SITE CONSTRUCTION PLANS
SQUARE ONE
QUEEN STREET BETWEEN 15TH ST. AND 16TH ST.
INFILL PROJECT

NOTES

1. PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING (IF REQUIRED) WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES AND NO CONSTRUCTION WORKERS, TOOLS, MATERIALS, OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION.

2. ANY TREES AND/OR AREAS DESIGNATED TO BE PROTECTED MUST BE PROPERLY BARRICADED WITH FENCING AND PROTECTED THROUGHOUT CONSTRUCTION TO INSURE THAT NO CLEARING, GRADING OR STAGING OF MATERIALS OCCUR IN THOSE AREAS.

3. NO EQUIPMENT IS ALLOWED ON SITE UNTIL ALL TREE PROTECTION FENCING AND SILT FENCING IS INSTALLED AND APPROVED. PROTECTIVE FENCING IS TO BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT, AND CONTRACTORS SHALL RECEIVE ADEQUATE INSTRUCTION ON TREE PROTECTION METHODS.

4. ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS OF WAY AND FOR DRIVEWAY ARE TO BE THERMO PLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.

5. ONCE STREETS ARE OPEN TO TRAFFIC, CONTACT TRAFFIC ENGINEERING REGARDING THE INSTALLATION OF TRAFFIC AND STREET NAME SIGNS. PROPOSED STREET NAMES MUST BE APPROVED PRIOR TO INSTALLATION OF STREET SIGN NAMES.

6. TRAFFIC CONTROL DEVICES (INCLUDING SIGNS AND PAVEMENT MARKINGS) IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD STANDARDS AND BE MAINTAINED BY THE OWNER.

7. CONTACT TRAFFIC ENGINEERING AT 910-341-7888 TO ENSURE THAT ALL TRAFFIC SIGNAL FACILITIES AND EQUIPMENT ARE SHOWN ON THE PLAN.

8. TRAFFIC ENGINEERING TO BE NOTIFIED AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT OF WAY.

9. TRAFFIC ENGINEERING MUST APPROVE OF PAVEMENT MARKING PRIOR TO ACTUAL STRIPING.

10. ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN PARKING AREAS SHALL BE WHITE. ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS OF WAY FOR DRIVEWAY ARE TO BE THERMO PLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.

11. ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT OF WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER.

12. STOP SIGNS AND STREET SIGNS TO REMAIN IN PLACE DURING CONSTRUCTION.

13. TACTILE WARNING MATS WILL BE INSTALLED ON ALL WHEEL CHAIR RAMPS.

14. A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET.

15. ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS AND CURBING WILL BE REPLACED.

16. CONTACT TRAFFIC ENGINEERING AT 341-7888 TO DISCUSS STREET LIGHTING OPTIONS.

17. WATER AND SEWER SERVICE SHALL MEET CAPE FEAR PUBLIC UTILITY AUTHORITY DETAILS AND SPECIFICATIONS.

18. PROJECT SHALL COMPLY WITH CFPUA CROSS CONNECTION CONTROL REQUIREMENTS. WATER METERS CANNOT BE RELEASED UNTIL ALL REQUIREMENTS ARE MET AND THE STATE HAS GIVEN THEIR FINAL APPROVAL.

19. IF THE CONTRACTOR DESIRES CFPUA WATER FOR CONSTRUCTION HE SHALL APPLY IN ADVANCE FOR THIS SERVICE AND MUST SUPPLY A RPZ BACKFLOW PREVENTION DEVICE ON THE DEVELOPERS SIDE OF THE WATER METER BOX.

20. ANY IRRIGATION SYSTEM SUPPLIED BY CFPUA SHALL COMPLY WITH THE CFPUA CROSS CONNECTION REGULATIONS.

21. ANY IRRIGATION SYSTEM SHALL BE EQUIPPED WITH A RAIN AND FREEZE SENSOR.

22. ANY BACKFLOW PREVENTION DEVICES REQUIRED BY THE CFPUA WILL NEED TO BE ON THE LIST OF APPROVED DEVICES BY USCFCCCHR.

23. CONTRACTOR TO FILED VERIFY EXISTING WATER AND SEWER LOCATIONS, SIZES AND MATERIALS PRIOR TO CONSTRUCTION. ENGINEER TO BE NOTIFIED OF CONFLICTS.

24. AN ALL WEATHER DRIVING SURFACE FOR EMERGENCY VEHICLES MUST BE MAINTAINED DURING CONSTRUCTION.

25. UNDERGROUND FIRE LINE(S) MUST BE PERMITTED AND INSPECTED BY THE WILMINGTON FIRE DEPARTMENT FROM THE PUBLIC ROW TO THE BUILDING. CONTACT THE WILMINGTON FIRE DEPARTMENTDIVISON OF FIRE AND LIFE SAFETY AT 910-341-0696.

26. NO OBSTRUCTIONS ARE PERMITTED IN THE SPACE BETWEEN THIRTY (30) INCHES AND TEN (TEN) FEET ABOVE THE GROUND WITHIN THE TRIANGLE SIGHT DISTANCE.

27. CONTRACTOR IS TO NOTIFY (AT A MINIMUM) THE FOLLOWING COMPANIES FOR LOCATION SERVICES:
- ULOCO .....1-800-632-4949, 48 HOURS IN ADVANCE
- BELL SOUTH.....1-800-392-8712 (STEVE DAYVAULT)
- CAROLINA ONE CALL CENTER 1-800-632-4949

28. THERE SHALL BE NO ENCUMBRANCES WITHIN THE NCDOT RIGHT OF WAY.

29. A LANDSCAPING PLAN INDICATING THE LOCATION OF REQUIRED STREET TREES SHALL BE SUBMITTED TO THE CITY OF WILMINGTON TRAFFIC ENGINEERING DIVISION AND PARKS AND RECREATION DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE RECORDING OF THE FINAL PLAT (SD 15-14 CofW TECH STDS)

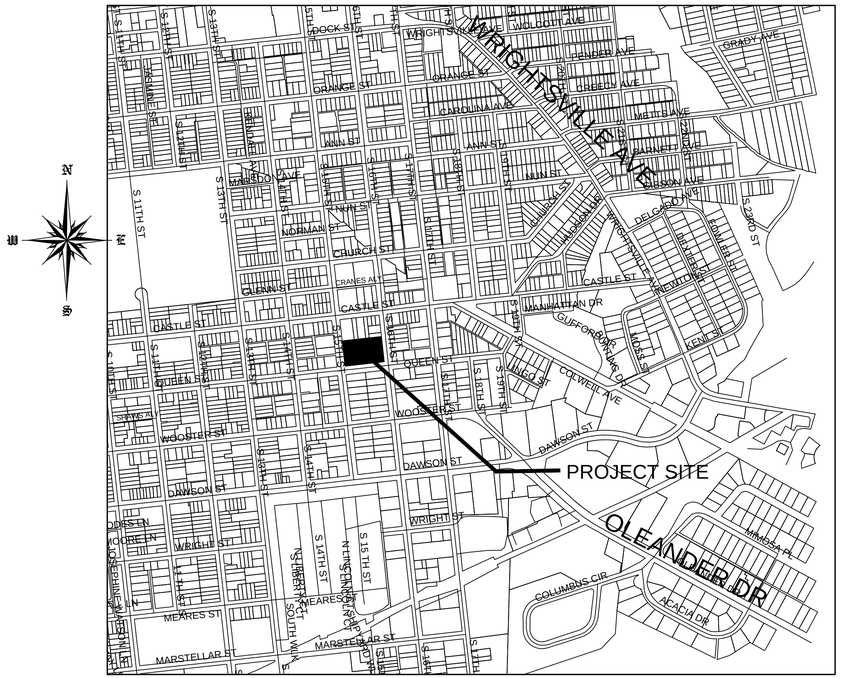
30. FIRE HYDRANTS CANNOT BE FURTHER THAN 8' FROM THE CURB.

31. PARKING AND LANDSCAPING CANNOT BLOCK FIRE HYDRANTS OF FDC'S

32. FDC'S CAN BE NO FURTHER THAN 40' FROM FIRE DEPARTMENT VEHICLE PLACEMENT

33. FDC'S CAN BE NO FURTHER THAN 150' FROM A FIRE HYDRANT

34. BICYCLE PARKING IS PROVIDED ON THE SOUTHWEST CORNER OF PROPOSED BUILDING



SCALE 1" = 600'

VICINITY MAP
FEBRUARY, 2016

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.

STORMWATER MANAGEMENT PLAN
APPROVED
CITY OF WILMINGTON
ENGINEERING DEPARTMENT
DATE _____ PERMIT # _____
SIGNED _____

LIST OF DRAWINGS

XX	COVER SHEET
CE	EXISING SITE
C1	SITE PLAN
C2	GRADING, DRAINAGE & EROSION CONTROL
C3	UTILITIES
C4	LANDSCAPE PLAN
C5	DETAILS
A1	BUILDING ELEVATION
WSD-1	CFPUA WATER - STANDARD DETAILS
SSD-2	CFPUA SEWER - STANDARD DETAILS

OWNER/DEVELOPER
L.S. SMITH, INC.
MR. LESLIE SMITH
1607 QUEEN STREET
WILMINGTON, NC 28401
1-336-404-0009

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

SURVEYOR
ROBERT SESSOMS & ASSOCIATES, PLLC
MR. ROBERT SESSOMS, PLS
4033 CHANDLER DRIVE
WILMINGTON, NC 28405
1-910-352-8846

BEFORE YOU DIG
STOP
CALL 1 800 632-4949
N.C. ONE-CALL CENTER
IT'S THE LAW

NORTH CAROLINA
SEAL
L-4396
ENGINEER
BRADFORD SEDGWICK

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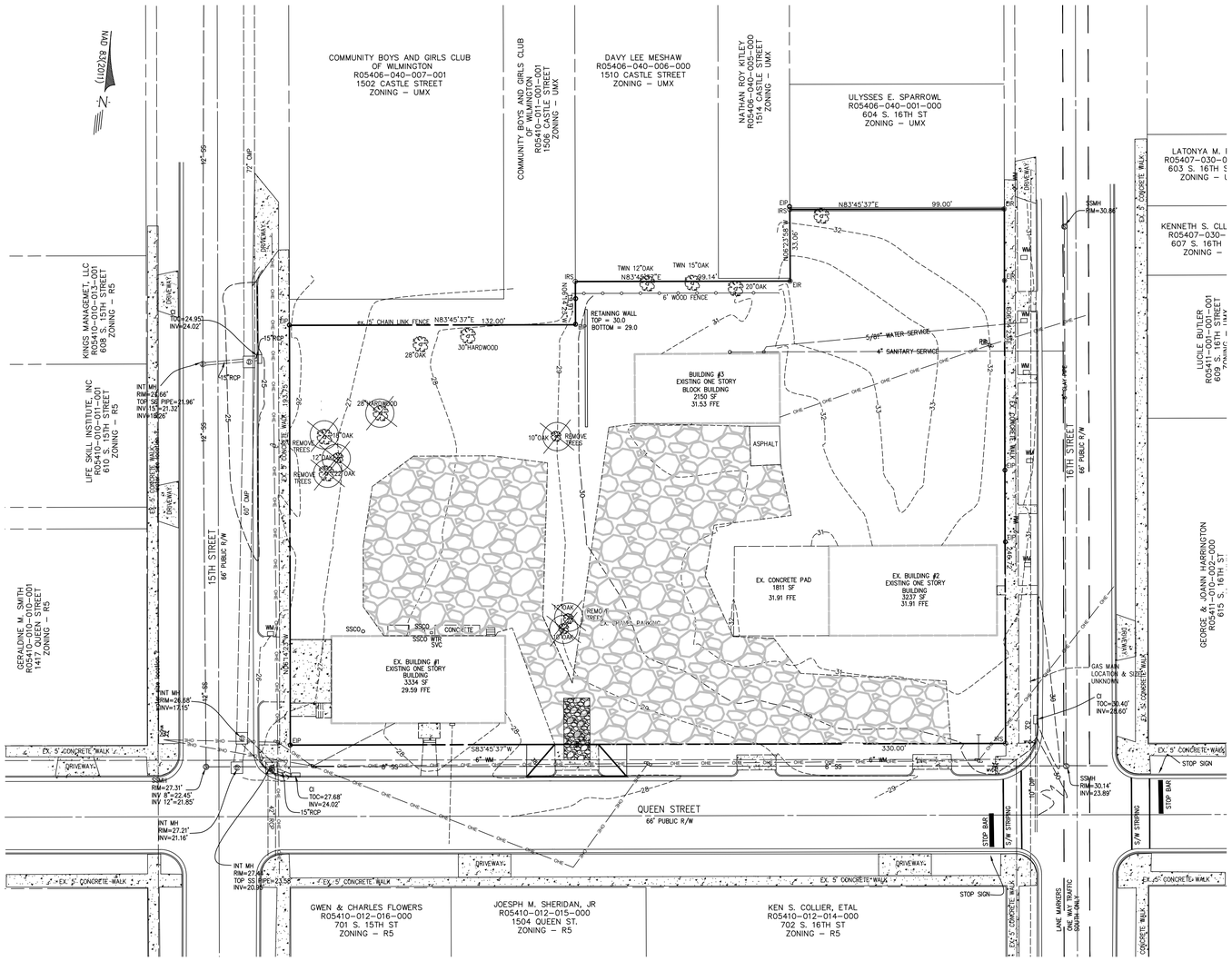
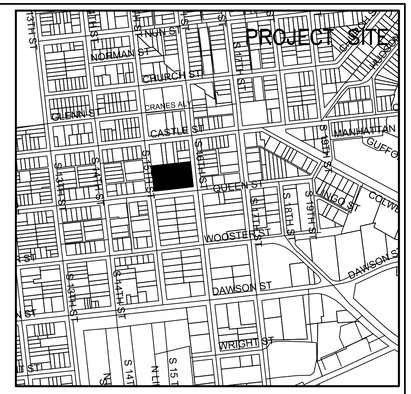


EXISTING SITE
SCALE 1" = 30'

SITE DATA

TOTAL PROJECT AREA	71,170 SF
EXISTING BUA	
BUILDING #1	3,334 SF
CON. PAD @ #1	764 SF
BUILDING #2	3,237 SF
CON. PAD @ 2	1,811 SF
BUILDING #3	2,150 SF
EXISTING GRAVEL DRIVE/PARKING	21,400 SF
TOTAL EXISTING BUA	32,696 SF



VICINITY MAP
NTS

LEGEND

- EX. GRAVEL
- ASPAHLT PAVEMENT
- CONC. PAVEMENT
- PROPOSED SPOT ELEVATION — 41.5'
- WAVE STYLE BIKE RACK 8 BIKE SPOTS EACH
- TREE PROTECTION FENCING SEE DETAIL
- TREE FOR REMOVAL — 28" HARDWOOD

BEFORE YOU DIG STOP CALL 1 800 632-4949 N.C. ONE-CALL CENTER IT'S THE LAW

NUMBER	DATE	REVISION

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.

STORMWATER MANAGEMENT PLAN
APPROVED
CITY OF WILMINGTON
ENGINEERING DEPARTMENT
DATE _____ PERMIT # _____
SIGNED_____

30' 0 30' 60'
SCALE: 1"=30' (Horiz.)

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

EXISTING SITE

SQUARE ONE
WILMINGTON, NC

L S SMITH, INC.
1607 Queen Street
Wilmington, NC 28401-5526
910-409-8782

JBS CONSULTING, PA
7332 Cotesworth Drive
Wilmington, NC 28405
(910) 619-9990
License Number C-2525
PLANNING - ENGINEERING - PROJECT MANAGEMENT

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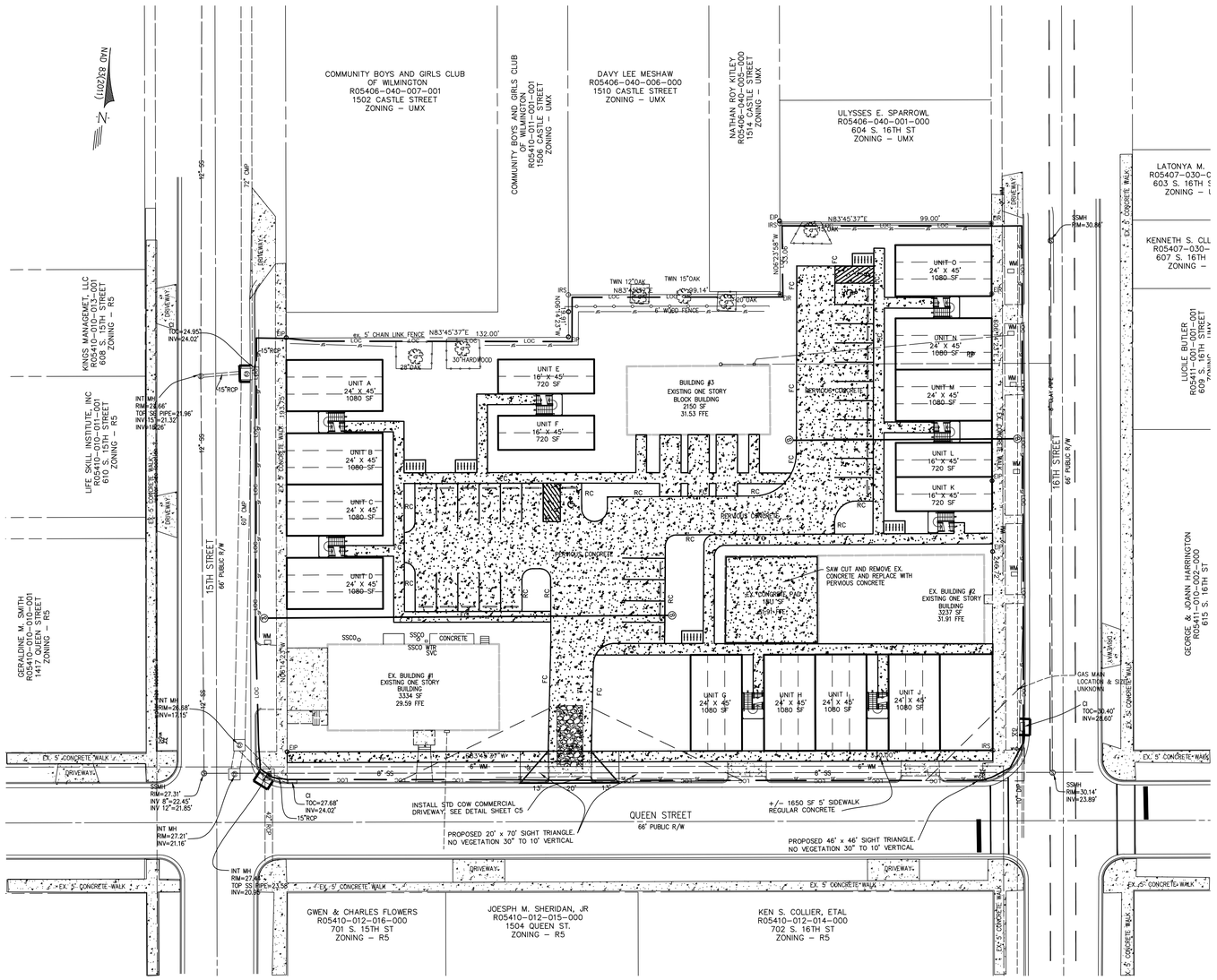
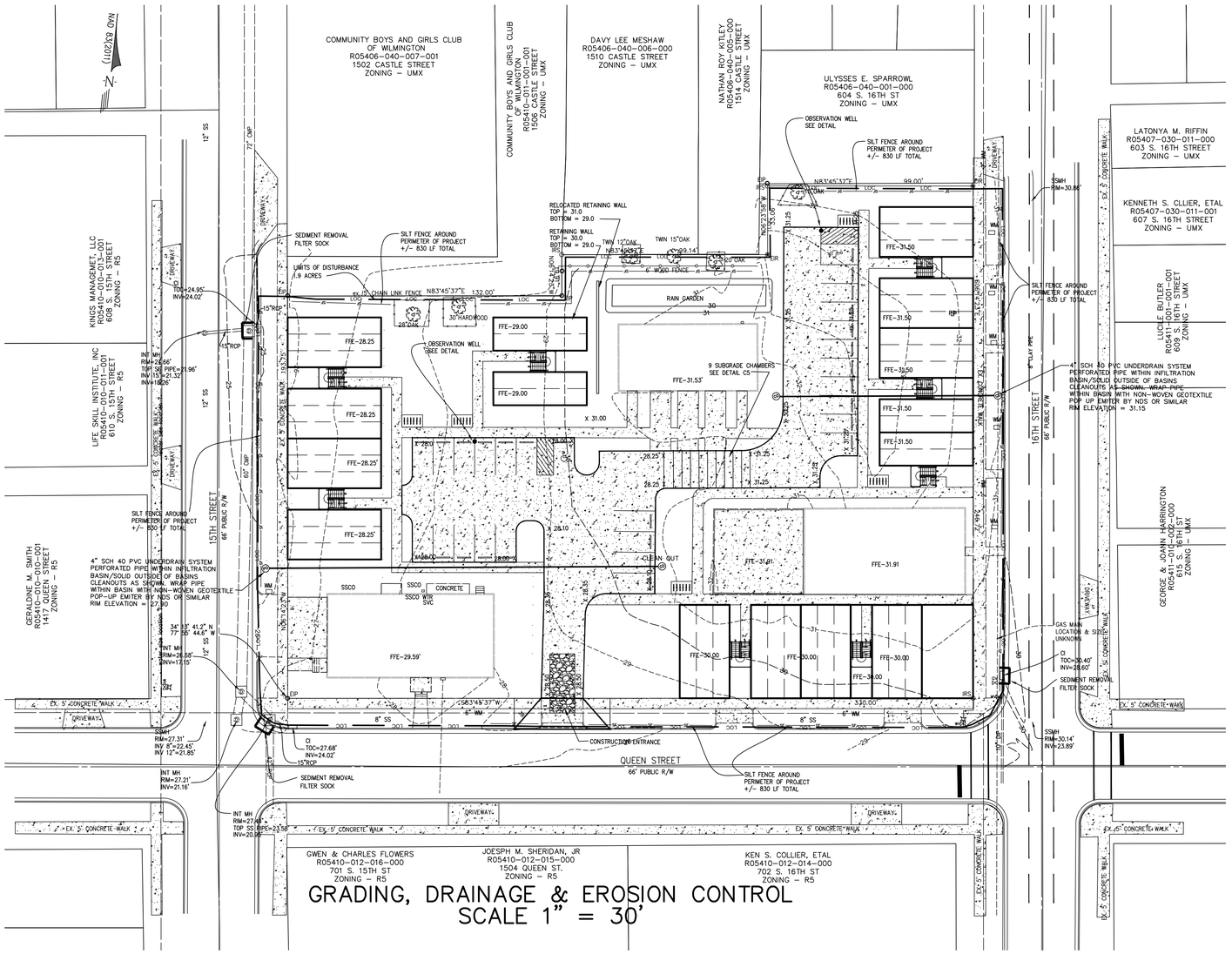

NAD 83(2011)
COMMUNITY BOYS AND GIRLS CLUB OF WILMINGTON R05406-040-007-001 1502 CASTLE STREET ZONING - UMX
COMMUNITY BOYS AND GIRLS CLUB OF WILMINGTON R05410-011-001-001 1506 CASTLE STREET ZONING UMX
DAVY LEE MESHAW R05406-040-006-000 1510 CASTLE STREET ZONING - UMX
NATHAN ROY KITLEY R05406-040-005-000 1514 CASTLE STREET ZONING - UMX
ULYSSES E. SPARROWL R05406-040-001-000 604 S. 16TH ST ZONING - UMX
LATONYA M. R05407-030-C 603 S. 16TH S ZONING -
KENNETH S. CLL R05407-030- 607 S. 16TH ZONING -
LUCILE BUTLER R05411-001-001 609 S. 16TH STREET ZONING
GEORGE & JOANN HARRINGTON R05411-010-002-000 615 S. 16TH ST
KINGS MANAGEMENT, LLC R05410-010-013-001 608 S. 15TH STREET ZONING - R5
LIFE SKILL INSTITUTE, INC R05410-010-014-000 610 S. 15TH STREET ZONING - R5
GERALDINE M. SMITH R05410-010-010-001 1417 QUEEN STREET ZONING - R5
15TH STREET 66' PUBLIC R/W
16TH STREET 66' PUBLIC R/W
QUEEN STREET 66' PUBLIC R/W
UNIT A 24' X 45' 1080 SF
UNIT B 24' X 45' 1080 SF
UNIT C 24' X 45' 1080 SF
UNIT D 24' X 45' 1080 SF
UNIT E 16' X 45' 720 SF
UNIT F 16' X 45' 720 SF
UNIT O 24' X 45' 1080 SF
UNIT N 24' X 45' 1080 SF RP
UNIT M 24' X 45' 1080 SF
UNIT L 16' X 45' 720 SF
UNIT K 16' X 45' 720 SF
UNIT G 24' X 45' 1080 SF
UNIT H 24' X 45' 1080 SF
UNIT I 24' X 45' 1080 SF
UNIT J 24' X 45' 1080 SF
BUILDING #3 EXISTING ONE STORY BLOCK BUILDING 2150 SF 31.53 FFE
EX. BUILDING #1 EXISTING ONE STORY BUILDING 3334 SF 29.59 FFE
EX. BUILDING #2 EXISTING ONE STORY BUILDING 3237 SF 31.91 FFE
SAW CUT AND REMOVE EX. CONCRETE AND REPLACE WITH PERVIOUS CONCRETE
PROPOSED PERVIOUS CONCRETE
EX. 5' CONCRETE WALK
EX. 5' CONCRETE WALK
DRIVEWAY
DRIVEWAY
EX. 5' CONCRETE WALK
EX. 5' CONCRETE WALK
EX. 5' CONCRETE WALK


COMMUNITY BOYS AND GIRLS CLUB OF WILMINGTON
R05406-040-007-001
1502 CASTLE STREET
ZONING - UMX
COMMUNITY BOYS AND GIRLS CLUB OF WILMINGTON
R05406-040-005-000
1506 CASTLE STREET
ZONING - UMX
DAVY LEE MESHAW
R05406-040-006-000
1510 CASTLE STREET
ZONING - UMX
NATHAN ROY WILEY
R05406-040-003-000
1514 CASTLE STREET
ZONING - UMX
ULYSSES E. SPARROWL
R05406-040-001-000
604 S. 16TH ST
ZONING - UMX
LATONYA M. RIFFIN
R05407-030-011-000
603 S. 16TH STREET
ZONING - UMX
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R05407-030-011-001
607 S. 16TH STREET
ZONING - UMX
LUCIE BUTLER
R05411-001-001-001
609 S. 16TH STREET
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R05411-001-002-000
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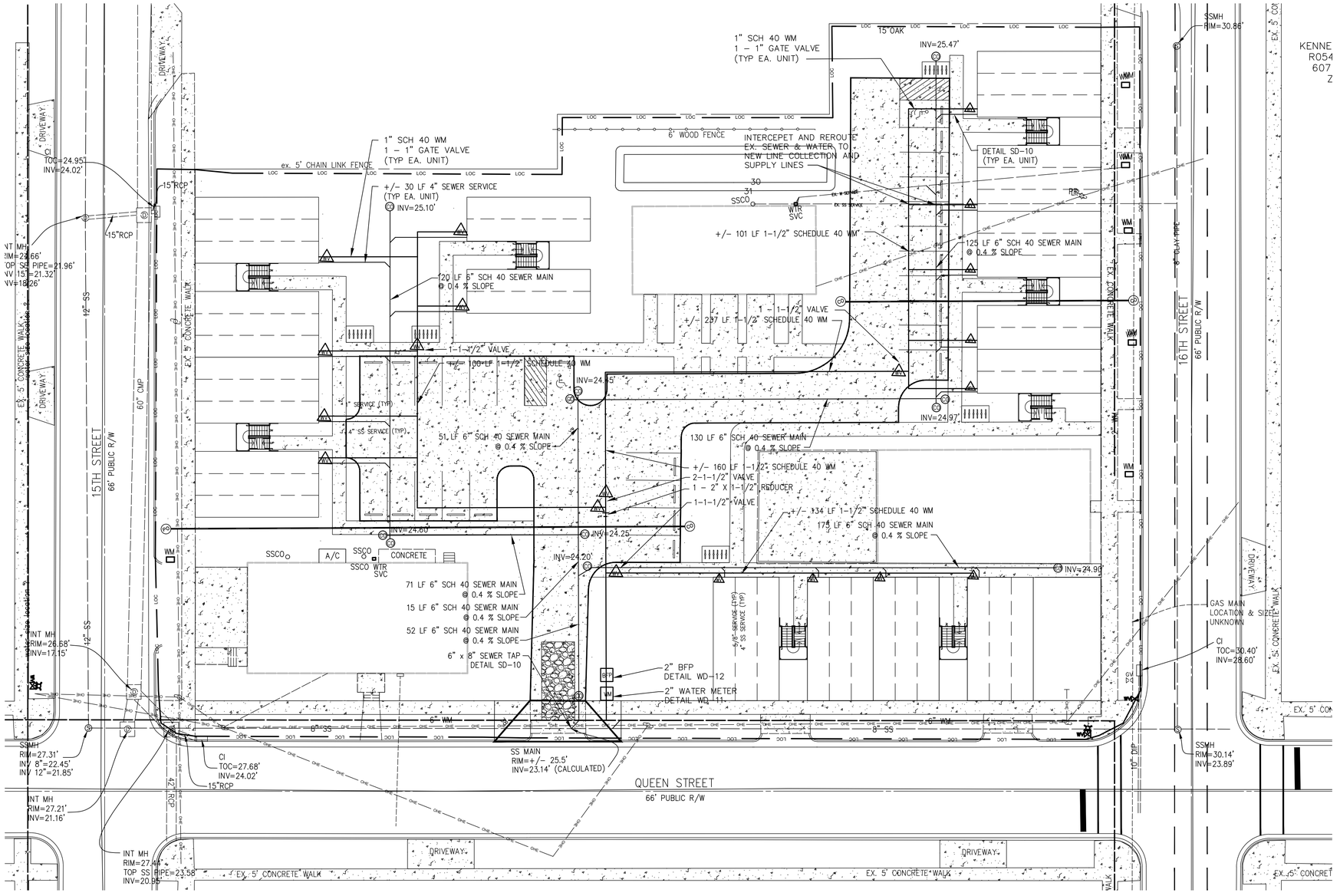
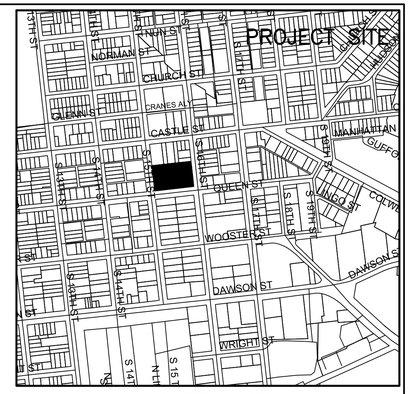
605 S. 15TH STREET
ZONING - R5
LIFE SKILL INSTITUTE, INC
R05410-010-011-001
610 S. 15TH STREET
ZONING - R5
GERALDINE M. SMITH
R05410-010-010-001
1417 QUEEN STREET
ZONING - R5
GWEN & CHARLES FLOWERS
R05410-012-016-000
701 S. 15TH ST
ZONING - R5
JOESPH M. SHERIDAN, JR
R05410-012-015-000
1504 QUEEN ST.
ZONING - R5
KEN S. COLLIER, ETAL
R05410-012-014-000
702 S. 16TH ST
ZONING - R5
15TH STREET
66' PUBLIC R/W
16TH STREET
66' PUBLIC R/W
QUEEN STREET
66' PUBLIC R/W
N
SEDIMENT REMOVAL FILTER SOCK
SILT FENCE AROUND PERIMETER OF PROJECT +/- 830 LF TOTAL
LIMITS OF DISTURBANCE 1.9 ACRES
CHAIN LINK FENCE N83°45'37"E 132.00'
OBSERVATION WELL SEE DETAIL
RELOCATED RETAINING WALL TOP = 31.0 BOTTOM = 29.0
RETAINING WALL TOP = 30.0 BOTTOM = 29.0
RAIN GARDEN
9 SUBGRADE CHAMBERS SEE DETAIL C5
4" SCH 40 PVC UNDERDRAIN SYSTEM PERFORATED PIPE WITHIN INFILTRATION BASIN/SOLID OUTSIDE OF BASINS CLEANOUTS AS SHOWN. WRAP PIPE WITHIN BASIN WITH NON-WOVEN GEOTEXTILE POP-UP EMITER BY NDS OR SIMILAR RIM ELEVATION = 27.90
4" SCH 40 PVC UNDERDRAIN SYSTEM PERFORATED PIPE WITHIN INFILTRATION BASIN/SOLID OUTSIDE OF BASINS CLEANOUTS AS SHOWN. WRAP PIPE WITHIN BASIN WITH NON-WOVEN GEOTEXTILE POP-UP EMITER BY NDS OR SIMILAR RIM ELEVATION = 31.15
CONSTRUCTION ENTRANCE
CLEAN OUT
GAS MAIN LOCATION & SIZE UNKNOWN
SSMH RIM=27.31' INV 8"=22.45' INV 12"=21.85'
INT MH RIM=27.21' INV=21.16'
INT MH RIM=27.48' TOP SS INV=23.38' INV=20.38'
SSMH RIM=30.86'
SSMH RIM=30.14' INV=23.89'
CI TOC=27.68' INV=24.02' 15"RCP
CI TOC=30.40' INV=28.60'
INT MH RIM=24.66' TOP SS PIPE=21.96' INV=15'=21.32' INV=18.26'
SSCO
SSCO W/R SVC
CONCRETE
EX. 5' CONCRETE WALK
DRIVEWAY
PROPOSED 24.5' CONCRETE WALK
6' WOOD FENCE
30" HARDWOOD
28" OAK
TWIN 12" OAK
TWIN 15" OAK
8" SS
6" WM
8" DIP
6" CLAY PIPE
FFE=29.00
FFE=28.25
FFE=28.25'
FFE=29.59'
FFE=31.50
FFE=31.53'
FFE=31.91
FFE=30.00
FFE=34.00
FFE=30.00
FFE=31.50
FFE=31.50
FFE=31.50



UTILITY PLAN
SCALE 1" = 20'

30' 0 30' 60'
SCALE: 1"=30' (Horiz.)



VICINITY MAP
NTS

UTILITY INFORMATION

SEWAGE USE

12 – 1 BEDROOM UNITS
33 – 2 BEDROOM UNITS

78 – BEDROOM X 120 GPD/BDRM = 9,360 GPD – PROPOSED

TWO BUILDINGS ON SITE X 2 BEDROOMS PER = 480 GPD – EXISTING

TOTAL SEWER LOAD = 11,040 GPD

WATER USE

EXISTING 480 GPD

PROPOSED 10,560 GPD

NUMBER	DATE	REVISION

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

UTILITES

SQUARE ONE
WILMINGTON, NC

L S SMITH, INC.
1607 Queen Street
Wilmington, NC 28401-5526
910-409-8782

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 29316 BRADFORD SEDGWICK

JBS CONSULTING, PA
7332 Cotesworth Drive
Wilmington, NC 28405
(910) 619-9990
License Number C-2525
PLANNING – ENGINEERING – PROJECT MANAGEMENT

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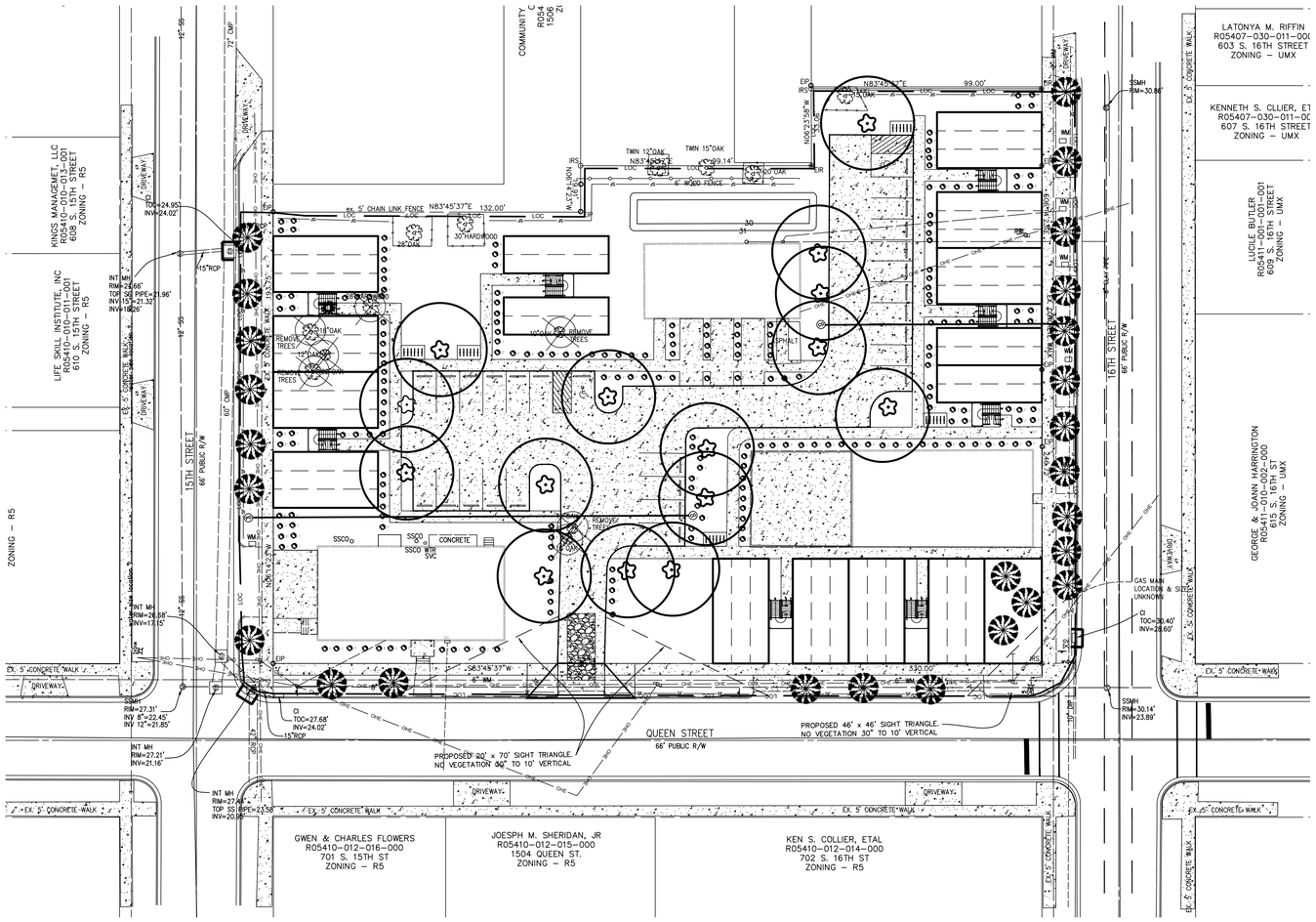


LANDSCAPE DATA

LANDSCAPE PLAN
SCALE 1" = 30'

30' 0 30' 60'
SCALE: 1"=30' (Horiz.)

LANDSCAPE DATA

STREET YARD BUFFER
1 TREE PER 30' FRONTAGE 770' FRONTAGE

770 LF FRONTAGE = 26 TREES REQUIRED – 26 PROVIDED

PARKING LOT LANDSCAPING

PARKING LOT SHADING WILL BE ACCOMPLISHED WITH PROPOSED TREES SHOWN ON PLAN, PER COW CRITERIA THE PARKING LOT SHALL HAVE A 20% SHADING COVERAGE.

PARKING ISLES & SIDE WALKS ON SITE EQUAL 20,130 SF X 20% = 4026 SF

SHADING FROM PROPOSED TREES (AREA IN CIRCLES OVER PAVING) = 9163 SF (CRITERIA MET)

PERIMETER LANDSCAPING – NOT APPLICABLE FOR THIS PROJECT

FOUNDATION PLANTINGS

HEIGHT X WIDTH X 12%

2 BDRM UNITS = 24 X 27 X 12% = 78 SF
1 BDRM UNITS = 16 X 27 X 12% = 52 SF

EACH UNIT MEETS OR EXCEEDS THIS REQUIREMENT. SEE PLAN

PLAN SHOWS PROPOSED PLANTINGS. SHRUBS OTHER THAN SHOWN MAY BE SUBSTITUTED WITH SELECTIONS FROM THE APPROVED PLANTING LIST AS SHOWN IN THE MOST CURRENT COW TECHNICAL STANDARDS AND SPECIFICATIONS MANUAL

BUFFER YARDS

NOT APPLICABLE FOR THIS PROJECT

GROUND COVER

ALL ISLAND SHALL BE PLANTED WITH GROUND COVER PLANTING SHOWN IN THE APPROVED PLANT LIST MENTIONED ABOVE OR PINE STRAW/MULCH

LANDSCAPE NOTES

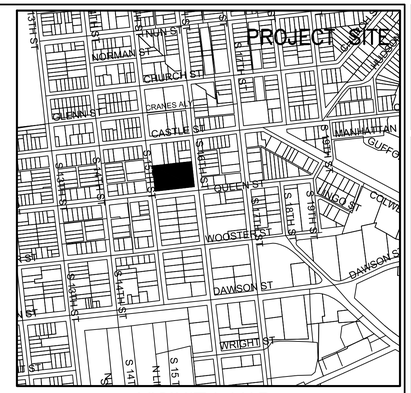
1. ALL PLANTED AND RETAINED LIVING MATERIAL, REQUIRED TO MEET THE PROVISIONS OF THE CITY OF WILMINGTON, LAND DEVELOPMENT CODE, SHALL BE PERPETUALLY PROTECTED AND MAINTAINED, TO PROFFESSIONALY ACCEPTED STANDARDS BY JOINT AND SEVERAL RESPONSIBILITY OF THE OWNER, OCCUPANTS, TENANT AND RESPECTIVE LIVE AGENTS OF THE PROPERTY ON WHICH THE MATERIAL IS LOCATED.

2. LANDSCAPING SHOWN IS MINIMIMAL AMOUNT OF LANDSCAPING PER THE UMX ZONING. OWNER WILL PLANT MORE MATERIAL IN LANDSCAPE BEDS AS SHOWN.

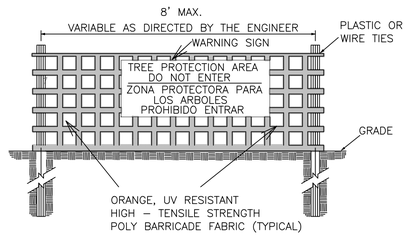
3. INSTALL TREE PROTECTION AT A RATE OF 1" OF FENCING PER 1" DIA AT DBH.

STREET TREES

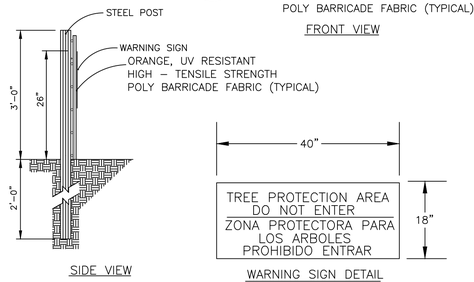
Scientific Name	Common Name	Size	Symbol	Quantity
CORNUS FLORIDA	Dogwood	6' Height		26
QUERCUS PHELLOS	WILLOW OAK	Min. 2" Caliper		15
ILEX VOMITORIA	DWARF YAUPON HOLLY	5 gallon/ shrub	Y	100
PITTOSPORUM TOBIRA	DWARF PITTOSPORUM	5 gallon/ shrub	P	100



VICINITY MAP
NTS



FRONT VIEW



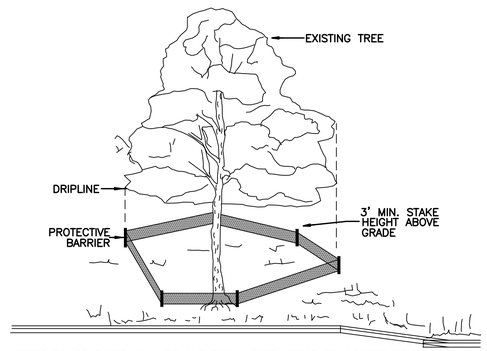
SIDE VIEW

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.

TREE PROTECTION DURING CONSTRUCTION
SD 15–09
NOT TO SCALE



TREES TO BE SAVED WILL BE CLEARLY MARKED PRIOR TO CONSTRUCTION AND A PROTECTIVE BARRIER IS TO BE INSTALLED AT THE DRIPLINE.
DRIP LINE – THE AREA OF SOIL DIRECTLY BENEATH THE TREE EXTENDING OUT TO THE TIPS OF THE OUTERMOST BRANCHES.
CONTRACTOR TO COMPLIE WITH COW SIGN ORDINACE FOR MARKING FENCING

METHOD OF TREE PROTECTION DURING CONSTRUCTION
SD 15–08
NOT TO SCALE

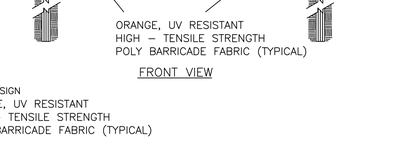
NUMBER	DATE	REVISION

DESIGN BY: BDS
DRAWN BY: BDS
CHECKED BY: BDS
DATE

UTILITES

SQUARE ONE
WILMINGTON, NC

L S SMITH, INC.
1607 Queen Street
Wilmington, NC 28401–5526
910–409–8782



JBS CONSULTING, PA
7332 Cotesworth Drive
Wilmington, NC 28405
(910) 619-9990
License Number C-2525

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C4
of X

JOB NO.
104–001

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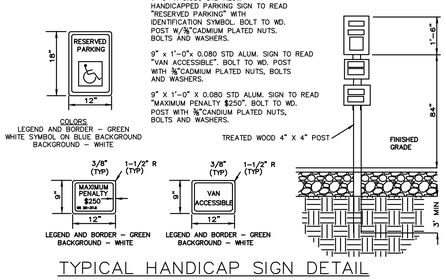
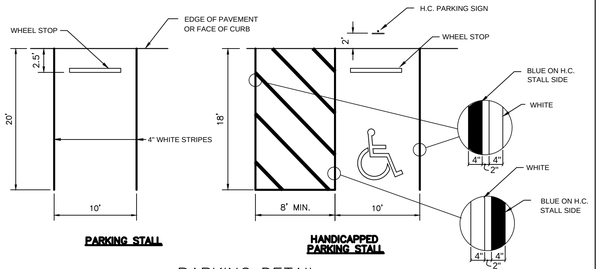
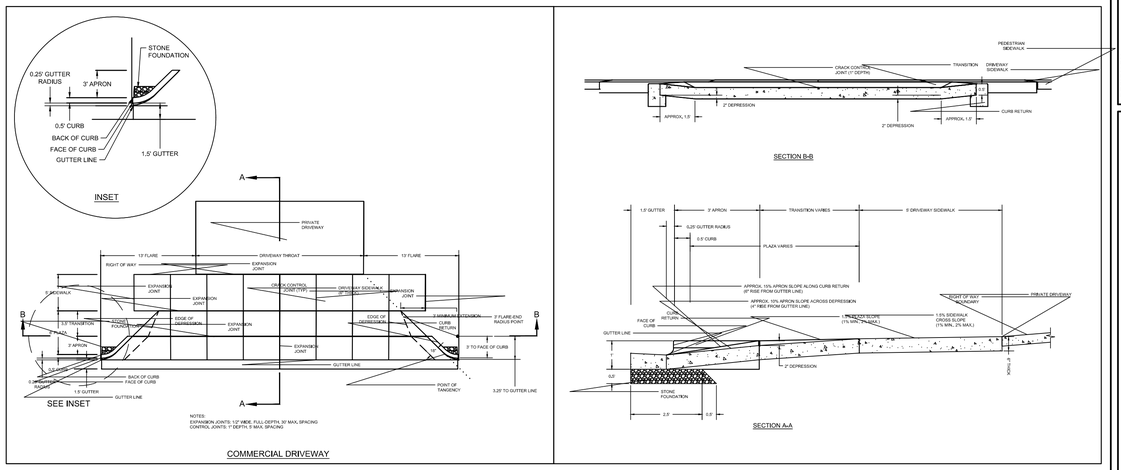


TYPICAL HANDICAP SIGN DETAIL

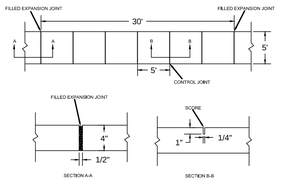


PARKING DETAIL

NOT TO SCALE



COMMERCIAL DRIVEWAY



NOTES 1. JOINT MATERIAL TO COMPLY WITH CURRENT NCDOT STANDARDS.

2. SANITARY SEWER CLEAN-OUTS, WATER METERS, MANHOLES, AND VALVE LIDS TO BE LOCATED OUTSIDE SIDEWALK WHERE FEASIBLE.

3. MINIMUM SIDEWALK WIDTH TO BE 6' MINIMUM IF PLACED AT BACK OF CURB.

4. CONCRETE FOR ALL SIDEWALKS (EXCEPT ANY PORTION CONTAIN WITHIN A DRIVEWAY APRON) SHALL BE CLASS "A" - 3,000 PSI.

5. MINIMUM REPLACEMENT FOR REPAIRS IS A 5' X 5' PANEL.

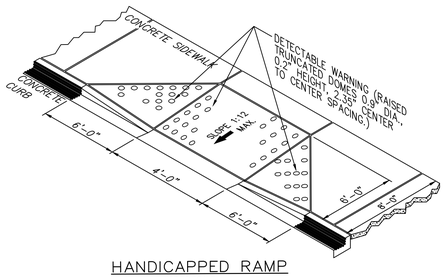
6. 4" STONE BASE MAY BE REQUIRED FOR POOR SOIL CONDITIONS

7. MINIMUM DEPTH FOR TUNNELING BELOW SIDEWALK IS 12".

8. MAX ADJACENT GROUND SLOPE WITHOUT RAILING IS 2:1

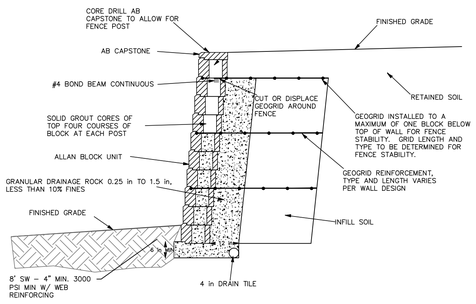
9. MIN GRADE FOR PROPER DRAINAGE IS 1% IN AT LEAST 1 DIRECTION. MAX CROSS SLOPE IS 2%. MAX LONGITUDINAL SLOPE IS 8.3%. 10% IF LIMITED BY EXISTING CONDITIONS, OR NO GREATER THAN THE SLOPE OF THE EXISTING ADJACENT ROAD.

SIDEWALK
SD 5-10



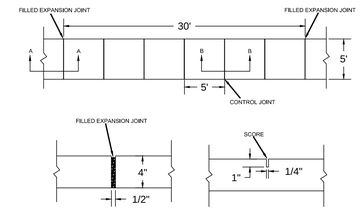
HANDICAPPED RAMP

NOT TO SCALE



RETAINING WALL SECTION

NOT TO SCALE



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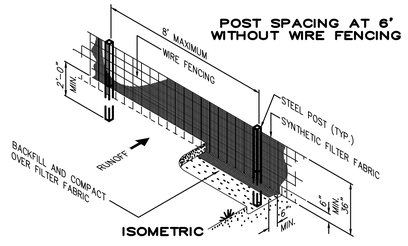
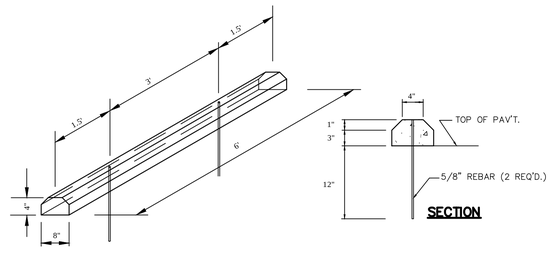
CONCRETE WALK SECTION

SIDEWALK
SD 5-10



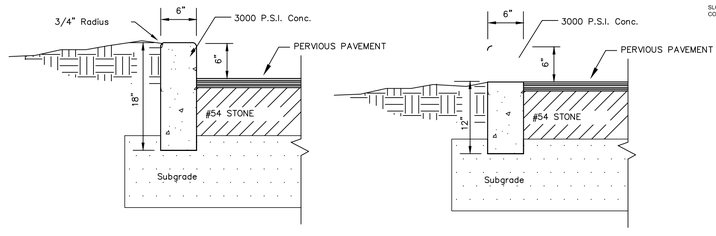
SILT FENCE DETAIL

NOT TO SCALE



WHEEL STOP DETAIL

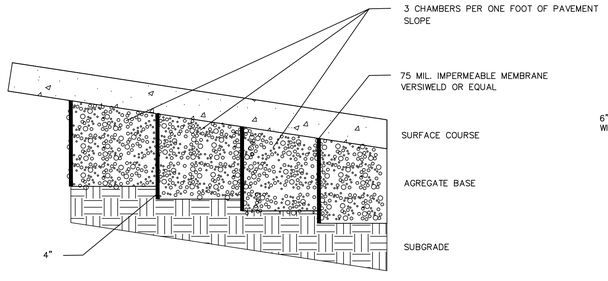
NOT TO SCALE



TRANSITION BETWEEN SECTIONS WITH 45% SLOPE

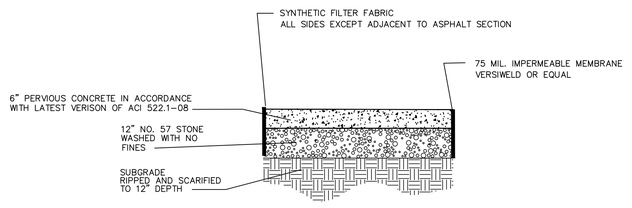
HEADER CURB DETAIL

NOT TO SCALE



PERVIOUS CONCRETE SUBGRADE SLOPE

NOT TO SCALE



PERVIOUS CONCRETE PAVEMENT SECTION

NOT TO SCALE

NOTE TO CONTRACTOR

DURING CONSTRUCTION, PRIOR TO INSTALLATION OF THE SUB-GRADE, INFILTRATION/HYDRAULIC CONDUCTIVITY TESTING MUST BE PREFORMED IN THE SURFACE OF THE UNDERLYING SOIIL. TWO TEST SPOTS, RANDOM SHALL BE PREFORMED. RESULTS OF TESTING TO BE REVIEWED BY CIVIL ENGINEER PRIOR TO THE INSTALLATION OF THE SUB-GRADE STONE.

Approved Construction Plan

Name Date

Planning_____

Traffic_____

Fire_____

STORMWATER MANAGEMENT PLAN
APPROVED
CITY OF WILMINGTON
ENGINEERING DEPARTMENT
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.

NUMBER	DATE	REVISION

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

DETAILS

SQUARE ONE
WILMINGTON, NC

L S SMITH, INC.
1607 Queen Street
Wilmington, NC 28401-5526
910-409-8782

JBS CONSULTING, PA
7332 Cotesworth Drive
Wilmington, NC 28405
(910) 619-9990
License Number C-2525
PLANNING – ENGINEERING – PROJECT MANAGEMENT

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