

SITE DEVELOPMENT PLANS OF 184 BLUFFTON

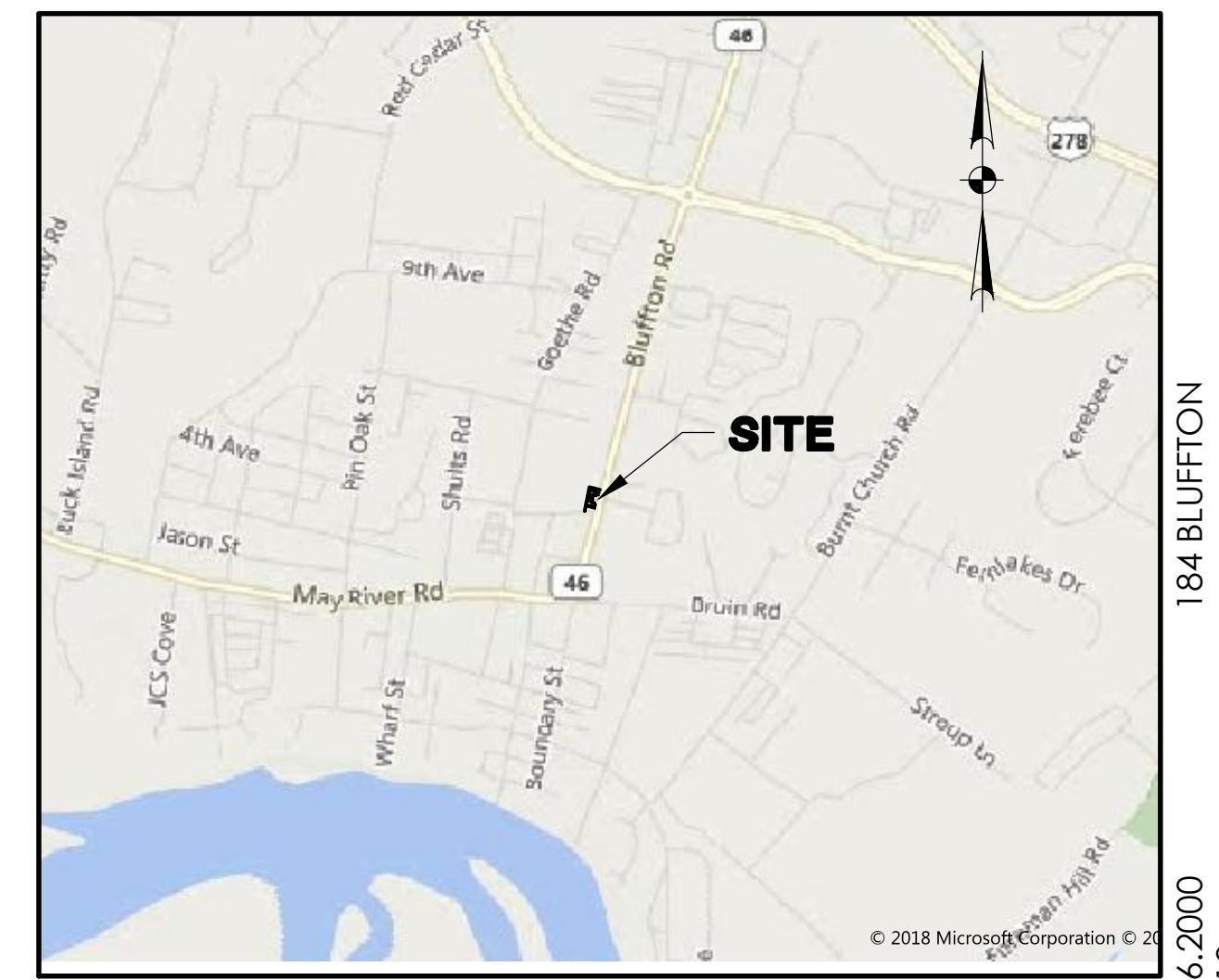
BLUFFTON, SOUTH CAROLINA

PREPARED FOR:
TOWN OF BLUFFTON
20 BRIDGE STREET
BLUFFTON, SC 29910

TM# R610-039-000-049B-0000

NOVEMBER 1, 2018
LATEST REVISION: JANUARY 10, 2019
J-26436.2000

PREPARED BY:



VICINITY MAP
SCALE: 1" = 2000'

J-26436.2000
11/01/18

BID SET - NOT FOR CONSTRUCTION

Sheet List Table

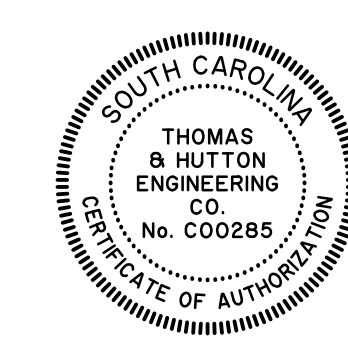
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C2.2	WATER DETAILS

REVISION HISTORY

REV. NO.	REVISION	BY	DATE

SUBMITTAL HISTORY

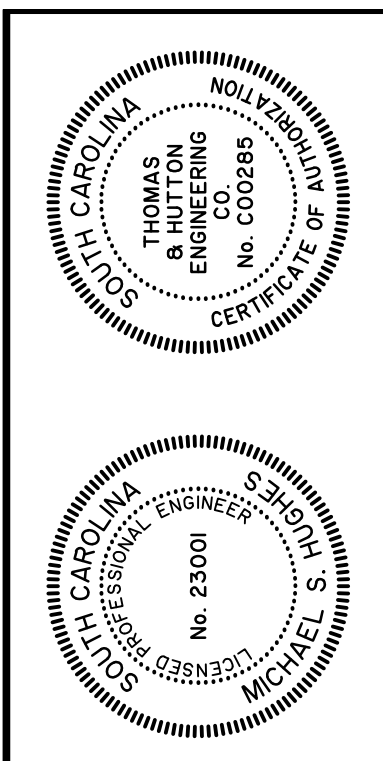
SUBMITTED TO	DATE



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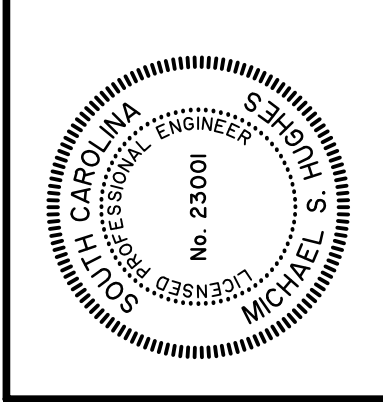
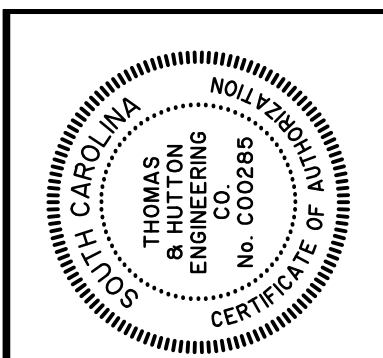
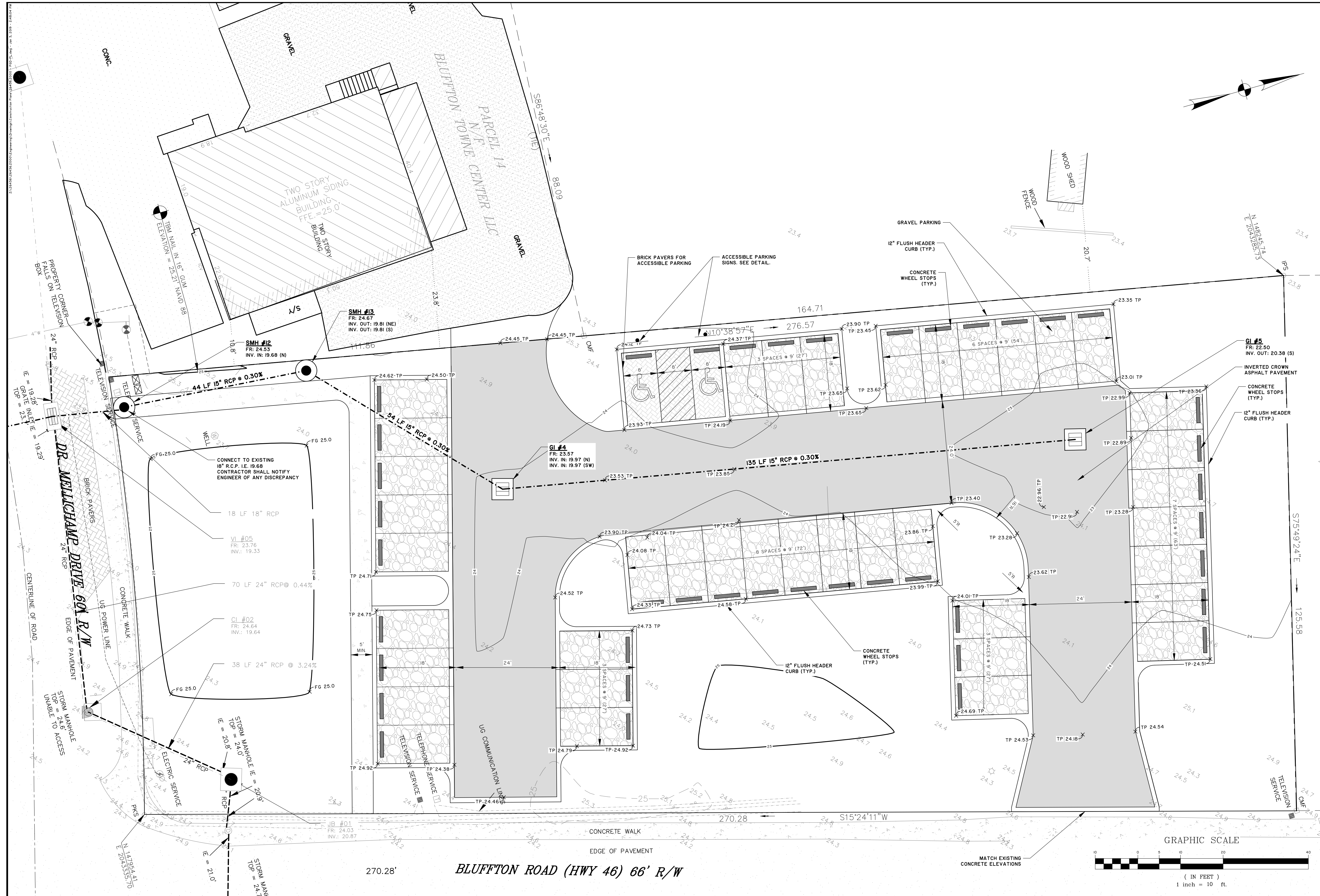
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TOWN OF BLUFFTON
 BLUFFTON, SOUTH CAROLINA
 184 BLUFFTON
EXISTING CONDITIONS - DEMOLITION PLAN

JOB NO: J-26436.2000
 DATE: 11/01/18
 DRAWN:
 DESIGNED:
 REVIEWED:
 APPROVED:
 SCALE: 1" = 10'

EX1.1

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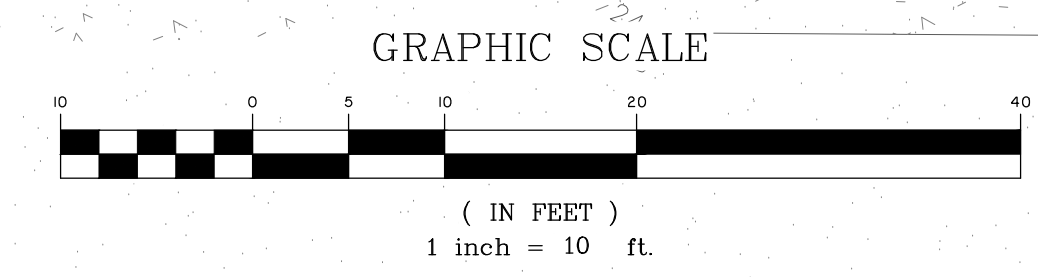
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TOWN OF BLUFFTON
 BLUFFTON, SOUTH CAROLINA
 184 BLUFFTON
PAVING GRADING AND DRAINAGE PLAN

JOB NO:	J-26436.2000
DATE:	11/01/18
DRAWN:	
DESIGNED:	
REVIEWED:	
APPROVED:	
SCALE:	1" = 10'

C1.1

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BLUFFTON ROAD (HWY 46) 66' R/W

DR. WELLS DRIVE 60' R/W

PARCEL 14
 N/E
 BLUFFTON TOWNE CENTER LLC

TWO STORY
 ALUMINUM SIDING
 BUILDING
 FFE = 25.0'

SMH #12
 FR: 24.53
 INV. IN: 19.68 (N)

SMH #13
 FR: 24.67
 INV. OUT: 19.81 (NE)
 INV. OUT: 19.81 (S)

GI #4
 FR: 23.57
 INV. IN: 19.97 (N)
 INV. IN: 19.97 (SW)

GI #5
 FR: 22.50
 INV. OUT: 20.38 (S)

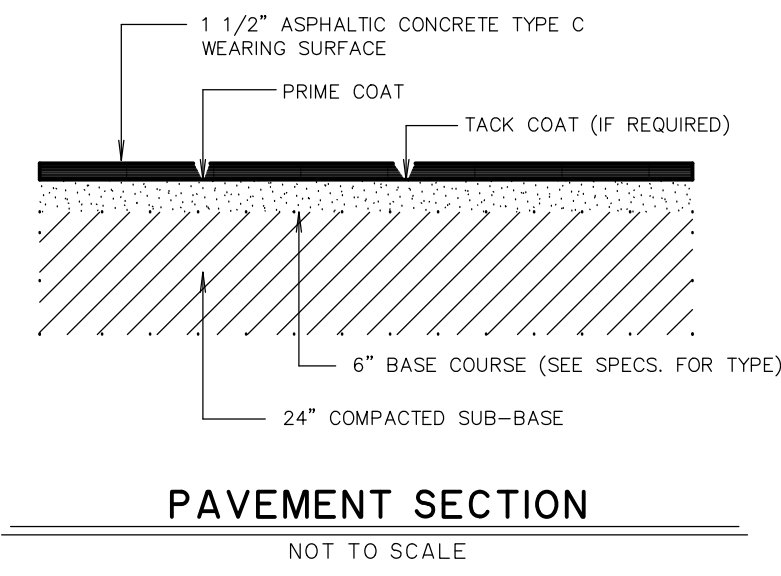
VI #05
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 INV.: 19.33

CL #02
 FR: 24.64
 INV.: 19.64

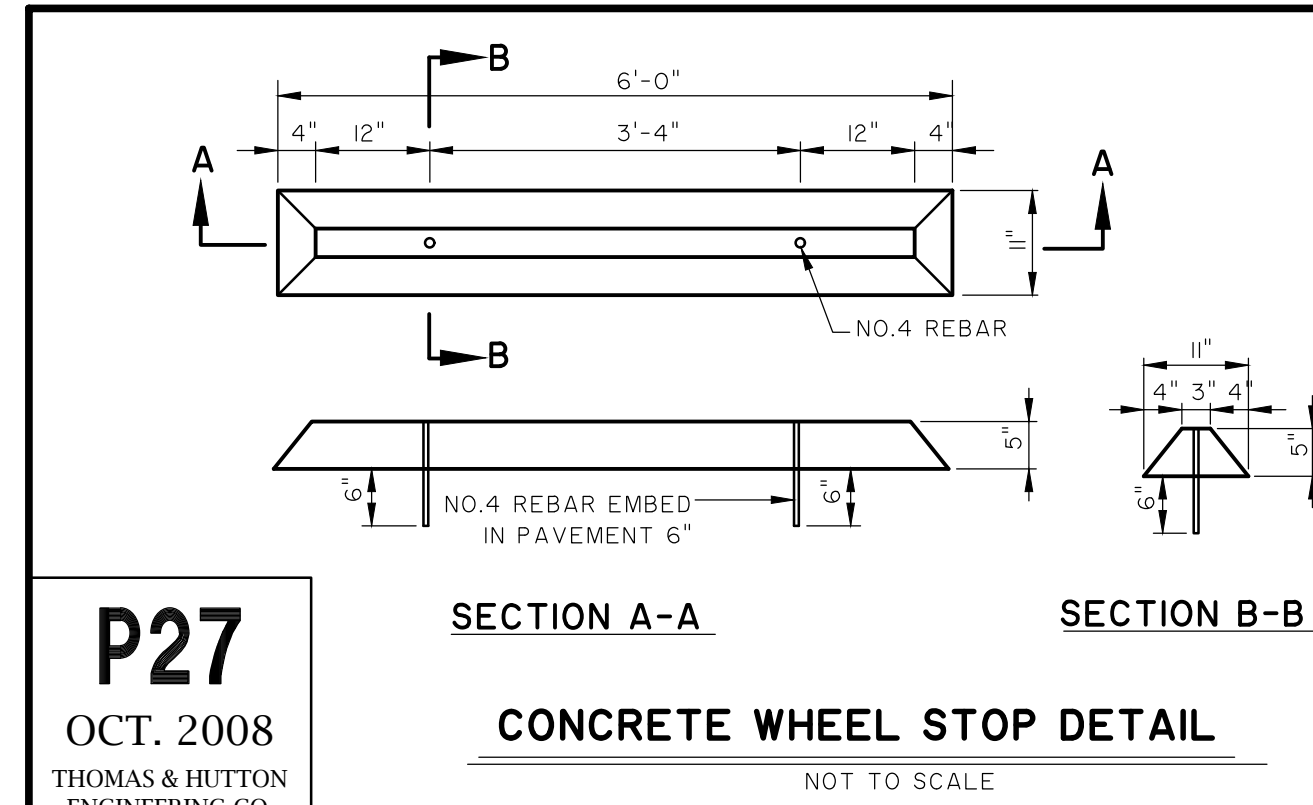
JB #01
 FR: 24.03
 INV.: 20.87

GRAPHIC SCALE

(IN FEET)
 1 inch = 10 ft.

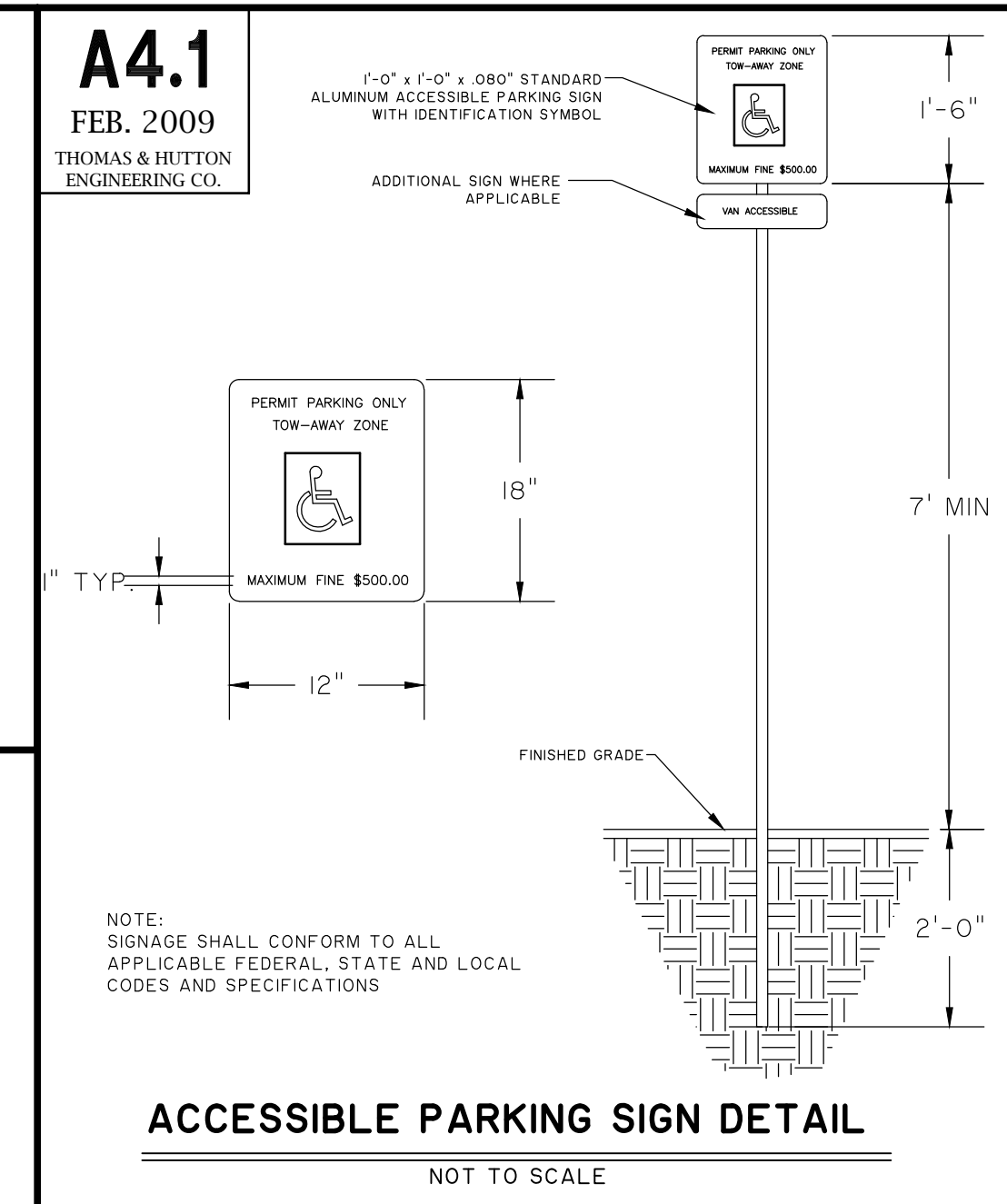


PAVEMENT SECTION
NOT TO SCALE



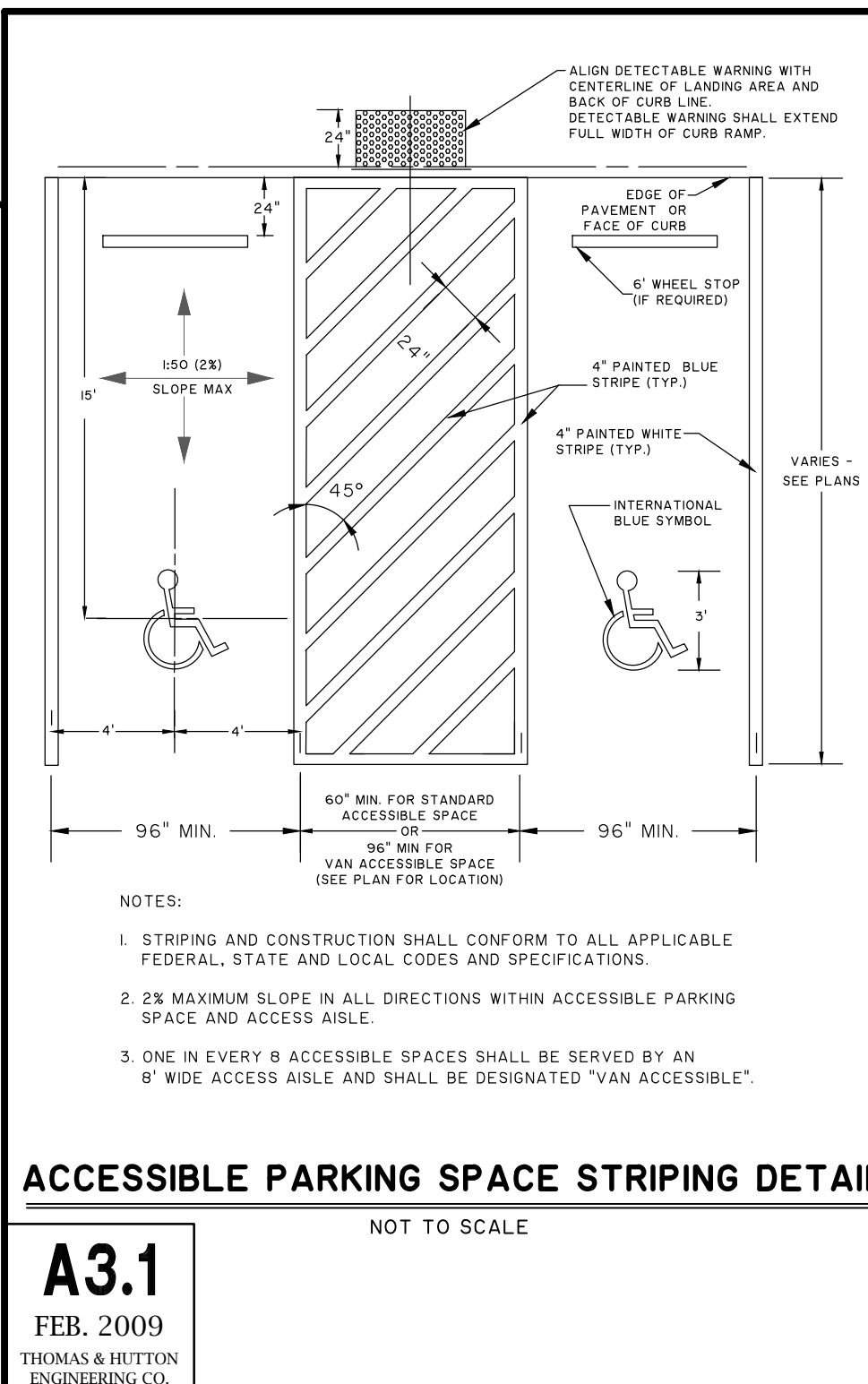
P27
OCT. 2008
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SECTION A-A
SECTION B-B
CONCRETE WHEEL STOP DETAIL
NOT TO SCALE



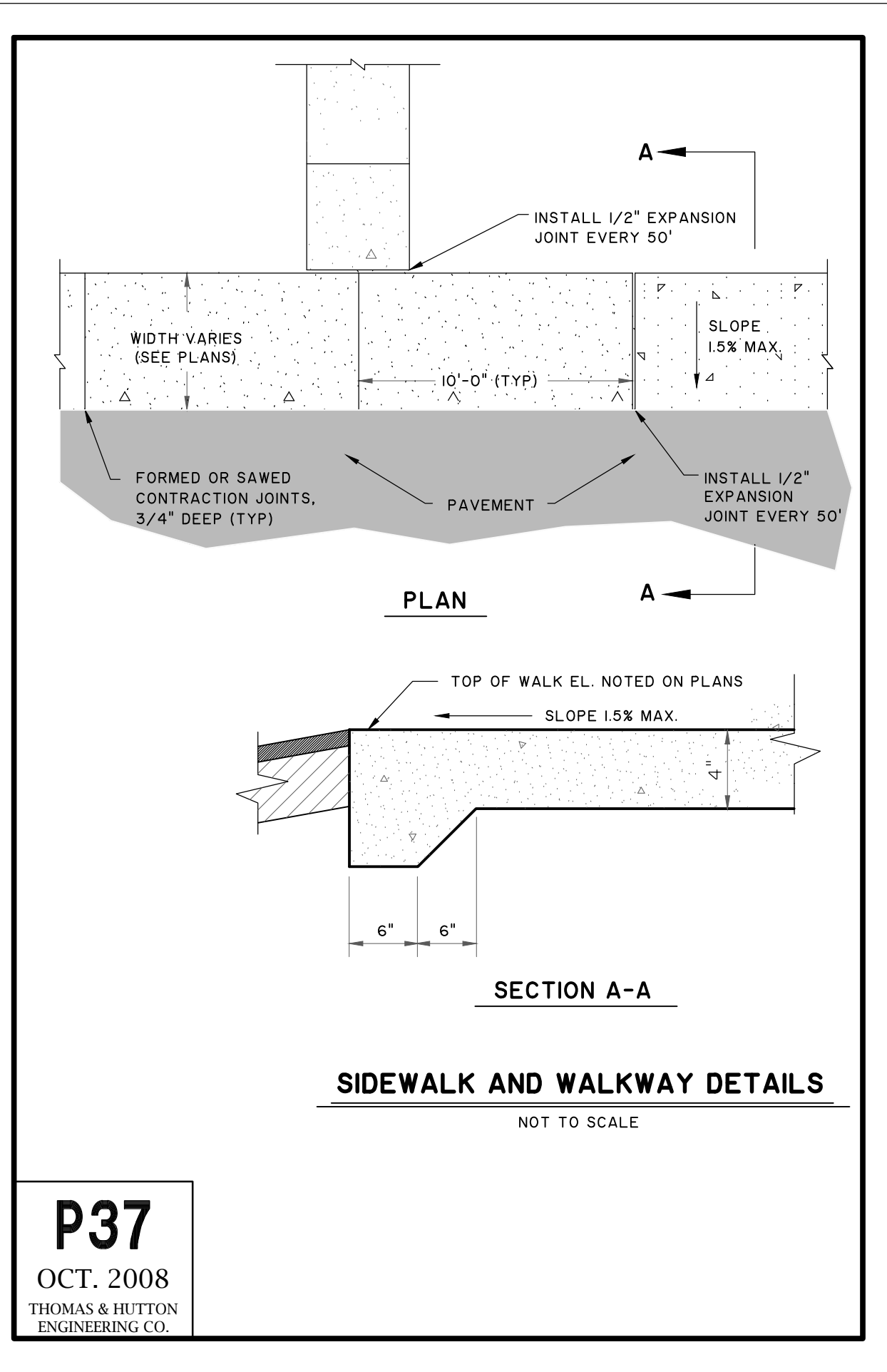
A4.1
FEB. 2009
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ACCESSIBLE PARKING SIGN DETAIL
NOT TO SCALE



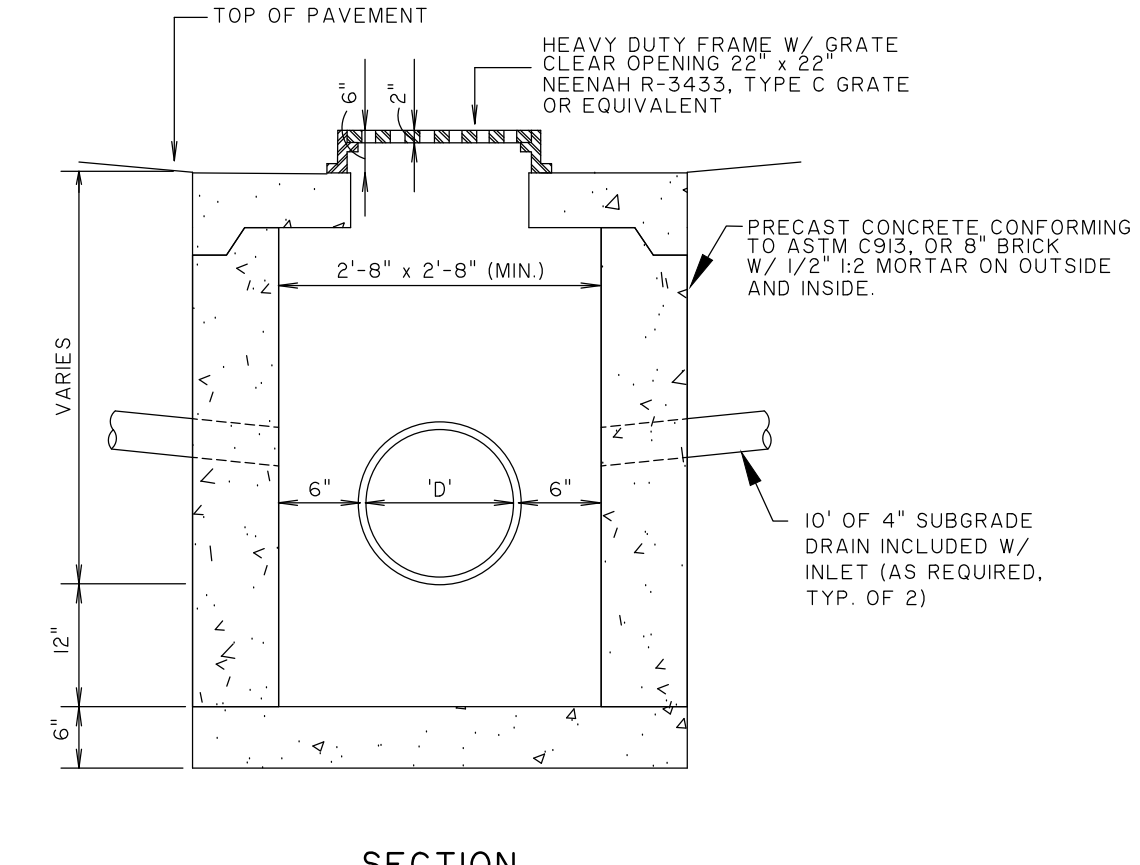
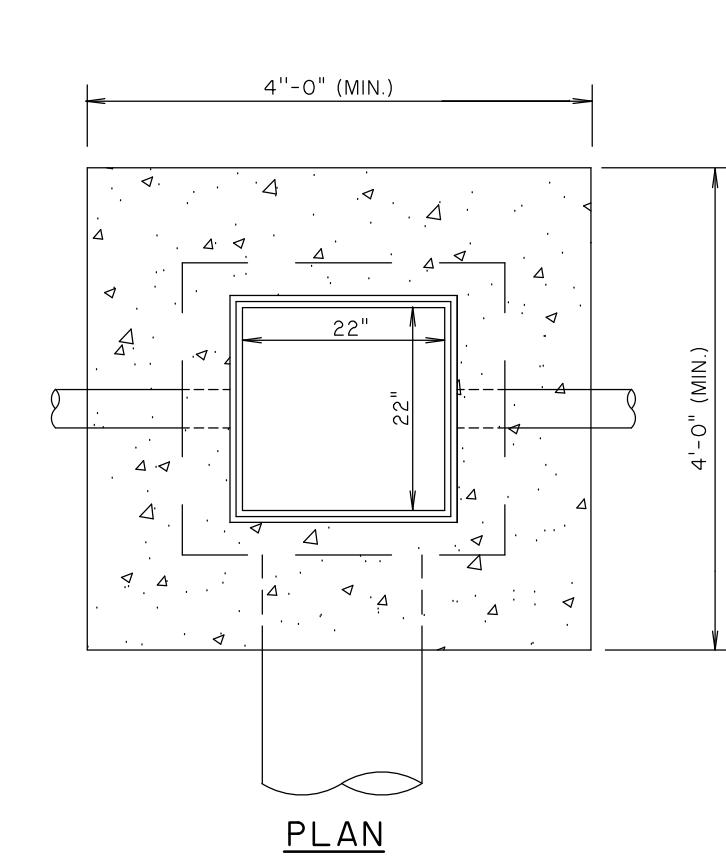
ACCESSIBLE PARKING SPACE STRIPING DETAIL
NOT TO SCALE

A3.1
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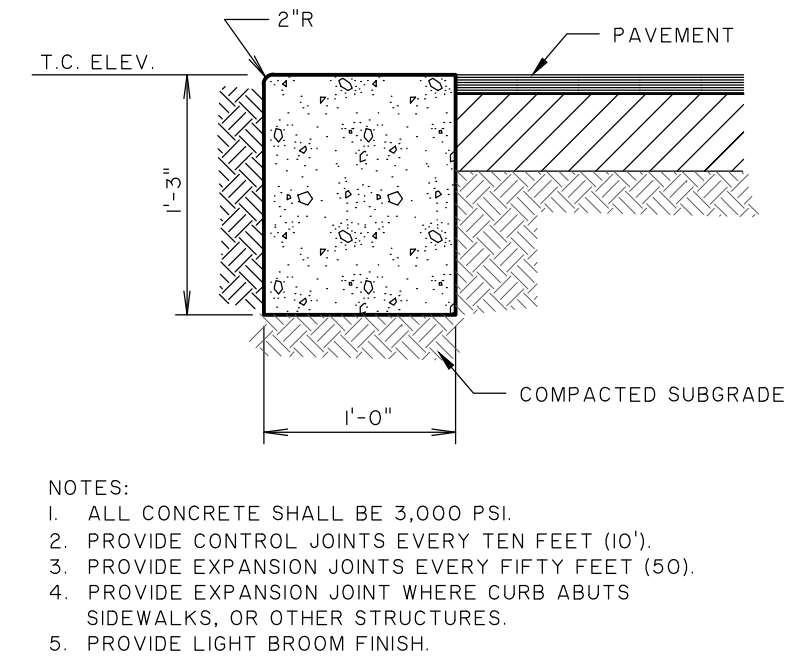


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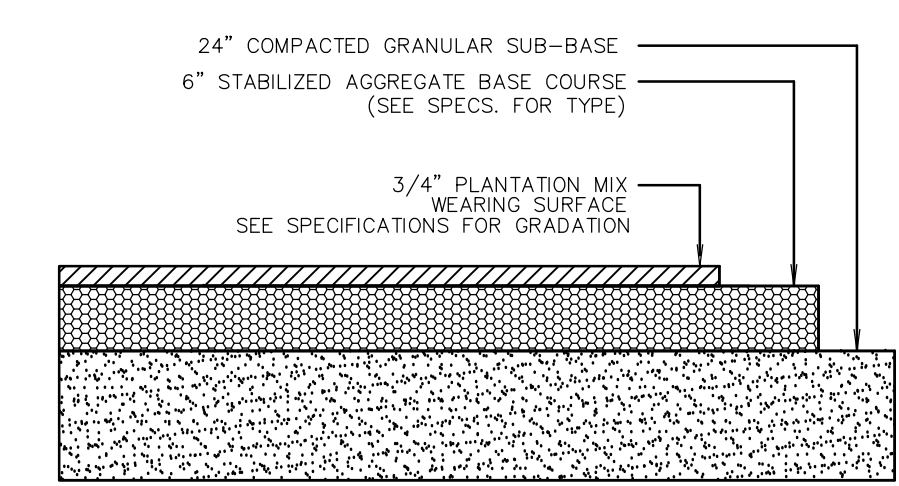
SIDEWALK AND WALKWAY DETAILS
NOT TO SCALE



STANDARD INLET - GRATE TYPE
NOT TO SCALE

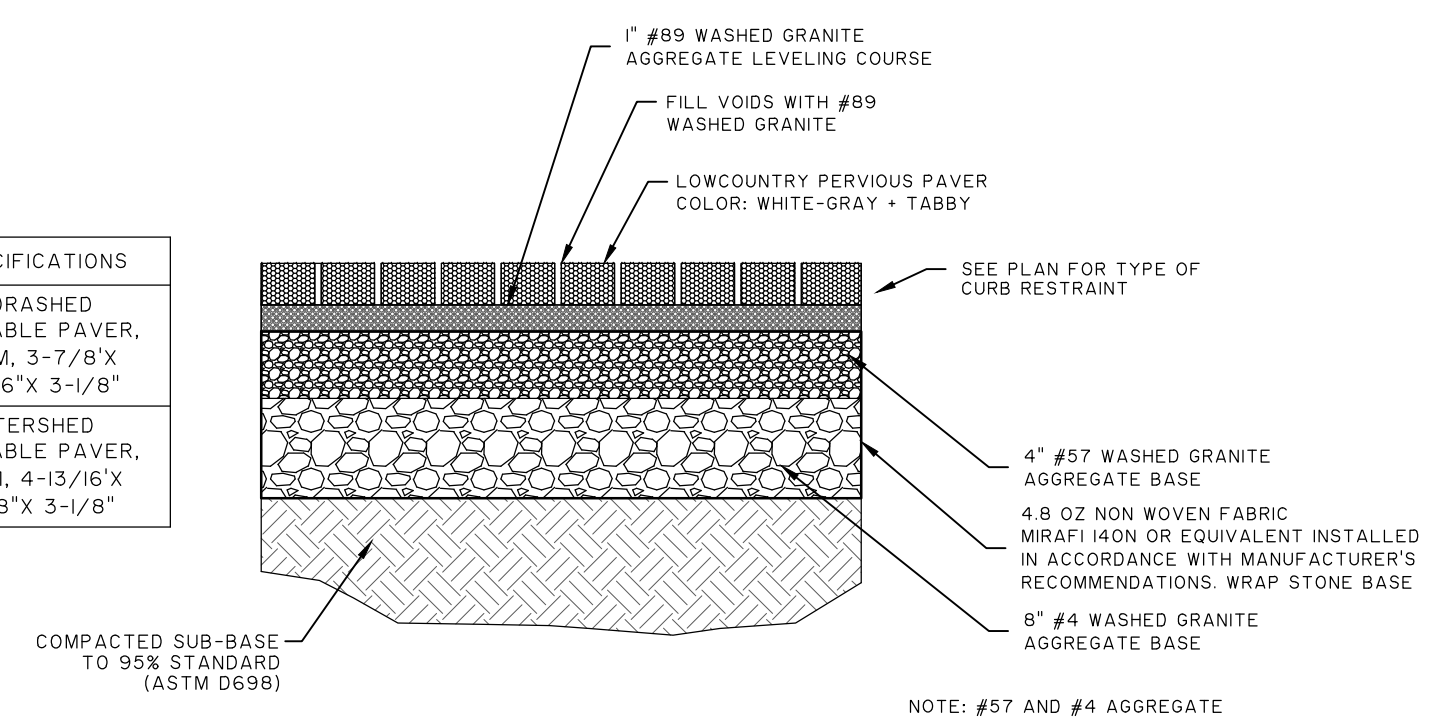


FLUSH HEADER CURB
NOT TO SCALE

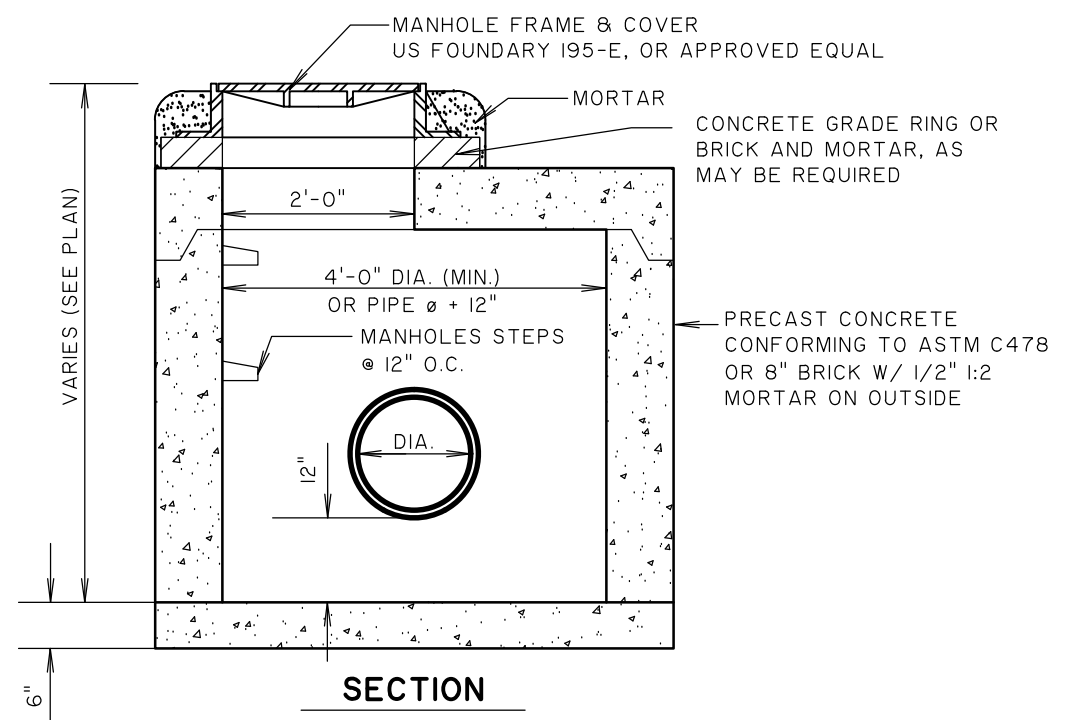
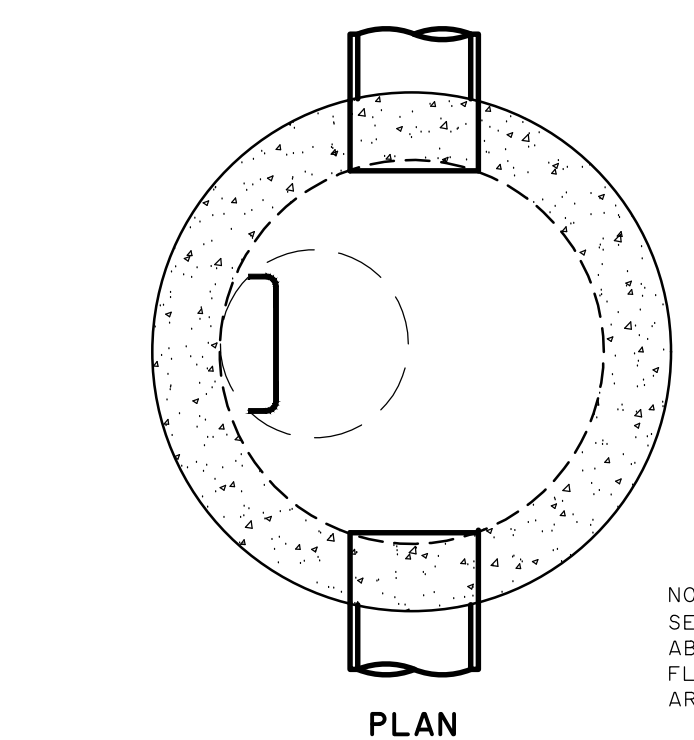


GRAVEL PAVEMENT SECTION
NOT TO SCALE

PERVIOUS PARKING PAVER SPECIFICATIONS	
ADA PARKING AREAS	HYDRASHED PERMEABLE PAVER, 80 MM, 3-7/8" X 7-13/16" X 3-1/8"
ALL OTHER PARKING AREAS	WATERSHED PERMEABLE PAVER, 80 MM, 4-13/16" X 9-7/8" X 3-1/8"



PERVIOUS PARKING SECTION
NOT TO SCALE



STORM MANHOLE
NOT TO SCALE

Professional Engineer Seal for Thomas & Hutton Engineering Co., No. 23001, State of North Carolina.

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TOWN OF BLUFFTON
BLUFFTON, SOUTH CAROLINA

184 BLUFFTON

PAVING GRADING AND DRAINAGE DETAILS

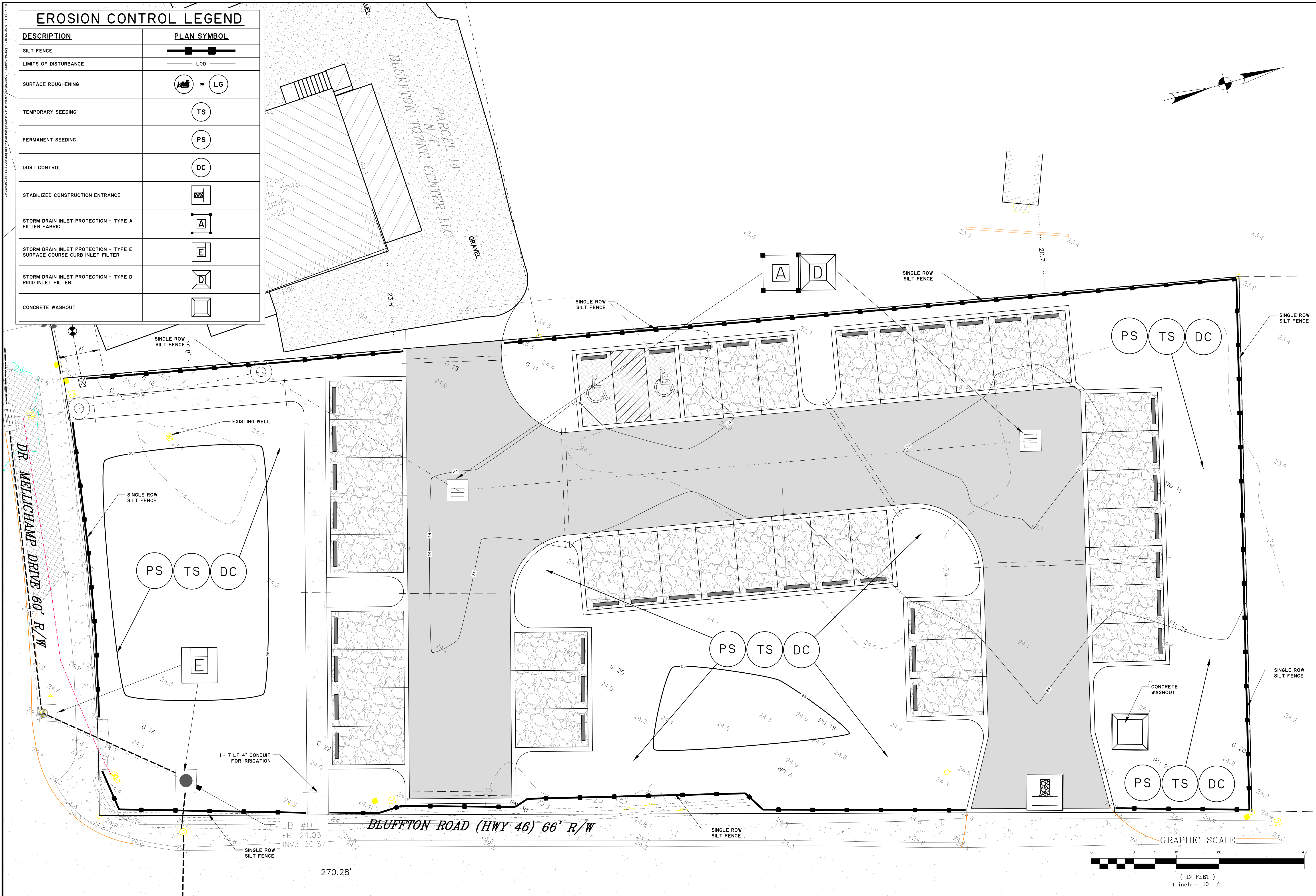
JOB NO: J-26436.2000
DATE: 11/01/18
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DESIGNED: TMV
REVIEWED: JPM
APPROVED: MSH
SCALE: NTS

C1.2

BID SET - NOT FOR CONSTRUCTION

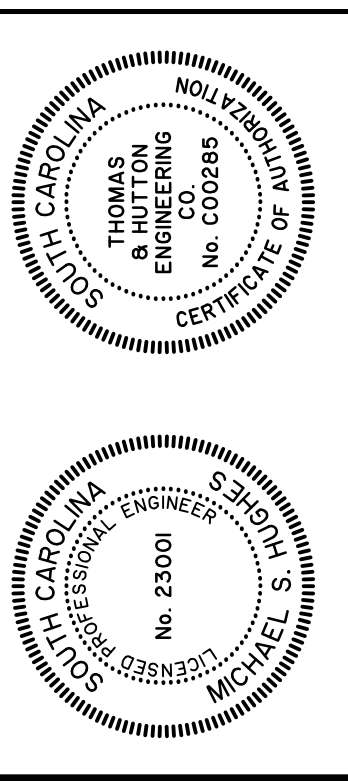
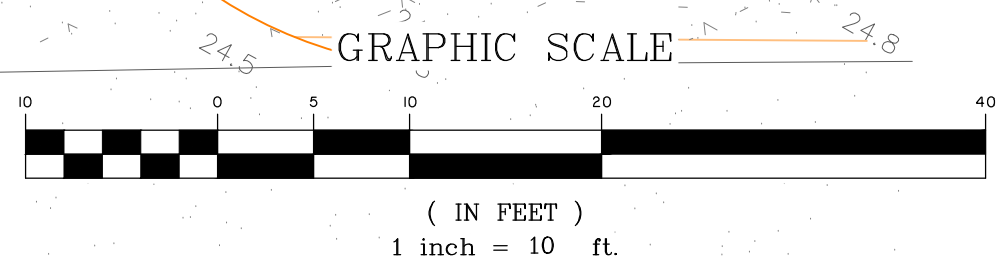
EROSION CONTROL LEGEND

DESCRIPTION	PLAN SYMBOL
SILT FENCE	
LIMITS OF DISTURBANCE	LOD
SURFACE ROUGHENING	or LG
TEMPORARY SEEDING	TS
PERMANENT SEEDING	PS
DUST CONTROL	DC
STABILIZED CONSTRUCTION ENTRANCE	
STORM DRAIN INLET PROTECTION - TYPE A FILTER FABRIC	
STORM DRAIN INLET PROTECTION - TYPE E SURFACE COURSE CURB INLET FILTER	
STORM DRAIN INLET PROTECTION - TYPE D RIGID INLET FILTER	
CONCRETE WASHOUT	



JB #01
FR: 24.03
INV.: 20.87

BLUFFTON ROAD (HWY 46) 66' R/W



NO.	REVISIONS	BY	DATE

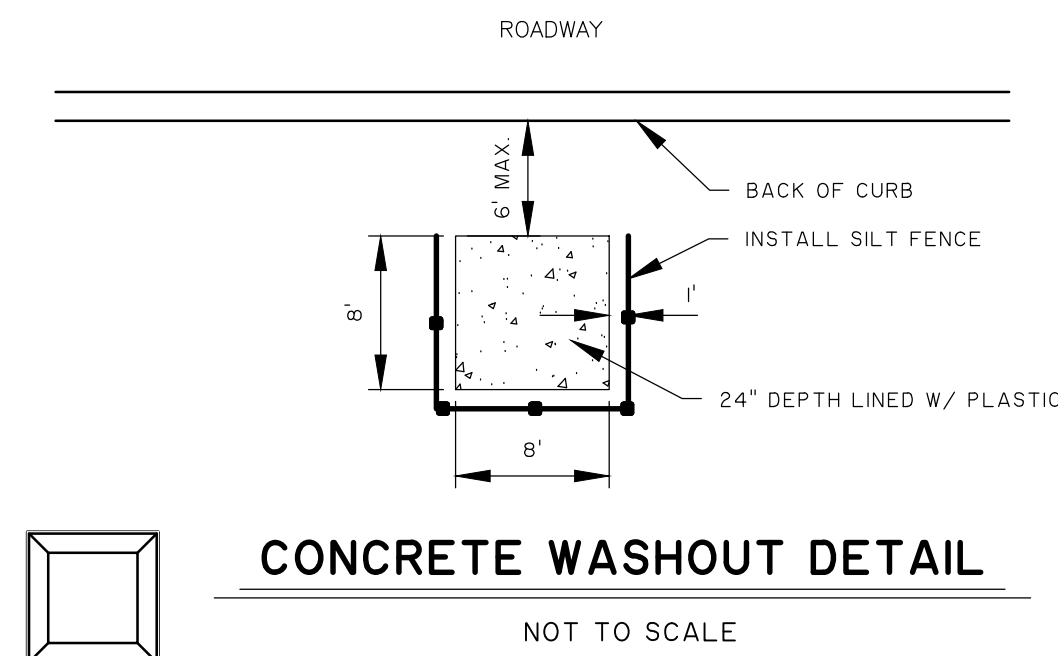
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TOWN OF BLUFFTON
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 184 BLUFFTON
 EC&PC PLAN

JOB NO:	J-26436.2000
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DRAWN:	TMV
DESIGNED:	TMV
REVIEWED:	JPM
APPROVED:	MSH
SCALE:	1" = 10'

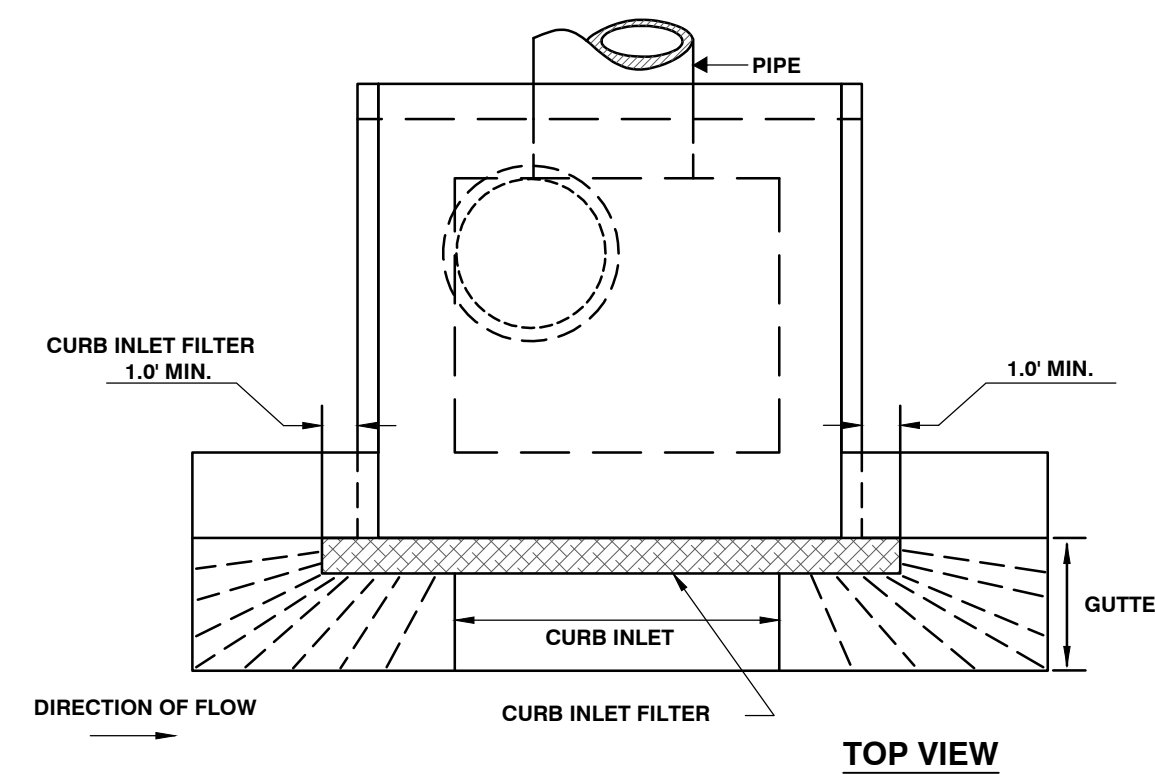
EC2.1

BID SET - NOT FOR CONSTRUCTION



CONCRETE WASHOUT DETAIL

NOT TO SCALE



TOP VIEW

GENERAL NOTES:

USE ONLY 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.

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.

SURFACE COURSE INLET FILTERS SHOULD BE CONSTRUCTED WITH A SYNTHETIC MATERIAL THAT WILL ALLOW STORMWATER TO FREELY FLOW THROUGH WHILE TRAPPING SEDIMENT AND DEBRIS.

STRAW, STRAW FIBER, STRAW BALES, PINE NEEDLES AND LEAF MULCH ARE NOT PERMISSIBLE FOR FILTER MATERIALS.

EACH FILTER SHOULD HAVE AGGREGATE COMPARTMENTS FOR STONE, SAND, AND OTHER WEIGHTED MATERIALS OR MECHANISMS TO HOLD THE 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.

USE ONLY TYPE E INLET FILTERS APPEARING ON SC DOT'S QUALIFIED PRODUCTS LIST (QLP), APPROVAL SHEET #58, OR FILTERS MEETING THE MOST CURRENT EDITION OF THE SC DOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

INSPECTION AND MAINTENANCE:
THE KEY TO FUNCTIONAL INLET PROTECTION IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR SEDIMENT REMOVAL.

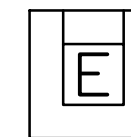
REGULAR INSPECTIONS OF ALL INLET PROTECTION SHALL BE CONDUCTED ONCE EVERY CALENDAR WEEK AND, AS RECOMMENDED, WITHIN 24-HOURS AFTER EACH RAINFALL EVENT THAT PRODUCES 1/2-INCH OR MORE OF PRECIPITATION.

ATTENTION TO SEDIMENT ACCUMULATIONS IN FRONT OF THE INLET PROTECTION IS EXTREMELY IMPORTANT. ACCUMULATED SEDIMENT SHOULD BE CONTINUALLY MONITORED AND REMOVED WHEN NECESSARY.

REMOVE ACCUMULATED SEDIMENT WHEN SILT AND/OR DEBRIS HAS BUILT UP AROUND THE FILTER PREVENTING STORMWATER TO FLOW THROUGH THE FILTER.

REMOVED SEDIMENT SHALL BE PLACED IN STOCKPILE STORAGE AREAS OR SPREAD THINLY ACROSS DISTURBED AREA. STABILIZE THE REMOVED SEDIMENT AFTER IT IS RELOCATED.

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.



SURFACE COURSE CURB INLET FILTERS (TYPE E)

NOT TO SCALE

WHEN AND WHERE TO USE IT:
SILT FENCE IS APPLICABLE IN AREAS:

WHERE THE MAXIMUM SHEET OR OVERLAND FLOW PATH LENGTH TO THE FENCE IS 100-FEET, WHERE THE MAXIMUM SLOPE STEEPNESS (NORMAL, [PERPENDICULAR] TO FENCE LINE) IS 2H:1V, THAT DO NOT RECEIVE CONCENTRATED FLOWS GREATER THAN 0.5 CFS.

DO NOT PLACE SILT FENCE ACROSS CHANNELS OR USE IT AS A VELOCITY CONTROL BMP.

MATERIALS:

STEEL POSTS
USE 48-INCH LONG STEEL POSTS THAT MEET THE FOLLOWING MINIMUM PHYSICAL REQUIREMENTS:
COMPOSED OF HIGH STRENGTH STEEL WITH MINIMUM YIELD STRENGTH OF 50,000 PSI.
HAVE A STANDARD "T" SECTION WITH A NOMINAL FACE WIDTH OF 1.38-INCHES AND NOMINAL "T" LENGTH OF 1.48-INCHES.
WEIGH 1.25 POUNDS PER FOOT (± 8%).
HAVE A SOIL STABILIZATION PLATE WITH A MINIMUM CROSS SECTION AREA OF 17-SQUARE INCHES ATTACHED TO THE STEEL POSTS.
PAINTED WITH A WATER BASED BAKED ENAMEL PAINT.

USE STEEL POSTS WITH A MINIMUM LENGTH OF 4-FEET, WEIGHING 1.25 POUNDS PER LINEAR FOOT (± 8%) WITH PROJECTIONS TO AID IN FASTENING THE FABRIC. EXCEPT WHEN HEAVY CLAY SOILS ARE PRESENT ON SITE, STEEL POSTS WILL HAVE A METAL SOIL STABILIZATION PLATE WELDED NEAR THE BOTTOM SUCH THAT WHEN THE POST IS DRIVEN TO THE PROPER DEPTH, THE PLATE WILL BE BELOW THE GROUND LEVEL FOR ADDED STABILITY.
THE SOIL PLATES SHOULD HAVE THE FOLLOWING CHARACTERISTICS:
BE COMPOSED OF MINIMUM 15 GAUGE STEEL.
HAVE A MINIMUM CROSS SECTION AREA OF 17-SQUARE INCHES.

GEOTEXTILE FILTER FABRIC:

FILTER FABRIC IS:
COMPOSED OF FIBERS CONSISTING OF LONG CHAIN SYNTHETIC POLYMERS COMPOSED OF AT LEAST 85% BY WEIGHT OF POLYOLEFINS, POLYESTERS, OR POLYAMIDES.
FORMED INTO A NETWORK SUCH THAT THE FILAMENTS OR YARNS RETAIN DIMENSIONAL STABILITY RELATIVE TO EACH OTHER.
FREE OF ANY TREATMENT OR COATING WHICH MIGHT ADVERSELY ALTER ITS PHYSICAL PROPERTIES AFTER INSTALLATION.
FREE OF DEFECTS OR FLAWS THAT SIGNIFICANTLY AFFECT ITS PHYSICAL AND/OR FILTERING PROPERTIES.
CUT TO A MINIMUM WIDTH OF 36 INCHES.

USE ONLY FABRIC APPEARING ON SCDOT APPROVAL SHEET #34 MEETING THE REQUIREMENTS OF THE MOST CURRENT EDITION OF THE SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

INSTALLATION:
EXCAVATE A TRENCH APPROXIMATELY 6-INCHES WIDE AND 6-INCHES DEEP WHEN PLACING FABRIC BY HAND. PLACE 12-INCHES OF GEOTEXTILE FABRIC INTO THE 6-INCH DEEP TRENCH, EXTENDING THE REMAINING 6-INCHES TOWARDS THE UPSLOPE SIDE OF THE TRENCH. BACKFILL THE TRENCH USING A SLICING METHOD. PURCHASE FABRIC IN CONTINUOUS ROLLS AND CUT TO THE LENGTH OF THE BARRIER TO AVOID JOINTS. WHEN JOINTS ARE

INSTALL POSTS TO A MINIMUM DEPTH OF 24-INCHES. INSTALL POSTS A MINIMUM OF 1- TO 2- INCHES ABOVE THE FABRIC, WITH NO MORE THAN 3- FEET OF THE POST ABOVE THE GROUND. SPACE POSTS TO MAXIMUM 6- FEET CENTERS. ATTACH FABRIC TO WOOD POSTS USING STAPLES MADE

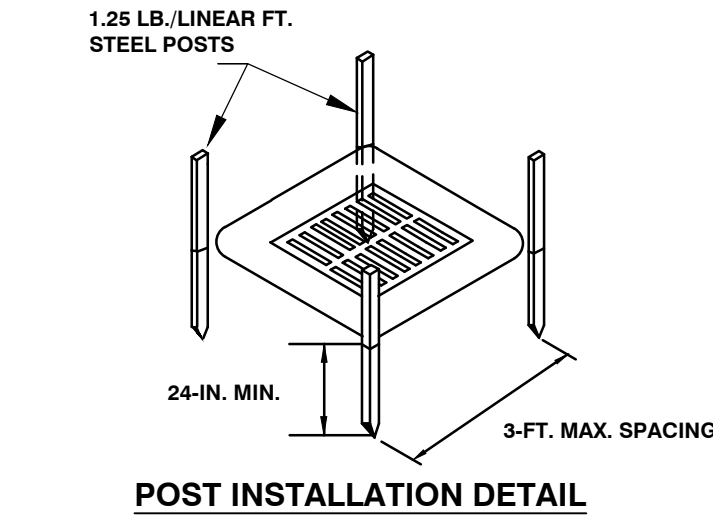
TO SECURELY FASTEN IT TO THE UPSLOPE SIDE OF WOODEN POSTS. ATTACH FABRIC TO THE STEEL POSTS USING HEAVY-DUTY PLASTIC TIES THAT ARE EVENLY SPACED AND PLACED IN A MANNER TO PREVENT SAGGING OR TEARING OF THE FABRIC. IN ALL CASES, TIES SHOULD BE AFFIXED IN NO LESS THAN 4 PLACES. INSTALL THE FABRIC A MINIMUM OF 24-INCHES ABOVE THE GROUND. WHEN NECESSARY, THE HEIGHT OF WILL BE TWICE THE EXPOSED POST HEIGHT. POST SPACING WILL REMAIN THE SAME AND EXTRA HEIGHT FABRIC WILL BE 4-, 5-, OR 6- FEET TALL.

CLEANOUT:

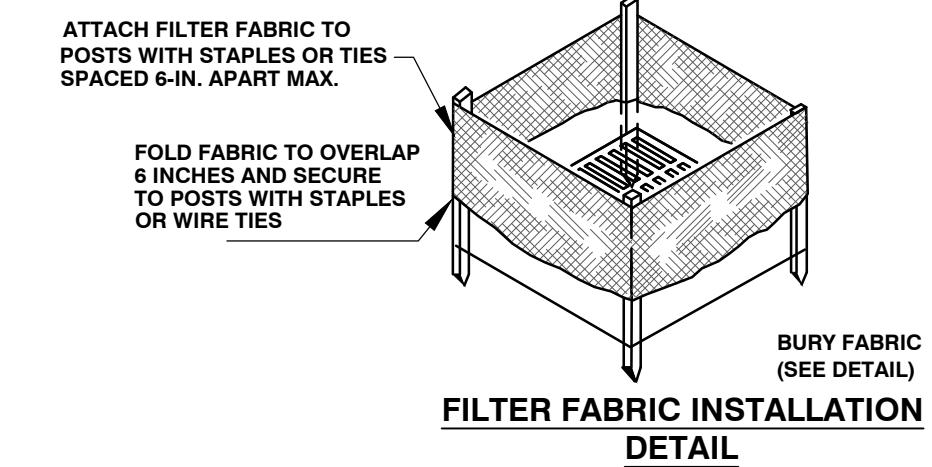
INSPECTION AND MAINTENANCE:
CHECK FOR SEDIMENT BUILDUP AND FENCE INTEGRITY. CHECK WHERE RUNOFF HAS ERODED A CHANNEL BENEATH THE FENCE, OR WHERE THE FENCE HAS SAGGED OR COLLAPSED BY FENCE OVERTOPPING. IF THE FENCE FABRIC TEARS, BEGINS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE SECTION OF FENCE IMMEDIATELY. REMOVE SEDIMENT ACCUMULATED ALONG THE FENCE WHEN IT REACHES 1/3 THE HEIGHT OF THE FENCE, ESPECIALLY IF HEAVY RAINS ARE EXPECTED. REMOVE TRAPPED SEDIMENT FROM THE SITE OR STABILIZE IT ON SITE. REMOVE SILT FENCE WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED OR AFTER TEMPORARY BEST MANAGEMENT PRACTICES (BMPs) ARE NO LONGER NEEDED. PERMANENTLY STABILIZE DISTURBED AREAS RESULTING FROM FENCE REMOVAL.

SILT FENCE

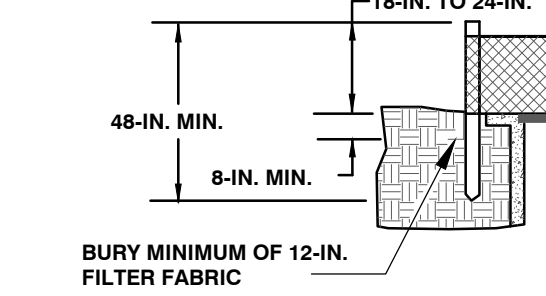
NOT TO SCALE



POST INSTALLATION DETAIL



FILTER FABRIC INSTALLATION DETAIL



FILTER FABRIC BURIAL DETAIL

MATERIALS:

USE FILTER FABRIC THAT CONFORMS TO SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (LATEST EDITION).

USE STEEL POSTS THAT MEET THE FOLLOWING MINIMUM PHYSICAL REQUIREMENTS:
BE COMPOSED OF HIGH STRENGTH STEEL WITH MINIMUM YIELD STRENGTH OF 50,000 PSI.
HAVE A STANDARD "T" SECTION WITH A NOMINAL FACE WIDTH OF 1.38-INCHES AND NOMINAL "T" LENGTH OF 1.48-INCHES.
WEIGH 1.25 POUNDS PER FOOT (± 8%).
BE PAINTED WITH A WATER BASED BAKED ENAMEL PAINT.

INSTALLATION:

EXCAVATE A TRENCH 6-INCHES WIDE AND 6-INCHES DEEP AROUND THE OUTSIDE PERIMETER OF THE INLET UNLESS THE FABRIC IS PNEUMATICALLY INSTALLED. EXTEND THE FILTER FABRIC A MINIMUM OF 12-INCHES INTO THE TRENCH. BACKFILL THE TRENCH WITH SOIL OR CRUSHED STONE AND COMPACT OVER THE FILTER FABRIC UNLESS THE FABRIC IS PNEUMATICALLY INSTALLED.

USE STEEL POSTS WITH A MINIMUM POST LENGTH OF 60-INCHES CONSISTING OF STANDARD "T" SECTIONS WITH A WEIGHT OF 1.25 POUNDS PER FOOT (± 8%). INSTALL THE FILTER FABRIC TO A MINIMUM HEIGHT OF 24-INCHES ABOVE GRADE. SPACE THE STEEL POSTS AROUND THE PERIMETER OF THE INLET A MAXIMUM OF 3- FEET APART AND DRIVE THEM INTO THE GROUND A MINIMUM OF 24-INCHES. CUT THE FILTER FABRIC FROM A CONTINUOUS ROLL TO THE LENGTH OF THE PROTECTED AREA TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, WRAP FILTER FABRIC TOGETHER ONLY AT A SUPPORT POST WITH BOTH ENDS SECURELY FASTENED TO THE POST, WITH A MINIMUM 6-INCH OVERLAP.

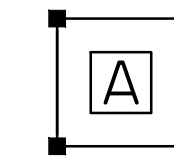
ATTACH FABRIC TO STEEL POSTS WITH HEAVY-DUTY PLASTIC TIES.

ATTACH AT LEAST FOUR (4) EVENLY SPACED TIES IN A MANNER TO PREVENT SAGGING OR TEARING OF THE FABRIC. IN ALL CASES, AFFIX TIES IN NO LESS THAN FOUR (4) PLACES.

INSPECTION AND MAINTENANCE:

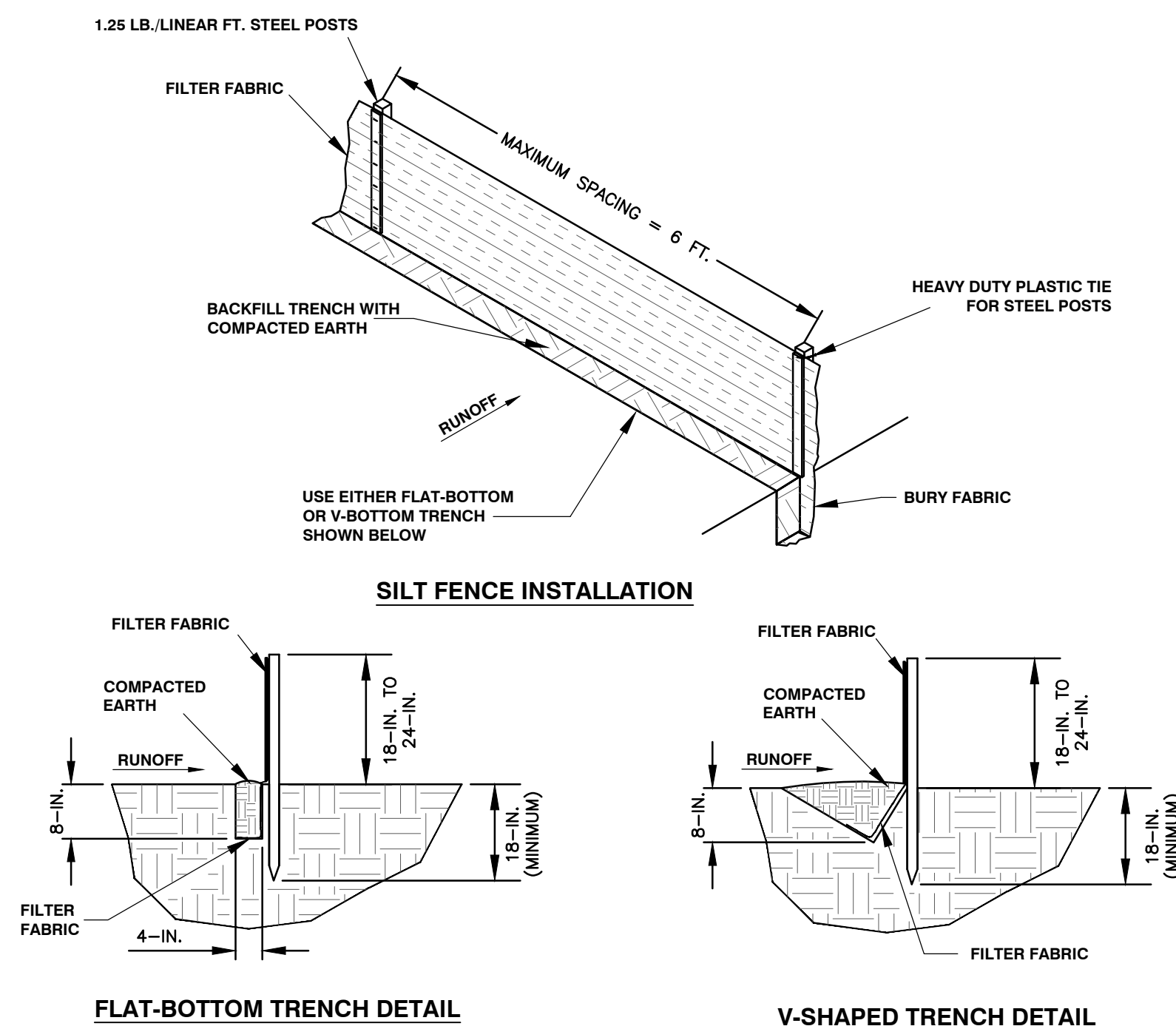
SEDIMENT SHOULD BE REMOVED WHEN IT REACHES APPROXIMATELY 1/3 THE HEIGHT OF THE FENCE. TAKE CARE NOT TO DAMAGE OR UNDERCUT FABRIC WHEN REMOVING SEDIMENT. IF A SUMP IS USED, SEDIMENT SHOULD BE REMOVED WHEN IT FILLS APPROXIMATELY 1/3 THE DEPTH OF THE HOLE. MAINTAIN THE POOL AREA, ALWAYS PROVIDING ADEQUATE SEDIMENT STORAGE VOLUME FOR THE NEXT STORM.

STORM DRAIN INLET PROTECTION STRUCTURES SHOULD BE REMOVED ONLY 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. USE APPROPRIATE STABILIZATION METHODS TO STABILIZE BARE AREAS AROUND THE INLET.



FILTER FABRIC INLET PROTECTION (TYPE A)

NOT TO SCALE



SILT FENCE INSTALLATION

FLAT-BOTTOM TRENCH DETAIL

V-SHAPED TRENCH DETAIL

MATERIALS:

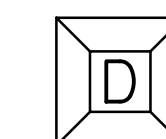
- RIGID INLET FILTERS EXHIBIT THE FOLLOWING PROPERTIES:
- COMPOSED OF A GEOTEXTILE FABRIC CONNECTED TO A RIGID STRUCTURE. THE GEOTEXTILE FABRIC IS NONBIODEGRADABLE AND RESISTANT TO DEGRADATION BY ULTRAVIOLET EXPOSURE AND RESISTANT TO CONTAMINANTS COMMONLY ENCOUNTERED IN STORM WATER.
 - USE A RIGID STRUCTURE COMPOSED OF HIGH MOLECULAR WEIGHT, HIGH-DENSITY POLYETHYLENE COPOLYMER WITH A UV INHIBITOR. DO NOT USE STRUCTURES THAT ARE NOT REUSABLE AND RECYCLABLE.
 - USE A FILTER FABRIC CONSTRUCTED OF 100% CONTINUOUS POLYESTER NON-WOVEN ENGINEERING FABRIC. THE FILTER FABRIC IS FABRICATED TO PROVIDE A DIRECT FIT ADJACENT TO THE ASSOCIATED RIGID STRUCTURE.
 - RIGID INLET FILTERS HAVE A TWO-STAGE DESIGN. THE FIRST STAGE CONVEYS NORMAL FLOWS AT A MINIMUM CLEAN WATER FLOW RATE OF 100 GALLONS PER MINUTE PER SQUARE FOOT. THE SECOND STAGE CONVEYS HIGH FLOW RATES, WITH A MINIMUM APPARENT OPENING OF 0.5-INCH PER SQUARE INCH (NO. 12 STANDARD SIEVE OPENING).
 - TYPE D1 INLET FILTERS HAVE A FIRST STAGE MINIMUM HEIGHT OF 9-INCHES AND A MAXIMUM HEIGHT OF 12 INCHES IN ORDER TO ALLOW GREATER OVERFLOW CAPACITY AND PREVENT PONDING IN THE MEDIAN.
 - RIGID INLET FILTERS COMPLETELY SURROUND THE INLET.
 - RIGID INLET FILTERS HAVE LIFTING DEVICES OR STRUCTURES TO ASSIST IN THE INSTALLATION AND TO ALLOW INSPECTION OF THE STORM WATER SYSTEM.
 - THE FILTER FABRIC IS CAPABLE OF REDUCING EFFLUENT SEDIMENT CONCENTRATIONS BY NO LESS THAN 80% UNDER TYPICAL SEDIMENT MIGRATION CONDITIONS.
 - SELECT APPLICABLE TYPE D INLET FILTERS FROM THE SCDOT APPROVED PRODUCTS LIST.

INSTALLATION:

- INSTALL RIGID INLET FILTERS IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS. PROPERLY INSTALL RIGID INLET PROTECTION SO THE INLET IS COMPLETELY ENCLOSED.

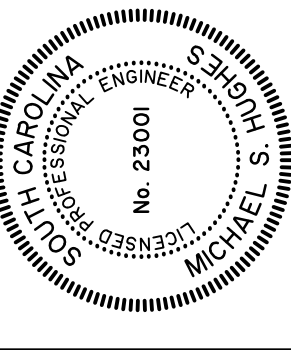
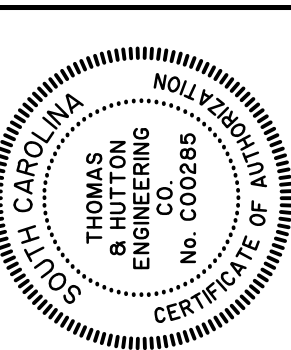
INSPECTION AND MAINTENANCE:

- INSPECT EVERY 7 CALENDAR DAYS AND WITHIN 24-HOURS AFTER EACH STORM THAT PRODUCES 1/4-INCHES OR MORE OF RAIN. ANY NEEDED REPAIRS SHOULD BE HANDLED IMMEDIATELY.
- INSPECT AFTER INSTALLATION TO INSURE THAT NO GAPS EXIST THAT MAY PERMIT SEDIMENT TO ENTER THE STORM DRAIN SYSTEM.
- REMOVE AND/OR REPLACE RIGID INLET FILTERS TO ADAPT TO CHANGING CONSTRUCTION SITE CONDITIONS.
- CLEAN THE RIGID INLET PROTECTION FILTER MATERIAL WHEN IT BECOMES COVERED OR CLOGGED WITH DEPOSITED SEDIMENT.
- REPLACE THE RIGID INLET PROTECTION FILTER MATERIAL AS DIRECTED BY THE ENGINEER.



TYPE D - RIGID INLET FILTERS

NOT TO SCALE



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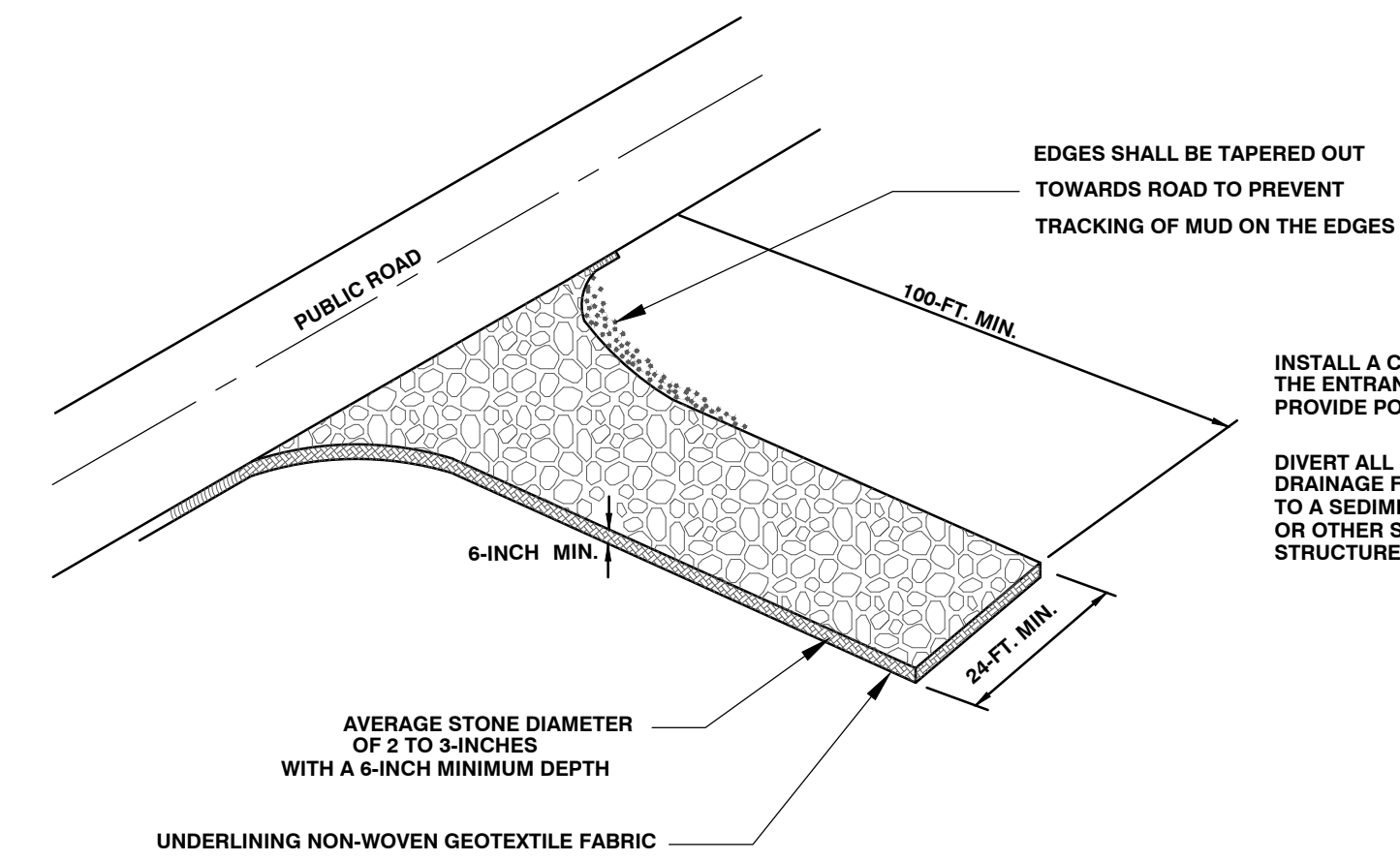
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TOWN OF BLUFFTON
BLUFFTON, SOUTH CAROLINA
184 BLUFFTON
EC & PC DETAILS

JOB NO:	J-26436.2000
DATE:	11/01/18
DRAWN:	TMV
DESIGNED:	TMV
REVIEWED:	JPM
APPROVED:	MSH
SCALE:	1" = 1'

EC3.1

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WHEN AND WHERE TO USE IT:
 STABILIZED CONSTRUCTION ENTRANCES SHOULD BE USED AT ALL POINTS WHERE TRAFFIC WILL BE LEAVING A CONSTRUCTION SITE AND MOVING DIRECTLY ONTO A PUBLIC ROAD.

IMPORTANT CONSIDERATIONS:
 IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFFSITE. WASHDOWN FACILITIES SHALL BE REQUIRED AS DIRECTED BY SCDHEC AS NEEDED. WASHDOWN AREAS IN GENERAL MUST BE ESTABLISHED WITH CRUSHED GRAVEL AND DRAIN INTO A SEDIMENT TRAP OR SEDIMENT BASIN.

CONSTRUCTION ENTRANCES SHOULD BE USED IN CONJUNCTION WITH THE STABILIZATION OF CONSTRUCTION ROADS TO REDUCE THE AMOUNT OF MUD PICKED UP BY VEHICLES.

INSTALLATION:
 REMOVE ALL VEGETATION AND ANY OBJECTIONABLE MATERIAL FROM THE FOUNDATION AREA.
 DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM STONES TO A SEDIMENT TRAP OR BASIN.
 INSTALL A NON-WOVEN GEOTEXTILE FABRIC PRIOR TO PLACING ANY STONE.

INSTALL A CULVERT PIPE ACROSS THE ENTRANCE WHEN NEEDED TO PROVIDE POSITIVE DRAINAGE.

THE ENTRANCE SHALL CONSIST OF 1-INCH TO 3-INCH D50 STONE PLACED AT A MINIMUM DEPTH OF 6-INCHES.

MINIMUM DIMENSIONS OF THE ENTRANCE SHALL BE 24-FEET WIDE BY 100-FEET LONG, AND MAY BE MODIFIED AS NECESSARY TO ACCOMMODATE SITE CONSTRAINTS.

THE EDGES OF THE ENTRANCE SHALL BE TAPERED OUT TOWARDS THE ROAD TO PREVENT TRACKING OF MUD AT THE EDGE OF THE ENTRANCE.

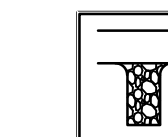
INSPECTION AND MAINTENANCE:
 CHECK FOR MUD AND SEDIMENT BUILDUP AND PAD INTEGRITY. MAKE DAILY INSPECTIONS DURING PERIODS OF WET WEATHER. MAINTENANCE IS REQUIRED MORE FREQUENTLY IN WET WEATHER CONDITIONS. RESHAPE THE STONE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL.

WASH OR REPLACE STONES AS NEEDED. THE STONE IN THE ENTRANCE SHOULD BE WASHED OR REPLACED WHENEVER THE ENTRANCE FAILS TO REDUCE MUD BEING CARRIED OFF-SITE BY VEHICLES.

FREQUENT WASHING WILL EXTEND THE USEFUL LIFE OF STONE.

IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS BY BRUSHING OR SWEEPING. FLUSHING SHOULD ONLY BE USED WHEN THE WATER CAN BE DISCHARGED TO A SEDIMENT TRAP OR BASIN.

REPAIR ANY BROKEN PAVEMENT IMMEDIATELY.



STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE

DC DUST CONTROL ON DISTURBED AREAS

DEFINITION
 Controlling surface and air movement of dust on land-disturbing activities.



PURPOSE
 • Prevent the movement of dust from exposed soil surfaces.
 • Prevent the movement of airborne substances that may be harmful to health.

INSTALLATION
 • Apply according to approved plan, if shown.
 • Mutch disturbed areas and tackify with resins such as asphalt, Curasol or Terratack according to manufacturer's recommendations.
 • Stabilize disturbed areas with temporary or permanent vegetation.
 • Irrigate disturbed areas until surface is wet.
 • Cover surfaces with crushed stone or gravel.

- Apply calcium chloride at a rate to keep surfaces moist.
- Apply spray-on adhesives to mineral soils (not muck soils) as described in Table 1.

Table 1. Spray-On Adhesive Application Requirements

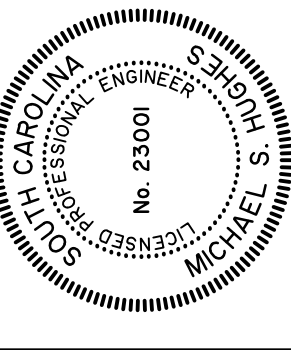
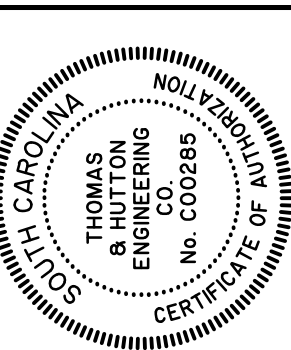
Adhesive	Water Dilution	Nozzle Type	Application (Gal./Acre)
Anionic asphalt emulsion	7:1*	Coarse spray	1,200
Latex emulsion	12.5:1 *	Fine spray	235
Resin-in-water emulsion	4:1*	Fine spray	300

*Use manufacturer's recommendations when available.

DUST CONTROL MEASURES

NOT TO SCALE

DC



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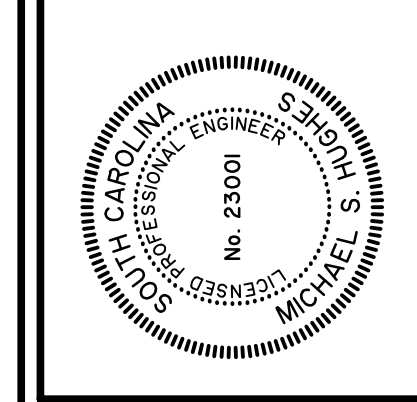
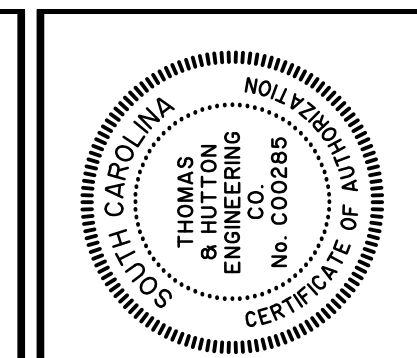
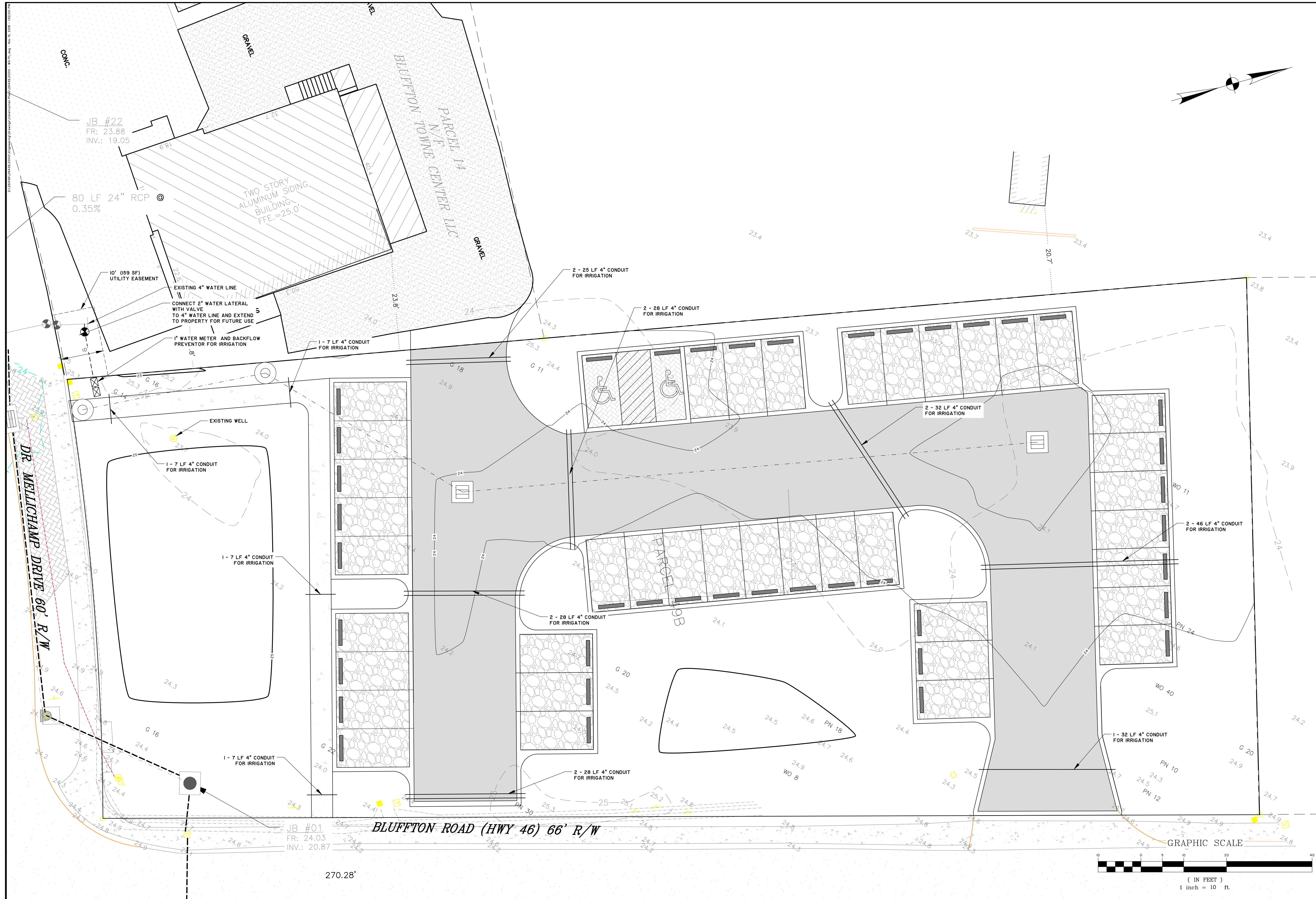
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 184 BLUFFTON
 EC & PC DETAILS

JOB NO:	J-26436.2000
DATE:	11/01/18
DRAWN:	TMV
DESIGNED:	TMV
REVIEWED:	JPM
APPROVED:	MSH
SCALE:	1" = 1'

EC3.2

BID SET - NOT FOR CONSTRUCTION



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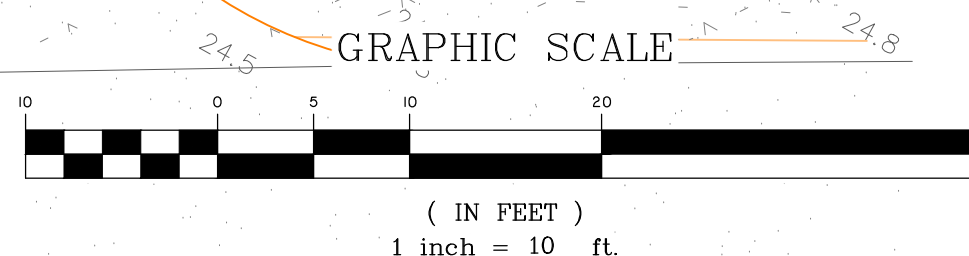
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 UTILITY PLAN

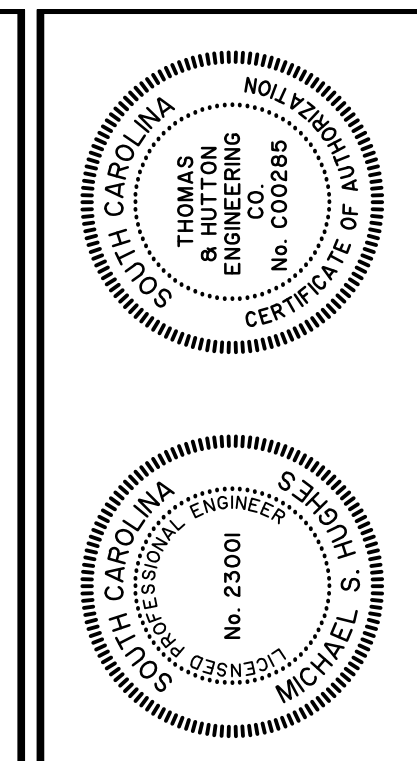
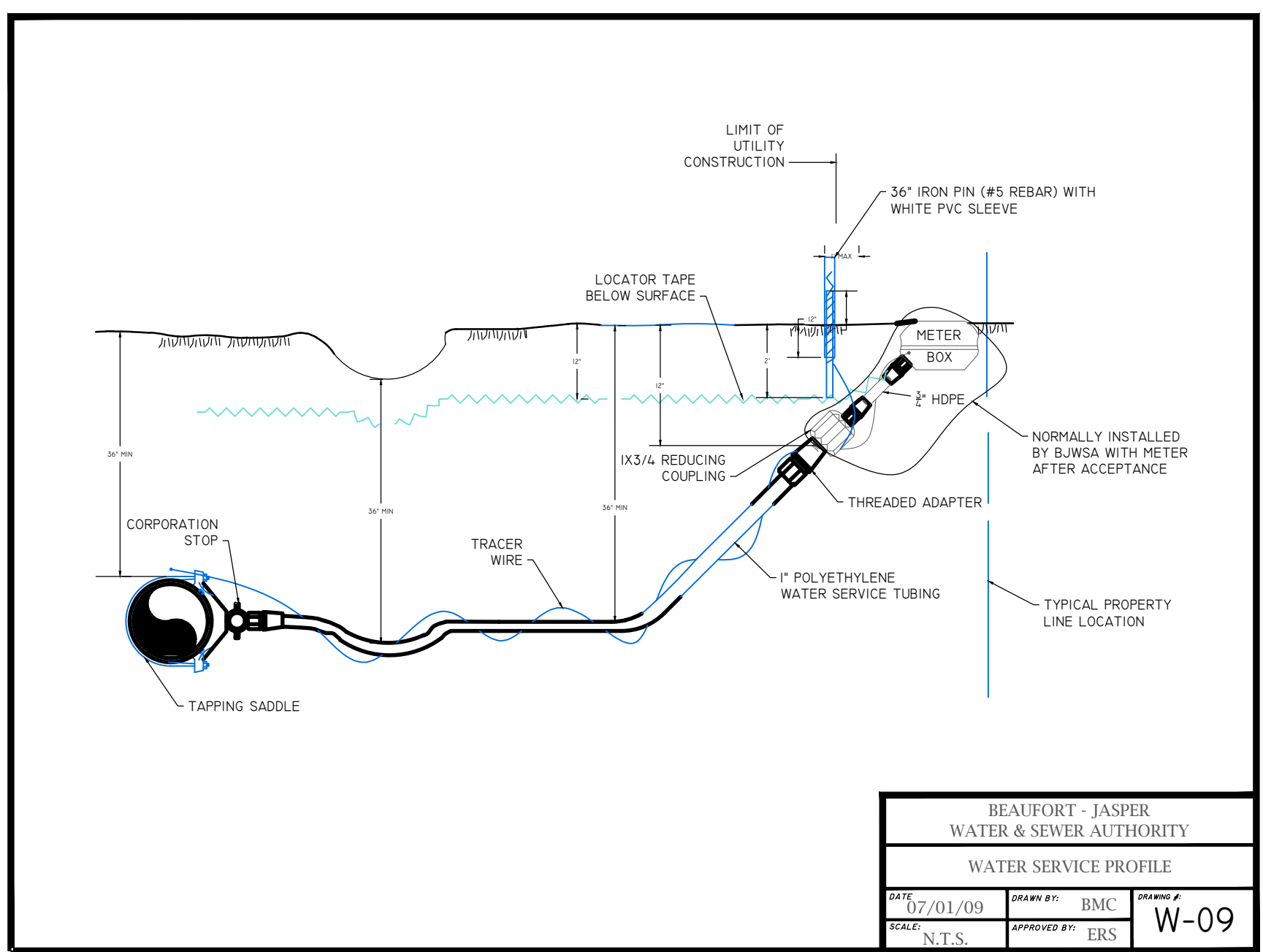
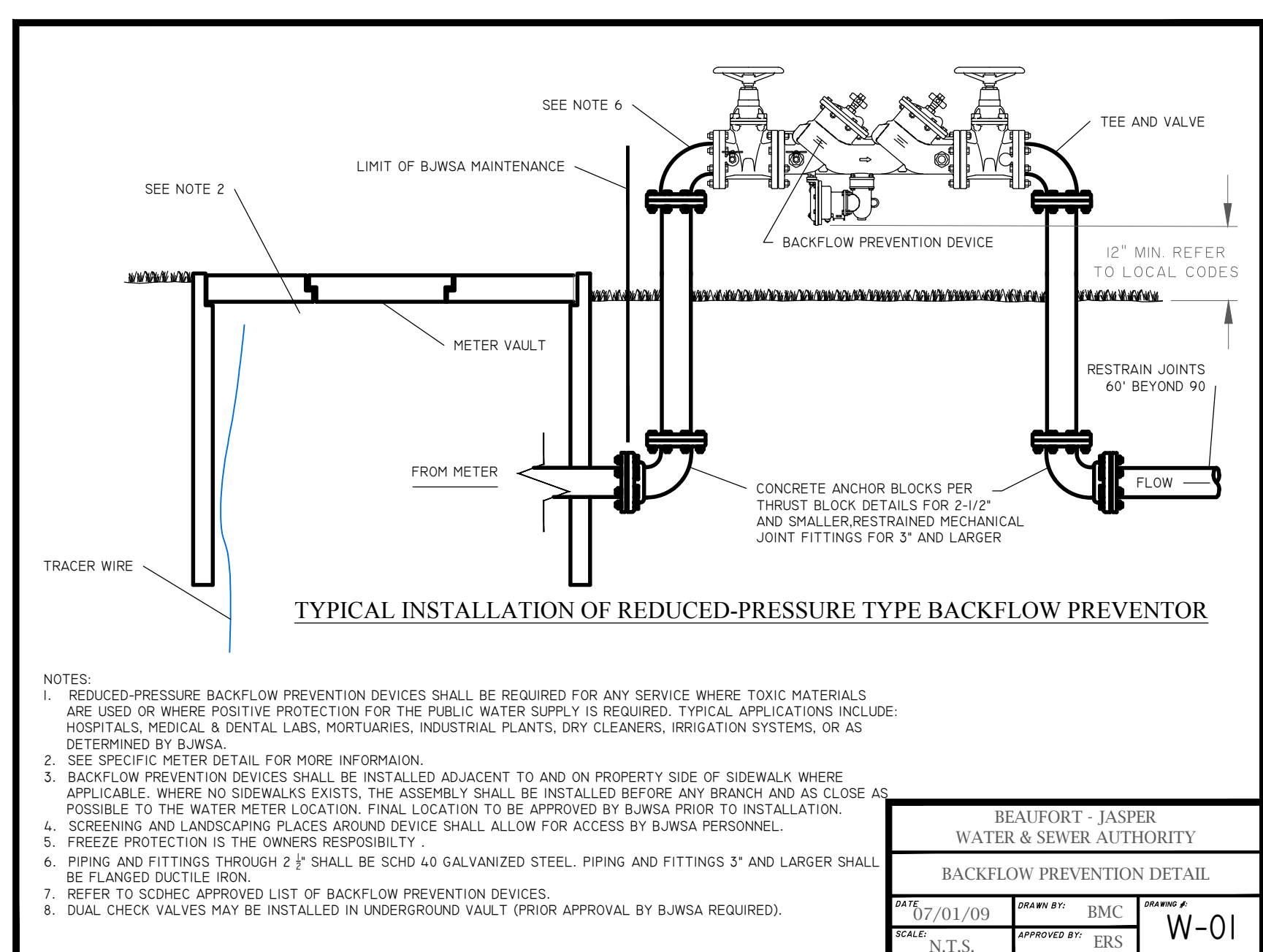
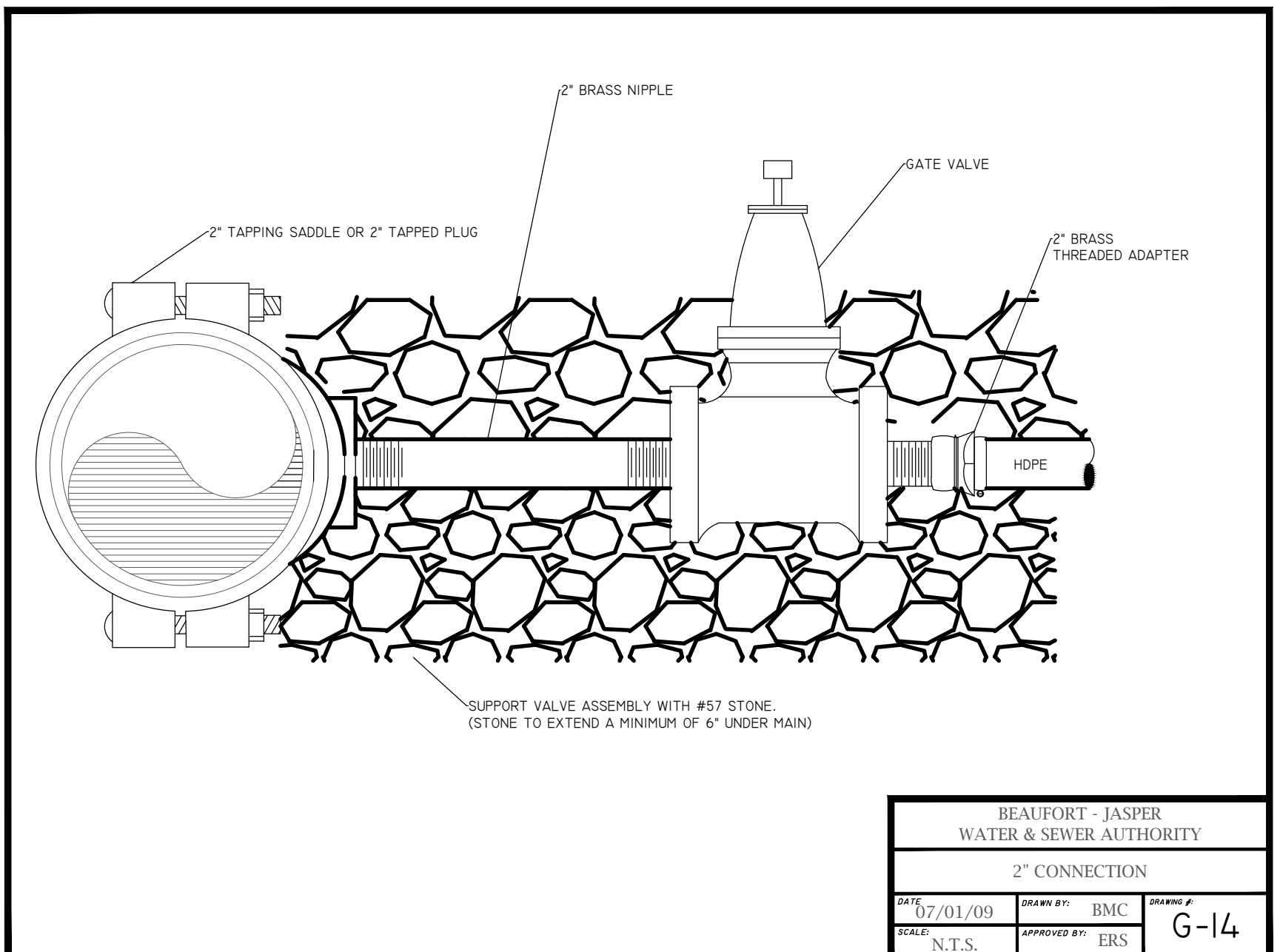
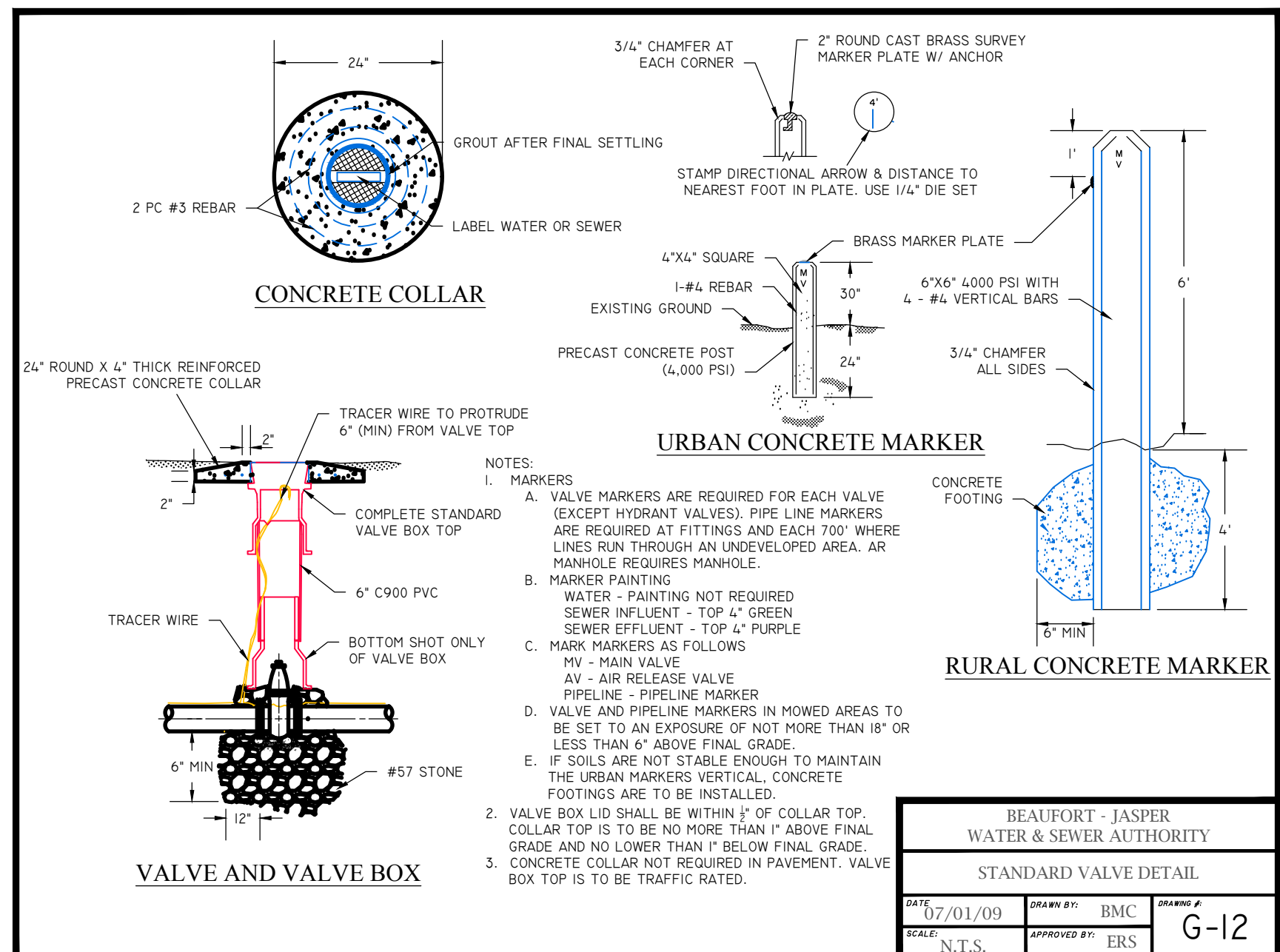
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 SCALE: 1" = 10'

C2.1

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2/15/2018 10:48:28 AM Engineering/Construction/Plan/3/26/2000 - WJ DAVIS, INC. - 10/12/2018 10:48:28 AM



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TOWN OF BLUFFTON
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184 BLUFFTON
WATER DETAILS

JOB NO:	J-26436.2000
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DESIGNED:	TMV
REVIEWED:	JPM
APPROVED:	MSH
SCALE:	NTS

C2.2

BID SET - NOT FOR CONSTRUCTION