



ROCKDALE WATER RESOURCES

BACKFLOW PREVENTION DEVICE INSTALLATION AT GWINNETT COUNTY INTERCONNECTS

SITE 1: LENORA CHURCH RD. - SITE 2: MINK LIVSEY RD.

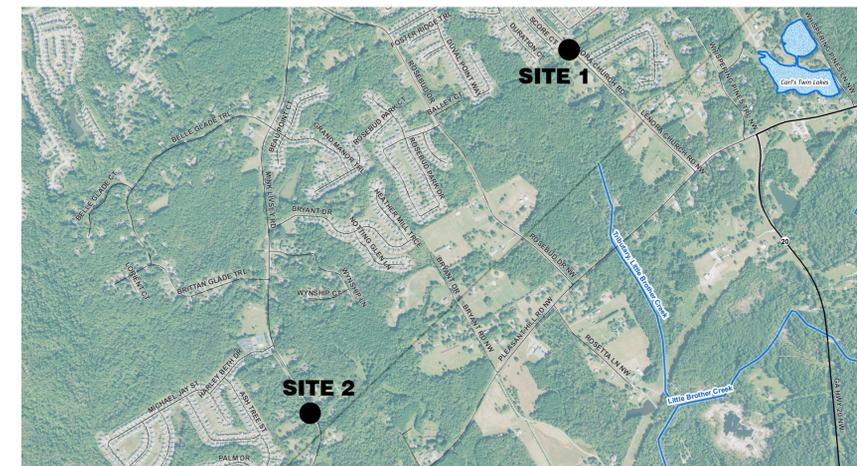


VICINITY MAP
NTS

OWNER/DEVELOPER: ROCKDALE WATER RESOURCES
958 MILSTEAD AVE. CONYERS,
GA. 30012 (770) 278-7432

DESIGN ENGINEER: ROCKDALE WATER RESOURCES
1329 PORTMAN DRIVE, STE. H
CONYERS, GA. 30012
CONTACT: DAVID CERVONE
(770) 278-7486

SITE ADDRESS: SITE 1:
LENORA CHURCH ROAD WATER TANK
SITE 2:
5061 MINK LIVSEY ROAD



LOCATION MAP
NTS



REVISION			
No.	DATE	DESCRIPTION	DESCRIPTION
1	09/19/2020	FOR BIDDING	

TITLE, VICINITY AND LOCATION

DESIGNED BY: DAVID CERVONE
DRAWN BY: BRANDON SCOTT
CHECKED BY: DAVID CERVONE
DATE: 01/31/2019
FILE NAME: INTERCONNECT GWINNETT

DRAWING LIST		
SHEET	DRAWING No.	DESCRIPTION
GENERAL		
1	G-00	TITLE, VICINITY AND LOCATION MAP
2	G-01	DRAWING LIST, SYMBOLS & ABBREVIATIONS
3	G-02	GENERAL NOTES
4	G-03	SITE PLAN
CIVIL		
5	C-01	SITE # 1 PLAN - LENORA CHURCH RD. TWO 12" DOUBLE CHECK VALVE & VAULT
6	C-02	SITE # 2 PLAN - MINK LIVSEY RD. 8" DOUBLE CHECK VALVE & VAULT
7	C-03	CIVIL DETAILS
8	C-04	SITE # 1 LENORA CHURCH RD. EROSION CONTROL PLAN
9	C-05	SITE # 2 MINK LIVSEY RD. EROSION CONTROL PLAN
10	C-06	EROSION CONTROL NOTES 1
11	C-07	EROSION CONTROL NOTES 2
12	C-08	EROSION CONTROL DETAILS

ABBREVIATIONS	
BLDG	BUILDING
CL	CENTER LINE
DIA	DIAMETER
DI	DUCTILE IRON PIPE
PVC	POLYVINYL CHLORIDE
HDPE	HIGH-DENSITY POLYETHYLENE
DR	DRIVE
ELEV	ELEVATION
EX	EXISTING
E/P	EDGE OF PAVEMENT
FT	FEET
FH	FIRE HYDRANT
I.D.	INSIDE DIAMETER
IP	IRON PIN
IPF	IRON PIN FOUND
IPS	IRON PIN SET
LAT	LATITUDE
LONG	LONGITUDE
MIN	MINIMUM
MJ	MECHANICAL JOINT
NTS	NOT TO SCALE
O.D.	OUTSIDE DIAMETER
P/L	PROPERTY LINE
PP	POWER POLE
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
RWR	ROCKDALE WATER RESOURCES
R/W	ROAD RIGHT OF WAY
TBX	TELEPHONE BOX
HW	HEADWALL
MH	MANHOLE
SSMH	SANITARY SEWER MANHOLE
STA	STATION
INV	INVERT
PROP	PROPOSED

LEGEND	
	UTILITY POLE
	STREET SIGN
	REVISION CLOUD
	SOIL BORE LOCATION
	CONTOURS-EXISTING
	UNDER GROUND TELEPHONE
	OVERHEAD POWER
	OVERHEAD TELEPHONE
	EXISTING PAVEMENT
	WATER-HYDRANT PROPOSED
	WATER-METER EXISTING
	WATER-METER PROPOSED
	WATER-VALVE EXISTING
	WATER-VALVE PROPOSED
	THRUST BLOCKING
	WATER-EXISTING MAIN & SIZE
	WATER-PROPOSED MAIN & SIZE
	SEWER-EXISTING
	DEMOLITION
	CONSTRUCTION LIMITS
	STORM WATER-JUNCTION BOX EXISTING
	STORM WATER-SINGLE WING CATCH BASIN EXISTING
	STORM WATER-DOUBLE WING CATCH BASIN EXISTING
	STORM WATER-CIRCULAR WEIR INLET EXISTING
	STORM WATER-RECTANGULAR WEIR INLET EXISTING
	STORM WATER-CIRCULAR GRATED INLET EXISTING
	STORM WATER-RECTANGULAR GRATED INLET EXISTING
	STORM WATER-EXISTING MAIN, SIZE & FLOW



REVISION			
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DRAWING LIST, SYMBOLS & ABBREVIATIONS

DESIGNED BY: DAVID CERVONE
 DRAWN BY: BRANDON SCOTT
 CHECKED BY: DAVID CERVONE
 DATE: 01/31/2019
 FILE NAME: INTERCONNECT OMMNETT

PIPELINE CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL PREPARE AND SUBMIT A TRAFFIC CONTROL PLAN IN ACCORDANCE WITH GDOT REQUIREMENTS.
2. OPEN TRENCHES IN EXISTING ASPHALT SHALL BE PLATED OVERNIGHT WITH NON SKID STEEL PLATES.
3. UNLESS OTHERWISE NOTED, STATION ON PLANS REFERS TO CENTERLINE OF PIPELINE AND IS BASED ON HORIZONTAL DISTANCES.
4. VERIFY DIMENSIONS AND CONDITIONS AT THE SITE BEFORE STARTING WORK. CONFLICTS BETWEEN DETAILS OR DIMENSIONS ON THE DRAWINGS SHALL BE REPORTED PROMPTLY TO THE ENGINEER, WHO WILL DETERMINE THE INTENT OF THE DESIGN.
5. EXISTING UTILITY LOCATIONS ARE APPROXIMATE AND BASED ON RECORD DRAWINGS, POTHOLE AND SURVEY EXISTING UTILITIES THAT WILL BE AFFECTED BY TRENCHING OR EXCAVATIONS PRIOR TO ORDERING ANY MATERIALS. POTHOLES AND SURVEY DATA SHALL BE PROVIDED TO THE ENGINEER FOR REVIEW. POTHOLE DATA SHALL INCLUDE EXISTING UTILITY HORIZONTAL LOCATION, PIPE ELEVATION, PIPE ANGULAR CONFIGURATION, AND MATERIALS OF CONSTRUCTION. IDENTIFY POTENTIAL CONFLICTS WITH THE NEW PIPE LOCATION. PIPE ALIGNMENT ADJUSTMENTS THAT DO NOT INCREASE OVERALL PIPE OR FITTING QUANTITIES SHALL BE MADE AT NO ADDITIONAL COST TO THE RWR.
6. PROTECT ALL EXISTING UTILITIES DURING CONSTRUCTION.
7. FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION, DIAMETER, AND ORIENTATION AT ALL CONNECTION POINTS AND COORDINATE WITH RWR PRIOR TO CONSTRUCTION. PROVIDE ALL PIPE MATERIALS AND FITTINGS, AS REQUIRED TO MEET EXISTING FIELD CONDITIONS FOR A COMPLETE INSTALLATION.
8. REPAIR DAMAGE TO LANDSCAPING, PAVING, UTILITIES, CURBS, GUTTERS, IRRIGATION, STRUCTURES, ETC., CAUSED BY THE WORK.
9. PAVEMENT CUTS SHALL BE PERFORMED BY SAW CUTTING OR GRINDING. RECUT PAVEMENT PRIOR TO REPAVING WHERE UNDERMINING HAS OCCURED.
10. REPLACE TRAFFIC STRIPING OR STENCILING THAT IS OBLITERATED BY CONSTRUCTION TO THE SATISFACTION OF RWR.
11. SCHEDULE WITH RWR LOCAL WATER SERVICE SHUTDOWNS NOT LESS THAN TWO WEEKS IN ADVANCE.
12. MAINTAIN 48" MINIMUM PIPELINE COVER PER RWR UNLESS OTHERWISE SHOWN ON THE PLANS OR UNLESS REDUCED DEPTH IS SPECIFICALLY APPROVED BY THE ENGINEER.
13. REMOVAL AND REPLACEMENT OF PAVEMENT SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS.
14. TRENCHES SHALL BE BACKFILLED IN ACCORDANCE WITH PLANS AND SPECIFICATIONS.
15. RESTRAINED JOINTS SHALL BE PROVIDED FOR BURIED PIPING AS INDICATED ON THE DRAWINGS OR AS SCHEDULED IN THE SPECIFICATIONS.
16. ALL VALVE BOXES SHALL BE SET TO FINISH GRADE.
17. ALL TRENCH EXCAVATION SHALL COMPLY WITH THE MOST CURRENT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION STANDARDS.
18. DELETERIOUS MATERIALS AND EXCAVATED MATERIALS NOT USED IN BACKFILL OR GRADING SHALL BE REMOVED FROM SITE AND LEGALLY DISPOSED OF.
19. CONCRETE TRUCKS SHALL BE CLEANED IN DESIGNATED AREAS WITH WATER PROOF LINING IN COMPLIANCE WITH THE SWPPP AND OTHER PERMITS. ALL WASTE AND MATERIAL SHALL BE REMOVED FROM SITE AND LEGALLY DISPOSED OF.
20. ALL PIPES SHALL HAVE A CONSTANT SLOPE BETWEEN INVERT ELEVATIONS UNLESS A FITTING IS SHOWN.
21. ELEVATION ADJUSTMENTS AT CONNECTIONS MAY BE MADE WITH BENDS, OFFSETS OR JOINT DEFLECTIONS. JOINT DEFLECTIONS SHALL NOT EXCEED 75% MANUFACTURER'S RECOMMENDED DEFLECTION PER JOINT.
22. CONTRACTOR MAY BE REQUIRED TO USE TEMPORARY TESTING OF PROPOSED WATER LINES. TEMPORARY PLUGS SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS ITEMS BID.
23. PRESSURE TEST WATER LINES AFTER ALL UTILITIES ARE INSTALLED AND BACKFILL IS ACCEPTED. PRESSURE TEST SHALL BE IN ACCORDANCE WITH SPECIFICATION.
24. DISINFECTION OF WATER LINES SHALL BE IN ACCORDANCE WITH SPECIFICATION.
25. ALL NEW WATER PIPES SHALL BE PROPERLY FLUSHED, PRESSURE TESTED, CHLORINATED AND BACTERIOLOGICALLY TESTED, AS SPECIFIED.

GENERAL CONSTRUCTION NOTES:

1. WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
2. NOTIFY THE RWR REPRESENTATIVE AND ALL OTHER INTERESTED PARTIES AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO THE START OF WORK.
3. OBTAIN REQUIRED PERMITS AND NECESSARY DISTRICT BUSINESS LICENSE(S) PRIOR TO BEGINNING CONSTRUCTION.
4. TRAFFIC CONTROL COSTS SHALL BE INCLUDED IN THE BID. PROCEDURES SHALL CONFORM TO THE ROCKDALE COUNTY AND GEORGIA DEPARTMENT OF TRANSPORTATION, IF REQUIRED AND IN ACCORDANCE WITH ALL APPLICABLE PERMITS, AND WITH THE SPECIFICATIONS.
5. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE HOURS REFERENCED IN THE SPECIFICATIONS AND PERMITS.
6. DURING CONSTRUCTION, INCLUDING SUSPENSION OF WORK, UNTIL FINAL ACCEPTANCE OF THE PROJECT, OBSERVE, FOLLOW AND IMPLEMENT THE REQUIREMENTS OF THE NPDES AND STORMWATER POLLUTION PREVENTION PROGRAM AND KEEP THE WORK SITE CLEAN FROM RUBBISH AND DEBRIS. ALSO ABATE DUST NUISANCE BY CLEANING, SWEEPING AND SPRINKLING WITH WATER AND USING DUST FENCES OR THEIR METHODS AS DIRECTED BY THE RWR'S REPRESENTATIVE THROUGHOUT THE CONSTRUCTION OPERATION.
7. KEEP A STRICT RECORD OF ALL CHANGES AND SUBMIT THIS RECORD TO THE RWR. ALSO COORDINATE TRANSFERRING "AS-BUILT" INFORMATION ON THE CONTRACT DRAWINGS AND DELIVER THE CERTIFIED "AS-BUILT" PLANS TO THE DISTRICT BEFORE THE RELEASE FOR FINAL ACCEPTANCE OF THE PROJECT SHALL BE FILED.
8. EXERCISE DUE CARE TO AVOID INJURY TO EXISTING IMPROVEMENTS OR FACILITIES, UTILITY FACILITIES, ADJACENT PROPERTY, AND TREES AND SHRUBBERY THAT ARE NOT TO BE REMOVED. ALL DAMAGE CAUSED TO COUNTY & CITY STREETS, INCLUDING HAUL ROUTES, SIDEWALKS, CURBS OR STREET FURNISHINGS, OR TO PRIVATE PROPERTY SHALL BE REPAIRED AT THE SOLE EXPENSE OF THE CONTRACTOR TO THE SATISFACTION OF THE RWR REPRESENTATIVE.
9. DESIGNATE AND KEEP ON THE PROJECT WHILE WORK IS BEING PERFORMED A COMPETENT SUPERINTENDENT WHO SHALL NOT BE REPLACED WITHOUT A WRITTEN NOTICE TO THE RWR'S REPRESENTATIVE. THE SUPERINTENDENT WILL BE THE CONTRACTOR'S REPRESENTATIVE AT THE SITE AND SHALL HAVE AUTHORITY TO ACT ON BEHALF OF THE CONTRACTOR. COMMUNICATIONS GIVEN TO THE SUPERINTENDENT SHALL BE AS BINDING AS IF GIVEN TO THE CONTRACTOR. DURING PERIODS WHEN THE WORK IS SUSPENDED, MAKE APPROPRIATE ARRANGEMENTS FOR EMERGENCY WORK WHICH WILL BE REQUIRED.
10. WHEN THE WORK ON ANY PORTION OF IT IS SUFFICIENTLY COMPLETE TO BE UTILIZED OR PLACED INTO SERVICE, RWR SHALL HAVE THE RIGHT UPON WRITTEN NOTIFICATION TO THE CONTRACTOR TO UTILIZE SUCH PORTIONS OF THE WORK AND TO PLACE THE OPERABLE PORTIONS INTO SERVICE AND TO OPERATE SAME. UPON SAID NOTICE AND COMMENCEMENT OF UTILIZATION OR OPERATION BY THE RWR, THE CONTRACTOR SHALL BE RELIEVED OF THE DUTY OF MAINTAINING THE PORTIONS SO UTILIZED OR PLACED INTO OPERATION; PROVIDED, HOWEVER, THAT NOTHING IN THIS NOTE SHALL BE CONSTRUED AS RELIEVING THE CONTRACTOR OF THE FULL RESPONSIBILITY FOR COMPLETING THE WORK IN ITS ENTIRETY, FOR MAKING GOOD DEFECTIVE WORK AND MATERIALS, FOR PROTECTING THE WORK FROM DAMAGE, AND FOR BEING RESPONSIBLE FOR DAMAGE.
11. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK; AND FULLY COMPLY WITH STATE/FEDERAL AND OTHER LAWS, RULES, REGULATIONS, AND ORDER RELATING TO SAFETY OF WORKERS AND ALL OTHERS. THIS INCLUDES THE ISSUANCE OF PERSONAL PROTECTIVE EQUIPMENT.
12. UNDERGROUND UTILITIES OR STRUCTURES REPORTED BY RWR OR THOSE SHOWN ON RECORDS EXAMINED ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND EXTENT. TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES FOUND AT THE SITE. NOTIFY RWR OF THE UTILITIES CONCERNED BEFORE STARTING WORK.
13. TYPICAL DETAILS APPLY WHETHER OR NOT THEY ARE SPECIFICALLY REFERENCED ON INDIVIDUAL PLANS, DETAILS OR SECTIONS.

14. VERIFY DIMENSIONS AND CONDITIONS AT THE SITE BEFORE STARTING WORK. ANY CONFLICT BETWEEN DETAILS OR DIMENSIONS ON THE DRAWINGS SHALL BE REPORTED PROMPTLY TO RWR REPRESENTATIVE WHO WILL DETERMINE THE INTENT OF THE DRAWINGS.
15. VIDEO RECORD AND DOCUMENT THE EXISTING CONDITION OF THE PROJECT LIMITS AND SUBMIT THE RECORDING AND DOCUMENT TO THE RWR PRIOR TO THE START OF CONSTRUCTION.
16. MAKE ARRANGEMENTS FOR EQUIPMENT, MATERIAL STORAGE & YARD SECURITY.
17. STAGING AREA SHALL BE FOR CONTRACTOR'S EMPLOYEE PARKING, CONTRACTOR'S TRAILERS AND ON-SITE STORAGE OF MATERIALS FOR THIS PROJECT ONLY.
18. CONDUCT OPERATIONS TO RESULT IN THE LEAST POSSIBLE OBSTRUCTION INCONVENIENCE TO THE PUBLIC, AND HAVE UNDER CONSTRUCTION NO GREATER LENGTH OR AMOUNT OF WORK THAT CAN BE PERFORMED PROPERLY WITH DUE REGARD TO THE RIGHTS OF THE PUBLIC OR AS STATED IN THE PERMITS. CONVIENET ACCESS TO DRIVEWAYS, HOUSES AND BUILDINGS ALONG THE WORK SHALL BE MAINTAINED.

TOPOGRAPHIC MAPPING

THE TOPOGRAPHIC/PLANIMETRIC INFORMATION SHOWN HEREON WAS COMPILED FROM DATA COLLECTED FROM ROCKDALE WATER RESOURCES(RWR) GEOGRAPHIC INFORMATION SYSTEM MAP LAYERS AND SURVEY BY ROCHESTER & ASSOCIATES, INC.

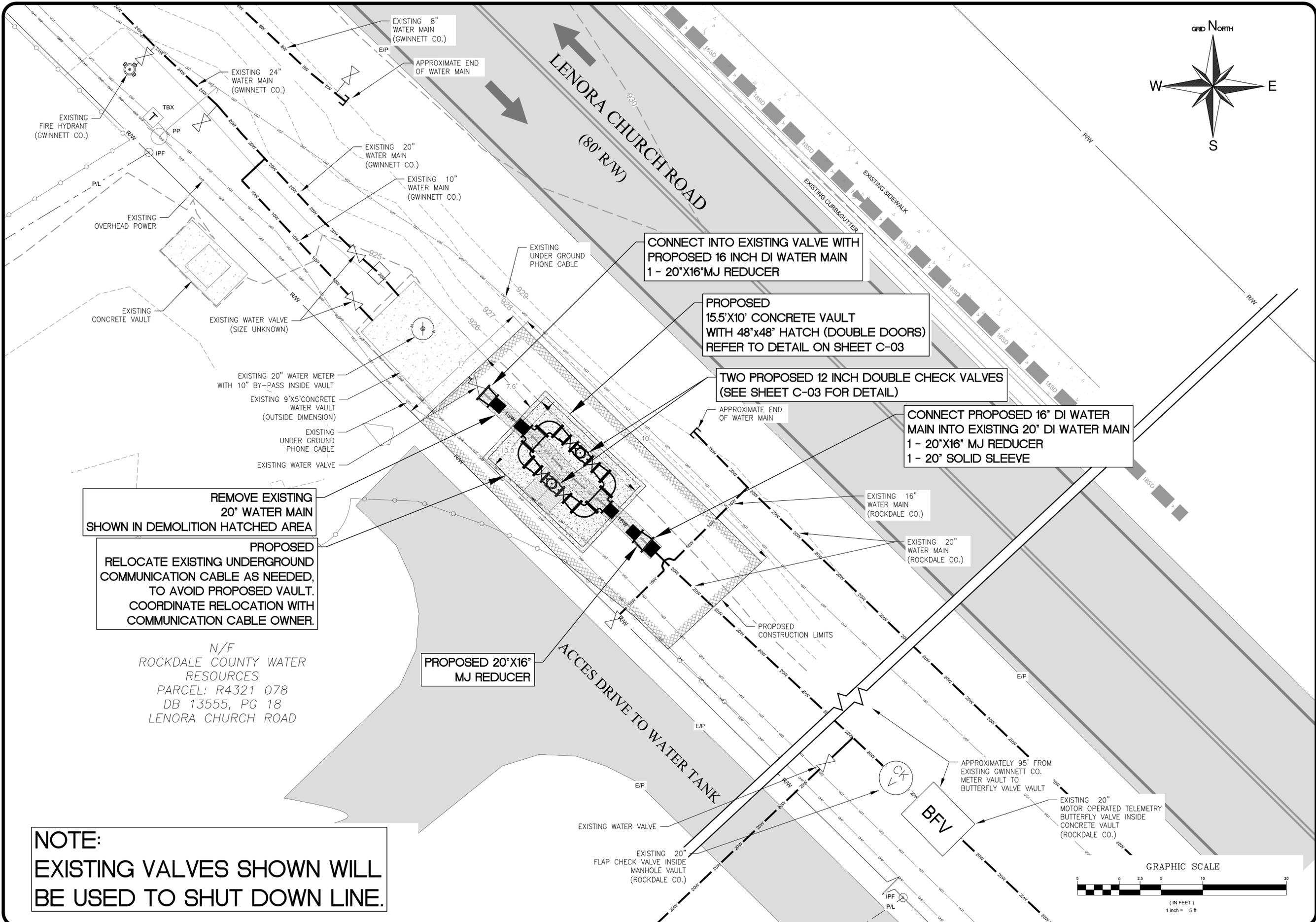


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GENERAL NOTES

DESIGNED BY: DAVID CERVONE
 DRAWN BY: BRANDON SCOTT
 CHECKED BY: DAVID CERVONE
 DATE: 01/31/2019
 FILE NAME: INTERCONNECT GWINNETT

SHEET
G-02



REMOVE EXISTING 20" WATER MAIN SHOWN IN DEMOLITION HATCHED AREA

PROPOSED RELOCATE EXISTING UNDERGROUND COMMUNICATION CABLE AS NEEDED, TO AVOID PROPOSED VAULT. COORDINATE RELOCATION WITH COMMUNICATION CABLE OWNER.

N/F
ROCKDALE COUNTY WATER RESOURCES
PARCEL: R4321 078
DB 13555, PG 18
LENORA CHURCH ROAD

NOTE:
EXISTING VALVES SHOWN WILL BE USED TO SHUT DOWN LINE.

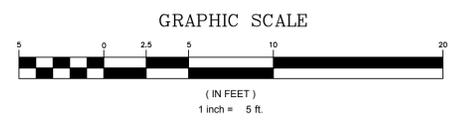


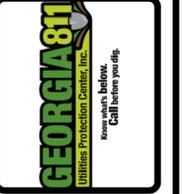
REVISION		DESCRIPTION
No.	DATE	
1	03/18/2020	FOR BIDDING

SITE #1
PLAN - LENORA CHURCH RD
TWO 12" DOUBLE CHECK VALVES & VAULT

DESIGNED BY: DAVID CERVONE
DRAWN BY: BRANDON SCOTT
CHECKED BY: DAVID CERVONE
DATE: 01/31/2019
FILE NAME: INTERCONNECT GWINNETT

SHEET
C-01



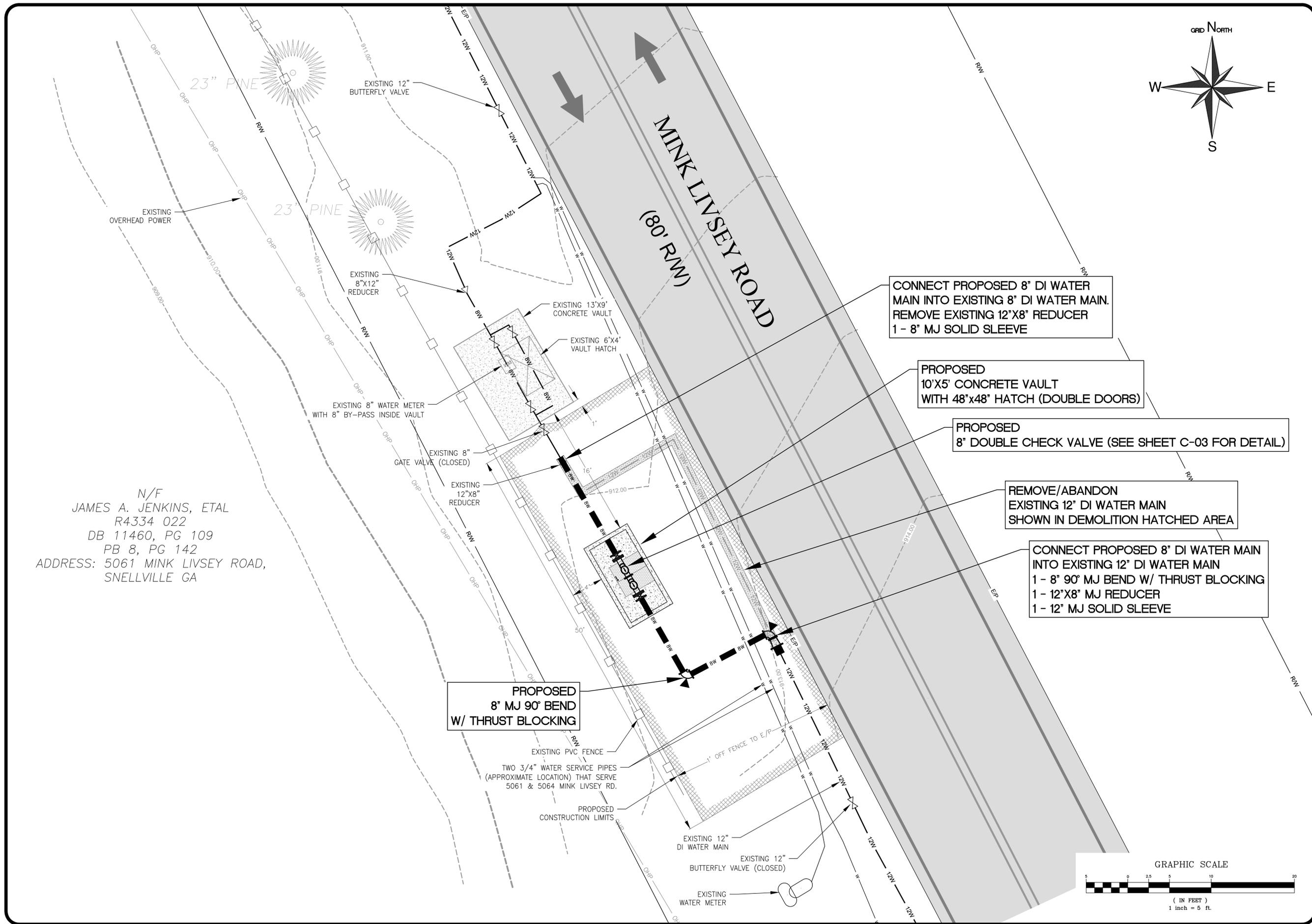


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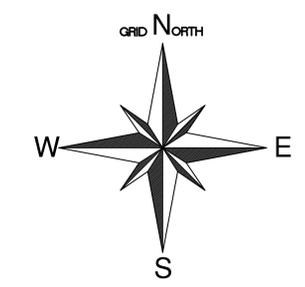
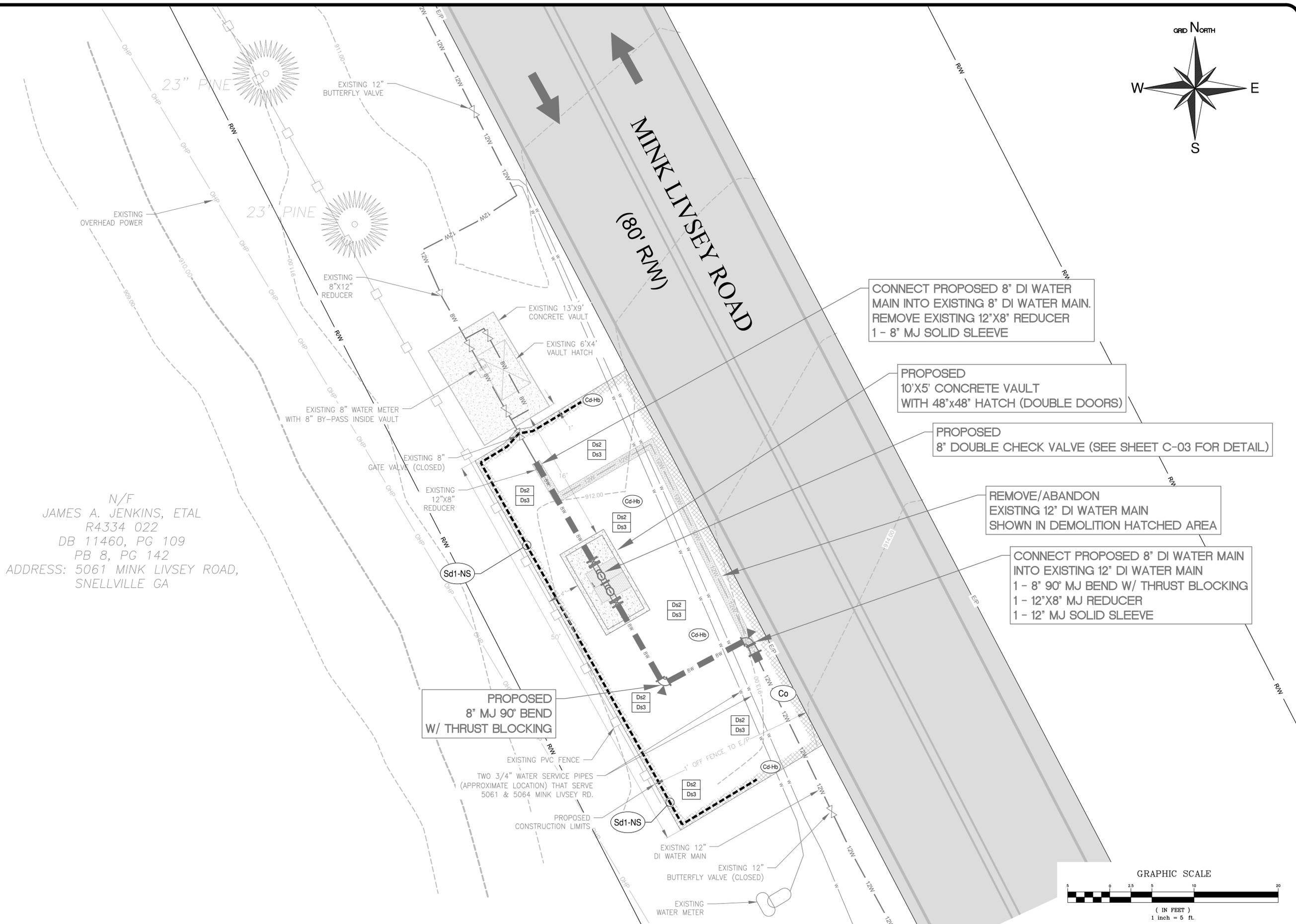
SITE # 2
PLAN - MINK LIVSEY ROAD
8" DOUBLE CHECK VALVE
& VAULT

DESIGNED BY: DAVID CERVONE
 DRAWN BY: BRANDON SCOTT
 CHECKED BY: DAVID CERVONE
 DATE: 01/31/2019
 FILE NAME: INTERCONNECT GWINNETT

SHEET
C-02



N/F
 JAMES A. JENKINS, ETAL
 R4334 022
 DB 11460, PG 109
 PB 8, PG 142
 ADDRESS: 5061 MINK LIVSEY ROAD,
 SNELLVILLE GA



N/F
 JAMES A. JENKINS, ETAL
 R4334 022
 DB 11460, PG 109
 PB 8, PG 142
 ADDRESS: 5061 MINK LIVSEY ROAD,
 SNELLVILLE GA

CONNECT PROPOSED 8" DI WATER MAIN INTO EXISTING 8" DI WATER MAIN. REMOVE EXISTING 12"x8" REDUCER 1 - 8" MJ SOLID SLEEVE

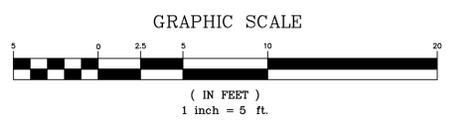
PROPOSED 10'X5' CONCRETE VAULT WITH 48"x48" HATCH (DOUBLE DOORS)

PROPOSED 8" DOUBLE CHECK VALVE (SEE SHEET C-03 FOR DETAIL)

REMOVE/ABANDON EXISTING 12" DI WATER MAIN SHOWN IN DEMOLITION HATCHED AREA

CONNECT PROPOSED 8" DI WATER MAIN INTO EXISTING 12" DI WATER MAIN 1 - 8" 90° MJ BEND W/ THRUST BLOCKING 1 - 12"x8" MJ REDUCER 1 - 12" MJ SOLID SLEEVE

PROPOSED 8" MJ 90° BEND W/ THRUST BLOCKING



No.	DATE	DESCRIPTION	REVISION	
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1	01/31/2019	FOR BIDDING	-	-
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SITE # 2
MINK LIVSEY ROAD
EROSION CONTROL PLAN

DESIGNED BY: DAVID CERVONE
 DRAWN BY: BRANDON SCOTT
 CHECKED BY: DAVID CERVONE
 DATE: 01/31/2019
 FILE NAME: INTERCONNECT GWINNETT

SHEET
C-05

GENERAL NOTES

1. A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE WHENEVER WORK IS IN PROGRESS.
2. EROSION AND SEDIMENT CONTROL SHALL BE THE CONTRACTOR'S RESPONSIBILITY FOR COMPLIANCE, INSTALLATION, MAINTENANCE AND REMOVAL AS REQUIRED BY THE STATE OF GEORGIA MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA 2016 EDITION AS PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION. THE CONTRACTOR SHALL BECOME FAMILIAR WITH THESE SPECIFICATIONS PRIOR TO ANY CONSTRUCTION ACTIVITIES. THE INSTALLATION OF THE REQUIRED EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AS A FIRST STEP IN CONSTRUCTION.
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. FAILURE TO INSTALL, OPERATE AND/OR MAINTAIN ALL EROSION CONTROL MEASURES SHALL BE JUSTIFICATION TO STOP CONSTRUCTION ON THE JOB SITE UNTIL SUCH MEASURES ARE CORRECTED IN ACCORDANCE WITH THE APPROVED PLANS OR AS DIRECTED BY THE ENGINEER.

SITE PREPARATION

1. PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE ACTIVITY SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.
2. MATERIAL STAGING AREA SHALL BE ENCOMPASSED WITH REFERENCED SILT FENCE.

DURING CONSTRUCTION

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION CONTROL CREATED BY DRAINAGE PATTERNS AT VARIOUS STAGES DURING CONSTRUCTION. EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES.
2. 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.
3. THE LOCATION OF SOME EROSION CONTROL DEVICES MAY BE ALTERED FROM THAT SHOWN ON PLANS AS APPROVED BY THE DESIGN ENGINEER AND CLAYTON COUNTY LAND DEVELOPMENT.
4. CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT OF WAY. THIS MAY REQUIRE PERIODIC DRESSING WITH STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN OUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE OR SITE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN SHALL BE REMOVED IMMEDIATELY.
5. CONTROL DUST USING WATER OR OTHER METHODS AS REQUIRED TO PREVENT DUST FROM BEING A NUISANCE TO THE PUBLIC AND CONCURRENT WITH ON SITE WORK.
6. DISTURBED SOIL SHALL BE STABILIZED WITH EROSION AND SEDIMENT CONTROL MEASURES EACH DAY AND PRIOR TO ANY RAIN EVENT AS FOLLOWS. (A) DISTURBED SOIL SHALL BE RETURNED TO FINAL GRADE. (B) EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED. (C) GRADED SOIL SHALL BE TREATED WITH LIME AND FERTILIZER. (D) APPLY TEMPORARY AND/OR PERMANENT VEGETATION.
7. STRAW MULCHING SHALL BE USED WITH TEMPORARY AND PERMANENT VEGETATION APPLICATIONS AND SHALL BE FREE OF WEED SEEDS AND SPREAD AT A RATE OF 90 POUNDS PER 1,000 SQUARE FEET.
8. THE CONTRACTOR SHALL INSTALL MATTING AND BLANKETS WITHIN ALL DRAINAGE DITCHES UNLESS NOTED OTHERWISE.
9. EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSPECTED BY THE CERTIFIED INSPECTOR AT THE END OF EACH DAYS WORK AND AT THE END OF EACH AND EVERY RAIN EVENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND/OR REPLACEMENT OF ANY FAILED OR INADEQUATELY INSTALLED SEDIMENT CONTROL DEVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MAINTENANCE OF EROSION AND SEDIMENT CONTROL DEVICES.
10. THE CONTRACTOR SHALL REMOVE SEDIMENT ONCE IT HAS ACCUMULATED TO ONE-HALF THE ORIGINAL HEIGHT OF THE BARRIER.
11. ALL SILTS AND/OR SEDIMENT REMOVED FROM THE EROSION/SEDIMENT CONTROL DEVICES SHALL BE DISPOSED OF ONSITE IN SUCH A MANNER AS TO PREVENT SAID SILTS AND/OR SEDIMENTS FROM REENTERING THE CONTROL DEVICES AND/OR EXITING THE SITE THROUGH THE STORM DRAINAGE SYSTEMS AND/OR SURFACE DRAINAGE.
12. EROSION CONTROL MEASURES WILL BE MAINTAINED UNTIL ALL DISTURBED SOIL WITHIN THE CONSTRUCTION AREA HAS BEEN COMPLETELY STABILIZED WITH PERMANENT VEGETATION AND ALL ROADS/DRIVEWAYS HAVE BEEN PAVED.

SITE COMPLETION

1. FINAL STABILIZATION SHALL BE WITH SAME VEGETATION AS EXISTING. UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES WILL BE CONSIDERED ACCEPTABLE WHEN 100% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION WITH A DENSITY OF 70% OR GREATER, OR EQUIVALENT PERMANENT STABILIZATION MEASURES HAVE BEEN USED.
2. THE CONTRACTOR SHALL REMOVE SILT FENCE IN AREAS THAT HAVE UNDERGONE FINAL STABILIZATION AS DETERMINED BY CCWA INSPECTOR. CONTRACTOR SHALL DISPOSE SAID SILT FENCE IN ACCORDANCE WITH LOCAL REGULATIONS.
3. CONTRACTOR SHALL CONTACT LOCAL COUNTY EXTENSION FOR WETLAND SPECIES TO REPLANT.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING AND OR MAINTAINING ALL JOB SITE WORK AREAS THAT ARE BEING STABILIZED OR HAVE UNDERGONE FINAL STABILIZATION UNTIL CCWA HAS ISSUED A LETTER OF FINAL ACCEPTANCE.
5. THE PERSON ULTIMATELY RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF EROSION AND SEDIMENT CONTROL PRACTICES ON THIS SITE AND WHO IS TO BE CONTACTED IN THE EVENT OF A STOP WORK ORDER, IS:
DAVID CERVONE
GSWCC LEVEL II CERTIFIED DESIGN PROFESSIONAL
CERTIFICATION NUMBER: 0000074205
OFFICE 770-278-7486
MOBILE 678-476-4728
6. ANY REVISION TO THE PLANS AFTER THE INITIAL SUBMITTAL, OTHER THAN THE RESPONSE TO THE PLAN REVIEW COMMENTS, WILL BE INDICATED ON REVISIONS AND SUBMITTED WITH A WRITTEN EXPLANATION OF THE REVISIONS AND THE REASONS.
7. ANY VARIATIONS FROM THE PERMITTED PLANS, CHANGES IN DESIGN RESULTING FROM FIELD CONDITIONS, OR SUBSTITUTION OF CONSTRUCTION MATERIALS ARE TO BE REVIEWED AND APPROVED BY THE RESPONSIBLE DESIGN ENGINEER AND CLAYTON COUNTY LAND DEVELOPMENT.
8. PLANS ARE REVIEWED IN GENERAL. SPECIFIC DETAILS AND CALCULATIONS MAY NOT BE CHECKED. THE ENGINEERS STAMP AND SIGNATURE GUARANTEES THE ACCURACY OF THE CALCULATIONS AND DESIGN. PLAN APPROVAL DOES NOT OBLIGATE THE COUNTY TO ACCEPT THE WORK, NOR DOES IT RELIEVE THE DEVELOPER AND / OR ENGINEER FROM COMPLIANCE WITH ANY OTHER COUNTY, STATE OR FEDERAL ORDINANCES AND LAWS. PLAN APPROVAL DOES NOT RELIEVE THE DEVELOPER FROM THE RESPONSIBILITY FOR DAMAGES TO ADJACENT OR DOWNSTREAM PROPERTY RESULTING FROM THIS DEVELOPMENT.
9. THERE IS ESTABLISHED A 25 FOOT BUFFER ALONG THE BANKS OF ALL STATE WATERS, AS MEASURED HORIZONTALLY FROM THE POINT WHERE VEGETATION HAS BEEN WRESTED BY NORMAL STREAM FLOW OR WAVE ACTION. NO LAND DISTURBING ACTIVITIES SHALL BE CONDUCTED WITHIN A BUFFER AND A BUFFER SHALL REMAIN IN ITS NATURAL, UNDISTURBED, STATE OF VEGETATION UNTIL ALL LAND-DISTURBING ACTIVITIES ON THE CONSTRUCTION SITE ARE COMPLETED. ONCE THE FINAL STABILIZATION OF THE SITE IS ACHIEVED, A BUFFER MAY BE THINNED OR TRIMMED OF VEGETATION AS LONG AS A PROTECTIVE VEGETATIVE COVER REMAINS TO PROTECT WATER QUALITY AND AQUATIC HABITAT AND A NATURAL CANOPY IS LEFT SUFFICIENT QUANTITY TO KEEP SHADE ON THE STREAM BED: PROVIDED, HOWEVER, THAT ANY PERSON CONSTRUCTING A SINGLE-FAMILY RESIDENCE, WHEN SUCH RESIDENCE IS CONSTRUCTED BY OR UNDER CONTRACT WITH THE OWNER FOR HIS OR HER OWN OCCUPANCY, MAY THIN OR TRIM VEGETATION IN A BUFFER AT ANY TIME AS LONG AS PROTECTIVE VEGETATIVE COVER REMAINS TO PROTECT WATER QUALITY AND AQUATIC HABITAT AND A NATURAL CANOPY IS LEFT IN SUFFICIENT QUANTITY TO KEEP SHADE ON THE STREAM BED. Georgia House Bill 1426
10. STREAM BANK RESTORATION AND STABILIZATION ARE REQUIRED IN ALL DISTURBED STATE WATERS BUFFERS. THE STREAM BANK CANOPY IS TO BE RESTORED WITHIN THE STATE WATERS BUFFERS. GEOMAT AND RIP RAP ARE TO BE PLACED AS NECESSARY TO PREVENT EROSION WITHIN THE STREAM BANKS.

DESCRIPTION AND CONSTRUCTION ACTIVITY

THE PROJECT CONSISTS OF INSTALLING AN 8 INCH DOUBLE CHECK VALVE IN SIDE A 10 FT. X 5 FT. CONCRETE VAULT ALONG THE WEST SIDE OF MINK LIVSEY ROAD. AT 5061 MINK LIVSEY ROAD. INSTALL A 10 INCH DOUBLE CHECK VALVE IN SIDE A 12 FT. X 6 FT. CONCRETE VAULT ALONG THE WEST SIDE OF LENORA CHURCH ROAD ONE LOT NORTH OF 4850 LENORA CHURCH ROAD. TOTAL PROJECT ACREAGE AND DISTURBED ACREAGE IS 0.038 IN QWINNETT COUNTY CURRENTLY STABILIZED WITH GRASS.

ES & PC NOTES:

1. **INITIAL CONTROLS: INSTALL PERIMETER SILT FENCE WHERE APPLICABLE PRIOR TO CONDUCTING GRADING ACTIVITIES.**
2. **INTERMEDIATE CONTROLS: INSTALL SILT FENCE, CHECK DAMS, MATTS AND BLANKETING, TEMPORARY/PERMANENT SEEDING WITH MULCH AND GRAVEL (PAVEMENT AREAS) EVERY DAY AND PRIOR TO ANY RAIN EVENT.**
3. **FINAL CONTROLS: INSTALL TEMPORARY/PERMANENT SEEDING WITH MULCH EVERY DAY AND PRIOR TO ANY RAIN EVENT. INSTALL PAVEMENT TO MATCH EXISTING PAVEMENT AS CONDITIONS PERMIT.**

CONSTRUCTION SCHEDULE

START PROJECT DATE: XX/XX/XXXX
COMPLETE PROJECT DATE: XX/XX/XXXX

1. **INSTALL EROSION CONTROL FENCE.**
2. **CLEAR, CRUB AND GRADE SITE.**
3. **INSTALL AND MAINTAIN GRASSING AND MULCH (TEMPORARY VEGETATION)**
4. **CONSTRUCT WATER MAIN.**
5. **FINE GRADING.**
6. **FINAL STABILIZATION (PERMANENT VEGETATION), CLEAN STORM DRAIN SYSTEM.**
7. **MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES.**

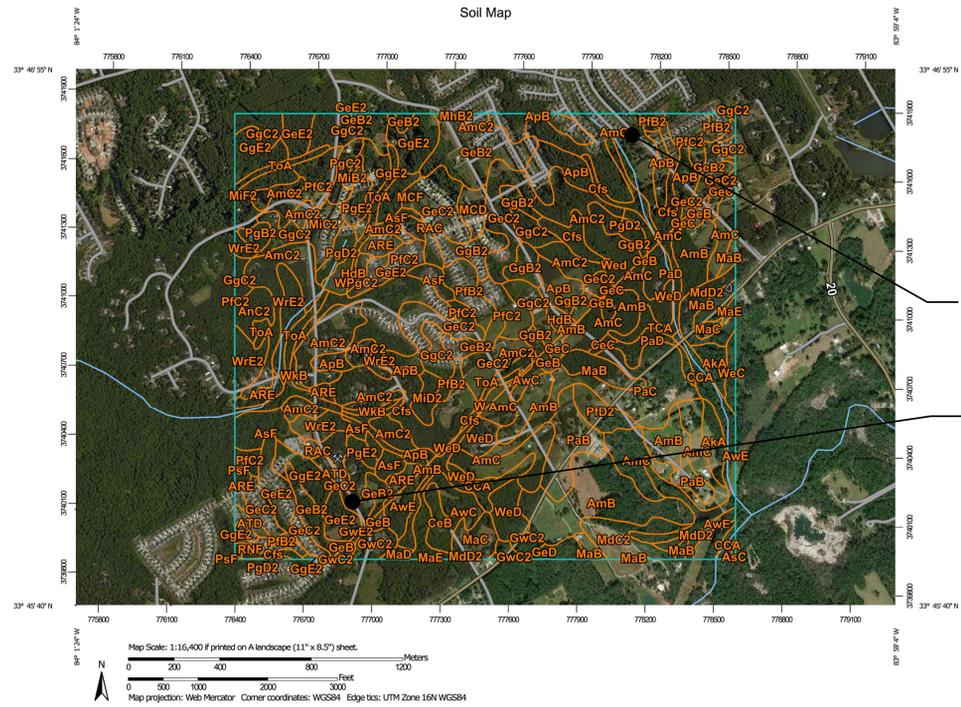
APPROXIMATE CONSTRUCTION SCHEDULE							
ACTIVITY	WEEK-1	WEEK-2	WEEK-3	WEEK-4	WEEK-5	WEEK-6	WEEK-7
1	█						
2	█	█					
3	█	█	█				
4		█	█	█			
5				█	█		
6					█	█	
7	█	█	█	█	█	█	



No.	DATE	DESCRIPTION	REVISION					
			No.	DATE	DESCRIPTION	No.	DATE	DESCRIPTION
1	01/31/2019	FOR BIDDING	-	-	-	-	-	-

EROSION CONTROL NOTES 1

DESIGNED BY: DAVID CERVONE
DRAWN BY: BRANDON SCOTT
CHECKED BY: DAVID CERVONE
DATE: 01/31/2019
FILE NAME: INTERCONNECT QWINNETT



MAP LEGEND

- Area of Interest (AOI)**
 - Area of Interest (AOI)
- Soils**
 - Soil Map Unit Polygons
 - Soil Map Unit Lines
 - Soil Map Unit Points
- Special Point Features**
 - Blowout
 - Borrow Pit
 - Clay Spot
 - Closed Depression
 - Gravel Pit
 - Gravelly Spot
 - Landfill
 - Lava Flow
 - Marsh or swamp
 - Mine or Quarry
 - Miscellaneous Water
 - Perennial Water
 - Rock Outcrop
 - Saline Spot
 - Sandy Spot
 - Severely Eroded Spot
 - Sinkhole
 - Slide or Slip
 - Sodic Spot
- Water Features**
 - Streams and Canals
- Transportation**
 - Rails
 - Interstate Highways
 - US Routes
 - Major Roads
 - Local Roads
- Background**
 - Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at scales ranging from 1:12,000 to 1:15,800.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Gwinnett County, Georgia
 Survey Area Data: Version 9, Sep 15, 2018

Soil Survey Area: Newton and Rockdale Counties, Georgia
 Survey Area Data: Version 11, Sep 15, 2018

Your area of interest (AOI) includes more than one soil survey area. These survey areas may have been mapped at different scales, with a different land use in mind, at different times, or at different levels of detail. This may result in map unit symbols, soil properties, and interpretations that do not completely agree across soil survey area boundaries.

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Dec 10, 2011—Oct 26, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
AmC2	Appling sandy loam, 6 to 10 percent slopes, moderately eroded	119.2	11.3%
AnC2	Appling sandy clay loam, 6 to 10 percent slopes, eroded	6.6	0.6%
ApB	Appling-Hard Labor complex, 2 to 6 percent slopes	45.2	4.3%
ARE	Ashlar, Rion, and Waterree soils, 10 to 25 percent slopes	13.0	1.2%
AsF	Ashlar-Waterree complex, 15 to 45 percent slopes, stony	20.9	2.0%
ATD	Ashlar and Wedowee soils, 6 to 15 percent slopes	4.8	0.5%
Cts	Chewacla silt loam, 0 to 2 percent slopes, frequently flooded	18.9	1.8%
GeB2	Gwinnett clay loam, 2 to 6 percent slopes, eroded	44.6	4.2%
GeC2	Gwinnett clay loam, 6 to 10 percent slopes, eroded	70.4	6.7%
GeE2	Gwinnett clay loam, 10 to 25 percent slopes, eroded	23.4	2.2%
GgB2	Gwinnett loam, 2 to 6 percent slopes, eroded	21.2	2.0%
GgC2	Gwinnett loam, 6 to 10 percent slopes, eroded	38.6	3.7%
GgE2	Gwinnett loam, 10 to 25 percent slopes, eroded	33.7	3.2%
HdB	Hard Labor sandy loam, 2 to 6 percent slopes	3.2	0.3%
MCD	Musella cobbly loam, 6 to 15 percent slopes	5.2	0.5%
MCF	Musella cobbly loam, 15 to 45 percent slopes	6.0	0.6%
MhB2	Madison gravelly sandy loam, 2 to 6 percent slopes, eroded	0.3	0.0%
MIB2	Madison sandy clay loam, 2 to 6 percent slopes, eroded	1.3	0.1%
MIC2	Madison sandy clay loam, 6 to 10 percent slopes, moderately eroded	7.9	0.7%
MID2	Madison sandy clay loam, 10 to 15 percent slopes, moderately eroded	4.7	0.4%

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
MIF2	Madison sandy clay loam, 15 to 45 percent slopes, eroded	7.3	0.7%
PIB2	Pacolet sandy loam, 2 to 6 percent slopes, moderately eroded	17.1	1.6%
PIC2	Pacolet sandy loam, 6 to 10 percent slopes, moderately eroded	35.6	3.4%
PgB2	Pacolet sandy clay loam, 2 to 6 percent slopes, moderately eroded	3.3	0.3%
PgC2	Pacolet sandy clay loam, 6 to 10 percent slopes, moderately eroded	7.3	0.7%
PgD2	Pacolet sandy clay loam, 10 to 15 percent slopes, moderately eroded	8.0	0.8%
PgE2	Pacolet sandy clay loam, 15 to 25 percent slopes, moderately eroded	7.4	0.7%
PgF	Pacolet-Saw complex, 15 to 45 percent slopes, stony	0.4	0.0%
RAC	Rawlings and Rion soils, 2 to 10 percent slopes	6.5	0.6%
RNF	Rion and Bethlehem soils, 15 to 45 percent slopes, stony	1.6	0.2%
ToA	Toccoa fine sandy loam, 0 to 4 percent slopes, frequently flooded	17.9	1.7%
W	Water	3.8	0.4%
Wed	Wehadkee soils, 0 to 2 percent slopes, frequently flooded	1.8	0.2%
WkB	Worsham sandy loam, 2 to 6 percent slopes	2.5	0.2%
WrE2	Wedowee sandy loam, 10 to 25 percent slopes, eroded	71.1	6.7%
Subtotals for Soil Survey Area		681.0	64.5%
Totals for Area of Interest		1,056.1	100.0%

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
AKA	Altavista sandy loam, 0 to 3 percent slopes, occasionally flooded	10.8	1.0%
AmB	Appling sandy loam, 2 to 6 percent slopes	62.6	5.9%
AmC	Appling sandy loam, 6 to 10 percent slopes	57.2	5.4%
AsC	Ashlar-Rock outcrop complex, 2 to 10 percent slopes	0.3	0.0%

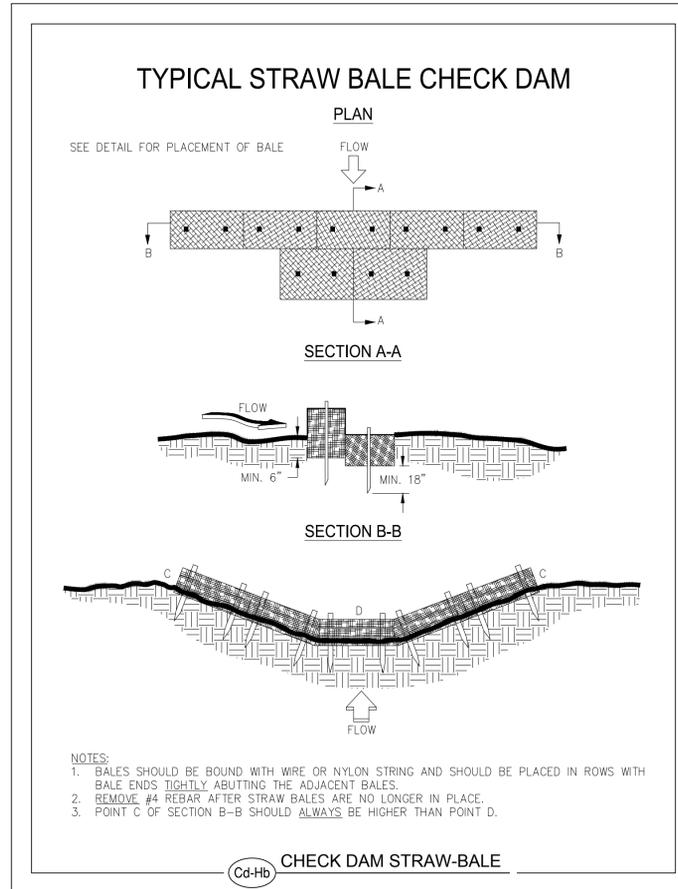
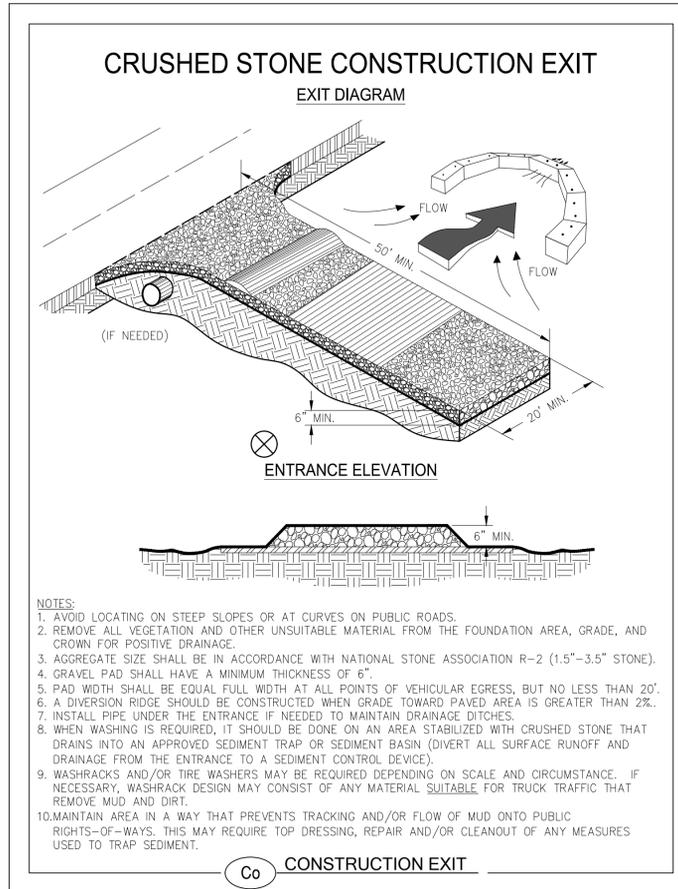
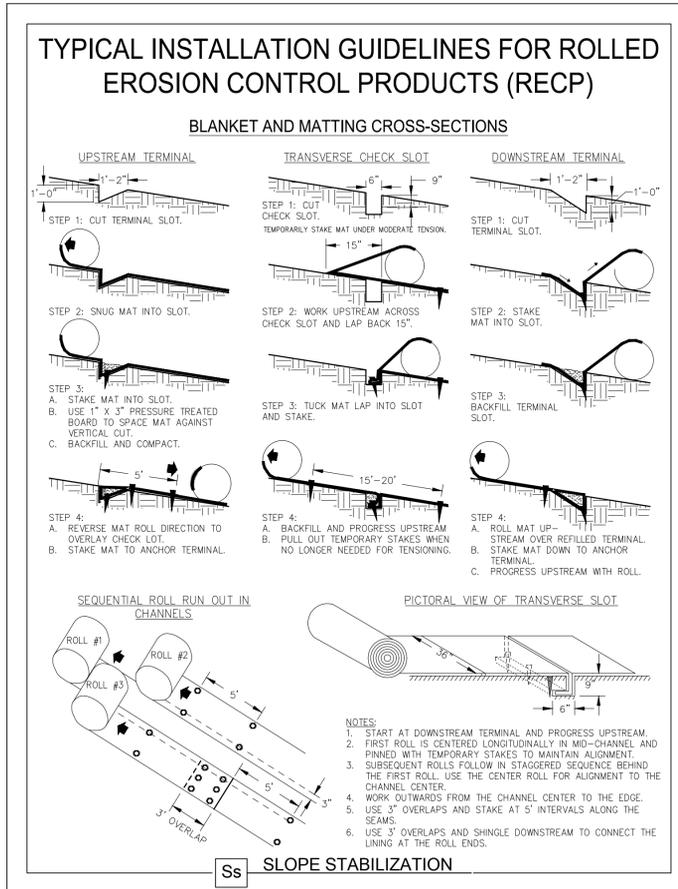
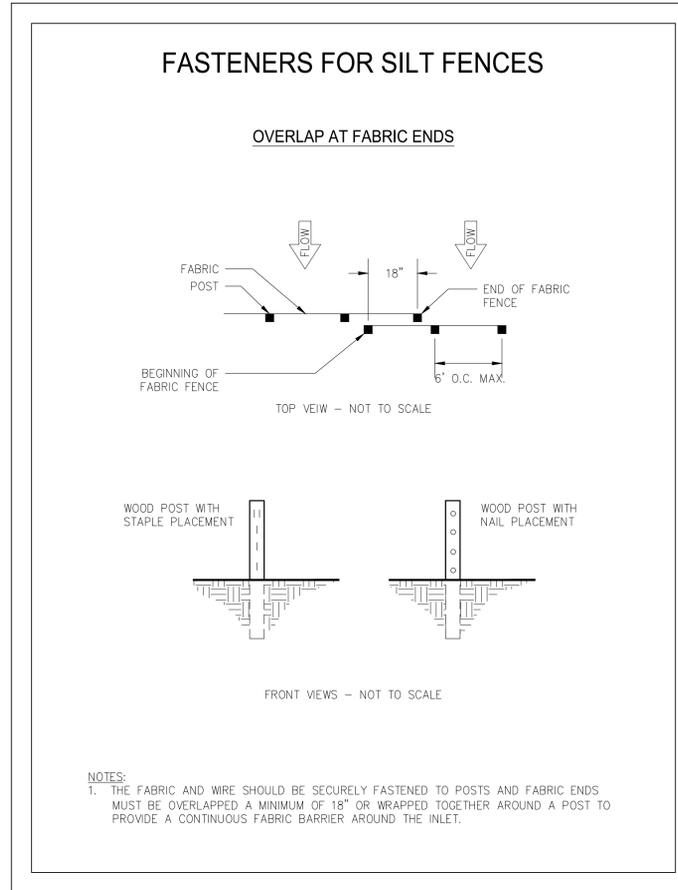
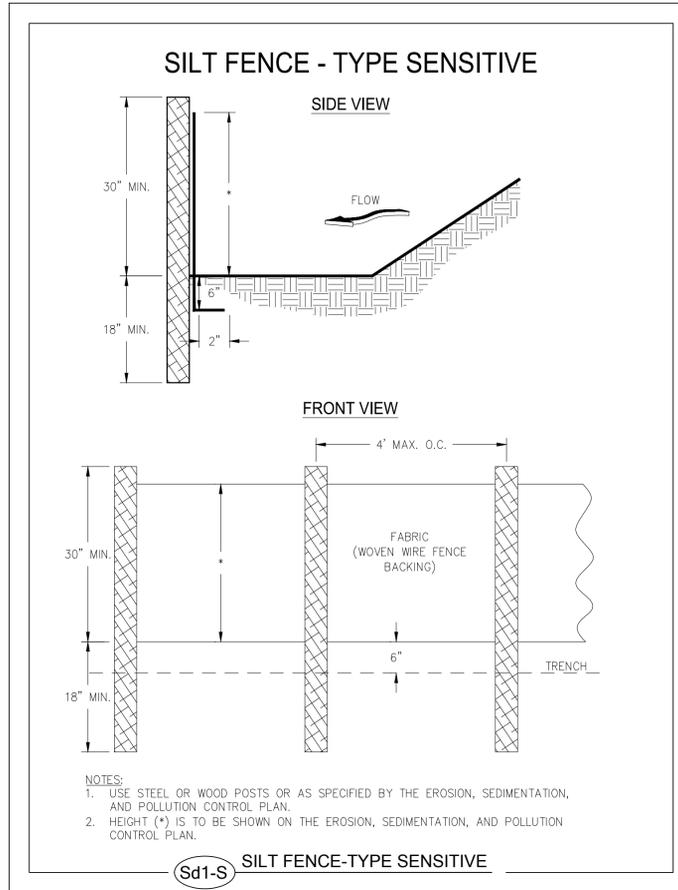
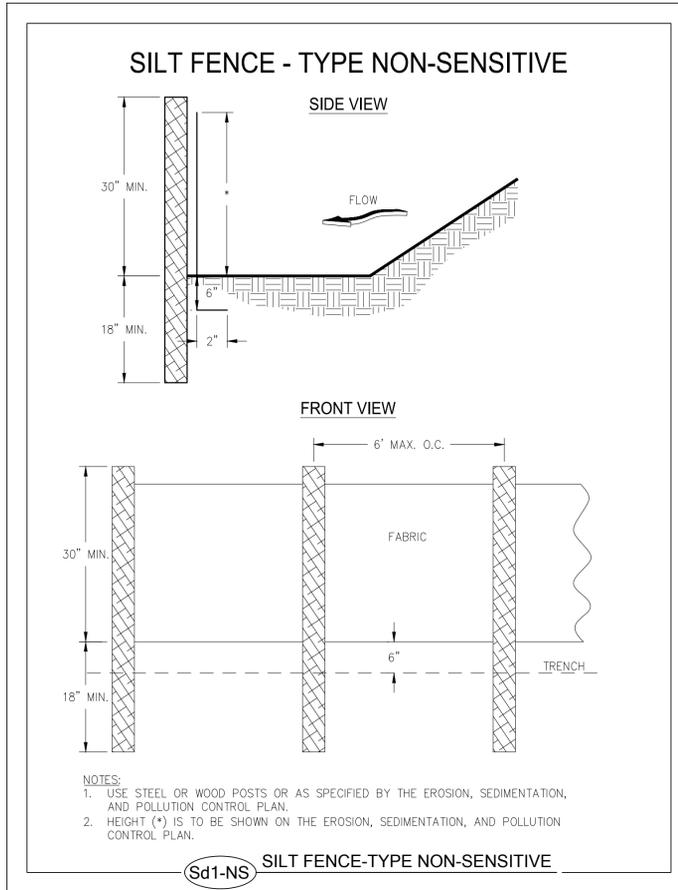
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
AwC	Ashlar-Pacolet-Wedowee complex, 4 to 15 percent slopes	13.5	1.3%
AwE	Ashlar-Pacolet-Wedowee complex, 15 to 25 percent slopes	9.3	0.9%
CCA	Cartecay and Chewacla soils, frequently flooded	30.9	2.9%
CoB	Cecil sandy loam, 2 to 6 percent slopes	6.5	0.6%
CoC	Cecil sandy loam, 6 to 10 percent slopes	1.2	0.1%
GeB	Gwinnett sandy loam, 2 to 6 percent slopes	5.7	0.5%
GeC	Gwinnett sandy loam, 6 to 10 percent slopes	4.6	0.4%
GeD	Gwinnett sandy loam, 10 to 15 percent slopes	5.6	0.5%
GwC2	Gwinnett sandy clay loam, 6 to 10 percent slopes, eroded	8.3	0.8%
GwE2	Gwinnett sandy clay loam, 15 to 25 percent slopes, eroded	0.3	0.0%
MaB	Madison sandy loam, 2 to 6 percent slopes	16.2	1.5%
MaC	Madison sandy loam, 6 to 10 percent slopes	9.1	0.9%
MaD	Madison sandy loam, 10 to 15 percent slopes	1.3	0.1%
MaE	Madison sandy loam, 15 to 25 percent slopes	1.1	0.1%
MdC2	Madison sandy clay loam, 2 to 10 percent slopes, eroded	13.3	1.3%
MdD2	Madison sandy clay loam, 10 to 15 percent slopes, moderately eroded	14.0	1.3%
PaB	Pacolet sandy loam, 2 to 6 percent slopes	20.6	1.9%
PaC	Pacolet sandy loam, 6 to 10 percent slopes	32.6	3.1%
PaD	Pacolet sandy loam, 10 to 15 percent slopes	11.2	1.1%
PID2	Pacolet sandy clay loam, 10 to 15 percent slopes, moderately eroded	7.6	0.7%
TCA	Toccoa and Congaree soils, frequently flooded	7.4	0.7%
WeC	Wedowee sandy loam, 6 to 10 percent slopes	3.2	0.3%
WeD	Wedowee sandy loam, 10 to 15 percent slopes	20.5	1.9%



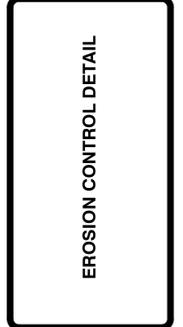
No.	DATE	DESCRIPTION	REVISION	
			No.	DATE
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-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

EROSION CONTROL NOTES 2

DESIGNED BY: DAVID CERVONE
 DRAWN BY: BRANDON SCOTT
 CHECKED BY: DAVID CERVONE
 DATE: 01/31/2019
 FILE NAME: INTERCONNECT GWINNETT



REVISION		No.	DATE	DESCRIPTION
1	08/19/2020	FOR BIDDING		



DESIGNED BY: DAVID CERVONE
 DRAWN BY: BRANDON SCOTT
 CHECKED BY: DAVID CERVONE
 DATE: 01/31/2019
 FILE NAME: INTERCONNECT OWNERS