

TRANSPORTATION NOTES:

1. ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY & FOR DRIVEWAY ARE TO BE THERMOPLASTIC & MEET CITY AND/OR NCDOT STANDARDS.
2. 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.
3. CONTACT TRAFFIC ENGINEERING, AT 341-7888 TO ENSURE THAT ALL TRAFFIC SIGNAL FACILITIES AND EQUIPMENT ARE SHOWN ON THE PLAN. ADD A NOTE TO CALL TRAFFIC ENGINEERING FORTY-EIGHT (48) HOURS PRIOR TO ANY EXCAVATION IN THE R/W.
4. ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS AND CURBING WILL BE REPLACED.
5. CONTACT TRAFFIC ENGINEERING AT 341-7888 TO DISCUSS SITE LIGHTING OPTIONS. THE LANDSCAPING PLAN WILL BE NEEDED TO DETERMINE SITE LIGHT LOCATIONS.
6. TACTILE WARNING MATS TO BE INSTALLED AT ALL WHEELCHAIR RAMPS.
7. ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT-OF-WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MUTCD STANDARDS.
8. ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREAS SHALL BE WHITE.
9. A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET. CALL 341-5888 FOR MORE DETAILS. IN CERTAIN CASES AN ENTIRE RESURFACING OF THE AREA BEING OPEN CUT MAY BE REQUIRED.
10. INSTALL REFLECTORS PER CITY AND NCDOT STANDARDS. TRAFFIC ENGINEERING MUST APPROVE OF PAVEMENT MARKING LAYOUT PRIOR TO ACTUAL STRIPING.
11. A LANDSCAPING PLAN INDICATING THE LOCATION OF REQUIRED STREET TREES SHALL BE SUBMITTED TO THE CITY OF WILMINGTON TRAFFIC ENGINEERING DIVISION AND PARKS AND RECREATION DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE RECORDING OF THE FINAL PLAT.
12. CONTACT TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT OF WAY.

Approved Construction Plan

Name _____ Date _____

Planning _____

Traffic _____

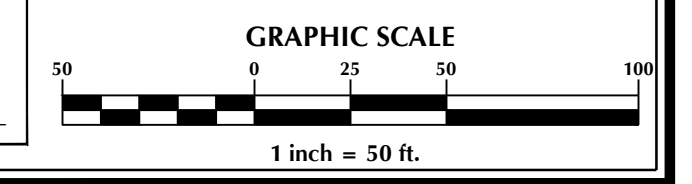
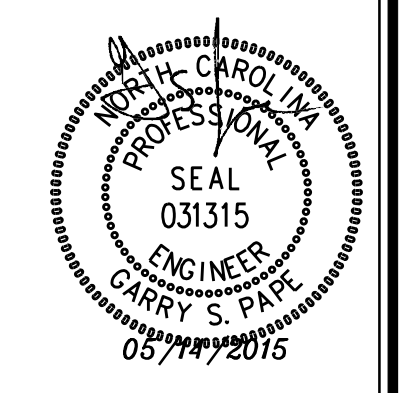
Fire _____

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.



No.	Revision	Date	By

Designer	GSP	Scale	1" = 50'
Drawn By	GSP	Date	March 2015
License #	P-0718	Job No.	2014-0006

BELLE MEADE MIXED-USE

Wilmington New Hanover County North Carolina

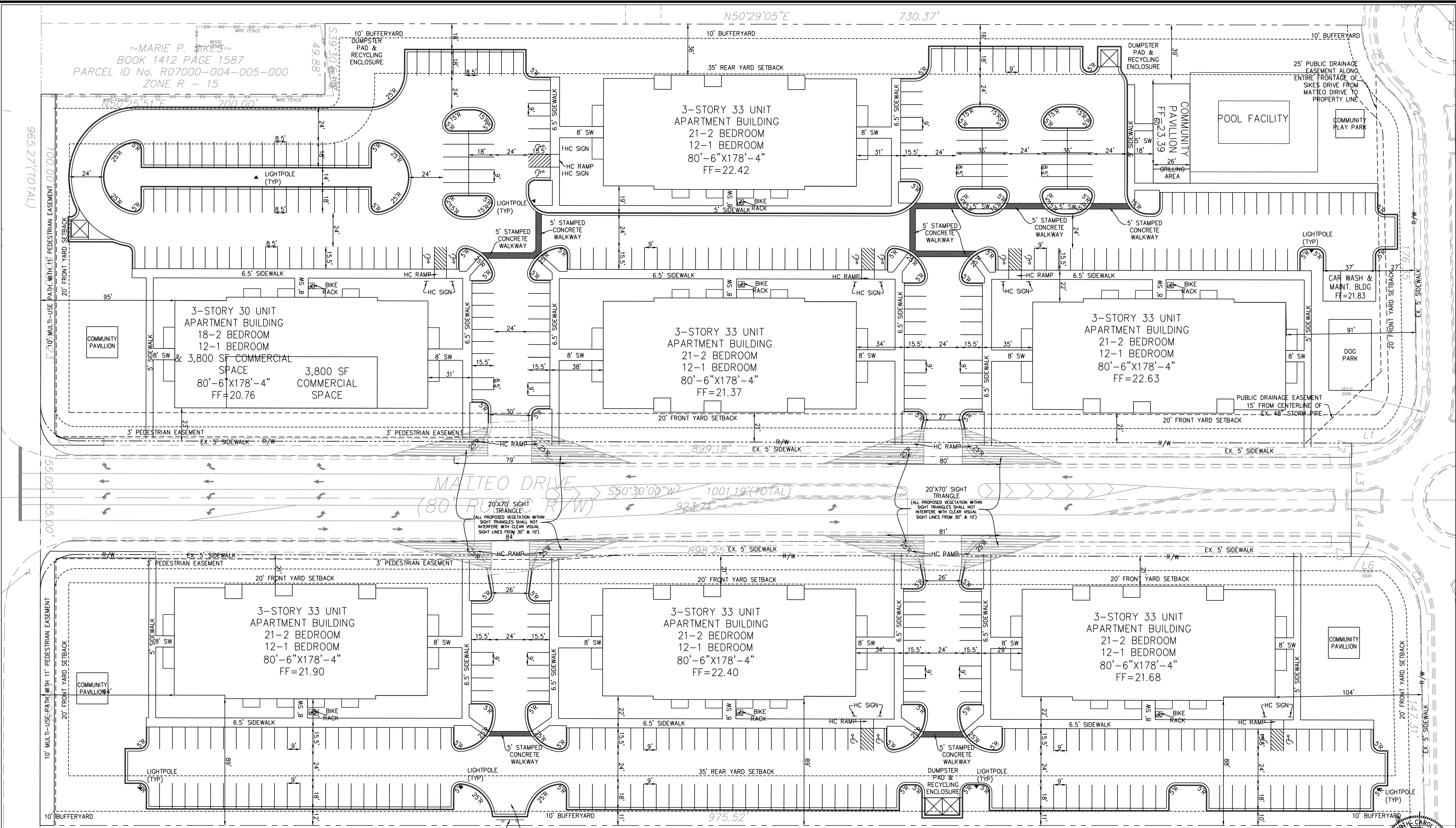
OVERALL SITE PLAN

PREPARED FOR:
BELLE MEADE DEVELOPMENT PARTNERS, LLC
6626-C GORDON ROAD
WILMINGTON, NC 28411
910-799-3006

GSP CONSULTING, PLLC
ENGINEERING

6626 Gordon Road Unit C Wilmington, North Carolina 28411 tel: 910-442-7870 fax: 910-799-6659

Sheet No.
C-3.1



~MARIE P. SIKES~
 BOOK 1412 PAGE 1587
 PARCEL ID No. R07000-004-005-000
 ZONE R - 15

965.27 (TOTAL)

551.00' 551.00'

10' MULTI-USE PATH WITH 11' PEDESTRIAN EASEMENT
 20' FRONT YARD SETBACK

10' BUFFERYARD

10' BUFFERYARD

TYPE 3 BARRICADE DENOTING FUTURE ROAD EXTENSION
 STUB ROAD FOR FUTURE EXTENSION W/EASEMENT

TRACT 7
 BIDDLE SUBDIVISION

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

Approved Construction Plan

Name _____ Date _____

Planning _____

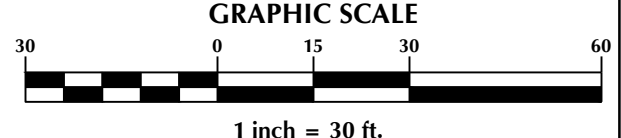
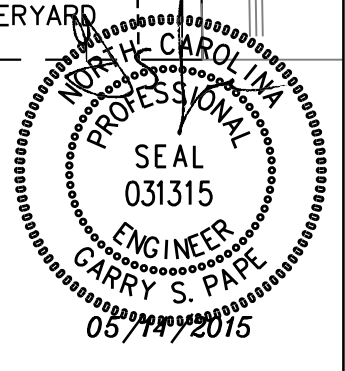
Traffic _____

Fire _____

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

Date: _____ Permit # _____

Signed: _____



No.	Revision	Date	By

Designer	GSP	Scale	1" = 30'
Drawn By	GSP	Date	March 2015
License #	P-0718	Job No.	2014-0006

BELLE MEADE MIXED-USE
 Wilmington New Hanover County North Carolina

DETAILED SITE PLAN

PREPARED FOR:
 BELLE MEADE DEVELOPMENT PARTNERS, LLC
 6626-C GORDON ROAD
 WILMINGTON, NC 28411
 910-799-3006

GSP CONSULTING, PLLC
 ENGINEERING
 6626 Gordon Road Unit C Wilmington, North Carolina 28411 tel: 910-442-7870 fax: 910-799-6659

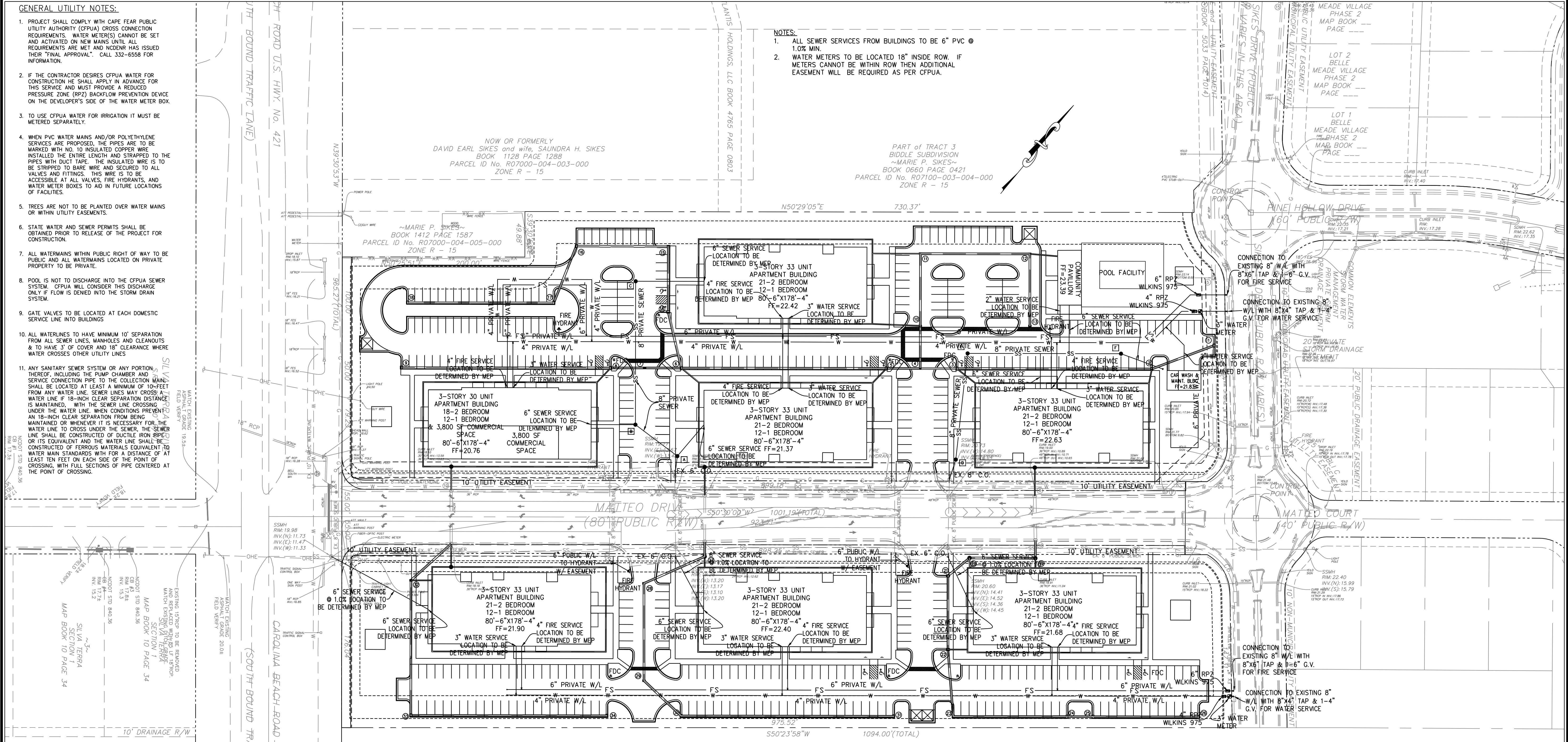
Sheet No.
C-3.2

GENERAL UTILITY NOTES:

- PROJECT SHALL COMPLY WITH CAPE FEAR PUBLIC UTILITY AUTHORITY (CFPUA) CROSS CONNECTION REQUIREMENTS. WATER METERS CANNOT BE SET AND ACTIVATED ON NEW MAINS UNTIL ALL REQUIREMENTS ARE MET AND NCDNR HAS ISSUED THEIR "FINAL APPROVAL". CALL 332-6558 FOR INFORMATION.
- 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.
- TO USE CFPUA WATER FOR IRRIGATION IT MUST BE METERED SEPARATELY.
- 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 STRIPPED TO THE PIPES WITH DUCT TAPE. THE INSULATED WIRE IS TO BE STRIPPED TO BARE WIRE AND SECURED TO ALL VALVES AND FITTINGS. THIS WIRE IS TO BE ACCESSIBLE AT ALL VALVES, FIRE HYDRANTS, AND WATER METER BOXES TO AID IN FUTURE LOCATIONS OF FACILITIES.
- TREES ARE NOT TO BE PLANTED OVER WATER MAINS OR WITHIN UTILITY EASEMENTS.
- STATE WATER AND SEWER PERMITS SHALL BE OBTAINED PRIOR TO RELEASE OF THE PROJECT FOR CONSTRUCTION.
- ALL WATERMANS WITHIN PUBLIC RIGHT OF WAY TO BE PUBLIC AND ALL WATERMANS LOCATED ON PRIVATE PROPERTY TO BE PRIVATE.
- POOL IS NOT TO DISCHARGE INTO THE CFPUA SEWER SYSTEM. CFPUA WILL CONSIDER THIS DISCHARGE ONLY IF FLOW IS DENIED INTO THE STORM DRAIN SYSTEM.
- GATE VALVES TO BE LOCATED AT EACH DOMESTIC SERVICE LINE INTO BUILDINGS.
- ALL WATERLINES TO HAVE MINIMUM 10' SEPARATION FROM ALL SEWER LINES, MANHOLES AND CLEANOUTS & TO HAVE 3' OF COVER AND 18" CLEARANCE WHERE WATER CROSSES OTHER UTILITY LINES.
- ANY SANITARY SEWER SYSTEM OR ANY PORTION THEREOF, INCLUDING THE PUMP CHAMBER AND SERVICE CONNECTION PIPE TO THE COLLECTION MAINS SHALL BE LOCATED AT LEAST A MINIMUM OF 10'-FEET FROM ANY WATER LINE. SEWER LINES MAY CROSS A WATER LINE IF 18-INCH CLEAR SEPARATION DISTANCE IS MAINTAINED. WITH THE SEWER LINE CROSSING UNDER THE WATER LINE. WHEN CONDITIONS PRESENT AN 18-INCH CLEAR SEPARATION FROM BEING MAINTAINED OR WHENEVER IT IS NECESSARY FOR THE WATER LINE TO CROSS UNDER THE SEWER, THE SEWER LINE SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE OR ITS EQUIVALENT AND THE WATER LINE SHALL BE CONSTRUCTED OF FERROUS MATERIALS EQUIVALENT TO WATER MAIN STANDARDS WITH A DISTANCE OF AT LEAST TEN FEET ON EACH SIDE OF THE POINT OF CROSSING, WITH FULL SECTIONS OF PIPE CENTERED AT THE POINT OF CROSSING.

NOTES:

- ALL SEWER SERVICES FROM BUILDINGS TO BE 6" PVC @ 1.0% MIN.
- WATER METERS TO BE LOCATED 18" INSIDE ROW. IF METERS CANNOT BE WITHIN ROW THEN ADDITIONAL EASEMENT WILL BE REQUIRED AS PER CFPUA.



FIRE DEPARTMENT NOTES:

- HYDRANT MUST BE WITHIN 150' OF THE FDC.
- THE FDC MUST BE WITHIN 40' OF FIRE APPARATUS PLACEMENT.
- LANDSCAPING OR PARKING CANNOT BLOCK OR IMPEDE THE FDC OR FIRE HYDRANTS. A 3-FOOT CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF THE HYDRANT AND FDC.
- HYDRANTS MUST BE LOCATED WITHIN 8' OF THE CURB.
- NEW HYDRANTS MUST BE AVAILABLE FOR USE PRIOR TO CONSTRUCTION OF THE BUILDING(S).
- CONTRACTOR SHALL MAINTAIN AN ALL WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION.
- UNDERGROUND FIRE LINE AND PRIVATE WATER MAINS MUST BE PERMITTED AND INSPECTED BY THE WILMINGTON FIRE DEPARTMENT FROM THE PRIVATE RIGHT-OF-WAY TO THE BUILDING. CONTACT THE WILMINGTON FIRE DEPARTMENT DIVISION OF FIRE AND LIFE SAFETY AT 910-343-0696 FOR ADDITIONAL INFORMATION.

TRACT 7
BIDDLE SUBDIVISION
NOW OR FORMERLY
~LAWRENCE LAWSON~
BOOK 0337 PAGE 0209
PARCEL ID No. R07100-003-009-000
ZONE R - 15

CFPUA STANDARD SEWER NOTES

- SEWER GUARDS REQUIRED AT ALL MANHOLES. STAINLESS STEEL SEWER GUARDS REQUIRED AT MANHOLES LOCATED IN TRAFFIC AREAS.
- SERVICES SHALL BE PERPENDICULAR TO MAIN AND TERMINATE AT R/W LINE. SERVICES IN CUL-DE-SACS ARE REQUIRED TO BE PERPENDICULAR, OR MUST ORIGINATE IN MANHOLE AND TERMINATE AT RIGHT-OF-WAY LINE.
- ALL SERVICES TYING INTO DUCTILE IRON MAINS SHALL BE CONSTRUCTED OF CLASS 50, DIP, WITH PROTECTO 401 CERAMIC EPOXY LINING.
- 10' UTILITIES EASEMENT PROVIDED ALONG THE FRONTAGE OF ALL LOTS AND AS SHOWN.
- NO FLEXIBLE COUPLINGS SHALL BE USED.
- ALL CLEANOUTS TO BE LOCATED IN THE CENTER OF THE LOT.

UTILITY DATA:

- PUBLIC**
6" WATER = 76 LF
4" WATER = 43 LF
2 - 3" WATER METERS
2 - FIRE HYDRANTS
- PRIVATE**
8" SEWER = 544 LF
6" WATER = 1,778 LF
4" WATER = 2,141 LF
3" WATER = 341 LF
2" WATER = 100 LF
2 - FIRE HYDRANTS
7 - FDC

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

Approved Construction Plan

Name _____ Date _____

Planning _____

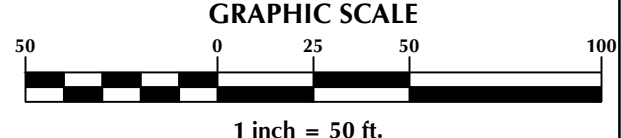
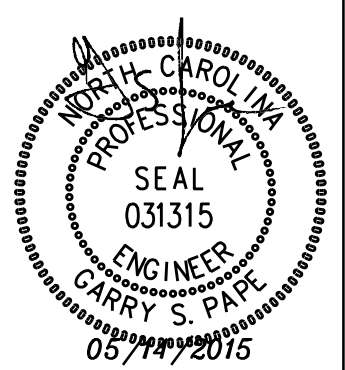
Traffic _____

Fire _____

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

Date: _____ Permit # _____

Signed: _____



No.	Revision	Date	By

Designer	GSP	Scale	1" = 50'
Drawn By	GSP	Date	March 2015
License #	P-0718	Job No.	2014-0006

Wilmington **New Hanover County** **North Carolina**

BELLE MEADE MIXED-USE

UTILITY PLAN

PREPARED FOR:
BELLE MEADE DEVELOPMENT PARTNERS, LLC
6626-C GORDON ROAD
WILMINGTON, NC 28411
910-799-3006

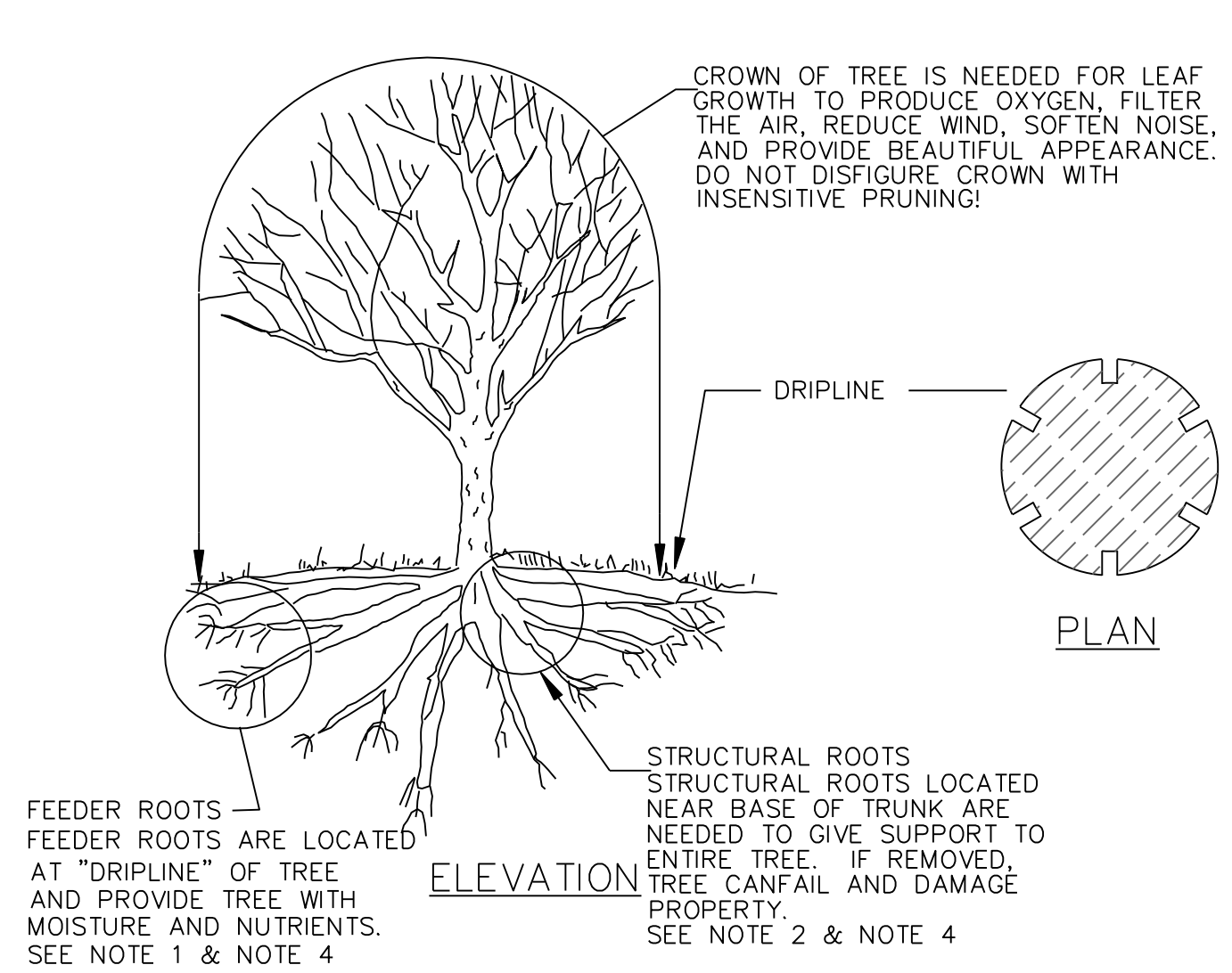
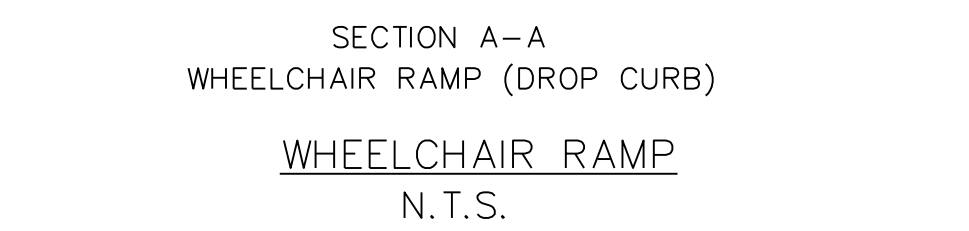
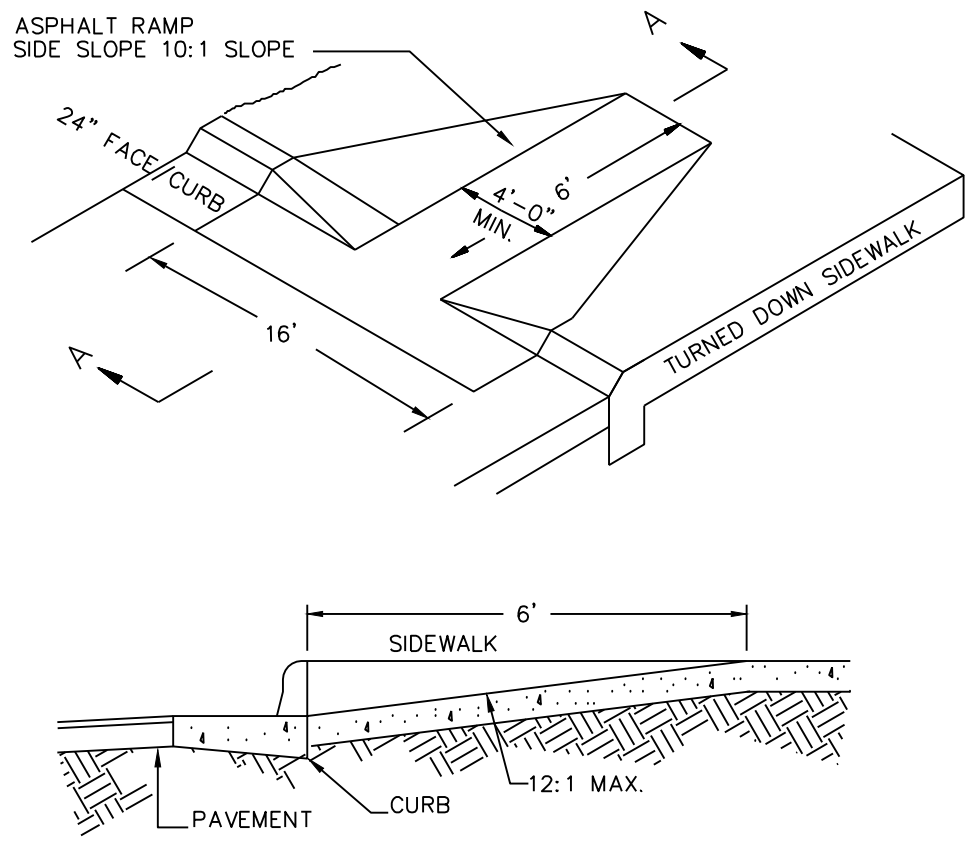
GSP CONSULTING, PLLC
ENGINEERING

6626 Gordon Road Unit C Wilmington, North Carolina 28411 tel: 910-442-7870 fax: 910-799-6659

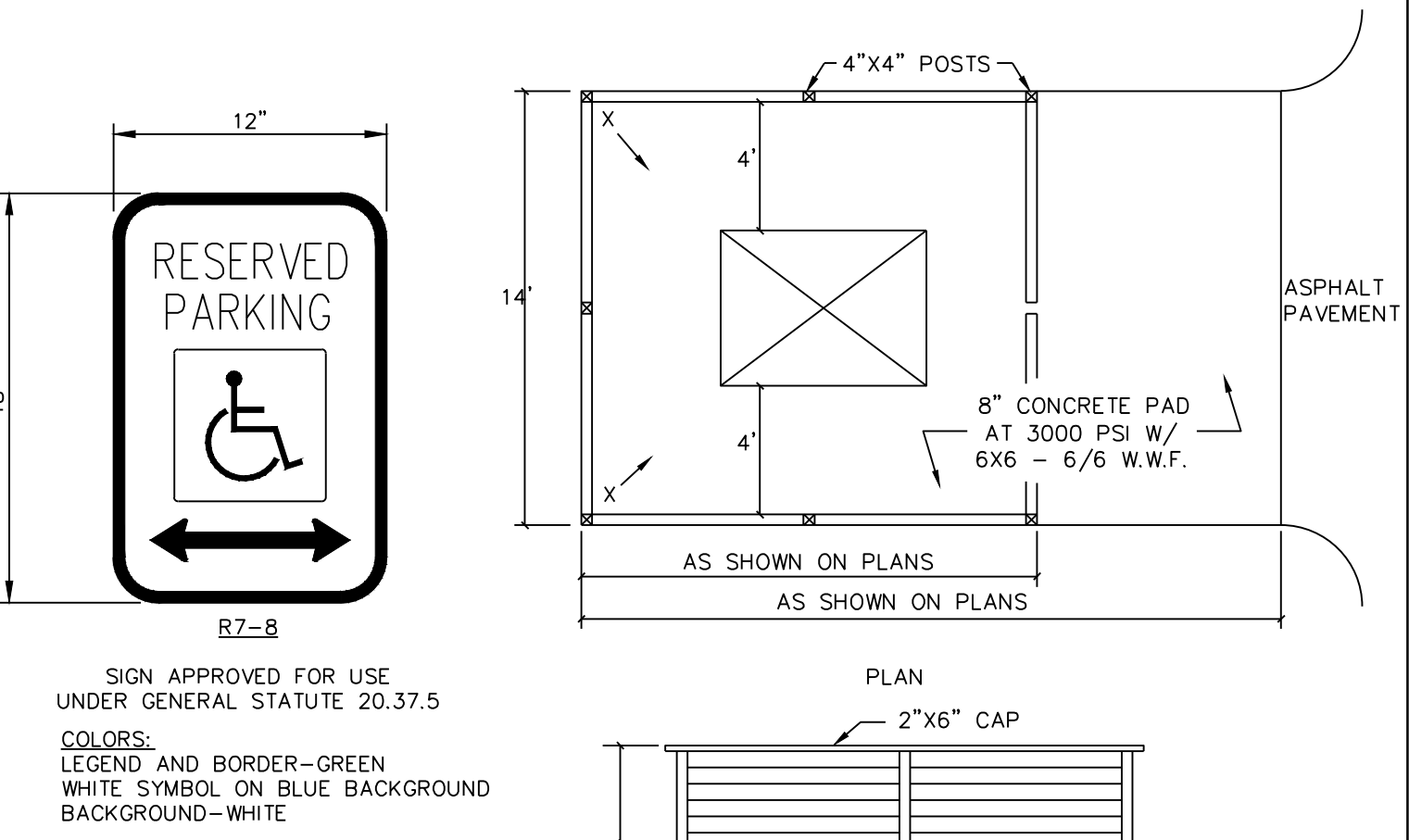
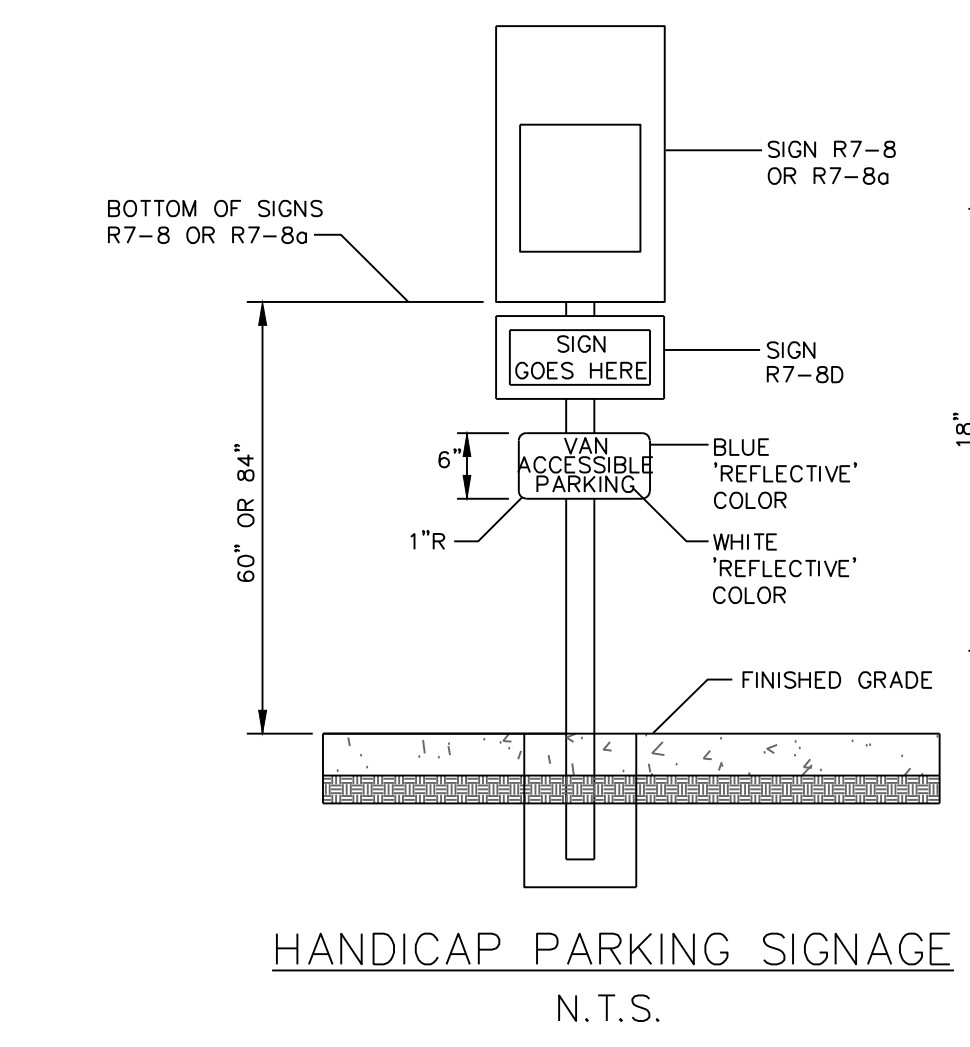
Sheet No.
C-4

GENERAL NOTES

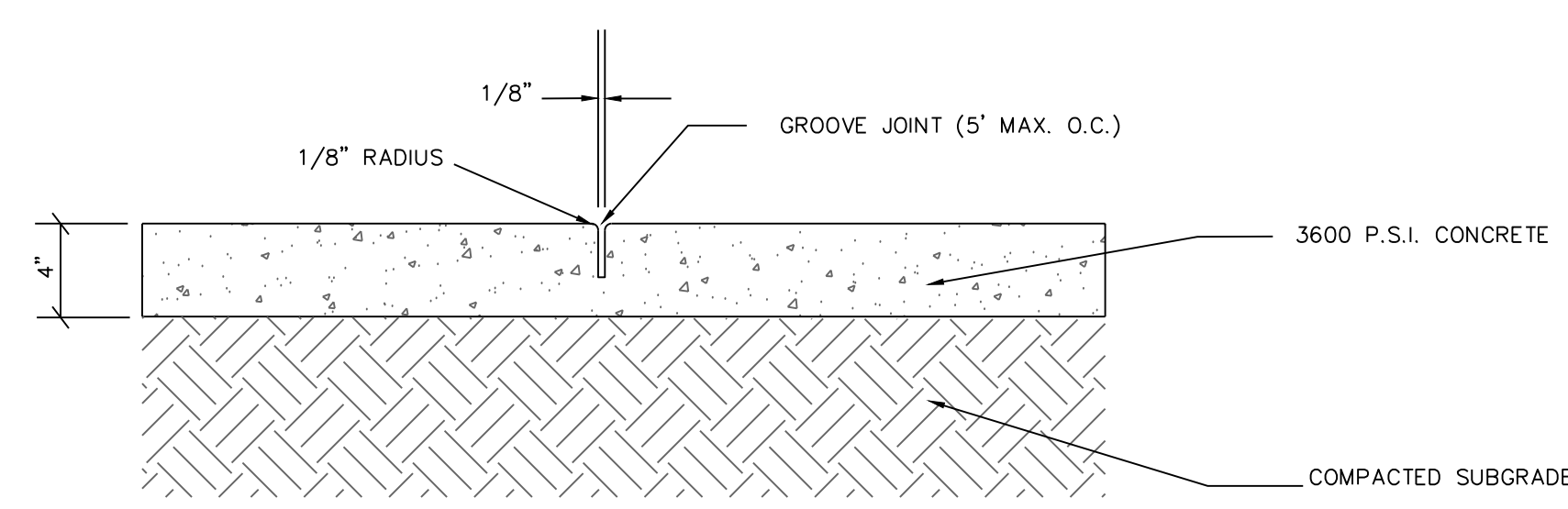
- I. LOCATION OF WHEELCHAIR RAMPS:
- IN ACCORDANCE WITH THE RATIFIED HOUSE BILL 1296, ALL STREET CURBS IN NORTH CAROLINA BEING CONSTRUCTED OR RECONSTRUCTED FOR MAINTENANCE PROCEDURES, TRAFFIC OPERATIONS, REPAIRS, CORRECTION OF UTILITIES OR ALTERED FOR ANY REASON AFTER SEPTEMBER 1, 1973 SHALL PROVIDE WHEELCHAIR RAMPS FOR THE PHYSICALLY HANDICAPPED AT ALL INTERSECTIONS WHERE BOTH CURB AND GUTTERS AND SIDEWALKS ARE PROVIDED AND AT OTHER MAJOR POINTS OF PEDESTRIAN FLOW.
 - WHEELCHAIR RAMPS SHOULD BE LOCATED AS INDICATED IN DETAIL DRAWINGS, HOWEVER EXISTING LIGHT POLES, FIRE HYDRANTS, DROP INLETS, ETC. MAY AFFECT PLACEMENT.
- II. CONSTRUCTION NOTES:
- NO SLOPE SHALL EXCEED 1"-1" (12:1) ON THE RAMP OR SIDEWALK.
 - IN NO CASE SHALL THE WIDTH OF WHEELCHAIR RAMPS BE LESS THAN 40" (3'-4"), WIDTHS MAY EXCEED 40" IF NECESSARY.
 - USE CLASS "A" CONCRETE WITH THE SURFACE HAVING A ROUGH, NON-SKID TYPE FINISH.
 - 1/2" EXPANSION JOINT WILL BE REQUIRED WHERE THE CONCRETE WHEELCHAIR RAMP JOINS ANY RIGID PAVEMENT OR STRUCTURE.
 - CONSTRUCTION METHODS SHALL CONFORM WITH THOSE OF THE GOVERNING BODY WHICH HAS JURISDICTION OF THE PARTICULAR STREET.
- III. ADDITIONAL NOTES:
- THE INSIDE PEDESTRIAN CROSSWALK LINES SHALL BE ESTABLISHED BY BISECTING THE INTERSECTION RADII WHERE MARKED (SEE NOTE 6).
 - THE WHEELCHAIR RAMP SHALL BE LOCATED SO THAT THE BEGINNING OF THE WHEEL CHAIR RAMP WILL BE TWO FEET FROM THE INSIDE PEDESTRIAN CROSSWALK LINE.
 - THE WIDTH OF THE PEDESTRIAN CROSSWALK SHALL BE 10 FEET UNLESS A GREATER WIDTH IS REQUIRED TO ACCOMMODATE THE PEDESTRIAN TRAFFIC.
 - STOP BARS SHALL BE USED WHERE IT IS IMPORTANT TO INDICATE THE POINT BEHIND WHICH VEHICLES ARE REQUIRED TO STOP IN COMPLIANCE WITH A TRAFFIC SIGNAL, STOP SIGN, OR OTHER LEGAL REQUIREMENTS.
 - PARKING SHALL BE ELIMINATED A MINIMUM OF 20 FEET BACK OF PEDESTRIAN CROSSWALK.
 - ALL PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION. THIS IS AVAILABLE FROM THE SUPERINTENDENT OF DOCUMENTS, U.S GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C. 20402.



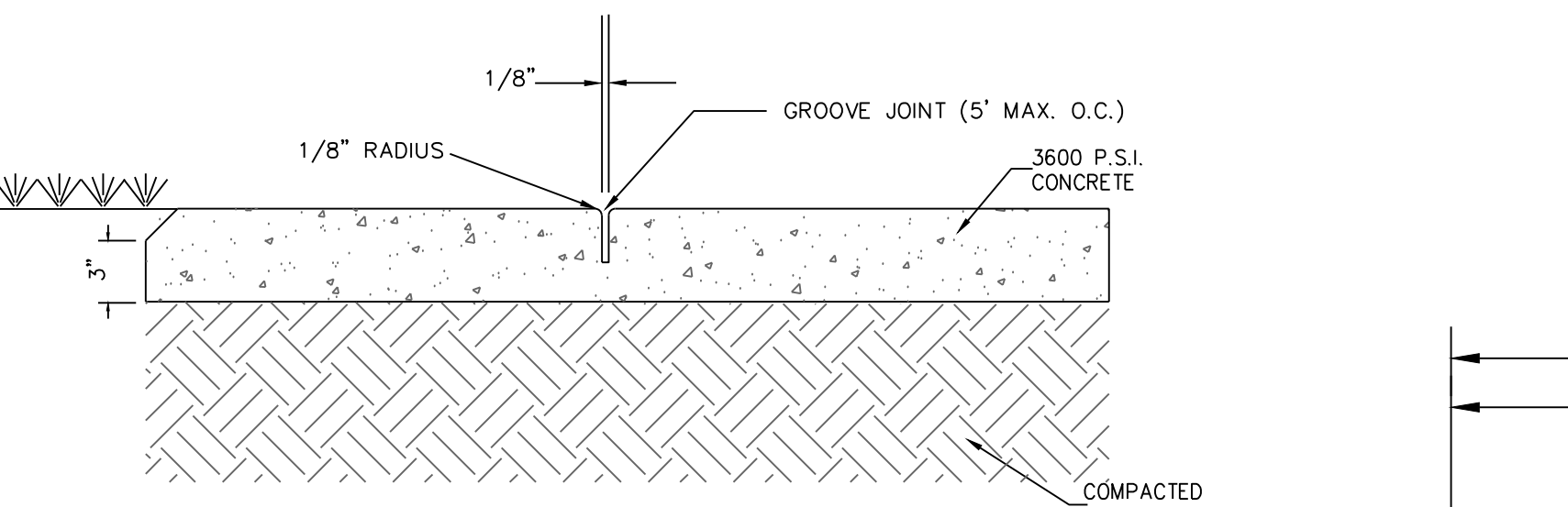
- TREE PROTECTION DURING CONSTRUCTION**
- DO NOT COMPACT SOIL BENEATH TREES. NO VEHICLE SHALL BE ALLOWED TO PARK UNDER TREES. NO HEAVY MATERIALS SHALL BE STORED BENEATH TREES. RESULTS OF COMPACTION CAUSE WATER AND AIR NOT TO REACH THE ROOTS AND THE TREE WILL DIE. THESE "FEEDING ROOTS" OCCUR WELL AWAY FROM THE BASE OF THE TREE TO THE EDGE OF THE OVERHEAD BRANCH CANOPY. DAMAGING THE BARK WITH LAWMOWERS, CONSTRUCTION EQUIPMENT, OR ANYTHING ELSE IS PROHIBITED. A PROTECTIVE BARRIER SHOULD PREVENT DAMAGE FROM OCCURRING DURING CONSTRUCTION.
 - NO CUTTING OF LARGE STRUCTURAL ROOTS LOCATED NEAR THE BASE OF THE TRUNK. THESE ARE ESSENTIAL IN SUPPORTING THE TREE AND HOLDING IT UPRIGHT IN HIGH WINDS. REMOVAL OF THESE ROOTS ALONG ONE SIDE IS OFTEN DONE BECAUSE OF A WALK, PAVING OR BUILDING WHICH IS BEING CONSTRUCTED.
 - AVOID CUT AND FILL WITHIN DIAMETER OF TREE CROWN DURING EXCAVATION.



GUIDELINES FOR WHEELCHAIR RAMPS



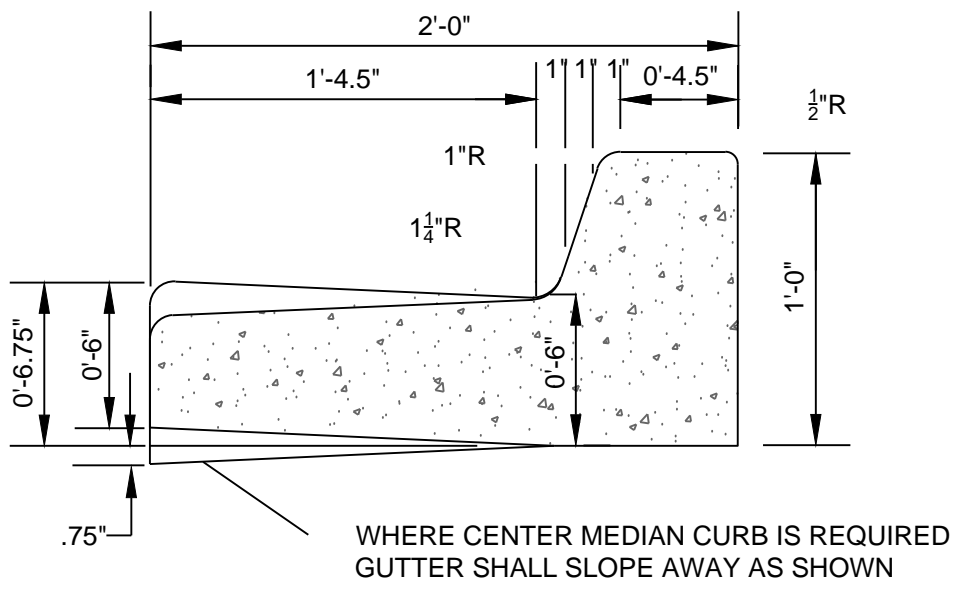
CONCRETE SIDEWALK DETAIL



SIDEWALK ADJACENT TO GRASSED AREAS AND PLANTERS

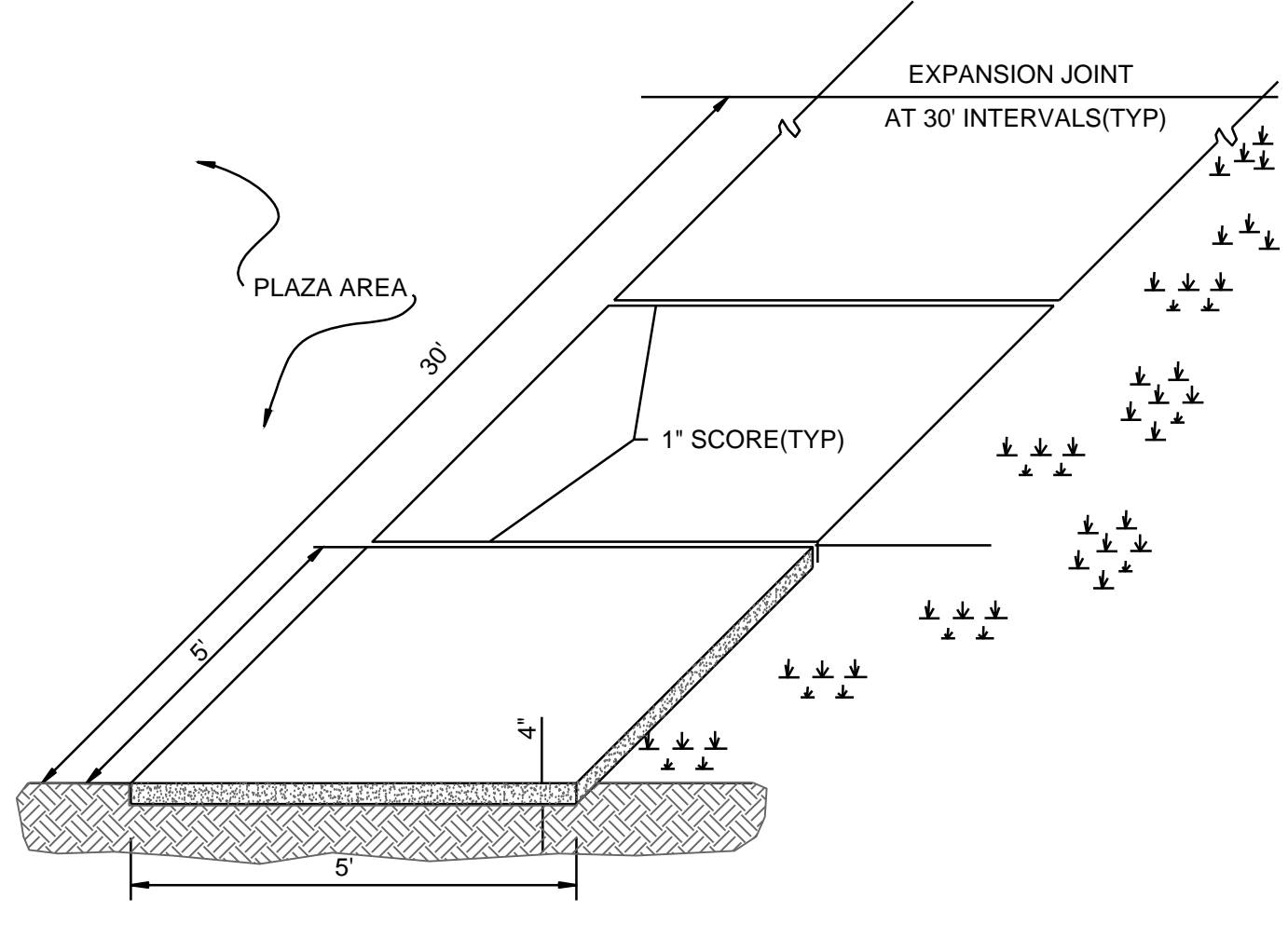
CONCRETE SIDEWALK

N.T.S.



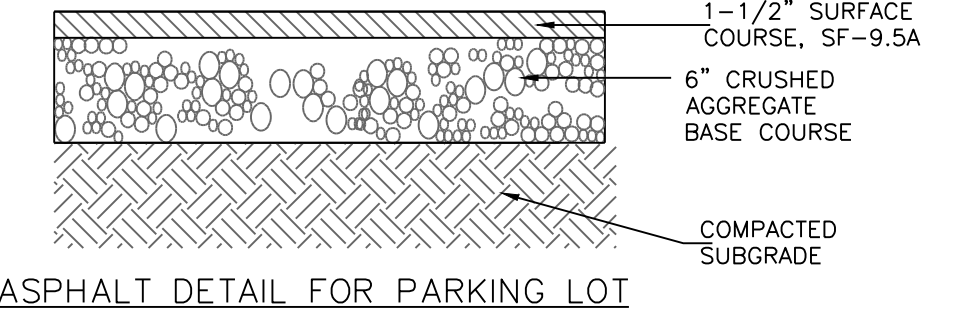
STANDARD CURB SECTION TYPE "A"

SD 7-01 NOT TO SCALE



STANDARD SIDEWALK DETAIL

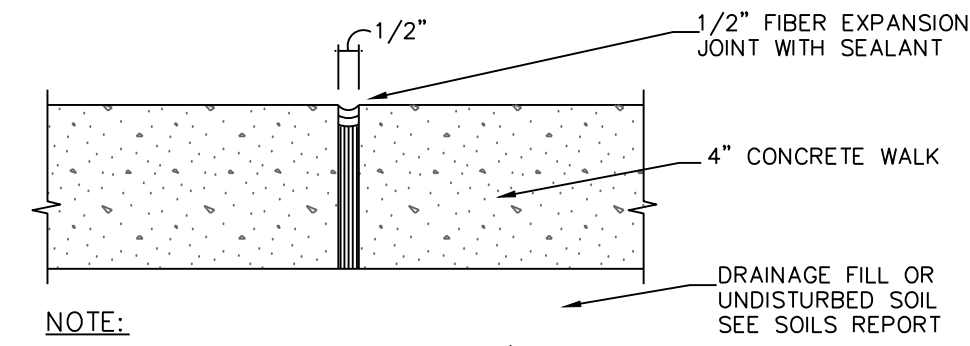
SD 8-15 NOT TO SCALE



ASPHALT DETAIL FOR PARKING LOT

PAVEMENT DETAIL

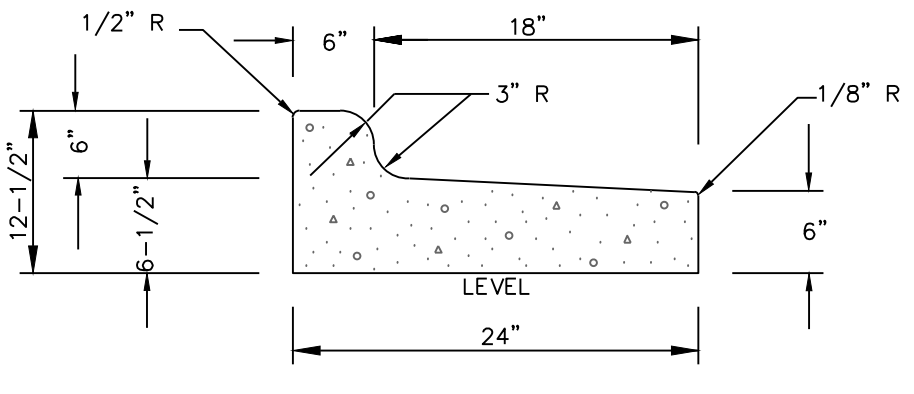
N.T.S.



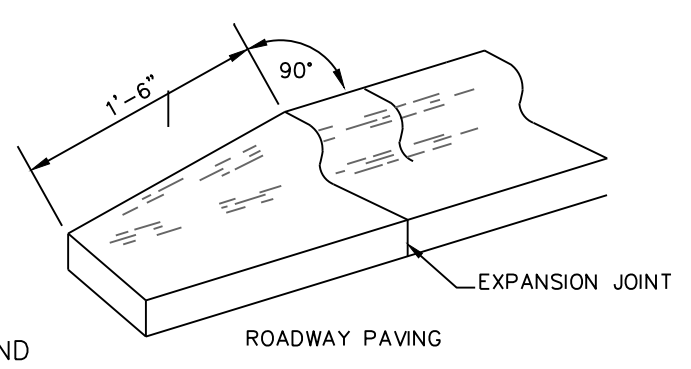
CONSTRUCTION JOINT

N.T.S.

GENERAL NOTES:
A GROOVE JOINT 1" DEEP WITH 1/8" RADII SHALL BE REQUIRED IN THE CONCRETE SIDEWALK AT 5' INTERVALS. ONE 1/2" EXPANSION JOINT WILL BE REQUIRED AT 45' INTERVALS. A 1/2" EXPANSION JOINT WILL BE REQUIRED WHERE THE SIDEWALK ABUTS ANY CURB & GUTTER AND ANY RIGID STRUCTURES. IN SIDEWALKS & PLAZA AREAS EXPANSION JOINTS ARE REQUIRED AT NO GREATER THAN 30' INTERVALS CONCRETE SHALL BE 3600 PSI. IN 28 DAYS.



24" CURB AND GUTTER (REVERSE SLOPE)



24" CURB & GUTTER TERMINATION DETAIL

CURB AND GUTTER

N.T.S.

GENERAL NOTES:
CONTRACTION JOINTS SHALL BE SPACED AT MAX. 10' INTERVALS, EXCEPT THAT A 15 FOOT SPACING MAY BE USED WHEN A MACHINE IS USED OR WHEN SATISFACTORY SUPPORT FOR THE FACE FORM CAN BE OBTAINED WITHOUT THE USE OF TEMPLATES AT 10 FOOT INTERVALS. JOINT SPACING MAY BE ALTERED BY THE ENGINEER TO PREVENT UNCONTROLLED CRACKING. CONTRACTION JOINTS MAY BE INSTALLED BY THE USE OF TEMPLATES OR FORMED BY OTHER APPROVED METHODS, WHERE SUCH JOINTS ARE NOT FORMED BY TEMPLATES, A MINIMUM DEPTH OF 1-1/2" SHALL BE OBTAINED. ALL CONTRACTION JOINTS EXCEPT IN 8" X 6" MEDIAN CURB SHALL BE FILLED WITH JOINT SEALER. EXPANSION JOINTS SHALL BE SPACED AT 90' INTERVALS AND ADJACENT TO ALL RIGID OBJECTS.

No.	Revision	Date	By

Designer	GSP	Scale	1" = 30'
Drawn By	GSP	Date	March 2015
License #	P-0718	Job No.	2014-0006

BELLE MEADE MIXED-USE
Wilmington New Hanover County North Carolina

STANDARD DETAILS

PREPARED FOR:
BELLE MEADE DEVELOPMENT PARTNERS, LLC
6626-C GORDON ROAD
WILMINGTON, NC 28411
910-799-3006

GSP CONSULTING, PLLC
ENGINEERING
6626 Gordon Road Unit C Wilmington, North Carolina 28411 tel: 910-442-7870 fax: 910-799-6659

Sheet No.
C-7

Approved Construction Plan

Name _____ Date _____

Planning _____

Traffic _____

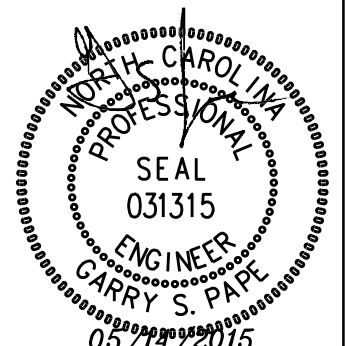
Fire _____

City of Wilmington
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.



10' ACCESS EASEMENT PER HISTORICAL DEED REFERENCES AS SHOWN
30' ACCESS EASEMENT PER HISTORICAL DEED REFERENCES AS SHOWN

PLANT LIST-OR EQUIVALENTS

KEY	NO.	BOTANICAL NAME	COMMON NAME	MIN. SIZE	TYPE (SHRUB, CANOPY TREE OR UNDERSTORY TREE)	SIZE (LARGE OR SMALL)	SHADING SF GIVEN (TREES ONLY)	PLANTING REMARKS
LI	39	LAGERSTROMIA INDICA 'NATCHEZ'	SOUTHERN CRAPE MYRTLE	10'-12" HT. 2.5" CAL.	UNDERSTORY	SMALL	ZONE 314 - 15	SPACING AS SHOWN
QV	118	QUERCUS VIRGINIANA	LIVE OAK	8'-10" HT. 2.5" CAL.	CANOPY	LARGE	707	SPACING AS SHOWN
IC	60	ILEX CORNUTA 'CARISSA'	CARISSA HOLLY	3 GAL.	SHRUB			4' O.C.
IV	153	ILEX VOMITORIA 'NANA'	DWARF YAUPOH HOLLY	3 GAL.	SHRUB			4' O.C.
LJ	535	LIGUSTRUM JAPONICUM	JAPANESE PRIVET	36"-48"	SHRUB			5' O.C.
NF	148	NANDINA DOMESTICA 'COMPACTA'	FIREPOWER NANDINA	18"-24"	SHRUB			3' O.C.

O.C. - "ON CENTER" CAL - "CALIPER AT 6" ABOVE GRADE" GAL - "GALLON CONTAINER"
MIN. PLANTING SIZE: SHADE TREES=2-2.5" CAL. MULTI-STEM= 8-10" SHRUBS= 12"

TREES TO BE RELOCATED

4" DOGWOOD	1
8" DOGWOOD	1
8" OAK	8
9" OAK	4
4" MAG	1
6" MAG	3
7" MAG	1
7" CHERRY	1
8" CHERRY	1

Landscape Calculations: (Note: All regulated & significant trees have been field located and are labeled.)

	Req'd	Prov'd.
Matteo Drive Streetyard 1,798 l.f. frontage - 247' driveways =1,551 l.f. X 18 (CB District factor) ● 1 tree / 600 s.f. ● 6 shrubs / 600 s.f.	27,918 s.f.	28,787 s.f.
Carolina Beach Road Secondary Streetyard 405 l.f. frontage =405 l.f. X 9 (CB District factor) ● 1 tree / 600 s.f. ● 6 shrubs / 600 s.f.	3,645 s.f.	3,658 s.f.
Sikes Drive Secondary Streetyard 484 l.f. frontage =484 l.f. X 9 (CB District factor) ● 1 tree / 600 s.f. ● 6 shrubs / 600 s.f.	4,356 s.f.	7,179 s.f.
Parking Area Interior (20% Shading)- 147,227 s.f. X 20% 59 PROPOSED LIVE OAKS AT FULL CREDIT (Ø707 SF)	29,445 s.f.	41,713 s.f.
Foundation Plantings - 7 APARTMENT BUILDINGS - 2,081 l.f. X 35' facade X 12% 8,740 s.f.		37,100 s.f.
Bufferings - 1,916 l.f. buffer length ● 1 tree / 30 l.f.	64	64 EXISTING
Overall Development Area - 14.46 ac ± development area x 15 trees/ac. Signif. Tree removal mitigation -	217	157 PROPOSED 168 EXISTING 325 TOTAL
TOTAL TREES REQUIRED	324	

MITIGATION CALCULATIONS

TREE TO BE REMOVED	DIAMETER (in)	# OF TREES REQUIRED
OAK	16	10
OAK	31	20
OAK	35	23
PINE	27	54
TOTAL		107*

*69 EXISTING TREES 2"-5" DBH TO BE RETAINED ON SITE AND SUPPLEMENTED WITH 19 RELOCATED TREES

- LANDSCAPE AREAS**
- STREET YARD LANDSCAPING
 - FOUNDATION LANDSCAPING
 - PARKING INTERIOR PLANTING

TREE LEGEND / INVENTORY

- DOGWOOD
- GUM
- OAK
- CREPE MYRTLE
- SYCAMORE
- PINE
- BIRCH
- ELM
- MAGNOLIA
- MAPLE
- POPLAR
- HICKORY
- LI SOUTHERN CRAPE MYRTLE
- QV (LIVE OAK)
- IC (CARISSA HOLLY)
- IV (DWARF YAUPOH HOLLY)
- LJ (JAPANESE PRIVET)
- NF (FIREPOWER NANDINA)

- NOTES:**
- LIVE OAKS ALONG ROADS TO BE ALIGNED AS CLOSE TO SIDEWALK AS POSSIBLE BUT NOT WITHIN RIGHT OF WAY.
 - SHRUBS ALONG ROADS TO BE INSTALLED 2-3 FEET BEHIND LIVE OAKS.

Approved Construction Plan

Name _____ Date _____

Planning _____

Traffic _____

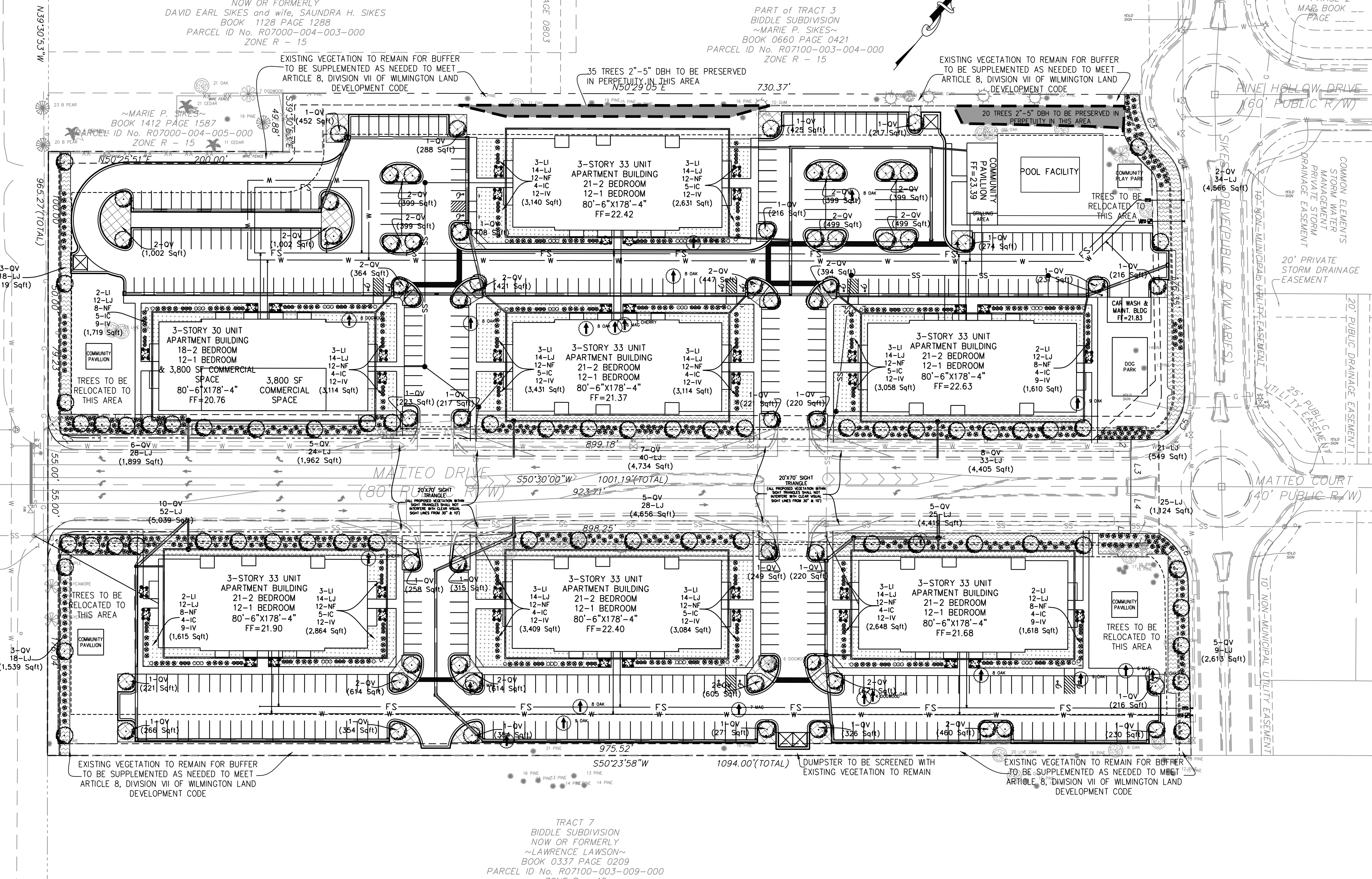
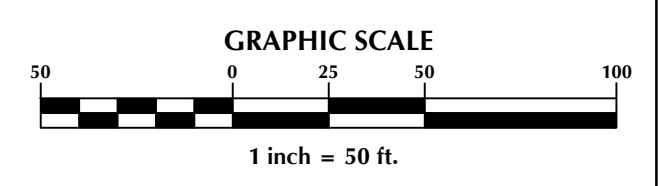
Fire _____

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: _____



No.	Revision	Date	By

Designer	GSP	Scale	1" = 50'
Drawn By	GSP	Date	March 2015
License #	P-0718	Job No.	2014-0006

Wilmington New Hanover County North Carolina

BELLE MEADE MIXED-USE

LANDSCAPE PLAN

PREPARED FOR:
BELLE MEADE DEVELOPMENT PARTNERS, LLC
6626-C GORDON ROAD
WILMINGTON, NC 28411
910-799-3006

GSP CONSULTING, PLLC
ENGINEERING

6626 Gordon Road Unit C Wilmington, North Carolina 28411 tel: 910-442-7870 fax: 910-799-6659

Sheet No.
L-1