



FINAL
APPROVAL

ENGINEERING
PCO / DETENTION / DRAINAGE PLAN

EROSION CONTROL

URBAN FORESTRY
TREE ORDINANCE

CDOT Rick Grochoske

NOTE: SCHEDULE PRE-CONSTRUCTION MEETING
AT LEAST 48 HRS. PRIOR TO ANY LAND
DISTURBING ACTIVITY USING THE ONLINE
FORM AT <http://development.charmeck.org>

APPROVED FOR
CONSTRUCTION
CHARLOTTE-MECKLENBURG PLANNING DEPARTMENT
By: Joshua Weaver 8-29-2017

GENERAL NOTES

THIS PRELIMINARY SUBDIVISION PLAN IS SUBMITTED, AND SHALL BE CONSTRUCTED, IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF CHARLOTTE ZONING AND SUBDIVISION ORDINANCES, AND THE CHARLOTTE LAND DEVELOPMENT STANDARDS MANUAL. BOUNDARY SURVEY INFORMATION PER SURVEY PREPARED BY METROLINA ENGINEERING & SURVEYING. TOPOGRAPHIC INFORMATION TAKEN FROM FIELD SURVEY BY METROLINA ENGINEERING & SURVEYING. CHIEF SUBDIVISION INSPECTOR SHALL BE GIVEN 48 HOURS ADVANCE NOTICE PRIOR TO COMMENCEMENT OF CONSTRUCTION. LOT DIMENSIONS ARE APPROXIMATE, REFERENCE RECORD PLAT FOR EXACT LOT DIMENSIONS. ALL STORM DRAINAGE PIPE SHALL BE CLASS 3 REINFORCED CONCRETE PIPE (RCP) UNLESS OTHERWISE NOTED. PIPE LENGTHS INDICATED ON THE PLANS ARE APPROXIMATE AND ARE SUBJECT TO CHANGE DUE TO FIELD CONDITIONS. REFERENCE SHEETS 4 & 5 FOR EROSION CONTROL PLAN AND NOTES. REFERENCE SHEET 7 FOR EROSION CONTROL DETAILS. CONSTRUCTION OF ALL DEVELOPMENT IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE CHARLOTTE LAND DEVELOPMENT STANDARDS MANUAL. REFERENCE SHEET 7 FOR SITE DETAILS. THE FOLLOWING ADDITIONAL DETAILS ARE INCLUDED BY REFERENCE: ITEM CLD/NCDOT STD. NO.

APPROXIMATE COMPLETION TIME IS SPRING 2018.
WATER AND SANITARY SEWER SERVICE SHALL BE PROVIDED BY EXTENSION OF THE EXISTING CHARLOTTE-MECKLENBURG UTILITY SYSTEM.
SIDEWALK NOTE: THE CONTRACTOR SHALL COORDINATE WITH THE SUBDIVISION INSPECTOR FOR LATEST REVISION OF HANDICAP RAMP DETAILS PRIOR TO PLACEMENT OF ANY H/C RAMP AND/OR SIDEWALK.

COORDINATE ALL CURB AND STREET GRADES IN INTERSECTION WITH INSPECTOR. DEVELOPER WILL PROVIDE STREET SIGNS PER CLD/STAN 50.05 (F SIGN ONLY). SIGHT TRIANGLES SHOWN ARE THE MINIMUM REQUIRED. IN ROLLING AND HILLY TERRAINS, SKEWERS OF THE STONE BASE AND/OR APPLICATION OF A TACK COAT MAY BE REQUIRED NEAR INTERSECTIONS. THESE REQUIREMENTS WILL BE ESTABLISHED BY THE INSPECTOR AND BASED ON FIELD CONDITIONS. APPROVAL OF THIS PLAN IS NOT AN AUTHORIZATION TO GRADE ADJACENT PROPERTIES. WHEN FIELD CONDITIONS WARRANT OFF-SITE GRADING, PERMISSION MUST BE OBTAINED FROM THE AFFECTED PROPERTY OWNERS. IN ORDER TO ENSURE PROPER DRAINAGE, KEEP A MINIMUM OF 0.5% SLOPE ON THE CURB. SUBSURFACE DRAINAGE FACILITIES MAY BE REQUIRED IN THE STREET RIGHT-OF-WAY IF DEEMED NECESSARY BY THE INSPECTOR. THE PURPOSE OF THE STORM DRAINAGE EASEMENT (SDE) IS TO PROVIDE STORM WATER CONVEYANCE. BUILDINGS ARE NOT PERMITTED IN THE EASEMENT AREA, ANY OTHER OBJECTS WHICH IMPEDE STORM WATER FLOW OR SYSTEM MAINTENANCE ARE ALSO PROHIBITED. HIGH-DENSITY POLYETHYLENE (HDPE) STORM DRAINAGE PIPE INSTALLED WITHIN EXISTING OR PROPOSED PUBLIC RIGHT-OF-WAY MUST BE APPROVED BY THE CITY'S INSPECTOR PRIOR TO ANY BACKFILL BEING PLACED. BACKFILL MATERIAL MUST BE APPROVED BY THE CITY INSPECTOR PRIOR TO PLACEMENT OF THE MATERIAL WITHIN THE PUBLIC STREET RIGHT-OF-WAY. THE DEVELOPER SHALL MAINTAIN EACH STREAM, CREEK, OR BACKWASH CHANNEL IN AN UNOBTURATED STATE AND SHALL REMOVE FROM THE CHANNEL AND BANKS OF THE STREAM ALL DEBRIS, LOGS, TWIGS, JUNK AND OTHER ACCUMULATIONS. "AS-BUILT" DRAWINGS AND PLANS OF THE STORM DRAINAGE SYSTEM, INCLUDING DESIGNED DITCHES, MUST BE SUBMITTED PRIOR TO SUBDIVISION FINAL INSPECTION TO THE CITY/COUNTY ENGINEERING DEPARTMENT IN ACCORDANCE WITH THE CITY/COUNTY SUBDIVISION ORDINANCE. ANY BUILDINGS WITHIN THE 100' STORMWATER ELEVATION LINE IS SUBJECT TO THE RESTRICTIONS OF THE (CITY OF CHARLOTTE/MECKLENBURG COUNTY) SUBDIVISION ORDINANCE SECTION 12.00.8. ANY CONSTRUCTION OR USE WITHIN THE FUTURE CONDITIONS FLOOD FRINGE LINE IS SUBJECT TO THE RESTRICTIONS IMPOSED BY THE FLOODWAY REGULATIONS OF THE CITY OF CHARLOTTE AND MECKLENBURG COUNTY.

SIDEWALK NOTE: THE CONTRACTOR SHALL COORDINATE WITH THE SUBDIVISION INSPECTOR FOR LATEST REVISION OF HANDICAP RAMP DETAILS PRIOR TO PLACEMENT OF ANY H/C RAMP AND/OR SIDEWALK. COORDINATE ALL CURB AND STREET GRADES IN INTERSECTION WITH INSPECTOR. ALL OPENINGS (E.G. DOORS, WINDOWS, VENTS) IN STRUCTURES BUILT ON LOT #35 SHOULD BE LOCATED A MINIMUM OF ONE FOOT ABOVE THE ADJACENT FINISHED GROUND SURFACE (APPLIED TO LOTS WITH HAY EXPERIENCE SIGNIFICANT OVERLAND FLOW NOT CONSIDERED IN THE 100' FLOOD ANALYSIS).

PE SEALED SHOP DRAWINGS FOR RETAINING WALL MUST BE SUBMITTED TO CITY ENGINEER PRIOR TO CONSTRUCTION. PRIOR TO INSTALLATION, PE SEALED SHOP DRAWINGS FOR UNDERGROUND DETENTION SYSTEMS MUST BE FURNISHED TO CITY OF CHARLOTTE ENGINEERING FOR APPROVAL. PRIOR TO C.O. SURVEYOR SEALED AS-BUILT DRAWINGS OF ALL WATER QUALITY BMPs AND DETENTION SYSTEMS MUST BE PROVIDED. PRIOR TO FLAT RECONSTRUCTION OFF SITE R/LM AND/OR CONSTRUCTION EASEMENTS ARE REQUIRED TO BE OBTAINED ACCORDING TO THE GUIDELINES OF THE OFFSITE R/LM ACQUISITION PROCESS. THESE REQUIRED R/LM AND CONSTRUCTION LIMITS ARE CLEARLY SHOWN ON THE ROADWAY IMPROVEMENT PLAN. PER SECTION 18-175(D) OF CITY CODE AND SECTION 10.0 OF THE CITY'S POST CONSTRUCTION CONTROLS ADMINISTRATIVE MANUAL, ALL REQUIRED NATURAL AREAS AND/OR POST CONSTRUCTION CONTROLS EASEMENTS (PCEs) MUST BE RECORDED PRIOR TO THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY. THE DEVELOPER SHALL CONTACT THE CHARLOTTE DEPARTMENT OF TRANSPORTATION (605 JORDI, 704-336-1086) TO IDENTIFY ANY CONFLICTS WITH TRAFFIC SIGNALIZATION EQUIPMENT. 60-90 DAYS WILL BE REQUIRED TO COORDINATE RELOCATION. DEVELOPER SHALL BE RESPONSIBLE FOR ALL RELATED RELOCATION COST AND/OR ANY REPAIR COST CAUSED BY THE CONTRACTOR/DEVELOPER. CERTIFICATION AND STREET CUT PERMITS ARE REQUIRED FOR UTILITY CUTS ON CITY STREETS. ALLOW 1 DAYS PROCESSING FOR PERMIT. FOR INFORMATION CONTACT CHARLOTTE DEPARTMENT OF TRANSPORTATION (704-336-4029) OR VISIT [HTTP://WWW.CHARMECK.ORG/DEPARTMENTS/TRANSPORTATION/STREET-MAINTENANCE/HOME.HTM](http://www.charmeck.org/departments/transportation/street-maintenance/home.htm). NON-STANDARD ITEMS (E. PAVERS, IRRIGATION SYSTEMS, ETC.) IN THE RIGHT-OF-WAY REQUIRE A RIGHT-OF-WAY ENCROACHMENT AGREEMENT WITH THE CHARLOTTE DEPARTMENT OF TRANSPORTATION ORTH CAROLINA DEPARTMENT OF TRANSPORTATION BEFORE INSTALLATION. FOR CITY OF CHARLOTTE MAINTAINED STREETS, CONTACT CDOT AT (704) 336-3888. SIDEWALK WITHIN THE CITY'S R/W THAT REQUIRES REPLACEMENT AS PART OF THE DEVELOPMENT AND/OR STREET IMPROVEMENTS SHOULD BE PHASED IN SUCH A WAY AS TO MINIMIZE THE DURATION OF THE SIDEWALK CLOSURE TO THE EXTENT FEASIBLE. THE DEVELOPER SHOULD MAKE EVERY ATTEMPT TO HAVE SIDEWALK REPAIRED AND REOPENED FOR PUBLIC USE WITHIN 30 DAYS OF REMOVAL. ANY WORK WITHIN THE CITY'S R/W THAT REQUIRES CLOSURE OF THE SIDEWALK OR TRAVEL LANE FOR LESS THAN 30 DAYS REQUIRES A R/W USE PERMIT. TRAFFIC CONTROL PLANS FOR ANY SIDEWALK OR TRAVEL LANE CLOSURES MUST BE SUBMITTED AS PART OF THE R/W USE PERMIT REQUEST. TRAFFIC CONTROL PLANS MUST BE IN ACCORDANCE WITH CDOT'S WORK AREA TRAFFIC CONTROL HANDBOOK (WATCH) AND MUST BE REVIEWED AND APPROVED. CONTRACTOR SHALL CONTACT CDOT AT LEAST 5 BUSINESS DAYS IN ADVANCE OF BEGINNING OF WORK AT (704) 432-1862. RIGHT-OF-WAY CLOSURES LONGER THAN 30 DAYS REQUIRE A R/W LEASE AGREEMENT WHICH WILL INCLUDE THE SUBMITTAL OF A TRAFFIC CONTROL PLAN. ANY R/W LEASE AGREEMENT THROUGH A LEASE AGREEMENT MAY BE DIFFERENT FROM THE ONE REQUIRED DURING THE LAND DEVELOPMENT PLAN REVIEW AND ARE SUBJECT TO REVISIONS. THE REVISED TRAFFIC CONTROL PLANS MUST BE SUBMITTED AS PART OF THE LEASE AGREEMENT PROCESS FOR APPROVAL. PRIOR TO START OF R/W CLOSURES, CONTRACTOR SHALL CONTACT CDOT AT (704) 336-8346. CONSTRUCTION STAYS WITHIN CITY R/W LASTING MORE THAN 30 DAYS REQUIRES A R/W LEASE AGREEMENT. CONTRACTOR SHALL CONTACT CDOT AT (704) 336-8346.

TREESAVE AREA MUST HAVE INVASIVE PLANTS INCLUDING ENGLISH IVY REMOVED PRIOR TO THE FIRST CERTIFICATE OF OCCUPANCY BEING ISSUED. ANY GAPS IN THE EXISTING TREESAVE AREA WILL BE PLANTED WITH 2" CALIBER LARGE MATURING TREES FROM THE APPROVED SPECIES LIST. COORDINATE WITH URBAN FORESTRY SPECIALIST. COMMON OPEN SPACE TO BE CONVERTED TO THE HOMEOWNERS ASSOCIATION IN ACCORDANCE WITH THE CHARLOTTE ZONING ORD. 12.09. COMMON OPEN SPACE/ TREESAVE AREA TO REMAIN IN A NATURAL STATE. AREAS TO BE CLEARED OF TRASH AND DEBRIS. NO DEMOLITION LANDFILLS WILL BE LOCATED ON THIS SITE. TREE PROTECTION BARRICADES MUST MEET OR EXCEED TREE ORD. GUIDELINES STD. TREE BARRICADES MUST BE INSTALLED BEFORE ANY DEMOLITION/GRADING/CONSTRUCTION AND NOT REMOVED UNTIL AFTER FINAL INSPECTION BY URBAN FORESTRY STAFF. NO SOIL DISTURBANCE OR CONSTRUCTION, CONSTRUCT, MATLS, TRAFFIC, BURIAL, FITS, TRENCHING OR OTHER LAND DISTURBING ACTIVITY ALLOWED IN TREE SAVE AREA. VIOLATIONS OF THE TREE PROTECTION REQUIREMENTS ARE SUBJECT TO FINES, AND/OR IMMEDIATE CORRECTIVE ACTION/NOTIFICATION. DEVELOPER TO CONTACT CDOT (STEPHEN BOLT, 704-432-5561) DURING SITE PLAN PREPARATION TO DISCUSS STREET LIGHTING REQUIREMENTS, IF ANY, FOR THE PROJECT. COORDINATE WITH DUKE ENERGY AND CDOT AS NECESSARY TO DETERMINE LIGHTING LEVELS, LIGHTING LAYOUT AND REQUIREMENTS FOR INSTALLATION. SITE BENCHMARK FOR PROJECT IS THE RIM OF AN EXISTING SAN. SHR. MH IN RIBBONWALK TRAIL, ELEV. = 778.26 (NAVD8 1988).

KENNEY DESIGN GROUP, PA
C-1986
1216 PARSONS TRAIL
DENVER, NORTH CAROLINA 28037
PH: 704/377-6099
EMAIL: KENNEY@KENNEYDESIGN.COM

Engineering
Land Planning
Land Surveying

Scale: 1"=60'
Date: 6/23/17
Drawn By: MKK
Designed By: MKK
Job No.: 0717

Preliminary Subdivision Site Plan
BrookeDale
City of Charlotte, Mecklenburg County, North Carolina
BrookeDale LLC, 275 Thornburg Rd., Dallas, NC 28034

Sheet No. 1 of 10



APPROVED
By Jack Fulghum at 11:19 am, Aug 17, 2017

APPROVED

APPROVED
By Stan Armstrong at 11:18 pm, Aug 24, 2017

APPROVED

as noted on
sheets 3 & 4

CURVE TABLE

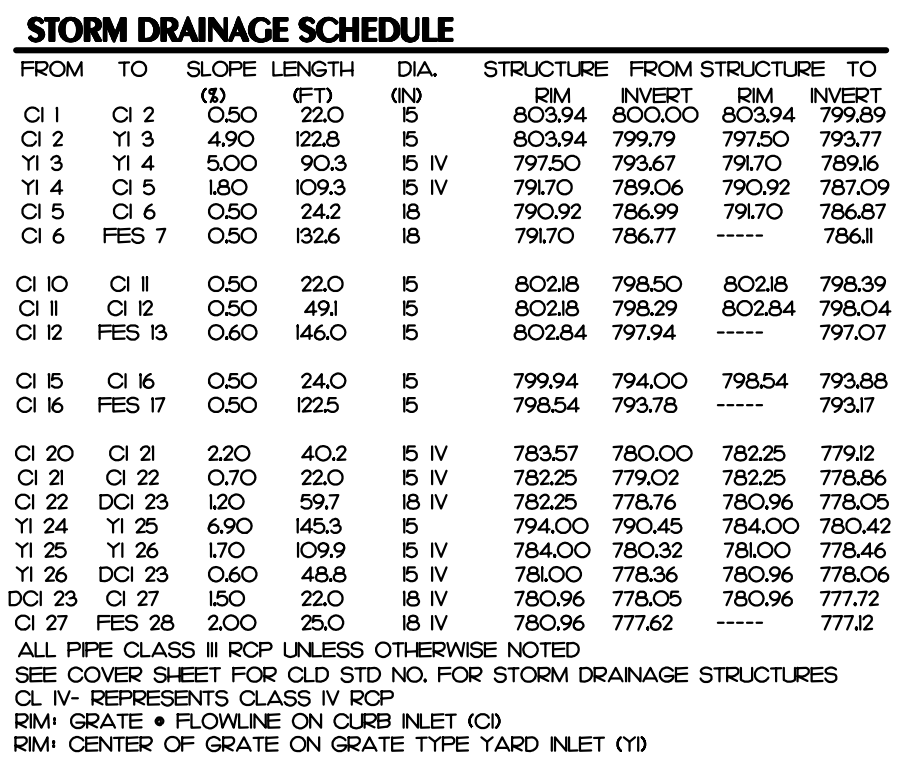
| CURVE | LENGTH | RADIUS | CHORD | DIRECTION |
|-------|--------|--------|--------|-------------|
| C-1 | 85.99' | 50.00' | 44.20' | N68°28'09"W |
| C-2 | 83.76' | 50.00' | 43.00' | S68°53'42"E |
| C-3 | 53.29' | 50.00' | 26.90' | S74°43'34"E |
| C-4 | 200.0' | 50.00' | 10.52' | S09°29'12"W |

| SINGLE FAMILY LOT SIZE (SF) | MAX. BLDG COVERAGE |
|-----------------------------|--------------------|
| UP TO 4,000 | 50% |
| 4,001 - 6,500 | 45% |
| 6,501 - 8,500 | 40% |
| 8,501 - 15,000 | 35% |
| 15,001 OR GREATER | 30% |


THE MAXIMUM BUA IS 2600 SF PER LOT

BUILD-UPON AREA (BUA) MEANS THAT PORTION OF A PROPERTY THAT IS COVERED BY IMPERVIOUS OR PARTIALLY IMPERVIOUS SURFACE INCLUDING, BUT NOT LIMITED TO, BUILDINGS, PAVEMENT AND GRAVEL AREAS SUCH AS ROADS, PARKING LOTS, AND PATHS, AND RECREATION FACILITIES SUCH AS TENNIS COURTS (ACTIVITY FIELDS THAT HAVE BEEN DESIGNED TO REMOVE PLACEMENT OF RUNOFF, SUCH AS COMPACTED AND GRADING OR INSTALLATION OF SODDED TURF AND UNDERGROUND CONSIDERED BUILT-UPON AREA). BUILT-UPON AREA DOES NOT INCLUDE A WOODEN SLATTED DECK OR THE WATER AREA OF A SWIMMING POOL.

| | | |
|--------------------------------------|----------------|-----------|
| ORIGINAL PARCEL # | 045-381-01 | |
| DEVELOPMENT TYPE | RESIDENTIAL | |
| SUBJECT TO PCCO (Y/N) ? | YES | |
| IF NO, WHY? | | |
| WATERSHED | CENTRAL CANYON | |
| DISTURBED AREA (AC) | 12.0 AC | |
| SITE AREA (AC) | 16.0 AC | |
| | DA #1 | DA #2 |
| TOTAL ON-SITE DA (AC) | 6.6 AC | 5.9 AC |
| EXIST. BUA (SF) | 0 SF | 0 SF |
| EXIST. BUA TO BE REMOVED (SF) | 0 SF | 0 SF |
| EXIST. BUA TO REMAIN (SF) | 0 SF | 0 SF |
| PROF. NEW BUA (SF) | 11,356 SF | 61,652 SF |
| PROF. & BUA | 94 % | 38 % |
| DENSITY (HIGH/LOW) | HIGH | HIGH |
| TOT. POST-PROJ. BUA FOR SITE | 11,356 SF | 47,652 SF |
| DEVELOPMENT OR REDEVELOPMENT? | DEVELOPMENT | |
| NATURAL AREA REG (AC) | 2.80 AC | |
| NATURAL AREA PROV (AC) | 2.80 AC | |
| INDIST. TREED NATURAL AREA PRESERVED | 4.04 AC | |
| TOT STREAM BUFFER PROT (AC) | 0 | |
| TRANSIT STA. AREA (Y/N) | N | |
| DISTRESSED BUS. DIST (Y/N) | N | |
| MITIGATION TYPE (IF APPLICABLE) | | |
| NATURAL AREA MITIGATION (Y/N) | N | |
| BUFFER MITIGATION (Y/N) | N | |
| TOT PHOSPHOROUS MITIGATION (Y/N) | N | |

[illegible]

REVISIONS:
 • 02/11 REVISED PER CED, CMPC, CDOT • NCDOT REVIEW



SEEDBED PREPARATION NOTES

1. SURFACE WATER CONTROL FEATURES SHALL BE INSTALLED PER APPROVED PLAN. AREAS TO BE SEEDD SHALL BE RIPPED AND SPREAD WITH AVAILABLE TOPSOIL 3" DEEP. TOTAL SEEDBED PREPARED DEPTH SHALL BE 4" TO 6" DEEP.
2. LOOSE ROCKS, ROOTS AND OTHER OBSTRUCTIONS SHALL BE REMOVED FROM THE SURFACE SO THAT THEY WILL NOT INTERFERE WITH ESTABLISHMENT AND/OR MAINTENANCE OF VEGETATION. SURFACE FOR FINAL SEED BED PREPARATION AT FINISH GRADES SHOWN, SHALL BE REASONABLY SMOOTH AND UNIFORM.
3. IF NO SOIL TEST IS TAKEN, FERTILIZER AND LIME SHALL BE APPLIED ACCORDING TO SEEDING SPECIFICATIONS.
4. IF SOIL TEST IS TAKEN, PROVIDE FERTILIZER AND LIME ACCORDING TO SOIL TEST REPORT.
5. FERTILIZER AND LIME SHALL BE APPLIED UNIFORMLY AND MIXED WITH THE SOIL DURING SEEDBED PREPARATION.
6. GRADED SLOPES AND FILLS: THE ANGLES FOR GRADED SLOPES SHALL BE NO GREATER THAN THE ANGLE WHICH CAN BE RETAINED BY VEGETATIVE COVER OR OTHER ADEQUATE EROSION CONTROL MEASURES. IN ANY EVENT, SLOPES LEFT EXPOSED SHALL, WITHIN 7 CALENDAR DAYS OF COMPLETION OF ANY PHASE OF GRADING, BE PLANTED OR OTHERWISE PROVIDED WITH GROUND COVER OR OTHER ADEQUATE EROSION CONTROL MEASURES SUFFICIENT TO RESTRAIN EROSION. MAXIMUM SLOPE IS 2:1.
7. GROUND COVER: WHENEVER LAND DISTURBING ACTIVITY IS UNDERTAKEN ON A TRACT COMPRISING MORE THAN ONE (1) ACRE, IF MORE THAN ONE (1) CONTIGUOUS ACRE IS UNCOVERED, A GROUND COVER SUFFICIENT TO RESTRAIN EROSION MUST BE PLANTED OR OTHERWISE PROVIDED WITHIN 7 CALENDAR DAYS ON THAT PORTION OF THE TRACT UPON WHICH FURTHER ACTIVE CONSTRUCTION IS NOT BEING UNDERTAKEN.

SEEDING SPECIFICATIONS

FOR LATE WINTER AND
EARLY SPRING

SEEDING MIXTURE
RYE (GRAIN) - 120 LB/ACRE
ANNUAL LESPEDEZA (KOBLE) - 50 LB/ACRE
(OAT ANNUAL LESPEDEZA WHEN DURATION
OF TEMPORARY COVER IS NOT TO EXCEED
BEYOND JUNE)

SEEDING DATES
JAN 1 - MAY 1

FOR SUMMER:

SEEDING MIXTURE
GERMAN MILLET - 40 LB/ACRE
(A SMALL-STEMMED SUBGRASS MAY BE
SUBSTITUTED AT A RATE OF 50 LB/ACRE)

SEEDING DATES
MAY 1 - AUG 15

FOR FALL:

SEEDING MIXTURE
RYE (GRAIN) - 120 LB/ACRE
SEEDING DATES
AUG 15 - DEC 30

FOR ADDITIONAL INFORMATION REFER TO NC DENR EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL (ESCPDM),
SECTION 6.10 FOR PERMANENT SEEDING SPECIFICATIONS, INCLUDING SEED BED PREP, SEASONAL LIMITATIONS FOR SEEDING
OPERATIONS, THE KINDS OF GRASSES OR FERTILIZERS, THE KINDS OF SEED, AND THE RATES OF APPLICATION OF LIME, FERTILIZER, AND
FERTILIZER, AND SEED. REFER TO NC DENR ESCPDM SECTION 6.11 AT THE CHARLOTTE LANDSCAPE CONSTRUCTION STANDARDS
SECTION 04200 SEEDING AND SODDING OF TURFGRASS.

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

MULCH
APPLY 4,000 LB/ACRE STRAIN. ANCHOR STRAIN 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.

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

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

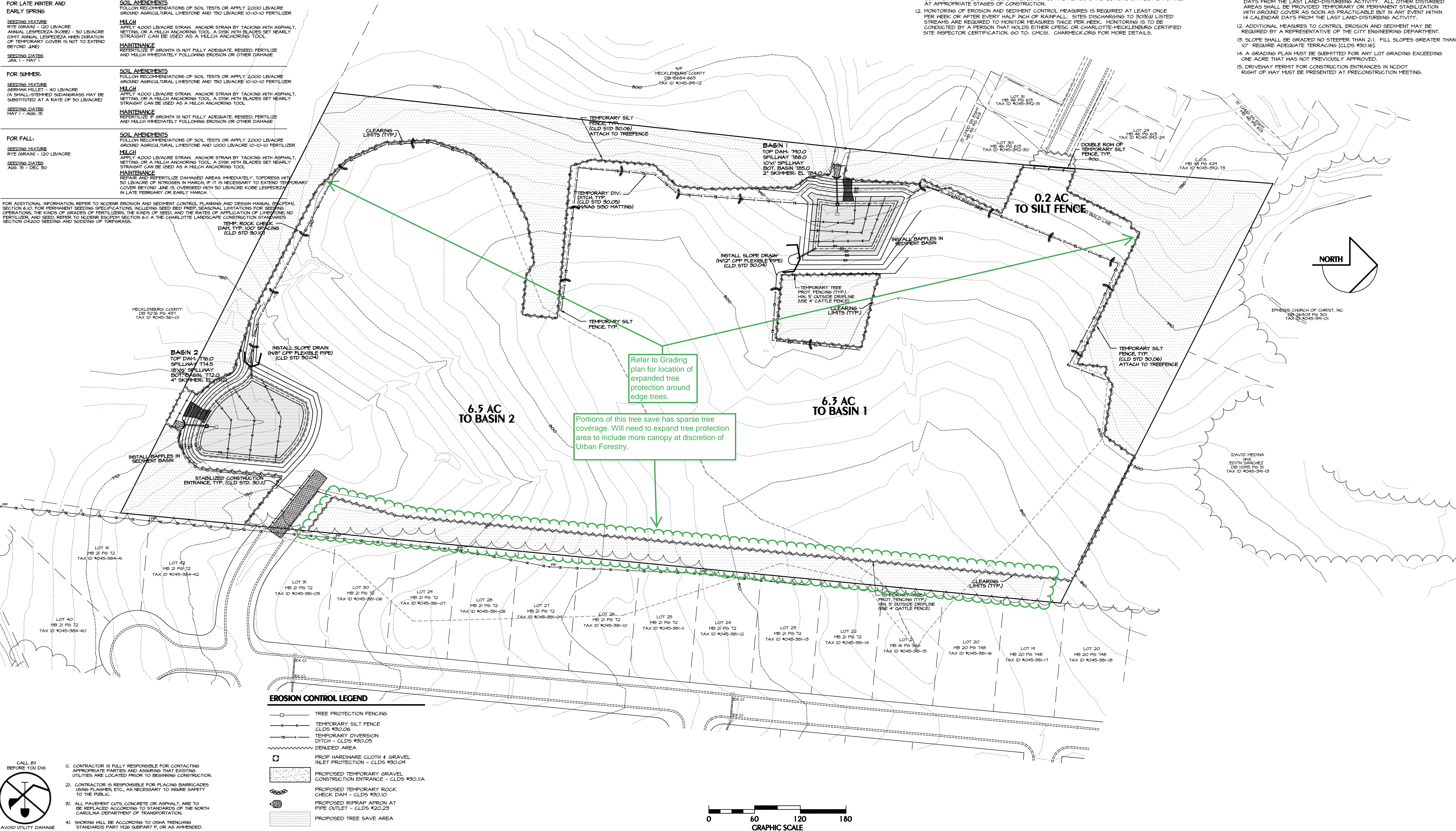
MULCH
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STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

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

SOIL AMENDMENTS
FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/ACRE
GROUND AGRICULTURAL LIMESTONE AND 1,000 LB/ACRE 10-10-10 FERTILIZER

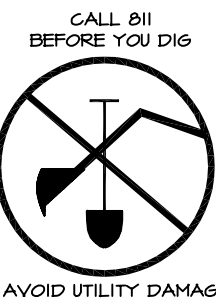
MULCH
APPLY 4,000 LB/ACRE STRAIN. ANCHOR STRAIN BY TACKING WITH ASPHALT,
NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY
STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE
REFERTILIZE DAMAGED AREAS IMMEDIATELY. TOPDRESS WITH
50 LB/ACRE OF NITROGEN IN MARCH, IF IT IS NECESSARY TO EXTEND TEMPORARY
COVER BEYOND LATE FEBRUARY OR EARLY MARCH.



EROSION CONTROL LEGEND

- TREE PROTECTION FENCING
- TEMPORARY SILT FENCE
CLDS #30.06
- TEMPORARY DIVERSION
DITCH - CLDS #30.05
- DENIED AREA
- PROP HARDWARE CLOTH & GRAVEL
INLET PROTECTION - CLDS #30.04
- PROPOSED TEMPORARY GRAVEL
CONSTRUCTION ENTRANCE - CLDS #30.11A
- PROPOSED TEMPORARY ROCK
CHECK DAM - CLDS #30.10
- PROPOSED RIPRAP APRON AT
PIPE OUTLET - CLDS #20.23
- PROPOSED TREE SAVE AREA



1. CONTRACTOR IS FULLY RESPONSIBLE FOR CONTACTING
APPROPRIATE PARTIES AND ASSURING THAT EXISTING
UTILITIES ARE LOCATED PRIOR TO BEGINNING CONSTRUCTION.
2. CONTRACTOR IS RESPONSIBLE FOR PLACING BARRICADES
USING FLAGMEN, ETC., AS NECESSARY TO INSURE SAFETY
TO THE PUBLIC.
3. ALL PAVEMENT CUTS, CONCRETE OR ASPHALT, ARE TO
BE REPLACED ACCORDING TO STANDARDS OF THE NORTH
CAROLINA DEPARTMENT OF TRANSPORTATION.
4. SHORING SHALL BE ACCORDING TO OSHA TRENCHING
STANDARDS PART 1926 SUBPART F, OR AS AMENDED.

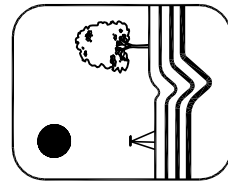
CONSTRUCTION SEQUENCE

1. OBTAIN GRADING/EROSION CONTROL PLAN APPROVAL FROM THE CITY OF CHARLOTTE
ENGINEERING DEPARTMENT.
2. SET UP PRE-CONSTRUCTION CONFERENCE WITH EROSION CONTROL INSPECTOR OF CITY
ENGINEERING DEPT. TO DISCUSS EROSION CONTROL MEASURES. FAILURE TO SCHEDULE
SUCH CONFERENCE 48 HOURS PRIOR TO ANY LAND DISTURBING ACTIVITY IS A VIOLATION
OF CHAPTER 17 OF THE CITY CODE AND IS SUBJECT TO A FINE.
3. INSTALL SILT FENCE, INLET PROTECTION, SEDIMENT TRAPS, DIVERSION DITCHES, TREE
PROTECTION, AND OTHER MEASURES AS SHOWN ON PLANS. PROTECTION AND OTHER
MEASURES AS SHOWN ON PLANS, CLEARING ONLY AS NECESSARY TO INSTALL THESE DEVICES.
4. CALL FOR ON-SITE INSPECTION BY INSPECTOR. WHEN APPROVED, INSPECTOR ISSUES THE
GRADING PERMIT AND CLEARING AND GRUBBING MAY BEGIN.
5. FOR PHASED EROSION CONTROL PLANS, CONTRACTOR SHALL MEET W/ INSPECTOR PRIOR
TO COMMENCING WITH EACH PHASE OF EROSION CONTROL MEASURES.
6. AS LOTS ARE PREPARED FOR HOUSE CONSTRUCTION ADD EC MEASURES AS SHOWN ON
THE LOTS EC PLAN INSERT AND IDENTIFIED ON THE PLAN.
7. STABILIZE SITE AS IT IS BROUGHT TO FINISHED GRADE.
8. COMPLETE IMPROVEMENTS.
9. COORDINATE WITH EROSION INSPECTOR PRIOR TO REMOVAL OF EROSION CONTROL MEASURES
10. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE N.C.
EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL, U.S. DEPT. OF AGRICULTURE
U.S. SOIL CONSERVATION SERVICE, CITY OF CHARLOTTE EROSION CONTROL ORDINANCE,
AND THE CHARLOTTE LAND DEVELOPMENT STANDARDS MANUAL.
11. THE CONTRACTOR SHALL DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION CONTROL
DEVICES AND STRUCTURES TO MINIMIZE EROSION. THE CONTRACTOR SHALL MAINTAIN CLOSE
CONTACT WITH THE CITY EROSION INSPECTOR SO THE PERIODIC INSPECTIONS CAN BE PERFORMED
AT APPROPRIATE STAGES OF CONSTRUCTION.
12. MONITORING OF EROSION AND SEDIMENT CONTROL MEASURES IS REQUIRED AT LEAST ONCE
PER WEEK OR AFTER EVERY HALF INCH OF RAINFALL. SITES DISCHARGING TO 30860 LISTED
STREAMS ARE REQUIRED TO MONITOR MEASURES TWICE PER WEEK. MONITORING IS TO BE
CONDUCTED BY A PERSON THAT HOLDS EITHER CPESC OR CHARLOTTE-MECKLENBURG CERTIFIED
SITE INSPECTOR CERTIFICATION. GO TO: CMCS1. CHARCHECK.ORG FOR MORE DETAILS.

EROSION CONTROL NOTES

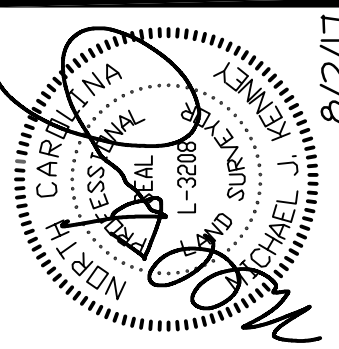
1. THIS EROSION CONTROL PLAN IS PREPARED IN ACCORDANCE WITH THE
CITY OF CHARLOTTE SEDIMENTATION AND EROSION CONTROL ORDINANCE.
2. TOTAL PROJECT AREA: 14.0 ACRES; TOTAL DISTURBED AREA: 12.0 ACRES.
3. SOIL CLASSIFICATION: CECIL # 1EN0.
4. FINAL LOCATION OF SILT FENCE SHALL BE DETERMINED IN THE FIELD BASED
ON ACTUAL SITE CONDITIONS.
5. SIB PIPES TO SEDIMENT BASINS, INSTALL FLARED END SECTIONS AFTER
SITE IS STABILIZED.
6. ANY LAND DISTURBING ACTIVITY > 1 ACRES REQUIRES COMPLIANCE WITH ALL
CONDITIONS OF THE GENERAL PERMIT TO DISCHARGE STORM WATER UNDER
THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM. ANY PERMIT NON-
COMPLIANCE IS A VIOLATION OF THE CLEAN WATER ACT AND MAY REQUIRE
ENFORCEMENT ACTION BY THE DENR.
7. ALL "STD" NUMBERS REFER TO THE CHARLOTTE LAND DEVELOPMENT
STANDARDS MANUAL.
8. ON-SITE BURIAL PITS REQUIRE AN ON-SITE DEMOLITION LANDFILL PERMIT
FROM THE ZONING ADMINISTRATOR.
9. ANY GRADINGS BEYOND THE DENIED LIMITS SHOWN ON THE PLAN IS A
VIOLATION OF THE CITY/ COUNTY EROSION CONTROL ORDINANCE AND IS
SUBJECT TO A FINE.
10. GRADINGS MORE THAN ONE ACRE WITHOUT AN APPROVED EROSION CONTROL
PLAN IS A VIOLATION OF THE CITY/ COUNTY EROSION CONTROL ORDINANCE
AND IS SUBJECT TO A FINE.
11. ALL PERIMETER DIKES, SHALES, DITCHES, PERIMETER SLOPES AND
ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1) SHALL BE
PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND
COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 7 CALENDAR
DAYS FROM THE LAST LAND-DISTURBING ACTIVITY. ALL OTHER DISTURBED
AREAS SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION
WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN
14 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.
12. ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE
REQUIRED BY A REPRESENTATIVE OF THE CITY ENGINEERING DEPARTMENT.
13. SLOPE SHALL BE GRADED NO STEEPER THAN 2:1. FULL SLOPES GREATER THAN
10' REQUIRE ADEQUATE TERRACING (CLDS #30.16).
14. A GRADING PLAN MUST BE SUBMITTED FOR ANY LOT GRADINGS EXCEEDING
ONE ACRE THAT HAS NOT PREVIOUSLY APPROVED.
15. DRIVEN/AY PERMIT FOR CONSTRUCTION ENTRANCES IN NC DOT
RIGHT OF WAY MUST BE PRESENTED AT PRECONSTRUCTION MEETING.

KENNEY DESIGN
GROUP, PA



C-1986
1216 PARSONS TRAIL
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Revisions:
1. 8/20/17 REVISED PER CED CMPC, CDDT & NC DOT REVIEW



Scale: 1"=60'
Date: 6/23/17
Drawn By: MK
Designed By: MK
Job No.: 0717

EROSION CONTROL PLAN - (PRE) STORM DRAINAGE

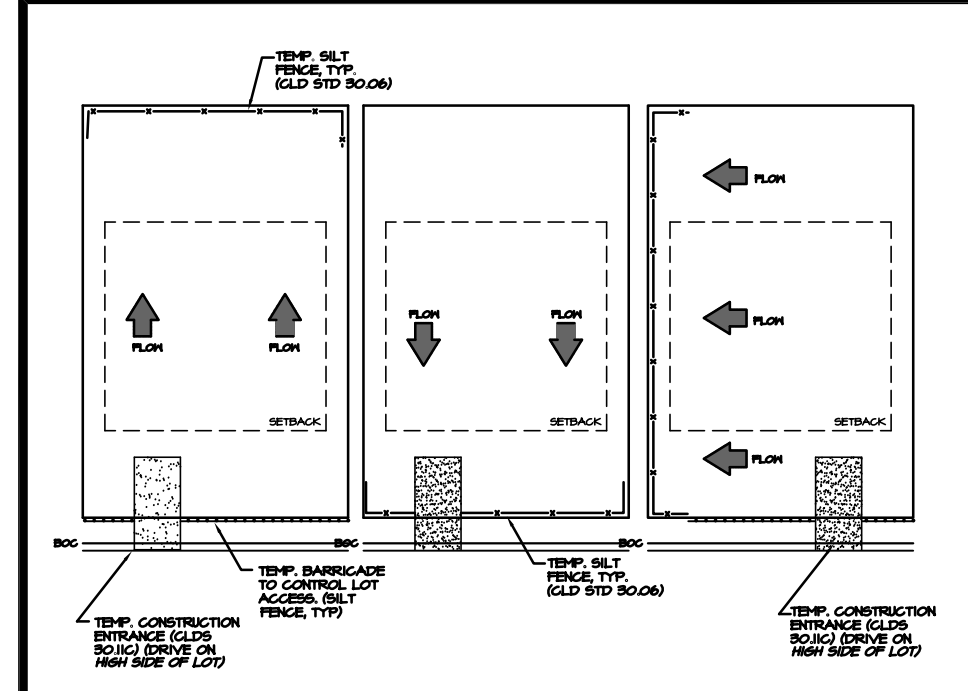
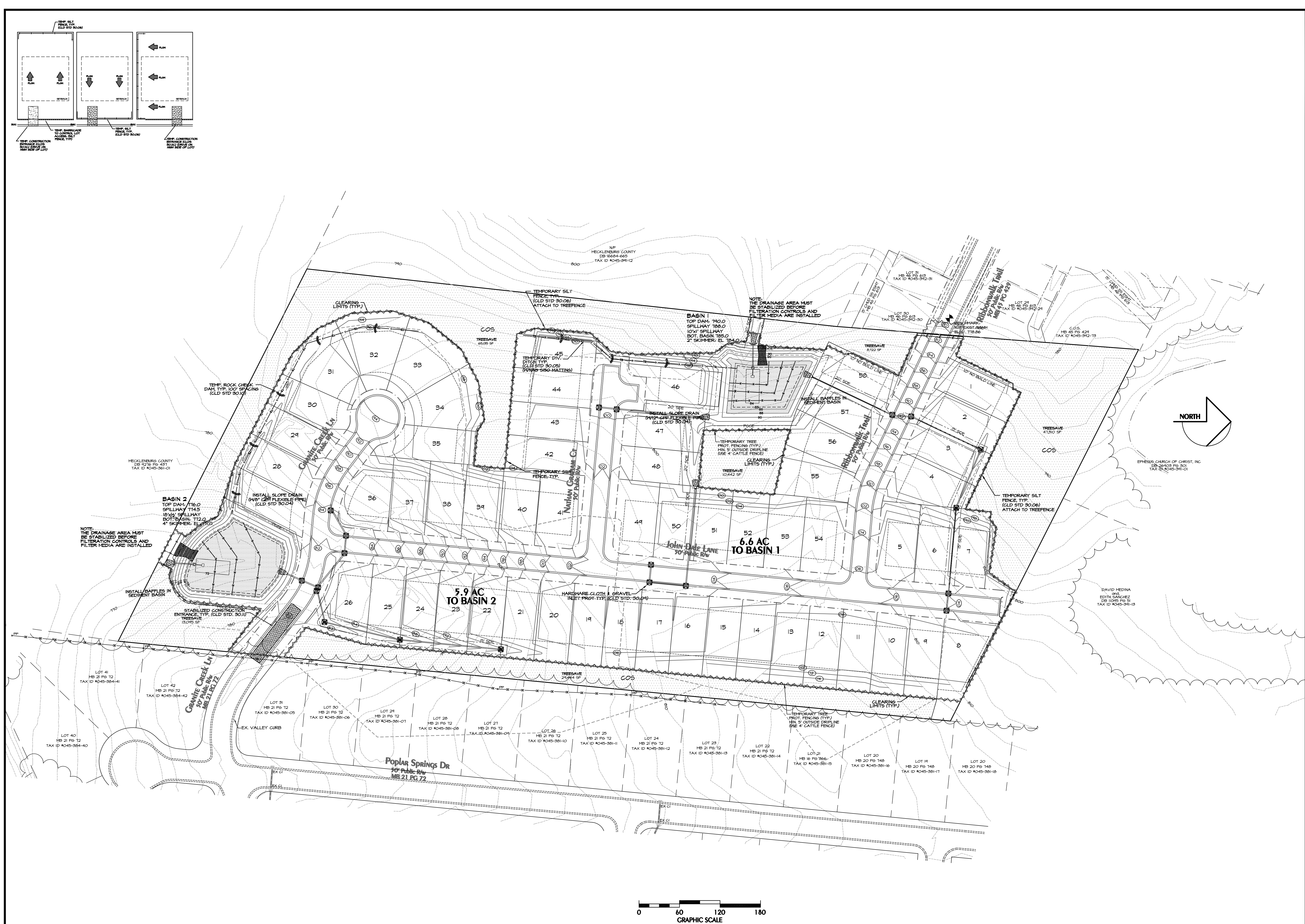
BrookeDale

City of Charlotte, Mecklenburg County, North Carolina
BrookeDale LLC, 275 Thornburg Rd., Dallas, NC 28034

Sheet No.

4

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of

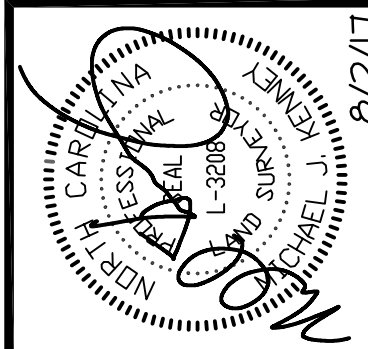


EROSION CONTROL PLAN - (Post) Storm Drainage

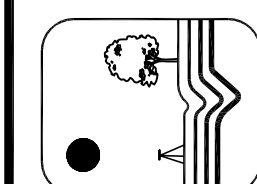
BrookeDALE

City of Charlotte, Mecklenburg County, North Carolina
BrookeDALE LLC, 275 Thornburg Rd., Dallas, NC 28034

| | |
|--------------|---------|
| Scale: | 1"=60' |
| Date: | 6/23/17 |
| Drawn By: | MIK |
| Designed By: | MIK |
| Job No.: | 0717 |



Revisions:
1. 8/2/17 REVISED PER CED, CARP, CDOT & NCDOT REVIEW



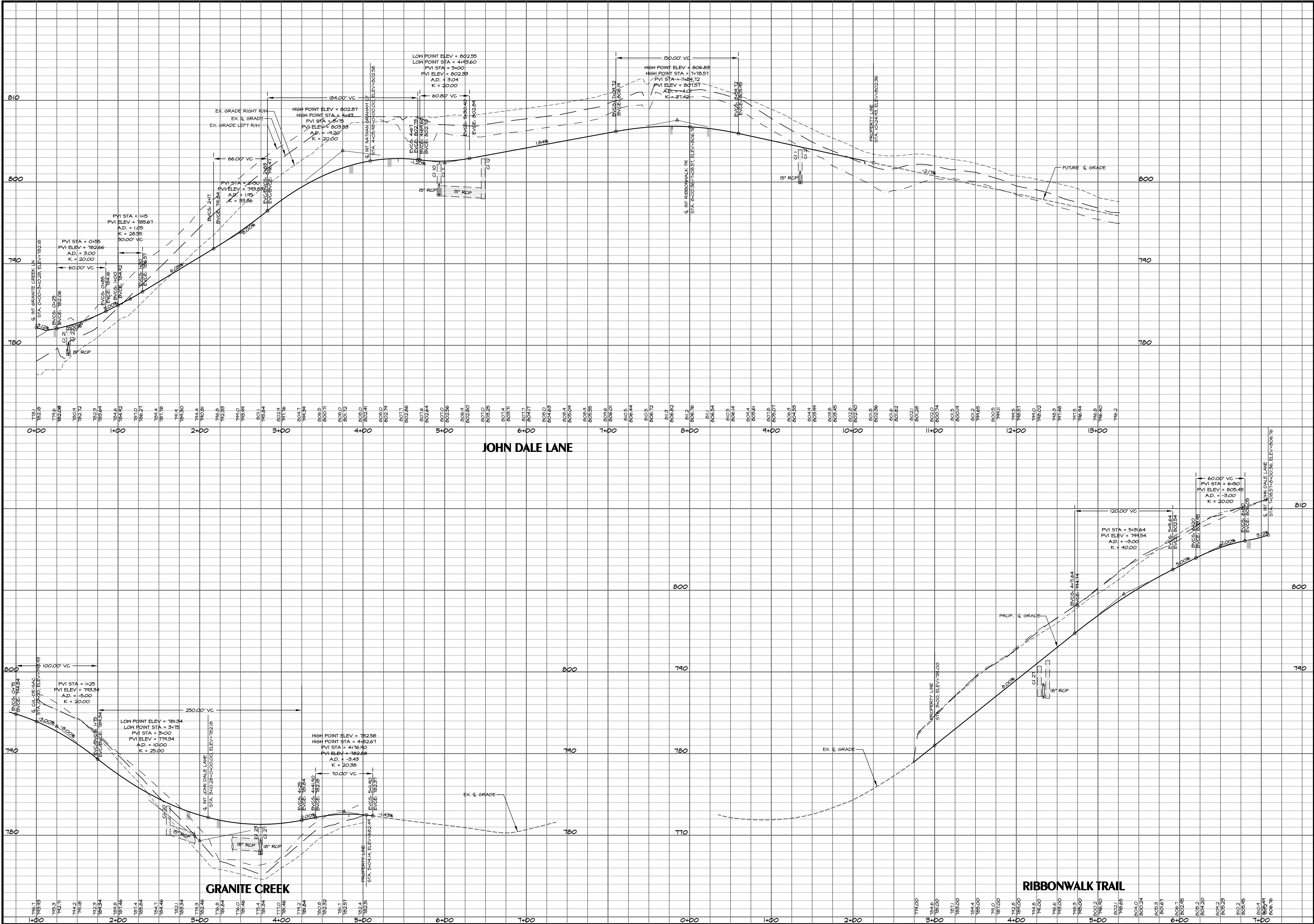
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of 10



Sheet No. 6 of 10

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Engineering
Land Planning
Land Surveying

C-1986

Revisions:
1. 02/17 REVISED PER CED, CANS, CDDT & NCDDT REVIEW

8/2/17

8/2/17

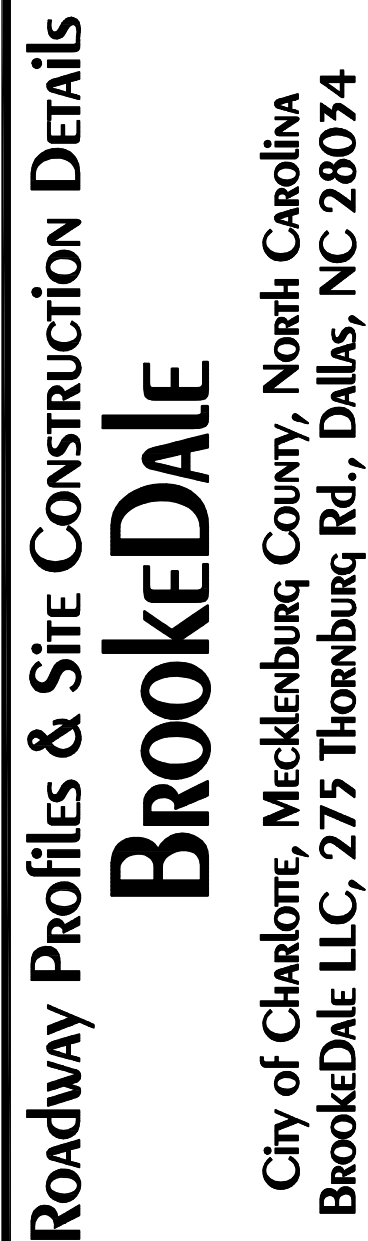
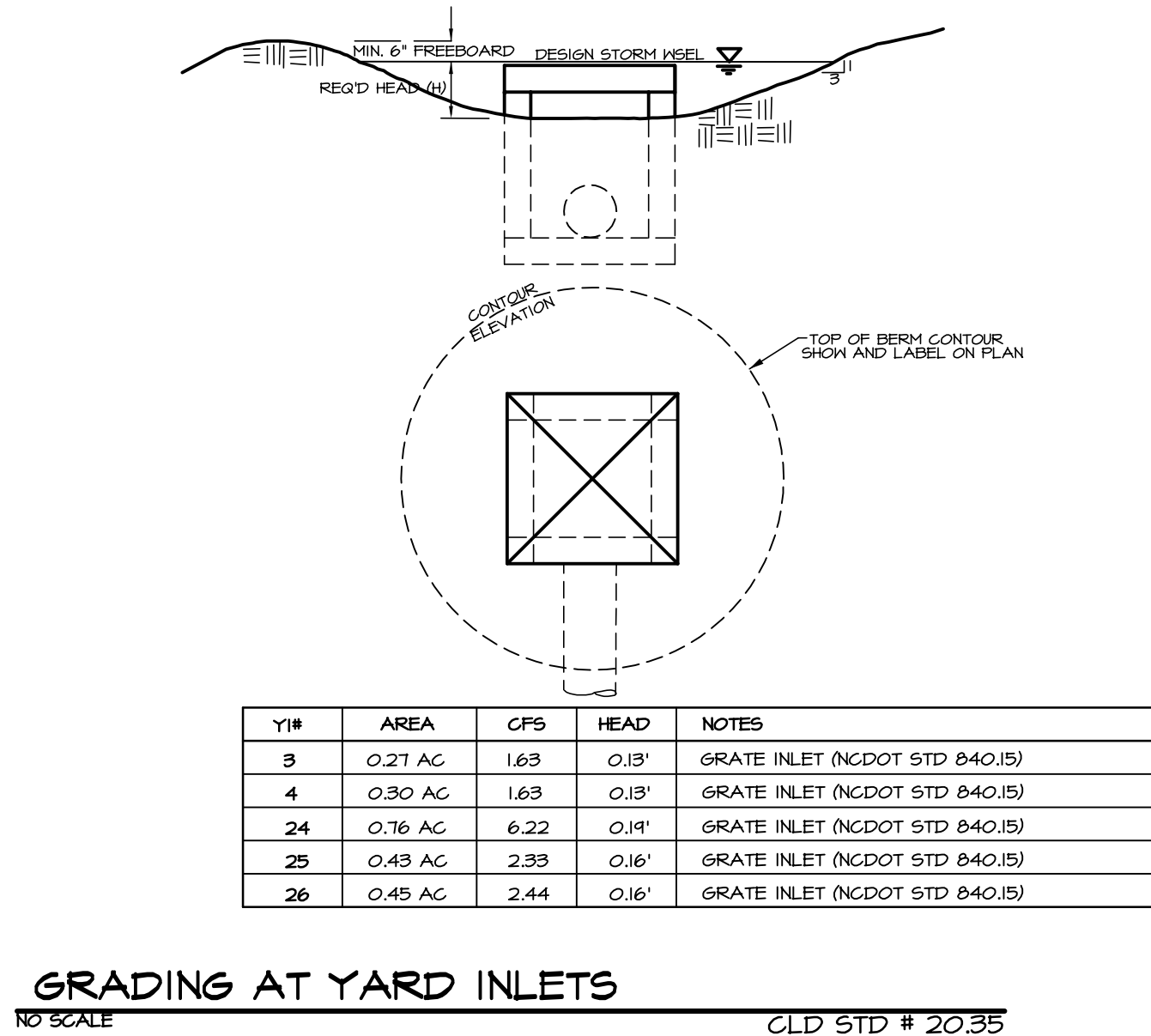
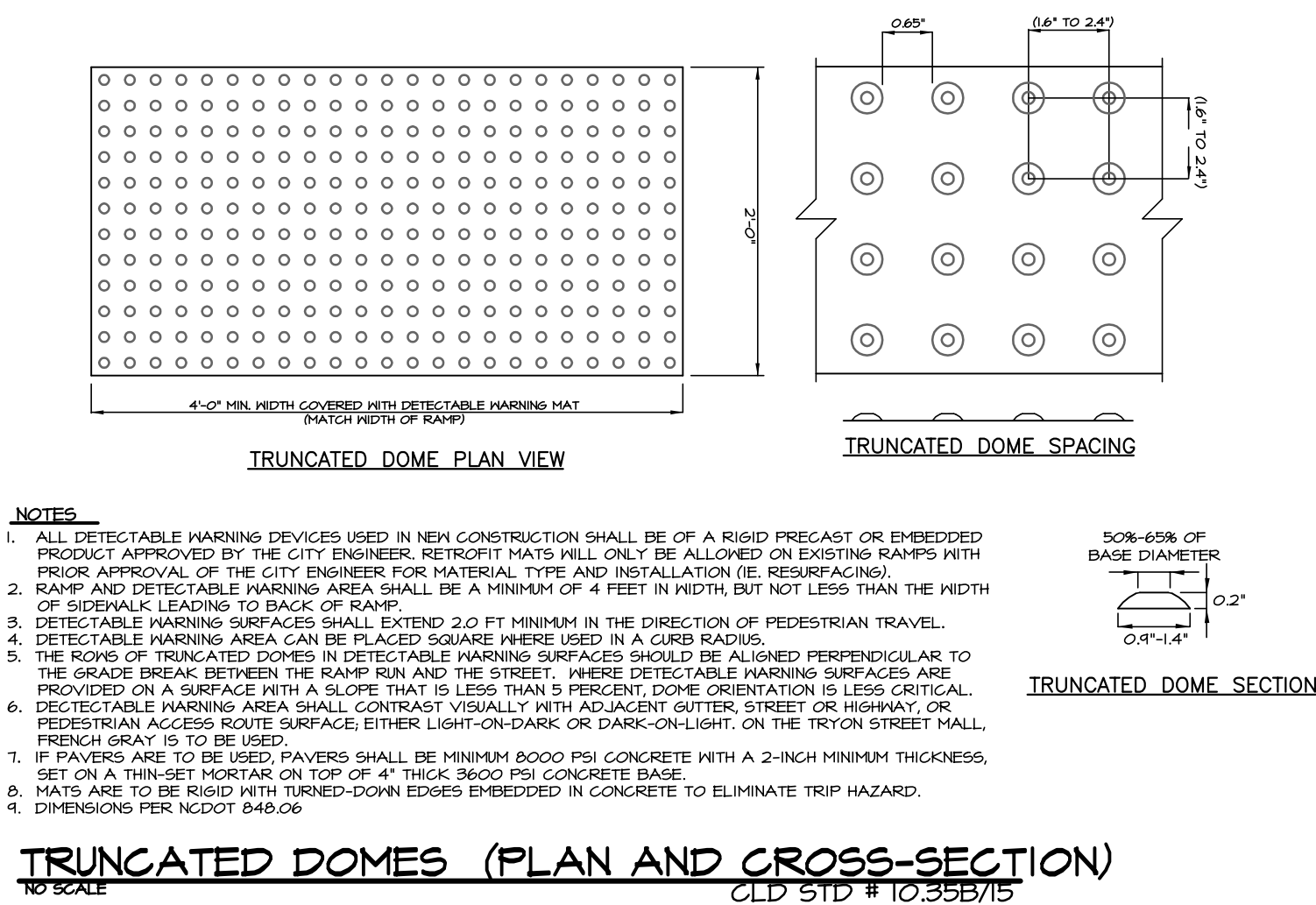
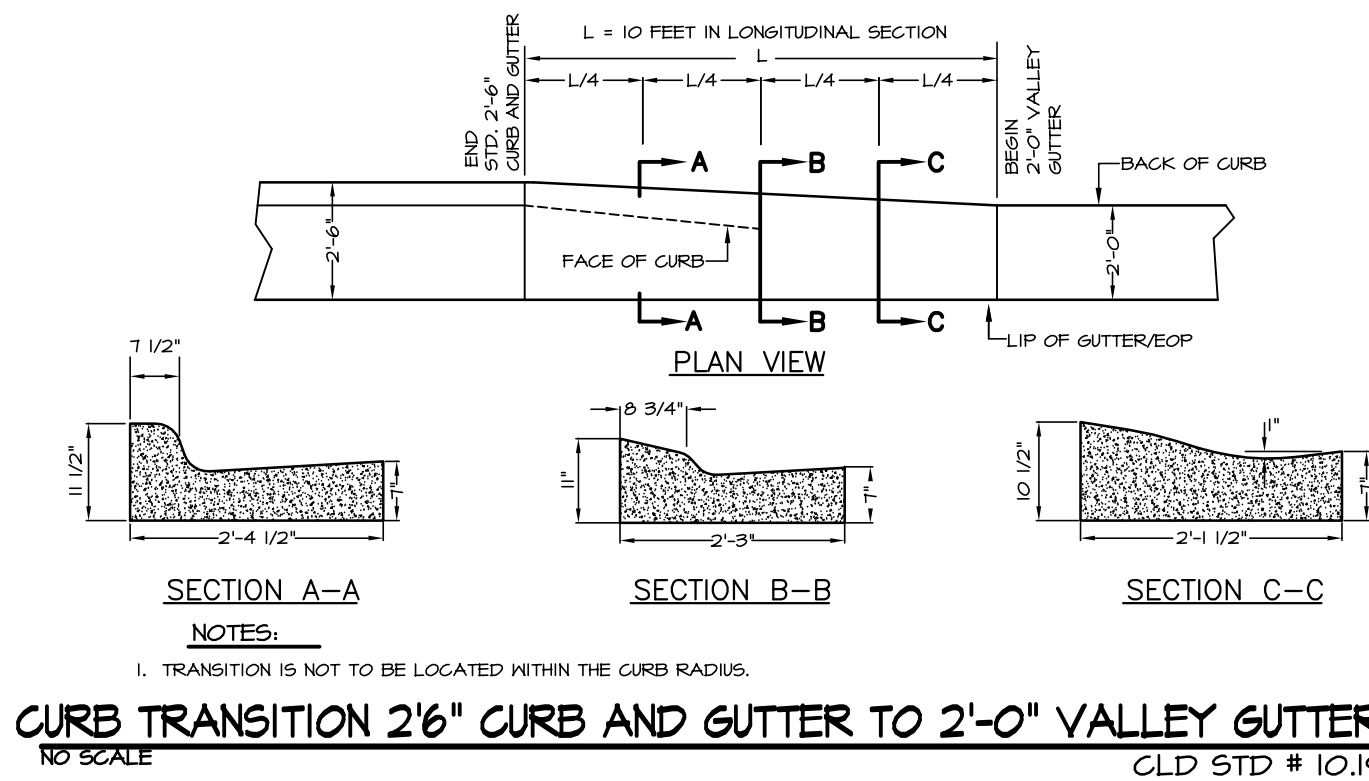
HORIZ. 1" = 50'
VERT. 1" = 5'

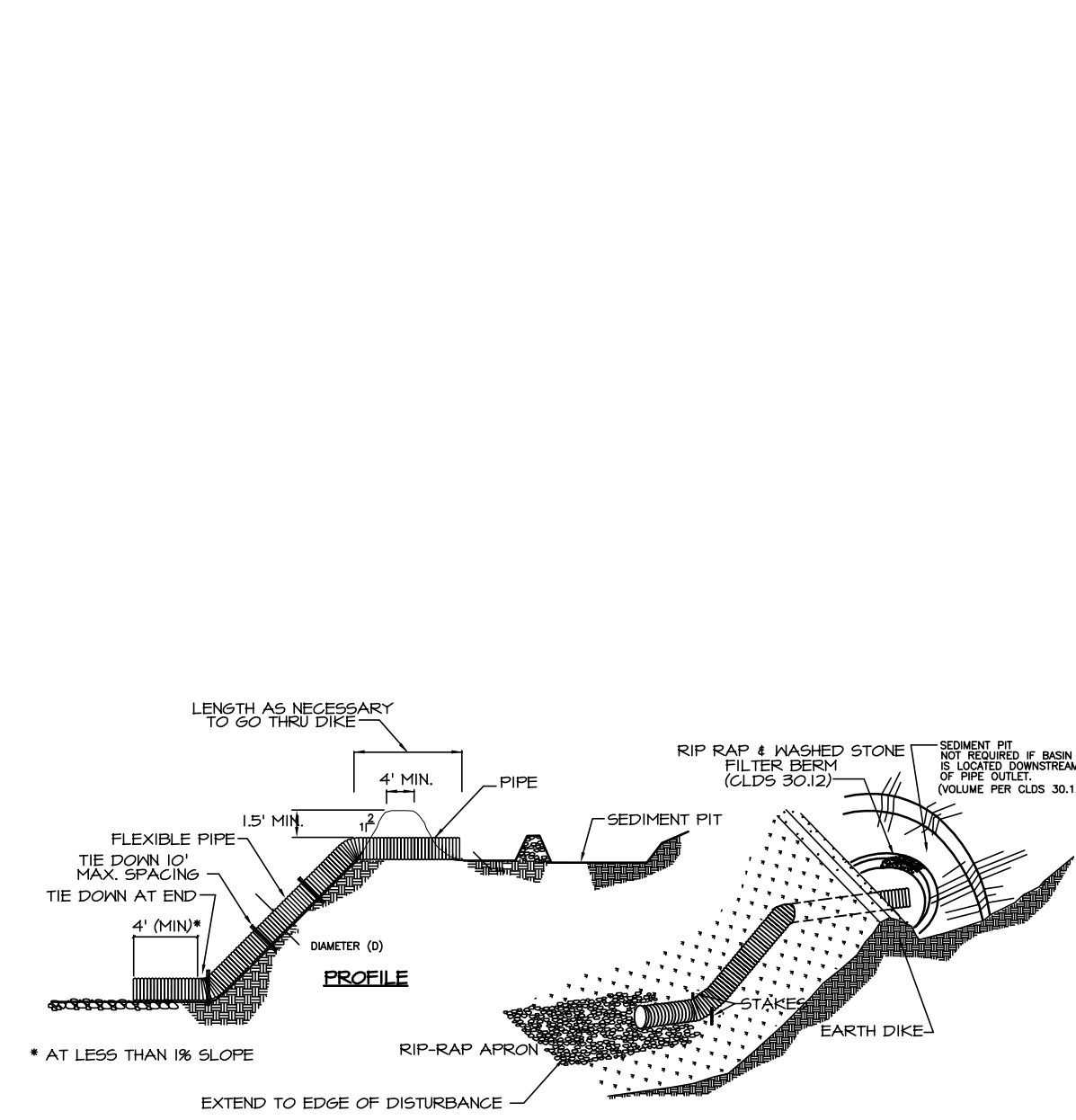
Date: 6/23/17
Drawn By: MKK
Designed By: MKK
Job No.: 0317

Roadway and Storm Drainage Profiles

Brooke Dale

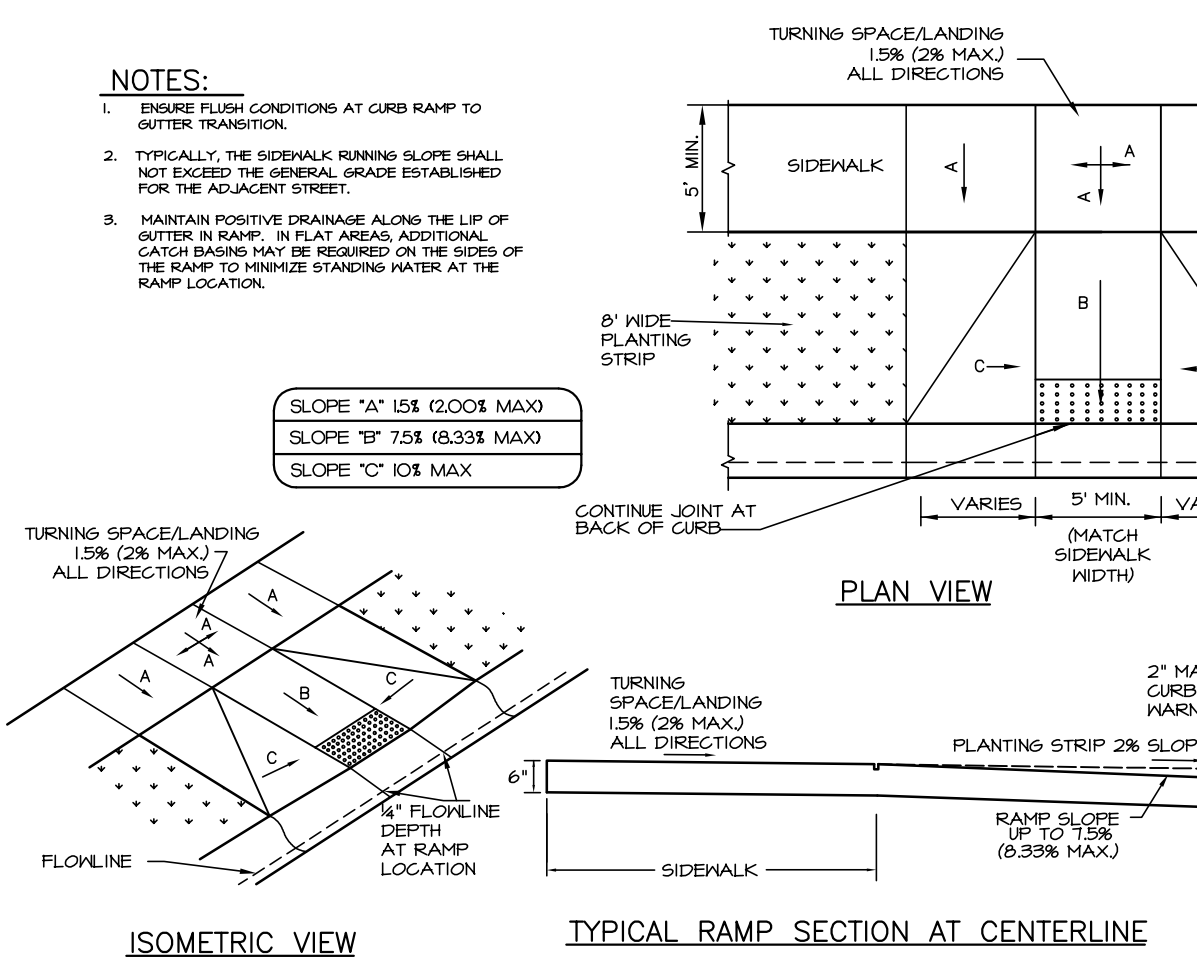
City of Charlotte, Mecklenburg County, North Carolina
Brooke Dale LLC, 275 Thornburg Rd., Dallas, NC 28034



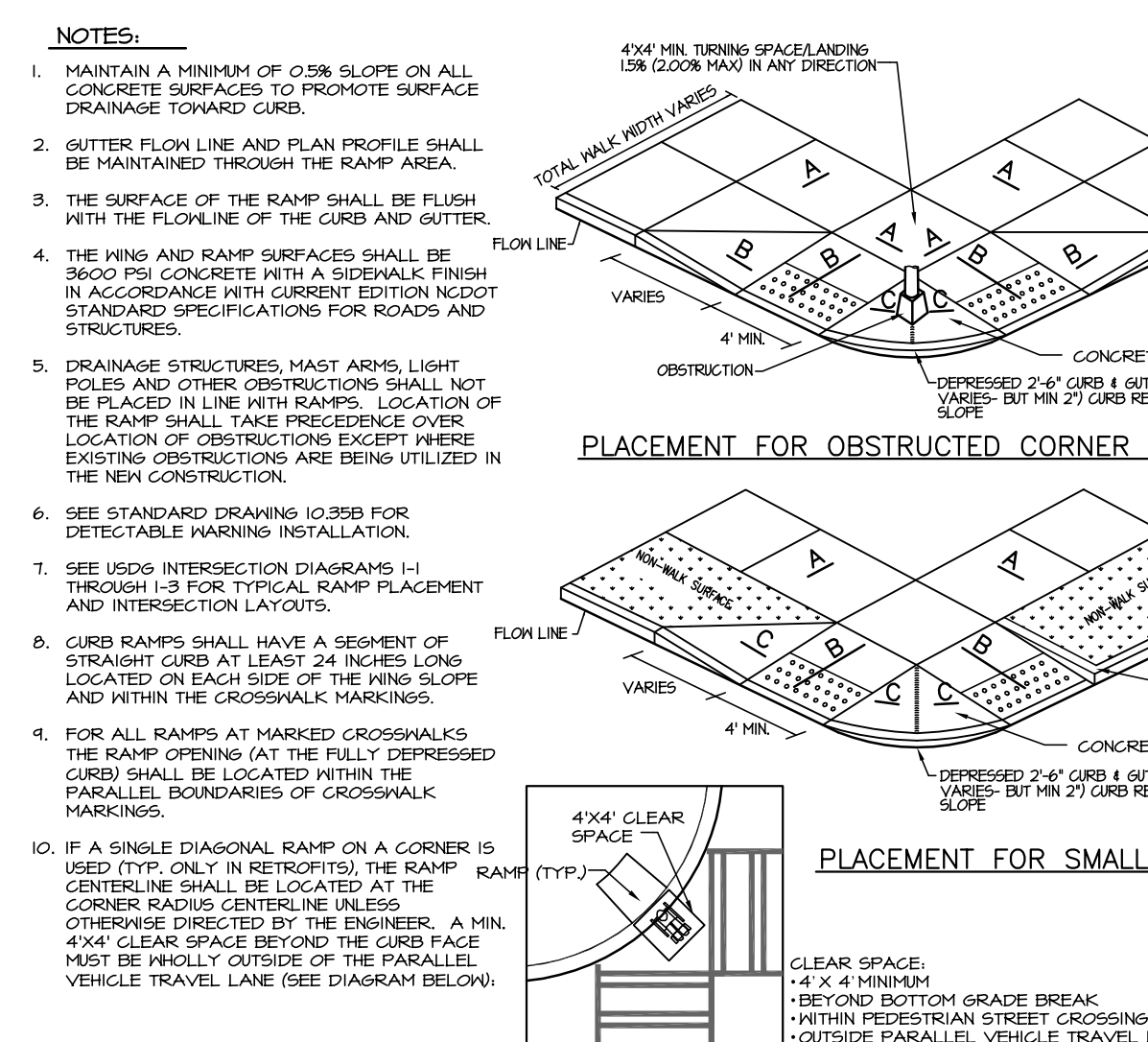


- CONSTRUCTION SPECIFICATIONS:**
1. THE TOP OF THE EARTH DIKE OVER THE INLET PIPE AND THOSE DIKES CARRYING WATER TO THE PIPE SHALL BE AT LEAST 1.5 FEET HIGHER AT ALL POINTS THAN THE TOP OF THE INLET PIPE.
 2. THE PIPE SHALL BE FLEXIBLE WITH WATER TIGHT CONNECTING BANDS. FLEXIBLE PIPE SHOULD BE STAKED ON EITHER SIDE.
 3. A RIP RAP APRON SHALL BE PROVIDED AT THE OUTLET, IF EXISTING INTO A DISTURBED AREA.
 4. THE SOIL AROUND AND UNDER THE INLET PIPE AND ENTRANCE SECTION SHALL BE HAND TAMPED IN 4" LIFTS TO THE TOP OF THE EARTH DIKE.
 5. FOLLOW-UP INSPECTION AND ANY NEEDED MAINTENANCE SHALL BE PERFORMED AFTER EACH STORM BY THE FINANCIALLY RESPONSIBLE PARTY OR HIS AGENT.
 6. OUTLET PIPE SHOULD BE TAKEN OVER OR THROUGH ANY SILT FENCE, TAKING CARE NOT TO VOID THE EFFECTIVENESS OF THE SILT FENCE.

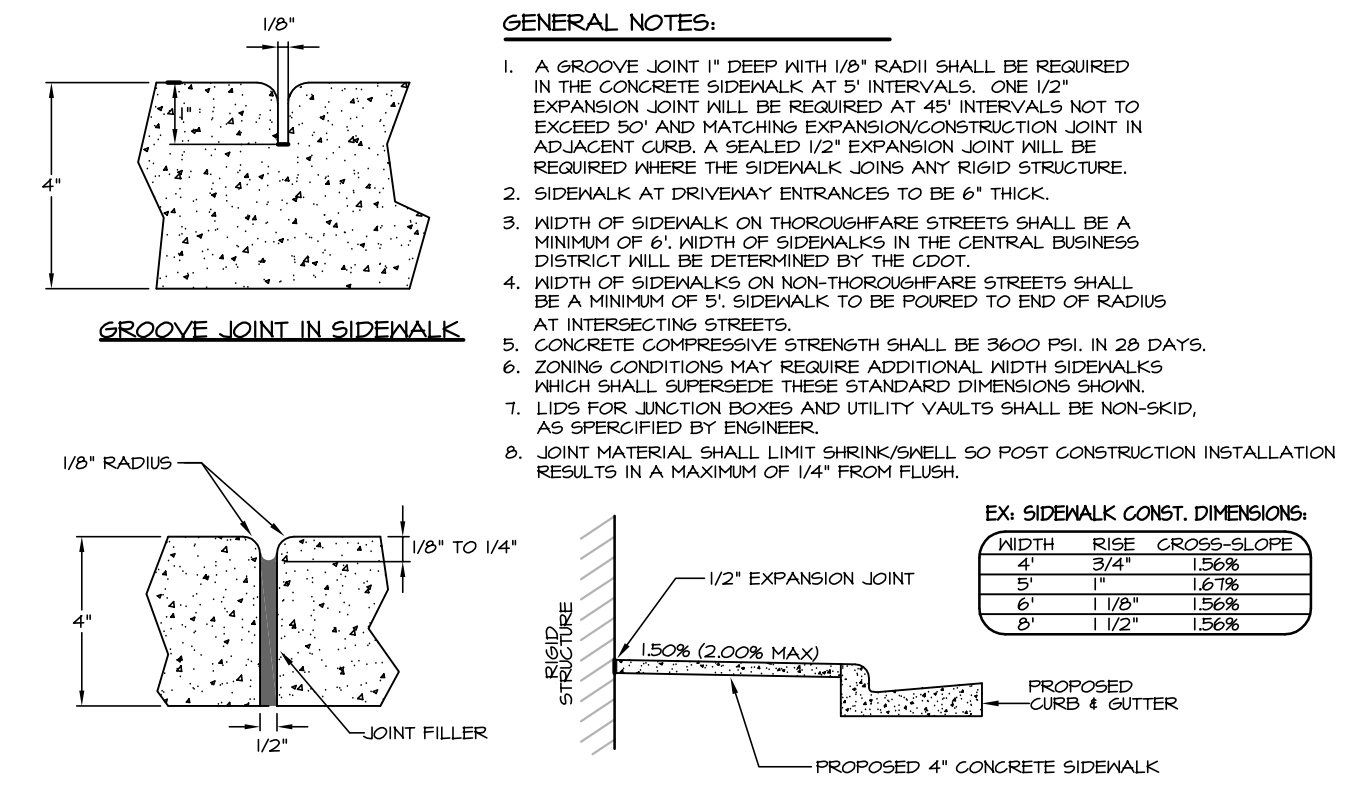
FLEXIBLE PIPE SLOPE DRAIN NO SCALE CLD STD # 30.04



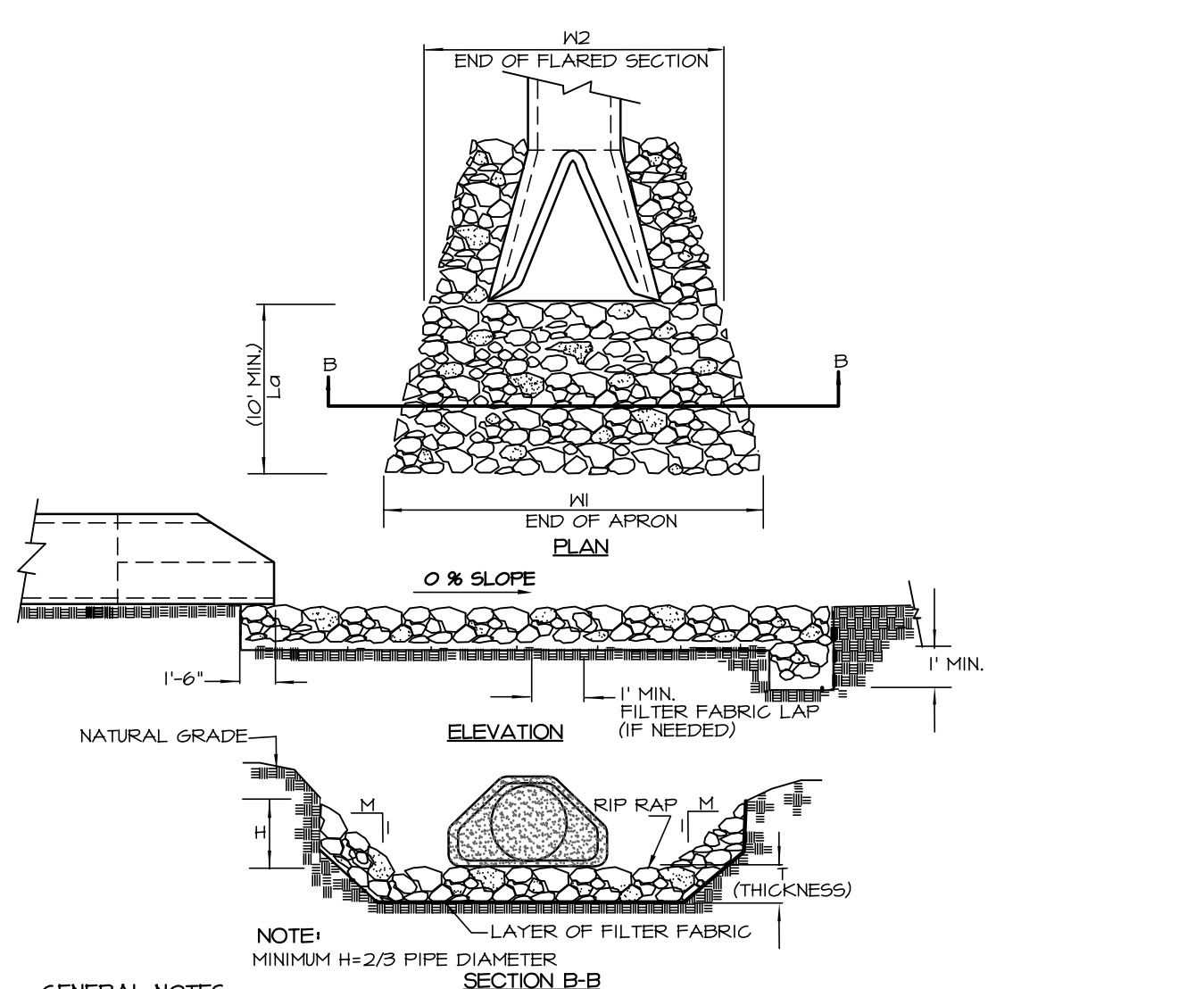
PERPENDICULAR CURB RAMP (2'-0\"/>NO SCALE CLD STD # 10.33/14



STANDARD PLACEMENT OF ACCESSIBLE RAMP AND GENERAL NOTES NO SCALE CLD STD # 10.35/15



CONCRETE SIDEWALKS NO SCALE CLD STD # 10.22/15

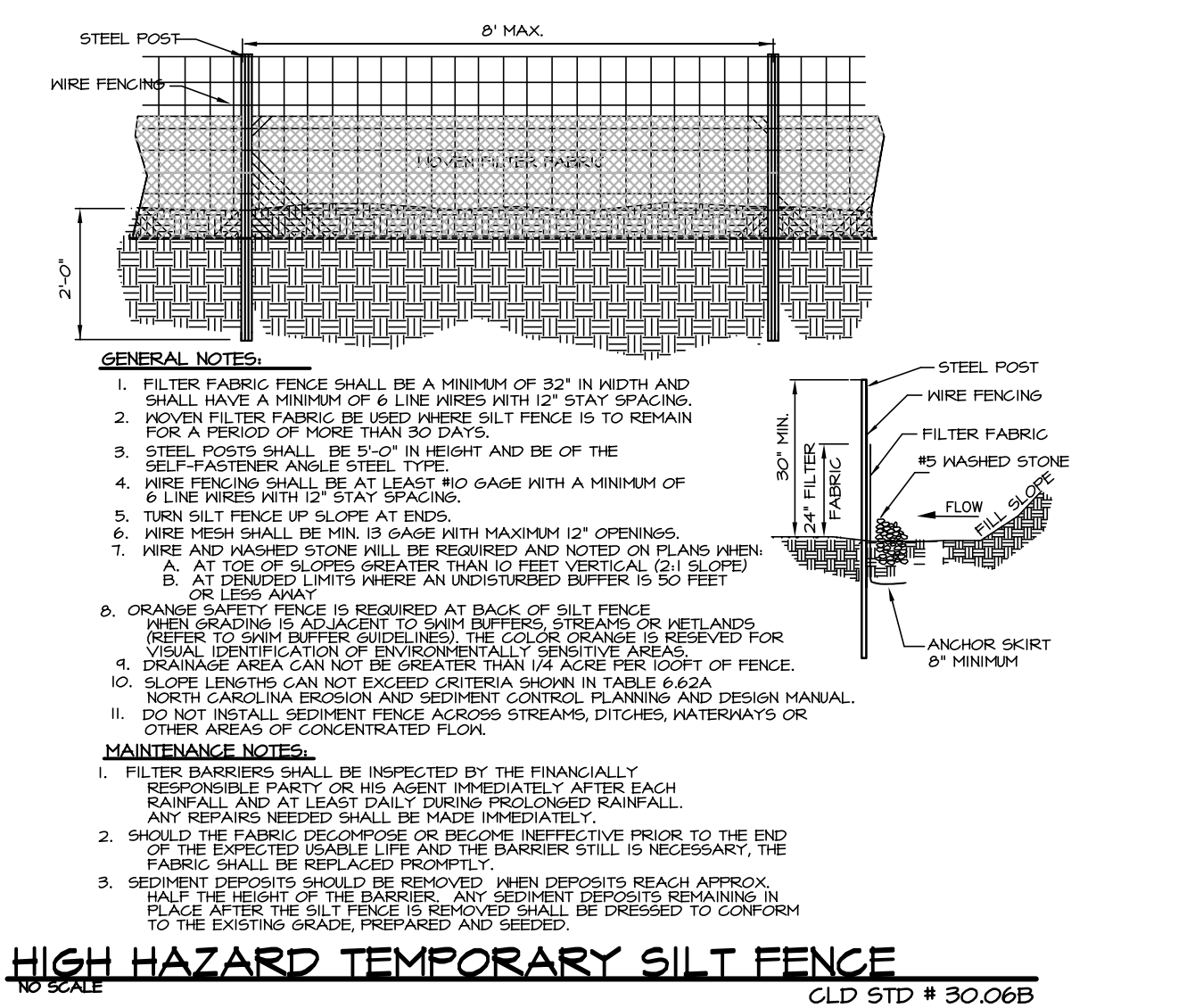


- GENERAL NOTES:**
1. CLASS OR MEDIAN SIZE OF RIPRAP AND LENGTH, WIDTH AND DEPTH OF APRON TO BE DESIGNED BY THE ENGINEER.
 2. REFER TO THE CHARLOTTE MECKLENBURG STORM WATER DESIGN MANUAL FOR RIPRAP APRON DESIGN STANDARDS.
 3. RIPRAP SHOULD EXTEND UP BOTH SIDES OF THE APRON AND AROUND THE END OF THE PIPE OR CULVERT AT THE DISCHARGE OUTLET AT A MAXIMUM SLOPE OF 1:1 AND A HEIGHT NOT LESS THAN TWO THIRDS THE PIPE DIAMETER OR CULVERT HEIGHT.
 4. THERE SHALL BE NO OVERFLOW FROM THE END OF THE APRON TO THE SURFACE OF THE RECEIVING CHANNEL. THE AREA TO BE PAVED OR RIPRAPPED SHALL BE UNDERCUT SO THAT THE INVERT OF THE APRON SHALL BE AT THE 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 RECEIVING CHANNEL SHALL NOT BE ALLOWED.
 8. NO BENDS OR CURVES IN THE HORIZONTAL ALIGNMENT OF THE APRON WILL BE PERMITTED.
 9. FILTER FABRIC SHALL BE INSTALLED ON COMPACTED SUBGRADE PRIOR TO PLACEMENT OF RIP RAP.
 10. ANY DISTURBED AREA FROM END OF APRON TO RECEIVING CHANNEL MUST BE STABILIZED.

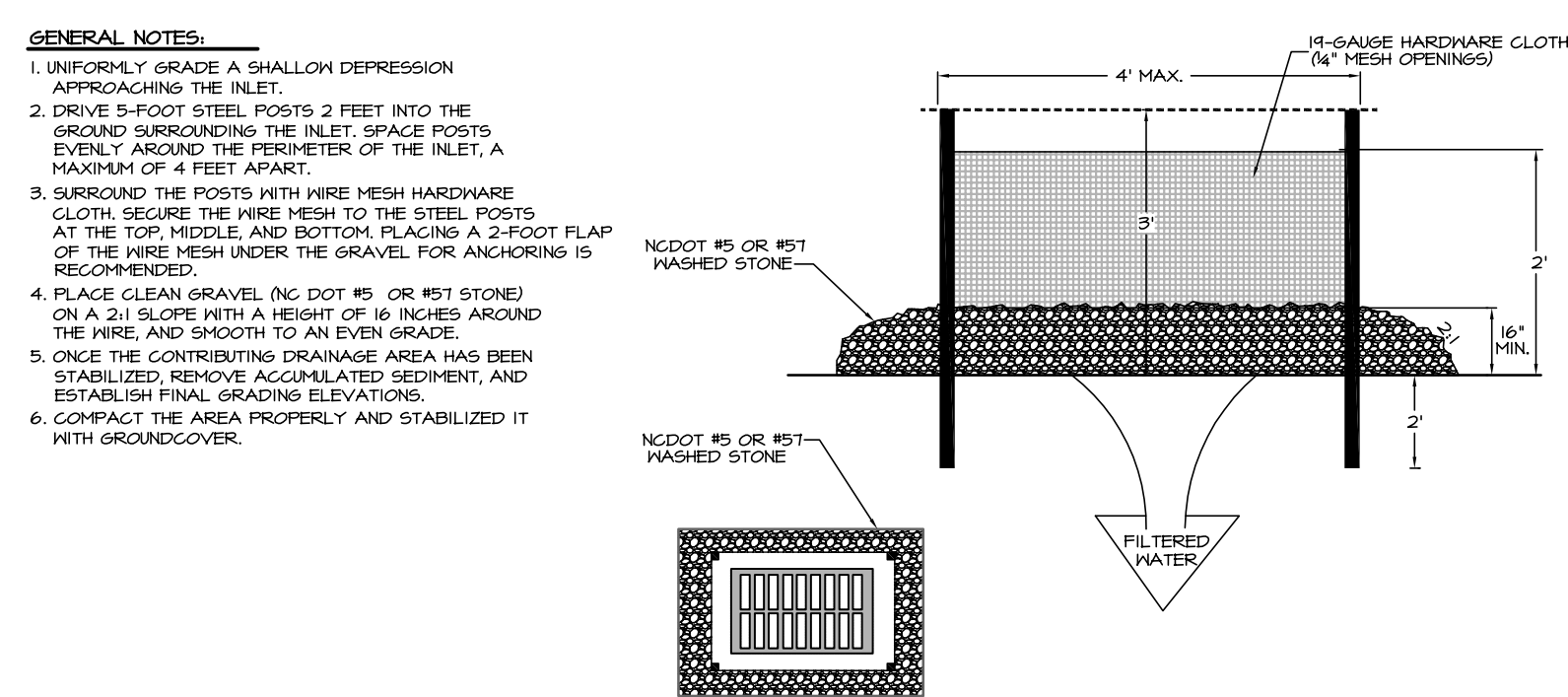
USE USDA NOMOGRAPH FROM NC SEDIMENT AND EROSION CONTROL MANUAL OR CHARLOTTE MECKLENBURG STORM WATER DESIGN MANUAL FOR DESIGN DATA.

| OUTLET | CFS | PIPE DIA (IN) | APRON LENGTH (FT) | BOTTOM WIDTH (FT) | TOP WIDTH (FT) | DEPTH (FT) | HEIGHT (FT) | STONE SIZE (IN) |
|---------|-------|---------------|-------------------|-------------------|----------------|------------|-------------|-----------------|
| FES 7 | 6.57 | 15" | 10.0 | 3.0 | 11.3 | 10" | 10" | 3" STONE |
| FES 19 | 4.98 | 15" | 10.0 | 3.0 | 11.3 | 10" | 10" | 2.5" STONE |
| FES 17 | 3.44 | 15" | 10.0 | 3.0 | 11.3 | 10" | 10" | 2.5" STONE |
| FES 28 | 14.93 | 18" | 12.0 | 4.5 | 13.5 | 12" | 10" | 4" STONE |
| FES 091 | 5.45 | 24" | 10.0 | 3.0 | 11.3 | 10" | 10" | 3" STONE |
| FES 052 | 1.43 | 24" | 10.0 | 3.0 | 11.3 | 10" | 10" | 3" STONE |

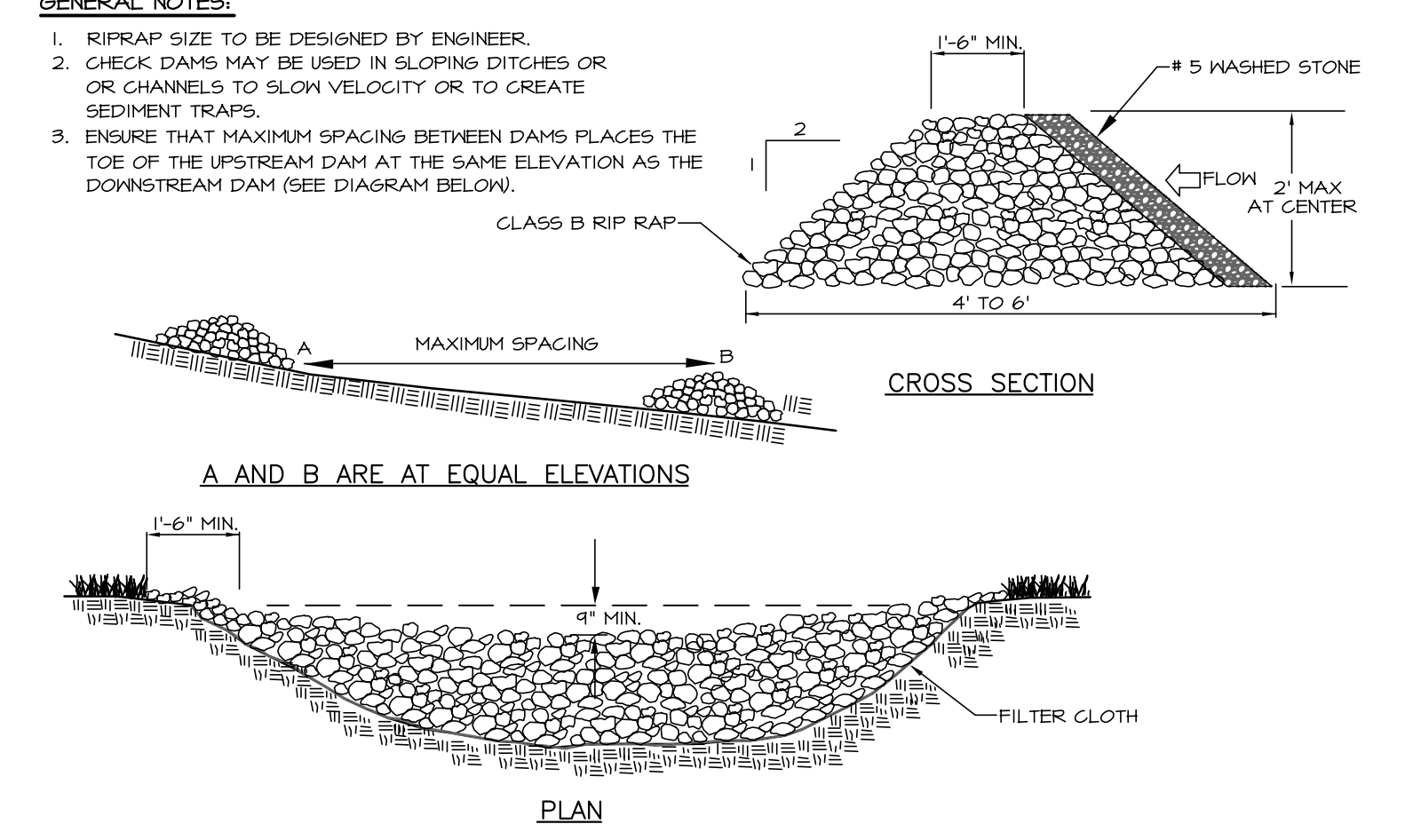
RIPRAP APRON AT PIPE OUTFALLS OTHER THAN AT SWIM NO SCALE CLD STD # 20.23



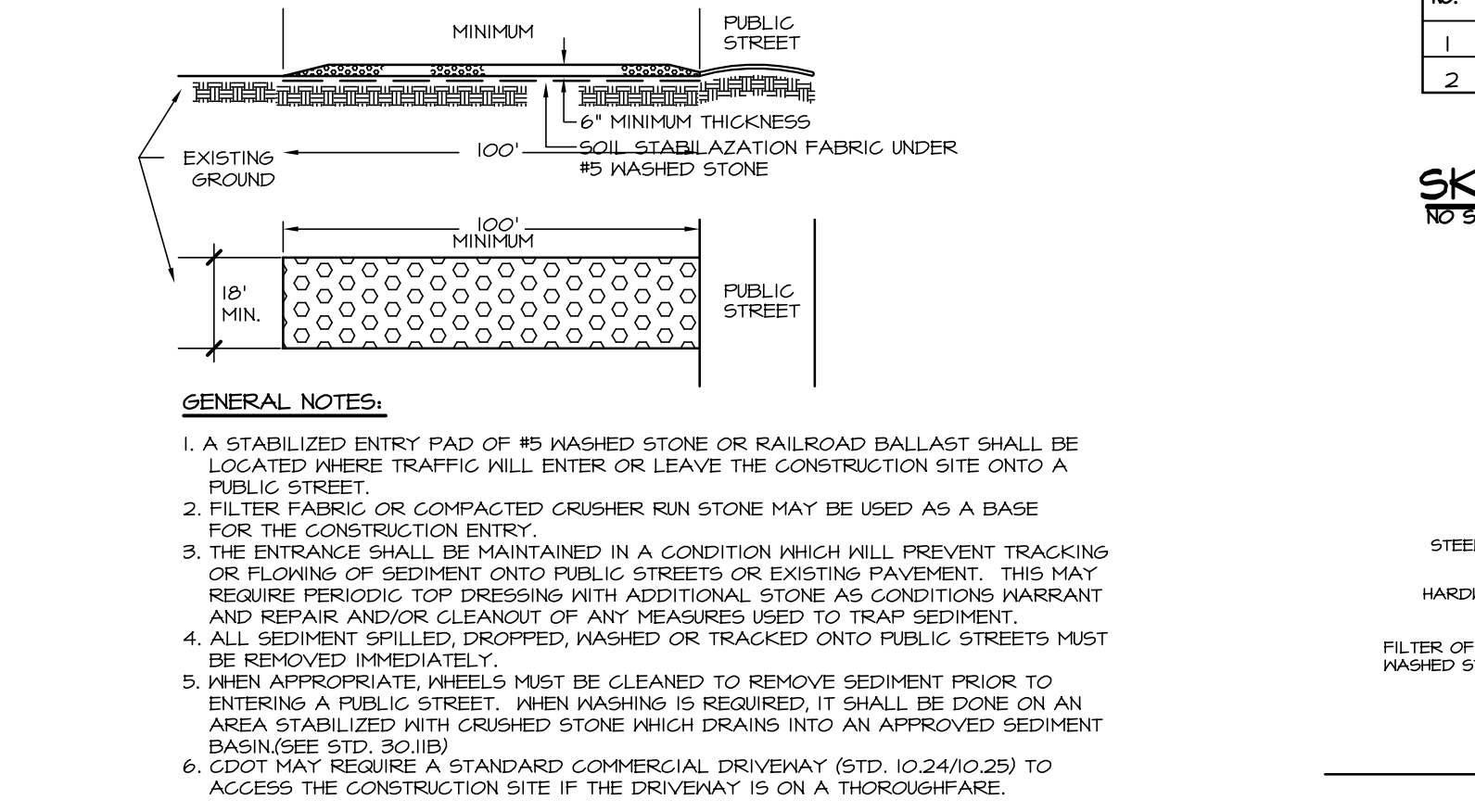
HIGH HAZARD TEMPORARY SILT FENCE NO SCALE CLD STD # 30.06B



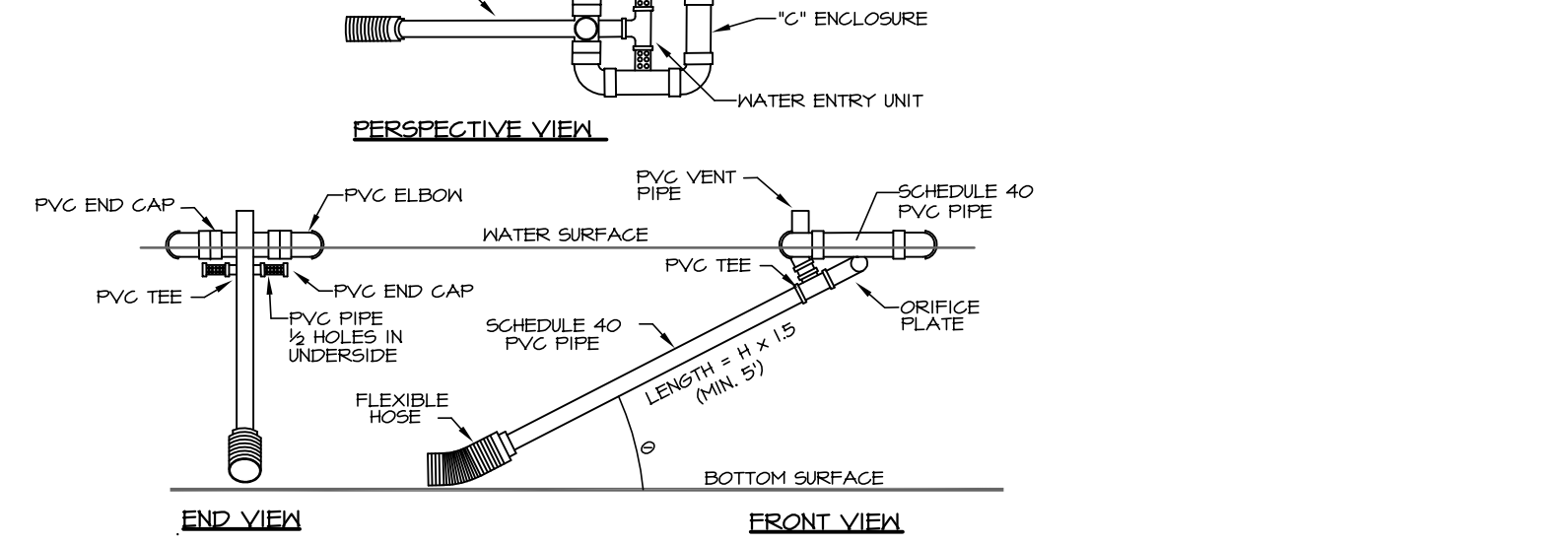
HARDWARE CLOTH & GRAVEL INLET PROTECTION NO SCALE CLD STD # 30.04



TEMPORARY ROCK CHECK DAM NO SCALE CLD STD # 30.10



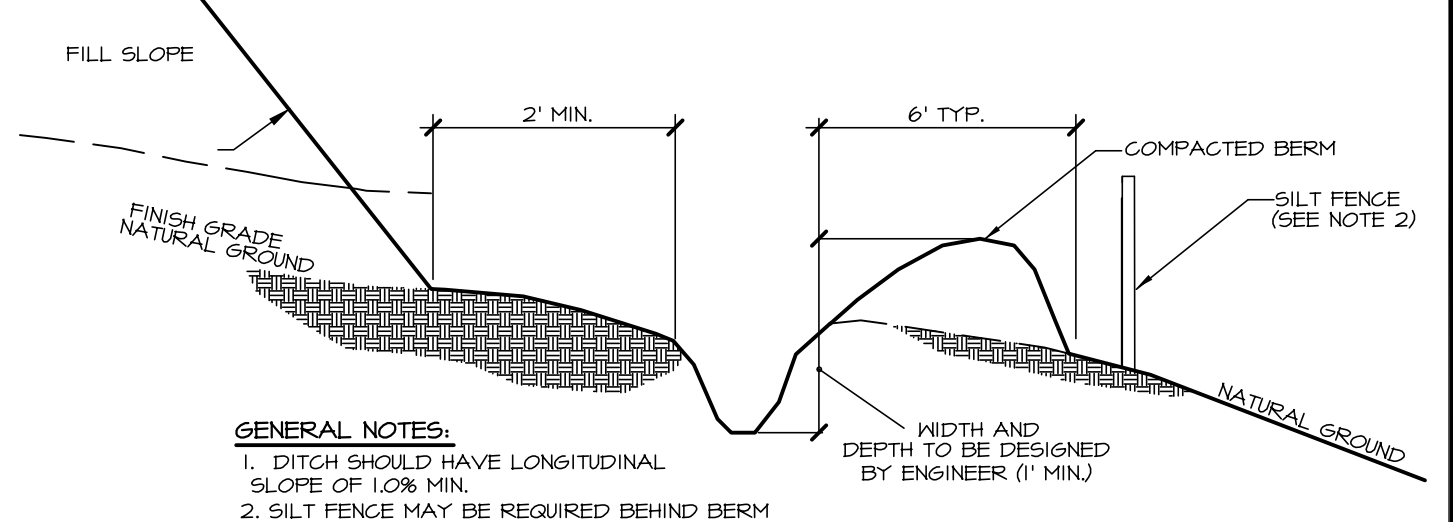
STABILIZED CONSTRUCTION ENTRANCE NO SCALE CLD STD # 30.11A



SKIMMER NO SCALE CLD STD # 30.02B



SKIMMER SEDIMENT BASIN NO SCALE CLD STD # 30.02A

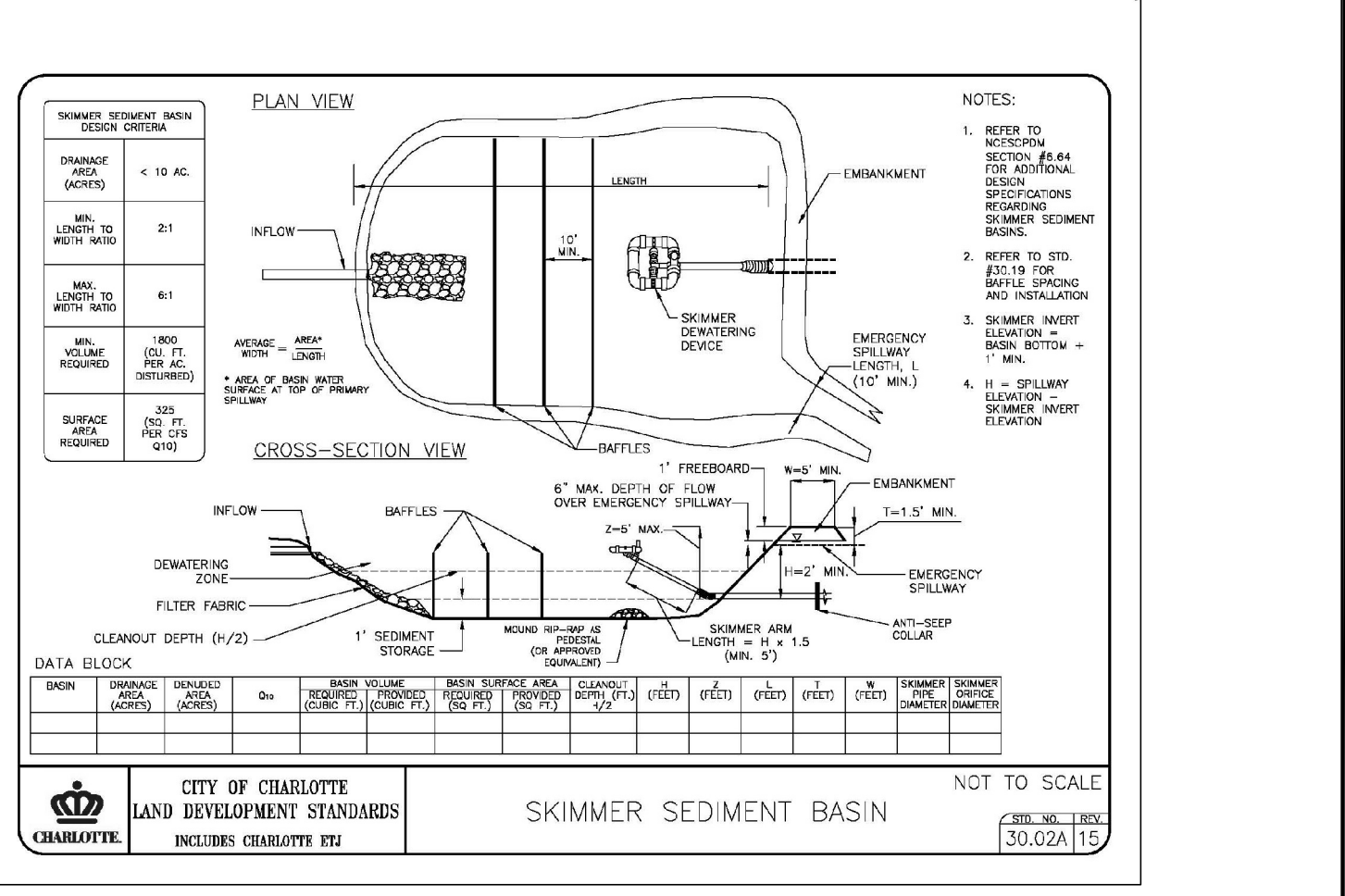


GENERAL NOTES:

1. DITCH SHOULD HAVE LONGITUDINAL SLOPE OF 1:20 MIN.
2. SILT FENCE MAY BE REQUIRED BEHIND BERM.

| DITCH | DRAIN AREA (AC) | REQD. FLOW (CFS) | SLOPE MAX (H) | N" | B (FT) | E (FT) | D (FT) | VEL. (FPS) | FLOW CAPAC. (CFS) |
|-------|-----------------|------------------|---------------|-------|--------|--------|--------|------------|-------------------|
| A | 2.0 | 1.0 | 15 | .0225 | 2.0' | 2.0' | 0.6' | 3.4 | 8.8 |
| B | 4.0 | 16.8 | 15 | .0225 | 2.0' | 2.0' | 1.0' | 4.3 | 24.0 |

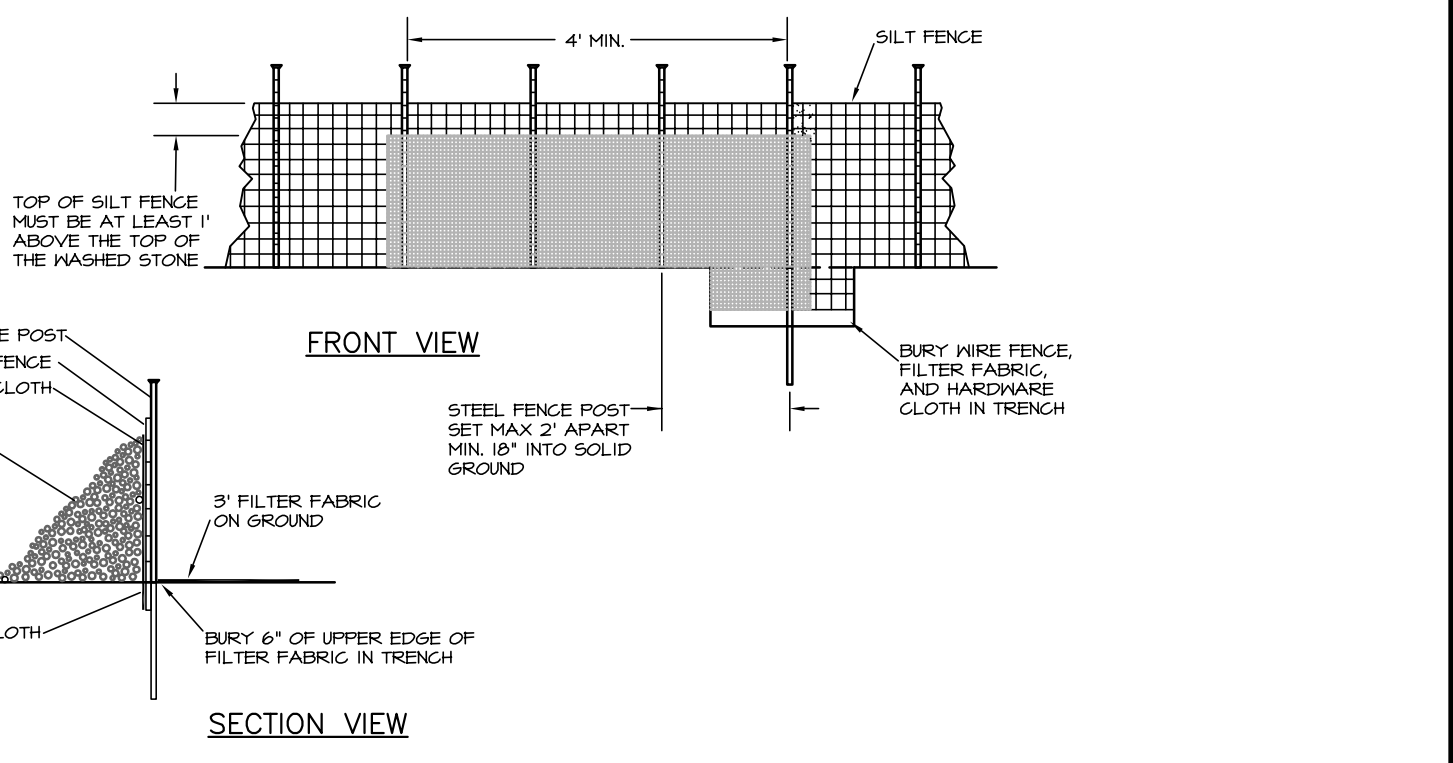
TEMPORARY SILT DITCH NO SCALE CLD STD # 30.05



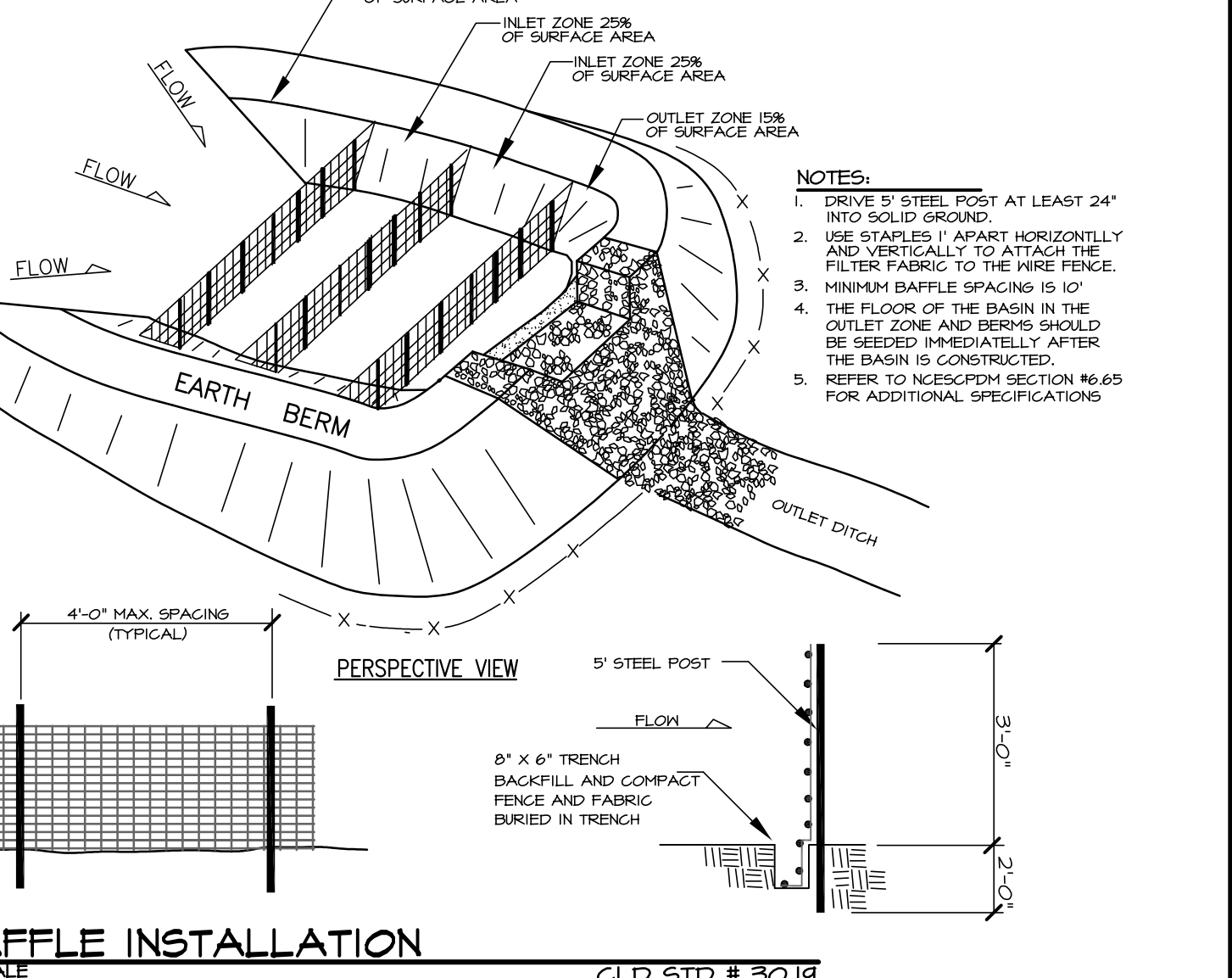
SKIMMER BASIN DATA BLOCK:

| BASIN NO. | DRAINAGE AREA (AC) | DENIED AREA (AC) | TRAP SURFACE AREA REQUIRED (SF) | TRAP SURFACE AREA PROVIDED (SF) | TRAP VOLUME REQUIRED (CU YD) | TRAP VOLUME PROVIDED (CU YD) | CLEANOUT DEPTH (FT) | H (FT) | L (FT) | T (FT) | M (FT) | X (FT) | SKIMMER PIPE DIAMETER | SKIMMER ORIFICE DIAMETER | |
|-----------|--------------------|------------------|---------------------------------|---------------------------------|------------------------------|------------------------------|---------------------|--------|--------|--------|--------|--------|-----------------------|--------------------------|------|
| 1 | 6.6 | 5.4 | 21.8 | 10714 | 8281 | 10620 | 20039 | 1.5' | 3.0' | 10' | 2.0' | 5' | N/A | 3" | FULL |
| 2 | 6.5 | 4.6 | 21.5 | 6471 | 12473 | 8280 | 18425 | 1.3' | 2.5' | 18' | 1.5' | 5' | N/A | 4" | FULL |

SKIMMER SEDIMENT BASIN NO SCALE CLD STD # 30.02A



SILT FENCE OUTLET NO SCALE



BAFFLE INSTALLATION NO SCALE CLD STD # 30.14

KENNEY DESIGN GROUP, PA

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Engineering
Land Planning
Land Surveying

Revisions:
1. 8/21/17 REVISED PER CED CHPT. CDOT & NC DOT REVIEW

City of Charlotte
Mecklenburg County, North Carolina
BrookeDale LLC, 275 Thornburg Rd., Dallas, NC 28034

Scale: 6/23/17
Date: 6/23/17
Drawn By: MK
Designed By: MK
Job No.: 0717

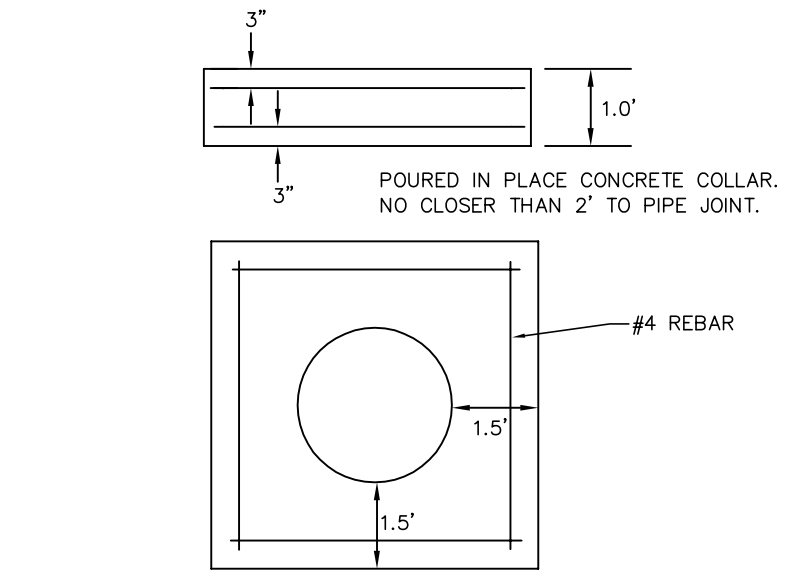
Site Construction Details

BrookeDale

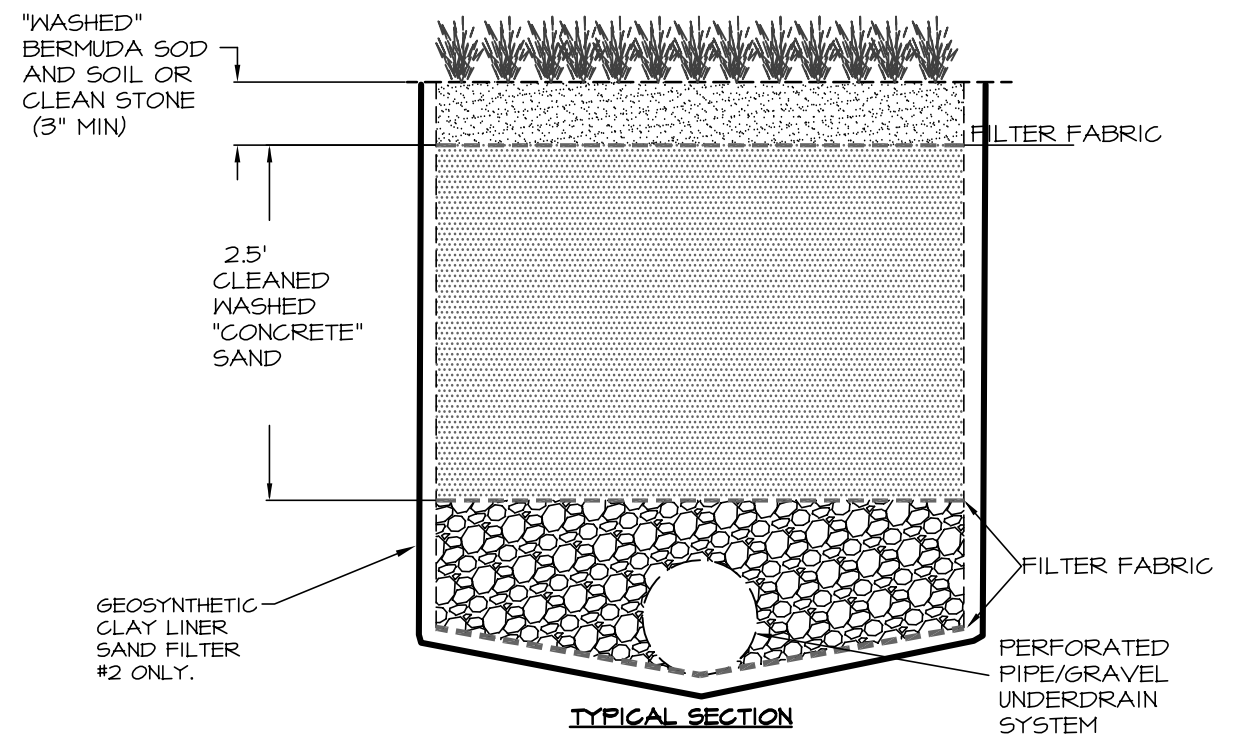
City of Charlotte, Mecklenburg County, North Carolina
BrookeDale LLC, 275 Thornburg Rd., Dallas, NC 28034

Sheet No. 8
of 10

| BMP INSET TABLE SAND FILTER 1 | |
|----------------------------------|-----------------|
| PROJECT NAME: | BROOKEDALE |
| SEQUENCE ID: | 1 |
| DRAINAGE AREA (AC): | 6.80 |
| LAND USE/DEVELOPMENT TYPE: | SINGLE FAMILY |
| PERCENT BUA: | 39 |
| SEDIMENT CHAMBER LENGTH (FT): | 41 |
| SEDIMENT CHAMBER WIDTH (FT): | 36 |
| SEDIMENT CHAMBER HEIGHT (FT): | 2.0 |
| SAND FILTER TYPE: | SURFACE |
| SAND FILTER SURFACE AREA (SF): | 1000 |
| MEDIA DEPTH (FT): | 2.5 |
| FLOW DEVIATOR PRESENT: | NO |
| REGULATED BY: | PCCO |
| TREATMENT EFFECTIVENESS: | 85% TSS REMOVAL |
| NC STATE PLANE X (EASTING): | 1457501 |
| NC STATE PLANE Y (NORTHING): | 569307 |

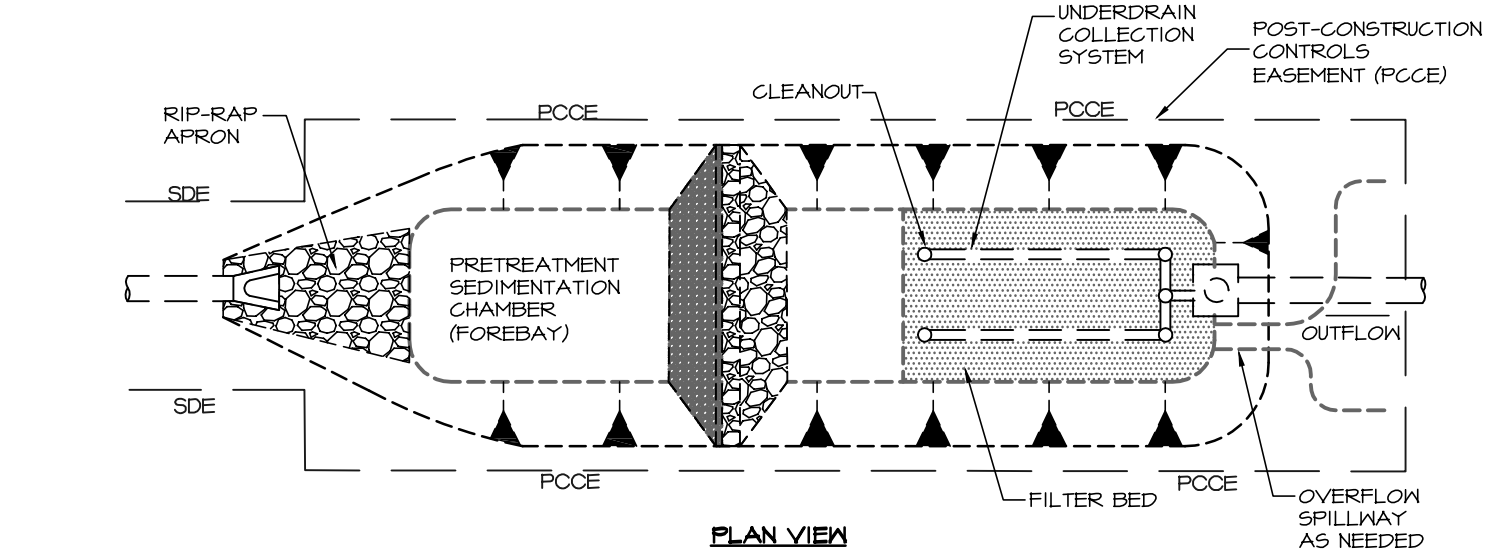


CONCRETE ANTI-SEEP COLLAR
NO SCALE

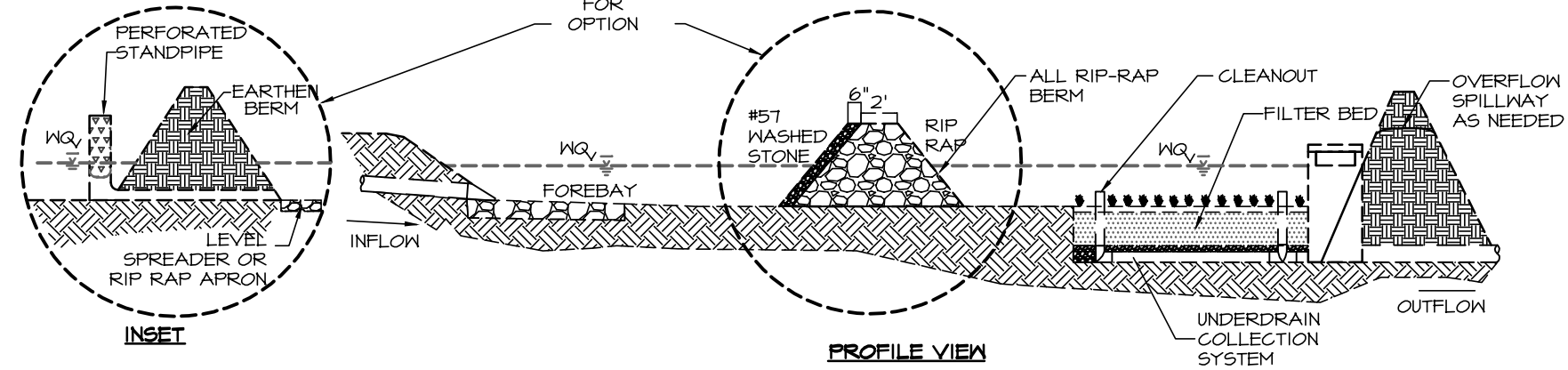


SURFACE SAND FILTER SECTION
NO SCALE CLDS 21.25

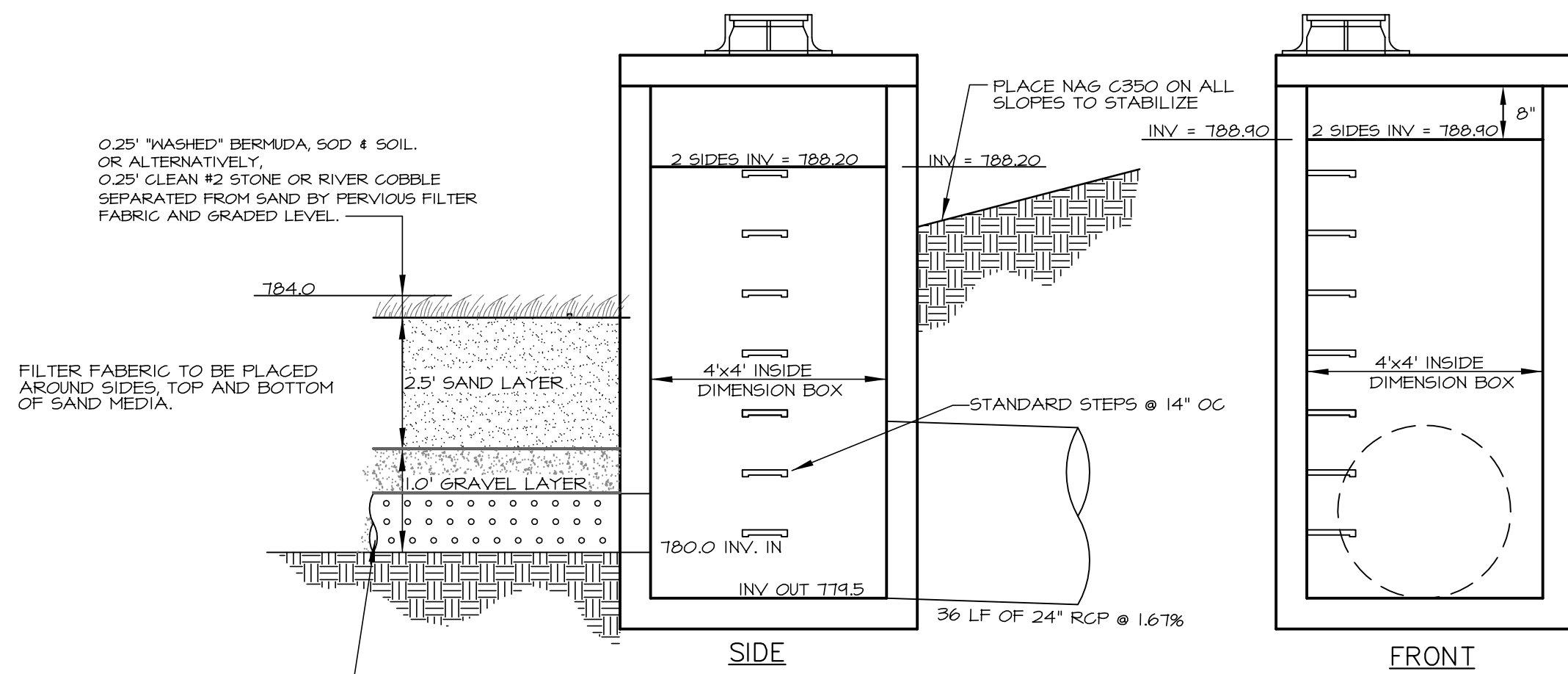
- NOTES:
1. "CONCRETE" SAND REFERS TO SAND THAT IS COMMONLY USED IN CONCRETE MIXES.
 2. ALL DRAINAGE AREAS TO A SAND FILTER FACILITY ARE TO BE STABILIZED PRIOR TO INSTALLATION OF SAND.
 3. UNDERDRAIN PIPES SHOULD BE MIN. 6" PERFORATED SCHEDULE 40 PVC (PER AASHTO M278) OR DOUBLE WALL HDPE (PER AASHTO M252). PERFORATIONS SHOULD BE 1/8" ALONG 4 LONGITUDINAL ROWS SPACED 40" APART.



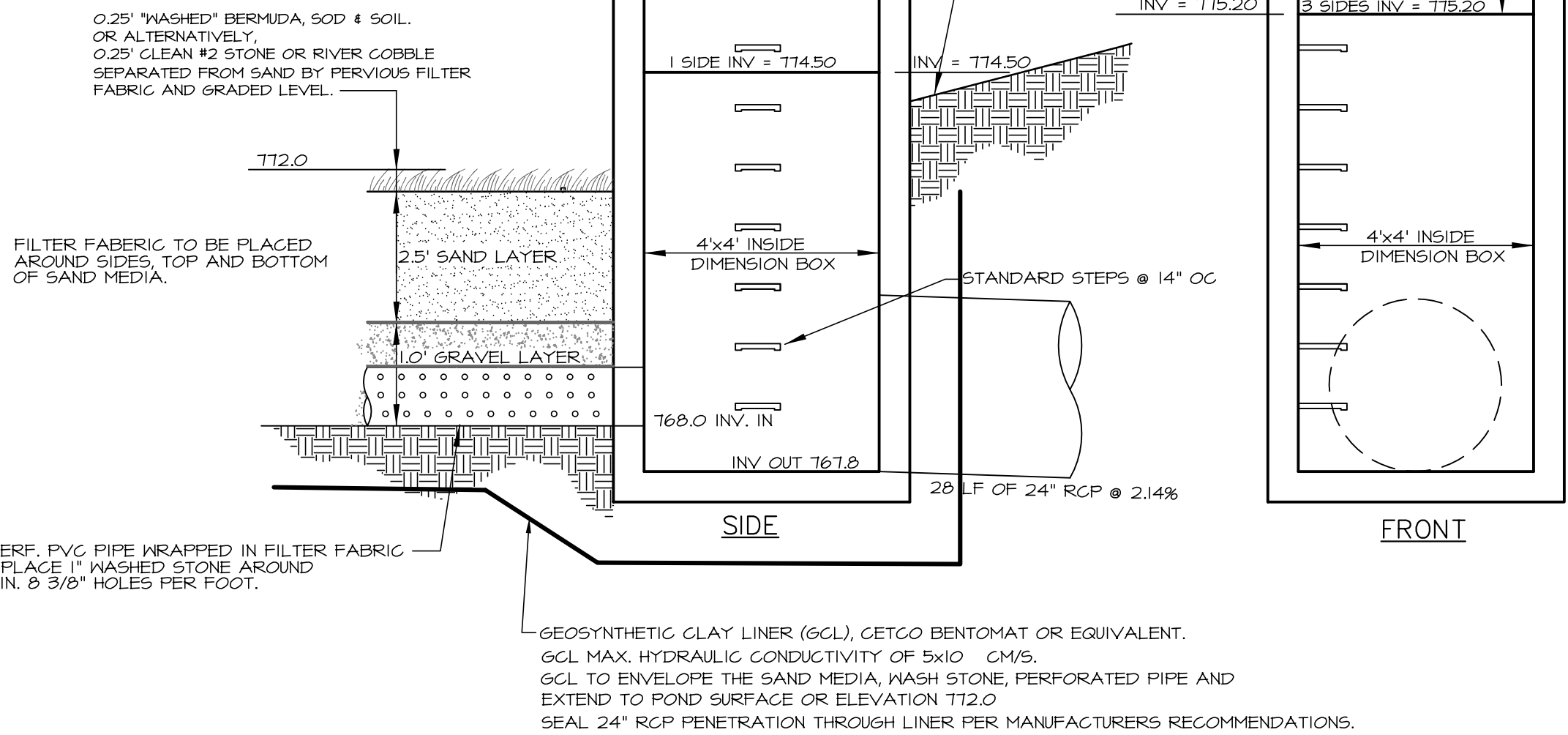
- NOTES:
1. ALL SAND FILTERS SHALL HAVE A MINIMUM 20 FOOT ACCESS EASEMENT CONNECTING TO A DEDICATED PUBLIC RIGHT OF WAY. ACCESS ROAD SHALL HAVE MIN. 12' STABILIZED WIDTH, MAX. LONG. GRADE OF 15%, MAX. CROSS-SLOPE 5%. IN ADDITION, A 10-FOOT WIDE PERMANENT MAINTENANCE ACCESS EASEMENT MUST BE PROVIDED AROUND THE PERIMETER OF ALL BMPs TO ALLOW FOR ADEQUATE MAINTENANCE AND REPAIR.
 2. ALL DRAINAGE AREAS TO A SAND FILTER FACILITY ARE TO BE STABILIZED PRIOR TO INSTALLATION OF SAND.
 3. CLEAN OUTS IN THE UNDERDRAIN SYSTEM ARE TO BE PROVIDED EVERY 50' MINIMUM. CLEAN OUTS SHALL HAVE WATER TIGHT, VANDAL PROOF CAPS AND EXTEND 6" ABOVE THE SURFACE.



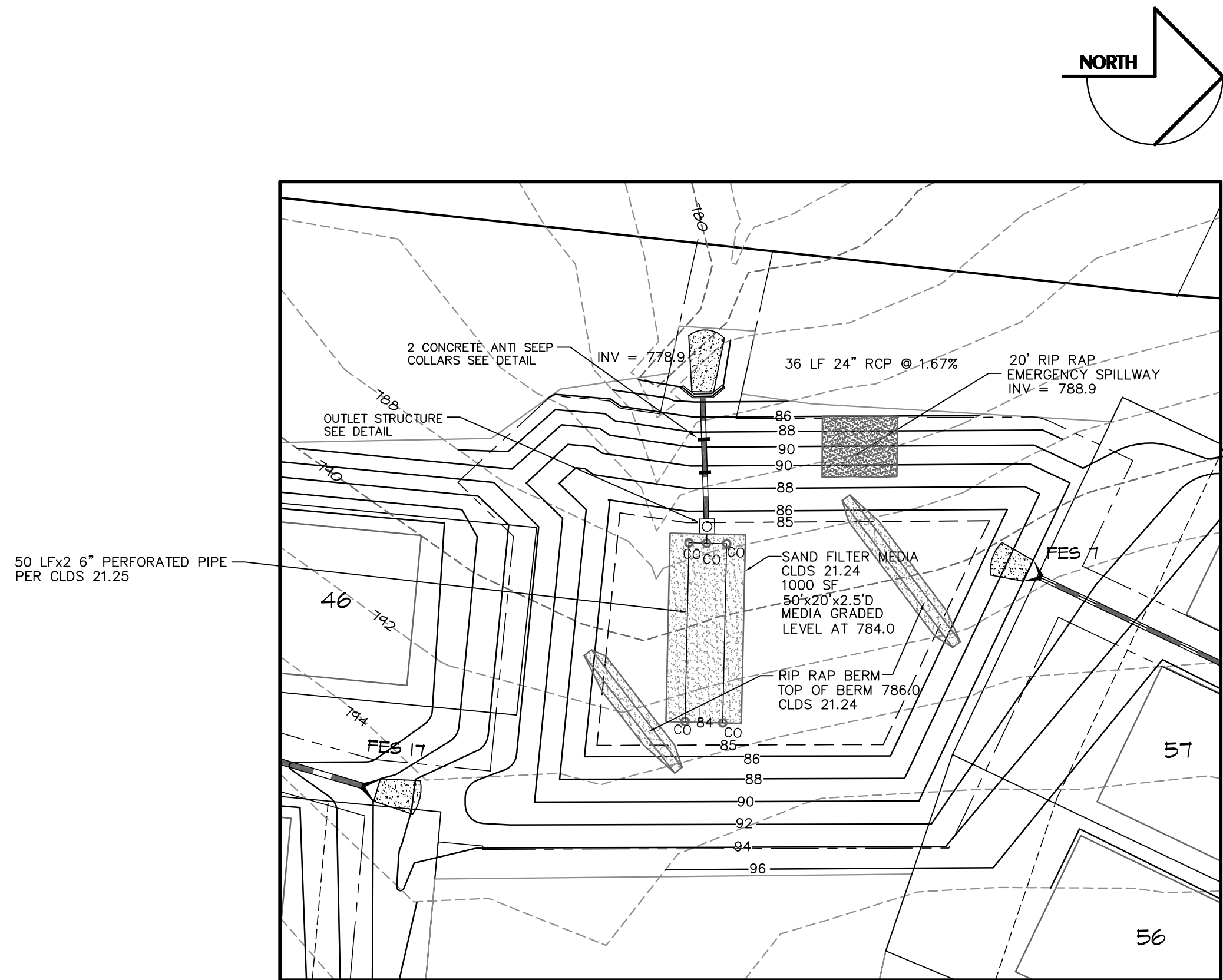
SURFACE SAND FILTER
NO SCALE CLDS 21.24



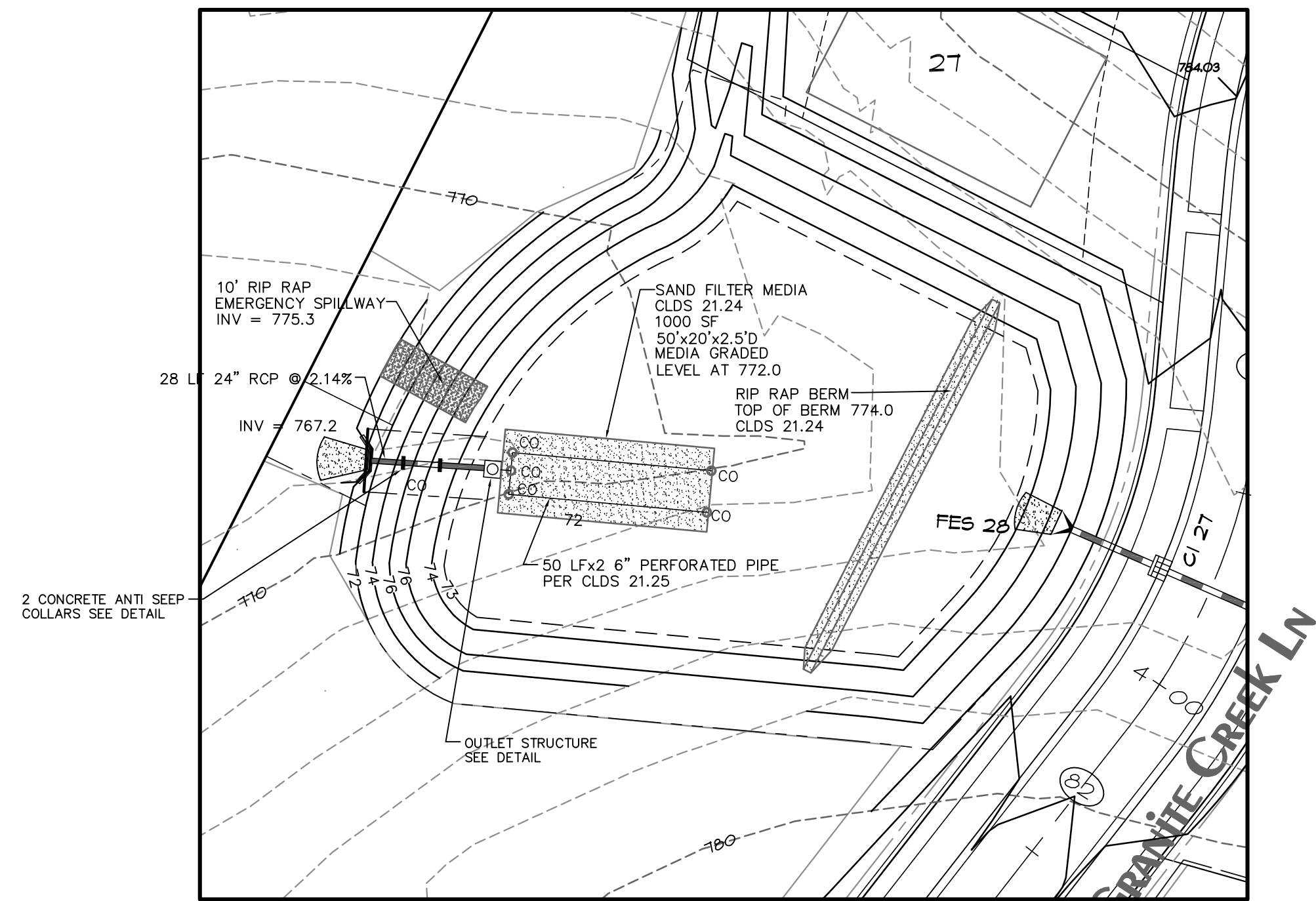
SAND FILTER 1 OUTLET STRUCTURE
NO SCALE



SAND FILTER 2 OUTLET STRUCTURE
NO SCALE



SAND FILTER #1
1"=30'

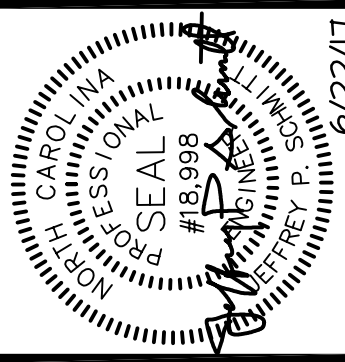


SAND FILTER #2
1"=30'

BMP Plan and Details
Brookedale
City of Charlotte, Mecklenburg County, North Carolina
BrookeDale LLC, 275 Thornburg Rd., Dallas, NC 28034

Sheet No. 10 of 10

Scale: As Shown
Date: 6/22/17
Drawn By: JPS
Designed By: JPS
Job No.: 0317



Revisions:

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