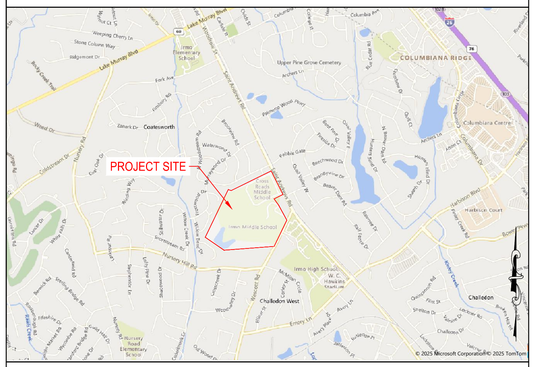
CROSSROADS INTERMEDIATE SCHOOL
CULVERT REPLACEMENT

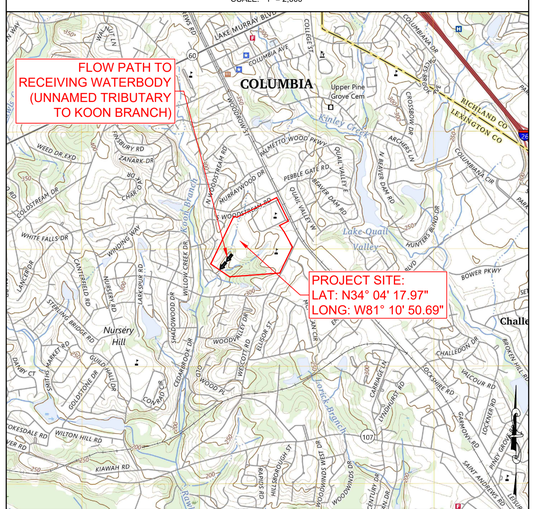
6949 St. Andrews Rd.
Columbia, SC 29212



LOCATION MAP
SCALE: 1" = 500'



VICINITY MAP
SCALE: 1" = 2,000'



QUAD MAP
SCALE: 1" = 2,000'

LIST OF DRAWINGS

SHEET	TITLE	ISSUED	REV #	
	CIVIL DRAWINGS			
C0.1	COVER SHEET			
C0.2	GENERAL NOTES			
C1.0	EXISTING CONDITIONS AND DEMOLITION PLAN			
C3.0	GRADING, DRAINAGE & EROSION CONTROL PLAN			
C3.1	STORM DRAINAGE PROFILE			
C6.0	EROSION CONTROL DETAILS			
C6.1	EROSION CONTROL DETAILS			
C6.2	STORM DRAINAGE DETAILS			
C6.3	STORM DRAINAGE DETAILS			

CIVIL ABBREVIATIONS:

BTTM	BOTTOM	OC	ON CENTER
BES	BEVELED END SECTION	ODSA	OPERATOR OF DAY TO DAY SITE ACTIVITIES
BM	BENCHMARK		
BMP	EROSION CONTROL BEST MANAGEMENT PRACTICES	PC	POINT OF CURVATURE
		POA	POINT OF ANALYSIS
BW	BOTH WAYS	PP	POWER POLE
CB	CATCH BASIN	PT	POINT OF TANGENT
CI	CURB INLET	PVC	POLYVINYL CHLORIDE
CGP	NPDES CONSTRUCTION GENERAL PERMIT SCR 100000	PVMT	PAVEMENT
		RAD	RADIUS
CL	CENTERLINE	RCP	REINFORCED CONCRETE PIPE
CMP	CORRUGATED METAL PIPE	RD	ROOF DRAIN
CO	CLEANOUT	REQD	REQUIRED
CONC	CONCRETE	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
CY	CUBIC YARDS		
DCVA	DOUBLE CHECK VALVE ASSEMBLY	R/W	RIGHT OF WAY
DI	DROP INLET	SABC	STABILIZED AGGREGATE BASE COURSE
DIA	DIAMETER		
DIP	DUCTILE IRON PIPE	SF	SQUARE FEET
DS	DOWNSPOUT	SWPPP	STORM WATER POLLUTION PREVENTION PLAN
EL	ELEVATION		
EXST	EXISTING	SB	SILT BARRIER
EW	EACH WAY	SCDES	SOUTH CAROLINA DEPARTMENT OF ENVIRONMENTAL SERVICES
FFE	FINISHED FLOOR ELEVATION		
FG	FINISHED GRADE		
FH	FIRE HYDRANT	SCDOT	SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
FM	FORCE MAIN		
GI	GRATE INLET	SD	STORM DRAINAGE
HDPE	HIGH DENSITY POLYETHYLENE	SS	SANITARY SEWER SERVICE
IAW	IN ACCORDANCE WITH	STA	STATION
IE	INVERT ELEVATION	TELECOM	TELECOMMUNICATION
JB	JUNCTION BOX	TBM	TEMPORARY BENCH MARK
LF	LINEAR FEET	TC	TOP OF CURB
LOD	LIMITS OF DISTURBANCE	TG	TOP OF GUTTER
LP	LIGHT POLE	TP	TOP OF PAVEMENT
MATL	MATERIAL	TYP	TYPICAL
MAX	MAXIMUM	VC	VITRIFIED CLAY
MH	MANHOLE	W	WATER
MIN	MINIMUM	W/	WITH
MS4	MUNICIPAL SEPARATE STORM SEWER SYSTEM	WS	WATER SERVICE
		WV	WATER VALVE
NOI	NOTICE OF INTENT		
NOT	NOTICE OF TERMINATION		
NTS	NOT TO SCALE		

PROJECT INFORMATION

DEVELOPMENT DATA	
PROJECT NAME	CROSSROADS INTERMEDIATE SCHOOL CULVERT REPLACEMENT
DEVELOPMENT DESCRIPTION	REPLACEMENT OF EXISTING 60" PIPE CULVERT AND DRAINAGE STRUCTURES
PROPERTY OWNER INFO:	SCHOOL DISTRICT FIVE OF LEXINGTON & RICHLAND COUNTIES 1020 DUTCH FORK ROAD IRMO, SC 26063 POINT OF CONTACT: STEVE KANE SKANE@LEXRICH5.ORG
CIVIL ENGINEERING PLAN PREPARED BY:	ADC ENGINEERING, INC. 7436 BROAD RIVER RD, SUITE 212, IRMO, SC 29063 POINT OF CONTACT: CLAY CANNON CLAYC@ADCENGINEERING.COM MOBILE: 803-727-4474
PROPERTY INFORMATION	
TMS	002797-02-007
ADDRESS	6671 ST. ANDREWS ROAD
STREET MAINTENANCE AND CLASSIFICATION	
ST. ANDREWS ROAD (S-36)	(SCDOT) MINOR ARTERIAL
FLOOD ZONE STATEMENT	SITE IS LOCATED WITHIN ZONE X (FEMA MAP NUMBER 45063C0133J, EFFECTIVE DATE OF JULY 5, 2018)
WETLAND STATUS	THERE ARE NO WETLANDS ON THE PROPERTY
ZONING INFORMATION	
MUNICIPALITY	LEXINGTON COUNTY
SITE AREA	128.29 AC.
PROPOSED BUILDING AREA	N/A
EXISTING ZONING	C2 - GENERAL COMMERCIAL
PROPOSED ZONING	NO CHANGE
HEIGHT LIMITATION	N/A
HISTORIC DISTRICT	NONE
PLANNING/ZONING CONTACT	
UTILITY INFORMATION	
TELEPHONE/CABLE PROVIDER	N/A
ELECTRIC PROVIDER	N/A
NATURAL GAS PROVIDER	N/A
SEWER PROVIDER	N/A
STORM PROVIDER	LEXINGTON COUNTY
WATER PROVIDER	N/A

SCHOOL DISTRICT FIVE OF LEXINGTON & RICHLAND COUNTIES

CROSSROADS INTERMEDIATE CULVERT REPLACEMENT

IRMO
SOUTH CAROLINA

SOUTH CAROLINA — ADC ENGINEERING INC. No. 00253 — CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA — REGISTERED PROFESSIONAL ENGINEER — No. 22779 — CLAY W. CANNON — 01/27/2026

ADC ENGINEERING
7436 Broad River Road, SUITE 212
Irmo SC 29063
803-732-7080
ADCENGINEERING.COM

811 — CONTRACTOR SHALL CONTACT 811 (1-888-721-7877) FOR LOCATIONS OF ALL UTILITIES AT LEAST 72 HOURS PRIOR TO BEGINNING CONSTRUCTION. Know what's **below.** **Call** before you dig.

DATE:	01/27/2026
ADC PROJECT #:	25206
DESIGNED:	CWC
CHECKED:	CWC
DRAWN:	JRD
REVISION:	

COVER SHEET

C0.1

ISSUED FOR BIDDING

GENERAL SURVEY NOTES:

1. TOPOGRAPHIC AND BOUNDARY INFORMATION BY CHAO AND ASSOCIATES, INC., DATED 9/18/2025, NOT VERIFIED BY ADC ENGINEERING, INC.
2. THE ELEVATIONS DEPICTED HEREON ARE BASED ON NAVD88 DATUM. THE HORIZONTAL CONTROL IS BASED ON SCSPC NAD83(2011).
3. ALL PROJECT STAKEOUT SHALL BE PERFORMED BY A REGISTERED LAND SURVEYOR TO BE PAID FOR BY THE CONTRACTOR. FOR STAKEOUT, DO NOT RELY SOLELY ON THE PHYSICAL SCALE AS SHOWN IN DRAWINGS. REFER TO THE GIVEN DIMENSIONS, SYMBOL LEGEND, KEYNOTES, AND REFERENCED DETAILS FOR CORRECT STAKEOUT.

GENERAL CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION OF ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS.
2. THE CONTRACTOR SHALL NOTIFY PUPS AT 1-888-721-7877 AT LEAST 72 HOURS PRIOR TO CONSTRUCTION TO HAVE ALL UNDERGROUND UTILITIES LOCATED.
3. ALL COMMUNICATION FOR THIS PROJECT SHALL BE COORDINATED WITH THE CONSTRUCTION MANAGER. ANY DIRECT CONTACT BETWEEN CONTRACTOR-OWNER, CONTRACTOR-ARCHITECT AND CONTRACTOR/ENGINEER SHALL BE COORDINATED WITH THE CONSTRUCTION MANAGER.
4. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY TO COMPLETE ALL WORK AS INDICATED ON THE CONSTRUCTION DOCUMENTS
5. THE CONTRACTOR SHALL VISIT THE JOB SITE AND BE RESPONSIBLE FOR REVIEWING CONTRACT DOCUMENTS, FIELD CONDITIONS, DIMENSIONS AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION.
6. THE CONTRACTOR SHALL RECEIVE, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
7. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
8. ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES.
9. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
10. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, USING THE BEST SKILLS AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THIS CONTRACT.
11. DETAILS ARE INTENDED TO SHOW FINAL RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB SITE DIMENSIONS OR CONDITIONS AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
12. THE CONTRACTOR SHALL MAKE ALL NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, ROADWAY, DRAINAGE WAYS, CULVERTS AND VEGETATION UNTIL SUCH ITEMS ARE TO BE DISTURBED OR REMOVED AS INDICATED ON THE CONSTRUCTION DOCUMENTS.
13. CONTRACTOR SHALL KEEP JOB SITE ARE CLEAN, HAZARD FREE AND DISPOSE OF ALL DIRT, DEBRIS AND RUBBISH. AT COMPLETION OF THE PROJECT CONTRACTOR SHALL REMOVE ALL MATERIAL AND EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY.
14. REPRESENTATIONS OF TRUE NORTH SHALL NOT BE USED TO IDENTIFY OR ESTABLISH THE BEARING OF TRUE NORTH AT THIS JOB SITE.
15. SIZE, LOCATION AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON AS-BUILT DRAWINGS BY THE CONTRACTOR AND ISSUED TO THE ARCHITECT/ENGINEER AT THE COMPLETION OF THE PROJECT.
16. THE CONTRACTOR SHALL CLEAR THE SITE OF ALL VEGETATION, DEBRIS, AND EXISTING IMPROVEMENTS WITHIN THE PROJECT SITE TO PROMOTE CONSTRUCTION.
17. ALL WORK BY THE PRIME CONTRACTOR AND SUB CONTRACTORS SHALL BE PERFORMED IN ACCORDANCE WITH OSHA GUIDELINES. THE PRIME CONTRACTOR SHALL BE RESPONSIBLE FOR MONITORING AND ENFORCING ALL OSHA SAFETY REGULATIONS.
18. ALL MARKINGS WITHIN THE SCDOT R/W SHALL BE APPROVED PERMANENT PAVEMENT MARKINGS PER SECTIONS 625, 626, OR 627 WITHIN THE SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
19. ALL PARKING LOTS STRIPING SHOWN SHALL BE PERFORMED BY CONTRACTOR USING TRAFFIC MARKING PAINT. PAINT SHALL BE SHERWIN-WILLIAMS "PRO-MAR" TRAFFIC MARKING PAINT OR GLIDDEN TRAFFIC MARKING PAINT SHALL BE APPLIED IN TWO COATS AND IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. ALL PARKING LOT STRIPES TO BE 4" WIDE (WHITE). ALL STRIPING ASSOCIATED WITH HANDICAP PARKING SHALL BE 4" WIDE (BLUE). ALL STRIPING ASSOCIATED WITH FIRE LANE AND LETTERING TO BE 4" WIDE (RED).
20. ALL DIMENSIONS ARE MEASURED TO THE FACE OF CURB. EDGE OF PAVEMENT OR FACE OF BUILDING UNLESS OTHERWISE INDICATED.
21. ALL ISLAND STRIPING TO BE 2" O.C. AT 45° ANGLE WITH 4" WIDE STRIPES UNLESS OTHERWISE INDICATED. COORDINATE WITH GENERAL NOTE 2.
22. ALL PROPOSED OR RELOCATED SIGNAGE SHALL BE PLACED OR REPLACED IN ACCORDANCE WITH SECTION 650+000 AND INSTALLED ON SCDOT APPROVED BREAKAWAY SIGN SUPPORTS AS DETAILED IN SECTION 654-000 IN THE SCDOT STANDARD DRAWINGS.
23. ALL SIGN REFERENCES (EX. R3-1-24) ARE REFERENCED TO THE MANUAL ON UNIFORM TRAFFIC CONTROL VERSION 2009.
24. ADJUST IRRIGATION VALVES AND IRRIGATION LINES AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION.

DEMOLITION NOTES:

1. THE CONTRACTOR SHALL FIELD VERIFY ALL ITEMS TO BE DEMOLISHED AND REMOVED FROM THE SITE. THE VERIFICATION PROCESS SHALL INCLUDE VISITING AND WALKING THE SITE. ALL ITEMS REQUIRING DEMOLITION/ REMOVAL, WHETHER SHOWN ON THIS PLAN OR NOT, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. PRIOR TO COMMENCEMENT OF TREE REMOVAL THE CONTRACTOR SHALL WALK THE SITE WITH THE OWNER AND/OR OWNER'S REPRESENTATIVE TO IDENTIFY TREES AND/OR VEGETATION TO REMAIN. PROTECTION OF IDENTIFIED TREES AND/OR VEGETATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. THERE SHALL BE NO BURNING ON SITE.
4. EXISTING IMPROVEMENTS SO NOTED, ARE TO BE REMOVED FROM THE SITE BY THE CONTRACTOR AND DISPOSED OF ACCORDING TO APPLICABLE REGULATIONS.
5. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE REMOVAL AND/OR RELOCATION OF ALL UTILITIES (ABOVE AND BELOW GROUND LEVEL) AS NECESSARY TO ACCOMMODATE THE IMPROVEMENTS SHOWN ON THESE PLANS AND AS REQUIRED TO FACILITATE CONSTRUCTION.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL SERVICES WHICH ARE INDICATED TO BE EXTENDED OR OTHERWISE REUSED.
7. ALL EXISTING CONCRETE AND/OR ASPHALT PAVEMENT THAT IS INDICATED ON THESE PLANS TO BE REMOVED FROM THE PROJECT SITE SHALL BE DISPOSED OF OFF SITE BY THE CONTRACTOR ACCORDING TO APPLICABLE CODES.
8. THE CONTRACTOR SHALL CONSULT THE OWNER REGARDING SALVAGE. ANY ITEMS NOT RETAINED BY THE OWNER SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DEMOLISH AND/OR LEGALLY DISPOSE OF.
9. EROSION AND SEDIMENT CONTROL DEVICES MUST BE IN PLACE PRIOR TO DEMOLITION.
10. IF ANY HAZARDOUS MATERIAL IS ENCOUNTERED DURING DEMOLITION, THE CONTRACTOR SHALL COORDINATE WITH THE OWNER AND APPROPRIATE AGENCIES FOR PROPER REMOVAL AND DISPOSAL.
11. DEMOLITION SHALL MEET ALL APPLICABLE STATE, LOCAL, AND FEDERAL REGULATIONS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING APPLICABLE DEMO AND DISPOSAL PERMITS.

GRADING NOTES:

1. DURING CONSTRUCTION AND UNTIL TURF IS ESTABLISHED, USE THE SILT FENCE STORM INLET SEDIMENT TRAP SHOWN ON DETAIL SHEET AROUND ALL INLETS AND PLACE AND MAINTAIN SILT FENCES AS REQUIRED TO PREVENT EROSION AND SEDIMENTATION RUNOFF.
2. CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS PRIOR TO BEGINNING WORK. CONTRACTOR SHALL VERIFY LOCATION AND AVAILABILITY OF ALL UTILITIES AFFECTING THE PROJECT ON AND OFF THE SITE.
3. THE CONSTRUCTION OF ALL STREETS & DRAINAGE FACILITIES SHALL BE GOVERNED BY RICHLAND COUNTY STANDARD SPECIFICATIONS & SCDOT STANDARD SPECIFICATIONS LATEST EDITION.
4. CONTRACTOR SHALL USE THE INLET SEDIMENT PROTECTION ON ALL INLETS UNTIL THE AREA DRAINING TO THE INLET HAS BEEN STABILIZED.
5. ALL FILL AREAS TO BE COMPACTED AS RECOMMENDED IN THE GEOTECHNICAL REPORT AND OR SPECS.
6. CONTRACTOR TO INSTALL ADDITIONAL EROSION CONTROL MEASURES AS REQUIRED BY LEXINGTON COUNTY OR SCDES.
7. PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING ALL UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY CONSTRUCTION.
8. CONTRACTOR TO REPAIR ANY DAMAGE DONE TO EXISTING PAVEMENT, FENCING, ETC. DUE TO CONSTRUCTION ENTIRELY AT THEIR EXPENSE.
9. CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO THE PAVED ROADWAY FROM CONSTRUCTION AREAS. CONTRACTOR TO DAILY REMOVE MUD/SOIL FROM PAVEMENT AS REQUIRED.
10. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVIITES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
11. ALL UNDERGROUND LOCATIONS ARE APPROXIMATE PER DRAWINGS AND LOCATIONS SUPPLIED BY VARIOUS UTILITY COMPANIES.
12. SEE SOILS REPORT FOR RECOMMENDATIONS AND CONDITIONS OF EXISTING SOILS.
13. ALL DEMOLISHED ITEMS TO BE REMOVED FROM SITE AND DISPOSED OF IN LEGAL MANNER.
14. ALL STORM WATER PONDS, OUTLET STRUCTURES, AND PIPING TO BE SURVEYED BY A REGISTERED LAND SURVEYOR AND SENT TO ENGINEER TO VERIFY DESIGN CONFORMANCE AND PREPARATION FOR FINAL PROJECT CLOSEOUT WITH LEXINGTON COUNTY AND SCDES.
15. ALL STORM WATER PIPING TO BE CAMERA INSPECTED A MIN. 30 DAYS AFTER INSTALLATION TO INSURE PROPER INSTALLATION. PROVIDE COPY OF DVD TO ENGINEER AND OWNER FOR REVIEW. REPAIR ANY PIPE NOT PROPERLY INSTALLED AT NO ADDITIONAL COST TO OWNER.
16. CONTRACTOR TO GRADE SITE BASED UPON STRAIGHT LINE GRADES BETWEEN SPOT GRADES. CONTOURS ARE AN APPROXIMATE REPRESENTATION ONLY OF STRAIGHT LINE GRADES. SPOT GRADES DICTATE.
17. WHEN PERFORMING FINAL GRADING, CONTRACTOR TO SPREAD 4" OF TOPSOIL ON ALL AREAS PRIOR TO GRASSING. CONTRACTOR TO INCLUDE TEMPORARY MEASURES TO WATER AREAS THAT HAVE BEEN GRASSED TO ESTABLISH.

DISTURBED AREA CALCS

DISTURBED AREA =	1.1 (ACRES)
TOTAL AREA =	128.29 (ACRES)

SCHOOL DISTRICT FIVE OF LEXINGTON & RICHLAND COUNTIES

CROSSROADS INTERMEDIATE CULVERT REPLACEMENT

IRMO
SOUTH CAROLINA

SOUTH CAROLINA — CERTIFICATE OF AUTHORIZATION — ADC ENGINEERING INC. No. 00253

SOUTH CAROLINA — REGISTERED PROFESSIONAL ENGINEER — No. 22779 — CLAYTON W. CRAWFORD — 01/27/2026

ADC ENGINEERING
7436 Broad River Road, SUITE 212
Irmo SC 29063
803-732-7080
ADCENGINEERING.COM

811 — CONTRACTOR SHALL CONTACT 811 (1-888-721-7877) FOR LOCATIONS OF ALL UTILITIES AT LEAST 72 HOURS PRIOR TO BEGINNING CONSTRUCTION. Know what's **below.** **Call** before you dig.

DATE:	01/27/2026
ADC PROJECT #:	25206
DESIGNED:	CWC
CHECKED:	CWC
DRAWN:	JRD
REVISION:	

GENERAL NOTES

C0.2

ISSUED FOR BIDDING



DEMOLITION NOTES:

1. SEE SHEET C001 FOR CIVIL ABBREVIATIONS AND GENERAL NOTES.
2. PROTECT ALL EXISTING UTILITIES SCHEDULED TO REMAIN.
3. PROTECT ALL EXISTING PAVEMENT SCHEDULED TO REMAIN. REPAIR ANY PAVEMENT DAMAGED BY CONSTRUCTION ACTIVITIES.
4. REMOVE ACCUMULATED SEDIMENT AND DEBRIS FROM EXISTING STORM DRAINAGE SYSTEM.

KEYNOTES:

1. EXISTING HEADWALL AND 4' PIPE SECTION TO REMAIN.
2. REMOVE EXISTING FENCE TO LIMITS SHOWN.
3. REMOVE EXISTING DUGOUT STRUCTURE COMPLETE
4. REMOVE EXISTING LIGHT POLE AND HAUL OFF SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL OF LIGHT POLES IN A LEGAL MANNER. WHERE LIGHT POLES ARE REMOVED, A NEW HANDHOLE SHALL BE INSTALLED PRIOR TO REMOVAL OF THE EXISTING POLE. SAFELY TERMINATE THE POWER LINE IN THE NEW HANDHOLE FOR FUTURE CONNECTION.
5. REMOVE AND REPLACE EXISTING STORM PIPE.
6. REMOVE AND REPLACE EXISTING STORM STRUCTURE.
7. DEMOLISH EXISTING TREE - APPROX. 30" DIAMETER.
8. REMOVE EXISTING CONCRETE HEADWALL COMPLETE.
9. CONTRACTOR TO CLEAR WOODED AREA AS REQUIRED FOR CONSTRUCTION AND REQUIRED GRADING/OUTFALL WORK. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL VEGETATION CLEARED AS REQUIRED FOR CONSTRUCTION. DISPOSE OF ALL MATERIAL OFF SCHOOL PROPERTY.
10. CONTRACTOR TO INCLUDE $7,500 ALLOWANCE FOR ELECTRICAL SERVICE REPAIRS PENDING ROUTING OF EXISTING LIGHT POLE SERVICE LINES.

EXISTING SITE/DEMOLITION LEGEND

STORM DRAIN	
FENCE	X
POWER LINE (OVERHEAD)	P
POWER LINE (UNDERGROUND)	UP
CATCH BASIN	CB
DROP INLET	DI
POWER POLE	PP
LIGHT POLE	LP
CONTOUR	325
ITEMS TO BE DEMOLISHED	
CLEAR AND GRUB WITHIN LIMITS SHOWN	
PROPERTY LINE	
LIMITS OF CONSTRUCTION/ LIMITS OF DISTURBANCE	LOD

GRID N

HORIZONTAL SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

ISSUED FOR BIDDING

SCHOOL DISTRICT FIVE OF LEXINGTON & RICHLAND COUNTIES

CROSSROADS INTERMEDIATE CULVERT REPLACEMENT

IRMO
SOUTH CAROLINA

SOUTH CAROLINA — ADC ENGINEERING INC. No. 00253 — CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA — No. 22779 — CHRISTOPHER W. CRAWFORD — REGISTERED PROFESSIONAL ENGINEER
01/27/2026

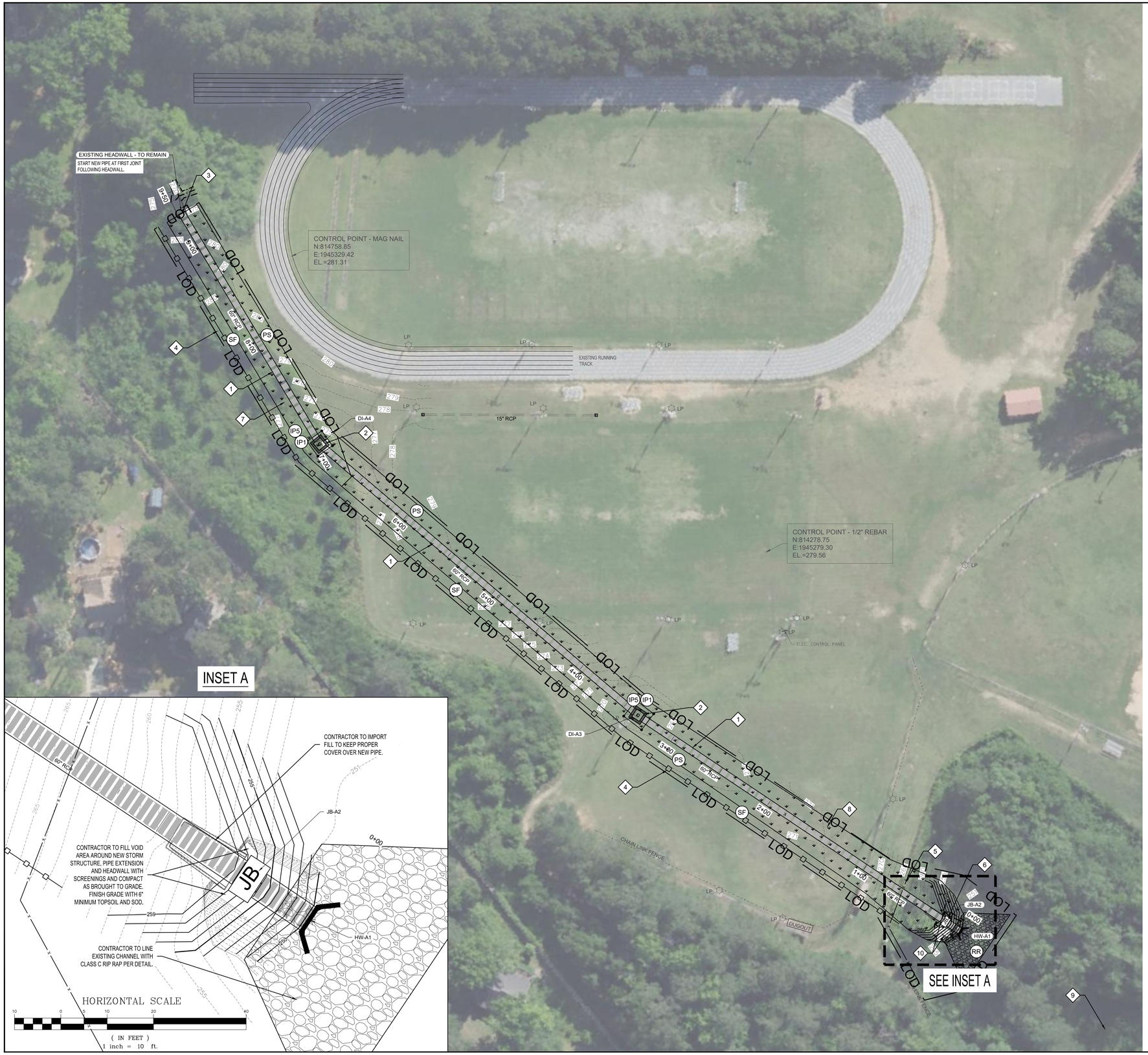
ADC ENGINEERING
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803-732-7080
ADCENGINEERING.COM

811 CONTRACTOR SHALL CONTACT 811 (1-888-721-7877) FOR LOCATIONS OF ALL UTILITIES AT LEAST 72 HOURS PRIOR TO BEGINNING CONSTRUCTION. Know what's below. Call before you dig.

DATE:	01/27/2026
ADC PROJECT #:	25206
DESIGNED:	CWC
CHECKED:	CWC
DRAWN:	JRD
REVISION:	

EXISTING CONDITIONS AND DEMOLITION PLAN

C1.0



GRADING AND DRAINAGE NOTES:

1. CLEAN OUT ALL SEDIMENT AND DEBRIS FROM ALL EXISTING AND NEW STORM DRAINAGE PIPES AND STRUCTURES.
2. STORM DRAINAGE PIPING SHALL ENTER THE SIDES OF DRAINAGE STRUCTURES. NO CORNER PENETRATIONS ARE ALLOWED.
3. PROVIDE STORM DRAINAGE AS-BUILTS IAW SCDES AND LEXINGTON COUNTY REQUIREMENTS.
4. SEE SHEET C3.1 FOR STORM DRAINAGE PROFILES.
5. ALL CONTRACTORS/SUBCONTRACTORS/PERSON THAT WILL BE ENGAGED IN LAND DISTURBING ACTIVITIES SHALL COMPLY WITH ALL EROSION CONTROL AND STORMWATER POLLUTION PREVENTION REQUIREMENTS CONTAINED THROUGHOUT THE DRAWINGS, SPECIFICATIONS AND PERMITS.
6. THE CONTRACTOR IS RESPONSIBLE FOR COMPLETING ALL BMP INSPECTIONS IAW SWPPP AND SCDES REQUIREMENTS.
7. CONTRACTOR TO PROVIDE HOSES AND TEMPORARY IRRIGATION TO WATER NEW SOD FOR THE FIRST MONTH TO ESTABLISH. COORDINATE WATER CONNECTION WITH OWNER.

KEYNOTES: ◇

1. REPLACE STORM PIPE WITH NEW 60" RCP ALONG SAME ALIGNMENT AND HOLD EXISTING UPSTREAM INVERT
2. INSTALL NEW DRAINAGE STRUCTURE. MATCH EXISTING RIM AND INVERT ELEVATIONS. INSTALL MINIMUM OF 2' WIDE STRIP OF BERMUDA GRASS SOD AROUND THE PERIMETER OF ALL NEW DRAINAGE INLETS.
3. EXISTING HEADWALL AND LAST CONNECTED PIPE LENGTH TO REMAIN. CONNECT TO EXISTING PIPE 4' FROM HEADWALL
4. INSTALL SILT FENCE IAW DETAIL
5. REPLACE CHAIN LINK FENCE AFTER PIPE INSTALLATION
6. INSTALL NEW 108"X60" RECTANGULAR STRUCTURE
7. SPREAD 2" THICK SHREDDED HARDWOOD MULCH OVER DISTURBED AREA WITHIN PREVIOUS WOODS.
8. GRADE ALL DISTURBED ARES BACK TO ORIGINAL GRADE AND SEED WITH BAHIA GRASS/BERMUDA GRASS SEED MIXTURE AND COVER WITH STRAW.
9. CONTRACTOR TO REPAIR EXISTING POND FOREBAY BERM WITH A MINIMUM OF 10 S.Y. OF SCDOT CLASS C RIP-RAP. BERM APPROXIMATLEY 200 LF DOWNSTREAM OF OUTFALL
10. FOR ENTIRE FILL SLOPE AREAS, INSTALL BERMUDA SOD AND STAKE IN PLACE TO STABILIZE.

CIVIL LEGEND - GRADING AND DRAINAGE

- JB — JUNCTION BOX - INSTALL IAW DETAIL
- X — 2'X3' DROP INLET - INSTALL IAW DETAIL
- WINGED HEADWALL - INSTALL IAW DETAIL
- STORM DRAINAGE PIPE (SEE PROFILE FOR SLOPE AND MATERIAL) - INSTALL IAW DETAIL
- 310.00 — EXISTING GRADE SPOT
- 310 — EXISTING GRADE CONTOUR
- PROPERTY LINE

CIVIL LEGEND - EROSION CONTROL

- SF — REINFORCED SILT FENCE - INSTALL IAW DETAIL.
- PS — PERMANENT SEEDING - INSTALL IAW DETAIL.
- IP1 — DOMED INLET PROTECTION - INSTALL IAW DETAIL.
- RR — RIP-RAP APRON - SCDOT CLASS C
- X — X — CHAIN LINK FENCE - 6' HIGH
- INSTALL NEW BAHIAGRASS/BERMUDAGRASS SEED MIXTURE AND COVER WITH STRAW
- LOD — LOD — LIMITS OF CONSTRUCTION/DISTURBANCE

HORIZONTAL SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

ISSUED FOR BIDDING

SCHOOL DISTRICT FIVE OF LEXINGTON & RICHLAND COUNTIES

CROSSROADS INTERMEDIATE CULVERT REPLACEMENT

IRMO SOUTH CAROLINA

SOUTH CAROLINA — ADC ENGINEERING INC No. 00253 — CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA — PROFESSIONAL ENGINEER — No. 22779 — CHRISTOPHER W. CARTER — 01/27/2026

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803-732-7080
ADCENGINEERING.COM

811 — CONTRACTOR SHALL CONTACT 811 (1-888-721-7877) FOR LOCATIONS OF ALL UTILITIES AT LEAST 72 HOURS PRIOR TO BEGINNING CONSTRUCTION. Know what's below. Call before you dig.

DATE:	01/27/2026
ADC PROJECT #:	25206
DESIGNED:	CWC
CHECKED:	CWC
DRAWN:	JRD
REVISION:	

GRADING, DRAINAGE & EROSION CONTROL PLAN

C3.0

STORM DRAINAGE PROFILE NOTES:

1. SEE SHEET C001 FOR CIVIL NOTES AND ABBREVIATIONS.

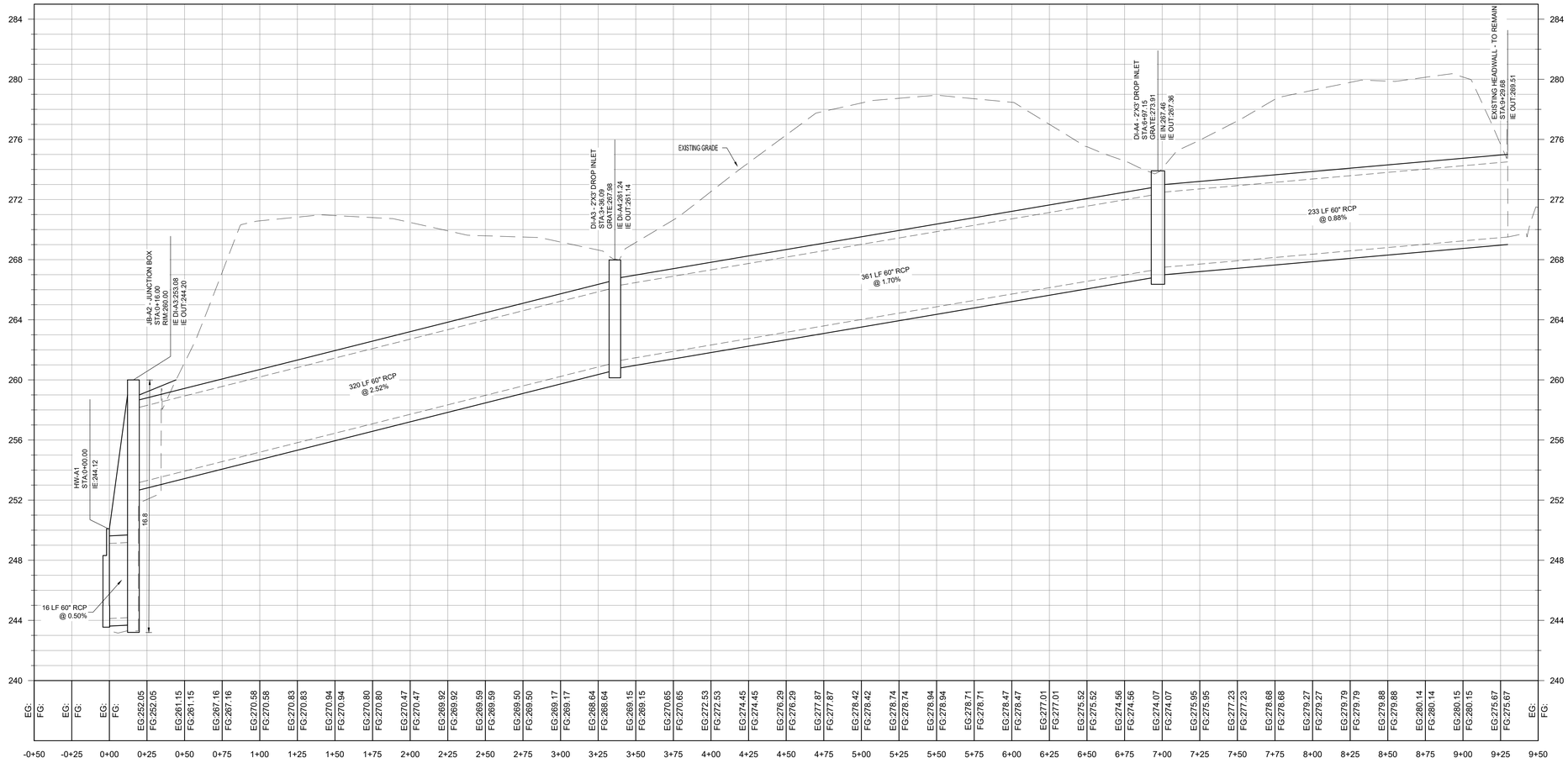
DRAINAGE PROFILE LEGEND:

EXISTING GRADE

FINISHED GRADE

10-YR HYDRAULIC GRADE LINE

ALL STORM PIPE TO BE ASTM C443
WATER TIGHT JOINT RCP



STORMDRAIN PROFILE

HORIZONTAL SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

VERTICAL SCALE

4 0 2 4 8 16

(IN FEET)
1 inch = 4 ft.

ISSUED FOR BIDDING

SCHOOL DISTRICT FIVE OF
LEXINGTON & RICHLAND COUNTIES

CROSSROADS INTERMEDIATE CULVERT REPLACEMENT

IRMO
SOUTH CAROLINA

NORTH CAROLINA / SOUTH CAROLINA
ADC ENGINEERING INC.
No. 00253
CERTIFICATE OF AUTHORIZATION

NORTH CAROLINA / SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
No. 22779
CHRISTOPHER W. CRAWFORD
01/27/2026

ADC ENGINEERING
7436 Broad River Road, SUITE 212
Irmo SC 29063
803-732-7080
ADCENGINEERING.COM

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STORM DRAINAGE PROFILE

C3.1

SCDES STANDARD NOTES:

1. IF NECESSARY, SLOPES, WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.

2. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW.
- WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
- WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.

3. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY CALENDAR WEEK. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY OR INCORRECTLY INSTALLED, THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.

4. PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL, COVER, AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE SEDIMENT BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.

5. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.

6. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY(S) FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.

7. RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C REG. 72-300 ET SEQ. AND SCR100000.

8. TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.

9. ALL WATERS OF THE STATE (WOS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50-FOOT BUFFER CAN'T BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WOS. A 10-FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WOS.

10. LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.

11. A COPY OF THE SWPPP, INSPECTIONS RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED.

12. INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND-DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.

13. MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.

14. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.

15. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMPS (SEDIMENT BASIN, FILTER BAG, ETC.).

16. THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED:
- WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL;
- WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS;
- FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE; AND
- SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.

17. AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.

18. IF EXISTING BMPS NEED TO BE MODIFIED OR IF ADDITIONAL BMPS ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPS MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.

19. A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON-SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. FOR NON-LINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE.

DEWATERING NOTES:

1. THE DESIGN, ADEQUACY AND OPERATION OF ANY AND ALL DEWATERING ACTIVITIES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

2. THE CONTRACTOR SHALL PROTECT ALL ADJACENT PROPERTIES, RIGHT OF WAYS, NATURAL AREAS, AND EXISTING UTILITY SYSTEMS FROM EROSION AND SEDIMENTATION ASSOCIATED WITH DEWATERING ACTIVITIES.

3. DEWATERING OF PONDS OR LARGE PONDING AREAS SHALL ALWAYS UTILIZE A FLOATING INTAKE.

4. DEWATERING DISCHARGES SHALL ALWAYS BE DIRECTED THROUGH SUITABLE BEST MANAGEMENT PRACTICE (BMP) SUCH AS TEMPORARY SEDIMENT POND/TRAP OR SEDIMENT TRAPPING DEWATERING BAG.

5. ALL DEWATERING ACTIVITIES SHOULD BE IN ACCORDANCE WITH THE SCDES CGP.

SANITATION FACILITIES:

1. ALL PERSONNEL INVOLVED WITH CONSTRUCTION ACTIVITIES MUST COMPLY WITH STATE AND LOCAL SANITARY OR SEPTIC SYSTEM REGULATIONS. PORTABLE TOILETS MUST BE LOCATED AT LEAST 30 FEET FROM INLETS, CHANNELS, SWALES, OR PERMITTED LIMITS OF DISTURBANCE, AND MUST BE LOCATED AT LEAST 50 FEET FROM WATERS OF THE STATE, OR WATERS OF THE U.S..

2. PORTABLE TOILETS MUST BE SECURELY ANCHORED AND/OR TIED DOWN. SECONDARY CONTAINMENT SHALL BE PROVIDED AND FULL CAPACITY SHALL BE RESTORED IMMEDIATELY UPON DISCOVERY OF ITS DIMINISHMENT. THE LOCATION OF SANITARY FACILITIES SHALL BE NOTED ON THE PLANS.

TEMPORARY PARKING:

1. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AREA AS CONDITIONS DEMAND.

MATERIAL STORAGE AND LAYDOWN AREA:

1. MATERIAL STORAGE AREAS SHOULD BE LOCATED, WHEN POSSIBLE, TO MINIMIZE EXPOSURE TO WEATHER. INSPECTIONS SHALL EVALUATE DISTURBED AREAS AND AREAS USED FOR STORING MATERIALS THAT ARE EXPOSED TO RAINFALL FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM OR DISCHARGING FROM THE SITE. IF NECESSARY, THE MATERIALS MUST BE COVERED OR ORIGINAL COVERS MUST BE REPAIRED OR SUPPLEMENTED. ALSO, PROTECTIVE BERMS MUST BE CONSTRUCTED, IF NEEDED TO CONTAIN RUNOFF FROM MATERIAL STORAGE AREAS. GC SHALL ADHERE TO ALL STATE AND LOCAL REGULATIONS PERTAINING TO MATERIAL STORAGE AREAS.

2. CHEMICALS, PAINTS, SOLVENTS, FERTILIZERS, AND OTHER TOXIC MATERIALS MUST BE STORED IN WATERPROOF CONTAINERS. EXCEPT DURING APPLICATION, THE CONTAINERS AND THE CONTENTS MUST BE KEPT IN TRUCKS OR INSIDE OF STORAGE FACILITIES. RUNOFF CONTAINING SUCH MATERIAL MUST BE COLLECTED, REMOVED FROM THE SITE, TREATED, AND DISPOSED OF AT AN APPROVED SOLID WASTE AND CHEMICAL DISPOSAL FACILITY.

EQUIPMENT MAINTENANCE AND CLEANING AREAS:

1. THE GC SHALL DESIGNATE AREAS ON THE PLANS FOR EQUIPMENT CLEANING, MAINTENANCE, AND REPAIR. THE GC AND SUBCONTRACTORS SHALL UTILIZE SUCH DESIGNATED AREAS. CLEANING, MAINTENANCE, AND REPAIR AREAS SHALL BE PROTECTED BY A TEMPORARY PERIMETER BERM, SHALL NOT OCCUR WITHIN 150 FEET OF ANY WATERWAY, WATER BODY, OR WETLAND, AND SHALL OCCUR IN AREAS LOCATED AS FAR AS PRACTICAL FROM STORM SEWER INLETS. DRIP PANS SHALL BE USED FOR VEHICLE MAINTENANCE ACTIVITIES AND RESULTANT WASTES SHALL BE DISPOSED OF IN ACCORDANCE WITH SCDHEC REGULATIONS.

2. USE OF DETERGENTS FOR LARGE SCALE WASHING IS PROHIBITED (FOR EXAMPLE, WASHING VEHICLES, BUILDINGS, PAVEMENT SRURFACES, ETC.). ALL WASH WATER SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.

SOLID WASTE DISPOSAL:

1. SUBSTANCES THAT HAVE THE POTENTIAL FOR POLLUTING SURFACE AND/OR GROUNDWATER MUST BE CONTROLLED BY ANY MEANS NECESSARY TO ENSURE THAT THOSE DO NOT DISCHARGE FROM THE SITE. IN THIS REGARD, POTENTIALLY POLLUTING SUBSTANCES SHALL BE STORED AND HANDLED IN A MANNER CONSISTENT WITH THE RISK OF IMPACT THOSE REPRESENT, AND ACCORDING WITH THE REGULATIONS.

2. NO SOLID MATERIALS, INCLUDING BUILDING MATERIALS, ARE ALLOWED TO BE DISCHARGED FROM THE SITE WITH STORMWATER. ALL SOLID WASTE, INCLUDING DISPOSABLE MATERIALS INCIDENTAL TO THE CONSTRUCTION ACTIVITIES MUST BE COLLECTED AND PLACED IN CONTAINERS. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORMWATER DISCHARGE INTO DRAINAGE DITCHES OR WATER OF THE STATE. THE CONTAINERS SHALL BE HAULED AWAY FROM THE SITE AND EMPTIED WHEN THOSE BECOME 95% FULL, OR AS NECESSARY, BY A CERTIFIED TRASH DISPOSAL SERVICE. LIDS OR COVERS FOR THE CONTAINERS SHALL BE PROVIDED FOR USE DURING RAIN EVENTS TO PREVENT WASTE CONTACT WITH STORMWATER. WASTES THAT CANNOT BE STORED IN A CONTAINER MUST BE STORED UNDER COVER OR INDOORS. THE LOCATION OF SOLID WASTE RECEPTACLES SHALL BE NOTED ON THE PLANS.

FUEL STORAGE AREAS:

1. THE GC SHALL IDENTIFY FUELING AREAS WITH LEGIBLE SIGNAGE ON THE SITE. TEMPORARY ON-SITE FUEL TANKS FOR CONSTRUCTION VEHICLES SHALL MEET ALL LOCAL, STATE, AND FEDERAL REGULATIONS. ALL TANKS, SINGLE AND DOUBLE WALLED, SHALL BE PROVIDED WITH SECONDARY CONTAINMENT (THAT IS CONTAINMENT EXTERNAL TO AND SEPARATE FROM PRIMARY CONTAINMENT). TANKS SHALL HAVE APPROVED SPILL CONTAINMENT WITH THE CAPACITY REQUIRED BY THE APPLICABLE REGULATIONS. SECONDARY CONTAINMENT SHALL BE CONSTRUCTED OF MATERIALS OF SUFFICIENT THICKNESS, DENSITY, AND COMPOSITION SO AS NOT TO BE STRUCTURALLY WEAKENED AS A RESULT OF CONTACT WITH THE FUEL STORED AND CAPABLE OF CONTAINING DISCHARGED FUEL FOR A PERIOD OF TIME EQUAL TO OR LONGER THAN THE MAXIMUM ANTICIPATED TIME SUFFICIENT TO ALL RECOVER AND DISCHARGED FUEL. IT SHALL BE CAPABLE OF CONTAINING 110% OF THE VOLUME OF THE PRIMARY TANK IF A SINGLE TANK IS USED, OR IN THE CASE OF MULTIPLE TANKS, 150% OF THE LARGEST TANK OR 110% OF THE AGGREGATE, WHICH EVER IS LARGER.

2. THE TANKS SHALL BE IN SOUND CONDITION, FREE OF RUST OF OTHER DAMAGE WHICH MIGHT COMPROMISE CONTAINMENT. FUEL STORAGE AREAS SHALL MEET ALL EPA, OSHA, AND OTHER REGULATORY REQUIREMENTS FOR SIGNAGE, FIRE EXTINGUISHERS, ETC. HOSES, VALVES, FITTINGS, CAPS, FILLER NOZZLES, AND ASSOCIATED HARDWARE SHALL BE MAINTAINED IN PROPER WORKING CONDITION AT ALL TIMES. TANKS SHALL BE LOCATED TO MINIMIZE EXPOSURE TO WEATHER AND SURFACE WATER DRAINAGE FEATURES. THE LOCATION OF FUEL TANKS SHALL BE NOTED ON THE PLANS.

3. A SPILL PREVENTION, CONTROL AND COUNTERMEASURE (SPCC) PLAN MUST BE DEVELOPED IF ABOVEGROUND OIL STORAGE CAPACITY AT THE CONSTRUCTION SITE EXCEEDS 1,320 GALLONS OR SPECIFIED BY THE STATE.

4. CONTAINERS WITH STORAGE CAPACITY OF 55-GALLONS OR LESS ARE NOT INCLUDED WHEN CALCULATING SITE STORAGE CAPACITY. THE GC SHALL WORK WITH THE ENGINEER TO DEVELOP AND IMPLEMENT A SPCC PLAN IN ACCORDANCE WITH THE OIL POLLUTION PREVENTION REGULATION AT TITLE 40 OF THE CODE OF FEDERAL REGULATIONS, PART 112, (40 CFR 112).

STOCKPILES:

1. ALL ON-SITE TOPSOIL MUST BE PRESERVED FOR REUSE ON THE SITE DURING REVEGETATION, UNLESS IT IS INFEASIBLE OR UNREASONABLE TO DO SO. (NOTE: TOPSOIL STOCKPILING ON-SITE MAY BE INFEASIBLE IF SPACE IS NOT AVAILABLE ON-SITE FOR TOPSOIL STOCKPILING OR IF LITTLE TO NO VEGETATION IS TO REMAIN UNDER POST-CONSTRUCTION CONDITIONS. STOCKPILING OF TOPSOIL AT AN OFF-SITE LOCATION OR TRANSFER OF TOPSOIL TO OTHER LOCATIONS MAY ALSO BE ACCEPTABLE BUT MUST BE AUTHORIZED BY ENGINEER). CONTRACTOR IS RESPONSIBLE FOR ANY NECESSARY OFF-SITE PERMITTING, INCLUDING LAND DISTURBANCE.

2. ALL SOIL STOCKPILES MUST BE STABILIZED TO PREVENT EROSION AND FUGITIVE DUST. THE SURFACE OF THE STOCKPILE MUST BE PROPERLY PROTECTED TO ELIMINATE THE RISK OF EROSION. SEE TEMPORARY SEEDING OR STABILIZATION DETAIL. SUITABLE ALTERNATIVE MEANS OF STABILIZATION CAN BE USED, SUCH AS PROPERLY ANCHORED PLASTIC TARPS.

3. PERIMETER SEDIMENT CONTROLS ALSO MUST BE INSTALLED AT STOCKPILE LOCATIONS TO PREVENT CONTACT WITH STORMWATER, INCLUDING RUN-ON.

4. STOCKPILES MUST BE LOCATED OUTSIDE OF ANY VEGETATED BUFFER AREAS AND SHOULD BE LOCATED AS FAR AS PRACTICABLE FROM STORMWATER CONVEYANCES, IMPOUNDMENTS AND WATER BODIES.

5. STOCKPILE LOCATIONS SHALL BE NOTED ON THE PLANS.

STABILIZATION OF DISTURBED AREAS:

1. STABILIZE DISTURBED AREAS AS SHOWN ON THE EROSION CONTROL PLANS, LANDSCAPE PLANS AND IAW THE CGP.

2. SEDIMENT BASINS AND CONVEYANCE SYSTEMS (DIVERSION DITCHES, BERMS, ETC.) SHALL BE STABILIZED WITHIN 7 DAYS OF INSTALLATION.

3. CONTRACTOR SHALL STABILIZE DISTURBED AREAS AS THEY COME TO FINAL GRADE.

4. FILL SLOPES WILL REQUIRE EXTRA ATTENTION TO AVOID/CONTROL POTENTIAL EROSION. CONTRACTOR SHALL TEMPORARILY AND PERMANENTLY STABILIZE FILL SLOPES AS SOON AS POSSIBLE.

DUST CONTROL:

1. LARGE AREAS OF SOIL THAT ARE DENUDED OF VEGETATION AND HAVE NO PROTECTION FROM PARTICLES BEING PICKED UP AND CARRIED BY WIND SHOULD BE PROTECTED WITH A TEMPORARY COVER OR KEPT UNDER CONTROL WITH WATER OR OTHER SOIL ADHERING PRODUCTS TO PREVENT SOIL PARTICLES FROM BECOMING AIRBORNE, AND FROM EXITING THE SITE PERIMETER.

2. WATER TRUCKS OR OTHER DUST CONTROL AGENTS SHALL BE USED AS NEEDED DURING CONSTRUCTION TO MINIMIZE DUST GENERATED ON THE SITE. TACKIFIERS MAY BE USED TO HOLD SOIL IN PLACE AND PREVENT DUST. MANUFACTURER RECOMMENDATIONS FOR APPLICATION LOCATIONS AND RATES MUST BE USED FOR DUST CONTROL APPLICATIONS. ONLY SWPPP-SPECIFIED TACKIFIERS MAY BE USED ON THE PROJECT SITE; ANY CHEMICAL APPLICATION NOT INCLUDED IN THE SWPPP MUST BE APPROVED, IN WRITING, BY THE ENGINEER.

3. DUST CONTROL MUST BE PROVIDED BY THE GC TO A DEGREE THAT IS IN COMPLIANCE WITH APPLICABLE FEDERAL, LOCAL AND STATE DUST CONTROL REGULATIONS.

4. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.

5. IN ADDITION TO BMPS, GC SHALL PERFORM PER PRACTICES AND PROCEDURES WHICH MINIMIZE AND PREVENT AIRBORNE DUST OR OTHER PARTICLES FROM OCCURING.

SEEDING/VEGETATION REQUIREMENTS:

1. CONSIDERATION MUST BE GIVEN TO ANTICIPATED CLIMATE AND SEASONAL CONDITIONS WHEN PLANTING SEED.
2. SEED SHALL BE FREE OF WEEDY SPECIES AND APPROPRIATE FOR SITE SOILS AND REGIONAL CLIMATE. SEED AND MULCH PER THE CONSTRUCTION DRAWINGS AND THE PROJECT SPECIFICATIONS IMMEDIATELY AFTER TOPSOIL IS APPLIED AND FINAL GRADE IS REACHED.
3. THE SITE HAS ACHIEVED FINAL STABILIZATION ONCE ALL AREAS ARE COVERED WITH BUILDING FOUNDATION OR PAVEMENT, OTHER LANDSCAPING COVER (STONE, MULCH, ETC.), OR HAVE A STAND OF GRASS WITH A MINIMUM OF 70 PERCENT DENSITY OVER THE ENTIRE VEGETATED AREA, OR GREATER IN ACCORDANCE WITH THE GENERAL PERMIT REQUIREMENTS.
4. VEGETATED AREAS MUST BE WATERED, FERTILIZED, AND RESEEDED AS NEEDED TO ACHIEVE THIS REQUIREMENT.
5. THE VEGETATION DENSITY MUST BE MAINTAINED THROUGH THE PROJECT COMPLETION TO BE CONSIDERED STABILIZED. AREAS PROTECTED BY EROSION CONTROL BLANKETS ARE NOT PERMANENTLY STABILIZED UNTIL THE APPLICABLE GENERAL PERMIT REQUIREMENT FOR FINAL VEGETATIVE DENSITY IS ACHIEVED.
6. RIP-RAP, MULCH, GRAVEL, DECOMPOSED GRANITE OR OTHER EQUIVALENT PERMANENT STABILIZATION MEASURES MAY BE EMPLOYED IN LIEU OF VEGETATION BASED ON SITE-SPECIFIC CONDITIONS, DESIGN AND GOVERNING AUTHORITY APPROVAL.
7. ALL SEEDED AREAS SHALL BE INSPECTED REGULARLY TO CONFIRM THAT A HEALTHY STAND OF GRASS IS MAINTAINED.

HAZARDOUS MATERIAL MANAGEMENT AND SPILL REPORTING:

ANY HAZARDOUS OR POTENTIALLY HAZARDOUS MATERIAL THAT IS BROUGHT ONTO THE CONSTRUCTION SITE SHALL BE HANDLED PROPERLY TO REDUCE THE POTENTIAL FOR STORMWATER POLLUTION. ALL MATERIALS USED ON THIS CONSTRUCTION SITE SHALL BE PROPERLY STORED, HANDLED, DISPENSED AND DISPOSED OF FOLLOWING ALL APPLICABLE LABEL DIRECTIONS. FLAMMABLE AND COMBUSTIBLE LIQUIDS SHALL BE STORED AND HANDLED ACCORDING TO APPLICABLE REGULATIONS, AND, AT A MINIMUM, ACCORDING TO 29 CFR 1926.152. ONLY APPROVED CONTAINERS AND PORTABLE TANKS SHALL BE USED FOR STORAGE AND HANDLING OF FLAMMABLE AND COMBUSTIBLE LIQUIDS.

MATERIAL SAFETY DATA SHEETS (MSDS) INFORMATION SHALL BE KEPT ON SITE FOR ANY AND ALL APPLICABLE MATERIALS. HOWEVER, MSDS MAY ALSO BE ACCESSED VIA TELEPHONE OR OTHER ELECTRONIC MEANS OR APPARATUS.

IN THE EVENT OF AN ACCIDENTAL SPILL, IMMEDIATE ACTION SHALL BE TAKEN BY THE GC TO CONTAIN AND REMOVE THE SPILLED MATERIAL. THE SPILL SHALL BE REPORTED TO THE APPROPRIATE AGENCIES IN THE REQUIRED TIME FRAMES. AS REQUIRED UNDER THE PROVISIONS OF THE CLEAN WATER ACT, ANY SPILL OR DISCHARGE ENTERING WATERS OF THE UNITED STATES SHALL BE PROPERLY REPORTED.

ALL HAZARDOUS MATERIALS, INCLUDING CONTAMINATED SOIL AND LIQUID CONCRETE WASTE, SHALL BE DISPOSED OF BY THE CONTRACTOR IN THE MANNER SPECIFIED BY FEDERAL, STATE AND LOCAL REGULATIONS AND BY THE MANUFACTURER OF SUCH PRODUCTS.

THE GC SHALL PREPARE A WRITTEN RECORD OF ANY SPILL AND ASSOCIATED CLEAN-UP ACTIVITIES OF PETROLEUM PRODUCTS OR HAZARDOUS MATERIALS IN EXCESS OF 1 GALLON OR REPORTABLE QUANTITIES, WHICHEVER IS LESS, ON THE DAY OF THE SPILL. THE GC SHALL PROVIDE NOTICE TO OWNER, VIA THE ONLINE CRITICAL INCIDENT REPORT, IMMEDIATELY UPON IDENTIFICATION OF ANY SPILL. SPILL REPORT FORMS ARE AVAILABLE IN THE ONLINE SWPPP REPORTING SYSTEM PROVIDED BY THE OWNER. COPIES OF SPILL CRITICAL INCIDENT REPORTS SHALL BE PRINTED AND MAINTAINED IN THE JOBSITE BINDER.

ANY SPILLS OF PETROLEUM PRODUCTS OR HAZARDOUS MATERIALS IN EXCESS OF REPORTABLE QUANTITIES AS DEFINED BY EPA OR THE STATE OR LOCAL AGENCY REGULATIONS, SHALL BE IMMEDIATELY REPORTED TO THE EPA NATIONAL RESPONSE CENTER (1-800-424-8802) AND SCDES' EMERGENCY RESPONSE SECTION (1-888-481-0125).

THE STATE REPORTABLE QUANTITY FOR PETROLEUM PRODUCTS IS: 25 GALLONS

THE REPORTABLE QUANTITY FOR HAZARDOUS MATERIALS CAN BE FOUND IN 40 CFR 302 , 40 CFR 110, AND 40 CFR 117 (WWW.ECFR.GOV) AND SOUTH CAROLINA CODE OF REGULATIONS 61-79 (WWW.SCSTATEHOUSE.GOV/CODEREGS/CHAPTER61.PHP).

TO MINIMIZE THE POTENTIAL FOR A SPILL OF PETROLEUM PRODUCT OR HAZARDOUS MATERIALS TO COME IN CONTACT WITH STORMWATER, THE FOLLOWING STEPS SHALL BE IMPLEMENTED:

1) ALL MATERIALS WITH HAZARDOUS PROPERTIES, SUCH AS PESTICIDES, PETROLEUM PRODUCTS, FERTILIZERS, SOAPS, DETERGENTS, CONSTRUCTION CHEMICALS, ACIDS, BASES, PAINTS, PAINT SOLVENTS, ADDITIVES FOR SOIL STABILIZATION, CONCRETE, CURING COMPOUNDS AND ADDITIVES, ETC., SHALL BE STORED IN A SECURE LOCATION, UNDER COVER AND IN APPROPRIATE, TIGHTLY SEALED CONTAINERS WHEN NOT IN USE.

2) THE MINIMUM PRACTICAL QUANTITY OF ALL SUCH MATERIALS SHALL BE KEPT ON THE JOB SITE AND SCHEDULED FOR DELIVERY AS CLOSE TO TIME OF USE AS PRACTICAL.

3) A SPILL CONTROL AND CONTAINMENT KIT (CONTAINING FOR EXAMPLE, ABSORBENT MATERIAL SUCH AS KITTY LITTER OR SAWDUST, ACID, BASE, NEUTRALIZING AGENT, BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, PLASTIC AND METAL TRASH CONTAINERS, ETC.) SHALL BE PROVIDED AT THE CONSTRUCTION SITE AND ITS LOCATION(S) SHALL BE IDENTIFIED WITH LEGIBLE SIGNAGE AND SHOWN ON SITE MAPS.
   a. THE SPILL CONTROL AND CONTAINMENT KIT SUPPLIES SHALL BE OF SUFFICIENT QUANTITIES AND APPROPRIATE CONTENT TO CONTAIN A SPILL FROM THE LARGEST ANTICIPATED PIECE OF EQUIPMENT AND FROM THE LARGEST ANTICIPATED QUANTITIES OF PRODUCTS STORED ON THE SITE AT ANY GIVEN TIME.
   b. CONTENTS SHALL BE INSPECTED DAILY DURING THE DAILY STORMWATER INSPECTION.

4) ALL PRODUCTS SHALL BE STORED IN AND USED FROM THE ORIGINAL CONTAINER WITH THE ORIGINAL PRODUCT LABEL. CONTAINERS MUST BE STORED IN A MANNER TO PROTECT THEM FROM THE ELEMENTS AND INCIDENTAL DAMAGE.

5) ALL PRODUCTS SHALL BE USED IN STRICT COMPLIANCE WITH INSTRUCTIONS ON THE PRODUCT LABEL.

6) THE DISPOSAL OF EXCESS OR USED PRODUCTS SHALL BE IN STRICT COMPLIANCE WITH INSTRUCTIONS ON THE PRODUCT LABEL AND REGULATIONS.

GENERAL SWPPP NOTES:

1. ALL CONTRACTORS/SUBCONTRACTORS/PERSONS THAT WILL BE ENGAGED IS LAND DISTURBING ACTIVITIES SHALL COMPLY WITH ALL EROSION CONTROL AND STORMWATER POLLUTION PREVENTION REQUIREMENTS CONTAINED THROUGHOUT THE DRAWINGS, SWPPP, SPECIFICATIONS AND PERMITS.
2. THE CONTRACTOR SHALL PLACE 4" OF TOPSOIL IN ALL DISTURBED AREAS NOT TO BE PAVED. THE CONTRACTOR SHALL ALSO PROVIDE TEMPORARY SEEDING AND PERMANENT STABILIZATION IN ALL AREAS INSIDE OR OUTSIDE THE LIMITS OF CONSTRUCTION THAT ARE DISTURBED BY THE CONTRACTOR'S OPERATIONS.
3. IT IS THE CONTRACTORS RESPONSIBILITY FOR DESIGN, ADEQUACY AND IMPLEMENTATION OF ALL DEWATERING. ALL DEWATERING ACTIVITIES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STORMWATER POLLUTION PREVENTION PLAN.

CERTIFICATION STATEMENT:

I HAVE PLACED MY SIGNATURE AND SEAL ON THE DESIGN DOCUMENTS SUBMITTED SIGNIFYING THAT I ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE SYSTEM. FURTHER, I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE DESIGN IS CONSISTENT WITH THE REQUIREMENTS OF *TITLE 48, CHAPTER 14 OF THE CODE OF LAWS OF SC, 1976* AS AMENDED, PURSUANT TO *REGULATION 72-300* ET SEQ. (IF APPLICABLE), AND IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF *SCR100000.*

SCHOOL DISTRICT FIVE OF LEXINGTON & RICHLAND COUNTIES

CROSSROADS INTERMEDIATE CULVERT REPLACEMENT

IRMO SOUTH CAROLINA

SOUTH CAROLINA — ADC ENGINEERING INC. No. 00253 — CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA — No. 22779 — REGISTERED PROFESSIONAL ENGINEER — CHRISTOPHER W. CRAIG — 01/27/2026

ADC ENGINEERING
7436 Broad River Road, SUITE 212
Irmo SC 29063
803-732-7080
ADCENGINEERING.COM

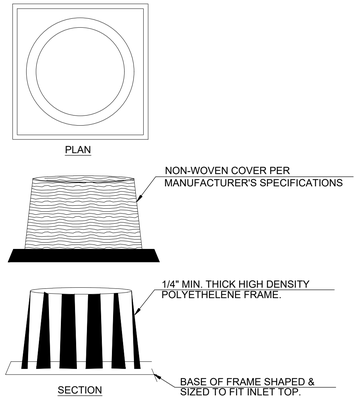
811 — CONTRACTOR SHALL CONTACT 811 (1-888-721-7877) FOR LOCATIONS OF ALL UTILITIES AT LEAST 72 HOURS PRIOR TO BEGINNING CONSTRUCTION. Know what's below. Call before you dig.

DATE:	01/27/2026
ADC PROJECT #:	25206
DESIGNED:	CWC
CHECKED:	CWC
DRAWN:	JRD
REVISION:	

EROSION CONTROL NOTES

C6.0

ISSUED FOR BIDDING



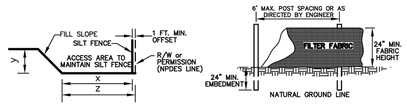
TYPICAL CONSTRUCTION SEQUENCE FOR DOME FRAME & COVER:

1. EXCAVATE APPROXIMATELY 4" TO 6" BELOW THE TOP OF THE INLET STRUCTURE.
2. PLACE THE FRAME ONTO THE INLET STRUCTURE, ENSURING PROPER SEATING OF FRAME TO STRUCTURE.
3. SLIDE THE COVER OVER THE FRAME.
4. FILL THE COVER POCKETS WITH SOIL, #57 STONE AGGREGATE OR APPROVED EQUAL. THE COVER POCKETS SHALL BE COMPLETELY FILLED TO ENSURE A GOOD SEAL BETWEEN THE GROUND AND INLET STRUCTURE.
5. BACKFILL AROUND THE FRAME AND COVER ASSEMBLY IS NOT REQUIRED TO COMPLETE INSTALLATION; HOWEVER, BACKFILLING MAY BE NECESSARY TO COMPLETE EXCAVATION REQUIREMENTS FOR THE SITE.

INSPECTION & MAINTENANCE:

1. INSPECT MEASURES EVERY ONCE EVERY CALENDAR WEEK AND WITHIN 24 HOURS OF A RAIN EVENT THAT PRODUCES 1/2-INCH OR MORE OF PRECIPITATION FOR SEDIMENT AND DEBRIS ACCUMULATION AND DAMAGE.
2. REMOVE SEDIMENT WHEN IT REACHES 1/3 HEIGHT OF DOMED OUTLET.
3. REPLACE DOME AND/OR COVER WHENEVER DAMAGED.

IP1 A DOMED INLET PROTECTION
NOT TO SCALE

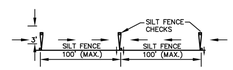


NOTES:

1. SILT FENCE CHECKS MUST BE LOCATED EVERY 100 FT. MAXIMUM AND AT LOW POINTS. FILTER FABRICS SHALL CONFORM TO SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (LATEST EDITION).
2. STEEL POST MAY BE USED. POSTS SHALL BE A MINIMUM OF 5 FEET LONG AND INSTALLED TO A MINIMUM DEPTH OF 24 INCHES WITH NO MORE THAN 3 FEET OF THE POST ABOVE GROUND. AT LEAST 1 TO 2 INCHES OF THE POSTS SHALL EXTEND ABOVE THE TOP OF THE FABRIC. POST SPACING WILL BE A MAXIMUM OF 6 FEET ON CENTER WHICH DOES NOT REQUIRE WIRE BACKING UNLESS DIRECTED BY ENGINEER.
3. STEEL POSTS SHALL BE 5 FEET AND WEIGH A MINIMUM OF 1.25 POUNDS PER FOOT AND HAVE PROJECTIONS FOR FASTENING THE FABRIC TO THE POST. STEEL POSTS SHALL ALSO HAVE A SOIL PLATE WELDED NEAR THE BOTTOM OF THE POST.
4. SILT SHALL BE REMOVED AND DISPOSED OF WHEN SILT ACCUMULATES TO 1/3 THE HEIGHT OF THE FENCE. MAINTENANCE OF SILT FENCE WILL BE MEASURED AND PAID FOR BY THE ITEM OF SILT BASIN.
5. THE PAY ITEMS SHALL BE: SILT FENCE_____L.F.
   SILT BASIN_____C.Y.

HEIGHT OF FILL (y) IN FEET	FILL SLOPE	MINIMUM SILT FENCE OFFSET FROM TOE OF SLOPE (x) IN FEET	MINIMUM RIGHT OF WAY OFFSET FROM TOE OF SLOPE (NPDES LINE) (z) IN FEET	CHECK LENGTH IN FEET**
<5	2:1	2	3	2
	4:1			
	6:1			
6–10	2:1	12*	13*	5
	4:1	3	4	3
	6:1			
>10	2:1	12*	13*	5
	4:1	4	5	4
	6:1			

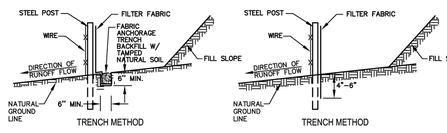
* THESE MINIMUM OFFSETS MAY BE REDUCED WHEN CURB AND GUTTER OR SOME OTHER FEATURE REDUCES THE FLOW OF WATER DOWN THE SLOPE. THE SMALL OFFSETS OF EACH GROUP OF HEIGHT OF FILL CANNOT BE REDUCED.
** SILT FENCE CHECKS WILL HAVE A MAXIMUM LENGTH OF FIVE (5) FEET OR UNTIL THEY TIE BACK INTO THE SLOPE.



SILT FENCE CHECKS

NOTES:

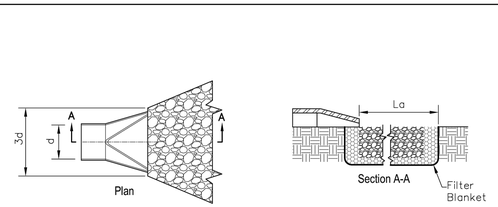
1. TYPICAL SILT FENCE APPLICATIONS REQUIRE 24 INCHES OF THE FABRIC TO BE ABOVE GROUND WHEN NEEDED. THE HEIGHT OF SILT FENCE FABRIC ABOVE THE GROUND MAY BE GREATER THAN 24". SEE PLANS FOR APPLICATION OF HIGHER SILT FENCE, PAY ITEMS AND INSTALLATION METHODS.
2. IN TIDAL AREAS, SILT FENCE EXTRA HEIGHT MAY BE REQUIRED.THE LENGTH OF POST WILL BE TWICE THE EXPOSED POST HEIGHT. POST SPACING AND BURIED DEPTHS WILL REMAIN AS SHOWN HEREON. EXTRA HEIGHT FABRIC WILL BE 4, 5 OR 6 FEET TOTAL WIDTH.



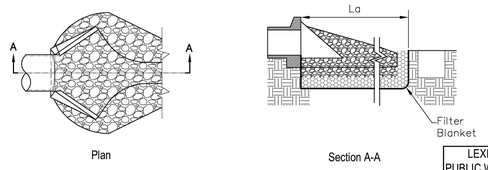
NOTE:
THE FABRIC SHALL BE BURIED REGARDLESS, IF PLACED PNEUMATICALLY OR BY HAND WITH A TRENCHER. BOTH METHODS SHOWN HERE ON.

LEXINGTON COUNTY PUBLIC WORKS DEPARTMENT	
TEMPORARY SILT FENCE	
DRAWING NO: C-11	
DATE: October, 2007	

SF B SILT FENCE



Pipe Outlet to Flat Area - No Well-Defined Channel



Pipe Outlet to Well-Defined Channel

NOTES:

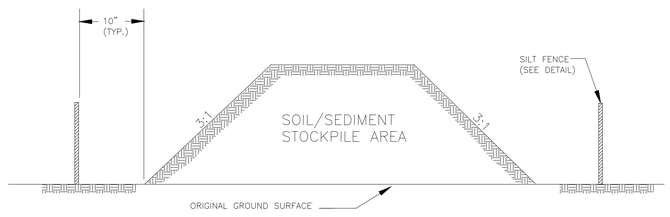
1. La IS THE LENGTH OF THE RIPRAP APRON.
2. d = 1.5 TIMES THE MAXIUM STONE DIAMETER BUT NOT LESS THAN 6".
3. IN A WELL-DEFINED CHANNEL EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK, WHICHEVER IS LESS.
4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND SOIL FOUNDATION.

LEXINGTON COUNTY PUBLIC WORKS DEPARTMENT	
RIPRAP APRON	
DRAWING NO: C-6	
DATE: October, 2007	

C RIP-RAP APRON DETAIL
NOT TO SCALE

Headwall Name:	25-yr storm event discharge (cfs)	Pipe Size (in)	Minimum Length of Apron (ft)	Rip-Rap Size	Upstream Protection Width (ft)	Downstream Protection Width (ft)
HW-A1	212.24	60	34	SCDOT Class C	15.0	36

TEMPORARY STOCKPILE AREA



NOTES:

1. SILT FENCE TO EXTEND AROUND ENTIRE PERIMETER OF STOCKPILE, OR IF STOCKPILE AREA IS LOCATED ON/NEAR A SLOP THE SILT FENCE IS TO EXTEND ALONG CONTOURS OF THE DOWN-GRADIENT AREA.
2. IF STOCKPILE IS TO REMAIN FOR MORE THAN 14 DAYS, TEMPORARY STABILIZATION MEASURES MUST BE IMPLEMENTED.
3. SILT FENCE SHALL BE MAINTAINED UNTIL STOCKPILE AREA HAS EITHER BEEN REMOVED OR PERMANENTLY STABILIZED.
4. THE KEY TO FUNCTIONAL TEMPORARY STOCKPILE AREAS IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR SEDIMENT REMOVAL.

South Carolina Department of Health and Environmental Control	
TEMPORARY STOCKPILE	
STANDARD DRAWING NO. SC-15	PAGE 1 of 1
NOT TO SCALE	FEBRUARY 2014 DATE

D TEMPORARY STOCKPILE

NOTES:

1. THE GC IS REQUIRED TO, AT A MINIMUM, INITIATE SOIL STABILIZATION MEASURES IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING OR OTHER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE SITE, OR TEMPORARILY CEASED ON ANY PORTION OF THE SITE AND WILL NOT LIKELY RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. DIVERSION CHANNELS/DITCHES SHALL BE STABILIZED WITHIN 7 DAYS OF INSTALLATION.
2. THE GC HAS 7 DAYS FROM INITIATION OF STABILIZATION TO COMPLETE SOIL PREPARATION, SEEDING, MULCHING, AND ANY OTHER REQUIRED ACTIVITIES RELATED TO THE PLANTING AND ESTABLISHMENT OF VEGETATION. THE GC ALSO HAS 7 DAYS FROM INITIATION OF STABILIZATION TO COMPLETELY INSTALL NON-VEGETATED MEASURES, IF UTILIZED.
3. ALL DISTURBED AREAS MUST BE STABILIZED TEMPORARILY WITH THE USE OF FAST-GERMINATING ANNUAL GRASS/GRAIN VARIETIES APPROPRIATE FOR SITE SOIL AND CLIMATE CONDITIONS. MULCH IS REQUIRED FOR ALL SEEDING APPLICATIONS, AND ALL MULCH APPLICATIONS MUST INCLUDE A SUITABLE FORM OF MULCH ANCHORING TO MINIMIZE MOVEMENT OF MULCH BY WIND OR WATER.

Species	Lbs/Ac	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Bahia Grass (Alone)	40												
Bahia Grass (Mix)	30												
Bermuda Grass (hulled) (Alone)	8-12												
Bermuda Grass (hulled) (Mix)	4-6												
Fescue, Tall (KY31) Alone	40												
Fescue, Tall (KY31) mix	20												
Sericea Lespedeza (Scarified) Alone or Mix (inoculate with EL Innoculant	40												
Ladino Clover (mix only) Innoculate with AB Innoculant	2												
For Steep Slopes/Cut Slopes													
Weeping Lovegrass (Alone)	4												
Weeping Lovegrass (Mix)	2												
Crownvetch (Mix) (Inoculate with Type M Innoculant	8-10												

SEEDING PREPARATION:
A. TILL AREA TO BE SEEDED TO A DEPTH OF 4".
B. APPLY 10-10-10 FERTILIZER AT A RATE OF 11.5 POUNDS PER 1,000 SQUARE FEET.
C. THE FERTILIZER SHALL BE WORKED INTO THE TOP 4 INCHES OF SOIL PRIOR TO SEEDING.

STRAW MULCH:
A. APPLY STRAW MULCH BY HAND OR MACHINE AT A RATE OF 1.5-2.0 TONS PER ACRE (90 POUNDS PER 1,000 SF) THEN TACKED WITH EMULSIFIED ASPHALT.

4. ALTERNATIVE STABILIZATION MEASURES TO SEEDING, SUCH AS ANCHORED MULCH APPLICATION (WITHOUT SEEDING), MAY BE UTILIZED DURING PERIODS WHEN VEGETATIVE GROWTH IS UNLIKELY (E.G. WINTER MONTHS).
5. IT IS NOT ACCEPTABLE TO ALLOW BARE SOIL TO REMAIN EXPOSED AT ANY TIME DURING THE YEAR, REGARDLESS OF WEATHER/TEMPERATURE/SITE CONDITIONS.
6. ALTERNATIVE STABILIZATION MEASURES INCLUDE, BUT ARE NOT LIMITED TO: ANCHORED STRAW/HAY MULCH, WOOD CELLULOSE FIBER MULCH, SPRAY-ON SOIL GLUES/BINDERS, AND ROLLED EROSION CONTROL PRODUCTS.
7. ALL ROLLED EROSION CONTROL PRODUCTS SHALL HAVE CURRENT QDOR(TM) STATUS ISSUED BY THE EROSION CONTROL TECHNOLOGY COUNCIL (ECTC) PLUS ANY STATE OR AGENCY-SPECIFIC REQUIREMENTS. EVIDENCE OF QDOR(TM) APPROVAL SHALL ACCOMPANY THE PRODUCT SHIPPED TO THE JOBSITE FOR READY IDENTIFICATION BY THE CONTRACTOR OR AGENCY INSPECTOR.
8. ROLLED EROSION CONTROL PRODUCTS (NETS, BLANKETS, TURF REINFORCED MATES) AND VEGETATED AREAS NOT MEETING REQUIRED VEGETATIVE DENSITIES FOR FINAL STABILIZATION MUST BE INSPECTED **ONCE EVERY CALENDAR WEEK AND WITHIN 24 HOURS OF A RAINFALL EVENT THAT PRODUCES 1/2 INCH OR MORE OF PRECIPITATION.** RILLING, RUTTING AND OTHER SIGNS OF EROSION INDICATE THE SPECIFIED EROSION CONTROL DEVICE IS NOT FUNCTIONING OR INSTALLED PROPERLY AND/OR ADDITIONAL EROSION CONTROL DEVICES ARE WARRANTED.

PS E PERMANENT SEEDING/ VEGETATION NOTES

SCHOOL DISTRICT FIVE OF LEXINGTON & RICHLAND COUNTIES

CROSSROADS INTERMEDIATE CULVERT REPLACEMENT

IRMO SOUTH CAROLINA

SOUTH CAROLINA — ADC ENGINEERING INC. No. 00253 — CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA — LICENSED PROFESSIONAL ENGINEER — No. 22779 — CHRISTOPHER W. CRAWFORD — 01/27/2026

ADC ENGINEERING
7436 Broad River Road, SUITE 212
Irmo SC 29063
803-732-7080
ADCENGINEERING.COM

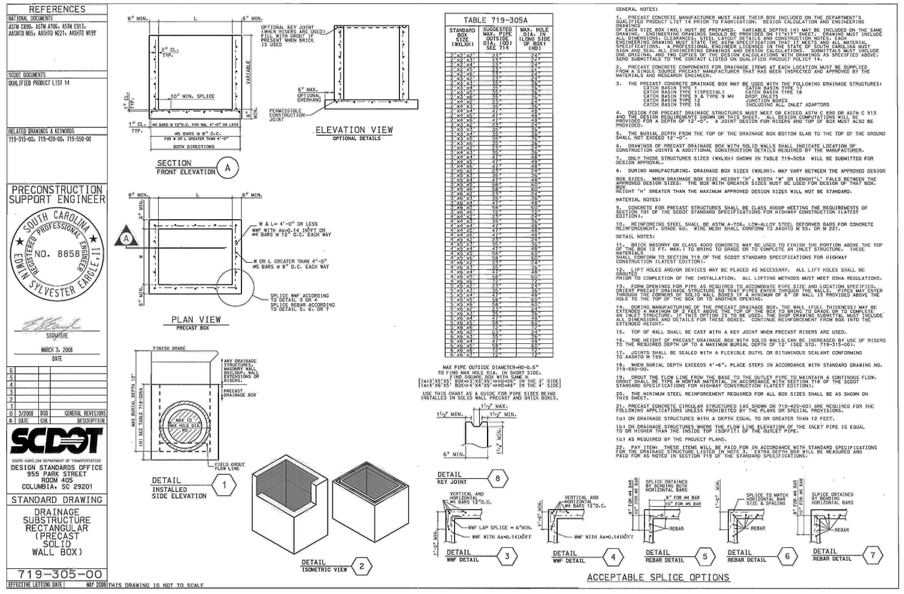
811 CONTRACTOR SHALL CONTACT 811 (1-888-721-7877) FOR LOCATIONS OF ALL UTILITIES AT LEAST 72 HOURS PRIOR TO BEGINNING CONSTRUCTION. Know what's **below.** **Call** before you dig.

DATE:	01/27/2026
ADC PROJECT #:	25206
DESIGNED:	CWC
CHECKED:	CWC
DRAWN:	JRD
REVISION:	

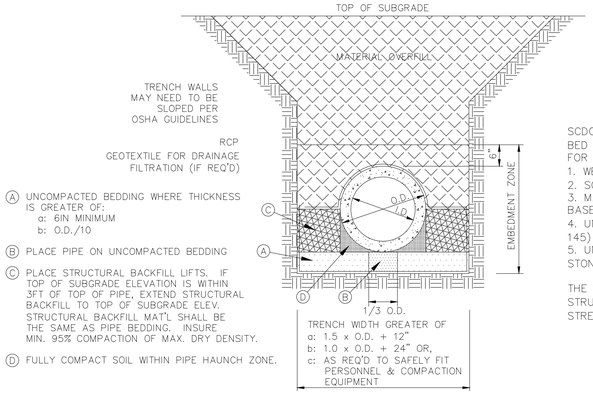
EROSION CONTROL DETAILS

C6.1

ISSUED FOR BIDDING


REFERENCES
NATIONAL DOCUMENTS
ASTM C55, ASTM A706, ASHTO M36, AASHTO M85, AASHTO M199, AASHTO M259, AASHTO M207
SCDOT DOCUMENTS
QUALIFIED PRODUCT LIST 14
RELATED DRAWINGS & KEYWORDS
719-310-00, 719-439-06, 719-500-00
PRECONSTRUCTION SUPPORT ENGINEER
SOUTH CAROLINA PROFESSIONAL ENGINEER
EDWIN SYLVESTER EAGLE III
NO. 8858
SIGNATURE
MARCH 5, 2008
DATE
0 3/2008 DSE GENERAL REVISIONS
DATE CHK DESCRIPTION
SCDOT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201
STANDARD DRAWING
DRAINAGE SUBSTRUCTURE RECTANGULAR (PRECAST SOLID WALL BOX)
719-305-00
EFFECTIVE LETTING DATE: MAY 2008
THIS DRAWING IS NOT TO SCALE
6" MIN.
L
6" MIN.
OPTIONAL KEY JOINT (MAY SUBSTITUTE SPACER BARS WITH GROUT IF DESIRED)
6" MIN. OPTIONAL OVERHANG
PERMISSIBLE CONSTRUCTION JOINT
ELEVATION VIEW
OPTIONAL DETAILS
50" MIN. SPLICE
#5 BARS @ 12"O.C. FOR MIN. A"=8" IN LESS THAN 9'-0" SPAN
#5 BARS @ 6" O.C. FOR 9'-0" SPAN OR GREATER
BOTH DIRECTIONS
SECTION
FRONT ELEVATION
A
W & L= 4'-0" OR LESS #4 BARS @ 12" O.C. EACH WAY
W OR L GREATER THAN 4'-0" #5 BARS @ 8" O.C. EACH WAY
SPLICE #4@ AS REQUIRED
SPLICE REBAR ACCORDING TO DETAIL S1 & S1.09
PLAN VIEW
PRECAST BOX
FINISH GRADE
APPROVED MASONRY WALL
EXCAVATION FOR MASONRY WALL
PRECAST DRAINAGE BOX
COLD GROUT FLOW LINE
DETAIL
INSTALLED SIDE ELEVATION
1
DETAIL
ISOMETRIC VIEW
2
TABLE 719-305A
STANDARD BOX SIZE (INSIDE) (WIDTH X HEIGHT)
SUGGESTED BOX SIZE (OUTSIDE) SEE TYP.
MAX. HOLE SIZE (LONG SIDE OF BOX) (WIDTH X HEIGHT)
MAX PIPE OUTSIDE DIAMETER=60-0.5" TO FIND MAX HOLE SIZE = IN SHORT DIRC. [1a=1"-0.5" 2a=2"-0.5" 3a=3"-0.5" 4a=4"-0.5" 5a=5"-0.5" 6a=6"-0.5" 7a=7"-0.5" 8a=8"-0.5" 9a=9"-0.5" 10a=10"-0.5" OR 11a= 11"-0.5"]
USE THIS TABLE AS A GUIDE FOR PIPE OPENINGS BEING INSTALLED IN SOLID WALL PRECAST AND BATED BOXES.
GENERAL NOTES:
1. PRECAST CONCRETE MANUFACTURERS MUST HAVE THEIR BOX INCLUDED ON THE DEPARTMENT'S QUALIFIED PRODUCT LIST 14 PRIOR TO FABRICATION. DESIGN CALCULATION AND CONCRETE STRENGTH
OF EACH SIZE AND LENGTH BE PREPARED, SUITABLE COPIES (IF) MAY BE INCLUDED ON THE SAME SHEETS AS THE DRAWINGS. THE DESIGN CALCULATIONS SHALL BE SIGNED AND SEALED BY A P.E. INCLUDE ALL DIMENSIONS, CLEARANCES, SIZES, LAYOUT DETAILS AND CONSTRUCTION NOTES. FROM MATERIAL SPECIFICATIONS & PRODUCTION, INSPECTION & TESTING, SHALL CONFORM TO THE LATEST SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. SUBMITTED MUST INCLUDE SIGN AND SEAL BY ENGINEERING DRAWINGS AND DESIGN CALCULATIONS. SUBMITTED MUST

PIPE TRENCHES PER SCDOT SC-M-714 "SUPPLEMENTAL TECHNICAL SPECIFICATIN FOR PERMANENT PIPE CULVERTS" DATED APRIL 6, 2009.



(A) UNCOMPACTED BEDDING WHERE THICKNESS IS GREATER OF:
- a: 6IN MINIMUM
- b: O.D./10

(B) PLACE PIPE ON UNCOMPACTED BEDDING

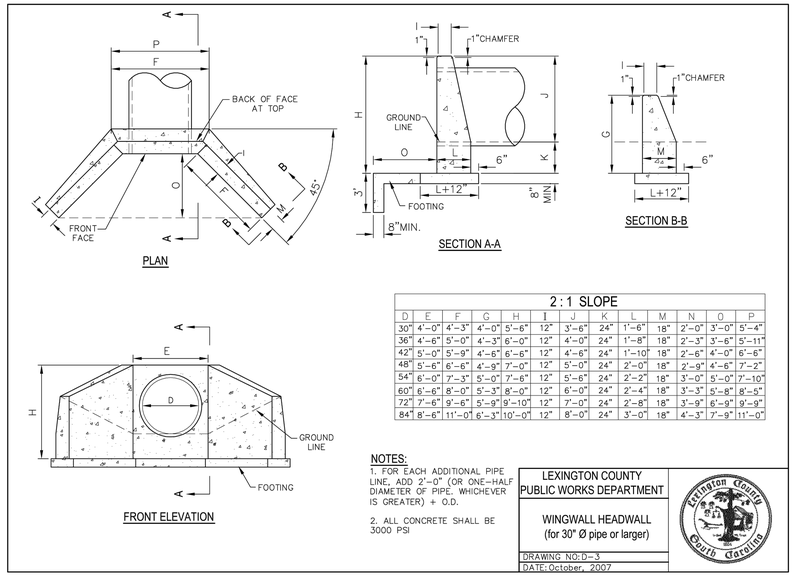
(C) PLACE STRUCTURAL BACKFILL LIFTS. IF TOP OF SUBGRADE ELEVATION IS WITHIN 3FT OF TOP OF PIPE, EXTEND STRUCTURAL BACKFILL TO TOP OF SUBGRADE ELEV. STRUCTURAL BACKFILL MAT'L SHALL BE THE SAME AS PIPE BEDDING. INSURE MIN. 95% COMPACTION OF MAX. DRY DENSITY.

(D) FULLY COMPACT SOIL WITHIN PIPE HAUNCH ZONE.

SCDOT SC-M-714 SECTION 1.3.3
BED FOR PIPE (RCP)
FOR BEDDING MATERIAL, USE EITHER:
1. WELL GRADED A-1 (AASHTO M 145) SOILS
2. SCREENINGS MEETING A-1 (AASHTO M 145)
3. MACADAM OR MARINE LIMESTONE GRADED AGGREGATE BASE FROM QUALIFIED PRODUCT LIST 2
4. UNIFORMLY GRADED, COARSE GRAINED A-3 (AASHTO M 145) SOILS (CLASS 1 WRAPPED)
5. UNIFORMLY GRADED ANGULAR STONE AS LARGE AS #5 STONE (CLASS 2 WRAPPED, VIBRATED)

THE SAME MATERIAL MUST BE USED FOR BEDDING AND STRUCTURAL BACKFILL UNLESS CLSM, "CONTROLLED LOW STRENGTH MATERIAL" IS USED FOR STRUCTURAL BACKFILL.

(A) RCP IMPROVED PIPE BEDDING
NOT TO SCALE



2 : 1 SLOPE												
D	E	F	G	H	I	J	K	L	M	N	O	P
30"	4'-0"	4'-3"	4'-0"	5'-6"	12"	3'-6"	24"	1'-6"	18"	2'-0"	3'-0"	5'-4"
36"	4'-6"	5'-0"	4'-3"	6'-0"	12"	4'-0"	24"	1'-8"	18"	2'-3"	3'-6"	5'-11"
42"	5'-0"	5'-9"	4'-5"	6'-5"	12"	4'-6"	24"	1'-10"	18"	2'-6"	4'-0"	6'-6"
48"	5'-6"	6'-6"	4'-9"	7'-0"	12"	5'-0"	24"	2'-0"	18"	2'-9"	4'-6"	7'-2"
54"	6'-0"	7'-3"	5'-0"	7'-6"	12"	5'-6"	24"	2'-2"	18"	3'-0"	5'-0"	7'-10"
60"	6'-6"	8'-0"	5'-3"	8'-0"	12"	6'-0"	24"	2'-4"	18"	3'-3"	5'-8"	8'-5"
72"	7'-6"	9'-6"	5'-9"	9'-10"	12"	7'-0"	24"	2'-8"	18"	3'-9"	6'-9"	9'-9"
84"	8'-6"	11'-0"	6'-3"	10'-0"	12"	8'-0"	24"	3'-0"	18"	4'-3"	7'-9"	11'-0"

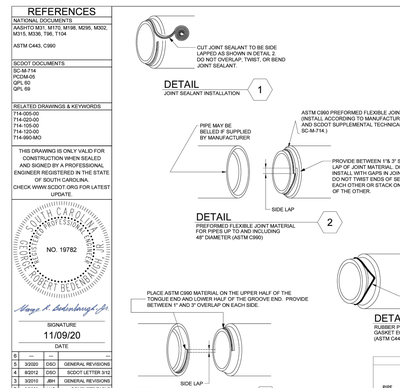
NOTES:
1. FOR EACH ADDITIONAL PIPE LINE, ADD 2'-0" (OR ONE-HALF DIAMETER OF PIPE, WHICHEVER IS GREATER) + O.D.
2. ALL CONCRETE SHALL BE 3000 PSI

LEXINGTON COUNTY PUBLIC WORKS DEPARTMENT

WINGWALL HEADWALL (for 30" Ø pipe or larger)

DRAWING NO: D-3
DATE: October, 2007

(C) WINGED HEADWALL
NOT TO SCALE



1. SEE SHEET 714-005-00, 714-020-00, 714-105-00, & 714-120-00 FOR GENERAL NOTES, AND TRENCH INSTALLATION REQUIREMENTS.
2. USE ONLY REINFORCED CONCRETE PIPE AND JOINT MATERIAL FROM MANUFACTURERS LISTED ON QUALIFIED PRODUCT LIST 66. USE ONLY PIPE CLASSES LISTED IN TABLE 714-205A.
3. FLEXIBLE PIPE CULVERTS ARE PROHIBITED FROM USE ON ALL INTERSTATE AND SCDOT EVACUATION ROUTES. USE ONLY RIGID PIPE CULVERTS FOR ALL INTERSTATE AND SCDOT EVACUATION ROUTES STATEWIDE.
4. MANUFACTURERS MAY SUBSTITUTE A HIGHER CLASS PIPE THAN THE PIPE CLASS SPECIFIED ON THE PLANS, HOWEVER, INSTALLATION DEPTH SHALL NOT EXCEED THE DEPTH SHOWN ON THE PLANS OR VIOLATE THE FILL HEIGHTS IDENTIFIED IN TABLE 714-205A. NO ADDITIONAL PAYMENT WILL BE MADE FOR HIGHER CLASS PIPE SUBSTITUTION.
5. SITE CONDITIONS OTHER THAN TYPICAL INSTALLATION MAY REQUIRE SPECIAL DESIGNED PIPE. SPECIAL DESIGN PIPE MAY ALSO BE REQUIRED FOR INSTALLATIONS OUTSIDE OF SCDOT RIGHT OF WAY - SEE RIGHT OF WAY/UTILITY/MUNICIPAL AGREEMENT FOR THESE INSTALLATIONS. WHEN REQUIRED, ALL SPECIAL DESIGN PIPES MUST BE DESIGNED IN ACCORDANCE WITH PCDM-05.
6. THIS FILL HEIGHT TABLE IS FOR USE IN SCDOT ROADWAY APPLICATIONS ONLY AND SHOULD NOT BE USED FOR ANY OTHER TRANSPORTATION FACILITY.
7. THE REINFORCED CONCRETE PIPE FILL HEIGHT VALUES IN TABLE 714-205A ARE BASED ON CALCULATIONS PROVIDED BY THE AMERICAN CONCRETE PIPE ASSOCIATION. FILL HEIGHT VALUES IN TABLE 714-205A ARE APPLICABLE FOR THE FOLLOWING LOAD CASE CRITERIA:

   LOAD CASE 1 - STANDARD MAXIMUM COVER INSTALLATION UNDERNEATH ROADWAY. ANY PIPE REQUIRING INSTALLATION DEPTHS GREATER THAN THIS VALUE WILL REQUIRE A SPECIAL DESIGNED PIPE.

   LOAD CASE 2 - STANDARD MINIMUM COVER INSTALLATION UNDERNEATH ROADWAY. THIS VALUE IS SET BY AASHTO LRFD MINIMUM COVER REQUIREMENTS, REGARDLESS OF PIPE STRUCTURAL CAPACITY. PIPE INSTALLATIONS AT DEPTHS SHALLOWER THAN THIS VALUE ARE NOT PERMITTED FOR LOAD CASE 2.

   LOAD CASE 3 - STANDARD MINIMUM COVER INSTALLATION FOR CONSTRUCTION VEHICLE LOADING. THIS VALUE INCLUDES AASHTO BRIDGE CONSTRUCTION SPECIFICATION MINIMUM (75 KIPS/AXLE) CONSTRUCTION LOAD. WHERE POSSIBLE, AVOID DRIVING CONSTRUCTION VEHICLES OVER INSTALLED PIPE. EXTEND CONSTRUCTION FILL HEIGHT BEYOND ENDS OF PIPE BY THE LARGER OF 2 FEET OR ONE PIPE DIAMETER IN ORDER TO MINIMIZE LATERAL DISPLACEMENT. PERIODICALLY CHANGE THE LOCATION OF EQUIPMENT CROSSING OVER PIPE.

   LOAD CASE 4 - NON-RESIDENTIAL DRIVEWAY (LIGHT COMMERCIAL) SAME STRUCTURAL DESIGN LOADING AS LOAD CASE 2 BUT MINIMUM COVER OVER PIPE IS NOT LIMITED BY AASHTO LRFD (MOST CURRENT EDITION ADOPTED BY THE DEPARTMENT) SECTION 12 MINIMUM COVER REQUIREMENT. FOR THIS CONDITION SCDOT WILL PERMIT PIPE TO BE INSTALLED AT DEPTHS THAT ARE SHALLOWER THAN THE AASHTO MINIMUM. THE VALUE USED FOR MINIMUM COVER WILL ONLY BE LIMITED BY THE PIPE'S STRUCTURAL CAPACITY DETERMINED FROM THE STRUCTURAL DESIGN. USE LOAD CASE 2 FOR HEAVY COMMERCIAL DRIVEWAYS. SEE 714-990-MO FOR RESIDENTIAL DRIVEWAY INSTALLATION FOR MAINTENANCE APPLICATIONS.

   LOAD CASE 6 - STANDARD MAXIMUM COVER INSTALLATION BELOW GROUNDWATER TABLE. MAXIMUM DEPTH PIPE CAN BE INSTALLED WITH GROUNDWATER TABLE ELEVATION AT 2 X O.D. ABOVE PIPE INVERT.
8. ALL VALUES NOTED AS "--" TYPICALLY INDICATE THAT PIPE SIZE IN NOT AVAILABLE OR THAT A SPECIAL DESIGN PIPE IS REQUIRED FOR THIS SIZE. CHECK WITH PIPE MANUFACTURE FOR SPECIAL DESIGN PIPE.

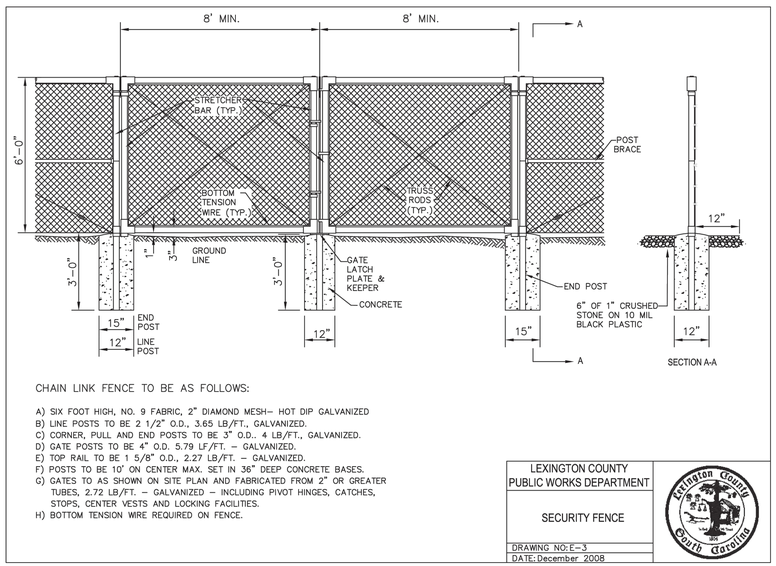
PAY ITEMS:
714XXXX (SIZE) SMOOTH WALL PIPE CULVERT.....LF
714XXXX (SIZE) RC PIPE CULVERT (RCP) - (CLASS).....LF
714XXXX (SIZE) RC PIPE CULVERT (RCP) - (CLASS) AASHTO M198 JOINT (ASTM C990).....LF
714XXXX (SIZE) RC PIPE CULVERT (RCP) - (CLASS) AASHTO M315 JOINT (ASTM C443).....LF
203400X (DIAMETER) PIPE ADDITIONAL FOUNDATION WORK.....LF

TABLE 714-205A: REINFORCED CONCRETE PIPE ALLOWABLE FILL HEIGHTS

PIPE DIAMETER	HYDRAULIC AREA	MANNING'S COEFFICIENT	ESTIMATED MINIMUM TRENCH WIDTH	LOAD CASE 1 MAXIMUM COVER (UNDER ROADWAY) [FT]				LOAD CASE 2 MINIMUM COVER (UNDER ROADWAY) [FT]				LOAD CASE 3 MINIMUM COVER (CONSTRUCTION VEHICLE) [FT]				LOAD CASE 4 MINIMUM COVER (NON-RESIDENTIAL DRIVEWAY) NOT FOR USE UNDER ROADWAY [FT]				LOAD CASE 6 MAXIMUM COVER (INVERT AT 2 X OD BELOW GROUNDWATER TABLE) [FT]			
				PIPE CLASS				PIPE CLASS				PIPE CLASS				PIPE CLASS				PIPE CLASS			
[IN]	[FT²]	[n]	[IN]	II	III	IV	V	II	III	IV	V	II	III	IV	V	II	III	IV	V	II	III	IV	V
12	0.78	SEE MFG	42	12.00	17.00	25.00	38.00	2.75	1.25	1.00*	1.00*	5.00	4.00	3.00	1.00	2.75	1.25	0.00	0.00	12.00	17.00	25.00	38.00
15	1.22	SEE MFG	45	13.00	17.00	26.00	39.00	2.75	1.25	1.00*	1.00*	5.00	4.00	3.00	1.00	2.75	1.25	0.00	0.00	12.00	17.00	26.00	39.00
18	1.76	0.012	49	13.00	17.00	26.00	40.00	2.50	1.25	1.00*	1.00*	5.00	4.00	3.00	1.00	2.50	1.25	0.00	0.00	12.00	17.00	26.00	40.00
24	3.14	0.012	56	13.00	17.00	26.00	40.00	2.50	1.00*	1.00*	1.00*	5.00	4.00	3.00	1.00	2.50	0.00	0.00	0.00	12.00	17.00	26.00	40.00
30	4.90	0.012	63	13.00	17.00	26.00	40.00	2.50	1.00*	1.00*	1.00*	5.00	4.00	3.00	1.00	2.50	0.00	0.00	0.00	12.00	17.00	26.00	40.00
36	7.06	0.012	70	12.00	17.00	26.00	40.00	2.50	1.00*	1.00*	1.00*	5.00	3.00	3.00	1.00	2.50	0.00	0.00	0.00	12.00	17.00	26.00	39.00
42	9.62	0.012	77	12.00	17.00	26.00	40.00	2.25	1.00*	1.00*	1.00*	4.00	3.00	2.00	1.00	2.25	0.00	0.00	0.00	12.00	17.00	26.00	39.00
48	12.56	0.012	84	12.00	17.00	26.00	40.00	1.00*	1.00*	1.00*	1.00*	4.00	3.00	2.00	1.00	0.00	0.00	0.00	0.00	12.00	16.00	25.00	39.00
54	15.90	0.012	91	12.00	17.00	26.00	40.00	1.00*	1.00*	1.00*	1.00*	4.00	3.00	2.00	1.00	0.00	0.00	0.00	0.00	11.00	16.00	25.00	39.00
60	19.63	0.012	98	12.00	17.00	26.00	39.00	1.00*	1.00*	1.00*	1.00*	4.00	3.00	1.00	1.00	0.00	0.00	0.00	0.00	11.00	16.00	25.00	39.00
66	23.75	0.012	107	12.00	17.00	26.00	39.00	1.00*	1.00*	1.00*	1.00*	4.00	3.00	1.00	1.00	0.00	0.00	0.00	0.00	11.00	16.00	25.00	38.00
72	28.27	0.012	116	12.00	17.00	25.00	39.00	1.00*	1.00*	1.00*	1.00*	4.00	3.00	1.00	1.00	0.00	0.00	0.00	0.00	11.00	16.00	24.00	38.00
78	33.18	0.012	126	12.00	17.00	25.00	---	1.00*	1.00*	1.00*	---	3.00	3.00	1.00	---	0.00	0.00	0.00	---	11.00	15.00	24.00	---
84	38.48	0.012	135	12.00	16.00	25.00	---	1.00*	1.00*	1.00*	---	3.00	3.00	1.00	---	0.00	0.00	0.00	---	10.00	15.00	24.00	---
90	44.17	0.012	144	12.00	16.00	---	---	1.00*	1.00*	---	---	3.00	3.00	---	---	0.00	0.00	---	---	10.00	15.00	---	---
96	50.74	0.012	154	11.00	16.00	---	---	1.00*	1.00*	---	---	3.00	3.00	---	---	0.00	0.00	---	---	10.00	15.00	---	---
108	63.61	0.012	172	11.00	16.00	---	---	1.00*	1.00*	---	---	3.00	3.00	---	---	0.00	0.00	---	---	9.00	15.00	---	---
120	78.54	0.012	191	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

* IF PIPE IS INSTALLED UNDER RIGID PAVEMENT VALUE MAY BE REDUCED TO 0.75-FT

(B) O-RING RCP DETAILS
NOT TO SCALE



CHAIN LINK FENCE TO BE AS FOLLOWS:

A) SIX FOOT HIGH, NO. 9 FABRIC, 2" DIAMOND MESH– HOT DIP GALVANIZED
B) LINE POSTS TO BE 2 1/2" O.D., 3.65 LB/FT., GALVANIZED.
C) CORNER, PULL AND END POSTS TO BE 3" O.D., 4 LB/FT., GALVANIZED.
D) GATE POSTS TO BE 4" O.D. 5.79 LF/FT. – GALVANIZED,
E) TOP RAIL TO BE 1 5/8" O.D., 2.27 LB/FT. – GALVANIZED.
F) POSTS TO BE 10' ON CENTER MAX. SET IN 36" DEEP CONCRETE BASES.
G) GATES TO AS SHOWN ON SITE PLAN AND FABRICATED FROM 2" OR GREATER TUBES, 2.72 LB/FT. – GALVANIZED – INCLUDING PIVOT HINGES, CATCHES, STOPS, CENTER VESTS AND LOCKING FACILITIES.
H) BOTTOM TENSION WIRE REQUIRED ON FENCE.

LEXINGTON COUNTY PUBLIC WORKS DEPARTMENT

SECURITY FENCE

DRAWING NO: E-3
DATE: December 2008

(D) CHAIN LINK FENCE DETAIL
NOT TO SCALE

ISSUED FOR BIDDING

SCHOOL DISTRICT FIVE OF LEXINGTON & RICHLAND COUNTIES

CROSSROADS INTERMEDIATE CULVERT REPLACEMENT

IRMO SOUTH CAROLINA

SOUTH CAROLINA — ADC ENGINEERING INC. No. 00253 — CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA — REGISTERED PROFESSIONAL ENGINEER — No. 22779 — CHRISTOPHER W. CLARK — 01/27/2026

ADC ENGINEERING
7436 Broad River Road, SUITE 212
Irmo SC 29063
803-732-7080
ADCENGINEERING.COM

811 — CONTRACTOR SHALL CONTACT 811 (1-888-721-7877) FOR LOCATIONS OF ALL UTILITIES AT LEAST 72 HOURS PRIOR TO BEGINNING CONSTRUCTION. Know what's below. Call before you dig.

DATE:	01/27/2026
ADC PROJECT #:	25206
DESIGNED:	CWC
CHECKED:	CWC
DRAWN:	JRD
REVISION:	

STORM DRAINAGE DETAILS

C6.3