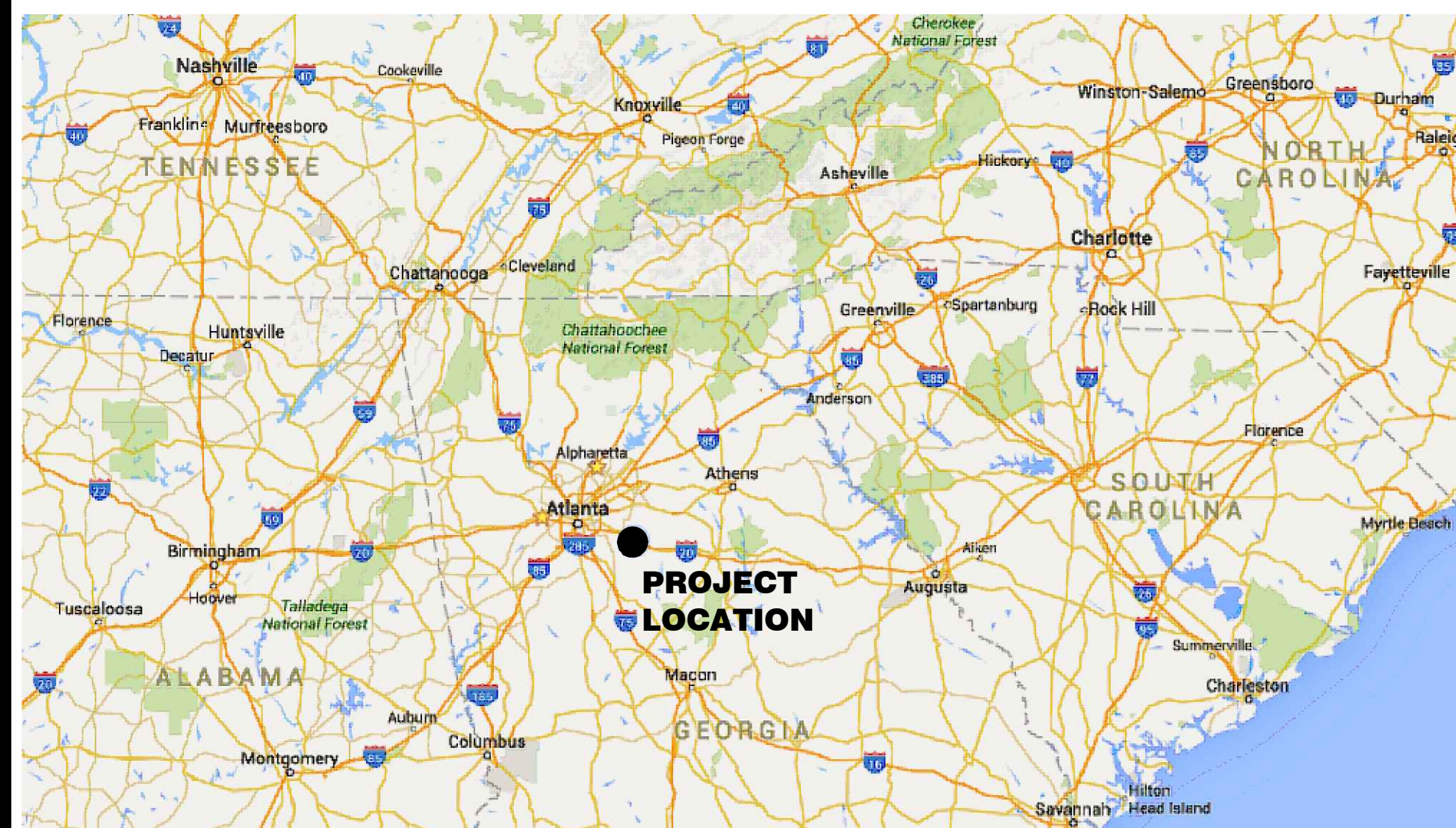


ROCKDALE WATER RESOURCES

FIELDSTONE PUMP STATION ELIMINATION



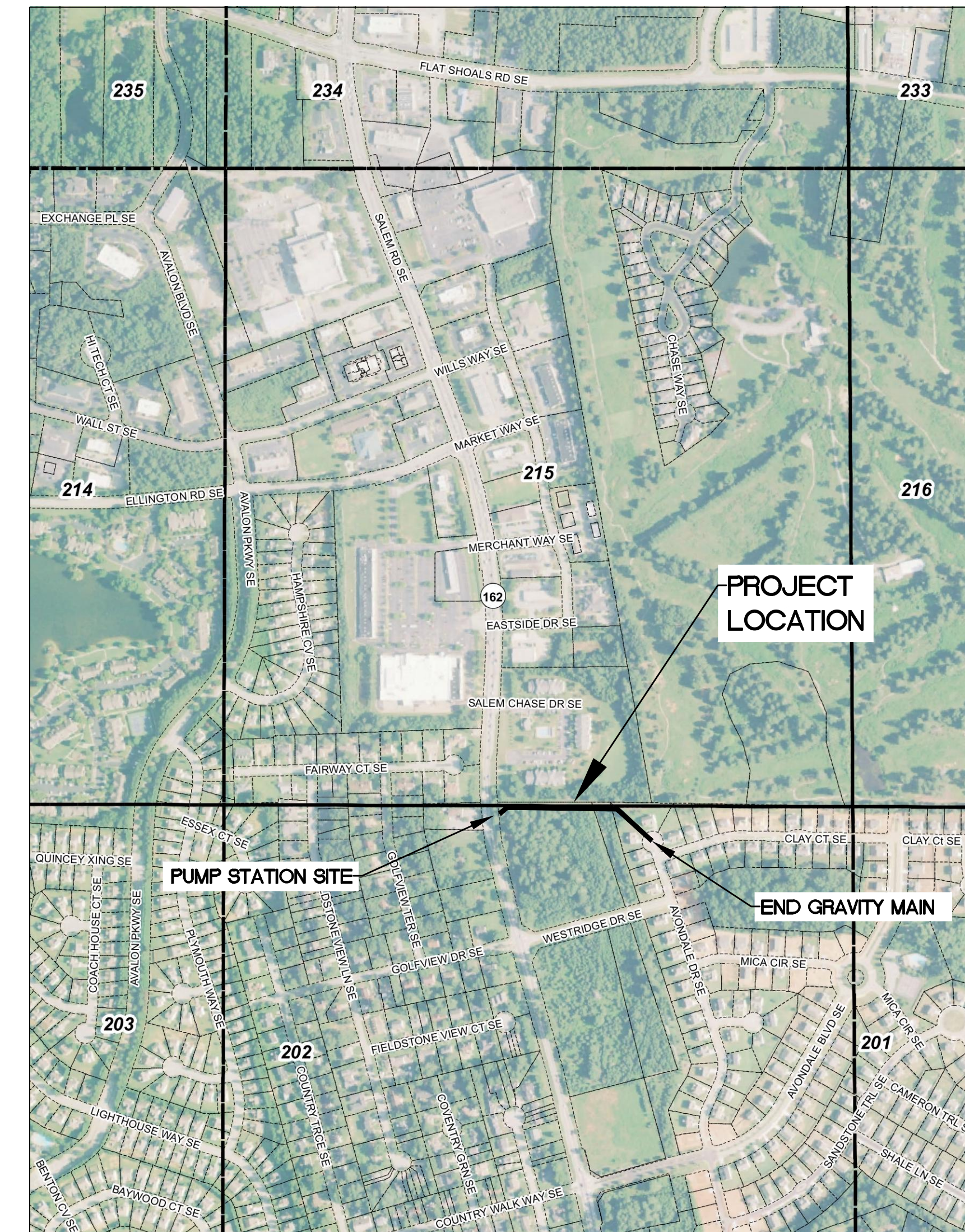
VICINITY MAP
NTS

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: SALEM ROAD SE
CONYERS, GA. 30013

NOTE:
GRAPHIC SCALE BASED ON 24"X36" PLAN SIZE.



LOCATION MAP
NTS



REVISION		No.	DATE	DESCRIPTION
1	ISSUED FOR BID	1	2/9/2021	
2		1	-/-	
3		1	-/-	
4		1	-/-	
5		1	-/-	

TITLE, VICINITY AND LOCATION

DESIGNED BY: DAVID CERVONE
DRAWN BY: WALT BOBO
CHECKED BY: DAVID CERVONE
DATE: 04/15/2020
FILE NAME: FIELDSTONE PUMP STA. ELIMINATION

SHEET
G-00

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	PUMP STATION SITE DEMOLITION
7	C-03	CIVIL 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
12	C-08	EROSION CONTROL DETAILS

ABBREVIATIONS	
BLDG	BUILDING
CO-SS	SEWER CLEAN OUT
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
PVC	POLYVINYL CHLORIDE
HDPE	HIGH-DENSITY POLYETHYLENE
DR	DRIVE
ELEV	ELEVATION
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
NTS	NOT TO SCALE
O.D.	OUTSIDE DIAMETER

ABBREVIATIONS	
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
LP	LAMP POST
P/L	PROPERTY LINE
RWR	ROCKDALE WATER RESOURCES
R/W	ROAD RIGHT OF WAY
CB	CATCH BASIN
SWCB	SINGLE WING CATCH BASIN
DWCB	DOUBLE WING CATCH BASIN
JB	JUNCTION BOX
DI	DROP INLET
YI	YARD INLET
HW	HEADWALL
MH	MANHOLE
SSMH	SANITARY SEWER MANHOLE
STA	STATION
BC	BACK OF CURB
INV	INVERT
FES	FLARED END SECTION
PROP	PROPOSED

SEWER LEGEND	
	S SEWER-MANHOLE EXISTING
	S SEWER-MANHOLE PROPOSED
	S SEWER-CLEAN OUT EXISTING
	S SEWER-EXISTING MAIN, SIZE & FLOW
	S SEWER-PROPOSED MAIN

WATER LEGEND	
	WATER-HYDRANT EXISTING
	WATER-METER EXISTING
	WATER-VALVE EXISTING
	WATER-EXISTING SERVICE LINE
	WATER-EXISTING MAIN & SIZE

STORM LEGEND	
	STORM WATER-JUNCTION BOX EXISTING
	STORM WATER-SINGLE WING CATCH BASIN EXISTING
	STORM WATER-DOUBLE WING CATCH BASIN EXISTING
	STORM WATER-FLARED END SECTION(FES)
	STORM WATER-RECTANGULAR WEIR INLET EXISTING
	STORM WATER-CIRCULAR GRATED INLET EXISTING
	STORM WATER-RECTANGULAR GRATED INLET EXISTING
	STORM WATER-EXISTING MAIN & SIZE
	STORM WATER-EXISTING MAIN

GENERAL LEGEND	
	UTILITY POLE
	POWER POLE
	LAMP POST
	POWER JUNCTION BOX
	COMMUNICATION BOX
	POWER BOX PANEL
	STREET SIGN
	REVISION CLOUD
	SOIL BORE LOCATION
	CONTOURS-EXISTING
	GAS MAIN
	OVERHEAD POWER
	UNDER GROUND POWER
	OVERHEAD COMMUNICATION
	UNDER GROUND COMMUNICATION
	CONSTRUCTION LIMITS
	EXISTING PAVEMENT



REVISION			
No.	DATE	DESCRIPTION	ISSUED FOR BID
1	2/9/2021		

DRAWING LIST, SYMBOLS & ABBREVIATIONS

DESIGNED BY: DAVID CERVONE
 DRAWN BY: WALT BOBO
 CHECKED BY: DAVID CERVONE
 DATE: 04/15/2020
 FILE NAME: FELDSTONE PUMP STA. DEMOLITION

SHEET
G-01

PIPELINE CONSTRUCTION NOTES:

1. PROVIDE TRAFFIC CONTROL IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
2. OPEN TRENCHES IN EXISTING ASPHALT SHALL BE PLATED OVERNIGHT WITH NON SKID STEEL PLATES.
3. ALL BACKFILL AND UNDISTURBED EARTH SHALL HAVE A MINIMUM DENSITY OF 90% STANDARD PROCTOR. COMPACTION UNDER ROADWAYS TO BE A MINIMUM OF 98% STANDARD PROCTOR DENSITY. TEST IN ACCORDANCE WITH ASTM D698.
4. UNLESS OTHERWISE NOTED, STATION ON PLANS REFERS TO CENTERLINE OF PIPELINE AND IS BASED ON HORIZONTAL DISTANCES.
5. 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.
6. 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.
7. PROTECT ALL EXISTING UTILITIES DURING CONSTRUCTION.
8. 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.
9. REPAIR DAMAGE TO LANDSCAPING, PAVING, UTILITIES, CURBS, GUTTERS, IRRIGATION, STRUCTURES, ETC., CAUSED BY THE WORK.
10. PAVEMENT CUTS SHALL BE PERFORMED BY SAW CUTTING OR GRINDING. RECUT PAVEMENT PRIOR TO REPAVING WHERE UNDERMINING HAS OCCURRED.
11. REPLACE TRAFFIC STRIPING OR STENCILING THAT IS OBLITERATED BY CONSTRUCTION TO THE SATISFACTION OF RWR.
12. SCHEDULE WITH RWR SHUTDOWNS NOT LESS THAN TWO WEEKS IN ADVANCE.
13. MAINTAIN 36" MINIMUM PIPELINE COVER PER RWR UNLESS OTHERWISE SHOWN ON THE PLANS OR UNLESS REDUCED DEPTH IS SPECIFICALLY APPROVED BY THE ENGINEER.
14. MAINTAIN A 10'-0" HORIZONTAL DISTANCE BETWEEN WATERLINE AND SANITARY SEWER PIPE LINES. MAINTAIN AN 18" VERTICAL SEPARATION BETWEEN WATERLINE AND SANITARY SEWER PIPE.
15. SHOULD ANY PAVEMENT BE DAMAGED AS A RESULT OF THE PROPOSED WORK, IT SHALL BE REPAIRED AND RESURFACED BY CONTRACTOR.
16. REMOVAL AND REPLACEMENT OF PAVEMENT SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS.
17. TRENCHES SHALL BE BACKFILLED IN ACCORDANCE WITH PLANS AND SPECIFICATION SECTION 02200.
18. 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.
19. ALL TRENCH EXCAVATION SHALL COMPLY WITH THE MOST CURRENT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION STANDARDS.
20. DELETERIOUS MATERIALS AND EXCAVATED MATERIALS NOT USED IN BACKFILL OR GRADING SHALL BE REMOVED FROM SITE AND LEGALLY DISPOSED OF.
21. 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.
22. ALL PIPES SHALL HAVE A CONSTANT SLOPE BETWEEN INVERT ELEVATIONS UNLESS A FITTING IS SHOWN.
23. ANY FENCES, MAILBOXES, OR OTHER PERMANENT STRUCTURES IN THE PATH OF THE PROPOSED SEWER LINE SHALL BE (IF NECESSARY) TEMPORARILY REMOVED PRIOR TO INSTALLATION AND REPLACED IN THE ORIGINAL LOCATION BEFORE GRASSING AND SEEDING. THESE TEMPORARILY REMOVED LINES MUST NOT REMAIN OUT OF SERVICE FOR MORE THAN 12 HOURS. MAILBOXES SHALL BE REPLACED, IF NECESSARY, AT NO ADDITIONAL COST TO THE OWNER.
24. CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL WORK, INCLUDING SPOIL PILES, BE PERFORMED WITHIN THE RIGHT-OF-WAY. IN AREAS WHERE THIS CAN NOT BE ACCOMPLISHED, OR WHERE THE SEWER LINE CROSSES PRIVATE PROPERTY, EASEMENT SHOULD BE OBTAINED.
25. SPOIL PILES ARE NOT TO BE PLACED ON THE PAVEMENT.
26. ALL DISTURBED DRAINAGE DITCHES AND SWALES SHALL BE RECONSTRUCTED TO THEIR ORIGINAL CONDITIONS TO PROVIDE POSITIVE DRAINAGE FOR UPSTREAM RUNOFF THROUGH DISTURBED AREA TO EXISTING DOWNSTREAM ELEMENTS OF THE DRAINAGE SYSTEM.
27. CONTRACTOR WILL COMPLY WITH OSHA STANDARDS.
28. ALL COSTS FOR INSTALLATION AND MAINTENANCE OF ALL SEDIMENT AND EROSION CONTROL PRACTICES ARE TO BE INCLUDED IN THE BID PACKAGE.
29. ANY ROCKDALE COUNTY INFRASTRUCTURE OR PROPERTY DAMAGED DURING, OR AS RESULT OF, CONSTRUCTION OF THIS PROJECT WILL BE REPAIRED OR REPLACED TO THE SATISFACTION OF ROCKDALE COUNTY. [THIS INCLUDES, FOR EXAMPLE (BUT NOT LIMITED TO) PAVING, CURB, CURB/GUTTER, SHOULDERS, DITCHES, STORM DRAINAGE PIPES OR STRUCTURES; SIGNS; WATER DISTRIBUTION LINES OR APPURTENANCES, WATER TREATMENT FACILITIES, FIRE HYDRANTS, VALVES, METERS; WASTEWATER (SANITARY SEWER), COLLECTION LINES OR APPURTENANCES, MANHOLES OR OTHER STRUCTURES, FORCE MAINS, PUMP STATIONS OR APPURTENANCES; LANDSCAPING OR PLANT MATERIALS, INCLUDING MULCH, GRASSING, SHRUBBERY, TREES; STRUCTURES OF ANY NATURE, INCLUDING FENCING.]
30. NO WORK WILL BE PERFORMED ON PRIVATE PROPERTY UNLESS AN APPROPRIATE EASEMENT HAS BEEN OBTAINED OR THE ROCKDALE COUNTY BOARD OF COMMISSIONERS HAVE APPROVED A WORK ON PRIVATE PROPERTY FORM.

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. CONTRACTOR SHALL BE RESPONSIBLE, DURING THE CONSTRUCTION PROCESS, FOR THE LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO REPAIR ANY DAMAGE CAUSED BY THE CONTRACTOR'S (OR SUBCONTRACTOR'S) EFFORTS DURING THE CONSTRUCTION OF THIS PROJECT.
7. ALL PRIVATE AND PUBLIC PROPERTY, WHICH IS OFF-SITE OR IN EASEMENTS ON-SITE, THAT IS AFFECTED BY THIS WORK, SHALL BE RESTORED BY THE CONTRACTOR TO A CONDITION EQUAL TO OR BETTER THAN EXISTED BEFORE COMMENCING CONSTRUCTION. COST TO BE INCIDENTAL TO OTHER CONSTRUCTION AND NO EXTRA COMPENSATION TO BE ALLOWED, UNLESS SPECIFICALLY EXEMPTED BY THE PLANS.
8. 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.
9. 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.
10. 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.
11. 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.
12. 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.
13. 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.

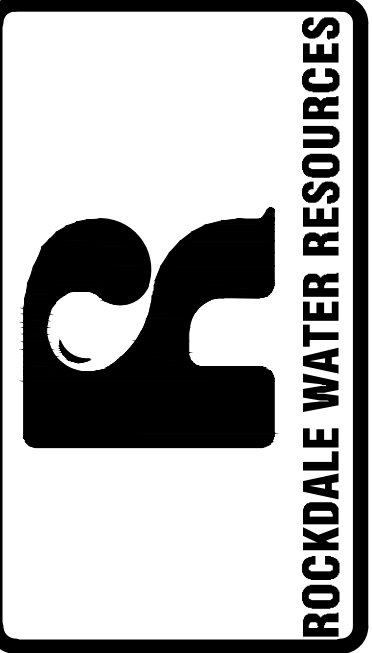
14. UNDERGROUND UTILITIES OR STRUCTURES REPORTED BY RWR OR THOSE SHOWN ON RECORDS EXAMINED ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND EXTENT. TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES FOUND AT THE SITE. NOTIFY RWR OF THE UTILITIES CONCERNED BEFORE STARTING WORK.
15. TYPICAL DETAILS APPLY WHETHER OR NOT THEY ARE SPECIFICALLY REFERENCED ON INDIVIDUAL PLANS, DETAILS OR SECTIONS.
16. 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.
17. NO SMOKING IS ALLOWED WITHIN THE JOBSITE OR SITE ACCESS AREAS, A FIRE SPOTTER, FIRE EXTINGUISHER, ADEQUATE WATER SUPPLY AND SHOVELS SHALL BE AVAILABLE AND WITHIN REACH AT ALL TIMES DURING ANY WELDING OR TORCH WORK. THIS JOBSITE IS IN AN EXTREMELY HAZARDOUS FIRE AREA.
18. 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.
19. MAKE ARRANGEMENTS FOR EQUIPMENT, MATERIAL STORAGE & YARD SECURITY.
20. EQUIPMENT AND MATERIALS SHALL BE STORED IN AREAS DESIGNATED BY THE OWNER'S REPRESENTATIVE. CONSTRUCTION AND STORAGE AREAS SHALL BE KEPT NEAT AND CLEAN AT ALL TIMES.
21. STAGING AREA SHALL BE FOR CONTRACTOR'S EMPLOYEE PARKING, CONTRACTOR'S TRAILERS AND ON-SITE STORAGE OF MATERIALS FOR THIS PROJECT ONLY.
22. PROVIDE TEMPORARY FENCING TO MAINTAIN SECURITY AT ALL TIMES.
23. 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. CONVENIENT 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, GPS SURVEY BY RWR AND SURVEY BY ROCHESTER & ASSOCIATES, INC. 4/15/2020.

SURVEY NOTES

1. THE FIELD DATA DATED 4/15/2020 WAS ADJUSTED USING LEAST SQUARES. A TRIMBLE S-SERIES ROBOTIC TOTAL STATION WAS USED FOR ANGULAR AND LINEAR MEASUREMENTS.
2. THE HORIZONTAL DATUM FOR THIS SURVEY IS THE NORTH AMERICAN DATUM OF 1983 (NAD 83 GEORGIA WEST ZONE) AND THE VERTICAL DATUM USED IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AS DETERMINED BY UTILIZING GPS. THE EQUIPMENT USED TO OBTAIN THIS DATA WAS A DUAL FREQUENCY TRIMBLE R6 GNSS GPS RECEIVER WITH A TRIMBLE TSC3 DATA COLLECTOR RECEIVING RTK CORRECTIONS VIA A WIRELESS NETWORK FROM BASE STATIONS OPERATED BY TRIMBLE NAVIGATION. THE AVERAGE RELATIVE POSITIONAL ACCURACY OBTAINED ON THE POSITIONS UTILIZED IN THIS SURVEY WAS 0.04 FT. HORIZONTAL AND 0.07 FT. VERTICAL. THESE VALUES WERE DERIVED FROM GPS PROCESSING SOFTWARE. THE REMAINDER OF THE FIELD WORK WAS PERFORMED WITH CONVENTIONAL EQUIPMENT AS DESCRIBED ABOVE.
3. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE COMMITMENT; THEREFORE EXCEPTION IS MADE HEREIN TO ANY EASEMENTS, RESERVATIONS, RIGHTS OF WAY AND RESTRICTIONS OF RECORD, WHICH MAY EXIST. FURTHERMORE, THIS PROPERTY MAY BE SUBJECT TO EASEMENTS, RESERVATIONS, RIGHTS OF WAY, OR RESTRICTIONS, WHICH ARE NOT RECORDED OR NOT DISCLOSED BY THE TITLE COMMITMENT OR OTHERWISE UNKNOWN TO THE SURVEYOR; THEREFORE EXCEPTION IS TAKEN TO ANY SUCH ITEMS.
4. THE UNDERGROUND UTILITIES SHOWN HEREON HAVE BEEN MARKED BY UTILITY MARKING, LLC (678-357-1946) AND FIELD LOCATED BY ROCHESTER & ASSOC., INC. PERSONNEL. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.
5. THIS PROPERTY MAY OR MAY NOT CONTAIN WETLAND AREAS. NO EFFORTS HAVE BEEN MADE BY THIS SURVEYOR TO IDENTIFY OR LOCATE ANY WETLAND AREAS ON THIS PROPERTY. A QUALIFIED WETLAND SPECIALIST OR BIOLOGIST, PRIOR TO ANY LAND DISTURBANCE, SHOULD PERFORM WETLAND IDENTIFICATION AND DELINEATION.
6. THIS PROPERTY IS LOCATED IN A FLOOD HAZARD ZONE "X" AS PER F.E.M.A. INSURANCE RATE MAP OF ROCKDALE COUNTY, GEORGIA. MAP NO. 13247C0176D, EFFECTIVE DATE DECEMBER 08, 2016.
7. DURING THE FIELD SURVEY PERFORMED ON THIS SITE THERE WERE NO VISIBLE ABOVE GROUND EVIDENCE OF A HUMAN BURIAL AREA OR CEMETERY OBSERVED. HOWEVER, THIS SURVEYOR DID NOT PERFORM A THOROUGH INSPECTION OF THE INTERIOR OF THIS SITE. THEREFORE EXCEPTION IS MADE HEREIN TO ANY HUMAN AREAS OR CEMETERIES THAT MAY EXIST WITHIN THE BOUNDARIES OF THIS SITE.
8. THIS SURVEY IS FOR THE EXCLUSIVE USE OF THE ENTITIES SHOWN HEREON; ANY USE BY THIRD PARTIES IS AT THEIR OWN RISK.
9. ALL DISTANCES AS SHOWN ARE HORIZONTAL GROUND DISTANCES IN U.S. SURVEY FEET (39.37 INCHES = 1 METER) 10. CONTOUR INTERVAL IS 1 FOOT.

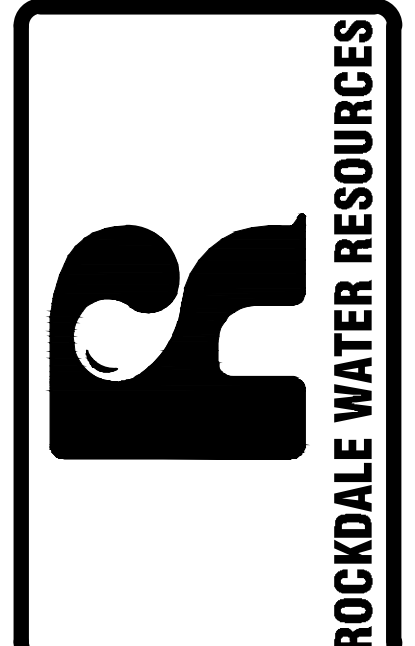
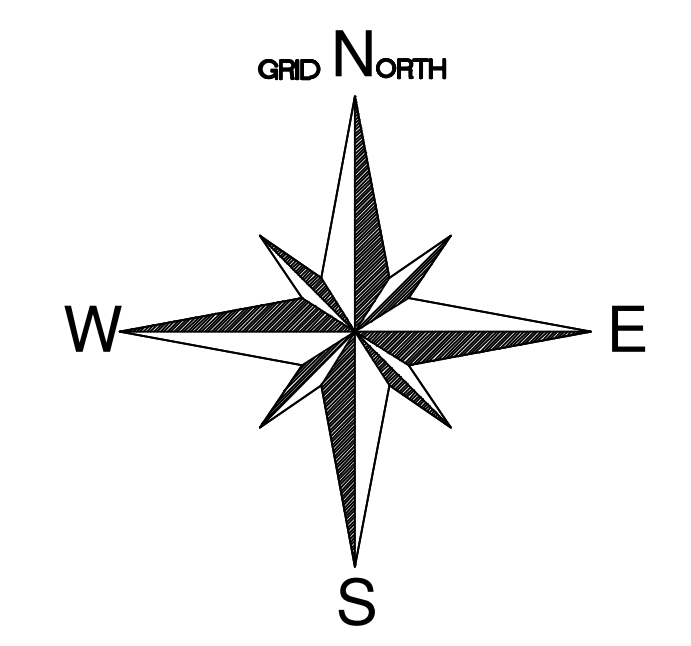


REVISION		DESCRIPTION
No.	DATE	DESCRIPTION
1	2/9/2021	ISSUED FOR BID
2	-/-/-	
3	-/-/-	
4	-/-/-	
5	-/-/-	
6	-/-/-	

GENERAL NOTES

DESIGNED BY: DAVID CERVONE
 DRAWN BY: WALT BOBO
 CHECKED BY: DAVID CERVONE
 DATE: 04/15/2020
 FILE NAME: FIELDSTONE PUMP STA. ELIMINATION

SHEET
G-02

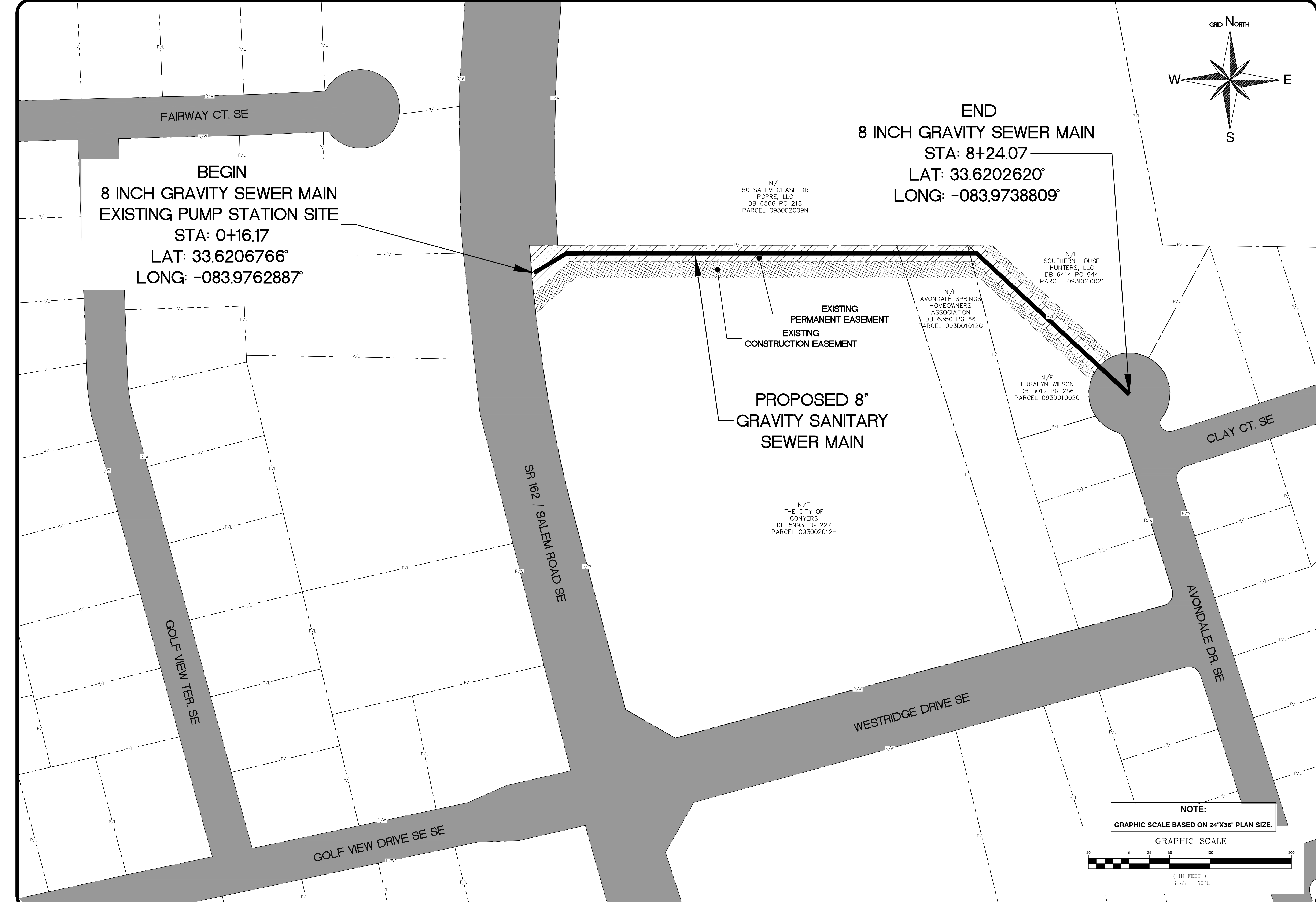


REVISION			
No.	DATE	DESCRIPTION	ISSUED FOR BID
1	2/19/2021	ISSUED FOR BID	

SITE PLAN

DESIGNED BY: DAVID CERVONE
 DRAWN BY: WALT BOBO
 CHECKED BY: DAVID CERVONE
 DATE: 04/15/2020
 FILE NAME: FIELDSTONE PUMP STA. ELIMINATION

SHEET
G-03



BEGIN
 8 INCH GRAVITY SEWER MAIN
 EXISTING PUMP STATION SITE
 STA: 0+16.17
 LAT: 33.6206766°
 LONG: -083.9762887°

END
 8 INCH GRAVITY SEWER MAIN
 STA: 8+24.07
 LAT: 33.6202620°
 LONG: -083.9738809°

N/F
 50 SALEM CHASE DR
 POPRE, LLC
 DB 6566 PG 218
 PARCEL 093002009N

N/F
 SOUTHERN HOUSE
 HUNTERS, LLC
 DB 6414 PG 944
 PARCEL 093D010021

N/F
 AVONDALE SPRINGS
 HOMEOWNERS
 ASSOCIATION
 DB 6350 PG 66
 PARCEL 093D01012G

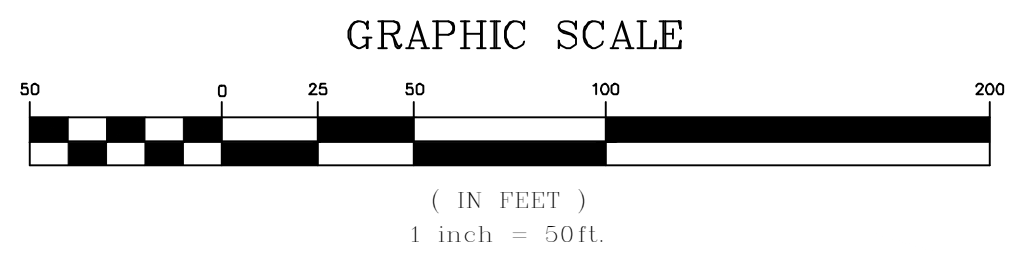
N/F
 EUGALYN WILSON
 DB 5012 PG 256
 PARCEL 093D010020

N/F
 THE CITY OF
 CONYERS
 DB 5993 PG 227
 PARCEL 093002012H

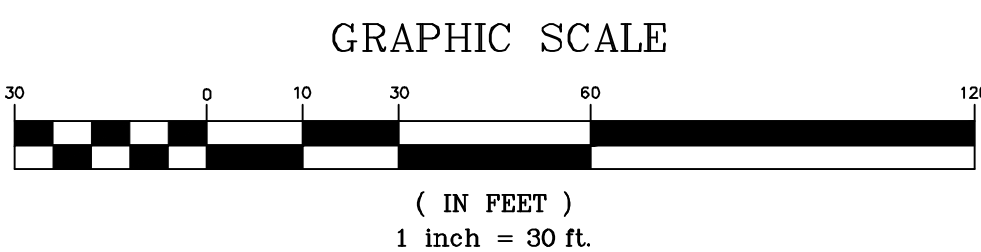
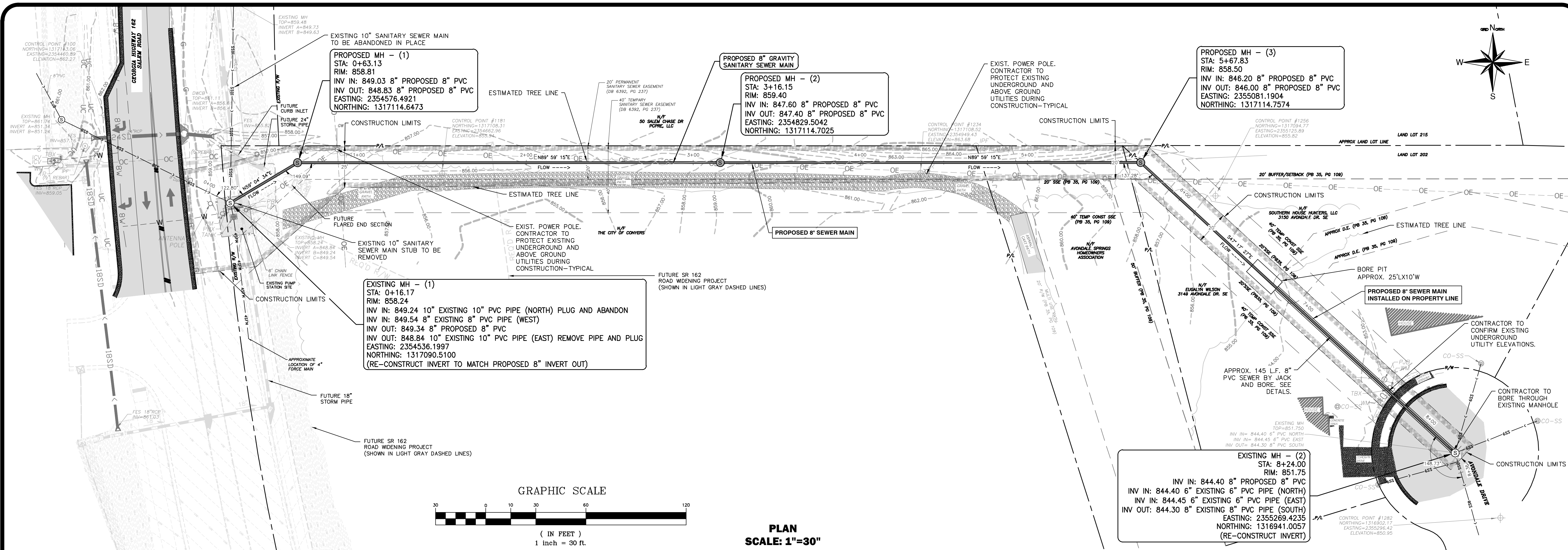
EXISTING PERMANENT EASEMENT
 EXISTING CONSTRUCTION EASEMENT

**PROPOSED 8"
 GRAVITY SANITARY
 SEWER MAIN**

NOTE:
 GRAPHIC SCALE BASED ON 24"X36" PLAN SIZE.



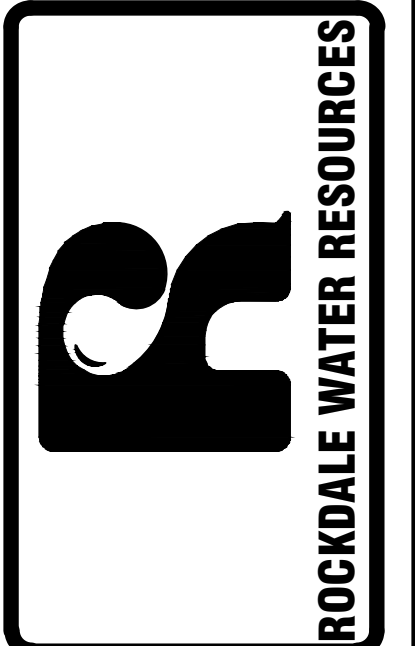
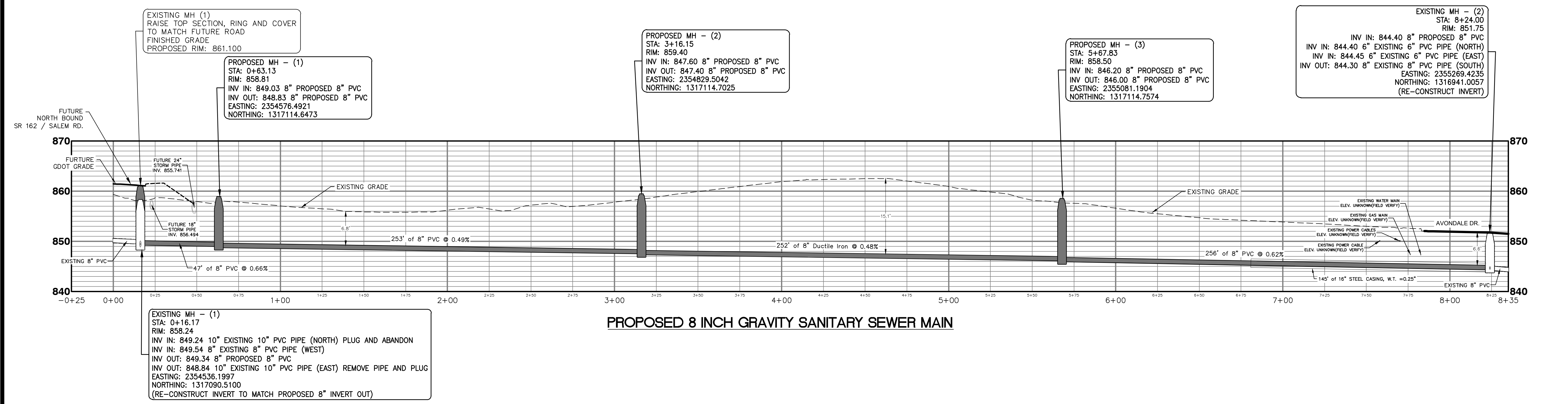
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PLAN SCALE: 1"=30"

NOTE:
GRAPHIC SCALE BASED ON 24"X36" PLAN SIZE.

**PROFILE SCALE HORIZONTAL: 1"=30"
SCALE VERTICAL: 1"=10"**

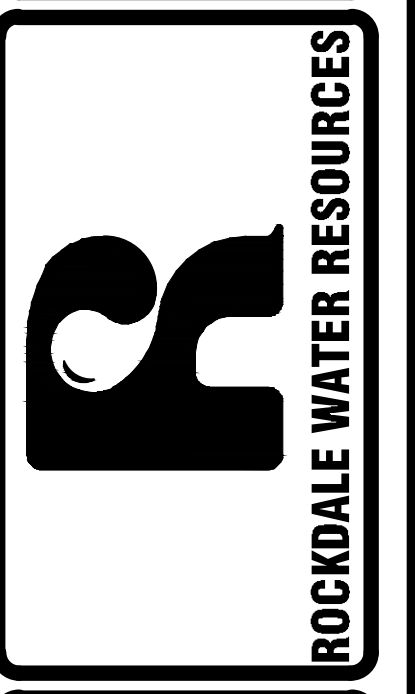


REVISION		DATE	DESCRIPTION
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1	2/9/2021	ISSUED FOR BID	

**PLAN AND PROFILE
PROPOSED 8" SEWER MAIN**

DESIGNED BY: DAVID CERVONE
DRAWN BY: WALT BOBO
CHECKED BY: DAVID CERVONE
DATE: 04/15/2020
FILE NAME: FELDSTONE PUMP STA. ELIMINATION

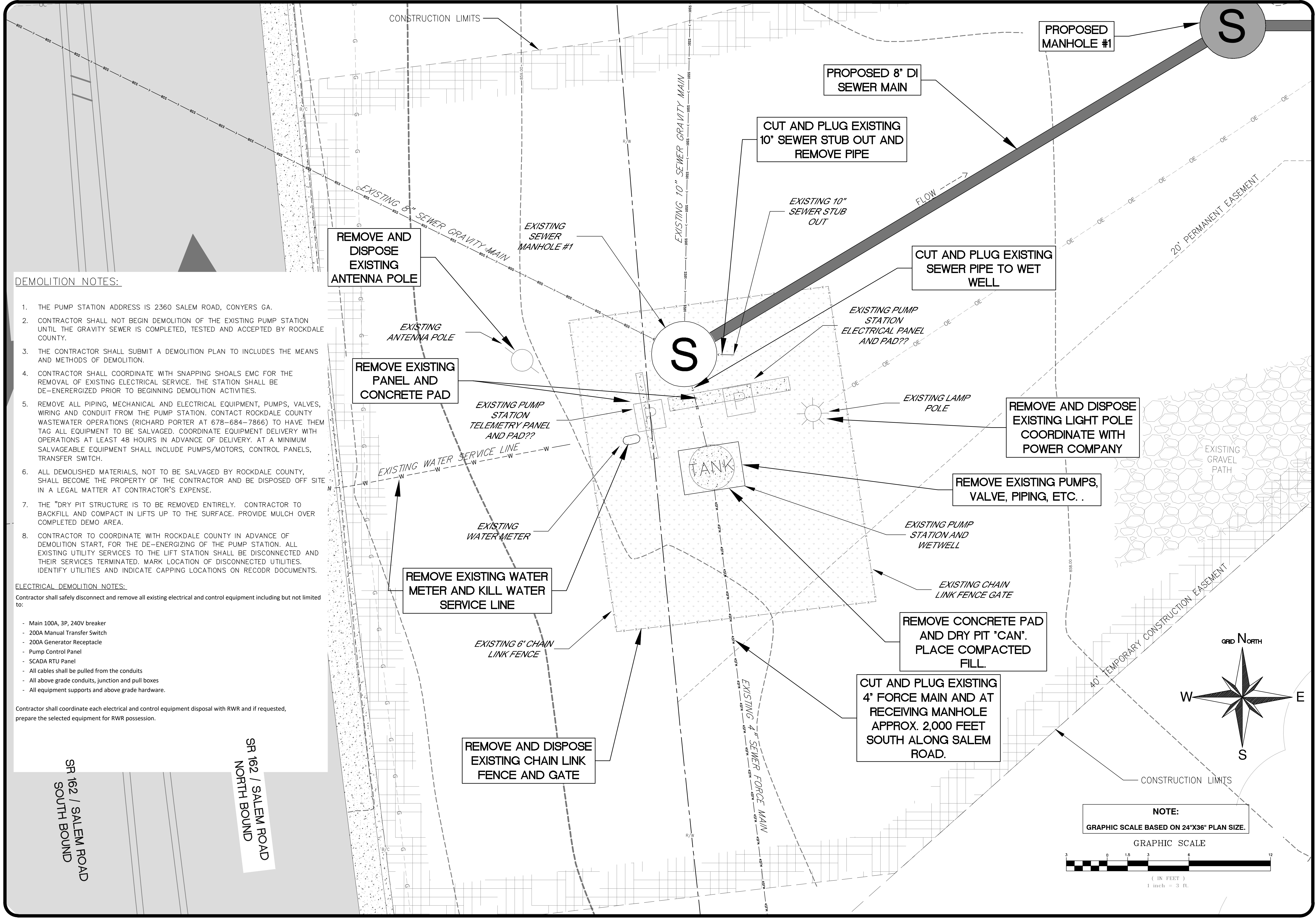
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REVISION		DESCRIPTION	DATE
1	2/9/2021	ISSUED FOR BID	-/-/-

PUMP STATION SITE DEMOLITION

DESIGNED BY: DAVID CERVONE
 DRAWN BY: WALT BOBO
 CHECKED BY: DAVID CERVONE
 DATE: 09/09/2020
 FILE NAME: PROJECT NAME

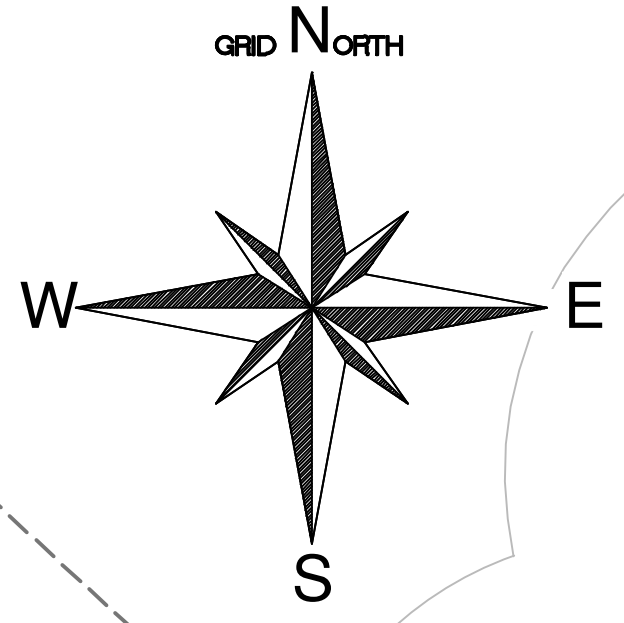
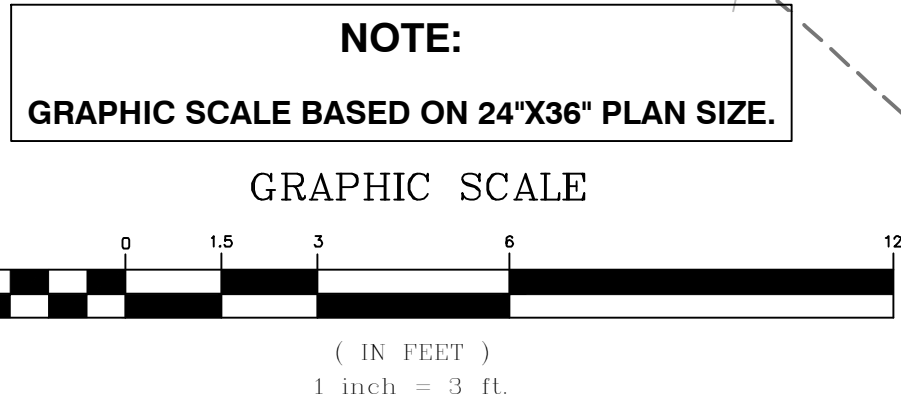


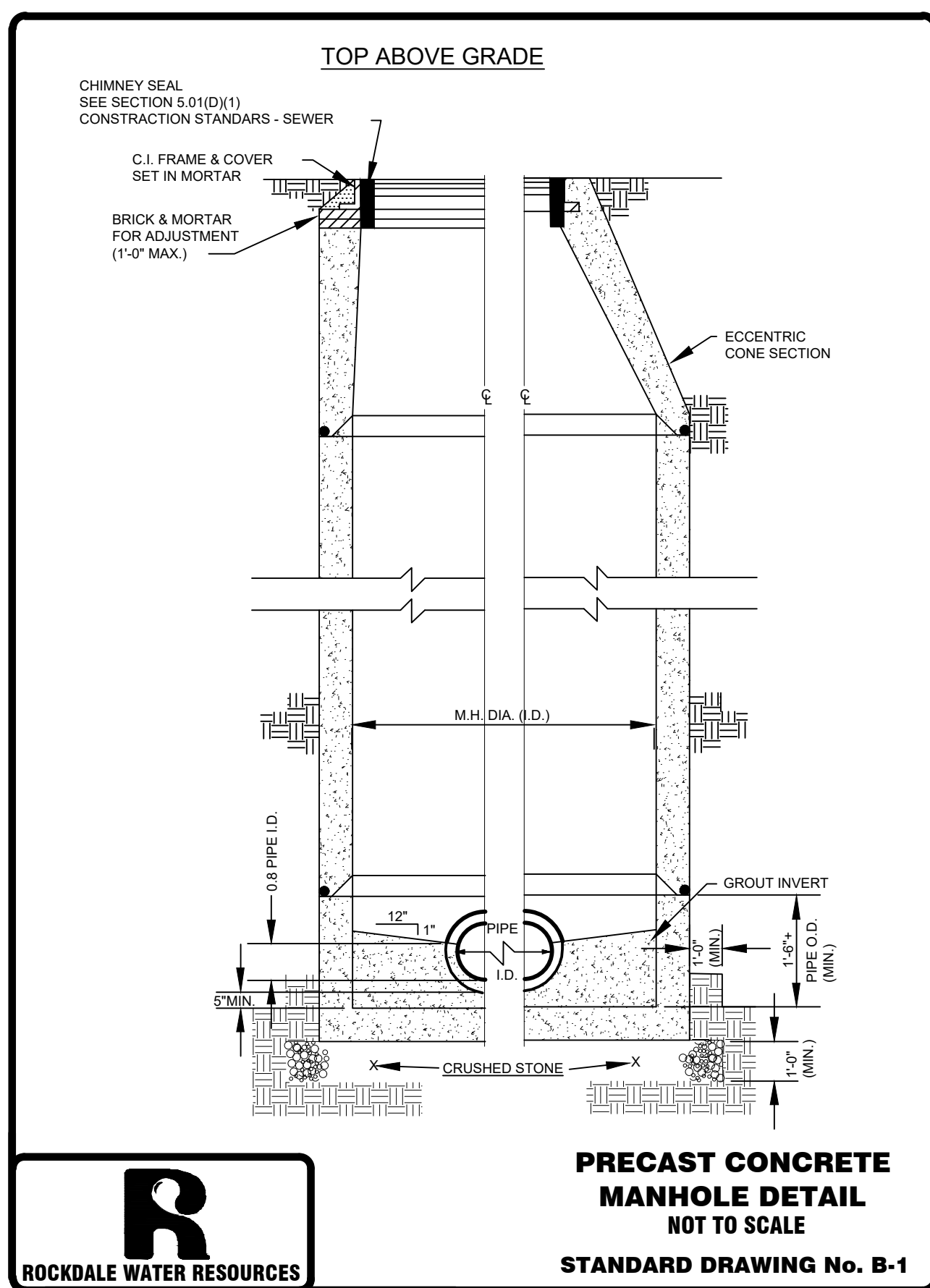
DEMOLITION NOTES:

1. THE PUMP STATION ADDRESS IS 2360 SALEM ROAD, CONYERS GA.
2. CONTRACTOR SHALL NOT BEGIN DEMOLITION OF THE EXISTING PUMP STATION UNTIL THE GRAVITY SEWER IS COMPLETED, TESTED AND ACCEPTED BY ROCKDALE COUNTY.
3. THE CONTRACTOR SHALL SUBMIT A DEMOLITION PLAN THAT INCLUDES THE MEANS AND METHODS OF DEMOLITION.
4. CONTRACTOR SHALL COORDINATE WITH SNAPPING SHOALS EMC FOR THE REMOVAL OF EXISTING ELECTRICAL SERVICE. THE STATION SHALL BE DE-ENERGIZED PRIOR TO BEGINNING DEMOLITION ACTIVITIES.
5. REMOVE ALL PIPING, MECHANICAL AND ELECTRICAL EQUIPMENT, PUMPS, VALVES, WIRING AND CONDUIT FROM THE PUMP STATION. CONTACT ROCKDALE COUNTY WASTEWATER OPERATIONS (RICHARD PORTER AT 678-684-7866) TO HAVE THEM TAG ALL EQUIPMENT TO BE SALVAGED. COORDINATE EQUIPMENT DELIVERY WITH OPERATIONS AT LEAST 48 HOURS IN ADVANCE OF DELIVERY. AT A MINIMUM SALVAGEABLE EQUIPMENT SHALL INCLUDE PUMPS/MOTORS, CONTROL PANELS, TRANSFER SWITCH.
6. ALL DEMOLISHED MATERIALS, NOT TO BE SALVAGED BY ROCKDALE COUNTY, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND BE DISPOSED OFF SITE IN A LEGAL MANNER AT CONTRACTOR'S EXPENSE.
7. THE "DRY PIT STRUCTURE IS TO BE REMOVED ENTIRELY. CONTRACTOR TO BACKFILL AND COMPACT IN LIFTS UP TO THE SURFACE. PROVIDE MULCH OVER COMPLETED DEMO AREA.
8. CONTRACTOR TO COORDINATE WITH ROCKDALE COUNTY IN ADVANCE OF DEMOLITION START, FOR THE DE-ENERGIZING OF THE PUMP STATION. ALL EXISTING UTILITY SERVICES TO THE LIFT STATION SHALL BE DISCONNECTED AND THEIR SERVICES TERMINATED. MARK LOCATION OF DISCONNECTED UTILITIES. IDENTIFY UTILITIES AND INDICATE CAPPING LOCATIONS ON RECORD DOCUMENTS.

ELECTRICAL DEMOLITION NOTES:

- Contractor shall safely disconnect and remove all existing electrical and control equipment including but not limited to:
- Main 100A, 3P, 240V breaker
 - 200A Manual Transfer Switch
 - 200A Generator Receptacle
 - Pump Control Panel
 - SCADA RTU Panel
 - All cables shall be pulled from the conduits
 - All above grade conduits, junction and pull boxes
 - All equipment supports and above grade hardware.
- Contractor shall coordinate each electrical and control equipment disposal with RWR and if requested, prepare the selected equipment for RWR possession.





MAIN SEWER

LATERAL

M.H. DIA.

M.H. DIA.

ANGLE

PIPE SIZE	ANGLE	"A"	M.H. DIA.	"X"
8" TO 15"	0° TO 90°	4'-0"	0"	0"
18" TO 24"	0° TO 90°	4'-0"	0"	0"
18" TO 24"	60° TO 90°	5'-0"	6"	6"
27" TO 30"	0° TO 30°	5'-0"	0"	0"
27" TO 30"	30° TO 60°	5'-0"	6"	6"
27" TO 30"	60° TO 90°	6'-0"	0"	0"
36"	0° TO 90°	6'-0"	0"	0"
42"	0° TO 60°	7'-0"	0"	0"
42"	60° TO 90°	8'-0"	6"	6"
48"	0° TO 45°	8'-0"	6"	6"

**STANDARD MANHOLE SCHEDULE
OF GOVERNING DIMENSIONS**

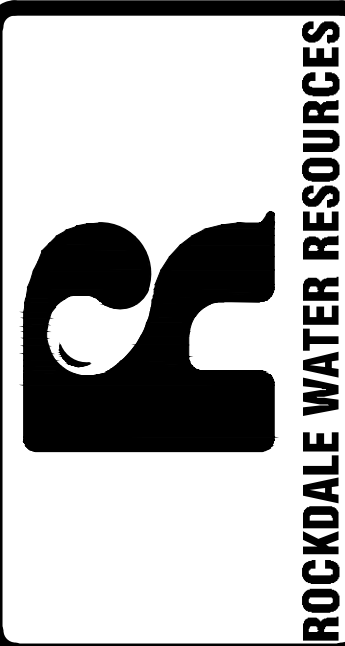
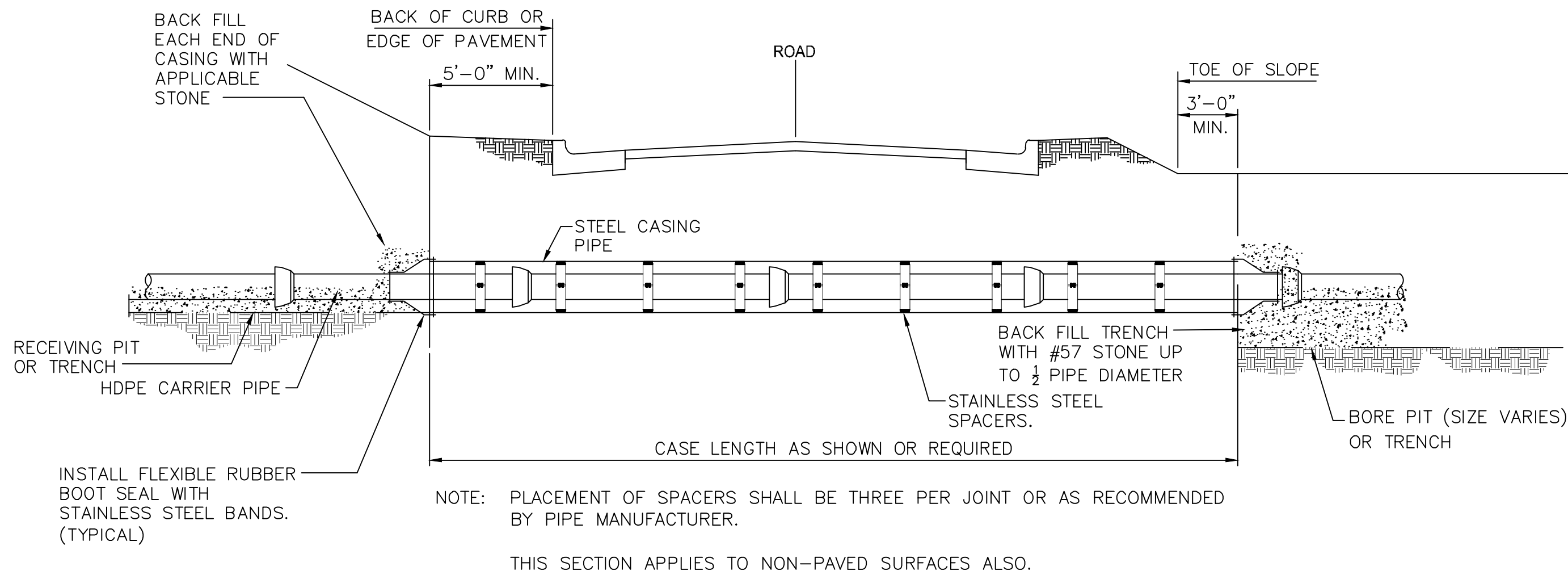
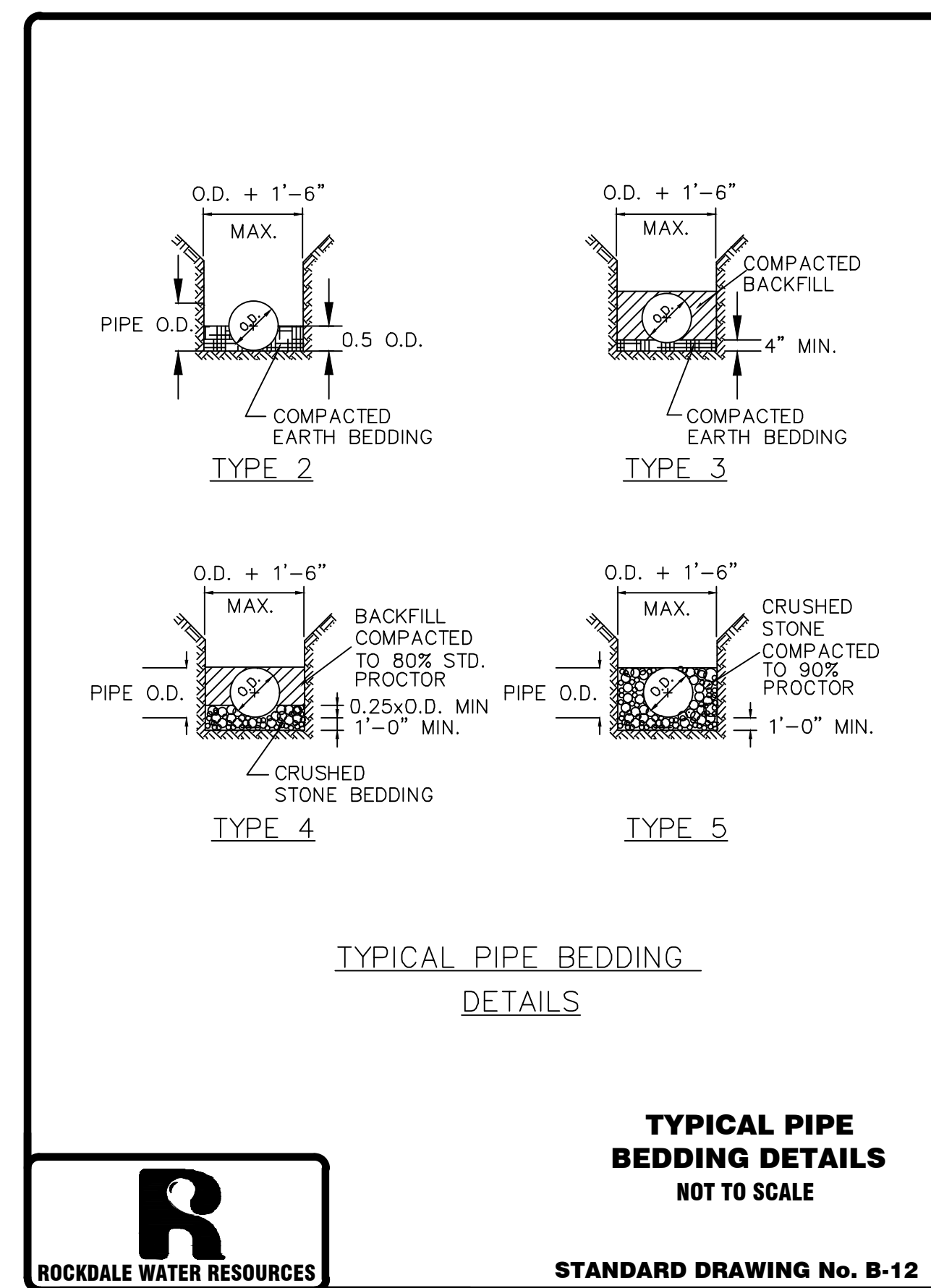
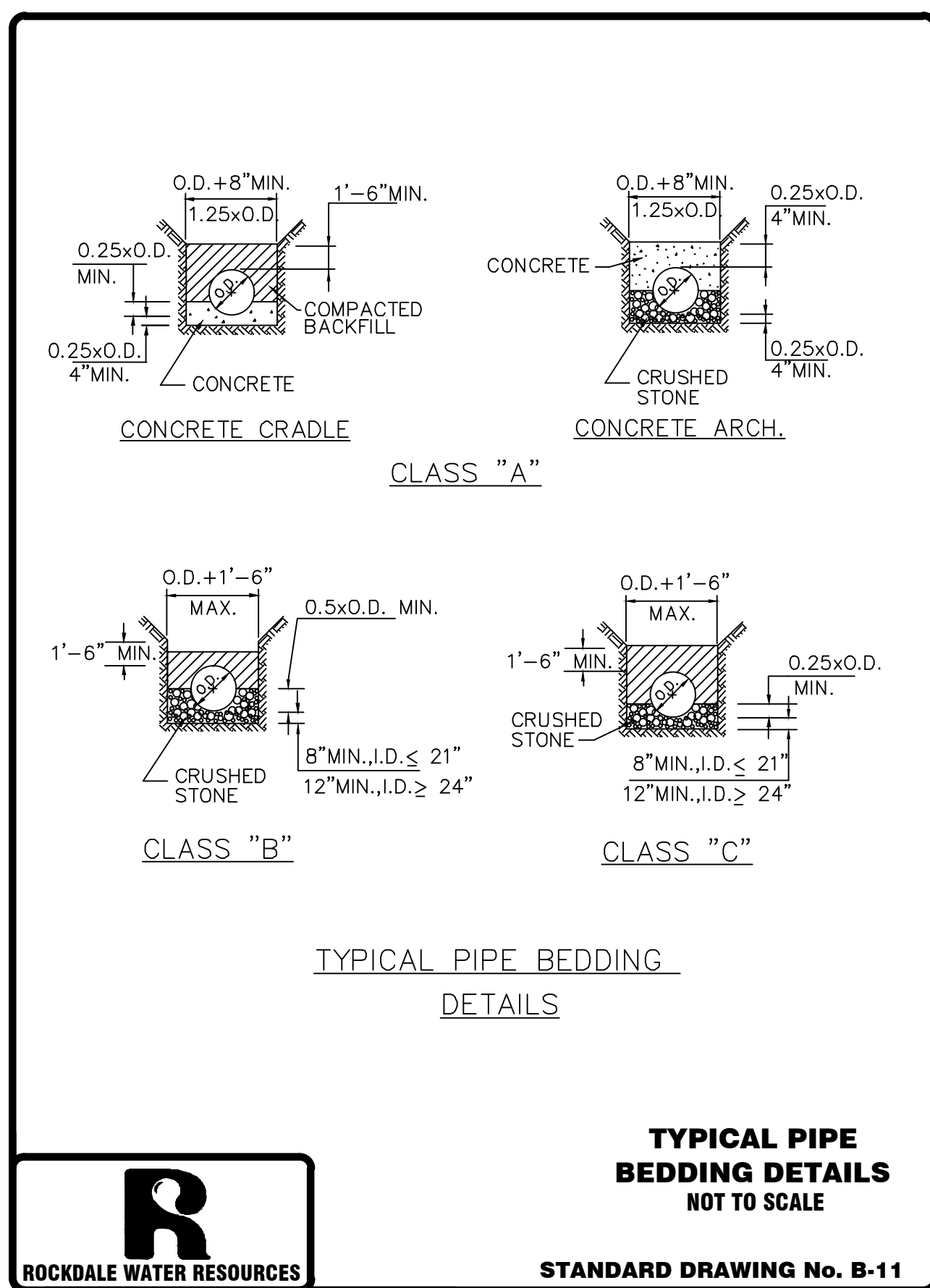
NOTE:
MINIMUM C RADIUS OF M.H. INVERT
= 1.5 x PIPE DIAMETER

TYPICAL PLANS

**STANDARD MANHOLE
DETAIL
NOT TO SCALE**

STANDARD DRAWING No. B-9

ROCKDALE WATER RESOURCES

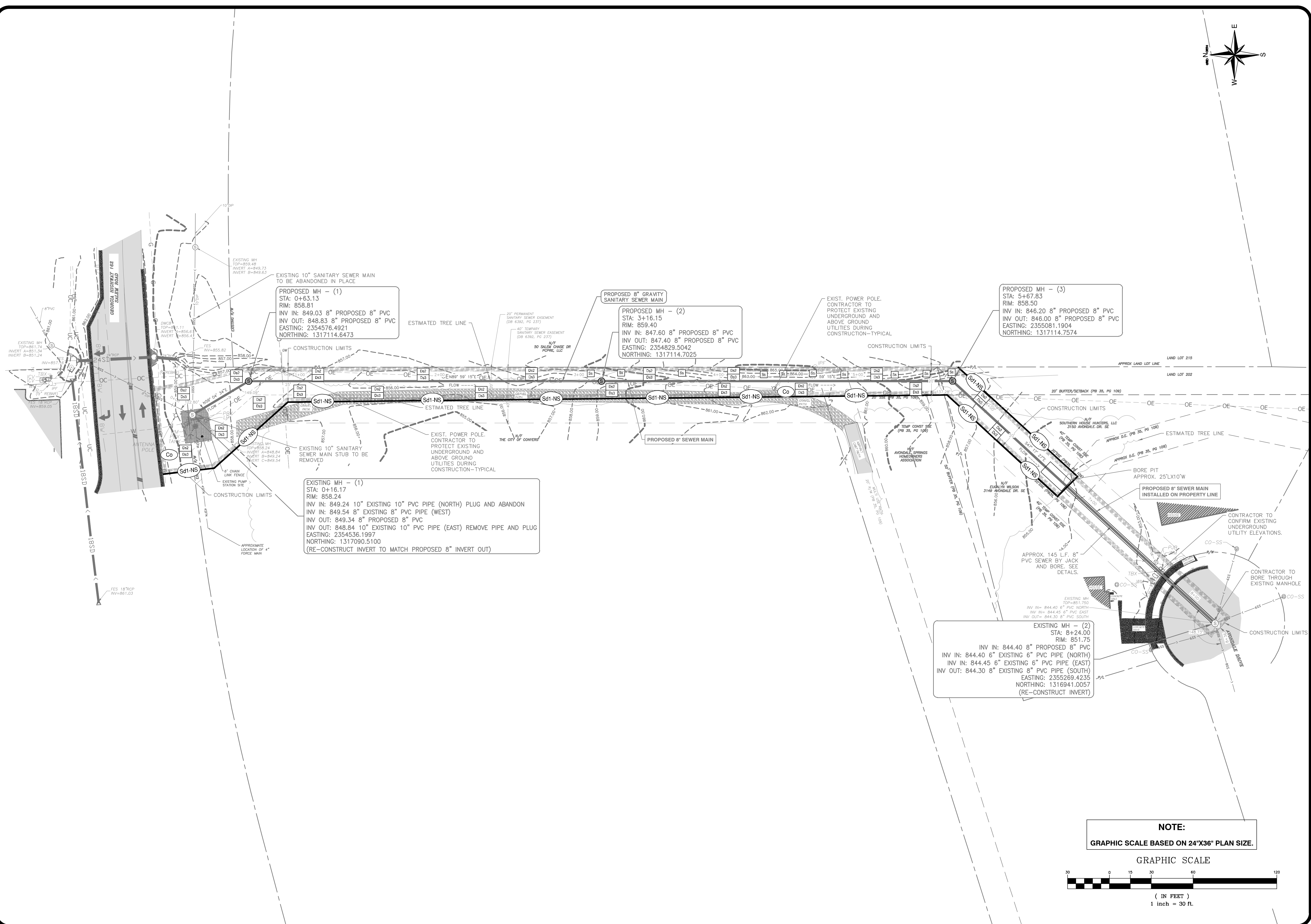
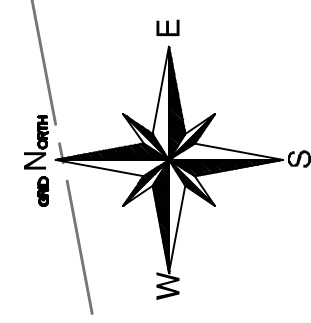


REVISION		No.	DATE	DESCRIPTION
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CIVIL DETAIL

DESIGNED BY: DAVID CERVONE
DRAWN BY: WALT BOBO
CHECKED BY: DAVID CERVONE
DATE: 04/15/2020
FILE NAME: FELDSTONE PUMP STA. ELIMINATION

SHEET
C-03



REVISION		DATE	DESCRIPTION
No.			
1		2/7/2021	ISSUED FOR BID

EROSION CONTROL PLAN

DESIGNED BY: DAVID CERVONE
 DRAWN BY: WALT BOBO
 CHECKED BY: DAVID CERVONE
 DATE: 04/15/2020
 FILE NAME: FIELDSTONE PUMP STA. ELIMINATION

SHEET
C-04

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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 SEDIMENT 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 808 LINEAR FEET OF 8-INCH DUCTILE IRON SANITARY SEWER MAIN AND THE REMOVAL OF A SANITARY SEWER PUMPING STATION AND SITE STRUCTURES. THE PIPE WILL BE INSTALLED FROM EXISTING PUMP STATION RUNNING EAST ACROSS THE CITY OF CONYERS PROPERTY TO AVONDALE SPRINGS SUBDIVISION LOTS 193 & 194 THEN RUNNING SOUTH EAST ALONG THE SHARED PROPERTY LINE OF LOTS 193 & 194 TO AN EXISTING SEWER MANHOLE WITHIN THE CUL DE SAC OF AVONDALE DRIVE. TOTAL PROJECT ACREAGE AND DISTURBED ACREAGE IS 0.48 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.**

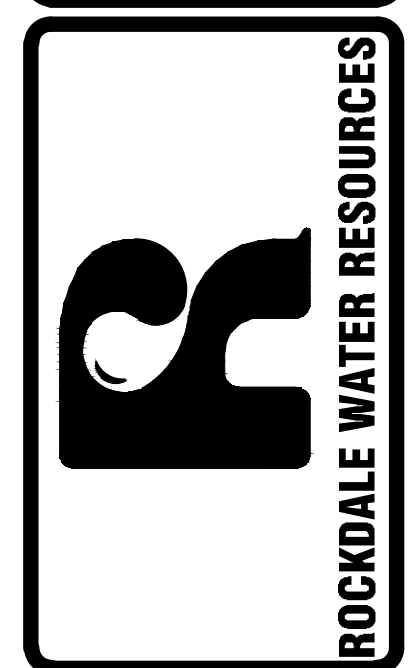
CONSTRUCTION SCHEDULE

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.**

APPROXIMATE CONSTRUCTION SCHEDULE

ACTIVITY	WEEK-1	WEEK-2	WEEK-3	WEEK-4	WEEK-5	WEEK-6
1	█					
2	█	█				
3	█	█	█			
4		█	█	█		
5				█	█	
6					█	█
7	█	█	█	█	█	█



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EROSION CONTROL NOTES

DESIGNED BY: DAVID CERVONE
DRAWN BY: WALT BOBO
CHECKED BY: DAVID CERVONE
DATE: 04/15/2020
FILE NAME: FELDSTONE PUMP STA. ELIMINATION

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C-05

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Custom Soil Resource Report
Soil Map



Custom Soil Resource Report

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
AmB	Appling sandy loam, 2 to 6 percent slopes	2.5	1.4%
AmC	Appling sandy loam, 6 to 10 percent slopes	10.1	5.7%
CCA	Cartecay and Chewacla soils, frequently flooded	4.4	2.5%
CeB	Cecil sandy loam, 2 to 6 percent slopes	75.9	42.6%
CeC	Cecil sandy loam, 6 to 10 percent slopes	3.8	2.1%
Cfc2	Cecil sandy clay loam, 6 to 10 percent slopes, eroded	7.8	4.4%
CuC	Cecil-Urban land complex, 2 to 10 percent slopes	38.4	21.5%
HaB	Helena sandy loam, 2 to 6 percent slopes	5.5	3.1%
PaC	Pacolet sandy loam, 6 to 10 percent slopes	17.0	9.5%
PID2	Pacolet sandy clay loam, 10 to 15 percent slopes, moderately eroded	0.9	0.5%
Ta	Toccoa fine sandy loam, rarely flooded	10.7	6.0%
W	Water	1.1	0.6%
Totals for Area of Interest		178.1	100.0%

Custom Soil Resource Report

MAP LEGEND

- Area of Interest (AOI)
- 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

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

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: Newton and Rockdale Counties, Georgia
Survey Area Data: Version 12, Sep 16, 2019

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

Date(s) aerial images were photographed: Apr 22, 2019—May 2, 2019

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.

ROCKDALE WATER RESOURCES

GEORGIA 811
Utilities Protection Center, Inc.
Keep what's below. Call before you dig.

REVISION		DESCRIPTION
No.	DATE	
1	2/9/2021	ISSUED FOR BID

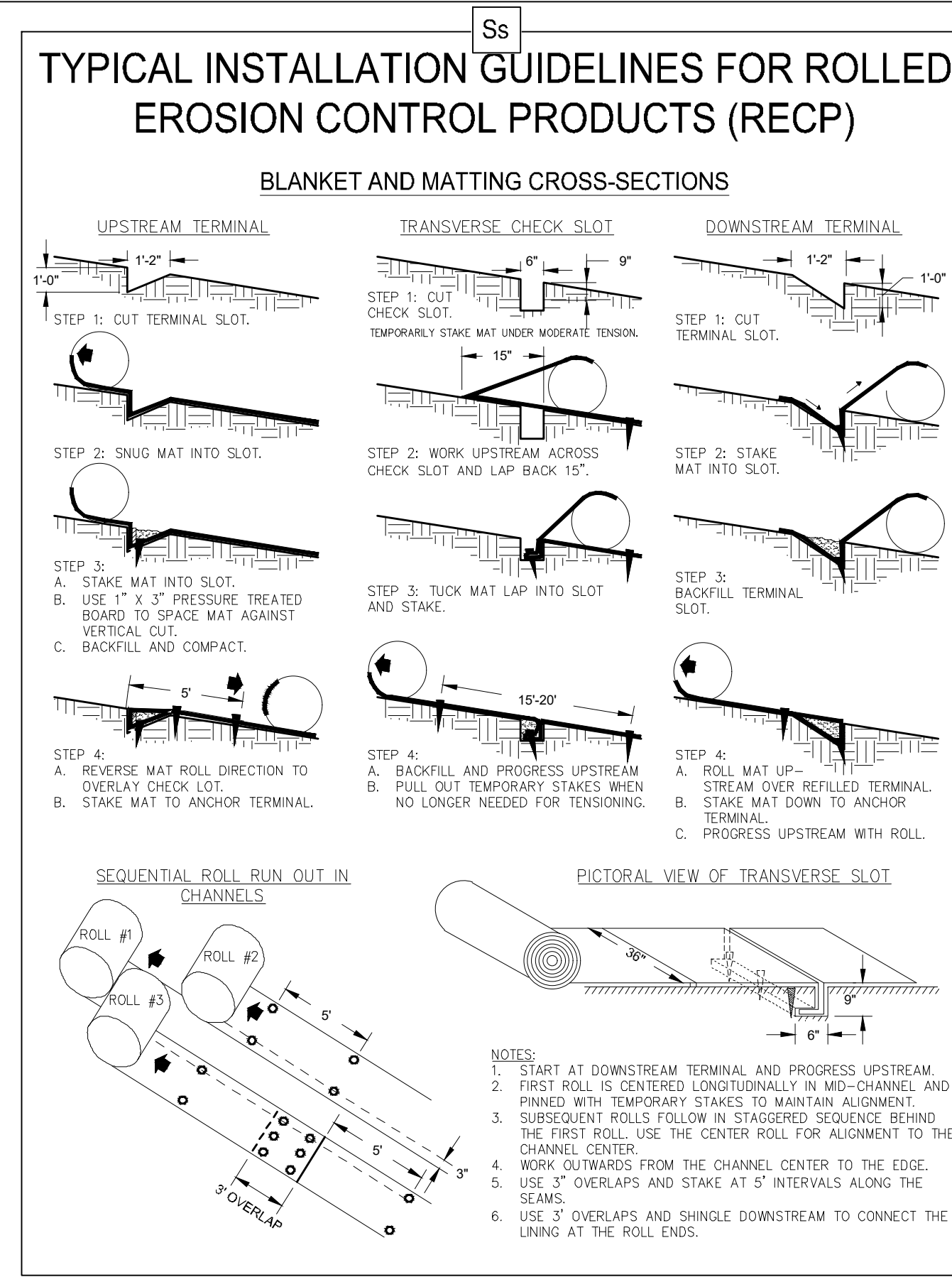
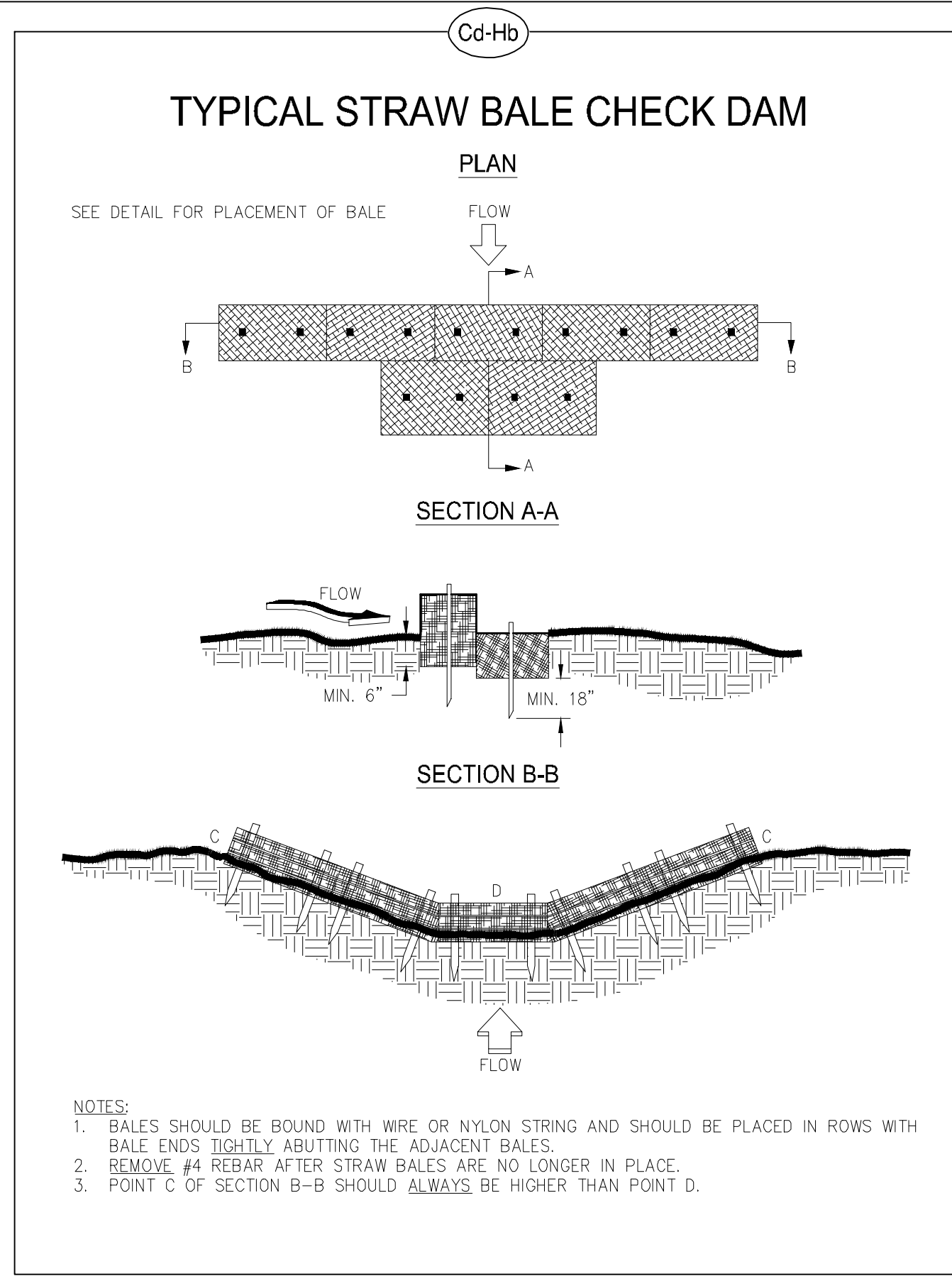
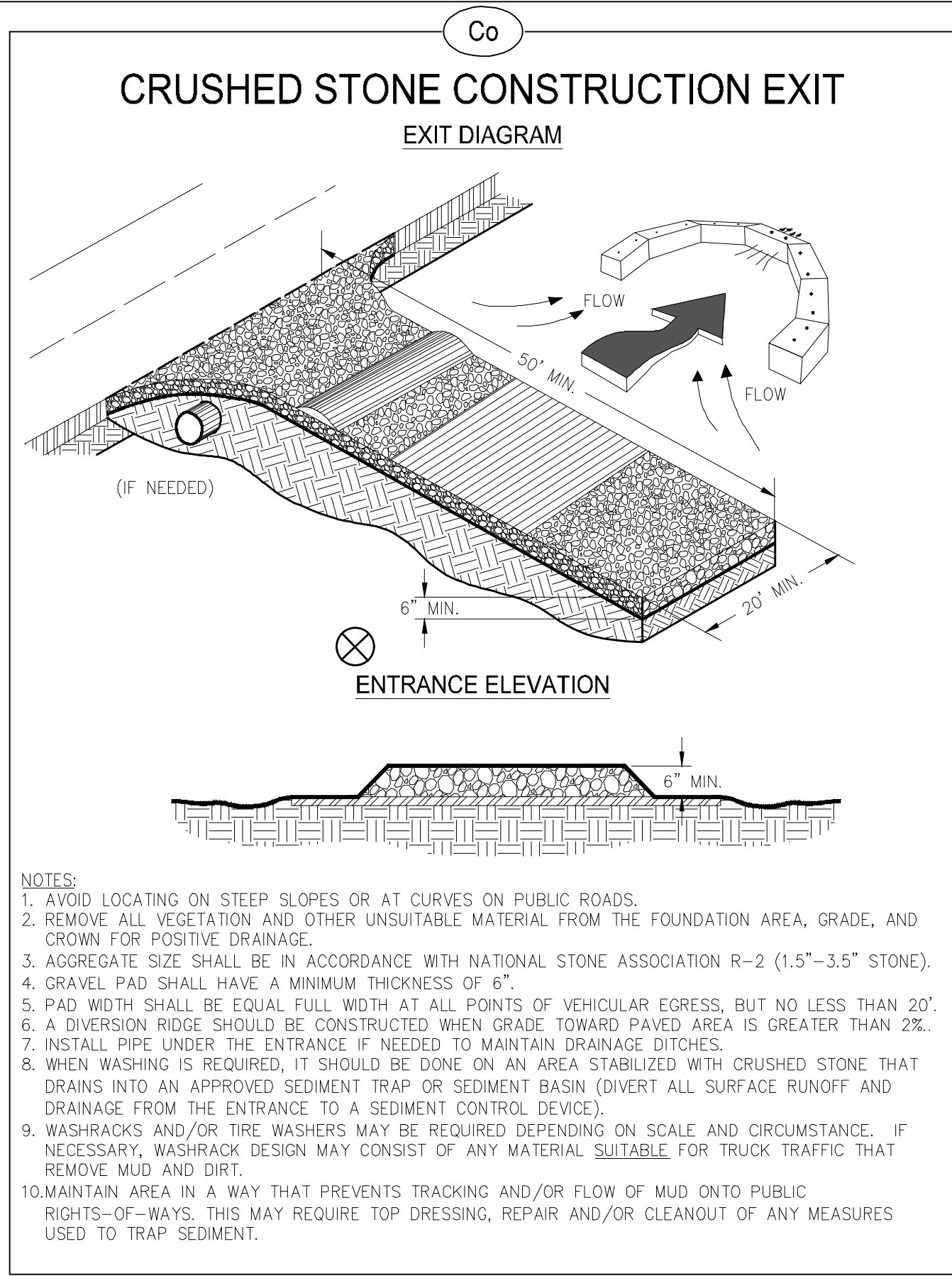
EROSION CONTROL NOTES

DESIGNED BY: DAVID CERVONE
DRAWN BY: WALT BOBO
CHECKED BY: DAVID CERVONE
DATE: 04/15/2020
FILE NAME: FELDSTONE PLUMP STA. ELIMINATION

SHEET

C-06

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GEORGIA UNIFORM CODING SYSTEM

FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES

GEORGIA SOIL AND WATER CONSERVATION COMMISSION

STRUCTURAL PRACTICES

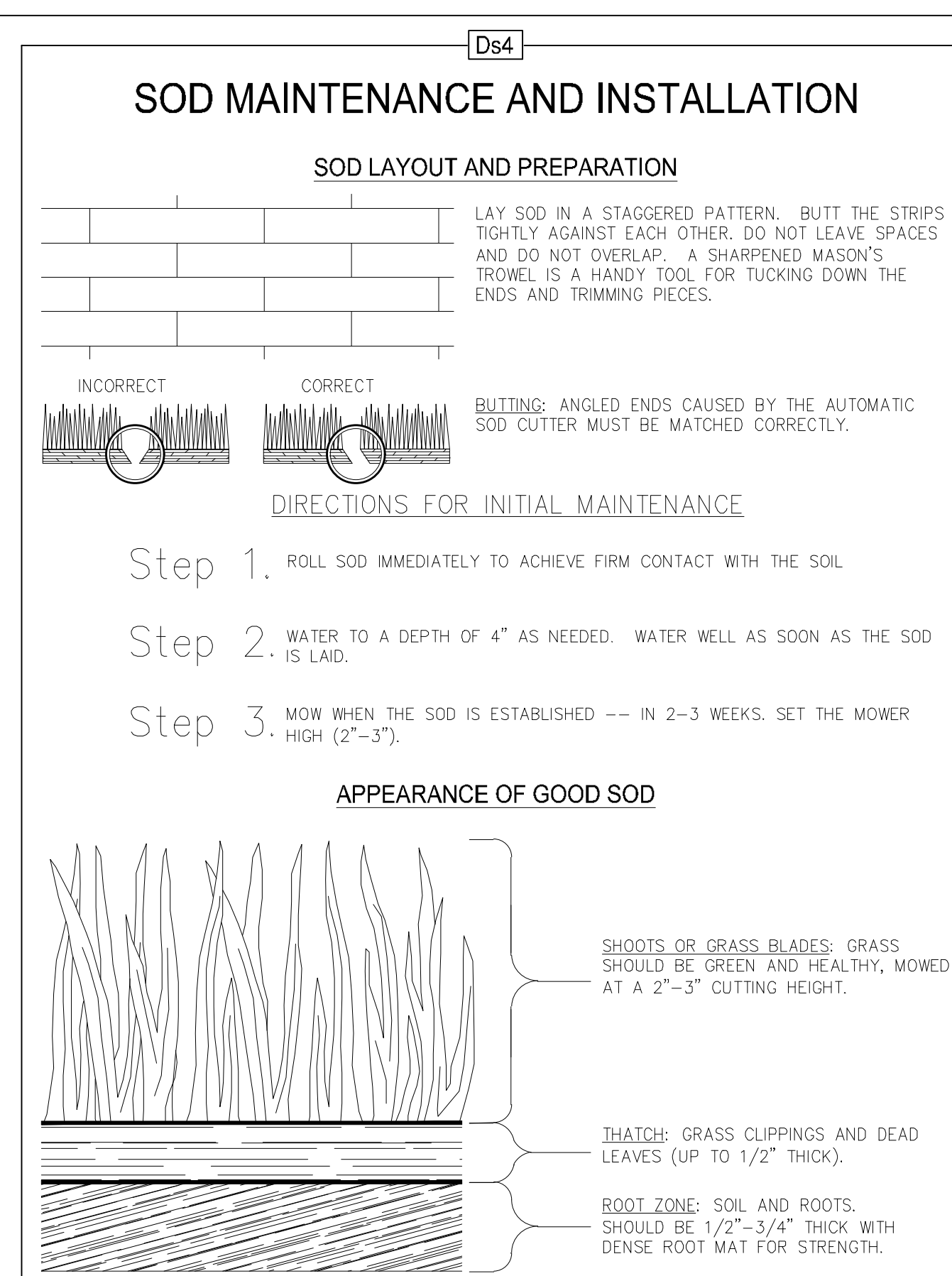
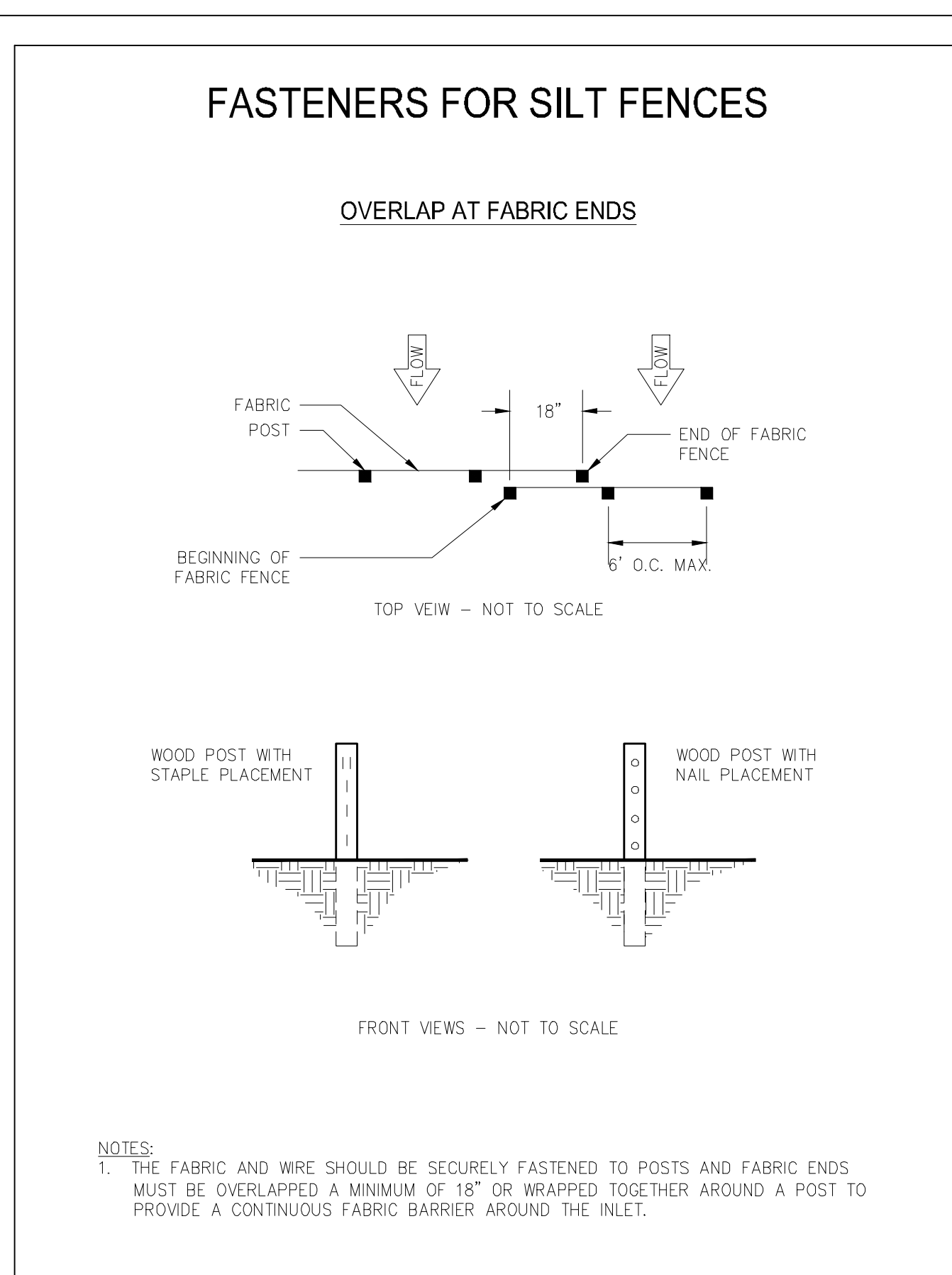
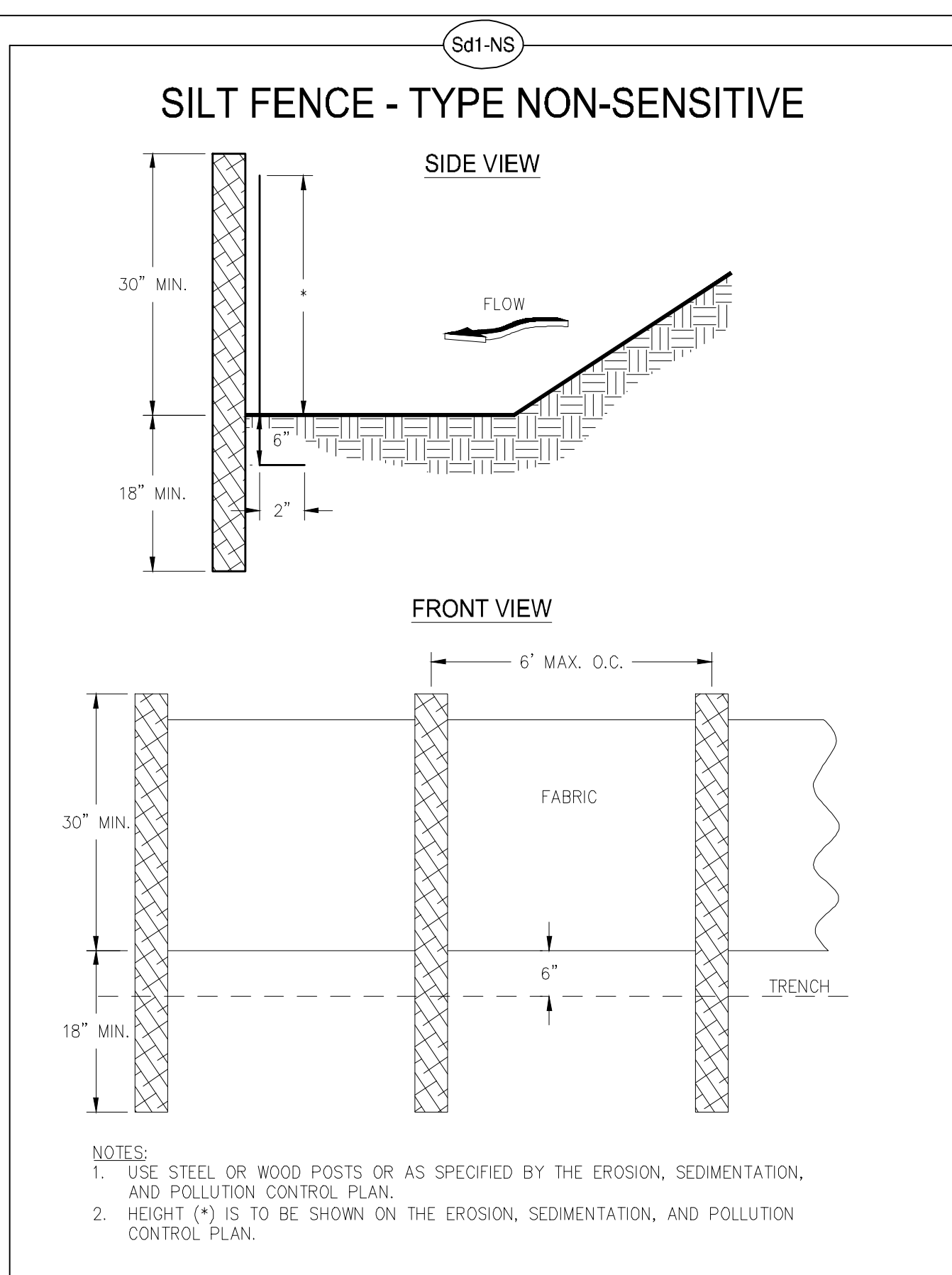
CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Cd	CHECKDAM			A small temporary barrier or dam constructed across a swale, drainage ditch or area of concentrated flow.
Ch	CHANNEL STABILIZATION			Improving, constructing or stabilizing an open channel, existing stream, or ditch.
Co	CONSTRUCTION EXIT			A crushed stone pad located at the construction site used to provide a place for removing mud from tires thereby protecting public streets.
Cr	CONSTRUCTION ROAD STABILIZATION			A temporary structure constructed as part of a construction plan including access roads, subdivision roads, parking areas and other on-site vehicle transportation routes.
Dc	STREAM DIVERSION CHANNEL			A temporary channel constructed to convey flow around a construction site with a permanent structure to be constructed.
Di	DIVERSION			An earth channel or dike located above, below or across a slope to divert runoff. This may be a temporary or permanent structure.
On	TEMPORARY DOWNSTREAM STRUCTURE			A flexible conduit of heavy-duty fabric or other material designed to safely conduct surface runoff over a slope. This is temporary and inexpensive.
Onp	PERMANENT DOWNSTREAM STRUCTURE			A paved chute, pipe, sectioned conduit or similar material designed to safely conduct surface runoff down a slope.
Fr	FILTER RING			A temporary stone barrier constructed at storm drain inlets and pond outlets.
Ga	GABION			Rock filler baskets which are hand-placed into position forming soil stabilizing structures.
Gr	GRADE STABILIZATION			Permanent structures installed to protect channels or waterways where alteration of the slope would be sufficient for the running water to form gullies.
Lv	LIVEL SPREADER			A structure to convert concentrated flow of water into less erosive sheet flow. This should be constructed only on undisturbed soils.
Rd	ROCK FILLER DAM			A permanent or temporary stone filter dam installed across small streams or drainageways.
Re	RETAINING WALL			A wall installed to stabilize cut and fill slopes where maximum permissible slopes are not obtainable. Each situation will require special design.
Rt	RETRO FITTING			A device or structure placed in front of a permanent stormwater detention pond outlet structure to serve as a temporary sediment filter.
Sd1	SEDIMENT BARRIER			A barrier to prevent sediment from leaving the construction site. It may be sandbags, bags of straw or hay, brush, logs and poles, gravel, or a silt fence.
Sd2	SILT SEDIMENT TRAP			An impounding area created by excavating around a storm drain drop inlet. The excavated area will be filled and stabilized on completion of construction activities.
Sd3	TEMPORARY SEDIMENT BASIN			A basin created by excavation or a dam across a waterway. The surface water runoff is temporarily stored allowing the bulk of the sediment to drop out.
Sd4	TEMPORARY SEDIMENT TRAP			A small temporary pond that traps a disturbed area so that sediment can settle out. The principle feature distinguishing a temporary sediment trap from a temporary sediment basin is the lack of a pipe or riser.
Sk	FLUATING SURFACE SOAKER			A buoyant device that releases/drains water from the surface of sediment ponds, traps, or basins at a controlled rate of flow.
Spb	SEEP BERM			A linear control device constructed as a diversion perpendicular to the direction of runoff to enhance dissipation and infiltration, while creating multiple sedimentation chambers with the employment of intermediate dikes.

STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Sr	TEMPORARY STREAM CROSSING			A temporary bridge or culvert-type structure protecting a stream or watercourse from damage by crossing construction equipment.
St	STORMWATER OUTLET PROTECTION			A paved or short section of grout channel at the outlet of a storm drain system preventing erosion from the concentrated runoff.
Su	SURFACE ROUGHENING			A rough soil surface with horizontal striations as a counter or slope left in a roughened condition after grading.
Tc	TURBIDITY CURTAIN			A floating or staked barrier installed within the water (it may also be referred to as a floating boom, silt barrier, or silt curtain).
Tp	TOPSOILING			The practice of shingling all the more fertile soil, storing it, then spreading it over the disturbed area after completion of construction activities.
Tr	TREE PROTECTION			To protect desirable trees from injury during construction activity.
Wt	VEGETATED MATING OR STORMWATER CONVEYANCE			Paved or vegetative water outlets for diversions, terraces, berms, dikes or similar structures.

VEGETATIVE PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Bf	BUFFER ZONE			Strip of undisturbed original vegetation, enhanced or restored existing vegetation or the reestablishment of vegetation surrounding an area of disturbance or bordering streams.
Cs	CORRAL SILE STABILIZATION (WITH VEGETATION)			Planting vegetation on dunes that are denuded or artificially constructed, or re-moistured.
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)			Establishing temporary protection for disturbed areas where seedlings may not have a suitable growing season to provide an erosion retaining cover.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP. SEEDING)			Establishing a temporary vegetative cover with fast growing seedlings on disturbed areas.
Ds3	DISTURBED AREA STABILIZATION (WITH PERM. SEEDING)			Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.
Ds4	DISBURBED AREA STABILIZATION (SOILING)			A permanent vegetative cover using sods on highly erodible or critically eroded lands.
Du	DUST CONTROL ON DISTURBED AREAS			Controlling surface and air movement of dust on construction site, roadways and similar sites.
Fl-Cc	FLOCCULANTS AND COAGULANTS			Substance formulated to assist in the solids/liquid separation of suspended particles in solution.
Sb	STREAMBANK PROTECTION (WITH VEGETATION)			The use of readily available native plant materials to maintain and enhance streambanks, or to prevent, or restore and repair small streambank erosion problems.
Ss	SLOPE STABILIZATION			A protective covering used to prevent erosion and establish temporary or permanent vegetation on steep slopes, shore lines, or channels.
Tac	TACKERS AND STRIPS			Substance used to anchor straw or hay, masts by coating the organic material to bind together.



ROCKDALE WATER RESOURCES

GEORGIA 811
UTILITIES LOCATION CENTER, INC.
Know what's below. Call before you dig.

NO.	DATE	DESCRIPTION	REVISION	
			NO.	DATE
1	2/19/2021	ISSUED FOR BID	-/-	-/-
			-/-	-/-
			-/-	-/-
			-/-	-/-

EROSION CONTROL DETAILS

DESIGNED BY: DAVID CERVONE

DRAWN BY: WALT BOBO

CHECKED BY: DAVID CERVONE

DATE: 04/15/2020

FILE NAME: FELDSTONE PLUMP STA. ELIMINATION

SHEET

C-08