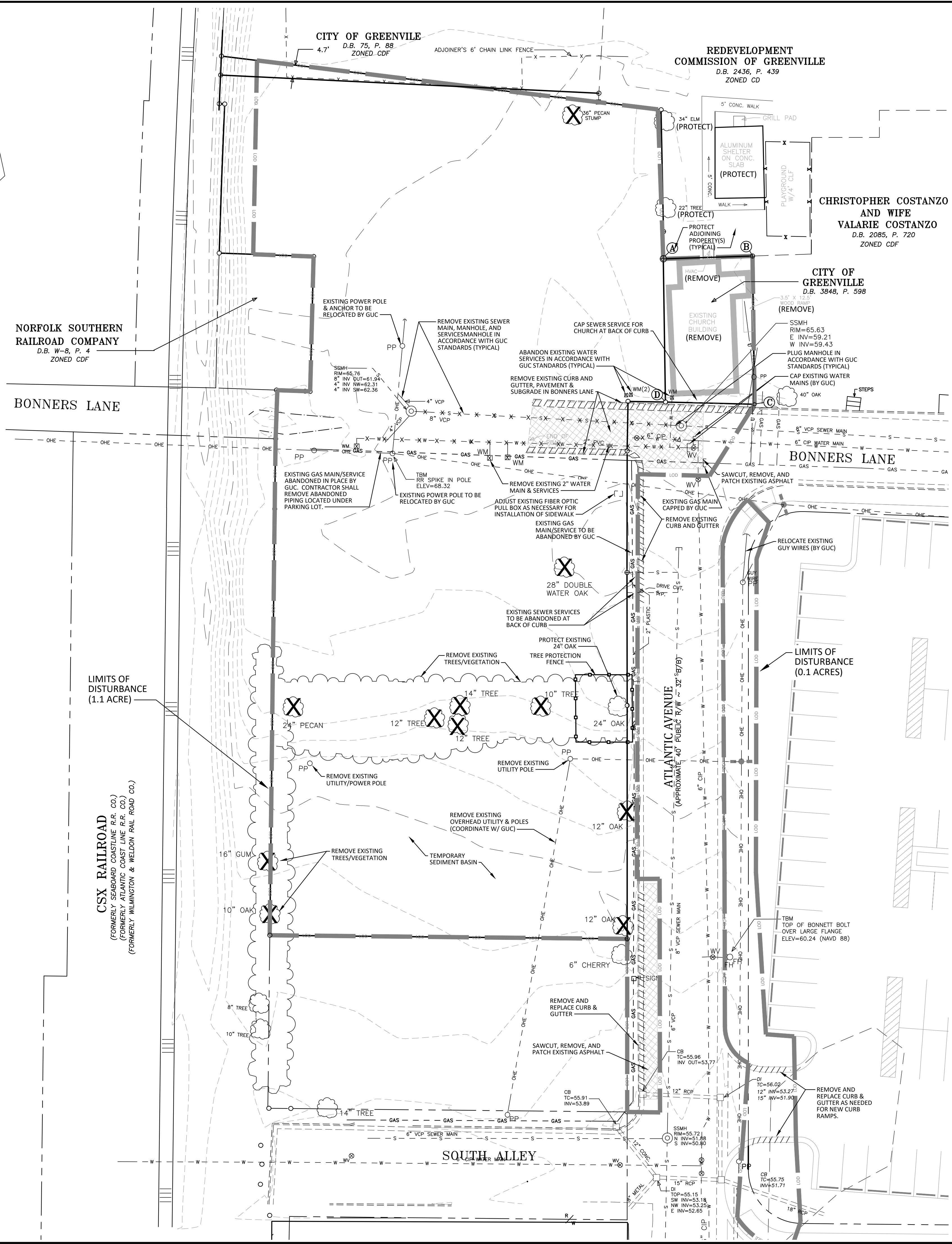


LEGEND

EXISTING	PROPOSED
X	NEW "X" CHISELED IN CONCRETE
○	EXISTING ANGLE IRON
□	CALCULATED CORNER, NO POINT SET
○	EXISTING IRON BAR
○	EXISTING IRON PIPE
○	EXISTING P. NAIL
○	IRON PIPE SET
○	EXISTING CONCRETE MONUMENT
○	FIRE HYDRANT
○	MANHOLE
○	WATER METER
○	WATER VALVE
○	GAS VALVE
○	EXISTING SPOT ELEVATION
○	EXISTING CONTOUR
○	EXISTING FENCE LINE
○	EXISTING WATER LINE
○	SANITARY SEWER LINE
○	GAS LINE
○	OVERHEAD UTILITY LINE
○	POWER POLE
---	70' CONTOUR
---	FIRE MAIN / SERVICE
---	GAS MAIN / SERVICE
---	STORM DRAIN
---	TEMPORARY DIVERSION DITCH
---	CONDUIT
---	COMMUNICATION / TELEPHONE
---	LIMIT OF DISTURBANCE
---	DEMO / TO BE REMOVED
---	BAFFLE
---	GROUND ELEVATION
---	BACK OF CURB
---	TOP OF CONCRETE
---	TOP OF ASPHALT
---	CONCRETE
---	ROCK INLET SEDIMENT TRAP
---	TRUNCATED DOMES
---	ASPHALT PATCH
---	SPILL GUTTER

NC GRID NORTH
NAD83(2011)



Demolition Notes:

- CONTRACTOR SHALL CONTACT NORTH CAROLINA ONE-CALL CENTER (NC 811) BY DIALING 811 OR 1-800-632-4949 AT LEAST 72 HOURS IN ADVANCE OF ANY LAND DISTURBING ACTIVITY OR DIGGING AND HAVE ALL UNDERGROUND UTILITIES LOCATED PRIOR TO EXCAVATING OR TRENCHING.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL LOCAL AND STATE PERMITS REQUIRED FOR DEMOLITION WORK.
- THE CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE OWNER AND/OR ENGINEER FOR ANY AND ALL INJURIES AND/OR DAMAGES TO PERSONNEL, EQUIPMENT AND/OR EXISTING FACILITIES IN THE DEMOLITION AND CONSTRUCTION DESCRIBED IN THE PLANS AND SPECIFICATIONS.
- EXISTING CONDITIONS AS DEPICTED ON THESE PLANS ARE GENERAL AND ILLUSTRATIVE IN NATURE AND MAY NOT INCLUDE MECHANICAL, ELECTRICAL AND MISCELLANEOUS STRUCTURES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXAMINE THE SITE AND BE FAMILIAR WITH EXISTING CONDITIONS PRIOR TO BIDDING ON THIS PROJECT. IF CONDITIONS ENCOUNTERED DURING EXAMINATION ARE SIGNIFICANTLY DIFFERENT THAN THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
- ALL DEMOLITION WASTE AND DEBRIS SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF IN A STATE APPROVED WASTE SITE AND IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS.
- THE BURNING OF CLEARED MATERIAL AND DEBRIS SHALL NOT BE ALLOWED UNLESS CONTRACTOR GETS WRITTEN AUTHORIZATION FROM THE LOCAL AUTHORITIES.
- ASBESTOS OR HAZARDOUS MATERIALS, IF FOUND ON SITE, SHALL BE REMOVED BY A LICENSED HAZARDOUS MATERIALS CONTRACTOR. CONTRACTOR SHALL NOTIFY OWNER IMMEDIATELY IF HAZARDOUS MATERIALS ARE ENCOUNTERED.
- CONTRACTOR SHALL PROTECT ALL CORNER PINS, MONUMENTS, PROPERTY CORNERS, AND BENCHMARKS DURING DEMOLITION ACTIVITIES. IF DISTURBED, CONTRACTOR SHALL HAVE DISTURBED ITEMS RESET BY A LICENSED SURVEYOR AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL ADHERE TO ALL LOCAL, STATE, FEDERAL, AND OSHA REGULATIONS WHEN OPERATING DEMOLITION EQUIPMENT AROUND UTILITIES.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN TRAFFIC CONTROL MEASURES IN ACCORDANCE WITH THE NCDOT STANDARDS, AND AS REQUIRED BY LOCAL AGENCIES WHEN WORKING IN AND/OR ALONG STREETS, ROADS, HIGHWAYS, ETC. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN APPROVAL AND COORDINATE WITH THE LOCAL AND/OR STATE AGENCIES REGARDING THE NEED, EXTENT, AND LIMITATIONS ASSOCIATED WITH INSTALLING AND MAINTAINING TRAFFIC CONTROL MEASURES.
- CONTRACTOR SHALL PROTECT AT ALL TIMES ADJACENT STRUCTURES AND ITEMS FROM DAMAGE DUE TO DEMOLITION OR CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR WILL REIMBURSE THE CITY FOR ALL COST INCURRED AS A RESULT OF ANY DAMAGE TO ANY CITY UTILITY OR ANY INFRASTRUCTURE WITHIN THE RIGHT-OF-WAY BY THE CONTRACTOR, REGARDLESS OF THESE PLANS.
- CONTRACTOR SHALL REMOVE EXISTING VEGETATION AND IMPROVEMENTS WITHIN LIMITS OF DISTURBANCE UNLESS NOTED OTHERWISE.
- TREES OUTSIDE OF CONSTRUCTION LIMITS OR TREES NOT INDICATED TO BE REMOVED SHALL BE PROTECTED.

Construction Sequence

- INSTALL PERIMETER SILT FENCE AND TEMPORARY GRAVEL CONSTRUCTION ENTRANCES.
- INSTALL INLET PROTECTION AROUND EXISTING STORM DRAINAGE STRUCTURES.
- PERFORM CLEARING AND DEMOLITION OF ON-SITE IMPROVEMENTS.
- PERFORM ROUGH GRADING.
- INSTALL STORM DRAINAGE. INSTALL INLET PROTECTION AROUND NEW STORM DRAINAGE STRUCTURES.
- INSTALL CURB & GUTTER.
- PLACE AND ROUGH GRADE STONE BASE IN AREAS OUTSIDE OF UNDERGROUND DETENTION SYSTEM.
- INSTALL UNDERGROUND DETENTION SYSTEM.
- COMPLETE PLACEMENT OF STONE BASE AND FINE GRADING.
- INSTALL SITE LIGHTING.
- PLACE ASPHALT & CONCRETE PAVEMENT.
- INSTALL SITE LANDSCAPING.
- PERFORM PAINT STRIPING.
- REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND INSTALL PERMANENT VEGETATION.

Utility Notes:

- ANY UNUSED WATER OR SEWER SERVICE MUST BE ABANDONED IN ACCORDANCE WITH GUC REGULATIONS. CALL 252-551-1551 TO SCHEDULE INSPECTION OF ABANDONMENT.

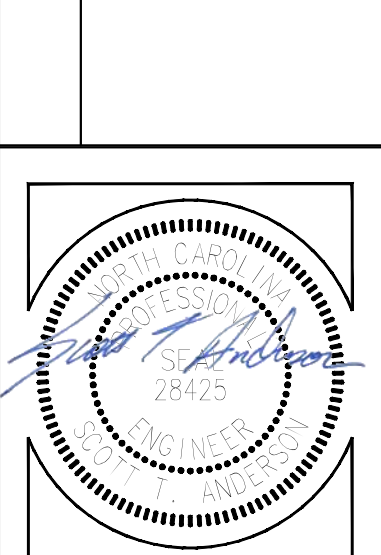
NO.	DATE	REVISIONS:
1	1/7/2025	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
2	1/7/2025	REVISED PER NEW PROPERTY BOUNDARY
3	1/27/2025	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
4	1/27/2025	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
5	2/10/2025	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
6	2/10/2025	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
7	1/17/2025	ADDED PAVEMENT AND REVISED PARKING LOT ENTRANCE
8	1/17/2025	REVISED PER CITY OF GREENVILLE SITE PLAN REVIEW COMMENTS



DEMOLITION PLAN

ATLANTIC AVENUE PARKING LOT "B"

City of Greenville, Pitt County, North Carolina

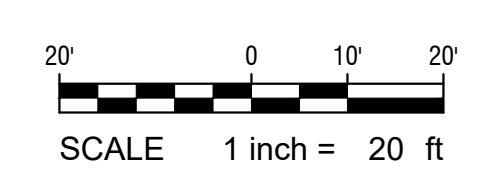


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Project Manager: STA
 Drawn By: EW
 Checked By: BTO
 Project Number: 17042
 Drawing Number: D-1141

C-2

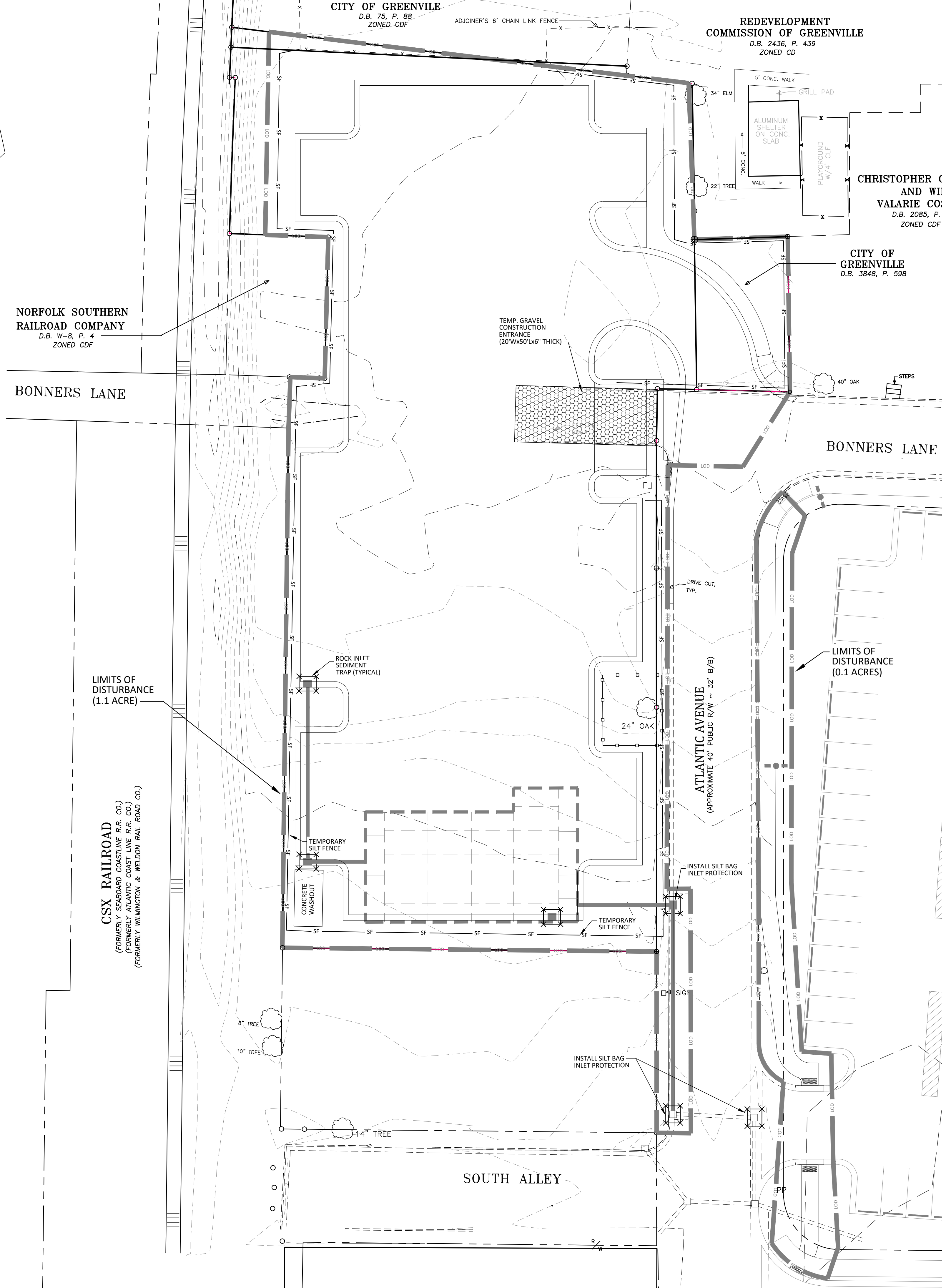
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LEGEND

EXISTING	PROPOSED
NEW "X" CHISELED IN CONCRETE	
EXISTING ANGLE IRON	
CALCULATED CORNER, NO POINT SET	
EXISTING IRON BAR	
EXISTING IRON PIPE	
EXISTING P.K. NAIL	
EXISTING CONCRETE MONUMENT	
FIRE HYDRANT	
SIGN	
MANHOLE	
WATER METER	
WATER VALVE	
GAS VALVE	
EXISTING SPOT ELEVATION	
EXISTING CONTOUR	
EXISTING FENCE LINE	
EXISTING WATER LINE	
SANITARY SEWER LINE	
GAS LINE	
OVERHEAD UTILITY LINE	
POWER POLE	
CONTOUR	
FIRE MAIN / SERVICE	
GAS MAIN / SERVICE	
ROOF DRAIN	
STORM DRAIN	
TEMPORARY DIVERSION DITCH	
CONDUIT	
COMMUNICATION / TELEPHONE	
LIMIT OF DISTURBANCE	
DEMO / TO BE REMOVED	
BAFFLE	
GROUND ELEVATION	
BACK OF CURB	
TOP OF CONCRETE	
TOP OF ASPHALT	
CONCRETE	
ROCK INLET SEDIMENT TRAP	
TRUNCATED DOMES	
ASPHALT PATCH	
SPILL GUTTER	

NC GRID NORTH
NAD83(2011)



Permanent Seeding Schedule:

SEED BED PREPARATION	
LIME	- 2 TONS PER ACRE
FERTILIZER (10-20-20)	- 500 POUNDS PER ACRE
SEEDING MIXTURE:	
(JANUARY 1 - MARCH 31)	
COMMON BERMUDA GRASS (UNHULLED)	- 20 POUNDS PER ACRE
RYE (GRAIN)	- 25 POUNDS PER ACRE
(APRIL 1 - JULY 31)	
COMMON BERMUDAGRASS (HULLED)	- 15 POUNDS PER ACRE
WEeping LOVEGRASS	- 5 POUNDS PER ACRE
CENTPEDE	- 8 POUNDS PER ACRE
(AUGUST 1 - DECEMBER 31)	
COMMON BERMUDA GRASS (UNHULLED)	- 20 POUNDS PER ACRE
TALL FESCUE	- 60 POUNDS PER ACRE
RYE (GRAIN)	- 25 POUNDS PER ACRE
SEED BED PROTECTION:	
STRAW MULCH	- 2 TONS PER ACRE (VISUAL)
ASPHALT TACK	- 0.03 GALLONS PER SQUARE YARD

Erosion Control Provisions

- NO PERSON MAY INITIATE A LAND DISTURBING ACTIVITY BEFORE NOTIFYING THE CITY OF GREENVILLE ENGINEERING DEPARTMENT OF THE DATE THAT THE LAND DISTURBING ACTIVITY WILL BEGIN.
- SEED OR OTHERWISE PROVIDE GROUND COVER DEVICES OR STRUCTURES SUFFICIENT TO RESTRAIN EROSION FOR ALL EXPOSED SLOPES WITHIN 7 DAYS OF COMPLETION OF ANY PHASE OF GRADING ON PERIMETER AREAS AND SLOPES STEEPER THAN 3:1. ALL OTHER AREAS SHALL BE STABILIZED WITHIN 14 DAYS.
- CONTRACTOR SHALL INSPECT AND MAINTAIN AS NEEDED ALL EROSION CONTROL DEVICES ON A WEEKLY BASIS AND AFTER EACH MAJOR STORM EVENT. FAILURE TO KEEP ALL EROSION CONTROL DEVICES IN PROPER WORKING ORDER MAY RESULT IN A STOP WORK ORDER OR CIVIL PENALTIES UP TO \$5,000.00 PER DAY OF VIOLATION.
- THE CITY ENGINEER RESERVES THE RIGHT TO REQUIRE ADDITIONAL EROSION CONTROL MEASURES SHOULD THE PLAN OR ITS IMPLEMENTATION PROVE TO BE INADEQUATE.
- EROSION CONTROL MEASURES SHALL BE MAINTAINED AND INSPECTED AS PER THE DETAIL SHEETS SHOWN.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSPECT TEMPORARY EROSION CONTROLS AS SPECIFIED IN THE EROSION CONTROL PLAN. ADJUST THE CONTROLS AND/OR REMOVE ANY SEDIMENT BUILDUP AS NECESSARY.
- PLEASE BE ADVISED OF THE RULES TO PROTECT AND MAINTAIN EXISTING BUFFERS ALONG WATERCOURSES IN THE NEUSE AND TAR/PAMLICO RIVER BASINS. THESE RULES ARE ENFORCED BY THE DIVISION OF WATER QUALITY (DWQ). DIRECT ANY QUESTIONS ABOUT THE APPLICABILITY OF THESE RULES TO YOUR PROJECT TO THE REGIONAL WATER QUALITY SUPERVISOR, WASHINGTON REGIONAL OFFICE AT (252) 946-6481.
- ACCEPTANCE AND APPROVAL OF THIS PLAN IS CONDITIONED UPON YOUR COMPLIANCE WITH FEDERAL AND STATE WATER QUALITY LAWS, REGULATION AND RULES. IN ADDITION LOCAL CITY AND COUNTY ORDINANCES OR RULES MAY ALSO APPLY TO THIS LAND DISTURBING ACTIVITY. APPROVAL BY THE CITY DOES NOT SUPERSEDE ANY OTHER PERMIT OR APPROVAL.
- LAND DISTURBING ACTIVITY BEYOND THAT REQUIRED TO INSTALL APPROPRIATE EROSION CONTROL MAY NOT PROCEED UNTIL EROSION CONTROL MEASURES ARE INSPECTED AND APPROVED BY THE CITY.
- SCHEDULING OF A PRE-CONSTRUCTION CONFERENCE WITH THE EROSION CONTROL INSPECTOR IS REQUIRED PRIOR TO INITIATING LAND DISTURBING ACTIVITIES. FOR INSPECTION CALL (252) 329-4467. 48 HOUR NOTICE IS REQUIRED.
- CONTRACTOR WILL BE RESPONSIBLE FOR KEEPING ROADS AND DRIVES ADJACENT TO AND NEAR THE SITE FREE FROM SOIL, SEDIMENT AND DEBRIS. CONTRACTOR WILL NOT REMOVE SOIL, SEDIMENT OR DEBRIS FROM ANY AREA OR VEHICLE BY MEANS OF WATER, ONLY SHOVELING AND SWEEPING WILL BE ALLOWED. CONTRACTOR WILL BE RESPONSIBLE FOR DUST CONTROL FROM THE SITE.
- NO PONDING OF WATER SHALL BE ALLOWED TO COLLECT ON OR NEAR THE INTERSECTION OF PRIVATE DRIVEWAYS AND A PUBLIC STREET. RECONSTRUCTION OF THE DRIVEWAY APPROACH SHALL BE AT THE CONTRACTOR'S EXPENSE.
- INSTALL ROCK INLET SEDIMENT TRAPS AROUND ALL CATCH BASINS, DROP INLETS, AND YARD INLETS.
- PROVIDE 20' X 50' X 8" STONE CONSTRUCTION ENTRANCES AS SHOWN ON PLAN.

Erosion Control General Notes

- IN THE EVENT OF A CONFLICT BETWEEN THE REQUIREMENTS OF THE SEDIMENTATION POLLUTION CONTROL ACT, THE SUBMITTED PLAN AND/OR THE CONTRACT SPECIFICATIONS, THE MORE RESTRICTIVE REQUIREMENT SHALL PREVAIL.
- THE LAND-DISTURBING ACTIVITY SHALL BE CONDUCTED IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN.
- THE LATEST APPROVED EROSION AND SEDIMENTATION CONTROL PLAN WILL BE USED DURING PERIODIC UNANNOUNCED INSPECTIONS TO DETERMINE COMPLIANCE AND A COPY OF THE PLAN MUST BE ON FILE AT THE JOB SITE. IF IT IS DETERMINED THAT THE IMPLEMENTED PLAN IS INADEQUATE, THE ENGINEER MAY REQUIRE THE INSTALLATION OF ADDITIONAL MEASURES AND/OR THAT THE PLAN BE REVISED TO COMPLY WITH STATE LAW.
- IN ORDER TO COMPLY WITH THE INTENT OF THE ACT, THE SCHEDULING OF THE LAND-DISTURBING ACTIVITIES IS TO BE SUCH THAT BOTH THE AREA OF EXPOSURE AND THE TIME BETWEEN THE LAND DISTURBANCE AND THE PROVIDING OF A GROUND COVER IS MINIMIZED.
- UNLESS A TEMPORARY, MANUFACTURED, LINING MATERIAL HAS BEEN SPECIFIED, A CLEAN STRAW MULCH MUST BE APPLIED AT A MINIMUM RATE OF 2 TONS/ACRE TO ALL SEEDING AREAS. THE MULCH MUST COVER AT LEAST 75% OF THE SEEDING AREA AFTER IT IS EITHER TACKED, WITH AN ACCEPTABLE TACKING MATERIAL, OR CRIMPED IN PLACE.
- NEW OR AFFECTED CUT OR FILLED SLOPES MUST BE AT AN ANGLE THAT CAN BE RETAINED BY VEGETATIVE COVER, AND MUST BE PROVIDED WITH A GROUND COVER SUFFICIENT TO RESTRAIN EROSION WITHIN A MAXIMUM OF 7 CALENDAR DAYS OF COMPLETION OF ANY PHASE (ROUGH OR FINAL) OF GRADING (ANNUAL RYE GRASS IS NOT IN THE APPROVED SEEDING SPECIFICATIONS NOR IS IT AN ACCEPTABLE SUBSTITUTE FOR THE PROVIDING OF A TEMPORARY GROUND COVER).
- INSTALL SILT FENCE AROUND SPOIL PILES AND ALONG TRENCHES TO MINIMIZE SEDIMENT FROM ENTERING DRAINAGE WAYS.
- PROVIDE EROSION CONTROL MEASURES AROUND STOCK/WASTE PILES AND STAGING AREAS AS NEEDED OR AS DIRECTED BY ENGINEER.
- PROTECT STORM PIPE INLETS FROM SEDIMENT RUNOFF FROM LAND DISTURBING ACTIVITIES WITH SILT FENCE, STONE CHECK DAM, OR ABC FILTER AS APPROPRIATE FOR SITE CONDITIONS.
- EROSION CONTROL MEASURES SHALL NOT BE PLACED IN OR BELOW THE NORMAL WATER SURFACE OF A STREAM UNLESS SPECIFICALLY INDICATED ON THE APPROVED PLAN OR AS DIRECTED BY THE ENGINEER OR NCDEC.
- WHERE THE AREA AROUND AN OUTLET IS DISTURBED AND NO OUTLET PROTECTION EXISTS, CLASS "1" RIP-RAP SHALL BE PLACED AROUND PIPE OUTLET AS NEEDED OR AS DIRECTED BY THE ENGINEER.
- PROVIDE EROSION CONTROL MATTING WHERE INDICATED UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
- PROVIDE PERMANENT SEEDING IN ACCORDANCE WITH THE SEEDING SCHEDULE.



#	DATE	REVISIONS:
1	7/25/2019	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
2	7/25/2019	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
3	8/27/2019	REVISED PER NEW PROPERTY BOUNDARY
4	10/27/2019	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
5	12/03/2019	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
6	1/22/2020	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
7	1/31/2020	ADDED PARCEL 27500 AND REVISED PARKING LOT ENTRANCE
8	1/27/2020	REVISED PER CITY OF GREENVILLE SITE PLAN REVIEW COMMENTS



EROSION CONTROL PLAN
ATLANTIC AVENUE
PARKING LOT "B"
City of Greenville, Pitt County, North Carolina

Project Manager: STA
 Drawn By: EW
 Checked By: BTO
 Project Number: 17042
 Drawing Number: D-1141

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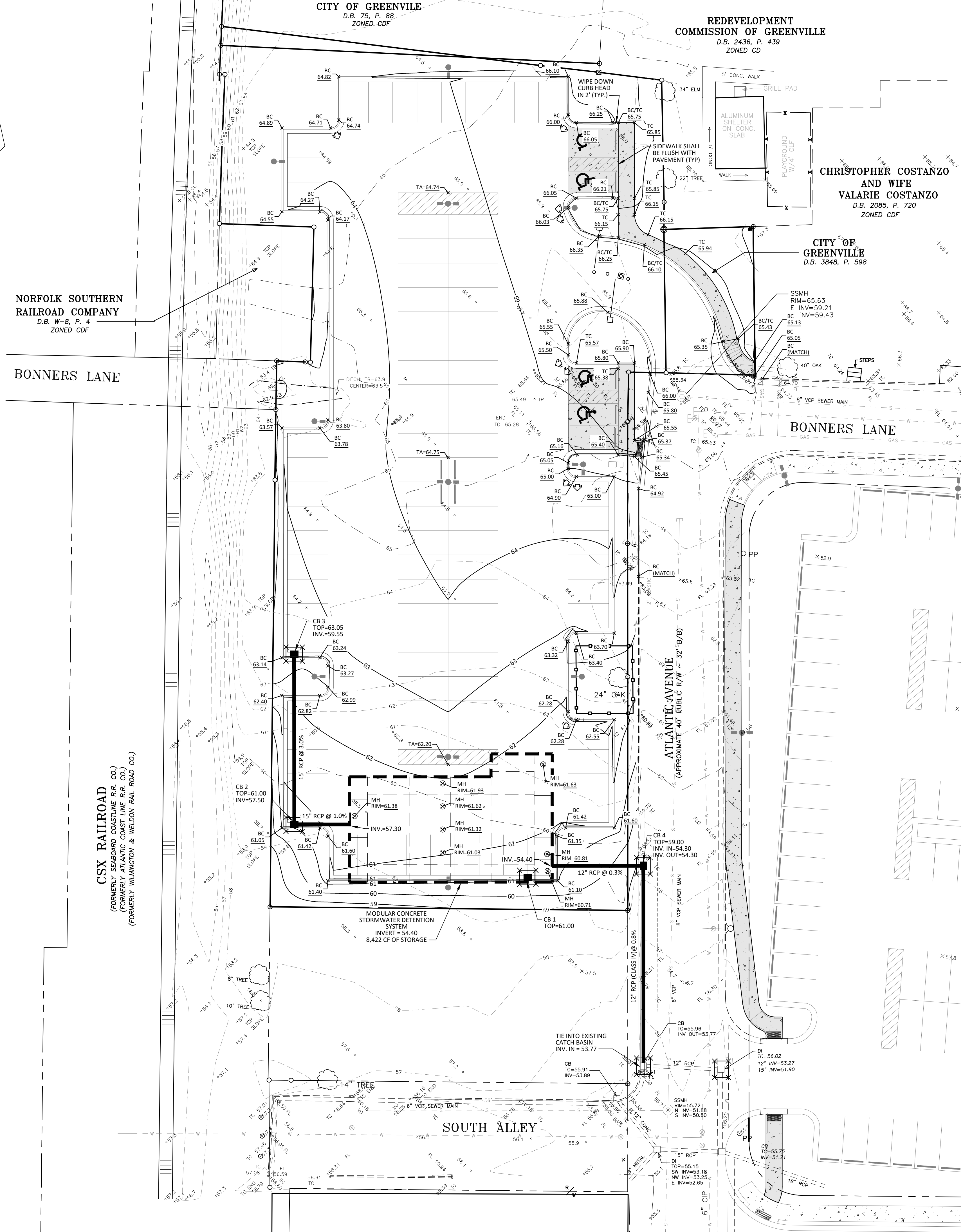
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C-3
 Date: 10-05-2020

LEGEND

EXISTING	PROPOSED
NEW "X" CHISELED IN CONCRETE	
EXISTING ANGLE IRON	
CALCULATED CORNER, NO POINT SET	
EXISTING IRON BAR	
EXISTING IRON PIPE	
EXISTING P.C. NAIL	
IRON PIPE SET	
EXISTING CONCRETE MONUMENT	
FIRE HYDRANT SIGN	
MANHOLE	
WATER METER	
WATER VALVE	
GAS VALVE	
EXISTING SPOT ELEVATION	
EXISTING CONTOUR	
EXISTING FENCE LINE	
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POWER POLE	
CONTOUR	
FIRE MAIN / SERVICE	
GAS MAIN / SERVICE	
ROOF DRAIN	
STORM DRAIN	
TEMPORARY DIVERSION DITCH	
CONDUIT	
COMMUNICATION / TELEPHONE	
LIMIT OF DISTURBANCE	
DEMO / TO BE REMOVED	
BAFFLE	
GROUND ELEVATION	
BACK OF CURB	
TOP OF CONCRETE	
TOP OF ASPHALT	
CONCRETE	
ROCK INLET SEDIMENT TRAP	
TRUNCATED DOMES	
ASPHALT PATCH	
SPILL GUTTER	

NC GRID NORTH
NAD83(2011)



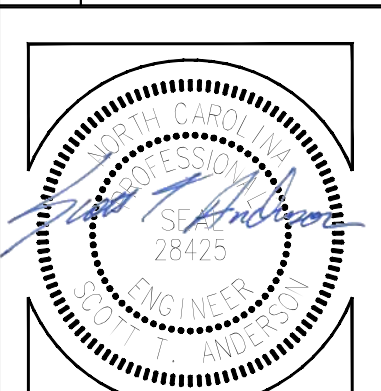
Grading Notes:

- ALL AREAS WITHIN LIMITS OF DISTURBANCE SHALL BE CLEARED AND GRUBBED.
- CONTRACTOR SHALL REMOVE EXISTING VEGETATION AND IMPROVEMENTS WITHIN LIMITS OF DISTURBANCE UNLESS NOTED OTHERWISE.
- TREES OUTSIDE OF CONSTRUCTION LIMITS OR TREES NOT INDICATED TO BE REMOVED SHALL BE PROTECTED.
- THE BURNING OF CLEARED MATERIAL AND DEBRIS SHALL NOT BE ALLOWED UNLESS CONTRACTOR GETS WRITTEN AUTHORIZATION FROM THE LOCAL AUTHORITIES.
- ALL DEMOLITION WASTE AND DEBRIS SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF IN A STATE APPROVED WASTE SITE AND IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS.
- TOP SOIL SHALL BE STRIPPED FROM ALL CUT AND FILL AREAS, STOCKPILED AND REDISTRIBUTED OVER GRADED AREAS. PROVIDE EROSION AND SEDIMENTATION CONTROLS AROUND STOCKPILES DURING CONSTRUCTION.
- TILL SOIL TO A DEPTH OF 4" MINIMUM.
- REMOVE ALL ROCKS LARGER THAN 1" MEASURED IN LARGEST DIRECTION.
- ALL GRADED AREAS TO RECEIVE TOP SOIL, SEED, STRAW AND WATER UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.
- INSTALL TEMPORARY TURF REINFORCEMENT MATTING ON ALL SLOPES STEEPER THAN 3:1. MATTING SHALL BE CONTECH LANDLOK C2 OR EQUAL.
- REFER TO SHEET C-6 FOR DETAILS OF PAVEMENT IN PARKING AND DRIVE AREAS.
- ALL SIDEWALKS SHALL BE CONSTRUCTED OF 4" THICK 3,000 PSI CONCRETE. ALL SIDEWALKS SHALL HAVE TOOLED CONTROL JOINTS NOT EXCEEDING 6' SPACING IN ANY DIRECTION.
- ALL SUB-GRADES SHALL BE THOROUGHLY PROOF-ROLLED TO IDENTIFY SMALL LOCALIZED AREAS OF UNSUITABLE SOILS. ALL UNSUITABLE SOILS SHALL BE UNDERCUT, REPLACED WITH STRUCTURAL FILL, AND COMPACTED AS DESCRIBED ABOVE.

NO.	DATE	COMMENTS
1	7/22/2019	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
2	7/22/2019	REVISED PER NEW PROPERTY BOUNDARY
3	8/22/2019	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
4	10/27/2019	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
5	12/03/2019	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
6	1/22/2020	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
7	5/12/2020	ADD PARCEL 2750 AND REVISED PARKING LOT ENTRANCE
8	5/27/2022	REVISED PER CITY OF GREENVILLE SITE PLAN REVIEW COMMENTS



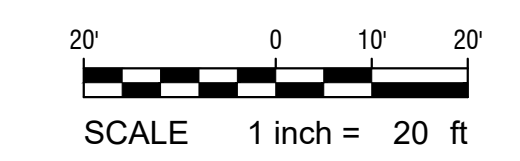
GRADING PLAN
ATLANTIC AVENUE
PARKING LOT "B"
City of Greenville, Pitt County, North Carolina



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Project Manager:	STA
Drawn By:	EW
Checked By:	BTO
Project Number:	17042
Drawing Number:	D-1141

C-4
Date: 10-05-2020



SEEDING AND MULCHING:

The kinds of seed and fertilizer, and the rates of application of seed, fertilizer, and limestone, shall be stated below. During periods of overlapping dates, the kind of seed to be used shall be determined. All rates are in pounds per acre.

All Roadway Areas		September 1 - February 28	
March 1 - August 31		75#	Tall Fescue
50#	Tall Fescue	50#	Tall Fescue
10#	Centipede	10#	Centipede
25#	Bermudagrass (hulled)	35#	Bermudagrass (hulled)
500#	Fertilizer	500#	Fertilizer
4000#	Limestone	4000#	Limestone

Water and Borrow Locations		September 1 - February 28	
March 1 - August 31		75#	Tall Fescue
75#	Tall Fescue	50#	Tall Fescue
25#	Bermudagrass (hulled)	35#	Bermudagrass (hulled)
500#	Fertilizer	500#	Fertilizer
4000#	Limestone	4000#	Limestone

Note: 50# of Bahiagrass may be substituted for either Centipede or Bermudagrass only upon Engineer's request.

Approved Tall Fescue Cultivars

2nd Millennium	Chipper	Masterpiece	Quest	Titan Ltd.
Avenger	Coronado	Grande II	Malador	Titanium
Barlexas	Coyote	Greenkeeper	Malador GT	Tomohawk
Barlexas II	Davinci	Graystone	Millennium	Tiger
Barra	Dynasty	Inferno	Montauk	Rembrandt
Barrington	Dominion	Justice	Mustang 3	Rendition
Billmore	Duster	Jaguar 3	Olympic Gold	Scorpion
Bingo	Endeavor	Kalahari	Padre	Shelby
Bravo	Escalade	Kentucky 31	Paraliso	Signia
Cayenne	Falcon II, III, IV & V	Kitty Hawk	Picasso	Silverstar
Chapel Hill	Fidelity	Kitty Hawk 2000	Piedmont	Southern Choice II
Chesapeake	Finesse II	Lexington	Pure Gold	Stetson
Constitution	Firebird	Magellan	Prospect	Tarheel

PUBLIC WORKS DEPARTMENT
1500 Beatty Street
Greenville, North Carolina 27834

CITY OF GREENVILLE, N.C.
USE WITH THE CITY OF GREENVILLE, N.C. STANDARD SPECIFICATIONS ONLY

EROSION CONTROL GUIDE

Scale: not to scale
Sheet # 3 of 3
310.01

On cut and fill slopes 2:1 or steeper Centipede shall be applied at a rate of 5 pounds per acre and add 20# of Sericea Lespedeza from January 1 - December 21.

Fertilizer shall be 10-20-20 analysis. A different analysis of fertilizer may be used provided the 1-2-2 ratio is maintained and the rate of application adjusted to provide the same amount of plant food as a 10-20-20 analysis and as directed.

All areas seeded and mulched shall be tacked with asphalt. Crimping of straw in lieu of asphalt tack shall not be allowed on projects.

CRIMPING STRAW MULCH:

Crimping shall be required on projects adjacent to any section of roadway where traffic is to be maintained or allowed during construction. In areas within six feet of the edge of pavement, straw is to be applied and then crimped. After the crimping operation is complete, an additional application of straw shall be applied and immediately tacked with a sufficient amount of undiluted emulsified asphalt.

Straw mulch shall be sufficient length and quality to withstand the crimping operation.

Crimping equipment including power source shall be subject to the approval of the Engineer providing that maximum spacing of crimper blades shall not exceed 8".

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Sheet # 3 of 3
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Greenville, North Carolina 27834

CITY OF GREENVILLE, N.C.
USE WITH THE CITY OF GREENVILLE, N.C. STANDARD SPECIFICATIONS ONLY

EROSION CONTROL GUIDE

Scale: not to scale
Sheet # 3 of 3
310.01

NCDENR Stormwater Discharge Permit for Construction Activities (NCG01)

NCDENR Division of Energy, Mineral and Land Resources

STABILIZATION TIMEFRAMES
(Effective Aug. 3, 2011)

SITE AREA DESCRIPTION	STABILIZATION	TIMEFRAME EXCEPTIONS
Perimeter dikes, swales, ditches, slopes	7 days	None
High Quality Water (HQW) Zones	7 days	None
Slopes steeper than 3:1	7 days	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed.
Slopes 3:1 or flatter	14 days	7 days for slopes greater than 50' in length.
All other areas with slopes flatter than 4:1	14 days	None, except for perimeters and HQW Zones.

GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCG01 CONSTRUCTION GENERAL PERMIT

Implementing the details and specifications on this plan sheet will result in the construction activity being considered compliant with the Ground Stabilization and Materials Handling sections of the NCG01 Construction General Permit (Sections E and F, respectively). The permittee shall comply with the Erosion and Sediment Control plan approved by the delegated authority having jurisdiction. All details and specifications shown on this sheet may not apply depending on site conditions and the delegated authority having jurisdiction.

SECTION E: GROUND STABILIZATION

Required Ground Stabilization Timeframes

Site Area Description	Stabilize within this many calendar days after ceasing land disturbance	Timeframe variations
(a) Perimeter dikes, swales, ditches, and perimeter slopes	7	None
(b) High Quality Water (HQW) Zones	7	None
(c) Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed.
(d) Slopes 3:1 to 4:1	14	- 7 days for slopes greater than 50' in length and with slopes steeper than 4:1 - 7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones - 10 days for Falls Lake Watershed
(e) Areas with slopes flatter than 4:1	14	- 7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones - 10 days for Falls Lake Watershed unless there is zero slope

Note: After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 90 calendar days after the last land disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is achieved.

GROUND STABILIZATION SPECIFICATION

Stabilize the ground sufficiently so that rain will not dislodge the soil. Use one of the techniques in the table below:

Temporary Stabilization	Permanent Stabilization
<ul style="list-style-type: none"> Temporary grass seed covered with straw or other mulches and tackifiers Hydroseeding Roller erosion control products with or without temporary grass seed Appropriately applied straw or other mulch Plastic sheeting 	<ul style="list-style-type: none"> Permanent grass seed covered with straw or other mulches and tackifiers Geotextile fabrics such as permanent soil reinforcement matting Hydroseeding Shrubs or other permanent plantings covered with mulch Uniform and evenly distributed ground cover sufficient to restrain erosion Structural methods such as concrete, asphalt or retaining walls Roller erosion control products with grass seed

POLYACRYLAMIDES (PAMS) AND FLOCCULANTS

- Select flocculants that are appropriate for the soils being exposed during construction, selecting from the NCDWR List of Approved PAMS/Flocculants.
- Apply flocculants at or before the inlets to Erosion and Sediment Control Measures.
- Apply flocculants at the concentrations specified in the NCDWR List of Approved PAMS/Flocculants and in accordance with the manufacturer's instructions.
- Provide ponding area for containment of treated stormwater before discharging offsite.
- Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

EQUIPMENT AND VEHICLE MAINTENANCE

- Maintain vehicles and equipment to prevent discharge of fluids.
- Provide drip pans under any stored equipment.
- Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.
- Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).
- Remove leaking vehicles and construction equipment from service until the problem has been corrected.
- Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products to a recycling or disposal center that handles these materials.

LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE

- Never bury or burn waste. Place litter and debris in approved waste containers.
- Provide a sufficient number and size of waste containers (e.g. dumpster, trash receptacle) on site to contain construction and domestic wastes.
- Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Locate waste containers on areas that do not receive substantial amounts of runoff from upland areas and does not drain directly to a storm drain, stream or wetland.
- Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
- Anchor all lightweight items in waste containers during times of high winds.
- Empty waste containers as needed to prevent overflowing. Clean up immediately if containers overflow.
- Dispose waste off-site at an approved disposal facility.
- On business days, clean up and dispose of waste in designated waste containers.

PAINT AND OTHER LIQUID WASTE

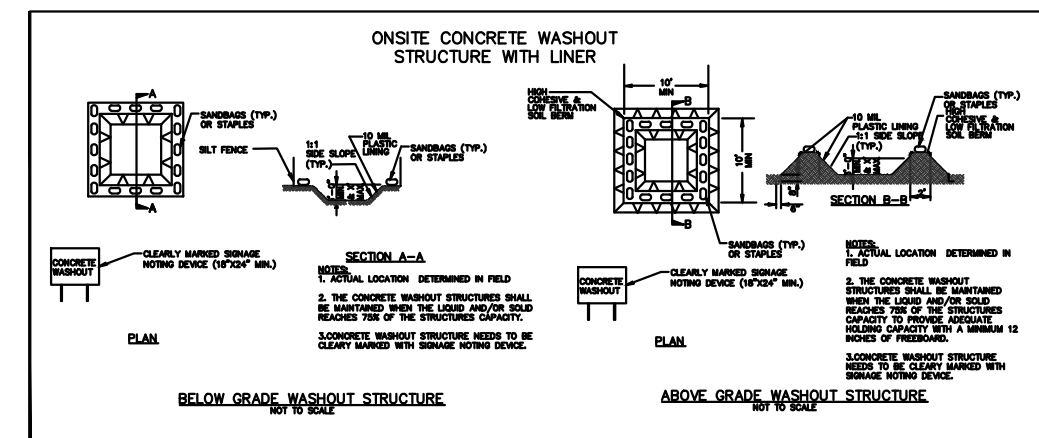
- Do not dump paint and other liquid waste into storm drains, streams or wetlands.
- Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Contain liquid wastes in a controlled area.
- Containment must be labeled, sized and placed appropriately for the needs of site.
- Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites.

PORTABLE TOILETS

- Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands unless there is no alternative reasonably available. If 50 foot offset is not attainable, provide relocation of portable toilet behind silt fence or place on a gravel pad and surround with sand bags.
- Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
- Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace with properly operating unit.

EARTHEN STOCKPILE MANAGEMENT

- Show stockpile locations on plans. Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably available.
- Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
- Provide stable stone access point when feasible.
- Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated erosion on disturbed soils for temporary or permanent control needs.



CONCRETE WASHOUTS

- Do not discharge concrete or cement slurry from the site.
- Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
- Manage washout from mortar mixers in accordance with the above item and in addition place the mixer and associated materials on impervious barrier and within lot perimeter silt fence.
- Install temporary concrete washouts per local requirements, where applicable. If an alternate method or product is to be used, contact your approval authority for review and approval. If local standard details are not available, use one of the two types of temporary concrete washouts provided on this detail.
- Do not use temporary concrete washouts for de-watering or storing defective curb or sidewalk sections. Stormwater accumulated within the washout may not be pumped into or discharged to the storm drain system or receiving surface waters. Liquid waste must be pumped out and removed from project.
- Locate washouts at least 50 feet from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonably available. At a minimum, install protection of storm drain inlet(s) closest to the washout which could receive spills or overflow.
- Locate washouts in an easily accessible area, on level ground and install a stone entrance pad in front of the washout. Additional controls may be required by the approving authority.
- Install at least one sign directing concrete trucks to the washout within the project limits. Post signage on the washout itself to identify this location.
- Remove leavings from the washout when at approximately 75% capacity to limit overflow events. Replace the tarp, sand bags or other temporary structural components when no longer functional. When utilizing alternative or proprietary products, follow manufacturer's instructions.
- At the completion of the concrete work, remove remaining leavings and dispose of in an approved disposal facility. Fill pit, if applicable, and stabilize any disturbance caused by removal of washout.

HERBICIDES, PESTICIDES AND RODENTICIDES

- Store and apply herbicides, pesticides and rodenticides in accordance with label restrictions.
- Store herbicides, pesticides and rodenticides in their original containers with the label, which lists directions for use, ingredients and first aid steps in case of accidental poisoning.
- Do not store herbicides, pesticides and rodenticides in areas where flooding is possible or where they may spill or leak into wells, stormwater drains, ground water or surface water. If a spill occurs, clean area immediately.
- Do not stockpile these materials onsite.

HAZARDOUS AND TOXIC WASTE

- Create designated hazardous waste collection areas on-site.
- Place hazardous waste containers under cover or in secondary containment.
- Do not store hazardous chemicals, drums or bagged materials directly on the ground.

NCG01 GROUND STABILIZATION AND MATERIALS HANDLING EFFECTIVE: 04/01/19

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION A: SELF-INSPECTION

Self-inspections are required during normal business hours in accordance with the table below. When adverse weather or site conditions would cause the safety of the inspection personnel to be in jeopardy, the inspection may be delayed until the next business day on which it is safe to perform the inspection. In addition, when a storm event of equal to or greater than 1.0 inch occurs outside of normal business hours, the self-inspection shall be performed upon the commencement of the next business day. Any time when inspections were delayed shall be noted in the inspection Record.

Inspect	Frequency (during normal business hours)	Inspection records must include:
(1) Rain gauge maintained in good working order	Daily	Daily rain/all amounts. If no daily rain gauge observations are made during weekend or holiday periods, and no individual-day rainfall information is available, record the cumulative rain measurement for those unattended days (and this will determine if a site inspection is needed). Days on which no rainfall occurred shall be recorded as "zero." The permittee may use another rain-monitoring device approved by the Division.
(2) E&S Measures	At least once per 7 calendar days and within 24 hours of a rain event > 1.0 inch in 24 hours	1. Identification of the measures inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Indication of whether the measures were operating properly, 5. Description of maintenance needs for the measure, 6. Description, evidence, and date of corrective actions taken.
(3) Stormwater discharge outfalls (SDOs)	At least once per 7 calendar days and within 24 hours of a rain event > 1.0 inch in 24 hours	1. Identification of the discharge outfalls inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Evidence of indicators of stormwater pollution such as oil sheen, floating or suspended solids or discoloration, 5. Indication of visible sediment leaving the site, 6. Description, evidence, and date of corrective actions taken.
(4) Perimeter of site	At least once per 7 calendar days and within 24 hours of a rain event > 1.0 inch in 24 hours	1. Visible sedimentation is found outside site limits, then a record of the following shall be made: 1. Actions taken to clean up or stabilize the sediment that has left the site limits, 2. Description, evidence, and date of corrective actions taken, and 3. An explanation as to the actions taken to control future releases.
(5) Streams or wetlands onsite or offsite (where accessible)	At least once per 7 calendar days and within 24 hours of a rain event > 1.0 inch in 24 hours	If the stream or wetland has increased visible sedimentation or a stream has visible increased turbidity from the construction activity, then a record of the following shall be made: 1. Description, evidence and date of corrective actions taken, and 2. Records of the required reports to the appropriate Division Regional Office per Part III, Section C, Item (2)(a) of this permit of this permit.
(6) Ground stabilization measures	After each phase of grading	1. The phase of grading (installation of perimeter E&S measures, clearing and grubbing, installation of storm drainage facilities, completion of all land disturbing activity, construction or redevelopment, permanent ground cover), 2. Documentation that the required ground stabilization measures have been provided within the required timeframe or an assurance that they will be provided as soon as possible.

NOTE: The rain inspection resets the required 7 calendar day inspection requirement.

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION B: RECORDKEEPING

1. E&S Plan Documentation

The approved E&S Plan as well as any approved deviation shall be kept on the site. The approved E&S plan must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the E&S plan shall be documented in the manner described:

Item to Document	Documentation Requirements
(a) Each E&S Measure has been installed and does not significantly deviate from the locations, dimensions and relative elevations shown on the approved E&S Plan.	Initial and date each E&S Measure on a copy of the approved E&S Plan or complete, date and sign an inspection report that lists each E&S Measure shown on the approved E&S Plan. This documentation is required upon the initial installation of the E&S Measures or if the E&S Measures are modified after initial installation.
(b) A phase of grading has been completed.	Initial and date a copy of the approved E&S Plan or complete, date and sign an inspection report to indicate completion of the construction phase.
(c) Ground cover is located and installed in accordance with the approved E&S Plan.	Initial and date a copy of the approved E&S Plan or complete, date and sign an inspection report to indicate compliance with approved ground cover specifications.
(d) The maintenance and repair requirements for all E&S Measures have been performed.	Complete, date and sign an inspection report.
(e) Corrective actions have been taken to E&S Measures.	Initial and date a copy of the approved E&S Plan or complete, date and sign an inspection report to indicate the completion of the corrective action.

2. Additional Documentation

In addition to the E&S Plan documents above, the following items shall be kept on the site and available for agency inspectors at all times during normal business hours, unless the Division provides a site-specific exemption based on unique site conditions that make this requirement not practical:

- This general permit as well as the certificate of coverage, after it is received.
- Records of inspections made during the previous 30 days. The permittee shall record the required observations on the Inspection Record Form provided by the Division or a similar inspection form that includes all the required elements. Use of electronically-available records in lieu of the required paper copies will be allowed if shown to provide equal access and utility as the hard-copy records.
- All data used to complete the Notice of Intent and older inspection records shall be maintained for a period of three years after project completion and made available upon request. [40 CFR 122.41]

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION C: REPORTING

1. Occurrences that must be reported

Permittees shall report the following occurrences:

- Visible sediment deposition in a stream or wetland.
- Oil spills if:
 - They are 25 gallons or more,
 - They are less than 25 gallons but cannot be cleaned up within 24 hours,
 - They cause sheen on surface waters (regardless of volume), or
 - They are within 100 feet of surface waters (regardless of volume).
- Releases of hazardous substances in excess of reportable quantities under Section 311 of the Clean Water Act (Ref: 40 CFR 110.3 and 40 CFR 117.3) or Section 102 of CERCLA (Ref: 40 CFR 302.4) or G.S. 143-215.85.
- Anticipated bypasses and unanticipated bypasses.
- Noncompliance with the conditions of this permit that may endanger health or the environment.

2. Reporting Timeframes and Other Requirements

After a permittee becomes aware of an occurrence that must be reported, he shall contact the appropriate Division regional office within the timeframes and in accordance with the other requirements listed below. Occurrences outside normal business hours may also be reported to the Division's Emergency Response personnel at (800) 662-7956, (800) 858-0368 or (919) 733-3300.

Occurrence	Reporting Timeframes (After Discovery) and Other Requirements
(a) Visible sediment deposition in a stream or wetland	<ul style="list-style-type: none"> Within 24 hours, an oral or electronic notification. Within 7 calendar days, a report that contains a description of the sediment and actions taken to address the cause of the deposition. Division staff may waive the requirement for a written report on a case-by-case basis.
(b) Oil spills and release of hazardous substances per item 1(b)-(c) above	<ul style="list-style-type: none"> A report at least 10 days before the date of the bypass, if possible. The notification shall include information about the date, time, nature, volume and location of the spill or release.
(c) Anticipated bypasses [40 CFR 122.41(m)(3)]	<ul style="list-style-type: none"> A report at least 10 days before the date of the bypass, if possible. The report shall include an evaluation of the anticipated quality and effect of the bypass.
(d) Unanticipated bypasses [40 CFR 122.41(m)(3)]	<ul style="list-style-type: none"> Within 24 hours, an oral or electronic notification. Within 7 calendar days, a report that includes an evaluation of the quality and effect of the bypass.
(e) Noncompliance with the conditions of this permit that may endanger health or the environment [40 CFR 122.41(j)(7)]	<ul style="list-style-type: none"> Within 24 hours, an oral or electronic notification. Within 7 calendar days, a report that contains a description of the noncompliance, and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time noncompliance is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. [40 CFR 122.41(i)(6)]. Division staff may waive the requirement for a written report on a case-by-case basis.

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Drawn By: EW
Checked By: BTO
Project Number: 17042
Drawing Number: D-1141

NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING EFFECTIVE: 04/01/19

ATLANTIC AVENUE PARKING LOT "B"

City of Greenville, Pitt County, North Carolina

Date: 10-05-2020

C-5A

REVISIONS:

NO.	DATE	DESCRIPTION
1	7/27/2019	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
2	7/27/2019	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
3	9/27/2020	REVISED PER NEW PROPERTY BOUNDARY
4	10/27/2020	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
5	10/27/2020	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
6	11/23/2021	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
7	12/17/2021	ADDED PARCEL 2750 AND REVISED PARKING LOT ENTRANCE
8	12/17/2021	REVISED PER CITY OF GREENVILLE SITE PLAN REVIEW COMMENTS

COMMENTS:

17/2/2025 REVISED PER CITY OF GREENVILLE REVIEW COMMENTS

Erosion Control Measures:

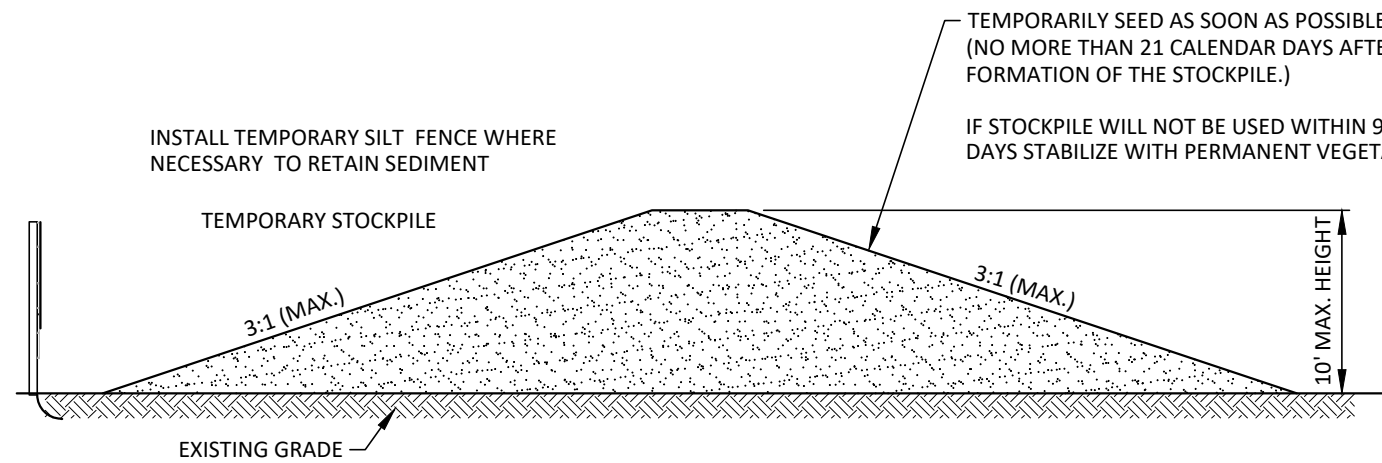
- All work will be done in accordance with the City of Greenville Erosion Control Ordinance. No land disturbing activity beyond that required to install the appropriate erosion control measures may proceed until measures are inspected and approved by the City of Greenville. Call (252) 329-4467 to schedule an inspection.
- Prior to topsoil removal, all perimeter silt fence and temporary gravel construction entrances shall be installed. After topsoil removal, storm drainage culverts and structures shall be installed. Rock Inlet Sediment Traps shall be placed around all drainage structures to collect surface runoff and control siltation and release water at a gradual rate. All easements outside the parking lot where storm pipes are installed will be graded, seeded and mulched.
- Parking lots shall have stone base placed on them for stabilization and shoulders shall be seeded to stabilize the soil. Seed bed preparation shall be conducted according to North Carolina Department of Transportation Standard Specifications for Roads and Structures (D.O.T.). The ground surface shall be cleared of stumps, stones, roots, cables, wire, grade stakes, and other materials that might hinder proper grading, tillage, seeding or subsequent maintenance operations. Grades on the area to be seeded shall be maintained in a true and even condition. Maintenance shall include any necessary repairs to previously graded areas. All graded areas shall be thoroughly tilled to a depth of at least four (4) inches by plowing, disking, harrowing, or other approved methods until the condition of the soil is acceptable. On sites where soil conditions are such that high clay content and excessive compaction cause difficulty in getting clods and lumps effectively pulverized, the Contractor shall use the rotary tillage machinery until the mixing of the soil is acceptable and no clods or clumps remain larger than 1 1/2 inches in diameter. A firm and compact seed bed is required and after being graded, the seed bed shall be lightly compacted with a land roller, such as a cultipacker, before and after seeding. Limestone shall be dolomitic agricultural ground limestone containing not less than 10 percent magnesium oxide. Lime shall be uniformly applied at the rate of 2 tons per acre. Fertilizer shall be uniformly applied at a rate of 500 pounds per acre of 10-20-20 analysis. The fertilizer shall be incorporated into the upper three or four inches of prepared seed bed just prior to the last tillage operation, but in no case shall it be applied more than three days prior to seeding. Fertilizer shall be used immediately after delivery or stored in a manner that will not permit it to harden or destroy its effectiveness.

When hydroseeding equipment is used for seeding, fertilizer shall be applied simultaneously with seed, using the above rates of application. Seed shall be certified seed or equivalent based on North Carolina Seed Improvement Association requirements for certification. All seed shall be furnished in sealed standard containers. Seed which has become wet, moldy, or otherwise damaged prior to seeding will not be acceptable. Seeding shall be accomplished with hand planters, power-drawn planters, hand packers, or hydroseeding equipment.

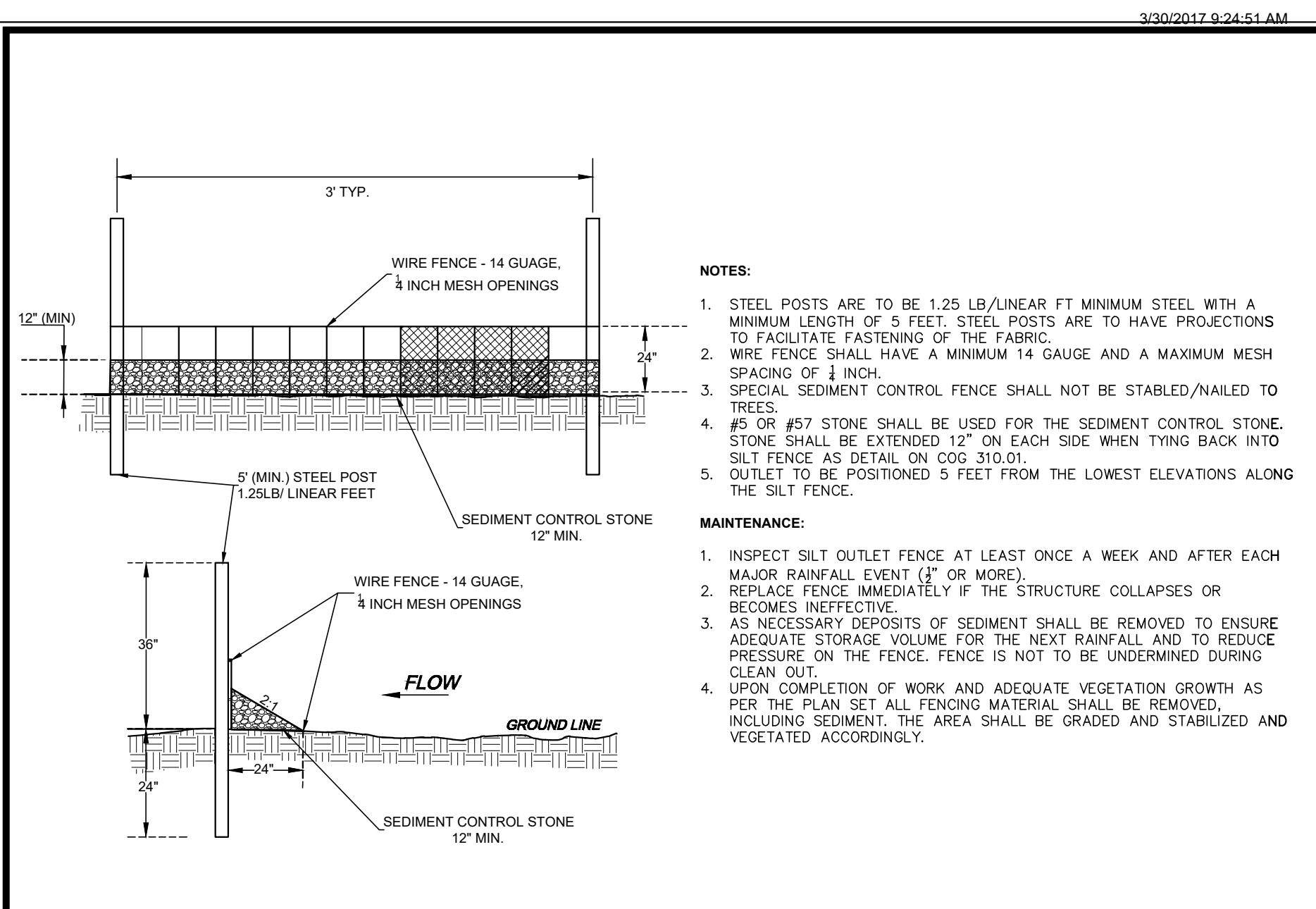
- Ground Stabilization (Per NCG010000)
 - Soil stabilization shall be achieved on any area of a site where land-disturbing activities have temporarily or permanently ceased according to the following schedule:
 - All perimeter dikes, swales, ditches, perimeter slopes and all slopes steeper than 3 horizontal to 1 vertical (3:1) shall be provided temporary or permanent stabilization with ground cover as soon as practicable but in any event within 7 calendar days from the last land-disturbing activity.
 - All other disturbed areas shall be provided temporary or permanent stabilization with ground cover as soon as practicable but in any event within 14 calendar days from the last land-disturbing activity.
 - Conditions in meeting the stabilization requirements above, the following conditions or exemptions shall apply:
 - Extensions of time may be approved by the permitting authority based on weather or other site-specific conditions that make compliance impracticable.
 - All slopes 50' in length or greater shall apply the ground cover within 7 days except when the slope is flatter than 4:1. Slopes less than 50' shall apply ground cover within 14 days except when slopes are steeper than 3:1, the 7 day requirement applies.
 - Any sloped area flatter than 4:1 shall be exempt from the 7-day ground cover requirement.
 - Slopes 10' or less in length shall be exempt from the 7-day ground cover requirement except when the slope is steeper than 2:1.
 - Although stabilization is usually specified as ground cover, other methods, such as chemical stabilization, may be allowed on a case-by-case basis.
 - For portions of projects within the Sediment Control Commission-defined "High Quality Water Zone" (15A NCAC 04A. 0105), stabilization with ground cover shall be achieved as soon as practicable but in any event on all areas of the site within 7 calendar days from the last land-disturbing act.
 - Portions of a site that are lower in elevation than adjacent discharge locations and are not expected to discharge during construction may be exempt from the temporary ground cover requirements if identified on the approved E&S plan or added by the permitting authority.

- Self Inspection and Reporting Requirements (Per NCG010000)
 - Minimum self inspection and reporting requirements are as follows unless otherwise approved in writing by the Division of Water Quality.
 - A rain gauge on the site unless another rain monitoring device has been approved by the permitting authority.
 - A written record of the daily rainfall amounts shall be retained and all records shall be made available to DWQ or authorized agent upon request. If no daily rain gauge observations are made during weekend or holiday periods, and no individual-day rainfall information is available, the cumulative rain measurement for those un-attended days will determine if a site inspection is needed. (Note: If no rainfall occurred, the permittee must record "zero").
 - Erosion and sedimentation control measures shall be inspected to ensure that they are operating correctly. Inspection records must be maintained for each inspection event and for each measure. At a minimum, inspection of measures must occur at the frequency indicated below:
 - All erosion and sedimentation control measures must be inspected by or under the direction of the permittee at least once every seven calendar days, and
 - All erosion and sediment control measures must be inspected by or under the direction of the permittee within 24 hours after any storm event of greater than 0.50 inches of rain per 24 hour period.
 - Times when a determination that adverse weather conditions prevented inspections should be documented on the Inspection Record.
 - Once land disturbance has begun on the site, stormwater runoff discharge outfalls shall be inspected by observation for erosion, sedimentation and other stormwater discharge characteristics such as clarity, floating solids, and oil sheens. Inspections of the outfalls shall be made at least once every seven calendar days and within 24 hours after any storm event of greater than 0.50 inches of rain per 24 hour period.
 - Inspections are only required to be made during business hours. When adverse weather conditions would cause the safety of the inspection personnel to be in jeopardy, the inspection can be delayed until it is deemed safe to perform these duties. If the inspection cannot be done on that day, it must be completed on the following business day.
 - Twenty-four Hour Reporting for visible sediment deposition
 - The permittee shall report to the Division of Water Quality central office or the appropriate regional office any visible sediment being deposited in any stream or wetland or other water body or the environment which may endanger health or the environment. Any information shall be provided orally or electronically within 24 hours from the time the permittee became aware of the circumstances. Visible discoloration or suspended solids in the effluent should be recorded on the Inspection Record.
 - A written submission shall be provided to the appropriate regional office of the DWQ within 5 days of the time the permittee becomes aware of the circumstances. The Division of Water Quality staff may waive the requirement for a written report on a case-by-case basis.
 - Records of inspections made during the previous 30 days shall remain on the site and available for agency inspectors at all times during normal working hours, unless the permitting authority provides a site-specific exemption based on unique site conditions that make this requirement not practical. Older records must be maintained for a period of one year after project completion and made available upon request. The records must provide the details of each inspection including observations, and actions taken in accordance with this permit. The permittee shall record the required rainfall and monitoring observations on the "Inspection Record for Activities Under Stormwater General Permit NCG010000" form provided by the Division or a similar inspection form that is inclusive of all of the elements contained in the Division's form. Electronic storage of records will be allowed if approved by the permitting authority.
 - Inspection records must include, at a minimum, the following:
 - Control Measure Inspections: Inspection records must include at a minimum:
 - identification of the measures inspected,
 - date and time of the inspection,
 - name of the person performing the inspection,
 - evidence of indicators of stormwater pollution such as oil sheen, floating or suspended solids or discoloration,
 - indication of visible sediment leaving the site,
 - actions taken to correct/prevent sedimentation and
 - date of actions taken.
 - Stormwater Discharge Inspections: Inspection records must include at a minimum:
 - identification of the discharge outfall inspected,
 - date and time of the inspection,
 - name of the person performing the inspection,
 - evidence of indicators of stormwater pollution such as oil sheen, floating or suspended solids or discoloration,
 - indication of visible sediment leaving the site,
 - actions taken to correct/prevent sedimentation and
 - date of actions taken.
 - Visible Sedimentation Found Outside the Site Limits: Inspection records must include:
 - an explanation as to the actions taken to control future releases,
 - actions taken to clean up or stabilize the sediment that has left the site limits and
 - the date of actions taken.
 - Visible Sedimentation Found in Streams or Wetlands: All inspections should include evaluation of streams or wetlands onsite or offsite (where accessible) to determine if visible sedimentation has occurred.
 - Visible Stream Turbidity - If the discharge from a site results in visible stream turbidity, inspection records must record that evidence and actions taken to reduce sediment contributions. Sites discharging to streams named on the state's 303(d) list as impaired for sediment-related causes may be required to perform additional monitoring, inspections or application of more-stringent management practices if it is determined that the additional requirements are needed to assure compliance with the federal or state impaired-waters conditions. If a discharge covered by this permit enters a stream segment that is listed on the Impaired Stream List for sediment-related causes, and a Total Maximum Daily Load (TMDL) has been prepared for those pollutants, the permittee must implement measures to ensure that the discharge of pollutants from the site is consistent with the assumptions and meets the requirements of the approved TMDL. The DWQ 303(d) list can be found at: http://h2o.enr.state.nc.us/ndm/General_303d.html

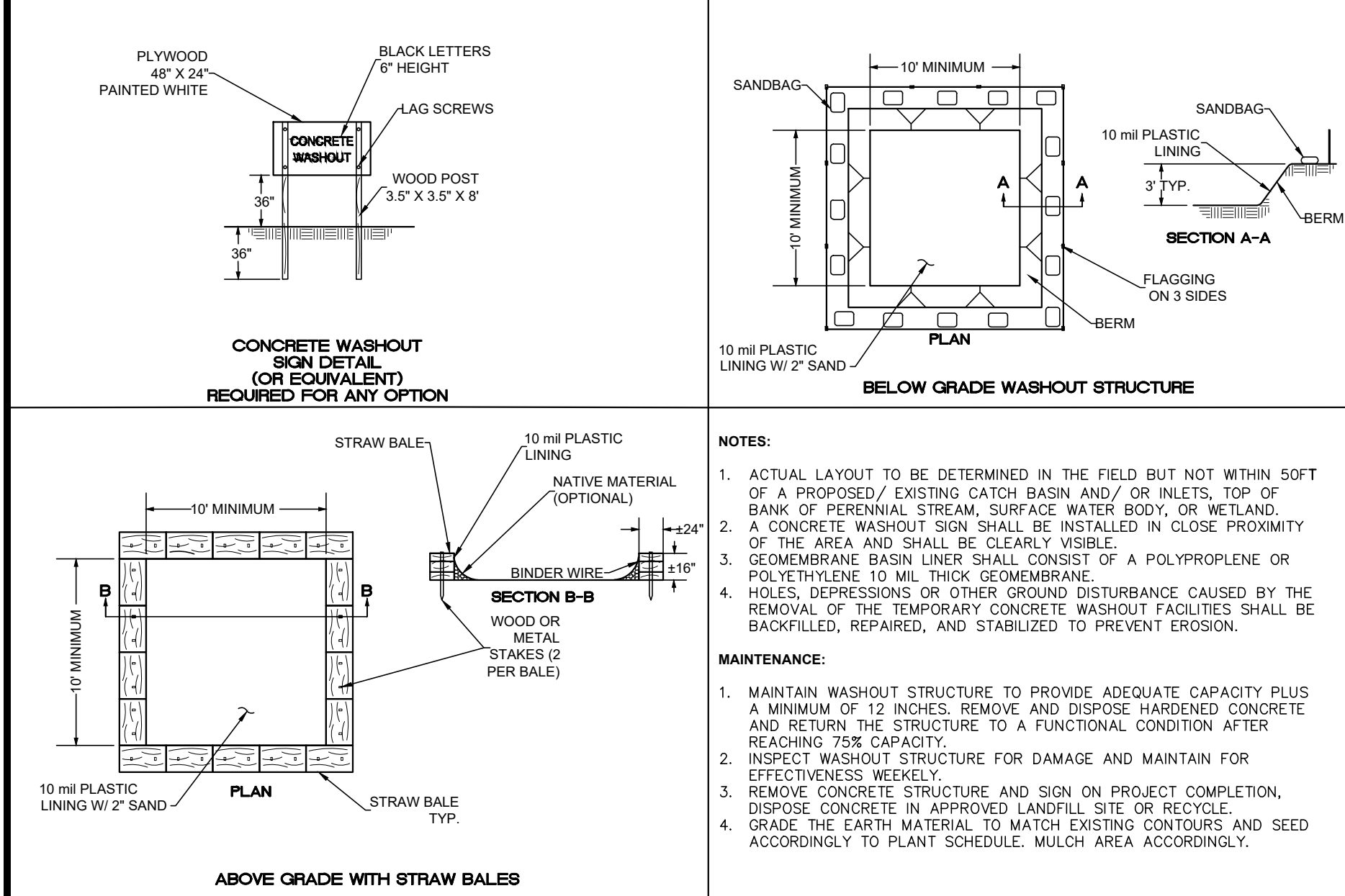
- All erosion and sedimentation control devices shall remain in place and be maintained by the Contractor until all seeding is established and construction areas have been stabilized.
- Temporary Seeding - Seed in accordance with Soil Conservation Service recommendations with regard to seed type, rate of application, fertilizer, etc.



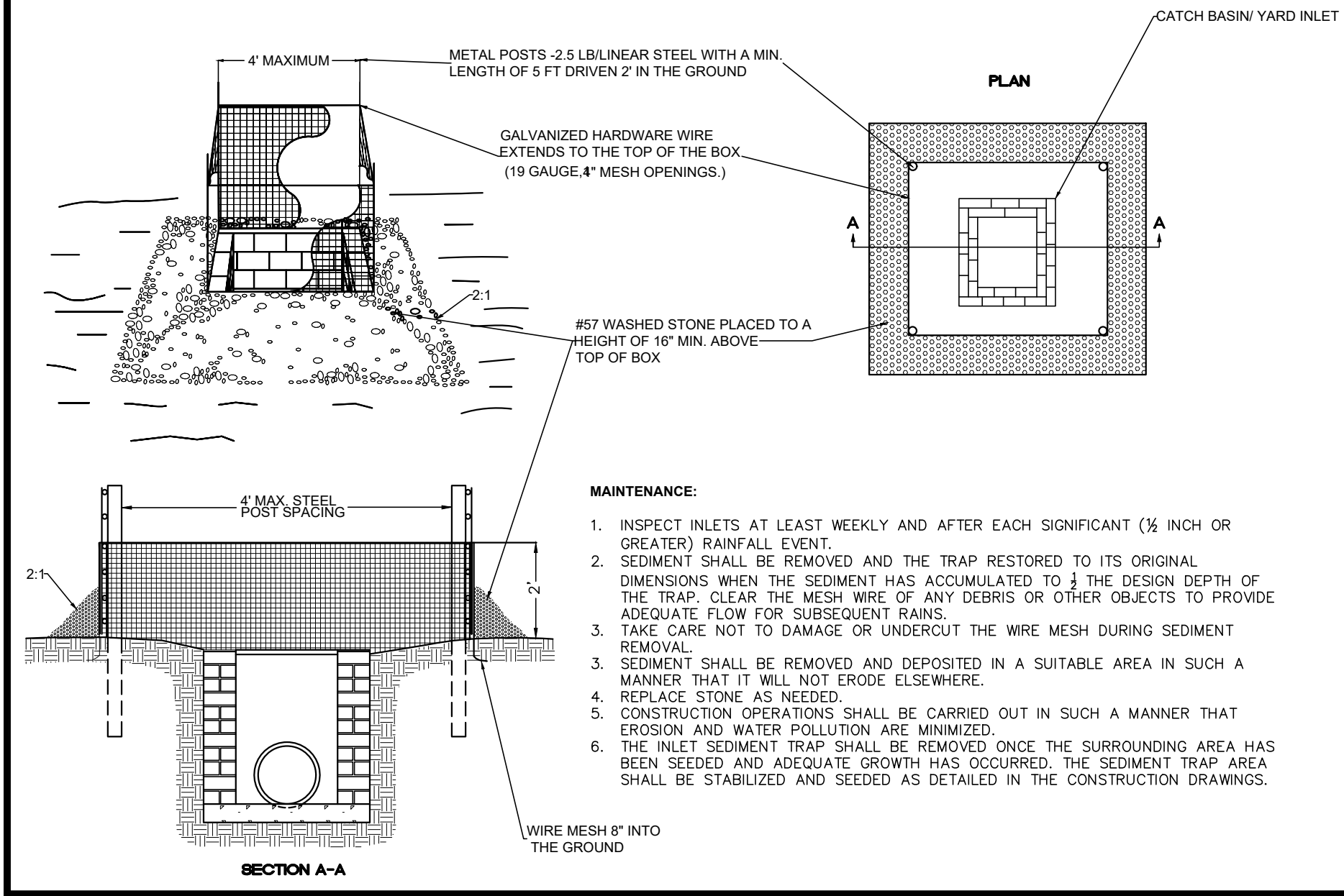
TEMPORARY STOCKPILE
NOT TO SCALE



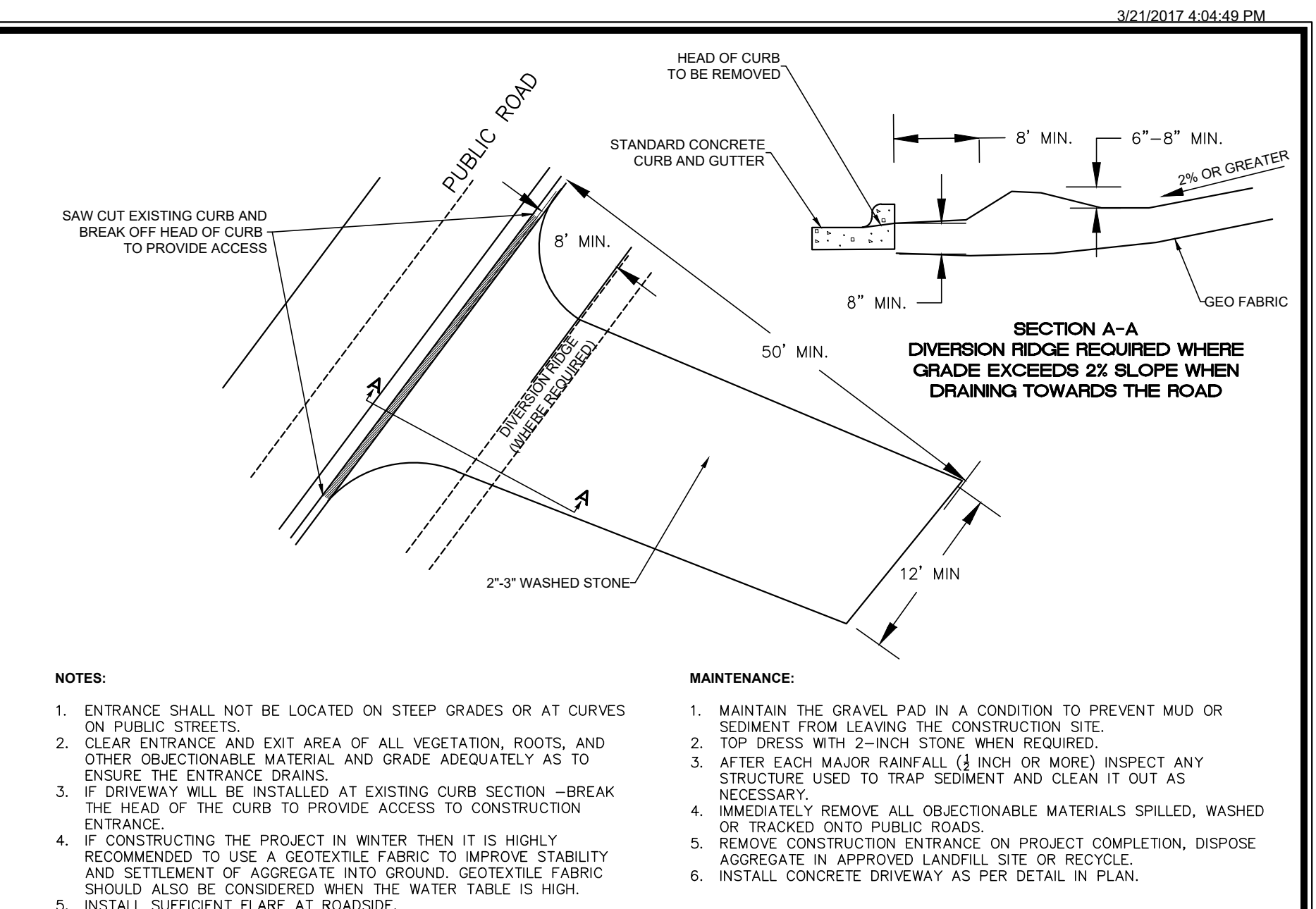
CITY OF GREENVILLE, N.C.
SILT OUTLET FENCE
Scale: not to scale, Sheet # 1 of 1, Detail # 310.02



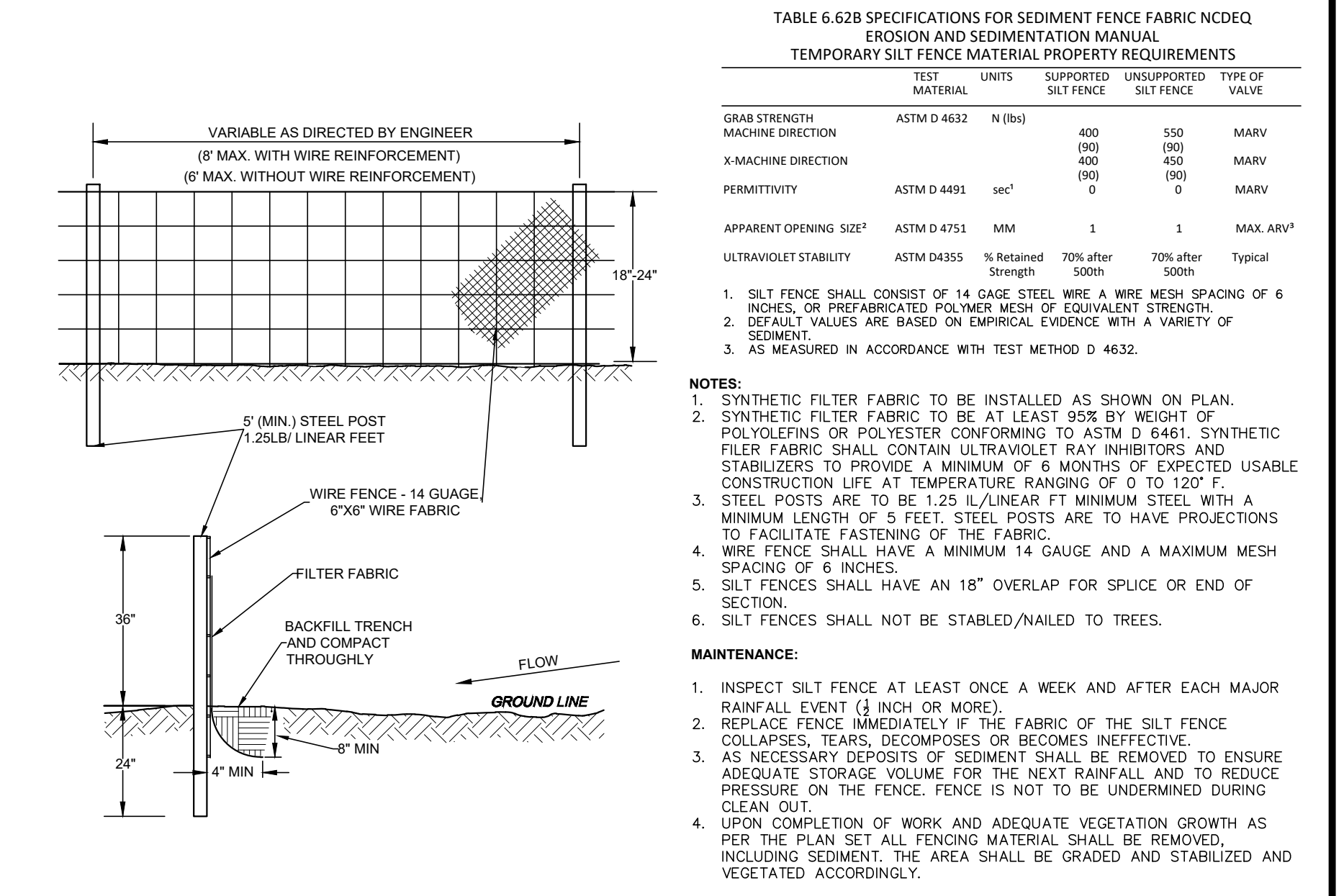
CITY OF GREENVILLE, N.C.
CONCRETE WASHOUT
Scale: not to scale, Sheet # 1 of 1, Detail # 310.30



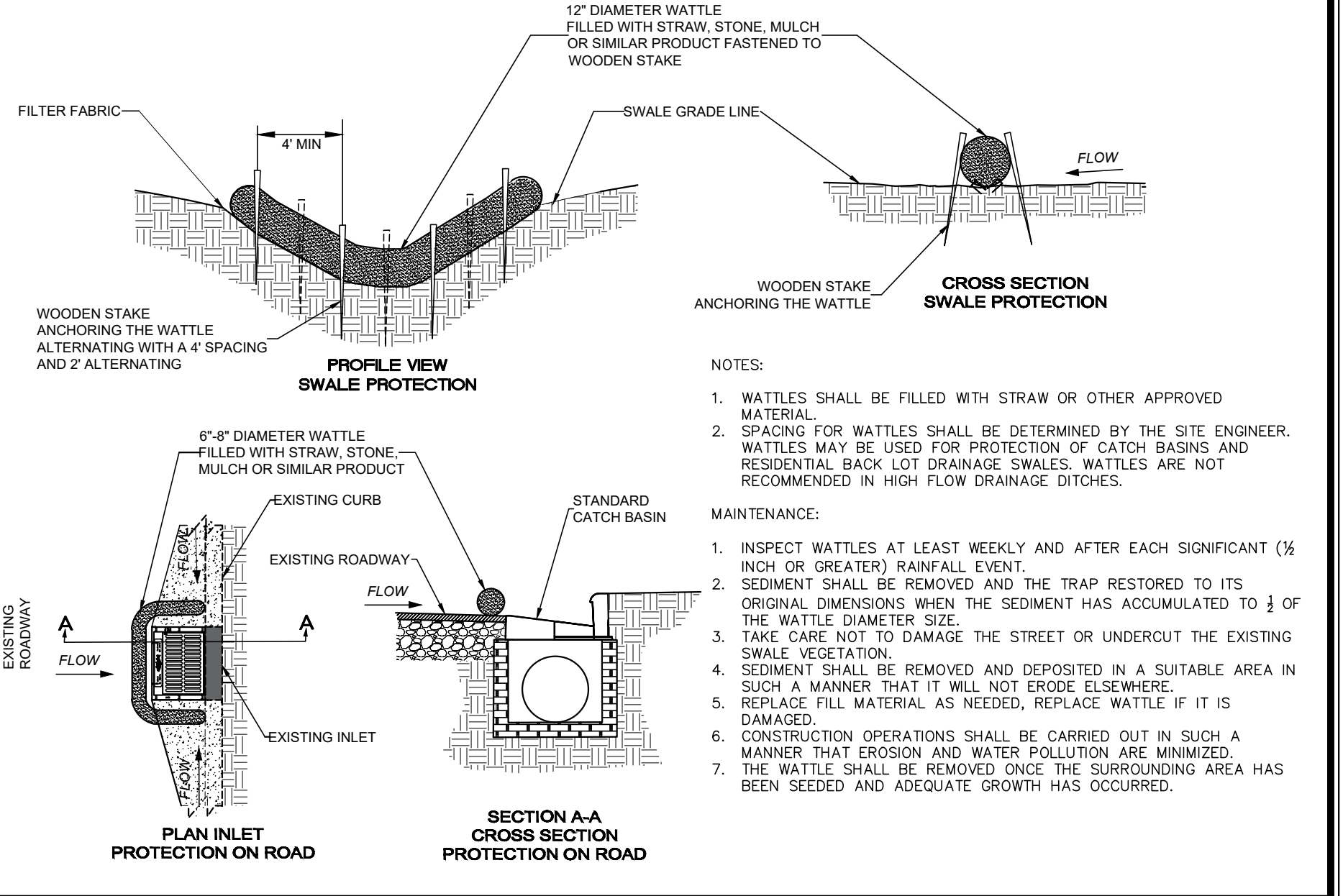
CITY OF GREENVILLE, N.C.
CATCH BASIN/YARD INLET PROTECTION
Scale: not to scale, Sheet # 1 of 1, Detail # 310.15



CITY OF GREENVILLE, N.C.
GRAVEL CONSTRUCTION ENTRANCE/EXIT DRIVEWAY TYPE
Scale: not to scale, Sheet # 1 of 1, Detail # 310.11



CITY OF GREENVILLE, N.C.
SILT FENCE
Scale: not to scale, Sheet # 1 of 1, Detail # 310.01



CITY OF GREENVILLE, N.C.
WATTLE DETAIL AROUND INLET OR SWALES
Scale: not to scale, Sheet # 1 of 1, Detail # 310.16

NO.	DATE	REVISIONS:
1	7/27/2017	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
2	7/27/2017	REVISED PER NEW PROPERTY BOUNDARY
3	8/27/2017	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
4	8/27/2017	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
5	12/29/2017	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
6	12/29/2017	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
7	12/29/2017	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
8	12/29/2017	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS

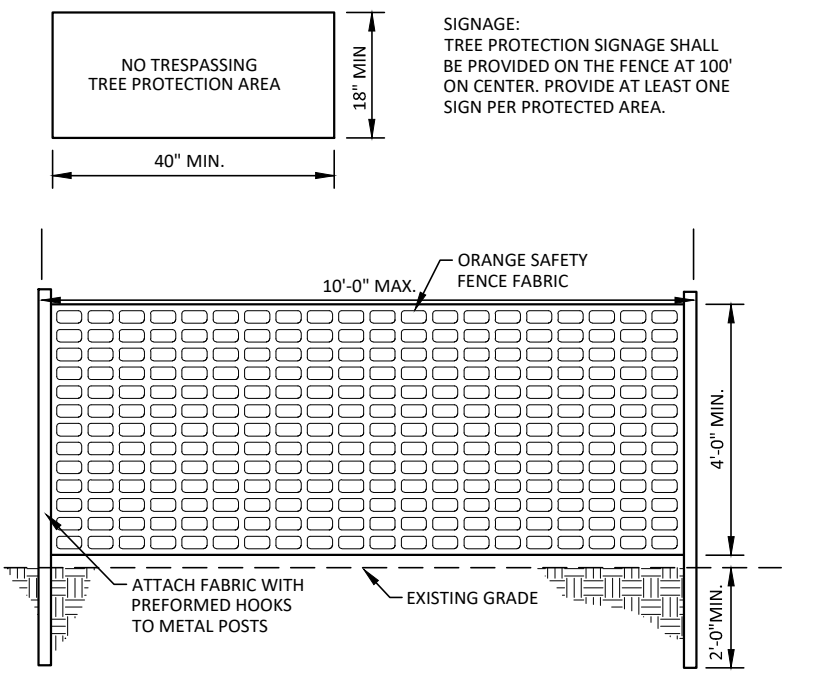


ATLANTIC AVENUE PARKING LOT "B"
City of Greenville, Pitt County, North Carolina

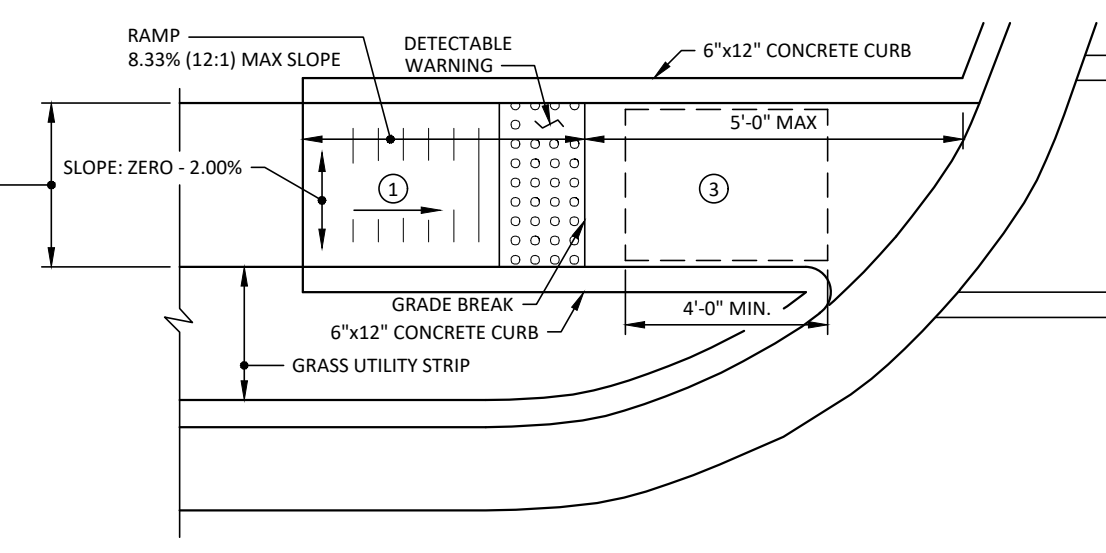
ARK CONSULTING GROUP, PLLC
ENGINEERS & PLANNERS
7755-B Charles Blvd
Greenville, NC 27858
(252) 558-0888
www.arkconsultinggroup.com

Project Manager: STA
Drawn By: EW
Checked By: BTO
Project Number: 17042
Drawing Number: D-1141

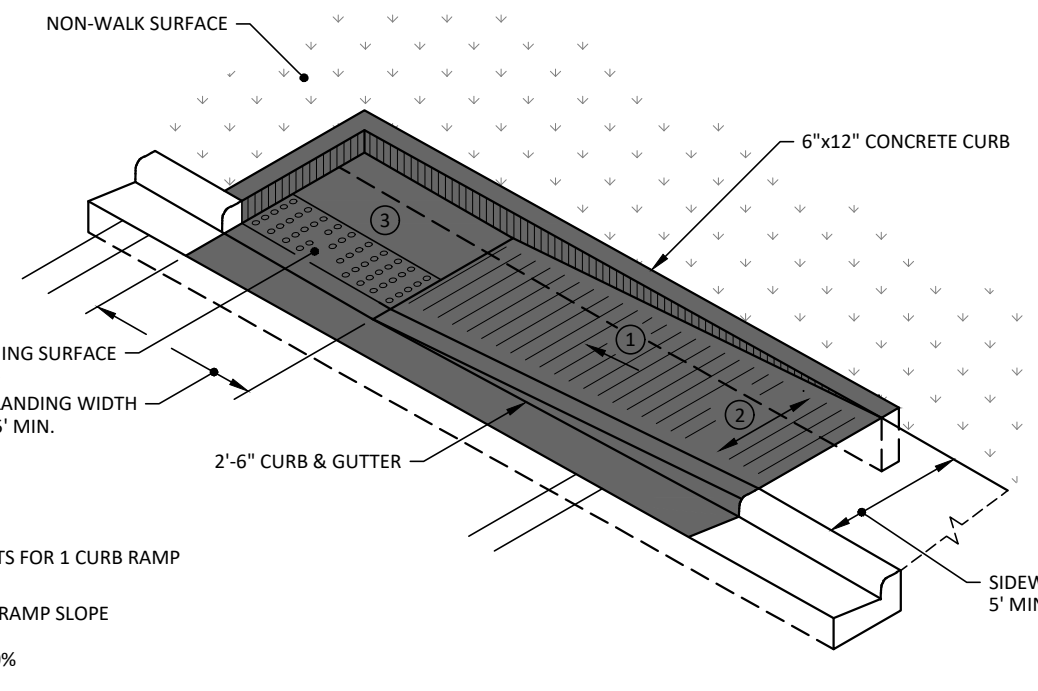
C-5B
Date: 10-05-2020



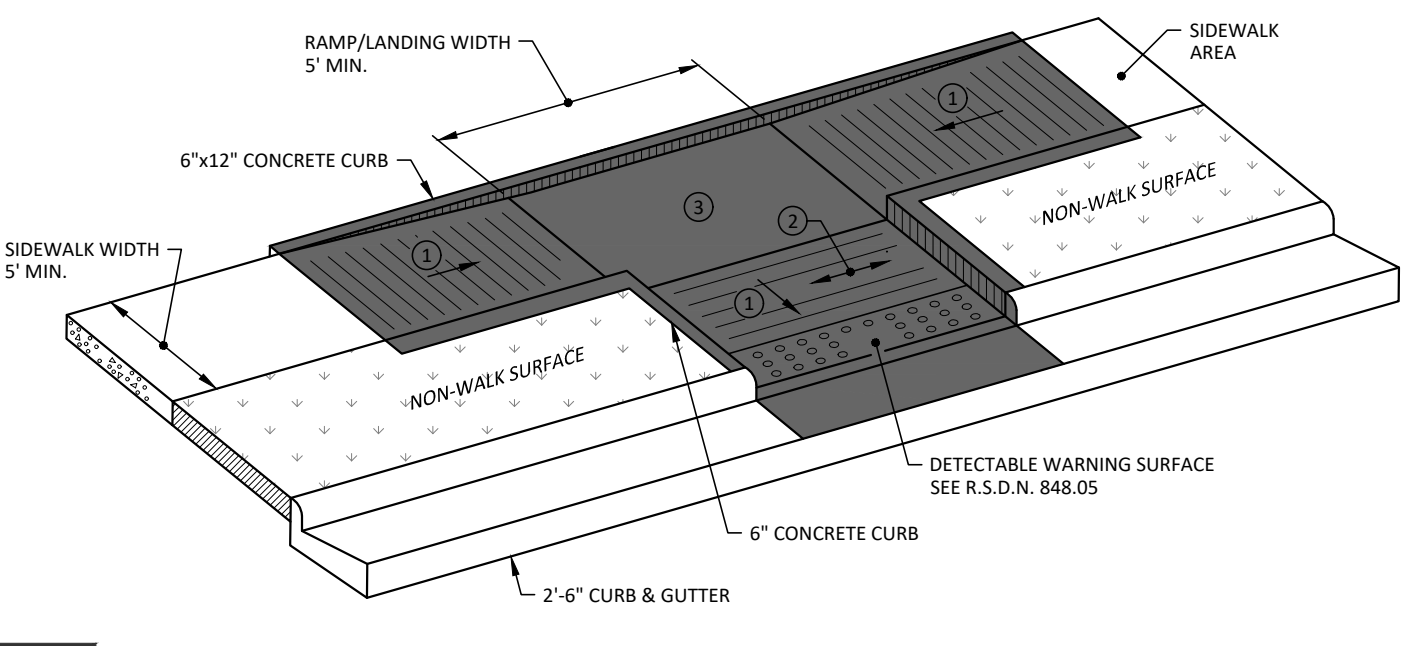
TREE PROTECTION FENCING / BARRIER FENCING
NOT TO SCALE



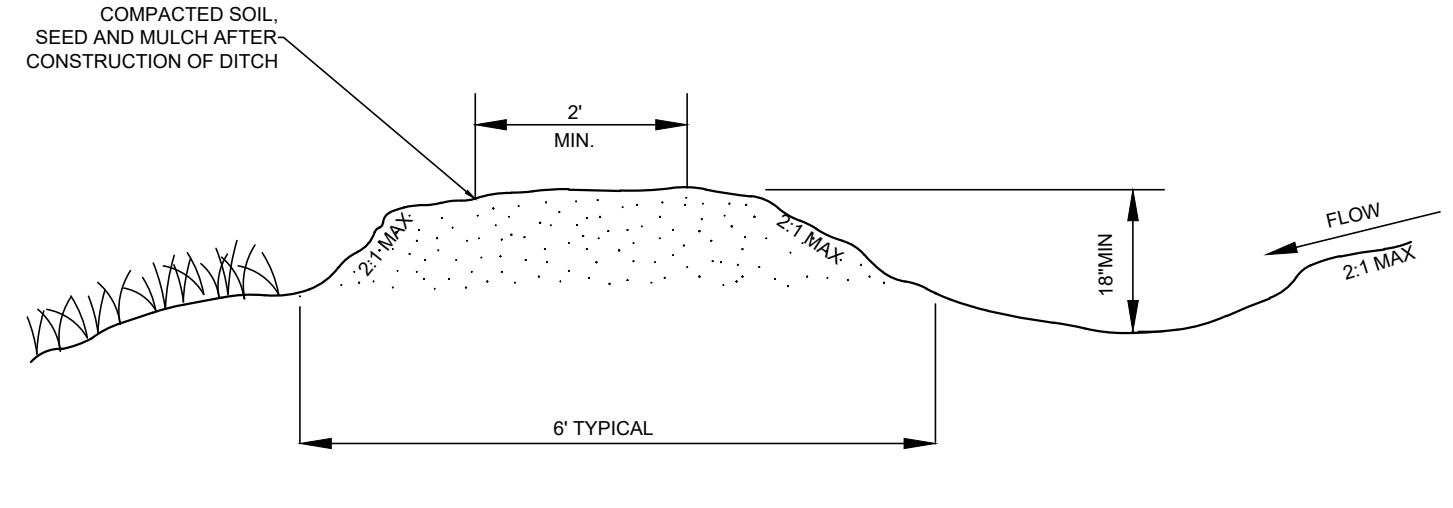
CURB RAMPS - DIRECTIONAL RAMPS
NOT TO SCALE



CURB RAMP - TYPE 1A
NOT TO SCALE



CURB RAMP - TYPE 3
NOT TO SCALE



NOTES:
1. BUILD AND STABILIZE DIVERSIONS AND OUTLETS BEFORE INITIATING OTHER LAND DISTURBING ACTIVITIES.
2. REMOVE AND DISPOSE OF ALL UNSUITABLE MATERIAL. STRIP TOPSOIL AND STOCKPILE FOR LATER USE.
3. CONSTRUCTED CROSS SECTIONS MUST MEET DESIGN AS SPECIFIED IN PLAN.
4. BERMS LOCATIONS ARE TO PROVIDE SUFFICIENT SPACE FOR EXCAVATORS AND CONSTRUCTION MACHINERY AS REQUIRED ON SITE.
5. VEGETATE THE RIDGE IMMEDIATELY AFTER CONSTRUCTION, UNLESS IT WILL REMAIN IN PLACE LESS THAN 30 WORKING DAYS.

MAINTENANCE:
1. INSPECT TEMPORARY DIVERSIONS ONCE A WEEK AND AFTER EVERY MAJOR RAINFALL EVENT (1/2 INCH OR MORE).
2. IMMEDIATELY REMOVE SEDIMENT FROM THE FLOW AREA AND REPAIR ANY DAMAGE. UPON COMPLETION OF WORK AND ADEQUATE VEGETATION GROWTH AS PER THE PLAN, ALL EROSION CONTROL MEASURES SHALL BE REMOVED, INCLUDING SEDIMENT. THE AREA SHALL BE GRADED, DITCHES COMPACTED, STABILIZED AND VEGETATED ACCORDINGLY.

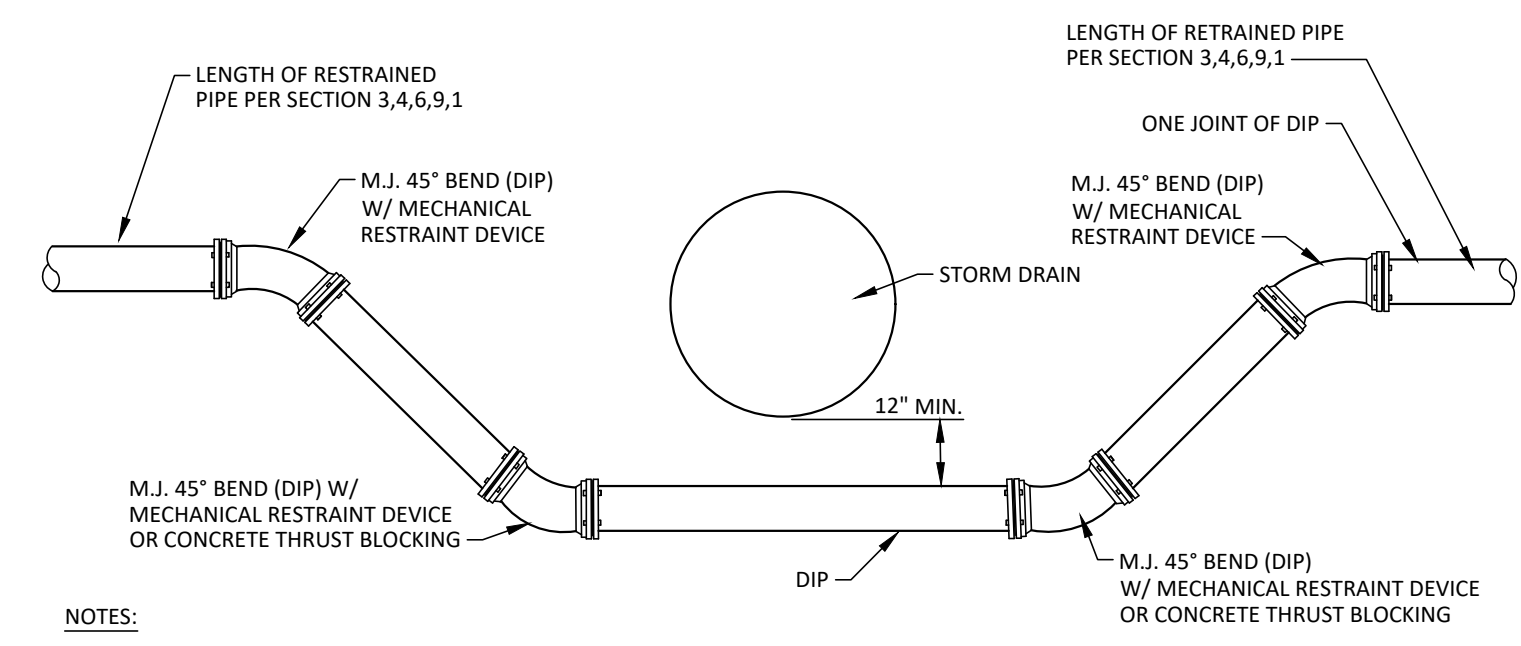
PUBLIC WORKS DEPARTMENT
1500 Beatty Street
Greenville, North Carolina 27834

CITY OF GREENVILLE, N.C.
USE WITH THE CITY OF GREENVILLE, N.C. STANDARD SPECIFICATIONS ONLY

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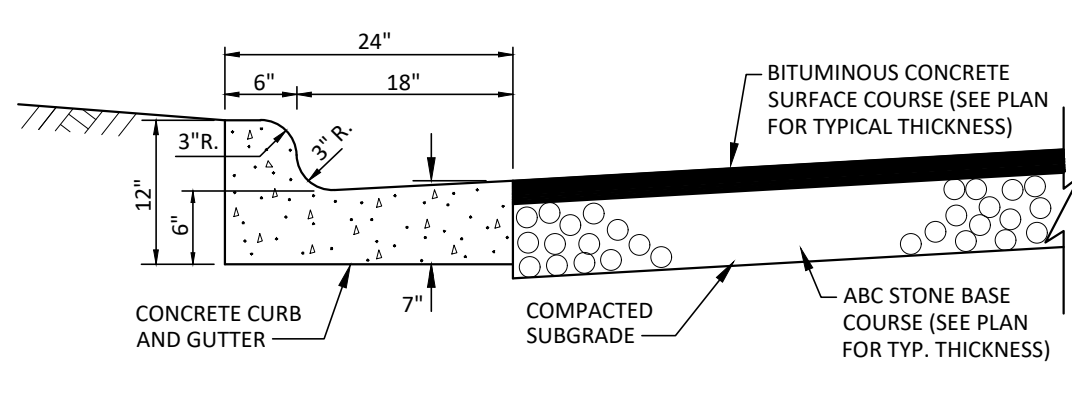
No.	Date	Description	Approved
01	02/20/07		S. GODEFROIT
Scale: not to scale		Sheet # of 1	Sheet # 310.05

TEMPORARY SILT DITCH

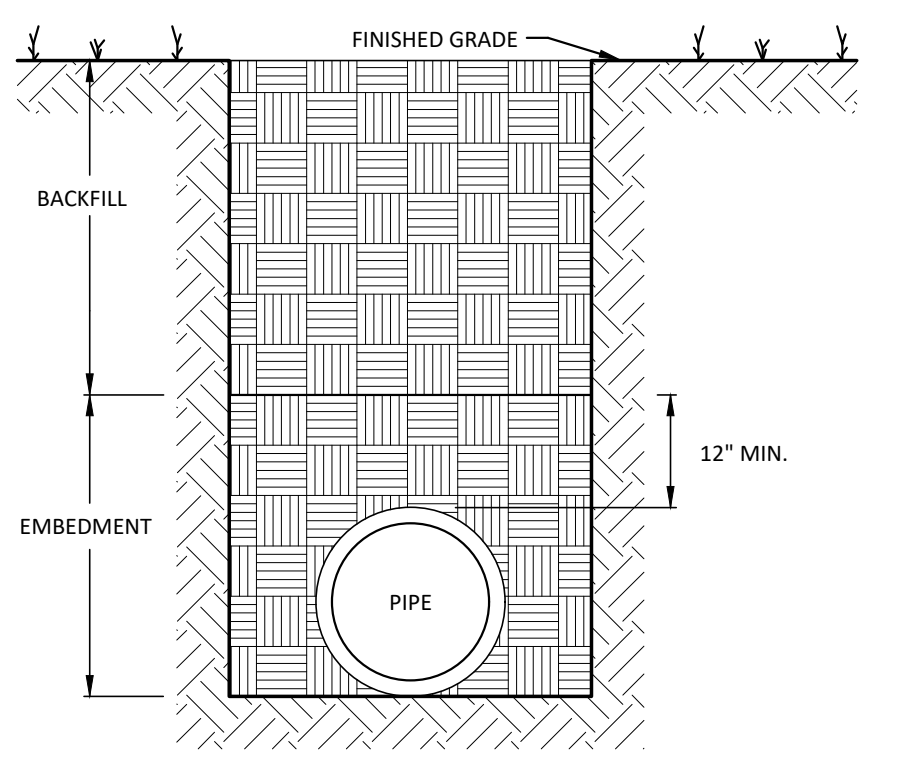


- NOTES:**
1. PLACE CONCRETE BLOCKING SUCH THAT IT WILL NOT INTERFERE WITH REMOVAL OF BOLTS.
2. PIPE DIAMETER GREATER THAN 12" SEE GUC ENGINEERING DEPT.
3. PIPE LENGTHS SHALL BE AS REQUIRED TO CONSTRUCT CROSSING.
4. ALL JOINTS TO BE RESTRAINED IN ACCORDANCE WITH MANUAL.

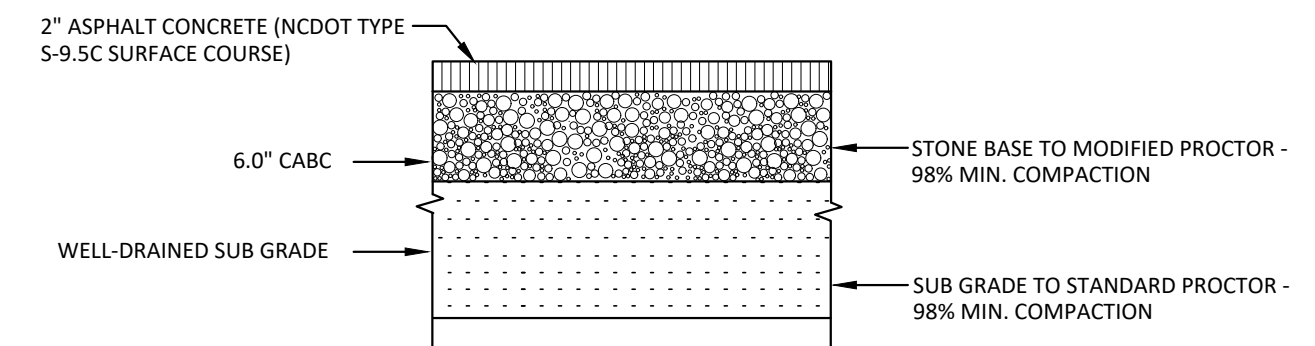
WATER MAIN AND STORM DRAIN CROSSING
(W-14)
NOT TO SCALE



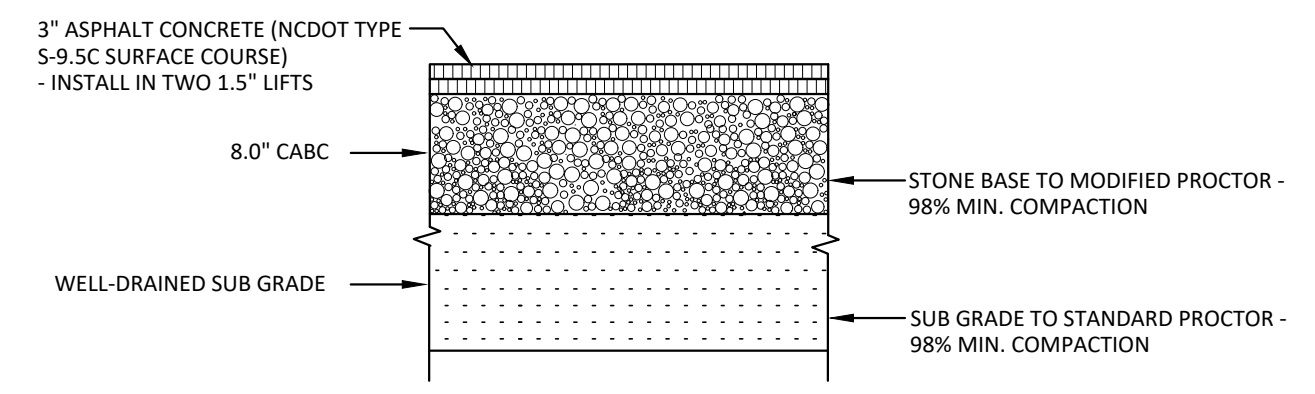
CURB AND GUTTER AND PAVEMENT DETAIL
NOT TO SCALE



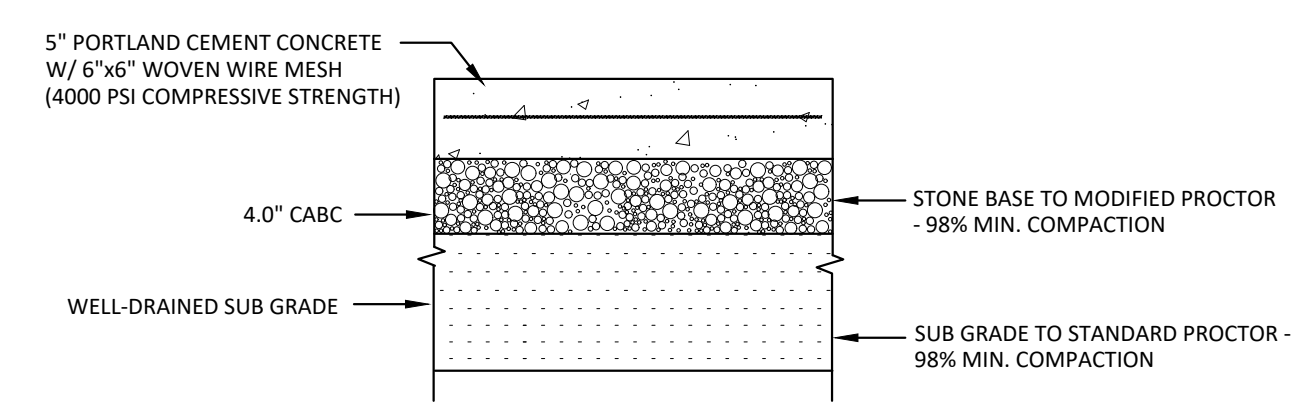
TRENCH SECTION DETAIL FOR THE INSTALLATION OF REINFORCED CONCRETE PIPE
(NOT TO SCALE)



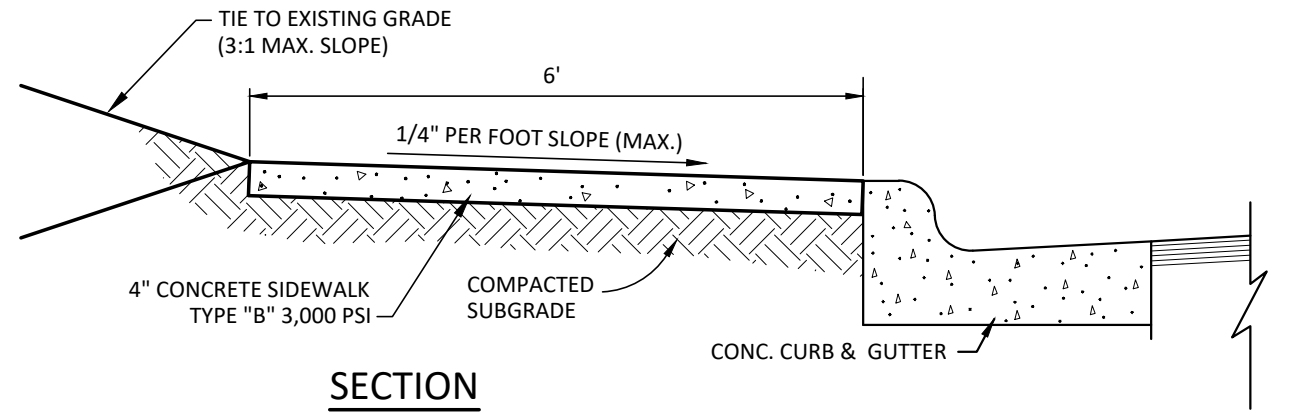
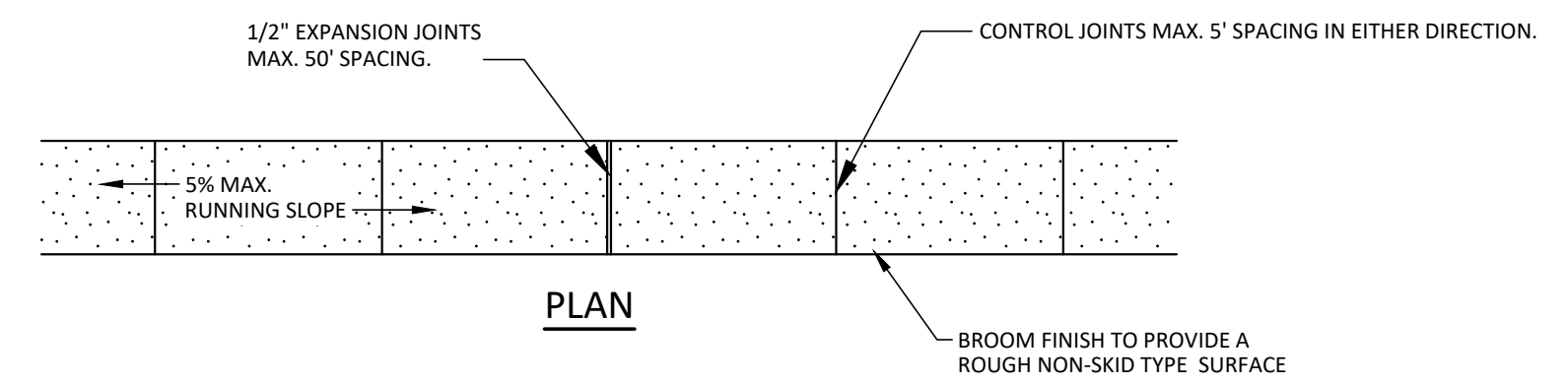
PARKING LOT PAVEMENT SECTION
(NOT TO SCALE)



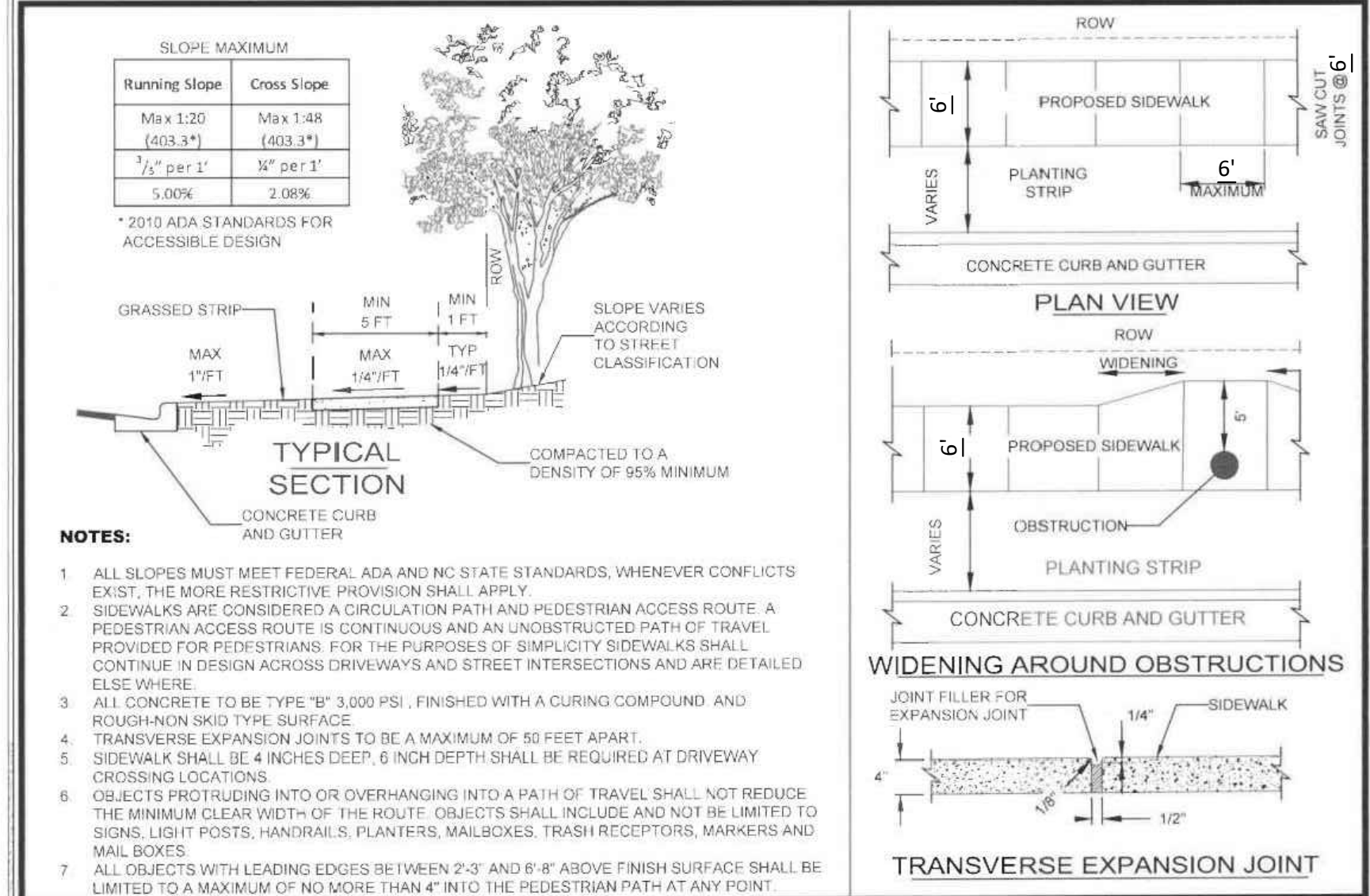
ASPHALT PATCH (ATLANTIC AVENUE)
(NOT TO SCALE)



CONCRETE PAVEMENT SECTION FOR USE IN ACCESSIBLE PARKING STALLS
NOT TO SCALE



SIDEWALK DETAIL
NTS



PUBLIC WORKS DEPARTMENT
1500 Beatty Street
Greenville, North Carolina 27834

CITY OF GREENVILLE, N.C.
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No.	Date	Description	Approved
01	02/20/07		S. GODEFROIT
Scale: not to scale		Sheet # of 1	Sheet # 413.00

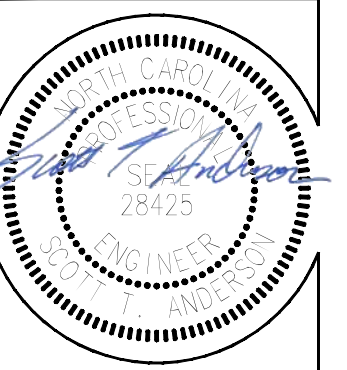
SIDEWALK TYPICAL

REVISIONS:

NO.	DATE	COMMENTS
1	7/2/2019	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
2	7/2/2019	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
3	8/27/2020	REVISED PER NEW PROPERTY BOUNDARY
4	10/27/2020	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
5	12/09/2020	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
6	7/22/2021	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
7	1/17/2022	ADD PANEL 2750 AND REVISED PARKING LOT ENTRANCE
8	5/27/2022	REVISED PER CITY OF GREENVILLE SITE PLAN REVIEW COMMENTS



ATLANTIC AVENUE PARKING LOT "B"
City of Greenville, Pitt County, North Carolina



Project Manager: STA
Drawn By: EW
Checked By: BTO
Project Number: 17042
Drawing Number: D-1141

C-6
Date: 10-05-2020

2'-6" CURB AND GUTTER
30" CURB AND GUTTER SHALL BE PLACED IN BONNERS LN & ATLANTIC AVE R/W.

2'-0" CURB AND GUTTER
24" CURB AND GUTTER SHALL BE PLACED IN PARKING LOT & WITHIN 8TH STREET R/W

2'-0" SPILL CURB AND GUTTER

TRANSVERSE EXPANSION JOINT IN CURB AND GUTTER

NOTES:

1. Contraction joints shall be placed at 10' intervals, except that 15' spacing may be used when a machine is used or when satisfactory support for the face form can be obtained without the use of templates at 10' intervals. Joint spacing may be altered by the engineer to prevent uncontrolled cracking.
2. Contraction joints may be installed by the use of templates or formed by other approved methods. Where such joints are not formed by templates, a minimum depth of 1 1/2" shall be obtained.
3. All contraction joints shall be filled with joint filler.
4. Expansion joints shall be spaced at 90' intervals, and adjacent to all rigid objects.
5. All curb and gutters are to be poured with class "A" concrete (3,000 PSI).
6. Flexible forms are to be used when radius is less than 200'.

CITY OF GREENVILLE, N.C.

STANDARD CURB & GUTTER

1	9/16/11	APPROVAL
1	1	411.01

NOTE: A PORTION OF ONE OR BOTH RAMPS MAY EXTEND OUTSIDE THE RETURNS

ISOMETRIC VIEW
(40" MIN. FLOOR WIDTH)

SECTION B-B

SECTION A-A

NOTES:

1. Detectable warning domes shall cover 2'-0" length and full width of the ramp floor as shown on the details.
2. The entire ramp shall be black in color or any color with a 70% contrast ratio and approved by City Engineer.

CITY OF GREENVILLE, N.C.

STANDARD DETAIL CURB RAMP

1	9/16/11	APPROVAL
1	2	413.03

DETECTABLE WARNING DOMES

NOTES:

1. Detectable warning domes shall cover 2'-0" length and full width of the ramp floor as shown on the details.
2. The entire ramp shall be black in color or any color with a 70% contrast ratio and approved by City Engineer.

W	A	W+A+9"	X	B
5'	0.0'	5.8'	5.8'	5.0'
6'	0.0'	6.8'	6.8'	6.0'
7'	0.0'	7.8'	7.3'	6.5'
8'	0.0'	8.8'	7.3'	6.5'
5'	1.5'	7.3'	7.5'	5.2'
5'	2.0'	7.8'	7.8'	5.0'
5'	2.5'	8.3'	8.1'	4.8'
5'	3.0'	8.8'	8.3'	4.4'
5'	3.5'	9.3'	8.3'	4.1'
5'	4.0'	9.8'	8.6'	3.8'
5'	4.5'	10.3'	8.7'	3.4'
5'	5.0'	10.8'	8.9'	3.1'

CITY OF GREENVILLE, N.C.

STANDARD CURB RAMP

1	9/16/11	APPROVAL
2	2	413.03

STANDARD CATCH BASIN FRAME 2'-0" IN CURB AND GUTTER

CITY OF GREENVILLE, N.C.

1	9/16/11	APPROVAL
1	1	411.03

STANDARD DETAIL CURB RAMP PLACEMENT

CITY OF GREENVILLE, N.C.

1	9/16/11	APPROVAL
1	1	413.02

CONCRETE WHEEL STOP

NOTES:

1. WHEEL STOPS SHALL BE INSTALLED 2' FROM EDGE OF OBSTRUCTION, EDGE OF PAVEMENT, OR FACE OF CURB

CITY OF GREENVILLE, N.C.

1	9/16/11	APPROVAL
2	2	413.03

CONCRETE VALLEY GUTTER

CITY OF GREENVILLE, N.C.

1	9/16/11	APPROVAL
1	1	411.05

NOTES:

1. Construct the walking surface of the detectable domes with slip resistance and a 70% contrasting color to the sidewalk.
2. Crosswalk widths and configuration vary but must conform to traffic design standards.
3. Provide curb ramps at locations as shown on the plans or as directed by the engineer. Locate curb ramps as directed by the engineer where existing light poles, fire hydrants, drop inlets, etc. affect placement. Where two ramps are installed place not less than 2 feet of full height curb between the ramps. Place dual ramps as near perpendicular to the travel lane being crossed as possible.
4. Do not exceed 0.08 ft./ft. (12:1) slope on the curb ramp in relationship to the grade of the street.
5. Construct curb ramps a minimum of 48" wide (4'-0"): Greater for dual ramps.
6. Use class "B" concrete with a sidewalk finish in order to obtain a rough non-skid type surface.
7. Place a 1/2" expansion joint where the concrete curb ramp joins the curb.
8. Place the inside pedestrian crosswalk lines no closer in the intersection than would be established by bisecting the intersection radii, with an allowance of a 4'x4' maneuvering space (2003 ICC/ANSI a117 Commentary, Fig. C406.6 & 406.10) in the vehicular travel way when one ramp is installed.
9. Coordinate the curb cut and the pedestrian crosswalk lines so the floor of the curb ramp will fall within the pedestrian crosswalk lines. Place diagonal ramps with flared sides so 24" of the full height curb falls within the crosswalk markings on each side of the flares.
10. Construct the pedestrian crosswalk a minimum width of 6 feet. A crosswalk width of 10 feet or greater is required for all thoroughfares.
11. Use stop lines, normally perpendicular to the lane lines, where it is important to indicate the point behind which vehicles are required to stop in compliance with a traffic signal, stop sign or other legal requirement. An unusual approach skew may require the placement of the stop line to be parallel to the intersecting roadway.
12. Place all pavement markings in accordance with the latest edition of the Manual of Uniform Traffic Control Devices (MUTCD) published by the Federal Highway Administration and the North Carolina Supplement to the MUTCD.
13. Other detectable warning materials may be considered from that shown, but require City Engineer's written approval prior to installation.

CITY OF GREENVILLE, N.C.

STANDARD CROSSWALK & CURB RAMP NOTES

1	9/16/11	APPROVAL
1	2	413.01

NOTES:

14. For all roads with radius 25' or less. Only one curb ramp is required. Curb ramps to be placed as per traffic design standards to ensure pedestrians enter & exit without entering travel lanes.
15. Terminate parking a minimum of 20 feet back of pedestrian walk.
16. A 4'x4' maneuvering space is required at the bottom of the curb ramp and must be within the crosswalk.
17. Drop curb width (4'-0" min.) x 4' long landing required at top of curb ramp
18. North Carolina General Statute 136-44.14 requires that all street curbs being constructed or reconstructed for maintenance procedures, traffic operations, repairs, correction of utilities or altered for any reason after September 1, 1973 shall provide curb ramps for the physically disabled at all intersections where both curb and gutter and sidewalks are provided and at other points of pedestrian flow. In addition, section 228 of the 1973 Federal Aid Highway Safety Act requires provision of curb ramps on any curb construction after July 1, 1976 whether a sidewalk is proposed initially or is planned for a future date. The Americans with Disability Act (ADA) of 1990 extends to individuals with disabilities. Comprehensive civil rights protections similar to those provided to persons on the basis of race, sex, national origin and religion under the Civil Rights Act of 1964. These curb ramps have been designed to comply with the current ADA standards.
19. Construct all ramp surfaces to comply with sections R301 and R303.3.3 of the revised ADA guidelines.
20. Construct all ramps and sidewalks with a 2% cross slope.

CITY OF GREENVILLE, N.C.

STANDARD CROSSWALK & CURB RAMP NOTES

1	9/16/11	APPROVAL
2	2	413.01

REVISIONS:

NO.	DATE	DESCRIPTION
1	7/27/2019	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
2	7/27/2019	REVISED PER NEW PROPERTY BOUNDARY
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4	10/27/2019	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
5	12/03/2019	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
6	12/22/2021	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
7	12/22/2021	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
8	12/22/2021	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS

DETAILS

ATLANTIC AVENUE PARKING LOT "B"

City of Greenville, Pitt County, North Carolina

ARK CONSULTING GROUP, P.L.L.C.
7755-B Charles Blvd
Greenville, NC 27858
(252) 558-0888
www.arkconsultinggroup.com

Project Manager: STA
Drawn By: EW
Checked By: BTO
Project Number: 17042
Drawing Number: D-1141

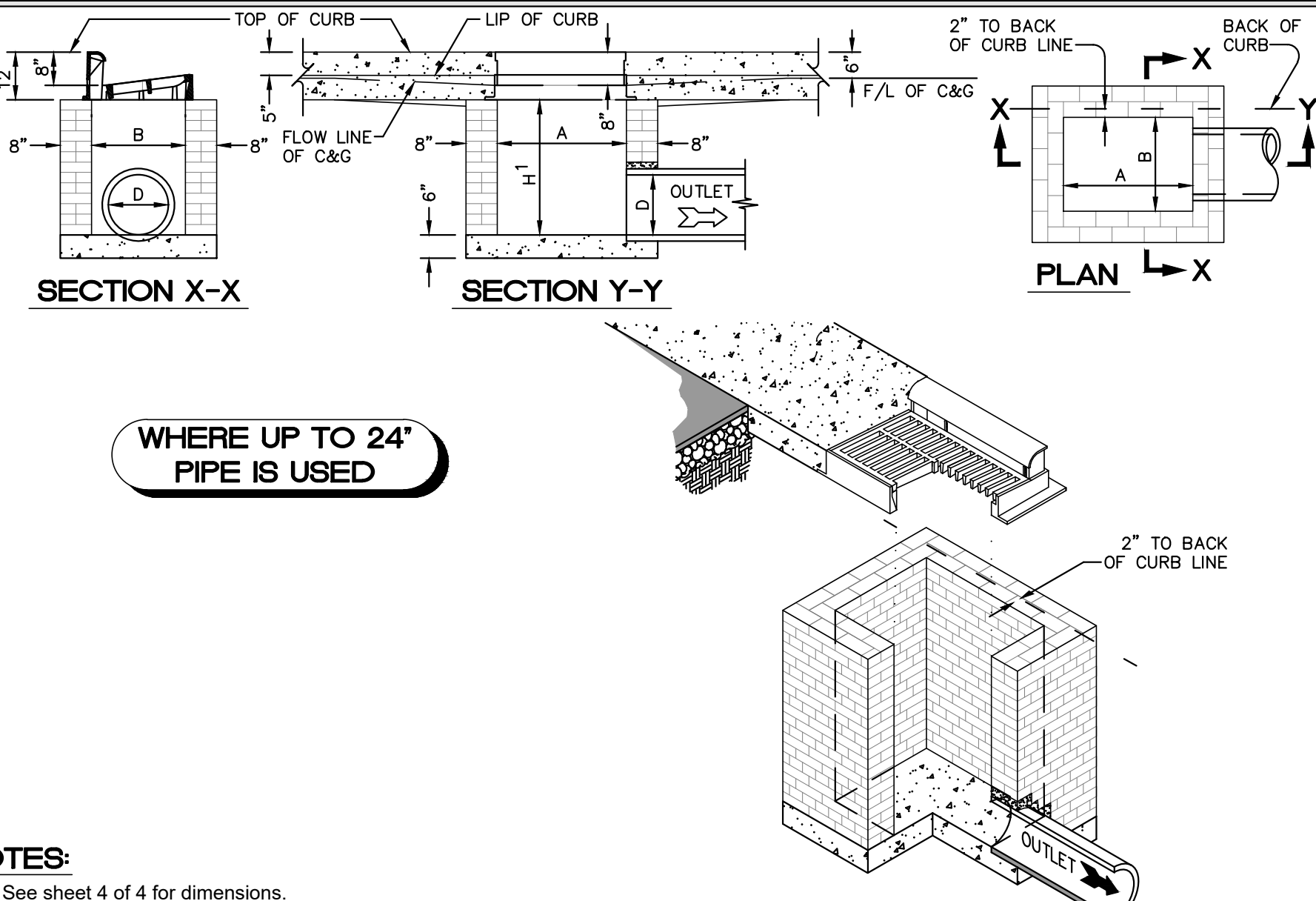
C-7

Date: 10-05-2020

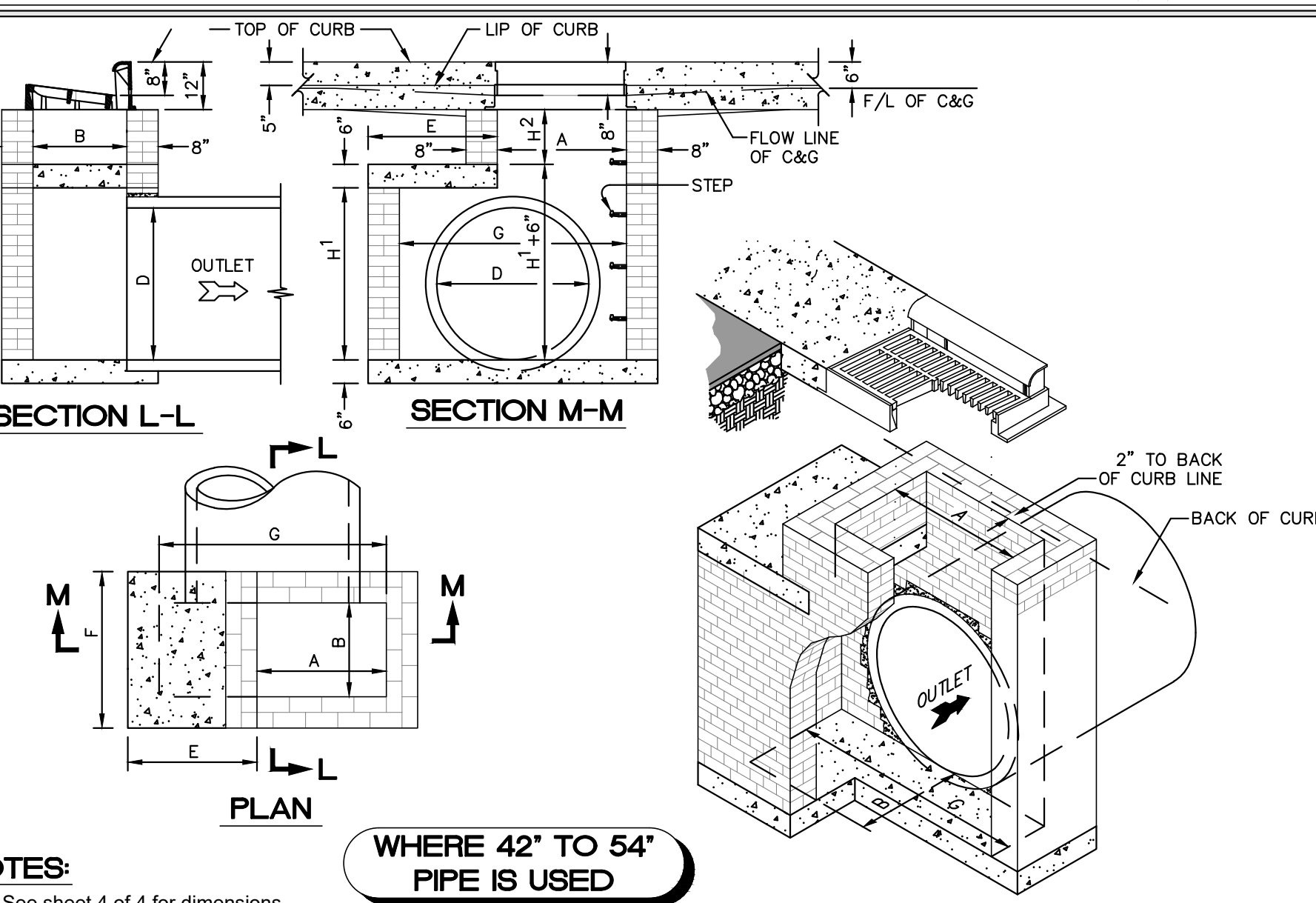
- ### CATCH BASIN & JUNCTION BOX STANDARD NOTES
- Mortar Joints 1/2" ± 1/8" thick. Concave tool all exposed mortar joints.
 - Class "A" concrete to be used. Chamfer all exposed corners 1".
 - The pouring of floor slab to be accomplished by forming.
 - All catch basins over 3'-6" in depth shall be provided with steps 1' on centers. Steps shall be in accordance with std. detail No. 615.01.
 - Concrete brick may be used in lieu of clay brick. Jumbo brick will be permitted.
 - Engineered pre-cast boxes are permitted with the City Engineer's approval.
 - For 8'-0" in height or less use 8" wall. Over 8'-0" in height use 12" wall to 6'-0" from top of wall, and 8" wall for the remaining 6'-0". Adjust quantities accordingly.
 - Leave weep holes as directed by the engineer.
 - Construct with pipe crowns matching.
 - All drawings not to scale.

- ### MANHOLE STANDARD NOTES
- Mortar Joints 1/2" ± 1/8" thick. Concave tool all exposed mortar joints.
 - Class "A" concrete to be used. Chamfer all exposed corners 1".
 - Forms to be used for the construction of the base.
 - Where the manhole top is exposed to road traffic, the top of the manhole is to be flush with the ground. At other locations it should be a minimum of 9" above the ground.
 - Manholes over 3'-6" in depth shall be provided with steps 1' on centers. Steps shall be in accordance with Std. detail No. 615.01.
 - Over 36" pipe design requires City Engineer's approval.
 - For manholes over 12 ft. vertical wall depth, brick masonry wall thickness shall be 12"
 - For manholes with a vertical wall depth less than 12 ft., brick masonry wall thickness shall be 8".
 - All drawings not to scale.

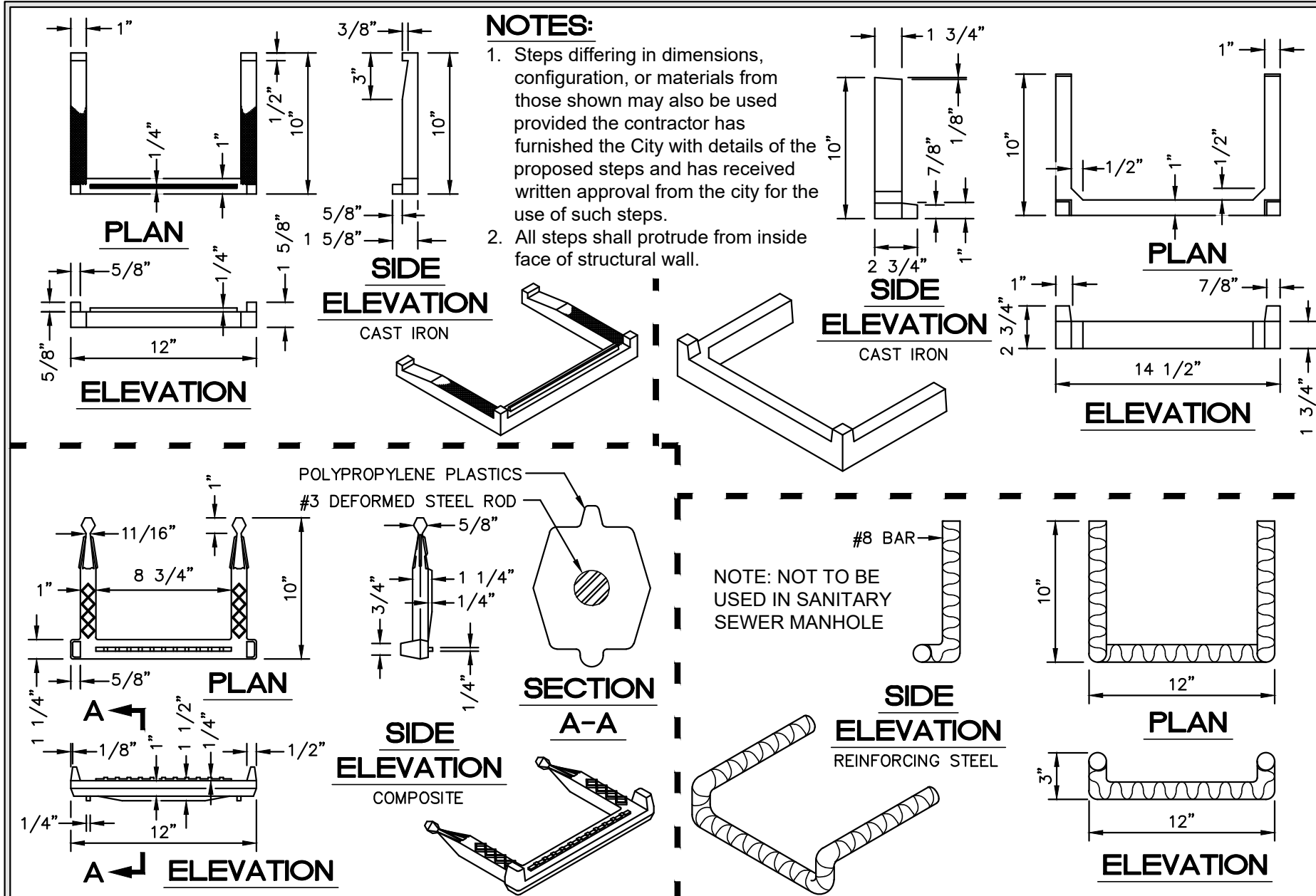
CITY OF GREENVILLE, N.C. 1 9/16/11 APPROVAL
STANDARD CATCH BASIN AND MANHOLE NOTES 1 1 610.01



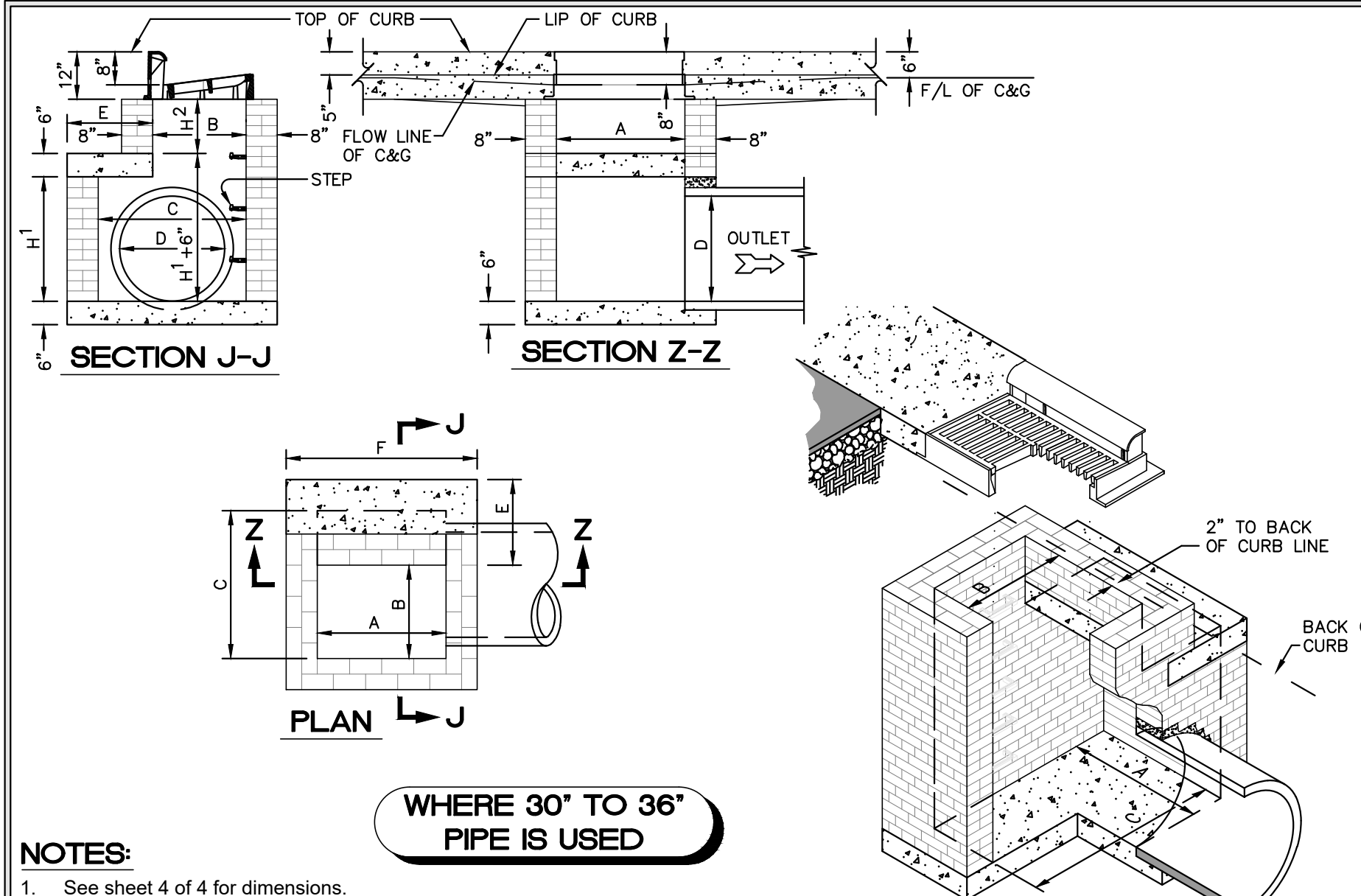
CITY OF GREENVILLE, N.C. 1 9/16/11 APPROVAL
STANDARD BRICK CATCH BASIN (15" THRU 54" PIPE) 1 4 610.02



CITY OF GREENVILLE, N.C. 1 9/16/11 APPROVAL
STANDARD BRICK CATCH BASIN (15" THRU 54" PIPE) 3 4 610.02



CITY OF GREENVILLE, N.C. 1 9/16/11 APPROVAL
STANDARD STEPS 1 1 615.01



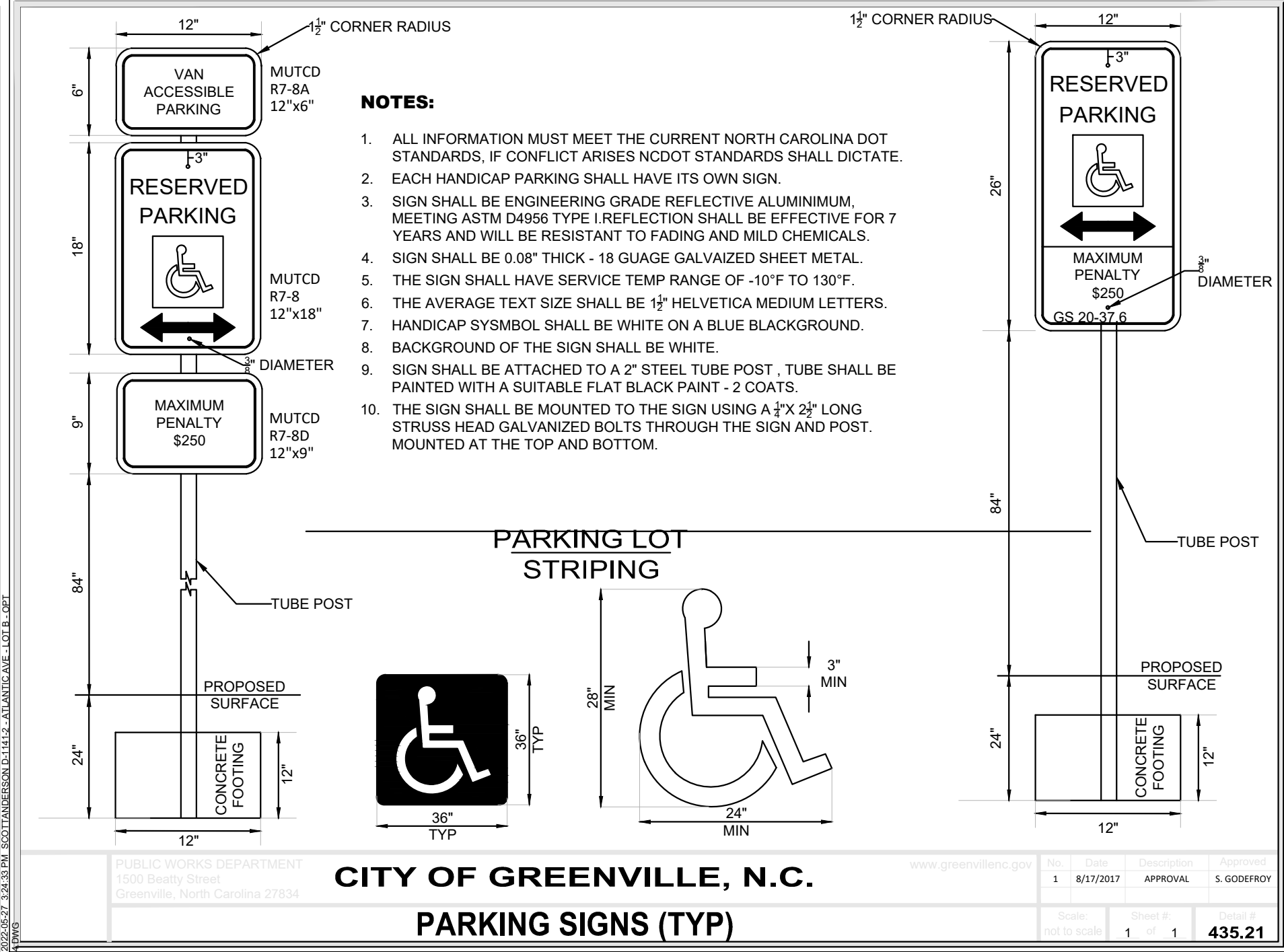
CITY OF GREENVILLE, N.C. 1 9/16/11 APPROVAL
STANDARD BRICK CATCH BASIN (15" THRU 54" PIPE) 2 4 610.02

DIMENSIONS AND QUANTITIES FOR BRICK CATCH BASIN

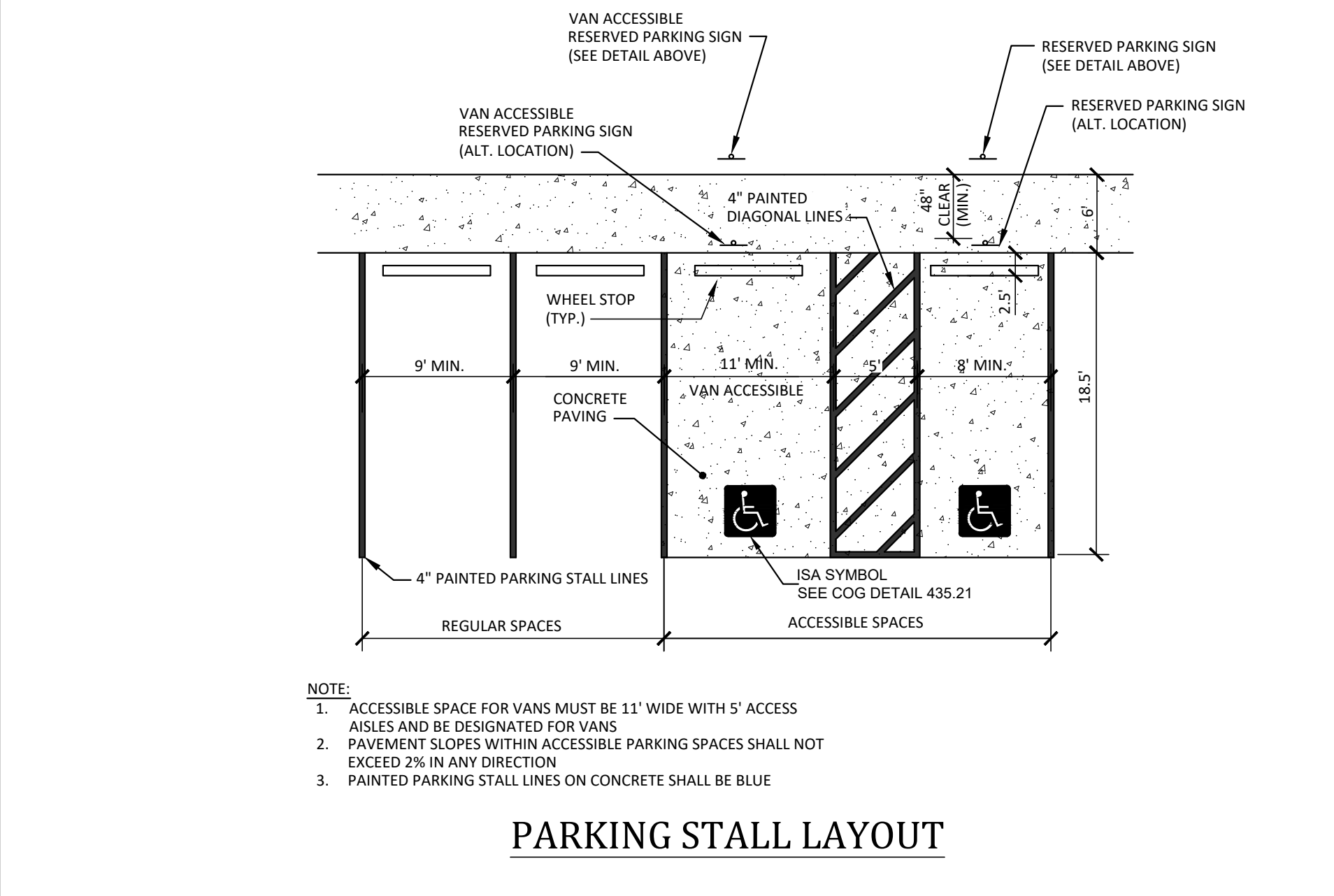
PIPE SPAN	DIMENSIONS OF BOX & PIPE			COVER DIMENSIONS	REINFORCEMENT			CUBIC YARDS OF CONCRETE IN BOX			BRICK MASONRY PER FT. OF HEIGHT			
	WIDTH	DEPTH	HEIGHT		BARS-U	BARS-V	BARS-W	TOTAL	TOP SLAB	FLOOR		TOTAL		
15'-3"	3'-0"	2'-2"	2'-6"	2'-6"	4	2-0"	4	4-1"	3	4-1"	49	0.281	0.802	0.321 ABOVE MIN. H ²
18'-3"	3'-0"	2'-2"	2'-10"	2'-10"	4	2-0"	4	4-1"	3	4-1"	49	0.281	0.909	0.321 ABOVE MIN. H ²
24'-3"	3'-0"	2'-2"	3'-4"	3'-4"	4	2-0"	4	4-1"	3	4-1"	49	0.281	1.070	0.321 ABOVE MIN. H ²
30'-3"	3'-0"	2'-2"	3'-2"	3'-2"	4	2-0"	4	4-1"	3	4-1"	49	0.281	1.306	0.321 ABOVE MIN. H ²
36'-3"	3'-0"	2'-2"	3'-8"	3'-8"	4	2-0"	4	4-1"	3	4-1"	49	0.281	1.586	0.321 ABOVE MIN. H ²
42'-3"	3'-0"	2'-2"	4'-5"	4'-4"	4	2-0"	4	4-1"	3	4-1"	49	0.281	1.811	0.321 ABOVE MIN. H ²
48'-3"	3'-0"	2'-2"	5'-0"	4'-10"	4	2-0"	4	4-1"	3	4-1"	49	0.281	2.146	0.321 ABOVE MIN. H ²
54'-3"	3'-0"	2'-2"	5'-7"	5'-4"	4	2-0"	4	4-1"	3	4-1"	49	0.281	2.510	0.321 ABOVE MIN. H ²

PLAN, ELEVATION, SECTION R-R, SECTION S-S

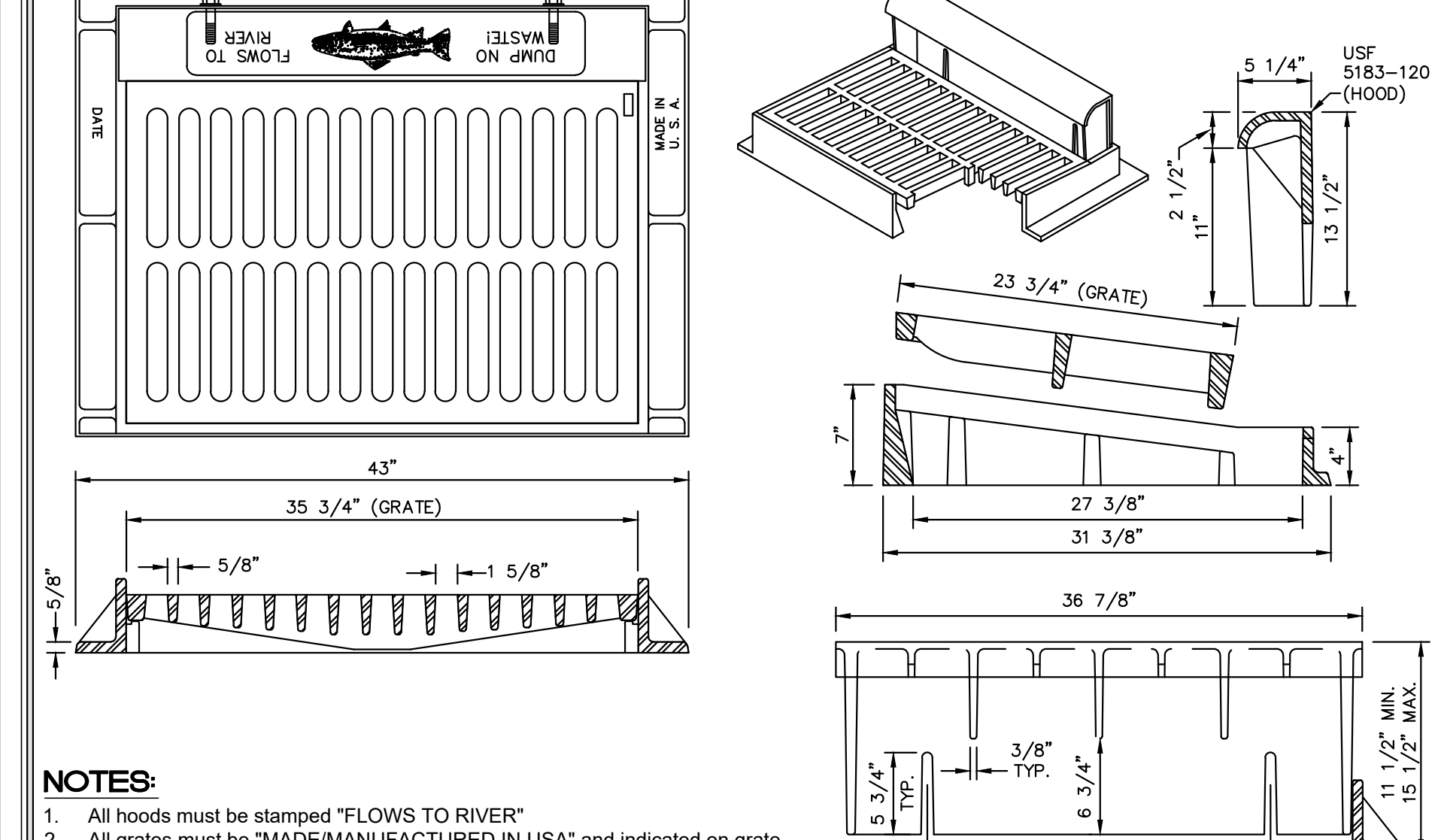
CITY OF GREENVILLE, N.C. 1 9/16/11 APPROVAL
STANDARD BRICK CATCH BASIN (15" THRU 54" PIPE) 4 4 610.02



CITY OF GREENVILLE, N.C. 1 8/31/2017 APPROVAL 5 6/20/2019
PARKING SIGNS (TYP) 1 1 435.21



CITY OF GREENVILLE, N.C. 1 9/16/11 APPROVAL
PARKING STALL LAYOUT 1 1 610.02



CITY OF GREENVILLE, N.C. 1 9/16/11 APPROVAL
STANDARD CATCH BASIN ASSEMBLY FRAME, HOOD & GRATE 1 1 614.01

NO.	DATE	REVISIONS
1	7/2/2009	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
2	7/2/2009	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
3	9/27/2009	REVISED PER NEW PROPERTY BOUNDARY
4	10/27/2009	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
5	12/03/2009	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
6	7/27/2011	REVISED PER CITY OF GREENVILLE STANDARD WATER COMMENTS
7	1/17/2012	ADD PANEL 2750 AND REVISED PARKING LOT ENTRANCE
8	5/27/2012	REVISED PER CITY OF GREENVILLE SITE PLAN REVIEW COMMENTS

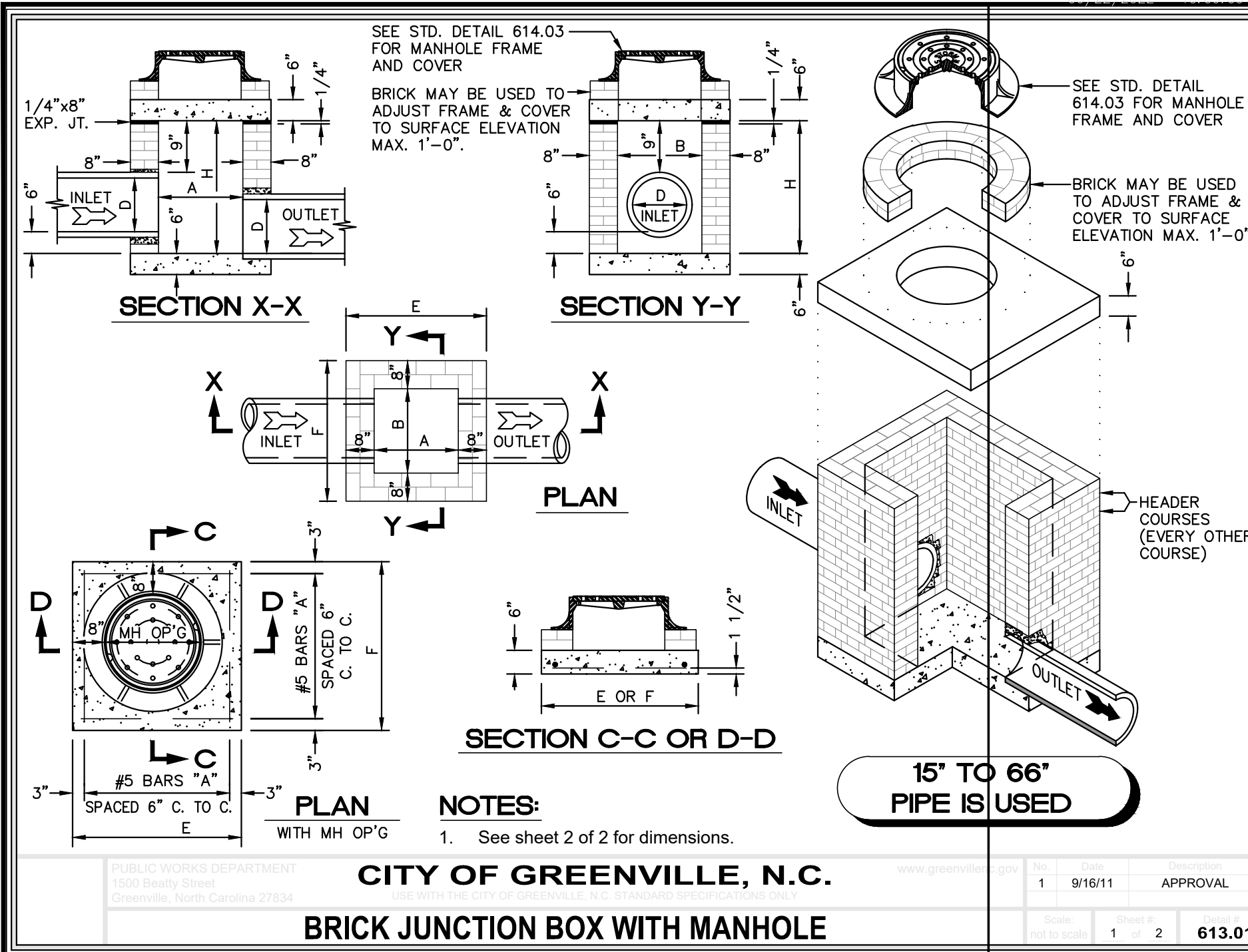
**ATLANTIC AVENUE
PARKING LOT "B"**

City of Greenville, Pitt County, North Carolina

Project Manager: STA
 Drawn By: EW
 Checked By: BTO
 Project Number: 17042
 Drawing Number: D-1141

ARK CONSULTING GROUP PLLC
 ENGINEERS & PLANNERS
 2755-B Charles Blvd.
 Greenville, NC 27858
 (252) 558-0888
 www.arkconsultinggroup.com

REV 05/27/22

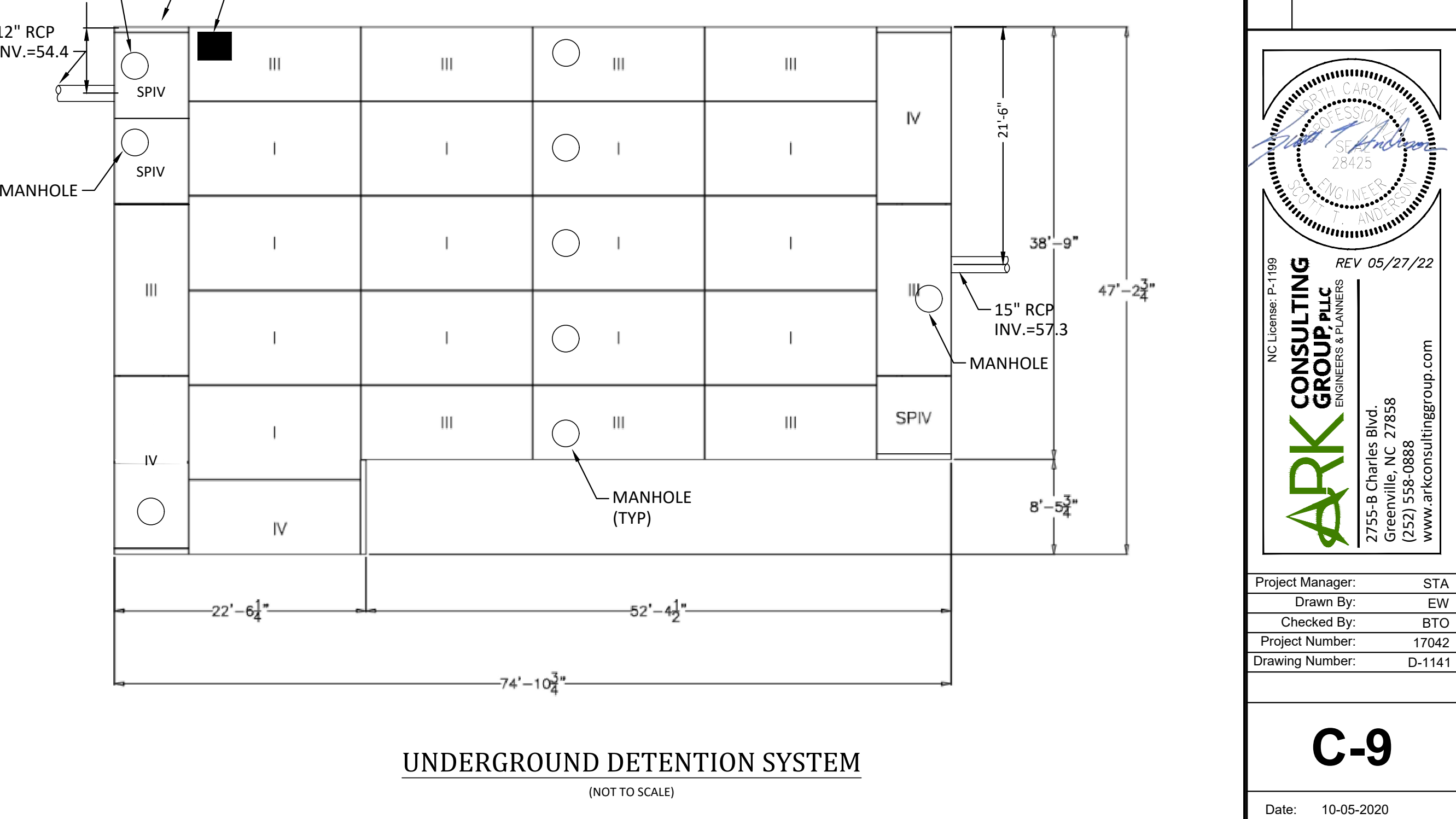
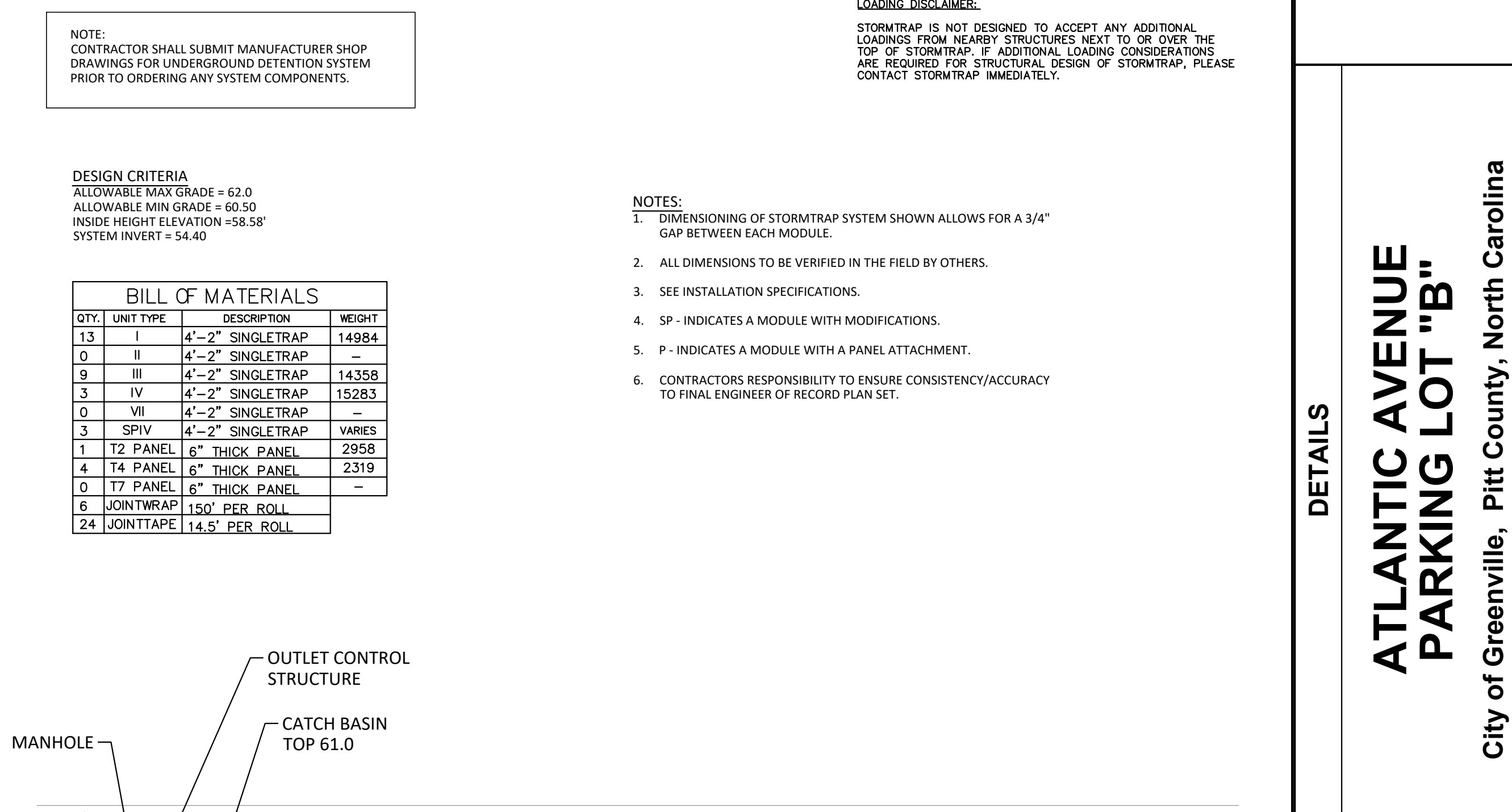
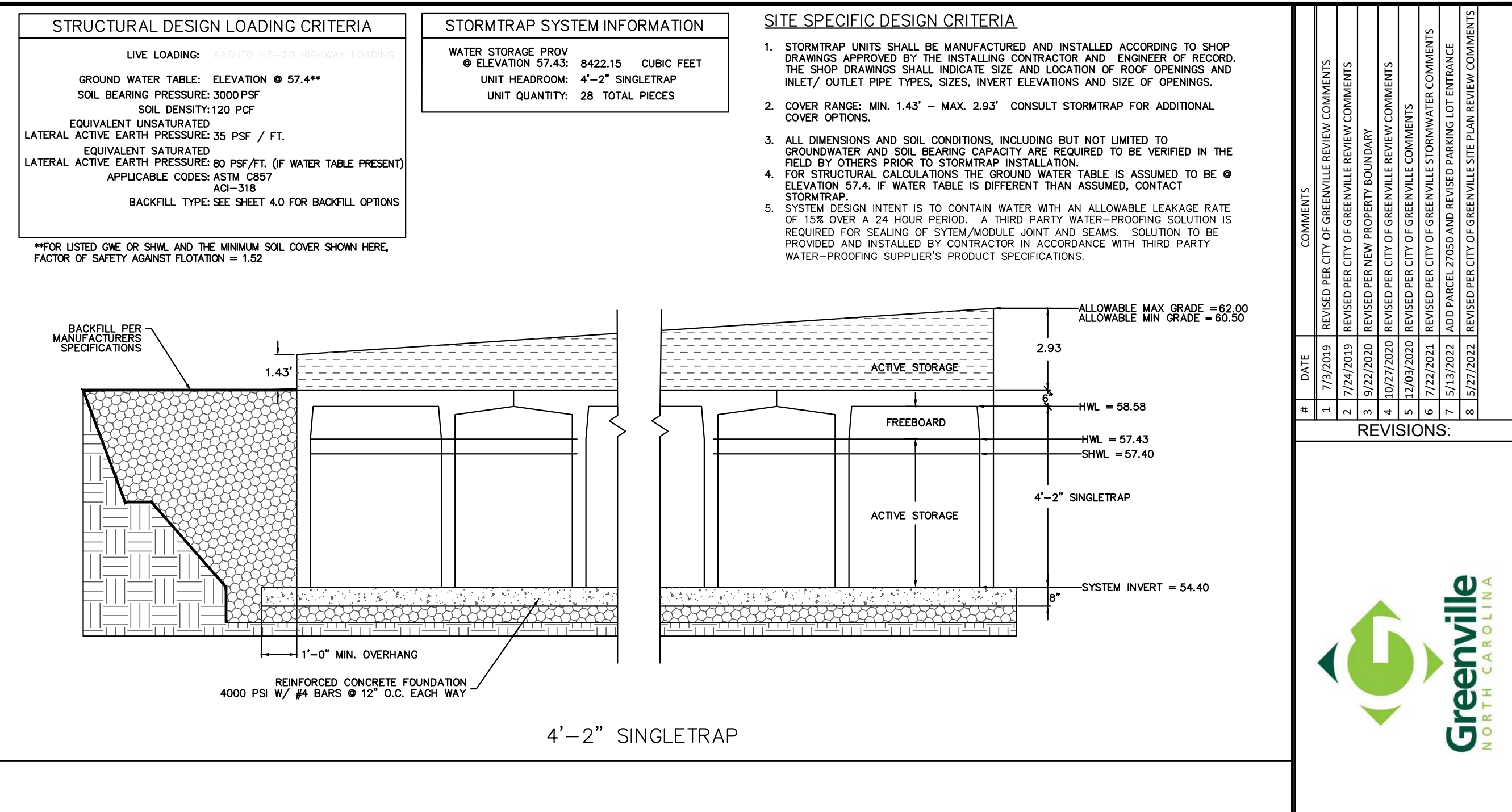
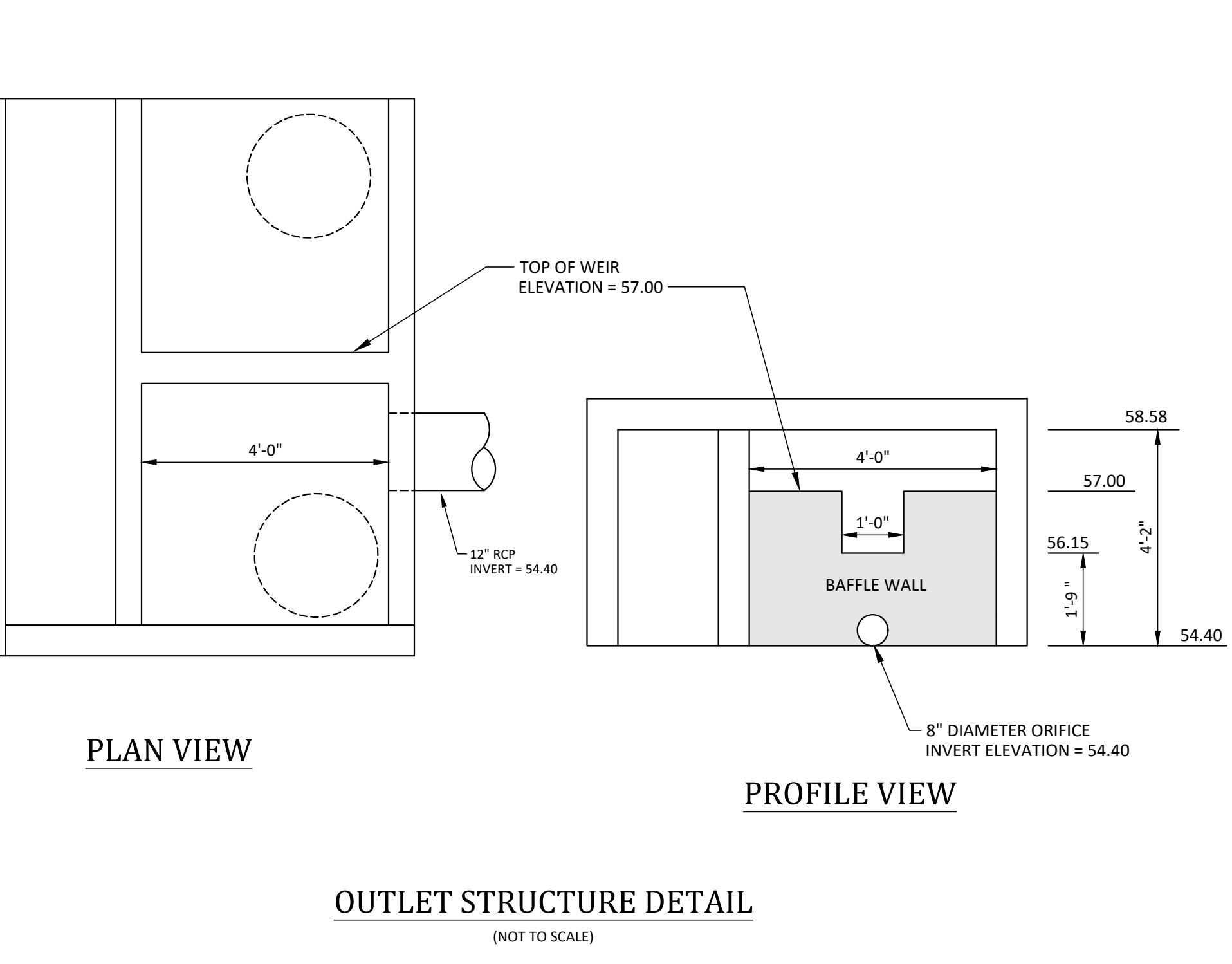
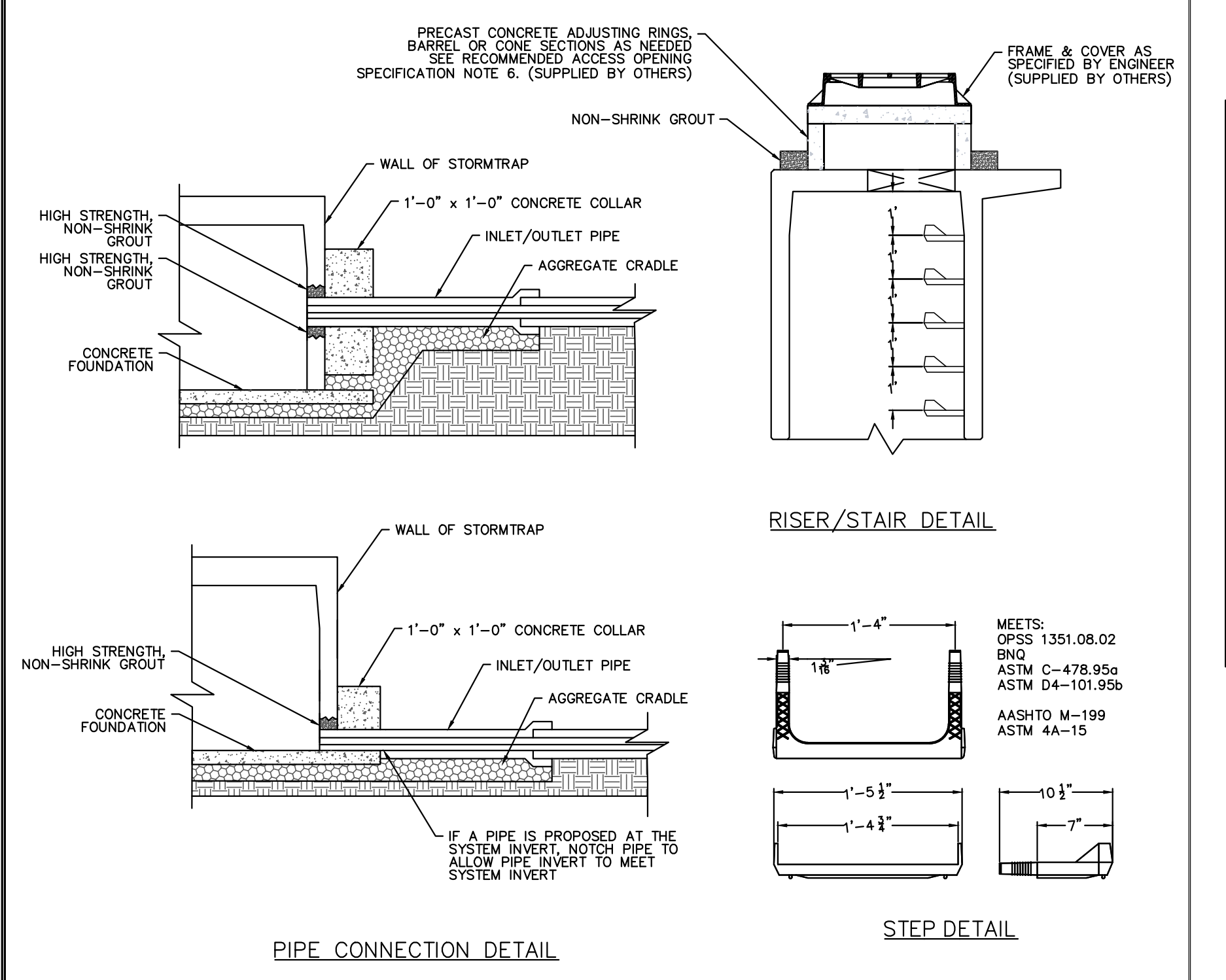
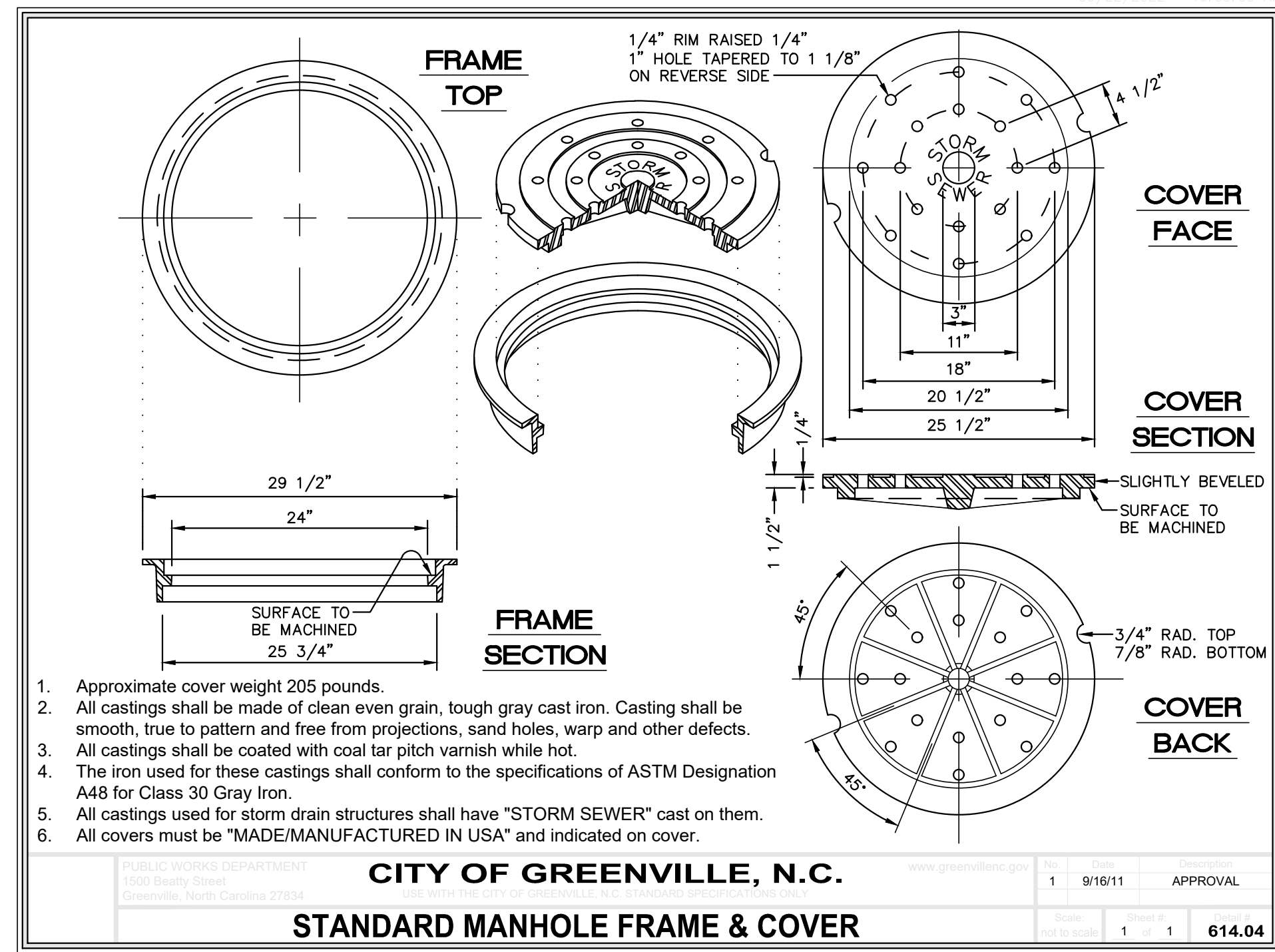
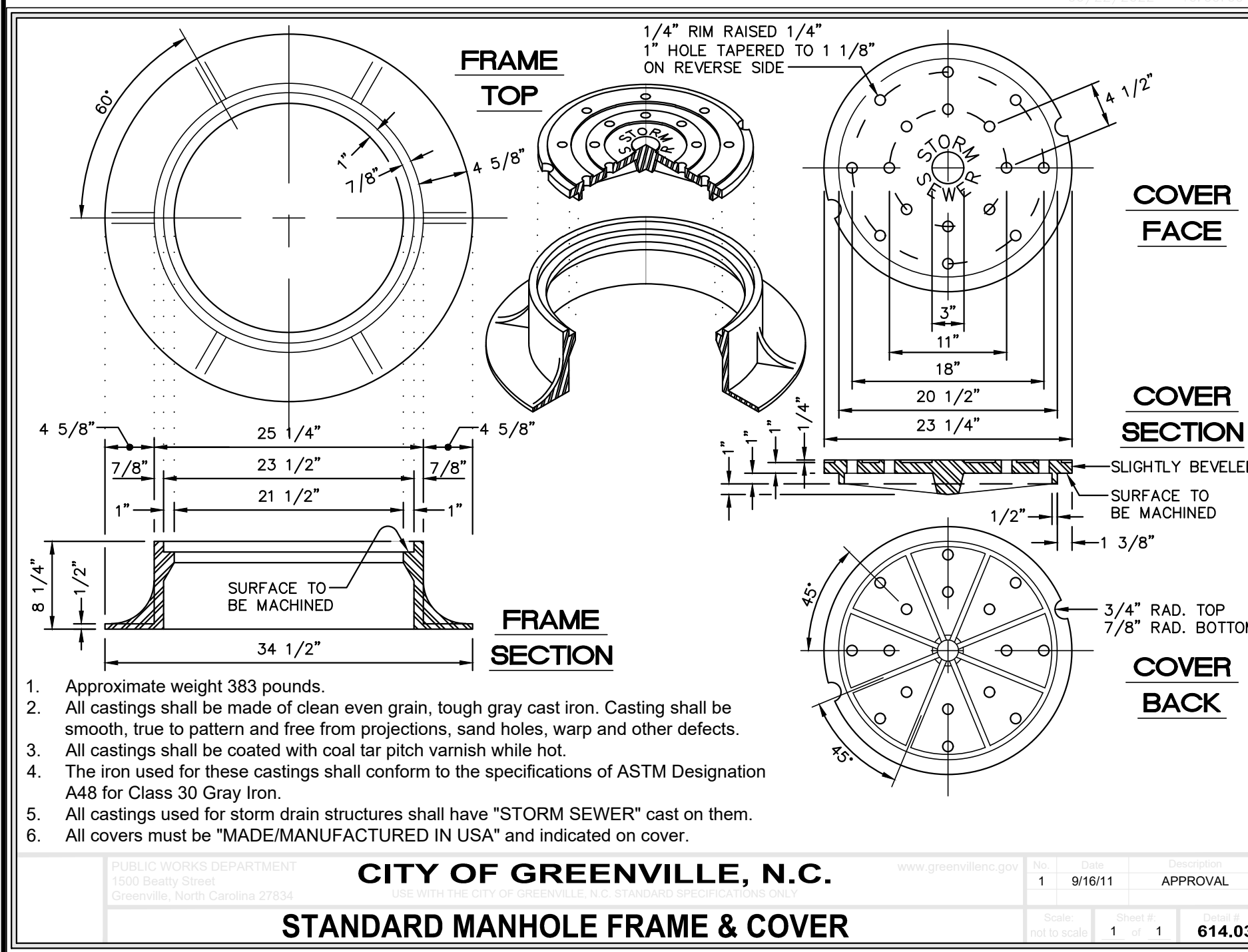


DIMENSIONS AND QUANTITIES FOR BRICK JUNCTION BOXES

PIPE	DIMENSIONS OF BOX & PIPE			REINFORCEMENT BARS	COVER DIMENSIONS		CUBIC YARDS		DEDUCTIONS FOR ONE PIPE CU. YDS.			
	D	A	H		Qty.	LENGTH	E	F	CONC. BASE & COVER CU. YD.	BRICK MASONRY MIN. HEIGHT CU. YD.	WALL PER FT. HT. CU. YD.	C.S.
15"	2'-0"	2'-0"	2'-6"	12	3'-1"	3'-4"	3'-4"	0.412	0.657	0.263	0.031	0.047
18"	2'-4"	2'-4"	2'-9"	14	3'-5"	3'-8"	3'-8"	0.498	0.814	0.296	0.044	0.065
24"	3'-0"	3'-0"	3'-3"	16	4'-1"	4'-4"	4'-4"	0.695	1.176	0.362	0.078	0.133
30"	3'-4"	3'-4"	3'-9"	16	4'-5"	4'-8"	4'-8"	0.807	1.481	0.395	0.122	0.170
36"	4'-0"	4'-0"	4'-3"	20	5'-1"	5'-4"	5'-4"	1.053	1.959	0.461	0.176	0.238
42"	4'-8"	4'-8"	4'-9"	22	5'-9"	6'-0"	6'-0"	1.333	2.503	0.527	0.240	0.323
48"	5'-0"	5'-0"	5'-3"	24	6'-1"	6'-4"	6'-4"	1.486	2.940	0.560	0.313	0.422
54"	5'-6"	5'-6"	5'-9"	26	6'-7"	6'-10"	6'-10"	1.729	3.502	0.609	0.396	0.535
60"	6'-0"	6'-0"	6'-3"	28	7'-1"	7'-4"	7'-4"	1.992	4.118	0.658	0.489	0.660
66"	6'-6"	6'-6"	6'-9"	30	7'-7"	7'-10"	7'-10"	2.273	4.778	0.708	0.591	0.798

NOTES:
 1. Use #5 bar dowels at 12" centers
 2. If reinforced concrete pipe is set in base slab of box, add to base as shown on std. detail 610.03.
 3. Adjust the steel, concrete and brick masonry quantities to include the addition of the manhole (i.e. diagonal bars shortened around opening in top slab, additional variable height brick masonry, opening in top slab.)
 4. Maximum depth of this structure from top to bottom slab to top elevation is 12'-0".
 5. See Std. detail No. 610.01 for standard notes.

CITY OF GREENVILLE, N.C.
 1 9/16/11 APPROVAL
BRICK JUNCTION BOX WITH MANHOLE
 2 2 613.01



REVISIONS:

NO.	DATE	DESCRIPTION
1	7/27/2011	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
2	7/27/2011	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
3	8/22/2011	REVISED PER NEW PROPERTY BOUNDARY
4	10/27/2011	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
5	12/03/2011	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
6	12/03/2011	REVISED PER CITY OF GREENVILLE REVIEW COMMENTS
7	12/17/2011	ADD PANEL T250 AND REVISED PARKING LOT ENTRANCE
8	12/17/2011	REVISED PER CITY OF GREENVILLE SITE PLAN REVIEW COMMENTS

DETAILS

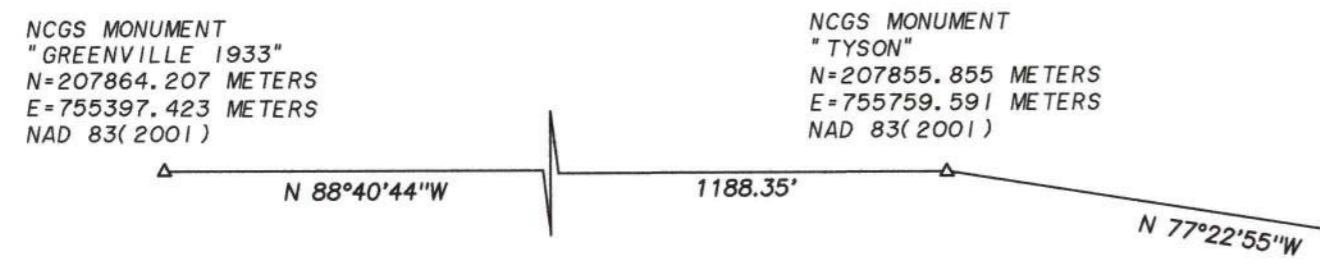
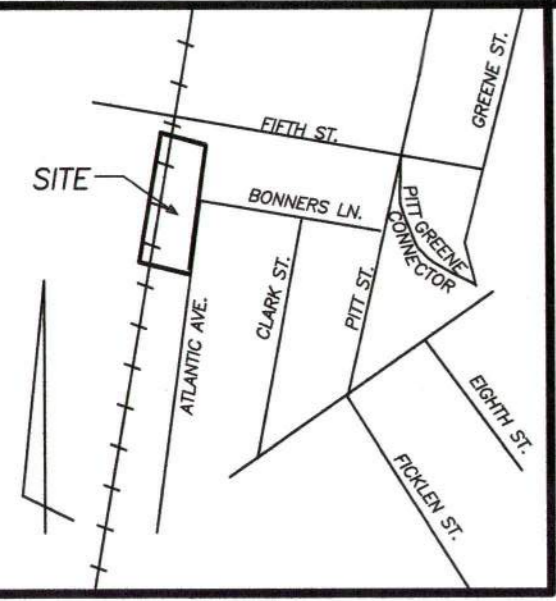
ATLANTIC AVENUE PARKING LOT "B"

City of Greenville, Pitt County, North Carolina

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Project Manager: STA
Drawn By: EW
Checked By: BTO
Project Number: 17042
Drawing Number: D-1141

Date: 10-05-2020



NOTES

- THIS IS A BOUNDARY & TOPOGRAPHIC SURVEY OF TAX PARCELS 22050, 22418, 11901, 13544, 13545, 13314, 19978 AND 11302 IN ADDITION TO A PORTION OF THE RIGHTS OF WAY OF ATLANTIC AVE. AND BONNERS LN.
- ELEVATIONS SHOWN ARE IN FEET (NAVD 88) AND WERE TRANSFERRED TO THE SITE FROM NC GEODETIC SURVEY MONUMENT "PIT 16", ELEVATION 28.91 FEET (NAVD 88).
- AS PER FEMA FLOOD INSURANCE RATE MAP 3720488800K, DATED 7-7-14 THIS PROPERTY IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA; LOCATED IN ZONE X UNSHADED.
- THE LOCATION OF UNDERGROUND UTILITIES SHOWN HEREON IS BASED IN PART ON UTILITY MARKINGS BY SOME UTILITY PROVIDERS, IN PART ON ABOVE GROUND APPURTENANCES AND IN PART ON INFORMATION OBTAINED FROM UTILITY PROVIDERS; NO GUARANTEE IS MADE AS TO THEIR EXACT LOCATION; OTHER UTILITIES MAY EXIST THAT ARE NOT SHOWN HEREON.
- ALL DISTANCES ARE HORIZONTAL FIELD DISTANCES; NO GRID FACTOR APPLIED; THE COMBINED NC GRID FACTOR USED FOR GRID COORDINATE CALCULATIONS IS 0.99989763.
- THIS SURVEY HAS BEEN PREPARED WITHOUT THE BENEFIT OF A TITLE EXAMINATION REPORT AND IS SUBJECT TO ANY AND ALL TITLE MATTERS OF RECORD WHICH MAY AFFECT THIS PROPERTY.
- THOSE PARCELS SHOWN HEREON LYING SOUTH OF BONNERS LANE ARE COMPRISED OF LOTS 1-5, BLOCK E OF THE "MAP OF PROPERTY OWNED BY C.T. MUNFORD AND HIGGS BROTHERS" AS RECORDED IN M.B. 1, P. 106.

BONNERS LANE HAS BEEN CLOSED BY CITY COUNCIL RESOLUTION 011-20 FROM THE WEST RIGHT OF WAY OF ATLANTIC AV. TO THE EAST RIGHT OF WAY OF CSX RAILROAD 2336.9 S.F. (D.B. 3886, P. 755; M.B. 86, P. 11)

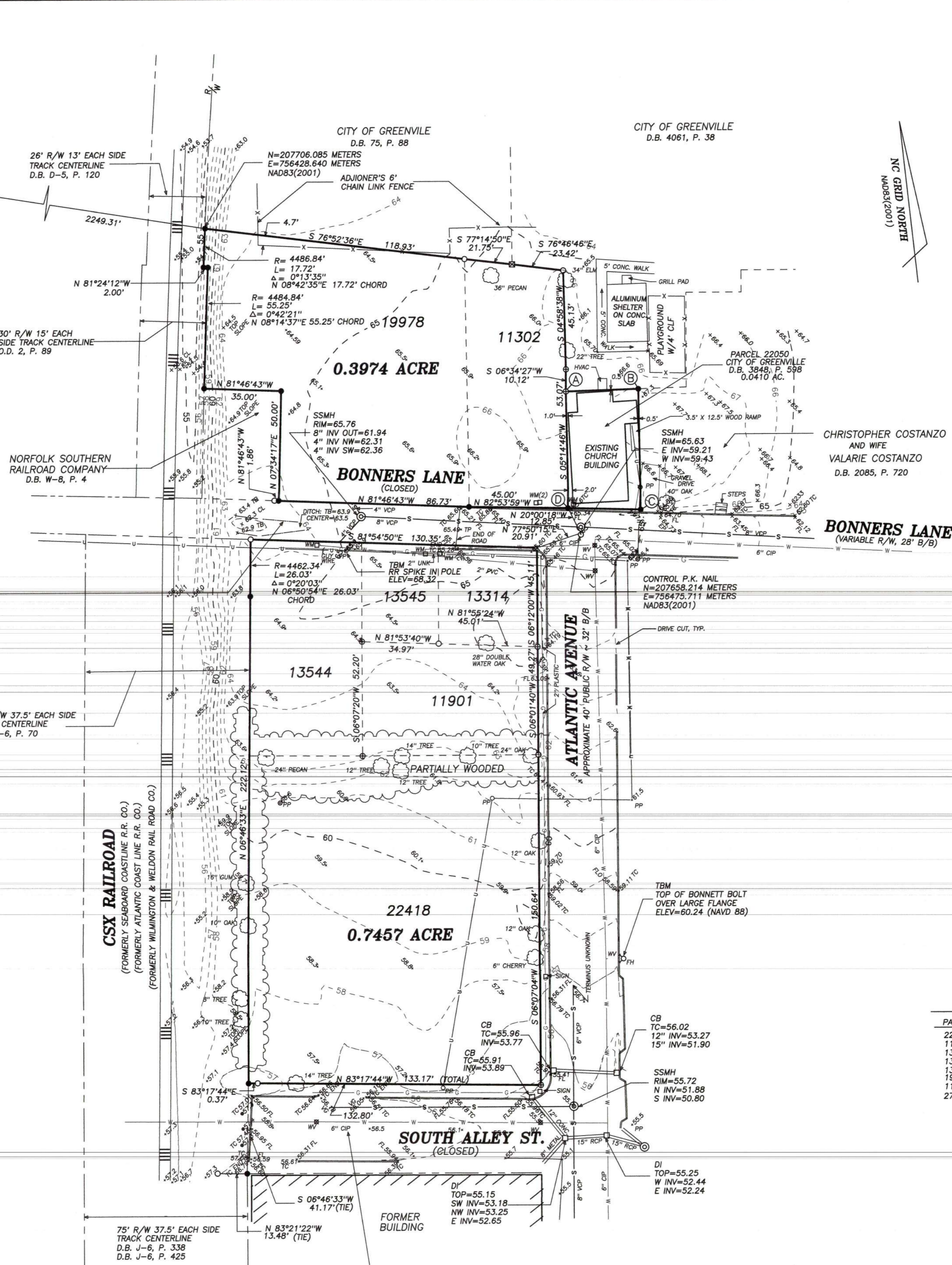
AREA SUMMARY

0.4384 AC.	NORTH OF BONNERS LN.
0.7363 AC.	SOUTH OF BONNERS LN.
1.1747 AC.	TOTAL

I, STEPHEN N. SPRUILL, CERTIFY THAT THIS PROJECT WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL GROUND SURVEY MADE UNDER MY SUPERVISION (DEED DESCRIPTION REFERENCED HEREON); THAT ALL BOUNDARIES SHOWN HAVE BEEN FIELD SURVEYED BY SPRUILL & ASSOCIATES INC., THAT THE RATIO OF PRECISION AS CALCULATED IS 1:16,164; THAT THE TOPOGRAPHIC SURVEY WAS PERFORMED AT THE 95% CONFIDENCE LEVEL (2 SIGMA) TO MEET FEDERAL GEOGRAPHIC DATA COMMITTEE STANDARDS AS APPLICABLE; THAT THE SURVEY WAS COMPLETED ON APRIL 4, 2022; THAT THE VERTICAL CONTROL WAS ESTABLISHED AT THE SITE TO THE CLASS "A" STANDARD; AND THAT THIS MAP MEETS THE REQUIREMENTS OF THE "STANDARDS OF PRACTICE FOR LAND SURVEYING IN NORTH CAROLINA" (21 NCAC 56.1600)

WITNESS MY SIGNATURE AND SEAL THIS THE 21 DAY OF APRIL, 2022

SIGNED: *Stephen N. Spruill*
PROFESSIONAL LAND SURVEYOR No. L-2723



CALL TABLE

A-B	S 85°41'26\"/>
B-C	S 05°19'25\"/>
C-D	N 82°25'29\"/>

REFERENCES

D.B. 3848, P. 598
D.B. 2436, P. 439
D.B. 75, P. 88
D.B. 2265, P. 374
D.B. 1239, P. 859
D.B. 35, P. 450
D.B. D-5, P. 120
D.B. F-6, P. 70
D.B. J-6, P. 338
D.B. J-6, P. 425
D.B. O.D. 2, P. 89
M.B. 79, P. 87
M.B. 76, P. 56-58
M.B. 3, P. 106
M.B. 5, P. 103
M.B. 57, P. 121
M.B. 71, P. 83

PITT COUNTY REGISTRY:
SEE ALSO THAT UNRECORDED MAP ENTITLED "STATION MAP, ATLANTIC COAST LINE R.R. CO, KINSTON BRANCH" DATED JUNE 30, 1917

LEGEND

- X NEW "X" CHISEL IN CONCRETE
- EXISTING ANGLE IRON
- CALCULATED CORNER, NO POINT SET
- ⊕ EXISTING IRON BAR
- EXISTING IRON PIPE
- EXISTING P.K. NAIL
- IRON PIPE SET
- △ EXISTING CONCRETE MONUMENT
- ▽ FIRE HYDRANT
- ▽ SIGN
- MANHOLE
- ⊕ WATER METER
- ⊕ WATER VALVE
- ⊕ GAS VALVE
- 51.1X EXISTING SPOT ELEVATION
- EXISTING CONTOUR
- - - EXISTING FENCE LINE
- - - EXISTING WATER LINE
- - - SANITARY SEWER LINE
- - - GAS LINE
- - - OVERHEAD UTILITY LINE
- PP0 POWER POLE

DEED REFERENCES FOR PARCELS WITHIN SURVEY LIMITS

PARCEL	AREA	DEED REFERENCES	OWNER
22418	0.4456 AC.	D.B. 3327, P. 422	REDEVELOPMENT COMMISSION OF GREENVILLE, NC
11901	0.0931 AC.	D.B. 3327, P. 422	CITY OF GREENVILLE
13544	0.1148 AC.	D.B. 1239, P. 859	CITY OF GREENVILLE
13545	0.0362 AC.	D.B. 1239, P. 859	CITY OF GREENVILLE
13314	0.0466 AC.	D.B. 3327, P. 422	REDEVELOPMENT COMMISSION OF GREENVILLE, NC
19978	0.2832 AC.	D.B. 2265, P. 374	REDEVELOPMENT COMMISSION OF GREENVILLE, NC
11302	0.1142 AC.	D.B. 1661, P. 855	CITY OF GREENVILLE
27050	0.0410 AC.	D.B. 3848, P. 598	CITY OF GREENVILLE
	1.1747 AC.		TOTAL

SOUTH ALLEY STREET HAS BEEN CLOSED BY CITY COUNCIL RESOLUTION 012-20 FROM THE WEST RIGHT OF WAY OF ATLANTIC AV. TO THE EAST RIGHT OF WAY OF CSX RAILROAD 5482.5 S.F. (D.B. 3886, P. 792; M.B. 86, P. 11)

SHEET 1 OF 1
THIRD REVISION OF TOPOGRAPHIC SURVEY FOR
CITY OF GREENVILLE
PROPOSED CITY PARKING LOT AREA
CITY OF GREENVILLE
GREENVILLE TOWNSHIP ~ PITT COUNTY ~ NORTH CAROLINA
DATE: APRIL 6, 2018 SCALE: 1"= 30'
REVISED 5-16-18; SHOW CHURCH BUILDING
ADJACENT TO EAST PROPERTY LINE
REVISED 12-11-19 TO CORRECT RAILROAD RIGHT OF WAY
REVISED 4-21-22 TO INCLUDE PARCEL 27050

GRAPHIC SCALE - FEET

Spruill & Associates Inc.
2747 East Tenth Street
Greenville, North Carolina 27858
(252) 797-1200
spruill@coastalnet.com

Firm No. C-978