

Development Data:

Total Tract Area = 21.77 ac.

Density -
 Permitted Density (@ 6 units/ac.) = 212 units
 Proposed Density 56 units = 2.6 units/ac.

Area in R/W - 2.6 ac.
 Area in Lots - 10.42 ac.
 Common Areas - 10.07 ac.

Area of Wetlands - 1.93 ac.

Min. Lot Size - 5000 s.f.
 Avg. Lot Size - 8105 s.f.

Building Setbacks:

Front: 15'
 Corner: 10'
 Rear: 15'
 Interior Side: 5'

Recreation Area - (@ 0.03 ac/unit) (55 units x .03) = 1.65 ac. req'd.

** 1.83 ac.+ Active prov'd. **
 ** 2.20 ac.+ Passive prov'd. **

Total Length of Streets - 2603 l.f.±

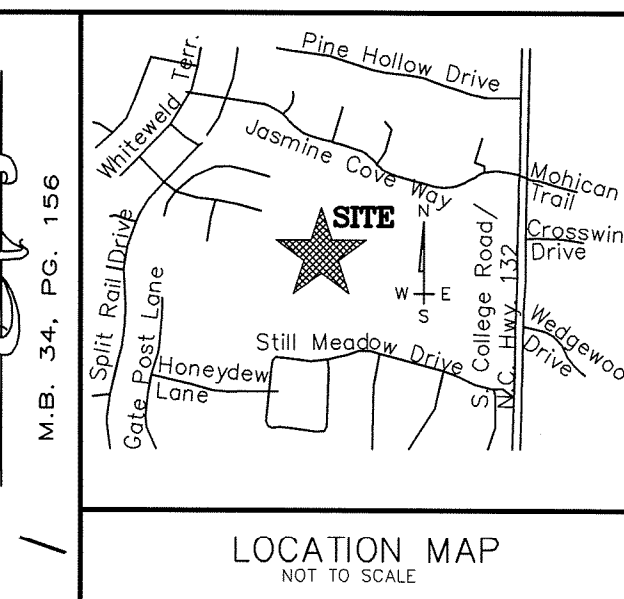
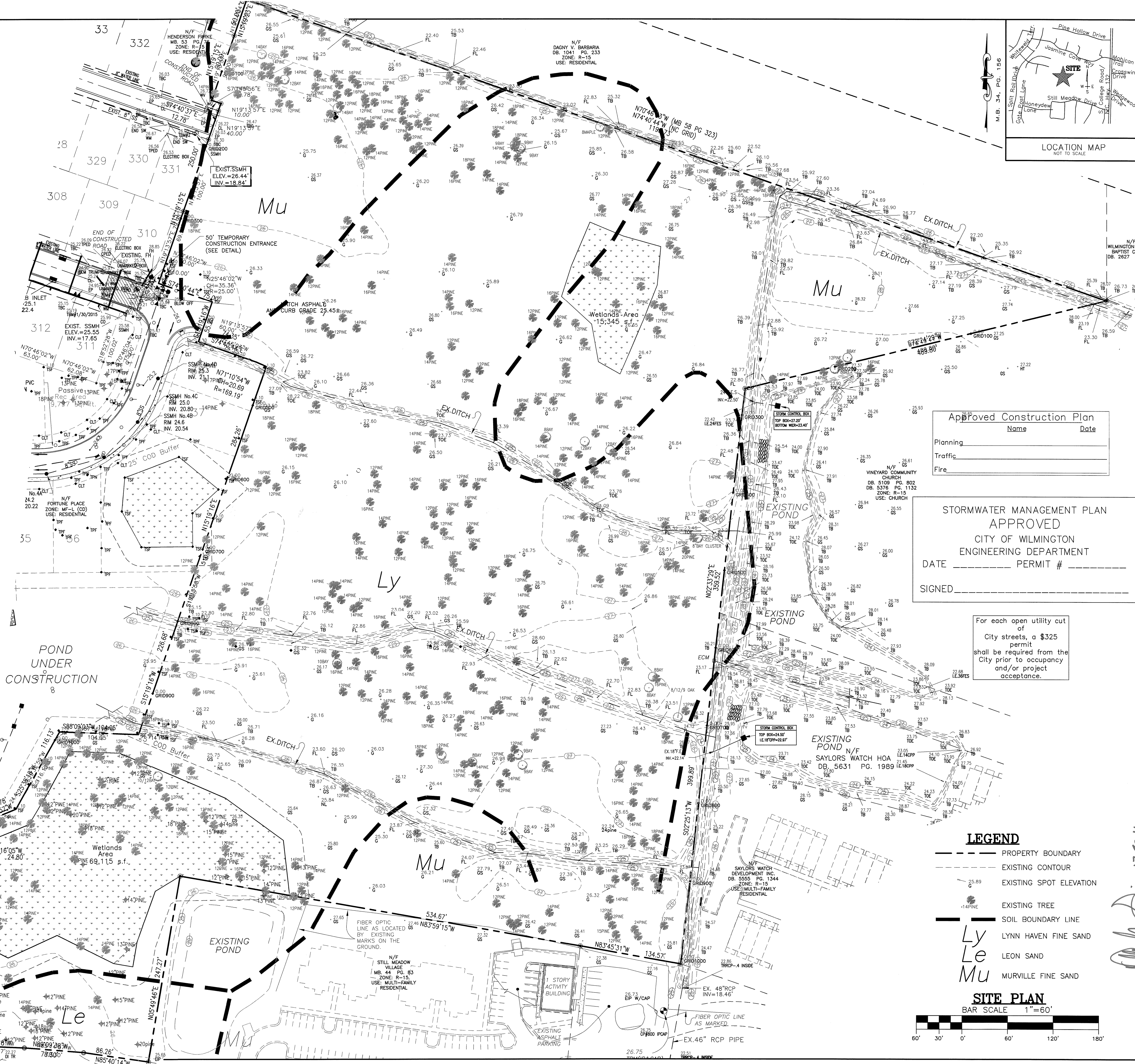
Estimated Impervious Surfaces -
 Lot Coverage - 5.14 ac.±
 (@ 4000 s.f./lot)
 Street Pavement - 1.7 ac.±
 Sidewalks - 0.6 ac.±
 Total - 7.44 ac.± (34.1%)

GENERAL NOTES:

1. Applicant: Tripp Engineering, P.C.
2. Property owner: Hoosier Daddy, LLC
3. Property developer: Deans Hackney
4. Site address: 4900 Gata Post Lane
5. Zone: MF-L (CD)
6. New Hanover County Parcel Nos.: PIN 3134(06)-39-4823 [PID R07100-003-015-001]
7. CAMA Land Classification: Urban
8. This property is not impacted by any AEC.
9. There are Conservation Resources affecting this property. Conservation Resources shall be permanently protected, remain undivided and shall be permanently preserved by conservation easements, protective covenants, or similar restrictions or by any of the procedures for the dedication of park, recreation, and open space areas set forth in the Land Development Code.
10. This site is not impacted by any recognized historic or archeological significance.
11. No cemeteries were evidenced on the site.
12. There is no evidence of endangered species or habitat issues on the site.
13. This tract is not within a Special Flood Hazard Area as referenced on FIRM Map # 3720313400J, Effective April 3, 2006.
14. The tract is within the Motts Creek watershed, Cape Fear River Basin.
15. All development shall be in accordance with the City of Wilmington Land Development Code.
16. All development shall meet any county, state or federal regulations for construction permitting.
17. All roads to be dedicated for public use to the City of Wilmington and will be designed & constructed in accordance with standards for subdivision roads.
18. All common areas shall be dedicated to and maintained by a Homeowners' Association.
19. Existing water and sanitary sewer are currently available to the site from Cape Fear Public Utility Authority public mains.
20. No thoroughfares, routes or trails.
21. Jurisdictional wetlands have been delineated on the site as shown. Signed US Army Corp of Engineers map provided.
22. There are no perennial streams on site.
23. Sidewalks, 5 feet in width, to be installed along all rights of way.
24. All pavement markings in public rights-of-way and for driveways are to be thermoplastic and meet City and/or NCDOT standards.
25. All signs and pavement markings in areas open to public traffic are to meet MUTCD (Manual on Uniform Traffic Control Devices) standards.
26. Install reflectors per City and NCDOT standards. Traffic Engineering must approve of pavement marking layout prior to actual striping.
27. It shall be the responsibility of the subdivider to erect official street name signs at all intersections associated with the subdivision in accordance with the Technical Standards and Specifications Manual. The subdivider may acquire and erect official street name signs or may choose to contract with the City to install the street signs and the subdivider shall pay the cost of such installation. Contact Traffic Engineering at 910-341-7888 to discuss installation of traffic and street name signs. Proposed street names must be approved prior to installation of street name signs.
28. Street lighting shall be provided in accordance with Sec. 18-380 of the subdivision regulations.
29. Any broken or missing sidewalk panels and curbing will be replaced.
30. 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 plat.
31. Contact Traffic Engineering at 910-341-7888 forty-eight hours prior to excavation in the right-of-way.
32. Per the requirements of the stormwater permit, the following shall occur prior to issuance of a certificate of occupancy or operation of the permitted facility:
 - a. As-built drawings for all stormwater management facilities shall be submitted to the City of Wilmington Engineering Division.
 - b. An Engineer's certification shall also be submitted, along with all supporting documentation that specifies, under seal that the as-built stormwater measures, controls and devices are in compliance with the approved stormwater management plans.
 - c. A final inspection by City of Wilmington Engineering personnel.
 - d. All required stormwater/drainage easements and deed restrictions shall be recorded with the register of deeds office.
33. Soil Types:
 LE-Leon Sand
 LY-Lynn Haven Fine Sand
 MU-Murville Fine Sand
34. All reinforced concrete storm drain pipe shall be class V.
35. No obstructions are permitted in the space between thirty (30) inches and ten (10) feet above the ground within the triangular site distance, proposed backflow boxes (and all utility service facilities) are less than 30" in height.
36. A utility cut permit is required for each open cut of a city street in certain cases an entire resurfacing of the area being open cut may be required. Contact 341-5888 for more details.
37. Any broken or missing sidewalk panels, driveway panels and curbing will be replaced.
38. All weather emergency vehicle access shall be maintained at all times.

Tree Protection Notes:

1. Tree Preservation / Removal Permit is required prior to clearing & land disturbance.
2. Prior to any clearing, grading or construction activity, tree protection fencing will be installed around protected trees or groves of trees and no construction workers, tools, materials, or vehicles are permitted within the tree protection fencing.
3. Protective fencing is to be maintained throughout the duration of the project. Land clearing and construction contractors shall receive adequate instruction on tree protection requirements and methods.
5. Label protective fencing with signs to be placed every 50 linear feet, or at least two (2) per acre, in both English & Spanish "Tree Protection Area: Do Not Enter."



REVISIONS		
Date	Description	By
03-08-17	CDW COMMENTS	EJW
05-18-17	NOTE #33	EJW

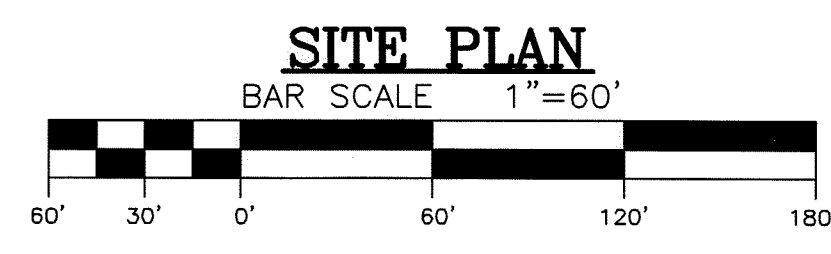
Approved Construction Plan	
Name	Date
Planning	
Traffic	
Fire	

STORMWATER MANAGEMENT PLAN
 APPROVED
 CITY OF WILMINGTON
 ENGINEERING DEPARTMENT
 DATE _____ PERMIT # _____
 SIGNED _____

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

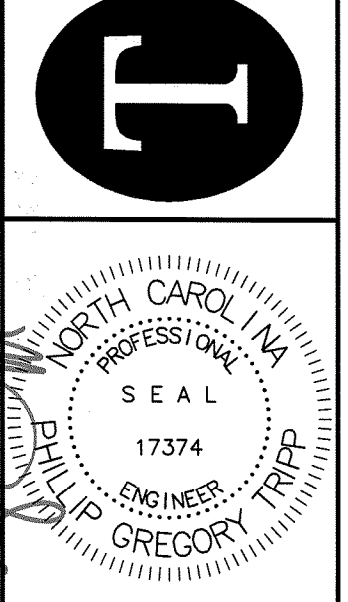
LEGEND

	PROPERTY BOUNDARY
	EXISTING CONTOUR
	EXISTING SPOT ELEVATION
	EXISTING TREE
	SOIL BOUNDARY LINE
Ly	LYNN HAVEN FINE SAND
Le	LEON SAND
Mu	MURVILLE FINE SAND



EXISTING CONDITIONS AND SITE INVENTORY PLAN
FORTUNE PLACE II
 NEW HANOVER COUNTY, NORTH CAROLINA

TRIPP ENGINEERING, P.C.
 419 Chestnut Street
 Wilmington, North Carolina 28401
 Phone 910-763-5100
 Fax 910-763-5631
 © 2017 Tripp Engineering, P.C.



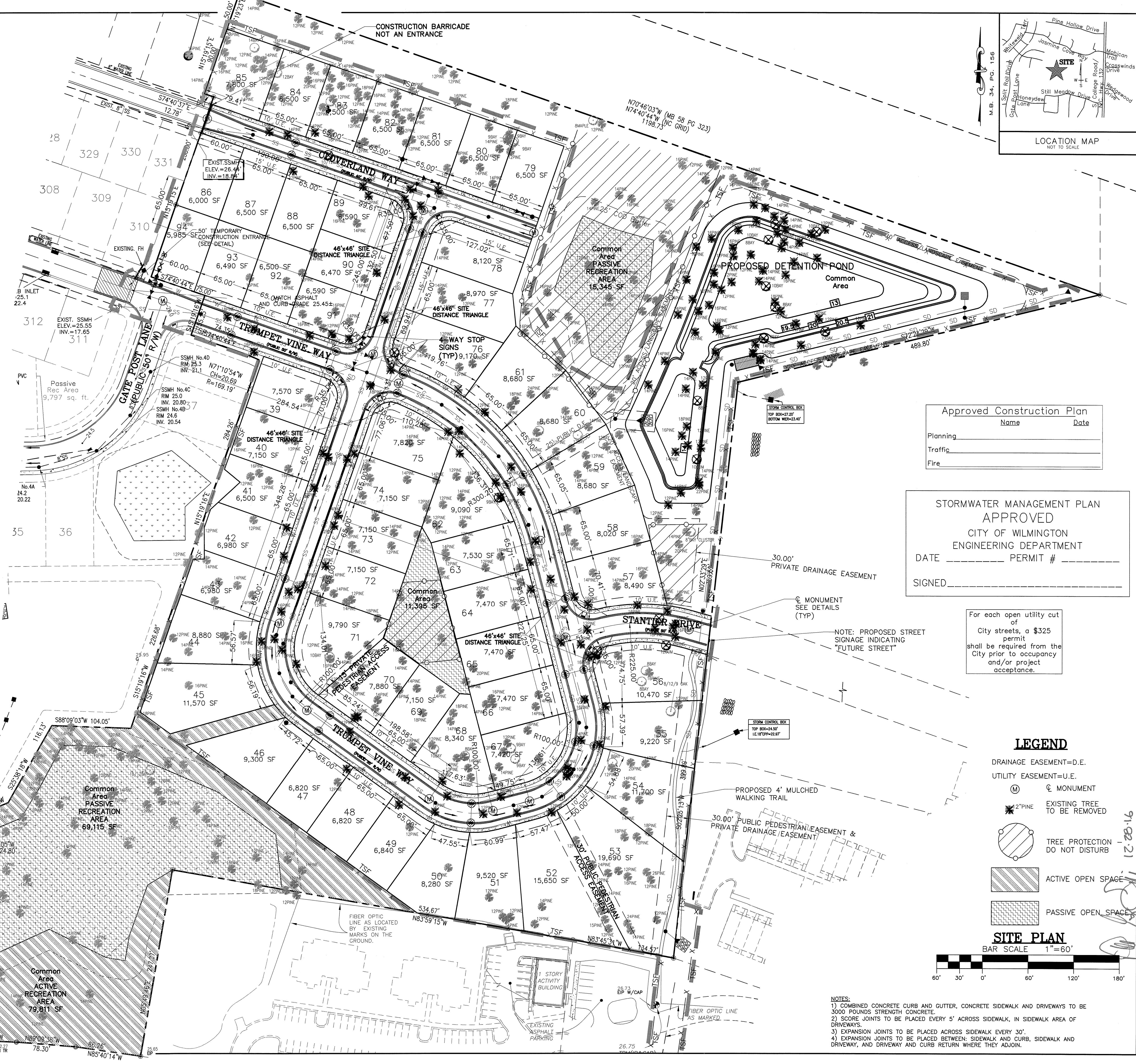
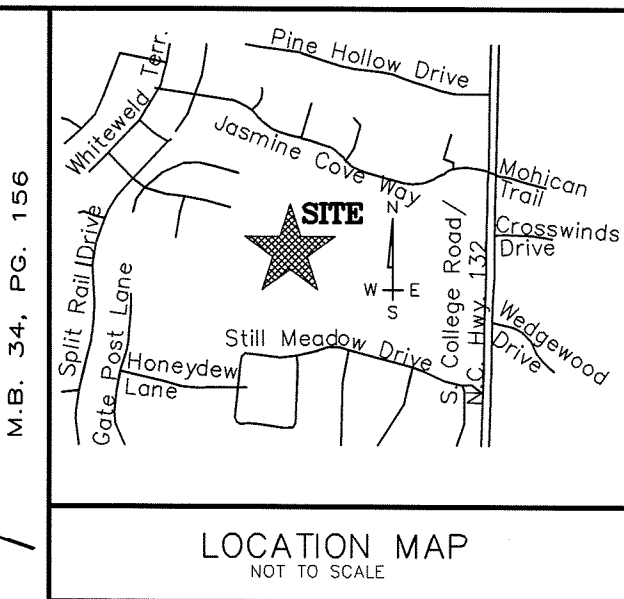
DATE 12-28-16
 DESIGN PGT
 DRAWN EJW

C1
 SHEET 1 OF 9
 14023

CONDITIONAL DISTRICT NOTES:

1. THE PROPERTY SHALL BE SUBJECT TO ALL REQUIREMENTS OF THE LAND DEVELOPMENT CODE FOR THE PROPOSED USE AS WELL AS ANY ADDITIONAL CONDITIONS STATED BELOW.
2. IF FOR ANY REASON ANY CONDITION FOR APPROVAL IS FOUND TO BE ILLEGAL OR INVALID OR IF THE APPLICANT SHOULD FAIL TO ACCEPT ANY CONDITION FOLLOWING APPROVAL, THE SITE PLAN FOR THE DISTRICT SHALL BE NULL AND VOID AND OF NO EFFECT AND THE PROPERTY SHALL BE REZONED TO ITS PREVIOUS ZONING CLASSIFICATION.
3. TRAFFIC IMPROVEMENTS REQUIRED BY THE CITY OF WILMINGTON SHALL BE INSTALLED PRIOR TO ISSUANCE OF ANY CERTIFICATE OF OCCUPANCY FOR ANY UNIT LOCATED WITHIN THIS DEVELOPMENT.
4. THE APPLICANT SHALL INSTALL TYPICAL DRIVEWAYS FOR THE DEVELOPMENT FROM ANY PROPOSED PUBLIC STREETS.
5. IN ACCORDANCE WITH LDC ARTICLE 8, A TREE PROTECTION/REMOVAL PERMIT IS REQUIRED, AND THE PROPOSED DEVELOPMENT SHALL BE SUBJECT TO CODE GUIDELINES FOR TREE PRESERVATION AND REMOVAL.
6. IN ACCORDANCE WITH LDC GUIDELINES, SEC. 18-89, REQUIRED IMPROVEMENTS SHALL BE CONSTRUCTED PRIOR TO SUBMISSION OF ANY FINAL SUBDIVISION PLAT.
7. THE DEVELOPER SHALL PROVIDE A STUB ACCESS TO VINEYARD COMMUNITY CHURCH FOR FUTURE STREET EXTENSION. THE STUB IS TO RUN TO THE EASTERN PROPERTY LINE OF THE SUBJECT PROPERTY FROM THE PROPOSED INTERNAL STREET.
8. THE DEVELOPER SHALL PROVIDE A 30'-FOOT PEDESTRIAN/NON-MOTORIZED VEHICULAR ACCESS TO THE ADJOINING PROPERTY OF STILL MEADOWS APARTMENT.
9. THE DEVELOPMENT SHALL COMPLY WITH THE APPROVED CD SITE PLAN.
10. ALL TRC AND SRB REQUIREMENTS SHALL BE MET.
11. ALL CITY, STATE AND FEDERAL REGULATIONS SHALL BE FOLLOWED.

REVISIONS		
Date	Description	By
03-08-17	ADD COMMENTS	EJW
04-26-17	ADD COMMENTS	EJW
05-11-17	ADD COMMENTS	EJW
05-16-17	ADD COMMENTS	EJW



Approved Construction Plan

Name _____ Date _____

Planning _____

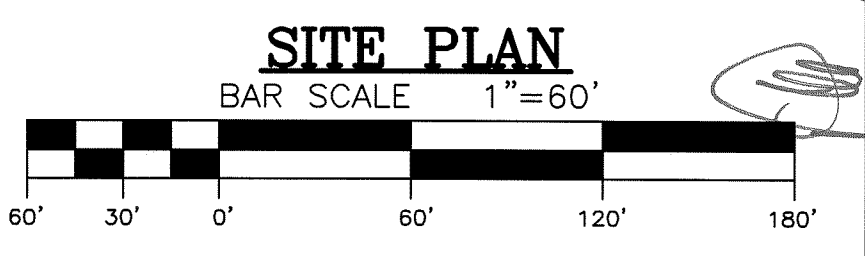
Traffic _____

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STORMWATER MANAGEMENT PLAN
APPROVED
CITY OF WILMINGTON
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DATE _____ PERMIT # _____
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For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

- LEGEND**
- DRAINAGE EASEMENT=D.E.
 - UTILITY EASEMENT=U.E.
 - (M) MONUMENT
 - (PINE) EXISTING TREE TO BE REMOVED
 - (CIRCLE WITH X) TREE PROTECTION DO NOT DISTURB
 - (HATCHED) ACTIVE OPEN SPACE
 - (DOTTED) PASSIVE OPEN SPACE



NOTES:

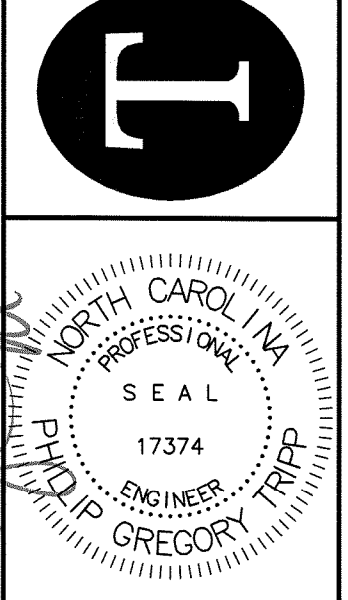
- 1) COMBINED CONCRETE CURB AND GUTTER, CONCRETE SIDEWALK AND DRIVEWAYS TO BE 3000 POUNDS STRENGTH CONCRETE.
- 2) SCORE JOINTS TO BE PLACED EVERY 5' ACROSS SIDEWALK, IN SIDEWALK AREA OF DRIVEWAYS.
- 3) EXPANSION JOINTS TO BE PLACED ACROSS SIDEWALK EVERY 30'.
- 4) EXPANSION JOINTS TO BE PLACED BETWEEN SIDEWALK AND CURB, SIDEWALK AND DRIVEWAY, AND DRIVEWAY AND CURB RETURN WHERE THEY ADJOIN.

TREES TO BE REMOVED:
TREE INVENTORY

NUMBER	TYPE OF TREE	TREE SIZE
1	PINE	22"
2	PINE	20"
8	PINE	18"
25	PINE	16"
53	PINE	14"
56	PINE	12"
1	BAY	12"
8	BAY	10"
6	BAY	8"
1	GUM*	12"
1	GUM*	10"
1	OAK*	10"

163 TOTAL TREES TO BE REMOVED
* SIGNIFICANT TREES TO BE MITIGATED (SEE SHEET C5)

TRIPP ENGINEERING, P.C.
 419 Chestnut Street
 Wilmington, North Carolina 28401
 Phone 910-763-5100
 Fax 910-763-5631
 © 2016 TRIPP ENGINEERING, P.C.



DATE 12-28-16
DESIGN PGT
DRAWN EJW

C2
SHEET 2 OF 9
14023

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REPLACE 8"x8" CROSS W/8"x8" TEE
 REMOVE EX. 8" G.V., 8" MAIN AND
 8" PLUG ON NORTH SIDE

EXIST. SSMH
 ELEV.=25.55
 INV.=17.65

EXIST. SSMH
 ELEV.=25.55
 INV.=17.65

EXIST. SSMH
 ELEV.=25.55
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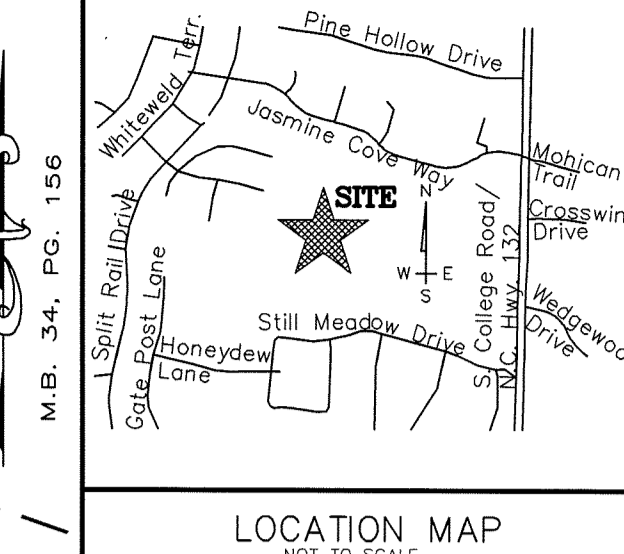
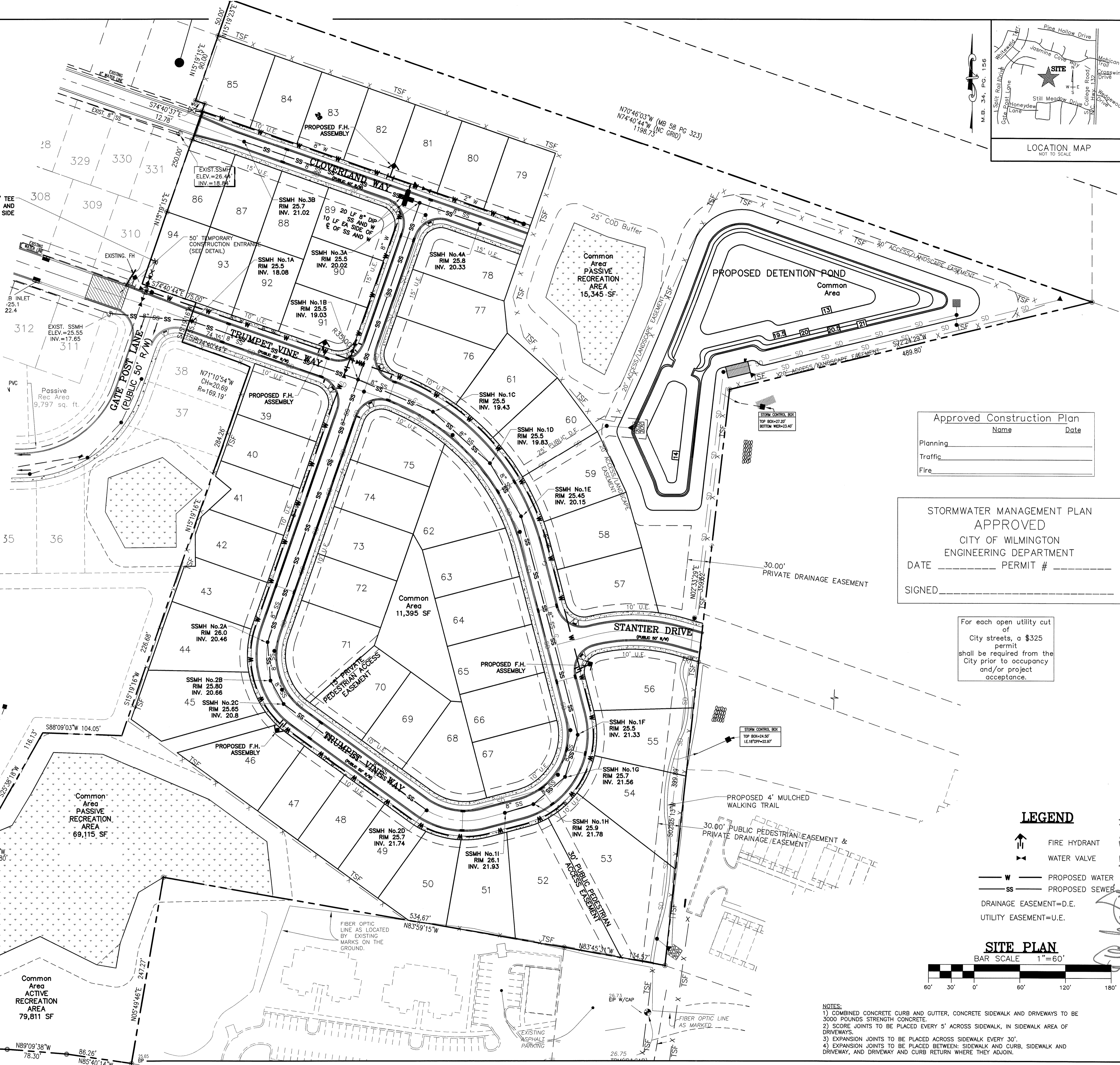
EXIST. SSMH
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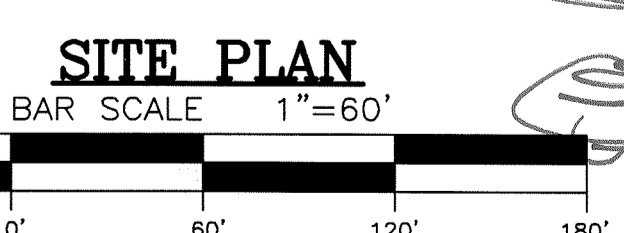
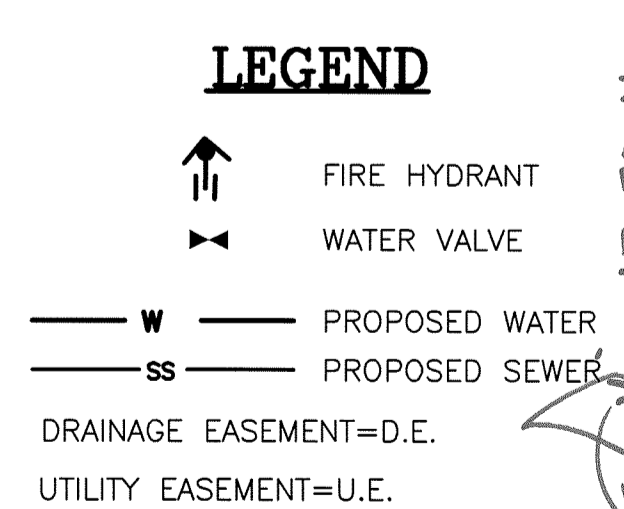


REVISIONS		
Date	Description	By
03-08-17	COV & EJC COMMENTS	EJW
04-26-17	COV COMMENTS	EJW
05-11-17	COV COMMENTS	EJW

Approved Construction Plan	
Name	Date
Planning	
Traffic	
Fire	

STORMWATER MANAGEMENT PLAN
 APPROVED
 CITY OF WILMINGTON
 ENGINEERING DEPARTMENT
 DATE _____ PERMIT # _____
 SIGNED _____

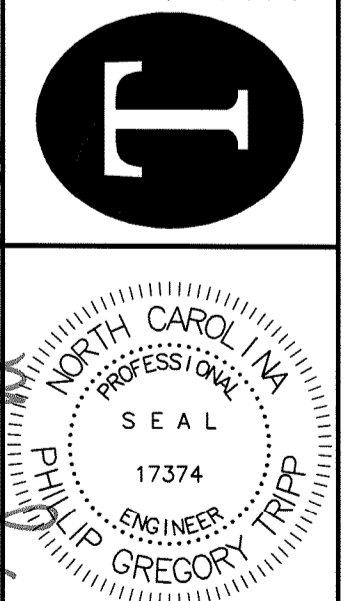
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UTILITY PLAN
FORTUNE PLACE II
 WILMINGTON, NORTH CAROLINA

TRIPP ENGINEERING, P.C.
 419 Chestnut Street
 Wilmington, North Carolina 28401
 Phone 910-763-5100
 Fax 910-763-5631
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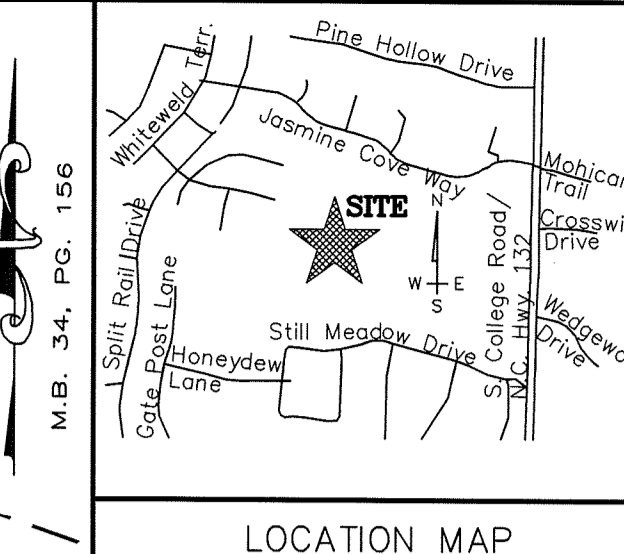
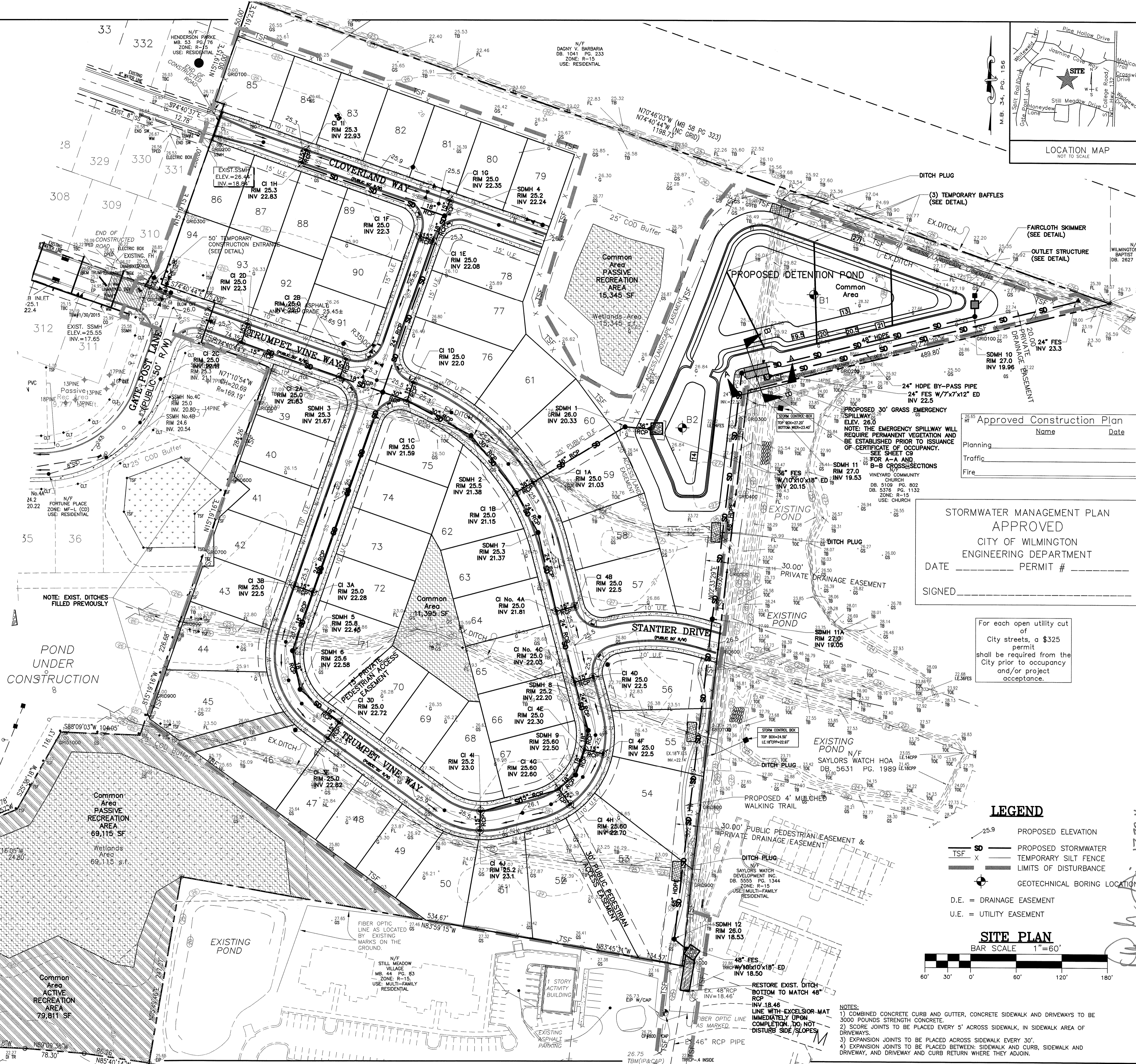
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13. This tract is not within a Special Flood Hazard Area as referenced on FIRM Map # 3720313400J, Effective April 3, 2006.
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 - d. All required stormwater/drainage easements and deed restrictions shall be recorded with the register of deeds office.
 - e. Soil Types:
 - LE-Leon Sand
 - LY-Lynn Haven Fine Sand
 - MU-Murville Fine Sand
33. All reinforced concrete storm drain pipe shall be class V.
34. No obstructions are permitted in the space between thirty (30) inches and ten (10) feet above the ground within the triangular site distance. Proposed backflow boxes (and all utility service facilities) are less than 30" in height.
35. A utility cut permit is required for each open cut of a city street in certain cases and an entire resurfacing of the are being open cut may be required. Contact 341-5888 for more details.
36. Any broken or missing sidewalk panels, driveway panels and curbing will be replaced.
37. All weather emergency vehicle access shall be maintained at all times.

Tree Protection Notes:

1. Tree Preservation / Removal Permit is required prior to clearing & land disturbance.
2. Prior to any clearing, grading or construction activity, tree protection fencing will be installed around protected trees or groves of trees and no construction workers, tools, materials, or vehicles are permitted within the tree protection fencing.
3. Protective fencing is to be maintained throughout the duration of the project. Land clearing and construction contractors shall receive adequate instruction on tree protection requirements and methods.
5. Label protective fencing with signs to be placed every 50 linear feet, or at least two (2) per acre, in both English & Spanish "Tree Protection Area: Do Not Enter."



REVISIONS		
Date	Description	By
03-08-17	COW & EC COMMENTS	EJW
04-26-17	COW COMMENTS	EJW
05-11-17	COW COMMENTS	EJW

Approved Construction Plan

Name _____ Date _____

Planning _____

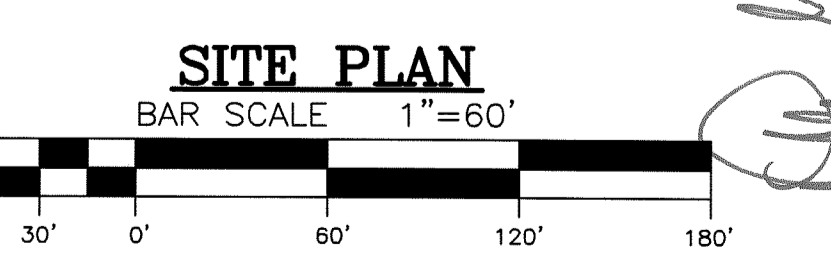
Traffic _____

Fire _____

STORMWATER MANAGEMENT PLAN
 APPROVED
 CITY OF WILMINGTON
 ENGINEERING DEPARTMENT
 DATE _____ PERMIT # _____
 SIGNED _____

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

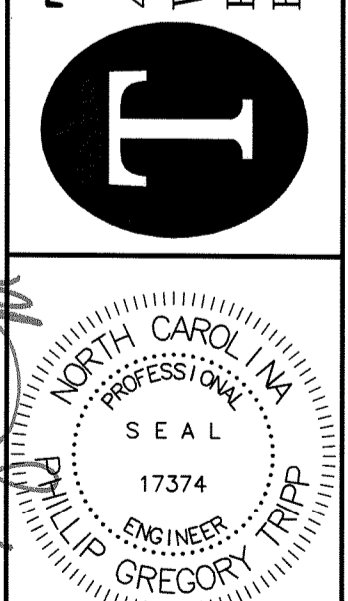
- LEGEND**
- SD PROPOSED ELEVATION
 - TSF PROPOSED STORMWATER
 - X TEMPORARY SILT FENCE
 - LIMITS OF DISTURBANCE
 - ⊕ GEOTECHNICAL BORING LOCATION
 - D.E. = DRAINAGE EASEMENT
 - U.E. = UTILITY EASEMENT



- NOTES:**
- 1) COMBINED CONCRETE CURB AND GUTTER, CONCRETE SIDEWALK AND DRIVEWAYS TO BE 3000 POUNDS STRENGTH CONCRETE.
 - 2) SCORE JOINTS TO BE PLACED EVERY 5' ACROSS SIDEWALK, IN SIDEWALK AREA OF DRIVEWAYS.
 - 3) EXPANSION JOINTS TO BE PLACED ACROSS SIDEWALK EVERY 30'.
 - 4) EXPANSION JOINTS TO BE PLACED BETWEEN SIDEWALK AND CURB, SIDEWALK AND DRIVEWAY, AND DRIVEWAY AND CURB RETURN WHERE THEY ADJOIN.

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 419 Chestnut Street
 Wilmington, North Carolina 28401
 Phone 910-763-5100
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DATE 12-28-16
 DESIGN PGT
 DRAWN EJW

C4
 SHEET 4 OF 9
 14023

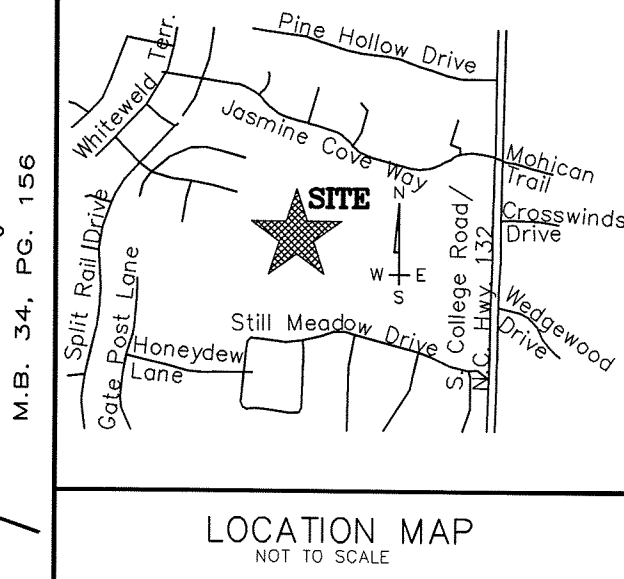
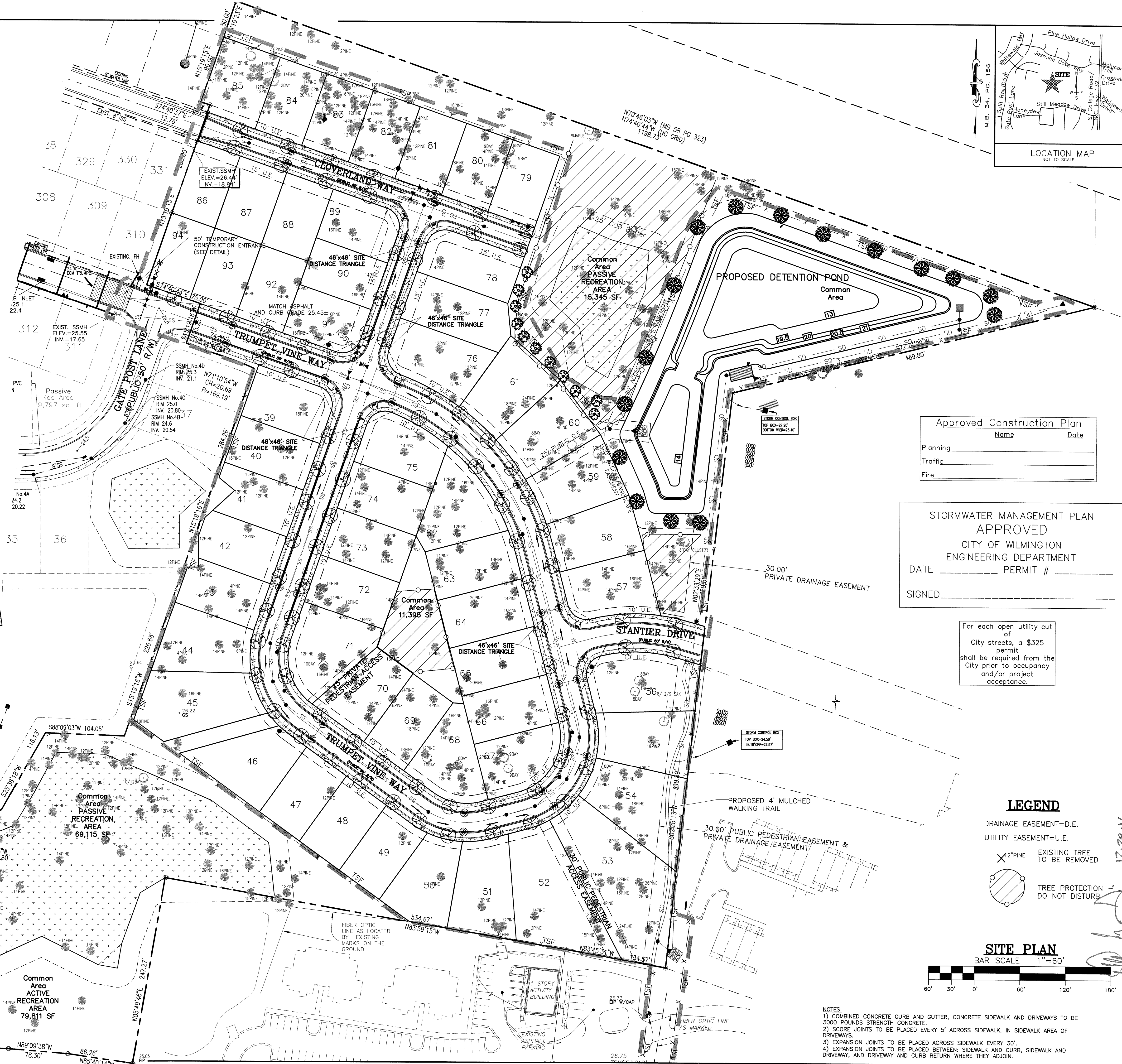
SIGNIFICANT TREE MITIGATION CHART				
TREE TYPE	TREE SIZE	# OF TREES	% MITIGATION	REPLACEMENT TREES REQUIRED
GUM	12 IN.	1	50	12x(2x0.50)/3=4
GUM	10 IN.	1	50	10x(2x0.50)/3=3.3
OAK	10 IN.	1	50	10x(2x0.50)/3=3.3

STORMWATER FACILITY LANDSCAPING CALCULATION

TOP OF BANK LINEAR FOOTAGE	VEGETATION CLUSTERS REQUIRED	VEGETATION CLUSTERS PROVIDED	TYPE OF CLUSTER PROVIDED
1477	1477 / 100 = 14.77	15	CANOPY TREE

PLANT LIST					
SYM. NO.	TYPE	COMMON NAME	SCIENTIFIC NAME	MIN. SIZE	PLANTING REMARKS
U	TREE	SHIMADZI OAK	QUERCUS SHIMADZI	2"	35'-46" O.C.
QL	TREE	DARLINGTON OAK	QUERCUS LAURIFOLIA	2"-2.5" CALIPER	---
QV	TREE	LIVE OAK	QUERCUS VIRGINIANA	2"-2.5" CALIPER	---

NOTE:
1. NO OBSTRUCTIONS ARE PERMITTED IN THE SPACE BETWEEN THIRTY (30) INCHES AND TEN (10) FEET ABOVE THE GROUND WITHIN THE TRIANGULAR SITE DISTANCE. PROPOSED BACKFLOW BOXES (AND ALL UTILITY SERVICE FACILITIES) ARE LESS THAN 30" IN HEIGHT.



REVISIONS		
Date	Description	By
03-08-17	COW & EC COMMENTS	EJW
04-28-17	COW COMMENTS	EJW
05-11-17	COW COMMENTS	EJW

Approved Construction Plan

Name _____ Date _____

Planning _____

Traffic _____

Fire _____

STORMWATER MANAGEMENT PLAN
APPROVED
CITY OF WILMINGTON
ENGINEERING DEPARTMENT
DATE _____ PERMIT # _____
SIGNED _____

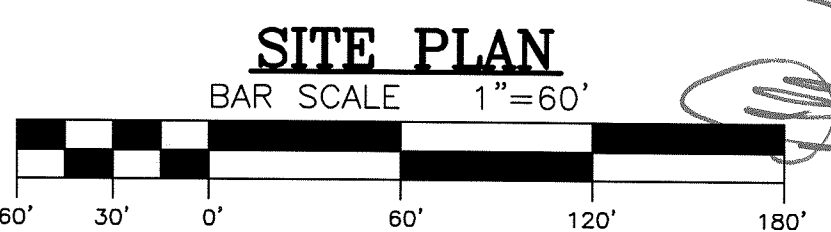
For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

LEGEND

DRAINAGE EASEMENT=D.E.
UTILITY EASEMENT=U.E.

X 12" PINE EXISTING TREE TO BE REMOVED

(Symbol) TREE PROTECTION DO NOT DISTURB



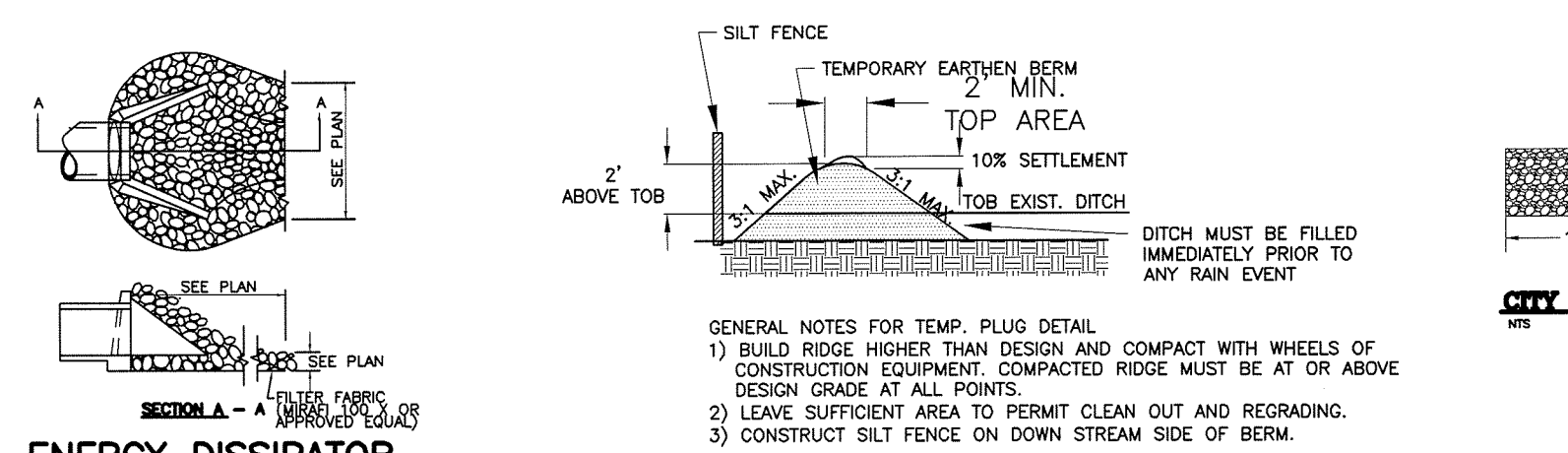
NOTES:
1) COMBINED CONCRETE CURB AND CUTTER, CONCRETE SIDEWALK AND DRIVEWAYS TO BE 3000 POUNDS STRENGTH CONCRETE.
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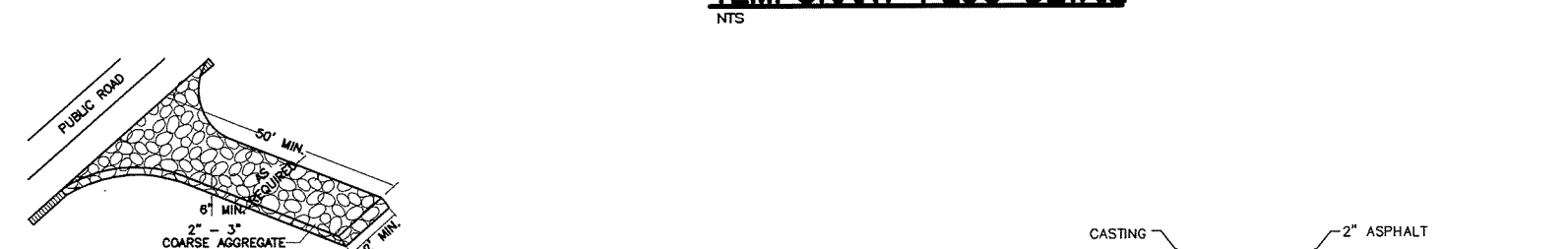
LANDSCAPE PLAN
FORTUNE PLACE II
 WILMINGTON, NORTH CAROLINA

DATE 12-28-16
 DESIGN PGT
 DRAWN EJW

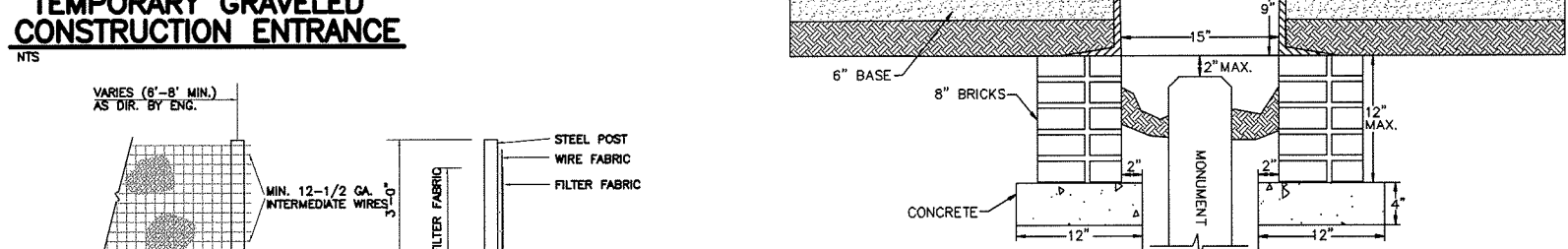
C5
 SHEET 5 OF 9
 14023



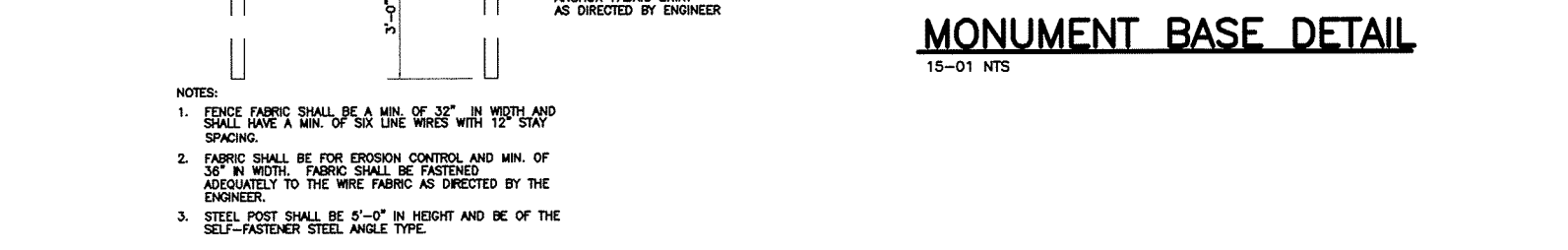
ENERGY DISSIPATOR
NTS



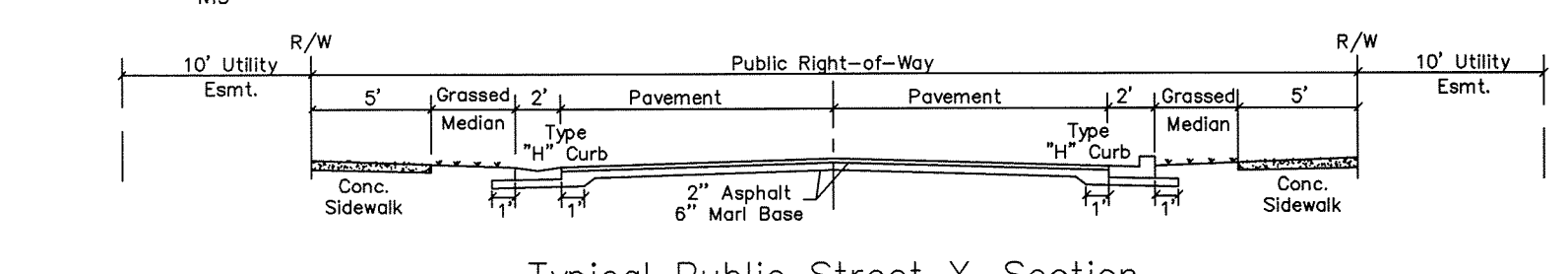
TEMPORARY GRAVELED CONSTRUCTION ENTRANCE
NTS



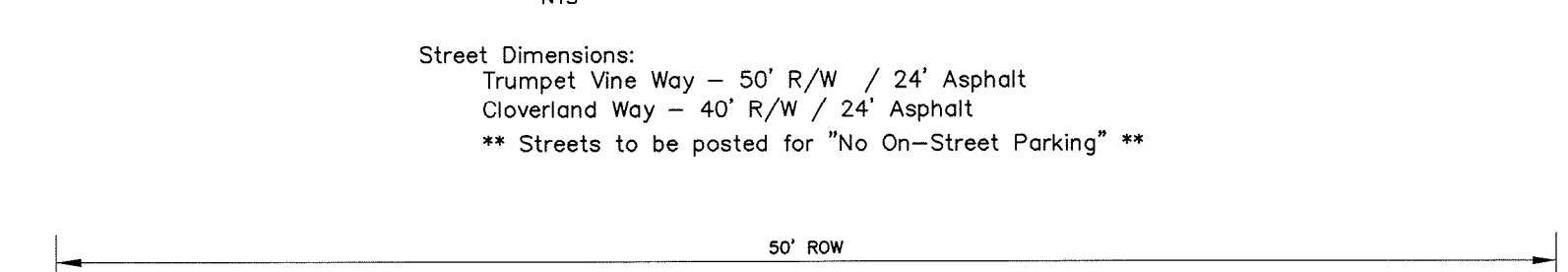
TEMPORARY SILT FENCE
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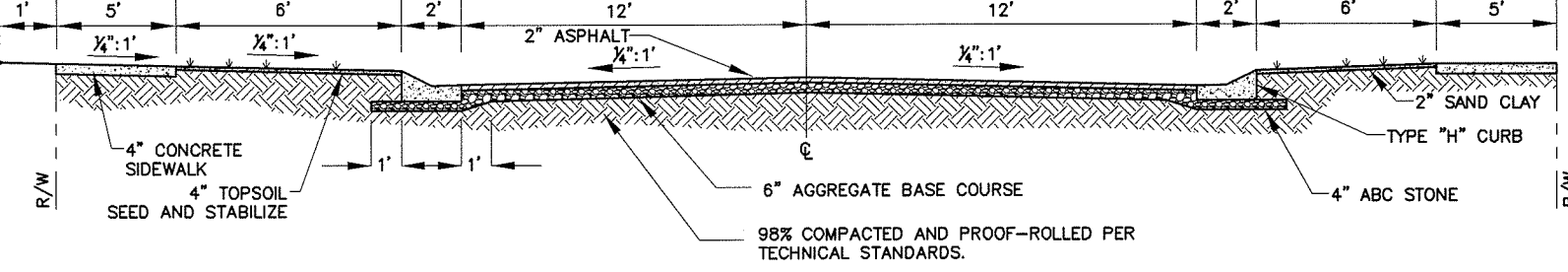
TEMPORARY SILT FENCE
NTS



STREET SECTION-CROWN W/VALLEY CURB
NTS

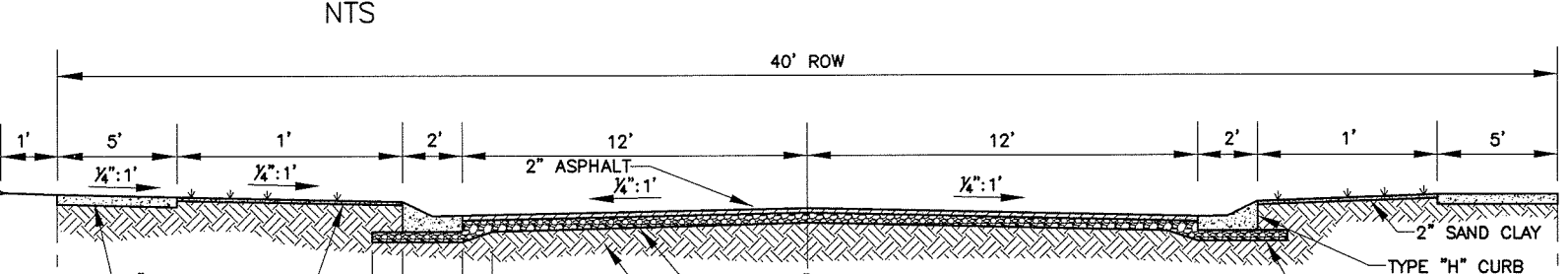


STREET SECTION-CROWN W/VALLEY CURB
NTS



TYPE 'H' CURBING AROUND FACE BASIN TRANSITION SECTION
NOT TO SCALE

TEMPORARY DRIVEWAY W/TYPICAL CURB
NTS



STORMWATER MANAGEMENT PLAN
APPROVED

CITY OF WILMINGTON
ENGINEERING DEPARTMENT

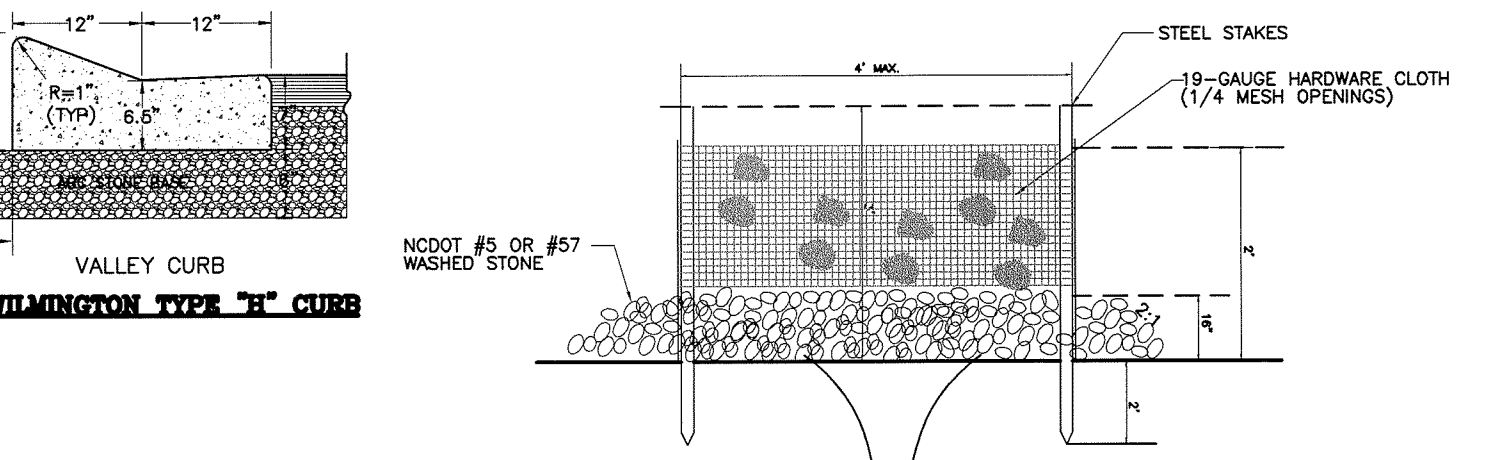
Approved Construction Plan
Name _____ Date _____

Planning _____ Traffic _____ Fire _____

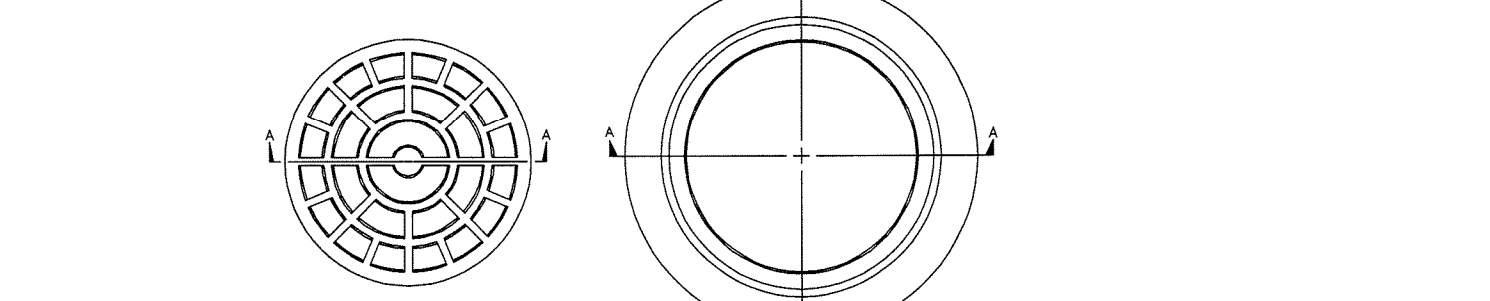
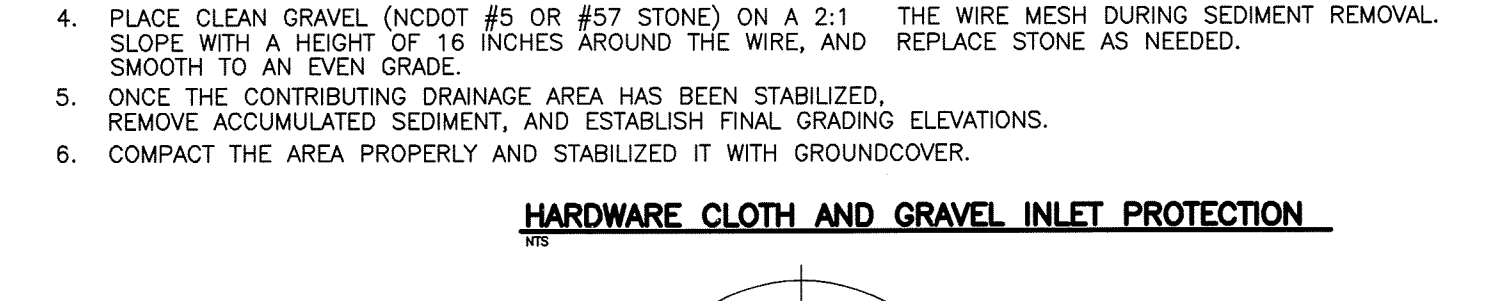
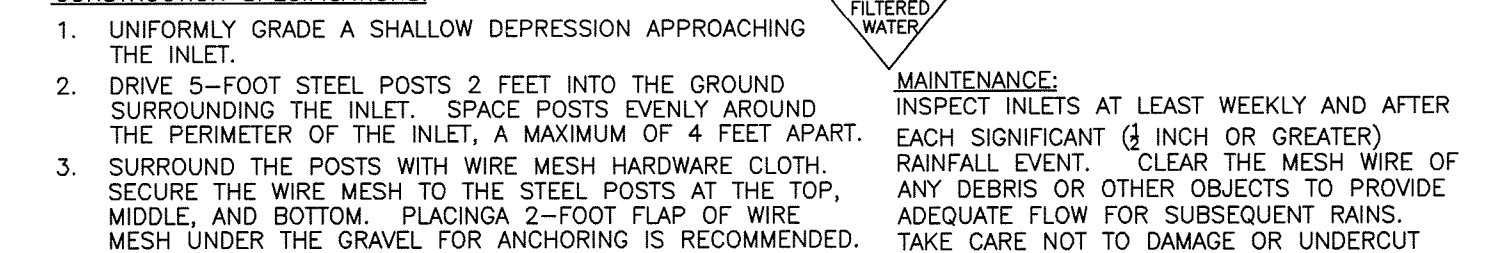
DATE _____ PERMIT # _____

SIGNED _____

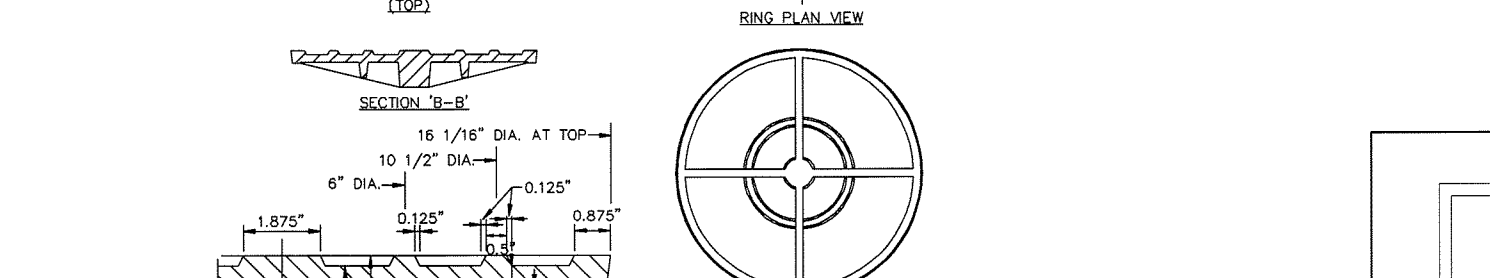
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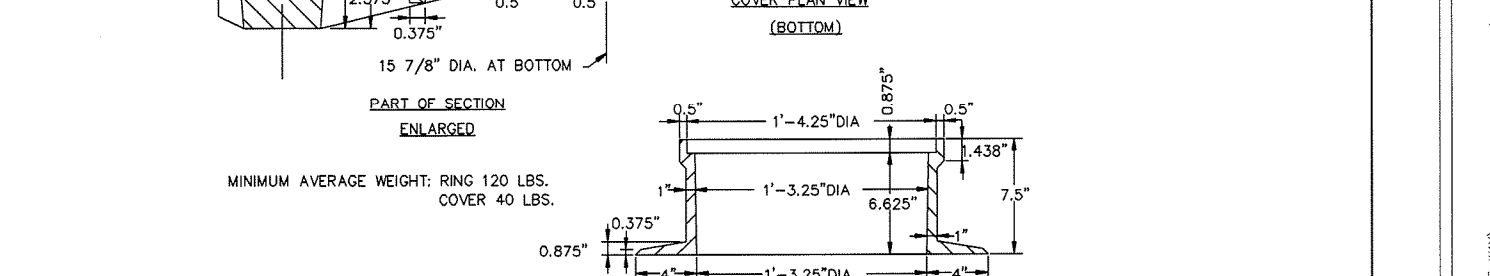
CITY OF WILMINGTON TYPE 'H' CURB
NTS



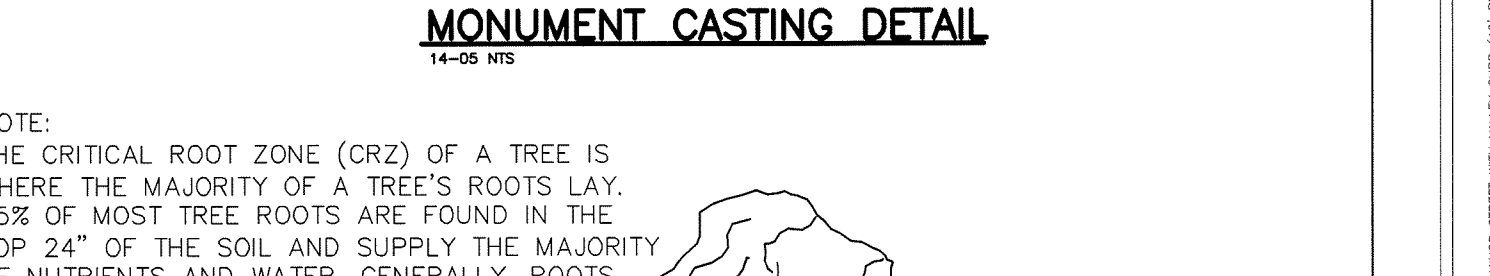
TREE PROTECTION DURING CONSTRUCTION SD 15-09
NOT TO SCALE



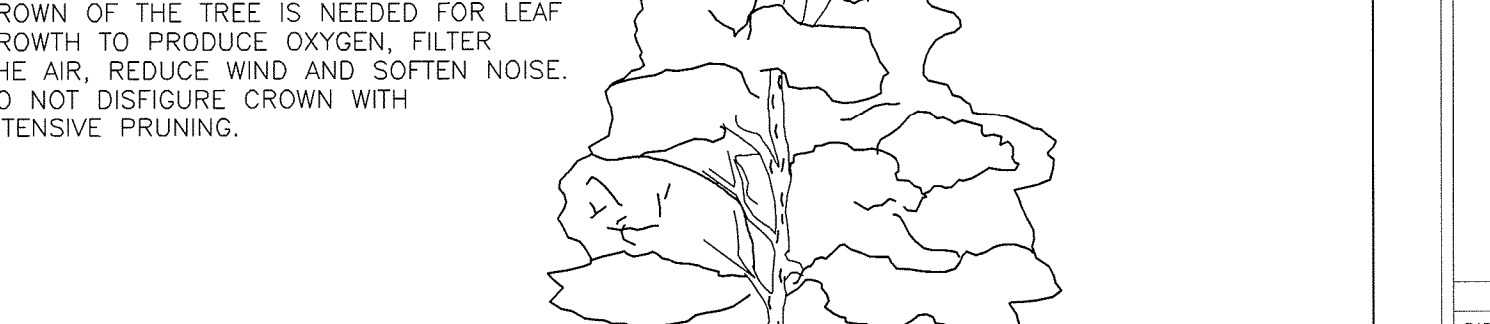
MINOR STREET WITH VALLEY CURB (SECTION AND CROWN)
SD 3-01.8



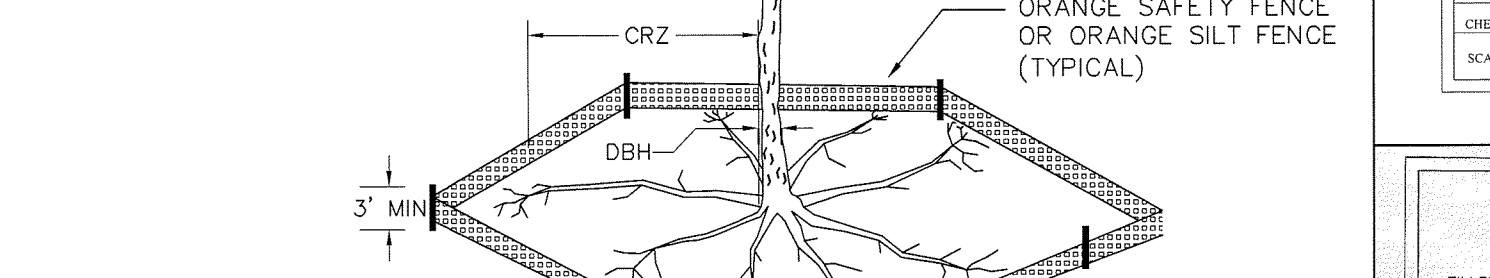
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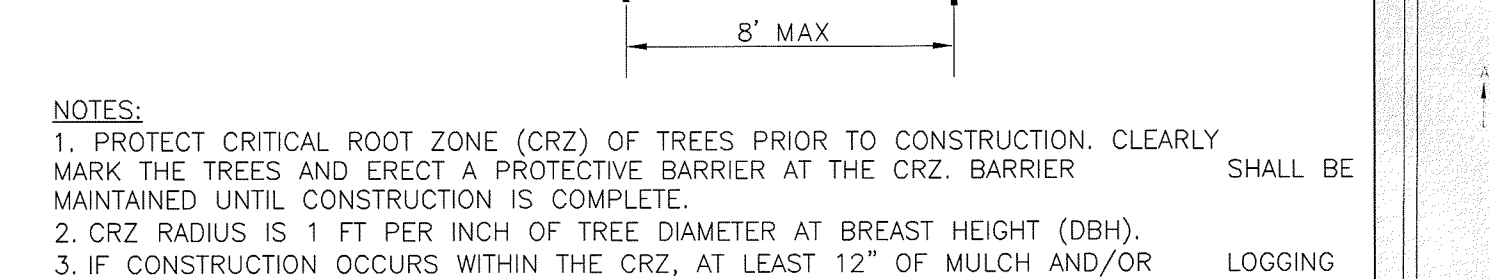
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SD 3-01.8



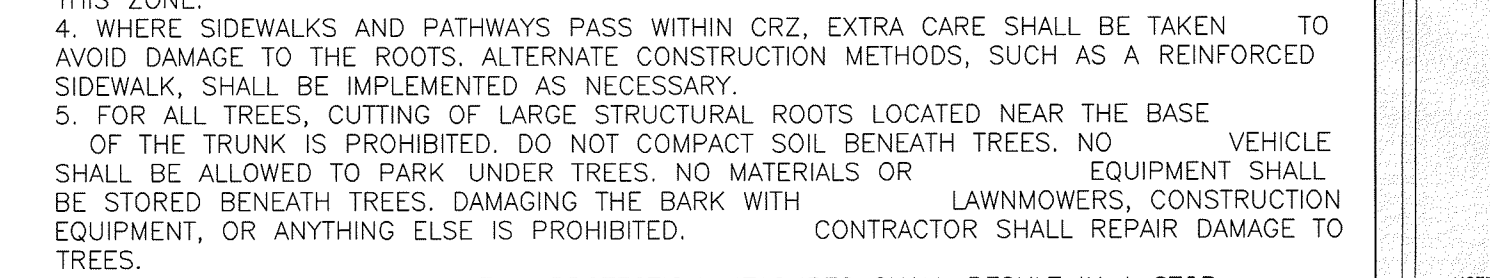
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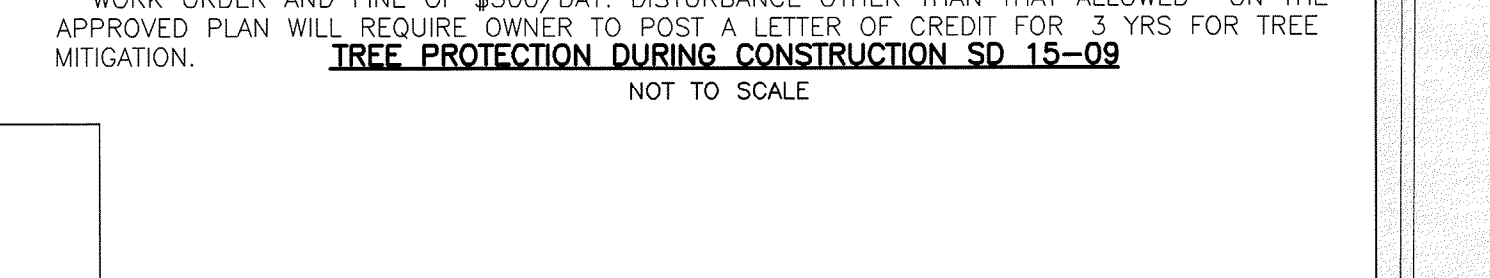
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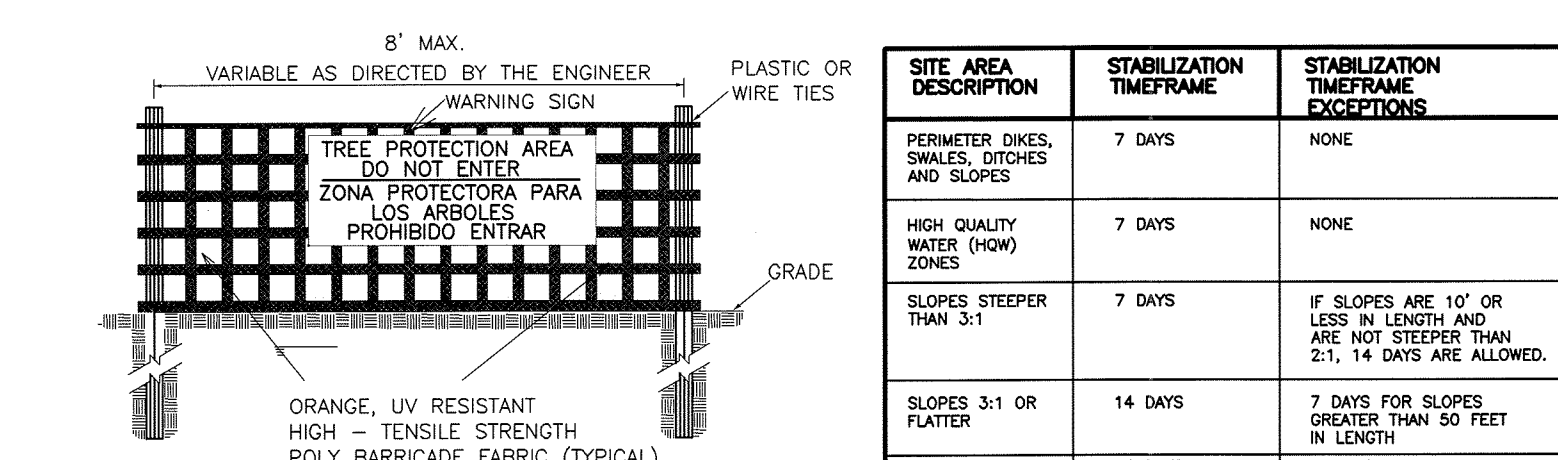
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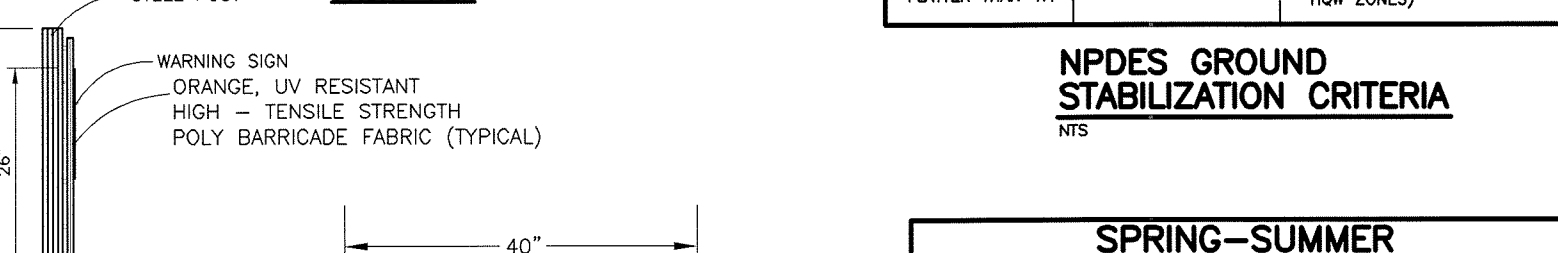
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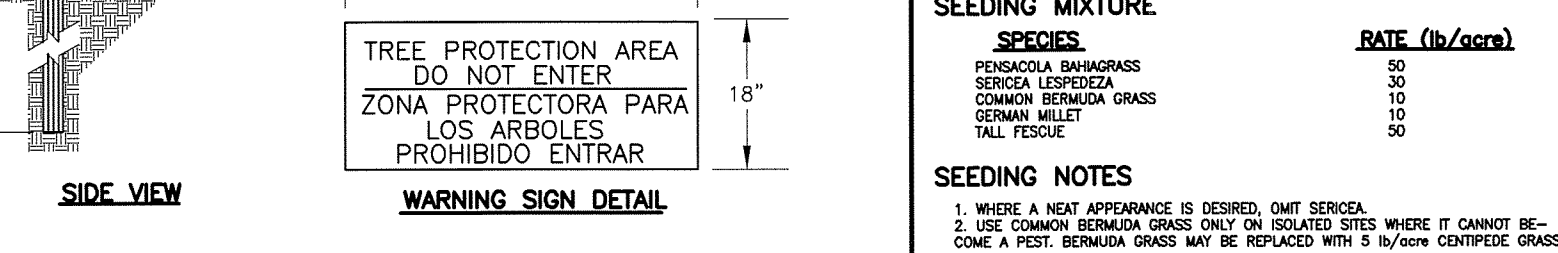
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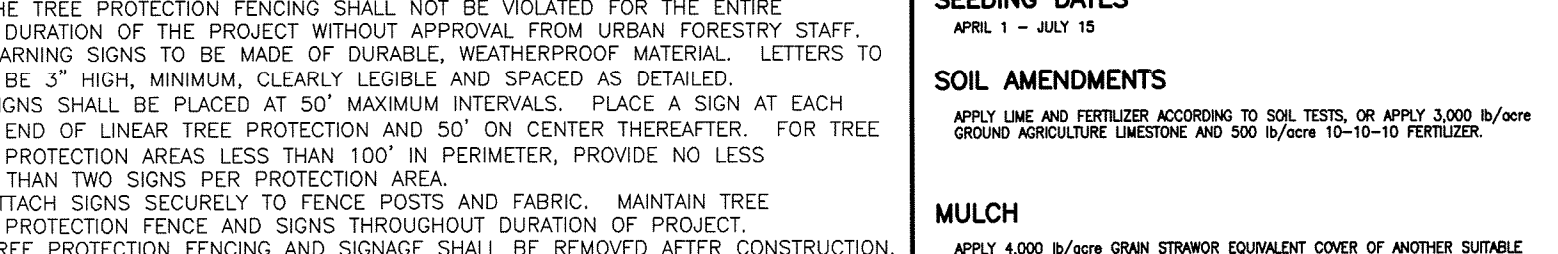
SPRING-SUMMER PERMANENT GRASSING DETAIL
NTS



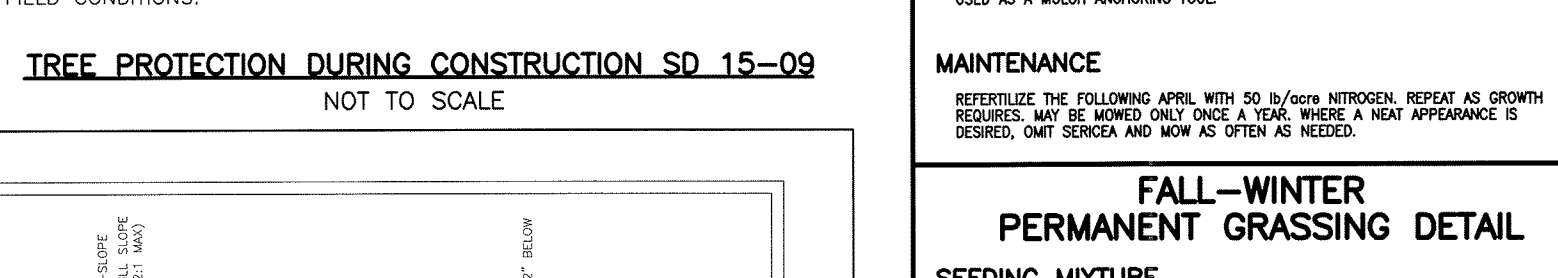
FALL-WINTER PERMANENT GRASSING DETAIL
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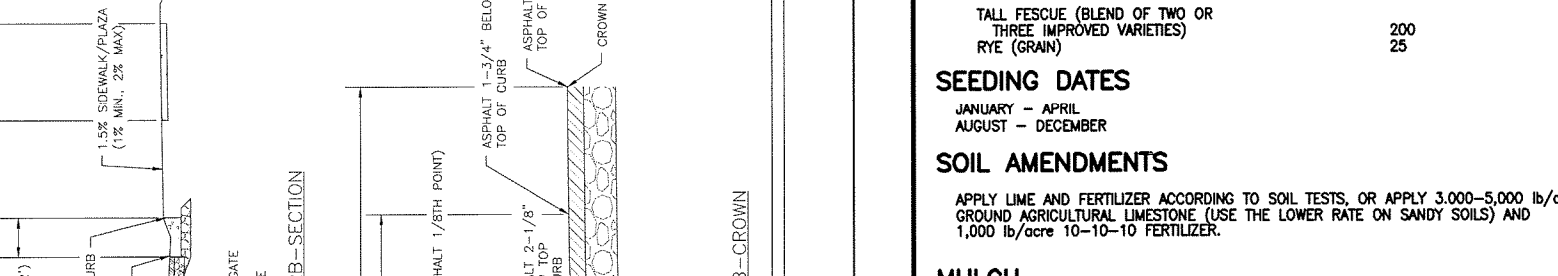
LATE WINTER & EARLY SPRING TEMPORARY GRASSING DETAIL
NTS



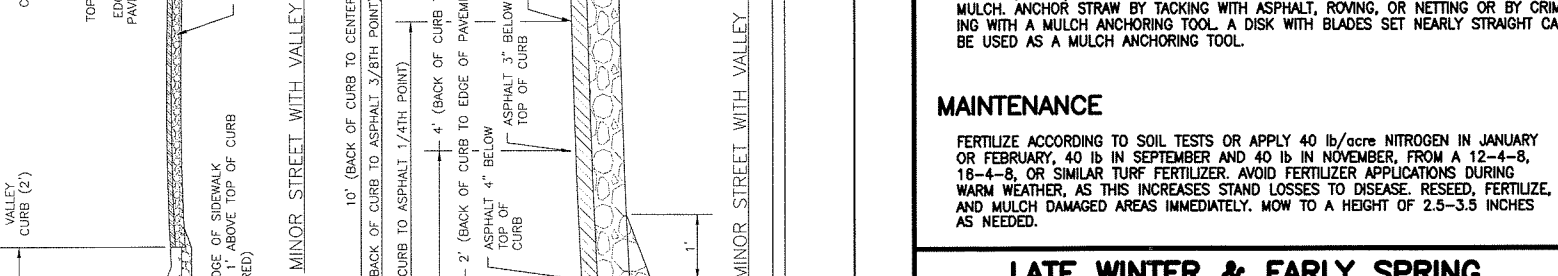
TEMPORARY SUMMER GRASSING DETAIL
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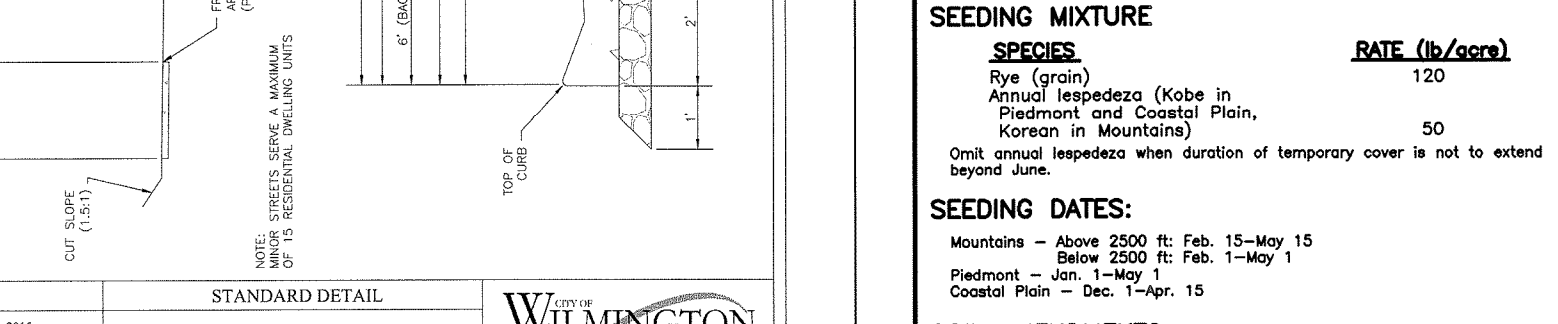
TEMPORARY FALL GRASSING DETAIL
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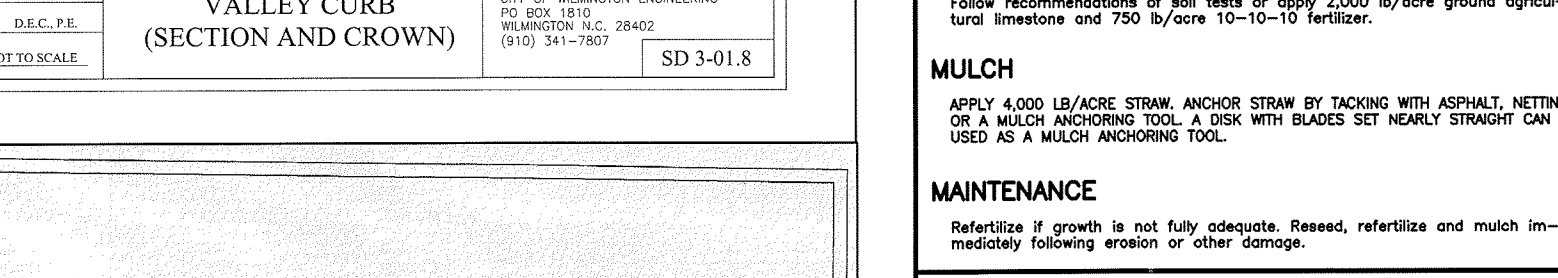
STANDARD DETAIL SIDEWALK
SD 3-10



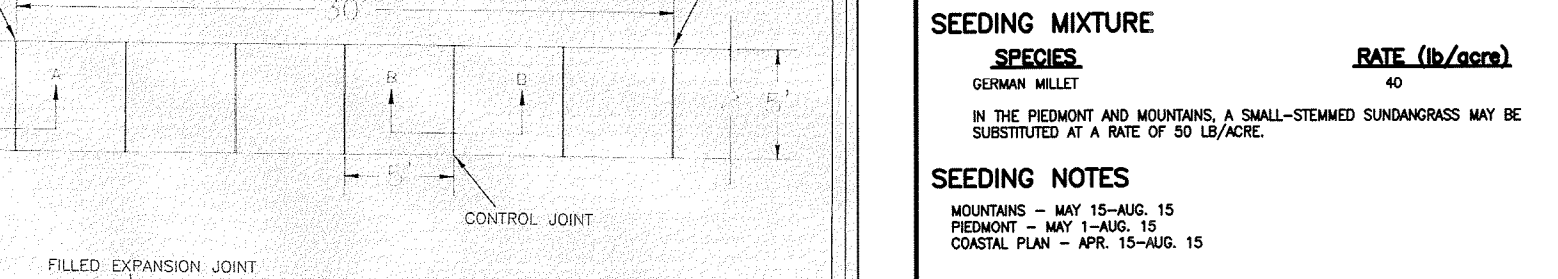
STANDARD DETAIL SIDEWALK
SD 3-10



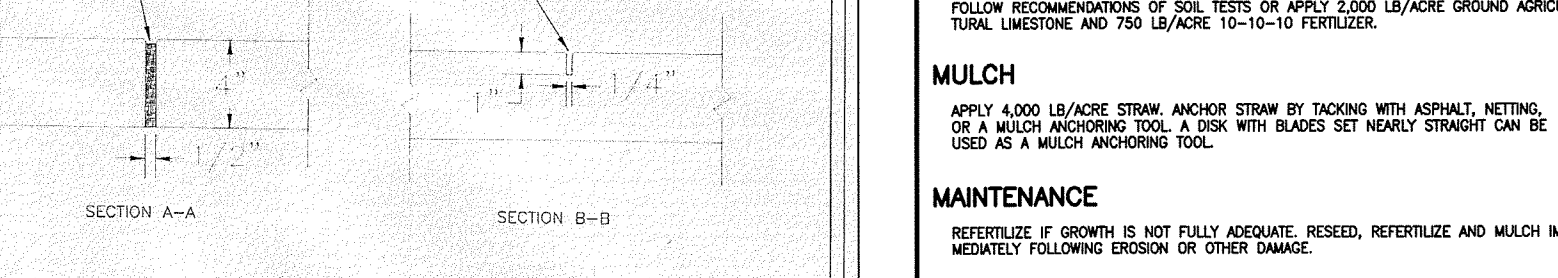
STANDARD DETAIL SIDEWALK
SD 3-10



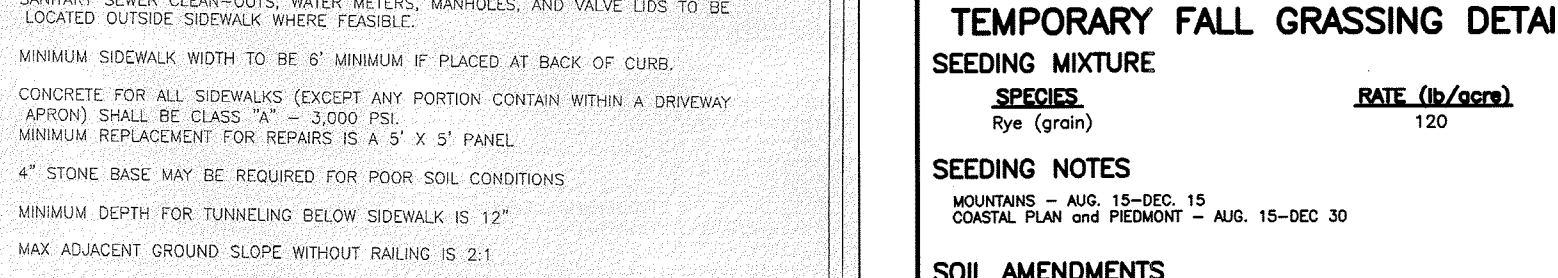
STANDARD DETAIL SIDEWALK
SD 3-10



STANDARD DETAIL SIDEWALK
SD 3-10



STANDARD DETAIL SIDEWALK
SD 3-10



STANDARD DETAIL SIDEWALK
SD 3-10

DATE	DESCRIPTION	BY
03-08-17	REVISED PER COMMENTS	EJW
05-11-17	ADDED 3-01.8	EJW
05-18-17	ADDED MONUMENT DETAILS	EJW

REVISIONS

DATE 12-28-16
DESIGN PJT
DRAWN EGW

C8

SHEET 8 OF 9

14023

TRIPP ENGINEERING, P.C.
419 Chestnut Street
Wilmington, North Carolina 28401
Phone 910-763-5100
Fax 910-763-5631

FORTUNE PLACE II
NEW HANOVER COUNTY, NORTH CAROLINA

DETAILS AND NOTES

DATE 12-28-16
DESIGN PJT
DRAWN EGW

C8

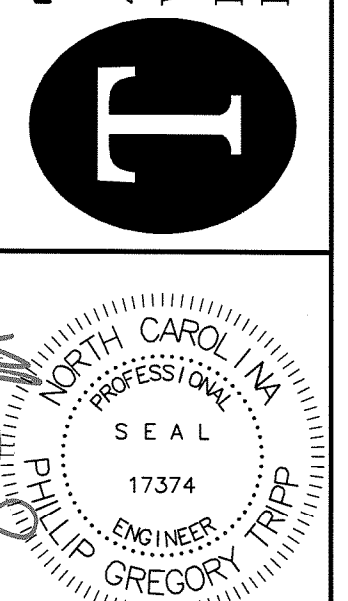
SHEET 8 OF 9
14023

REVISIONS			
Date	Description	By	
03-08-17	ADD COMMENTS	EJW	

DATE: 03-08-17
 DESIGN: PGT
 DRAWN: EJW

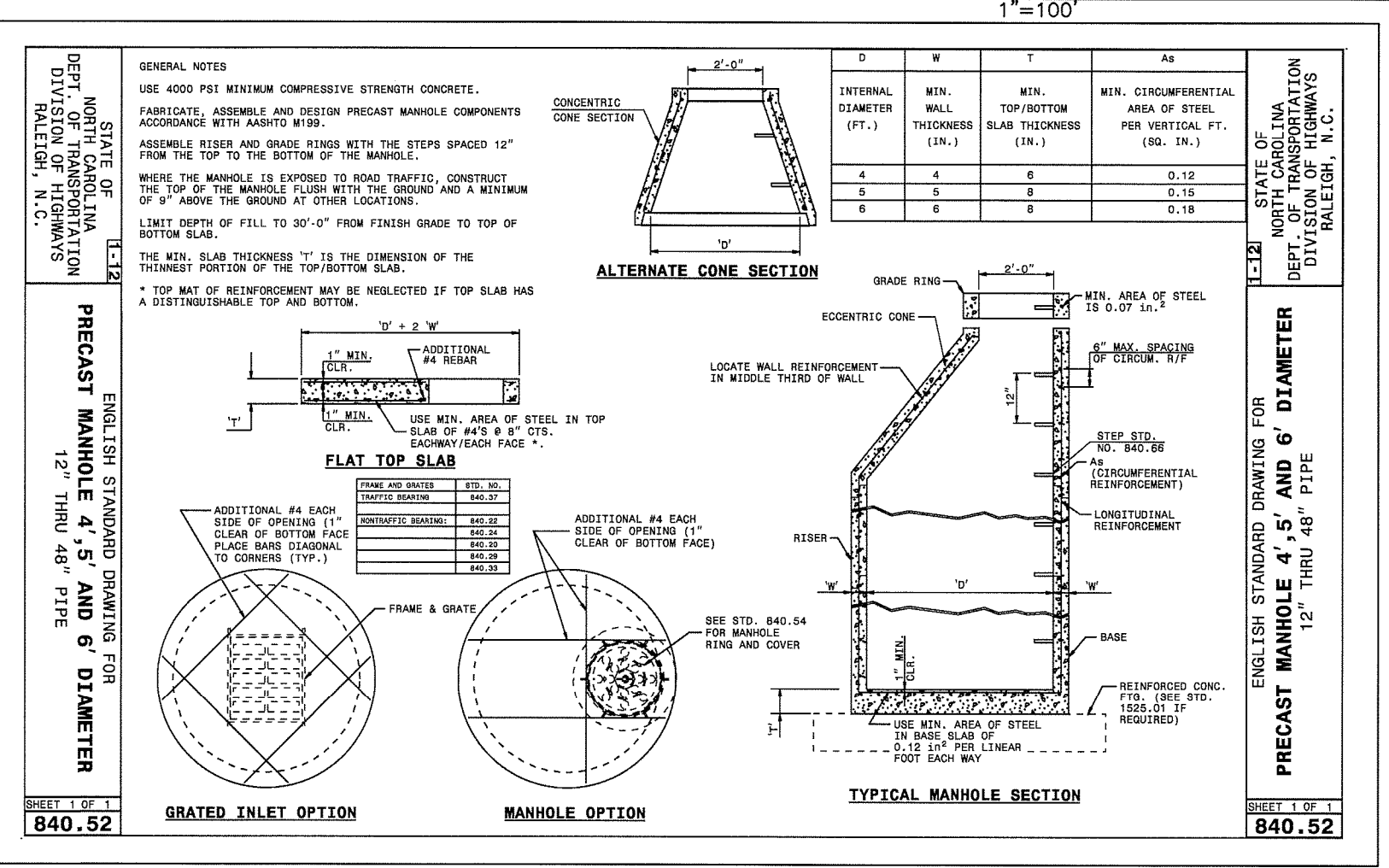
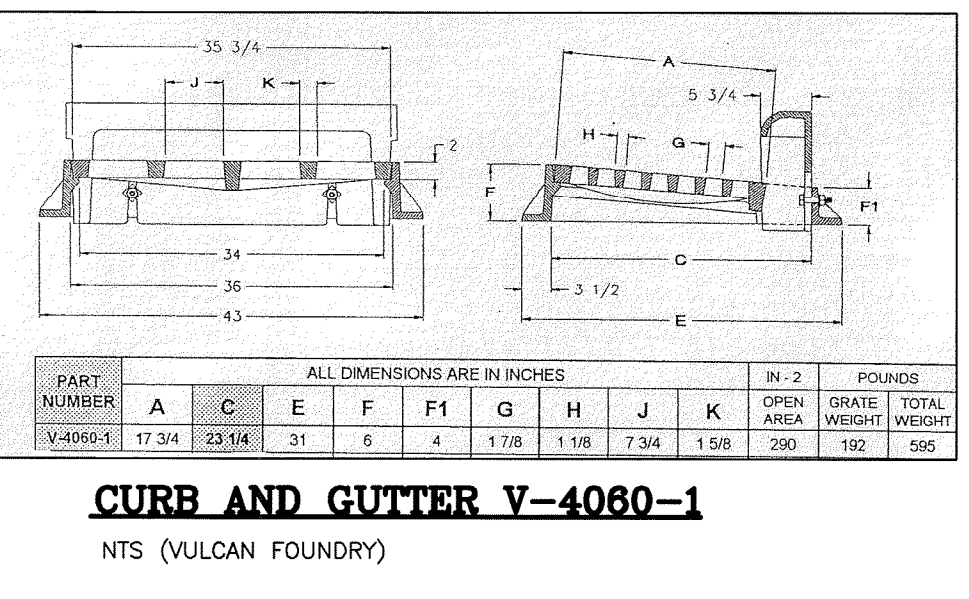
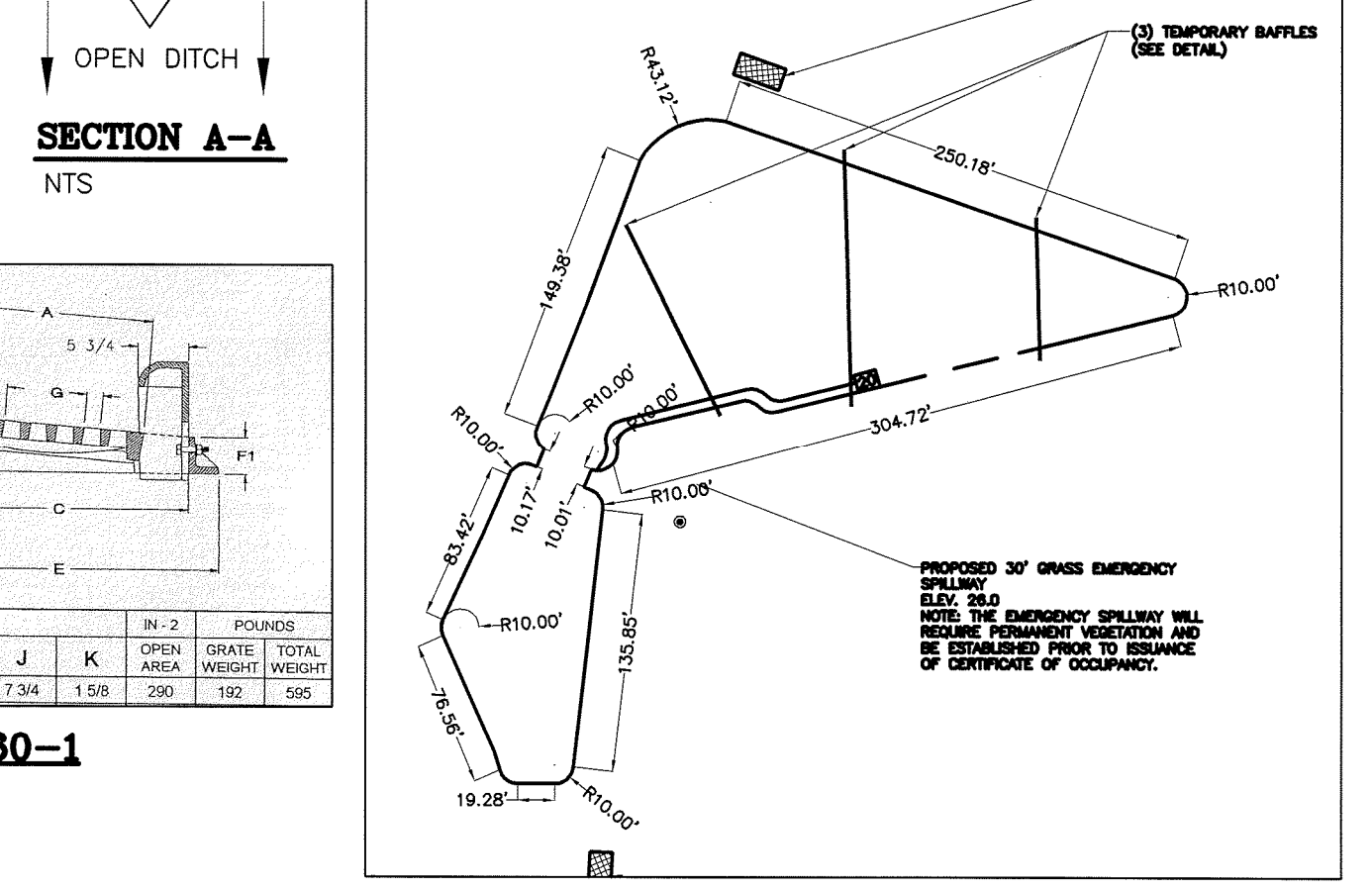
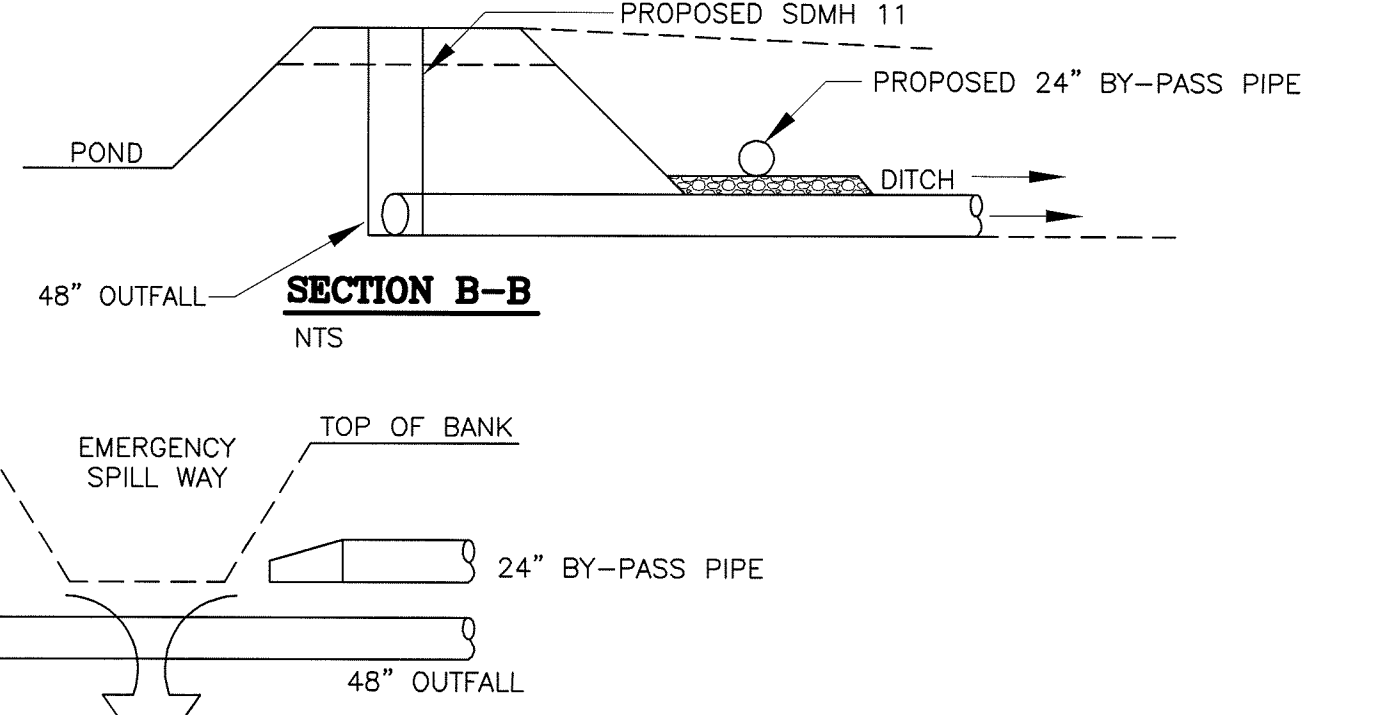
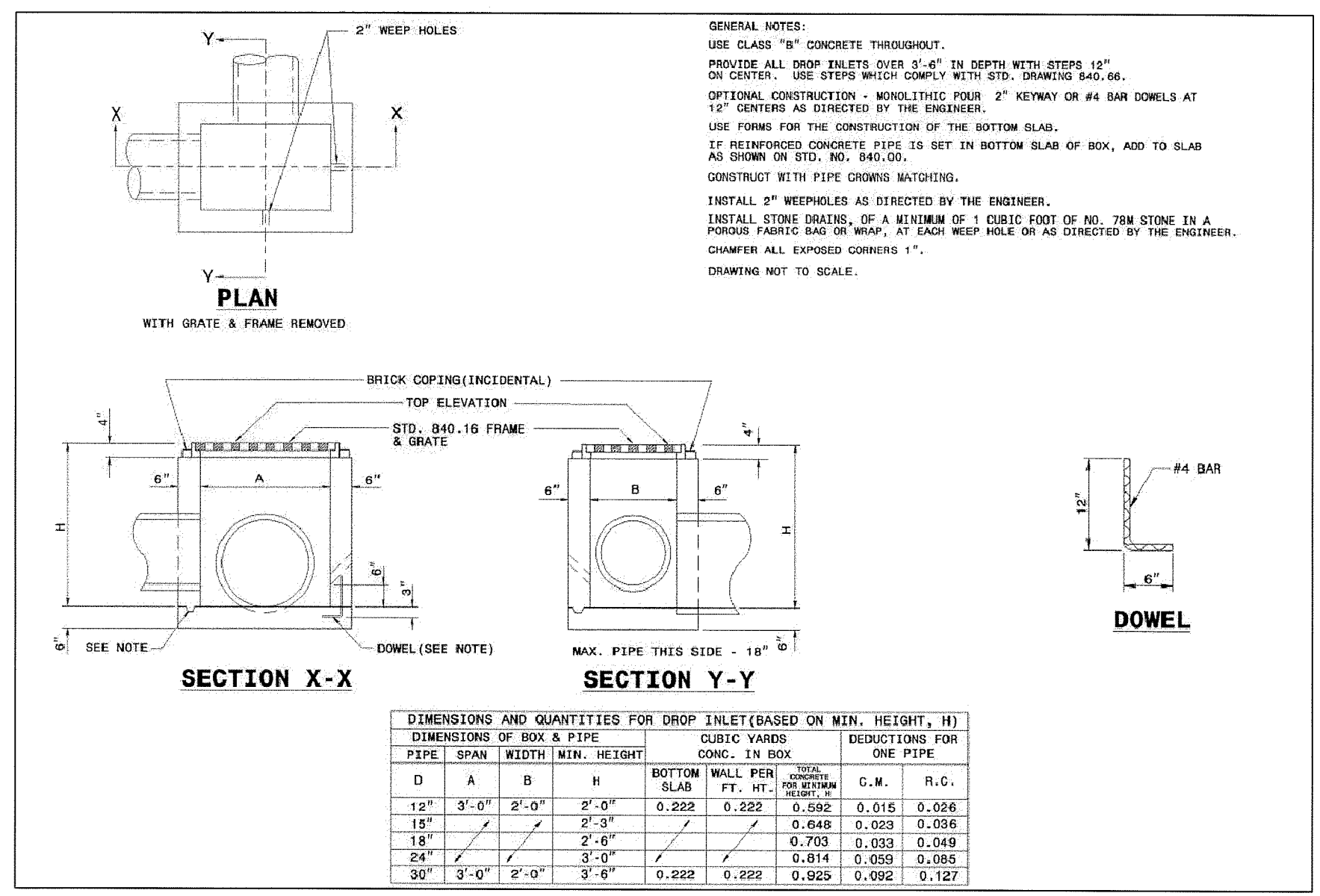
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DETAILS AND NOTES



DATE: 03-08-17
 DESIGN: PGT
 DRAWN: EJW

C9
 SHEET 9 OF 9
 14023



For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

Approved Construction Plan

Name: _____ Date: _____

Planning: _____

Traffic: _____

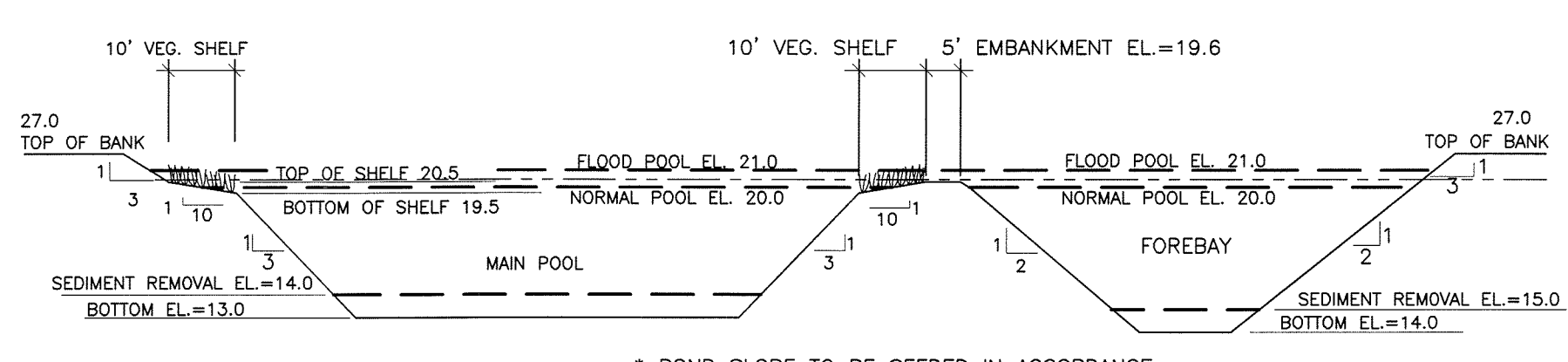
Fire: _____

STORMWATER MANAGEMENT PLAN APPROVED

CITY OF WILMINGTON ENGINEERING DEPARTMENT

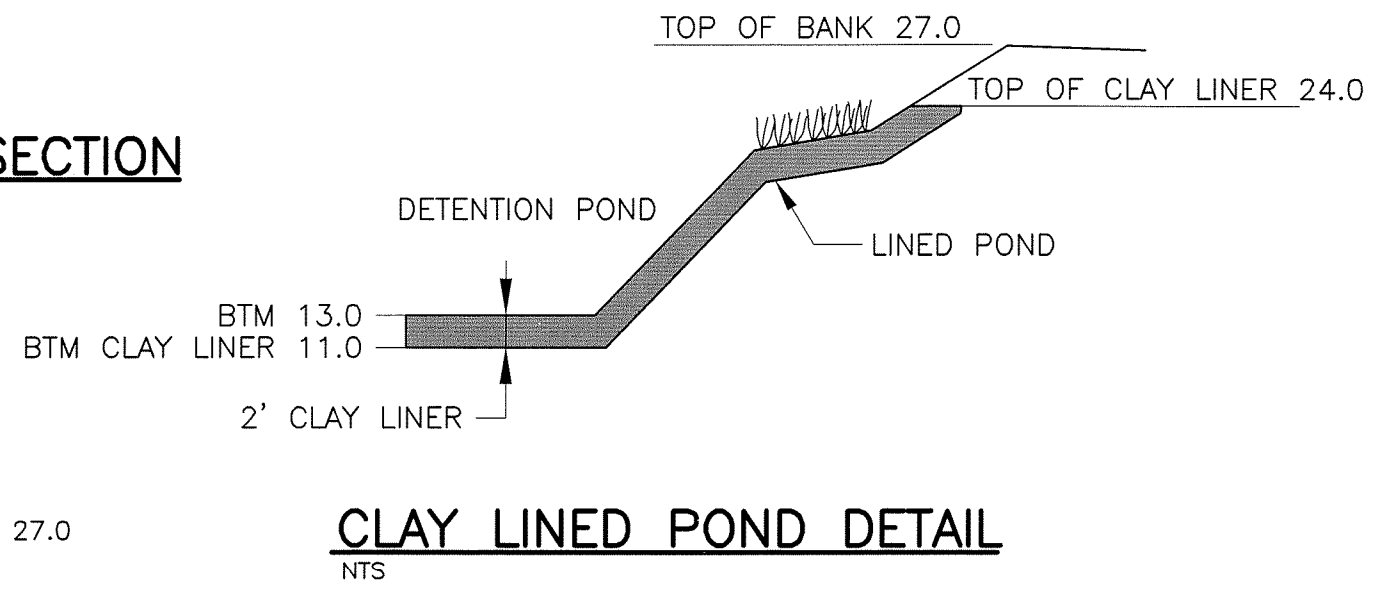
DATE: _____ PERMIT #: _____

SIGNED: _____

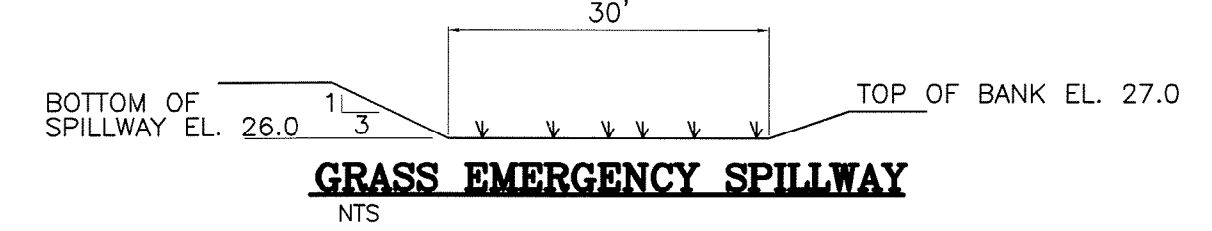


DETENTION POND & FOREBAY SECTION

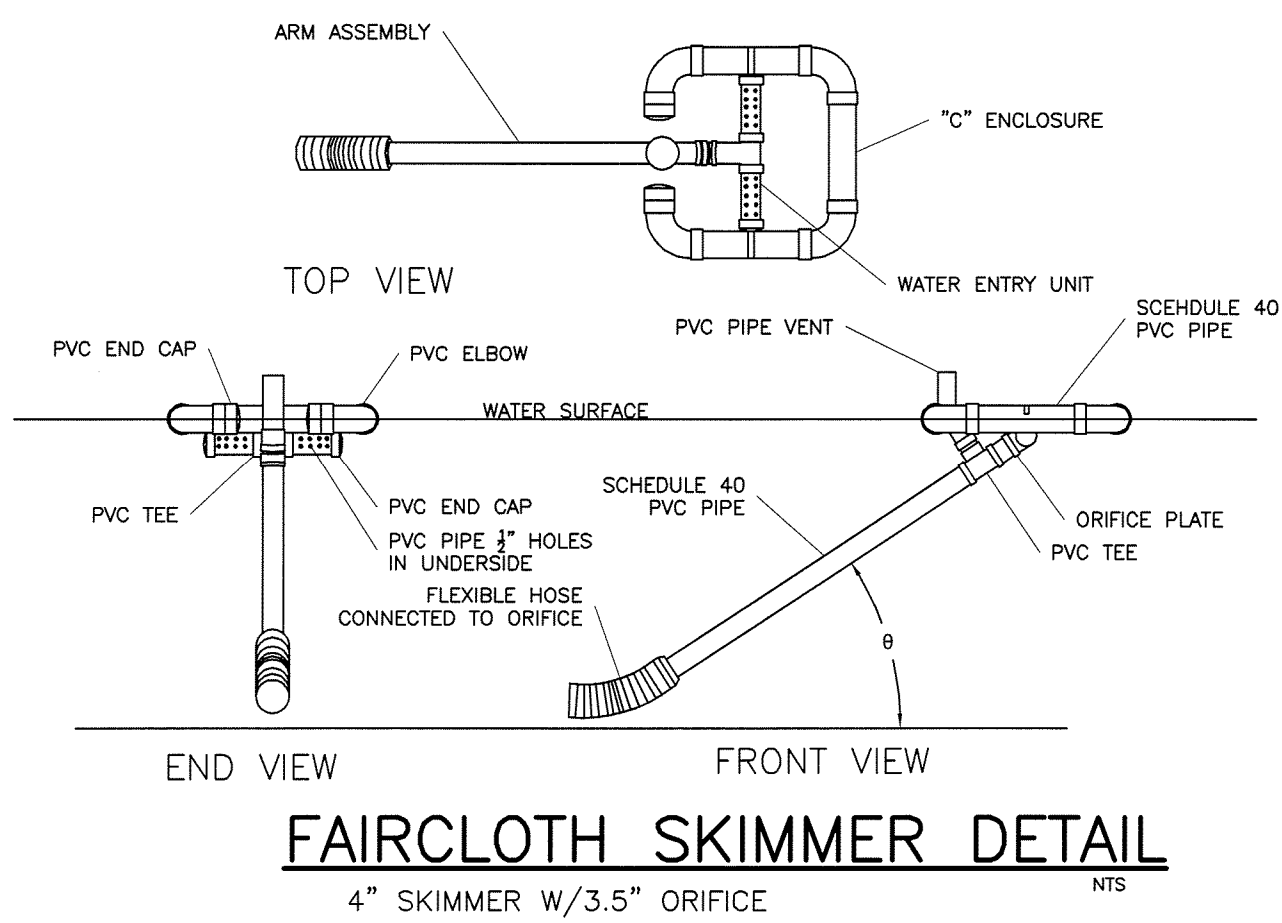
- POND SLOPE TO BE SEEDED IN ACCORDANCE TO SEEDING SPECIFICATIONS
- A PUMP WILL BE PROVIDED TO DRAIN THE BASIN FOR MAINTENANCE AND EMERGENCIES
- SEE TYPICAL VEGETATED SHELF LANDSCAPING DETAIL
- PERMANENT VEGETATED STABILIZATION OF THE POND SIDESLOPES WILL BE REQUIRED PRIOR TO FINAL INSPECTION.



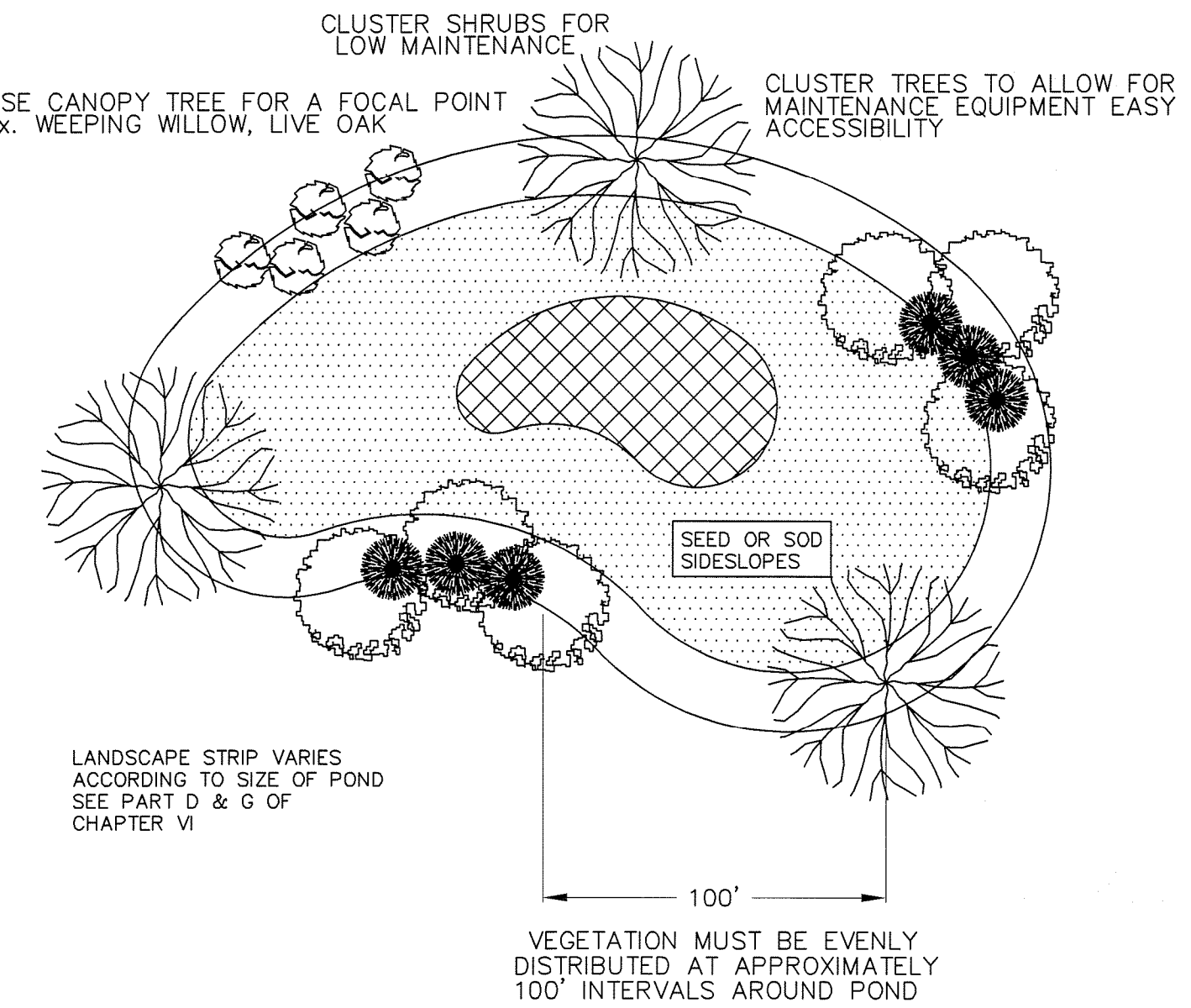
CLAY LINED POND DETAIL



GRASS EMERGENCY SPILLWAY

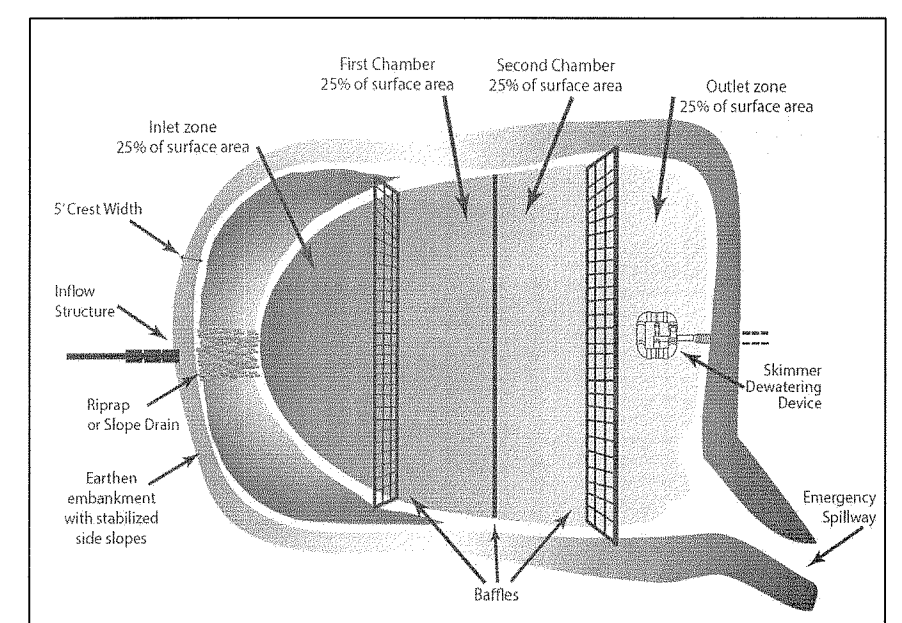


FAIRCLOTH SKIMMER DETAIL

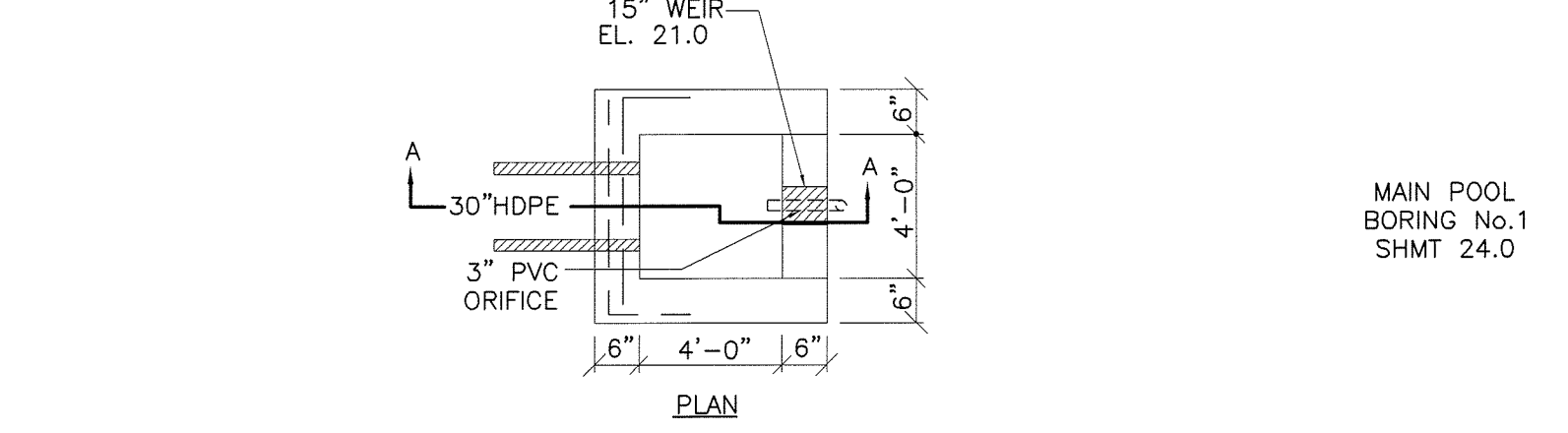


TYPICAL CITY OF WILMINGTON STORMWATER FACILITY LANDSCAPING PLAN

- Notes:
1. If possible, locate pond where vegetation exists.
 2. Suggest minimal clearing to conserve visual quality of site and minimize the additional of tree planting. An irregular shape provides a more natural appearance.
 3. Landscape strip shall be a maximum slope of 7:1 in order to plant vegetation.
 4. Provide a minimum of 3 inches of mulch around all vegetation.



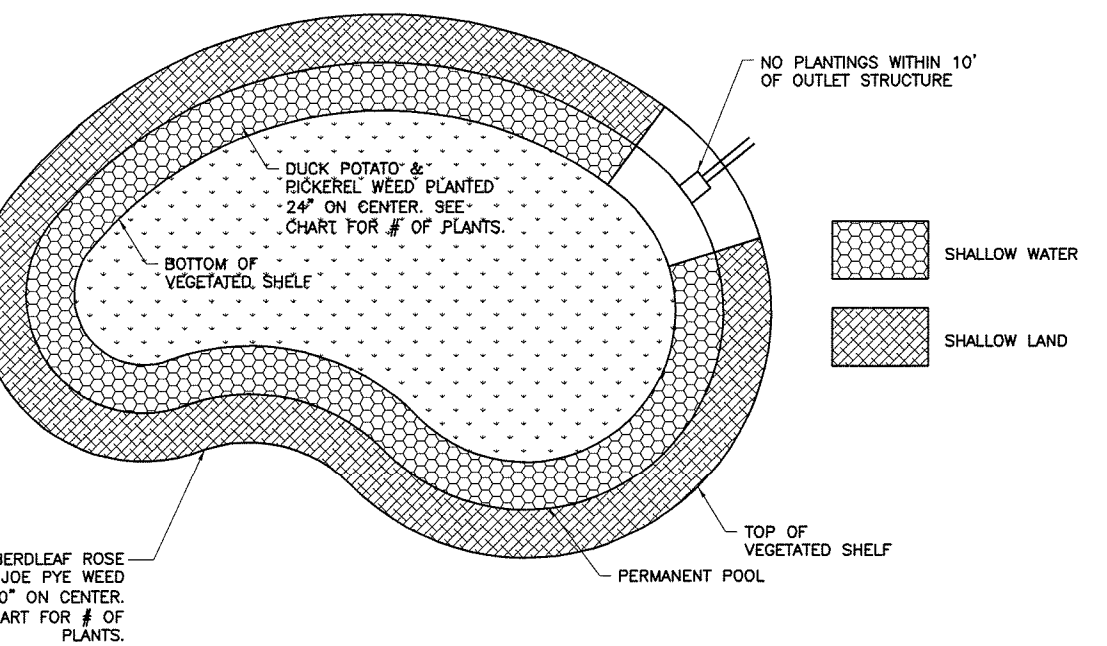
BAFFLE SPACING DETAIL



GALV. BAR GRATING - 1" x 1/8" BEARING BARS (MAX OPENING 4"). FASTEN WITH TYPE J CLIPS. ATTACH TO 1-1/4" x 1-1/4" x 1/4" GALVANIZED ANGLE FRAME. MORTAR FRAME TO TOP OF OUTLET STRUCTURE.

DETENTION POND OUTLET STRUCTURE

NORMAL POOL TO SHELF BOTTOM = 4216 SF						
PLANT TYPE	QTY	BOTANICAL NAME	COMMON NAME	ROOT CALIPER	NOTES	
HERBACEOUS	527	SAGITTARIA LATIFOLIA	DUCK POTATO	CONT. 4" POT	24" O.C.	
HERBACEOUS	527	PONTEDARIA CORDATA	PICKEREL WEED	CONT. 4" POT	24" O.C.	



TYPICAL VEGETATED SHELF LANDSCAPING DETAIL

- Notes:
- 1) NO PLANTINGS WITHIN 10' OF OUTLET STRUCTURE.
 - 2) ALL LANDSCAPE MATERIAL, INCLUDING GRASS, SHOULD BE PLANTED IN GOOD SOIL. NATIVE UNDERLYING SOILS MAY BE SUITABLE FOR PLANTING IF AMENDED WITH 4" OF WELL-AERATED COMPOST FILLED INTO THE SUBGRADE. COMPOST SHOULD MEET SPECIFICATIONS FOR GRADE A COMPOST QUALITY.
 - 3) A MINIMUM TWO-YEAR WARRANTY PERIOD STIPULATING REQUIREMENTS FOR PLANT SURVIVAL/REPLACEMENT.
 - 4) PERMANENT VEGETATED STABILIZATION OF THE POND SIDESLOPES WILL BE REQUIRED PRIOR TO FINAL INSPECTION.

BAFFLE CONSTRUCTION SPECIFICATION:

1. GRADE THE BASIN SO THAT THE BOTTOM IS LEVEL FRONT TO BACK AND SIDE TO SIDE.
2. INSTALL THE COIR FIBER BAFFLES IMMEDIATELY UPON EXCAVATION OF THE BASINS.
3. INSTALL POSTS ACROSS THE WIDTH OF THE SEDIMENT TRAP.
4. STEEL POSTS SHOULD BE DRIVEN TO A DEPTH OF 24 INCHES AND SPACED A MAXIMUM OF 4 FEET APART. THE TOP OF THE FABRIC SHOULD BE 6 INCHES HIGHER THAN THE INVERT OF THE SPILLWAY. TOPS OF BAFFLES SHOULD BE 2 INCHES LOWER THAN THE TOP OF THE EARTHEN EMBANKMENT.
5. INSTALL AT LEAST THREE ROWS OF BAFFLES BETWEEN THE INLET AND OUTLET DISCHARGE POINT. BASINS LESS THAN 20 FEET IN LENGTH MAY USE 2 BAFFLES.
6. ATTACH A 9 GAUGE HIGH TENSION WIRE STRAND TO THE STEEL POSTS AT A HEIGHT OF 6 INCHES ABOVE THE SPILLWAY ELEVATION WITH PLASTIC TIES OR WIRE FASTENERS TO PREVENT SAGGING. IF THE TEMPORARY SEDIMENT BASIN WILL BE CONVERTED TO A PERMANENT STORMWATER BASIN OF A GREATER DEPTH, THE BAFFLE HEIGHT SHOULD BE BASED ON THE POOL DEPTH DURING USE AS A TEMPORARY SEDIMENT BASIN.
7. EXTEND 9 GAUGE MINIMUM HIGH TENSION WIRE STRAND TO SIDE OF BASIN OR INSTALL STEEL T-POSTS TO ANCHOR BAFFLE TO SIDE OF BASIN AND SECURE TO VERTICAL END POSTS.
8. DRAPE THE COIR FIBER MAT OVER THE WIRE STRAND MOUNTED AT A HEIGHT OF 6 INCHES ABOVE THE SPILLWAY ELEVATION. SECURE THE COIR FIBER MAT TO THE WIRE STRAND WITH PLASTIC TIES OR WIRE FASTENERS. ANCHOR THE MATTING TO THE SIDES AND FLOOR OF THE BASIN WITH 12 INCH WIRE STAPLES, APPROXIMATELY 1 FT APART, ALONG THE BOTTOM AND SIDE SLOPES OF THE BASIN.
9. DO NOT STAPLE THE FABRIC, BUT USE A CONTINUOUS PIECE ACROSS THE BASIN.
10. ADJUSTMENTS MAY BE REQUIRED IN THE STAPLING REQUIREMENTS TO FIT INDIVIDUAL SITE CONDITIONS.

POROUS BAFFLE DATA		
Basin #	# of Baffles	Spacing Between Baffles
1	3	100.0'

CROSS SECTION OF POROUS BAFFLE

