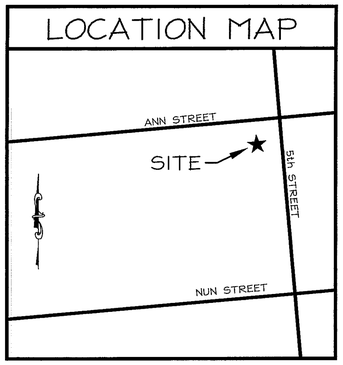
LOCATION MAP



Approved Construction Plan

	Name	Date
Planning		
Traffic		
Fire		

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

LEGEND

- LIGHT POLE
- POWER POLE
- OHP — OVERHEAD POWERLINE
- NEW BRICK PAVERS
- SOD
- × 99.61 EXISTING SPOT ELEVATIO
- 100.38 PROPOSED SPOT ELEVATI
- TREE PROTECTION FENCE
- LIMITS OF DISTURBANCE
- EX. TREE SIZE AND TYPE NOTED

SITE DATA

PARID	R05405-021-001-000
OWNER	DIOCESE OF RALEIGH
ADDRESS	412 ANN STREET WILMINGTON, NC 28401
ZONING	HD-R
TOTAL ACREAGE	1.75 AC
EXISTING IMPERVIOUS (CONCRETE PARKING & SIDEWALK)	9080 SQ FT
NEW IMPERVIOUS	9,260 SQ FT
20% CANOPY COVERAGE REQ.	1852 SQ FT
CANOPY COVERAGE PROPOSED	605 SQ FT
CAMA CLASSIFICATION	URBAN
LIMITS OF DISTURBANCE	14,800 SQ FT
BUILDING FOOTPRINT IMPERVIOUS	32,400 SF (42.5%)
OFF-STREET PARKING	N/A PURS. TO 18-526 15 PROVIDED 2 ADA PROV./1 REQ.

SETBACKS

REQUIRED	PROVIDED
FRONT - 0	FRONT - 20
SIDES - 0	SIDE - 12'
REAR - 0	REAR - 0 , 5

** HPC Approval # MJW-14-32
WATER INCREASE : 0 GPD - No new taps
SEWER INCREASE : 0 GPD - No new taps

BUILDING DATA

TILESTON BLDG	
BUILDING HEIGHT	34'
NO. STORIES/FLOORS	3
1ST FLOOR (ENCLOSED) SF	22,000
2ND FLOOR SF	22,000
BASEMENT	22,000
TOTAL SF	66,000
GYMNASIUM	
BUILDING HEIGHT	30'
NO. STORIES/FLOORS	2
1ST FLOOR (ENCLOSED) SF	7,500
BASEMENT	7,500
TOTAL SF	15,000
SHOP BUILDING	
BUILDING HEIGHT	30'
NO. STORIES/FLOORS	2
1ST FLOOR (ENCLOSED) SF	2,900
2ND FLOOR SF	2,900
TOTAL SF	5,800

NOTES:
1. THE CONSTRUCTION SITE IS NOT LOCATED IN A FEMA FLOOD HAZARDOUS ZONE. FIRM # 3720312700J, APRIL 3, 2006.
2. THERE ARE NO WETLANDS ON THE SITE.
3. PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, TREE PROTECTION SHALL BE INSTALLED AROUND PROTECTED TREES. NO CONSTRUCTION WORKERS, TOOLS, MATERIALS, EQUIPMENT OR VEHICLES ARE PERMITTED WITHIN TREE PROTECTION FENCING.
4. TRAFFIC CONTROL DEVICES (INCLUDING SIGNS AND PAVEMENT MARKINGS) IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS.
5. IF THE CONTRACTOR DESIRES WATER FOR CONSTRUCTION, HE SHALL APPLY IN ADVANCE FOR THIS SERVICE FROM CAPE FEAR PUBLIC UTILITY AUTHORITY (CFPUA) AND MUST PROVIDE A REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTION DEVICE ON THE DEVELOPER'S SIDE OF THE METER BOX. ANY BACKFLOW PREVENTION DEVICES REQUIRED WILL NEED TO BE ON THE LIST OF DEVICES APPROVED BY USCFCCCHR OR ASSE.
6. ANY IRRIGATION SYSTEM SUPPLY BY CFPUA WATER SHALL COMPLY WITH THE CFPUA CROSS CONNECTION CONTROL REGULATIONS.
7. CONTACT THE NORTH CAROLINA ONE CALL CENTER PRIOR TO DOING ANY DIGGING. 1-800-632-4949
8. THE BELLSOUTH CONTACT IS STEVE DAYVAULT. HE IS THE BUILDING INDUSTRY CONSULTANT (910) 392-8712. PLEASE CONTACT HIM PRIOR TO STARTING THE PROJECT IN ORDER TO FACILITATE GOOD COMMUNICATION AND MAXIMUM FLEXIBILITY.
9. ALL PLANTED AND RETAINED LIVING MATERIAL REQUIRED TO MEET THE PROVISIONS OF THE CITY OF WILMINGTON LAND DEVELOPMENT CODE, SHALL BE PERPETUALLY PROTECTED AND MAINTAINED TO PROFESSIONAL ACCEPTED STANDARDS BY JOINT AND SEVERAL RESPONSIBILITY OF THE OWNER, TENANT AND RESPECTIVE AGENTS OF THE PROPERTY ON ON WHICH THE MATERIAL IS LOCATED.
10. ANY PLANT MATERIAL THAT WAS PREVIOUSLY INSTALLED ON THE SITE TO MEET THE PROVISIONS OF THE CITY OF WILMINGTON LAND DEVELOPMENT CODE THAT HAS NOT BEEN MAINTAINED MUST BE REPLACED.
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12. ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREAS SHALL BE WHITE.
13. PROPERTY IS RELIGIOUS USE. SCHOOL, GYMNASIUM, AND OUTREACH MISSIONS.
14. SOLID WASTE IS CURRENTLY BEING HANDLED BY THE ONE EXISTING DUMPSTER. DUMPSTER SCREENING WILL BE IN ACCORDANCE WITH COA MJW-14-32.
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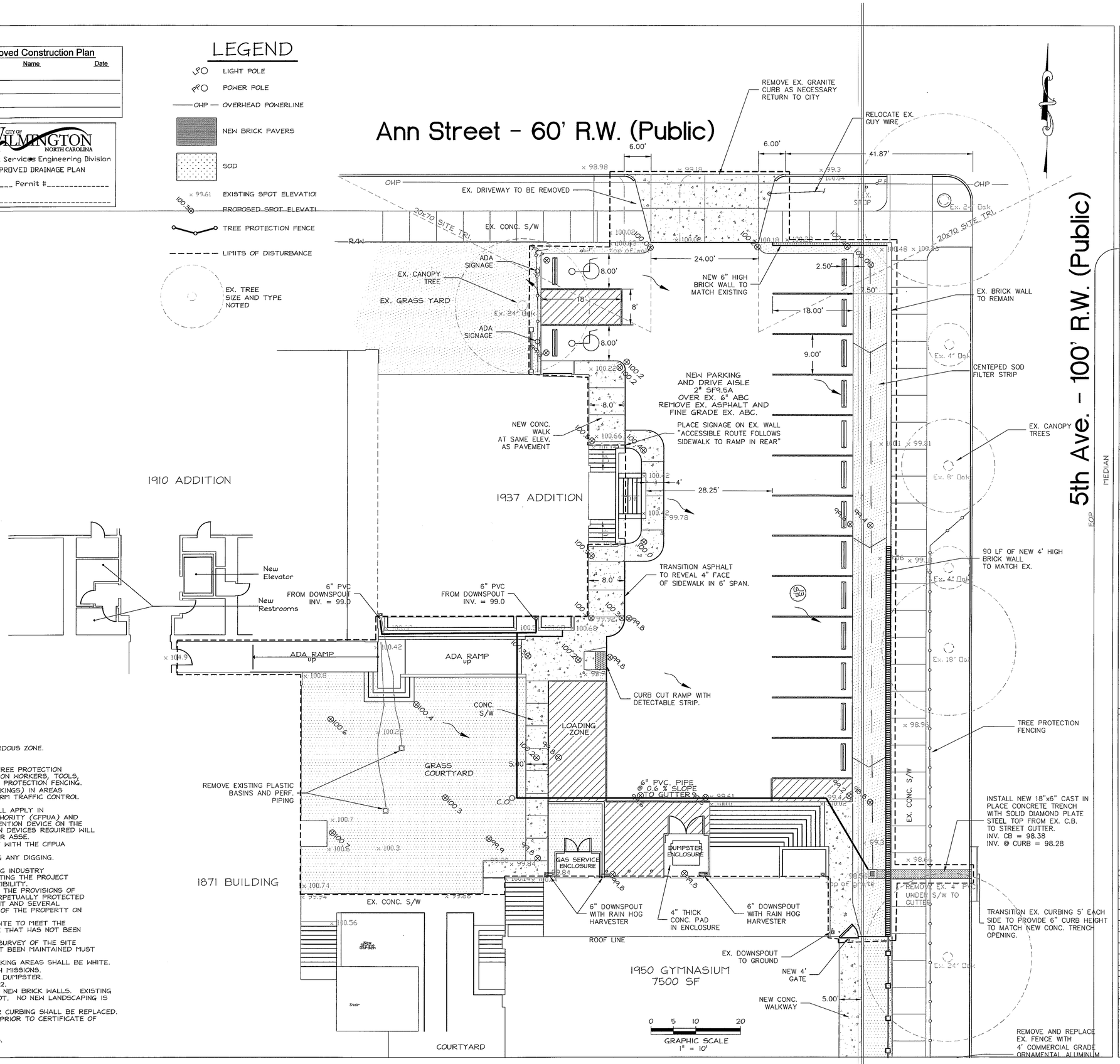

BECKER MORGAN GROUP
ARCHITECTURE PLANNING
Wilmington, NC
3205 Randall Parkway, Suite 211
Wilmington, NC 28403
910.341.7600
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(910) 251-8544 FAX (910) 251-2208

PROJECT TITLE

ST. MARY PARISH TILESTON CAMPUS ACCESSIBILITY PROJECT

412 ANN STREET
WILMINGTON, NC 28401

SHEET TITLE

SITE PLAN

RECEIVED
JUL 30 2014
PLANNING DIVISION

ISSUE BLOCK

MARK	DATE	DESCRIPTION

PROJECT NO:	2013129.00
DATE:	01/14/2014
SCALE:	
DRAWN BY:	PROJ MGR: LML

C1

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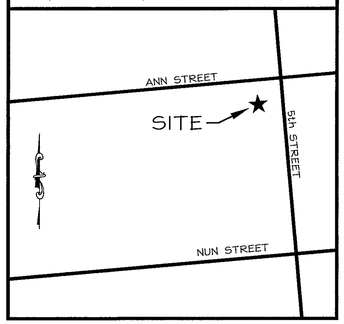
LOCATION MAP



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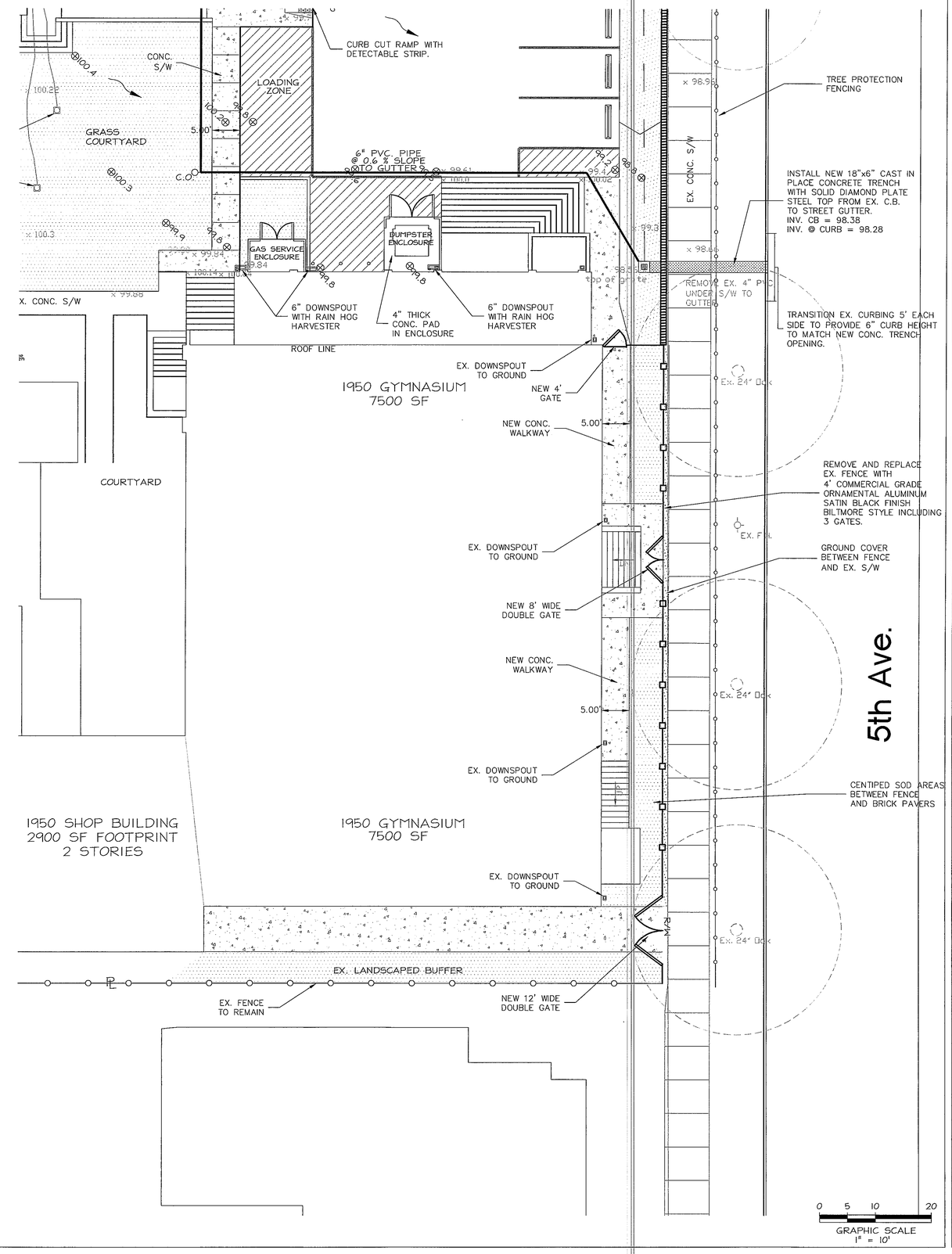

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PROJECT TITLE

ST. MARY PARISH TILESTON CAMPUS ACCESSIBILITY PROJECT

412 ANN STREET
WILMINGTON, NC 28401

SHEET TITLE

SITE PLAN

ISSUE BLOCK

MARK	DATE	DESCRIPTION

PROJECT NO:	2013129.00
DATE:	01/14/2014
SCALE:	
DRAWN BY:	PROJ MGR: LML

C2

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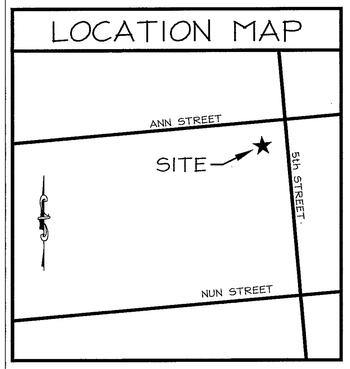
LOCATION MAP



Approved Construction Plan	Name	Date
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CITY OF WILMINGTON NORTH CAROLINA
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** HPC Approval # MJW-14-32
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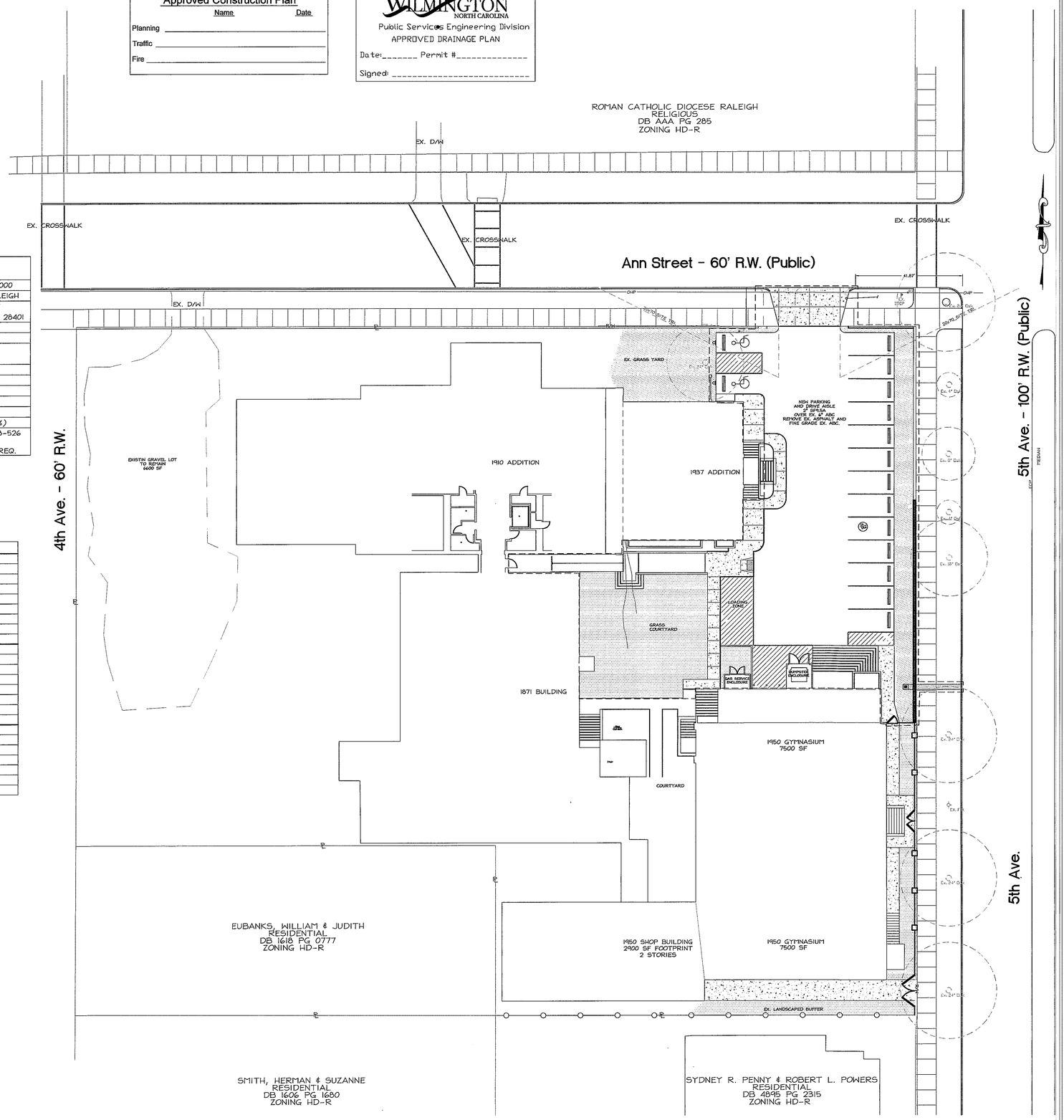

0 10 20 40
GRAPHIC SCALE
1" = 20'

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PROJECT TITLE

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SHEET TITLE

SITE OVERVIEW

ISSUE BLOCK

MARK	DATE	DESCRIPTION

PROJECT NO:	2013129.00
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C3

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VEGETATION PLAN

1. AFTER COMPLETE STABILIZATION OF THE ENTIRE COVERED AREA, TOP COVER SOILS WILL BE ROUGHENED BY MAKING 1"-2" DEEP GROOVES PERPENDICULAR TO THE SLOPE.
2. SPREAD LIME (AGRICULTURAL LIMESTONE) EVENLY OVER THE AREA AT A RATE OF 1.5 TONS/ACRES; SPREAD 10-10-10 FERTILIZER AT THE RATE SPECIFIED AND INCORPORATE INTO THE TOP 6" OF SOIL.
3. LOOSEN SURFACE PRIOR TO APPLYING SEED/SOD.
4. BROADCAST/INSTALL SEED/SOD AT RECOMMENDED RATES.
5. RAKE SEED INTO THE SOIL AND LIGHTLY PACK SEED/SOD TO ESTABLISH GOOD CONTACT.
6. IF SEEDED, MULCH WITH 4000 LB/ACRE GRAIN STRAW OR EQUIVALENT AND ANCHOR BY WEIGHTED FARM DISC SET NEARLY STRAIGHT (OR OTHER MULCH ANCHORING TOOL.)
7. MOW AS NEEDED AND REFERTILIZE IN LATE WINTER OR EARLY SPRING BY TOPDRESSING WITH 10-10-10 FERTILIZER.

** 8. SOIL STABILIZATION SHALL BE ACHIEVED ON ANY AREA OF A SITE WHERE LAND DISTURBING ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED ACCORDING TO THE FOLLOWING SCHEDULE:
1) ALL PERIMETER DIKES, SHALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3:1 SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 7 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.
2) ALL OTHER DISTURBED AREAS SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 14 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.

MAINTENANCE PLAN

1. ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL, BUT IN NO CASE, LESS THAN ONCE EVERY WEEK AND WITHIN 24 HOURS OF EVERY HALF-INCH RAINFALL.
2. ALL POINTS OF EGRESS WILL HAVE CONSTRUCTION ENTRANCES THAT WILL BE PERIODICALLY TOP-DRESSED WITH AN ADDITIONAL 2 INCHES OF #4 STONE TO MAINTAIN PROPER DEPTH. THEY WILL BE MAINTAINED IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE SITE. IMMEDIATELY REMOVE OBJECTIONABLE MATERIAL SPILLED, WASHED OR TRACKED ONTO THE CONSTRUCTION ENTRANCE OR ROADWAYS.
3. SEDIMENT WILL BE REMOVED FROM HARDWARE CLOTH AND GRAVEL INLET PROTECTION, BLOCK AND GRAVEL INLET PROTECTION, ROCK DOUGHNUT INLET PROTECTION AND ROCK PIPE INLET PROTECTION WHEN THE DESIGNED STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS AS DESIGNED. DEBRIS WILL BE REMOVED FROM AROUND BEAVER DAMS, DANDY SACKS AND SOCKS ONCE A WEEK AND AFTER EVERY RAIN EVENT.
4. SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT BECOMES HALF FILLED. THE SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER. STAKES MUST BE STEEL. STAKE SPACING WILL BE 8 FEET MAX. WHEN STANDARD STRENGTH FABRIC AND WIRE BACKING ARE USED. IF ROCK FILTERS ARE DESIGNED AT LOW POINTS IN THE SEDIMENT FENCE, THE ROCK WILL BE REPAIRED OR REPLACED IF IT BECOMES HALF FULL OF SEDIMENT, NO LONGER DRAINS AS DESIGNED OR IS DAMAGED.
5. SEDIMENT WILL BE REMOVED FROM THE SEDIMENT BASIN WHEN THE DESIGN STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS OR IF THE ROCK IS DISLODGED. BAFFLES WILL BE REPAIRED OR REPLACED IF THEY COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE. THEY WILL BE REPLACED PROMPTLY. SEDIMENT WILL BE REMOVED FROM BAFFLES WHEN DEPOSITS REACH HALF THE HEIGHT OF THE FIRST BAFFLE. FLOATING SKIMMERS WILL BE INSPECTED WEEKLY AND WILL BE KEPT CLEAN.
6. ALL SEEDED AREAS WILL BE FERTILIZED, RESEEDED AS NECESSARY AND MULCHED ACCORDING TO SPECIFICATIONS IN THE VEGETATIVE PLAN TO MAINTAIN A VIGOROUS, DENSE, VEGETATIVE COVER.
7. FLOCCULENTS WILL BE USED TO ADDRESS TURBIDITY ISSUES. THE PUMPS, TANKS, HOSES AND INJECTION SYSTEMS WILL BE CHECKED FOR PROBLEMS OR TURBID DISCHARGES DAILY.

GENERAL NOTES

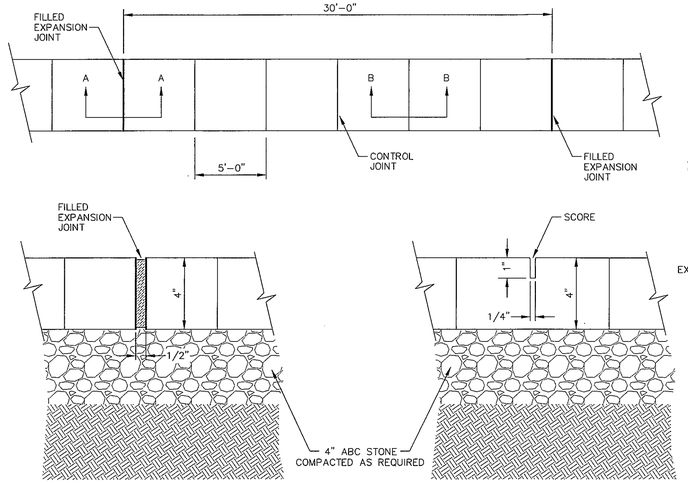
1. CONTRACTOR SHALL CONTACT THE N.C. ONE CALL CENTER TO LOCATE EXISTING UTILITIES AT THE SITE PRIOR TO ANY LAND DISTURBING ACTIVITY.
2. CONTRACTOR SOLELY RESPONSIBLE FOR COORDINATION WITH EXISTING UTILITIES AND ANY DAMAGE THAT OCCURS.
3. ALL TREES TO BE SAVED MUST BE PROPERLY PROTECTED THROUGHOUT CONSTRUCTION.
4. NO WETLANDS EXIST WITHIN THE PROJECT SITE.
5. TOPOGRAPHIC AND LOCATION INFORMATION SHOWN BASED ON SITE SURVEY BY MCKIMCREED.

PARKING NOTES

1. WHEEL STOPS SHALL BE REQUIRED THREE FEET FROM THE END OF PARKING STALL WHEN USING EIGHTEEN FEET DEEP STALLS.
2. ALL PARKING STALL MARKINGS AND LANE ARROWS SHALL BE WHITE.
3. ALL OTHER PAVEMENT MARKINGS, SIGNS OR OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITION AND/OR INTERPRETATION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
4. NO OBSTRUCTIONS WILL BE ALLOWED ADJACENT TO A PARKING STALL WHICH WOULD PREVENT SAFE INGRESS AND EGRESS FROM A PARKED VEHICLE.

CONSTRUCTION SCHEDULE

1. OBTAIN PLAN APPROVAL AND OTHER APPLICABLE PERMITS.
2. HOLD PRE-CONSTRUCTION MEETING AT LEAST ONE WEEK PRIOR TO BEGINNING CONSTRUCTION.
3. INSTALL/MAINTAIN TEMPORARY CONSTRUCTION ENTRANCE/EXIT.
4. BEFORE CLEARING AND GRADING OF SITE, INSTALL SILT FENCING AT THE BASE OF SLOPES TO RESTRICT MOVEMENT OF SEDIMENT FROM THE SITE.
5. BEGIN CLEARING AND GRADING OF THE SITE. INSTALL AND STABILIZE INFILTRATION AREAS.
6. INSTALL STORM PIPING, CATCH BASINS AND CURB INLETS.
7. INSTALL INLET PROTECTION FOR CATCH BASINS AND CURB INLETS TO RESTRICT MOVEMENT OF SEDIMENT FROM THE SITE.
8. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSPECTED BI-WEEKLY AND AFTER EACH RAINFALL EVENT. ANY NECESSARY REPAIRS SHOULD BE MADE IMMEDIATELY.
9. AFTER THE ENTIRE COVERED AREA IS STABILIZED, ALL TEMPORARY MEASURES WILL BE REMOVED AND PERMANENT VEGETATIVE REPAIRS SHOULD BE COMPLETED.
10. FLUSH ALL PIPING OF ACCUMULATED SEDIMENT.
11. CLEAN OUT INFILTRATION BASIN AND EXCAVATE TO FINAL DESIGN ELEVATION. ESTABLISH PERMANENT VEGETATION IN BASIN.

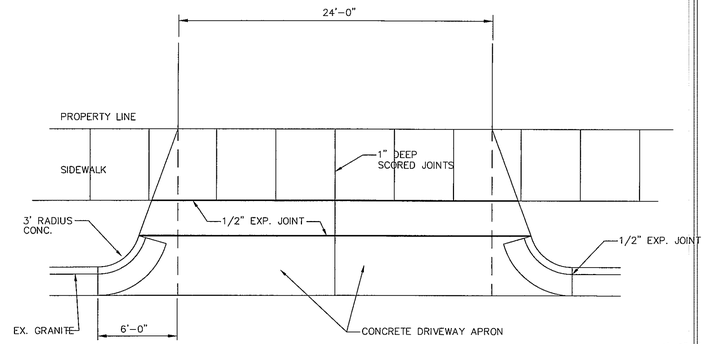


SIDEWALK DETAIL (SD 3-10)

NOT TO SCALE

SIDEWALK NOTES

1. JOINT MATERIAL TO COMPLY WITH CURRENT NCDOT STANDARDS.
2. SANITARY SEWER CLEAN-OUTS, WATER METERS, MANHOLES AND VALVE LIDS TO BE LOCATED OUTSIDE SIDEWALK WHERE FEASIBLE.
3. MINIMUM SIDEWALK WIDTH TO BE 6' IF PLACED AT BACK OF CURB.
4. CONCRETE FOR ALL SIDEWALKS (EXCEPT ANY PORTION CONTAINED WITHIN A DRIVEWAY APRON) SHALL BE CLASS "A" - 3,000 PSI
5. MINIMUM REPLACEMENT FOR REPAIRS IS A 5' x 5' PANEL.
6. MINIMUM DEPTH FOR TUNNELING BELOW SIDEWALK IS 12".
7. MAX ADJACENT GROUND SLOPE WITHOUT RAILING IS 2:1
8. MIN. GRADE FOR PROPER DRAINAGE IS 1% IN AT LEAST 1 DIRECTION. MAX. CROSS SLOPE IS 2%. MAX. LONGITUDINAL SLOPE IS 8.3%, 10% IF LIMITED BY EXISTING CONDITIONS, OR NO GREATER THAN THE SLOPE OF THE EXISTING ADJACENT ROAD.



DRIVEWAY DETAIL

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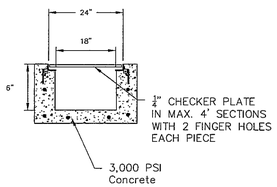
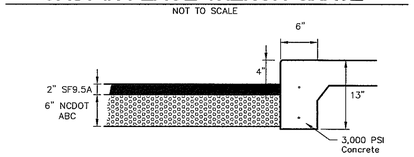


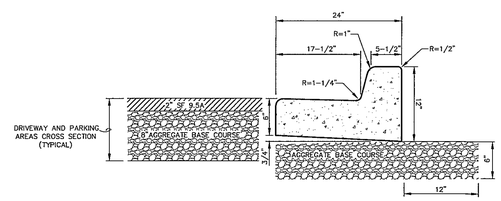
CAST IN PLACE TRENCH GRATE

NOT TO SCALE



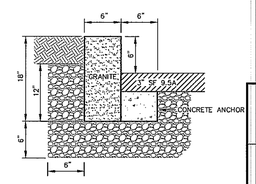
SIDEWALK TO PAVING DETAIL

NOT TO SCALE



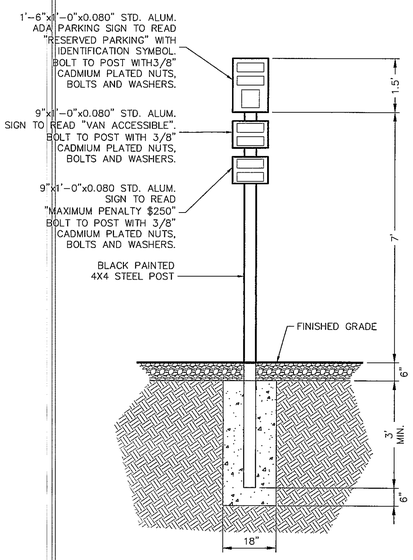
CONCRETE CURB AND GUTTER (SD 3-11)

NOT TO SCALE



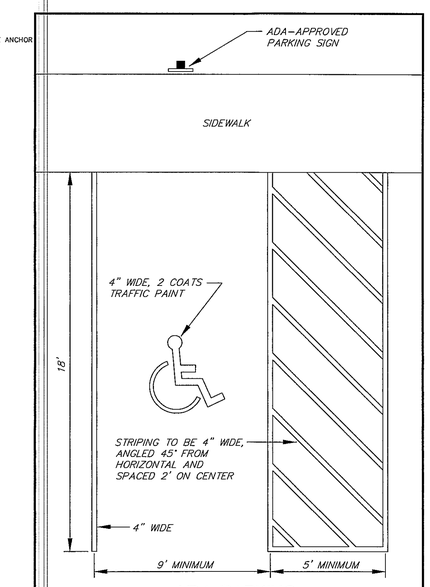
GRANITE CURB (SD 3-11)

NOT TO SCALE



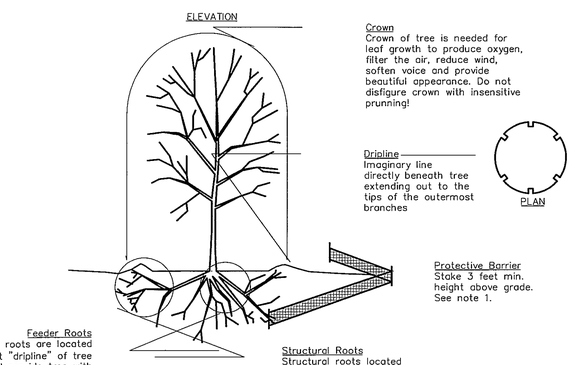
ADA PARKING SIGN DETAIL

NOT TO SCALE



ADA PARKING LAYOUT AND MARKING DETAIL

NOT TO SCALE



TREE PROTECTION DURING CONSTRUCTION

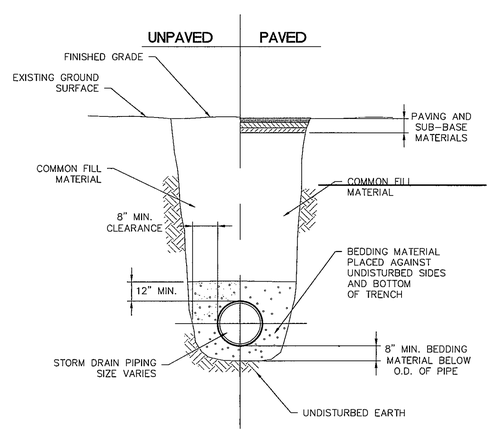
1. CLEARLY MARK THE TREE TO BE SAVED PRIOR TO CONSTRUCTION AND ERECT A PROTECTIVE BARRIER AT THE DRIPLINE. DO NOT COMPACT SOILS BENEATH TREES. NO VEHICLE SHALL BE ALLOWED TO PARK UNDER TREES. NO HEAVY MATERIALS SHALL BE STORED BENEATH TREES. RESULTS OF COMPACTION CAUSE WATER AND AIR NOT TO REACH THE ROOTS AND THE TREE WILL DIE. THESE "FEEDING ROOTS" OCCUR WELL AWAY FROM THE BASE OF THE TREE TO THE EDGE OF THE OVERHEAD BRANCH CANOPY. DAMAGING THE BARK WITH LAWNMOWERS, CONSTRUCTION EQUIPMENT, OR ANYTHING ELSE IS PROHIBITED. THE PROTECTIVE BARRIER SHOULD PREVENT DAMAGE FROM OCCURRING DURING CONSTRUCTION.

2. NO CUTTING OF LARGE STRUCTURAL ROOTS LOCATED NEAR THE BASE OF THE TRUNK. REMOVAL OF THESE ROOTS ALONG ONE SIDE IS OFTEN DONE BECAUSE OF A WALK, PAVING OR BUILDING WHICH IS BEING CONSTRUCTED THESE ARE ESSENTIAL IN SUPPORTING THE TREE AND HOLDING IT UPRIGHT IN HIGH WINDS.

3. AVOID CUT AND FILL WITHIN DIAMETER OF TREE CROWN DURING EXCAVATION.

TREE PROTECTION DETAIL

NOT TO SCALE



STORM DRAINAGE PIPING TRENCH DETAIL

NOT TO SCALE

Approved Construction Plan

	Name	Date
Planning		
Traffic		
Fire		

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

BECKER MORGAN GROUP
ARCHITECTURE PLANNING
Wilmington, NC
3205 Randall Parkway, Suite 211
Wilmington, NC 28403
910.341.7600
Salisbury, MD
312 West Main St. Suite 300
Salisbury, MD 21801
410.546.9100
Dover, DE
309 S Governors Ave
Dover, DE 19904
302.734.7950
www.beckermorgan.com

NORTH CAROLINA PROFESSIONAL SEAL PE 023917 ENGINEER W. SHANE LIPPARD

RIGHT ANGLE ENGINEERING, P.C.
212 PRINCESS STREET
WILMINGTON, NC 28401
(910) 251-8544 FAX (910) 251-2208

PROJECT TITLE

ST. MARY PARISH TILESTON CAMPUS ACCESSIBILITY PROJECT

412 ANN STREET
WILMINGTON, NC 28401

SHEET TITLE

SITE DETAILS

ISSUE BLOCK

MARK	DATE	DESCRIPTION

PROJECT NO:	2013129.00
DATE:	6/5/2014
SCALE:	
DRAWN BY:	PROJ MGR: LML

D1

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