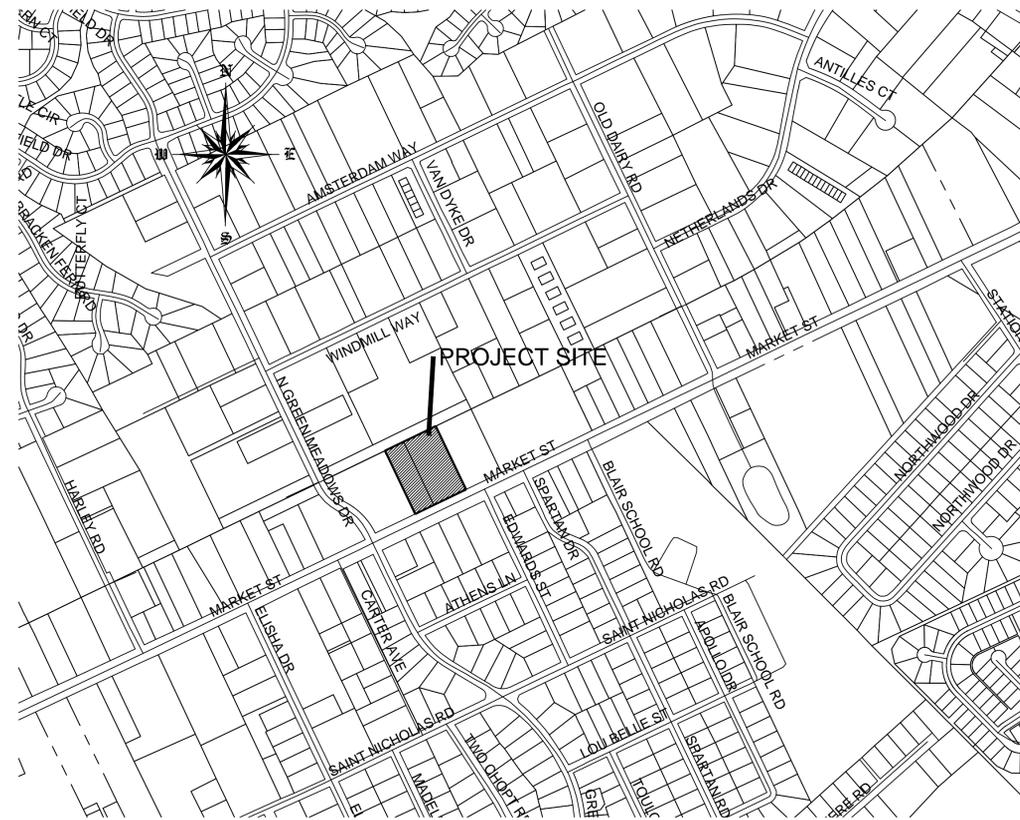


NOTES

1. PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING (IF REQUIRED) WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES AND NO CONSTRUCTION WORKERS, TOOLS, MATERIALS, OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION.
2. ANY TREES AND/OR AREAS DESIGNATED TO BE PROTECTED MUST BE PROPERLY BARRICADED WITH FENCING AND PROTECTED THROUGHOUT CONSTRUCTION TO INSURE THAT NO CLEARING, GRADING OR STAGING OF MATERIALS OCCUR IN THOSE AREAS.
3. NO EQUIPMENT IS ALLOWED ON SITE UNTIL ALL TREE PROTECTION FENCING AND SILT FENCING IS INSTALLED AND APPROVED. PROTECTIVE FENCING IS TO BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT, AND CONTRACTORS SHALL RECEIVE ADEQUATE INSTRUCTION ON TREE PROTECTION METHODS.
4. ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS OF WAY AND FOR DRIVEWAY ARE TO BE THERMO PLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.
5. ONCE STREETS ARE OPEN TO TRAFFIC, CONTACT TRAFFIC ENGINEERING REGARDING THE INSTALLATION OF TRAFFIC AND STREET NAME SIGNS. PROPOSED STREET NAMES MUST BE APPROVED PRIOR TO INSTALLATION OF STREET SIGN NAMES.
6. TRAFFIC CONTROL DEVICES (INCLUDING SIGNS AND PAVEMENT MARKINGS) IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD STANDARDS AND BE MAINTAINED BY THE OWNER.
7. CONTACT TRAFFIC ENGINEERING AT 910-341-7888 TO ENSURE THAT ALL TRAFFIC SIGNAL FACILITIES AND EQUIPMENT ARE SHOWN ON THE PLAN.
8. TRAFFIC ENGINEERING TO BE NOTIFIED AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT OF WAY.
9. TRAFFIC ENGINEERING MUST APPROVE OF PAVEMENT MARKING PRIOR TO ACTUAL STRIPING.
10. ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN PARKING AREAS SHALL BE WHITE. ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS OF WAY FOR DRIVEWAY ARE TO BE THERMO PLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.
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. TACTILE WARNING MATS WILL BE INSTALLED ON ALL WHEEL CHAIR RAMPS.
14. A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET.
15. ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS AND CURBING WILL BE REPLACED.
16. CONTACT TRAFFIC ENGINEERING AT 341-7888 TO DISCUSS STREET LIGHTING OPTIONS.
17. WATER AND SEWER SERVICE SHALL MEET CAPE FEAR PUBLIC UTILITY AUTHORITY DETAILS AND SPECIFICATIONS.
18. PROJECT SHALL COMPLY WITH CFPWA CROSS CONNECTION CONTROL REQUIREMENTS. WATER METERS CANNOT BE RELEASED UNTIL ALL REQUIREMENTS ARE MET AND THE STATE HAS GIVEN THEIR FINAL APPROVAL.
19. IF THE CONTRACTOR DESIRES CFPWA WATER FOR CONSTRUCTION HE SHALL APPLY IN ADVANCE FOR THIS SERVICE AND MUST SUPPLY A RP2 BACKFLOW PREVENTION DEVICE ON THE DEVELOPER'S SIDE OF THE WATER METER BOX.
20. ANY IRRIGATION SYSTEM SUPPLIED BY CFPWA SHALL COMPLY WITH THE CFPWA CROSS CONNECTION REGULATIONS.
21. ANY IRRIGATION SYSTEM SHALL BE EQUIPPED WITH A RAIN AND FREEZE SENSOR.
22. ANY BACKFLOW PREVENTION DEVICES REQUIRED BY THE CFPWA WILL NEED TO BE ON THE LIST OF APPROVED DEVICES BY USFCOCHR.
23. CONTRACTOR TO FILED VERIFY EXISTING WATER AND SEWER LOCATIONS, SIZES AND MATERIALS PRIOR TO CONSTRUCTION. ENGINEER TO BE NOTIFIED OF CONFLICTS.
24. AN ALL WEATHER DRIVING SURFACE FOR EMERGENCY VEHICLES MUST BE MAINTAINED DURING CONSTRUCTION.
25. UNDERGROUND FIRE LINE(S) MUST BE PERMITTED AND INSPECTED BY THE WILMINGTON FIRE DEPARTMENT FROM THE PUBLIC ROW TO THE BUILDING. CONTACT THE WILMINGTON FIRE DEPARTMENT/DIVISION OF FIRE AND LIFE SAFETY AT 910-341-0696.
26. NO OBSTRUCTIONS ARE PERMITTED IN THE SPACE BETWEEN THIRTY (30) INCHES AND TEN (TEN) FEET ABOVE THE GROUND WITHIN THE TRIANGLE SIGHT DISTANCE.
27. CONTRACTOR IS TO NOTIFY (AT A MINIMUM) THE FOLLOWING COMPANIES FOR LOCATION SERVICES:
 ULOCO1-800-632-4949, 48 HOURS IN ADVANCE
 BELL SOUTH.....1-800-392-8712 (STEVE DAYVAULT)
 CAROLINA ONE CALL CENTER 1-800-632-4949
28. THERE SHALL BE NO ENCUMBRANCES WITHIN THE NCDOT RIGHT OF WAY.
29. 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 (SD 15-14 CoW TECH STDS)
30. FIRE HYDRANTS CANNOT BE FURTHER THAN 8' FROM THE CURB.
31. PARKING AND LANDSCAPING CANNOT BLOCK FIRE HYDRANTS OF FDC'S
32. FDC'S CAN BE NO FURTHER THAN 40' FROM FIRE DEPARTMENT VEHICLE PLACEMENT
33. FDC'S CAN BE NO FURTHER THAN 150' FROM A FIRE HYDRANT
34. BICYCLE PARKING IS PROVIDED ON THE SOUTHWEST CORNER OF PROPOSED BUILDING

CONSTRUCTION PLANS FOR FIAT OF WILMINGTON AUTO LOT 6421 MARKET STREET



**VICINITY MAP
NOVEMBER, 2012
JULY, 2016**

LIST OF DRAWINGS

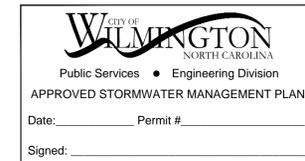
XX	COVER SHEET
C1	EXISTING SITE
C2	SITE PLAN
C3	GRADING
C4	UTILITIES OMMITTED
C5	INFILTRATION SYSTEM
C6	DETAILS
C7	ALUMINUM PIPE SUBSTITUTE
L1	LANDSCAPE PLAN

NUMBER	DATE	REVISION
R1	7-26-16	RESUBMITTED TO TRC WITHOUT BUILDING

OWNER/DEVELOPER
GILLILAN PROPERTIES, LLC
 MR. JOHN GILLILAN
 219 COLLEGE ROAD
 WILMINGTON, NC 28406
 1-910-799-1815

CIVIL ENGINEER
JBS CONSULTING, PA
 BRAD SEDGWICK, PE
 7332 COTESWORTH DRIVE
 WILMINGTON, NC 28405
 1-910-619-9990

SURVEYOR
GEOINNOVATION, PC
 MR. DEAN EXLINE, PLS
 311 JUDGES ROAD
 SUITE 3D
 WILMINGTON, NC 28405
 1-910-367-2110

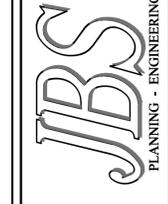


Approved Construction Plan	
Name	Date
Planning	_____
Traffic	_____
Fire	_____
CFPUA	_____



DESIGN BY: BDS
 DRAWN BY: BDS
 CHECKED BY: BDS
 DATE: JULY, 2016

JBS CONSULTING, PA
 7332 Cotesworth Drive
 Wilmington, NC 28045
 (910) 619-9990
 LICENSE NUMBER C-2525
 PLANNING - ENGINEERING - PROJECT MANAGEMENT

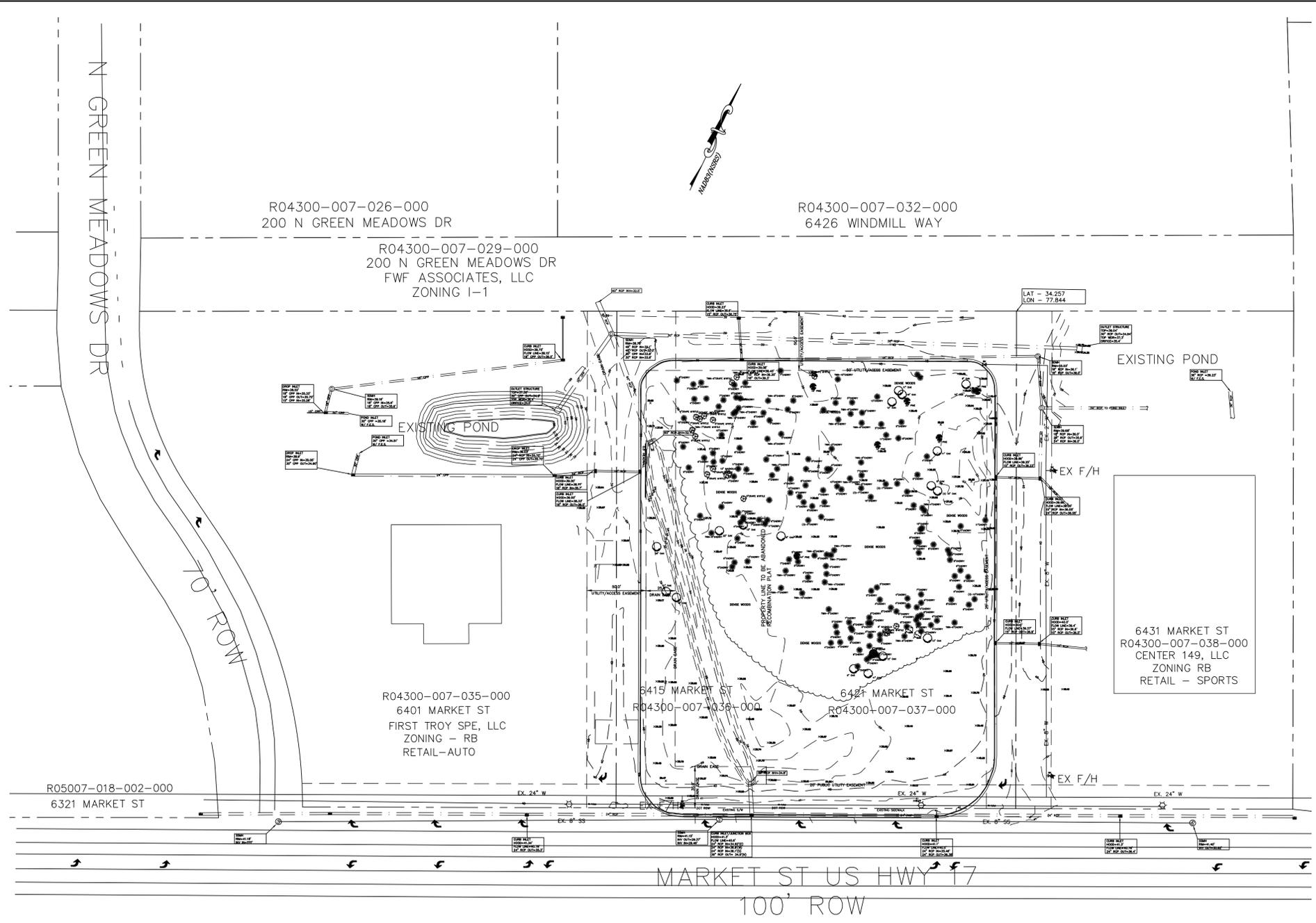
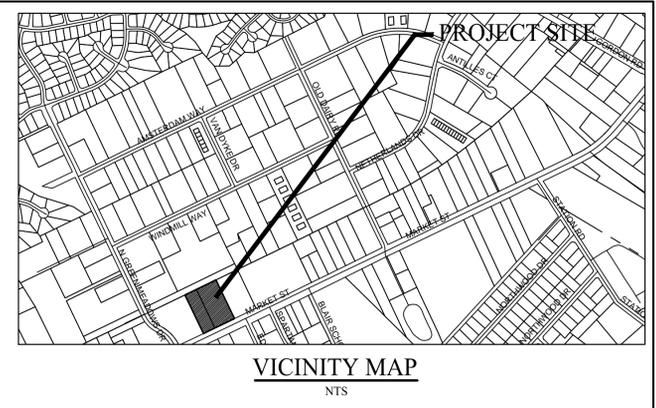


EXISTING SITE
 FIAT OF WILMINGTON
 6421 MARKET STREET
 WILMINGTON, NORTH CAROLINA

GILLILAN PROPERTIES, LLC
 JOHN S. GILLILAN, AGENT
 219 COLLEGE ROAD
 WILMINGTON, NC 28406

7/26/2016 12:38:39 PM

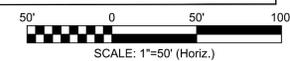
SHEET
 C1
 of 6
 JOB NO. 032-011



NO.	DATE	REVISION

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

Approved Construction Plan	
Name	Date
Planning	_____
Traffic	_____
Fire	_____
CFPUA	_____



NO WETLAND WITHIN PROJECT AREA

EXISTING SITE
 SCALE 1" = 50'

STOP
 BEFORE YOU DIG
 CALL 1 800 632-4849
 N.C. ONE-CALL CENTER
 IT'S THE LAW

LEGEND

- EXIST. SPOT ELEVATION: \times (with elevation value)
- PRO. SPOT ELEVATION: \times (with elevation value)
- SILT FENCE: \square (with elevation value)
- DRAINAGE RUNOFF FLOW: \rightarrow (with arrow)
- LIMITS OF CONSTRUCTION: \square (with elevation value)
- ASPHALT: \blacksquare
- CONC. PAVEMENT: \square (with stippled pattern)
- GRAVEL: \square (with circular pattern)
- EDGE OF WOODS: *EOWDS*
- TOP OF BANK: *TOB*
- EDGE OF WATER: *EOW*
- EDGE OF GRAVEL: *EOG*

SITE DATA

ADDRESS 6421 MARKET STREET
 WILMINGTON, NC 28403
 PARCEL ID NUMBERS R04300-007-037-000
 DEED BOOK & PAGE D.B. 5527 PG. 1251
 MAP BOOK & PAGE MB 43 PG. 227
 MB 47 PG. 241
 ZONING RB-REGIONAL BUSINESS
 CITY OF WILMINGTON
 TOTAL LOT AREA 1.20 ACRES (6415)
 2.06 ACRES (6421)
 3.26 ACRES

CAMA LAND USE CLASSIFICATION .. URBAN
 PROPOSED USE CAR DEALERSHIP/PARKING LOT
 NUMBER OF BUILDINGS 1-PROPOSED 0 PROPOSED
 BUILDING SQUARE FOOTAGE 10,947-SF 0 SF
 BUILDING COVERAGE 10,947-SF 0 SF / (3.26 AC X 43560) = 0%
 PAVEMENT/BUA CALCULATIONS FOR THE STORMWATER PERMIT

PROJECT DRAINAGE BASINS

BMP #1	BMP #2	BMP #3	TOTAL	
TOTAL DRAINAGE AREA (SF)	181,139	144,582	53,918	379,639
TOTAL IMPERVIOUS BUILDINGS	19,343	23,097	0	42,440
IMPERVIOUS PAVEMENT	103,573	69,864	16,373	189,810
PERVIOUS PAVEMENT**	0	0	4,674	4,674
IMPERVIOUS S/W	3,024	0	1,674	4,698
FUTURE DEVELOPMENT	2,088	973	0	3,061
TOTALS	128,028	93,934	22,721	258,704

** 18,695 SF OF PERVIOUS CONCRETE W/ 75% CREDIT = 4,674 SF
 EXISTING ON SITE 179,103 SF (TO REMAIN)

PROPOSED

ASPHALT	44,129-SF	57,845 SF
BUILDING	10,947-SF	
CONCRETE	2,893-SF	
PERMEABLE CONCRETE	18,695-SF	18,695 SF
TOTAL PROPOSED	76,540 SF	76,540 SF

	REQUIRED	PROPOSED
MIN. LOT AREA	1 ACRE	3.26 ACRES
MIN. LOT WIDTH	100'	339.01'
MAX. LOT COVERAGE	40%	7.9%
FRONT BUILDING SETBACK	50'	143.1'
REAR BUILDING SETBACK	15'	179.8'
SIDE BUILDING SETBACK	0'	
RIGHT SIDE		111.9'
LEFT SIDE		110.4'
MAX. BUILDING HEIGHT	35'	18.0'

PARKING REQUIREMENTS

	REQUIRED
NUMBER OF SPACES	1 PER 300 MIN (37 SPACES) 1 PER 200 MAX (55 SPACES)

PROPOSED EMPLOYEE/CUSTOMER PARKING - 37 SPACES
 (PROVIDE AT REAR OF BUILDING)
 PROPOSED INVENTORY SPACES - 74 SPACES
 HANDICAP SPACES W/ VAN ACCESS - 3 SPACES
 TOTAL PROVIDED 147 SPACES
 + 3 H/C

BICYCLE PARKING
 LESS THAN 125 SPACES 5 BICYCLE SPOTS REQUIRED - 5 PROVIDED

SOLID WASTE - SOLID WASTE DISPOSAL WILL BE BY DUMPSTER. DUMPSTER PAD IS LOCATED IN THE REAR RIGHT HAND SIDE OF THE PARKING LOT. THE DUMPSTER PAD WILL BE SCREENED WITH A CHAIN LINK FENCE WITH BUILDER SLIDES ON ALL SIDES.

UTILITY INFORMATION
 WATER - 000-GPD (CURRENT USE)
 WATER - 1600-GPD (PROPOSED USE) + IRRIGATION (SEPARATE TAP)
 SEWER - 000-GPD (CURRENT USE)
 SEWER - 1375-GPD (PROPOSED USE)

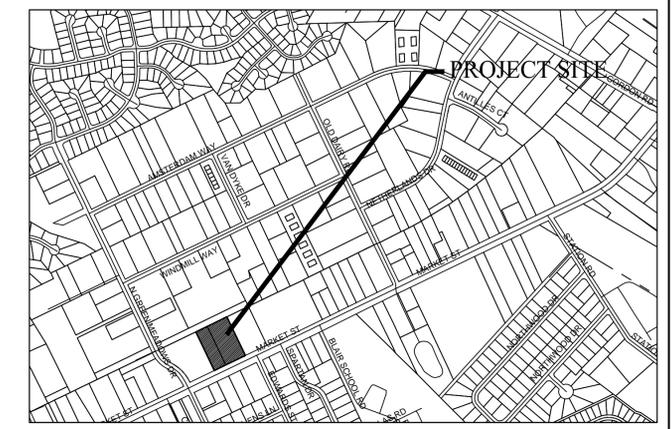
ALL PROPOSED UTILITIES TO BE UNDERGROUND TO SERVE THIS SITE
 RECEIVING STREAM SMITH CREEK
 RIVER BASIN CAPE FEAR
 STREAM INDEX NUMBER CPF 17.18-74-63
 WATER CLASSIFICATION "C, SW"

LANDSCAPE REQUIREMENTS
 STREET YARD BUFFER
 ZONING RB (MULTIPLIER = 25)
 297' FRONTAGE * 25 = 7425 SF REQUIRED (7528 SF PROVIDED)
 7528/25 = 12.5
 13 CANOPY OR 38 UNDERSTORY TREES AND 75 - 12' SHRUBS

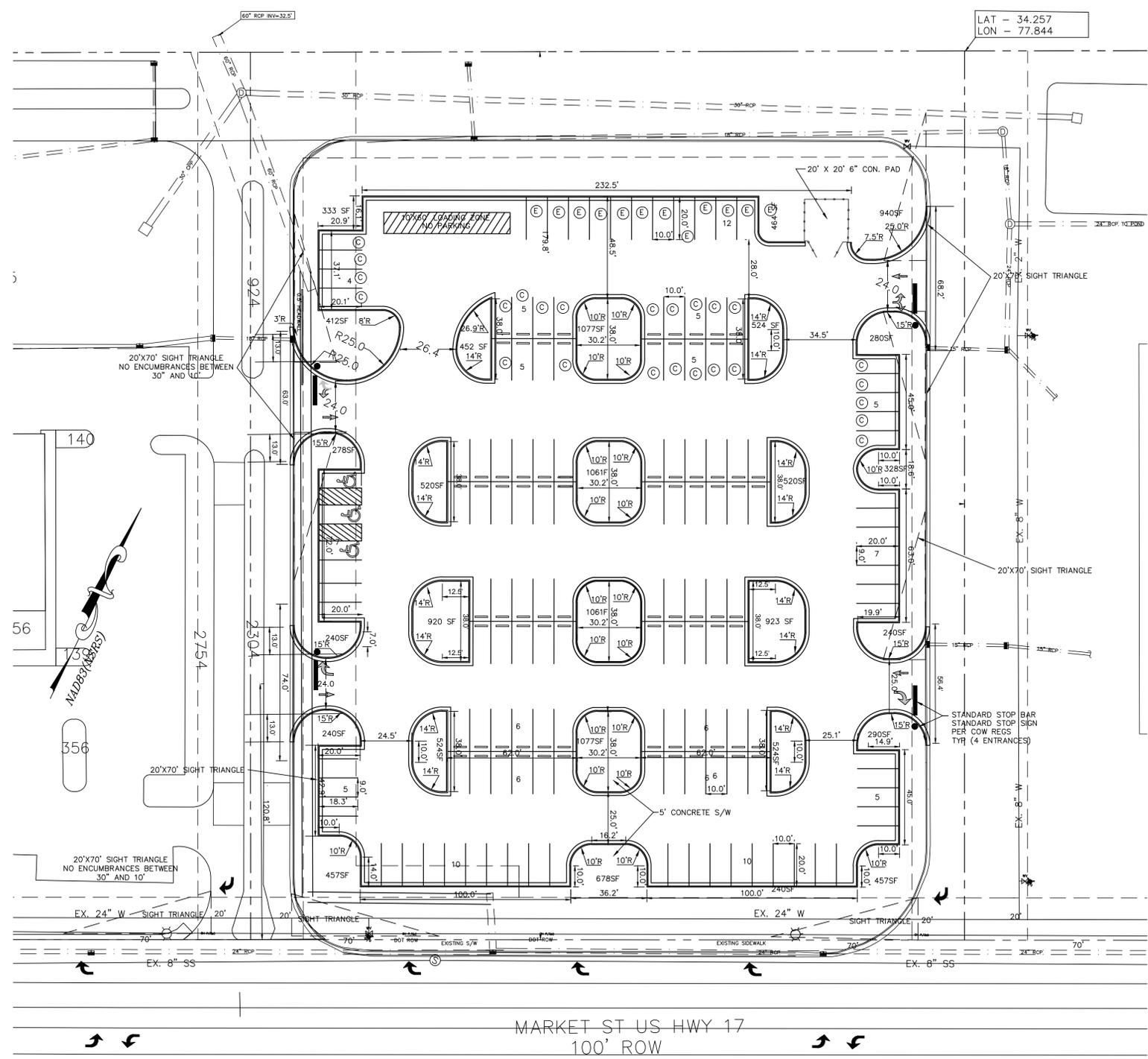
PARKING LOT LANDSCAPING
 ALL INTERIOR ISLANDS GREATER THAN 216 SF
 1 - SHADE TREE PER SMALL ISLAND (4 ISLANDS TOTAL)
 2 - SHADE TREES PER LARGE ISLAND 92 ISLANDS TOTAL

PERIMETER LANDSCAPING
 923' - 96' (DRIVEWAY) = 827'
 10' MIN WIDTH (12 AVERAGE PROVIDED)
 1 - TREE PER 18' (MAX) OR 27' (MIN)
 46 - TREES (MAX)
 31 - TREES (MIN)

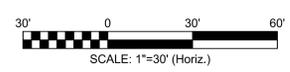
FOUNDATION PLANTINGS
 FRONT (18'-EAVE HEIGHT) X 115' = 2070-SF X 12% = 250-SF MIN REQUIRED
 330-SF PROVIDED
 EAST-SIDE (18'-EAVE HEIGHT) X 92' = 1656-SF X 12% = 200-SF MIN REQUIRED
 3003-SF PROVIDED
 WEST-SIDE (18'-EAVE HEIGHT) X 96' = 1728-SF X 12% = 207-SF MIN REQUIRED
 1388-SF PROVIDED
 BUFFER YARD
 NOT REQUIRED ON THIS PARCEL



VICINITY MAP
 NTS



SITE PLAN
 SCALE 1" = 30'



City of Wilmington logo and text: 'WILMINGTON NORTH CAROLINA Public Services • Engineering Division APPROVED STORMWATER MANAGEMENT PLAN Date: Permit # Signed:'

Approved Construction Plan
 Name _____ Date _____
 Planning _____
 Traffic _____
 Fire _____
 CFPWA _____

LEGEND

EXIST. SPOT ELEVATION	
PRO. SPOT ELEVATION	
SILT FENCE	
DRAINAGE RUNOFF FLOW	
LIMITS OF CONSTRUCTION	
ASPHALT	
CONC. PAVEMENT	
GRAVEL	
EDGE OF WOODS	EWDS
TOP OF BANK	TOB
EDGE OF WATER	EOW
EDGE OF GRAVEL	EOG

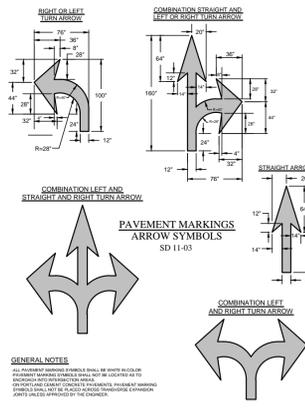
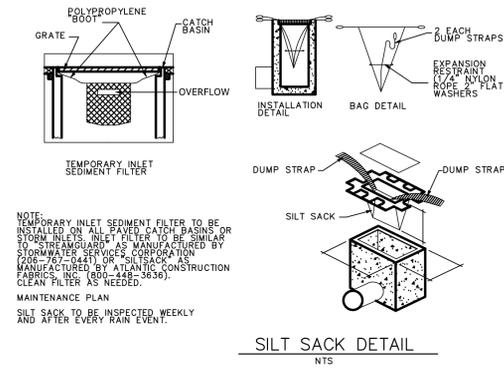
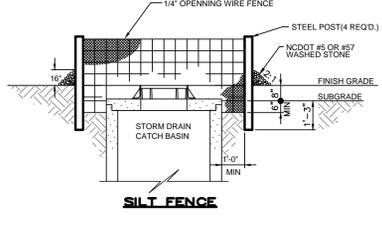
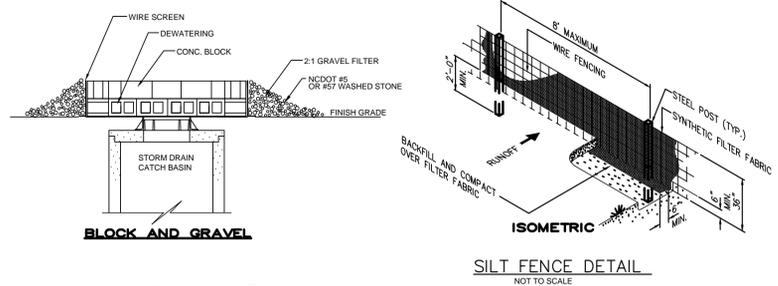
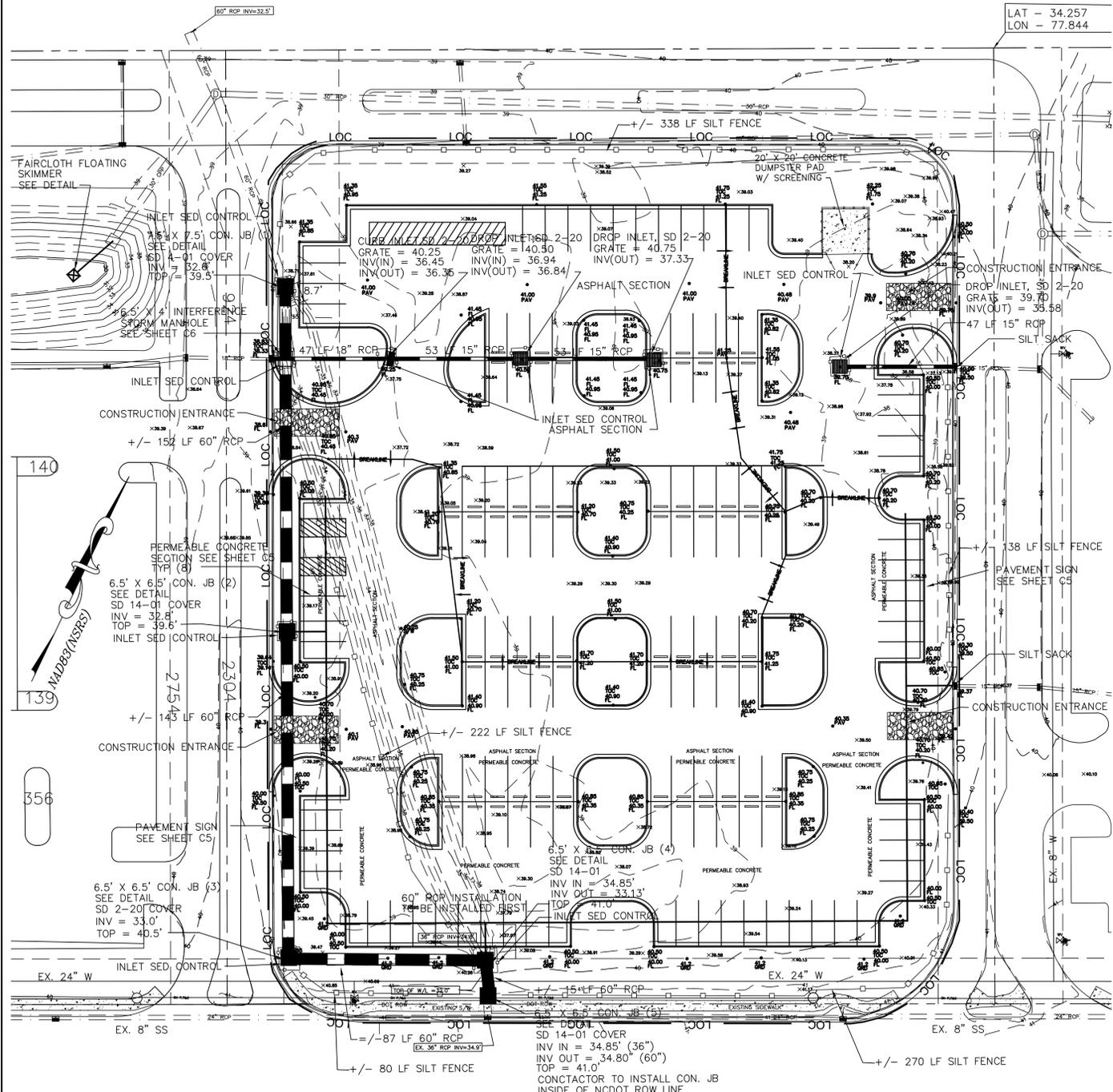
DESIGN BY: BDS
 DRAWN BY: BDS
 CHECKED BY: BDS
 DATE: JULY, 2016

JBS CONSULTING, PA
 7332 Cotesworth Drive
 Wilmington, NC 28045
 (910) 619-9990
 LICENSE NUMBER C-2525
 PLANNING - ENGINEERING - PROJECT MANAGEMENT



SITE PLAN
 FIAT OF WILMINGTON
 6421 MARKET STREET
 WILMINGTON, NORTH CAROLINA

GILLILAN PROPERTIES, LLC
 JOHN S. GILLILAN, AGENT
 219 COLLEGE ROAD
 WILMINGTON, NC 28406
 SHEET C2 of 6
 JOB NO. 032-011



LABEL	1) GROUND STABILIZATION	STABILIZATION TIME FRAME	STABILIZATION TIME FRAME EXCEPTIONS
[Symbol]	SITE AREA DESCRIPTION	7 DAYS	NONE
	-PERIMETER DIKES, DITCHES AND SLOPES	7 DAYS	NONE
	-HIGH QUALITY WATER (HOW) ZONES	7 DAYS	NONE
[Symbol]	SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1 14 DAYS ARE ALLOWED
	SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50 FEET IN LENGTH
[Symbol]	-ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE (EXCEPT FOR PERIMETERS AND HOW ZONES)

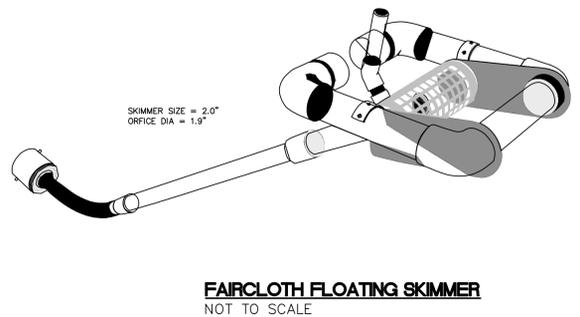
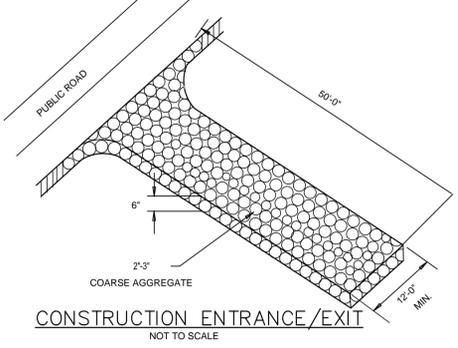
EROSION CONTROL MAINTENANCE PLAN

- ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF - PRODUCING RAINFALL BUT IN NO CASE LESS THAN ONCE EVERY WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED.
- SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT BECOMES ABOUT 0.5 FEET DEEP AT THE FENCE. THE SEDIMENT FENCE WILL BE REPAIRED OR REPLACED AS NECESSARY TO MAINTAIN A BARRIER.
- ALL AREAS WILL BE FERTILIZED, RESEED AS NECESSARY, AND MULCHED ACCORDING TO SPECIFICATIONS IN THE VEGETATION PLAN TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER.
- GRAVEL CONSTRUCTION ENTRANCE TO BE CLEANED WHEN SEDIMENT ACCUMULATIONS ARE VISIBLE OR SEDIMENT IS DEPOSITED ON THE ASPHALT AND STONE WILL BE PERIODICALLY TOP DRESSED WITH 2 INCHES OF #4 STONE TO MAINTAIN 6 INCH DEPTH.
- INSPECT SWALES (PERMANENT DIVERSIONS) AFTER EVERY RAINFALL DURING THE CONSTRUCTION OPERATION. IMMEDIATELY REMOVE ANY OBSTRUCTIONS FROM THE FLOW AREA AND REPAIR THE SWALE. CHECK OUTLETS AND MAKE TIMELY REPAIRS AS NEEDED. MAINTAIN THE VEGETATION IN A VIGOROUS, HEALTHY CONDITION AT ALL TIMES.
- INSPECT SKIMMER SEDIMENT BASINS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2" OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY. REMOVE SEDIMENT AND RESTORE THE BASIN TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT ACCUMULATES TO ONE-HALF THE HEIGHT OF THE FIRST BAFFLE. PULL THE SKIMMER TO ONE SIDE SO THAT THE SEDIMENT UNDERNEATH IT CAN BE EXCAVATED. EXCAVATE FROM THE ENTIRE BASIN, NOT JUST AROUND THE SKIMMER OR THE FIRST CELL. MAKE SURE VEGETATION GROWING IN THE BOTTOM OF THE BASIN DOES NOT HOLD DOWN THE SKIMMER. REPAIR THE BAFFLES IF THEY ARE DAMAGED. RE-ANCHOR THE BAFFLES IF WATER IS FLOWING UNDERNEATH OR AROUND THEM. IF THE SKIMMER IS CLOGGED WITH TRASH AND THERE IS WATER IN THE BASIN, USUALLY JERKING ON THE ROPE WILL MAKE THE SKIMMER BOB UP AND DOWN AND DISLODGE THE DEBRIS AND RESTORE FLOW. IF THIS DOES NOT WORK, PULL THE SKIMMER OVER TO THE SIDE OF THE BASIN AND REMOVE THE DEBRIS. ALSO CHECK THE ORIFICE INSIDE THE SKIMMER TO SEE IF IT IS CLOGGED; IF SO REMOVE DEBRIS.
- IF THE SKIMMER ARM OR BARREL PIPE IS CLOGGED, THE ORIFICE CAN BE REMOVED AND THE OBSTRUCTION CLEARED WITH A PLUMBER'S SNAKE OR BY FLUSHING WITH WATER. BE SURE TO REPLACE THE ORIFICE BEFORE REPOSITIONING THE SKIMMER.
- CHECK THE FABRIC LINED SPILLWAY FOR DAMAGE AND MAKE ANY REQUIRED REPAIRS WITH FABRIC THAT SPANS THE FULL WIDTH OF THE SPILLWAY. CHECK THE EMBANKMENT, SPILLWAYS, AND OUTLET FOR EROSION DAMAGE AND INSPECT THE EMBANKMENT FOR PIPING AND SETTLEMENT. MAKE ALL NECESSARY REPAIRS IMMEDIATELY. REMOVE ALL TRASH AND OTHER DEBRIS FROM THE SKIMMER POOL AREA.
- FREEZING WEATHER CAN RESULT IN ICE FORMING IN THE BASIN. SOME SPECIAL PRECAUTIONS SHOULD BE TAKEN IN THE WINTER TO PREVENT THE SKIMMER FROM PLUGGING WITH ICE.
- INSPECT INLETS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2" OR GREATER) RAINFALL EVENT. CLEAR THE WEIR OF ANY DEBRIS OR OTHER OBJECTS TO PROVIDE ADEQUATE FLOW FOR SUBSEQUENT RAINS. TAKE CARE NOT TO DAMAGE OR UNDERCUT THE WEIR MESH DURING SEDIMENT REMOVAL. REPLACE STONE AS NEEDED.
- POND IS TO BE USED AS A SEDIMENT BASIN DURING THE CONSTRUCTION OF THE SITE.
- ONCE THE SITE IS STABILIZED THE POND IS TO BE CLEARED OF ALL SEDIMENT AND ANY NECESSARY REPAIRS ARE TO BE MADE.



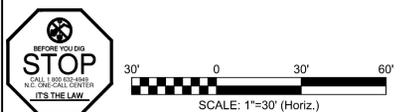
NOTE: CITY OF WILMINGTON HAS APPROVED THE USE OF AN ALUMINUM PIPE IN LIEU OF THE CONCRETE PIPE SHOWN. SEE SHEET C7 FOR DETAILS. CONCRETE MAY USE EITHER ALUMINUM OR CONCRETE PIPE IN THEIR BID.

GRADING PLAN SCALE 1" = 30'



APPROVED STORMWATER MANAGEMENT PLAN
Date: _____ Permit # _____
Signed: _____

Approved Construction Plan	
Name	Date
Planning	_____
Traffic	_____
Fire	_____
CFPUA	_____



- NPDES - SPECIFIC PLAN SHEET NOTES**
- THIS PAGE IS SUBMITTED TO COMPLY WITH NPDES GENERAL STORMWATER PERMIT N00010000.
 - THIS PAGE CAN BE APPROVED BY THE COUNTY PURSUANT TO NPDES GENERAL STORMWATER PERMIT N00010000 ONLY.
 - THIS PAGE OF THE APPROVED PLANS IS ENFORCEABLE EXCLUSIVELY PURSUANT TO NPDES GENERAL STORMWATER PERMIT N00010000.
 - THE COUNTY IS NOT AUTHORIZED TO ENFORCE THIS PAGE OF THE PLANS AND IT IS NOT PART OF THE APPROVED PLANS FOR THE PURPOSES OF ENFORCEMENT ACTION UNDER THE CITY CODE.

EROSION CONTROL NOTES

- ANY CONSTRUCTION ACTIVITY BEYOND THE 2.7 ACRE LIMITS SHOWN ON THE PLAN IS A VIOLATION OF THE COUNTY EROSION CONTROL ORDINANCE AND IS SUBJECT TO FINES.
- CONTRACTOR SHALL REMOVE ALL TREES AND VEGETATION WITHIN ROAD RIGHT OF WAYS UNLESS OTHERWISE DESIGNATED TO REMAIN.
- CONTRACTOR SHALL RAKE AND REMOVE ROOTS, STUMPS, VEGETATION, DEBRIS, EXISTING STRUCTURES ABOVE AND BELOW GRADE, ORGANIC MATERIAL OR ANY OTHER UNSUITABLE MATERIAL WITH IN THE LIMITS OF CONSTRUCTION.
- CONTRACTOR SHALL COORDINATE WITH OWNER AND THEIR GEOTECHNICAL REPRESENTATIVE TO COORDINATE REMOVAL OF ANY UNSUITABLE SOILS.
- CLEARED, CRUBBED, STRIPPED OR OTHER WASTE MATERIALS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A PROPERLY PERMITTED FACILITY.
- THE CONTRACTOR SHALL FURNISH ANY REQUIRED BORROW MATERIALS FROM A PROPERLY PERMITTED OFF-SITE FACILITY.
- ALL GRADED SLOPES MUST BE SEED AND MULCHED WITHIN 21 CALENDAR DAYS OF COMPLETION OF GRADING. STABILIZE AREAS OTHER THAN SLOPES WITHIN 15 WORKING DAYS OR 90 CALENDAR DAYS, WHICHEVER IS SHORTER.
- ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY A REPRESENTATIVE OF THE COUNTY ENGINEERING DEPARTMENT.
- SLOPES SHALL BE GRADED NO STEEPER THAN 3:1.
- ADDITIONAL DEVICES MAY BE REQUIRED AS AGREED UPON BY THE FIELD INSPECTOR, ENGINEER, AND OWNER.
- IF ACTIVE CONSTRUCTION CEASES IN ANY AREA FOR MORE THAN 15 CALENDAR DAYS, ALL DISTURBED AREAS MUST BE SEED, MULCHED, AND TACKED.

GRADING NOTES

- INITIATE EROSION CONTROL SEQUENCE BEFORE BEGINNING CLEARING AND GRADING OPERATIONS.
- CLEAR AREAS TO BE GRADED OF ALL VEGETATION. PROTECT VEGETATION BEYOND GRADING LIMITS.
- STRIP TOPSOIL TO FULL DEPTH IN AREAS TO BE GRADED AND STOCKPILE.
- COMPACT ALL FILL AREAS TO 95% OF MAXIMUM DENSITY.
- ALL BANKS AND SWALE SIDE SLOPES SHALL BE GRADED WITH NO GREATER THAN 3:1 SLOPES.
- ALL AREAS ARE TO BE GRADED SO THAT NO AREAS OF STANDING WATER OCCUR.
- PROPOSED SPOT ELEVATIONS ARE SHOWN AT FINISHED GRADE.
- OPERATOR SHALL FIELD VERIFY EXISTING TOPOGRAPHY IN RELATION TO THE PROPOSED GRADES TO ENSURE DRAINAGE IN THE DIRECTIONS INDICATED ON THE PLAN.

CONSTRUCTION SEQUENCE

- OBTAIN ALL NECESSARY PERMIT APPROVALS PRIOR TO ANY LAND DISTURBING ACTIVITY.
- HOLD A PRE-CONSTRUCTION MEETING WITH THE EROSION CONTROL INSPECTOR.
- INSTALL THE FAIRCLOTH SKIMMER ON THE "AUTO PALACE" POND. INSTALL CONSTRUCTION ENTRANCE (S) INTO SITE.
- INSTALL SILT FENCE NEXT TO DITCH.
- INSTALL 60" PIPE WITH BOXES, CONNECT TO EXISTING SYSTEM. THIS WORK SHOULD BE SCHEDULED FOR DRY WEATHER ONLY AND COMPLETED FIRST PRIOR TO CLEARING AND GRUBBING REST OF SITE.
- INSTALL 18" RCP REACH TO CONNECT TO "AUTO PALACE" POND. IMMEDIATELY INSTALL INLET PROTECTION AROUND INLETS. DO NOT INSTALL 15" RCP REACH TO "BRITT POND" UNTIL SITE IS STABILIZED.
- CLEAR AND GRUB SITE. DIRECT DRAINAGE TOWARD "AUTO PALACE" PIPING SYSTEM DURING CONSTRUCTION.
- AREAS TO BE USED FOR THE PREVIOUS PAVEMENTS ON THIS PROJECT SHALL BE ROPED OFF AND NO CONSTRUCTION ACTIVITY NOR STOCKPILE OF MATERIALS SHALL BE PERFORMED IN THESE AREAS.
- CONSTRUCT BUILDING PAD.
- STABILIZE SITE WITH STONE BASE.
- INSTALL 15" RCP PIPE REACH TOWARD "BRITT" POND AFTER BASE FORD PARKING LOT IS INSTALLED. NO STORMWATER SHALL BE DIRECTED TOWARD THE BRITT POND DURING CONSTRUCTION. ONLY AFTER THE SITE IS STABILIZED SHALL STORMWATER BE ALLOWED TO DRAIN TOWARD THE BRITT POND.
- PERVIOUS PAVEMENT SECTION TO BE INSTALLED AFTER THE REMAINDER OF THE PARKING LOT IS INSTALLED. ONCE PERVIOUS PAVEMENT HAS BEEN INSTALLED THIS AREA WILL BE ROPED OFF ONCE AGAIN AND NO CONSTRUCTION ACTIVITY TO OCCUR IN THESE AREAS. GENERAL CONTRACTOR IS TO ASSURE THAT THESE AREAS ARE KEPT FROM CONSTRUCTION AND LANDSCAPE DEBRIS.
- PROVIDE TEMPORARY PROTECTION MEASURES AND DEVICES AS REQUIRED UNTIL UNDERGROUND UTILITIES AND PAVEMENT SYSTEM IS COMPLETE AND FINAL GRADES ARE STABILIZED WITH TEMPORARY VEGETATIVE COVER.
- STABILIZE (FERTILIZE, SEED, AND MULCH) ALL DISTURBED AREAS AS SOON AS FINAL GRADES ARE ESTABLISHED.
- ONCE CONSTRUCTION IS COMPLETE AND ALL DISTURBED AREAS ARE STABILIZED, REMOVE TEMPORARY EROSION CONTROL MEASURES, REMOVE SEDIMENT FROM SEDIMENT BASIN.

LEGEND

EXIST. SPOT ELEVATION	[Symbol]
PRO. SPOT ELEVATION	[Symbol]
SILT FENCE	[Symbol]
DRAINAGE RUNOFF FLOW	[Symbol]
LIMITS OF CONSTRUCTION	[Symbol]
ASPHALT	[Symbol]
CONC. PAVEMENT	[Symbol]
GRAVEL	[Symbol]
EDGE OF WOODS	EOWDS
TOP OF BANK	TOB
EDGE OF WATER	EOW
EDGE OF GRAVEL	EOG

DESIGN BY: BDS
DRAWN BY: BDS
CHECKED BY: BDS
DATE: JULY, 2016

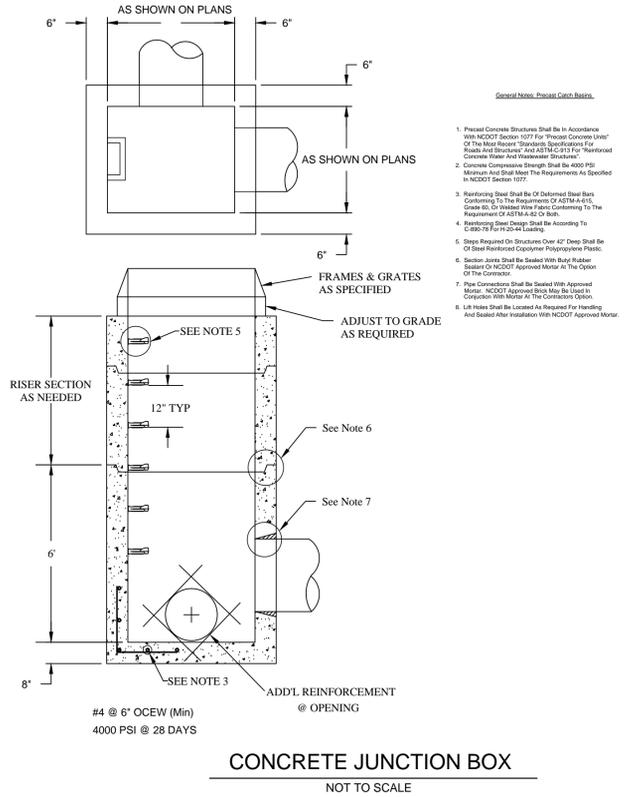
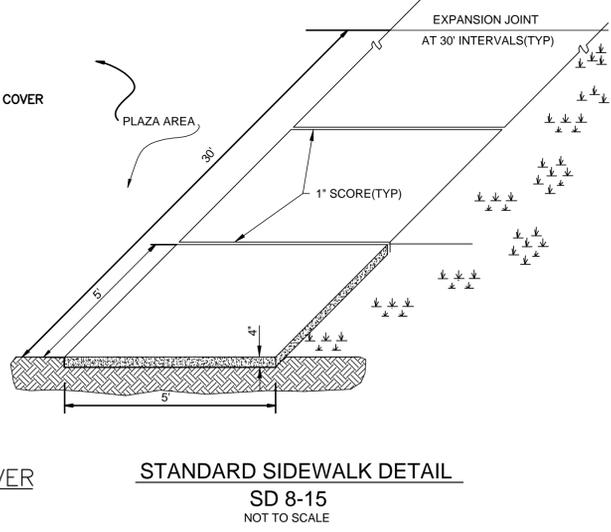
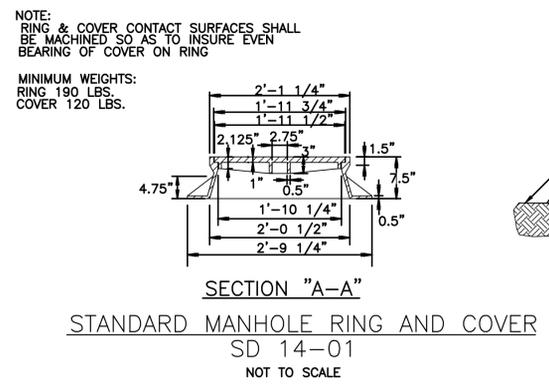
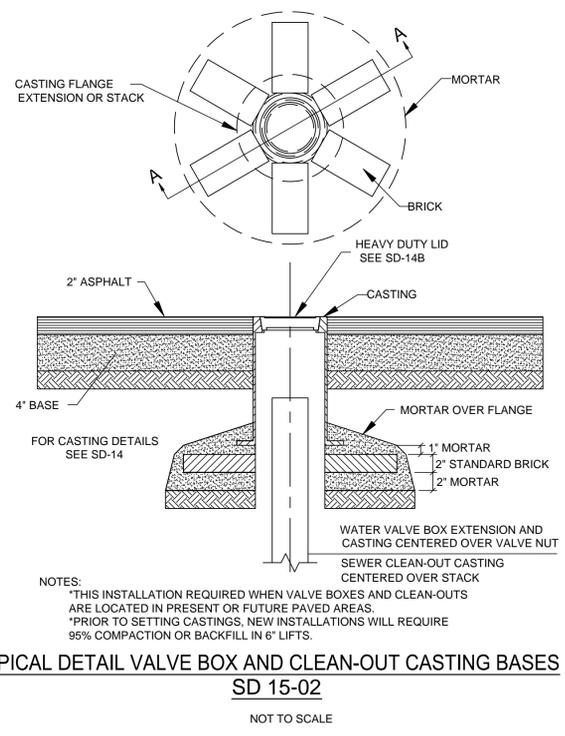
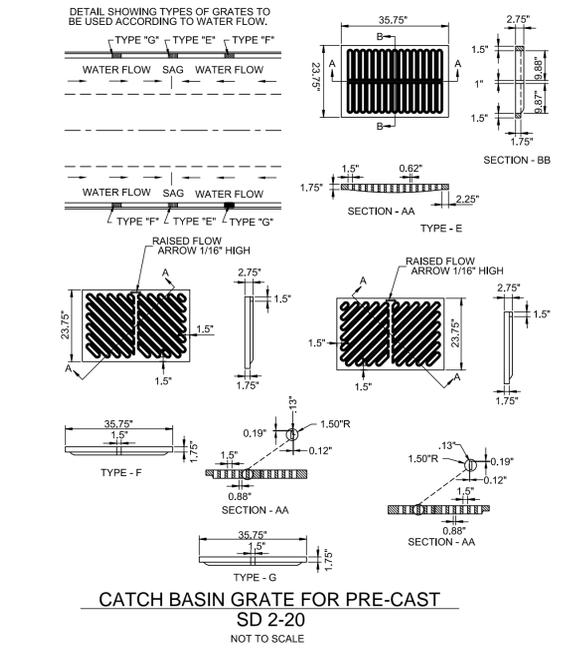
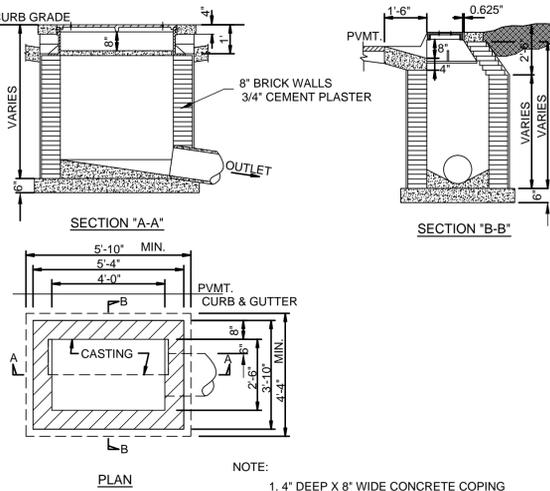
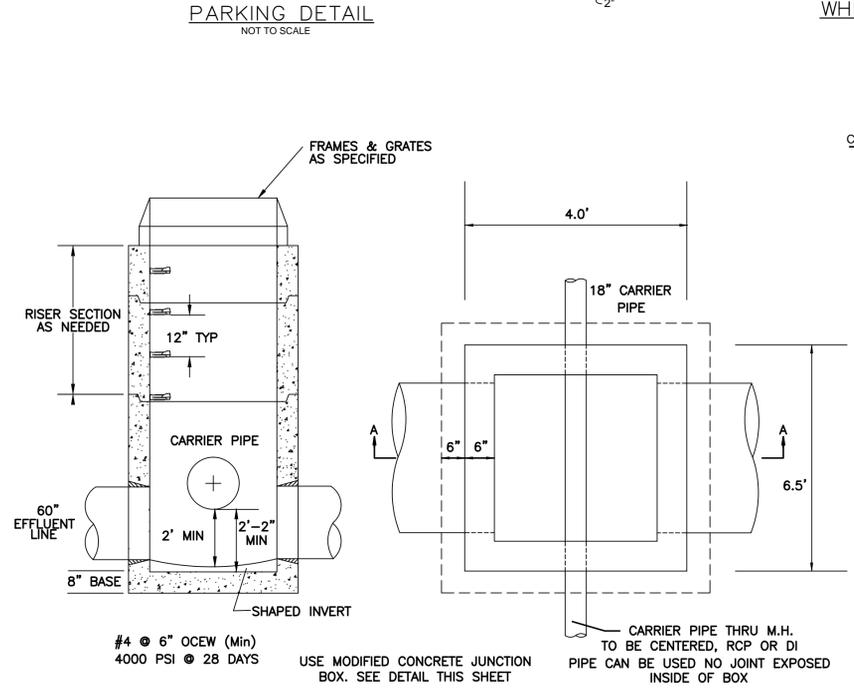
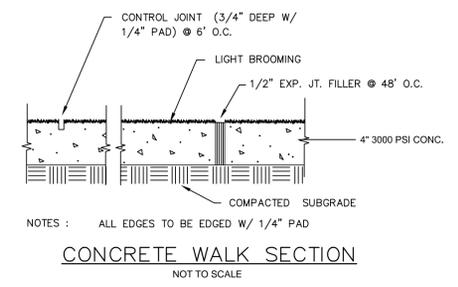
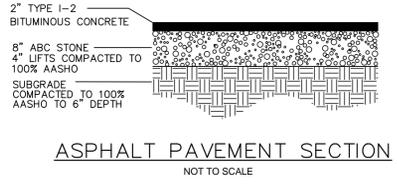
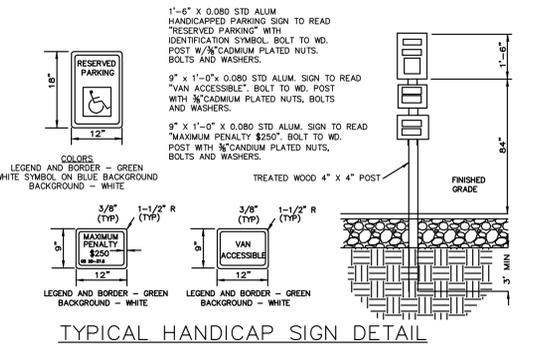
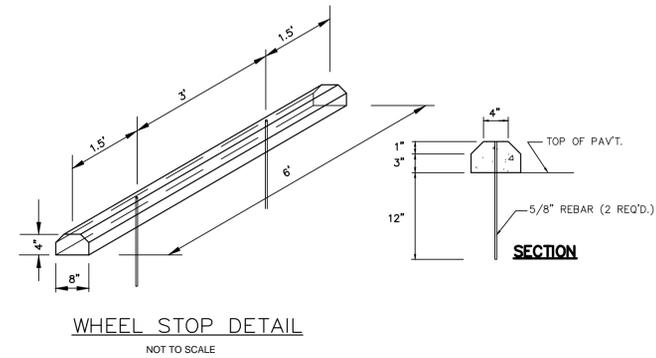
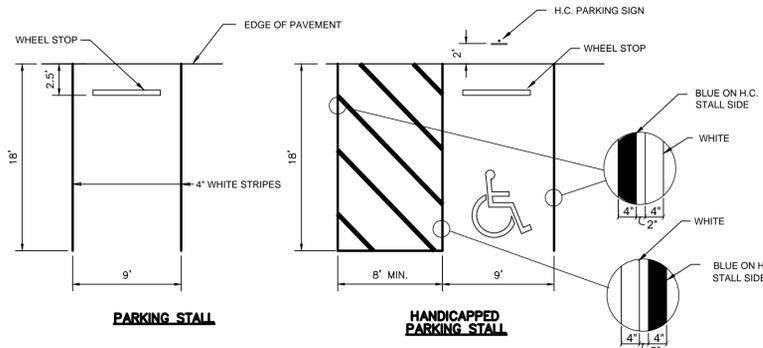
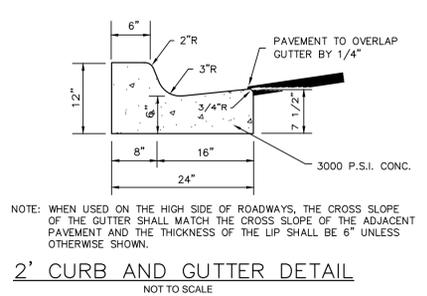
JBS CONSULTING, PA
7332 Cotesworth Drive
Wilmington, NC 28045
(910) 619-9990
LICENSE NUMBER C-2525
PLANNING - ENGINEERING - PROJECT MANAGEMENT



GRADING, DRAINAGE & EROSION CONTROL
FIAT OF WILMINGTON
6421 MARKET STREET
WILMINGTON, NORTH CAROLINA

GILLILAN PROPERTIES, LLC
JOHN S. GILLILAN, AGENT
219 COLLEGE ROAD
WILMINGTON, NC 28406

SHEET **C3** of 6
JOB NO. 032-011



REVISION	DATE	DESCRIPTION

Approved Construction Plan

Name: _____ Date: _____

Planning _____

Traffic _____

Fire _____

CFPUA _____

CITY OF WILMINGTON
NORTH CAROLINA

Public Services • Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN

Date: _____ Permit # _____

Signed: _____

DESIGN BY: BDS
DRAWN BY: BDS
CHECKED BY: BDS
DATE: JULY, 2016

CONSULTING, PA
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Wilmington, NC 28045
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DETAILS

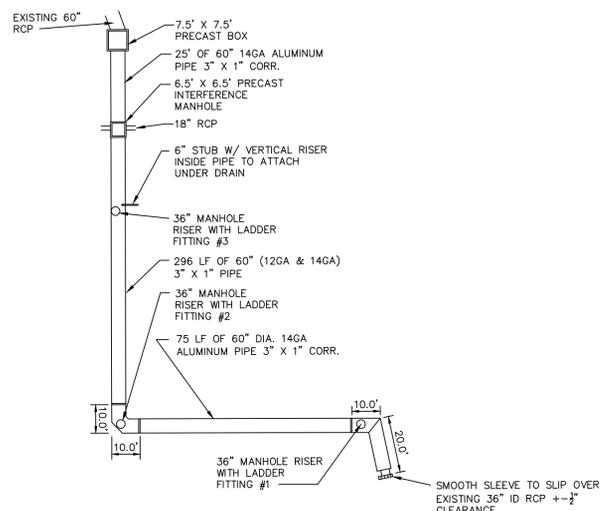
FIAT OF WILMINGTON
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SHEET

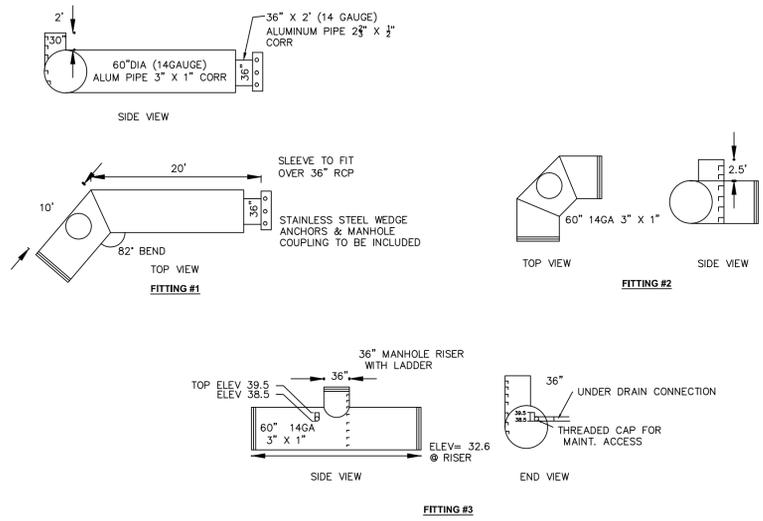
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JOB NO. 032-011

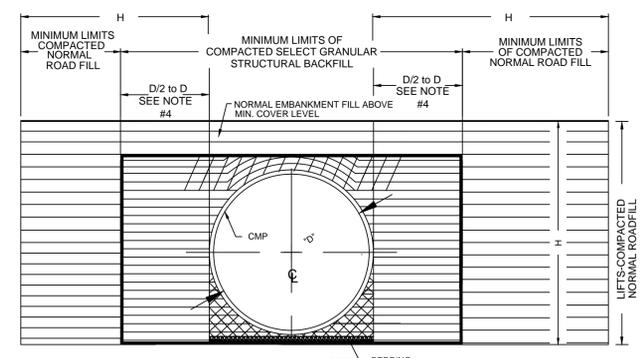


- NOTE:
- 1) PIPE UNDER DRIVEWAYS TO BE 12 GAUGE 3" X 1" ALUMINUM PIPE
 - 2) DROP INLETS TO BE 36" DIAMETER
 - 3) TRANSITION FROM RCP OUTLET TO CAAP INLET TO BE ANCHORED WITH WEDGE ANCHORS AND WRAPPED WITH MARMAC COUPLING
 - 4) THIS SHEET TO USED WITH SHEET C3 FROM THE COW APPROVED PLANS FOR THIS PROJECT.

ALUMINUM PIPE - PLAN VIEW
SCALE: 1" = 30'



ALUMINUM PIPE - FITTING DETAILS
SCALE: 1" = 10'



- SECTION**
- CRITICAL BACKFILL ZONE, PROPER COMPACTION MUST BE ACHIEVED
 - INITIAL LIFTS OVER CROWN OF STRUCTURE AS INDICATED BY SHADED AREA TO BE COMPACTED TO REQUIRED DENSITY WITH HAND OPERATED EQUIPMENT OR WITH SMALL TRACTOR (D-4 OR SMALLER) DRAWN EQUIPMENT.
 - SELECT GRANULAR STRUCTURAL BACKFILL LIMITS.

- NOTES:**
1. ALL SELECT GRANULAR BACKFILL TO BE PLACED IN A BALANCED FASHION IN THIN LIFTS (6"-8" LOOSE TYPICALLY) AND COMPACTED TO 90 PERCENT DENSITY PER AASHTO T-180.
 2. COMPLETE AND REGULAR MONITORING OF THE CSP SHAPE IS NECESSARY DURING ALL BACKFILLING OF THE STRUCTURE.
 3. PREVENT EXCESSIVE DISTORTION OF SHAPE AS NECESSARY BY VARYING COMPACTION METHODS AND EQUIPMENT.
 4. THIS WIDTH SHOULD BE EQUAL TO 1/2 DIA. TO ONE DIA. WIDTH TYPICALLY. GREATER OR LESSER DISTANCE MAY BE REQUIRED. DISTANCE DEPENDS ON BEARING LOAD FOR ANY GIVEN LOADING, STRUCTURE SHAPE AND BACKFILL MATERIAL. THIS MUST BE EVALUATED BY THE PROJECT ENGINEER FOR EACH SPECIFIC SITUATION.
 5. BEDDING ZONE SHOULD BE FREE OF DEBRIS. PLACE BEDDING MATERIAL AT MIN. THICKNESS EQUAL TO TWICE THE CORRUGATION DEPTH.
 6. EMBANKMENT WIDTH H TO BE SUCH THAT A STABLE EMBANKMENT CAPABLE OF RESISTING SIDE PRESSURES FROM CSP PIPE-ARCH SHAPE WILL BE MAINTAINED THROUGHOUT THE LIFE OF INSTALLATION. THIS WIDTH TO BE DETERMINED BY THE PROJECT ENGINEER.

CORRUGATED METAL PIPE TYPICAL BACKFILL SECTION
NTS

REQUIREMENTS FOR CORRUGATED STEEL PIPE GAUGE / THICKNESS				
CORRUGATIONS				
DIAMETER	2 2/3" X 1/2"	3" X 1"	5" X 1"	MINIMUM COVER
12 INCH	16 GAUGE (.064")	N/A	N/A	2 FEET
15 INCH	16 GAUGE (.064")	N/A	N/A	2 FEET
18 INCH	16 GAUGE (.064")	N/A	N/A	2 FEET
24 INCH	16 GAUGE (.064")	N/A	N/A	2 FEET
30 INCH	14 GAUGE (.079")	N/A	N/A	2 FEET
36 INCH	14 GAUGE (.079")	14 GAUGE (.079")	14 GAUGE (.079")	2 FEET
42 INCH	12 GAUGE (.109")	12 GAUGE (.109")	12 GAUGE (.109")	2 FEET
48 INCH	12 GAUGE (.109")	12 GAUGE (.109")	12 GAUGE (.109")	2 FEET
54 INCH	12 GAUGE (.109")	12 GAUGE (.109")	12 GAUGE (.109")	2 FEET
60 INCH	10 GAUGE (.138")	12 GAUGE (.109")	12 GAUGE (.109")	2 FEET
66 INCH	10 GAUGE (.138")	12 GAUGE (.109")	12 GAUGE (.109")	2 FEET
72 INCH	10 GAUGE (.138")	12 GAUGE (.109")	12 GAUGE (.109")	2 FEET
78 INCH	8 GAUGE (.168")	12 GAUGE (.109")	12 GAUGE (.109")	2 FEET
84 INCH	8 GAUGE (.168")	12 GAUGE (.109")	12 GAUGE (.109")	2 FEET
90 INCH	N/A	10 GAUGE (.138")	10 GAUGE (.138")	2 FEET
96 INCH	N/A	10 GAUGE (.138")	10 GAUGE (.138")	2 FEET
102 INCH	N/A	8 GAUGE (.168")	8 GAUGE (.168")	2 FEET
108 INCH	N/A	8 GAUGE (.168")	8 GAUGE (.168")	2 FEET
114 INCH	N/A	8 GAUGE (.168")	8 GAUGE (.168")	2 FEET
120 INCH	N/A	8 GAUGE (.168")	8 GAUGE (.168")	2 FEET

- NOTES:**
1. ALL CORRUGATED STEEL PIPE SHALL BE GALVANIZED AND FULLY BITUMINOUS COATED AND INVERT PAVED.
 2. ALL CORRUGATED STEEL PIPE GREATER THAN 60 INCHES IN DIAMETER SHALL BE FULLY PAVED (SMOOTH FLOW).
 3. CORRUGATED STEEL PIPE SHALL NOT BE USED FOR SIZES LESS THAN 60 INCHES EXCEPT BY PERMISSION OF THE CITY ENGINEER.
 4. ARCH PIPE SHALL GENERALLY BE THE SAME GAUGE REQUIRED FOR THE EQUIVALENT ROUND PIPE.
 5. ALL CORRUGATED STEEL PIPE WITH COVER GREATER THAN 25 FEET SHALL BE REVIEWED AND EVALUATED TO DETERMINE THE REQUIRED THICKNESS.

REQUIREMENTS FOR CORRUGATED STEEL PIPE GAUGE/THICKNESS
SD 2-13

GENERAL NOTES

1. ALL CORRUGATED METAL PIPE (CMP) SHALL BE MANUFACTURED IN ACCORDANCE WITH THE APPROPRIATE ASTM SPECIFICATIONS. CORRUGATED METAL PIPE SHALL BE GALVANIZED (ZINC COATED) IN ACCORDANCE WITH ASTM A-760 AND AASHTO M-36 LATEST REVISIONS AND SHALL BE FULLY BITUMINOUS COATED.
2. INVERT OF PIPE SHALL HAVE A PAVED BITUMINOUS CONCRETE. THE PAVEMENT SHALL EXTEND ACROSS THE ENTIRE INVERT.
3. CORRUGATED METAL PIPE JOINTS, FITTINGS, AND BANDS SHALL BE MANUFACTURED, COATED, AND INSTALLED AS SPECIFIED BY THE PIPE MANUFACTURER. THE JOINTS, BANDS AND FITTINGS SHALL RECEIVE THE SAME COATINGS AS THE PIPE AND SHALL BE DESIGNED AND INSTALLED TO MINIMIZE INFILTRATION. TO ACCOMADTAE THE COORIGATED BANDS, HELICALLY CORRUGATED PIPE SHALL BE REROLLED AT THE ENDS TO PROVIDE TWO ANNULAR CORRUGATIONS. THE INNER CORRUGATIONS SHALL ACCOMADATE TWO CLOSED CELL NEOPRENE O-RING GASKETS. OTHER METHODS OF PROVIDING A WATER TIGHT JOINT SHALL BE SUBMITTED TO THE CITY ENGINEER FOR REVIEW AND APPROVAL.
4. THE PIPE AND ALL FITTINGS AND APPARATUS SHALL COMPLIE WITH THE TECHNICAL SPECIFICATIONS LISTED BELOW.
5. THIS SHEET TO BE USED WITH SHEET C3 - GRADING FROM THE COW APPROVED DRAWING SET FOR THIS PROJECT.
6. BACK FILL MATERIAL SHALL BE CLEAN WELL GRADED MATERIAL FREE OF ORGANICS. IF ON-SITE FILL MATERIAL IS USED THE CONTRACTOR SHALL EMPLOY A GEO-TECH TO PERFORM SOIL TESTING FOR pH. THE pH RANGE SHALL BE IN THE RANGE OF 5 TO 9. RESULTS OF THIS TESTING SHALL BE PROVIDED TO THE ENGINEER PRIOR TO FINAL CERTIFICATION.

CORRUGATED ALUMINUM ALLOY PIPE WITH CORRUGATED ALUMINUM PIPE FITTINGS SPECIFICATIONS

- 1.0 **SCOPE:**
This specification covers the furnishing and installation of Corrugated Aluminum pipe, and corrugated aluminum pipe fittings.
- 2.0 **MANUFACTURER:**
The manufacturer shall have had experience with at least 10 successful projects supplying and fabricating the corrugated aluminum pipe or arch pipe on NCDOT projects.
- 3.0 **PIPE MATERIAL:**
 - A) All the aluminum material used in the pipe shall be manufactured to conform to the current AASHTO M196 (and ASTM B745) specification and have an external helical corrugation of 3" x 1".
 - B) All pipe and arch pipe shall have helical lock seams with external seam staking and annular rerolled ends.
 - C) The pipe and arch pipe shall be formed from an aluminum alclad coil and conform to the current AASHTO M197 (and ASTM B744) material specification. The coil shall be the aluminum alloy 3004-H32 with 7072 alcladding.
 - D) All aluminum pipe and arch pipe shall meet the gage requirements of NCDOT standard specifications and where indicated on plan drawings for each project.
- 4.0 **PIPE JOINTS:**
 - A) All connecting bands shall be 5C, one-foot wide annular bands with Aluminum Bar Bolt and Strap connectors welded to the band.
 - B) 1 foot wide x 3/8-inch thick closed cell continuous neoprene gaskets shall be required at each pipe joint.
 - C) Each joint shall be wrapped with geotextile fabric prior to backfill to prevent soil infiltration.
- 5.0 **FITTINGS:**
Corrugated aluminum pipe fittings shall be constructed of the gauge aluminum indicated on plans. The material and method of placing shall conform to the standards for corrugated aluminum pipe as stated elsewhere in these specifications.

Pipe joints shall be sufficiently distant from a welded joint that there is no interference between the coupling and the welded joint

The Contractor shall provide detailed shop drawing for approval by Engineer prior to production.

All fabrication shall meet generally accepted practice for good workmanship. The contractor is to notify the Engineer 48 hours prior of delivery of the fittings so that the Engineer may inspect the fittings upon delivery.

- 6.0 **BEDDING:**
The bed should be constructed to uniform line and grade to avoid distortions that may create undesirable stresses in the pipe. The bed shall be free of rock formations, protruding stones, roots and other foreign matter that may cause unequal settlement. It is recommended that the bedding be a stable, well graded granular material.
- 7.0 **INSTALLATION:**
 - A) The pipe and fittings shall be installed in accordance with the plans and installation specifications and ASTM B788.
 - B) A manufacturers representative will be required for technical assistance with any assembly, installation, and backfilling of aluminum pipe and fittings.
- 8.0 **INSULATION:**
Corrugated aluminum pipe shall be insulated from dissimilar metals by concrete or neoprene rubber barrier.
- 9.0 **BACKFILL:**
The backfill material should be free of rocks, frozen lumps and foreign matter that could cause hard spots or decompose to create voids. Backfill material should be a well graded, granular material that meets the requirements of (AASHTO M145). Backfill should be placed symmetrically on each side of the pipe in 8" lifts. Each lift shall be compacted to a minimum of 90 percent density per (AASHTO T180).

DESIGN BY:	BDS
DRAWN BY:	BDS
CHECKED BY:	BDS
DATE:	JULY, 2016

JBS CONSULTING, PA
7332 Cotesworth Drive
Wilmington, NC 28045
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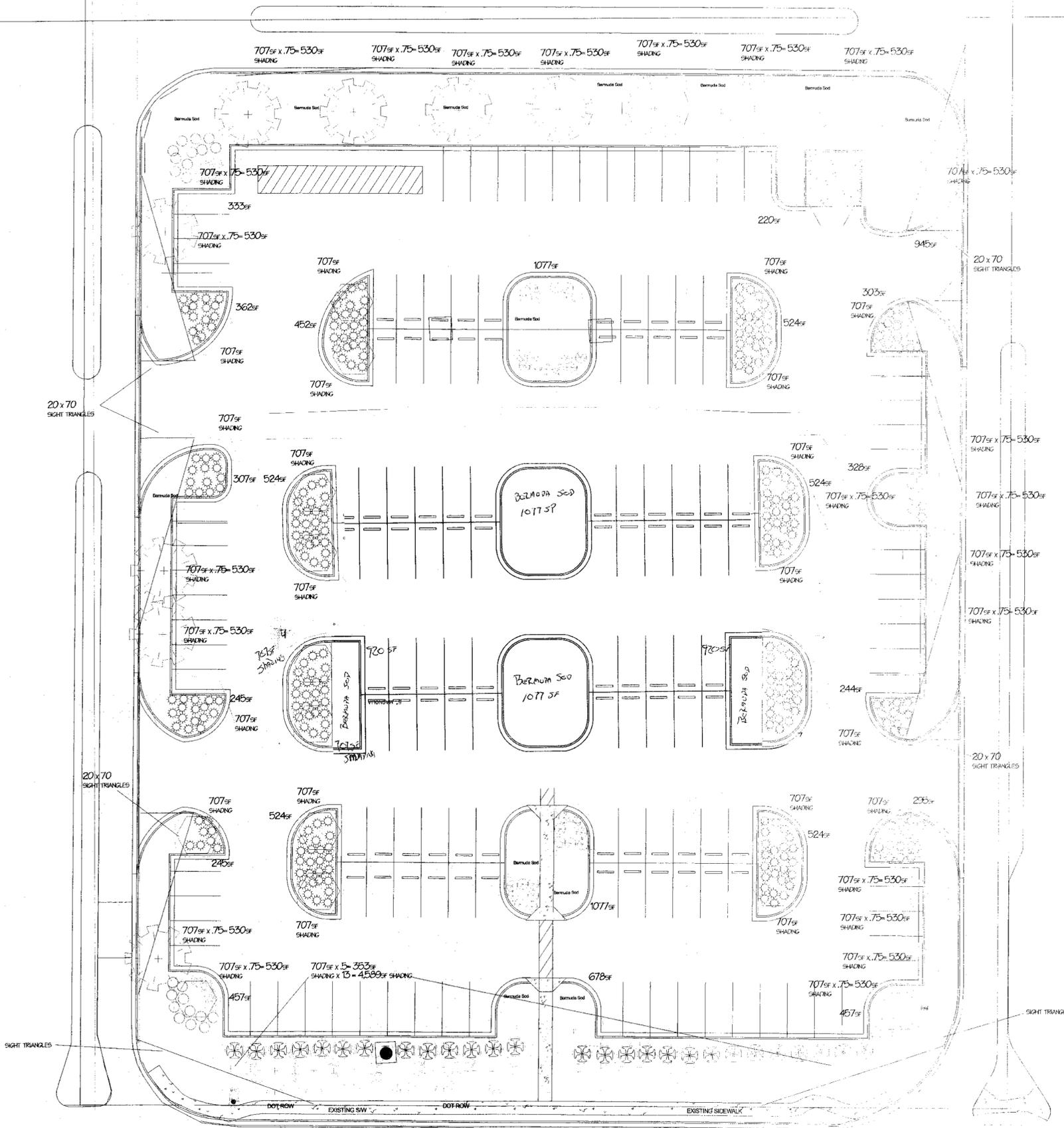


ALUMINUM CULVERT
FIAT OF WILMINGTON
6421 MARKET STREET
WILMINGTON, NORTH CAROLINA

GILLILAN PROPERTIES, LLC
JOHN S. GILLILAN, AGENT
219 COLLEGE ROAD
WILMINGTON, NC 28406

SHEET	C7
JOB NO.	032-011

REVISION	
DATE	
NUMBER	
R1	7-26-16
RESUBMITTED TO TRC WITHOUT BUILDING	



LANDSCAPE DATA

Streetyard buffer:
 Zoning RB
 25'w x 297ft = 7425sf Req'd.
 13 trees 3" cal req'd or 38 understory trees 2" cal.
 75 shrubs req'd.
 Foundation Plantings:
 Front- 18'ht x 115ft = 2070 x .12 = 250sf req'd.
 339sf prov'd.
 Side, east- 18' x 92ft = 1656sf x 12% = 200sf req'd.
 3003sf prov's.
 Side, west- 18' x 96ft = 1728sf x .12 = 207sf req'd.
 1389sf prov'd.
 2.6 acres disturbed = 40 trees 2" cal. Req'd. & 57 Prov'd.
 Total interior impervious, 76,893sf x .20 shading = 15,378.6sf shading req'd.
 22,265+ sf prov'd.



No encumbrances between 30" and 10' height in sight triangles.

Legend

Common Name	Size	Qty
Allee Elm	2.5" Cal.	8
Breeze Grass	2 Gal.	223
Blush Loropetalum	3 Gal.	9
Camellia sasanqua Shishi Gashira	7 Gal.	6
Dianella Cassa Blue	3 Gal.	12
Crape Myrtle Tuscarora	2" Cal.	7
Holly, Yaupon, Dwarf	3 Gal.	47
Drift Rose	3 Gal.	52
Liriope, Big Blue	1 Gal.	93
Pink Muhley Grass	3 Gal.	35
Trident Maple	3" Cal.	18
Tulip Poplar Arnold	3" Cal.	13
Palm, Sabal, Booted	8-12'Ht.	9
Hornbeam Fastigata	2.5" Cal.	12
Japanese Yew	3 Gal.	11
Var Ligustrum	7 Gal., 3'ht	27

FIAT OF WILMINGTON
 6415/6421 MARKET STREET
 WILMINGTON, NORTH CAROLINA
G and G PROPERTIES 2, LLC
 JOHN S. GILLILAN, AGENT
 219 COLLEGE ROAD
 WILMINGTON, NC 28406

PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES. NO CONSTRUCTION WORKERS, TOOLS, MATERIALS OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION FENCING.
 LANDSCAPING SHALL BE COMPLETE BEFORE ISSUANCE OF A C.O.

Revision #: 2

Date: 12/13/2012

Scale:

0' 1" = 20' 0"

Landscape Plan:

Fiat of Wilmington

Landscape Design by: James Freeman - NCLC# 408

Freeman Landscape, Inc.