

Stantec

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City of Georgetown, SC

2377 Maybank Drive

Georgetown, SC 29442



VICINITY MAP
SCALE: NTS

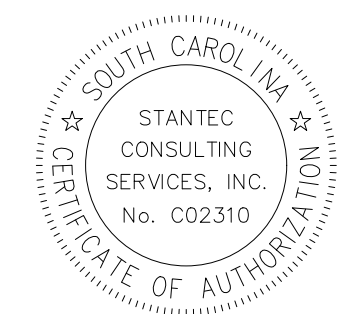
Queen Street Storm Drainage Improvements

City of Georgetown, South Carolina

Stantec Project Number: 178420970

COG PROJECT NUMBER: 4014

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This drawing is not to be used for construction purposes unless signed and sealed by the Engineer of Record and stamped "Approved For Construction." Use of this drawing for quantity take-offs and pricing is preliminary until all applicable permits have been obtained.

Revision	By	Appd.	YY.MM.DD
03 ADDENDUM #1	MW	BK	20.03.27
02 BID SET	MW	BK	20.03.04
01 SCDHEC PERMIT SUBMITTAL	MW	BK	19.10.21
Issued	By	Appd.	YY.MM.DD

File Name: 970_cover.dwg
Dwn. Chkd. Dign. YY.MM.DD



Know what's below.
Call before you dig.



Know what's below.
Call before you dig.

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Legend

- IPF=IRON PIPE FOUND
- IRF=IRON REBAR FOUND
- IRS=IRON REBAR SET
- CP=CALCULATED POINT (NOT SET)
- EB=ELECTRIC BOX
- GW=GUY WIRE
- MW=MONITORING WELL
- WM=WATER METER
- DMH=DRAINAGE MANHOLE
- SMH=SEWER MANHOLE

Notes

- THE CONSTRUCTION OF A 70 ROOM HOTEL DUBBED THE NAME "THE GEORGE" IS PROPOSED TO REPLACE THE EXISTING GEORGETOWN TIMES BUILDING LOCATED AT 615 FRONT STREET. THE GEORGE HOTEL MAIN ENTRANCE DRIVE WILL BE LOCATED WITHIN THE QUEEN STREET 75' RW. CONTRACTOR IS TO COORDINATE THE QUEEN STORM DRAINAGE IMPROVEMENTS WITH THE CONSTRUCTION OF THE GEORGE HOTEL. ADJUSTMENTS TO THE PROPOSED STORM INLET RIM ELEVATIONS AND DRIVEWAY SURFACE REPLACEMENT ASSOCIATED WITH THE QUEEN STREET IMPROVEMENTS MAY BE REQUIRED.

Revision	By	Appd.	Y/M/MD
03 ADDENDUM #1	MW	BK	20.03.27
02 BID SET	MW	BK	20.03.04
01 SCHEC PERMIT SUBMITTAL	MW	BK	19.10.21

File Name: _____ Dwn. Chkd. Dgn. Y/M/MD

Permit-Seal



Client/Project
The City of Georgetown, SC

Queen Street Storm Drainage Improvements

Georgetown County, SC

Title
EXISTING CONDITIONS & DEMOLITION PLAN

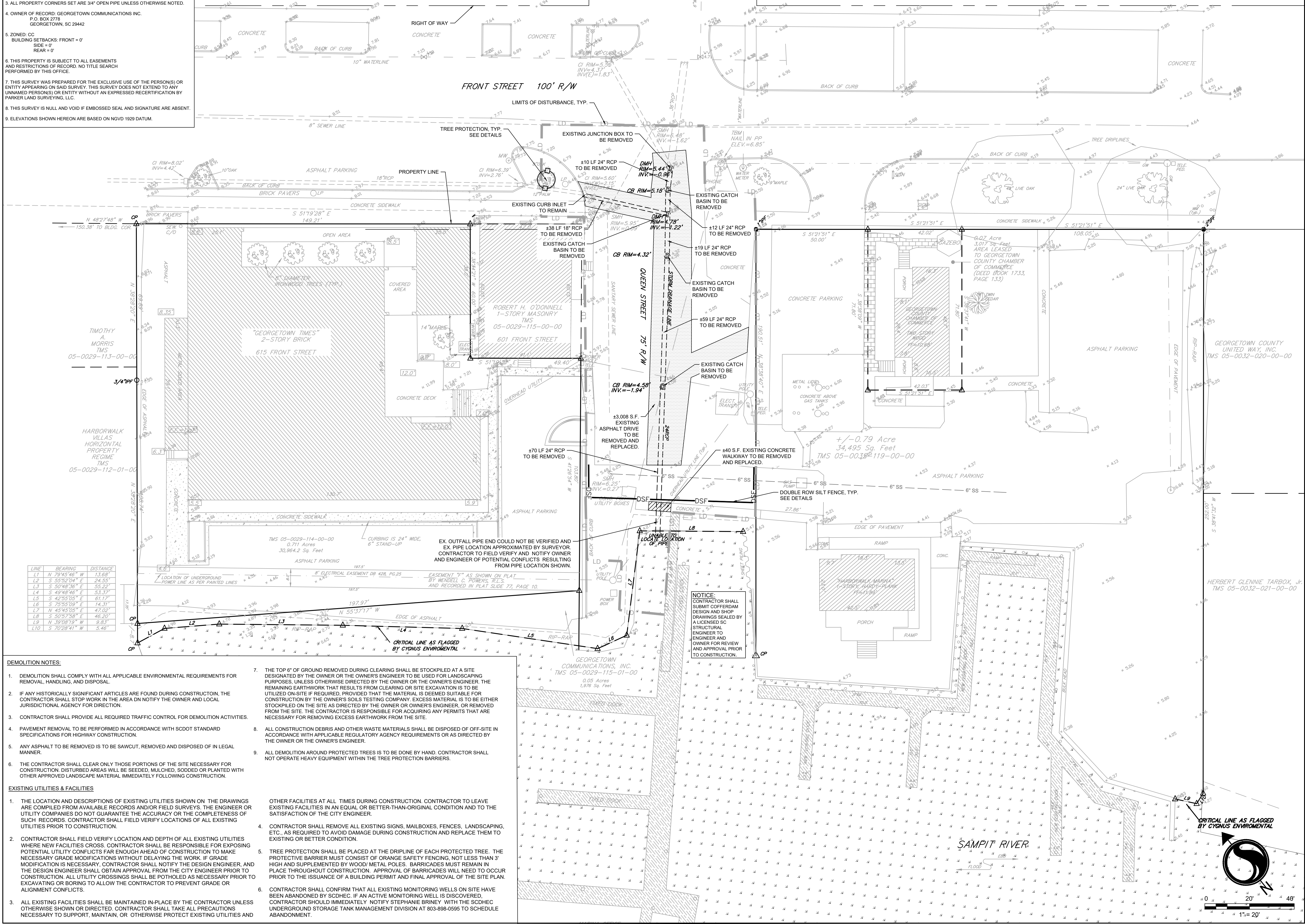
Project No. 178420970
Drawing No. _____
Scale Sheet Revision

- REFERENCES:
- FINAL PLAT SHOWING REVISED LOT 4 ON FRONT STREET, DATED FEBRUARY 14, 2001, BY WENDELL C. POWERS, AND RECORDED IN PLAT SLIDE 378, PAGE 9.
 - PLAT SHOWING LOTS 40, 39, AND PART OF 38, DATED JULY 30, 1960, BY LEGARE HAMILTON, AND RECORDED IN PLAT BOOK T, PAGE 54.
 - DEED RECORDED IN DEED BOOK 91, PAGE 406.
 - GEORGETOWN COUNTY TAX MAP 05-0029-114-00-00.
- NOTES:
- THIS PROPERTY IS LOCATED IN FLOOD ZONE AE-9, PER F.I.R.M. COMMUNITY PANEL 450087 0002, REVISED MARCH 16, 1989.
 - AREA WAS DETERMINED BY COORDINATE METHOD.
 - ALL PROPERTY CORNERS SET ARE 3/4" OPEN PIPE UNLESS OTHERWISE NOTED.
 - OWNER OF RECORD: GEORGETOWN COMMUNICATIONS, INC.
P.O. BOX 2778
GEORGETOWN, SC 29442
 - ZONED: CC
BUILDING SETBACKS: FRONT = 0'
SIDE = 0'
REAR = 0'
 - THIS PROPERTY IS SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD. NO TITLE SEARCH PERFORMED BY THIS OFFICE.
 - THIS SURVEY WAS PREPARED FOR THE EXCLUSIVE USE OF THE PERSON(S) OR ENTITY APPEARING ON SAID SURVEY. THIS SURVEY DOES NOT EXTEND TO ANY UNNAMED PERSON(S) OR ENTITY WITHOUT AN EXPRESSED RECERTIFICATION BY PARKER LAND SURVEYING, LLC.
 - THIS SURVEY IS NULL AND VOID IF EMBOSSED SEAL AND SIGNATURE ARE ABSENT.
 - ELEVATIONS SHOWN HEREON ARE BASED ON NVD 1928 DATUM.

*NOTE: UNABLE TO OBTAIN INVERTS ON STORM WATER STRUCTURES WITHIN THE RIGHT OF WAY OF QUEEN STREET AT TIME OF SURVEY

ITEMS IN BOLD ARE TO BE REMOVED.
ITEMS GRAYED OUT ARE TO REMAIN

EXISTING UTILITY SERVICES SHOWN ARE APPROXIMATE AND DO NOT NECESSARILY REPRESENT ALL SERVICES PRESENT. NO EXCAVATION OR ELECTRICAL DETECTION METHODS WERE USED. STANTEC CONSULTING SERVICES INC. DOES NOT WARRANT THE LOCATION, EXISTENCE, OR PROPERTIES OF ANY UNDERGROUND UTILITY WITHOUT EXCAVATION FIELD VERIFICATION.



LINE	BEARING	DISTANCE
L1	N 79°45'46" W	13.68'
L2	S 55°52'04" E	24.55'
L3	S 20°49'36" E	25.22'
L4	S 49°48'46" E	23.17'
L5	S 42°55'05" E	61.12'
L6	S 75°52'09" E	74.31'
L7	N 45°45'03" E	47.22'
L8	S 50°57'58" E	46.70'
L9	N 39°08'19" W	8.83'
L10	S 70°28'41" W	5.46'

- DEMOLITION NOTES:
- DEMOLITION SHALL COMPLY WITH ALL APPLICABLE ENVIRONMENTAL REQUIREMENTS FOR REMOVAL, HANDLING, AND DISPOSAL.
 - IF ANY HISTORICALLY SIGNIFICANT ARTICLES ARE FOUND DURING CONSTRUCTION, THE CONTRACTOR SHALL STOP WORK IN THE AREA AND NOTIFY THE OWNER AND LOCAL JURISDICTIONAL AGENCY FOR DIRECTION.
 - CONTRACTOR SHALL PROVIDE ALL REQUIRED TRAFFIC CONTROL FOR DEMOLITION ACTIVITIES.
 - PAVEMENT REMOVAL TO BE PERFORMED IN ACCORDANCE WITH SCDDT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
 - ANY ASPHALT TO BE REMOVED IS TO BE SAWCUT, REMOVED AND DISPOSED OF IN LEGAL MANNER.
 - THE CONTRACTOR SHALL CLEAR ONLY THOSE PORTIONS OF THE SITE NECESSARY FOR CONSTRUCTION. DISTURBED AREAS WILL BE SEED, MULCHED, SODDED OR PLANTED WITH OTHER APPROVED LANDSCAPE MATERIAL IMMEDIATELY FOLLOWING CONSTRUCTION.

- EXISTING UTILITIES & FACILITIES
- THE LOCATION AND DESCRIPTIONS OF EXISTING UTILITIES SHOWN ON THE DRAWINGS ARE COMPILED FROM AVAILABLE RECORDS AND/OR FIELD SURVEYS. THE ENGINEER OR UTILITY COMPANIES DO NOT GUARANTEE THE ACCURACY OR THE COMPLETENESS OF SUCH RECORDS. CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
 - CONTRACTOR SHALL FIELD VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES WHERE NEW FACILITIES CROSS. CONTRACTOR SHALL BE RESPONSIBLE FOR EXPOSING POTENTIAL UTILITY CONFLICTS FAR ENOUGH AHEAD OF CONSTRUCTION TO MAKE NECESSARY GRADE MODIFICATIONS WITHOUT DELAYING THE WORK. IF GRADE MODIFICATION IS NECESSARY, CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER. AND THE DESIGN ENGINEER SHALL OBTAIN APPROVAL FROM THE CITY ENGINEER PRIOR TO CONSTRUCTION. ALL UTILITY CROSSINGS SHALL BE POTHOLED AS NECESSARY PRIOR TO EXCAVATING OR BORING TO ALLOW THE CONTRACTOR TO PREVENT GRADE OR ALIGNMENT CONFLICTS.
 - ALL EXISTING FACILITIES SHALL BE MAINTAINED IN-PLACE BY THE CONTRACTOR UNLESS OTHERWISE SHOWN OR DIRECTED. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO SUPPORT, MAINTAIN, OR OTHERWISE PROTECT EXISTING UTILITIES AND

- THE TOP 6" OF GROUND REMOVED DURING CLEARING SHALL BE STOCKPILED AT A SITE DESIGNATED BY THE OWNER OR THE OWNER'S ENGINEER TO BE USED FOR LANDSCAPING PURPOSES. UNLESS OTHERWISE DIRECTED BY THE OWNER OR THE OWNER'S ENGINEER, THE REMAINING EARTHWORK THAT RESULTS FROM CLEARING OR SITE EXCAVATION IS TO BE UTILIZED ON-SITE IF REQUIRED, PROVIDED THAT THE MATERIAL IS DEEMED SUITABLE FOR CONSTRUCTION BY THE OWNER'S SOILS TESTING COMPANY. EXCESS MATERIAL IS TO BE EITHER STOCKPILED ON THE SITE AS DIRECTED BY THE OWNER OR OWNER'S ENGINEER, OR REMOVED FROM THE SITE. THE CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ANY PERMITS THAT ARE NECESSARY FOR REMOVING EXCESS EARTHWORK FROM THE SITE.
- ALL CONSTRUCTION DEBRIS AND OTHER WASTE MATERIALS SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH APPLICABLE REGULATORY AGENCY REQUIREMENTS OR AS DIRECTED BY THE OWNER OR THE OWNER'S ENGINEER.
- ALL DEMOLITION AROUND PROTECTED TREES IS TO BE DONE BY HAND. CONTRACTOR SHALL NOT OPERATE HEAVY EQUIPMENT WITHIN THE TREE PROTECTION BARRIERS.
- OTHER FACILITIES AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR TO LEAVE EXISTING FACILITIES IN AN EQUAL OR BETTER-THAN-ORIGINAL CONDITION AND TO THE SATISFACTION OF THE CITY ENGINEER.
- CONTRACTOR SHALL REMOVE ALL EXISTING SIGNS, MAILBOXES, FENCES, LANDSCAPING, ETC., AS REQUIRED TO AVOID DAMAGE DURING CONSTRUCTION AND REPLACE THEM TO EXISTING OR BETTER CONDITION.
- TREE PROTECTION SHALL BE PLACED AT THE DRIPLINE OF EACH PROTECTED TREE. THE PROTECTIVE BARRIER MUST CONSIST OF ORANGE SAFETY FENCING, NOT LESS THAN 3' HIGH AND SUPPLEMENTED BY WOOD/METAL POLES. BARRICADES MUST REMAIN IN PLACE THROUGHOUT CONSTRUCTION. APPROVAL OF BARRICADES WILL NEED TO OCCUR PRIOR TO THE ISSUANCE OF A BUILDING PERMIT AND FINAL APPROVAL OF THE SITE PLAN.
- CONTRACTOR SHALL CONFIRM THAT ALL EXISTING MONITORING WELLS ON SITE HAVE BEEN ABANDONED BY SCDEIC. IF AN ACTIVE MONITORING WELL IS DISCOVERED, CONTRACTOR SHOULD IMMEDIATELY NOTIFY STEPHANIE BRINCY WITH THE SCDEIC UNDERGROUND STORAGE TANK MANAGEMENT DIVISION AT 803-898-0595 TO SCHEDULE ABANDONMENT.

TEMPORARY VEGETATION SCHEDULE

SPECIES	RATE (LBS/AC)	OPTIMUM DATES TO PLANT	REMARKS
BROWNTOP MILLET (ALONE)	40	APRIL 20 - AUGUST 15	QUICK, DENSE COVER
BROWNTOP MILLET (MIX)	10	APRIL 20 - AUGUST 15	QUICK, DENSE COVER
RYE GRAIN (ALONE)	50	FEBRUARY - MARCH, AUGUST 15 - NOVEMBER 20	QUICK COVER
RYE GRAIN (MIX)	10	FEBRUARY - MARCH, AUGUST 15 - NOVEMBER 20	QUICK COVER
RYE GRASS (ALONE)	50	AUGUST 10 - OCTOBER 10	COMPETITIVE, DENSE
RYE GRASS (MIX)	8	AUGUST 10 - OCTOBER 10	COMPETITIVE, DENSE

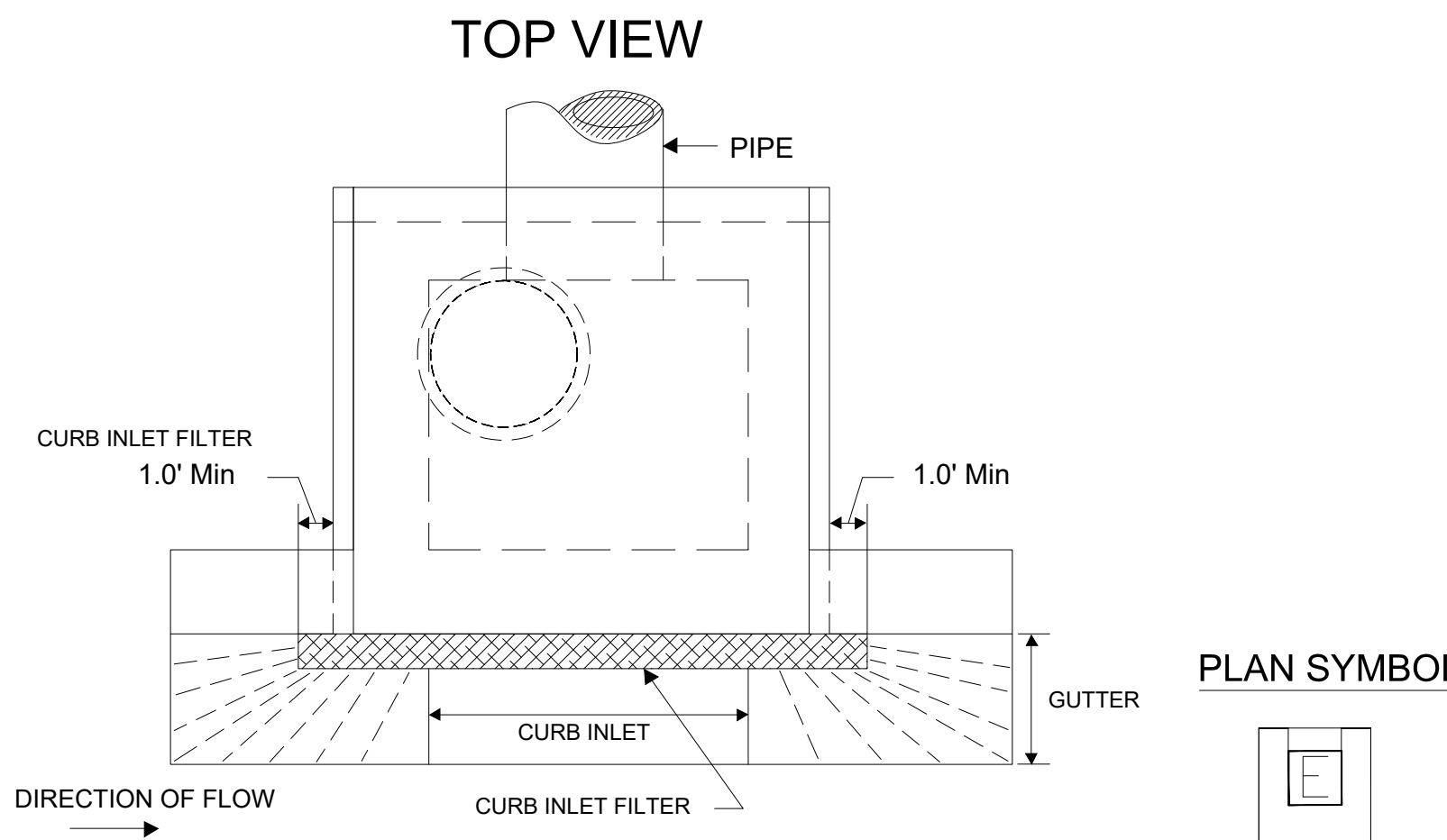
* FOR DETAILS ON MIXES CONSULT THE CLEMSON UNIVERSITY HOME AND GARDEN INFORMATION CENTER AT (888) 656-9988 OR AT HTTP://HGIC.CLEMSON.EDU.

PERMANENT VEGETATION SCHEDULE

SPECIES	RATE (LBS/AC)	OPTIMUM DATES TO PLANT	REMARKS
BERMUDA GRASS (HULLED) (ALONE)	8-12	APRIL - JULY 15	QUICK COVER, SOD FORMING, PARTIAL WINTER KILL
BERMUDA GRASS (HULLED) (MIX)	4-6	APRIL - JULY 15	QUICK COVER, SOD FORMING, PARTIAL WINTER KILL
FESCUE, TALL (KY31) ALONE	40	AUGUST 15 - OCTOBER	SELDOM SEEDED ALONE, NOT FOR DRY OR WET SITES
FESCUE, TALL (KY31) MIX	20	AUGUST 15 - OCTOBER	SELDOM SEEDED ALONE, NOT FOR DRY OR WET SITES
ANNUAL RYE GRASS	15	AUGUST 15 - FEBRUARY	GOOD FOR SUPPRESSING WEEDS. DO NOT USE ITALIAN RYE GRASS.
CENTPEDE	10	MARCH 1 - APRIL 15	REQUIRES LOW MAINTENANCE AND FEWER CUTS.

* FOR DETAILS ON MIXES CONSULT THE CLEMSON UNIVERSITY HOME AND GARDEN INFORMATION CENTER AT (888) 656-9988 OR AT HTTP://HGIC.CLEMSON.EDU.

SEEDING SCHEDULE



South Carolina Department of Health and Environmental Control
Type E
SURFACE COURSE CURB INLET FILTERS
SC-10 PAGE 1 of 2
STANDARD DRAWING NO. FEBRUARY 2014
NOT TO SCALE DATE:

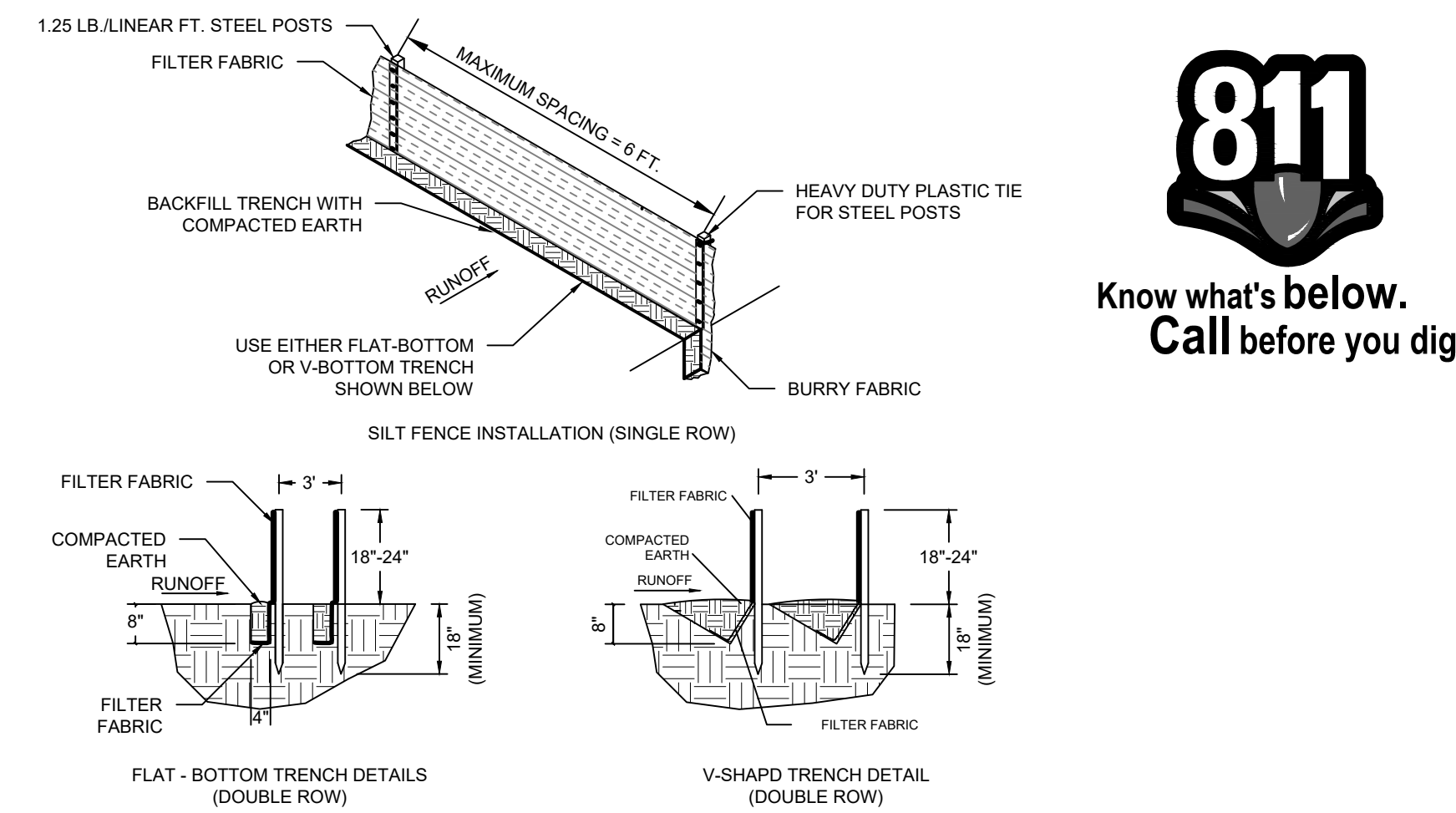
SURFACE COURSE CURB INLET PROTECTION

- GENERAL NOTES**
1. Only use surface curb inlet filters that have a minimum height or diameter of 9-inches and have a minimum length that is 2-feet longer than the length of the curb opening.
 2. Surface course inlet filters that are designed to completely block the inlet opening are prohibited. Acceptable inlet filters should allow for overflows to enter the catch basin.
 3. Surface course inlet filters should be constructed with a synthetic material that will allow stormwater to freely flow through while trapping sediment and debris.
 4. Straw, straw fiber, straw bales, pine needles and leaf mulch are not permissible filter materials.
 5. Each filter should have aggregate compartments for stone, sand, and other weighted materials or mechanisms to hold unit in place. Fill aggregate compartments to a level (at least 1/2 full) to hold the filter in place and create a seal between the filter and the road surface.
 6. Use only Type E inlet filters appearing on SC DOT's Qualified Products Listing (QPL), Approval Sheet #58, or filters meeting the most current edition of the SC DOT Standard Specifications for Highway Construction.

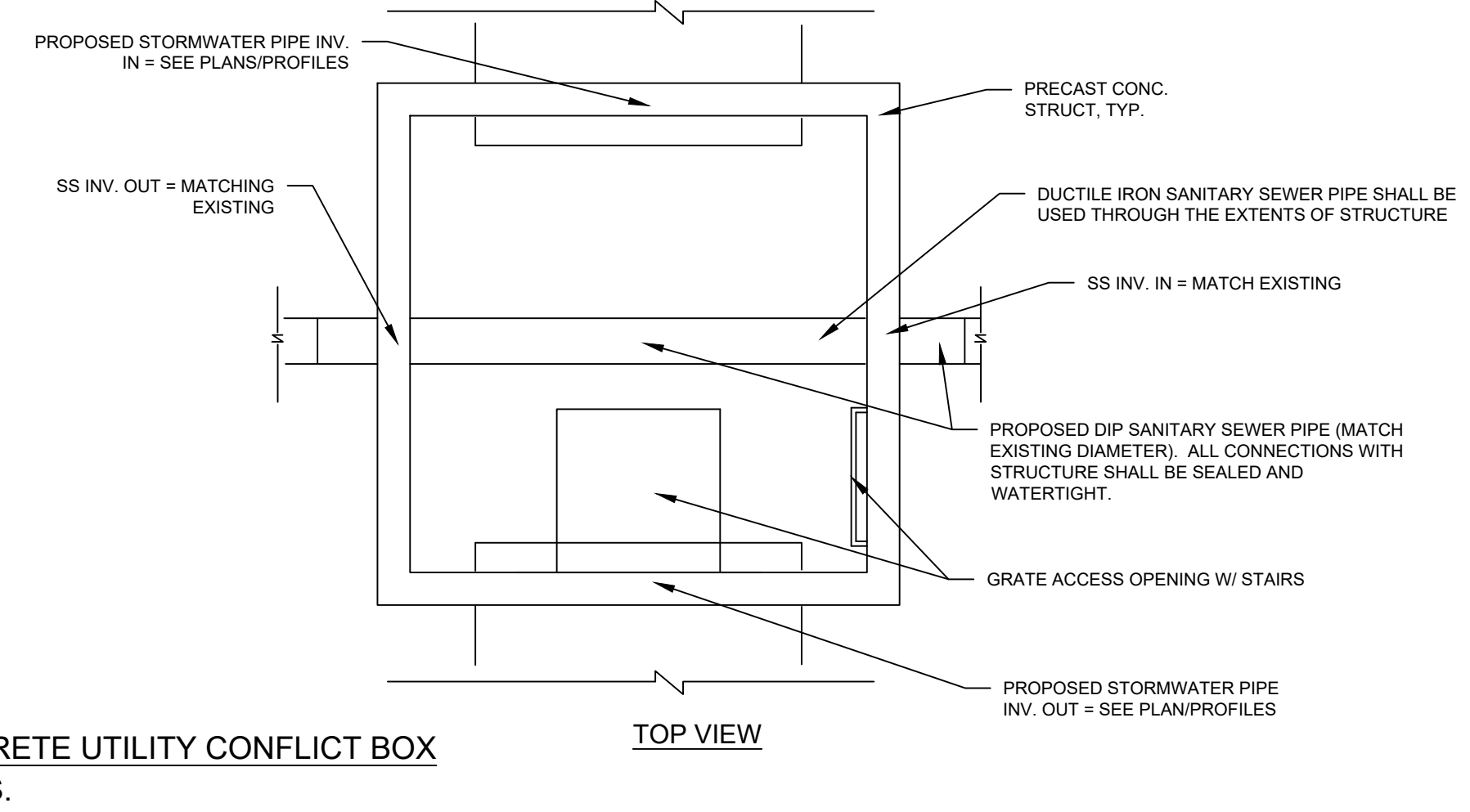
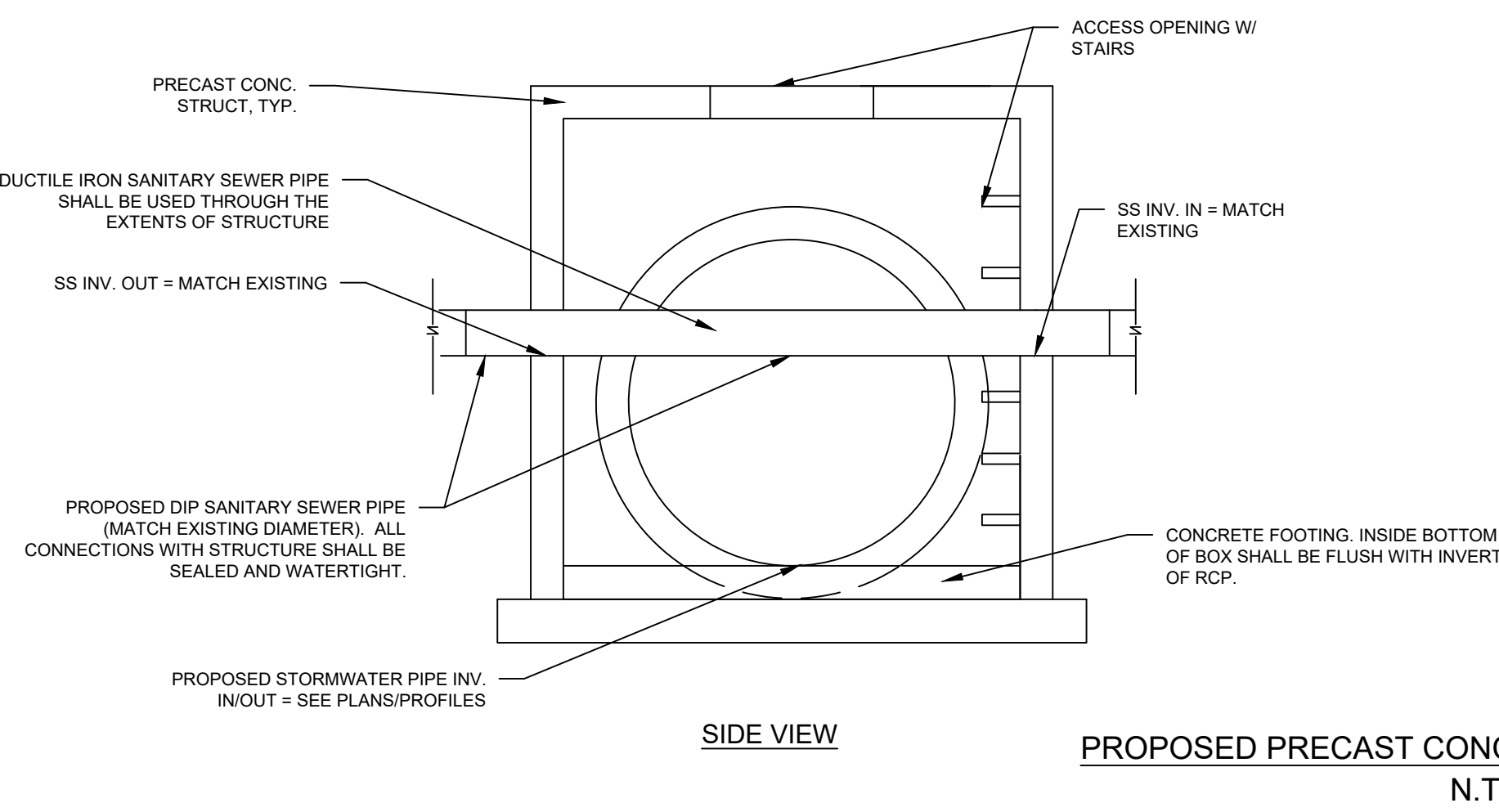
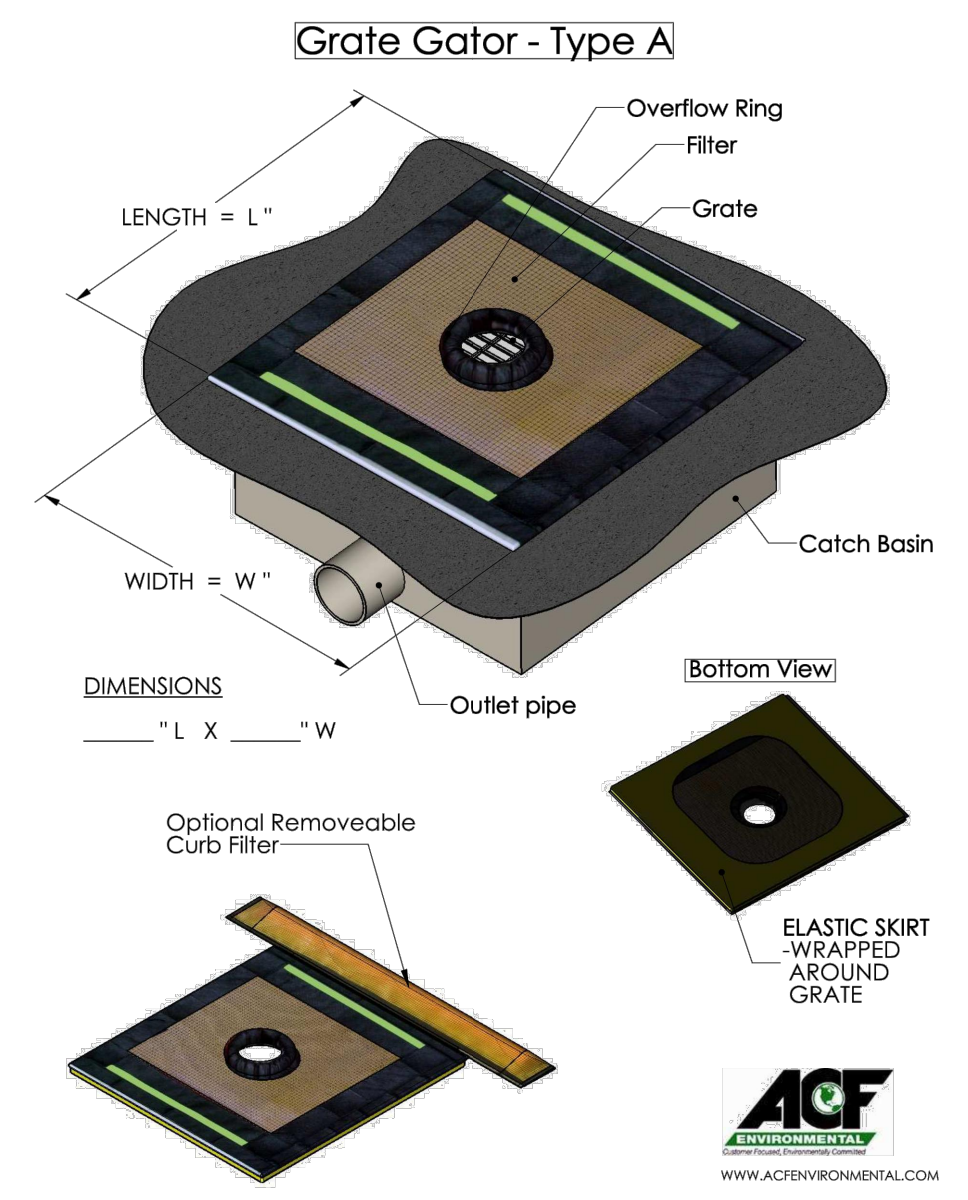
INSPECTION AND MAINTENANCE

1. The key to functional inlet protection is weekly inspections, routine maintenance, and regular sediment removal.
2. Regular inspections of all inlet protection shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall event that produces 1/2-inch or more of precipitation.
3. Attention to sediment accumulations in front of the inlet protection is extremely important. Accumulated sediment should be continually monitored and removed when necessary.
4. Remove accumulated sediment when silt and/or debris has built up around the filter preventing stormwater to flow through the filter.
5. Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.
6. Inlet protection structures should be removed after the disturbed areas are permanently stabilized. Remove all construction material and sediment, and dispose of them properly. Grade the disturbed area to the elevation of the drop inlet structure crest. Stabilize all bare areas immediately.

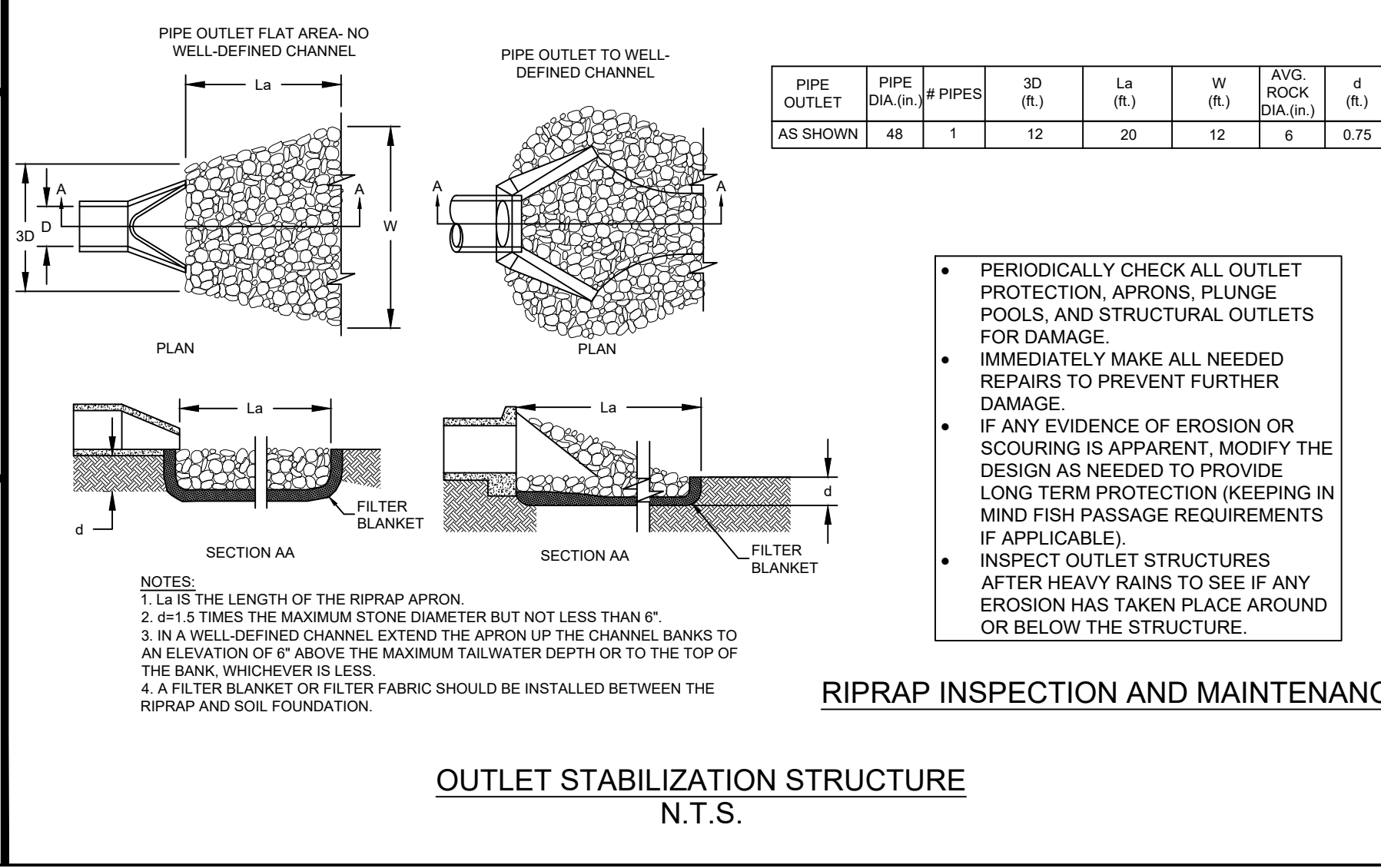
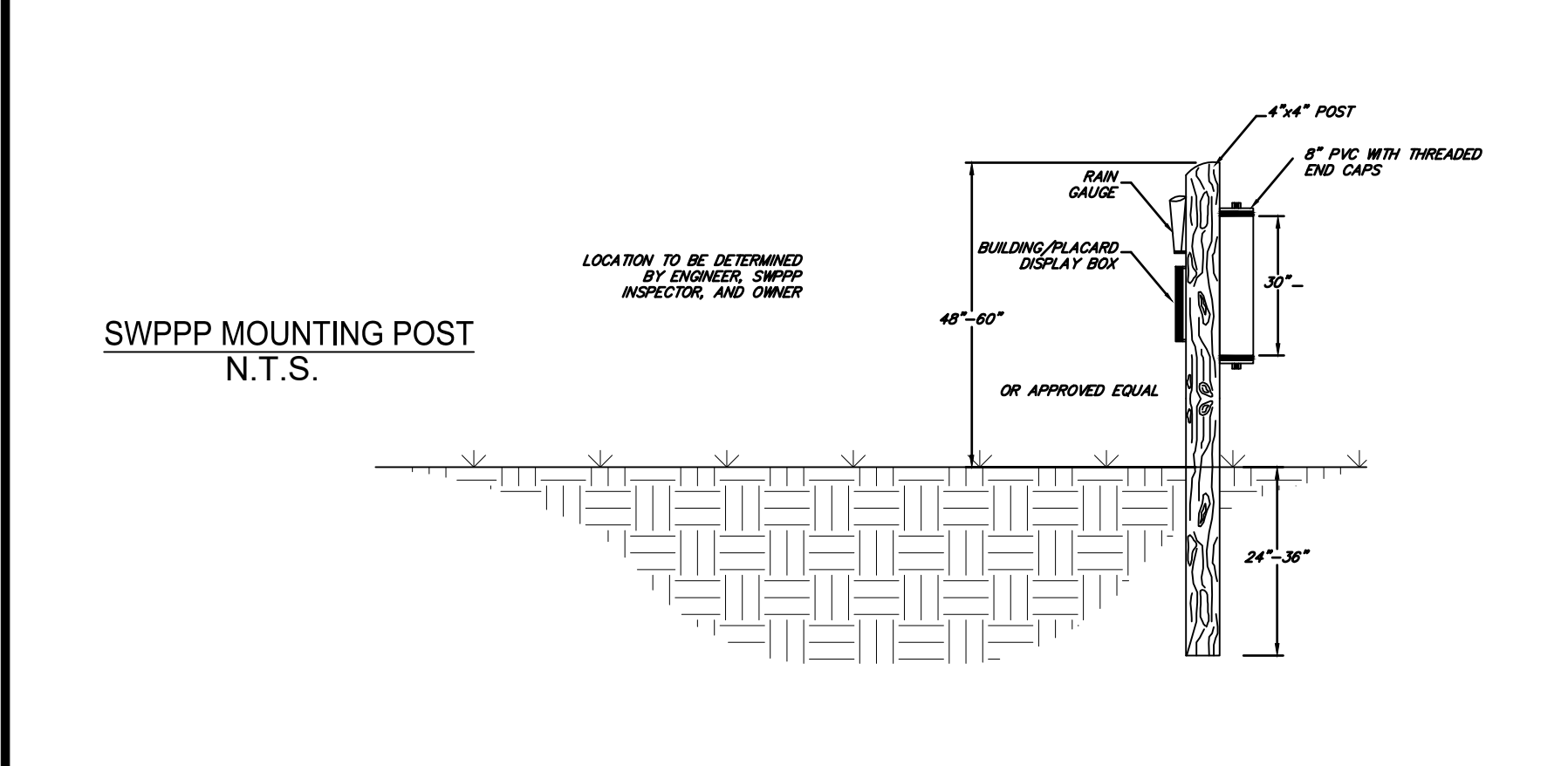
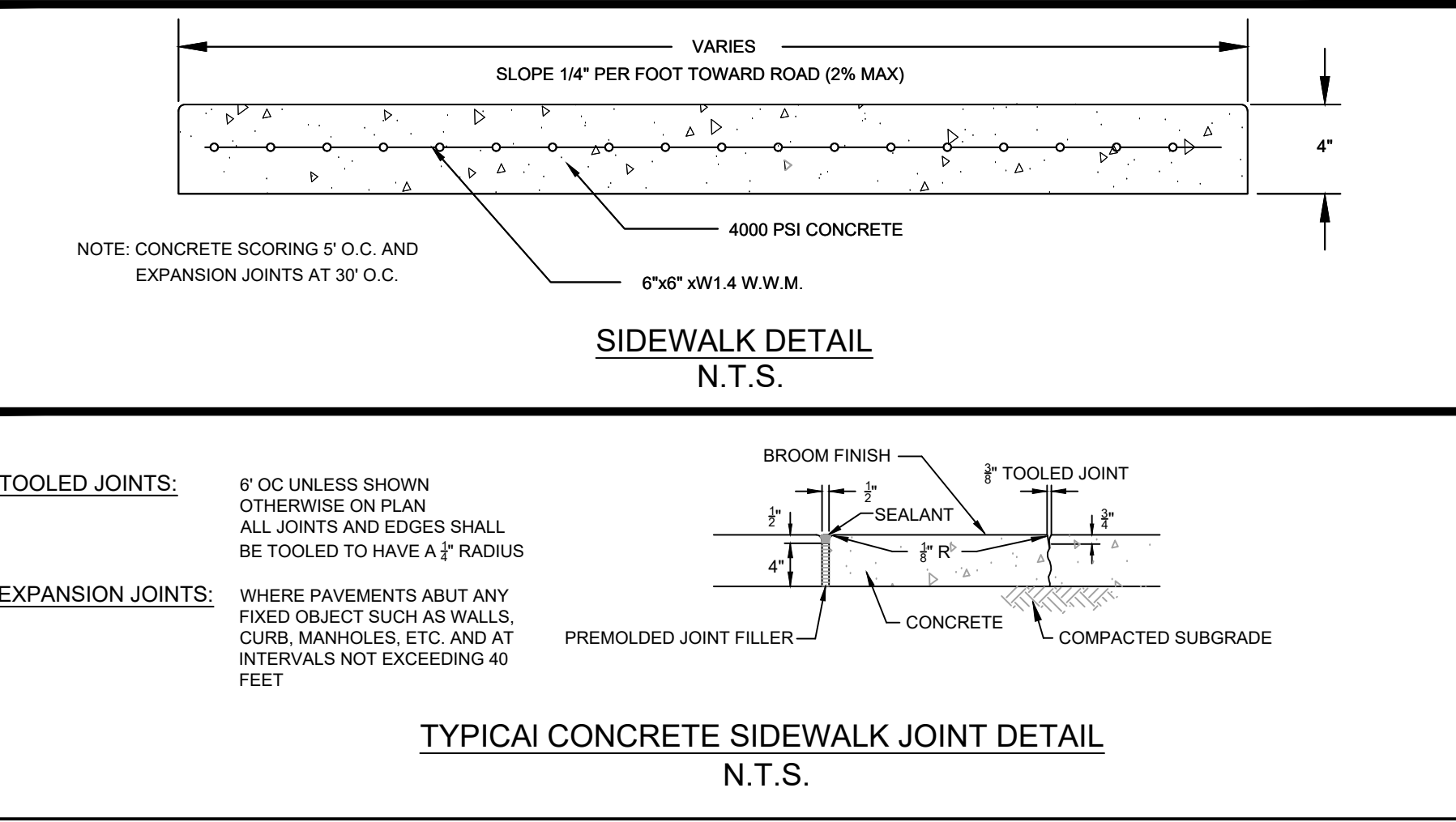
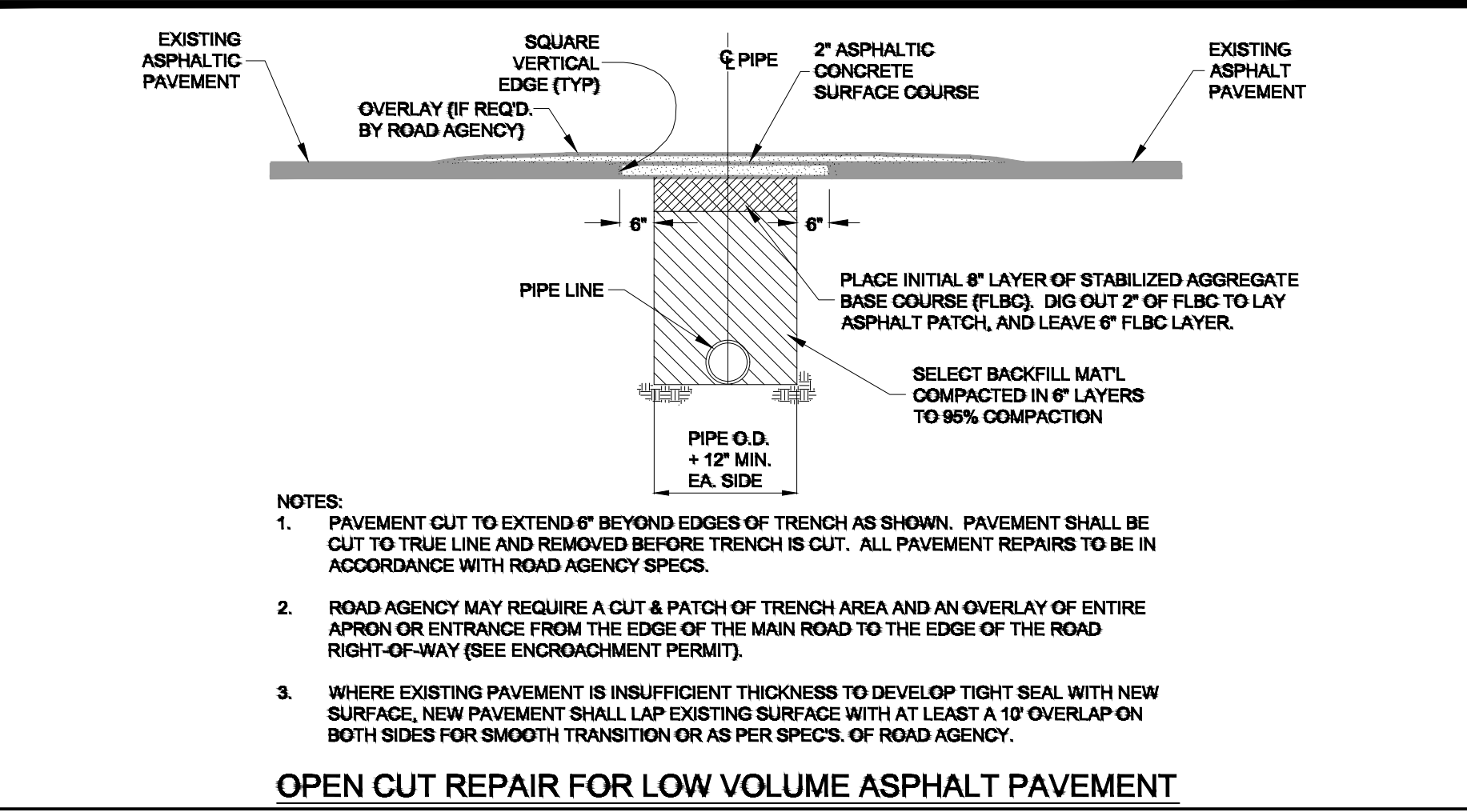
South Carolina Department of Health and Environmental Control
Type E
SURFACE COURSE CURB INLET FILTERS
SC-10 PAGE 2 of 2
STANDARD DRAWING NO. FEBRUARY 2014
GENERAL NOTES DATE:



DOUBLE ROW SILT FENCE N.T.S.



PROPOSED PRECAST CONCRETE UTILITY CONFLICT BOX N.T.S.



OUTLET STABILIZATION STRUCTURE N.T.S.

4969 Centre Pointe Dr, Suite 200
North Charleston, SC 29418
843-740-7700

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Legend

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File Name: _____ Dwn. Chkd. Dgn. Y/M/DD

Permit-Seal

Client/Project
The City of Georgetown, SC
Queen Street Storm Drainage Improvements
Georgetown County, SC
Title
EROSION CONTROL AND DRAINAGE DETAILS
Project No. 178420970
Scale
Drawing No. _____ Sheet _____ Revision _____
C5 5 of 7 0

REFERENCES

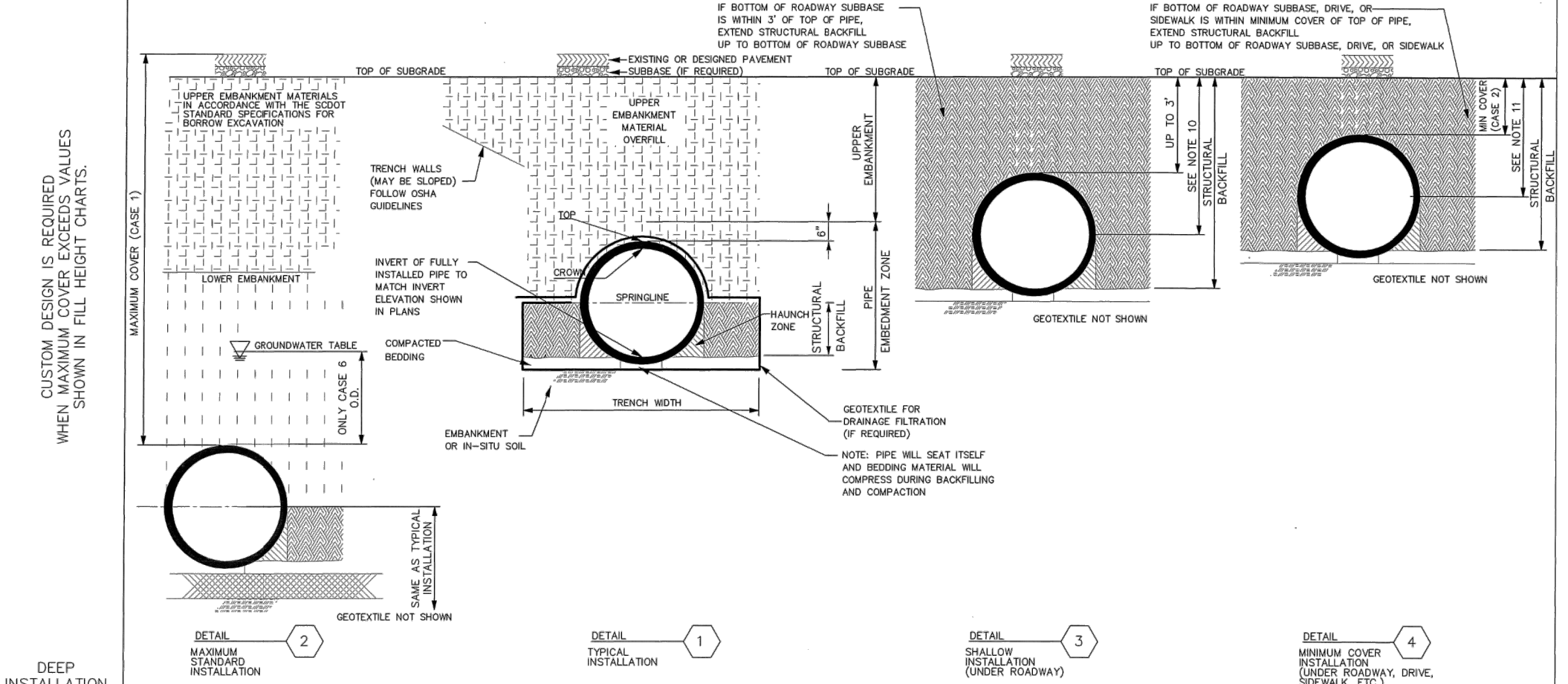
- NATIONAL DOCUMENTS
- SCDOT DOCUMENTS
- SC-74
- EDM 24
- INSTRUCTIONAL BULLETIN 200-1
- QUALIFIED PRODUCT LISTS 14, 69
- 714-105-00
- 714-105-01
- 714-225-00

THIS DRAWING IS ONLY VALID FOR CONSTRUCTION WHEN SEALED AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF SOUTH CAROLINA. CHECK WWW.SCDOT.GOV FOR LATEST UPDATE.

- SCDOT
- DESIGN STANDARDS OFFICE
- 955 PARK STREET
- ROOM 405
- COLUMBIA, SC 29201
- STANDARD DRAWING
- PIPE CULVERTS
- RIGID PIPE
- COMPLETED
- TRENCH
- (STANDARD FOUNDATION)

714-105-00
DATE: 10/22/2015

- NOTES:
- USE MATERIALS AND METHODS OF CONSTRUCTION FOR PERMANENT PIPE IN CONFORMANCE WITH SCDOT SUPPLEMENTAL SPECIFICATION SC-M-714.
 - SEE SHEET 714-225-01 FOR RCP FILL HEIGHT TABLES.
 - WHEN CONNECTING DISSIMILAR PIPE, USE DRAINAGE STRUCTURE OR DESIGN INTERFACE. DO NOT MIX PIPE TYPE, CLASS, OR DETAILS WITHIN A SINGLE RUN OF PIPE BETWEEN DRAINAGE STRUCTURES. SEE QUALIFIED PRODUCT LIST 14 FOR PRECAST REINFORCED CONCRETE STRUCTURES.
 - USE AT LEAST THE MINIMUM CLASS OR GAGE REQUIRED TO CARRY THE FILL HEIGHT AS SPECIFIED IN THE STANDARD DRAWING FILL HEIGHT TABLE. WHEN PIPE CLASS IS SPECIFIED IN THE PLANS, CONFORM THAT THE SPECIFIED CLASS CAN CARRY THE INSTALLED MAXIMUM COVER BEFORE BACKFILLING THE PIPE. IF INSTALLED GRADES VARY FROM THOSE SHOWN IN THE PLANS, CONFIRM THAT PIPE CLASS IS SUFFICIENT TO CARRY THE INSTALLED FILL HEIGHTS. DO NOT REDUCE THE PIPE CLASS BELOW THE CLASS SHOWN IN THE PLANS UNLESS DIRECTED BY THE ENGINEER.
 - USE WRAP, BEVELED ENDS, REINFORCED CONCRETE SLAB, WINDWALLS, OR END TREATMENT AS DESCRIBED IN THE PLANS, SCDOT SUPPLEMENTAL SPECIFICATION SC-M-714, OR SCDOT STANDARD DRAWINGS.
 - PIPE EMBEDMENT ZONE BACKFILL MUST MEET OR EXCEED THE MINIMUM MATERIAL AND COMPACTION REQUIREMENTS OF THE ROADWAY EMBANKMENT FOR THE SPECIFIED BURIAL DEPTH WITHOUT DAMAGING THE PIPE.
 - FOR SHALLOW INSTALLATIONS (PAVEMENT OR MINIMUM COVER), INSTALL PIPE EMBEDMENT ZONE MATERIAL TO PREVENT SETTLEMENT AROUND THE PIPE. IF REQUIRED, USE STRUCTURAL BACKFILL MATERIAL OR CLUM TO PREVENT THIS SETTLEMENT.
 - USE THIS INSTALLATION ONLY IN LOCATIONS ABOVE GROUNDWATER TABLE. USE THIS INSTALLATION IN LOCATIONS WHERE PIPE SYSTEM IS NOT SUBJECTED TO PRESSURE HEAD.
 - FOR DETAILS 1 & 2, INSTALL STRUCTURAL BACKFILL AS SHOWN, AND USE BORROW EXCAVATION REQUIREMENTS FOR SOIL ABOVE PIPE EMBEDMENT ZONE.
 - FOR DETAIL 3, EXTEND STRUCTURAL BACKFILL AS SHOWN FROM SPRINGLINE OF PIPE TO BOTTOM OF SUBBASE WHEN UNDER ROADWAY PAVEMENT (INCLUDING PAVED SHOULDERS). USE DETAIL 2 INSTALLATION WHEN NOT UNDER ROADWAY PAVEMENT.
 - FOR DETAIL 4, EXTEND STRUCTURAL BACKFILL AS SHOWN FROM SPRINGLINE OF PIPE TO BOTTOM OF SUBBASE WHEN UNDER ANY PAVEMENT OR SIDEWALK.



STANDARD TRENCH TERMINOLOGY
(COMPLETED RIGID PIPE INSTALLATION)

REFERENCES

- NATIONAL DOCUMENTS
- SCDOT DOCUMENTS
- SC-74
- EDM 24
- INSTRUCTIONAL BULLETIN 200-1
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719-105-01
DATE: 10/22/2015

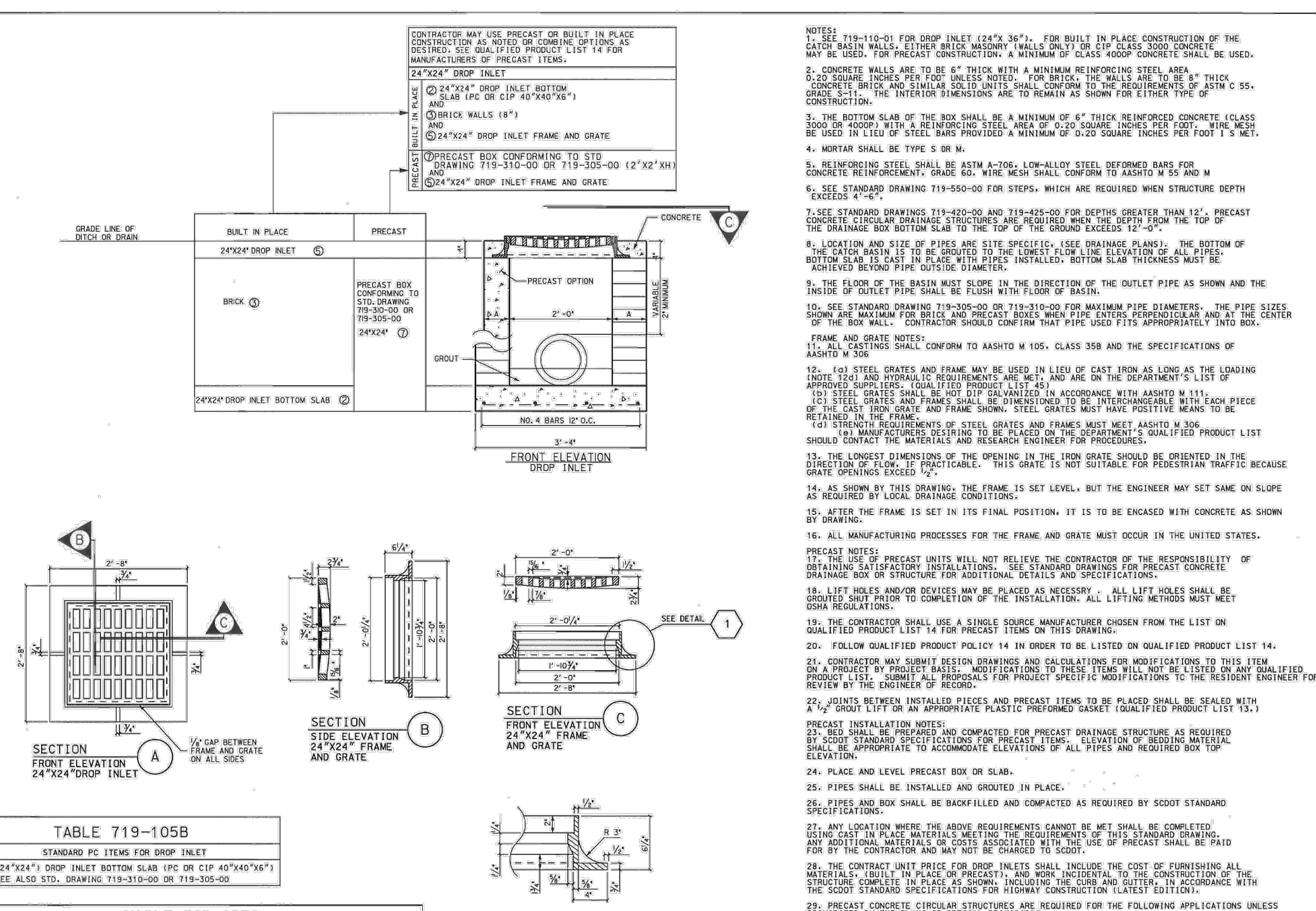


TABLE 719-105B
TABLE 719-105A

Tideflex

CheckMate® Configurations and Custom Designs

CHECKMATE® VALVE
Designed for Inline Service

Elliptical, Arch and Rectangular Pipes
Elliptical, arch and rectangular pipes for drainage and flood prevention projects have become popular, particularly in high water table areas with shallow surface gradients. CheckMate® inline Check Valves are the perfect solution for backflow prevention in elliptical, arch and rectangular pipes.

Rubber Flanged
Rubber Flanged CheckMate® Valves can be manufactured with an integral rubber upstream or downstream flange. The flanged CheckMate® gets inserted into the host pipe then can be bolted to a mating flange or anchored to a concrete headwall. The flange can be circular with standard drilling, or circular, square or rectangular with custom flange drilling. The valve is supplied with retaining rings for mounting.

Thimble Inserts
A CheckMate® Thimble Insert is a CheckMate® Valve that is factory-installed, clamped, and pinned into flanged or plain end pipe. The thimble insert assembly can either be inserted into the I.D. of the host pipe, or can be mounted to a mating flange or concrete headwall and extend beyond the pipe. Plain end thimble inserts are inserted into the host pipe and non-shrink grout is placed between the thimble insert O.D. and host pipe I.D. to form the seal.

NOMINAL PIPE SIZE I.D.	OVERALL LENGTH		NUMBER OF CLAMPS	CUFF DEPTH	BACK PRESSURE RATING*	WEIGHT
	Inches	Millimeters				
3	7.5	5.1	130	1	1.5	38
4	10.0	7.9	201	1	1.5	38
5	12.5	9.5	241	1	1.5	38
6	15.0	11.0	279	1	2.0	51
8	20.0	15.0	386	1	2.0	51
9	22.5	16.4	391	1	2.0	51
10	25.0	18.1	409	1	2.0	51
12	30.0	19.8	503	1	2.0	51
16	39.0	25.8	656	1	4.0	102
18	45.0	29.6	729	1	4.0	102
20	50.0	31.0	787	1	4.0	102
24	60.0	37.1	969	2	8.0	203
30	75.0	44.1	1169	2	8.0	203
36	90.0	51.2	1382	2	8.0	203
42	105.0	58.3	1609	2	8.0	203
48	120.0	65.4	1847	2	8.0	203
54	135.0	72.5	2105	2	8.0	203
60	150.0	79.6	2383	2	8.0	203
72	180.0	95.7	3023	3	12.0	305
78	195.0	111.8	3323	3	12.0	305

*Back pressure measured from pipe invert. Higher back pressure ratings available. Consult factory.

CHECKMATE ULTRAFLEX INLINE CHECK VALVES
N.T.S.

PRECAST ITEMS TABLE 719-310A

APPROXIMATE BOX LENGTH	MINIMUM BOX WIDTH	MAXIMUM BOX HEIGHT	APPROXIMATE MAX. HOLE SIZE
12"	12"	12"	12"
18"	18"	18"	18"
24"	24"	24"	24"
30"	30"	30"	30"
36"	36"	36"	36"
42"	42"	42"	42"
48"	48"	48"	48"
54"	54"	54"	54"
60"	60"	60"	60"
66"	66"	66"	66"
72"	72"	72"	72"
78"	78"	78"	78"
84"	84"	84"	84"
90"	90"	90"	90"
96"	96"	96"	96"
102"	102"	102"	102"
108"	108"	108"	108"
114"	114"	114"	114"
120"	120"	120"	120"

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Legend

Notes

Revision

03 ADDENDUM #1
02 BID SET
01 SCDOT PERMIT SUBMITTAL

Permit-Seal

Client/Project
The City of Georgetown, SC
Queen Street Storm Drainage Improvements

Georgetown County, SC

Title
EROSION CONTROL AND DRAINAGE DETAILS

Project No. Scale
178420970

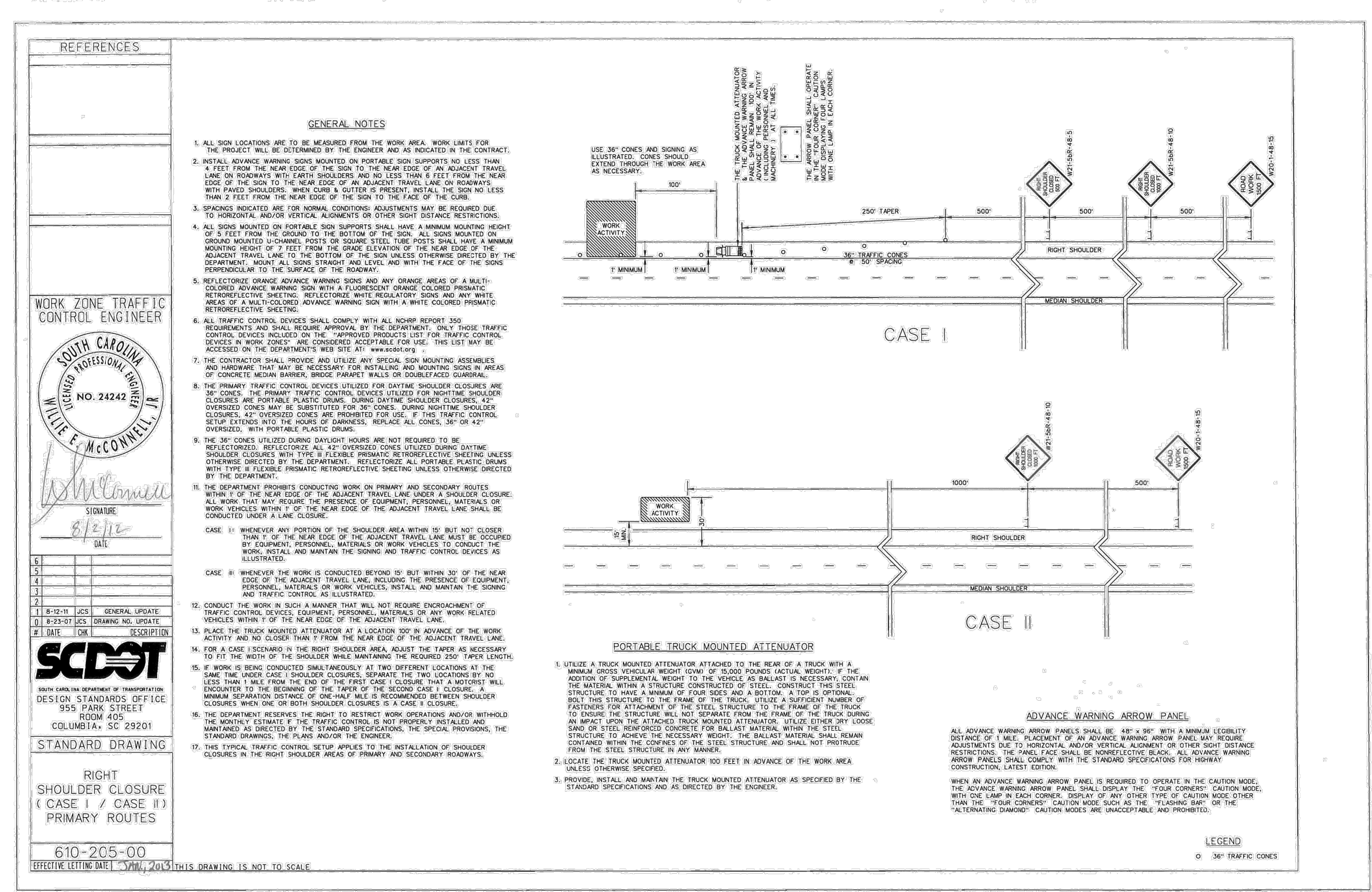
Drawing No. Sheet Revision
C6 6 of 7 0

Professional Engineer Seal for James W. Keady, No. 22800, State of South Carolina, dated 03/27/2020.



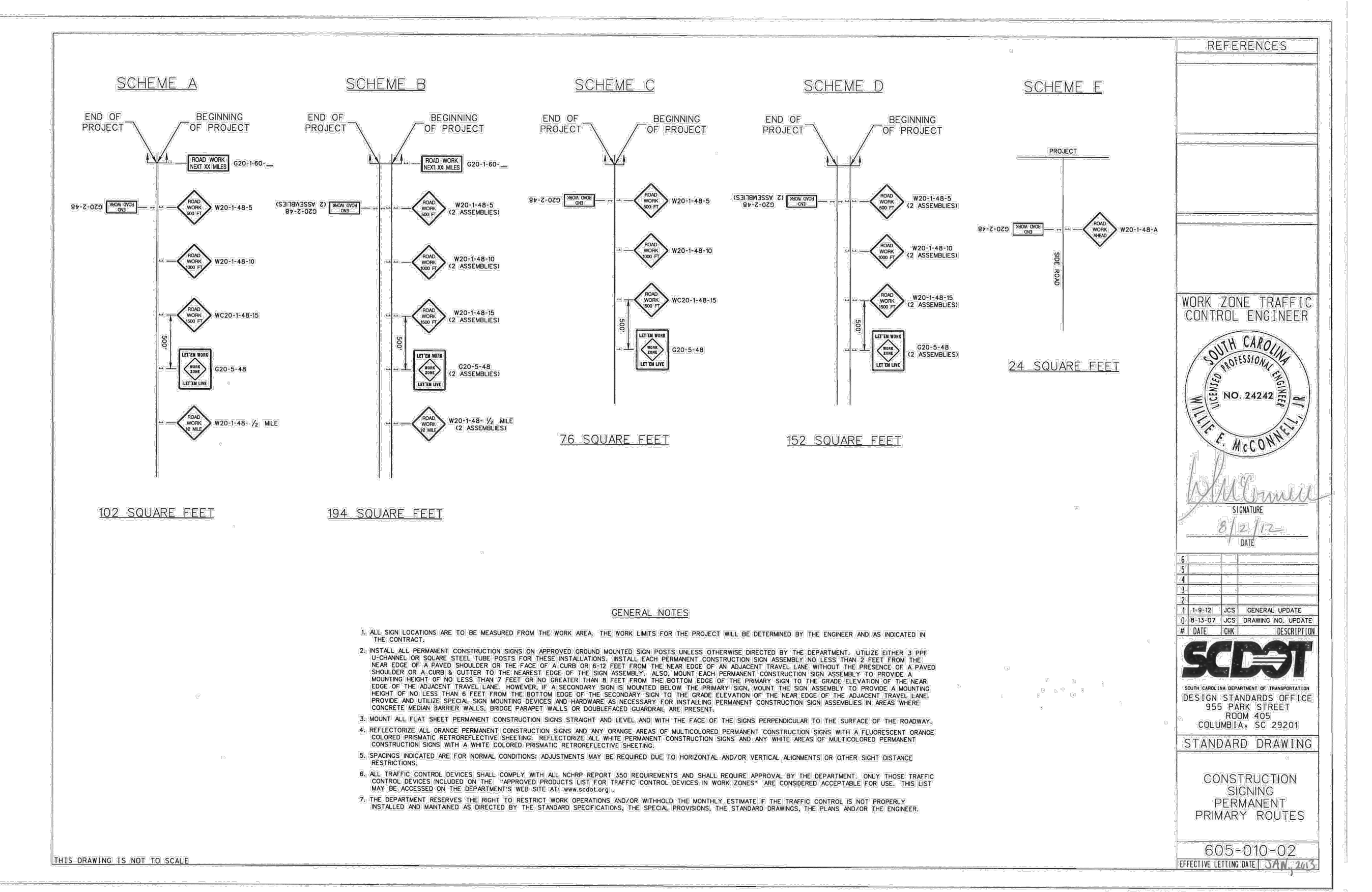
Copyright Reserved
The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay.

Legend
1. REFLECTORIZED ORANGE ADVANCE WARNING SIGNS AND ANY CHANGE AREAS OF A MULTI-COLORED ADVANCE WARNING SIGN WITH A FLUORESCENT ORANGE COLORED PRISMATIC RETROREFLECTIVE SHEETING...



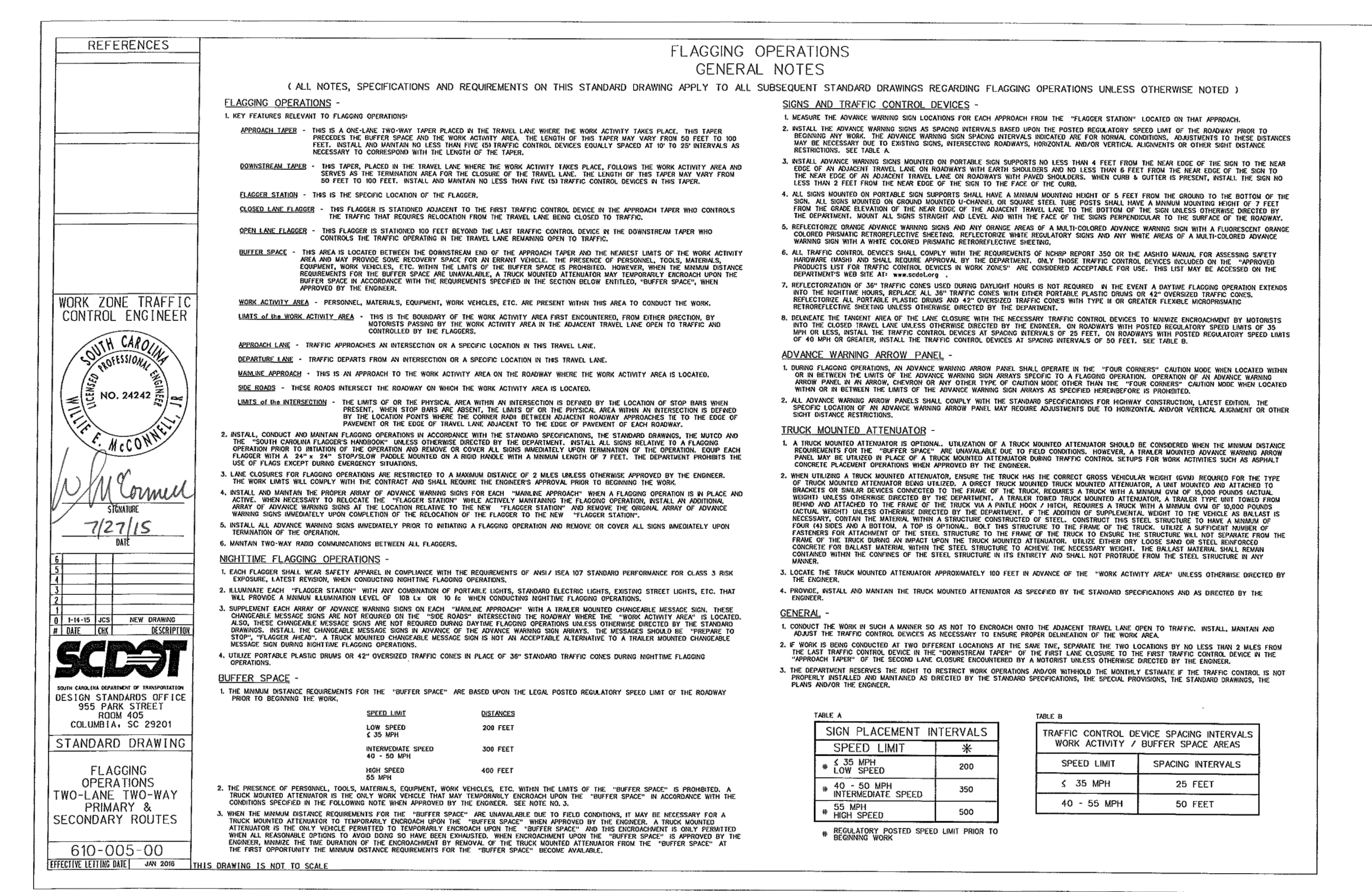
GENERAL NOTES
1. ALL SIGN LOCATIONS ARE TO BE MEASURED FROM THE WORK AREA. WORK LIMITS FOR THE PROJECT WILL BE DETERMINED BY THE ENGINEER AND AS INDICATED IN THE CONTRACT.

RIGHT SHOULDER CLOSURE (CASE I / CASE II) PRIMARY ROUTES
610-205-00
EFFECTIVE SETTING DATE: 08/12/12



GENERAL NOTES
1. ALL SIGN LOCATIONS ARE TO BE MEASURED FROM THE WORK AREA. WORK LIMITS FOR THE PROJECT WILL BE DETERMINED BY THE ENGINEER AND AS INDICATED IN THE CONTRACT.

STANDARD DRAWING
CONSTRUCTION SIGNING PERMANENT PRIMARY ROUTES
605-010-02
EFFECTIVE SETTING DATE: 08/12/12



STANDARD DRAWING
FLAGGING OPERATIONS PRIMARY & SECONDARY ROUTES
610-005-00
EFFECTIVE SETTING DATE: JAN 2008

Table with columns: Revision, Description, Date, By, Appd. Includes entries for 03 ADDENDUM #1, 02 BID SET, and 01 SCDSC PERMIT SUBMITTAL.

Permit-Seal
Client/Project: The City of Georgetown, SC
Queen Street Storm Drainage Improvements

Table with columns: Title, Project No., Drawing No., Scale, Sheet, Revision. Includes project details for Queen Street Storm Drainage Improvements.