

<u>Permanent Seeding</u> <u>Temporary Seeding</u> Specifications #6.11 — Specifications (Specifictions are as per the "Erosion and Sediment Control Planning and Design Manual" of the state of | North Carolina) Table 6.10a — Temporary Seeding Recommendations Table 6.11p - Seeding No. 1CP for: Well-to Poorly Drained soils with Good Moisture Retention; Low Maintenance Seeding Mixture Seeding mixture Species Species Rate (lb/acre) Rye (grain) Tall fescue Annual lespedeza (Kobe in Pensacola Bahiagrass Piedmont and Coastal Plain, Sericea lespedeza Korean in Mountains) Kobe lespedeza Omit annual lespedeza when duration of temporary cover is not to extend beyond June. Seeding Notes 1. From Sept. 1 — Mar. 1, use unscarified sericea seed 2. On poorly drained sites omit sericea and increase Kobe to 30 lb/acre. Mountains - Above 2500 ft: Feb. 15-May 15 3. Where a neat appearance is desired, omit sericea and increase Kobe to 40 lb/acre. Piedmont — Jan. 1—May 1 Coastal Plain — Dec. 1—Apr. 15 Between Apr. 15 & Aug. 15, add 10 lb/acre German millet or 15 lb/acre Sudangrass. Prior to May 1 or after Aug. 15, add 25 lb/acre rye (grain). lb/acre 10-10-10 fertilizer. Seeding dates blades set nearly straight can be used as a mulch anchoring tool. Early spring: Feb. 15 - Mar. 20 Feb. 15 - Apr. 30 Sept. 1 — Sept. 30 Sept. 1 - Oct. 31 | Soil amendments — Apply lime and fertilizer according to soil tests, or apply 3,000-5,000 lb/acre ground Table 6.10b Temporary seeding Recommendations for Summer agricultural limestone (use the lower rate on sandy soils) and 1,000 lb/acre 10-10-10 fertilizer. Seeding mixture Mulch — Apply 4,000 lb/acre grain straw or equivalent cover of another suitable mulch. Anchor straw by Species tacking with asphalt, netting, or roving or by crimping with a mulch anchoring tool. A disk with blades set German millet nearly straight can be used as a mulch anchoring tool. Maintenance — If growth is less than fully adequate, refertilize in the second year, according to soil tests or In the Piedmont and Mountains, a small—stemmed Sudangrass may be substituted at a rate of 50 lb/acre. topdress with 500 lb/acre 10-10-10 fertilizer. Mow as needed when sericea is omitted from the mixture. Reseed, fertilize, and mulch damaged areas immediately. Seeding dates Mountains - May 15-Aug. 15 Table 6.11q - Seeding No. 2CP for: Well-to Poorly Drained soils with Good Moisture Retention; High Piedmont — May 1—Aug. 15 Coastal Plain — Apr. 15—Aug. 15 | Maintenance Seeding mixture Species Rate (lb/acre) Tall fescue (blend of two or lb/acre 10-10-10 fertilizer. 200 three improved varieties) Rye (grain) blades set nearly straight can be used as a mulch anchoring tool. Seeding dates Best: Sept. 15 — Oct. 15 Possible: Sept. 1 - Oct. 31 or Feb. 15 - Apr. 30 Table 6.10c Temporary Seeding Recommendations for Fall Seeding mixture | Soil amendments — Apply lime and fertilizer according to soil tests, or apply 3,000—5,000 lb/acre ground Species agricultural limestone (use the lower rate on sandy soils) and 1,000 lb/acre 10-10-10 fertilizer. Rye (grain) Mulch - Apply 4,000 lb/acre grain straw or equivalent cover of another suitable mulch. Anchor straw by tacking with asphalt, netting, or roving or by crimping with a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool. Mountions - Aug. 15-Dec. 30 | Maintenance — Fertilize according to soil tests or apply 40 lb/acre nitrogen in Jan. or Feb., 40 lb in Sept., Coastal Plain and Piedmont — Aug. 15—Dec. 30 and 40 lb in Nov., from a 12-4-8, 16-4-8, or similar turf fertilizer. Avoid fertilizer applications during warm weather, as this inceases stand losses to disease. Reseed, fertilize, and mulch damaged areas immediately. Mow to a height of 2.5-3.5 inches as needed. fertilizer. Table 6.11r - Seeding No. 3CP for: Dry Sands to Sandy Loams; blades set nearly straight can be used as a mulch anchoring tool. High Maintenance, Fine Turf Seeding mixture Rate (bu/1,000 ft^2) Species (Mountains) lespedeza in late February or early March. Tifway or Tifway II Minimum: 3 hybrid Bermudagrass Rapid cover: 10 Seeding Notes 1. Sprig or sod (Practice 6.12, Sodding). Moisture is essential during initial establishment. Sod must be kept well watered for 2-3 weeks, but can be planted earlier or later than sprigs. 2. Common Bermuda can be seeded or sprigged but does not produce a high-quality turf. It is also less cold tolerant than the hybrids, more weed prone, and a pest in flower beds and specimen plantings. Planting dates l Apr. – July Soil amendments — Apply lime and fertilizer according to soil tests, or apply 3,000 lb/acre ground agricultural limestone and 500 lb/acre 10-10-10 fertilizer, or 50 lb/acre nitrogen from turf-type slow-release fertilizer. Add 25-50 lb/acre nitrogen at 2- to 3-week intervals through midsummer. Sprigging — Plant sprigs in furrows with a tractor—drawn transplanter, or broadcast by hand. Furrows should be 4-6 inches deep and 2 ft apart. Place sprigs about 2 ft apart in the row with one end at or above ground level (Figure 6.11d). Broadcast at rates shown above, and press sprigs into the top 1/2-2 inches of soil with a disk set straight so that sprigs are not brought back toward the surface. Maintenance — Water as needed and mow to 3/4— to 1—inch height. Topdress with 40 lb/acre nitrogen in Apr., 50 lb in May, 50 lb in June, 30 lb in July, and 25-50 lb in Aug. Table 6.11s — Seeding No. 4CP for: Well—Drained Sandy Loams to Dry Sands, Coastal Plain and Eastern Edge of Piedmont; Low-to Medium-Care Lawns Seeding mixture Species Centipedegrass 10-20 lb/acre (seed) or 33 bu/acre (sprigs) Seeding dates lMar. — June (Sprigging can be done through July where water is available for irrigation.) Soil amendments — Apply lime and fertilizer according to soil tests, or apply 300 lb/acre 10-10-10. Sprigging — Plant sprigs in furrows with a tractor—drawn transplanter, or broadcast by hand. Furrows should be 4-6 in ches deep and 2 ft apart. Place sprigs about 2 ft apart in the row with one end at or above ground level (Figure 6.11d) Broadcast at rates shwon above, and press sprigs into the top 1/2-2 inches of soil with a disk set straight so that sprigs are not brought back toward the surface. |Mulch - Do not mulch. Maintenance — Fertilize very sparingly — 20 lb/acre nitrogen in spring with no phosphorus. Centipedegrass cannot tolerate high pH or excess fertilizer. Table 6.11t - Seeding No. 5CP for: Well-Drained Sandy Loams to Dry Sands; Low Maintenance Seeding mixture Species Rate (lb/acre) Pensacola Bahiagrass Sericea lespedeza Common Bermudagrass German millet . Where a neat appearance is desired, omit sericea. 2. Use common Bermuda only on isolated sites where it cannot become a pest. Bermudagrass may be 1. UNIFORMLY GRADE A SHALLOW DEPRESSION APPROACHING THE INLET. replaced with 5 lb/acre centipedegrass. 2. DRIVE 5-FOOT STEEL POSTS 2 FEET INTO THE GROUND SURROUNDING Seeding dates Apr. 1 – July 15 3. SURROUND THE POSTS WITH WIRE MESH HARDWARE CLOTH. SECURE Soil amendments — Apply lime and fertilizer according to soil tests, or apply 3,000 lb/acre ground agricultural limestone and 500 lb/acre 10-10-10 fertilizer. Mulch — Apply 4,000 lb/acre grain straw or equivalent cover of another suitable mulch. Anchor by tacking with asphalt, roving, or netting or by crimping with a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch ancoring tool. Maintenance — Refertilize the following Apr. with 50 lb/acre nitrogen. Repeat as growth requires. May be mowed only once a year. Where a neat appearance is desired, omit sericea and mow as often as need. Table 6.11v — Seeding No. 7CP for: Grass-lined Channels; Coastal Plain, Lower Piedmont, and Dry Soils in the Central Piedmont Seeding mixture Species Common Bermudagrass 40-80 (1-2 lb/1,000 ft^2) Coastal Plain: Apr. — July Piedmont: Apr. 15 - June 30 | Soil amendments — Apply lime and fertilizer according to soil tests, or apply 3,000 lb/acre ground agricultural limestone and 500 lb/acre 10—10—10 fertilizer. Mulch — Use jute, excelsior matting, or other effective channel lining material to cover the bottom of channels and ditches. The lining should extend above the highest calculated depth of flow. On channel side slopes above this height, and in drainages not requiring temporary linings, apply 4,000 lb/acre grain straw and anchor straw by stapling netting over the top. Mulch and anchoring materials must not be allowed to wash down slopes where they can clog drainage | Maintenance — A minimum of 3 weeks is required for establishment. Inspect and repair mulch frequently. Refertilize the following Apr. with 50 lb/acre nitrogen. Refer to Appendix 8.02 for botanical names.

for Late Winter and Early Spring

Below 2500 ft: Feb. 1-May 1

Rate (lb/acre)

Rate (lb/acre)

Rate (lb/acre)

GROUND STABILIZATION

STABILIZATION TIME

FRAME EXCEPTIONS

NONE

NONE

F SLOPES ARE 10 FEET OF

LESS IN LENGTH AND ARE

NOT STEEPER THAN 2:1,

14 DAYS ARE ALLOWED

7 DAYS FOR SLOPES

GREATER THAN 50 FEET

IN LENGTH

NONE (EXCEPT FOR

-19-GAUGE

HARDWARE CLOTH

(1/4 MESH OPENINGS)

GROUND LINE-

GUIDELINES FOR TEMPORARY SILT FENCE DETAIL

NOT TO SCALE

ANCHOR FILTER FABRIC SKIRT AS DIRECTED BY THE ENGINEER

1. FILTER FABRIC SHALL BE A MINIMUM OF

36" IN WIDTH AND SHALL BE FASTENED ADEQUATELY TO THE WIRE AS DIRECTED BY THE ENGINEER

2. STEEL POST SHALL BE 5'0" IN HEIGHT

AND BE OF SELF FASTENER ANGLE STEEL TYPE

PERIMETERS AND HQW

STABILIZATION

TIME FRAME

7 DAYS

7 DAYS

7 DAYS

14 DAYS

*NEW HANOVER COUNTY LAND QUALITY SEEDING DEADLINES: 21

CALENDAR DAYS FOR ALL SLOPES & 15 WORKING DAYS FOR ALL

**THE SHORTER STABILIZATION TIME FRAME BETWEEN THE ABOVE CHART AND THE NEW HANOVER COUNTY LAND QUALITY SEEDING

DEADLINES, FOR THE RESPECTIVE AREAS, SHALL BE FOLLOWED.

-NCDOT #5 OR #57

THE INLET. SPACE POSTS EVENLY AROUND THE PERIMETER OF THE

HARDWARE CLOTH & GRAVEL

INLET PROTECTION DETAIL

FILTER FABRIC

THE WIRE MESH TO THE STEEL POSTS AT THE TOP, MIDDLE, AND

BOTTOM. PLACING A 2-FOOT FLAP OF THE WIRE MESH UNDER

NOT TO SCALE

WASHED STONE

INLET, A MAXIMUM OF 4 FEET APART.

THE GRAVEL FOR ANCHORING IS RECOMMENDED.

SITE AREA

DESCRIPTION

PERIMETER DIKES

SWALES, DITCHES

AND SLOPES

HIGH QUALITY

WATER (HQW)

ZONÈS

SLOPES STEEPER

SLOPES 3:1 OR

FLATTER

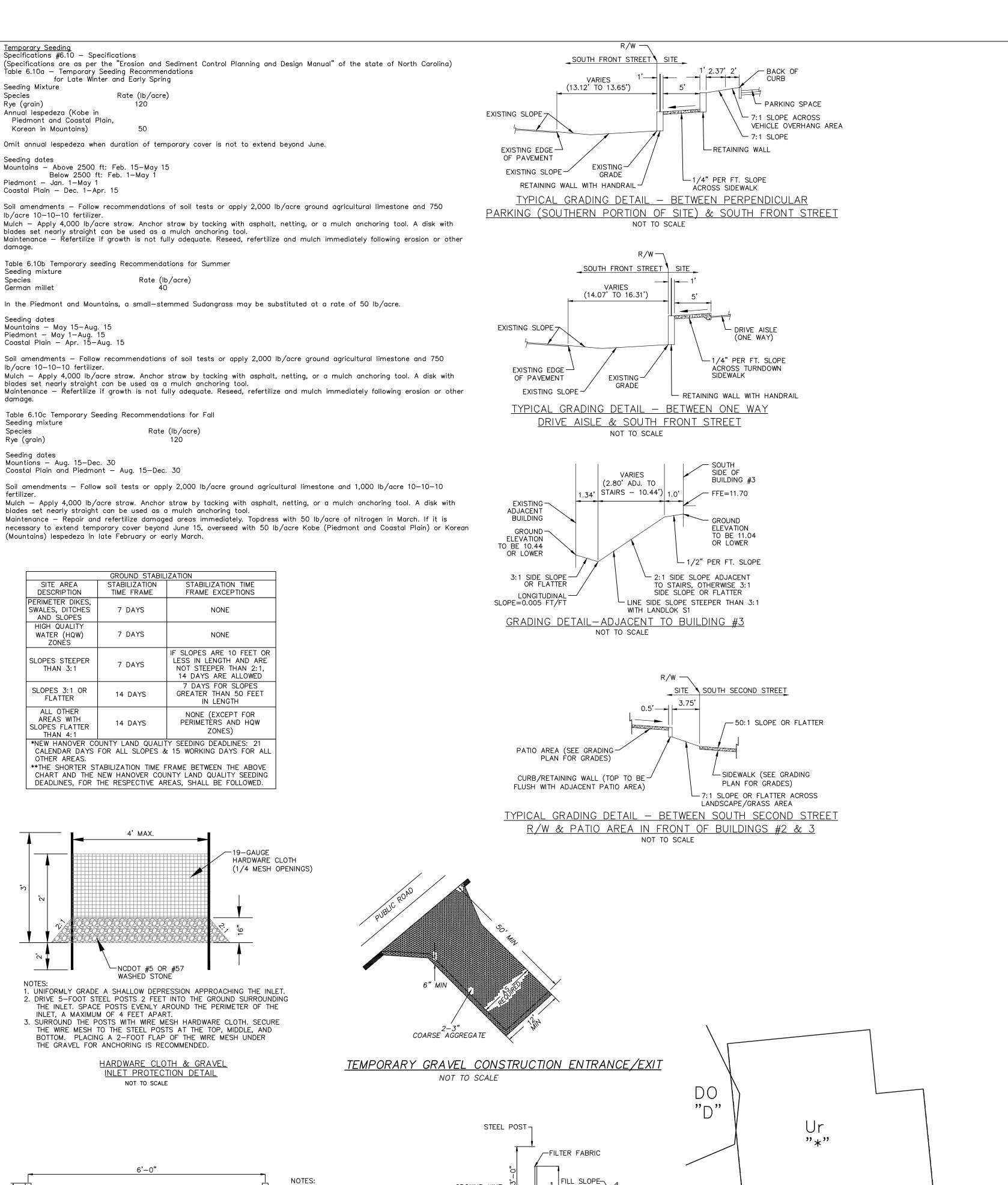
ALL OTHER

SLOPES FLATTER

OTHER AREAS.

ARFAS WITH

THAN 3:1



Soils Map Scale: 1"=100' 4-7-17 REVISED TO ADJUST DETAILS. REVISED TO ADJUST GRADING DETAILS. 5-25-17 MAINTENANCE PLAN

1. ALL EROSION CONTROL MEASURES WILL BE CHECKED EVERY 7 DAYS OR AFTER EACH RAIN PRODUCING 1/2 INCHES OR MORE WHICH EVER COMES FIRST. 2. SEDIMENT WILL BE REMOVED FROM BEHIND SILT FENCES WHERE SEDIMENT IS 0.5 FEET DEEP AND REPAIR FABRIC IF TORN, LEAKING OR FAILING. ALL POINTS OF EGRESS WILL HAVE CONSTRUCTION ENTRANCES THAT WILL BE PERIODICALLY TOP-DRESSED WITH AN ADDITIONAL 2 INCHES OF #4 STONE TO MAINTAIN PROPER DEPTH. THEY WILL BE MAINTAINED IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE SITE. IMMEDIATELY REMOVE OBJECTIONABLE MATERIAL SPILLED, WASHED, OR TRACKED ONTO THE CONSTRUCTION ENTRANCE OR ROADWAYS. 4. CHECK SEDIMENT BASINS AFTER PERIODS OF SIGNIFICANT RUNOFF. REMOVE SEDIMENT AND RESTORE THE BASIN TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT ACCUMULATES TO ONE-HALF THE DESIGN DEPTH. CHECK THE EMBANKMENT, SPILLWAYS, AND OUTLET FOR EROSION DAMAGE, AND INSPECT THE EMBANKMENT FOR PIPING AND SETTLEMENT. MAKE ALL NECESSARY REPAIRS IMMEDIATELY. REMOVE ALL TRASH AND OTHER DEBRIS FROM THE RISER AND POOL AREA. GRAVEL WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS PROPERLY OR IF THE ROCK IS DISLODGED. 5. INSPECT TEMPORARY SEDIMENT TRAPS AFTER EACH SIGNIFICANT RAINFALL REMOVE SEDIMENT AND RESTORE THE TRAP TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE TRAP. PLACE THE SEDIMENT THAT IS REMOVED IN THE DESIGNED DISPOSAL AREA AND REPLACE THE CONTAMINATED PART OF THE GRAVEL FACING. CHECK THE

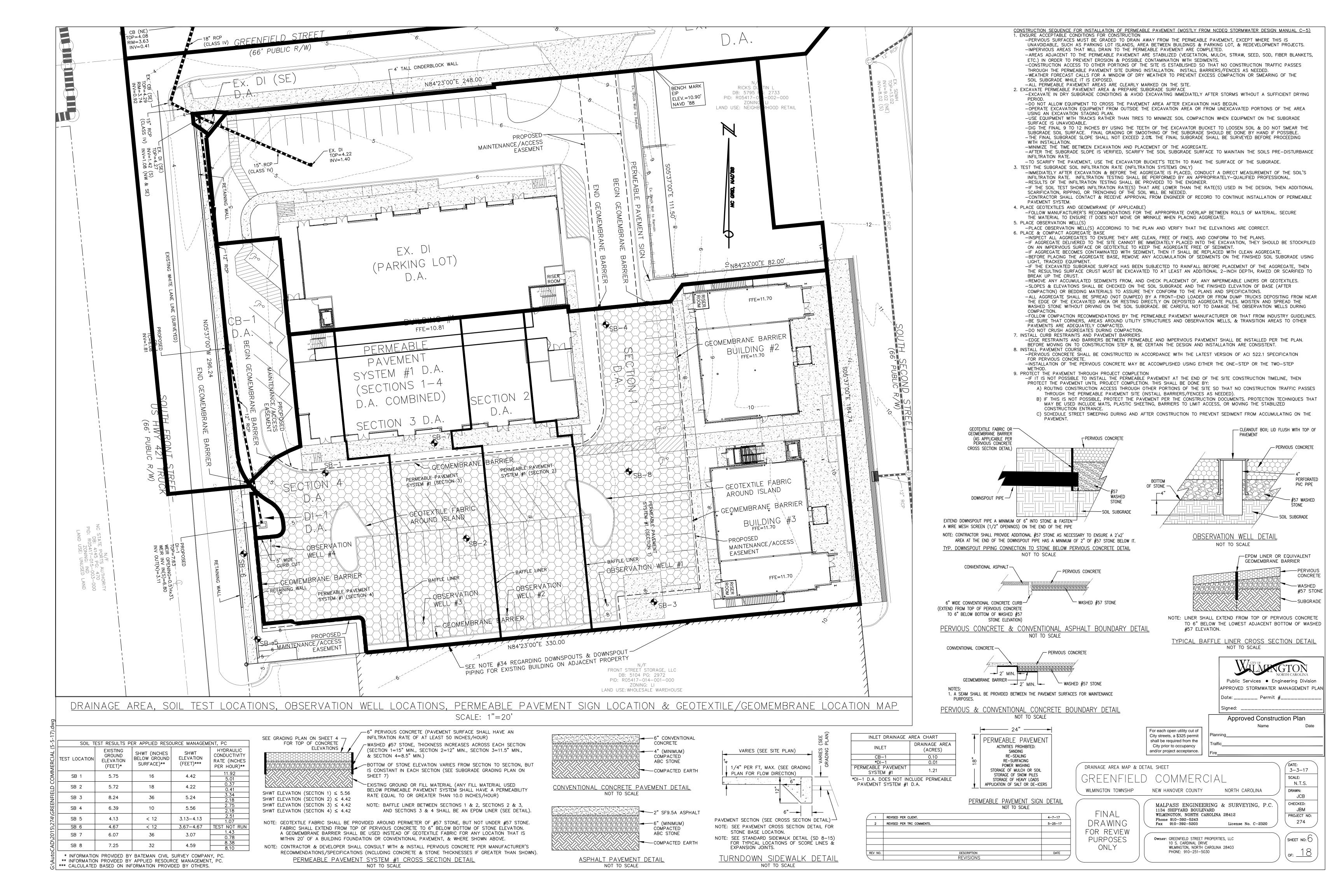
- STRUCTURE FOR DAMAGE FROM EROSION OR PIPING. PERIODICALLY CHECK THE DEPTH OF THE SPILLWAY TO ENSURE IT IS A MINIMUM OF 1.5 FT BELOW THE LOW POINT OF THE EMBANKMENT. IMMEDIATELY FILL ANY SETTLEMENT OF THE EMBAKMENT TO SLIGHTLY ABOVE GRADE. ANY RIPRAP DISPLACED FROM THE SPILLWAY MUST BE REPLACED IMMEDIATELY. AFTER ALL SEDIMENT-PRODUCING AREAS HAVE BEEN PERMANENTLY STABILIZED, REMOVE THE STRUCTURE AND ALL UNSTABLE SEDIMENT. SMOOTH THE AREA TO BLEND WITH THE ADJOINING AREAS AND STABILIZE PROPERLY
- 6. INSPECT RIPRAP OUTLET STRUCTURES AFTER HEAVY RAINS TO SEE IF ANY EROSION AROUND OR BELOW THE RIPRAP HAS TAKEN PLACE OR IF STONES HAVE BEEN DISLODGED. IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.
- 7. RIP RAP SHOULD BE INSPECTED PERIODICALLY FOR SCOUR OR DISLODGED STONES. CONTROL OF WEED AND BRUSH GROWTH MAY BE NEEDED IN SOME LOCATIONS.
- 8. ROCK DAM: CHECK SEDIMENT AFTER EACH RAINFALL. REMOVE SEDIMENT AND RESTORE ORIGINAL VOLUME WHEN SEDIMENT ACCUMULATES TO ABOUT ONE-HALF THE DESIGN VOLUME. CHECK THE STRUCTURE FOR EROSION, PIPING, AND ROCK DISPLACEMENT AFTER EACH SIGNIFICANT RAINSTORM AND REPAIR IMMEDIATELY.
- 9. INSPECT ALL MULCHES PERIODICALLY AND AFTER RAINSTORMS TO CHECK FOR RILL EROSION, DISLOCATION, OR FAILURE. WHERE EROSION IS OBSERVED, APPLY ADDITIONAL MULCH. IF WASHOUT OCCURS, REPAIR THE SLOPE GRADE. RESEED, AND REINSTALL MULCH. CONTINUE INSPECTIONS UNTIL VEGETATION IS FIRMLY ESTABLISHED.
- 10. INSPECT CHECK DAMS AND CHANNELS FOR DAMAGE AFTER EACH RUNOFF EVENT. ANTICIPATE SUBMERGENCE AND DEPOSITION ABOVE THE CHECK DAM AND EROSION FROM HIGH FLOWS AROUND THE EDGES OF THE DAM. CORRECT ALL DAMAGE IMMEDIATELY. IF SIGNIFICANT EROSION OCCURS BETWEEN DAMS, INSTALL A PROTECTIVE RIPRAP LINER IN THAT PORTION OF THE CHANNEL. REMOVE SEDIMENT ACCUMULATED BEHIND THE DAMS AS NEEDED TO PREVENT DAMAGE TO CHANNEL VEGETATION, ALLOW THE CHANNEL TO DRAIN THROUGH THE STONE CHECK DAM, AND PREVENT LARGE FLOWS FROM CARRYING SEDIMENT OVER THE DAM. ADD STONES TO DAMS AS NEEDED TO MAINTAIN DESIGN HEIGHT AND CROSS SECTION.
- 11. INSPECT BAFFLES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY. BE SURE TO MAINTAIN ACCESS TO THE BAFFLES. SHOULD THE FABRIC OF A BAFFLE COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY. REMOVE SEDIMENT DEPOSITS WHEN IT REACHES HALF FULL TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE BAFFLES. TAKE CARE TO AVOID DAMAGING THE BAFFLES DURING CLEANOUT. SEDIMENT DEPTH SHOULD NEVER EXCEED HALF THE DESIGNED STORAGE DEPTH. AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED, REMOVE ALL BAFFLE MATERIALS AND UNSTABLE SEDIMENT DEPOSITS, BRING THE AREA TO GRADE, AND
- 12. INSPECT INLETS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2 INCH OR GREATER) RAINFALL EVENT. SEDIMENT WILL BE REMOVED FROM HARDWARE CLOTH AND GRAVEL INLET PROTECTION, BLOCK AND GRAVEL INLET PROTECTION ROCK DOUGHNUT INLET PROTECTION AND ROCK PIPE INLET PROTECTION WHEN THE DESIGNED STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS AS DESIGNED. DEBRIS WILL BE REMOVED FROM THE ROCK AND HARDWARE CLOTH TO ALLOW PROPER DRAINAGE. TAKE CARE NOT TO DAMAGE OR UNDERCUT THE WIRE MESH DURING SEDIMENT REMOVAL. SILT SACKS WILL BE EMPTIED ONCE A WEEK AND AFTER EVERY RAIN EVENT. SEDIMENT WILL BE REMOVED FROM AROUND BEAVER DAMS, DANDY SACKS AND SOCKS ONCE A WEEK AND AFTER EVERY RAIN EVENT. 13. INSPECT TEMPORARY DIVERSIONS ONCE A WEEK AND AFTER EVERY RAINFALL
- IMMEDIATELY REMOVE SEDIMENT FROM THE FLOW AREA AND REPAIR THE DIVERSION RIDGE. CAREFULLY CHECK OUTLETS AND MAKE TIMELY REPAIRS AS NEEDED. WHEN THE AREA PROTECTED IS PERMANENTLY STABILIZED, REMOVE THE RIDGE AND THE CHANNEL TO BLEND WITH THE NATURAL GROUND LEVEL AND APPROPRIATELY STABILIZE
- 14. INSPECT SKIMMER SEDIMENT BASINS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (ONE-HALF INCH OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY. REMOVE SEDIMENT AND RESTORE THE BASIN TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT ACCUMULATES TO ONE-HALF THE HEIGHT OF THE FIRST BAFFLE. PULL THE SKIMMER TO ONE SIDE SO THAT THE SEDIMENT UNDERNEATH IT CAN BE EXCAVATED. EXCAVATE THE SEDIMENT FROM THE ENTIRE BASIN, NOT JUST AROUND THE SKIMMER OR THE FIRST CELL. MAKE SURE VEGETATION GROWING IN THE BOTTOM OF THE BASIN DOES NOT HOLD DOWN THE SKIMMER. REPAIR THE BAFFLES IF THEY ARE DAMAGED. RE-ANCHOR THE BAFFLES IF WATER IS FLOWING UNDERNEATH OR AROUND THEM. IF THE SKIMMER IS CLOGGED WITH TRASH AND THERE IS WATER IN THE BASIN, USUALLY JERKING ON THE ROPE WILL MAKE THE SKIMMER BOB UP AND DOWN AND DISLODGE THE DEBRIS AND RESTORE FLOW. IF THIS DOES NOT WORK, PULL THE SKIMMER OVER TO THE SIDE OF THE BASIN AND REMOVE THE DEBRIS. ALSO CHECK THE ORIFICE INSIDE THE SKIMMER TO SEE IF IT IS CLOGGED; IF SO REMOVE THE DEBRIS. IF THE SKIMMER ARM OR BARREL PIPE IS CLOGGED, THE ORIFICE CAN BE REMOVED AND THE OBSTRUCTION CLEARED WITH A PLUMBER'S SNAKE OR BY FLUSHING WITH WATER. BE SURE AND REPLACE THE ORIFICE BEFORE REPOSITIONING THE SKIMMER. CHECK THE FABRIC LINED SPILLWAY FOR DAMAGE AND MAKE ANY REQUIRED REPAIRS WITH FABRIC THAT SPANS THE FULL WIDTH OF THE SPILLWAY. CHECK THE EMBANKMENT, SPILLWAYS, AND OUTLET FOR EROSION DAMAGE, AND INSPECT THE EMBANKMENT FOR PIPING AND SETTLEMENT. MAKE ALL NECESSARY REPAIRS IMMEDIATELY. REMOVE ALL TRASH AND OTHER DEBRIS FROM THE SKIMMER AND POOL AREAS. FREEZING WEATHER CAN RESULT IN ICE FORMING IN THE BASIN. SOME SPECIAL PRECAUTIONS SHOULD BE TAKEN IN THE WINTER TO PREVENT THE SKIMMER FROM PLUGGING WITH ICE.
- 15. ALL SEEDED AREAS WILL BE FERTILIZED, RESEEDED AS NECESSARY, AND MULCHED ACCORDING TO SPECIFICATIONS IN THE VEGETATIVE PLAN TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER. SEE GROUND STABILIZATION CHART FOR STABILIZATION TIME FRAME.

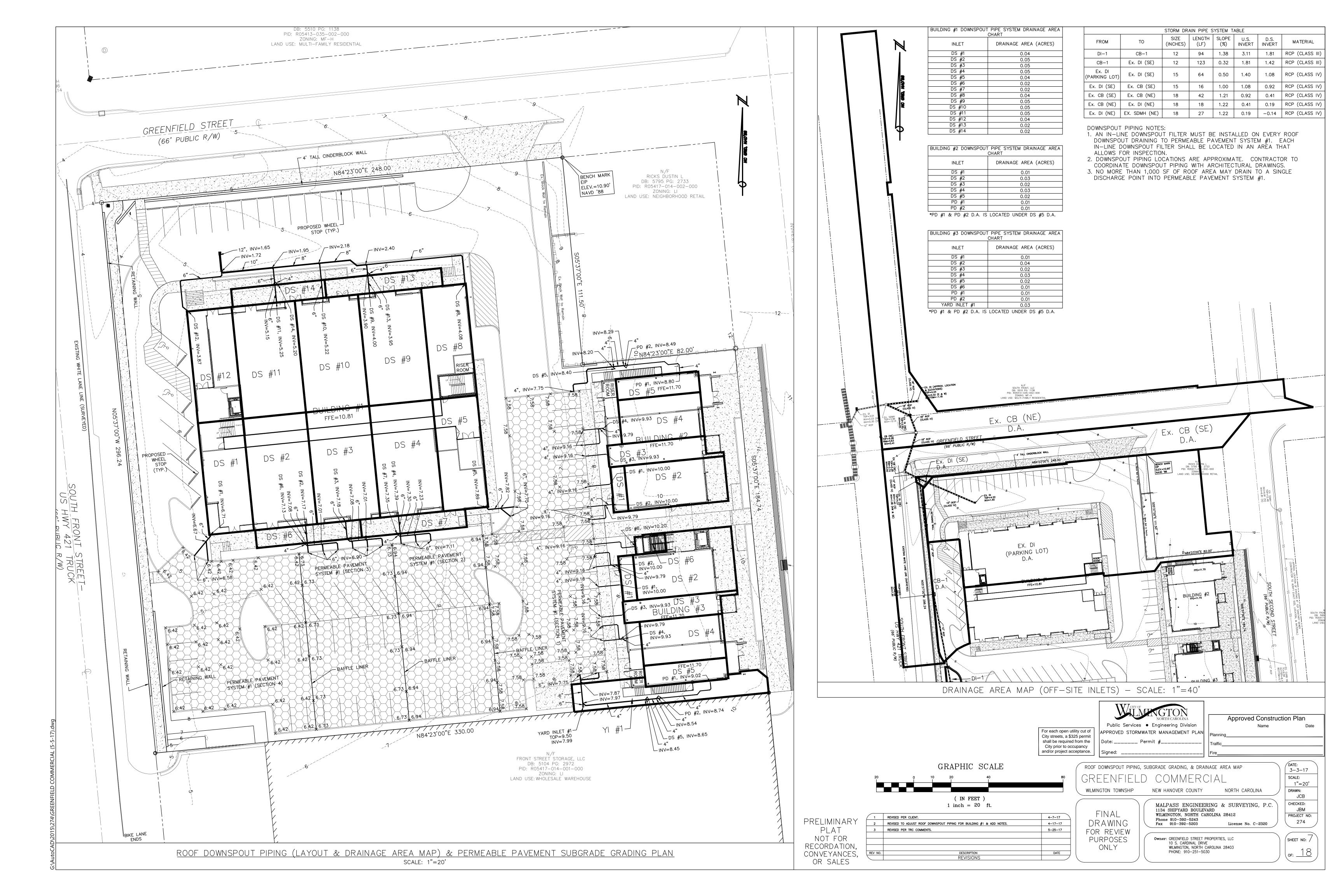
For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

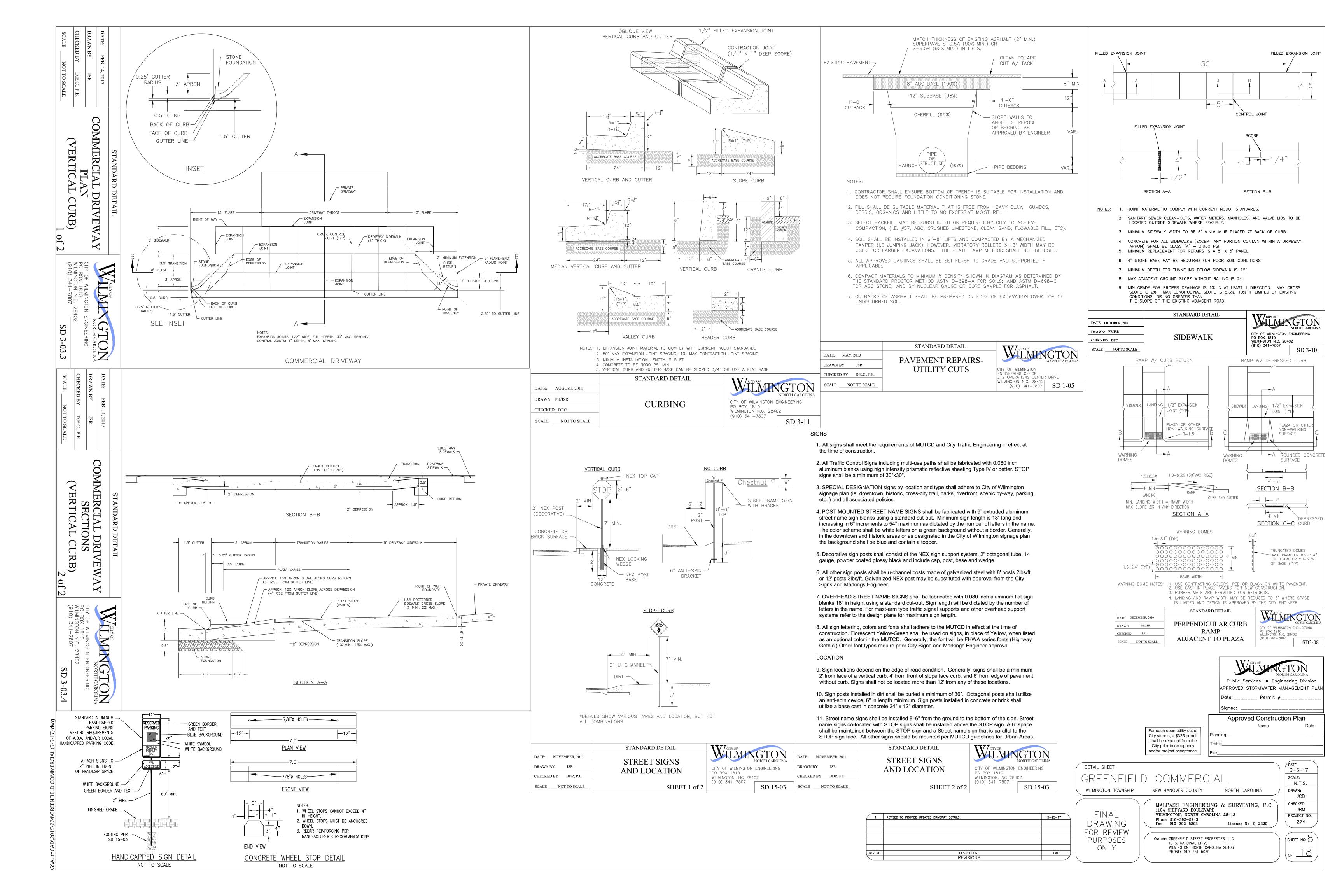


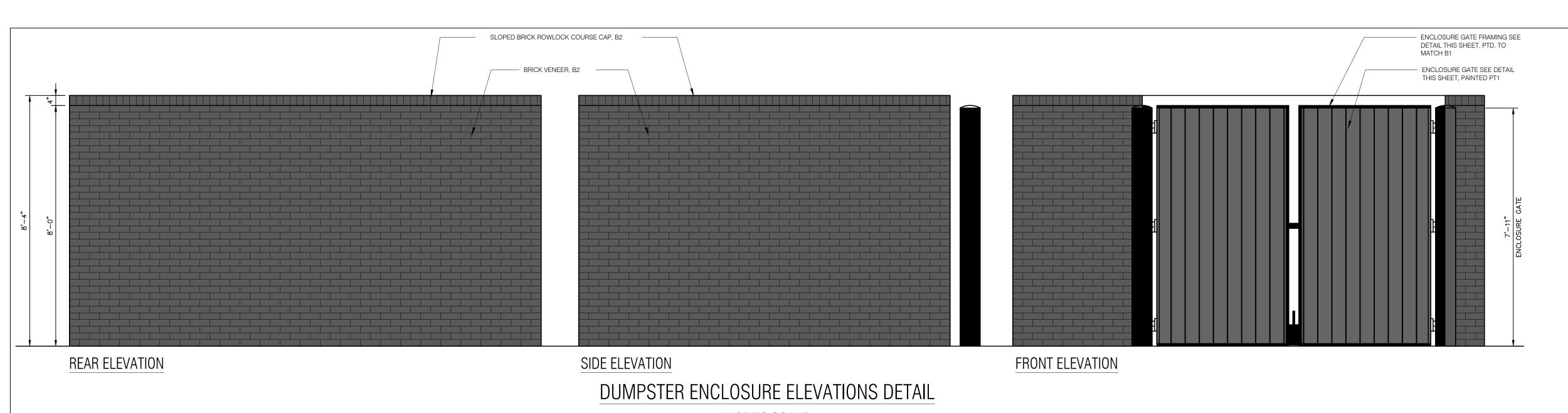


PHONE: 910-251-5030

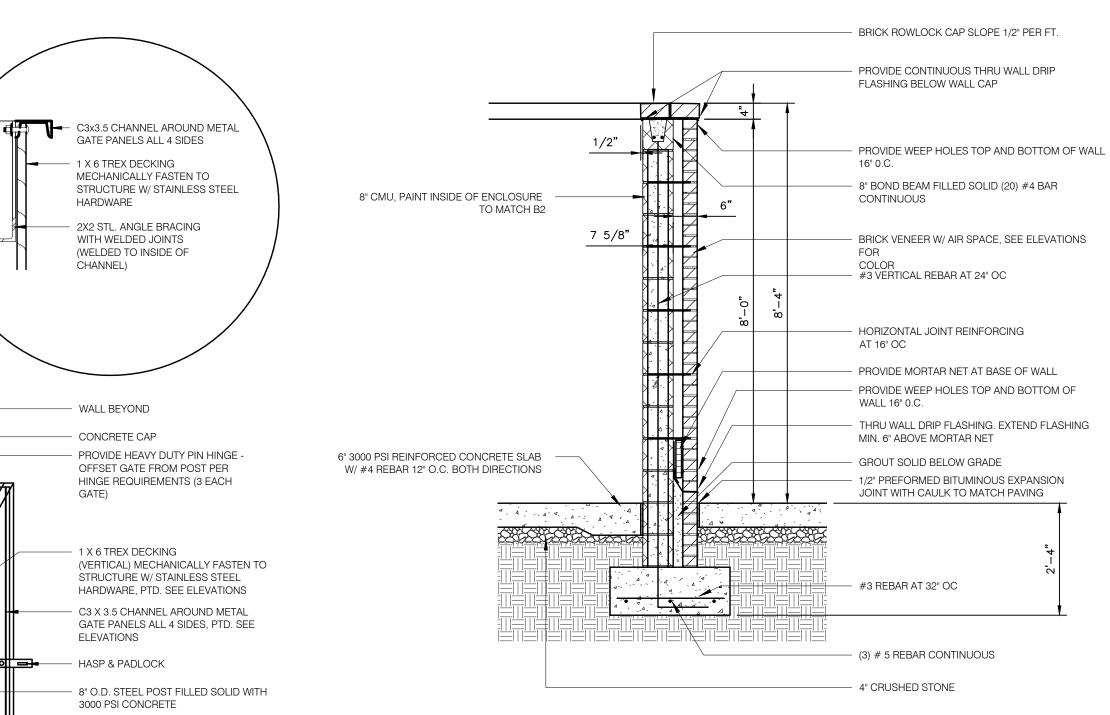








NOT TO SCALE



SECTION @ ENCLOSURE WALL DETAIL NOT TO SCALE

DUMPSTER ENCLOSURE GATE DETAIL NOT TO SCALE

— 1 X 6 TREX DECKING

WITH WELDED JOINTS

(WELDED TO INSIDE OF

HARDWARE

CHANNEL)

- WALL BEYOND

- CONCRETE CAP

1 X 6 TREX DECKING

3000 PSI CONCRETE

— 1/2" STEEL PIN GATE STOP

CLOSED

- 3/4" I.D. STEEL PIPIE EMBEDED IN CONCRETE FOR PIN TO DROP INTO WHEN

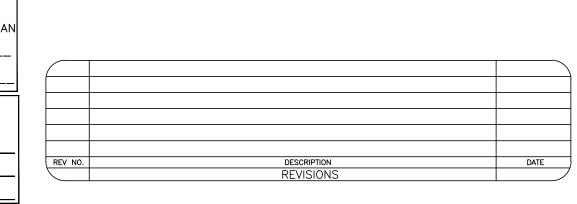
REINFORCED CONCRETE PAD

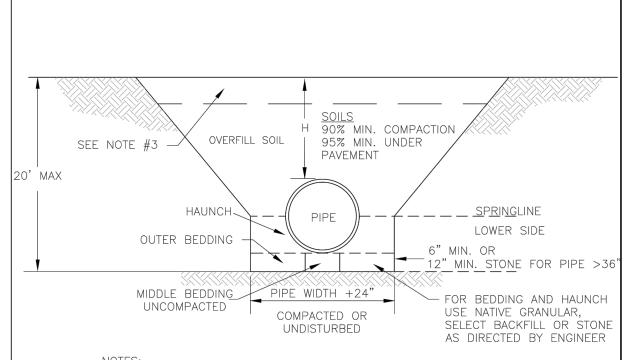
- 3000 PSI CONCRETE FOUNDATION

2X2 STL. ANGLE BRACING WITH WELDED

JOINTS (WELDED TO INSIDE OF CHANNEL)







- 1. CONTRACTOR SHALL ENSURE BOTTOM OF TRENCH IS SUITABLE FOR PIPE INSTALLATION AND DOES NOT REQUIRE FOUNDATION CONDITIONING STONE.
- 2. CONTRACTOR TO INSTALL BEDDING AND PIPE BEFORE INSTALLING HAUNCH AND THEN OVERFILL. SOILS SHALL BE INSTALLED IN 6"-8" LIFTS AND COMPACTED TO MIN. % DENSITY AS DETERMINED BY THE STANDARD PROCTOR ASTM D-698-A METHOD.
- 3. WHERE IN PAVEMENT, CONTRACTOR SHALL ADHERE TO CITY STREET CUT POLICY AND SD 1-04 OR SD 1-05 FOR ROAD AND PAVEMENT REBUILD.
- 4. SOIL SHALL BE COMPACTED BY A MECHANIZED TAMP (I.E. JUMPING JACK). HOWEVER, VIBRATORY ROLLERS > 18" WIDTH MAY BE USED FOR LARGER
- 5. THIS DETAIL IS REPRESENTATIVE AND PIPE TRENCH DESIGN IS SUBJECT TO SPECIFIC SOIL CATEGORY (I, II, III), AND INSTALLATION TYPE (1, 2, 3, 4), AS DIRECTED BY THE ENGINEER AND SITE CONDITIONS.

EXCAVATIONS. THE PLATE TAMP METHOD SHALL NOT BE USED.

	STANDARD DETAIL	TV7crry of
DATE: MAY, 2013		WILMINGTON
DRAWN: JSR	PIPE TRENCH	NORTH CAROLINA
CHECKED: BDR, P.E.	TYPICAL	CITY OF WILMINGTON ENGINEERING OFFICE 212 OPERATIONS CENTER DRIVE
SCALE: NOT TO SCALE		WILMINGTON N.C. 28412 (910) 341-7807 SD 1-07



DRAWING

FOR REVIEW

PURPOSES

ONLY

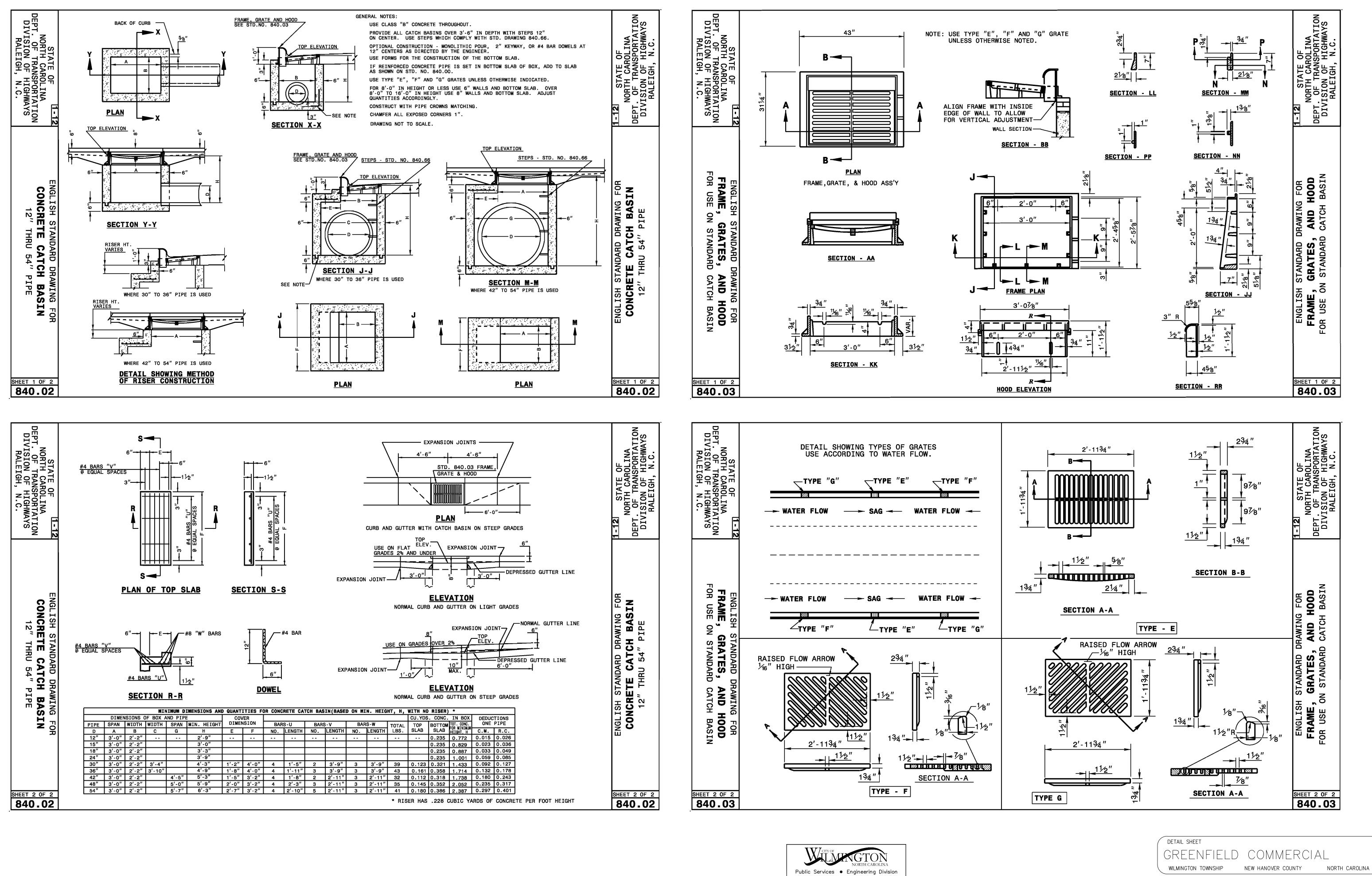
WILMINGTON, NORTH CAROLINA 28412 Phone 910-392-5243 License No. C-2320 Fax 910-392-5203

Owner: GREENFIELD STREET PROPERTIES, LLC 10 S. CARDINAL DRIVE WILMINGTON, NORTH CAROLINA 28403 PHONE: 910-251-5030

274 SHEET NO: 9

JCB

JBM



For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

APPROVED STORMWATER MANAGEMENT PLAN

Approved Construction Plan

Date: _____ Permit #___

4-7-17 REVISED TO SWITCH DETAILS.

MALPASS ENGINEERING & SURVEYING, P.C. 1134 SHIPYARD BOULEVARD FINAL Phone 910-392-5243 DRAWING Fax 910-392-5203 FOR REVIEW PURPOSES ONLY PHONE: 910-251-5030

WILMINGTON, NORTH CAROLINA 28412 License No. C-2320 Owner: GREENFIELD STREET PROPERTIES, LLC 10 S. CARDINAL DRIVE WILMINGTON, NORTH CAROLINA 28403

3-3-17

SCALE: N.T.S.

DRAWN:

JCB

PROJECT NO:

274

(SHEET NO: 10)

CHECKED: JBM

