

TECHNICAL REVIEW COMMITTEE PLANS

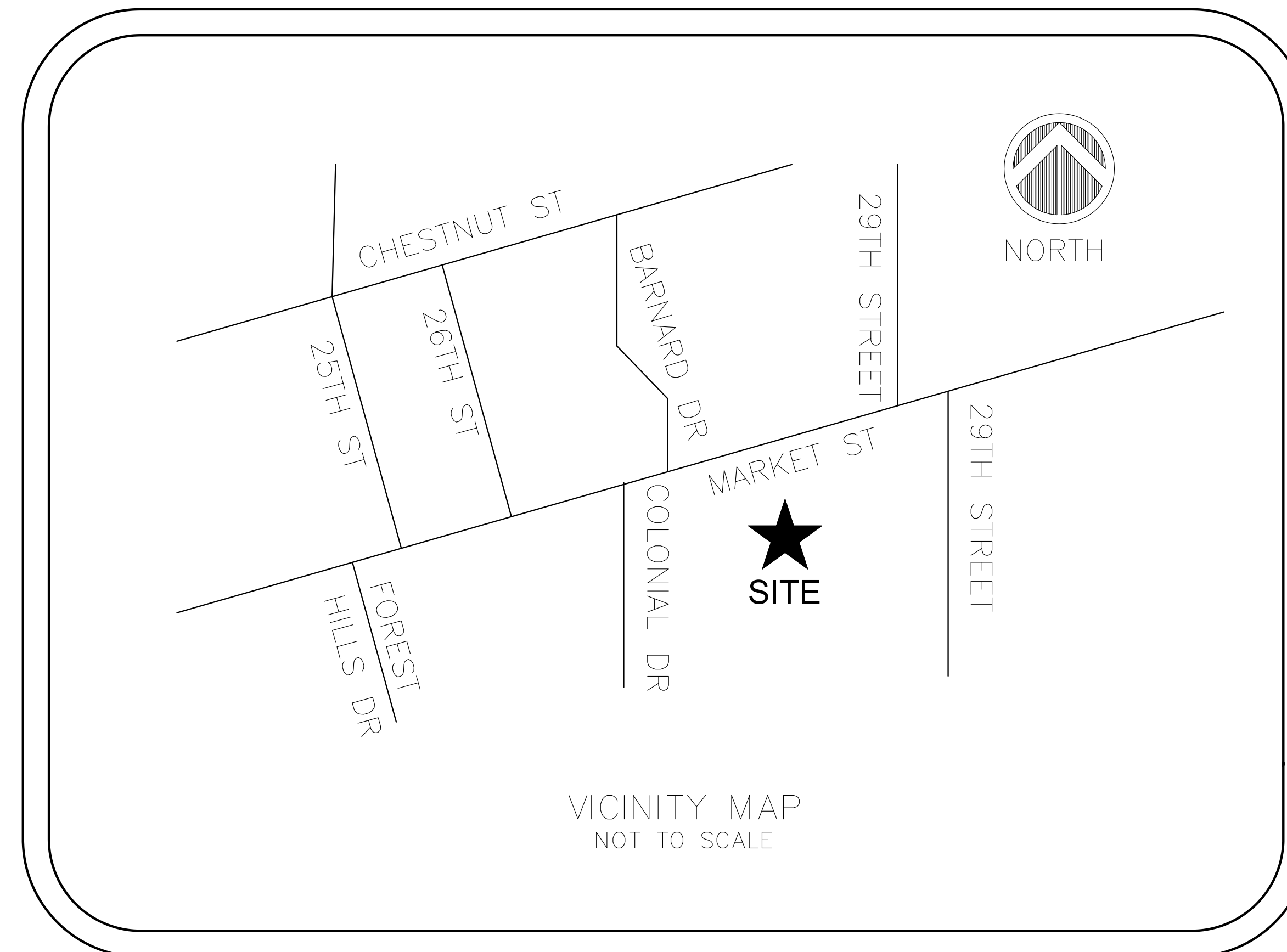
for

THE NIR FAMILY YMCA EXPANSION

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 CFPWA 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 CFPWA 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 CFPWA water shall comply with the CFPWA's Connection Control regulations. Call 332-6419 for information.
11. Any backflow prevention devices required by the CFPWA 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.



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L-1	LANDSCAPE PLAN
L-2	LANDSCAPE DETAILS
DET-1	DETAILS
DET-2	DETAILS

OWNER:

THE NIR FAMILY YMCA
2710 MARKET STREET
WILMINGTON, NC 28402
(910) 251-9622

EMAIL CONTACT:

dick.jones@wilmingtonfamilyymca.org

ENGINEER:



7 c UghU' @JbX'8Yg] bzd@a7

7]] 9b] JbYYf] # @ubXgWdy'5Rk]YVW] FY
@ubX'D'Ubb] #7cbgfr] W]cb A Ubu] Ya Ybh

B769@G: Jfa @WbgY' Bc: D]S' *-

D'C'6cl' %9& & K Ja J] fcbzB7 & (\$& k k k 'WXYb] 'Wta D'cbY: - %S]8) (L-' ' ' : U: - %S]8) (IS) \$&

SURVEYOR:

ESP ASSOCIATES, P.A.
211 RACINE DRIVE
WILMINGTON, NC 28402
(910) 313-6648

ISSUED FOR AGENCY
REVIEW ONLY

NOT RELEASED FOR
CONSTRUCTION

BEFORE YOU DIG, CALL



GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING UTILITIES, ABOVE AND BELOW GROUND, PRIOR TO CONSTRUCTION.
2. SURVEY AND TOPOGRAPHICAL INFORMATION AS SHOWN ON THESE PLANS HAVE BEEN PROVIDED BY ESP AND ASSOCIATES, WILMINGTON, NC.
3. NO WETLANDS ON-SITE.
4. CONTRACTOR IS RESPONSIBLE FOR DISPOSAL OF ALL WASTE MATERIALS GENERATED THROUGH DEMOLITION AND GRUBBING ACTIVITIES.
5. THE TOTAL DISTURBANCE FOR THE WORK SHOWN IN THIS PLAN IS APPROXIMATELY 1.35 ACRES.
6. ALL SITE GRADING AND PIPING TO PROVIDE POSITIVE DRAINAGE.

WILMINGTON
NORTH CAROLINA
Public Services Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN

Name _____ Date _____

Planning _____

Traffic _____

Fre _____

Signed: _____

WILMINGTON
NORTH CAROLINA

Approved Construction Plan

Name _____ Date _____

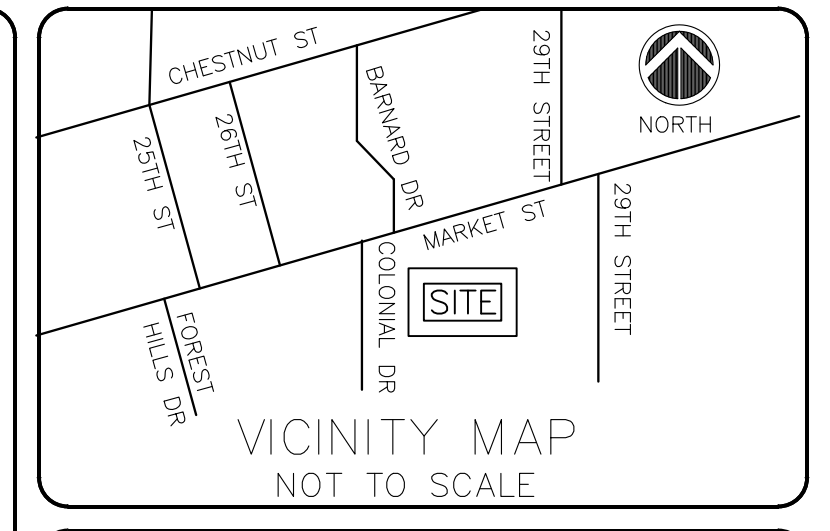
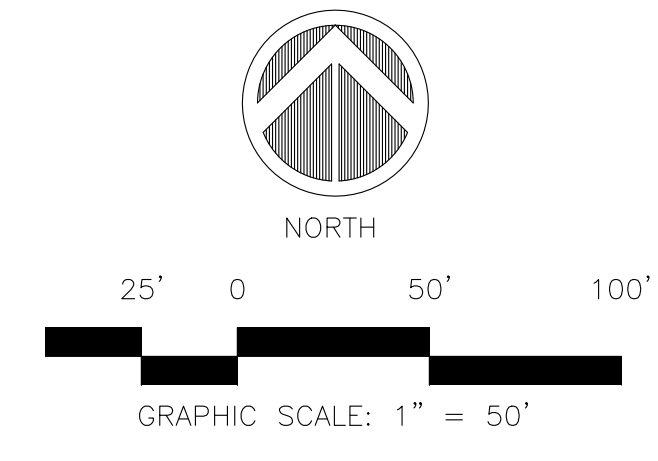
Planning _____

Traffic _____

Fre _____

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

MARKET STREET
VARIABLE WIDTH PUBLIC RIGHT-OF-WAY



EXISTING IMPERVIOUS AREA

BUILDINGS:	51,115 SF
PARKING:	104,540 SF
SIDEWALK:	4,525 SF
CONCRETE:	4,010 SF
TOTAL BUA:	164,190 SF
% BUA:	33.21%

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

WILMINGTON
NORTH CAROLINA

Approved Construction Plan

Name _____ Date _____

Planning _____

Traffic _____

Fire _____

WILMINGTON
NORTH CAROLINA

Public Service Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN

Date: _____ Permit #: _____

Signed: _____

LEGEND:

- LIMIT OF DISTURBANCE
- - - LOT LIMIT
- - - PARCELS
- - - EXISTING CONCRETE/ASPHALT
- - - CHAIN LINK FENCING

REV. #	DESCRIPTION	REV. BY	DATE

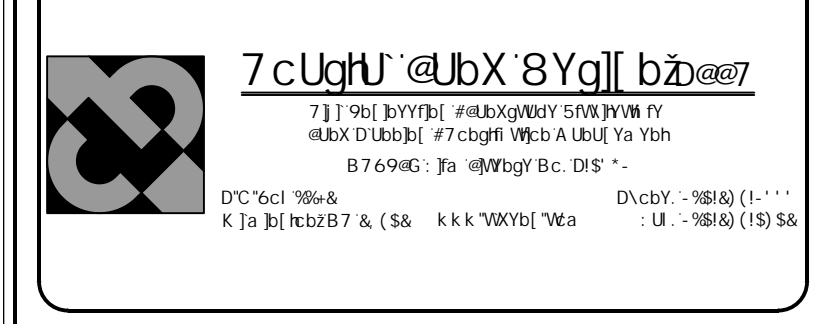
ADJACENT PROPERTY OWNERS

Lot	Owner	Parcel ID	Deed Book and Page	Zoning & Land Use
2B	BRILLHART DAVID N	R04820-008-015-000	DB1961 PG0316	R-15 RES.
3B	WEBB DAVID P CHARLOTTE K	R04820-008-017-000	DB3620 PG0488	R-15 RES.
4B	WEBB DAVID P CHARLOTTE K	R04820-008-018-000	DB2533 PG0345	R-15 RES.
5B	BOYLE JUDITH M	R04820-008-019-000	DB2061 PG0078	R-15 RES.
6B	SAGAT STEVEN M	R04820-008-020-000	DB5635 PG1179	R-15 RES.
7B	COADY ROSE ELIZABETH	R04820-008-021-000	DB5911 PG1553	R-15 RES.
8B	CONRAD JANICE H REVOCABLE TRUST	R04820-008-022-000	DB5764 PG2426	R-15 RES.
9B	FEIN SANDOR D COLETTE M	R04820-008-023-000	DB4924 PG430	R-15 RES.
10B	MCCUMBER JAMES B II ELIZABETH	R04820-008-024-000	DB2370 PG0038	R-15 RES.
11B	SCHMIDT KIRK A JAYCE E	R04820-008-025-000	DB3018 PG0187	R-15 RES.
12B	BOERSMA JESS M CAROLINE J SCORZA	R04820-008-026-000	DB5297 PG1326	R-15 RES.
13B	VEST KENNETH M SUE K	R04820-008-027-000	DB5908 PG0457	R-15 RES.
11	FURR LOIS P ETAL	R04820-008-040-000	DB5601 PG2223	R-15 RES.
12	PHILLIPS JAMES M DEBORAH F	R04820-008-041-000	DB5334 PG2534	R-15 RES.
13	WELLS FARGO BANK NA	R04820-008-042-000	DB6000 PG0775	R-15 RES.
14	FLYNN SUSAN H	R04820-008-043-000	DB9909 PG2610	R-15 RES.
15	BLAIR DWIGHT I MELISSA M	R04820-008-044-000	DB5881 PG1730	R-15 RES.
OCTAVIA	OCTAVIA HOMEOWNERS ASSOC INC	R04820-008-055-000	DB4611 PG0803	O&I-1

OWNER:
THE NIR FAMILY YMCA
2710 MARKET STREET
WILMINGTON, NC 28402

ISSUED FOR AGENCY REVIEW ONLY

NOT RELEASED FOR CONSTRUCTION



DRAWN : R LEWIS PROJECT : 130-00
DESIGN : J CARMINE NUMBER :
CHECK : F BRAXTON SCALE : 1"=50'
APPROVED : J PETROFF DATE : 3 MARCH 2017
FILE NAME :

THE NIR FAMILY YMCA

EXISTING CONDITIONS SITE INVENTORY

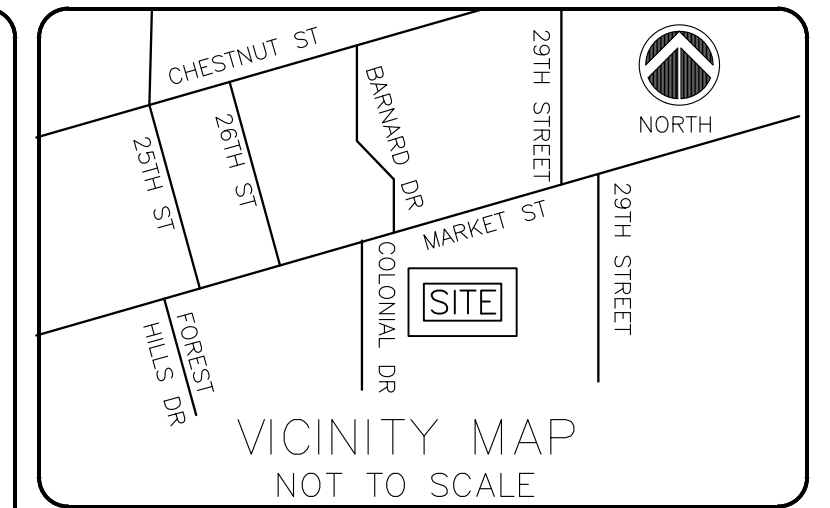
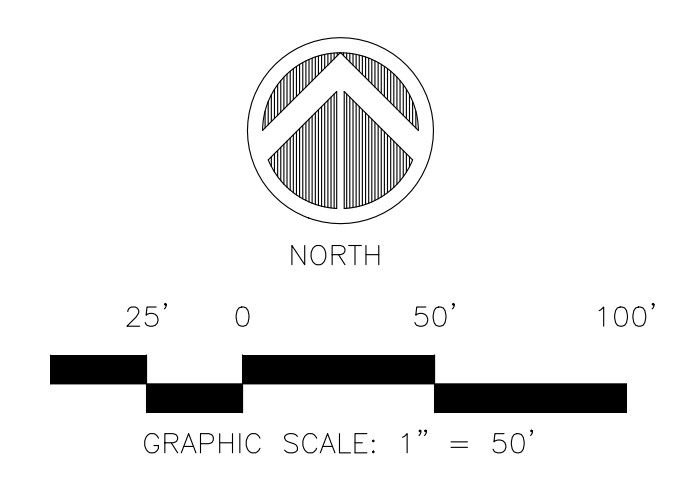
JOB NUMBER: 130-00 SHEET NUMBER: INV-2



MARKET STREET
VARIABLE WIDTH PUBLIC RIGHT-OF-WAY

REMOVE EXISTING CURB AND SIDEWALK
TO PROVIDE REQ. TAPER OF DRIVEWAY

EXISTING DRIVEWAY TO
BE REMOVED



LEGEND:

- DEMOLISHED STRUCTURE OR PAVEMENT
- TREES TO BE REMOVED
- TREES REQ. MITIGATION
- LIMIT OF DISTURBANCE
- LOT LIMIT
- PARCELS
- EXISTING CONCRETE/ASHPHALT
- CHAIN LINK FENCING

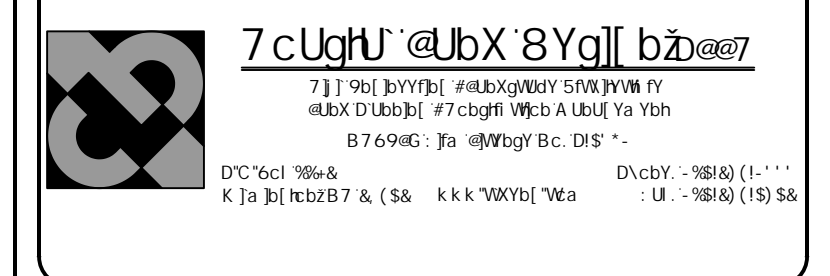
DEMOLISHED IMPERVIOUS AREA	
BUILDINGS:	2,360 SF
PARKING:	14,465 SF
SIDEWALK:	295 SF
CONCRETE:	580 SF
TOTAL:	17,700 SF

REV. #	DESCRIPTION	REV. BY	DATE
REVISIONS			

OWNER:
THE NIR FAMILY YMCA
2710 MARKET STREET
WILMINGTON, NC 28402

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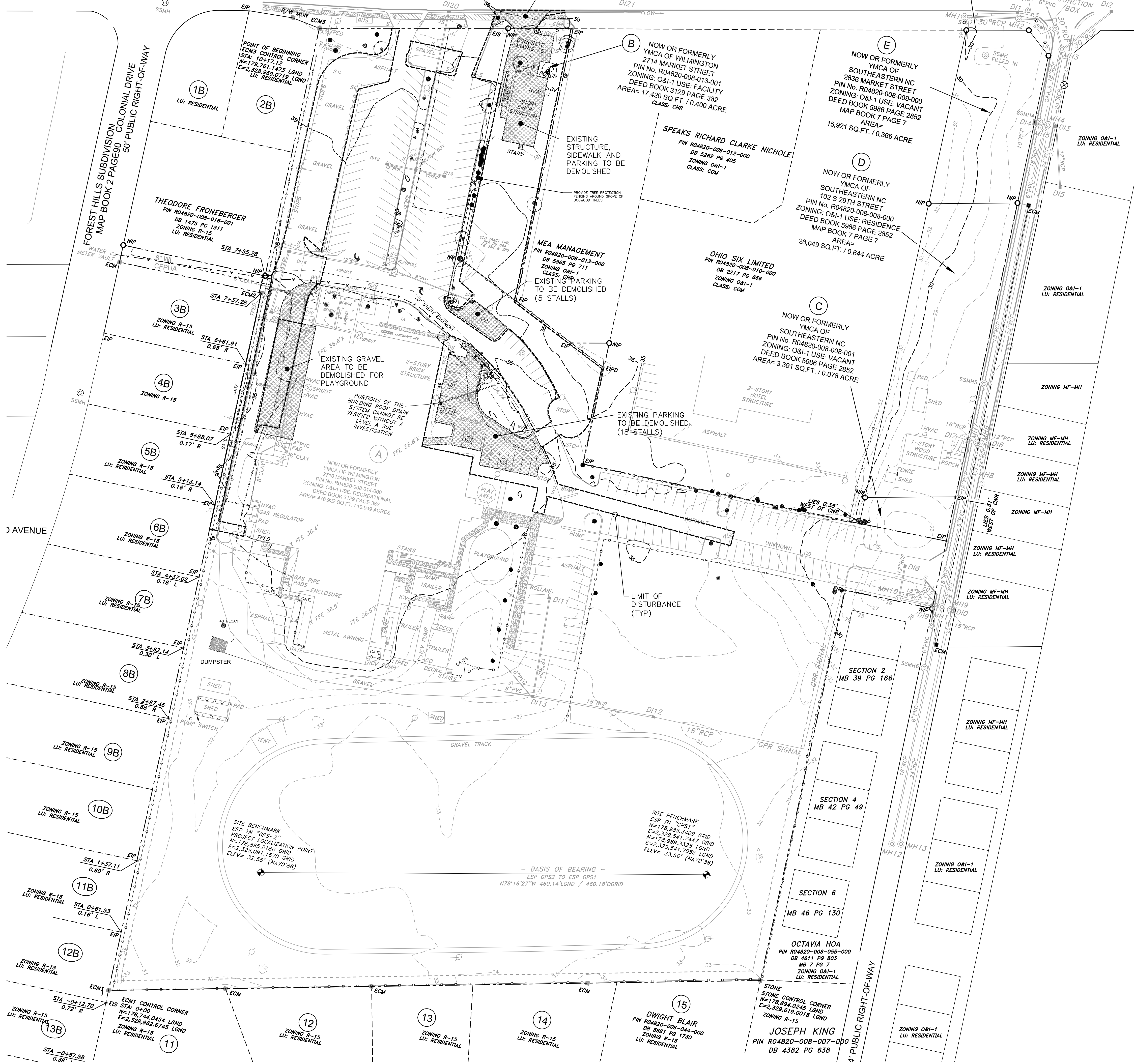


DRAWN :	R LEWIS	PROJECT :	130-00
DESIGN :	J CARMINE	NUMBER :	
CHECK :	F BRAXTON	SCALE :	1"=50'
APPROVED :	J PETROFF	DATE :	3 MARCH 2017
FILE NAME :			

**THE NIR FAMILY
YMCA**

**PROPOSED DEMOLITION
PLAN**

JOB NUMBER	SHEET NUMBER
130-00	SP-1



For each open utility out 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 Service Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN

Date: _____ Permit # _____

Signed: _____

CITY OF WILMINGTON
NORTH CAROLINA

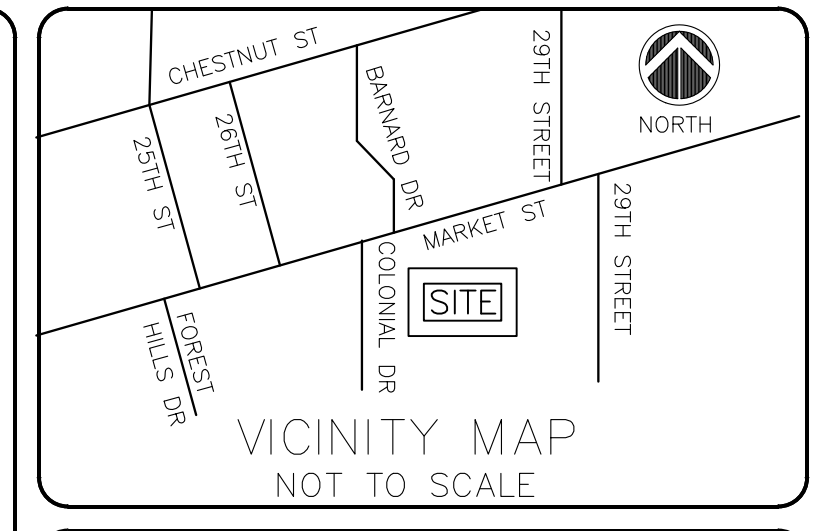
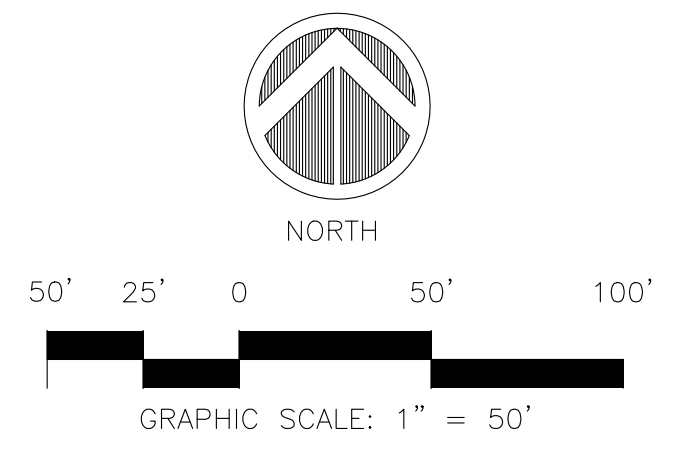
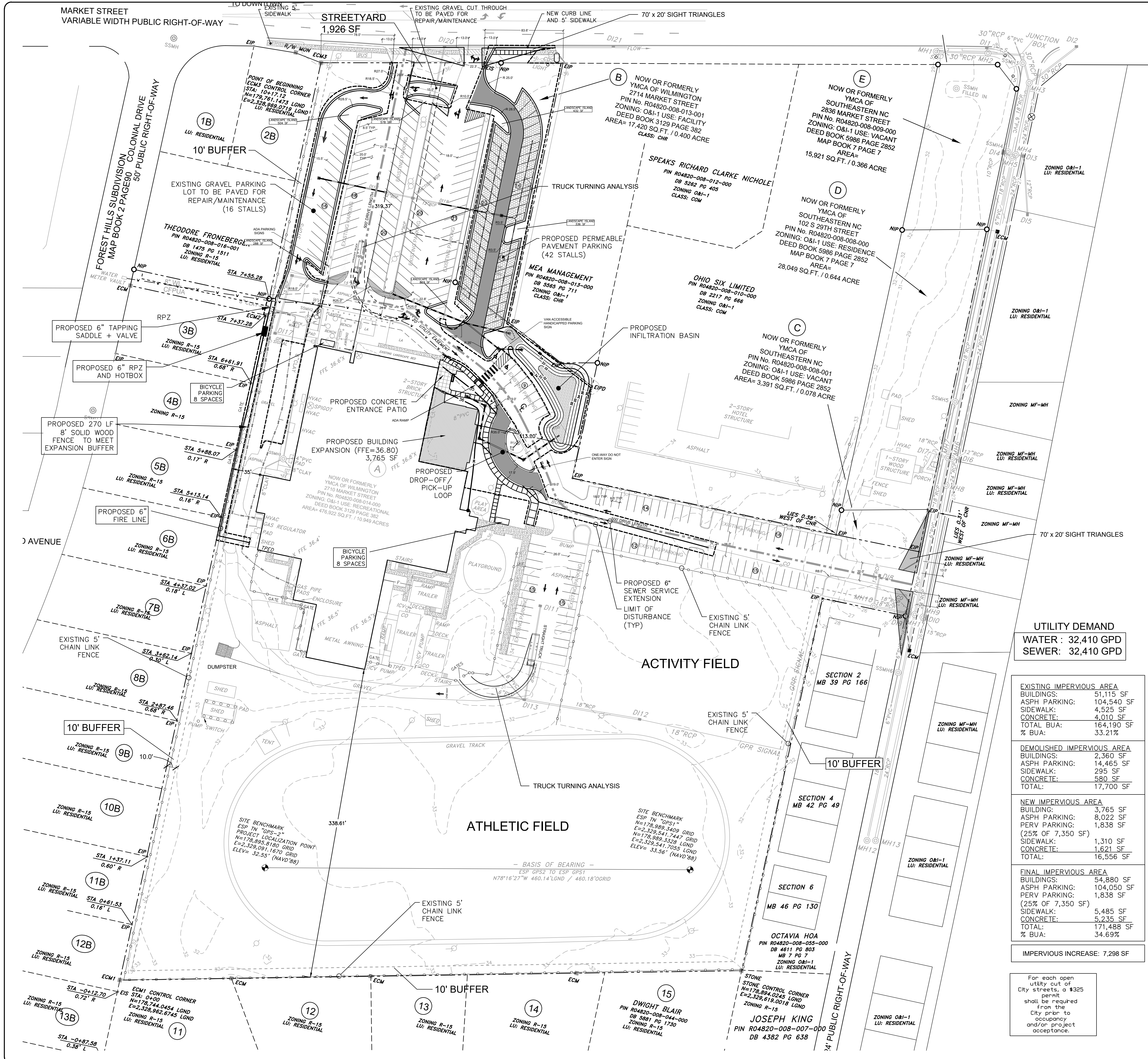
Approved Construction Plan

Name _____ Date _____

Planning _____

Traffic _____

Fre _____



SITE DATA

PROJECT: YMCA-MARKET STREET EXPANSION
 ADDRESS: 2710 MARKET STREET
 OWNER: YMCA OF WILMINGTON
 2710 MARKET STREET
 WILMINGTON, NC 28402
 PIN #: R04820-008-014, R04820-008-013
 ZONING: O&I-1
 LAND USE: 798 - RECREATION (PRIVATE)
 PARCEL SIZE: 11.35 AC (494,342 SF)
CAMA LAND USE: URBAN

BUILDING DATA
 EX. BUILDING: 61,054 GSF
 EX. BUILDING HT: 27 FT
 PROPOSED BUILDING EXPANSION: 3,765 GSF (6.0%)
 PROPOSED BUILDING EXPANSION HT: 31 FT
 FIRST FLOOR: 46,429 SF
 SECOND FLOOR: 14,625 SF

BUILDING COVERAGE
 TOTAL BUILDING FOOTPRINT: 54,880 SF
 BUILDING LOT COVERAGE: 11.10%
 ALLOWED COVERAGE: 40%

BUILDING SETBACKS
 REQUIRED: FRONT: 20 FT
 REAR: 20 FT (25' ABUTTING RESIDENTIAL + 1:1' RATIO OVER 20' BLDG HT)
 SIDE: 10 FT (20' ABUTTING RESIDENTIAL + 1:1' RATIO OVER 20' BLDG HT)
 MAX. BLDG HT: 45 FT
 PROPOSED: FRONT: 319.37 FT
 REAR: 338.61 FT
 SIDE: EAST 113.20 FT, WEST 35 FT
 BUILDING HT: 31 FT

PARKING
 REQUIREMENTS: 1/SPACE/200 GSF (MAX)
 1/SPACE/400 GSF (MIN)
 TOTAL BLDG GSF: 64,819 GSF
 REQUIRED PARKING: 325 SPACES (MAX)
 162 SPACES (MIN)
 PROVIDED PARKING: 235 SPACES
 REQUIRED ADA SPACES: 7 SPACES
 PROPOSED ADA SPACES: 7 SPACES (2 NEW)

BICYCLE PARKING
 REQUIREMENTS: PROVIDE 5 BIKE SPACES FOR FIRST 25 VEHICLE PARKING SPACES & 5 MORE FOR EACH ADDITIONAL 100 VEHICLE PARKING SPACES
 PROVIDED: 16 BICYCLE SPACES

LANDSCAPE REQUIREMENTS - EXPANSION
BUILDING EXPANSION
 EXISTING: 46,683 SF
 EXPANSION: 3,765 SF (8.0%)
VEHICULAR USE AREA
 EXISTING: 104,540 SF
 EXPANSION: 1,348 SF (1.3%)**
 **AFTER DEMOLITION DEDUCTION
 ADDITIONAL PARKING SPACES: 19 SPACES

STREETYARD: LANDSCAPE EXPANSION REQUIREMENTS
 BUFFER YARD:
 TREES: 15/DISTURBED ACRE
 1/2 THE REQUIRED FOR NEW CONSTRUCTION
 INTERIOR LANDSCAPING: 4.0%
 FENCE OR 1/2 THE WIDTH REQUIRED FOR NEW CONSTRUCTION

LEGEND:

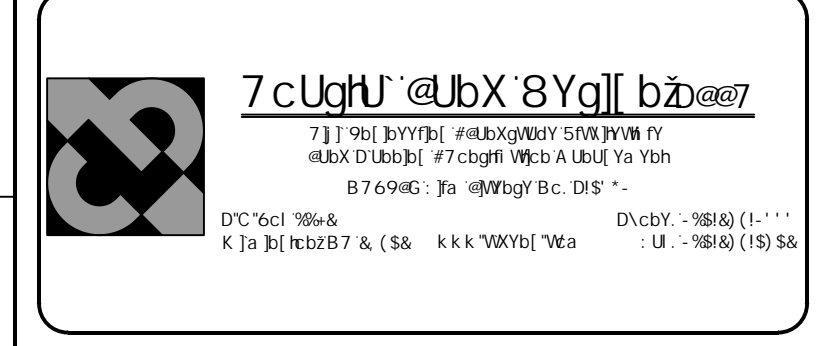
- MAINTENANCE REPAVING
- NEW PARKING SURFACE
- NEW BUILDING EXPANSION
- EXISTING SIDEWALKS
- PROPOSED SIDEWALKS
- EXISTING FENCE
- PROPERTY LINE
- BUFFER BOUNDARY
- LIMIT OF DISTURBANCE

REV. #	DESCRIPTION	REV. BY	DATE

OWNER:
 THE NIR FAMILY YMCA
 2710 MARKET STREET
 WILMINGTON, NC 28402

ISSUED FOR AGENCY REVIEW ONLY

NOT RELEASED FOR CONSTRUCTION



DRAWN: R LEWIS	PROJECT: 130-00
DESIGN: J CARMINE	NUMBER: 130-00
CHECK: F BRAXTON	SCALE: 1"=50'
APPROVED: J PETROFF	DATE: 3 MARCH 2017
FILE NAME:	

THE NIR FAMILY YMCA

PROPOSED SITE PLAN

UTILITY DEMAND
 WATER: 32,410 GPD
 SEWER: 32,410 GPD

EXISTING IMPERVIOUS AREA
 BUILDINGS: 51,115 SF
 ASPH PARKING: 104,540 SF
 SIDEWALK: 4,525 SF
 CONCRETE: 4,010 SF
 TOTAL BUA: 164,190 SF
 % BUA: 33.21%

DEMOLISHED IMPERVIOUS AREA
 BUILDINGS: 2,360 SF
 ASPH PARKING: 14,465 SF
 SIDEWALK: 295 SF
 CONCRETE: 580 SF
 TOTAL: 17,700 SF

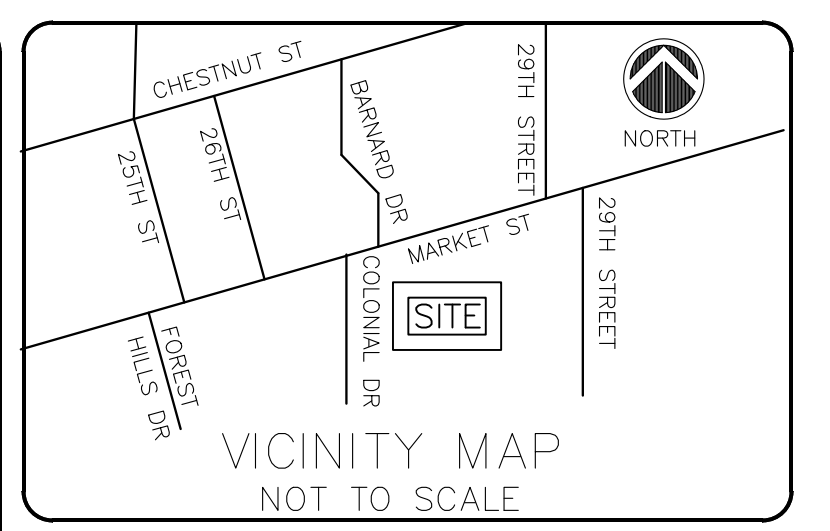
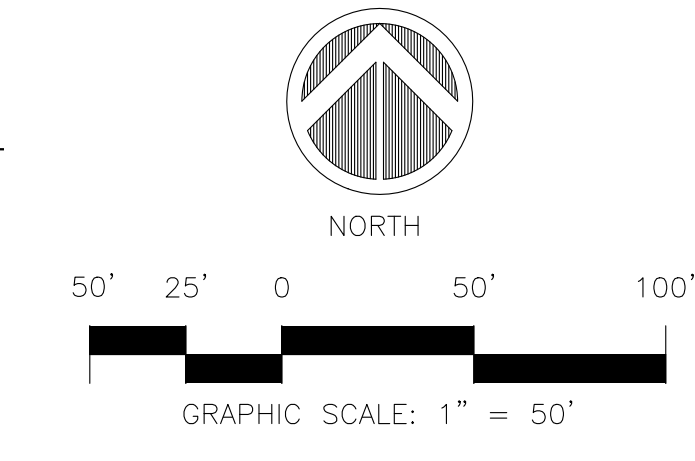
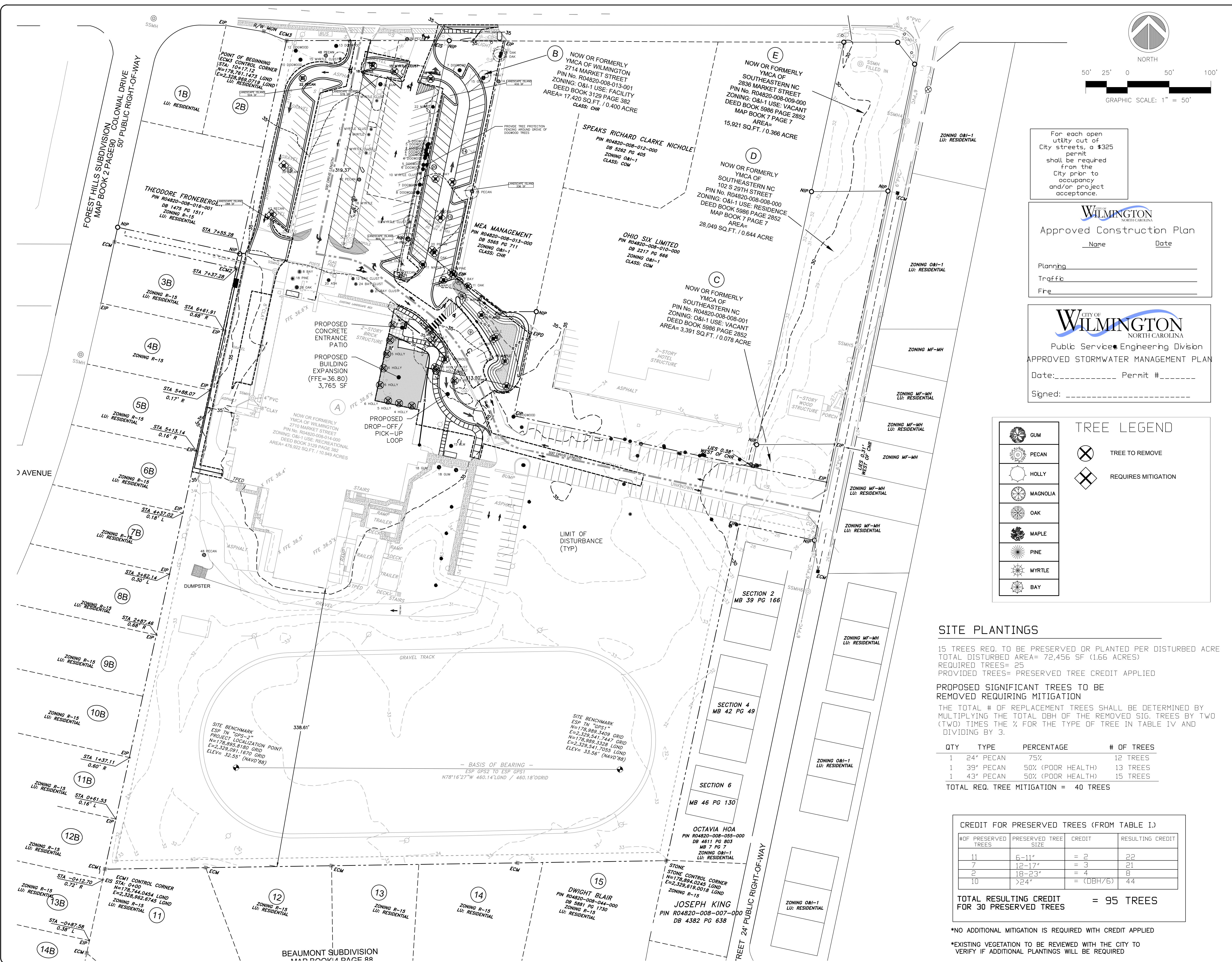
NEW IMPERVIOUS AREA
 BUILDING: 3,765 SF
 ASPH PARKING: 8,022 SF
 PERV PARKING: 1,838 SF
 (25% OF 7,350 SF)
 SIDEWALK: 1,310 SF
 CONCRETE: 1,621 SF
 TOTAL: 16,556 SF

FINAL IMPERVIOUS AREA
 BUILDINGS: 54,880 SF
 ASPH PARKING: 104,050 SF
 PERV PARKING: 1,838 SF
 (25% OF 7,350 SF)
 SIDEWALK: 5,485 SF
 CONCRETE: 5,235 SF
 TOTAL: 171,488 SF
 % BUA: 34.69%

IMPERVIOUS INCREASE: 7,298 SF

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

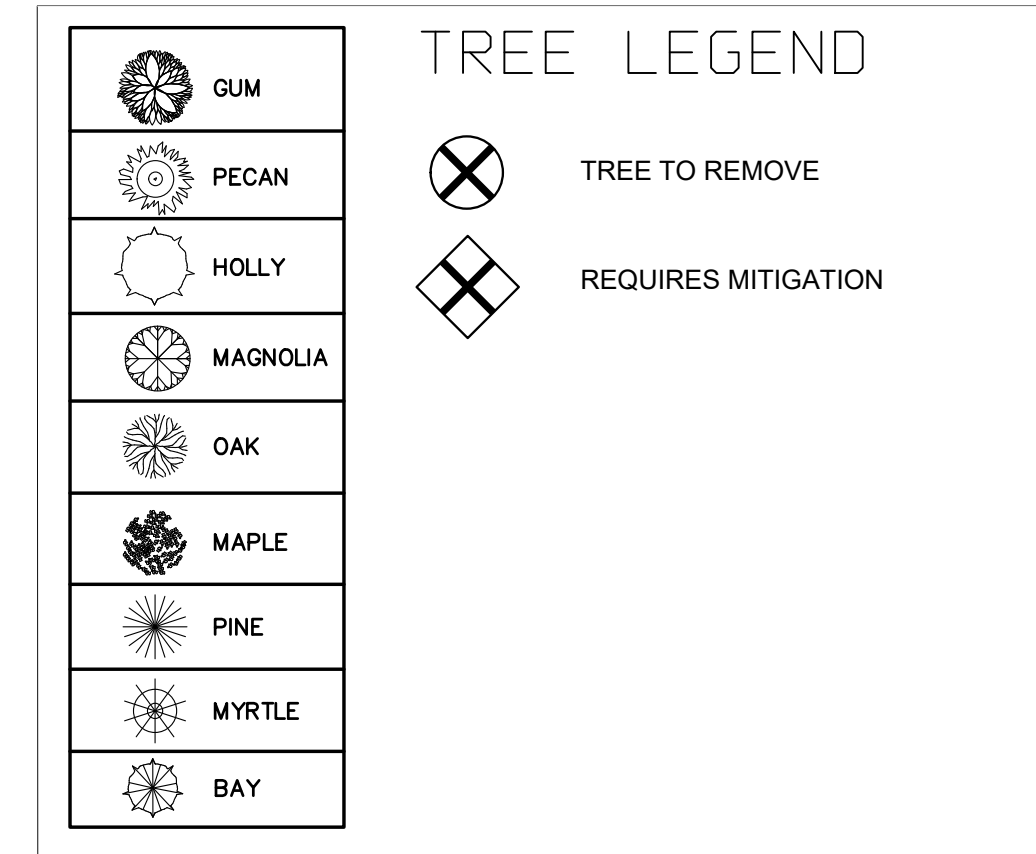
WILMINGTON
 NORTH CAROLINA
 Public Services Engineering Division
 APPROVED STORMWATER MANAGEMENT PLAN
 Date: _____ Permit # _____
 Signed: _____
 Approved Construction Plan
 Name _____ Date _____
 Planning _____
 Traffic _____
 Fire _____



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

City of Wilmington
 Approved Construction Plan
 Name _____ Date _____
 Planning _____
 Traffic _____
 Fire _____

City of Wilmington
 Public Service Engineering Division
 APPROVED STORMWATER MANAGEMENT PLAN
 Date: _____ Permit # _____
 Signed: _____



SITE PLANTINGS

15 TREES REQ. TO BE PRESERVED OR PLANTED PER DISTURBED ACRE
 TOTAL DISTURBED AREA= 72,456 SF (1.66 ACRES)
 REQUIRED TREES= 25
 PROVIDED TREES= PRESERVED TREE CREDIT APPLIED

PROPOSED SIGNIFICANT TREES TO BE REMOVED REQUIRING MITIGATION

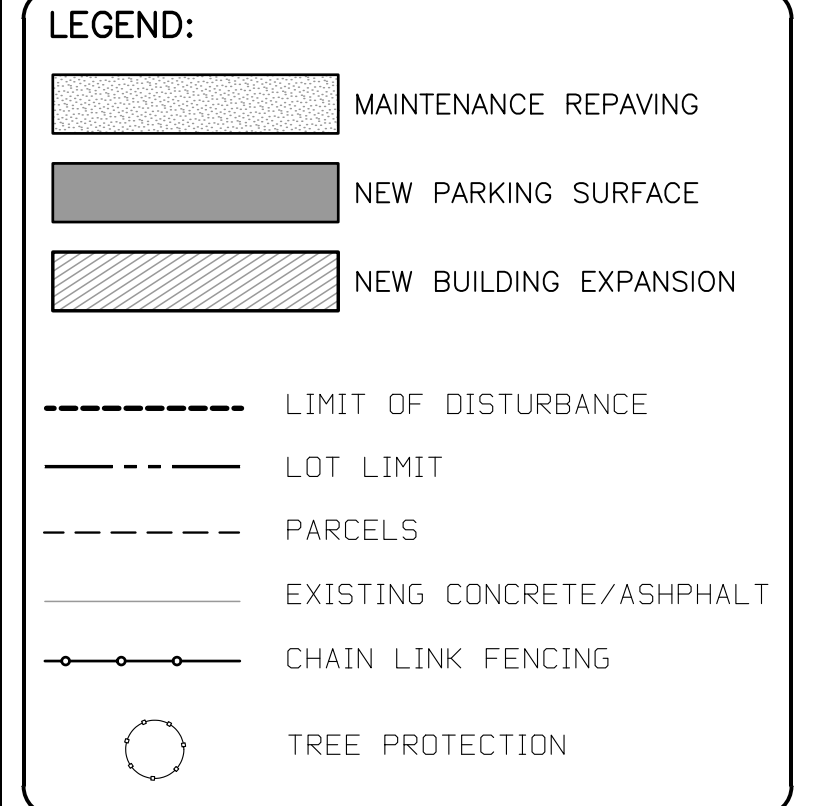
THE TOTAL # OF REPLACEMENT TREES SHALL BE DETERMINED BY MULTIPLYING THE TOTAL DBH OF THE REMOVED SIG. TREES BY TWO (TWO) TIMES THE % FOR THE TYPE OF TREE IN TABLE IV AND DIVIDING BY 3.

QTY	TYPE	PERCENTAGE	# OF TREES
1	24" PECAN	75%	12 TREES
1	39" PECAN	50% (POOR HEALTH)	13 TREES
1	43" PECAN	50% (POOR HEALTH)	15 TREES
TOTAL REQ. TREE MITIGATION =			40 TREES

CREDIT FOR PRESERVED TREES (FROM TABLE I.)

# OF PRESERVED TREES	PRESERVED TREE SIZE	CREDIT	RESULTING CREDIT
11	6-11"	= 2	22
7	12-17"	= 3	21
2	18-23"	= 4	8
10	>24"	= (DBH/6)	44
TOTAL RESULTING CREDIT FOR 30 PRESERVED TREES			= 95 TREES

*NO ADDITIONAL MITIGATION IS REQUIRED WITH CREDIT APPLIED
 *EXISTING VEGETATION TO BE REVIEWED WITH THE CITY TO VERIFY IF ADDITIONAL PLANTINGS WILL BE REQUIRED



REV. #	DESCRIPTION	REV. BY	DATE
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 2710 MARKET STREET
 WILMINGTON, NC 28402

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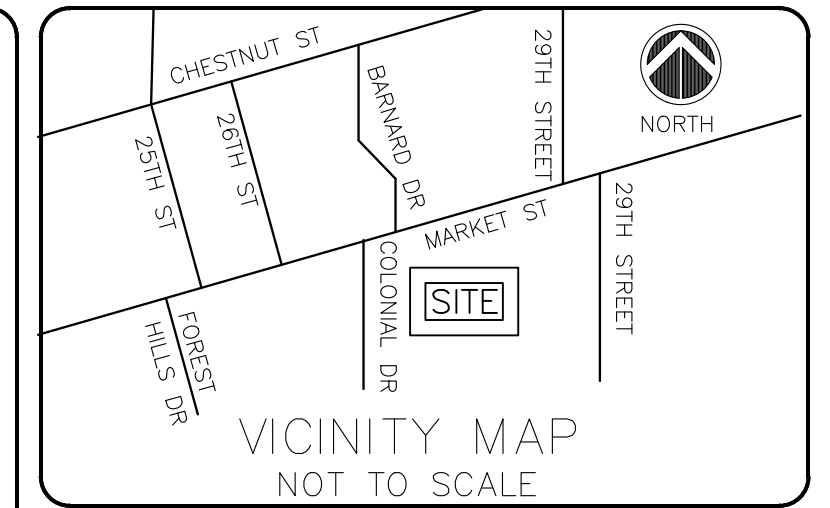
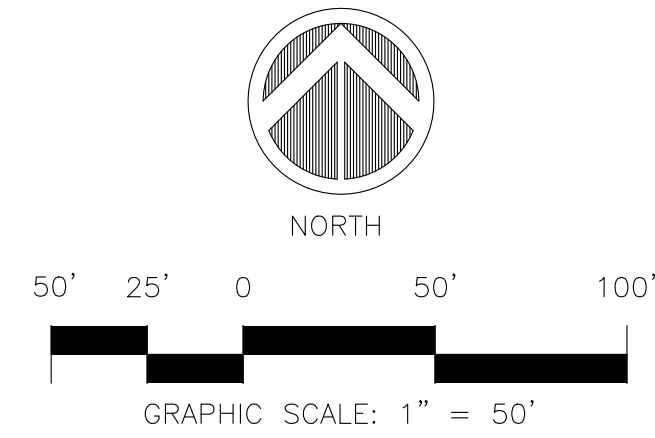
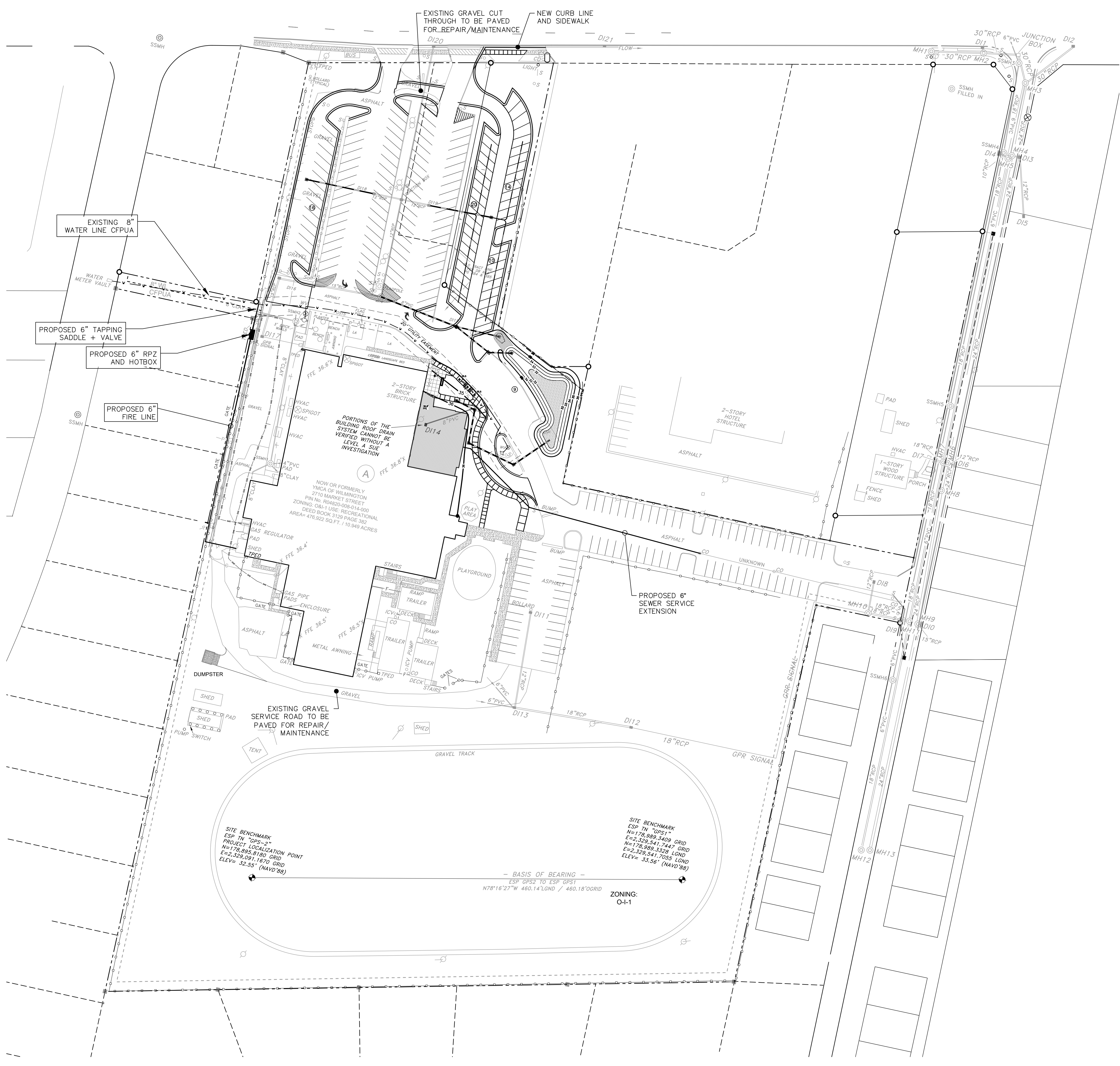
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 K:\a [c] hcbzB7 & (5& kkk W0Y0j Vea : U. -19810 (15) 58

DRAWN: R LEWIS PROJECT NUMBER: 130-00
 DESIGN: J CARMINE NUMBER: 130-00
 CHECK: F BRAXTON SCALE: 1"=50'
 APPROVED: J PETROFF DATE: 3 MARCH 2017
 FILE NAME:

THE NIR FAMILY YMCA

TREE REMOVAL PLAN

JOB NUMBER: 130-00 SHEET NUMBER: SP-3



LEGEND:

	MAINTENANCE REPAVING
	NEW PARKING SURFACE
	NEW BUILDING EXPANSION

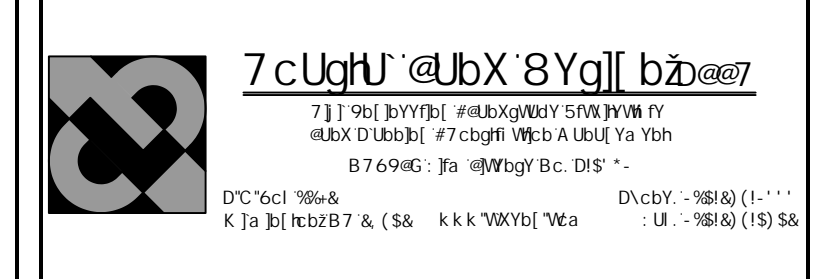
<p>SSMH1 TOP= 35.73 IN= 33.24 (4" PVC) IN= 31.96 (8" CLAY) IN= 31.97 (8" CLAY) IN= 31.72 (4" CLAY) OUT= 31.49 (8" CLAY)</p> <p>SSMH2 TOP= 35.55 IN= 30.17 (8" CLAY) OUT= 30.02 (8" CLAY)</p> <p>SSMH3 TOP= 27.39 IN= 24.24 (6" PVC) OUT= 24.15 (6" PVC)</p> <p>SSMH4 TOP= 27.01 IN= 23.96 (6" PVC) OUT= 23.92 (6" PVC)</p> <p>SSMH5 TOP= 27.03 IN= 22.96 (6" PVC) OUT= 22.89 (6" PVC)</p> <p>SSMH6 TOP= 25.82 IN= 21.79 (6" PVC) OUT= 21.90 (6" PVC)</p>

REV. #	DESCRIPTION	REV. BY	DATE
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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.

Approved Construction Plan

Name _____ Date _____

Planning _____

Traffic _____

Fire _____

WILMINGTON
 NORTH CAROLINA

Public Services Engineering Division
 APPROVED STORMWATER MANAGEMENT PLAN

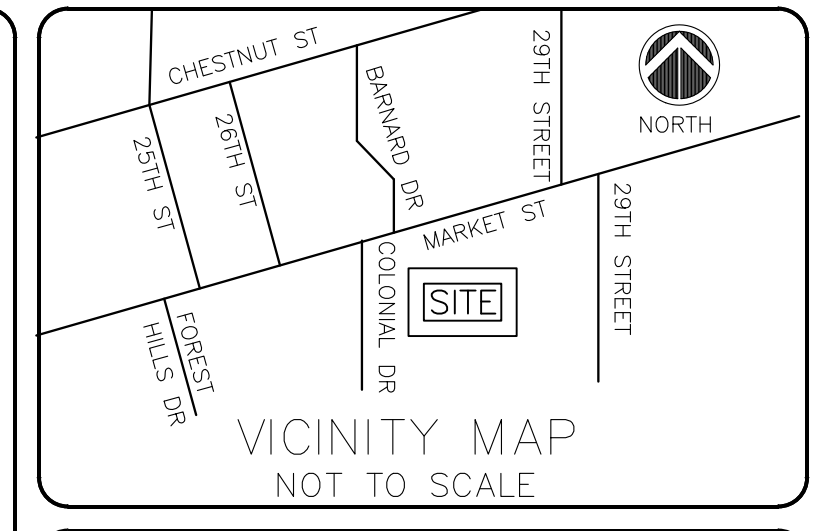
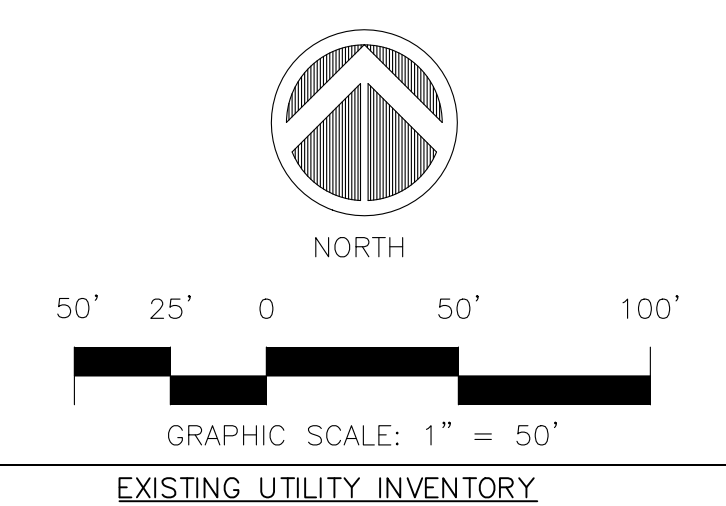
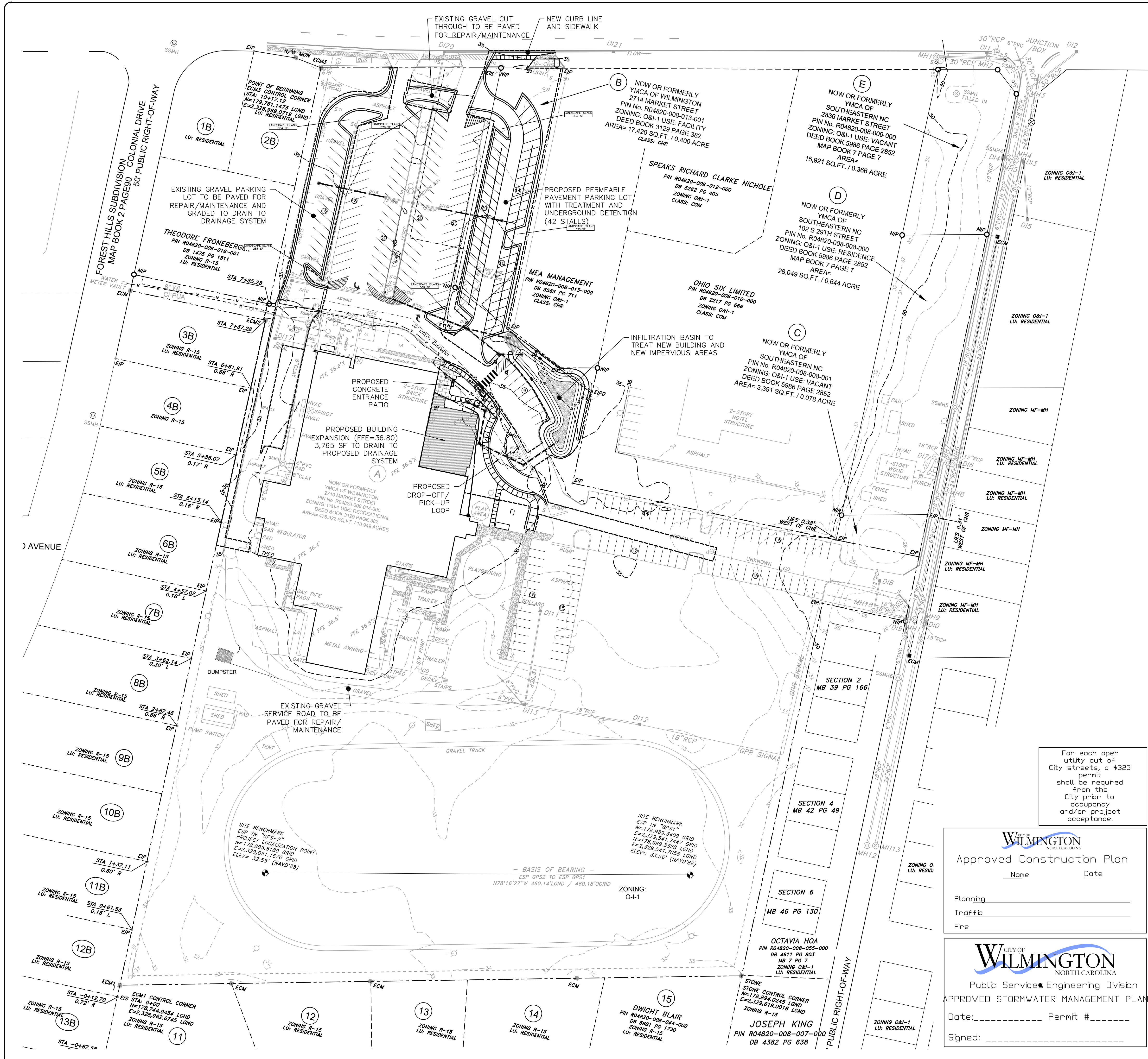
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DESIGN : J CARMINE	SCALE : 1"=50'
CHECK : F BRAXTON	DATE : 3 MARCH 2017
APPROVED : J PETROFF	FILE NAME :

THE NIR FAMILY YMCA

UTILITIES PLAN



LEGEND:

- Maintenance Repaving
- New Parking Surface
- New Building Expansion

NEW IMPERVIOUS AREA BUILDING:

ASPH PAVING:	3,765 SF
PERV PAVING:	8,022 SF
(25% OF 7,350 SF)	1,838 SF
SIDEWALK:	1,310 SF
CONCRETE:	1,621 SF
TOTAL:	16,556 SF

FINAL IMPERVIOUS AREA BUILDINGS:

ASPH PAVING:	54,880 SF
PERV PAVING:	104,050 SF
(25% OF 7,350 SF)	1,838 SF
SIDEWALK:	5,485 SF
CONCRETE:	5,235 SF
TOTAL:	171,488 SF
% BUA:	34.69%

REV. #	DESCRIPTION	REV. BY	DATE
REVISIONS			

OWNER:
THE NIR FAMILY YMCA
 2710 MARKET STREET
 WILMINGTON, NC 28402

ISSUED FOR AGENCY REVIEW ONLY

NOT RELEASED FOR CONSTRUCTION



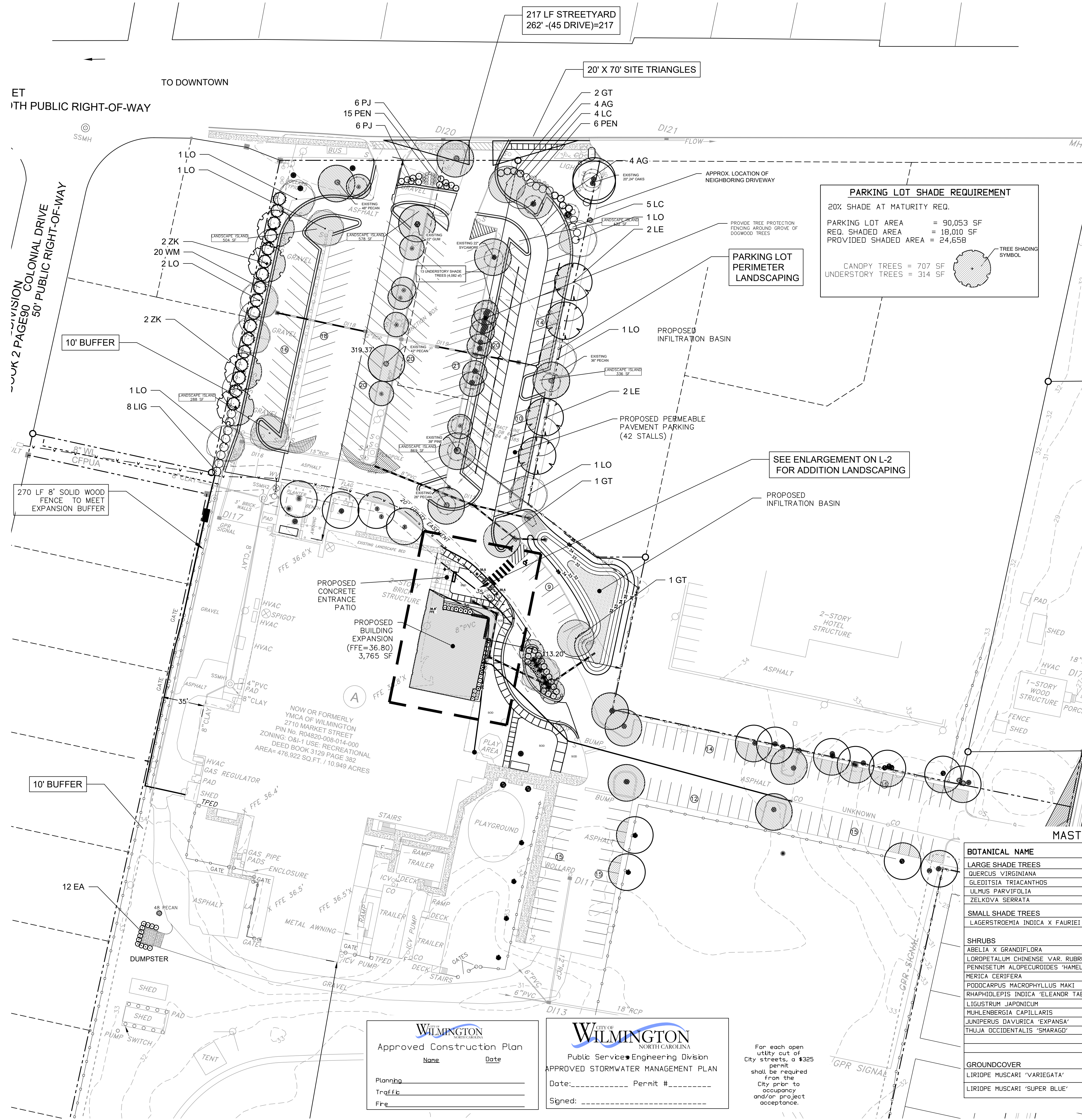
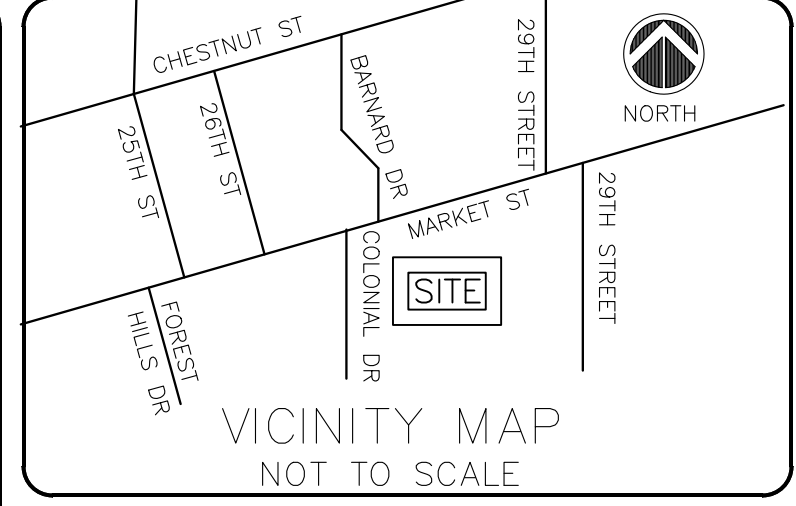
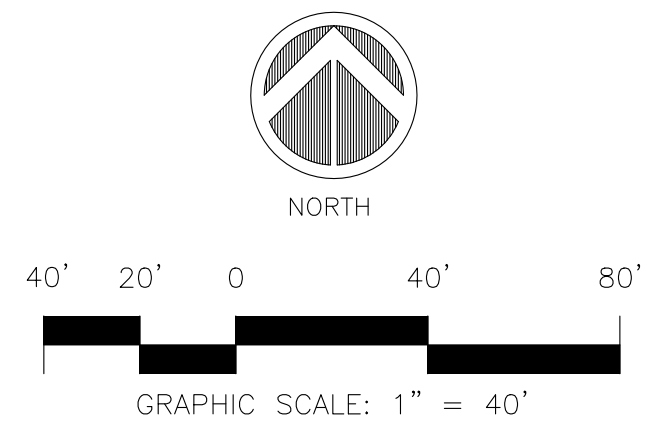
DRAWN : R LEWIS	PROJECT : 130-00
DESIGN : J CARMINE	NUMBER : 130-00
CHECK : F BRAXTON	SCALE : 1"=50'
APPROVED : J PETROFF	DATE : 3 MARCH 2017
FILE NAME :	

THE NIR FAMILY YMCA

PROPOSED GRADING AND STORMWATER PLAN

EXISTING UTILITY INVENTORY

ID	TYPE	INVERT	OUTLET
D11	TOP= 27.95	OUT= 25.01 (12" RCP)	
D12	TOP= 27.42	OUT= 23.53 (30" RCP)	
D13	TOP= 26.92	IN= 24.70 (6" PVC)	
D14	TOP= 27.36	OUT= 25.69 (10" RCP)	
D15	TOP= 27.71	OUT= 24.89 (12" RCP)	
D16	TOP= 27.19	OUT= 22.84 (12" RCP)	
D17	TOP= 27.15	OUT= 24.06 (15" RCP)	
D18	TOP= 25.97	OUT= 23.97 (12" RCP)	
D19	TOP= 26.48	OUT= 23.22 (18" RCP)	
D110	TOP= 26.43	OUT= 23.56 (15" RCP)	
D111	TOP= 33.47	IN= 31.50 (6" MP)	
D112	TOP= 32.73	IN= 28.22 (18" RCP)	
D113	TOP= 30.56	IN= 29.17 (6" PVC)	
D114	TOP= 35.19	IN= 33.49 (6" PVC)	
D115	TOP= 33.97	OUT= 32.18 (8" PVC)	
D116	TOP= 34.43	IN= 32.55 (15" RCP)	
D117 FULL OF DEBRIS	TOP= 34.16	OUT= (15" RCP)	
D118	TOP= 34.31	OUT= 32.42 (12" RCP)	
D119	TOP= 34.34	OUT= 32.39 (12" RCP)	
D120	TOP= 35.35	IN= 30.43 (15" RCP)	
D121	TOP= 33.61	IN= 28.57 (15" RCP)	
MH1	TOP= 28.92	OUT= 25.34 (30" RCP)	
MH2	TOP= 28.58	IN= 24.98 (12" RCP)	
MH3	TOP= 27.35	IN= 23.59 (30" RCP)	
MH4	TOP= 27.06	IN= 23.53 (24" RCP)	
MH5	TOP= 27.10	IN= 23.34 (18" RCP)	
MH6	TOP= 26.93	IN= 22.71 (24" RCP)	
MH7	TOP= 26.96	IN= 22.67 (18" RCP)	
MH8	TOP= 26.87	IN= 22.64 (24" RCP)	
MH9	TOP= 26.04	IN= 21.54 (24" RCP)	
MH10	TOP= 27.75	IN= 23.59 (12" RCP)	
MH11	TOP= 26.26	IN= 21.57 (18" RCP)	
MH12	TOP= 25.02	IN= 21.79 (18" RCP)	
MH13	TOP= 24.81	IN= 19.48 (24" RCP)	
MH14	TOP= 34.61	IN= 31.87 (15" RCP)	
MH15	TOP= 31.77	OUT= 31.69 (12" RCP)	



STREET YARD CALCULATIONS
 STREET YARD (S.Y.) = 262 LF - 45 LF (DRIVEWAYS) = 217 LF
 *LANDSCAPING FOR EXPANSIONS TO EXISTING PRICIPLE STRUCTURES REQUIRE 1/2 OF THAT REQUIRED FOR NEW CONSTRUCTION
 REQUIRED S.Y. AREA = 1,953 (217 LF x 18 (MULTIPLIER) x (.50))
 REQUIRED TREES @ 1/600 SF = 4 TREES
 PROPOSED TREES = 1 NEW TREE + (CREDIT 3 EX. CANOPY TREES)
 REQUIRED SHRUBS @ 6/600 SF = 20 SHRUBS
 PROPOSED SHRUBS = 27
 ALL PROPOSED VEGETATION WITHIN SITE TRIANGLES SHALL NOT INTERFERE WITH CLEAR VISUAL SIGHT LINES FROM 30' - 10' (SEC.18-566 COW)

PARKING INTERIOR AREA CALCULATIONS
 4% OF TOTAL PARKING AREA
 PARKING LOT AREA = 91,927 SF
 REQUIRED VEGETATED AREA = 3,677 SF
 PROPOSED VEGETATED AREA = 8,262 SF

PARKING AREA SCREENING
 PARKING WITHIN 50' OF A R.O.W. REQUIRES A LOW SCREEN MIN. 3' HIGH AND 5' WIDE
 * SCREENING INCLUDED IN STREETYARD PLANTING

PARKING PERIMETER LANDSCAPING
 10' YARD REQ. ALONG SEPERATE PARKING LOTS, DRIVES OR RESIDENTIALLY ZONED AREAS
 MIN. 1 TREE EVERY 18-27 LF

FOUNDATION PLANTING AREAS
 BUILDING HEIGHT = 24.5 FT
 REQUIREMENT: LT. X HT. X12%
ADDITION
 135'x24.5'x0.12 = 397 SF (REQUIRED)
 PROVIDED = 718 SF

BUFFER YARD
 BUFFER YARD REQ. TO SCREEN ANY RESIDENTIAL USE FROM NON-RESIDENTIAL USES OR DISTRICTS
 *BUFFER YARD REQ. FOR EXPANSIONS TO EXISTING PRICIPLE STRUCTURES IS FENCING OR 1/2 THE WIDTH OF REQ. BUFFER YARD FOR NEW CONSTRUCTION.
 REQUIRED: 20' X (50%)
 PROVIDED: 10' @ 525 LF
 REQUIRED:
 (1 TREE/30 LF AVG.) X 230 LF = 8 TREES
 8 NEW TREES
 100% OPAQUE SHRUB SCREEN
 MIN. 6' IN 3 YEARS
 28 SHRUBS

LEGEND:

- LIMIT OF DISTURBANCE
- LOT LIMIT
- PARCELS
- EXISTING CONCRETE/ASHPHALT
- CHAIN LINK FENCING

REV. #	DESCRIPTION	REV. BY	DATE
	REVISIONS		

OWNER:
 THE NIR FAMILY YMCA
 2710 MARKET STREET
 WILMINGTON, NC 28402

ISSUED FOR AGENCY REVIEW ONLY

NOT RELEASED FOR CONSTRUCTION

7cUqH'@UbX'8Ygll bzn@7
 711 961 1017071 #403030000 5700101011
 483X 0103301 0725091 0650 A144 1a 10n
 B76966: Jb @W09f Bc D15 ' -
 D1C'0cl 196& D1C'0cl 19810 (11111
 K Jb Jb hcbz B 7 & (5& k k k W0Y0j 10a : U : 19810 (15) 5&

DRAWN: N ALLEN **PROJECT:** 130-00
DESIGN: J CARMINE **NUMBER:** 130-00
CHECK: F BRAXTON **SCALE:** 1"=40'
APPROVED: J PETROFF **DATE:** 3 MARCH 2017
FILE NAME:

THE NIR FAMILY YMCA

LANDSCAPE PLAN

JOB NUMBER 130-00 **SHEET NUMBER** L-1

MASTER LANDSCAPE SCHEDULE (ENTIRE PROJECT)

BOTANICAL NAME	COMMON NAME	CAL.	HT.	REMARKS	QUAN.	SYMBOL
LARGE SHADE TREES						
QUERCUS VIRGINIANA	LIVE OAK	2.5"			10	LO
GLEDITSIA TRIACANTHOS	HONEY LOCUST	2.5"			4	GT
ULMUS PARVIFOLIA	LACEBARK ELM	2.5"			4	LE
ZELKOYA SERRATA	JAPANESE ZELKOVA	2.5"			4	ZK
SMALL SHADE TREES						
LAGERSTROEMIA INDICA X FAURIEI 'NATCHEZ'	NATCHEZ' CRAPE MYRTLE			25 GAL.	2	CM
SHRUBS						
ABELIA X GRANDIFLORA	GLOSSY ABELIA			3 GAL.	8	AG
LOROPETALUM CHINENSE VAR. RUBRUM 'RUBY'	RUBY RED LORAPETALUM			3 GAL.	9	LC
PENNISETUM ALOPECUROIDES 'HAEMELN'	DWARF FOUNTAIN GRASS			1 GAL.	38	PEN
MERICIA CERIFERA	WAX MYRTLE			7 GAL.	20	WM
PODOPARPUS MACROPHYLLUS MAKI	SHRUBBY YEW PODOPARPUS			7 GAL.	6	PM
RHAPHIOLEPIS INDICA 'ELEANOR TABOR'	INDIAN HAWTHORN			3 GAL.	12	IH
LIGUSTRUM JAPONICUM	LIGUSTRUM			7 GAL.	8	LIG
MUHLEBERGIA CAPILLARIS	PINK MUHLY GRASS			7 GAL.	8	MG
JUNIPERUS DAURICA 'EXPANSA'	PARSONS JUNIPER			3 GAL.	27	PJ
THUJA OCCIDENTALIS 'SMARAGD'	EMERALD ARBORVITAE			7 GAL.	12	EA
GROUND COVER						
LIRIOPE MUSCARI 'VARIEGATA'	VARIGATED LIRIOPE			1 QT.	130	LIR-VAR
LIRIOPE MUSCARI 'SUPER BLUE'	SUPER BLUE LIRIOPE			1 QT.	20	LIR-SB

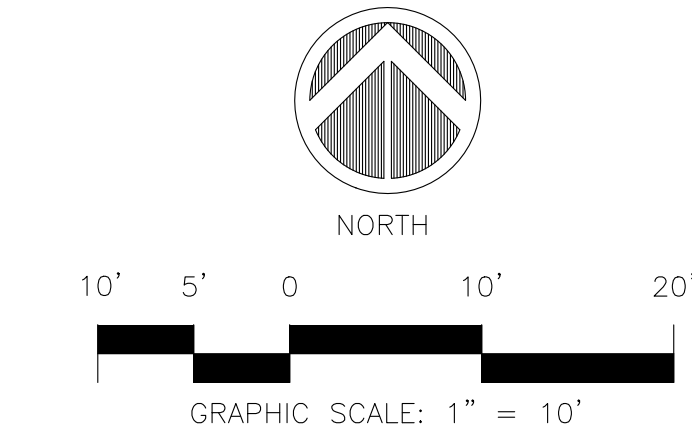
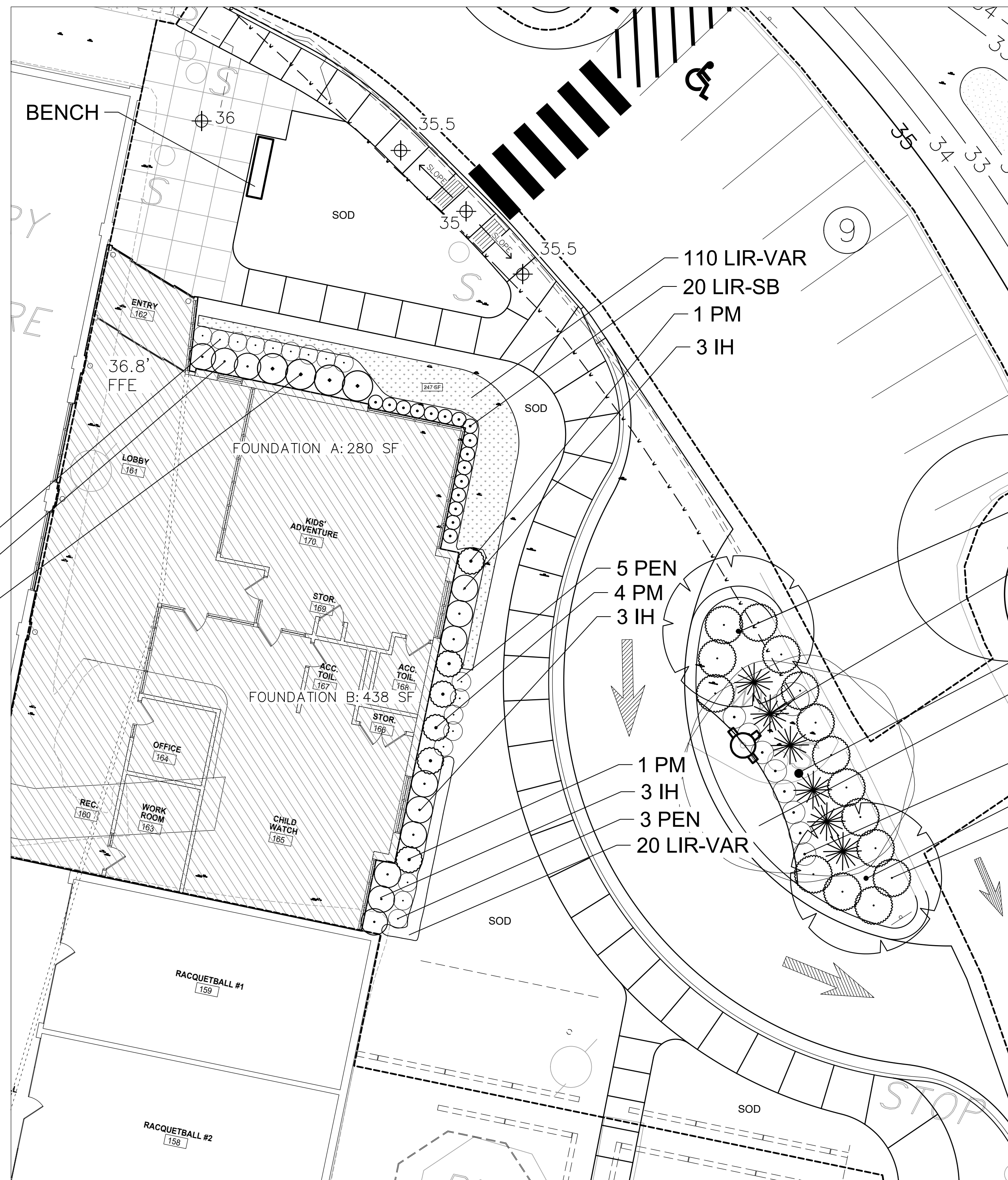
WILMINGTON
 Approved Construction Plan
 Name: _____ Date: _____
 Planning: _____
 Traffic: _____
 Fire: _____

WILMINGTON
 Public Service 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.

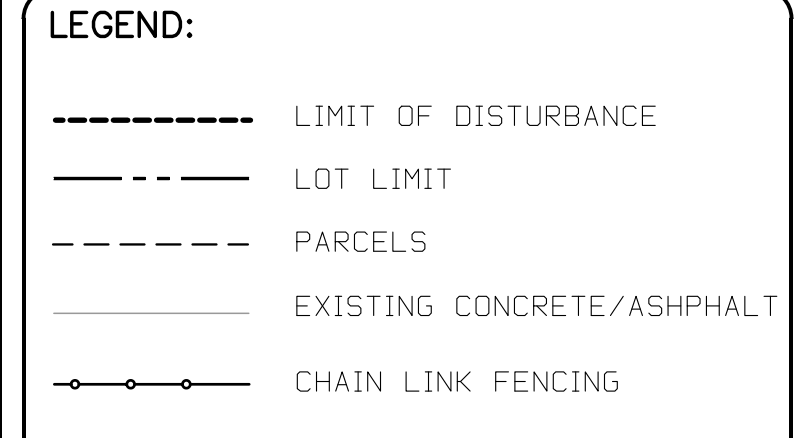
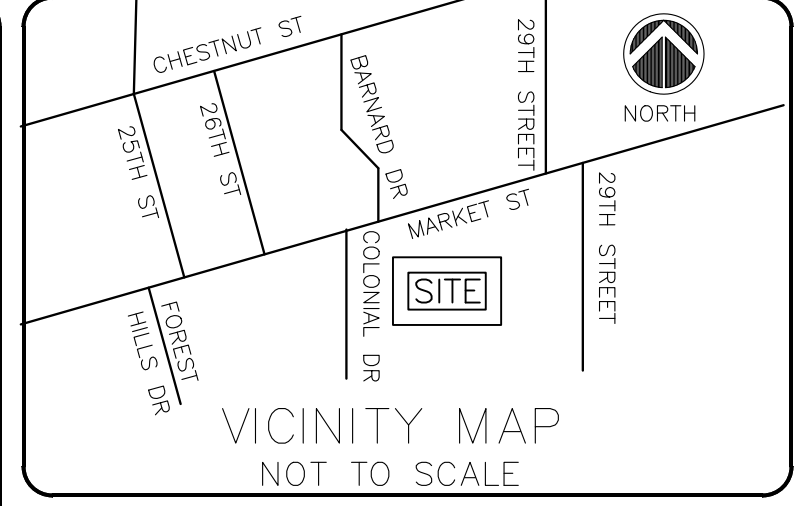
LANDSCAPE NOTES

- ALL LANDSCAPE MATERIAL MUST BE INSTALLED PRIOR TO FINAL BUILDING INSPECTION
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND/OR RELOCATION OF EXISTING UTILITIES IN COORDINATION WITH THE APPROPRIATE UTILITY AGENCY OR COMPANY.
- CONTRACTOR SHALL NOT SUBSTITUTE FOR ANY OF THE PLANT MATERIAL THAT IS SPECIFIED WITHOUT PRIOR APPROVAL OF THE LANDSCAPE ARCHITECT.
- VERIFICATION OF TOTAL QUANTITIES AS SHOWN IN THE PLANT LIST SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- MULCH UNDER ALL PROPOSED TREES AND SHRUBS WITH PINE NEEDLES AT A 3"-4" DEPTH OR APPROVED EQUAL.
- 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.
- HERE SHALL BE AT LEAST A 3 FT. SEPARATION BETWEEN LANDSCAPED AREAS AND PARKING AREAS TO ALLOW VEHICLE OVERHANG.
- ALL PLANTINGS USED TO SCREEN THE DRIVES AND PARKING AREAS FROM ADJOINING ROADWAYS WILL NEED TO BE A MINIMUM OF 24" HIGH AT TIME OF PLANTING.
- ALL OTHER AREAS NOT BEING MULCHED TO BE SEEDED PER SEEDING SCHEDULE INCLUDED AS PART OF THE S&E PLANS.
- 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:
 - 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.
 - 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.
 - PEST CONTROL (OPTIONAL)**
PEST 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.
 - 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 EQUAL WHICH WAS SUPPLIED DURING THE INSTALLATION OF THE PLANTS.
 - MOWING**
MOWING SHALL BE DONE AS NECESSARY TO KEEP GRASS AT THE APPROPRIATE HEIGHT TO INSURE A HEALTHY GROWTH PATTERN.
 - 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.
 - 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.
 - STAKE AT WIRE REMOVAL**
AT THE END OF THE FIRST YEAR ALL PLANT STAKING AND GUYING SYSTEMS SHALL BE REMOVED.
 - PROTECTED TREE REGULATION**
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.



GENERAL NOTES

- PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING SHALL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES. NO CONSTRUCTION WORKERS, TOOLS, MATERIALS, OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION FENCING.
- 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 WILL OCCUR IN THOSE AREAS.
- 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.
- ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.
- 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 NAME SIGNS.
- 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.
- CONTACT TRAFFIC ENGINEERING AT 910-341-7888 TO ENSURE THAT ALL TRAFFIC SIGNAL FACILITIES AND EQUIPMENT ARE SHOWN ON THE PLAN.
- CALL TRAFFIC ENGINEERING AT 910-341-7888 FORTY-EIGHT (48) HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT-OF-WAY. PAVEMENT MARKING PRIOR TO ACTUAL STRIPING.
- ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREAS SHALL BE WHITE.
- ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT-OF-WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER.
- STOP SIGNS AND STREET SIGNS TO REMAIN IN PLACE DURING CONSTRUCTION.
- TACTILE WARNING MATS WILL BE INSTALLED ON ALL WHEELCHAIR RAMPS.
- A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET.
- ANY BROKEN OR MISSING SIDEWALK PANELS WILL BE REPLACED.
- CONTACT ALINA DOROFEEVA AT 910-341-7888 TO DISCUSS STREET LIGHTING OPTIONS.
- WATER AND SEWER SERVICE SHALL MEET CAPE FEAR PUBLIC UTILITY AUTHORITY (CFPUA) DETAILS AND SPECIFICATIONS.
- PROJECT SHALL COMPLY WITH 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 910-343-3910 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.
- ANY IRRIGATION SYSTEM SUPPLIED BY CFPUA WATER SHALL COMPLY WITH THE CFPUA CROSS CONNECTION CONTROL REGULATIONS. CALL 910-343-3910 FOR INFORMATION.
- ANY IRRIGATION SYSTEM SHALL BE EQUIPPED WITH A RAIN AND FREEZER SENSOR.
- ANY BACKFLOW PREVENTION DEVICES REQUIRED BY THE CFPUA WILL NEED TO BE ON THE LIST OF APPROVED DEVICES BY USDFCC/HR OR ASSE.
- CONTRACTOR TO FIELD VERIFY EXISTING WATER AND SEWER SERVICE LOCATIONS, SIZES AND MATERIALS PRIOR TO CONSTRUCTION. ENGINEER TO BE NOTIFIED OF ANY CONFLICTS.
- CONTRACTOR SHALL MAINTAIN ALL-WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION.
- UNDERGROUND FIRE LINE(S) MUST BE PERMITTED AND INSPECTED BY THE WILMINGTON FIRE DEPARTMENT FROM THE PUBLIC RIGHT-OF-WAY TO THE BUILDING. CONTACT THE WILMINGTON FIRE DEPARTMENT DIVISION OF FIRE AND LIFE SAFETY AT 910-341-0696.
- NO OBSTRUCTIONS ARE PERMITTED IN THE SPACE BETWEEN THIRTY (30) INCHES AND TEN (10) FEET ABOVE THE GROUND WITHIN THE TRIANGULAR SIGHT DISTANCE.
- CONTACT THE NORTH CAROLINA ONE CALL CENTER AT 1-800-632-4949 PRIOR TO DOING ANY DIGGING, CLEARING, OR GRADING.



REV.#	DESCRIPTION	REV. BY DATE
	REVISIONS	

OWNER:
THE NIR FAMILY YMCA
2710 MARKET STREET
WILMINGTON, NC 28402

ISSUED FOR AGENCY REVIEW ONLY

NOT RELEASED FOR CONSTRUCTION

BOTANICAL NAME	COMMON NAME	CAL.	HT.	REMARKS	QUAN.	SYMBOL
LARGE SHADE TREES						
QUERCUS VIRGINIANA	LIVE OAK		2.5'		1	LO
SMALL SHADE TREES						
LAGERSTROEMIA INDICA X FAURIEI 'NATCHEZ'	NATCHEZ' GRAPE MYRTLE				25 GAL.	2 CM
SHRUBS						
MISCANTHUS SINENSIS 'ADIAGO'	ADIAGO MAIDEN GRASS				1 GAL.	6 CA
JUNIPERUS DAURICA 'EXPANSA'	PARSONS JUNIPER				3 GAL.	15 PJ
GROUND COVER						
LIRIOPE MUSCARI 'VARIEGATA'	VARIEGATED LIRIOPE				1 QT.	130 LIR-RP
EMERALD GREEN ZOYSIA	SOD-ZOYSIA GRASS					

**** PLANT NUMBERS ON THIS LIST ARE PART OF TOTAL PLANT NUMBERS FROM LIST ON L-1. DO NOT ADD THESE NUMBERS, THEY ARE FOR REFERENCE ONLY..**

7cUqU'@JbX'8Ygll bzn@7
711 951 317781 #84326009 576417417
483X 012345 47-25871 985-4124 14 104
876946: J4 48W987 E.C. 815' '-
DTC 6cl 196& DTC 6cl 19814 (1-11-11
K J4 J4 hcbz 87 & (58 k k k WY01 Ve4 : U : 19814) (19) 58

DRAWN: N ALLEN	PROJECT: 130-00
DESIGN: J CARMINE	NUMBER: 130-00
CHECK: F BRAXTON	SCALE: 1"=10'
APPROVED: J PETROFF	DATE: 3 MARCH 2017

THE NIR FAMILY YMCA

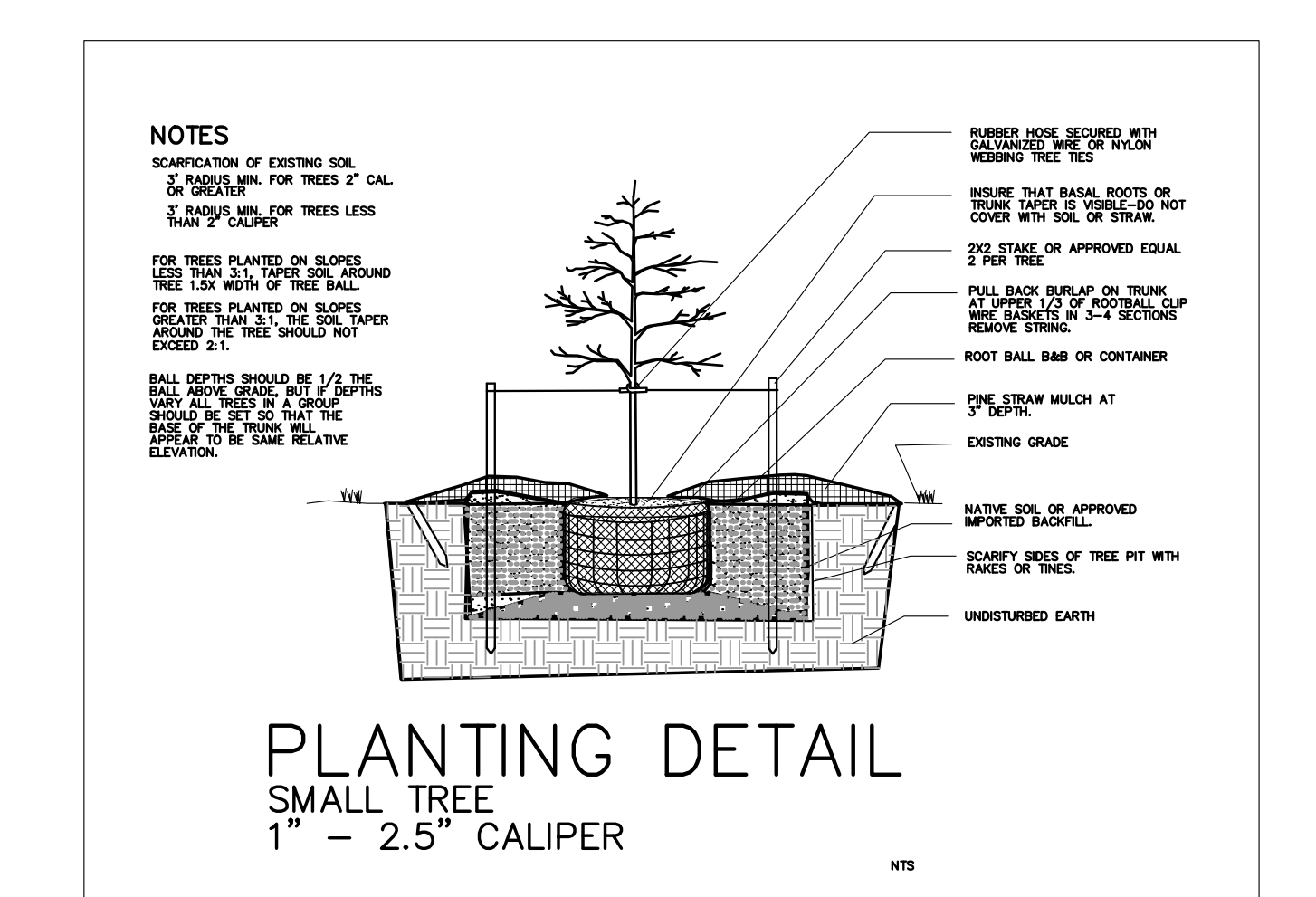
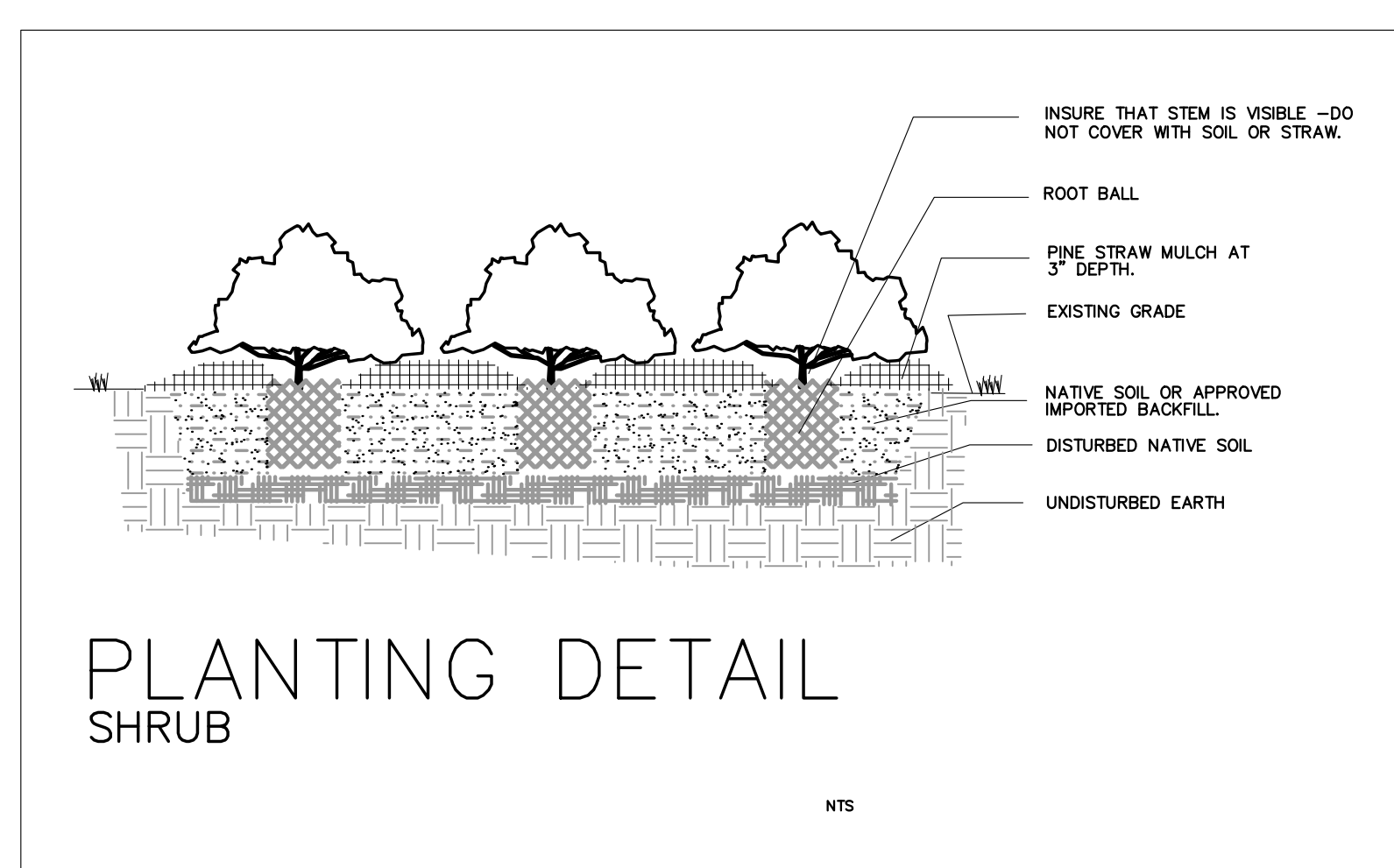
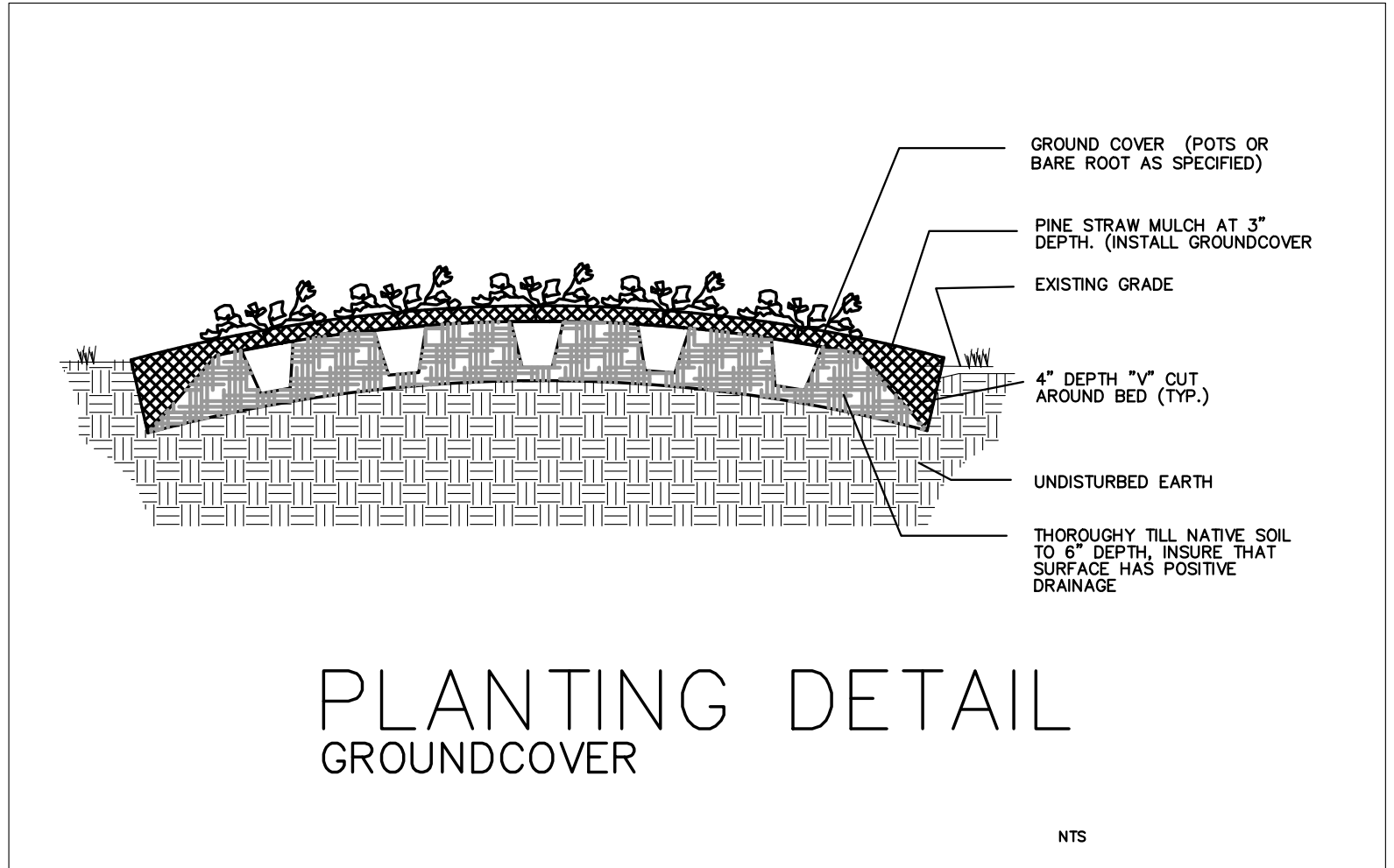
LANDSCAPE DETAILS

JOB NUMBER	SHEET NUMBER
130-00	L-2

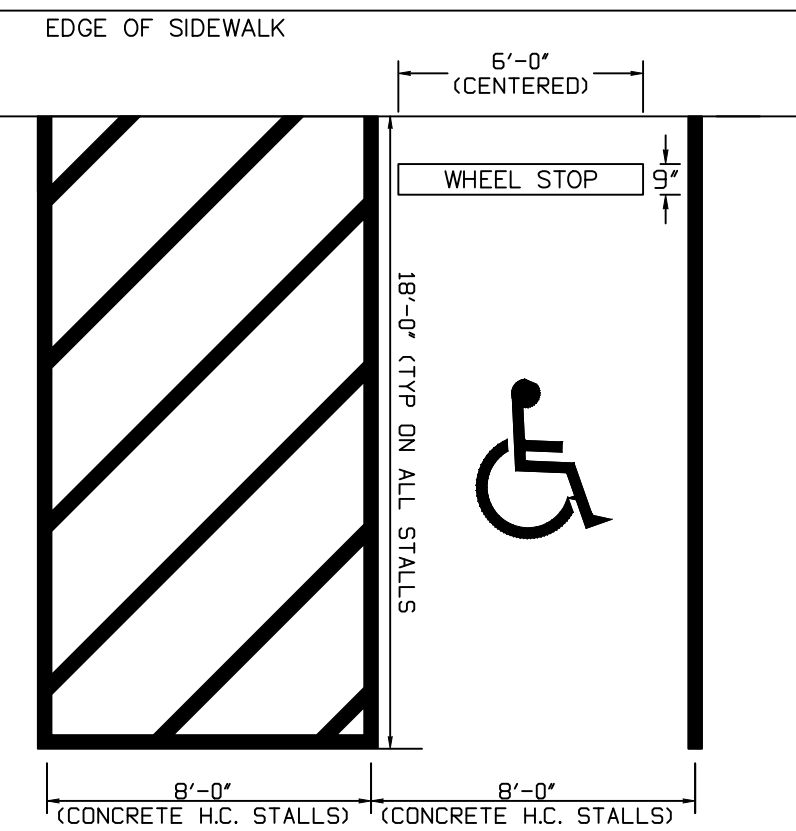
For each open utility cut of city streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

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

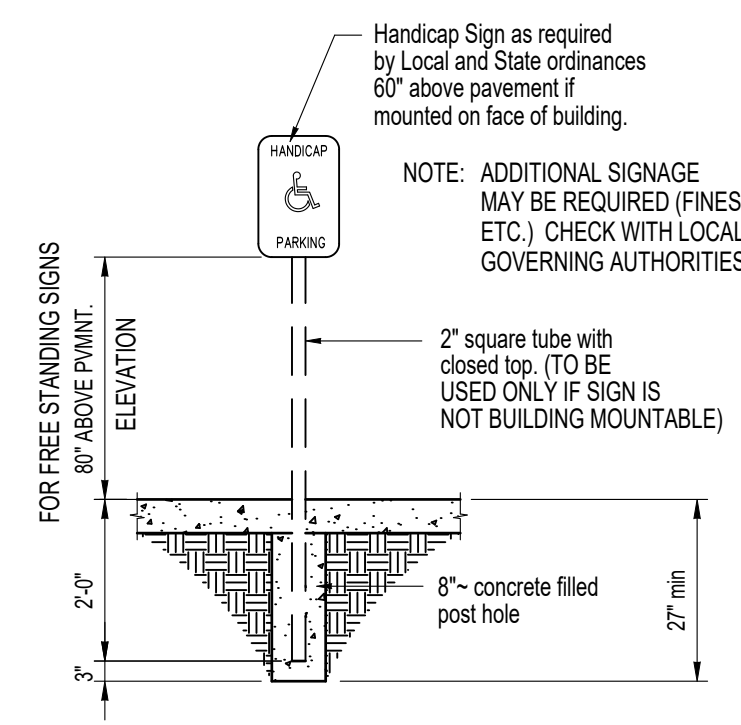
CITY OF WILMINGTON
NORTH CAROLINA
Approved Construction Plan
Name _____ Date _____
Planning _____
Traffic _____
Fire _____



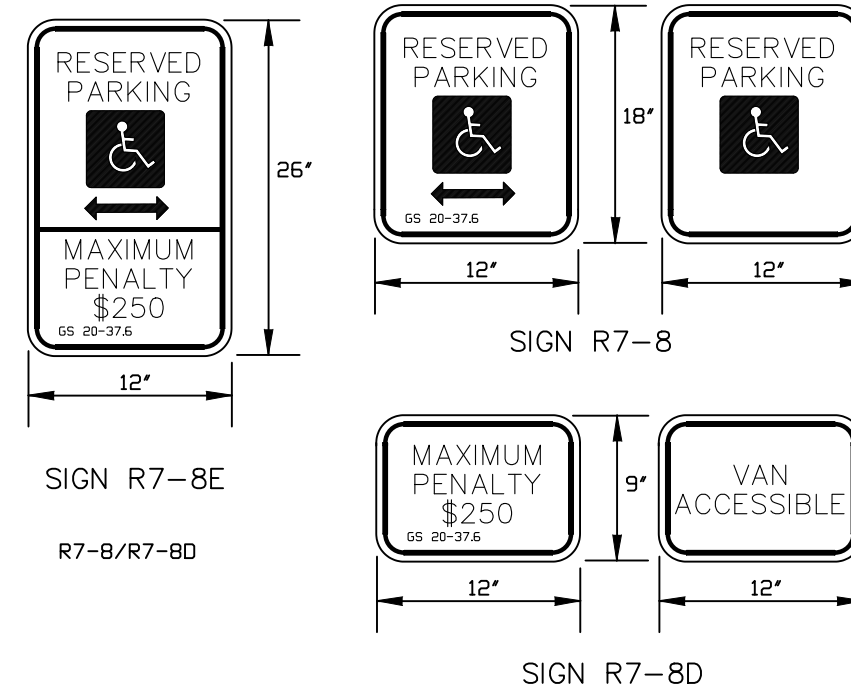
NOTE:
ALL SIGNAGE AND PAVEMENT MARKINGS MUST COMPLY WITH THE MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)
NOTE:
ALL STRIPING TO BE PER CITY OF WILMINGTON SPECIFICATION



VAN ACCESS AND PARKING STALL DETAIL
NOT TO SCALE



TYPICAL HANDICAP SIGN
NOT TO SCALE



HANDICAPPED SIGN DETAIL
NOT TO SCALE

D9FA 956@9 D5J 9A 9BH
57HJ H9G DF C < 6+H9B.
G5B8-B:
F 9IG95@B:
F 9IGI F: 57-B:
DCK 9F K 5G<-B:
GHCF 5: 9 C: A1 @ < CF GC @
GHCF 5: 9 C: GBCK D @9G
GHCF 5: 9 C: < 95J M@C 58G
5DD@75HC B C: G5@HCF 8'91-7 9FG

PERMEABLE PAVEMENT SIGNAGE
NOT TO SCALE

PERVIOUS PAVEMENT NOTES:

- Washed aggregate base materials shall be used.
- In HSG B, C and D, the surface of the soil subgrade under infiltrating permeable pavement should be scarified, ripped or trenched immediately prior to aggregate base placement to maintain the pre-construction subgrade infiltration rate.
- Runoff from adjoining pervious areas, such as grassed slopes and landscaping, shall be prevented by grading the landscape away from the permeable pavement.
- Permeable pavement shall not be installed until the upslope and adjoining areas are stabilized. After installations, barriers shall be installed to prevent construction traffic from driving on the pavement.
- The soil subgrade for the permeable pavement shall be graded when dry. The aggregate base and permeable surface course should be completed as quickly as possible to reduce risk of soil subgrade compaction.
- Permeable pavement may be placed on fill material as long as the material is at least as permeable as the in-situ soil after it is placed and prepared. Fill material comprised of HSG A or B shall not be placed on top of an in-situ HSG C or D to receive additional BUA credit.

PERVIOUS PAVEMENT MAINTENANCE:

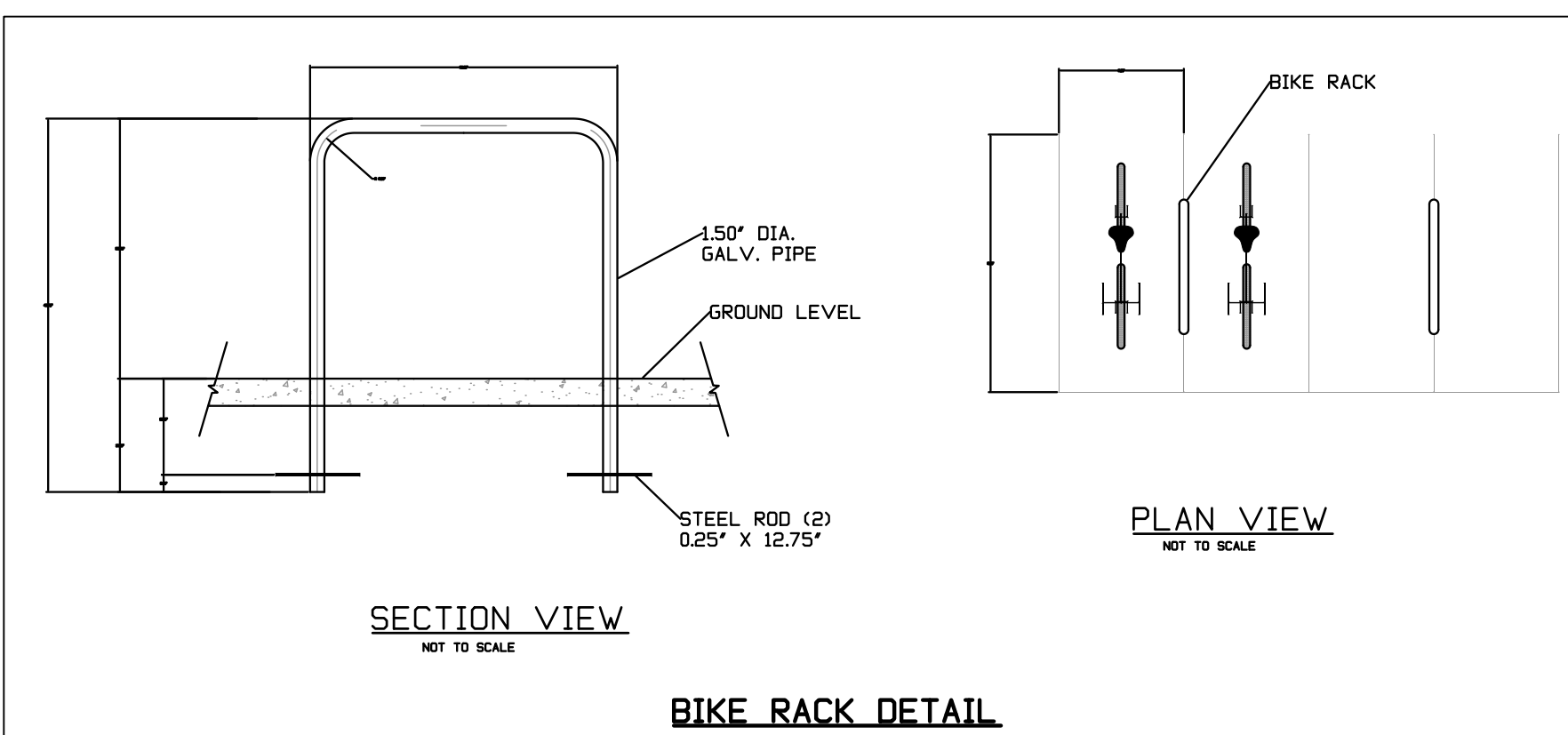
After permeable pavement is constructed, it shall be inspected once a quarter. The inspector shall check each BMP component and address any deficiencies in accordance with Table 18-4 below.

At all times, the pavement shall be kept free of:

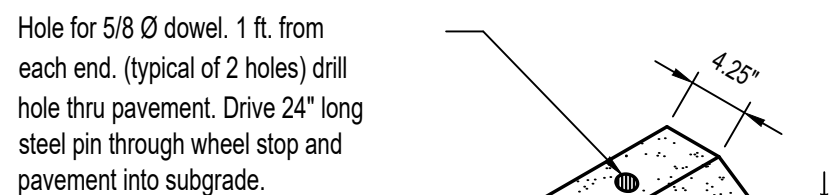
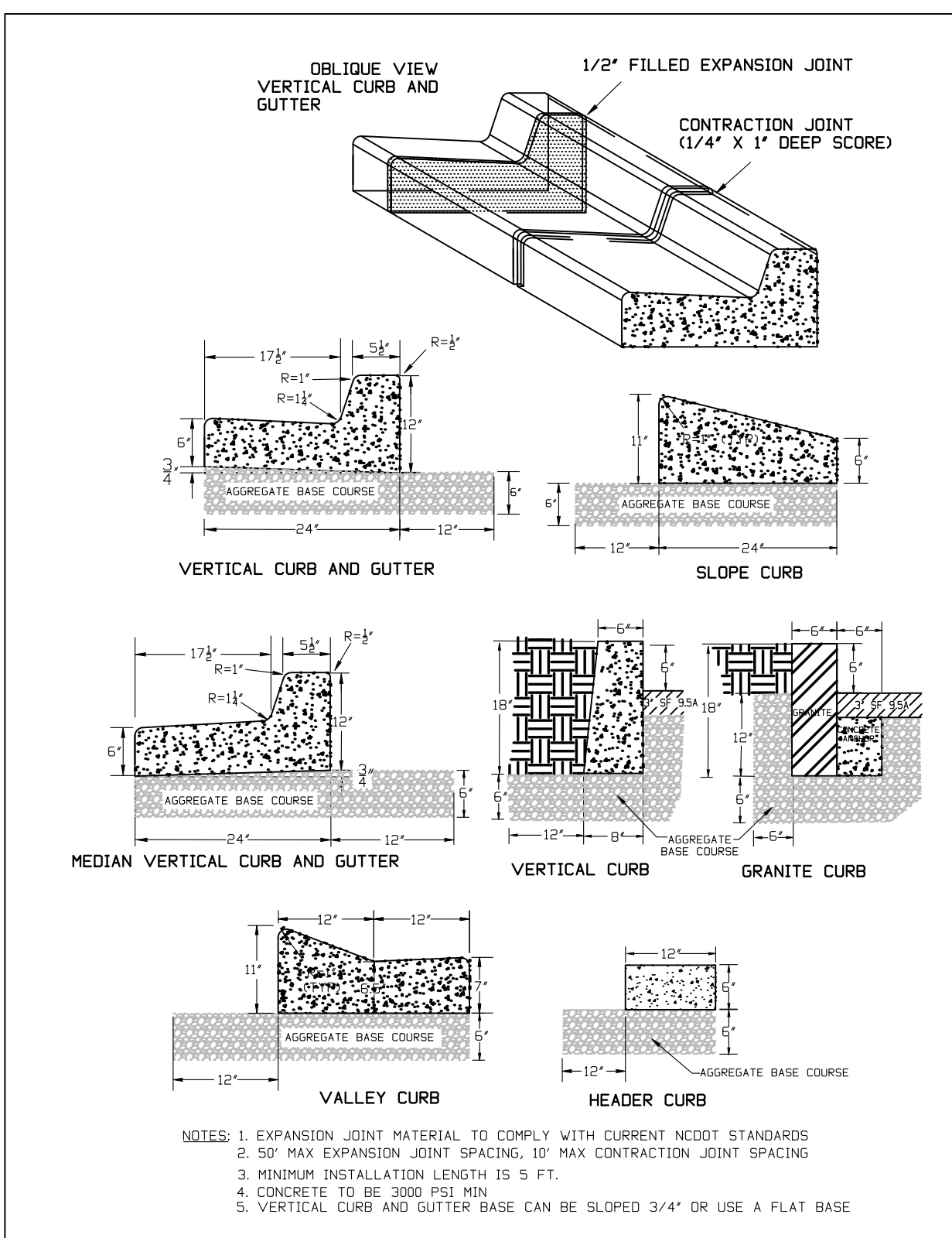
- Debris and particulate matter through frequent blowing that removes such debris, particularly during the fall and spring.
- Piles of soil, sand, mulch, building materials or other materials that could deposit particulates on the pavement.
- Piles of snow and ice.
- Chemicals of all kinds, including deicers.

Important inspection and maintenance procedures:

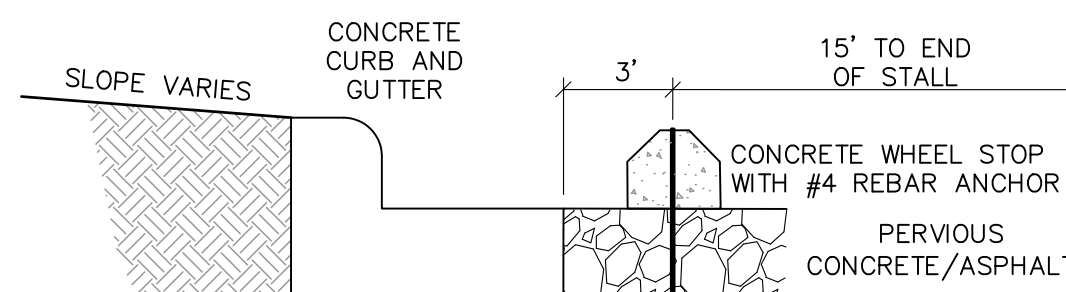
- Stable groundcover will be maintained in the drainage area to reduce the sediment load to the permeable pavement.
- The area around the perimeter of the permeable pavement will be stabilized and mowed, with clippings removed.
- Any weeds that grow in the permeable pavement will be sprayed with pesticide immediately. Weeds will not be pulled, since this could damage the fill media.
- Once a year, the permeable pavement surface will be vacuum swept.



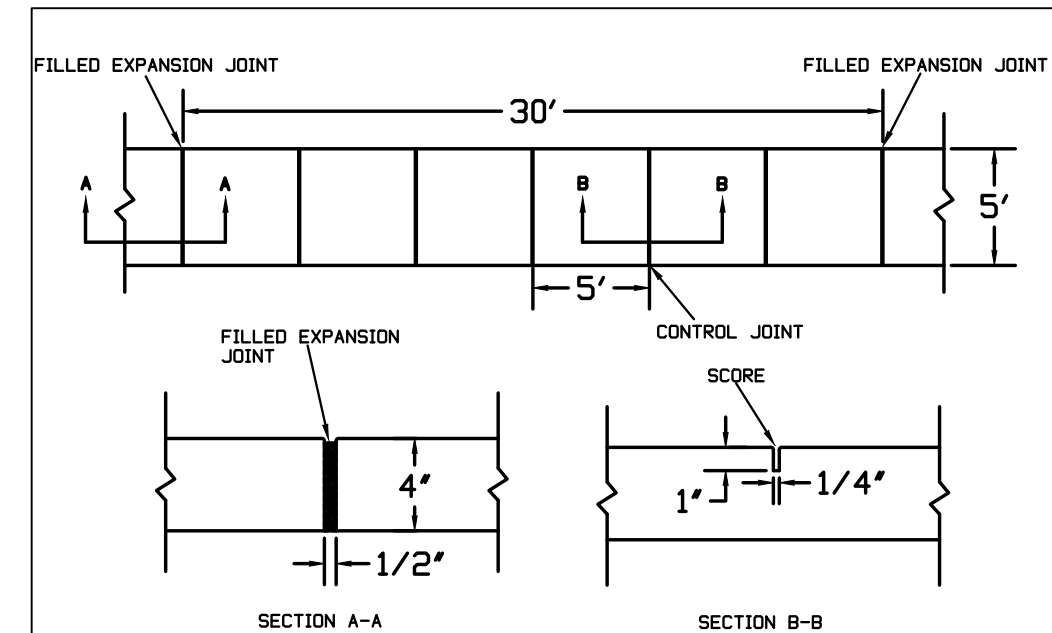
BIKE RACK DETAIL
NOT TO SCALE



WHEEL STOP DETAIL
NOT TO SCALE

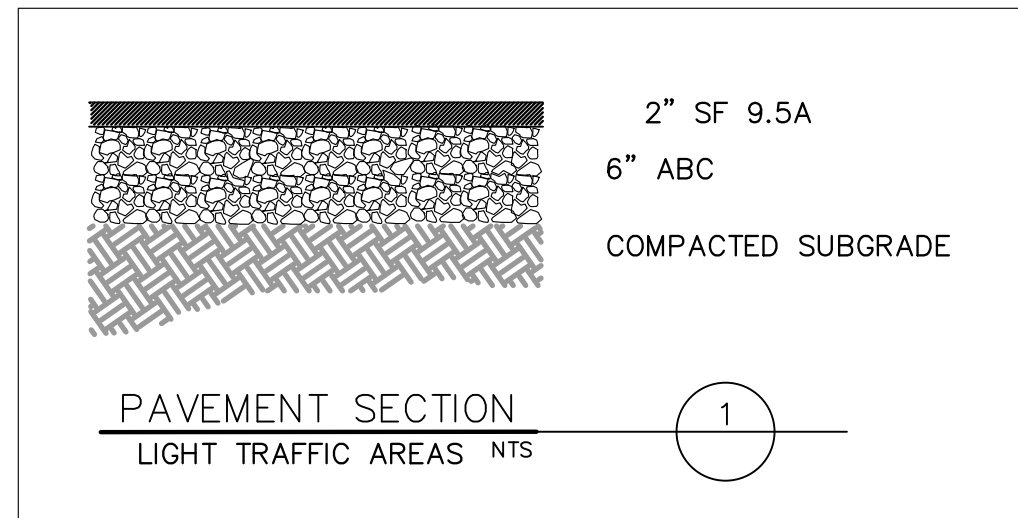


CONCRETE WHEEL STOP DETAIL
NOT TO SCALE



- 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 ARROW) SHALL BE CLASS "A" - 3,000 PSI.
 - MINIMUM REPLACEMENT FOR REPAIRS IS A 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% 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



PAVEMENT SECTION LIGHT TRAFFIC AREAS
FINAL PAVEMENT DESIGN MAY VARY WITH FIELD CONDITIONS.

- PAVEMENT MARKINGS AND SYMBOLS SHALL BE DESIGNED PER MUTCD WITH APPROVAL FROM CITY TRAFFIC ENGINEERING, AND INSTALLED IN ACCORDANCE WITH NCDOT DIVISION 12 SPECIFICATIONS.
- GENERALLY, PERMANENT MARKINGS WILL BE UNIFORM AND SMOOTH AND WILL CONSIST OF 120MIL OF THERMOPLASTIC FOR ALL LINES AND SYMBOLS; TEMPORARY MARKINGS SHALL CONSIST OF 15 MIL PAINT, EVERY 6 MONTHS.
- DURING APPLICATION THE EXISTING PAVEMENT SHALL NOT SHOW SIGNS OF MOISTURE AND BE CLEAN, FREE OF DIRT AND OIL, ETC. THERMOPLASTIC SHALL ONLY BE INSTALLED WHERE PAVEMENT IS 50° F. AND RISING. PAINT SHALL ONLY BE INSTALLED WHERE PAVEMENT IS 40° F. AND RISING.

CITY OF WILMINGTON PAVEMENT MARKING DETAIL SD 11-01
NOT TO SCALE

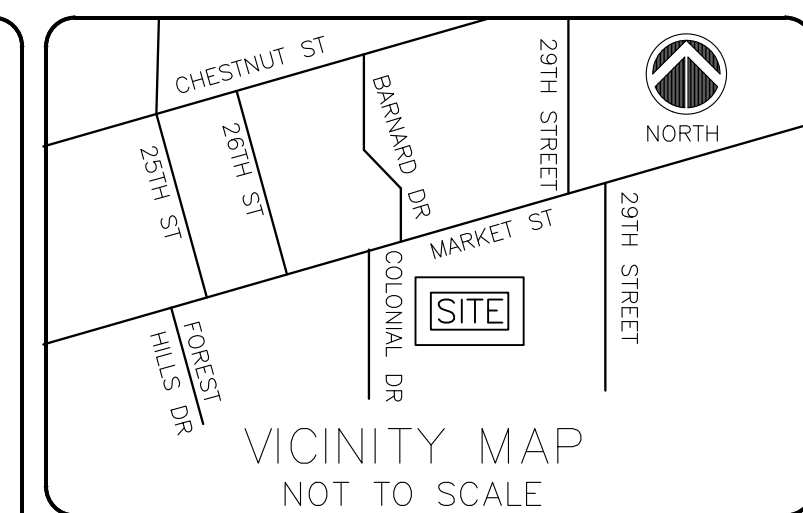
NOTES:

- ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.
- TRAFFIC CONTROL DEVICES (INCLUDING SIGNS AND PAVEMENT MARKINGS) IN AREAS OPEN TO PUBLIC TRAVEL ARE TO MEET MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS.
- CALL TRAFFIC ENGINEERING AT 910-341-7888 FORTY-EIGHT (48) HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT-OF-WAY.
- TRAFFIC ENGINEERING MUST APPROVE OF PAVEMENT MARKINGS PRIOR TO ACTUAL STRIPING.
- ALL PARKING STALL MARKINGS AND LANE ARROW WITHIN THE PARKING AREAS SHALL BE WHITE.
- ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT-OF-WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MUTCD STANDARDS.
- STOP SIGNS AND STREET SIGNS TO REMAIN IN PLACE DURING CONSTRUCTION.
- TACTILE WARNING MATS WILL BE INSTALLED ON ALL WHEELCHAIR RAMPS.
- A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET. REQUIRED CUTS SHALL BE NOTED ON THE PLAN AND THE CITY CONTACTED AT 910-341-5888 FOR DETAILS. IN CERTAIN CASES, AN ENTIRE RESURFACING OF THE AREA BEING OPEN CUT MAY BE REQUIRED.
- ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS AND CURBING WILL BE REPLACED.
- CONTACT TRAFFIC ENGINEERING AT 910-341-7888 TO DISCUSS STREET LIGHT OPTIONS.
- CONTRACTOR SHALL MAINTAIN ALL-WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION.
- NO OBSTRUCTIONS ARE PERMITTED IN THE SPACE BETWEEN THIRTY (30) INCHES AND TEN (10) FEET ABOVE THE GROUND WITHIN THE TRIANGULAR SIGHT DISTANCE.
- CONTACT THE NORTH CAROLINA ONE CALL CENTER AT 1-800-632-4949 PRIOR TO DOING ANY DIGGING, CLEARING, OR GRADING.

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 _____
Fre _____

CITY OF WILMINGTON
Public Service Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN
Date: _____ Permit # _____
Signed: _____



LEGEND:

REV. #	DESCRIPTION	REV. BY	DATE
REVISIONS			

OWNER:
THE NIR FAMILY YMCA
2710 MARKET STREET
WILMINGTON, NC 28402

ISSUED FOR AGENCY REVIEW ONLY

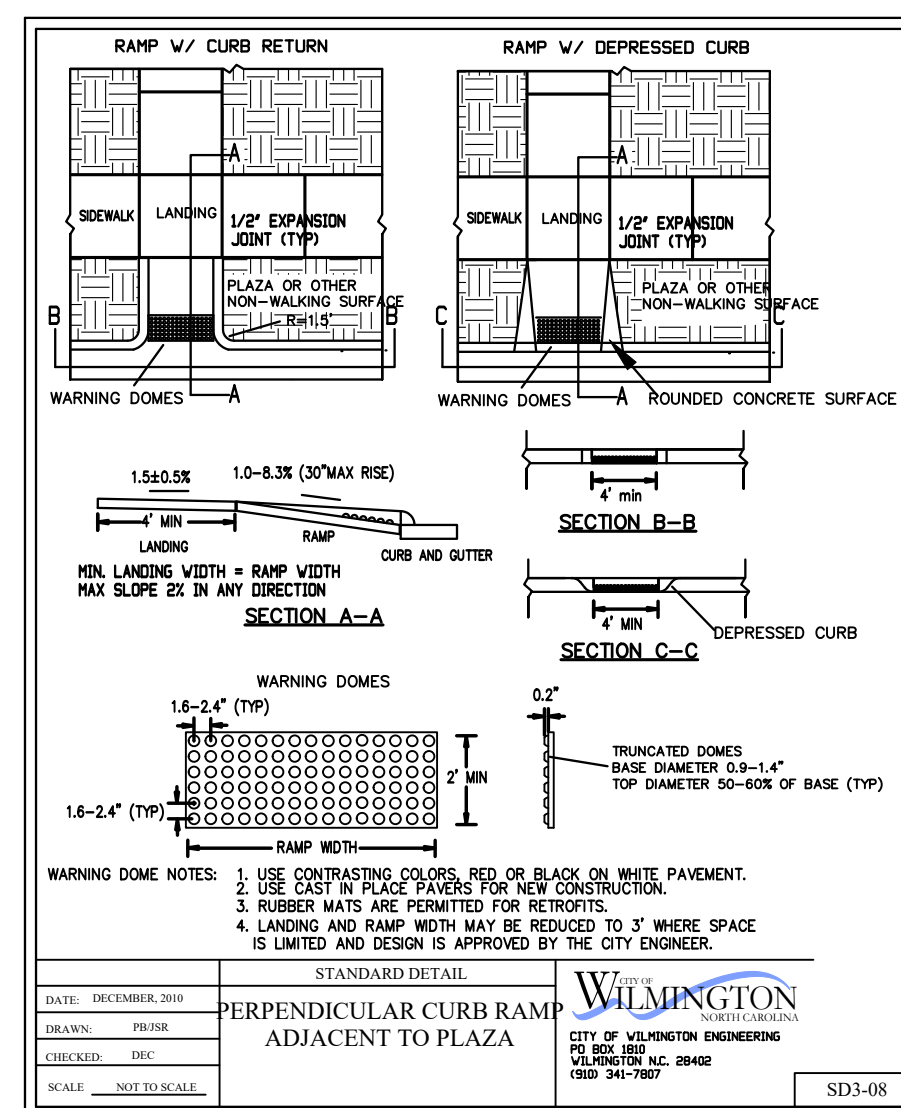
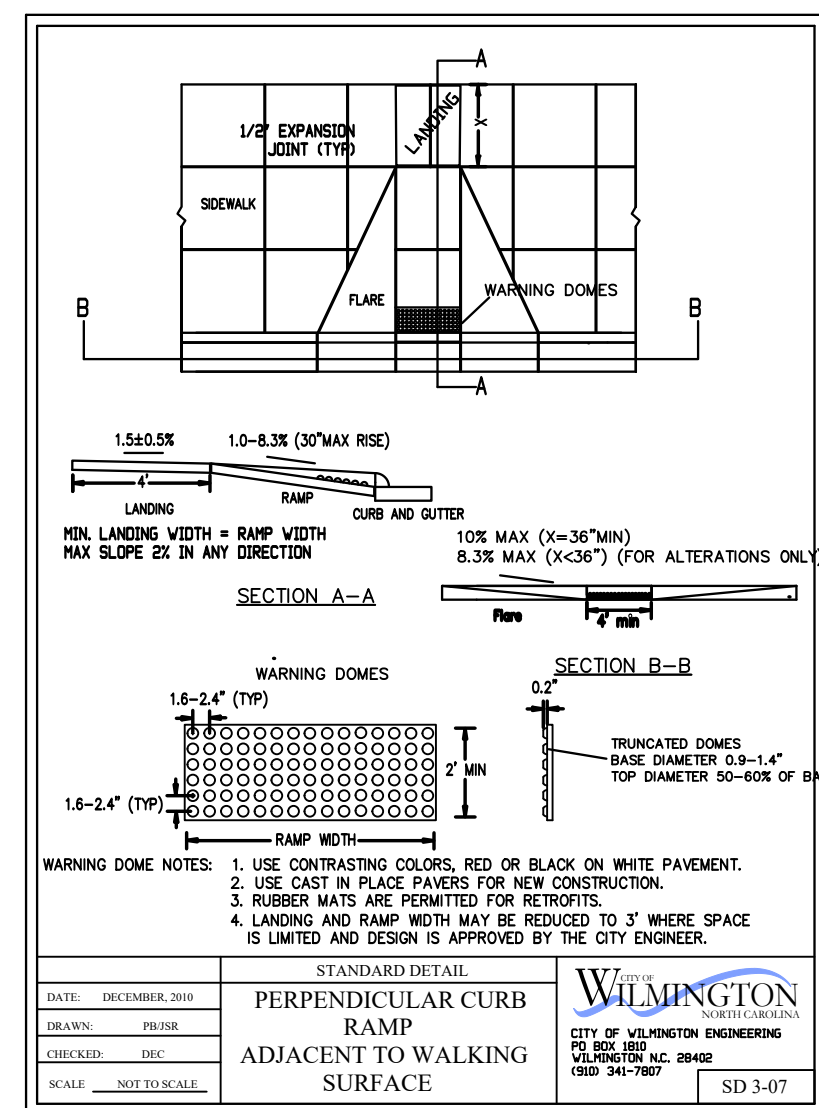
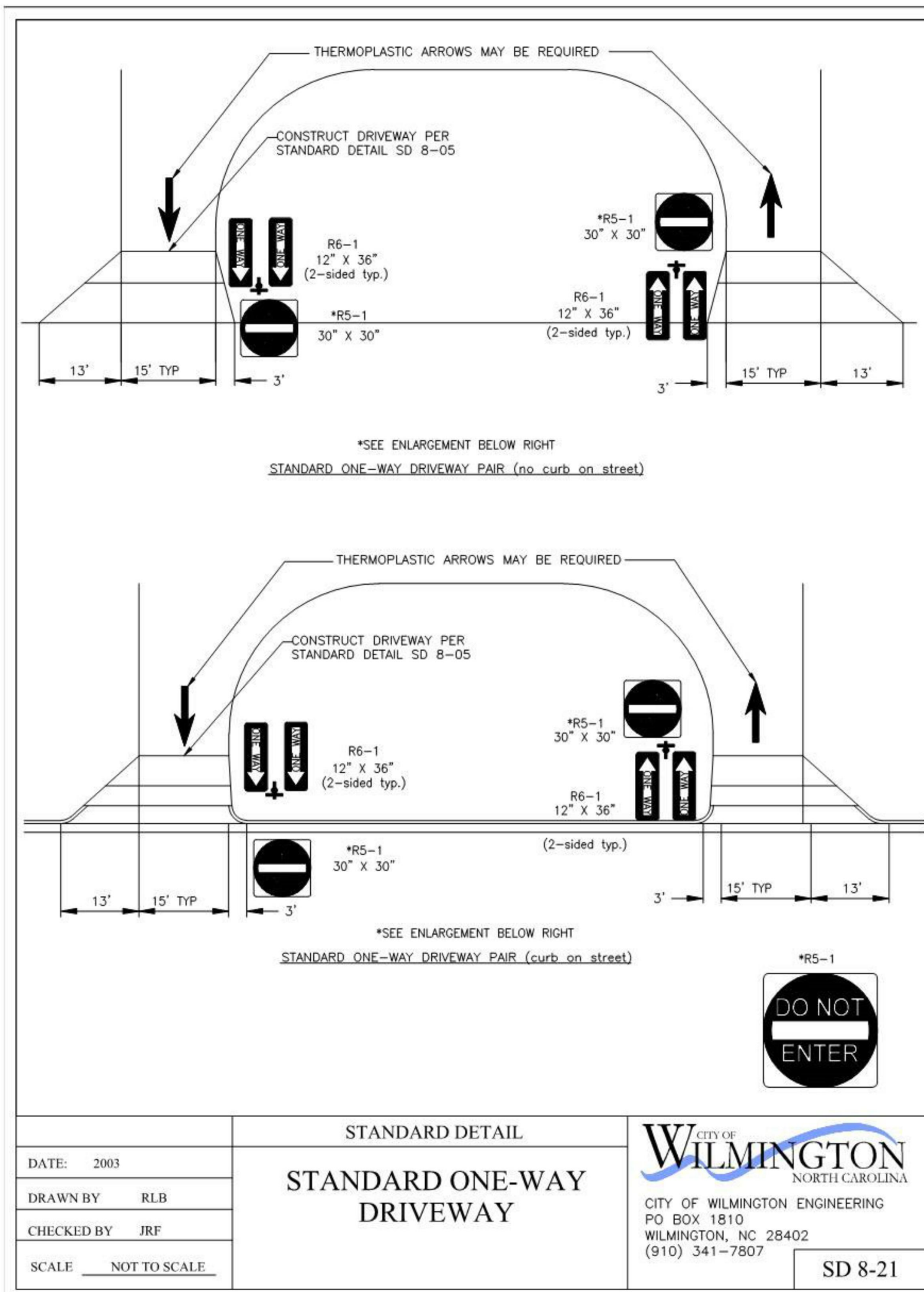
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[Logo and contact information]

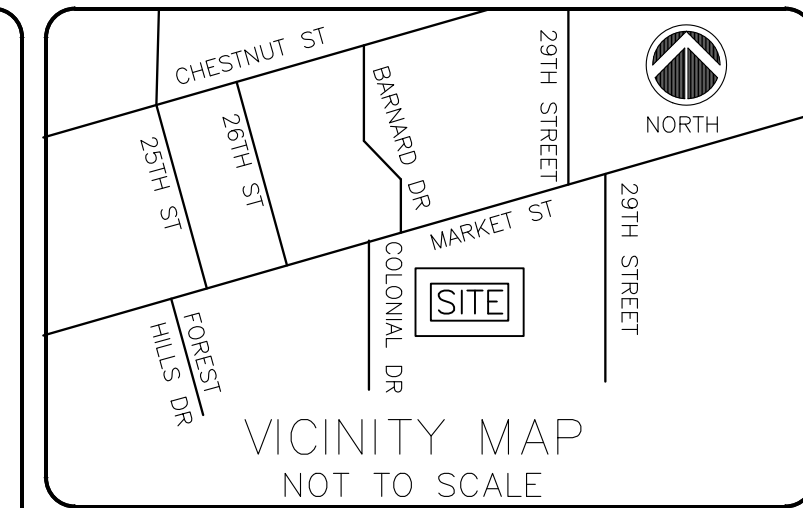
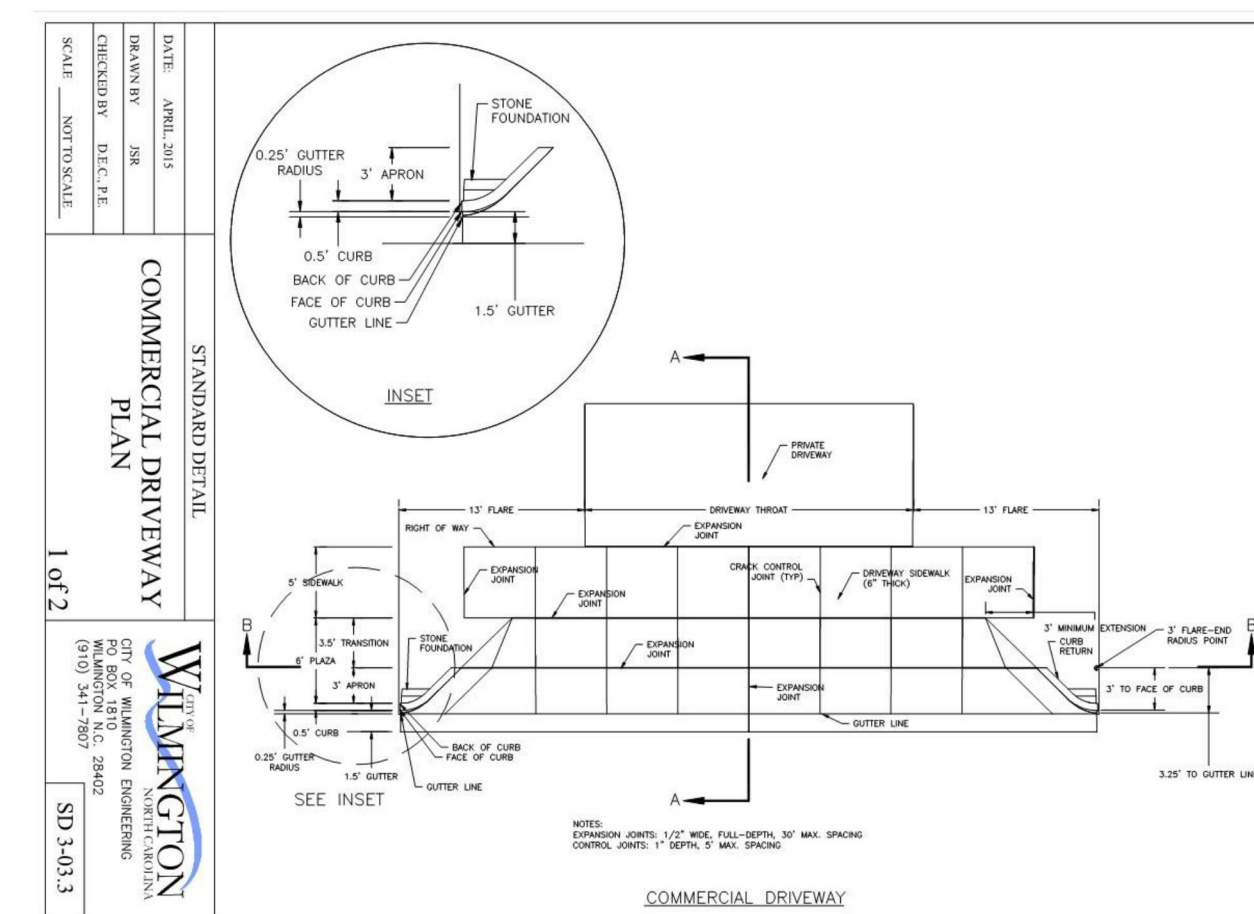
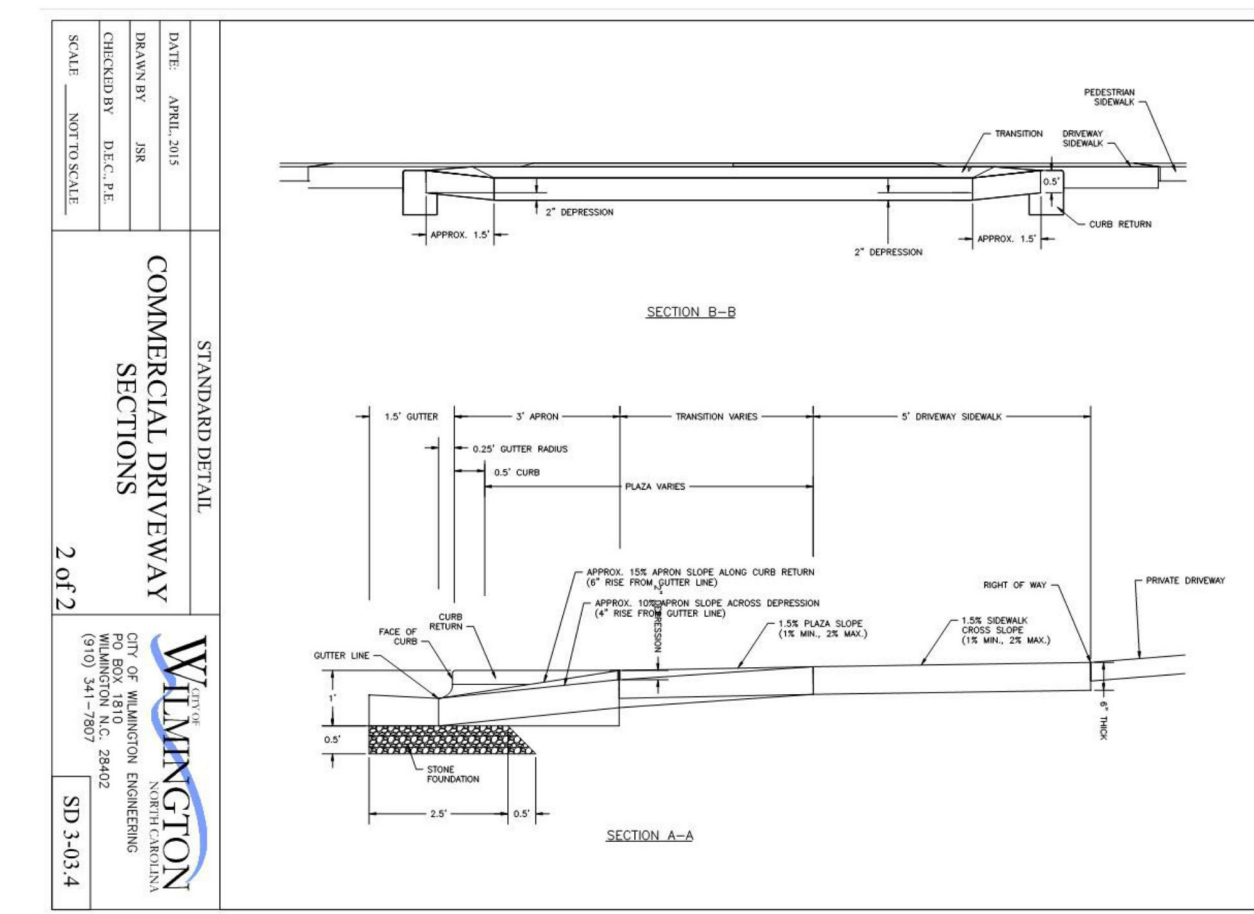
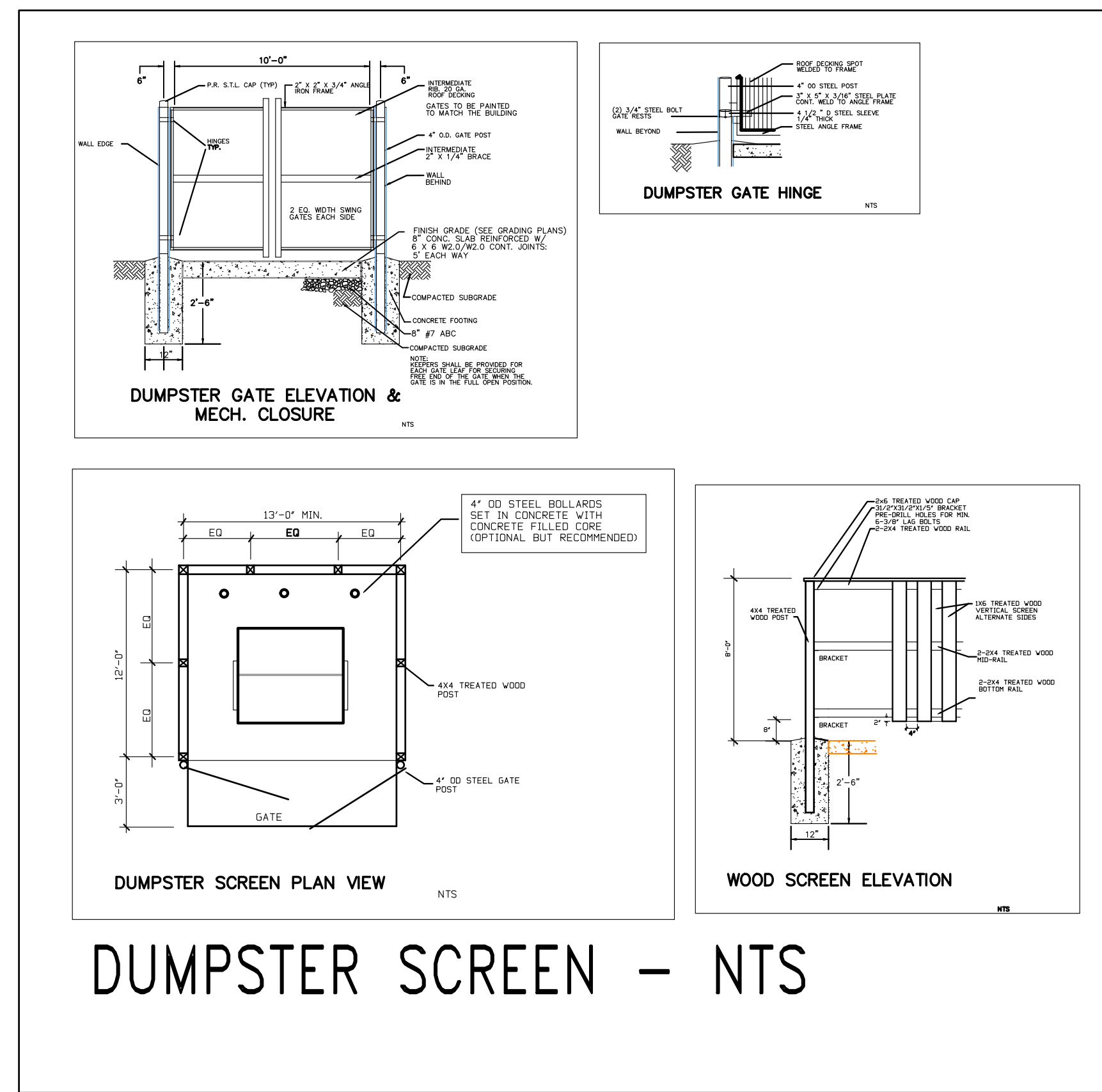
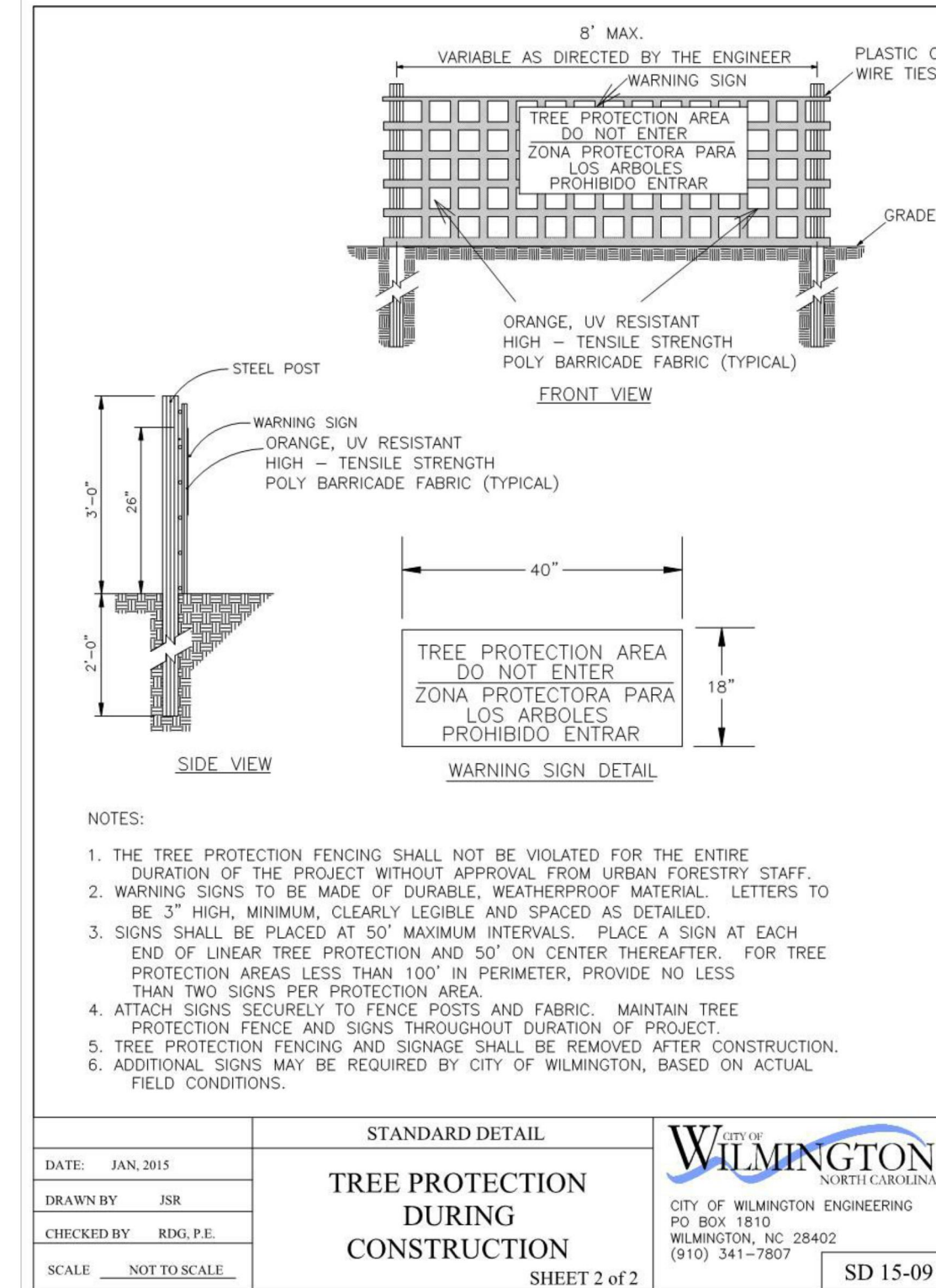
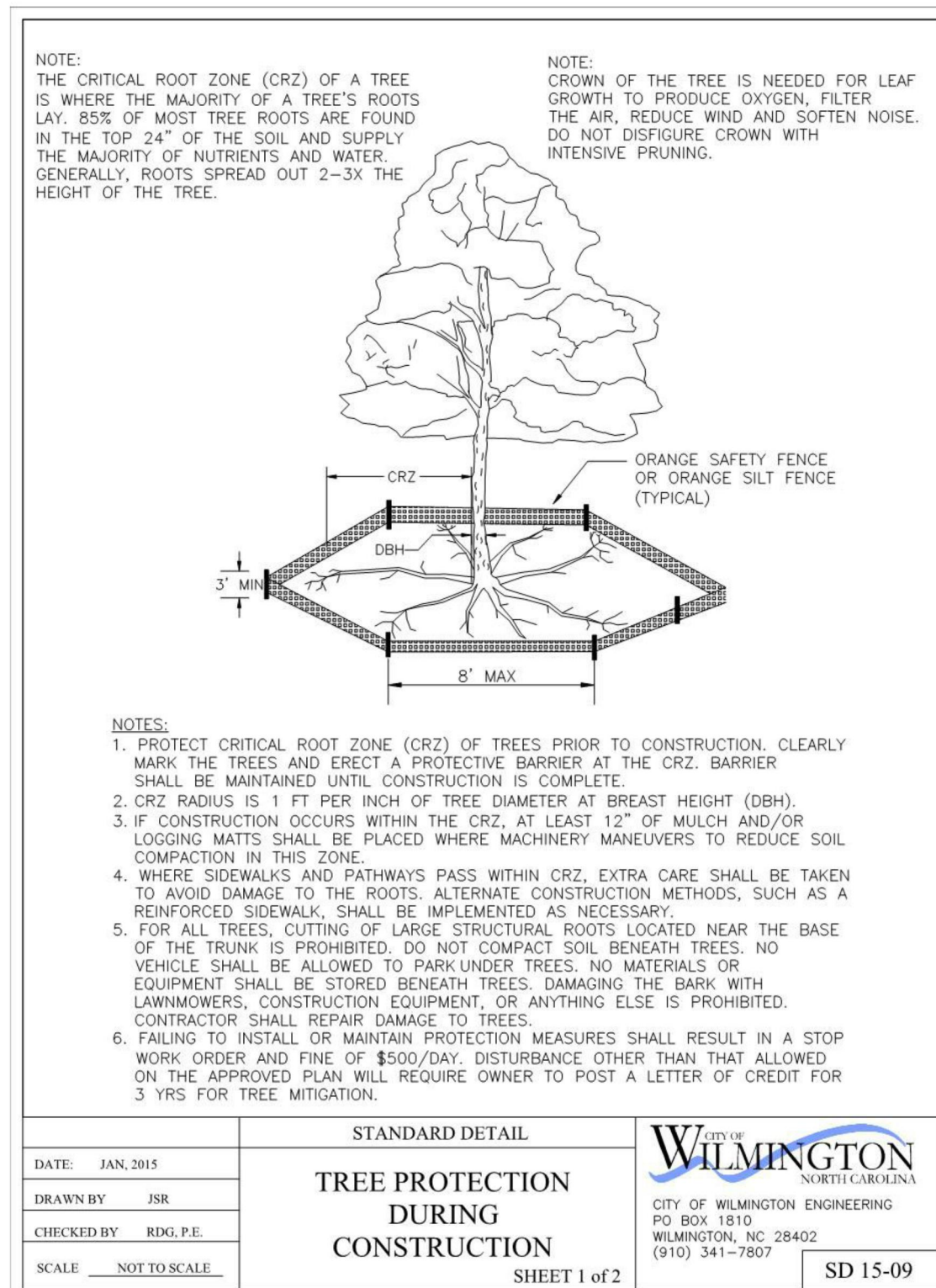
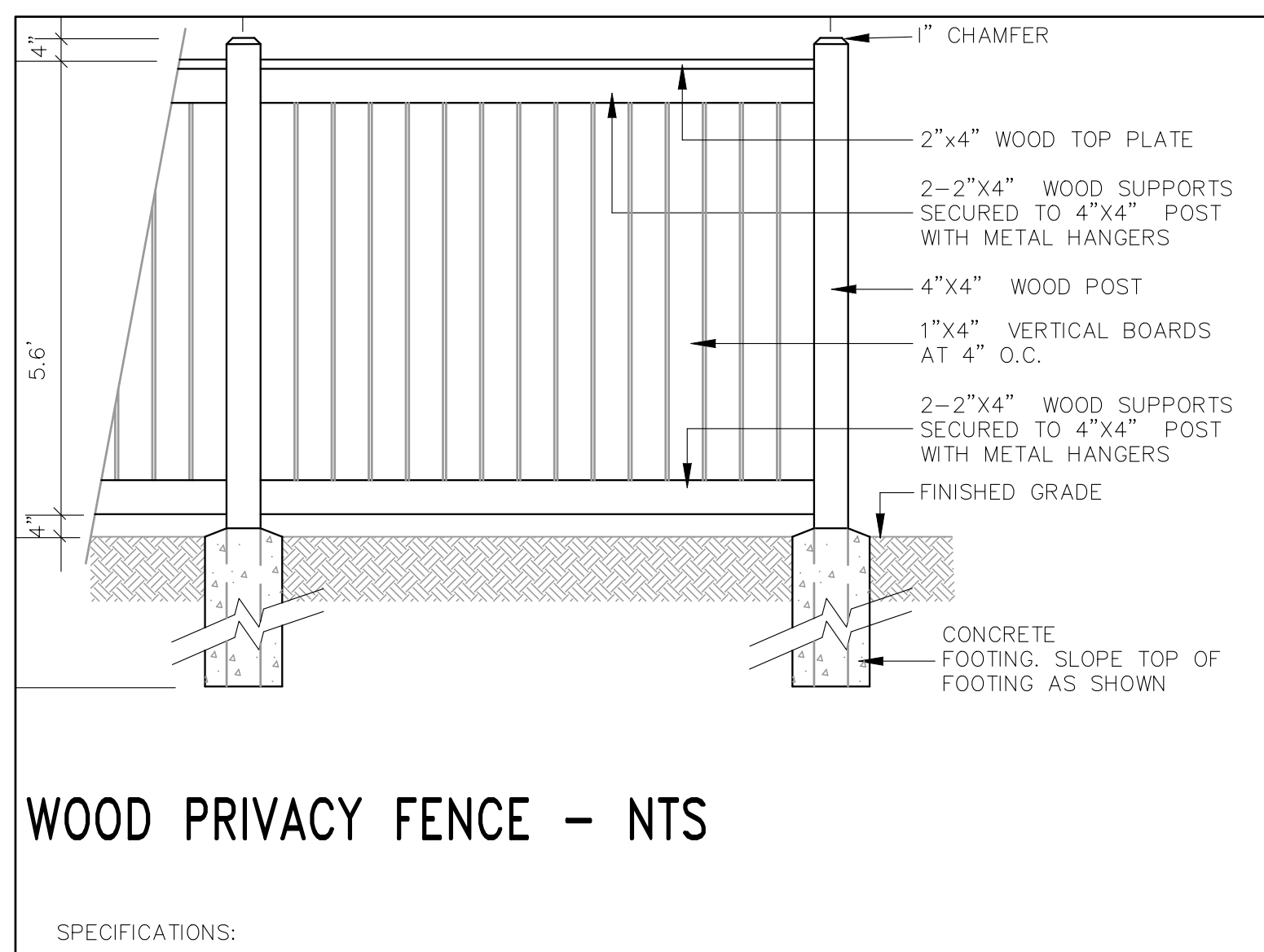
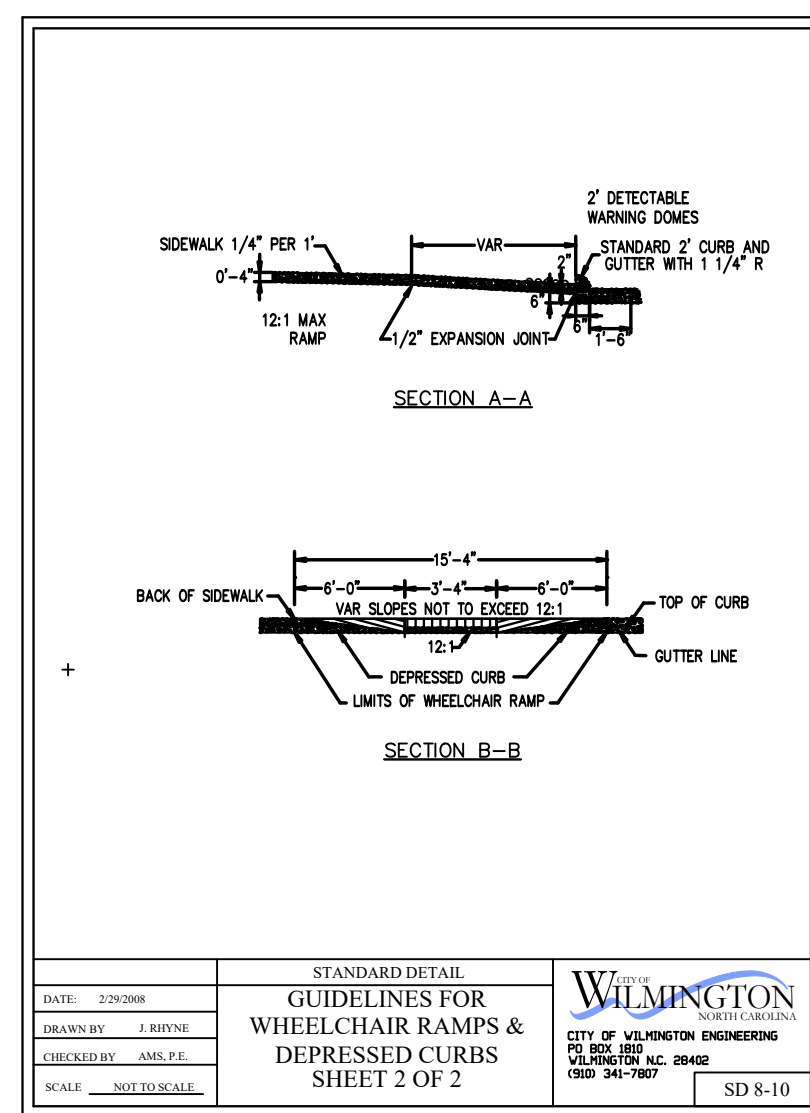
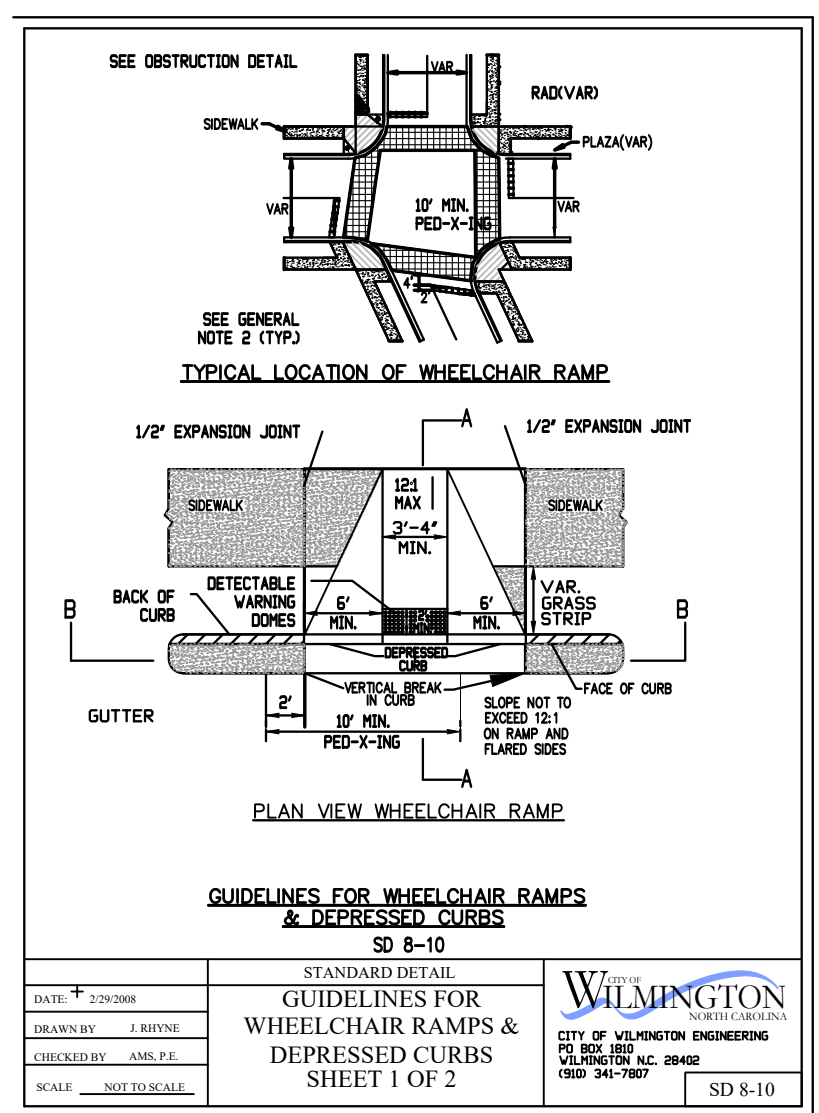
DRAWN : R LEWIS	PROJECT : 130-00
DESIGN : J CARMINE	NUMBER :
CHECK : F BRAXTON	SCALE : 1"=50'
APPROVED : J PETROFF	DATE : 3 MARCH 2017
FILE NAME :	

THE NIR FAMILY YMCA

DETAILS



GUIDELINES FOR WHEELCHAIR RAMPS & DEPRESSED CURBS



LEGEND:

REV. #	DESCRIPTION	REV. BY	DATE
	REVISIONS		

OWNER:
THE NIR FAMILY YMCA
2710 MARKET STREET
WILMINGTON, NC 28402

ISSUED FOR AGENCY REVIEW ONLY

NOT RELEASED FOR CONSTRUCTION

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711 981 8Y7E81 #REKAG8Y8Y SIV8YV M Y
8L8X D'U880j1 #7 c8g8# W8A A L8L8 Y Y8h
8 7 6 9 4 8 5 : 7 8 #8Y8g1 Bc D8 5 * -
D7C 6c1 8868 & K 7 8 188887 & (58 k k k 788Y8) W8a 18 - 8888 (18) 88

DRAWN : R LEWIS	PROJECT : 130-00
DESIGN : J CARMINE	NUMBER : 130-00
CHECK : F BRAXTON	SCALE : 1"=50'
APPROVED : J PETROFF	DATE : 3 MARCH 2017
FILE NAME :	

THE NIR FAMILY YMCA

DETAILS

JOB NUMBER	SHEET NUMBER
130-00	DET-2