

SU-8-106-M909-M1014

OVERFLOW PARKING PROJECT

for

PORT CITY COMMUNITY CHURCH

250 VISION DRIVE

Wilmington, North Carolina

General Notes:

1. Prior to any clearing, grading, or construction activity, tree protection fencing will be installed around protected trees or groves of trees and no construction workers, materials, or vehicles are permitted within the tree protection fencing.
2. All pavement markings in public rights-of-way and for driveways are to be thermoplastic and meet City and/or NCDOT standards.
3. Once streets are open to traffic, contact Traffic Engineering to request installation of traffic and street name signs. Proposed street names must be approved prior to installation of street name signs.
4. Traffic control devices (including signs and pavement markings) in areas open to public traffic are to meet MUTCD (Manual on Uniform Traffic Control Devices) standards.
5. Contact Traffic Engineering at 341-7888 to ensure that all traffic signals facilities and equipment are shown on the plan. Add a note to call Traffic Engineering at 341-7888 forty-eight hours prior to any excavation in the right-of-way.
6. Any broken or missing sidewalk panels, driveway panels and curbing will be replaced.
7. Contact TRAFFIC ENGINEERING at 341-7888 to discuss street lighting options.
8. Project shall comply with the CFPUA Cross Connection Control requirements. Water meter(s) cannot be released until all requirements are met and the State has given their Final Approval. Call 332-6419 for information.
9. If the contractor desires CFPUA water for construction he shall apply in advance for this service and must provide a reduced pressure zone (RPZ) backflow prevention device on the developer's side of the water meter box.
10. Any irrigation system supplied by CFPUA water shall comply with the CFPUA's Connection Control regulations. Call 332-6419 for information.
11. Any backflow prevention devices required by the CFPUA will need to be on the list of approved devices for USCFCCHR or ASSE.
12. A Landscaping Plan indicating the location of required street trees shall be submitted to the City of Wilmington Traffic Engineering Division and the Parks and Recreation Department for review and approval prior to the recording of the final plat.
13. Permitting of business identification signage is a separate process. NCDOT/City of Wilmington will not allow obstructions within the right of way.
14. Prior to any clearing, grading or construction activity, tree protection fencing will be installed around protected trees or groves of trees and no construction workers, tools, materials or vehicles are permitted within the tree protection fencing.
15. All traffic control signs and markings off the right-of-way are to be maintained by the property owner in accordance with MUTCD standards.
16. Install reflectors per City and NCDOT standards. Traffic Engineering must approve of pavement marking layout prior to actual striping.
17. All parking stall markings and lane arrows within parking areas shall be white.

DEVELOPER:
 PORT CITY COMMUNITY CHURCH
 250 VISION DRIVE
 WILMINGTON, NC 28403
 PHONE: 910-202-8800

OWNER:
 PORT CITY COMMUNITY CHURCH
 250 VISION DRIVE
 WILMINGTON, NC 28403
 PHONE: 910-202-8800
 nchie.marshall@portcitychurch.org

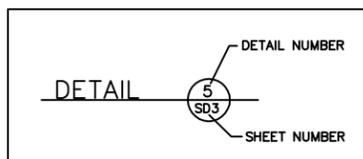
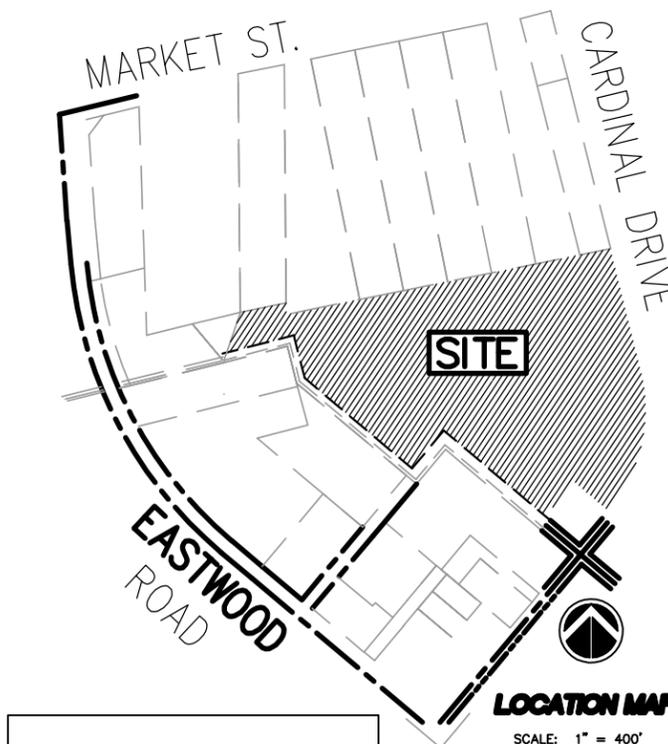
DESIGNER:



Coastal Land Design, PLLC
 Civil Engineering / Landscape Architecture
 Land Planning / Construction Management
 NCBELS Firm License No: P-0369

P.O. Box 1172 Phone: 910-254-9333
 Wilmington, NC 28402 www.cldeng.com Fax: 910-254-0502

**NOT FOR
 CONSTRUCTION**



UTILITY LOCATION NOTE:
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OR RELOCATION OF ALL UTILITIES IN COORDINATION WITH THE APPROPRIATE UTILITY AGENCY OR COMPANY. THE CONTRACTOR IS REQUIRED TO CALL THE "NORTH CAROLINA ONE CALL CENTER" 1-800-632-4949 OR 811 BEFORE DIGGING.

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

CITY OF WILMINGTON
 NORTH CAROLINA
 Public Services • Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN

Date: _____ Permit # _____

Signed: _____

CITY OF WILMINGTON
 NORTH CAROLINA

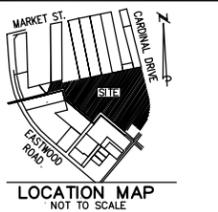
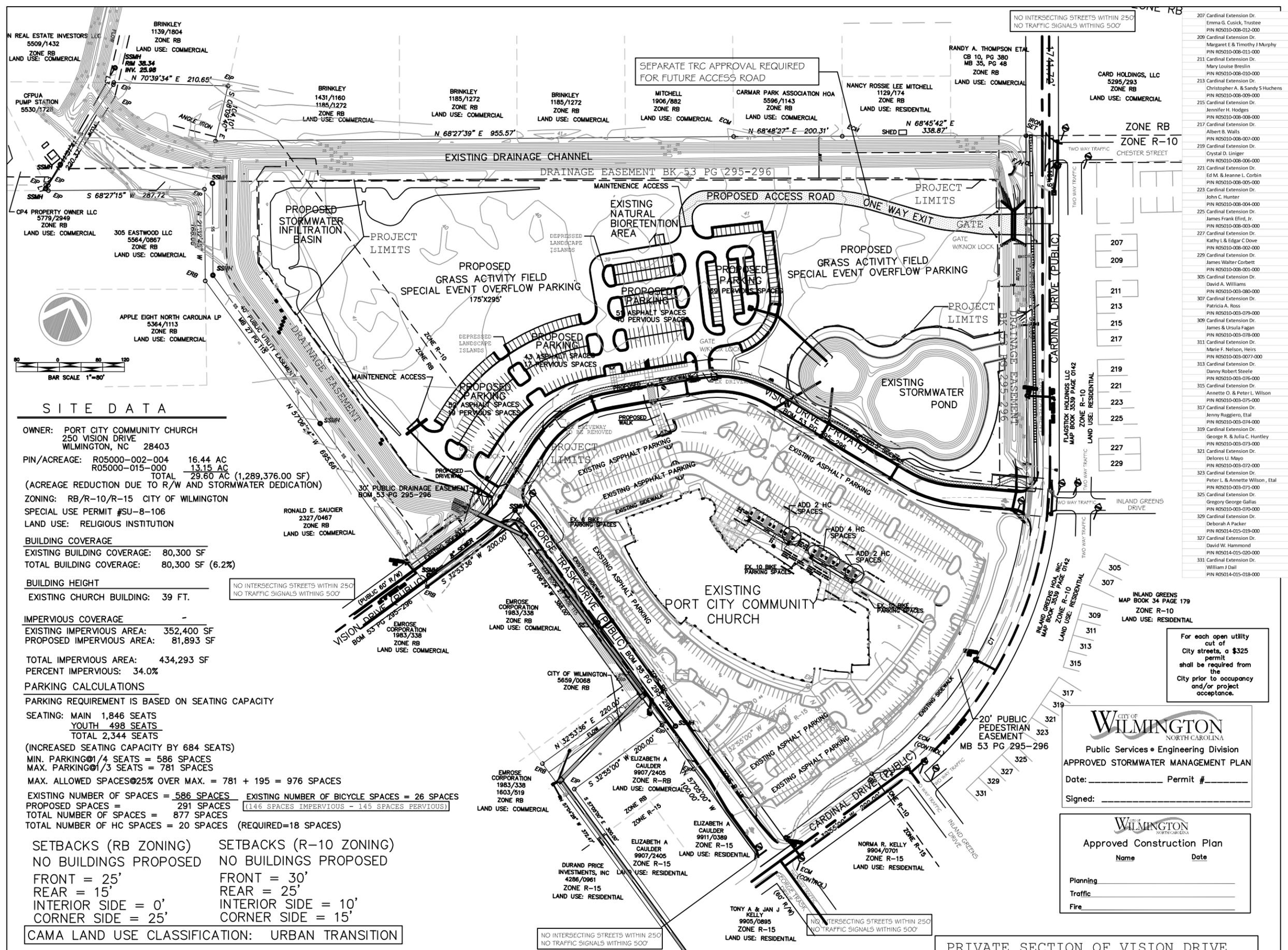
Approved Construction Plan

Name _____	Date _____
Planning _____	
Traffic _____	
Fire _____	

CITY COUNCIL/PLANNING BOARD CONDITIONS:

- SU-8-106-M909-M1014**
1. THE APPLICANT SHALL FULLY COMPLY WITH ALL OF THE SPECIFIC REQUIREMENTS STATED IN THE LAND DEVELOPMENT CODE FOR THE PROPOSED USE AS WELL AS ANY ADDITIONAL CONDITIONS STATED BELOW.
 2. IF ANY SECTION, SUBSECTION, PARAGRAPH, SENTENCE, CLAUSE, PHRASE OR PORTION OF THIS PERMIT IS FOR ANY REASON HELD INVALID OR UNCONSTITUTIONAL BY ANY COURT OF COMPETENT JURISDICTION, THIS SPECIAL USE PERMIT SHALL BE NULL AND VOID AND OF NO EFFECT.
 3. THE USE AND DEVELOPMENT OF THE SUBJECT PROPERTY SHALL BE IN ACCORDANCE WITH THE PLAN RECEIVED ON 7/25/14.
 4. THE USE AND DEVELOPMENT OF THE SUBJECT PROPERTY SHALL COMPLY WITH ALL OTHER SUPPLEMENTAL REGULATIONS AND REQUIREMENTS IMPOSED BY THE LAND DEVELOPMENT CODE OR ANY OTHER APPLICABLE FEDERAL, STATE OR LOCAL LAW, ORDINANCE OR REGULATION. IN THE EVENT OF A CONFLICT, THE MORE STRINGENT OR HIGHER STANDARD SHALL APPLY.
 5. DURING TIMES OF VEHICULAR STORAGE IN THE GRASSED AREAS, THE PARKING AISLES SHALL BE DEINEATED.
 6. TREE CLEARING SHALL BE LIMITED TO ESSENTIAL SITE IMPROVEMENTS WITHIN THE PROJECT LIMITS AS SHOWN ON THE APPROVED SITE PLAN. MITIGATION OF PRESERVED TREES WILL BE ENFORCED. TREES OUTSIDE THE PROJECT LIMITS OF DISTURBANCE WILL BE PROTECTED DURING THIS PHASE OF CONSTRUCTION.
 7. THE SITE SHALL BE DEVELOPED IN ACCORDANCE WITH THE APPROVED SITE PLAN.
 8. ALL SIGNAGE FOR THE PROJECT SHALL BE NON-ILLUMINATED.
 9. ALL OUTDOOR LIGHTING SHALL BE INSTALLED SO AS NOT TO SHINE OR REFLECT DIRECTLY ONTO SURROUNDING PROPERTIES.
 10. A PORTION OF VISION DRIVE THAT BISECTS THE PROPERTY SHALL BECOME A PUBLIC THROUGH-STREET TO BRING THE DEVELOPMENT INTO COMPLIANCE WITH THE 500 FEET AND 800 FEET LENGTH LIMITS AS SPECIFIED IN THE TECHNICAL STANDARDS.
 11. ALL CITY, STATE AND FEDERAL REGULATIONS SHALL BE MET.
 12. ALL TECHNICAL REVIEW COMMITTEE COMMENTS SHALL BE FOLLOWED.
- OF THE PROPOSED 291 PARKING SPACES, AT LEAST 50 PERCENT OF THOSE SPACES MUST BE OF PERVIOUS MATERIAL. DRIVE AISLES WITHIN THE PROPOSED PARKING LOT CAN BE PAVED WITH IMPERVIOUS MATERIALS.

- SU-8-106-M909**
1. GEORGE TRASK DRIVE IS EXTENDED AS A PUBLIC ROAD FROM CARDINAL DRIVE CONNECTING TO VISION DRIVE. THE PRIVATE ACCESS ROAD BETWEEN CARDINAL DRIVE AND VISION DRIVE/GEORGE TRASK DRIVE INTERSECTION SHALL BE CONSTRUCTED TO CITY PUBLIC STREET STANDARDS FOR COLLECTOR STREETS. IF THE REMAINDER OF THE PROPERTY NORTH OF THE PORT CITY COMMUNITY CHURCH PROJECT IS DEVELOPED FOR ANY USE OTHER THAN A RELIGIOUS INSTITUTION, THEN THE PRIVATE ACCESS ROAD SHALL BECOME A PUBLIC STREET PRIOR TO ANY ZONING PERMIT BEING ISSUED. THIS APPROVAL DOES NOT RELIEVE THE CHURCH FROM A VARIANCE FROM THE CITY OF WILMINGTON'S TECHNICAL STANDARDS AND SPECIFICATIONS MANUAL REGARDING DRIVEWAY LENGTHS IF THE REMAINDER OF THE PROPERTY NORTH OF THE PORT CITY COMMUNITY CHURCH PROJECT IS DEVELOPED AS AN EXTENSION OF THE CHURCH CAMPUS.
 2. ALL SIGNAGE FOR THE PROJECT SHALL BE NON-ILLUMINATED.
 3. ALL OUTDOOR LIGHTING SHALL BE INSTALLED SO AS NOT TO SHINE OR REFLECT DIRECTLY ONTO SURROUNDING PROPERTIES.
 4. THE DEVELOPER SHALL PROVIDE APPROPRIATE EASEMENTS FOR MUNICIPAL AND NON-MUNICIPAL UTILITIES.
 5. A TREE REMOVAL PERMIT AND LANDSCAPING PLAN SHALL BE REQUIRED PRIOR TO RELEASE OF THE PROJECT FOR CONSTRUCTION.
 6. FOLLOW THE REQUIREMENTS OF THE TIA.
 7. TREES DESIGNATED TO BE PRESERVED MUST BE PROPERLY PROTECTED DURING CONSTRUCTION.
 8. ALL MISSING OR BROKEN SIDEWALK PANELS SHALL BE REPLACED.



LEGEND

- 207 Cardinal Extension Dr. Emma G. Cusick, Trustee PIN R05010-008-012-000
- 209 Cardinal Extension Dr. Margaret E. & Timothy J. Murphy PIN R05010-008-011-000
- 211 Cardinal Extension Dr. Mary Louise Breshin PIN R05010-008-010-000
- 213 Cardinal Extension Dr. Christopher A. & Sandy S. Huchens PIN R05010-008-009-000
- 215 Cardinal Extension Dr. Jennifer H. Hodges PIN R05010-008-008-000
- 217 Cardinal Extension Dr. Albert S. Walls PIN R05010-008-007-000
- 219 Cardinal Extension Dr. Crystal D. Liniger PIN R05010-008-006-000
- 221 Cardinal Extension Dr. Ed M. & Jeanne L. Corbin PIN R05010-008-005-000
- 223 Cardinal Extension Dr. John C. Hunter PIN R05010-008-004-000
- 225 Cardinal Extension Dr. James Frank Elford, Jr. PIN R05010-008-003-000
- 227 Cardinal Extension Dr. Kathy L. & Edgar C. Dove PIN R05010-008-002-000
- 229 Cardinal Extension Dr. James Walter Corbett PIN R05010-008-001-000
- 305 Cardinal Extension Dr. David A. Williams PIN R05010-003-080-000
- 307 Cardinal Extension Dr. Patricia A. Ross PIN R05010-003-079-000
- 309 Cardinal Extension Dr. James & Ursula Fagan PIN R05010-003-078-000
- 311 Cardinal Extension Dr. Marie F. Nelson, Heirs PIN R05010-003-077-000
- 313 Cardinal Extension Dr. Danny Robert Steele PIN R05010-003-076-000
- 315 Cardinal Extension Dr. Annette O. & Peter L. Wilson PIN R05010-003-075-000
- 317 Cardinal Extension Dr. Jenny Ruggiero, Etal PIN R05010-003-074-000
- 319 Cardinal Extension Dr. George R. & Julia C. Huntley PIN R05010-003-073-000
- 321 Cardinal Extension Dr. Delores U. Mayo PIN R05010-003-072-000
- 323 Cardinal Extension Dr. Peter L. & Annette Wilson, Etal PIN R05010-003-071-000
- 325 Cardinal Extension Dr. Gregory George Gallas PIN R05010-003-070-000
- 329 Cardinal Extension Dr. Deborah A. Packer PIN R05014-015-019-000
- 327 Cardinal Extension Dr. David W. Hammond PIN R05014-015-020-000
- 331 Cardinal Extension Dr. William J. Dail PIN R05014-015-018-000

REV. #	DESCRIPTION	REV. BY	DATE
2	TRC COMMENTS 6/18/15 TREE REMOVAL, TREE PROTECTION, HC PARKING SUMMARY, TRAFFIC FACILITY INVENTORY, SW APPROVAL STAMP.		
1	CONCEPT TRC COMMENTS 8/6/14 ADDITIONAL OVERFLOW, 2WAY DRIVE		



OWNER:
PORT CITY
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250 VISION DRIVE
WILMINGTON, NC 28403
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FAX: (910) 202-8900

Coastal Land Design, PLLC
Civil Engineering, Landscape Architecture
Land Planning, Construction Management
NCBELS Firm License No. P-02689
P.O. Box 1172
Wilmington, NC 28402 www.clddesign.com Fax: 910-254-8033

DRAWN : F.BRAXTON	PROJECT NUMBER : 400-01
DESIGN : F.BRAXTON	SCALE : 1"=80'
CHECK : J.PETROFF	DATE : 06/18/14
APPROVED : F.BRAXTON	FILE NAME : Y:\000\400-01\dwg\SUPM00

PC3 OVERFLOW PARKING

PROPOSED MASTER PLAN

SITE DATA

OWNER: PORT CITY COMMUNITY CHURCH
250 VISION DRIVE
WILMINGTON, NC 28403

PIN/ACREAGE: R05000-002-004 16.44 AC
R05000-015-000 13.15 AC
TOTAL 29.60 AC (1,289,376.00 SF)

(ACREAGE REDUCTION DUE TO R/W AND STORMWATER DEDICATION)

ZONING: RB/R-10/R-15 CITY OF WILMINGTON
SPECIAL USE PERMIT #SU-8-106
LAND USE: RELIGIOUS INSTITUTION

BUILDING COVERAGE
EXISTING BUILDING COVERAGE: 80,300 SF
TOTAL BUILDING COVERAGE: 80,300 SF (6.2%)

BUILDING HEIGHT
EXISTING CHURCH BUILDING: 39 FT.

IMPERVIOUS COVERAGE
EXISTING IMPERVIOUS AREA: 352,400 SF
PROPOSED IMPERVIOUS AREA: 81,893 SF

TOTAL IMPERVIOUS AREA: 434,293 SF
PERCENT IMPERVIOUS: 34.0%

PARKING CALCULATIONS
PARKING REQUIREMENT IS BASED ON SEATING CAPACITY

SEATING: MAIN 1,846 SEATS
YOUTH 498 SEATS
TOTAL 2,344 SEATS

(INCREASED SEATING CAPACITY BY 684 SEATS)

MIN. PARKING@1/4 SEATS = 586 SPACES
MAX. PARKING@1/3 SEATS = 781 SPACES
MAX. ALLOWED SPACES@25% OVER MAX. = 781 + 195 = 976 SPACES

EXISTING NUMBER OF SPACES = 586 SPACES
PROPOSED SPACES = 291 SPACES
TOTAL NUMBER OF SPACES = 877 SPACES
TOTAL NUMBER OF HC SPACES = 20 SPACES (REQUIRED=18 SPACES)

EXISTING NUMBER OF BICYCLE SPACES = 26 SPACES
(146 SPACES IMPERVIOUS - 145 SPACES PERVIOUS)

SETBACKS (RB ZONING)	SETBACKS (R-10 ZONING)
NO BUILDINGS PROPOSED	NO BUILDINGS PROPOSED
FRONT = 25'	FRONT = 30'
REAR = 15'	REAR = 25'
INTERIOR SIDE = 0'	INTERIOR SIDE = 10'
CORNER SIDE = 25'	CORNER SIDE = 15'

CAMA LAND USE CLASSIFICATION: URBAN TRANSITION

PROJECT AREA THIS SUBMITTAL = 12.50 ACRES

NO ADDITIONAL WATER OR SEWER UTILITIES ARE REQUIRED

PRIVATE SECTION OF VISION DRIVE TO BE DEDICATED AS A PUBLIC STREET

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

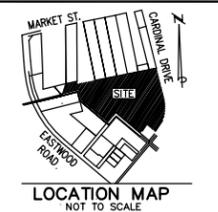
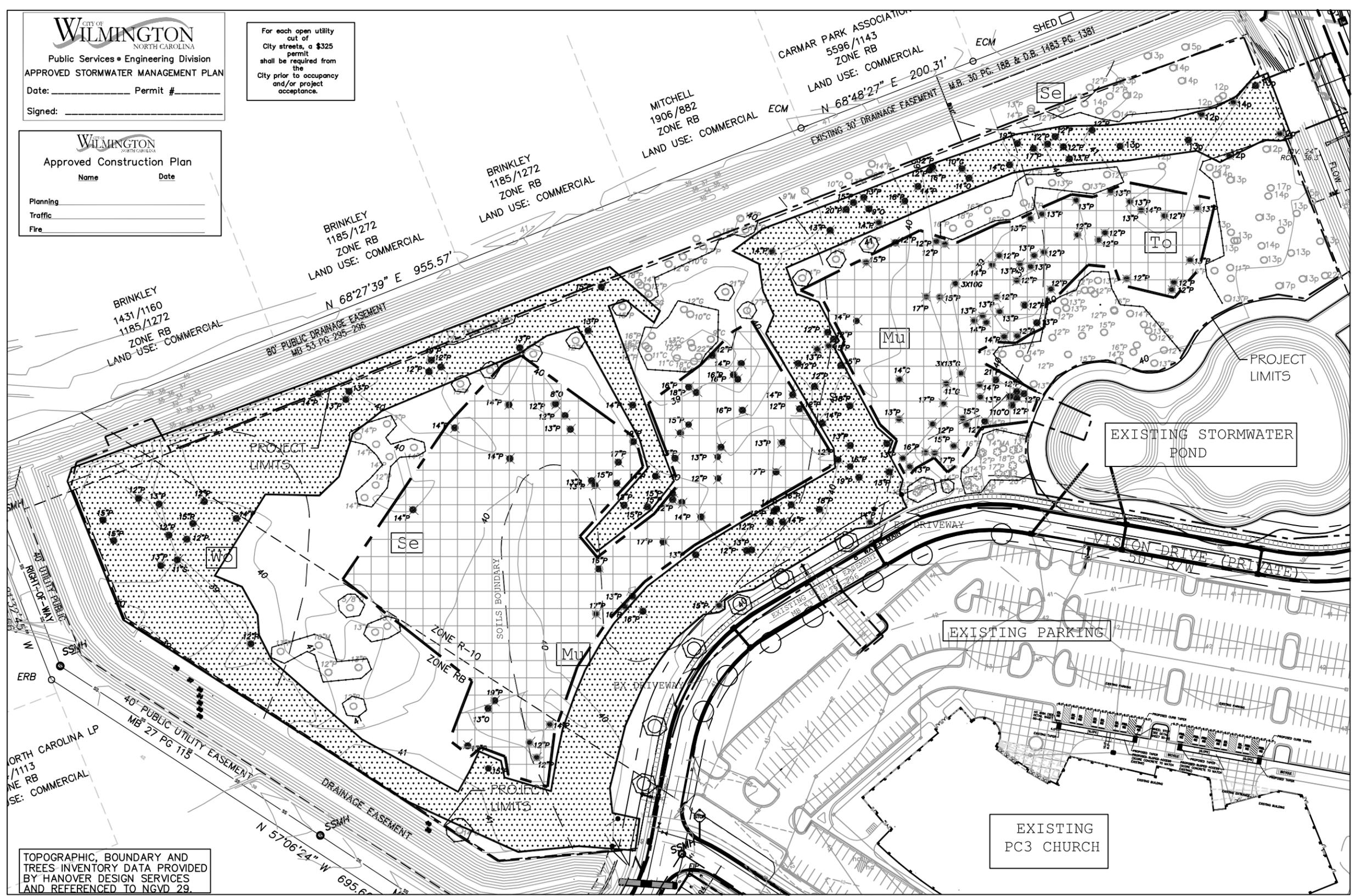
CITY OF WILMINGTON
NORTH CAROLINA
Approved Construction Plan
Name _____ Date _____
Planning _____
Traffic _____
Fire _____

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

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

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

CITY OF WILMINGTON
NORTH CAROLINA
Approved Construction Plan
Name _____ Date _____
Planning _____
Traffic _____
Fire _____



- LEGEND:**
- EXISTING TREE
 - REMOVED TREE
 - TREE PROTECTION FENCING
 - ACTIVITY/EVENTS OVERFLOW PARKING AND CONSTRUCTED PARKING ABOVE THE MID-RANGE
 - CONSTRUCTION AND STORMWATER AREAS

2 TRC COMMENTS 6/18/15
TREE REMOVAL, TREE PROTECTION, HC PARKING SUMMARY, TRAFFIC FACILITY INVENTORY, SW APPROVAL STAMP.

REV. #	DESCRIPTION	REV. BY	DATE
REVISIONS			

FOR CONSTRUCTION



OWNER:
PORT CITY
COMMUNITY CHURCH
250 VISION DRIVE
WILMINGTON, NC 28403
PHONE: (910) 202-8800
FAX: (910) 202-8900

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Civil Engineering / Landscape Architecture
Land Planning / Construction Management
NCEM License No. P-0368
P.O. Box 1172 Wilmington, NC 28402 www.ckdeng.com Phone: 910-254-8333 Fax: 910-254-0502

DRAWN : F. BRAXTON	PROJECT NUMBER : 400-01
DESIGN : F. BRAXTON	SCALE : 1"=50'
CHECK : J. PETROFF	DATE : 07/31/13
APPROVED : F. BRAXTON	FILE NAME : Y:\000\400-01\dwg\SUPMOD

PC3 OVERFLOW PARKING

EXISTING CONDITIONS TREE REMOVAL PLAN

JOB NUMBER **400-01** SHEET NUMBER **SD-2**

TOPOGRAPHIC, BOUNDARY AND TREES INVENTORY DATA PROVIDED BY HANOVER DESIGN SERVICES AND REFERENCED TO NGVD 29.

SOILS DATA

Mu	Murville fine sand
Se	Seagate fine sand
To	Torhunta loamy fine sand
Wo	Woodington fine sandy loam

TREE REMOVAL PHASING
TO ALLOW CONTINUOUS USE OF PROPERTY, TREES SHALL BE REMOVED AS CONSTRUCTION PROGRESSES. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO THE START OF WORK WITHIN THE AFFECTED PHASE.

TREE REMOVAL JUSTIFICATION
THE TREES TO BE REMOVED ARE WITHIN PLANNED ROADWAYS, DRAINAGE WAYS, STORMWATER POND, PARKING AREA, OR CONSTRUCTION ACTIVITY AREAS.

TREE REMOVAL
CONSTRUCTION AND STORMWATER AREAS
REGULATED TREES 61 TREES
SIGNIFICANT TREES 0 TREES
(NO MITIGATION REQUIRED)

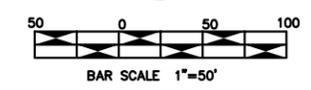
ACTIVITY FIELD/EVENT OVERFLOW PARKING & CONSTRUCTED PARKING ABOVE MID RANGE
REGULATED TREES 77 TREES
SIGNIFICANT TREES 0 TREES
(MITIGATION REQUIRED)

REGULATED TREES TO BE REMOVED

LOBLOLLY PINE	QTY	SIZE	PERCENT	MITIGATION INCHES
	1	21"	50	10.5
	2	19"	50	19
	4	17"	50	34
	1	16"	50	8
	5	15"	50	37.5
	11	14"	50	77
	21	13"	50	136.5
	24	12"	50	144
OAK TREE	2	10"	100	8
	2	10"	100	20
	1	13"	100	13
SWEET GUM	1	10"	75	7.5
	1	11"	75	8.25
	1	13"	75	9.75
	1	14"	75	10.5
TOTAL MITIGATION INCHES				543.5
TOTAL MITIGATION INCHES				543.5/3 = 182 TREES REQUIRED

RETAINED AND PROPOSED TREES FOR MITIGATION

LOBLOLLY PINE	QTY	SIZE	PERCENT	CREDIT
	2	22"	50	4
	1	21"	50	2
	1	19"	50	2
	4	18"	50	8
	1	16"	50	1.5
	10	15"	50	15
	25	14"	50	37.5
	33	13"	50	49.5
	13	12"	50	19.5
OAK TREE	2	10"	100	4
	1	10"	100	2
	1	14"	100	3
	1	19"	100	4
SWEET GUM	1	10"	75	1.5
	2	12"	75	4.5
	1	17"	75	2.25
TOTAL RETAINED TREE CREDITS				164 TREES
PROPOSED NEW TREES				46 TREES
TOTAL TREES FOR MITIGATION				230 TREES



VISION DRIVE NOTE
VISION DRIVE TO BE DEDICATED TO THE CITY AS A PUBLIC STREET



Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN

Date: _____ Permit # _____
Signed: _____



Approved Construction Plan

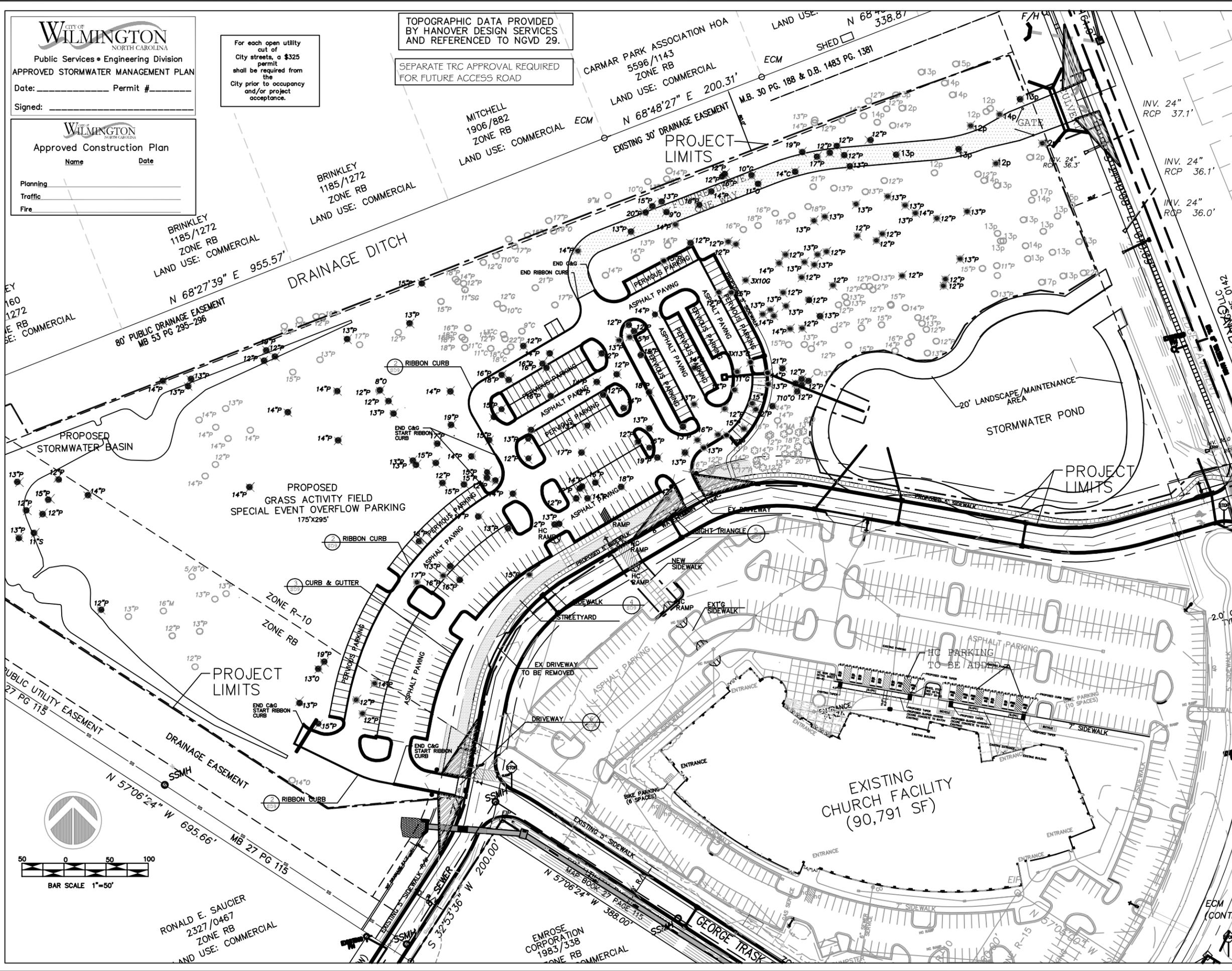
Name _____ Date _____

Planning _____
Traffic _____
Fire _____

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

TOPOGRAPHIC DATA PROVIDED BY HANOVER DESIGN SERVICES AND REFERENCED TO NGVD 29.

SEPARATE TRC APPROVAL REQUIRED FOR FUTURE ACCESS ROAD



LEGEND

Table with 3 columns: REV. #, DESCRIPTION, REV. BY DATE. Includes a section for REVISIONS.

2 TRC COMMENTS 6/18/15
TREE REMOVAL, TREE PROTECTION, HC PARKING SUMMARY, TRAFFIC FACILITY INVENTORY, SW APPROVAL STAMP.

Table with 3 columns: REV. #, DESCRIPTION, REV. BY DATE. Includes a section for REVISIONS.



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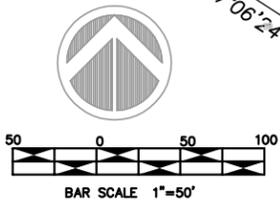
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Fax: 910-254-2502

Table with 2 columns: DRAWN, DESIGN, CHECK, APPROVED, PROJECT NUMBER, SCALE, DATE. Includes file name: Y:\000\400-01\dwg\SUPM0D

PC3 OVERFLOW PARKING

PROPOSED SITE PLAN WITH TREE OVERLAY

JOB NUMBER: 400-01 SHEET NUMBER: SD-3



RONALD E. SAUCIER
2327/0467
ZONE RB
LAND USE: COMMERCIAL

EMROSE CORPORATION
1983/338
ZONE RB
COMMERCIAL

GEORGE TRASK



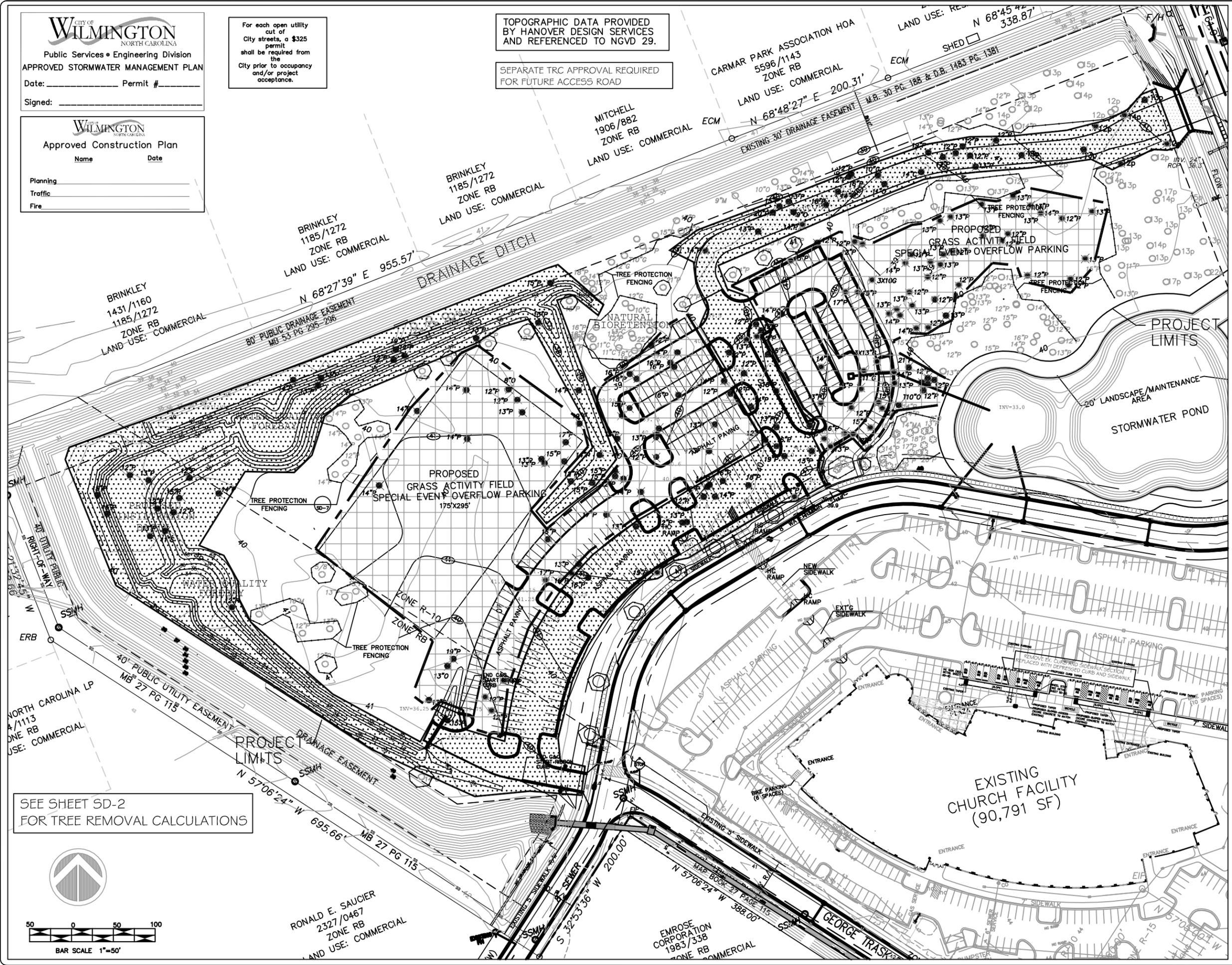
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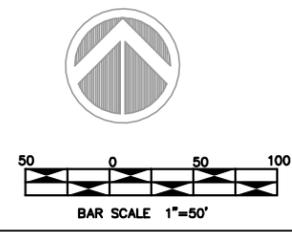
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SEPARATE TRC APPROVAL REQUIRED FOR FUTURE ACCESS ROAD

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



SEE SHEET SD-2 FOR TREE REMOVAL CALCULATIONS



- LEGEND:**
- EXISTING TREE
 - REMOVED TREE
 - TREE PROTECTION FENCING
 - TREE PROTECTION FENCING
 - ACTIVITY/EVENTS OVERFLOW PARKING AND CONSTRUCTED PARKING ABOVE THE MID-RANGE
 - CONSTRUCTION AND STORMWATER AREAS

2 TRC COMMENTS 6/18/15
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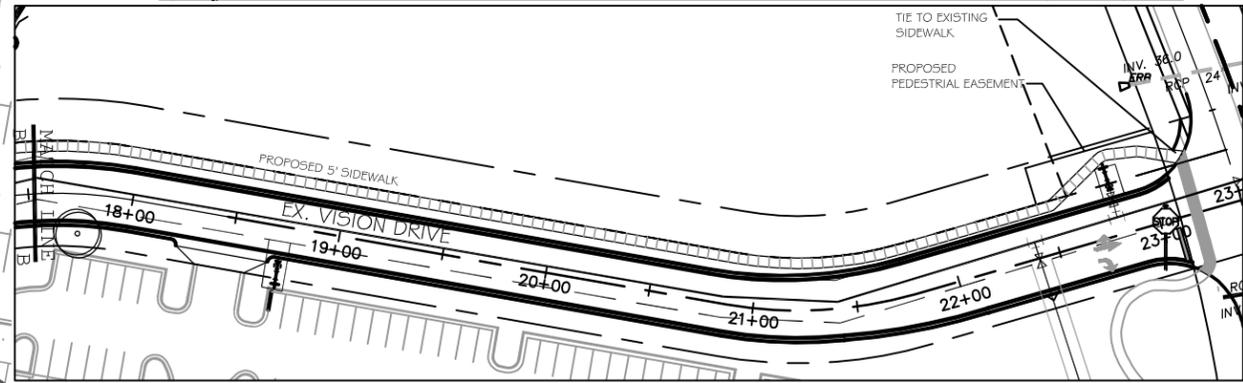
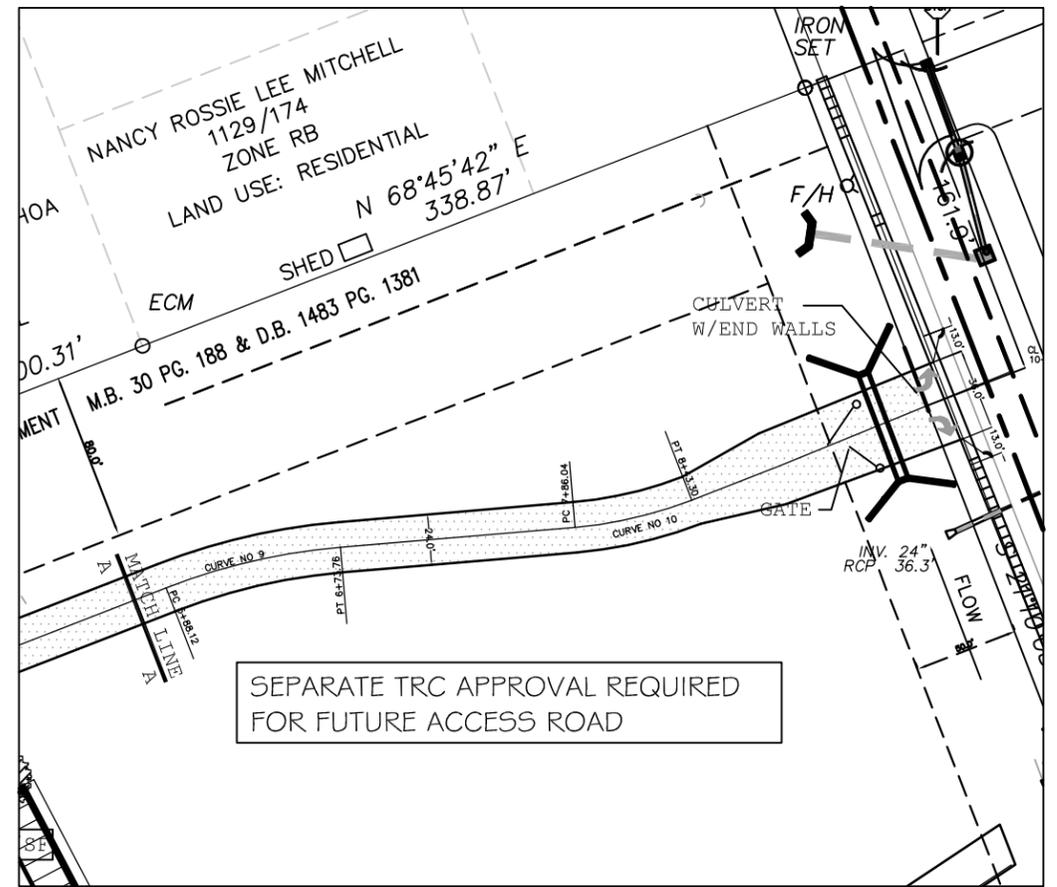
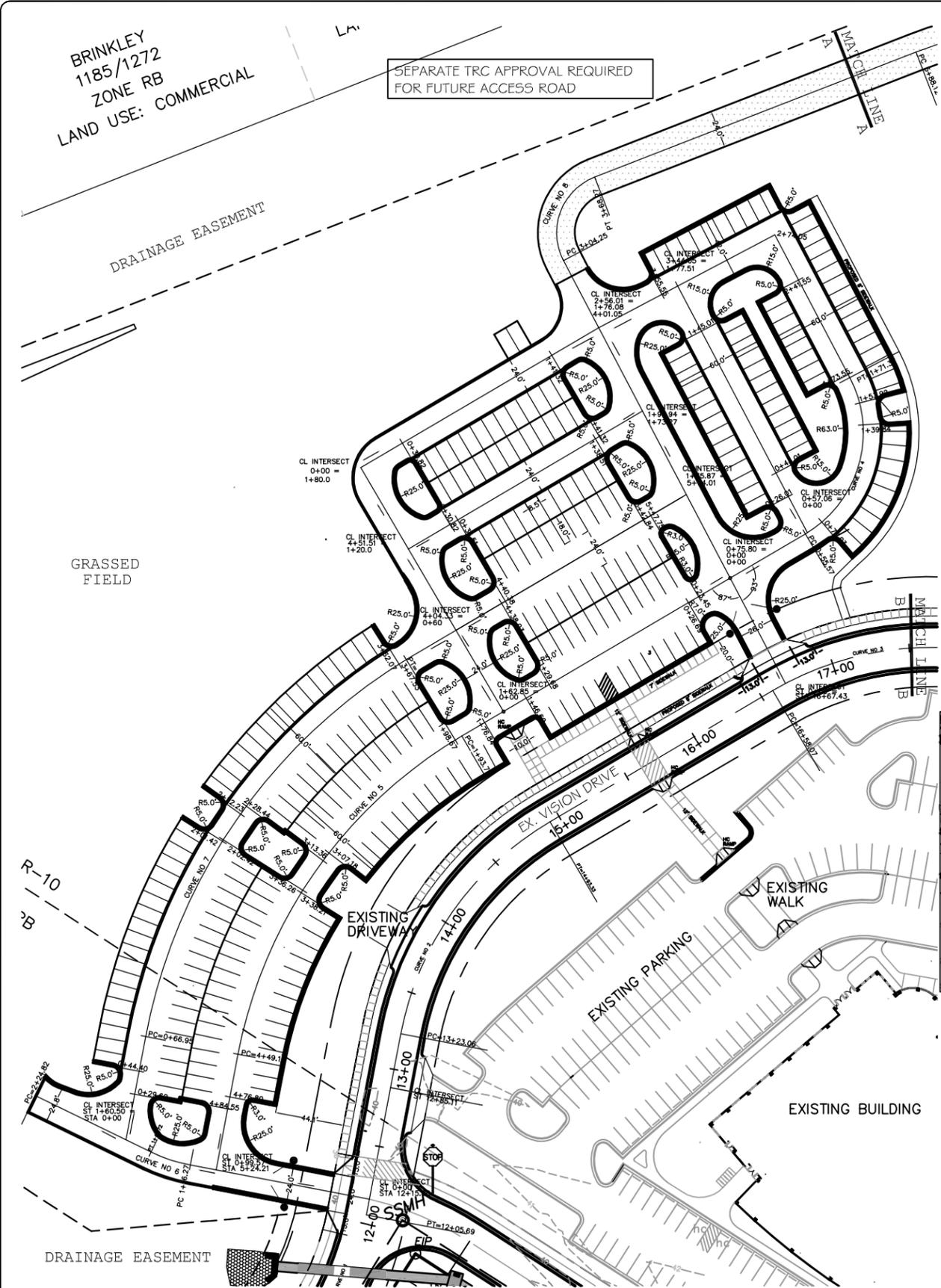
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DRAWN : F.BRAXTON	PROJECT NUMBER : 400-01
DESIGN : F.BRAXTON	SCALE : 1"=50'
CHECK : J.PETROFF	DATE : 06/18/14
APPROVED : F.BRAXTON	FILE NAME : Y:\000\400-01\dwg\SUPMOD

PC3 OVERFLOW PARKING

TREE REMOVAL PLAN

JOB NUMBER **400-01** SHEET NUMBER **SD-4**



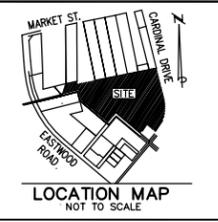
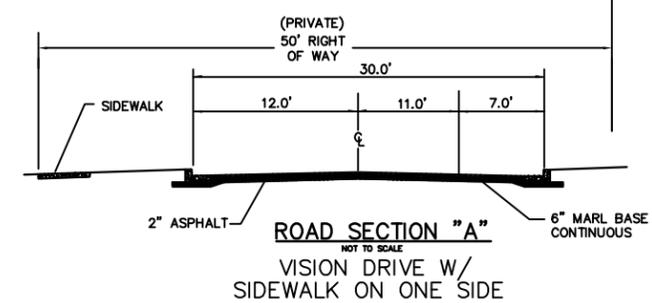
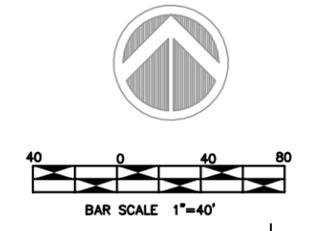
For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

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

CITY OF WILMINGTON
NORTH CAROLINA
Approved Construction Plan
Name _____ Date _____
Planning _____
Traffic _____
Fire _____

Curve Data

CURVE	A	R	T	L
1	22°08'08"	200.0'	77.18'	
2	37°58'12"	200.0'	170.27'	
3	40°23'17"	200.0'	140.98'	
4	67°19'05"	75.0'	114.30'	
5	48°48'40"	300.0'	296.00'	
6	19°09'12"	100.0'	26.45'	
7	48°48'40"	300.0'	300.98'	
8	88°32'00"	36.0'	64.02'	
9	18°21'24"	300.0'	85.84'	
10	18°42'18"	300.0'	87.28'	



LEGEND

2 TRC COMMENTS 6/18/15
TREE REMOVAL, TREE PROTECTION,
HC PARKING SUMMARY, TRAFFIC
FACILITY INVENTORY, SW APPROVAL
STAMP.

REV. #	DESCRIPTION	REV. BY	DATE
REVISIONS			



OWNER:
PORT CITY
COMMUNITY CHURCH
250 VISION DRIVE
WILMINGTON, NC 28403
PHONE: (910) 202-8800
FAX: (910) 202-8900

Coastal Land Design, PLLC
Civil Engineering / Landscape Architecture
Land Planning / Construction Management
P.O. Box 1172
Wilmington, NC 28402 www.cladeng.com Fax: 910-254-0502

DRAWN : F.BRAXTON	PROJECT NUMBER : 400-01
DESIGN : F.BRAXTON	SCALE : 1"=40'
CHECK : J.PETROFF	DATE : 06/18/14
APPROVED : F.BRAXTON	FILE NAME : Y:\000\400-01\dwg\SUPM00

PC3 OVERFLOW PARKING

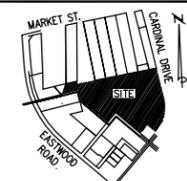
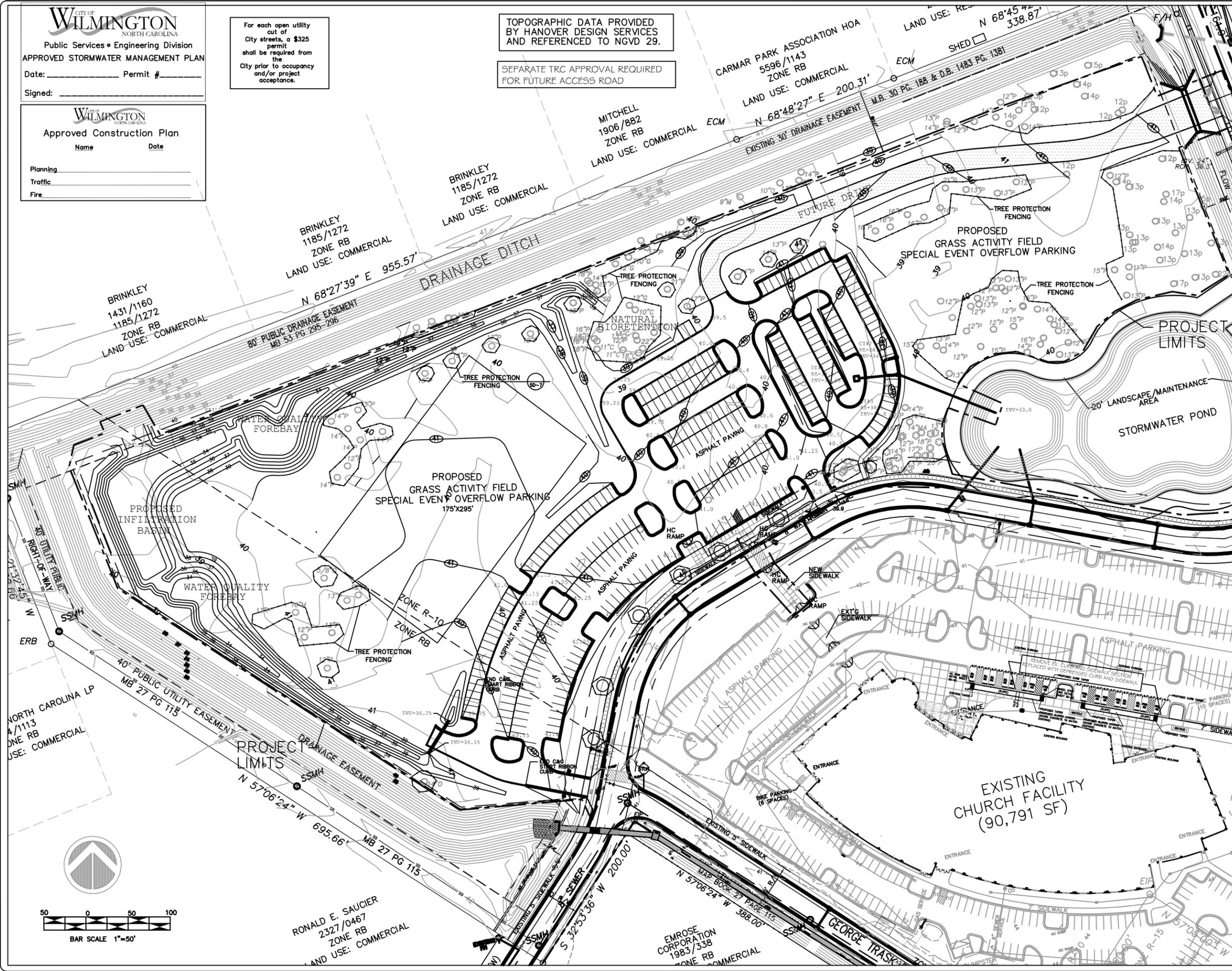
PROPOSED SITE LAYOUT PLAN

JOB NUMBER **400-01** SHEET NUMBER **SD-5**

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

TOPOGRAPHIC DATA PROVIDED BY HANOVER DESIGN SERVICES AND REFERENCED TO NGVD 29.

SEPARATE TRC APPROVAL REQUIRED FOR FUTURE ACCESS ROAD



LOCATION MAP
NOT TO SCALE

LEGEND

REV. #	DESCRIPTION	REV. BY	DATE
2	TRC COMMENTS		6/18/15
	TREE REMOVAL, TREE PROTECTION, HC PARKING SUMMARY, TRAFFIC FACILITY INVENTORY, SW APPROVAL STAMP.		

REV. #	DESCRIPTION	REV. BY	DATE
	REVISIONS		



OWNER:
PORT CITY
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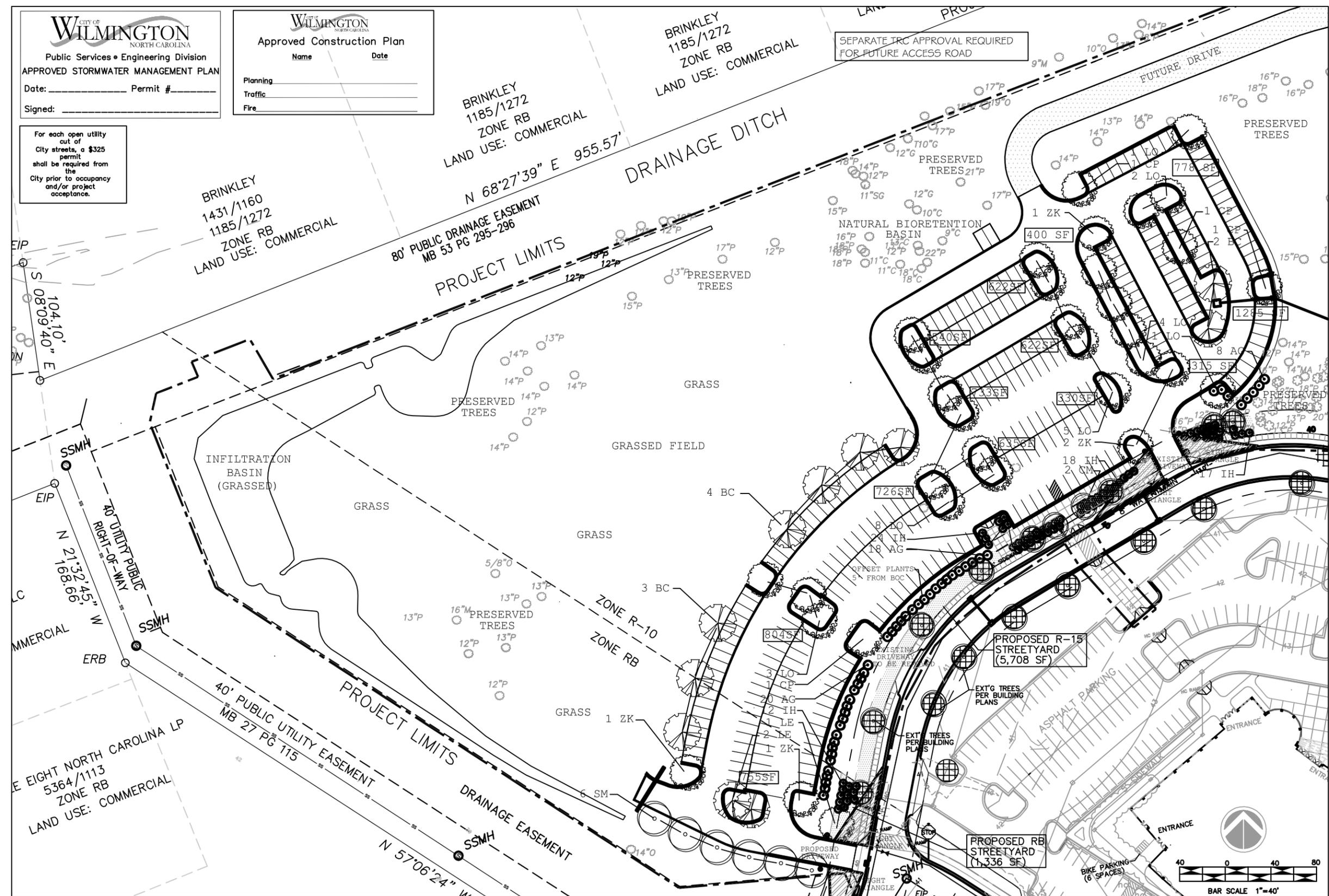
Coastal Land Design, PLLC
Civil Engineering / Landscape Architecture
Land Planning / Construction Management
NCBELS Firm License No: P-02999
P.O. Box 1172
Wilmington, NC 28402
www.cldesign.com
Phone: 910-254-8333
Fax: 910-254-0502

DRAWN : F. BRAXTON	PROJECT NUMBER : 400-01
DESIGN : F. BRAXTON	SCALE : 1"=50'
CHECK : J. PETROFF	DATE : 06/18/14
APPROVED : F. BRAXTON	FILE NAME : Y:\000\400-01\dwg\SUPMOD

PC3 OVERFLOW PARKING

PROPOSED GRADING - DRAINAGE PLAN

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



LEGEND

2 TRC COMMENTS 6/18/15
TREE REMOVAL, TREE PROTECTION,
HC PARKING SUMMARY, TRAFFIC
FACILITY INVENTORY, SW APPROVAL
STAMP.

REV. #	DESCRIPTION	REV. BY	DATE
	REVISIONS		

NOT FOR CONSTRUCTION



OWNER:
PORT CITY
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Coastal Land Design, PLLC
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Land Planning / Construction Management
NCBLS Firm License No: P-42899
P.O. Box 1179 Wilmington, NC 28402 www.clbeng.com Phone: 910-254-9333 Fax: 910-254-0502

DRAWN : F.BRAXTON	PROJECT NUMBER : 400-01
DESIGN : F.BRAXTON	SCALE : 1"=40'
CHECK : J.PETROFF	DATE : 06/18/14
APPROVED : F.BRAXTON	FILE NAME : Y:\000\400-01\dwg\SUPMOD

PC3 OVERFLOW PARKING

PROPOSED LANDSCAPE PLAN

STREET YARD CALCULATIONS OVERFLOW PARKING
REQUIRED STREETYARD = 49LF X 25' = 1,225 SF
(FRONTAGE - RB ZONING)

PROVIDED STREETYARD = 1,336 SF

REQUIRED TREES = 1/600 SF = 2 TREES
REQUIRED SHRUBS = 6/600 SF = 12 SHRUBS

PROVIDED TREES = 2 TREES
PROVIDED SHRUBS = 12 SHRUBS

STREET YARD CALCULATIONS OVERFLOW PARKING
REQUIRED STREETYARD = 435LF X 12' = 5,436 SF
(FRONTAGE - R-10 ZONING)

PROVIDED STREETYARD = 5,708 SF

REQUIRED TREES = 1/600 SF = 9 TREES
REQUIRED SHRUBS = 6/600 SF = 54 SHRUBS

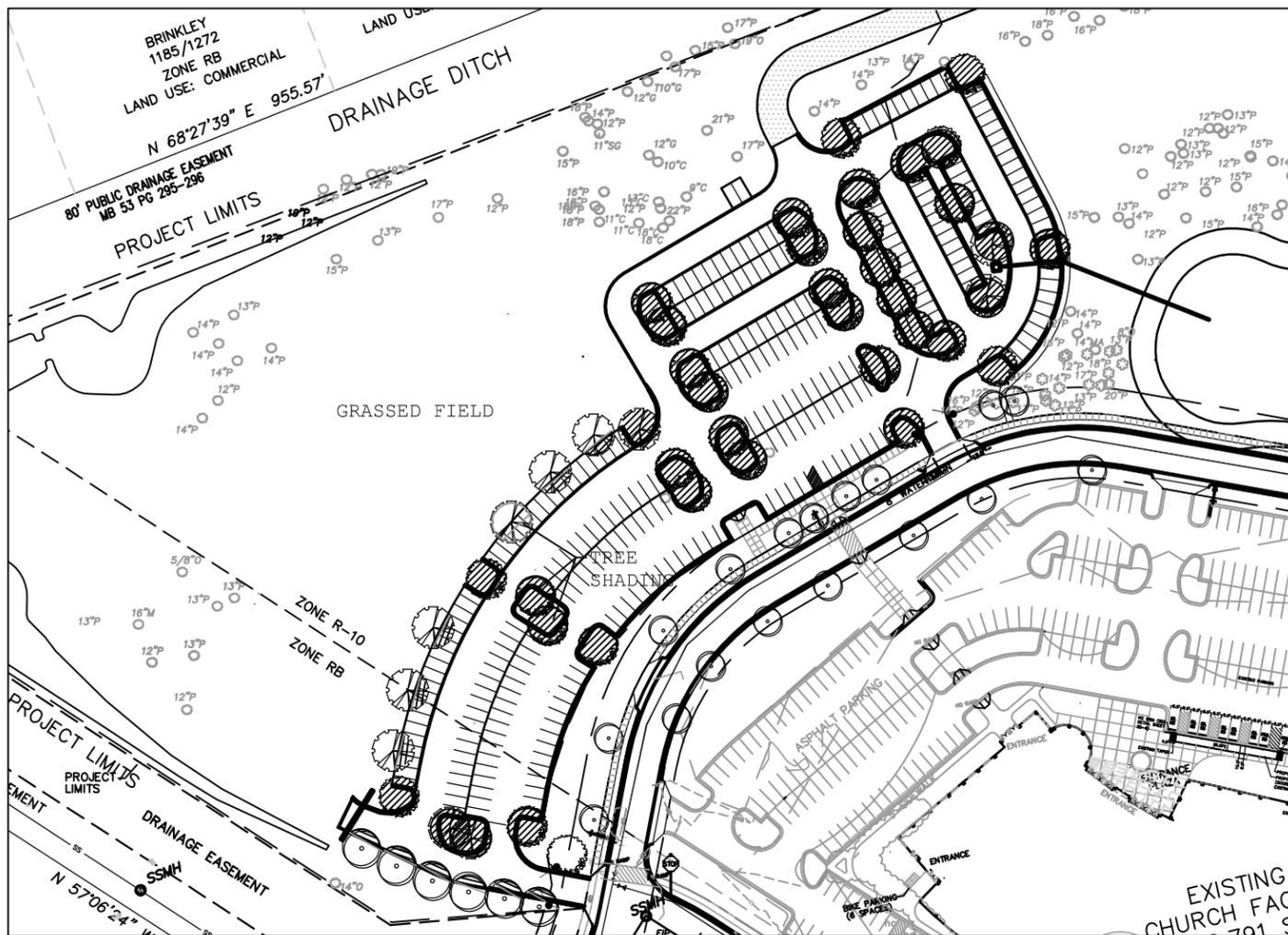
PROVIDED TREES = 9 TREES (7 EXISTING)
PROVIDED SHRUBS = 63 SHRUBS

SITE TREES CALCULATIONS
DISTURBED AREA = 10.71 AC.
REQUIRED SITE TREES = 10.71 AC X 15 = 161 TREES

TOTAL REQUIRED SITE TREES = 161 TREES
PRESERVED TREE CREDITS = 184 TREES*
PROPOSED TREE PLANTINGS = 49 TREES
TOTAL PROVIDED SITE TREES = 233 TREES
*SEE SHEET SD-4

PLANT LIST							
QTY	COMMON NAME	BOTANICAL NAME	CALIPER	SIZE	COMMENT	CODE	LOCATION
20	LIVE OAK	QUERCUS VIRGINIANA	2.5		B-B	LO	Parking
9	BALDCYPRESS	TAXODIUM DISTICHUM	2.5		B-B	BC	Parking
5	ZELKOVA	ZELKOVA SERRATA	2.5		B-B	ZK	Parking
4	CHINESE PISTACHE	PISTACIA CHINENSIS	2.5		B-B	CP	Parking
6	SOUTHERN MAGNOLIA	MAGNOLIA GRANDIFLORA	2.5		B-B	SM	Parking
3	LACEBARK ELM	ULMUS PARVIFOLIA 'ALLEE'	2.5		B-B	LE	PK-SY
2	CRAPE MYRTLE	LAGERSTROEMIA 'NATCHEZ'		8-10'		CM	SY
	SHRUBS						
46	ABELIA	ABELIA GRANDIFLORA		36"HT		AG	Parking
71	INDIAN HAWTHORN	RHAPHIOLEPIS INDIA 'ELEANOR TABER'		36"HT		IH	SY

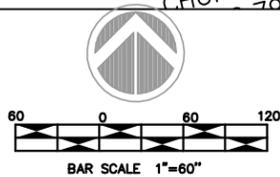
PK-SY: PARKING-STREETYARD SY: STREETYARD PARKING; INTERIOR AND SCREENING



TREE SHADING CALCULATIONS - PARKING AREA

PARKING AREA IMPERVIOUS	=	80,239.00 SF
35% REQUIRED SHADING	=	28,084.00 SF
SHADING PROVIDED:		
PROPOSED ISLAND TREES: 38@707 SF	=	26,866 SF
PROPOSED PERIMETER TREES: 12@208 SF	=	2,496 SF
TOTAL SHADING = 29,362 SF (37.0%)		

SHADING PLAN



NOTE: THE CRITICAL ROOT ZONE (CRZ) OF A TREE IS WHERE THE MAJORITY OF A TREE'S ROOTS LAY. 85% OF MOST TREE ROOTS ARE FOUND IN THE TOP 24" OF THE SOIL AND SUPPLY THE MAJORITY OF NUTRIENTS AND WATER. GENERALLY, ROOTS SPREAD OUT 2-3X THE HEIGHT OF THE TREE.

NOTE: THE CROWN OF THE TREE IS NEEDED FOR LEAF GROWTH TO PRODUCE OXYGEN, FILTER THE AIR, REDUCE WIND AND SOFTEN NOISE. DO NOT DISFIGURE CROWN WITH INTENSIVE PRUNING.

NOTES:

1. PROTECT CRITICAL ROOT ZONE (CRZ) OF TREES PRIOR TO CONSTRUCTION. CLEARLY MARK THE TREES AND ERECT A PROTECTIVE BARRIER AT THE CRZ. BARRIER SHALL BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETE.
2. CRZ RADIUS IS 1 FT PER INCH OF TREE DIAMETER AT BREAST HEIGHT (DBH).
3. IF CONSTRUCTION OCCURS WITHIN THE CRZ, AT LEAST 12" OF MULCH AND/OR LOGGING MATS SHALL BE PLACED WHERE MACHINERY MANEUVERS TO REDUCE SOIL COMPACTION IN THIS ZONE.
4. WHERE SIDEWALKS AND PATHWAYS PASS WITHIN CRZ, EXTRA CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ROOTS. ALTERNATE CONSTRUCTION METHODS, SUCH AS A REINFORCED SIDEWALK, SHALL BE IMPLEMENTED AS NECESSARY.
5. FOR ALL TREES, CUTTING OF LARGE STRUCTURAL ROOTS LOCATED NEAR THE BASE OF THE TRUNK IS PROHIBITED. DO NOT COMPACT SOIL BENEATH TREES. NO VEHICLE SHALL BE ALLOWED TO PARK UNDER TREES. NO MATERIALS OR EQUIPMENT SHALL BE STORED BENEATH TREES, DAMAGING THE BARK WITH LAWNMOWERS, CONSTRUCTION EQUIPMENT, OR ANYTHING ELSE IS PROHIBITED. CONTRACTOR SHALL REPAIR DAMAGE TO TREES.
6. FAILING TO INSTALL OR MAINTAIN PROTECTION MEASURES SHALL RESULT IN A STOP WORK ORDER AND FINE OF \$500/DAY. DISTURBANCE OTHER THAN THAT ALLOWED ON THE APPROVED PLAN WILL REQUIRE OWNER TO POST A LETTER OF CREDIT FOR 3 YRS. FOR TREE MITIGATION.

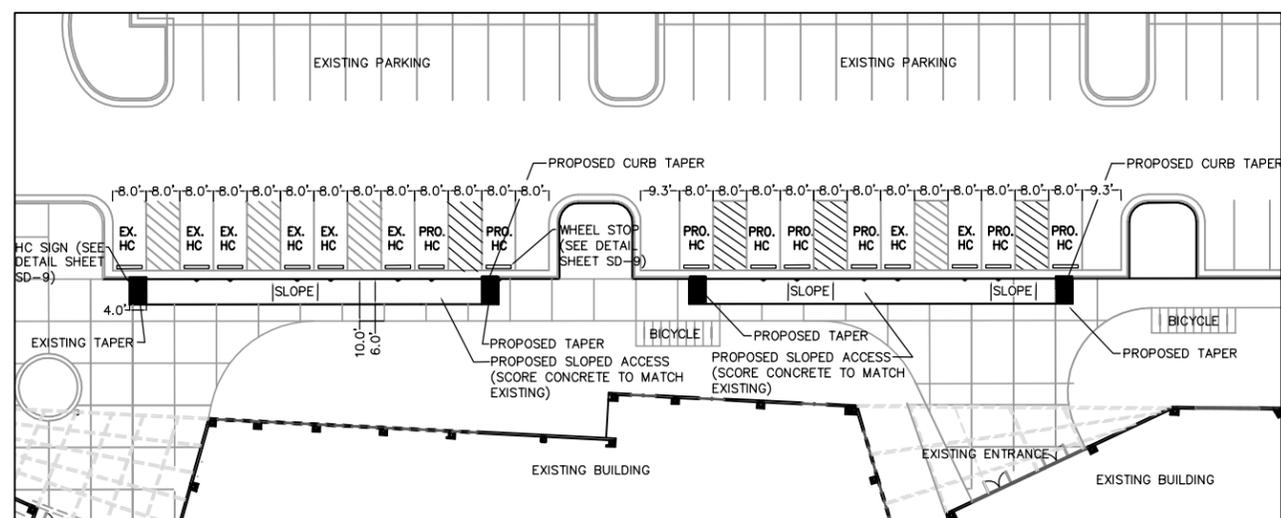
FRONT VIEW

SIDE VIEW

WARNING SIGN DETAIL

NOTES:

1. THE TREE PROTECTION FENCING SHALL NOT BE VIOLATED FOR THE ENTIRE DURATION OF THE PROJECT WITHOUT APPROVAL FROM URBAN FORESTRY STAFF.
2. WARNING SIGNS TO BE MADE OF DURABLE, WEATHERPROOF MATERIAL. LETTERS TO BE 3" HIGH, MINIMUM, CLEARLY LEGIBLE AND SPACED AS DETAILED.
3. SIGNS SHALL BE PLACED AT 50' MAXIMUM INTERVALS. PLACE A SIGN AT EACH END OF LINEAR TREE PROTECTION AND 50' ON CENTER THEREAFTER. FOR TREE PROTECTION AREAS LESS THAN 100' IN PERIMETER, PROVIDE NO LESS THAN TWO SIGNS PER PROTECTION AREA.
4. ATTACH SIGNS SECURELY TO FENCE POSTS AND FABRIC. MAINTAIN TREE PROTECTION FENCE AND SIGNS THROUGHOUT DURATION OF PROJECT.
5. TREE PROTECTION FENCING AND SIGNAGE SHALL BE REMOVED AFTER CONSTRUCTION.
6. ADDITIONAL SIGNS MAY BE REQUIRED BY CITY OF WILMINGTON, BASED ON ACTUAL FIELD CONDITIONS.



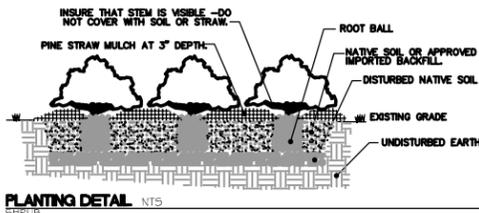
PROPOSED ADDITIONAL HANDICAPPED PARKING

Overflow HC Spaces are being located at the Building Entrances per ADA Code.

LANDSCAPE NOTES

1. ALL LANDSCAPE MATERIAL MUST BE INSTALLED PRIOR TO FINAL BUILDING INSPECTION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND/OR RELOCATION OF EXISTING UTILITIES IN COORDINATION WITH THE APPROPRIATE UTILITY AGENCY OR COMPANY.
3. CONTRACTOR SHALL NOT SUBSTITUTE FOR ANY OF THE PLANT MATERIAL THAT IS SPECIFIED WITHOUT PRIOR APPROVAL OF THE LANDSCAPE ARCHITECT.
4. VERIFICATION OF TOTAL QUANTITIES AS SHOWN IN THE PLANT LIST SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
5. MULCH UNDER ALL PROPOSED TREES AND SHRUBS WITH PINE NEEDLES AT A 3"-4" DEPTH OR APPROVED EQUAL.
6. PLANT SIZES INDICATED SPECIFY MINIMUM ALLOWABLE SIZES AT PLANTING. WHERE CONTAINER AND HT. SIZES ARE INDICATED FOR A SINGLE SPECIES, BOTH SIZE REQUIREMENTS MUST BE MET.
7. THERE SHALL BE AT LEAST A 3 FT. SEPARATION BETWEEN LANDSCAPED AREAS AND PARKING AREAS TO ALLOW VEHICLE OVERHANG.
8. ALL PLANTINGS USED TO SCREEN THE DRIVES AND PARKING AREAS FROM ADJACENT ROADWAYS WILL NEED TO BE A MINIMUM OF 24" HIGH AT TIME OF INSTALLATION.
9. ALL OTHER AREAS NOT BEING MULCHED TO BE SEED PER SEEDING SCHEDULE INCLUDED AS PART OF THE S&E PLANS.
10. THE OWNERS OF THE PROPERTY AND THEIR AGENTS, HEIRS, OR ASSIGNS SHALL BE RESPONSIBLE FOR THE INSTALLATION, PRESERVATION AND MAINTENANCE OF ALL PLANTING AND PHYSICAL FEATURES SHOWN ON THIS PLAN. THE OWNERS SHALL BE RESPONSIBLE FOR ANNUAL MAINTENANCE OF THE VEGETATION TO INCLUDE BUT NOT BE LIMITED TO:
 - A. FERTILIZATION
TREES/SHRUBS AND GRASSED AREAS
BROADCAST A SLOW RELEASE FERTILIZER OVER THE MULCHED BEDS AT THE RECOMMENDED RATES AS SHOWN ON THE BAGS, ONCE MID-FEBRUARY AND ONCE MID-SEPTEMBER.
THOROUGH WATERING IS REQUIRED UPON COMPLETION.

- B. PRUNING WITHIN LIMITS
PRUNING WHEN NECESSARY, WILL BE DONE TO MAINTAIN THEIR NORMAL GROWTH PATTERN AND TO REMOVE DEAD OR DISEASED PLANT MATERIAL. THERE SHALL BE NO TOPPING OF TREES.
- C. PEST CONTROL (OPTIONAL)
WEED CONTROL TO BE PROVIDED EARLY FEBRUARY, APRIL, JUNE, AUGUST AND OCTOBER IN THE SHRUB/TREE BEDS AND IN THE LAWN AREAS. INSECT DAMAGE SHALL BE TREATED WHEN NECESSARY TO PREVENT DAMAGE TO VEGETATION.
- D. MULCHING
ALL AREAS AROUND THE BUILDING FOUNDATION AND SHRUB/TREE BEDS SHALL BE RE-MULCHED SO THAT THEY CONTAIN A MIN. DEPTH OF TWO INCHES AND A MAXIMUM DEPTH OF THREE INCHES. MULCH USED SHALL BE EQUAL WHICH WAS SUPPLIED DURING THE INSTALLATION OF THE PLANTS.
- E. MOWING
MOWING SHALL BE DONE AS NECESSARY TO KEEP GRASS AT THE APPROPRIATE HEIGHT TO INSURE A HEALTHY GROWTH PATTERN.
- F. PROTECTION OF ROOT ZONES
TREE/SHRUB ROOT ZONES SHOULD BE PROTECTED FROM FUTURE CONSTRUCTION AND EQUIPMENT AS MUCH AS POSSIBLE TO AVOID DAMAGE OR COMPACTION TO THE ROOT AREAS.
- G. WATERING SCHEDULE FOR IRRIGATION SYSTEM
MAINTENANCE SHALL INCLUDE A THOROUGH INITIAL WATERING WITH WEEKLY WATERINGS THEREAFTER FOR THE FIRST 30 DAYS. WATERINGS THEREAFTER BE ON AN AS NEEDED SCHEDULE PER LOCAL CONDITIONS.
- H. STAKE AND WIRE REMOVAL
AT THE END OF THE FIRST YEAR ALL PLANT STAKING AND GUYING SYSTEMS SHALL BE REMOVED.



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

Date: _____ Permit # _____

Signed: _____

CITY OF WILMINGTON
NORTH CAROLINA
Approved Construction Plan

Name _____ Date _____

Planning _____

Traffic _____

Fire _____

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



LEGEND

2 TRC COMMENTS 6/18/15
TREE REMOVAL, TREE PROTECTION, HC PARKING SUMMARY, TRAFFIC FACILITY INVENTORY, SW APPROVAL STAMP.

REV. #	DESCRIPTION	REV. BY	DATE
REVISIONS			



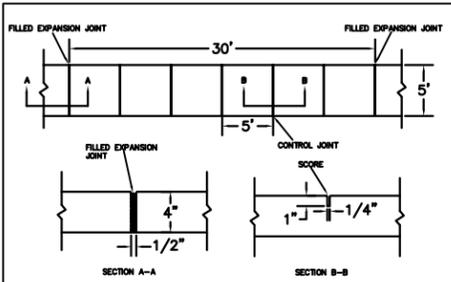
OWNER:
PORT CITY
COMMUNITY CHURCH
250 VISION DRIVE
WILMINGTON, NC 28403
PHONE: (910) 202-8800
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Coastal Land Design, PLLC
Civil Engineering / Landscape Architecture
Land Planning / Construction Management
NCBELS Firm License No. P-0369
P.O. Box 1172, Wilmington, NC 28402 www.cladp.com Phone: 910-254-8333 Fax: 910-254-0502

DRAWN : F.BRAXTON	PROJECT NUMBER : 400-01
DESIGN : F.BRAXTON	SCALE : VARIES
CHECK : J.PETROFF	DATE : 06/18/14
APPROVED : F.BRAXTON	FILE NAME : Y:\000\400-01\dwg\SUPMOD

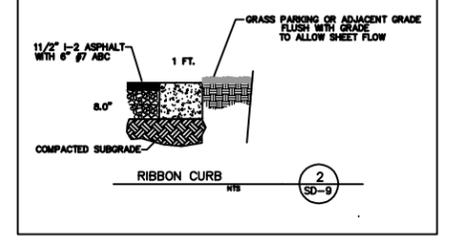
PC3 OVERFLOW PARKING

LANDSCAPE DETAILS SHADING PLAN

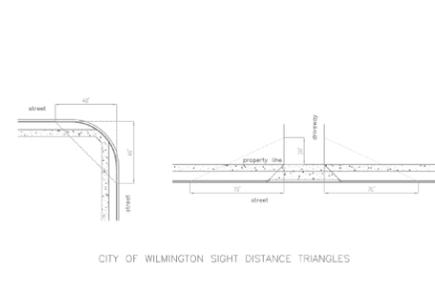


- NOTES:**
- JOINT MATERIAL TO COMPLY WITH CURRENT NCDOT STANDARDS.
 - SANITARY SEWER CLEAN-OUTS, WATER METERS, MANHOLES, AND VALVE LIDS TO BE LOCATED OUTSIDE SIDEWALK WHERE FEASIBLE.
 - MINIMUM SIDEWALK WIDTH TO BE 6' MINIMUM IF PLACED AT BACK OF CURB.
 - CONCRETE FOR ALL SIDEWALKS (EXCEPT ANY PORTION CONTAIN WITHIN A DRIVEWAY APRON) SHALL BE CLASS "A" - 3000 PSI.
 - MINIMUM REPLACEMENT FOR REPAIRS IS 5' X 5' PANEL.
 - 4" STONE BASE MAY BE REQUIRED FOR POOR SOIL CONDITIONS.
 - MINIMUM DEPTH FOR TUNNELING BELOW SIDEWALK IS 12"
 - MAX ADJACENT GROUND SLOPE WITHOUT RAILING IS 2:1
 - MIN GRADE FOR PROPER DRAINAGE IS 1/8" IN AT LEAST 1 DIRECTION. MAX CROSS SLOPE IS 2%. MAX LONGITUDINAL SLOPE IS 0.3%, 10% IF LIMITED BY EXISTING CONDITIONS, OR NO GREATER THAN THE SLOPE OF THE EXISTING ADJACENT ROAD.

**CITY OF WILMINGTON
SIDEWALK DETAIL SD 3-10**
NOT TO SCALE

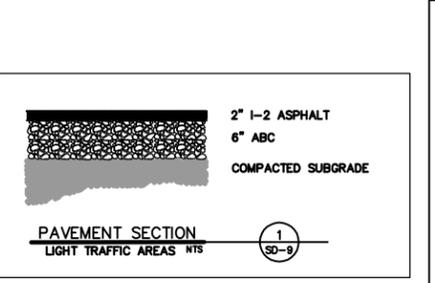


**CITY OF WILMINGTON
RIBBON CURB NTS**
SD-9

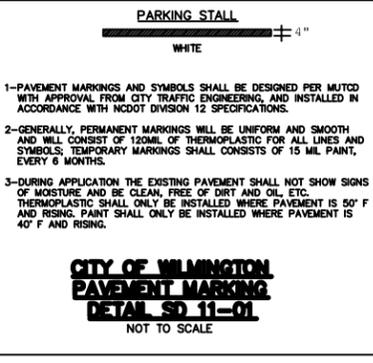


**CITY OF WILMINGTON
SIGHT TRIANGLE**
SD-9

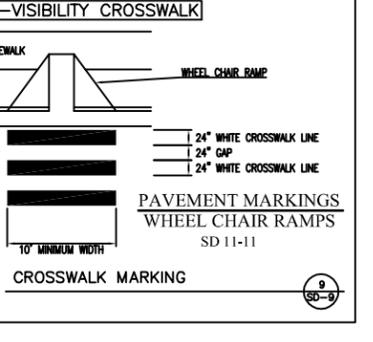
ALL PROPOSED VEGETATION WITHIN THE SIGHT TRIANGLES SHALL NOT INTERFERE WITH CLEAR VISUAL SIGHT LINES FROM 30'-10'



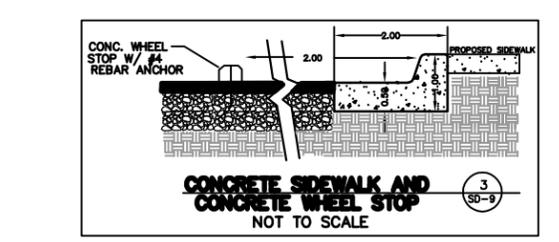
**CITY OF WILMINGTON
PAVEMENT SECTION
LIGHT TRAFFIC AREAS NTS**
SD-9



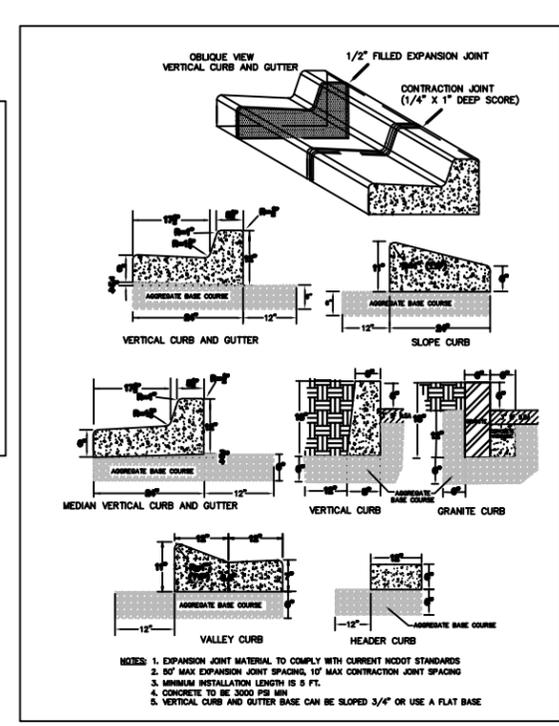
**CITY OF WILMINGTON
PARKING STALL**
SD-9



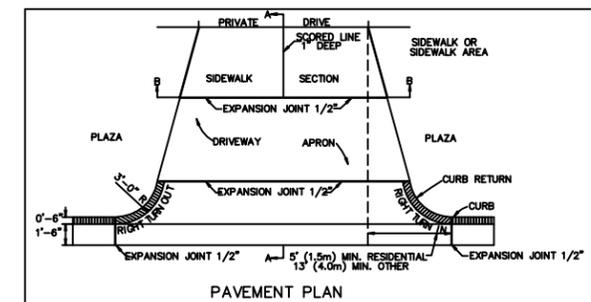
**CITY OF WILMINGTON
HIGH-VISIBILITY CROSSWALK**
SD-9



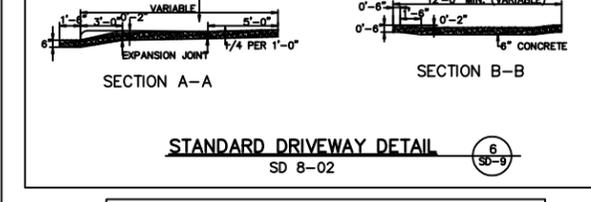
**CITY OF WILMINGTON
CONCRETE WHEEL STOP**
NOT TO SCALE



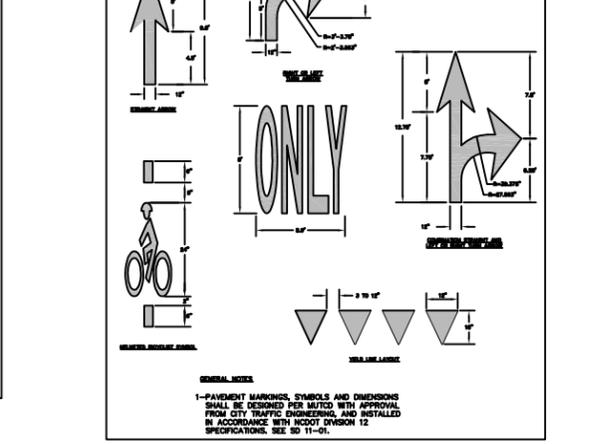
**CITY OF WILMINGTON
CURB AND GUTTER DETAILS**
SD-9



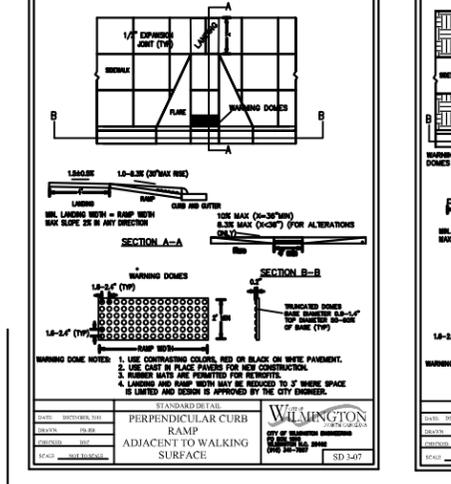
**CITY OF WILMINGTON
PAVEMENT PLAN**
SD-9



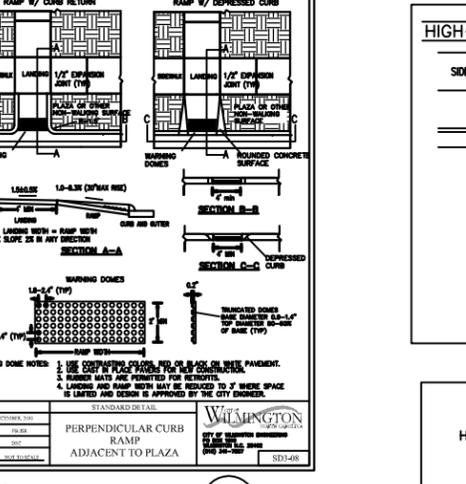
**CITY OF WILMINGTON
STANDARD DRIVEWAY DETAIL**
SD-9



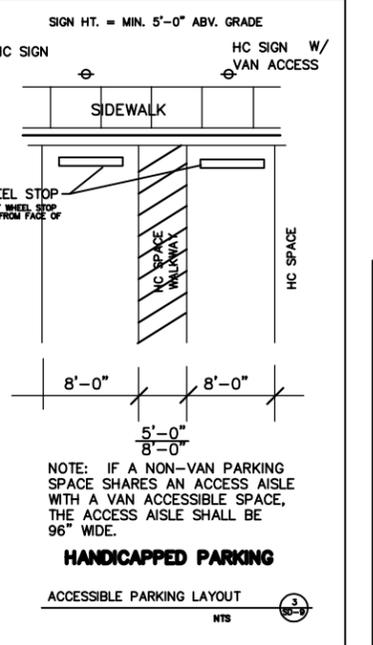
**CITY OF WILMINGTON
PAVEMENT MARKINGS
WHEEL CHAIR RAMP**
SD-9



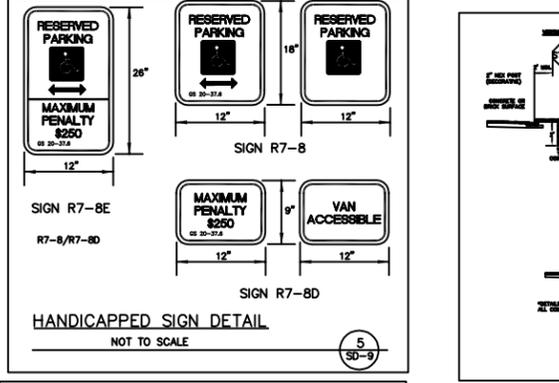
**CITY OF WILMINGTON
GUIDELINES FOR WHEELCHAIR RAMP & DEPRESSED CURBS**
SD-9



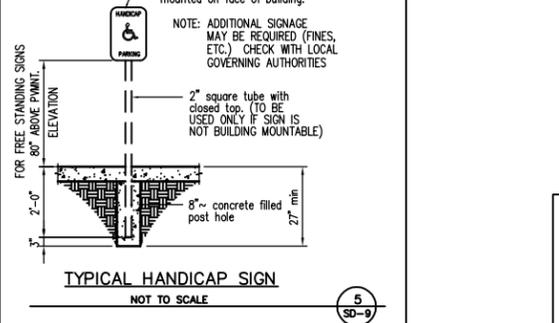
**CITY OF WILMINGTON
STANDARD DETAIL
GUIDELINES FOR WHEELCHAIR RAMP & DEPRESSED CURBS**
SD-9



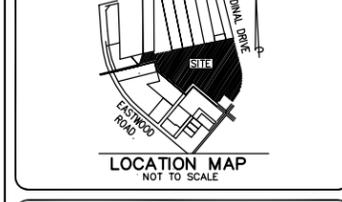
**CITY OF WILMINGTON
HANDICAPPED PARKING**
SD-9



**CITY OF WILMINGTON
HANDICAPPED SIGN DETAIL**
SD-9



**CITY OF WILMINGTON
TYPICAL HANDICAP SIGN**
SD-9

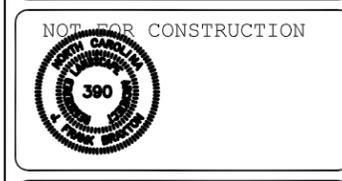


**CITY OF WILMINGTON
LOCATION MAP**
NOT TO SCALE

LEGEND:

2 TRC COMMENTS 6/18/15
TREE REMOVAL, TREE PROTECTION,
HC PARKING SUMMARY, TRAFFIC
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STAMP.

REV. #	DESCRIPTION	REV. BY	DATE



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COMMUNITY CHURCH
250 VISION DRIVE
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Land Planning / Construction Management
NCELS License No. P-0089
P.O. Box 1172
Wilmington, NC 28402 www.cladg.com Phone: 910-254-8933
Fax: 910-254-9502

DRAWN: F. BRAXTON	PROJECT: 400-01
DESIGN: F. BRAXTON	NUMBER:
CHECK: J. PETROFF	SCALE: VARIES
APPROVED: F. BRAXTON	DATE: 06/18/14
FILE NAME: Y:\000\400-01\dwg\SUPM0D	

**PC3
OVERFLOW PARKING**

**PROPOSED
SITE DETAILS**

JOB NUMBER: **400-01** SHEET NUMBER: **SD-9**

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

CITY OF WILMINGTON
NORTH CAROLINA
Approved Construction Plan
Name _____ Date _____
Planning _____
Traffic _____
Fire _____

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

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

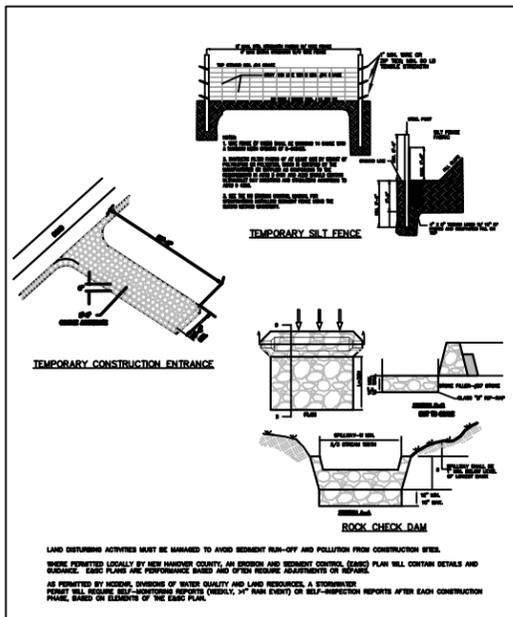
Date: _____ Permit # _____
Signed: _____

CITY OF WILMINGTON
NORTH CAROLINA
Approved Construction Plan
Name _____ Date _____
Planning _____
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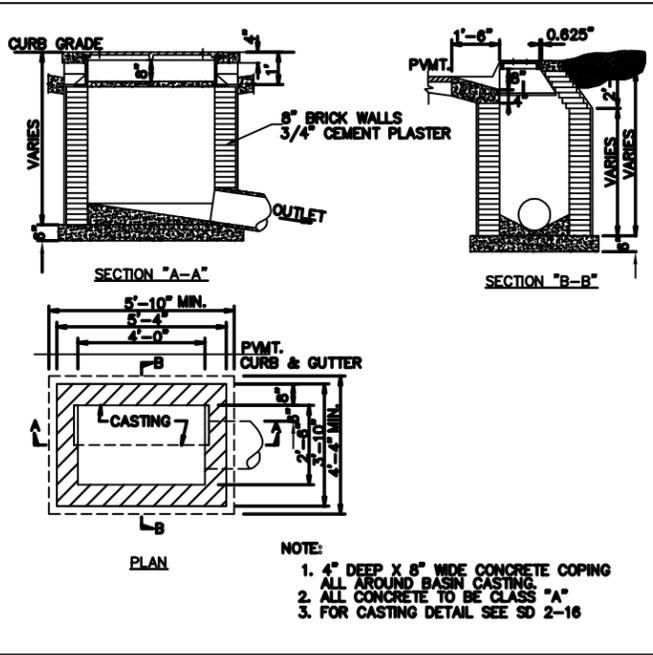
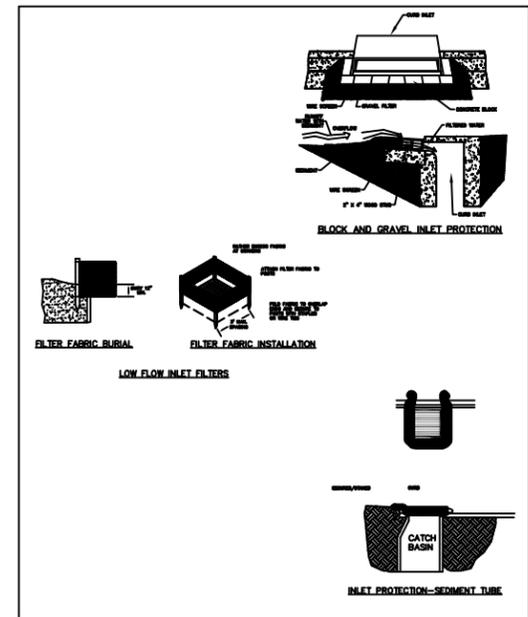


LOCATION MAP
NOT TO SCALE

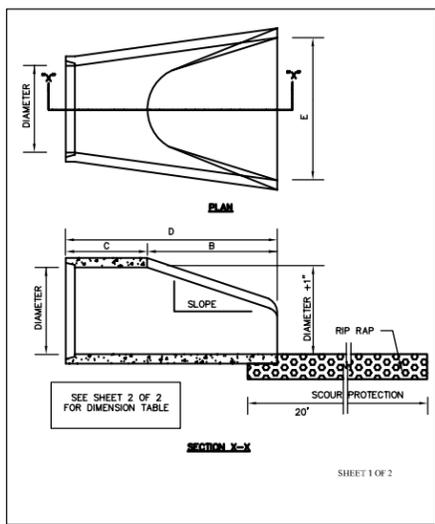
LEGEND:



LAND DISTURBANCE ACTIVITIES MUST BE MANAGED TO AVOID SEDIMENT RUN-OFF AND POLLUTION FROM CONSTRUCTION SITES. THESE PERMITS LOCALLY BY NEW HAMPSHIRE COUNTY, AN EROSION AND SEDIMENT CONTROL (ESC) PLAN WILL CONTAIN DETAILS AND GUIDANCE. ESC PLANS ARE PERFORMANCE BASED AND OFTEN REQUIRE MEASUREMENTS OR TESTS. AS PERMITTED BY MODELS, DIVISIONS OF WATER QUALITY AND LAND RESOURCES, A STORMWATER PERMIT WILL REQUIRE SELF-MONITORING (WEEKLY, 14" RAIN EVENT) OR SELF-INSPECTION REPORTS AFTER EACH CONSTRUCTION PHASE, DATED BY SIGNATURE OF THE ESC PLAN.



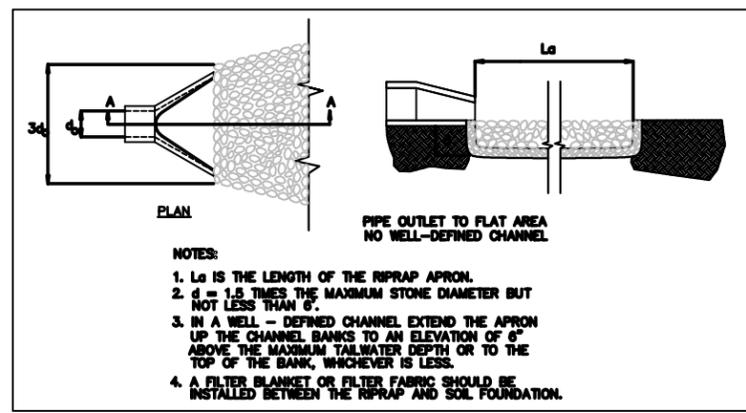
NOTE:
1. 4" DEEP X 8" WIDE CONCRETE COPING ALL AROUND BASIN CASTING.
2. ALL CONCRETE TO BE CLASS "A"
3. FOR CASTING DETAIL SEE SD 2-16



NOTE:
1. STRUCTURAL DESIGN OF END SECTION SHALL CONFORM WITH THAT OF STANDARD REINFORCED CONCRETE.

PIPE DIAMETER	WALL THICKNESS	SLOPE	B	C	D	E	UNIT WEIGHT
12	2 1/4	3:1	24	49	73	24	730
15	2 1/4	3:1	27	46	73	30	910
18	2 1/2	3:1	27	46	73	36	1190
21	2 3/4	3:1	36	37	73	42	1370
24	3	3:1	42	31 1/2	73 1/2	48	1770
27	3 1/4	3:1	48	25 1/2	73 1/2	54	2130
30	3 1/2	3:1	54	19 3/4	73 3/4	60	2380
33	3 3/4	3:1	60	36	96	66	3670
36	4	3:1	63	34 3/4	97 3/4	72	5320
42	4 1/2	3:1	63	35	96	78	5920
48	5	3:1	72	26	96	84	7470
54	5 1/2	2.4:1	66	34	100	90	8810
60	6	2:1	60	39	99	96	11180
72	7	2:1	78	21	99	108	13980

DIMENSIONS IN INCHES WEIGHTS IN POUNDS



NOTES:
1. L_s IS THE LENGTH OF THE RIPRAP APRON.
2. d = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6".
3. IN A WELL-DEFINED CHANNEL EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK, WHICHEVER IS LESS.
4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND SOIL FOUNDATION.

2 TRC COMMENTS 6/18/15
TREE REMOVAL, TREE PROTECTION, HC PARKING SUMMARY, TRAFFIC FACILITY INVENTORY, SW APPROVAL STAMP.

REV. #	DESCRIPTION	REV. BY	DATE
	REVISIONS		

NOT FOR CONSTRUCTION



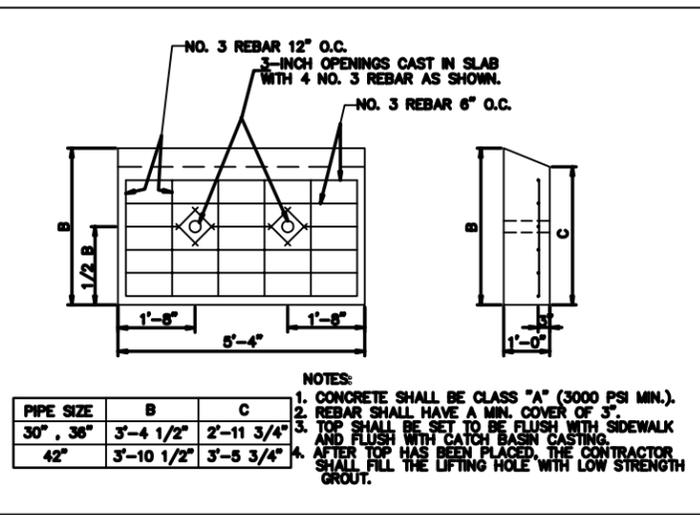
OWNER:
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WILMINGTON, NC 28403
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Land Planning / Construction Management
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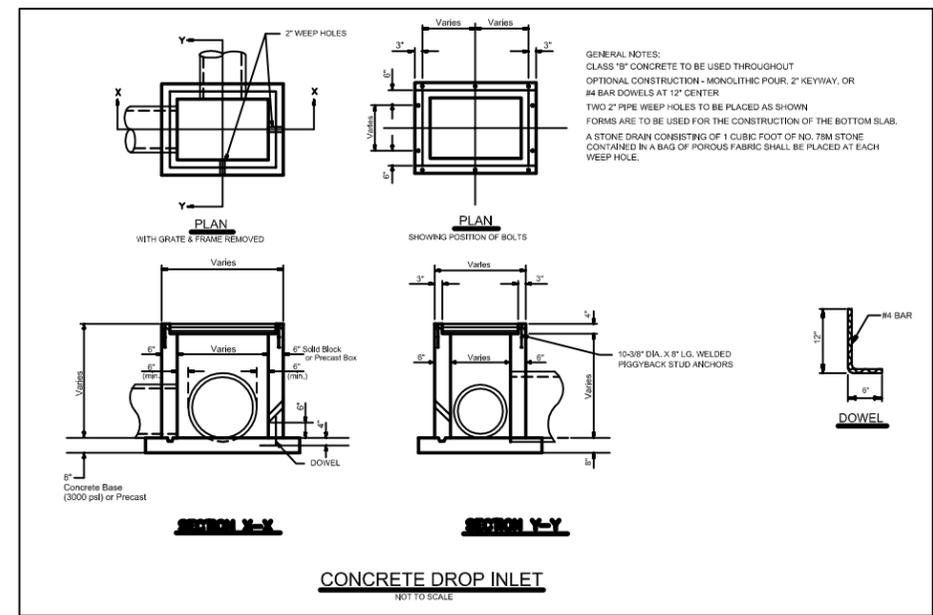
PC3 OVERFLOW PARKING

PROPOSED SITE DETAILS



NOTES:
1. CONCRETE SHALL BE CLASS "A" (3000 PSI MIN.).
2. REBAR SHALL HAVE A MIN. COVER OF 3".
3. TOP SHALL BE SET TO BE FLUSH WITH SIDEWALK AND FLUSH WITH CATCH BASIN CASTING.
4. AFTER TOP HAS BEEN PLACED, THE CONTRACTOR SHALL FILL THE LIFTING HOLE WITH LOW STRENGTH GROUT.

PIPE SIZE	B	C
30" , 36"	3'-4 1/2"	2'-11 3/4"
42"	3'-10 1/2"	3'-5 3/4"



CONCRETE DROP INLET
NOT TO SCALE