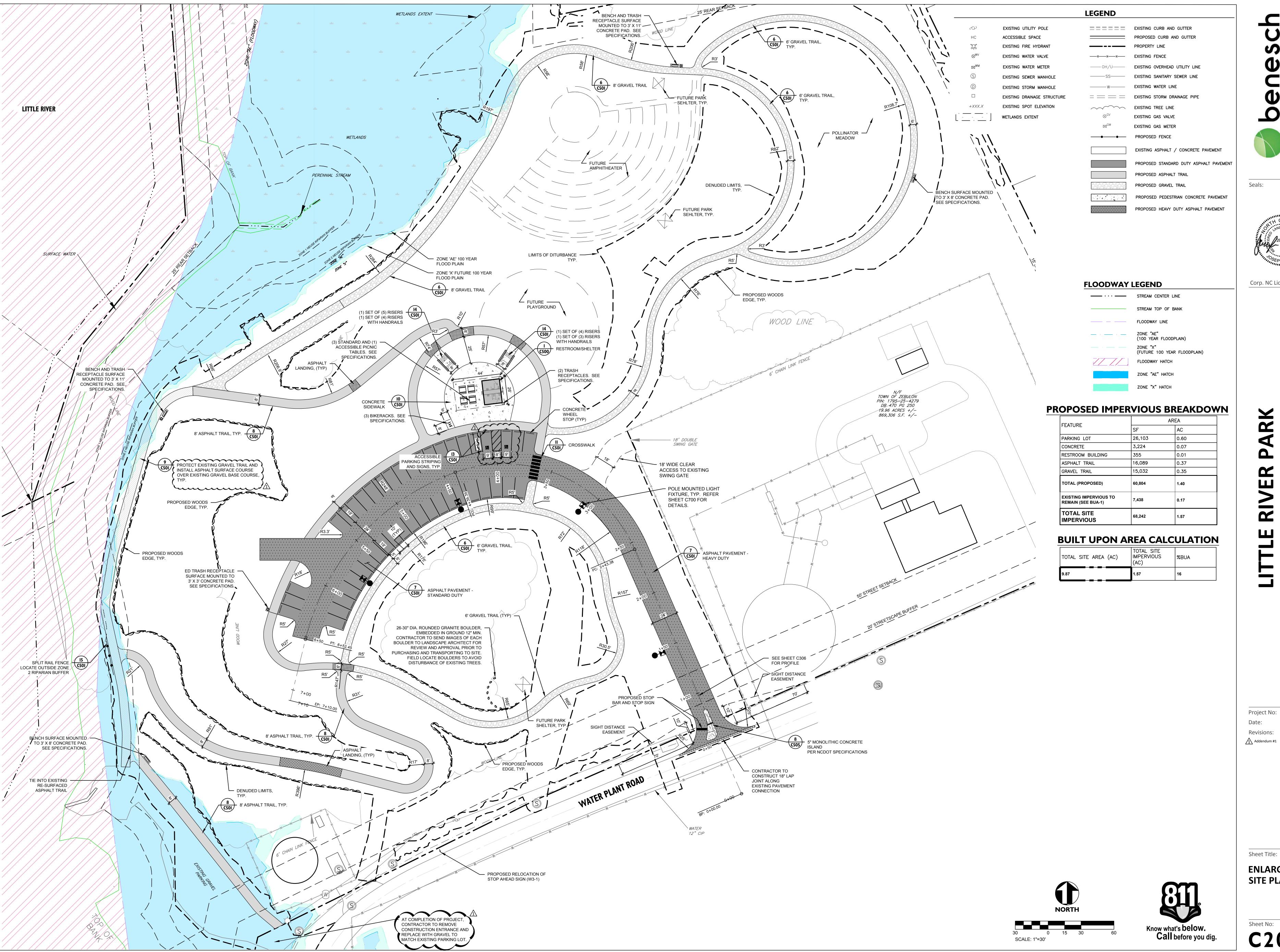




Project No: 1725-500672.00 11.20.2025 Revisions:

Sheet Title:

**ENLARGED EXISTING CONDITIONS DEMOLITION PLAN** 



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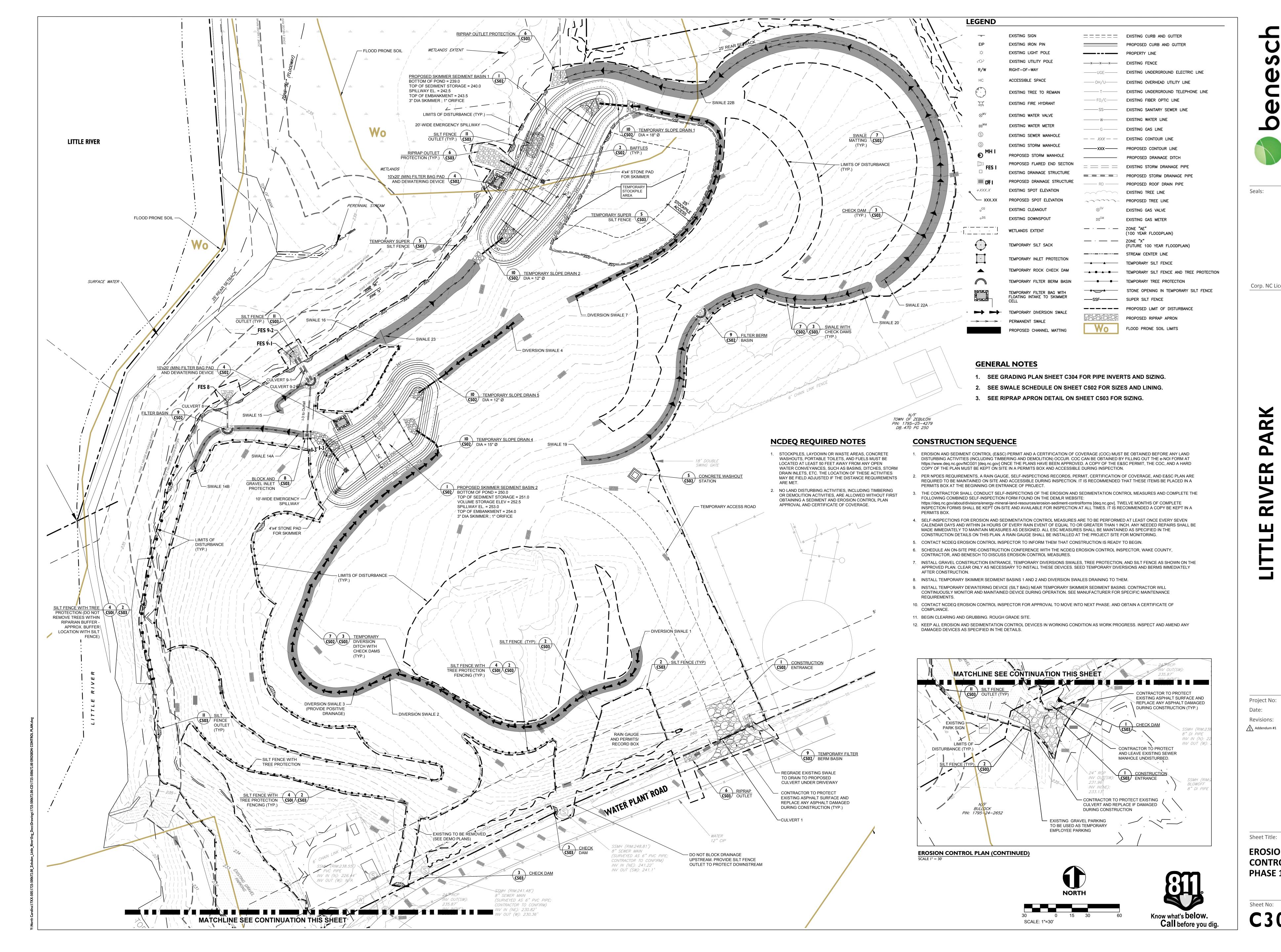


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Project No: 1725-500672.00 11.20.2025 Revisions:

Sheet Title:

**ENLARGED SITE PLAN** 



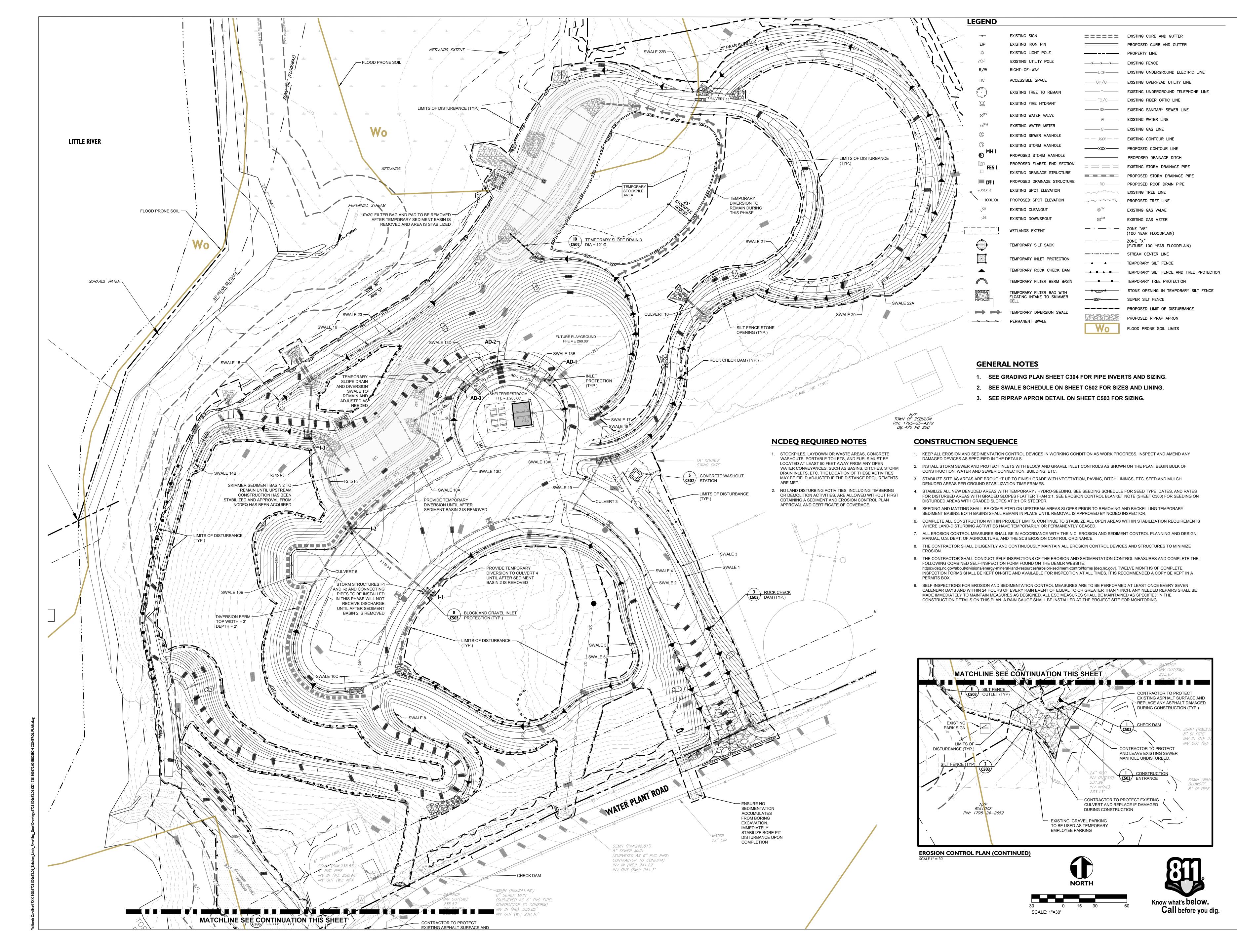


Project No: 1725-500672.00 11.20.2025 **Revisions:** 

12.08.25

Sheet Title:

**EROSION CONTROL PLAN** PHASE 1



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Charlotte, NC 28208



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**~** 

1800 WEST GANNON AVENUE

Project No: 1725-500672.00

Date: 11.20.2025

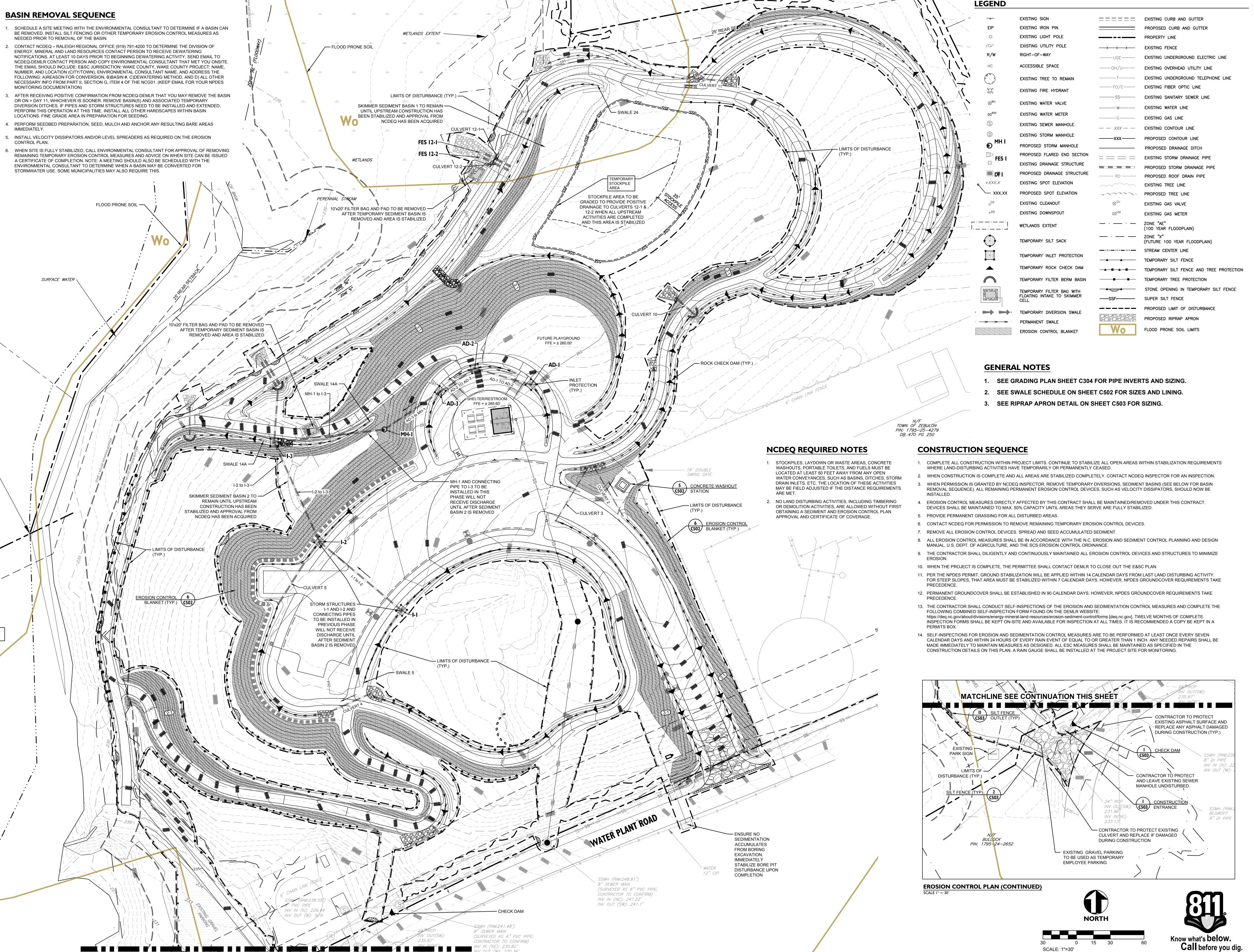
Revisions: 12.08.25

\_\_\_\_\_ Sheet Title:

EROSION CONTROL PLAN PHASE 2

Sheet No:

C302-I



MATCHLINE SEÉ CONTINUATION THIS SHEET

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EROSION CONTROL PLAN FINAL PHASE

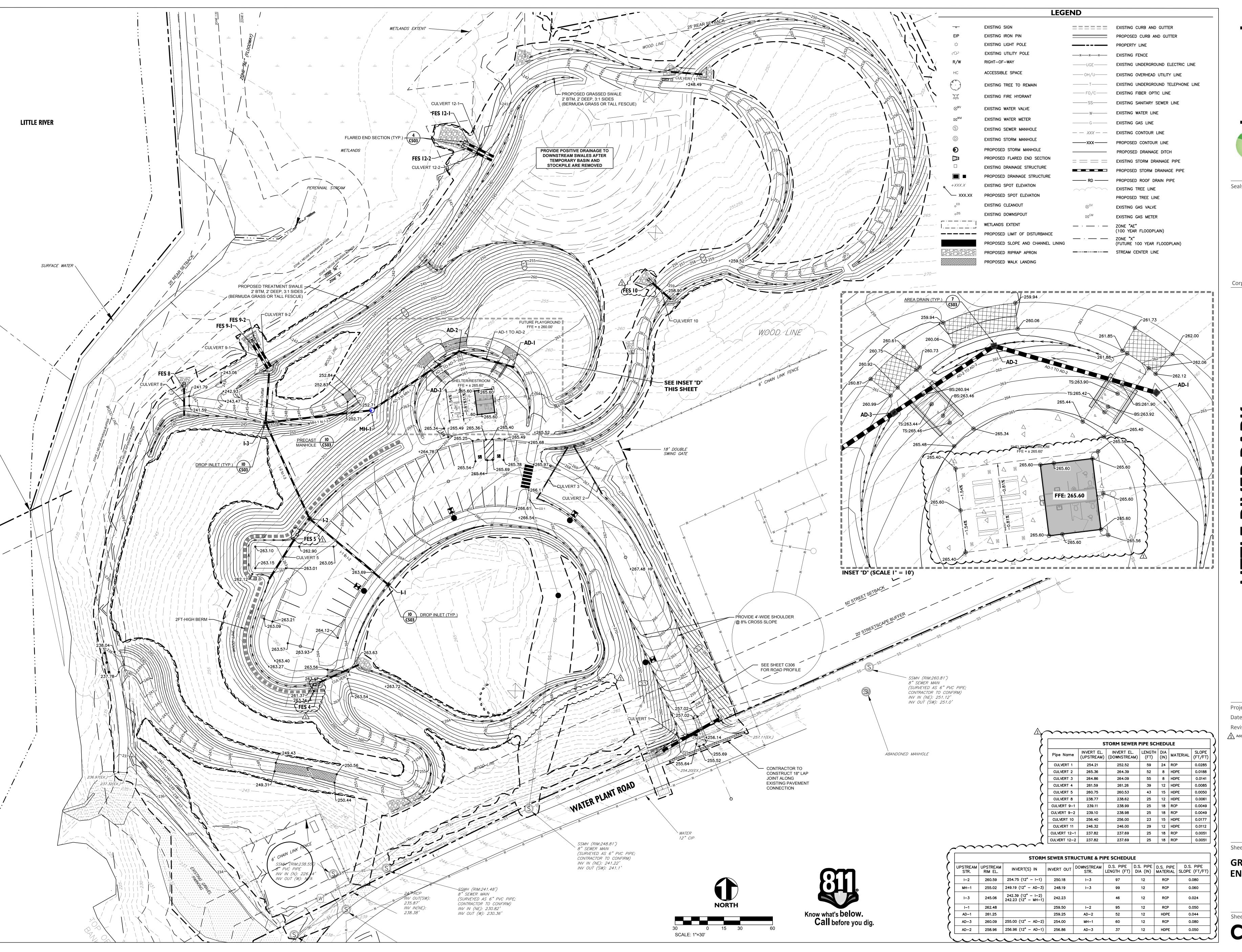
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Sheet Title:

Project No: 1725-500672.00

Revisions:

/1\ Addendum #1

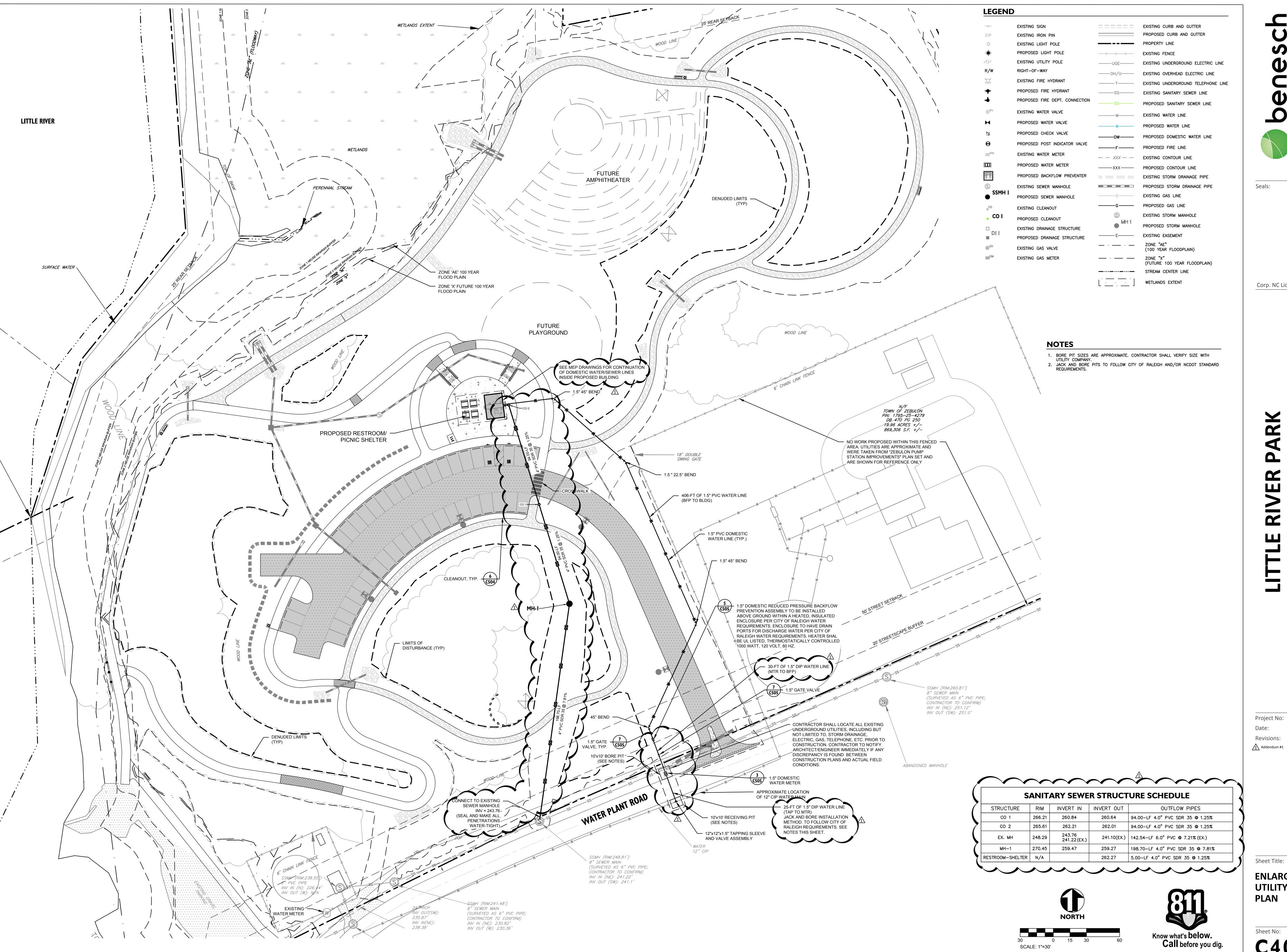


Project No: 1725-500672.00

Revisions: ✓1 Addendum #1

Sheet Title:

**GRADING PLAN ENLARGEMENT** 

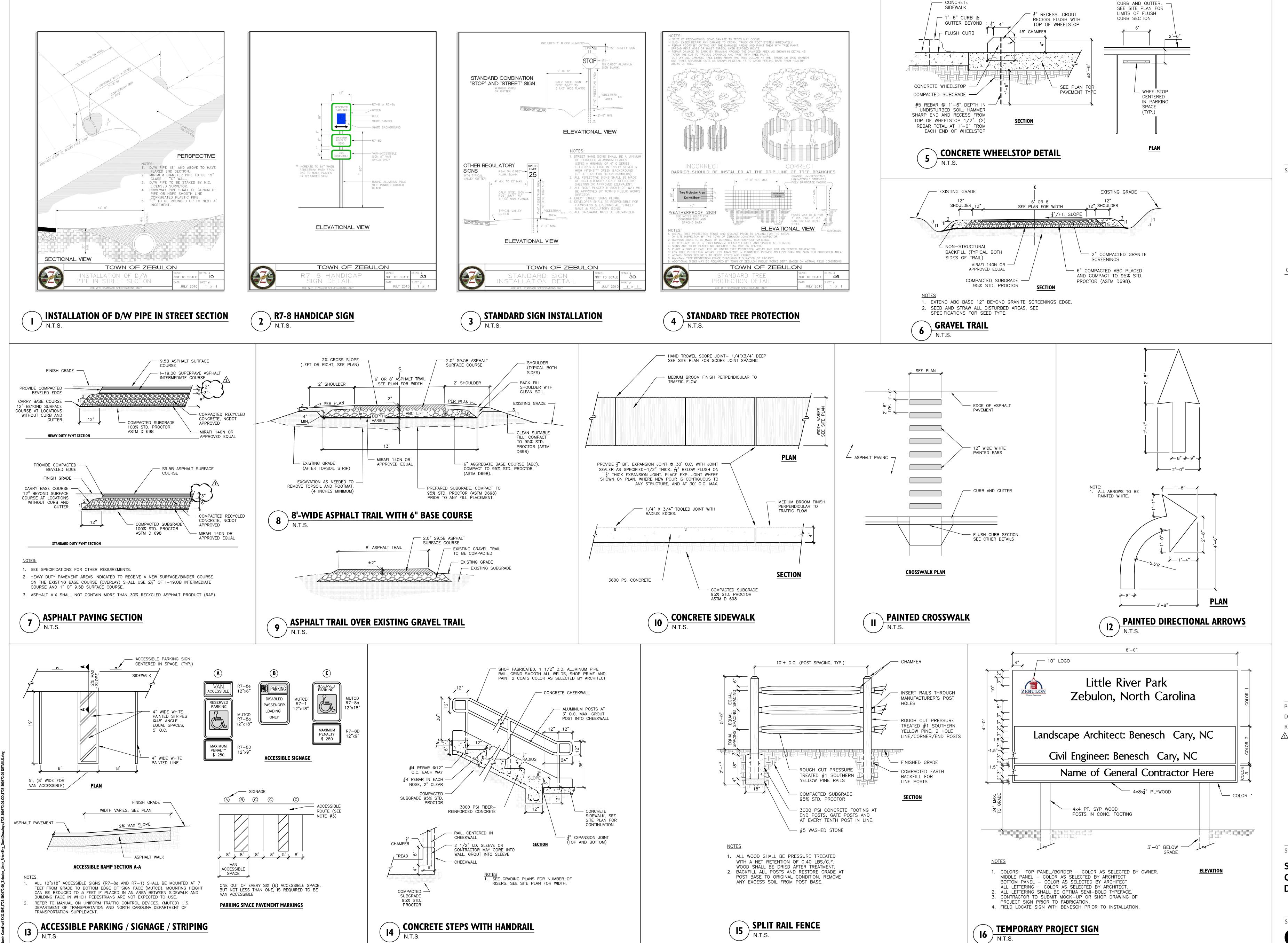




Project No: 1725-500672.00 Revisions:

Sheet Title: **ENLARGED** 

UTILITY **PLAN** 



Seals:



Corp. NC License: F-1320

Project No: 1725-500672.00 11.20.2025 Revisions:

Addendum #1

Sheet Title:

SITE **CONSTRUCTION DETAILS** 

Seals:

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1. At a minimum, grass-lined channels should carry peak runoff from the 10-year storm without eroding. Increase the capacity according to the potential damage if flood hazard If design velocity of the channel to be vegetated by seeding exceeds 2 feet per second, a temporary channel liner is Channel side slopes should be 3:1 or flatter to aid in the channels along roadways should have side slopes of 6:1 or flatter for safety. 4. Remove all trees, brush, stumps, and other objectionable material from the foundation area, and dispose of properly. 5. Excavate the channel, and shape it to neat lines and around the channel perimeter to allow for bulking during 6. Remove and properly dispose of all excess soil so that the The procedure used to establish grass in the channel will lepend upon the severity of the conditions and selection of pecies. Protect the channel with mulch or a temporary liner

SC250 OR 9

RIPRAP S150

seedbed preparations and sod buildup. surface water may enter the channel freely. sufficient to withstand anticipated velocities during the establishment period.

TYPE BOTTOM DEPTH

TRAPEZOID 2 2 3

TRAPEZOID 2 2 3

TRAPEZOID 2 2

V-DITCH

TRAPEZOID V-DITCH 0

TRAPEZOID

TRAPEZOID

V-DITCH 0

TRAPEZOID 2

X-Section Area (A) = bd + Zd<sup>2</sup> Maintenance During the establishment period, check grass-lined channels necessary repairs.

After grass is established, periodically check the channel. check after heavy rainfall events and immediately make any 3. Check the channel outlet and all road crossings for bank stability and evidence of piping or scour holes. 4. Remove all significant sediment accumulations to maintain the designed carrying capacity. 5. Keep grass in a healthy, vigorous condition at all times.

Effective Date: 9/1/202 In accordance with the 2013 Design Manual Updates

**GRASS-LINED CHANNELS** 

GRASS LINED SWALES

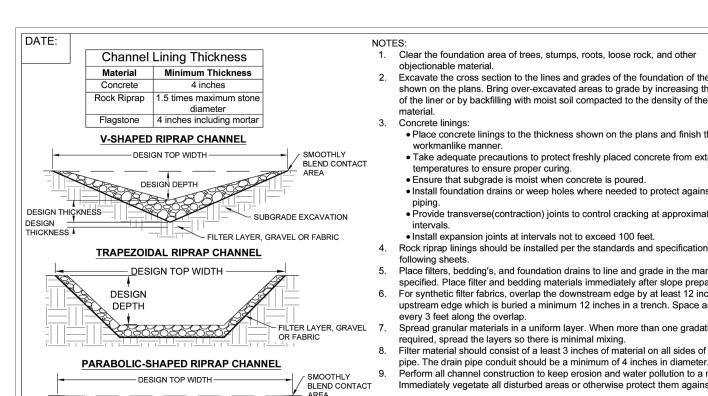
X-Section Area (A) =  $Zd^2$ 

X-Section Area (A) =  $\frac{2}{3}$  Td

Top Width (T) = b + 2dz

Top Width (T) =  $\frac{1.5 \text{ A}}{d}$ 

Top Width (T) = 2dz



DESIĠN DEPTH

SKIMMER CONSTRUCTION SPECIFICATIONS

BEFORE REPOSITIONING THE SKIMMER.

<u>MAINTENANCE</u>

NOTES:

1. Select material based on site and practice requirements, availability of material, labor and equipment.

I. In hydroseeding operations a green dye, added to the slurry, assures a uniform application.

ANCHORING ORGANIC MULCH

6. Lightweight plastic, cotton, jute, wire or paper nets may be stapled over the mulch according to

Withstands waterflow. Best when used with organic when used to anchor mulch in fall plantings, and German Millet in spring. Broadcast at 15 lb/acre before applying mulc CHEMICAL MULCHES

1. May be effective for soil stabilization if used between May 1 and June 15, or Sept. 15 and Oct. 15, provided that they are used on slopes no steeper than 4:1, and that proper seedbed preparation has been accomplished, including surface roughening where required.

2. Chemical mulches cannot be used to anchor mulch in fall plantings, and German Millet in spring. Broadcast at 15 lb/acre before applying mulc CHEMICAL WILCHES

1. May be effective for soil stabilization if used between May 1 and June 15, or Sept. 15 and Oct. 15, provided that they are used on slopes no steeper than 4:1, and that proper seedbed preparation has been accomplished, including surface roughening where required.

2. Chemical mulches cannot be used to bind out or mulches, or with wood fiber in a hydroseeded slurry at any time. Follow the

SWALE ID TYPE BOTTOM DEPTH

West of the state of the state

V-DITCH 0 1.3 2

TRIANGULAR "V" CHANNEL CROSS SECTION

PARABOLIC CHANNEL CROSS SECTION

TRAPEZOIDAL CHANNEL CROSS SECTION

NCDEQ STD. 6.30

V-DITCH

V-DITCH

V-DITCH

V-DITCH

V-DITCH

V-DITCH

V-DITCH

Straw mulch must be anchored immediately after spreading

A tractor-drawn implement designed to punch mulch into the

shoes and causing damage to rugs, clothes, etc.
Synthetic binders may be used as recommended by the manufacturer.

recommendations for application.

oats; spread by hand or

machine; must be tacked

cellulose. May be

gal/1,000 sq. ft.

\*Refer to Practice No. 6.30, Grass Lined Channels in the NC DEQ E&SC Planning and Design Manual

3. Mats, including "excelsior" (wood fiber) blankets, are considered protective mulches and may be used alone.

**MULCHING** 

1-2 tons

5-6 tons

0.5-1 tons

4-6 tons

Cover area

Fiberglass roving

0.5-1 tons

Continuous fibers of drawn glass bound together with a compressed air ejector. Tack with emulsified asphalt of a content of the content of t

In accordance with the 2013

Design Manual Updates

Excelsior (wood fiber net)

Cover area

Continuous fibers

1-3 tons

Wood Chips

Wood Fiber

Corn Stalks

seed-bearing stems

Fiberglass net

Aquatain Aerospray

Curasol AK Pertroset SB Terra Tack Crust 500

Jute net

avoid weeds.

35 cubic yards or hammer-milled, chip handler, or by hand. Do

Cover area woven of single when used with organic

or chips. not use asphalt tack.

Cut or shredded in 4-6 inch lengths.

Apply with mulch blower or by hand. Not for use in fine turf.

Select material based on site and practice requirements, availability of material, labor and equipment, install sediment control practices, and prepare the seedbed. Apply seed before mulching except when seed is applied as part of a hydroseeder slurry containing wood fiber mulch or a hydroseeder slurry is applied over straw. APPLICATION OF ORGANIC MULCH
 Spread mulch uniformly by hand, or with a mulch blower.
 When spreading straw mulch by hand, divide the area to be mulched into sections of approximately 1,000 ft<sup>2</sup>, and place 70-90 lb. of straw(1 1/2 to 2 bales) in each section to facilitate uniform distribution.
 After Spreading, no more than 25% of the ground surface should be visible.
 In bydroseeding operations a green dive added to the slurry, assures a uniform application.

tool. The disk should not be sharp enough to cut the straw. These methods are limited to slopes no steeper than 3:1, where equipment can operate safely.

3. Application of liquid mulch binders and tackifiers should be heaviest at the edges of areas and at crests of ridges and banks, to resist winds. Binder should be applied uniformly to the rest of the area. Binders may be applied after mulch is spread, or may be sprayed into the mulch as it is being blown onto the soil. Applying straw and binder together is the most effective method.

4. Emulsified asphalt should be applied at 0.10 gallons per square yard (10 gal/1,000 ft²). Heavier applications cause straw to "perch" over rills. Use Rapid setting (RS or CRS) designated asphalt in traffic areas to prevent uncured asphalt from being picked up on shoes and causing damages to ruse, othes etc.

For small areas where other methods cannot be used, peg and twine anchoring can be used. Drive 8-10 inch wooden pegs to within a inches of the soil surface, every 4 feet in all directions. Stakes can be driven before or after straw is spread. Secure mulch by

2. As a channel lining, and at other sites of concentrated flow, the roying mat must be further anchored to prevent undermining. The action is using an action sites of concentrated now, the rowing mar must be furnier anchored to prevent undermining. It may be secured with stakes placed at intervals no greater than 10 feet along the drainageway, and randomly throughout its width, but not more than 10 feet apart.

As an option to staking, the rowing can be buried to a depth of 5 inches at the upgrade end and at intervals of 50 feet along the length

ests alone generally provide little moisture conservation benefits and only limited erosion protection. Therefore, typically use in

conjunction with an organic mulch such as straw.

2. Except when wood fiber slurry is used, netting should always be installed **over** the mulch. Wood fiber may be sprayed on top of an

THROUGH THE DAM AFTER THE EMBANKMENT IS COMPLETE.

1. SHAPE THE BASIN TO THE SPECIFIED DIMENSIONS. PREVENT THE SKIMMING DEVICE FROM SETTLING INTO

3. ASSEMBLE THE SKIMMER FOLLOWING THE MANUFACTURES INSTRUCTIONS, OR AS DESIGNED.

TAKEN IN THE WINTER TO PREVENT THE SKIMMER FROM PLUGGING WITH ICE.

Effective Date: 9/1/202

SC250 OR 6"

RIPRAP

In accordance with the 2013

PLACE THE BARREL (TYPICALLY 4-INCH LAYERS AND COMPACT IT UNDER AND AROUND THE PIPE OR AT LEAST THE SAME DENSITY AS THE ADJACENT EMBANKMENT. CARE MUST BE TAKEN NOT TO RAISE THE PIPE

FROM THE FIRM CONTACT WITH ITS FOUNDATION WHEN COMPACTING UNDER THE PIPE HAUNCHES. PLACE A

MINIMUM DEPTH OF 2 FEET OF COMPACTED BACKFILL OVER THE PIPE SPILLWAY BEFORE CROSSING IT WITH

CONSTRUCTION EQUIPMENT. IN NO CASE SHOULD THE PIPE CONDUIT BE INSTALLED BY CUTTING A TRENCH

4. LAY THE ASSEMBLED SKIMMER ON THE BOTTOM OF THE BASIN WITH THE FLEXIBLE JOINT AT THE INLET OF

1. 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 IT IF IS CLOGGED; IF SO REMOVE THE DEBRIS.

2. IF THE SKIMMER ARM OR BARREL PIPE IS CLOGGED, THE ORIFICE CAN BE REMOVED AND THE OBSTRUCTION

3. FREEZING WEATHER CAN RESULT IN ICE FORMING IN THE BASIN. SOME SPECIAL PRECAUTIONS SHOULD BE

CLEARED WITH A PLUMBER'S SNAKE OR BY FLUSHING WITH WATER. BE SURE AND REPLACE THE ORIFICE

SIDE OF THE BASIN. THIS WILL BE USED TO PULL THE SKIMMER TO THE SIDE FOR MAINTENANCE.

THE BARREL PIPE. ATTACH THE FLEXIBLE JOINT TO THE BARREL PIPE AND POSITION THE SKIMMER OVER

THE EXCAVATED PIT OR SUPPORT. BE SURE TO ATTACH A ROPE TO THE SKIMMER AND ANCHOR IT TO THE

THE MUD BY EXCAVATING A SHALLOW PIT UNDER THE SKIMMER OR PROVIDING A LOW SUPPORT UNDER THE

2. Excavate the cross section to the lines and grades of the foundation of the liner as shown on the plans. Bring over-excavated areas to grade by increasing the thickness of the liner or by backfilling with moist soil compacted to the density of the surrounding Concrete linings: Place concrete linings to the thickness shown on the plans and finish them in a workmanlike manner. • Take adequate precautions to protect freshly placed concrete from extreme temperatures to ensure proper curing.

 Ensure that subgrade is moist when concrete is poured. Install foundation drains or weep holes where needed to protect against uplift and Provide transverse(contraction) joints to control cracking at approximately 20-fe • Install expansion joints at intervals not to exceed 100 feet.

4. Rock riprap linings should be installed per the standards and specifications outlined on following sheets. 5. Place filters, bedding's, and foundation drains to line and grade in the manner

specified. Place filter and bedding materials immediately after slope preparation. every 3 feet along the overlap.

6. For synthetic filter fabrics, overlap the downstream edge by at least 12 inches with the upstream edge which is buried a minimum 12 inches in a trench. Space anchor pins Spread granular materials in a uniform layer. When more than one gradation is required, spread the layers so there is minimal mixing.

8. Filter material should consist of a least 3 inches of material on all sides of the drain pipe. The drain pipe conduit should be a minimum of 4 inches in diameter. 9. Perform all channel construction to keep erosion and water pollution to a minimum. Immediately vegetate all disturbed areas or otherwise protect them against soil erosion

1. Inspect channels at least weekly and after each rainfall of 1.0 inch or greater and make repairs promptly. Give special attention to the outlet and inlet sections and other points where concentrated flow enters. Carefully check stability at road crossings, looking for indication of piping, scour holes, or bank failures. Make any repairs immediately. 3. Maintain all vegetation adjacent to the channel in a healthy, vigorous condition.

> In accordance with the 2013 Design Manual Updates

RIPRAP CHANNELS

RIPRAP AND PAVED CHANNELS

FILTER LAYER, GRAVEL OR FABRIC

\* Skimmer shown in floating position 4" Sch 40 coupling connection to 4" Sch 40 coupling connection to be attached to a 4" outlet structure. PRE-ASSEMBLED be attached to a 4" outlet structure. 2 3" Flex hose with 3" female coupling 2" Flex hose with 2" female coupling to be connected to barrel pipe. to be connected to barrel pipe. 3" Sch 40 solid PVC barrel (SUPPLIED BY USER). 3 2" Sch 40 solid PVC barrel (SUPPLIED BY USER). Barrel kit can be purchased separately. Barrel kit can be purchased separately. 4" PVC float. 3" PVC float. 2" Vent with ORANGE tip 2" Vent with BLUE tip. 6 Inlet assembly with aluminum screen that houses 6 Inlet assembly with aluminum screen that house 4" adjustable orifice gate. 3" adjustable orifice gate. 1/8" inch HDPE blue skirts. 1/8" inch HDPE blue skirts. 4" Head (distance from center of inlet to water surface). 3" Head (distance from center of inlet to water surface). 3" Inlet extension. 3" SKIMMER 4" SKIMMER

WIDE BY 8" DEEP TRENCH WITH COMPACTED FILL BAFFLE DETAIL – INLET ZONE – 25% OF SURFACE AREA FIRST CHAMBER — 25% OF SURFACE AREA

25% OF SURFACE AREA PERSPECTIVE VIEW CONSTRUCTION SPECIFICATION 1. GRADE THE BASIN SO THAT THE BOTTOM IS LEVEL FRONT TO BACK AND SIDE TO SIDE.

SECOND CHAMBER -

25% OF SURFACE AREA

- COIR EROSION

ANCHOR MATERIAL IN 4"

FABRIC

BASIN AS SHOWN. 3. STEEL POSTS SHOULD BE DRIVEN TO A DEPTH OF 24 INCHES, SPACED A MAXIMUM OF 4 FEET APART, AND INSTALLED UP THE SIDES OF THE BASIN AS WELL. THE TOP OF THE FABRIC SHOULD BE 6 INCHES HIGHER THAN THE INVERT OF THE SPILLWAY. TOPS OF BAFFLES SHOULD BE 2 INCHES LOWER THAN THE TOP OF THE BERMS. 4. BAFFLE MATERIAL SHALL BE 700 G/M2 COIR EROSION FABRIC

2. INSTALL POSTS ACROSS THE WIDTH OF THE SEDIMENT TRAP, SEDIMENT BASIN AND/OR SKIMMER

5. INSTALL AT LEAST THREE ROWS OF BAFFLES BETWEEN THE INLET AND OUTLET DISCHARGE POINT. BASINS LESS THAN 20 FEET IN LENGTH MAY USE 2 BAFFLES THAT DIVIDES THE BASIN IN THIRDS. 6. ADD A SUPPORT WIRE OR ROPE ACROSS THE TOP OF THE MEASURE TO PREVENT SAGGING. 7. WRAP BAFFLE MATERIAL OVER THE TOP WIRE. ATTACH FABRIC TO A ROPE AND A SUPPORT STRUCTURE WITH ZIP TIES, WIRE, OR STAPLES. USE 3 TIES PER POST ALL WITHIN TOP 8" OF

8. THE BOTTOM AND SIDES OF THE FABRIC SHOULD BE ANCHORED IN A TRENCH 8" DEEP. IN LIEU OF EXCAVATING A TRENCH, THE FABRIC MAY BE INSTALLED WITH A PIECE OF EQUIPMENT SPECIFICALLY DESIGNED TO SLICE THE GROUND WITH A DISC

9. DO NOT SPLICE THE FABRIC, BUT USE A CONTINUOUS PIECE ACROSS THE BASIN.

HALF THE DESIGNED STORAGE DEPTH.

**EXCAVATED WASHOUT STRUCTURE** 

1. LOCATE WASHOUT STRUCTURE A MINIMUM OF 50 FEET AWAY FROM OPEN CHANNELS, STORM DRAIN INLETS,

SENSITIVE AREAS, WETLANDS, BUFFERS AND WATER COURSES AND AWAY FROM CONSTRUCTION TRAFFIC.

2. SIZE WASHOUT STRUCTURE FOR VOLUME NECESSARY TO CONTAIN WASH WATER AND SOLIDS AND MAINTAIN AT

- CLASS B OR

CLASS 1

MAINTENANCE INSPECT BAFFLES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.

STAPLES

10ML PLASTIC-

 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

**TACKING RATES TEMPORARY POROUS BAFFLE** NCDEQ STANDARD 6.14 NCDEQ STD. 6.65

FENCE

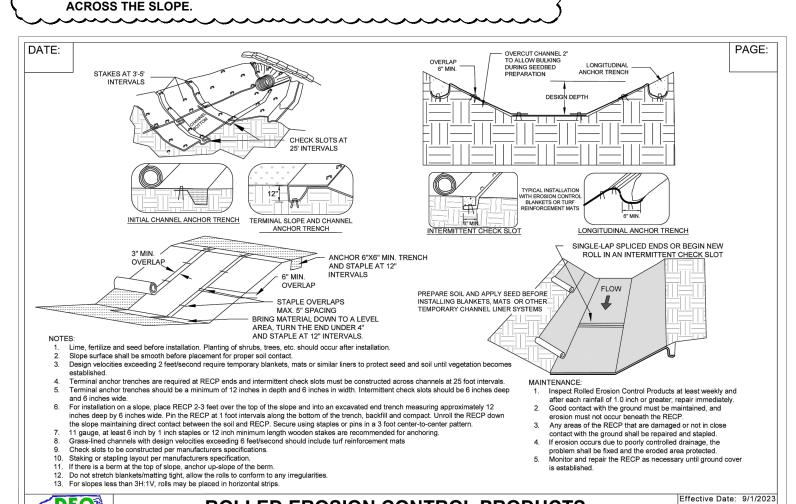
FLATTER

SIDE

SECTION A-A

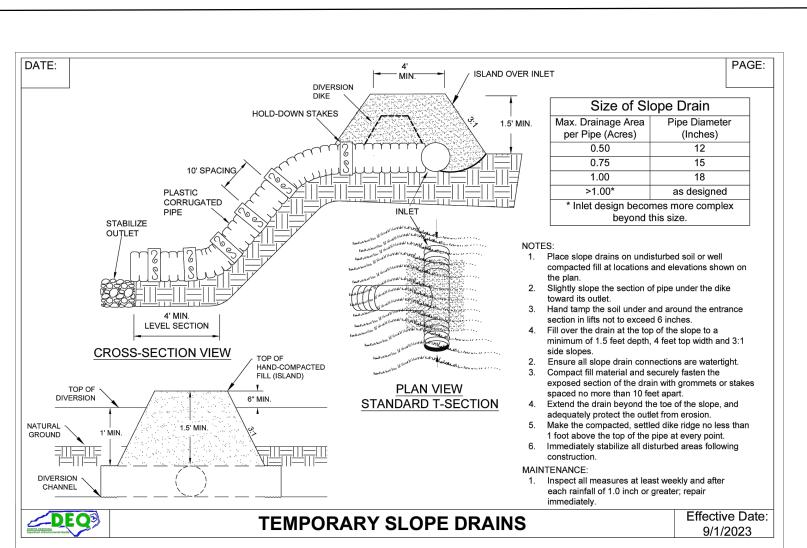
**EROSION CONTROL BLANKET NOTE:** ALL DISTURBED AREAS WITH GRADED SLOPES AT 3:1 OR STEEPER SHALL RECEIVE THE FOLLOWING EROSION CONTROL BLANKET: • 70% STRAW FIBER (.35 LBS/SQ YRD.) 30% COCONUT FIBER (0.15 LBS/SY)

 NETTING ON BOTH SIDES, LENO WOVEN, 100% BIODEGRADABLE ORGANIC JUTE FIBER, 9.3 LBS./1000 SQ. FT. • STAPLE WITH .11 GA, 8" U STAPLES AT 2' O.C. DOWN THE SLOPE AND 1.6' O.C.



ROLLED EROSION CONTROL PRODUCTS **EROSION CONTROL PRODUCTS** 

NCDEQ STD. 6.17



TEMPORARY SLOPE DRAIN

2. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR SPECIFIC MAINTENANCE REQUIREMENTS. 3. PROVIDE STABILIZED OUTLET TO STREAM BANK. 4. WOOD PALLETS MAY BE USED IN LIEU OF STONE AND GEOTEXTILE AS DIRECTED. A SUFFICIENT NUMBER OF PALLETS MUST BE PROVIDED TO ELEVATE THE ENTIRE PUMP FILTER BAG FOR DEWATERIN EFFLUENT PER ABOVE NATURAL GROUND. MANUFACTURES RECOMMENDATIONS 15' TO 20' MAINTENANCE: REPLACE AND DISPOSE OF FILTER CONNECT PUMP — 4" MINIMUM OF #57 BAG(S) WHEN IT IS \( \frac{3}{4} \) FULL OF EFFLUENT PER STONE BASE, EXTENDED SEDIMENT OR WHEN IT IS MANUFACTURES 24" BEYOND OF SILT IMPRACTICAL FOR BAG TO FILTER BAG RECOMMENDATIONS SEDIMENT. BAG ON ALL SIDES PROVIDE A SUFFICIENT QUANTITY OF FILTER BAGS TO CONTAIN SILT FROM PUMPED EFFLUENT. ARRARARARARARARA FLOATING INTAKE TO PUMP TO BE LOCATED IN SKIMMER CELL FILTER BAG FOR DEWATERING

LEAST 4 INCHES OF FREEBOARD. TYPICAL DIMENSIONS ARE 10 FEET X 10 FEET X 3 FEET DEEP. 3. PREPARE SOIL BASE FREE OF ROCKS OR OTHER DEBRIS THAT MAY CAUSE TEARS OR HOLES IN THE LINER. FOR LINER, USE 10 MIL OR THICKER UV RESISTANT, IMPERMEABLE SHEETING, FREE OF HOLES AND TEARS OR OTHER DEFECTS THAT COMPROMISE IMPERMEABILITY OF THE MATERIAL. 4. PROVIDE A SIGN FOR THE WASHOUT IN CLOSE PROXIMITY TO THE FACILITY. 5. KEEP CONCRETE WASHOUT STRUCTURE WATER TIGHT. REPLACE IMPERMEABLE LINER IF DAMAGED (E.G., RIPPED OR PUNCTURED). EMPTY OR REPLACE WASHOUT STRUCTURE THAT IS 75 PERCENT FULL, AND DISPOSE OF ACCUMULATED MATERIAL PROPERLY. DO NOT REUSE PLASTIC LINER. WET-VACUUM STORED LIQUIDS THAT HAVE NOT EVAPORATED AND DISPOSE OF IN AN APPROVED MANNER. PRIOR TO FORECASTED RAINSTORMS, REMOVE LIQUIDS OR COVER STRUCTURE TO PREVENT OVERFLOWS. REMOVE HARDENED SOLIDS, WHOLE OR BROKEN UF FOR DISPOSAL OR RECYCLING. MAINTAIN RUNOFF DIVERSION AROUND EXCAVATED WASHOUT STRUCTURE UNTIL **CONCRETE WASHOUT STATION** 

#5 WASHED STONE

1' THICK X 2X HIGH (MIN.)

CONSTRUCTION SPECIFICATIONS/MAINTENANCE

PAGE

Effective Date: 9/1/2023

In accordance with the 2013

Design Manual Updates

MARKED

SIGNAGE

NOTING **DEVICE** 

CONCRETE

WASHOUT

(18"x24" MIN.)

(TYP.)

\*SEE EROSION CONTROL PLAN

FOR METHOD

OF DISCHARGE

EARTH BERM -

(SEE EROSION

CONTROL PLAN)

1' FREEBOARD AT ALL TIMES

SPILLWAY ABOVE BAFFLES

1. Clear, grub and strip the area under the embankment of all vegetation and root mat. Remove all surface soil

to the designated disposal area. Place temporary sediment control measures below basin as needed

3. Place the barrel on a firm, smooth foundation of impervious soil. Do not use pervious material such as sand,

4. Place a minimum depth of 2 feet compacted backfill over the pipe spillway before crossing with construction

5. Ensure that the flow length to basin width ratio is at least 2:1 to improve trapping efficiency. Length is measured

Assemble the skimmer following manufacturers instructions or as designed and lay on the bottom of the basin

with the flexible joint at the inlet of the barrel pipe. Attach the flexible joint to the barrel pipe and position the

skimmer over the excavated pit or support. Be sure to attach a rope and anchor it to the side of the basin. This

Install the spillway in undisturbed soil to the greatest extent possible. The spillway should be lined with laminated

plastic or impermeable geotextile fabric. The fabric must be wide and long enough to cover the bottom and sides

and extend onto the top of the dam for anchoring in a trench. The edges may be secured with 8-inch staples or

outlet protection to divert sediment-laden water to the upper end of the pool area to improve basin trap efficiency.

8. Filter fabric must be long enough to extend down the slope and exit onto stable ground. The width of the fabric

9. The upper section(s) should overlap the lower section(s) so that water cannot flow under the fabric. Secure the

10. Discharge water into the basin in a manner to prevent erosion. Use temporary slope drains or diversions with

11. Stabilize the emergency spillway embankment and all other disturbed areas above the crest of the principal

1. Inspect all measures at least weekly and after each rainfall of 1.0 inch or greater. Make necessary repairs

Excavate the sediment from the entire basin, not just around the skimmer or within the first cell.

Make sure any vegetation growing in the bottom of the basin does not hold down the skimmer.

flushing with clean water. Be sure to replace the orifice before repositioning the skimmer.

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 can be excavated.

Repair baffles if they are damaged. Re-anchor the baffles if water is flowing underneath or around them.

If the skimmer arm or barrel pipe is clogged, remove orifice and clear debris with a plumber's snake or by

Check 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

must be one piece, not joined or spliced; otherwise water can get under the fabric.

compact it under and around the pipe to at least the same density as the adjacent embankment.

at the elevation of the principal spillway.

spillway immediately after construction.

will be used to pull the skimmer to the side for maintenance.

upper edge and sides of the fabric in a trench with staples or pins.

Ensure the skimmer is not clogged with trash or debris.

2. Place the fill in lifts not to exceed 9 inches, and machine compact it. Over fill the embankment 6 inches to allow

containing high amounts of organic matter and stockpile or dispose of it properly. Haul all objectionable material

gravel, or crushed stone as backfill around the pipe. Place the fill around the pipe spillway in 4-inch layers and

**EMERGENCY** 

6" MIN INVERT ELEVATION OF EMERGENCY

4' MAX. NCDOT #5 OR #57 ---WASHED STONE 19-GUAGE HARDWARE CLOTH 1/4" MESH OPENINGS) NCDOT #5 OR #57 WASHED STONE FIGURE 6.5IA HARDWARE CLOTH AND **GRAVEL INLET PROTECTION PLAN** 

**CONSTRUCTION SPECIFICATIONS** 

 UNIFORMLY GRADE A SHALLOW DEPRESSION APPROACHING INLET. 2. DRIVE 5-FOOT STEEL POSTS 2 FEET INTO THE GROUND SURROUNDING THE INLET. SPACE POST EVENLY AROUND THE PERIMETER OF THE INLET, A MAXIUM OF 4 FEET APART. . SURROUND THE POSTS WITH WIRE MESH HARDWARE CLOTH. SECURE THE WIRE MESH TO THE STEEL POSTS AT THE TOP, MIDDLE, AND BOTTOM. PLACING A 2-FOOT FLAP OF WIRE MESH UNDER THE

GRAVEL FOR ANCHORING IS RECOMMENDED. 4. PLACE CLEAN GRAVEL (NCDOT#5 OR #57 STONE) ON A 2:1 SLOPE WITH A HEIGHT OF 16 INCHES AROUND THE WIRE, AND SMOOTH TO AN EVEN GRADE. ONCE THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED, REMOVE ACCUMULATED SEDIMENT, AND

ESTABLISH FINAL GRADING ELEVATIONS. 6. COMPACT THE AREA PROPERLY AND STABILIZED IT WITH GROUNDCOVER.

<u>MAINTENANCE</u>

DATE:

**PVC ELBOW** 

PVC END -

PVC END ~

CAP

PVC /

INFLOW -

AVERAGE WIDTH (W) = -

I DRAINAGE IDENUDED

(AC.) (AC.)

BASIN AREA AREA

\* AREA OF BASIN WATER SURFACE AT TOP

OF PRINCIPAL SPILLWAY ELEVATION

BASIN VOLUME

**TEMPORARY SKIMMER BASIN** 

STRUCTURE

CAP

PERSPECTIVE VIEW

WATER SURFACE

SCHEDULE T

FRONT VIEW

40 PVC PIPE

ARM ASSEMBLY

HOLES IN

HOSE

**FLEXIBLE** 

**END VIEW** 

UNDERSIDE

"C" ENCLOSURE

PVC VENT PIPE

**BOTTOM SURFACE** 

**FNTRY UNIT** 

STRUCTURE

DEWATERING

WOOD STAKE OR METAL

POST FOR RETRIEVAL

ROPE TIE-OFF

**SKIMMER SEDIMENT BASIN** 

(FT.) (FEET) (FEET) (FEET) (FEET) Ø (IN.) Ø (IN.)

1. CONTRACTOR TO ENSURE SILT

BAG IS ADEQUATELY SIZED FOR

~ ROPE

- SKIMMER

DEVICE

(BELOW SKIMMER)

DEPTH |

└ STONE PAD

DATA BLOCK

3.3 2.1 11.3 5940 8034 4911 5068 2 3 4.5 120 1.5 58 4 1

-4" MINIMUM OF #57 STONE BASE EXTENDED 24" BEYOND OF SILT

BAG ON ALL SIDES

| 2 | 1.5 | 1 |5.95 | 2700 | 3860 | 2588 | 2600 | 2 | 3 |4.5 | 89 | 1.5 | 35 | 3 | 0.75

SURFACE AREA

|REQUIRED | PROVIDE | REQUIRED | PROVIDE |

(CU. FT.) (CU. FT.) (SQ. FT.) (SQ. FT.)

DEWATERING

ZONE

FILTER -

SEDIMEN.

STORAGE ZONE

FABRIC

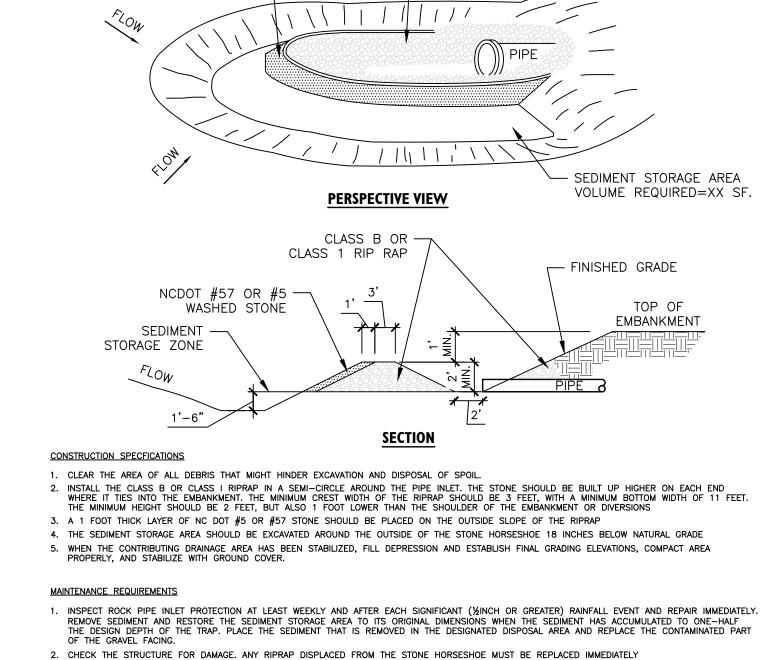
INSPECT INLETS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2 INCH OR GREATER) RAINFALL EVENT. CLEAR THE MESH WIRE OF ANY DEBRIS OR OTHER OBJECTS TO PROVIDE ADEQUATE FLOW FOR SUBSEQUENT RAINS. TAKE CARE NOT TO DAMAGE OR UNDERCUT THE WIRE MESH DURING SEDIMENT REMOVAL. REPLACE STONE AS NEEDED.

<u>REFERENCES</u>

INLET PROTECTION 6.52, BLOCK AND GRAVEL INLET PROTECTION 6.54, ROCK DOUGHNUT INLET PROTECTION

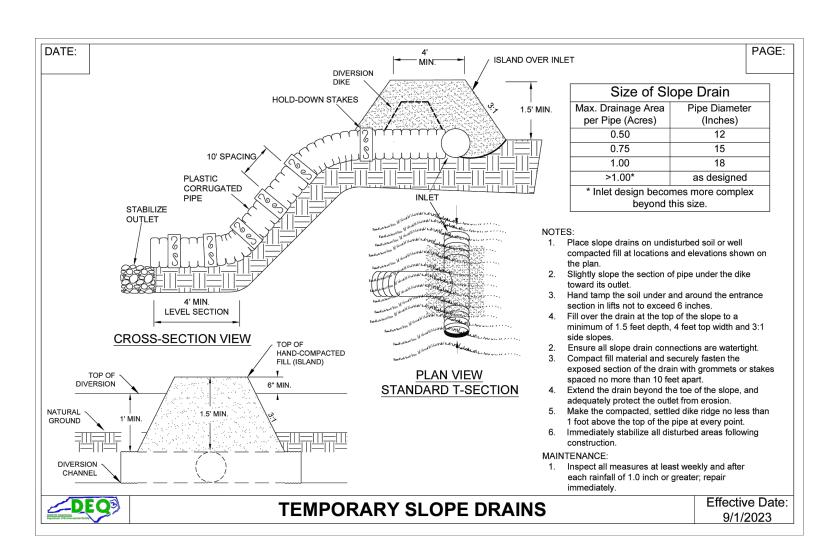
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION FOR ROADS AND STRUCTURES

HARDWARE CLOTH AND GRAVEL INLET PROTECTION



3. AFTER ALL THE SEDIMENT-PRODUCING AREAS HAVE BEEN PERMANENTLY STABILIZED, REMOVE THE STRUCTURE AND ALL THE UNSTABLE SEDIMENT. SMOOTH THE AREA TO BLEND WITH THE ADJOINING AREAS AND PROVIDE PERMANENT GROUND COVER

**TEMPORARY FILTER BERM BASIN** 



Sheet Title:

SITE **CONSTRUCTION DETAILS** 

Project No: 1725-500672.00

11.20.2025

12.08.25

Date:

Revisions:

/1\ Addendum #1

- . A STABILIZED ENTRANCE PAD OF 2"-3" COURSE AGGREGATE SHALL BE LOCATED WHERE TRAFFIC WILL ENTER OR LEAVE THE CONSTRUCTION SITE ONTO A PUBLIC STREET.
- FILTER FABRIC OR COMPACTED CRUSHER RUN STONE MAY BE USED AS A BASE FOR THE CONSTRUCTION ENTRANCE. IF CONDITIONS AT THE SITE ARE SUCH THAT MOST OF THE MUD AND SEDIMENT ARE NOT REMOVED BY VEHICLES TRAVELING OVER THE GRAVEL, THE TIRES SHALL BE WASHED. WASHING SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS IN A SEDIMENT TRAP OR OTHER SUITABLE DISPOSAL AREA. A WASH RACK MAY ALSO BE USED.

4. SOIL STABILIZATION FABRIC (AS SPECIFIED BY THE DESIGNER) SHALL BE USED.

2 ½" DIA. GALVANIZED

**ELEVATION** 

FENCE POSTS

## **MAINTENANCE NOTES:**

MAINTAIN THE GRAVEL PAD IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. THIS MAY REQUIRE PERIODIC TOPDRESSING WITH 2-INCH STONE. AFTER EACH RAINFALL, INSPECT ANY STRUCTURE USED TO TRAP SEDIMENT AND CLEAN IT OUT AS NECESSARY. IMMEDIATELY REMOVE ALL OBJECTIONABLE MATERIALS SPILLED, WASHED, OR TRACKED ONTO PUBLIC ROADWAYS.

FENCE MESH

OF FABRIC

FLOW

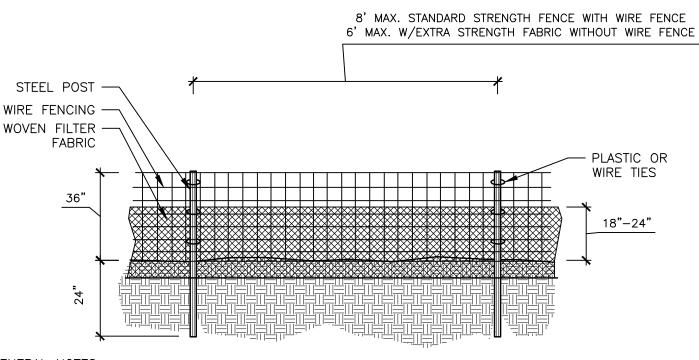
FABRIC

WOVEN GEOTEXTILE

16" MIN. OVERLAP

TRENCH IN FABRIC

& MESH 8" MIN.



STEEL POST

WIRE FENCING

FABRIC of

WOVEN FILTER

THOROUGHLY

# **GENERAL NOTES:**

- 1. FILTER FABRIC FENCE SHALL BE A MINIMUM OF 32" IN WIDTH AND SHALL HAVE A MINIMUM OF 6 LINE WIRES
- WITH 12" STAY SPACING. 2. WOVEN FILTER FABRIC BE USED WHERE SILT FENCE IS TO REMAIN FOR A PERIOD OF MORE THAN 30 DAYS. 3. STEEL POSTS SHALL BE 5'-0" IN HEIGHT AND BE OF THE SELF-FASTENER ANGLE STEEL TYPE.

4. WIRE FENCING SHALL BE AT LEAST #10 GAGE WITH A

FENCE (WITHIN 5 FT.) WHEN GRADING IS ADJACENT TO

SWIM BUFFERS OR WETLANDS (REFER TO SWIM BUFFER

MINIMUM OF 6 LINE WIRES WITH 12" STAY SPACING. 5. TURN SILT FENCE UP SLOPE AT ENDS. 6. WIRE MESH SHALL BE MIN. 13 GAGE WITH MAXIMUM 12" OPENINGS. 7. ORANGE SAFETY FENCE IS REQUIRED AT BACK OF SILT

# MAINTENANCE NOTES:

GUIDELINES).

- 1. INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.
- 2. SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY. 3. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE

END OF FLARED

END OF APRON

0% SLOPE

**ELEVATION** 

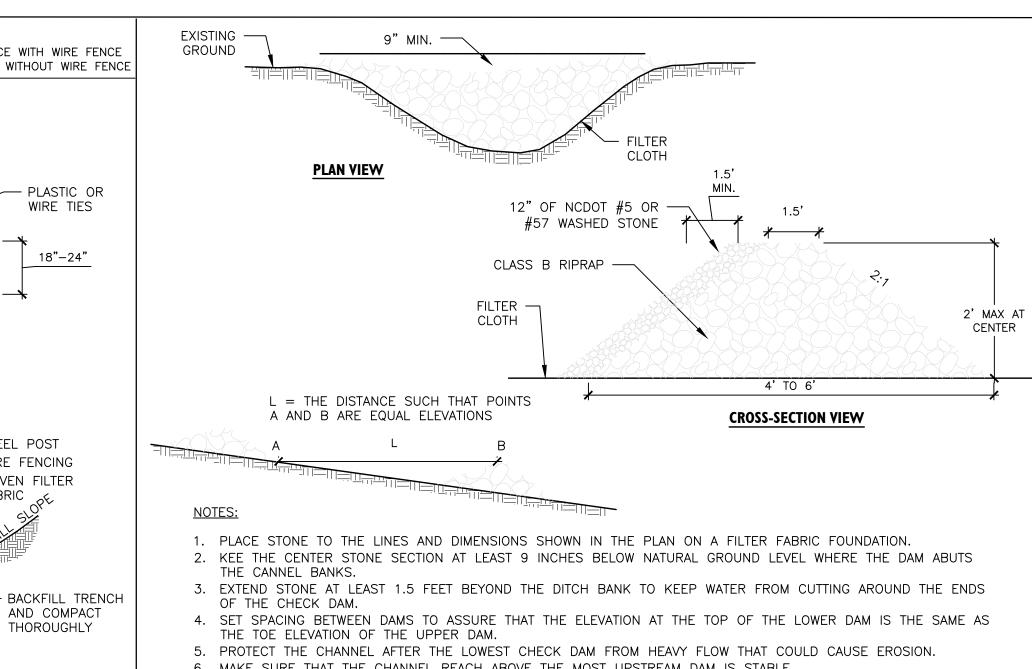
FILTER FABRIC AP

(IF NEEDED)

SECTION

VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT 4. REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING

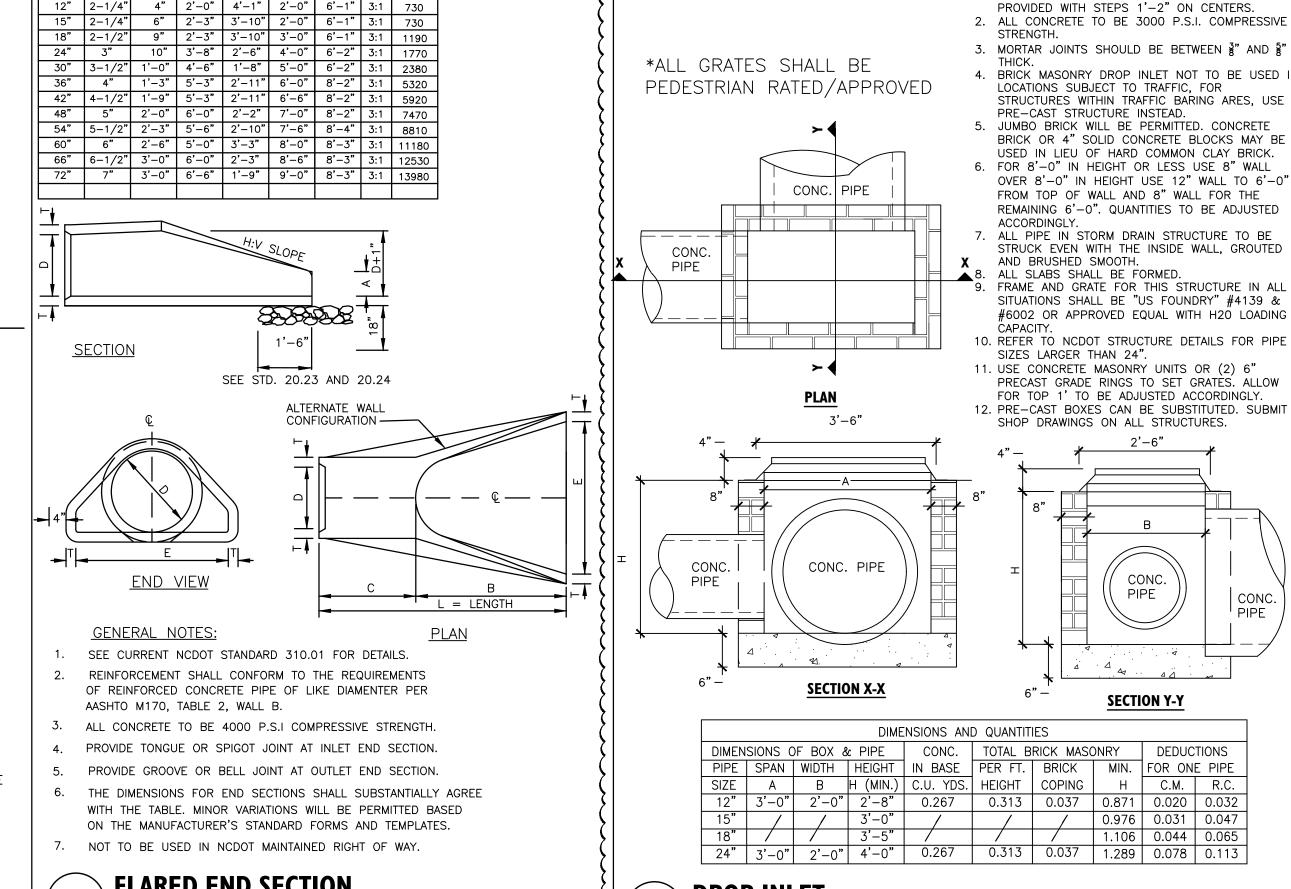
DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.



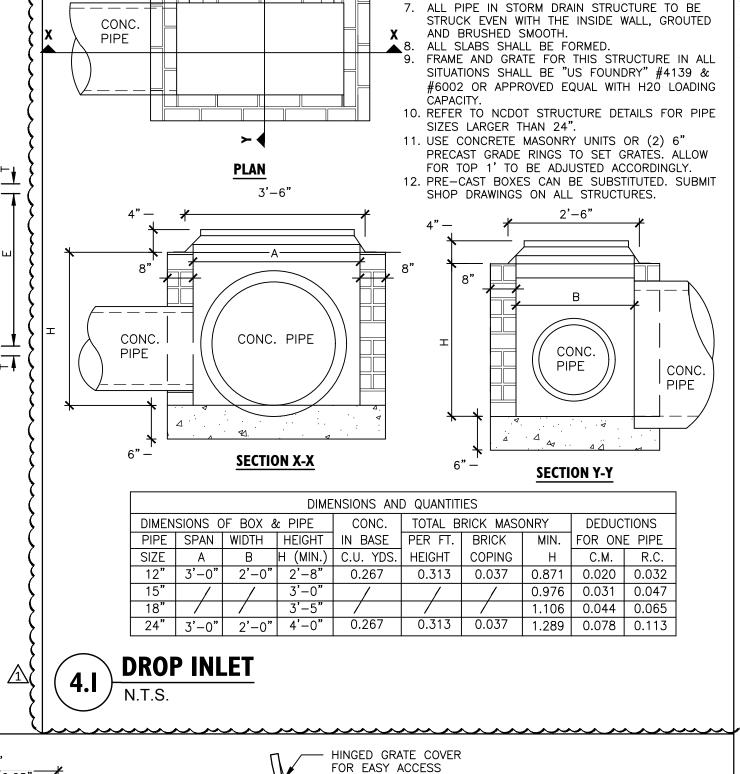
6. MAKE SURE THAT THE CHANNEL REACH ABOVE THE MOST UPSTREAM DAM IS STABLE. 7. ENSURE THAT OTHER AREAS OF THE CHANNEL, SUCH AS CULVERT ENTRANCES BELOW THE CHECK DAMS, ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FORM DISPLACED STONES. MAINTENANCE NOTES:

- 1. INSPECT CHECK DAMS AND CHANNELS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT ( $rac{1}{2}$  INCH OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY. CLEAN OUT SEDIMENT STRAW, LIMBS, OR OTHER DEBRIST THAT COULD CLOG THE
- 2. 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, ADDITIONAL MEASURES CAN BE TAKEN AS, INSTALLING A PROTECTIVE RIP RAP LINER IN THAT PORTION OF THE CHANNEL. (PRACTICE 6.31, RIPRAP-LINE AND PAVED CHANNELS).
- 3. 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.





D T A B C E L H:V WT.

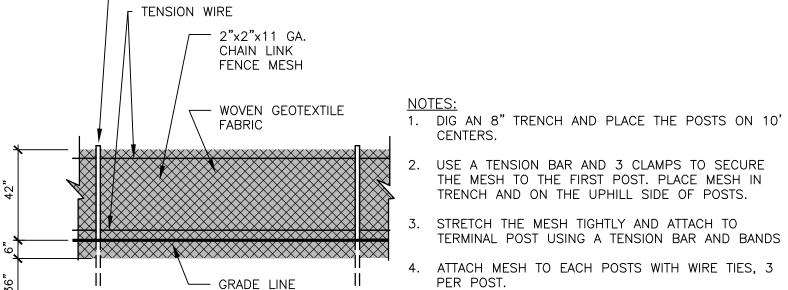


1. ALL DROP INLETS OVER 3'-6" IN DEPTH TO BE

Seals:

Corp. NC License: F-1320

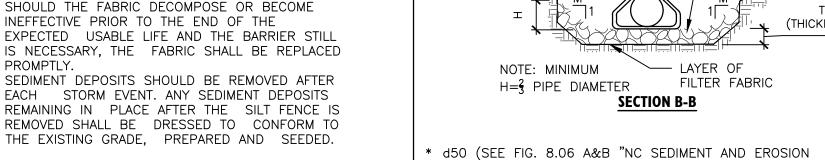




- 5. RUN TENSION WIRE AT TOP AND BOTTOM OF THE MESH. ATTACH THE MESH TO THE TENSION WIRE USING HOG RINGS 5' ON CENTER.
- 6. ATTACH THE SILT FENCE FABRIC TO THE MESH USING PLASTIC WIRE TIES 2' ON CENTER TOP AND

# FENCE POSTS MAINTENANCE NOTES:

- 1. FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS NEEDED SHALL BE MADE IMMEDIATELY. 2. SHOULD THE FABRIC DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL
- 3. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS REMOVED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.



GRADE

CONTROL MANUAL" DMAX = 1.5 X d50

T = 1.5 X DMAX

DESIGN DATA TAKEN FROM THE USDA NOMOGRAPH LOCATED IN 1. CLASS OR MEDIAN SIZE OF RIPRAP AND LENGTH, WIDTH AND THE NC SEDIMENT AND EROSION CONTROL MANUAL DEPTH OF APRON TO BE DESIGNED BY THE ENGINEER. SIZES PRESENTED IN SECTION 2 OF THE EROSION CONTROL 2. REFER TO THE NORTH CAROLINA DEPARTMENT OF

SEDIMENT CONTROL PLANNING AND DESIGN MANUAL FOR RIPRAP APRON DESIGN STANDARDS. 3. RIPRAP SHOULD EXTEND UP BOTH SIDES OF THE APRON AND AROUND THE END OF THE PIPE OR CULVERT AT THE DISCHARGE OUTLET AT A MAXIMUM SLOPE OF 2:1 AND A HEIGHT NOT LESS THAN TWO THIRDS THE PIPE DIAMETER OR CULVERT HEIGHT

ENVIRONMENT AND NATURAL RESOURCES' EROSION AND

4. THERE SHALL BE NO OVERFLOW FROM THE END OF THE APRON TO THE SURFACE OF THE RECEIVING CHANNEL AREA TO BE PAVED OR RIPRAPPED SHALL BE UNDERCUT SO THAT THE INVERT OF THE APRON SHALL BE ATTHE SAME GRADE (FLUSH) WITH THE SURFACE OF THE RECEIVING CHANNEL. THE APRON SHALL HAVE A CUTOFF OR TOE WALL

- AT THE DOWNSTREAM END. 5. THE WIDTH OF THE END OF THE APRON SHALL BE EQUAL TO THE BOTTOM WIDTH OF THE RECEIVING CHANNEL. MAXIMUM TAPER TO RECEIVING CHANNEL 5:1
- 6. ALL SUBGRADE FOR STRUCTURE TO BE COMPACTED TO 95% OR GREATER.
- 7. THE PLACING OF FILL, EITHER LOOSE OR COMPACTED IN THE 8. NO BENDS OR CURVES IN THE HORIZONTAL ALIGNMENT OF
- 9. FILTER FABRIC SHALL BE INSTALLED ON COMPACTED SUBGRADE PRIOR TO PLACEMENT OF RIP RAP.

THE APRON WILL BE PERMITTED.

10. ANY DISTURBED AREA FROM END OF APRON TO RECIEVING CHANNEL MUST BE STABILIZED.

## MAINTENANCE NOTES: . RIPRAP SHOULD BE INSPECTED PERIODICALLY FOR SCOUR OR DISLODGED STONES. CONTROL OF WEED AND

<u>SEEDING DATES</u> MOUNTAINS-ABOVE 2500 FEET: FEB. 15 - MAY 15

PIEDMONT-JAN, 1 - MAY 1

ANCHORING TOOL.

OTHER DAMAGE.

COASTAL PLAIN-DEC. 1 - APRIL 15

BELOW 2500 FEET: FEB. 1 - MAY 1

FOLLOW SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND

AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10-10-10 FERTILIZER.

APPLY 4,000 LB/ACRE STRAW. ANCHOR STRAW BY TACKING WITH

ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH

REFERTILIZE, AND MULCH IMMEDIATELY FOLLOWING EROSION OR

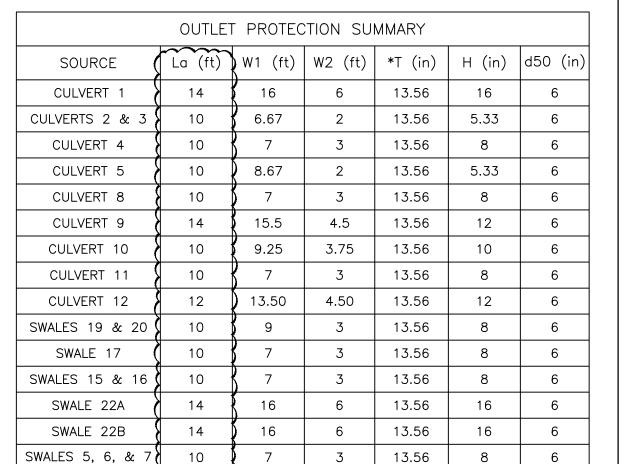
REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED,

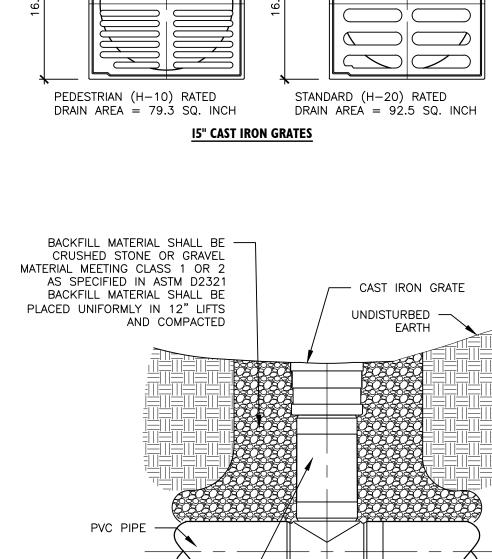
TEMPORARY SEEDING RECOMMENDATIONS

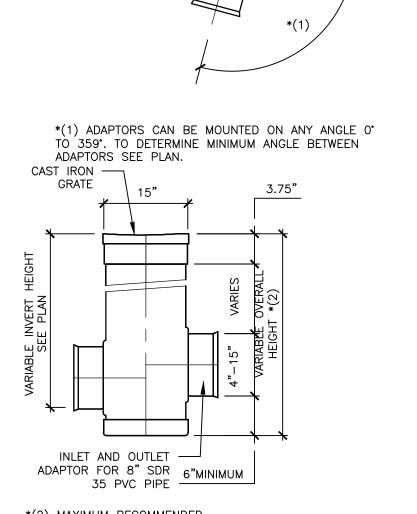
FOR LATE WINTER AND EARLY SPRING

BRUSH GROWTH MAY BE NEEDED IN SOME LOCATIONS.

RATE (LB/ACRE)







MATERIAL: CAST IRON

BLACK PAINT

ASTM A48 - CLASS 30B

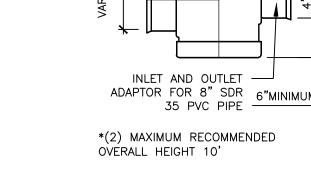
QUALITY: MATERIAL SHALL CONFORM TO

PAINT: CASTINGS ARE FURNISHED WITH A

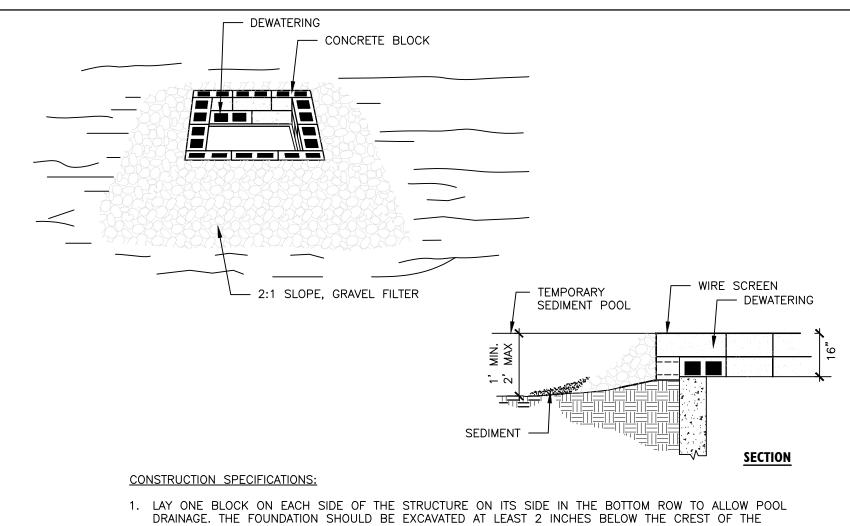
**\ I5" AREA DRAIN** 

RISER 8" -

DIA. MIN.



# TEMPORARY SUPER SILT FENCE



STORM DRAIN. PLACE THE BOTTOM ROW OF BLOCKS AGAINST THE EDGE OF THE STORM DRAIN FOR LATERAL SUPPORT AND TO AVOID WASHOUTS WHEN OVERFLOW OCCURS. IF NEEDED, GIVE LATERAL SUPPORT TO SUBSEQUENT ROWS BY PLACING 2 X 4 WOOD STUDS THROUGH BLOCK OPENINGS. 2. CAREFULLY FIT HARDWARE CLOTH OR COMPARABLE WIRE MESH WITH  $\frac{1}{2}$  INCH OPENINGS OVER ALL BLOCK

OPENINGS TO HOLD GRAVEL IN PLACE. 3. USE CLEAN #57 STONE, ₹ TO ½ INCH IN DIAMETER, PLACED 2 INCHES BELOW THE TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER AND SMOOTH IT TO AN EVEN GRADE.

# MAINTENANCE NOTES:

1. INSPECT, CLEAN, AND PROPERLY MAINTAIN THE EXCAVATED BASIN AFTER EVERY STORM UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED. TO PROVIDE SATISFACTORY BASIN EFFICIENCY, REMOVE SEDIMENT WHEN THE VOLUME OF THE BASIN HAS BEEN REDUCED BY ONE-HALF. SPREAD ALL EXCAVATED MATERIAL EVENLY OVER THE SURROUNDING LAND AREA OR STOCKPILE AND STABILIZE

**NOTE OF A PROPERTY OF A PROPE** 



ANCHORING TOOL.

PIEDMONT-MAY 1 - AUG. 15

COASTAL PLAIN-APR. 15 - AUG. 15

SEEDING MIXTURE SPECIES RATE (LB/ACRE) RYE (GRAIN) RYE (GRAIN) ANNUAL LESPEDEZA (KOBE IN PIEDMONT AND COSTAL PLAIN, KOREAN IN MOUNTAINS) COASTAL PLAIN AND PIEDMONT-AUG. 15 - DEC. 30 OMIT ANNUAL LESPEDEZA WHEN DURATION OF TEMPORARY COVER IS NOT TO EXTEND BEYOND JUNE.

FOLLOW SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 1,000 LB/ACRE 10-10-10 FERTILIZER. APPLY 4,000 LB/ACRE STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH

REPAIR AND RE-FERTILIZE DAMAGED AREAS IMMEDIATELY TOPDRESS WITH 50 LB/ACRE OF NITROGEN IN MARCH. IF NECESSARY TO EXTENT TEMPORARY COVER BEYOND JUNE 15, OVERSEED WITH 50 LB/ACRE KOBE (PIEDMONT AND COSTAL PLAIN) OR KOREAN (MOUNTAINS) LESPEDEZA IN LATE FEBRUARY OR EARLY

BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH

BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH

# TEMPORARY SEEDING RECOMMENDATIONS FOR FALL

RATE (LB/ACRE) GERMAIN MILLET

IN THE PIEDMONT AND MOUNTAINS, A SMALL-STEMMED SUDANGRASS MAY BE SUBSTITUTED AT A RATE OF 50 LB/ACRE SEEDING DATES
MOUNTAINS-MAY 15 - AUG. 15

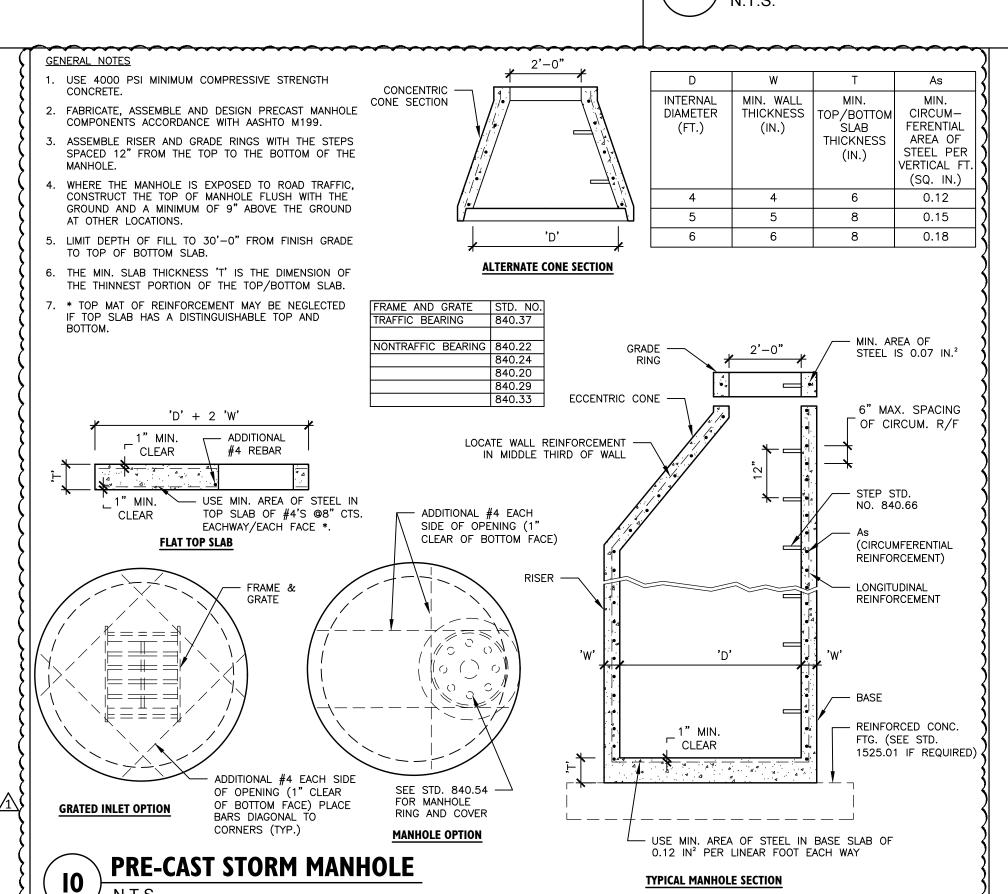
FOLLOW SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10-10-10 FERTILIZER.

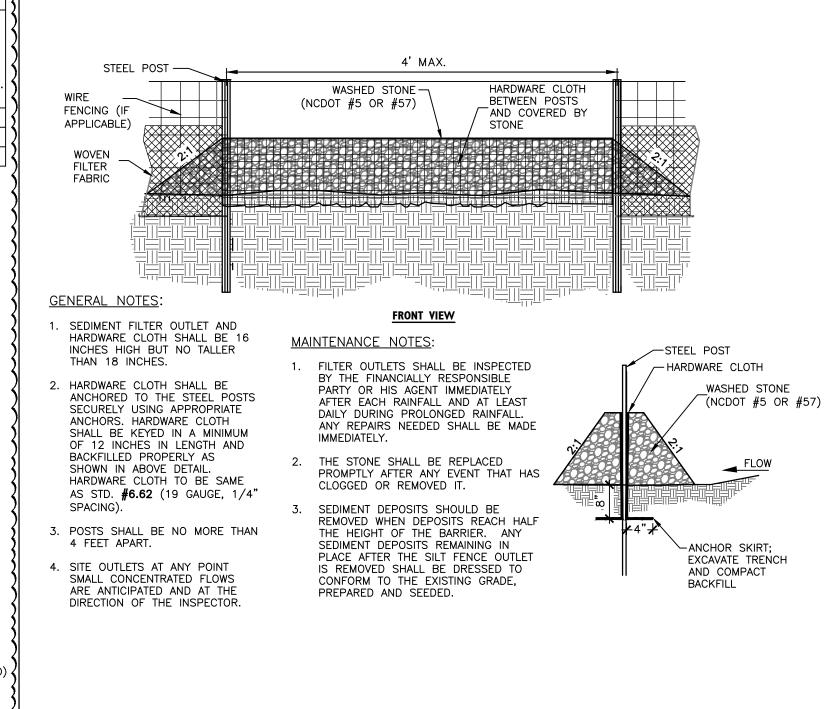
APPLY 4,000 LB/ACRE STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL

TEMPORARY SEEDING RECOMMENDATIONS FOR SUMMER

REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE, AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

**TEMPORARY SEEDING SPECIFICATIONS** 





**TEMPORARY STONE OPENING IN SILT FENCE** 

Project No: 1725-500672.00 11.20.2025 Revisions: <u>∕1</u>\ Addendum #1 12.08.25

Sheet Title:

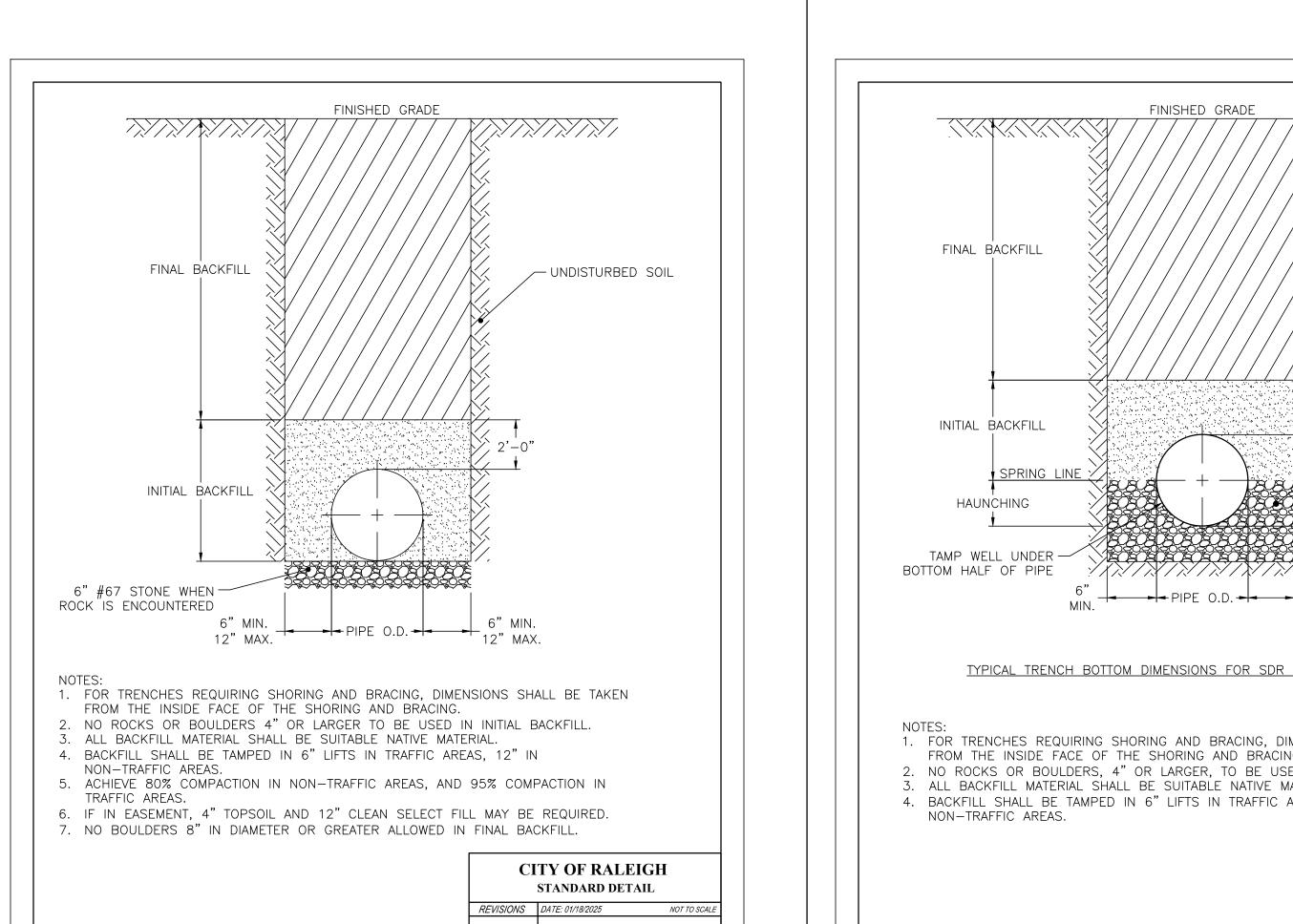
SITE **CONSTRUCTION DETAILS** 

Project No: 1725-500672.00 11.20.2025 Date:

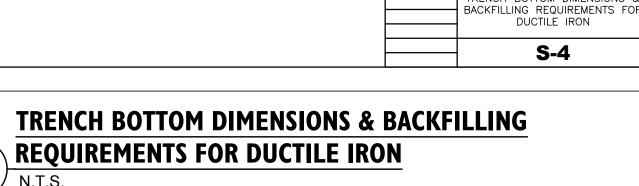
Revisions: 12.08.25 Addendum #1

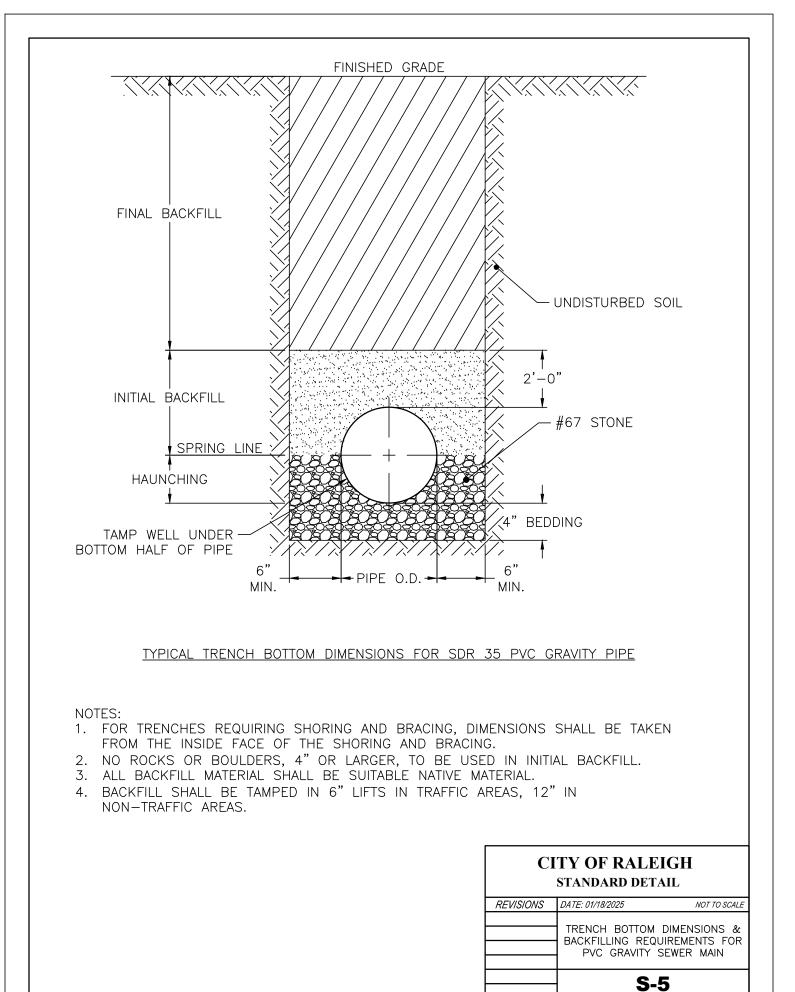
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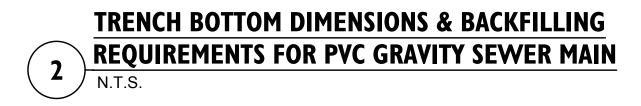


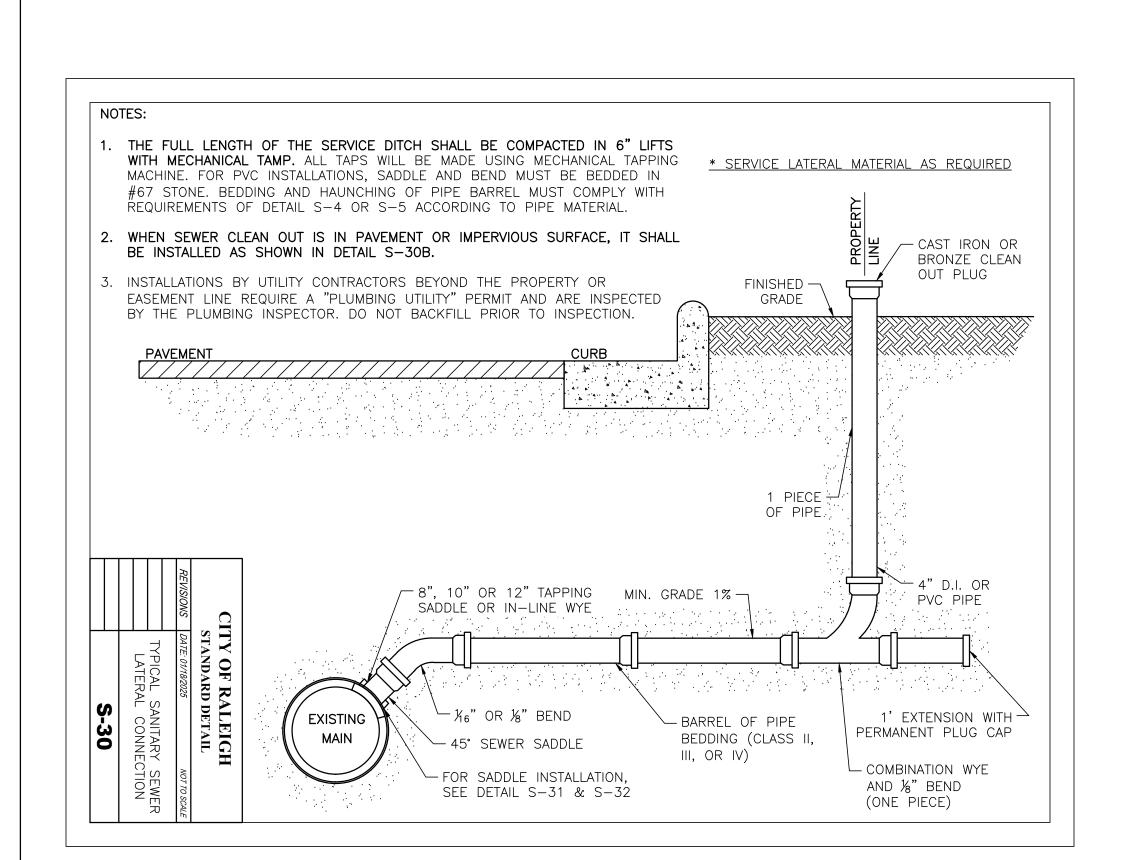


TRENCH BOTTOM DIMENSIONS &

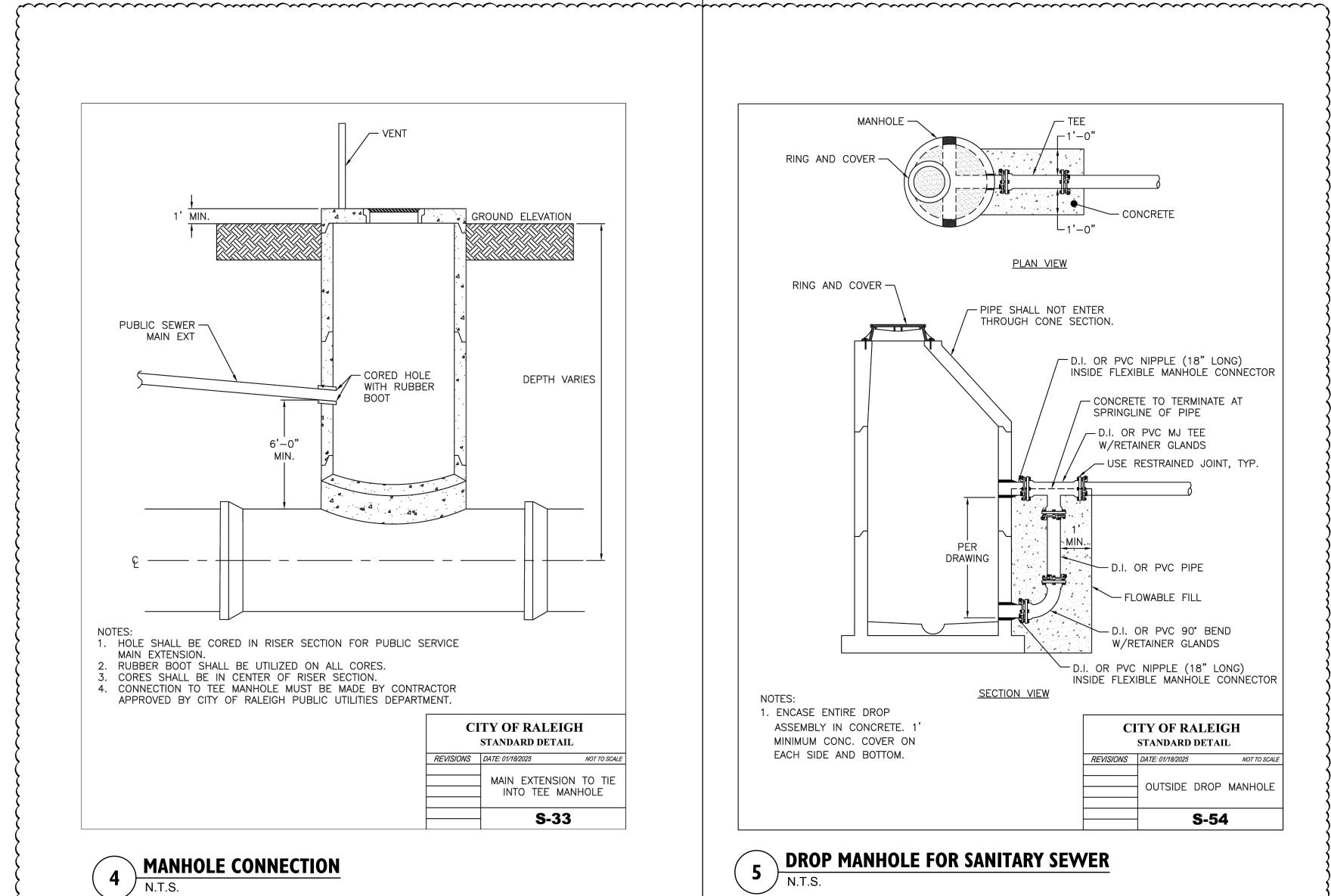


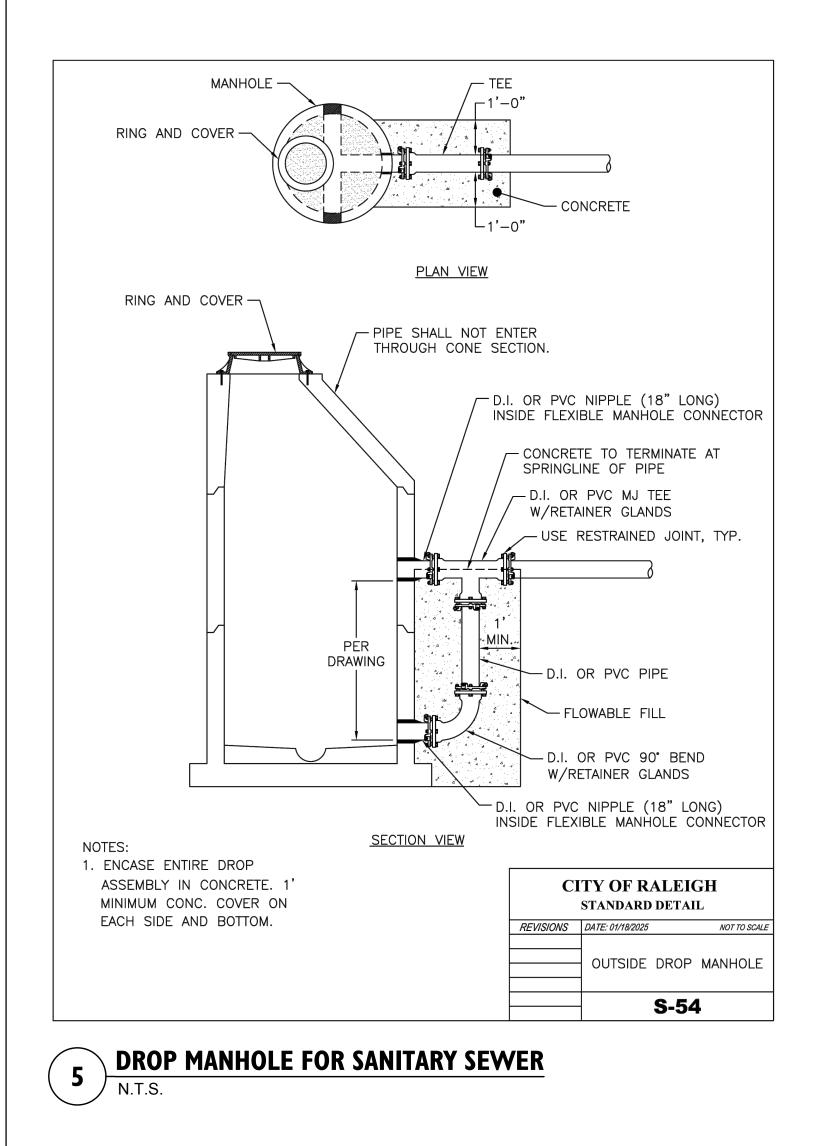


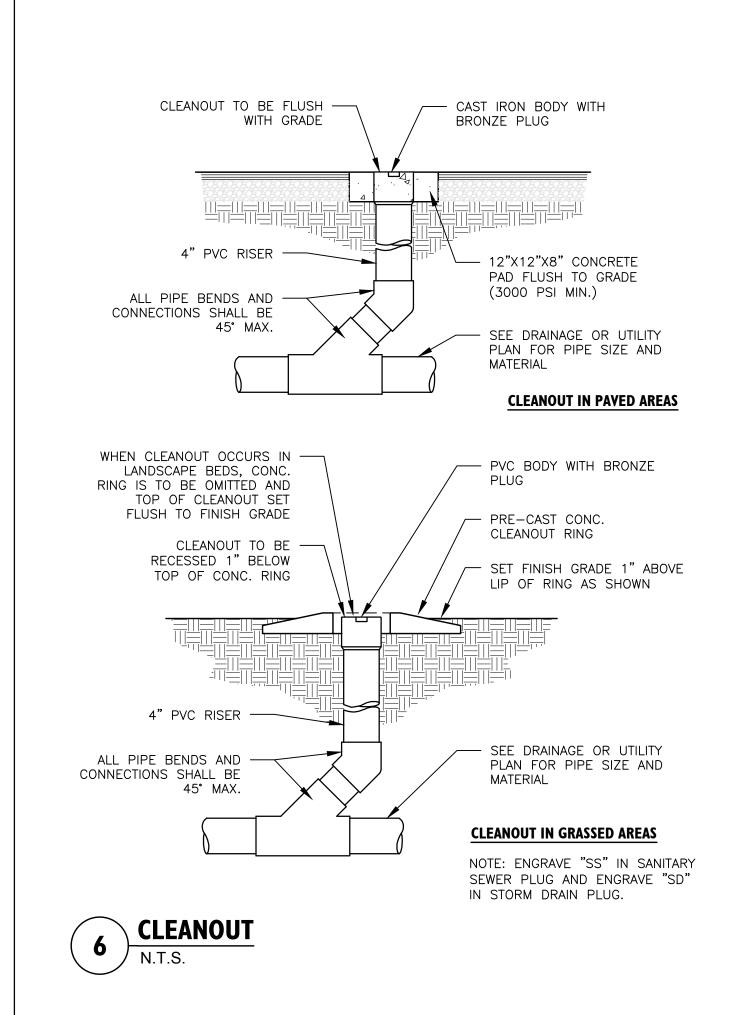


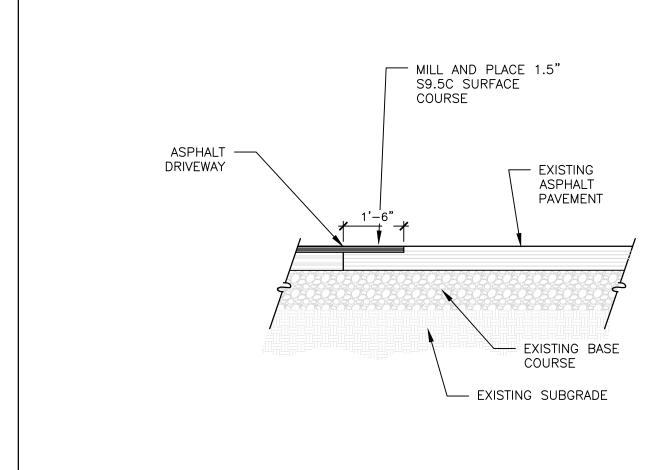


**TYPICAL SANITARY SEWER LATERAL CONNECTION** 





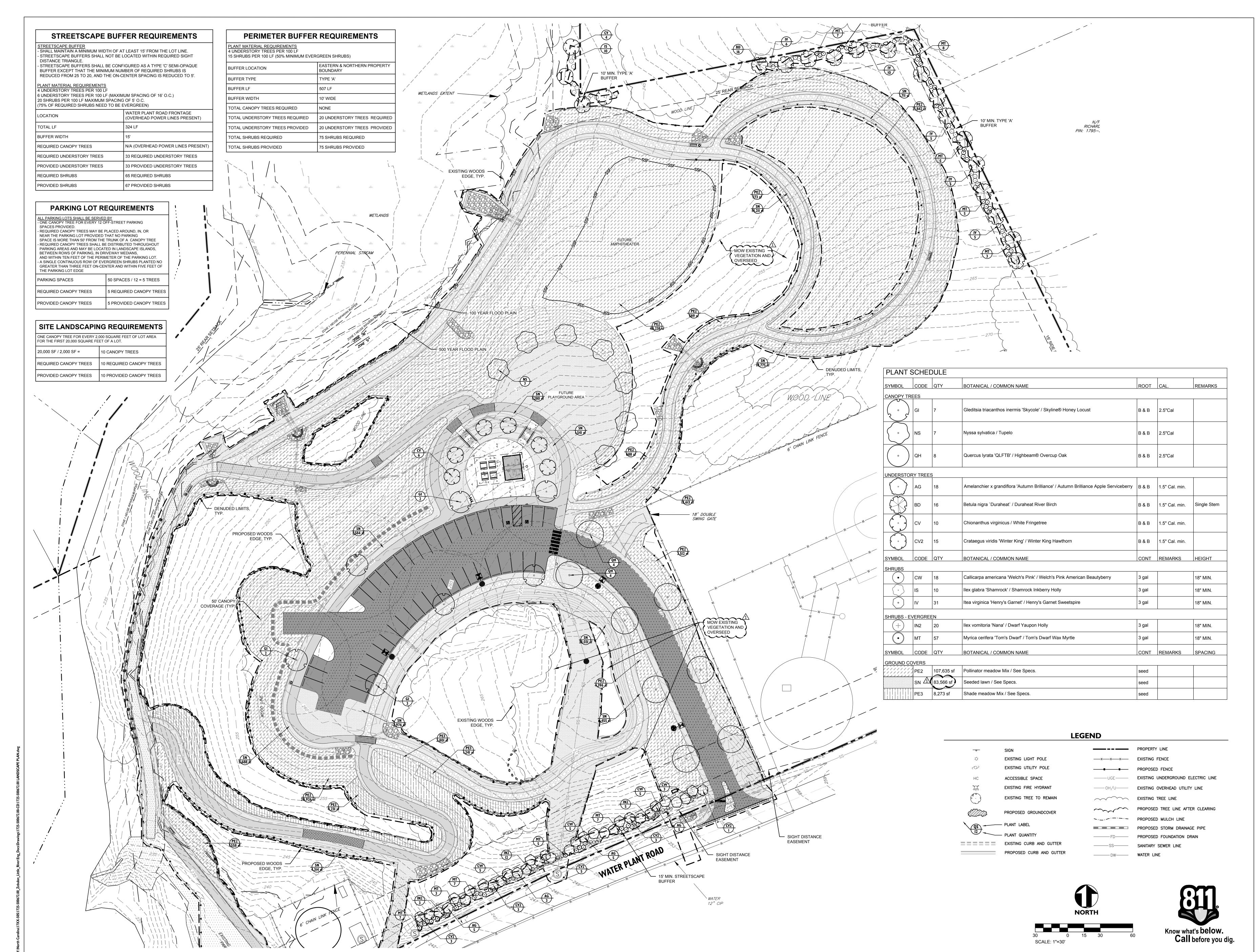




NOTES

1. SEE SPECIFICATIONS FOR OTHER REQUIREMENTS.

7 ASPHALT LAP JOINT N.T.S.







Project No: 1725-500672.00 11.20.2025 Revisions: Addendum #1

Sheet Title:

**LANDSCAPE PLAN**