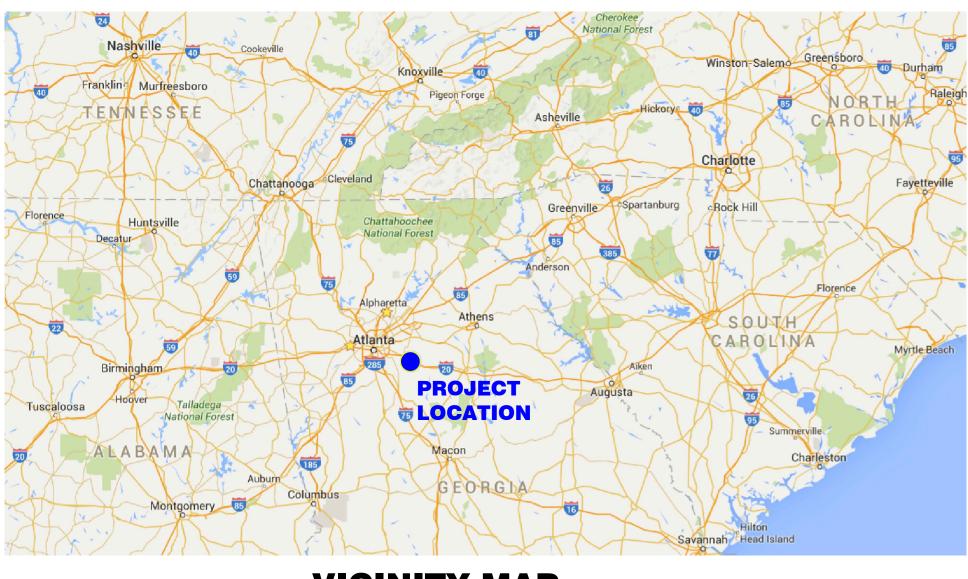
ROCKDALE WATER RESOURCES CONYERS OUTLOTS - TRACT 1 & 2 8 INCH WATER LINE EXTENSION



VICINITY MAP

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. 30094 CONTACT: DAVID CERVONE (770) 278–7486

1925 GA. HIGHWAY 20 SE SITE ADDRESS: CONYERS, GA. 30013



LOCATION MAP NTS

	C.F.O.R.G. I C.F.O.R.G. I Tar. D. D. C.F. P. 190-000-3 Tar. D. D. C. P. 100-00-3 D. C. M. C. IND. C. C. P. 100-00-0 D. C. M. C. IND. C. C. F. 100-00-0 D. C. M. C. IND. C. F. 100-00-0 D. C. M. C. IND. C. F. 100-00-0 D. C. M. C. IND. C. IND. C. IND. C. 100-00-0 D. C. M. C. IND.							
	ROCKDALE WATER RESOURCES							
			Utilities Protection Center, Inc.	Know what's below.	Call before you dig.			
	DESCRIPTION	1	1	1	1	1	-	
NOI	No. DATE	-/-/-	-/-/-	-/-/-	-/-/-	-/-/-	-/-/-	
REVISION	No.	1	1	1	I	1	1	
	DESCRIPTION	FOR BIDDING	-	-	1	1	1	
	No. DATE	10/9/2019	-/-/-	-/-/-	-/-/-	-/-/-	-/-/-	
TITLE, VICINITY AND LOCATION								
DESIGNED BY: DAVID CERVONE DRAWN BY: WALT BOBO CHECKED BY: DAVID CERVONE DATE: 08/07/2019 FILE NAME: CONYERS OUTLOTS 1&2 SHEET								
	G	_	0	C)			

	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	PLAN AND PROFILE					
6	C-02	CIVIL DETAILS					
7	C-03	CIVIL DETAILS - GDOT PAVEMENT PATCHING DETAILS					
8	C-04	EROSION CONTROL PLAN					
9	C-05	EROSION CONTROL NOTES					
10	C-06	EROSION CONTROL NOTES					
11	C-07	EROSION CONTROL DETAILS					

ABBREVIATIONS						
BLDG	BUILDING					
CL	CENTER LINE					
DIA	DIAMETER					
DIP	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					
LP	LAMP POST					
RCP	REINFORCED CONCRETE PIPE					
RD	ROAD					
RWR	ROCKDALE WATER RESOURCES					
R/W	ROAD RIGHT OF WAY					
СВ	CATCH BASIN					
SWCB	SINGLE WING CATCH BASIN					
DWCB	DOUBLE WING CATCH BASIN					
JB	JUNCTION BOX					
DI	DROP INLET					
YI	YARD INLET					
HW	HEADWALL					
МН	MANHOLE					
SSMH	SANITARY SEWER MANHOLE					
STA	STATION					
INV	INVERT					
PROP	PROPOSED					

	LEGEND
	UTILITY POLE
	STREET SIGN
\bigcirc	REVISION CLOUD
	SOIL BORE LOCATION
810	CONTOURS-EXISTING
G	GAS MAIN
P	OVERHEAD POWER
т	UNDER GROUND TELEPHONE
	EXISTING PAVEMENT
¢	WATER-HYDRANT PROPOSED
	WATER-METER EXISTING
WM	WATER-METER PROPOSED
	WATER-VALVE EXISTING
	WATER-VALVE PROPOSED
	THRUST BLOCKING
8W	WATER-EXISTING MAIN & SIZE
8W	WATER-PROPOSED MAIN & SIZE
SS	SEWER-EXISTING
	CONSTRUCTION LIMITS
\bigcirc	STORM WATER-JUNCTION BOX EXISTING
0	STORM WATER-SINGLE WING CATCH BASIN EXISTING
	STORM WATER-DOUBLE WING CATCH BASIN EXISTING
\bigcirc	STORM WATER-CIRCULAR WEIR INLET EXISTING
	STORM WATER-RECTANGULAR WEIR INLET EXISTING
	STORM WATER-CIRCULAR GRATED
	STORM WATER-RECTANGULAR GRATED INLET EXISTING
	STORM WATER-EXISTING MAIN, SIZE & FLOW

SHEET

PIPELINE CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL PREPARE AND SUBMIT A TRAFFIC CONTROL PLAN IN ACCORDANCE WITH GDOT REQUIREMENTS. REFER TO GDOT SPECIAL PROVISION.

2.0PEN 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. IDENTITY 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. SERVICE SHALL NOT BE INHIBITED FOR MORE THAN 6 HOURS. ONLY TWO (2) SHUTDOWNS WILL BE ALLOWED UNDER THIS CONTRACT FOR THE LOCAL WATER SERVICE. WORK INVOLVING CONNECTION TO THE 8" LINE SHALL BE SCHEDULED WITH RWR.

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. HORIZONTAL STATIONING ALONG THE PIPELINE ALIGNMENT IS FOR LEVEL LINE MEASUREMENT AND FOR PAYMENT OF THE PIPELINES. FURNISH AND INSTALL THE ACTUAL PIPE LENGTH TO BE DETERMINED BY THE SLOPE OR CURVE ON WHICH THE PIPE IS INSTALLED.

16. RESTRAINED JOINTS SHALL BE PROVIDED FOR BURIED PIPING AS INDICATED ON THE DRAWINGS OR AS SCHEDULED IN THE SPECIFICATIONS.

17. ALL VALVE BOXES SHALL BE SET TO FINISH GRADE.

18. ALL TRENCH EXCAVATION SHALL COMPLY WITH THE MOST CURRENT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION STANDARDS.

19. DELETERIOUS MATERIALS AND EXCAVATED MATERIALS NOT USED IN BACKFILL OR GRADING SHALL BE REMOVED FROM SITE AND LEGALLY DISPOSED OF.

20.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.

21. ALL PIPES SHALL HAVE A CONSTANT SLOPE BETWEEN INVERT ELEVATIONS UNLESS A FITTING IS SHOWN.

22. 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.

23. CONTRACTOR MAY BE REQUIRED TO USE TEMPORARY TESTING OF PROPOSED WATER LINES. TEMPORARY PLUGS SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS ITEMS BID.

24.PRESSURE TEST WATER LINES AFTER ALL UTILITIES ARE INSTALLED AND BACKFILL IS ACCEPTED. PRESSURE TEST SHALL BE IN ACCORDANCE WITH SPECIFICATION.

25.DISINFECTION OF WATER LINES SHALL BE IN ACCORDANCE WITH SPECIFICATION.

26. 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.

3.0BTAIN 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 FACILITES, 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 SATIFACTION 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.

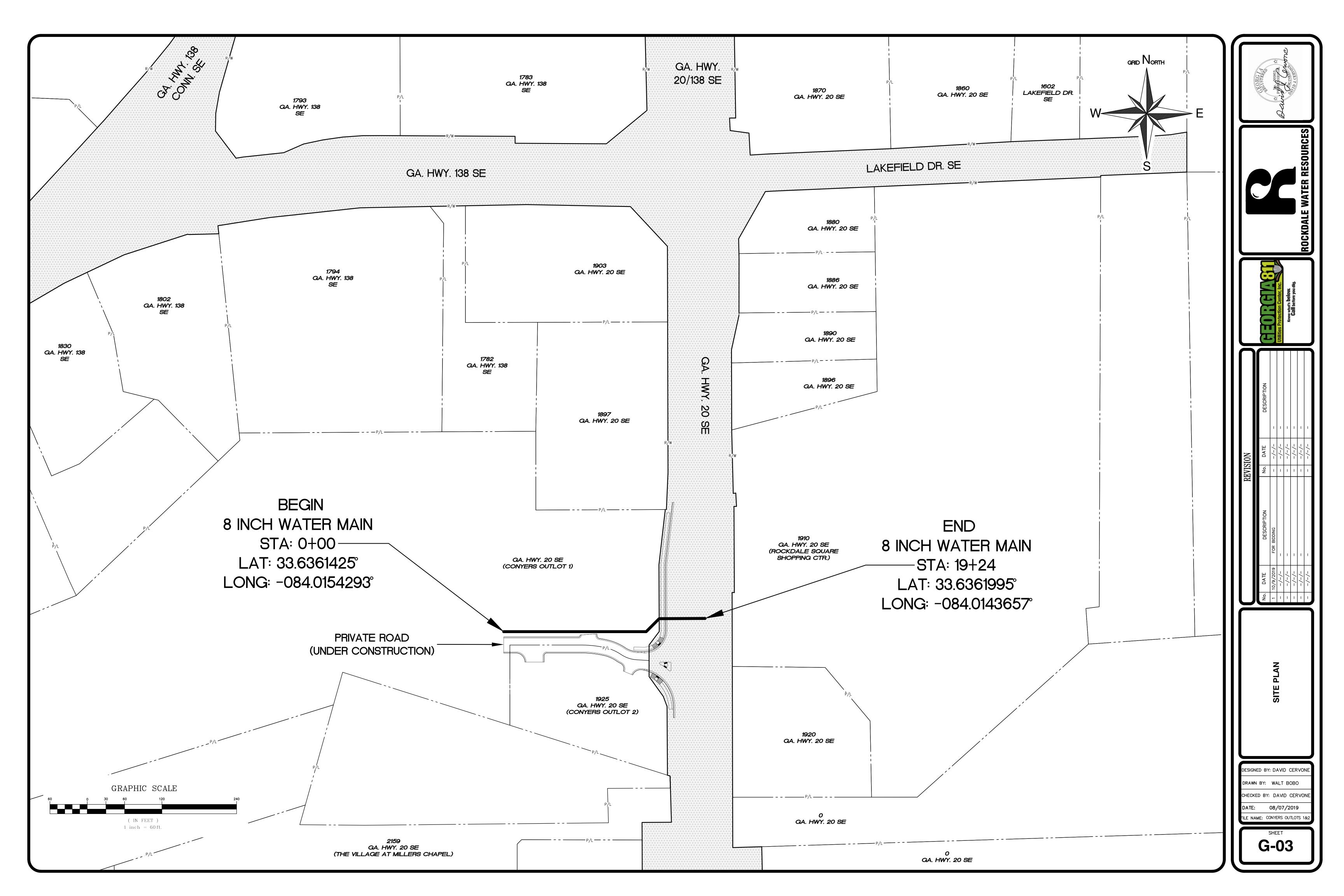
17. STAGING AREA SHALL BE FOR CONTRACTOR'S EMPLOYEE PARKING, CONTRACTOR'S TRAILERS AND ON-SITE STORAGE OF MATERIALS FOR THIS PROJECT ONLY.

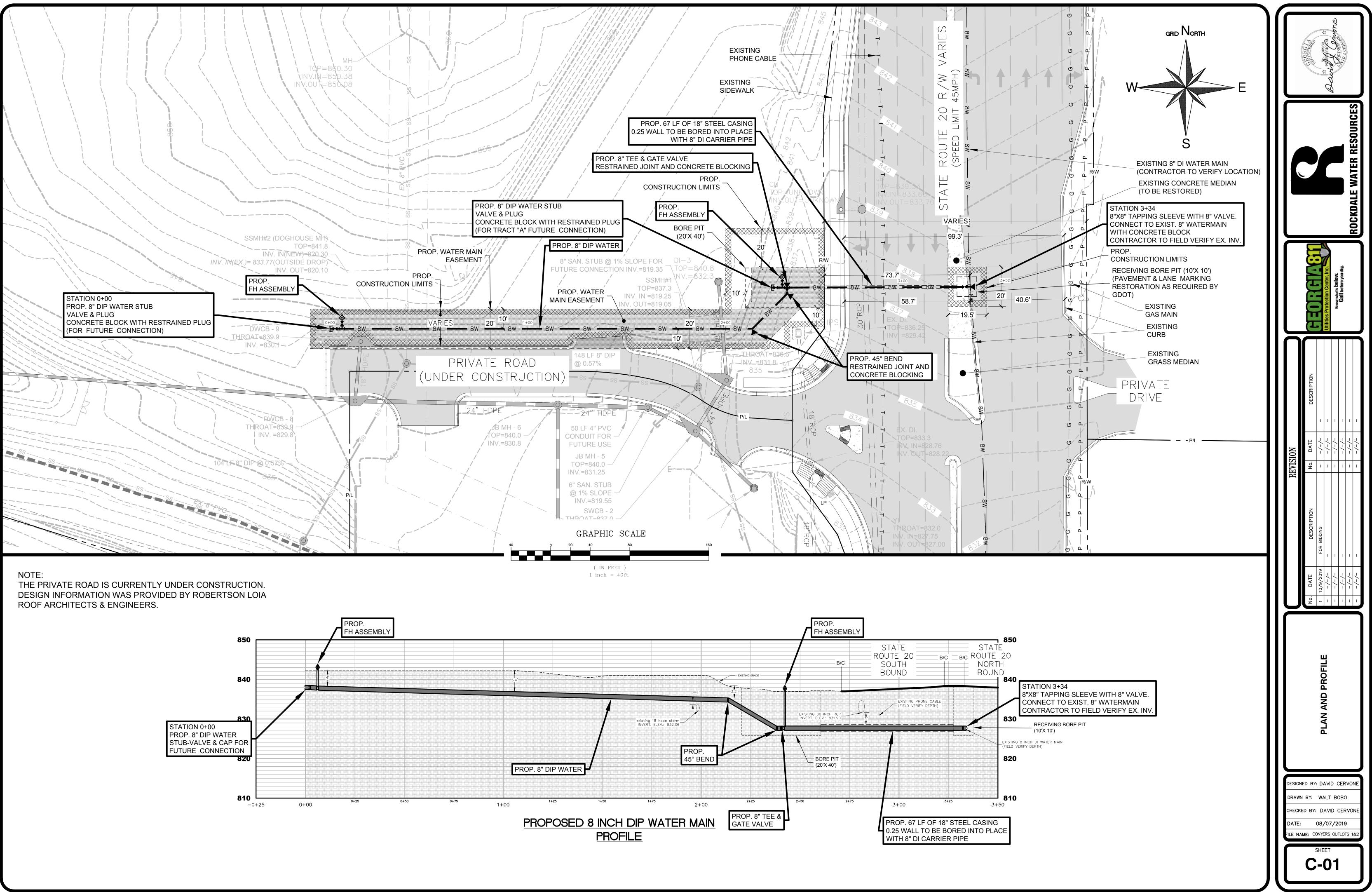
18. CONDUCT OPERATIONS TO RESULT IN THE LEAST POSSIBLE OBSTRUCTION INCONVENIENCE TO THE PUBLIC, AND HAVE UNDER CONSTRUCTION NO GREATER LENGTH OR AMOUNT OF WORK THAT CAN BE PERFORMED PROPERLY WITH DUE REGARD TO THE RIGHTS OF THE PUBLIC OR AS STATED IN THE PERMITS. CONVIENT ACCESS TO DRIVEWAYS, HOUSES AND BUILDINGS ALONG THE WORK SHALL BE MAINTAINED.

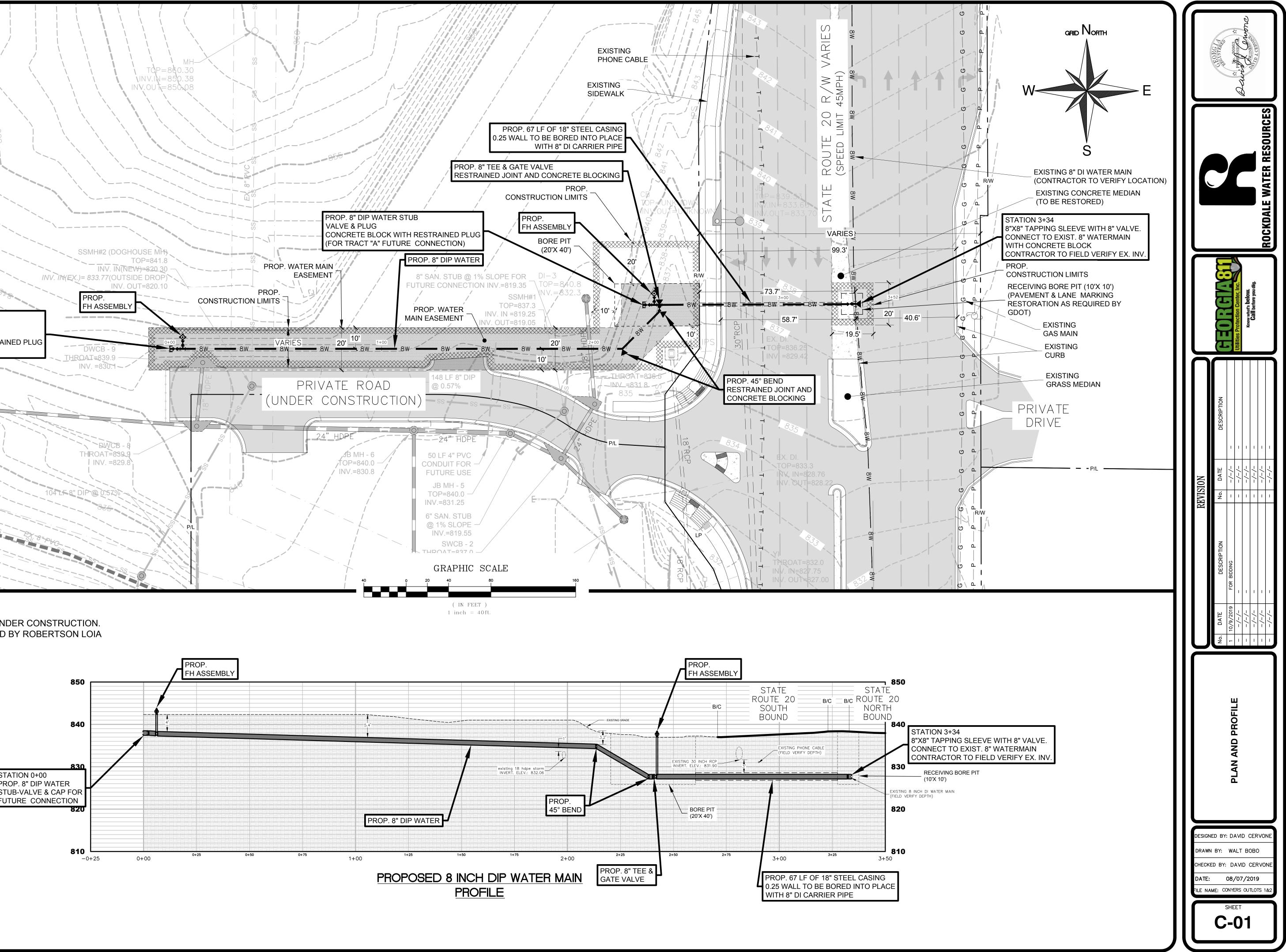
TOPOGRAPHIC MAPPING

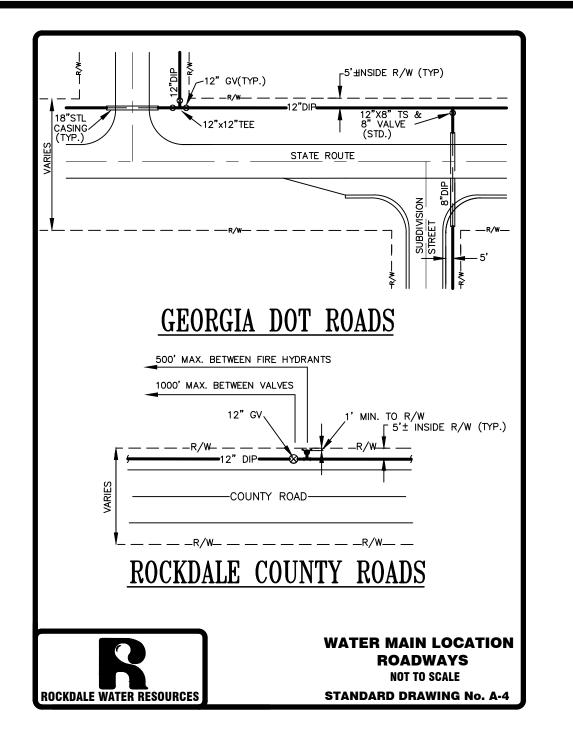
THE TOPOGRAPHIC/PLANIMETRIC INFORMATION SHOWN HEREON WAS COMPILED FROM DATA COLLECTED FROM ROCKDALE WATER RESOURCES(RWR) GEOGRAPHIC INFORMATION SYSTEM MAP LAYERS, ROBERTSON LOIA ROOF, ARCHITECTS & ENGINEERS AND SURVEY BY LONDON LAND SURVEYING & ASOCIATES, INC.

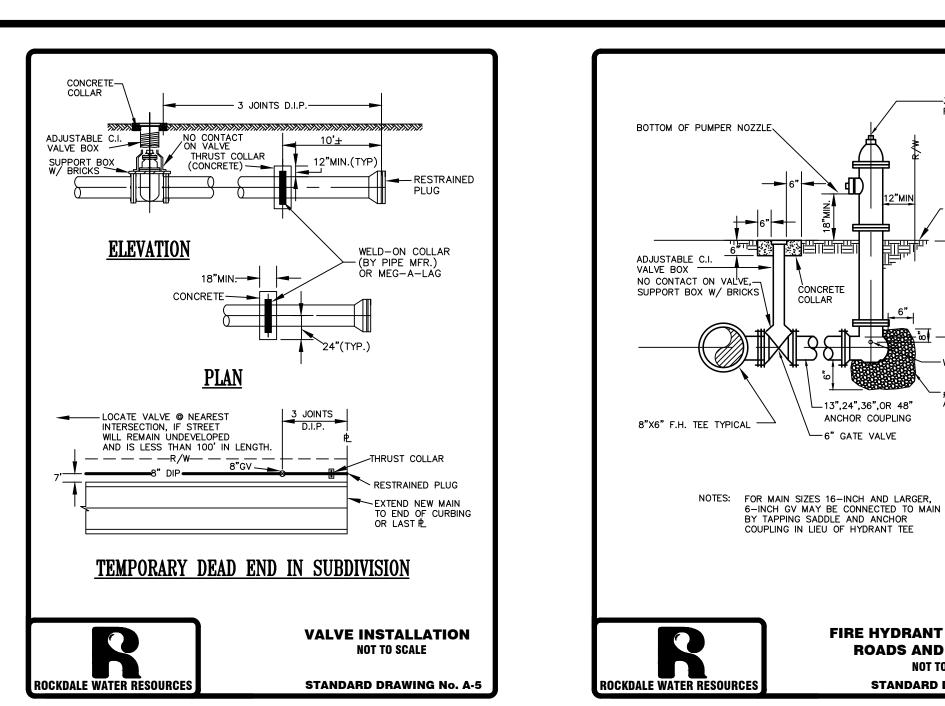
	CEORGIA AUTO ROAD AUTO PORSESSIONAL AT AUTO A CERTOR						
						POCKPALE WATER DECOMPLES	KUUNDALE WAIEK KESUUKUES
			Utilities Protection Center, Inc.	Know what's below .	Call before you dig.		
	DESCRIPTION	1	1		1	I	-
REVISION	No. DATE	-/-/	-/-/	-/-/	-/-/	-/-/	-/-/- -
	DESCRIPTION	FOR BIDDING	1		1	I	1
	No. DATE	1 10/9/2019	-/-/	-/-/	-/-/	-/-/	-/-/
	GENERAL NOTES						
DESIGNED BY: DAVID CERVONE DRAWN BY: WALT BOBO CHECKED BY: DAVID CERVONE DATE: 08/07/2019 FILE NAME: CONYERS OUTLOTS 1&2 SHEET							
l	G-02						

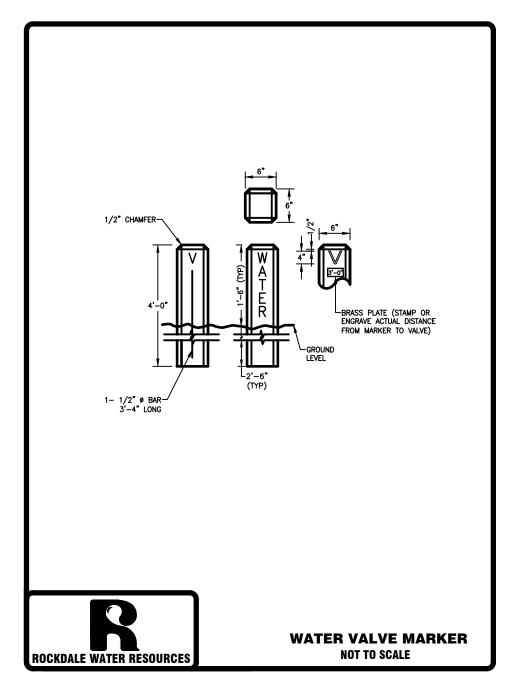


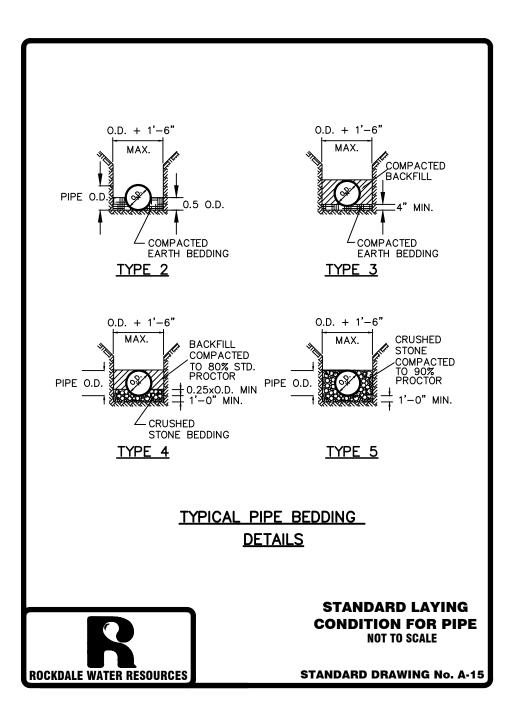


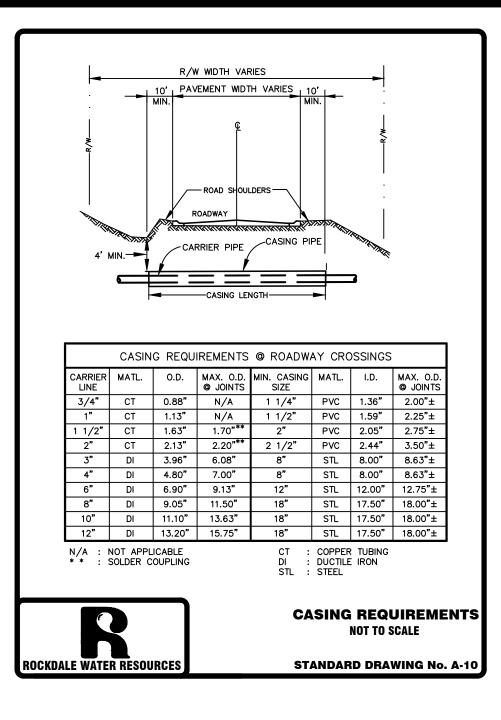


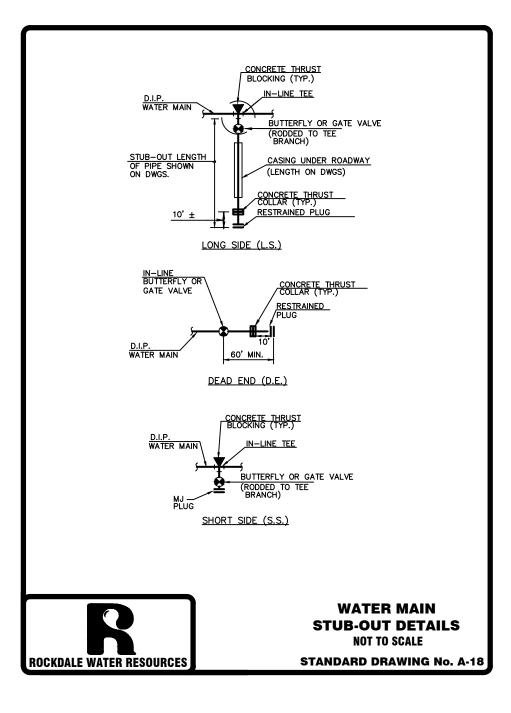


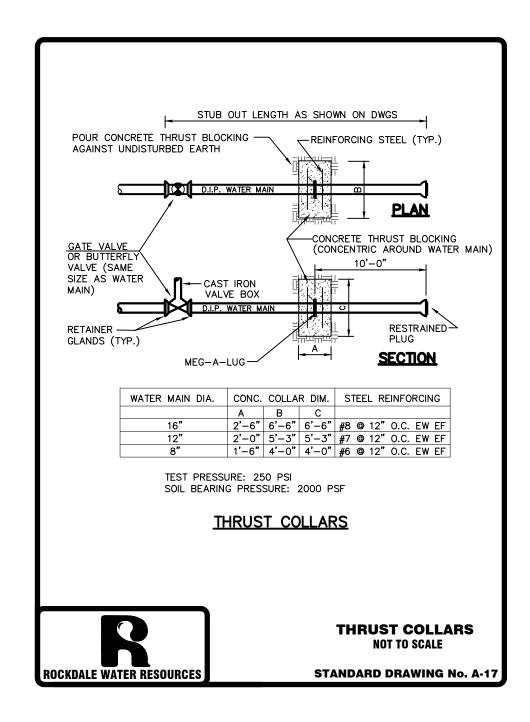












-3-WAY

12"MI

ANCHOR COUPLING

6" GATE VALVE

CONCRETE

FIRE HYDRANT

- EXISTING GROUND

WEEP HOLE

- #57 STONE

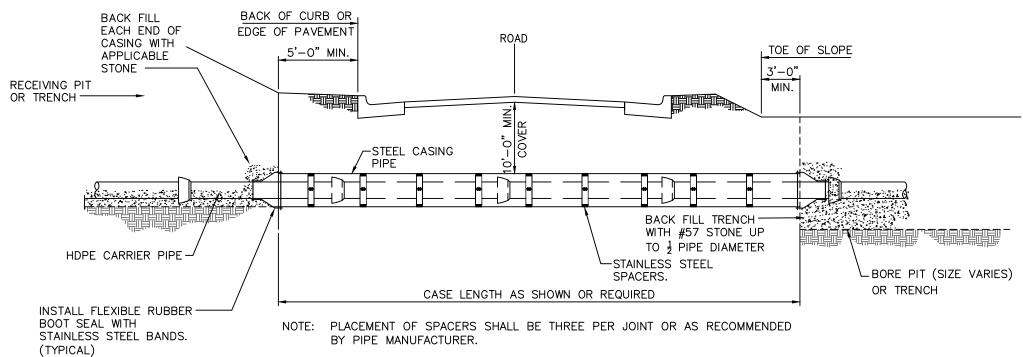
L13",24",36",OR 48" ALL AROUND SHOE

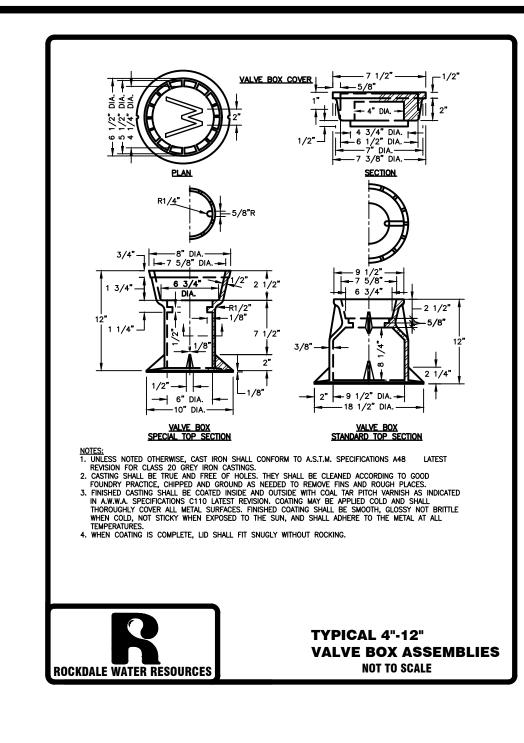
FIRE HYDRANT INSTALLATION

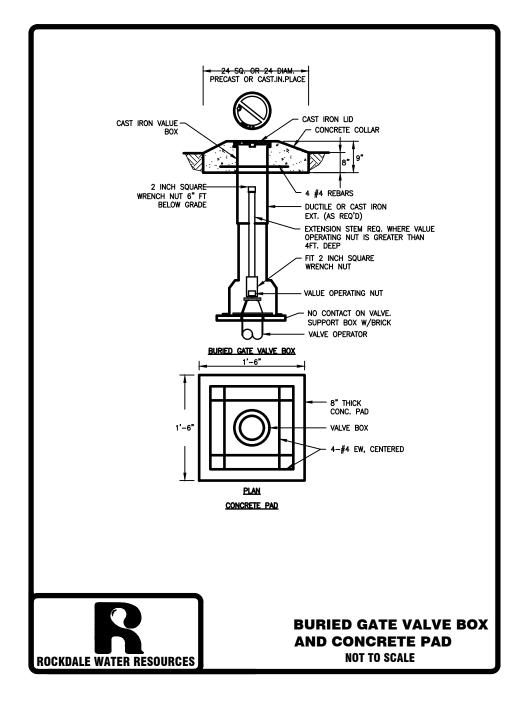
ROADS AND HIGHWAYS

NOT TO SCALE

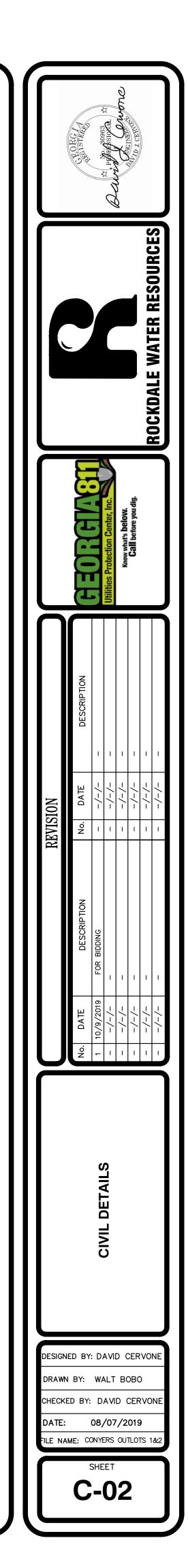
STANDARD DRAWING No. A-7

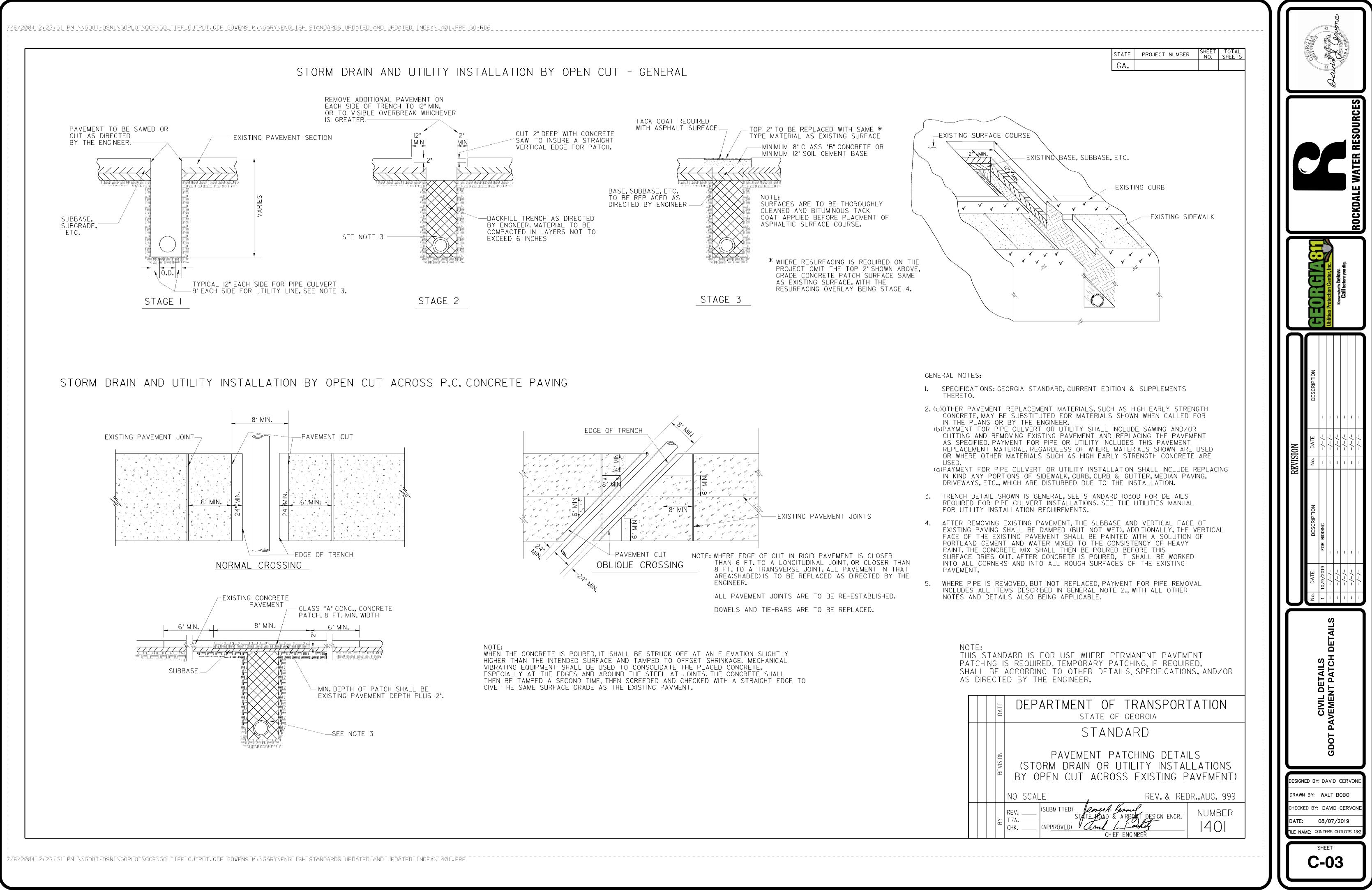




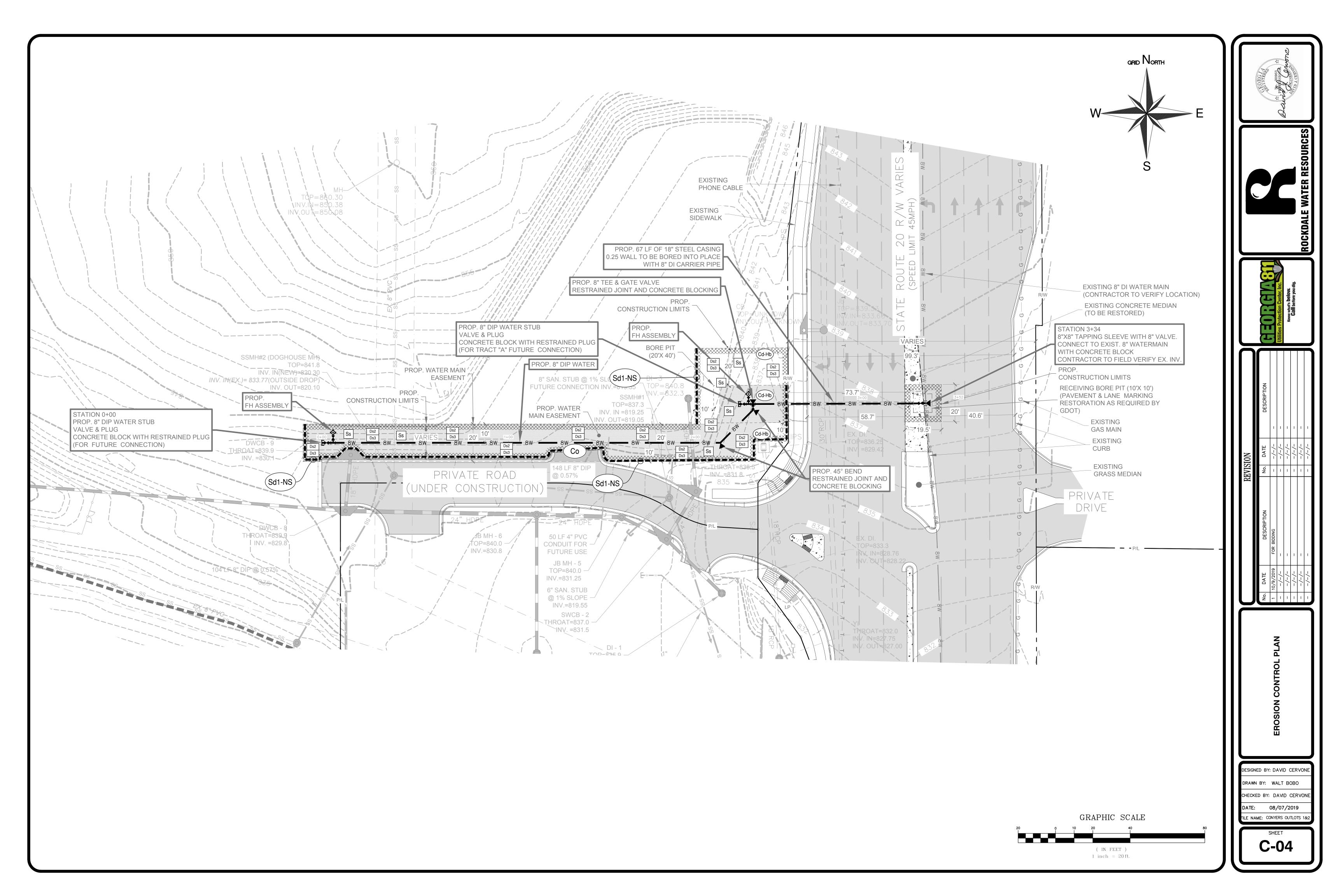


TYPICAL JACK AND BORE DETAIL





NOTE:	NOTE
WHEN THE CONCRETE IS POURED,IT SHALL BE STRUCK OFF AT AN ELEVATION SLIGHTLY	THIS
HIGHER THAN THE INTENDED SURFACE AND TAMPED TO OFFSET SHRINKAGE. MECHANICAL	PAT
VIBRATING EQUIPMENT SHALL BE USED TO CONSOLIDATE THE PLACED CONCRETE,	
ESPECIALLY AT THE EDGES AND AROUND THE STEEL AT JOINTS. THE CONCRETE SHALL	SHAL
THEN BE TAMPED A SECOND TIME, THEN SCREEDED AND CHECKED WITH A STRAIGHT EDGE TO	AS L
GIVE THE SAME SURFACE GRADE AS THE EXISTING PAVMENT.	



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

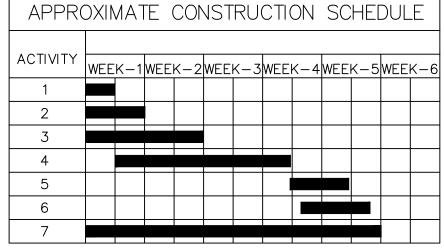
- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION CONTROL CREATED BY DRAINAGE PATTERNS AT VARIOUS STAGES DURING CONSTRUCTION. EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES.
- 2. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION 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 APPROXIMATELY 334 LINEAR FEET OF 8-INCH DUCTILE IRON WATER MAIN. THE PIPE WILL BE INSTALLED UNDER GEORGIA SR 20 CONNECTING INTO AN EXISTING 8-INCH WATER MAIN THEN RUNNING WEST ALONG THE NORTH SIDE OF A PRIVATE ROAD. TOTAL PROJECT ACREAGE AND DISTURBED ACREAGE IS 0.16 IN ROCKDALE 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.**

	CEORGIA CONCINA CONCIN						
	ROCKDALE WATER RESOURCES						
	LEANANCE		Utilities Protection Center, Inc.	Know what's below.	Call before you dig.		
N	No. DATE DESCRIPTION	-/-/-	-/-/-	-/-/-	-/-/-	-/-/-	-/-/-
REVISION	DESCRIPTION No.	FOR BIDDING -	1	1	1	1	1
U	No. DATE	1 10/9/2019	-/-/	-/-/	-/-/	-/-/	-/-/
EROSION CONTROL NOTES							
DESIGNED BY: DAVID CERVONE DRAWN BY: WALT BOBO CHECKED BY: DAVID CERVONE DATE: 08/07/2019 FILE NAME: CONYERS OUTLOTS 1&2 SHEET C-05							



Custom Soil Resource Report

MAP INFORMATION MAP LEGEND The soil surveys that comprise your AOI were mapped at Spoil Area Area of Interest (AOI) 1:12,000. Area of Interest (AOI) Stony Spot Soils Very Stony Spot Warning: Soil Map may not be valid at this scale. Soil Map Unit Polygons Ŷ Wet Spot Soil Map Unit Lines -Enlargement of maps beyond the scale of mapping can cause Other \triangle misunderstanding of the detail of mapping and accuracy of soil Soil Map Unit Points line placement. The maps do not show the small areas of Special Line Features Special Point Features contrasting soils that could have been shown at a more detailed Water Features Blowout scale. Streams and Canals ~ \boxtimes Borrow Pit Transportation Please rely on the bar scale on each map sheet for map 💥 Clay Spot measurements. Rails +++ Closed Depression \diamond \sim Interstate Highways Source of Map: Natural Resources Conservation Service Gravel Pit Web Soil Survey URL: US Routes ----Coordinate System: Web Mercator (EPSG:3857) Gravelly Spot Major Roads ~ Landfill Local Roads Maps from the Web Soil Survey are based on the Web Mercator ~ projection, which preserves direction and shape but distorts Lava Flow Background distance and area. A projection that preserves area, such as the and the second Aerial Photography Marsh or swamp Albers equal-area conic projection, should be used if more 446 accurate calculations of distance or area are required. 2 Mine or Quarry Miscellaneous Water This product is generated from the USDA-NRCS certified data as of the version date(s) listed below. Perennial Water Nock Outcrop Soil Survey Area: Newton and Rockdale Counties, Georgia Survey Area Data: Version 11, Sep 15, 2018 Saline Spot Sandy Spot Soil map units are labeled (as space allows) for map scales 1:50,000 or larger. Severely Eroded Spot Sinkhole Date(s) aerial images were photographed: Mar 1, 2016—Sep 27, 2017 Slide or Slip Sodic Spot The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
CCA	Cartecay and Chewacla soils, frequently flooded	6.1	3.7%
СеВ	Cecil sandy loam, 2 to 6 percent slopes	36.5	22.1%
CeC	Cecil sandy loam, 6 to 10 percent slopes	20.9	12.7%
CfC2	Cecil sandy clay loam, 6 to 10 percent slopes, eroded	3.8	2.3%
РаВ	Pacolet sandy loam, 2 to 6 percent slopes	4.3	2.6%
PaC	Pacolet sandy loam, 6 to 10 percent slopes	16.8	10.2%
PaD	Pacolet sandy loam, 10 to 15 percent slopes	13.9	8.4%
PaE	Pacolet sandy loam, 15 to 25 percent slopes	2.1	1.3%
PfC2	Pacolet sandy clay loam, 2 to 10 percent slopes, eroded	4.2	2.5%
PfD2	Pacolet sandy clay loam, 10 to 15 percent slopes, moderately eroded	31.7	19.3%
W	Water	4.1	2.5%
WeB	Wedowee sandy loam, 2 to 6 percent slopes	17.9	10.9%
WeC	Wedowee sandy loam, 6 to 10 percent slopes	2.5	1.5%
Totals for Area of Interest		164.8	100.0%

