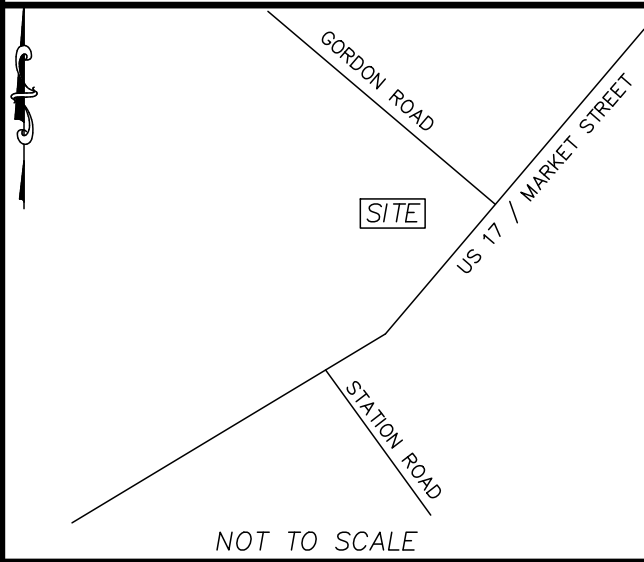


LOCATION MAP



CONSTRUCTION DRAWINGS for
WILMINGTON POWERSPORTS

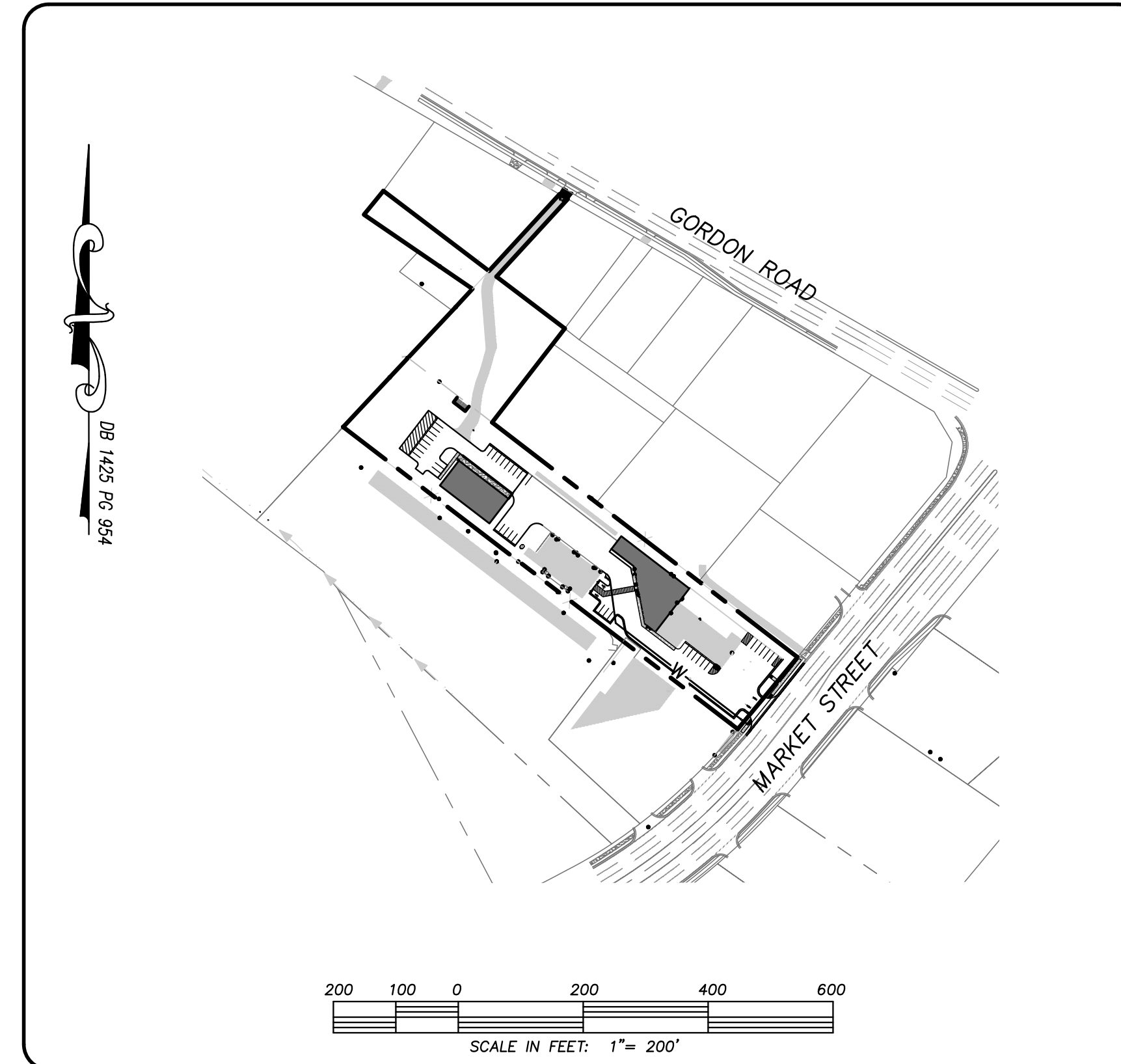
LOCATED IN CITY OF WILMINGTON
 NEW HANOVER COUNTY, NORTH CAROLINA

GENERAL NOTES:

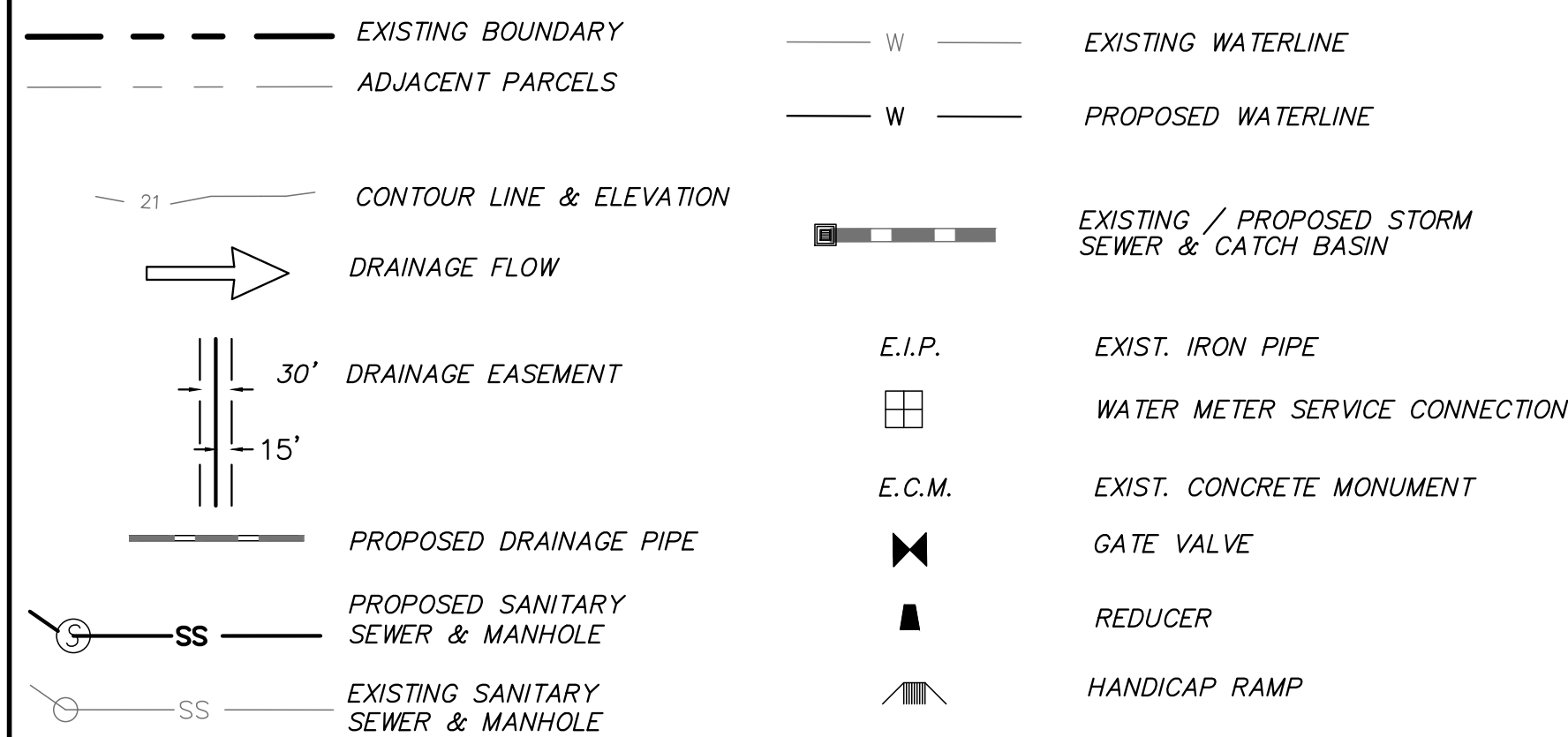
1. NEW HANOVER COUNTY PARCEL NUMBERS:
PID = R04300-004-006-000
2. TOTAL PROJECT AREA: 118,872 SF (2.73 AC)
3. EXISTING ZONING DISTRICT: RB
4. CAMA LAND CLASSIFICATION: URBAN
5. THIS SITE IS LOCATED WITHIN ZONE "X" ACCORDING TO FEMA FIRM COMMUNITY PANEL NUMBER 3720315800K, EFFECTIVE DATE 8/28/18
6. SITE ADDRESS: 6845 MARKET STREET
7. EXISTING IMPERVIOUS ONSITE = 46,589 SF
8. AS-BUILT, BOUNDARY AND TOPOGRAPHIC SURVEY PERFORMED AND PROVIDED TO CSD ENGINEERING BY PORT CITY GEOMATICS, LTD VERTICAL DATUM = 88
9. STORMWATER DRAINS TO NE CAPE FEAR RIVER, SC;SW 18-74-(61)
10. LAND OWNER - WPS HOLDINGS, LLC
3549 GOVERNORS ISLAND DRIVE
DENVER, NC 28037

WATER & SEWER USAGE NOTES:

CURRENT WATER USAGE - 1,000 GPD PROPOSED WATER USAGE - 2,000 GPD
 CURRENT SEWER USAGE - 1,000 GPD PROPOSED SEWER USAGE - 2,000 GPD
 *** BASED ON RECREATIONAL DEALERSHIPS - 15A NCAC 02T.0114 (C)
 125 GAL / FIXTURE



LEGEND



OWNER:
 WPS HOLDINGS, LLC
 3549 GOVERNORS ISLAND DRIVE
 DENVER, NC 28037

INDEX TO DRAWINGS

SHEET No.	DESCRIPTION	DRAWING No.
1 OF 6	COVER SHEET	CD_COVER
2 OF 6	EXISTING BOUNDARY AND TOPOGRAPHY, ADJACENT TRAFFIC	CD_EX-COND
3 OF 6	SITE PLAN	SITE_PLAN
4 OF 6	GRADING PLAN	SITE_PLAN
5 OF 6	LANDSCAPE PLAN	SITE_PLAN
6 OF 6	STD DETAILS	SITE_PLAN
EC1 OF EC4	STORMWATER & EROSION CONTROL PLANS	EC1
EC2 OF EC4	STORMWATER & EROSION CONTROL PLANS	EC2
EC3 OF EC4	STORMWATER & EROSION CONTROL PLANS	EC3
EC4 OF EC4	STORMWATER & EROSION CONTROL PLANS	EC4
DA1 OF DA1	DRAINAGE AREAS	DA

NOTES:

1. AS-BUILT, BOUNDARY AND TOPOGRAPHIC SURVEY PERFORMED AND PROVIDED TO CSD ENGINEERING BY GEOINNOVATION, PC.
2. THIS MAP IS NOT FOR CONVEYANCE, RECORDATION, OR SALES.
3. THIS PROPERTY IS LOCATED WITHIN ZONE "X" ACCORDING TO THE FEMA FLOOD INSURANCE RATE MAP, 3720315800K, EFFECTIVE DATE 8/28/18
4. THIS PROPERTY IS ZONED RB
5. CFPWA WATER
6. CFPWA SEWER
7. ALL CONSTRUCTION TO CONFORM TO NEW HANOVER COUNTY STANDARDS AND APPLICABLE STATE & LOCAL CODES.
8. CONTRACTOR TO COORDINATE ANY REQUIRED TRAFFIC CONTROL WITH CITY OF WILMINGTON AND OR NCDOT.
9. CARE SHALL BE TAKEN DURING FINAL GRADING TO ENSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS AND TO RECEIVING STRUCTURES. ROOF DRAIN DOWNSPOUTS TO BE CONNECTED TO STORM DRAINAGE STUBOUTS OR DIRECTED TO STREET/PARKING AREAS.
10. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ANY RELOCATIONS, RE-ALIGNMENTS, DISCONNECTIONS OR CONNECTIONS OF EXISTING UTILITIES WITH APPLICABLE AUTHORITIES.
11. CLEARING AND GRUBBING OF SITE TO INCLUDE REMOVAL OF EXISTING CURB, ASPHALT, INLETS, AND ANY OTHER STRUCTURES INCLUDING TREES, STUMPS AND DEBRIS EXISTING ON SITE. TREES NOT REQUIRED TO BE CLEARED FOR CONSTRUCTION SHALL REMAIN UNLESS OTHERWISE DIRECTED.
12. INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT ELEVATIONS AND LOCATIONS OF ALL EXISTING UTILITIES AT ALL CROSSINGS PRIOR TO COMMENCING TRENCH EXCAVATION. IF ACTUAL CLEARANCES ARE LESS THAN INDICATED ON PLAN, THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION. ANY CONDITION DISCOVERED OR EXISTING THAT WOULD NECESSITATE A MODIFICATION OF THESE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION.
13. NO CONSTRUCTION IS TO BEGIN BEFORE LOCATION OF EXISTING UTILITIES HAS BEEN DETERMINED. CALL "NC ONE-CALL" AT LEAST 48 HOURS BEFORE COMMENCING CONSTRUCTION.
14. CONTRACTOR SHALL ADJUST ALL MANHOLES, VALVE & CURB BOXES TO FINAL GRADE UPON COMPLETION OF ALL CONSTRUCTION. ANY BOXES DAMAGED OR OTHERWISE DISTURBED BY THE CONTRACTOR SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.
15. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST AND EROSION DURING CONSTRUCTION AT HIS EXPENSE. PARKING AREAS SHALL BE WATERED TO CONTROL DUST WHEN ORDERED BY THE ENGINEER.
16. NO GEOTECHNICAL TESTING HAS BEEN PERFORMED ON SITE. NO WARRANTY IS MADE FOR SUITABILITY OF SUBGRADE, AND UNDERCUT AND ANY REQUIRED REPLACEMENT WITH SUITABLE MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
17. CONTRACTOR TO ENSURE THAT PAVEMENT IS PLACED SO AS TO DRAIN POSITIVELY TO THE STREET INLETS AND CATCH BASINS. ALL FUTURE ROOF DRAIN DOWNSPOUTS TO BE DIRECTED TO THE STORM DRAINAGE STUBOUTS.
18. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS.
19. THIS PLAN IS FOR SITE GRADING, UTILITIES, SITING, AND DRAINAGE ONLY. SEE BUILDING PLANS FOR DETAILED HOOKUPS TO BUILDINGS, ETC.
20. CONTRACTOR AND BUILDER ARE RESPONSIBLE FOR COORDINATING FINISHED FLOOR ELEVATION OF ALL BUILDINGS WITH THE OWNER. ELEVATIONS GIVEN ARE MINIMUM GROUND ELEVATIONS AT THE BUILDING SITE AND DO NOT PURPORT TO BE FINISHED FLOOR. MINIMUM RECOMMENDED FF ELEVATIONS SHOWN ON PLANS.
21. AFFECTED NON-MUNICIPAL UTILITIES SHALL BE CONTACTED AND PROVIDED WITH PLANS AND OTHER PERTINENT INFORMATION, WHEN FEASIBLE, TO COORDINATE APPROPRIATE SCHEDULING AND PLACEMENT.
22. EXTREME CARE SHALL BE TAKEN TO ENSURE MINIMUM SEPARATIONS AT ALL UTILITY CROSSINGS.
23. MINIMUM SEPARATION SHALL BE MAINTAINED AS FOLLOWS:
 - a. HORIZONTAL SEPARATION OF 10 FEET BETWEEN SANITARY SEWER AND WATER MAINS AND STORM SEWER.
 - b. WHERE VERTICAL CLEARANCE IS LESS THAN 24" BETWEEN SANITARY SEWER AND WATER OR WHERE SEWER LINE CROSSES ABOVE WATER MAIN, BOTH PIPES SHALL BE DUCTILE IRON PIPE FOR A MINIMUM OF 10' EITHER SIDE OF CROSSING.
 - c. WHERE VERTICAL CLEARANCE IS LESS THAN 24" BETWEEN SANITARY SEWER AND STORM DRAIN, SANITARY SEWER SHALL BE DUCTILE IRON PIPE FOR A MINIMUM OF 10 FEET EITHER SIDE OF CROSSING.
 - d. WHERE VERTICAL CLEARANCE IS LESS THAN 12" BETWEEN SANITARY SEWER AND STORM DRAIN, SANITARY SEWER SHALL BE DUCTILE IRON PIPE FOR A MINIMUM OF 10' EITHER SIDE OF CROSSING, AND BRIDGING SHALL BE INSTALLED PER APPLICABLE UTILITY AUTHORITY'S DETAILS.
 - e. IN NO CASE SHALL THERE BE LESS THAN 18" OF SEPARATION BETWEEN OUTSIDE OF WATER MAIN AND OUTSIDE OF SEWER OR STORM DRAINAGE.
 - f. MINIMUM COVER OF 36" SHALL BE PROVIDED FOR ALL BURIED WATER MAINS AND SANITARY SEWER MAINS.

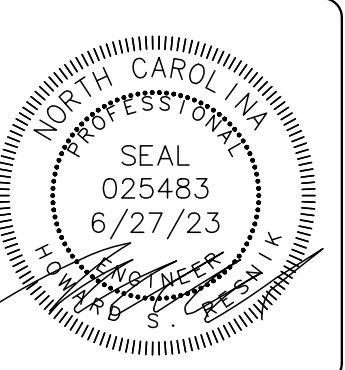


LICENSE # C-2710
 ENGINEERING
 LAND PLANNING
 COMMERCIAL / RESIDENTIAL

P.O. BOX 4041
 WILMINGTON, NC 28406
 (910) 791-4441

COVER SHEET
 WILMINGTON POWERSPORTS

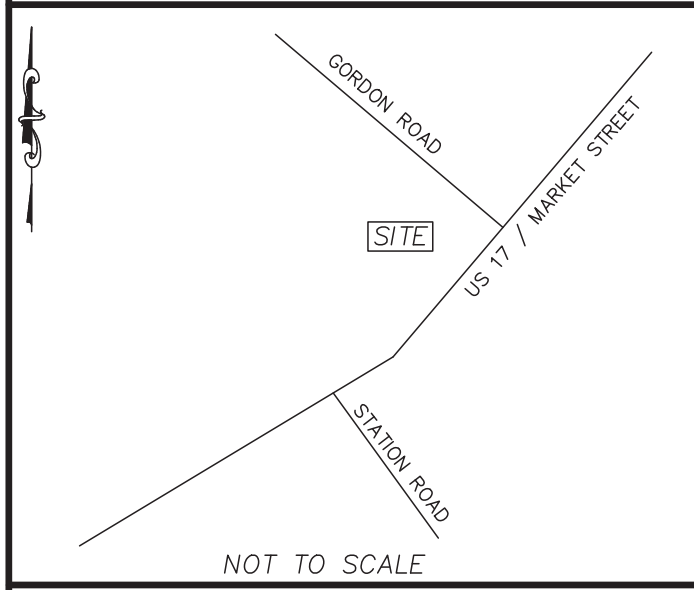
SITE PLAN for
WILMINGTON POWERSPORTS
 LOCATED IN CITY OF WILMINGTON
 NEW HANOVER COUNTY, NORTH CAROLINA
 OWNER: WPS HOLDINGS, LLC
 3549 GOVERNORS ISLAND DRIVE
 DENVER, NC 28037



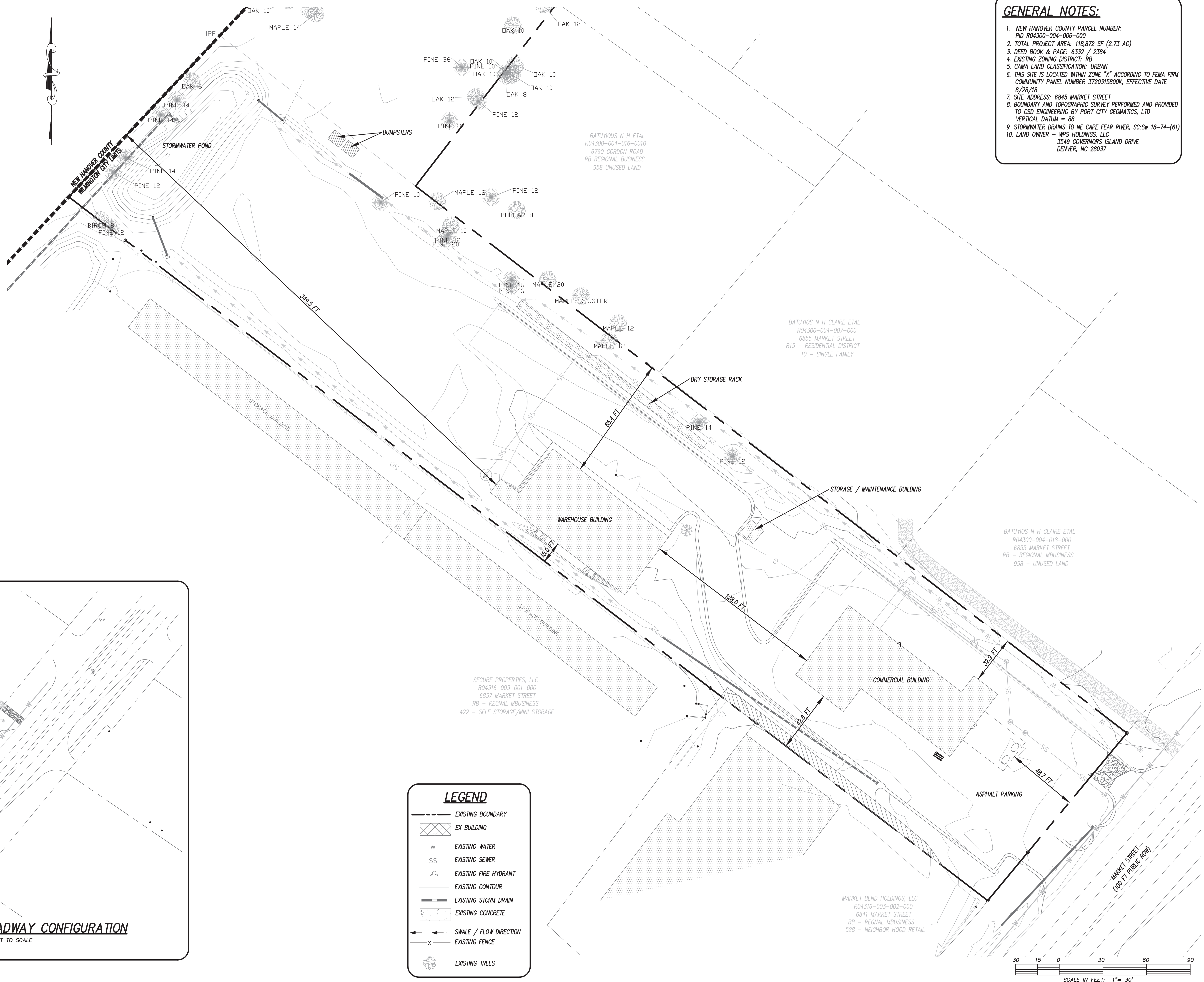
REV.	DATE	BY	REMARKS
1	6/16/22	JSM	REVISED SITE GRASS ROUTE
2	11/09/22	JSM	REVISED PER CITY OF WILMINGTON TRC COMMENTS
3	9/7/22	JSM	REVISED PER CITY OF WILMINGTON TRC COMMENTS
4	7/18/22	JSM	REVISED PER CITY OF WILMINGTON TRC COMMENTS

DATE: 6/16/22
 HORZ. SCALE: 1" = 200'
 VERT. SCALE: N/A
 DRAWN BY: JSM
 CHECKED BY: HSR
 PROJECT NO.: 21-0554

LOCATION MAP



NOT TO SCALE



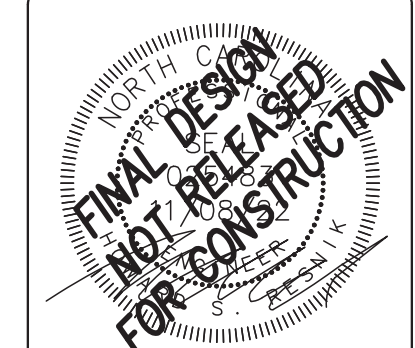
- GENERAL NOTES:**
1. NEW HANOVER COUNTY PARCEL NUMBER: PID R04300-004-006-000
 2. TOTAL PROJECT AREA: 118,872 SF (2.73 AC)
 3. DEED BOOK & PAGE: 6332 / 2384
 4. EXISTING ZONING DISTRICT: RB
 5. CANA LAND CLASSIFICATION: URBAN
 6. THIS SITE IS LOCATED WITHIN ZONE "X" ACCORDING TO FEMA FIRM COMMUNITY PANEL NUMBER 3720315800K, EFFECTIVE DATE 8/28/18
 7. SITE ADDRESS: 6845 MARKET STREET
 8. BOUNDARY AND TOPOGRAPHIC SURVEY PERFORMED AND PROVIDED TO CSD ENGINEERING BY PORT CITY GEOMATICS, LTD VERTICAL DATUM = 88
 9. STORMWATER DRAINS TO NE CAPE FEAR RIVER, SC; SW 18-74-(61)
 10. LAND OWNER - WPS HOLDINGS, LLC 3549 GOVERNORS ISLAND DRIVE DENVER, NC 28037



LICENSE # C-2710
ENGINEERING
LAND PLANNING
COMMERCIAL / RESIDENTIAL

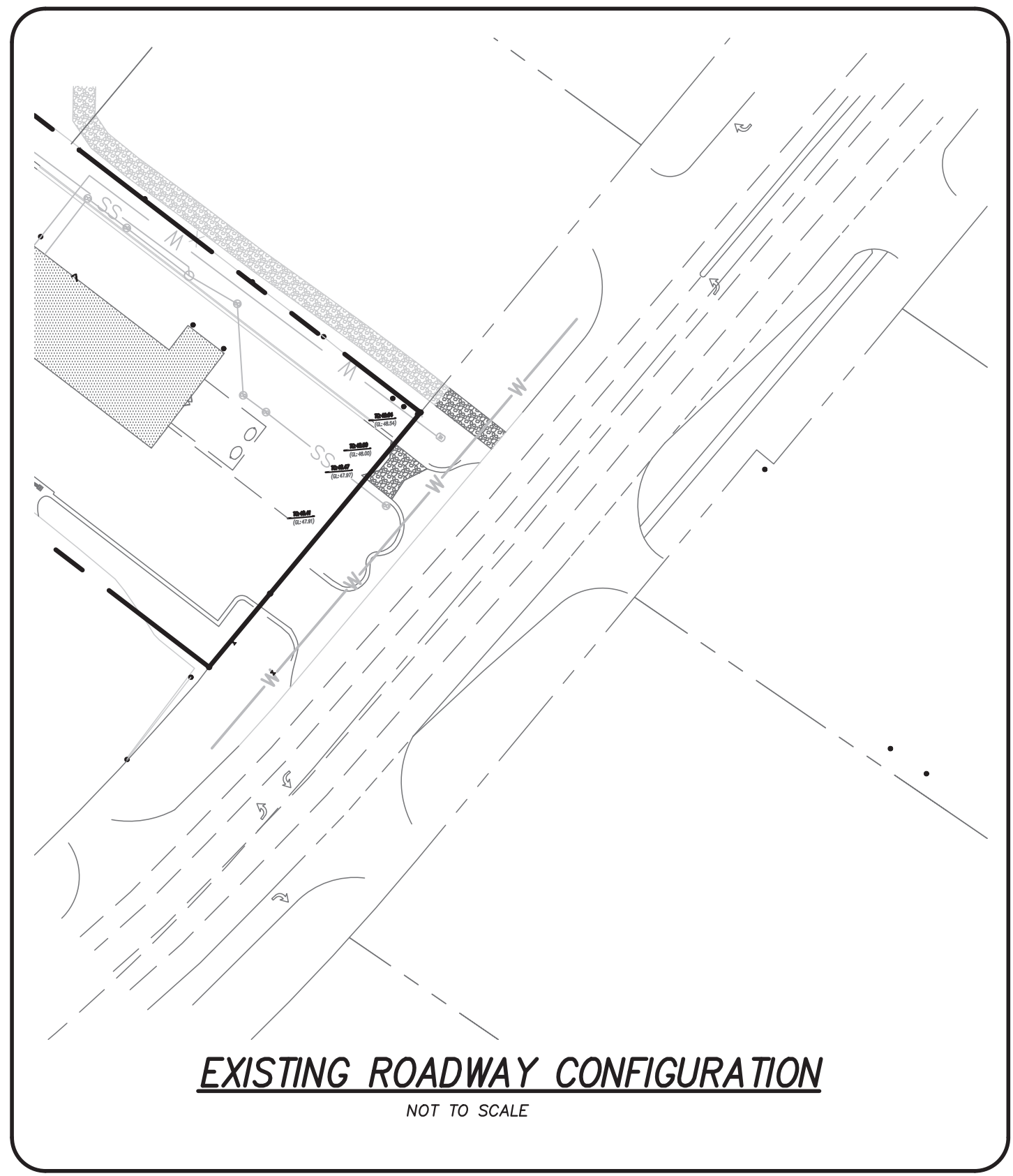
P.O. BOX 4041
WILMINGTON, NC 28406
(910) 791-4441

SITE PLAN for
WILMINGTON POWERSPORTS
LOCATED IN CITY OF WILMINGTON
NEW HANOVER COUNTY, NORTH CAROLINA
OWNER: WPS HOLDINGS, LLC
3549 GOVERNORS ISLAND DRIVE
DENVER, NC 28037



REV. NO.	DATE	BY	REMARKS
2	11/08/22	JSM	SCALED
1	9/29/22	JSM	RELEASED PER CITY OF WILMINGTON TRC COMMENTS

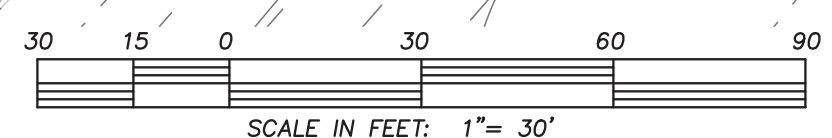
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VERT SCALE: N/A
DRAWN BY: JSM
CHECKED BY: HSR
PROJECT NO.: 21-0554



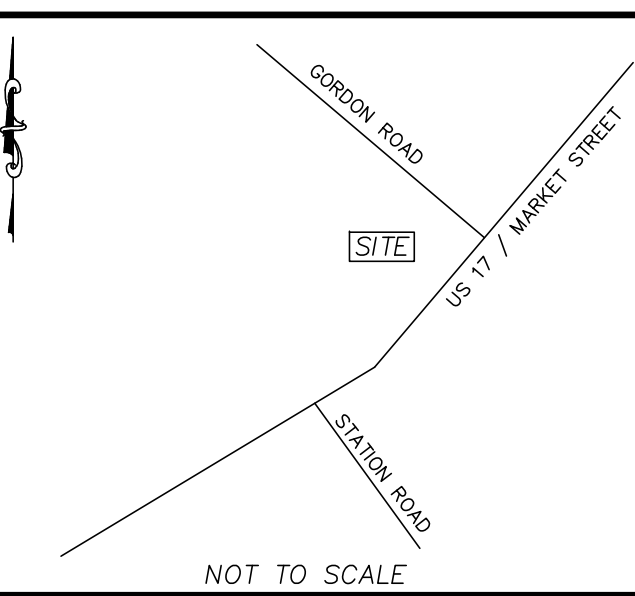
EXISTING ROADWAY CONFIGURATION
NOT TO SCALE

LEGEND

- EXISTING BOUNDARY
- ▨ EX BUILDING
- W- EXISTING WATER
- SS- EXISTING SEWER
- ⊕ EXISTING FIRE HYDRANT
- EXISTING CONTOUR
- EXISTING STORM DRAIN
- ▭ EXISTING CONCRETE
- SWALE / FLOW DIRECTION
- x- EXISTING FENCE
- 🌳 EXISTING TREES



LOCATION MAP



GENERAL NOTES:

1. NEW HANOVER COUNTY PARCEL NUMBER: PID R04300-004-006-000
2. TOTAL PROJECT AREA: 120,660 SF (2.77 AC)
3. DEED BOOK & PAGE: 6332 / 2384
4. EXISTING ZONING DISTRICT: RB
5. CAMA LAND CLASSIFICATION: URBAN
6. THIS SITE IS LOCATED WITHIN ZONE "X" ACCORDING TO FEMA FIRM COMMUNITY PANEL NUMBER 3720315800K, EFFECTIVE DATE 8/28/18
7. SITE ADDRESS: 6845 MARKET STREET
8. BOUNDARY AND TOPOGRAPHIC SURVEY PERFORMED AND PROVIDED TO CSD ENGINEERING BY PORT CITY GEOMATICS, LTD. VERTICAL DATUM = 88
9. STORMWATER DRAINS TO SMITH CREEK, C.S.W. 18-74-63
10. LAND OWNER - WFS HOLDINGS, LLC 3549 GOVERNORS ISLAND DRIVE DENVER, NC 28037
11. CFPWA WATER AND SEWER
12. ALL SIGNS AND PAVEMENT MARKINGS IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD STANDARDS.
13. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF EXISTING UTILITIES DURING CONSTRUCTION. CALL U-LOCO AT 1-800-632-4949. CONTRACTOR IS RESPONSIBLE FOR THE REPAIR AND REPLACEMENT OF ANY UTILITIES, CURB AND GUTTER, SIDEWALK PANELS, PAVEMENT, ETC. THAT MAY BE DAMAGED DURING CONSTRUCTION. DAMAGED ITEMS SHALL BE REPAIRED TO AT LEAST THE QUALITY OR WORKMANSHIP FOUND IN THE ORIGINAL ITEM.
14. SOLID WASTE DISPOSAL WILL BE TRASH TOTES.
15. ALL DEVELOPMENT SHALL BE IN ACCORDANCE WITH THE CITY OF WILMINGTON ZONING ORDINANCE.
16. APPROVAL OF SITE PLAN DOES NOT CONSTITUTE APPROVAL OF PROPOSED SIGNAGE FOR THIS SITE. A SEPARATE SIGN PERMIT MUST BE OBTAINED.
17. TRAFFIC CONTROL DEVICES (INCLUDING SIGNS AND PAVEMENT MARKINGS) IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD STANDARDS.
18. ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS OF WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET NHC AND/OR NCDOT STANDARDS.
19. TACTILE WARNING MATS ARE TO BE INSTALLED ON ALL WHEELCHAIR RAMPS.
20. ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT OF WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MUTCD STANDARDS.
21. ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREA SHALL BE WHITE.
22. SECTION 510 EMERGENCY RESPONDER RADIO COVERAGE FOR THE NEW BUILDING REQUIRED.
23. ALL NEW BUILDINGS SHALL COMPLY WITH APPENDIX J OF THE NC FIRE CODE, BUILDING INFORMATION SIGNS.
24. ANY BROKEN OR MISSING SIDEWALK PANELS AND CURBING WILL BE REPLACED.

SITE DATA:

PROPOSED LAND USE: RECREATIONAL VEHICLE SALES

IMPERVIOUS SURFACES -

EXISTING	
BUILDINGS	11,215 SF
ASPHALT	31,375 SF
CONCRETE	3,999 SF
TOTAL	46,589 SF
PROPOSED	
EX. BLD	11,051 SF
PROP. BLD	12,127 SF
EX. ASPHALT	31,375 SF
PROP. ASPHALT	18,686 SF
PROP. CONCRETE	1,661 SF
TOTAL	74,900 SF

LOT COVERAGE = 23,178 / 120,660 = 0.192 (19%)

TOTAL BUA = 74,900 / 120,660 = 0.621 OR 62% IMPERVIOUS

PARKING:
23,178 SF SHOWROOM = 23,178 / 300 = 77.3 & 1 SPACE PER EMPLOYEE; (77.3 + 4 = 81.3) @ 1 SPACES MAX. 46 SPACES PROVIDED

BUILDING HEIGHT: 28 FT
BUILDING TYPE: II-B
BUILDING SETBACKS:

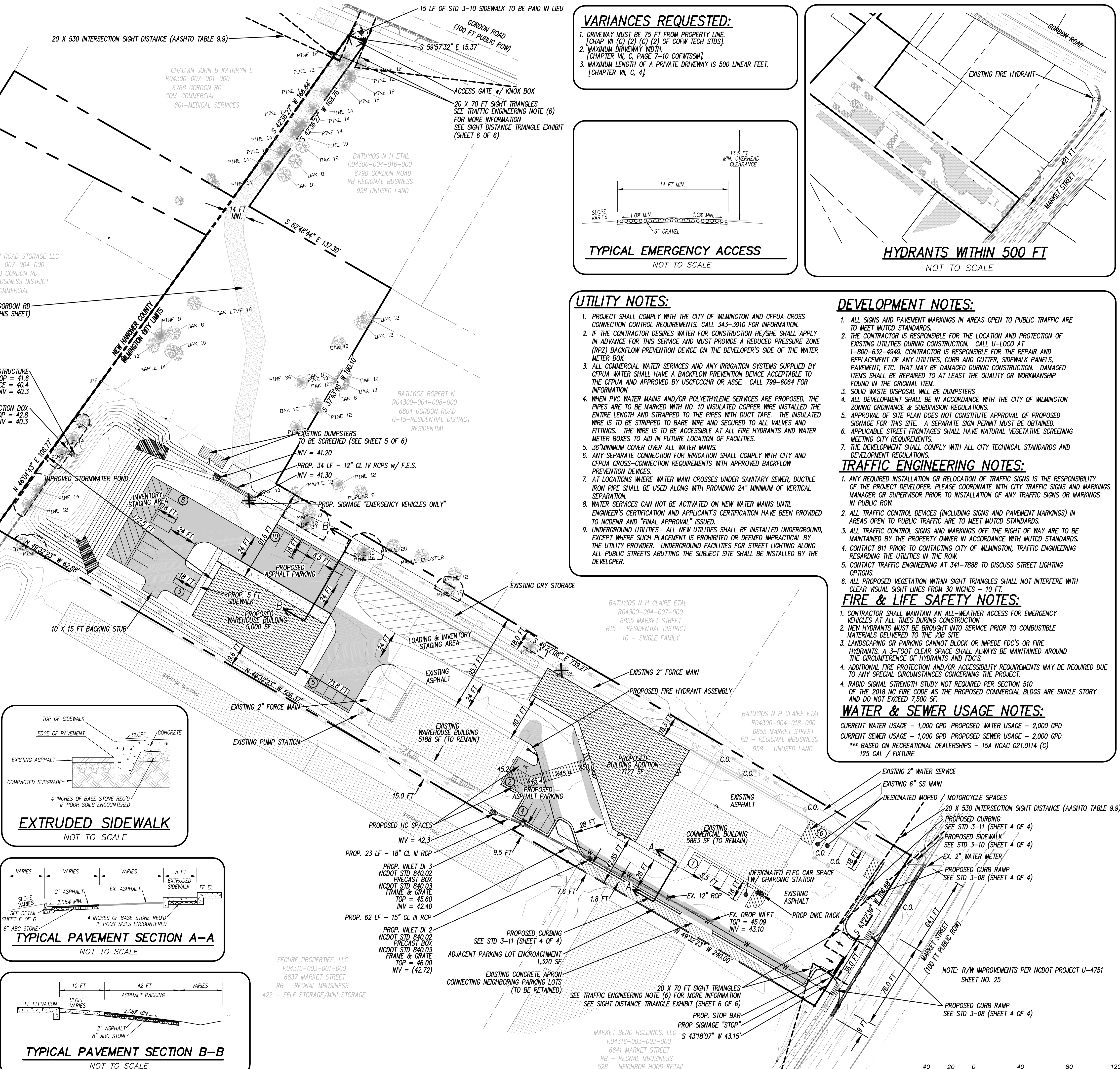
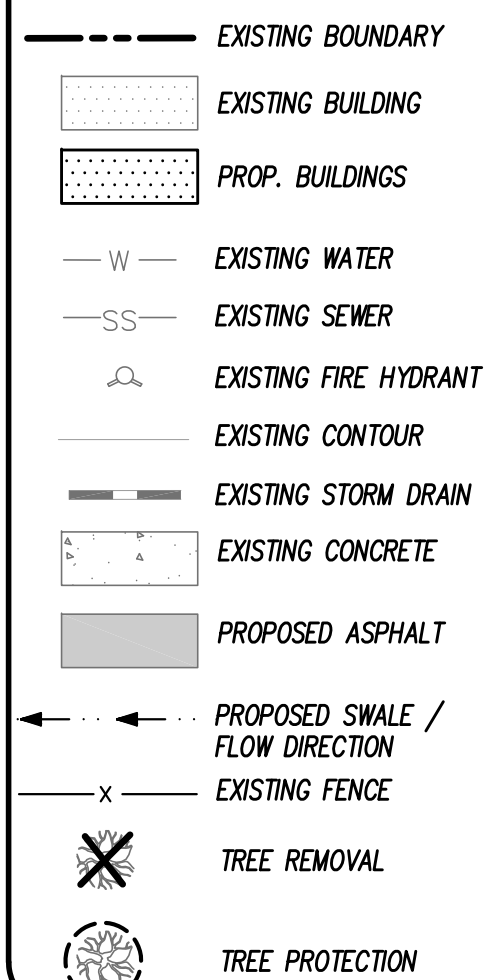
REQUIRED	PROVIDED
FRONT	25 FT / 84.2 FT
SIDE	0 FT (20 FT) / 15.0 FT (SOUTH), 18.3 FT (NORTH)
REAR	15 FT / 172.5 FT

SITE SOILS Mu & Le
SCS SOIL GROUP "A" PER USDA SOIL SURVEY WEBSITE

STORMWATER PERMITTING
SITE IS COVERED UNDER EXISTING STATE STORMWATER PERMIT SWB 950619 DATED AUGUST 11, 1995
PERMIT COVERS 74,900 SF OF BUA

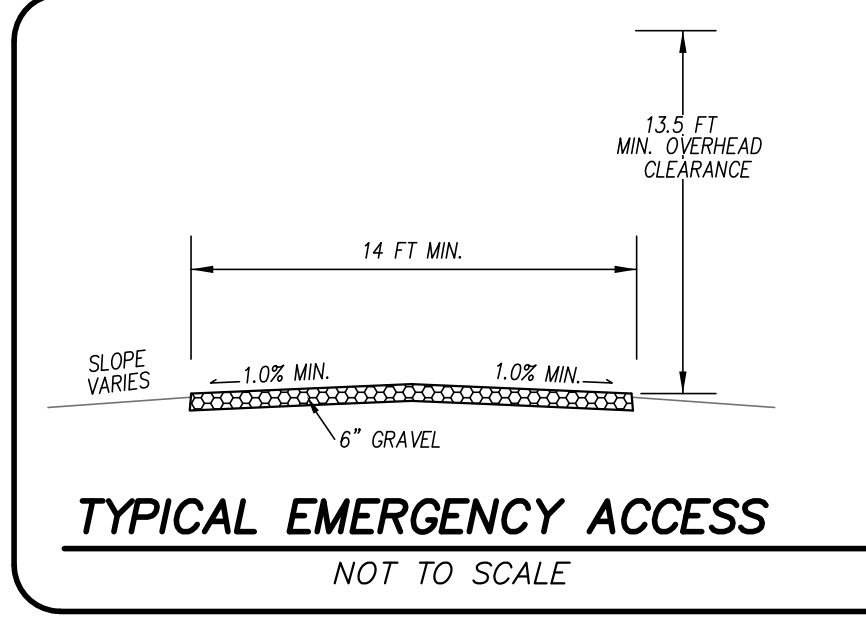
STORMWATER CLASSIFICATION
RECEIVING STREAM SMITH CREEK
RIVER BASIN CAPE FEAR
STREAM INDEX NUMBER 18-74-63
WATER CLASSIFICATION C,Sw

LEGEND



VARIANCES REQUESTED:

1. DRIVEWAY MUST BE 75 FT FROM PROPERTY LINE. [CHAP VII (C) (2) (C) (2) OF COW TECH STDS]
2. MAXIMUM DRIVEWAY WIDTH. [CHAPTER VII, C, PAGE 7-10 COWTESSM]
3. MAXIMUM LENGTH OF A PRIVATE DRIVEWAY IS 500 LINEAR FEET. [CHAPTER VII, C, 4]



UTILITY NOTES:

1. PROJECT SHALL COMPLY WITH THE CITY OF WILMINGTON AND CFPWA CROSS CONNECTION CONTROL REQUIREMENTS. CALL 343-3910 FOR INFORMATION.
2. IF THE CONTRACTOR DESIRES WATER FOR CONSTRUCTION HE/SHE SHALL APPLY IN ADVANCE FOR THIS SERVICE AND MUST PROVIDE A REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTION DEVICE ON THE DEVELOPER'S SIDE OF THE WATER METER BOX.
3. ALL COMMERCIAL WATER SERVICES AND ANY IRRIGATION SYSTEMS SUPPLIED BY CFPWA WATER SHALL HAVE A BACKFLOW PREVENTION DEVICE ACCEPTABLE TO THE CFPWA AND APPROVED BY USFCFCHOR OR ASSE. CALL 799-6064 FOR INFORMATION.
4. WHEN PVC WATER MAINS AND/OR POLYETHYLENE SERVICES ARE PROPOSED, THE PIPES ARE TO BE MARKED WITH NO. 10 INSULATED COPPER WIRE INSTALLED THE ENTIRE LENGTH AND STRAPPED TO THE PIPES WITH DUCT TAPE. THE INSULATED WIRE IS TO BE STRIPPED TO BARE WIRE AND SECURED TO ALL VALVES AND FITTINGS. THE WIRE IS TO BE ACCESSIBLE AT ALL FIRE HYDRANTS AND WATER METER BOXES TO AID IN FUTURE LOCATION OF FACILITIES.
5. 36" MINIMUM COVER OVER ALL WATER MAINS.
6. ANY SEPARATE CONNECTION FOR IRRIGATION SHALL COMPLY WITH CITY AND CFPWA CROSS-CONNECTION REQUIREMENTS WITH APPROVED BACKFLOW PREVENTION DEVICES.
7. AT LOCATIONS WHERE WATER MAIN CROSSES UNDER SANITARY SEWER, DUCTILE IRON PIPE SHALL BE USED ALONG WITH PROVIDING 24" MINIMUM OF VERTICAL SEPARATION.
8. WATER SERVICES CAN NOT BE ACTIVATED ON NEW WATER MAINS UNTIL ENGINEER'S CERTIFICATION AND APPLICANT'S CERTIFICATION HAVE BEEN PROVIDED TO NCDENR AND "FINAL APPROVAL" ISSUED.
9. UNDERGROUND UTILITIES - ALL NEW UTILITIES SHALL BE INSTALLED UNDERGROUND, EXCEPT WHERE SUCH PLACEMENT IS PROHIBITED OR DEEMED IMPRACTICAL BY THE UTILITY PROVIDER. UNDERGROUND FACILITIES FOR STREET LIGHTING ALONG ALL PUBLIC STREETS ADJUTING THE SUBJECT SITE SHALL BE INSTALLED BY THE DEVELOPER.

DEVELOPMENT NOTES:

1. ALL SIGNS AND PAVEMENT MARKINGS IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD STANDARDS.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF EXISTING UTILITIES DURING CONSTRUCTION. CALL U-LOCO AT 1-800-632-4949. CONTRACTOR IS RESPONSIBLE FOR THE REPAIR AND REPLACEMENT OF ANY UTILITIES, CURB AND GUTTER, SIDEWALK PANELS, PAVEMENT, ETC. THAT MAY BE DAMAGED DURING CONSTRUCTION. DAMAGED ITEMS SHALL BE REPAIRED TO AT LEAST THE QUALITY OR WORKMANSHIP FOUND IN THE ORIGINAL ITEM.
3. SOLID WASTE DISPOSAL WILL BE DUMPSTERS.
4. ALL DEVELOPMENT SHALL BE IN ACCORDANCE WITH THE CITY OF WILMINGTON ZONING ORDINANCE & SUBDIVISION REGULATIONS.
5. APPROVAL OF SITE PLAN DOES NOT CONSTITUTE APPROVAL OF PROPOSED SIGNAGE FOR THIS SITE. A SEPARATE SIGN PERMIT MUST BE OBTAINED.
6. APPLICABLE STREET FRONTAGES SHALL HAVE NATURAL VEGETATIVE SCREENING MEETING CITY REQUIREMENTS.
7. THE DEVELOPMENT SHALL COMPLY WITH ALL CITY TECHNICAL STANDARDS AND DEVELOPMENT REGULATIONS.

TRAFFIC ENGINEERING NOTES:

1. ANY REQUIRED INSTALLATION OR RELOCATION OF TRAFFIC SIGNS IS THE RESPONSIBILITY OF THE PROJECT DEVELOPER. PLEASE COORDINATE WITH CITY TRAFFIC SIGNS AND MARKINGS MANAGER OR SUPERVISOR PRIOR TO INSTALLATION OF ANY TRAFFIC SIGNS OR MARKINGS IN PUBLIC ROW.
2. ALL TRAFFIC CONTROL DEVICES (INCLUDING SIGNS AND PAVEMENT MARKINGS) IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD STANDARDS.
3. ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT OF WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MUTCD STANDARDS.
4. CONTACT 811 PRIOR TO CONTACTING CITY OF WILMINGTON, TRAFFIC ENGINEERING REGARDING THE UTILITIES IN THE ROW.
5. CONTACT TRAFFIC ENGINEERING AT 341-7888 TO DISCUSS STREET LIGHTING OPTIONS.
6. ALL PROPOSED VEGETATION WITHIN SIGHT TRIANGLES SHALL NOT INTERFERE WITH CLEAR VISUAL SIGHT LINES FROM 30 INCHES - 10 FT.

FIRE & LIFE SAFETY NOTES:

1. CONTRACTOR SHALL MAINTAIN AN ALL-WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION
2. NEW HYDRANTS MUST BE BROUGHT INTO SERVICE PRIOR TO COMBUSTIBLE MATERIALS DELIVERED TO THE JOB SITE
3. LANDSCAPING OR PARKING CANNOT BLOCK OR IMPEDE FDC'S OR FIRE HYDRANTS. A 3-FOOT CLEAR SPACE SHALL ALWAYS BE MAINTAINED AROUND THE CIRCUMFERENCE OF HYDRANTS AND FDC'S.
4. ADDITIONAL FIRE PROTECTION AND/OR ACCESSIBILITY REQUIREMENTS MAY BE REQUIRED DUE TO ANY SPECIAL CIRCUMSTANCES CONCERNING THE PROJECT.
5. RADIO SIGNAL STRENGTH STUDY NOT REQUIRED PER SECTION 510 OF THE 2018 NC FIRE CODE AS THE PROPOSED COMMERCIAL BLDGS ARE SINGLE STORY AND DO NOT EXCEED 7,500 SF.

WATER & SEWER USAGE NOTES:

CURRENT WATER USAGE - 1,000 GPD PROPOSED WATER USAGE - 2,000 GPD
CURRENT SEWER USAGE - 1,000 GPD PROPOSED SEWER USAGE - 2,000 GPD
*** BASED ON RECREATIONAL DEALERSHIPS - 15A NCAC 02T.0114 (C)
125 GAL / FIXTURE

CSD ENGINEERING
LICENSE # C-2710
ENGINEERING
LAND PLANNING
COMMERCIAL / RESIDENTIAL
P.O. BOX 4041
WILMINGTON, NC 28406
(910) 791-4441

SITE PLAN for
WILMINGTON POWERSPORTS

WILMINGTON POWERSPORTS
LOCATED IN CITY OF WILMINGTON
NEW HANOVER COUNTY, NORTH CAROLINA
OWNER: WFS HOLDINGS, LLC
3549 GOVERNORS ISLAND DRIVE
DENVER, NC 28037

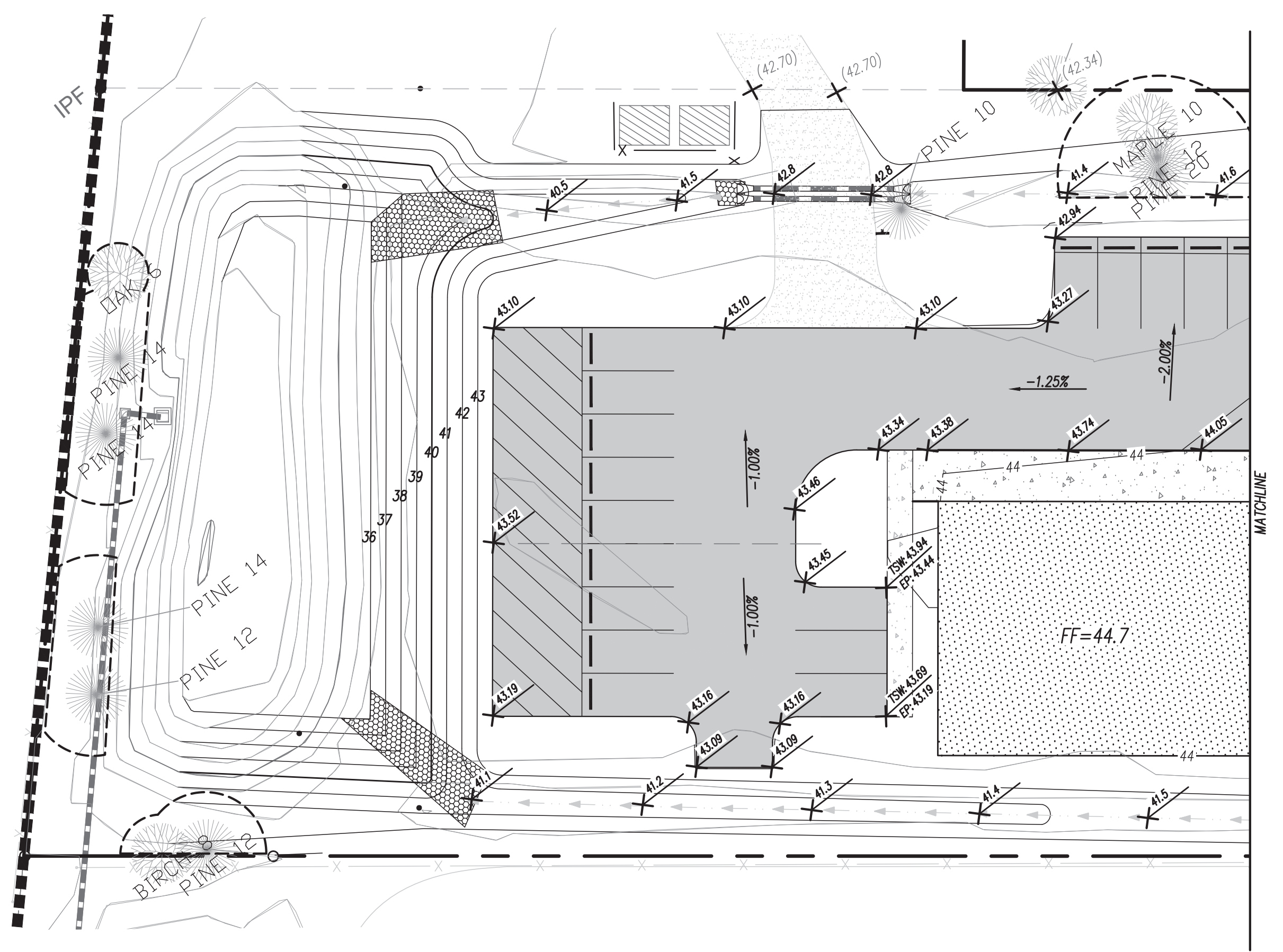
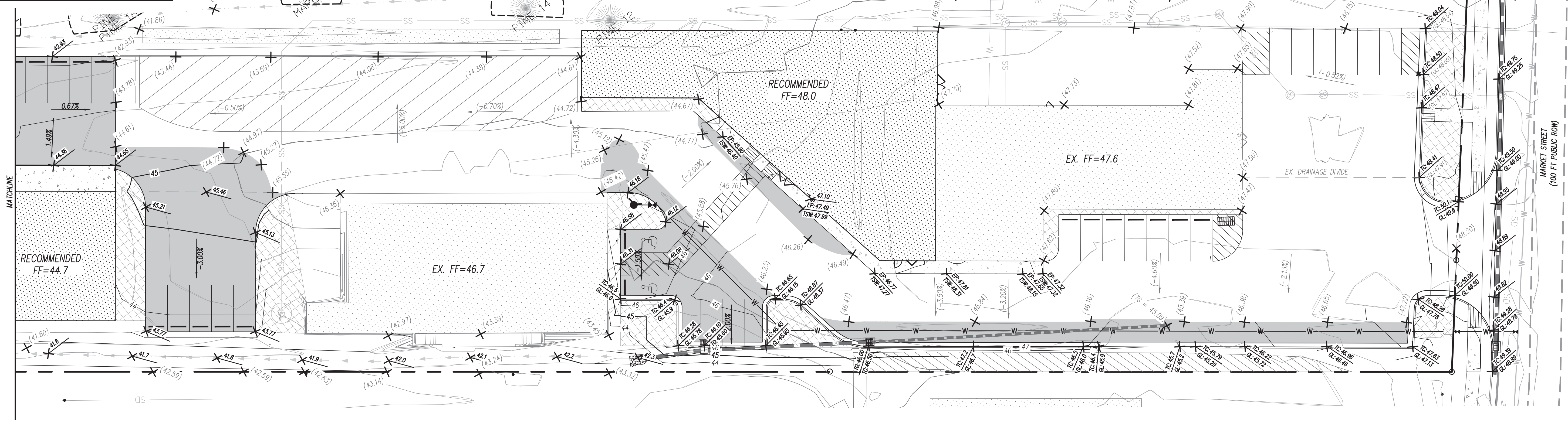
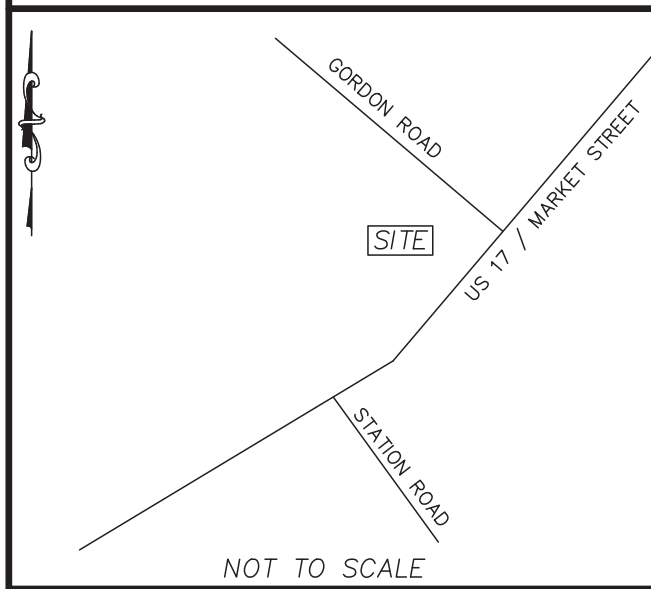
SEAL
025483
6/27/23

REV. NO.	DATE	BY	REMARKS
1	6/16/22	JSM	REVISION PER CITY OF WILMINGTON TRC COMMENTS
2	6/16/22	JSM	REVISION PER CITY OF WILMINGTON TRC COMMENTS
3	6/16/22	JSM	REVISION PER CITY OF WILMINGTON TRC COMMENTS
4	6/16/22	JSM	REVISION PER CITY OF WILMINGTON TRC COMMENTS
5	6/16/22	JSM	REVISION PER CITY OF WILMINGTON TRC COMMENTS

DATE: 6/16/22
HORZ. SCALE: 1" = 40'
VERT. SCALE: N/A
DRAWN BY: JSM
CHECKED BY: HSR
PROJECT NO.: 21-0554

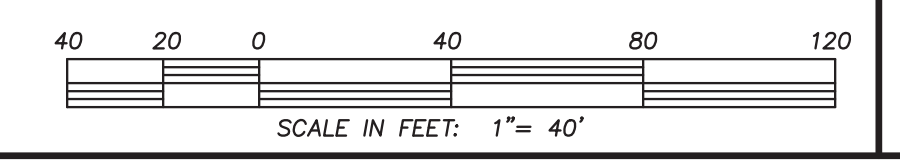
Sheet No. **3** of **6**

LOCATION MAP



LEGEND

- EXISTING BOUNDARY
- [Pattern] EXISTING BUILDING
- [Pattern] PROP. BUILDINGS
- W- EXISTING WATER
- SS- EXISTING SEWER
- ⊕ EXISTING FIRE HYDRANT
- EXISTING CONTOUR
- EXISTING STORM DRAIN
- [Pattern] EXISTING CONCRETE
- [Pattern] PROPOSED ASPHALT
- PROPOSED SWALE / FLOW DIRECTION
- x- EXISTING FENCE
- [Symbol] TREE PROTECTION



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ENGINEERING

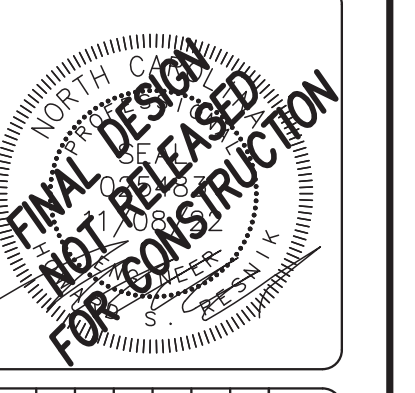
LICENSE # C-2710
ENGINEERING
LAND PLANNING
COMMERCIAL / RESIDENTIAL

P.O. BOX 4041
WILMINGTON, NC 28406
(910) 791-4441

GRADING PLAN
for
WILMINGTON POWERSPORTS

SITE PLAN for
WILMINGTON POWERSPORTS
LOCATED IN CITY OF WILMINGTON
NEW HANCOCK COUNTY, NORTH CAROLINA

OWNER: WPS HOLDINGS, LLC
3549 GOVERNORS ISLAND DRIVE
DENVER, NC 28037

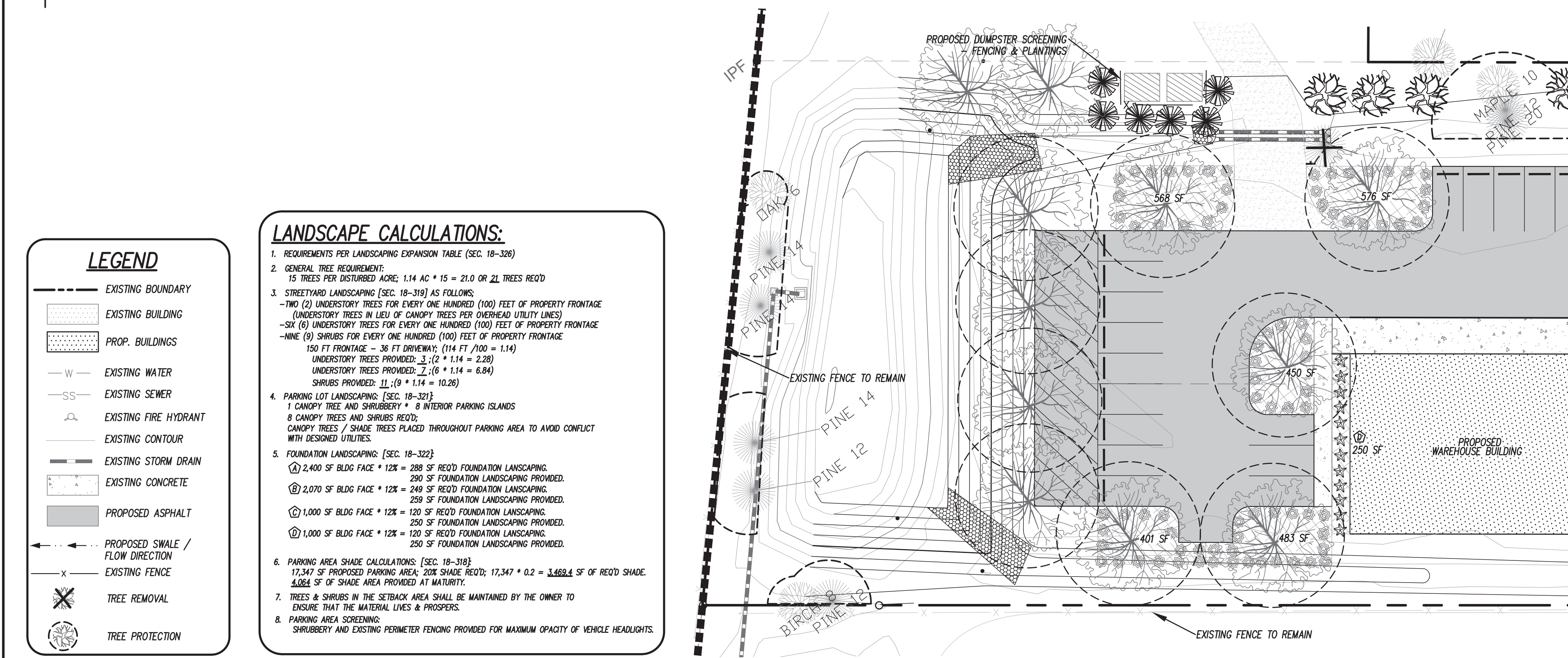
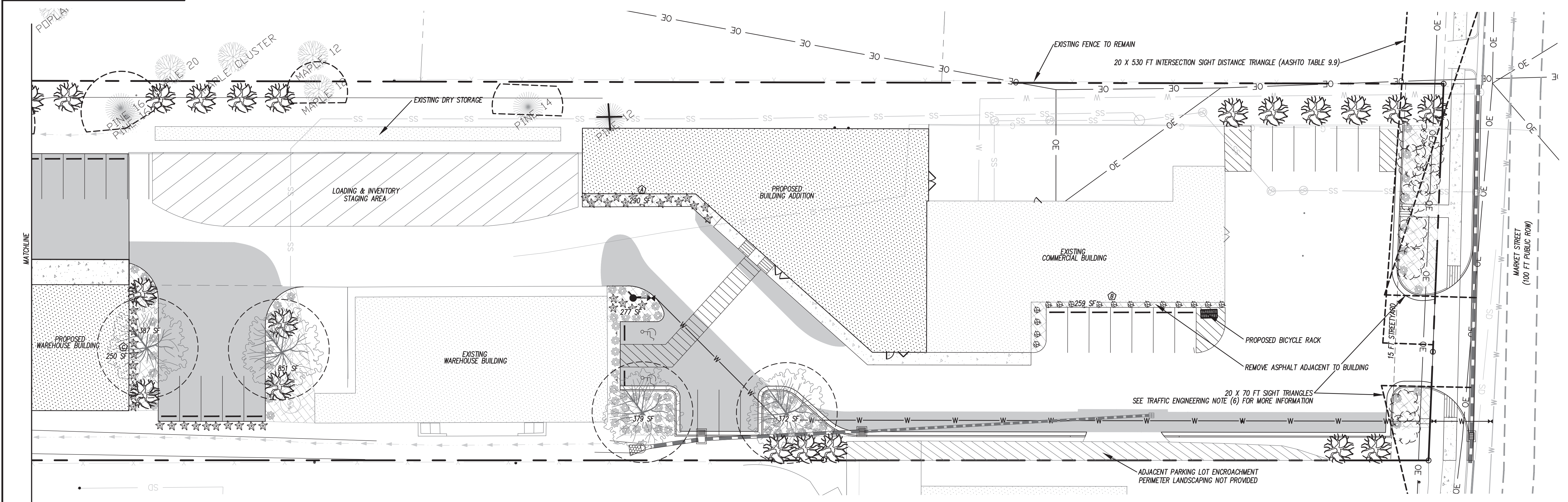
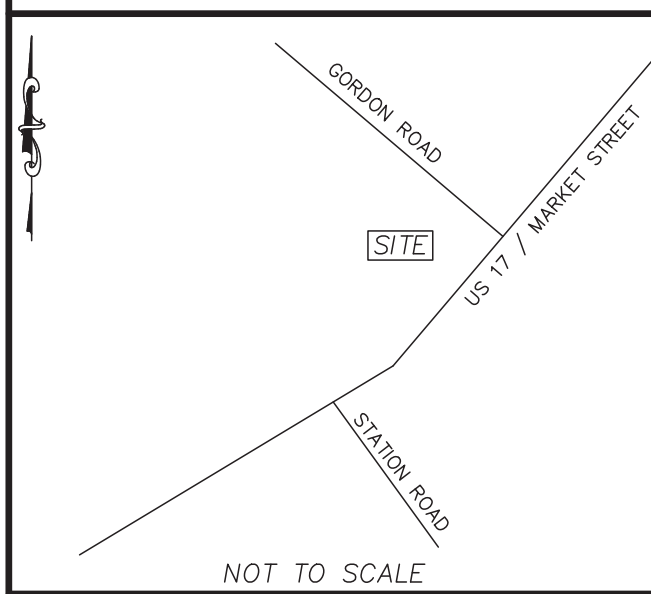


REV. NO.	DATE	BY	REMARKS
3	11/09/22	JSM	REVISED PER CITY OF WILMINGTON TRC COMMENTS
2	9/29/22	JSM	REVISED PER CITY OF WILMINGTON TRC COMMENTS
1	7/19/22	JSM	REVISED PER CITY OF WILMINGTON PRE-TRC COMMENTS

DATE: 6/16/22
 HORZ. SCALE: 1" = 40'
 VERT. SCALE: N/A
 DRAWN BY: JSM
 CHECKED BY: HSR
 PROJECT NO.: 21-0554

Sheet No. **4** of **6**

LOCATION MAP



Quantity	Symbol	Scientific Name	Common Name	Container	Minimum Planting Size	Planting Remarks
20		<i>Prunus serrulata</i>	'Kwanzan' Flowering Cherry	B & B	8 FT HEIGHT	UNDER POWERLINES
6		<i>Quercus virginiana</i>	Southern Live Oak	B & B	2" CAL	CANOPY TREES

Quantity	Symbol	Scientific Name	Common Name	Container	Minimum Planting Size	Planting Remarks
11		<i>Ilex cornuta</i>	Dwarf Burford Holly	3 Gal.	3 FT	STREETYARD
10		<i>Cercis canadensis</i>	American Redbud	B & B	8 FT HEIGHT	STREETYARD

Quantity	Symbol	Scientific Name	Common Name	Container	Minimum Planting Size	Planting Remarks
5		<i>Buxus microphylla</i>	SPRINTER BOXWOOD	3 Gal.	24 IN	PARKING LOT
153		<i>Ilex cornuta</i>	Dwarf Burford Holly	3 Gal.	24 IN	PARKING LOT
9		<i>Quercus virginiana</i>	Southern Live Oak	B & B	2" CAL	CANOPY TREES
4		<i>Cornus florida</i>	Flowering Dogwood	B & B	8 FT	UNDER POWERLINES

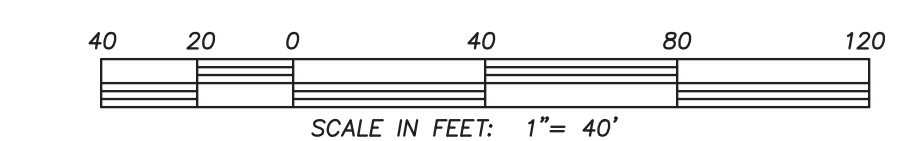
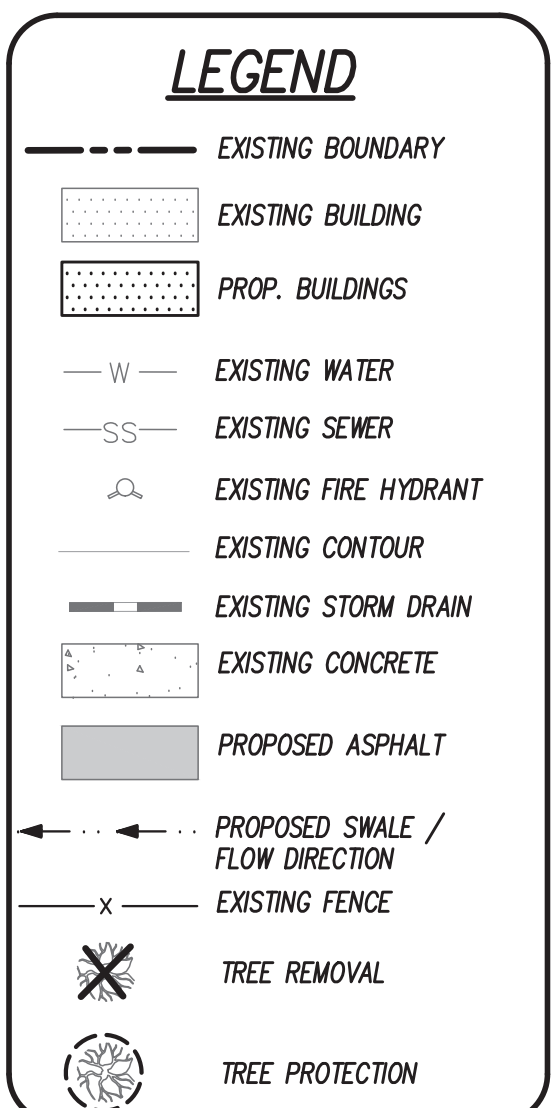
Quantity	Symbol	Scientific Name	Common Name	Container	Minimum Planting Size	Planting Remarks
6		<i>Myrica cerifera</i>	Wax Myrtle	7 Gal.	8 FT	DUMPSTER SCREEN

Quantity	Symbol	Scientific Name	Common Name	Container	Minimum Planting Size	Planting Remarks
10		<i>Buxus microphylla</i>	SPRINTER BOXWOOD	3 Gal.	24 IN	

Quantity	Symbol	Scientific Name	Common Name	Container	Minimum Planting Size	Planting Remarks
40		<i>Buxus microphylla</i>	SPRINTER BOXWOOD	3 Gal.	24 IN	
17		<i>Juniperus horizontalis</i>	BLUE RUG JUNIPER	1 Gal.	4 IN	

LANDSCAPE CALCULATIONS:

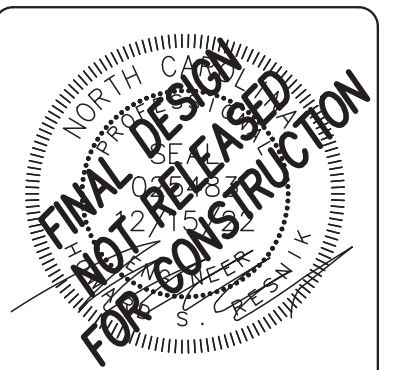
- REQUIREMENTS PER LANDSCAPING EXPANSION TABLE (SEC. 18-326)
 - GENERAL TREE REQUIREMENT: 15 TREES PER DISTURBED ACRE; 1.14 AC * 15 = 21.0 OR 21 TREES REQ'D
 - STREETYARD LANDSCAPING [SEC. 18-319] AS FOLLOWS:
 - THREE (3) UNDERSTORY TREES FOR EVERY ONE HUNDRED (100) FEET OF PROPERTY FRONTAGE (UNDERSTORY TREES IN LIEU OF CANOPY TREES PER OVERHEAD UTILITY LINES)
 - SIX (6) UNDERSTORY TREES FOR EVERY ONE HUNDRED (100) FEET OF PROPERTY FRONTAGE
 - NINE (9) SHRUBS FOR EVERY ONE HUNDRED (100) FEET OF PROPERTY FRONTAGE
 - 150 FT FRONTAGE = 35 FT DRIVEWAY; (114 FT / 100 = 1.14) UNDERSTORY TREES PROVIDED: 3; (2 * 1.14 = 2.28) UNDERSTORY TREES PROVIDED: 2; (6 * 1.14 = 6.84) SHRUBS PROVIDED: 11; (9 * 1.14 = 10.26)
 - PARKING LOT LANDSCAPING: [SEC. 18-321]
 - 1 CANOPY TREE AND SHRUBBERY * 8 INTERIOR PARKING ISLANDS
 - 8 CANOPY TREES AND SHRUBS REQ'D;
 - CANOPY TREES / SHADE TREES PLACED THROUGHOUT PARKING AREA TO AVOID CONFLICT WITH DESIGNED UTILITIES.
 - FOUNDATION LANDSCAPING: [SEC. 18-322]
 - 2,400 SF BLDG FACE * 12% = 288 SF REQ'D FOUNDATION LANDSCAPING. 290 SF FOUNDATION LANDSCAPING PROVIDED.
 - 2,070 SF BLDG FACE * 12% = 248 SF REQ'D FOUNDATION LANDSCAPING. 259 SF FOUNDATION LANDSCAPING PROVIDED.
 - 1,000 SF BLDG FACE * 12% = 120 SF REQ'D FOUNDATION LANDSCAPING. 250 SF FOUNDATION LANDSCAPING PROVIDED.
 - 1,000 SF BLDG FACE * 12% = 120 SF REQ'D FOUNDATION LANDSCAPING. 250 SF FOUNDATION LANDSCAPING PROVIDED.
 - PARKING AREA SHADE CALCULATIONS: [SEC. 18-318]
 - 17,347 SF PROPOSED PARKING AREA; 20% SHADE REQ'D; 17,347 * 0.2 = 3,469.4 SF OF REQ'D SHADE. 3,062 SF OF SHADE AREA PROVIDED AT MATURITY.
 - TREES & SHRUBS IN THE SETBACK AREA SHALL BE MAINTAINED BY THE OWNER TO ENSURE THAT THE MATERIAL LIVES & PROSPERS.
 - PARKING AREA SCREENING: SHRUBBERY AND EXISTING PERIMETER FENCING PROVIDED FOR MAXIMUM OPACITY OF VEHICLE HEADLIGHTS.



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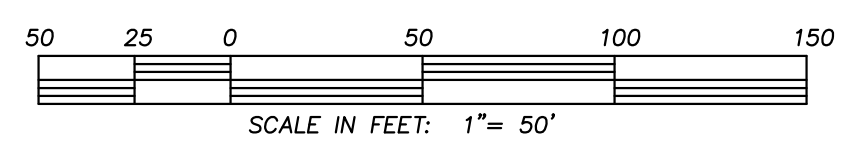
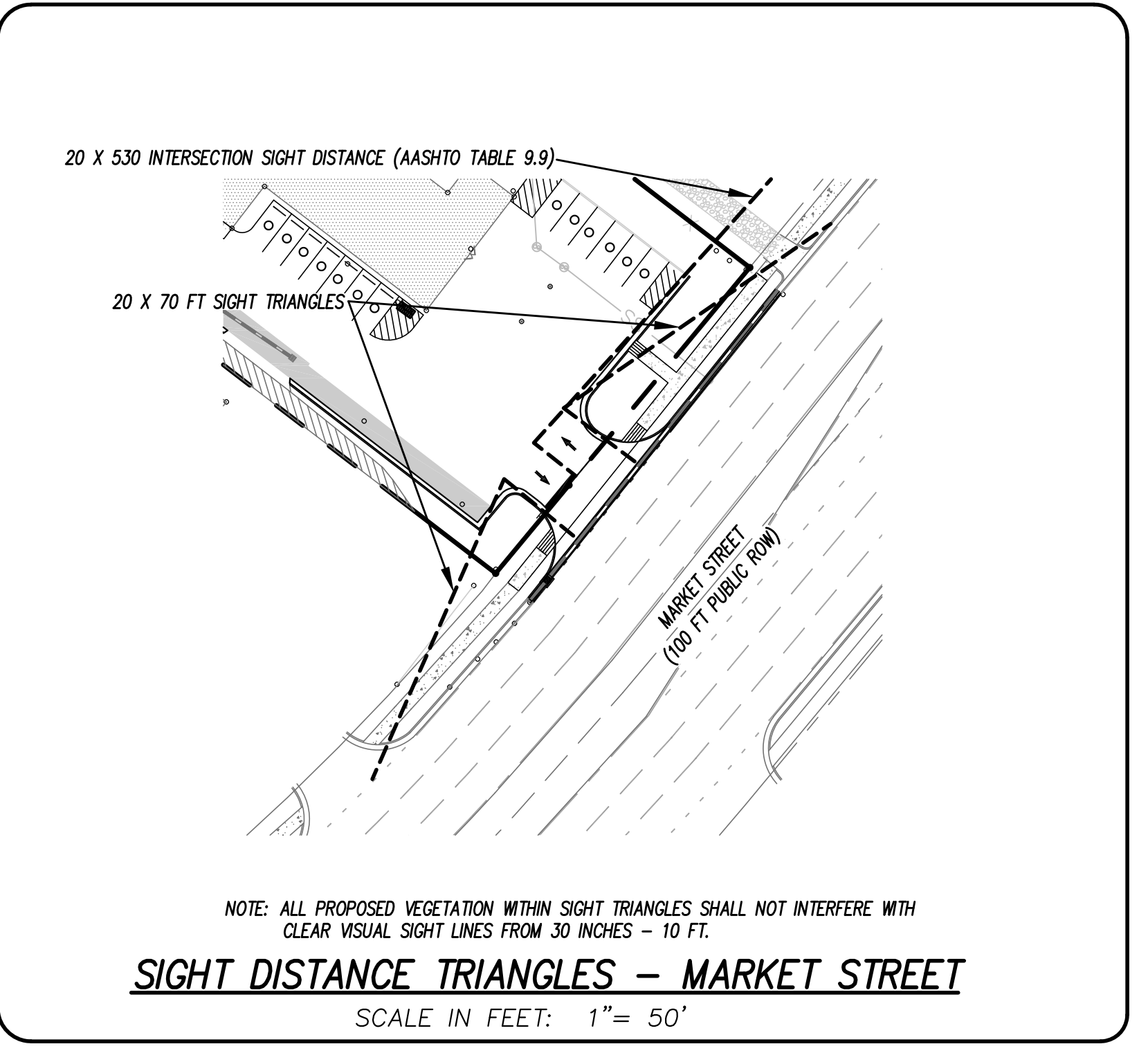
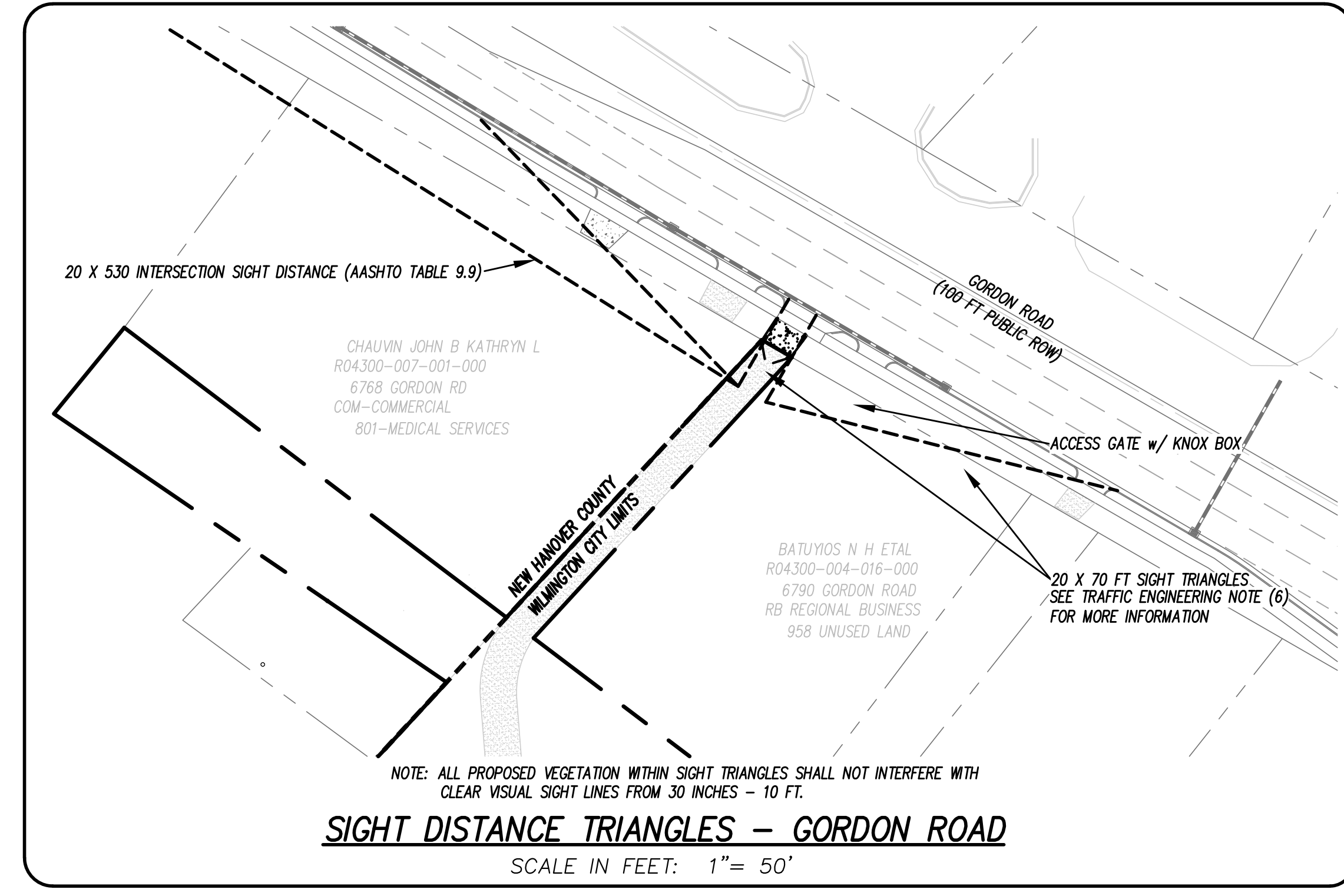
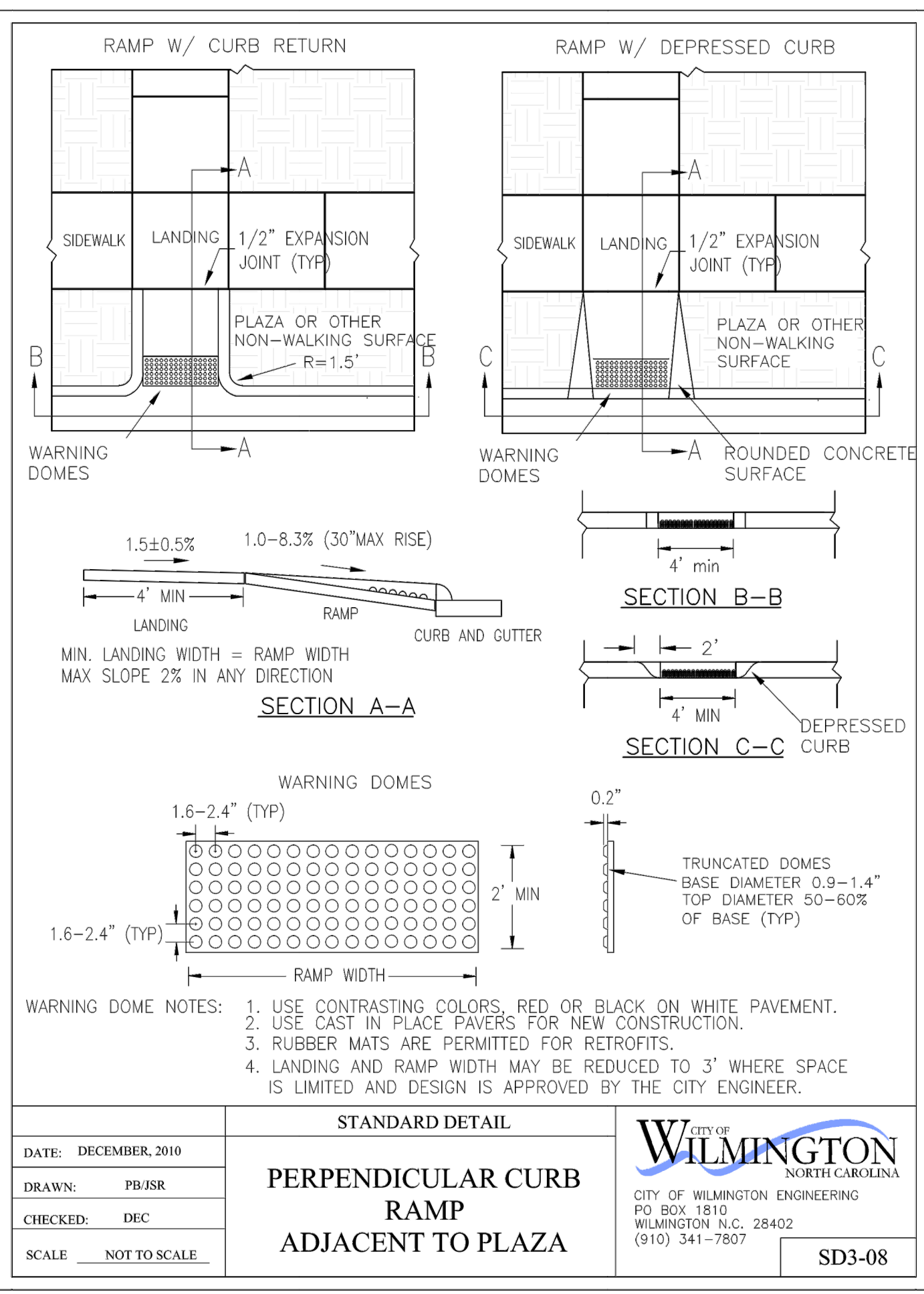
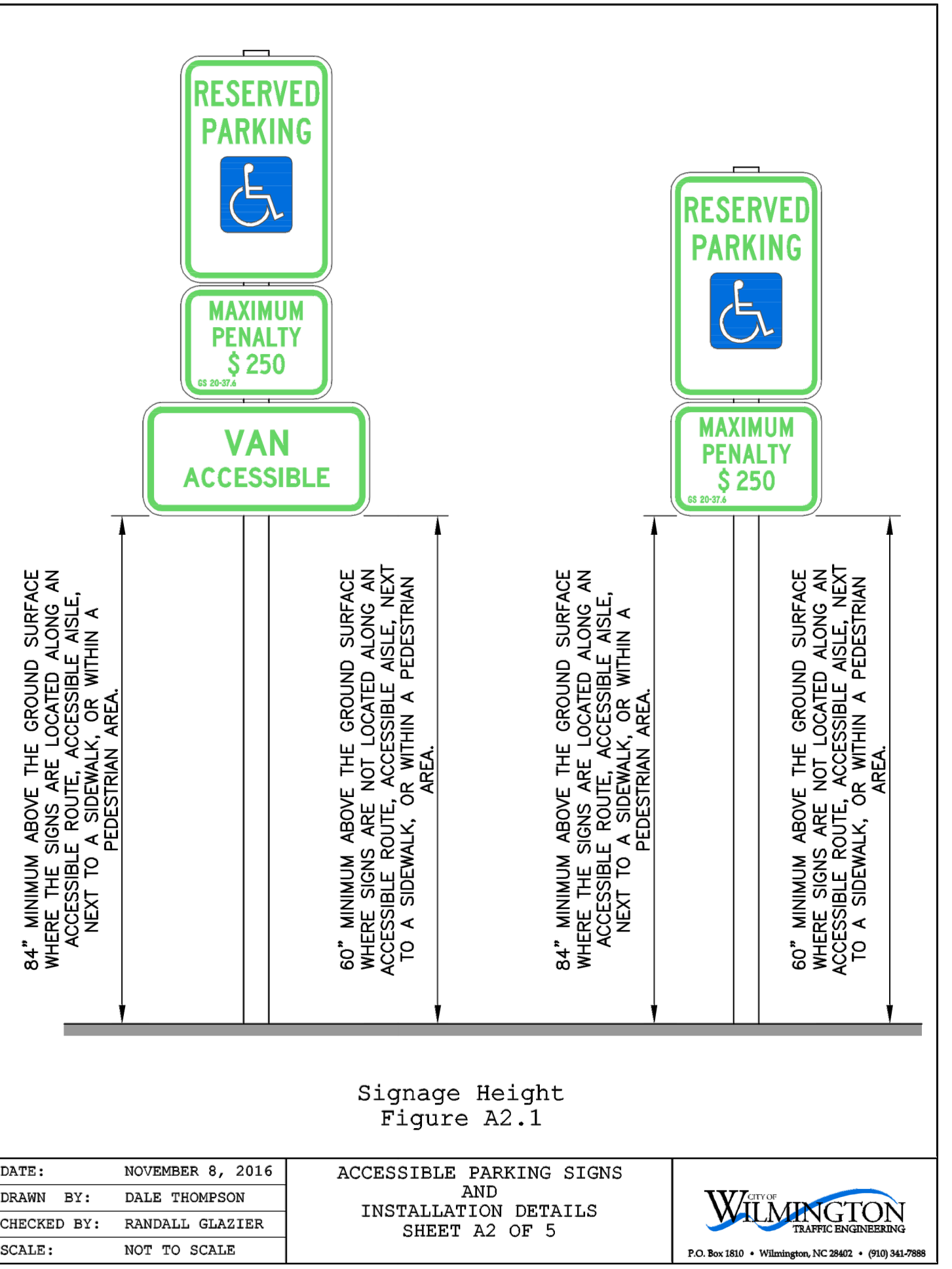
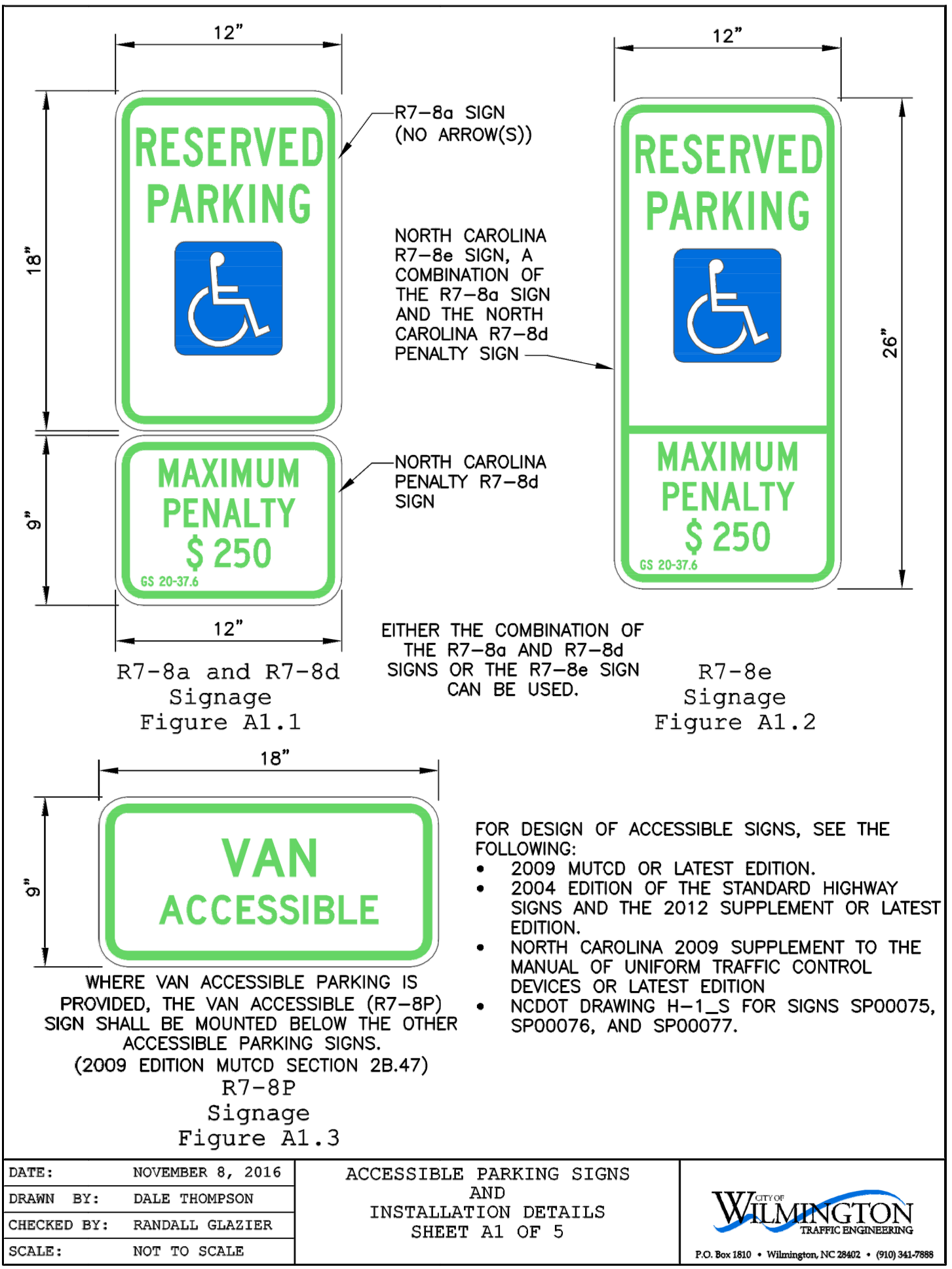
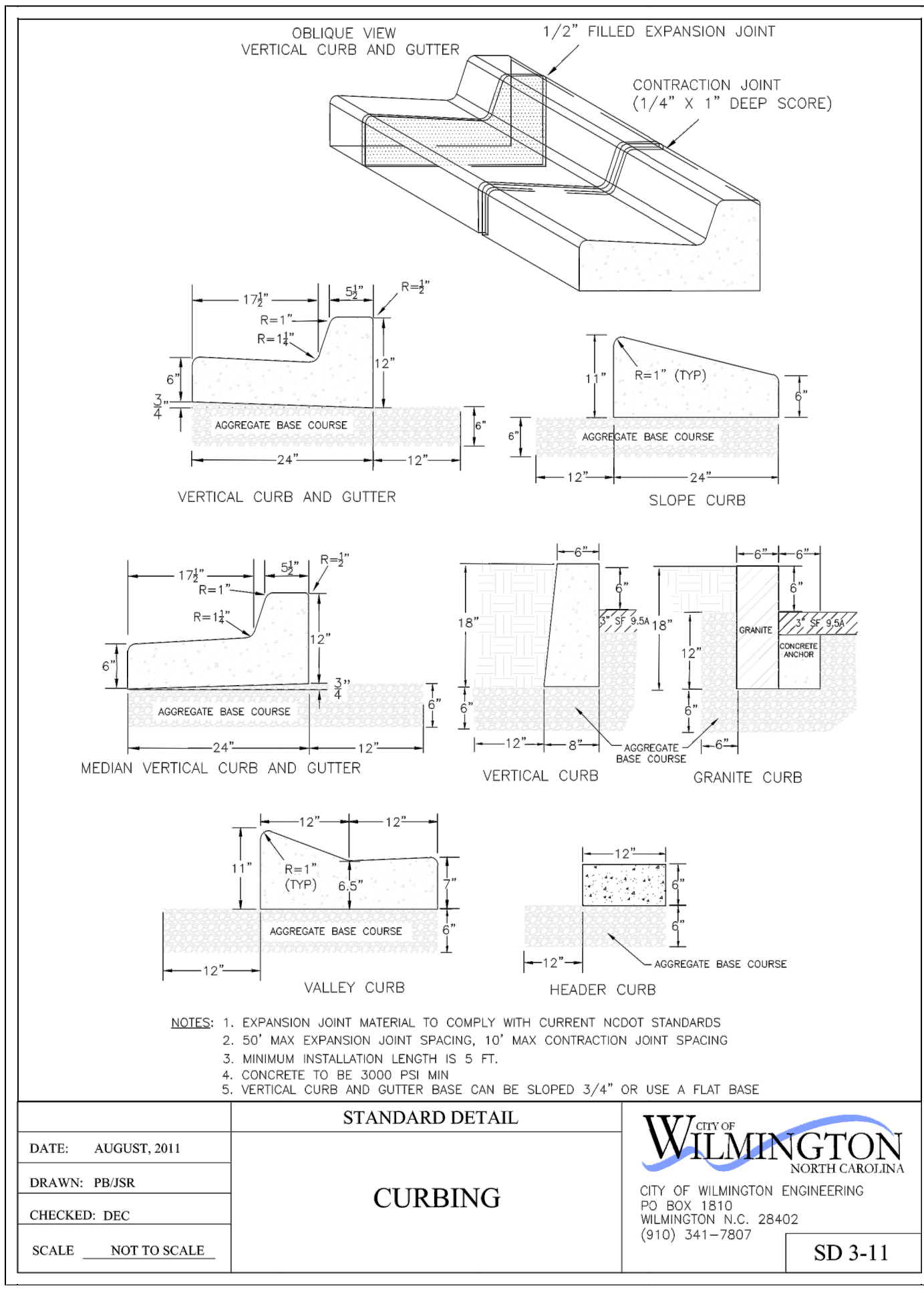
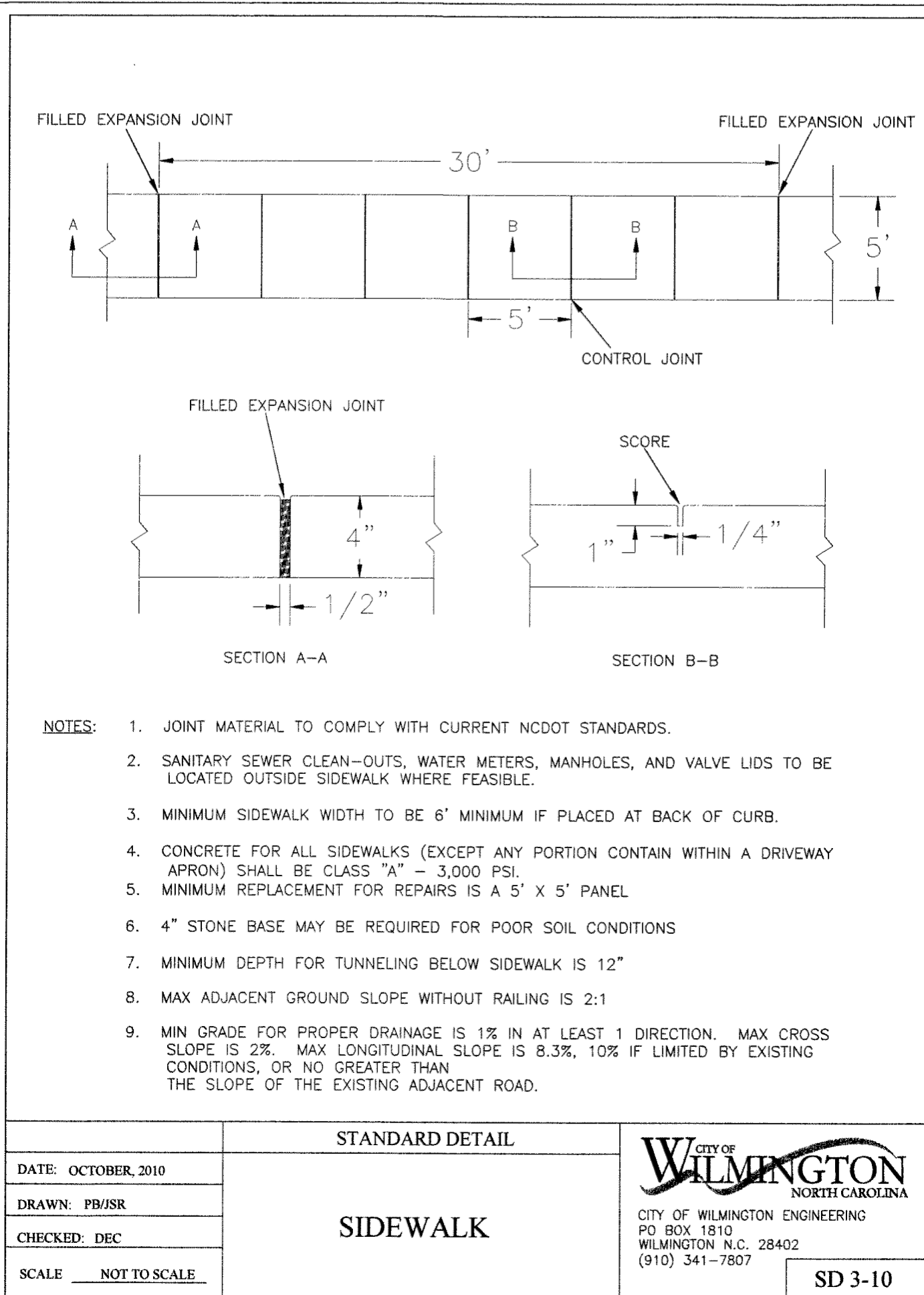
LANDSCAPING PLAN for
WILMINGTON POWERSPORTS

SITE PLAN for
WILMINGTON POWERSPORTS
 LOCATED IN CITY OF WILMINGTON
 NEW HANCOCK COUNTY, NORTH CAROLINA
 OWNER: WPS HOLDINGS, LLC
 3549 COVERGROVE ISLAND DRIVE
 DENVER, NC 28037



REV.	NO.	DATE	BY	REMARKS
1	1	12/15/22	JSM	REVISED PER CITY OF WILMINGTON TRC COMMENTS
2	2	11/09/22	JSM	REVISED PER CITY OF WILMINGTON TRC COMMENTS
3	3	9/29/22	JSM	REVISED PER CITY OF WILMINGTON TRC COMMENTS
4	4	7/19/22	JSM	REVISED PER CITY OF WILMINGTON TRC COMMENTS

DATE: 6/16/22
 HORZ. SCALE: 1" = 40'
 VERT. SCALE: N/A
 DRAWN BY: JSM
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 PROJECT NO.: 21-0554



CSD ENGINEERING
 LICENSE # C-2710
 ENGINEERING
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 WILMINGTON, NC 28406
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SITE DETAILS
 for
WILMINGTON POWERSPORTS

WILMINGTON POWERSPORTS
 LOCATED IN CITY OF WILMINGTON
 NEW HANOVER COUNTY, NORTH CAROLINA
 OWNER: WPS HOLDINGS, LLC
 3549 GOVERNORS ISLAND DRIVE
 DENVER, NC 28037

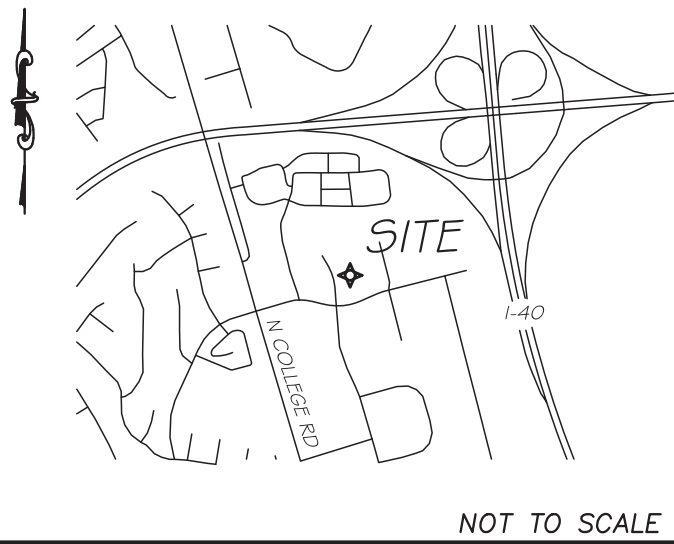
SEAL
 025483
 6/27/23
 NORTH CAROLINA PROFESSIONAL ENGINEER

REV. NO.	DATE	BY	REMARKS
4	6/27/23	JSM	REVISED SITE ACCESS RATE
3	12/16/22	JSM	ADDED SIGHT DISTANCE TRIANGLES NEWS TO SHEET
2	1/10/22	JSM	SCALED
1	7/18/22	JSM	REVISED PER CITY OF WILMINGTON PRE-TRC COMMENTS

DATE: 6/16/22
 HORZ. SCALE: 1" = 50'
 VERT. SCALE: N/A
 DRAWN BY: JSM
 CHECKED BY: HSR
 PROJECT NO.: 21-0554

Sheet No. **6** of **6**

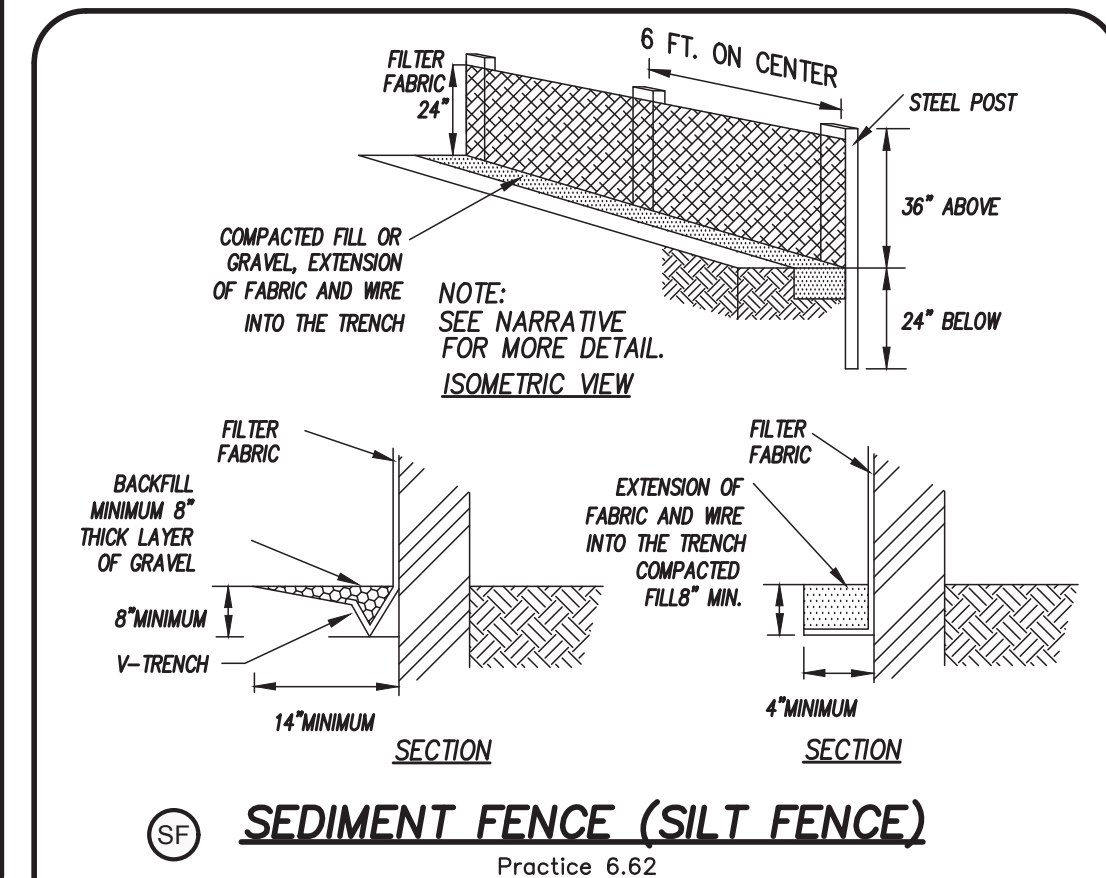
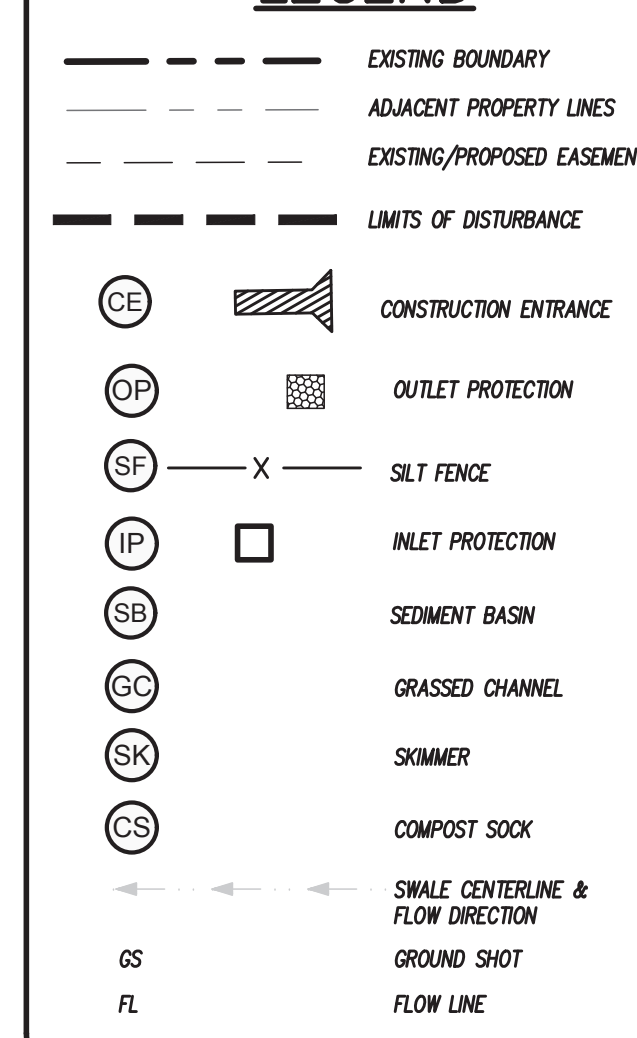
LOCATION MAP



PLANNED EROSION AND SEDIMENT CONTROL PRACTICES

- TEMPORARY GRAVEL CONSTRUCTION ENTRANCE**
Practice 6.06
SHALL BE INSTALLED AT THE ENTRANCES TO THE PROJECT FROM AN EXISTING ROADWAY. DRAINAGE SHOULD BE AWAY FROM THE ROAD AND EROSION WILL BE CONTROLLED WITH DOWNSTREAM PRACTICES. DURING WET WEATHER IT MAY BE NECESSARY TO WASH TRUCK TIRES AT THESE LOCATIONS.
- LAND GRADING**
Practice 6.02
GRADING SHOULD BE LIMITED TO AREAS AS SHOWN ON THE PLANS. CUT AND FILL SLOPES SHALL BE 3:1 OR FLATTER EXCEPT WHERE SPECIFICALLY INDICATED. CARE SHALL BE TAKEN DURING LAND GRADING ACTIVITIES NOT TO DAMAGE EXISTING TREES THAT ARE IDENTIFIED AS "TO BE PRESERVED".
- SEDIMENT FENCE**
Practice 6.62
SEDIMENT FENCING SHOULD BE INSTALLED AS SHOWN ON THE PLAN, TO DELINEATE AND PROTECT WETLANDS AND SPEEDWAY AREAS, AND AROUND ANY TEMPORARY STOCKPILE AREAS AS NECESSARY TO PREVENT ANY GRADED INTERIOR AREAS FROM ERODING ONTO ADJACENT LANDS OR ROADWAY, OR INTO INLETS, OR AS DIRECTED BY ENGINEER.
- CONSTRUCTION ROAD STABILIZATION**
Practice 6.80
UPON REACHING FINAL GRADE AND AFTER UTILITIES HAVE BEEN INSTALLED, ROADWAY/PARKING AREAS ARE TO BE STABILIZED BY PLACING SUB-BASE AS SHOWN IN THE TYPICAL STREET CROSS-SECTION DETAIL ON THE PLAN, TO REDUCE EROSION AND DUST DURING THE REMAINDER OF BUILDING CONSTRUCTION.
- SKIMMER**
Practice 6.64
A SEDIMENTATION BASIN DEWATERING CONTROL DEVICE THAT WITHDRAWS WATER FROM THE BASINS WATER SURFACE, THUS REMOVING THE HIGHEST QUALITY WATER FOR DELIVERY TO THE UNCONTROLLED ENVIRONMENT.
- INLET PROTECTION**
Practice 6.51
STORM SEWER INLET BARRIERS OF WIRE MESH HARDWARE CLOTH AROUND STEEL POST SUPPORTING WASHED STONE PLACED AROUND OPENING OF A DROP INLET.
- GRASS-LINED CHANNELS**
Practice 6.30
ALL OVERFLOW SWALES TO BE GRADED TO DESIGN CONFIGURATION LINED WITH CENTIPEDE SOD, TO COLLECT AND CONVEY SITE WATER AS SHOWN ON PLAN. AFTER FINAL PROJECT STABILIZATION, SWALES TO BE RE-GRADED, CLEANED OF SILTATION AND LINED WITH CENTIPEDE SOD TO ESTABLISH ORIGINAL DESIGN CONTOURS FOR STORMWATER CONVEYANCE.
- OUTLET STABILIZATION**
Practice 6.41
RIPRAP APRONS WILL BE LOCATED AT THE DOWNSTREAM END OF ALL DISCHARGE PIPES TO PREVENT SCOUR.
- COMPOST SOCK**
A 3-D TUBULAR CHECK DAM DEVICE USED IN STORMWATER DRAINAGE DITCHES ON/NEAR LAND DISTURBING ACTIVITIES TO SLOW CONCENTRATED DIRECTIONAL FLOW VELOCITY OF STORM WATER RUNOFF.

LEGEND



STORMWATER DRAINAGE STRUCTURE NOTES

- CONTRACTOR AND PRECASTER TO DETERMINE STORM BOX STRUCTURE SIZES.
- FRAME AND GRATES TO BE NCDOT STD 840.16 OR EQUIV.
- RING AND COVERS TO BE NCDOT STD. 840.54 OR EQUIV.
- PRECAST STORM STRUCTURES TO MEET HS-20-44 LOADING.
- DIW-HDPE = DOUBLE WALL HDPE - ADS N-12 OR EQUAL

TEMPORARY SEDIMENT BASIN SUMMARY

MIN. BASIN VOL. = 1,800 CF/ACRE DISTURBED AREA (10 YR. STORM)

$Q = (0.3)(9.7)(A)$
 $SA = Q \times 325$

SEDIMENT DRAINAGE BASIN AREA (ACRES)	DISTURBED AREA (ACRES)	VOLUME (CF)	10 YR FLOW PROVIDED (CF)	MIN. SURFACE AREA (SF)	SURFACE AREA PROVIDED (SF)	SKIMMER SIZE	SKIMMER ORIFICE
1	0.56	1,008	2,153	1.6	530	4.025	1.5

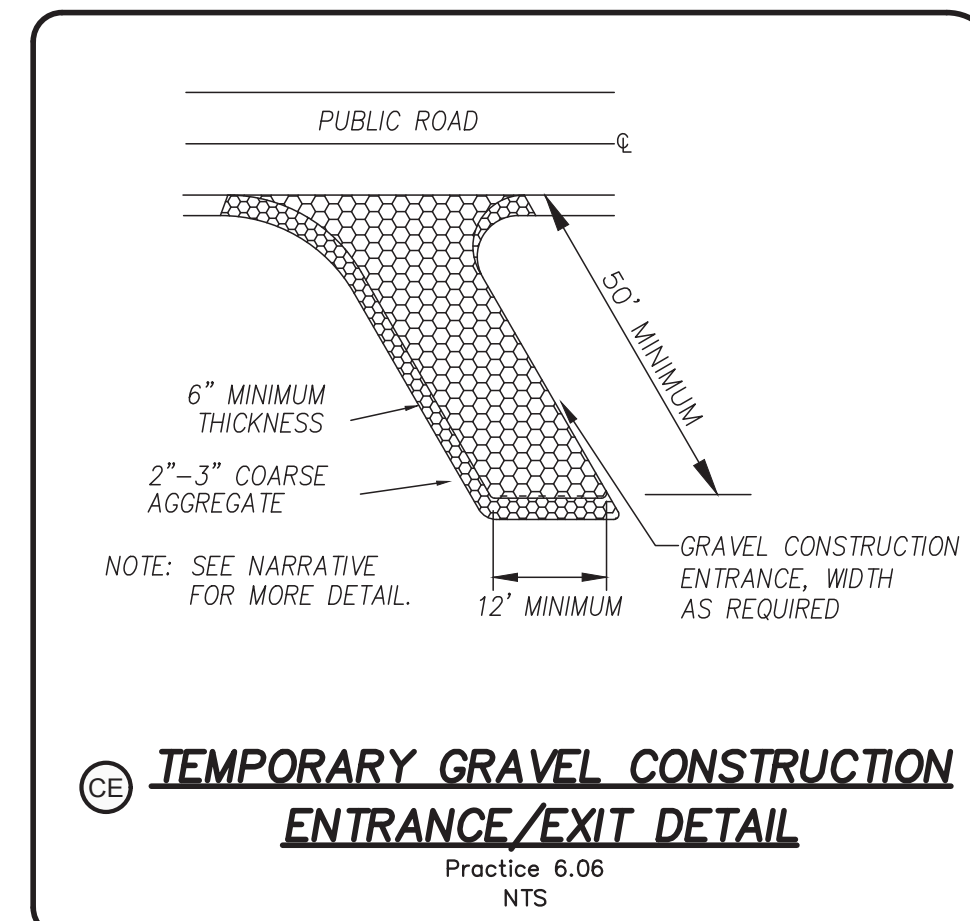
(SEDIMENT MUST BE REMOVED TWICE A YEAR)

NOTES:

- SOIL STABILIZATION TIMEFRAMES**

SITE AREA DESCRIPTION	STABILIZATION	TIMEFRAME EXCEPTIONS
PERIMETER DIKES/SWALES	7 DAYS	NONE
DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY ZONES (HOW)	7 DAYS	IF SLOPES ARE 10 FT 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 30 FT IN LENGTH
ALL OTHER AREAS WITH SLOPES	14 DAYS	NONE, EXCEPT FOR PERIMETER AND FLATTER THAN 4:1 HOW ZONES

 - DERIVED AREAS MUST BE STABILIZED WITHIN FIFTEEN (15) WORKING DAYS OF CEASE OF ANY PHASE OF ACTIVITY. ALL SLOPES MUST BE STABILIZED WITHIN TWENTY-ONE (21) CALENDAR DAYS OF CEASE OF ANY PHASE OF ACTIVITY. THIS INCLUDES SLOPES, SWALES, CHANNELS AND STOCKPILES.
 - THIS PLAN TO BE UTILIZED AND REVIEWED ONLY IN CONJUNCTION WITH THE WRITTEN NARRATIVE, WHICH IS AN INTEGRAL PART OF THIS EROSION AND SEDIMENT CONTROL PLAN.
 - ALL SLOPES SHALL BE 3:1 OR FLATTER.
 - NO IMPERVIOUS SEBACKS FROM WETLANDS REQUIRED.
 - 0.0 ACRES OF WETLANDS WITHIN PROJECT BOUNDARY.
 - BOUNDARY, TOPOGRAPHIC AND AS-BUILT SURVEY PERFORMED BY X SURVEYING.
 - ELEVATION DATUM: NAVD 88
 - LIMITS OF DISTURBANCE = 34,202 SF (0.78 ACRES)
 - STORM WATER DRAINS TO SMITH CREEK (C.S.W. 18-74-63) IN THE CAPE FEAR RIVER BASIN.
 - NO SURFACE WATERS ARE FOUND ON PROPERTY AND NO SURFACE WATERS SEBACKS ARE ON ADJACENT PROPERTY THAT WOULD AFFECT THIS PROJECT.
 - PROJECT AREA = 34,289 SF - ALL OF PARCEL R02612-002-000 AND A PORTION OF PARCEL R02612-002-000-000.
 - ALL IMPERVIOUS WITHIN POND DRAINAGE AREA TO BE DIRECTED TO THE POND.

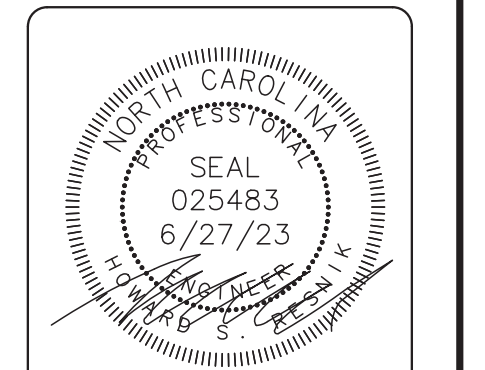


- CONSTRUCTION SCHEDULE**
- OBTAIN APPROVAL OF PLAN AND ANY NECESSARY PERMITS, AND HOLD A PRE-CONSTRUCTION CONFERENCE PRIOR TO COMMENCING ANY WORK.
 - FLAG WORK LIMITS AND STAKE-OUT PARKING AREA, BUILDING PAD STORM DRAIN BOXES AND SEDIMENT BASIN FOR PRELIMINARY GRADING.
 - INSTALL GRAVEL CONSTRUCTION ENTRANCES.
 - INSTALL SILT FENCING PRIOR TO ROUGH GRADING THE REMAINING SITE AND ANY STOCKPILING OF MATERIAL AND TOPSOIL NECESSARY.
 - CONSTRUCT SWALES, GRASS LINED CHANNELS, INSTALL SKIMMER AND ANY OTHER SEDIMENT CONTROL PRACTICES SHOWN, PRIOR TO ROUGH GRADING ROADWAYS AND SITE STOCKPILING TOPSOIL AS NECESSARY.
 - INSTALL UTILITIES IN ROADWAY, ESTABLISH FINAL ROAD GRADES AND STABILIZE ROAD WITH STONE BASE COURSE.
 - FINAL GRADE, INSTALL NON-MUNICIPAL UTILITIES AS NEEDED, AND VEGETATIVELY STABILIZE AREAS WHERE BUILDING CONSTRUCTION IS NOT IMMINENT.
 - ALL EROSION AND SEDIMENT CONTROL PRACTICES ARE TO BE INSPECTED WEEKLY AND AFTER ANY RAINFALL, AND REPAIRED AS NECESSARY.
 - UPON COMPLETION OF CONSTRUCTION, THE ROADWAY IS TO BE PAVED AND ALL AREAS PERMANENTLY VEGETATIVELY STABILIZED. AFTER SITE STABILIZATION, TEMPORARY MEASURES ARE TO BE REMOVED.

- MAINTENANCE PLAN**
- (GENERAL NOTES, NOT ALL ITEMS ARE APPLICABLE TO THIS PROJECT)
- 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 0.5" RAINFALL.
 - ALL POINTS OF EGRESS WILL HAVE CONSTRUCTION ENTRANCES THAT WILL PERIODICALLY TOP-DRESS WITH AND ADDITIONAL 2 INCHES OF #4 STONE TO MAINTAIN PROPER DEPTH. THEY WILL BE MAINTAINED IN A CONDITION TO PREVENT MID OR SEDIMENT FROM LEAVING THE SITE. IMMEDIATELY REMOVE OBJECTIONABLE MATERIAL SPILLED, WASHED OR TRACKED ONTO THE CONSTRUCTION ENTRANCE OR ROADWAYS.
 - SEDIMENT WILL BE REMOVED FROM HARDWARE CLOTH AND GRAVEL INLET PROTECTION, BLOCK AND GRAVEL INLET PROTECTION, ROCK DOORHOUT 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 THE ROCK AND HARDWARE CLOTH TO ALLOW PROPER DRAINAGE. SILT SOCKS WILL BE EMPTIED ONCE A WEEK AND AFTER EVERY RAIN EVENT. SEDIMENT WILL BE REMOVED FROM AROUND WATILES, BEAVER DAMS, DANDY SOCKS AND SOCKS ONCE A WEEK AND AFTER RAIN EVENT.
 - DIVERSION DITCHES WILL BE CLEANED OUT IMMEDIATELY TO REMOVE SEDIMENT OR OBSTRUCTIONS FROM THE FLOW AREA. THE DIVERSION RIDGES WILL ALSO BE REPAIRED. SWALES MUST BE TEMPORARILY STABILIZED WITHIN 21 CALENDAR DAYS OF CEASE OF ANY PHASE OF ACTIVITY ASSOCIATED WITH A SWALE.
 - 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 6 FEET MAX. WITH THE USE OF EXTRA STRENGTH FABRIC, WITHOUT WIRE BACKING. STAKE SPACING WILL BE 9 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.
 - SEDIMENT WILL BE REMOVED FROM SEDIMENT TRAPS WHEN THE DESIGNED STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. THE ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS OR THE ROCK IS DISLOADED. 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 1ST BAFFLE. FLOATING SKIMMERS WILL BE INSPECTED WEEKLY AND WILL BE KEPT CLEAN.
 - ALL SEEDING AREAS WILL BE FERTILIZED, RE-SEEDING AS NECESSARY AND MULCHED ACCORDING TO THE SPECIFICATIONS IN THE VEGETATIVE PLAN TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER. ALL SLOPES WILL BE STABILIZED WITHIN 21 CALENDAR DAYS. ALL OTHER AREAS WILL BE STABILIZED WITHIN 15 WORKING DAYS.
 - FLOCCULANTS WILL BE USED TO ADDRESS TURBIDITY ISSUES. THE PUMPS, TANKS, HOSES AND INJECTION SYSTEMS WILL BE CHECKED FOR PROBLEMS OR TURBID DISCHARGES DAILY.
 - ALL SO'S IMPACTED BY SEDIMENTATION AND EROSION CONTROL DURING THE CONSTRUCTION PHASE SHALL BE CLEANED OUT AND CONVERTED TO ITS APPROVED DESIGN STATE.

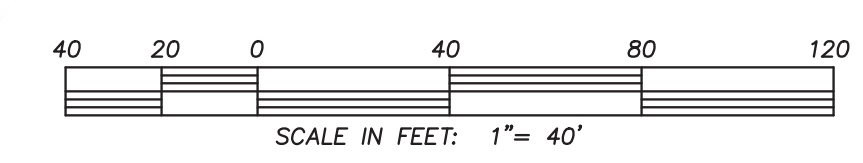
STORMWATER AND EROSION CONTROL PLAN FOR WILMINGTON POWERSPORTS

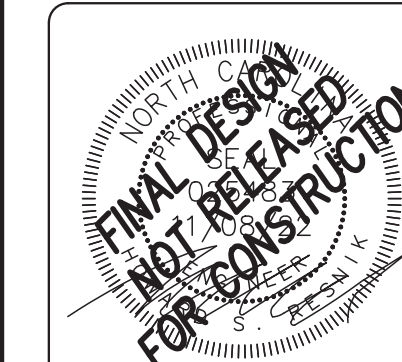
WILMINGTON POWERSPORTS
LOCATED IN CITY OF WILMINGTON
NEW HANOVER COUNTY, NORTH CAROLINA
OWNER: WPS HOLDINGS, LLC
3549 GOVERNORS ISLAND DRIVE
DENVER, NC 28007



REV.	NO.	DATE	REMARKS
1	1	6/17/23	REVISED SITE EGRESS ROUTE
2	2	11/08/22	REVISED PER CITY OF WILMINGTON IRC COMMENTS
3	3	9/29/22	REVISED PER CITY OF WILMINGTON IRC COMMENTS
4	4	7/19/22	REVISED PER CITY OF WILMINGTON IRC COMMENTS

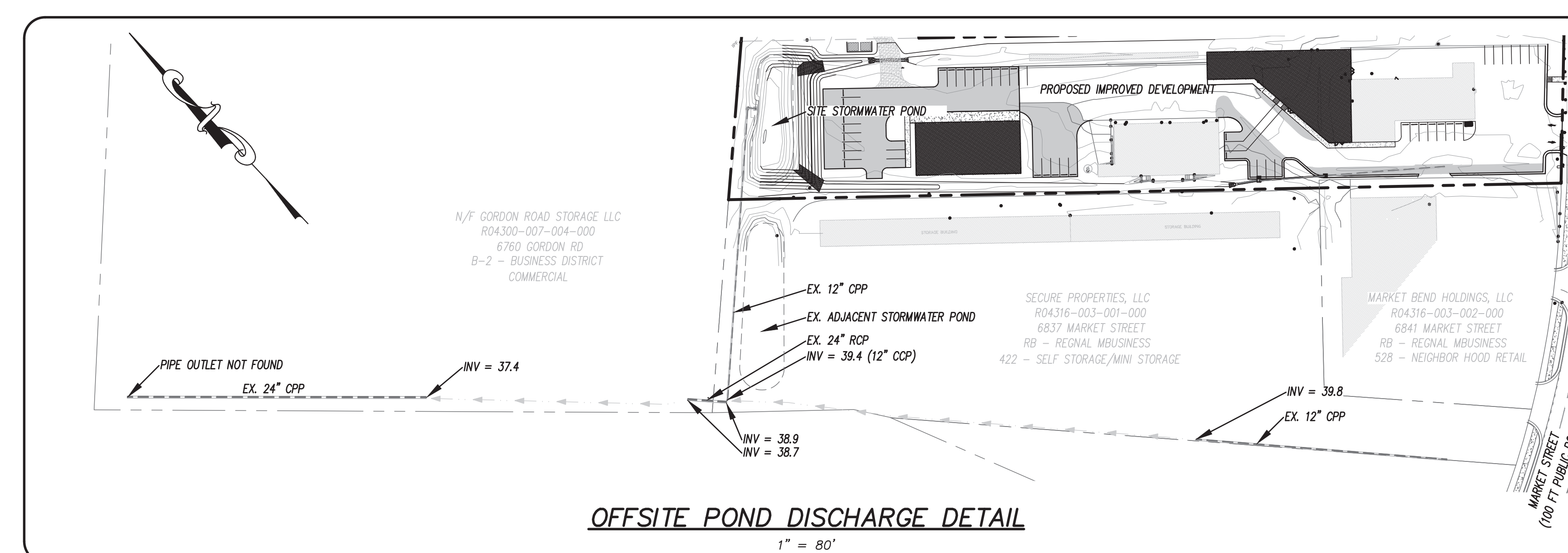
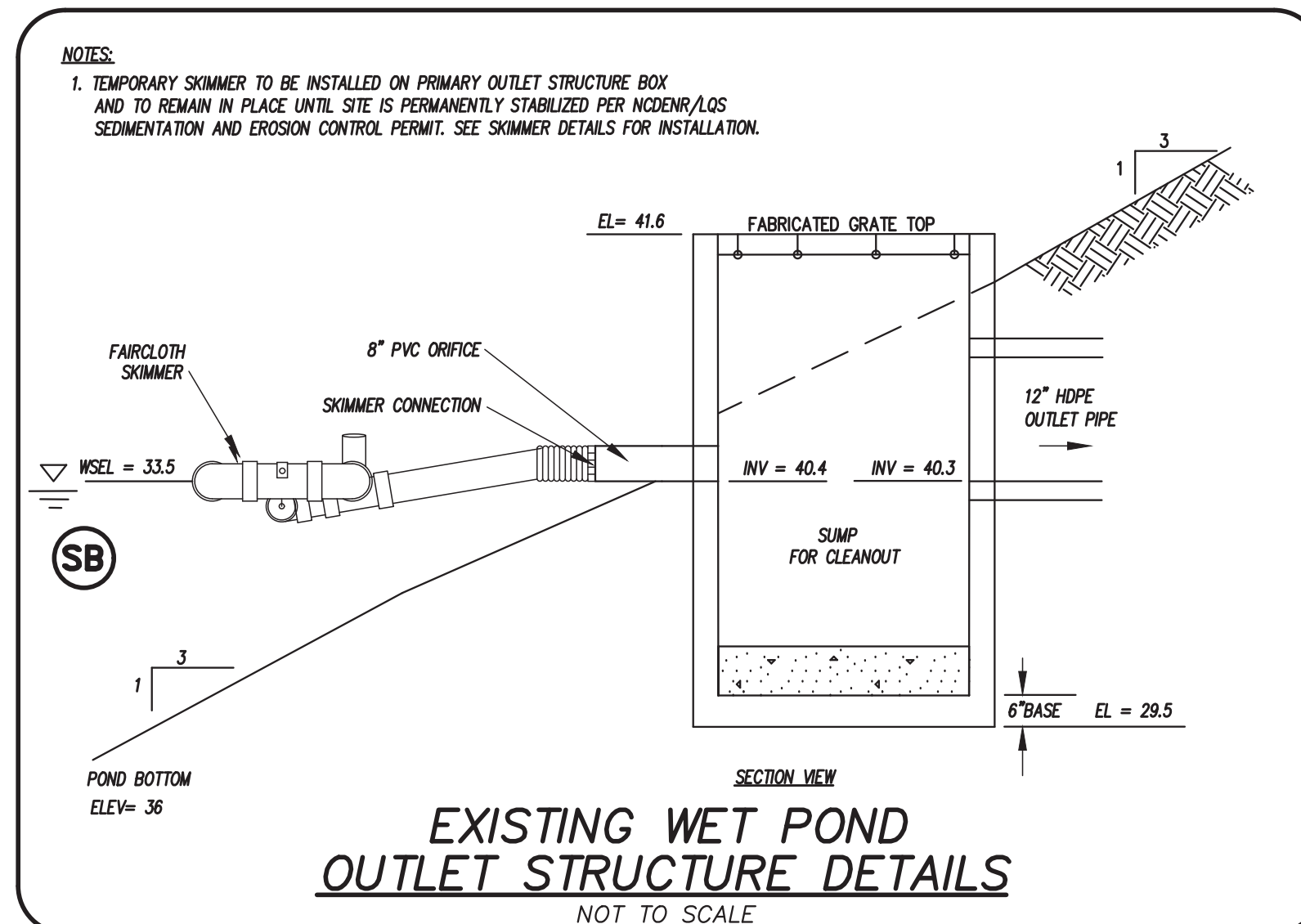
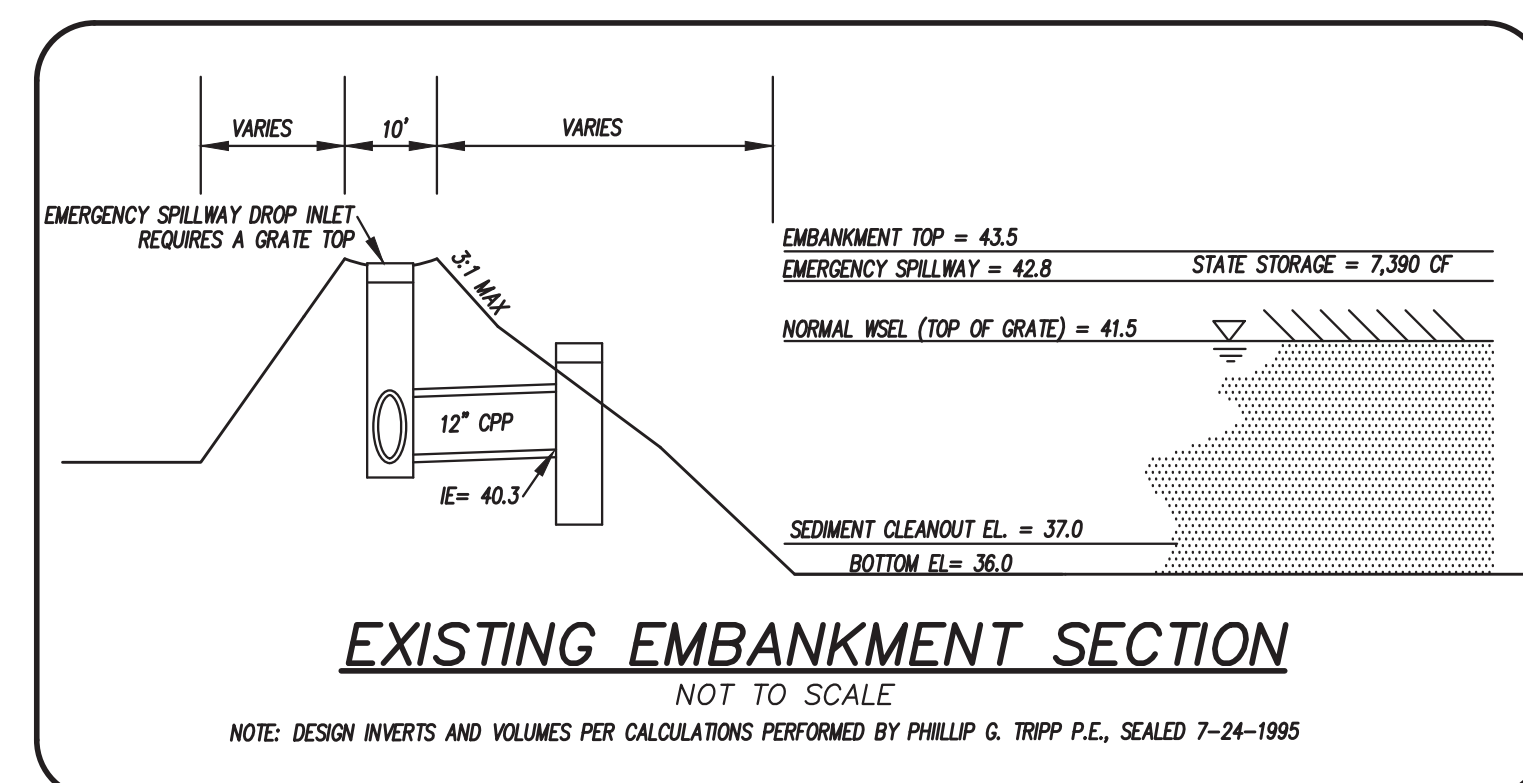
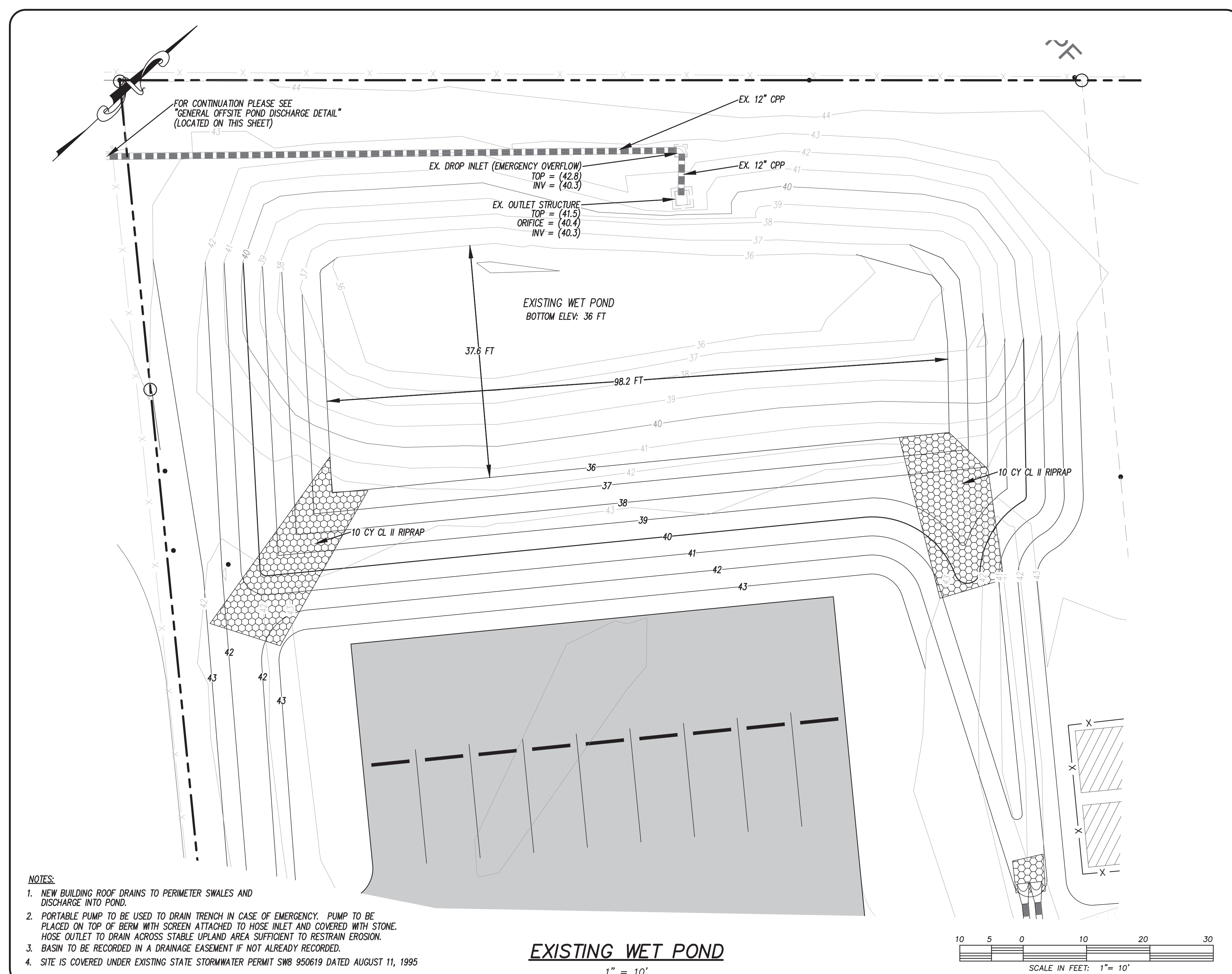
DATE: 6/16/22
 HORZ. SCALE: 1" = 40'
 VERT. SCALE: N/A
 DRAWN BY: JSM
 CHECKED BY: HSR
 PROJECT NO.: 21-0554
 Sheet No. **EC1** of **EC4**





REV.	NO.	DATE	BY	REMARKS
1	1	7/18/22	JSM	REVISED PER CITY OF WILMINGTON IRC COMMENTS
2	2	9/29/22	JSM	REVISED PER CITY OF WILMINGTON IRC COMMENTS
3	3	11/08/22	JSM	REVISED PER CITY OF WILMINGTON IRC COMMENTS

DATE: 6/16/22
HORZ. SCALE: 1" = 20'
VERT. SCALE: N/A
DRAWN BY: JSM
CHECKED BY: HSR
PROJECT NO.: 21-0554



SK

Skimmer Sediment Basin
Specification 6.64.7 - Construction Specifications
MATERIALS

- 1. Clear, grab, and strip the area under the embankment of all vegetation and root material...
2. Ensure that fill material for the embankment is free of roots, woody vegetation, organic matter, and other objectionable material...
3. Shape the basin to the specified dimensions...
4. Place the barrel (typically 4-inch Schedule 40 PVC pipe) on a firm, smooth foundation...
5. Assemble the skimmer following the manufacturer's instructions...
6. Lay the assembled skimmer on the bottom of the basin with the flexible joint at the inlet of the barrel pipe...
7. Earthen spillways - install the spillway in undisturbed soil to the greatest extent possible...
8. Inlets - Discharge water into the basin in a manner to prevent erosion...
9. Erosion control - Construct the structure so that the disturbed area is minimized...
10. After all the sediment-producing areas have been permanently stabilized, remove the structure and all the unstable sediment.

Inspect skimmer sediment basins at least weekly and after each significant (one-half inch or greater) rainfall event and repair immediately...
If the skimmer is clogged with trash and there is water in the basin, usually during or on the day after the skimmer stop up, the skimmer should be cleaned and restore flow.

Check the fabric lined spillway for damage and make any required repairs with fabric that covers the full width of the spillway...
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.

CS

Grass-Lined Channels
Specification # 6.30 - Construction Specifications

- 1. Remove all trees, brush, stumps, and other objectionable material from the foundation area and dispose of properly.
2. Excavate the channel and shape it to meet lines and dimensions shown on the plans plus a 0.2 ft overcut around the channel perimeter to allow for bulking during seeded preparations and soil bulking.
3. Remove and properly dispose of all excess soil so that surface water may enter the channel freely.
4. The procedure used to establish grass in the channel will depend upon the severity of the conditions and selection of species.

Maintenance
During the establishment period, check grass-lined channels every other rainfall. After grass is established, periodically check the channel; check it after every heavy rainfall event. Immediately make repairs. It is particularly important to check the channel outlet and all road crossings for bank stability and evidence of piping or scour holes.

IP

Hardware Cloth & Gravel Inlet Protection
Specification # 6.51 - Construction Specifications

- 1. Uniformly grade a shallow depression approaching the inlet.
2. Drive 5 FT steel post 2 FT into the ground surrounding the inlet.
3. Surround the posts with wire mesh hardware cloth.
4. Place clean gravel (No. 100 # or #57 stone) on a 2:1 slope with a height of 16 inches around the wire, and smooth to an even grade.
5. Once the contributing drainage area has been stabilized, remove accumulated sediment, and establish final grading elevations.
6. Compact the area properly and stabilize it with ground cover.

Maintenance
Inspect inlets at least weekly and after each significant (0.5 in or greater) rainfall event. Clear the mesh wire of any debris or other objects to provide adequate flow for subsequent rains.

Permanent Seeding
Specifications # 6.11 - Specifications

Seedbed Requirements

- Establishment of vegetation should not be attempted on sites that are unsuitable due to inappropriate soil texture (Table 6.11a), poor drainage, concentrated overland flow, or steepness of slope until measures have been taken to correct these problems.
- To maintain a good stand of vegetation, the soil must meet certain minimum requirements as a growth medium.
- Enough fine-grained (silt and clay) material to maintain adequate moisture and nutrient supply (available water capacity of at least .05 inches water to 1 inch of soil).

Soil Conditions
In order to improve the structure or drainage characteristics of a soil, the following material may be added. These amendments should only be necessary where soils have limitations that make them poor for plant growth or for turf establishment (see Chapter 3, Vegetative Considerations).

Species Selection
Use the key to Permanent Seeding Mixtures (Table 6.11b) to select the most appropriate seeding mixture based on the general site and maintenance factors. A listing of species, including scientific names and characteristics, is given in Appendix 8.02.

Seedbed Preparation
Install necessary mechanical erosion and sedimentation control practices before seeding, and complete grading according to the approved plans. Lime and fertilizer needs should be determined by soil tests.

Application rates usually fall into the following ranges:
- Ground agricultural limestone
- Light-textured, sandy soils: 1-1 1/2 tons/acre
- Heavy textured, clayey soils: 2-3 tons/acre
- Fertilizer:
 - Grasses 800-1200 lb/acre of 10-10-10 (or the equivalent)
 - Grass-legume mixtures: 800-1200 lb/acre of 5-10-10 (or the equivalent)

CS

COMPOST SOCK
Specification # 6.66 - Construction Specifications

- 1. MATERIALS USED IN THE COMPOST SOCK MUST MEET THE SPECIFICATIONS OUTLINED ABOVE AND IN PRACTICE 6.18, COMPOST BLANKETS.
2. COMPOST SOCKS SHOULD BE LOCATED AS SHOWN ON THE EROSION AND SEDIMENTATION CONTROL PLAN.
3. PRIOR TO INSTALLATION, CLEAR ALL OBSTRUCTIONS INCLUDING ROCKS, CLODS, AND OTHER DEBRIS GREATER THAN ONE INCH THAT MAY INTERFERE WITH PROPER FUNCTION OF THE COMPOST SOCK.
4. COMPOST SOCKS SHOULD BE INSTALLED PARALLEL TO THE TOE OF A GRADED SLOPE. A MINIMUM OF 10 FEET BEYOND THE TOE OF THE SLOPE, LOCATED BELOW FLAT AREAS SHOULD BE LOCATED AT THE EDGE OF THE LAND-DISTURBANCE. THE ENDS OF THE SOCKS SHOULD BE TURNED SLIGHTLY UP SLOPE TO PREVENT RUNOFF FROM GOING AROUND THE END OF THE SOCKS.
5. FILL SOCK NETTING UNIFORMLY WITH COMPOST TO THE DESIRED LENGTH SUCH THAT LOSS DO NOT BEFALL.
6. OAK OR OTHER DURABLE HARDWOOD STAKES 2" X 2" IN CROSS SECTION SHOULD BE DRIVEN VERTICALLY PLUMB, THROUGH THE CENTER OF THE COMPOST SOCK. STAKES SHOULD BE PLACED AT A MAXIMUM INTERVAL OF 4 FEET, OR A MAXIMUM INTERVAL OF 8 FEET IF THE SOCK IS PLACED IN A 4 INCH TRENCH. SEE FIGURE 6.66B. THE STAKES SHOULD BE DRIVEN TO A MINIMUM DEPTH OF 12 INCHES, WITH A MINIMUM OF 3 INCHES PROTRUDING ABOVE THE COMPOST SOCK.
7. IN THE EVENT STAKING IS NOT POSSIBLE (I.E., WHEN SOCKS ARE USED ON PAVEMENT) HEAVY CONCRETE BLOCKS SHALL BE USED BEHIND THE SOCK TO HOLD IT IN PLACE DURING RUNOFF EVENTS.
8. IF THE COMPOST SOCK IS TO BE LEFT AS PART OF THE NATURAL LANDSCAPE, IT MAY BE SEED AT THE TIME OF INSTALLATION FOR ESTABLISHMENT OF PERMANENT VEGETATION USING THE SEEDING SPECIFICATION IN THE EROSION AND SEDIMENTATION CONTROL PLAN.
9. COMPOST SOCKS ARE NOT TO BE USED IN PERENNIAL OR INTERMITTENT STREAMS.

Maintenance
INSPECT COMPOST SOCKS WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT (1/2 INCH OR GREATER). REMOVE ACCUMULATED SEDIMENT AND ANY DEBRIS. THE COMPOST SOCK MUST BE REPLACED IF CLOGGED OR TORN. IF PONDING BECOMES EXCESSIVE, THE SOCK MAY NEED TO BE REPLACED WITH A LARGER DIAMETER OR A DIFFERENT MEASURE. THE SOCK NEEDS TO BE REINSTALLED IF UNDERMINED OR DISLODGED. THE COMPOST SOCK SHALL BE INSPECTED UNTIL LAND DISTURBANCE IS COMPLETE AND THE AREA ABOVE THE MEASURE HAS BEEN PERMANENTLY STABILIZED.

Temporary Seeding
Specification # 6.10 - Specifications

Complete grading before preparing seedbeds and install all necessary erosion control practices, such as dikes, waterways and basins. Minimize steep slopes because they make seeded preparation difficult and increase the erosion hazard. If soils become compacted during grading, loosen them to a depth of 6-8 inches using a ripper, harrow, or chisel plow.

Seedbed Preparation
Good seedbed preparation is essential to successful plant establishment. A good seedbed is well-pulverized, loose and uniform. Where hydroseeding methods are used, the surface may be left with a more irregular surface of large clods and stones.

Plant Selection
Select appropriate species or species mixture from Table 6.10a, for seeding in late winter and early spring, Table 6.10b for summer, and Table 6.10c for fall.

Seeding
Evenly apply seed using a cyclone seeder (broadcast), drill, outpacer seeder, or hydroseeder. Use seeding rates given in Table 6.10a-6.10c. Broadcast seeding and hydroseeding are appropriate for steep slopes where equipment cannot be driven.

Mulching
The use of appropriate mulch will help ensure establishment under normal conditions and is essential to seeding success under harsh site condition (Practice 6.14, Mulching). Harsh site conditions include:
- seeding in fall for winter cover (wood fiber mulches are not considered adequate for this use),
- slopes steeper than 3:1,
- excessively hot or dry weather,
- adverse soils (shallow, rocky, or high in clay or sand), and
- areas receiving concentrated flow.

Table 6.10a - Temporary Seeding Recommendation for Late Winter and Early Spring
Table 6.10b - Temporary Seeding Recommendation for Summer
Table 6.10c - Temporary Seeding Recommendation for Fall

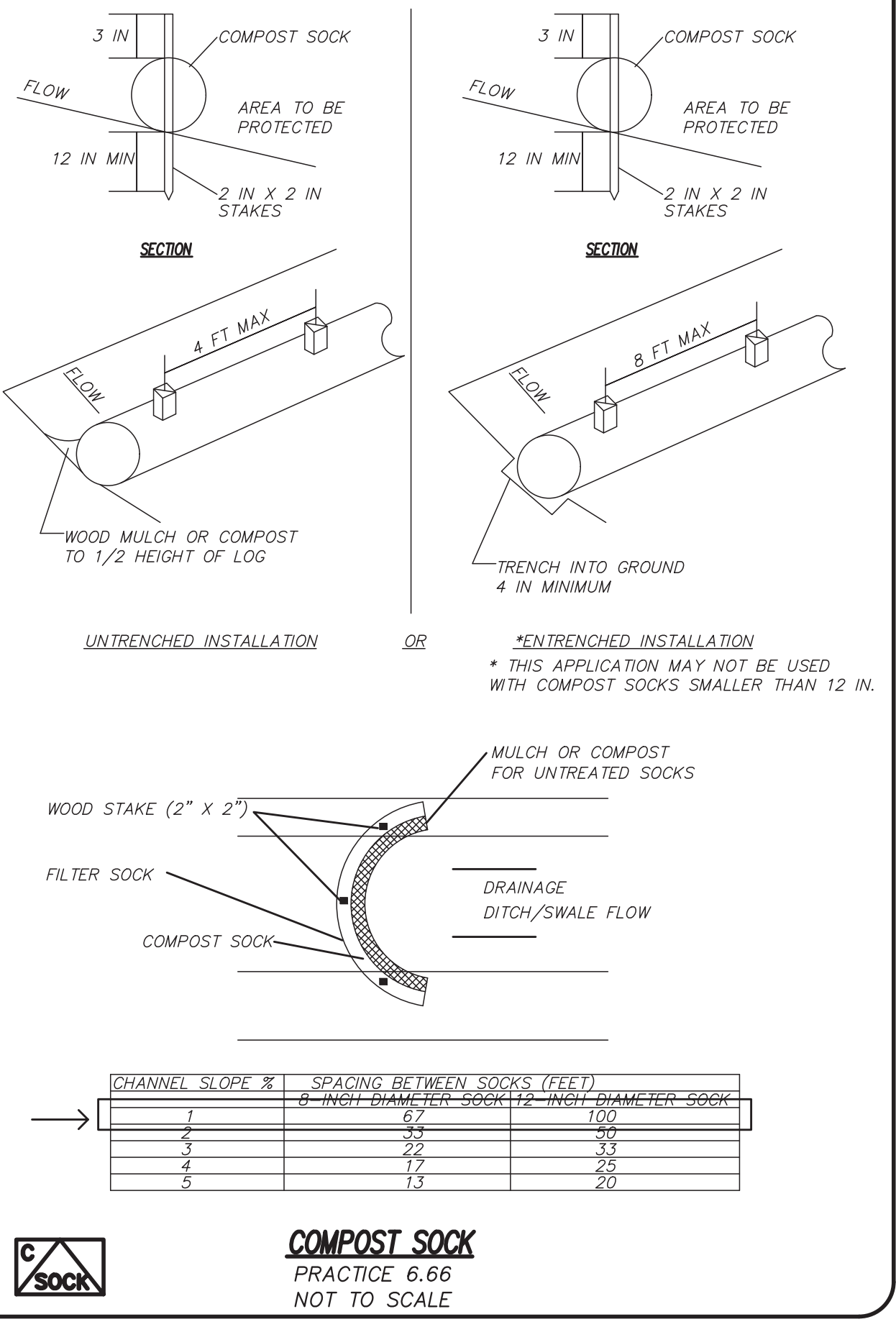


Table with 3 columns: CHANNEL SLOPE %, SPACING BETWEEN SOCKS (FEET), and DIAMETER SOCK. Rows show slopes from 1% to 5% and spacing from 30 to 20 feet.

SE

Sediment Fence (Silt Fence)
Specification 6.62 - Construction Specifications

- 1. Use a synthetic filter fabric or a porous sheet of polypropylene, nylon, polyester, or polyethylene yarn, which is certified by the manufacturer or supplier as conforming to the requirements shown in Table 6.62b.
2. Ensure that posts for sediment fences are 1.33 lb/linear ft steel with a minimum length of 4 ft.
3. For reinforcement of standard strength filter fabric, use wire fence with a minimum 14 gauge and a maximum mesh spacing of 6 inches.

Table 6.62b
Specifications for Sediment Fence Fabric
Physical Property Requirements
Filtering Efficiency - 85% (mm)
Tensile Strength at Standard Strength - 30 lb/in (min)
Extra Strength - 50 lb/in (min)
Slurry Flow Rate - 0.3 gal/sq ft/min (min)

CONSTRUCTION
1. Construct the sediment barrier of standard strength or extra strength synthetic filter fabrics.
2. Ensure that the height of the sediment fence does not exceed 18 inches above the ground surface.
3. Construct the filter fabric from a continuous roll cut to the length of the barrier to avoid joints.

Maintenance
Inspect sediment fences at least once a week and after each rainfall. Make any required repairs immediately. Should the fabric of a sediment fence collapse, tear, decompose or become ineffective, replace it promptly.

Land Grading
Specification # 6.02 - Construction Specifications

- 1. Construct and maintain all erosion and sedimentation control practices and measures in accordance with the approved sedimentation control plan and construction schedule.
2. Remove good topsoil from areas to be graded and filled, and preserve it for use in finishing the grading of all critical areas.
3. Scarify areas to be topsoiled to a minimum depth of 2 inches before placing topsoil (Practice 6.04, Topsoiling).
4. Clear and grub areas to be filled to remove trees, vegetation, roots, or other objectionable material that would affect the planned stability of the fill.
5. Ensure that fill material is free of brush, rubbish, rocks, logs, stumps, building debris, and other materials inappropriate for constructing stable fills.
6. Place all fill in layers not to exceed 9 inches in thickness, and compact the layers as required to reduce erosion, slippage, settlement, or other related problems.
7. Do not incorporate frozen material or soft, muddy, or highly compressible materials into fill slopes.
8. Do not place fill on a frozen foundation, due to possible subsidence and slippage.
9. Keep diversions and other water conveyance measures free of sediment during all phases of development.
10. Handle seeps or springs encountered during construction in accordance with approved methods (Practice 6.81, Subsurface Drain).
11. Permanently stabilize all graded areas immediately after final grading is completed on each area in the grading plan.
12. Ensure that topsoil stockpiles, borrow areas, and spoil areas are adequately protected from erosion with temporary and final stabilization measures, including sediment fencing and temporary seeding as necessary.

Maintenance
Periodically check all graded areas and the supporting erosion and sedimentation control practices, especially after heavy rainfalls. Promptly remove all sediment from diversions and other water-disposal practices. If washouts or breaks occur, repair them immediately.

Temporary Gravel Construction Entrance/Exit
Specification # 6.06 - Construction Specifications

- 1. Clear the entrance and exit area of all vegetation, roots and other objectionable material and properly grade it.
2. Place the gravel to the specific grade and dimensions shown on the plans and smooth it.
3. Provide drainage to carry water to a sediment trap or other suitable outlet.
4. Use geotextile fabrics because they improve stability of the foundation in locations subject to seepage or high water table.

Maintenance
Maintain the gravel pad in a condition to prevent mud or sediment from leaving the construction site. This may require periodic treading with 2-inch stone. After each rainfall, inspect any structure used to trap sediment and clean it out as necessary.

CSD ENGINEERING
LICENSE # C-2710
ENGINEERING
LAND PLANNING
COMMERCIAL / RESIDENTIAL
P.O. BOX 4041
WILMINGTON, NC 28406
(910) 791-4441

STORMWATER AND EROSION CONTROL PLAN FOR WILMINGTON POWERSPORTS
OWNER: WPS HOLDINGS, LLC
3549 GOVERNORS ISLAND DRIVE
DENVER, NC 28037

WILMINGTON POWERSPORTS
LOCATED IN CITY OF WILMINGTON
NEW HANOVER COUNTY, NORTH CAROLINA
OWNER: WPS HOLDINGS, LLC
3549 GOVERNORS ISLAND DRIVE
DENVER, NC 28037

FINAL DESIGN
MAY BE RELEASED FOR CONSTRUCTION

Table with columns: DATE, BY, REV. NO., REMARKS. Includes a date of 6/16/22 and a signature for JSM.

EC3 EC4
Sheet No. 01

GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCGO CONSTRUCTION GENERAL PERMIT
 IMPLEMENTING THE DETAILS AND SPECIFICATIONS ON THIS PLAN SHEET WILL RESULT IN THE CONSTRUCTION ACTIVITY BEING CONSIDERED COMPLIANT WITH THE GROUND STABILIZATION AND MATERIALS HANDLING SECTIONS OF THE NCGO CONSTRUCTION GENERAL PERMIT (SECTIONS E AND F, RESPECTIVELY). THE PERMITTEE SHALL COMPLY WITH THE EROSION AND SEDIMENT CONTROL PLAN APPROVED BY THE DELEGATED AUTHORITY HAVING JURISDICTION. ALL DETAILS AND SPECIFICATIONS SHOWN ON THIS SHEET MAY NOT APPLY DEPENDING ON SITE CONDITIONS AND THE DELEGATED AUTHORITY HAVING JURISDICTION.

SECTION E: GROUND STABILIZATION

REQUIRED GROUND STABILIZATION TIMEFRAMES

SITE AREA DESCRIPTION	STABILIZE WITHIN THIS MANY CALENDAR DAYS AFTER CEASING LAND DISTURBANCE	TIMEFRAME VARIATIONS
(A) PERIMETER DIKES, SWALES, DITCHES, AND PERIMETER SLOPES	7	NONE
(B) HIGH QUALITY WATER (HOW) ZONES	7	NONE
(C) SLOPES STEEPER THAN 3:1	7	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
(D) SLOPES 3:1 TO 4:1	14	-7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH AND WITH SLOPES STEEPER THAN 4:1 -7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES AND HOW ZONES -10 DAYS FOR FALLS LAKE WATERSHED
(E) AREAS WITH SLOPES FLATTER THAN 4:1	14	-7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES AND HOW ZONES -10 DAYS FOR FALLS LAKE WATERSHED UNLESS THERE IS ZERO SLOPE

NOTE: AFTER THE PERMANENT CESSATION OF CONSTRUCTION ACTIVITIES, ANY AREAS WITH TEMPORARY GROUND STABILIZATION SHALL BE CONVERTED TO PERMANENT GROUND STABILIZATION AS SOON AS PRACTICABLE BUT IN NO CASE LONGER THAN 90 CALENDAR DAYS AFTER THE LAST LAND DISTURBING ACTIVITY. TEMPORARY GROUND STABILIZATION SHALL BE MAINTAINED IN A MANNER TO RENOUR THE SURFACE STABLE AGAINST ACCELERATED EROSION UNTIL PERMANENT GROUND STABILIZATION IS ACHIEVED.

GROUND STABILIZATION SPECIFICATION

STABILIZE THE GROUND SUFFICIENTLY SO THAT RAIN WILL NOT DISLODGE THE SOIL. USE ONE OF THE TECHNIQUES IN THE TABLE BELOW.

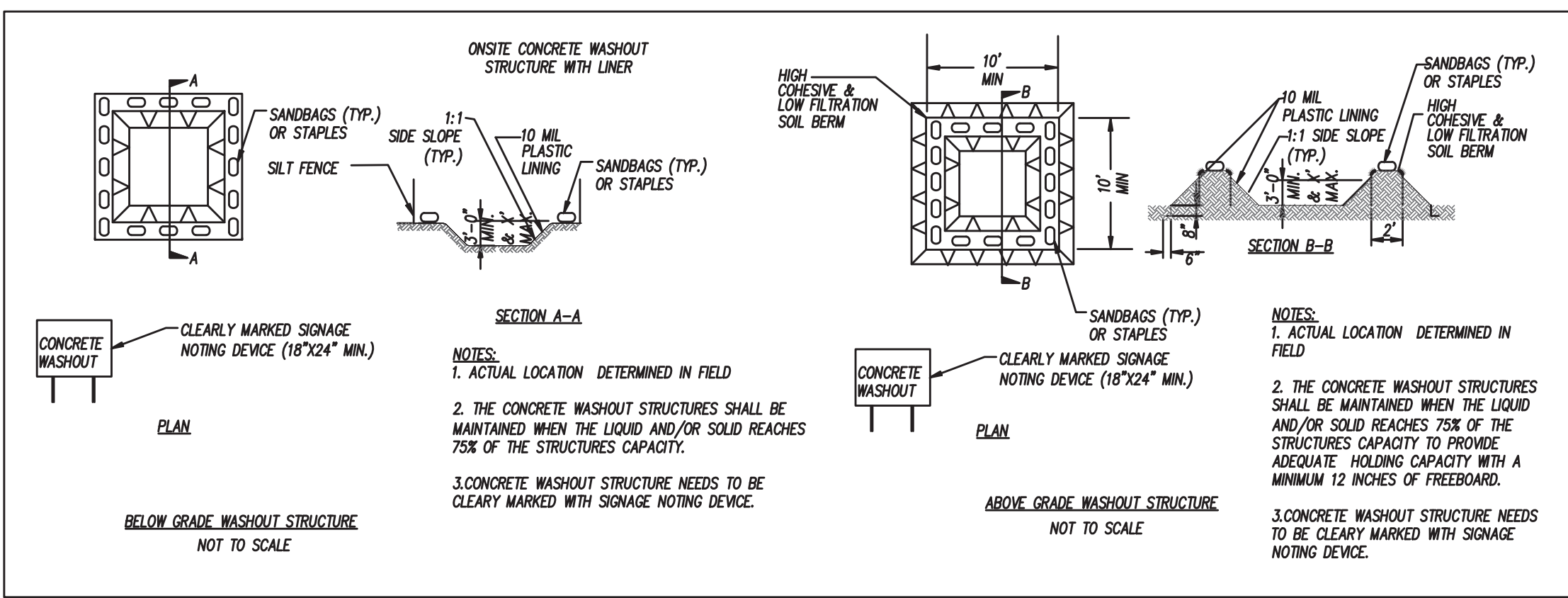
TEMPORARY STABILIZATION	PERMANENT STABILIZATION
<ul style="list-style-type: none"> TEMPORARY GRASS SEED COVERED WITH STRAW OR OTHER MULCHES AND TACKIFIERS. HYDROSEEDING ROLLED EROSION CONTROL PRODUCTS WITH OR WITHOUT TEMPORARY GRASS SEED APPROPRIATELY APPLIED STRAW OR OTHER MULCH PLASTIC SHEETING 	<ul style="list-style-type: none"> PERMANENT GRASS SEED COVERED WITH STRAW OR OTHER MULCHES AND TACKIFIERS GEOTEXTILE FABRICS SUCH AS PERMANENT SOIL REINFORCEMENT MATTING HYDROSEEDING SHRUBS OR OTHER PERMANENT PLANTINGS COVERED WITH MULCH UNIFORM AND EVENLY DISTRIBUTED GROUND COVER SUFFICIENT TO RESTRAIN EROSION STRUCTURAL METHODS SUCH AS CONCRETE, ASPHALT OR RETAINING WALLS ROLLED EROSION CONTROL PRODUCTS WITH GRASS SEED

POLYMERFLUCCULANTS (PMFs) AND FLOCCULANTS

- SELECT FLOCCULANTS THAT ARE APPROPRIATE FOR THE SOILS BEING EXPOSED DURING CONSTRUCTION, SELECTING FROM THE NC DWR LIST OF APPROVED PMFs/FLOCCULANTS.
- APPLY FLOCCULANTS AT OR BEFORE THE INLETS TO EROSION AND SEDIMENT CONTROL MEASURES.
- APPLY FLOCCULANTS AT THE CONCENTRATIONS SPECIFIED IN THE NC DWR LIST OF APPROVED PMFs/FLOCCULANTS AND IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- PROVIDE PONDING AREA FOR CONTAINMENT OF TREATED STORMWATER BEFORE DISCHARGING OFFSITE.
- STORE FLOCCULANTS IN LEAK-PROOF CONTAINERS THAT ARE KEPT UNDER STORM-RESISTANT COVER OR SURROUNDED BY SECONDARY CONTAINMENT STRUCTURES.

EARTHEN STOCKPILE MANAGEMENT

- SHOW STOCKPILE LOCATIONS ON PLANS. LOCATE EARTHEN-MATERIAL STOCKPILE AREAS AT LEAST 50 FEET AWAY FROM STORM DRAIN INLETS, SEDIMENT BASINS, PERIMETER SEDIMENT CONTROLS AND SURFACE WATERS UNLESS IT CAN BE SHOWN NO OTHER ALTERNATIVES ARE REASONABLY AVAILABLE.
- PROTECT STOCKPILE WITH SILT FENCE INSTALLED ALONG TOE OF SLOPE WITH A MINIMUM OFFSET OF FIVE FEET FROM THE TOE OF STOCKPILE.
- PROVIDE STABLE STONE ACCESS POINT WHEN FEASIBLE.
- STABILIZE STOCKPILE WITHIN THE TIMEFRAMES PROVIDED ON THIS SHEET AND IN ACCORDANCE WITH THE APPROVED PLAN AND ANY ADDITIONAL REQUIREMENTS. SOIL STABILIZATION IS DEFINED AS VEGETATIVE, PHYSICAL OR CHEMICAL COVERAGE TECHNIQUES THAT WILL RESTRAIN ACCELERATED EROSION ON DISTURBED SOILS FOR TEMPORARY OR PERMANENT CONTROL NEEDS.



EQUIPMENT AND VEHICLE MAINTENANCE

- MAINTAIN VEHICLES AND EQUIPMENT TO PREVENT DISCHARGE OF FLUIDS.
- PROVIDE DRIP PANS UNDER ANY STORED EQUIPMENT.
- IDENTIFY LEAKS AND REPAIR AS SOON AS FEASIBLE, OR REMOVE LEAKING EQUIPMENT FROM THE PROJECT.
- COLLECT ALL SPENT FLUIDS, STORE IN SEPARATE CONTAINERS AND PROPERLY DISPOSE AS HAZARDOUS WASTE (RECYCLE WHEN POSSIBLE).
- REMOVE LEAKING VEHICLES AND CONSTRUCTION EQUIPMENT FROM SERVICE UNTIL THE PROBLEM HAS BEEN CORRECTED.
- BRING USED FUELS, LUBRICANTS, COOLANTS, HYDRAULIC FLUIDS AND OTHER PETROLEUM PRODUCTS TO A RECYCLING OR DISPOSAL CENTER THAT HANDLES THESE MATERIALS.

LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE

- NEVER BURY OR BURN WASTE. PLACE LITTER AND DEBRIS IN APPROVED WASTE CONTAINERS.
- PROVIDE A SUFFICIENT NUMBER AND SIZE OF WASTE CONTAINERS (E.G. DUMPSTER, TRASH RECEPTACLE) ON SITE TO CONTAIN CONSTRUCTION AND DOMESTIC WASTES.
- LOCATE WASTE CONTAINERS AT LEAST 50 FEET AWAY FROM STORM DRAIN INLETS AND SURFACE WATERS UNLESS NO OTHER ALTERNATIVES ARE REASONABLY AVAILABLE.
- LOCATE WASTE CONTAINERS ON AREAS THAT DO NOT RECEIVE SUBSTANTIAL AMOUNTS OF RUNOFF FROM UPLAND AREAS AND DOES NOT DIRECTLY TO A STORM DRAIN, STREAM OR WETLAND.
- COVER WASTE CONTAINERS AT THE END OF EACH WORKDAY AND BEFORE STORM EVENTS OR PROVIDE SECONDARY CONTAINMENT. REPAIR OR REPLACE DAMAGED WASTE CONTAINERS.
- ANCHOR ALL LIGHTWEIGHT ITEMS IN WASTE CONTAINERS DURING TIMES OF HIGH WINDS.
- EMPTY WASTE CONTAINERS AS NEEDED TO PREVENT OVERFLOW. CLEAN UP IMMEDIATELY IF CONTAINERS OVERFLOW.
- DISPOSE WASTE OFF-SITE AT AN APPROVED DISPOSAL FACILITY.
- ON BUSINESS DAYS, CLEAN UP AND DISPOSE OF WASTE IN DESIGNATED WASTE CONTAINERS.

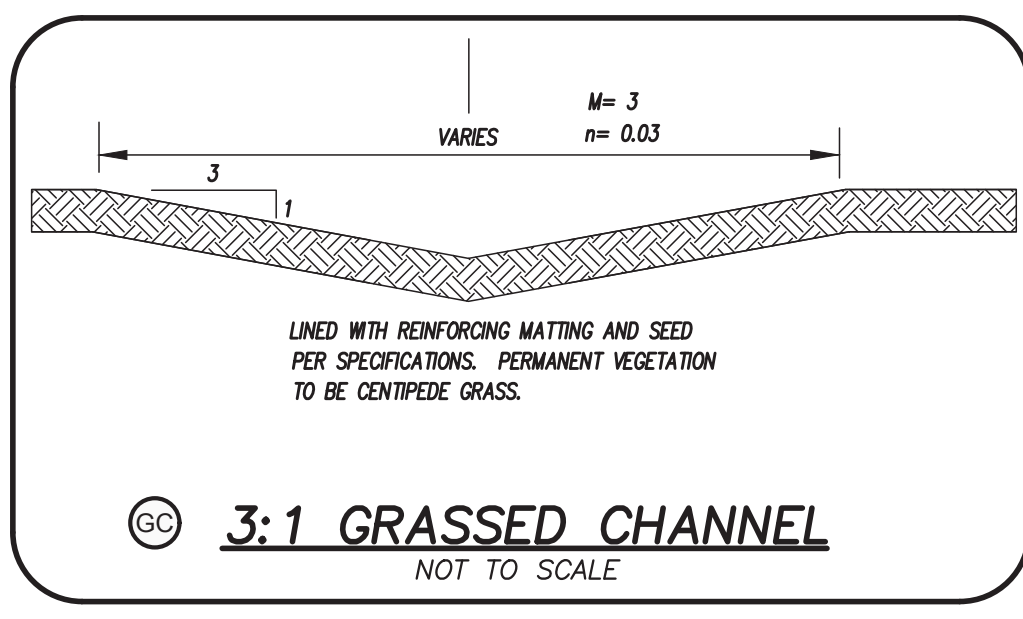
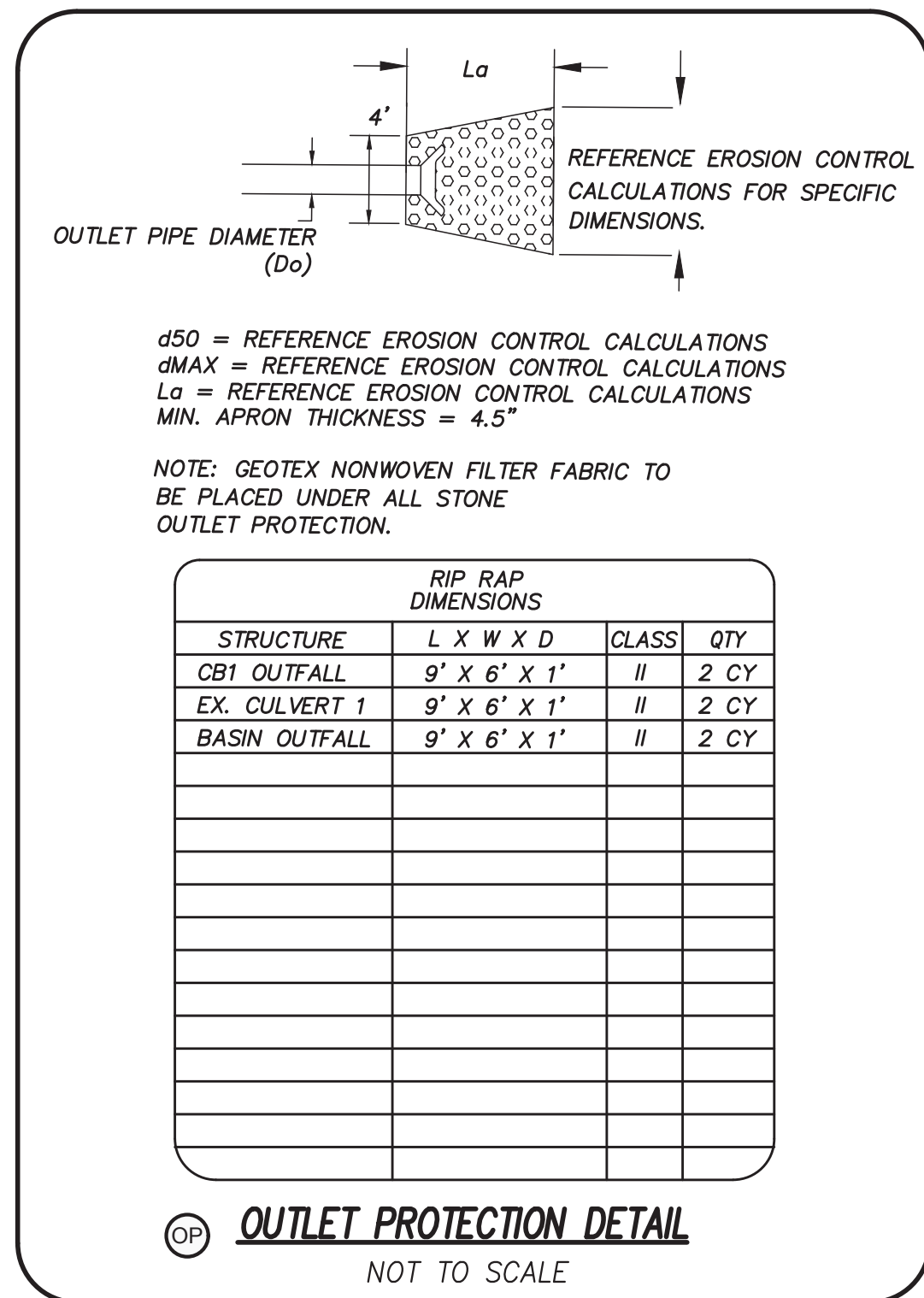
PAINT AND OTHER LIQUID WASTE

- DO NOT DUMP PAINT AND OTHER LIQUID WASTE INTO STORM DRAINS, STREAMS OR WETLANDS.
- LOCATE PAINT WASHOUTS AT LEAST 50 FEET AWAY FROM STORM DRAIN INLETS AND SURFACE WATERS UNLESS NO OTHER ALTERNATIVES ARE REASONABLY AVAILABLE.
- CONTAIN LIQUID WASTES IN A CONTROLLED AREA.
- CONTAINMENT MUST BE LABELED, SIZED AND PLACED APPROPRIATELY FOR THE NEEDS OF SITE.
- PREVENT THE DISCHARGE OF SOAPS, SOLVENTS, DETERGENTS AND OTHER LIQUID WASTES FROM CONSTRUCTION SITES.

PORTABLE TOILETS

- INSTALL PORTABLE TOILETS ON LEVEL GROUND, AT LEAST 50 FEET AWAY FROM STORM DRAINS, STREAMS OR WETLANDS UNLESS THERE IS NO ALTERNATIVE REASONABLY AVAILABLE. IF 50 FOOT OFFSET IS NOT ATTAINABLE, PROVIDE RELOCATION OF PORTABLE TOILET BEHIND SILT FENCE OR PLACE ON A GRAVEL PAD AND SURROUND WITH SAND BAGS.
- PROVIDE STAKING OR ANCHORING OF PORTABLE TOILETS DURING PERIODS OF HIGH WINDS OR IN HIGH FOOT TRAFFIC AREAS.
- MONITOR PORTABLE TOILETS FOR LEAKING AND PROPERLY DISPOSE OF ANY LEAKED MATERIAL. UTILIZE A LICENSED SANITARY WASTE HAULER TO REMOVE LEAKING PORTABLE TOILETS AND REPLACE WITH PROPERLY OPERATING UNIT.

NCGO SELF-INSPECTION, RECORDKEEPING AND REPORTING EFFECTIVE: 04/01/19



LICENSE # C-2710
 ENGINEERING
 LAND PLANNING
 COMMERCIAL / RESIDENTIAL

P.O. BOX 4041
 WILMINGTON, NC 28406
 (910) 791-4441

STORMWATER AND EROSION CONTROL PLAN FOR
 WILMINGTON POWERSPORTS

WILMINGTON POWERSPORTS
 LOCATED IN CITY OF WILMINGTON
 NEW HANOVER COUNTY, NORTH CAROLINA

OWNER: WFS HOLDINGS, LLC
 3549 GOVERNORS ISLAND DRIVE
 DENVER, NC 28037



PART III SELF-INSPECTION, RECORD KEEPING AND REPORTING

SECTION A: SELF-INSPECTION
 SELF-INSPECTIONS ARE REQUIRED DURING NORMAL BUSINESS HOURS IN ACCORDANCE WITH THE TABLE BELOW. WHEN ADVERSE WEATHER OR SITE CONDITIONS WOULD CAUSE THE SAFETY OF THE INSPECTION PERSONNEL TO BE IN JEOPARDY, THE INSPECTION MAY BE DELAYED UNTIL THE NEXT BUSINESS DAY ON WHICH IT IS SAFE TO PERFORM THE INSPECTION. IN ADDITION, WHEN A STORM EVENT OF EQUAL TO OR GREATER THAN 1.0 INCH OCCURS OUTSIDE OF NORMAL BUSINESS HOURS, THE SELF-INSPECTION SHALL BE PERFORMED UPON THE COMMENCEMENT OF THE NEXT BUSINESS DAY. ANY TIME WHEN INSPECTIONS WERE DELAYED SHALL BE NOTED IN THE INSPECTION RECORD.

INSPECT	FREQUENCY (DURING NORMAL BUSINESS HOURS)	INSPECTION RECORDS MUST INCLUDE:
(1) RAIN GAUGE MAINTAINED IN GOOD WORKING ORDER	DAILY	DAILY RAIN AMOUNTS IF NO DAILY RAIN GAUGE OBSERVATION ARE MADE DURING WEEKEND OR HOLIDAY PERIODS, AND NO INDIVIDUAL-DAY RAINFALL INFORMATION IS AVAILABLE, RECORD THE CUMULATIVE RAIN MEASUREMENT FOR THOSE UN-ATTENDED DAYS (AND THIS WILL DETERMINE IF A SITE INSPECTION IS NEEDED). DAYS ON WHICH NO RAINFALL OCCURRED SHALL BE RECORDED AS "ZERO". THE PERMITTEE MAY USE ANOTHER RAIN MONITORING DEVICE APPROVED BY THE DIVISION.
(2) E&SC MEASURES	AT LEAST ONCE PER 7 CALENDAR DAYS AND WITHIN 24 HOURS OF A RAIN EVENT ≥ 1.0 INCH IN 24 HOURS	1. IDENTIFICATION OF THE MEASURES INSPECTED. 2. DATE AND TIME OF THE INSPECTION 3. NAME OF THE PERSON PERFORMING THE INSPECTION 4. INDICATION OF WHETHER THE MEASURES WERE OPERATING PROPERLY 5. DESCRIPTION OF MAINTENANCE NEEDS FOR THE MEASURE 6. DESCRIPTION, EVIDENCE AND DATE OF CORRECTIVE ACTIONS TAKEN.
(3) STORMWATER DISCHARGE OUTFALLS (SOOS)	AT LEAST ONCE PER 7 CALENDAR DAYS AND WITHIN 24 HOURS OF A RAIN EVENT ≥ 1.0 INCH IN 24 HOURS	1. IDENTIFICATION OF THE MEASURES INSPECTED. 2. DATE AND TIME OF THE INSPECTION 3. NAME OF THE PERSON PERFORMING THE INSPECTION 4. INDICATION OF WHETHER THE MEASURES WERE OPERATING PROPERLY 5. DESCRIPTION OF MAINTENANCE NEEDS FOR THE MEASURE 6. DESCRIPTION, EVIDENCE AND DATE OF CORRECTIVE ACTIONS TAKEN.
(4) PERIMETER OF SITE	AT LEAST ONCE PER 7 CALENDAR DAYS AND WITHIN 24 HOURS OF A RAIN EVENT ≥ 1.0 INCH IN 24 HOURS	IF VISIBLE SEDIMENTATION IS FOUND OUTSIDE SITE LIMITS, THEN A RECORD OF THE FOLLOWING SHALL BE MADE: 1. ACTIONS TAKEN TO CLEAN UP OR STABILIZE THE SEDIMENT THAT HAS LEFT THE SITE LIMITS. 2. DESCRIPTION, EVIDENCE AND DATE OF CORRECTIVE ACTIONS TAKEN, AND 3. AN EXPLANATION AS TO THE ACTIONS TAKEN TO CONTROL FUTURE RELEASES.
(5) STREAMS OR WETLANDS ONSITE OR OFFSITE (WHERE ACCESSIBLE)	AT LEAST ONCE PER 7 CALENDAR DAYS AND WITHIN 24 HOURS OF A RAIN EVENT ≥ 1.0 INCH IN 24 HOURS	IF THE STREAM OR WETLANDS HAS INCREASED VISIBLE SEDIMENTATION OR A STREAM HAS VISIBLE INCREASED TURBIDITY FROM THE CONSTRUCTION ACTIVITY, THEN A RECORD OF THE FOLLOWING SHALL BE MADE: 1. DESCRIPTION, EVIDENCE AND DATE OF CORRECTIVE ACTIONS TAKEN, AND 2. RECORDS OF THE REQUIRED REPORTS TO THE APPROPRIATE DIVISION REGIONAL OFFICER PER PART III, SECTION C, ITEM 2(A) OF THIS PERMIT.
(6) GROUND STABILIZATION MEASURES	AFTER EACH PHASE OF GRADING	1. THE PHASE OF GRADING (INSTALLATION OF PERIMETER E&SC MEASURES, CLEANING AND BROOMING, INSTALLATION OF STORM DRAINAGE FACILITIES, COMPLETION OF ALL LAND-DISTURBING ACTIVITY, CONSTRUCTION OR REDEVELOPMENT, PERMANENT GROUND COVER). 2. DOCUMENTATION THAT THE REQUIRED GROUND STABILIZATION MEASURES HAVE BEEN PROVIDED WITHIN THE REQUIRED TIME FRAME OR AN ASSURANCE THAT THEY WILL BE PROVIDED AS SOON AS POSSIBLE.

NOTE: THE RAIN INSPECTION RESETS THE REQUIRED 7 CALENDAR DAY INSPECTION REQUIREMENT.

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION B: RECORDKEEPING

1. E&SC PLAN DOCUMENTATION
 THE APPROVED E&SC PLAN AS WELL AS ANY APPROVED DEVIATION SHALL BE KEPT ON THE SITE. THE APPROVED E&SC PLAN MUST BE KEPT UP-TO-DATE THROUGHOUT THE CONSTRUCTION UNDER THIS PERMIT. THE FOLLOWING ITEMS PERTAINING TO THE E&SC PLAN SHALL BE KEPT ON SITE AND AVAILABLE FOR INSPECTION AT ALL TIMES DURING NORMAL BUSINESS HOURS:

ITEM TO DOCUMENT	DOCUMENTATION REQUIREMENTS
(A) EACH E&SC MEASURE HAS BEEN INSTALLED AND DOES NOT SIGNIFICANTLY DEVIATE FROM THE LOCATIONS, DIMENSION AND RELATIVE ELEVATIONS SHOWN ON THE APPROVED E&SC PLAN.	INITIAL AND DATE EACH E&SC MEASURE ON A COPY OF THE APPROVED E&SC PLAN OR COMPLETE, DATE AND SIGN AN INSPECTION REPORT THAT LIST EACH E&SC MEASURE SHOWN ON THE APPROVED E&SC PLAN. THIS DOCUMENTATION IS REQUIRED UPON THE INITIAL INSTALLATION OF THE E&SC MEASURES OR IF THE E&SC MEASURES ARE MODIFIED AFTER INITIAL INSTALLATION.
(B) A PHASE OF GRADING HAS BEEN COMPLETED.	INITIAL AND DATE A COPY OF THE APPROVED E&SC PLAN OR COMPLETE, DATE AND SIGN AN INSPECTION REPORT TO INDICATE COMPLETION OF THE CONSTRUCTION PHASE.
(C) GROUND COVER IS LOCATED AND INSTALLED IN ACCORDANCE WITH THE APPROVED E&SC PLAN.	INITIAL AND DATE A COPY OF THE APPROVED E&SC PLAN OR COMPLETE, DATE AND SIGN AN INSPECTION REPORT TO INDICATE COMPLIANCE WITH APPROVED GROUND COVER SPECIFICATIONS.
(D) THE MAINTENANCE AND REPAIR REQUIREMENTS FOR ALL E&SC MEASURES HAVE BEEN PERFORMED.	COMPLETE, DATE AND SIGN AN INSPECTION FORM
(E) CORRECTIVE ACTIONS HAVE BEEN TAKEN TO E&SC MEASURES.	INITIAL AND DATE A COPY OF THE APPROVED E&SC PLAN OR COMPLETE, DATE AND SIGN AN INSPECTION REPORT TO INDICATE THE COMPLETION OF THE CORRECTIVE ACTION.

2. ADDITIONAL DOCUMENTATION TO BE KEPT ON SITE
 IN ADDITION TO THE E&SC PLAN DOCUMENTS ABOVE, THE FOLLOWING ITEMS SHALL BE KEPT ON THE SITE AND AVAILABLE FOR INSPECTION AT ALL TIMES DURING NORMAL BUSINESS HOURS, UNLESS THE DIVISION PROVIDES A SITE-SPECIFIC EXEMPTION BASED ON UNIQUE SITE CONDITIONS THAT MAKE THIS REQUIREMENT NOT PRACTICAL:
 (A) THIS GENERAL PERMIT AS WELL AS THE CERTIFICATE OF COVERAGE, AFTER IT IS RECEIVED.
 (B) RECORDS OF INSPECTIONS MADE DURING THE PREVIOUS TWELVE MONTHS. THE PERMITTEE SHALL RECORD THE REQUIRED OBSERVATIONS ON THE INSPECTION RECORD FORM PROVIDED BY THE DIVISION OR A SIMILAR INSPECTION FORM THAT INCLUDES ALL THE REQUIRED ELEMENTS. USE OF ELECTRONICALLY-AVAILABLE RECORDS IN LEU OF THE REQUIRED PAPER COPIES WILL BE ALLOWED IF SHOWN TO PROVIDE EQUAL ACCESS AND UTILITY AS THE HARD-COPY RECORDS.

3. DOCUMENTATION TO BE RETAINED FOR THREE YEARS ALL DATA USED TO COMPLETE THE E-MOI AND ALL INSPECTION RECORDS SHALL BE MAINTAINED FOR A PERIOD OF THREE YEARS AFTER PROJECT COMPLETION AND MADE AVAILABLE UPON REQUEST. [40 CFR 122.41]

NCGO SELF-INSPECTION, RECORDKEEPING AND REPORTING EFFECTIVE: 04/01/19

PART III SELF-INSPECTION, RECORD KEEPING AND REPORTING

SECTION C: REPORTING

1. OCCURRENCES THAT MUST BE REPORTED
 PERMITTEES SHALL REPORT THE FOLLOWING OCCURRENCES:
 (A) VISIBLE SEDIMENT DEPOSITION IN A STREAM OR WETLAND.
 (B) OIL SPILLS IF:
 • THEY ARE 25 GALLONS OR MORE,
 • THEY ARE LESS THAN 25 GALLONS BUT CANNOT BE CLEANED UP WITHIN 24 HOURS,
 • THEY CAUSE SHEEN ON SURFACE WATERS (REGARDLESS OF VOLUME), OR
 • THEY ARE WITHIN 100 FEET OF SURFACE WATERS (REGARDLESS OF VOLUME).
 (C) RELEASES OF HAZARDOUS SUBSTANCES IN EXCESS OF REPORTABLE QUANTITIES UNDER SECTION 311 OF THE CLEAN WATER ACT (REF: 40 CFR 110.3 AND 40 CFR 117.3) OR SECTION 102 OF CERCLA (REF: 40 CFR 302.4 OR C.S. 143-215.85.
 (D) ANTICIPATED BYPASSES AND UNANTICIPATED BYPASSES.
 (E) NONCOMPLIANCE WITH THE CONDITIONS OF THIS PERMIT THAT MAY ENDANGER HEALTH OR THE ENVIRONMENT.

2. REPORTING TIMEFRAMES AND OTHER REQUIREMENTS
 AFTER A PERMITTEE BECOMES AWARE OF AN OCCURRENCE THAT MUST BE REPORTED, HE SHALL CONTACT THE APPROPRIATE DIVISION REGIONAL OFFICE WITHIN THE TIMEFRAMES AND IN ACCORDANCE WITH THE REQUIREMENTS LISTED BELOW. OCCURRENCES OUTSIDE NORMAL BUSINESS HOURS MAY ALSO BE REPORTED TO THE DEPARTMENT'S ENVIRONMENTAL EMERGENCY CENTER PERSONNEL AT (800) 858-0368.

OCCURRENCE	REPORTING TIME FRAMES (AFTER DISCOVERY) AND OTHER REQUIREMENTS.
(A) VISIBLE SEDIMENT DEPOSITION IN A STREAM OR WETLAND	WITHIN 24 HOURS, AN ORAL OR ELECTRONIC NOTIFICATION WITHIN 7 CALENDAR DAYS, A REPORT THAT CONTAINS A DESCRIPTION OF THE SEDIMENT AND ACTIONS TAKEN TO ADDRESS THE CAUSE OF THE DEPOSITION. DIVISION STAFF MAY WAIVE THE REQUIREMENT FOR A WRITTEN REPORT ON A CASE-BY-CASE BASIS. IF THE STREAM IS NAMED ON THE NC 303(D) LIST AS IMPAIRED FOR SEDIMENT-RELATED CAUSES, THE PERMITTEE MAY BE REQUIRED TO PERFORM ADDITIONAL MONITORING, INSPECTIONS OR APPLY MORE STRINGENT PRACTICES IF STAFF DETERMINE THAT ADDITIONAL REQUIREMENTS ARE NEEDED TO ASSURE COMPLIANCE WITH THE FEDERAL OR STATE IMPAIRED-WATERS CONDITIONS.
(B) OIL SPILLS AND RELEASE OF HAZARDOUS SUBSTANCES PER ITEM (B)-(C) ABOVE	WITHIN 24 HOURS, AN ORAL OR ELECTRONIC NOTIFICATION. THE NOTIFICATION SHALL INCLUDE INFORMATION ABOUT THE DATE, TIME, NATURE, VOLUME AND LOCATION OF THE SPILL OR RELEASE.
(C) ANTICIPATED BYPASSES (40 CFR 122.41)(M)	WITHIN 24 HOURS, AN ORAL OR ELECTRONIC NOTIFICATION WITHIN 7 CALENDAR DAYS, A REPORT THAT INCLUDES AN EVALUATION OF THE QUALITY AND EFFECT OF THE BYPASS.
(E) NONCOMPLIANCE WITH THE CONDITIONS OF THIS PERMIT THAT MAY ENDANGER HEALTH OR THE ENVIRONMENT (40 CFR 122.41)(7)	WITHIN 24 HOURS, AN ORAL OR ELECTRONIC NOTIFICATION WITHIN 7 CALENDAR DAYS, A REPORT THAT CONTAINS A DESCRIPTION OF THE NONCOMPLIANCE, AND ITS CAUSES, THE PERIOD OF NONCOMPLIANCE, INCLUDING EXACT DATE AND TIME, AND IF THE NONCOMPLIANCE HAS NOT BEEN CORRECTED, THE ANTICIPATED NONCOMPLIANCE IS EXPECTED TO CONTINUE, AND STEPS TAKEN OR PLANNED TO REDUCE, ELIMINATE, AND PREVENT REOCCURRENCE OF THE NONCOMPLIANCE. (40 CFR 122.10 (I)(9)) DIVISION STAFF MAY WAIVE THE REQUIREMENT FOR A WRITTEN REPORT ON A CASE-BY-CASE BASIS.

PART III, SECTION G, ITEM (4)
DRAW DOWN OF SEDIMENT BASINS FOR MAINTENANCE OR CLOSE OUT

SEDIMENT BASINS AND TRAPS THAT RECEIVE RUNOFF FROM DRAINAGE AREAS OF ONE ACRE OR MORE SHALL USE OUTLET STRUCTURES THAT WITHDRAW WATER FROM THE SURFACE WHEN THESE DEVICES NEED TO BE DROWN DOWN FOR MAINTENANCE OR CLOSE OUT UNLESS THIS IS INFEASIBLE. THE CIRCUMSTANCES IN WHICH IT IS NOT FEASIBLE TO WITHDRAW WATER FROM THE SURFACE SHALL BE RARE (FOR EXAMPLE, TIMES WITH EXTENDED COLD WEATHER). NON-SURFACE WITHDRAWALS FROM SEDIMENT BASINS SHALL BE ALLOWED ONLY WHEN ALL OF THE FOLLOWING CRITERIA HAVE BEEN MET:

- THE E&SC PLAN AUTHORITY HAS BEEN PROVIDED WITH DOCUMENTATION OF THE NON-SURFACE WITHDRAWAL AND THE SPECIFIC TIME PERIODS OR CONDITIONS IN WHICH IT WILL OCCUR. THE NON-SURFACE WITHDRAWAL SHALL NOT COMMENCE UNTIL THE E&SC PLAN AUTHORITY HAS APPROVED THESE ITEMS.
- THE NON-SURFACE WITHDRAWAL HAS BEEN REPORTED AS AN ANTICIPATED BYPASS IN ACCORDANCE WITH PART III, SECTION C, ITEM 2(C)(2) AND (D) OF THIS PERMIT.
- DEWATERING DISCHARGES ARE TREATED WITH CONTROLS TO MINIMIZE DISCHARGES OF POLLUTANTS FROM STORMWATER THAT IS REMOVED FROM THE SEDIMENT BASIN. EXAMPLES OF APPROPRIATE CONTROLS INCLUDE:
 PROPERLY SITED, DESIGNED AND MAINTAINED DEWATERING TANKS, WEIR TANKS, AND FILTRATION SYSTEMS.
- VEGETATED, UPLAND AREAS OF THE SITES OR A PROPERLY DESIGNED STONE PAD IS USED TO THE EXTENT FEASIBLE AT THE OUTLET OF THE DEWATERING TREATMENT DEVICES DESCRIBED IN ITEM (C) ABOVE.
- VELOCITY DISSIPATION DEVICES SUCH AS CHECK DAMS, SEDIMENT TRAPS, AND RIPRAP ARE PROVIDED AT THE DISCHARGE POINTS OF ALL DEWATERING DEVICES, AND
- SEDIMENT REMOVED FROM THE DEWATERING TREATMENT DEVICES DESCRIBED IN ITEM (C) ABOVE IS DISPOSED OF IN A MANNER THAT DOES NOT CAUSE DEPOSITION OF SEDIMENT INTO WATERS OF THE UNITED STATES.

DATE	BY	DATE
6/16/22	JSM	11/06/22
	SEALED	
	REV. NO.	REMARKS

DATE: 6/16/22
 HORZ. SCALE: N/A
 VERT. SCALE: N/A
 DRAWN BY: JSM
 CHECKED BY: HSR
 PROJECT NO.: 21-0554

EC4 EC4
 Sheet No. 4 of 4



LICENSE # C-2710
ENGINEERING
LAND PLANNING
COMMERCIAL / RESIDENTIAL

P.O. BOX 4041
WILMINGTON, NC 28406
(910) 791-4441

DRAINAGE AREA MAP
for
WILMINGTON POWERSPORTS

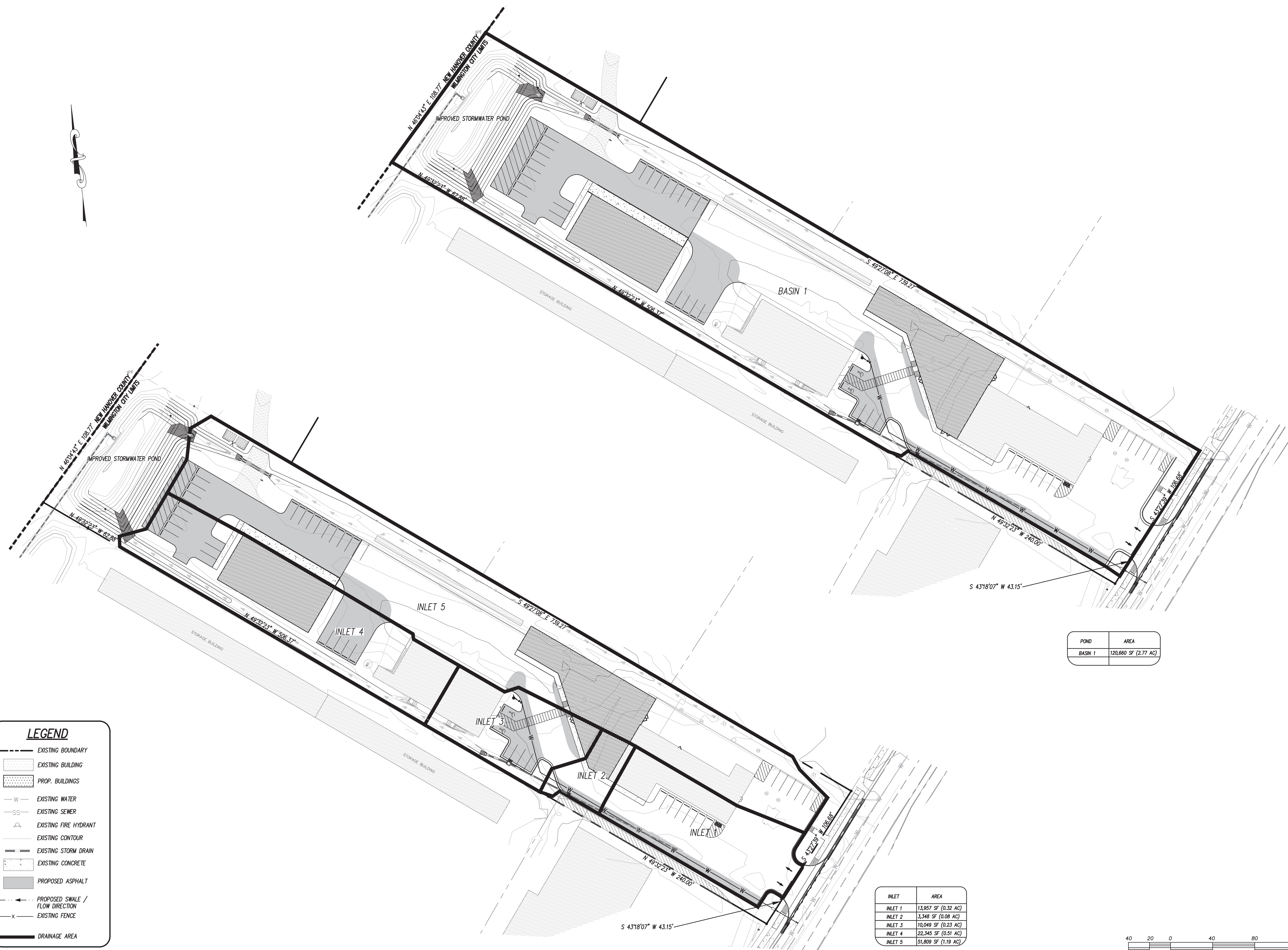
DRAINAGE AREA MAP for
WILMINGTON POWERSPORTS
LOCATED IN CITY OF WILMINGTON
NEW HAMPSHIRE COUNTY, NORTH CAROLINA
OWNER: WPS HOLDINGS, LLC
3549 COVERGORS ISLAND DRIVE
DENVER, NC 28037



REV. NO.	DATE	BY	REMARKS
2	11/08/22	JSM	REVISED PER CITY OF WILMINGTON PRE-TRC COMMENTS
1	7/18/22	JSM	REVISED PER CITY OF WILMINGTON PRE-TRC COMMENTS

DATE: 6/16/22
HORZ. SCALE: 1" = 40'
VERT. SCALE: N/A
DRAWN BY: JSM
CHECKED BY: HSR
PROJECT NO.: 21-0554

Sheet No. **DA1** of **DA1**



LEGEND

- EXISTING BOUNDARY
- [Pattern] EXISTING BUILDING
- [Pattern] PROP. BUILDINGS
- W- EXISTING WATER
- SS- EXISTING SEWER
- [Symbol] EXISTING FIRE HYDRANT
- EXISTING CONTOUR
- EXISTING STORM DRAIN
- [Pattern] EXISTING CONCRETE
- [Pattern] PROPOSED ASPHALT
- PROPOSED SWALE / FLOW DIRECTION
- x- EXISTING FENCE
- DRAINAGE AREA

POND	AREA
BASIN 1	120,660 SF (2.77 AC)

INLET	AREA
INLET 1	13,957 SF (0.32 AC)
INLET 2	3,348 SF (0.08 AC)
INLET 3	10,049 SF (0.23 AC)
INLET 4	22,345 SF (0.51 AC)
INLET 5	51,809 SF (1.19 AC)

