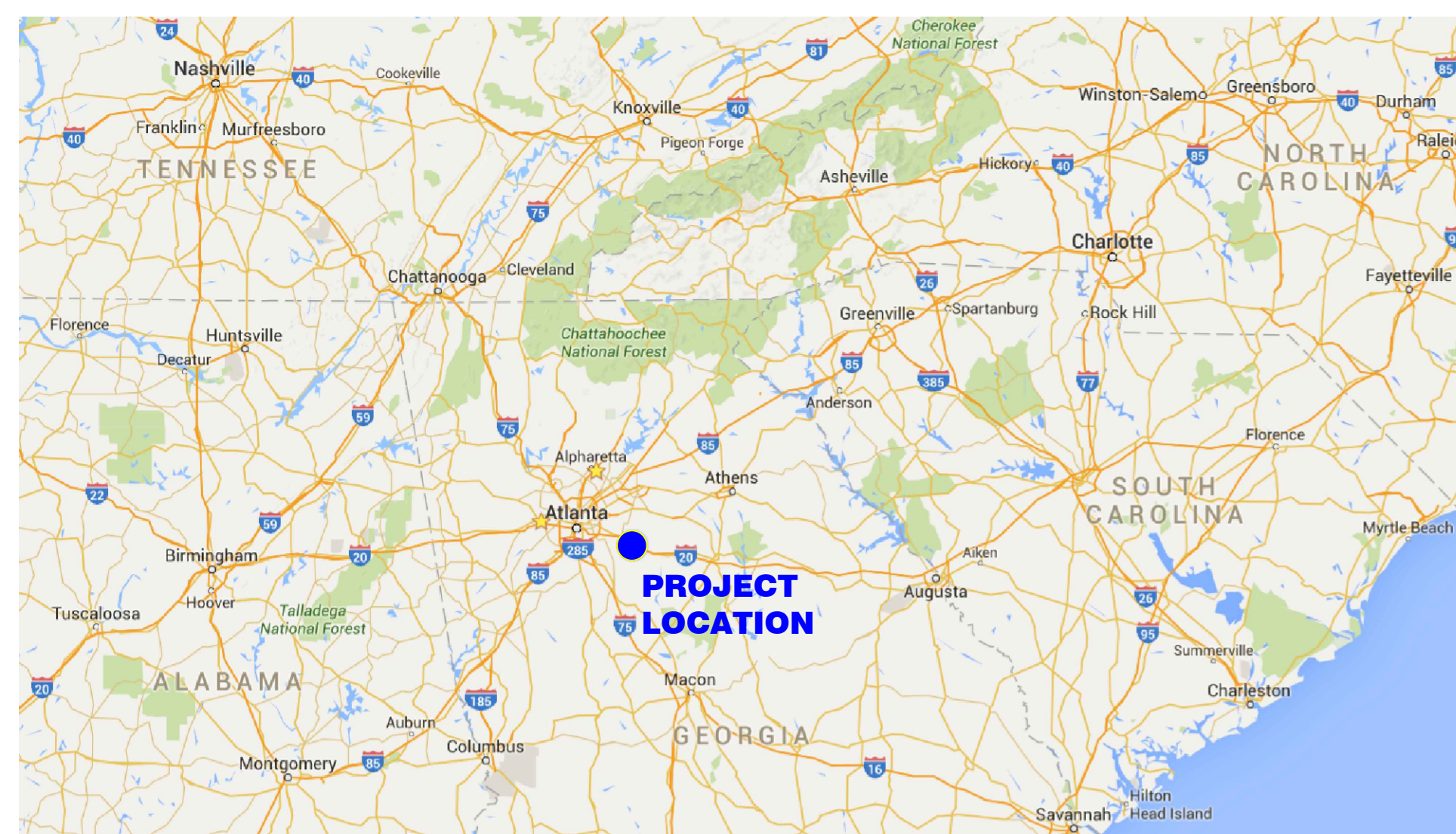


# ROCKDALE WATER RESOURCES

## CONYERS OUTLOTS - TRACT 1 & 2

### 8 INCH WATER LINE EXTENSION



**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. 30094  
CONTACT: DAVID CERVONE  
(770) 278-7486

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



**LOCATION MAP**  
NTS



REVISION			
No.	DATE	DESCRIPTION	DESCRIPTION
1	10/09/2019	FOR BIDDING	

**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

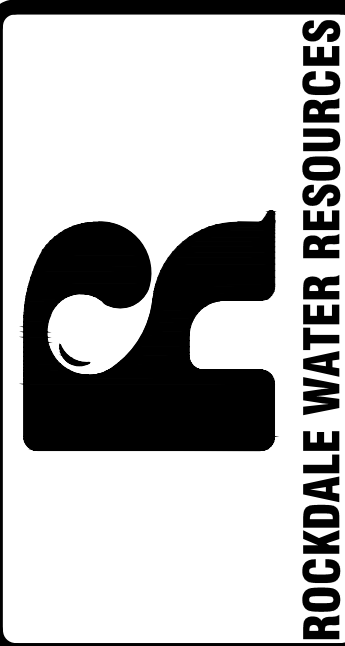
SHEET  
**G-00**



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	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
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
INV	INVERT
PROP	PROPOSED

LEGEND	
	UTILITY POLE
	STREET SIGN
	REVISION CLOUD
	SOIL BORE LOCATION
	CONTOURS-EXISTING
	GAS MAIN
	OVERHEAD POWER
	UNDER GROUND 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
	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			
No.	DATE	DESCRIPTION	DESCRIPTION
1	10/09/2019	FOR BIDDING	
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	-/-/-		
	-/-/-		
	-/-/-		
	-/-/-		

**DRAWING LIST, SYMBOLS & ABBREVIATIONS**

DESIGNED BY: DAVID CERVONE  
 DRAWN BY: WALT BOBO  
 CHECKED BY: DAVID CERVONE  
 DATE: 08/07/2019  
 FILE NAME: CONVERS OUTLOTS 1&2

SHEET  
**G-01**





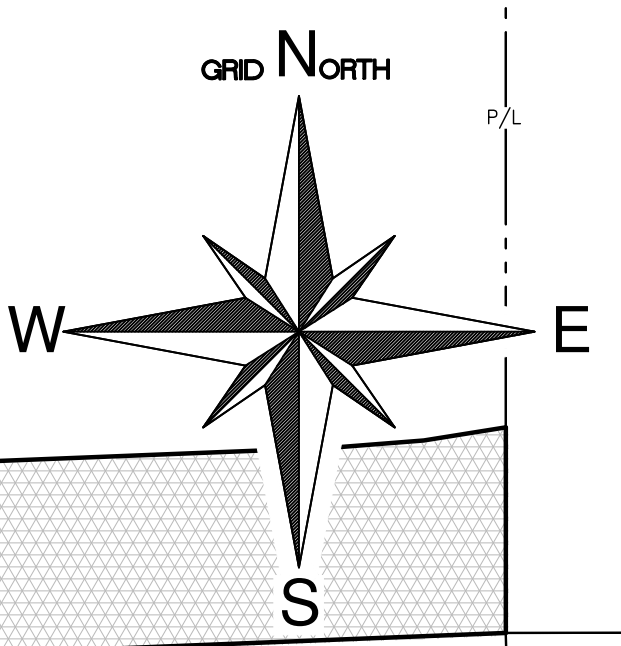
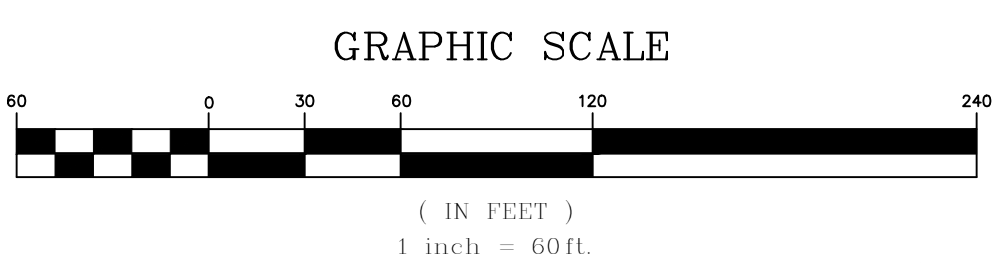


REVISION		DESCRIPTION	DATE
No.	Date	Description	
1	10/07/2019	FOR BIDDING	-/-/-

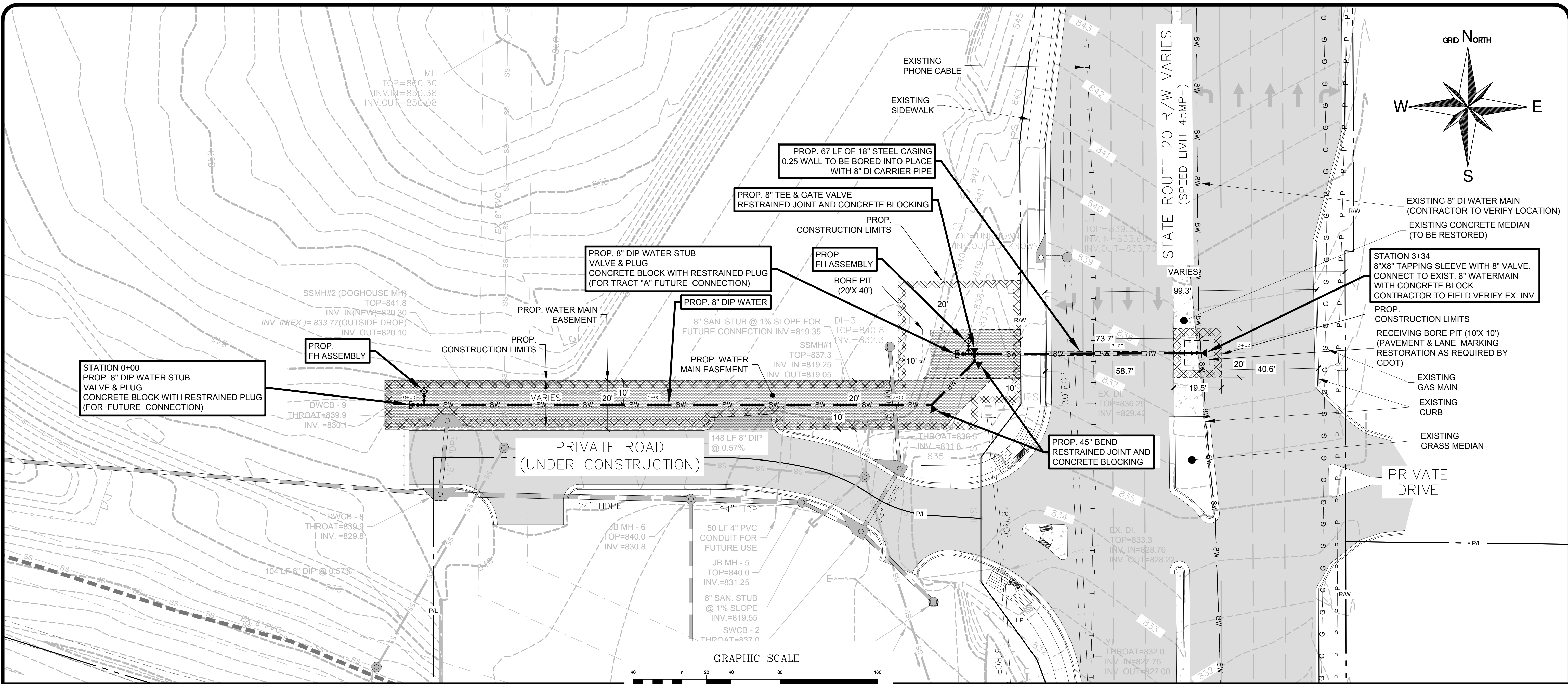
**SITE PLAN**

DESIGNED BY: DAVID CERVONE  
 DRAWN BY: WALT BOBO  
 CHECKED BY: DAVID CERVONE  
 DATE: 08/07/2019  
 FILE NAME: CONYERS OUTLOTS 1&2

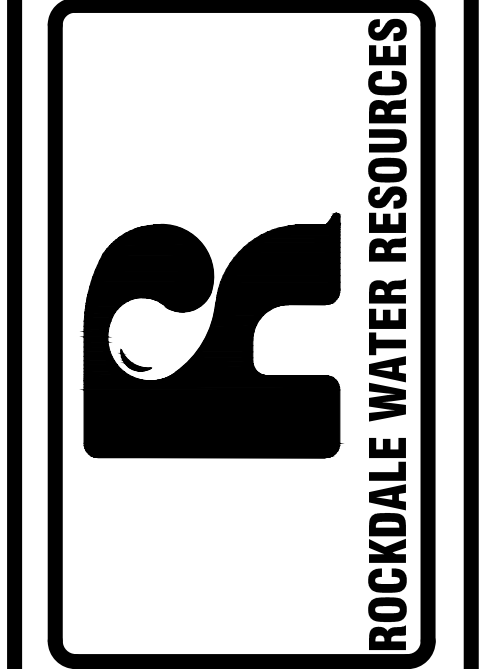
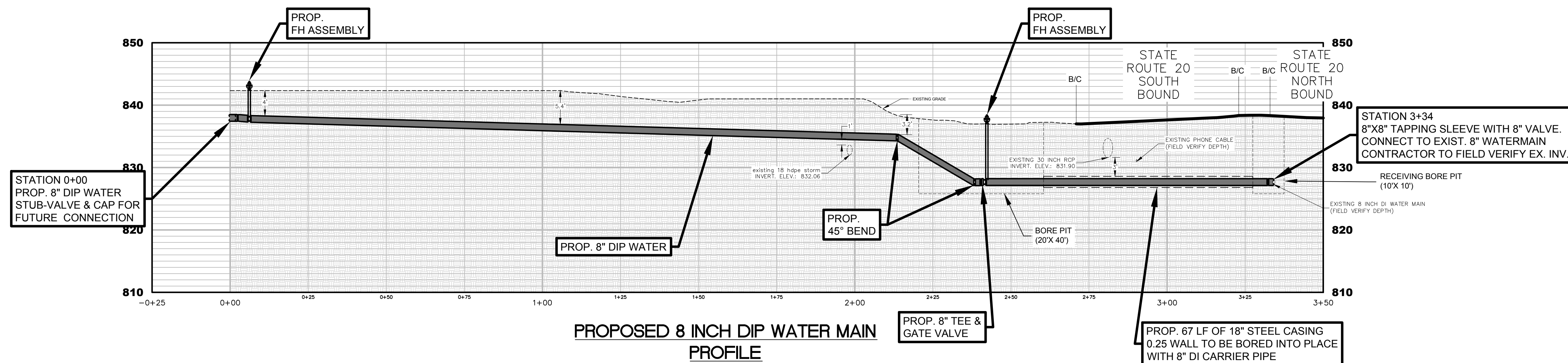
SHEET  
**G-03**







NOTE:  
 THE PRIVATE ROAD IS CURRENTLY UNDER CONSTRUCTION.  
 DESIGN INFORMATION WAS PROVIDED BY ROBERTSON LOIA  
 ROOF ARCHITECTS & ENGINEERS.



REVISION		DESCRIPTION	DATE
No.	DATE	DESCRIPTION	
1	10/07/2019	FOR BIDDING	-/-/-
			-/-/-
			-/-/-
			-/-/-
			-/-/-

**PLAN AND PROFILE**

DESIGNED BY: DAVID CERVONE  
 DRAWN BY: WALT BOBO  
 CHECKED BY: DAVID CERVONE  
 DATE: 08/07/2019  
 FILE NAME: CONYERS OUTLOTS 1&2

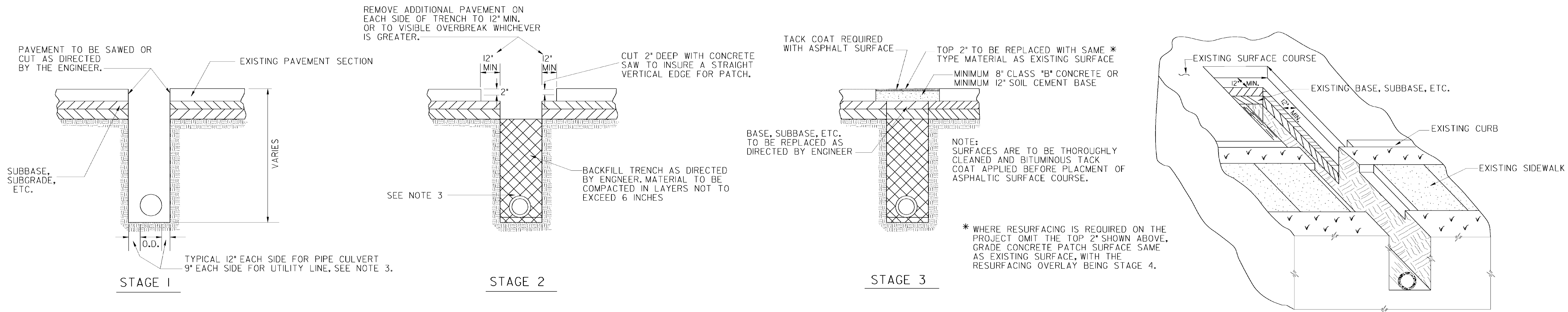




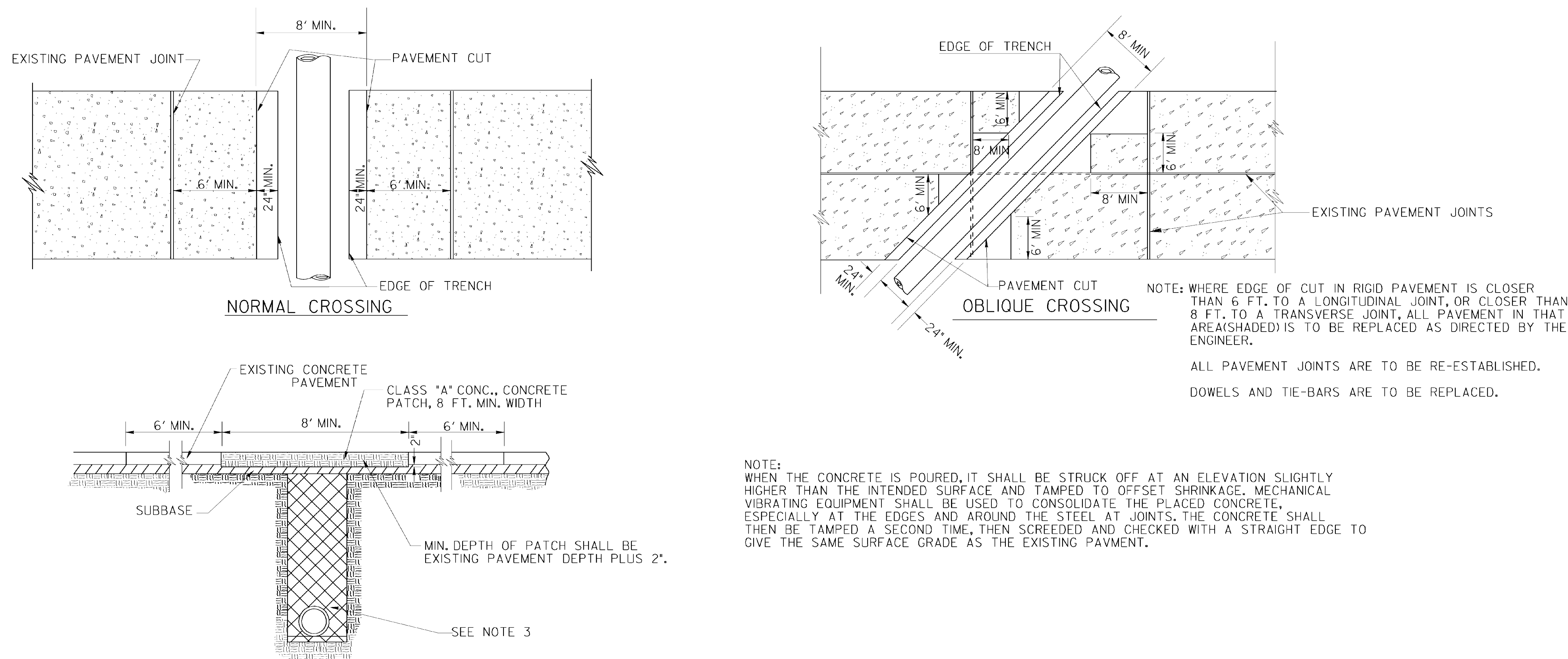


STORM DRAIN AND UTILITY INSTALLATION BY OPEN CUT - GENERAL

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



STORM DRAIN AND UTILITY INSTALLATION BY OPEN CUT ACROSS P.C. CONCRETE PAVING

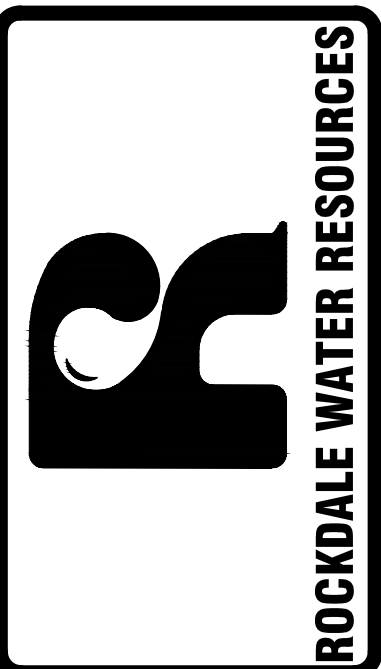


GENERAL NOTES:

- SPECIFICATIONS: GEORGIA STANDARD, CURRENT EDITION & SUPPLEMENTS THERETO.
- (a) OTHER PAVEMENT REPLACEMENT MATERIALS, SUCH AS HIGH EARLY STRENGTH CONCRETE, MAY BE SUBSTITUTED FOR MATERIALS SHOWN WHEN CALLED FOR IN THE PLANS OR BY THE ENGINEER.  
(b) PAYMENT FOR PIPE CULVERT OR UTILITY SHALL INCLUDE SAWING AND/OR CUTTING AND REMOVING EXISTING PAVEMENT AND REPLACING THE PAVEMENT AS SPECIFIED. PAYMENT FOR PIPE OR UTILITY INCLUDES THIS PAVEMENT REPLACEMENT MATERIAL REGARDLESS OF WHERE MATERIALS SHOWN ARE USED OR WHERE OTHER MATERIALS SUCH AS HIGH EARLY STRENGTH CONCRETE ARE USED.  
(c) PAYMENT FOR PIPE CULVERT OR UTILITY INSTALLATION SHALL INCLUDE REPLACING IN KIND ANY PORTIONS OF SIDEWALK, CURB, CURB & GUTTER, MEDIAN PAVING, DRIVEWAYS, ETC., WHICH ARE DISTURBED DUE TO THE INSTALLATION.
- TRENCH DETAIL SHOWN IS GENERAL, SEE STANDARD 1030D FOR DETAILS REQUIRED FOR PIPE CULVERT INSTALLATIONS. SEE THE UTILITIES MANUAL FOR UTILITY INSTALLATION REQUIREMENTS.
- AFTER REMOVING EXISTING PAVEMENT, THE SUBBASE AND VERTICAL FACE OF EXISTING PAVING SHALL BE DAMPED (BUT NOT WET). ADDITIONALLY, THE VERTICAL FACE OF THE EXISTING PAVEMENT SHALL BE PAINTED WITH A SOLUTION OF PORTLAND CEMENT AND WATER MIXED TO THE CONSISTENCY OF HEAVY PAINT. THE CONCRETE MIX SHALL THEN BE POURED BEFORE THIS SURFACE DRIES OUT. AFTER CONCRETE IS POURED, IT SHALL BE WORKED INTO ALL CORNERS AND INTO ALL ROUGH SURFACES OF THE EXISTING PAVEMENT.
- WHERE PIPE IS REMOVED, BUT NOT REPLACED, PAYMENT FOR PIPE REMOVAL INCLUDES ALL ITEMS DESCRIBED IN GENERAL NOTE 2., WITH ALL OTHER NOTES AND DETAILS ALSO BEING APPLICABLE.

NOTE: THIS STANDARD IS FOR USE WHERE PERMANENT PAVEMENT PATCHING IS REQUIRED. TEMPORARY PATCHING, IF REQUIRED, SHALL BE ACCORDING TO OTHER DETAILS, SPECIFICATIONS, AND/OR AS DIRECTED BY THE ENGINEER.

DATE		DEPARTMENT OF TRANSPORTATION	
REVISION		STATE OF GEORGIA	
		STANDARD	
		PAVEMENT PATCHING DETAILS	
		(STORM DRAIN OR UTILITY INSTALLATIONS BY OPEN CUT ACROSS EXISTING PAVEMENT)	
		NO SCALE	
		REV. & REDR., AUG. 1999	
BY	REV. (SUBMITTED)	James H. Kennel	NUMBER
TRA.	(APPROVED)	Tom L. Smith	1401
CHK.		CHIEF ENGINEER	



REVISION		DESCRIPTION	DATE
No.	DATE	DESCRIPTION	
1	10/9/2019	FOR BIDDING	

CIVIL DETAILS  
GDOT PAVEMENT PATCH DETAILS

DESIGNED BY: DAVID CERVONE  
DRAWN BY: WALT BOBO  
CHECKED BY: DAVID CERVONE  
DATE: 08/07/2019  
FILE NAME: CONVERS OUTLOTS 1&2

SHEET  
C-03







## 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:

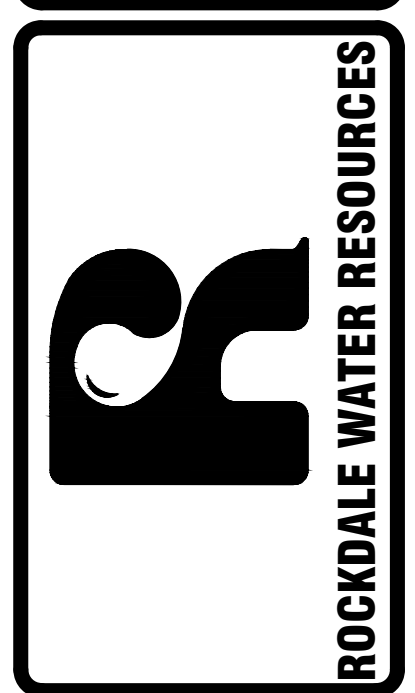
1. **INITIAL CONTROLS: INSTALL PERIMETER SILT FENCE WHERE APPLICABLE PRIOR TO CONDUCTING GRADING ACTIVITIES.**
2. **INTERMEDIATE CONTROLS: INSTALL SILT FENCE, CHECK DAMS, MATTS AND BLANKETING, TEMPORARY/PERMANENT SEEDING WITH MULCH AND GRAVEL (PAVEMENT AREAS) EVERY DAY AND PRIOR TO ANY RAIN EVENT.**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

APPROXIMATE CONSTRUCTION SCHEDULE								
ACTIVITY	WEEK-1	WEEK-2	WEEK-3	WEEK-4	WEEK-5	WEEK-6	WEEK-7	WEEK-8
1	█							
2	█	█						
3	█	█	█					
4		█	█	█				
5					█	█		
6						█	█	
7	█	█	█	█	█	█		



No.	DATE	DESCRIPTION	REVISION	
			No.	DATE
1	10/07/2019	FOR BIDDING	-	-
	-/-/-		-	-
	-/-/-		-	-
	-/-/-		-	-
	-/-/-		-	-
	-/-/-		-	-

**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  
Soil Map



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 11, Sep 15, 2018

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

Date(s) aerial images were photographed: Mar 1, 2016—Sep 27, 2017

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.

Custom Soil Resource Report

### 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%
CeB	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%
PaB	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%
PIC2	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%
<b>Totals for Area of Interest</b>		<b>164.8</b>	<b>100.0%</b>

REVISION		DESCRIPTION
No.	DATE	
1	10/07/2019	FOR BIDDING

#### EROSION CONTROL NOTES

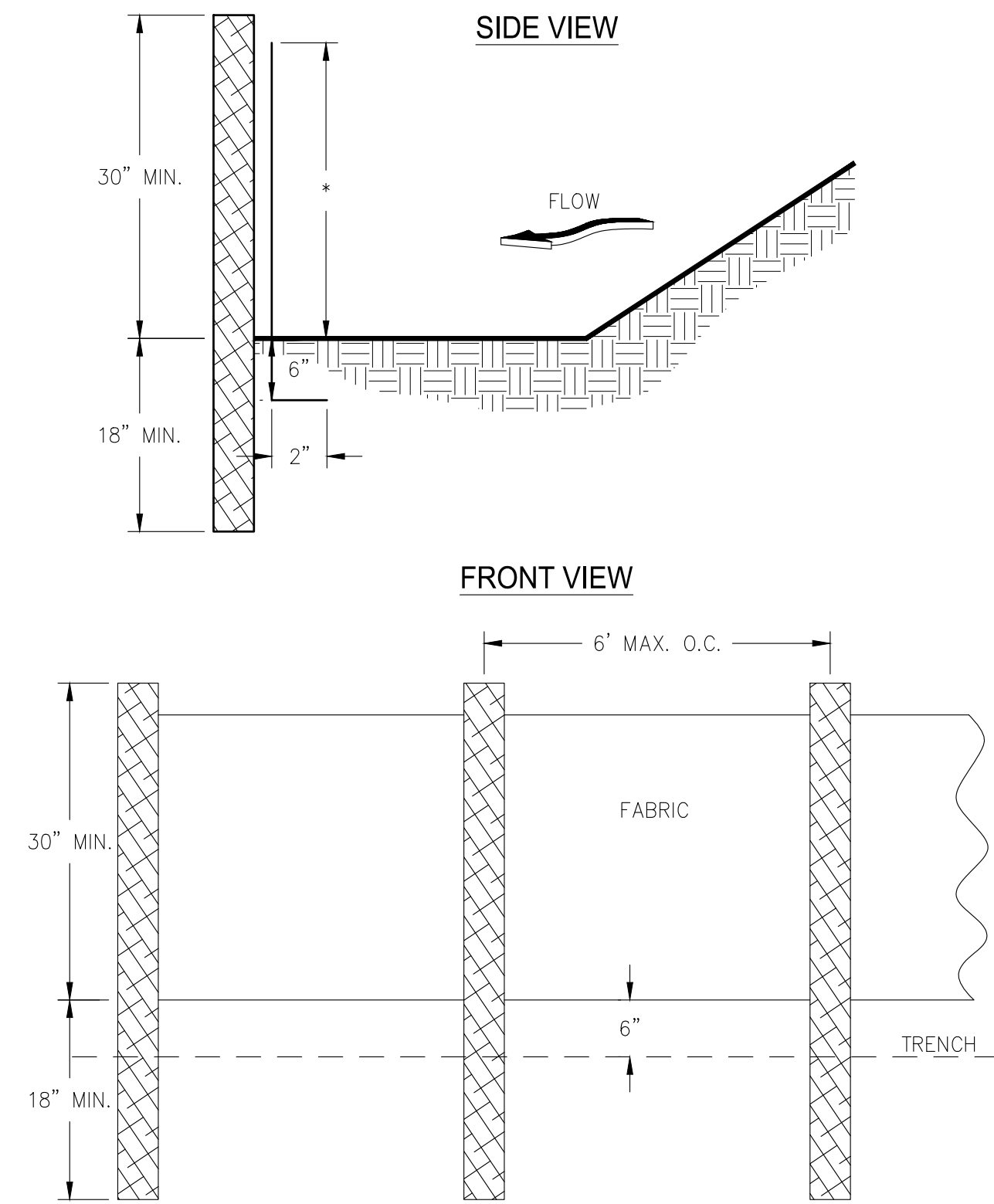
DESIGNED BY: DAVID CERVONE
DRAWN BY: WALT BOBO
CHECKED BY: DAVID CERVONE
DATE: 08/07/2019
FILE NAME: CONYERS OUTLOTS 1&2

SHEET

## C-06



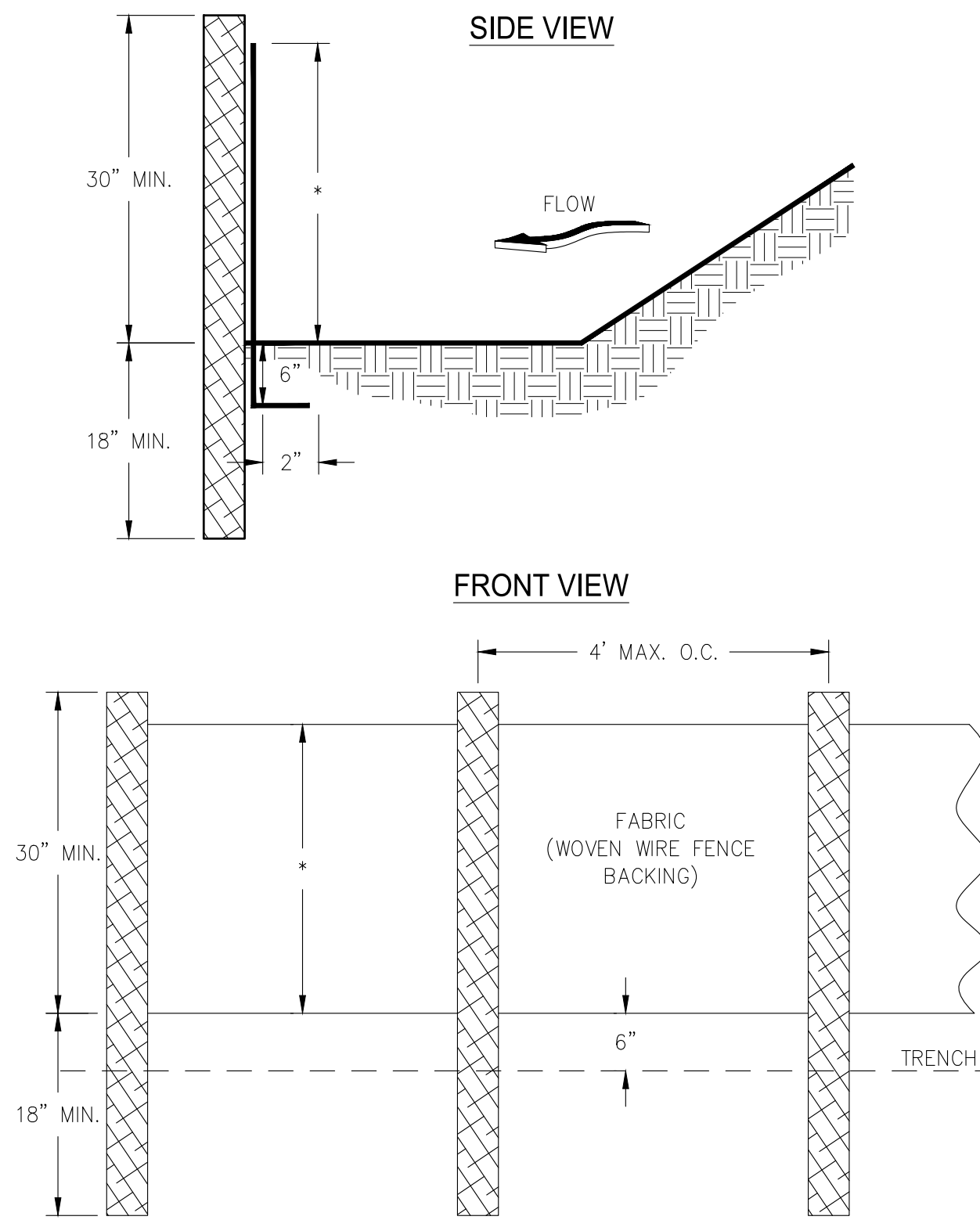
### SILT FENCE - TYPE NON-SENSITIVE



- NOTES:**
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
  2. HEIGHT (\*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

**Sd1-NS** SILT FENCE-TYPE NON-SENSITIVE

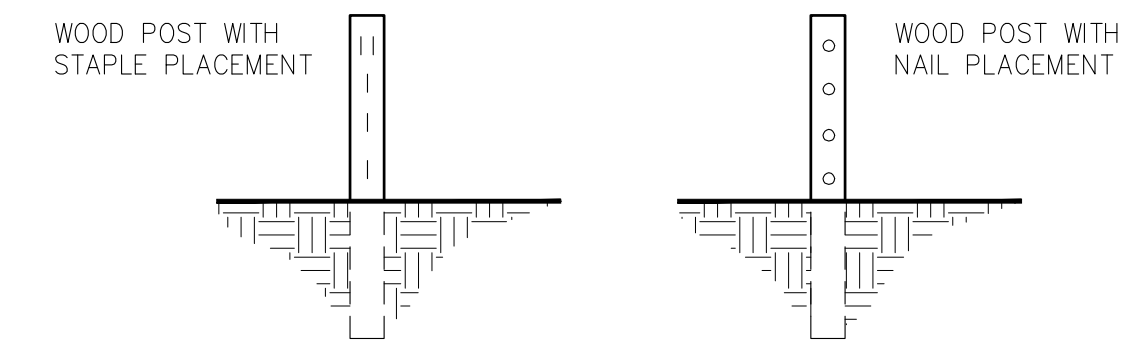
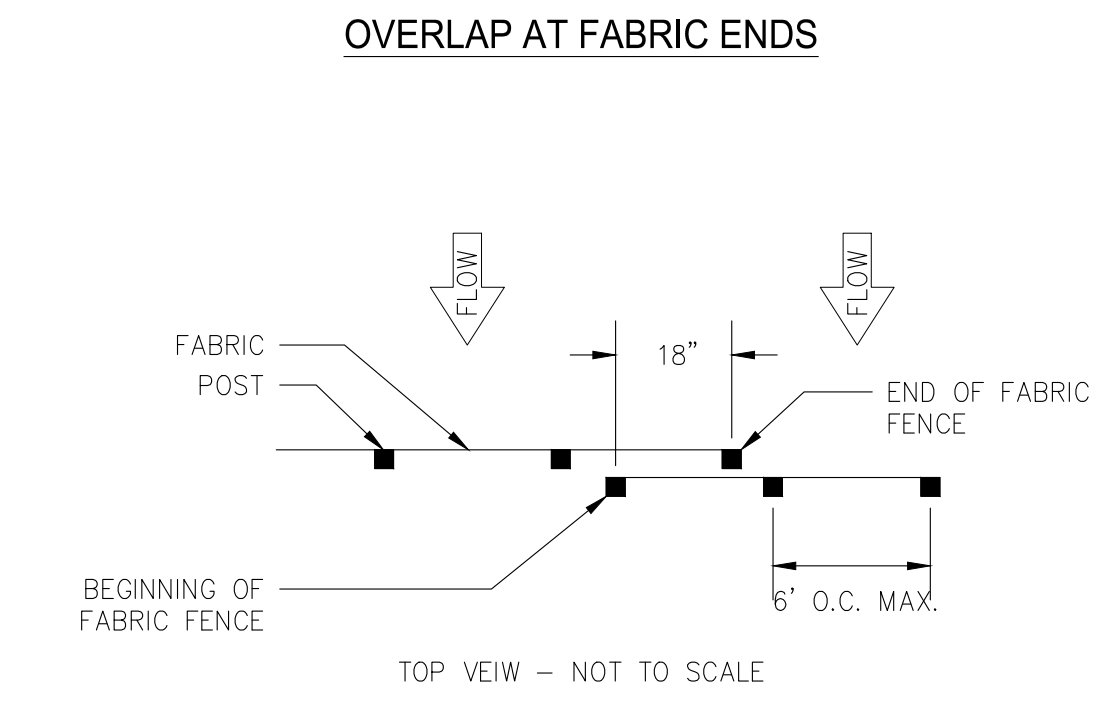
### SILT FENCE - TYPE SENSITIVE



- NOTES:**
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
  2. HEIGHT (\*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

**Sd1-S** SILT FENCE-TYPE SENSITIVE

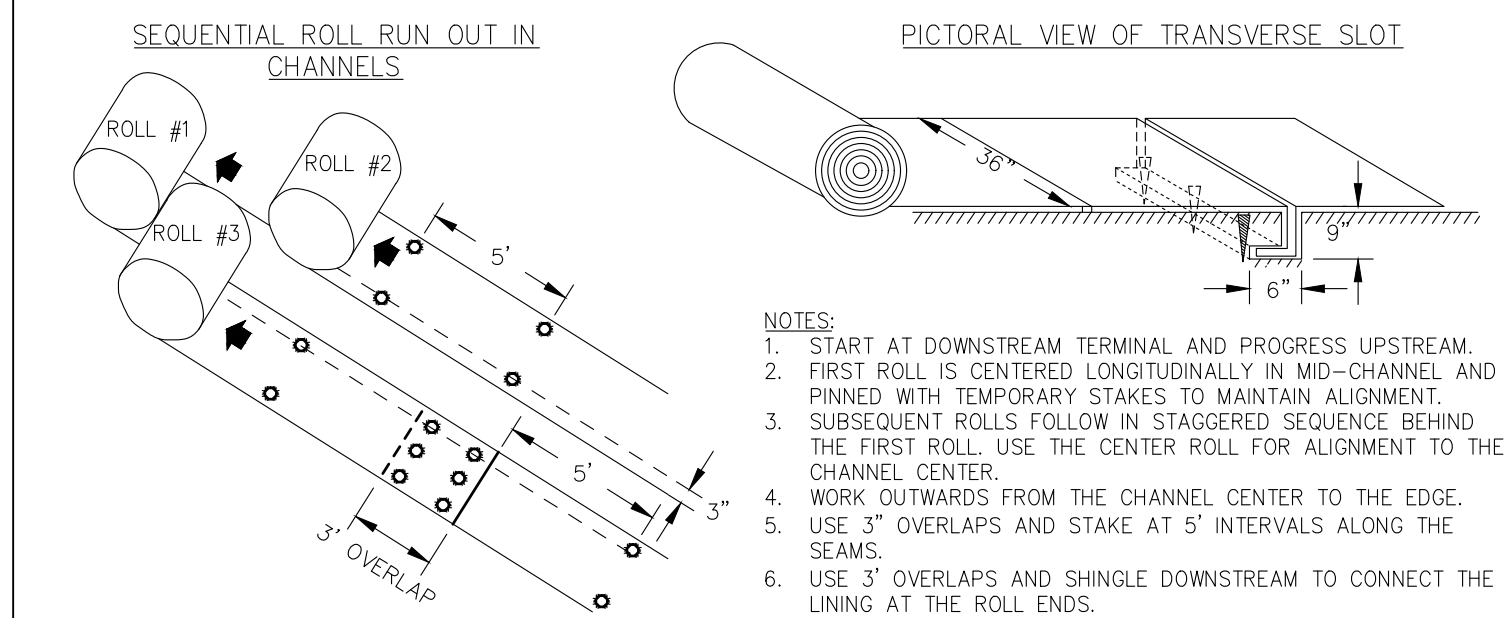
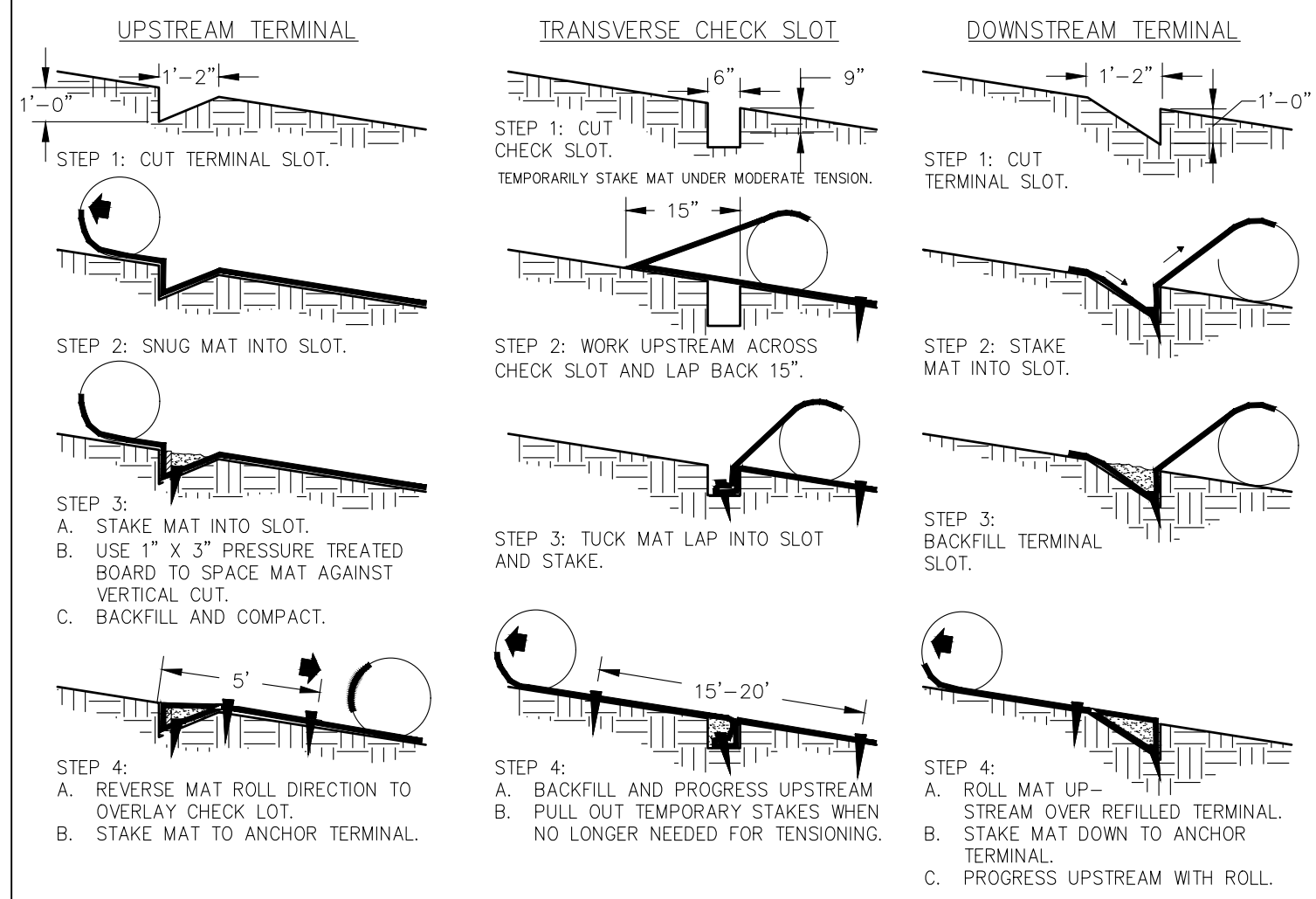
### FASTENERS FOR SILT FENCES



- NOTES:**
1. THE FABRIC AND WIRE SHOULD BE SECURELY FASTENED TO POSTS AND FABRIC ENDS MUST BE OVERLAPPED A MINIMUM OF 18" OR WRAPPED TOGETHER AROUND A POST TO PROVIDE A CONTINUOUS FABRIC BARRIER AROUND THE INLET.

### TYPICAL INSTALLATION GUIDELINES FOR ROLLED EROSION CONTROL PRODUCTS (RECP)

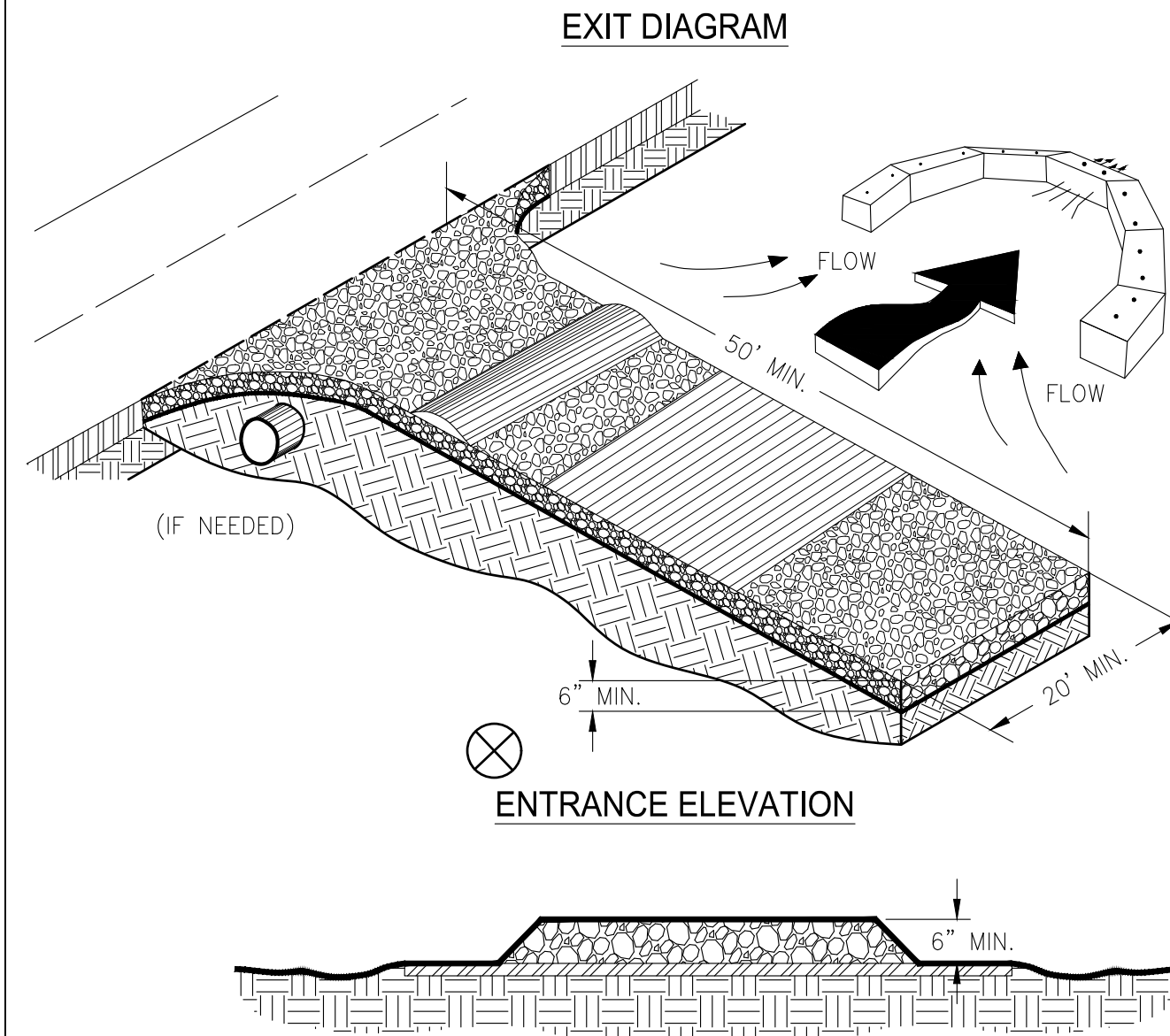
#### BLANKET AND MATTING CROSS-SECTIONS



- NOTES:**
1. START AT DOWNSTREAM TERMINAL AND PROGRESS UPSTREAM.
  2. FIRST ROLL IS CENTERED LONGITUDINALLY IN MID-CHANNEL AND PINNED WITH TEMPORARY STAKES TO MAINTAIN ALIGNMENT.
  3. SUBSEQUENT ROLLS FOLLOW IN STAGGERED SEQUENCE BEHIND THE FIRST ROLL. USE THE CENTER ROLL FOR ALIGNMENT TO THE CHANNEL CENTER.
  4. WORK OUTWARDS FROM THE CHANNEL CENTER TO THE EDGE.
  5. USE 3" OVERLAPS AND STAKE AT 5' INTERVALS ALONG THE SEAMS.
  6. USE 3" OVERLAPS AND SHINGLE DOWNSTREAM TO CONNECT THE LINING AT THE ROLL ENDS.

**Ss** SLOPE STABILIZATION

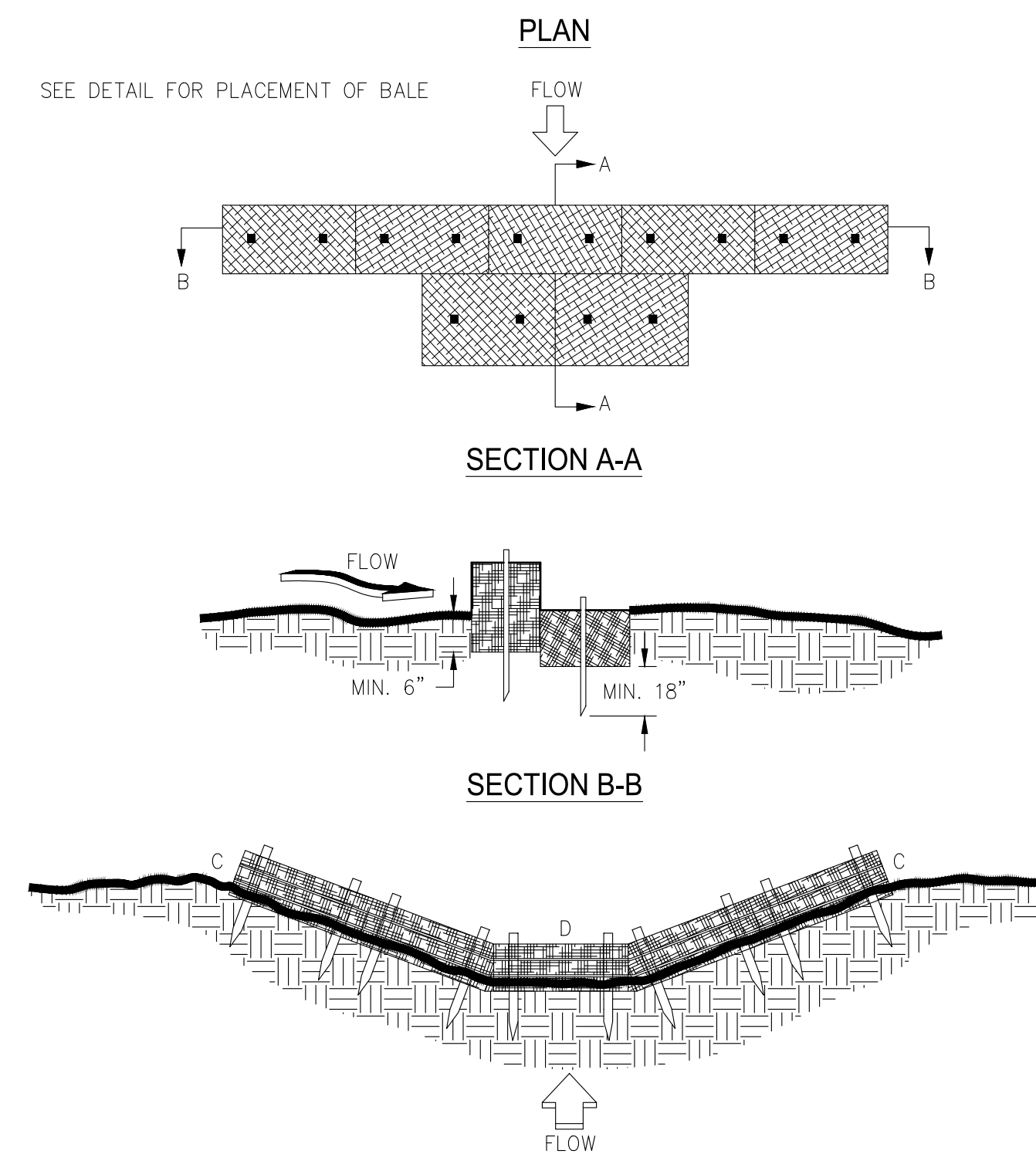
### CRUSHED STONE CONSTRUCTION EXIT



- NOTES:**
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
  2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
  3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
  4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
  5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
  6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
  7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
  8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
  9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
  10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

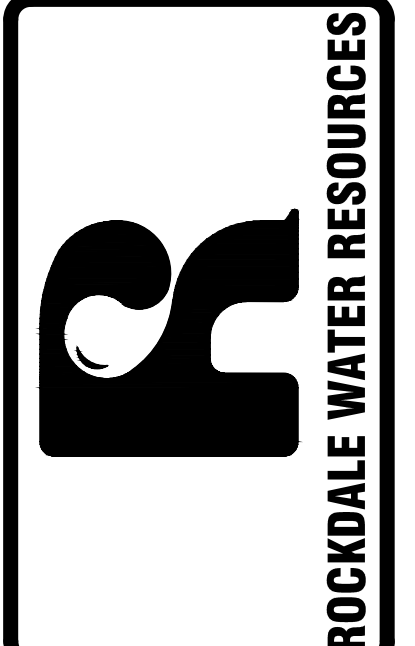
**Co** CONSTRUCTION EXIT

### TYPICAL STRAW BALE CHECK DAM



- NOTES:**
1. BALES SHOULD BE BOUND WITH WIRE OR NYLON STRING AND SHOULD BE PLACED IN ROWS WITH BALE ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
  2. REMOVE #4 REBAR AFTER STRAW BALES ARE NO LONGER IN PLACE.
  3. POINT C OF SECTION B-B SHOULD ALWAYS BE HIGHER THAN POINT D.

**Cd-Hb** CHECK DAM STRAW-BALE



REVISION	No.	DATE	DESCRIPTION
	1	10/9/2019	FOR BIDDING

**EROSION CONTROL NOTES**

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 DRAWN BY: WALT BOBO  
 CHECKED BY: DAVID CERVONE  
 DATE: 08/07/2019  
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