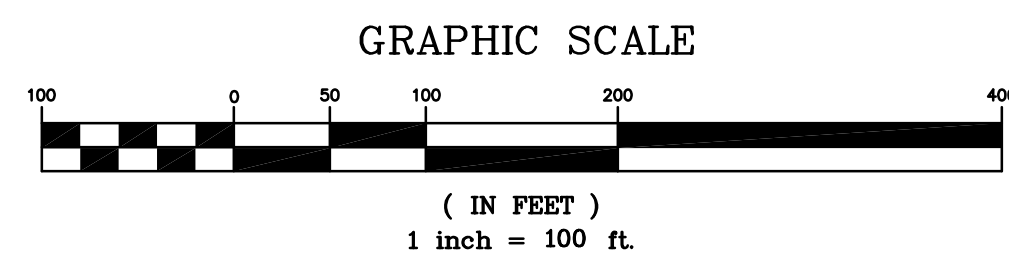
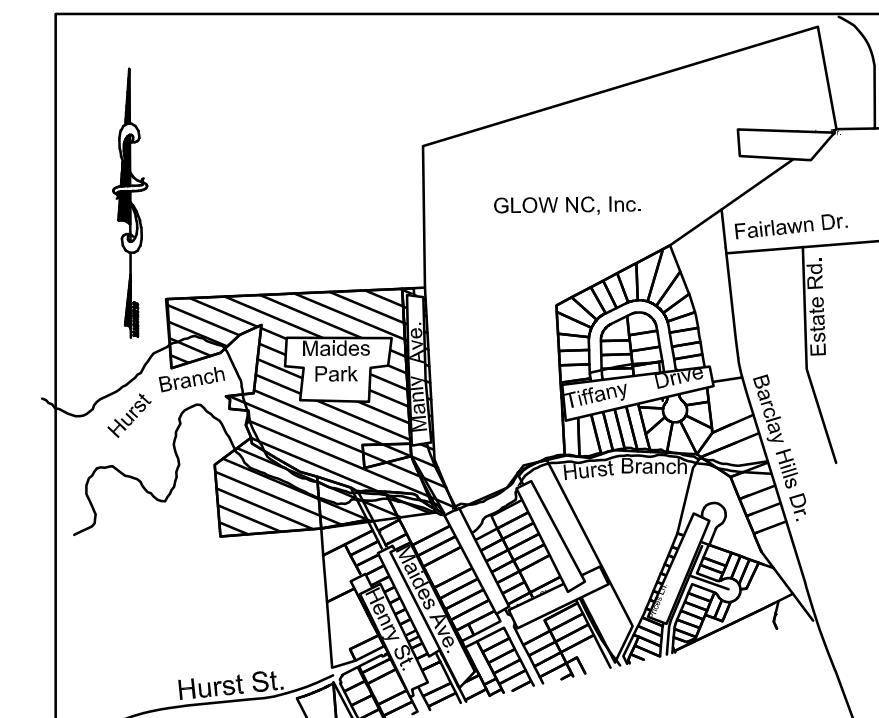


OVERALL PLAN



CITY OF WILMINGTON NOTES

- PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING SHALL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES. NO CONSTRUCTION WORKERS, TOOLS, MATERIALS OR VEHICLES ARE PERMITTED WITHIN TREE PROTECTION FENCING.
- ANY TREES AND/OR AREAS DESIGNATED TO BE PROTECTED MUST BE PROPERLY BARRICADED WITH FENCING AND PROTECTED THROUGHOUT CONSTRUCTION TO INSURE THAT NO CLEARING, GRADING OR STAGING OF MATERIALS WILL OCCUR IN THOSE AREAS.
- NO EQUIPMENT IS ALLOWED ON SITE UNTIL ALL TREE PROTECTION FENCING AND SILT FENCING IS INSTALLED AND APPROVED. PROTECTIVE FENCING IS TO BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT, AND CONTRACTORS SHALL RECEIVE ADEQUATE INSTRUCTION ON TREE PROTECTION METHODS.
- ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.
- ONCE STREETS ARE OPEN TO TRAFFIC, CONTACT TRAFFIC ENGINEERING REGARDING THE INSTALLATION OF TRAFFIC AND STREET NAME SIGNS. PROPOSED STREET NAMES MUST BE APPROVED PRIOR TO INSTALLATION OF STREET NAME SIGNS.
- TRAFFIC CONTROL DEVICES (INCLUDING SIGNS AND PAVEMENT MARKINGS) IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS.
- CONTACT TRAFFIC ENGINEERING AT 910.341.7888 TO ENSURE THAT ALL TRAFFIC SIGNAL FACILITIES AND EQUIPMENT ARE SHOWN ON THE PLAN.
- CALL TRAFFIC ENGINEERING AT 910.341.7888 FORTY-EIGHT (48) HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT-OF-WAY.
- TRAFFIC ENGINEERING MUST APPROVE OF PAVEMENT MARKING PRIOR TO ACTUAL STRIPING.
- ALL PARKING STALL MARKINGS AND LANE ARROWS WITH THE PARKING AREAS SHALL BE WHITE.
- ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT-OF-WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER.
- STOP SIGNS AND STREET SIGNS TO REMAIN IN PLACE DURING CONSTRUCTION.
- TACTILE WARNING MATS WILL BE INSTALLED ON ALL WHEELCHAIR RAMPS.
- A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET.
- ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS & CURBING WILL BE REPLACED.
- CONTACT TRAFFIC ENGINEERING AT 910.341.7888 TO DISCUSS STREET LIGHT OPTIONS.
- WATER AND SEWER SERVICE SHALL MEET CAPE FEAR PUBLIC UTILITY AUTHORITY (CFPUA) DETAILS AND SPECIFICATIONS.
- PROJECT SHALL COMPLY WITH CFPUA CROSS CONNECTION CONTROL REQUIREMENTS. WATER METER(S) CANNOT BE RELEASED UNTIL ALL REQUIREMENTS ARE MET AND THE STATE HAS GIVEN THEIR FINAL APPROVAL. CALL 910.343.3910 FOR INFORMATION.
- IF THE CONTRACTOR DESIRED CFPUA WATER FOR CONSTRUCTION, HE SHALL APPLY IN ADVANCE FOR THIS SERVICE AND MUST PROVIDE A REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTION DEVICE ON THE DEVELOPER'S SIDE OF THE WATER METER BOX.
- ANY BACKFLOW PREVENTION DEVICES REQUIRED BY CFPUA WILL NEED TO BE ON THE LIST OF APPROVED DEVICES BY USFCOCHR OR ASSE.
- CONTRACTOR TO FIELD VERIFY EXISTING WATER AND SEWER SERVICE LOCATIONS, SIZES AND MATERIALS PRIOR TO CONSTRUCTION. ENGINEER TO BE NOTIFIED OF ANY CONFLICTS.
- CONTRACTOR SHALL MAINTAIN ALL WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION.
- UNDERGROUND FIRE LINE(S) MUST BE PERMITTED AND INSPECTED BY THE WILMINGTON FIRE DEPARTMENT FROM THE PUBLIC RIGHT-OF-WAY TO THE BUILDING. CONTACT WILMINGTON FIRE DEPARTMENT DIVISION OF FIRE AND LIFE SAFETY AT 910.341.0696.
- NO OBSTRUCTIONS ARE PERMITTED IN THE SPACE BETWEEN THIRTY (30) INCHES AND TEN (10) FEET ABOVE THE GROUND WITHIN THE TRIANGULAR SIGHT DISTANCE.
- CONTACT THE NORTH CAROLINA ONE CALL CENTER AT 1.800.632.4949 PRIOR TO DOING ANY DIGGING, CLEARING OR GRADING.
- ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT-OF-WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MUTCD STANDARDS.
- A LANDSCAPING PLAN INDICATING THE LOCATION OF REQUIRED STREET TREES SHALL BE SUBMITTED TO THE CITY OF WILMINGTON TRAFFIC ENGINEERING DIVISION AND PARKS AND RECREATION DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE RECORDING OF THE FINAL PLAN.
- PERMITTING OF BUSINESS IDENTIFICATION SIGNAGE IS A SEPARATE PROCESS. NCDOT/CITY OF WILMINGTON WILL NOT ALLOW OBSTRUCTIONS WITHIN THE RIGHT OF WAY.
- ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS. [DETAIL SD-13 COFW TECH STDS]
- ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT-OF-WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MUTCD STANDARDS.
- ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREAS SHALL BE WHITE.
- A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET. NOTE THIS ON THE PLAN AND CONTACT 341-5888 FOR MORE DETAILS. IN CERTAIN CASES AN ENTIRE RESURFACING OF THE AREA BEING OPEN CUT MAY BE REQUIRED.
- ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS AND CURBING WILL BE REPLACED.
- CONTACT TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT OF WAY.



VICINITY MAP - NTS

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  - C102 STAKING PLAN WITH EXISTING TREES
  - C201 EXISTING CONDITIONS AND DEMOLITION PLAN
  - C301 GRADING PLAN
  - C401 EROSION CONTROL PLAN
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  - C703 SITE DETAILS
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- A2.0 EXTERIOR ELEVATIONS

SITE DATA

PROJECT: MAIDES PARK GYMNASIUM ADDITION  
 OWNER: CITY OF WILMINGTON  
 DEVELOPER/APPLICANT CONTACT: RYAN O'REILLY, PARKS LANDSCAPE AND FORESTRY MANAGER, COMMUNITY SERVICES, PARKS AND RECREATION DIVISION, 1702 BURNETT BOULEVARD, WILMINGTON, NC 28405, 910-341-7818  
 DESIGNER: CLH DESIGN, PA  
 DESIGNER CONTACT: RENE PFEFER, REGENCY PARK, 400 REGENCY FOREST DR., STE. 120, CARY, NC 27518, PHONE: 919-319-6716, FAX: 919-678-3170  
 PROJECT ADDRESS: 1101 MANLY AVE., WILMINGTON, NC 28405  
 TAX PIN: 3138-15-8976.000  
 ZONING: R-10  
 OVERLAY DISTRICT: NONE  
 EXISTING USE: MUNICIPAL PARK & RECREATION AREA  
 PROPOSED USE: MUNICIPAL PARK & RECREATION AREA  
 TRACT AREA: 577,153 SF (13.25 ACRES)  
 DISTURBED AREA: 0.78 ACRES  
 PROJECT BOUNDARY: 48,586.68 SF (1.11 ACRES)  
 FLOODPLAIN: SITE IS NOT WITHIN A FLOODPLAIN (REF. MAP 3720313800K DATED AUG. 28, 2018 )  
 THERE ARE NO WETLANDS WITHIN THE PROJECT BOUNDARY.  
 THERE ARE NO ENDANGERED SPECIES OR HABITATS ON THIS SITE.  
 BUILDING SETBACKS: REQUIRED PROVIDED  
 FRONT 10' 83.79'  
 REAR 25' 445 FEET  
 INTERIOR SIDE 10' 218.41 (NORTH)  
 CORNER SIDE 15' -  
 TYPE OF CONSTRUCTION: #B  
 NUMBER OF PROPOSED BUILDINGS: 1  
 NUMBER OF FLOORS ON PROPOSED BUILDING: 1  
 GROSS FLOOR AREA: EXISTING: 4,785 SQ. FT. PROPOSED TOTAL: 8,295 SQ. FT.  
 BUILDING LOT COVERAGE-EXISTING: 0.82%  
 BUILDING LOT COVERAGE-PROPOSED: 1.43%  
 BUILDING LOT COVERAGE-TOTAL: 2.25% (50% ALLOWED LOT COVERAGE)  
 EX. BUILDING HEIGHT: 33'-0"  
 MAX. BUILDING HEIGHT ALLOWED: 35'-0"  
 MAX. BUILDING HEIGHT PROPOSED: 32'-0"  
 CAMA LAND USE CLASSIFICATION: URBAN  
 CAMA AREAS OF CONCERN (AEC): THIS SITE IS NOT WITHIN A CAMA AEC.

IMPERVIOUS CALCULATIONS:	
TOTAL SITE IMPERVIOUS AREA:	99,957 SF
TOTAL NEWLY CONSTRUCTED IMPERVIOUS (WITHIN PROJECT BOUNDARY):	9,553 SF
EXISTING IMPERVIOUS TO REMAIN (WITHIN PROJECT BOUNDARY):	90,404 SF

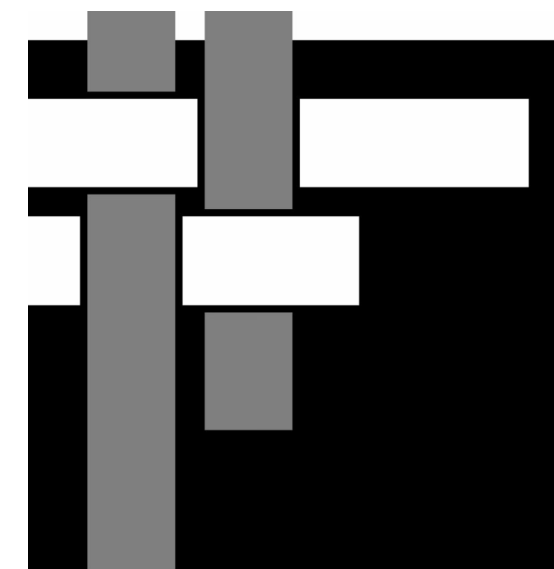
PARKING REQUIREMENTS:	
PARKING CODE MINIMUM:	1 SPACE PER 400 SF (BUILDING) 7869 S.F. / 400 S.F. = 20 SPACES
PARKING CODE MAXIMUM:	1 SPACE PER 200 SF (BUILDING) 7869 S.F. / 200 S.F. = 40 SPACES
EXISTING PARKING SPACES =	77 SPACES
NEW PARKING SPACES =	NONE REQUIRED
TOTAL SPACES PROVIDED =	77 SPACES (EXISTING)

BICYCLE PARKING REQUIREMENTS:	
BICYCLE PARKING CODE:	5 BICYCLE PARKING SPACES FOR 25 OR MORE AUTO PARKING SPACES.
NEW AUTO PARKING SPACES =	NONE
BICYCLE PARKING REQUIRED =	NONE
BICYCLE PARKING PROVIDED =	4 (3 EXISTING TO BE RELOCATED AND REPLACED)

LESS THAN 10,000 SF IMPERVIOUS SURFACE AREA IS PROPOSED FOR THIS PROJECT, THEREFORE A FULL STORMWATER PLAN REVIEW FOR THIS PROJECT IS NOT REQUIRED. A DRAINAGE PLAN REVIEW WILL BE REQUIRED.

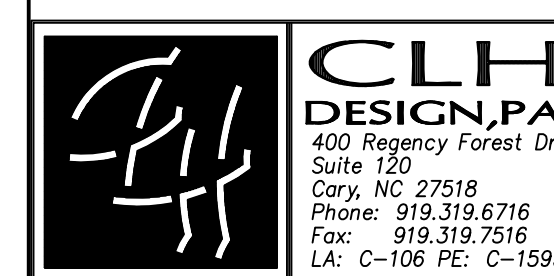
A TREE REMOVAL/PRESERVATION PERMIT IS REQUIRED PRIOR TO REMOVING ANY TREES. CONTRACTOR SHALL OBTAIN & COMPLETE PERMIT. CONTACT CITY OF WILMINGTON ZONING DEPARTMENT TO OBTAIN COPY OF PERMIT.

APPROVED CONSTRUCTION PLAN	
NAME	DATE
PLANNING _____	
TRAFFIC _____	
FIRE _____	



**SAWYER SHERWOOD & ASSOCIATE ARCHITECTURE**

124 Market St, Wilmington, NC 28401  
 910 762-0892 s2a3.com



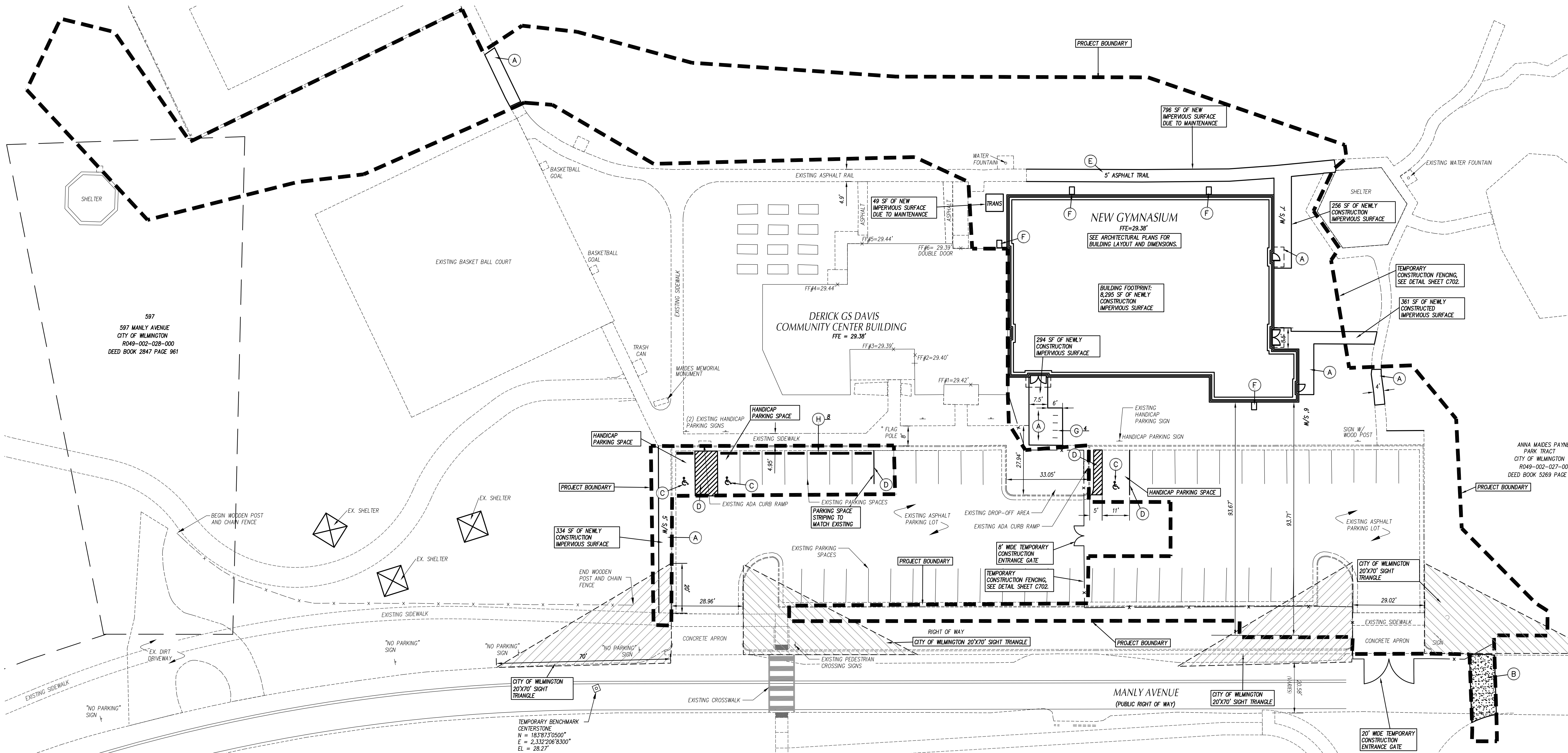
**MAIDES PARK GYMNASIUM ADDITION**  
 1101 MANLY AVENUE  
 WILMINGTON, NC, 28405

CITY OF WILMINGTON MINOR SITE PLAN SUBMITTAL  
 12/23/2019

Revisions:  
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COVER

C100



597  
597 MANLY AVENUE  
CITY OF WILMINGTON  
R049-002-028-000  
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ANNA MAIDES PAYNE  
PARK TRACT  
CITY OF WILMINGTON  
R049-002-027-000  
DEED BOOK 5269 PAGE

TEMPORARY BENCHMARK  
CENTERSTONE  
N = 1839230500"  
E = 2,3322068300"  
EL = 28.27'

**GENERAL NOTES**

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL CITY OF WILMINGTON AND NCDOT STANDARDS AND SPECIFICATIONS.
2. ALL DIMENSIONS SHOWN ARE TO FACE OF CURB AND FACE OF BUILDING WALL, UNLESS OTHERWISE SHOWN.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF ALL DIMENSIONS SHOWN AND CONTACT THE ARCHITECT IF ANY DISCREPANCIES OCCUR.
4. CONSTRUCTION STAKE OUT IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL PAVEMENT MARKINGS AND SIGNAGE SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
6. ALL FACE OF RADIUS ARE 4 FT UNLESS OTHERWISE SHOWN.
7. ALL PARKING SPACES SHALL BE 9' WIDE X 18 FT DEEP MIN.
8. (AC) DENOTES ACCESSIBLE PARKING SPACE.
9. (VAC) DENOTES VAN ACCESSIBLE PARKING SPACE.
10. ANY AND ALL LANDSCAPING, EXISTING TREES OR SHRUBS TO REMAIN WHICH ARE DAMAGED DURING DEMOLITION OR CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR UTILIZING A LICENSED LANDSCAPE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
11. CONTRACTOR SHALL SUBMIT SCALED PLANS OF ALL SCORING/JOINTS FOR APPROVAL BY ARCHITECT 30 DAYS MINIMUM PRIOR TO INSTALLATION.
12. THE CROSS-SLOPE ON ALL SIDEWALKS SHALL BE A MAXIMUM OF 2.0%.
13. NO WORK SHALL BE PERFORMED ON RIGHT-OF-WAYS OR ADJACENT PROPERTIES UNTIL THE OWNER NOTIFIES CONTRACTOR IN WRITING OF PROCUREMENT OF APPROPRIATE PERMITS, EASEMENTS, AGREEMENTS, OR RIGHTS-OF-WAY.
14. CONTRACTOR SHALL REPLACE ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS AND CURBING INSIDE THE PROJECT LIMITS.
15. CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY PAVEMENT MARKINGS ON SITE THAT HAVE WEATHERED TO THE POINT IN WHICH THEY ARE NO LONGER IN ACCORDANCE WITH THE MUTCD STANDARD OF MAINTENANCE.

**KEY NOTES**

- (A) CONCRETE SIDEWALK, SEE DETAIL SHEET C702.
- (B) PAVEMENT REPAIR-UTILITY CUTS, SEE DETAIL SHEET C702.
- (C) INTERNATIONAL SYMBOL OF ACCESSIBILITY PARKING SPACE MARKING.
- (D) PARKING SPACE STRIPING, SEE TRAFFIC CONTROL NOTES THIS SHEET.
- (E) ASPHALT TRAIL, SEE DETAIL SHEET C702.
- (F) SPLASH BLOCK, SEE DETAIL SHEET C702.
- (G) BIKE RACK, SEE DETAIL SHEET C702.
- (H) CONCRETE WHEEL STOP, SEE DETAIL SHEET C703.

**TRAFFIC CONTROL NOTES**

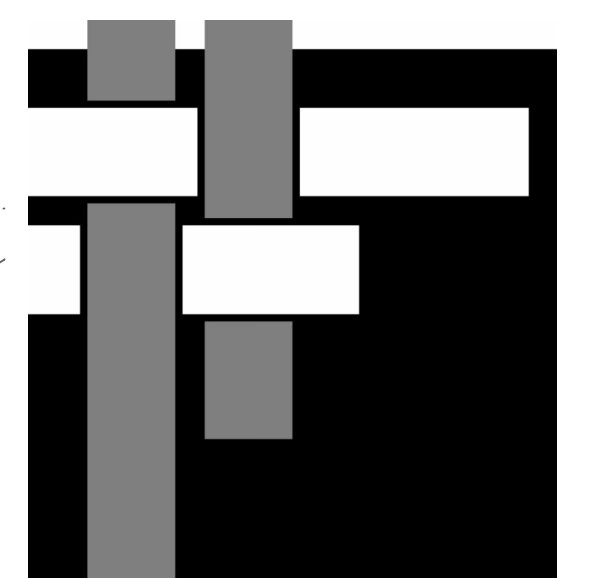
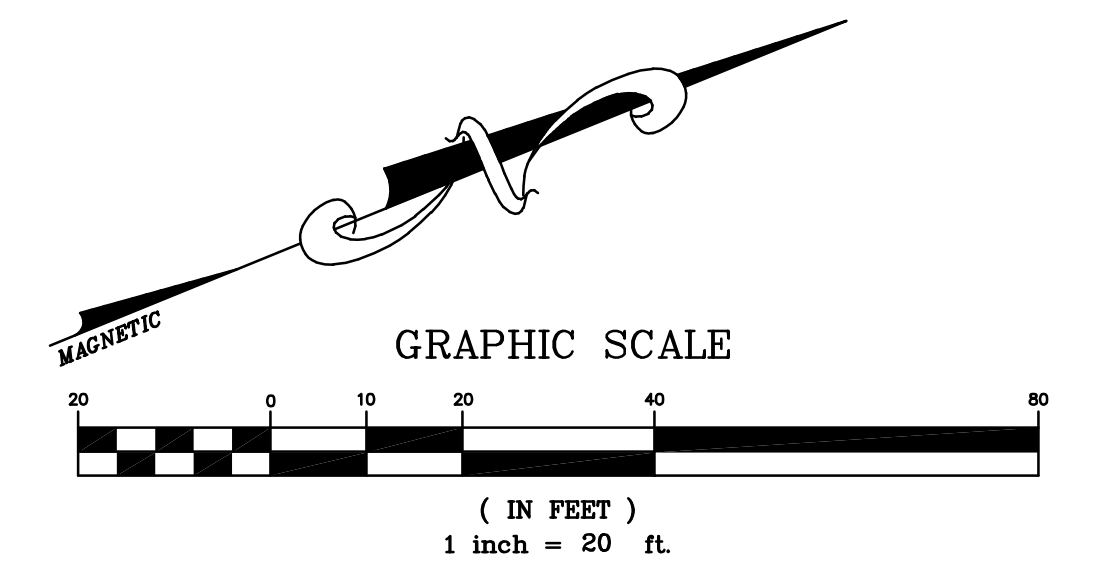
1. ALL PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE MUTCD AND NCDOT STANDARDS AND THE PROJECT SPECIFICATIONS.
- | MARKING                     | NCDOT STD. | SIZE | COLOR |
|-----------------------------|------------|------|-------|
| PARKING SPACES              | -          | 4-IN | WHITE |
| ACCESSIBILITY PARKING SPACE | -          | 4-IN | WHITE |
2. ALL PARKING SPACE LINES WHICH SHALL BE ALKYD-RESIN TYPE PAINT.
  3. ALL PAVEMENT MARKINGS IN ROW AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY OF WILMINGTON AND NCDOT STANDARDS.

**CITY OF WILMINGTON**  
NORTH CAROLINA  
Public Services Engineering Division  
APPROVED DRAINAGE PLAN

Date: \_\_\_\_\_ Permit # \_\_\_\_\_  
Signed: \_\_\_\_\_

**APPROVED CONSTRUCTION PLAN**

NAME	DATE
PLANNING	_____
TRAFFIC	_____
FIRE	_____



**SAWYER  
SHERWOOD  
& ASSOCIATE  
ARCHITECTURE**

124 Market St, Wilmington, NC 28401  
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Phone: 919.319.6716  
Fax: 919.319.7516  
LA: C-108 FE: C-1595



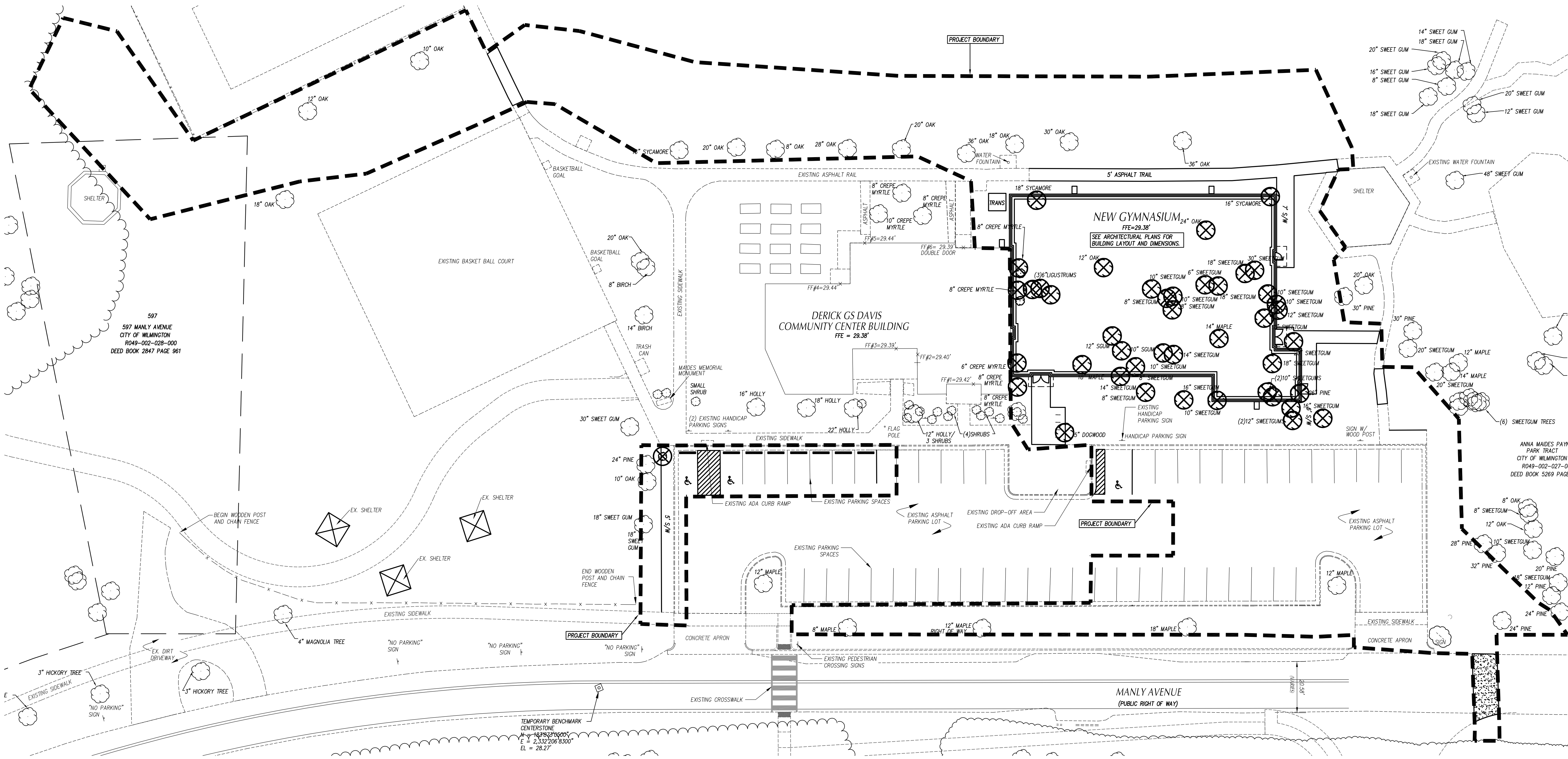
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1101 MANLY AVENUE  
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CITY OF WILMINGTON MINOR  
SITE PLAN SUBMITTAL  
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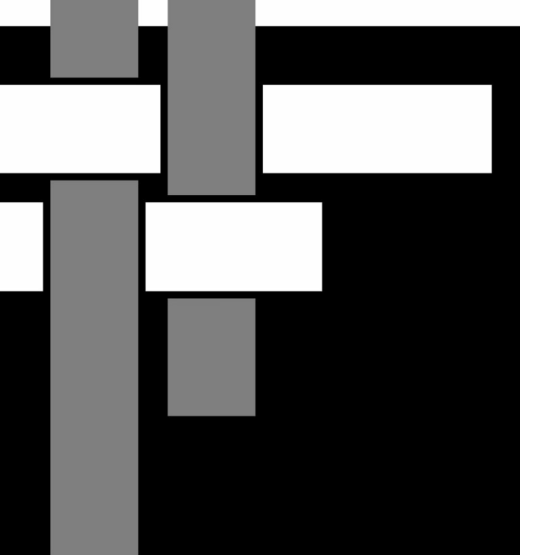
**STAKING PLAN**

C101



597  
597 MANLY AVENUE  
CITY OF WILMINGTON  
R049-002-028-000  
DEED BOOK 2847 PAGE 961

ANNA MAIDES PAIN  
PARK TRACT  
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TREE REMOVAL	
REGULATED TREES REMOVED: 18-456(a)	SIGNIFICANT TREES REMOVED: 18-456(b)
HARDWOOD TREES 8" MIN.	HARDWOOD TREES 24" MIN.
CONIFER TREES 12" MIN.	PINE TREES 32" MIN.
ORNAMENTAL 4" MIN.	ORNAMENTAL 8" MIN.
EXEMPT TREES - LOCATED WITHIN BUILDING FOOTPRINT	
18" SYCAMORES 5' DOGWOOD 16" SYCAMORE (4) 8" SWEET GUMS (10) 10" SWEET GUMS (4) 12" SWEET GUMS (2) 14" SWEET GUMS 16" SWEET GUMS (3) 18" SWEET GUMS 20" SWEET GUM 14" MAPLE 18" MAPLE 28" PINE 12" OAK 6" CREPE MYRTLE	24" OAK 30" SWEET GUM (2) 8" CREPE MYRTLES
TREES REQUIRING MITIGATION	
8" CREPE MYRTLE = 5 TREES REQUIRED FOR REPLACEMENT	
SEE TABLE FOR PRESERVED TREES PRESERVED TREES MEET MITIGATION REQUIREMENTS	

PRESERVED TREES			
SIZE	QTY.	VALUE	TOTAL
6-11" CALIPER 10" OAK (2) 8" OAK 8" MAPLE 8" CREPE MYRTLE	5	2 CREDITS EACH	5 X 2 = 10 CREDITS
12-17" CALIPER 16" SYCAMORE (2) 12" MAPLE 12" OAK	4	3 CREDITS EACH	4 X 3 = 12 CREDITS
18-23" CALIPER (2) 20" OAK - 18" SWEETGUM 18" OAK 18" MAPLE	5	4 CREDITS EACH	5 X 4 = 20 CREDITS
24"> 28" OAK (2) 36" OAK 30" OAK	6	(DBH/6)	178/6 = 29.6 CREDITS
TOTAL:			71.6 CREDITS FOR TREES RETAINED
15 TREES (2" CALIPER OR GREATER) PER ACRE OF DISTURBED AREA ACRES DISTURBED: 0.76 TREES REQUIRED: 12 TREES EXISTING TREES SAVED: 20 TREES			

**MITIGATION EXEMPTIONS**  
LDD SEC 12-461(A,B,C)  
A. PROTECTED TREES REMOVED WITHIN THE FOOTPRINT OF THE LOT COVERAGE ARE EXEMPT FROM MITIGATION, PROVIDED THE TOTAL BUILDING FOOTPRINT DOES NOT EXCEED TWENTY-FIVE(25) PERCENT OF THE TOTAL LOT AREA, AND PROVIDED THAT THE APPLICANT HAS DESIGNED AROUND TREES IN ORDER TO RETAIN AS MANY TREES AS PRACTICABLE.  
B. REGULATED TREES REMOVED WITHIN THE AREA OF DISTURBANCE NECESSARY FOR ESSENTIAL SITE IMPROVEMENTS ARE EXEMPT FROM MITIGATION, PROVIDED THE APPLICANT HAS DESIGNED AROUND TREES IN ORDER TO RETAIN AS MANY TREES AS PRACTICABLE.  
C. PROTECTED TREES THAT ARE REMOVED BY SPADING THE TREES AND PLANTED ELSEWHERE ON THE SITE ARE EXEMPT FROM MITIGATION. ADDITIONALLY, PROTECTED TREES THAT ARE REMOVED BY SPADING AND ACCEPTED BY THE CITY FOR PLANTING ON PUBLIC PROPERTY AT THE LOCATION DESIGNATED BY THE CITY MANAGER ARE EXEMPT FROM MITIGATION. ANY TREE THAT HAS BEEN TRANSPLANTED FOR THE PURPOSE OF THIS SECTION AND THAT BECOMES DISEASED OR DIES WITHIN THREE (3) YEARS OF TRANSPLANTING SHALL BE REPLANTED BY THE PARTY REQUESTING THE EXEMPTION WITH A TREE OF THE SAME SPECIES AND SIZE OR MITIGATED PURSUANT TO THIS ARTICLE.

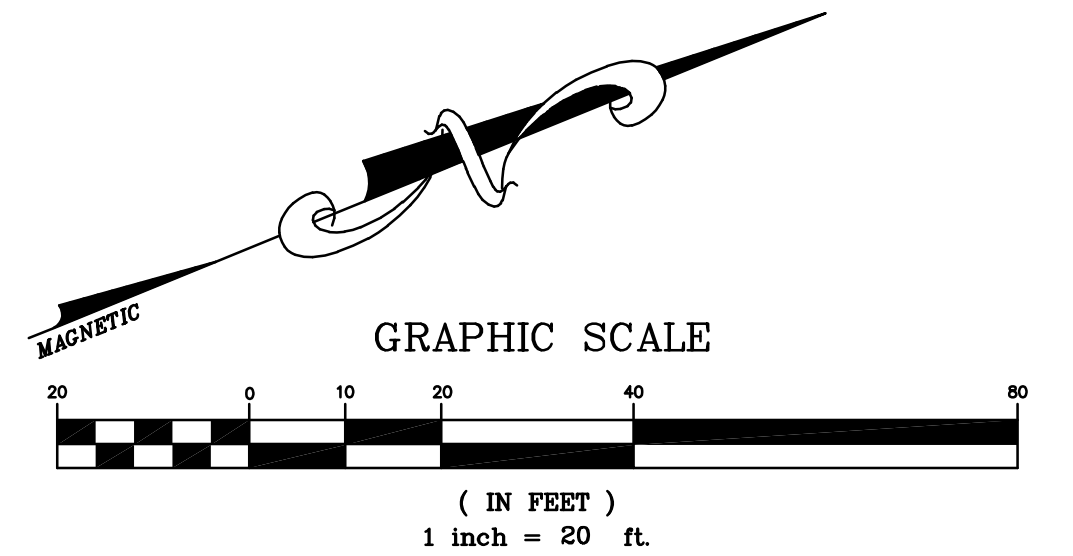
**THIS SHEET IS FOR PERMITTING PURPOSES ONLY AND SHOULD NOT BE USED FOR CONSTRUCTION.**

**CITY OF WILMINGTON**  
NORTH CAROLINA  
Public Services Engineering Division  
APPROVED DRAINAGE PLAN

Date: \_\_\_\_\_ Permit # \_\_\_\_\_  
Signed: \_\_\_\_\_

**APPROVED CONSTRUCTION PLAN**

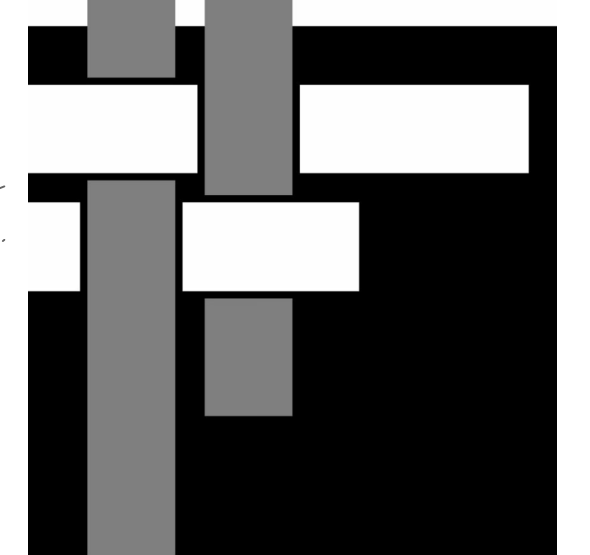
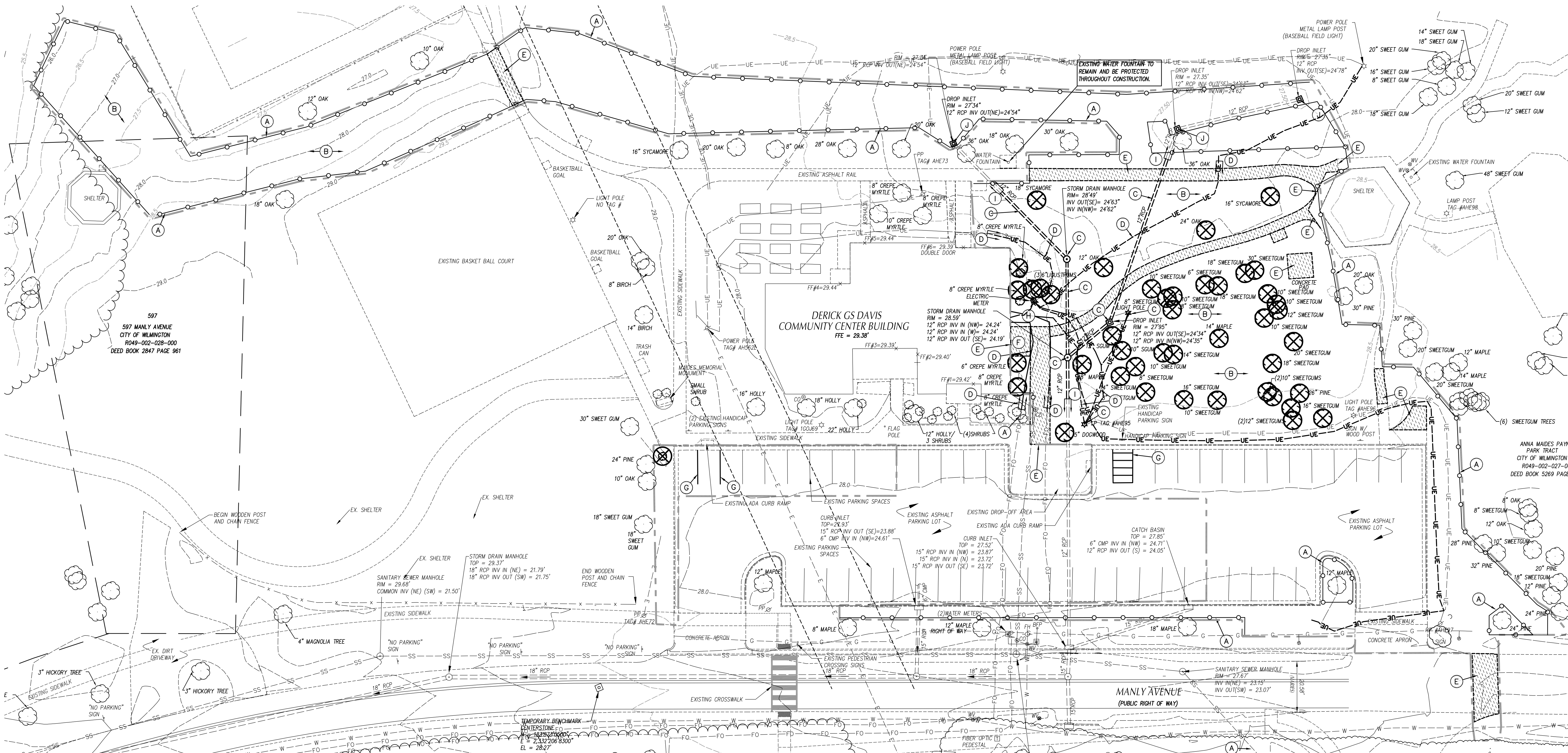
NAME	DATE
PLANNING _____	
TRAFFIC _____	
FIRE _____	



Revisions:

**STAKING PLAN  
WITH EXISTING  
TREES**

C102



**SAWYER  
SHERWOOD  
& ASSOCIATE  
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124 Market St, Wilmington, NC 28401  
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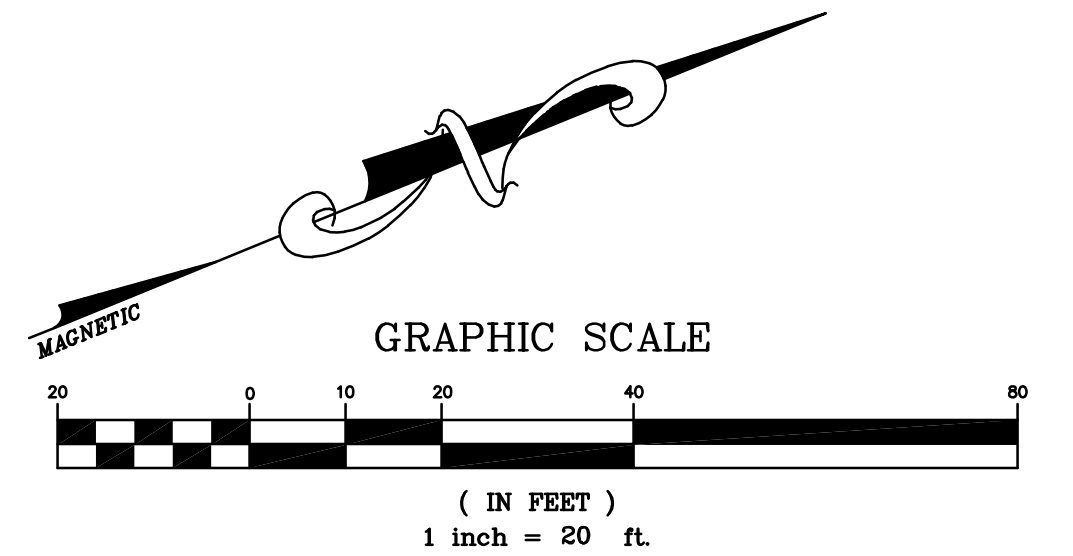
CITY OF WILMINGTON MINOR  
SITE PLAN SUBMITTAL  
12/23/2019

**LEGEND**

STRUCTURES/UTILITIES TO BE REMOVED	STRUCTURES/UTILITIES TO REMAIN
OVERHEAD ELECTRICAL ----- E -----	OVERHEAD ELECTRICAL ----- E -----
UNDERGROUND ELECTRICAL ----- UE -----	UNDERGROUND ELECTRICAL ----- UE -----
FIRE PROTECTION ----- FP -----	FIRE PROTECTION ----- FP -----
GAS ----- G -----	GAS ----- G -----
SANITARY SEWER ----- SS -----	SANITARY SEWER ----- SS -----
TELEPHONE ----- T -----	TELEPHONE ----- T -----
UNDERGROUND TELEPHONE ----- UT -----	UNDERGROUND TELEPHONE ----- UT -----
FIBER OPTIC ----- FO -----	FIBER OPTIC ----- FO -----
WATER ----- W -----	WATER ----- W -----
FORCE MAIN ----- FM -----	FORCE MAIN ----- FM -----
STORM DRAIN ----- SD -----	STORM DRAIN ----- SD -----
INDIVIDUAL TREE TO BE REMOVED. SEE TREE REMOVAL NOTE	INDIVIDUAL TREE TO REMAIN
LIGHT POLE ☆ LP	LIGHT POLE ☆ LP
UTILITY POLE ☆ UP	UTILITY POLE ☆ UP
MANHOLE ○ MH	MANHOLE ○ MH
CLEAN OUT ○ CO	CLEAN OUT ○ CO
DROP INLET, CATCH BASIN □ DI, CB	DROP INLET, CATCH BASIN □ DI, CB
FIRE HYDRANT ○ FH	FIRE HYDRANT ○ FH
WATER VALVE ○ WV	WATER VALVE ○ WV
CONSTR./CLEARING LIMITS	PAVEMENT, S/W, C&G TO BE REMOVED
TREE PROTECTION FENCE	BUILDING/STRUCTURE TO BE REMOVED. SEE ARCHITECTURAL PLANS.

- GENERAL NOTES**
- ALL EXISTING STRUCTURES AND UTILITIES SHALL BE REMOVED AS NEEDED TO ALLOW NEW CONSTRUCTION. IN GENERAL, FEATURES INDICATED IN BOLD ON THIS PLAN SHALL BE REMOVED.
  - ALL PAVEMENT OR CONCRETE TO BE REMOVED SHALL BE SAW CUT TO PROVIDE A STRAIGHT AND UNIFORM JOINT FOR NEW PAVEMENT, SIDEWALK, OR CURB AND GUTTER, ETC. ANY EXISTING PAVEMENT, SIDEWALK, CURB AND GUTTER, ETC. THAT MUST BE REMOVED TO ALLOW NEW CONSTRUCTION SHALL BE REMOVED AND REPAIRED PER THE SPECIFICATIONS AND DETAILS OR TO MATCH PRE-CONSTRUCTION CONDITIONS (WHETHER OR NOT SHOWN ON THE DRAWINGS TO BE REMOVED).
  - ALL UTILITIES OR STRUCTURES NOT INDICATED FOR REMOVAL OR MODIFICATION ARE TO REMAIN AND BE PROTECTED FROM DAMAGE.
  - ALL WASTE MATERIAL GENERATED FROM DEMOLITION ACTIVITIES SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH ALL APPLICABLE RULES AND REGULATIONS.
  - EXISTING SITE BOUNDARY AND TOPOGRAPHIC SURVEY INFORMATION WAS TAKEN FROM SURVEY BY CITY OF WILMINGTON PETER J. BRENNAN, CITY SURVEYOR, PERFORMED 4/29/2018. THESE PLANS DO NOT ASSUME ANY LIABILITY FOR ANY EXISTING INFORMATION BOTH SHOWN AND NOT SHOWN ON THE SURVEY AND ANY CHANGES TO THE EXISTING CONDITIONS THAT MAY HAVE OCCURRED AFTER THE SURVEY WAS ISSUED. CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION.
  - INSTALL TREE PROTECTION FENCING PRIOR TO BEGINNING CLEARING OPERATIONS. CLEAR AND GRUB ALL AREAS AS SHOWN AND REQUIRED TO PERMIT INSTALLATION OF NEW CONSTRUCTION PER SPECIFICATIONS AND DRAWINGS. EXISTING TREES, SHRUBS OR OTHER LANDSCAPE MATERIAL WHICH WILL CONFLICT WITH NEW CONSTRUCTION SHALL BE REMOVED (WHETHER OR NOT SHOWN ON THE DRAWINGS). ALL CONTRACTORS SHALL VISIT THE SITE AND OBSERVE EXISTING CONDITIONS PRIOR TO BIDDING.
  - TO MINIMIZE DAMAGE TO EXISTING TREES NEAR THE INTERIOR EDGE OF CLEARING LIMITS, THE CONTRACTOR SHALL CUT 2'-FT DEEP TRENCHES ALONG THE LIMITS OF DISTURBANCE, SO AS TO CUT, RATHER THAN TEAR ROOTS.
  - PRIOR TO DEMOLISHING EXISTING STRUCTURES, MAKE AN INSPECTION FOR ANY HAZARDOUS MATERIALS. CONTACT ARCHITECT IMMEDIATELY IF ANY HAZARDOUS MATERIALS ARE DISCOVERED. CAP AND REMOVE UTILITY SERVICES, FUEL TANKS AND SEPTIC SYSTEMS. ALL WORK TO BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.
  - VERIFY ALL ILLUSTRATED UNDERGROUND ELEMENTS/UTILITIES. EXERCISE REASONABLE EFFORTS TO PROTECT ANY UNKNOWN UNDERGROUND ELEMENTS/UTILITIES. NOTIFY THE ARCHITECT IMMEDIATELY IF UNKNOWN ELEMENTS/UTILITIES ARE DISCOVERED THAT WOULD NECESSITATE MODIFICATION TO THE PROPOSED DESIGN.
  - CONTACT UTILITY LOCATING SERVICE AT LEAST 48-HRS PRIOR TO EXCAVATION.
  - PROTECT ALL ADJACENT PROPERTIES, THE GENERAL PUBLIC AND ALL OF THE OWNER'S FACILITIES. SHOULD DAMAGES OCCUR, REPAIR IMMEDIATELY AS DIRECTED BY THE ARCHITECT.
  - ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL CITY OF WILMINGTON AND/OR NC DOT STANDARDS AND SPECIFICATIONS.
  - ALL EXISTING VAULTS, MANHOLES, STORM DRAIN STRUCTURES, CLEANOUTS, ETC. SHALL BE ADJUSTED AS NEEDED TO MATCH FINISH GRADE.
  - DEMOLITION AND PATCHING OF PAVEMENT, SIDEWALK, CURB AND GUTTER AND OTHER EXISTING PAVED SURFACES IN ADDITION TO THAT INDICATED ON THIS PLAN SHALL BE PERFORMED AS REQUIRED TO CONSTRUCT AND INSTALL NEW UTILITIES. ALL SUCH DEMOLITION AND PATCHING SHALL BE INCLUDED IN THE BASE BID SCOPE OF WORK. SEE SHEET C202 FOR PAVEMENT REPAIR DETAILS.
  - THIS SITE IS LOCATED WITHIN SPECIAL FLOOD HAZARD AREAS AS DETERMINED BY FEMA AND DEPICTED ON F.I.R.M. MAP 3720313800K, DATED AUG. 28, 2018 AS BEING WITHIN ZONE "X-OTHER AREA".
  - NO WORK SHALL BE PERFORMED ON RIGHT-OF-WAYS OR ADJACENT PROPERTIES UNTIL THE OWNER NOTIFIES CONTRACTOR IN WRITING OF PROCUREMENT OF APPROPRIATE PERMITS, EASEMENTS, AGREEMENTS OR RIGHTS-OF-WAY.
  - CONTACT TRAFFIC ENGINEERING AT (910)-341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT OF WAY.
- TREE REMOVAL NOTE:**  
T. ALL TREE REMOVAL WILL BE PERFORMED BY THE CITY OF WILMINGTON. GENERAL CONTRACTOR IS RESPONSIBLE FOR GRUBBING AND TREE TRUNK REMOVAL.

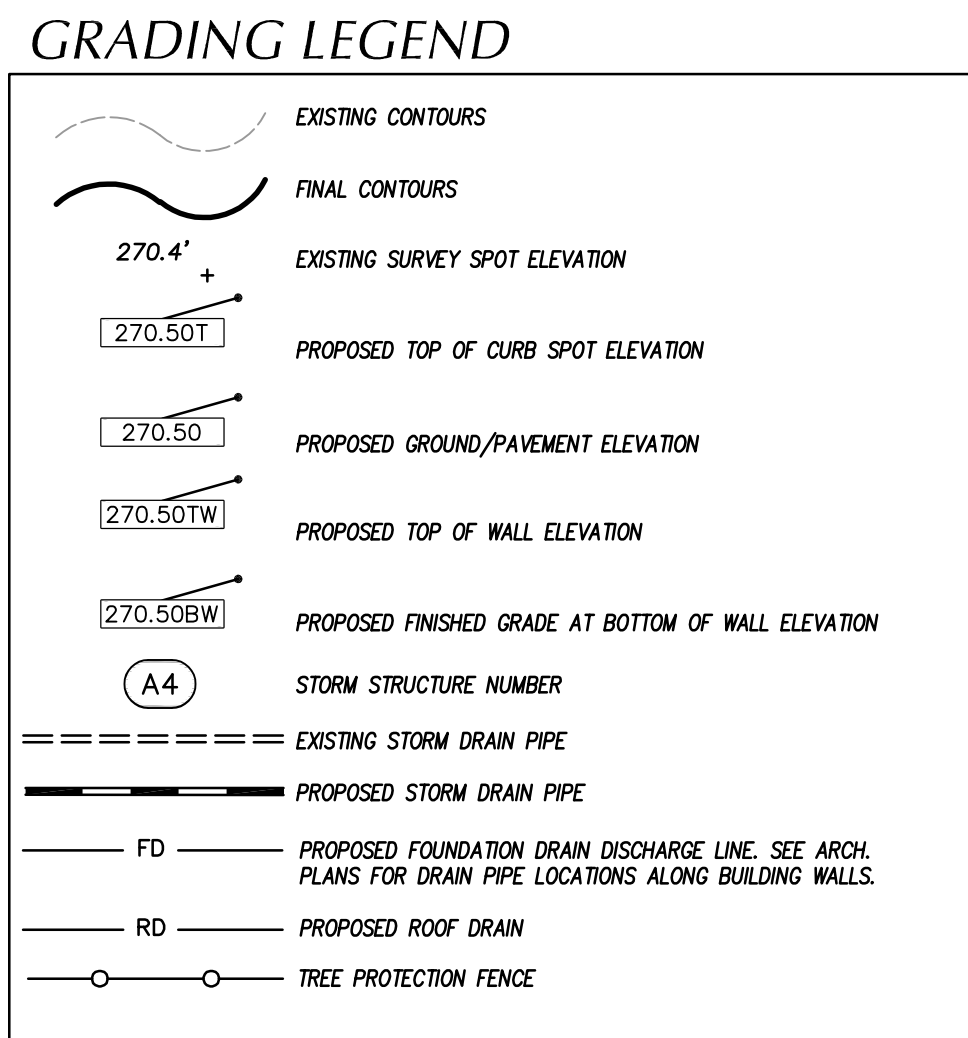
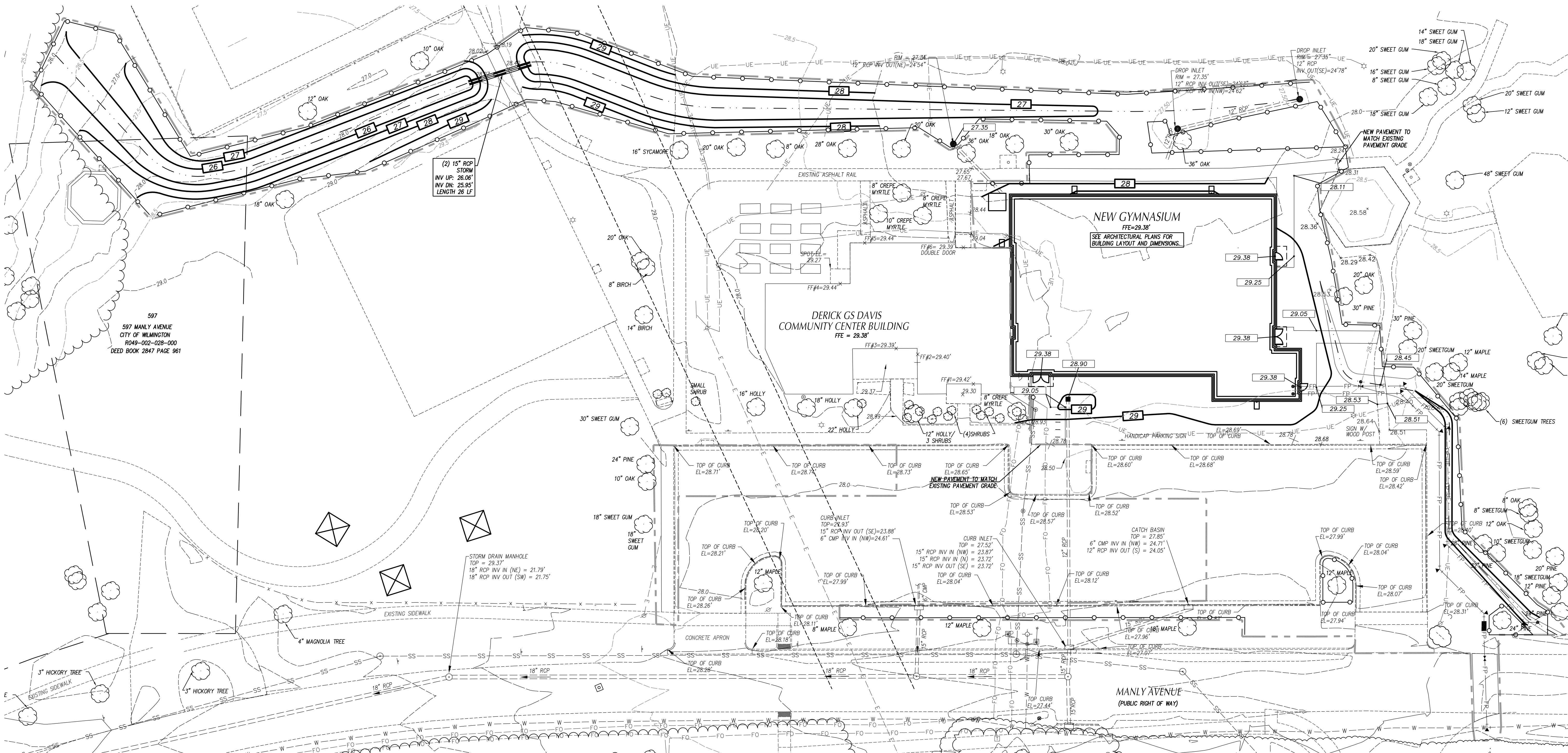
- WILMINGTON FIRE & LIFE SAFETY NOTES**
- CONTRACTOR SHALL MAINTAIN AN ALL-WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION.
  - NEW HYDRANTS MUST BE BROUGHT INTO SERVICE PRIOR TO COMBUSTIBLE MATERIALS DELIVERED TO THE JOB SITE.
  - A HYDRANT MUST BE WITHIN 150' OF THE FDC (MEASURED AS THE TRUCK DRIVES FOR PRACTICAL USE).
  - FDC MUST BE WITHIN 40' OF FIRE APPARATUS PLACEMENT.
  - LANDSCAPING OR PARKING CANNOT BLOCK OR IMPEDE THE FDC OR FIRE HYDRANTS. A 3-FOOT CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF THE HYDRANT AND FDC.
  - ADDITIONAL FIRE PROTECTION AND/OR ACCESSIBILITY REQUIREMENTS MAY BE REQUIRED DUE TO ANY SPECIAL CIRCUMSTANCES CONCERNING THE PROJECT.
  - PRIVATE UNDERGROUND FIRE LINES REQUIRE A SEPARATE UNDERGROUND FIRE LINE PERMIT FROM THE WILMINGTON FIRE AND LIFE SAFETY DIVISION 910-343-0696.
  - CONTRACTOR SHALL SUBMIT A RADIO SIGNAL STRENGTH STUDY THAT DEMONSTRATES THAT EXISTING EMERGENCY RESPONDER RADIO SIGNAL LEVELS MEET THE REQUIREMENTS OF SECTION 510 OF THE 2018 NC FIRE CODE.
  - ALL ISOLATION VALVES MUST BE ELECTRICALLY SUPERVISED.
- KEY NOTES**
- (A) TEMPORARY TREE PROTECTION FENCE, SEE DETAIL SHEET C701.
  - (B) CLEAR AND GRUB, STRIP TOPSOIL WITHIN CONSTRUCTION LIMITS.
  - (C) STRUCTURE/UTILITY TO BE REMOVED.
  - (D) EXISTING UTILITY LINE/STRUCTURE TO BE REMOVED/RELOCATED BY LOCAL UTILITY COMPANY. REFER TO SITE ELECTRICAL PLAN FOR ADDITIONAL INFORMATION.
  - (E) SAWCUT AND REMOVE PAVEMENT.
  - (F) REMOVE EXISTING BIKE RACKS.
  - (G) REMOVE EXISTING PARKING LOT STRIPING.
  - (H) EXISTING TRANSFORMER TO BE REMOVED, SEE ELECTRICAL SITE PLAN FOR NEW LOCATION & ADDITIONAL INFORMATION.
  - (I) CAP AND ABANDON UTILITY.
  - (J) CONVERT DROP INLET TOP TO SOLID STORM MANHOLE COVER, SEE SHEET C301 FOR ADDITIONAL INFORMATION.



Revisions:

NO.	DATE	DESCRIPTION

**EXISTING  
CONDITIONS &  
DEMOLITION  
PLAN**  
C201



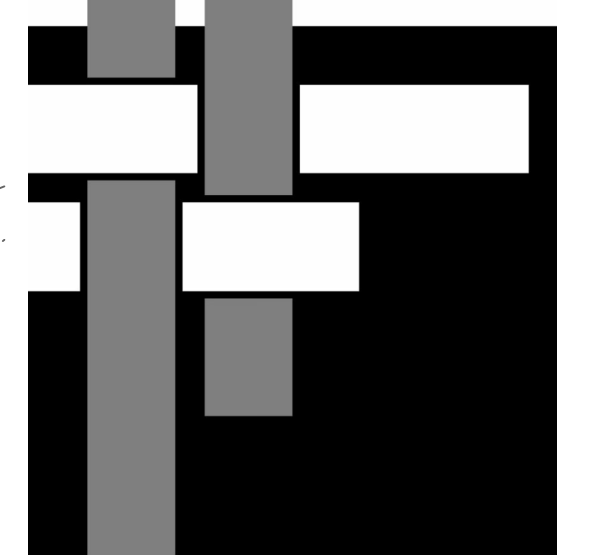
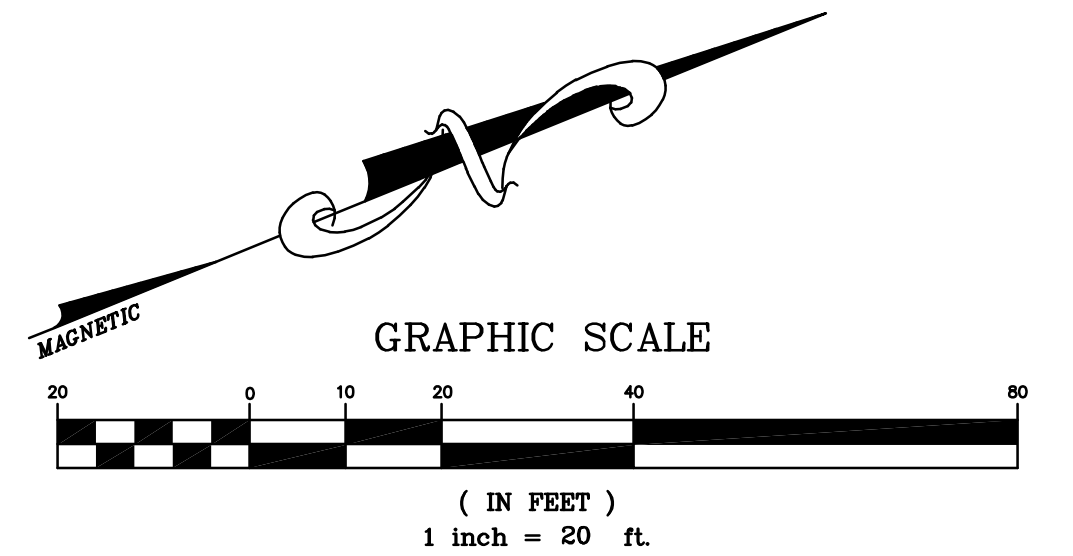
- ### GENERAL NOTES
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL CITY OF WILMINGTON AND NCDOT STANDARDS AND SPECIFICATIONS.
  - ALL SPOT ELEVATIONS INDICATED AT CURB AND GUTTER AND ARE DENOTED TO TOP OF CURB, UNLESS OTHERWISE SHOWN.
  - TOTAL DEMOLDED AREA = 0.78 AC
  - CONTRACTOR SHALL ADJUST ALL EXISTING VAULTS, MANHOLES, STORM DRAIN STRUCTURES, CLEANOUTS, ETC. AS NEEDED TO MATCH FINISH GRADE.
  - ALL BACKFILL, COMPACTION, SOILS TESTING, ETC. SHALL BE PERFORMED BY THE OWNERS INDEPENDENT TESTING LABORATORY. (SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION)
  - ALL STORM DRAIN PIPES SHALL BE PROTECTED WITH STONE FILTER PROTECTION AFTER STOPPAGE OF WORK EACH DAY. SEE DETAIL ON SHEET 0701.
  - EXISTING VEGETATION WITHIN TREE PROTECTION AREAS SHALL REMAIN UNDISTURBED, UNLESS NOTED OTHERWISE.
  - ANY AND ALL LANDSCAPING AND EXISTING TREES & SHRUBS TO REMAIN WHICH ARE DAMAGED DURING DEMOLITION OR CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR UTILIZING A LICENSED LANDSCAPE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
  - THE GRADING CONTRACTOR SHALL COMPLY WITH ALL STATE CODES IN OBSERVING EROSION CONTROL MEASURES BOTH ON AND OFF-SITE.
  - THE GRADING CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL DEVICES AFTER EACH RAINFALL EVENT OR AS DIRECTED BY STATE AUTHORITIES OR THE ARCHITECT.
  - THE GRADING CONTRACTOR SHALL BE RESPONSIBLE FOR OFF-SITE DISPOSAL OF ALL CLEARING AND GRADING WASTE MATERIALS GENERATED DURING CONSTRUCTION AND FOR OBTAINING ALL APPLICABLE PERMITS FOR OFF-SITE STOCKPILES AND/OR WASTE AREAS.
  - THE CROSS-SLOPE ON ALL SIDEWALKS SHALL BE A MAXIMUM OF 2.0%.
  - CONTRACTOR SHALL VERIFY ALL EXISTING ELEVATIONS WHERE NEW CONSTRUCTION JOIN OR CONNECT TO EXISTING PAVEMENT, CURB AND OTHER RIGID STRUCTURES. NOTIFY ARCHITECT IF DISCREPANCIES OCCUR.

**CITY OF WILMINGTON**  
 NORTH CAROLINA  
 Public Services Engineering Division  
 APPROVED DRAINAGE PLAN

Date: \_\_\_\_\_ Permit # \_\_\_\_\_  
 Signed: \_\_\_\_\_

APPROVED CONSTRUCTION PLAN

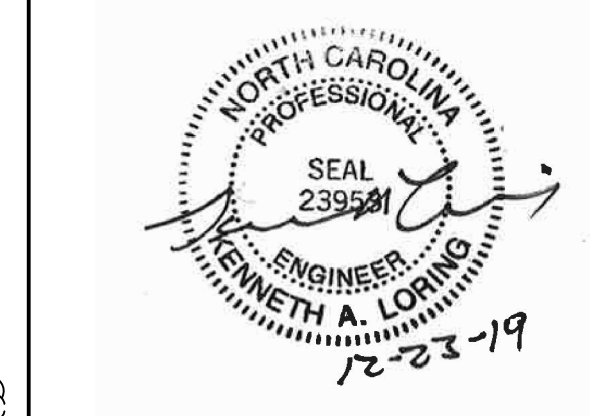
NAME	DATE
PLANNING _____	_____
TRAFFIC _____	_____
FIRE _____	_____



**SAWYER  
 SHERWOOD  
 & ASSOCIATE  
 ARCHITECTURE**

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 910 762-0892      s2a3.com

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 Phone: 919.319.6716  
 Fax: 919.319.7516  
 LA: C-108 PE: C-1595

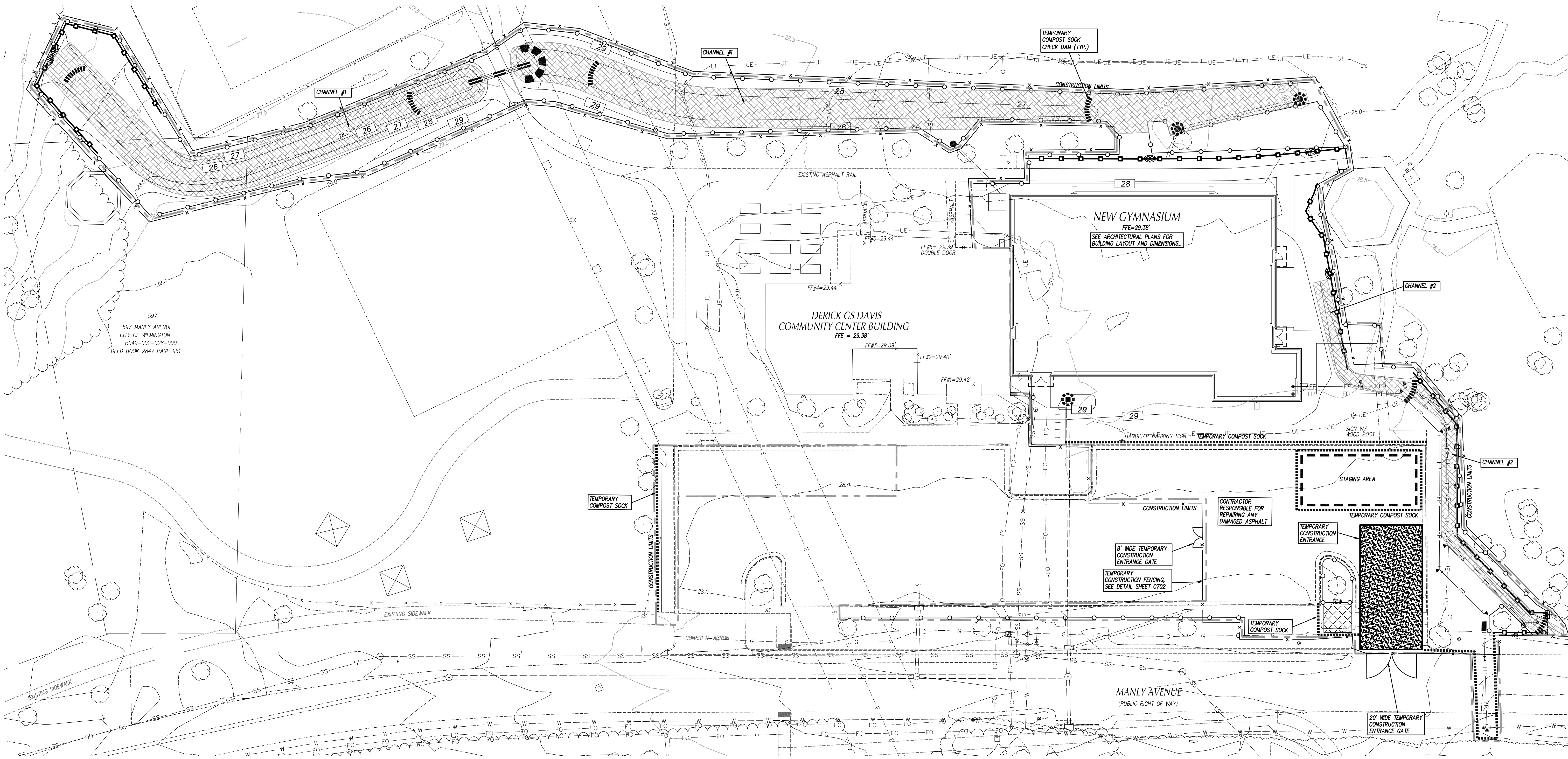


**MAIDES PARK  
 GYMNASIUM  
 ADDITION**  
 1101 MANLY AVENUE  
 Wilmington, NC, 28405

CITY OF WILMINGTON MINOR  
 SITE PLAN SUBMITTAL  
 12/23/2019

Revisions:  
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GRADING PLAN



597  
597 MANLY AVENUE  
CITY OF WILMINGTON  
R049-002-028-000  
DEED BOOK 2847 PAGE 961

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**MAIDES PARK GYMNASIUM ADDITION**  
1101 MANLY AVENUE  
Wilmington, NC, 28405

CITY OF WILMINGTON MINOR  
SITE PLAN SUBMITTAL  
12/23/2019

**LEGEND**

	TEMP. GRAVEL CONSTR. ENTRANCE SEE DETAIL SHEET C701.		TREE PROTECTION FENCE SEE DETAIL SHEET C701.
	TEMP. INLET PROTECTION DEVICE SEE DETAIL SHEET C701		EXISTING CONTOUR
	TEMP. COMPOST SOCK SEE DETAIL SHEET C701		FINISHED CONTOUR (TEMP. GRADES DURING CONSTR.)
	TEMP. SILT FENCE SEE DETAIL SHEET C701.		PROPOSED STORM SEWER PIPES
	TEMP. REINFORCED SILT FENCE OUTLET SEE DETAIL SHEET C701.		EXISTING STORM SEWER PIPES
	TEMP. CONCRETE WASHOUT AREA SEE DETAIL SHEET C704.		CONSTRUCTION LIMITS UNLESS OTHERWISE NOTED.
	TEMP. ROCK PIPE INLET PROTECTION. SEE DETAIL SHEET C702		TEMPORARY COMPOST SOCK CHECK DAM. SEE SHEET C703.

**MAINTENANCE PLAN**

- DURING ALL PHASES OF CONSTRUCTION, GROUND COVER ON EXPOSED SLOPES SHALL BE PROVIDED ACCORDING TO GROUND STABILIZATION TABLE FOLLOWING COMPLETION OF ANY PHASE OF GRADING. SEE SHEET C704.
- FINAL PERMANENT GROUND COVER FOR ALL DISTURBED AREAS SHALL BE PROVIDED ON ALL DISTURBED AREAS ACCORDING TO GROUND STABILIZATION TABLE FOLLOWING COMPLETION OF CONSTRUCTION OR DEVELOPMENT. SEE SHEET C704.
- THE ABOVE REQUIREMENTS ARE THE MINIMUM NECESSARY TO MEET EROSION AND SEDIMENT CONTROL REGULATIONS. THE CONTRACT DOCUMENTS INCLUDE ADDITIONAL SEEDING AND STABILIZATION REQUIREMENTS AND SCHEDULES WHICH MAY EXCEED THOSE ABOVE.
- SLOPE EROSION CONTROL MATTING SHALL BE INSTALLED FOR TEMPORARY STABILIZATION DURING THE ESTABLISHMENT OF VEGETATIVE COVER ON ALL STEEP SLOPES (6:1 OR STEEPER). REFER TO MATERIAL SPECIFICATIONS. INSTALL MATTING PER MANUFACTURER'S INSTRUCTIONS.
- ALL OTHER SEEDING AREAS SHALL BE MULCHED WITH STRAW AND TACKED WITH ASPHALT.

**SELF-INSPECTION RULES**

SEE SHEET C705 FOR SELF-INSPECTION REQUIREMENTS.  
THE FINANCIALLY RESPONSIBLE PERSON AND/OR HIS AGENT WILL BE PERFORM SELF INSPECTIONS OF THE EROSION AND SEDIMENTATION CONTROL MEASURES USING NCEMULR'S SELF INSPECTION REPORT (WORKSHEET) AND THIS WILL BE KEPT ON SITE.

**SLOPE & SURFACE STABILIZATION**

GROUND STABILIZATION SHALL BE PROVIDED ON ALL DISTURBED AREAS ACCORDING TO GROUND STABILIZATION NOTES. SEE SHEET C704.  
EXTENSIONS OF TIME MAY BE APPROVED BY THE PERMITTING AUTHORITY BASED ON WEATHER OR OTHER SITE-SPECIFIC CONDITIONS THAT MAKE COMPLIANCE IMPRACTICABLE (SECTION II.B.(2) (b)).  
THE REQUIREMENTS ON SHEET C704 ARE THE MINIMUM NECESSARY TO MEET EROSION AND SEDIMENT CONTROL REGULATIONS. THE CONTRACT DOCUMENTS INCLUDE ADDITIONAL SEEDING AND STABILIZATION REQUIREMENTS AND SCHEDULES WHICH MAY EXCEED MINIMUM REQUIREMENTS.  
INSTALL TEMPORARY EXCLOSOR MATTING FOR STABILIZATION DURING THE ESTABLISHMENT OF VEGETATIVE COVER ON ALL STEEP SLOPES (6:1 OR STEEPER) AND AREAS OF CONCENTRATED FLOW (CHANNELS, DITCHES, SWALES, ETC.). UTILIZE TEMPORARY COCONUT MAT IN AREAS IDENTIFIED ON PLAN. REFER TO SPECIFICATION SECTION 312500 FOR MATERIAL SPECIFICATIONS. INSTALL MATTING PER MANUFACTURER'S INSTRUCTIONS.

**CONSTRUCTION SEQUENCE**

- OBTAIN APPROVED PLAN AND APPROVAL PLACARD. A COPY OF THE APPROVED PLAN MUST BE ON FILE AT THE JOB SITE.
- INSTALL TREE PROTECTION FENCING.
- CONDUCT PRE-CONSTRUCTION CONFERENCE.
- CONTRACTOR SHALL CONDUCT SELF-INSPECTIONS OF THE EROSION AND SEDIMENTATION CONTROL MEASURES AND COMPLETE THE FOLLOWING COMBINED SELF-INSPECTION FORM FOUND ON THE NCEMULR WEBSITE:  
(<http://dep.nc.gov/about/divisions/energy-mineral-land-resources/erosion-sediment-control/forms>). COMPLETE INSPECTION FORMS SHALL BE KEPT ON-SITE AND AVAILABLE FOR INSPECTION AT ALL TIMES. SEE DETAIL SHEET C705.
- INSTALL CONSTRUCTION ENTRANCES, PERIMETER SILT FENCES, TEMPORARY COMPOST SOCKS, TEMPORARY INLET PROTECTION DEVICES ON EXISTING INLETS, CLEAR AND GRUB.
- ESTABLISH TEMPORARY CONSTRUCTION TRAILERS WITHIN STAGING AREA.
- SEED AND MULCH ALL AREAS DISTURBED BY CONSTRUCTION. GROUND STABILIZATION WILL BE APPLIED WITHIN 14 CALENDAR DAYS FROM LAST LAND DISTURBING ACTIVITY. FOR STEEP SLOPES, THAT AREA MUST BE STABILIZED WITHIN 7 CALENDAR DAYS.
- AT THE END OF EACH DAY, INSTALL AND ADJUST TEMPORARY TEMPORARY COMPOST SOCK PERIMETER FENCES AS NECESSARY. ALL DISTURBED AREAS ARE TO BE STABILIZED AS OUTLINED ON THIS PLAN.
- INSTALL STORM DRAINAGE SYSTEM AS GRADING OPERATIONS PROGRESS. INSTALL INLET AND OUTLET PROTECTION DEVICES AT NEW STRUCTURES AS THEY ARE CONSTRUCTED. PROTECT ALL OPEN STORM DRAIN LINES UNDER CONSTRUCTION WITH STONE FILTER AFTER STOPPAGE OF WORK EACH DAY.
- VEGETATE (OR OTHERWISE STABILIZE WITH PAVEMENT, BUILDING PAD ETC.) IMMEDIATELY TO ALL DISTURBED AREAS AS SHOWN IN SLOPE AND STABILIZATION NOTES. MAINTAIN THROUGHOUT THE DURATION OF THE PROJECT.
- MAINTAIN ALL EROSION & SEDIMENT CONTROL MEASURES THROUGHOUT CONSTRUCTION.
- CALL FOR INSPECTION BY ENGINEER OF STABILIZED SITE. IF APPROVED, REMOVE TEMPORARY EROSION CONTROL DEVICES. SEED AND MULCH ALL DISTURBED AREAS.

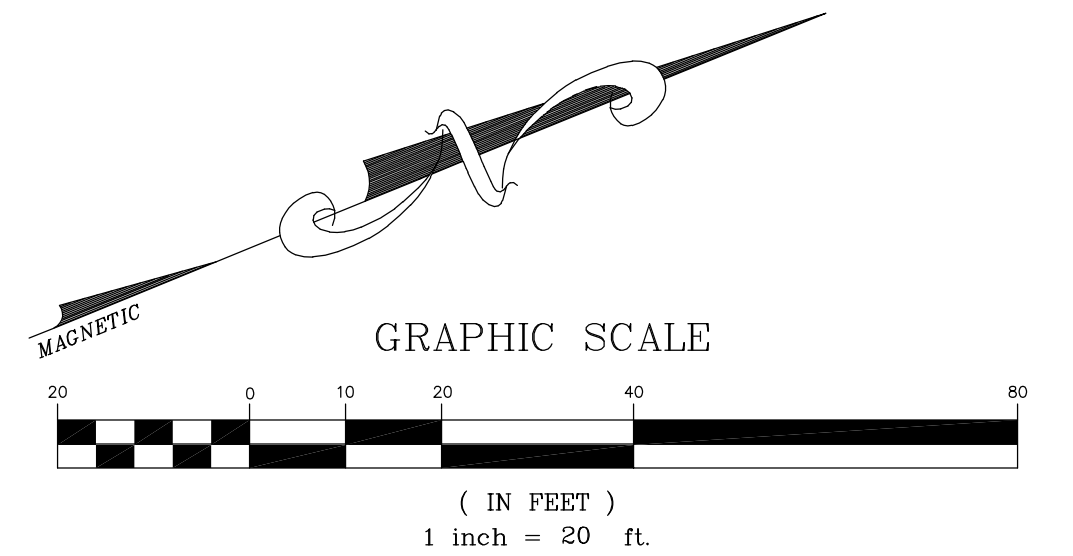
**GENERAL NOTES**

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL CITY OF WILMINGTON AND NCDOT STANDARDS, SPECIFICATIONS AND DETAILS.
- THE CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL CODES IN OBSERVING EROSION CONTROL MEASURES BOTH ON AND OFF SITE. ALL OFF-SITE SOIL BORROW AND WASTE SITES SHALL BE PROPERLY PERMITTED FOR SUCH ACTIVITIES. CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION OF SEDIMENT & EROSION CONTROL PERMIT FOR ANY OFF-SITE SITES TO OWNER PRIOR TO RELOCATING ANY STOCKPILE MATERIALS.
- THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL DEVICES AFTER EACH RAINFALL EVENT OR AS DIRECTED BY LOCAL AUTHORITIES OR ARCHITECT.
- ALL OPEN STORM PIPES SHALL BE PROTECTED WITH STONE FILTER PROTECTION AFTER WORK STOPPAGE EACH DAY. SEE DETAIL SHEET C701.
- ALL STORM DRAINAGE PIPES SHALL BE THOROUGHLY FLUSHED OF ALL SEDIMENT FOLLOWING SITE STABILIZATION. INTERIOR FLUSHING OF SYSTEM SHALL BE PERFORMED AS NEEDED TO MAINTAIN PROPER FUNCTIONING OF THE DRAINAGE SYSTEM.
- THE INDICATED STAGING AREA IS INTENDED FOR VEHICLES AND NON-ERODIBLE MATERIALS ONLY. NO SOIL, SAND OR OTHER ERODIBLE, FINE GRAINED MATERIAL SHALL BE STORED OUTSIDE OF THE LIMITS OF THE SITE PROTECTED BY SEDIMENT AND EROSION CONTROL DEVICES AND MEASURES.
- SOIL AND OTHER MATERIALS SHALL ONLY BE TEMPORARILY STOCKPILED WITHIN THE CONSTRUCTION LIMITS PROTECTED BY SEDIMENT AND EROSION CONTROL DEVICES AND MEASURES. STOCKPILES SHALL BE STABILIZED AS REQUIRED AS INDICATED IN THE SLOPE & SURFACE STABILIZATION NOTES ON THIS PLAN.
- THE TREE PROTECTION FENCE SHALL BE MAINTAINED ON THE SITE UNTIL ALL SITE WORK IS COMPLETED AND THE FINAL SITE INSPECTION IS SCHEDULED PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY (CO). THE FENCING SHALL BE REMOVED IMMEDIATELY PRIOR TO THE FINAL SITE INSPECTION FOR THE SITE.
- TREE PROTECTION FENCING SHALL NOT BE MOVED AND THERE SHALL BE NO ENCROACHMENT INTO SUCH PROTECTED AREA(S) WITHOUT WRITTEN AUTHORIZATION OF THE COUNTY ZONING COMPLIANCE STAFF. ANY ACTIVITY (LANDSCAPING, FENCING, OR UTILITY INSTALLATION) SHOWN ON THE APPROVED PLANS IN A TREE PROTECTION AREA SHALL ALSO NOT OCCUR WITHOUT WRITTEN AUTHORIZATION FROM THE COUNTY ZONING COMPLIANCE STAFF. ANY UNAUTHORIZED ENCROACHMENT OR DISTURBANCE WITHIN THE BOUNDARIES OF A TREE PROTECTION AREA SHALL AUTOMATICALLY RESULT IN FINES AND THE REPLACEMENT OF ANY DAMAGED VEGETATION IN ACCORDANCE WITH THE LAND DEVELOPMENT ORDINANCE.
- ROADSIDE DITCHES AND CHANNELS SHALL BE STABILIZED DAILY UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
- INSTALL TEMPORARY MATTING TO TOP OF ALL SIDE SLOPES ON CHANNELS, DIVERSION DITCHES AND TEMPORARY SEDIMENT BASINS.
- CONTRACTOR SHALL COORDINATE SCHEDULE FOR INSTALLATION AND REMOVAL OF EROSION CONTROL DEVICES IN THE GEOTHERMAL WELL GRID.
- RELOCATE TEMPORARY STOCKPILE DURING THE TRANSITION FROM INITIAL TO FINAL EROSION CONTROL PHASES AS NEEDED TO COORDINATE WITH GEOTHERMAL WELL INSTALLATION.

**CITY OF WILMINGTON**  
Public Services Engineering Division  
APPROVED DRAINAGE PLAN  
Date: \_\_\_\_\_ Permit #: \_\_\_\_\_  
Signed: \_\_\_\_\_

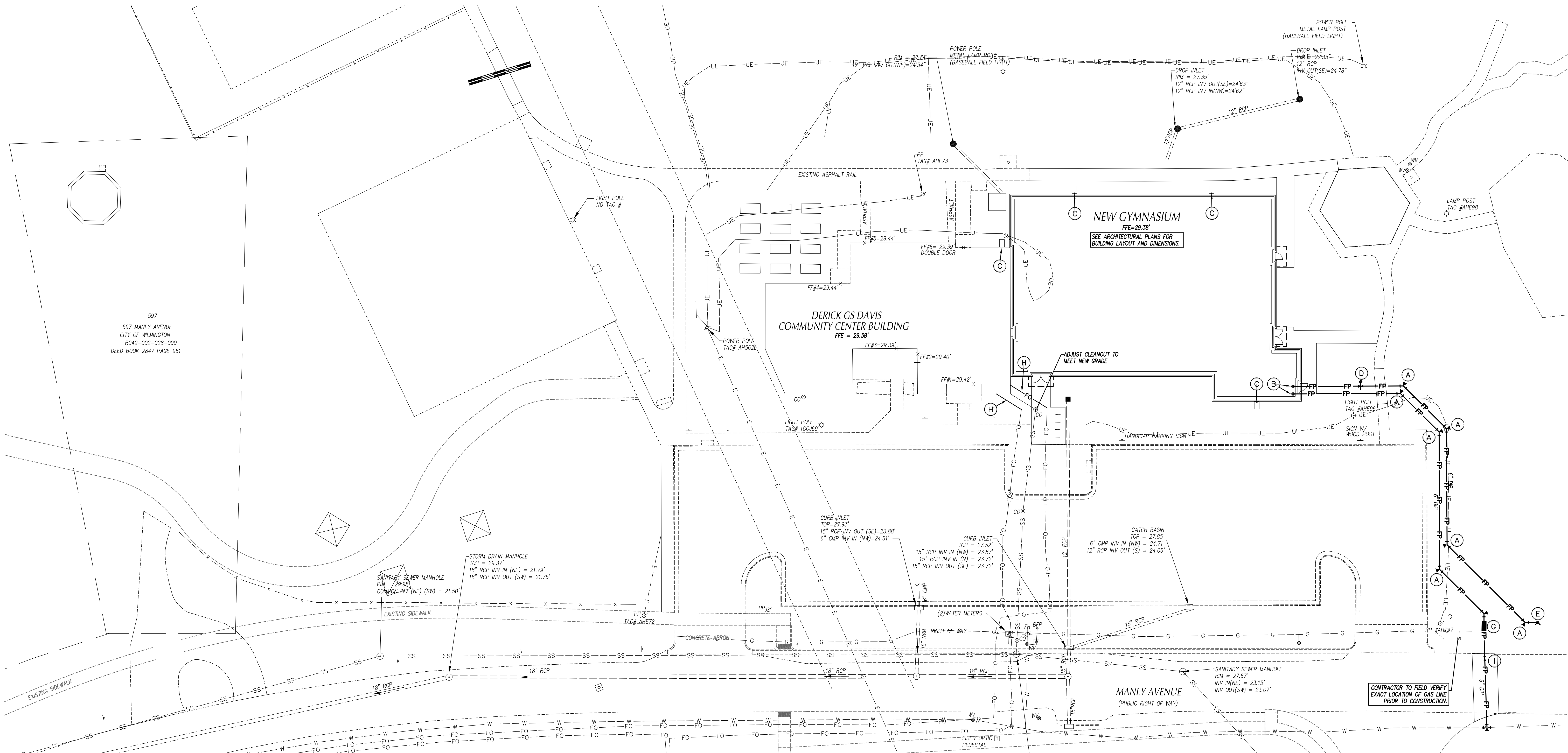
**APPROVED CONSTRUCTION PLAN**

NAME	DATE
PLANNING _____	_____
TRAFFIC _____	_____
FIRE _____	_____



Revisions:  
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\_\_\_\_\_  
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**EROSION CONTROL PLAN**  
C401  
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597  
597 MANLY AVENUE  
CITY OF WILMINGTON  
R049-002-028-000  
DEED BOOK 2847 PAGE 961

**UTILITY LEGEND**

	EXISTING	PROPOSED
CHILLED WATER	---CW---	---CW---
ELECTRICAL (OVERHEAD)	---E---	---E---
ELECTRICAL (UNDERGROUND)	---UE---	---UE---
FOUNDATION DRAIN	---FD---	---FD---
GAS	---G---	---G---
SANITARY SEWER	---SS---	---SS---
TELEPHONE (OVERHEAD)	---T---	---T---
TELEPHONE (UNDERGROUND)	---UT---	---UT---
WATER	---W---	---W---
ROOF DRAIN	---RD---	---RD---
FIRE PROTECTION	---FP---	---FP---
STORM DRAIN	---SD---	---SD---
TREE PROTECTION FENCING, SEE EROSION CONTROL PLANS	---X---	---X---
LIGHT POLE	☆ LP	☆
UTILITY POLE	⊙ PP	⊙
MANHOLE	⊙ MH	●
CLEAN OUT	⊙ CO	⊙
DROP INLET, CATCH BASIN	□ DI, CB	■
FIRE HYDRANT	⊕ FH	⊕
WATER VALVE	⊙ WV	⊙
POST INDICATOR VALVE (PIV)	⊕ PIV	⊕
FIRE DEPARTMENT CONNECTION (FDC)	⊕ FDC	⊕
THRUST BLOCKING	⊕ TB	⊕
SANITARY SEWER STRUCTURE IDENTIFICATION	1	1

**GENERAL NOTES-UTILITY**

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL CITY OF WILMINGTON AND NCDOT STANDARDS, SPECIFICATIONS AND DETAILS.
- INSTALL WATERMANS WITH A COVER OF NO LESS THAN 3'-FT.
- INSTALL ALL UTILITIES TO PROVIDE REQUIRED CLEARANCES AS INDICATED IN THE SPECIFICATIONS.
- WATERLINES AND SEWER MAINS SHALL BE INSTALLED WITH A MINIMUM HORIZONTAL CLEARANCE OF 10'-FT.
- COORDINATE AND SCHEDULE INSTALLATION OF ALL UTILITIES WITH OTHER PRIME CONTRACTORS, UTILITY COMPANIES AND OTHER TRADES INCLUDING BUT NOT LIMITED TO: NATURAL GAS, ELECTRICITY, TELEPHONE AND CABLE.
- VERIFY EXISTING CONDITIONS AND CONNECTIONS TO EXISTING UTILITIES PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT IF ANY DISCREPANCIES ARE DISCOVERED.
- CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGES DURING CONSTRUCTION AND SHALL MAKE REPAIRS AT NO EXPENSE TO THE OWNER.
- ALL CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE NCSBC AND OSHA REQUIREMENTS.
- THE CONTRACTOR SHALL PROVIDE AN AS-BUILT SURVEY OF ALL UTILITY AND STORM DRAINAGE IMPROVEMENTS FOLLOWING CONSTRUCTION.
- CONTRACTOR SHALL PHASE DEMOLITION AND NEW CONSTRUCTION TO ENSURE UNINTERRUPTED ACCESS AND UTILITY SERVICE TO ADJACENT FACILITIES. COORDINATE SHORT-TERM, OFF-HOUR, TEMPORARY SHUT-DOWNS WITH THE OWNER.
- SEE GENERAL NOTES ON EXISTING CONDITIONS AND DEMOLITION PLAN FOR REQUIREMENTS FOR REMOVAL AND PATCHING OF PAVEMENT FOR UTILITY INSTALLATION.
- ALL ROOF DRAINS SHALL BE 6" PVC (SCH 40) @ 1.04% MIN. SLOPE UNLESS INDICATED OTHERWISE. USE DUCTILE IRON WHEN COVER IS LESS THAN 24"-IN.
- ALL CONDENSATE LINES SHALL BE CONNECTED TO STORM DRAINAGE SYSTEM.
- NO WORK SHALL BE PERFORMED ON RIGHT-OF-WAYS OR ADJACENT PROPERTIES UNTIL THE OWNER NOTIFIES CONTRACTOR IN WRITING OF PROCUREMENT OF APPROPRIATE PERMITS, EASEMENTS, AGREEMENTS, OR RIGHTS-OF-WAY.
- CONTRACTOR SHALL ACQUIRE UTILITY CUT PERMIT FOR EACH OPEN CUT OF A CITY OF WILMINGTON STREET. CONTACT (910)-341-5888 FOR MORE DETAILS.

**KEY NOTES**

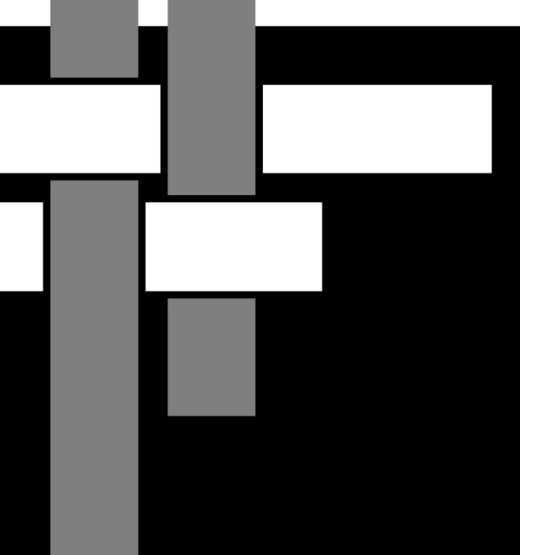
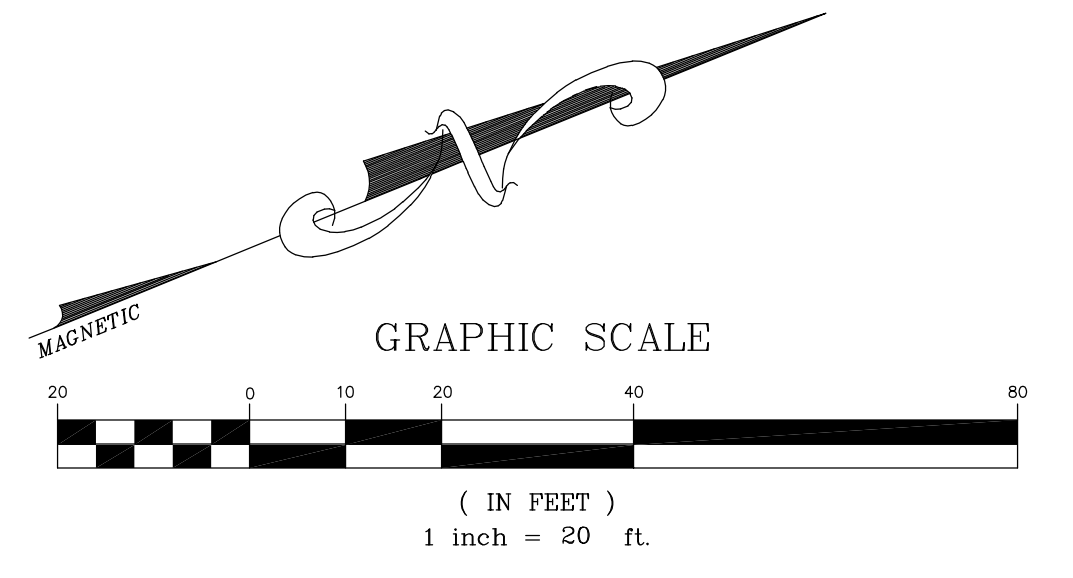
- THRUST BLOCKING, TYP. SEE DETAIL SHEET C707.
- EXTEND UTILITY TO WITHIN 5'-0" OF BUILDING WALL OR AS INDICATED ON PLUMBING PLANS. REFER TO PLUMBING PLANS FOR LOCATION AND INVERTS.
- DOWNSPOUT ONTO SPLASH PAD, SEE ARCHITECTURAL PLANS FOR MORE INFORMATION.
- POST INDICATOR VALVE W/ TAMPER SWITCH, SEE DETAIL SHEET C702 AND SPECS.
- FIRE DEPARTMENT CONNECTION, SEE DETAIL SHEET C707.
- 8" x 6" TAPPING SLEEVE, VALVE AND BLOCKING ASSEMBLY SEE DETAIL SHEET C707 AND SPECIFICATIONS.
- 8-IN FEBCO MODEL LF886V REDUCED PRESSURE DETECTOR ASSEMBLY (RPDA) WITHIN HEATED ENCLOSURE, SEE DETAIL SHEET C707. SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- APPROXIMATE ROUTE OF UNDERGROUND FIBER OPTIC BY LOCAL UTILITY COMPANY. CONTRACTOR SHALL COORDINATE LOCATION, DEPTH AND SCHEDULE WITH LOCAL UTILITY COMPANY.
- 6" GATE VALVE, SEE DETAIL SHEET C707.

**CITY OF WILMINGTON**  
Public Services Engineering Division  
APPROVED DRAINAGE PLAN

Date: \_\_\_\_\_ Permit # \_\_\_\_\_  
Signed: \_\_\_\_\_

**APPROVED CONSTRUCTION PLAN**

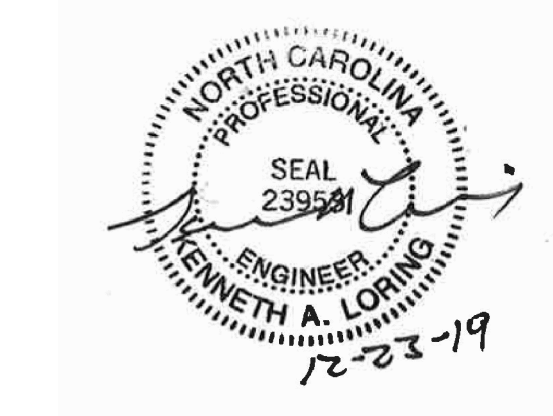
NAME	DATE
PLANNING _____	_____
TRAFFIC _____	_____
FIRE _____	_____



**SAWYER  
SHERWOOD  
& ASSOCIATE  
ARCHITECTURE**

124 Market St, Wilmington, NC 28401  
910 762-0892 s2a3.com

**CLH  
DESIGN, P.A.**  
400 Regency Forest Dr.  
Suite 120  
Cary, NC 27518  
Phone: 919.319.6716  
Fax: 919.319.7516  
LA: C-108 PE: C-1595



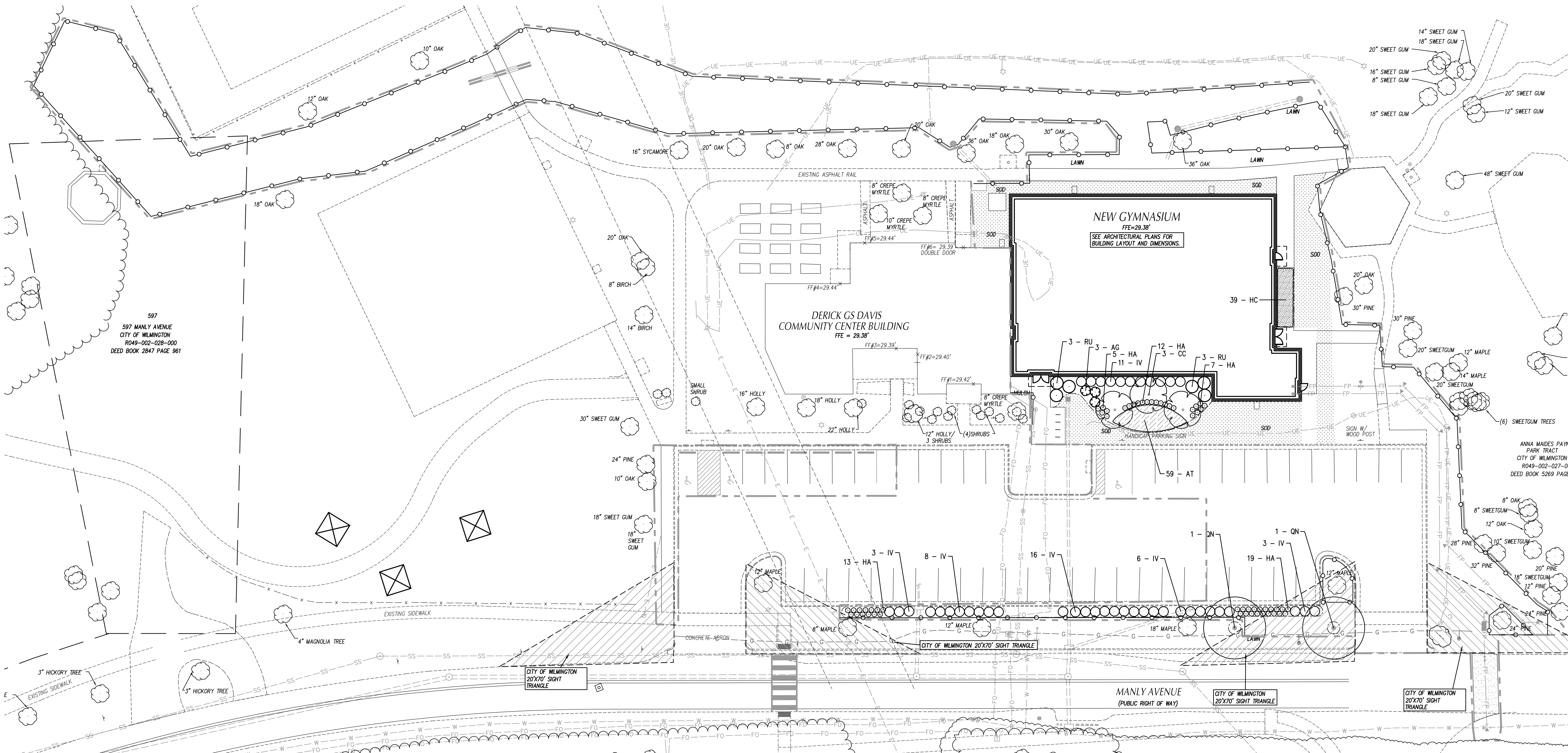
**MAIDES PARK  
GYMNASIUM  
ADDITION**  
1101 MANLY AVENUE  
Wilmington, NC, 28405

CITY OF WILMINGTON MINOR  
SITE PLAN SUBMITTAL  
12/23/2019

Revisions:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**UTILITY PLAN**

C501



**GENERAL NOTES-LANDSCAPING**

- LOCATE ALL EXISTING UTILITIES PRIOR TO INSTALLATION OF PLANT MATERIAL. NOTIFY OWNER OF ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THOSE SHOWN ON THE PLAN.
- VERIFICATION OF TOTAL QUANTITIES AS SHOWN ON THE PLANT LIST SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND THE TOTAL QUANTITIES SHALL BE AS SHOWN ON THE PLAN.
- ALL PLANT MATERIAL SHALL CONFORM WITH THE STANDARDS SET FORTH BY THE AMERICAN ASSOCIATION OF NURSERYMEN AND THE WRITTEN SPECIFICATIONS.
- ALL PLANT MATERIAL (SHRUBS/TREES) SHALL BE A MINIMUM DISTANCE OF 4 1/2 FEET FROM BACK OF CURB, EXCEPT ALONG ANY NEW WALLS ADJACENT TO PARKING WHERE CURB STOPS WILL BE USED. ALL PLANTING BEDS TO BE MULCHED WITH A MINIMUM OF 3\"/>

**LANDSCAPE CALCULATIONS**

FOUNDATION PLANTINGS: WILMINGTON LDO SEC. 18-490  
 AREA OF BUILDING FACE ADJACENT TO PARKING X 12%  
 FOUNDATION PLANTING: BUILDING FACE = 124.42 LF BUILDING HEIGHT = 30.75 FT.  
 BUILDING FACE SF = 124.42 X 30.75 = 3,825.95 SF  
 PLANTING AREA REQUIRED = 3,825.9 X .12 = 460 SF  
 PLANTING AREA PROVIDED = 645 SF

LANDSCAPING FOR EXPANSION REQUIREMENTS: WILMINGTON LDO SEC. 18-510  
 GREATER THAN 50% INCREASE IN GROSS FLOOR AREA  
 TREES REQUIRED: 15 TREES (2\"/>

**PLANT SCHEDULE**

GROUND COVERS	QTY	BOTANICAL / COMMON NAME	CONT.	SPACING
AT	59	Asclepias tuberosa Butterfly Milkweed	CONT.	24\"/>
HC	39	Hesperaloe x 'Citronelle' Yellow Coral Bells	CONT. #1	24\"/>

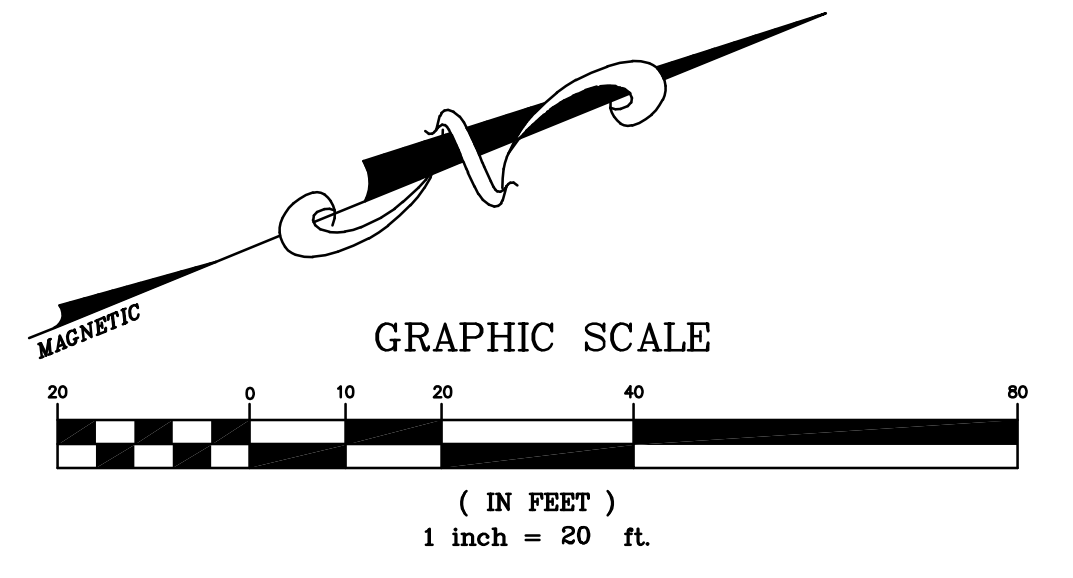
**PLANT SCHEDULE**

TREES	QTY	BOTANICAL / COMMON NAME	CONT.	CAL	SIZE
QN	2	Quercus nuttallii Nuttall Oak	B&B		
ORNAMENTAL TREES	QTY	BOTANICAL / COMMON NAME	CONT.	CAL	SIZE
CC	3	Cercis canadensis 'Hearts of Gold' Forest Pansy Redbud	B&B	2.0"	8-10' HT
SHRUBS	QTY	BOTANICAL / COMMON NAME	CONT.	SIZE	
AG	3	Abelia x grandiflora 'Rose Creek' Rose Creek Abelia	CONT. #3	18-24"	
HA	56	Hemerocallis x 'Always Afternoon' Lavender Daylily	CONT. #3	12-15"	
IV	42	Ilex vomitoria 'Nana' Dwarf Yaupon	CONT. #1	24-36" HT.	
RU	6	Rhaphiophis umbellata Yedda Hawthorn	CONT. #1	36-48" HT.	

**CITY OF WILMINGTON**  
 NORTH CAROLINA  
 Public Services Engineering Division  
 APPROVED DRAINAGE PLAN  
 Date: \_\_\_\_\_ Permit # \_\_\_\_\_  
 Signed: \_\_\_\_\_

**APPROVED CONSTRUCTION PLAN**

NAME	DATE
PLANNING _____	_____
TRAFFIC _____	_____
FIRE _____	_____



**SAWYER SHERWOOD & ASSOCIATE ARCHITECTURE**  
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 910 762-0892 s2a3.com

**CLH DESIGN, P.A.**  
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 Cary, NC 27518  
 Phone: 919.319.6716  
 Fax: 919.319.7516  
 LA: C-108; PE: C-1995



**MAIDES PARK GYMNASIUM ADDITION**  
 1101 MANLY AVENUE  
 Wilmington, NC, 28405

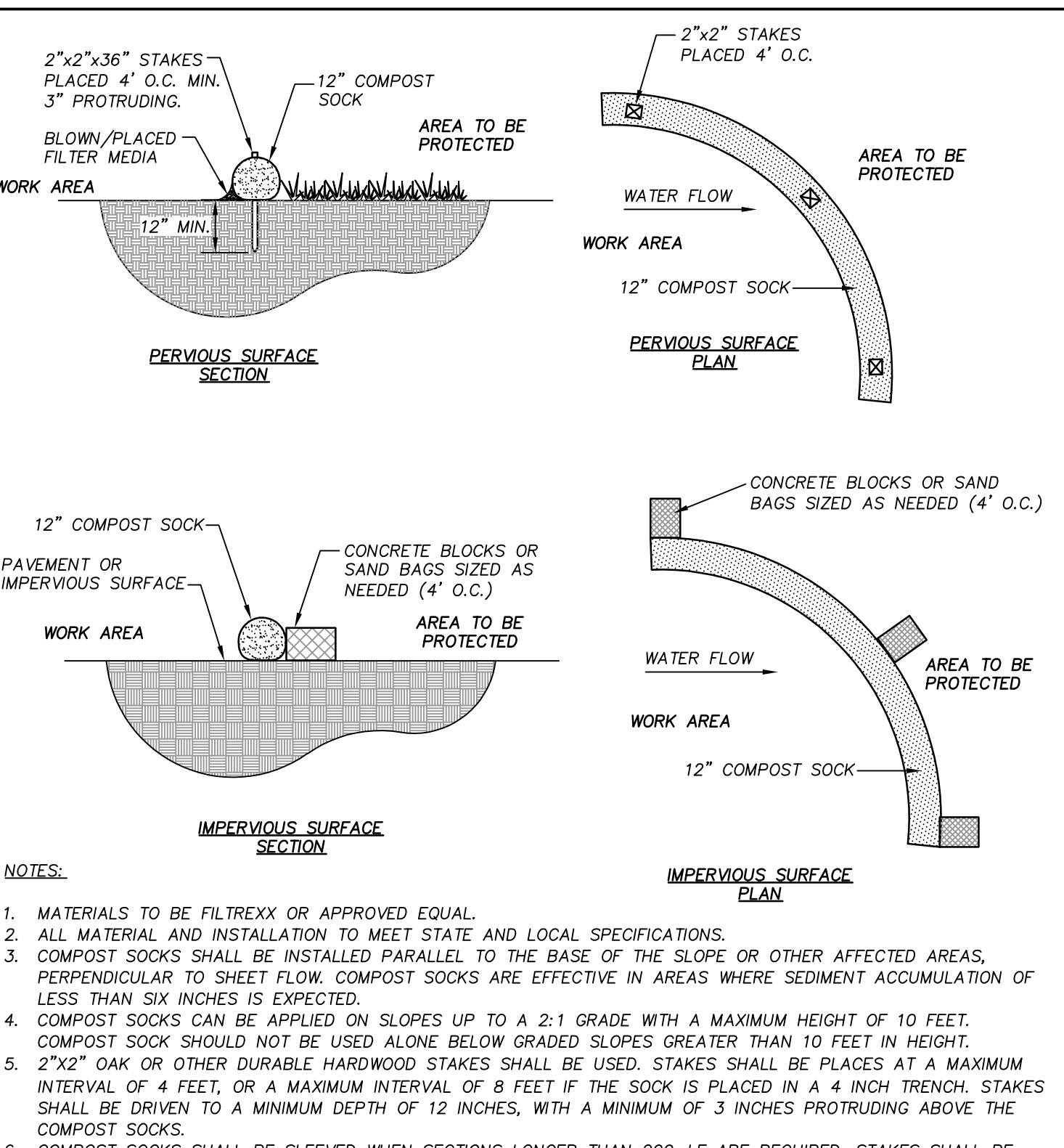
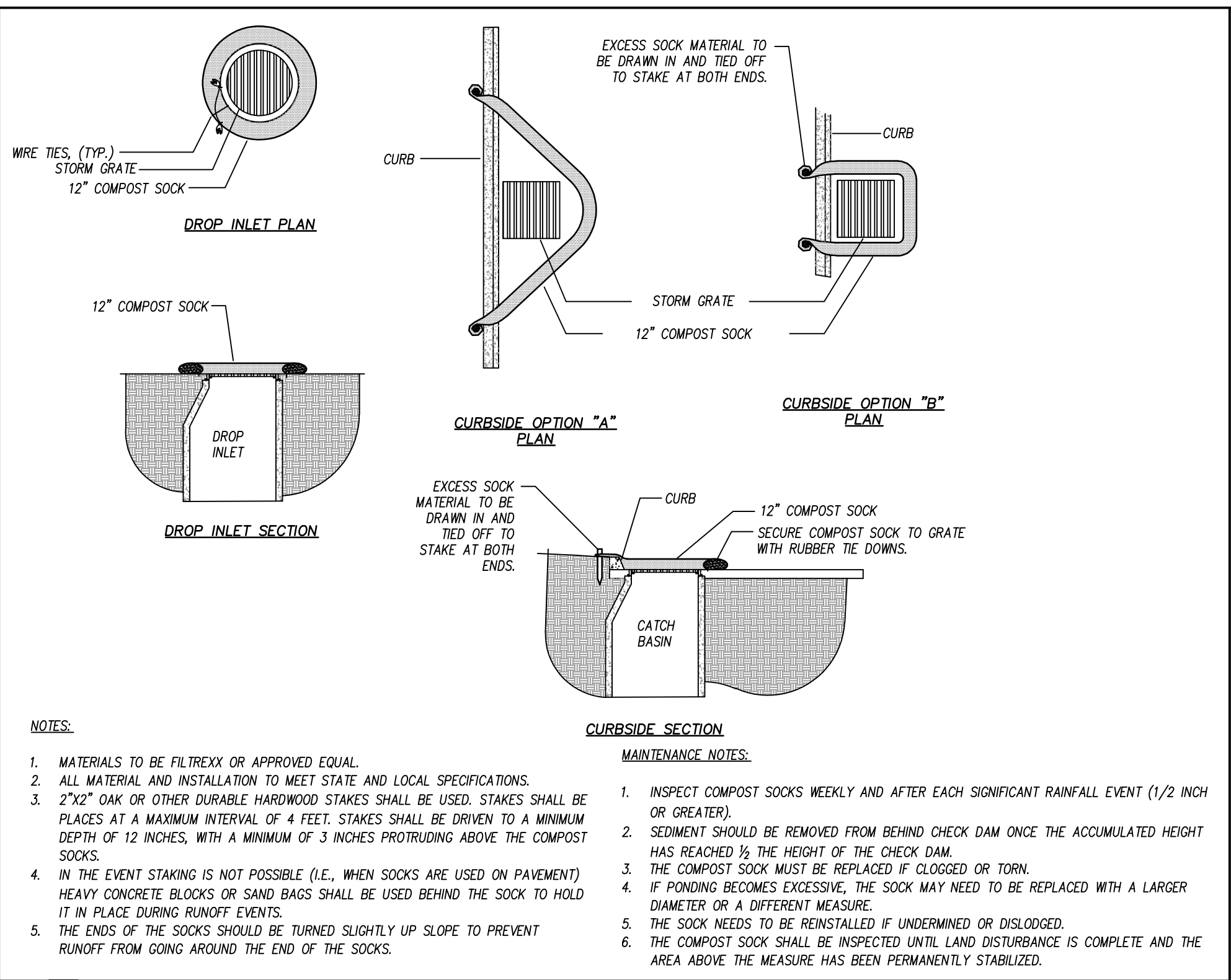
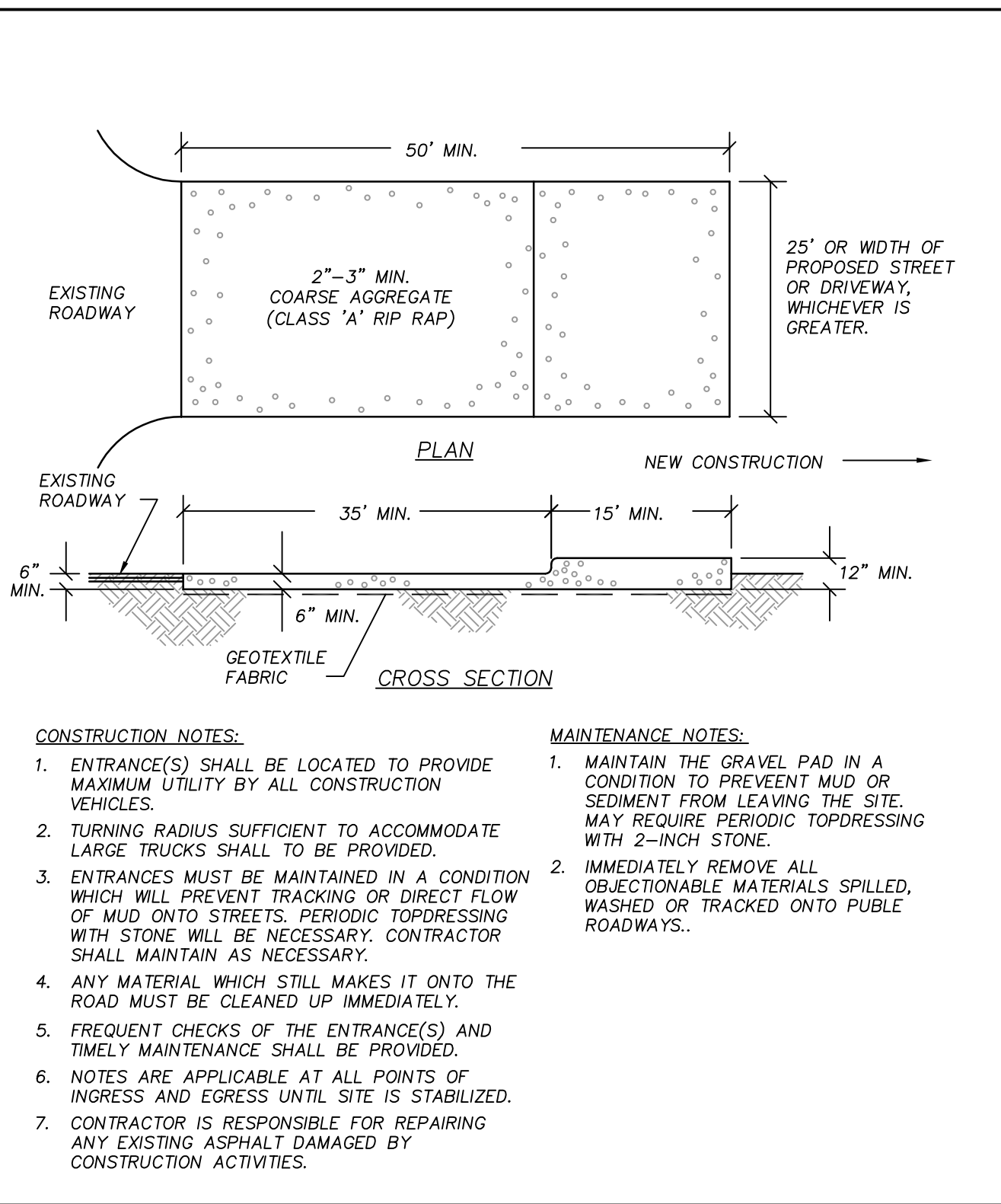
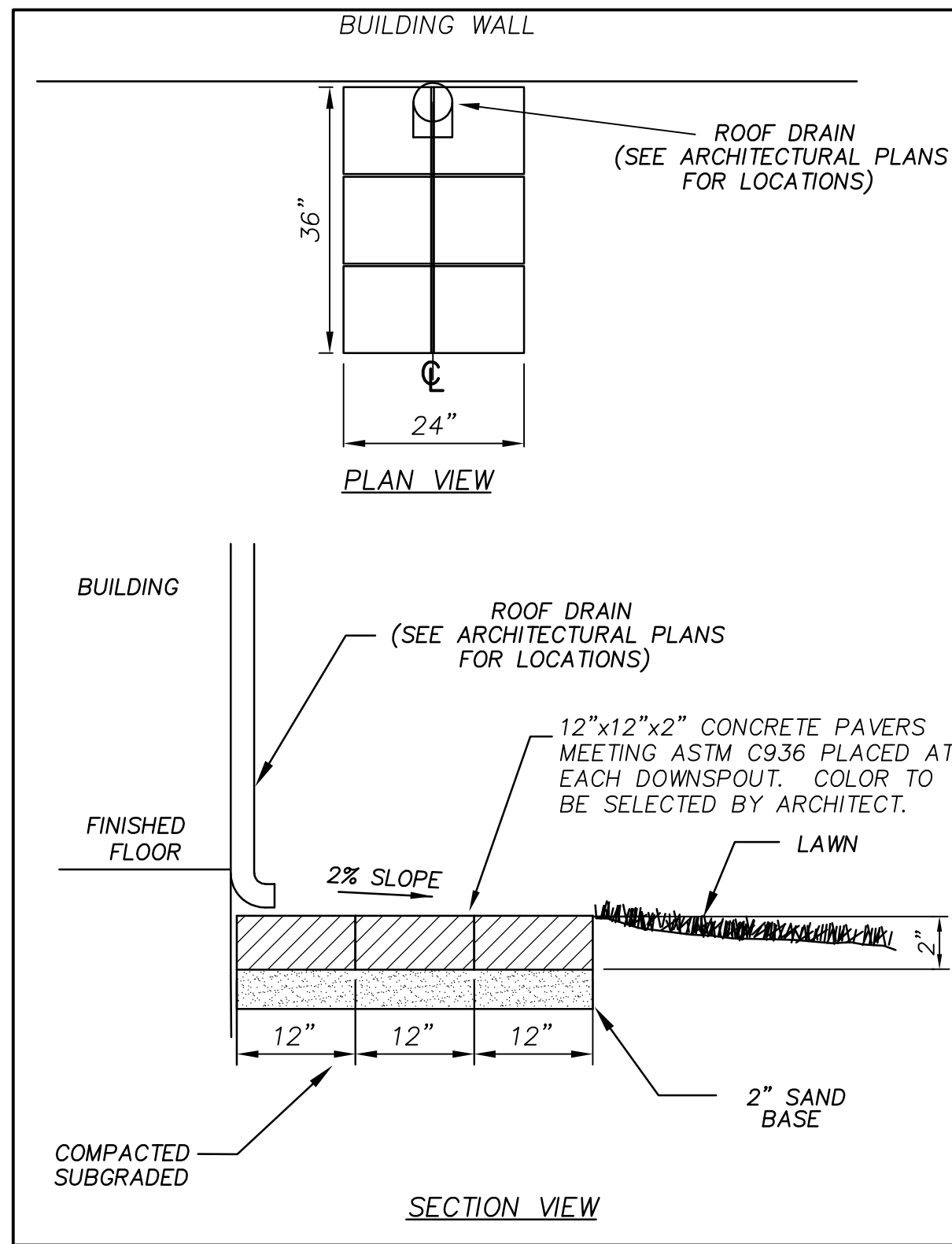
CITY OF WILMINGTON MINOR  
 SITE PLAN SUBMITTAL  
 12/23/2019

Revisions:  
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 \_\_\_\_\_

**LANDSCAPE PLAN**

C601



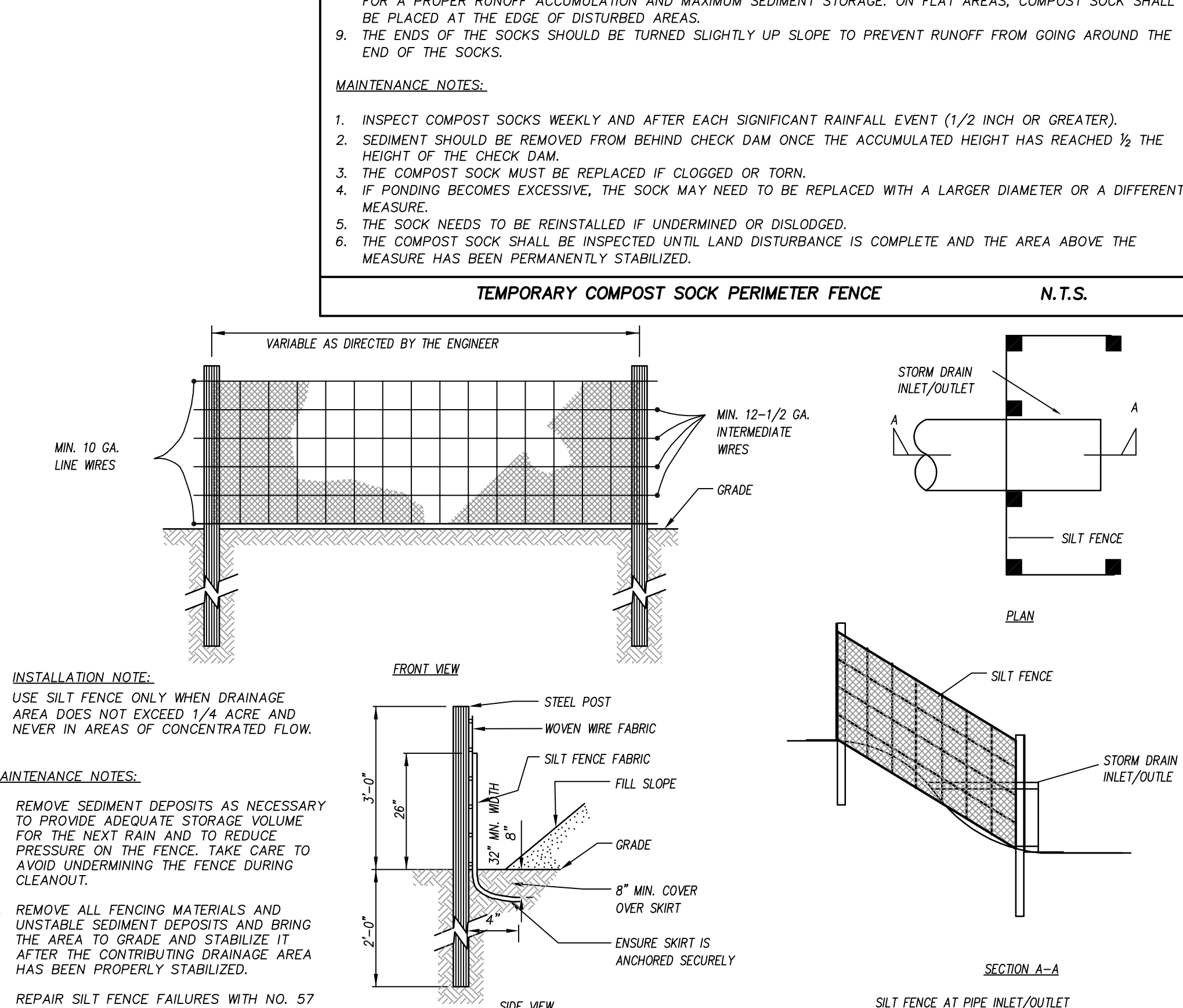
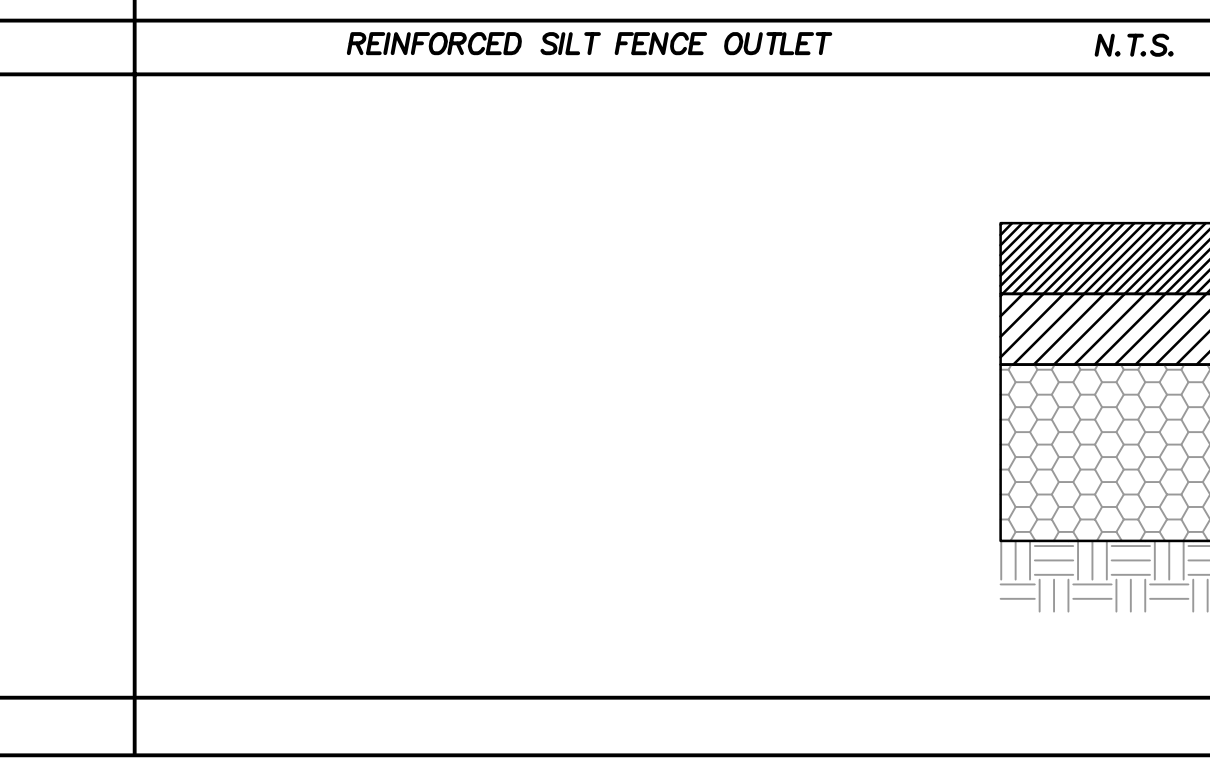
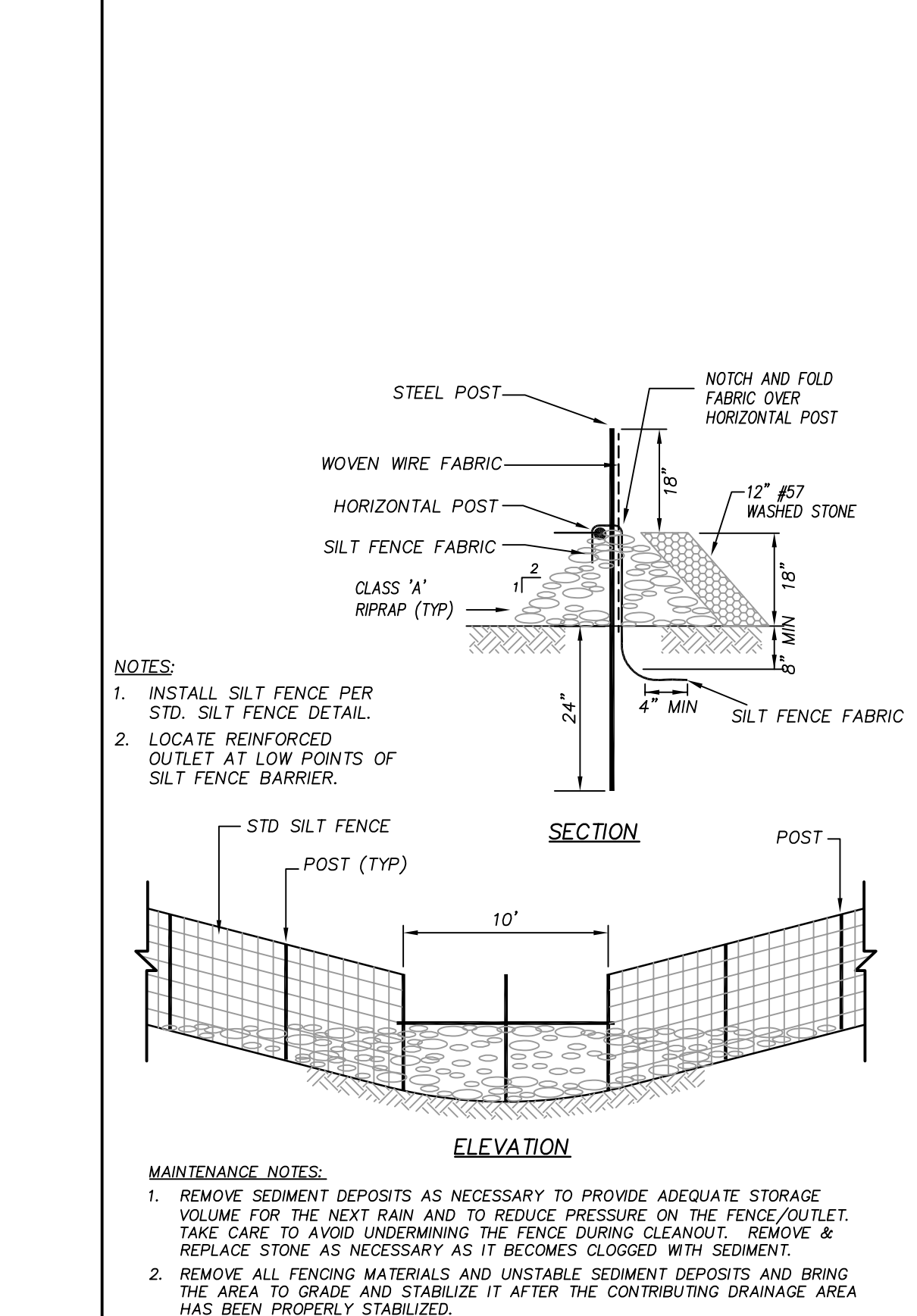
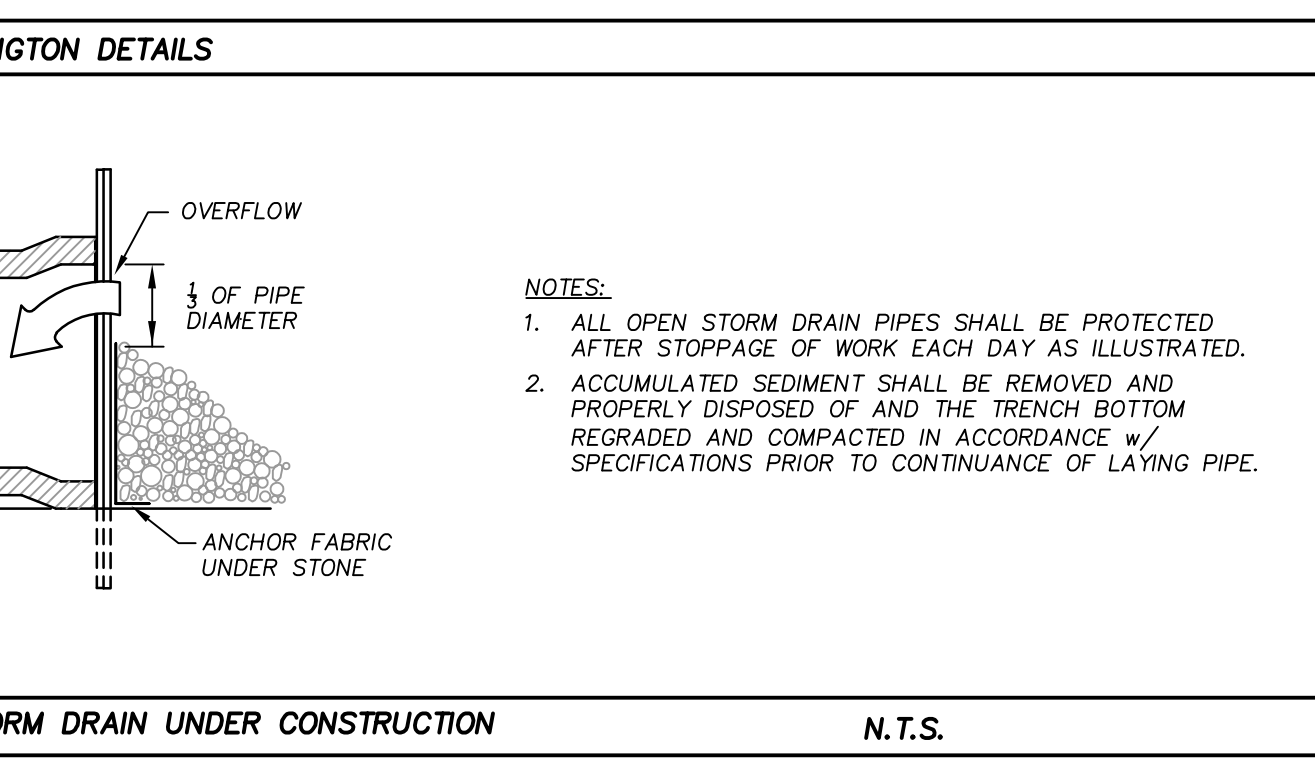
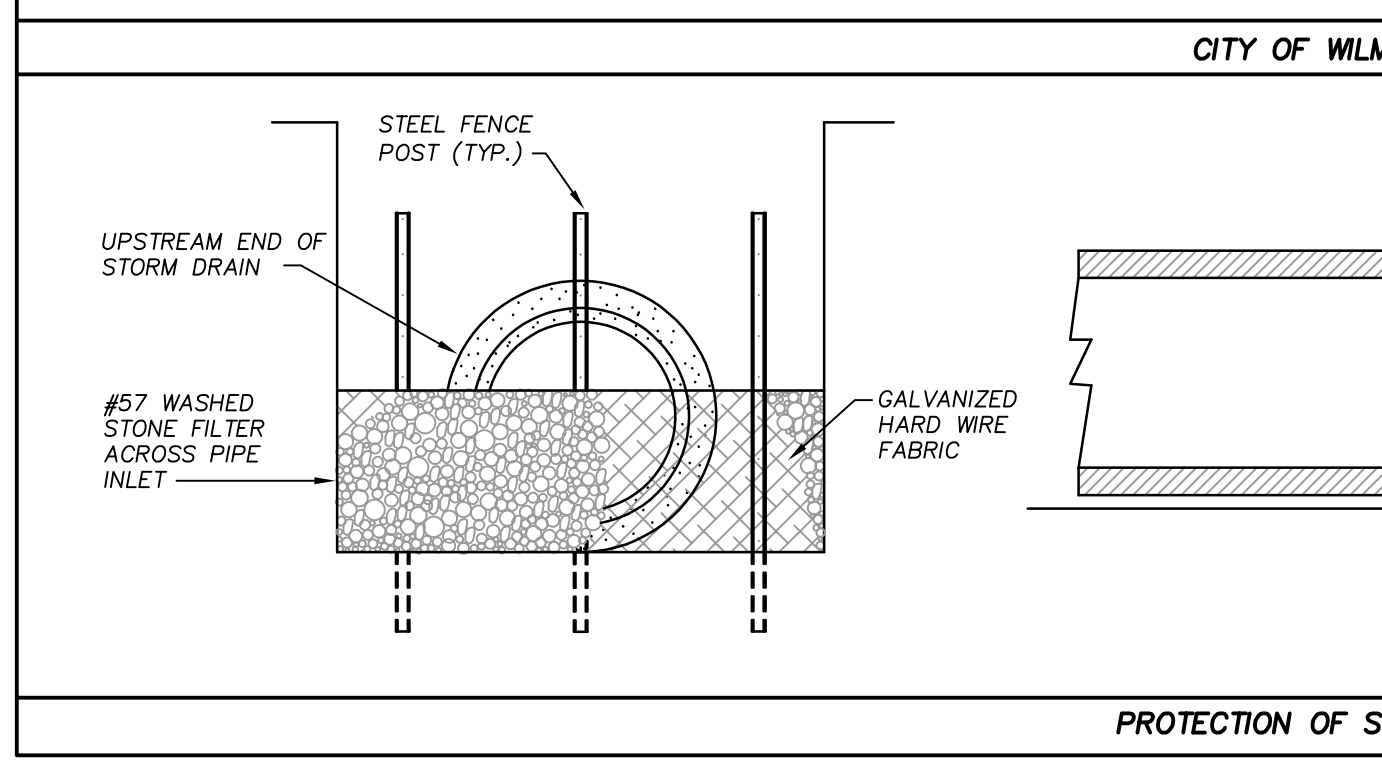
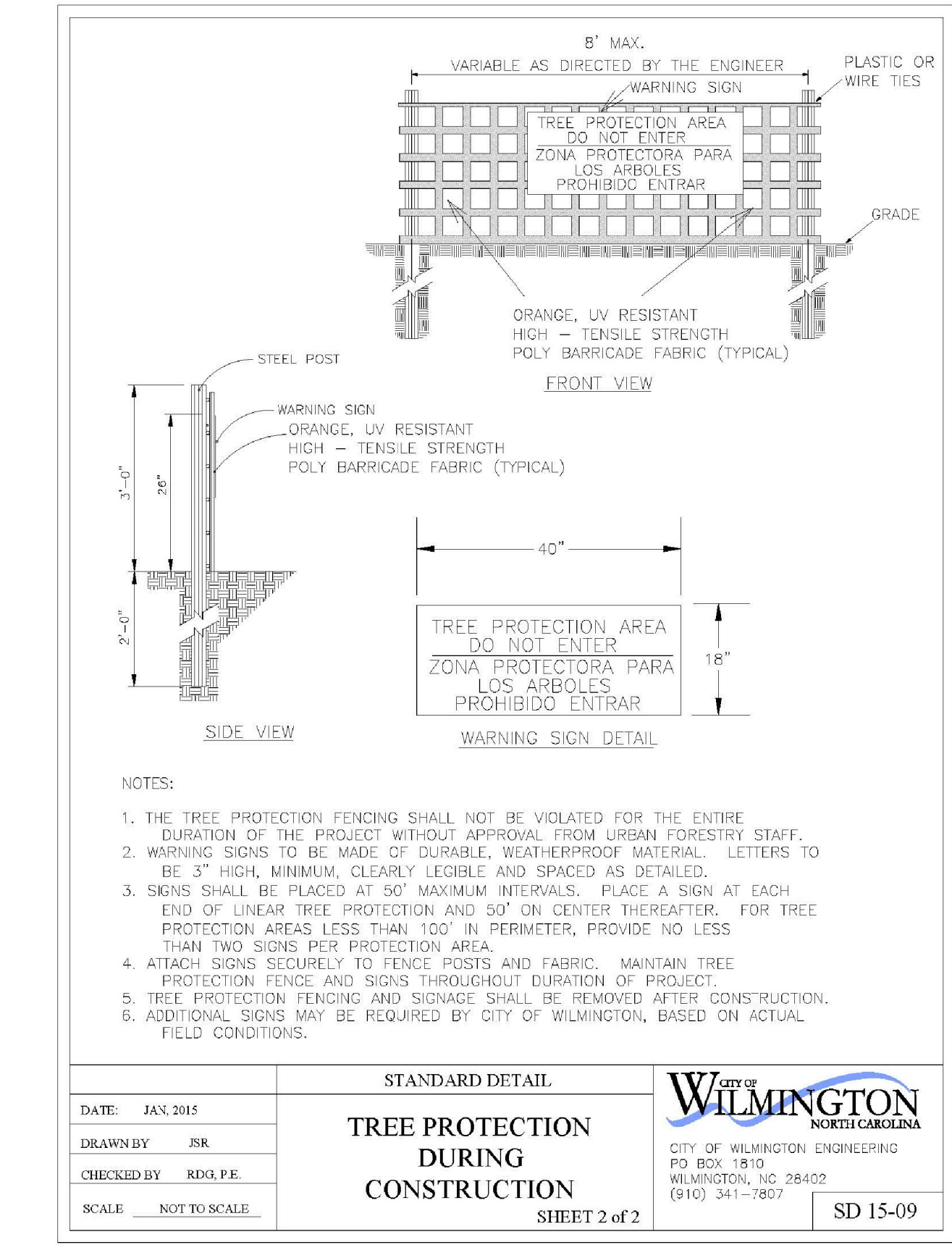
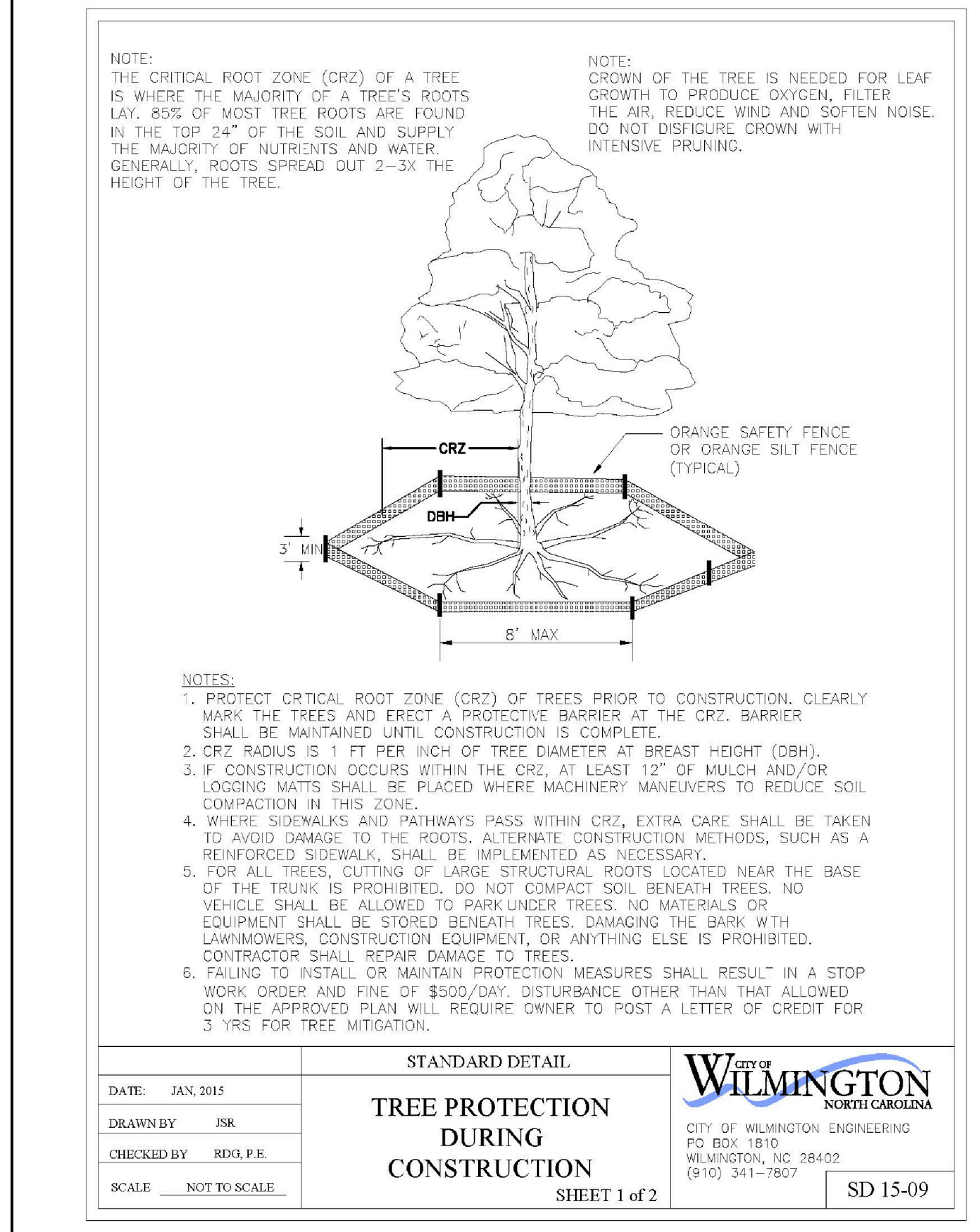


SPLASH BLOCK N.T.S.

CONSTRUCTION ENTRANCE N.T.S.

TEMPORARY COMPOST SOCK INLET PROTECTION N.T.S.

TEMPORARY COMPOST SOCK PERIMETER FENCE N.T.S.



CITY OF WILMINGTON DETAILS

REINFORCED SILT FENCE OUTLET N.T.S.

STANDARD TEMPORARY SILT FENCE N.T.S.

ASPHALT PAVEMENT N.T.S.

**SAWYER SHERWOOD & ASSOCIATE ARCHITECTURE**

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LA: C-108; PE: C-1595

**WILMINGTON PROFESSIONAL SEAL**

239581

ENGINEER

KEVINETH A. LORING

12-23-19

**MAIDES PARK GYMNASIUM ADDITION**

1101 MANLY AVENUE  
Wilmington, NC, 28405

CITY OF WILMINGTON MINOR SITE PLAN SUBMITTAL  
12/23/2019

Revisions:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**WILMINGTON NORTH CAROLINA**

Public Services • Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN

Date: \_\_\_\_\_ Permit # \_\_\_\_\_

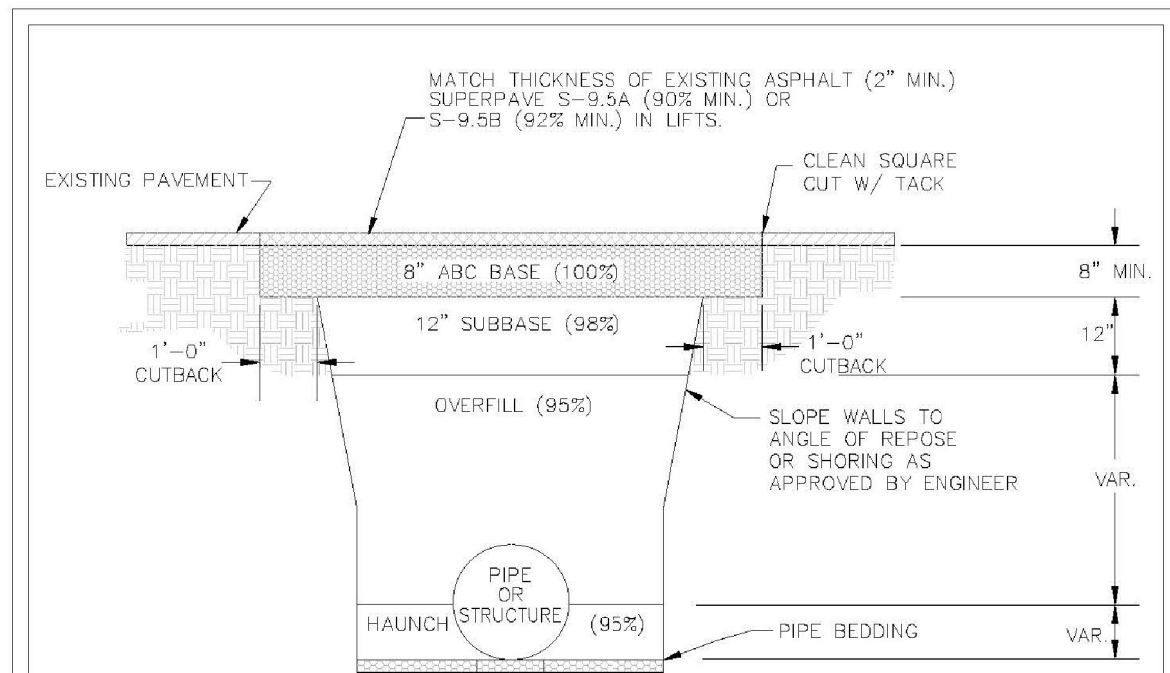
Signed: \_\_\_\_\_

**APPROVED CONSTRUCTION PLAN**

NAME	DATE
PLANNING	_____
TRAFFIC	_____
FIRE	_____

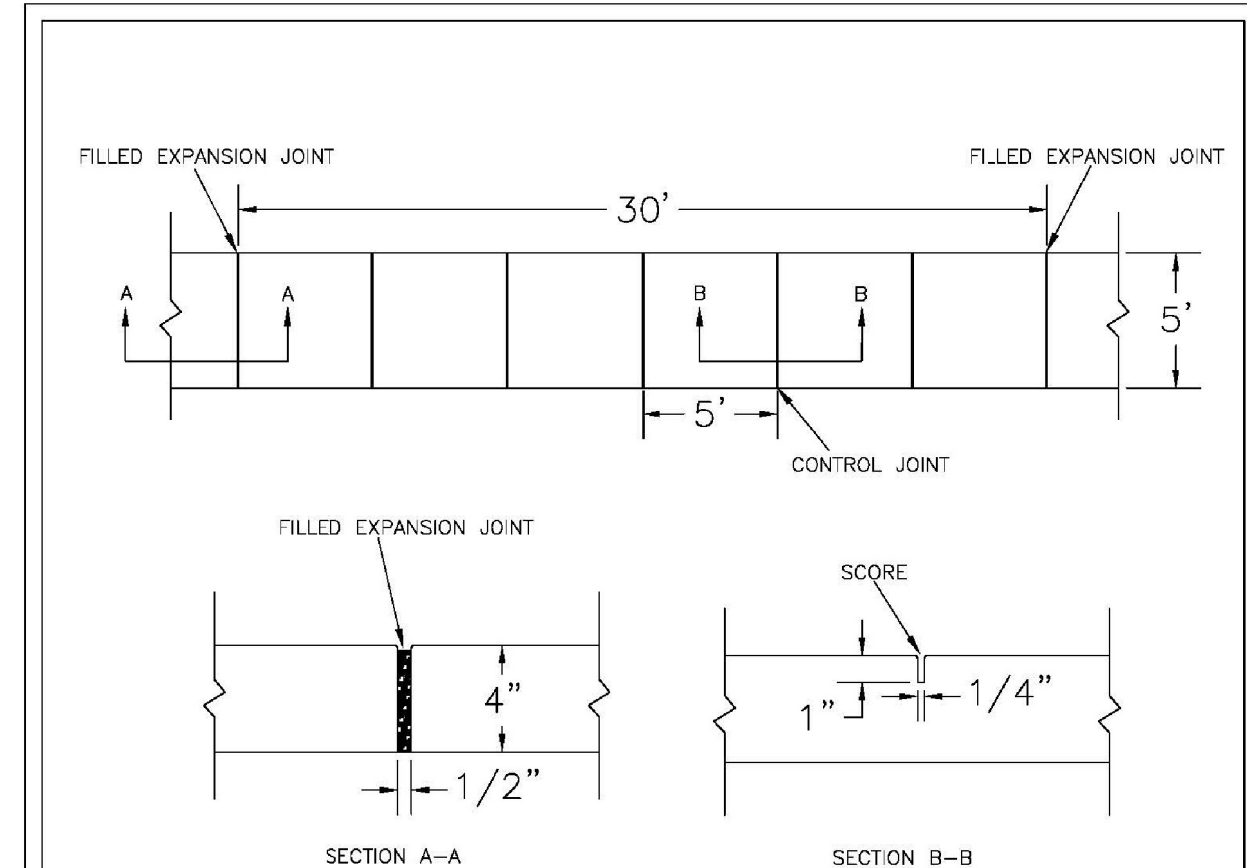
**C701**

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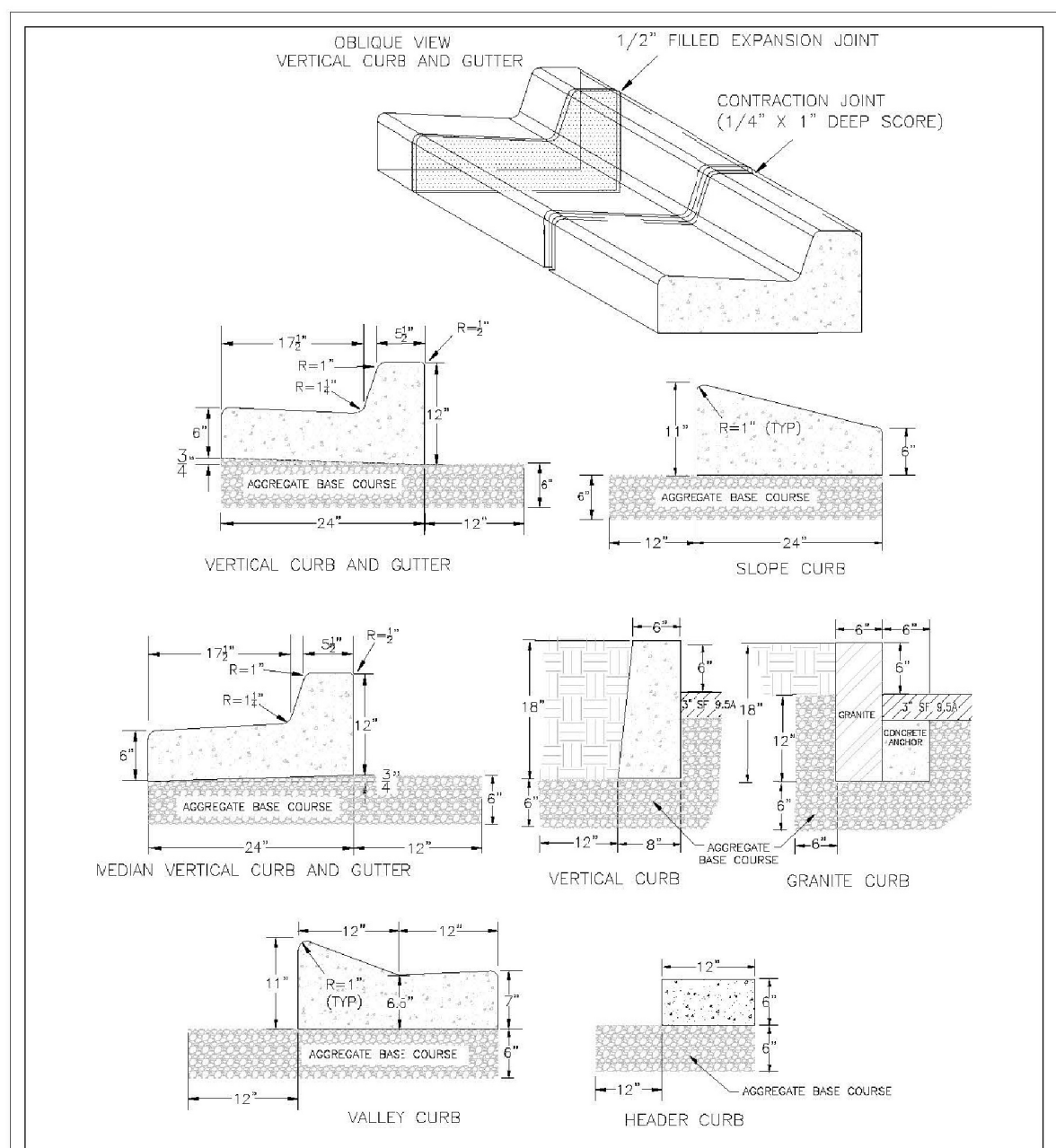
- NOTES:
1. CONTRACTOR SHALL ENSURE BOTTOM OF TRENCH IS SUITABLE FOR INSTALLATION AND DOES NOT REQUIRE FOUNDATION CONDITIONING STONE.
  2. FILL SHALL BE SUITABLE MATERIAL THAT IS FREE FROM HEAVY CLAY, GUMBS, DEBRIS, ORGANICS AND LITTLE TO NO EXCESSIVE MOISTURE.
  3. SELECT BACKFILL MAY BE SUBSTITUTED OR REQUIRED BY CITY TO ACHIEVE COMPACTION. (I.E. #57, ABC, CRUSHED LESTONE, CLEAN SAND, FLOWABLE FILL, ETC.)
  4. SOIL SHALL BE INSTALLED IN 6\"/>

DATE:	MAY, 2013	<b>STANDARD DETAIL</b> <b>PAVEMENT REPAIRS-UTILITY CUTS</b> 
DRAWN BY:	RRK	
CHECKED BY:	D.E.C.-P.E.	
SCALE:	NOT TO SCALE	
		CITY OF WILMINGTON ENGINEERING DIVISION 212 OPERATIONS CENTER DRIVE WILMINGTON, NC 28412 (910) 341-7907



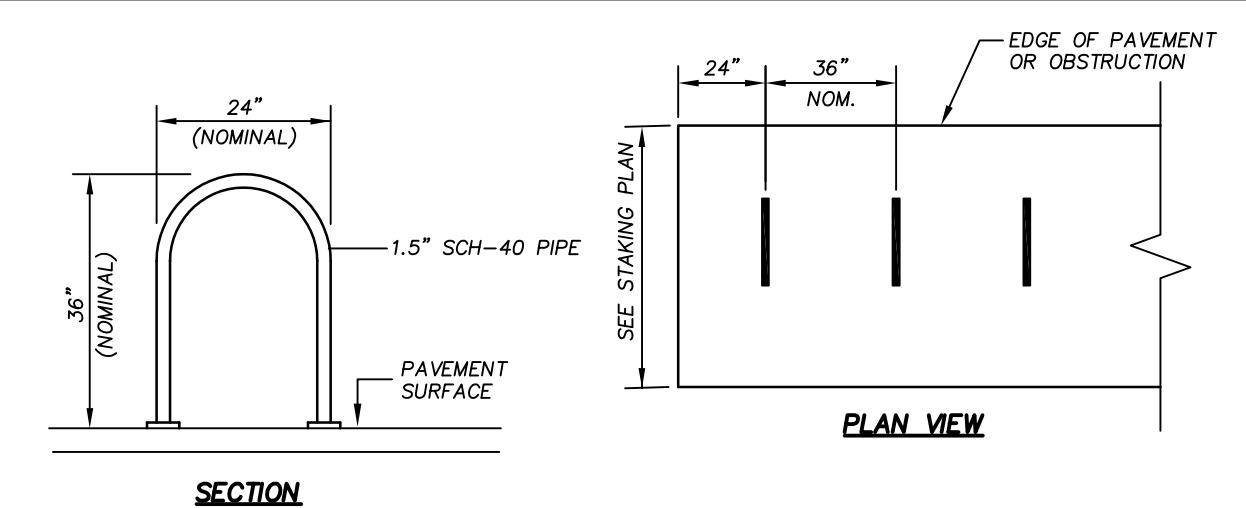
- NOTES:
1. JOINT MATERIAL TO COMPLY WITH CURRENT NCDOT STANDARDS.
  2. SANITARY SEWER CLEAN-OUTS, WATER METERS, MANHOLES, AND VALVE LIDS TO BE LOCATED OUTSIDE SIDEWALK WHERE FEASIBLE.
  3. MINIMUM SIDEWALK WIDTH TO BE 6' MINIMUM IF PLACED AT BACK OF CURB.
  4. CONCRETE FOR ALL SIDEWALKS (EXCEPT ANY PORTION CONTAIN WITHIN A DRIVEWAY APRON) SHALL BE CLASS "A" - 3,000 PSI.
  5. MINIMUM REPLACEMENT FOR REPAIRS IS A 5' X 5' PANEL.
  6. 4" STONE BASE MAY BE REQUIRED FOR POOR SOIL CONDITIONS.
  7. MINIMUM DEPTH FOR TUNNELING BELOW SIDEWALK IS 12"
  8. MAX ADJACENT GROUND SLOPE WITHOUT RAILING IS 2:1
  9. MIN GRADE FOR PROPER DRAINAGE IS 1% IN AT LEAST 1 DIRECTION. MAX CROSS SLOPE IS 2%. MAX LONGITUDINAL SLOPE IS 0.3%. 10% F LIMITED BY EXISTING CONDITIONS, OR NO GREATER THAN THE SLOPE OF THE EXISTING ADJACENT ROAD.

DATE:	OCTOBER, 2010	<b>STANDARD DETAIL</b> <b>SIDEWALK</b> 
DRAWN BY:	PJWSR	
CHECKED BY:	DEC	
SCALE:	NOT TO SCALE	
		CITY OF WILMINGTON ENGINEERING DIVISION PO BOX 1810 WILMINGTON, NC 28402 (910) 341-7907

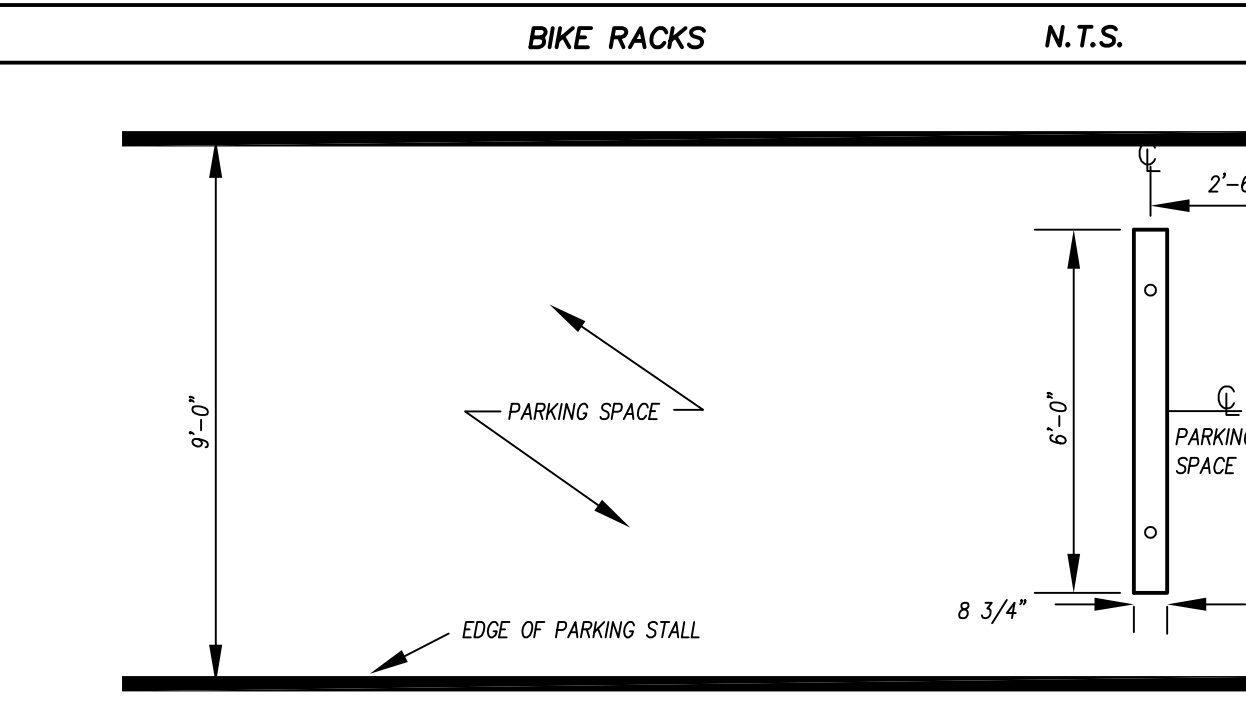


- NOTES:
1. EXPANSION JOINT MATERIAL TO COMPLY WITH CURRENT NCDOT STANDARDS
  2. 10" MAX EXPANSION JOINT SPACING, 10" MAX CONTRACTION JOINT SPACING
  3. MINIMUM INSTALLATION LENGTH IS 5 FT.
  4. CONCRETE TO BE 3000 PSI MIN.
  5. VERTICAL CURB AND GUTTER BASE CAN BE SLOPED 3/4" OR USE A FLAT BASE

DATE:	AUGUST, 2011	<b>STANDARD DETAIL</b> <b>CURBING</b> 
DRAWN BY:	PJWSR	
CHECKED BY:	DEC	
SCALE:	NOT TO SCALE	
		CITY OF WILMINGTON ENGINEERING DIVISION PO BOX 1810 WILMINGTON, NC 28402 (910) 341-7907

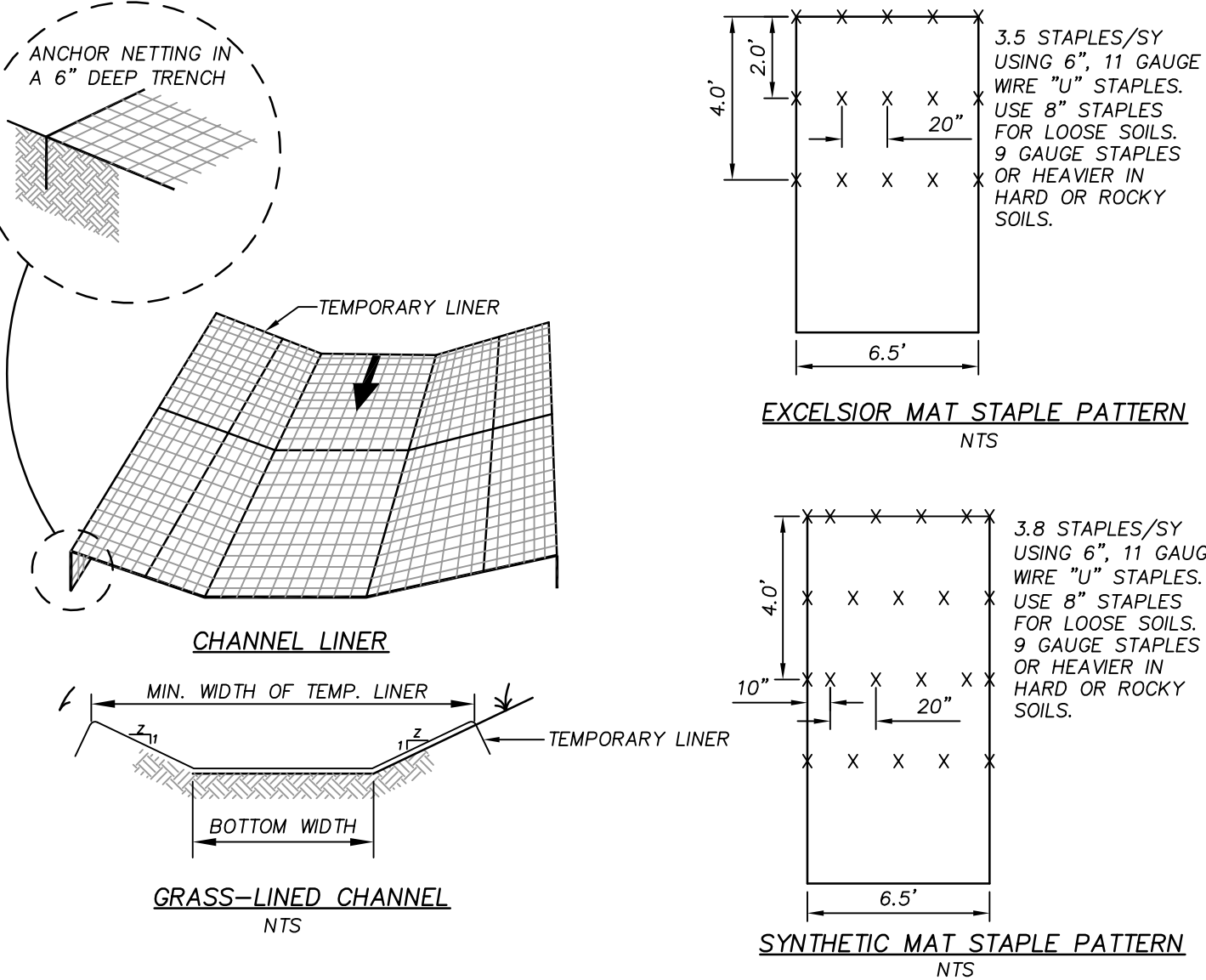


- SPECIFICATIONS
- RACKS SHALL BE "HOOP RACK" AS MANUFACTURED BY DERO BIKE RACKS CO. OR APPROVED EQUAL.
- MATERIAL: HOOPS SHALL BE 1.9" DIA. SCH-40, 16-GA STEEL PIPE. ALL SURFACES SHALL BE POWDER-COATED WITH ZINC-RICH EPOXY PRIMER. COLOR: BLACK.
- QUANTITIES SHOWN ON SITE PLAN REPRESENT NUMBER OF HOOPS. RACK CAPACITY EQUALS 2 BIKES PER LOOP.
- RACKS TO BE SURFACE MOUNTED PER MANUFACTURER'S INSTRUCTIONS.



- MAINTENANCE NOTES:
1. INSPECT THE BARRIER AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL AND REPAIR IMMEDIATELY.
  2. REMOVE SEDIMENT AND RESTORE SEDIMENT STORAGE AREA TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE TRAP.
  3. CHECK THE STRUCTURE FOR DAMAGE AND REPLACE ANY DISPLACED RIPRAP IMMEDIATELY.
  4. APPROPRIATELY STABILIZE ALL BARE AREAS AROUND THE INLET.

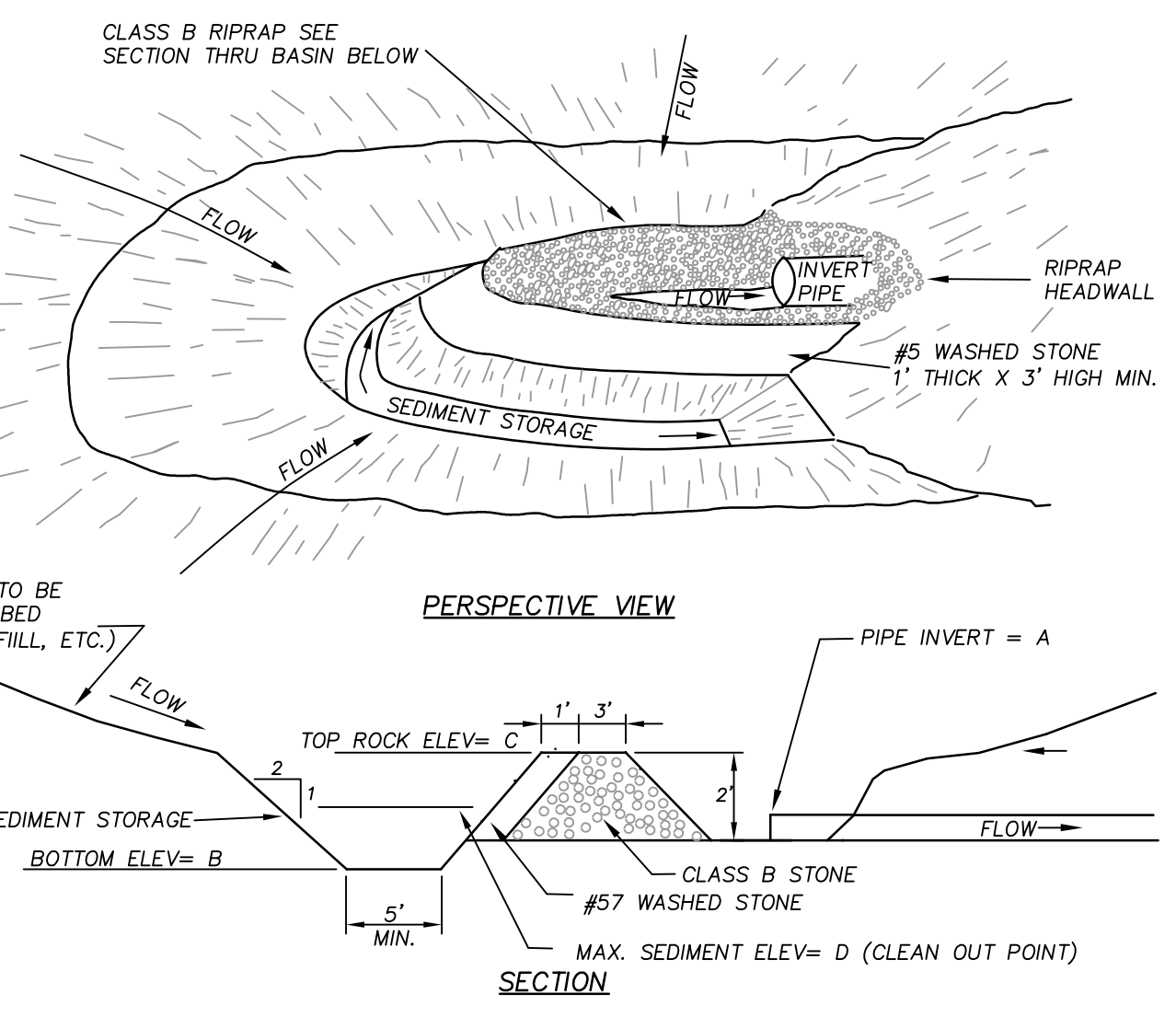
BASIN NUMBER	INLET NUMBER	A (FT)	B (FT)	C (FT)	D (FT)
1	EXIST. CULVERT	376.79	375.29	378.79	377.04
2	07	382.47	380.97	384.47	382.72
3	EXIST. CULVERT	360.64	359.14	362.64	360.89
4	M1	357.28	355.78	359.28	357.53
5	M5	356.30	354.80	358.30	356.55
6	P1	316.50	315.00	318.50	316.75



- CONSTRUCTION NOTES:
1. SEE SPECIFICATIONS FOR TEMP. LINING, RIPRAP AND FILTER FABRIC REQUIREMENTS.
  2. RIPRAP CHANNELS SHALL BE OVER-EXCAVATED RIPRAP TO BE PLACED FLUSH WITH PROPOSED CHANNEL GRADE.
  3. PREPARE SOIL BEFORE INSTALLING MATS OR NETS, INCLUDING APPLICATION OF LIME, FERTILIZER AND SEED.
  4. BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE NET OR MAT IN A 6" DEEP TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
  5. ROLL CENTER MAT OR NET IN DIRECTION OF WATER FLOW ON BOTTOM OF CHANNEL.
  6. PLACE MAT OR NET END OVER END (SHINGLE STYLE) WITH A 6" OVERLAP. USE DOUBLE ROW OF STAGGERED STAPLES 4" APART TO SECURE.
  7. FULL LENGTH EDGE OF MAT OR NET AT TOP SIDE SLOPES SHALL BE ANCHORED IN 6" DEEP TRENCH AFTER STAPLING.
  8. MATS OR NETS SHALL BE OVERLAPPED 4" OVER THE CENTER BLANKET AND STAPLED.
  9. THE TERMINAL END OF THE MAT OR NET MUST BE ANCHORED IN A 6" DEEP TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.

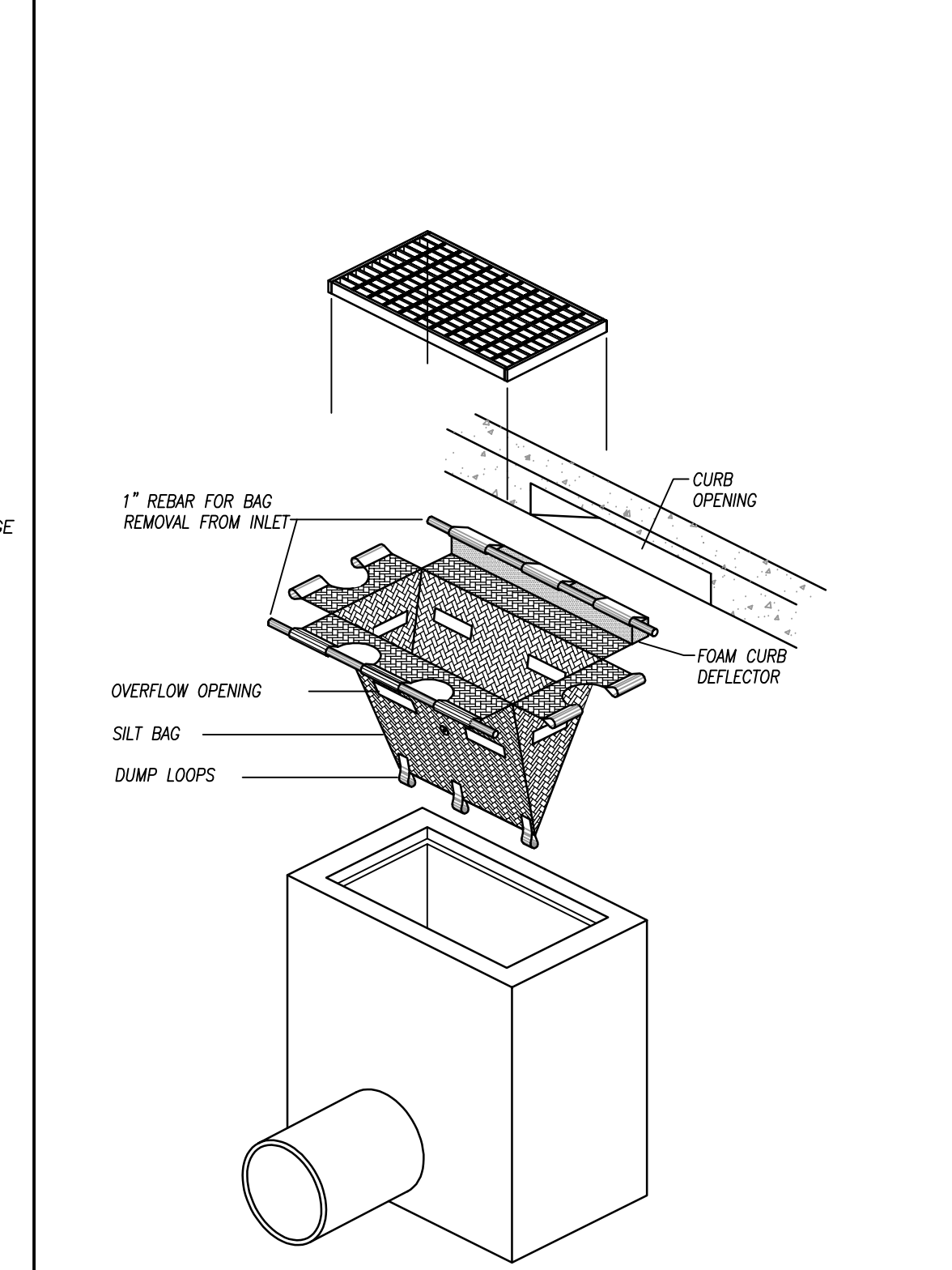
CHANNEL SCHEDULE

CHANNEL	BOTTOM WIDTH (FT)	SIDE SLOPE (H:V)	CHANNEL GRADE	CHANNEL LENGTH	PERM. LINING	TEMP. LINING	MIN. TOP WIDTH OF LINING (FT)	RIPRAP DEPTH (IN)
1	4	3:1	0.42%	530 LF	GRASS	STRAW W/NET	10	N/A
2	0	3:1	0.50%	195 LF	GRASS	STRAW W/NET	6	N/A



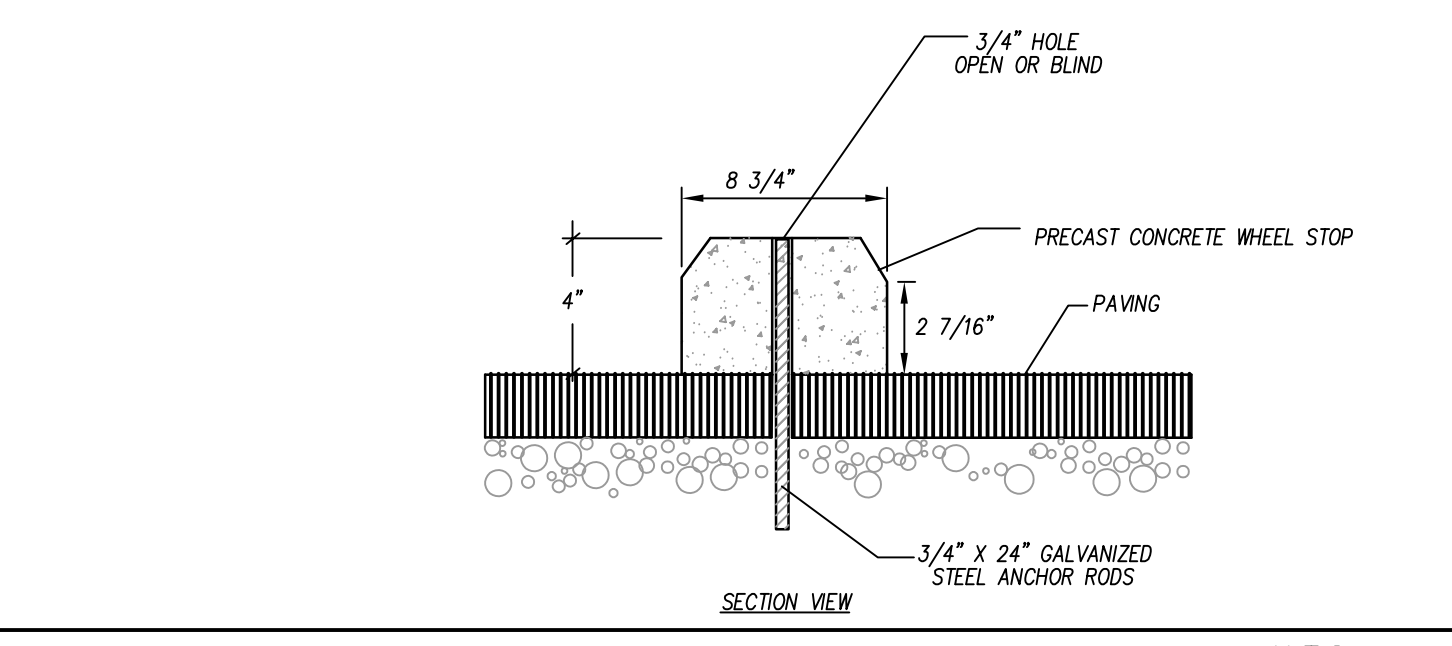
TEMPORARY ROCK PIPE INLET PROTECTION N.T.S.

CHANNEL SECTION N.T.S.

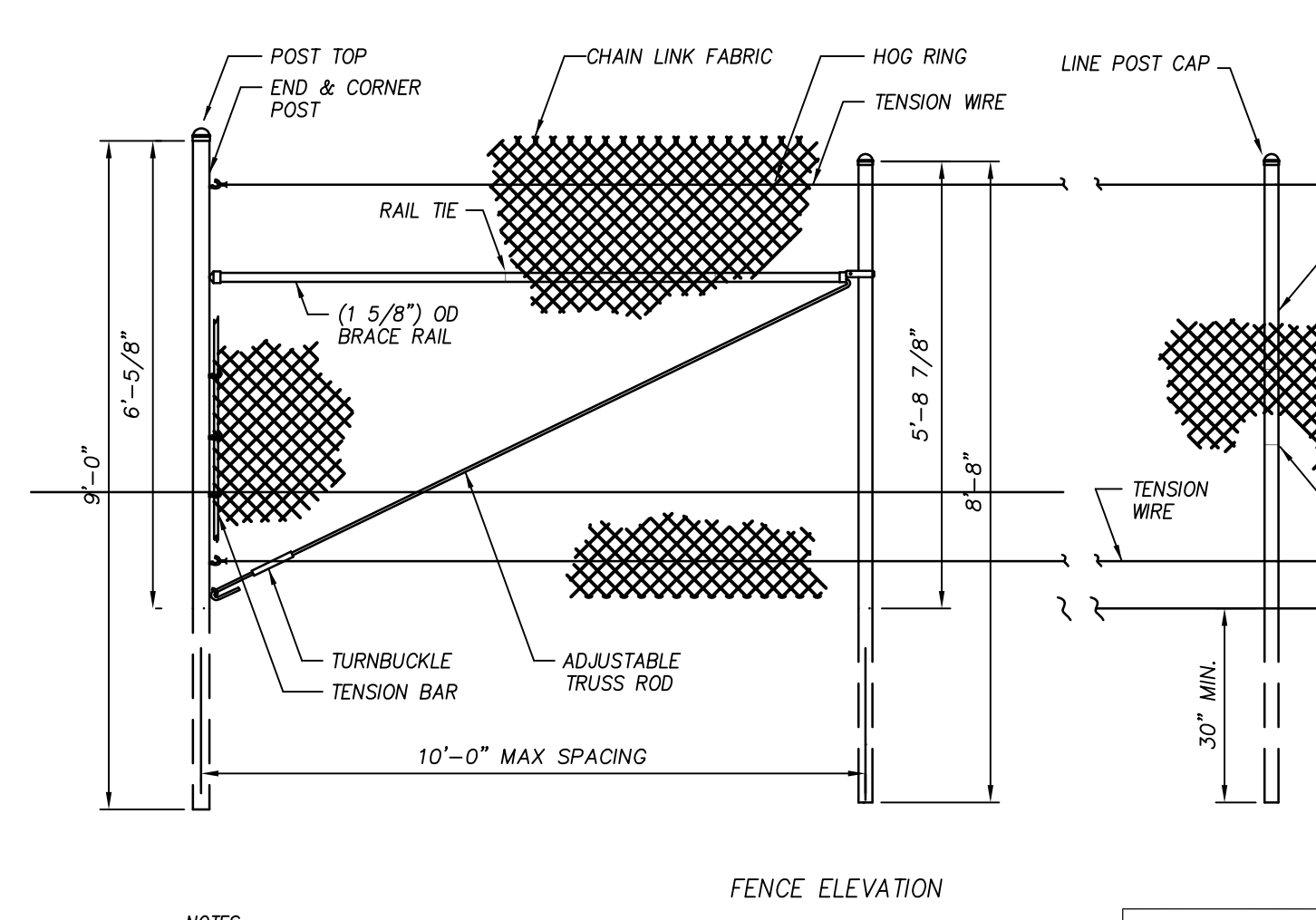


- NOTES:
1. CONTRACTOR TO INSPECT SILT BAG EVERY TWO WEEKS OR AFTER EVERY SUBSTANTIAL RAIN EVENT.
  2. CONTRACTOR TO REMOVE AND DISPOSE OF COLLECTED SILT AT AN ACCEPTABLE OFF SITE LOCATION.
  3. COLLECTED SEDIMENT TO BE REMOVED ROUTINELY TO ENSURE FUNCTIONALITY OF SILT BAG.
  4. DEVICE SHALL BE MANUFACTURED FROM WOVEN POLYPROPYLENE GEOTEXTILE TO FIT THE OPENING OF A CATCH BASIN OR DRIP INLET TO FILTER SEDIMENT FROM RUNOFF ENTERING THE INLET. DEVICE SHALL BE PROVIDED WITH AN INTEGRAL CURB DEFLECTOR IF INSTALLED AT A CATCH BASIN WITH A VERTICAL OPENING ADJACENT TO A HORIZONTAL GRATE.
  5. THE DEVICE SHALL BE A HIGH FLOW "SILTSACK" AS MANUFACTURED BY ACF ENVIRONMENTAL, INC. OR APPROVED EQUAL.
  6. INSTALL DEVICE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND INSTALL A CURB DEFLECTOR IF APPROPRIATE.
  7. INSPECT DEVICE AFTER EACH RAIN EVENT AND AT INTERVALS NOT EXCEEDING TWO WEEKS DURING CONSTRUCTION. REMOVE, EMPTY, CLEAN, AND REPLACE THE DEVICE AS NEEDED DURING CONSTRUCTION. EMPTY COLLECTED SEDIMENT IN APPROVED, PROTECTED LOCATION. REMOVE AND DISPOSE OF DEVICE FOLLOWING FULL AND PERMANENT STABILIZATION OF THE CONTRIBUTING DRAINAGE AREA.

SILT BAG INLET PROTECTION N.T.S.



PRE-CAST CONCRETE WHEELSTOP N.T.S.



- NOTES:
1. STEEL CHAIN-LINK FENCE FABRIC: MAXIMUM 2-1/4" MESH, MINIMUM 0.106" DIAMETER (#12 GAUGE).
  2. END/CORNER POSTS: 2.875" OUTSIDE DIAMETER STEEL PIPE.
  3. COLLECTED SEDIMENT TO BE REMOVED ROUTINELY TO ENSURE FUNCTIONALITY OF SILT BAG.
  4. TENSION WIRE: 7 GAUGE COATED COIL SPRING TENSION WIRE. WIRE TIES: TIE FABRIC TO RAILS & BRACES 24" ON CENTER. TO THE FABRIC TO TENSION WIRE, USE HOG RINGS SPACED 24" ON CENTER.
  5. DRIVE POSTS DIRECTLY INTO FIRM GROUND. CONCRETE FOOTINGS SHALL BE UTILIZED AS NEEDED TO STABILIZE POSTS. STABILITY OF POSTS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION TO ENSURE SAFE BARRIER.

TEMPORARY CONSTRUCTION FENCE N.T.S.

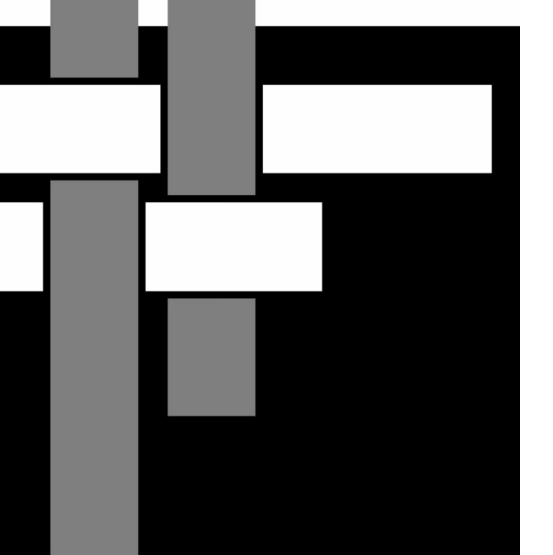
APPROVED CONSTRUCTION PLAN

NAME \_\_\_\_\_ DATE \_\_\_\_\_

PLANNING \_\_\_\_\_

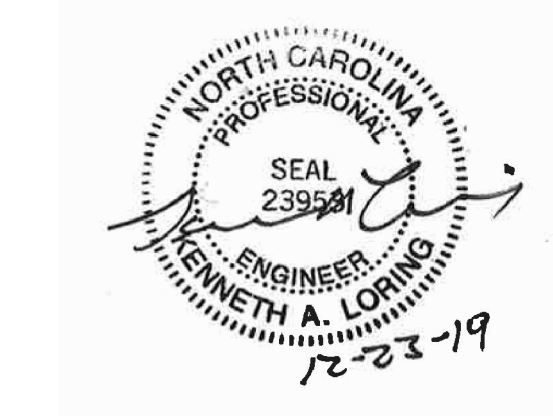
TRAFFIC \_\_\_\_\_

FIRE \_\_\_\_\_



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**CLH DESIGN, PA**  
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**MAIDES PARK GYMNASIUM ADDITION**  
 1101 MANLY AVENUE  
 Wilmington, NC, 28405

CITY OF WILMINGTON MINOR SITE PLAN SUBMITTAL  
 12/23/2019

Revisions:

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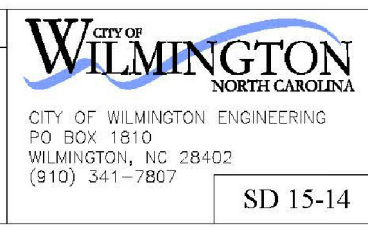
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DETAILS

C702

- No plantings over thirty (30) inches in height allowed in vision clearance.
- Protection from vehicular traffic provided around all landscaping with a minimum height of six (6) inches.
- Owner is responsible for maintenance to ensure plant material lives and prospers.
- Planting plans shall be approved by Landscape Designer prior to installation.
- Landscaping shall be required at the ends of all parking rows.
- A low buffer shall be required where parking is within fifty (50) feet of the Right-of-Way.
- Landscaped islands shall be a minimum width of twelve (12) feet (back of curb to back of curb) and a minimum of two hundred and sixteen (216) square feet.
- A minimum of fifteen (15) trees 2 inches or greater in diameter as measured 6 inches above ground per disturbed acre.
- For recommended Plant List see "Landscape" T-10.4.

DATE: APRIL, 2008	STANDARD DETAIL	
DRAWN BY: JBR	LANDSCAPE NOTES	
CHECKED BY: D.P.F.E.		
SCALE: NOT TO SCALE		
	SD 15-14	

DATE	TYPE	PLANTING RATE
AUG 15 - APR 15	3-WAY TALL FESCUE BLEND AND WINTER RYE (GRAIN)	240 LBS/ACRE 25 LBS/ACRE
APR 15 - AUG 15	3-WAY TALL FESCUE BLEND AND GERMAN MILLET ***  (SMALL-STEMMED VAR.) ***	240 LBS/ACRE 25 LBS/ACRE 30 LBS/ACRE

CONSULT CONSERVATION ENGINEER OR SOIL CONSERVATION SERVICE FOR ADDITIONAL INFORMATION CONCERNING OTHER ALTERNATIVES FOR VEGETATION OF DENuded AREAS. THE ABOVE VEGETATION RATES ARE THOSE WHICH DO WELL UNDER LOCAL CONDITIONS; OTHER SEEDING RATE COMBINATIONS ARE POSSIBLE.

\*\*\*TEMPORARY - RESEED ACCORDING TO OPTIMUM SEASON FOR DESIRED PERMANENT VEGETATION. DO NOT ALLOW TEMPORARY COVER TO GROW OVER 12" IN HEIGHT BEFORE MOWING, OTHERWISE FESCUE MAY BE SHADED OUT.

#### TEMPORARY SEEDING SCHEDULE

LAWN AREAS AND ALL DISTURBED AREAS	DATE	TYPE	PLANTING RATE
	APR 15- JULY 15**	HULLED SUNSTAR BERMUDA	85 LBS/ACRE*
	JULY 15- AUG 15	SUNSTAR BERMUDA SPRIGS (WATERING AT CONTRACTOR'S EXPENSE)	
	AUG 15 - APR 15	TEMPORARY SEEDING APPLIES**	5 BUSHELS/1,000 SF

\* OR AS REQUIRED TO ACHIEVE 95% COVERAGE AS DETERMINED ON A PER SQUARE YARD BASIS PRIOR TO SUBSTANTIAL COMPLETION.

\*\* WHEN SEEDING MUST TAKE PLACE OUT-OF-SEASON FOR PERMANENT GRASS, APPROPRIATE TEMPORARY SEEDING SHALL BE DONE AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERMANENT SEEDING AS SPECIFIED IN SEASON AT NO ADDITIONAL COST TO OWNER.

#### LAWN MAINTENANCE:

SEE SPEC SECTION 329000 FOR LAWN MAINTENANCE REQUIREMENTS. LAWN MUST BE AT 95% COVERAGE AT SUBSTANTIAL COMPLETION REVIEW TO BE ACCEPTED.

IF NOT AT 95% SUBSTANTIAL COMPLETION WILL BE DELAYED UNTIL THE FOLLOWING GROWING SEASON.

- PERMANENT OR TEMPORARY GROUND COVER SHALL BE PROVIDED OVER ALL DISTURBED AREAS OF THE SITE AS SOON AS POSSIBLE, HOWEVER, NO LATER 21 DAYS AFTER CONSTRUCTION ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED DURING ANY PHASE OF WORK.
- USE EXCELSDOR MATTING OR OTHER APPROVED CHANNEL LINING MATERIAL TO COVER THE BOTTOM OF CHANNELS.
- APPLY 4000 LB/ACRE GRAIN STRAW OVER SEEDED AREAS AND APPLY ASPHALT TACKING AT A RATE OF 400 GAL./ACRE.
- MULCH AND ANCHORING MATERIALS MUST NOT BE ALLOWED TO WASH DOWN SLOPES AND CLOG DRAINAGE DEVICES.

#### SEEDBED PREPARATION

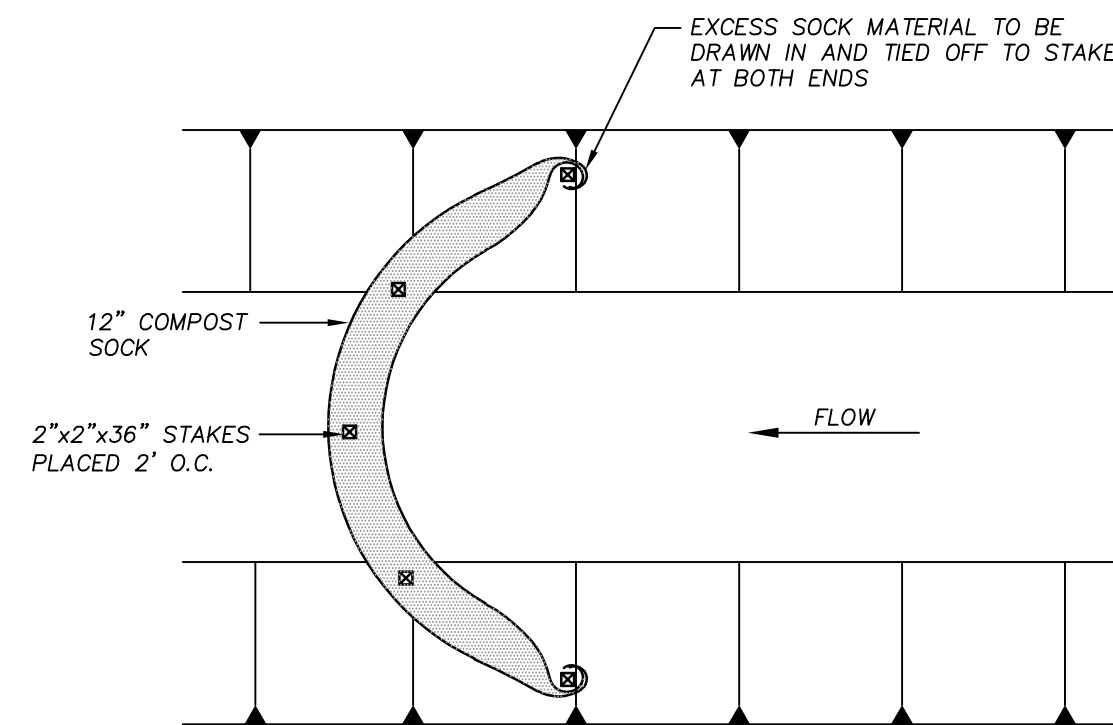
- CHISEL ALL CUT GRADED OR COMPACTED AREAS TO A MINIMUM DEPTH OF 8"
- DISC ALL AREAS TO RECEIVE GRASS TO A MINIMUM OF 8 INCHES, MIX AND AMEND WITH 3 INCHES OF IMPORTED TOPSOIL. REFER TO SPECIFICATIONS FOR TOPSOIL REQUIREMENTS.
- REMOVE ALL LOOSE ROCK, ROOTS, AND OTHER OBSTRUCTIONS LEAVING SURFACE REASONABLY SMOOTH AND UNIFORM. CONSTRUCTION EQUIPMENT & TRAFFIC SHALL BE REMOVED PRIOR TO SEEDING.
- APPLY AGRICULTURAL LIME, FERTILIZER, AND PHOSPHATE UNIFORMLY AS PER SPECIFICATIONS AND MIX WELL WITH SOIL.
- CONTINUE TILLAGE UNTIL A WELL-PULVERIZED, FIRM, REASONABLY UNIFORM SEEDBED IS PREPARED TO A 6 INCHES DEPTH.
- SEED AT RATE SPECIFIED. ACHIEVE AND MAINTAIN MINIMUM 95% COVERAGE PRIOR TO FINAL ACCEPTANCE, AS DETERMINED ON A PER SQUARE YARD SAMPLE BASIS.
- MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH. BEGIN THOROUGH WATERING OF GRASSED AREAS IMMEDIATELY UPON INSTALLATION. DO NOT ALLOW GRASSED AREAS TO BECOME EXCESSIVELY DRY.
- INSPECT ALL SEEDED AREAS AND MAKE NECESSARY REPAIRS OR RESEEDINGS WITHIN THE PLANTING SEASON, IF POSSIBLE. IF STAND SHOULD BE OVER 60% DAMAGED, REESTABLISH FOLLOWING ORIGINAL LIME, FERTILIZER AND SEEDING RATES.
- REFER TO WRITTEN SPECIFICATIONS FOR WARRANTY AND MAINTENANCE OF LAWNS PRIOR TO OWNER'S FINAL ACCEPTANCE.
- IF CONFLICTS OCCUR BETWEEN WRITTEN SPECIFICATIONS AND THE DRAWINGS, THE WRITTEN SPECIFICATIONS SHALL PREVAIL.

#### PERMANENT SEEDING SCHEDULE- LAWN AREAS

APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS, OR APPLY A MINIMUM 2 TONS/ACRE GROUND AGRICULTURAL LIMESTONE (3 TONS/ACRE IN CLAY SOILS) AND A MINIMUM 500 LB/ACRE 10-10-10 FERTILIZER, AS NEEDED TO ESTABLISH 95% COVERAGE (AS DETERMINED ON A PER SQUARE YARD BASIS) PRIOR TO SUBSTANTIAL COMPLETION. CONTRACTOR TO SUBMIT A COPY OF ALL SOIL REPORTS TO OWNER UPON RECEIPT.

#### LIME & FERTILIZATION SCHEDULE

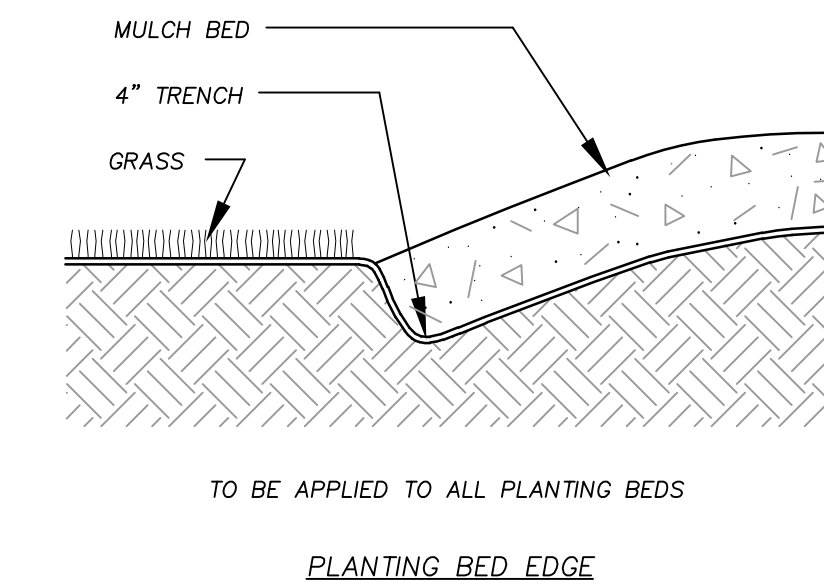
#### CITY OF WILMINGTON DETAILS



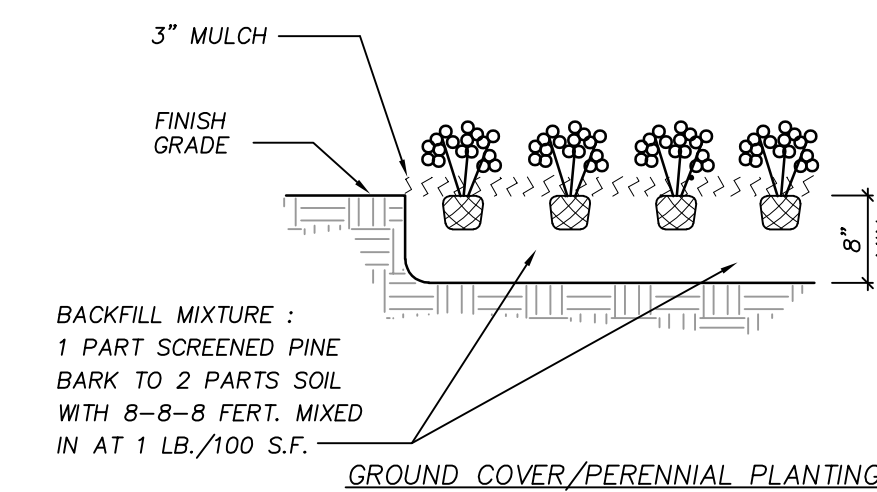
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|---|---|
| <p><b>NOTES:</b></p> <ol style="list-style-type: none"> <li>MATERIALS TO BE FILTREXX OR APPROVED EQUAL.</li> <li>ALL MATERIAL AND INSTALLATION TO MEET STATE AND LOCAL SPECIFICATIONS.</li> <li>COMPOST SOCK MAY BE USED AS CHECK DAMS IN DITCHES NOT EXCEEDING 3 FEET IN DEPTH. PRIOR TO SOCK INSTALLATION, CLEAR ALL OBSTRUCTIONS INCLUDING ROCKS, CLOGS, AND OTHER DEBRIS GREATER THAN ONE INCH THAT MAY INTERFERE WITH PROPER FUNCTION.</li> <li>2"x2" OAK OR OTHER DURABLE HARDWOOD STAKES SHALL BE USED. STAKES SHALL BE PLACED AT A MAXIMUM INTERVAL OF 2 FEET. STAKES SHALL BE DRIVEN TO A MINIMUM DEPTH OF 12 INCHES, WITH A MINIMUM OF 3 INCHES PROTRUDING ABOVE THE COMPOST SOCKS.</li> <li>THE ENDS OF THE SOCKS SHOULD BE TURNED SLIGHTLY UP SLOPE TO PREVENT RUNOFF FROM GOING AROUND THE END OF THE SOCKS.</li> <li>CHECK DAM SHOULD BE USED IN AREAS THAT DRAIN TO ACRES OR LESS.</li> <li>CHECK DAM CAN BE DIRECT SEEDED AT THE TIME OF INSTALLATION.</li> </ol> | <p><b>MAINTENANCE NOTES:</b></p> <ol style="list-style-type: none"> <li>INSPECT COMPOST SOCKS WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT (1/2 INCH OR GREATER).</li> <li>SEDIMENT SHOULD BE REMOVED FROM BEHIND CHECK DAM ONCE THE ACCUMULATED HEIGHT HAS REACHED 1/2 THE HEIGHT OF THE CHECK DAM.</li> <li>THE COMPOST SOCK MUST BE REPLACED IF CLOGGED OR TORN.</li> <li>IF PONDING BECOMES EXCESSIVE, THE SOCK MAY NEED TO BE REPLACED WITH A LARGER DIAMETER OR A DIFFERENT MEASURE.</li> <li>THE SOCK NEEDS TO BE REINSTALLED IF UNDERMINED OR DISLOADED.</li> <li>THE COMPOST SOCK SHALL BE INSPECTED UNTIL LAND DISTURBANCE IS COMPLETE AND THE AREA ABOVE THE MEASURE HAS BEEN PERMANENTLY STABILIZED.</li> </ol> |
|---|---|

#### TEMPORARY COMPOST SOCK CHECK DAM

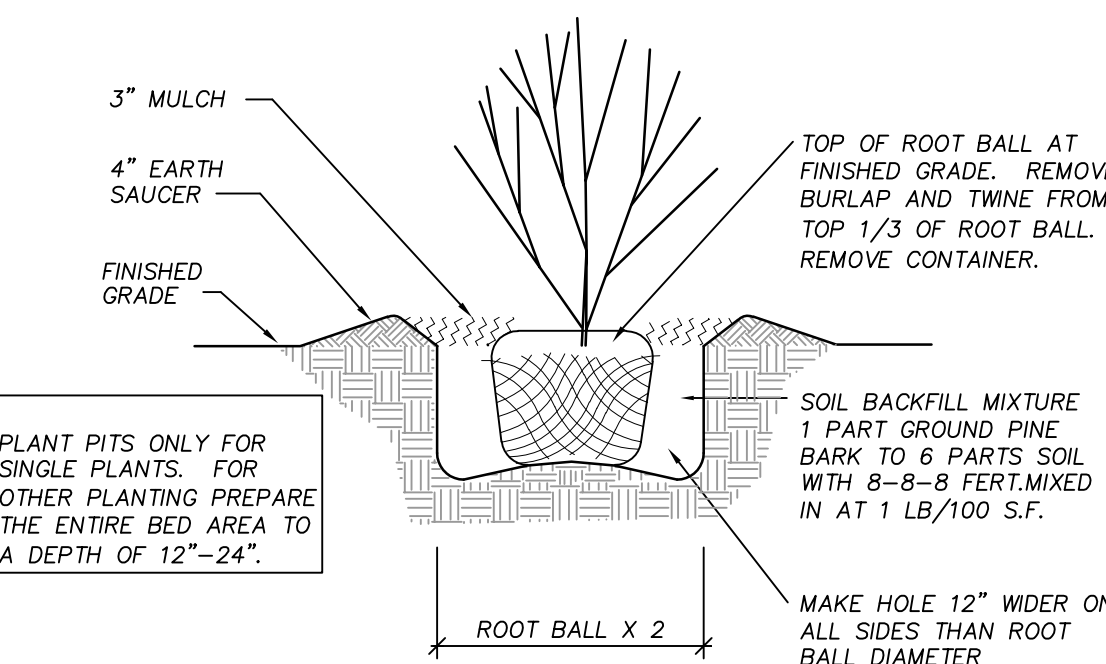
N.T.S.



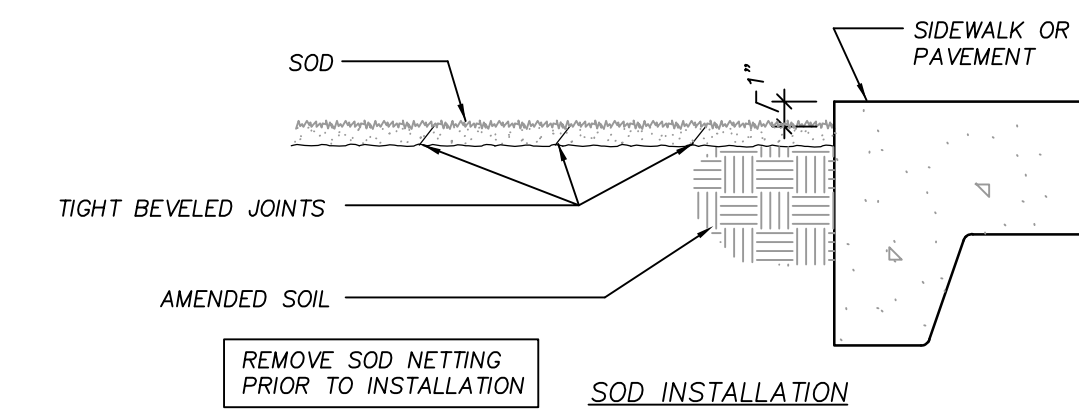
#### PLANTING BED EDGE



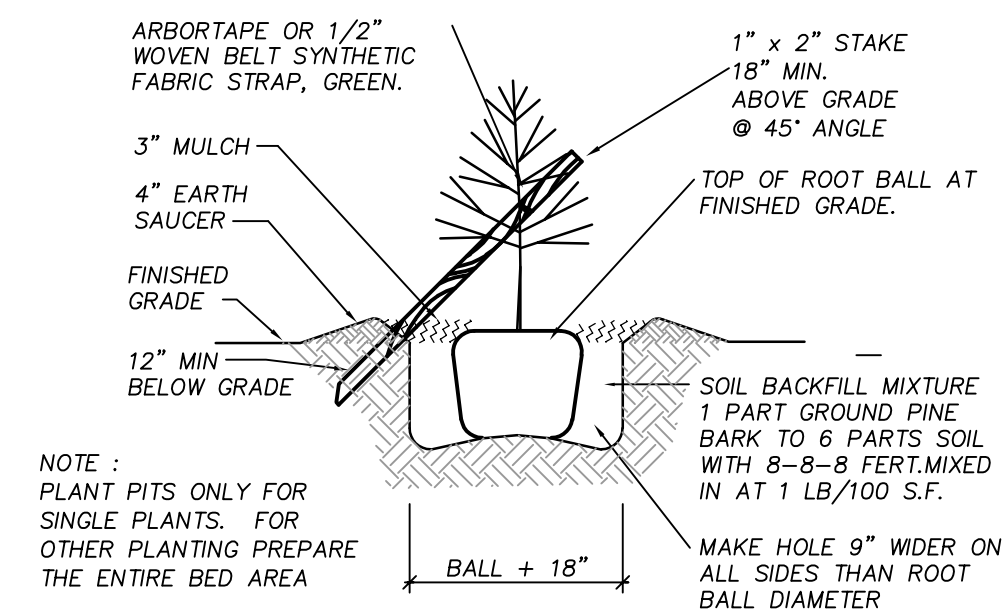
#### GROUND COVER/PERENNIAL PLANTING



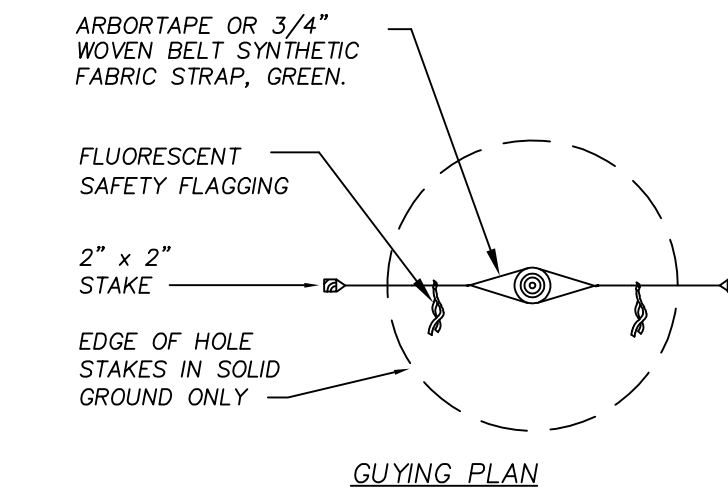
#### TYPICAL SHRUB PLANTING



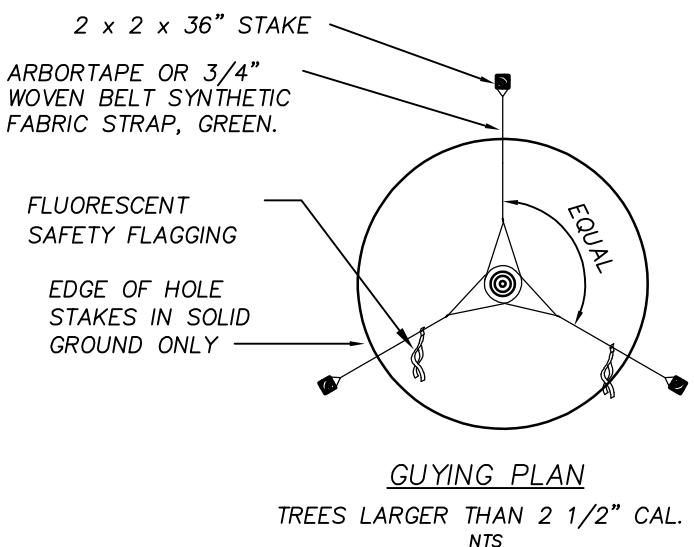
#### SOD INSTALLATION



#### TYPICAL PINE PLANTING

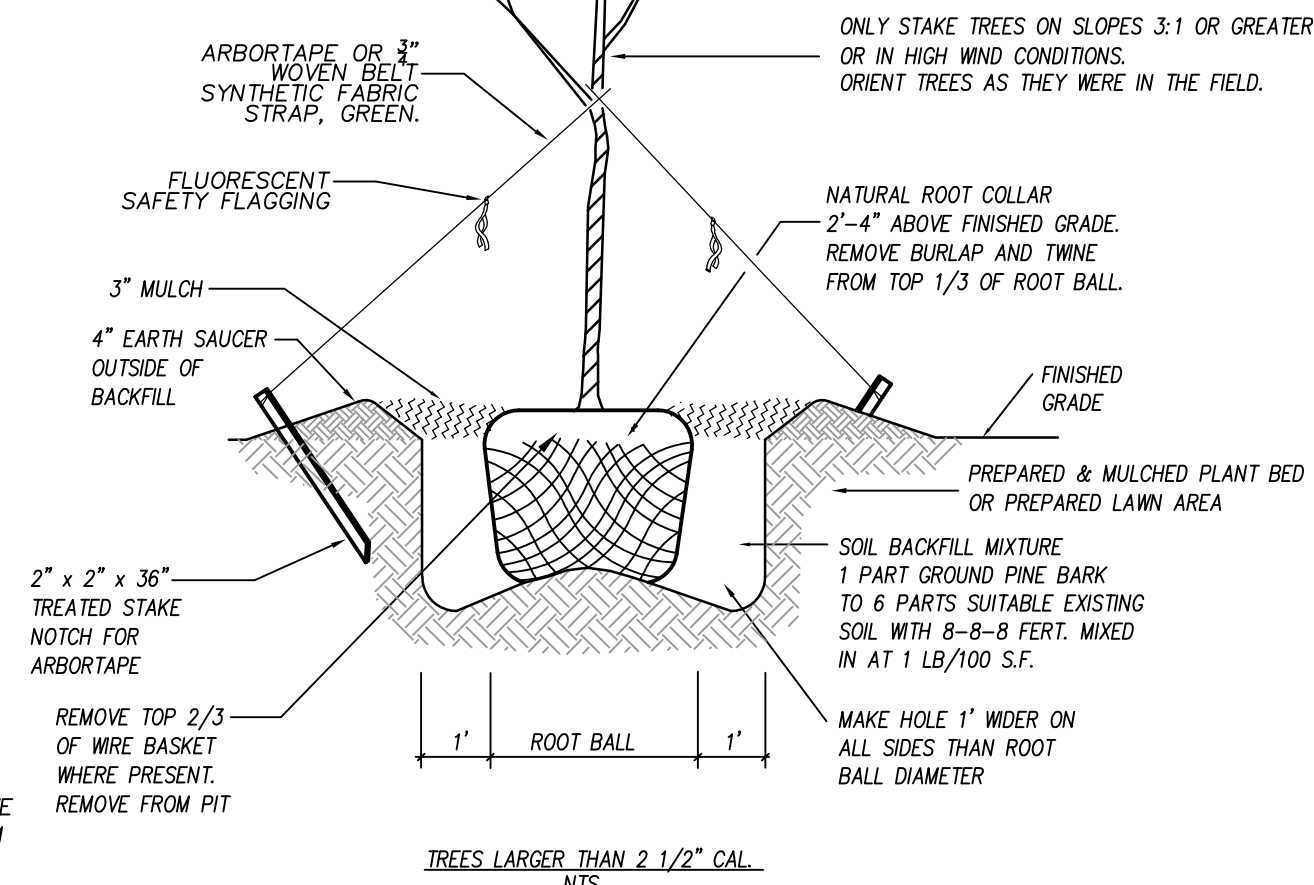


#### GUYING PLAN



#### GUYING PLAN

\*\*\*DO NOT PRUNE OR CUT LEADER. SEE SPECIFICATIONS SECTION 2900 FOR DETAILS.



#### TREES LARGER THAN 2 1/2" CAL. NTS

CITY OF WILMINGTON  
NORTH CAROLINA  
Public Services • Engineering Division  
APPROVED STORMWATER MANAGEMENT PLAN

Date: \_\_\_\_\_ Permit # \_\_\_\_\_

Signed: \_\_\_\_\_

APPROVED CONSTRUCTION PLAN

NAME	DATE

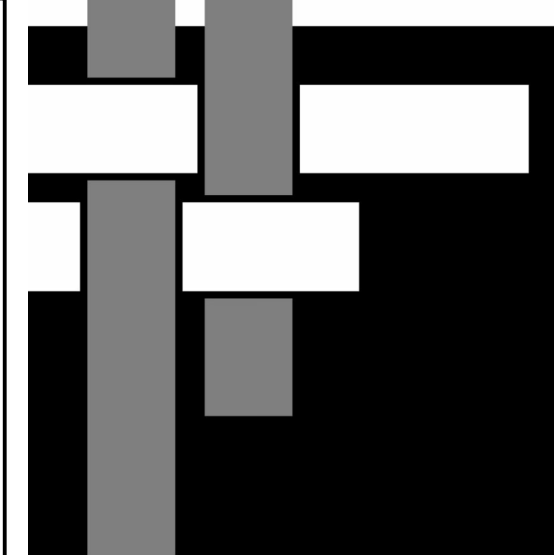
PLANNING \_\_\_\_\_

TRAFFIC \_\_\_\_\_

FIRE \_\_\_\_\_

#### PLANTING DETAILS

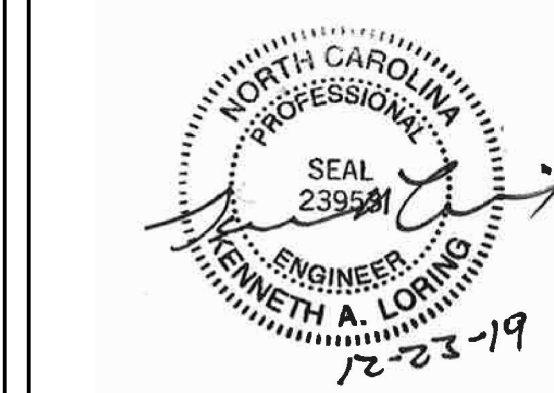
N.T.S.



**SAWYER  
SHERWOOD  
& ASSOCIATE  
ARCHITECTURE**

124 Market St, Wilmington, NC 28401  
910 762-0892 s2a3.com

**CLH  
DESIGN,PA**  
400 Regency Forest Dr.  
Suite 120  
Cary, NC 27518  
Phone: 919.319.6716  
Fax: 919.319.7516  
LA: C-108 FE: C-1595



**MAIDES PARK  
GYMNASIUM  
ADDITION**  
1101 MANLY AVENUE  
Wilmington, NC, 28405

CITY OF WILMINGTON MINOR  
SITE PLAN SUBMITTAL  
12/23/2019

Revisions:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

#### DETAILS

C703

**GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCG01 CONSTRUCTION GENERAL PERMIT**

Implementing the details and specifications on this plan sheet will result in the construction activity being considered compliant with the Ground Stabilization and Materials Handling sections of the NCG01 Construction General Permit (Sections E and F, respectively). The permittee shall comply with the Erosion and Sediment Control plan approved by the delegated authority having jurisdiction. All details and specifications shown on this sheet may not apply depending on site conditions and the delegated authority having jurisdiction.

**SECTION E: GROUND STABILIZATION**

Required Ground Stabilization Timeframes		
Site Area Description	Stabilize within this many calendar days after ceasing land disturbance	Timeframe variations
(a) Perimeter dikes, swales, ditches, and perimeter slopes	7	None
(b) High Quality Water (HQW) Zones	7	None
(c) Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed
(d) Slopes 3:1 to 4:1	14	-7 days for slopes greater than 50' in length and with slopes steeper than 4:1 -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed
(e) Areas with slopes flatter than 4:1	14	-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed unless there is zero slope

**Note:** After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 90 calendar days after the last land disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is achieved.

**GROUND STABILIZATION SPECIFICATION**

Stabilize the ground sufficiently so that rain will not dislodge the soil. Use one of the techniques in the table below:

Temporary Stabilization	Permanent Stabilization
<ul style="list-style-type: none"> <li>Temporary grass seed covered with straw or other mulches and tackifiers</li> <li>Hydroseeding</li> <li>Rolled erosion control products with or without temporary grass seed</li> <li>Appropriately applied straw or other mulch</li> <li>Plastic sheeting</li> </ul>	<ul style="list-style-type: none"> <li>Permanent grass seed covered with straw or other mulches and tackifiers</li> <li>Geotextile fabrics such as permanent soil reinforcement matting</li> <li>Hydroseeding</li> <li>Shrubs or other permanent plantings covered with mulch</li> <li>Uniform and evenly distributed ground cover sufficient to restrain erosion</li> <li>Structural methods such as concrete, asphalt or retaining walls</li> <li>Rolled erosion control products with grass seed</li> </ul>

**POLYACRYLAMIDES (PAMS) AND FLOCCULANTS**

- Select flocculants that are appropriate for the soils being exposed during construction, selecting from the *NC DWR List of Approved PAMS/Flocculants*.
- Apply flocculants at or before the inlets to Erosion and Sediment Control Measures.
- Apply flocculants at the concentrations specified in the *NC DWR List of Approved PAMS/Flocculants* and in accordance with the manufacturer's instructions.
- Provide ponding area for containment of treated Stormwater before discharging offsite.
- Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

**EQUIPMENT AND VEHICLE MAINTENANCE**

- Maintain vehicles and equipment to prevent discharge of fluids.
- Provide drip pans under any stored equipment.
- Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.
- Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).
- Remove leaking vehicles and construction equipment from service until the problem has been corrected.
- Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products to a recycling or disposal center that handles these materials.

**LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE**

- Never bury or burn waste. Place litter and debris in approved waste containers.
- Provide a sufficient number and size of waste containers (e.g dumpster, trash receptacle) on site to contain construction and domestic wastes.
- Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Locate waste containers on areas that do not receive substantial amounts of runoff from upland areas and does not drain directly to a storm drain, stream or wetland.
- Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
- Anchor all lightweight items in waste containers during times of high winds.
- Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.
- Dispose waste off-site at an approved disposal facility.
- On business days, clean up and dispose of waste in designated waste containers.

**PAINT AND OTHER LIQUID WASTE**

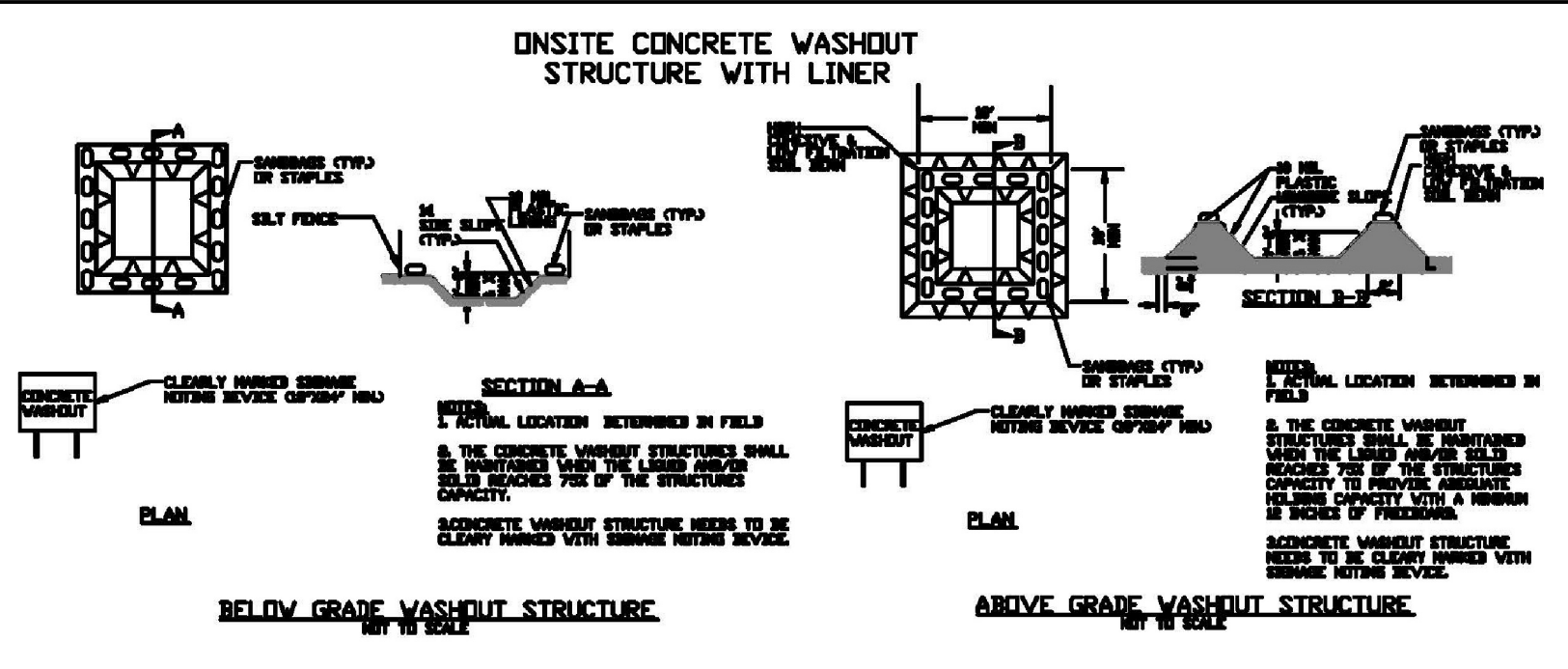
- Do not dump paint and other liquid waste into storm drains, streams or wetlands.
- Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Contain liquid wastes in a controlled area.
- Containment must be labeled, sized and placed appropriately for the needs of site.
- Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites.

**PORTABLE TOILETS**

- Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands unless there is no alternative reasonably available. If 50 foot offset is not attainable, provide relocation of portable toilet behind silt fence or place on a gravel pad and surround with sand bags.
- Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
- Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace with properly operating unit.

**EARTHEN STOCKPILE MANAGEMENT**

- Show stockpile locations on plans. Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably available.
- Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
- Provide stable stone access point when feasible.
- Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated erosion on disturbed soils for temporary or permanent control needs.



**CONCRETE WASHOUTS**

- Do not discharge concrete or cement slurry from the site.
- Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
- Manage washout from mortar mixers in accordance with the above item and in addition place the mixer and associated materials on impervious barrier and within lot perimeter silt fence.
- Install temporary concrete washouts per local requirements, where applicable. If an alternate method or product is to be used, contact your approval authority for review and approval. If local standard details are not available, use one of the two types of temporary concrete washouts provided on this detail.
- Do not use concrete washouts for dewatering or storing defective curb or sidewalk sections. Stormwater accumulated within the washout may not be pumped into or discharged to the storm drain system or receiving surface waters. Liquid waste must be pumped out and removed from project.
- Locate washouts at least 50 feet from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonably available. At a minimum, install protection of storm drain inlet(s) closest to the washout which could receive spills or overflow.
- Locate washouts in an easily accessible area, on level ground and install a stone entrance pad in front of the washout. Additional controls may be required by the approving authority.
- Install at least one sign directing concrete trucks to the washout within the project limits. Post signage on the washout itself to identify this location.
- Remove leavings from the washout when at approximately 75% capacity to limit overflow events. Replace the tarp, sand bags or other temporary structural components when no longer functional. When utilizing alternative or proprietary products, follow manufacturer's instructions.
- At the completion of the concrete work, remove remaining leavings and dispose of in an approved disposal facility. Fill pit, if applicable, and stabilize any disturbance caused by removal of washout.

**HERBICIDES, PESTICIDES AND RODENTICIDES**

- Store and apply herbicides, pesticides and rodenticides in accordance with label restrictions.
- Store herbicides, pesticides and rodenticides in their original containers with the label, which lists directions for use, ingredients and first aid steps in case of accidental poisoning.
- Do not store herbicides, pesticides and rodenticides in areas where flooding is possible or where they may spill or leak into wells, stormwater drains, ground water or surface water. If a spill occurs, clean area immediately.
- Do not stockpile these materials onsite.

**HAZARDOUS AND TOXIC WASTE**

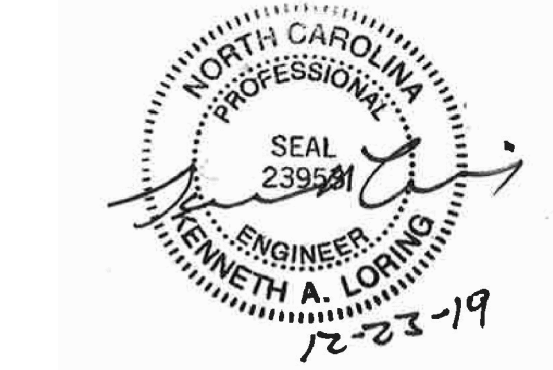
- Create designated hazardous waste collection areas on-site.
- Place hazardous waste containers under cover or in secondary containment.
- Do not store hazardous chemicals, drums or bagged materials directly on the ground.

**NCG01 GROUND STABILIZATION AND MATERIALS HANDLING**

**EFFECTIVE: 04/01/19**



124 Market St, Wilmington, NC 28401  
910 762-0892 s2a3.com



**MAIDES PARK GYMNASIUM ADDITION**  
1101 MANLY AVENUE  
Wilmington, NC, 28405

CITY OF WILMINGTON MINOR  
SITE PLAN SUBMITTAL  
12/23/2019

Revisions:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

APPROVED CONSTRUCTION PLAN	
NAME	DATE
PLANNING _____	_____
TRAFFIC _____	_____
FIRE _____	_____

C704

**PART III  
SELF-INSPECTION, RECORDKEEPING AND REPORTING**

**SECTION A: SELF-INSPECTION**

Self-inspections are required during normal business hours in accordance with the table below. When adverse weather or site conditions would cause the safety of the inspection personnel to be in jeopardy, the inspection may be delayed until the next business day on which it is safe to perform the inspection. In addition, when a storm event of equal to or greater than 1.0 inch occurs outside of normal business hours, the self-inspection shall be performed upon the commencement of the next business day. Any time when inspections were delayed shall be noted in the Inspection Record.

Inspect	Frequency (during normal business hours)	Inspection records must include:
(1) Rain gauge maintained in good working order	Daily	Daily rainfall amounts. If no daily rain gauge observations are made during weekend or holiday periods, and no individual-day rainfall information is available, record the cumulative rain measurement for those unattended days (and this will determine if a site inspection is needed). Days on which no rainfall occurred shall be recorded as "zero." The permittee may use another rain-monitoring device approved by the Division.
(2) E&SC Measures	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	1. Identification of the measures inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Indication of whether the measures were operating properly, 5. Description of maintenance needs for the measure, 6. Description, evidence, and date of corrective actions taken.
(3) Stormwater discharge outfalls (SDOs)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	1. Identification of the discharge outfalls inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Evidence of indicators of stormwater pollution such as oil sheen, floating or suspended solids or discoloration, 5. Indication of visible sediment leaving the site, 6. Description, evidence, and date of corrective actions taken.
(4) Perimeter of site	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	If visible sedimentation is found outside site limits, then a record of the following shall be made: 1. Actions taken to clean up or stabilize the sediment that has left the site limits, 2. Description, evidence, and date of corrective actions taken, and 3. An explanation as to the actions taken to control future releases.
(5) Streams or wetlands onsite or offsite (where accessible)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	If the stream or wetland has increased visible sedimentation or a stream has visible increased turbidity from the construction activity, then a record of the following shall be made: 1. Description, evidence and date of corrective actions taken, and 2. Records of the required reports to the appropriate Division Regional Office per Part III, Section C, Item (2)(a) of this permit of this permit.
(6) Ground stabilization measures	After each phase of grading	1. The phase of grading (installation of perimeter E&SC measures, clearing and grubbing, installation of storm drainage facilities, completion of all land-disturbing activity, construction or redevelopment, permanent ground cover). 2. Documentation that the required ground stabilization measures have been provided within the required timeframe or an assurance that they will be provided as soon as possible.

NOTE: The rain inspection resets the required 7 calendar day inspection requirement.



**PART III  
SELF-INSPECTION, RECORDKEEPING AND REPORTING**

**SECTION B: RECORDKEEPING**

**1. E&SC Plan Documentation**

The approved E&SC plan as well as any approved deviation shall be kept on the site. The approved E&SC plan must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the E&SC plan shall be documented in the manner described:

Item to Document	Documentation Requirements
(a) Each E&SC Measure has been installed and does not significantly deviate from the locations, dimensions and relative elevations shown on the approved E&SC Plan.	Initial and date each E&SC Measure on a copy of the approved E&SC Plan or complete, date and sign an inspection report that lists each E&SC Measure shown on the approved E&SC Plan. This documentation is required upon the initial installation of the E&SC Measures or if the E&SC Measures are modified after initial installation.
(b) A phase of grading has been completed.	Initial and date a copy of the approved E&SC Plan or complete, date and sign an inspection report to indicate completion of the construction phase.
(c) Ground cover is located and installed in accordance with the approved E&SC Plan.	Initial and date a copy of the approved E&SC Plan or complete, date and sign an inspection report to indicate compliance with approved ground cover specifications.
(d) The maintenance and repair requirements for all E&SC Measures have been performed.	Complete, date and sign an inspection report.
(e) Corrective actions have been taken to E&SC Measures.	Initial and date a copy of the approved E&SC Plan or complete, date and sign an inspection report to indicate the completion of the corrective action.

**2. Additional Documentation**

In addition to the E&SC Plan documents above, the following items shall be kept on the site and available for agency inspectors at all times during normal business hours, unless the Division provides a site-specific exemption based on unique site conditions that make this requirement not practical:

- (a) This general permit as well as the certificate of coverage, after it is received.
- (b) Records of inspections made during the previous 30 days. The permittee shall record the required observations on the Inspection Record Form provided by the Division or a similar inspection form that includes all the required elements. Use of electronically-available records in lieu of the required paper copies will be allowed if shown to provide equal access and utility as the hard-copy records.
- (c) All data used to complete the Notice of Intent and older inspection records shall be maintained for a period of three years after project completion and made available upon request. [40 CFR 122.41]

**PART III  
SELF-INSPECTION, RECORDKEEPING AND REPORTING**

**SECTION C: REPORTING**

**1. Occurrences that must be reported**

Permittees shall report the following occurrences:

- (a) Visible sediment deposition in a stream or wetland.
- (b) Oil spills if:
  - They are 25 gallons or more,
  - They are less than 25 gallons but cannot be cleaned up within 24 hours,
  - They cause sheen on surface waters (regardless of volume), or
  - They are within 100 feet of surface waters (regardless of volume).

- (a) Releases of hazardous substances in excess of reportable quantities under Section 311 of the Clean Water Act (Ref: 40 CFR 110.3 and 40 CFR 117.3) or Section 102 of CERCLA (Ref: 40 CFR 302.4) or G.S. 143-215.85.

- (b) Anticipated bypasses and unanticipated bypasses.

- (c) Noncompliance with the conditions of this permit that may endanger health or the environment.

**2. Reporting Timeframes and Other Requirements**

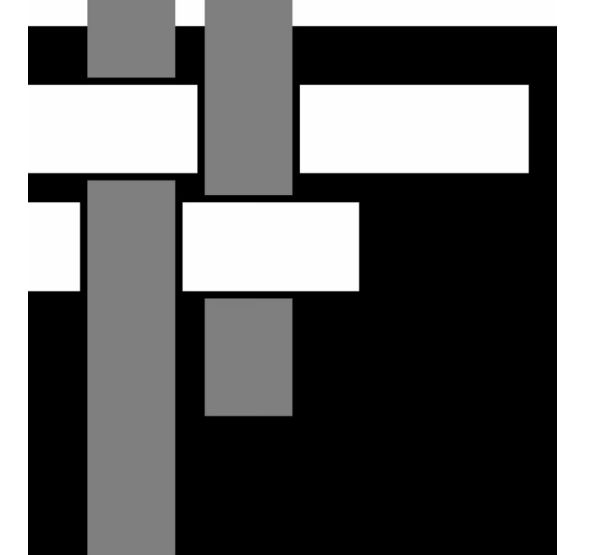
After a permittee becomes aware of an occurrence that must be reported, he shall contact the appropriate Division regional office within the timeframes and in accordance with the other requirements listed below. Occurrences outside normal business hours may also be reported to the Division's Emergency Response personnel at (800) 662-7956, (800) 858-0368 or (919) 733-3300.

Occurrence	Reporting Timeframes (After Discovery) and Other Requirements
(a) Visible sediment deposition in a stream or wetland	<ul style="list-style-type: none"> <li>• <b>Within 24 hours</b>, an oral or electronic notification.</li> <li>• <b>Within 7 calendar days</b>, a report that contains a description of the sediment and actions taken to address the cause of the deposition. Division staff may waive the requirement for a written report on a case-by-case basis.</li> <li>• If the stream is named on the <a href="#">NC 303(d) list</a> as impaired for sediment-related causes, the permittee may be required to perform additional monitoring, inspections or apply more stringent practices if staff determine that additional requirements are needed to assure compliance with the federal or state impaired-waters conditions.</li> </ul>
(b) Oil spills and release of hazardous substances per Item 1(b)-(c) above	<ul style="list-style-type: none"> <li>• <b>Within 24 hours</b>, an oral or electronic notification. The notification shall include information about the date, time, nature, volume and location of the spill or release.</li> </ul>
(c) Anticipated bypasses [40 CFR 122.41(m)(3)]	<ul style="list-style-type: none"> <li>• <b>A report at least ten days before the date of the bypass, if possible.</b> The report shall include an evaluation of the anticipated quality and effect of the bypass.</li> </ul>
(d) Unanticipated bypasses [40 CFR 122.41(m)(3)]	<ul style="list-style-type: none"> <li>• <b>Within 24 hours</b>, an oral or electronic notification.</li> <li>• <b>Within 7 calendar days</b>, a report that includes an evaluation of the quality and effect of the bypass.</li> </ul>
(e) Noncompliance with the conditions of this permit that may endanger health or the environment [40 CFR 122.41(l)(7)]	<ul style="list-style-type: none"> <li>• <b>Within 24 hours</b>, an oral or electronic notification.</li> <li>• <b>Within 7 calendar days</b>, a report that contains a description of the noncompliance, and its causes; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time noncompliance is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. [40 CFR 122.41(l)(6)].</li> <li>• Division staff may waive the requirement for a written report on a case-by-case basis.</li> </ul>

**NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING**

**EFFECTIVE: 04/01/19**

APPROVED CONSTRUCTION PLAN	
NAME	DATE
PLANNING _____	_____
TRAFFIC _____	_____
FIRE _____	_____

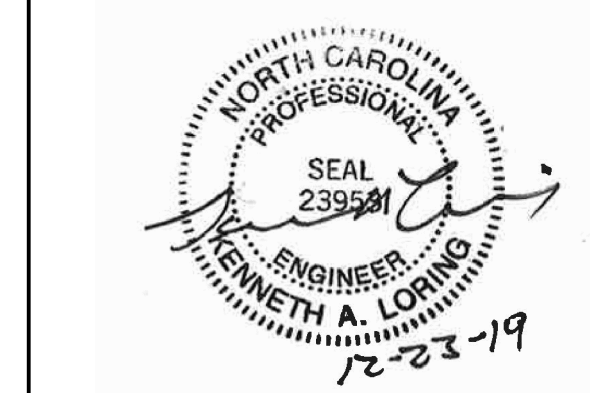


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& ASSOCIATE  
ARCHITECTURE**

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910 762-0892 s2a3.com



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Phone: 919.319.6716  
Fax: 919.319.7516  
LA: C-108 PE: C-1595



**MAIDES PARK  
GYMNASIUM  
ADDITION**  
1101 MANLY AVENUE  
Wilmington, NC, 28405

CITY OF WILMINGTON MINOR  
SITE PLAN SUBMITTAL  
12/23/2019

Revisions:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**DETAILS**

**C705**

**PLAN**  
WITH GRATE & FRAME REMOVED

**TOP ELEVATION**

**SECTION X-X**

**SECTION Y-Y**

**DOWEL**

DIMENSIONS OF BOX & PIPE				CUBIC YARDS		DEDUCTIONS FOR	
PIPE SPAN	WIDTH	HEIGHT	MIN.	CONC. IN BOX	PER PIPE	ONE PIPE	R.C.
12"	3'-0"	2'-0"	2'-0"	0.222	0.222	0.582	0.015
15"	3'-0"	2'-0"	2'-3"	0.222	0.222	0.646	0.023
18"	3'-0"	2'-0"	2'-6"	0.222	0.222	0.703	0.033
24"	3'-0"	2'-0"	3'-0"	0.222	0.222	0.814	0.059
30"	3'-0"	2'-0"	3'-6"	0.222	0.222	0.925	0.127

**GENERAL NOTES:**  
 USE CLASS "B" CONCRETE THROUGHOUT.  
 PROVIDE ALL DROP INLETS OVER 3'-6" IN DEPTH WITH STEPS 15" ON CENTER. USE STEPS WHICH COMPLY WITH STD. DRAWING 840-66.  
 OPTIONAL CONSTRUCTION - MONOLITHIC POUR 2" KEYWAY OR #4 BAR DOMELS AT 15" CENTERS AS DIRECTED BY THE ENGINEER.  
 USE FORMS FOR THE CONSTRUCTION OF THE BOTTOM SLAB.  
 IF REINFORCED CONCRETE PIPE IS SET IN BOTTOM SLAB OF BOX, ADD TO SLAB AS SHOWN ON STD. NO. 840-50.  
 CONSTRUCT WITH PIPE JOINTS MATCHING.  
 SEE STANDARD DRAWING 840-25 FOR ATTACHMENT OF FRAMES AND GRATES NOT SHOWN.  
 INSTALL 2" WEEPHOLES AS DIRECTED BY THE ENGINEER.  
 INSTALL STONE DRAINS, OF A MINIMUM OF 1 CUBIC FOOT OF NO. 70M STONE IN A POROUS FABRIC BAG OR BASK, AT EACH WEEP HOLE OR AS DIRECTED BY THE ENGINEER.  
 CHAMFER ALL EXPOSED CORNERS 1".  
 DRAWING NOT TO SCALE.

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR CONCRETE DROP INLET 12" THRU 30" PIPE

SHEET 1 OF 1  
**840.14**

**SECTION G-G**

**SECTION H-H**

**PLAN OF GRATING**

**SECTION E-E**

**SECTION F-F**

**PLAN OF FRAME**

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR DROP INLET FRAME AND GRATES FOR USE WITH STD. DWG.S 840.14 AND 840.15

SHEET 1 OF 1  
**840.16**

NCDOT DETAILS

**PLAN**

**SECTION A-A**

FINISH AS GRADED  
 STD. CITY OF WILMINGTON M.H. COVER, SEE DETAIL SHEET SD-14-01 & 14-02  
 3/4" CEMENT PLASTER  
 MAX. CORBEL 1" PER COURSE  
 STEPS  
 VARIES - SEE PLAN / PROFILE

**FIG. 1**  
CLASS - C  
SHAPED BOTTOM  
LOAD FACTOR 1.5

HAND SHAPED FROM FIRM UNDISTURBED SOIL

**FIG. 2**  
CLASS - C  
SHAPED BOTTOM  
LOAD FACTOR 1.5

HAND SHAPED FROM ANGULAR BEDDING MATERIAL

**FIG. 3**  
CLASS - B  
LOAD FACTOR 1.9

HAND SHAPED FROM UNDISTURBED FIRM SOIL

**FIG. 3**  
CLASS - B  
LOAD FACTOR 1.9

COMPACTED BACKFILL

STANDARD DETAIL

DATE: 2001

DRAWN BY JSR/CMR

CHECKED BY B.P., P.E.

SCALE NOT TO SCALE

**CITY OF WILMINGTON**  
NORTH CAROLINA  
CITY OF WILMINGTON ENGINEERING  
PO BOX 1810  
WILMINGTON, NC 28402  
(910) 341-7807

**SD 2-03**

STANDARD DETAIL

DATE: 2001

DRAWN BY JSR/CMR

CHECKED BY B.P., P.E.

SCALE NOT TO SCALE

**CITY OF WILMINGTON**  
NORTH CAROLINA  
CITY OF WILMINGTON ENGINEERING  
PO BOX 1810  
WILMINGTON, NC 28402  
(910) 341-7807

**SD 2-17**

CITY OF WILMINGTON DETAILS

**CITY OF WILMINGTON**  
NORTH CAROLINA

Public Services • Engineering Division  
APPROVED STORMWATER MANAGEMENT PLAN

Date: \_\_\_\_\_ Permit # \_\_\_\_\_

Signed: \_\_\_\_\_

APPROVED CONSTRUCTION PLAN	
NAME	DATE
PLANNING _____	_____
TRAFFIC _____	_____
FIRE _____	_____

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LA: C-108 PE: C-1595

**MAIDES PARK GYMNASIUM ADDITION**  
1101 MANLY AVENUE  
Wilmington, NC, 28405

CITY OF WILMINGTON MINOR SITE PLAN SUBMITTAL  
12/23/2019

Revisions:

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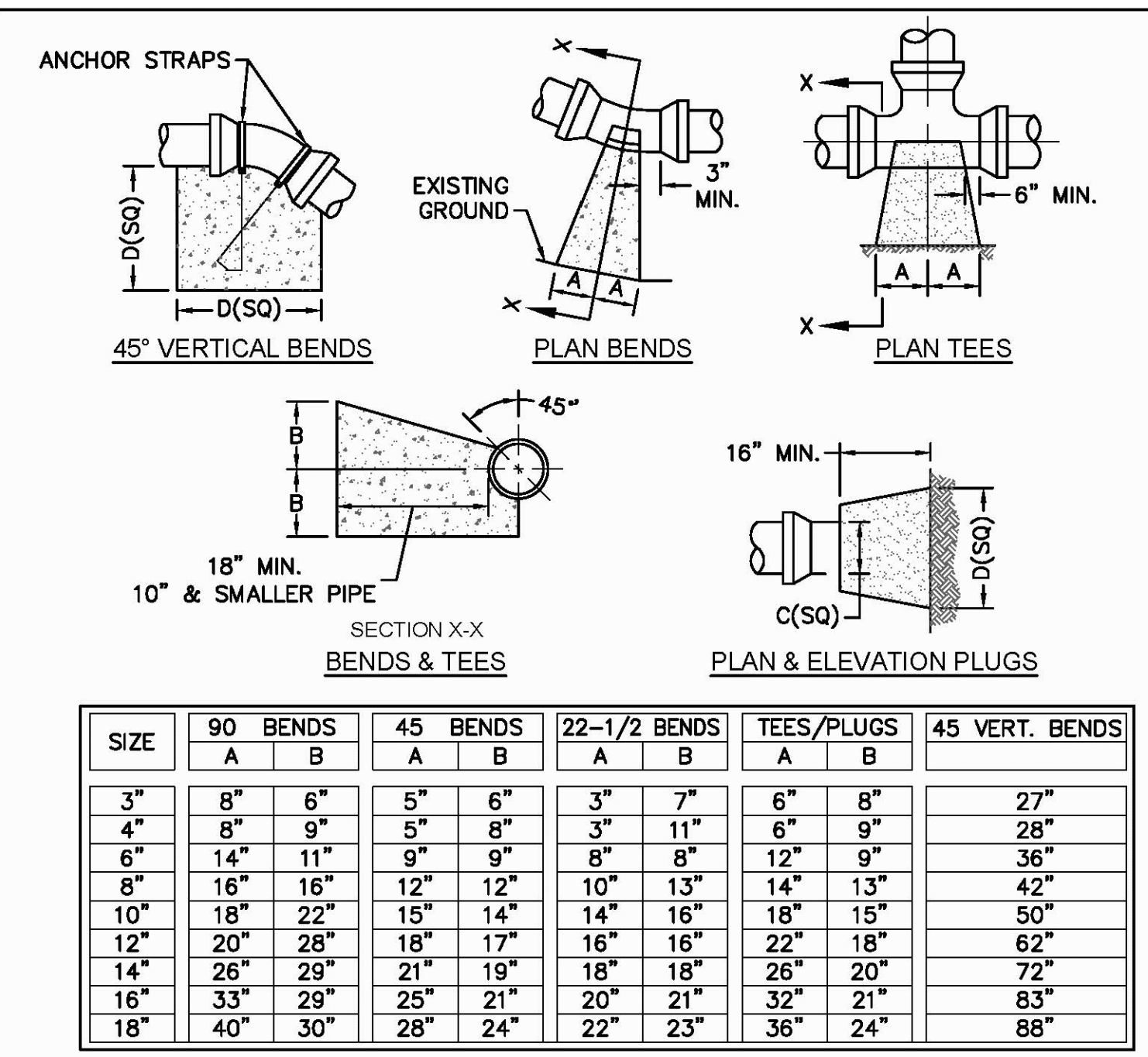
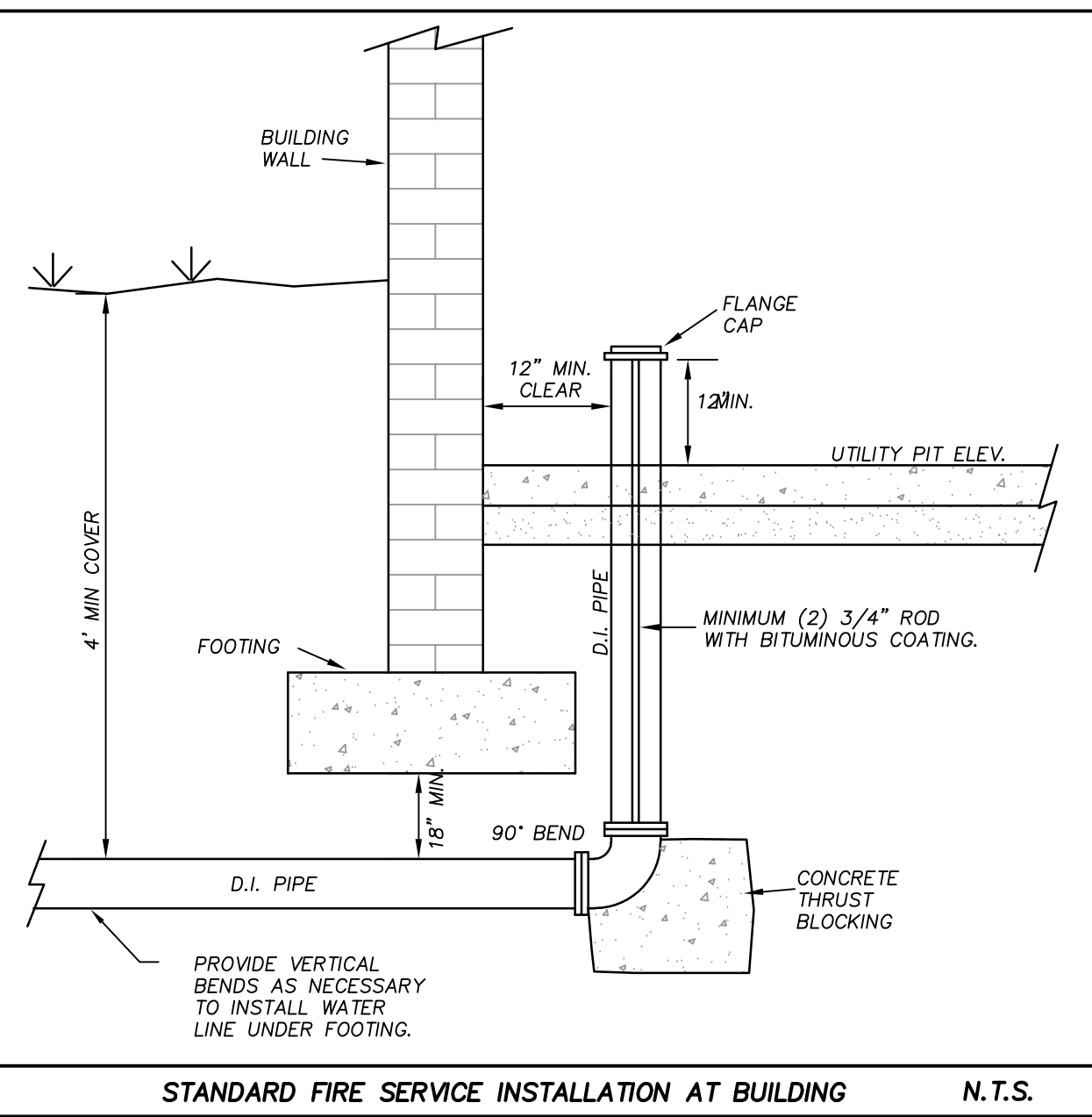
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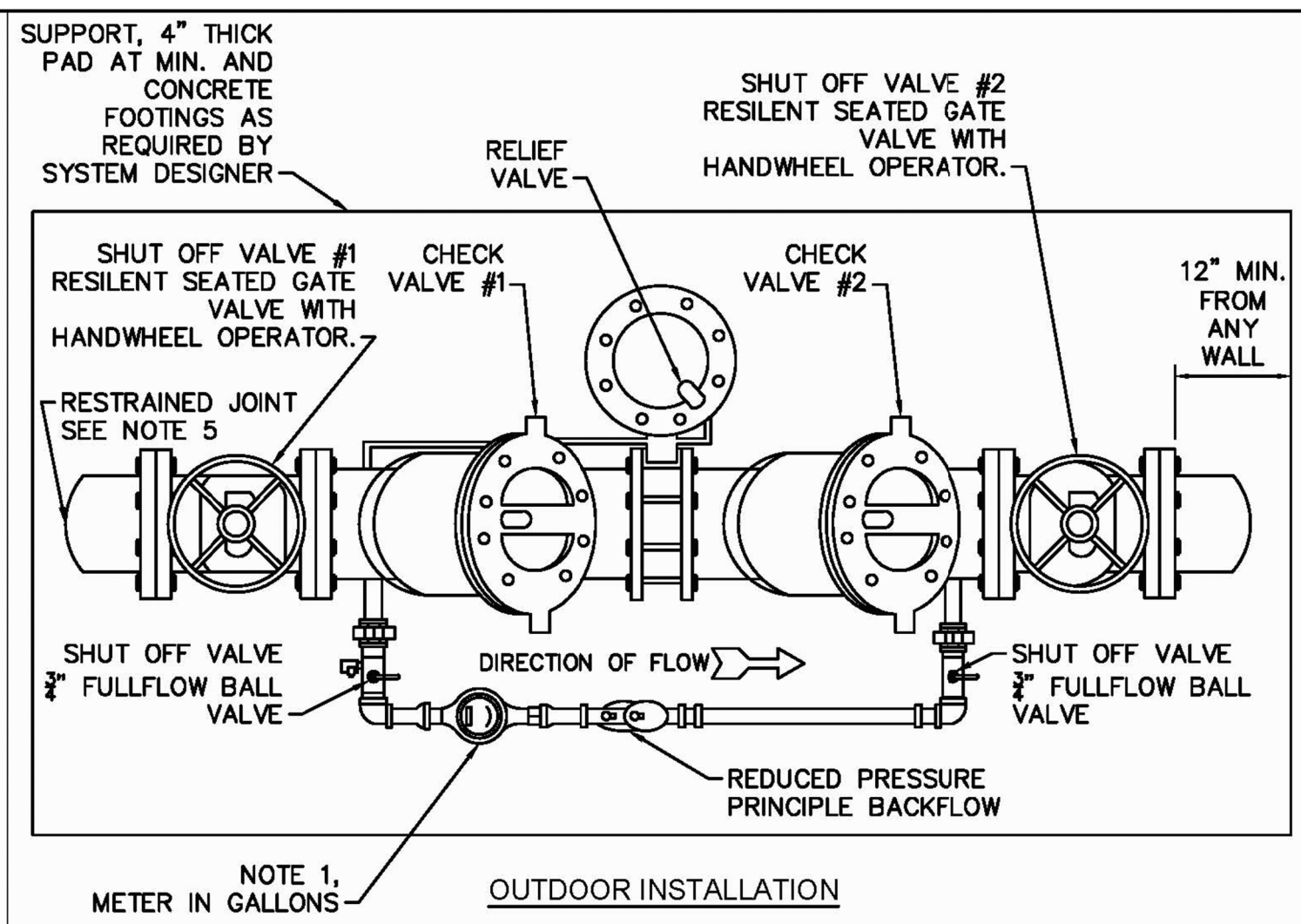
DETAILS

C706



**CAPE FEAR PUBLIC UTILITY AUTHORITY STANDARD NOTES:**

- ALL PROPOSED ADDITIONS TO THE CAPE FEAR PUBLIC UTILITY AUTHORITY (CFPUA) WATER DISTRIBUTION AND SANITARY SEWER COLLECTION SYSTEMS, AS SHOWN AND SPECIFIED HEREIN, SHALL BE DESIGNED AND CONSTRUCTED TO CONFORM TO STATE RULES AND THE CFPUA'S MINIMUM TECHNICAL STANDARDS. THE CFPUA MINIMUM TECHNICAL STANDARDS ARE CONTAINED IN THE CURRENT DESIGN GUIDANCE MANUAL, MATERIAL SPECIFICATION MANUAL, TECHNICAL SPECIFICATIONS FOR CONSTRUCTION, AND STANDARD DRAWING DETAILS.
- SEWER GUARDS REQUIRED AT ALL MANHOLES. STAINLESS STEEL SEWER GUARDS REQUIRED AT MANHOLES LOCATED IN TRAFFIC AREAS.
- WATER AND SEWER SERVICES SHALL BE PERPENDICULAR TO MAIN AND TERMINATE 18" INSIDE RIGHT-OF-WAY LINE. SEWER SERVICES IN CUL-DE-SACS ARE REQUIRED TO BE PERPENDICULAR, OR MUST ORIGINATE IN END OF LINE MANHOLE AND TERMINATE 18" INSIDE RIGHT-OF-WAY LINE. ALL SEWER SERVICES CONNECTING INTO DUCTILE IRON MAINS SHALL ALSO BE CONSTRUCTED OF DIP.
- MINIMUM 10' UTILITIES EASEMENT PROVIDED ALONG THE FRONTAGE OF ALL LOTS AND AS SHOWN FOR NEW DEVELOPMENTS.
- NO FLEXIBLE COUPLINGS SHALL BE USED.
- ALL STAINLESS STEEL FASTENERS SHALL BE TYPE 316.
- CLEANOUTS SHALL BE LOCATED A MINIMUM OF 12 FEET FROM ALL PROPERTY CORNERS.
- WATER METER BOXES ARE TO BE A MINIMUM OF 5 FEET FROM THE PROPERTY CORNER.
- UNUSED SERVICES SHALL BE ABANDONED. ABANDONED WATER SERVICES SHALL BE DISCONNECTED FROM MAIN.
- A MINIMUM OF 10' OF MAIN LINE SHALL BE REPLACED FOR NEW CONNECTIONS TO EXISTING CLAY GRAVITY SEWER MAINS.



**NOTES:**

- FIRE SERVICE BACKFLOW ASSEMBLIES MUST BE CFPUA APPROVED.
- ABOVE GROUND REDUCED PRESSURE DETECTOR ASSEMBLIES (RPDA) PER CFPUA STANDARDS.
- 4"-10" RPDA SHALL BE SUPPORTED WITH ADEQUATE SUPPORT PEDESTAL(S).
- OUTDOOR INSTALLATION SHALL HAVE A PROTECTIVE ENCLOSURE PER CFPUA STANDARDS.
- MAIN LINE 2 1/2" TO 3" BRASS, K-COPPER OR GALVANIZED PIPE, 4" TO 10" DIP. RESTRAINED JOINTS SHALL BE FLANGED OR APPROVED EQUAL.
- CFPUA APPROVED 2 1/2" - 10" RPDA INCLUDES SHUT OFF VALVES #1 AND #2. AS PART OF THE ASSEMBLY. NO SUBSTITUTIONS SHALL BE PERMITTED.
- TEST COCK #1 SHALL BE UPSTREAM OF SHUT OFF VALVE #1 AND IS PART OF THE APPROVED ASSEMBLY.
- MUST COMPLETE CFPUA'S BACKFLOW INSTALLATION FORM. CONTACT COMMUNITY COMPLIANCE AT 910-332-6558 OR EMAIL COMMUNITY.COMPLIANCE@CFPUA.ORG.
- ONLY IN-LINE TESTABLE ASSEMBLIES APPROVED BY THE USC FOUNDATION FOR CROSS CONNECTION CONTROL OR ASSE SHALL BE ACCEPTED.

**NOTES:**

- THRUST BLOCKING IS NOT PERMITTED EXCEPT IN SPECIAL INSTALLATIONS WHERE DESIGNED BY ENGINEER AND APPROVED BY CFPUA.
- ALLOW 7-DAY MINIMUM CONCRETE CURE TIME BEFORE PLACING LOAD ON THRUST BLOCK.
- BASED ON 160 PSI TEST PRESSURE AND 2,000 PSF SOIL BEARING CAPACITY.
- ALL BEARING SURFACES TO BE CARRIED TO UNDISTURBED GROUND.
- PIPE & FITTINGS TO BE WRAPPED IN 10 MIL PLASTIC PRIOR TO THRUST BLOCK BEING POURED.

DETAIL: THRUST BLOCK  
SCALE: NOT TO SCALE  
CFPUA REV. No. 1  
01/01/19

CAPE FEAR PUBLIC UTILITY AUTHORITY  
235 GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403  
OFFICE: (910)332-6550

DETAIL NO: WS-13  
SHEET NO: -

DETAIL: STANDARD NOTES  
(REQUIRED ON ALL PLAN AND PROFILE SHEETS)

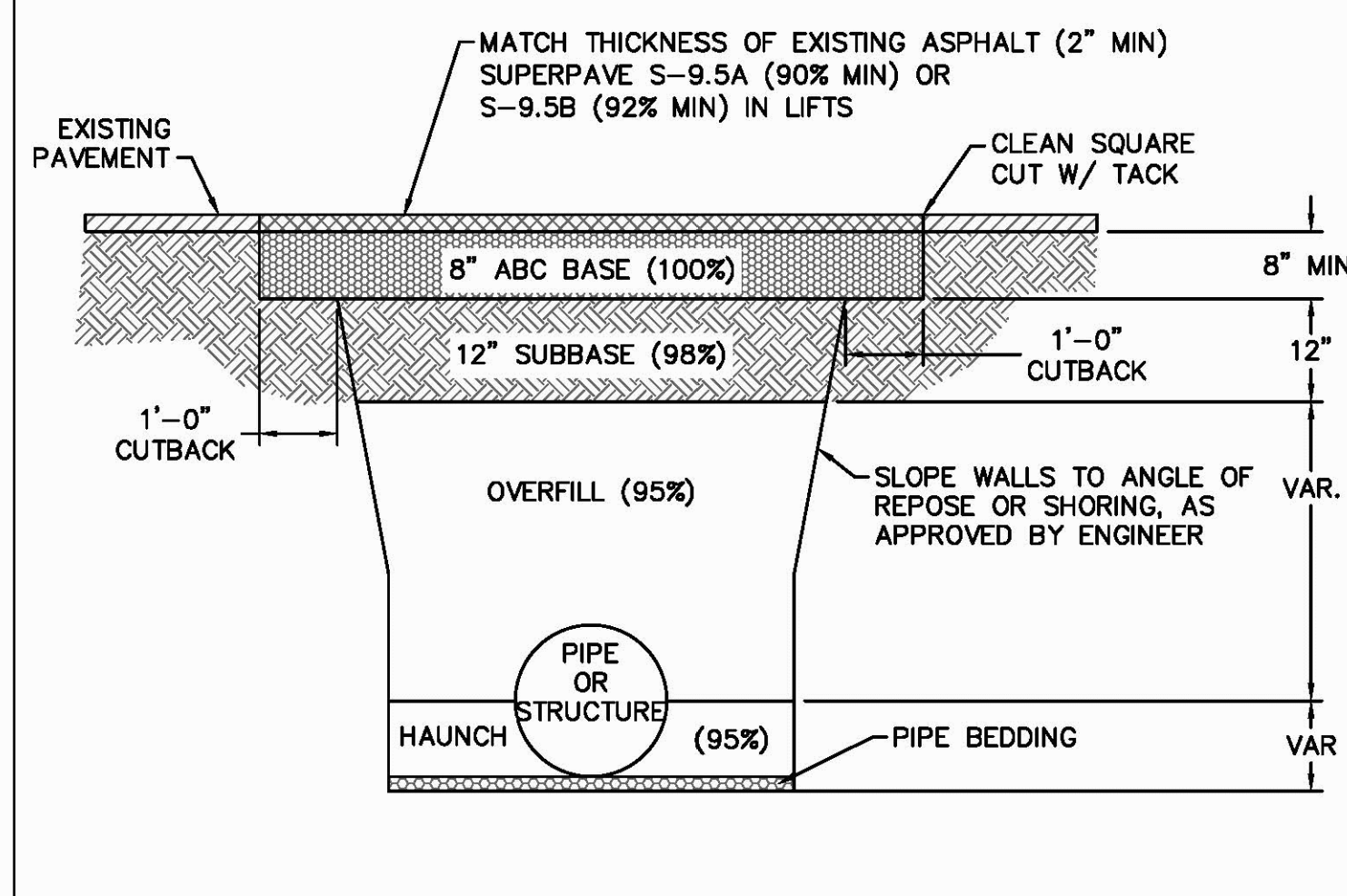
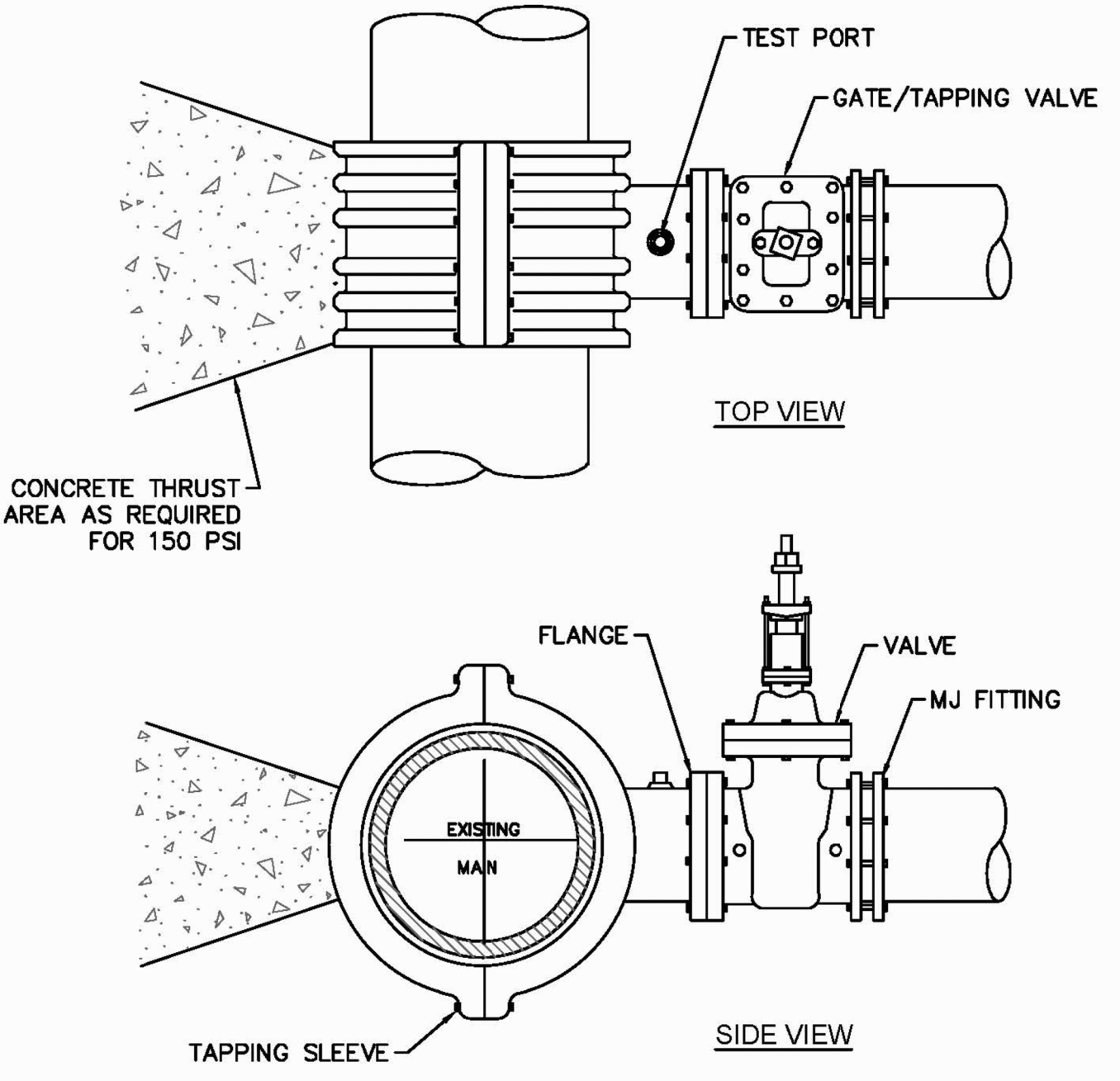
CAPE FEAR PUBLIC UTILITY AUTHORITY  
235 GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403  
OFFICE: (910)332-6550

DETAIL NO: WS-14  
SHEET NO: -

DETAIL: FIRE SERVICE REDUCED PRESSURE DETECTOR ASSEMBLY

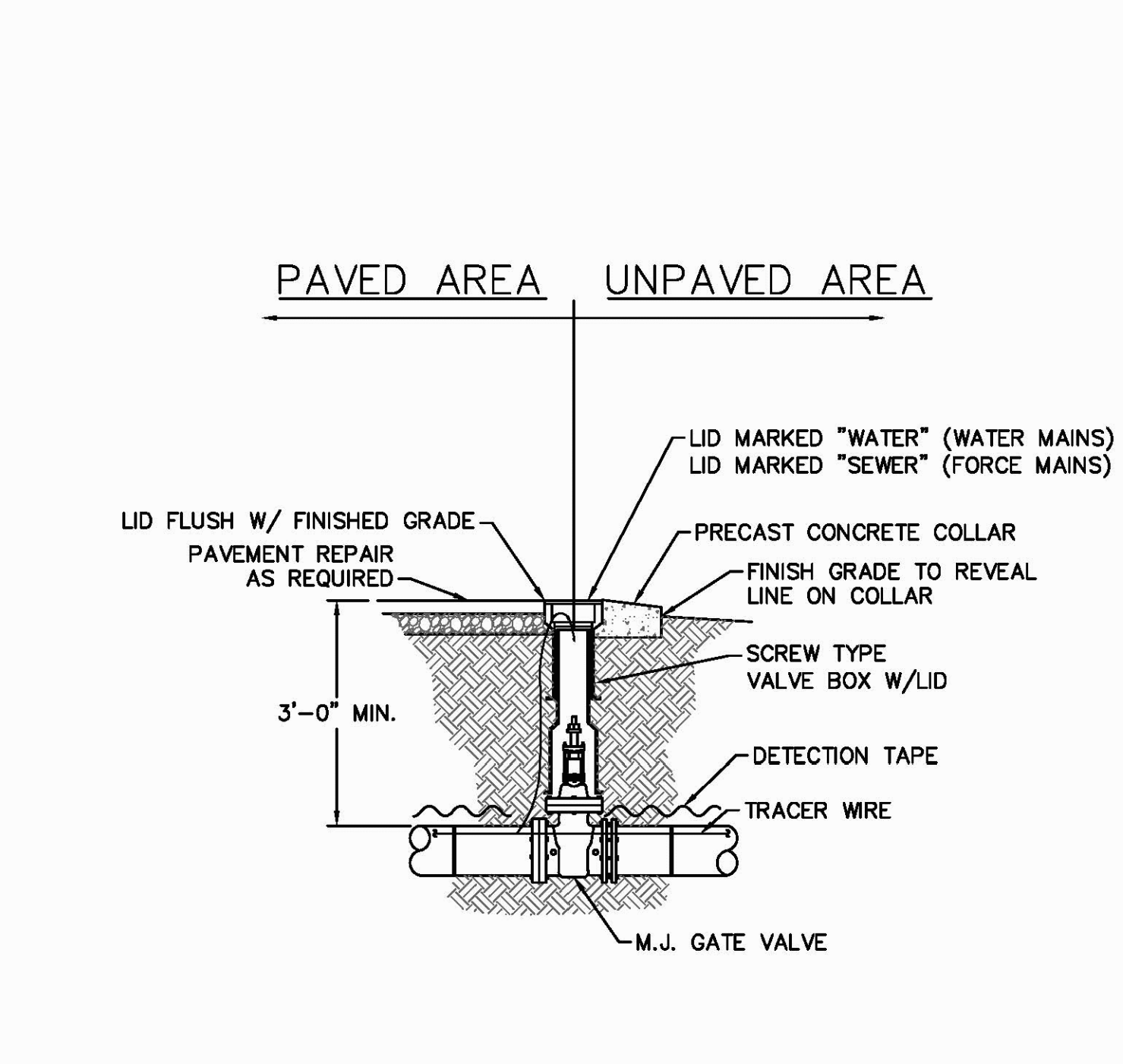
CAPE FEAR PUBLIC UTILITY AUTHORITY  
235 GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403  
OFFICE: (910)332-6550

DETAIL NO: EM-6  
SHEET NO: -



**NOTES:**

- CONTRACTOR SHALL ENSURE BOTTOM OF TRENCH IS SUITABLE FOR INSTALLATION AND DOES NOT REQUIRE FOUNDATION CONDITIONING STONE.
- FILL SHALL BE SUITABLE MATERIAL THAT IS FREE FROM HEAVY CLAY, GUMBOS, DEBRIS, ORGANICS AND LITTLE TO NO EXCESSIVE MOISTURE.
- SELECT BACKFILL MAY BE SUBSTITUTED OR REQUIRED BY CITY TO ACHIEVE COMPACTION, (I.E. #57 STONE, ABC, CRUSHED LIMESTONE, CLEAN SAND, FLOWABLE FILL, ETC).
- SOIL SHALL BE INSTALLED IN 6"-8" LIFTS AND COMPACTED BY A MECHANIZED TAMPER (I.E. JUMPING JACK). HOWEVER, VIBRATORY ROLLERS > 18" WIDTH MAY BE USED FOR LARGER EXCAVATIONS. THE PLATE TAMP METHOD SHALL NOT BE USED.
- ALL APPROVED CASTINGS SHALL BE SET FLUSH TO GRADE AND SUPPORTED IF APPLICABLE.
- COMPACT MATERIALS TO MINIMUM % DENSITY SHOWN IN DIAGRAM AS DETERMINED BY THE STANDARD PROCTOR METHOD ASTM D-698-A FOR SOILS, AND ASTM D-698-C FOR ABC STONE, AND BY NUCLEAR GAGE OR CORE SAMPLE FOR ASPHALT.
- CUTBACKS OF ASPHALT SHALL BE PREPARED ON EDGE OF EXCAVATION OVER TOP OF UNDISTURBED SOIL.



**NOTES:**

- TRACER WIRE SHALL PENETRATE VALVE BOX THROUGH DRILLED HOLE APPROX. 6" BELOW GRADE WITH MINIMUM 2'-FEET EXTRA LENGTH COILED IN THE VALVE BOX. SEE WS-6.

(FOR PRIVATE ROADS AND PAVED AREAS, CONTRACTOR TO MEET MINIMUM REQUIREMENTS AS DEFINED BY RIGHT-OF-WAY OWNER FOR PUBLIC ROAD REPAIRS)

DETAIL: CITY OF WILMINGTON PAVEMENT REPAIRS-UTILITY CUTS

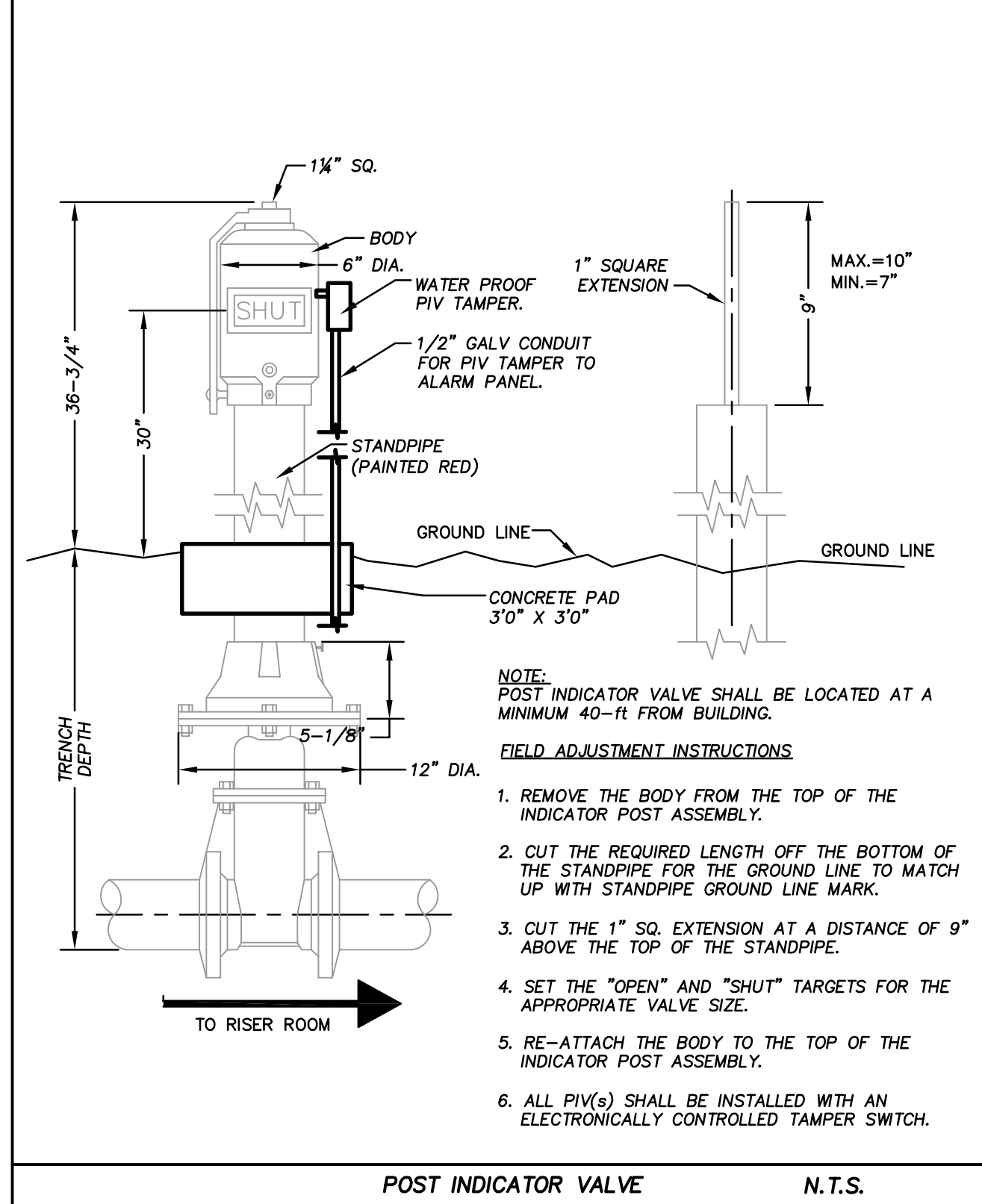
CITY OF WILMINGTON  
235 GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403  
OFFICE: (910)332-6550

DETAIL NO: WS-1  
SHEET NO: -

DETAIL: VALVE DETAIL

CAPE FEAR PUBLIC UTILITY AUTHORITY  
235 GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403  
OFFICE: (910)332-6550

DETAIL NO: WS-5  
SHEET NO: -



**NOTE:** POST INDICATOR VALVE SHALL BE LOCATED AT A MINIMUM 40'-ft FROM BUILDING.

**FIELD ADJUSTMENT INSTRUCTIONS**

- REMOVE THE BODY FROM THE TOP OF THE INDICATOR POST ASSEMBLY.
- CUT THE REQUIRED LENGTH OFF THE BOTTOM OF THE STANDPIPE FOR THE GROUND LINE TO MATCH UP WITH STANDPIPE GROUND LINE MARK.
- CUT THE 1" SQ. EXTENSION AT A DISTANCE OF 9" ABOVE THE TOP OF THE STANDPIPE.
- SET THE "OPEN" AND "SHUT" TARGETS FOR THE APPROPRIATE VALVE SIZE.
- RE-ATTACH THE BODY TO THE TOP OF THE INDICATOR POST ASSEMBLY.
- ALL PIV(S) SHALL BE INSTALLED WITH AN ELECTRONICALLY CONTROLLED TAMPER SWITCH.

DETAIL: TAPPING SLEEVE AND VALVE ASSEMBLY (4"-24")

CAPE FEAR PUBLIC UTILITY AUTHORITY  
235 GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403  
OFFICE: (910)332-6550

DETAIL NO: WS-9  
SHEET NO: -

DETAIL: TAPPING SLEEVE AND VALVE ASSEMBLY (4"-24")

CAPE FEAR PUBLIC UTILITY AUTHORITY  
235 GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403  
OFFICE: (910)332-6550

DETAIL NO: WS-9  
SHEET NO: -

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LA: C-108 PE: C-1595



**MAIDES PARK GYMNASIUM ADDITION**  
1101 MANLY AVENUE  
Wilmington, NC, 28405

CITY OF WILMINGTON MINOR SITE PLAN SUBMITTAL  
12/23/2019

Revisions:

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**APPROVED CONSTRUCTION PLAN**

NAME \_\_\_\_\_ DATE \_\_\_\_\_

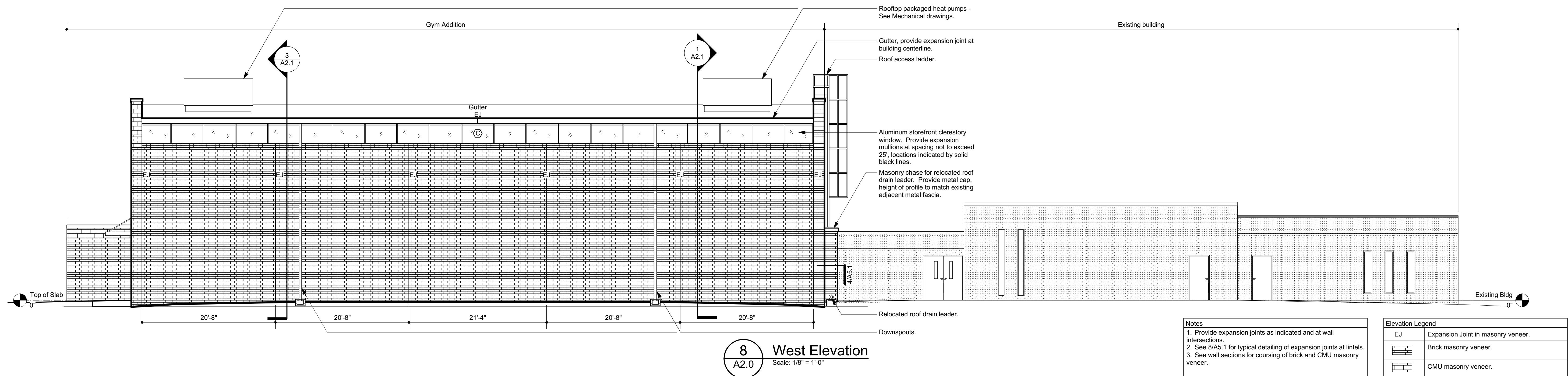
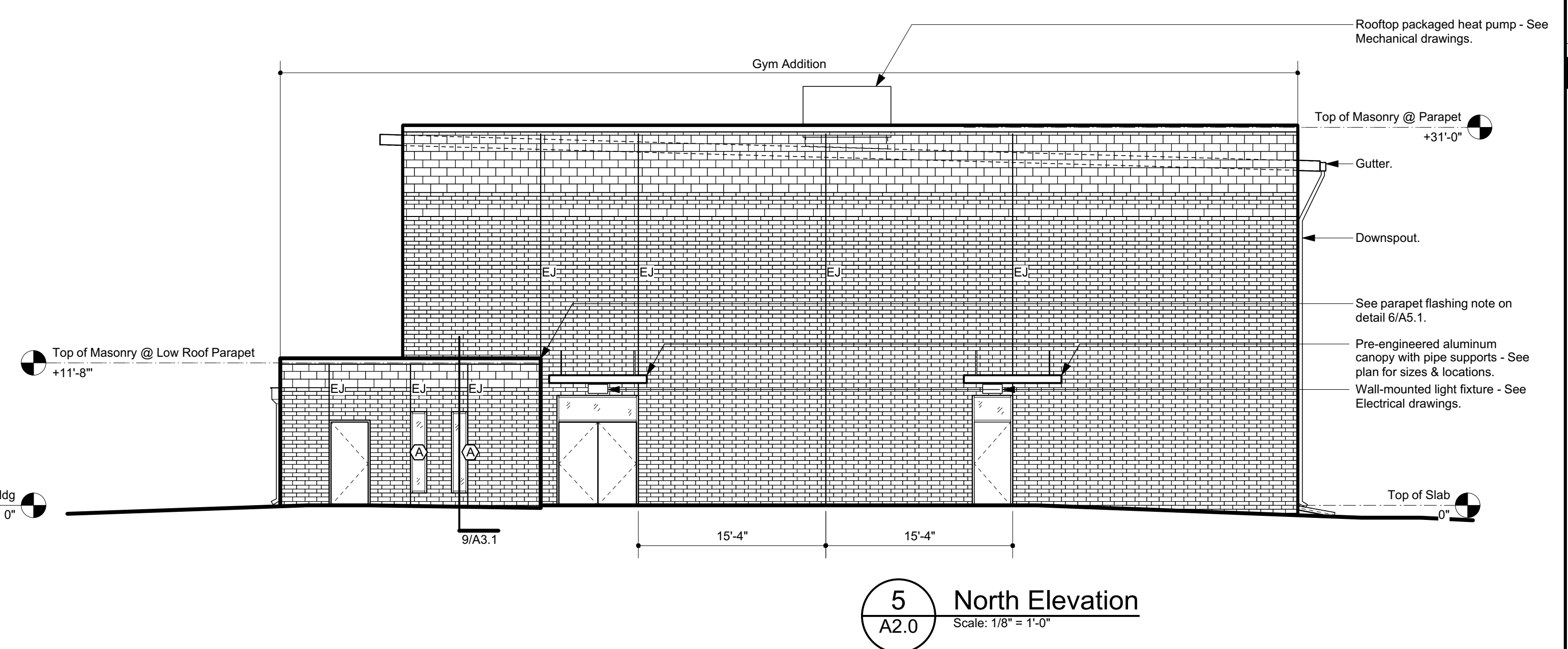
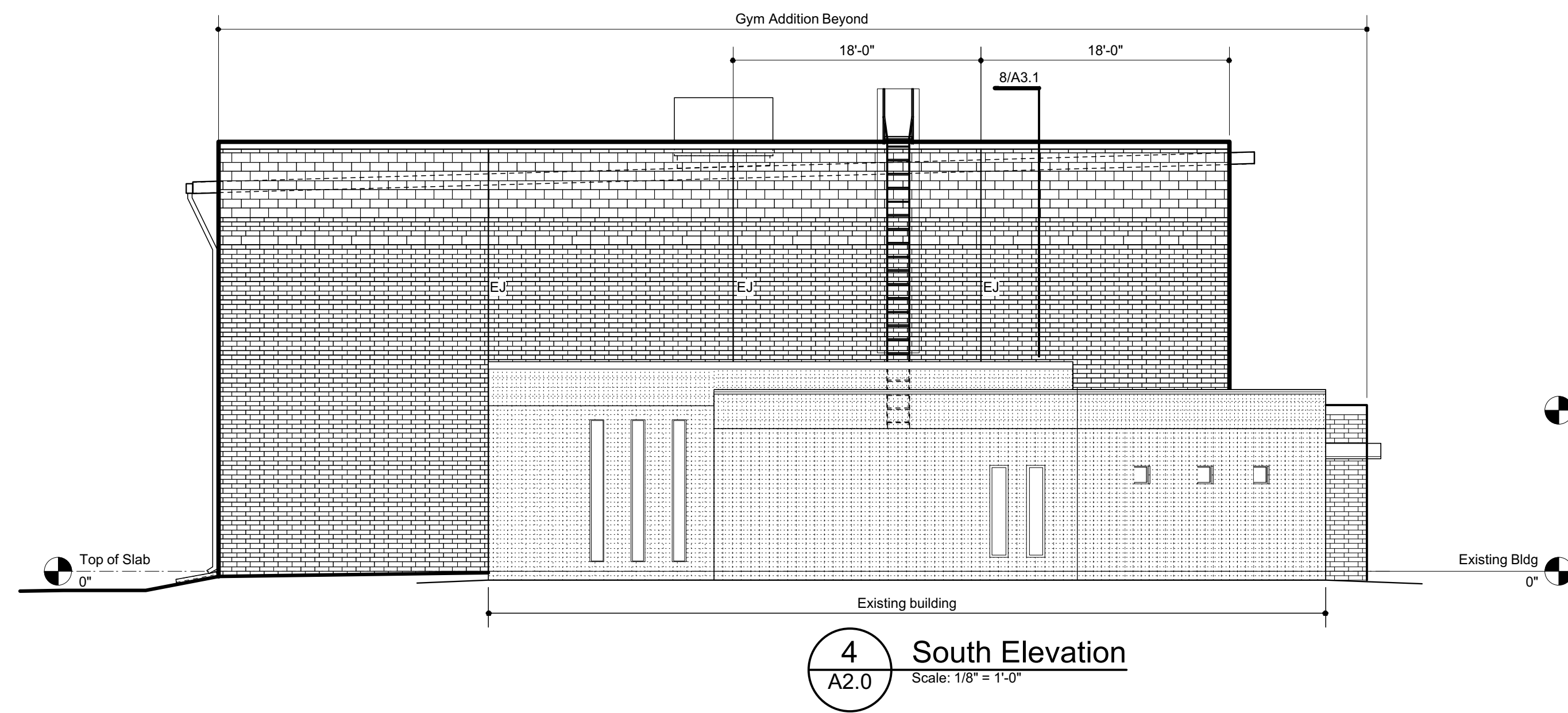
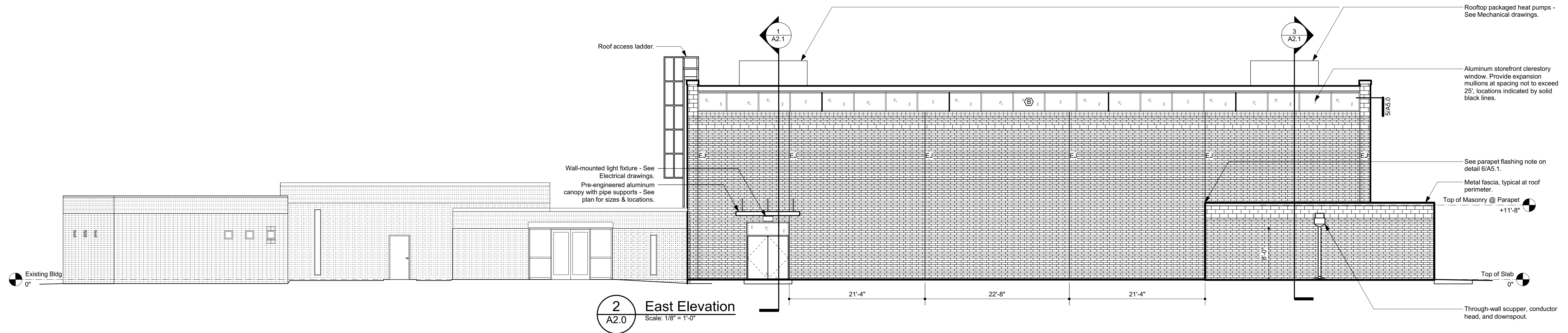
PLANNING \_\_\_\_\_

TRAFFIC \_\_\_\_\_

FIRE \_\_\_\_\_

**C707**

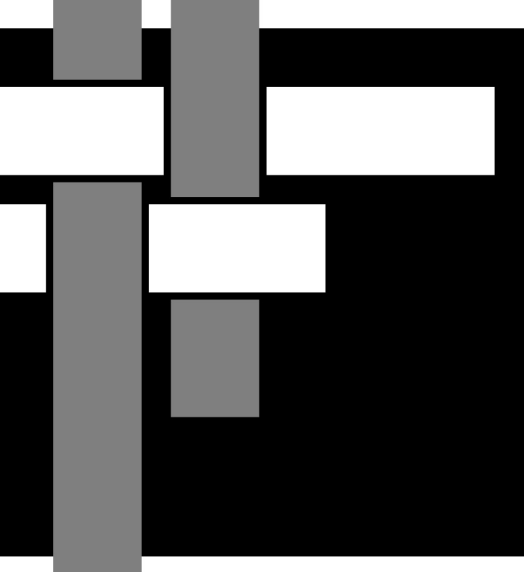
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Notes

1. Provide expansion joints as indicated and at wall intersections.
2. See 8/A5.1 for typical detailing of expansion joints at lintels.
3. See wall sections for coursing of brick and CMU masonry veneer.

Elevation Legend	
EJ	Expansion Joint in masonry veneer.
	Brick masonry veneer.
	CMU masonry veneer.



**SAWYER  
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Fax: (919) 318-7516  
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P.E. G-1595

**WOODS ENGINEERING**  
Consulting Structural Engineers

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Wilmington, NC 28401 www.woodseng.com

**CHEATHAM AND ASSOCIATES  
CONSULTING ENGINEERS**  
3412 ENTERPRISE DRIVE  
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PHONE: (910) 343-4211  
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OFFICE: 3412 ENTERPRISE DRIVE  
WWW.CHEATHAMANDASSOCIATES.COM  
NORTH CAROLINA PROFESSIONAL  
ENGINEERING LICENSE # 17018



**Gymnasium  
Addition at the  
Derick G.S. Davis  
Community  
Center**

1101 Manly Avenue  
Wilmington, NC 28405

Construction Documents  
November 13, 2019

Revisions:


Building  
Elevations

**A2.0**

4 of 10

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