO 23A AND 23B. PESMNT AND DWESMT REVISED ACCORDINGLY.
04/14/2022	PARCEL 23A & 23B: ELIMINATED PESMT AND DWESMT.
04/14/2022	PARCEL 22: ELIMINATED DWESMT, REQ'D R/W AND PESMT AREA B. REVISED AREA A.
02/10/2023	REVISED PARCEL 13 PESMT AREA B. REVISED PARCEL 22 PESMT AREA A.
02/10/2023	REVISED PARCELS 13 AND 22 OWNER NAME.
08/22/2023	PARCEL 13 & 22: REVISED PESMT TO TESMT, ADDED NOTE

DATE	REVISIONS

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY MAP

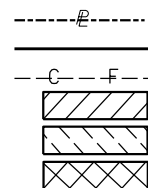
PROJECT NO: CSSTP-0006-00(934)
COUNTY: ROCKDALE
LAND LOT NO: 321
LAND DISTRICT: 16TH
GMD 476
DATE 6/18/21 SH 41 OF 45

DRAWING No.
60-0041

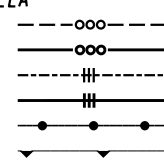
 TESMT AREA A - PAR22/SV30
 EASEMENT FOR CONSTR OF SLOPES DE233
 PARCEL 22 - ROCKDALE CORWYN, LLC

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE12146	51.00 R	697+32.91	OLD COVINGTON HWY CL
	32.91	N 72°35'25.6" W	
DE12116	51.00 R	697+00.00	OLD COVINGTON HWY CL
	51.44	N 59°00'53.9" W	
DE12117	38.93 R	696+50.00	OLD COVINGTON HWY CL
	79.08	S 72°39'28.7" E	
743	38.83 R	697+29.08	OLD COVINGTON HWY CL
	12.76	S 0°04'54.4" E	
DE12146	51.00 R	697+32.91	OLD COVINGTON HWY CL
REQD EASMT	679.95	SF	
REQD EASMT	0.016	ACRES	

PROPERTY AND EXISTING R/W LINE
 REQUIRED R/W LINE
 CONSTRUCTION LIMITS
 EASEMENT FOR CONSTR
 & MAINTENANCE OF SLOPES
 EASEMENT FOR CONSTR OF SLOPES
 EASEMENT FOR CONSTR OF DRIVES



BEGIN LIMIT OF ACCESS.....BLA
 END LIMIT OF ACCESS.....ELA
 EXISTING LIMIT OF ACCESS
 REQ'D LIMIT OF ACCESS
 EXISTING LIMIT OF ACCESS & R/W
 REQ'D LIMIT OF ACCESS & R/W
 ORANGE BARRIER FENCE
 ESA - ENV. SENSITIVE AREA



DATE	REVISIONS
01/06/2022	PARCEL 23 REVISED TO 23A AND 23B. PESMNT AND DWESMT REVISED ACCORDINGLY.
03/14/2022	ELIMINATED PARCEL 24 PESMT.
04/14/2022	PARCEL 23A & 23B: ELIMINATED PESMT AND DWESMT.
04/14/2022	PARCEL 22:ELIMINATED REQD R/W,DWESMT AND PESMT AREAB. REVISED AREA A.
02/10/2023	PARCEL 22: REVISED PESMT AREA A. REVISED PARCEL OWNER NAME.
08/22/2023	PARCEL 22: REVISED PESMT TO TESMT

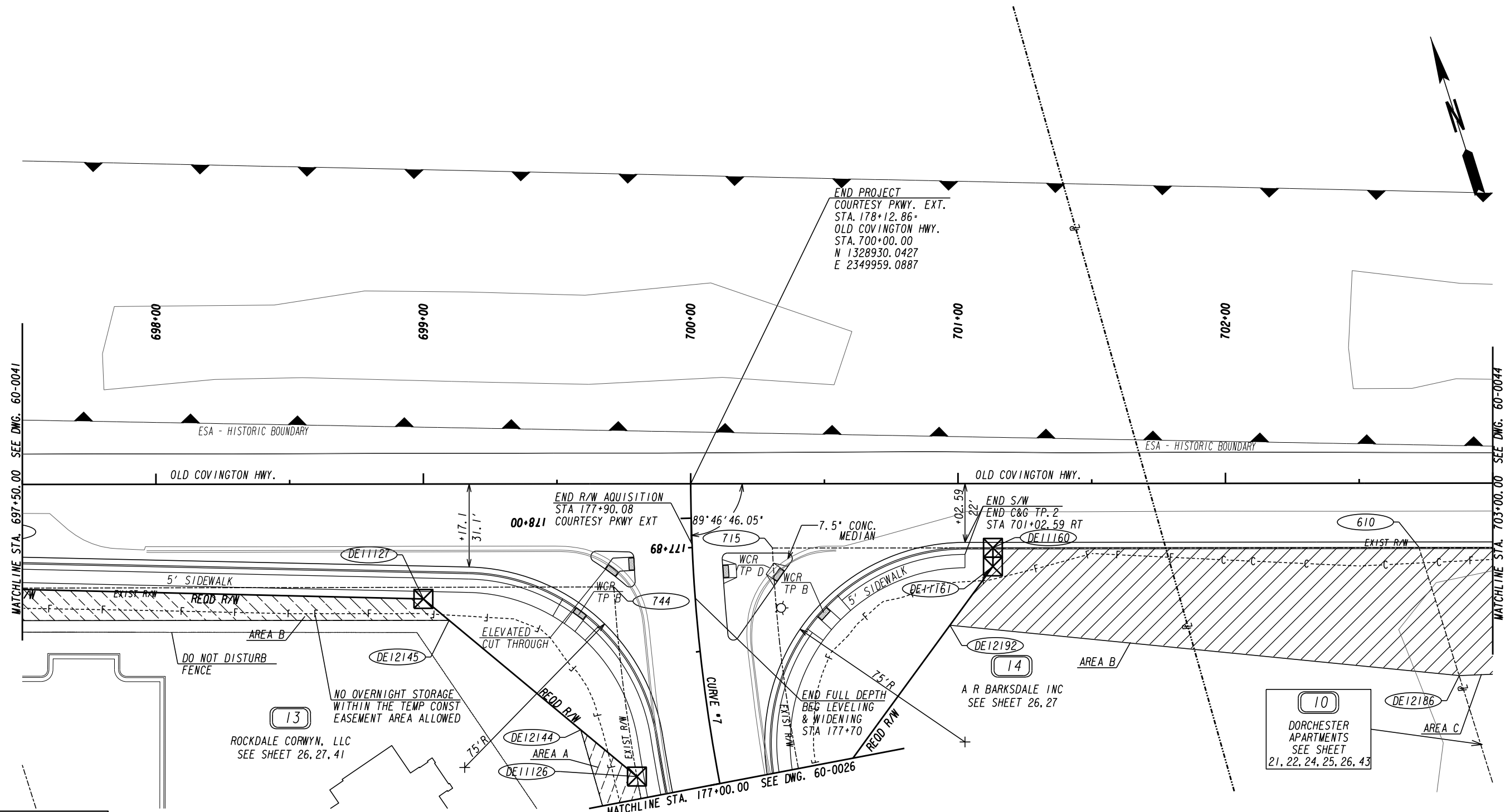
DATE	REVISIONS

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION

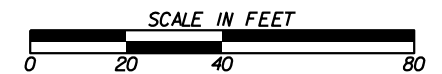
RIGHT OF WAY TABLES

PROJECT NO:CSSTP-0006-00(934)
 COUNTY: ROCKDALE
 LAND LOT NO:
 LAND DISTRICT:
 GMD
 DATE 6/18/21 SH 42 OF 45

DRAWING No.
60-0042



Curve 7
 PI Sta. 176+73.07
 N. 1328791.3852
 E. 2349915.5894
 DELTA. 27°06'38.4" (RT)
 D. 9°20'59.96"
 T. 147.74
 L. 289.95
 R. 612.79
 E. 17.56
 e. 3.60%



PROPERTY AND EXISTING R/W LINE	-----e-----
REQUIRED R/W LINE	-----
CONSTRUCTION LIMITS	-----C-----F-----
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF DRIVES	[Hatched Box]

BEGIN LIMIT OF ACCESS.....BLA	-----o-----o-----
END LIMIT OF ACCESS.....ELA	-----o-----o-----
EXISTING LIMIT OF ACCESS	-----o-----o-----
REQ'D LIMIT OF ACCESS	-----o-----o-----
EXISTING LIMIT OF ACCESS & R/W	-----o-----o-----
REQ'D LIMIT OF ACCESS & R/W	-----o-----o-----
ORANGE BARRIER FENCE	-----o-----o-----
ESA - ENV. SENSITIVE AREA	-----o-----o-----

DATE	REVISIONS	DATE	REVISIONS
04/14/2022	PARCEL 13: REVISED REOD R/W, PESMT AREA A & B.		
02/10/2023	PARCEL 13: REVISED PESMT AREA A & B. REVISED PARCEL OWNER NAME.		
08/22/2023	PARCEL 13: REVISED PESMT TO TESMT, ADDED "DO NOT DISTURB" NOTES		

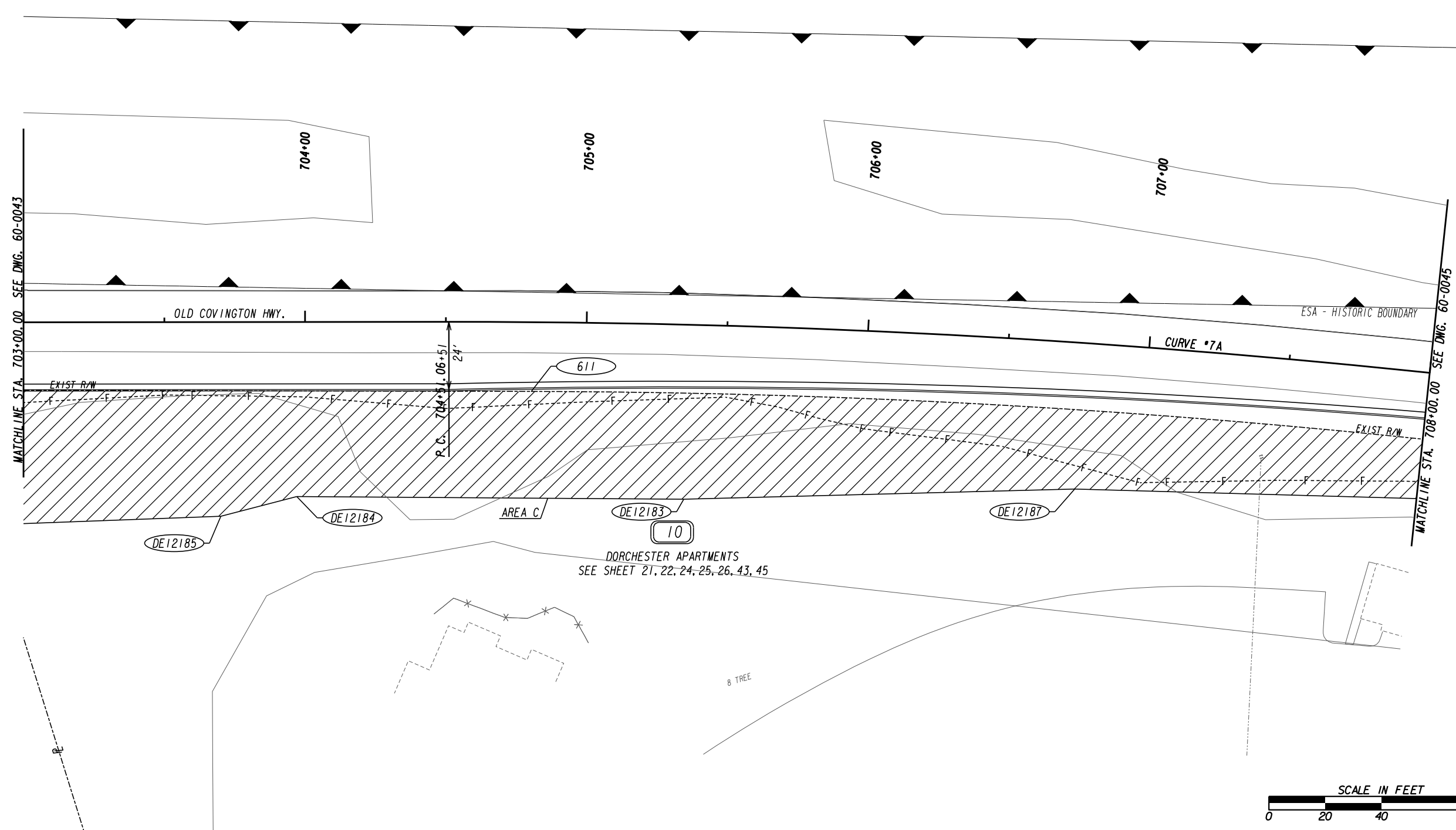
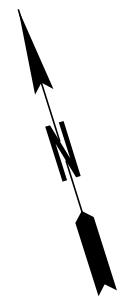
DATE	REVISIONS

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

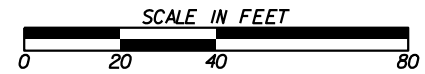
RIGHT OF WAY MAP

PROJECT NO: CSSTP-0006-00(934)
 COUNTY: ROCKDALE
 LAND LOT NO: 321, 324
 LAND DISTRICT: 16TH
 GMD 476
 DATE 6/18/21 SH 43 OF 45

DRAWING No.
60-0043



Curve # 7A	
PI Sta	706+87.08
N	1328725.2624
E	2350614.9386
DELTA	8°37'06.3" (RT)
D	1°50'53.70"
T	233.59
L	466.30
R	3100.00
E	8.79
e	NC



PROPERTY AND EXISTING R/W LINE	-----e-----
REQUIRED R/W LINE	-----f-----
CONSTRUCTION LIMITS	-----c-----
EASEMENT FOR CONSTR	-----f-----
& MAINTENANCE OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF DRIVES	[Hatched Box]

BEGIN LIMIT OF ACCESS.....BLA	-----o-----
END LIMIT OF ACCESS.....ELA	-----o-----
EXISTING LIMIT OF ACCESS	-----o-----
REQ'D LIMIT OF ACCESS	-----o-----
EXISTING LIMIT OF ACCESS & R/W	-----h-----
REQ'D LIMIT OF ACCESS & R/W	-----h-----
ORANGE BARRIER FENCE	-----b-----
ESA - ENV. SENSITIVE AREA	-----v-----

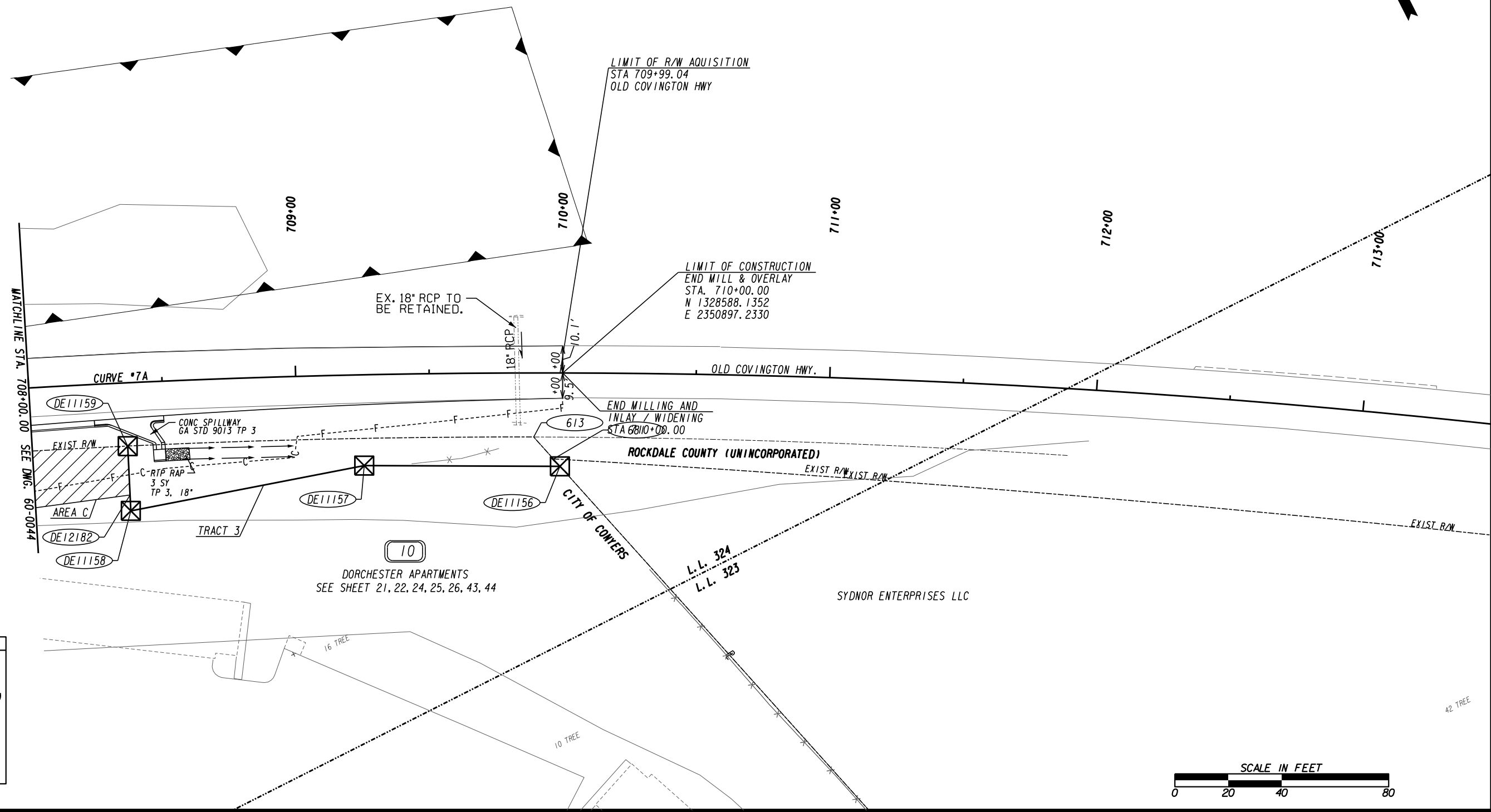
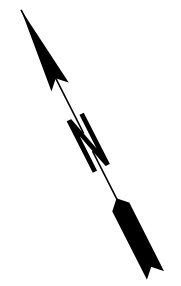
DATE	REVISIONS	DATE	REVISIONS

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY MAP

PROJECT NO: CSSTP-0006-00(934)
COUNTY: ROCKDALE
LAND LOT NO: 324
LAND DISTRICT: 16TH
GMD 476
DATE 6/18/21 SH 44 OF 45

DRAWING No.
60-0044



Curve* 7A
 PI Sta= 706+87.08
 N= 1328725.2624
 E= 2350614.9386
 DELTA= 8°37'06.3" (RT)
 D= 1°50'53.70"
 T= 233.59
 L= 466.30
 R= 3100.00
 E= 8.79
 e= NC



PROPERTY AND EXISTING R/W LINE	-----e-----
REQUIRED R/W LINE	-----
CONSTRUCTION LIMITS	-----C-----
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	-----F-----
EASEMENT FOR CONSTR OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF DRIVES	[Cross-hatched Box]

BEGIN LIMIT OF ACCESS.....BLA	-----o-----
END LIMIT OF ACCESS.....ELA	-----o-----
EXISTING LIMIT OF ACCESS	-----o-----
REQ'D LIMIT OF ACCESS	-----o-----
EXISTING LIMIT OF ACCESS & R/W	----- -----
REQ'D LIMIT OF ACCESS & R/W	----- -----
ORANGE BARRIER FENCE	-----●-----
ESA - ENV. SENSITIVE AREA	-----▽-----

DATE	REVISIONS	DATE	REVISIONS

DATE	REVISIONS	DATE	REVISIONS

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP
 PROJECT NO: CSSTP-0006-00(934)
 COUNTY: ROCKDALE
 LAND LOT NO: 323, 324
 LAND DISTRICT: 16TH
 GMD 476
 DATE 6/18/21 SH 45 OF 45

DRAWING No.
60-0045