

Vicinity Map
NOT TO SCALE

TOTAL ACREAGE IN SITE: TAX MAP NUMBER:

ACREAGE IN COMMON AREA: ACREAGE IN RECREATION AREA(S) AND THE LIKE: 0 AC. TOTAL NUMBER OF UNITS / BEDROOMS: **GROSS FLOOR AREA: BUILDING LOT COVERAGE: BUILDING HEIGHT IN FT. & STORIES:**

TOTAL NO. OF PARKING SPACES REQUIRED: TOTAL NO. OF PROPOSED PARKING SPACES: TOTAL SQ. FEET OF EXIST. IMPERVIOUS AREA: TOTAL SQ. FEET OF PROP. IMPERVIOUS AREA: IMPERVIOUS AREA FOR PARKING: DISTURBED ACREAGE:

0% EXIST., 0% PROPOSED 0 SPACES (INCL. 0 HC) 205 SPACES (INCL. 7 HC) 15,161 SF (14.9%) 78,541 SF (77.0%) 78,541 SF 3.0 AC.

2.34± AC.

34561, 05512, 06262, 13546

01760, 15813, 19875, 19874

CD (DOWNTOWN COMMERCIAL)

MAP BOOK 76, PAGE 58 ATLANTIC AVENUE

General Notes:

- 1. CITY OF GREENVILLE DRIVEWAY APPROVAL PERMIT IS REQUIRED.
- 2. ANY UNUSED DRIVEWAY MUST BE CLOSED IN ACCORDANCE WITH THE CITY OF GREENVILLE'S DRIVEWAY ORDINANCE.
- 3. CONTACT NORTH CAROLINA ONE-CALL CENTER, INC. (NC ONE-CALL) AT 811 TO HAVE ALL UNDERGROUND UTILITIES LOCATED PRIOR TO EXCAVATING OR
- 4. ALL REQUIRED IMPROVEMENTS SHALL CONFORM TO THE CITY OF GREENVILLE MANUAL OF STANDARD DESIGNS AND DETAILS (MSDD) AND THE GREENVILLE UTILITIES MANUAL FOR THE DESIGN AND CONSTRUCTION OF WATER AND WASTEWATER SYSTEM EXTENSIONS.
- 5. CONTRACTOR SHALL NOTIFY PUBLIC WORKS, STREET MAINTENANCE DIVISION 48 HOURS PRIOR TO MAKING CONNECTIONS TO EXISTING STORM DRAINS LOCATED WITHIN PUBLIC STORM DRAINAGE EASEMENTS OR RIGHT-OF-WAY.
- 6. THIS PROPERTY IS LOCATED IN A FLOOD ZONE X (AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN) AS SHOWN ON THE FEMA FLOOD INSURANCE RATE MAP NUMBER 3720468800K, EFFECTIVE JULY 7, 2014.
- 7. ELECTRIC AND TELEPHONE UTILITIES SHALL BE INSTALLED UNDERGROUND. 8. PAVEMENT SECTIONS ARE AS INDICATED ON PLAN SHEET C-6.
- 9. PROVIDE ALL NECESSARY SIGNAGE FOR HANDICAP PARKING. 10. PARKING LOT SHALL BE STRIPED IN ACCORDANCE WITH PLAN.
- 11. CONTRACTOR SHALL BE RESPONSIBLE FOR STAKING OF LIGHT POLES AND COORDINATION WITH GREENVILLE UTILITIES FOR INSTALLATION OF LIGHT POLES AND RELOCATION OF EXISTING OVERHEAD ELECTRIC.
- 12. THIS PROJECT DISTURBS MORE THAN 0.5 ACRE. STORMWATER MANAGEMENT PLAN APPROVAL IS REQUIRED.
- 13. THIS PROJECT DISTURBS MORE THAN 1 ACRE. EROSION CONTROL PLAN
- APPROVAL IS REQUIRED.
- 14. REFUSE COLLECTION SHALL BE PROVIDED BY PRIVATE SERVICE.
- 15. ALL DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.
- 16. SITE SHALL MEET ALL RELATED ACCESSIBILITY CODE REQUIREMENTS.

Survey Note:

BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN HEREON WAS PREPARED BY SPRUILL & ASSOCIATES AS SHOWN ON DRAWING ENTITLED TOPOGRAPHIC SURVEY AND COMPOSITE BOUNDARY MAP FOR CITY OF GREENVILLE DATED NOVEMBER 16, 2017, ATTACHED TO THIS DRAWING SET FOR REFERENCE.

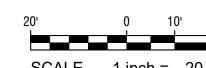
Sheet Index:

Sheet No. C-1 Site Layout Sheet No. C-2 Demolition Sheet No. C-3 **Erosion Control** Sheet No. C-4 Grading Sheet Nos. C-5 - C-9 Details

1 Sheet (SPRUILL & ASSOCIATES Surveyor)

Owner / Developer

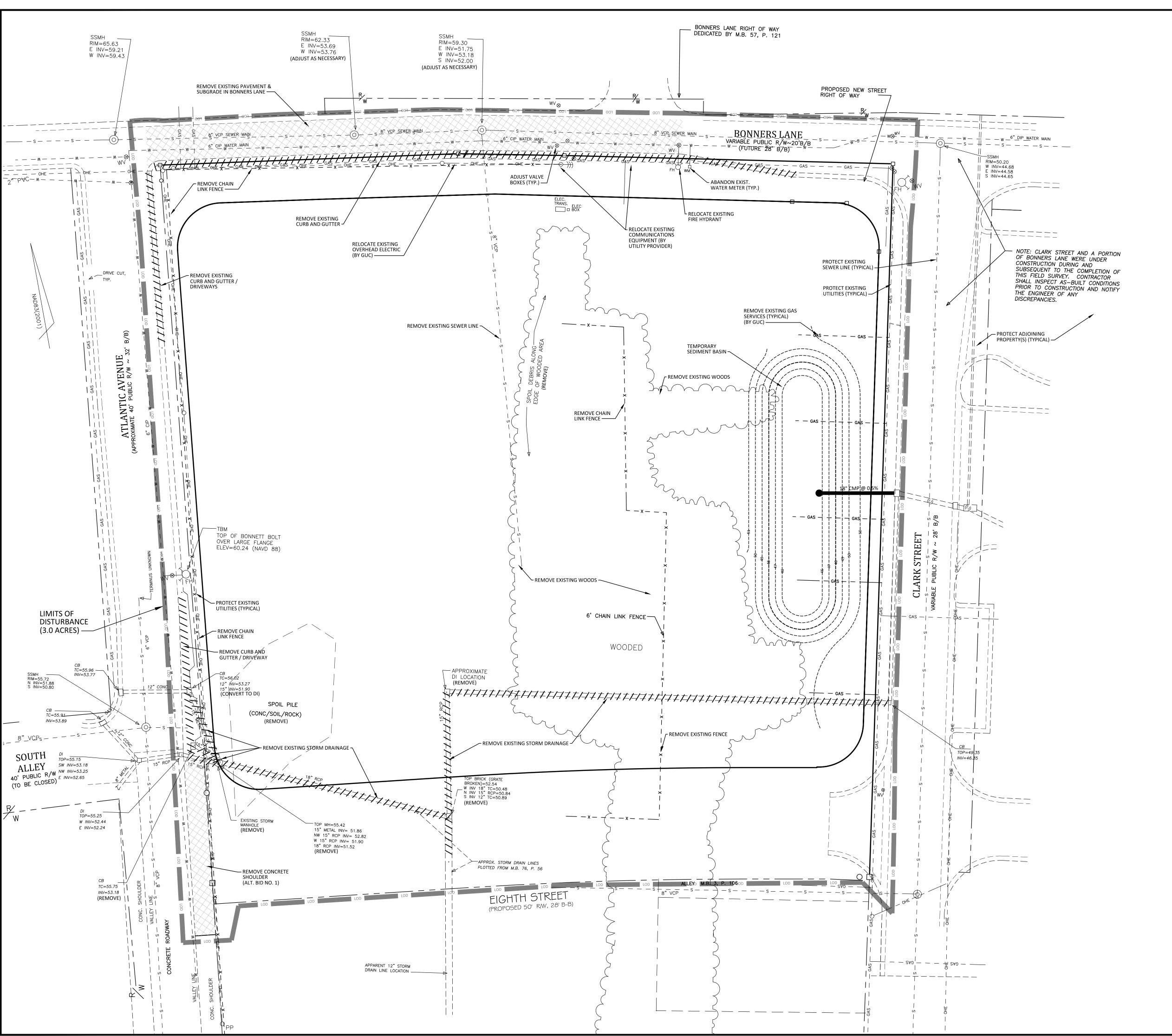
CITY OF GREENVILLE 1500 BEATTY STREET GREENVILLE, NC 27834 PHONE: (252) 329-4522



SCALE 1 inch = 20 ft

REVISIONS:

Project Manager: Drawn By Checked By 17042 D-1129 Drawing Number:



Demolition Notes:

- 1. 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.
- 2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL LOCAL AND STATE PERMITS REQUIRED FOR DEMOLITION WORK.
- 3. 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.
- 4. 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 THE DEMOLITION WORK FOR THIS PROJECT. IF CONDITIONS ENCOUNTERED DURING EXAMINATION ARE SIGNIFICANTLY DIFFERENT THAN THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
- 5. 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.
- 6. THE BURNING OF CLEARED MATERIAL AND DEBRIS SHALL NOT BE ALLOWED UNLESS CONTRACTOR GETS WRITTEN AUTHORIZATION FROM THE LOCAL
- 7. 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.
- 8. 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.
- 9. CONTRACTOR SHALL ADHERE TO ALL LOCAL, STATE, FEDERAL, AND OSHA REGULATIONS WHEN OPERATING DEMOLITION EQUIPMENT AROUND UTILITIES.
- 10. 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.
- 11. CONTRACTOR SHALL PROTECT AT ALL TIMES ADJACENT STRUCTURES AND ITEMS FROM DAMAGE DUE TO DEMOLITION OR CONSTRUCTION ACTIVITIES.
- 12. 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
- 13. CONTRACTOR SHALL REMOVE EXISTING VEGETATION AND IMPROVEMENTS WITHIN LIMITS OF DISTURBANCE UNLESS NOTED OTHERWISE.
- 14. TREES OUTSIDE OF CONSTRUCTION LIMITS OR TREES NOT INDICATED TO BE REMOVED SHALL BE PROTECTED.

Construction Sequence

- 1. INSTALL PERIMETER SILT FENCE AND TEMPORARY GRAVEL CONSTRUCTION ENTRANCES.
- 2. INSTALL INLET PROTECTION AROUND EXISTING STORM DRAINAGE STRUCTURES.
- 3. INSTALL SEDIMENT SKIMMER BASIN #1 AND TEMPORARY DIVERSION DITCHES.
- 4. PERFORM DEMOLITION AND ON-SITE IMPROVEMENTS.
- 5. PERFORM ROUGH GRADING.
- 6. INSTALL STORM DRAINAGE. INSTALL INLET PROTECTION AROUND NEW STORM DRAINAGE STRUCTURES.
- 7. INSTALL CURB & GUTTER.
- 8. INSTALL SITE LIGHTING.
- 9. PLACE AND ROUGH GRADE STONE BASE IN AREAS OUTSIDE OF TEMPORARY SEDIMENT SKIMMER BASIN.
- 10. REMOVE TEMPORARY SEDIMENT SKIMMER BASIN AND INSTALL UNDERGROUND DETENTION SYSTEM.
- 11. COMPLETE PLACEMENT OF STONE BASE AND FINE GRADING.
- 12. PLACE ASPHALT & CONCRETE PAVEMENT.
- 13. INSTALL SITE LANDSCAPING.
- 14. PERFORM PAINT STRIPING.

Know what's **below**.

Call before you dig.

1-800-632-4949

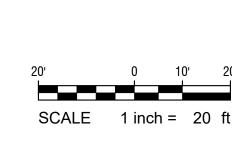
15. REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND INSTALL PERMANENT VEGETATION.

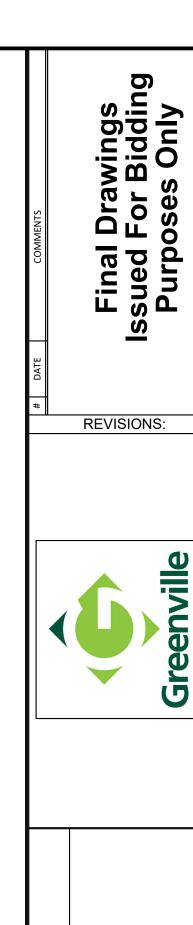


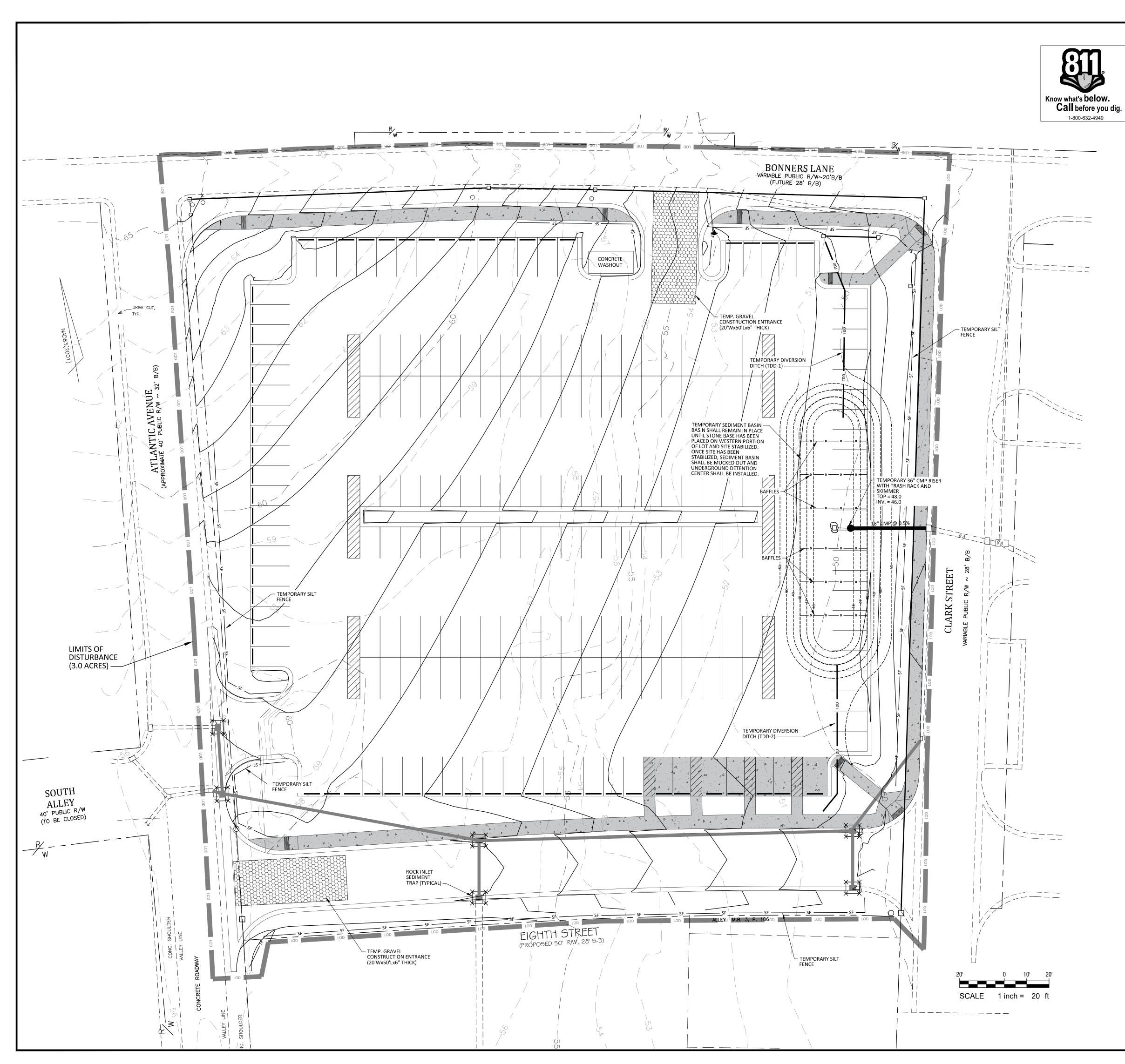
Checked By Drawing Number:

Proiect Manager Drawn By

17042 D-1129







Permanent Seeding Schedule:

SEED BED PREPARATION

- 2 TONS PER ACRE FERTILIZER (10-20-20) - 500 POUNDS PER ACRE

SEEDING MIXTURE (JANUARY 1 - MARCH 31)

- 20 POUNDS PER ACRE COMMON BERMUDA GRASS (UNHULLED) RYE (GRAIN) - 25 POUNDS PER ACRE

> - 15 POUNDS PER ACRE - 5 POUNDS PER ACRE

> - 8 POUNDS PER ACRE

- 20 POUNDS PER CARE

- 60 POUNDS PER ACRE

- 25 POUNDS PER ACRE

(APRIL 1 - JULY 31)

COMMON BERMUDAGRASS (HULLED) WEEPING LOVEGRASS

CENTIPEDE (AUGUST 1 - DECEMBER 31)

COMMON BERMUDA GRASS (UNHULLED) TALL FESCUE RYE (GRAIN)

SEED BED PROTECTION:

STRAW MULCH - 2 TONS PER ACRE (VISUAL) ASPHALT TACK - 0.03 GALLONS PER SQUARE YARD

Erosion Control Provisions

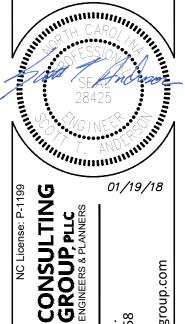
- NO PERSON MAY INITIATE A LAND DISTURBING ACTIVITY BEFORE NOTIFYING THE CITY OF GREENVILLE ENGINEERING DEPARTMENT OF THE DATE THAT THE LAND DISTURBING ACTIVITY WILL
- SEED OR OTHERWISE PROVIDE GROUND COVER DEVICES OR STRUCTURES SUFFICIENT TO RESTRAIN EROSION FOR ALL EXPOSED SLOPES WITHIN 7 DAYS OF COMPLETION OF ANY PHASE OF GRADING ON PERIMETER AREAS AND SLOPES STEEPER THAN 3:1. ALL OTHER AREAS SHALL BE STABILIZED WITHIN 14 DAYS.
- 3. 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.
- 4. THE CITY ENGINEER RESERVES THE RIGHT TO REQUIRE ADDITIONAL EROSION CONTROL MEASURES SHOULD THE PLAN OR ITS IMPLEMENTATION PROVE TO BE INADEQUATE.
- 5. EROSION CONTROL MEASURES SHALL BE MAINTAINED AND INSPECTED AS PER THE DETAIL SHEETS
- 6. 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.
- 7. 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.
- 8. 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.
- 9. LAND DISTURBING ACTIVITY BEYOND THAT REQUIRED TO INSTALL APPROPRIATE EROSION CONTROL MAY NOT PROCEED UNTIL EROSION CONTROL MEASURES ARE INSPECTED AND APPROVED BY THE
- 10. 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.
- 11. 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. 12. NO PONDING OF WATER SHALL BE ALLOWED TO COLLECT ON OR NEAR THE INTERSECTION OF PRIVATE DRIVEWAY(S) AND A PUBLIC STREET. RECONSTRUCTION OF THE DRIVEWAY APP ROACH
- SHALL BE AT THE CONTRACTOR'S EXPENSE.
- 13. INSTALL ROCK INLET SEDIMENT TRAPS AROUND ALL CATCH BASINS, DROP INLETS, AND YARD
- 14. PROVIDE 20' X 50' X 8" STONE CONSTRUCTION ENTRANCES AS SHOWN ON PLAN.

Erosion Control General Notes

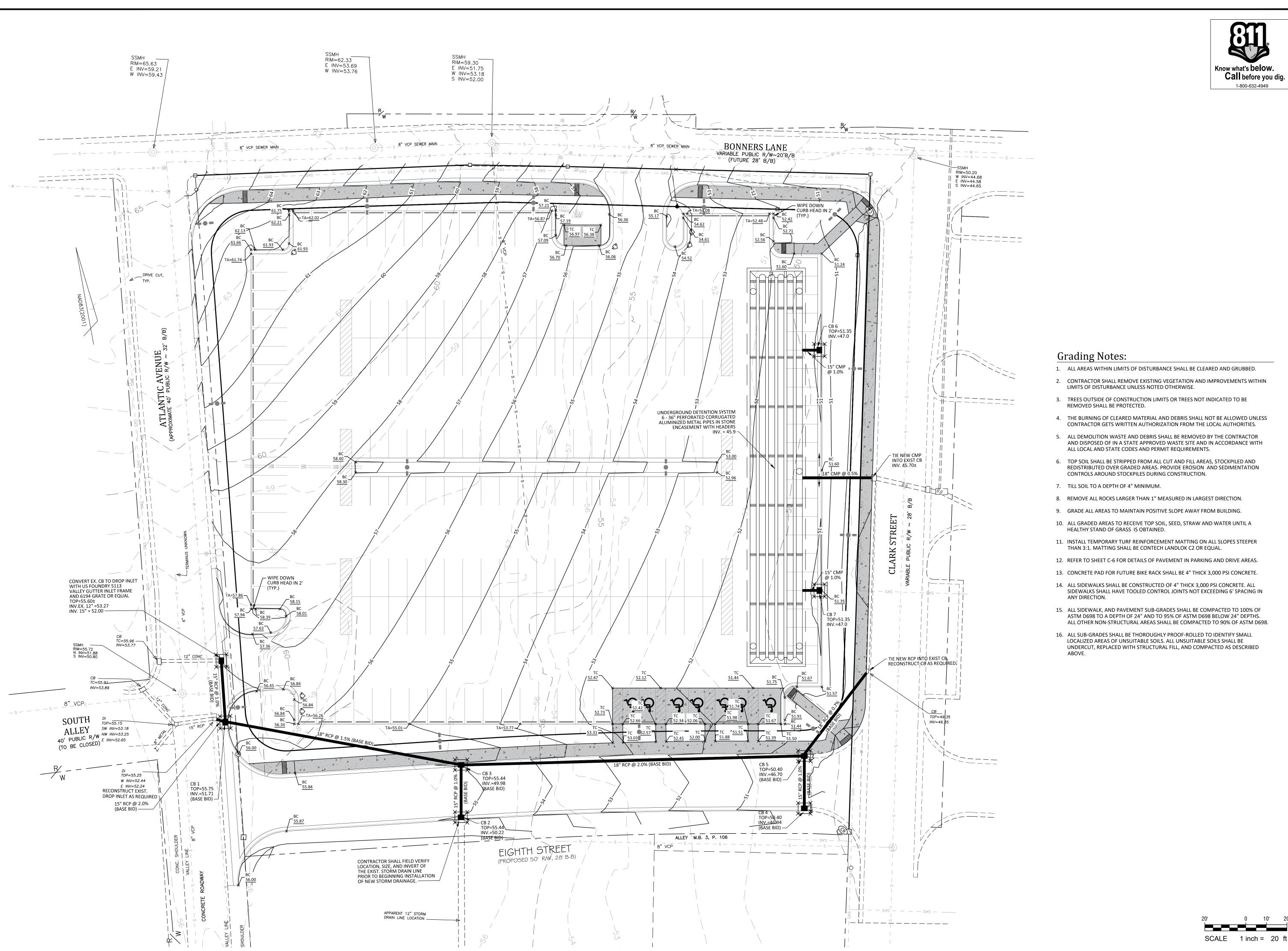
- 1. IN THE EVENT OF A CONFLICT BETWEEN THE REQUIREMENTS OF THE SEDIMENTATION POLLUTION CONTROL ACT, THE SUBMITTED PLAN AND/OR THE CONTRACT SPECIFICATIONS, THE MORE RESTRICTIVE REQUIREMENT SHALL PREVAIL.
- 2. THE LAND-DISTURBING ACTIVITY SHALL BE CONDUCTED IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN.
- 3. 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.
- 4. 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.
- 5. 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 SEEDED AREAS. THE MULCH MUST COVER AT LEAST 75%± OF THE SEEDED AREA AFTER IT IS EITHER TACKED, WITH AN ACCEPTABLE TACKING MATERIAL, OR CRIMPED IN PLACE.
- 6. 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).
- 7. INSTALL SILT FENCE AROUND SPOIL PILES AND ALONG TRENCHES TO MINIMIZE SEDIMENT FROM
- 8. PROVIDE EROSION CONTROL MEASURES AROUND STOCK/WASTE PILES AND STAGING AREAS AS NEEDED OR AS DIRECTED BY ENGINEER.
- 9. 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.
- 10. 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 NCDEQ.
- 11. 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.
- 12. PROVIDE EROSION CONTROL MATTING WHERE INDICATED UNLESS DIRECTED OTHERWISE BY THE
- 13. PROVIDE PERMANENT SEEDING IN ACCORDANCE WITH THE SEEDING SCHEDULE.

REVISIONS:





Project Manager: Checked By 17042 Drawing Number: D-1129



REVISIONS:

Project Manager: Drawn By Checked By 17042

D-1129

Date: 01-19-2018

Drawing Number:

Erosion Control Measures:

- 1. 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.
- 2. 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.
- 3. 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 agriculture 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.

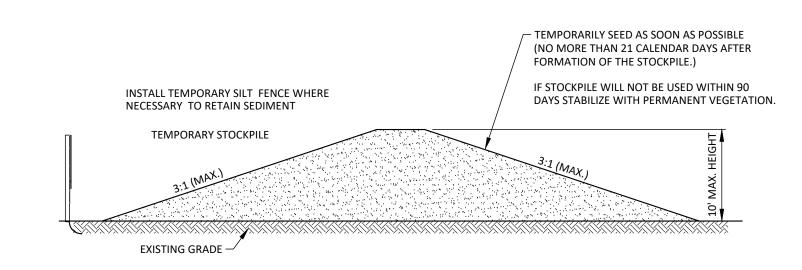
When hydroseeding equipment is used for seeding, fertilizer shall be applied simultaneously with seed, using the above rates of application. Seed shall be certified seed or equivalent based on North Carolina Seed Improvement Association requirements for certification. All seed shall be furnished in sealed 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.

4. Ground Stabilization (Per NCG010000)

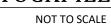
- a. Soil stabilization shall be achieved on any area of a site where land-disturbing activities have temporarily or permanently ceased according to the following
- i. All perimeter dikes, swales, ditches, perimeter slopes and all slopes steeper than 3 horizontal to 1 vertical (3:1) shall be provided 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. ii. 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. b. Conditions - In meeting the stabilization requirements above, the following conditions or exemptions shall apply:
- i. Extensions of time may be approved by the permitting authority based on weather or other site-specific conditions that make compliance impracticable. ii. 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.
- iii. Any sloped area flatter than 4:1 shall be exempt from the 7-day ground cover requirement. iv. 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.
- v. Although stabilization is usually specified as ground cover, other methods, such as chemical stabilization, may be allowed on a case-by-case basis. vi. 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. vii. 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&SC plan or added by the permitting authority.
- 5. 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. A rain gauge shall be maintained in good working order on the site unless another rain monitoring device has been approved by the permitting authority.
- b. 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").
- c. 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:
- i. 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 ii. 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. iii. Times when a determination that adverse weather conditions prevented inspections should be documented on the Inspection Record. d. 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.
- e. Inspections are only required to be made during normal 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. f. Twenty-four Hour Reporting for visible sediment deposition
- i. 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 any noncompliance 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
- ii. 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 written submission shall contain a description of the sediment deposition and actions taken to address the cause of the deposition. The Division of Water Quality staff may waive the requirement for a written report on a case-by-case basis.
- g. 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. h. Inspection records must include, at a minimum, the following:
- i. Control Measure Inspections: Inspection records must include at a minimum:
- 1. identification of the measures inspected. 2. date and time of the inspection,

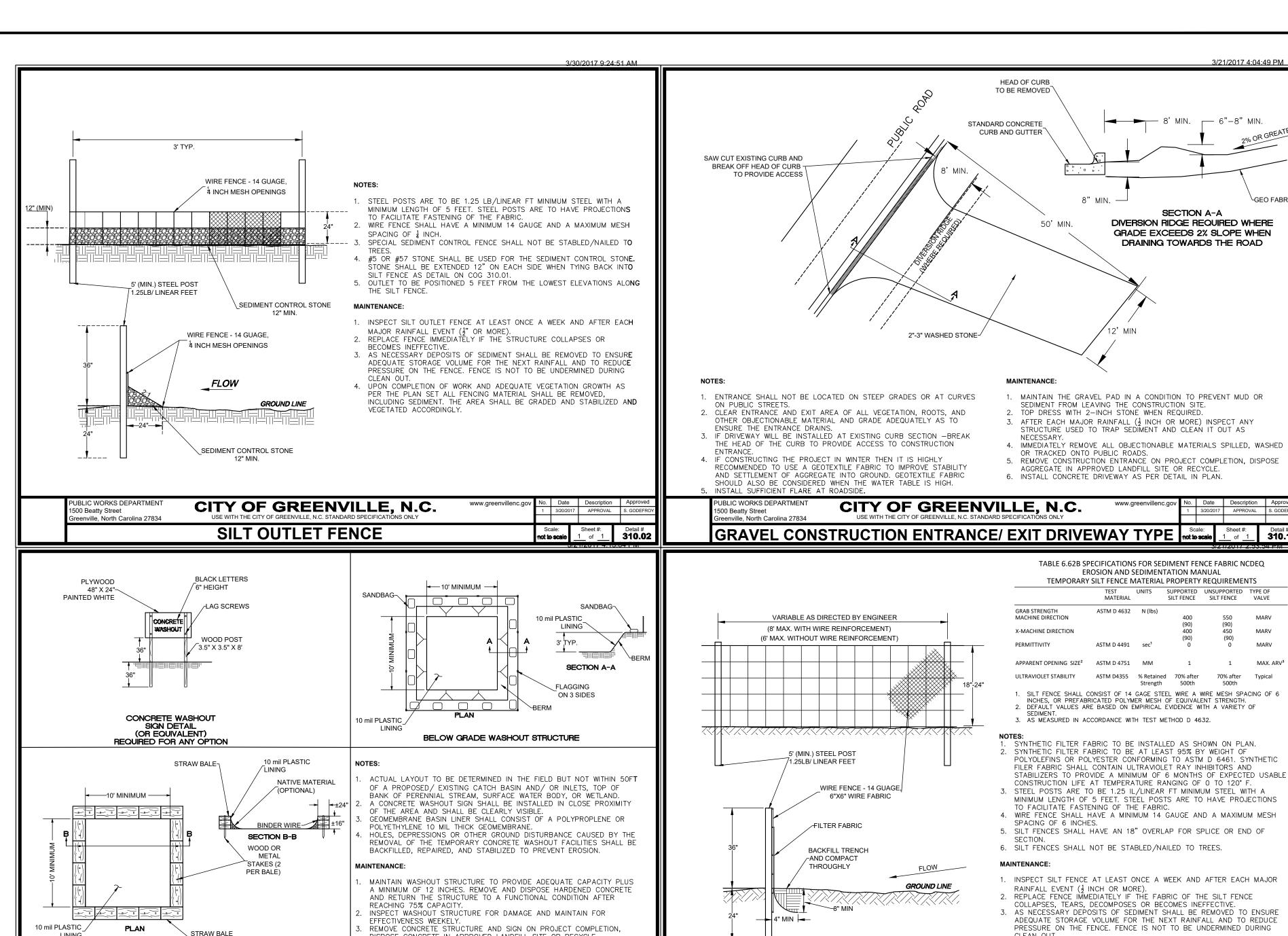
Inspection Record.

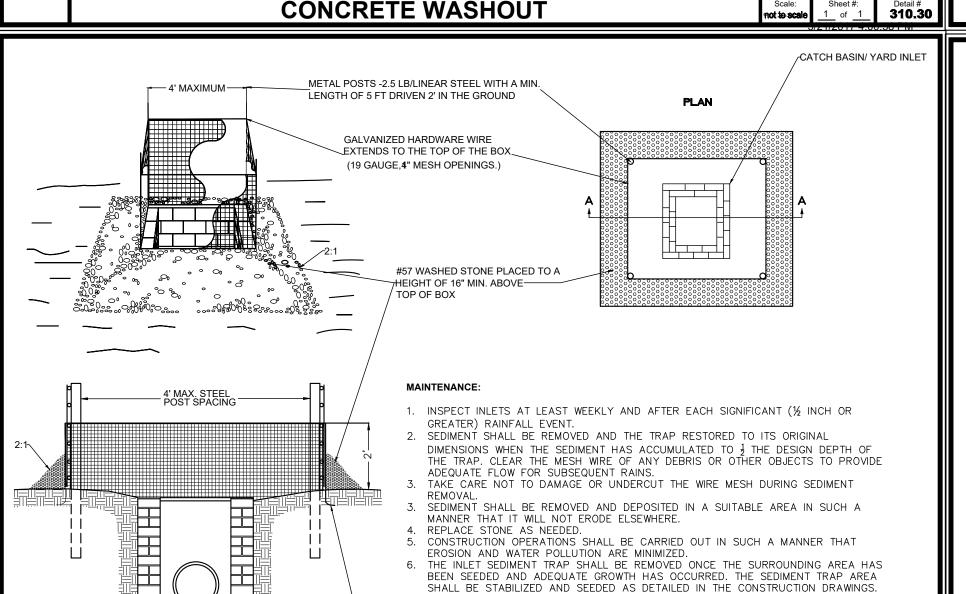
- name of the person performing the inspection 4. indication of whether the measures were operating properly,
- 5. description of maintenance needs for the measure,
- 6. corrective actions taken and date of actions taken.
- ii. Stormwater Discharge Inspections: Inspection records must include at a minimum:
- identification of the discharge outfall inspected, 2. date and time of the inspection,
- 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. actions taken to correct/prevent sedimentation and
- date of actions taken.
- iii. Visible Sedimentation Found Outside the Site Limits: Inspection records must include: an explanation as to the actions taken to control future releases,
- 2. actions taken to clean up or stabilize the sediment that has left the site limits and
- the date of actions taker iv. 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. 1. 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 polluntants, 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. he DWQ 303(d) list can be found at: http://h2o.enr.state.nc.us/tmdl/General_303d.htm/
- 6. All erosion and sedimentation control devices shall remain in place and be maintained by the Contractor until all seeding is established and construction
- 7. Temporary Seeding Seed in accordance with Soil Conservation Service recommendations with regard to seed type, rate of application, fertilizer, etc.



TEMPORARY STOCKPILE







WIRE MESH 8" INTO

CATCH BASIN/ YARD INLET PROTECTION

CITY OF GREENVILLE, N.C.

THE GROUND

CITY OF GREENVILLE, N.C.

ABOVE GRADE WITH STRAW BALES

500 Beatty Street

enville, North Carolina 27834

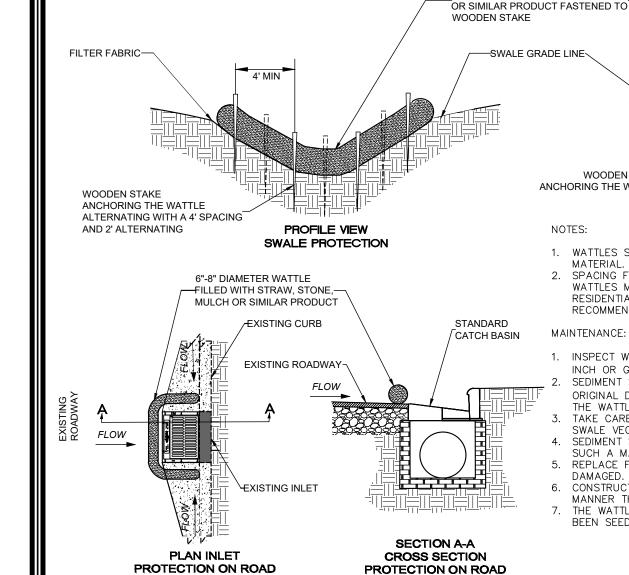
SECTION A-A

00 Beatty Street

DISPOSE CONCRETE IN APPROVED LANDFILL SITE OR RECYCLE.

ACCORDINGLY TO PLANT SCHEDULE. MULCH AREA ACCORDINGLY.

GRADE THE EARTH MATERIAL TO MATCH EXISTING CONTOURS AND SEED



1500 Beatty Street

310.30

enville, North Carolina 27834

UBLIC WORKS DEPARTME

enville North Carolina 2783

500 Beatty Street

CROSS SECTION WOODEN STAKE SWALE PROTECTION ANCHORING THE WATTLE WATTLES SHALL BE FILLED WITH STRAW OR OTHER APPROVED SPACING FOR WATTLES SHALL BE DETERMINED BY THE SITE ENGINEER. WATTLES MAY BE USED FOR PROTECTION OF CATCH BASINS AND RESIDENTIAL BACK LOT DRAINAGE SWALES. WATTLES ARE NOT RECOMMENDED IN HIGH FLOW DRAINAGE DITCHES. MAINTENANCE: INSPECT WATTLES AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2 INCH OR GREATER) RAINFALL EVENT. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO $\frac{1}{2}$ THE WATTLE DIAMETER SIZE TAKE CARE NOT TO DAMAGE THE STREET OR UNDERCUT THE EXISTING SWALE VEGETATION. SEDIMENT SHALL BE REMOVED AND DEPOSITED IN A SUITABLE AREA IN SUCH A MANNER THAT IT WILL NOT ERODE ELSEWHERE. REPLACE FILL MATERIAL AS NEEDED, REPLACE WATTLE IF IT IS CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION ARE MINIMIZED. THE WATTLE SHALL BE REMOVED ONCE THE SURROUNDING AREA HAS BEEN SEEDED AND ADEQUATE GROWTH HAS OCCURRED.

4. UPON COMPLETION OF WORK AND ADEQUATE VEGETATION GROWTH AS

INCLUDING SEDIMENT. THE AREA SHALL BE GRADED AND STABILIZED AND

PER THE PLAN SET ALL FENCING MATERIAL SHALL BE REMOVED,

VEGETATED ACCORDINGLY.

CITY OF GREENVILLE, N.C.

CITY OF GREENVILLE, N.C.

WATTLE DETAIL AROUND INLET OR SWALES

12" DIAMETER WATTI F

FILLED WITH STRAW STONE MULCH

SILT FENCE

ngs dding nly

3/21/2017 4:04:49 PM

MARV

REVISIONS:



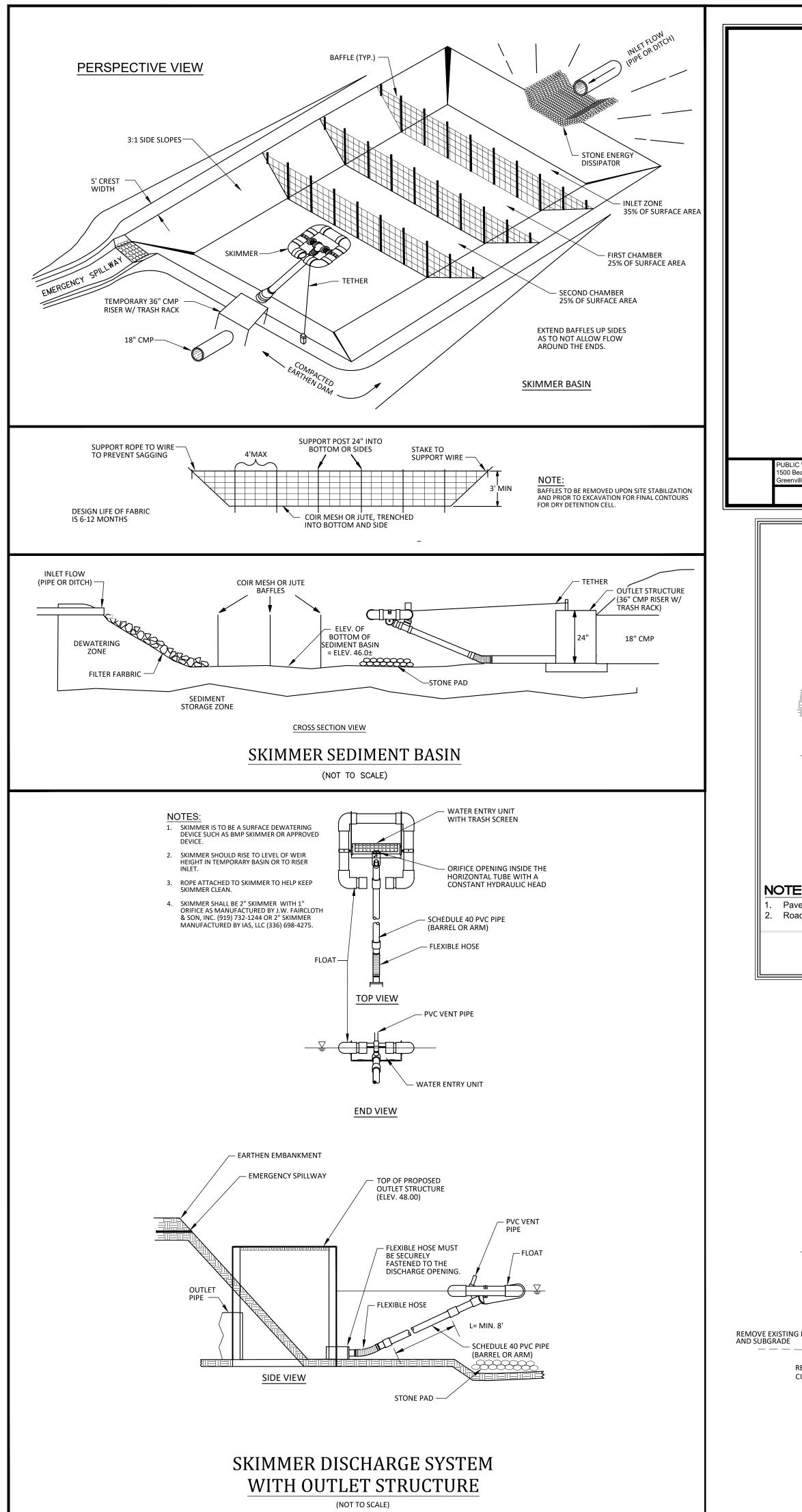
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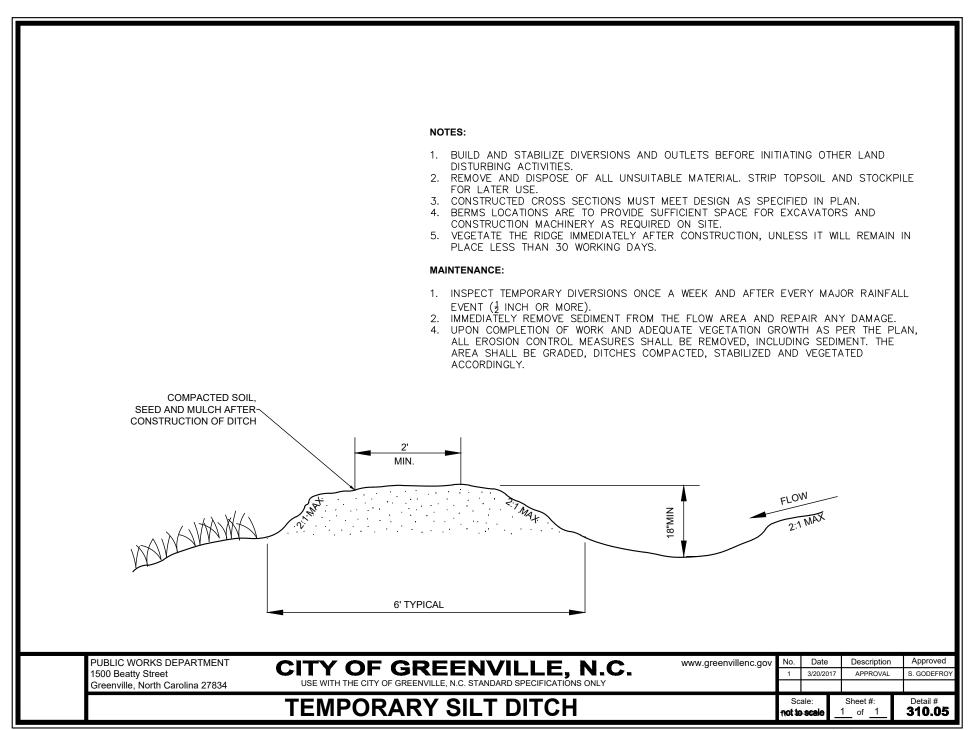
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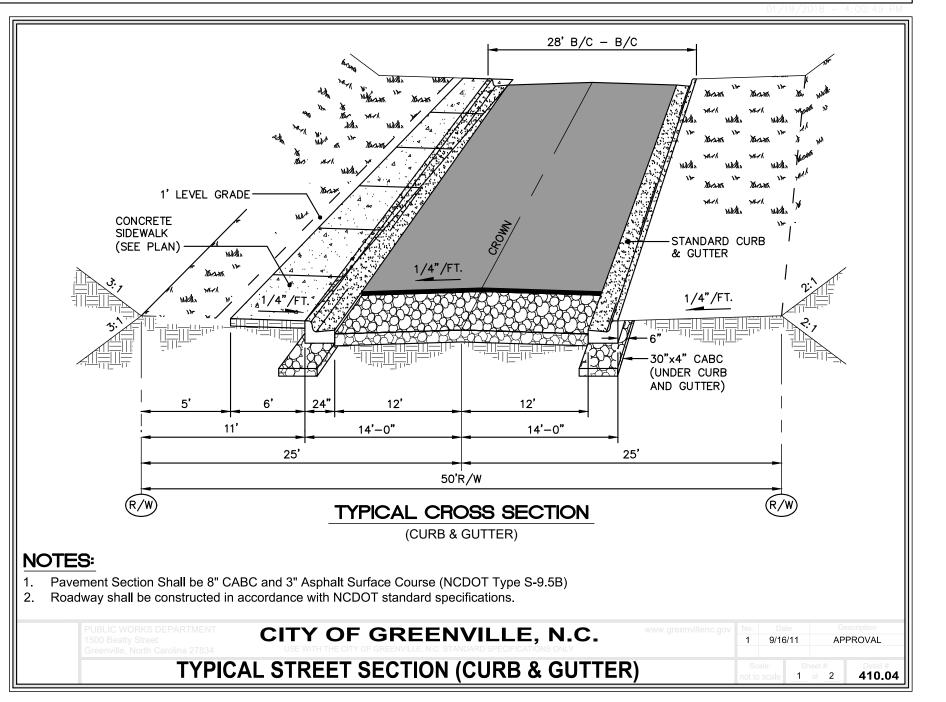
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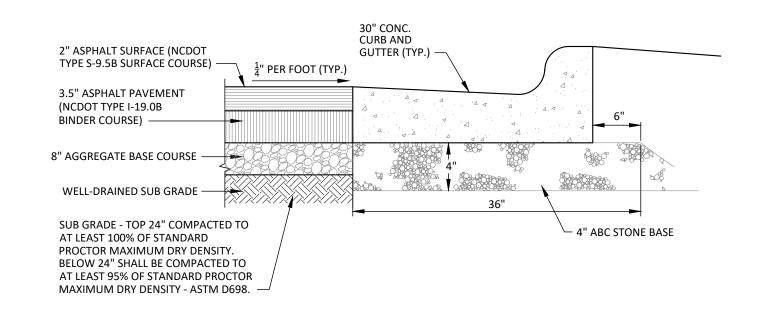
Date: 01-19-2018

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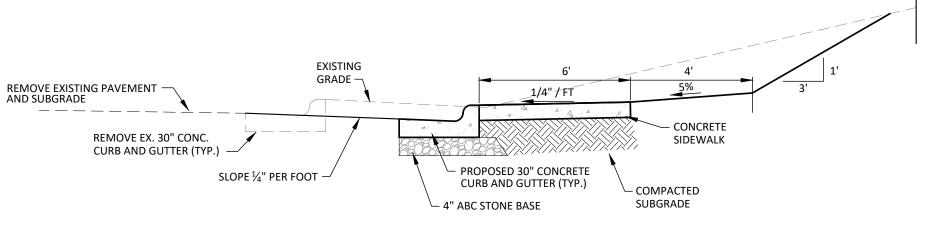




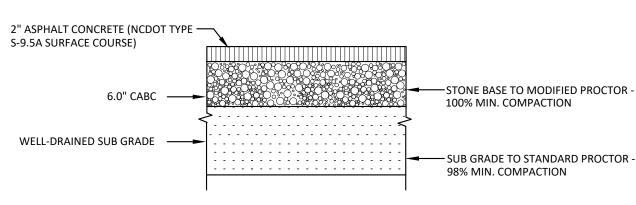




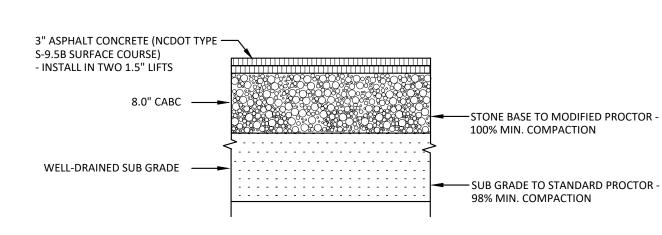
PAVEMENT SECTION DETAIL - BONNER'S LANE WIDENING



DETAIL - BONNER'S LANE WIDENING



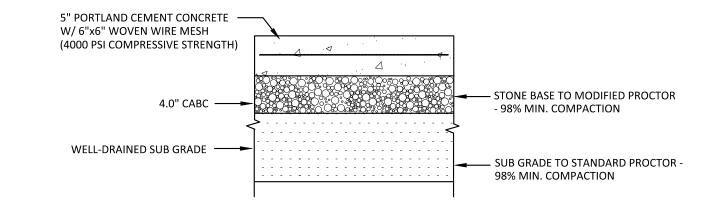
PARKING LOT PAVEMENT SECTION (NOT TO SCALE)



HEAVY DUTY ASPHALT PAVEMENT SECTION

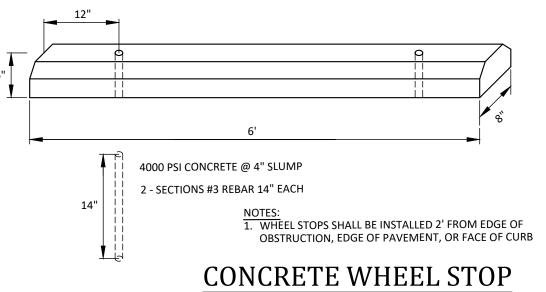
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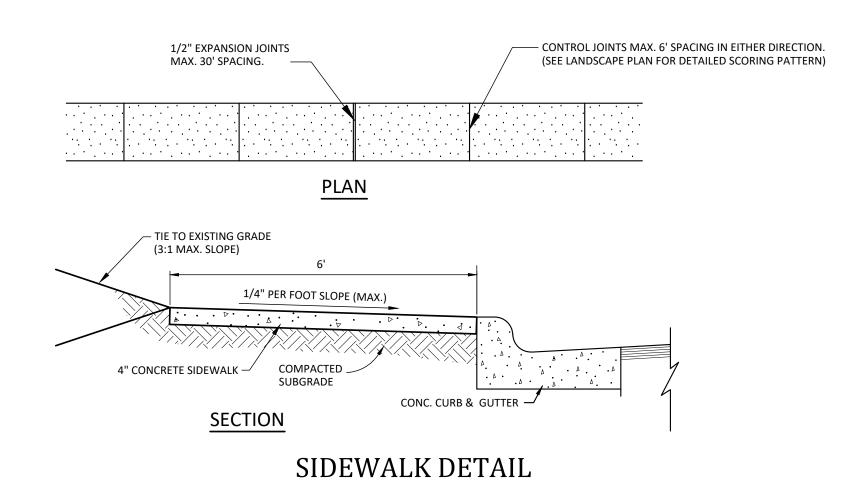


CONCRETE PAVEMENT SECTION FOR USE IN ACCESSIBLE PARKING STALLS

NOT TO SCALE



(NOT TO SCALE)

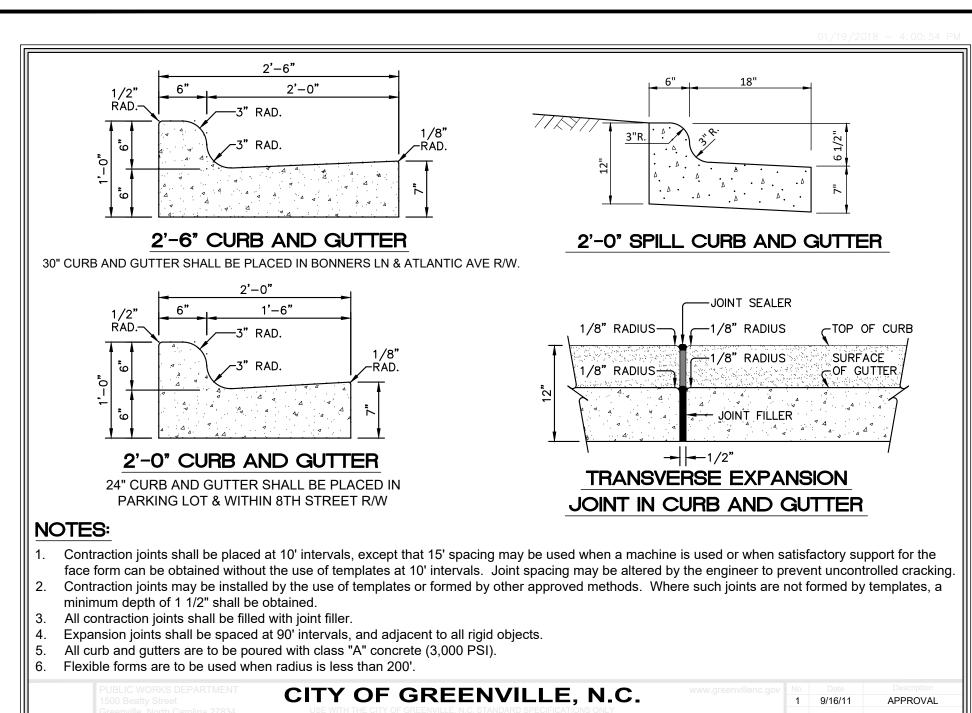


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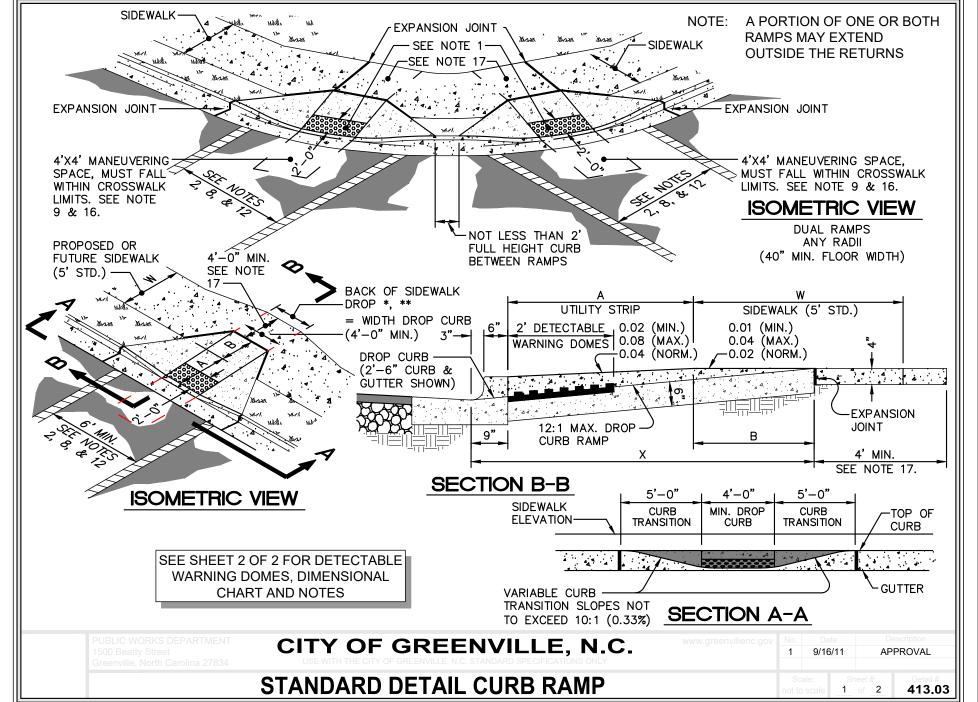
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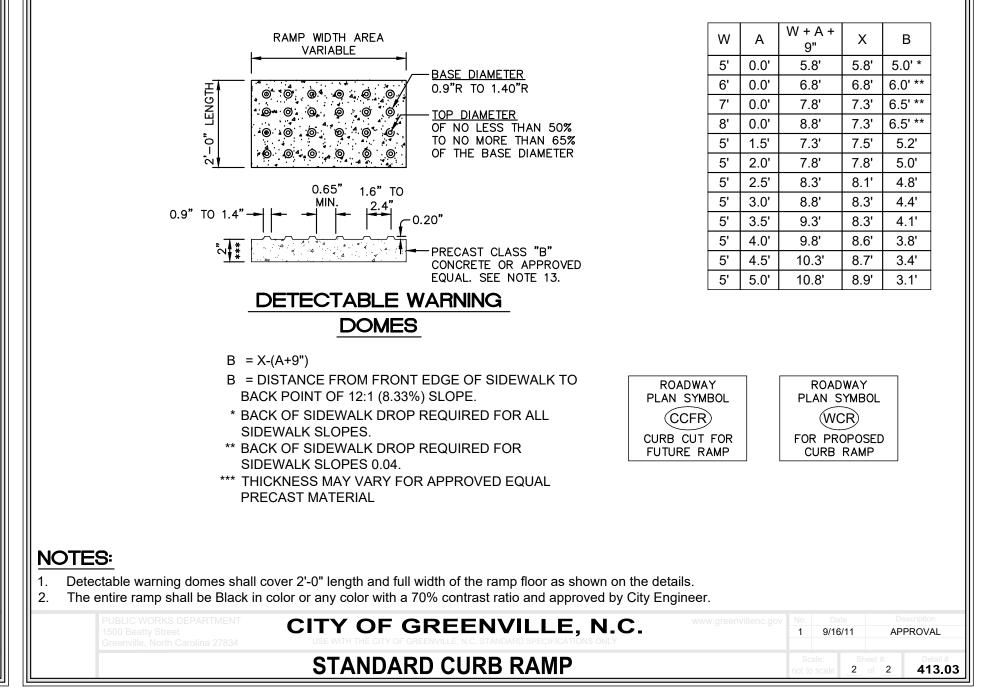


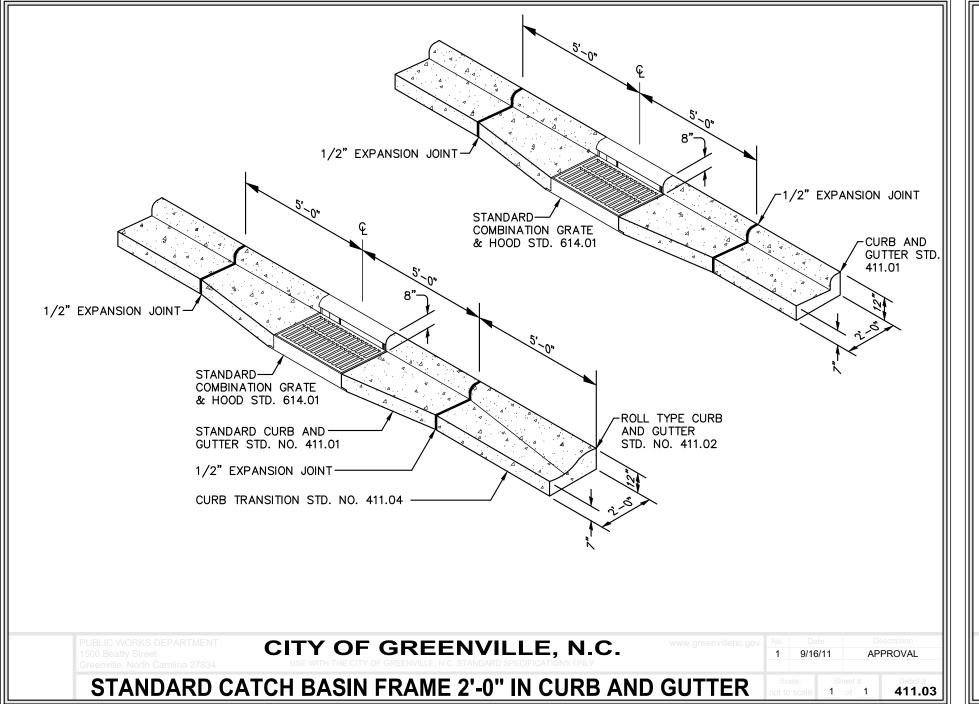
STANDARD CURB & GUTTER

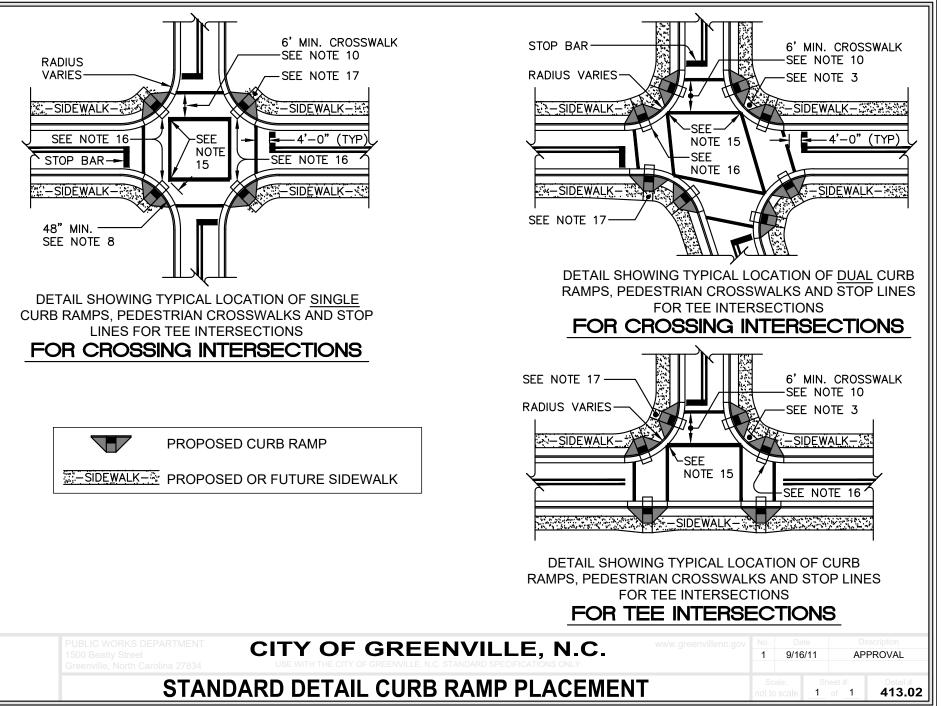
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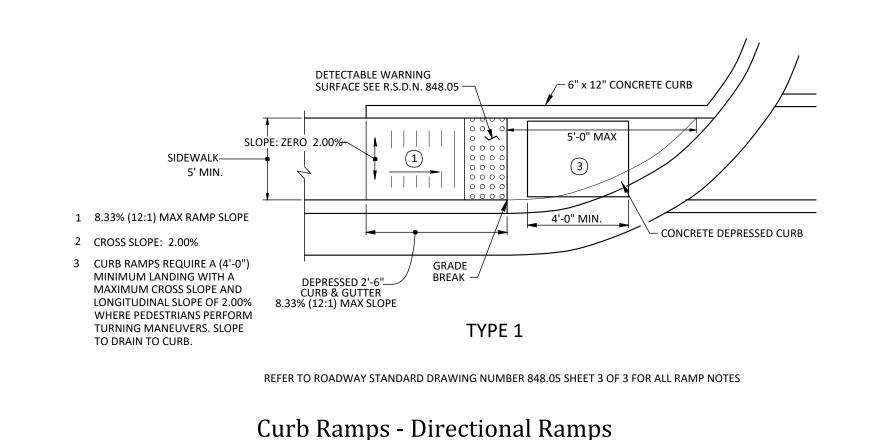
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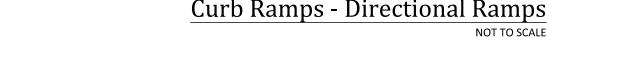


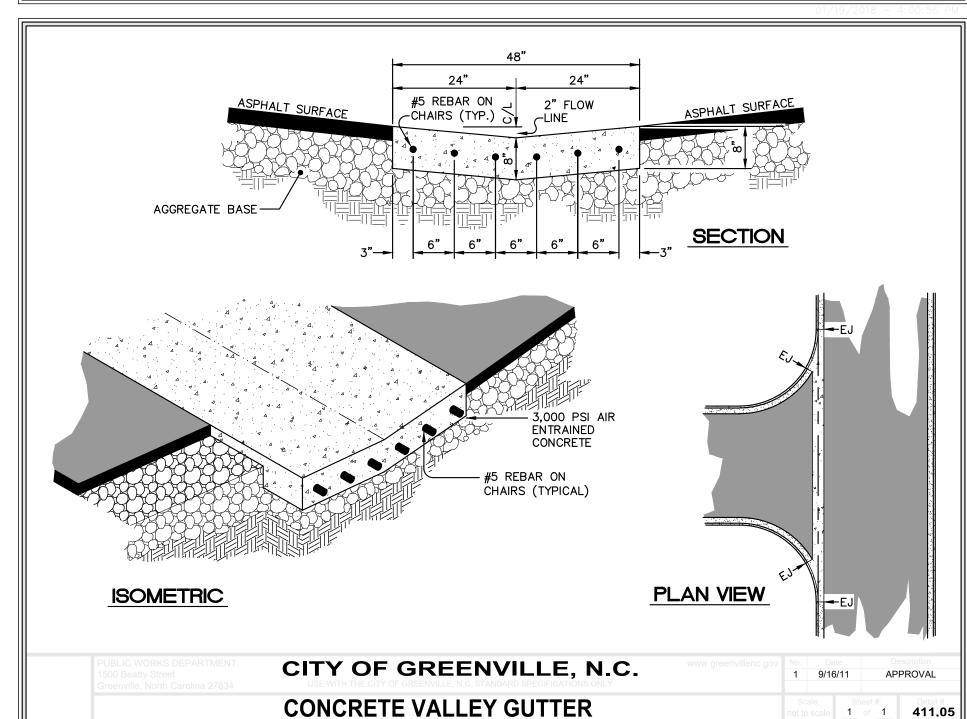


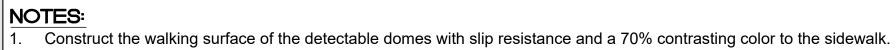












- Crosswalk widths and configuration vary but must conform to traffic design standards. Provide curb ramps at locations as shown on the plans or as directed by the engineer. Locate curb ramps as directed by the engineer where existing light poles, fire hydrants, drop inlets, etc. affect placement. Where 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.
- Do not exceed 0.08 ft./ft. (12:1) slope on the curb ramp in relationship to the grade of the street.
- Construct curb ramps a minimum of 48" wide (4'-0"); Greater for dual ramps.
- Use class "B" concrete with a sidewalk finish in order to obtain a rough non-skid type surface.
- Place a 1/2" expansion joint where the concrete curb ramp joins the curb.
- Place the inside pedestrian crosswalk lines no closer in the intersection then 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.
- 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
- 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.

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	No.	9/16/11	Description APPROVA	ail # 3.01
STANDARD CROSSWALK & CURB RAMP NOTES	Sca not to	scale 1	of 2 41;	3.01

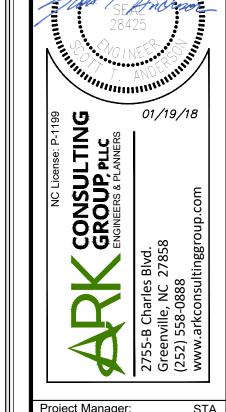


- 14. For all roads with radius 25' or less. Only one curb ramp is required. Curb ramps to be placed as per traffic design standards to ensure pedestrians enter & exit without entering travel lanes.
- 15. Terminate parking a minimum of 20 feet back of pedestrian walk.
- 16. A 4'x4' maneuvering space 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.

CITY OF GREENVILLE, N.C.

STANDARD CROSSWALK & CURB RAMP NOTES

20. Construct all ramps and sidewalks with a 2% cross slope.



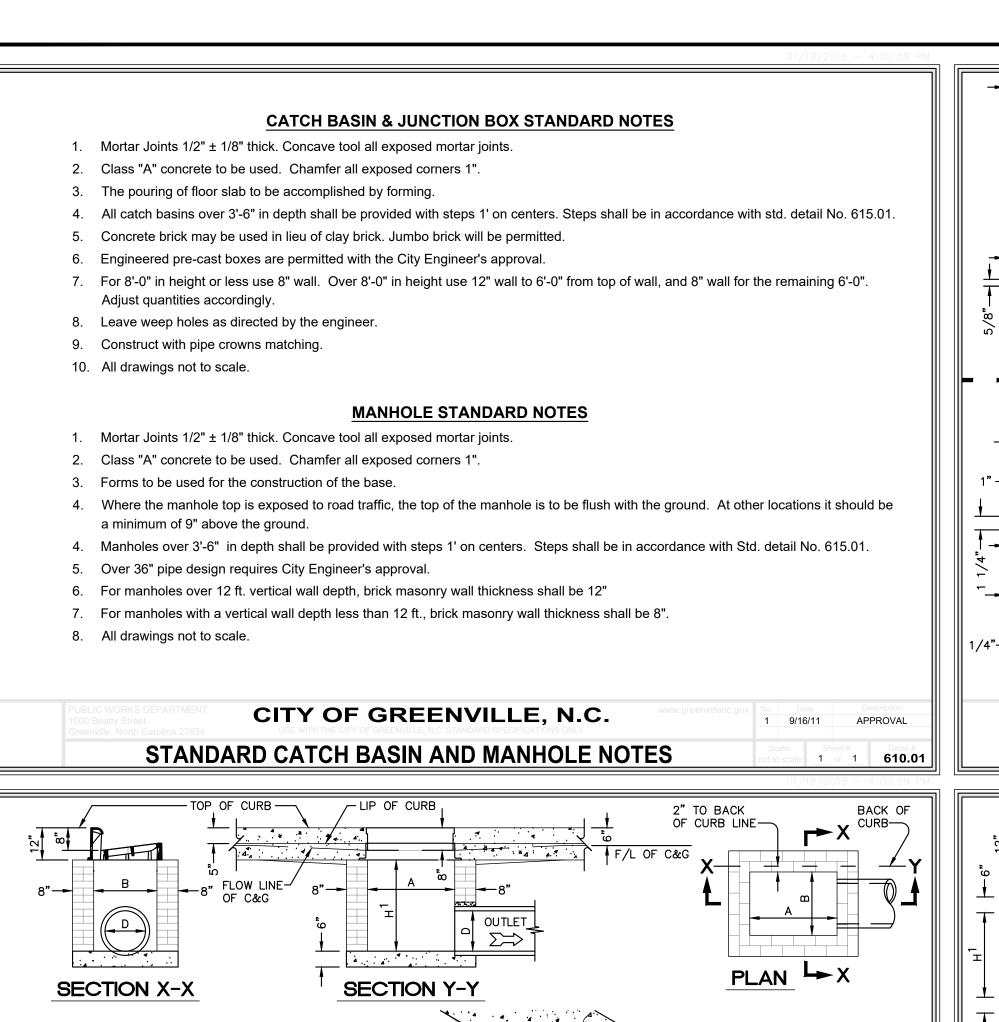
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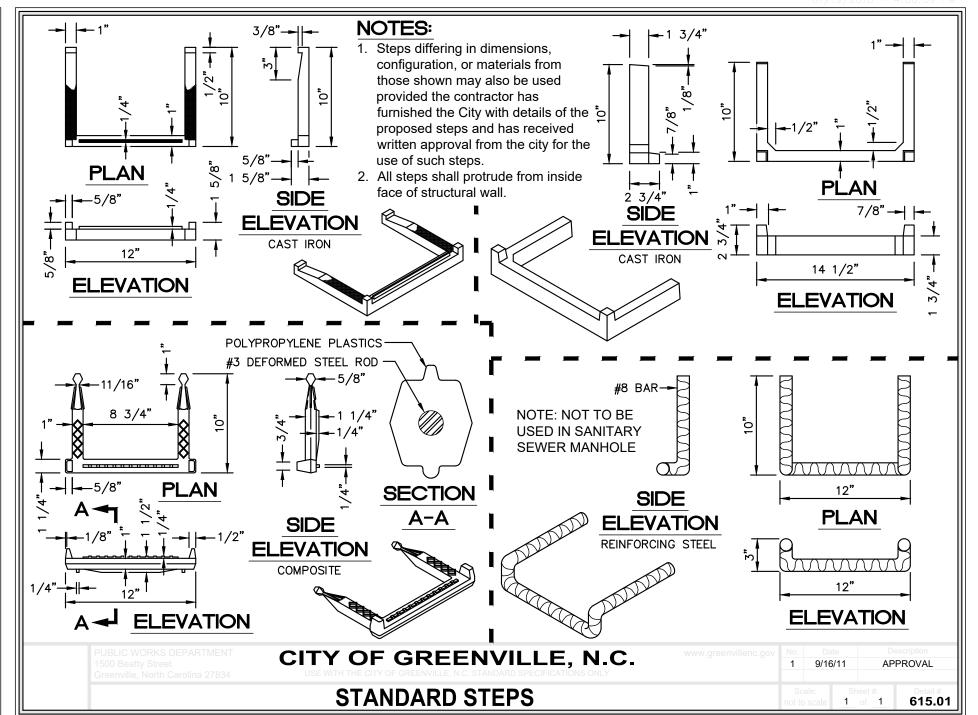
Project Manager:	STA
Drawn By:	EW
Checked By:	ВТС
Project Number:	17042
Drawing Number:	D-1129

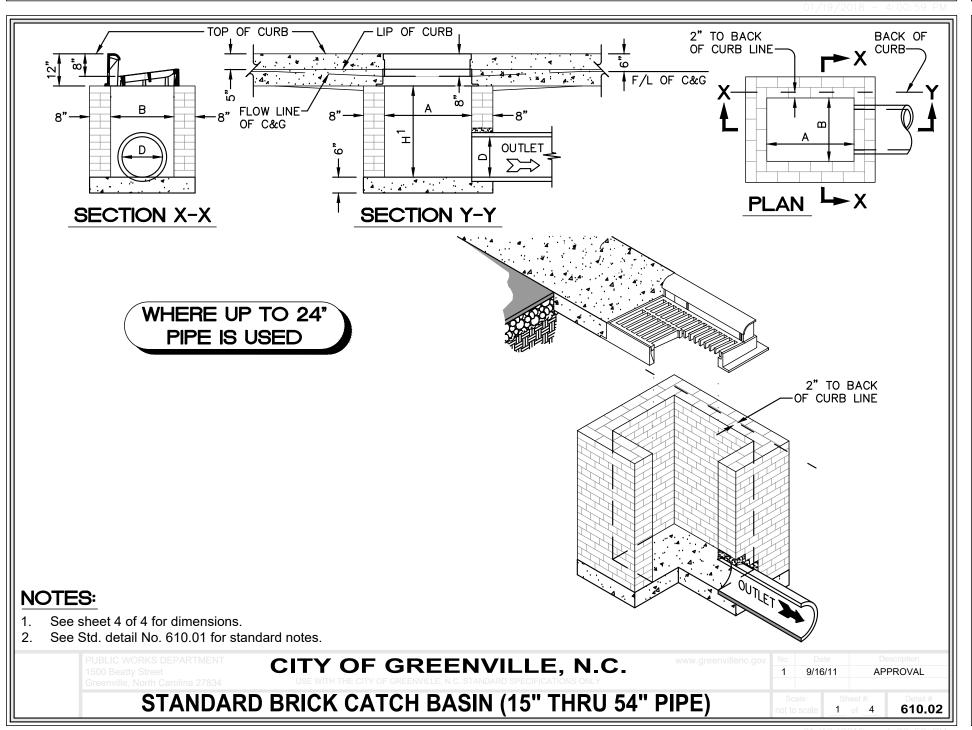
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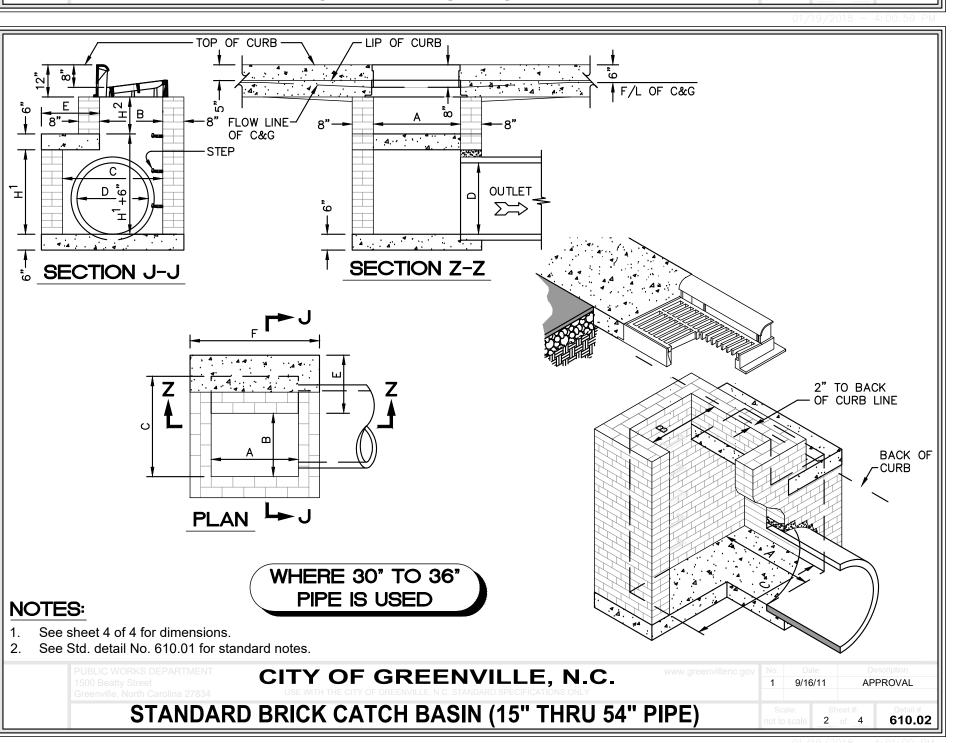
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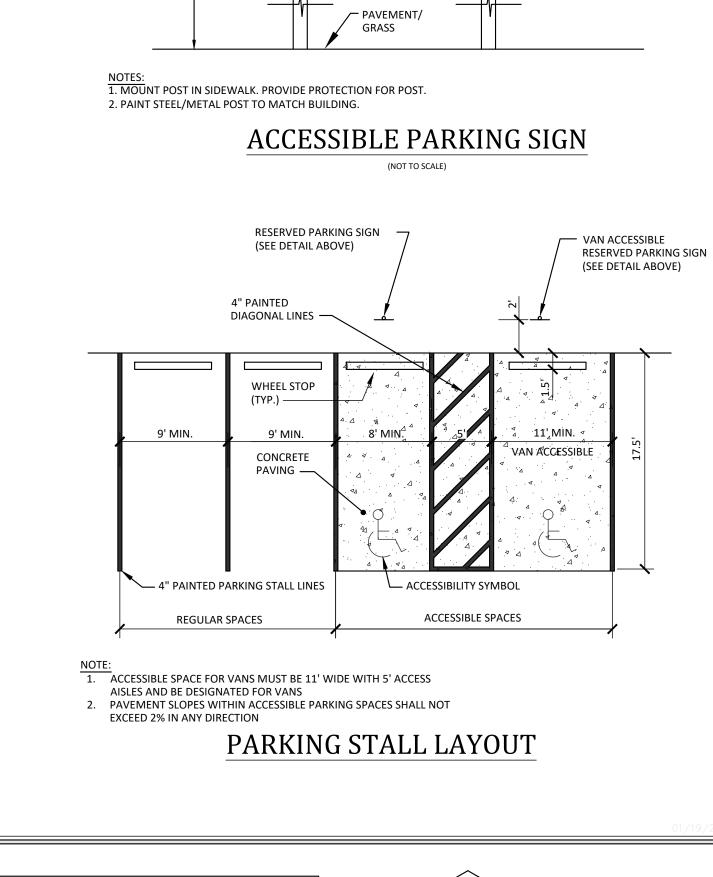
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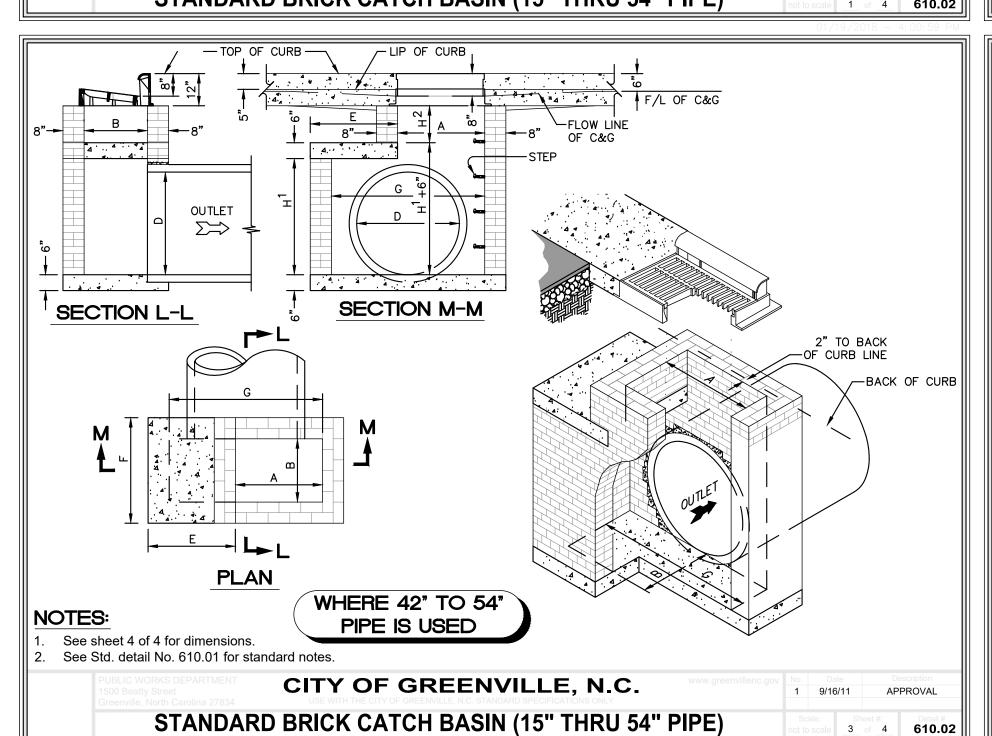


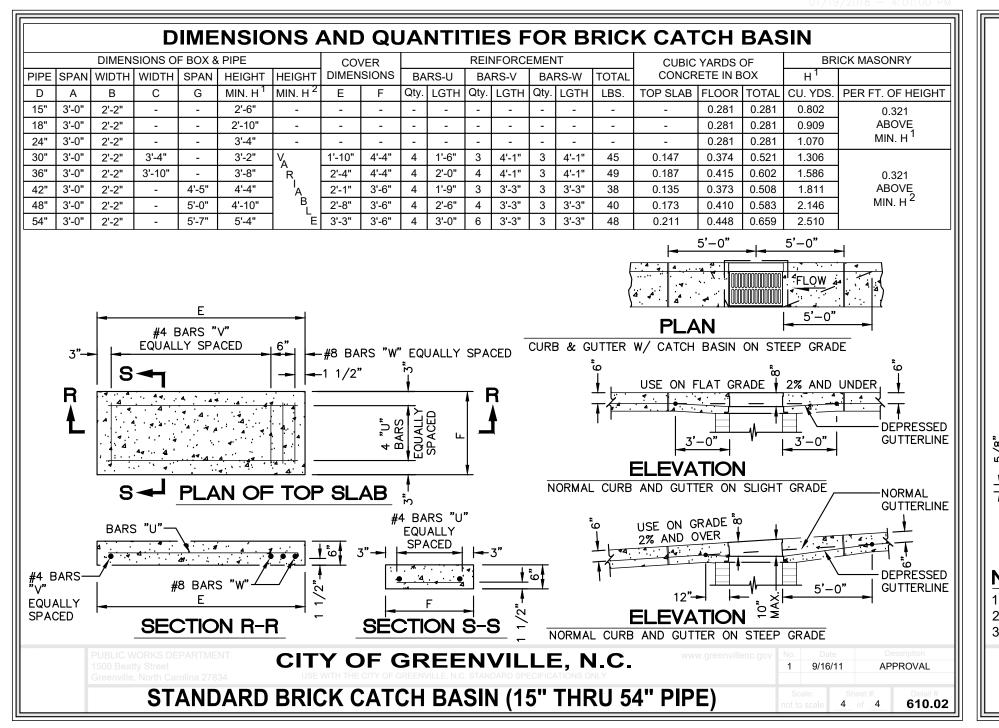


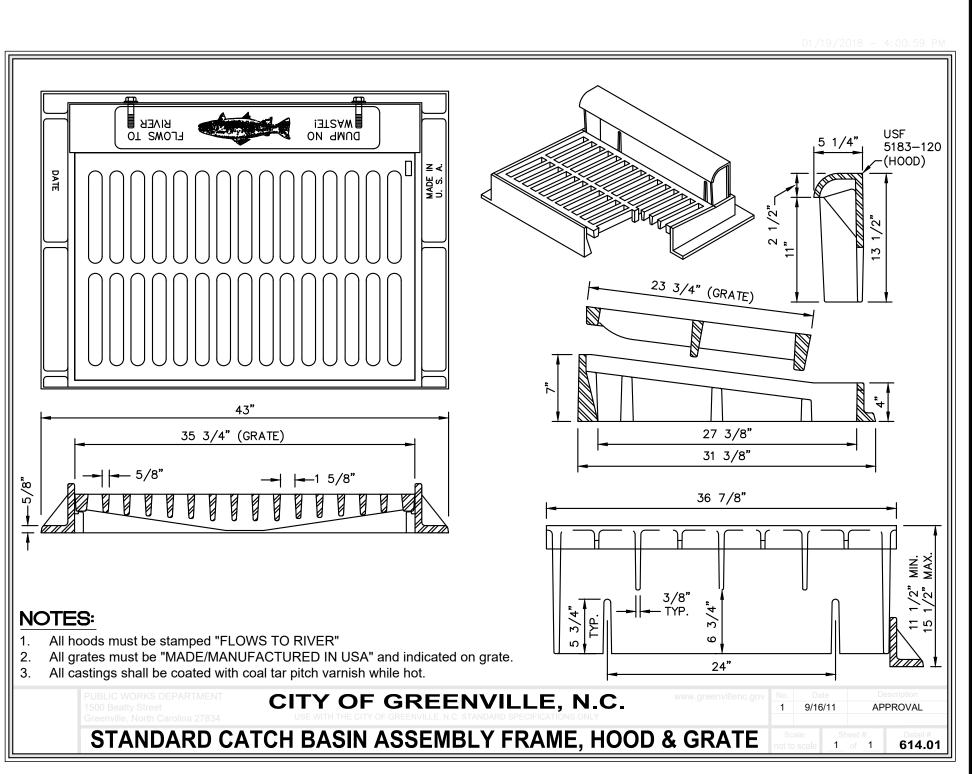


NOTE: SIGN TO MEET ALL STATE,

LOCAL AND ADA







REVISIONS:

VAN ACCESSIBLE SIGN

PAINT (OWNER TO SELECT COLOR)

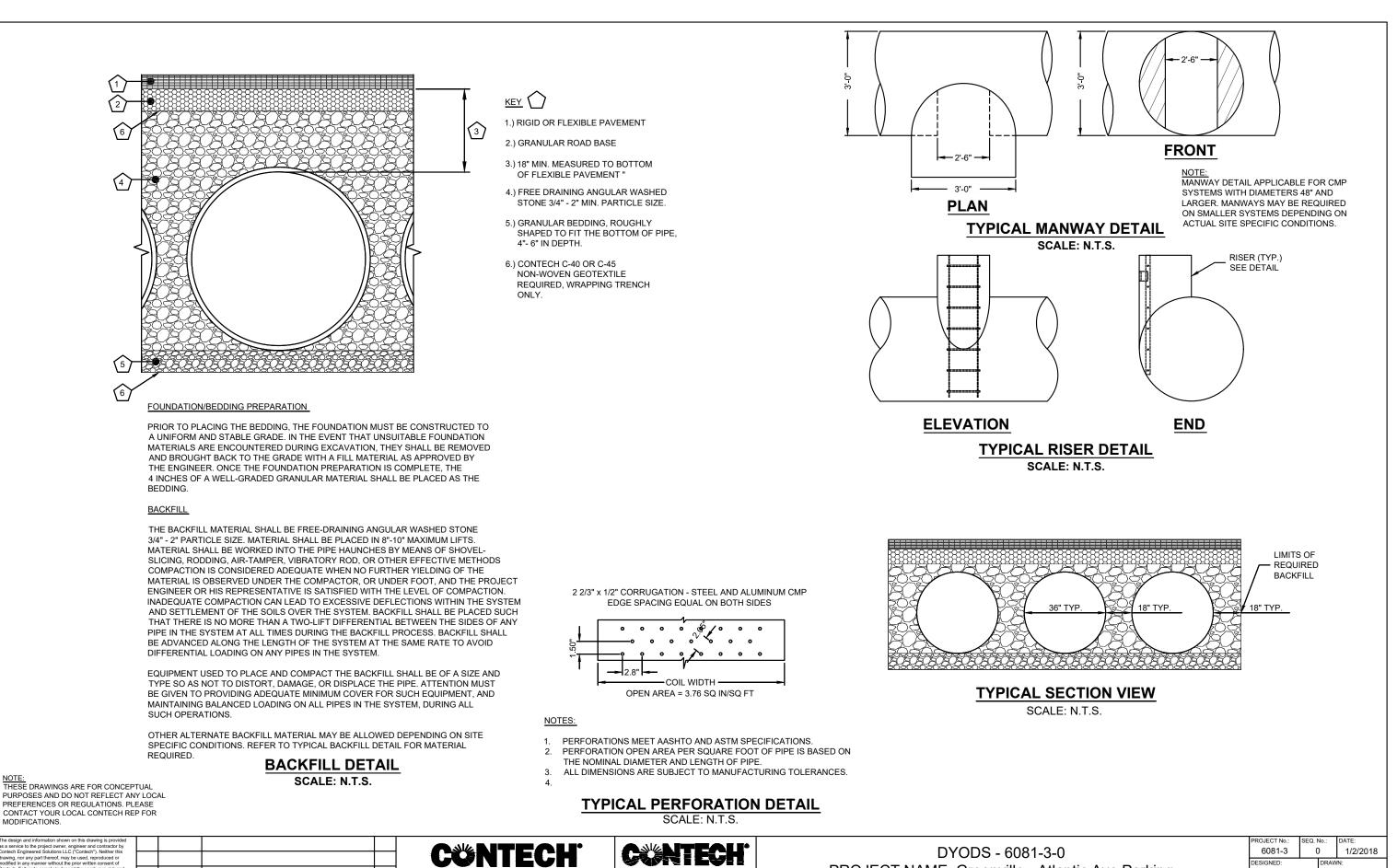
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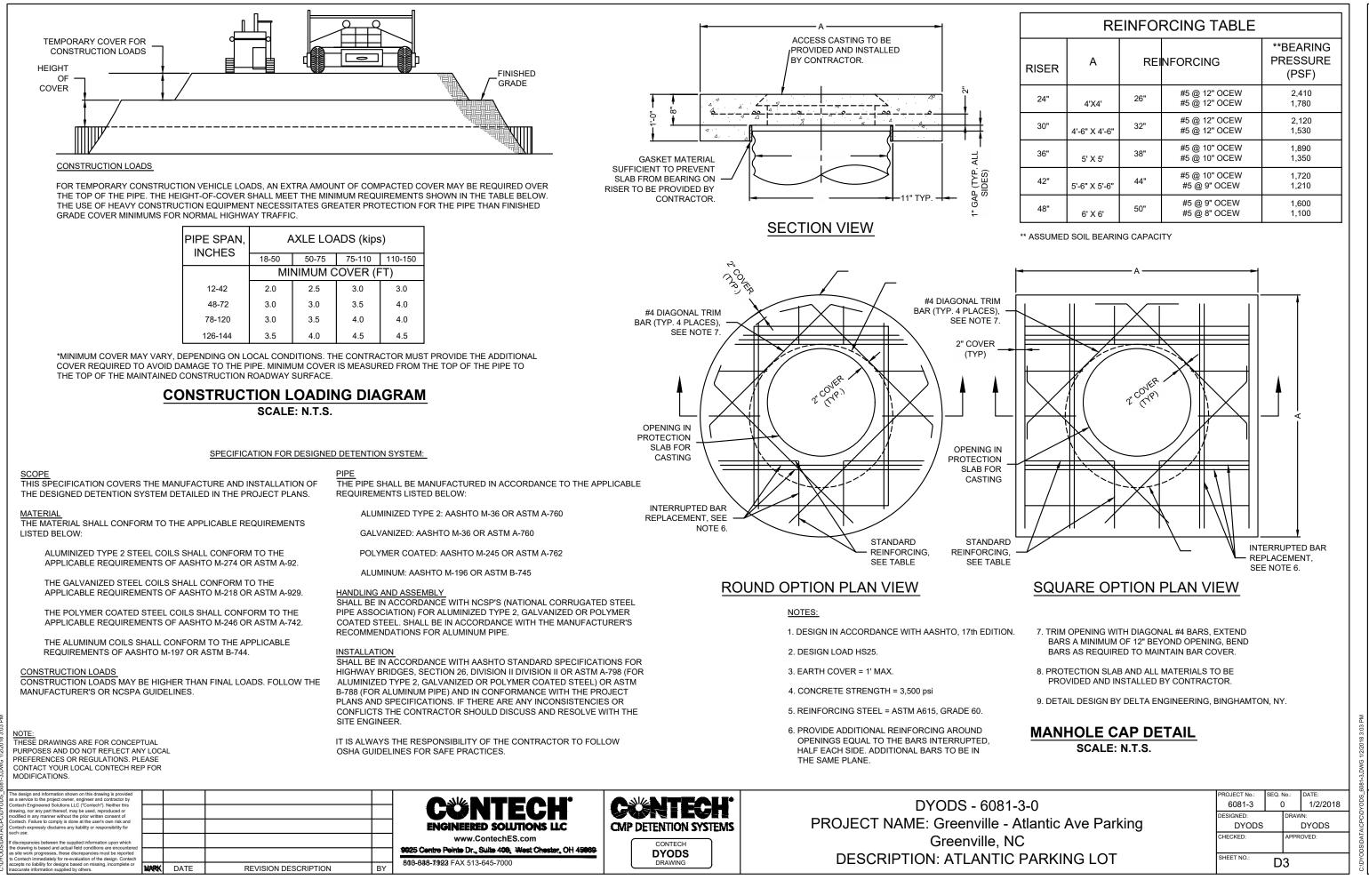
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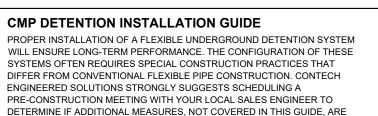
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CMP DETENTION SYSTEMS

DYODS





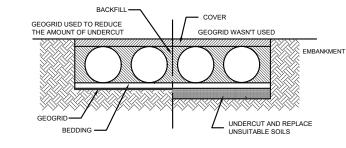
REVISION DESCRIPTION

FOUNDATION

APPROPRIATE FOR YOUR SITE.

CONSTRUCT A FOUNDATION THAT CAN SUPPORT THE DESIGN LOADING APPLIED BY THE PIPE AND ADJACENT BACKFILL WEIGHT AS WELL AS MAINTAIN ITS INTEGRITY DURING CONSTRUCTION. IF SOFT OR UNSUITABLE SOILS ARE ENCOUNTERED, REMOVE THE POOR

SOILS DOWN TO A SUITABLE DEPTH AND THEN BUILD UP TO THE APPROPRIATE ELEVATION WITH A COMPETENT BACKFILL MATERIAL. THE STRUCTURAL FILL MATERIAL GRADATION SHOULD NOT ALLOW THE MIGRATION OF FINES, WHICH CAN CAUSE SETTLEMENT OF THE DETENTION SYSTEM OR PAVEMENT ABOVE. IF THE STRUCTURAL FILL MATERIAL IS NOT COMPATIBLE WITH THE UNDERLYING SOILS AN ENGINEERING FABRIC SHOULD BE USED AS A SEPARATOR. IN SOME CASES, USING A STIFF REINFORCING GEOGRID REDUCES OVER EXCAVATION AND REPLACEMENT FILL QUANTITIES.

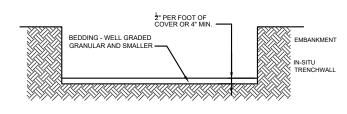


GRADE THE FOUNDATION SUBGRADE TO A UNIFORM OR SLIGHTLY SLOPING GRADE, IF THE SUBGRADE IS CLAY OR RELATIVELY NON-POROUS AND THE CONSTRUCTION SEQUENCE WILL LAST FOR AN EXTENDED PERIOD OF TIME IT IS BEST TO SLOPE THE GRADE TO ONE END OF THE SYSTEM. THIS WILL ALLOW EXCESS WATER TO DRAIN QUICKLY, PREVENTING SATURATION OF THE SUBGRADE.

A 4 TO 6-INCH THICK, WELL-GRADED, GRANULAR MATERIAL IS THE PREFERRED PIPE BEDDING. IF CONSTRUCTION EQUIPMENT WILL OPERATE FOR AN EXTENDED PERIOD OF TIME ON THE BEDDING, USE EITHER AN ENGINEERING FABRIC OR A STIFF GEOGRID TO ENSURE THE BASE MATERIAL MAINTAINS ITS INTEGRITY

USING AN OPEN-GRADED BEDDING MATERIAL IS ACCEPTABLE; HOWEVER,

AN ENGINEERING FABRIC SEPARATOR IS REQUIRED BETWEEN THE BASE AND THE SUBGRADE. GRADE THE BASE TO A SMOOTH, UNIFORM GRADE TO ALLOW FOR THE PROPER PLACEMENT OF THE PIPE.



IN-SITU TRENCH WALL IF EXCAVATION IS REQUIRED, THE TRENCH WALL NEEDS TO BE CAPABLE OF SUPPORTING THE LOAD THAT THE PIPE SHEDS AS THE SYSTEM IS LOADED. IF SOILS ARE NOT CAPABLE OF SUPPORTING THESE LOADS, THE PIPE CAN DEFLECT. PERFORM A SIMPLE SOIL PRESSURE CHECK USING THE APPLIED LOADS TO DETERMINE THE LIMITS OF EXCAVATION BEYOND THE SPRING LINE OF THE OUTER MOST PIPES

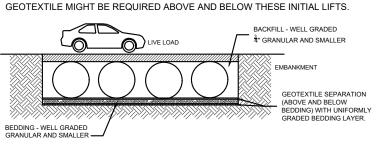
www.ContechES.com

925 Centre Pointe Dr., Suite 409, West Chester, OH 45969

IN MOST CASES THE REQUIREMENTS FOR A SAFE WORK ENVIRONMENT AND PROPER BACKFILL PLACEMENT AND COMPACTION TAKE CARE OF THIS CONCERN.

BACKFILL MATERIAL

TYPICALLY, THE BEST BACKFILL MATERIAL IS AN ANGULAR, WELL-GRADED GRANULAR FILL MEETING THE REQUIREMENTS OF AASHTO A-1, A-2 OR A-3. IN SOME CASES, IT MAY BE DESIRABLE TO USE A UNIFORMLY GRADED MATERIAL FOR THE FIRST 18- TO 24-INCHES. THIS TYPE OF MATERIAL IS EASIER TO PLACE UNDER THE HAUNCHES OF THE PIPE AND REQUIRES LITTLE COMPACTIVE EFFORT. DEPENDING ON THE BEDDING MATERIAL, A SEPARATION



OPEN-GRADED FILL IS TYPICALLY NOT USED BEYOND THE INITIAL 18- TO 24-INCHES BECAUSE THIS TYPE OF FILL OFTEN DOES NOT PROVIDE ADEQUATE CONFINING RESTRAINT TO THE PIPES. IF A UNIFORMLY GRADED MATERIAL (PARTICLES ALL ONE SIZE) IS USED, INSTALL A GEOTEXTILE SEPARATION FABRIC TO PREVENT THE MIGRATION OF FINES INTO THE BACKFILL.

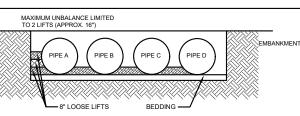
PLACEMENT AND ADEQUATE COMPACTION OF THE BACKFILL. WORK CLOSELY WITH THE LOCAL CONTECH SALES ENGINEER REGARDING THE SPECIAL INSTALLATION TECHNIQUES REQUIRED WHEN USING CLSM.

BACKFILL PLACEMENT

PLACE BACKFILL IN 8-INCH LOOSE LIFTS AND COMPACT TO 90% AASHTO T99 STANDARD PROCTOR DENSITY. MATERIAL SHALL BE WORKED INTO THE PIPE HAUNCHES BY MEANS OF SHOVEL-SLICING, RODDING, AIR TAMPER, VIBRATORY ROD. OR OTHER EFFECTIVE METHODS.

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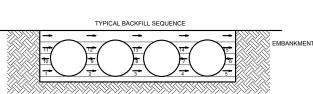


IF AASHTO T99 PROCEDURES ARE DETERMINED INFEASIBLE BY THE

FOR LARGE SYSTEMS, CONVEYOR SYSTEMS, BACKHOES WITH LONG

GEOTECHNICAL ENGINEER OF RECORD, COMPACTION IS CONSIDERED ADEQUATE WHEN NO FURTHER YIELDING OF THE MATERIAL IS OBSERVED UNDER THE COMPACTOR, OR UNDER FOOT, AND THE GEOTECHNICAL ENGINEER OF RECORD (OR REPRESENTATIVE THEREOF) IS SATISFIED WITH THE LEVEL OF COMPACTION.

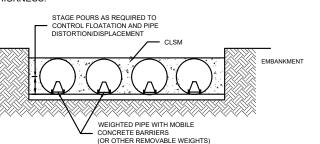
REACHES OR DRAGLINES WITH STONE BUCKETS MAY BE USED TO PLACE BACKFILL, ONCE MINIMUM COVER FOR CONSTRUCTION LOADING ACROSS THE ENTIRE WIDTH OF THE SYSTEM IS REACHED. ADVANCE THE EQUIPMENT TO THE END OF THE RECENTLY PLACED FILL. AND BEGIN THE SEQUENCE AGAIN LINTIL THE SYSTEM IS COMPLETELY BACKELLED. THIS TYPE OF CONSTRUCTION SEQUENCE PROVIDES ROOM FOR STOCKPILED BACKELL DIRECTLY BEHIND THE BACKHOE, AS WELL AS THE MOVEMENT OF CONSTRUCTION TRAFFIC. MATERIAL STOCKPILES ON TOP OF THE BACKFILLED DETENTION SYSTEM SHOULD BE LIMITED TO 8- TO 10-FEET HIGH AND MUST PROVIDE BALANCED LOADING ACROSS ALL BARRELS. TO DETERMINE THE PROPER COVER OVER THE PIPES TO ALLOW THE MOVEMENT OF CONSTRUCTION EQUIPMENT SEE TABLE 1, OR CONTACT



YOUR LOCAL CONTECH SALES ENGINEER.

WHEN FLOWABLE FILL IS USED. YOU MUST PREVENT PIPE FLOATATION. TYPICALLY. SMALL LIFTS ARE PLACED BETWEEN THE PIPES AND THEN ALLOWED TO SET-UP PRIOR TO THE PLACEMENT OF THE NEXT LIFT. THE ALLOWABLE THICKNESS OF THE CLSM LIFT IS A FUNCTION OF A PROPER BALANCE BETWEEN THE UPLIFT FORCE OF THE CLSM. THE OPPOSING WEIGHT OF THE PIPE, AND THE EFFECT OF OTHER RESTRAINING MEASURES. ACCUMULATED SEDIMENT AND TRASH CAN TYPICALLY BE EVACUATED THE PIPE CAN CARRY LIMITED FLUID PRESSURE WITHOUT PIPE DISTORTION

THROUGH THE MANHOLE OVER THE OUTLET ORIFICE. IF MAINTENANCE IS NOT OR DISPLACEMENT, WHICH ALSO AFFECTS THE CLSM LIFT THICKNESS. YOUR PERFORMED AS RECOMMENDED, SEDIMENT AND TRASH MAY ACCUMULATE IN LOCAL CONTECH SALES ENGINEER CAN HELP DETERMINE THE PROPER LIFT FRONT OF THE OUTLET ORIFICE. MANHOLE COVERS SHOULD BE SECURELY



DYODS - 6081-3-0

Greenville, NC

DESCRIPTION: ATLANTIC PARKING LOT

CONSTRUCTION LOADING

TYPICALLY, THE MINIMUM COVER SPECIFIED FOR A PROJECT ASSUMES H-20. LIVE LOAD. BECAUSE CONSTRUCTION LOADS OFTEN EXCEED DESIGN LIVE LOADS, INCREASED TEMPORARY MINIMUM COVER REQUIREMENTS ARE NECESSARY. SINCE CONSTRUCTION EQUIPMENT VARIES FROM JOB TO JOB, IT IS BEST TO ADDRESS EQUIPMENT SPECIFIC MINIMUM COVER REQUIREMENTS WITH YOUR LOCAL CONTECH SALES ENGINEER DURING YOUR PRE-CONSTRUCTION MEETING.

CMP DETENTION SYSTEMS

DYODS

ADDITIONAL CONSIDERATIONS

PROJECT NAME: Greenville - Atlantic Ave Parking

Greenville, NC

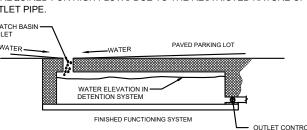
DESCRIPTION: ATLANTIC PARKING LOT

BECAUSE MOST SYSTEMS ARE CONSTRUCTED BELOW-GRADE, RAINFALL CAN RAPIDLY FILL THE EXCAVATION; POTENTIALLY CAUSING FLOATATION AND MOVEMENT OF THE PREVIOUSLY PLACED PIPES. TO HELP MITIGATE POTENTIAL PROBLEMS, IT IS BEST TO START THE INSTALLATION AT THE DOWNSTREAM END WITH THE OUTLET ALREADY CONSTRUCTED TO ALLOW A ROUTE FOR THE WATER TO ESCAPE. TEMPORARY DIVERSION MEASURES MAY BE REQUIRED FOR HIGH FLOWS DUE TO THE RESTRICTED NATURE OF

DYODS

D2

DYODS



CMP DETENTION SYSTEM INSPECTION AND

MAINTENANCE UNDERGROUND STORMWATER DETENTION AND INFILTRATION SYSTEMS MUST BE INSPECTED AND MAINTAINED AT REGULAR INTERVALS FOR PURPOSES OF PERFORMANCE AND LONGEVITY.

INSPECTION IS THE KEY TO EFFECTIVE MAINTENANCE OF CMP DETENTION SYSTEMS AND IS EASILY PERFORMED. CONTECH RECOMMENDS ONGOING, QUARTERLY INSPECTIONS. THE RATE AT WHICH THE SYSTEM COLLECTS

MAINTAINED FOR THE LIFE OF THE SYSTEM

THE SIZE OR CONFIGURATION OF THE SYSTEM. INSPECTIONS SHOULD BE PERFORMED MORE OFTEN IN EQUIPMENT WASHDOWN AREAS, IN CLIMATES WHERE SANDING AND/OR SALTING OPERATIONS TAKE PLACE, AND IN OTHER VARIOUS INSTANCES IN WHICH ONE WOULD EXPECT HIGHER ACCUMULATIONS OF SEDIMENT OR ABRASIVE/

POLLUTANTS WILL DEPEND MORE ON SITE SPECIFIC ACTIVITIES RATHER THAN

MAINTENANCE CMP DETENTION SYSTEMS SHOULD BE CLEANED WHEN AN INSPECTION

CORROSIVE CONDITIONS. A RECORD OF EACH INSPECTION IS TO BE

REVEALS ACCUMULATED SEDIMENT OR TRASH IS CLOGGING THE DISCHARGE

SEATED FOLLOWING CLEANING ACTIVITIES. CONTECH SUGGESTS THAT ALL SYSTEMS BE DESIGNED WITH AN ACCESS/INSPECTION MANHOLE SITUATED AT OR NEAR THE INLET AND THE OUTLET ORIFICE. SHOULD IT BE NECESSARY TO GET INSIDE THE SYSTEM TO PERFORM MAINTENANCE ACTIVITIES. ALL APPROPRIATE PRECAUTIONS REGARDING CONFINED SPACE ENTRY AND OSHA REGULATIONS SHOULD BE FOLLOWED.

SOON AFTER THE SPRING THAW, AND AFTER ANY ADDITIONAL USE OF SALTING AGENTS. AS PART OF THE MAINTENANCE PROGRAM FOR ALL SYSTEMS WHERE SALTING AGENTS MAY ACCUMULATE INSIDE THE PIPE. MAINTAINING AN UNDERGROUND DETENTION OR INFILTRATION SYSTEM IS

SYSTEMS ARE TO BE RINSED, INCLUDING ABOVE THE SPRING LINE, ANNUALLY

EASIEST WHEN THERE IS NO FLOW ENTERING THE SYSTEM. FOR THIS REASON, IT IS A GOOD IDEA TO SCHEDULE THE CLEANOUT DURING DRY

THE FOREGOING INSPECTION AND MAINTENANCE EFFORTS HELP ENSURE UNDERGROUND PIPE SYSTEMS USED FOR STORMWATER STORAGE CONTINUE TO FUNCTION AS INTENDED BY IDENTIFYING RECOMMENDED REGULAR INSPECTION AND MAINTENANCE PRACTICES. INSPECTION AND MAINTENANCE RELATED TO THE STRUCTURAL INTEGRITY OF THE PIPE OR THE SOUNDNESS OF PIPE JOINT CONNECTIONS IS BEYOND THE SCOPE OF THIS GUIDE.



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