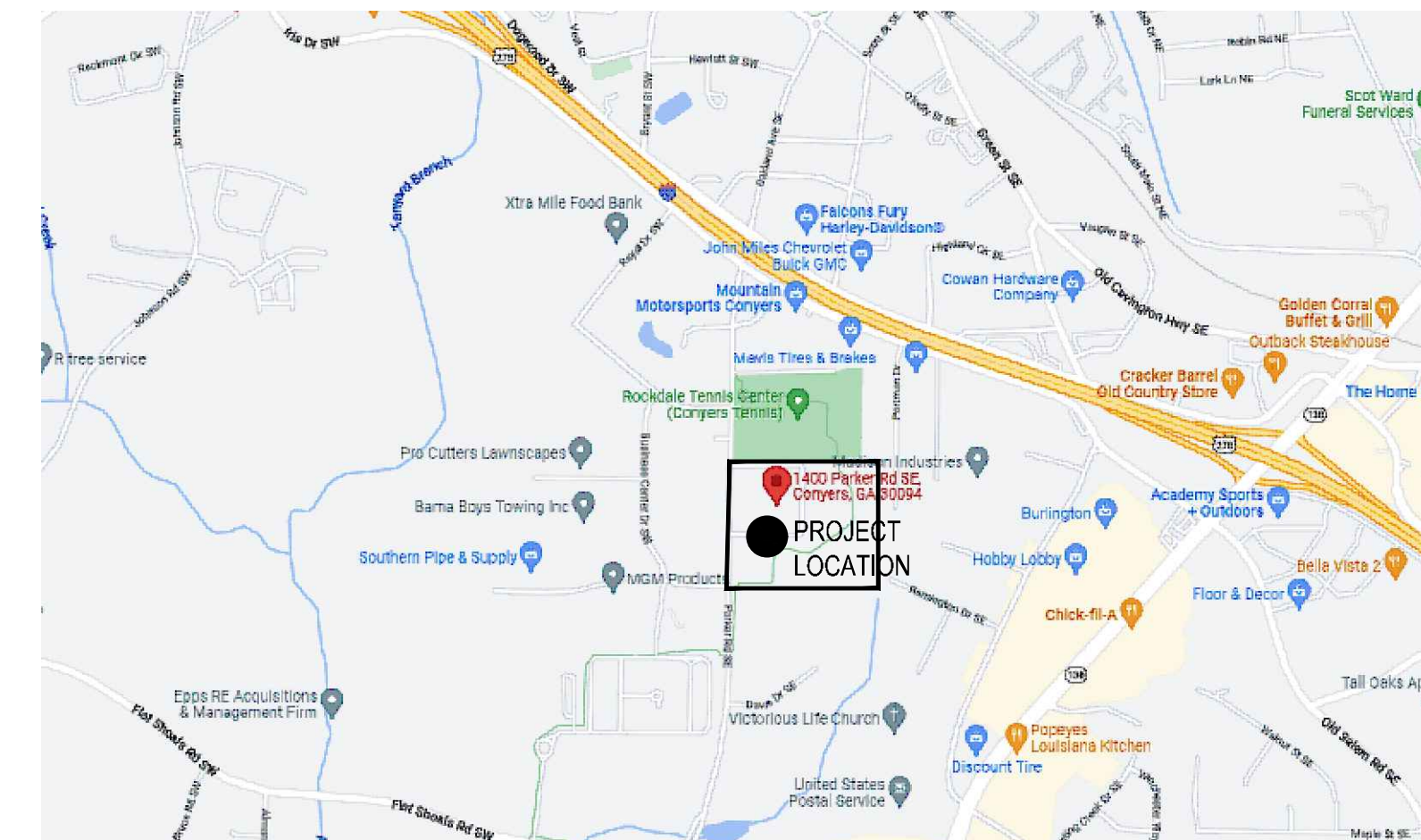


SITE DEVELOPMENT PLANS FOR WHEELER PARK ADDITIONS

075001021B
1400 SE PARKER RD
CONYERS, GA 30094
ZONING - I-D

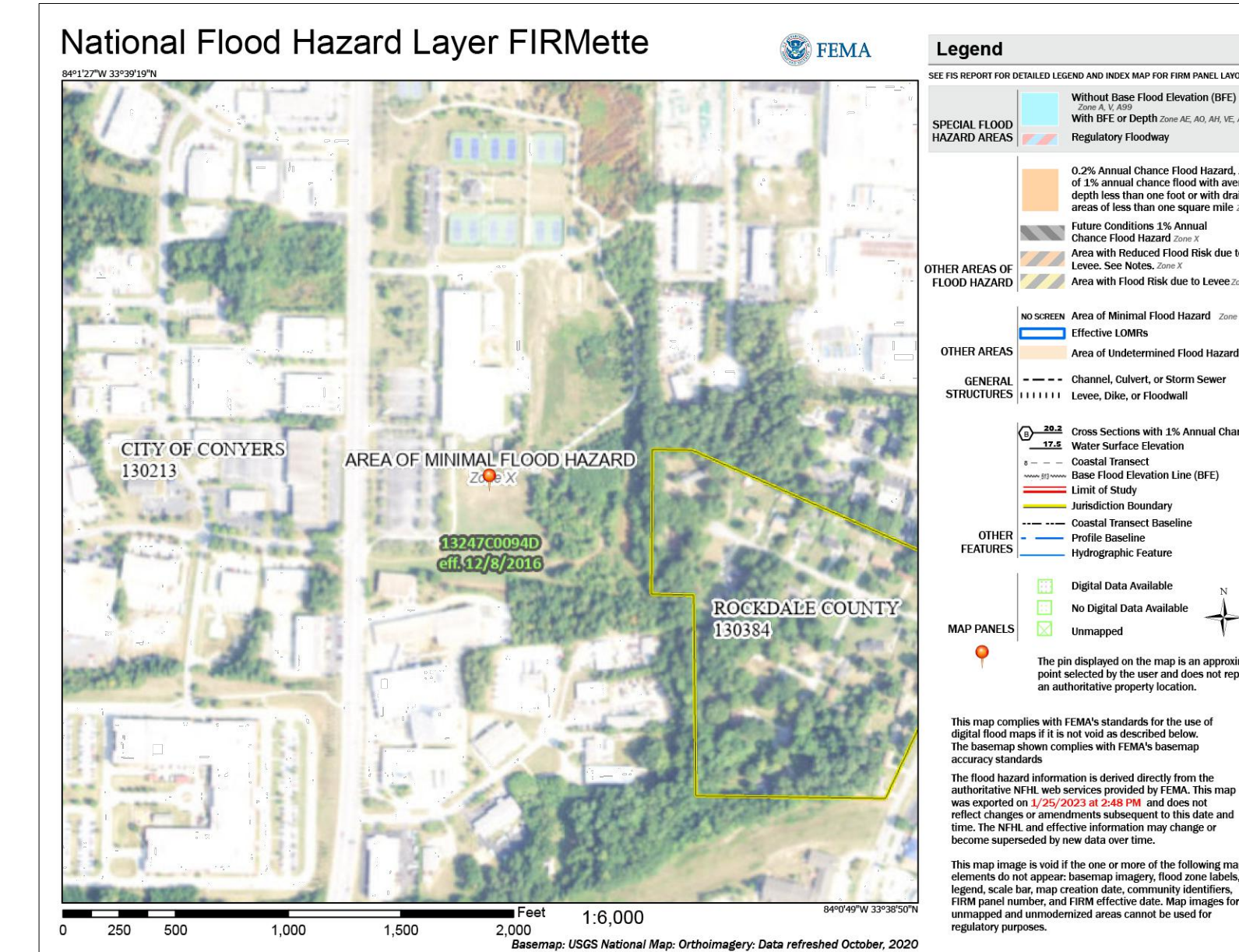
SHEET INDEX

Sheet Number	Sheet Title
CV-1.0	COVER SHEET
C-1.1	GENERAL NOTES
C-2.0	DEMOLITION AND REMOVAL PLAN
C-2.1	LAYOUT & STAKING PLAN
C-3.0	GRADING PLAN
C-4.0	STORMWATER MANAGEMENT PLAN
C-4.1	STORMWATER MANAGEMENT PROFILE
C-4.2	STORMWATER MANAGEMENT DETAILS
C-4.3	STORMWATER MANAGEMENT DETAILS
C-5.0	UTILITY PLAN
C-6.1	EROSION SEDIMENTATION AND POLLUTION CONTROL NOTES 1
C-6.2	EROSION SEDIMENTATION AND POLLUTION CONTROL NOTES 2
C-6.3	INITIAL EROSION SEDIMENTATION AND POLLUTION CONTROL PLANS
C-6.4	INTERMEDIATE EROSION SEDIMENTATION AND POLLUTION CONTROL PLANS
C-6.5	FINAL EROSION SEDIMENTATION AND POLLUTION CONTROL PLANS
C-6.6	EROSION SEDIMENTATION AND POLLUTION CONTROL DETAILS
C-6.7	EROSION SEDIMENTATION AND POLLUTION CONTROL DETAILS
C-8.0	SITE DETAILS
C-8.1	SITE DETAILS



VICINITY MAP
NOT TO SCALE

GPS COORDINATES
N 33°39'02.44" W 84°01'13.38"
N 33.650679 W -84.020383



FLOOD MAP
NOT TO SCALE

STANDARD ABBREVIATIONS		LEGEND	
APPROX = APPROXIMATE	DA = DIAMETER	GM = GAS METER	OH = OVERHEAD POWER
BLED = BUILDING	DS = DOWNSPOUT	GP = GUY POLE	FR = PLAT BOOK
BM = BENCH MARK	EWBC = EROSION WINDING GATCH/BASIN	GV = GAS VALVE	FB = FENCE
CG = CURB AND GUTTER	ESBPC = EROSION SEDIMENTATION AND POLLUTION CONTROL	ICV = IRRIGATION CONTROL VALVE	FL = PROPERTY LINE
CI = CURB INLET	FC = FRESH FLOOR ELEVATION	IMP = INVERT ELEVATION	POB = POINT OF BEGINNING
CL = CHAIN LINK	FCC = FIRE DEPARTMENT CONNECTION	IMP = IMPERVIOUS	PP = POWER POLE
CO = CORRUGATED METAL PIPE	FEE = FRESH FLOOR ELEVATION	IPF = IRON PIPE FOUND	PVC = POLY(VINYL CHLORIDE) PIPE
CO = CLEANOUT	FE = FIRE HYDRANT	J = JUNCTION BOX	RF = REINFORCED
COB = CORRUGATED PLASTIC PIPE	FE = FEET OPTIC	LA = LOCAL ISSUING AUTHORITY	RCP = REINFORCED CONCRETE PIPE
CT = CRIMP TOP FOUND	FE = FEET	LP = LIGHT POLE	RW = RIGHT OF WAY
DB = DEED BOOK	GI = GRATE INLET	NTS = NOT TO SCALE	SM = STORM MANHOLE

CONSTRUCTION SEQUENCE SCHEDULE						
MONTH 1	MONTH 2	MONTH 3	MONTH 4	MONTH 5	MONTH 6	MONTH 7
PRECONSTRUCTION MEETING WITH LOCAL ISSUING AUTHORITY						
PERFORM INITIAL MONITORING						
INSTALL CONSTRUCTION FENCE						
INSTALL INITIAL SILT FENCE (PERIMETER SILT FENCE LOCATIONS FIRST)						
PROVIDE ANY INITIAL MULCHING, GRASSING, OR OTHER GROUND COVER						
INSTALL STORMWATER MANAGEMENT SYSTEMS						
BEGIN CLEARING, GRUBBING, TOPSOILING AND GRADING OPERATIONS WITHIN LIMITS OF DETENTION POND						
INSTALL DETENTION BASIN WITH SHANKER OUTLET						
INSTALL APPROPRIATE FENCE AND STRUCTURAL BARRIERS (INLET, OUTLET, PROTECTION, FENCE, ETC.)						
INSTALL WHEEL WASH AND FUEL STORAGE LOCATION						
COORDINATE SITE REVIEW MEETING WITH ENGINEER AND LOCAL ISSUING AUTHORITY						
INSTALL STORM PIPE SYSTEMS WITH PROTECTED INLETS (SOFS)						
THROUGHOUT LAND DISTURBANCE PROCESS, MAINTAIN EX. BMPs (VEGETATIVE AND STRUCTURAL)						
COORDINATE UTILITY COMPANIES ON UTILITY SERVICE LOCATIONS						
BEGIN REMAINING CLEARING, GRUBBING, TOPSOILING AND GRADING OPERATIONS						
INSTALL TOPSOIL STORAGE LOCATION, IMMEDIATELY GRASS, MULCH, INSTALL ANY REMAINING STORMWATER MANAGEMENT SYSTEMS						
PERFORM REMAINING GRADING, ADJUST STORM PASSES WITH GRASS CHANGES, AND ADJUST ALL SOFS						
AS GRASS BE BROUGHT TO PROPER GRASS, BLANKET ANY AREAS THAT ARE NOT GRASS OR THAT WILL BE LEFT BARE FOR YEARS						
INSTALL REMAINING UTILITY SYSTEMS (ELECTRIC, GAS, WATER, ETC.) WITH APPROPRIATE BARRIERS						
CONTINUE FLOODPLAIN LOCAL APPLICATIONS EVERY 7 DAYS THROUGHOUT PROJECT						
INSTALL REMAINING STORM SYSTEMS AS GRASSES ARE ACHIEVED						
IMMEDIATELY REMOVE STORMWATER MANAGEMENT SYSTEMS AND OCCASIONALLY TO FACILITY STRUCTURE						
GRASS / MULCH / FCO DISTURBED AREAS AND INSTALL ASSOCIATED INTERMEDIATE BMPs						
INSTALL SANITARY SEWER MAINS AND SERVICES						
GRASS / MULCH / FCO DISTURBED AREAS AND INSTALL ASSOCIATED INTERMEDIATE BMPs						
INSTALL WATER SYSTEM						
GRASS / MULCH / FCO DISTURBED AREAS AND INSTALL ASSOCIATED INTERMEDIATE BMPs						
INSTALL REMAINING UTILITY SYSTEMS (ELECTRIC, GAS, WATER, ETC.) WITH APPROPRIATE BARRIERS						
INSTALL GAS THROUGHOUT PARKING AREA UP TO DESIGNATED LINE						
INSTALL REMAINING GAS						
INSTALL SIDEWALK						
FRESH GRADE SHOULDERS AND STABLE DISTURBED AREAS WITH PERMANENT VEGETATION						
CONTINUE TO APPLY TO OCCUPANT APPLICATIONS, MULCHING AND GRASSING AT EACH STEP TO LIMIT SOIL EXPOSURE						
THROUGHOUT LAND DISTURBANCE PROCESS, MAINTAIN EX. BMPs (VEGETATIVE AND STRUCTURAL)						
THROUGHOUT LAND DISTURBANCE PROCESS, CONTINUE BMPs MONITORING AND REPORTING						
COMPLETE PAVING OPERATIONS						
COORDINATE UTILITY MEETING WITH ENGINEER AND LOCAL ISSUING AUTHORITY INSPECTOR						
CLEAN SLIP FROM ALL STORM SYSTEMS DISTRIBUTE ON SITE AND STABILIZE						
REMOVE ANY TEMPORARY BMP PRACTICES ONCE SITE STABILIZATION IS ACHIEVED AND SIGNED OFF BY ENGINEER						
COORDINATE SITE REVIEW MEETING WITH ENGINEER FOR FINAL SITE APPROVAL						

SITE INFORMATION	
A PORTION OF THE TOTAL 48.45 ACRES OF EXISTING LAND WILL BE DEVELOPED FOR PARK IMPROVEMENTS AND ADDITIONS	
ZONING -	I-D
PROPERTY AREA	48.45 ACRES
DISTURBED AREA	3.5 AC
MINIMUM LOT SIZE	1 AC
MINIMUM LOT WIDTH	100'
MINIMUM FRONT SETBACK	50'
MINIMUM SIDE SETBACK	25'
MINIMUM REAR SETBACK	50'
MINIMUM OPEN SPACE	0'
MAXIMUM IMPERVIOUS %	75%
EXISTING IMPERVIOUS	13.75 AC (28.4%)
PROPOSED IMPERVIOUS	14.20 AC (29.3%)

MISCELLANEOUS INFORMATION	
SIGNAGE	SIGNAGE SHALL BE HANDLED UNDER A SEPARATE PERMIT
SITE LIGHTING	SITE LIGHTING IS NOT A PART OF THE CIVIL PLANS (SITE WORK CONSTRUCTION DRAWINGS). LIGHT LIGHTING PROVIDED BY OTHERS UNDER SEPARATE COVER
SOIL SERIES	PdM-PACOLET SANDY LOAM, 2% TO 6% SLOPES U-URBAN LAND
FLOOD PLAIN	THERE IS NO FLOODPLAIN ON THIS PROPERTY AS PER FIRM PANEL 130213G (REVISION DATED 12/8/2016). NO WORK IS BEING DONE WITHIN A FLOODPLAIN. THE PROPERTY SHOWN HEREON LIES WITHIN ZONE X AND IS NOT WITHIN A SPECIAL FLOOD-HAZARD AREA.
STATE WATERS	THERE ARE NO STATE WATERS PRESENT ON THIS SITE. THERE ARE NO STREAM BUFFERS ON THIS PROPERTY.
HYDROLOGY	THE PROPOSED SITE CONTAINS (1) OVERALL DETENTION BASIN THAT GENERALLY FLOWS FROM THE NORTHWEST TO THE SOUTHWEST TOWARDS AN EXISTING DETENTION BASIN LOCATED AT THE SOUTHEAST PORTION OF THE PROPERTY. A COMBINATION OF A STORM WATER SYSTEM AND CATCH BASIN AT CONYERS WATER TO A NEWLY PROPOSED DETENTION BASIN TO REMOVE 100% OF THE RAINFALL FROM THE PROPOSED SITE. PRE-DEVELOPMENT PEAK FLOW RATES FOR THE 2 YR THROUGH 10 YR RETURN PERIODS FOR THE DETENTION BASIN WATER QUALITY MEASURES HAVE BEEN PROVIDED THROUGH THE USE OF A HYDROLOGICAL MODEL. THE DETENTION BASIN AREA TREATMENT FOR THE DRAINAGE BASIN IMPERVIOUS AREA CHANNEL PROTECTION MEASURES HAVE ALSO BEEN PROVIDED WITHIN THE DETENTION BASIN AND DESIGNED AS PART OF THE OUTLET CONTROL STRUCTURE.
WETLAND	THERE ARE NO WETLANDS BEING DISTURBED ON THIS SITE. THE DESIGN PROFESSIONAL, WHOSE SEAL APPEARS HEREON, CERTIFIES THE FOLLOWING: (1) THE NATIONAL WETLANDS INFORMATION SYSTEM (NWIS) DATA DOES NOT INDICATE WETLANDS AS SHOWN ON THE MAP AND (2) THE DESIGN PROFESSIONAL HAS BEEN ADVISED BY THE LAND OWNER OR DEVELOPER THAT THERE ARE NO WETLANDS ON THE PROPERTY. UNLESS APPROPRIATE FEDERAL WETLANDS ALTERATION (SECTION 404) PERMIT HAS BEEN OBTAINED.

OWNER/DEVELOPER COMPANY: ROCKDALE COUNTY ADDRESS: P.O. BOX 289 CONYERS, GA 30012 PHONE: (770) 278-7283 CONTACT: BRITTANY KONOPA EMAIL: BRITTANY.KONOPA@ROCKDALECOUNTYGA.GOV	JASON P. BROWN LEVEL II CERTIFIED DESIGN PROFESSIONAL #53274 - EXP. 05.01.2026
CONTRACTOR COMPANY: TBD ADDRESS: TBD CONTACT: TBD PHONE: TBD EMAIL: TBD	24-HOUR CONTACT JASON BROWN (770) 717-9972 TO BE CHANGED ONCE CONTRACT IS AWARDED
SURVEYOR COMPANY: PATRICK & ASSOCIATES ADDRESS: 928 BLACKLAWN RD SW CONYERS, GA 30094 PHONE: 770-483-9745 CONTACT: JAMES S. HULL EMAIL: TREYLOG@AOL.COM	SITE DESIGNER COMPANY: GEORGIA CIVIL, INC. ADDRESS: P.O. BOX 886 MADISON, GA 30650 PHONE: 706.342.1104

georgia civil
CIVIL ENGINEERING
LANDSCAPE ARCHITECTURE
LAND SURVEYING
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P.O. Box 896 | Madison, GA 30650
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GEOP
Preliminary
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W.P. BROWN
Project Information

WHEELER PARK
1400 SE PARKER RD
CONYERS, GA 30094
ZONING: I-D

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Sheet 1 of 1
COVER SHEET
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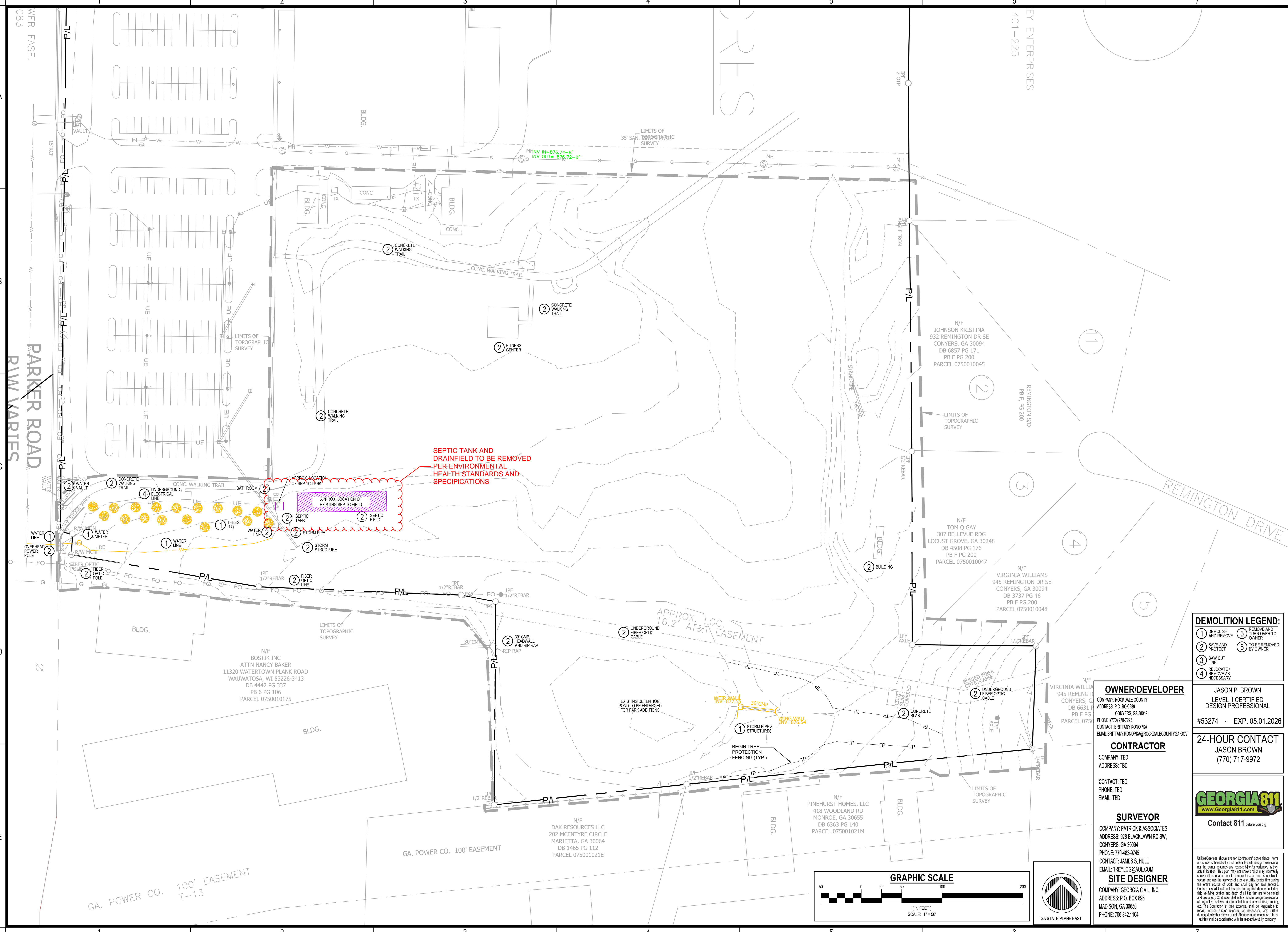
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Project Information

WHEELER PARK
1400 SE PARKER RD
CONYERS, GA 30094
ZONING: I-D



DEMOLITION LEGEND:

1 DEMOLISH AND REMOVE	5 REMOVE AND TURN OVER TO OWNER
2 SAVE AND PROTECT	6 TO BE REMOVED BY OWNER
3 SAW CUT LINE	
4 RELOCATE/REMOVE AS NECESSARY	

OWNER/DEVELOPER
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#53274 - EXP. 05.01.2026

CONTRACTOR
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ADDRESS: TBD

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(770) 717-9972
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EMAIL: TREYLOG@AOL.COM



Contact 811 before you dig

SITE DESIGNER
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ADDRESS: P.O. BOX 896
MADISON, GA 30650
PHONE: 706.342.1104

Utilities shown are for Contractor's convenience. Items are shown schematically and neither the site design professional nor the owner assumes any responsibility for variations in their actual location. This plan may not show and/or may inaccurately show utilities located on site. Contractor shall be responsible to secure and use the services of a private utility locator firm during the entire course of work and shall pay for said services. Contractor shall locate utilities prior to any disturbance. Excavate, field verifying location and depth of utilities that are to be saved and protecting Contractor shall verify the site design professional of any utility conflicts prior to installation of new utilities, grading, etc. The Contractor, at their expense, shall be responsible to repair, replace and/or relocate, as necessary, any utilities damaged, whether storm or not. Abandonment, relocation, etc. of utilities shall be coordinated with the respective utility company.

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Sheet Title

DEMOLITION & REMOVAL PLAN

Sheet Number

C-2.0



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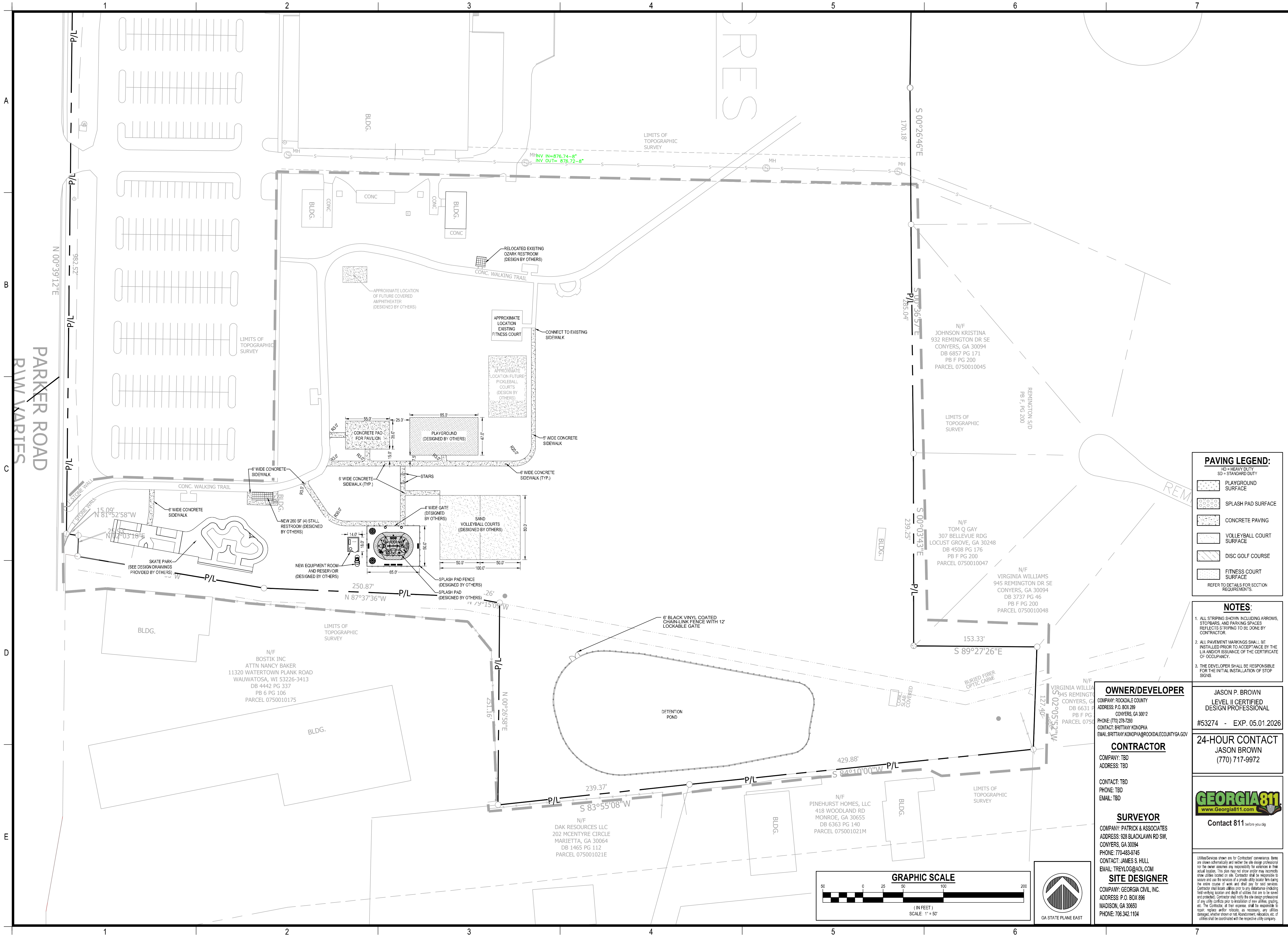
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Project Information

WHEELER PARK
1400 SE PARKER RD
CONYERS, GA 30094
ZONING: I-D



PAVING LEGEND:

- SP - STANDARD DUTY
- SP - HEAVY DUTY
- PLAYGROUND SURFACE
- SPLASH PAD SURFACE
- CONCRETE PAVING
- VOLLEYBALL COURT SURFACE
- DISC GOLF COURSE
- FITNESS COURT SURFACE

REFER TO DETAILS FOR SECTION REQUIREMENTS.

- NOTES:**
- ALL STRIPING SHOWN, INCLUDING ARROWS, STOPBARS, AND PARKING SPACES REFLECTS STRIPING TO BE DONE BY CONTRACTOR.
 - ALL PAVEMENT MARKINGS SHALL BE INSTALLED PRIOR TO ACCEPTANCE BY THE LIA AND/OR ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.
 - THE DEVELOPER SHALL BE RESPONSIBLE FOR THE INITIAL INSTALLATION OF STOP SIGNS.

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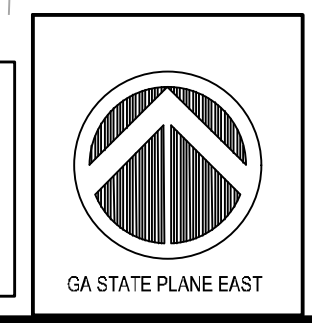
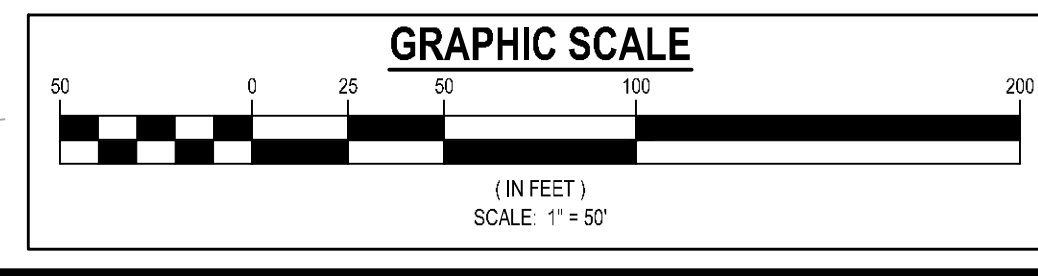
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LAYOUT & STAKING PLAN
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LAND SURVEYING

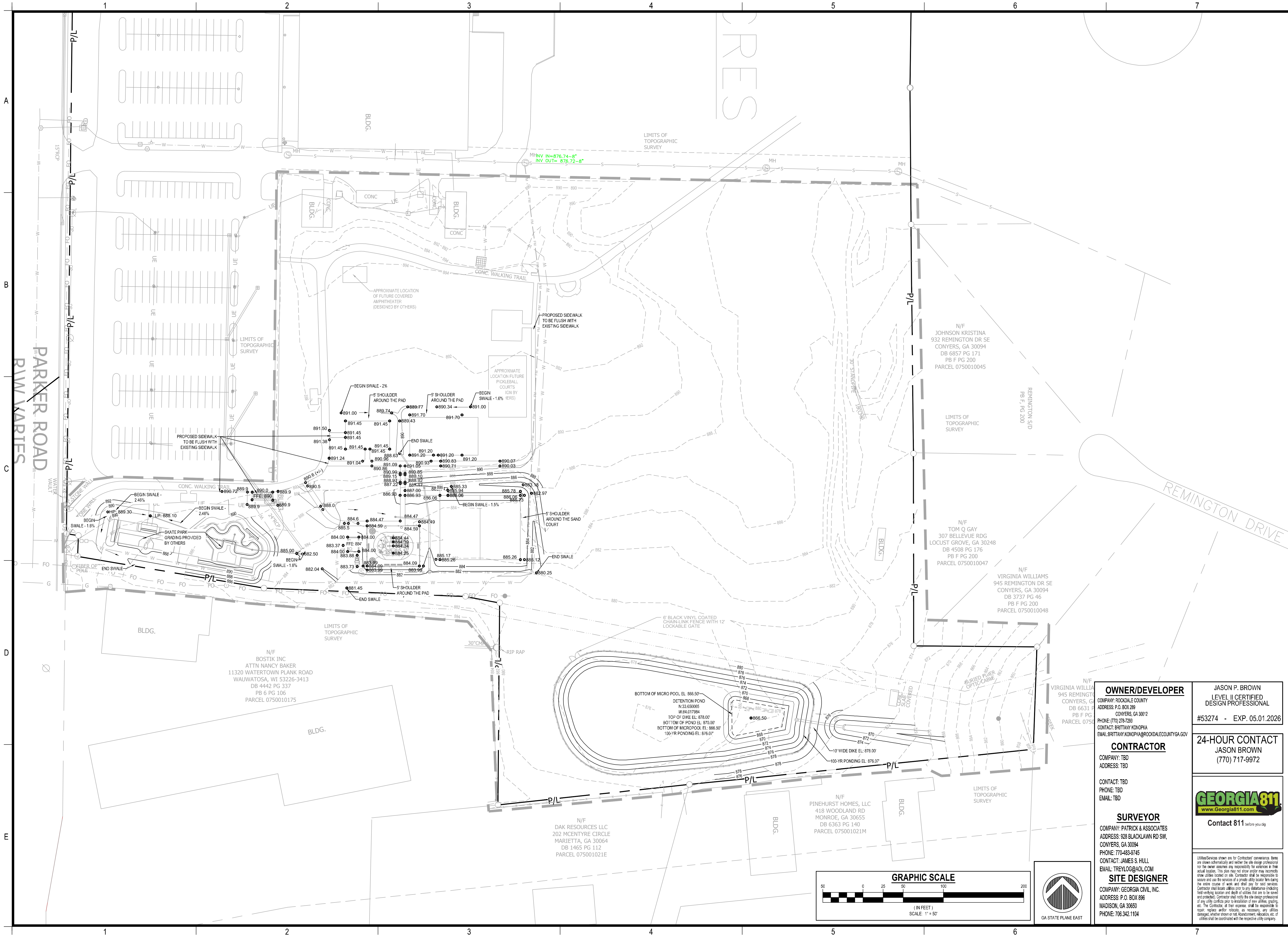
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Project Information

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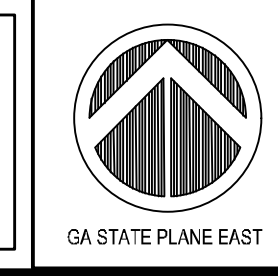
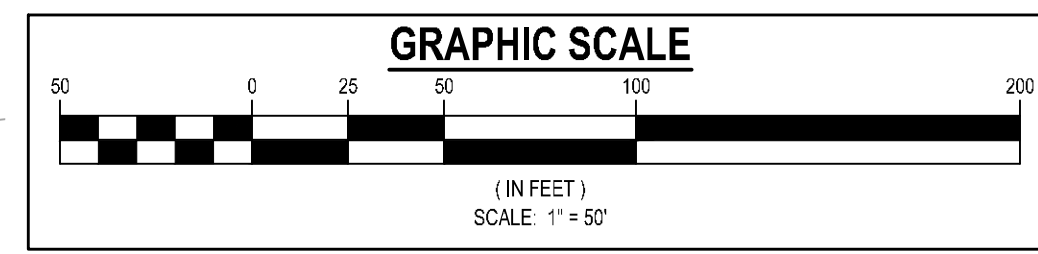
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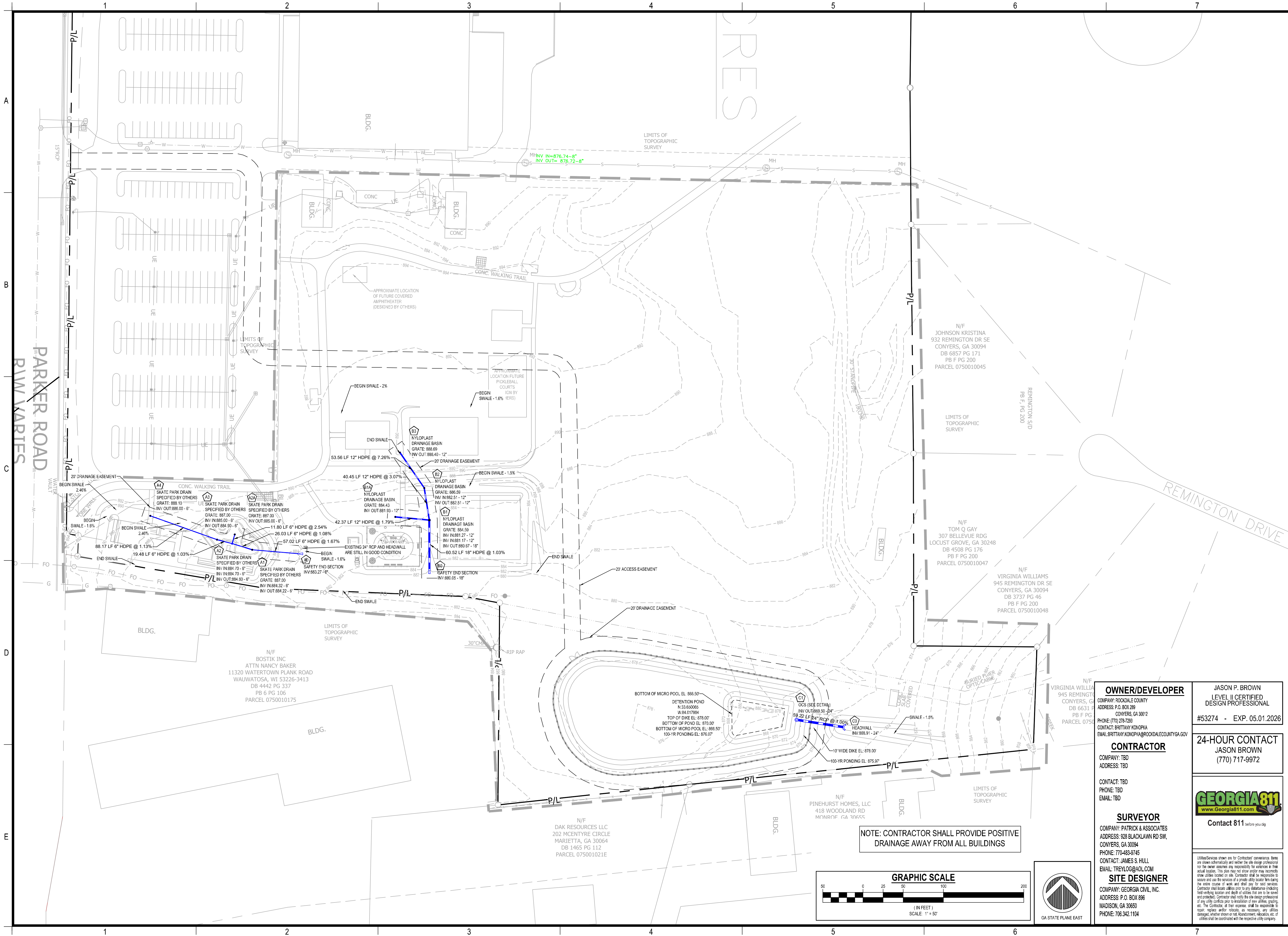


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GRADING PLAN

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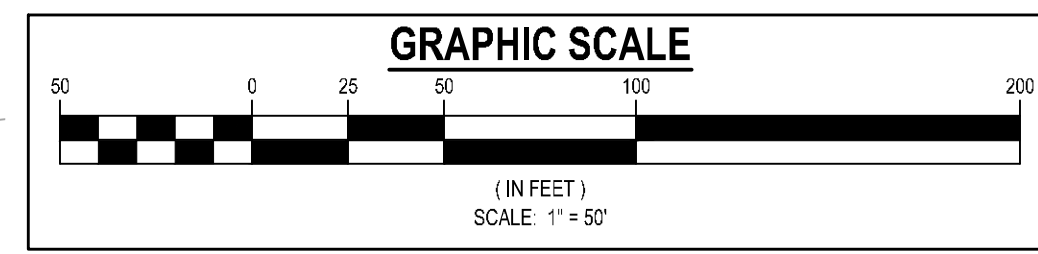


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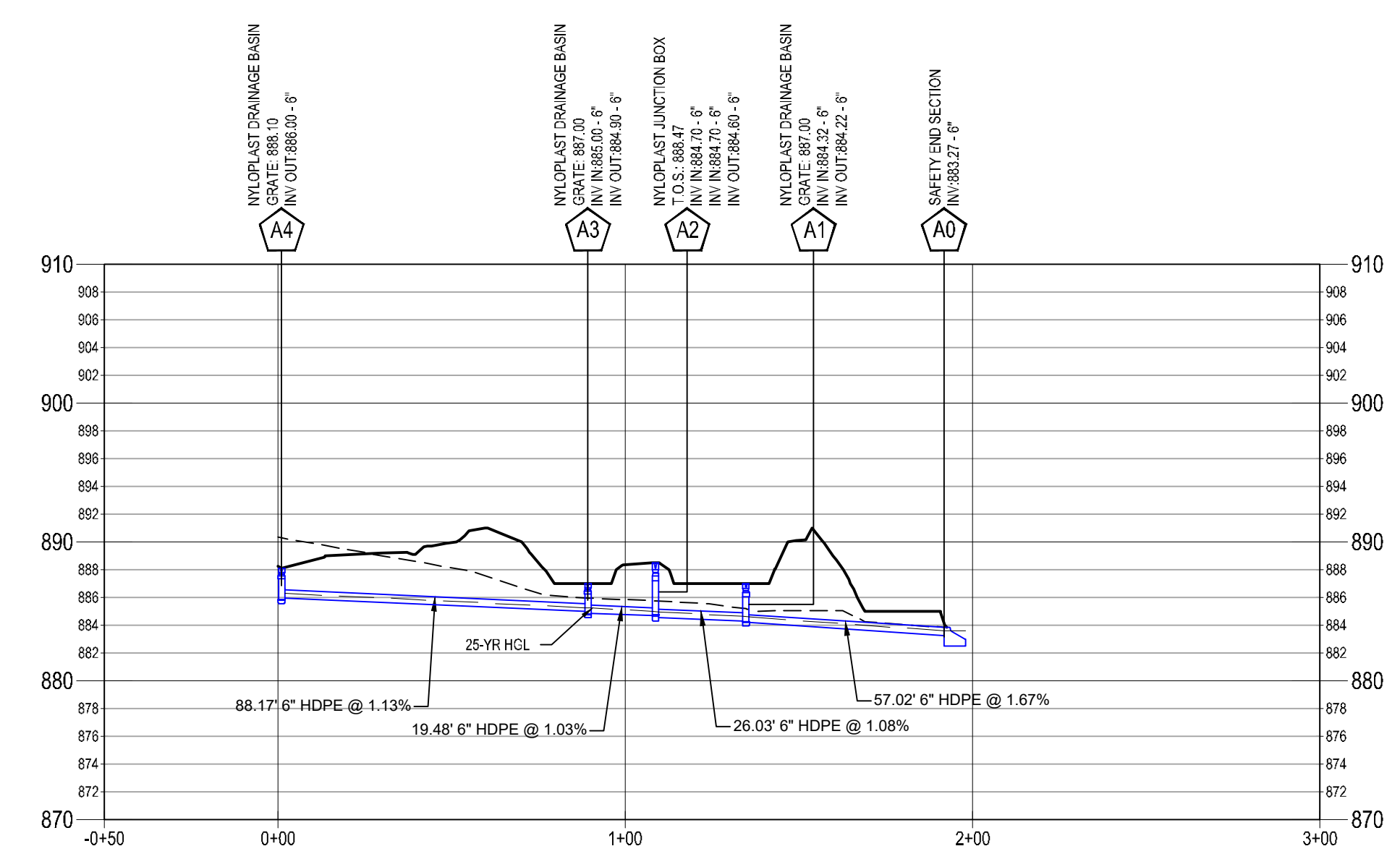
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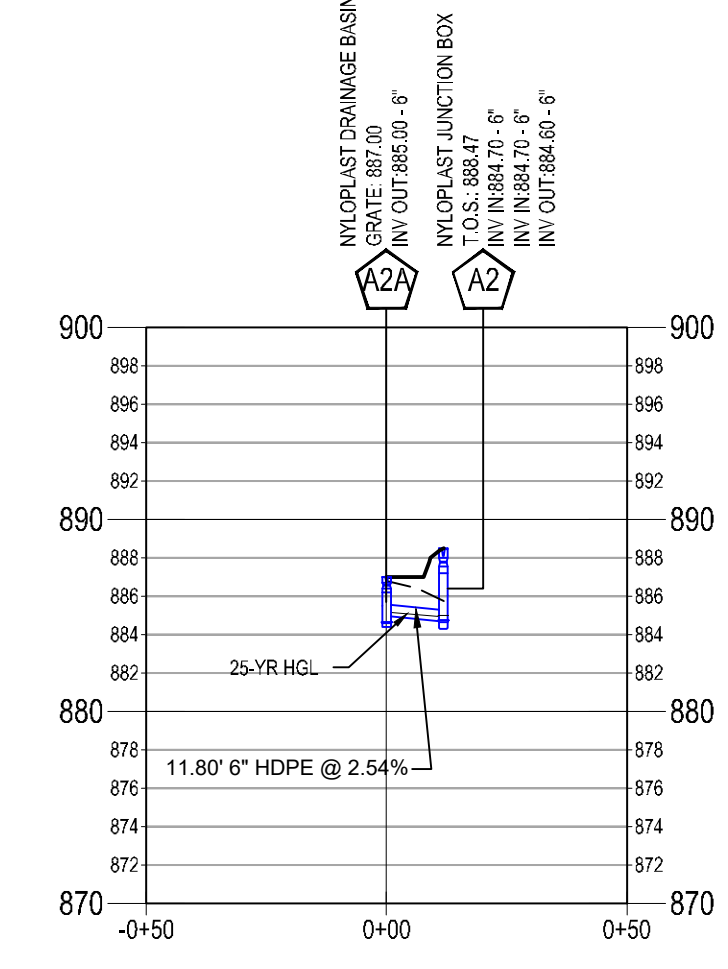
NOTE: CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE FLOW FROM ALL BUILDINGS

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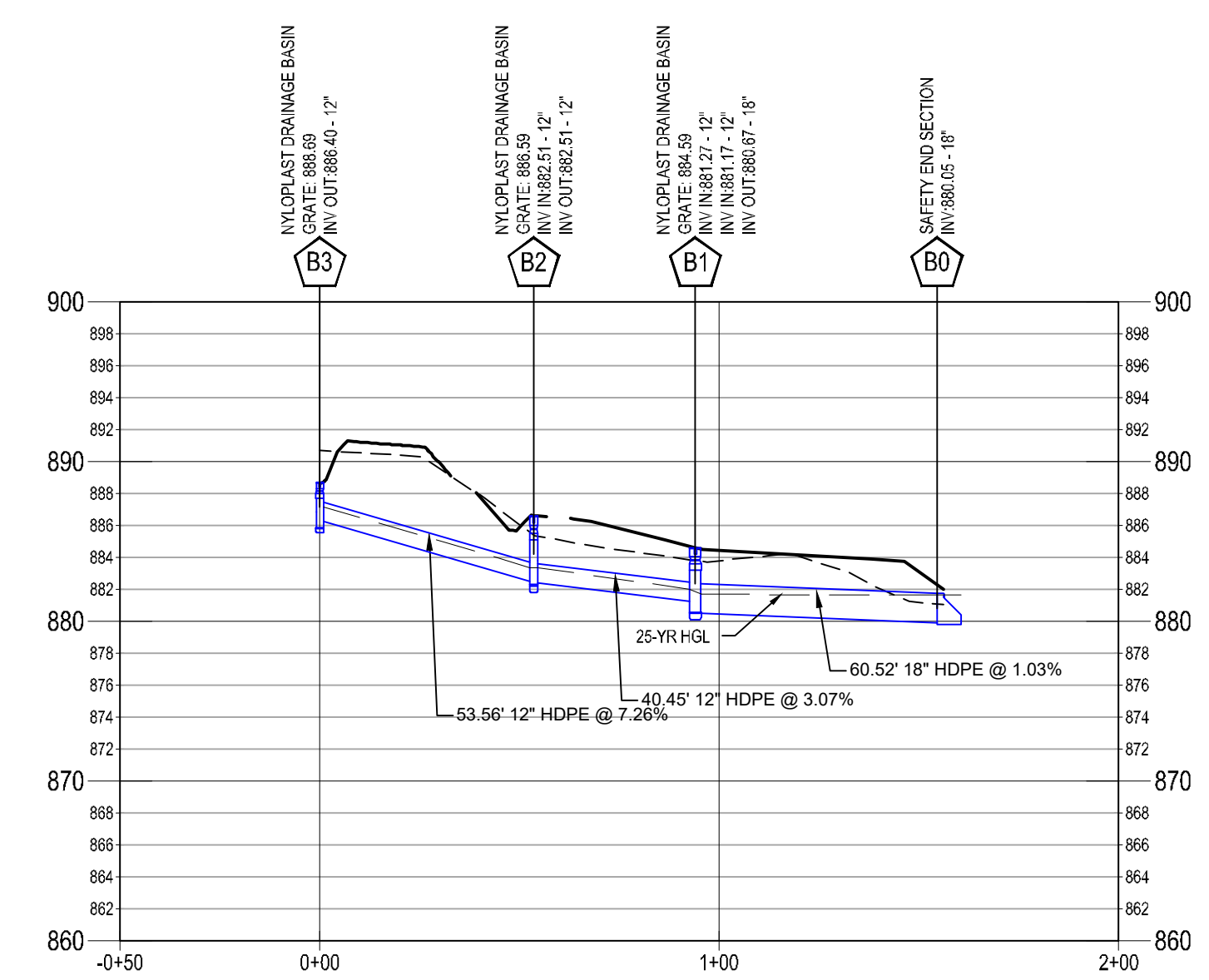
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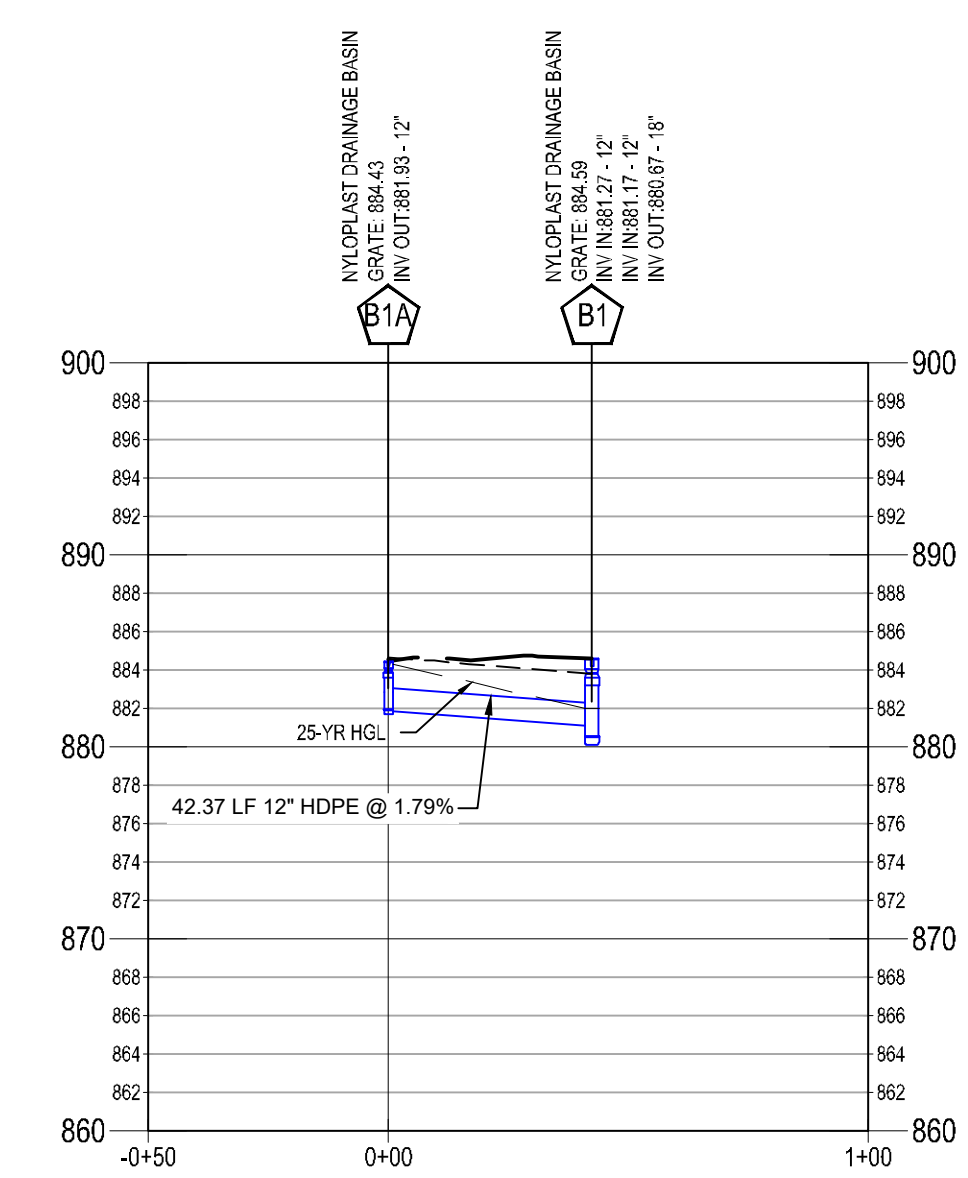
A5-A0 PROFILE
 HORIZONTAL SCALE: 1" = 40'
 VERTICAL SCALE: 1" = 10'



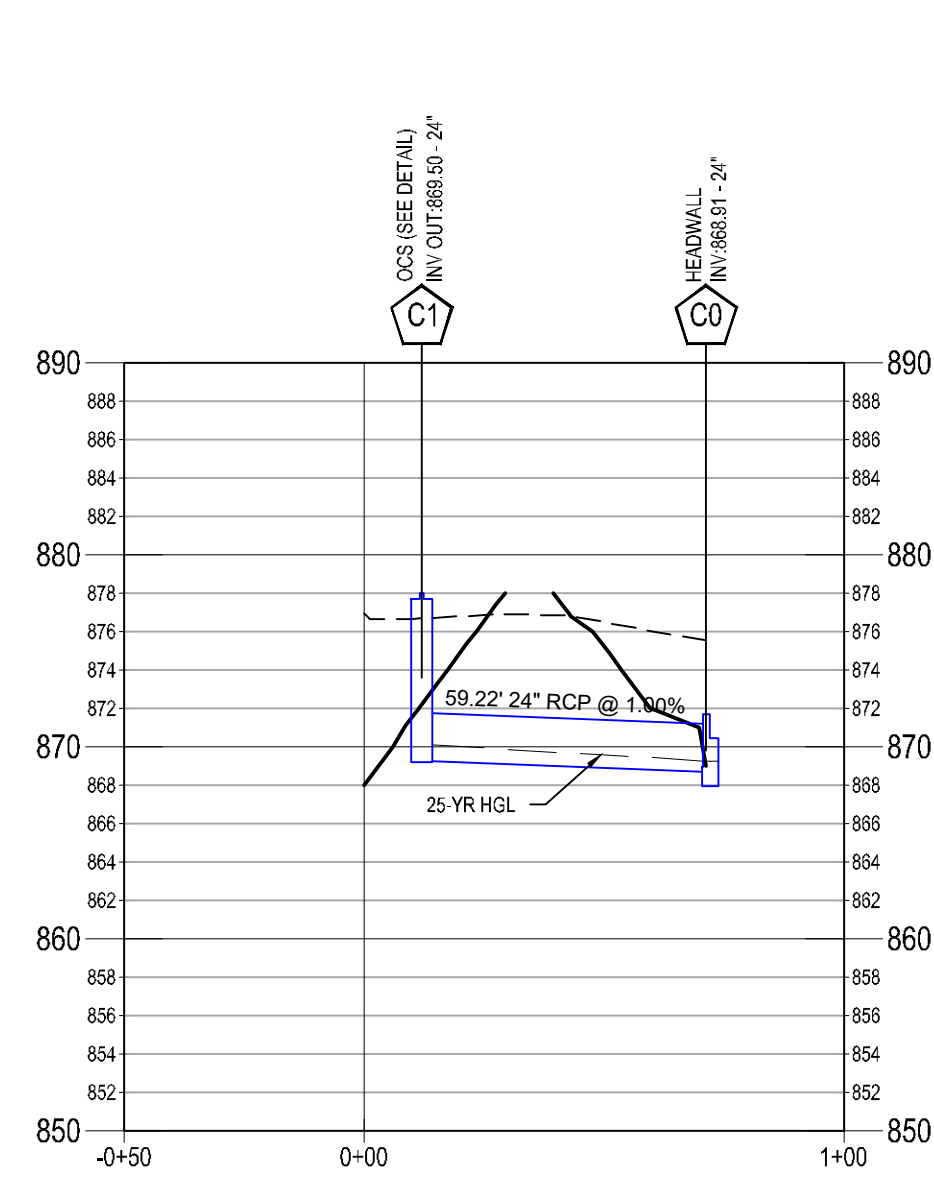
A2A-A2 PROFILE
 HORIZONTAL SCALE: 1" = 40'
 VERTICAL SCALE: 1" = 10'



B4-B0 PROFILE
 HORIZONTAL SCALE: 1" = 40'
 VERTICAL SCALE: 1" = 10'



B1A-B1 PROFILE
 HORIZONTAL SCALE: 1" = 40'
 VERTICAL SCALE: 1" = 10'



C1-C0 PROFILE
 HORIZONTAL SCALE: 1" = 40'
 VERTICAL SCALE: 1" = 10'

PROFILE LEGEND:

- PROPOSED GRADE
- EXISTING GRADE
- HYDRAULIC GRADE LINE

SCALE:
 VER: 1"=40' HOR: 1"=10'

A SYSTEM 25 YEAR STORM CHART																						
Line ID	Line Length (ft)	Incr. Area (ac)	Total Area (ac)	Runoff Coeff. (C)	Incr C x A	Total C x A	Inlet Time (min)	Time Conc (min)	Rnfallnt (in/hr)	Total Runoff (cfs)	AdnlFlow (cfs)	TotalFlow (cfs)	CapacFull (cfs)	Veloc (ft/s)	Pipe Size (in)	Pipe Slope (%)	Inv ElevDn (ft)	Inv ElevUp (ft)	HGLDn (ft)	HGLUp (ft)	Gnd/RimDn (ft)	Gnd/RimUp (ft)
A1-A0	57.831	0.01	0.16	0.9	0.01	0.06	5	6.3	8.5	0.51	0	0.51	0.78	3.77	6	1.64	883.27	884.22	883.56	884.58	884.31	887
A2-A1	26.025	0	0.15	0	0	0.05	0	6.1	8.6	0.43	0	0.43	0.63	3.28	6	1.08	884.32	884.6	884.63	884.94	887	888.47
A3-A2	19.482	0.01	0.14	0.9	0.01	0.04	5	6	8.7	0.36	0	0.36	0.62	3.07	6	1.03	884.7	884.9	884.98	885.2	888.47	887
A4-A3	88.172	0.13	0.13	0.25	0.03	0.03	5	5	9.2	0.3	0	0.3	0.65	2.96	6	1.13	885	886	885.24	886.28	887	888.1
A2A-A2	11.804	0.01	0.01	0.9	0.01	0.01	5	5	9.2	0.08	0	0.08	0.97	1.36	6	2.54	884.7	885	884.94	885.14	888.47	887

B SYSTEM 25 YEAR STORM CHART																						
Line ID	Line Length (ft)	Incr. Area (ac)	Total Area (ac)	Runoff Coeff. (C)	Incr C x A	Total C x A	Inlet Time (min)	Time Conc (min)	Rnfallnt (in/hr)	Total Runoff (cfs)	AdnlFlow (cfs)	TotalFlow (cfs)	CapacFull (cfs)	Veloc (ft/s)	Pipe Size (in)	Pipe Slope (%)	Inv ElevDn (ft)	Inv ElevUp (ft)	HGLDn (ft)	HGLUp (ft)	Gnd/RimDn (ft)	Gnd/RimUp (ft)
B2-B1	59.448	0.07	1.8	0.5	0.04	0.55	5	6.5	8.4	4.59	0	4.59	11.43	3.15	18	1.01	880.07	880.67	881.64	881.66	882.25	884.09
B3-B2	40.455	0.26	1.47	0.5	0.13	0.43	5	5.3	9.1	3.93	0	3.93	6.75	6.08	12	3.07	881.27	882.51	881.98	883.35	884.09	886.57
B4-B3	53.561	1.21	1.21	0.25	0.3	0.3	5	5	9.2	2.79	0	2.79	10.4	4.3	12	7.26	882.51	886.4	883.35	887.12	886.57	888.69
A2A-B1	82.567	0.26	0.26	0.3	0.08	0.08	5	5	9.2	0.72	0	0.72	6.49	2.71	12	2.83	881.59	883.93	881.98	884.28	884.09	886.43

C SYSTEM 25 YEAR STORM CHART																						
Line ID	Line Length (ft)	Incr. Area (ac)	Total Area (ac)	Runoff Coeff. (C)	Incr C x A	Total C x A	Inlet Time (min)	Time Conc (min)	Rnfallnt (in/hr)	Total Runoff (cfs)	AdnlFlow (cfs)	TotalFlow (cfs)	CapacFull (cfs)	Veloc (ft/s)	Pipe Size (in)	Pipe Slope (%)	Inv ElevDn (ft)	Inv ElevUp (ft)	HGLDn (ft)	HGLUp (ft)	Gnd/RimDn (ft)	Gnd/RimUp (ft)
C1-C0	71.295	0	0	0	0	0	0	0	0	2.82	2.82	24.45	4.42	4.42	24	1	868.79	869.5	869.25	870.09	872.62	872.25

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CONTRACTOR
 COMPANY: TBD
 ADDRESS: TBD

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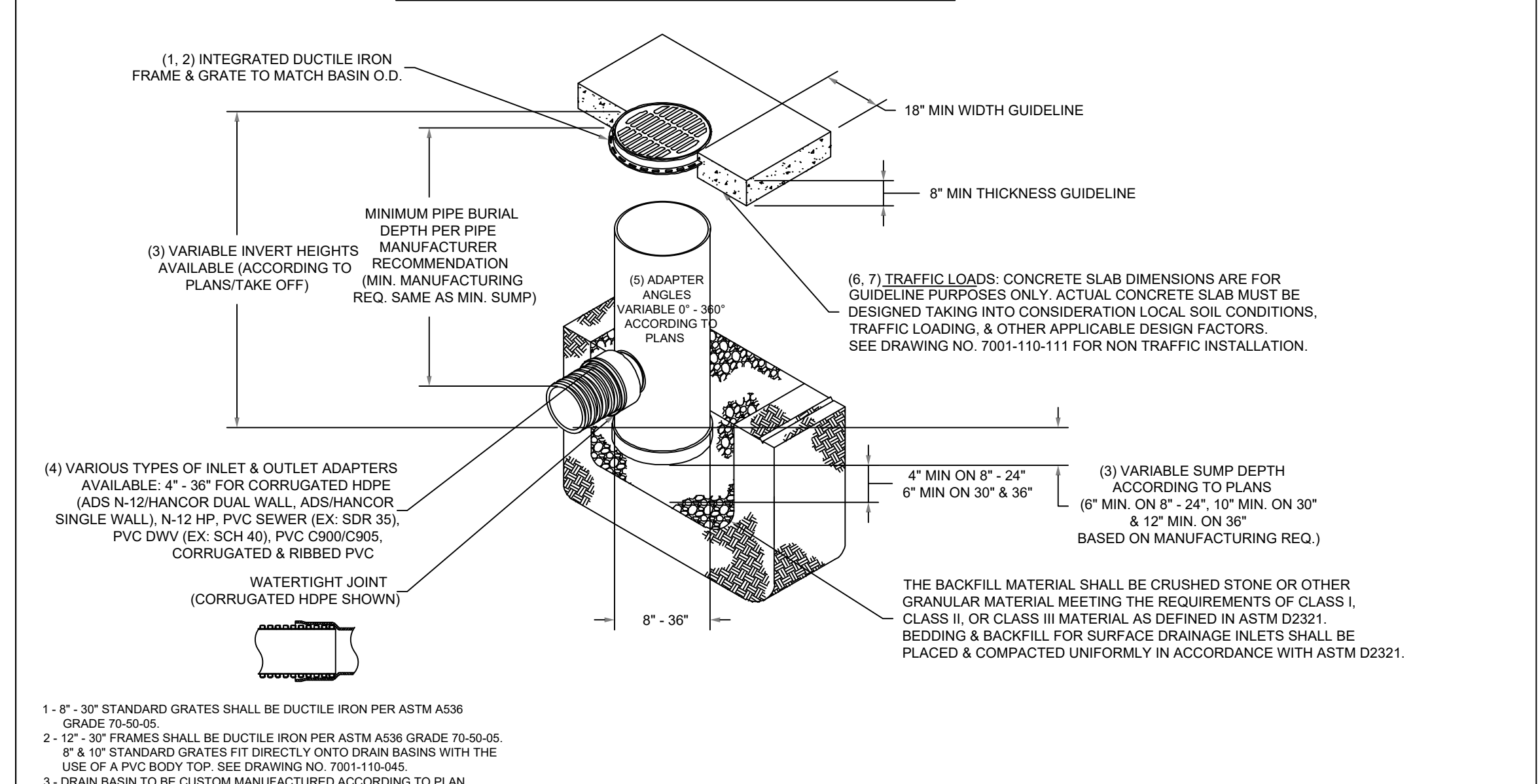
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Sheet Title
STORMWATER MANAGEMENT PROFILE

Sheet Number
C-4.1

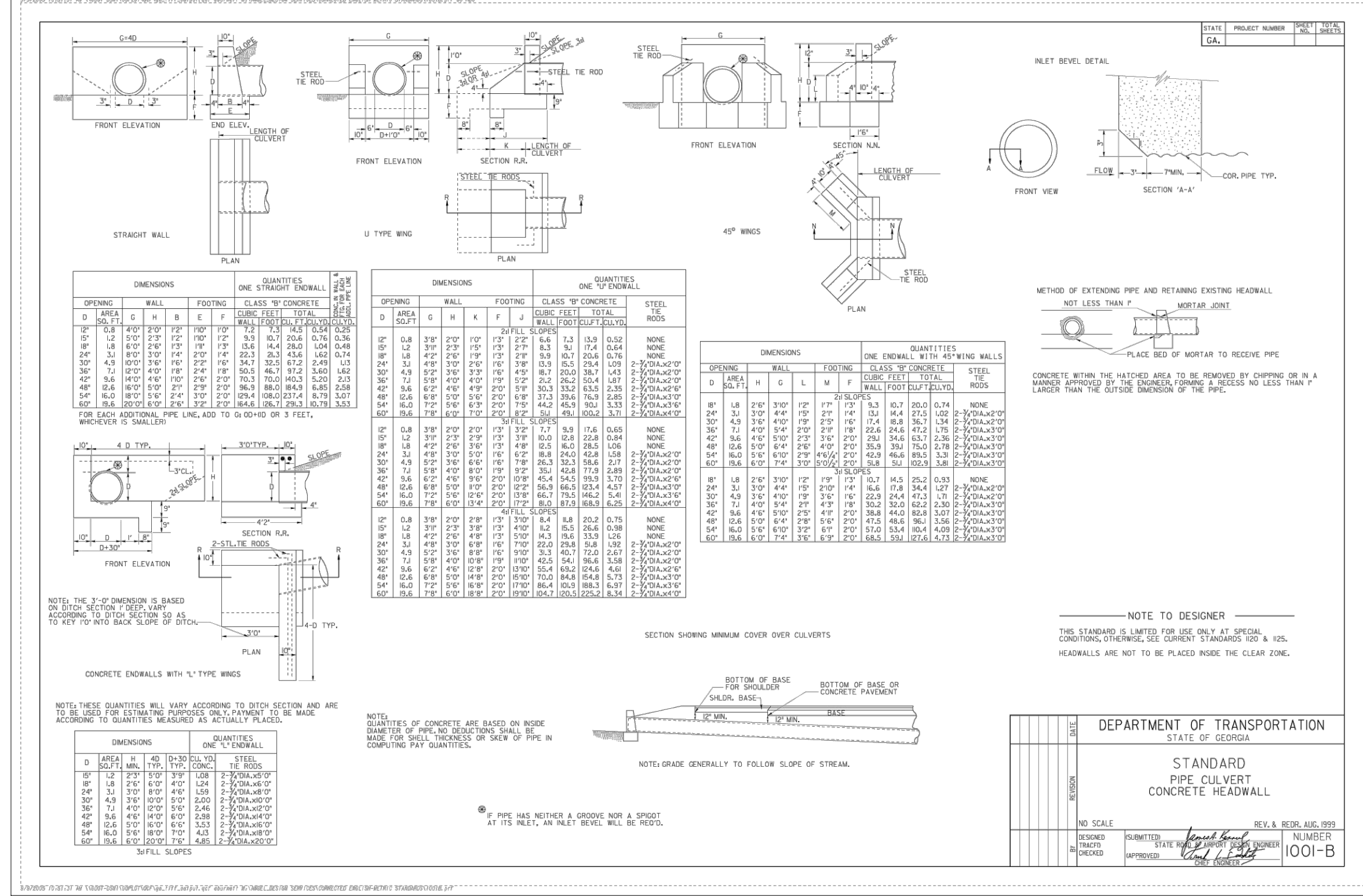
NYLOPLAST DRAIN BASIN WITH STANDARD GRATE



1. 8" - 30" STANDARD GRATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
 2. 12" - 30" FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
 8" x 30" STANDARD GRATES FIT DIRECTLY ONTO DRAIN BASINS WITH THE USE OF A PVC BODY TOP. SEE DRAWING NO. 7001-110-045.
 3. DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 14" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-065.
 4. DRAINAGE CONNECTION SUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12 HANCOR DUAL WALL, N-12 HP & PVC SEWER (EX. SDR 35), PVC DWV (EX. SCH 40), PVC C900/C905, CORRUGATED & RIBBED PVC.
 5. ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360° TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.
 6. 12" - 30" STANDARD GRATES SHALL MEET H-20 LOAD RATING.
 7. 8" - 30" STANDARD GRATES ARE RATED FOR LIGHT DUTY APPLICATIONS ONLY; NO CONCRETE COLLAR NEEDED FOR LIGHT DUTY RATING.

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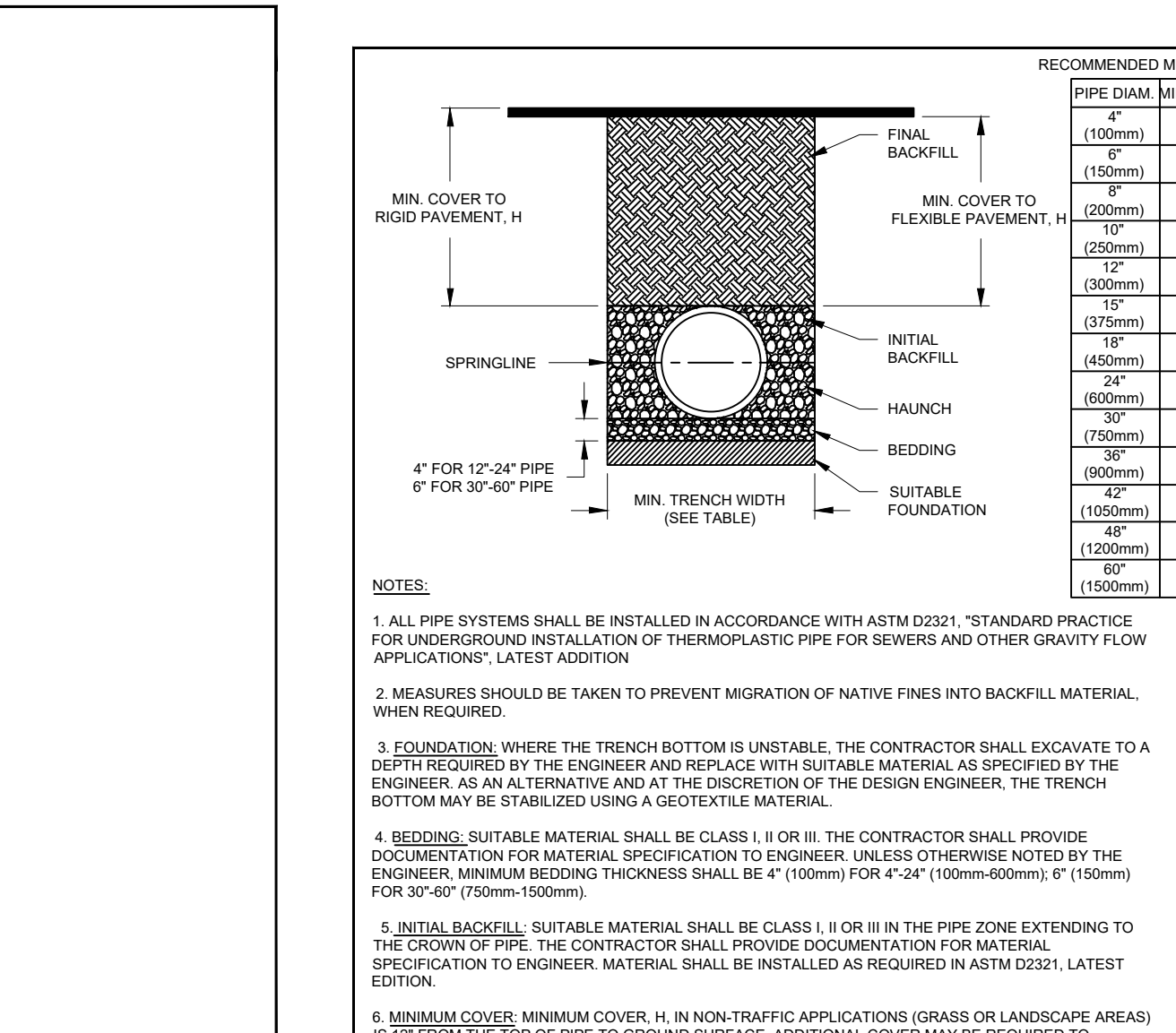
DRAWN BY EBC	MATERIAL	3130 VERONA AVE BUD OGDON, GA 30018 PHN (770) 832-2443 FAX (770) 832-2490 www.nyloplast-usa.com
DATE 1-23-06	PROJECT NO. NAME	Nyloplast
REVISED BY NHM	TITLE	DRAIN BASIN WITH STANDARD GRATE
DATE 06-12-19	QUICK SPEC INSTALLATION DETAIL	
A SCALE 1:40	SHEET 1 OF 1	DWG NO. 7001-110-144 REV J



DIMENSIONS		QUANTITIES	
ONE' STANDARD	ONE' NON-STANDARD	ONE' STANDARD	ONE' NON-STANDARD
OPENING	WALL	FOOTING	CLASS 'II' CONCRETE
D	H	D	H
12"	12"	12"	12"
18"	18"	18"	18"
24"	24"	24"	24"
30"	30"	30"	30"
36"	36"	36"	36"
42"	42"	42"	42"
48"	48"	48"	48"
54"	54"	54"	54"
60"	60"	60"	60"

CLASSES OF EMBEDMENT AND BACKFILL MATERIALS

CLASS	DESCRIPTION	MINIMUM COVER	MINIMUM TRENCH WIDTH	APPLICATIONS				REMARKS
				TYPE	DEPTH	WIDTH	LENGTH	
1	GRAVEL	12"	36"	✓	✓	✓	✓	STANDARD
2	SAND	12"	36"	✓	✓	✓	✓	STANDARD
3	CLAY	12"	36"	✗	✗	✗	✗	NOT PERMITTED



RECOMMENDED MINIMUM TRENCH WIDTHS

PIPE DIA.	MIN. TRENCH WIDTH
12"	24"
18"	30"
24"	36"
30"	42"
36"	48"
42"	54"
48"	60"
54"	66"
60"	72"

MINIMUM RECOMMENDED COVER BASED ON VEHICLE LOADING CONDITIONS*

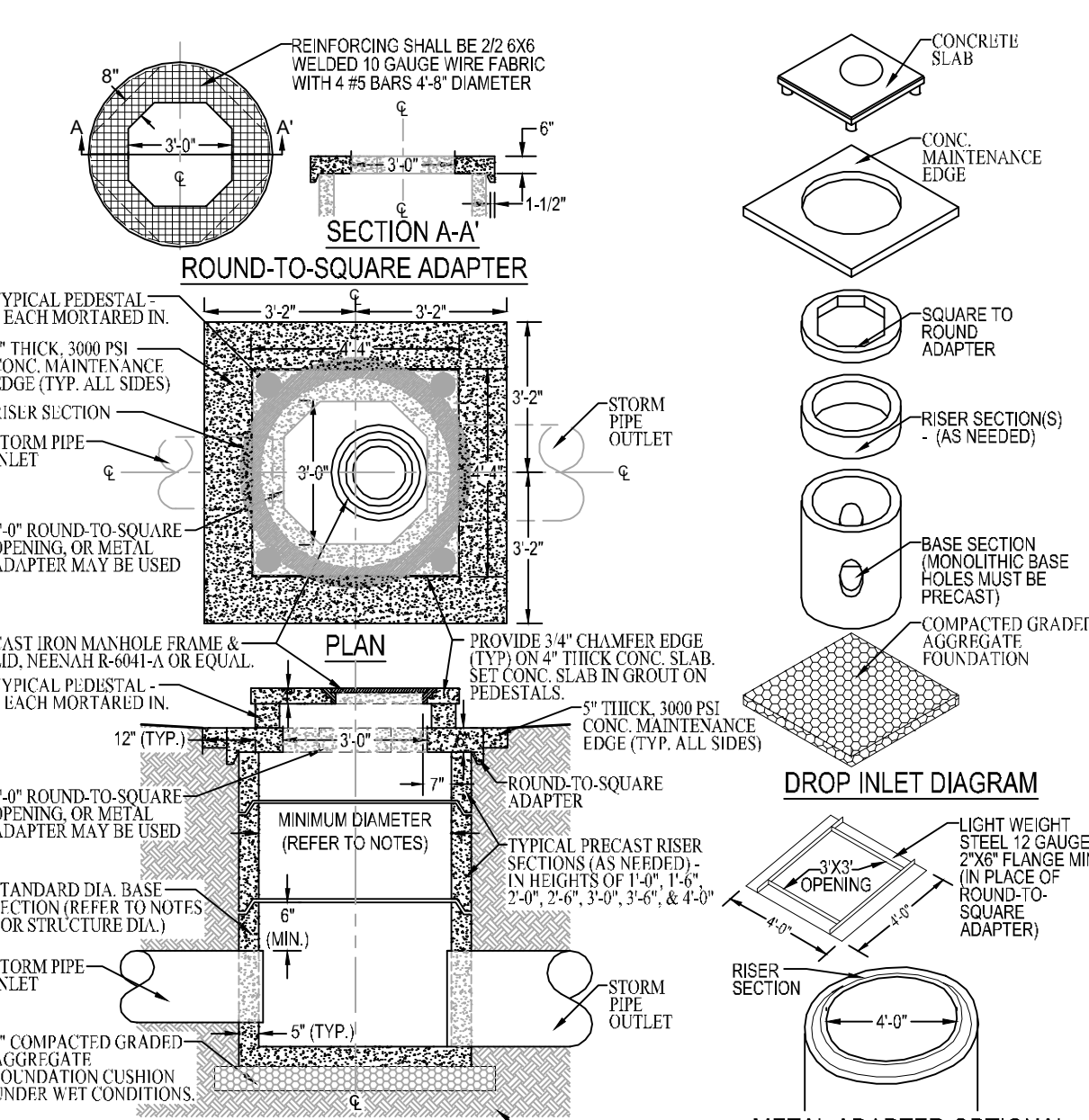
PIPE DIA.	SURFACE LIVE LOADING CONDITION		
	H-20	HEAVY CONSTRUCTION	STREET
12"	12"	12"	12"
18"	18"	18"	18"
24"	24"	24"	24"
30"	30"	30"	30"
36"	36"	36"	36"
42"	42"	42"	42"
48"	48"	48"	48"
54"	54"	54"	54"
60"	60"	60"	60"

*VEHICLES IN EXCESS OF 75T MAY REQUIRE ADDITIONAL COVER. **SEE BACKFILL REQUIREMENTS IN NOTE 6.

MAXIMUM RECOMMENDED COVER BASED ON VEHICLE LOADING CONDITIONS*

PIPE DIA.	CLASS I			CLASS II			CLASS III		
	90%	95%	99%	90%	95%	99%	90%	95%	99%
4"	3"	4"	5"	3"	4"	5"	3"	4"	5"
6"	4"	5"	6"	4"	5"	6"	4"	5"	6"
8"	5"	6"	7"	5"	6"	7"	5"	6"	7"
10"	6"	7"	8"	6"	7"	8"	6"	7"	8"
12"	7"	8"	9"	7"	8"	9"	7"	8"	9"
15"	9"	10"	11"	9"	10"	11"	9"	10"	11"
18"	11"	12"	13"	11"	12"	13"	11"	12"	13"
24"	15"	16"	17"	15"	16"	17"	15"	16"	17"
30"	20"	21"	22"	20"	21"	22"	20"	21"	22"
36"	25"	26"	27"	25"	26"	27"	25"	26"	27"
42"	30"	31"	32"	30"	31"	32"	30"	31"	32"
48"	35"	36"	37"	35"	36"	37"	35"	36"	37"
54"	40"	41"	42"	40"	41"	42"	40"	41"	42"
60"	45"	46"	47"	45"	46"	47"	45"	46"	47"

FILL HEIGHT TABLE GENERATED USING AASHTO SECTION 12.2, LOAD RESISTANCE FACTOR DESIGN (LRFD) PROCEDURE WITH THE FOLLOWING ASSUMPTIONS:
 NO HYDROSTATIC PRESSURE
 UNIT WEIGHT OF SOIL $\gamma = 120$ PCF



NOTES:
 1. CONTRACTOR SHALL PROVIDE DRAINAGE STRUCTURE DEEPER THAN 4\"/>

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SITE DESIGNER
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STORMWATER MANAGEMENT DETAILS

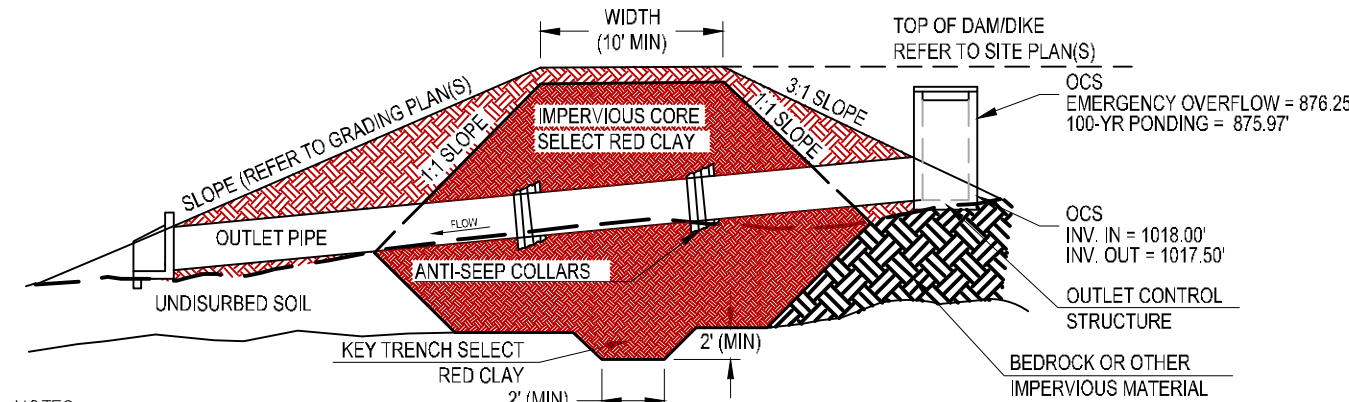
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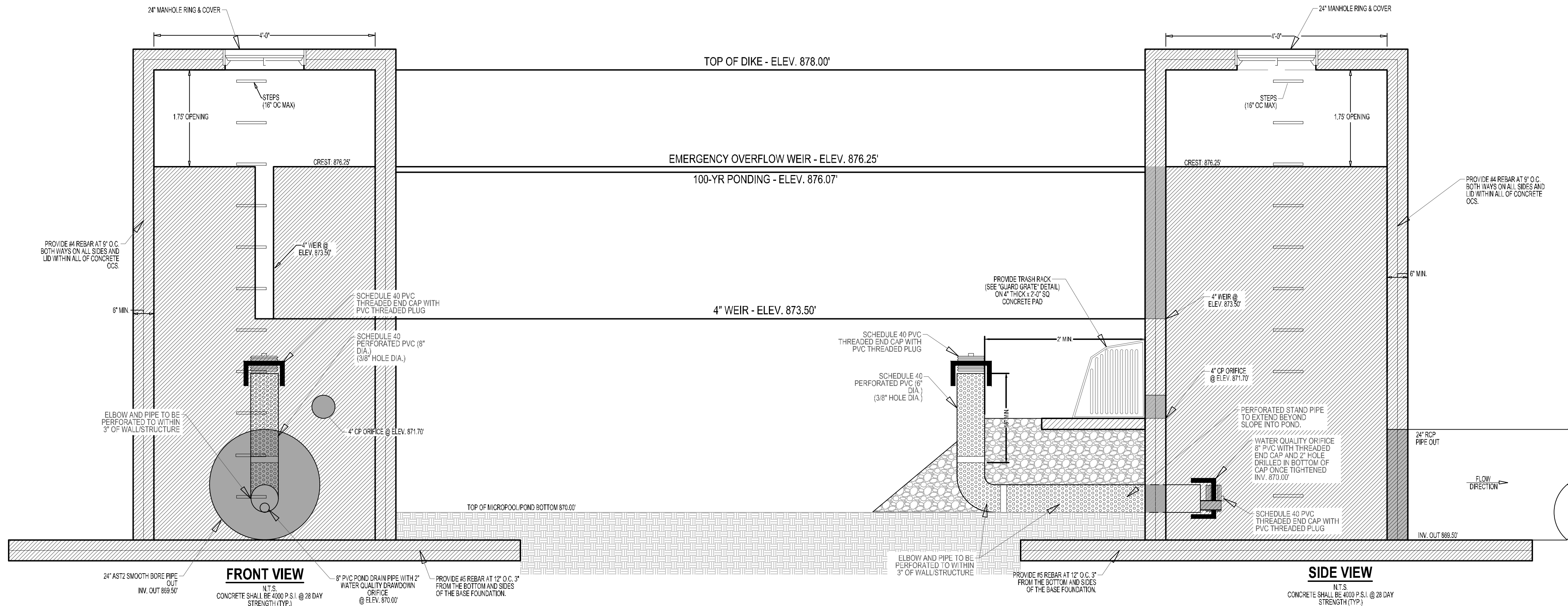
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DETENTION BASIN DAM/DIKE



- NOTES:
1. ALL FILL MATERIAL FOR DAM/DIKE SHALL BE COMPACTED TO 98% MAXIMUM DENSITY AS DETERMINED BY STANDARD PROCTOR TEST.
 2. SELECT CORE MATERIAL SHALL BE OBTAINED FROM ON-SITE SOURCE AS IDENTIFIED AND DIRECTED BY GEOTECHNICAL ENGINEER.
 3. ANTI-SEEP COLLARS/BRICK COLLAR WALLS SHALL BE INSTALLED AT ALL PIPE JOINTS WITHIN LIMITS OF DAM/DIKE.

OCS DETAIL



ROUND OUTLET CONTROL STRUCTURE

PRECAST OUTLET CONTROL STRUCTURE BOX SHALL EXTEND A MINIMUM OF 6" LOWER THAN THE LOWEST INVERT. PRECAST STRUCTURE SHALL BE OPEN IN THE BOTTOM WHEN DELIVERED TO SITE, AND SHALL BE SET INTO CONCRETE WHEN BASE FOUNDATION IS POURED IN PLACE. SIX INCHES BELOW THE LOWEST INVERT, #5 REBAR SHALL EXTEND THROUGH DRILLED HOLES, ONE FOOT ON CENTER, ON ALL FOUR SIDES. CONTINUOUS SECTIONS OF #5 REBAR SHALL EXTEND THROUGH THE HOLES FORM ONE SIDE OF THE STRUCTURE, ACROSS THE INSIDE OF THE STRUCTURE AND THROUGH THE MATCHING HOLE ON THE OTHER SIDE OF THE STRUCTURE. THE REBAR SHALL EXTEND A MINIMUM OF 10" BEYOND EACH OUTSIDE FACE OF THE STRUCTURE AND BE WIRED TO THE REBAR SET IN THE CONCRETE BASE FOUNDATION. CONCRETE SHALL BE POURED AND FINISHED UP TO THE ELEVATION OF THE LOWEST INVERT ON THE INSIDE AND OUTSIDE OF THE OUTLET CONTROL STRUCTURE.

CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW & APPROVAL PRIOR TO FABRICATION

Buoyancy Calculations For OCS:
 HEIGHT OF OCS= 9 FT
 TOP OF STRUCTURE (EMER. OVRFLW) = 876.25'
 BOTTOM OF MANHOLE= 869.50'
 100YR STAGE= 875.97'
 DEPTH OF WATER TOP-BOTTOM= 6.47 FT
 VOLUME WATER DISPLACED= (4)(3.14)(6.47)= 81.26 CF
 Fb displaced water:
 Fb dw= (62.4 lb/cf) * 81.26 cf = 5,070.62 lbs
 Concrete Volume of Manhole With 6" Walls=
 (5)(3.14)(6.47) - (4)(3.14)(6.47)= 20.32 cf
 Specific weight concrete= 150 lb/cf
 Weight of Manhole= 20.32*150 lb/cf = 3,048 lbs
 Required weight of concrete footing and manhole=
 = 5,070.62 lbs
 Required Weight of Footing= 5,070.62 - 3,048 = 2,022.62 lbs
 Volume Req= 2,022.62/150= 12.48 cf
Dimensions of footing= 5' X 5' X 1.00'= 25 cf

- OCS SHALL BE CONSTRUCTED ON COMPACTED SUBGRADE. MIN. 4" OF STONE (SUBMIT SAMPLES AND 2" COMPACTED TO 98% STANDARD PROCTOR BELOW COMPACTION BELOW SHALL BE APPROVED BY ON-SITE GEOTECHNICAL ENGINEER.
- ALL PIPE SIZES & LENGTHS ARE CALCULATED FROM CENTER OF STRUCTURE TO CENTER OF STORM STRUCTURE.
- CONCRETE SHALL BE 4000 P.S.I. @ 28 DAY STRENGTH (TYP).
- NOTES:
1. STONE FILLER SHALL BE AS STONE.
 2. ALL CONCRETE TO BE 6" THICKNESS.
 3. OCS MANHOLE SHALL BE REFERRED TO PROVIDE DIRECT ACCESS TO STRUCTURE ACCESS STEPS.
 4. THE OCS INVERT SHALL BE PLACED IN THE STRUCTURE WALL.

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SURVEYOR COMPANY: PATRICK & ASSOCIATES ADDRESS: 828 BLACKLAWN RD SW, CONYERS, GA 30094 PHONE: 770-483-9745 CONTACT: JAMES S. HULL EMAIL: TREY.LOG@AOL.COM	GEORGIA811 www.Georgia811.com Contact 811 before you dig
SITE DESIGNER COMPANY: GEORGIA CIVIL, INC. ADDRESS: P.O. BOX 896 MADISON, GA 30650 PHONE: 706.342.1104	Unless/Services shown are for Contractor's convenience, items are shown schematically and neither the site design professional nor the owner assumes any responsibility for variations in their actual location. This plan may not show and/or may incorrectly show utilities located on site. Contractor shall be responsible to locate and use the services of a private utility locator firm during the entire course of work and shall pay for said services. Contractor shall locate utilities prior to any excavation (including field verifying location and depth of utilities that are to be served and protected). Contractor shall notify the site design professional of any utility conflicts prior to installation of new utilities, grading, etc. The Contractor, at their expense, shall be responsible to repair, replace and/or relocate, as necessary, any utilities damaged, whether shown or not. Abandonment, relocation, etc., of utilities shall be coordinated with the respective utility company.

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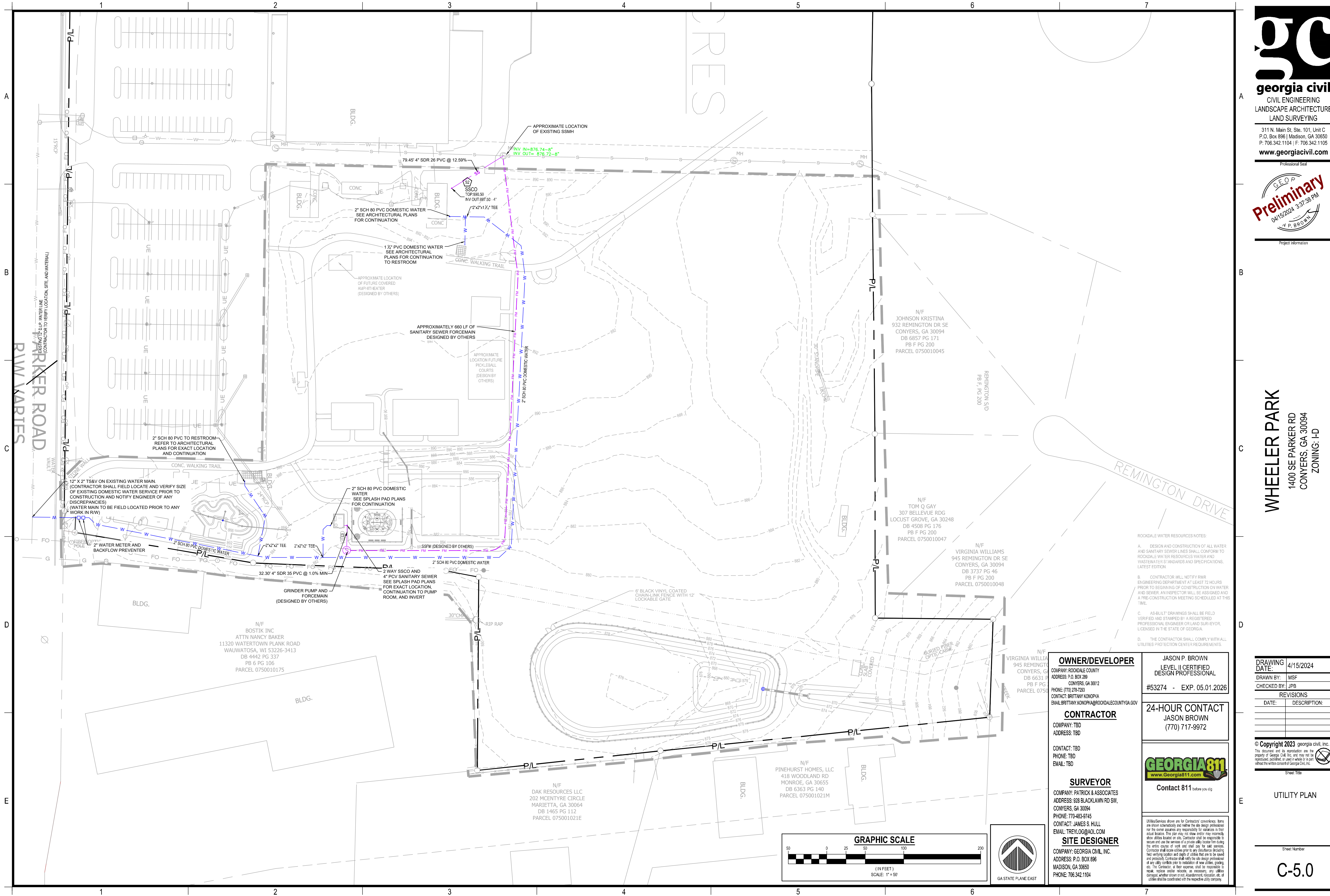
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Sheet Title
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 Project Information

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 1400 SE PARKER RD
 CONYERS, GA 30094
 ZONING: I-D

- ROCKDALE WATER RESOURCES NOTES:**
- A. DESIGN AND CONSTRUCTION OF ALL WATER AND SANITARY SEWER LINES SHALL CONFORM TO ROCKDALE WATER RESOURCES WATER AND WASTEWATER STANDARDS AND SPECIFICATIONS, LATEST EDITION.
 - B. CONTRACTOR WILL NOTIFY RWR ENGINEERING DEPARTMENT AT LEAST 72 HOURS PRIOR TO BEGINNING OF CONSTRUCTION ON WATER AND SEWER. AN INSPECTOR WILL BE ASSIGNED AND A PRE-CONSTRUCTION MEETING SCHEDULED AT THIS TIME.
 - C. AS-BUILT DRAWINGS SHALL BE FIELD VERIFIED AND STAMPED BY A REGISTERED PROFESSIONAL ENGINEER OR LAND SURVEYOR, LICENSED IN THE STATE OF GEORGIA.
 - D. THE CONTRACTOR SHALL COMPLY WITH ALL UTILITIES PROTECTION CENTER REQUIREMENTS.

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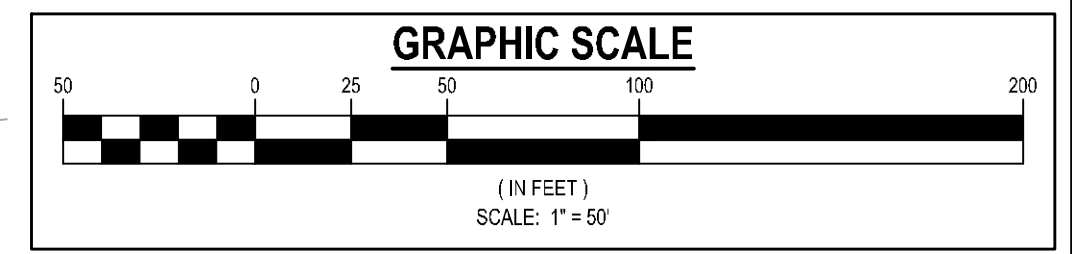
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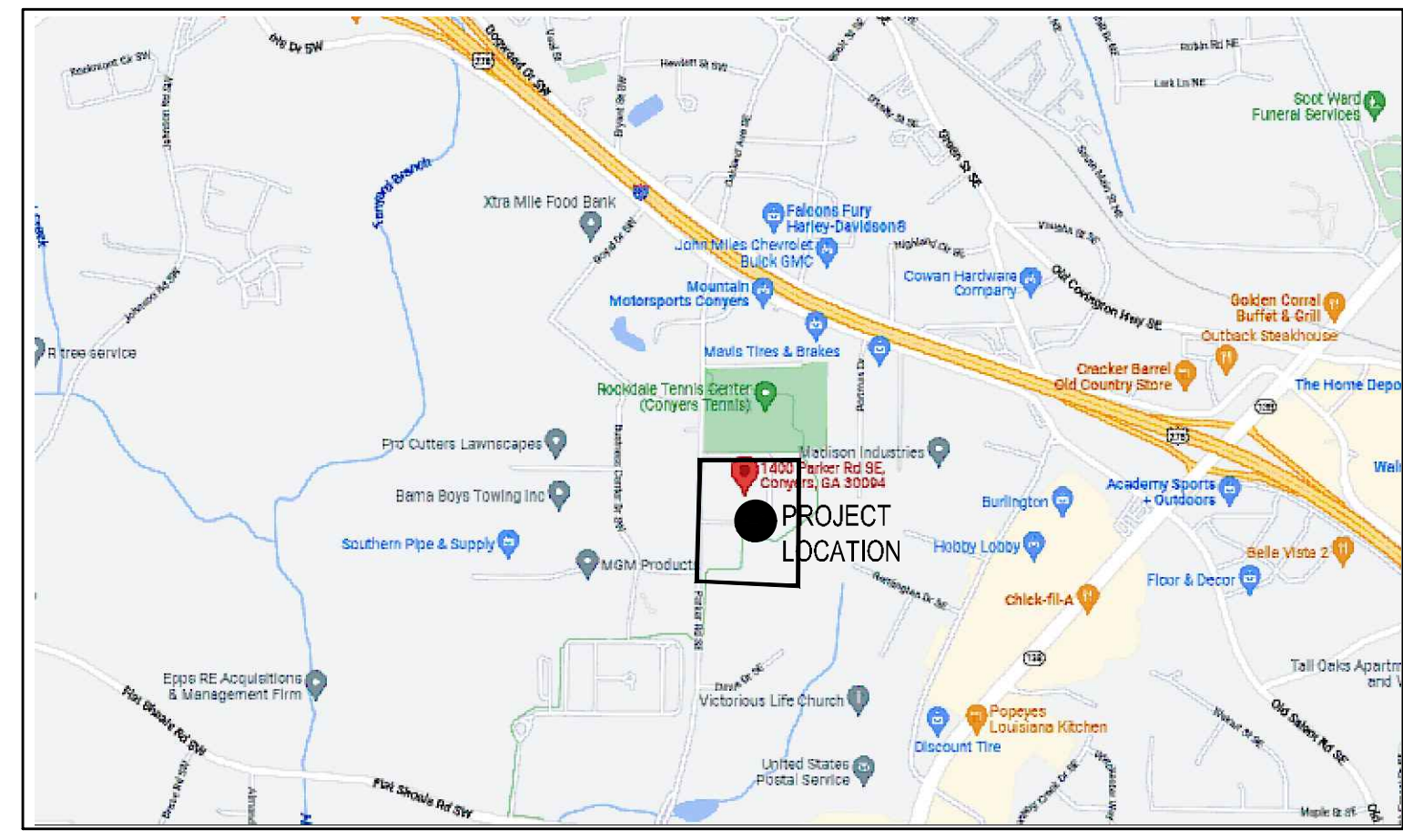
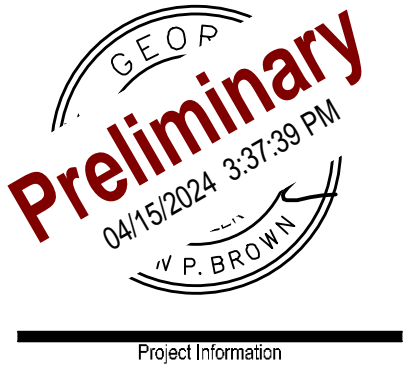
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UTILITY PLAN
 Sheet Number
C-5.0





VICINITY MAP NOT TO SCALE
GPS COORDINATES
N 33°39'02.44" W -84°01'13.38"
N 33.650679 W -84.020383

PRIMARY PERMITTEE CONTACT INFORMATION:

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MEASURES INSTALLED DURING CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORM WATER THAT MAY REMAIN AFTER CONSTRUCTION IS COMPLETE.:

1. F-Co	4. Tac	7. Lv	9. St
2. Sp	5. Trc	8. Rd	
3. Dks, Dsk4	6. Dk		

POSSIBLE POLLUTANT SOURCES FOR THIS PROJECT:

Sediment, Construction Debris, Petroleum Products, Concrete Products, Erosion and Grout, Fertilizers (Overuse), Top applications (Overuse), Paint Products, Asphalt Products. Contractor shall maintain a clean working environment, at all times and reduce and contain the pollution generated by these and other pollutants that may be utilized for the construction of this project. Contractor shall follow all local, state, and federal laws in handling all polluting products.

NON-STORM WATER DISCHARGES ALLOWED UNDER PERMIT:

1. Fire fighting activities
2. Fire hydrant flushing
3. Portable water sources including water line flushing
4. Irrigation drainage
5. Air conditioning condensation
6. Springs
7. Uncontaminated Ground Water
8. Foundation or footing drains where flows are not contaminated with process materials or pollutants.

Each of these discharges shall be treated for storm water pollutants in BMPs applied on the site. Discharge from each of these shall be routed to a temporary sediment basin within the same drainage area.

HAZARDOUS WASTES:

All hazardous waste materials will be disposed of in the manner specified by local, state, and federal regulations and by the manufacturer of such products. The job site superintendent, who will also be responsible for seeing that these practices are followed, will instruct site personnel in these practices. Material Safety Data Sheets (MSDS) for each substance with hazardous properties that is used on the job will be obtained and used for the proper management of potential hazards that may result from these products. An MSDS will be posted in the immediate area where such product is stored and/or used and another copy of each MSDS will be maintained on the job site construction trailer office. Each employee who must handle a substance with hazardous properties will be instructed on the use of MSDS sheets and the specific information in the MSDS for the product he/she is using, particularly regarding spill control techniques.

SANITARY WASTES:

A minimum of one portable sanitary unit will be provided for every ten (10) workers on the site. All sanitary wastes will be collected from the portable units a minimum of one time per week by a licensed portable toilet provider in compliance with local and state regulations. All sanitary wastes will be collected from the portable units a minimum of one time per week by a licensed portable toilet provider in compliance with local and state regulations. All sanitary wastes will be collected from the portable units a minimum of one time per week by a licensed portable toilet provider in compliance with local and state regulations. All sanitary wastes will be collected from the portable units a minimum of one time per week by a licensed portable toilet provider in compliance with local and state regulations.

SPILL CLEANUP AND CONTROL PRACTICES:

Local, state and manufacturer's recommended methods for spill cleanup will be clearly posted and procedures will be made available to site personnel. Material and equipment necessary for spill cleanup will be kept in the material storage areas. Typical materials and equipment includes, but is not limited to, brooms, shovels, rags, gloves, goggles, catch filter, sand, sawdust and properly labeled plastic and metal waste containers. Spill prevention practices and procedures will be reviewed after a spill and adjusted as necessary to prevent future spills. All spills will be cleaned up immediately upon discovery. All spills will be reported as required by local, state and federal regulations. For spills that impact surface water (even a sheen on surface water), the National Response Center (NRC) will be contacted within 24 hours at 1-800-424-9302. For spills that impact surface water, the NRC will be contacted within 24 hours at 1-800-424-9302. For spills greater than 25 gallons and no surface water impacts, the Georgia EPD will be contacted within 24 hours. For spills less than 25 gallons and no surface water impacts, the spill will be cleaned up and local agencies will be contacted as required. The contractor shall notify the licensed professional who prepared this plan if more than 1,200 gallons of petroleum is stored onsite (this includes diesel fuel) and any one piece of equipment has a capacity greater than 500 gallons. The contractor will use spill prevention containment and containment systems prepared by that licensee professional.

NON-EXEMPT ACTIVITIES:

*Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of vested 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.

SOIL SERIES (PER NRCS MAPS SOILS ARE SHOWN AS):

PkE, PACOLET SANDY LOAM, 2% TO 8% SLOPES

REFER TO SHEET C-1.1 FOR CONSTRUCTION REQUIREMENTS AND SPECIFICATIONS

CRITICAL AREAS AND ADDITIONAL MEASURES:

1. Critical Areas: 2:1 and 3:1 slopes, wet areas, sediment basins, and storm outlets. 2. Locate and flag buffers to prevent disturbance.
Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit.

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.

Erosion Sedimentation & Pollution Control Notes
Sheet Number

This plan has been prepared to meet the requirements under the State of Georgia, Department of Natural Resources, Environmental Protection Division (EPD), General Permit No. GAR10001 for authorization to discharge under the National Pollutant Discharge Elimination System (NPDES), Stormwater Discharges Associated with Construction Activity for Small Area Construction Projects. Daily, weekly and monthly inspections as required by Permit No. GAR10001 shall be performed by certified personnel provided by the Contractor. Sampling requirements as required by Permit No. GAR10001 shall be performed by certified personnel provided by the Contractor.
Contractor shall make sure construction is in accordance with regulations of the NPDES Permit No. GAR10001. This includes but is not limited to:
*Site stabilization practices
*BMP maintenance and inspections
*Soil control practices
*Monitoring plans and practices
*Vegetative and structural erosion control practices
*Pollution prevention plans and practices
*Material management practices for spill prevention plans
*Waterland and state water protection practices
*Regrading practices

POLLUTION REDUCTION PRACTICES FOR STORM WATER DISCHARGES:

STABILIZATION (VEGETATIVE) MEASURES:
ALL STABILIZATION (VEGETATIVE) MEASURES SHALL BE IMPLEMENTED AS STATED IN THE MANUAL FOR EROSION AND SEDIMENTATION CONTROL IN GEORGIA (LATEST EDITION).
(B) Buffer Zone - A strip of undisturbed, original vegetation or restored/established vegetation or re-establishment of vegetation surrounding disturbed areas or bordering streams, ponds, wetlands, lakes, or coastal water used to buffer one or more of the following purposes: reduce storm runoff velocities; act as a visual screen; reduce construction noise; improve aesthetics on disturbed land; filtering and infiltrating runoff; cooling streamwaters by creating shade; provide food and cover for wildlife; flood protection; or protect channel banks from scour and erosion.
(D1) Disturbed Area Stabilization with Mulching Only - Applying plant residue or other suitable materials, produced as close as feasible to the soil surface in order to replicate natural canopy, conserve nutrients, prevent surface compaction or crusting, control erosion/vegetation, modify soil temperature, or increase biological activity in the soil. This practice is applicable where stabilizing cover is intended to be short-lived and/or is not practical for long-term use.
(D2) Disturbed Area Stabilization with Temporary Seeding - Establishing temporary vegetative cover with fast growing seedlings for aesthetic protection on disturbed/disturbed areas in order to reduce runoff and sediment damage. Downstream resources, protect the soil surface from erosion, improve wildlife habitat, improve aesthetics, improve infiltration and aeration as well as organic matter for permanent plantings. This practice is applicable for use as both temporary and/or permanent vegetative cover as installed. It should be coordinated with permanent measures that are used to stabilize the soil.
(D3) Disturbed Area Stabilization (with Permanent Vegetation) - Planting of permanent vegetation such as trees, shrubs, vines, or legumes on exposed areas for final permanent stabilization in order to protect the soil surface from erosion, reduce damage from sediment and runoff to downstream areas, improve wildlife habitat and visual resources, and improve aesthetics. It will apply on all erodible soils, earth surfaces, earth areas and severely eroded or gullied areas.
(D4) Disturbed Area Stabilization (with Sodding) - Establishing an immediate and permanent vegetative cover using sods in order to reduce runoff and erosion, improve aesthetics and land value, reduce dust and sediments, stabilize waterways and critical areas, firm sediments, nutrients, reduce downstream complaints, reduce likelihood of acid action, reduce likelihood of work stoppage due to log skids, and increase "soil resiliency" benefits.
(D) Disturbed Area Erosion Control - Controlling surface and soil movement of dust on construction sites, roads, and demolition sites in order to prevent surface soil and movement of dust from eroded soil surfaces, reduce the presence of airborne substances which may be harmful or injurious to human health (whether air, water, or biomass) or plants, livestock and materials which can be used in food, feed, or animal products; reduce soil erosion; improve aesthetics; and control sedimentation of receiving water bodies.
(F-Co) Fertilizers and Coagulants - Formulated to assist in the flocculation/precipitation of suspended particles (which are characteristically very small) in solution. The suspended stability of such particles (colloidal complex) is due to both their small size and the electrical charge between particles.
(Sb) Streambank Protection (Using Permanent Vegetation) - Using native plant materials to maintain and enhance streambanks, or to prevent, or restore and repair small streambank erosion problems in order to lessen the impact of rain directly on the soil long term sediment from adjacent land, a root mat to stabilize and reinforce the soil of the streambank, provide wildlife habitat, enhance stream appearance, and reduce summer water temperature.
(Ss) Slope Stabilization - A protective covering used to prevent erosion and establish vegetation on steep slopes, three times, or channels in order to stabilize the soil and act as a rain drop absorber while providing a protective covering for young vegetation.
(TAc) Tackifiers - Substances used to anchor soil particles, hold soil firmly, by causing organic material to bond together and discourage it from eroding/drooping. Tackifiers also conserve nutrients; prevent surface compaction, improve soil infiltration, soil fertility, enhanced soil permeability, increased soil cohesion, enhanced soil productivity, reduced summer runoff turbidity and reduction in loss of silt.

STRUCTURAL PRACTICES:
ALL STRUCTURAL PRACTICES SHALL BE IMPLEMENTED AS STATED IN THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA (LATEST EDITION).
(Cd) Check Dam - A small temporary barrier, grade control structure, or open channel across a swale or drainage ditch which drains five (5) acres or less (not to be in a live stream) in order to reduce erosion by slowing the velocity of concentrated runoff.
(Ch) Channel Stabilization/Restoration - Constructing or stabilizing an open channel for water conveyance. Open channels are to be non-erosive, with no sediment deposition and able to provide adequate capacity for flood water, drainage, other water management practices, or any combination thereof.
(Co) Construction Exit - A stone stabilized pad located where traffic leaves a construction site as a public right-of-way, street, alley, or non-erosive, etc. (i.e. bare soil to paved area) in order to reduce sediment dispersing construction area into non-paved right-of-way by road vehicles by runoff.
(Cr) Construction Road Stabilization - Road and/or outside transportation routes that are established with compact aggregate between the time of final grading and final stabilization in order to provide a firm road for construction traffic, reduce erosion, reduce subsequent regrading of permanent roadways, and provide a stable base for driving.
(Dc) Stream Channel Channel - A temporary channel that diverts a live stream and allows work "in the dry" while protecting streambanks (S) from erosion. This diversion is used when streambank work is unavoidable, as with large projects such as ditches or canals that frequently cross and impact live streams and create a potential for excessive sediment loss by both the disturbance of streambank areas and the work while the stream is diverted.
(D) Diversion - An earth channel with a compacted supporting ridge on the lower side, constructed above, across, or below a slope to reduce slope lengths, break-up concentrations of runoff, attract runoff, and allow water to stable outlets on non-erosive velocities.
(Dn1) Temporary Down-drain Structure - A flexible conduit of heavy-duty plastic or other material used as a temporary structure to convey storm water runoff from the face of a cut or slope to a storm drain or other structure or to a storm drainage structure in order to prevent erosion of the slope. Flexible conduits are removed once the permanent water disposal outlet is installed.
(Dn2) Permanent Down-drain Structure - A permanent paved chute, pipe or section of conduit of precast concrete material designed to safely convey surface runoff from the top to the bottom of a slope thus minimizing erosion. Down-drain structures are to be used where concentrated water will cause excessive erosion of cut and fill slopes.
(F) Filter Strip - A temporary slope barrier used in conjunction with other sediment control measures and constructed at storm drain inlets and pond outlets, in order to reduce flow velocities, reduce erosion of embankment slopes, and prevent sediment from entering drainage systems, prior to permanent stabilization of the disturbed areas.
(G) Gabion - Large, multi-cellular wire mesh boxes, filled with rocks, which when filled monolithic building blocks used in channel reinforcement, retaining walls, abutments, check dams, etc. to prevent erosion and sediment damage to specific structures. When properly filled, they can be used to stabilize steep, or highly erosive slopes.
(Gr) Grade Stabilization Structure - Structures of concrete, masonry, steel, aluminum, treated wood, etc. that are installed to stabilize the grade in natural or artificial channels and to prevent the formation or erosion of gullies and to reduce erosion and sediment pollution.
(L) Level Sponges - A foam flow outlet device structure constructed at zero grade across a slope where concentrated runoff may be intercepted and diverted at non-erosive channel flow velocities under an impermeable area stabilized by existing vegetation.
(Rd) Road File Dam - A permanent or temporary stone file dam, which can be used in conjunction with a temporary sediment trap, installed across small streams, drainageways with a stream flow area of 50 square feet or less to reduce erosion and sedimentation of the streambed, to reduce erosion and sedimentation of the streambed, to reduce erosion and sedimentation of the streambed, to reduce erosion and sedimentation of the streambed.
(Re) Retaining Wall - A constructed wall of concrete, masonry, reinforced concrete, cribbing, treated timbers, gabions, stone dry wall, rip-rap or other durable material in order to stabilize or hold in place where maximum permissible slopes of earth are not obtainable without the use of the wall.
(R) Rip-rap - A device or structure, such as "roll concrete" blocks, multi pipe or similar, placed in front of a permanent stormwater detention pond outlet or roadway drainage structure to serve as a temporary sediment trap and reduce sedimentation of the outlet. Rip-rap structures function as temporary sediment retention basins for land disturbing projects, and allow roadway drainage to flow into a permanent sedimentation structure.
(Sd1) Sediment Barrier - A temporary structure constructed of silt fence, straw, hay bales, brush piles, multi forms, compost fiber socks, gravel or other filtering materials typically supported by stone or wood posts, but also used in conjunction with other stabilization practices such as mulching, straw, hay, or other stabilization practices.
(Sd2) Seed Sleds/Trip - A temporary protective device formed at or around a storm drain inlet to trap sediment in runoff water from small, disturbed areas and prevent sediment from entering a storm drainage system prior to permanent stabilization of the disturbed area downstream of the inlet. One end of these facilities is normally retracted after each heavy rainfall.
(Sd3) Temporary Sediment Basin - A basin created by construction of an embankment, barrier or dam constructed at a principal spillway pipe and an emergency spillway pipe that are normally situated within natural drainageways and at the lowest point on a construction site. Structure size will vary depending on the size of the drainage area, soil type, volume of sediments to be trapped from the disturbed area and the amount of sediment that is expected to flow into the storm drain from the completed development. Sediments are designed to be stored in runoff water and trap sediment from erodible areas in order to protect downstream properties.
(Sd4) Temporary Sediment Trap - A small temporary pond (with no pipe or drain) that creates a disturbed area so that sediment can settle out. Sediment is designed to collect and store sediment from erodible areas in order to protect downstream properties.
(S) Stormwater Stream Crossings - A temporary structure installed across a flowing stream or watercourse for use in construction equipment without moving sediment into streams, damaging the streambed channels, or causing blockage. The structure may consist of a pipe, barrier, or other suitable device permitting vehicle traffic to cross streams or watercourses.
(S) Storm Drain Outlet Protection - A paved or other form of rip-rap channel placed at the outlet of a storm drain system in order to reduce the velocity of water below storm drain outlets, and to prevent erosion from concentrated flow.
(S) Surface Roughening - Providing a rough soil surface with horizontal depressions created by operating a blade or other suitable implement on the contour, or by having slopes in a riprapped condition by not regrading them. In order to aid in establishment of vegetative cover, rip-rap may be used to reduce runoff velocity and reduce erosion and to reduce erosion and provide for sediment trapping.
(T) Temporary Erosion - A floating or stacked barrier installed in the water in order to minimize turbidity and soil migration from work occurring within the water or as a supplement to perimeter control BMPs at the water's edge. Soil or turbidity may be allowed to pass through the installation, such as suspended particles, drop out of the water column over time.
(T) Topsoiling - Stripping of the more fertile top soil, storing it, then spreading/loose the disturbed area after completion of construction activities, in order to provide a suitable soil medium for vegetative growth and where other measures will not produce or maintain a desirable state.
(W) Weeded Vegetation or Stormwater Conveyance Channel - Outlets for diversions, terraces, batters, or other structures. They may be natural or constructed, staked to protect diversions and covered or vegetated for disposal of storm water runoff. For waterways in the batters, it is essential that a protective cover of vegetation or other structural measures be implemented.

PRODUCT SPECIFIC PRACTICES:

All pollutants from waste disposal practices, soil additives, remediation of soils and leaks of petroleum products, concrete truck washout, etc., should only at these times occur, shall be controlled by the implementation of appropriate best management practices. The site shall be in compliance with all applicable state and local waste disposal, sanitary sewer or septic system regulations.
Petroleum Based Products - Containers for products such as fuels, lubricants, and tars shall be inspected daily for leaks and spills. This includes auto, vehicles and machinery daily inspections and regular preventative maintenance programs. Equipment maintenance areas shall be located away from State Waters, natural drain, and storm water discharge inlets. In addition, temporary leaking tanks shall have a secondary containment liner to prevent/limit-site contamination. Discharge of oils, fuels, and lubricants is prohibited. Proper disposal methods include collection in suitable containers and disposal as required by local and State regulations.
Paints/Finishes/Solvents - All products shall be stored in tightly sealed original containers when not in use. Excess product shall not be discharged to the storm water collection system. Excess product, materials used with these products, and product containers shall be disposed of in accordance with manufacturer's specifications and recommendations.
Fertilizer/Limitations - These products shall be applied at rates that do not exceed the manufacturer's specifications or above the guidelines set forth in the crop establishment or the GSWCC Manual for Erosion and Sediment Control in Georgia. Any storage of these materials will be under roof or sealed containers.
Building Materials - No building or construction materials shall be buried or deposited on-site. All such material shall be disposed of in proper waste disposal procedures.
Concrete Truck Washing - No concrete trucks shall be allowed to wash soil or discharge surplus concrete or drain wash water onto. Concrete wash water bins, concrete mixer chutes, hoppers and the rear of vehicles will only be allowed in a designated area provided for this purpose, as shown on the drawings, the following best management practices shall be followed:
(1) Contain all wash water on soil, in a bowl shaped area created in the designated wash area to prevent the wash water from flowing from the washout area;
(2) Use the minimum amount of water to wash down the trucks, concrete mixer chutes, hoppers and the rear of vehicles;
(3) Remove all concrete sediment from the area surrounding the washout area before it rains; and
(4) Remove any concrete residue from the designated area which has hardened.

CONSTRUCTION MATERIALS:

Contractor shall at all times have all construction materials protected from rainfall. Contractor shall utilize tarps, plastic sheeting, roof cover, trailers or any other method to make sure all construction material is covered at all times during construction.

EROSION CONTROL MEASURES TO CONTROL POLLUTANTS IN STORM WATER POST CONSTRUCTION:

*NOTE THE PERMITTEE IS ONLY RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF STORMWATER MANAGEMENT DEVICES PRIOR TO FINAL STABILIZATION OF THE SITE AND NOT THE OPERATION AND MAINTENANCE OF SUCH STRUCTURES AFTER CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED.
1. RIP-RAP OUTFALL CHANNEL PROTECTION: Shall be inspected and maintained prior to final stabilization. Any displaced stones and/or other repairs deemed necessary shall be completed according to conditions set forth in GSWCC Manual.
2. WATER QUALITY BASIN: Water quality basin shall be inspected and cleaned out according to Georgia Stormwater Management Manual's recommendations to ensure required water quality guidelines are met.

ESTIMATE OF RUNOFF COEFFICIENT OR PEAK DISCHARGE FLOW PER AND POST DEVELOPMENT CONDITIONS:	
PRE CN: 70	
PRE FLOW: 16.92 CFS	
POST FLOW: 3.20 CFS	

Maintenance of all soil erosion and sedimentation control measures and practices, whether temporary or permanent, shall be at all times the responsibility of the property owner.

GSWCC EROSION CONTROL NOTES:

1. Any 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.
2. Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit.
3. 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.
4. 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 or to treat the sediment source.
5. Any disturbance left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding.

ADDITIONAL EROSION CONTROL NOTES:

1. Maximum cut slopes are 3:1 horizontal to 1 vertical, unless otherwise noted.
2. Maximum fill slopes are 3:1 horizontal to 1 vertical, unless otherwise noted.
3. All buffers, tree save areas, and/or limits of disturbance shall be clearly marked in the field by the contractor by flagging or fencing and signage, prior to commencement of any land disturbance activities and during limits of disturbance. Buffers, tree save areas, and areas beyond limits of disturbance are to be left undisturbed in their natural state.
4. Contractor shall disturb underground utilities while installing Erosion, Sedimentation and Pollution Control Practices. Contractor shall have all utilities field located before proceeding with any work.
5. Contractor shall notify design professional 48 hours before beginning each phase of construction.
6. Contractor shall notify CITY OF CONYERS inspectors 24 hours before beginning each phase of construction.
7. Construction debris and/or waste shall not be buried or burned on site. All construction debris and/or waste shall be taken to a state approved landfill.
8. All buffers and tree save areas shall be clearly identified by flagging and/or fencing prior to commencement of any land disturbance activities.
9. The installation of erosion and sedimentation control measures and practices shall occur prior to or concurrent with land disturbing activities and construction on the site and shall be maintained until permanent ground cover is established at 80%.
10. All initial phase Erosion, Sedimentation and Pollution Control best management practices shall be installed prior to any grading.
11. All Erosion, Sedimentation and Pollution Control best management practices shall be inspected and repaired or replaced daily, any accumulated silt shall be removed and spread on site and controlled with temporary mulching and/or grassing.
12. Erosion, Sedimentation and Pollution Control best management practices shall be maintained at all times. ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION OR AS REQUIRED BY ENGINEER OR LOCAL JURISDICTION INSPECTOR.
13. Maintenance of all soil erosion and sedimentation control measures and practices whether temporary or permanent shall be the responsibility of the contractor.
14. Any discrepancy within these plans shall be referred to the design professional by the contractor for clarification before proceeding with work.
15. Sediment storage maintenance indicators must be installed in sediment storage structures, indicating the 10:1 fill volume.
16. Contractor shall provide temporary diversion berms and down drains on fill slopes to prevent erosion until final stabilization.
17. Contractor shall remove undisturbed sediment from detention basin at end of construction when all disturbed areas have been fully stabilized.

REVISIONS SHOWN ON ES&PC PLAN:

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.

INTENDED LAND DISTURBANCE CONSTRUCTION ACTIVITY SEQUENCE:

- | | |
|---|--|
| Initial Phase: | |
| 1. Photoconduction meeting with CITY OF CONYERS | 15. Install utilities (water and sewer) |
| 2. Perform initial monitoring | 16. Grassy mulch/flocculant/coagulant disturbed areas and install intermediate BMPs |
| 3. Install construction exit | 17. Install GAB rip-rap/outlet on designated line |
| 4. Coordinate with utility companies on utility/field locations | 18. Grassy mulch/flocculant/coagulant disturbed areas and install intermediate BMPs |
| 5. Provide any needed initial mulching, grassing or other ground cover | 19. Install curb & gutter |
| 6. Install topsoil collection silt fence | 20. Grassy mulch/flocculant/coagulant disturbed areas and install intermediate BMPs |
| 7. Begin regrading, grubbing, topsoiling, and grading operations with limits of erosion prongs (inlet/outlet protection, foccoulants/coagulants, mulching/grassing, etc.) | 21. Install permanent vegetation |
| 8. Install wheel wash and fuel storage location (if necessary) | 22. Finish grade shoulders and stabilize disturbed areas with permanent vegetation |
| 9. Coordinate Site Review Meeting with Engineer and/or Local Insuring Authority | 23. Continue to apply foccoulant/coagulant applications, mulching and grassing at each step to limit soil exposure |

- | | |
|---|--|
| Intermediate Phase: | |
| 1. Install storm pipe systems with protected inlets (Sd2s) | 1. Throughout land disturbance process, maintain existing BMPs (monitoring and structural practices) |
| 2. Throughout land disturbance process, maintain existing BMPs (Vegetative and Structural Practices) | 2. Throughout land disturbance process, continue NPDES monitoring and reporting |
| 3. Throughout land disturbance process, continue NPDES monitoring and reporting | 3. Complete seeding operations |
| 4. Coordinate with utility companies on utility/field locations | 4. Achieve Final Site Stabilization |
| 5. Begin regrading, grubbing, topsoiling, and grading operations | 5. Coordinate Site Review Meeting with Engineer and/or Local Insuring Authority |
| 6. Install topsoil pile at stockpile location and immediately grass/mulch and install any remaining topsoil location silt fence | 6. Clean all soil from storm systems (distribute evenly and stabilize) |
| 7. Perform regrading/grubbing (adjust storm inlets with grade changes) and adjust all affected Sd2s | 7. Remove any temporary BMP practices once stabilization is achieved and approved by Engineer |
| 8. As areas are brought to finish grade, grass and blanket any areas that are finish grade or will be left bare for 7 days | 8. Coordinate Site Review Meeting with Engineer for final site approval |
| 9. Adjust storm inlets with grade changes and adjust all Sd2s | |
| 10. Each 10 days install a diversion at the top that is maintained and reinstated as the slope is constructed | |
| 11. Continue foccoulant/coagulant applications and continue every 7 days | |
| 12. Install remaining storm systems) as grades are achieved | |
| 13. Immediately install each storm system with associated Sd2s and silt fence | |
| 14. Grassy mulch/flocculant/coagulant disturbed areas and install intermediate BMPs | |

CONCRETE WASHOUT:

Contractor shall install a concrete washout. This area is only for the washout of items such as tools, concrete mixer chutes, hoppers and the rear of the vehicles. WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.

WASTE DISPOSAL, SANITARY SEWER, SEPTIC TANK REGULATIONS (ES&PC PLAN COMPLIANCE):

Construction Debris shall be recycled to the extent deemed practical by Owner/Contractor. A by-product generated from the development of this site including but not limited to, solid waste, liquid waste, chemical waste, construction waste, sanitary sewer discharge, septic tank and septic system waste, shall be collected and disposed of in a manner that complies with local, state, and federal laws, regulations and ordinances. All regulated substances, modifications, documents, and permits on construction project or on any other project shall be disposed of in a manner that complies with local, state, and federal laws and regulations. Owner/Contractor is responsible for containing the sediment load facilities of a stormwater management company to the state of Georgia to adequately and safely remove waste collection and disposal. Solid materials, including building materials, shall be discharged to waters of the State, except as authorized by a Section 404 permit.

BMP'S FOR PETROLEUM SPILLS AND LEAKS:

1. Fix any leaks immediately, maintain and clean equipment regularly
2. Designate areas for equipment maintenance and fueling that are located on level ground and away from any water sources
3. Store all fuels and containers in a leak-proof, lockable container to insure safe storage
4. Collect and remove all leftover lubricants, containers, and tank, especially tires, batteries, spools and parts of equipment, and all fluid containers
5. Maintain a spill-containment and clean up kit. At a minimum, a kit for petroleum products should include:
 - a. A leak proof container to catch leaking fuel.
 - b. Absorbent pads, and other ready-to-use spill kits.
 - c. Absorbent pads, absorbent substances such as cat litter or oil-drying agents, that will absorb fluids before seeping into ground.
 - d. Various hoses, plugs, and clamps to control a hydraulic line break. A variety of locking "eye" log ties can be used in emergency.
 - e. Large plastic bags to store any contaminated materials for disposal.
6. Temporary fueling areas shall be installed and operated in compliance with Georgia E.P.D. regulations.

CONSTRUCTION MATERIALS:

Contractor shall at all times have all construction materials protected from rainfall. Contractor shall utilize tarps, plastic sheeting, roof cover, trailers or any other method to make sure all construction material is covered at all times during construction.

EROSION CONTROL MEASURES TO CONTROL POLLUTANTS IN STORM WATER POST CONSTRUCTION:

*NOTE THE PERMITTEE IS ONLY RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF STORMWATER MANAGEMENT DEVICES PRIOR TO FINAL STABILIZATION OF THE SITE AND NOT THE OPERATION AND MAINTENANCE OF SUCH STRUCTURES AFTER CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED.

1. RIP-RAP OUTFALL CHANNEL PROTECTION: Shall be inspected and maintained prior to final stabilization. Any displaced stones and/or other repairs deemed necessary shall be completed according to conditions set forth in GSWCC Manual.
2. WATER QUALITY BASIN: Water quality basin shall be inspected and cleaned out according to Georgia Stormwater Management Manual's recommendations to ensure required water quality guidelines are met.

PROJECT LOCATION:	075010218
PROJECT ADDRESS:	1400 SE PARKER RD CONYERS, GA 30094
PROJECT TYPE TO BE MADE:	ADDITIONS TO EXISTING PARK CONSTRUCTION ON ONE OF NEW PARK AMENITIES INCLUDING SKATE PARK, SPLASH PAD, PAVLON, PLAYGROUND, AND VOLLEYBALL COURTS
SITE ACREAGE:	48.45 ACRES
DISTURBED ACREAGE:	2.00 AC
STATE WATERS ON SITE:	NO
EPD BUFFER ENCROACH: PERMIT REQD	NO
STATE AND LOCAL BUFFERS ADHERED TO:	N/A
WETLANDS OR WATERS OF US ON SITE:	LITTLE CEDAR CREEK
RELEVANT WATERS:	

NATURE OF CONSTRUCTION ACTIVITY:

The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment control requirements and perimeter control BMPs within 7 days after installation. In accordance with Part IV, (iii), (iv) and (v) of the permit.

NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50 FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF VESTED 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.

NPDES PERMIT PART IV:
(i), EXCEPT AS PROVIDED IN PART IV (iii), below, NO CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED WITHIN A 25 FOOT BUFFER ALONG THE BANKS OF ALL STATE WATERS, AS MEASURED HORIZONTALLY FROM THE POINT WHERE VEGETATION HAS BEEN VESTED BY NORMAL STREAM FLOW OR WATER ACTION, EXCEPT WHERE THE DIRECTOR HAS DETERMINED THAT SUCH AN ACTIVITY IS NECESSARY TO PROTECT THE STATE'S NATURAL RESOURCES AND THE ENVIRONMENT IN ACCORDANCE WITH THE PROVISIONS OF O.C.G.A. 12-2-14, OR WHERE A DRAINAGE STRUCTURE OR ROADWAY DRAINAGE STRUCTURE MUST BE CONSTRUCTED PROVIDED THAT ADEQUATE EROSION CONTROL MEASURES ARE INCORPORATED INTO THE PROJECT PLANS AND SPECIFICATIONS AND ARE IMPLEMENTED, OR ALONG AN EPHEMERAL STREAM, OR WHERE BURLEHEADS AND SEALS MUST BE CONSTRUCTED TO PREVENT THE EROSION OF THE SHORELINE ON LAKE OCEANE AND LAKE SINGLAR. THE BUFFER SHALL NOT APPLY TO THE FOLLOWING ACTIVITIES PROVIDED THAT ADEQUATE EROSION CONTROL MEASURES ARE INCORPORATED INTO THE PROJECT PLANS AND SPECIFICATIONS AND ARE IMPLEMENTED:

1. PUBLIC DRINKING WATER SYSTEM RESERVOIRS
2. STREAM CROSSINGS FOR WATER LINES AND SEWER LINES, PROVIDED THE STREAM CROSSINGS OCCUR AT AN ANGLE AS MEASURED FROM THE POINT OF CROSSING, WITHIN 25 DEGREES OF PERPENDICULAR TO THE STREAM AND CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER, AND NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE AREAS WITHIN THE BUFFER.
3. STREAM CROSSINGS FOR ANY UTILITY LINES OF ANY ELECTRICAL MEMBERSHIP CORPORATION OR MUNICIPAL ELECTRICAL SYSTEM OR ANY PUBLIC UTILITY UNDER THE REGULATORY JURISDICTION OF THE PUBLIC SERVICE COMMISSION, ANY UTILITY UNDER THE REGULATORY JURISDICTION OF THE FEDERAL ENERGY REGULATORY COMMISSION, ANY CABLE TELEVISION SYSTEM AS DEFINED IN CODE SECTION 36-18-1, OR ANY AGENCY OR INSTRUMENTALITY OF THE UNITED STATES ENGAGED IN THE GENERATION, TRANSMISSION, OR DISTRIBUTION OF POWER, PROVIDED THAT (A) THE AREA OF LAND DISTURBANCE DOES NOT EXCEED 1,000 SQUARE FEET PER STRUCTURE, (B) THE AREA OF BUFFER VEGETATION TO BE CUT (NOT GRUBBED) DOES NOT EXCEED 1,000 SQUARE FEET PER STRUCTURE, (C) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE AREAS OR DISTURBED AREAS WITHIN THE BUFFER AND (D) THE ENTITY IS NOT A SECONDARY PERMITTEE FOR A PROJECT LOCATED WITHIN A COMMON DEVELOPMENT OR SALE UNDER THIS PERMIT.
4. BUFFER CROSSINGS FOR FENCES, PROVIDED THAT THE CROSSINGS OCCUR AT AN ANGLE AS MEASURED FROM THE POINT OF CROSSING, WITHIN 25 DEGREES OF PERPENDICULAR TO THE STREAM AND CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER, AND NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE AREAS WITHIN THE BUFFER.
5. STREAM CROSSINGS FOR AERIAL UTILITY LINES, PROVIDED THAT (A) THE NEW UTILITY LINE RIGHT-OF-WAY WIDTH DOES NOT EXCEED 100 LINEAR FEET, (B) STREAM CROSSINGS FOR POWER AND CABLE TELEVISION ARE LIMITED TO ONE CROSSING PER STRUCTURE, (C) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE AREAS OR DISTURBED AREAS WITHIN THE BUFFER, AND (D) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE AREAS OR DISTURBED AREAS WITHIN THE BUFFER. THE PLAN SHALL INCLUDE A DESCRIPTION OF THE STREAM CROSSINGS INCLUDING AREA AND LENGTH OF BUFFER DISTURBANCE, ESTIMATED LENGTH OF TIME OF BUFFER DISTURBANCE, AND JUSTIFICATION.
6. RIGHT-OF-WAY POSTS, GUY WIRES, ANCHORS, SURVEY MARKERS, AND THE REPLACEMENT OR MAINTENANCE OF EXISTING UTILITY STRUCTURES WITHIN THE CURRENT RIGHT-OF-WAY UNDETAKEEN OR FINANCE IN WHOLE OR IN PART BY THE DEPARTMENT OF TRANSPORTATION, THE GEORGIA HIGHWAY AUTHORITY OR STATE ROAD AND TOLLWAY AUTHORITY OR UNDERTAKEN BY ANY COUNTY OR MUNICIPALITY, PROVIDED THAT (A) THE AREA OF LAND DISTURBANCE DOES NOT EXCEED 100 SQUARE FEET PER STRUCTURE, (B) THE AREA OF BUFFER VEGETATION TO BE CUT (NOT GRUBBED) DOES NOT EXCEED 1,000 SQUARE FEET PER STRUCTURE, (C) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE AREAS OR DISTURBED AREAS WITHIN THE BUFFER AND (D) THE ENTITY IS NOT A SECONDARY PERMITTEE FOR A PROJECT LOCATED WITHIN A COMMON DEVELOPMENT OR SALE UNDER THIS PERMIT.
7. RIGHT-OF-WAY POSTS, GUY WIRES, ANCHORS, SURVEY MARKERS, AND THE REPLACEMENT OR MAINTENANCE OF EXISTING UTILITY STRUCTURES WITHIN THE CURRENT RIGHT-OF-WAY OF ANY ELECTRICAL MEMBERSHIP CORPORATION OR MUNICIPAL ELECTRICAL SYSTEM OR ANY PUBLIC UTILITY UNDER THE REGULATORY JURISDICTION OF THE PUBLIC SERVICE COMMISSION, ANY UTILITY UNDER THE REGULATORY JURISDICTION OF THE FEDERAL ENERGY REGULATORY COMMISSION, ANY CABLE TELEVISION SYSTEM AS DEFINED IN CODE SECTION 36-18-1, OR ANY AGENCY OR INSTRUMENTALITY OF THE UNITED STATES ENGAGED IN THE GENERATION, TRANSMISSION, OR DISTRIBUTION OF POWER, PROVIDED THAT (A) THE AREA OF LAND DISTURBANCE DOES NOT EXCEED 1,000 SQUARE FEET PER STRUCTURE, (B) THE AREA OF BUFFER VEGETATION TO BE CUT (NOT GRUBBED) DOES NOT EXCEED 1,000 SQUARE FEET PER STRUCTURE, (C) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE AREAS OR DISTURBED AREAS WITH

REQUIRED INSPECTIONS AND RECORD KEEPING BY THE PRIMARY PERMITTEE:

PERMITTEE REQUIREMENTS
(1) EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE...

(2) MEASURE AND RECORD RAINFALL WITHIN DISTURBED AREAS OF THE SITE THAT HAVE NOT MET FINAL STABILIZATION...

(3) CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT THE FOLLOWING AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS...

(4) CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT AT LEAST ONCE PER MONTH DURING THE TERM OF THIS PERMIT...

(5) BASED ON THE RESULTS OF EACH INSPECTION, THE SITE DESCRIPTION AND THE POLLUTION PREVENTION AND CONTROL MEASURES IDENTIFIED...

(6) A REPORT OF EACH INSPECTION THAT INCLUDES THE NAME(S) OF CERTIFIED PERSONNEL MAKING EACH INSPECTION, THE DATE(S) OF EACH INSPECTION...

ANALYTICAL METHODS TO BE USED TO COLLECT AND ANALYZE SAMPLES:

1. SAMPLING REQUIREMENTS: THIS PERMIT REQUIRES THE MONITORING OF NEPHELOMETRIC TURBIDITY IN RECEIVING WATERS OR OUTFALLS IN ACCORDANCE WITH THIS PERMIT...

2. SAMPLING POINTS: (1) FOR CONSTRUCTION ACTIVITIES THE PRIMARY PERMITTEE MUST SAMPLE ALL RECEIVING WATERS(S), OR ALL OUTFALLS, OR A COMBINATION OF RECEIVING WATERS(S) AND OUTFALLS...

(2) THE DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORMWATER DISCHARGE FROM THE PERMITTED ACTIVITY...

(3) 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."

(4) CLEARLY NOTE THE STATEMENT THAT "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit."

(5) CLEARLY NOTE THE 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."

(6) CLEARLY NOTE THE STATEMENT "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."

(7) CLEARLY NOTE THE STATEMENT "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit."

(8) CLEARLY NOTE THE 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."

(9) CLEARLY NOTE THE STATEMENT "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."

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(13) CLEARLY NOTE THE STATEMENT "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."

(14) CLEARLY NOTE THE STATEMENT "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."

(15) CLEARLY NOTE THE STATEMENT "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit."

(16) CLEARLY NOTE THE 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."

(17) CLEARLY NOTE THE STATEMENT "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."

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(19) CLEARLY NOTE THE STATEMENT "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit."

(20) CLEARLY NOTE THE 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) CLEARLY NOTE THE STATEMENT "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."

(23) CLEARLY NOTE THE STATEMENT "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit."

(24) CLEARLY NOTE THE 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."

(25) CLEARLY NOTE THE STATEMENT "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."

(26) CLEARLY NOTE THE STATEMENT "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."

NPDES Permit Part IV.E. Reporting:

1. THE APPLICABLE PERMITTEES ARE REQUIRED TO SUBMIT THE SAMPLING RESULTS TO THE EPD AT THE ADDRESS SHOWN IN PART I.I.C. BY THE FIFTEENTH DAY OF THE MONTH FOLLOWING THE REPORTING PERIOD...

2. ALL SAMPLING REPORTS SHALL INCLUDE THE FOLLOWING INFORMATION:
a. THE RAINFALL AMOUNT, DATE, EXACT PLACE AND TIME OF SAMPLING OR MEASUREMENTS;
b. THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE SAMPLING AND MEASUREMENTS...

3. THE PERMITTEE SHALL RETAIN A COPY OF THE PROOF OF SUBMITTAL AT THE CONSTRUCTION SITE OR THE PROOF OF SUBMITTAL SHALL BE READILY AVAILABLE AT A DESIGNATED LOCATION FOR COMMENT ON CONSTRUCTION (LAC) UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART IV.I.

INITIAL INSPECTION AND REPORTING:

For common developments that begin construction activity after the effective date of this permit, the primary permittee must retain the design professional who prepared the Erosion, Sedimentation and Pollution Control Plan...

MINIMUM QUALIFICATIONS OF INSPECTORS:

"Designing Professional" means a professional licensed by the state of GA in the field of engineering, architecture, landscape architecture, forestry, geology, or land surveying...

"Certified Professional" means a person who has successfully completed the appropriate certification course approved by the GEORGIA SOIL AND WATER Conservation Commission.

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST

STAND ALONE CONSTRUCTION PROJECTS

Project Name: WHEELER PARK, WHEELER PARK, CLAYTON COUNTY, REGION 4
Address: 1400 SE PARKER RD, CONYERS, GA 30004

Name & email of person filling out checklist: JASON@GEORGIA.CIVIL.COM
Date on plan: 4/15/2024

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. Limits of disturbance shall be no greater than 50 acres at any one time without prior written authorization from the GAEPD District Office.

4. Name and phone number of the 24-hour contact responsible for erosion, sedimentation and pollution controls.

5. Provide the name, address, email address, and phone number of primary permittee.

6. Note total and disturbed acreages of the project or phase under construction.

7. Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.

8. Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.

9. Description of the nature of construction activity and existing site conditions.

10. Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.

11. Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.

12. 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 19 of the permit.

13. 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 19 of the permit.

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 and perimeter control BMPs within 7 days after installation."

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 wetland vegetation or within 25-foot 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 the 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."

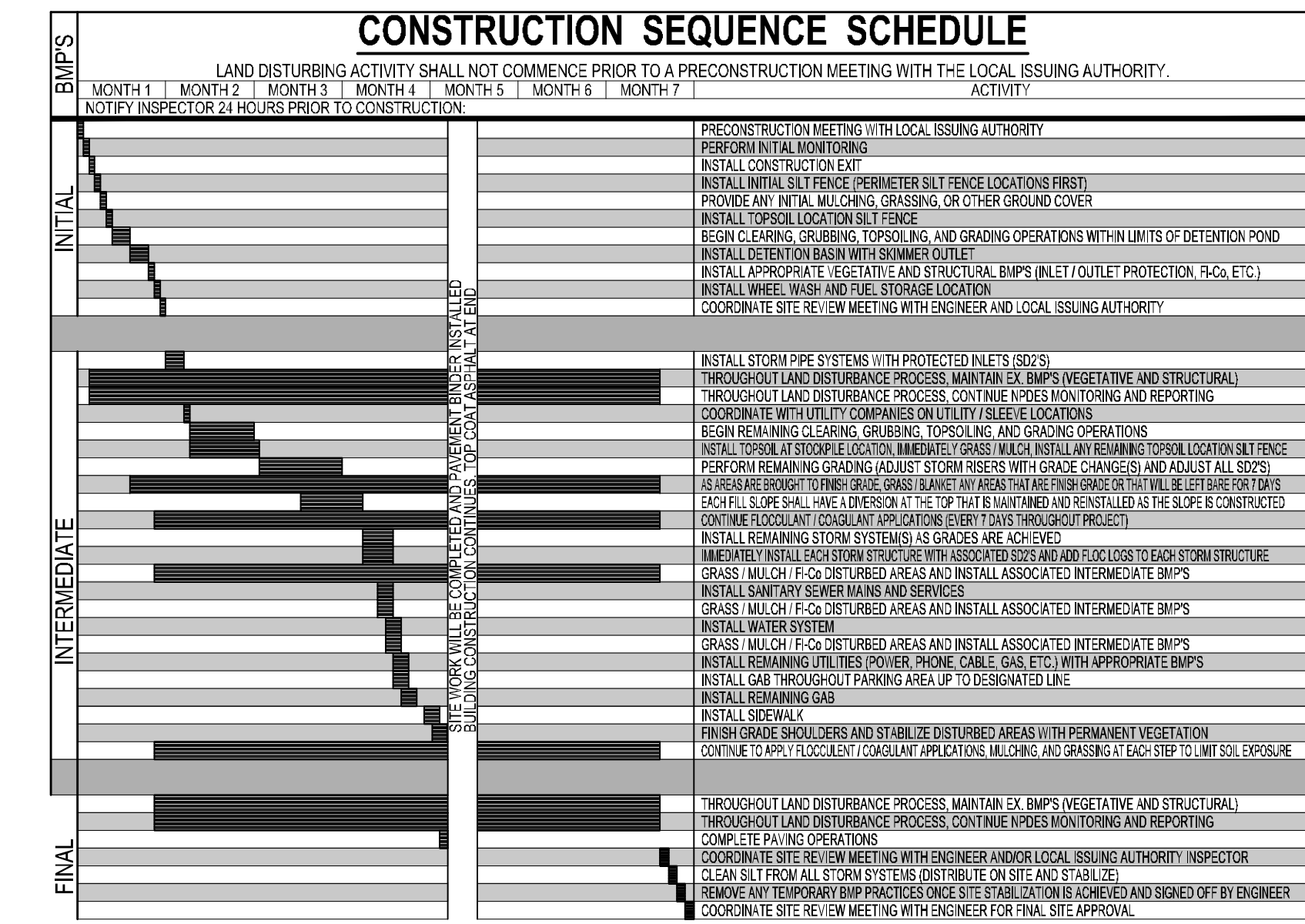
20. Clearly note the statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."

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 Biotri Impaired Stream Segment must comply with Part III. C. of the permit. Include the completed Appendix I 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 trucks, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited."



NEPHELOMETRIC TURBIDITY UNIT (NTU) TABLES
Warm Water (Supporting Warm Water Fisheries)
Surface Water Drainage Area, square miles

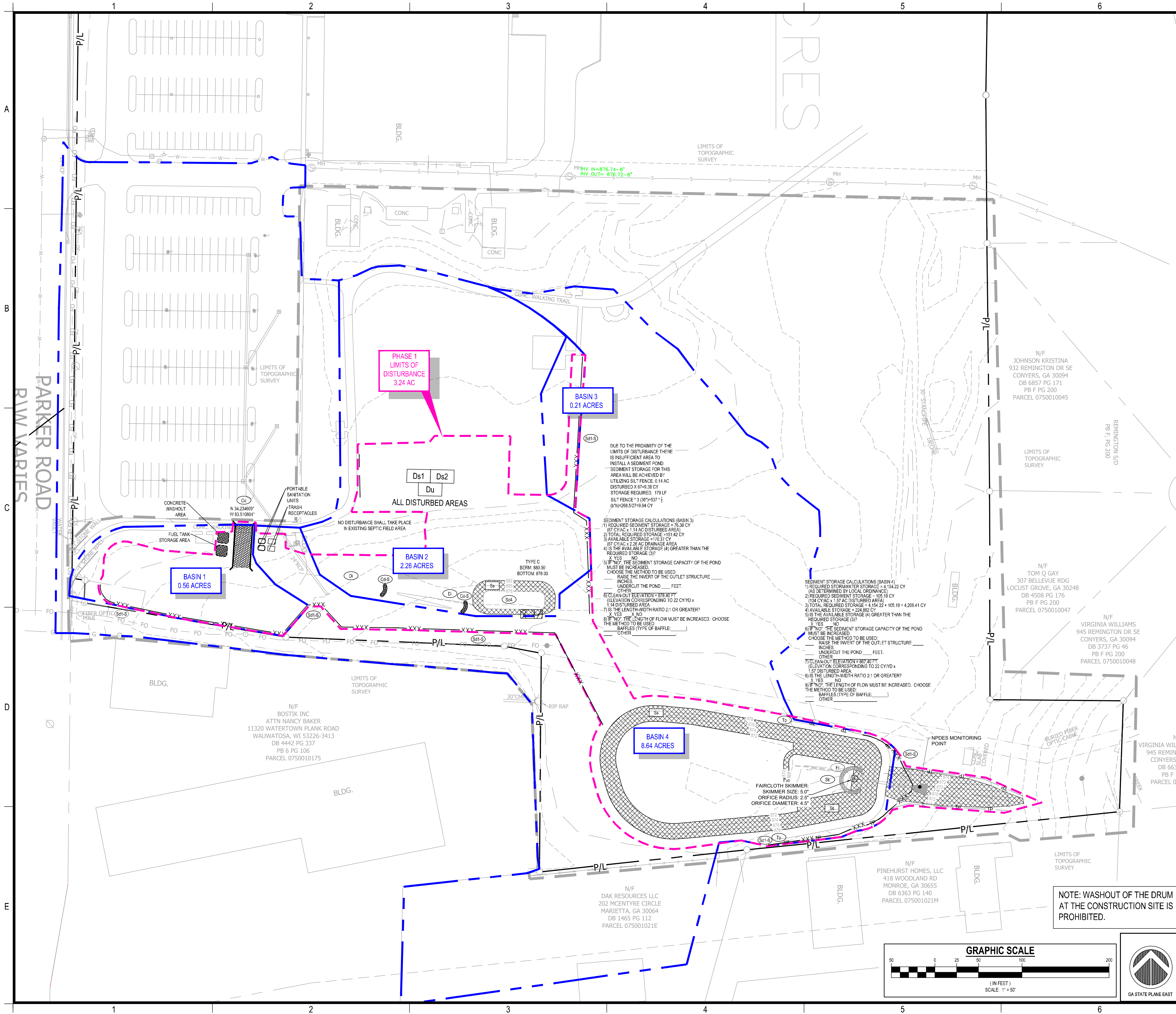
georgia civil CIVIL ENGINEERING LANDSCAPE ARCHITECTURE LAND SURVEYING
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www.georgiacivil.com

Preliminary 04/15/2024 3:37:39 PM
W.P. BROWN
Project Information

WHEELER PARK
1400 SE PARKER RD
CONYERS, GA 30004
ZONING: I-D

DRAWING DATE: 4/15/2024
DRAWN BY: MSF
CHECKED BY: JPB
REVISIONS
DATE: DESCRIPTION:

EROSION SEDIMENTATION & POLLUTION CONTROL NOTES
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Effective January 1, 2023



GEORGIA UNIFORM CODING SYSTEM SOIL EROSION & SEDIMENT CONTROL					
STRUCTURAL PRACTICES					
Code	Practice	Symbol	Code	Practice	Symbol
S41-S	Compact Filter Sock	[Symbol]	S42-S	Inlet Sediment Trap (Gravel Drip Filter Protection)	[Symbol]
S42-S	Straw-Bale Check Dams	[Symbol]	S42-P	Inlet Sediment Trap (Curb Inlet Protection)	[Symbol]
S42-S	Stone Check Dams	[Symbol]	S42-S	Inlet Sediment Trap (Soil Inlet Protection)	[Symbol]
Ch-1	Channel Stabilization - Category 1 (Vegetative/Soil)	[Symbol]	S43	Temporary Sediment Basin	[Symbol]
Ch-2	Channel Stabilization - Category 2 (Rip-Rap, Trill)	[Symbol]	S44	Temporary Sediment Basin	[Symbol]
Ch-3	Channel Stabilization - Category 3 (Concrete)	[Symbol]	Sk	Flashing Filter Surface Sediment	[Symbol]
Co	Construction Exit	[Symbol]	S45	Seep Berm	[Symbol]
C	Construction Road Stabilization	[Symbol]	Sr-B	Temporary Stream Crossing (Berm)	[Symbol]
DCA	Stream Diversion Channel (Sloped, Soil or Polyethylene Film)	[Symbol]	Sr-C	Temporary Stream Crossing (Culvert)	[Symbol]
D-C	Stream Diversion Channel (Concrete)	[Symbol]	St	Storm Drain Outlet Protection	[Symbol]
D-C	Stream Diversion Channel (Class I Rip-Rap and Concrete)	[Symbol]	Su	Surface Roughening	[Symbol]
Di	Diversion	[Symbol]	Tc-F	Turbidity Curtain (Floating)	[Symbol]
Dn1	Temporary Downcut Structure	[Symbol]	Tc-S	Turbidity Curtain (Subsoil)	[Symbol]
Dn2	Permanent Downcut Structure	[Symbol]	Ts	Tossling	[Symbol]
F	Fiber Rig	[Symbol]	Wt	Vegetated Waterway or Stormwater Conveyance Channel	[Symbol]
Ga	Gabion	[Symbol]	VEGETATIVE MEASURES		
G	Grade Stabilization Structure	[Symbol]	Bf	Buffer Zone	[Symbol]
Lv	Level Spreader	[Symbol]	Cs	Coastal Dune Stabilization (w/ Vegetation)	[Symbol]
Ra	Rock Filter	[Symbol]	Ds1	Disturbed Area Stabilization (w/ Mulch and Seeding)	[Symbol]
Ra	Reinforcing Wall	[Symbol]	Ds2	Disturbed Area Stabilization (w/ Temporary Seeding)	[Symbol]
Rd-B	Rollout (Stable Board Dam w/ Stone or Fiber Fabric)	[Symbol]	Ds3	Disturbed Area Stabilization (w/ Permanent Vegetation)	[Symbol]
Rd-P	Rollout (Perforated Half Round Pipe w/ Stone Filter)	[Symbol]	Ds4	Disturbed Area Stabilization (w/ Seeding)	[Symbol]
Rd-S	Rollout (St-Concrete Gate)	[Symbol]	Du	Dust Control on Disturbed Areas	[Symbol]
S1-BB	Sediment Barrier (Type A Brush Barrier)	[Symbol]	Fl-Co	Flocculants	[Symbol]
S1-NS	Sediment Barrier (Type B Non-Synthetic Areas)	[Symbol]	Sb	Streambank Stabilization (Using Permanent Vegetation)	[Symbol]
S1-S	Sediment Barrier (Type C Synthetic Areas)	[Symbol]	Ss	Slope Stabilization (Using Erosion Control Products (ECPs))	[Symbol]
S1-T	Sediment Barrier (Type D Synthetic Filter Media Sock)	[Symbol]	Tac-1	Tackifiers, Type I (Synthetic Fibers)	[Symbol]
S2-B	Inlet Sediment Trap (Baffle Box)	[Symbol]	Tac-2	Tackifiers, Type II (Synthetic Fibers)	[Symbol]
S2-B	Inlet Sediment Trap (Block & Gravel)	[Symbol]	Tac-3	Tackifiers, Type III (Synthetic Fibers)	[Symbol]
S2-S	Inlet Sediment Trap (Excavated and Backfilled)	[Symbol]	Tac-4	Tackifiers, Type IV (Synthetic Fibers)	[Symbol]
S2-T	Inlet Sediment Trap (Supporting Frame)	[Symbol]	Tac-5	Tackifiers, Type V (Synthetic Fibers)	[Symbol]

Maintenance of all soil erosion and sedimentation control measures and practices, whether temporary or permanent, shall be at all times the responsibility of the property owner.

GSWCC EROSION CONTROL NOTES:

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

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.

Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding.

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

OWNER/DEVELOPER

COMPANY: ROCKDALE COUNTY
ADDRESS: P.O. BOX 289
CONYERS, GA 30012
PHONE: (770) 278-7293
CONTACT: BRITANNY KONOPKA
EMAIL: BRITANNY.KONOPKA@ROCKDALECOUNTYGA.GOV

CONTRACTOR

COMPANY: TBD
ADDRESS: TBD

SURVEYOR

COMPANY: PATRICK & ASSOCIATES
ADDRESS: 928 BLACKLAWN RD SW,
CONYERS, GA 30094
PHONE: 770-483-9745
CONTACT: JAMES S. HULL
EMAIL: TRELOG@AOL.COM

SITE DESIGNER

COMPANY: GEORGIA CIVIL, INC.
ADDRESS: P.O. BOX 896
MADISON, GA 30650
PHONE: 706.342.1104

REFER TO SHEET C-1.1 AND C-6.1 FOR EROSION, SEDIMENTATION, AND POLLUTION CONTROL NOTES

OWNER/DEVELOPER

JASON P. BROWN
LEVEL II CERTIFIED DESIGN PROFESSIONAL
#53274 - EXP. 05.01.2026

24-HOUR CONTACT

JASON BROWN
(770) 717-9972

CONTACT 811 before you dig

REVISIONS

DATE:	DESCRIPTION:

DRAWING DATE: 4/15/2024
DRAWN BY: MSF
CHECKED BY: JPB

NOTE: WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.

georgia civil
CIVIL ENGINEERING
LANDSCAPE ARCHITECTURE
LAND SURVEYING

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P.O. Box 896 | Madison, GA 30650
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Professional Seal

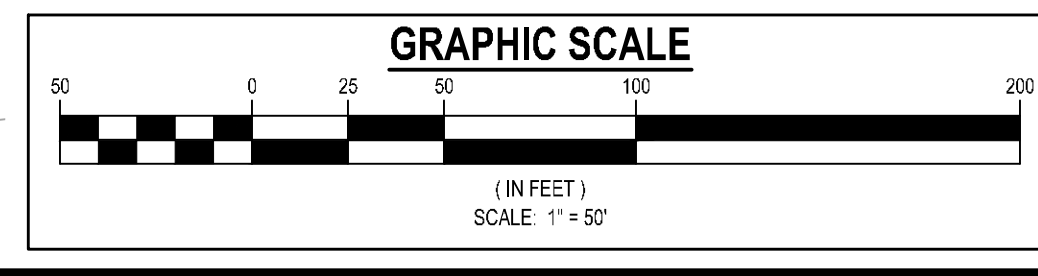
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W.P. BROWN

Project Information

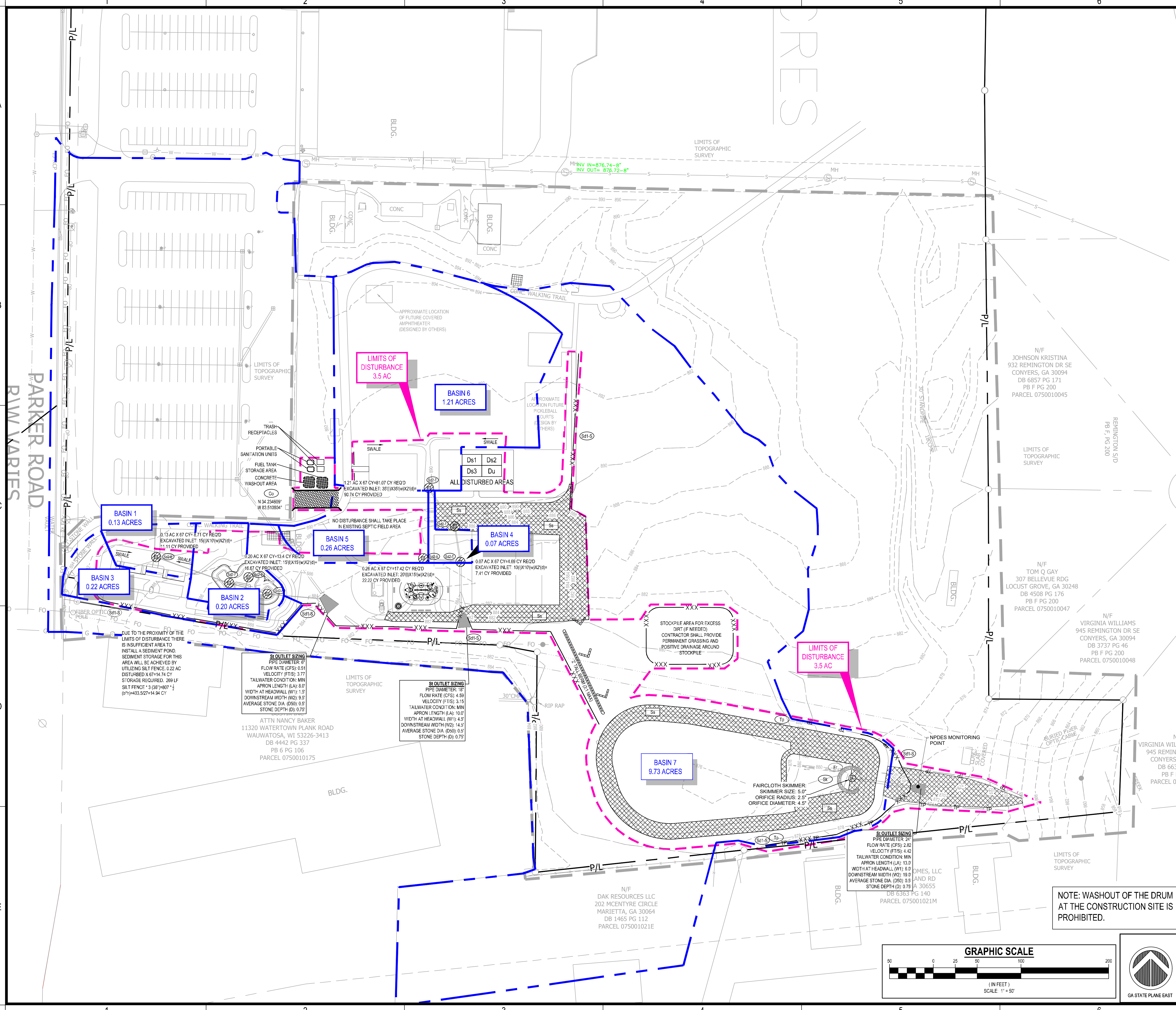
WHEELER PARK
1400 SE PARKER RD
CONYERS, GA 30094
ZONING: I-D

INTERMEDIATE EROSION SEDIMENTATION & POLLUTION CONTROL PLAN

Sheet Number
C-6.3



GEORGIA UNIFORM CODING SYSTEM SOIL EROSION & SEDIMENT CONTROL					
STRUCTURAL PRACTICES					
Code	Practice	Symbol	Code	Practice	Symbol
S21-S	Compost Filter Sock	[Symbol]	S21-S	Inlet Sediment Trap (Gravel Drip Protection)	[Symbol]
S22-P	Straw-Bale Check Dams	[Symbol]	S22-P	Inlet Sediment Trap (Curb Inlet Protection)	[Symbol]
S23-S	Stone Check Dams	[Symbol]	S23-S	Inlet Sediment Trap (Soil Inlet Protection)	[Symbol]
Ch-1	Channel Stabilization - Category 1 (Vegetative/Soil)	[Symbol]	S24-S	Temporary Sediment Basin	[Symbol]
Ch-2	Channel Stabilization - Category 2 (Rip-Rap, Turbidity Curtains)	[Symbol]	S24-T	Temporary Sediment Trap	[Symbol]
Ch-3	Channel Stabilization - Category 3 (Concrete)	[Symbol]	Sk	Flashing Filter Surface Sill	[Symbol]
Co	Construction Exit	[Symbol]	S25	Seep Berm	[Symbol]
Cr	Construction Road Stabilization	[Symbol]	Sr-B	Temporary Stream Crossing (Berm)	[Symbol]
Dca	Stream Diversion Channel (Concrete)	[Symbol]	Sr-C	Temporary Stream Crossing (Culvert)	[Symbol]
Dcb	Stream Diversion Channel (Concrete/Stone)	[Symbol]	St	Storm Drain Outlet Protection	[Symbol]
Dcc	Stream Diversion Channel (Class 1 Rip-Rap and Concrete)	[Symbol]	Su	Surface Roughening	[Symbol]
D	Diversion	[Symbol]	Tc-F	Turbidity Curtain (Flashing)	[Symbol]
Ds1	Temporary Downcut Structure	[Symbol]	Tc-S	Turbidity Curtain (Stakes)	[Symbol]
Ds2	Permanent Downcut Structure	[Symbol]	Ts	Tossling	[Symbol]
F	Filter Ring	[Symbol]	Wt	Vegetated Waterway or Stormwater Conveyance Channel	[Symbol]
G	Gabion	[Symbol]	VEGETATIVE MEASURES		
G	Grade Stabilization Structure	[Symbol]	Bf	Buffer Zone	[Symbol]
Lv	Level Spreader	[Symbol]	Cs	Coastal Dune Stabilization (w/ Vegetation)	[Symbol]
Ra	Rock Filter Dam	[Symbol]	Ds1	Disturbed Area Stabilization (w/ Mulching Only)	[Symbol]
Rd	Regrading Wall	[Symbol]	Ds2	Disturbed Area Stabilization (w/ Temporary Seeding)	[Symbol]
Rd-B	Retrolift (Stable Board Dam w/ Stone or Filter Fabric)	[Symbol]	Ds3	Disturbed Area Stabilization (w/ Permanent Vegetation)	[Symbol]
Rd-P	Retrolift (Perforated Half Round Pipe w/ Stone Filter)	[Symbol]	Ds4	Disturbed Area Stabilization (w/ Seeding)	[Symbol]
Rd-S	Retrolift (St-Concrete Filter)	[Symbol]	Du	Dust Control on Disturbed Areas	[Symbol]
Sf1-SB	Sediment Barrier (Type I - Brush Barrier)	[Symbol]	Fl-Co	Flammable Coagulants	[Symbol]
Sf1-NS	Sediment Barrier (Type II - Natural Sediment Area)	[Symbol]	Sb	Streambank Stabilization (Using Permanent Vegetation)	[Symbol]
Sf1-S	Sediment Barrier (Type III - Synthetic Sediment Area)	[Symbol]	Ss	Slope Stabilization Control Products (HEC-2)	[Symbol]
Sf1-C	Sediment Barrier (Type IV - Composite Filter Media Sock)	[Symbol]	Tac-1	Tackifiers, Type I (Synthetic Polymers)	[Symbol]
S21-S	Inlet Sediment Trap (Gravel Floor)	[Symbol]	Tac-2	Tackifiers, Type II (Synthetic Polymers)	[Symbol]
S22-S	Inlet Sediment Trap (Block & Gravel)	[Symbol]	Tac-3	Tackifiers, Type III (Synthetic Polymers)	[Symbol]
S23-S	Inlet Sediment Trap (Curb Inlet Protection)	[Symbol]	Tac-4	Tackifiers, Type IV (Synthetic Polymers)	[Symbol]
S24-S	Inlet Sediment Trap (Soil Inlet Protection)	[Symbol]	Tac-5	Tackifiers, Type V (Synthetic Polymers)	[Symbol]



REFER TO SHEET C-1.1 AND C-6.1 FOR EROSION, SEDIMENTATION, AND POLLUTION CONTROL NOTES

Maintenance of all soil erosion and sedimentation control measures and practices, whether temporary or permanent, shall be at all times the responsibility of the property owner.

GSWCC EROSION CONTROL NOTES:

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

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.

Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding.

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

OWNER/DEVELOPER
 COMPANY: ROCKDALE COUNTY
 ADDRESS: P.O. BOX 289
 CONYERS, GA 30012
 PHONE: (770) 278-7293
 CONTACT: BRITTANY KONOPKA
 EMAIL: BRITTANY.KONOPKA@ROCKDALECOUNTYGA.GOV

CONTRACTOR
 COMPANY: TBD
 ADDRESS: TBD

JASON P. BROWN
 LEVEL II CERTIFIED DESIGN PROFESSIONAL
 #53274 - EXP. 05.01.2026

24-HOUR CONTACT
 JASON BROWN
 (770) 717-9972

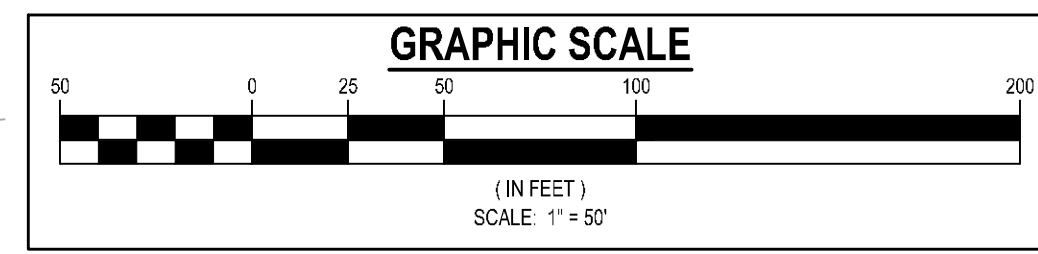
SURVEYOR
 COMPANY: PATRICK & ASSOCIATES
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 PHONE: 770-483-9745
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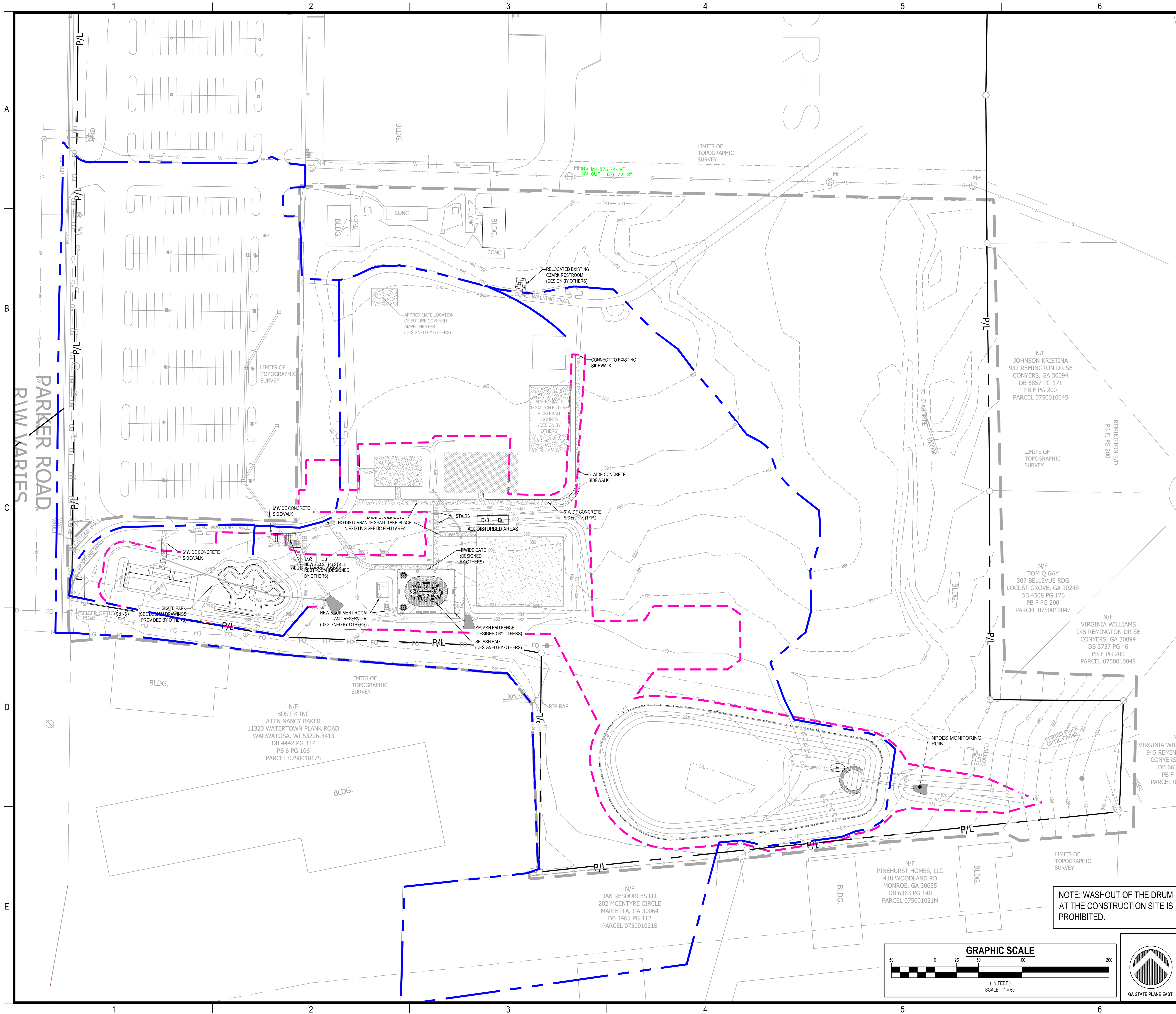
SITE DESIGNER
 COMPANY: GEORGIA CIVIL, INC.
 ADDRESS: P.O. BOX 896
 MADISON, GA 30650
 PHONE: 706.342.1104

CONTACT 811 before you dig

Utilities shown are for Contractor's convenience. Bases are shown schematically and neither the design professional nor the owner assumes any responsibility for utilities in their actual location. This plan may show utilities that do not actually exist on site. Contractor shall be responsible to locate and use the services of a public utility locator firm during the entire course of work and shall pay for such services. Contractor shall locate, identify, and mark any subsurface utilities. Lead workers shall mark the location of all utilities that are to be sealed or protected. Contractor shall notify the design professional of any utility conflicts prior to installation of new utilities, grading, etc. The Contractor, at their expense, shall be responsible to report, replace and/or relocate, as necessary, any utilities damaged, whether shown or not. Agreement, relocation, etc. of utilities shall be coordinated with the respective utility company.

NOTE: WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.





GEORGIA UNIFORM CODING SYSTEM SOIL EROSION & SEDIMENT CONTROL					
STRUCTURAL PRACTICES					
Code	Practice	Symbol	Code	Practice	Symbol
Cd-1	Compost Filter Sock	[Symbol]	Sd-1	Inlet Sediment Trap (Gravel Drop Filter Protection)	[Symbol]
Cd-2	Straw-Bale Check Dams	[Symbol]	Sd-2	Inlet Sediment Trap (Curb Inlet Protection)	[Symbol]
Cd-3	Stone Check Dams	[Symbol]	Sd-3	Inlet Sediment Trap (Soil Inlet Protection)	[Symbol]
Ch-1	Channel Stabilization - Category 1 (Vegetative/Soil)	[Symbol]	Sd-4	Temporary Sediment Basin	[Symbol]
Ch-2	Channel Stabilization - Category 2 (Rip-Rap, Trill)	[Symbol]	Sd-5	Temporary Sediment Trap	[Symbol]
Ch-3	Channel Stabilization - Category 3 (Concrete)	[Symbol]	Sk	Flashing Filter Surface Stormer	[Symbol]
Co	Construction Exit	[Symbol]	Sb	Seep Berm	[Symbol]
Cs	Construction Road Stabilization	[Symbol]	Sr-B	Temporary Stream Crossing (B-ridge)	[Symbol]
Cs-C	Stream Diversion Channel (Sedimentation)	[Symbol]	Sr-C	Temporary Stream Crossing (C-ridge)	[Symbol]
Cs-B	Stream Diversion Channel (Sedimentation)	[Symbol]	St	Storm Drain Outlet Protection	[Symbol]
Cs-C	Stream Diversion Channel (Class 1 Rip-Rap and Concrete)	[Symbol]	Su	Surface Roughening	[Symbol]
Di	Diversion	[Symbol]	Tc-F	Turbidity Curtain (Flooding)	[Symbol]
Dn1	Temporary Downcut Structure	[Symbol]	Tc-S	Turbidity Curtain (Stable)	[Symbol]
Dn2	Permanent Structure	[Symbol]	Ts	Tossing	[Symbol]
Fi	Filter Ring	[Symbol]	Wt	Vegetated Waterway or Stormwater Conveyance Channel	[Symbol]
Ga	Gabion	[Symbol]	VEGETATIVE MEASURES		
Gs	Grade Stabilization Structure	[Symbol]	Bf	Buffer Zone	[Symbol]
Lv	Level Spreader	[Symbol]	Cs	Coastal Dune Stabilization (w/ Vegetation)	[Symbol]
Ra	Rock Filter Dam	[Symbol]	Ds1	Disturbed Area Stabilization (w/ Mulching Only)	[Symbol]
Ra	Reinforcing Wall	[Symbol]	Ds2	Disturbed Area Stabilization (w/ Temporary Seeding)	[Symbol]
Rd-B	Rollout (Slope Guard Dam w/ Stone or Filter Fabric)	[Symbol]	Ds3	Disturbed Area Stabilization (w/ Permanent Vegetation)	[Symbol]
Rd-F	Rollout (Perforated Half-Round Pipe w/ Stone Filter)	[Symbol]	Ds4	Disturbed Area Stabilization (w/ Seeding)	[Symbol]
Rd-Sp	Rollout (St-Geotextile)	[Symbol]	Du	Dust Control on Disturbed Areas	[Symbol]
Sb	Sediment Barrier (Type I - Brush Barrier)	[Symbol]	Fi-Co	Fibrous Coagulants	[Symbol]
Sb-NS	Sediment Barrier (Type II - Non-Sensitive Areas)	[Symbol]	Sb	Streambank Stabilization (Using Permanent Vegetation)	[Symbol]
Sb-S	Sediment Barrier (Type III - Sensitive Areas)	[Symbol]	Ss	Slope Stabilization (Erosion Control Products (ECCP))	[Symbol]
Sb-C	Sediment Barrier (Type IV - Compost Filter Media Sock)	[Symbol]	Tac-1	Tackifiers, Type I (Synthetic Polymers)	[Symbol]
Sd-1	Inlet Sediment Trap (Grill Protection)	[Symbol]	Tac-2	Tackifiers, Type II (Synthetic Polymers)	[Symbol]
Sd-2	Inlet Sediment Trap (Block & Gravel Drop Inlet Protection)	[Symbol]	Tac-3	Tackifiers, Type III (Synthetic Polymers)	[Symbol]
Sd-3	Inlet Sediment Trap (Excavated Inlet Protection)	[Symbol]	Tac-4	Tackifiers, Type IV (Synthetic Polymers w/ Synthetic Fibers)	[Symbol]
Sd-4	Inlet Sediment Trap (Supporting Frame)	[Symbol]	Tac-5	Tackifiers, Type V (Synthetic Polymers w/ Synthetic Fibers)	[Symbol]

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 www.georgiacivil.com
 Professional Seal

Preliminary
 04/15/2024 3:37:40 PM
 W.P. BROWN
 Project Information

WHEELER PARK
 1400 SE PARKER RD
 CONYERS, GA 30094
 ZONING: I-D

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 Any amendments/inventions to the E&S&P Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional.

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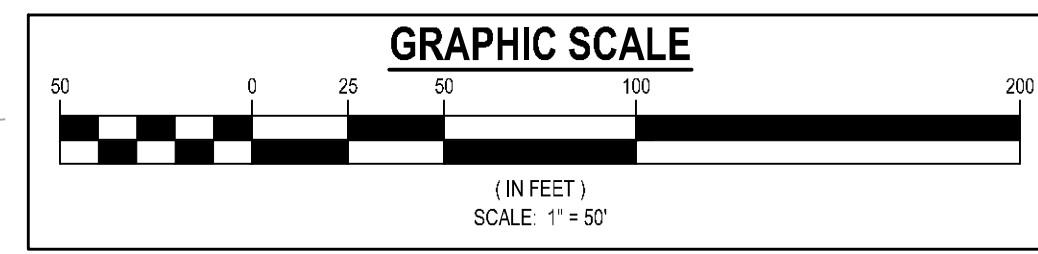
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REFER TO SHEET C-1.1 AND C-6.1 FOR EROSION, SEDIMENTATION, AND POLLUTION CONTROL NOTES

NOTE: WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.



DRAWING DATE:	4/15/2024
DRAWN BY:	MSF
CHECKED BY:	JPB
REVISIONS	
DATE:	DESCRIPTION:

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INTERMEDIATE
 EROSION
 SEDIMENTATION &
 POLLUTION CONTROL
 PLAN

Sheet Number
C-6.5

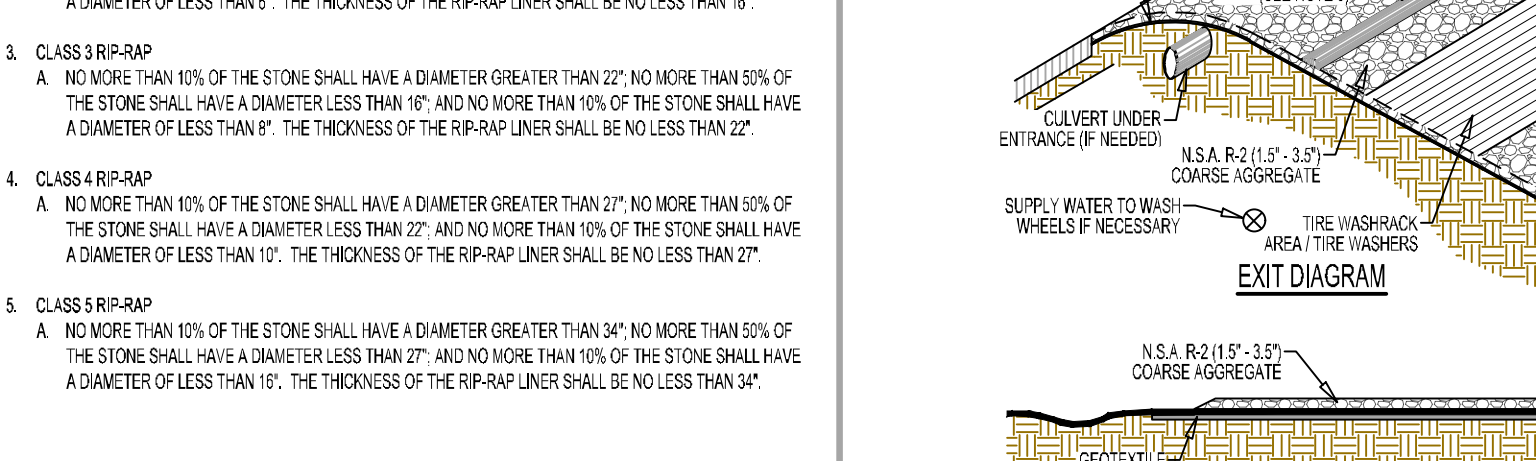
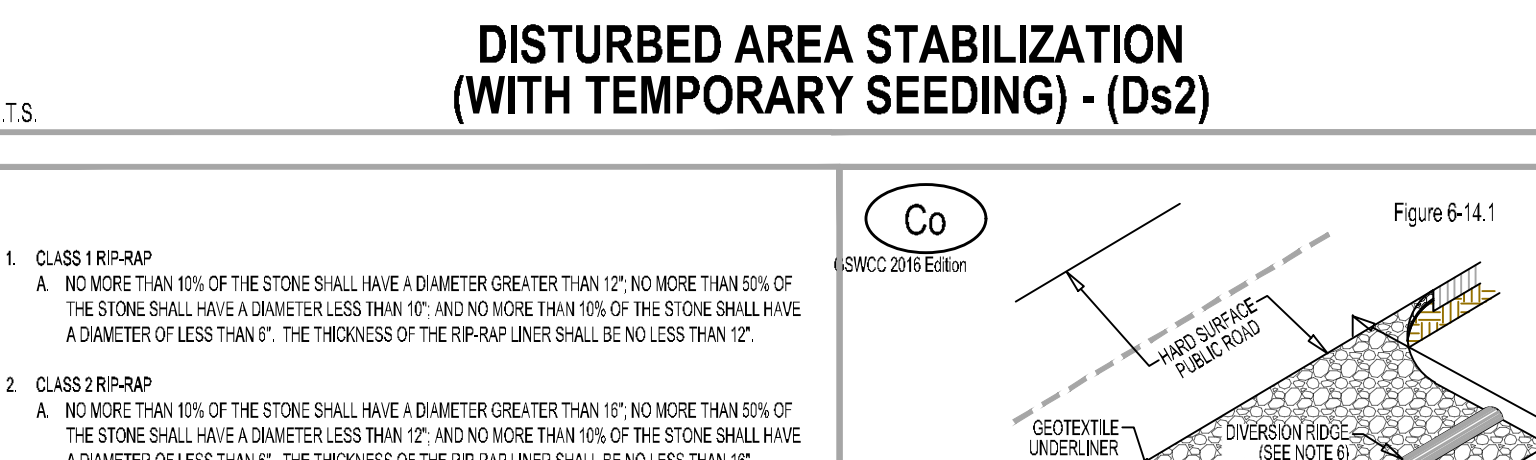
SPECIES	BROADCAST RATES		RESOURCE AREA	PLANTING DATES BY RESOURCE AREA												REMARKS
	Rate Per Acre	Pure Live Seed Per 1000 sq. ft.		F	J	F	M	M	J	J	A	S	O	N	D	
BANJA PINSODA Panicum sp.	100 lbs	1.0	P													Use on wet areas. Do not use on slopes. Do not use in areas with standing water.
BANJA VIMONTINA Panicum sp.	100 lbs	1.0	M-L													Use on wet areas. Do not use on slopes. Do not use in areas with standing water.
BERNIDA COMMON Panicum sp.	100 lbs	1.0	M-L													Use on wet areas. Do not use on slopes. Do not use in areas with standing water.
BERNIDA COMMON Panicum sp.	100 lbs	1.0	M-L													Use on wet areas. Do not use on slopes. Do not use in areas with standing water.

SPECIES	BROADCAST RATES		RESOURCE AREA	PLANTING DATES BY RESOURCE AREA												REMARKS
	Rate Per Acre	Pure Live Seed Per 1000 sq. ft.		F	J	F	M	M	J	J	A	S	O	N	D	
BAMLET Aster sp.	3 lbs	3.3	M-L													14,000 seed per pound. Winter kill. Use on productive soils.
LESPEDeza Lespedeza sp.	40 lbs	0.5	M-L													200,000 seed per pound. Use on slopes. Use on productive soils.
LIVEGRASS WEEDING Eragrostis sp.	10 lbs	0.2	C													Use on slopes. Use on productive soils.
LIVEGRASS WEEDING Eragrostis sp.	4 lbs	0.1	M-L													15,000 seed per pound. May kill on wet areas. Use on productive soils.

SPECIES	BROADCAST RATES		RESOURCE AREA	PLANTING DATES BY RESOURCE AREA												REMARKS
	Rate Per Acre	Pure Live Seed Per 1000 sq. ft.		F	J	F	M	M	J	J	A	S	O	N	D	
MILET BROWDER Panicum sp.	40 lbs	0.5	M-L													147,000 seed per pound. Use on slopes. Use on productive soils.
MILET, PEARL Panicum sp.	50 lbs	1.1	M-L													86,000 seed per pound. Use on slopes. Use on productive soils.
CATS Aster sp.	4 lbs	2.9	M-L													13,000 seed per pound. Use on slopes. Use on productive soils.
RIVE Sida sp.	3 lbs	3.3	M-L													18,000 seed per pound. Use on slopes. Use on productive soils.
RIGOROUS Aster sp.	40 lbs	0.5	M-L													277,000 seed per pound. Use on slopes. Use on productive soils.

SPECIES	BROADCAST RATES		RESOURCE AREA	PLANTING DATES BY RESOURCE AREA												REMARKS
	Rate Per Acre	Pure Live Seed Per 1000 sq. ft.		F	J	F	M	M	J	J	A	S	O	N	D	
RITICALE Aster sp.	3 lbs	3.3	M-L													Use on wet areas. Do not use on slopes. Do not use in areas with standing water.
WHEAT Aster sp.	3 lbs	3.3	M-L													Use on wet areas. Do not use on slopes. Do not use in areas with standing water.
WHEAT Aster sp.	3 lbs	3.3	M-L													Use on wet areas. Do not use on slopes. Do not use in areas with standing water.
WHEAT Aster sp.	3 lbs	3.3	M-L													Use on wet areas. Do not use on slopes. Do not use in areas with standing water.

SPECIES	BROADCAST RATES		RESOURCE AREA	PLANTING DATES BY RESOURCE AREA												REMARKS
	Rate Per Acre	Pure Live Seed Per 1000 sq. ft.		F	J	F	M	M	J	J	A	S	O	N	D	
SUNFLOWER Helianthus sp.	10 lbs	0.2	M-L													277,000 seed per pound. Use on slopes. Use on productive soils.

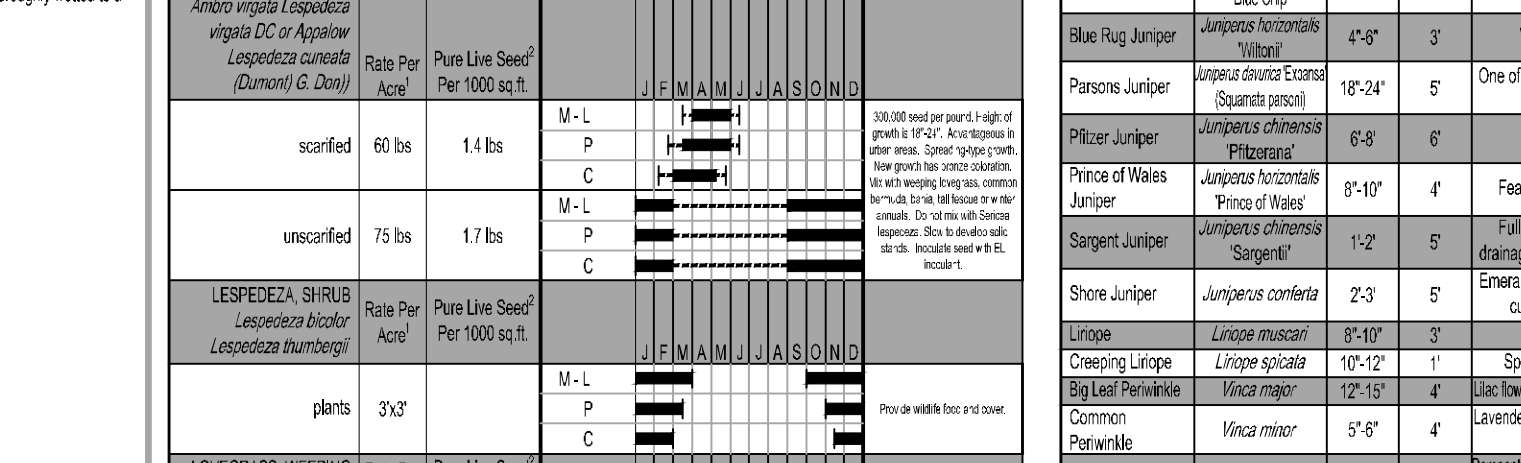


CLASS	DESCRIPTION	MINIMUM DIAMETER	MINIMUM THICKNESS
CLASS 1	NO MORE THAN 10% OF THE STONE SHALL HAVE A DIAMETER GREATER THAN 12" AND NO MORE THAN 5% OF THE STONE SHALL HAVE A DIAMETER GREATER THAN 18" AND NO MORE THAN 1% OF THE STONE SHALL HAVE A DIAMETER GREATER THAN 24".	10"	1.5"
CLASS 2	NO MORE THAN 10% OF THE STONE SHALL HAVE A DIAMETER GREATER THAN 12" AND NO MORE THAN 5% OF THE STONE SHALL HAVE A DIAMETER GREATER THAN 18" AND NO MORE THAN 1% OF THE STONE SHALL HAVE A DIAMETER GREATER THAN 24".	10"	1.5"
CLASS 3	NO MORE THAN 10% OF THE STONE SHALL HAVE A DIAMETER GREATER THAN 12" AND NO MORE THAN 5% OF THE STONE SHALL HAVE A DIAMETER GREATER THAN 18" AND NO MORE THAN 1% OF THE STONE SHALL HAVE A DIAMETER GREATER THAN 24".	10"	1.5"
CLASS 4	NO MORE THAN 10% OF THE STONE SHALL HAVE A DIAMETER GREATER THAN 12" AND NO MORE THAN 5% OF THE STONE SHALL HAVE A DIAMETER GREATER THAN 18" AND NO MORE THAN 1% OF THE STONE SHALL HAVE A DIAMETER GREATER THAN 24".	10"	1.5"
CLASS 5	NO MORE THAN 10% OF THE STONE SHALL HAVE A DIAMETER GREATER THAN 12" AND NO MORE THAN 5% OF THE STONE SHALL HAVE A DIAMETER GREATER THAN 18" AND NO MORE THAN 1% OF THE STONE SHALL HAVE A DIAMETER GREATER THAN 24".	10"	1.5"

SPECIES	BROADCAST RATES		RESOURCE AREA	PLANTING DATES BY RESOURCE AREA												REMARKS
	Rate Per Acre	Pure Live Seed Per 1000 sq. ft.		F	J	F	M	M	J	J	A	S	O	N	D	
BERNIDA COMMON Panicum sp.	100 lbs	1.0	M-L													Use on wet areas. Do not use on slopes. Do not use in areas with standing water.
BERNIDA COMMON Panicum sp.	100 lbs	1.0	M-L													Use on wet areas. Do not use on slopes. Do not use in areas with standing water.

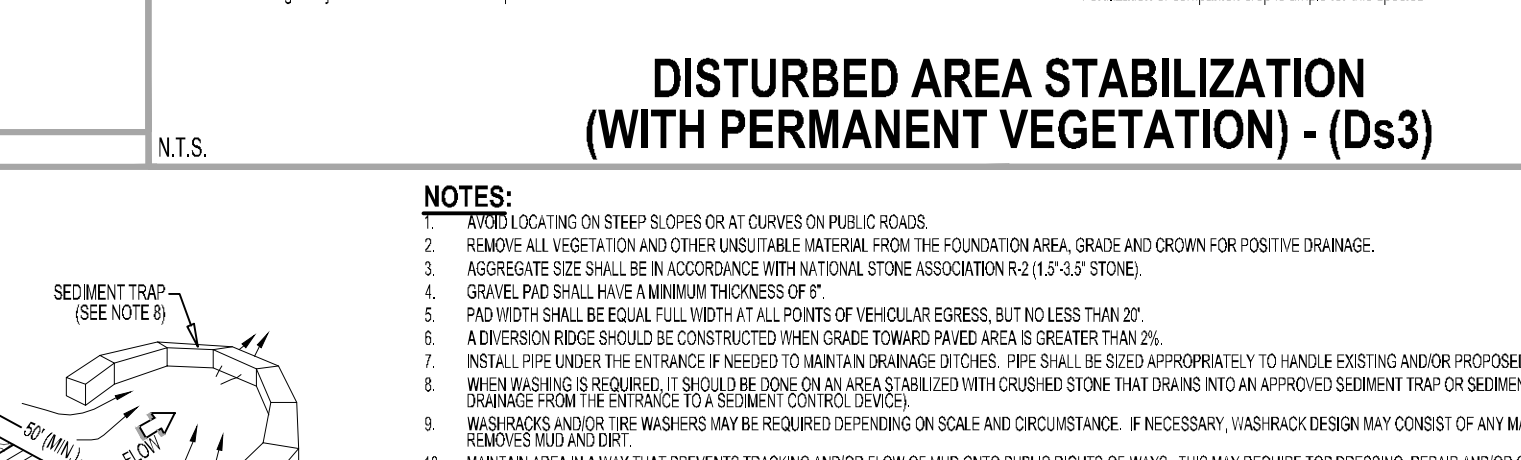
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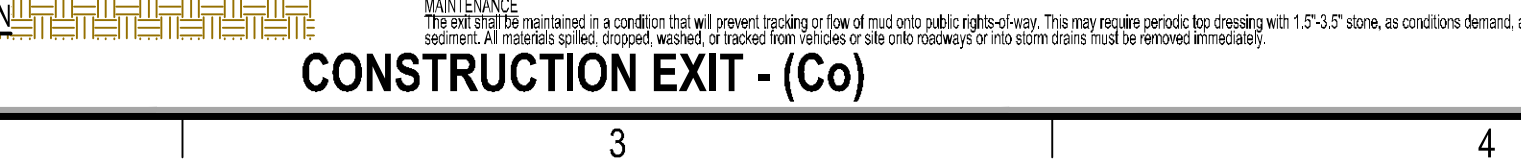


SITE	SLOPE	SOILS	PLANTING TREE SPECIES	SPACING	PLANTING DATES	REMARKS

SPECIES	BROADCAST RATES		RESOURCE AREA	PLANTING DATES BY RESOURCE AREA												REMARKS
	Rate Per Acre	Pure Live Seed Per 1000 sq. ft.		F	J	F	M	M	J	J	A	S	O	N	D	
BERNIDA COMMON Panicum sp.	100 lbs	1.0	M-L													Use on wet areas. Do not use on slopes. Do not use in areas with standing water.



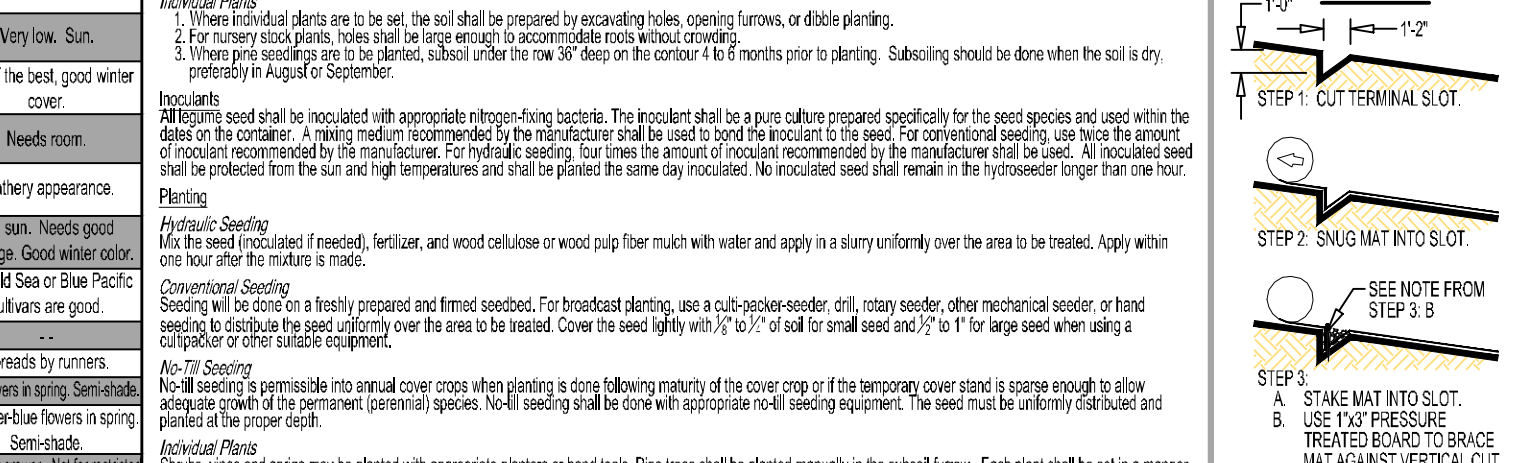
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CLASS 5	NO MORE THAN 10% OF THE STONE SHALL HAVE A DIAMETER GREATER THAN 12" AND NO MORE THAN 5% OF THE STONE SHALL HAVE A DIAMETER GREATER THAN 18" AND NO MORE THAN 1% OF THE STONE SHALL HAVE A DIAMETER GREATER THAN 24".	10"	1.5"



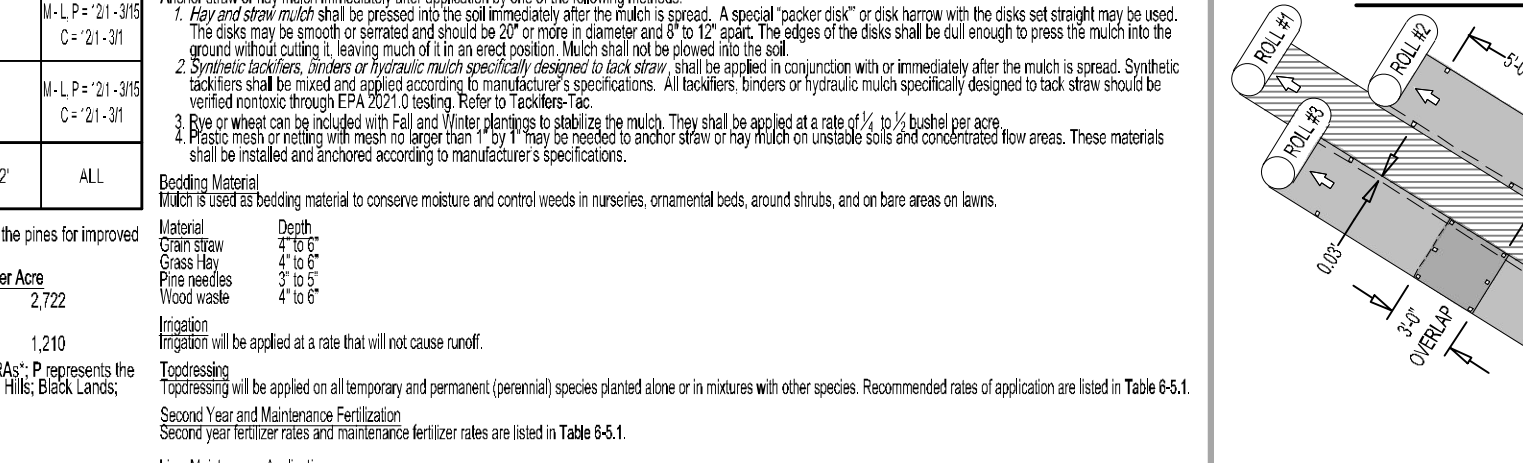
TYPE OF SPECIES	YEAR	ANALYSIS OR EQUIPMENT	RATE	TOP DRESSING	DATE	REMARKS

SPECIES	BROADCAST RATES		RESOURCE AREA	PLANTING DATES BY RESOURCE AREA												REMARKS
	Rate Per Acre	Pure Live Seed Per 1000 sq. ft.		F	J	F	M	M	J	J	A	S	O	N	D	
BERNIDA COMMON Panicum sp.	100 lbs	1.0	M-L													Use on wet areas. Do not use on slopes. Do not use in areas with standing water.

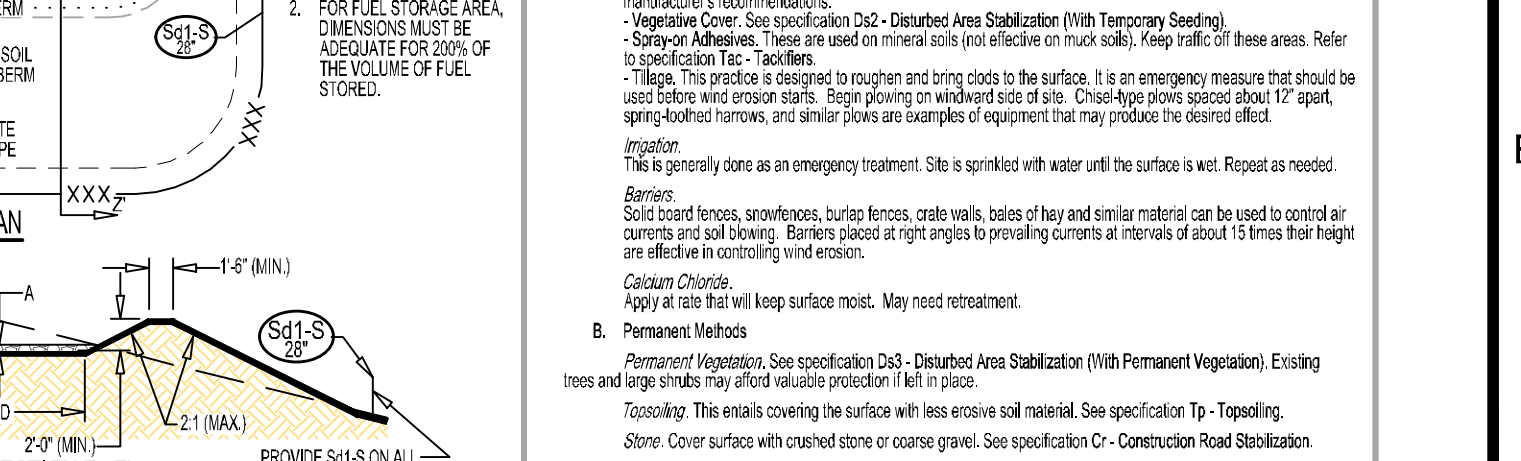
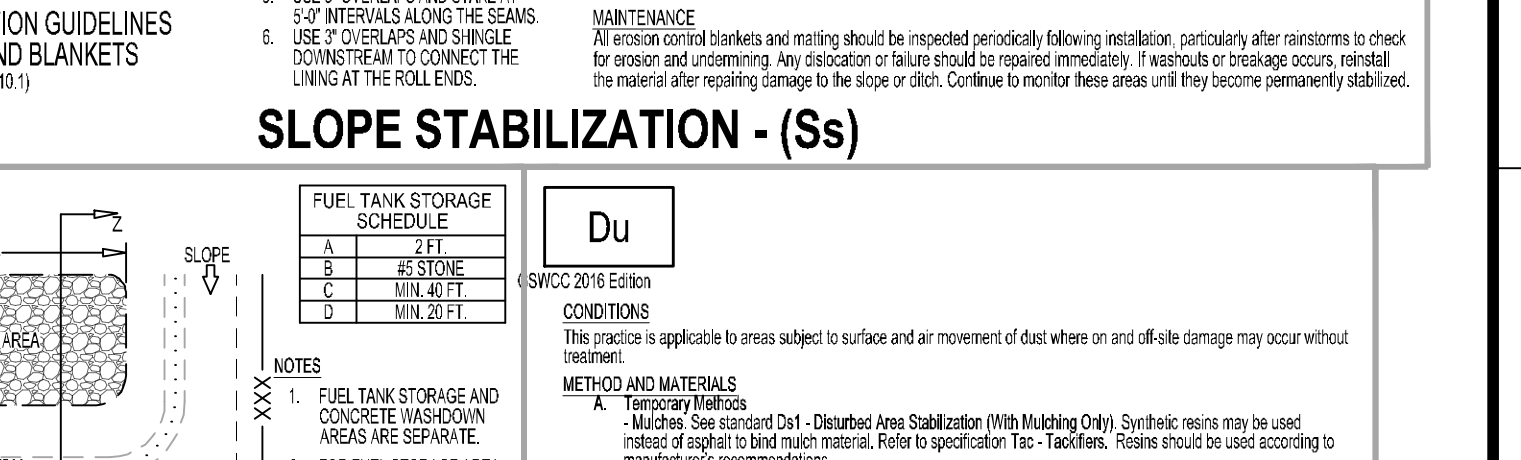
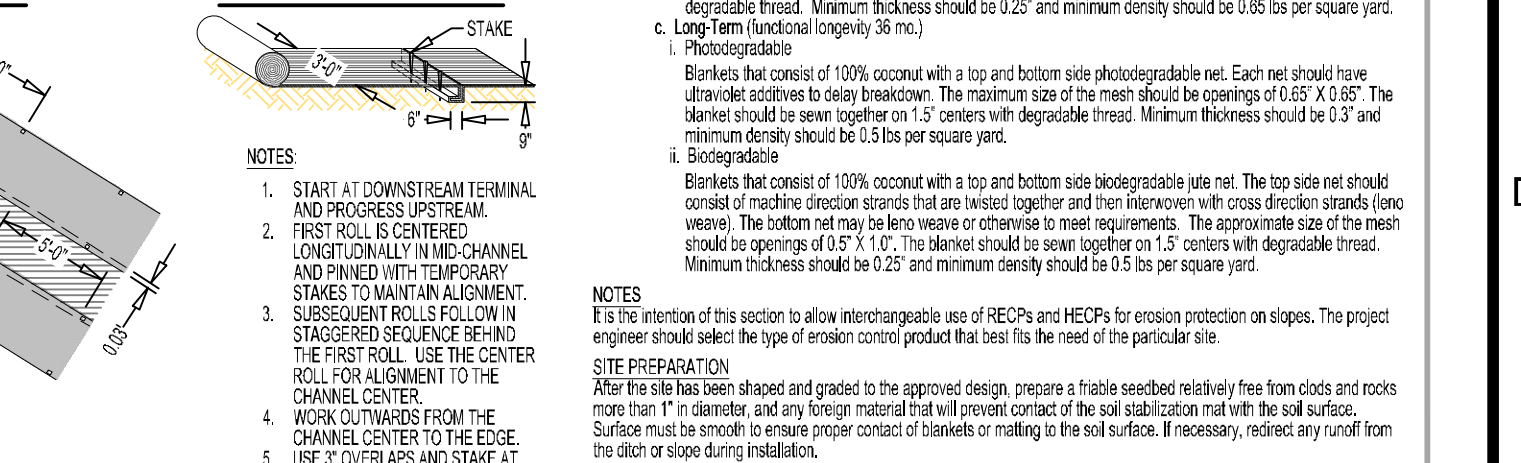
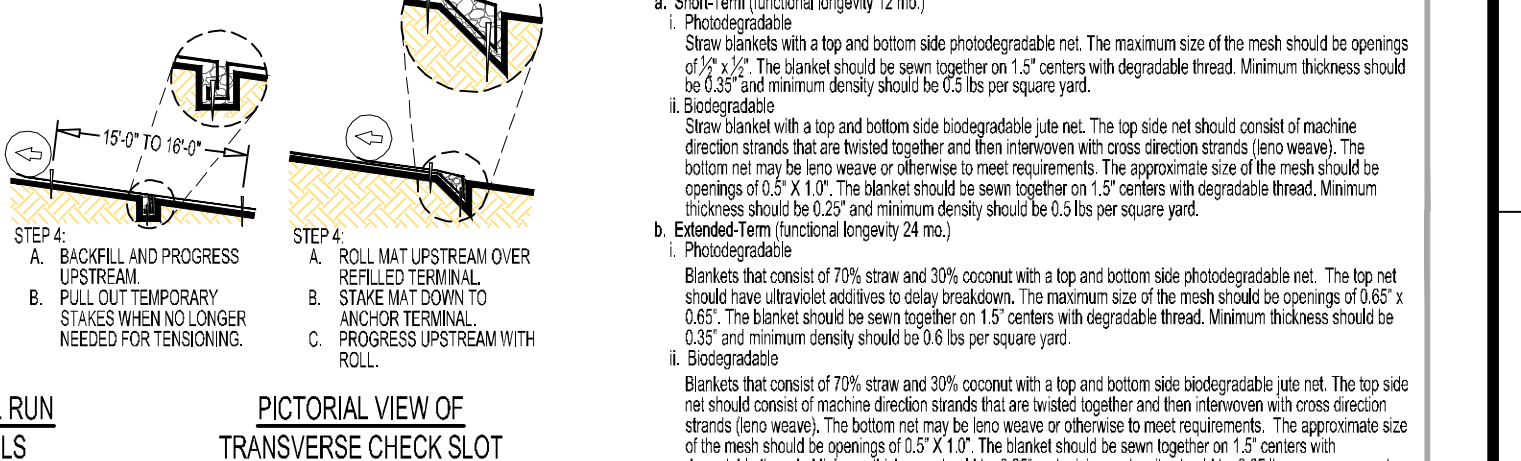
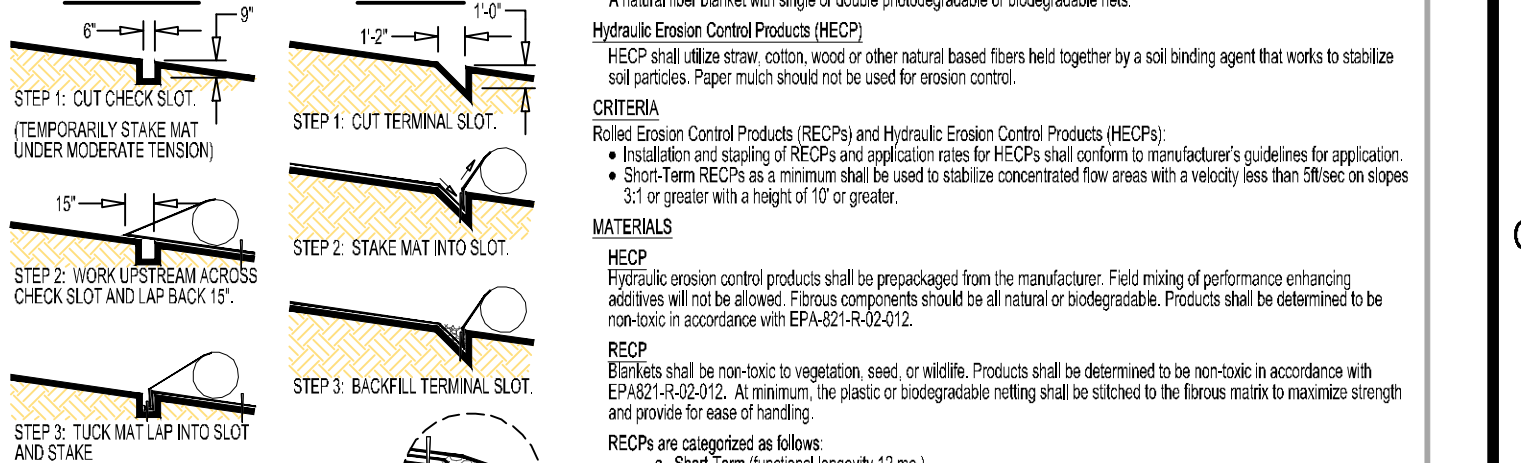
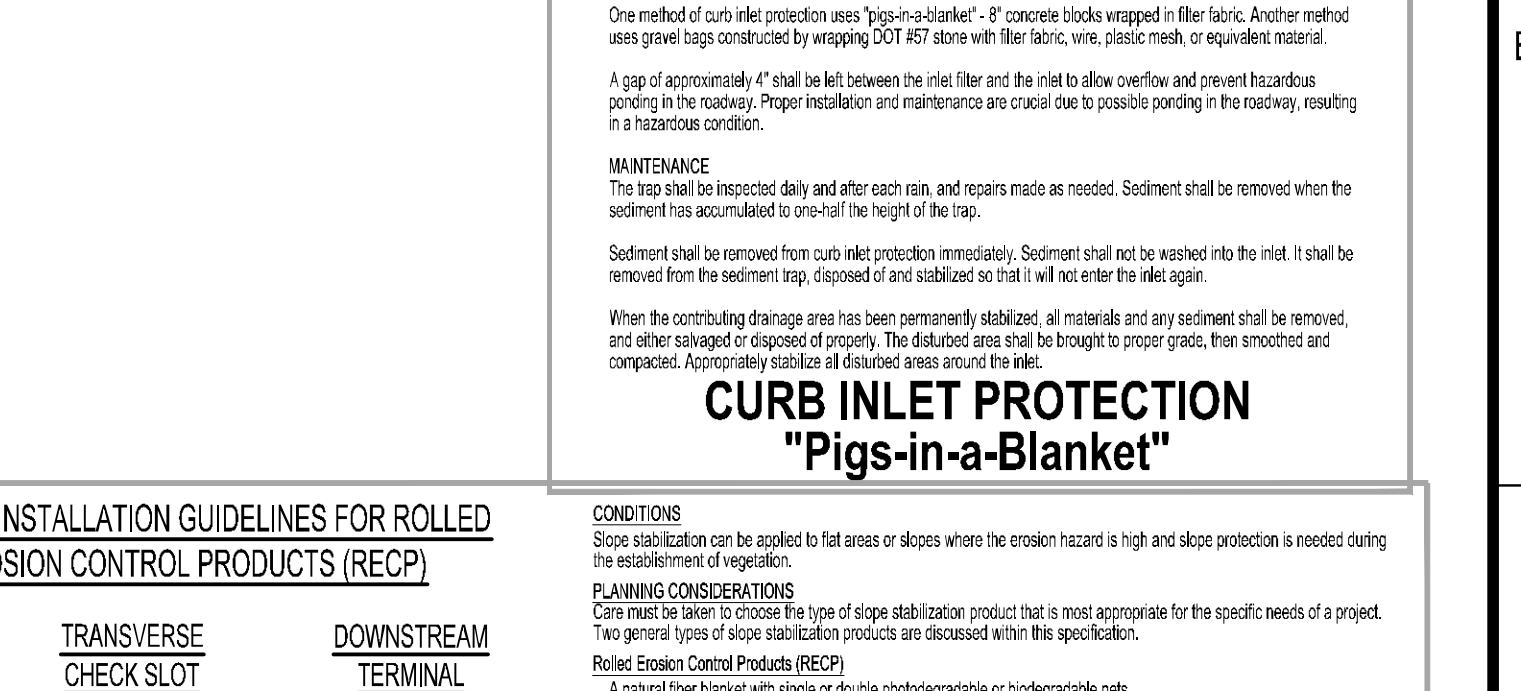
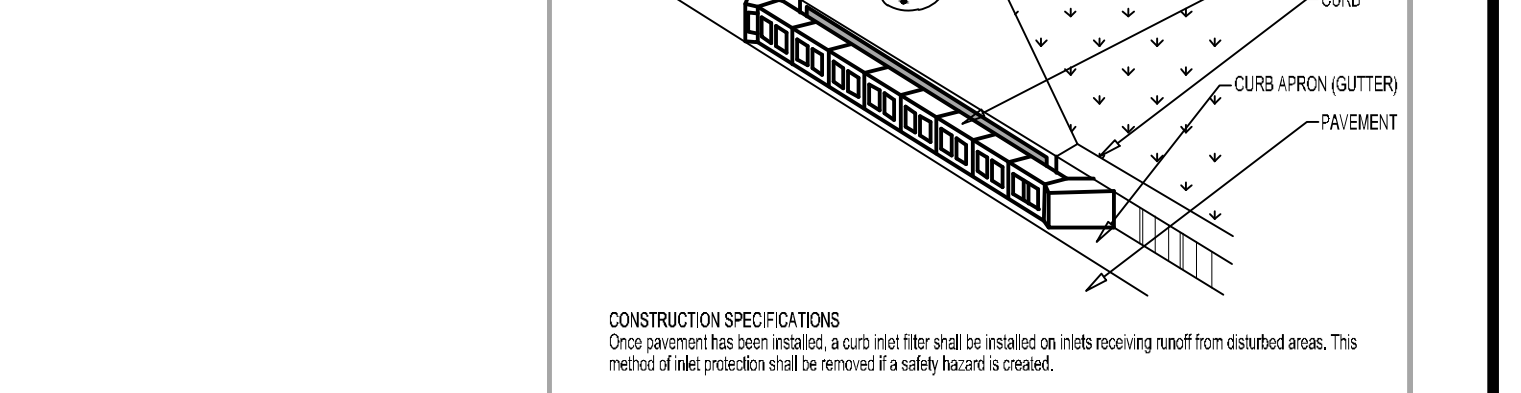
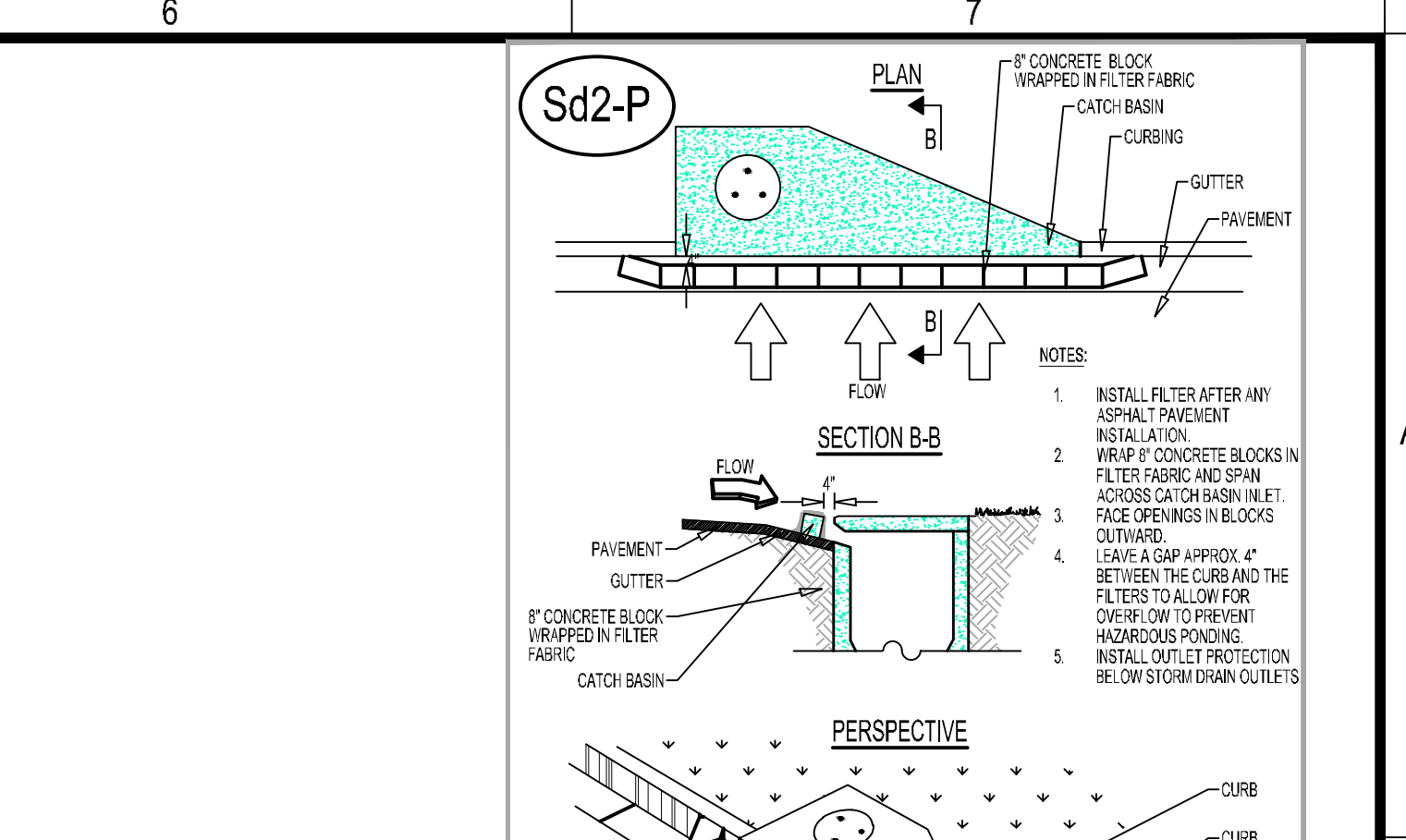
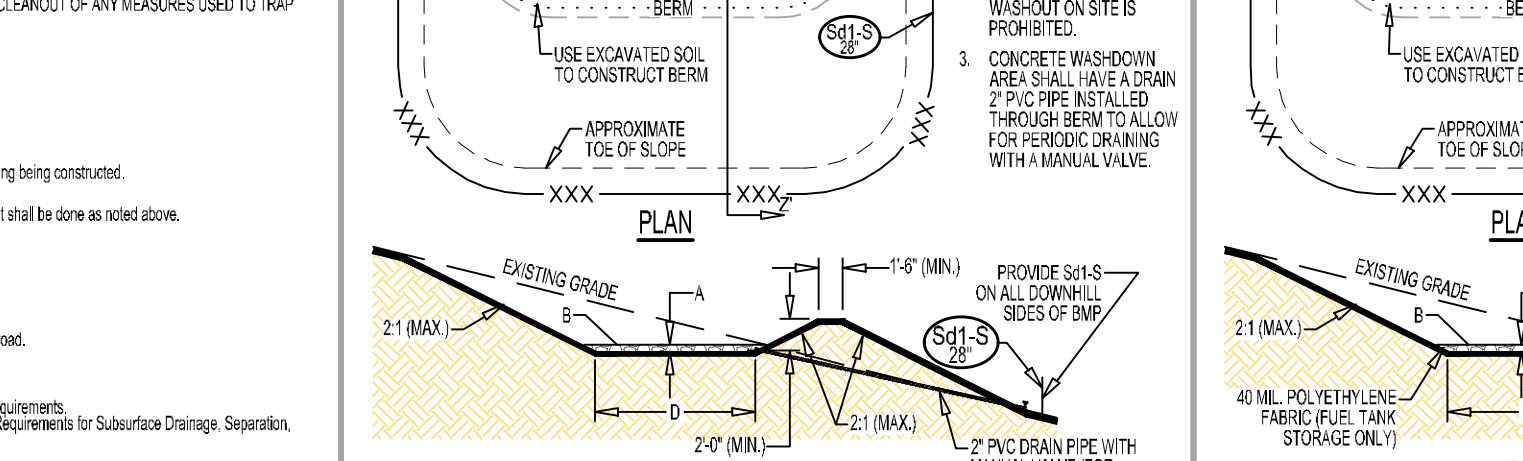
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BERNIDA COMMON Panicum sp.	100 lbs	1.0	M-L													Use on wet areas. Do not use on slopes. Do not use in areas with standing water.



SPECIES	BROADCAST RATES		RESOURCE AREA	PLANTING DATES BY RESOURCE AREA												REMARKS
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SPECIES	BROADCAST RATES		RESOURCE AREA	PLANTING DATES BY RESOURCE AREA												REMARKS
	Rate Per Acre	Pure Live Seed Per 1000 sq. ft.		F	J	F	M	M	J	J	A	S	O	N	D	
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WHEELER PARK
1400 SE PARKER RD
CONYERS, GA 30004
ZONING: I-D

DRAWING DATE: 4/15/2024
DRAWN BY: MSF
CHECKED BY: JPB

REVISIONS
DATE: DESCRIPTION:

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EROSION
SEDIMENTATION &
POLLUTION CONTROL
DETAILS

C-6.6

A

B

C

D

E

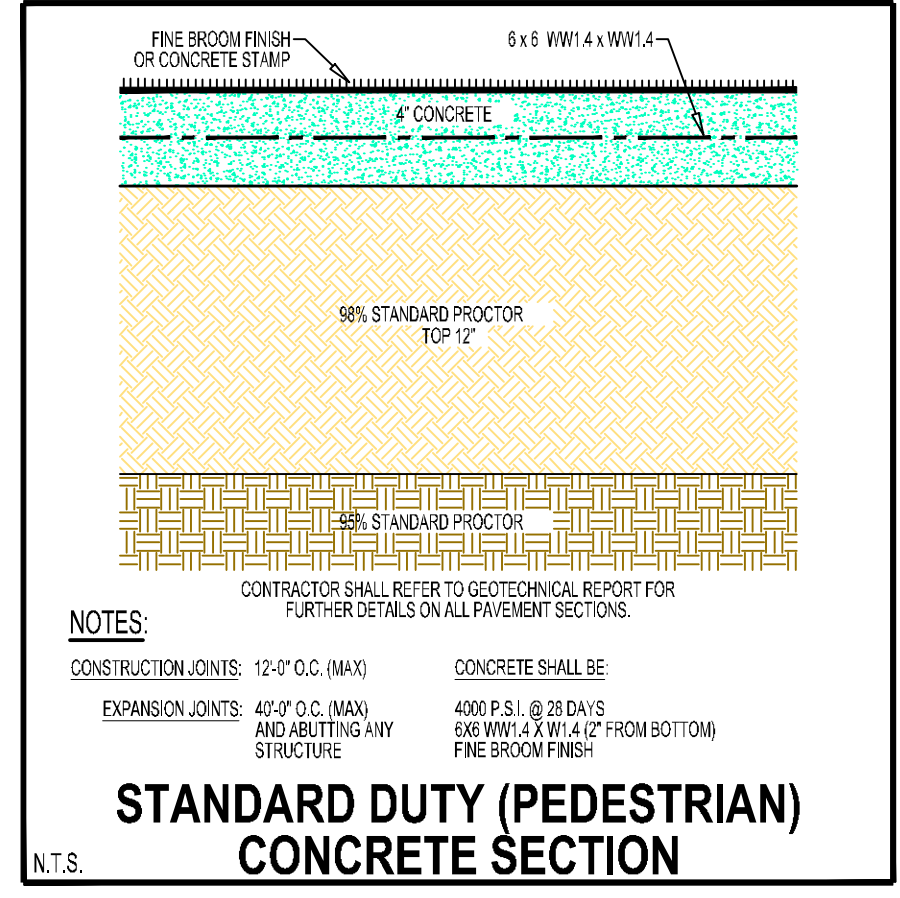
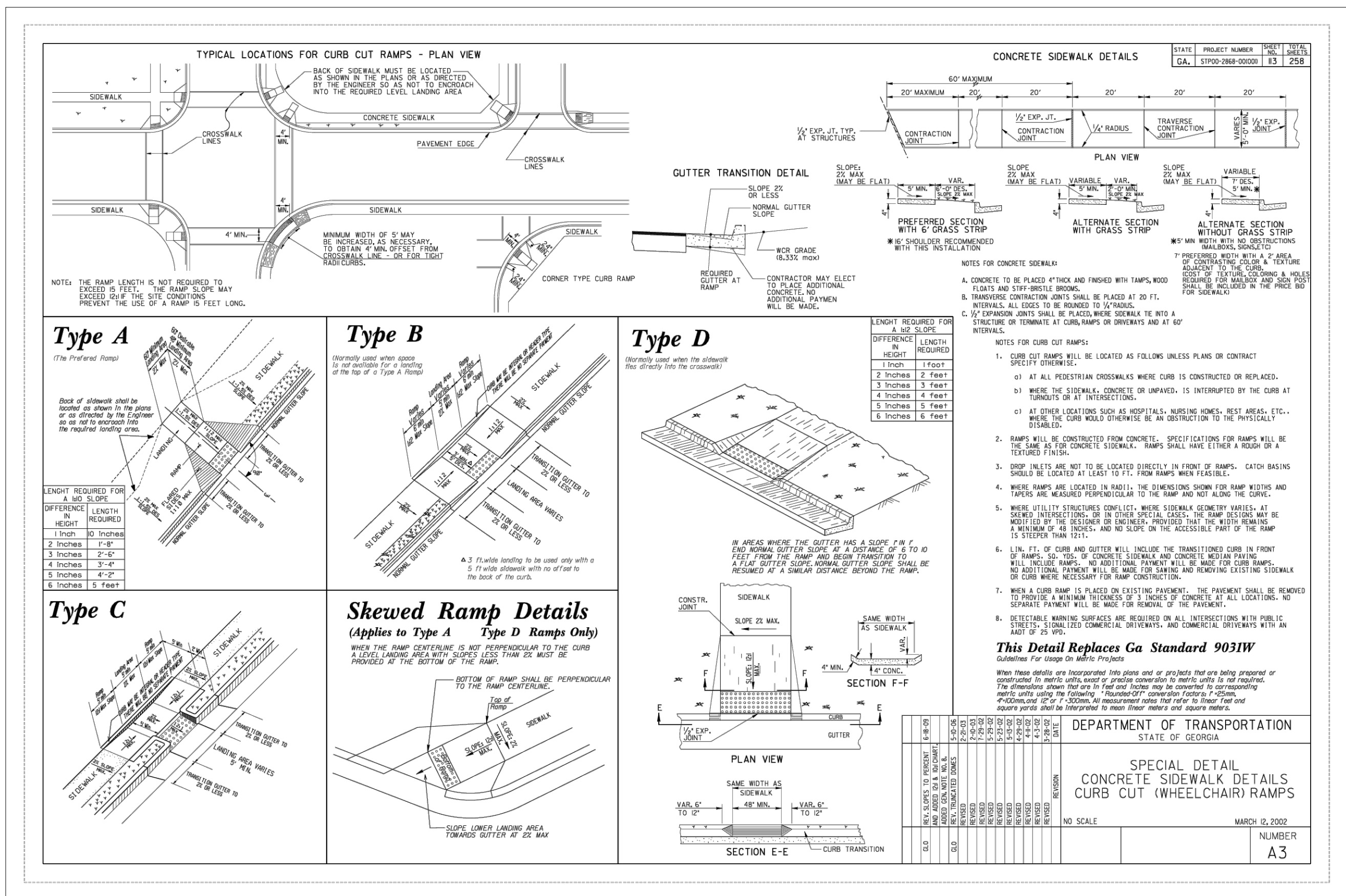
A

B

C

D

E



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04/15/2024 3:37:41 PM
W.P. BROWN

Project Information

WHEELER PARK
1400 SE PARKER RD
CONYERS, GA 30094
ZONING: I-D

OWNER/DEVELOPER
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ADDRESS: P.O. BOX 289
CONYERS, GA 30012
PHONE: (770) 278-7293
CONTACT: BRITTANY KONOPKA
EMAIL: BRITTANY.KONOPKA@ROCKDALECOUNTYGA.GOV

CONTRACTOR
COMPANY: TBD
ADDRESS: TBD

SURVEYOR
COMPANY: PATRICK & ASSOCIATES
ADDRESS: 928 BLACKLAWN RD SW,
CONYERS, GA 30094
PHONE: 770-483-9745
CONTACT: JAMES S. HULL
EMAIL: TREYLOG@AOL.COM

SITE DESIGNER
COMPANY: GEORGIA CIVIL, INC.
ADDRESS: P.O. BOX 896
MADISON, GA 30650
PHONE: 706.342.1104

JASON P. BROWN
LEVEL II CERTIFIED
DESIGN PROFESSIONAL
#53274 - EXP. 05.01.2026

24-HOUR CONTACT
JASON BROWN
(770) 717-9972

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Utilites shown are for Contractor's convenience. Items are shown schematically and neither the site design professional nor the owner assumes any responsibility for utilities in their actual location. This plan may not show and/or may incorrectly show utilities located on site. Contractor shall be responsible to locate and use the services of a public utility locator firm during the entire course of work and shall pay for such services. Contractor shall locate utilities prior to any disturbance including lead working location and depth of utilities that are to be saved and protected. Contractor shall notify the design professional of any utility conflicts prior to installation of new utilities, grading, etc. The Contractor, all their subs, shall be responsible to report, replace and/or relocate, as necessary, any utilities damaged, whether shown or not. Agreement, relocation, etc. of utilities shall be coordinated with the respective utility company.

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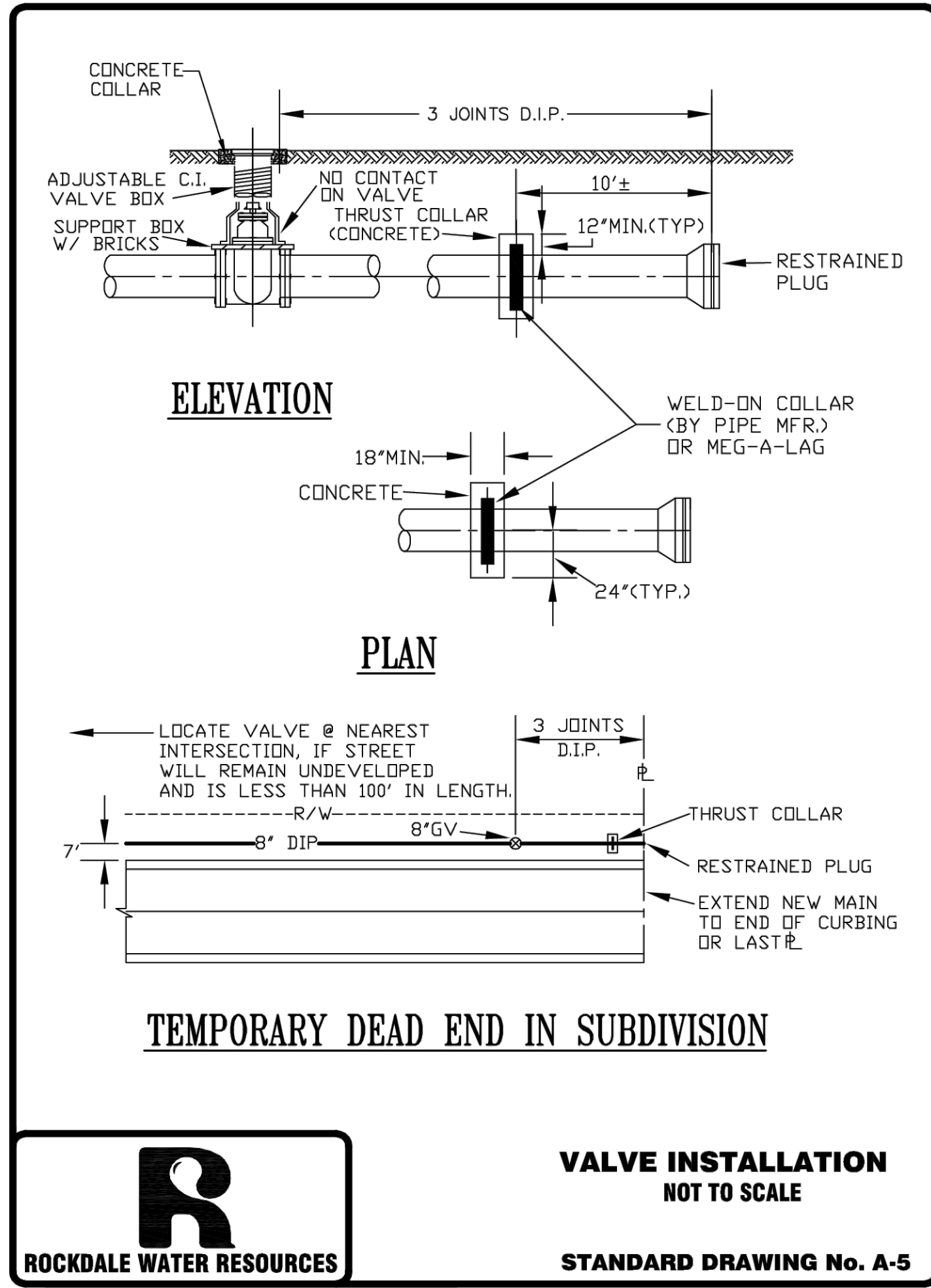
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Sheet Title

SITE DETAILS

Sheet Number

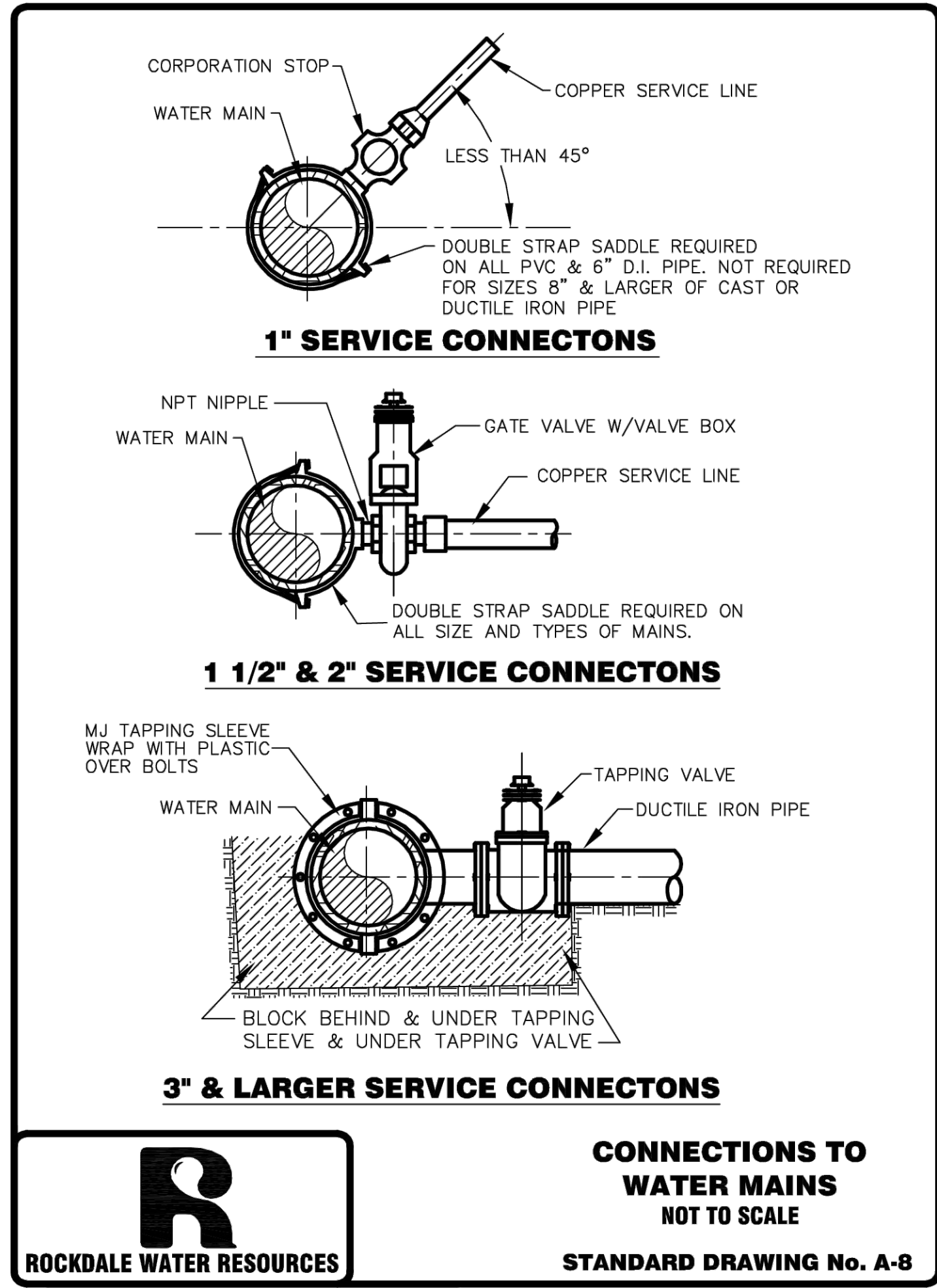
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R **ROCKDALE WATER RESOURCES**

VALVE INSTALLATION NOT TO SCALE

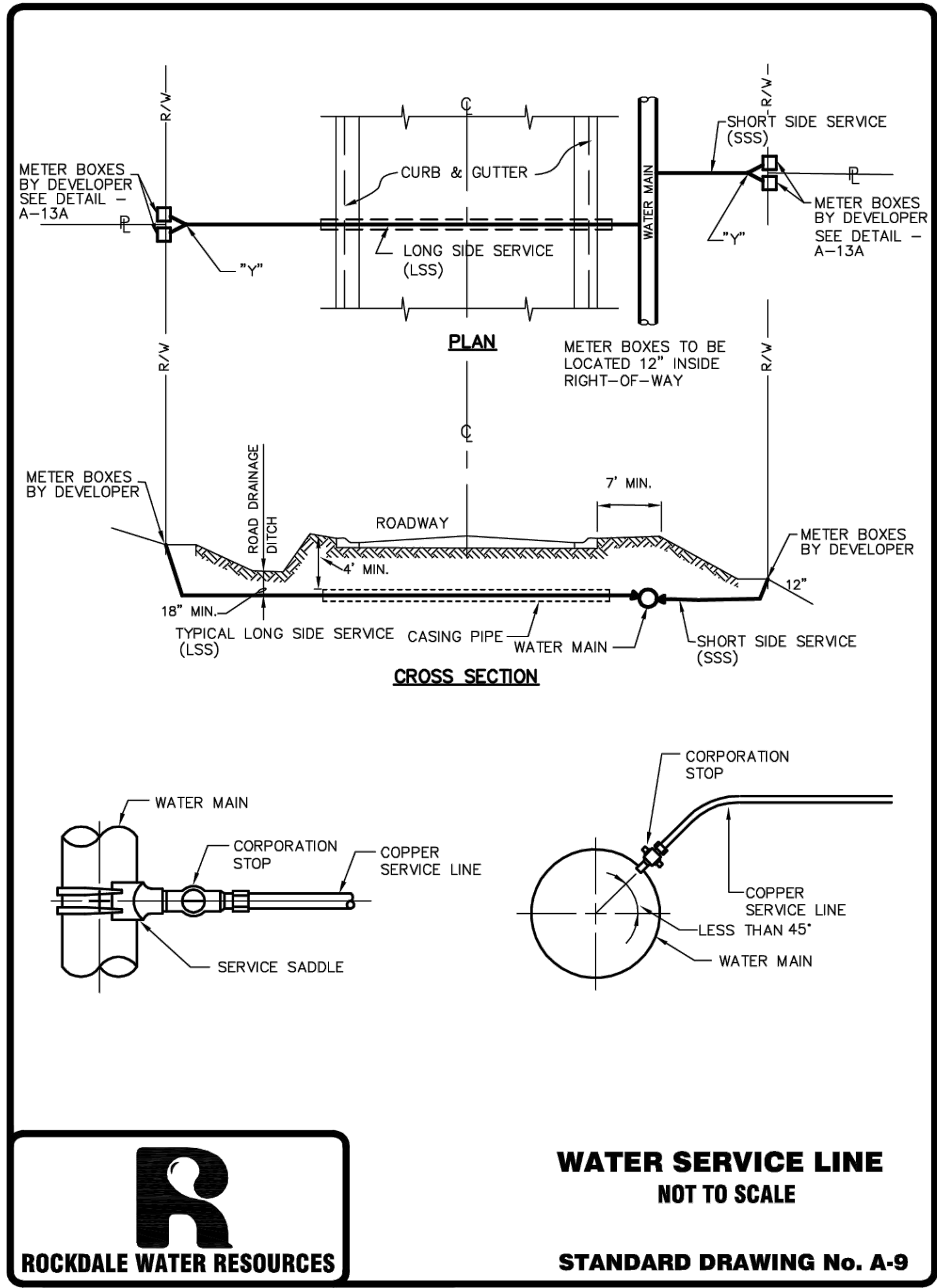
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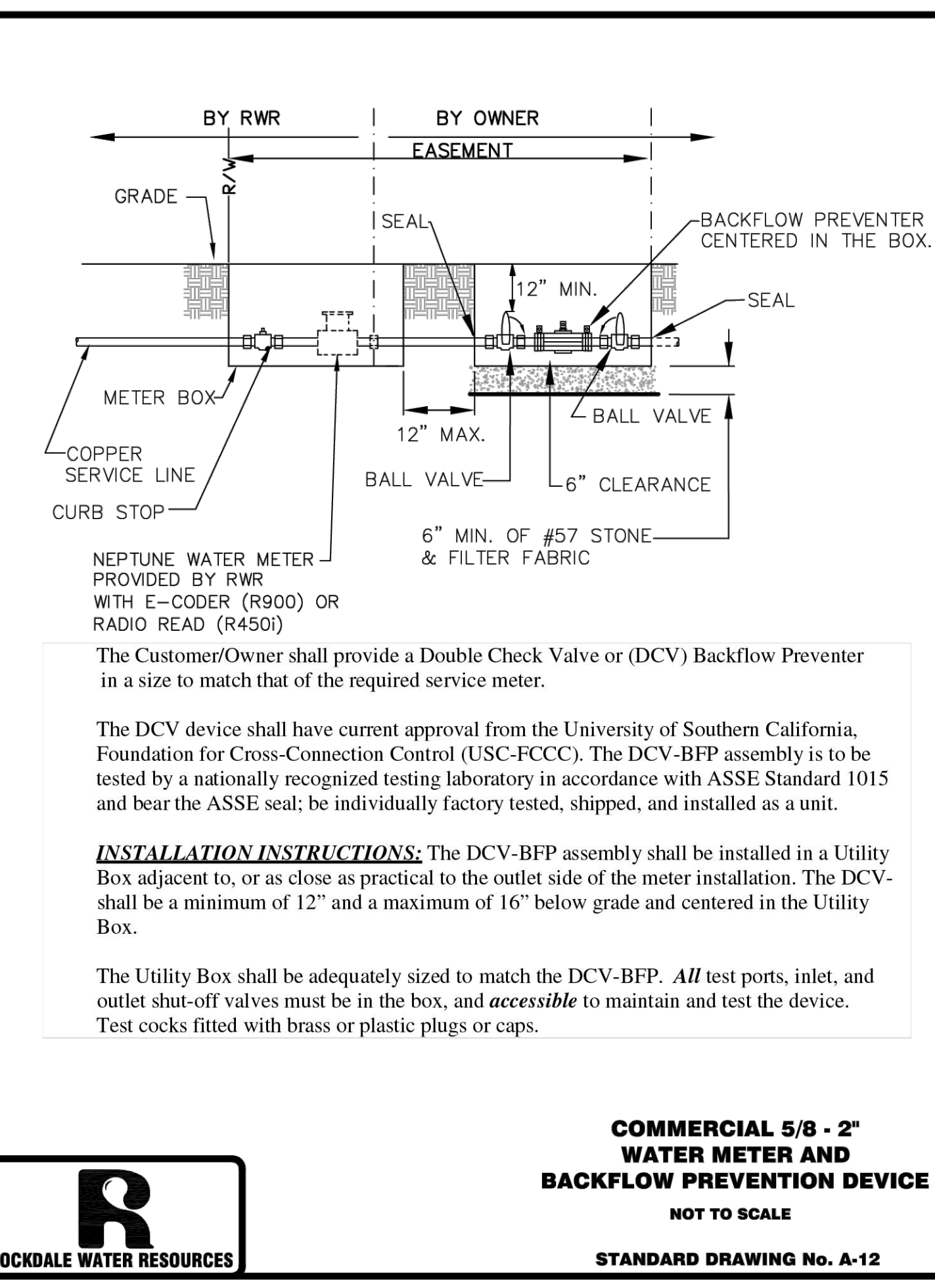
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STANDARD DRAWING No. A-8

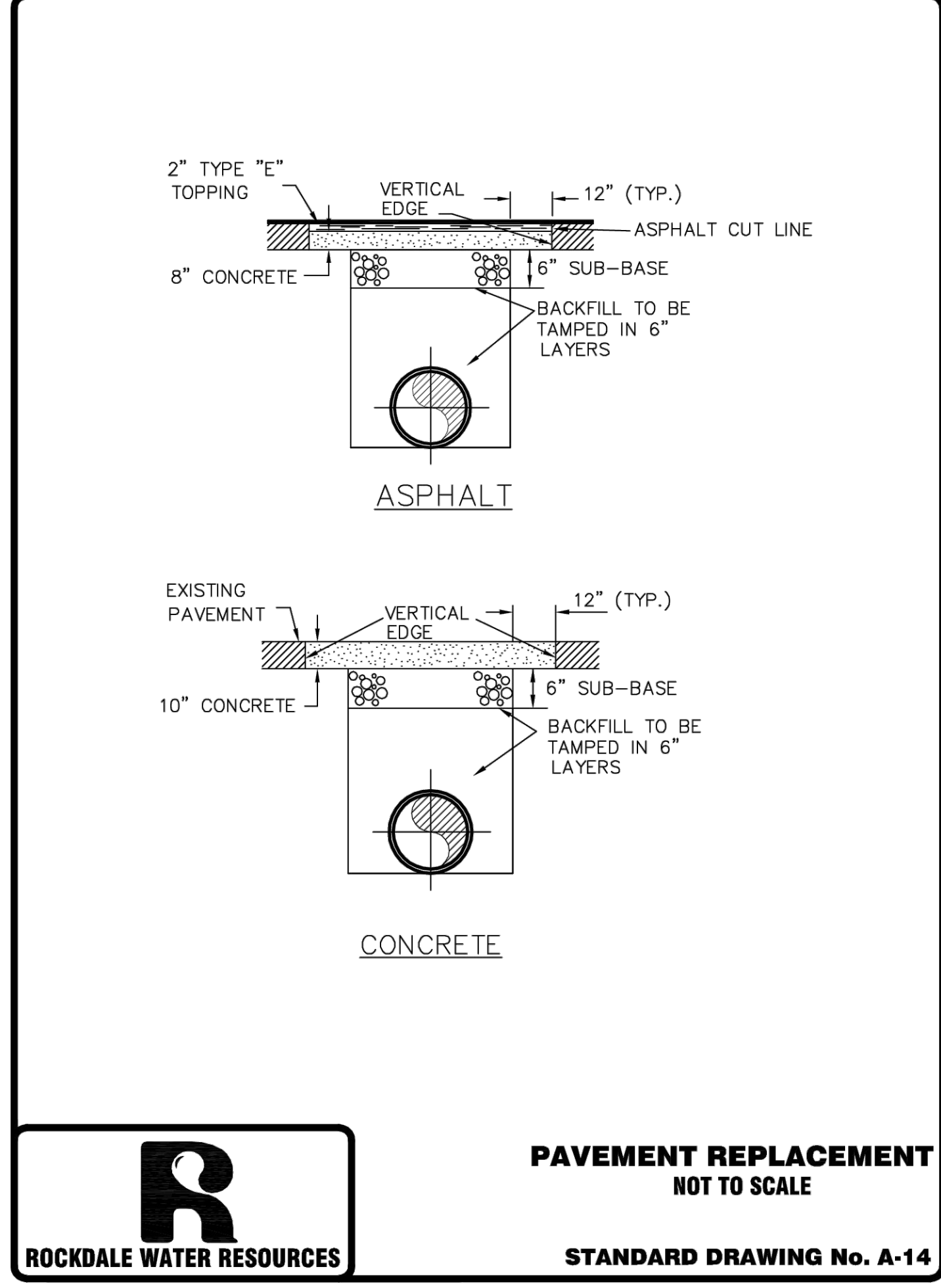


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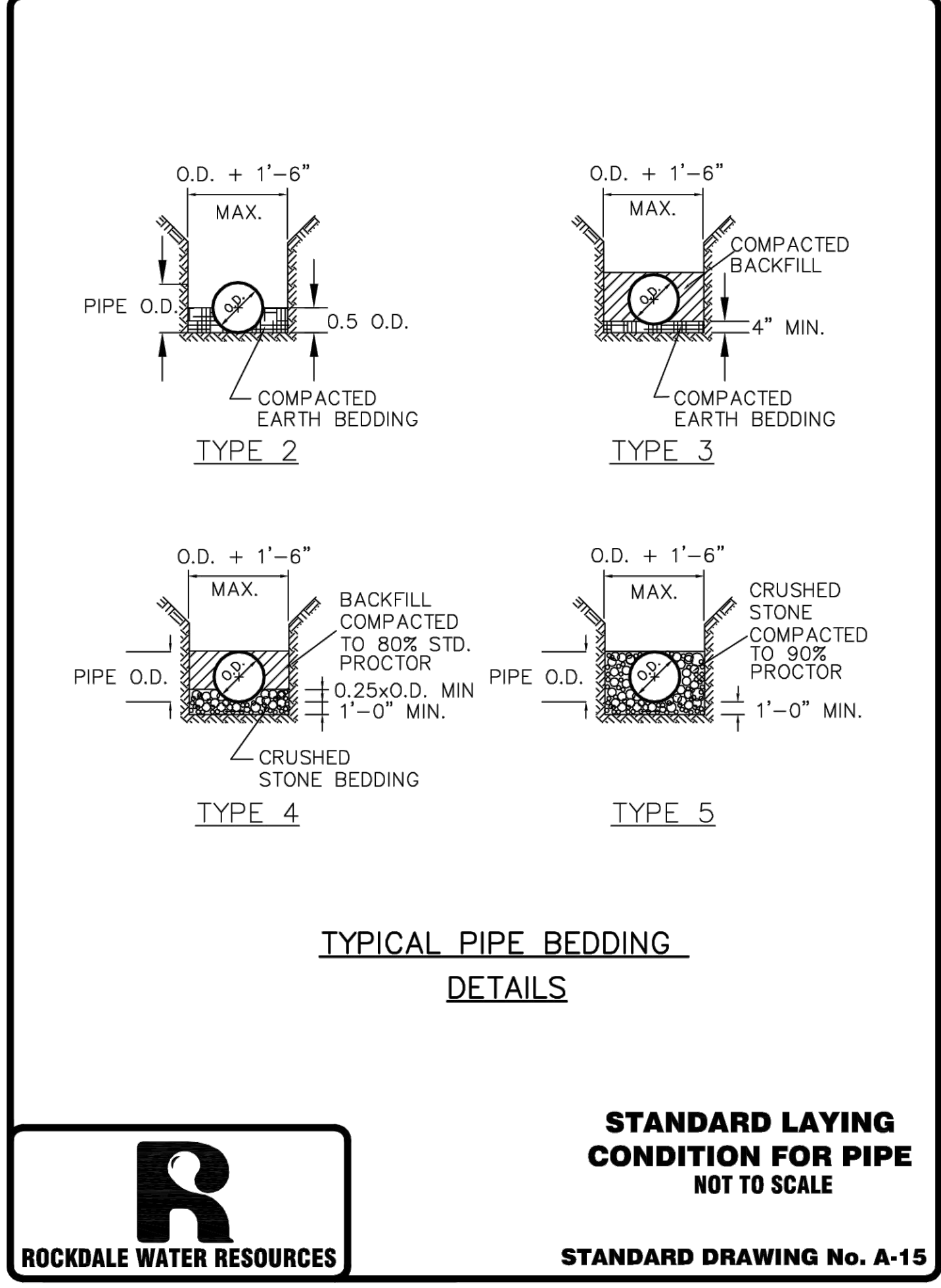
STANDARD DRAWING No. A-9



R **ROCKDALE WATER RESOURCES**



R **ROCKDALE WATER RESOURCES**



R **ROCKDALE WATER RESOURCES**

OWNER/DEVELOPER
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Sheet Title

SITE DETAILS

Sheet Number

C-8.1