

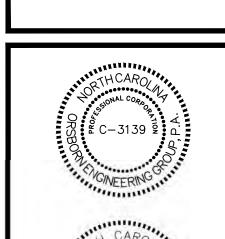
STORM PROFILES

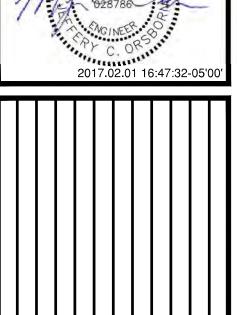
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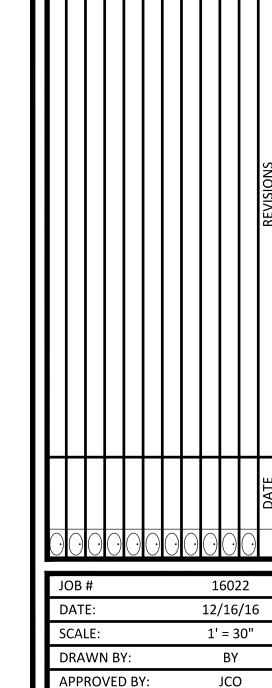
NC 49 COMMERCIAL SUBDIVISION

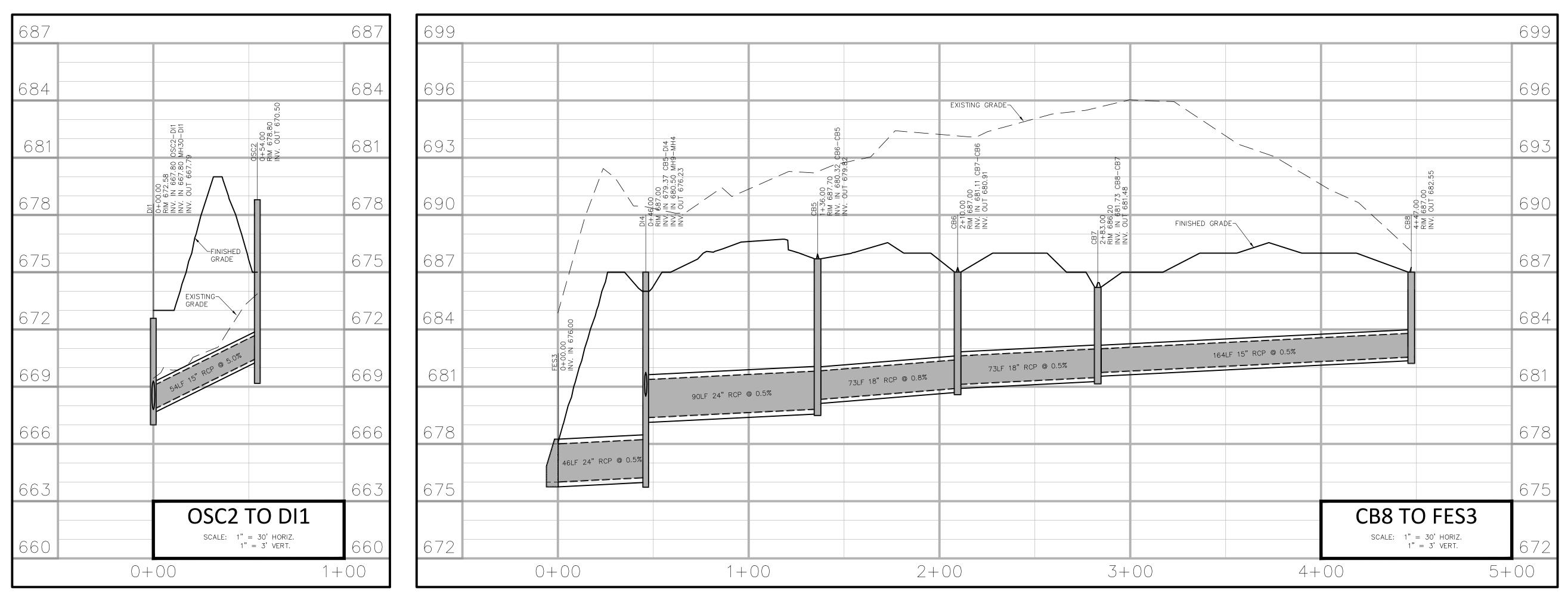
UNIVERSITY CITY BOULEVARD

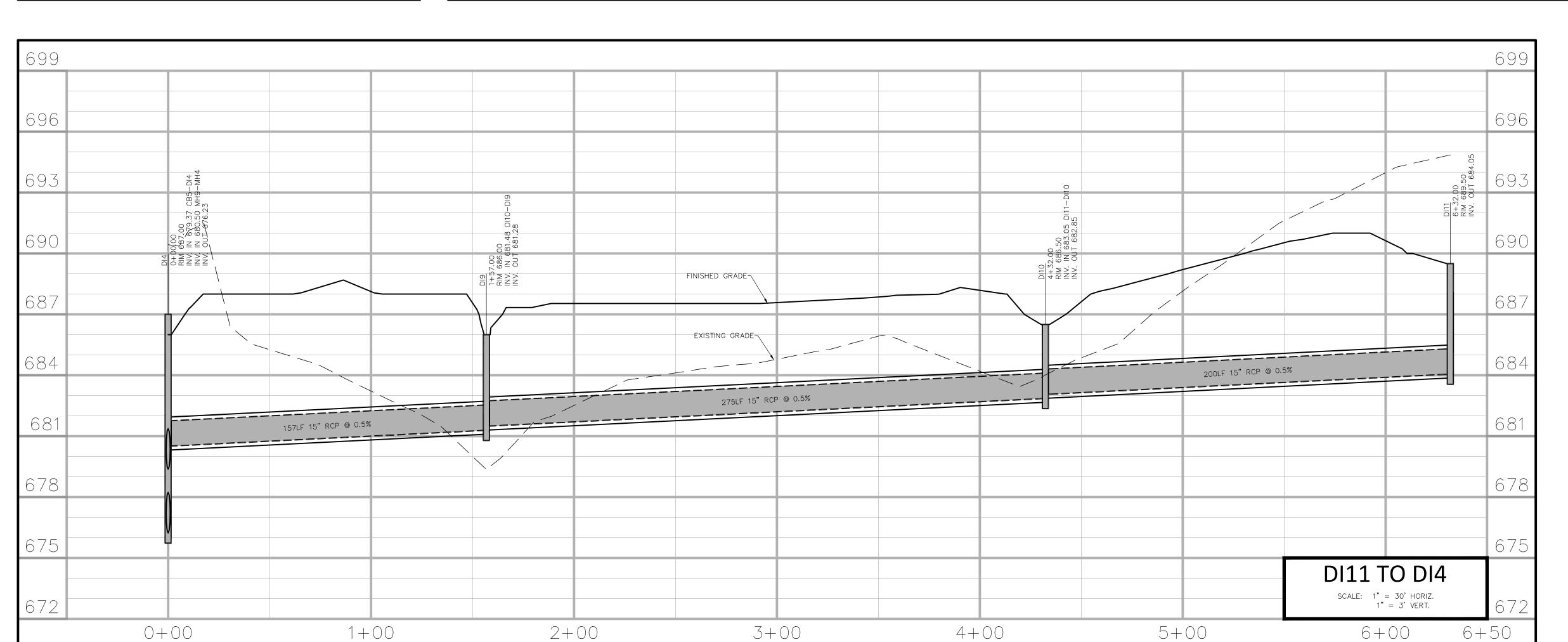
EVELOPMENT, LLC
23 GREENVILLE AVENUE
VILMINGTON, NC 28403

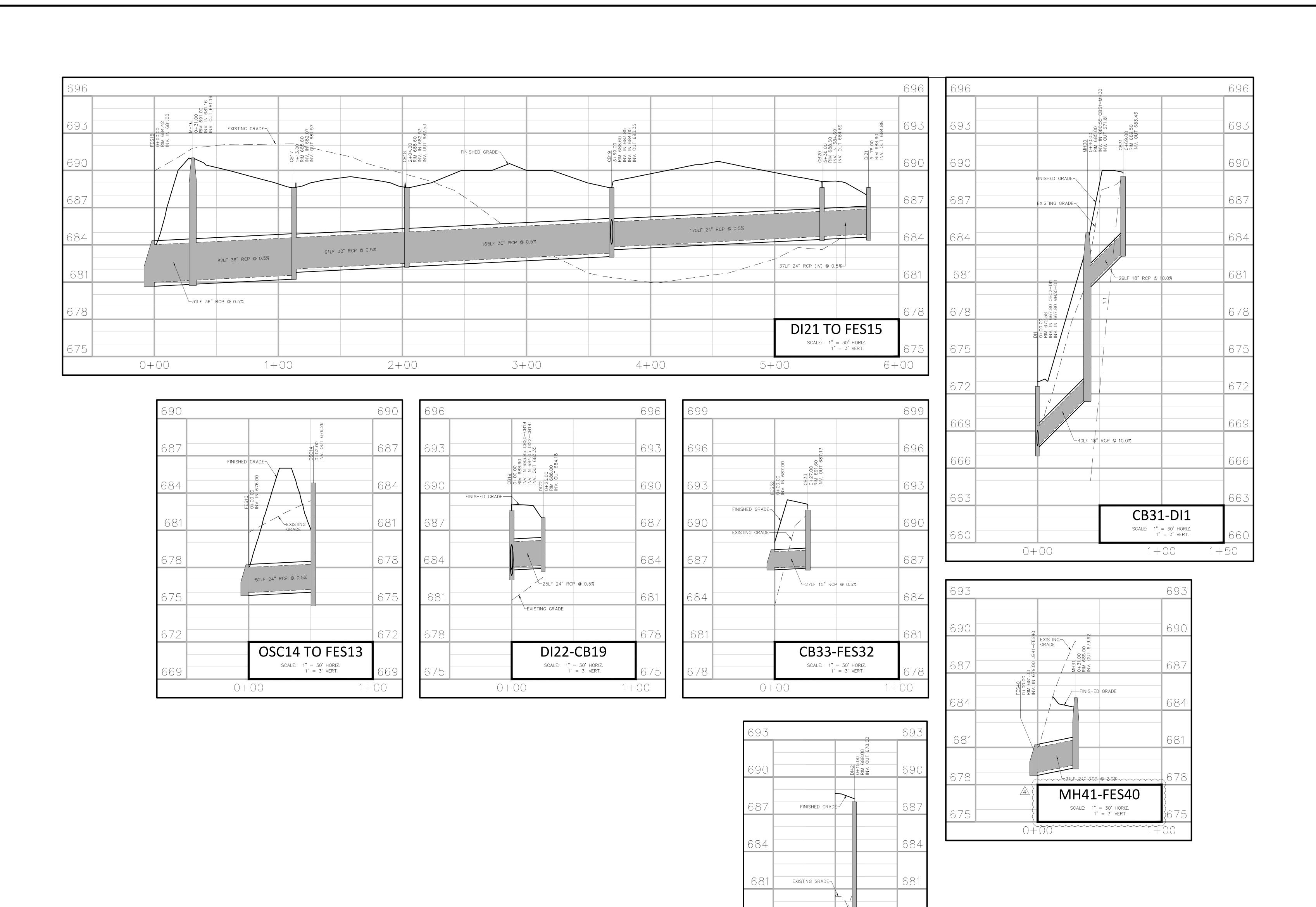






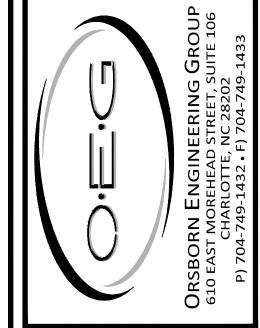






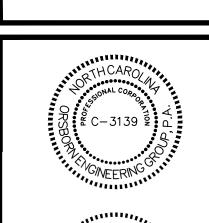
DI42-EX PIPE

SCALE: 1" = 30' HORIZ. 1" = 3' VERT.

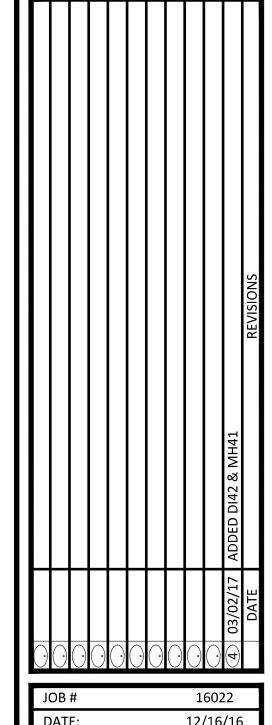


FOR FOR NC 49 COMMERCIAL SUBDIVISION UNIVERSITY CITY BOULEVARD

ROBERT HIGH
DEVELOPMENT, LLC
223 GREENVILLE AVENUE
WILMINGTON, NC 28403







JOB # 16022

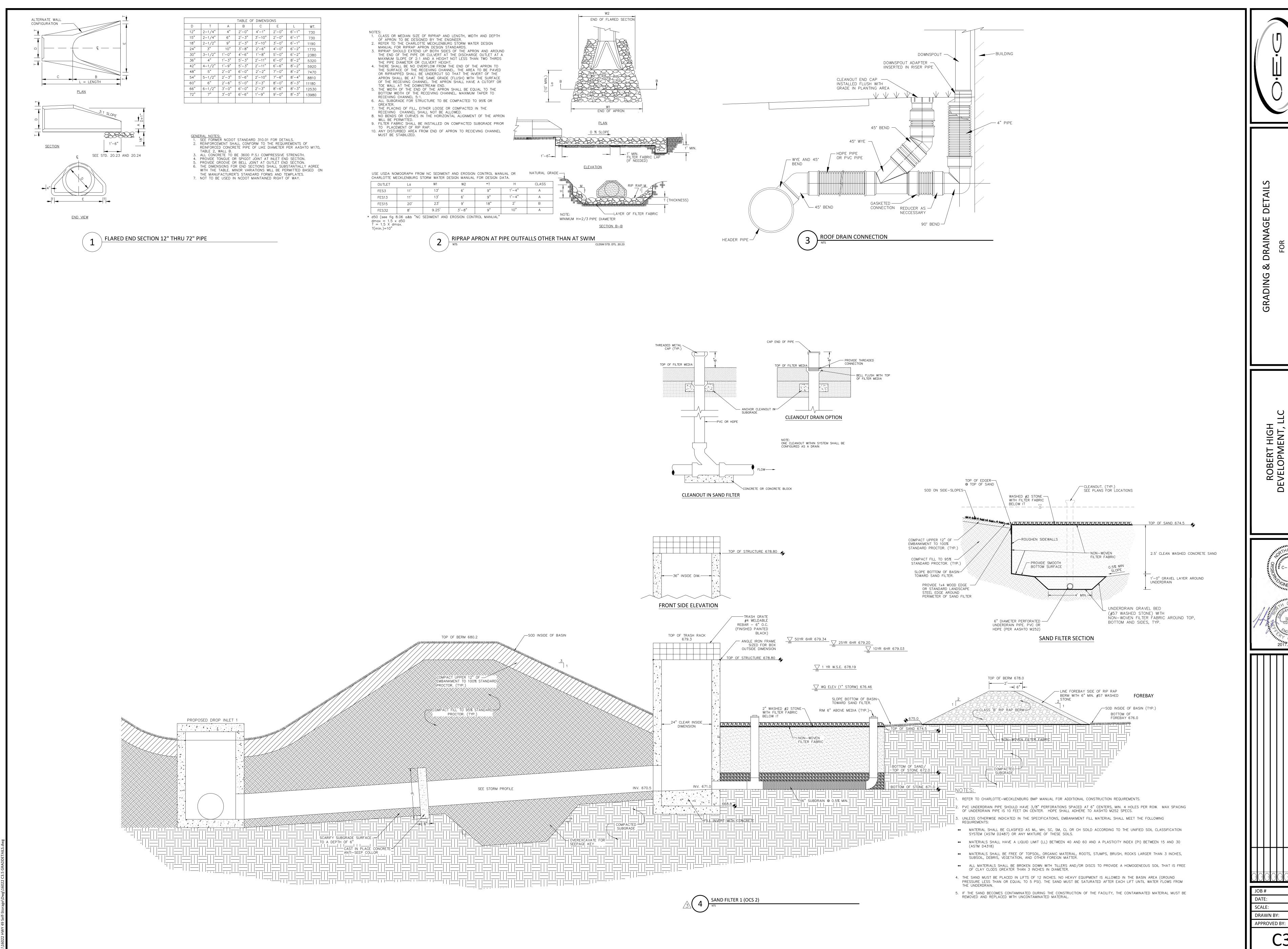
DATE: 12/16/16

SCALE: 1' = 30"

DRAWN BY: BY

APPROVED BY: JCO

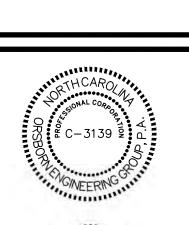
C3.4

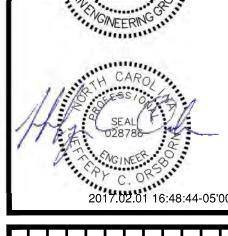


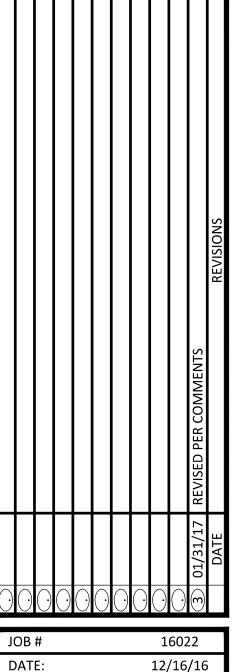
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ROBERT I DEVELOPME



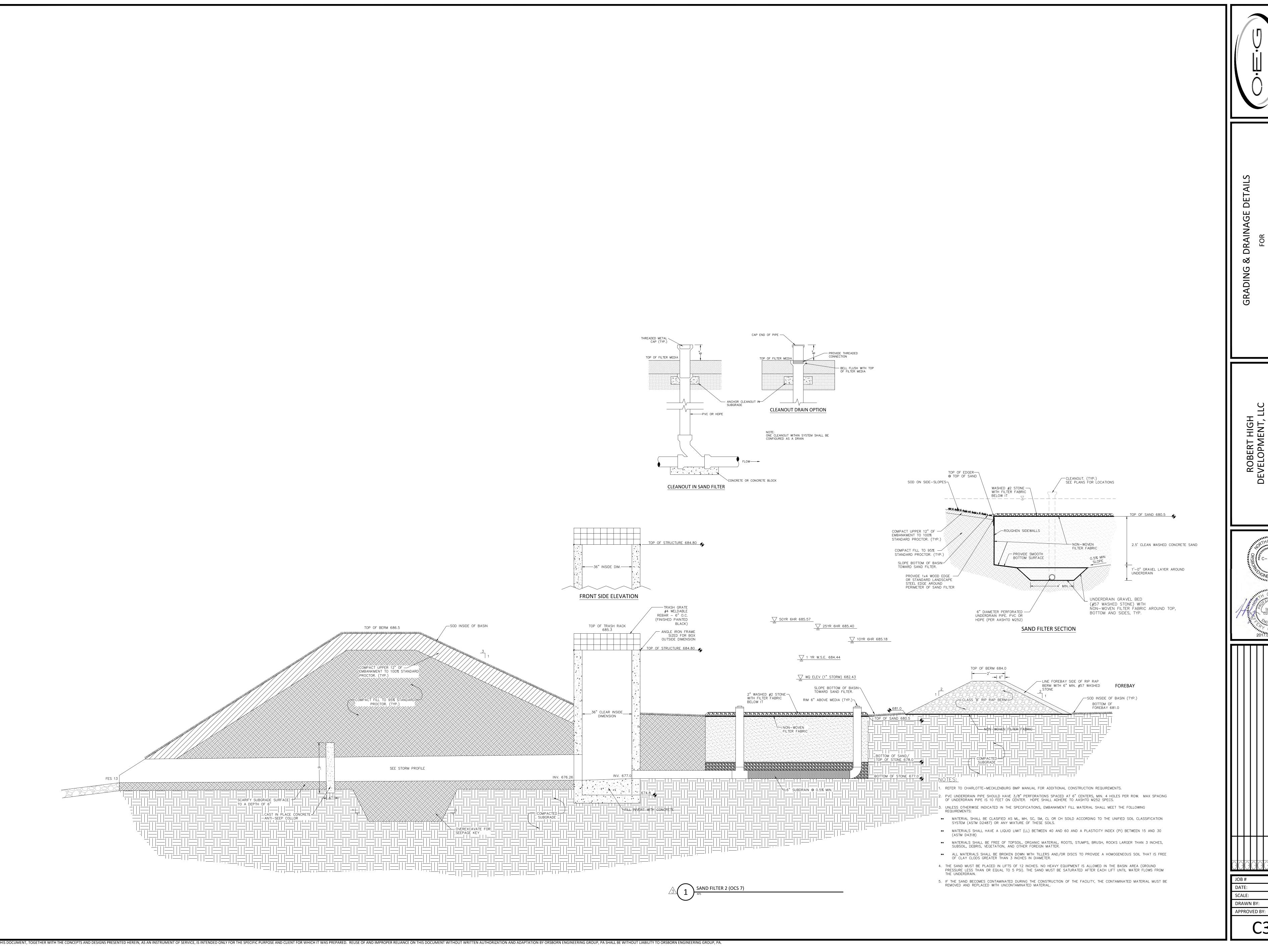


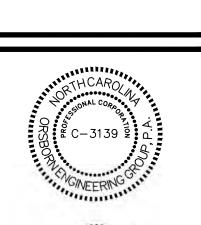


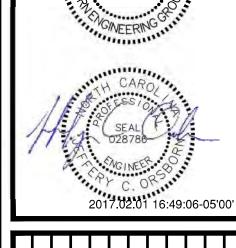
NTS

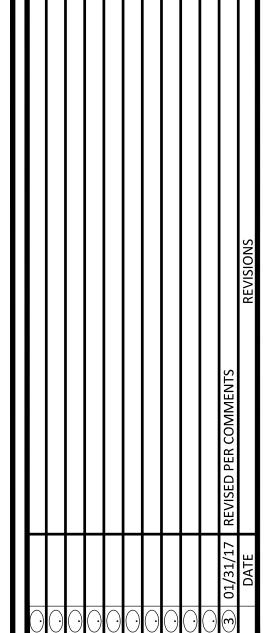
CJBB

JCO

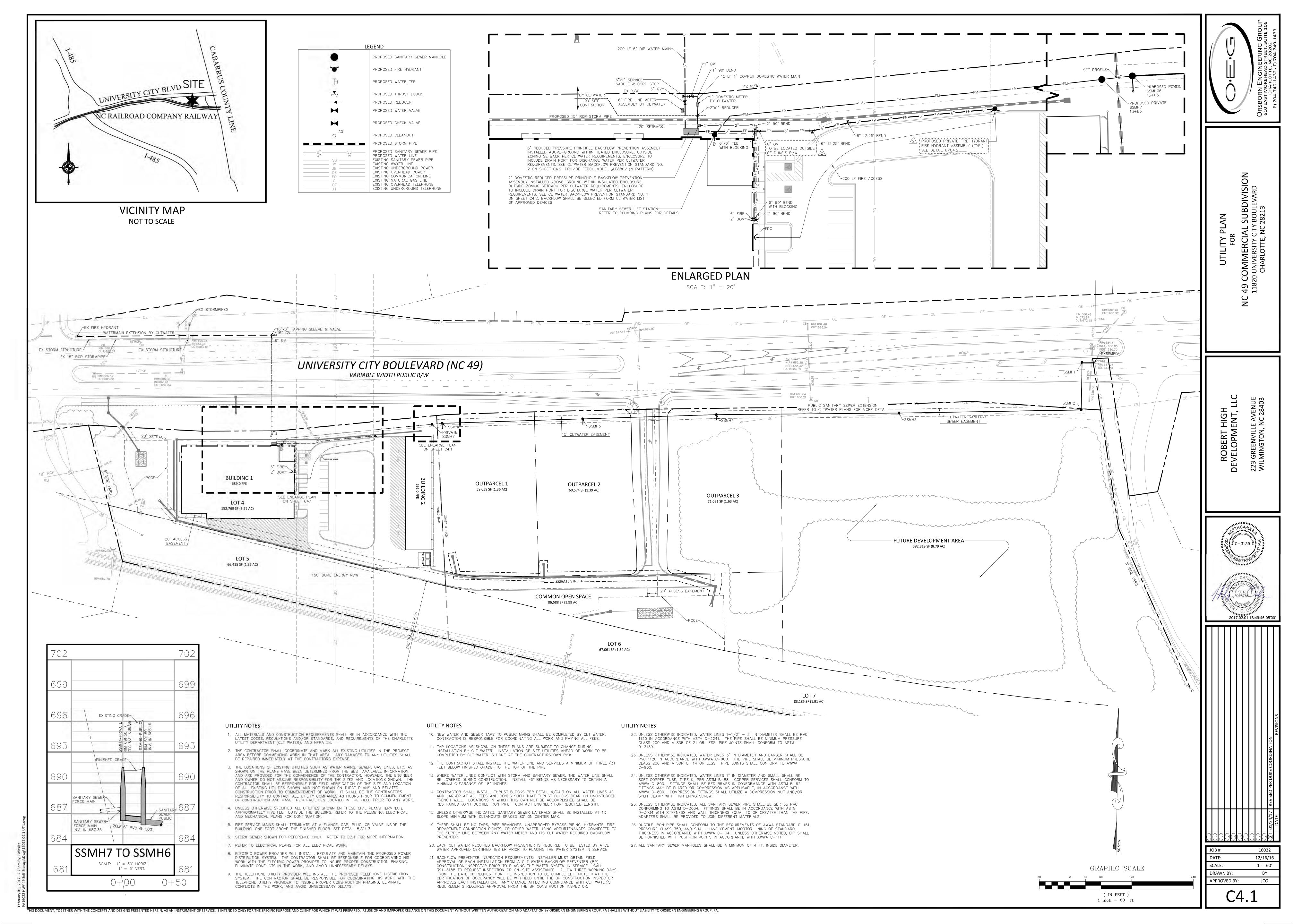


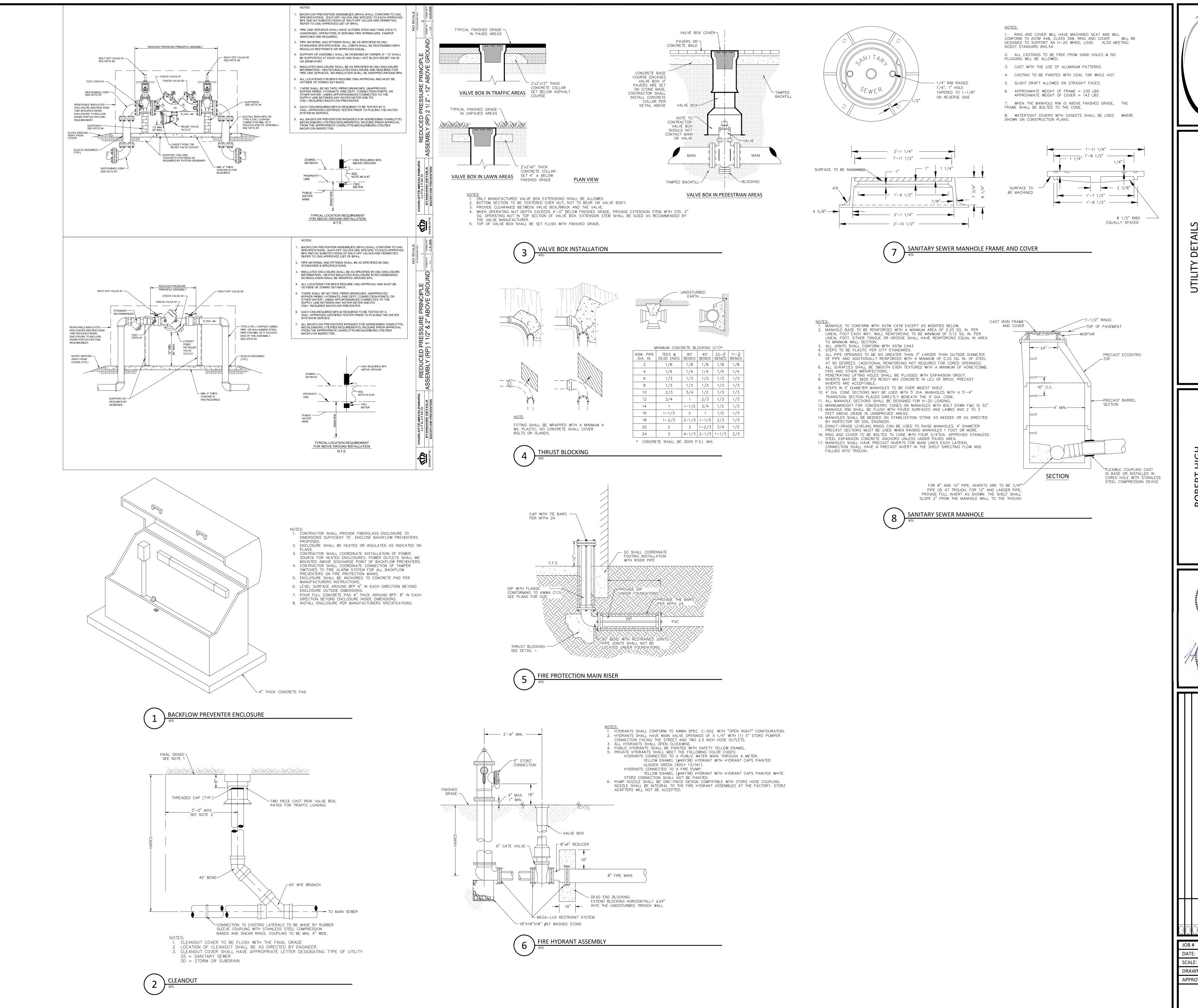






16022 12/16/16 NTS CJBB APPROVED BY: JCO

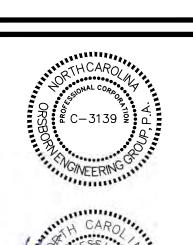




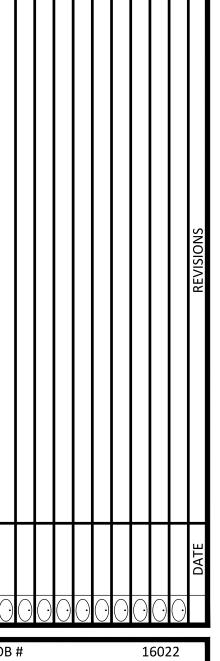
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SUBDIVISI OULEVARD 28213

ROBERT H DEVELOPME







12/16/16 NTS CJBB DRAWN BY: APPROVED BY: JCO

ORSBORN ENGINEERING GROUG 10 EAST MOREHEAD STREET, SUITE 100 CHARLOTTE, NC 28202

PUBLIC WATER CONNECTION

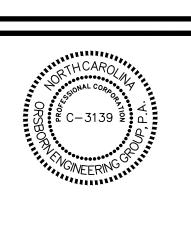
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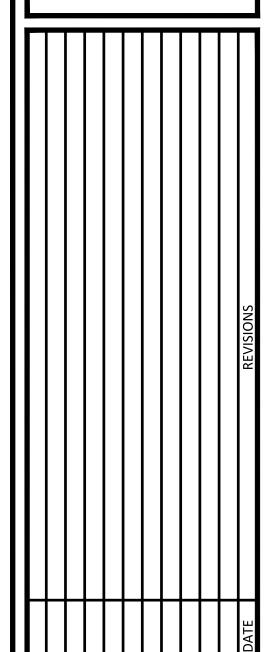
NC 49 COMMERCIAL SUBDIVISION

UNIVERSITY CITY BOULEVARD

CHARLOTTE, NC 28213

DEVELOPMENT, LLC
223 GREENVILLE AVENUE
WILMINGTON, NC 28403





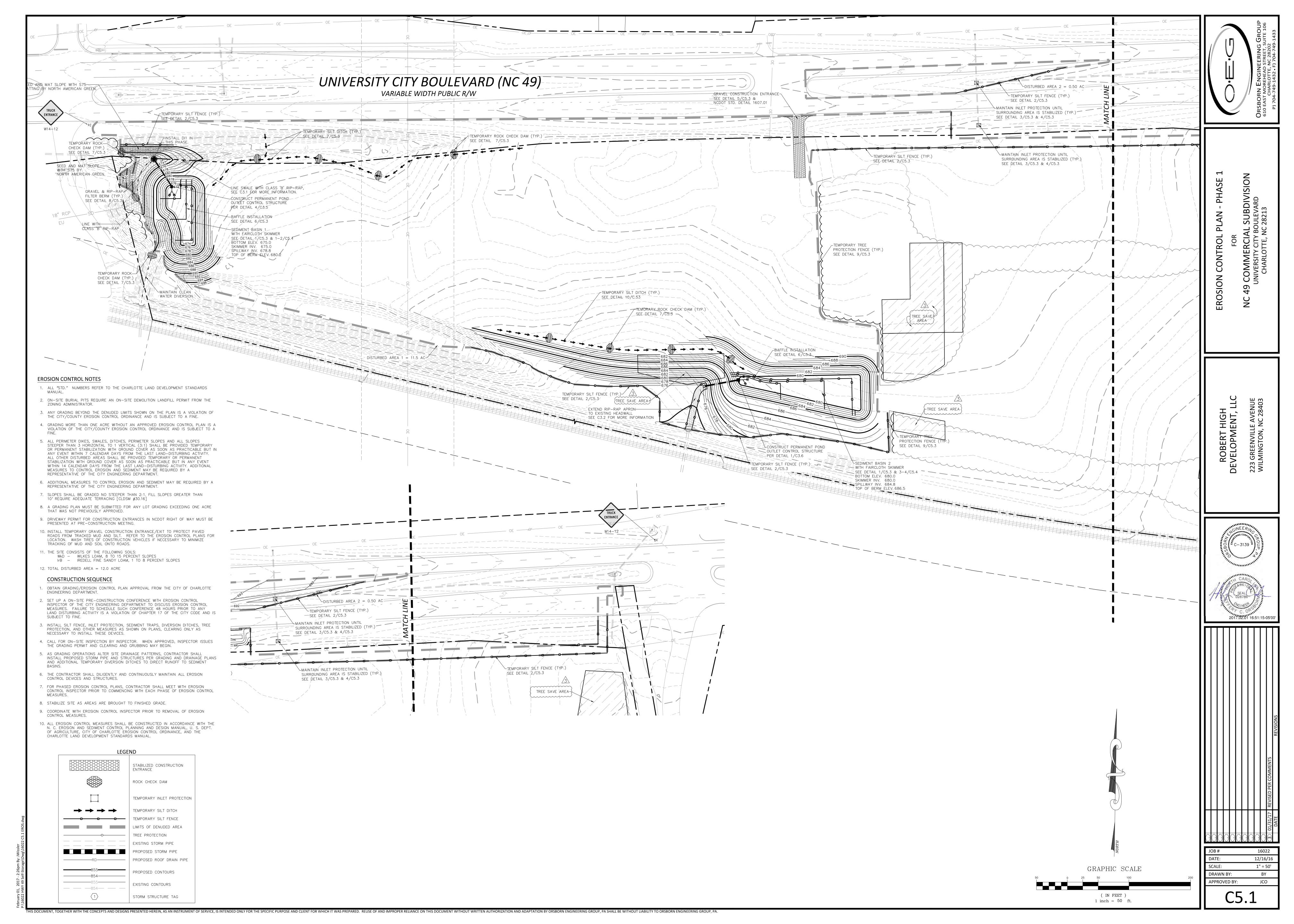
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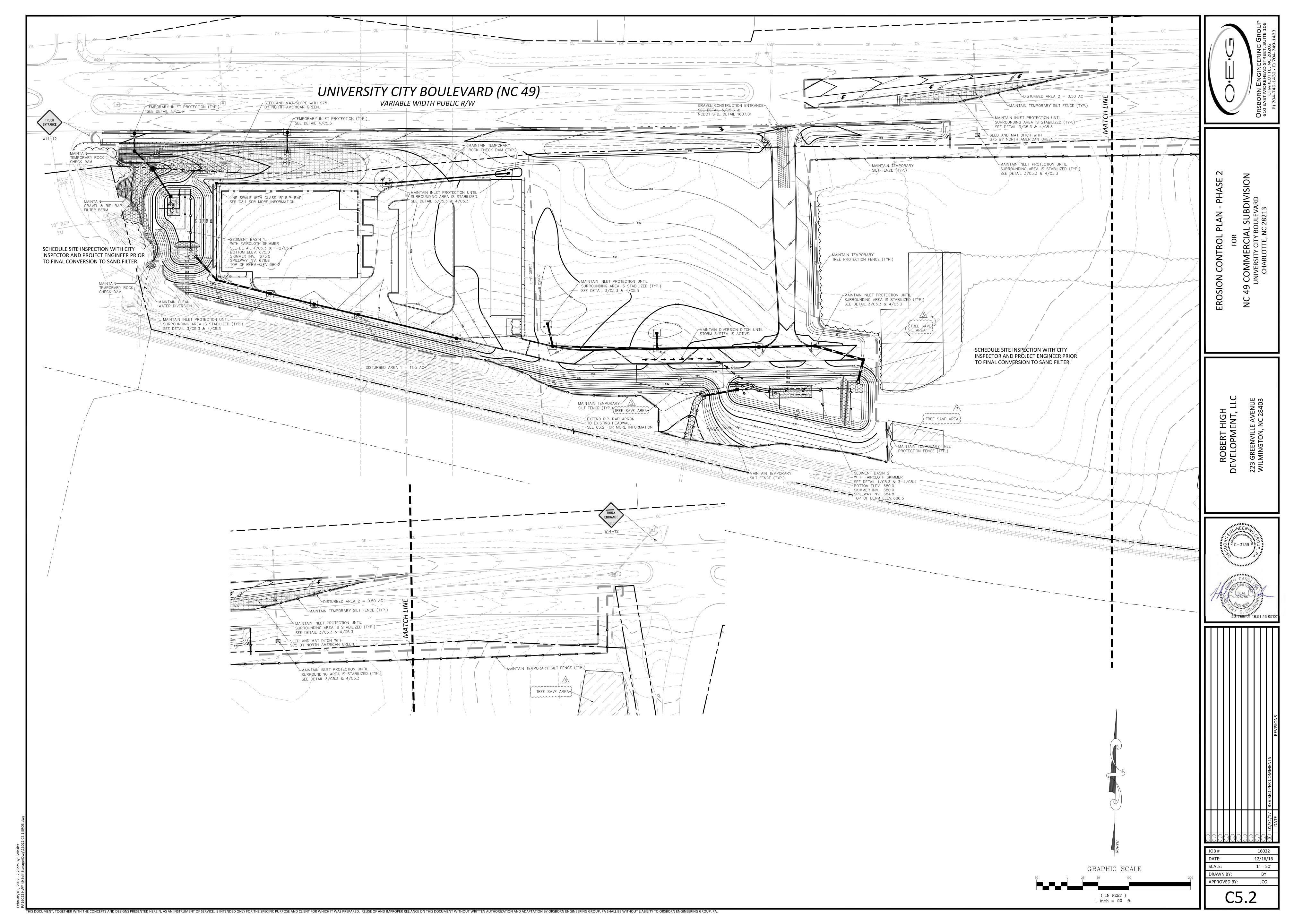
SCALE: NTS

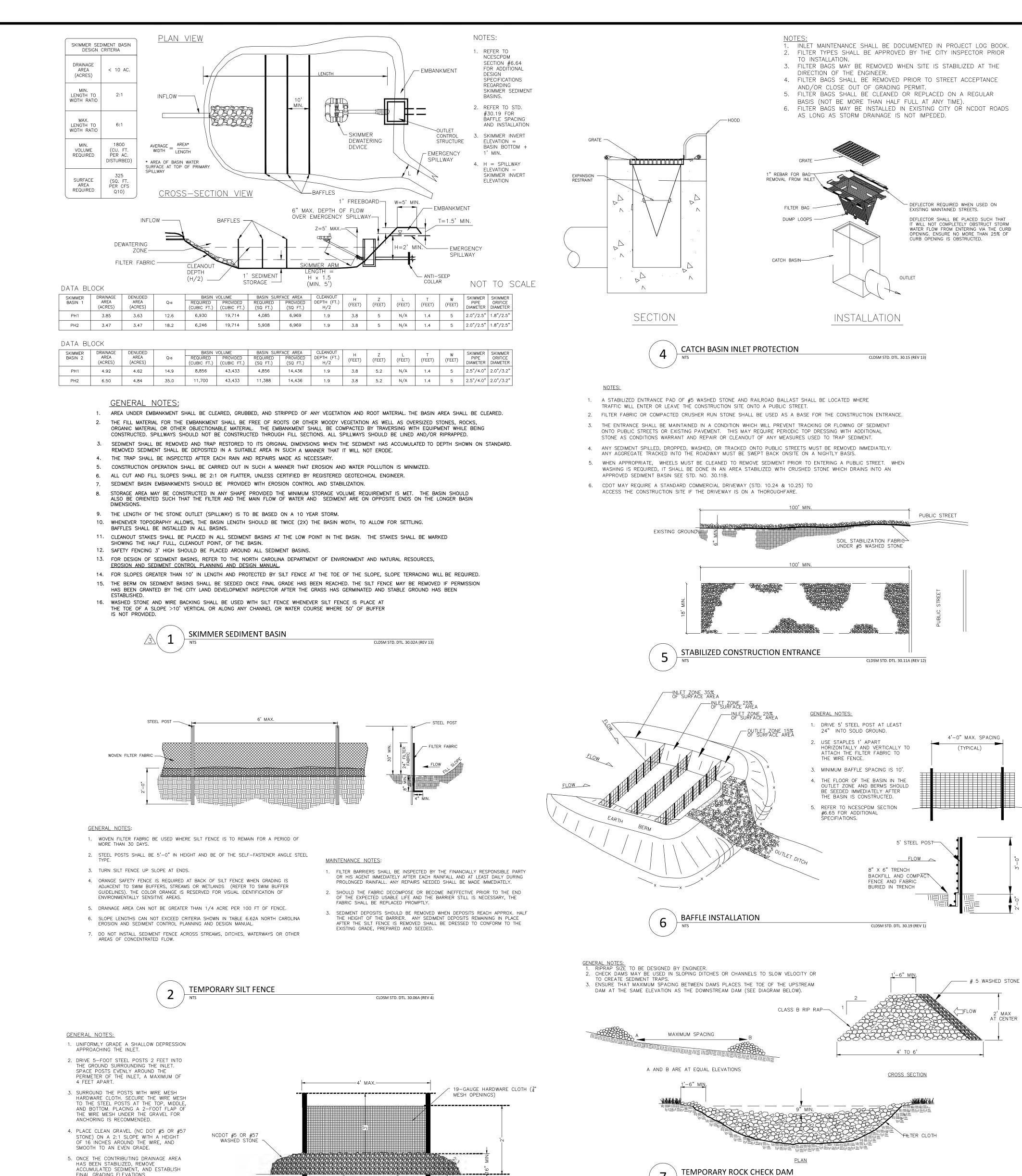
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C4.3

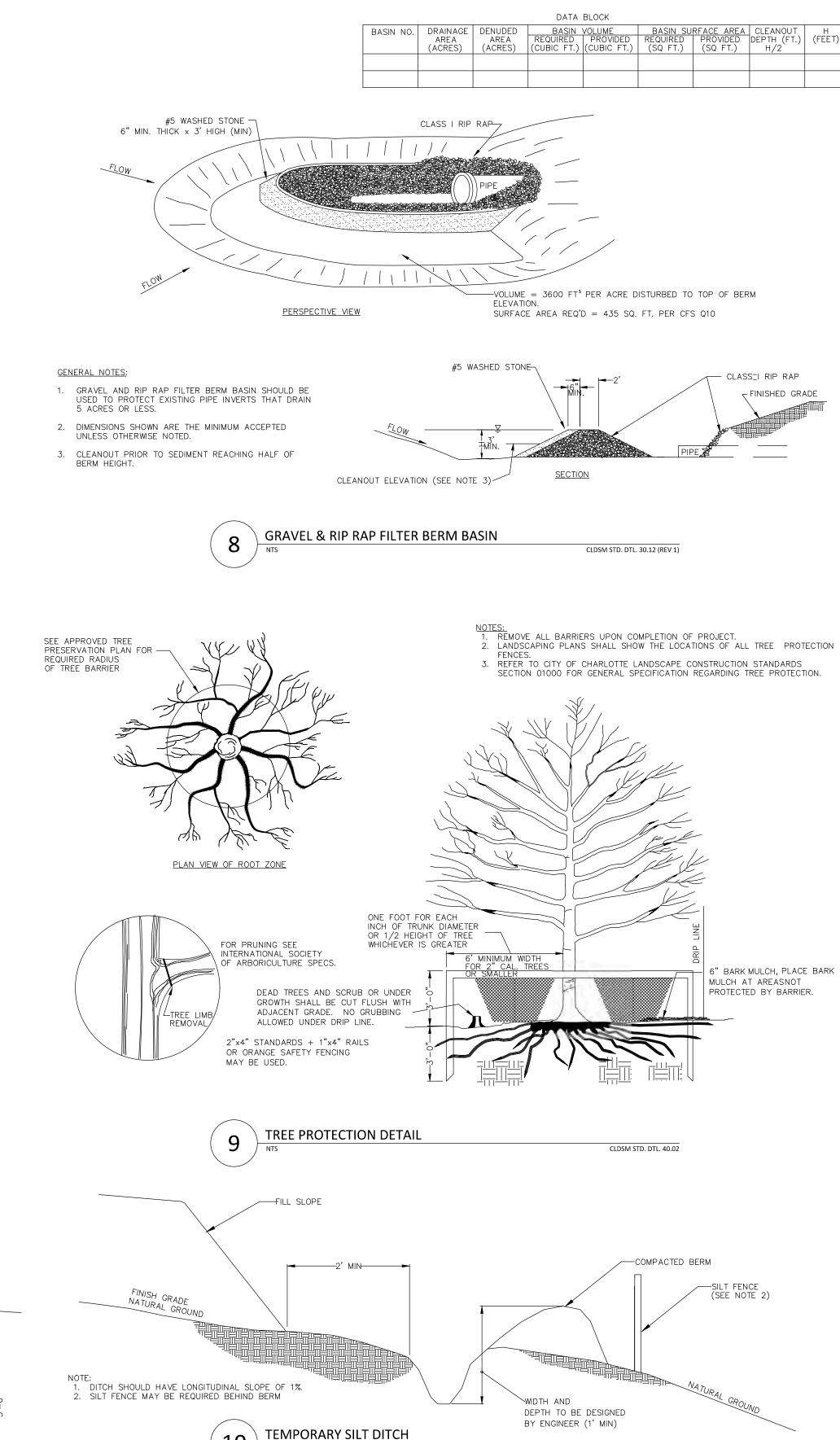


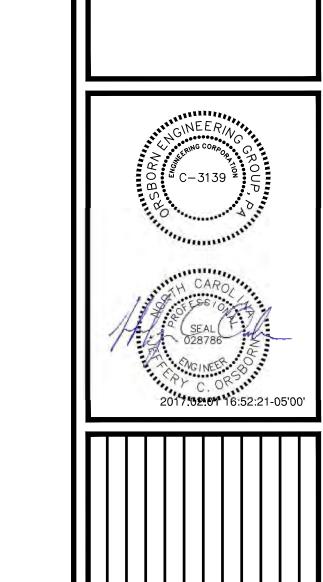




TEMPORARY ROCK CHECK DAM

CLDSM STD. DTL. 30.10

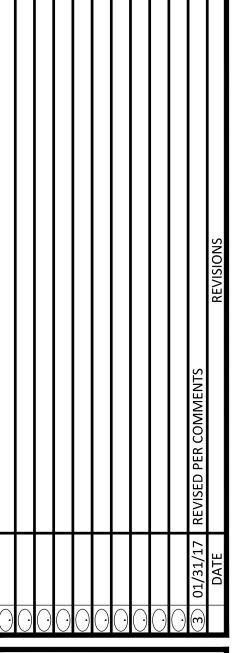




CLDSM STD. DTL. 30.05

22 W

**BDIV** :VARD



12/16/16 NTS DRAWN BY: APPROVED BY: JCO

HARDWARE CLOTH AND GRAVEL INLET PROTECTION CLDSM STD. DTL. 30.09 (REV 1)

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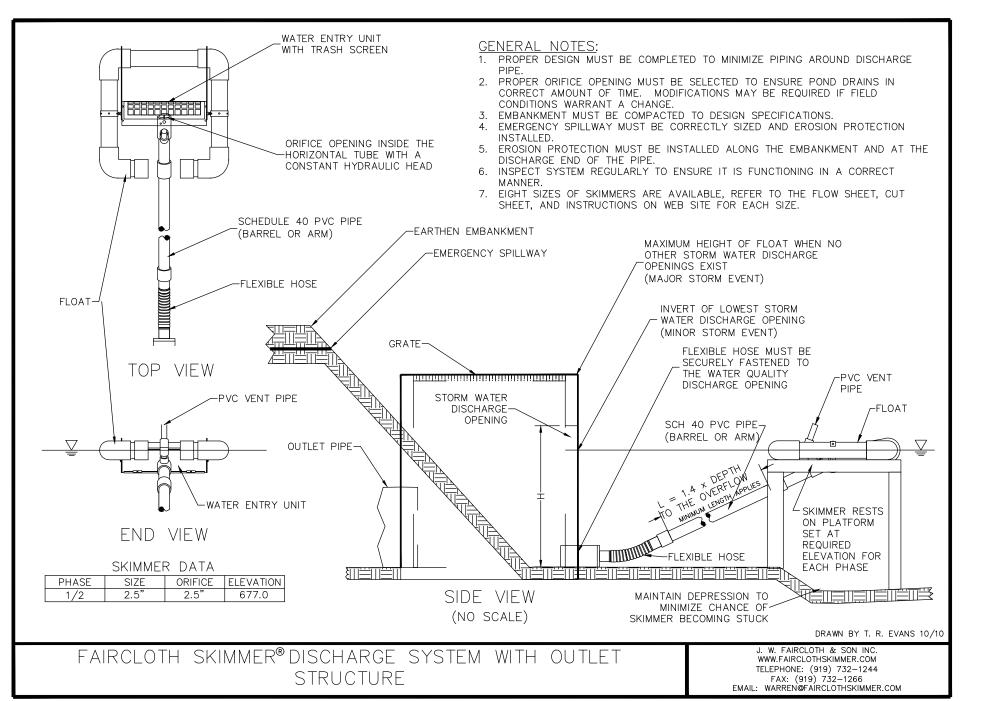
FILTERED WATER

NCDOT #5 OR #57 WASHED STONE

ACCUMULATED SEDIMENT, AND ESTABLISH

FINAL GRADING ELEVATIONS.

6. COMPACT THE AREA PROPERLY AND STABILIZED IT WITH GROUNDCOVER.



WATER ENTRY UNIT GENERAL NOTES:

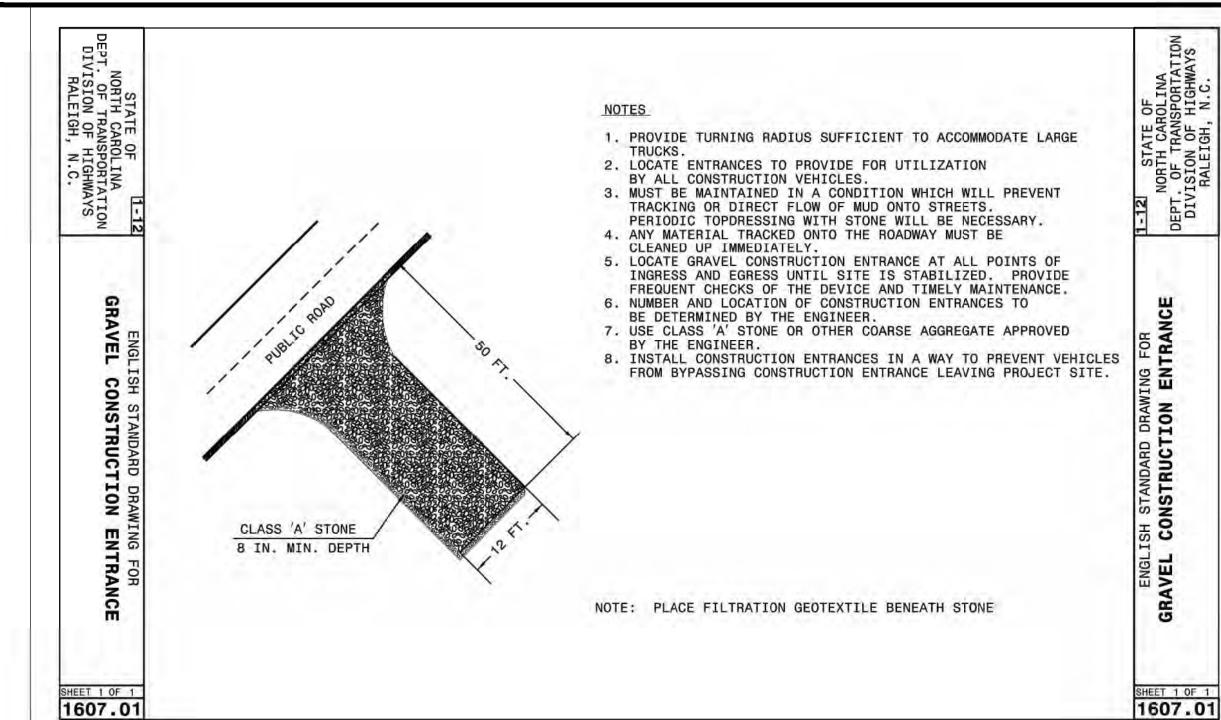
1. PROPER DESIGN MUST BE COMPLETED TO MINIMIZE PIPING AROUND DISCHARGE WITH TRASH SCREEN 2. PROPER ORIFICE OPENING MUST BE SELECTED TO ENSURE POND DRAINS IN CORRECT AMOUNT OF TIME. MODIFICATIONS MAY BE REQUIRED IF FIELD CONDITIONS WARRANT A CHANGE.

3. EMBANKMENT MUST BE COMPACTED TO DESIGN SPECIFICATIONS.

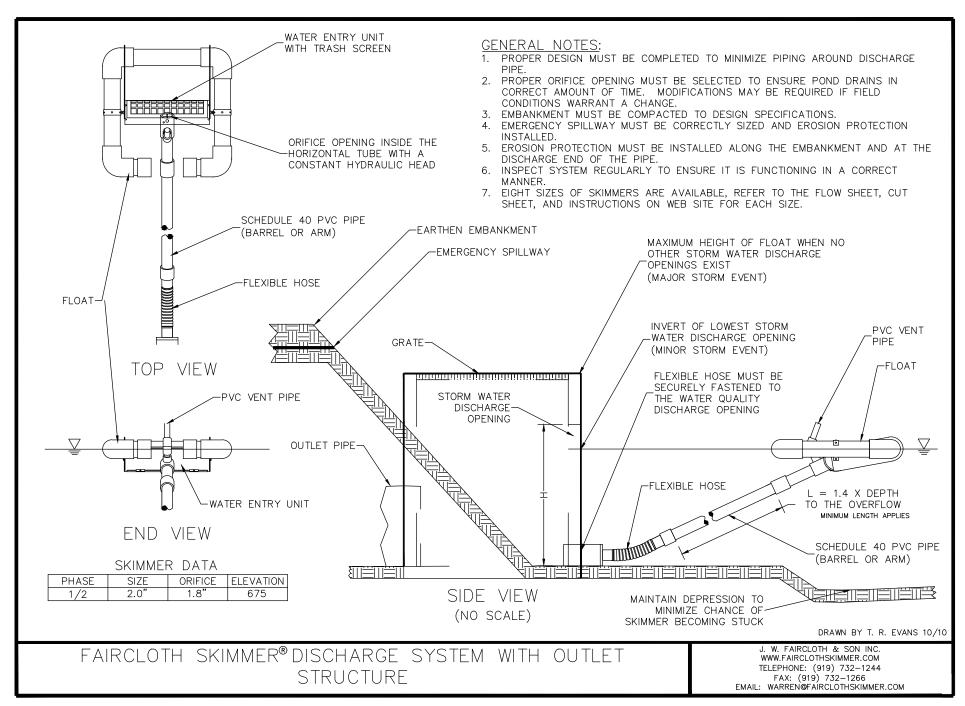
4. EMERGENCY SPILLWAY MUST BE CORRECTLY SIZED AND EROSION PROTECTION ORIFICE OPENING INSIDE THE 5. EROSION PROTECTION MUST BE INSTALLED ALONG THE EMBANKMENT AND AT THE —HORIZONTAL TUBE WITH A CONSTANT HYDRAULIC HEAD 6. INSPECT SYSTEM REGULARLY TO ENSURE IT IS FUNCTIONING IN A CORRECT 7. EIGHT SIZES OF SKIMMERS ARE AVAILABLE, REFER TO THE FLOW SHEET, CUT SHEET, AND INSTRUCTIONS ON WEB SITE FOR EACH SIZE. SCHEDULE 40 PVC PIPE \_\_EARTHEN EMBANKMENT (BARREL OR ARM) MAXIMUM HEIGHT OF FLOAT WHEN NO -EMERGENCY SPILLWAY OTHER STORM WATER DISCHARGE OPFNINGS FXIST (MAJOR STORM EVENT) -FLEXIBLE HOSE INVERT OF LOWEST STORM \_PVC VENT \_WATER DISCHARGE OPENING (MINOR STORM EVENT) TOP VIEW FLEXIBLE HOSE MUST BE SECURELY FASTENED TO STORM WATER THE WATER QUALITY DISCHARGE OPENING OUTLET PIPE~ FLEXIBLE HOSE  $= 1.4 \times DFPTH$ WATER ENTRY UNIT THE OVERFLOW MINIMUM LENGTH APPLIES END VIEW SCHEDULE 40 PVC PIP (BARREL OR ARM) SKIMMER DATA SIDE VIEW MAINTAIN DEPRESSION TO MINIMIZE CHANCE OF-(NO SCALE) SKIMMER BECOMING STUCK DRAWN BY T. R. EVANS 10, FAIRCLOTH SKIMMER® DISCHARGE SYSTEM WITH OUTLET TELEPHONE: (919) 732-1244 STRUCTURE

FAIRCLOTH SKIMMER - BASIN 2 - LOW FLOW

EMBANKMENT MATTING DETAIL

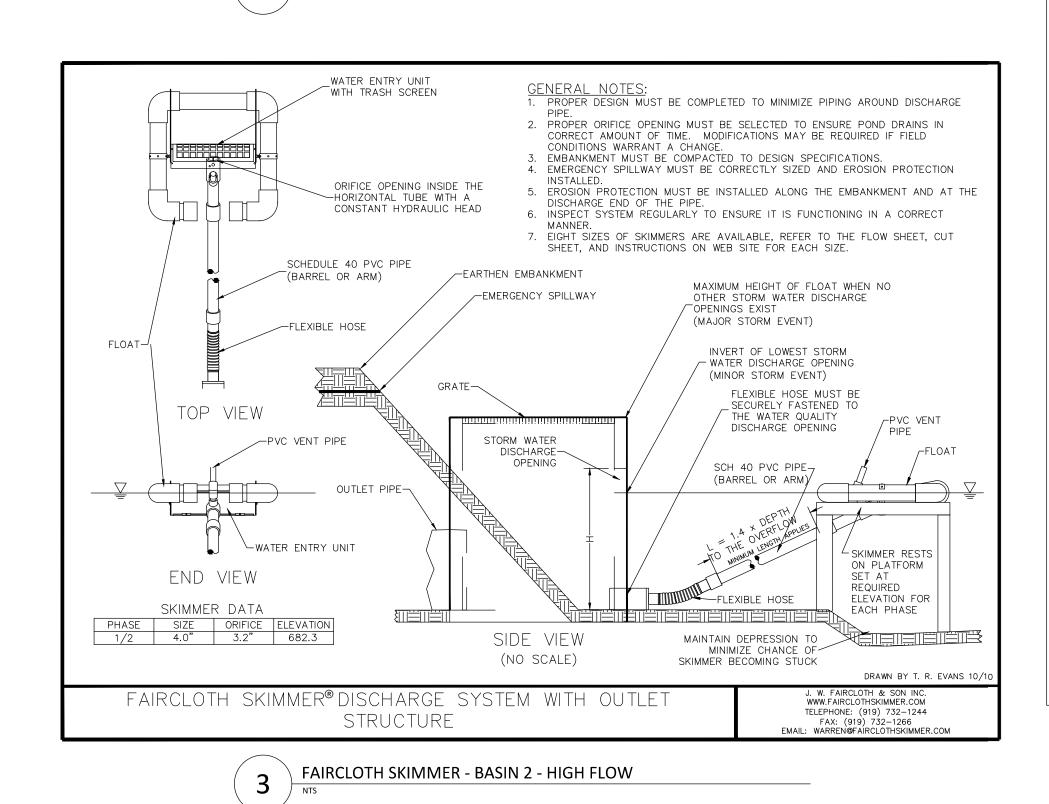


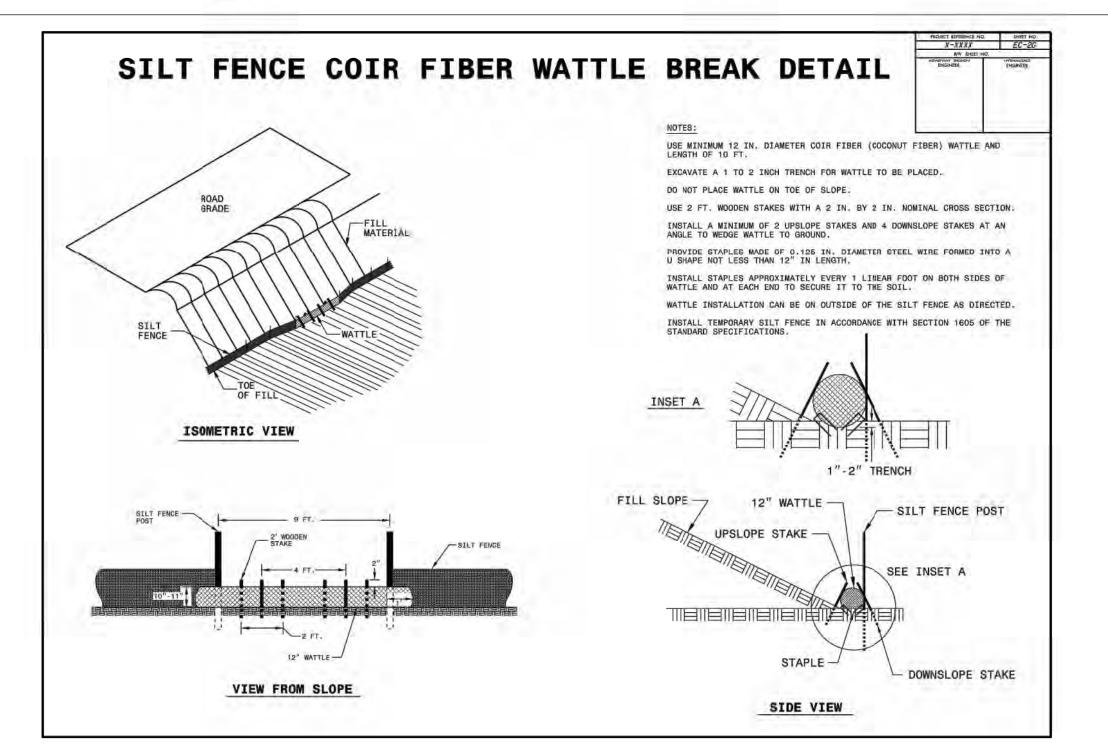
FAIRCLOTH SKIMMER - BASIN 1 - HIGH FLOW



/ KEY/ANCHOR MATERIAL AT TOP OF SLOPE. — 12" MIN. SPACING TYP.\* GENERAL NOTES: 36" MIN. SPACING TYP.\* 1. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH. 2. \* DIMENSIONS SHOWN ARE MINIMUM, MANUFACTURED PRODUCTS MAY HAVE ADDITIONAL REQUIREMENTS THAT MUST BE 3. SLOPE SURFACE SHALL BE FREE OF ROCKS, SOIL CLODS, STICKS, GRASS. MAT/BLANKETS SHALL HAVE GOOD SOIL CONTACT. 4. THE DETAIL SHOWN IS FOR SLOPE MATTING. FOR CHANNEL OR PIPE OUTFALL MATTING SPECIFICATIONS, PLEASE REFER TO NCESCPDM STANDARD #6.17 AND **WATER TABLE** MANUFACTURER'S GUIDELINES. NON-WOVEN GEOTEXTILE FILTER CLOTH FABRIC 4' ABOVE SOURCE WATER.  $^igcup$  KEY/ANCHOR MATERIAL TO TOE OF SLOPE.

## FAIRCLOTH SKIMMER - BASIN 1 - LOW FLOW





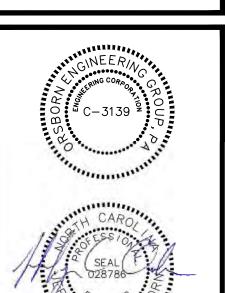
CLDSM STD. DTL. 30.20 (REV 1)

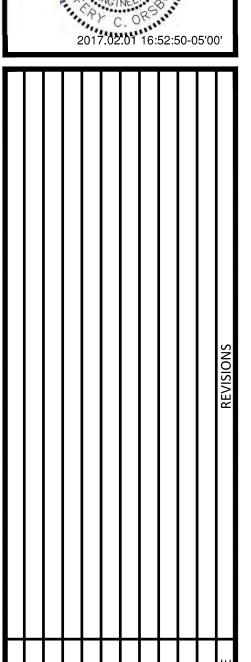
SILT FENCE COIR FIBER WATTLE

BDIV EVARD 13

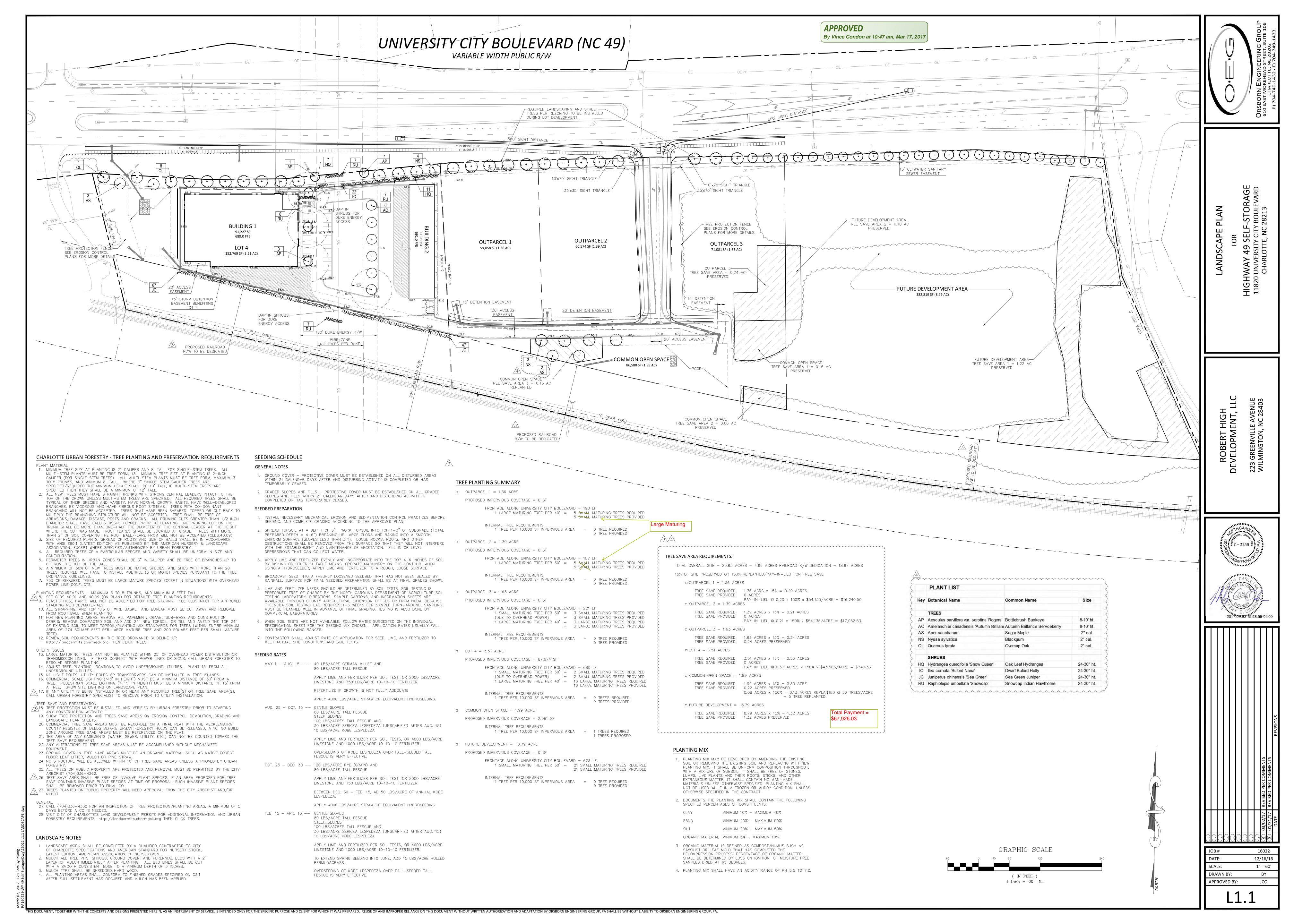
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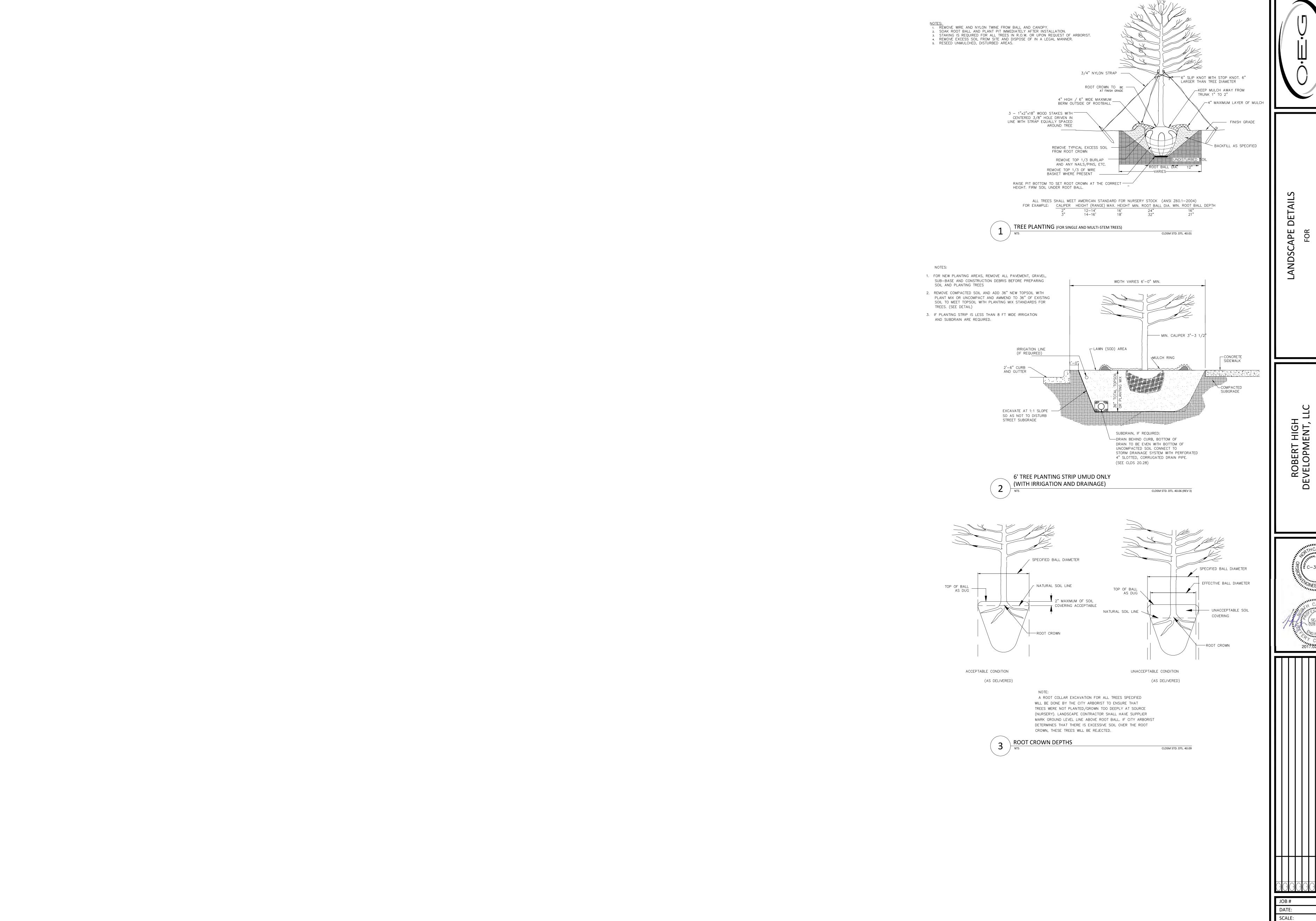
ROBERT I DEVELOPME





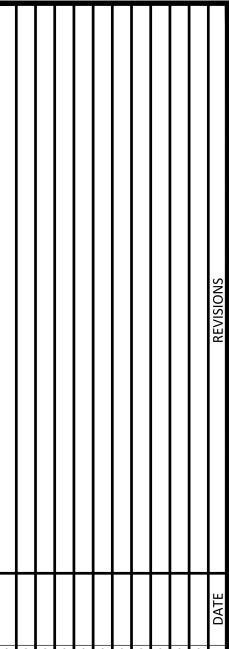
12/16/16





STORAGE SOULEVARD 8213





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