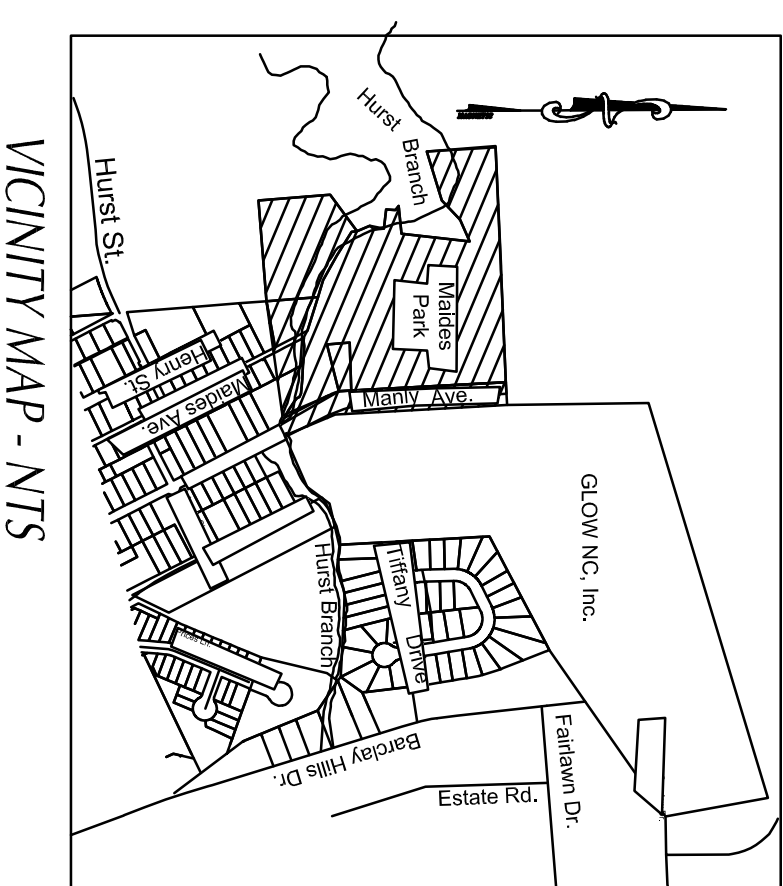


CITY OF WILMINGTON NOTES

1. PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING SHALL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES. NO CONSTRUCTION OR STORAGE OF MATERIALS SHALL BE ALLOWED WITHIN THE PROTECTION FENCING.
2. ANY TREES AND/OR AREAS PRESERVED TO BE PROTECTED MUST BE PROPERLY WATERED, MOWED AND PROTECTED THROUGHOUT CONSTRUCTION TO INSURE THAT NO DISEASES, GRUBS, WEEDS OR INSECTS ARE INTRODUCED INTO THE PROTECTION FENCING.
3. NO EQUIPMENT IS ALLOWED ON SITE UNTIL ALL TREE PROTECTION FENCING AND SIGN FENCING IS INSTALLED AND APPROVED. PROTECTIVE FENCING IS TO BE MAINTAINED THROUGHOUT THE PROTECTION FENCING. CONTRACTORS SHALL RECEIVE ADEQUATE INSTRUCTION ON TREE PROTECTION METHODS, AND CONTRACTORS SHALL RECEIVE ADEQUATE INSTRUCTION ON TREE PROTECTION METHODS.
4. ALL PARKING MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE MAINTAINED THROUGHOUT CONSTRUCTION.
5. ONCE STREETS ARE OPEN TO TRAFFIC, CONTACT TRAFFIC ENGINEERING REGARDING THE PROTECTION FENCING AND SIGN FENCING. CONTACT TRAFFIC ENGINEERING FOR APPROVAL OF SIGN FENCING AND PROTECTED THROUGHOUT CONSTRUCTION TO INSURE THAT NO DISEASES, GRUBS, WEEDS OR INSECTS ARE INTRODUCED INTO THE PROTECTION FENCING.
6. TRAFFIC CONTROL DEVICES (INCLUDING SIGNS AND PARKING MARKINGS) IN AREAS OPEN TO TRAFFIC SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
7. CONTACT TRAFFIC ENGINEERING AT 910.341.7888 TO ENSURE THAT ALL TRAFFIC SIGNAL FACILITIES AND EQUIPMENT ARE SHOWN ON THE PLAN.
8. CALL TRAFFIC ENGINEERING AT 910.341.7888 FORTY-EIGHT (48) HOURS PRIOR TO ANY EXPANSION IN THE RIGHT-OF-WAY.
9. TRAFFIC ENGINEERING MUST APPROVE OF PARKING MARKINGS PRIOR TO ACTUAL STRIPING.
10. ALL PARKING STILL MARKINGS AND LANE MARKINGS WITH THE PARKING AREAS SHALL BE MAINTAINED BY THE PROPERTY OWNER.
11. ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT-OF-WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER.
12. STOP SIGNS AND STREET SIGNS TO REMAIN IN PLACE DURING CONSTRUCTION.
13. TRAFFIC MARKING MATS WILL BE INSTALLED ON ALL WHEELCHAIR RAMP.
14. A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET.
15. ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS & CURBING WILL BE REPAIRED.
16. CONTACT TRAFFIC ENGINEERING AT 910.341.7888 TO DISCUSS STREET LIGHT OPTIONS, DETAILS AND SPECIFICATIONS.
17. WATER AND SEWER SERVICE SHALL MEET CARE-FEAR PUBLIC UTILITY AUTHORITY (CPUA) DETAILS AND SPECIFICATIONS.
18. PROJECT SHALL COMPLY WITH CPUA CROSS CONNECTION CONTROL REQUIREMENTS. WATER METERS SHALL BE INSTALLED UNTIL ALL REQUIREMENTS ARE MET AND THE STATE HAS GIVEN THEIR FINAL APPROVAL. CALL 910.341.5970 FOR INFORMATION.
19. IF THE CONTRACTOR DESIGNS CPUA 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. APPROVED DEVICES BY DISCOSCOPE OR ASS.
20. ANY BACKFLOW PREVENTION DEVICES REQUIRED BY CPUA WILL NEED TO BE ON THE LIST OF APPROVED DEVICES BY DISCOSCOPE OR ASS.
21. CONTRACTOR TO FIELD KEYWAY EXISTING WATER AND SEWER SERVICE LOCATIONS, SIZES AND EXPANSION IN THE RIGHT-OF-WAY.
22. CONTRACTOR SHALL MAINTAIN ALL-WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION.
23. UNDERGROUND FIRE LINES 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 910.341.0808.
24. NO OBSTRUCTIONS ARE PERMITTED IN THE SPACE BETWEEN THIRTY (30) INCHES AND TEN (10) FEET ABOVE THE GROUND WITHIN THE TRIANGULAR SHORT DISTANCE.
25. CONTACT THE NORTH CAROLINA ONE-CALL CENTER AT 1.800.352.4849 PRIOR TO DOWING ANY SERVICE DURING OR BEFORE.
26. ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT-OF-WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MDOT STANDARDS.
27. A LANDSCAPE 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.
28. REMOVING OF BUSINESS IDENTIFICATION SIGNAGE IS A SEPARATE PROCESS. MDOT/CITY OF WILMINGTON WILL NOT ALLOW OBSTRUCTIONS WITHIN THE RECORDING OF THE TRIANGULAR SHORT DISTANCE AND WITHIN THE RECORDING OF THE FINAL PLAN.
29. ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT-OF-WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MDOT STANDARDS.
30. ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT-OF-WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MDOT STANDARDS.
31. ALL PARKING STILL MARKINGS AND LANE MARKINGS WITHIN THE PARKING AREAS SHALL BE MAINTAINED BY THE PROPERTY OWNER.
32. A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET. NOTE THIS ON THE PLAN AND CONTACT 341-7888 FOR MORE DETAILS. IN CERTAIN CASES AN ENGINEER'S SIGNATURE OF THE PLAN DESIGNER MAY BE REQUIRED.
33. ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS AND CURBING WILL BE REPAIRED.
34. CONTACT TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXPANSION IN THE RIGHT OF WAY.



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SITE DATA

PROJECT:	MAIDES PARK GYMNASIUM ADDITION
OWNER:	CITY OF WILMINGTON
DESIGNER/APPLICANT:	PAUL GREY
CONTACT:	PLANNING & FORESTRY MANAGER COMMUNITY SERVICES, PARKS AND RECREATION DIVISION 1702 BARRETT BOULEVARD WILMINGTON, NC 28405 910-341-7818 CITY OF WILMINGTON, NC
DESIGNER:	CLH DESIGN PA 400 REGENCY FOREST DR., STE. 120 CARY, NC 27518 PHONE: 919-319-6716 FAX: 919-319-5170
DESIGNER CONTACT:	PAUL GREY 1702 BARRETT BOULEVARD WILMINGTON, NC 28405 PHONE: 919-319-6716 FAX: 919-319-5170
PROJECT ADDRESS:	101 MANLY AVE WILMINGTON, NC 28405
TAX PARCEL:	1712-01-0000
ZONING:	R-10
OPERARY DISTRICT:	NONE
EXISTING USE:	MUNICIPAL PARK & RECREATION AREA
PROPOSED USE:	MUNICIPAL PARK & RECREATION AREA
TRACT AREA:	57,153 SF (1.32 ACRES)
PROJECT BOUNDARY:	48,868 SF (1.11 ACRES)
FLOORPLAN:	SITE IS NOT WITHIN A FLOORPLAN
PERMIT:	REF: MAP 37201300K DATED AUG. 28, 2018
THESE ARE NO METAGONS WITHIN THE PROJECT BOUNDARY. THERE ARE NO ENVIRONMENTAL SPECIES ON 148/115 ON THIS SITE.	
BUILDING SETBACKS:	REQUIRED: 10' REAR: 25' CORNER: 25' 218.41 (NORTH)
NUMBER OF PROPOSED BUILDINGS:	1
NUMBER OF FLOORS ON PROPOSED BUILDING:	1
GROSS FLOOR AREA:	EXISTING: 4,785 SQ. FT. PROPOSED TOTAL: 6,285 SQ. FT.
BUILDING LOT COVERAGE-EXISTING:	0.28
BUILDING LOT COVERAGE-PROPOSED:	0.28
BUILDING LOT COVERAGE-TOTAL:	2.28% (90% ALLOWED LOT COVERAGE)
EX. BUILDING HEIGHT:	MAX. 14'-8"
MAX. BUILDING HEIGHT PROPOSED:	35'-0"
CAMA LAND USE CLASSIFICATION:	32'-0"
CAMA AREAS OF CONCERN (A/C):	NONE
THIS SITE IS NOT WITHIN A CAMA REC.	
INTERIORS CALCULATIONS:	
TOTAL SITE IMPERVIOUS AREA:	99,857 SF (2.28 AC SITE)
TOTAL NEWLY CONSTRUCTED IMPERVIOUS (WITHIN PROJECT BOUNDARY):	10,388 SF (0.24 AC SITE)
NEW IMPERVIOUS AREA (WITHIN PROJECT BOUNDARY):	9,349 SF (0.21 AC SITE)
NEW IMPERVIOUS AREA DUE TO MAINTENANCE (WITHIN PROJECT BOUNDARY):	1,039 SF (0.02 AC SITE)

PARKING REQUIREMENTS:	1 SPACE PER 400 SF (BUILDING) 7888 SF / 400 SF = 20 SPACES
PARKING CODE MANUAL:	7888 SF / 200 SF = 40 SPACES
EXISTING PARKING SPACES =	77 SPACES
NEW PARKING SPACES =	NONE REQUIRED
TOTAL SPACES PROVIDED =	77 SPACES (EXISTING)
BICYCLE PARKING REQUIREMENTS:	5 BICYCLE PARKING SPACES FOR 25 OR MORE AUTO PARKING SPACES.
BICYCLE PARKING CODE:	WAKE 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	
PLANNING NAME	DATE
TRAFFIC	
FIRE	

**SHERWOOD & ASSOCIATE ARCHITECTURE**

124 Market St. Wilmington, NC 28401  
910.742.0892

**CLH DESIGN PA**  
400 ReGENCY Forest Dr.  
Suite 120 27518  
Cary, NC  
Phone: 919.319.6716  
Fax: 919.319.5170  
www.clhdesign.com

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

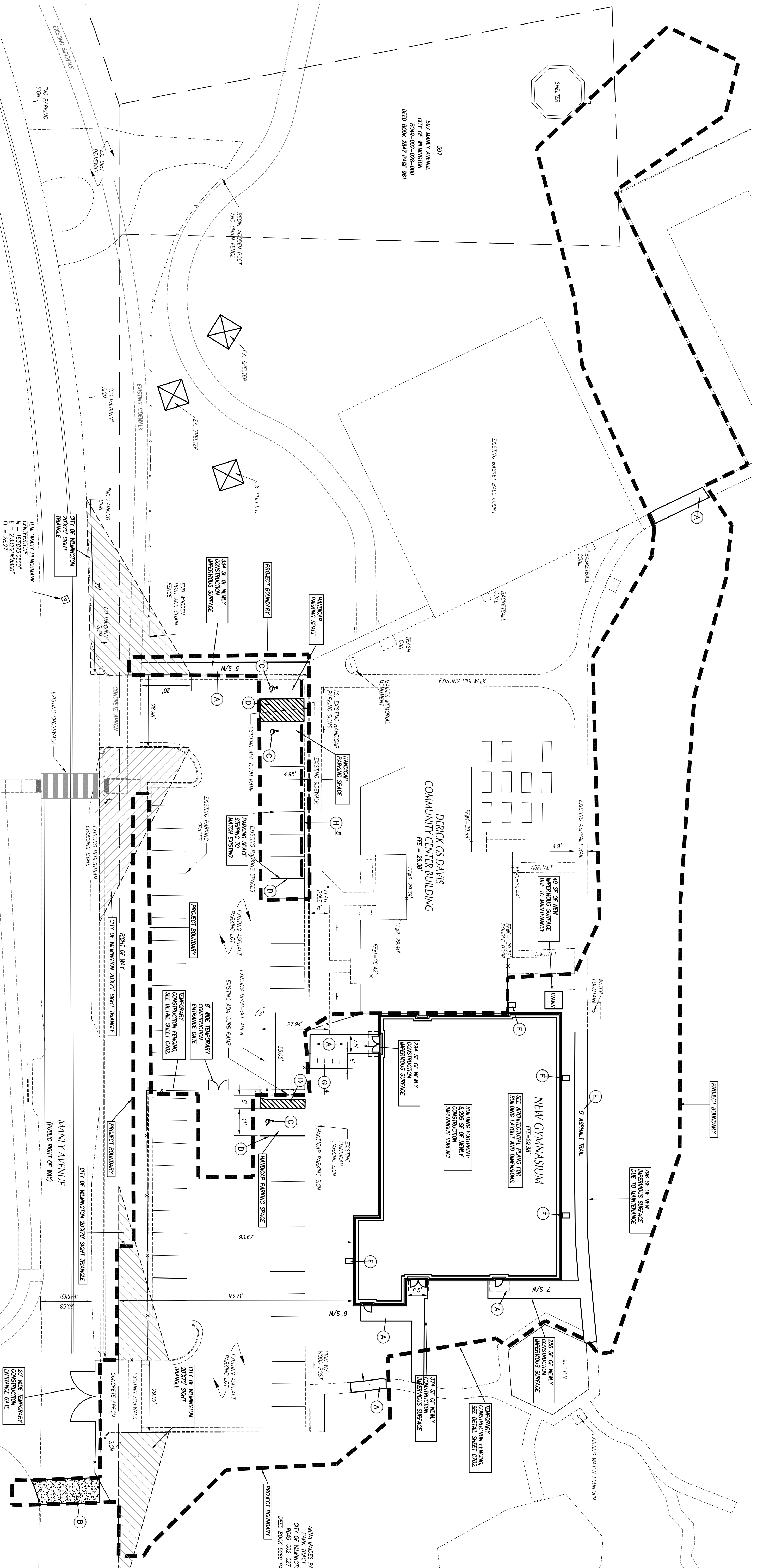
CITY OF WILMINGTON MINOR SITE PLAN SUBMITTAL  
11/12/2019

Revisions:

**COVER**

**C100**

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**GENERAL NOTES**

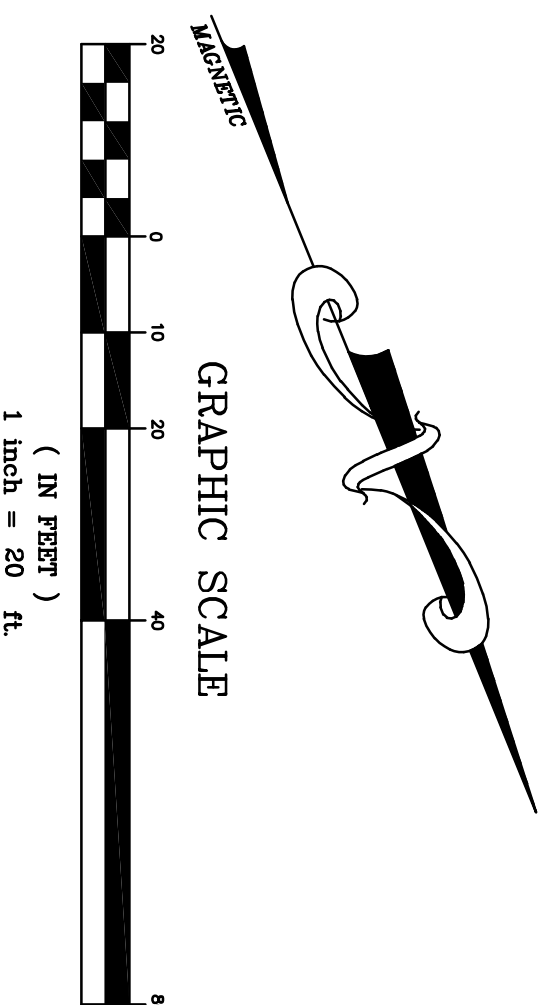
1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL CITY OF WILMINGTON AND NC DOT STANDARDS AND SPECIFICATIONS.
2. ALL DIMENSIONS SHOWN ARE TO FACE OF CURB AND FACE OF BUILDING WALL, UNLESS OTHERWISE SHOWN.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF ALL DIMENSIONS SHOWN AND CONTACT THE ARCHITECT IF ANY DISCREPANCIES OCCUR.
4. CONSTRUCTION STAKE OUT IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL PAVED AREAS AND SIGNAGE SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
6. ALL FACE OF ROADS ARE 4 FT UNLESS OTHERWISE SHOWN.
7. ALL PARKING SPACES SHALL BE 6' WIDE X 16 FT DEEP MIN.
8. (AO) DENOTES ACCESSIBLE PARKING SPACE.
9. (VAO) 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. CONSTRUCTION SHALL SUBMIT SCALED PLANS OF ALL SIGNAGE/PAINTS FOR APPROVAL BY ARCHITECT 30 DAYS MINIMUM PRIOR TO CONSTRUCTION.
12. THE CROSS-SLOPE ON ALL DRIVEWAYS SHALL BE A MINIMUM OF 2.0%.
13. MINIMUM SPREADS OF DRIVEWAYS SHALL BE 18" UNLESS OTHERWISE SPECIFIED. THE DRIVEWAY CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY DAMAGED EXISTING DRIVEWAY SURFACES AND CURBS INSIDE THE PROJECT LIMITS.
14. CONTRACTOR SHALL REPLACE ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS AND CURBS INSIDE THE PROJECT LIMITS.
15. CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY PAVED AREAS OR SIGNAGE ON SITE THAT HAVE BEEN DAMAGED TO THE POINT IN WHICH THEY ARE NO LONGER IN ACCORDANCE WITH THE AUTO STANDARD OF MAINTENANCE.

**KEY NOTES**

(A) CONCRETE SIDEWALK, SEE DETAIL SHEET 0202.	(C) BONE MARK, SEE DETAIL SHEET 0202.
(B) PAVED DRIVE-UP/DRIVE-DOWN CURBS, SEE DETAIL SHEET 0202.	(H) CONCRETE WHEEL STOP, SEE DETAIL SHEET 0202.
(D) PAVED DRIVE-UP/DRIVE-DOWN CURBS, SEE DETAIL SHEET 0202.	(I) ASPHALT TRAIL, SEE DETAIL SHEET 0202.
(E) ASPHALT TRAIL, SEE DETAIL SHEET 0202.	(F) SPRAVY BLOCK, SEE DETAIL SHEET 0202.

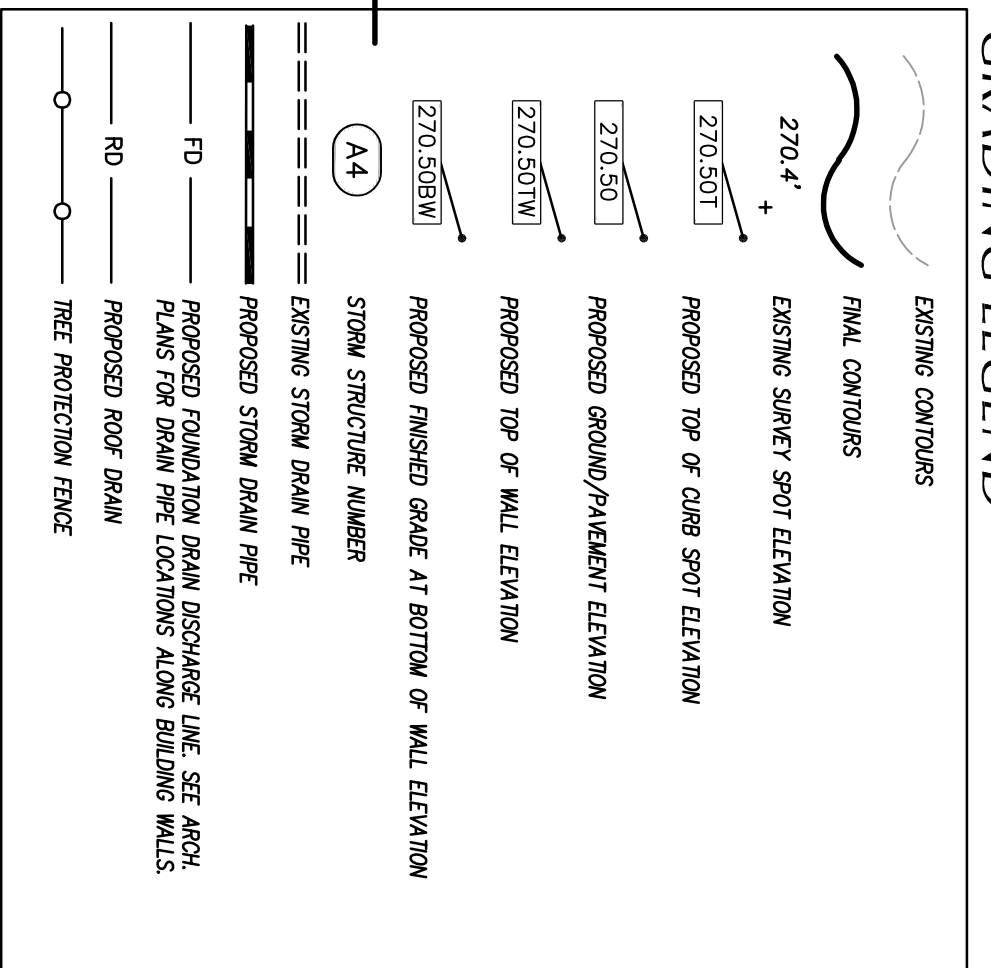
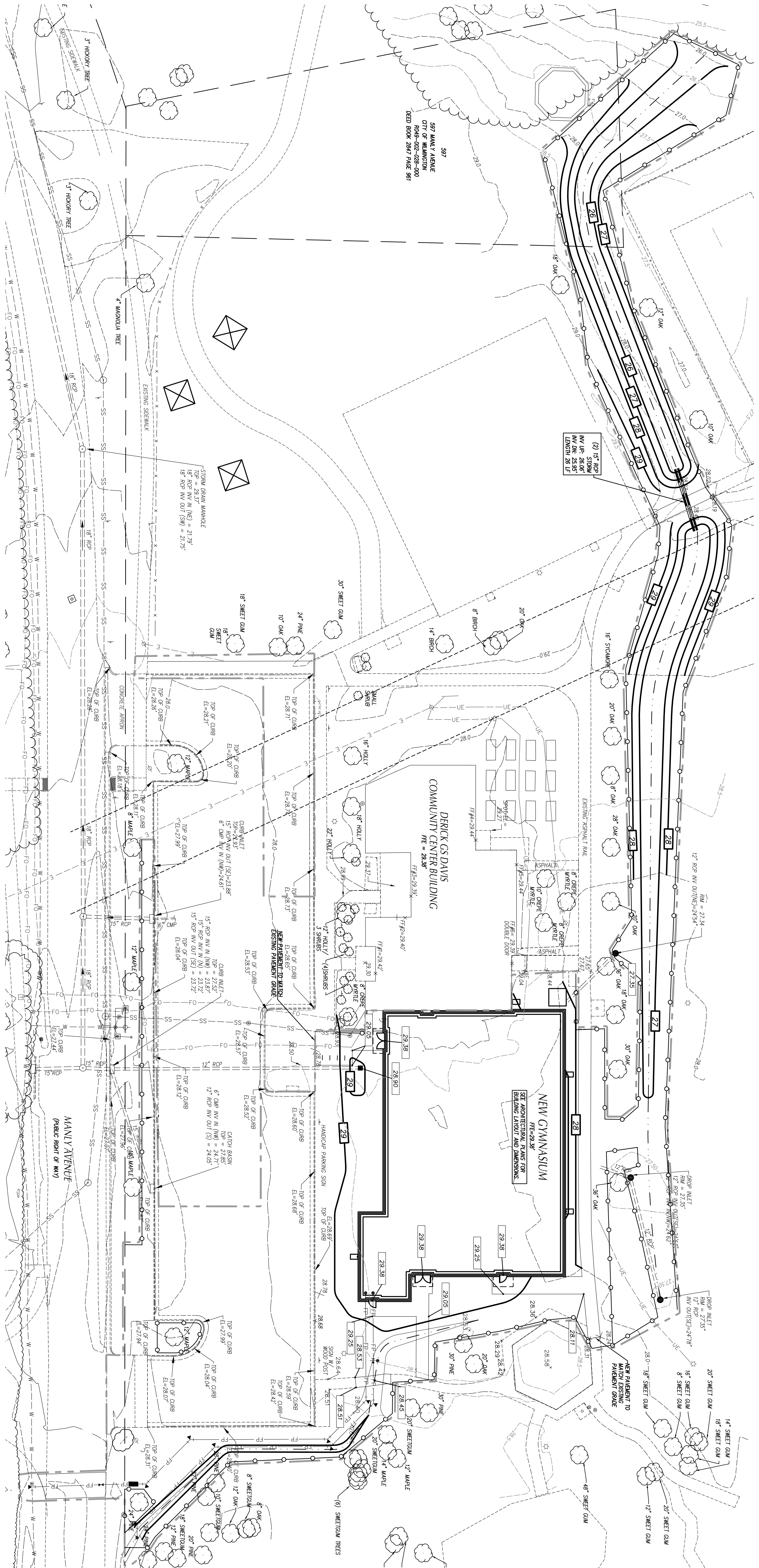
**TRAFFIC CONTROL NOTES**

1. ALL PAVED AREAS SHALL BE IN ACCORDANCE WITH THE AUTO AND NC DOT STANDARDS AND THE TRAFFIC CONTROL NOTES.
2. ALL PARKING SPACES SHALL BE AUTO-RENEW THE PAINT.
3. ALL PAVED AREAS IN ROW AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY OF WILMINGTON AND NC DOT STANDARDS.

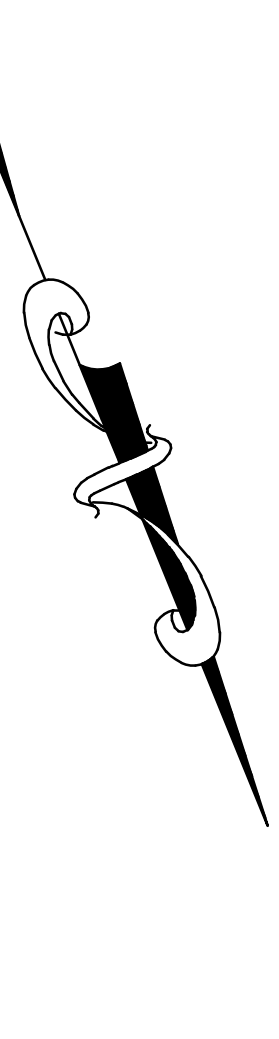








- ### GENERAL NOTES
1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL CITY OF WILMINGTON AND NCOT STANDARDS AND SPECIFICATIONS.
  2. ALL SPOT ELEVATIONS INDICATED AT CURB AND CUTTER AND ARE DEVOTED TO TOP OF CURB, UNLESS OTHERWISE SHOWN.
  3. TOTAL DRAINAGE AREA = 0.75 AC.
  4. ALL BACKFILL, COMPACTION, SOILS TESTING, ETC. SHALL BE PERFORMED BY THE OWNERS INDEPENDENT TESTING LABORATORY. (SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION)
  5. ALL STORM DRAIN PIPES SHALL BE PROTECTED WITH STONE FILTER PROTECTION AFTER STORAGE OF WORK EACH AND ADDITIONAL COSTS TO THE OWNER.
  6. EXISTING VEGETATION WITHIN TREE PROTECTION AREAS SHALL REMAIN UNDISTURBED, UNLESS NOTED OTHERWISE.
  7. ANY AND ALL LANDSCAPING AND EXISTING TREES & SHRUBS TO REMAIN WHICH ARE DAMAGED DURING CONSTRUCTION OR CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR UTILIZING A LICENSED LANDSCAPE CONTRACTOR AT THE OWNER'S RISK AND EXPENSE.
  8. THE GRADING CONTRACTOR SHALL COMPLY WITH ALL STATE CODES IN OBSERVING EROSION CONTROL MEASURES BOTH ON AND OFF-SITE.
  9. THE GRADING CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL DEVICES AFTER EACH RAINFALL EVENT OR AS DIRECTED BY STATE AUTHORITIES OR THE ARCHITECT.
  10. THE GRADING CONTRACTOR SHALL BE RESPONSIBLE FOR OFF-SITE DISPOSAL OF ALL CEILING AND GROUNDING WASTE STOCKPILES AND/OR WASTE AREAS.
  11. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND FOR OBTAINING ALL APPLICABLE PERMITS FOR OFF-SITE.
  12. THE CROSS-SLOPE ON ALL SWEETWALLS SHALL BE A MINIMUM OF 2.0%.
  13. CONTRACTOR SHALL VERIFY ALL EXISTING ELEVATIONS WHERE NEW CONSTRUCTION JOIN OR CONNECT TO EXISTING PAVEMENT, CURB AND OTHER ROAD STRUCTURES. NOTIFY ARCHITECT IF DISCREPANCIES OCCUR.



WILMINGTON  
NORTH CAROLINA  
Public Services Engineering Division  
APPROVED DRAINAGE PLAN

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

APPROVED CONSTRUCTION PLAN

PLANNING NAME DATE

THATIC \_\_\_\_\_

PRE \_\_\_\_\_

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

CITY OF WILMINGTON MINOR  
SITE PLAN SUBMITTAL  
11/12/2019

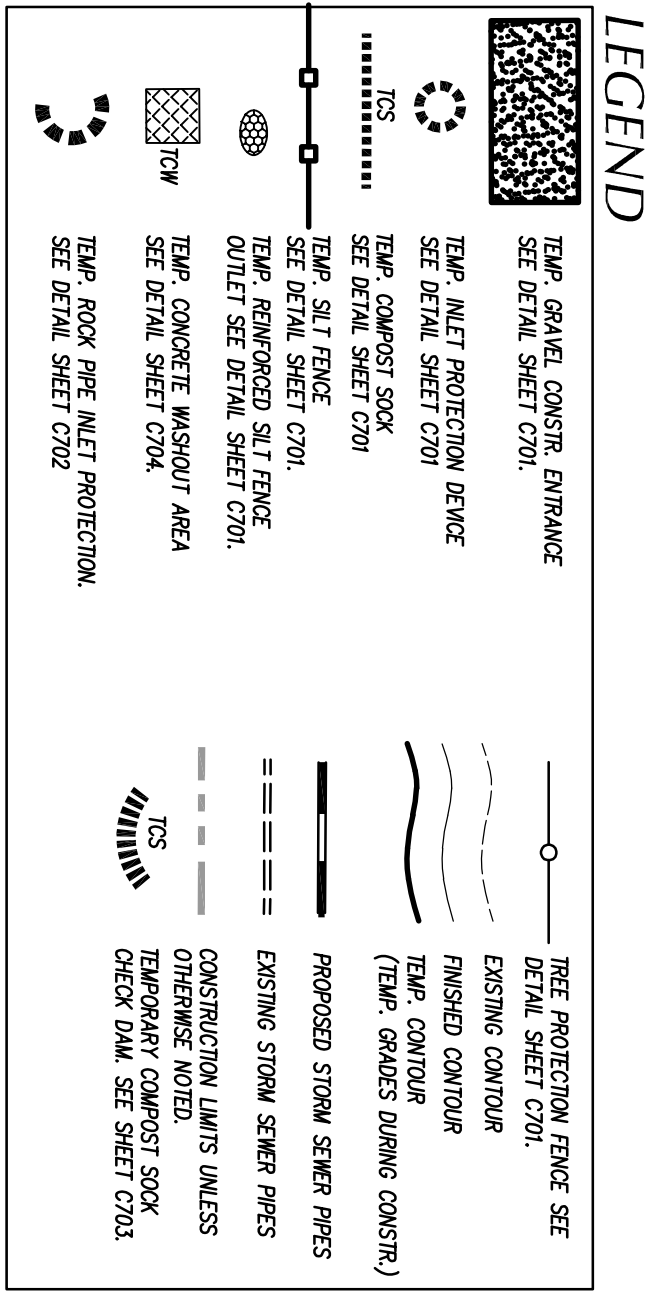
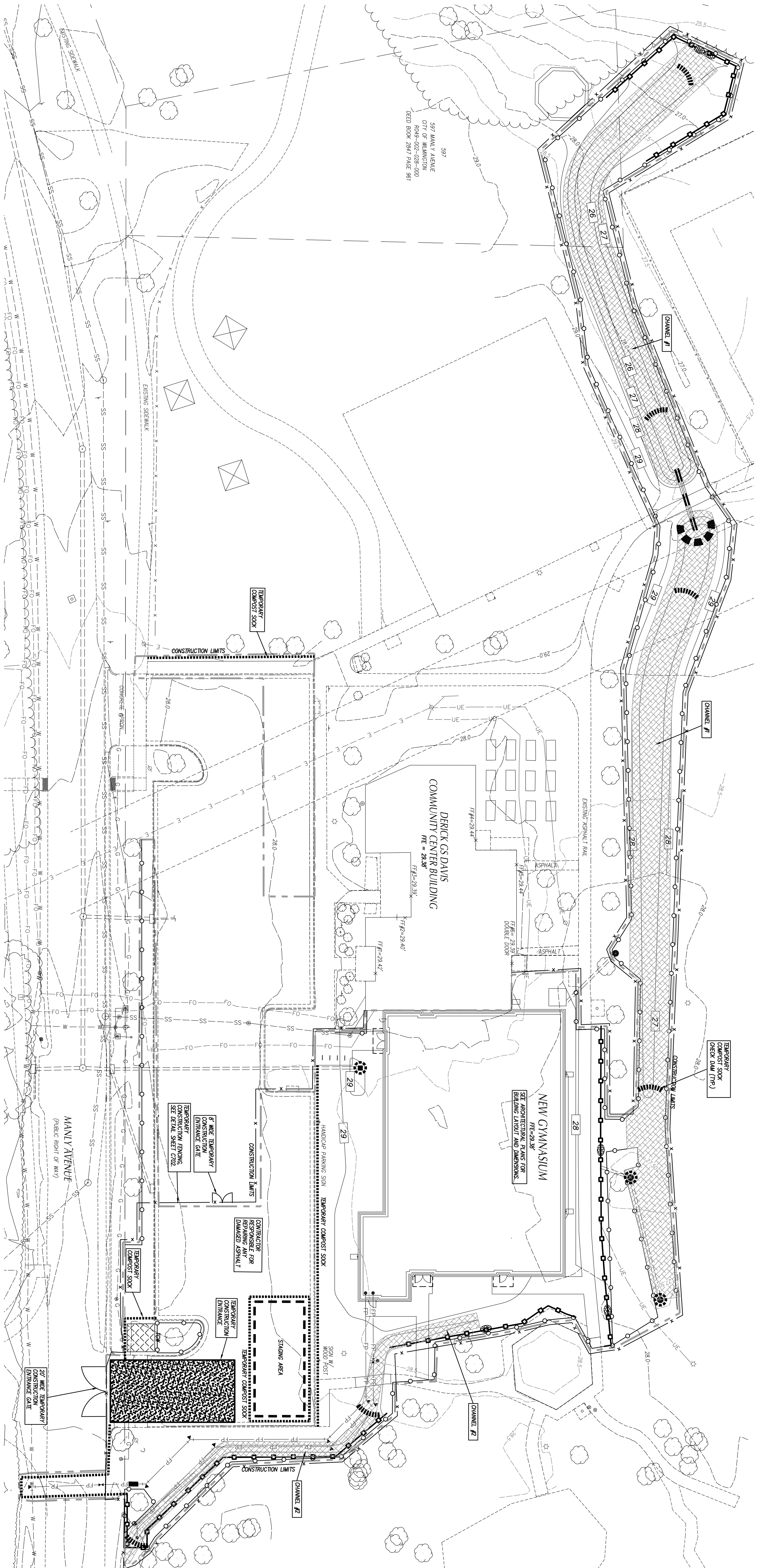
Revisions:



**SHERWOOD & ASSOCIATE ARCHITECTURE**

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400 Highway Forest Dr.  
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### 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 SCHEDULING AND STABILIZATION REQUIREMENTS AND SCHEDULES WHICH MAY VARY FROM THE ABOVE.
- SOPE SLOPES CONTROL MATING SHALL BE INSTALLED FOR TEMPORARY STABILIZATION DURING THE ESTABLISHMENT OF VEGETATION COVER ON ALL STEEP SLOPES (6:1 OR STEEPER), REFER TO MATERIAL SPECIFICATIONS. INSTALL MATING PER MANUFACTURER'S INSTRUCTIONS.
- ALL OTHER SEEDING AREAS SHALL BE MATCHED WITH STRAW AND FACED WITH ASPHALT.

### SELF-INSPECTION RULES

SEE SHEET C705 FOR SELF-INSPECTION REQUIREMENTS. THE INDIVIDUALLY RESPONSIBLE PERSON AND/OR HIS AGENT WILL BE PERFORM SELF INSPECTIONS OF THE EROSION AND SEDIMENTATION CONTROL MEASURES USING NON-BUILDERS 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 VIOLATE COMPLIANCE IMPROVABLE (SECTION 11B2) (b).

THE REQUIREMENTS ON SHEET C704 ARE THE MINIMUM NECESSARY TO MEET EROSION AND SEDIMENT CONTROL REGULATIONS. THE CONTRACT DOCUMENTS INCLUDE ADDITIONAL SCHEDULING AND STABILIZATION REQUIREMENTS AND SCHEDULES WHICH MAY EXCEED MINIMUM REQUIREMENTS. INSTALL TEMPORARY EROSION MATING FOR STABILIZATION DURING THE ESTABLISHMENT OF VEGETATION COVER ON ALL STEEP SLOPES (6:1 OR STEEPER) AND AREAS OF CONCENTRATED FLOW (CHANNELS, DITCHES, SWALES, ETC.). UTILIZE TEMPORARY COMPOST MAT IN AREAS DERIVED ON PLAN. REFER TO SPECIFICATION SECTION 312000 FOR MATERIAL SPECIFICATIONS. INSTALL MATING PER MANUFACTURER'S INSTRUCTIONS.

### CONSTRUCTION SEQUENCE

1. OBTAIN APPROVED PLAN AND APPROVAL PLACARD. A COPY OF THE APPROVED PLAN MUST BE ON FILE AT THE JOB SITE.
2. INSTALL THE PROTECTION FENCE.
3. CONDUCTOR SHALL PROVIDE SET POINTS FOR THE EROSION AND SEDIMENTATION CONTROL MEASURES AND COMPLETE THE FOLLOWING COMBINED SELF-INSPECTION FROM FOUND ON THE NEARBY WEBSITE: <http://www.nc.gov/ncdot/onlineenergy/energy-and-resources/erosion-sediment-control/combined>.
4. COMPLETE THE PROTECTION FENCE AND STABILIZATION REQUIREMENTS AND SCHEDULES WHICH MAY EXCEED MINIMUM REQUIREMENTS.
5. INSTALL CONSTRUCTION ENTRANCES, FENCE, SILT FENCES, TEMPORARY COMPOST SOCKS, TEMPORARY INLET PROTECTION DEVICES ON EXISTING ALLEYS.
6. EXISTING TEMPORARY CONSTRUCTION TRAILERS WITH STORM AREA STABILIZATION WILL BE APPLIED WITHIN 14 CALENDAR DAYS FROM LAST LAND CLEAR AND GRUB.
7. DISTRIBUING AGENTS, FOR STEEP SLOPES THAT AREA MUST BE STABILIZED WITHIN 7 CALENDAR DAYS.
8. AT THE END OF EACH DAY, INSTALL AND ADJUST TEMPORARY TEMPORARY COMPOST SOCKS PERMITTER DEVICES AS NECESSARY. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN 7 CALENDAR DAYS.
9. 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.
10. REEPAVE (OR OTHERWISE STABILIZE WITH PAVEMENT, BUILDING PAD ETC.) IMMEDIATELY TO ALL DISTURBED AREAS AS SHOWN IN SLOPE AND STABILIZATION PLAN.
11. MAINTAIN ALL EROSION & SEDIMENT CONTROL MEASURES THROUGHOUT CONSTRUCTION.
12. CALL FOR INSPECTION BY ENGINEER OF STABILIZED SITE. IF APPROVED, REMOVE TEMPORARY EROSION CONTROL DEVICES. SEED AND MULCH ALL DISTURBED AREAS.

### GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL CITY OF WILMINGTON AND NC DOT STANDARDS, SPECIFICATIONS AND DETAILS.
2. THE CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL CODES IN OBSERVING EROSION CONTROL MEASURES BOTH ON AND OFF SITE. ALL OFF-SITE BURNING AND WASTE SITES SHALL BE PROPERLY FENCED FOR SUCH ACTIVITIES. CONTRACTOR SHALL PROVIDE WRITTEN CONSIDERATION OF SEDIMENT & EROSION CONTROL PLAN FOR ALL OFF-SITE SITES TO OBTAIN PERMITS TO DISCHARGE WASTEWATER.
3. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL DEVICES AFTER EACH RAINFALL EVENT OR AS DIRECTED BY LOCAL AUTHORITIES OR INSPECTOR.
4. ALL OPEN STORM PRESS SHALL BE PROTECTED WITH STONE FILTER PROTECTION AFTER WORK STOPPAGE EACH DAY. SEE DETAIL SHEET C701.
5. ALL STORM DRAINAGE PRES 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.
6. 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 INDICATED IN THE SLOPE & SURFACE STABILIZATION NOTES ON THIS PLAN.
7. THE PROTECTION FENCE SHALL BE MAINTAINED ON THE SITE UNTIL ALL SITE WORK IS COMPLETED AND THE FINAL SITE INSPECTION IS SCHEDULED PRIOR TO THE ASSUANCE OF OCCUPANCY (CO). THE FENCING SHALL BE REMOVED IMMEDIATELY PRIOR TO THE FINAL SITE INSPECTION FOR THE SITE.
8. THE PROTECTION FENCING SHALL NOT BE MOVED AND THERE SHALL BE NO ENCROACHMENT INTO SUCH PROTECTED AREA(S) WITHOUT WRITTEN AUTHORIZATION OF THE COUNTY ZONING COMMISSION. STAKE, ANY ACTIVITY (EXCEPT GRUBBING, FENCING, OR UTILTY RESTRICTION) SHOWN ON THE PLAN SHALL BE PROHIBITED. ANY UNAUTHORIZED ENCROACHMENT OR DISTURBANCE WITHIN THE BOUNDARIES OF A TREE PROTECTION AREA SHALL AUTOMATICALLY RESULT IN THE REMOVAL OF ANY DAMAGED VEGETATION IN ACCORDANCE WITH THE LAND DEVELOPMENT ORDINANCE.
9. ROUND OFF DITCHES AND CHANNELS SHALL BE STABILIZED ONLY UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
10. TEMPORARY MATING TO TOP OF ALL SLOPES ON CHANNELS, DRAINAGE DITCHES AND TEMPORARY SEDIMENT BASINS.
11. CONTRACTOR SHALL DEVELOPE SCHEDULE FOR INSTALLATION AND REMOVAL OF EROSION CONTROL DEVICES IN THE GEOTECHNICAL WELL DRILL LOG. RELOCATE TEMPORARY STOCKPILE DURING THE TRANSITION FROM INITIAL TO FINAL EROSION CONTROL PHASES AS NEEDED TO COORDINATE WITH GEOTECHNICAL WELL INSTALLATION.

**WILMINGTON**  
CITY ENGINEER  
Public Services- Engineering Division  
APPROVED DRAINAGE PLAN

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

APPROVED CONSTRUCTION PLAN  
NAME \_\_\_\_\_ DATE \_\_\_\_\_  
PLANNING \_\_\_\_\_  
TRAFFIC \_\_\_\_\_  
FIRE \_\_\_\_\_

1 INCH = 20 FT

GRAPHIC SCALE

0 10 20 30 40 50

**SAWYER SHERWOOD & ASSOCIATE ARCHITECTURE**

124 Market St. Wilmington, NC 28401  
910.742.0892

**CLH DESIGN/PA**

400 Highway Forest Dr.  
Suite 120 27516  
Wilmington, NC 27516  
Phone: 919.319.6716  
Fax: 919.319.2516  
Web: www.clhdesign.com

**MAIDES PARK GYMNASIUM ADDITION**

1101 MANLY AVENUE  
Wilmington, NC, 28405

CITY OF WILMINGTON MINOR  
SITE PLAN SUBMITTAL  
11/12/2019

Revisions:

**EROSION CONTROL PLAN**

C401

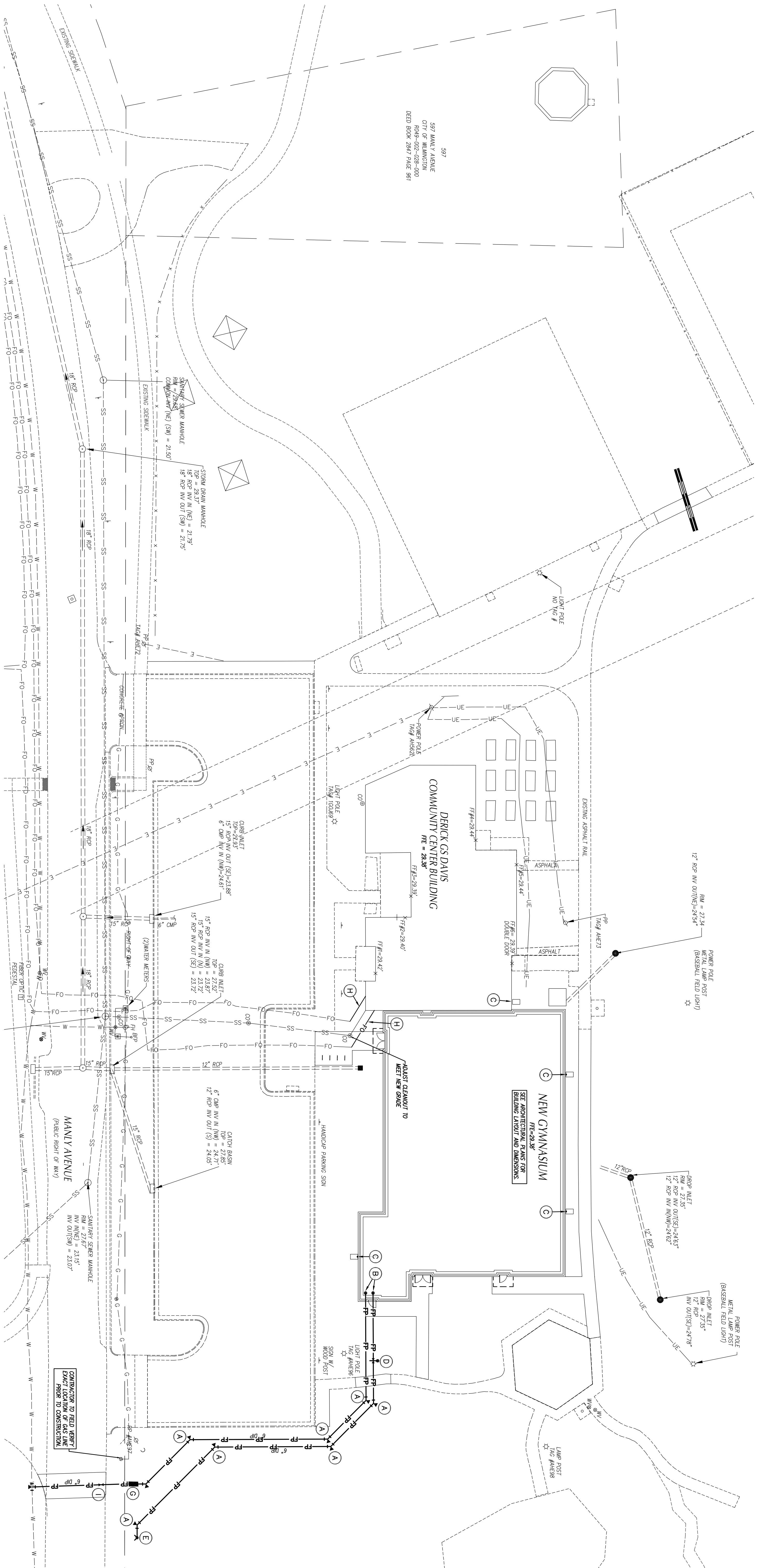
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Revisions:

Public Services- Engineering Division	WILMINGTON WATER CONTROL
APPROVED DRAINAGE PLAN	DATE: _____
APPROVED CONSTRUCTION PLAN	DATE: _____
PLANNING	DATE: _____
TRAFFIC	DATE: _____
FIRE	DATE: _____

**UTILITY PLAN**



**UTILITY LEGEND**

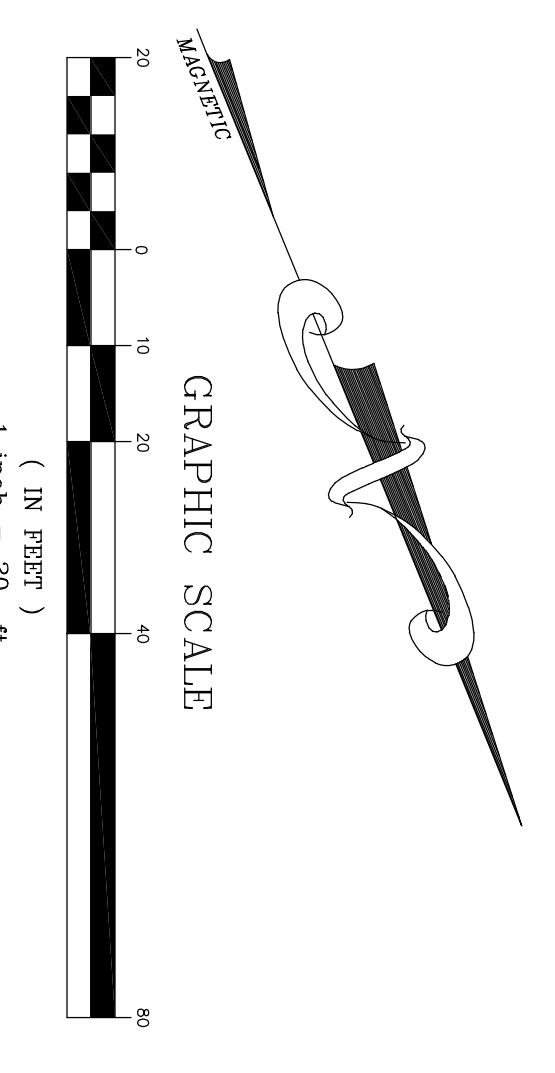
EXISTING	PROPOSED
CHILLED WATER	CW
ELECTRICAL (OVERHEAD)	E
ELECTRICAL (UNDERGROUND)	UE
FOUNDATION DRAIN	FD
GAS	G
SEWER	SS
SEWER (UNDERGROUND)	US
TELEPHONE (OVERHEAD)	T
TELEPHONE (UNDERGROUND)	UT
WATER	W
ROOF DRAIN	RD
ROOF PROTECTION	RP
STORM DRAIN	SD
TREE PROTECTION FENCING, SEE EROSION CONTROL PLANS	TPF
UTILITY 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	SSID

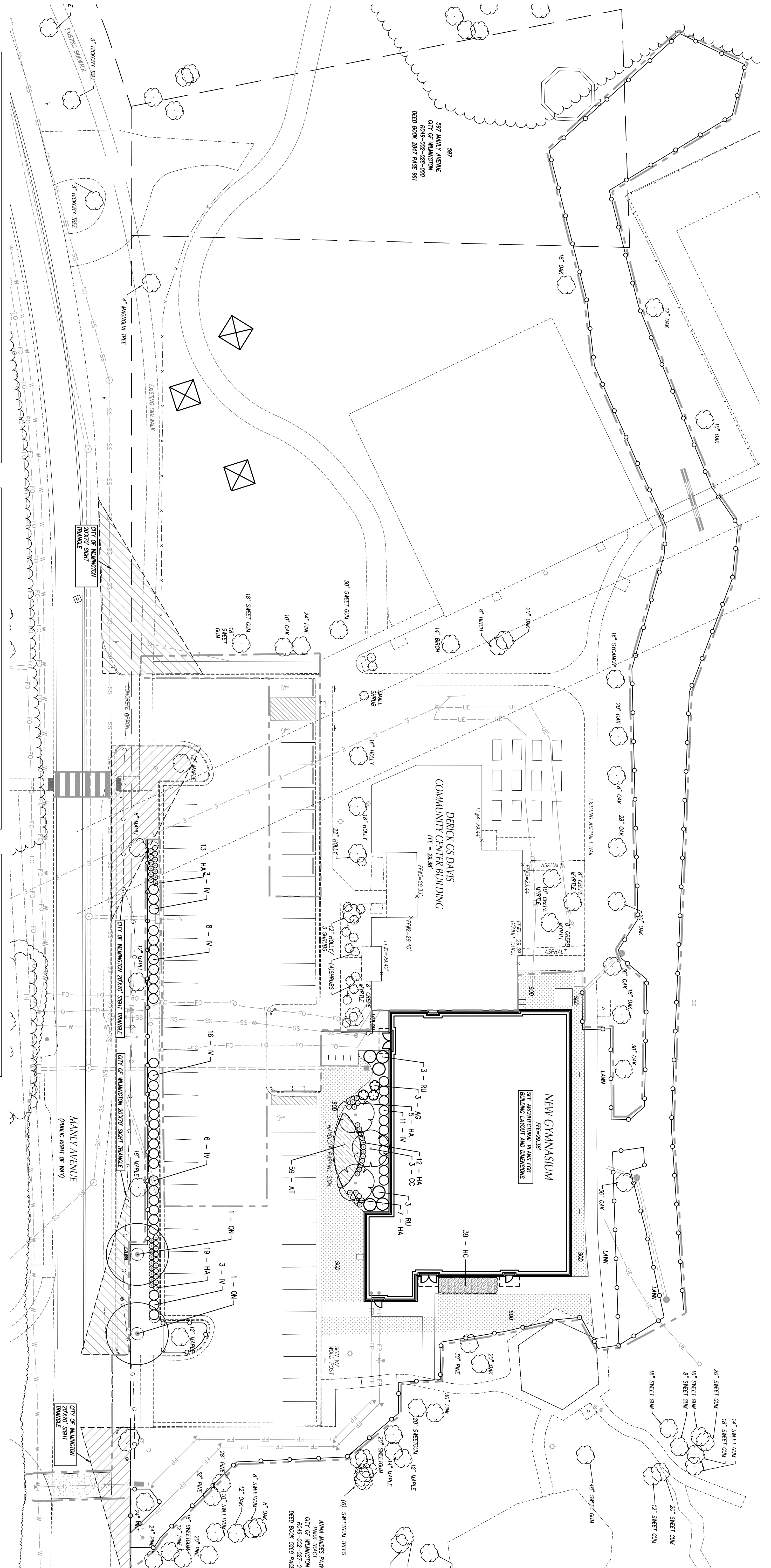
**GENERAL NOTES-UTILITY**

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL CITY OF WILMINGTON AND NCOT STANDARDS, SPECIFICATIONS AND DETAILS.
2. INSTALL UTILITIES TO PROVIDE REQUIRED CLEARANCES AS INDICATED IN THE SPECIFICATIONS.
3. UTILITIES AND SEWER MAINS SHALL BE INSTALLED WITH A MINIMUM PERSONAL CLEARANCE OF 10'-0" FT.
4. CONDUITS AND SERVICE INSTALLATION OF ALL UTILITIES WITH OTHER PUBLIC UTILITIES, UTILITY COMPANIES AND GAS.
5. VERIFY EXISTING CONDUITS AND CONNECTIONS TO EXISTING UTILITIES FROM THE ARCHITECT'S NOTES ARCHITECT'S NOTES.
6. ANY DISCREPANCIES ARE DISCOVERED.
7. CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGES DURING CONSTRUCTION AND SHALL MAKE REPAIRS AT NO EXPENSE TO THE OWNER.
8. ALL CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE MSC&P AND OSHA REQUIREMENTS.
9. THE CONTRACTOR SHALL PROVIDE AN AS-BUILT SHEET OF ALL UTILITY AND STORM DRAINAGE IMPROVEMENTS FOLLOWING CONSTRUCTION.
10. CONTRACTOR SHALL PHASE DEMOLITION AND NEW CONSTRUCTION TO ENSURE UNINTERRUPTED ACCESS AND UTILITY SERVICE TO ADJACENT FACILITIES. COORDINATE SHORT-TERM, OFF-HOUR, TEMPORARY SHUT-DOWN WITH THE OWNER.
11. SET GENERAL NOTES ON EXISTING CONDITIONS AND DEMOLITION PLAN FOR REQUIREMENTS FOR REMOVAL AND PATCHING OF PAVEMENT FOR UTILITY INSTALLATION.
12. ALL ROOF DRAINS SHALL BE 6" PVC (SCH 40) @ 1/4" MIN. SLOPE UNLESS INDICATED OTHERWISE. USE DUCTILE IRON WHEN COVER IS LESS THAN 24"-IN.
13. ALL CONDENSATE LINES SHALL BE CONNECTED TO STORM DRAINAGE SYSTEM.
14. NO WORK SHALL BE PERFORMED ON ROADSIDE OR ADJACENT PROPERTIES WITH THE OWNER'S WRITTEN CONSENT.
15. CONTRACTOR SHALL ACQUIRE UTILITY CUT PERMIT FOR EACH OPEN CUT OF A CITY OF WILMINGTON STREET. CONTACT (910) 341-8888 FOR MORE DETAILS.

**KEY NOTES**

- (A) THRUST BLOCKING, PER DETAIL SHEET C073.
- (B) ALL UTILITY INLETS SHALL BE AS INDICATED ON PLUMBING PLANS. REFER TO PLUMBING PLANS FOR LOCATION AND DIMENSIONS.
- (C) DIMENSIONED AND SPACED PER DETAIL SHEET C072 AND STEPS.
- (D) POST INDICATOR VALVE W/ THUNDER SWITCH, SEE DETAIL SHEET C072 AND STEPS.
- (E) FIRE DEPARTMENT CONNECTION, SEE DETAIL SHEET C073.
- (F) 4" x 4" TRAPPING, SEE VALVE AND BLOCKING ASSEMBLY DETAIL SHEET C072 AND SPECIFICATIONS.
- (G) 6"-HUB FIBER OPTIC TUBING (FIBER OPTIC PRESSURE DETECTOR ASSEMBLY (FPDA)) WITHIN HEATED ENCLOSURE, SEE DETAIL SHEET C073. SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- (H) APPROXIMATE ROUTE OF UNDERGROUND FIBER OPTIC BY LOCAL UTILITY COMPANY. CONTRACTOR SHALL COORDINATE LOCATION, DEPTH AND SCHEDULE WITH LOCAL UTILITY COMPANY. 6" DATE VALUE, SEE DETAIL SHEET C073.
- (I) CONTRACTOR TO FIELD VERIFY EXACT LOCATION OF GAS LINE MARK TO CONSTRUCTION.





- ### GENERAL NOTES-LANDSCAPING
1. LOCATE ALL EXISTING UTILITIES PRIOR TO INSTALLATION OF PLANT MATERIAL. NOTIFY OWNER OF ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND VERTICAL CURVE DATA. ALL UTILITIES SHALL BE SHOWN ON THE PLANT LIST WITH THE RESPONSIBILITY OF THE CONTRACTOR AND THE TOTAL QUANTITIES SHALL BE AS SHOWN ON THE PLAN.
  2. SPECIFICATIONS SHALL BE AS SHOWN ON THE PLAN.
  3. 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 BEES TO BE MULCHED WITH A MINIMUM OF 3\"/>

### LANDSCAPE CALCULATIONS

FOUNDATION PLANTING - WILMINGTON LID SEC. 16-349	EXISTING TREES RETAINED:	TOTAL
AGE/FT OF BUILDING FACE ADJACENT TO PARKING 2,128	SIZE	0
EXISTING TREES	2-5' CALIPER	0
AGE/FT OF BUILDING FACE ADJACENT TO PARKING 2,128	6-11' CALIPER	3
EXISTING TREES	12-17' CALIPER	3
AGE/FT OF BUILDING FACE ADJACENT TO PARKING 2,128	18-27' CALIPER	4
EXISTING TREES	> 24' CALIPER	5
<b>TOTAL 17 TREES</b>		

LANDSCAPING FOR EXPANSION REQUIREMENTS - WILMINGTON LID SEC. 16-310	REMOVED TREES	REPLANTING
AGE/FT OF BUILDING FACE ADJACENT TO PARKING 2,128	SIZE	0
EXISTING TREES	2-5' CALIPER	0
AGE/FT OF BUILDING FACE ADJACENT TO PARKING 2,128	6-11' CALIPER	3
EXISTING TREES	12-17' CALIPER	3
AGE/FT OF BUILDING FACE ADJACENT TO PARKING 2,128	18-27' CALIPER	4
EXISTING TREES	> 24' CALIPER	5
<b>TOTAL 17 TREES</b>		

### PLANT SCHEDULE

GROUND COVERS	QTY	BOTANICAL / COMMON NAME	CONT.	SPACING
AT	99	Asclepias tuberosa	CONT.	24\"/>

### PLANT SCHEDULE

TREES	QTY	BOTANICAL / COMMON NAME	CONT.	COL.	SIZE
QW	2	Quercus rubra	B&B		24\"/>

 Public Services- Engineering Division APPROVED DRAINAGE PLAN		Date: _____ Permit # _____
APPROVED CONSTRUCTION PLAN NAME: _____ PLANNING: _____ DATE: _____		Signature: _____

MAIDES PARK  
GYMNASIUM  
ADDITION  
1101 MANLY AVENUE  
Wilmington, NC, 28405  
CITY OF WILMINGTON MINOR  
SITE PLAN SUBMITTAL  
11/12/2019

Revisions:

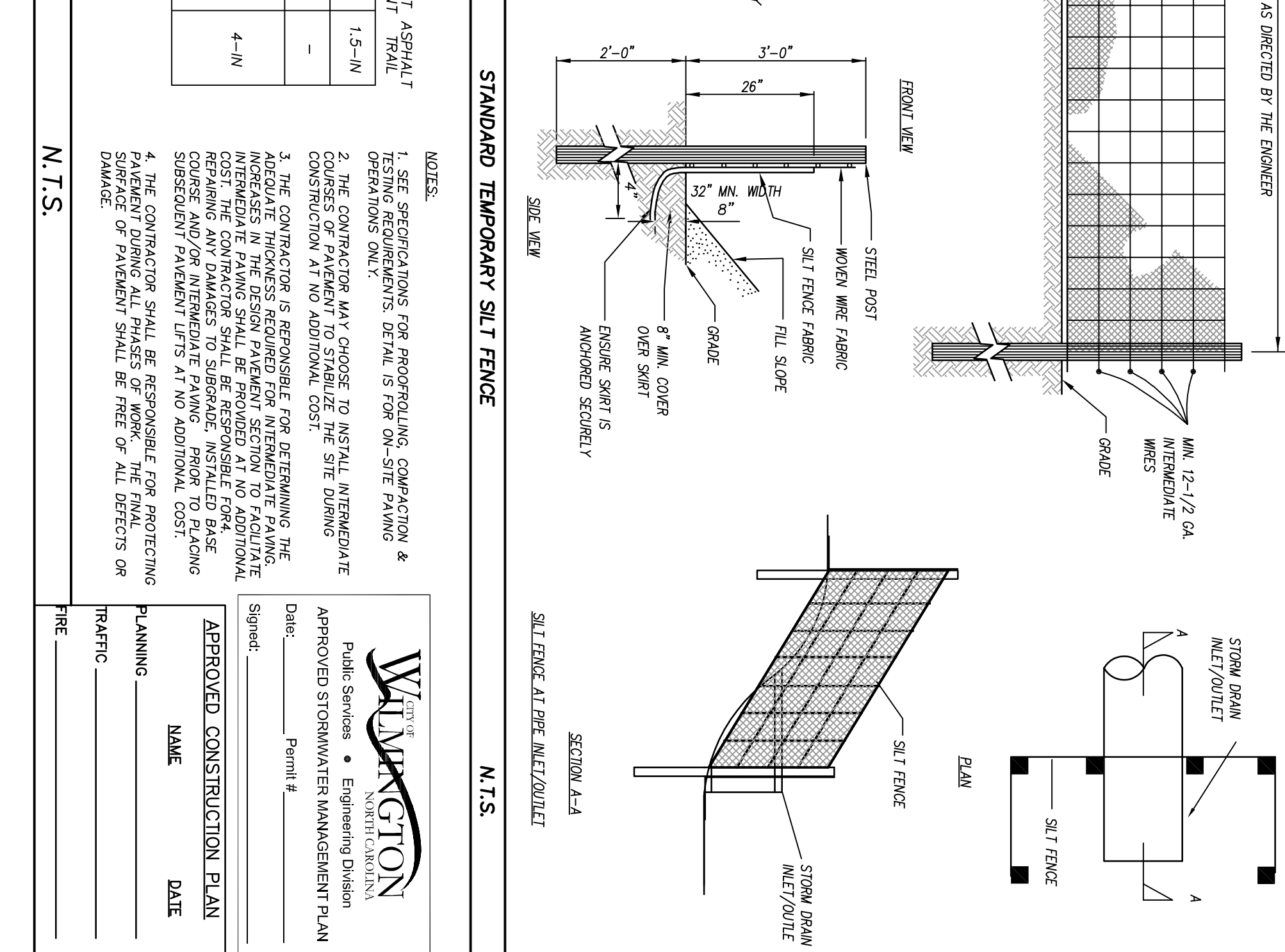
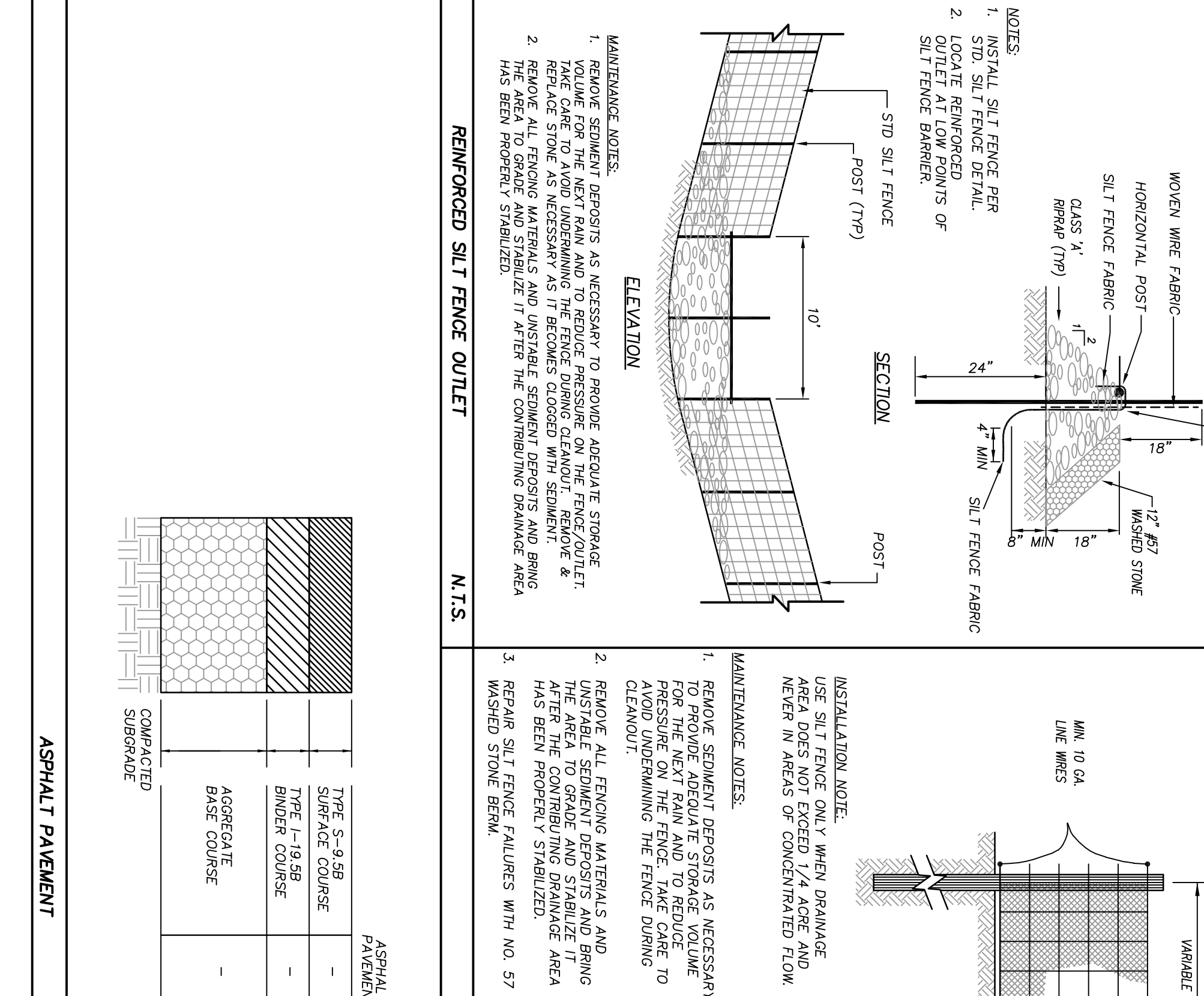
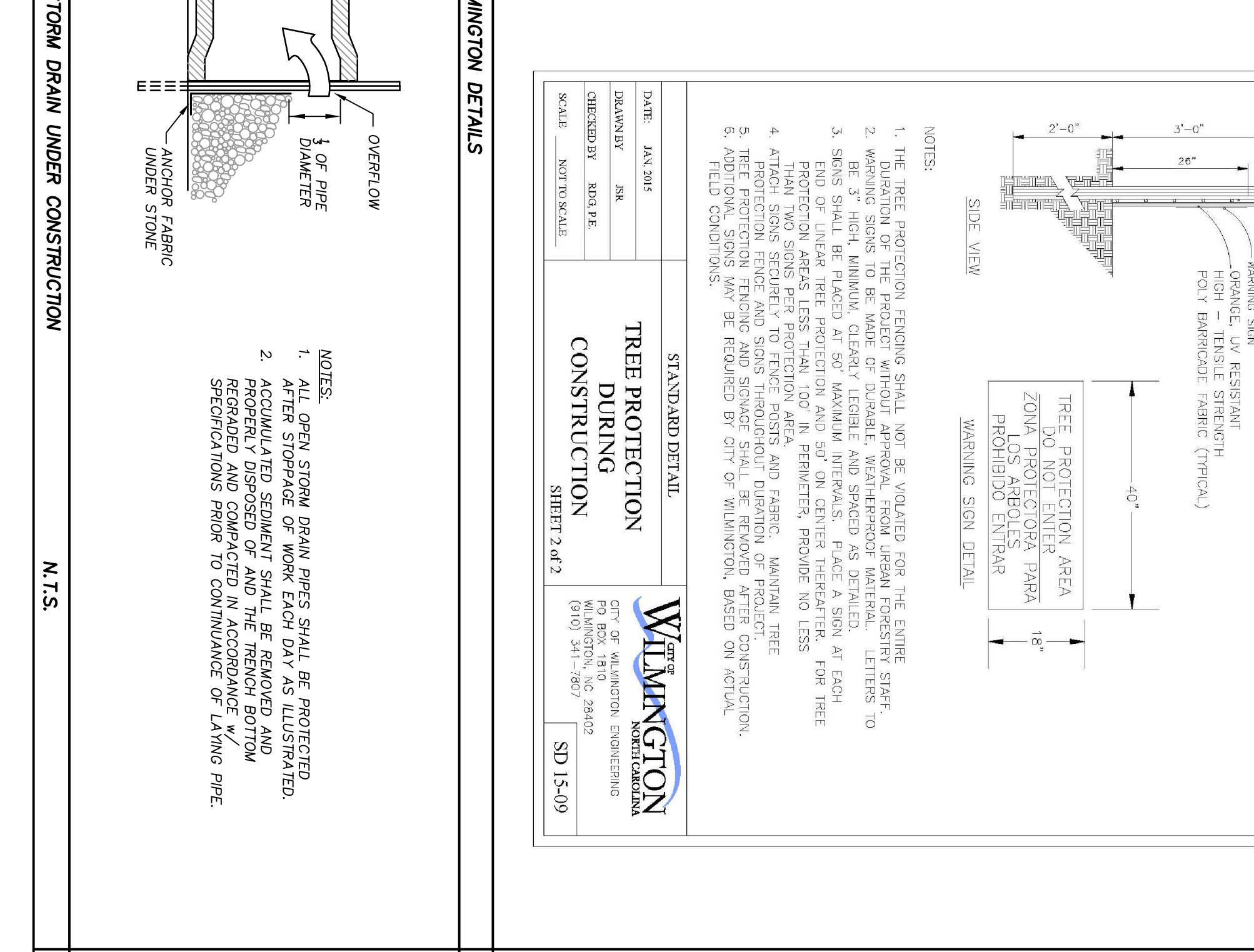
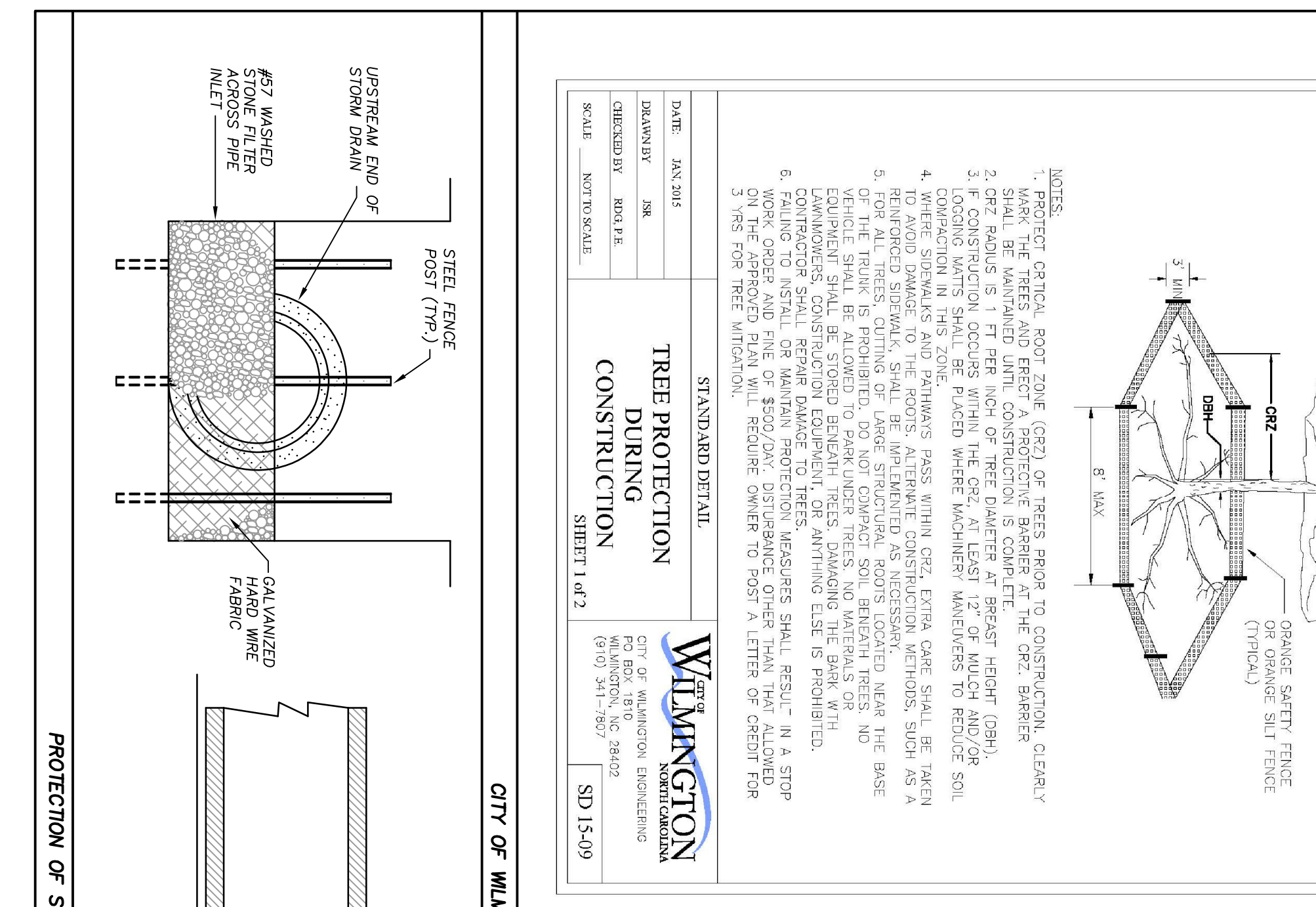
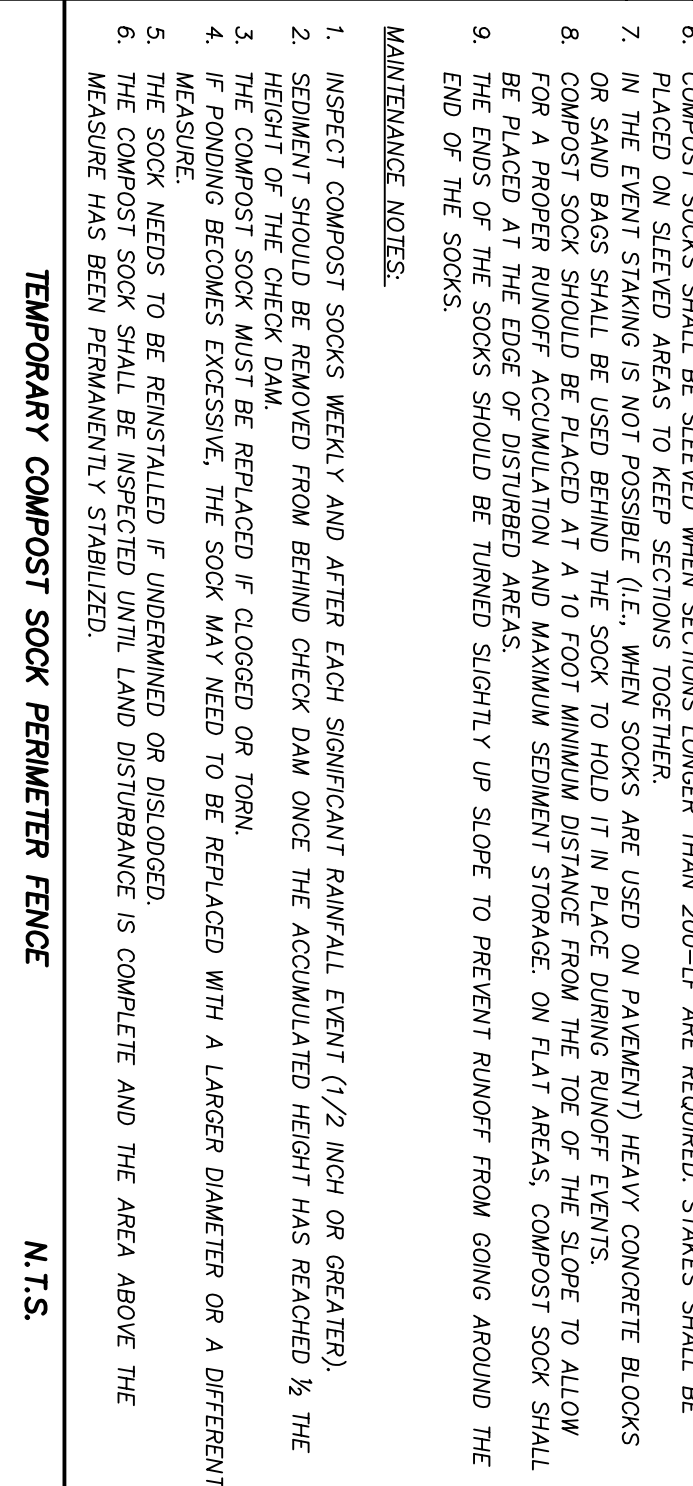
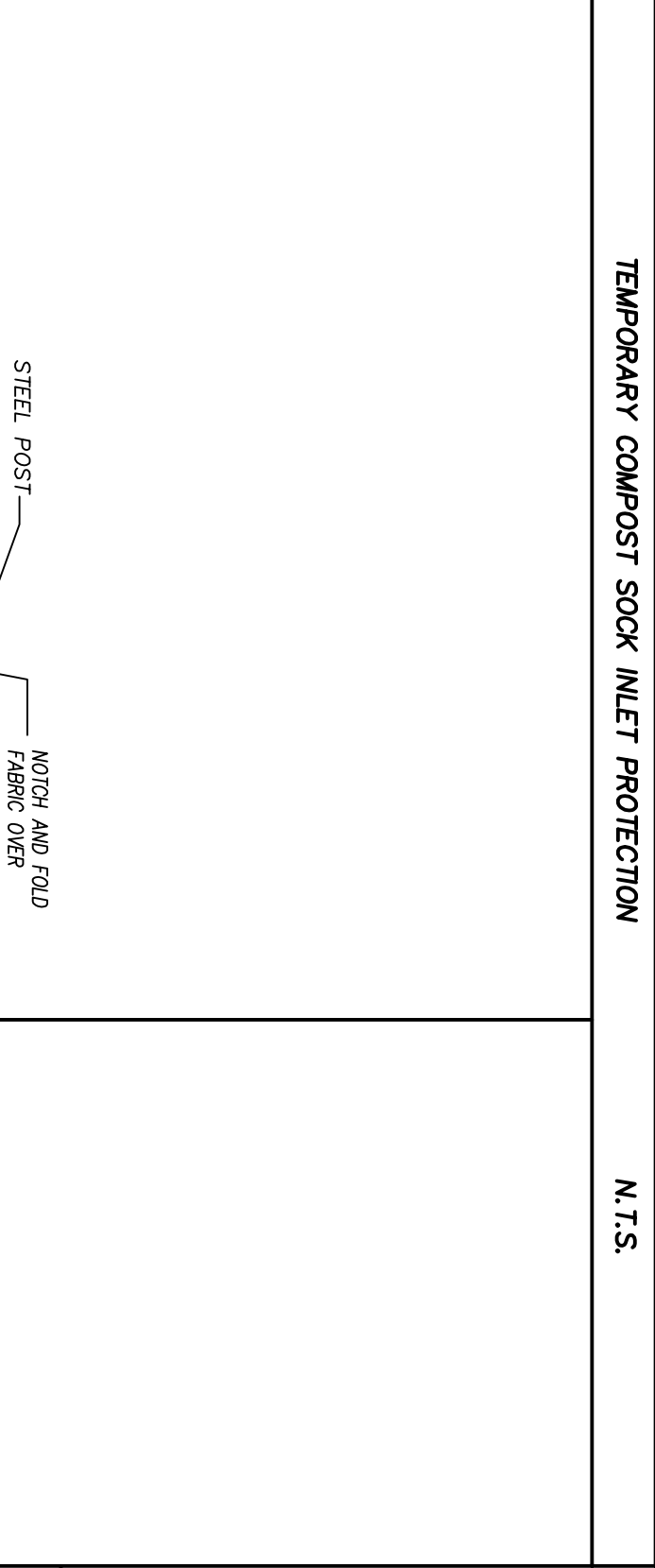
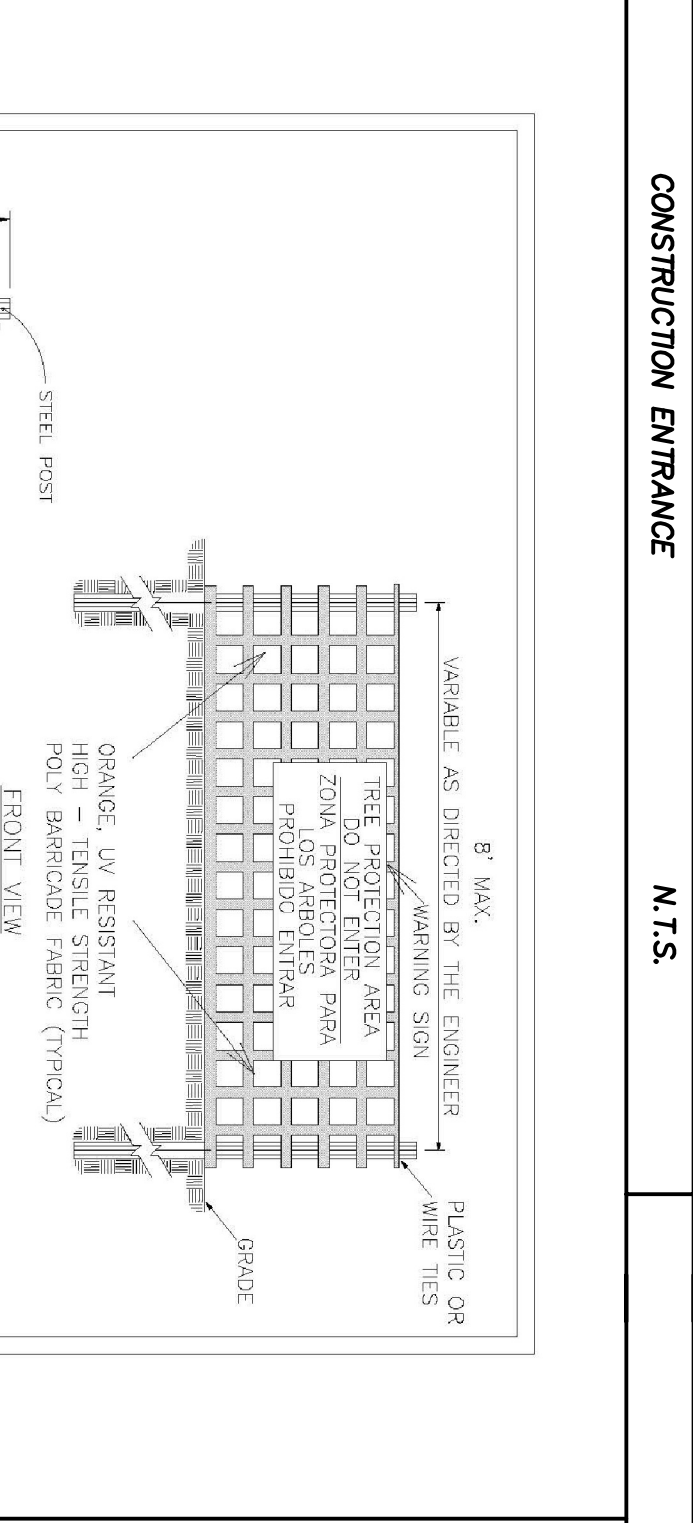
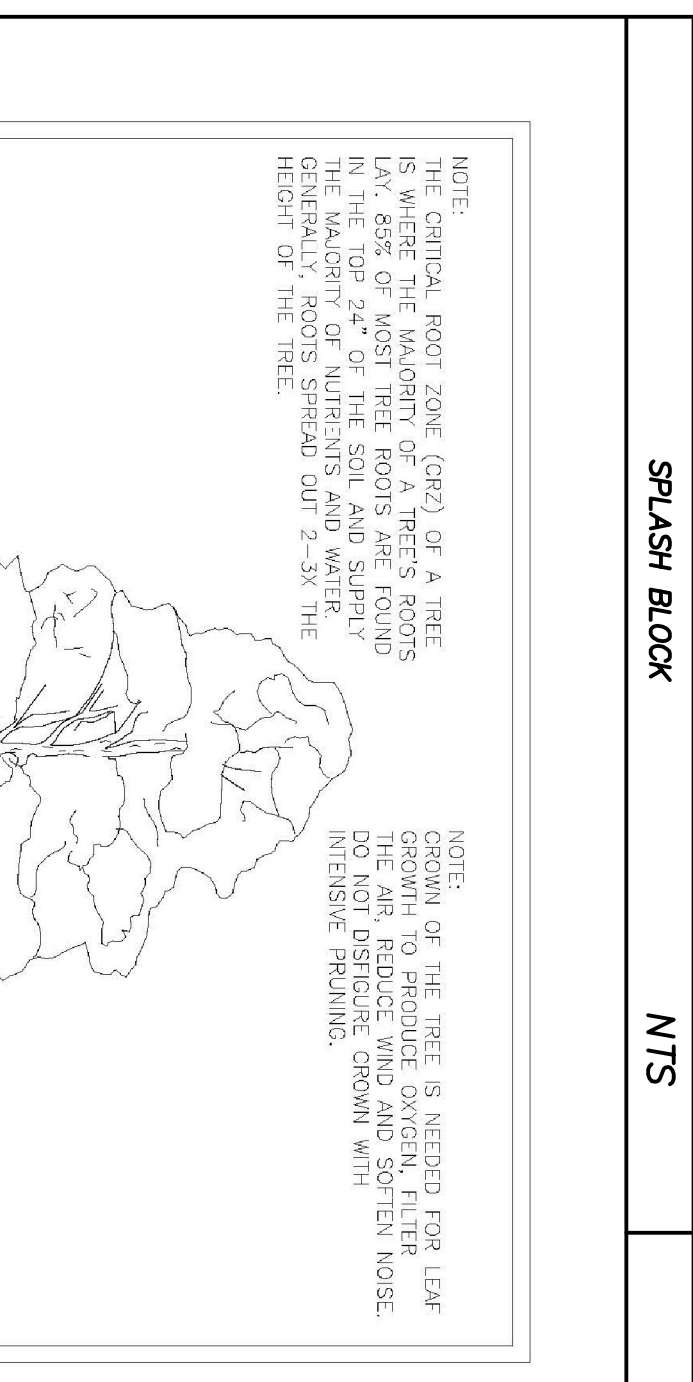
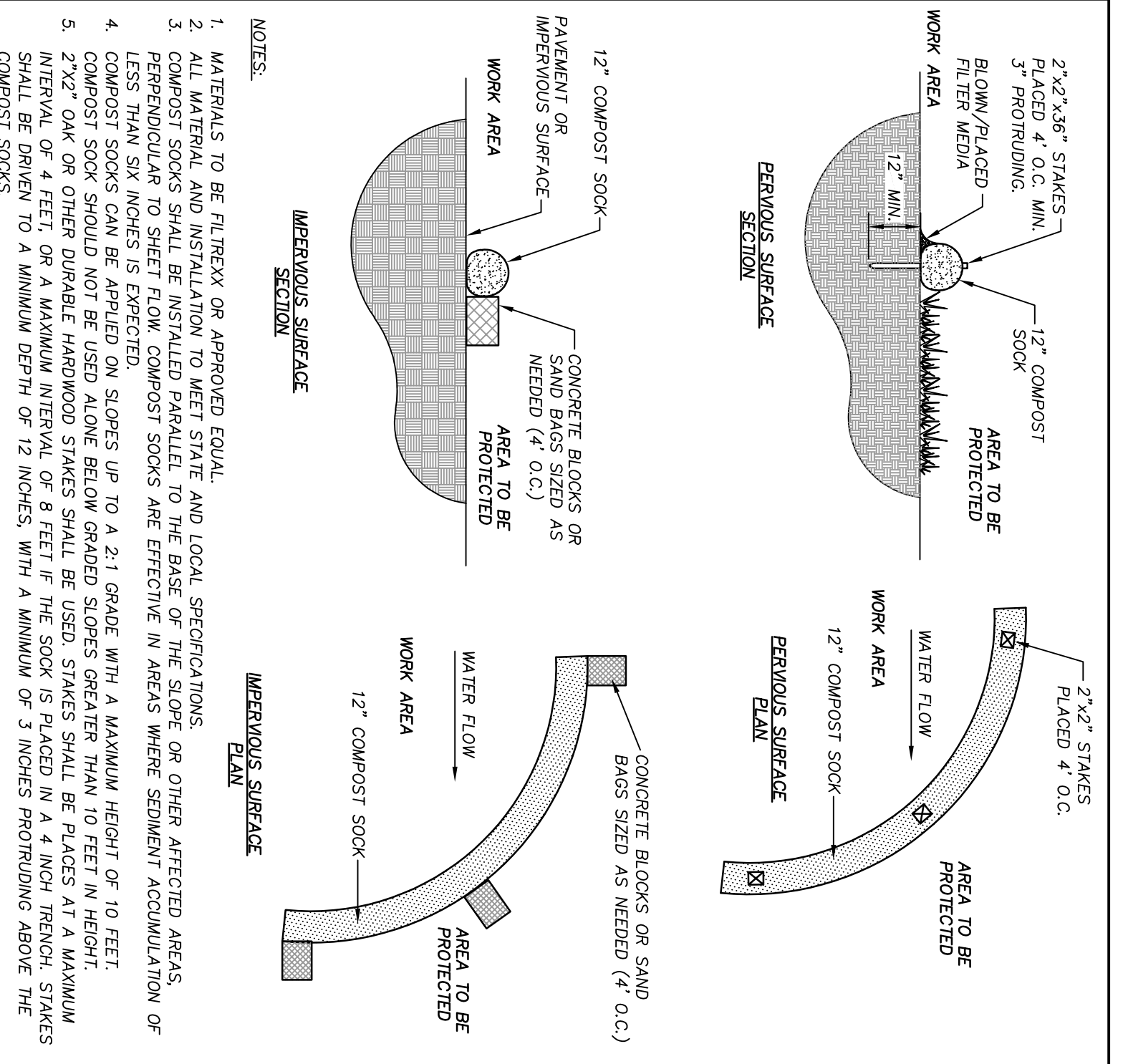
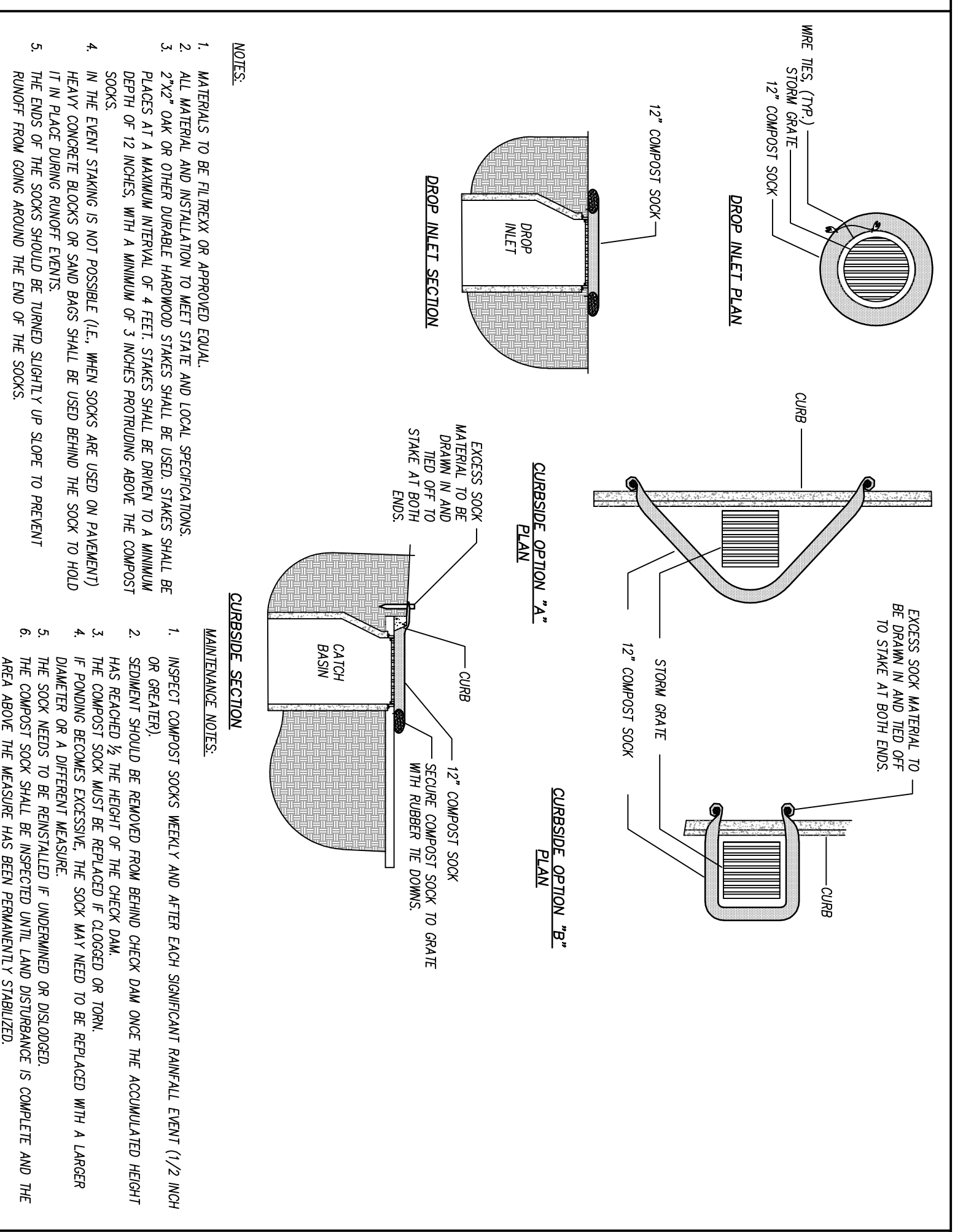
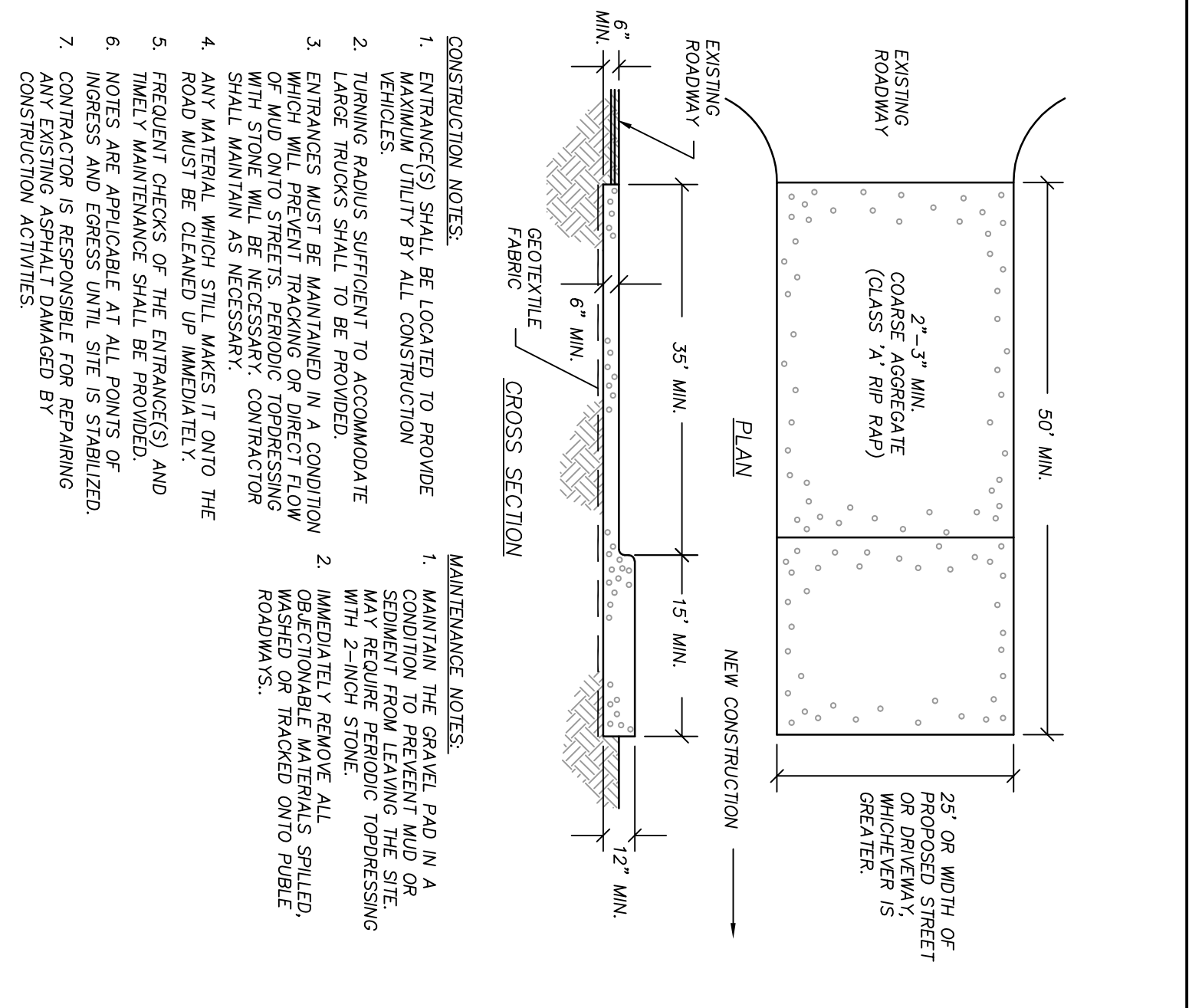
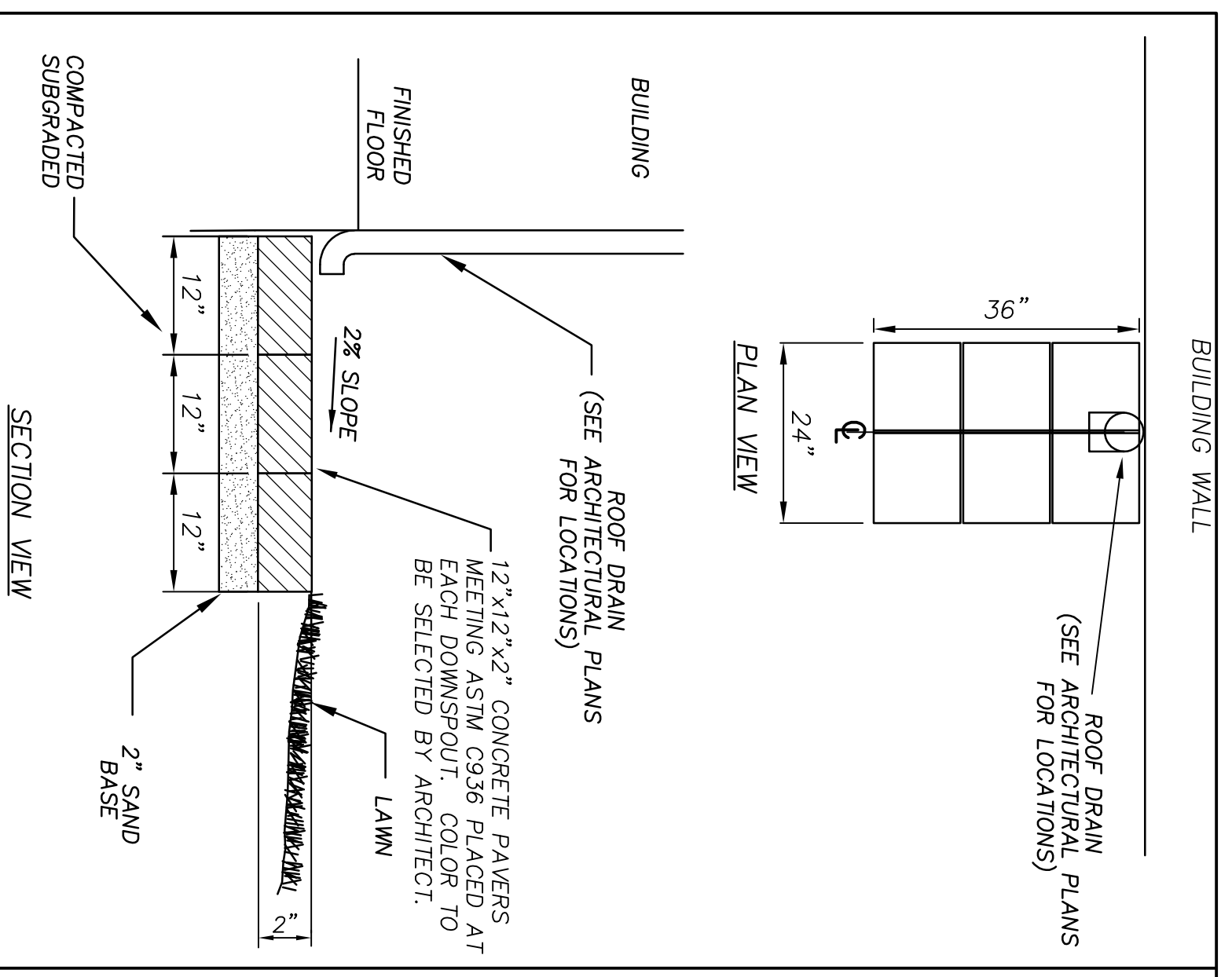
LANDSCAPE PLAN  
CG01

**SAWYER SHERWOOD & ASSOCIATE ARCHITECTURE**

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910.742.0892

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LIC: 12-160 Lic. CA 2595





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www.clmdesignpa.com

**NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT**

1588  
11-12-19

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

CITY OF WILMINGTON MINOR SITE PLAN SUBMITTAL  
11/12/2019

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

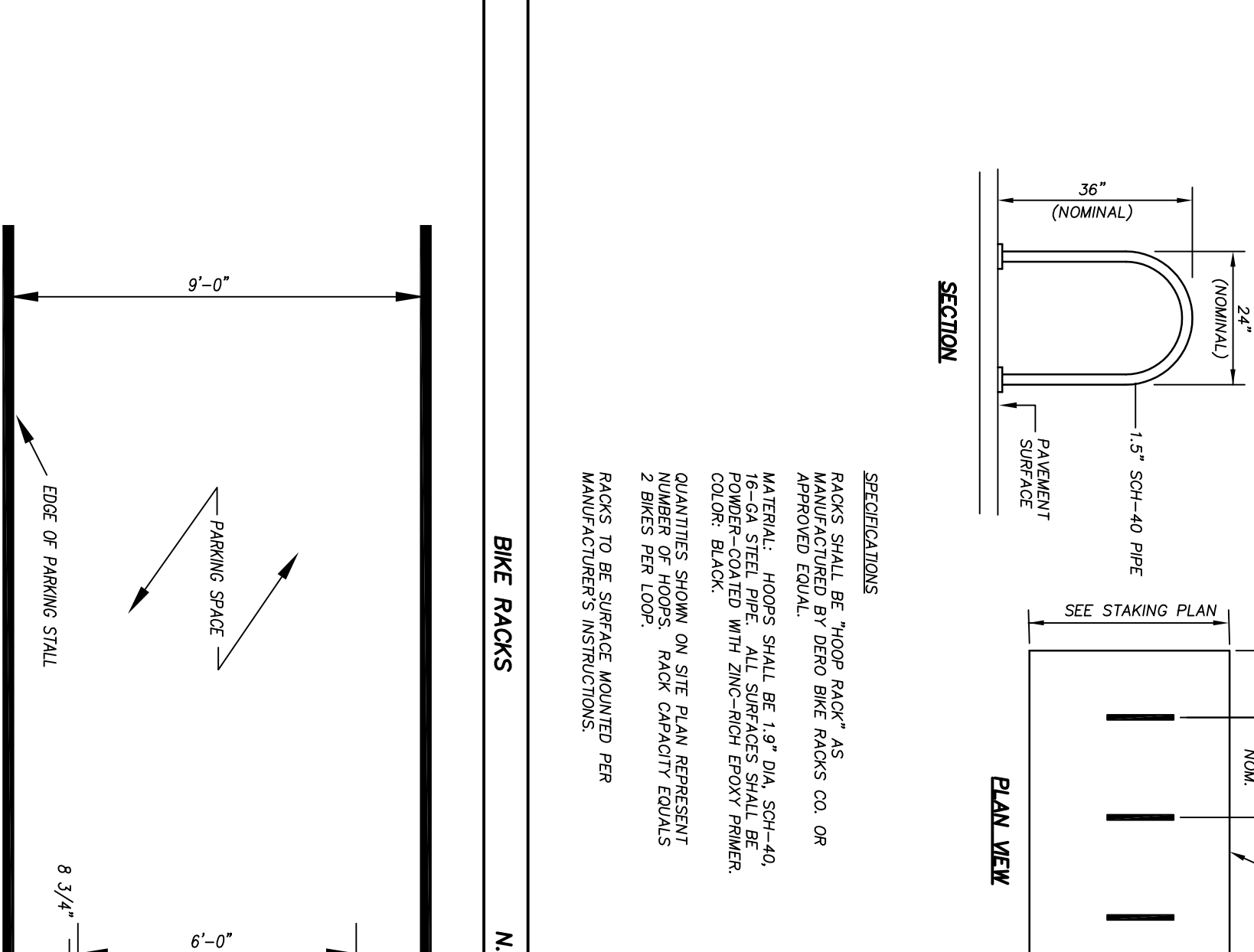
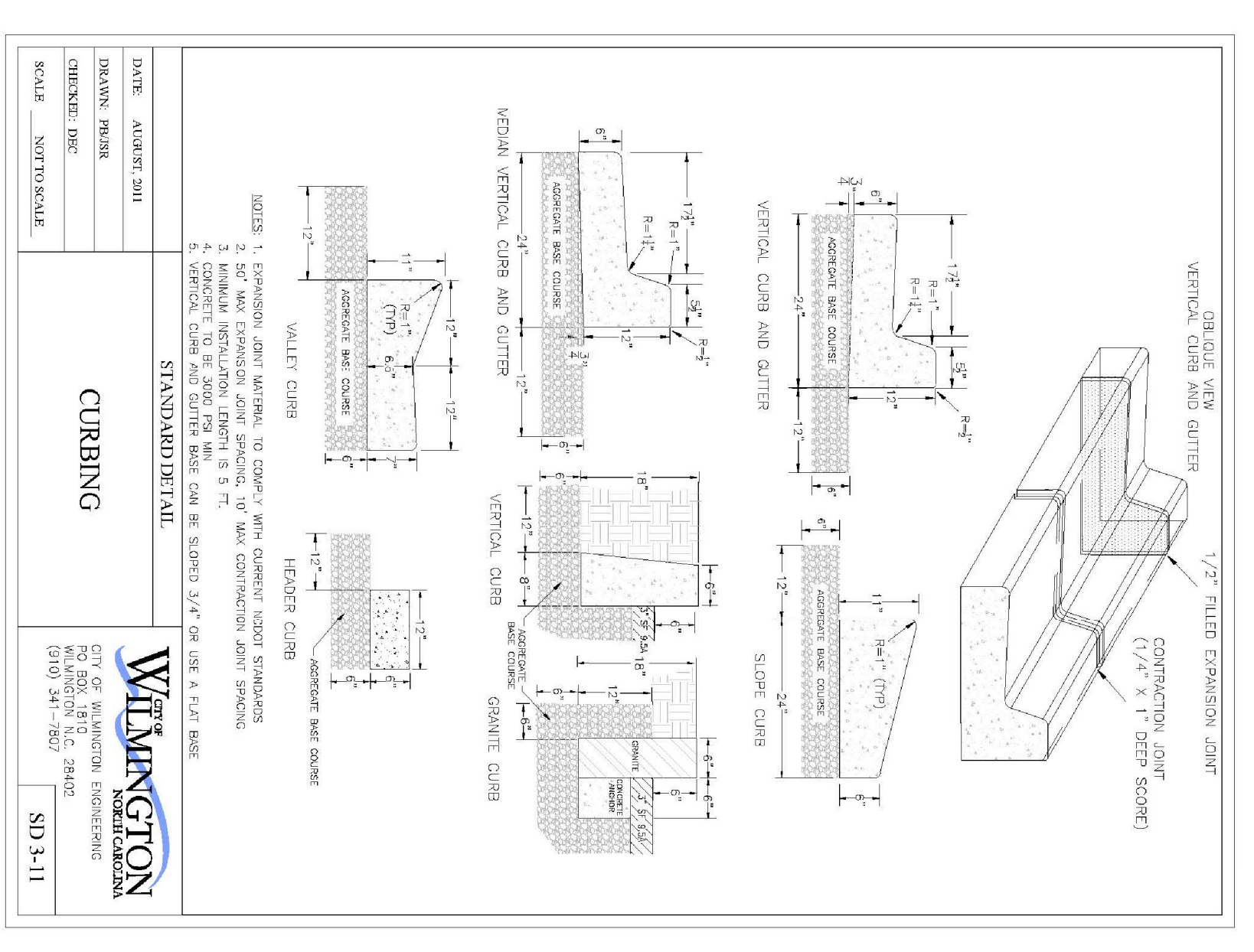
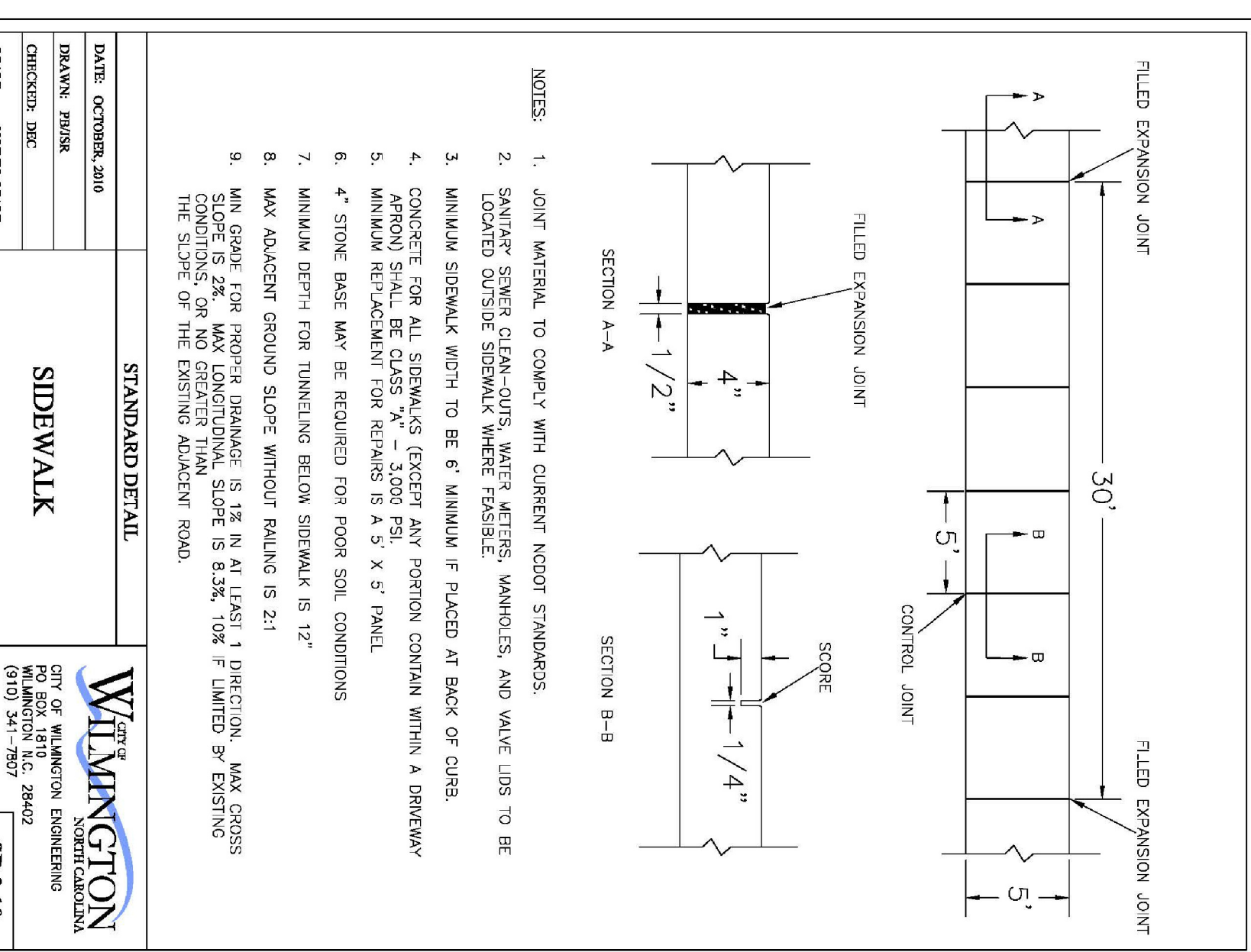
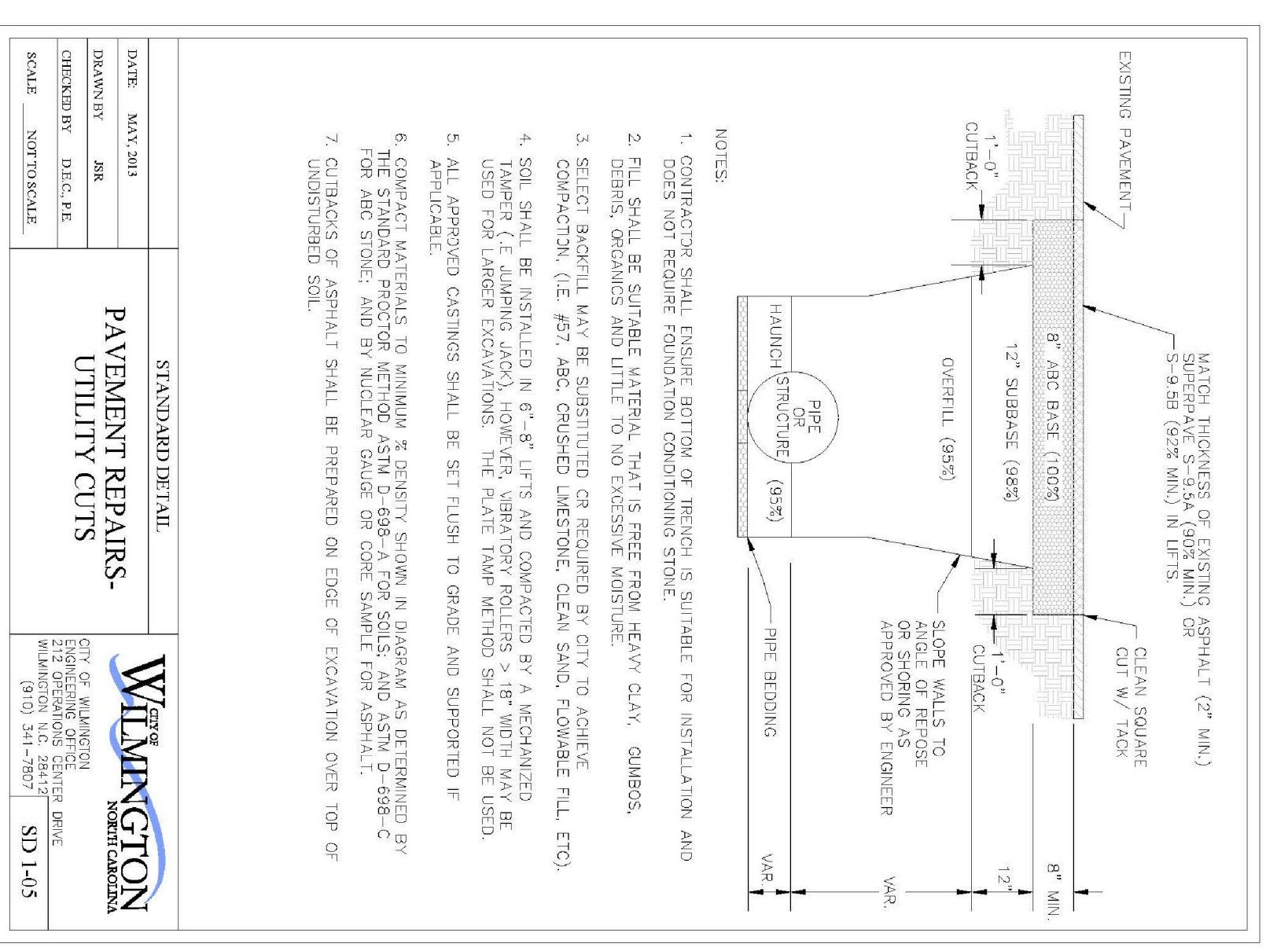
APPROVED CONSTRUCTION PLAN

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

TRAFFIC: \_\_\_\_\_  
PRE: \_\_\_\_\_

**DETAILS**  
C701

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**SAWYER SHERWOOD & ASSOCIATE ARCHITECTURE**

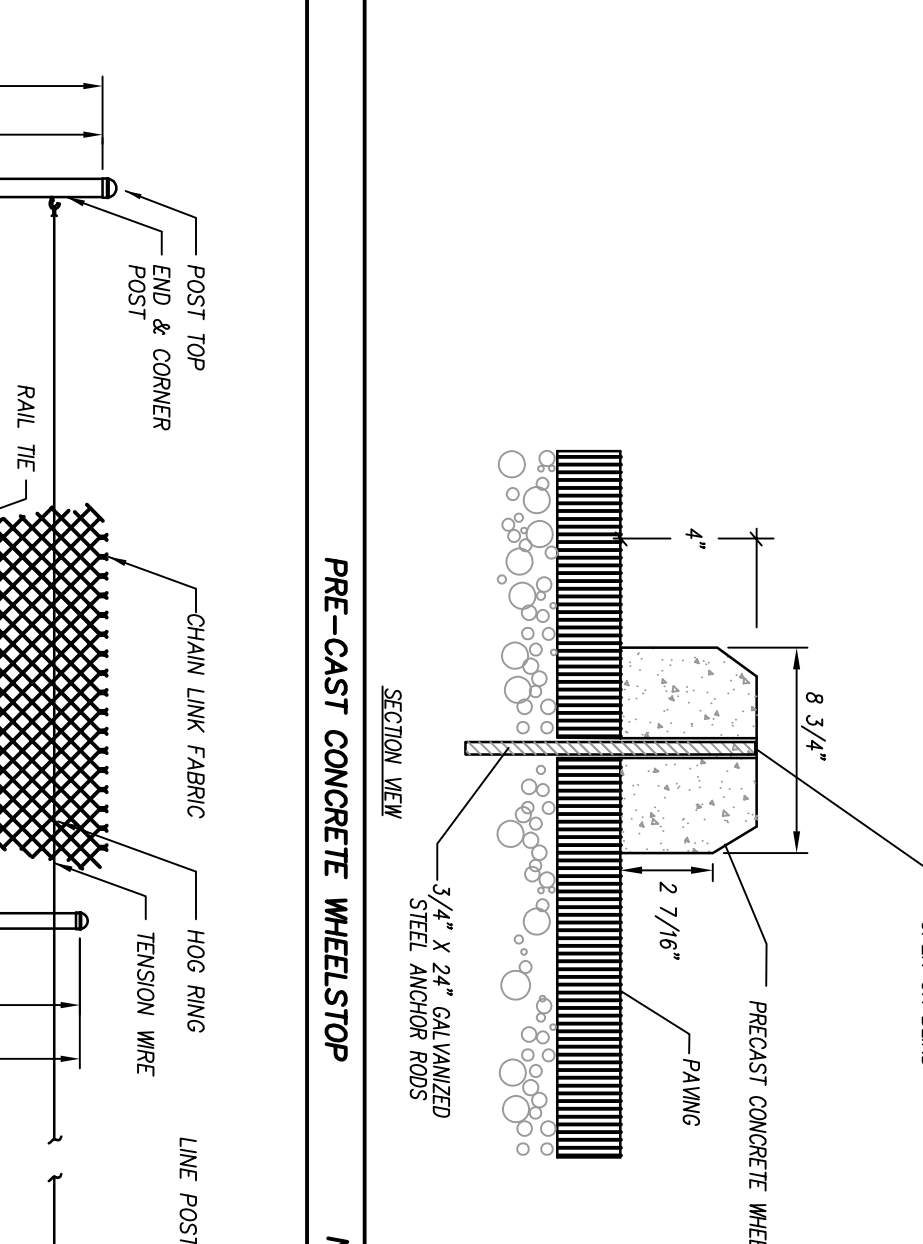
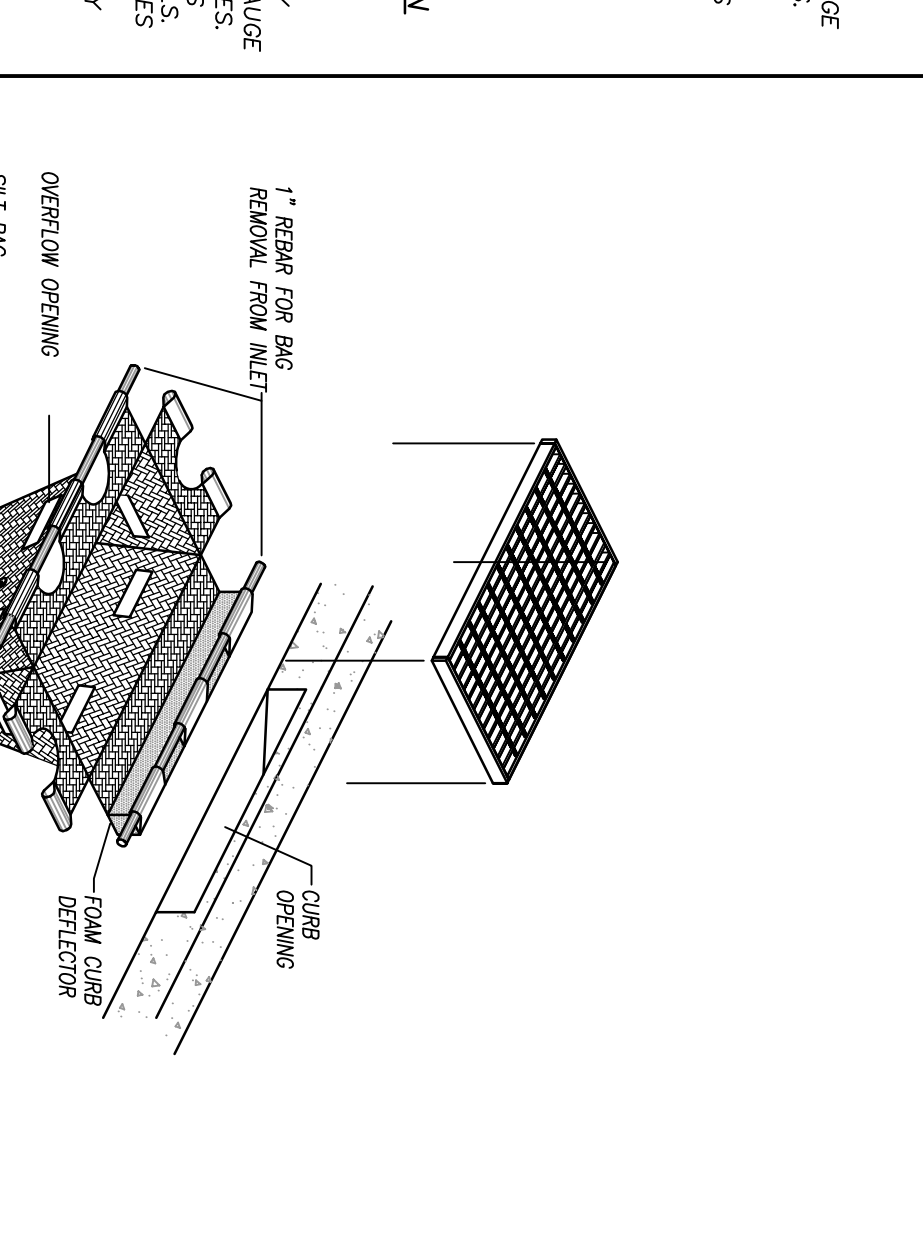
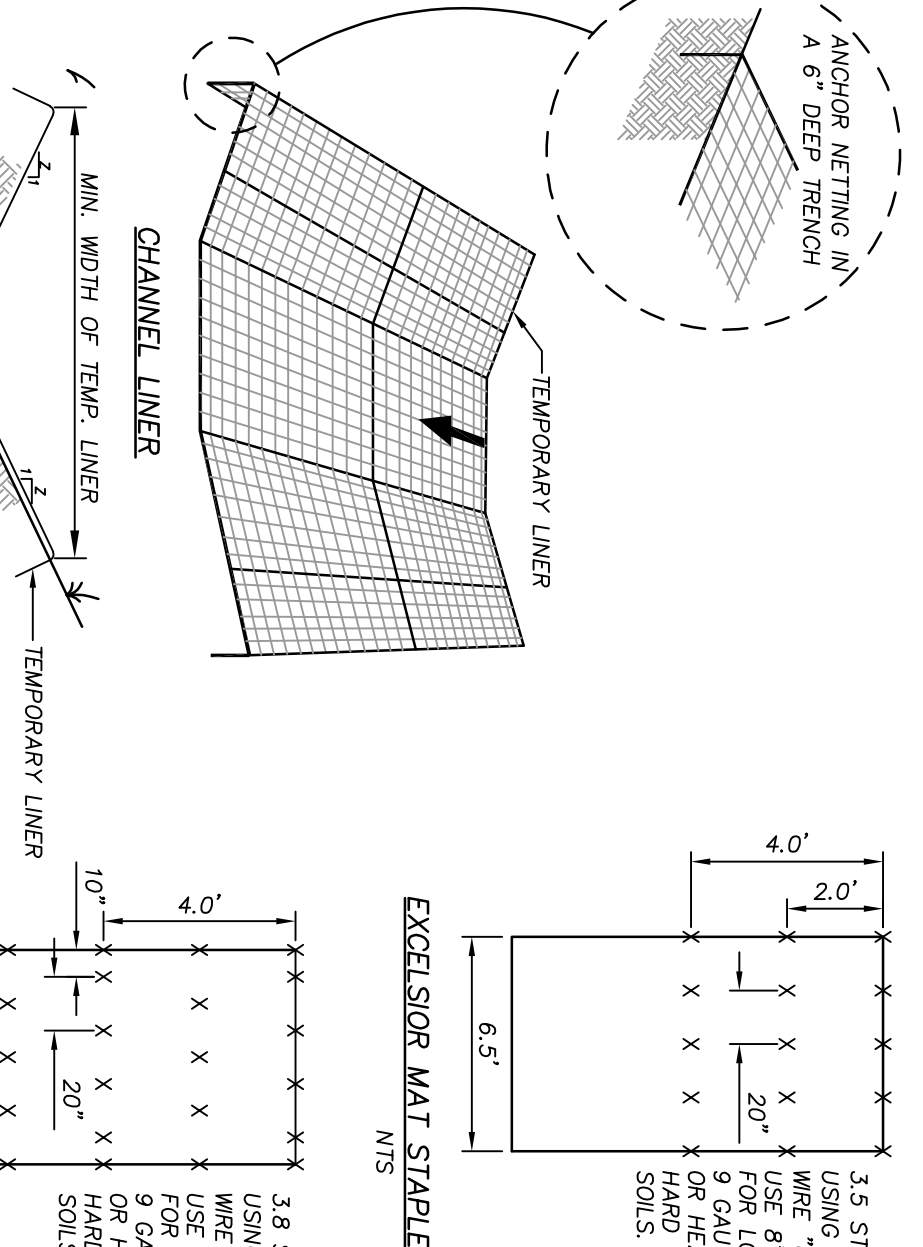
124 Market St. Wilmington, NC 28401  
910.742.0892

**CLH DESIGN/PA**  
Sole 702 2756  
Phone 919 319 6716  
Fax 919 319 2116  
Cell 919 319 1595

**MAINTENANCE NOTES:**

- INSPECT THE BARBER AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL AND REPAIR IMMEDIATELY.
- REMOVE SEDIMENT AND RESTORE SEDIMENT STORAGE AREA TO ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE RAMP.
- CHECK THE STRUCTURE FOR DAMAGE AND REPLACE ANY DEFACED REPAIR IMMEDIATELY.
- APPROPRIATELY STABILIZE ALL BARE AREAS AROUND THE INLET.

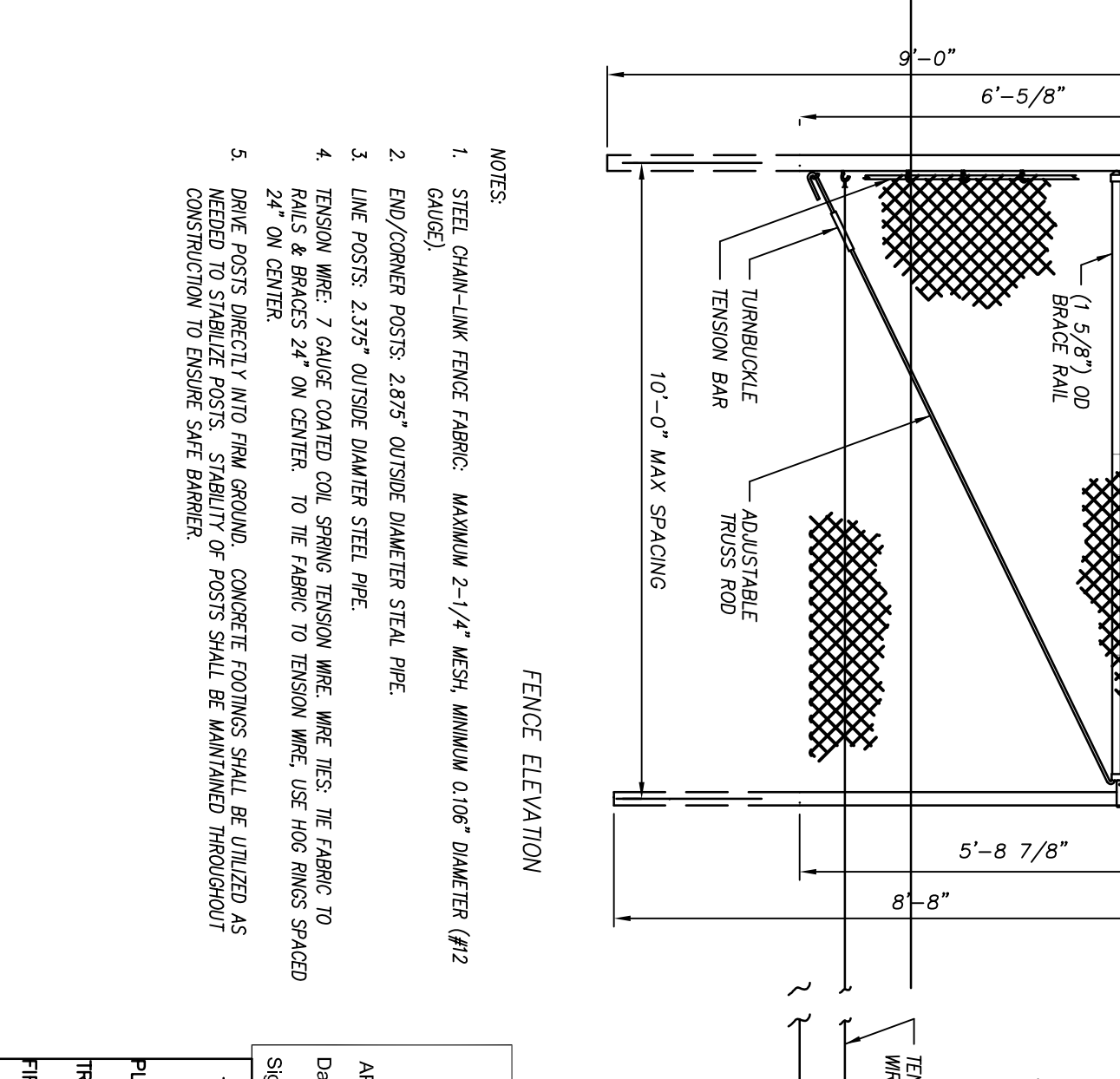
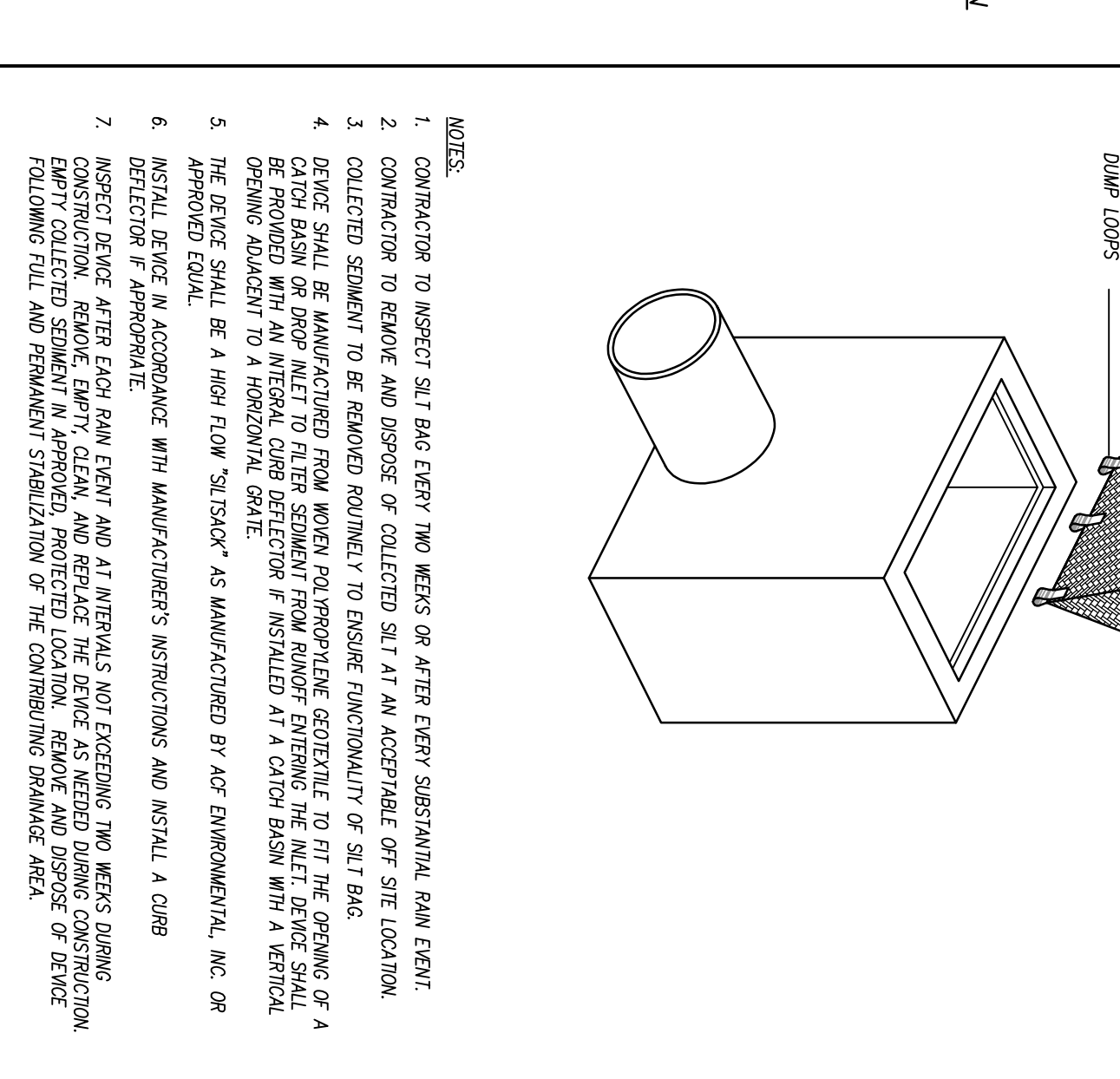
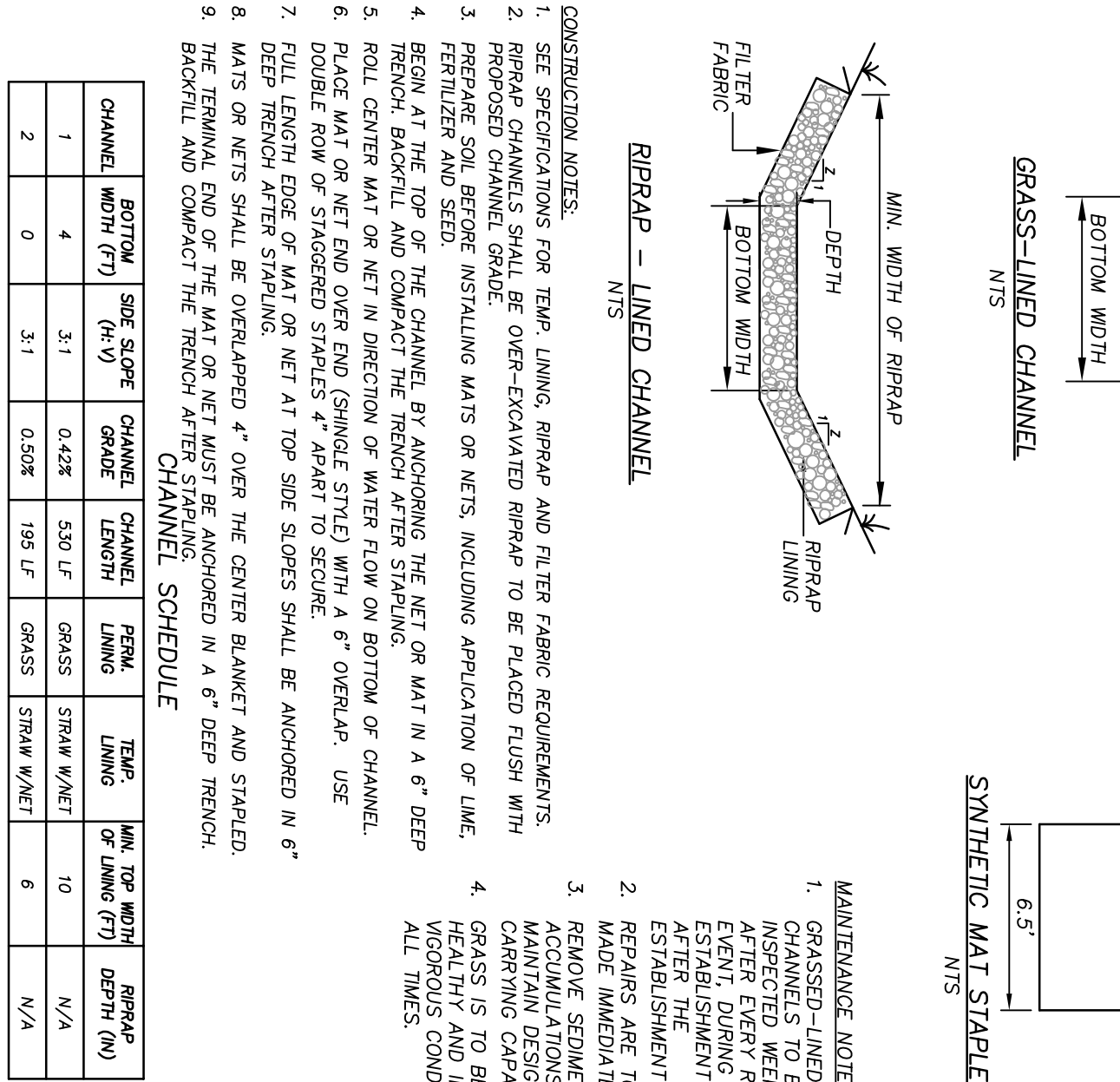
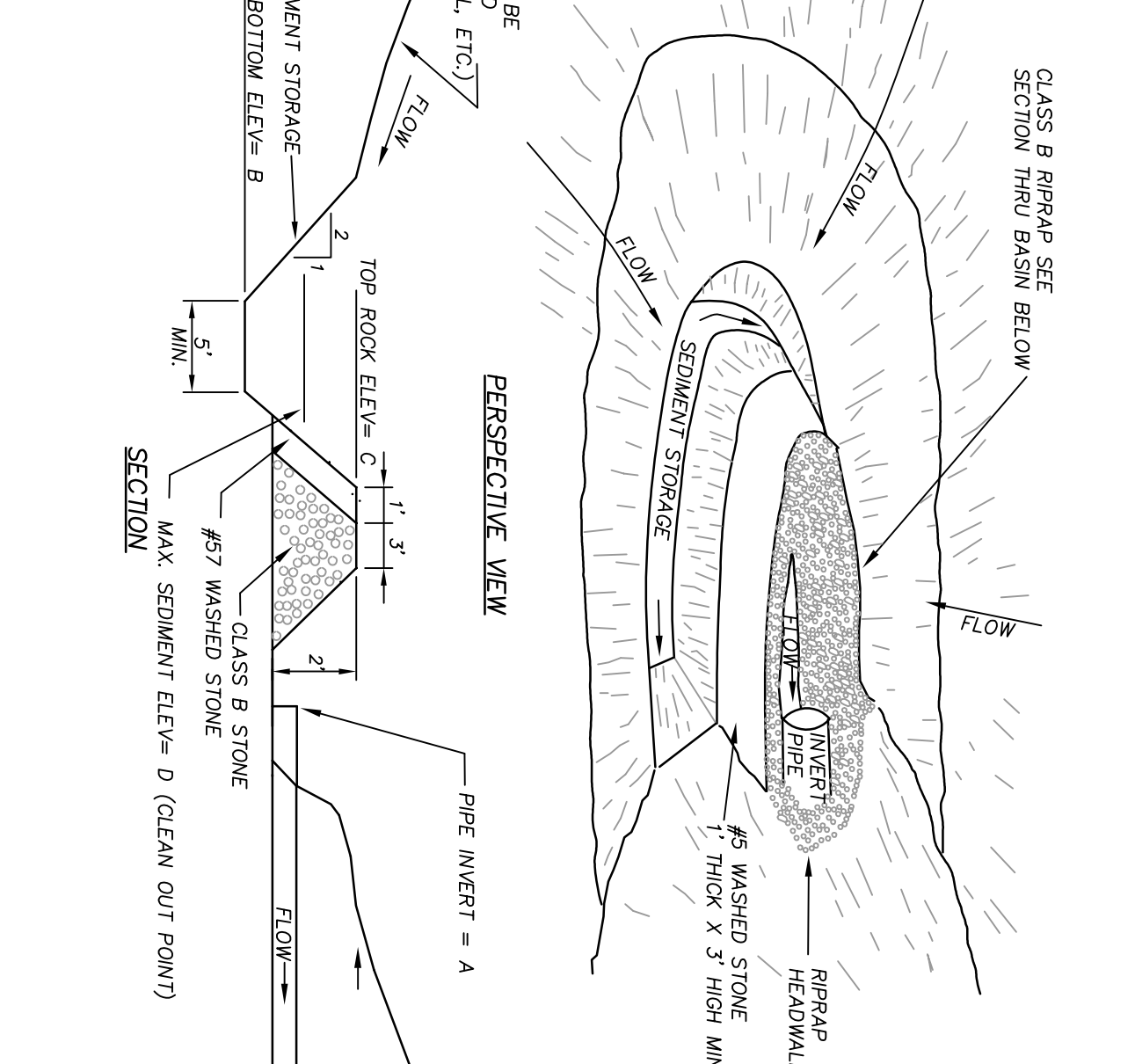
Basin Number	Inlet Number	A (ft)	B (ft)	C (ft)	D (ft)
1	01	382.47	375.29	378.79	372.04
2	07	382.47	380.97	384.47	382.72
3	08	360.64	359.14	362.64	360.89
4	M1	357.28	355.78	359.28	357.53
5	M5	356.30	354.80	358.30	356.55
6	P1	316.50	315.00	318.50	316.75



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

CITY OF WILMINGTON MINOR SITE PLAN SUBMITTAL  
11/12/2019

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

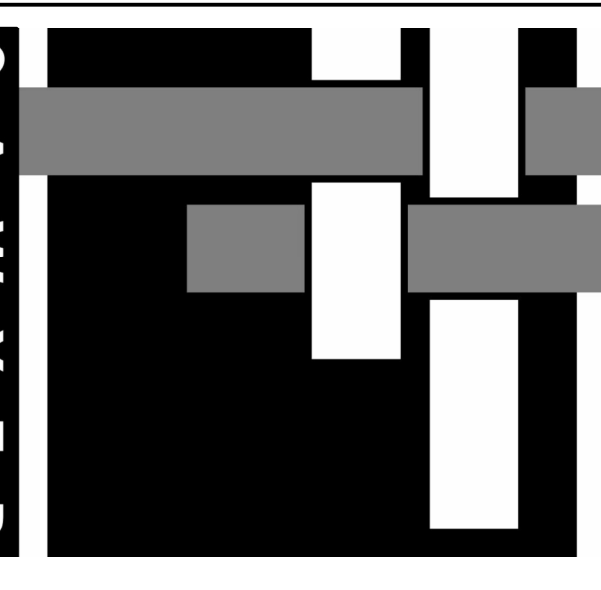


**WILMINGTON CITY UTILITIES**  
Public Services • Engineering Division  
APPROVED STORMWATER MANAGEMENT PLAN

APPROVED CONSTRUCTION PLAN  
NAME \_\_\_\_\_ DATE \_\_\_\_\_  
PLANNING \_\_\_\_\_  
TRAFFIC \_\_\_\_\_  
PRE \_\_\_\_\_

**CLH DESIGN/PA**  
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Phone 919 319 6716  
Fax 919 319 2116  
Cell 919 319 1595

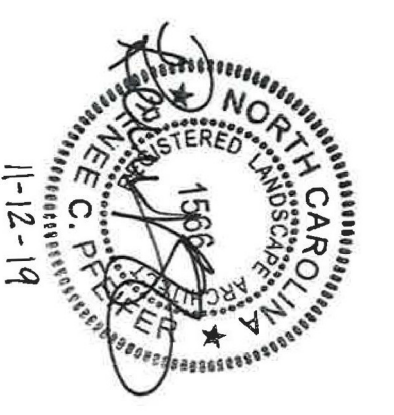
**SAWYER SHERWOOD & ASSOCIATE ARCHITECTURE**  
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**SAWYER SHERWOOD & ASSOCIATE ARCHITECTURE**

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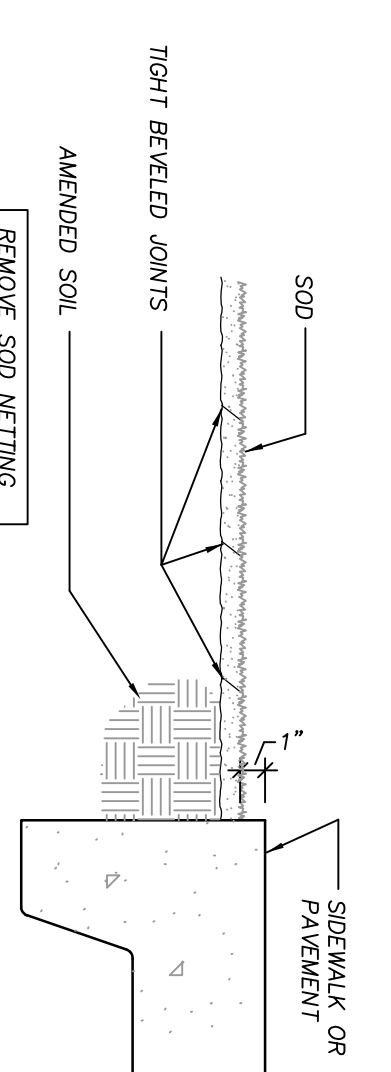
**MAIDES PARK GYMNASIUM ADDITION**  
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CITY OF WILMINGTON MINOR SITE PLAN SUBMITTAL  
11/12/2019

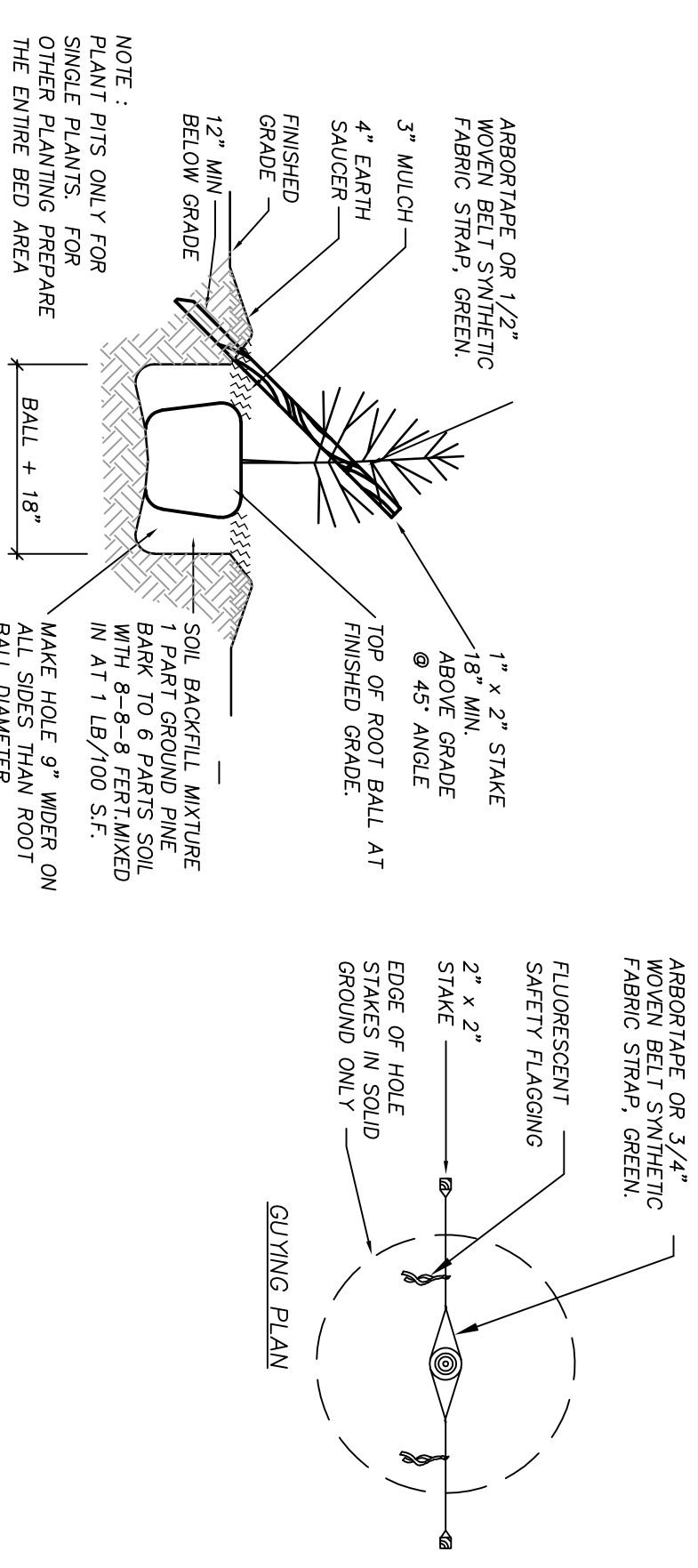
Revisions:

**DETAILS**

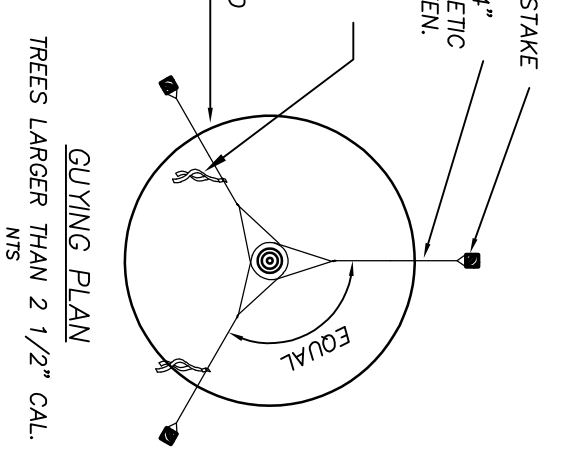
C703



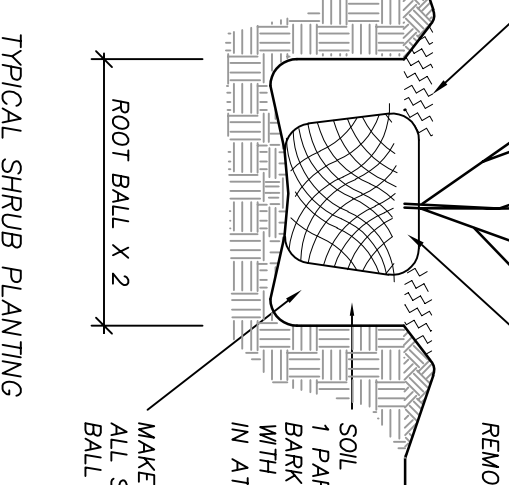
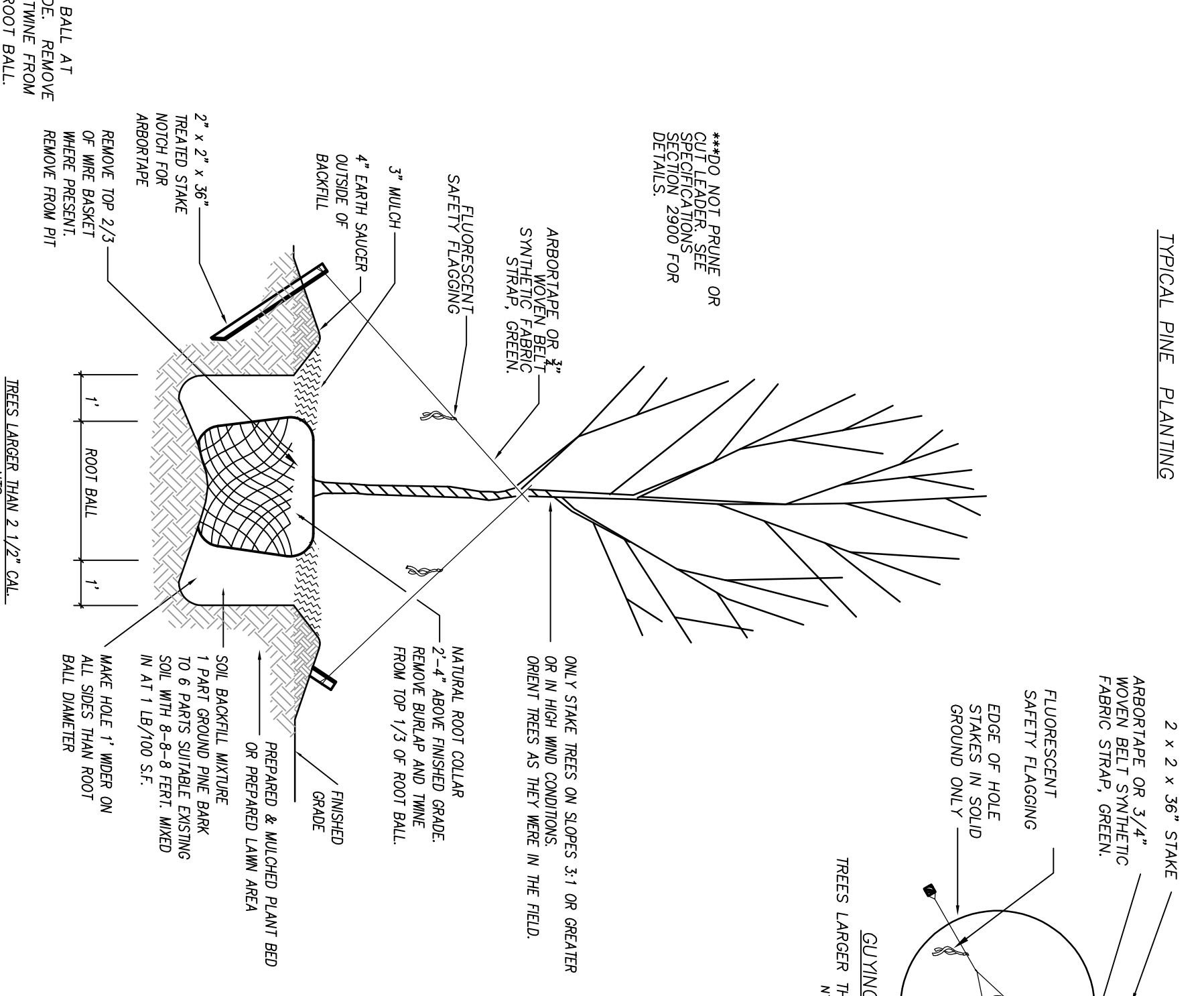
**SOD INSTALLATION**



**TYPICAL PINE PLANTING**



**QUINING PLAN**



**TYPICAL SHRUB PLANTING**

- PERMANENT OR TEMPORARY GROUND COVER SHALL BE PROVIDED OVER ALL DISTURBED AREAS OF THE PROJECT. THE GROUND COVER SHALL BE INSTALLED WITHIN 21 DAYS AFTER CONSTRUCTION ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED DURING ANY PHASE OF WORK.
- USE EXISTING MATERIAL TO COVER THE BOTTOM OF CHANNELS.
- APPLY 4000 LB/ACRE GRASS STRAW OVER SEDED AREAS AND APPLY ASPHALT TACKING AT A RATE OF 400 GAL./ACRE. SPRING MATERIALS MUST NOT BE ALLOWED TO WASH DOWN SLOPES AND CLOSURE DRAINAGE DEVICES.

**SEEDBED PREPARATION**

- CHISEL ALL OUT 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 SMOOTH AND UNIFORM.
- APPLY AGRICULTURAL LIME, FERTILIZER, AND PHOSPHATE UNIFORMLY AS PER SPECIFICATIONS AND MIX WELL WITH SOIL.
- CONTINUE TILLAGE UNTIL A WELL-PULVERIZED, FINELY REASONABLY UNIFORM SOIL IS PREPARED TO A 6" MINIMUM DEPTH.
- SEED AT RATE SPECIFIED. AGREE AND MAINTAIN MINIMUM 95% COVERAGE THROUGHOUT THE ENTIRE PLANTING AREA.
- MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH. BEGO THROUGHOUT THE ENTIRE PLANTING SEASON. IF POSSIBLE, IF STAND SHOULD BE OVER 60% DENSITY, ALLOW GRASS TO GROW TO A MINIMUM OF 4" BEFORE MULCHING.
- INSPECT ALL SEDED AREAS AND MAKE NECESSARY REPAIRS OR RESEEDINGS WITHIN THE PLANTING SEASON. IF POSSIBLE, IF STAND SHOULD BE OVER 60% DENSITY, ALLOW GRASS TO GROW TO A MINIMUM OF 4" BEFORE MULCHING.
- REFER TO WRITER SPECIFICATIONS FOR WARRANTY AND MAINTENANCE OF LAWNS PRIOR TO OWNER'S FINAL ACCEPTANCE.
- IF CONDITIONS OCCUR BETWEEN WRITER SPECIFICATIONS AND THE DRAWINGS, THE WRITER'S SPECIFICATIONS SHALL PREVAIL.

**PERMANENT SEEDING SCHEDULE - LAWN AREAS**

APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS. APPLY A MINIMUM OF 2 TONS/ACRE GROUND APPLIED FINE LIME (3 TONS/ACRE IN CLAY SOILS) AND A MINIMUM 500 LB/ACRE 10-10-10 FERTILIZER. AS NEEDED TO ESTABLISH 95% COVERAGE. (4 TONS/ACRE FOR 1000 SQUARE YARD BASIS) PRIOR TO SUBSTANTIAL COMPLETION. CONTRACTOR TO SUBMIT A COPY OF ALL SOIL REPORTS TO OWNER UPON REQUEST.

**LIME & FERTILIZATION SCHEDULE**

DATE	TREE	PLANTING RATE
AUG 15 - APR 15	3-WAY TALL FESCUE BLEND AND WINTER RYE (GRASS)	240 LBS./ACRE
APR 15 - AUG 15	3-WAY TALL FESCUE BLEND AND GERMAN WHEAT *** (SMALL-STEMMED VARI.) ***	240 LBS./ACRE 23 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**

DATE	TREE	PLANTING RATE
APR 15 - JULY 15**	HULLED SUNSTAR BERMAUDA	65 LBS./ACRE*
JULY 15 - AUG 15	SUNSTAR BERMAUDA SPRIGS (WAITING AT CONTRACTOR'S EXPENSE)	5 BUSHELS/1,000 SF
AUG 15 - APR 15	TEMPORARY SEEDING APPLIES**	

\* 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, CONTRACTOR SHALL BE RESPONSIBLE FOR PERMANENT SEEDING AS SPECIFIED IN SECTION 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.

**STANDARD/DETAIL**

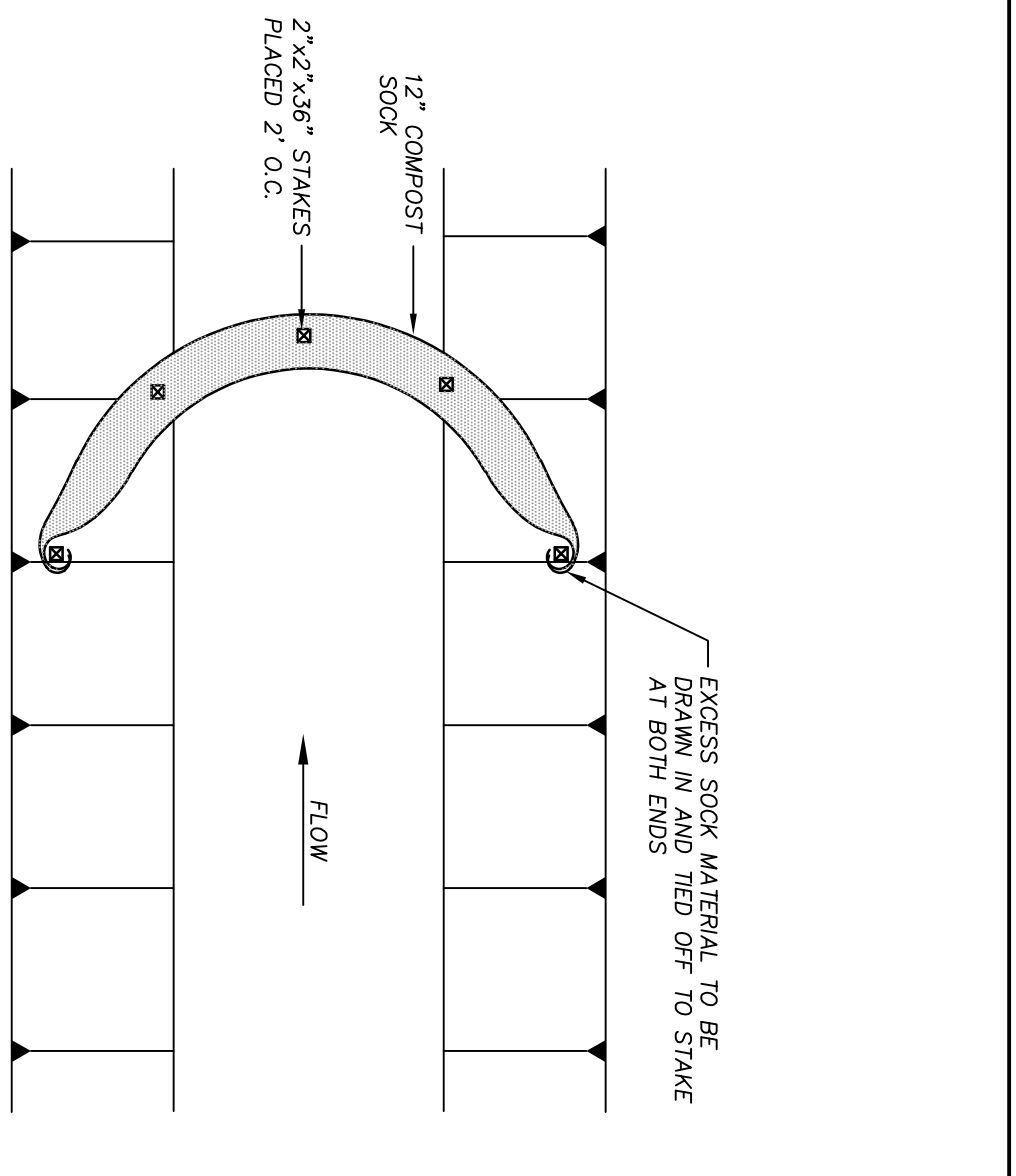
**LANDSCAPE NOTES**

DATE: APRIL 2018  
DRAWN BY: JIM  
CHECKED BY: B.J. HALE  
SCALE: NOT TO SCALE  
SD 15-114

**WILMINGTON**  
SOUTH CAROLINA  
OFFICE OF THE CITY ENGINEER  
1101 MANLY AVENUE  
WILMINGTON, NC 28405  
TEL: 910.341.3800

- 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 of 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.

**CITY OF WILMINGTON DETAILS**



- NOTES:**
- MATERIALS TO BE FURREX OR APPROVED EQUAL.
  - ALL MATERIAL AND INSTALLATION TO MEET STATE AND LOCAL SPECIFICATIONS.
  - COMPOST SOCK MAY BE USED AS CHECK DAMS IN DITCHES NOT EXCEEDING 3 FEET IN DEPTH.
  - PROVIDE SOCK INSTALLATION, CENTRAL AND OTHER INTERFERE WITH PROPER FUNCTION.
  - 2 1/2" OAK OR OTHER DURABLE HARDWOOD STAKES SHALL BE USED. STAKES SHALL BE PLACED AT A MAXIMUM INTERVAL OF 2 FEET. STAKES SHALL BE PLACED WITH A MINIMUM OF 1 INCHES FROM THE END OF THE SOCK.
  - THE ENDS OF THE SOCKS SHOULD BE TURNED SLIGHTLY UP SLOPE TO PREVENT RAINOFF FROM COMING AROUND THE END OF THE SOCKS.
  - CHECK DAM SHOULD BE USED IN AREAS THAT DRAIN.
  - CHECK DAM CAN BE DIRECT SEED AT THE TIME OF INSTALLATION.
- MAINTENANCE NOTES:**
- INSPECT COMPOST SOCKS WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT (1/2 INCH OR GREATER).
  - DAM ONCE THE ACCUMULATED HEIGHT HAS REACHED 12 INCHES.
  - IF COMPOST SOCK MUST BE REPLACED F CLOSED OR TORN.
  - IF FLOWING BECOMES EXCESSIVE, THE SOCK MAY NEED TO BE REPLACED WITH A LARGER DIAMETER OR A DIFFERENT MEASURE.
  - THE SOCK NEEDS TO BE REINSPECTED IF OVERBANKED.
  - THE COMPOST SOCK SHALL BE INSPECTED UNTIL LAND DISTURBANCE IS COMPLETE AND THE AREA ABOVE THE MEASURE HAS BEEN PERMANENTLY STABILIZED.

**TEMPORARY COMPOST SOCK CHECK DAM**

N.T.S.

**PLANTING DETAILS**

N.T.S.

**WILMINGTON**  
SOUTH CAROLINA  
Public Services • Engineering Division  
APPROVED STORMWATER MANAGEMENT PLAN

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

Signed: \_\_\_\_\_  
NAME DATE

PLANNING \_\_\_\_\_  
TRAFFIC \_\_\_\_\_  
PRE \_\_\_\_\_

**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**

Site Area Description	Required Ground Stabilization Timeframes 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>• Strips 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**

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

**EQUIPMENT AND VEHICLE MAINTENANCE**

1. Maintain vehicles and equipment to prevent discharge of fluids.
2. Provide drip pans under any stored equipment.
3. Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.
4. Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).
5. Remove leaking vehicles and construction equipment from service until the problem has been corrected.
6. 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**

1. Never bury or burn waste. Place litter and debris in approved waste containers.
2. Provide a sufficient number and size of waste containers (e.g. dumpster, trash receptacle) on site to contain construction and domestic wastes.
3. Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
4. 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.
5. Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
6. Anchor all lightweight items in waste containers during times of high winds.
7. Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.
8. Dispose waste off-site at an approved disposal facility.
9. On business days, clean up and dispose of waste in designated waste containers.

**PAINT AND OTHER LIQUID WASTE**

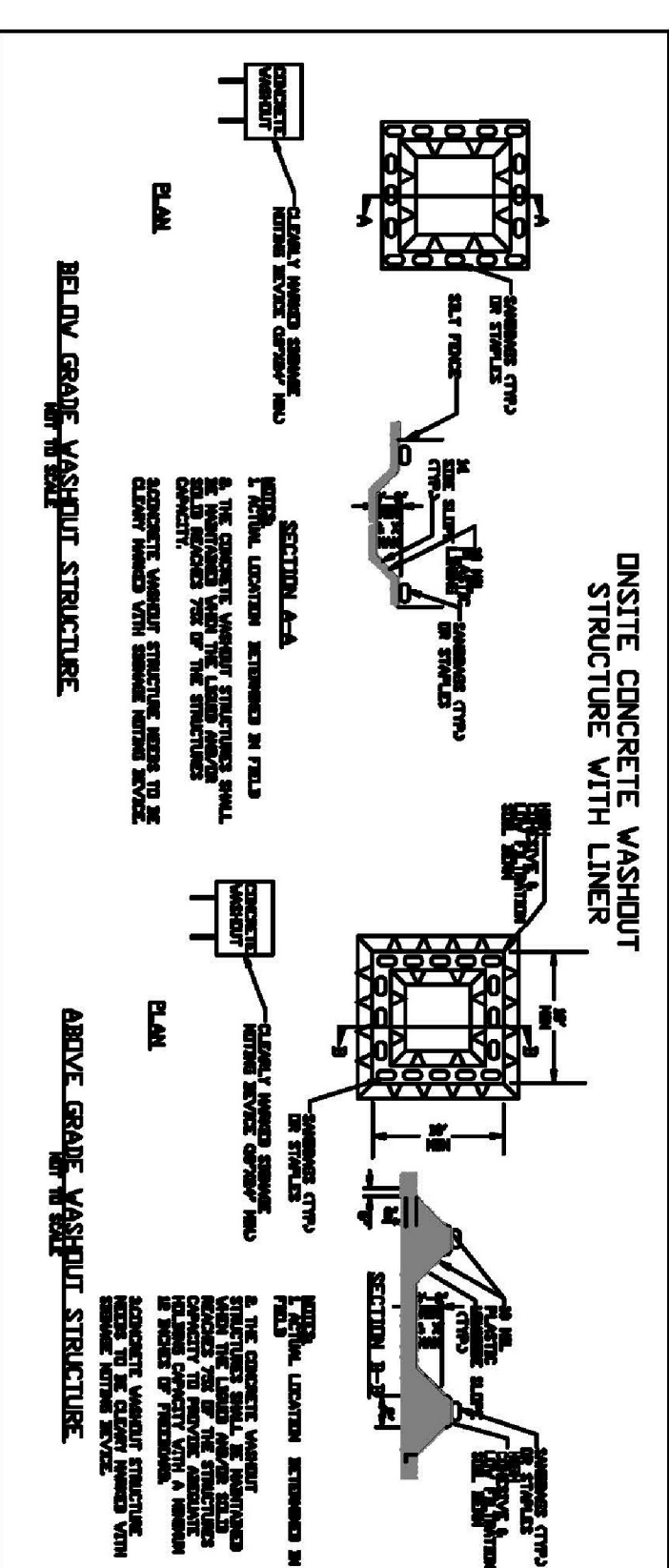
1. Do not dump paint and other liquid waste into storm drains, streams or wetlands.
2. Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
3. Contain liquid wastes in a controlled area.
4. Containment must be labeled,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

**PORTABLE TOILETS**

1. 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.
2. Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
3. 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**

1. 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.
2. Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
3. Provide stable stone access point when feasible.
4. 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**

1. Do not discharge concrete or cement slurry from the site.
2. Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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**

1. Store and apply herbicides, pesticides and rodenticides in accordance with label restrictions.
2. 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.
3. 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.
4. Do not stockpile these materials onsite.

**HAZARDOUS AND TOXIC WASTE**

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

**NCG01 GROUND STABILIZATION AND MATERIALS HANDLING**

EFFECTIVE: 04/01/19

APPROVED CONSTRUCTION PLAN  
 PLANNING NAME DATE  
 TRAFFIC \_\_\_\_\_  
 FIRE \_\_\_\_\_

DETAILS

C704

**S A W Y E R**  
**SHERWOOD & ASSOCIATE**  
**ARCHITECTURE**

124 Market St. Wilmington, NC 28401  
 910.742.0892 5203.com

**CLM DESIGN/PA**  
 400 Regency Forest Dr.  
 Suite 102 27516  
 Phone: 919.319.6176  
 Fax: 919.319.2016  
 Lic. # 14013



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

CITY OF WILMINGTON MINOR  
 SITE PLAN SUBMITTAL  
 11/12/2019

Revisions:

\_\_\_\_\_  
 \_\_\_\_\_  
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**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 gauges 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 (SDO3)	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 within 24 hours. 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 within 24 hours. 2. Records of the required reports to the appropriate Division Regional Office per Part III, Section C, Item (2)(e) 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 hand-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.



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

**EFFECTIVE: 04/01/19**

**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**

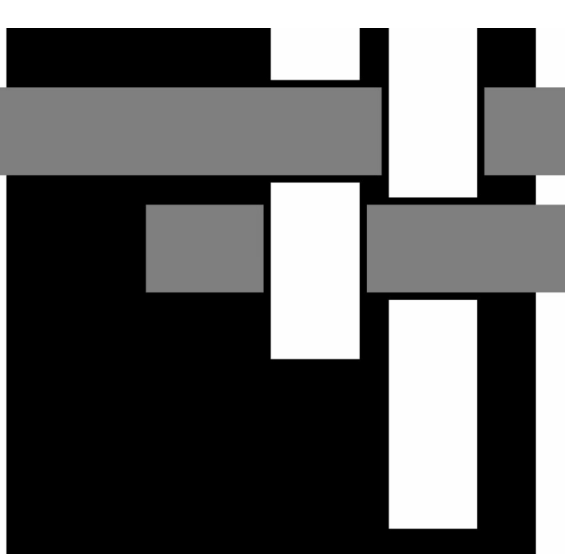
Permittees shall report the following occurrences:

- (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).
- (c) 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.
- (d) Anticipated bypasses and unanticipated bypasses.
- (e) Noncompliance with the conditions of this permit that may endanger health or the environment.

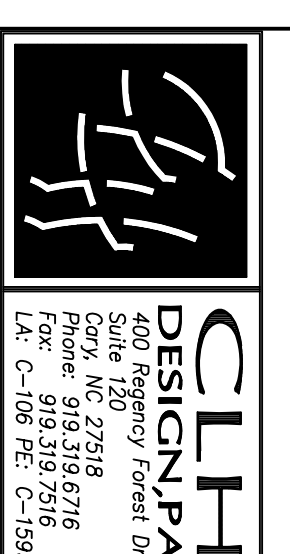
**2. Reporting Timeframes and Other Requirements**

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 <b>NC 303(d) list</b> 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> <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>
(b) Oil spills and hazardous substances per Item 1(b)-(c) above	<ul style="list-style-type: none"> <li>• <b>A report of 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> <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>
(c) Anticipated 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 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 recurrence of the noncompliance. [40 CFR 122.41(i)(6)].</li> <li>• Division staff may waive the requirement for a written report on a case-by-case basis.</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(i)(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 recurrence of the noncompliance. [40 CFR 122.41(i)(6)].</li> <li>• Division staff may waive the requirement for a written report on a case-by-case basis.</li> </ul>



124 Market St  
Wilmington, NC 28401  
910.742.0892  
5203.com



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

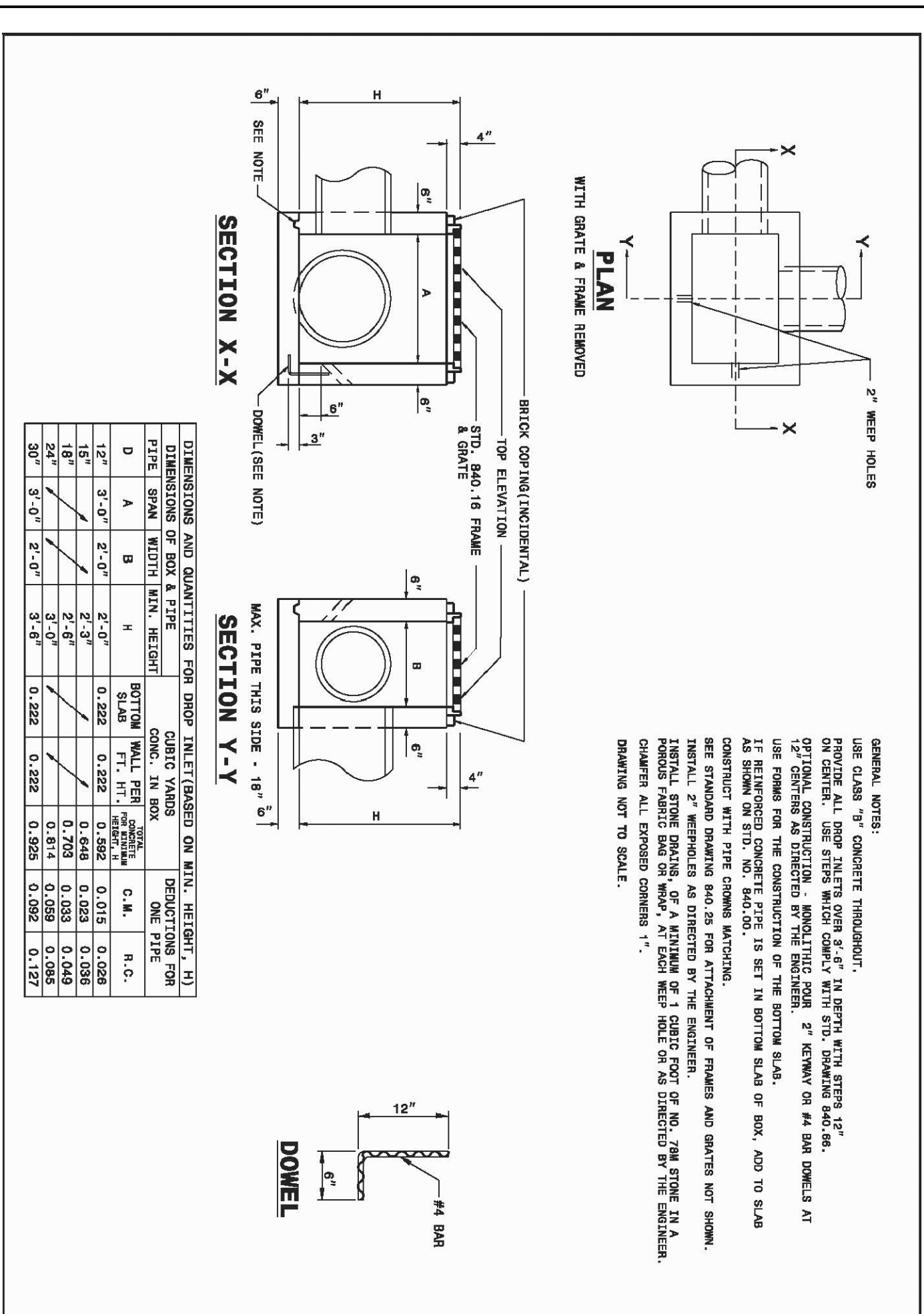
CITY OF WILMINGTON MINOR SITE PLAN SUBMITTAL  
11/12/2019

Revisions:

DETAILS

C705

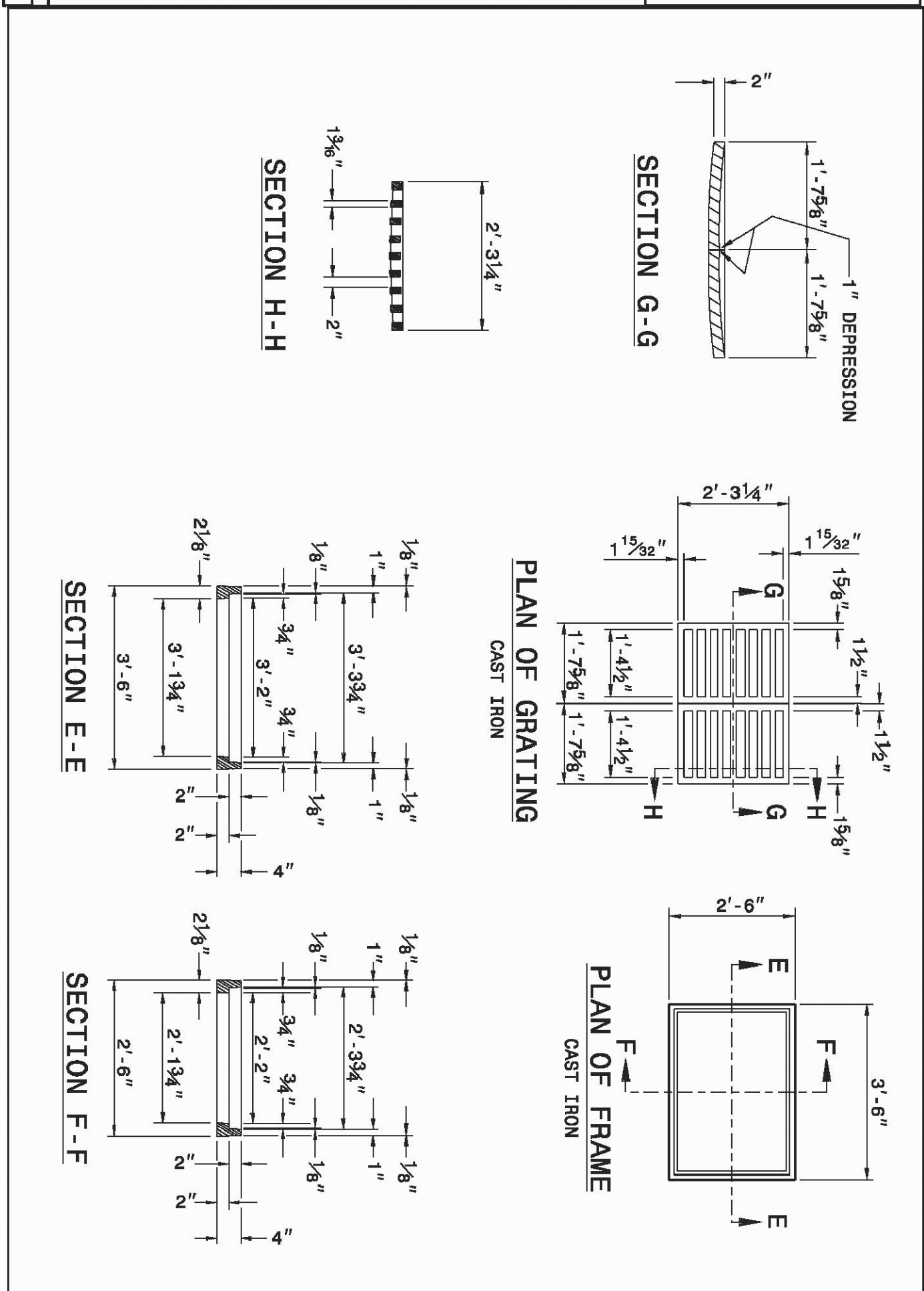
APPROVED CONSTRUCTION PLAN  
PLANNING NAME DATE  
TRAFFIC  
FILE



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

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

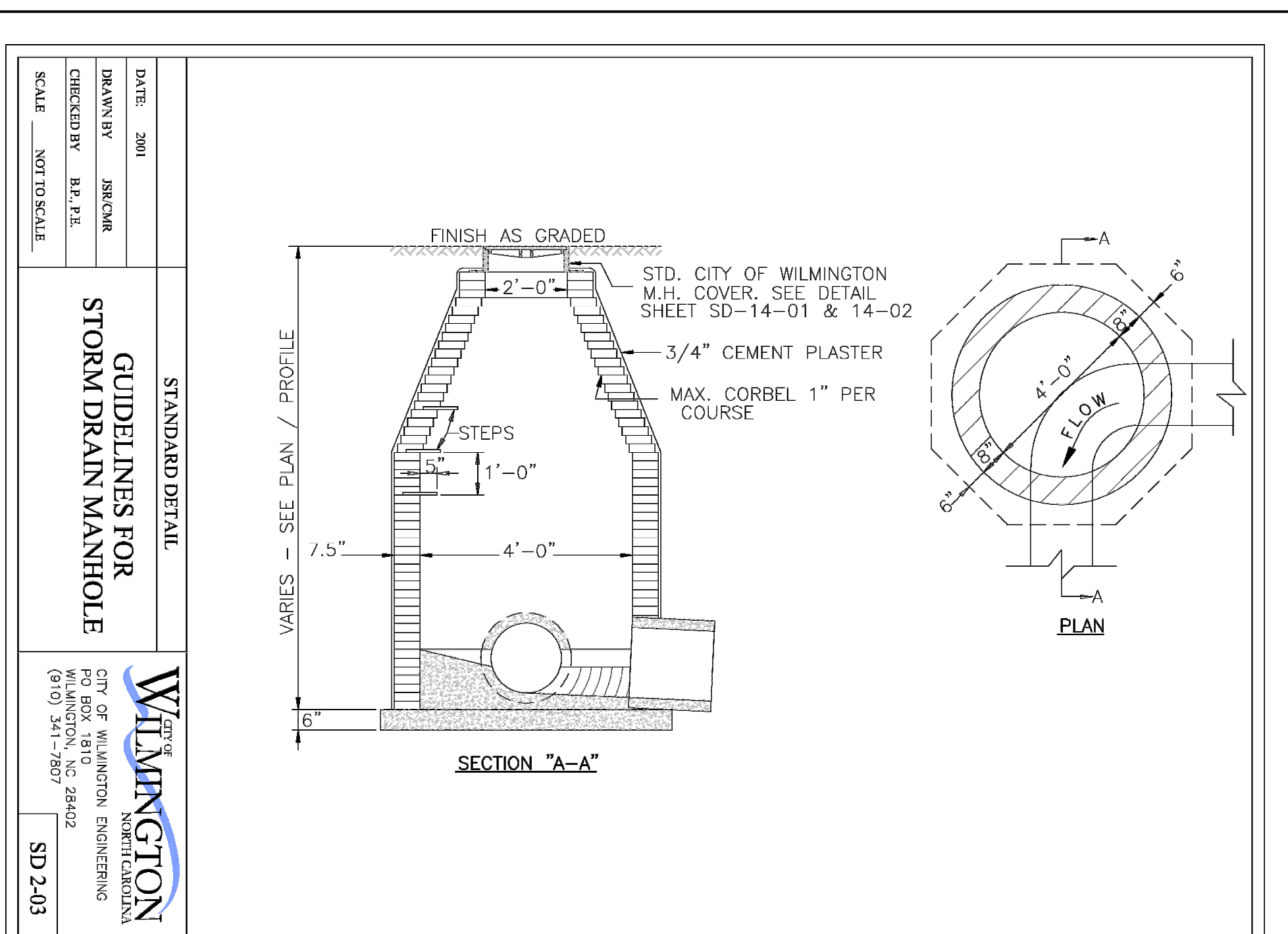
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STATE OF NORTH CAROLINA  
DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH, N.C.

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

840.16



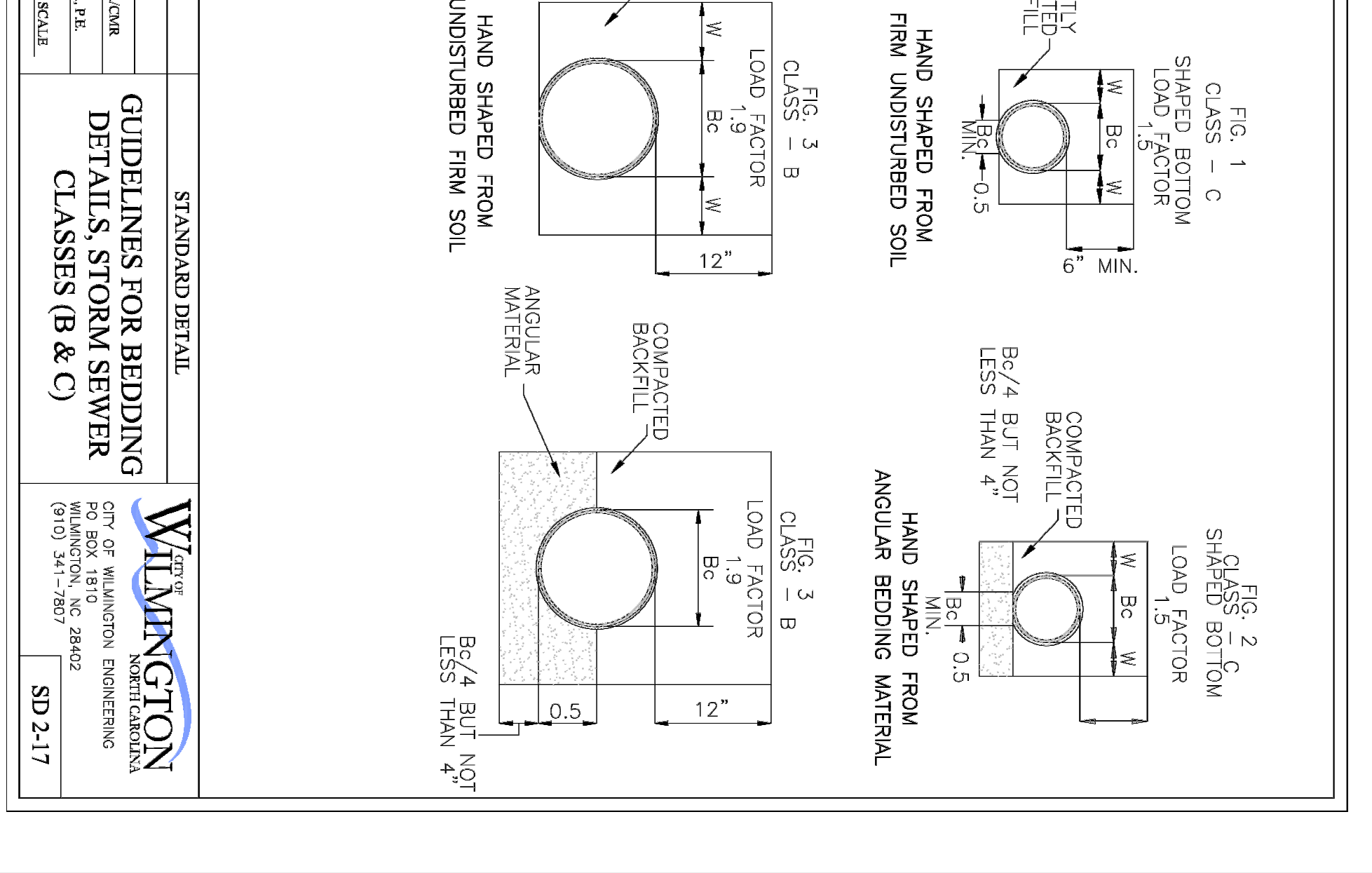
STANDARD DETAIL

**GUIDELINES FOR STORM DRAIN MANHOLE**

CITY OF WILMINGTON  
ENGINEERING  
1810 P.O. BOX  
WILMINGTON, NC 28402  
(919) 341-1650

DATE: 2001  
DRAWN BY: JSK/CM  
CHECKED BY: H.P. JE  
SCALE: NOT TO SCALE

SD 2-03



STANDARD DETAIL

**GUIDELINES FOR BEDDING DETAILS, STORM SEWER CLASSES (B & C)**

CITY OF WILMINGTON  
ENGINEERING  
1810 P.O. BOX  
WILMINGTON, NC 28402  
(919) 341-1650

DATE: 2001  
DRAWN BY: JSK/CM  
CHECKED BY: H.P. JE  
SCALE: NOT TO SCALE

SD 2-17

CITY OF WILMINGTON DETAILS

APPROVED CONSTRUCTION PLAN

PLANNING NAME DATE

TRAFFIC

FIRE

DETAILS

C706

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**SAWYER SHERWOOD & ASSOCIATE ARCHITECTURE**

124 Market St. Wilmington, NC 28401  
910.742.0892

**CLM DESIGN/PA**

400 Regency Forest Dr.  
Suite 120 27508  
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Phone: 919.319.6716  
Fax: 919.319.2516  
Cell: 919.319.1595

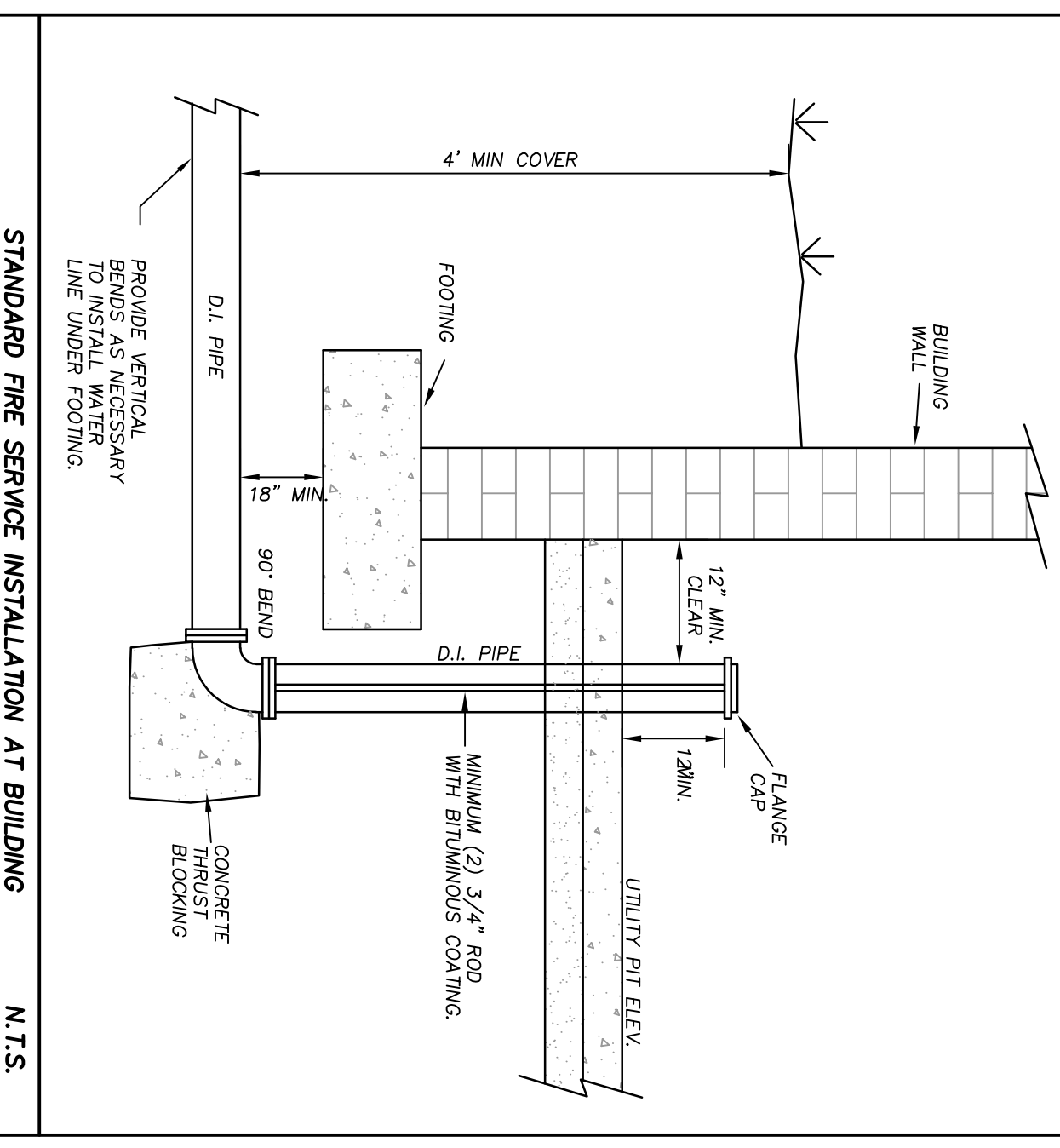
**MAIDES PARK GYMNASIUM ADDITION**

1101 MANLY AVENUE  
Wilmington, NC, 28405

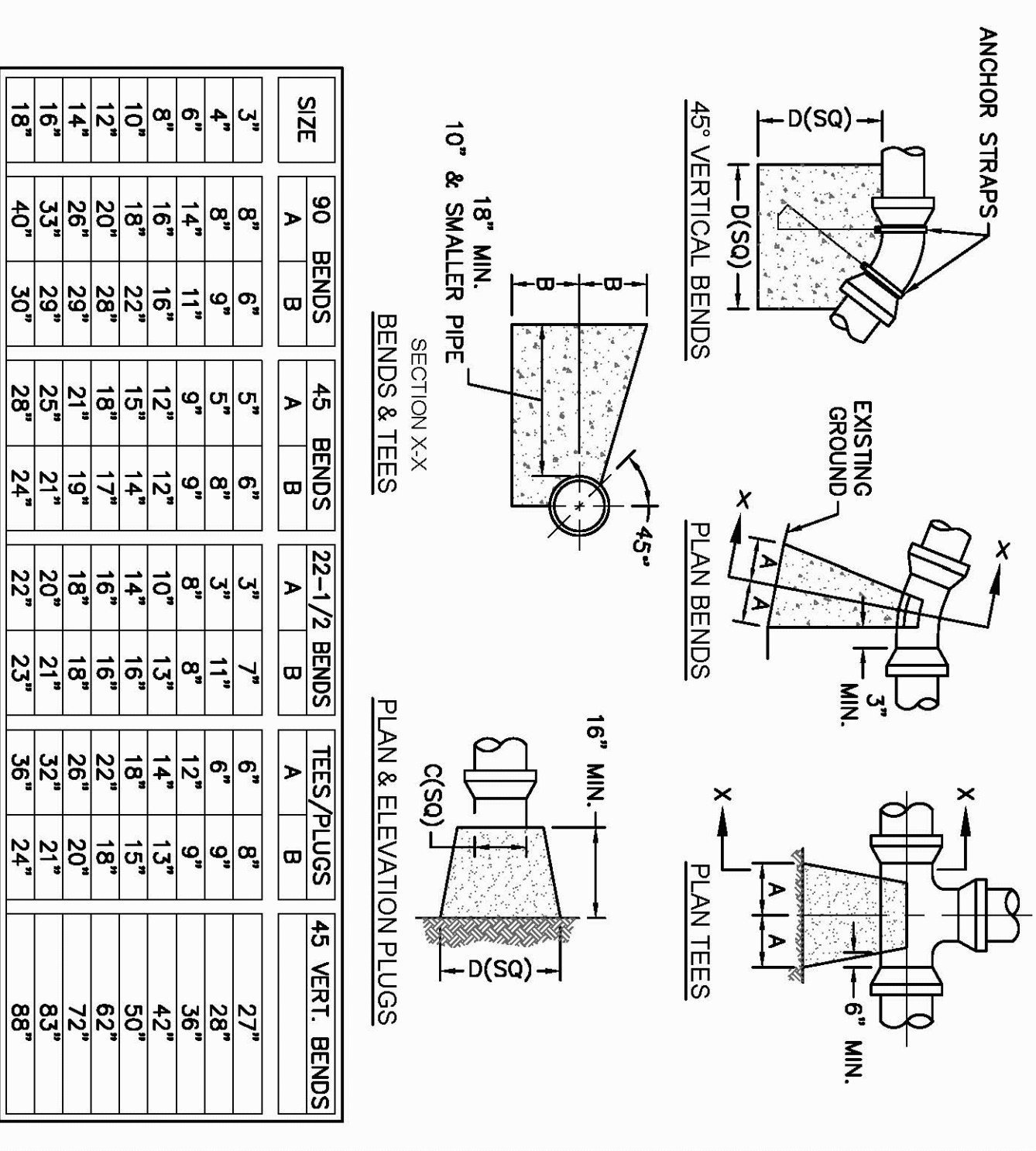
CITY OF WILMINGTON MINOR SITE PLAN SUBMITTAL  
11/12/2019

Revisions:





STANDARD FIRE SERVICE INSTALLATION AT BUILDING N.T.S.



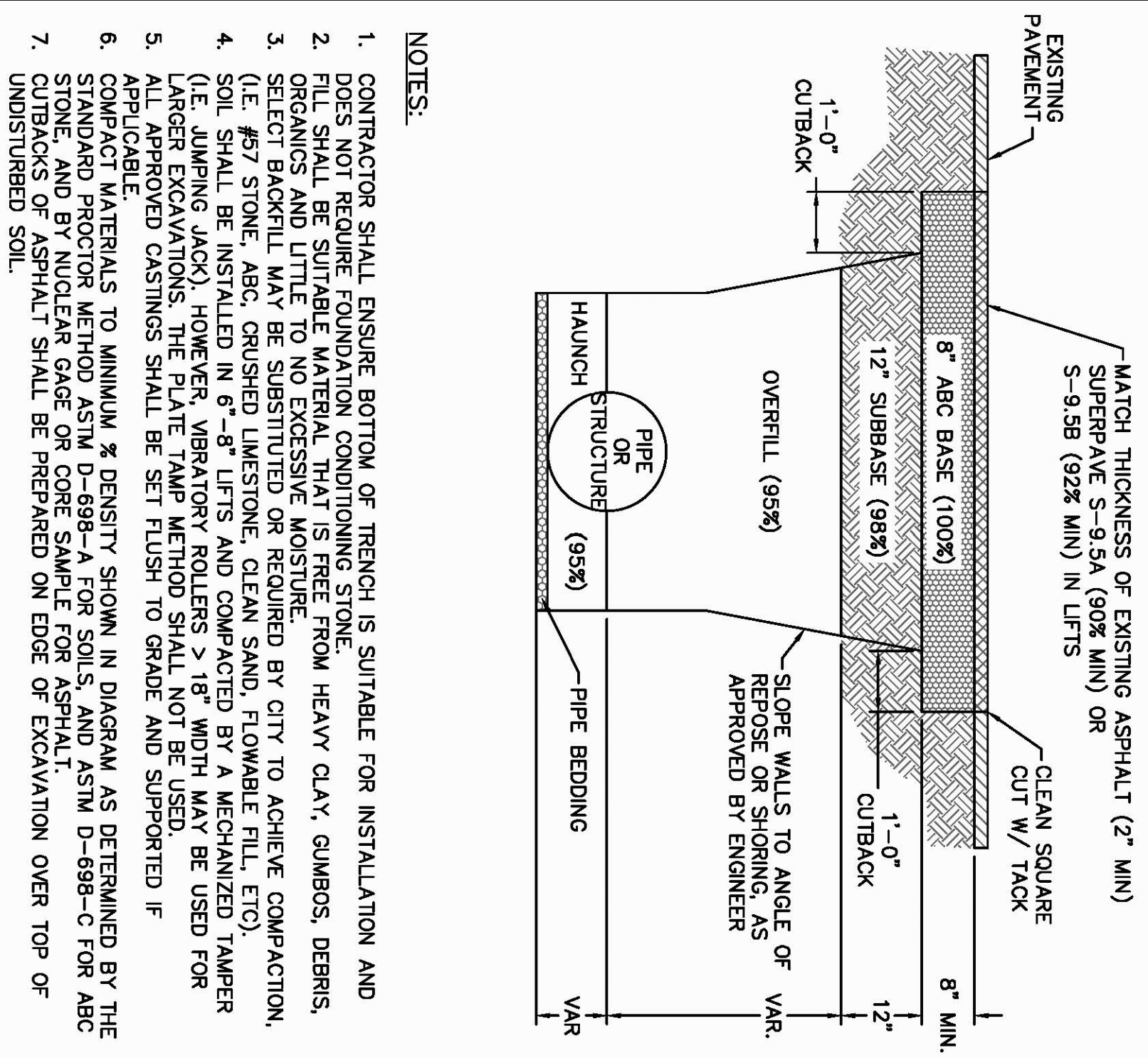
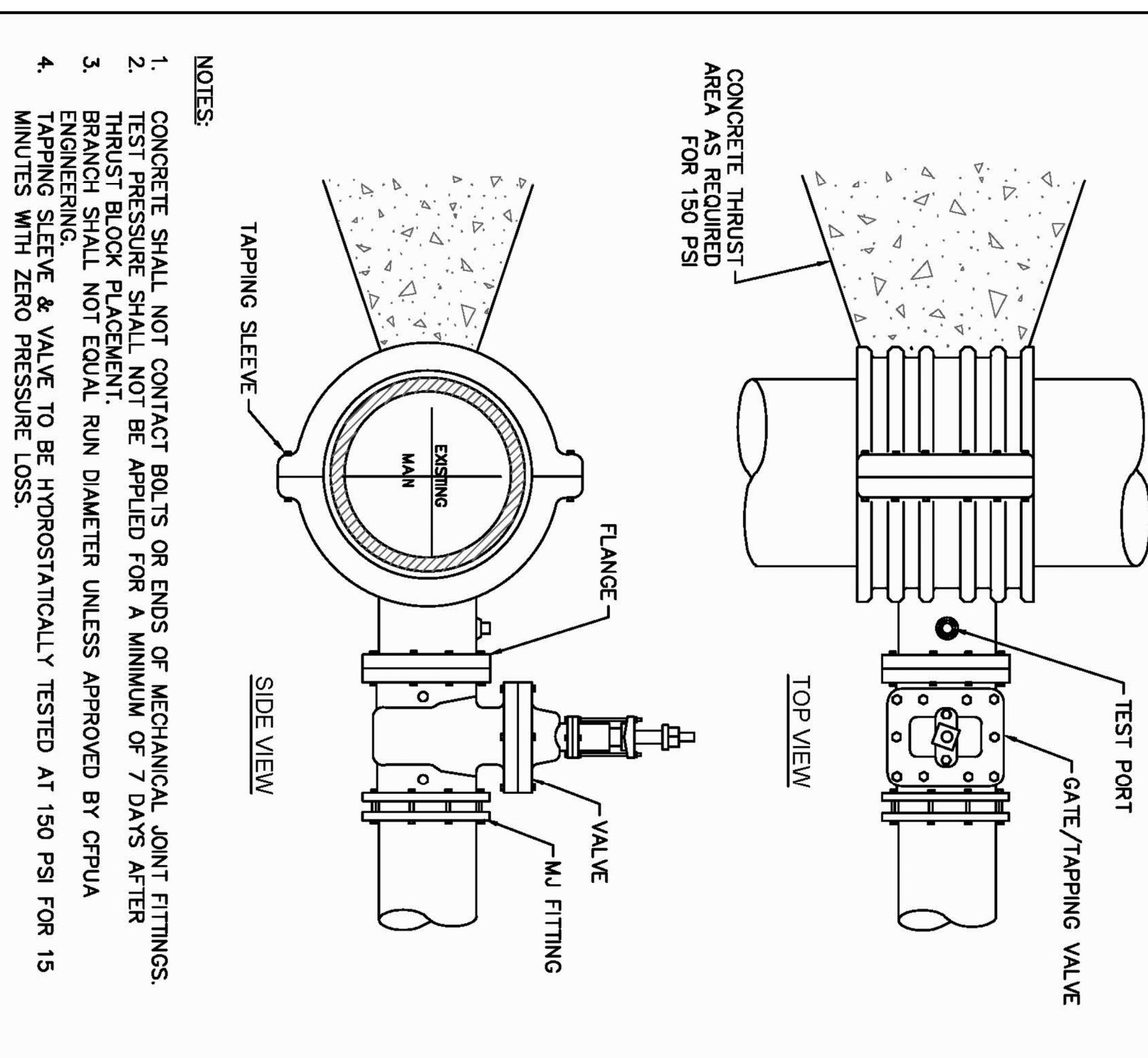
NOTES:  
 1. THRUST BLOCKING IS NOT PERMITTED EXCEPT IN SPECIAL INSTALLATIONS WHERE DESIGNED BY ENGINEER AND APPROVED BY CPWA.  
 2. ALLOW 7-DAY MINIMUM CONCRETE CURE TIME BEFORE PLACING LOAD ON THRUST BLOCK.  
 3. BASED ON 180 PSI TEST PRESSURE AND 2000 Pcf SOIL BEARING CAPACITY.  
 4. ALL BEARING SURFACES TO BE CARRIED TO UNDISTURBED GROUND.  
 5. PIPE & FITTINGS TO BE WRAPPED IN 10 MIL PLASTIC PRIOR TO THRUST BLOCK BEING POURED.

DETAIL: THRUST BLOCK  
 SCALE: NOT TO SCALE  
 CPWA DETAIL DATE: 01/01/19

CAPE FEAR PUBLIC UTILITY AUTHORITY  
 235 GOVERNMENT CENTER DRIVE  
 WILMINGTON, NC 28403  
 OFFICE: (910)332-6580

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DETAIL NO: WS-13  
 SHEET NO: -



DETAIL: CITY OF WILMINGTON PAVEMENT REPAIRS-UTILITY CUTS  
 SCALE: NOT TO SCALE  
 CPWA DETAIL DATE: 01/01/19

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Stewardship Sustainability Service

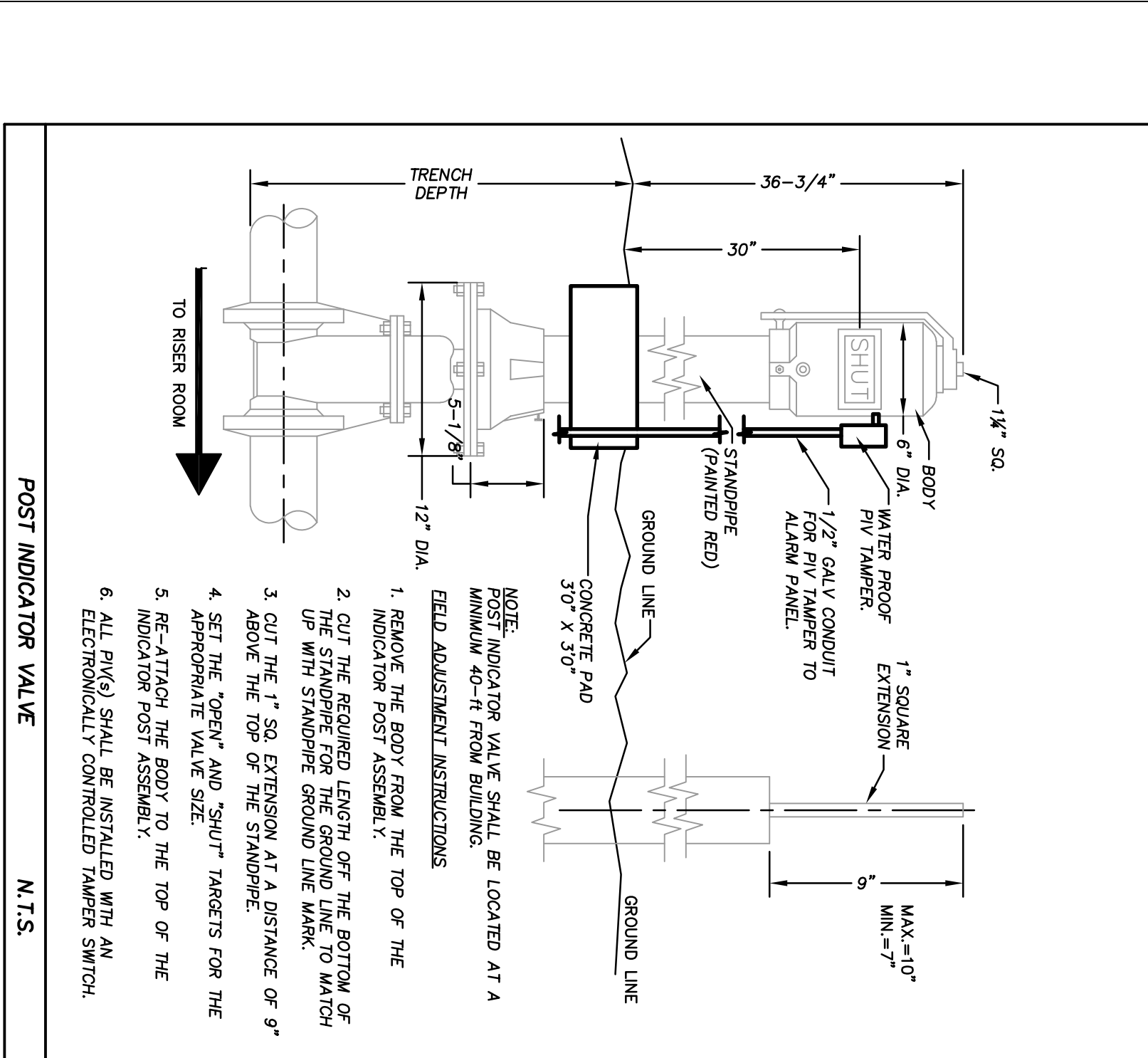
DETAIL NO: WS-1  
 SHEET NO: -

DETAIL: STANDARD NOTES  
 REQUIREMENTS AS DERIVED BY (RIGHT-SHAFT) OWNER FROM (UTILITY) REPAIRS)  
 SCALE: NOT TO SCALE  
 CPWA DETAIL DATE: 01/02/19

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DETAIL NO: WS-14  
 SHEET NO: -

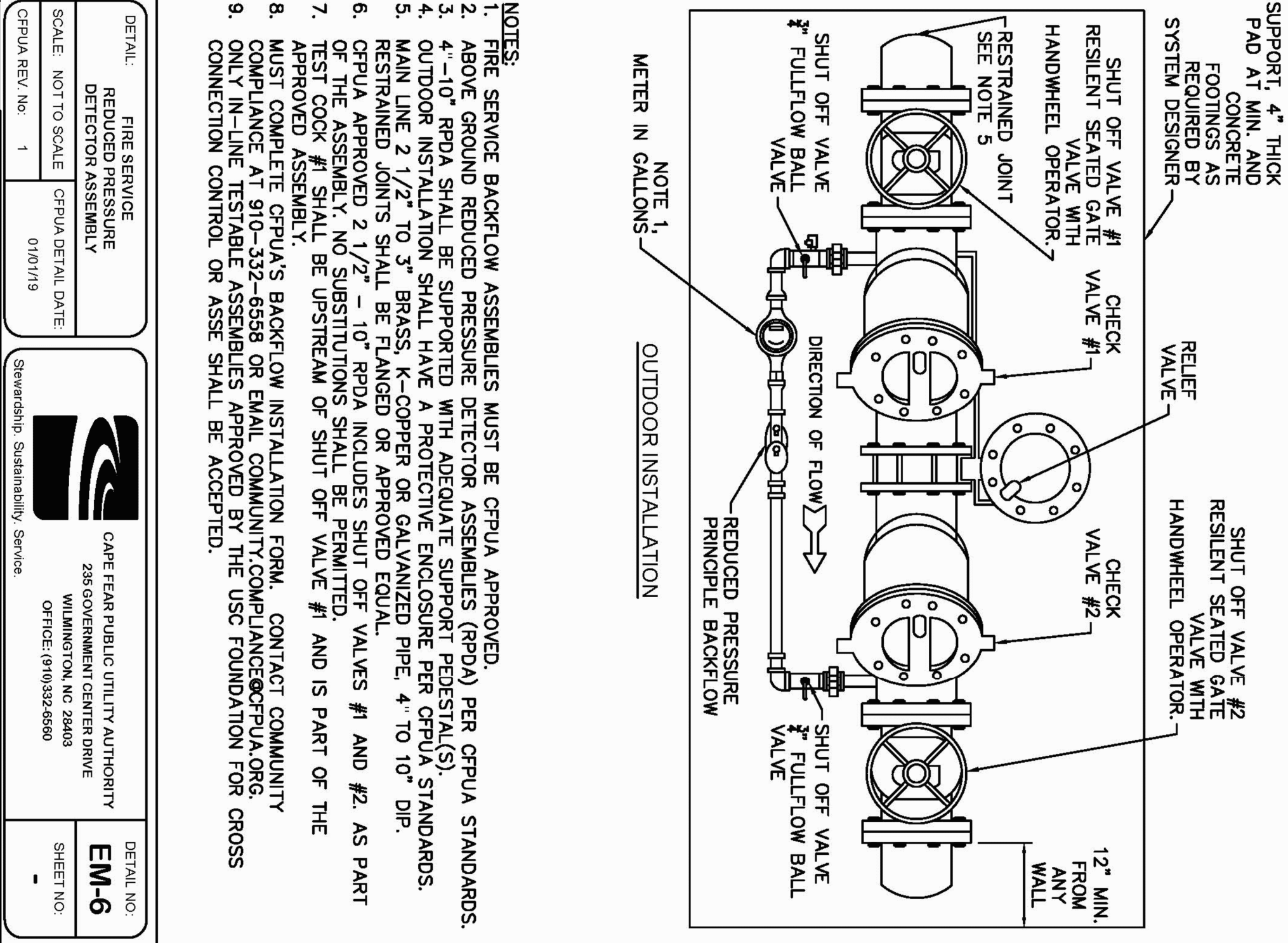


DETAIL: FIRE SERVICE REDUCED PRESSURE DETECTOR ASSEMBLY (RPDA) PER CPWA STANDARDS.  
 SCALE: NOT TO SCALE  
 CPWA DETAIL DATE: 01/01/19

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DETAIL NO: EM-6  
 SHEET NO: -



DETAIL: FIRE SERVICE BACKFLOW ASSEMBLY (BFA) PER CPWA STANDARDS.  
 SCALE: NOT TO SCALE  
 CPWA DETAIL DATE: 01/01/19

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Stewardship Sustainability Service

DETAIL NO: WS-5  
 SHEET NO: -

DETAIL: TAPPING SLEEVE AND VALVE ASSEMBLY  
 SCALE: NOT TO SCALE  
 CPWA DETAIL DATE: 01/01/19

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Stewardship Sustainability Service

DETAIL NO: WS-9  
 SHEET NO: -

DETAIL: CITY OF WILMINGTON PAVEMENT REPAIRS-UTILITY CUTS  
 SCALE: NOT TO SCALE  
 CPWA DETAIL DATE: 01/01/19

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Stewardship Sustainability Service

DETAIL NO: WS-1  
 SHEET NO: -

DETAIL: VALVE DETAIL  
 SCALE: NOT TO SCALE  
 CPWA DETAIL DATE: 01/01/19

CAPE FEAR PUBLIC UTILITY AUTHORITY  
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Stewardship Sustainability Service

DETAIL NO: WS-5  
 SHEET NO: -

DETAIL: FIRE SERVICE REDUCED PRESSURE DETECTOR ASSEMBLY (RPDA) PER CPWA STANDARDS.  
 SCALE: NOT TO SCALE  
 CPWA DETAIL DATE: 01/01/19

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Stewardship Sustainability Service

DETAIL NO: EM-6  
 SHEET NO: -

DETAIL: VALVE DETAIL  
 SCALE: NOT TO SCALE  
 CPWA DETAIL DATE: 01/01/19

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DETAIL NO: WS-5  
 SHEET NO: -

DETAILS

C707

MAIDES PARK GYMNASIUM ADDITION

1101 MANLY AVENUE  
 Wilmington, NC, 28405

CITY OF WILMINGTON MINOR SITE PLAN SUBMITTAL  
 11/12/2019

Revisions:

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