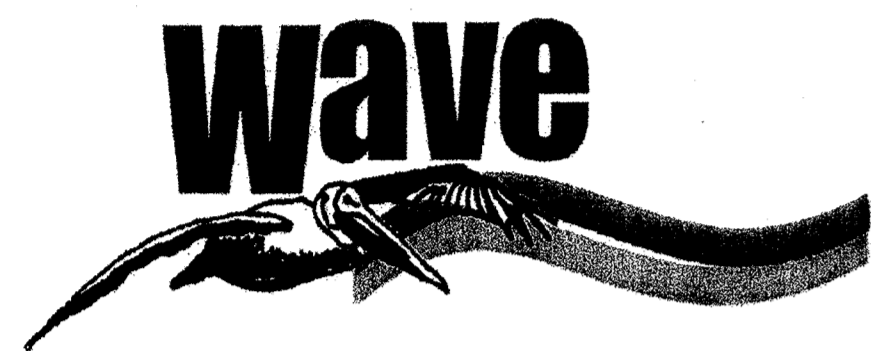


PROJECT

3RD STREET TRANSIT STATION

520 N. 3RD STREET
WILMINGTON, NORTH CAROLINA 28401

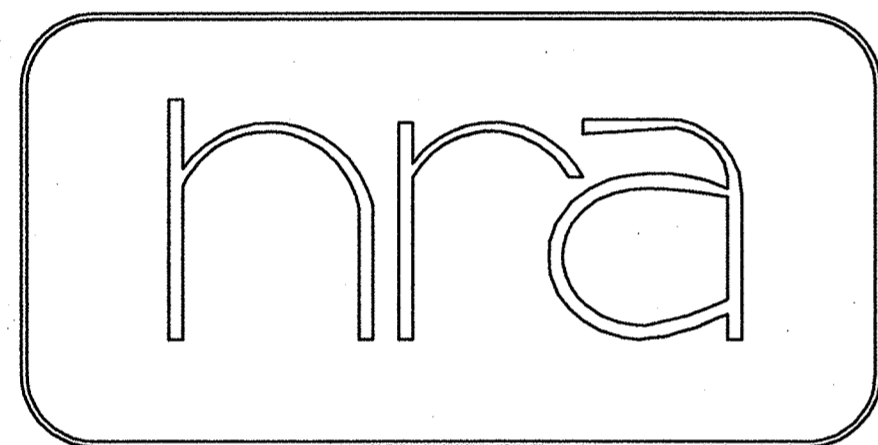
OWNER



CAPE FEAR PUBLIC TRANSIT AUTHORITY

505 CANDO STREET
WILMINGTON, NORTH CAROLINA 28405

ARCHITECT



H R ASSOCIATES PA
ARCHITECTURE PLANNING INTERIOR DESIGN
2202 WRIGHTSVILLE AVENUE, SUITE 212
WILMINGTON, NORTH CAROLINA 28403
T. 910.343.6008
RALEIGH
T. 919.838.8304

CONSULTANTS

CRISER TROUTMAN TANNER ENGINEERS

CIVIL ENGINEER
3809 PEACHTREE AVENUE, SUITE 102
WILMINGTON, NORTH CAROLINA 28403
T. 910.397.2929

HOWARD T. CAPPS & ASSOCIATES INC

LANDSCAPE ARCHITECT
4014 OLEANDER DRIVE - SUITE 102
WILMINGTON, NORTH CAROLINA 28403
T. 910.264.1998

DAVENPORT ASSOCIATES

CIVIL/TRAFFIC ENGINEERS
3722 SHIPYARD BOULEVARD - SUITE E
WILMINGTON, NORTH CAROLINA 28403
T. 910.251.8912

INDEX OF DRAWINGS

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CIVIL/SITE

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- C2 SITE PLAN EXISTING/NEW CONSTRUCTION
- C3 GRADING, EROSION CONTROL AND STORM WATER PLANS
- C4 UTILITY PLAN
- C5 CIVIL DETAILS
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- C8 STORMWATER DETAILS
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- ~~C10 CFPWA SANITARY SEWER DETAILS~~
- C11 DRAINAGE AREA PLAN
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- CS-2 GENERAL NOTES
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- BC1.3 BUS CANOPY DETAILS
- BC1.4 BUS CANOPY DETAILS
- BC1.5 BUS CANOPY DETAILS
- BC1.6 BUS CANOPY DETAILS

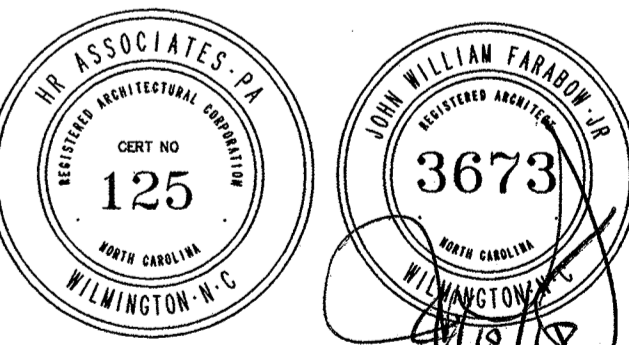
CIVIL/SIGNAGE

- SS1.1 SITE SIGNAGE PLAN
- SS1.2 SITE SIGN DETAILS

ARCHITECTURAL

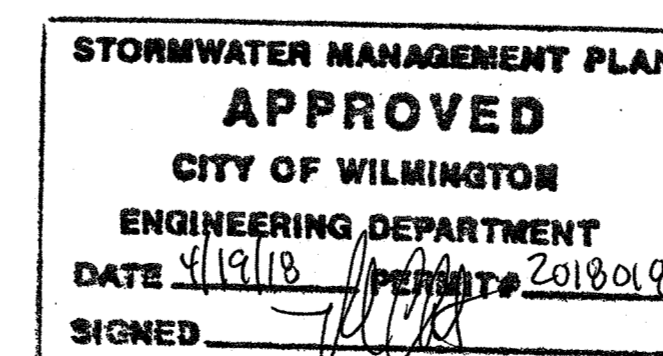
- A3.1D BUILDING ELEVATIONS - EXISTING/DEMOLITION
- A3.1 BUILDING ELEVATIONS - EXISTING/NEW CONSTRUCTION
- A3.2D BUILDING ELEVATIONS - EXISTING/DEMOLITION
- A3.2 BUILDING ELEVATIONS - EXISTING/NEW CONSTRUCTION

RECEIVED
APR 17 2018
PLANNING DIVISION



Approved Const. Plan		
	Name	Date
Planning	<i>W. Walter</i>	4-18-18
Public Utilities		
Traffic	<i>A. Spauld</i>	4-18-18
Fire	<i>C. Webb</i>	4-19-18

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/TRC SUBMITTAL

12 JUNE 2017

TRC 1ST REVIEW RE-SUBMITTAL

28 JULY 2017

TRC FINAL REVIEW

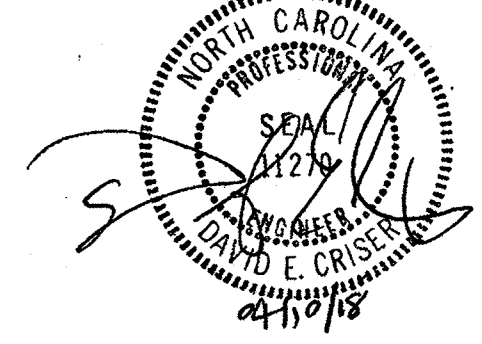
10 APRIL 2018

PROJECT NUMBER
186716.03

DRAWING TITLE/NUMBER

COVER

10 APRIL 2018

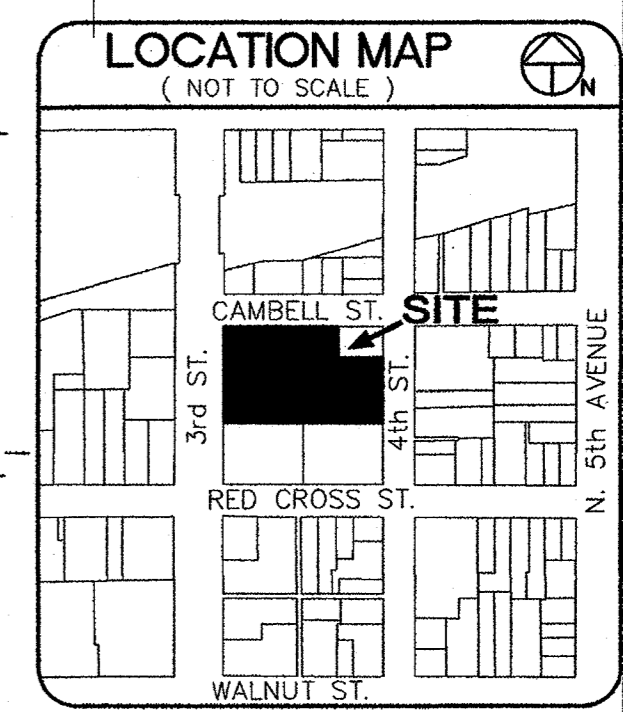


PROJECT ARCHITECT JOHN W. FARABOW, JR. AIA PROJECT MANAGER D. CRISER CHECKED BY D. CRISER DRAWN BY H. LEONARD

Table with 2 columns: DATE and DESCRIPTION. Includes milestones like PRELIMINARY DESIGN/APPROVAL, CITY/TRC SUBMITTAL, PERMIT/CONSTRUCTION SET, etc.

Table with 2 columns: REVISIONS and DESCRIPTION. Includes revision numbers and descriptions of changes.

PROJECT NUMBER 186716.03 DRAWING NUMBER EXISTING SITE AND DEMOLITION PLAN



SHEET INDEX table listing sheets C1 through C12 and their corresponding titles: C1 EXISTING SITE AND DEMOLITION PLAN, C2 SITE PLAN, C3 GRADING, EROSION CONTROL, AND STORMWATER PLAN, etc.

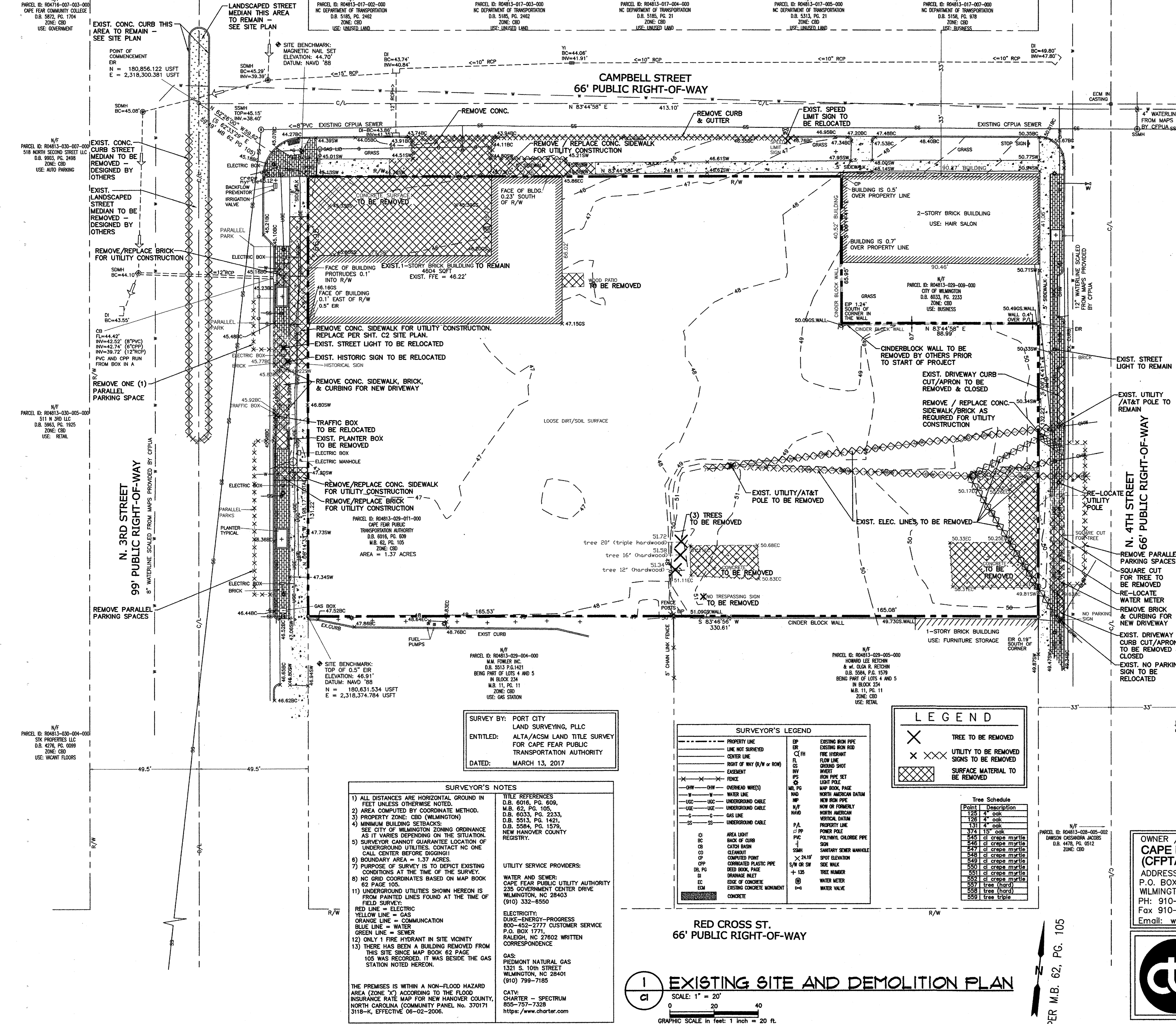
NOTES: 1. ALTA/ACSM SURVEY DATED MARCH 13, 2017 DID NOT SHOW ANY EXISTING EASEMENTS ON THIS PROPERTY. 2. EXISTING TREE INFORMATION PROVIDED BY HR ASSOCIATES, PA, ON JUNE 07, 2017. 3. NO WETLANDS EXIST ON SITE. 4. THE EXISTING SOILS IN ALL LANDSCAPED AREAS TO BE REMOVED & REPLACED WITH 2 FEET DEEP TOPSOIL MATERIAL. (THIS DOES NOT APPLY TO THE INFILTRATION AREA).

Approved Construction Plan stamp from the City of Wilmington, North Carolina, Public Works & Engineering Division. Includes date 4/19/18 and signature.

Approved Construction Plan stamp with Name, Date, Planning, Traffic, and Fire signatures and dates.

OWNER / DEVELOPER / APPLICANT: CAPE FEAR PUBLIC TRANSIT AUTHORITY (CFPTA). ADDRESS: P.O. BOX 12630, WILMINGTON, NORTH CAROLINA 28405-0130. PH: 910-343-0106. Fax 910-772-7942. Email: wavetransit@wavetransit.com

CRISER TROUTMAN TANNER CONSULTING ENGINEERS NC 3809 Peachtree Ave., Suite 102, Wilmington, NC 28403. 910.397.2929 Ph. 910.397.2971 Fax. www.cttengineering.com Firm License Number: F-0113 7947.00



SURVEY BY: PORT CITY LAND SURVEYING, PLLC ENTITLED: ALTA/ACSM LAND TITLE SURVEY FOR CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY DATED: MARCH 13, 2017

SURVEYOR'S NOTES: 1) ALL DISTANCES ARE HORIZONTAL GROUND IN FEET UNLESS OTHERWISE NOTED. 2) AREA COMPUTED BY COORDINATE METHOD. 3) PROPERTY ZONE: CBD (WILMINGTON). 4) MINIMUM BUILDING SETBACKS: SEE CITY OF WILMINGTON ZONING ORDINANCE AS IT VARIES DEPENDING ON THE SITUATION. 5) SURVEYOR CANNOT GUARANTEE LOCATION OF UNDERGROUND UTILITIES. CONTACT NC ONE CALL CENTER BEFORE DIGGING! 6) BOUNDARY AREA = 1.37 ACRES. 7) PURPOSE OF SURVEY IS TO DEPICT EXISTING CONDITIONS AT THE TIME OF THE SURVEY. 8) NC GRID COORDINATES BASED ON MAP BOOK 62 PAGE 105. 9) UNDERGROUND UTILITIES SHOWN HEREON IS FROM PAINTED LINES FOUND AT THE TIME OF FIELD SURVEY: RED LINE = ELECTRIC YELLOW LINE = GAS ORANGE LINE = COMMUNICATION BLUE LINE = WATER GREEN LINE = SEWER 12) ONLY 1 FIRE HYDRANT IN SITE VICINITY 13) THERE HAS BEEN A BUILDING REMOVED FROM THIS SITE SINCE MAP BOOK 62 PAGE 105 WAS RECORDED. IT WAS BESIDE THE GAS STATION NOTED HEREON.

TITLE REFERENCES: D.B. 6016, PG. 809, M.B. 62, PG. 105, D.B. 6033, PG. 2233, D.B. 5513, PG. 1421, D.B. 5584, PG. 1579, M.B. 11, PG. 11 IN BLOCK 234, ZONE: CBD USE: GAS STATION. UTILITY SERVICE PROVIDERS: WATER AND SEWER: CAPE FEAR PUBLIC UTILITY AUTHORITY 235 GOVERNMENT CENTER DRIVE WILMINGTON, NC 28403 (910) 332-8550. ELECTRICITY: DUKE-ENERGY-PROGRESS 800-452-2777 CUSTOMER SERVICE P.O. BOX 1771, RALEIGH, NC 27602 WRITTEN CORRESPONDENCE. GAS: PIEDMONT NATURAL GAS 1321 S. 10th STREET WILMINGTON, NC 28401 (910) 799-7185. CATV: CHARTER - SPECTRUM 855-757-7328 https://www.charter.com

SURVEYOR'S LEGEND table defining symbols for PROPERTY LINE, LINE NOT SURVEYED, CENTER LINE, RIGHT OF WAY (R/W or ROW), EASEMENT, FENCE, OVERHEAD WIRES, WATER LINE, UNDERGROUND CABLE, GAS LINE, UNDERGROUND CABLE, AREA LIGHT, BACK OF CURB, CATCH BASIN, CLEANOUT, COMPUTED POINT, CORRUGATED PLASTIC PIPE, DEED BOOK, PAGE, DRAINAGE RIET, EDGE OF CONCRETE, EXISTING CONCRETE MONUMENT, CONCRETE, EP, EXISTING IRON PIPE, EXISTING IRON ROD, FIRE HYDRANT, FLOW LINE, GROUND SHOT, INVERT, HIGH PIPE SET, LIGHT POLE, MAP BOOK, PAGE, NORTH AMERICAN DATUM, NEW IRON PIPE, NOW OR FORMERLY, NORTH AMERICAN VERTICAL DATUM, PROPERTY LINE, POWER POLE, POLYETHYLENE GLYCOL PIPE, SANITARY SEWER MANHOLE, SIDE WALK, SIDE NUMBER, TREE NUMBER, WATER METER, WATER VALVE.

LEGEND table defining symbols for TREE TO BE REMOVED, UTILITY TO BE REMOVED SIGNS TO BE REMOVED, SURFACE MATERIAL TO BE REMOVED.

Tree Schedule table with columns: Point, Description. Lists trees like 125 4" oak, 126 4" oak, 131 4" oak, etc.

RED CROSS ST. 66' PUBLIC RIGHT-OF-WAY. EXISTING SITE AND DEMOLITION PLAN. SCALE: 1" = 20'. GRAPHIC SCALE in feet: 1 inch = 20 ft.

PER M.B. 62, PG. 105

PARCEL ID: R04716-003-000
CAPE FEAR COMMUNITY COLLEGE
D.B. 3872, PG. 1704
ZONE: CBD
USE: GOVERNMENT

N/F
PARCEL ID: R04813-017-002-000
NC DEPARTMENT OF TRANSPORTATION
D.B. 5185, PG. 2482
ZONE: CBD
USE: UNUSED LAND

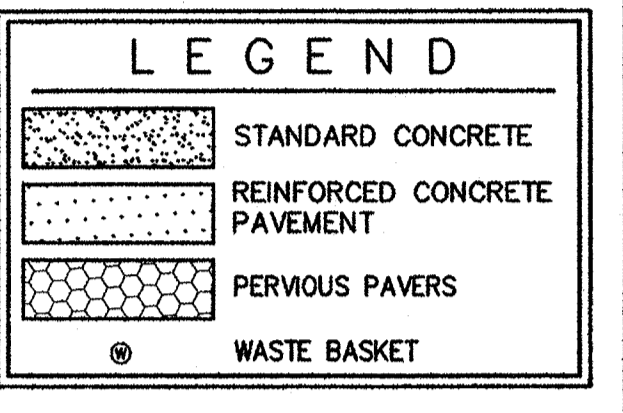
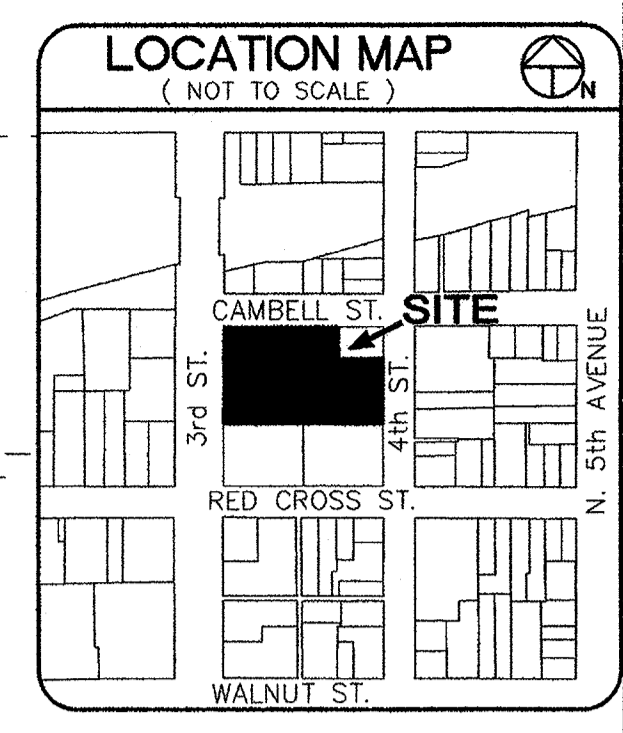
N/F
PARCEL ID: R04813-017-004-000
NC DEPARTMENT OF TRANSPORTATION
D.B. 5185, PG. 21
ZONE: CBD
USE: UNUSED LAND

N/F
PARCEL ID: R04813-017-005-000
NC DEPARTMENT OF TRANSPORTATION
D.B. 5185, PG. 21
ZONE: CBD
USE: UNUSED LAND

N/F
PARCEL ID: R04813-017-007-000
NC DEPARTMENT OF TRANSPORTATION
D.B. 5185, PG. 978
ZONE: CBD
USE: BUSINESS

N/F
PARCEL ID: R04813-017-007-000
NC DEPARTMENT OF TRANSPORTATION
D.B. 5185, PG. 978
ZONE: CBD
USE: BUSINESS

N/F
PARCEL ID: R04813-014-014-000
WILMINGTON FRESHCUTS LLC
D.B. 5179, PG. 2207
ZONE: CBD

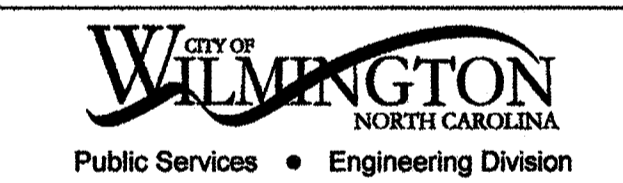


ALTERNATE NO. THREE
PAVEMENT:
UNDER THIS ALTERNATE, INSTEAD OF USING REINFORCED CONCRETE PAVEMENT AT THE BUS LOADING/UNLOADING AREA, PROVIDE HEAVY-DUTY ASPHALT PAVEMENT WITH A 10-INCH THICK ABC STONE BASE & 4" SP9.5A SURFACE (2 LAYERS).

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

- NOTES:**
1. ALL PAVEMENT MARKINGS IN PUBLIC RIGHT-OF-WAY AND DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY OF WILMINGTON AND/OR NCDOT STANDARDS.
 2. ALL SIGNS AND PAVEMENT MARKINGS IN OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD STANDARDS.
 3. ALL PAVEMENT PARKING MARKINGS AND LANE ARROWS SHALL BE WHITE.
 4. CONTRACTOR SHALL MAINTAIN AN ALL-WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION.
 5. CONTACT TRAFFIC ENGINEER AT 910-341-7888 FORTY-EIGHT (48) HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT-OF-WAY.
 6. SEE SHT. SS1.1 FOR ALL PAVEMENT MARKINGS & SIGNAGE.

PARCEL ID: R04813-028-002-000
BETHESDA CHRISTIAN LIFE CHURCH
D.B. 2449, PG. 0751
ZONE: CBD



Date: 4/19/18
Signed: [Signature]

PARCEL ID: R04813-028-003-000
DANSON CASSANDRA JACOBS
D.B. 4478, PG. 0512
ZONE: CBD

Approved Construction Plan

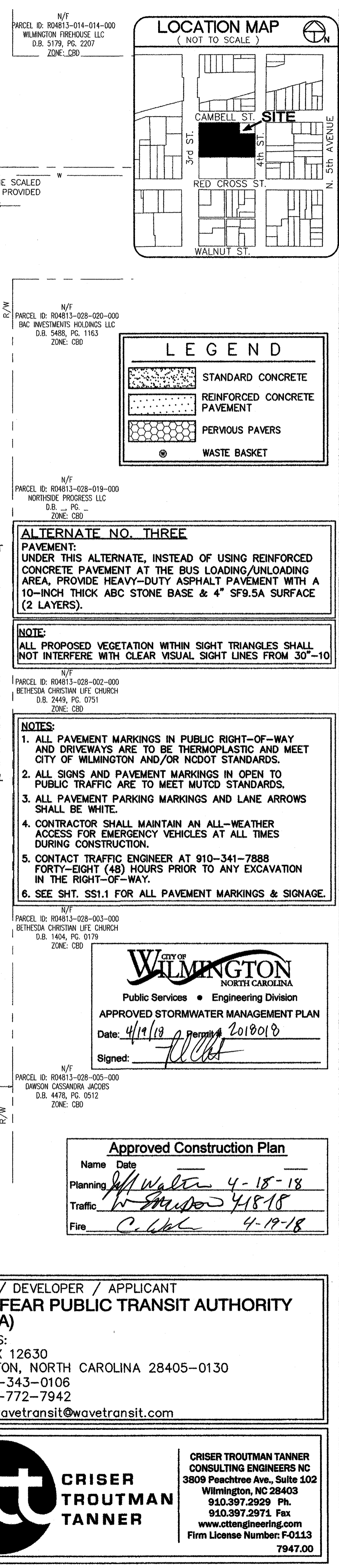
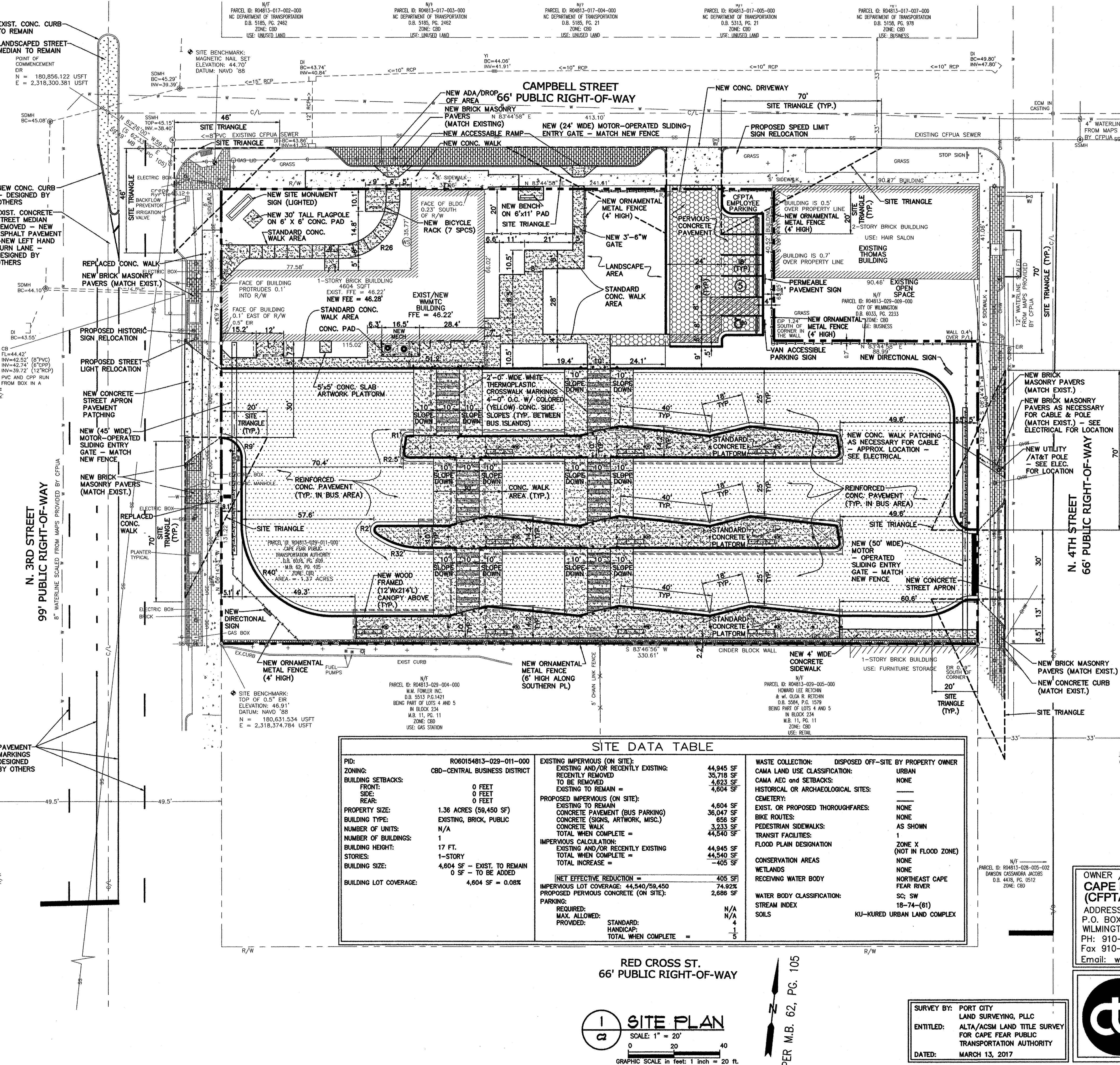
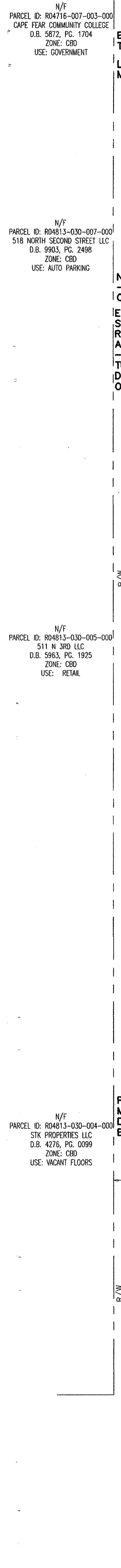
Name: [Blank]
Date: [Blank]
Planning: [Signature] 4-18-18
Traffic: [Signature] 4-18-18
Fire: [Signature] 4-19-18

OWNER / DEVELOPER / APPLICANT
CAPE FEAR PUBLIC TRANSIT AUTHORITY (CFPTA)
ADDRESS:
P.O. BOX 12630
WILMINGTON, NORTH CAROLINA 28405-0130
PH: 910-343-0106
Fax 910-772-7942
Email: wavetransit@wavetransit.com

N/F
PARCEL ID: R04813-030-007-000
518 NORTH SECOND STREET LLC
D.B. 5903, PG. 2498
ZONE: CBD
USE: AUTO PARKING

N/F
PARCEL ID: R04813-030-005-000
511 N 3RD LLC
D.B. 5963, PG. 1925
ZONE: CBD
USE: RETAIL

N/F
PARCEL ID: R04813-030-004-000
STK PROPERTIES LLC
D.B. 4276, PG. 0099
ZONE: CBD
USE: VACANT FLOORS



PID: R060154813-029-011-000		ZONING: CBD-CENTRAL BUSINESS DISTRICT	
BUILDING SETBACKS:	FRONT: 0 FEET SIDE: 0 FEET REAR: 0 FEET	EXISTING IMPERVIOUS (ON SITE):	44,945 SF
PROPERTY SIZE:	1.36 ACRES (59,450 SF)	EXISTING AND/OR RECENTLY EXISTING TO BE REMOVED:	35,716 SF
BUILDING TYPE:	EXISTING, BRICK, PUBLIC	EXISTING TO REMAIN =	4,604 SF
NUMBER OF UNITS:	N/A	PROPOSED IMPERVIOUS (ON SITE):	4,604 SF
NUMBER OF BUILDINGS:	1	EXISTING TO REMAIN:	4,604 SF
BUILDING HEIGHT:	17 FT.	CONCRETE PAVEMENT (BUS PARKING)	36,047 SF
STORIES:	1-STORY	CONCRETE (SIGNS, ARTWORK, MISC.)	656 SF
BUILDING SIZE:	4,604 SF - EXIST. TO REMAIN 0 SF - TO BE ADDED	CONCRETE WALK	3,233 SF
BUILDING LOT COVERAGE:	4,604 SF = 0.08%	TOTAL WHEN COMPLETE =	44,540 SF
		IMPERVIOUS CALCULATION:	
		EXISTING AND/OR RECENTLY EXISTING	44,945 SF
		TOTAL WHEN COMPLETE =	44,540 SF
		TOTAL INCREASE =	-405 SF
		NET EFFECTIVE REDUCTION =	405 SF
		IMPERVIOUS LOT COVERAGE: 44,540/59,450	74.92%
		PROPOSED PERVIOUS CONCRETE (ON SITE):	2,686 SF
		PARKING:	N/A
		REQUIRED:	N/A
		MAX. ALLOWED:	N/A
		PROVIDED:	4
		STANDARD:	4
		HANDICAP:	1
		TOTAL WHEN COMPLETE =	5
		WASTE COLLECTION:	DISPOSED OFF-SITE BY PROPERTY OWNER
		CAMA LAND USE CLASSIFICATION:	URBAN
		CAMA AEC and SETBACKS:	NONE
		HISTORICAL OR ARCHAEOLOGICAL SITES:	---
		CEMETERY:	---
		EXIST. OR PROPOSED THROUGHFARES:	NONE
		BIKE ROUTES:	NONE
		PEDESTRIAN SIDEWALKS:	AS SHOWN
		TRANSIT FACILITIES:	1
		FLOOD PLAIN DESIGNATION:	ZONE X (NOT IN FLOOD ZONE)
		CONSERVATION AREAS:	NONE
		WETLANDS:	NONE
		RECEIVING WATER BODY:	NORTHEAST CAPE FEAR RIVER
		WATER BODY CLASSIFICATION:	SC; SW
		STREAM INDEX:	18-74-(61)
		SOILS:	KU-KURED URBAN LAND COMPLEX

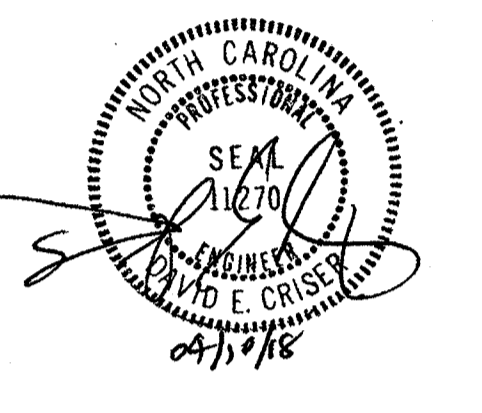
RED CROSS ST.
66' PUBLIC RIGHT-OF-WAY

SITE PLAN
SCALE: 1" = 20'
0 20 40
GRAPHIC SCALE in feet: 1 inch = 20 ft.

PER M.B. 62, PG. 105

SURVEY BY: PORT CITY SURVEYING, PLLC
ENTITLED: ALTA/ACSM LAND TITLE SURVEY FOR CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY
DATED: MARCH 13, 2017

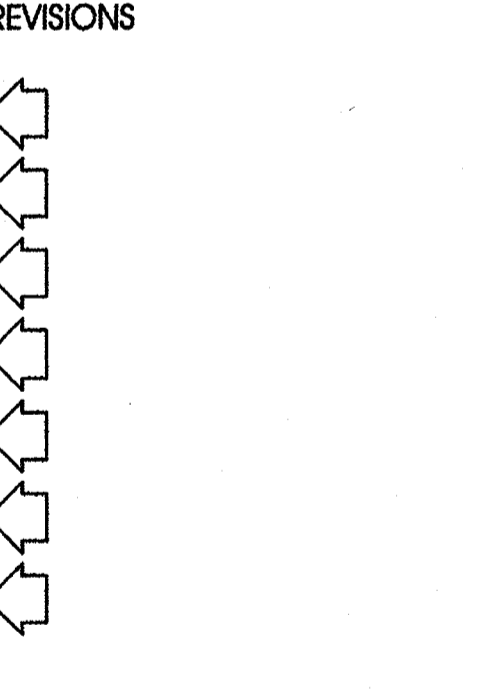
hra
H R ASSOCIATES PA
ARCHITECTURE
PLANNING
INTERIOR DESIGN
2202 WRIGHTSVILLE AVENUE
SUITE 212
WILMINGTON, NC 28403
T. 910.343.6008
F. 910.343.8761



PROJECT ARCHITECT
JOHN W. FARABOW, JR. AIA
PROJECT MANAGER
D CRISER
CHECKED BY
D CRISER
DRAWN BY
H LEONARD

ISSUE DATE

4/1/2011	PRELIMINARY DESIGN/ APPROVAL
6/1/2011	CITY/TRC SUBMITTAL
6/1/2011	30% PERMIT/CONSTRUCTION SET
12/8/2011	TRC 1ST REVIEW RE-SUBMITTAL
8/1/2011	95% PERMIT SET
1/20/2018	PERMIT/CONSTRUCTION SET
3/16/2018	PERMIT/CONSTRUCTION SET
4/18/2018	PERMIT/CONSTRUCTION SET



PROJECT NUMBER
186716.03
DRAWING NUMBER
SITE PLAN

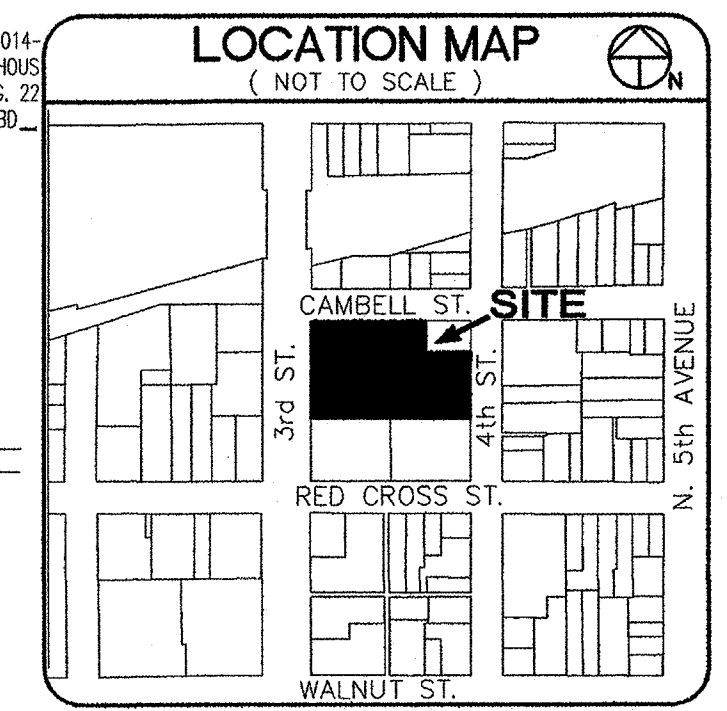
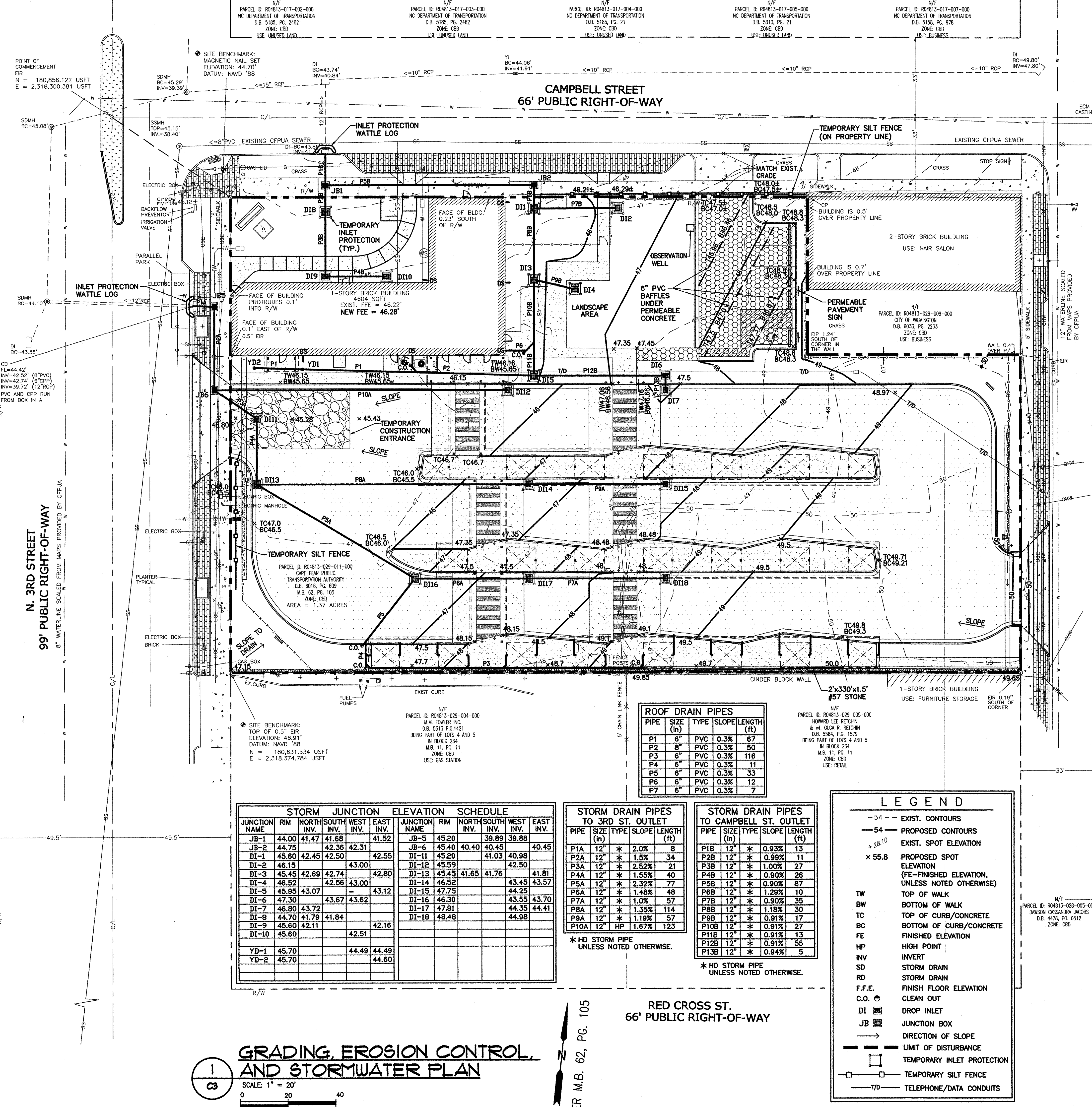
C2
8 JANUARY 2018
© 2018 by H R Associates, P.A.

N/F
PARCEL ID: R04716-007-003-000
CAPE FEAR COMMUNITY COLLEGE
D.B. 5872, PG. 1704
ZONE: CBD
USE: GOVERNMENT

N/F
PARCEL ID: R04813-030-007-000
518 NORTH SECOND STREET LLC
D.B. 5903, PG. 2488
ZONE: CBD
USE: AUTO PARKING

N/F
PARCEL ID: R04813-030-005-000
511 N 3RD LLC
D.B. 5963, PG. 1925
ZONE: CBD
USE: RETAIL

N/F
PARCEL ID: R04813-030-004-000
STK PROPERTIES LLC
D.B. 4276, PG. 0099
ZONE: CBD
USE: VACANT FLOORS



NOTES:

1. THE EXISTING SOILS IN ALL LANDSCAPED AREAS TO BE REMOVED & REPLACED WITH 2 FEET DEEP TOPSOIL MATERIAL (THIS DOES NOT APPLY TO THE INFILTRATION AREA).
2. ALL LANDSCAPE AREAS TO RECEIVE MULCH SHALL HAVE THE SOIL MATERIAL REMOVED TO A MINIMUM OF 8 INCHES BELOW THE SURROUNDING HARDSCAPE. THE TOPSOIL (2 FEET), AS NOTED IN ITEM No. 1 ABOVE, WILL REMAIN.
3. DRAINAGE PIPE SHALL BE HD STORM PIPE. PIPE SHALL BE POLYPROPYLENE DOUBLE-GASKETED PIPE WITH CORRUGATED EXTERIOR & SMOOTH INTERIOR, MEETING AASHTO M330. INSTALL PER ASTM D2321. BACKFILL SHALL BE CLASS 1, CLASS 2 (95-98% SPA), CLASS 3 (95-90% SPA), CLASS 4 (95%) FROM 6" BELOW PIPE TO TOP OF THE PIPE

N/F
PARCEL ID: R04813-029-019-000
NORTHIDE PROGRESS LLC
D.B. PG. -
ZONE: CBD

N/F
PARCEL ID: R04813-029-009-000
CITY OF WILMINGTON
D.B. 8033, PG. 2235
ZONE: CBD
USE: BUSINESS

N/F
PARCEL ID: R04813-029-002-000
BETHESDA CHRISTIAN LIFE CHURCH
D.B. 2449, PG. 0751
ZONE: CBD

N/F
PARCEL ID: R04813-029-003-000
BETHESDA CHRISTIAN LIFE CHURCH
D.B. 1404, PG. 0179
ZONE: CBD

N/F
PARCEL ID: R04813-029-005-000
DANSON CASSANDRA JACOBS
D.B. 4478, PG. 0512
ZONE: CBD

WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN
Date: 4/19/18 Permit # 2018018
Signed: [Signature]

Approved Construction Plan
Name: [Name] Date: [Date]
Planning: [Signature] 4-18-18
Traffic: [Signature] 4-18-18
Fire: [Signature] 4-19-18

SURVEY BY: PORT CITY LAND SURVEYING, PLLC
ENTITLED: ALTA/ACSM LAND TITLE SURVEY FOR CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY
DATED: MARCH 13, 2017

OWNER / DEVELOPER / APPLICANT
CAPE FEAR PUBLIC TRANSIT AUTHORITY (CFPTA)
ADDRESS:
P.O. BOX 12630
WILMINGTON, NORTH CAROLINA 28405-0130
PH: 910-343-0106
Fax 910-772-7942
Email: wavetransit@wavetransit.com

CRISER TROUTMAN TANNER
CONSULTING ENGINEERS NC
3809 Peachtree Ave., Suite 102
Wilmington, NC 28403
910.397.2929 Ph.
910.397.2971 Fax
www.cttengineering.com
Firm License Number: F-0113
7947.00

ROOF DRAIN PIPES

PIPE	SIZE (in)	TYPE	SLOPE	LENGTH (ft)
P1	6"	PVC	0.3%	67
P2	6"	PVC	0.3%	50
P3	6"	PVC	0.3%	116
P4	6"	PVC	0.3%	11
P5	6"	PVC	0.3%	33
P6	6"	PVC	0.3%	12
P7	6"	PVC	0.3%	7

STORM DRAIN PIPES TO 3RD ST. OUTLET

PIPE	SIZE (in)	TYPE	SLOPE	LENGTH (ft)
P1A	12"	*	2.0%	8
P2A	12"	*	1.5%	34
P3A	12"	*	2.52%	21
P4A	12"	*	1.55%	40
P5A	12"	*	2.32%	77
P6A	12"	*	1.48%	48
P7A	12"	*	1.0%	57
P8A	12"	*	1.35%	114
P9A	12"	*	1.19%	57
P10A	12"	HP	1.67%	123

* HD STORM PIPE UNLESS NOTED OTHERWISE.

STORM DRAIN PIPES TO CAMPBELL ST. OUTLET

PIPE	SIZE (in)	TYPE	SLOPE	LENGTH (ft)
P1B	12"	*	0.93%	13
P2B	12"	*	0.99%	11
P3B	12"	*	1.00%	27
P4B	12"	*	0.90%	26
P5B	12"	*	0.90%	87
P6B	12"	*	1.28%	10
P7B	12"	*	0.90%	35
P8B	12"	*	1.18%	30
P9B	12"	*	0.91%	17
P10B	12"	*	0.91%	27
P11B	12"	*	0.91%	13
P12B	12"	*	0.91%	55
P13B	12"	*	0.94%	5

* HD STORM PIPE UNLESS NOTED OTHERWISE.

STORM JUNCTION ELEVATION SCHEDULE

JUNCTION NAME	RIM	NORTH INV.	SOUTH INV.	WEST INV.	EAST INV.
JB-1	44.00	41.47	41.68	41.52	
JB-2	44.75	42.36	42.31		
DI-1	45.60	42.45	42.50	42.55	
DI-2	46.15		43.00		
DI-3	45.45	42.69	42.74	42.80	
DI-4	46.52	42.56	43.00		
DI-5	45.95	43.07		43.12	
DI-6	47.30	43.67	43.62		
DI-7	46.80	43.72			
DI-8	44.70	41.79	41.84		
DI-9	45.80	42.11		42.16	
DI-10	45.80		42.51		
YD-1	45.70		44.49	44.49	
YD-2	45.70		44.60	44.60	

LEGEND

- 54 - - EXIST. CONTOURS
- 54 - - PROPOSED CONTOURS
- x 28.10 EXIST. SPOT ELEVATION
- x 55.8 PROPOSED SPOT ELEVATION (FE-FINISHED ELEVATION, UNLESS NOTED OTHERWISE)
- TW TOP OF WALK
- BC BOTTOM OF CURB/CONCRETE
- FE FINISHED ELEVATION
- HP HIGH POINT
- INV INVERT
- SD STORM DRAIN
- RD STORM DRAIN
- F.F.E. FINISH FLOOR ELEVATION
- C.O. CLEAN OUT
- DI DROP INLET
- JB JUNCTION BOX
- DIRECTION OF SLOPE
- - - LIMIT OF DISTURBANCE
- - - TEMPORARY INLET PROTECTION
- - - TEMPORARY SILT FENCE
- - - TELEPHONE/DATA CONDUITS

GRADING, EROSION CONTROL, AND STORMWATER PLAN
SCALE: 1" = 20'
GRAPHIC SCALE in feet: 1 inch = 20 ft.

RED CROSS ST.
66' PUBLIC RIGHT-OF-WAY
PER M.B. 62, PG. 105

hra
H R ASSOCIATES PA
ARCHITECTURE
PLANNING
INTERIOR DESIGN
2202 WRIGHTSVILLE AVENUE
SUITE 212
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T. 910.343.6008
F. 910.343.8761

PROJECT ARCHITECT
JOHN W. FARABOW, JR. AIA
PROJECT MANAGER
D. CRISER
CHECKED BY
D. CRISER
DRAWN BY
H. LEONARD

ISSUE DATE

4/21/2011	PRELIMINARY DESIGN/APPROVAL
6/12/2011	CITY/TRC SUBMITTAL
6/12/2011	30% PERMIT/CONSTRUCTION SET
7/28/2011	TRC 1ST REVIEW RE-SUBMITTAL
8/1/2011	95% REVIEW SET
1/9/2018	PERMIT/CONSTRUCTION SET
3/6/2018	PERMIT/CONSTRUCTION SET
4/6/2018	PERMIT/CONSTRUCTION SET

REVISIONS

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PROJECT NUMBER
186716.03
DRAWING NUMBER
GRADING, EROSION CONTROL, AND STORMWATER PLAN

C3
8 JANUARY 2018
© 2018 by H R Associates, P.A.

N/F
PARCEL ID: R04716-007-003-000
CAPE FEAR COMMUNITY COLLEGE
D.B. 5872, PG. 1704
ZONE: CBD
USE: GOVERNMENT

N/F
PARCEL ID: R04813-017-002-000
NC DEPARTMENT OF TRANSPORTATION
D.B. 5185, PG. 2462
ZONE: CBD
USE: UNUSED LAND

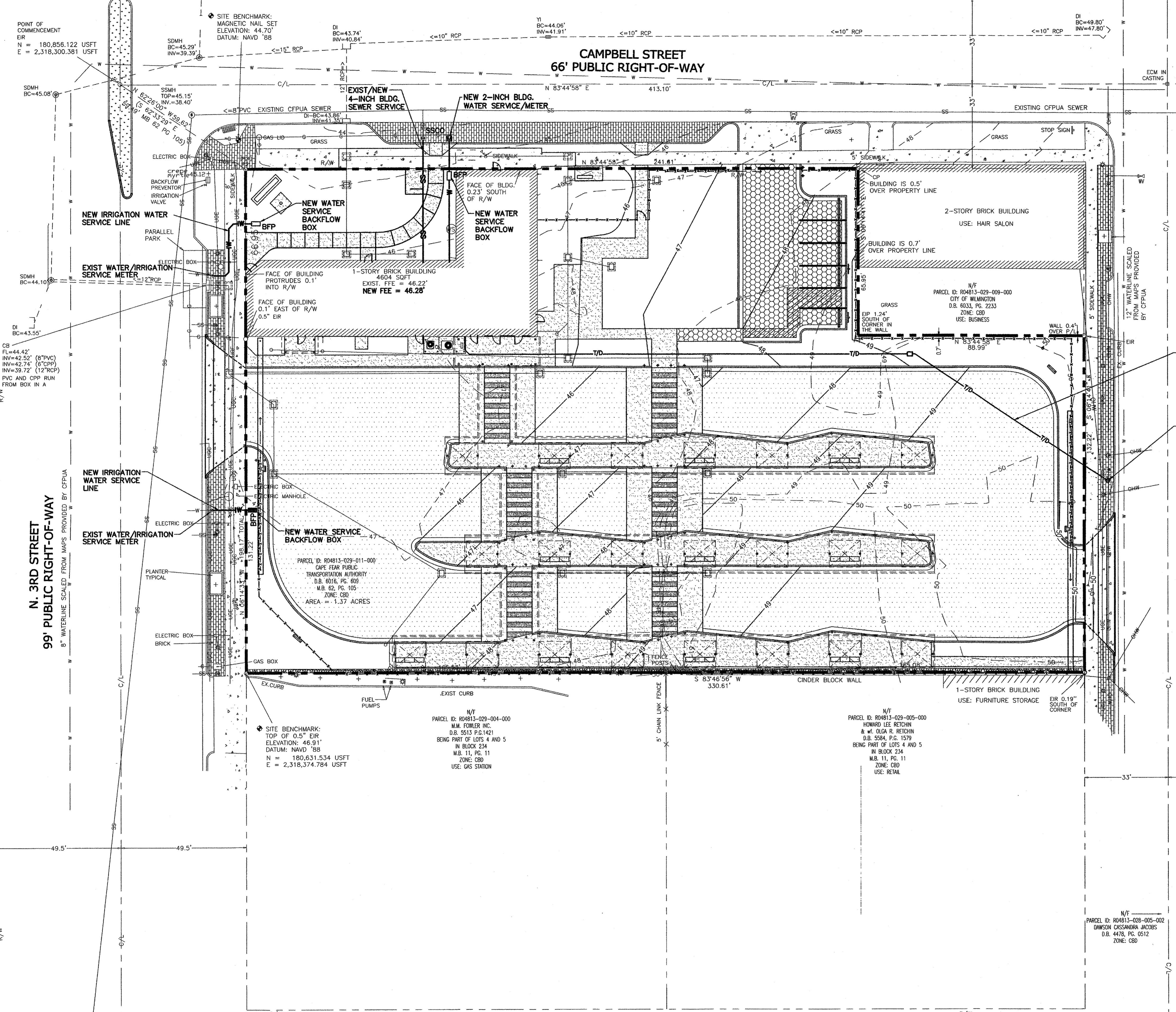
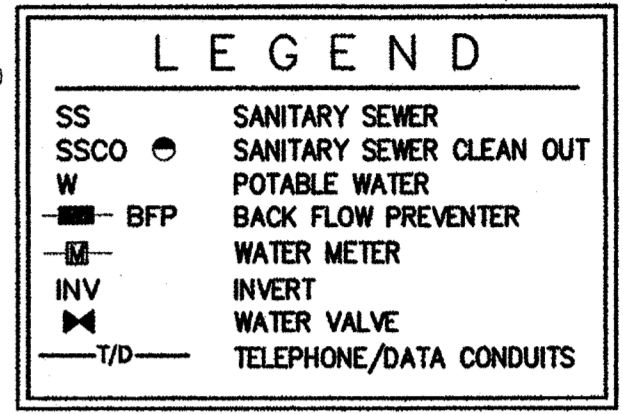
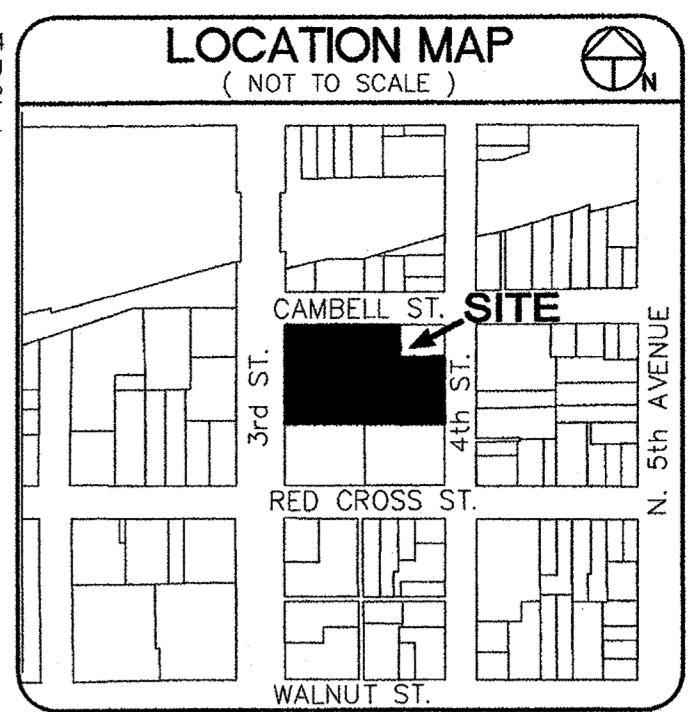
N/F
PARCEL ID: R04813-017-003-000
NC DEPARTMENT OF TRANSPORTATION
D.B. 5185, PG. 2462
ZONE: CBD
USE: UNUSED LAND

N/F
PARCEL ID: R04813-017-004-000
NC DEPARTMENT OF TRANSPORTATION
D.B. 5185, PG. 21
ZONE: CBD
USE: UNUSED LAND

N/F
PARCEL ID: R04813-017-005-000
NC DEPARTMENT OF TRANSPORTATION
D.B. 5313, PG. 21
ZONE: CBD
USE: UNUSED LAND

N/F
PARCEL ID: R04813-017-007-000
NC DEPARTMENT OF TRANSPORTATION
D.B. 5158, PG. 978
ZONE: CBD
USE: BUSINESS

N/F
PARCEL ID: R04813-014
WILMINGTON FIREHOUS
D.B. 5179, PG. 2
ZONE: CBD



THREE (3) 3-INCH DIA. PVC UNDERGROUND CONCRETE ENCASED TELEPHONE/DATA CONDUITS (W/PULL STRINGS) FOR OWNER USE. CONDUITS ARE TO BE 9-INCHES ON CENTER HORIZONTALLY WITH 3-INCH CONCRETE (3,000 PSI GROUT MIX) ENCASEMENT. CONDUITS ARE TO BE TERMINATED/CAPPED AT THE ELECTRICAL ROOM FLOOR & AT THE BASE OF THE EXISTING AT&T UTILITY POLE AT 4TH STREET. SEE ELECTRICAL.

NEW UTILITY POLE - SEE ELECTRICAL FOR EXACT LOCATION

N. 4TH STREET
66' PUBLIC RIGHT-OF-WAY

N/F
PARCEL ID: R04813-028-019-000
NORTHSHORE PROGRESS LLC
D.B. 5488, PG. 1163
ZONE: CBD

City of Wilmington logo and stamp: APPROVED STORMWATER MANAGEMENT PLAN, Date: 4/19/19, Permit # 2018018, Signed: [Signature]

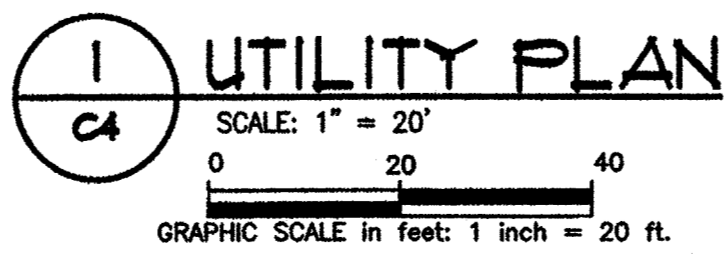
Approved Construction Plan stamp: Name: [Name], Date: 4-18-18, Planning: [Signature], Traffic: [Signature], Fire: [Signature]

SURVEY BY: PORT CITY LAND SURVEYING, PLLC
ENTITLED: ALTA/ACSM LAND TITLE SURVEY FOR CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY
DATED: MARCH 13, 2017

OWNER / DEVELOPER / APPLICANT
CAPE FEAR PUBLIC TRANSIT AUTHORITY (CFPTA)
ADDRESS:
P.O. BOX 12630
WILMINGTON, NORTH CAROLINA 28405-0130
PH: 910-343-0106
Fax 910-772-7942
Email: wavetransit@wavetransit.com

Logo for Criser Troutman Tanner Consulting Engineers Inc. with contact information: 3809 Peachtree Ave., Suite 102, Wilmington, NC 28403, 910.397.2929 Ph, 910.397.2971 Fax, www.ctengineering.com, Firm License Number: F-0113, 7947.00

RED CROSS ST.
66' PUBLIC RIGHT-OF-WAY



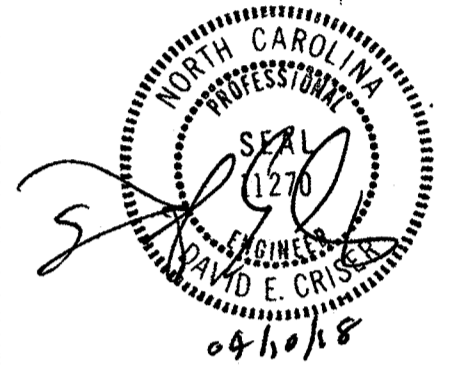
NOTE:
EXISTING SEWER IN CAMPBELL STREET IS CFPWA.

WATER AND SEWER CAPACITY NEEDS
WATER: 400 PASSENGER @ 5GPD/PASSENGER = 2,000 GPD
SEWER: 400 PASSENGER @ 5GPD/PASSENGER = 2,000 GPD

PER M.B. 62, PG. 105

CFPTA 3RD STREET TRANSIT STATION - 520 N. 3RD STREET - WILMINGTON, NORTH CAROLINA

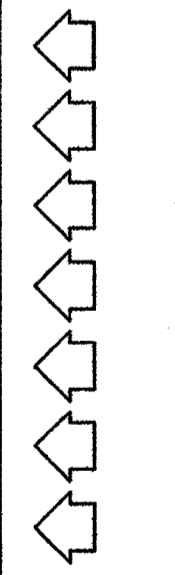
hra
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WILMINGTON, NC 28403
T. 910.343.6008
F. 910.343.8761



PROJECT ARCHITECT
JOHN W. FARABOW, JR. AIA
PROJECT MANAGER
D. CRISER
CHECKED BY
D. CRISER
DRAWN BY
H. LEONARD

ISSUE DATE table with columns for date and description of revisions.

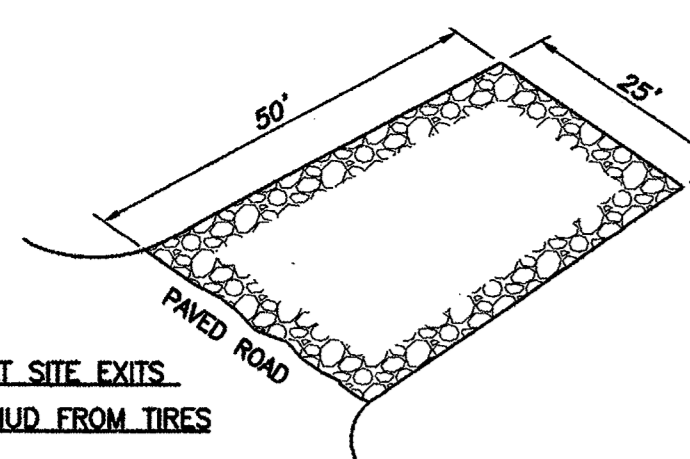
REVISIONS



PROJECT NUMBER
186716.03

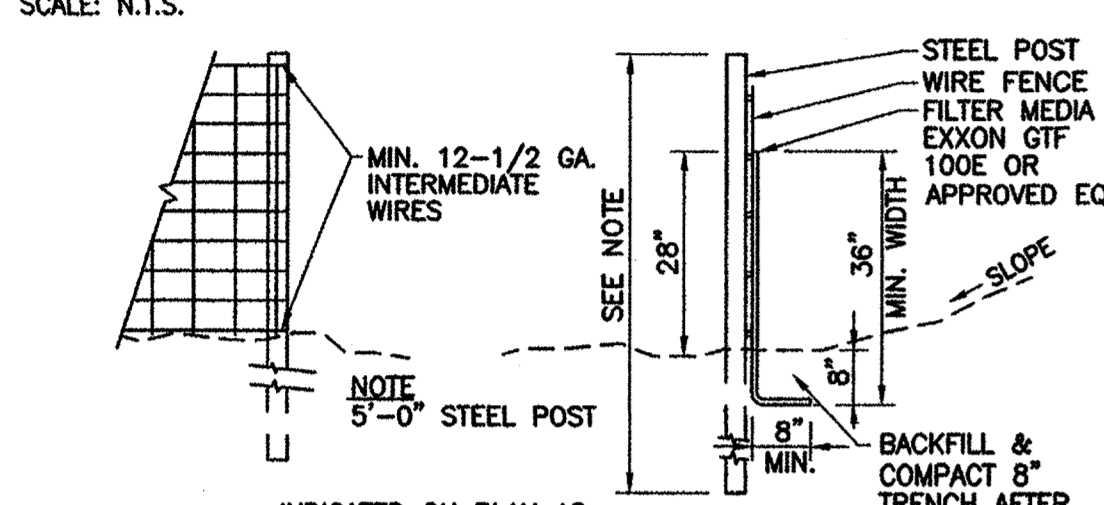
DRAWING NUMBER
UTILITY PLAN

C4



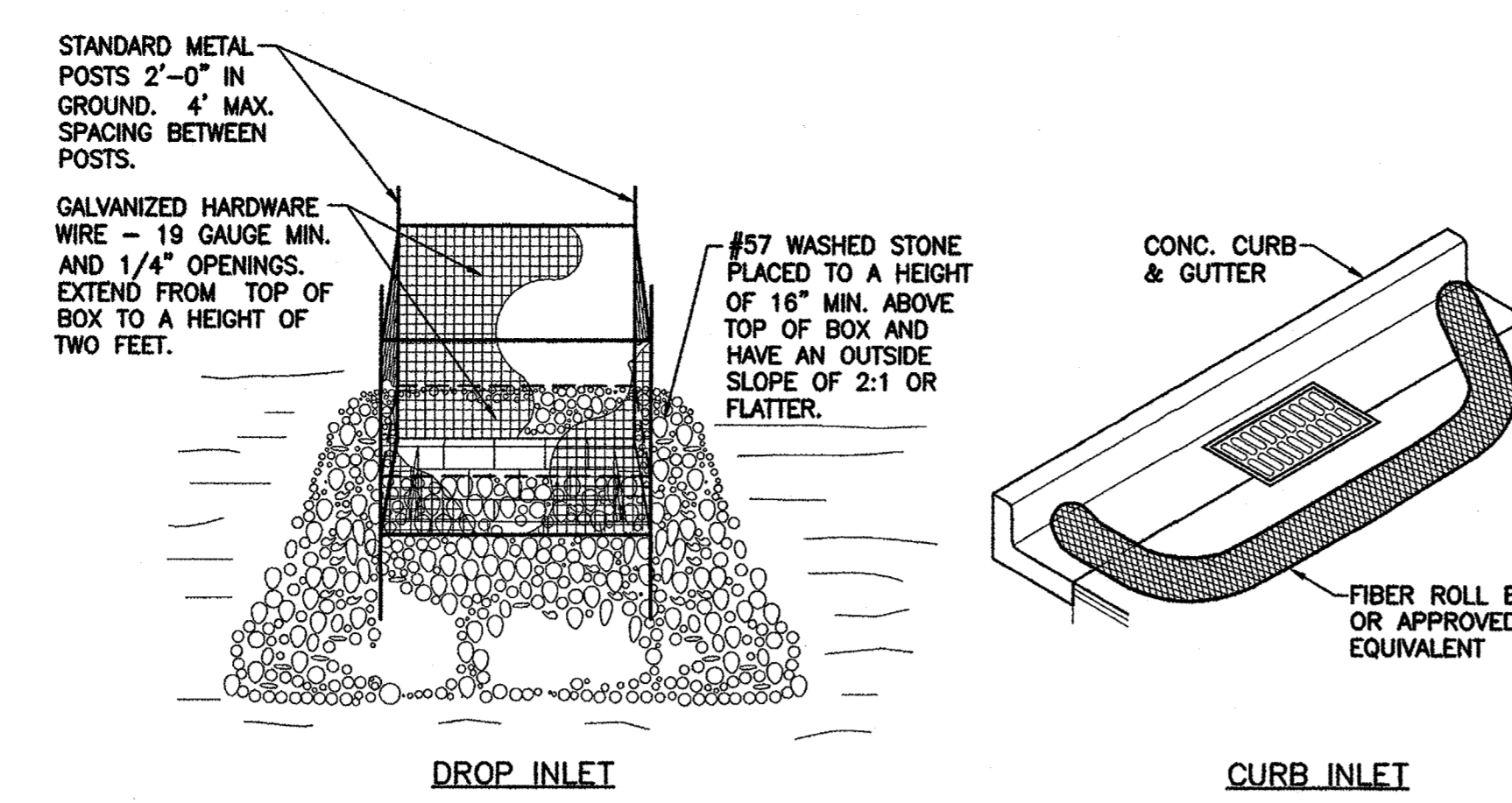
- STONE PAD AT SITE EXITS**
TO REMOVE MUD FROM TIRES
- NOTES:
1. STONE SHALL BE #4 WASHED STONE (6" THICK)
2. THE ENTRANCE SHALL BE MAINTAINED TO PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
3. WHEN NECESSARY WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WASHING SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT CONTROLLING STRUCTURE. USE SAND BAGS, GRAVEL, BOARDS OR OTHER APPROVED METHODS TO PREVENT SEDIMENT FROM ENTERING ANY STORM DRAIN, DITCH, OR WATER-COURSE.
4. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.

TEMPORARY CONSTRUCTION ENTRANCE
SCALE: N.T.S.

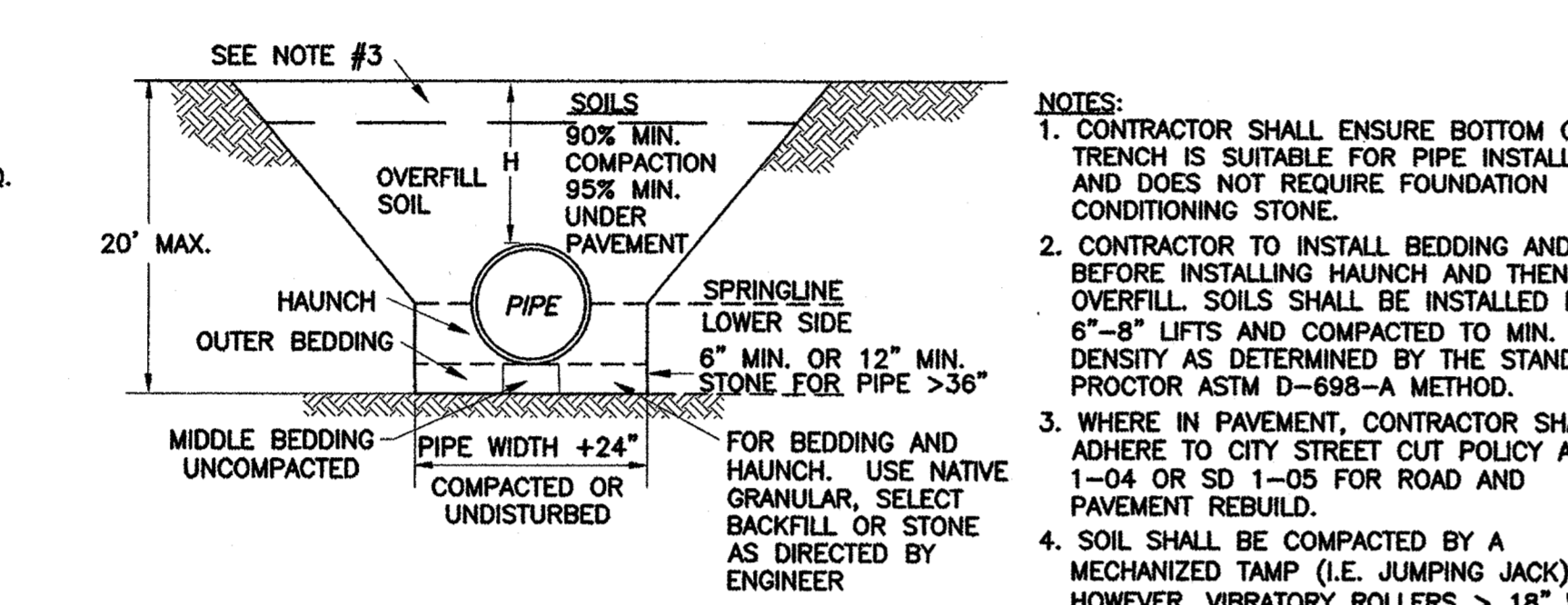


- NOTES:
1. WIRE FENCE SHALL BE A MIN. OF 32" IN WIDTH AND SHALL HAVE A MIN. OF SIX LINE WIRES WITH 12" STAY SPACING.
2. FILTER FABRIC SHALL MEET OR EXCEED 150 LBS. GRAB TENSILE (ASTM-D-1682), 180 PSI. BURST (ASTM-D-2263) AND 70 ON COE E.O.S. TEST.
3. STEEL POST SHALL BE 5'-0" IN HEIGHT AND BE OF THE SELF-FASTENER TYPE.
4. STEEL POSTS FOR SILT FENCE SHALL BE NO WIDER THAN 8' APART O.C. WITH WIRE BACKING.
5. CONTRACTOR TO FIELD LOCATE AS NECESSARY TO CONTROL SURFACE EROSION.

TEMPORARY SILT FENCE
SCALE: N.T.S.



INLET SEDIMENT CONTROL
SCALE: N.T.S.



PIPE TRENCH DETAIL
SCALE: N.T.S.
(CITY OF WILMINGTON DETAIL SD 1-07 DATED: MAY, 2013)

TEMPORARY SEEDING SPECIFICATIONS

LATE WINTER AND EARLY SPRING (FROM NC EROSION & SEDIMENT CONTROL DESIGN MANUAL - TABLE 6.10A)

SEEDING MIXTURE SPECIES ¹	RATE (LB./ACRE)	(LB/1000 FT ²)
RYE (GRAIN)	120	2.75
ANNUAL LESPEDEZA (KOBE IN PIEDMONT AND COASTAL PLAIN, KOREAN IN MOUNTAINS)	50	1.15

OMIT ANNUAL LESPEDEZA WHEN DURATION OF TEMPORARY COVER IS NOT TO EXTEND BEYOND JUNE.

SEEDING DATES:
MOUNTAINS ----- ABOVE 2500 FEET: FEB. 15 - MAY 15 BELOW 2500 FEET: FEB. 1 - MAY 1
PIEDMONT ----- JAN. 1 - MAY 1
COASTAL PLAIN ----- DEC. 1 - APR. 15

SOIL AMENDMENTS:
APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS, OR APPLY 2,000 LB/ACRE (45.9 LB/1000 SQ FT) GROUND AGRICULTURAL LIMESTONE (USE THE LOWER RATE ON SANDY SOILS) AND 750 LB/ACRE (17.2 LB/1000 SQ FT) 10-10-10 FERTILIZER.

MULCH:
APPLY 4,000 LB/ACRE (91.83 LB/1000 SQ FT) STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE:
REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE, AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

SUMMER (FROM NC EROSION & SEDIMENT CONTROL DESIGN MANUAL - TABLE 6.10B)

SEEDING MIXTURE SPECIES ¹	RATE (LB./ACRE)	(LB/1000 FT ²)
GERMAN MILLET	40	0.92

IN THE PIEDMONT AND MOUNTAINS, A SMALL-STEMMED SUDAGRASS MAY BE SUBSTITUTED AT A RATE OF 50 LB/ACRE.

SEEDING DATES:
MOUNTAINS ----- MAY 15 - AUG. 15
PIEDMONT ----- MAY 1 - AUG. 15
COASTAL PLAIN ----- APR. 15 - AUG. 15

SOIL AMENDMENTS:
FOLLOW RECOMMENDATIONS OF SOIL TEST OR APPLY 2,000 LB/ACRE (45.9 LB/1000 SQ FT) GROUND AGRICULTURAL LIMESTONE AND 750 LB/ACRE (17.2 LB/1000 SQ FT) 10-10-10 FERTILIZER.

MULCH:
APPLY 4,000 LB/ACRE (91.83 LB/1000 SQ FT) STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE:
REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE, AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

FALL (FROM NC EROSION & SEDIMENT CONTROL DESIGN MANUAL - TABLE 6.10C)

SEEDING MIXTURE SPECIES ¹	RATE (LB./ACRE)	(LB/1000 FT ²)
RYE (GRAIN)	120	2.75

SEEDING DATES:
MOUNTAINS ----- AUG. 15 - DEC. 15
PIEDMONT ----- AUG. 15 - DEC. 30

SOIL AMENDMENTS:
FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/ACRE (45.9 LB/1000 SQ FT) GROUND AGRICULTURAL LIMESTONE AND 1,000 LB/ACRE (22.9 LB/1000 SQ FT) 10-10-10 FERTILIZER.

MULCH:
APPLY 4,000 LB/ACRE (91.83 LB/1000 SQ FT) STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE:
REPAIR AND REFERTILIZE DAMAGED AREAS IMMEDIATELY. TOPDRESS WITH 50 LB/ACRE (1.15 LB/1000 SQ FT) OF NITROGEN IN MARCH. IF IT IS NECESSARY TO EXTEND TEMPORARY COVER BEYOND JUNE 15, OVERSEED WITH 50 LB/ACRE (1.15 LB/1000 SQ FT) KOBE (PIEDMONT AND COASTAL PLAIN) OR KOREAN (MOUNTAINS) LESPEDEZA IN LATE FEBRUARY OR EARLY MARCH.

- CONSTRUCTION SEQUENCE:**
- INSTALL GRAVEL CONSTRUCTION ENTRANCE ON 3RD STREET, AND SILT FENCE AND INLET PROTECTION ON 3RD STREET & CAMPBELL STREET.
 - BEGIN CLEARING OPERATIONS.
 - BEGIN CLEARING AND GRADING OPERATIONS TO CONSTRUCT THE INFILTRATION BASIN.
 - INSTALL STORM DRAIN LINES AND INLET PROTECTION. INSTALL THEM IN THE SAME EFFORT TO MINIMIZE SEDIMENT FROM ENTERING PIPES.
 - COMMENCE GRADING OPERATIONS FOR PARKING AND CURB AND GUTTERS.
 - STABILIZE ALL DISTURBED AREAS AS SOON AS FINAL GRADES ARE ESTABLISHED.
 - INSTALL SITE WORK.
 - TOWARDS COMPLETION OF GRADING OPERATIONS AND SITE WORK, REMOVE ACCUMULATED SEDIMENT FROM TEMPORARY SEDIMENT TRAPS.
 - FINISH TO PLAN GRADES.
 - REMOVE TEMPORARY CONTROL DEVICES (SILT FENCE, ETC.) ONCE PERMANENT VEGETATIVE COVER IS ESTABLISHED.
- GRADING NOTES:**
- INITIATE CONSTRUCTION SEQUENCE BEFORE BEGINNING CLEARING AND GRADING OPERATIONS.
 - CLEAR AREAS TO BE GRADED OF ALL VEGETATION. PROTECT VEGETATION BEYOND GRADING LIMITS.
 - STRIP TOPSOIL TO FULL AREAS TO BE GRADED AND STOCKPILE OR REMOVE FROM SITE.
 - COMPACT ALL FILL AREAS TO 95% OF MAXIMUM DENSITY.
 - ALL BANKS AND SWALE SIDE SLOPES SHALL BE GRADED WITH NO STEEPER THAN 3:1 SLOPES.
 - PROPOSED SPOT ELEVATIONS ARE SHOWN AT FINISHED GRADE.
 - OPERATOR SHALL VERIFY EXISTING TOPOGRAPHY IN RELATION TO THE PROPOSED GRADES TO ENSURE DRAINAGE IN THE DIRECTIONS INDICATED ON THE PLAN.
- EROSION CONTROL:**
- ANY GRADING BEYOND THE DENUDED LIMITS SHOWN ON THE PLAN IS A VIOLATION AND IS SUBJECT TO A FINE.
 - ADDITIONAL DEVICES MAY BE REQUIRED AS AGREED UPON BY FIELD INSPECTOR, ENGINEER, AND OWNER.

Site Area Description	Stabilization	Timeframe Exceptions
Perimeter dikes, swales, ditches, and slopes	7 days	None
High Quality Water (HQW) Zones	7 days	None
Slopes steeper than 3:1	7 days	If slopes are 10' or less in length & are not steeper than 2:1, 14 days are allowed.
Slopes 3:1 or flatter	14 days	7 days for slopes greater than 50' in length.
All other areas with slopes flatter than 4:1	14 days	None, except for perimeters and HQW Zones.

- GENERAL EROSION CONTROL MAINTENANCE PLAN:**
- ALL EROSION AND SEDIMENT CONTROL PRACTICES, INCLUDING BUT NOT LIMITED TO BASINS, SILT FENCE, & CONSTRUCTION ENTRANCES, WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RAINFALL-PRODUCING RAINFALL BUT IN NO CASE LESS THAN ONCE EVERY WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED.
 - SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE AND INLET PROTECTION FENCE WHEN IT BECOMES ABOUT 0.5 FEET DEEP AT THE FENCE. THE SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER.
 - ALL SEEDED AREAS WILL BE FERTILIZED, RESEED AS NECESSARY, AND MULCHED ACCORDING TO SPECIFICATIONS IN THE VEGETATIVE PLAN TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER.
 - CONSTRUCTION ENTRANCE TO BE CLEANED WHEN SEDIMENT ACCUMULATIONS ARE VISIBLE OR SEDIMENT IS DEPOSITED ON THE ASPHALT AND STONE WILL BE PERIODICALLY TOP DRESSED WITH 2 INCHES OF #4 STONE TO MAINTAIN 6" DEPTH.
- SITE NOTES:**
- THE CONTRACTOR SHALL VISIT THE SITE TO FAMILIARIZE THEMSELVES WITH FIELD CONSTRUCTION CONDITIONS.
 - BORROW MATERIAL: ALL BORROWED MATERIAL MUST COME FROM A LEGALLY OPERATED MINE OR OTHER SOURCE APPROVED BY THE STATE.
 - CLEARED, GRUBBED, STRIPPED, OR EXCAVATED SPOIL SHALL BE REMOVED FROM THE SITE OR USED IN LANDSCAPED ISLANDS.

PERMANENT SEEDING SPECIFICATIONS

FALL AND EARLY SPRING (FROM NC EROSION & SEDIMENT CONTROL DESIGN MANUAL - TABLE 6.11P)

SEEDING MIXTURE SPECIES ¹	RATE (LB./ACRE)	(LB/1000 FT ²)
TALL FESCUE	80	1.84
PENSACOLA BAHIAGRASS	50	1.15
SERICAIA LESPEDEZA	80	0.69
KOBE LESPEDEZA	10	0.23

SEEDING NOTES:
1. FROM SEPT. 1 - MAR. 1, USE UNSCARIFIED SERICEIA SEED.
2. ON POORLY DRAINED SITES, OMIT SERICEIA AND INCREASE KOBE TO 30 LB/ACRE.
3. WHERE A NEAT APPEARANCE IS DESIRED, OMIT SERICEIA AND INCREASE KOBE TO 40 LB/ACRE.

NURSE PLANTS:
BETWEEN APR. 15 AND AUG. 15, ADD 10 LB/ACRE GERMAN MILLET OR 15 LB/ACRE SUDAGRASS. PRIOR TO MAY 1 OR AFTER AUG. 15, ADD 25 LB/ACRE RYE (GRAIN).

SEEDING DATES:
EARLY SPRING: FEB. 15 - MAR. 20 POSSIBLE FEB. 15 - APR. 30
FALL: SEPT. 1 - SEPT. 30 SEPT. 1 - OCT. 31

SOIL AMENDMENTS:
APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS, OR APPLY 3,000-5,000 LB/ACRE (68.9-114.8 LB/1000 SQ FT) GROUND AGRICULTURAL LIMESTONE (USE THE LOWER RATE ON SANDY SOILS) AND 1,000 LB/ACRE (22.9 LB/1000 SQ FT) 10-10-10 FERTILIZER.

MULCH:
APPLY 4,000 LB/ACRE (91.83 LB/1000 SQ FT) GRAIN STRAW OR EQUIVALENT COVER OF ANOTHER SUITABLE MULCH ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, ROVING, OR BY CRIMPING WITH A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE:
IF GROWTH IS LESS THAN FULLY ADEQUATE, REFERTILIZE IN THE SECOND YEAR, ACCORDING TO SOIL TESTS OR TOPDRESS WITH 500 LB/ACRE (11.5 LB/1000 SQ FT) 10-10-10 FERTILIZER. MOW AS NEEDED WHEN SERICEIA IS OMITTED FROM THE MIXTURE. RESEED, FERTILIZE, AND MULCH DAMAGED AREAS IMMEDIATELY.

¹ REFER TO APPENDIX 8.02 FOR BOTANICAL NAMES.

LATE SPRING AND EARLY SUMMER (FROM NC EROSION & SEDIMENT CONTROL DESIGN MANUAL - TABLE 6.11T)

SEEDING MIXTURE SPECIES ¹	RATE (LB./ACRE)	(LB/1000 FT ²)
PENSACOLA BAHIAGRASS	50	1.15
SERICAIA LESPEDEZA	30	1.69
COMMON BERMUDAGRASS	10	0.23
GERMAN MILLET	10	0.23

SEEDING NOTES:
1. WHERE A NEAT APPEARANCE IS DESIRED, OMIT SERICEIA.
2. USE A COMMON BERMUDAGRASS ONLY ON ISOLATED SITES WHERE IT CANNOT BECOME A PEST. BERMUDAGRASS MAY BE REPLACED WITH 5 LB/ACRE CENTIPEDEGRASS.

SEEDING DATES:
APRIL 1 - JULY 15

SOIL AMENDMENTS:
APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS, OR APPLY 3,000 LB/ACRE (68.9/1000 SF FT) GROUND AGRICULTURAL LIMESTONE AND 500 LB/ACRE (11.5/1000 SQ FT) 10-10-10 FERTILIZER.

MULCH:
APPLY 4,000 LB/ACRE (91.83 LB/1000 SQ FT) GRAIN STRAW OR EQUIVALENT COVER OF ANOTHER SUITABLE MULCH ANCHOR BY TACKING WITH ASPHALT, ROVING, NETTING, OR BY CRIMPING WITH A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE:
REFERTILIZE THE FOLLOWING APR. WITH 50 LB/ACRE (1.15 LB/1000 SQ FT) NITROGEN. REPEAT AS GROWTH REQUIRES. MAY BE MOWED ONLY ONCE A YEAR. WHERE A NEAT APPEARANCE IS DESIRED, OMIT SERICEIA AND MOW AS OFTEN AS NEEDED.

¹ REFER TO APPENDIX 8.02 FOR BOTANICAL NAMES.

- PERVIOUS CONCRETE NOTES:**
- ALL MANUFACTURER REQUIREMENTS, PRODUCT STANDARDS, INDUSTRY GUIDELINES, AND THE REQUIREMENTS OF THE LOCAL REGULATORS SHALL BE FOLLOWED TO ENSURE A LASTING EFFECTIVENESS OF THE PERVIOUS CONCRETE.
 - THE PERVIOUS CONCRETE MIX DESIGN SHALL BE IN ACCORDANCE WITH THE LATEST VERSION OF AC 522.1 SPECIFICATION FOR PERVIOUS CONCRETE.
 - CERTIFIED AND QUALIFIED CONTRACTORS IN ACCORDANCE WITH INDUSTRY STANDARD DOCUMENTS AND THE NRMCA PERVIOUS CONCRETE CONTRACTOR CERTIFICATION PROGRAM WITH SUCCESSFUL EXPERIENCE ON SIMILAR PROJECTS SHALL BE USED FOR THE INSTALLATION OF THE PERVIOUS CONCRETE. CONTRACTOR SHALL SUBMIT QUALIFICATIONS AND LIST OF PROJECTS WITH REFERENCES FOR APPROVAL PRIOR TO BEGINNING CONSTRUCTION.
 - THE SURFACE OF THE PERVIOUS CONCRETE SHALL HAVE A SLOPE OF 2.5%, THEREFORE BAFLES WILL BE REQUIRED.
 - AGGREGATE BASE MATERIALS MUST BE WASHED.
 - THE SURFACE OF THE SOIL SUBGRADE UNDER THE PERVIOUS CONCRETE SHALL BE SCARIFIED OR RIPPED IMMEDIATELY PRIOR TO AGGREGATE BASE INSTALLATION TO MAINTAIN SUBGRADE INFILTRATION RATES.
 - PERVIOUS CONCRETE SHALL NOT BE INSTALLED UNTIL THE UPSLOPE AND ADJOINING AREAS ARE STABILIZED. AFTER INSTALLATION, BARRIERS SHALL BE INSTALLED TO PREVENT CONSTRUCTION TRAFFIC FROM DRIVING ON THE PAVEMENT.
 - THE SOIL SUBGRADE SHALL BE GRADED WHEN DRY. THE AGGREGATE BASE AND PERVIOUS CONCRETE INSTALLATION SHALL BE COMPLETED AS QUICKLY AS POSSIBLE TO REDUCE RISK OF SOIL SUBGRADE COMPACTION.
 - PERVIOUS CONCRETE MAY BE PLACED ON FILL AS LONG AS THE MATERIAL IS AT LEAST AS PERMEABLE AS THE IN-SITU SOIL AFTER IT IS PLACED AND PREPARED.
 - EDGE RESTRAINTS SHALL BE PROVIDED WHERE PERVIOUS CONCRETE IS INSTALLED ADJACENT TO CONVENTIONAL ASPHALT PAVEMENT. SEE PLANS FOR LOCATIONS AND DETAILS.
 - ALL LANDSCAPE AREAS ADJACENT TO PERVIOUS CONCRETE SHALL BE GRADED TO DRAIN AWAY FROM PAVEMENT.
 - INSTALL CURB, PAVEMENT BARRIERS, AND ALL STORM DRAIN AND UTILITIES.
 - ALL CURB SURROUNDING PERVIOUS CONCRETE SHALL BE INSTALLED PRIOR TO BEGINNING EXCAVATION.
 - BARRIER BETWEEN PERVIOUS CONCRETE SHALL BE INSTALLED PRIOR TO BEGINNING EXCAVATION. EXCAVATE NEAR TO BARRIER LAST. SPECIAL CARE SHALL BE TAKEN TO INSURE THAT PAVEMENT BARRIER IS NOT DAMAGED AND REMAINS VERTICAL FOLLOWING EXCAVATION.
 - ALL UNDERGROUND PIPING AND UTILITIES ADJACENT TO PERVIOUS CONCRETE SHALL BE INSTALLED PRIOR TO BEGINNING INSTALLATION OF PERVIOUS CONCRETE.
 - ENSURE ACCEPTABLE CONDITIONS FOR CONSTRUCTION.
 - PERVIOUS SURFACES SHOULD BE GRADED SO THEY DO NOT DISCHARGE ONTO PERVIOUS PAVEMENT.
 - IMPERVIOUS AREAS THAT DRAIN TO PERVIOUS PAVEMENT SHOULD BE COMPLETED.
 - AREAS OF THE SITE ADJACENT TO THE PERVIOUS PAVEMENT ARE STABILIZED WITH VEGETATION, MULCH, STRAW, SEED, SOIL, FIBER BLANKETS, OR OTHER APPROPRIATE COVER TO PREVENT EROSION AND CONTAMINATION WITH SEDIMENTS.
 - CONSTRUCTION ACCESS TO OTHER PORTIONS OF THE SITE IS ESTABLISHED SO THAT NO CONSTRUCTION TRAFFIC PASSES THROUGH THE PERVIOUS PAVEMENT SITE DURING INSTALLATION. INSTALL BARRIERS OR FENCES AS NECESSARY.
 - THE FORECAST CALLS FOR A WINDOW OF DRY WEATHER TO PREVENT EXCESS COMPACTION OR SMearing OF THE SOIL SUBGRADE WHILE IT IS EXPOSED.
 - ALL PERVIOUS PAVEMENT AREAS ARE CLEARLY MARKED ON THE SITE.
 - EXCAVATE THE PAVEMENT AREA AND PREPARE THE SUBGRADE SURFACE.
 - EXCAVATE IN DRY SUBGRADE CONDITIONS AND AVOID EXCAVATING IMMEDIATELY AFTER STORMS WITHOUT A SUFFICIENT DRYING PERIOD.
 - DO NOT ALLOW EQUIPMENT TO CROSS THE PAVEMENT AREA AFTER EXCAVATION HAS BEGUN.
 - OPERATE EXCAVATION EQUIPMENT FROM OUTSIDE THE PAVEMENT AREA OR FROM THE UNEXCAVATED PORTIONS OF THE AREA USING AN EXCAVATION STAGING PLAN.
 - USE EQUIPMENT WITH TRACKS RATHER THAN TIRES TO MINIMIZE SOIL COMPACTION.
 - DIG THE FINAL 9 TO 12 INCHES BY USING THE TEETH OF THE EXCAVATOR BUCKET TO LOOSEN SOIL AND DO NOT SMEAR THE SUBGRADE SOIL SURFACE. FINAL GRADING OR SMOOTHING OF THE SUBGRADE SHOULD BE DONE BY HAND IF POSSIBLE.
 - REMOVE ALL TOPSOIL PRIOR TO PREPARING SUBGRADE.
 - WHERE FILL IS REQUIRED, THE SOIL PLACED MUST HAVE SIMILAR CHARACTERISTICS AND INFILTRATION RATES TO THE EXISTING SOILS. FILL SOIL MUST BE AT LEAST AS PERMEABLE AS THE IN-SITU SOIL.
 - MINIMIZE THE TIME BETWEEN EXCAVATION AND PLACEMENT OF THE AGGREGATE.
 - THE FINAL SUBGRADE SLOPE SHALL NOT EXCEED 0.5%. THE SLOPE SHALL BE CHECKED PRIOR TO PROCEEDING.
 - AFTER VERIFYING THE SUBGRADE SLOPE, SCARIFY OR RIP THE SUBGRADE SURFACE TO MAINTAIN THE PRE-DISTURBANCE INFILTRATION RATE. THIS MUST BE DONE WHILE THE SOIL IS DRY. TO SCARIFY THE SUBGRADE, USE THE TEETH OF AN EXCAVATOR BUCKET TO RAKE THE SURFACE. TO RIP THE SUBGRADE, USE A RIPPER TO MAKE PARALLEL RIPS 6-9 INCHES DEEP AT 3 FEET APART.
 - SCARIFIED OR RIPPED SUBGRADE SOIL REQUIRES SPECIAL INSPECTION TO ENSURE NO SETTLEMENT OCCURS AFTER AGGREGATE AND PAVEMENT INSTALLATION.
 - PLACE AND COMPACT AGGREGATES BASE.
 - INSPECT ALL AGGREGATES TO INSURE THEY ARE WASHED, CLEAN, FREE OF FINES, AND CONFORM TO THE PLANS AND SPECIFICATIONS. AGGREGATE CONTAMINATED WITH SEDIMENT SHALL BE PLACED WITH CLEAN MATERIAL.
 - BEFORE PLACING AGGREGATE BASE, REMOVE ANY ACCUMULATED SEDIMENT ON THE FINISHED SUBGRADE. USE LIGHT TRACKED EQUIPMENT. IF THE EXCAVATED SURFACE IS SUBJECTED TO RAINFALL BEFORE PLACEMENT OF AGGREGATE, THE RESULTING SURFACE CRUST MUST BE EXCAVATED TO AT LEAST A DEPTH OF 2 INCHES, OR RAKED OR SCARIFIED. SLOPES AND ELEVATIONS MUST BE RECHECKED TO INSURE THEY CONFORM TO THE PLANS AND SPECIFICATIONS.
 - ALL AGGREGATE SHALL BE SPREAD (NOT DUMPED) BY A FRONT-END LOADED OR FROM DUMP TRUCKS DEPOSITING FROM THE EDGE OF THE EXCAVATED AREA OR RESTING ON DEPOSITED AGGREGATED PILES.
 - MOISTEN AND SPREAD THE WASHED STONE WITHOUT DRIVING ON THE SOIL SUBGRADE.
 - FOLLOW COMPACTION RECOMMENDATIONS FROM THE PERVIOUS CONCRETE SUPPLIER OR INDUSTRY GUIDELINES.
 - INSTALL PERVIOUS CONCRETE.
 - FOLLOW ALL MANUFACTURER'S RECOMMENDATIONS AND INDUSTRY GUIDELINES.
 - INSTALLER SHALL BE QUALIFIED AND HAVE EXPERIENCE INSTALLING PERVIOUS CONCRETE.

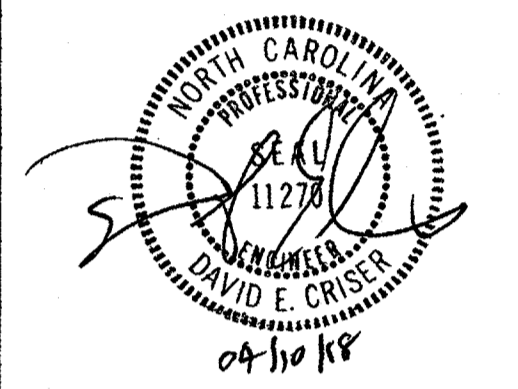
WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN
Date: 4/19/18
Signed: [Signature]

Approved Construction Plan
Name: [Name] Date: 4-18-18
Planning: [Signature] 4-18-18
Traffic: [Signature] 4-18-18
Fire: [Signature] 4-19-18

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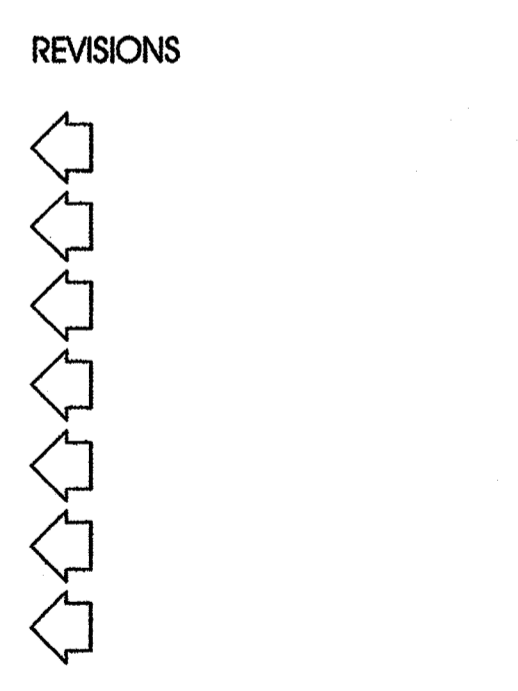
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CHECKED BY
D. CRISER
DRAWN BY
H. LEONARD

ISSUE DATE

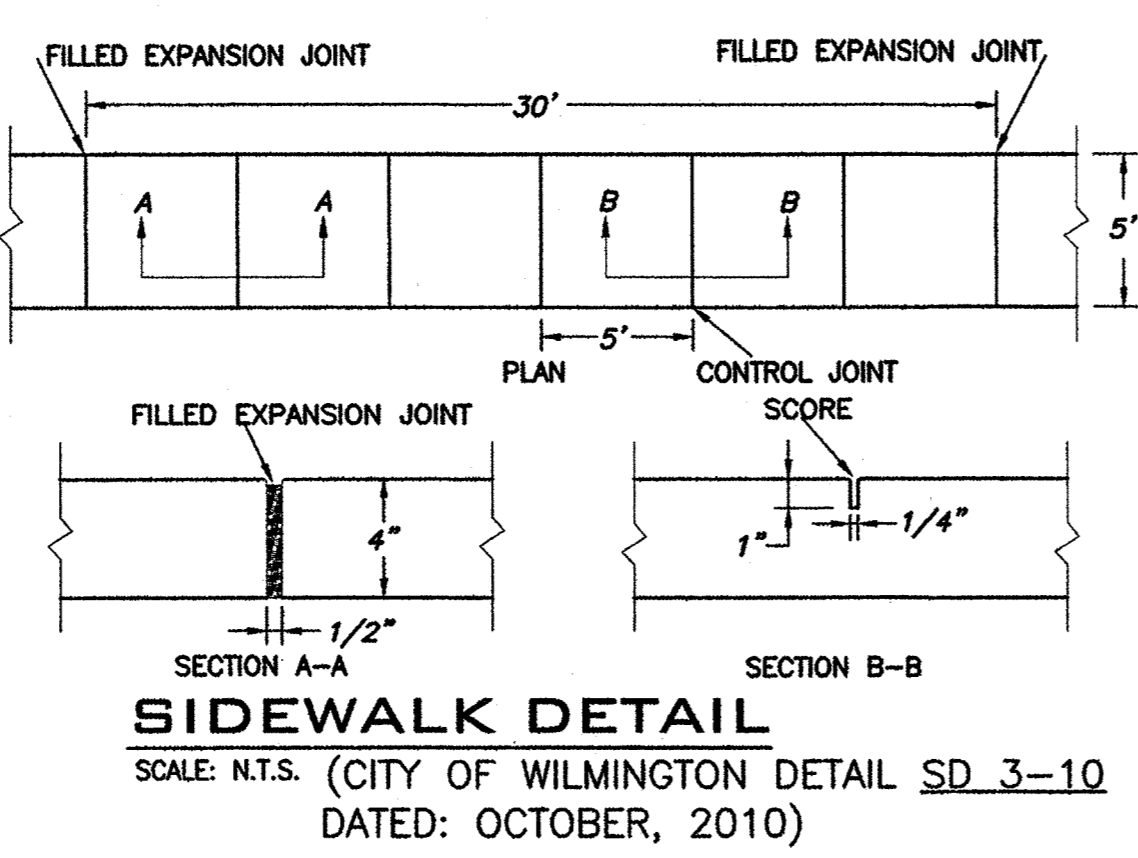
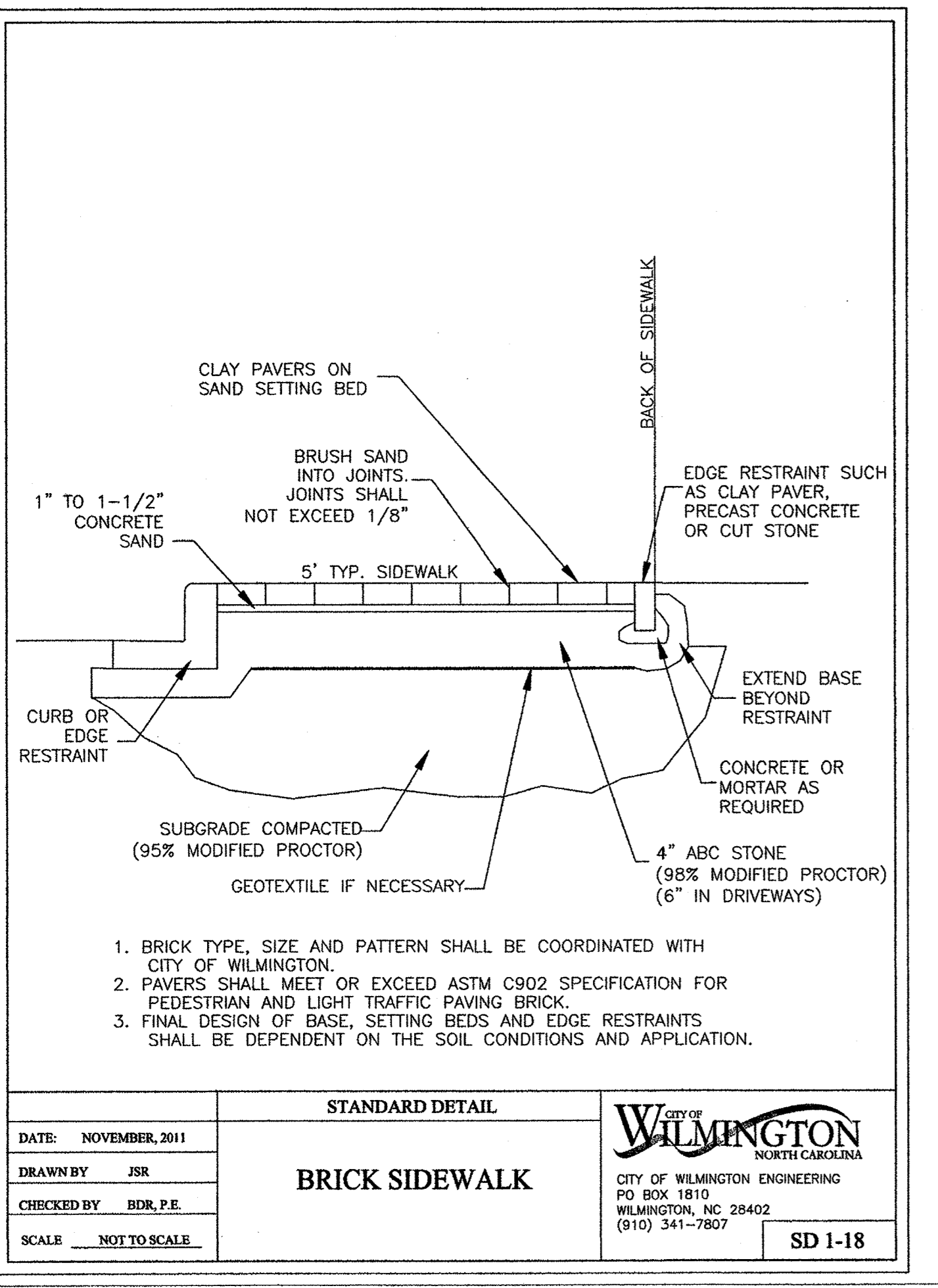
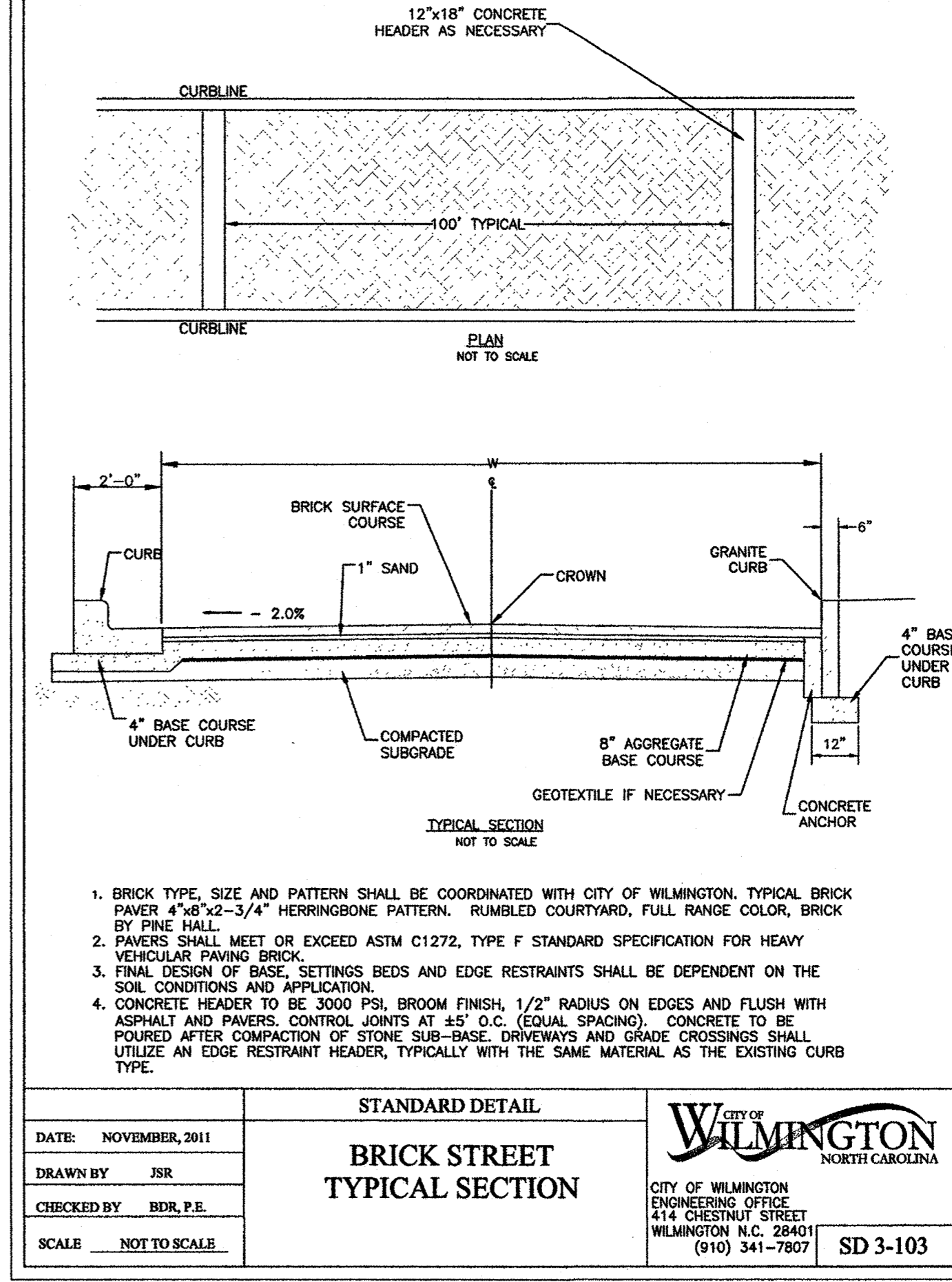
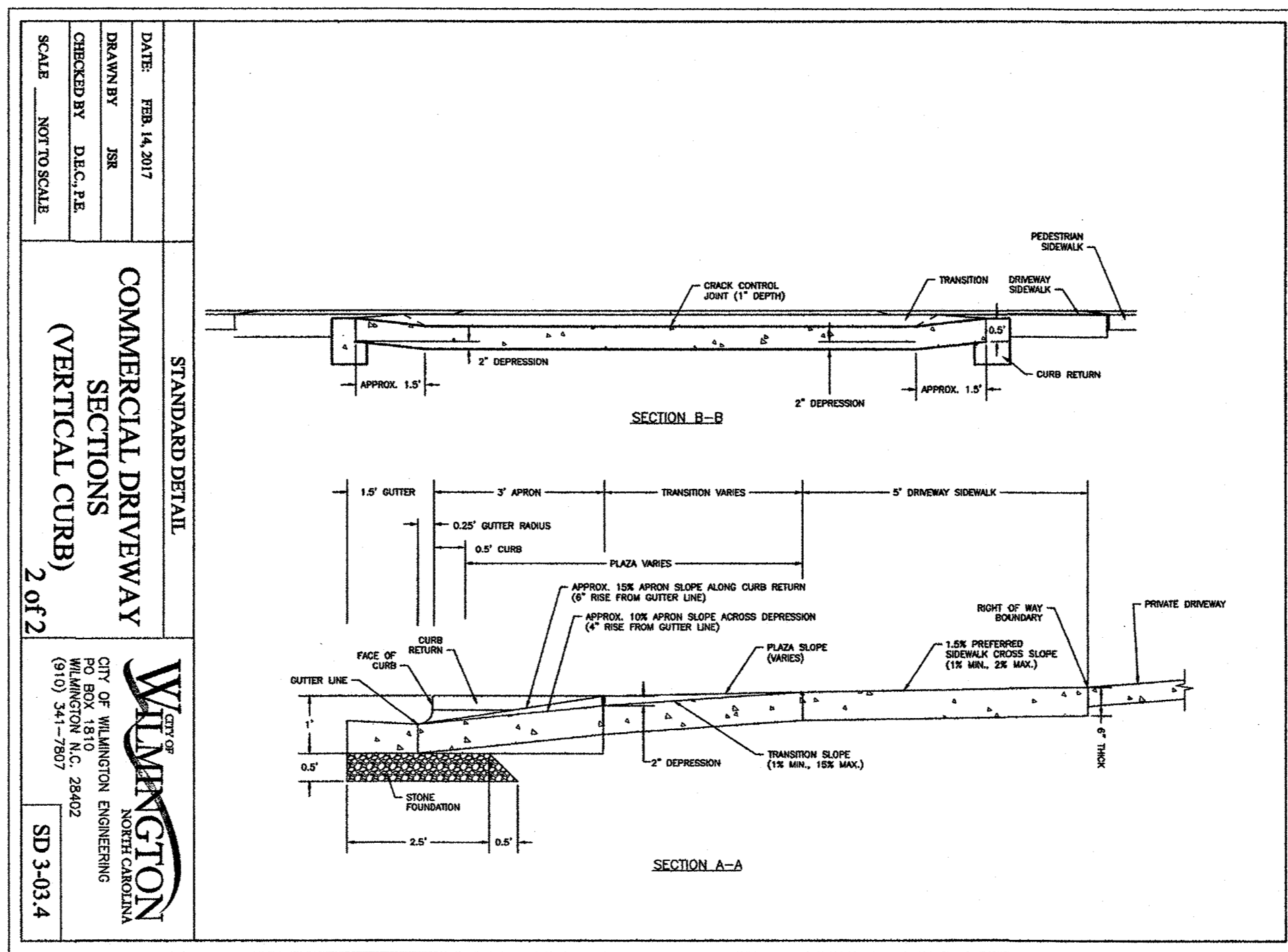
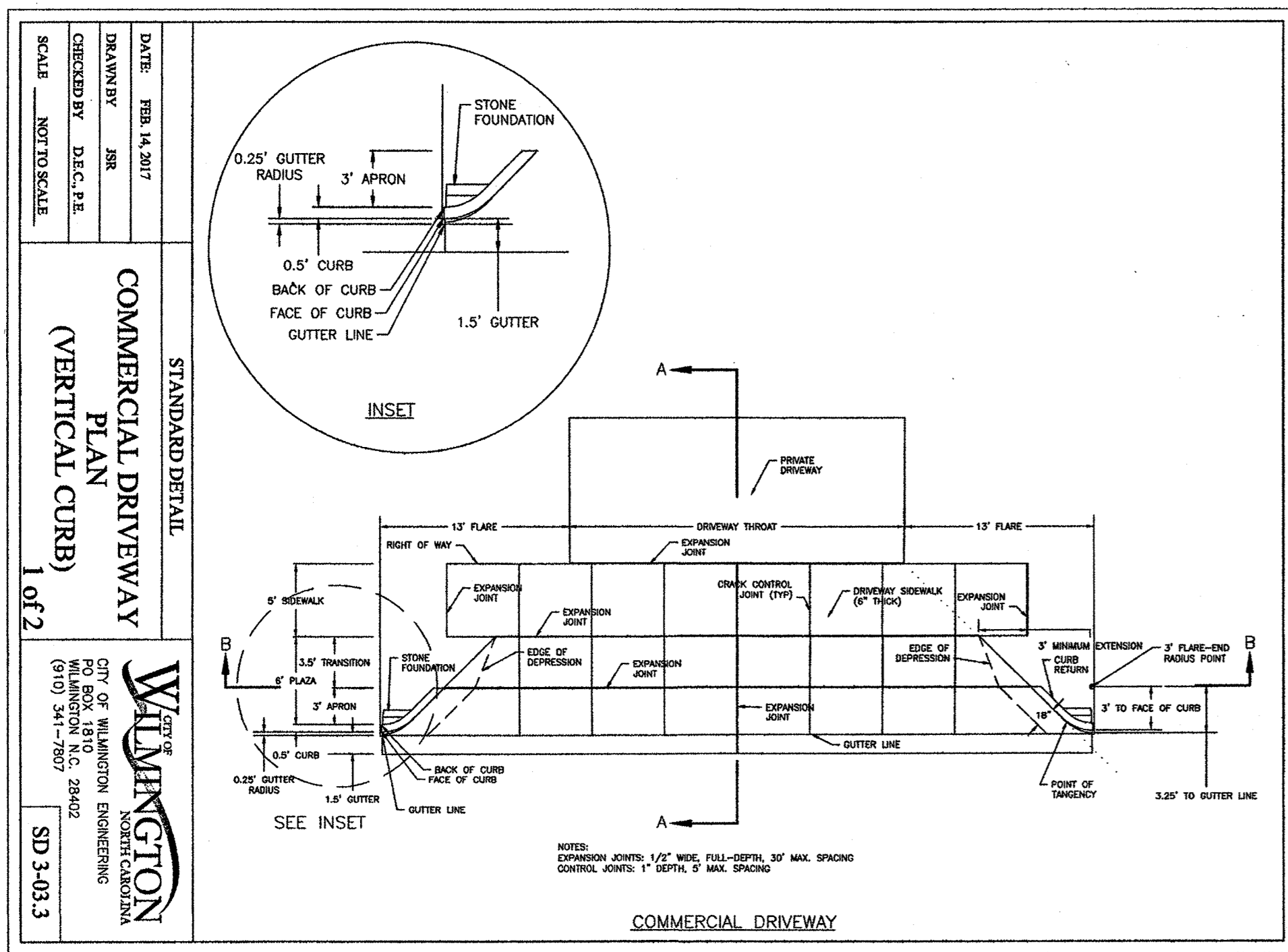
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6/2/2017	30% PERMIT/CONSTRUCTION SET
1/28/2018	TRC 1ST REVIEW RE-SUBMITTAL
6/1/2018	95% REVIEW SET
1/28/2018	PERMIT/CONSTRUCTION SET
3/16/2018	PERMIT/CONSTRUCTION SET
4/16/2018	PERMIT/CONSTRUCTION SET



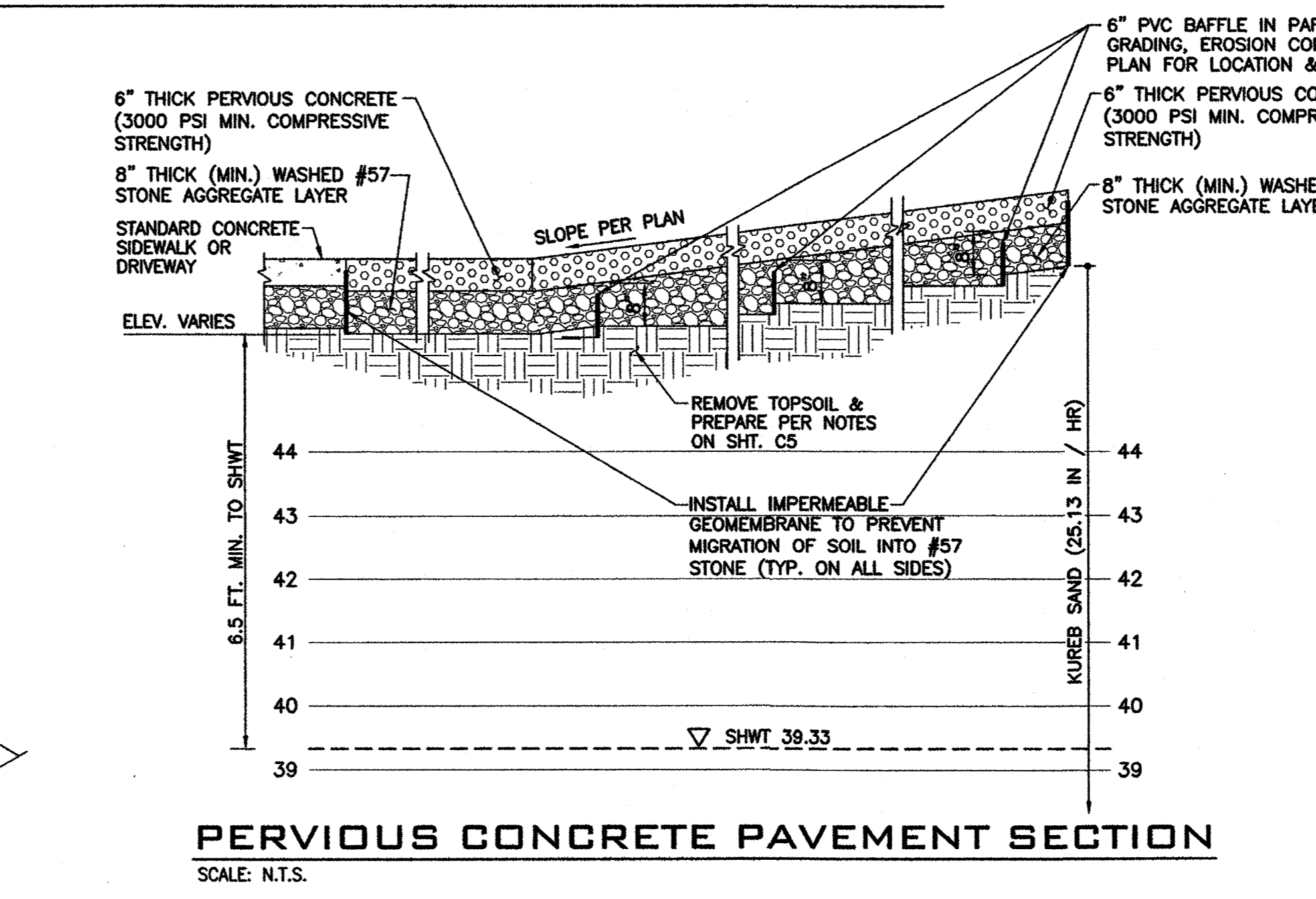
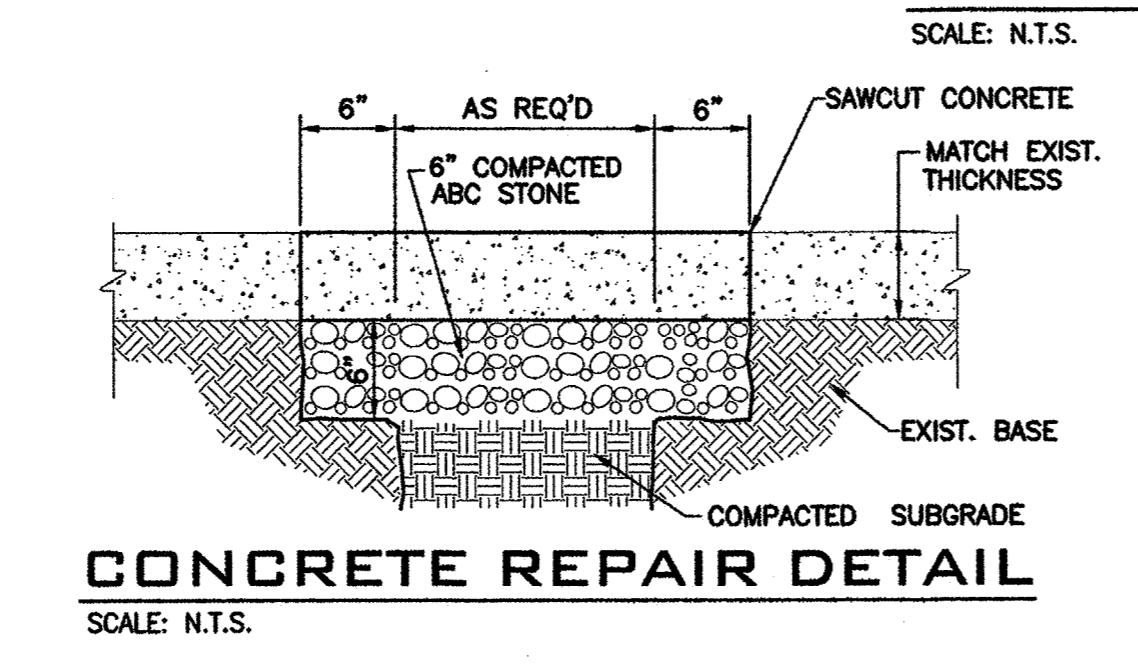
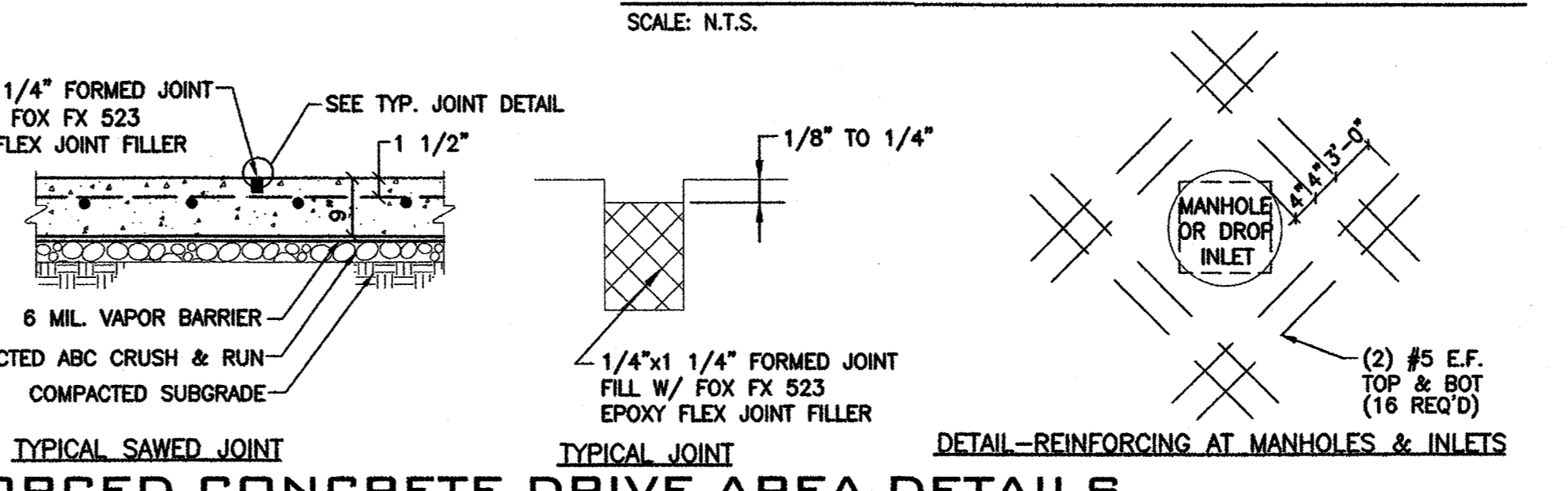
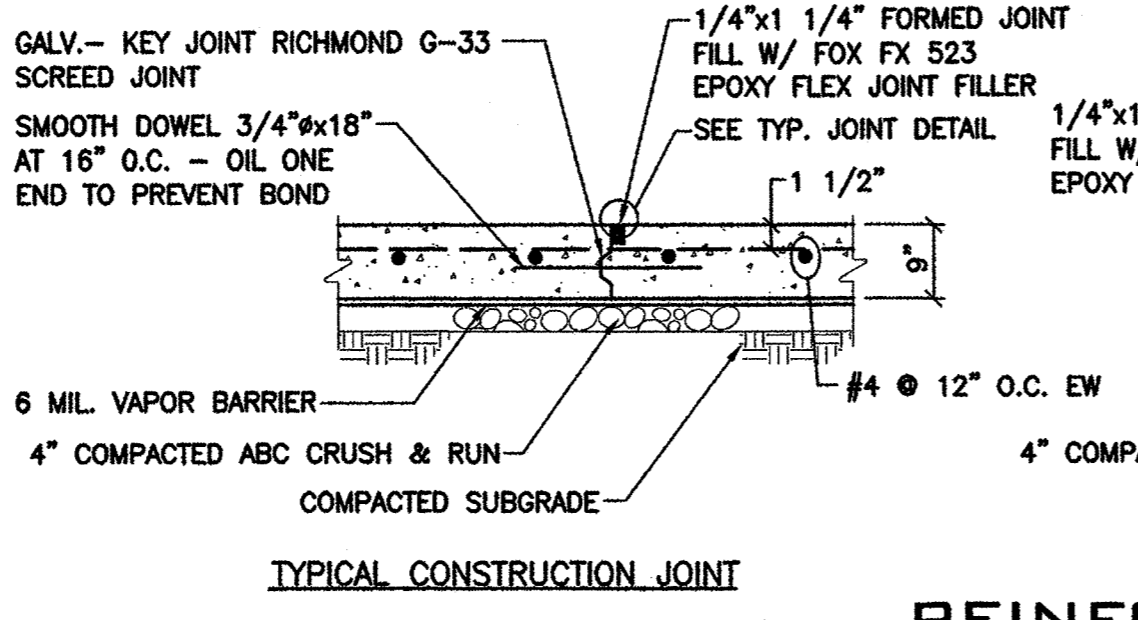
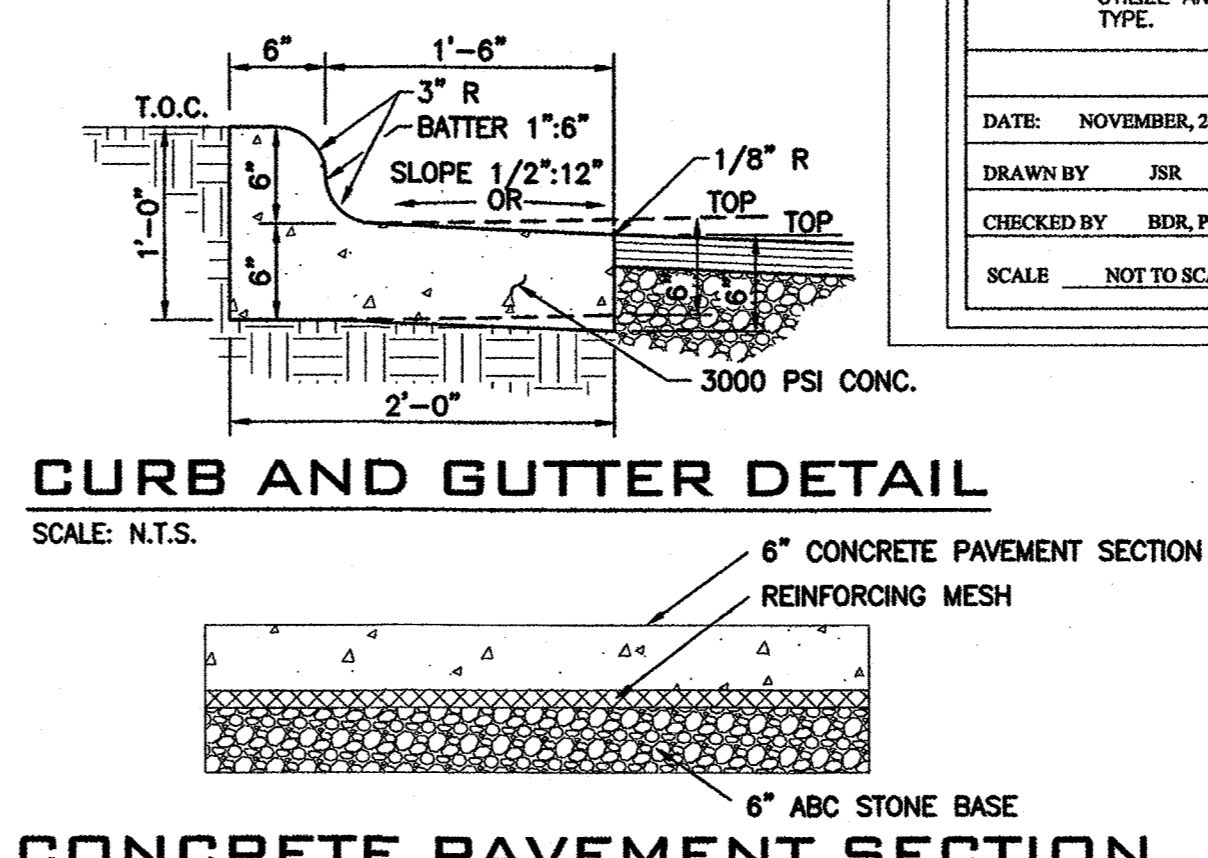
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186716.03
DRAWING NUMBER
CIVIL DETAILS

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8 JANUARY 2018
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CFPTA 3RD STREET TRANSIT STATION - 520 N. 3RD STREET - WILMINGTON, NORTH CAROLINA



- 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 CONTAINED WITHIN A DRIVEWAY APRON) SHALL BE CLASS "A" - 3,000 PSI. MINIMUM REPLACEMENT FOR REPAIRS IS A 5' X 5' PANEL.
 5. 4" STONE BASE MAY BE REQUIRED FOR POOR SOIL CONDITIONS. MINIMUM DEPTH FOR TUNNELING BELOW SIDEWALK IS 12".
 6. MAX ADJACENT GROUND SLOPE WITHOUT RAILING IS 2:1.
 7. 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.



PERMEABLE PAVEMENT ACTIVITIES PROHIBITED:

- SANDING
- RE-SEALING
- RE-SURFACING
- POWER WASHING
- STORAGE OF MULCH OR SOIL
- STORAGE OF SNOW PILES
- STORAGE OF HEAVY LOADS
- APPLICATION OF SALT OR DE-ICERS

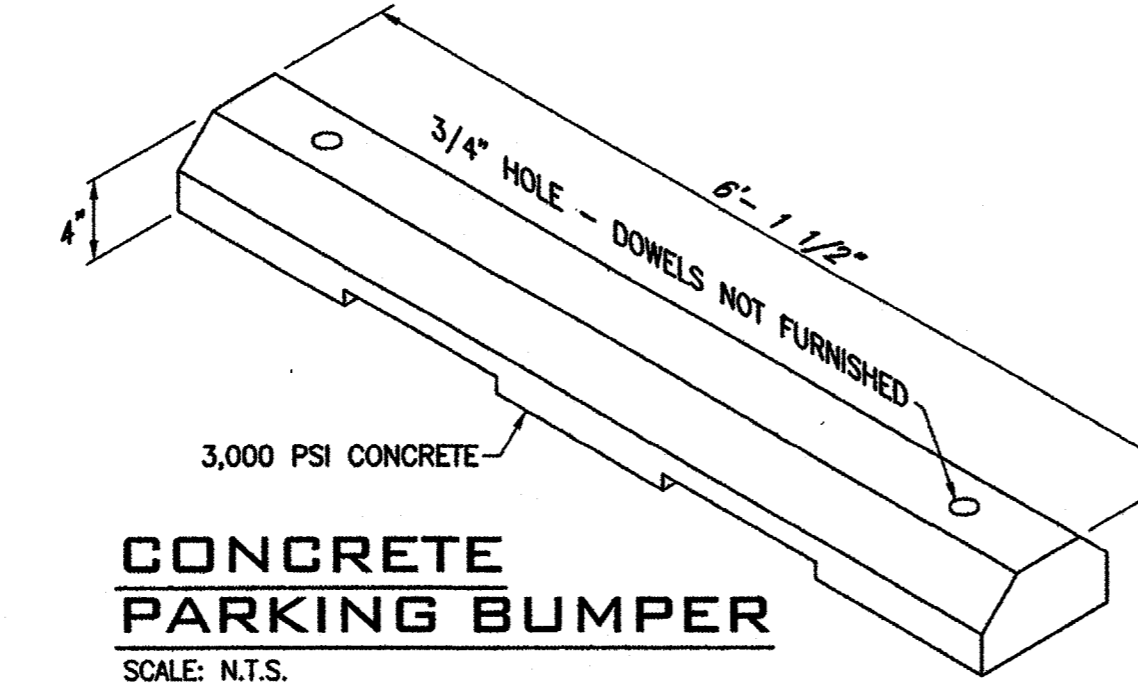
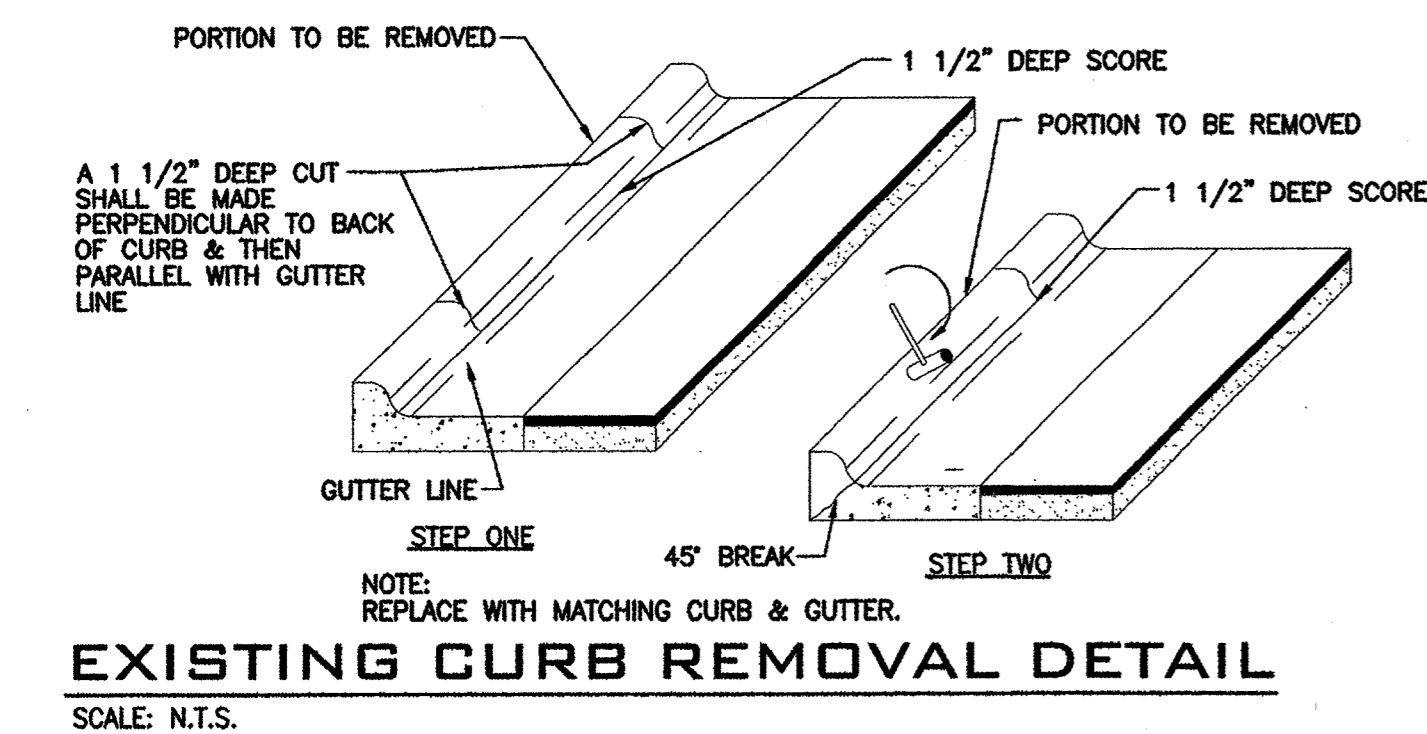
PERMEABLE PAVEMENT SIGN
SCALE: N.T.S.

WILMINGTON NORTH CAROLINA
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN
Date: 4/18/19
Signed: [Signature]

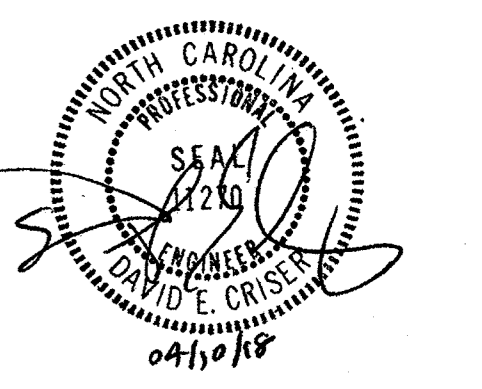
Approved Construction Plan
Name: [Signature] Date: 4-18-19
Planning: [Signature] 4-18-19
Traffic: [Signature] 4-18-19
Fire: [Signature] 4/19/19

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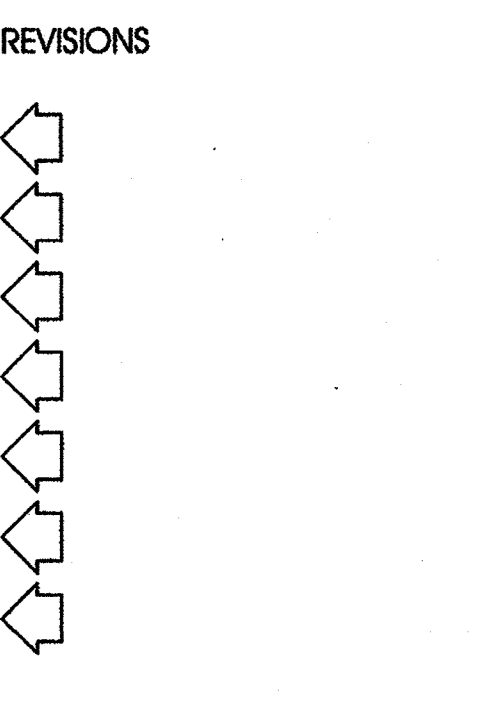
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D. CRISER
DRAWN BY
H. LEONARD

ISSUE DATE

4/1/2011	PRELIMINARY DESIGN/APPROVAL
6/1/2011	CITY/TRC SUBMITTAL
6/1/2011	30% PERMIT/CONSTRUCTION SET
7/28/2011	TRC 1ST REVIEW RE-SUBMITTAL
8/1/2011	95% REVIEW SET
1/16/2016	PERMIT/CONSTRUCTION SET
4/16/2016	PERMIT/CONSTRUCTION SET



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6/12/2011	CITY/TRC SUBMITTAL
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7/28/2011	TRC 1ST REVIEW RE-SUBMITTAL
8/1/2011	95% REVIEW SET
1/10/2016	PERMIT/CONSTRUCTION SET
4/10/2018	PERMIT/CONSTRUCTION SET

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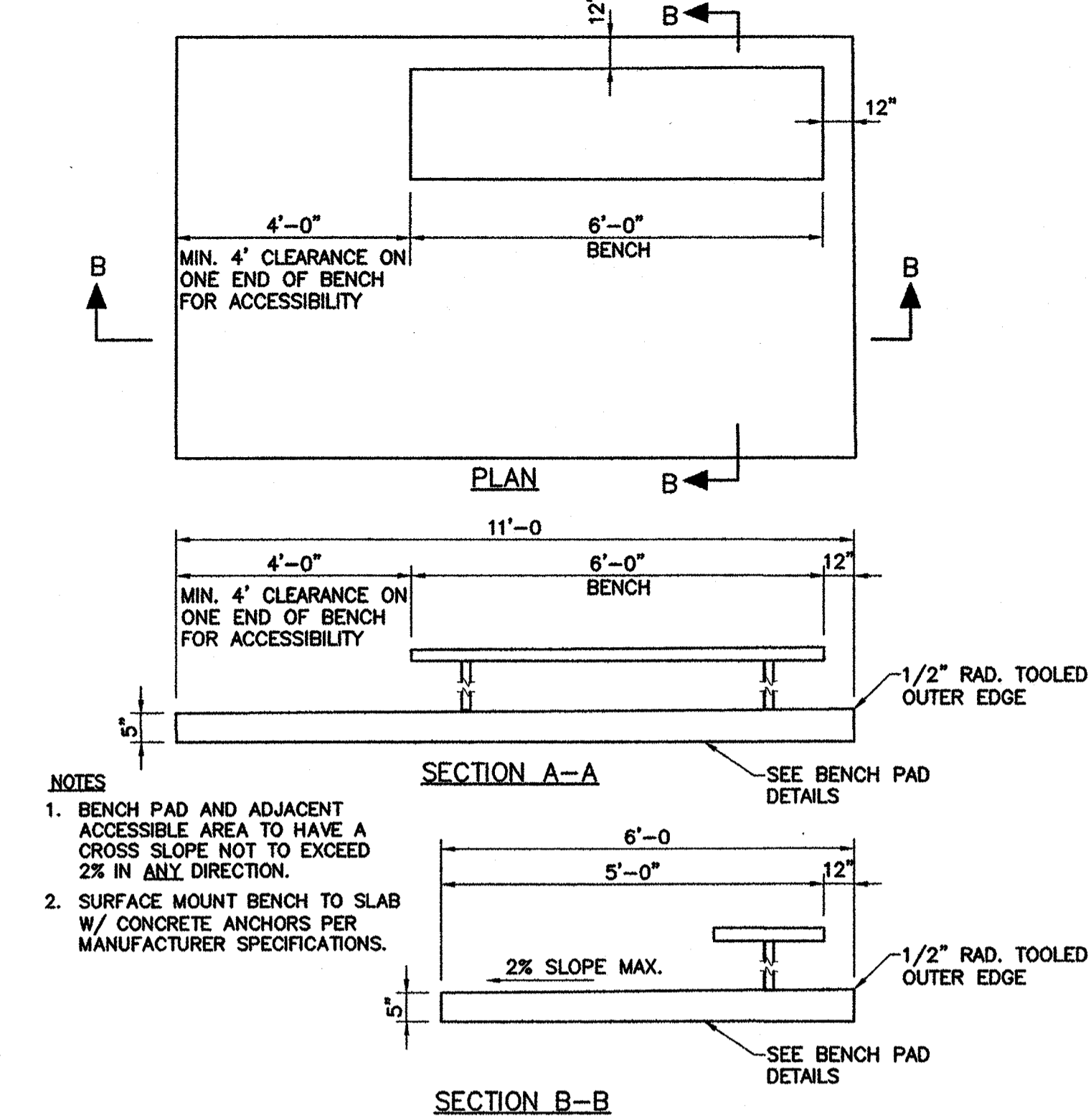
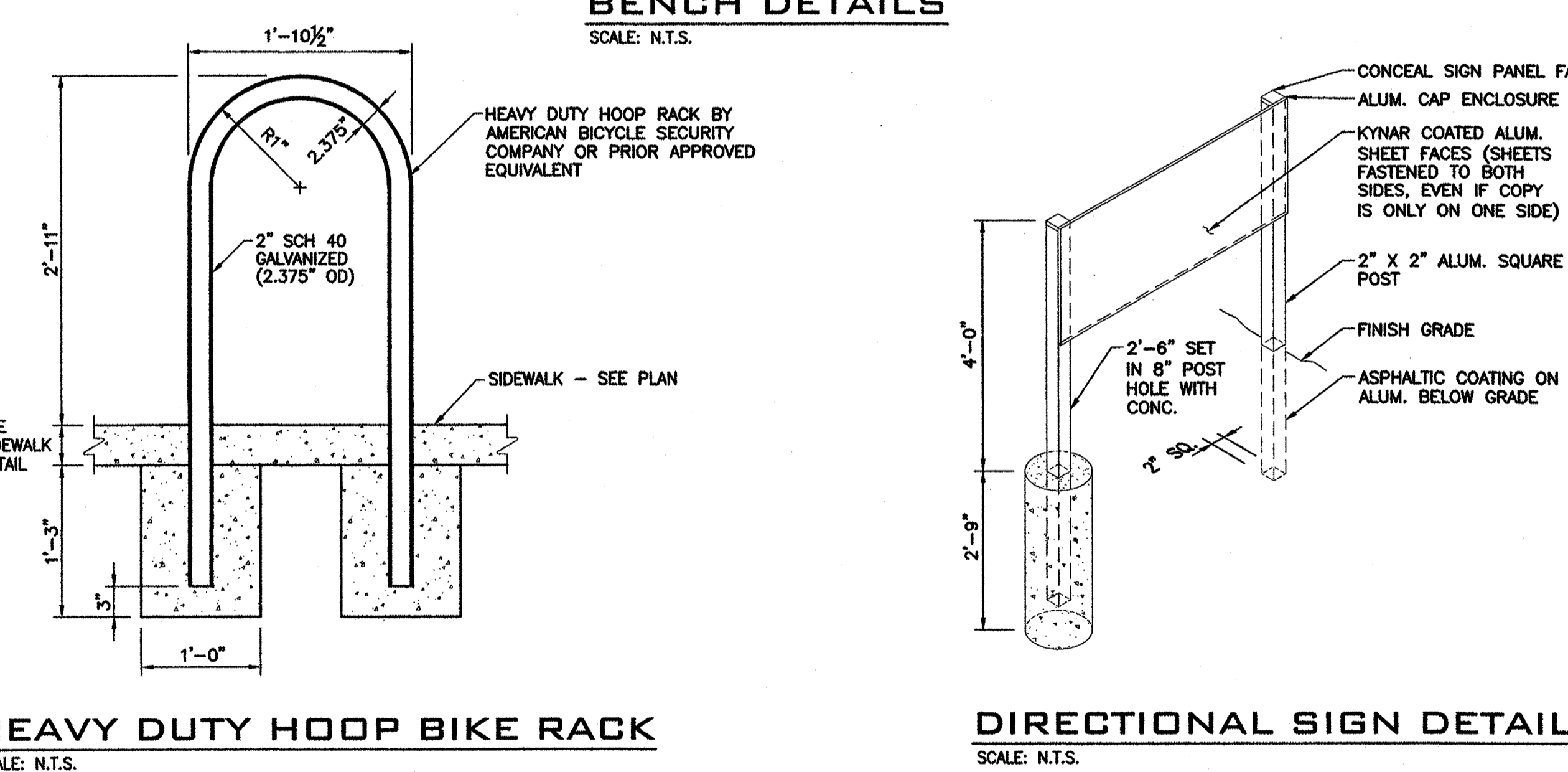
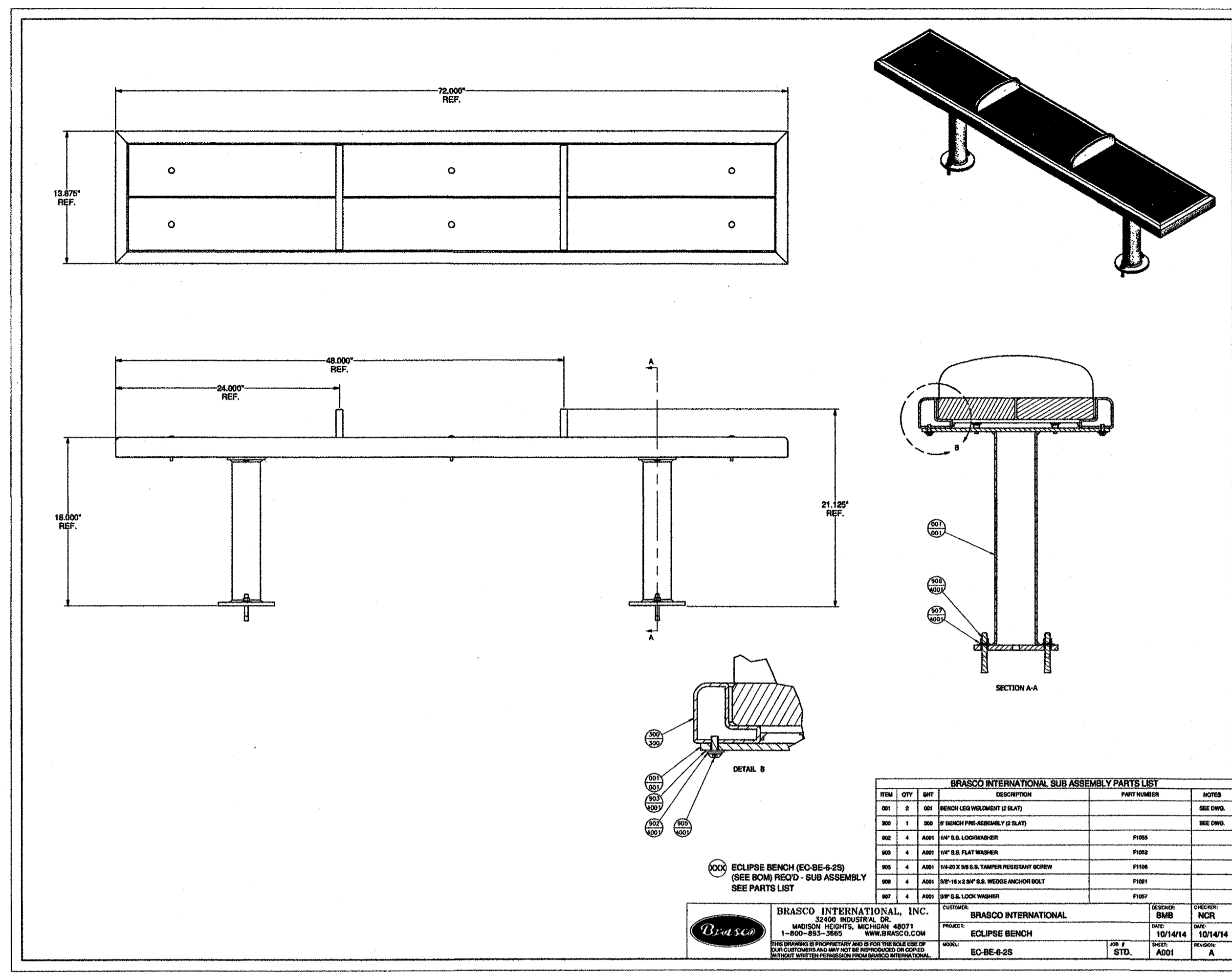
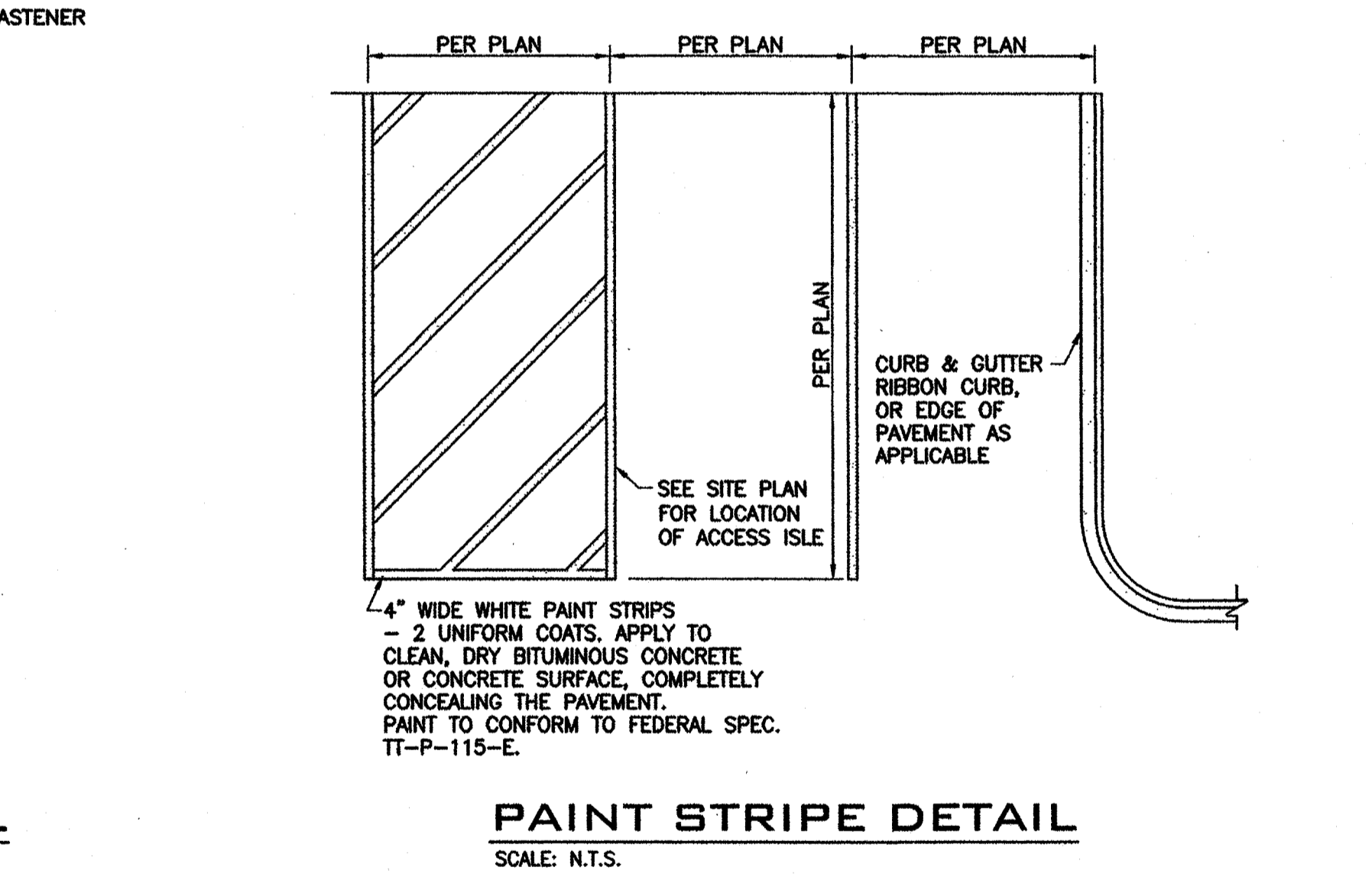
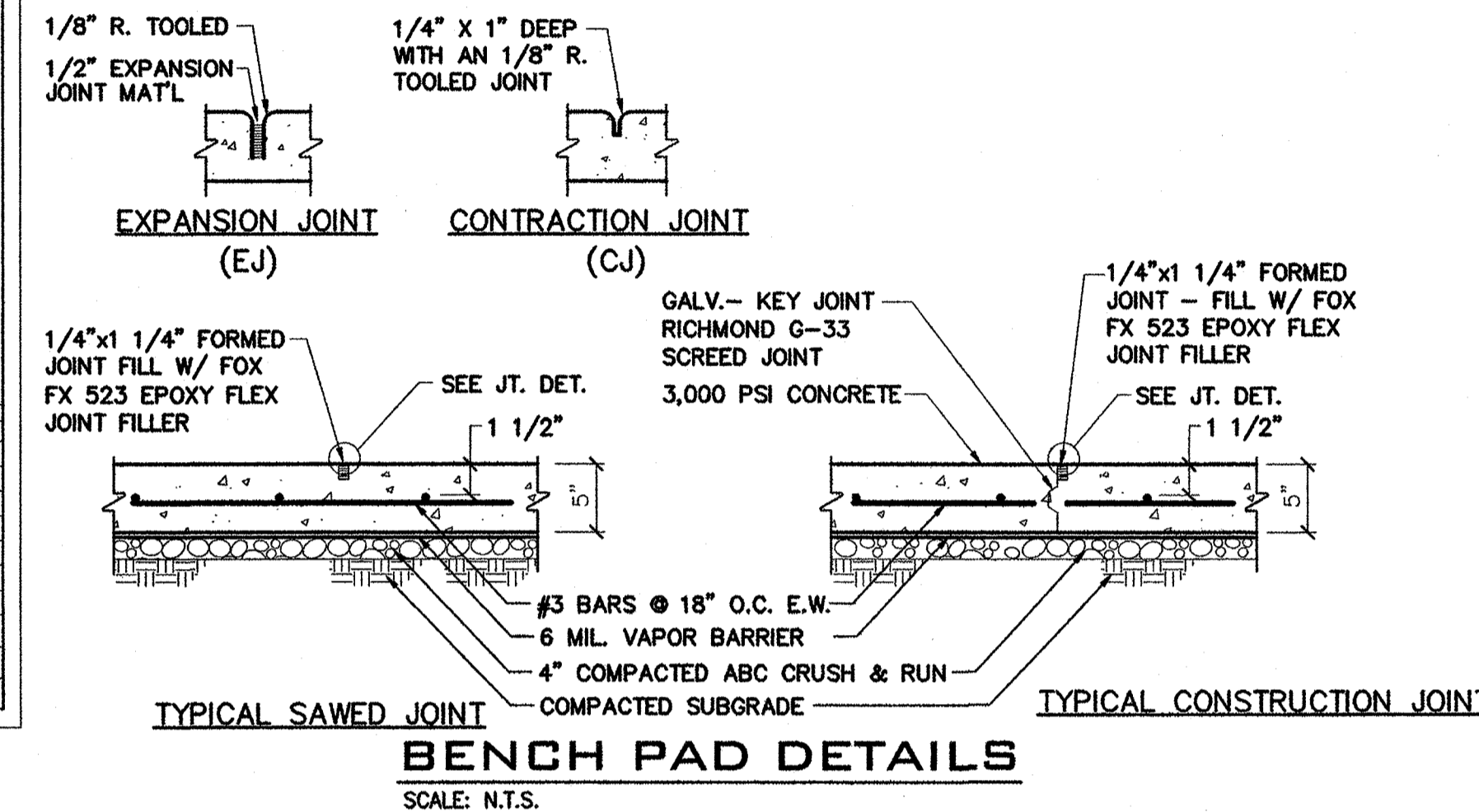
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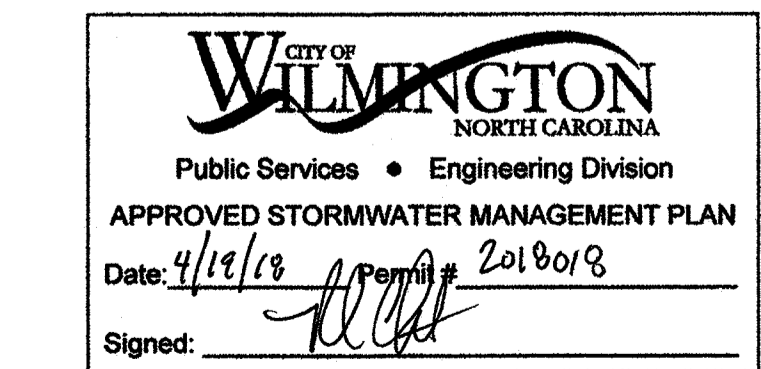
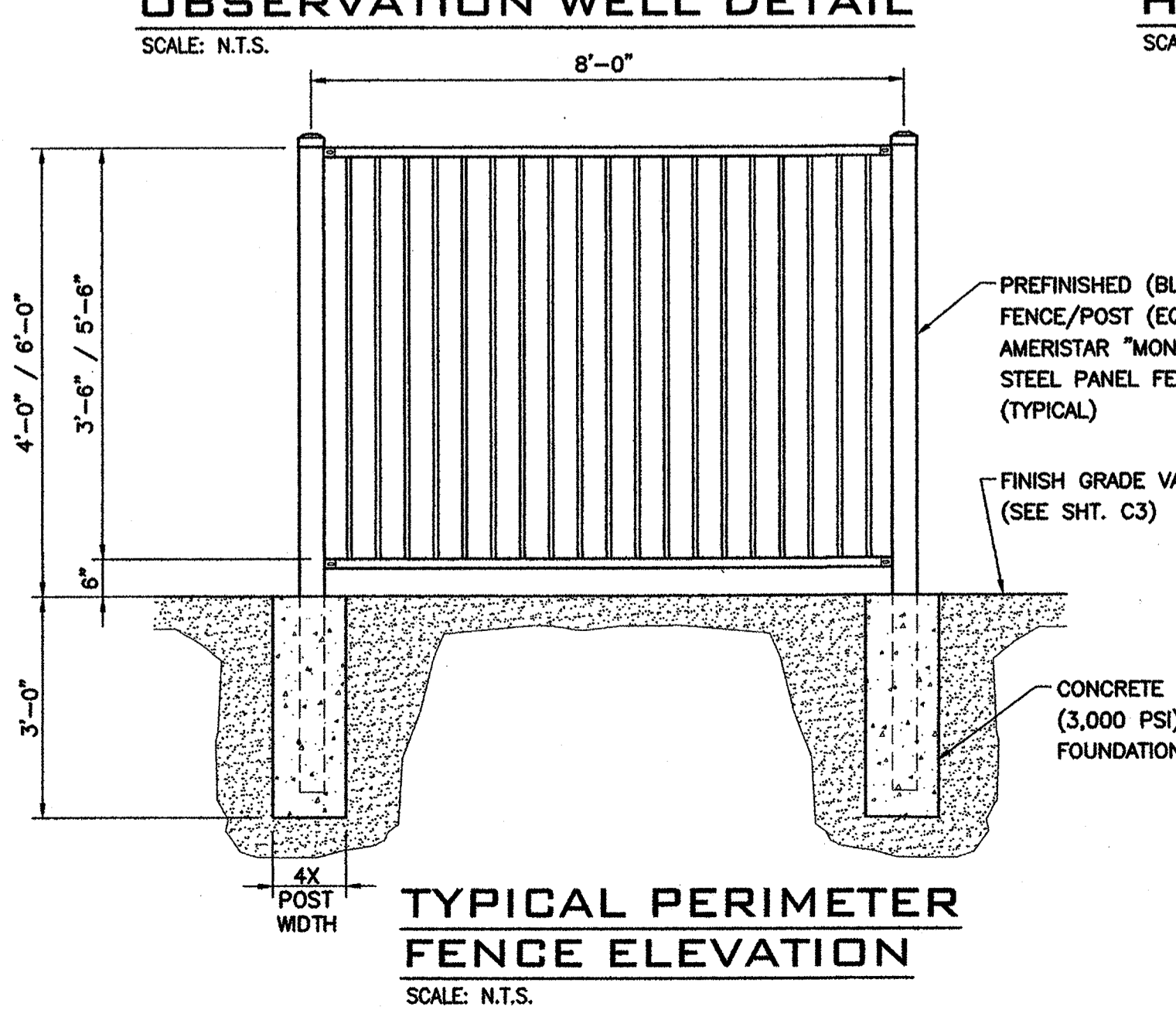
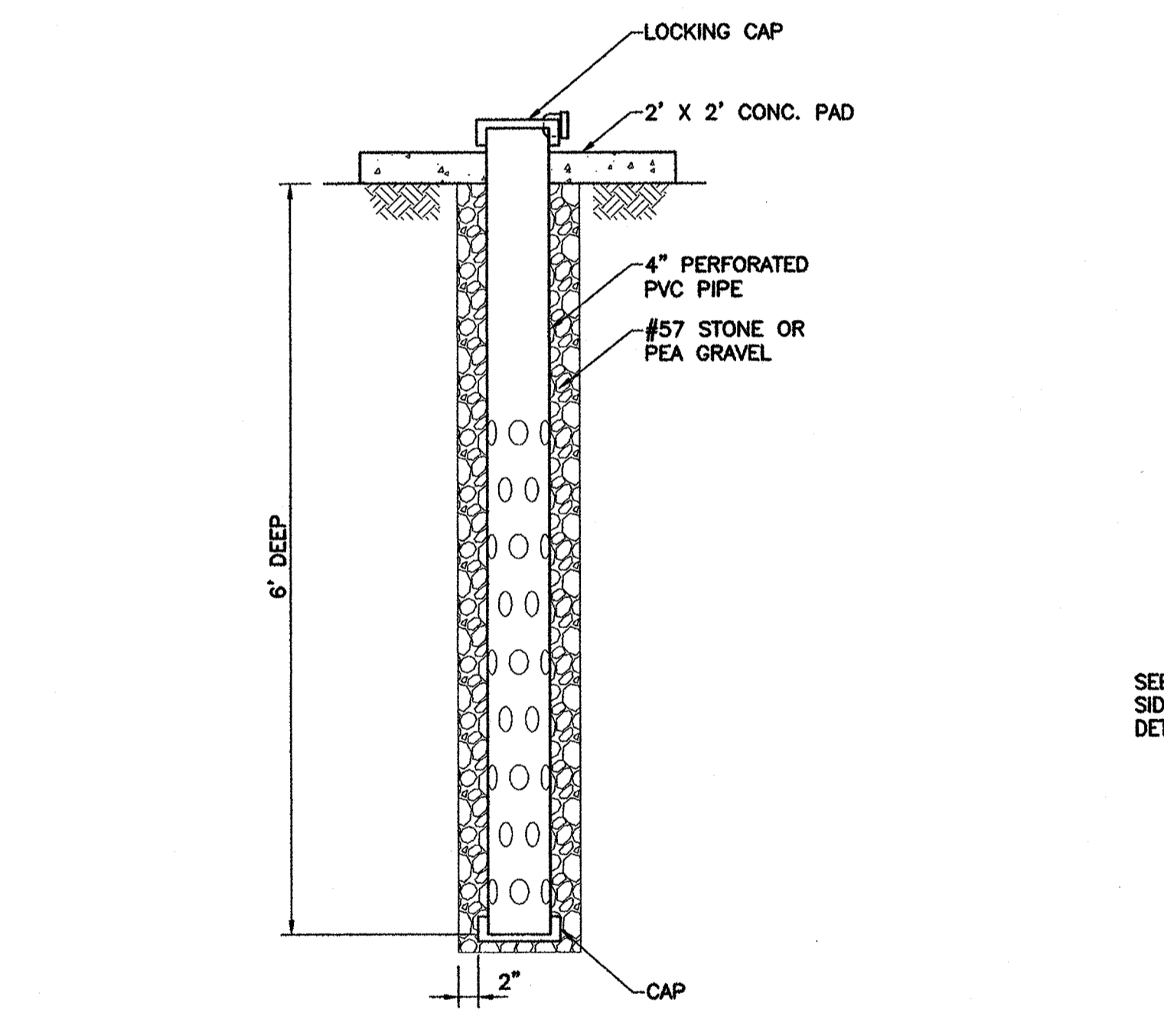
CFPTA 3RD STREET TRANSIT STATION - 520 N. 3RD STREET - WILMINGTON, NORTH CAROLINA

- SLAB ON GRADE NOTES:**
1. PROVIDE TYPICAL SAWED JOINT AT 15'-0" ON CENTER (MAX.).
 2. SAWED JOINT PATTERN TO BE LESS THAN 2:1 IN ANY DIRECTION.
- CONCRETE NOTES:**
1. CONCRETE DESIGN IS BASED ON THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI-318-05) AND ALL SUBSEQUENT SUPPLEMENTS.
 2. CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS: 3000 PSI NORMAL WT.
 3. PORTLAND CEMENT: ASTM C-150 TYPE I, 1A OR III.
 4. WELDED WIRE MESH: ASTM A185
 5. ALL SLAB ON GRADE CONCRETE SHALL BE CURED BY THE USE OF AN APPROVED WET CURING PROCESS FOR A MINIMUM OF 7 DAYS AFTER PLACEMENT IN ACCORDANCE WITH ACI 308. A CURING COMPOUND MAY BE USED IN CONJUNCTION WITH THE WET CURING PROCESS PROVIDED THAT COMPOUNDS ARE PLACED IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND ARE COMPATIBLE WITH ALL CONCRETE ADDITIVES.
 6. ALL ABOVE GRADE CONCRETE EXPOSED TO WEATHER SHALL HAVE ANTI-CORROSIVE INHIBITORS AS MANUFACTURED BY W.R. GRACE CONTAINED IN THE MIX PER SPECIFICATIONS BY MANUFACTURER.
 7. BONDING AGENT SHALL BE STRUCTURAL EPOXY ADHESIVE CONFORMING TO ASTM C-881 AND SHALL BE PLACED AT THE INTERFACE OF TWO SEPARATE CONCRETE PLACEMENTS.
 8. PROVIDE AIR ENTRAINMENT OF 4 TO 6 PERCENT.
 9. CONCRETE FINISH: BROOM FINISH
 10. EXPANSION JOINT FILLER: ASTM D1751 ASPHALT-SATURATED FIBER WITH TWO-COMPONENT EPOXY JOINT FILLER.
 11. FILL ALL VOIDS & HONEY COMBS WITH EPOXY.



NOTES

1. BENCH PAD AND ADJACENT ACCESSIBLE AREA TO HAVE A CROSS SLOPE NOT TO EXCEED 2% IN ANY DIRECTION.
2. SURFACE MOUNT BENCH TO SLAB W/ CONCRETE ANCHORS PER MANUFACTURER SPECIFICATIONS.



Approved Construction Plan

Name: *[Signature]* Date: 4-18-18

Planned: *[Signature]* Date: 4-18-18

Traffic: *[Signature]* Date: 4-18-18

Fire: *[Signature]* Date: 4-18-18

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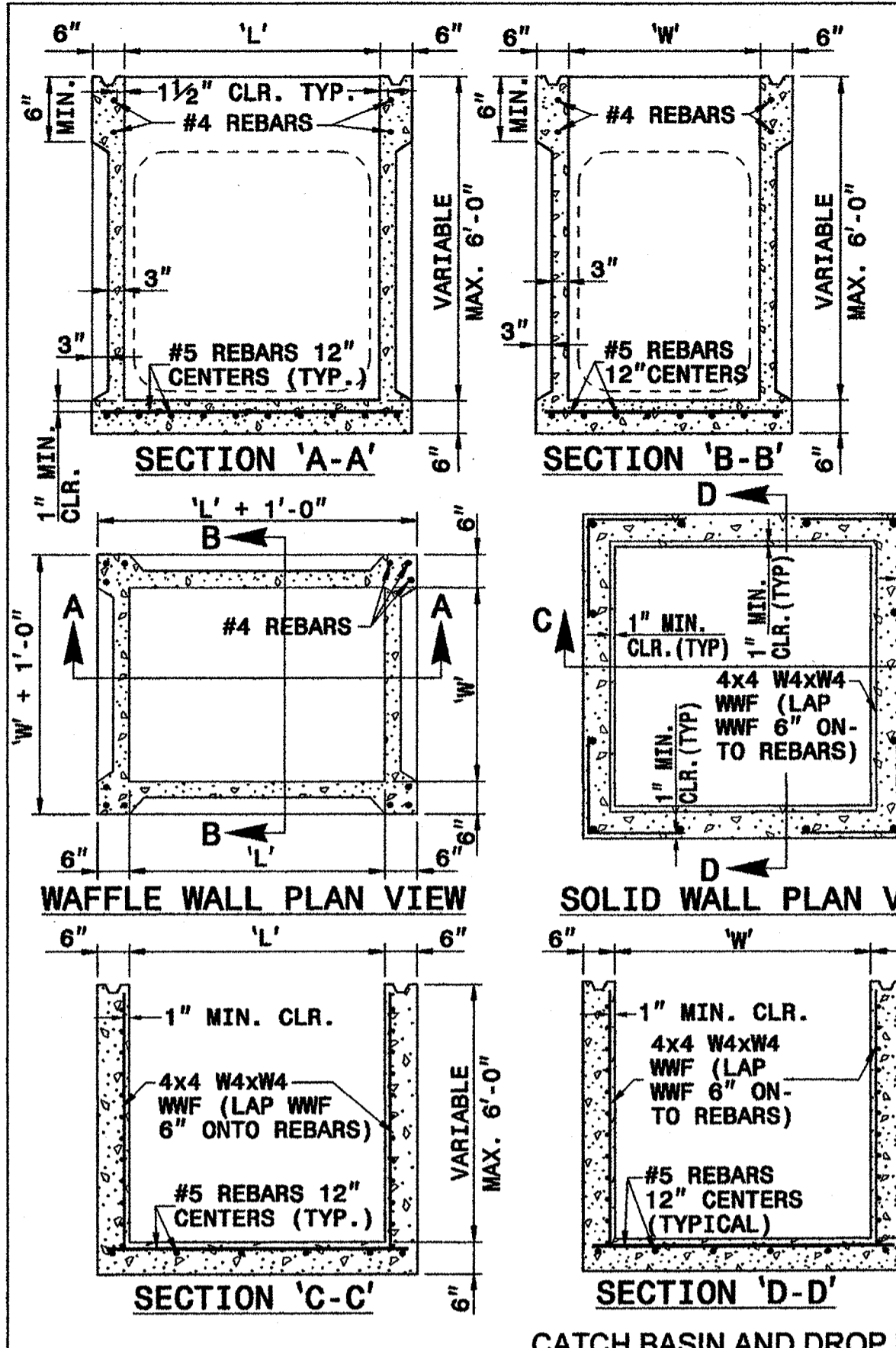
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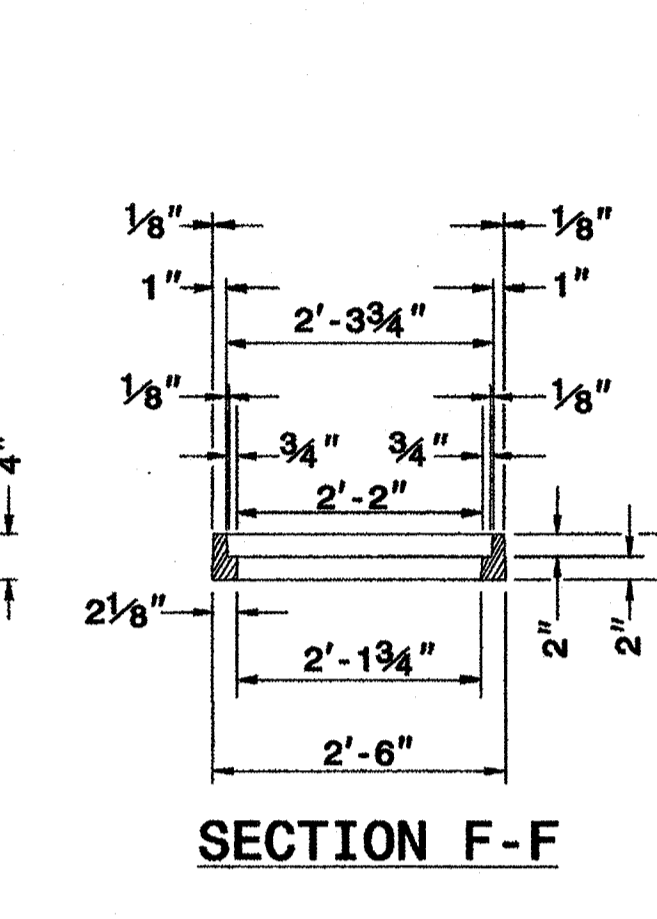
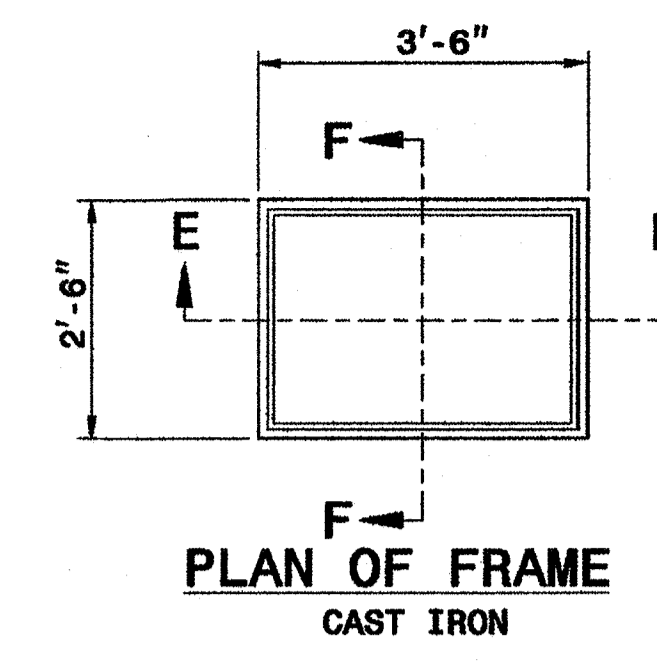
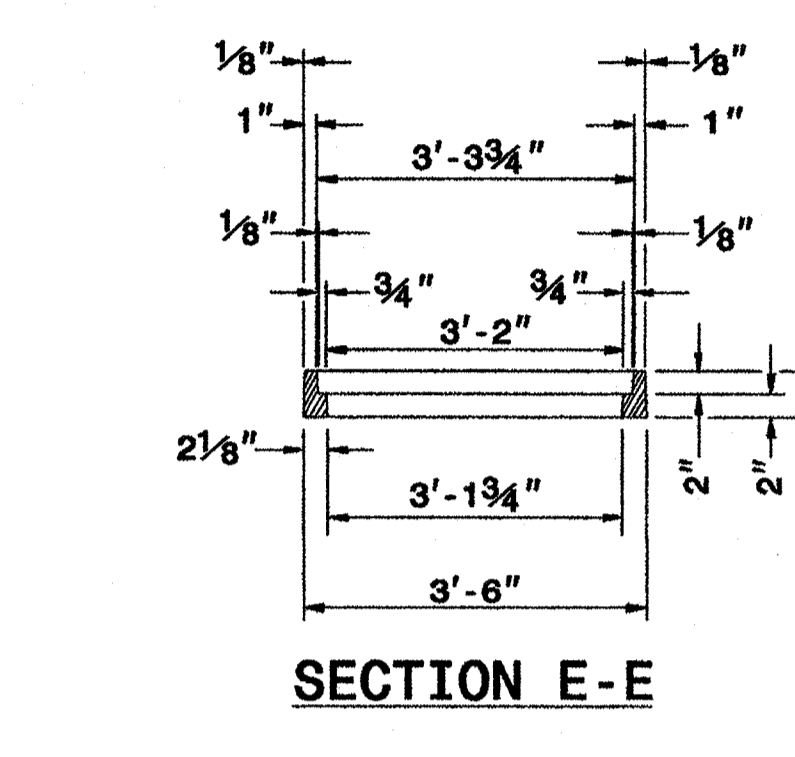
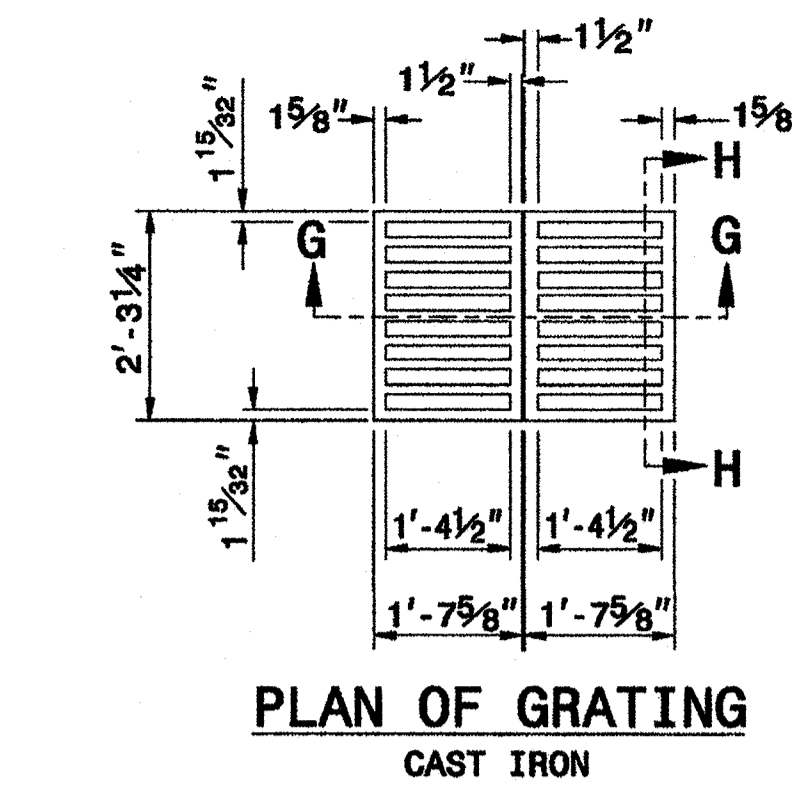
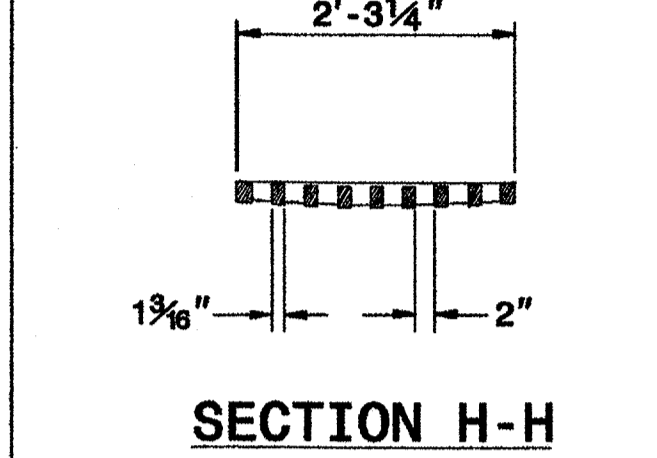
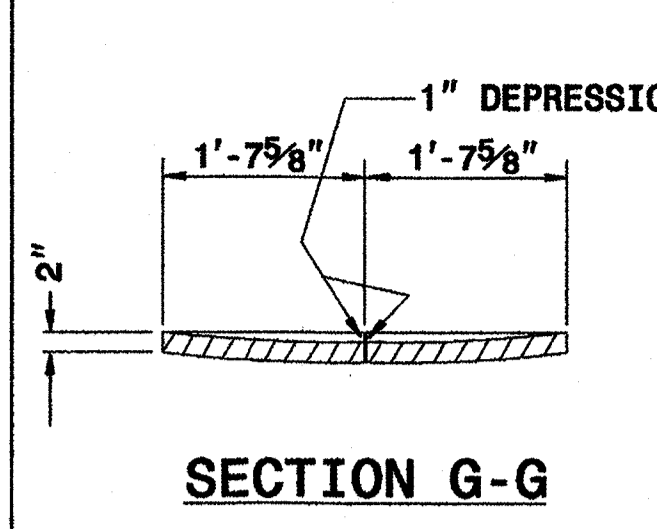
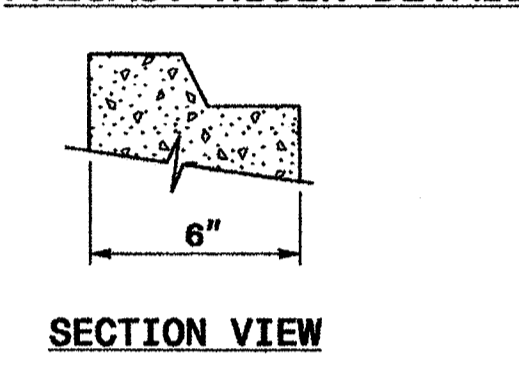
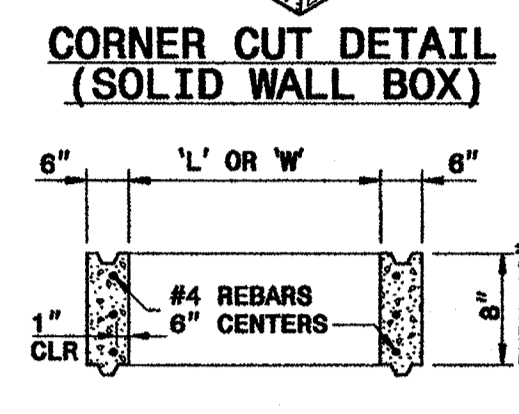
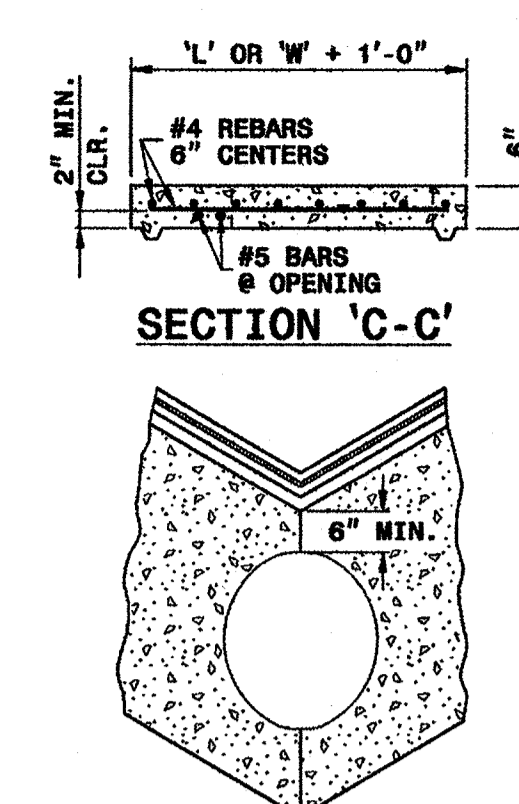
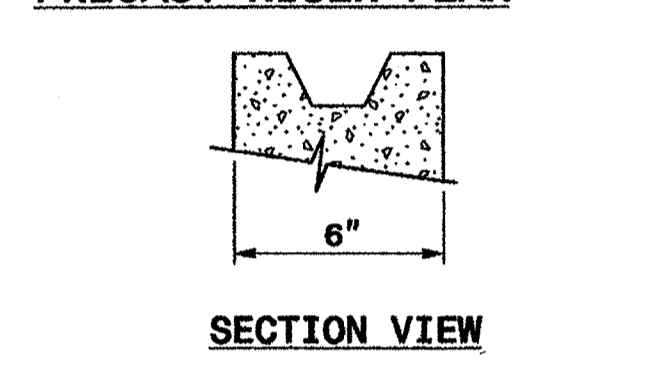
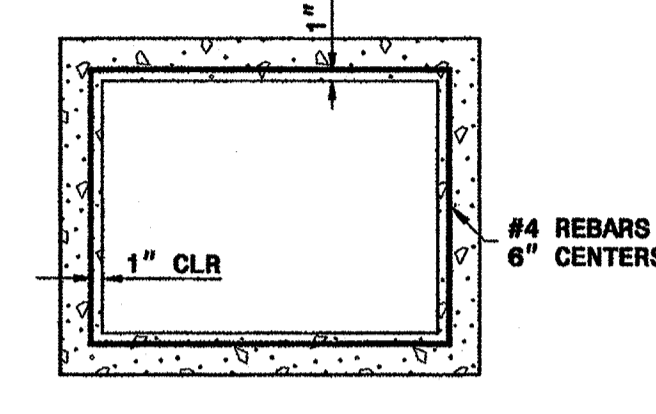
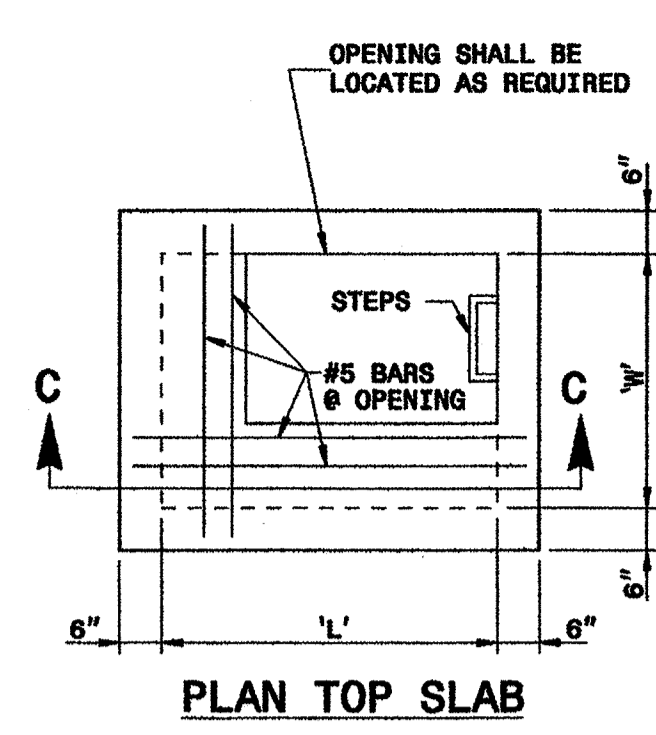
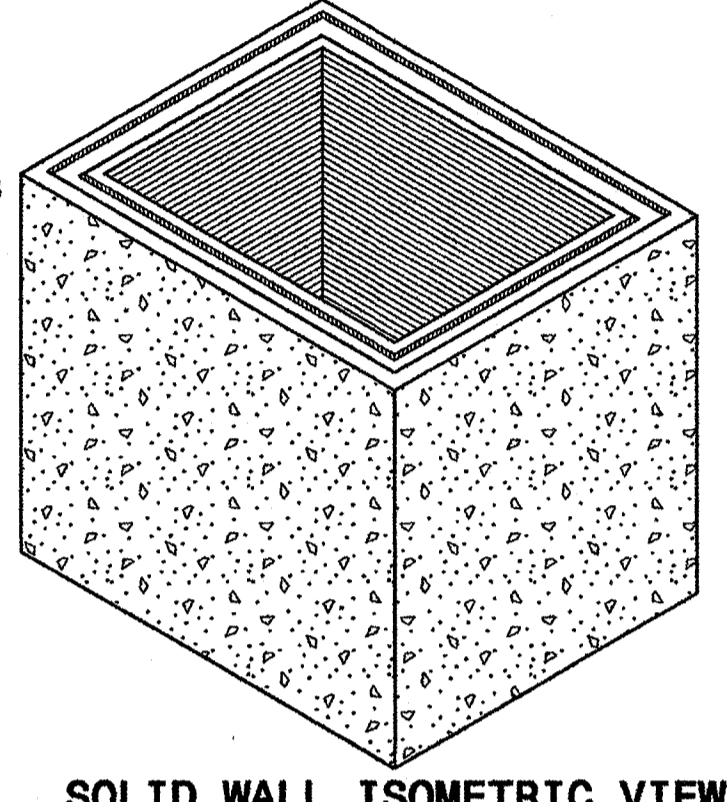
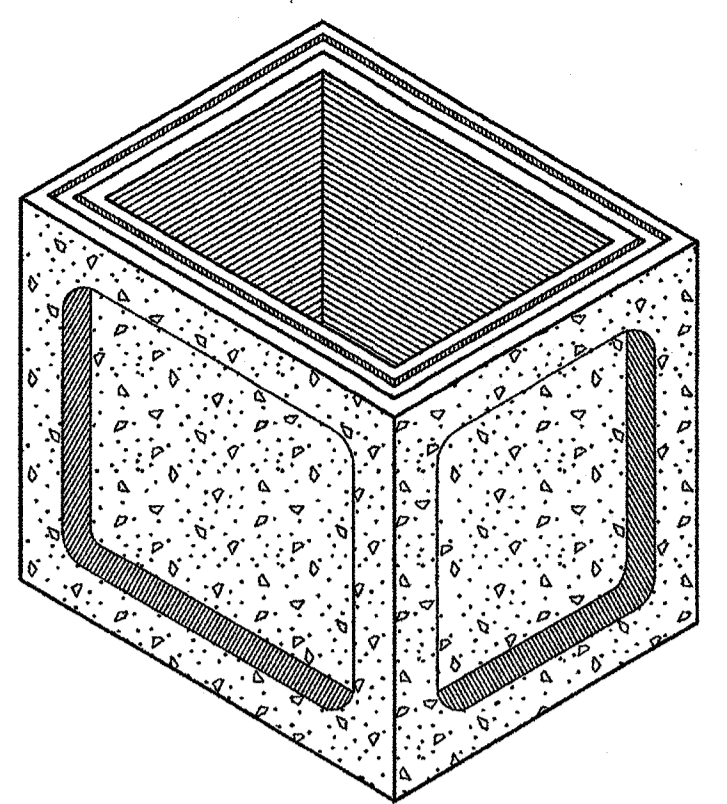
PROJECT NUMBER
186716.03
DRAWING NUMBER
STORMWATER DETAILS



CFPTA 3RD STREET TRANSIT STATION - 520 N. 3RD STREET - WILMINGTON, NORTH CAROLINA



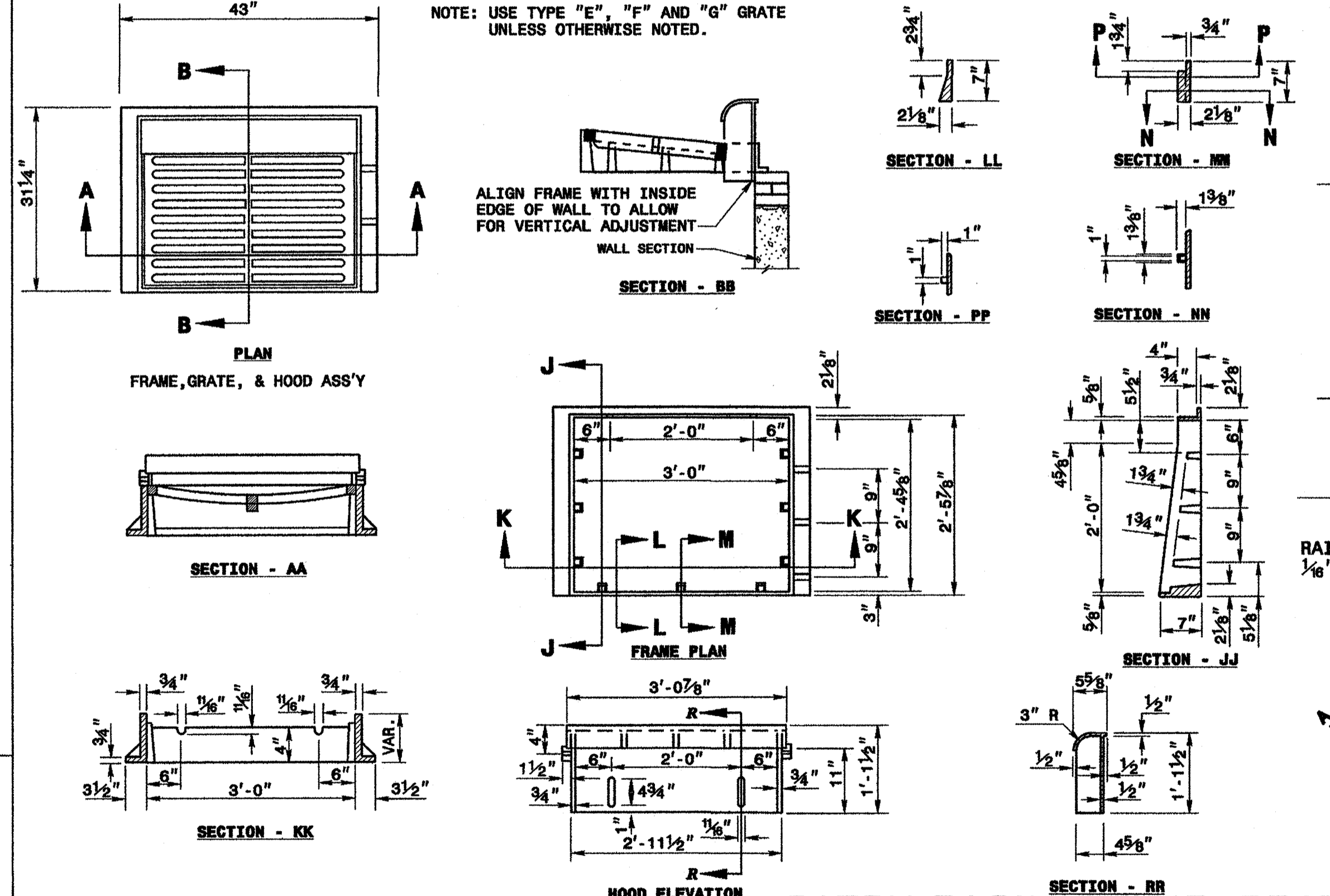
THE PATTERN OF THE KNOCK-OUT PANELS ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY.



- GENERAL NOTES:**
- * THIS PRECAST BOX MAY BE USED FOR THE FOLLOWING STANDARDS: 840.01, 840.02, 840.04, 840.05, 840.11, 840.12, 840.14, 840.15, 840.17, 840.18, 840.19, 840.26, 840.27, 840.28, 840.31, 840.32 AND 840.41.
 - * USE 4000 PSI CONCRETE.
 - * PROVIDE ALL REINFORCING STEEL WHICH MEETS ASTM A615 FOR GRADE 60 AND WELDED WIRE FABRIC CONFORMING TO ASTM A185.
 - * LIMIT MAXIMUM DEPTH TO TOP OF BOTTOM SLAB FOR WAFFLE WALL STRUCTURE TO 10'-0"; LIMIT SOLID WALL STRUCTURE TO 15'-0".
 - * PLACE LIFT HOLES OR PINS IN ACCORDANCE WITH OSHA STANDARD 1926.704.
 - * CUT OR FORM OPENINGS FOR PIPE TO PROVIDE REQUIRED SIZE AND LOCATION. ORIENT WAFFLE WALL STRUCTURES SO THAT PIPES ENTER THROUGH THE KNOCKOUT/WAFFLE PANELS ONLY. PIPES MAY ENTER THROUGH THE CORNERS OF SOLID WALL BOXES IF A MINIMUM OF 6" OF WALL IS PROVIDED ABOVE THE HOLE.
 - * ALL ELEMENTS PRECAST TO MEET ASTM C913.
 - * FRAME AND GRATE HEIGHT MAY BE ADJUSTED WITH CONCRETE OR BRICK IN ACCORDANCE WITH STANDARD 840.25.
 - * PROVIDE PRECAST STRUCTURES OVER 4'-0" IN DEPTH WITH STEPS AS DIRECTED BY THE ENGINEER.
 - * WELDED WIRE FABRIC MAY BE SUBSTITUTED FOR REBAR AS LONG AS THE SAME AREA OF STEEL IS PROVIDED.
 - * SEAL JOINTS WITH A FLEXIBLE BUTYL RUBBER BASE CONFORMING TO FEDERAL SPECIFICATION SS-S-21A, AASHTO M-198, TYPE B - BUTYL RUBBER.
 - * LIMIT MAXIMUM STRUCTURE SIZE TO INSIDE CLEAR DIMENSIONS OF 5'-0" X 5'-0".
 - * THE OUTSIDE PIPE DIAMETER PLUS 2" OR THE OPENING REQUIRED FOR FRAME AND GRATE IS THE MINIMUM STRUCTURE SIZE WHICHEVER IS GREATER.
 - * USE FRAME AND COVER AS INDICATED ON THE PLANS. REINFORCE OPENING AS SHOWN ON THIS SHEET.

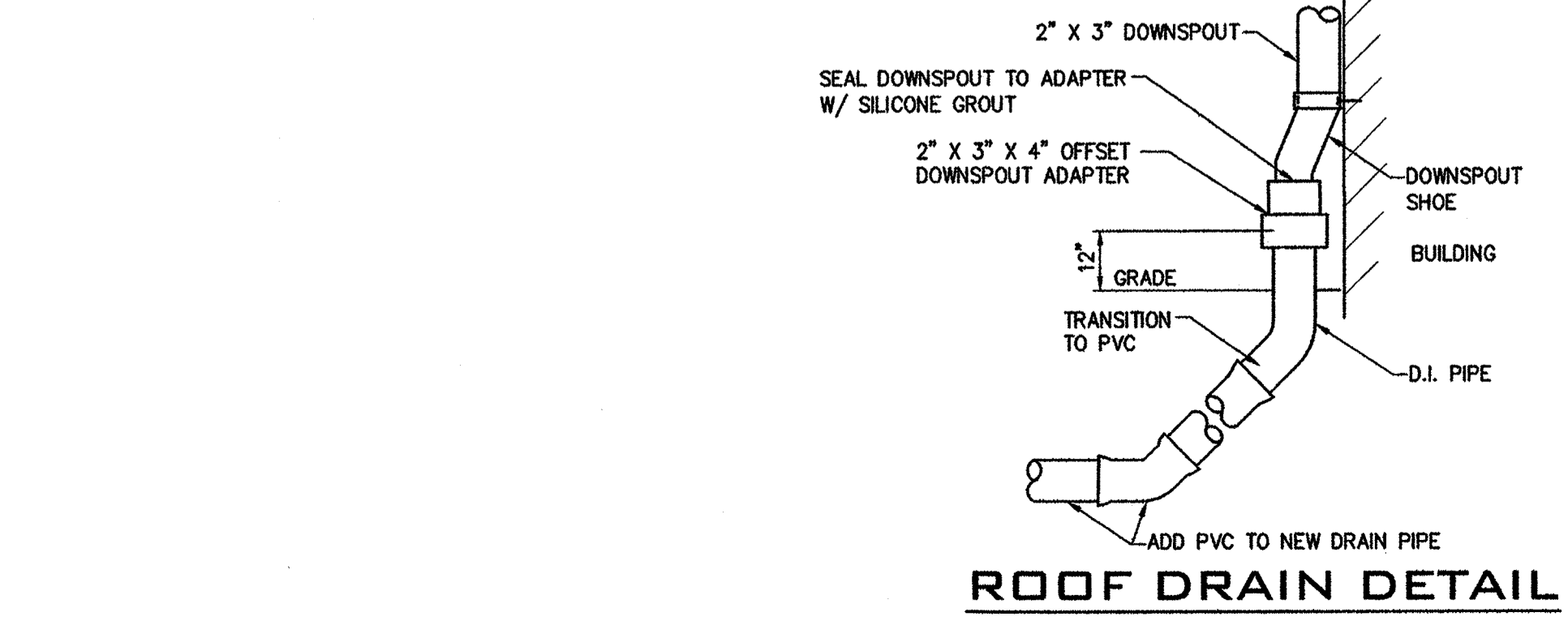
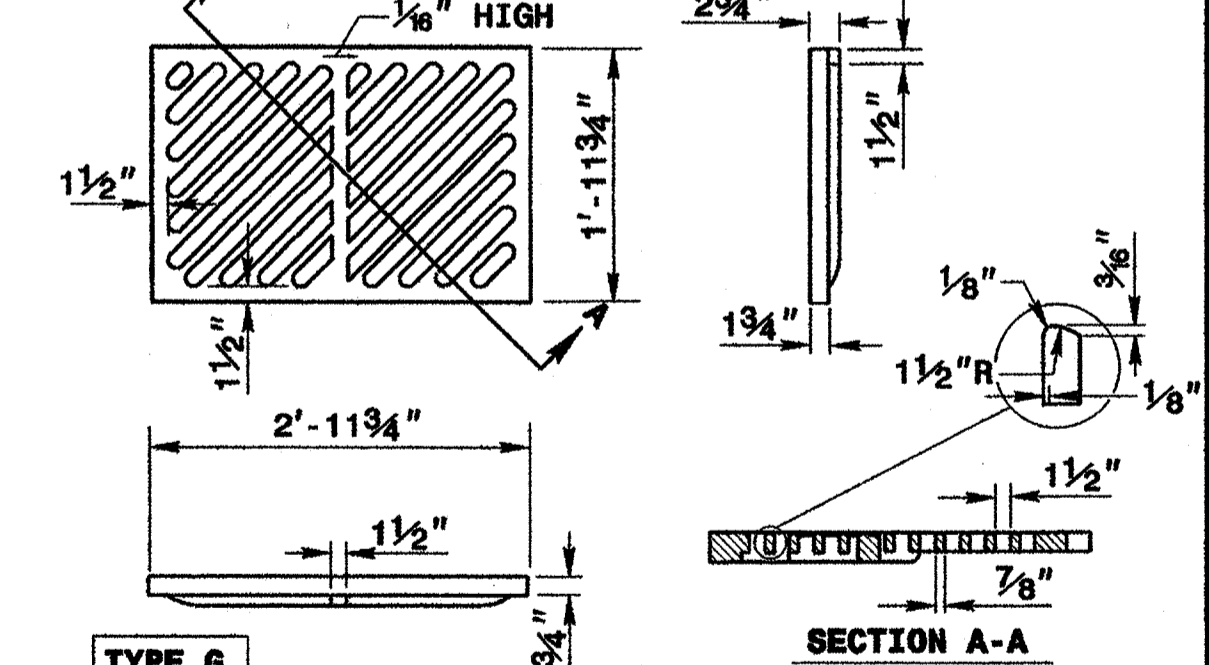
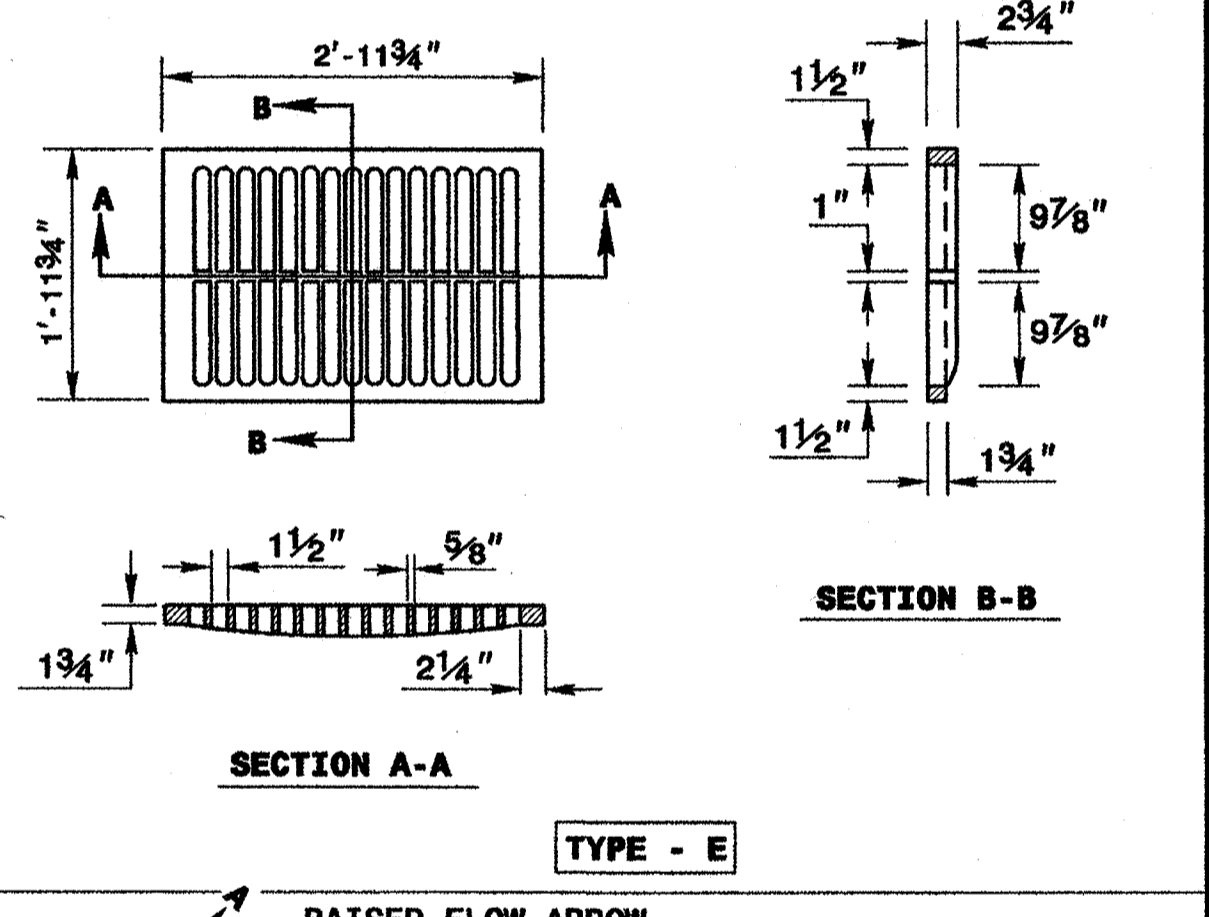
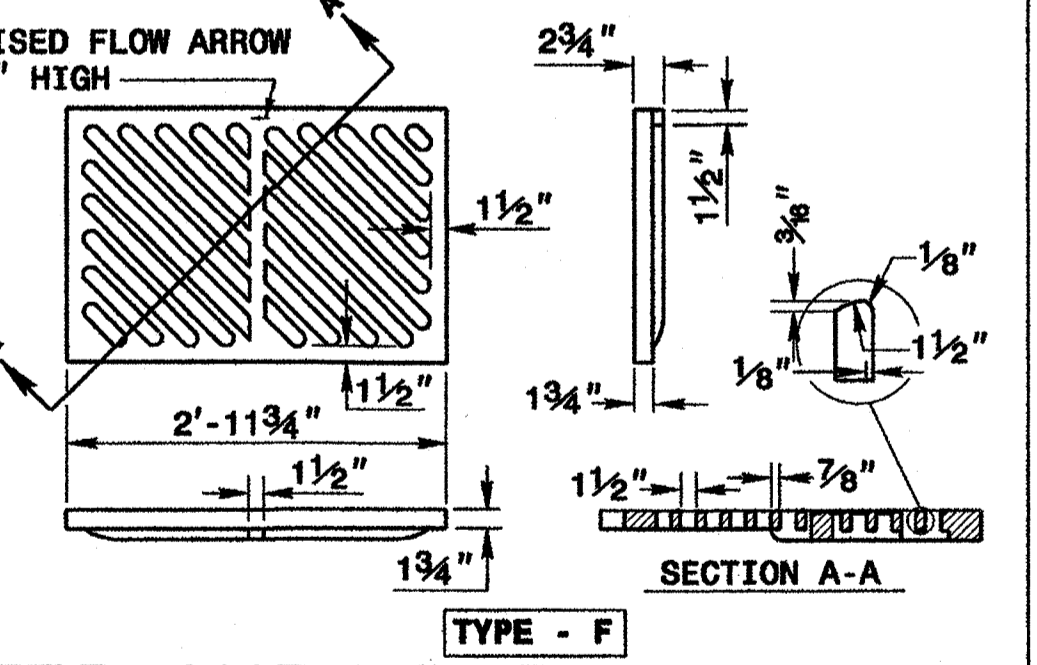
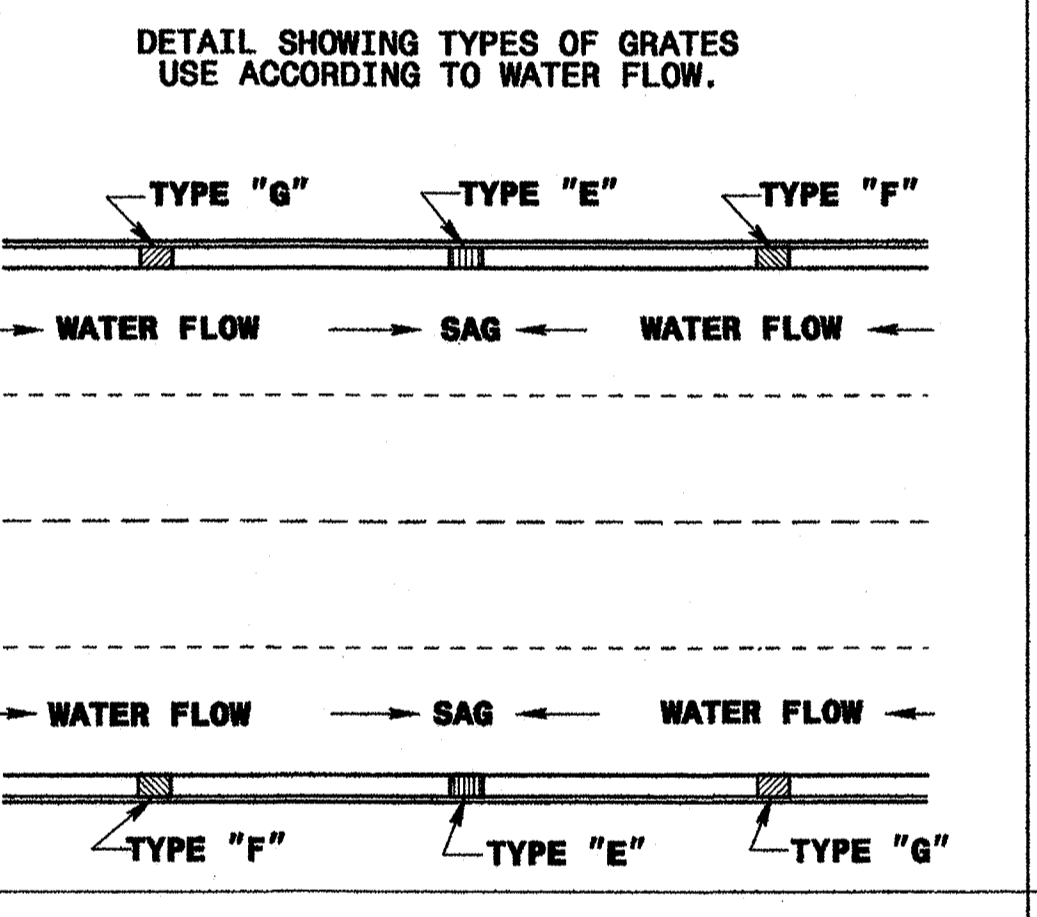
PRECAST DRAINAGE STRUCTURES (SOLID AND WAFFLE WALL)

SCALE: N.T.S. [NC DOT STANDARD DETAIL 840.45]



CATCH BASIN FRAME, GRATES, AND HOOD

SCALE: N.T.S. [NC DOT STANDARD DETAIL 840.03]



- NOTES:**
- STRUCTURES:**
1. PRECAST STRUCTURES SHALL MEET NCDOT 840.45 OR PRIOR APPROVED EQUIVALENT.
 2. BRICK BUILT CATCH BASINS CAN ALTERNATIVELY BE USED, AND SHALL MEET NCDOT 840.01, OR PRIOR APPROVED EQUIVALENT.
 3. CONCRETE CATCH BASINS CAN ALTERNATIVELY BE USED, AND SHALL MEET NCDOT 840.02, OR PRIOR APPROVED EQUIVALENT.
 4. CONCRETE DROP INLETS CAN ALTERNATIVELY BE USED, AND SHALL MEET NCDOT 840.14, OR PRIOR APPROVED EQUIVALENT.
 5. BRICK BUILT DROP INLETS CAN ALTERNATIVELY BE USED, AND SHALL MEET NCDOT 840.15, OR PRIOR APPROVED EQUIVALENT.
- CASTINGS:**
1. CATCH BASIN CASTINGS SHALL BE NCDOT 840.03, OR PRIOR APPROVED EQUIVALENT.
 2. DROP INLET CASTINGS SHALL BE NCDOT 840.16, OR PRIOR APPROVED EQUIVALENT.
 3. STORM DRAIN MANHOLE CASTINGS SHALL BE NCDOT 840.54, OR PRIOR APPROVED EQUIVALENT.
- OTHER:**
1. ORIENTATION OF STORM DRAIN INLETS ON PLAN ARE FOR THE GRATE AND/OR CASTINGS. MINIMUM STRUCTURE SIZE IS 2' X 2' PLAN DIMENSION. CONTRACTOR SHALL PROVIDE BOXES LARGER THAN MINIMUM SIZE, ORIENT THE BOX/STRUCTURE, AND/OR PROVIDE TRANSITION TOPS AS NECESSARY TO ACCEPT THE PIPE SIZES AND TO ACHIEVE THE PIPE ALIGNMENTS AS SHOWN ON THE PLAN. PIPES SHALL NOT CONNECT AT BOX CORNERS WITHOUT PRIOR APPROVAL FROM THE ENGINEER. SUMPS SHALL BE ZERO INCHES UNLESS OTHERWISE SHOWN. THERE SHALL BE NO MAN STEPS UNLESS OTHERWISE SHOWN.

Approved Construction Plan

Name: *Jill Walter* Date: *4-18-18*

Planning: *Jill Walter* 4-18-18

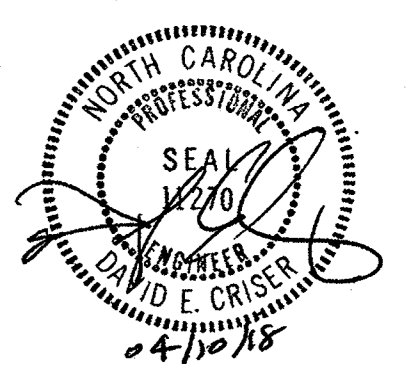
Traffic: *W. Williams* 4-18-18

Fire: *C. Williams* 4-19-18

WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN
Date: *4/19/18* by *JTB*

OWNER / DEVELOPER / APPLICANT
CAPE FEAR PUBLIC TRANSIT AUTHORITY (CFPTA)
ADDRESS:
P.O. BOX 12630
WILMINGTON, NORTH CAROLINA 28405-0130
PH: 910-343-0106
Fax 910-772-7942
Email: wavetransit@wavetransit.com

CRISER TROUTMAN TANNER
CONSULTING ENGINEERS NC
3809 Peachtree Ave., Suite 102
Wilmington, NC 28403
910.397.2929 Ph.
910.397.2971 Fax
www.ctengineering.com
Firm License Number: F-0113
7947.00

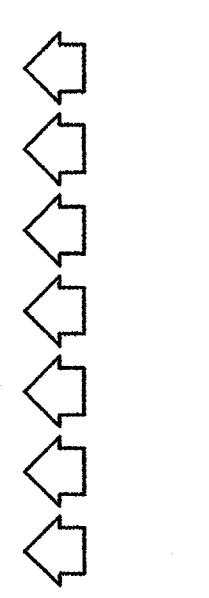


PROJECT ARCHITECT
 JOHN W. FARABOW, JR. AIA
 PROJECT MANAGER
 D. CRISER
 CHECKED BY
 D. CRISER
 DRAWN BY
 H. LEONARD

ISSUE DATE

4/1/2011	PRELIMINARY DESIGN/ APPROVAL
6/2/2011	CITY/TRC SUBMITTAL
6/2/2011	30% PERMIT/CONSTRUCTION SET
7/28/2011	TRC 1ST REVIEW RE-SUBMITTAL
8/1/2011	95% REVIEW SET
1/9/2010	PERMIT/CONSTRUCTION SET
3/16/2010	PERMIT/CONSTRUCTION SET
4/10/2010	PERMIT/CONSTRUCTION SET

REVISIONS

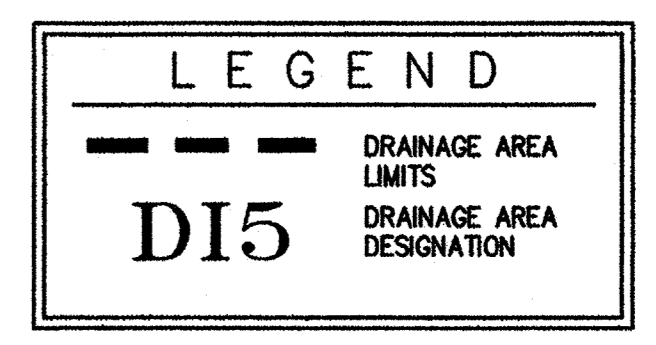
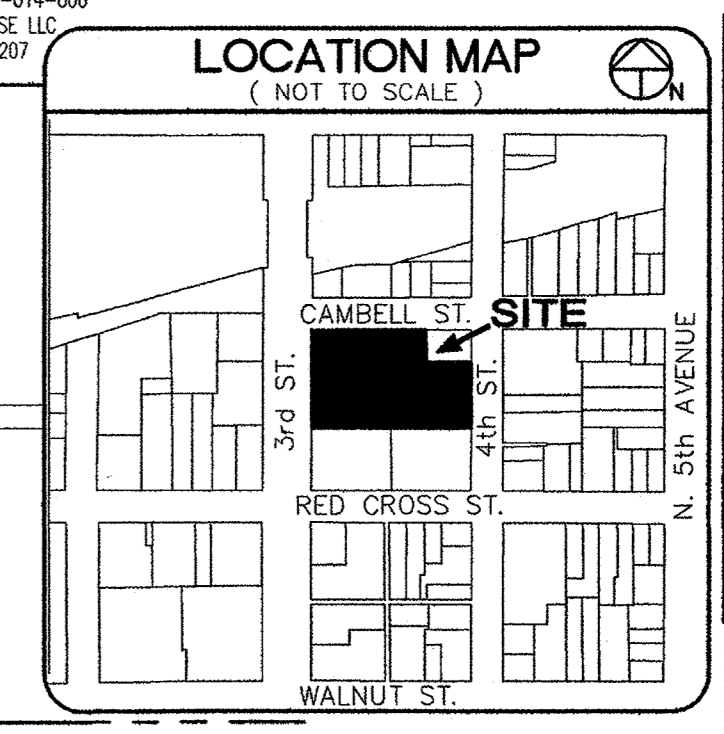


PROJECT NUMBER
186716.03

DRAWING NUMBER

DRAINAGE AREA PLAN

C11



CITY OF WILMINGTON
 NORTH CAROLINA
 Public Services • Engineering Division
 APPROVED STORMWATER MANAGEMENT PLAN
 Date: 4/19/18
 Signed: [Signature] 2/18/2018

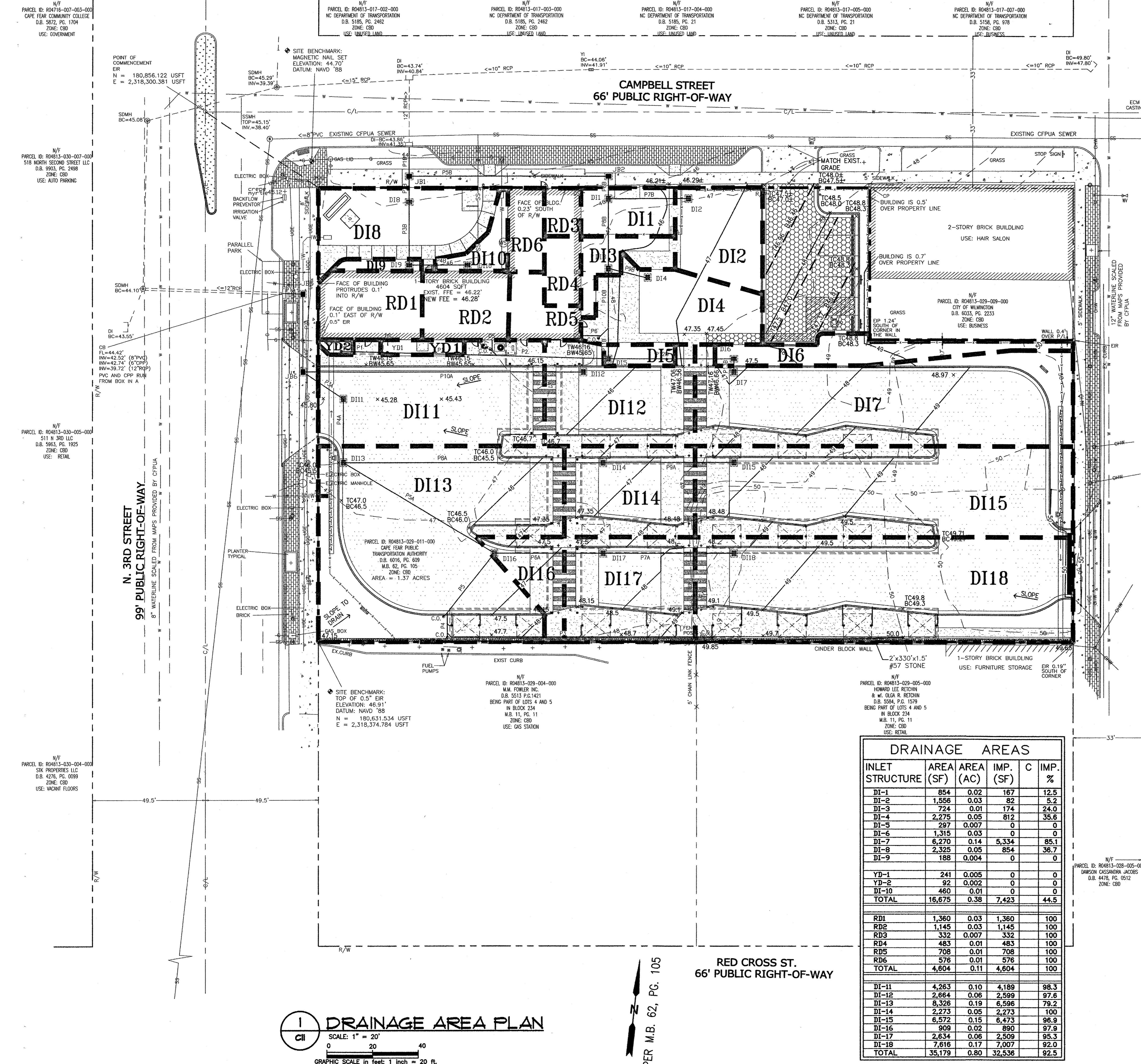
Approved Construction Plan
 Name: [Name]
 Date: [Date]
 Planning: [Signature] 4-18-18
 Traffic: [Signature] 4/18/18
 Fire: [Signature] 4-19-18

SURVEY BY: PORT CITY LAND SURVEYING, PLLC
 ENTITLED: ALTA/ACSM LAND TITLE SURVEY FOR CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY
 DATED: MARCH 13, 2017

OWNER / DEVELOPER / APPLICANT
CAPE FEAR PUBLIC TRANSIT AUTHORITY (CFPTA)
 ADDRESS:
 P.O. BOX 12630
 WILMINGTON, NORTH CAROLINA 28405-0130
 PH: 910-343-0106
 Fax 910-772-7942
 Email: wavetransit@wavetransit.com

CRISER TROUTMAN TANNER
 CONSULTING ENGINEERS NC
 3809 Peachtree Ave., Suite 102
 Wilmington, NC 28403
 910.397.2929 Ph.
 910.397.2974 Fax
 www.cttengineering.com
 Firm License Number: F-0113
 7947.00

DRAINAGE AREAS					
INLET STRUCTURE	AREA (SF)	AREA (AC)	IMP. (SF)	C	IMP. %
DI-1	854	0.02	167		12.5
DI-2	1,556	0.03	82		5.2
DI-3	724	0.01	174		24.0
DI-4	2,275	0.05	812		35.6
DI-5	297	0.007	0		0
DI-6	1,315	0.03	0		0
DI-7	6,270	0.14	5,334		85.1
DI-8	2,325	0.05	854		36.7
DI-9	188	0.004	0		0
YD-1	241	0.005	0		0
YD-2	92	0.002	0		0
DI-10	460	0.01	0		0
TOTAL	16,675	0.38	7,423		44.5
RD1	1,360	0.03	1,360		100
RD2	1,145	0.03	1,145		100
RD3	332	0.007	332		100
RD4	483	0.01	483		100
RD5	708	0.01	708		100
RD6	576	0.01	576		100
TOTAL	4,604	0.11	4,604		100
DI-11	4,263	0.10	4,189		98.3
DI-12	2,664	0.06	2,590		97.6
DI-13	8,326	0.19	8,596		79.2
DI-14	2,273	0.05	2,273		100
DI-15	6,572	0.15	6,473		98.5
DI-16	909	0.02	890		97.9
DI-17	2,634	0.06	2,509		95.3
DI-18	7,616	0.17	7,007		92.0
TOTAL	35,179	0.80	32,536		92.5

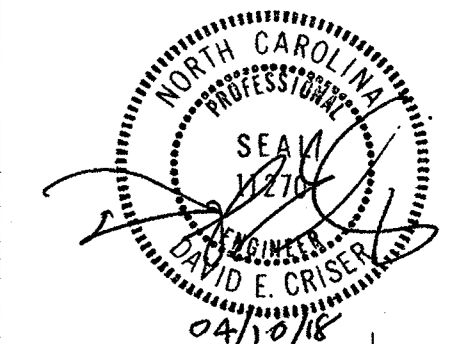


DRAINAGE AREA PLAN
 SCALE: 1" = 20'
 GRAPHIC SCALE in feet: 1 inch = 20 ft.

RED CROSS ST.
 66' PUBLIC RIGHT-OF-WAY

PER M.B. 62, PG. 105

CFPTA 3RD STREET TRANSIT STATION - 520 N. 3RD STREET - WILMINGTON, NORTH CAROLINA



PROJECT ARCHITECT
 JOHN W. FARABOW, JR., AIA
 PROJECT MANAGER
 D. CRISER
 CHECKED BY
 D. CRISER
 DRAWN BY
 H. LEONARD

ISSUE DATE

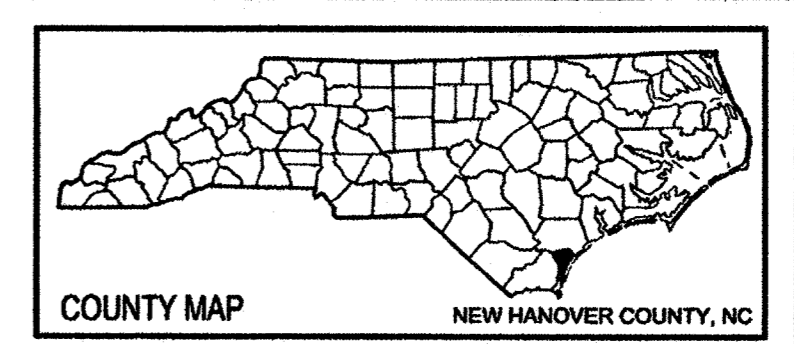
4/7/2017	PRELIMINARY DESIGN/APPROVAL
6/12/2017	CITY/TRC SUBMITTAL
6/12/2017	30% PERMIT/CONSTRUCTION SET
7/28/2017	TRC 1ST REVIEW RE-SUBMITTAL
8/7/2017	95% REVIEW SET
1/8/2018	PERMIT/CONSTRUCTION SET
4/18/2018	PERMIT/CONSTRUCTION SET

REVISIONS

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PROJECT NUMBER
186716.03
 DRAWING NUMBER
EXISTING IMPERVIOUS AREA PLAN

C12
 8 JANUARY 2018
 © 2018 by H R Associates, P.A.



Abandoned Line - Line Table

Line #	Direction	Length
L1	N83° 44' 58" E	165.50
L2	N09° 14' 41" W	1.00
L3	N83° 44' 58" E	76.11
L4	S09° 14' 41" E	66.17
L5	N83° 44' 58" E	165.50

LEGEND

- 1/1 P... POWER POLE
- 2/1 B... BENCHMARK POINT
- 3/1 S... SURVEY POINT
- 4/1 C... COMPLETED POINT
- 5/1 P... PROPERTY LINE
- 6/1 C... CENTERLINE
- 7/1 F... FENCE LINE
- 8/1 B... BRICK
- 9/1 P... PAVEMENT
- 10/1 S... SIDEWALK
- 11/1 P... PAVEMENT
- 12/1 S... SIDEWALK
- 13/1 P... PAVEMENT
- 14/1 S... SIDEWALK
- 15/1 P... PAVEMENT
- 16/1 S... SIDEWALK
- 17/1 P... PAVEMENT
- 18/1 S... SIDEWALK
- 19/1 P... PAVEMENT
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- 97/1 P... PAVEMENT
- 98/1 S... SIDEWALK
- 99/1 P... PAVEMENT
- 100/1 S... SIDEWALK

AREA TABLE

PARCEL #	ACREAGE
R04813-029-002-000	
R04813-029-008-000	
R04813-029-003-000	0.749 AC
R04813-029-011-000	0.370 AC
R04813-029-007-000	0.261 AC
TOTAL RECOMBINED ACREAGE: 1.370 ACRES	
IMPERVIOUS AREAS: CONCRETE AND ASPHALT - 24,300 SF	
EXISTING BUILDINGS - 15,493 SF	

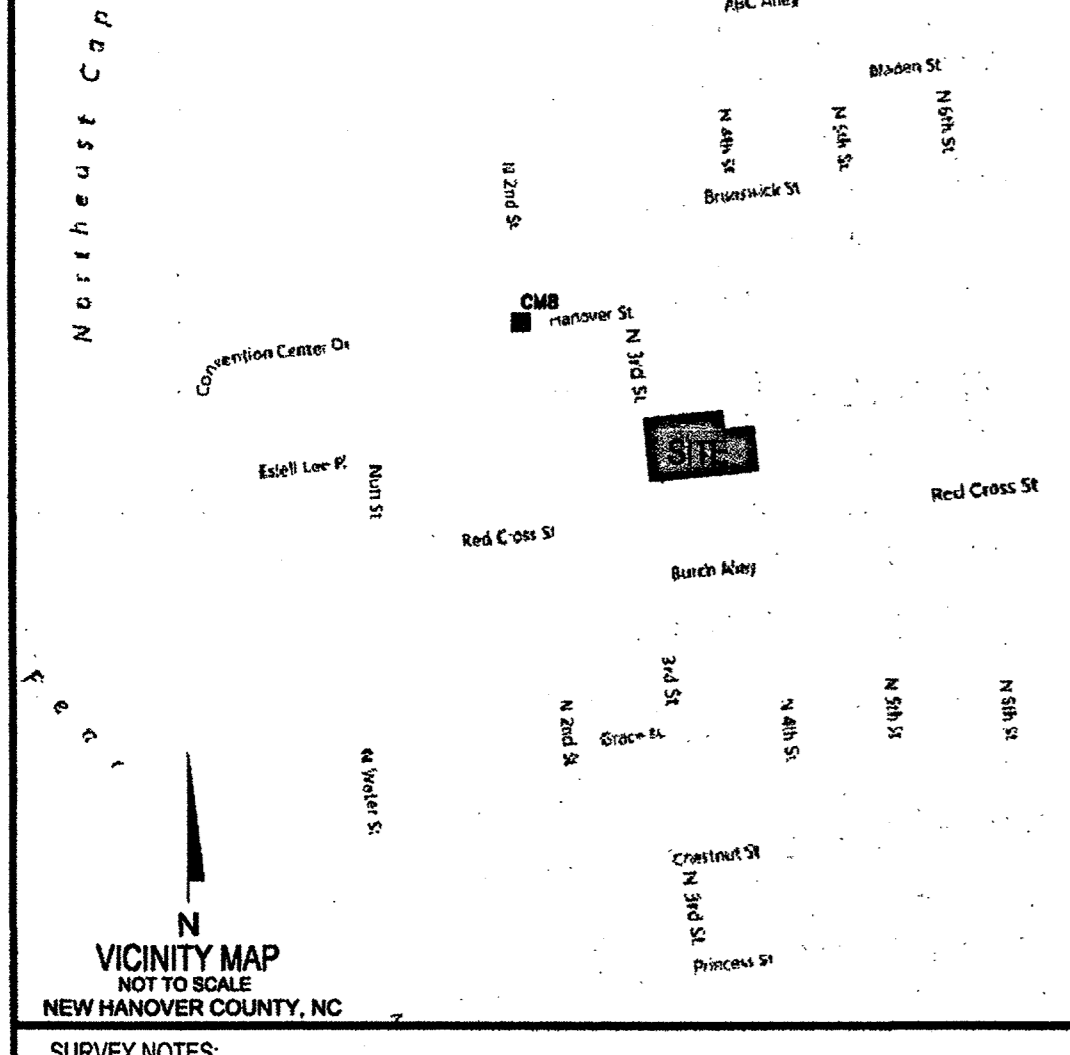
Approved Const. Plan
 Planning: J. Walter 4-18-18
 Public Utilities: J. Walter 4-18-18
 Fire: C. Wal 4-18-18

- This plat is derived from information gathered by an actual field survey made by the office and dated August, 2016.
- Horizontal datum used for this project is NAD 1983 / NSRS 2011 (US Survey Feet).
- The ground control coordinates are localized coordinates based on the centerline monument at Hanover Street and Second Street "CMB".
- Project combined grid factor used is 1.000029872 for "CMB".
- The primary survey control azimuth was established using the NC VRS Network and verified using NGS control.
- All distances are horizontal ground measurements unless otherwise noted.
- All areas computed by coordinate computation method.
- Subsurface utility investigation was not performed as a part of this project.
- The purpose of this survey is to recombine lots as shown for convenience to the City of Wilmington.
- This report provided by NCDOT and prepared by Pollock and Pollock Attorneys at Law, P.A. dated September 8, 2006; September 7, 2006; October 30, 2006, and February 5, 2016.
- All improvements not shown, impervious improvements are shown as of May 2016. AREC 9, LLC property demolition has occurred since that date.

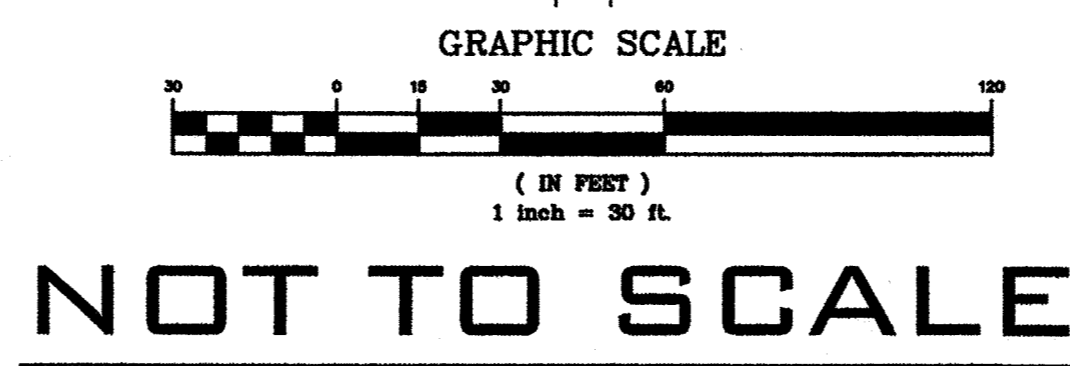
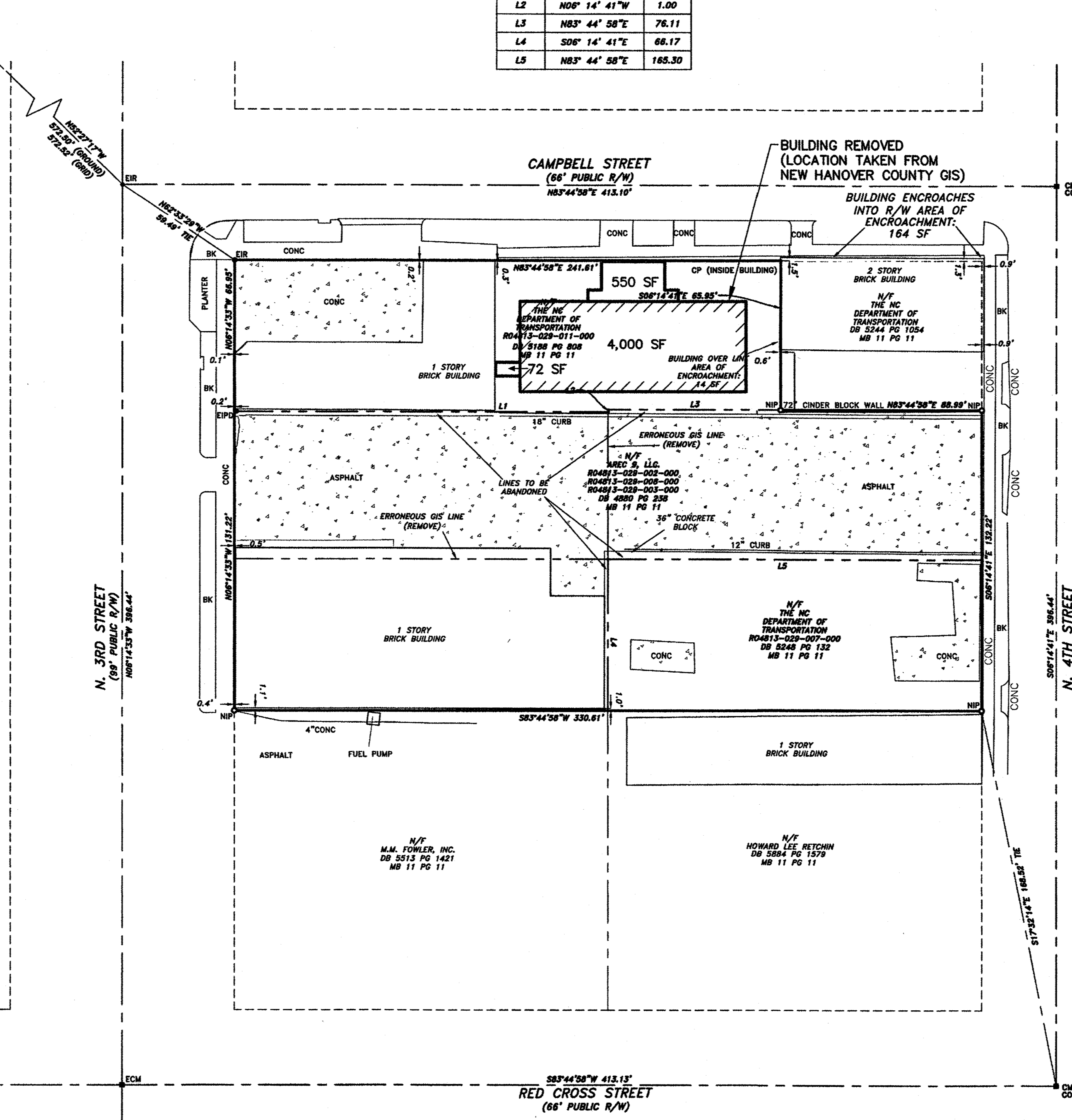
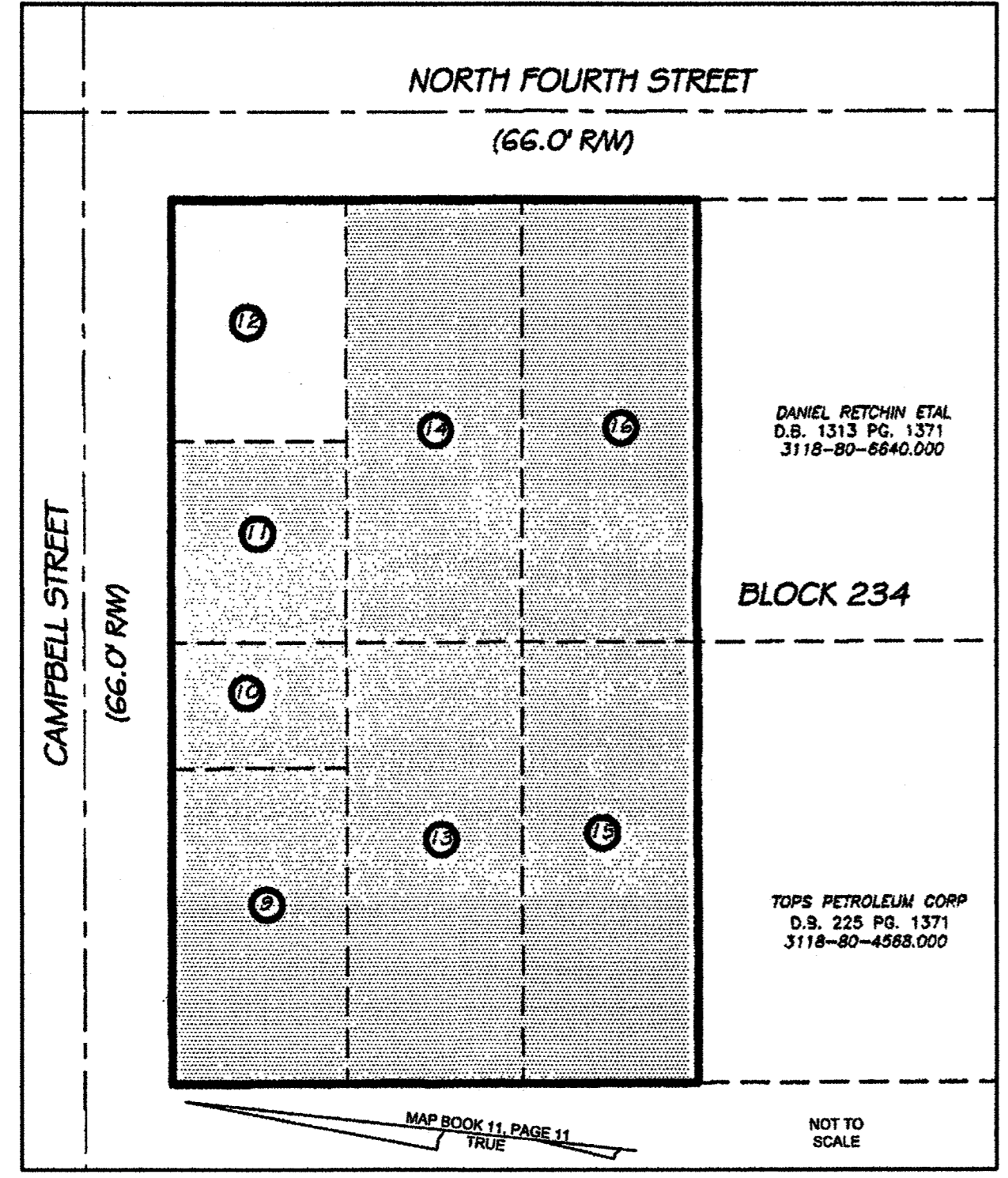
DATE	SCALE
8/11/2016	1" = 30'
DRAWN BY	J.W.S.
CHECKED BY	B.F.F.
REVISIONS	
-DESCRIPTION-	BOUNDARY PLAT
SHEET	1 OF 1

THIS SURVEY WAS PERFORMED TO MEET FEDERAL GEOGRAPHIC DATA COMMITTEE STANDARDS AS APPLICABLE THAT THE ORIGINAL GPS DATA WAS OBTAINED ON JULY 28, 2016. THAT THE FIELD LOCATION WAS COMPLETED ON AUGUST 2, 2016. THE PRIMARY STATE PLANE ADJUSTED COORDINATES SHOWN HEREON ARE NORTH CAROLINA STATE PLANE VALUES (IPRS 2011) BASED ON THE NAD 1983 (NSRS 2011) HAVO 1988 (NSRS 1988) ADJUSTMENT AS POSITIONED BY THE NCOS VRS NETWORK FROM OBSERVATIONS MADE BY THIS OFFICE USING TRIMBLE GNSS R4-B MODEL 4 SURVEY GRADE DUAL FREQUENCY RECEIVERS AND OBSERVED USING MULTIPLE SESSIONS A MINIMUM OF 240 EPOCHS. ALL OTHER COORDINATES ARE LOCALIZED GROUND COORDINATES DERIVED FROM CONVENTIONAL METHODS BY THIS OFFICE. THIS SURVEY WAS COMPLETED TO MEET THE ASPRS STANDARDS FOR CLASS 1 MAP ACCURACY AT 1:300 (1" = 30'). ALL REPORTED VALUES ARE U.S. SURVEY FEET.

GPS STATEMENT
 GEODETTIC CONTROL TIE (REFERENCE VICINITY MAP)
 NCDOT STATE PLANE COORDINATES "CMB"
 NORTHING= 181,204.837' (NAD 1983 / 2007)
 EASTING= 2,317,846.481' (NAD 1983 / 2007)
 OBSERVED STATE PLANE COORDINATES
 NORTHING= 181,204.820' (NAD 1983 / 2011)
 EASTING= 2,317,846.520' (NAD 1983 / 2011)
 PRIMARY LOCALIZED GROUND COORDINATES
 CM1
 NORTHING= 180,900.9450
 EASTING= 2,318,711.0780
 CM2
 NORTHING= 180,508.8640
 EASTING= 2,318,754.2170



SURVEY NOTES:



NORTH CAROLINA
 NEW HANOVER COUNTY

I, Benjamin F. Farrow III, certify that this field survey and subsequent plat were drawn under my direct supervision from an actual survey made under my direct supervision and referenced in the New Hanover County Register of Deeds from Deed Book 5188 Page 808, Deed Book 5244 Page 1054, Deed Book 4880 Page 238, Deed Book 5248 Page 132 & Map Cabinet 11 Page 11 (Portion of Lot 1 & all of Lots 2 and 3, Block 234), that the boundaries not surveyed are clearly indicated as broken lines and drawn from referenced record information as shown on plat; that the unadjusted conventional ratio of precision as calculated is 1:24,825; that this survey is of another category, such as the recombination of existing parcels, a court-ordered survey, or other exception to the definition of subdivision and does not create a new street; that this plat was prepared in accordance with G.S. 41-30 as amended. Witness my original signature, registration number and seal this day of August, A.D., 2016.

"PRELIMINARY PLAT"
 NOT FOR RECORDATION, CONVEYANCE, OR SALES
 Professional Land Surveyor Number L-5104

NORTH CAROLINA
 NEW HANOVER COUNTY
 Filed for registration on the _____ day of _____, 2016,
 at (A.M./P.M.) and duly recorded in map book _____, at page _____
 Register of Deeds

NORTH CAROLINA
 NEW HANOVER COUNTY
 I, _____, Review Officer of New Hanover County, certify that the map or plat to which this certification is affixed meets all statutory requirements for recording.
 Review Officer Date

1
C12 EXISTING IMPERVIOUS AREA PLAN
 SCALE: NOT TO SCALE

STORMWATER MANAGEMENT PLAN
 APPROVED
 CITY OF WILMINGTON
 ENGINEERING DEPARTMENT
 DATE 4/19/18
 SIGNED [Signature]

OWNER / DEVELOPER / APPLICANT
 CAPE FEAR PUBLIC TRANSIT AUTHORITY (CFPTA)
 ADDRESS:
 P.O. BOX 12630
 WILMINGTON, NORTH CAROLINA 28405-0130
 PH: 910-343-0106
 Fax 910-772-7942
 Email: wavetransit@wavetransit.com

CRISER TROUTMAN TANNER
 CONSULTING ENGINEERS NC
 3809 Peschtree Ave., Suite 102
 Wilmington, NC 28403
 910.397.2929 Ph.
 910.397.2971 Fax
 www.cttengineering.com
 Firm License Number: F-0113
 7947.00

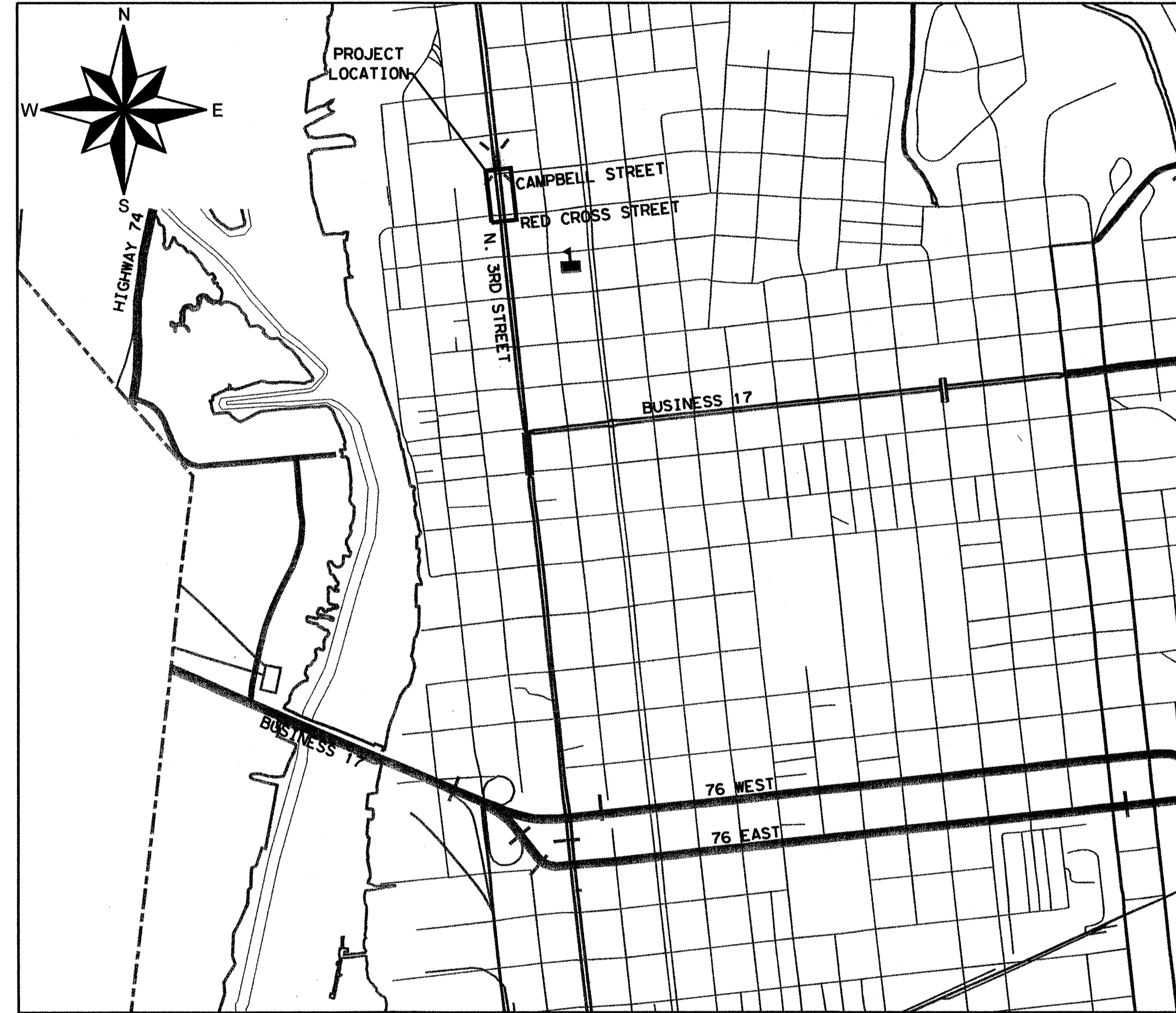


CFPTA 3RD STREET TRANSIT STATION - 520 N. 3RD STREET - WILMINGTON, NORTH CAROLINA

THIRD STREET TRANSIT STATION

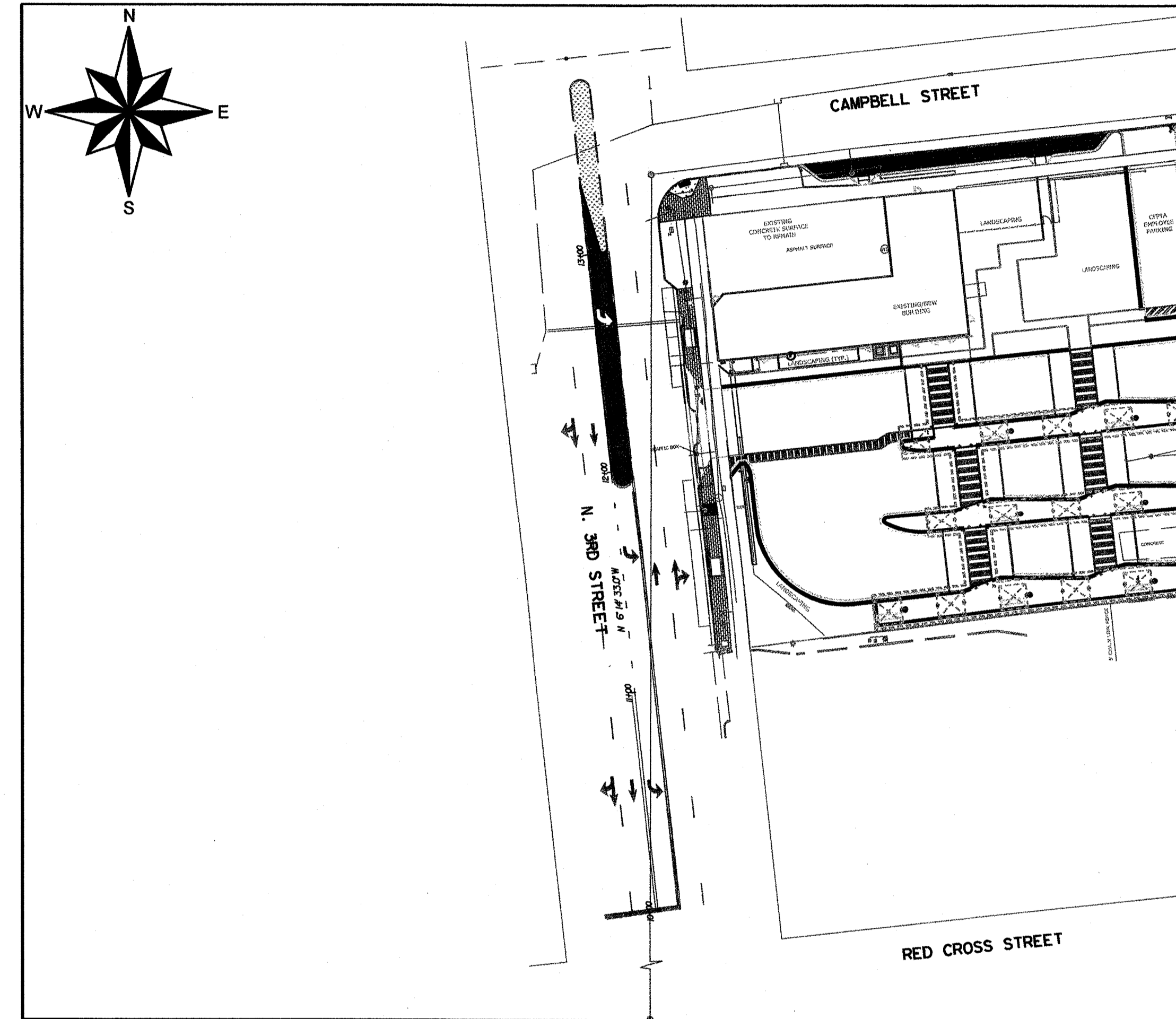
SITE DEVELOPMENT

WILMINGTON, NEW HANOVER COUNTY, NORTH CAROLINA



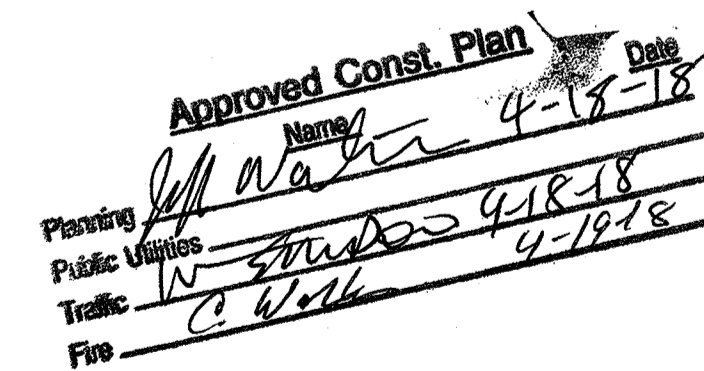
VICINITY MAP

NOT TO SCALE



PROJECT LOCATION MAP

NOT TO SCALE



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

NOTES:

NCDOT 2018 STANDARD SPECIFICATIONS APPLY TO THESE PLANS.

ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO THE FINAL CONNECTIONS OF SERVICES.

ATTENTION IS DRAWN TO THE FACT THAT THE SCALE OF THESE DRAWINGS MAY HAVE BEEN DISTORTED DURING THE REPRODUCTION PROCESS.

THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY DAVENPORT TRANSPORTATION CONSULTING SHALL BE WITHOUT LIABILITY TO DAVENPORT TRANSPORTATION CONSULTING.

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- CS-2 TO CS-4 GENERAL NOTES
- CS-5 TYPICAL SECTIONS
- CS-6 ROADWAY AND PAVEMENT MARKING PLAN
- CS-7 PARKING IMPACT EXHIBIT

OWNER:

CAPE FEAR TRANSPORTATION AUTHORITY
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WILMINGTON, NC 28405-0130
P: (910) 202-2035

CONTACT: ALBERT EBY

ENGINEER:

DAVENPORT
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WILMINGTON, NC 28403
P: (910) 251-8912
FIRM LICENSE NO: C-2522

CONTACT: DAN CUMBO, PE

CIVIL ENGINEER:

CRISER TROUTMAN TANNER CONSULTING ENGINEERS
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CFPTA 3RD STREET TRANSIT STATION - 520 N. 3RD STREET - WILMINGTON, NORTH CAROLINA



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Designed by
Daniel R. Cumbo
04/12/2018

PROJECT ENGINEER

JEREMY RUNKLE, PE

PROJECT MANAGER

DAN CUMBO, PE

CHECKED BY

DAN CUMBO, PE

DRAWN BY

CAMERON CLAYTON, EI

ISSUE DATE

- 02/2017 PRELIMINARY DESIGN / APPROVAL
- 01/2017 CITY/IRC SUBMITTAL
- 01/2017 30% PERMIT/CONSTRUCTION SET
- 7/26/2017 IRC 1ST REVIEW RE-SUBMITTAL
- 8/7/2017 95% REVIEW SET
- 01/02/2018 PERMIT/CONSTRUCTION SET

REVISIONS

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PROJECT NUMBER

186716.03

SHEET DESCRIPTION

COVER SHEET

CS-1

GENERAL NOTES

STATEMENT OF WORK: THIS PROJECT CONSISTS OF THE CONSTRUCTION OF AN ACCESS POINT, MEDIAN MODIFICATIONS, AND LEFT TURN LANE INTO THE THIRD STREET TRANSIT STATION SITE DEVELOPMENT FROM N THIRD STREET. SPECIFIC IMPROVEMENTS ARE DETAILED HEREIN.

GENERAL: CONTRACTOR IS TO SCHEDULE AND COORDINATE WORK BY OTHERS. CONTRACTOR SHALL VISIT THE SITE TO INFORM AND SATISFY HIMSELF OF ALL EXISTING CONDITIONS PRIOR TO SUBMITTING HIS BID. ANY DISCREPANCY BETWEEN THE SITE AND THOSE CONDITIONS REPRESENTED ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND THE ENGINEER IMMEDIATELY.

THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY AND THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

THE CONTRACTOR SHALL VERIFY THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED FROM THE APPROPRIATE AUTHORITIES BEFORE BEGINNING WORK ON THE PROJECT.

CONTACT TRAFFIC ENGINEERING AT (910) 341-7888 FORTY-EIGHT (48) HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT-OF-WAY.

CLEARING: CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD II.

SIDE ROADS: THE CONTRACTOR WILL BE REQUIRED TO DO ALL NECESSARY WORK TO PROVIDE SUITABLE CONNECTIONS WITH ALL ROADS, STREETS AND DRIVES ENTERING THIS PROJECT. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PARTICULAR ITEMS INVOLVED.

UTILITIES: THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES DURING CONSTRUCTION. AT LEAST 48 HOURS PRIOR TO ANY DEMOLITION, GRADING, OR CONSTRUCTION ACTIVITY THE CONTRACTOR SHALL NOTIFY THE NORTH CAROLINA ONE-CALL UTILITIES LOCATION SERVICE AT 1-800-632-4949 FOR PROPER IDENTIFICATION OF EXISTING UTILITIES WITHIN THE PROJECT SITE.

THE CONTRACTOR IS RESPONSIBLE FOR THE REPAIR AND REPLACEMENT OF ANY UTILITIES DAMAGED DURING CONSTRUCTION. DAMAGED ITEMS SHALL BE REPAIRED TO AT LEAST THE QUALITY OF WORKMANSHIP FOUND IN THE ORIGINAL ITEM.

ANY RELOCATION OF EXISTING UTILITIES WILL BE ACCOMPLISHED BY OTHERS, EXCEPT AS SHOWN ON THE PLANS. CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY COORDINATION.

A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET. NOTE THIS ON THE PLAN AND CONTACT (910) 341-5888 FOR MORE DETAILS. IN CERTAIN CASES, AN ENTIRE RESURFACING OF THE AREA BEING OPEN CUT MAY BE REQUIRED.

SUBSURFACE: NO SUBSURFACE INVESTIGATIONS OR PLANS ARE AVAILABLE FOR THIS PROJECT. THE CONTRACTOR SHOULD MAKE HIS OWN INVESTIGATION AS TO THE SUBSURFACE CONDITIONS.

SIGNING AND PAVEMENT MARKINGS: ALL SIGNS AND PAVEMENT MARKINGS IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS.

ALL PAVEMENT MARKINGS IN THE PUBLIC RIGHT-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.

PAVEMENT MARKINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL HAVE THE PAVEMENT MARKINGS PRE-MARKED, INSPECTED, AND APPROVED BY CITY PERSONNEL PRIOR TO THE PLACEMENT OF FINAL PAVEMENT MARKINGS.

ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREAS SHALL BE WHITE.

SIGN POST INSTALLATION SHALL BE IN ACCORDANCE WITH NCDOT STANDARDS.

SIGN HOLES ARE TO BE CORED TO SUBGRADE AND FILLED WITH SAND.

TRAFFIC CONTROL: TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH NCDOT STANDARDS AND THE TRAFFIC CONTROL PLANS INCLUDED HEREIN.

ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT-OF-WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MUTCD STANDARDS.

SURVEY: SURVEY WAS PROVIDED BY CAPE FEAR ENGINEERING. THE CONTRACTOR IS TO COORDINATE WITH THE SURVEYOR PRIOR TO GEOMETRIC LAYOUT.

SAW CUTS: THE CONTRACTOR SHALL SAW CUT EXISTING ASPHALT AND/OR CONCRETE SURFACES PRIOR TO REMOVAL UNLESS DIRECTED BY THE ENGINEER. SAW CUT WIDTH SHALL BE 1 FOOT MINIMUM FROM THE EXISTING OR PROPOSED EDGE OF ASPHALT PAVEMENT.

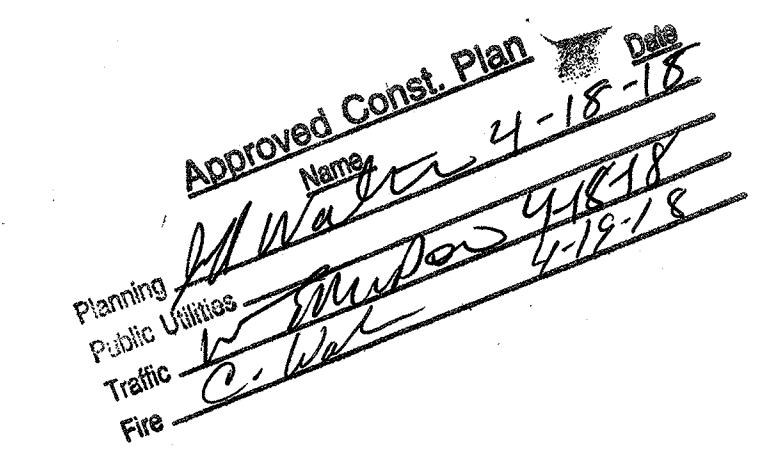
QUALITY ASSURANCE: SATISFYING QUALITY ASSURANCE PERMIT REQUIREMENTS MAY BE NECESSARY PRIOR TO CITY ACCEPTING PROJECT IMPROVEMENTS WITHIN CITY R/W AND SUBSEQUENTLY RELEASING ANY PERMIT AND PERFORMANCE BOND. THE OWNER IS RESPONSIBLE FOR RETAINING THE APPROPRIATE PROFESSIONALS FOR ANY QUALITY ASSURANCE CERTIFICATIONS REQUIRED UNDER THE PERMIT. THESE MAY INCLUDE CERTIFICATION MEMORANDA, COMPLETION OF QMS (MV1 & MV2) FORMS, CERTAIN INSPECTION AND TESTING REPORTS, AS WELL AS SUPPORTING DOCUMENTATION AND CALCULATIONS. VERIFICATIONS INCLUDE, BUT ARE NOT LIMITED TO, SUB-GRADE, PAVEMENT STRUCTURE, DRAINAGE, AND TRAFFIC CONTROL ITEMS. CONTRACTOR SHALL ENSURE THE OWNER IS AWARE OF AND HAS PROPERLY ADDRESSED THESE PERMIT REQUIREMENTS.

CONTRACTOR SHALL PROVIDE ADVANCED NOTIFICATION TO THE RESPECTIVE PROFESSIONALS RESPONSIBLE FOR CONSTRUCTION QUALITY ASSURANCE.

STANDARDS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS - RALEIGH, N. C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

- 200.02 METHOD OF CLEARING - METHOD II
654.01 PAVEMENT REPAIRS
846.01 CONCRETE CURB, GUTTER AND CURB & GUTTER
903.10 GROUND MOUNTED SIGN SUPPORTS
904.10 ORIENTATION OF GROUND MOUNTED SIGNS
904.50 MOUNTING OF TYPE 'D', 'E' and 'F' SIGNS ON 'U' CHANNEL POSTS
1101.01 WORK ZONE ADVANCE WARNING SIGNS
1101.02 TEMPORARY LANE CLOSURES
1101.11 TRAFFIC CONTROL DESIGN TABLES
1110.01 STATIONARY WORK ZONE SIGNS
1110.02 PORTABLE WORK ZONE SIGNS
1115.01 FLASHING ARROW BOARDS
1130.01 DRUM
1205.01 PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02 PAVEMENT MARKINGS - DIVIDED AND UNDIVIDED ROADWAYS
1205.04 PAVEMENT MARKINGS - INTERSECTIONS
1205.05 PAVEMENT MARKINGS - TURN LANES
1205.08 PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09 PAVEMENT MARKINGS - PAINTED ISLANDS
1250.01 PAVEMENT MARKER SPACING
1251.01 RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY
1264.02 OBJECT MARKERS



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Designed by Daniel R. Cumbo 04/12/2018

PROJECT ENGINEER JEREMY RUNKLE, PE PROJECT MANAGER DAN CUMBO, PE CHECKED BY DAN CUMBO, PE DRAWN BY CAMERON CLAYTON, EI

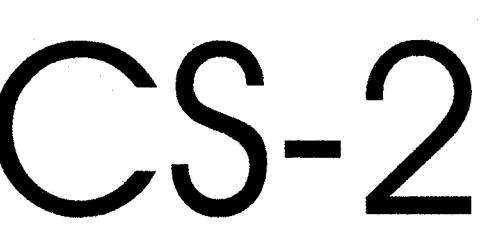
ISSUE DATE

- 4/27/2017 PRELIMINARY DESIGN / APPROVAL
4/12/2017 CITY/IRC SUBMITTAL
4/12/2017 30% PERMIT/CONSTRUCTION SET
7/28/2017 IRC 1ST REVIEW RE-SUBMITTAL
8/7/2017 95% REVIEW SET
4/10/2018 PERMIT/CONSTRUCTION SET

REVISIONS



PROJECT NUMBER 186716.03 SHEET DESCRIPTION GENERAL NOTES (1)



CEPTA 3RD STREET TRANSIT STATION - 520 N. 3RD STREET - WILMINGTON, NORTH CAROLINA



TRAFFIC CONTROL PLAN GENERAL NOTES

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS, OR RESULT IN DUPLICATE, OR UNDESIRED OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING OR REMOVAL OF DEVICES, AS DIRECTED BY THE ENGINEER OR NCDOT.

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER OR NCDOT.

PROJECT NOTES

A. DO NOT CONDUCT ANY HAULING OPERATIONS AGAINST THE FLOW OF TRAFFIC OF AN OPEN TRAVELWAY UNLESS THE HAULING OPERATION IS PROTECTED BY BARRIER OR GUARDRAIL OR AS DIRECTED BY THE ENGINEER.

LANE AND SHOULDER CLOSURE REQUIREMENTS

B. REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED, OR AS DIRECTED BY THE ENGINEER.

C. WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.

D. WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO A DIVIDED FACILITY AND WITHIN 10 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

E. WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITH THE CLOSED TRAVEL LANE.

F. DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.

PAVEMENT EDGE DROP OFF REQUIREMENTS

G. BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPENED TRAVEL LANE THAT HAS AN EDGE OF PAVEMENT DROP-OFF AS FOLLOWS:

BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.

BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.

BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER.

H. DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 350 FEET IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

SIGNING

I. INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.

J. ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

K. INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 100 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC BARRIER

L. INSTALL TEMPORARY BARRIER ACCORDING TO THE TRAFFIC CONTROL PLANS A MAXIMUM OF TWO (2) WEEKS PRIOR TO BEGINNING WORK IN ANY LOCATION. ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION, PROCEED IN A CONTINUOUS MANNER TO COMPLETE THE PROPOSED WORK IN THAT LOCATION UNLESS OTHERWISE STATED IN THE TRAFFIC CONTROL PLANS OR AS DIRECTED BY THE ENGINEER.

DO NOT PLACE BARRIER DIRECTLY ON ANY SURFACE OTHER THAN ASPHALT OR CONCRETE.

ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION AND NO WORK IS PERFORMED BEHIND THE TEMPORARY BARRIER FOR A PERIOD LONGER THAN TWO (2) MONTHS, REMOVE/RESET TEMPORARY BARRIER UNLESS OTHERWISE STATED IN THE TRAFFIC CONTROL PLANS, TEMPORARY BARRIER IS PROTECTING A HAZARD, OR AS DIRECTED BY THE ENGINEER.

INSTALL AND SPACE DRUMS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH) TO CLOSE OR KEEP THE SECTION OF THE ROADWAY CLOSED UNTIL THE TEMPORARY BARRIER CAN BE PLACED OR AFTER THE TEMPORARY BARRIER IS REMOVED.

M. PROTECT THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER AT ALL TIMES DURING THE INSTALLATION AND REMOVAL OF THE BARRIER BY EITHER A TRUCK MOUNTED IMPACT ATTENUATOR (MAXIMUM 72 HOURS) OR A TEMPORARY CRASH CUSHION.

PROTECT THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER FROM ONCOMING TRAFFIC AT ALL TIMES BY A TEMPORARY CRASH CUSHION UNLESS THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER IS OFFSET FROM ONCOMING TRAFFIC AS FOLLOWS OR AS SHOWN IN THE PLANS:

POSTED SPEED LIMIT	MINIMUM OFFSET
40 OR LESS	15 FT
45-50	20 FT
55	25 FT
60 MPH or HIGHER	30 FT

TRAFFIC PATTERN ALTERATIONS

N. NOTIFY THE ENGINEER TWENTY ONE (21) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

TRAFFIC CONTROL DEVICES

O. SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH), EXCEPT 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY, WHEN LANE CLOSURES ARE NOT IN EFFECT. WHEN SKINNY DRUMS ARE ALLOWED, REFER TO SECTION 1180 OF STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES OR AS SHOWN IN THE PLANS.

P. PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

Q. PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES (DRUMS, CONES OR SKINNY DRUMS) PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.

R. ONLY UNIFORMED POLICE OFFICERS SHALL DIRECT TRAFFIC THROUGH SIGNALIZED INTERSECTIONS. THE TRAFFIC SIGNAL MAY BE PUT INTO FLASHING OPERATION OR MAY REMAIN IN NORMAL OPERATION AT THE DISCRETION OF THE OFFICER.

OFFICERS SHALL BE PROPERLY ATTIRED AND SHALL DIRECT TRAFFIC WITH HAND MOTIONS. FLASHLIGHTS WITH RED CONES SHOULD BE USED AT NIGHT. OFFICERS MAY ALSO USE A WHISTLE TO SIGNAL WHEN THEY ARE CHANGING THE DIRECTION OF THE RIGHT OF WAY.

PAVEMENT MARKING AND MARKERS

S. INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:

ROAD NAME	MARKING	MARKER
ALL	THERMO	RAISED PAVEMENT MARKERS

T. INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:

ROAD NAME	MARKING	MARKER
ALL	PAINT	NONE

U. PLACE ONE APPLICATION OF PAINT FOR TEMPORARY TRAFFIC PATTERNS. PLACE A SECOND APPLICATION OF PAINT SIX (6) MONTHS AFTER THE INITIAL APPLICATION AND EVERY SIX MONTHS AS DIRECTED BY THE ENGINEER.

V. TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

W. REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

MISCELLANEOUS

X. IN THE EVENT A TIE-IN CANNOT BE MADE IN ONE DAYS TIME, BRING THE TIE-IN AREA TO AN APPROPRIATE ROADWAY ELEVATION, AS DETERMINED BY THE ENGINEER. PLACE BLACK ON ORANGE "LOOSE GRAVEL" SIGNS (W8-7) AND BLACK ON ORANGE "PAVEMENT ENDS" SIGNS (W8-3) AND RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.

PHASING NOTES

PHASE 1
STEP 1
INSTALL ADVANCE WARNING SIGNS ON THIRD STREET AND ALL SIDE STREETS IN ACCORDANCE WITH NCDOT STD. 1101.01.

STEP 2
CLOSE INSIDE TRAVEL LANES ON SOUTHBOUND AND NORTHBOUND THIRD STREET IN ACCORDANCE WITH NCDOT STD. 1101.02 SHEET 3 OF 15.

CONSTRUCT ASPHALT PAVEMENT, CONCRETE CURB, FINAL PAVEMENT MARKINGS, ETC. IN THE MEDIAN OF THIRD STREET.

DAY AND TIME RESTRICTIONS

*PEAK HOURS RESTRICTED - THE CONTRACTOR SHALL NOT CLOSE OR NARROW A LANE OF TRAFFIC DURING THE FOLLOWING TIMES:

MONDAY - FRIDAY 6:00AM-9:00AM AND 4:00PM-7:00PM

IN ADDITION, THE CONTRACTOR SHALL NOT CLOSE OR NARROW A LANE OF TRAFFIC ON THIRD STREET, DETAIN AND/OR ALTER THE TRAFFIC FLOW ON OR DURING HOLIDAYS, HOLIDAY WEEKENDS, SPECIAL EVENTS, OR ANY OTHER TIME WHEN TRAFFIC IS UNUSUALLY HEAVY, INCLUDING THE FOLLOWING SCHEDULES:

HOLIDAY AND HOLIDAY WEEKEND LANE CLOSURE RESTRICTIONS

1. FOR UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.

2. FOR NEW YEAR'S DAY, BETWEEN THE HOURS OF 6:00AM DECEMBER 31ST AND 8:00PM JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY, THEN UNTIL 8:00PM THE FOLLOWING TUESDAY.

3. FOR EASTER, BETWEEN THE HOURS OF 6:00AM THURSDAY AND 8:00PM MONDAY.

4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00AM FRIDAY AND 8:00PM TUESDAY.

5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00AM THE DAY BEFORE INDEPENDENCE DAY AND 8:00PM THE DAY AFTER INDEPENDENCE DAY.

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY, THEN BETWEEN THE HOURS OF 6:00AM THE THURSDAY BEFORE INDEPENDENCE DAY AND 8:00PM THE TUESDAY AFTER INDEPENDENCE DAY.

6. FOR LABOR DAY, BETWEEN THE HOURS OF 6:00AM FRIDAY AND 8:00PM TUESDAY.

7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00AM TUESDAY AND 8:00PM MONDAY.

8. FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00AM THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 8:00PM THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS DAY.

HOLIDAYS AND HOLIDAY WEEKENDS SHALL INCLUDE NEW YEAR'S, EASTER, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY THANKSGIVING, AND CHRISTMAS. THE CONTRACTOR SHALL SCHEDULE HIS WORK SO THAT LANE CLOSURES WILL NOT BE REQUIRED DURING THESE PERIODS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

THE TIME OF AVAILABILITY FOR THIS INTERMEDIATE CONTRACT WORK SHALL BE THE TIME THE CONTRACTOR BEGINS TO INSTALL ALL TRAFFIC CONTROL DEVICES FOR LANE CLOSURES ACCORDING TO THE TIME RESTRICTIONS LISTED HEREIN.

THE COMPLETION TIME FOR THIS INTERMEDIATE CONTRACT WORK SHALL BE THE TIME THE CONTRACTOR IS REQUIRED TO COMPLETE THE REMOVAL AL OF ALL TRAFFIC CONTROL DEVICES FOR LANE CLOSURES ACCORDING TO THE TIME RESTRICTIONS STATED ABOVE AND PLACE TRAFFIC IN THE EXISTING TRAFFIC PATTERN.

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 Const. Plan
Name: *[Signature]* Date: 4-18-18
Planning: *[Signature]*
Public Utilities: *[Signature]*
Traffic: *[Signature]*
Fire: *[Signature]*

STORMWATER MANAGEMENT PLAN
APPROVED
CITY OF WILMINGTON
ENGINEERING DEPARTMENT
DATE 4/19/18
SIGNED *[Signature]*

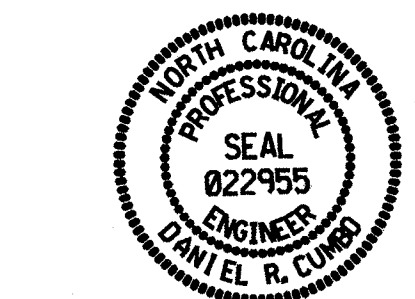


H R ASSOCIATES PA
ARCHITECTURE
PLANNING
INTERIOR DESIGN

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Designed by:
Daniel R. Cumbo
04/12/2018

PROJECT ENGINEER
JEREMY RUNKLE, PE

PROJECT MANAGER
DAN CUMBO, PE

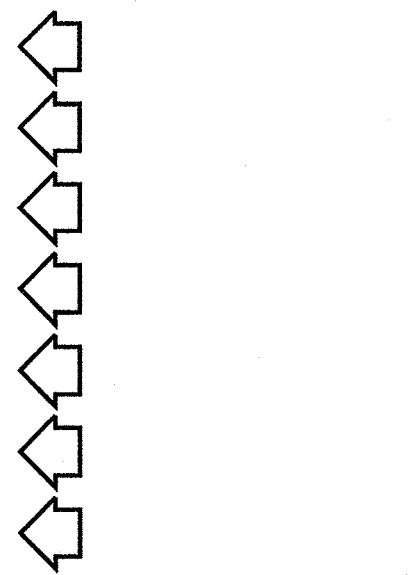
CHECKED BY
DAN CUMBO, PE

DRAWN BY
CAMERON CLAYTON, EI

ISSUE DATE

4/27/2017	PRELIMINARY DESIGN / APPROVAL
6/12/2017	CITY/ITC SUBMITTAL
6/12/2017	30% PERMITS/CONSTRUCTION SET
7/26/2017	ITC 1ST REVIEW RE-SUBMITTAL
8/7/2017	95% REVIEW SET
4/10/2018	PERMITS/CONSTRUCTION SET

REVISIONS



PROJECT NUMBER

186716.03

SHEET DESCRIPTION

GENERAL NOTES (2)

CS-3

CEPTA 3RD STREET TRANSIT STATION - 520 N. 3RD STREET - WILMINGTON, NORTH CAROLINA



EROSION CONTROL GENERAL NOTES

DISTURBED AREA < 1 AC

ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE EROSION CONTROL PLAN (ECP) AND THE STATE OF NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES DIVISION OF WATER QUALITY GENERAL PERMIT TO DISCHARGE STORMWATER UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.

CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE ECP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.

BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.

CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT AS WELL AS LIMITED TO THE AREAS OF DISTURBANCE.

CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES.

ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.

SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOATATION BOOMS SHALL BE MAINTAINED ON-SITE OR READILY AVAILABLE WITHIN A SPILL KIT TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.

DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OF TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.

RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORMWATER DISCHARGE INTO DRAINAGE DITCHES OR JURISDICTIONAL WATERS.

ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THE EROSION CONTROL PLAN, SHALL BE INITIATED AS SOON AS PRACTICABLE.

DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS STOPPED FOR AT LEAST 14 DAYS SHALL BE TEMPORARILY SEEDED. THESE AREAS SHALL BE SEEDED NO LATER THAN 14 DAYS FROM THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS.

DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY SEEDED. THESE AREAS SHALL BE SEEDED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN AND/OR LANDSCAPE PLAN.

IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OF MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE. WASH WATER MUST BE DISPOSED OF PROPERLY.

ALL MATERIALS SPILLED, DROPPED WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY. SEDIMENT SHALL BE REMOVED FROM THE ROADS BY SHOVELING OR SWEEPING AND TRANSPORTED TO A SEDIMENT CONTROL DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER.

CONTRACTORS OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING SEDIMENT FROM THE EROSION CONTROL BASINS AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.

SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.

DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, DIVERSION DITCHES, ETC.) TO PREVENT EROSION.

ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY.

THE CONTRACTOR SHALL INSTALL AND MAINTAIN THROUGHOUT THE PROJECT CONSTRUCTION ALL EROSION CONTROL MEASURES SHOWN WITHIN THESE PLANS IN ACCORDANCE WITH APPLICABLE NCDENR EROSION AND SEDIMENT CONTROL REGULATIONS.

ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NCDENR EROSION AND SEDIMENT CONTROL REGULATIONS, U.S. DEPARTMENT OF AGRICULTURE, AND U.S. SOIL CONSERVATION SERVICE REGULATIONS.

THE CONTRACTOR SHALL DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION CONTROL DEVICES AND STRUCTURES TO MINIMIZE EROSION. THE CONTRACTOR SHALL MAINTAIN CLOSE CONTACT WITH THE INSPECTOR SO THAT PERIODIC INSPECTIONS CAN BE PERFORMED AT APPROPRIATE STAGES OF CONSTRUCTION.

APPROVAL OF THIS PLAN IS NOT AN AUTHORIZATION TO GRADE ADJACENT PROPERTIES. WHEN FIELD CONDITIONS WARRANT OFF-SITE GRADING, PERMISSION MUST BE OBTAINED FROM THE AFFECTED PROPERTY OWNERS. CONTACT PROJECT ENGINEER AND PROJECT EROSION CONTROL INSPECTOR TO ENSURE ADDITIONAL EROSION CONTROL MEASURES ARE INSTALLED PRIOR TO OFF-SITE GRADING.

STABILIZATION IS THE BEST FORM OF EROSION CONTROL. ALL DISTURBED AREAS WHICH ARE NOT OTHERWISE STABILIZED SHALL BE TOP SOILED AND SEEDED, TEMPORARILY OR PERMANENTLY IN ACCORDANCE WITH THE NCDENR.

PERMANENT SEEDING AND GRASS ESTABLISHMENT IS REQUIRED PRIOR TO PROJECT COMPLETION AND ACCEPTANCE.

ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 15 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION.

WHEN A CRUSHED STONE CONSTRUCTION ENTRANCE HAS BEEN COVERED WITH SOIL OR HAS BEEN PUSHED INTO THE SOIL BY CONSTRUCTION TRAFFIC, IT SHALL BE REPLACED WITH A DEPTH OF STONE EQUAL TO THAT OF THE ORIGINAL APPLICATION.

SEDIMENT BASINS, PERIMETER DIKES, SEDIMENT BARRIERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT SHALL BE CONSTRUCTED AS A FIRST STEP IN ANY LAND-DISTURBING ACTIVITY AND SHALL BE MADE FUNCTIONAL BEFORE UP-SLOPE LAND DISTURBANCE TAKES PLACE.

STABILIZATION MEASURES SHALL BE APPLIED TO STRUCTURES SUCH AS DAMS, DIKES AND DIVERSIONS IMMEDIATELY AFTER INSTALLATION.

LIMITS OF GRADING SHOWN ON THE PLAN ARE MAXIMUM LIMITS FOR EROSION CONTROL PURPOSES ONLY.

ANY GRADING BEYOND THE DISTURBED LIMITS SHOWN ON THE PLAN IS A VIOLATION OF THE NORTH CAROLINA EROSION CONTROL ORDINANCE, AND IS SUBJECT TO A FINE.

GRADING MORE THAN ONE ACRE WITHOUT AN APPROVED EROSION CONTROL PLAN IS A VIOLATION OF THE NORTH CAROLINA EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.

SLOPES SHALL BE GRADED NO STEEPER THAT 2:1, UNLESS OTHERWISE SPECIFIED.

ON-SITE BURIAL PITS REQUIRE AN ON-SITE DEMOLITION LANDFILL PERMIT FROM THE ZONING ADMINISTRATOR.

IF NECESSARY, SLOPES THAT EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.

STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, UNLESS ACTIVITY IN THAT PORTION OF THE SITE WILL RESUME WITHIN FOURTEEN (14) DAYS.

ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL OCCURRENCE THAT EXCEEDS ONE-HALF (1/2) INCH. DAMAGED OR INEFFECTIVE DEVICES SHALL BE REPAIRED OR REPLACED, AS NECESSARY.

PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION.

ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFF-SITE SEDIMENTATION. ALL TEMPORARY CONTROL SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.

THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO THE PAVED ROADWAY CONSTRUCTION AREAS. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.

TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UP-SLOPE RUNOFF AND/OR DIVERT SEDIMENT - LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS. TEMPORARY SEDIMENT BASIN MUST BE MAINTAINED PRIOR TO TRANSITIONING TO PERMANENT DRY OR WET BASINS.

ANY STOCKPILING OF SOIL ON PAVED SURFACES SHALL HAVE SAND AND/OR ROCK SCREENINGS UNDERNEATH AREA.

ANY AREAS USED FOR STAGING OR STOCKPILING OUTSIDE OF PERMITTED LIMITS WILL REQUIRE A SEPARATE EROSION CONTROL PLAN.

INLET PROTECTION IS REQUIRED FOR ALL PHASES OF THE PROJECT.

INLET PROTECTION IS REQUIRED FOR ALL INLETS LOCATED IN THE WORKING AREA.

OUTLET PROTECTION IS REQUIRED FOR ALL OUTLETS LOCATED IN THE WORKING AREA.

ADDITIONAL CONSTRUCTION ENTRANCES MAY BE REQUIRED BASED ON FIELD CONDITIONS.

ADDITIONAL SILT FENCING AND EROSION CONTROL MEASURES MAY BE REQUIRED BASED ON FIELD CONDITIONS.

ANY OFF-SITE BORROW MATERIAL REQUIRED FOR THIS PROJECT MUST COME FROM A SITE WITH AN APPROVED EROSION CONTROL PLAN.

MAINTENANCE: ALL MEASURES STATED ON THE EROSION AND SEDIMENTATION CONTROL PLAN SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT, WHICHEVER IS MORE STRINGENT, AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.

ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RESEEDED AS NEEDED.

SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.

THE CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCES AS CONDITIONS DEMAND.

THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND. OUTLET STRUCTURES IN THE SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. SEDIMENT SHALL BE REMOVED AND DISPOSED OF PROPERLY FROM SEDIMENT BASINS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 50%.

CONTRACTOR SHALL MAINTAIN AN EROSION CONTROL INSPECTION AND MAINTENANCE LOG ON SITE IN COMPLIANCE WITH NCDENR REQUIREMENTS.

SEQUENCE

- 1. OBTAIN GRADING/EROSION CONTROL PLAN APPROVAL FROM NCDENR.
2. SET UP AN ON-SITE PRE-CONSTRUCTION CONFERENCE WITH THE EROSION CONTROL INSPECTOR TO DISCUSS EROSION CONTROL MEASURES.
3. INSTALL EROSION CONTROL MEASURES.
4. CALL FOR ON-SITE INSPECTION BY INSPECTOR. WHEN APPROVED, INSPECTOR ISSUES THE GRADING PERMIT AND CLEARING AND GRUBBING MAY BEGIN.
5. CONTRACTOR SHALL DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION CONTROL DEVICES AND STRUCTURES.
6. CONTRACTOR SHALL MEET WITH THE EROSION CONTROL INSPECTOR PRIOR TO COMMENCING WITH PHASE TWO OF EROSION CONTROL MEASURES.
7. STABILIZE SLOPES AS AREAS ARE BROUGHT TO FINISHED GRADE.

SEEDING AND MULCHING NOTES:

SEEDBED PREPARATION: CHISEL COMPACTED AREAS AND SPREAD TOPSOIL 3 INCHES DEEP OVER ADVERSE SOIL CONDITIONS, IF AVAILABLE.

RIP THE ENTIRE AREA TO 6 INCHES DEPTH.

REMOVE ALL LOOSE, ROCK, ROOTS AND OTHER OBSTRUCTIONS LEAVING SURFACE REASONABLE SMOOTH AND UNIFORM.

APPLY AGRICULTURAL LIME, FERTILIZER AND SUPERPHOSPHATE UNIFORMLY AND MIX WITH SOIL (SEE BELOW*).

CONTINUE TILLAGE UNTIL A WELL PULVERIZED, FIRM REASONABLE UNIFORM SEEDBED IS PREPARED, 4 TO 6 INCHES DEEP.

SEED ON A FRESHLY PREPARED SEEDBED AND COVER SEEDING. SEED LIGHTLY WITH SEEDING EQUIPMENT OR CULTIPACK AFTER.

MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH.

INSPECT ALL SEEDED AREAS AND MAKE NECESSARY REPAIRS OR RESEEDINGS WITHIN THE PLANTING SEASON, IF POSSIBLE. IF THE STAND SHOULD BE OVER 60% DAMAGED, REESTABLISH FOLLOWING ORIGINAL LIME, FERTILIZER AND SEEDING RATES.

CONSULT CONSERVATION INSPECTOR ON MAINTENANCE TREATMENT AND FERTILIZATION AFTER PERMANENT COVER IS ESTABLISHED.



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

Table with 2 columns: Agency, Name, Date. Rows include Planning (J. Walter, 4-18-18), Public Utilities, Traffic, and Fire.

CPETA 3RD STREET TRANSIT STATION - 520 N. 3RD STREET - WILMINGTON, NORTH CAROLINA



H R ASSOCIATES PA ARCHITECTURE PLANNING INTERIOR DESIGN

2202 WRIGHTSVILLE AVENUE SUITE 212 WILMINGTON, NC 28403 T. 910.343.6008 F. 910.343.8761

DAVENPORT

3722 SHIPYARD BOULEVARD SUITE E WILMINGTON, NC 28403 T. 910.251.8912 F. 336.458.9377 www.davenportworld.com NCBELS LICENSE NO. C-2522



Designated by: Daniel R. Cumbo 04/12/2018

PROJECT ENGINEER JEREMY RUNKLE, PE

PROJECT MANAGER DAN CUMBO, PE

CHECKED BY DAN CUMBO, PE

DRAWN BY CAMERON CLAYTON, EI

ISSUE DATE

Table with 2 columns: Issue Date, Description. Rows include 4/27/2017 Preliminary Design/Approval, 4/12/2017 CIV/IRC SUBMITTAL, 4/12/2017 30% PERMIT/CONSTRUCTION SET, 7/28/2017 IRC 1ST REVIEW RE-SUBMITTAL, 8/7/2017 95% REVIEW SET, 4/10/2018 PERMIT/CONSTRUCTION SET.

REVISIONS



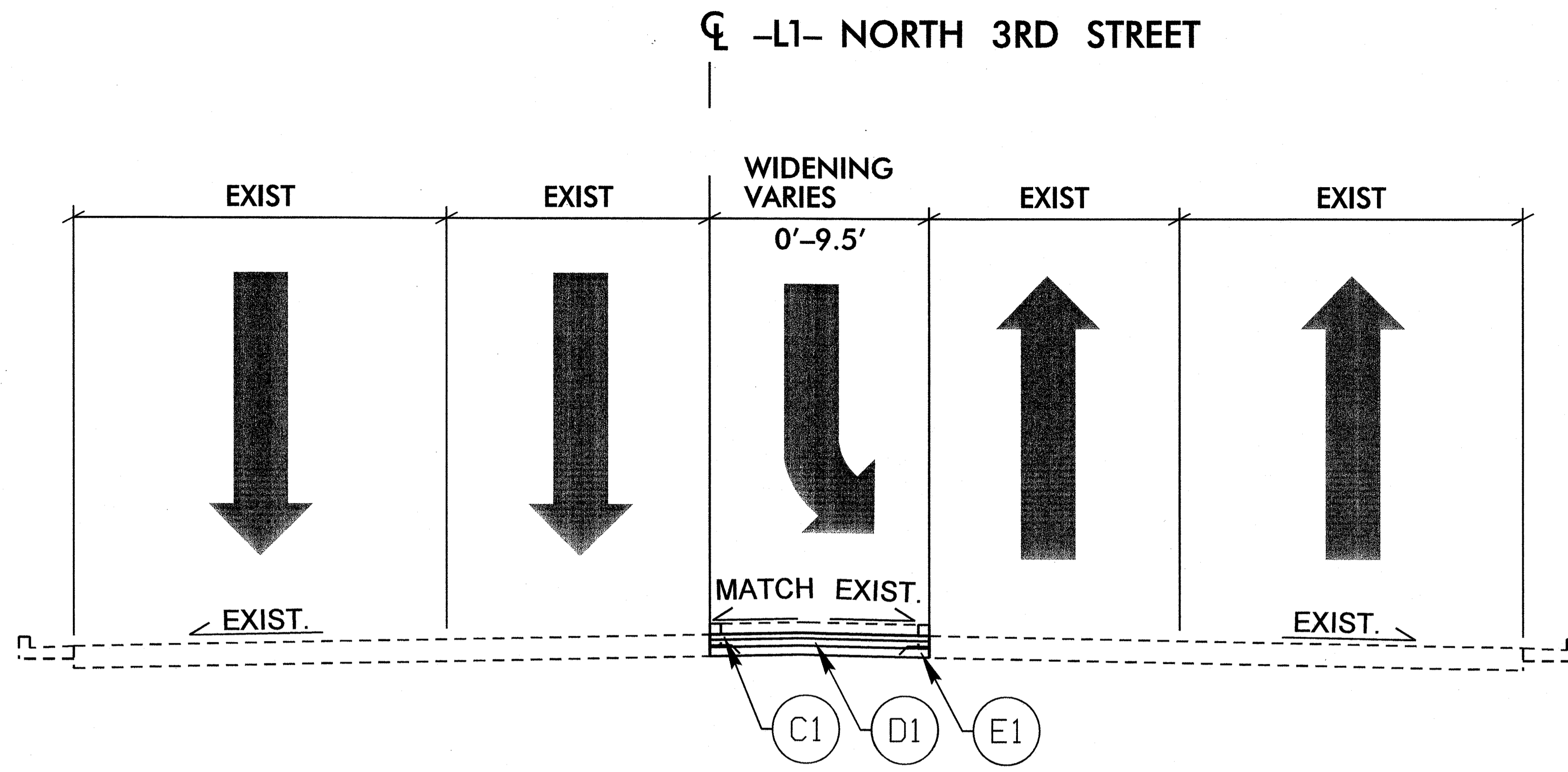
PROJECT NUMBER 186716.03

SHEET DESCRIPTION GENERAL NOTES (3)

CS-4

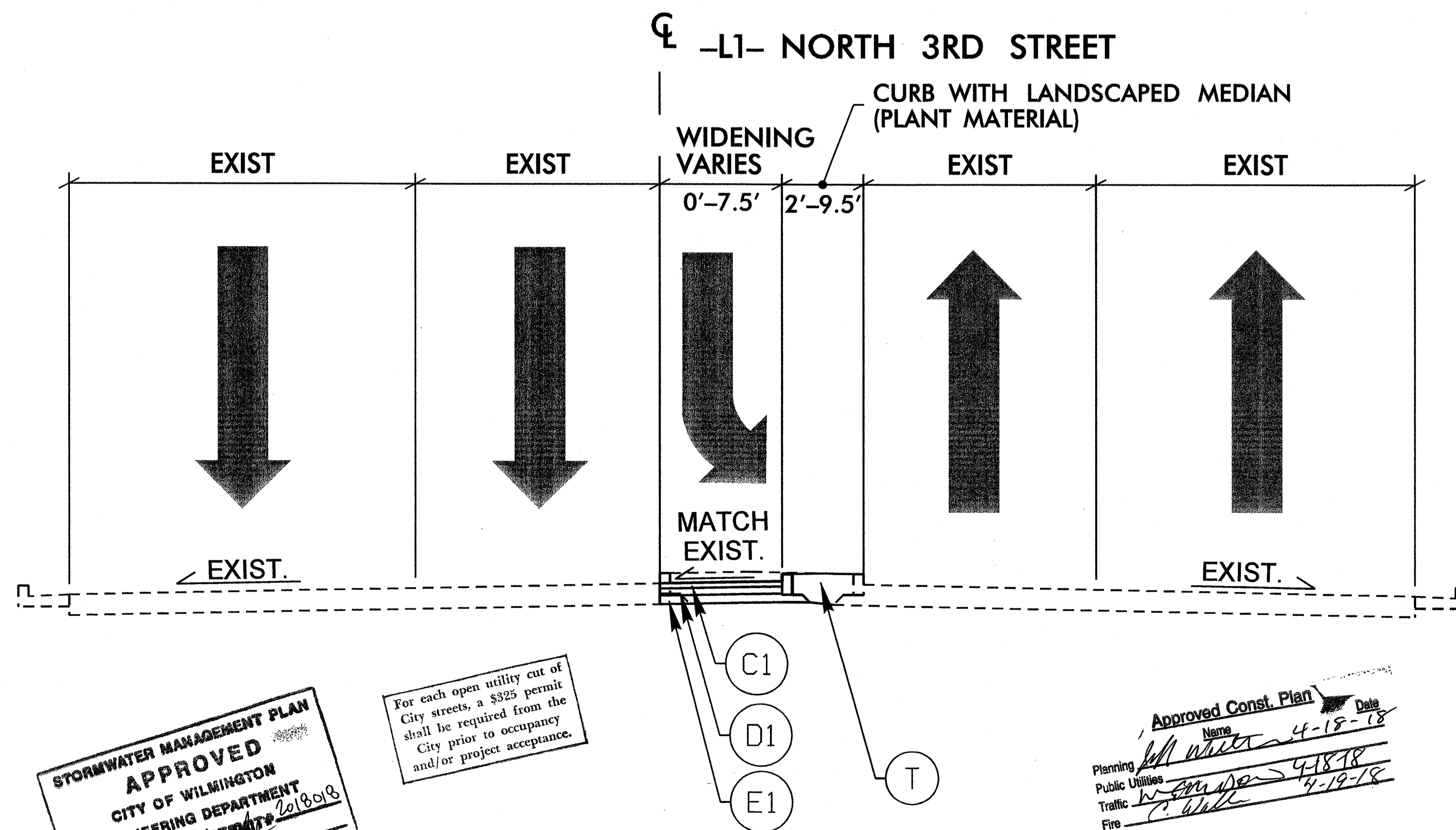
PAVEMENT SCHEDULE	
C1	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 112 LBS. PER SQ. YD. TO BE PLACED IN TWO LIFTS 1.0" DEPTH EACH.
D1	PROP. APPROX. 3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD.
E1	PROP. APPROX. 5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
T	EARTH MATERIAL

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.



TYPICAL SECTION NO. 1

STA. 11+92 TO STA. 13+00



TYPICAL SECTION NO. 2

STA. 13+00 TO STA. 13+51

STORMWATER MANAGEMENT PLAN
APPROVED
 CITY OF WILMINGTON
 ENGINEERING DEPARTMENT
 DATE 4/18/18
 SIGNED [Signature]

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 Const. Plan
 Name [Signature] Date 4-18-18
 Planning [Signature] 4-18-18
 Public Utilities [Signature] 4-18-18
 Traffic [Signature] 4-19-18
 Fire [Signature] 4-19-18



H R ASSOCIATES PA
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Designed by:
 Daniel R. Cumbo
 04/12/2018

PROJECT ENGINEER
 JEREMY RUNKLE, PE

PROJECT MANAGER
 DAN CUMBO, PE

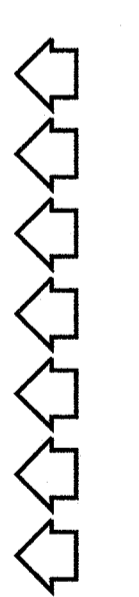
CHECKED BY
 DAN CUMBO, PE

DRAWN BY
 CAMERON CLAYTON, EI

ISSUE DATE

- 4/27/2017 PRELIMINARY DESIGN / APPROVAL
- 6/12/2017 CITY/IRC SUBMITTAL
- 6/12/2017 30% PERMIT/CONSTRUCTION SET
- 7/28/2017 IRC 1ST REVIEW RE-SUBMITTAL
- 8/7/2017 95% REVIEW SET
- 4/10/2018 PERMIT/CONSTRUCTION SET

REVISIONS



PROJECT NUMBER

186716.03

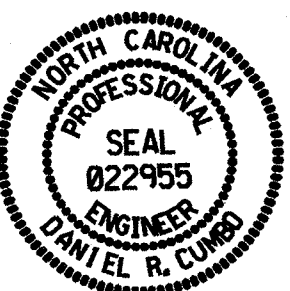
SHEET DESCRIPTION

TYPICAL SECTIONS

CEPTA 3RD STREET TRANSIT STATION - 520 N. 3RD STREET - WILMINGTON, NORTH CAROLINA



CS-5



Designed by:
Daniel R. Cumbo
04/12/2018

PROJECT ENGINEER
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DAN CUMBO, PE
CHECKED BY
DAN CUMBO, PE
DRAWN BY
CAMERON CLAYTON, EI

ISSUE DATE

4/27/2017	PRELIMINARY DESIGN / APPROVAL
6/12/2017	CITY/TRC SUBMITTAL
6/12/2017	30% PERMITS/CONSTRUCTION SET
7/28/2017	TRC 1ST REVIEW RE-SUBMITTAL
8/7/2017	95% REVIEW SET
4/10/2018	PERMITS/CONSTRUCTION SET

REVISIONS



PROJECT NUMBER
186716.03

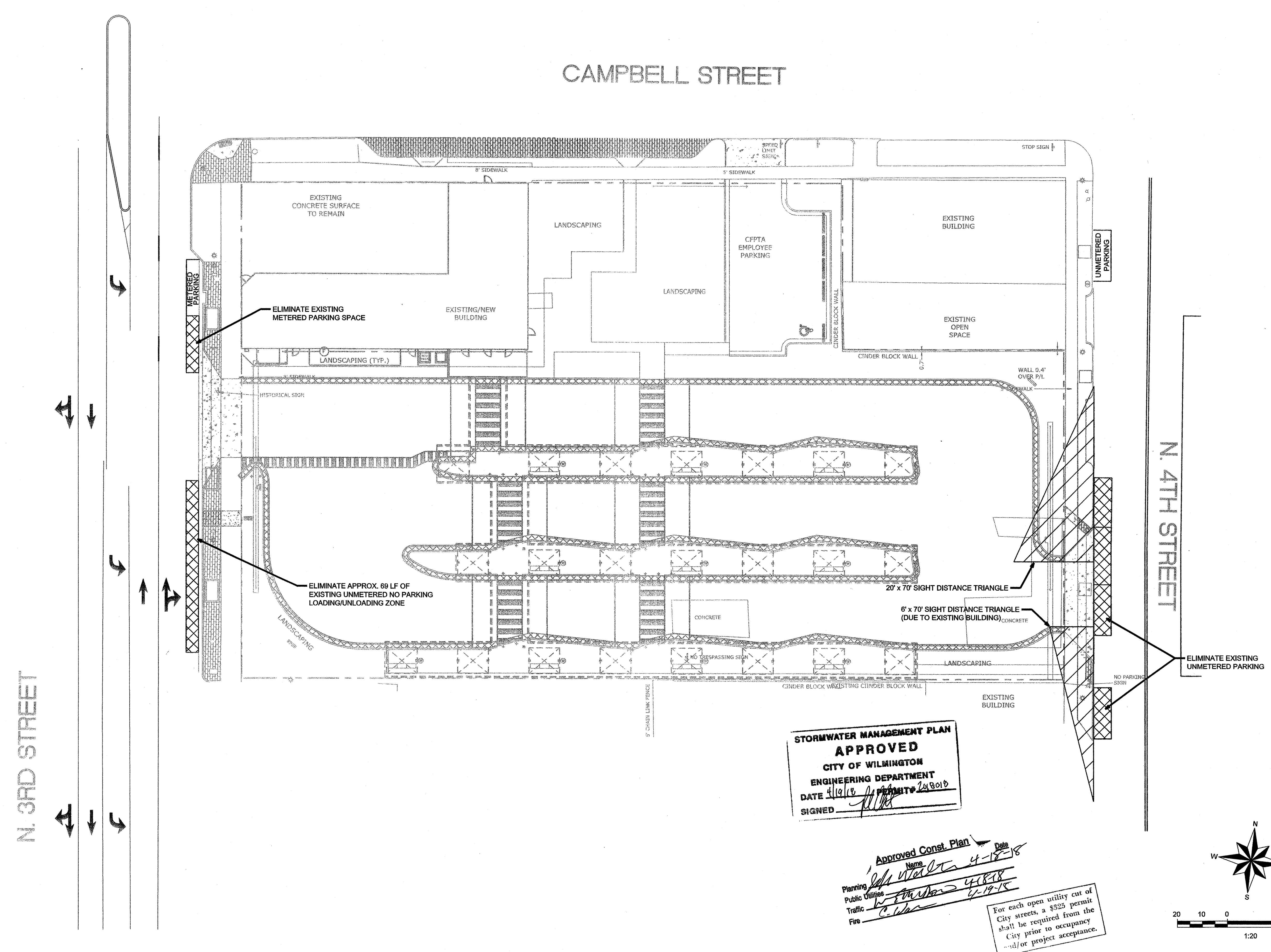
SHEET DESCRIPTION
**PARKING
IMPACT
EXHIBIT**

CS-7

LEGEND

REMOVAL OF EXIST. PARKING

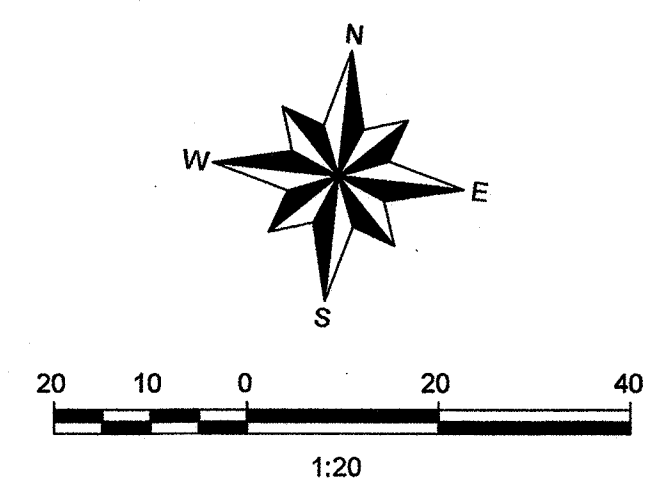
SIGHT DISTANCE TRIANGLE

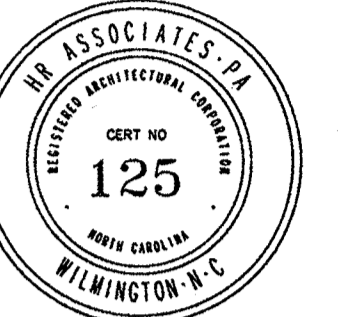


**STORMWATER MANAGEMENT PLAN
APPROVED**
CITY OF WILMINGTON
ENGINEERING DEPARTMENT
DATE 4/11/18
SIGNED [Signature]

Approved Const. Plan
Name [Signature] Date 4-18-18
Planning [Signature] 4-18-18
Public Utilities [Signature] 4-18-18
Traffic [Signature] 4-18-18
Fire [Signature] 4-19-18

For each open utility cut of City streets, a \$925 permit shall be required from the City prior to occupancy and/or project acceptance.





PROJECT ARCHITECT
JOHN W. FARABOW, JR. AIA
PROJECT MANAGER
GEORGE GALLOP
CHECKED BY
JOHN W. FARABOW, JR. AIA
DRAWN BY
GEORGE GALLOP

ISSUE DATE

4/1/2018	PRELIMINARY DESIGN/APPROVAL
6/12/2018	CITY/TRC SUBMITTAL
6/12/2018	30% PERMIT/CONSTRUCTION SET
7/26/2018	TRC 1ST REVIEW RE-SUBMITTAL
8/7/2018	95% REVIEW SET
1/8/2019	PERMIT/CONSTRUCTION SET
4/16/2018	TRC FINAL REVIEW

REVISIONS



PROJECT NUMBER

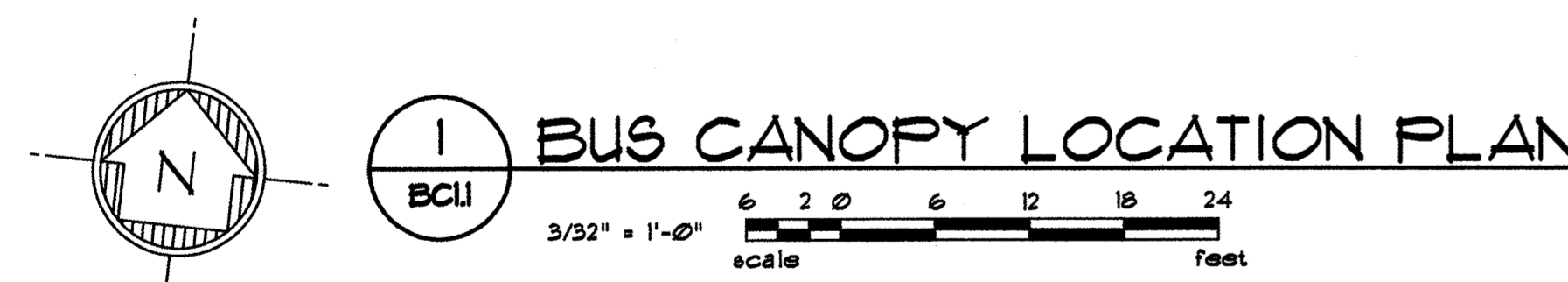
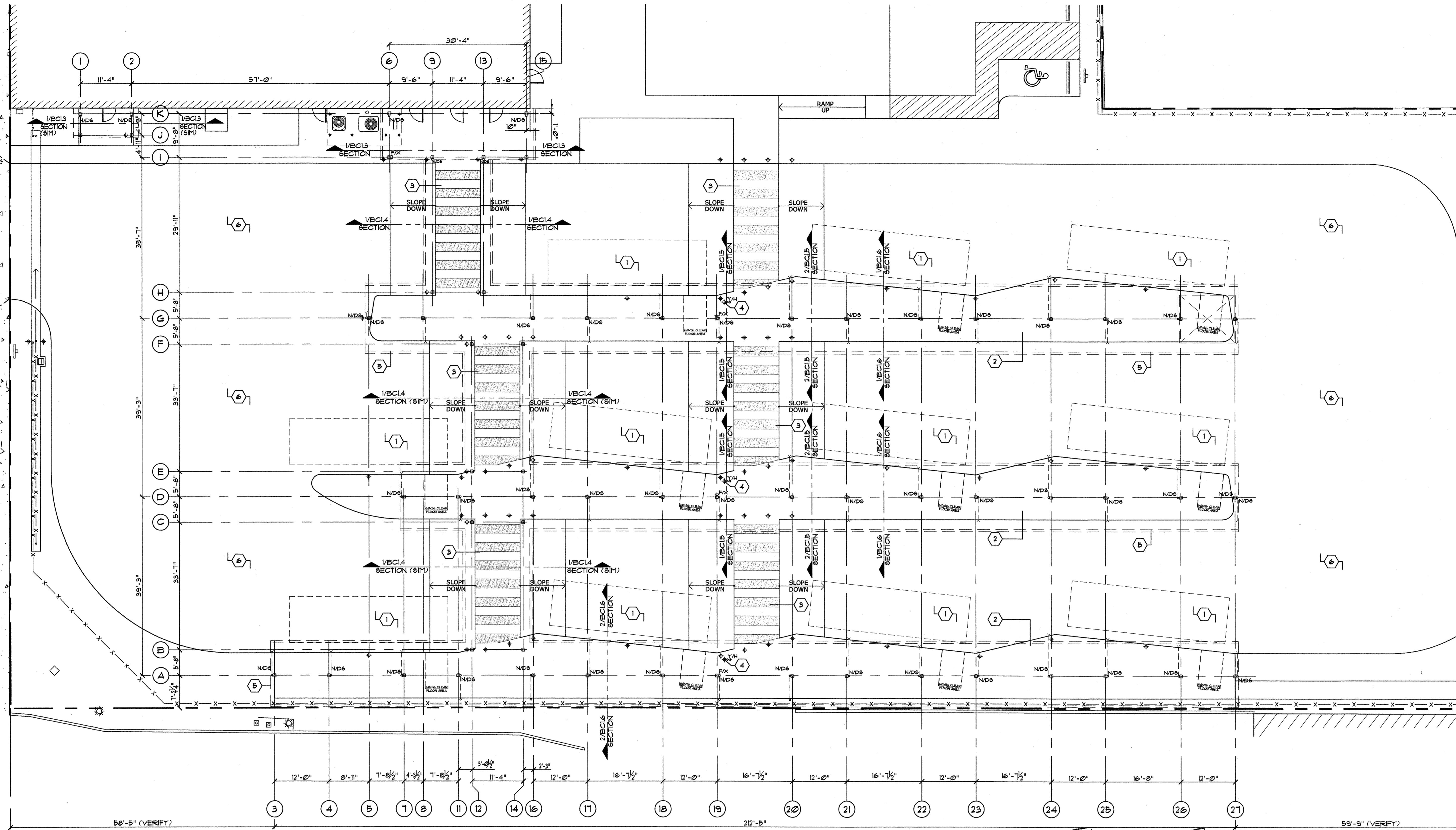
186716.03

DRAWING NUMBER

BUS CANOPY PLAN

BC1.1

CFPTA 3RD STREET TRANSIT STATION - 520 N. 3RD STREET - WILMINGTON, NORTH CAROLINA



BUS CANOPY LOCATION PLAN
3/32" = 1'-0"
scale

- LEGEND**
- DENOTES 'EXISTING/NEW CONSTRUCTION GENERAL NOTES' ON THIS DRAWING.
 - DIMENSIONS ARE FROM FACE OF CONSTRUCTION TO FACE OF CONSTRUCTION.
 - DIMENSIONS ARE FROM FACE OF CONSTRUCTION TO CENTERLINE OF CONSTRUCTION.
 - DIMENSIONS ARE FROM CENTERLINE OF CONSTRUCTION TO CENTERLINE OF CONSTRUCTION.
 - DENOTES EXISTING CONSTRUCTION TO REMAIN.
 - DENOTES FLOOR CLEARANCES AT BUS LOADING/UNLOADING IN ACCORDANCE WITH 2012 NC CBC/CHAPTER 8/SECTION 0805.2/ICC A111-2009
 - DENOTES NEW PAINTED 6-INCH DIAMETER STEEL BOLLARD - SEE TYPICAL BOLLARD DETAIL 44/9512
 - DENOTES NEW WATER YARD HYDRANT BY PLUMBING SUBCONTRACTOR - COORDINATE WITH PLUMBING SUBCONTRACTOR
 - DENOTES NEW SURFACE MOUNTED EXTERIOR FIRE EXTINGUISHER CABINET/FIRE EXTINGUISHER EQUIVALENT TO CATO/CHIEF #25-10-RRC-H AND FIRE EXTINGUISHER EQUIVALENT TO LARSON #MF10/ABC
 - DENOTES NEW PREFINISHED (BLACK) METAL DOWNSPOUT WITH CAST IRON AND BELOW GRADE DISCHARGED BOOT AND PIPE - SEE TYPICAL CANOPY SECTION DRAWING 1/BC13
 - DENOTES NEW PREFINISHED (BLACK) METAL DOWNSPOUT WITH CAST IRON AND BELOW GRADE DISCHARGED BOOT AND PIPE CONNECTED TO UNDERGROUND STORM DRAINAGE PIPE BY SITE CONTRACTOR - SEE SITE/CIVIL DRAWINGS

- GENERAL NOTES**
- 1 DENOTES POSITION OF PARKED BUS FOR REFERENCE PURPOSES
 - 2 DENOTES NEW REINFORCED RAISED CONCRETE ISLAND
 - 3 DENOTES NEW RAISED CONCRETE CROSS-WALK WITH TAPERED SIDE AFRONS - SEE DETAIL 1/BC14 FOR TYPICAL CONSTRUCTION
 - 4 DENOTES NEW WATER YARD HYDRANT BY PLUMBING SUBCONTRACTOR - COORDINATE WITH PLUMBING SUBCONTRACTOR
 - 5 DENOTES LINE OF NEW CANOPY ROOF (ABOVE)
 - 6 DENOTES NEW PAVEMENT SIGNAGE (NOT SHOWN FOR CLARITY) - SEE SITE SIGNAGE DRAWING #9611 FOR DESCRIPTIONS/LOCATIONS

STORMWATER MANAGEMENT PLAN
APPROVED
CITY OF WILMINGTON
ENGINEERING DEPARTMENT
DATE 4/16/18
SIGNED [Signature]

For each open utility cut of City streets, a \$925 permit shall be required from the City prior to occupancy and/or project acceptance.

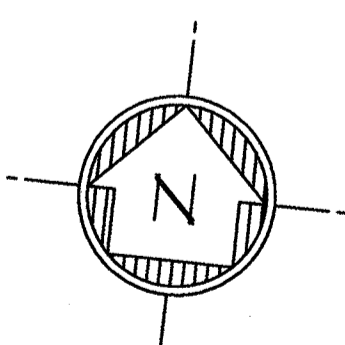
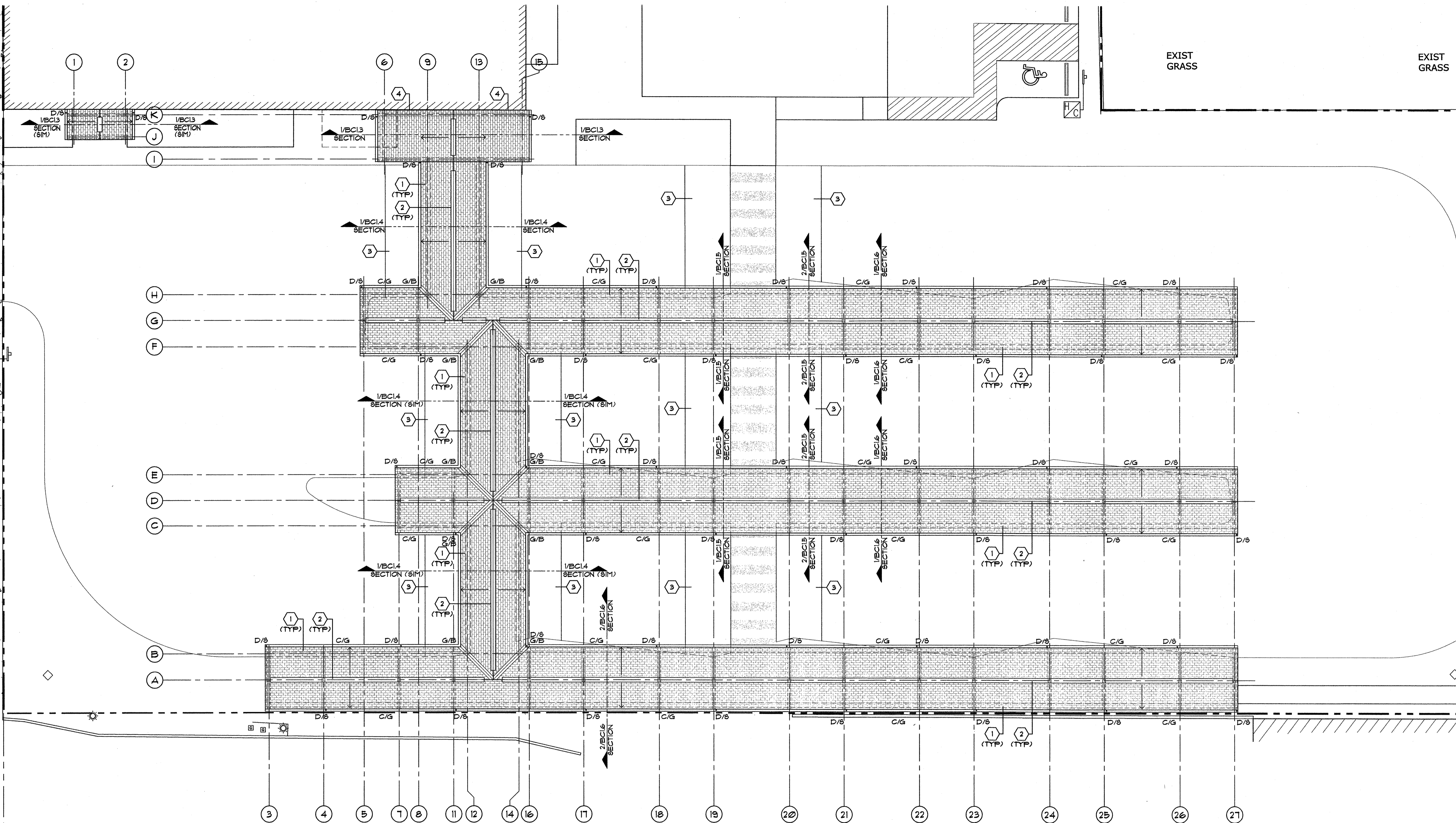
Approved Const. Plan
Name: [Signature] Date: 4-18-18
Planning: [Signature] Date: 4-18-18
Public Utilities: [Signature] Date: 4-18-18
Traffic: [Signature] Date: 4-18-18
Fire: [Signature] Date: 4-18-18

ALTERNATE SCHEDULE:

ALTERNATE NO. ONE:
UNDER THIS ALTERNATE, THE NEW HEAVY-TIMBER CANOPIES AT ALL THE BUS LOADING/UNLOADING ISLANDS INCLUDING THE CONNECTOR TO THE EXISTING BUILDING ARE TO BE DELETED WITH THE EXCEPTION OF THE REINFORCED CONCRETE FOUNDATION/CAISSON INCLUDING HEAVY-TIMBER POST STEEL ANCHORAGE (FURNISHED AND INSTALLATION COORDINATED BY HEAVY-TIMBER VENDOR) TO REMAIN AS PART OF THE OVERALL PROJECT/PHASE SCOPE. ASSOCIATED PLUMBING AND ELECTRICAL SCOPE WILL REMAIN PART OF THE OVERALL PROJECT AND IF THIS ALTERNATE IS ACCEPTED THE PLUMBING AND ELECTRICAL WILL BE COORDINATED WITH HEAVY-TIMBER VENDOR

ALTERNATE NO. TWO:
UNDER THIS ALTERNATE, DELETE THE ENTIRE HEAVY-TIMBER BUS CANOPY (FRAMING, DECKING, SHINGLES, BUTTER/DOWNSPOUTS) AT THE SOUTH LOADING/UNLOADING ISLAND, INCLUDING THE CROSSWALK CANOPY, ALONG WITH ALL ASSOCIATED ELECTRICAL/LIGHTING, UNDERGROUND ELECTRICAL AND OTHER CONDUITS TO REMAIN IN SCOPE WITH CAPPED TERMINATION 3-INCHES ABOVE TOP OF CONCRETE ISLAND.

ALTERNATE NO. THREE:
UNDER THIS ALTERNATE, DELETE THE REINFORCING CONCRETE PAVEMENT AT THE BUS LOADING/UNLOADING AREA. IN LIEU OF PROVIDE HEAVY-DUTY ASPHALT PAVEMENT (BINDER/TOPPING) ALONG WITH 6-INCH THICK STONE (ABC) BASE COURSE PER CIVIL DRAWINGS



1
BC12
BUS CANOPY ROOF PLAN
3/32" = 1'-0"
Scale
0 6 12 18 24
Feet

LEGEND

- # DENOTES 'EXISTING/NEW CONSTRUCTION GENERAL NOTES' ON THIS DRAWING.
- ← DENOTES NEW CANOPY ROOF FRAMING/TRUSSES SLOPE - SEE STRUCTURAL DRAWINGS.
- C/G (ALTERNATE NO. 4) DENOTES NEW CONTINUOUS PREFINISHED (BLACK) METAL (6" HALF ROUND) GUTTER - SEE TYPICAL CANOPY SECTION DETAIL DRAWINGS ON DRAWING #BC15.
- D/S (ALTERNATE NO. 4) DENOTES NEW PREFINISHED (BLACK) METAL 3" DIA. DOWNSPOUT ROUTED TO AND DOWN WOOD CANOPY STRUCTURAL SUPPORT FOOT WITH CAST IRON AND BELOW GRADE DISCHARGED BOOT AND PIPE - SEE TYPICAL CANOPY SECTION DRAWING #BC15.
- G/B (ALTERNATE NO. 4) DENOTES NEW PREFINISHED (BLACK) METAL GUTTER BAFFLE

GENERAL NOTES

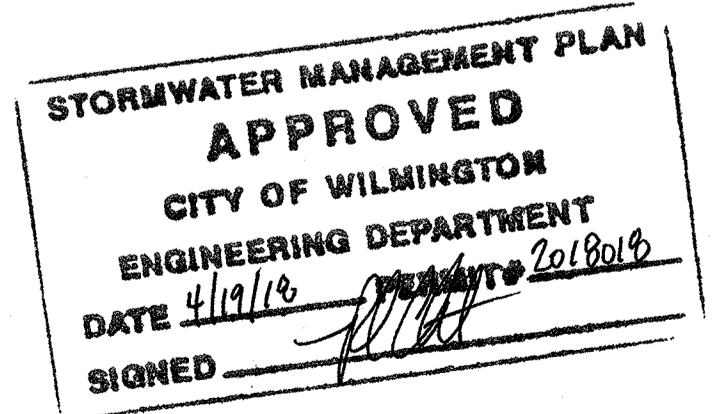
- 1 DENOTES NEW SHINGLE ROOF OVER NEW UNDERLAYMENT - SEE TYPICAL CANOPY SECTION DETAIL DRAWINGS ON DRAWING #BC15.
- 2 DENOTES NEW PREFABRICATED SHINGLE RIDGE CAP/ROOF VENT - SEE TYPICAL CANOPY SECTION DETAIL DRAWINGS ON DRAWING #BC15.
- 3 DENOTES NEW CONCRETE CROSS-WALK WITH SIDE SLOPED APRONS (BELOW)
- 4 DENOTES NEW PREFINISHED METAL WALL FLASHING - SEE CANOPY SECTION DETAIL #BC13.

ALTERNATE SCHEDULE:

ALTERNATE NO. ONE:
UNDER THIS ALTERNATE, THE NEW HEAVY-TIMBER CANOPIES AT ALL THE BUS LOADING/UNLOADING ISLANDS INCLUDING THE CONNECTOR TO THE EXISTING BUILDING ARE TO BE DELETED WITH THE EXCEPTION OF THE REINFORCED CONCRETE FOUNDATION/FOUNDATION INCLUDING HEAVY-TIMBER POST STEEL ANCHORAGE (FURNISHED AND INSTALLATION COORDINATED BY HEAVY-TIMBER VENDOR) TO REMAIN AS PART OF THE OVERALL PROJECT/PHASE SCOPE. ASSOCIATED PLUMBING AND ELECTRICAL SCOPE WILL REMAIN PART OF THE OVERALL PROJECT AND IF THIS ALTERNATE IS ACCEPTED THE PLUMBING AND ELECTRICAL WILL BE COORDINATED WITH HEAVY-TIMBER VENDOR.

ALTERNATE NO. TWO:
UNDER THIS ALTERNATE, DELETE THE ENTIRE HEAVY-TIMBER BUS CANOPY (FRAMING, DECKING, SHINGLES, GUTTER/DOWNSPOUTS) AT THE SOUTH LOADING/UNLOADING ISLAND, INCLUDING THE CROSSWALK CANOPY, ALONG WITH ALL ASSOCIATED ELECTRICAL/LIGHTING UNDERGROUND ELECTRICAL AND OTHER CONDUITS TO REMAIN IN SCOPE WITH CAPPED TERMINATION 3-INCHES ABOVE TOP OF CONCRETE ISLAND.

ALTERNATE NO. THREE:
UNDER THIS ALTERNATE, DELETE THE REINFORCING CONCRETE PAVEMENT AT THE BUS LOADING/UNLOADING AREA IN LIEU OF PROVIDE HEAVY-DUTY ASPHALT PAVEMENT (BINDER/TOPPING) ALONG WITH 6-INCH THICK STONE (ABC) BASE COURSE PER CIVIL DRAWINGS.



Approved Const. Plan
Name: M. W. [Signature] Date: 4-18-18
Public Utilities: [Signature]
Traffic: [Signature]
Fire: [Signature]

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

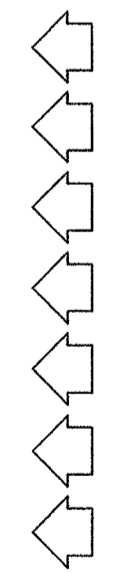


PROJECT ARCHITECT
JOHN W. FARABOW, JR. AIA
PROJECT MANAGER
GEORGE GALLOP
CHECKED BY
JOHN W. FARABOW, JR. AIA
DRAWN BY
GEORGE GALLOP

ISSUE DATE

4/2/2017	PRELIMINARY DESIGN/APPROVAL
6/12/2017	CITY/TRC SUBMITTAL
6/12/2017	30% PERMIT/CONSTRUCTION SET
7/26/2017	TRC 1ST REVIEW RE-SUBMITTAL
8/7/2017	95% REVIEW SET
1/8/2018	PERMIT/CONSTRUCTION SET
4/18/2018	TRC FINAL REVIEW

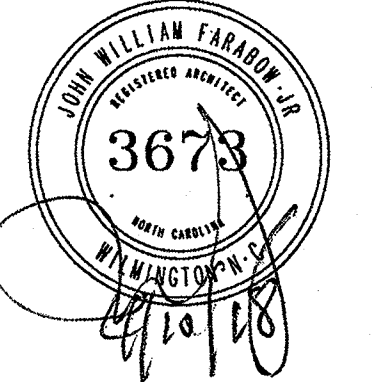
REVISIONS



PROJECT NUMBER
186716.03
DRAWING NUMBER
BUS CANOPY ROOF PLAN

BC1.2

CFPTA 3RD STREET TRANSIT STATION - 520 N. 3RD STREET - WILMINGTON, NORTH CAROLINA



PROJECT ARCHITECT
JOHN W. FARABOW, JR. AIA
PROJECT MANAGER
GEORGE GALLOP
CHECKED BY
JOHN W. FARABOW, JR. AIA
DRAWN BY
GEORGE GALLOP

ISSUE DATE

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1/8/2018	PERMIT/CONSTRUCTION SET
4/10/2018	TRC FINAL REVIEW

REVISIONS

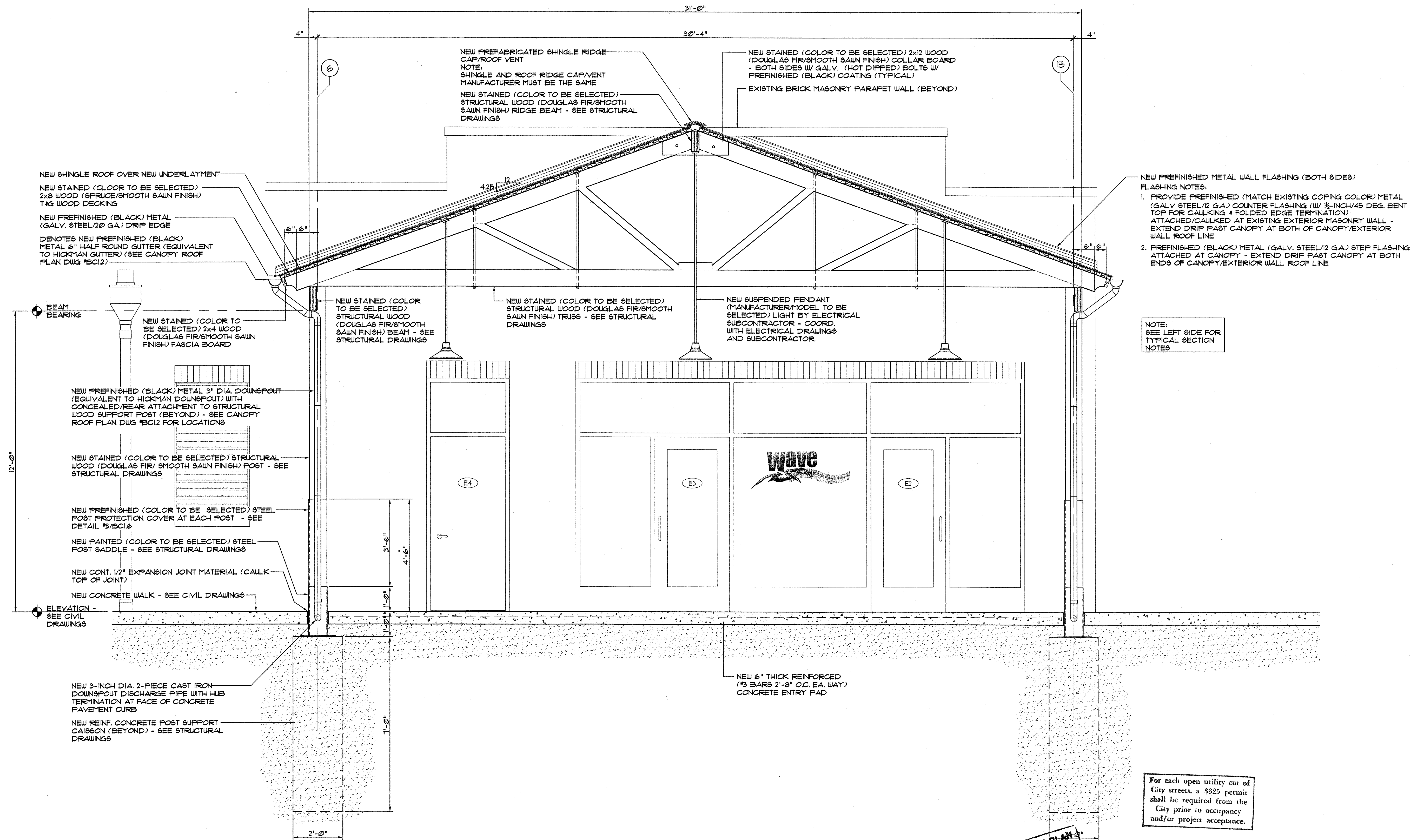


PROJECT NUMBER
186716.03

DRAWING NUMBER
CANOPY DETAILS

BC1.3

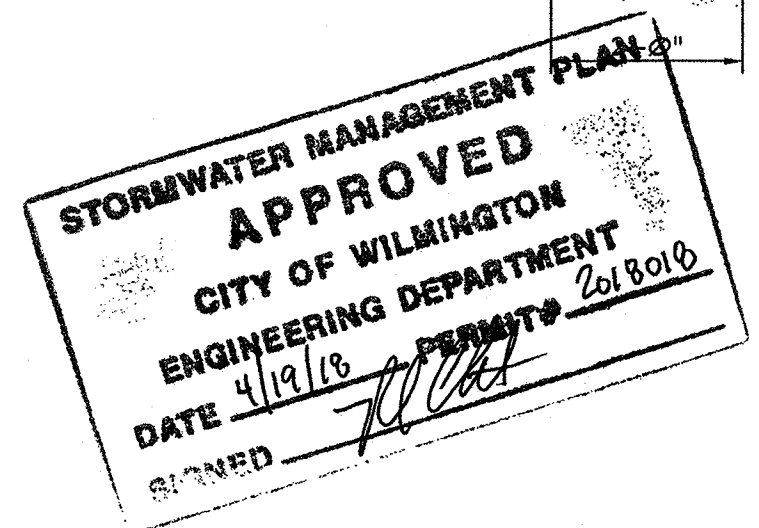
CFPTA 3RD STREET TRANSIT STATION - 520 N. 3RD STREET - WILMINGTON, NORTH CAROLINA



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

1 BUILDING CANOPY SECTION
BC13
1/2" = 1'-0"
scale

ALTERNATE NO. ONE:
UNDER THIS ALTERNATE, THE NEW HEAVY-TIMBER CANOPIES AT ALL THE BUS LOADING/UNLOADING ISLANDS INCLUDING THE CONNECTOR TO THE EXISTING BUILDING ARE TO BE DELETED WITH THE EXCEPTION OF THE REINFORCED CONCRETE FOUNDATION/CAISSON INCLUDING HEAVY-TIMBER POST STEEL ANCHORAGE (FURNISHED AND INSTALLATION COORDINATED BY HEAVY-TIMBER VENDOR) TO REMAIN AS PART OF THE OVERALL PROJECT/PHASE SCOPE. ASSOCIATED PLUMBING AND ELECTRICAL SCOPE WILL REMAIN PART OF THE OVERALL PROJECT AND IF THIS ALTERNATE IS ACCEPTED THE PLUMBING AND ELECTRICAL WILL BE COORDINATED WITH HEAVY-TIMBER VENDOR



Approved Const. Plan

Name	Date
Planning	4-18-18
Public Utilities	4-18-18
Traffic	4-18-18
Fire	4-19-18



PROJECT ARCHITECT
JOHN W. FARABOW, JR. AIA
PROJECT MANAGER
GEORGE GALLOP
CHECKED BY
JOHN W. FARABOW, JR. AIA
DRAWN BY
GEORGE GALLOP

ISSUE DATE

4/17/2017	PRELIMINARY DESIGN/APPROVAL
6/12/2017	CITY/TRC SUBMITTAL
6/12/2017	30% PERMIT/CONSTRUCTION SET
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8/17/2017	95% REVIEW SET
1/8/2018	PERMIT/CONSTRUCTION SET
4/18/2018	TRC FINAL REVIEW

REVISIONS

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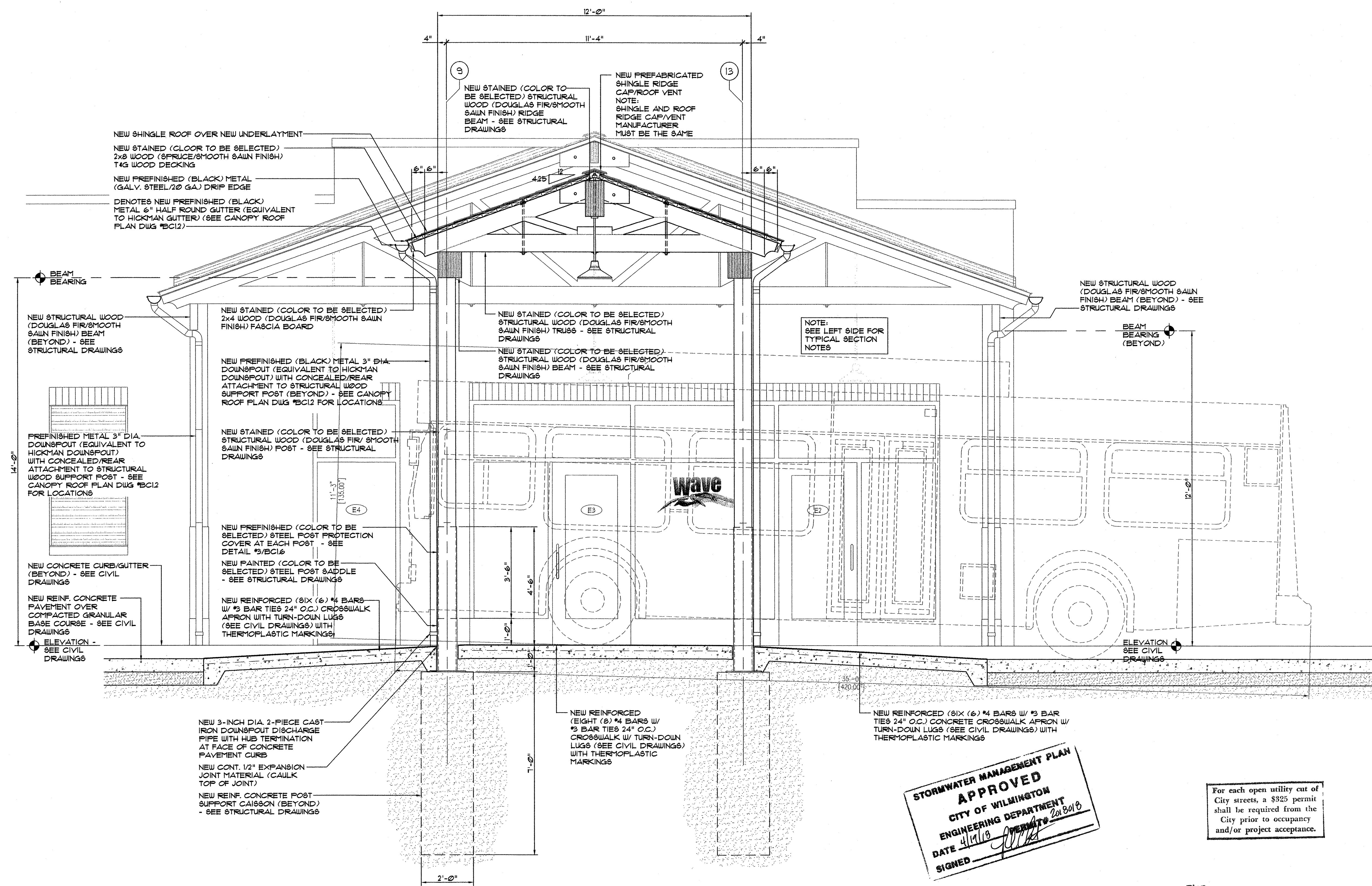
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PROJECT NUMBER
186716.03
DRAWING NUMBER
BUS CANOPY DETAILS

BC1.4

CFPTA 3RD STREET TRANSIT STATION - 520 N. 3RD STREET - WILMINGTON, NORTH CAROLINA



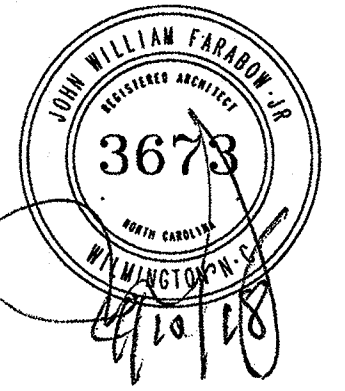
STORMWATER MANAGEMENT PLAN APPROVED
CITY OF WILMINGTON
ENGINEERING DEPARTMENT
DATE 4/18/18
SIGNED [Signature]

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 Const. Plan
Name [Signature] Date 4-18-18
Planning [Signature] Date 4-18-18
Public Utilities [Signature] Date 4-18-18
Traffic [Signature] Date 4-18-18
Fire [Signature] Date 4-18-18

ALTERNATE NO. ONE:
UNDER THIS ALTERNATE, THE NEW HEAVY-TIMBER CANOPIES AT ALL THE BUS LOADING/UNLOADING ISLANDS INCLUDING THE CONNECTOR TO THE EXISTING BUILDING ARE TO BE DELETED WITH THE EXCEPTION OF THE REINFORCED CONCRETE FOUNDATION/CAISSON INCLUDING HEAVY-TIMBER POST STEEL ANCHORAGE (FURNISHED AND INSTALLATION COORDINATED BY HEAVY-TIMBER VENDOR) TO REMAIN AS PART OF THE OVERALL PROJECT/PHASE SCOPE. ASSOCIATED PLUMBING AND ELECTRICAL SCOPE WILL REMAIN PART OF THE OVERALL PROJECT AND IF THIS ALTERNATE IS ACCEPTED THE PLUMBING AND ELECTRICAL WILL BE COORDINATED WITH HEAVY-TIMBER VENDOR.

1 BUS CANOPY SECTION MAIN PASSENGER CROSSWALK SECTION
BC1.4
1/2" = 1'-0"
scale
feet



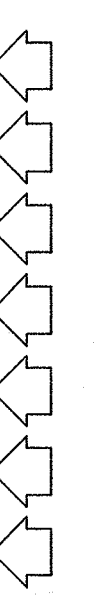
PROJECT ARCHITECT
JOHN W. FARABOW, JR. AIA
PROJECT MANAGER
GEORGE GALLOP
CHECKED BY
JOHN W. FARABOW, JR. AIA

DRAWN BY
GEORGE GALLOP

ISSUE DATE

4/17/2011	PRELIMINARY DESIGN/APPROVAL
6/2/2011	CITY/TRC SUBMITTAL
6/2/2011	30% PERMIT/CONSTRUCTION SET
7/28/2011	TRC 1ST REVIEW RE-SUBMITTAL
8/1/2011	95% REVIEW SET
1/8/2016	PERMIT/CONSTRUCTION SET
4/16/2016	TRC FINAL REVIEW

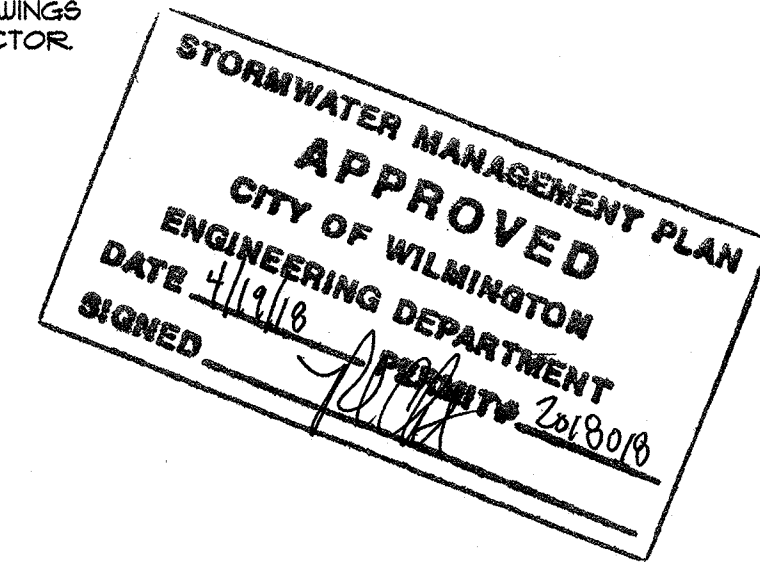
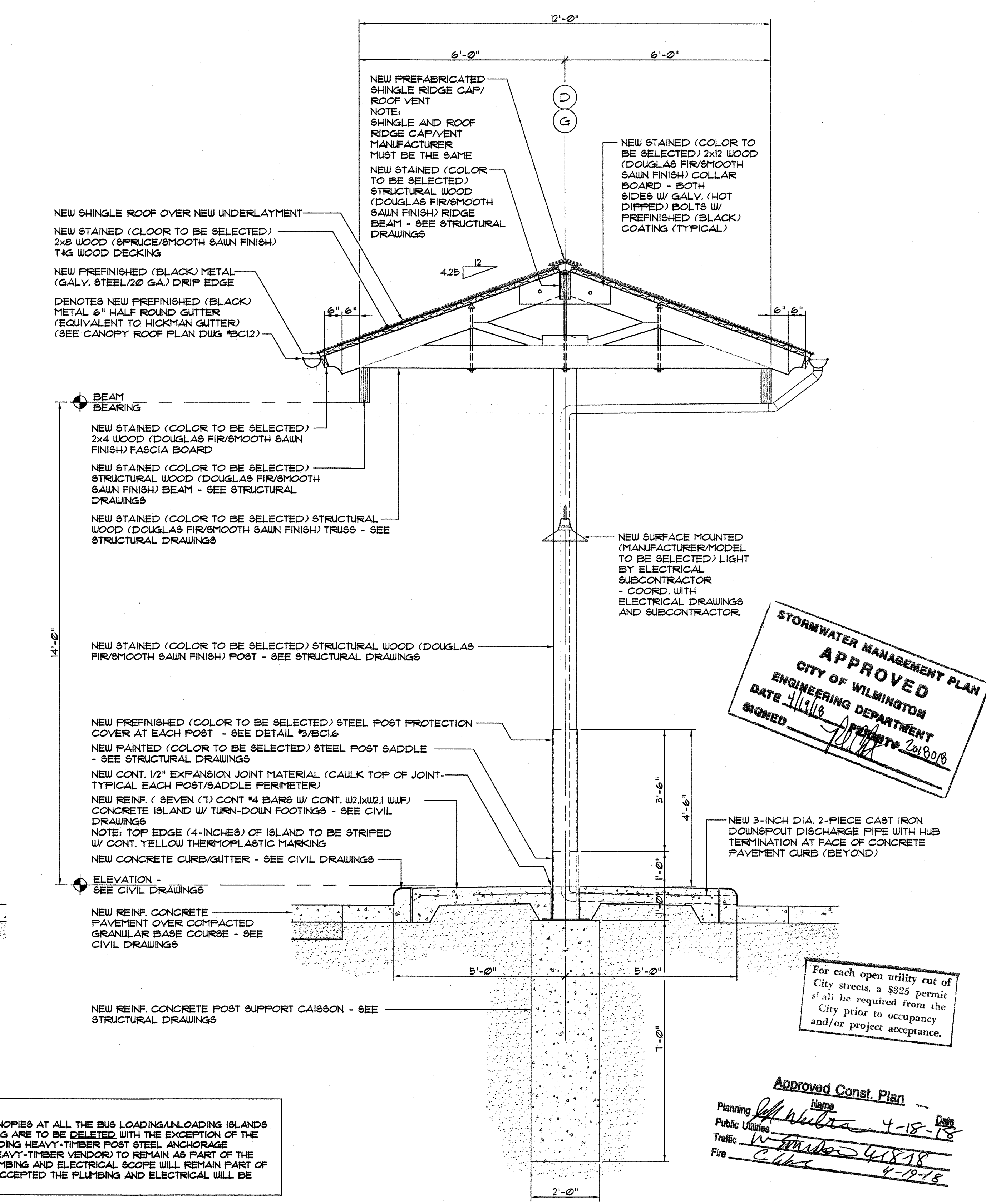
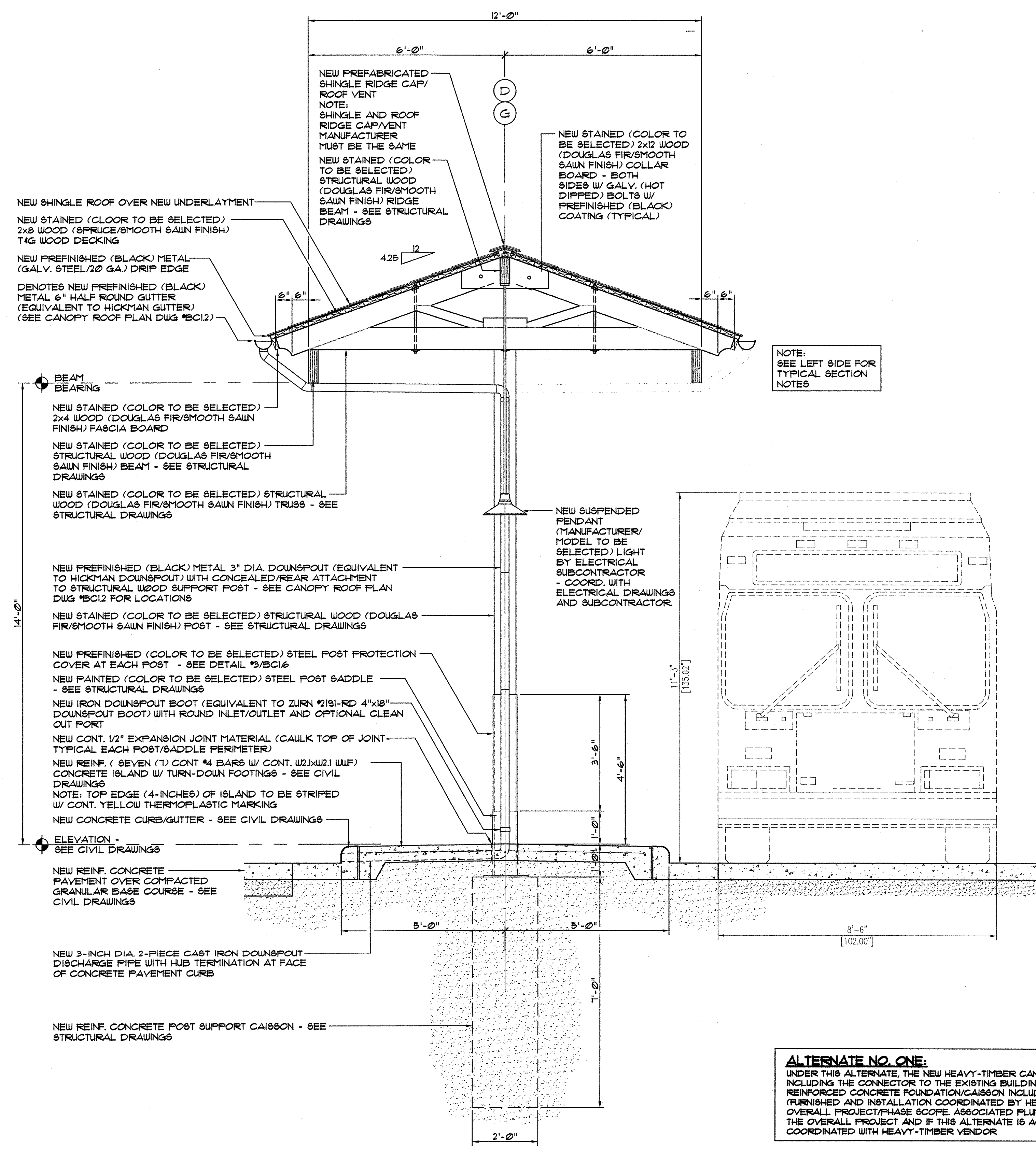
REVISIONS



PROJECT NUMBER
186716.03
DRAWING NUMBER
BUS CANOPY DETAILS

BC1.5

CEPTA 3RD STREET TRANSIT STATION - 520 N. 3RD STREET - WILMINGTON, NORTH CAROLINA

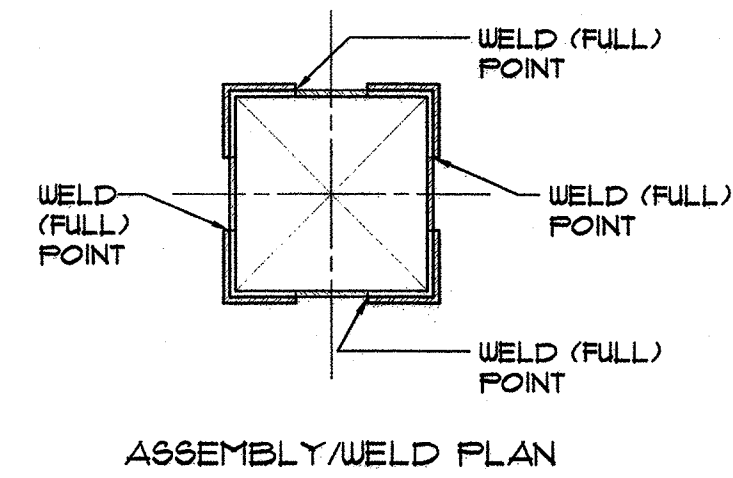
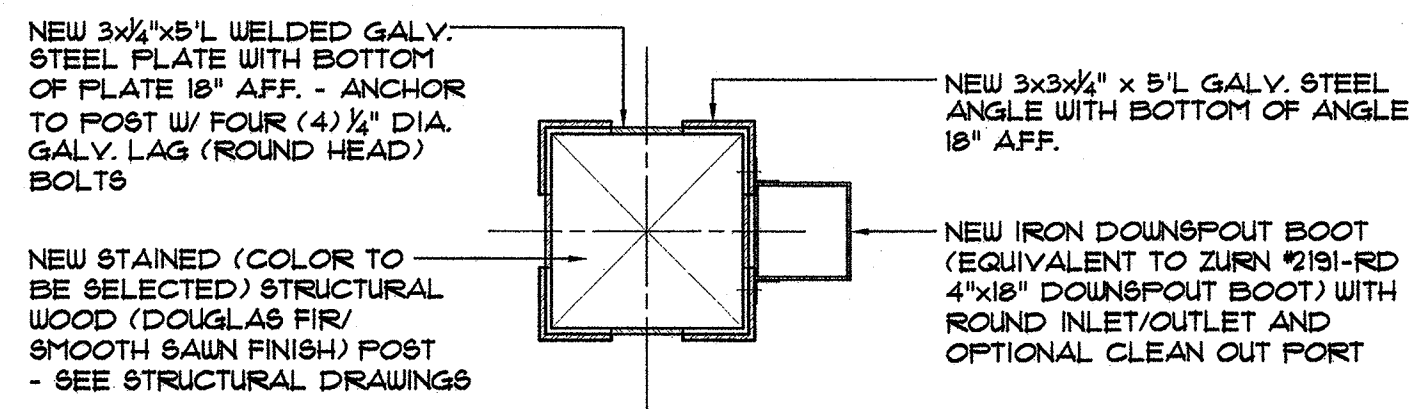


For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

Approved Const. Plan
Planning: *[Signature]* 4-18-18
Public Utilities: *[Signature]* 4-18-18
Traffic: *[Signature]* 4-18-18
Fire: *[Signature]* 4-18-18

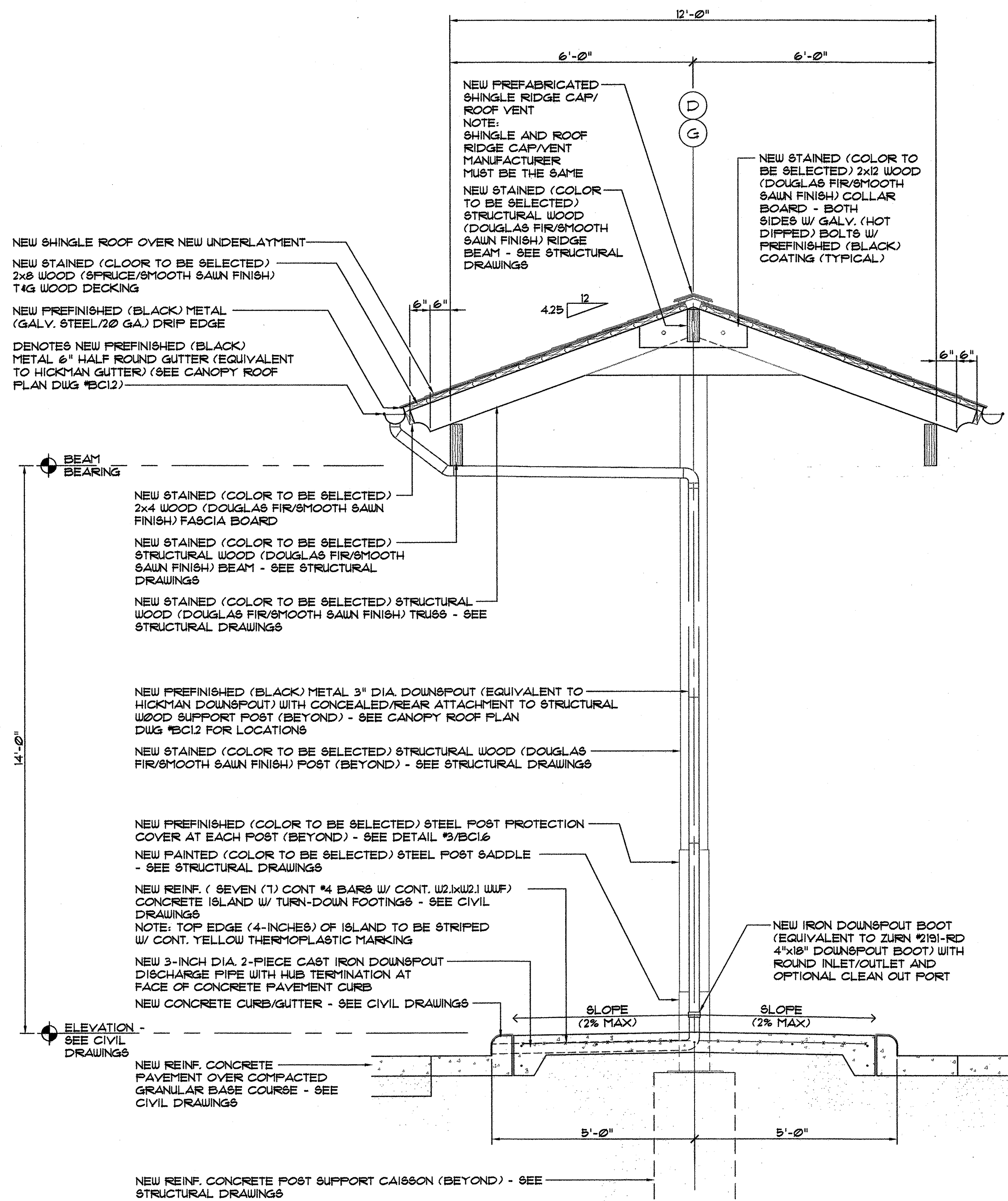
1 TYPICAL BUS ISLAND CANOPY PRIMARY TRUSS SECTION
BC1.5
1/2" = 1'-0"
scale

2 TYPICAL BUS ISLAND CANOPY PRIMARY TRUSS/SKYLITE SECTION
BC1.5
1/2" = 1'-0"
scale

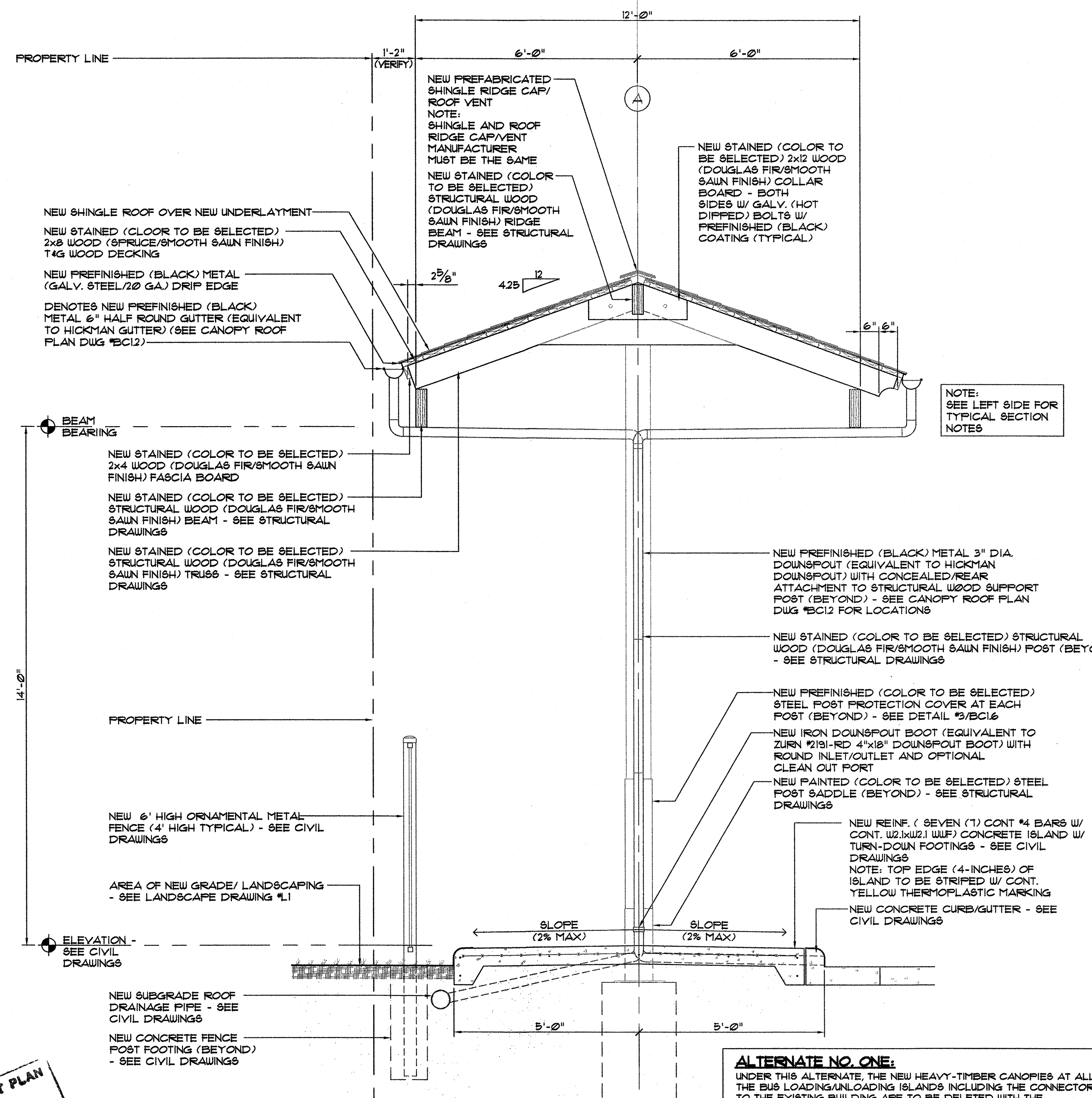


3 TYPICAL POST PROTECTION DETAIL
BC1.6

1/2" = 1'-0"
scale feet



NOTE: SEE LEFT SIDE FOR TYPICAL SECTION NOTES



NOTE: SEE LEFT SIDE FOR TYPICAL SECTION NOTES

ALTERNATE NO. ONE:
UNDER THIS ALTERNATE, THE NEW HEAVY-TIMBER CANOPIES AT ALL THE BUS LOADING/UNLOADING ISLANDS INCLUDING THE CONNECTOR TO THE EXISTING BUILDING ARE TO BE DELETED WITH THE EXCEPTION OF THE REINFORCED CONCRETE FOUNDATION/CAISSON INCLUDING HEAVY-TIMBER POST STEEL ANCHORAGE (FURNISHED AND INSTALLATION COORDINATED BY HEAVY-TIMBER VENDOR) TO REMAIN AS PART OF THE OVERALL PROJECT/PHASE SCOPE. ASSOCIATED PLUMBING AND ELECTRICAL SCOPE WILL REMAIN PART OF THE OVERALL PROJECT AND IF THIS ALTERNATE IS ACCEPTED THE PLUMBING AND ELECTRICAL WILL BE COORDINATED WITH HEAVY-TIMBER VENDOR

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 4/18/18
SIGNED [Signature]

Approved Const. Plan
Name [Signature] Date 4-18-18
Public Utilities [Signature] Date 4-18-18
Traffic [Signature] Date 4-19-18
Fire [Signature] Date 4-19-18

ALTERNATE NO. ONE:
UNDER THIS ALTERNATE, THE NEW HEAVY-TIMBER CANOPIES AT ALL THE BUS LOADING/UNLOADING ISLANDS INCLUDING THE CONNECTOR TO THE EXISTING BUILDING ARE TO BE DELETED WITH THE EXCEPTION OF THE REINFORCED CONCRETE FOUNDATION/CAISSON INCLUDING HEAVY-TIMBER POST STEEL ANCHORAGE (FURNISHED AND INSTALLATION COORDINATED BY HEAVY-TIMBER VENDOR) TO REMAIN AS PART OF THE OVERALL PROJECT/PHASE SCOPE. ASSOCIATED PLUMBING AND ELECTRICAL SCOPE WILL REMAIN PART OF THE OVERALL PROJECT AND IF THIS ALTERNATE IS ACCEPTED THE PLUMBING AND ELECTRICAL WILL BE COORDINATED WITH HEAVY-TIMBER VENDOR.

ALTERNATE NO. TWO:
UNDER THIS ALTERNATE, DELETE THE ENTIRE HEAVY-TIMBER BUS CANOPY (FRAMING, DECKING, SHINGLES, GUTTER/DOWNSPOUTS) AT THE SOUTH LOADING/UNLOADING ISLAND, INCLUDING THE CROSSWALK CANOPY, ALONG WITH ALL ASSOCIATED ELECTRICAL/LIGHTING, UNDERGROUND ELECTRICAL AND OTHER CONDITIONS TO REMAIN IN SCOPE WITH CAPPED TERMINATION 3-INCHES ABOVE TOP OF CONCRETE ISLAND.

1 BUS ISLAND CANOPY SECONDARY TRUSS SECTION
BC1.6

1/2" = 1'-0"
scale feet

2 BUS ISLAND CANOPY SECONDARY TRUSS SECTION (SOUTH ISLAND)
BC1.6

1/2" = 1'-0"
scale feet



PROJECT ARCHITECT
JOHN W. FARABOW, JR. AIA

PROJECT MANAGER
GEORGE GALLOP

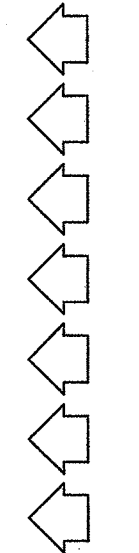
CHECKED BY
JOHN W. FARABOW, JR. AIA

DRAWN BY
GEORGE GALLOP

ISSUE DATE

4/1/2018	FREELIMINARY DESIGN/APPROVAL
6/1/2018	CITY/TRC SUBMITTAL
6/1/2018	30% PERMIT/CONSTRUCTION SET
7/28/2018	TRC 1ST REVIEW RE-SUBMITTAL
8/1/2018	95% REVIEW SET
10/2/2018	PERMIT/CONSTRUCTION SET
4/10/2019	TRC FINAL REVIEW

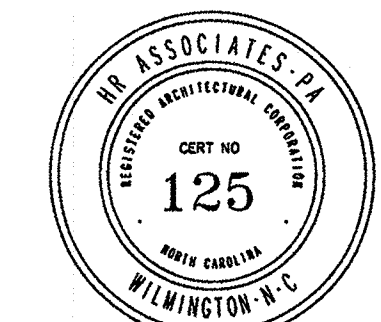
REVISIONS



PROJECT NUMBER
186716.03

DRAWING NUMBER
BUS CANOPY DETAILS

BC1.6

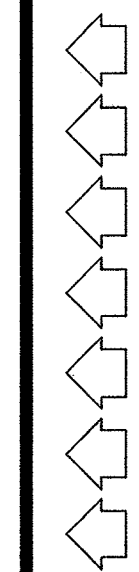


PROJECT ARCHITECT
JOHN W. FARABOW, JR. AIA
PROJECT MANAGER
GEORGE GALLOP
CHECKED BY
JOHN W. FARABOW, JR. AIA
DRAWN BY
GEORGE GALLOP

ISSUE DATE

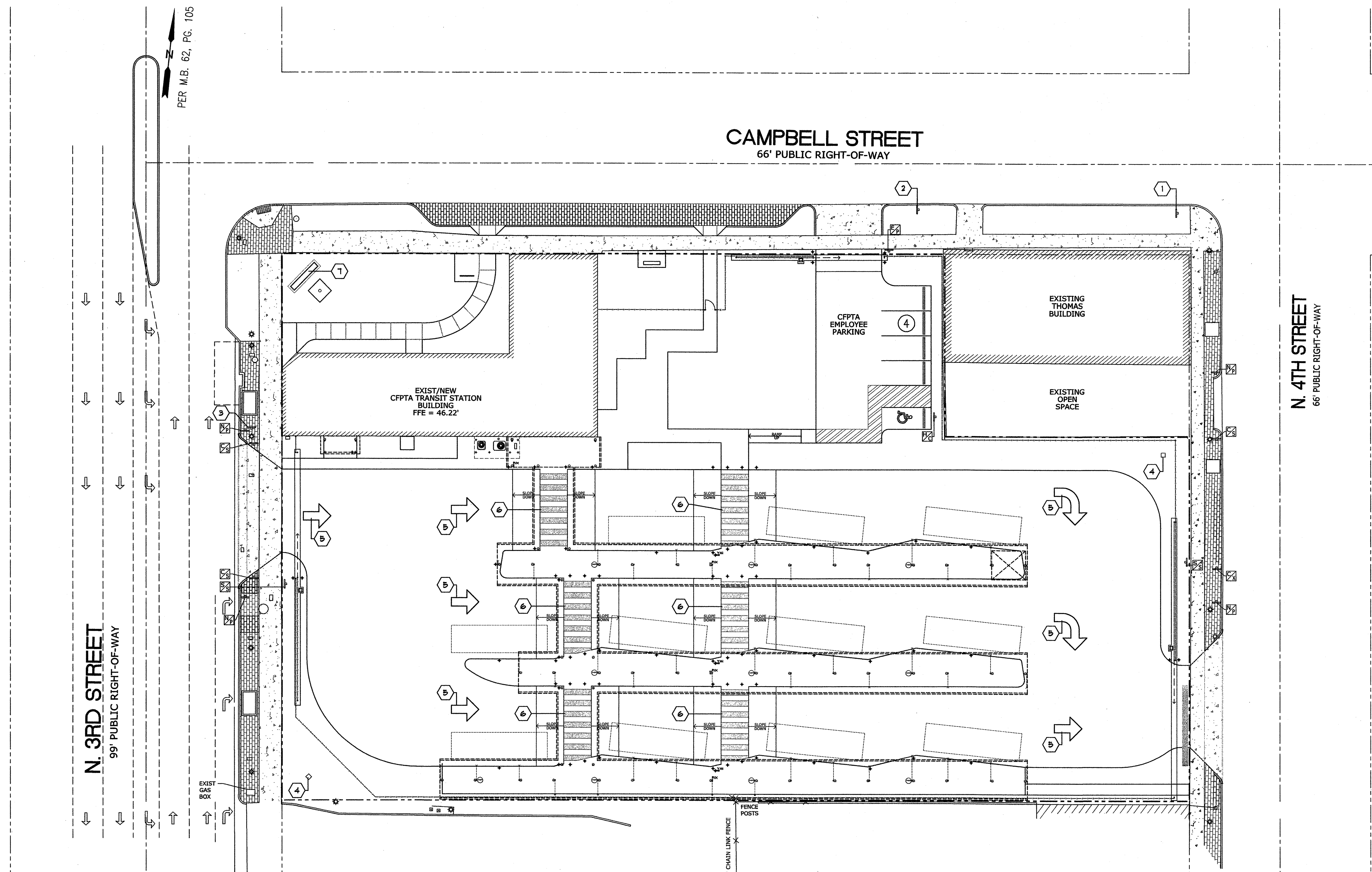
4/12/2011	PRELIMINARY DESIGN/APPROVAL
6/12/2011	CITY/TRC SUBMITTAL
6/12/2011	30% PERMIT/CONSTRUCTION SET
7/22/2011	TRC 1ST REVIEW RE-SUBMITTAL
8/7/2011	95% REVIEW SET
1/8/2018	PERMIT/CONSTRUCTION SET
4/10/2018	TRC FINAL REVIEW

REVISIONS



PROJECT NUMBER
186716.03
DRAWING NUMBER
SITE SIGNAGE PLAN

SS1.1



1 SITE SIGNAGE PLAN



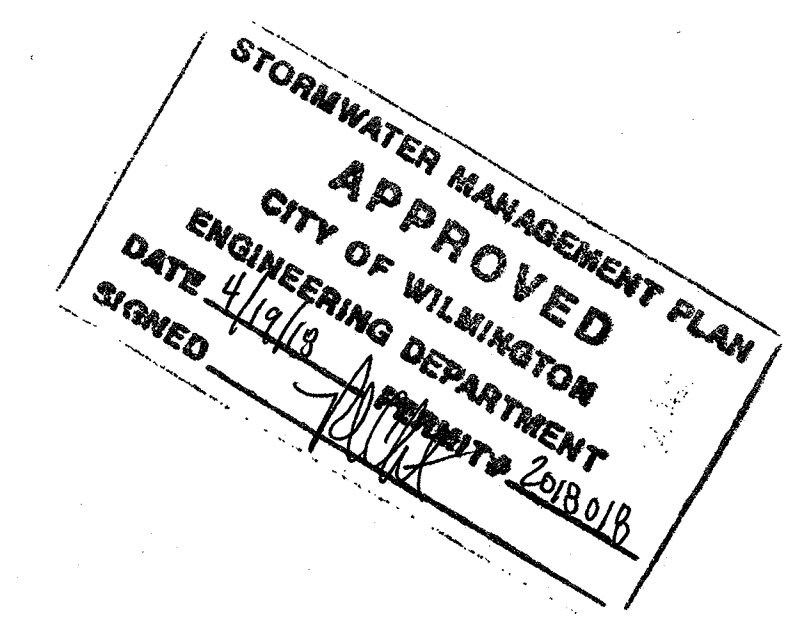
LEGEND

- # DENOTES 'EXISTING/NEW CONSTRUCTION GENERAL NOTES' ON THIS DRAWING
- ☒ DENOTES NEW 12"x18" METAL SIGN READING 'HANDICAP PARKING/VAN ACCESSIBLE/PENALTY' IN ACCORDANCE WITH NC88C/G6 20-37.6 WITH 2-INCH SQUARE METAL (ALUMINUM) POST SET IN 12-INCH DIAMETER BY 2-FOOT DEEP CONCRETE ENCASUREMENT - SEE TYPICAL METAL SIGN DETAIL #2/8812
- ☒ DENOTES NEW 12"x18" METAL SIGN READING 'EMPLOYEE PARKING ONLY' WITH 2-INCH SQUARE METAL (ALUMINUM) POST SET IN 12-INCH DIAMETER BY 2-FOOT DEEP CONCRETE ENCASUREMENT - SEE TYPICAL METAL SIGN DETAIL #2/8812
- ☒ DENOTES NEW 12"x18" METAL SIGN READING 'PEDESTRIAN SIDEWALK CROSSWALK' WITH 2-INCH SQUARE METAL (ALUMINUM) POST SET IN 12-INCH DIAMETER BY 2-FOOT DEEP CONCRETE ENCASUREMENT - SEE TYPICAL METAL SIGN DETAIL #2/8812
- ☒ DENOTES NEW 12"x18" METAL SIGN READING 'BUS CROSSING' WITH 2-INCH SQUARE METAL (ALUMINUM) POST SET IN 12-INCH DIAMETER BY 2-FOOT DEEP CONCRETE ENCASUREMENT - SEE TYPICAL METAL SIGN DETAIL #2/8812
- ☒ DENOTES NEW 12"x18" METAL SIGN READING 'BUS CROSSING W/ BUS AREA WITH DIRECTIONAL ARROW' UNDERNEATH WITH 2-INCH SQUARE METAL (ALUMINUM) POST SET IN 12-INCH DIAMETER BY 2-FOOT DEEP CONCRETE ENCASUREMENT - SEE TYPICAL METAL SIGN DETAIL #1/8812
- ☒ DENOTES NEW 12"x18" METAL SIGN READING 'NO PARKING' WITH 2-INCH SQUARE METAL (ALUMINUM) POST SET IN 12-INCH DIAMETER BY 2-FOOT DEEP CONCRETE ENCASUREMENT - SEE TYPICAL METAL SIGN DETAIL #2/8812

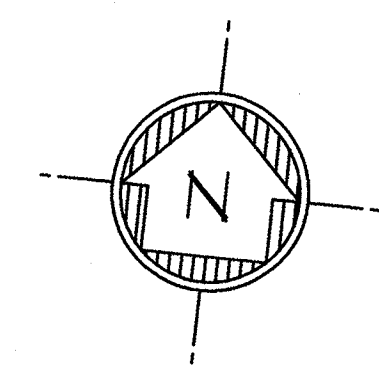
GENERAL NOTES

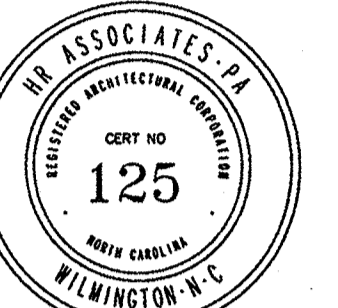
- 1 DENOTES EXISTING STOP SIGN TO REMAIN
- 2 DENOTES EXISTING RELOCATED SPEED LIMIT SIGN LOCATION
- 3 DENOTES EXISTING RELOCATED HISTORICAL SIGN LOCATION
- 4 DENOTES NEW MASONRY SITE DRIVEWAY SIGN - SEE SITE MONUMENT SIGN DETAIL #1/8812
- 5 DENOTES NEW 3-FOOT WIDE WITH 8-FOOT WIDE (BASE) ARROW DRIVEWAY THERMOPLASTIC PAVEMENT MARKINGS
- 6 DENOTES NEW 24-INCH x 4-FOOT WIDE (4'-0" O.C.) THERMOPLASTIC CROSSWALK MARKINGS
- 7 DENOTES NEW MASONRY SITE MONUMENT SIGN - SEE SITE MONUMENT SIGN DETAIL #4/8812

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 Const. Plan
Name: John W. Farabow, Jr. Date: 4-10-18
Planning: [Signature]
Public Utilities: [Signature]
Traffic: [Signature]
Fire: [Signature]



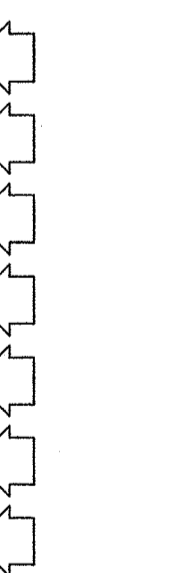


PROJECT ARCHITECT
JOHN W. FARABOW, JR. AIA
PROJECT MANAGER
GEORGE GALLOP
CHECKED BY
JOHN W. FARABOW, JR. AIA
DRAWN BY
GEORGE GALLOP

ISSUE DATE

4/17/2018	PRELIMINARY DESIGN/ APPROVAL
6/12/2018	CITY/TRC SUBMITTAL
6/12/2018	30% PERMIT/CONSTRUCTION SET
1/28/2019	TRC 1ST REVIEW RE-SUBMITTAL
6/17/2019	95% REVIEW SET
1/8/2019	PERMIT/CONSTRUCTION SET
4/10/2019	TRC FINAL REVIEW

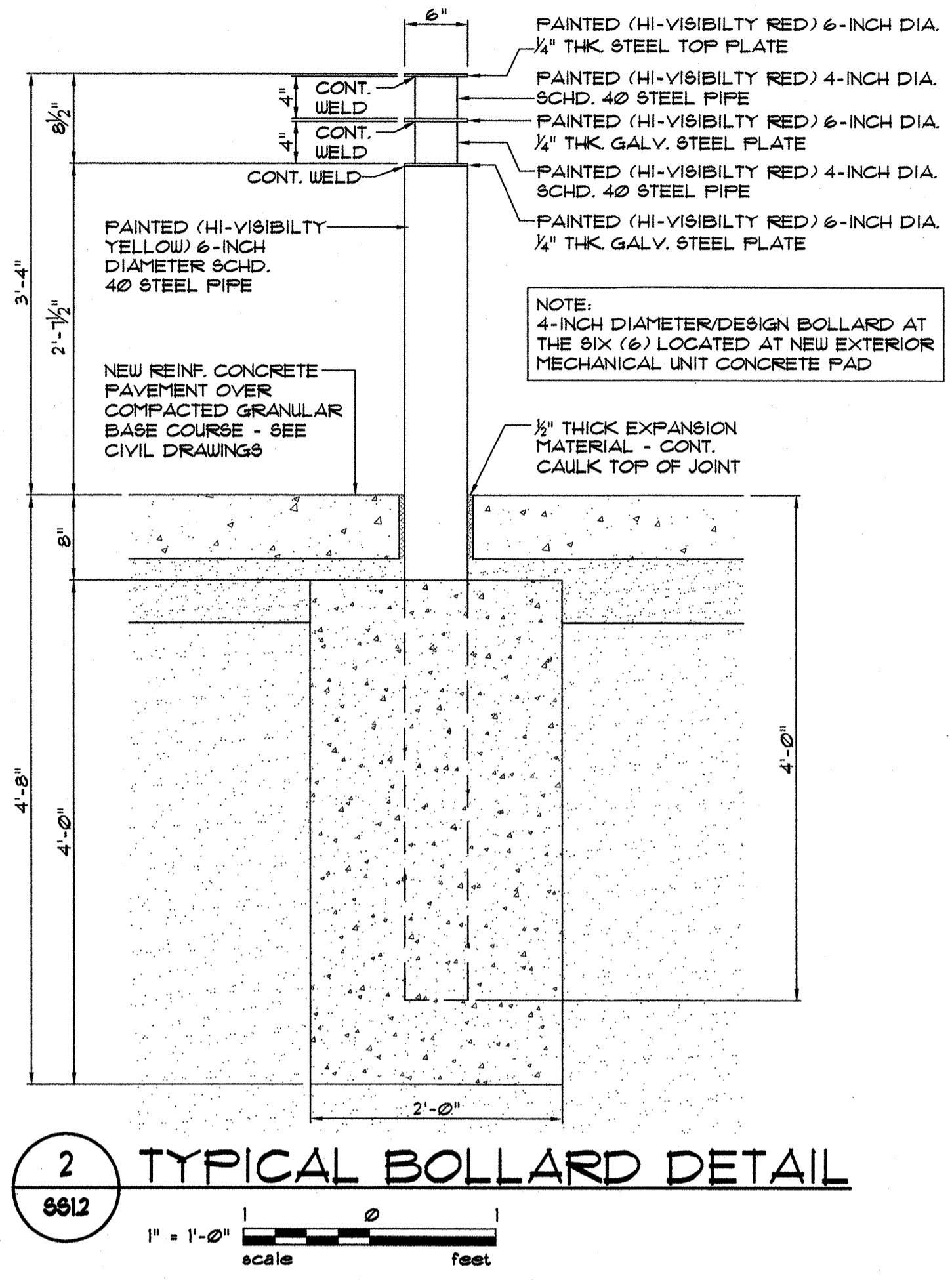
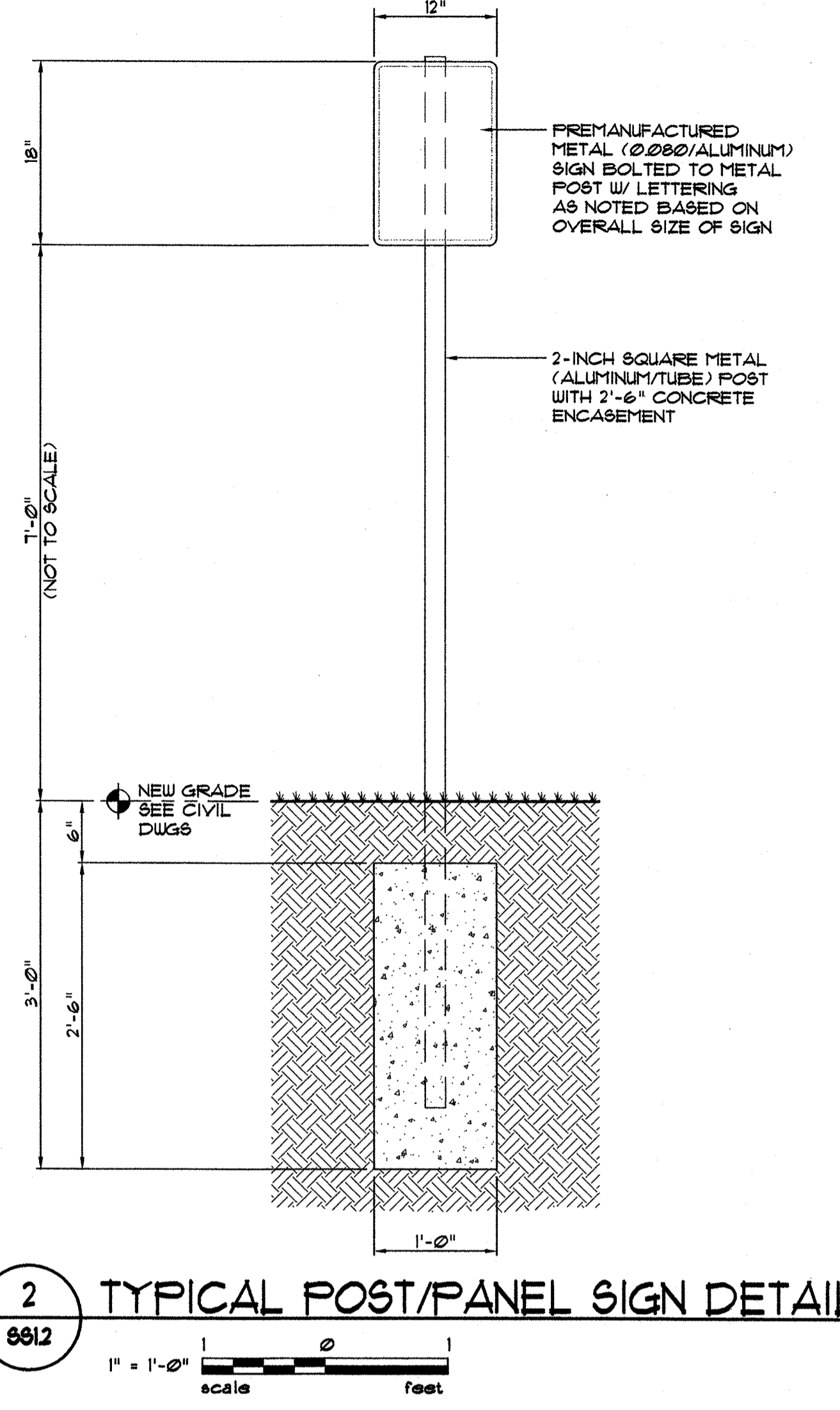
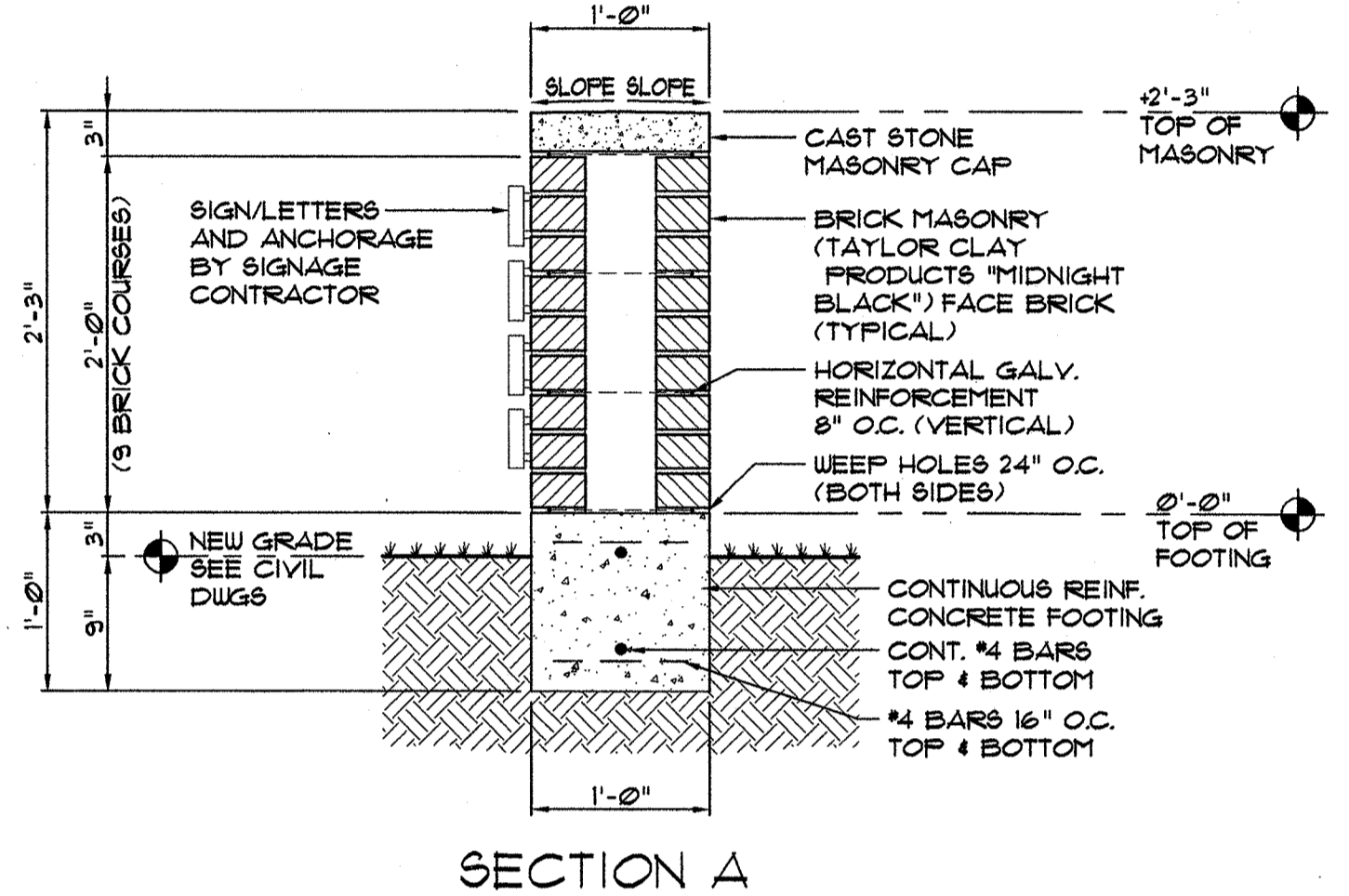
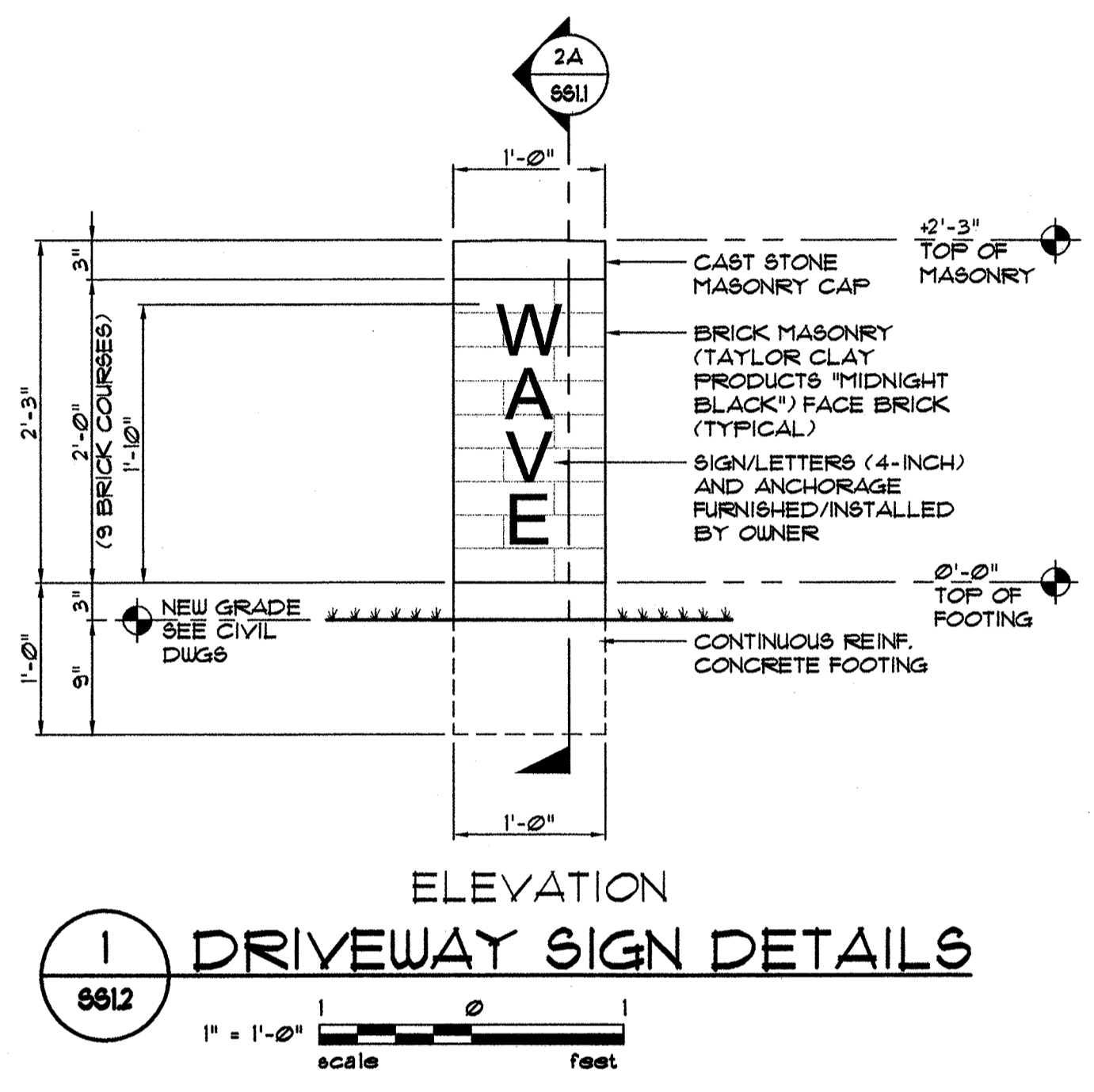
REVISIONS



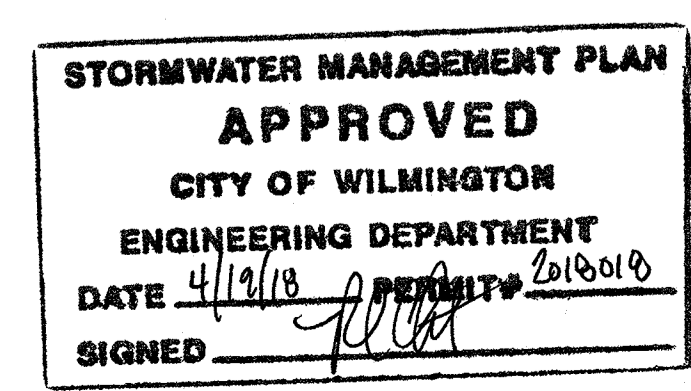
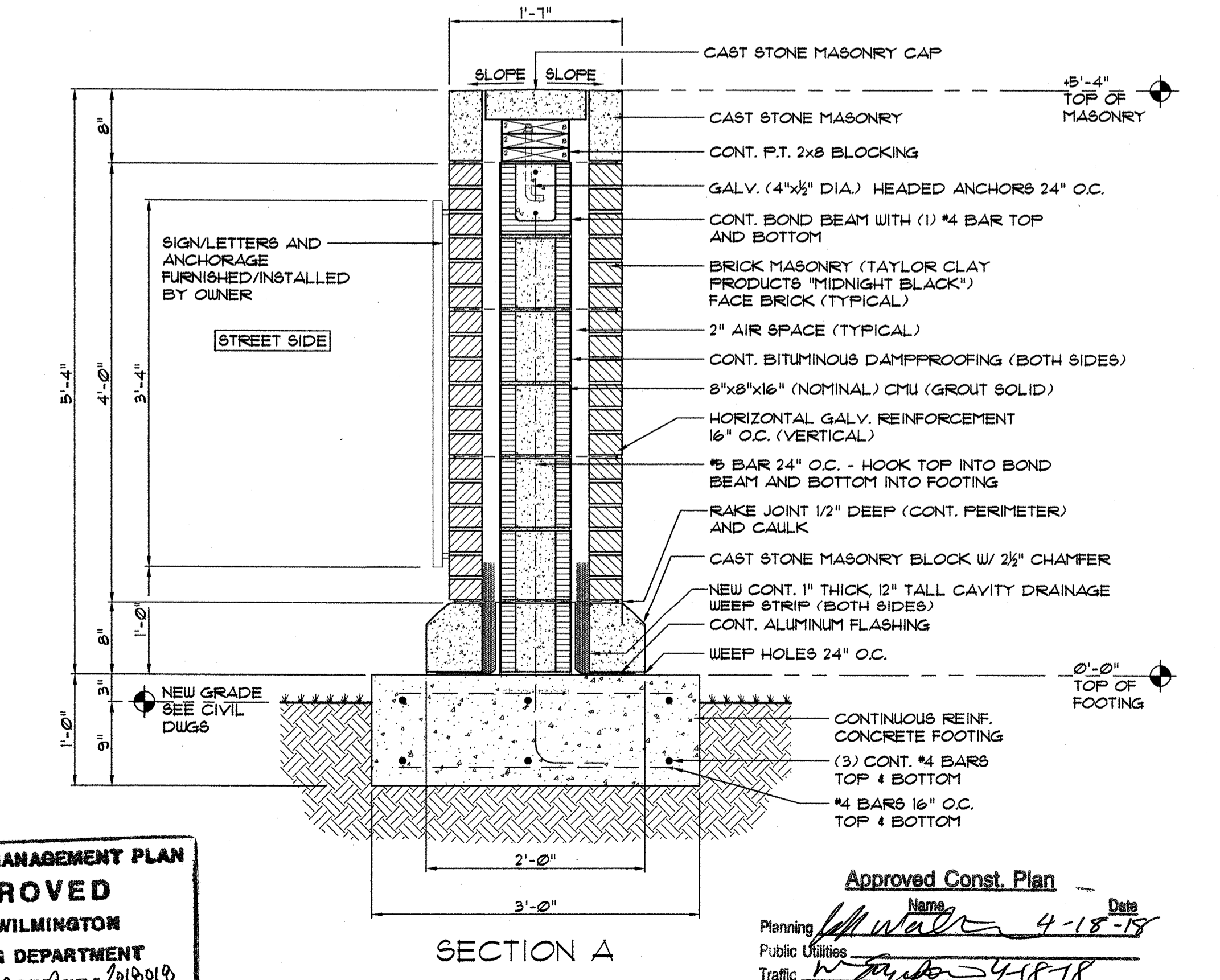
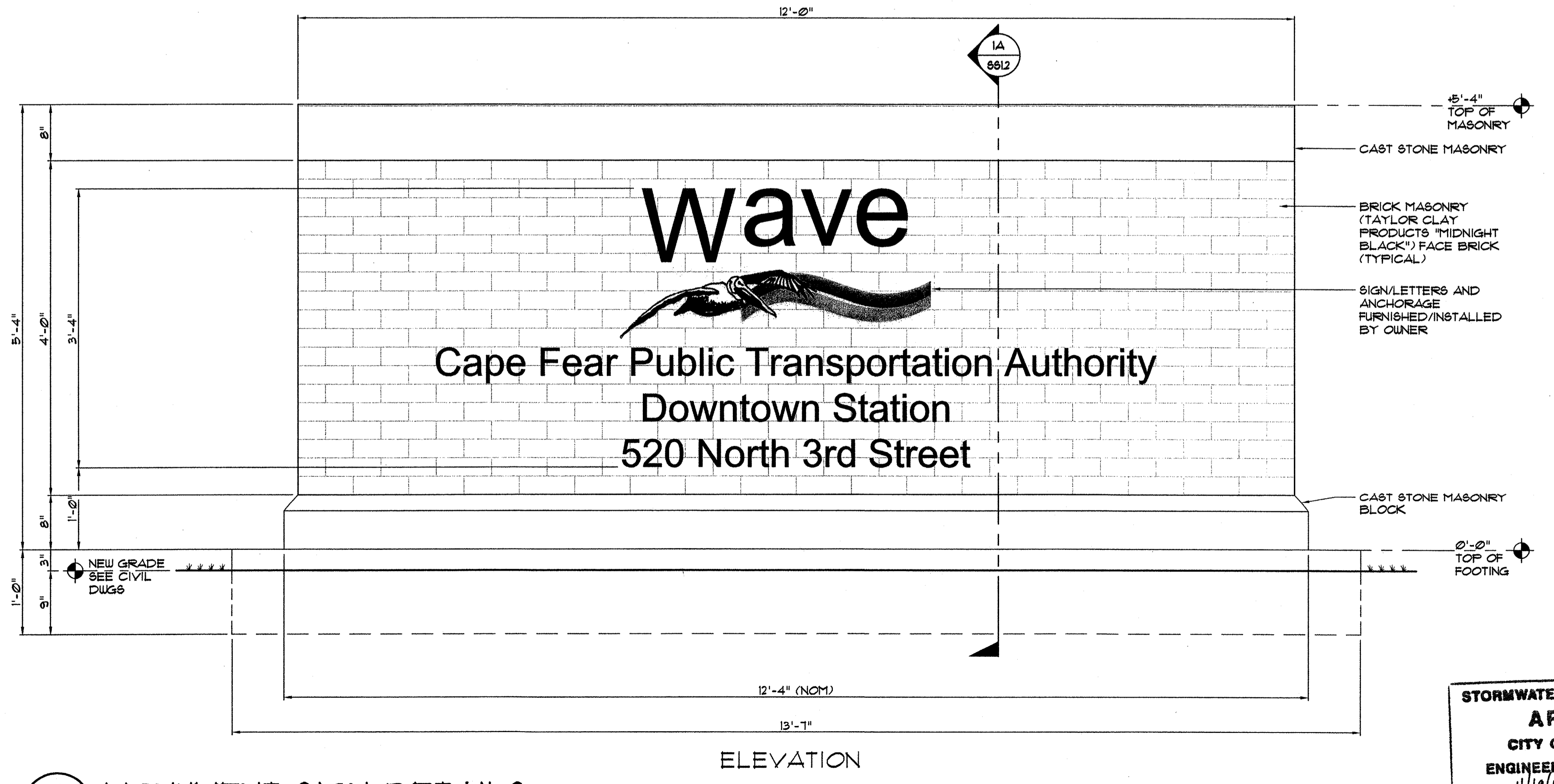
PROJECT NUMBER
186716.03
DRAWING NUMBER
SITE SIGN DETAILS

SS1.2

CFPTA 3RD STREET TRANSIT STATION - 520 N. 3RD STREET - WILMINGTON, NORTH CAROLINA



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 Const. Plan
Name: J. Farabow Date: 4-18-18
Planning: J. Farabow
Public Utilities: J. Farabow
Traffic: J. Farabow
Fire: J. Farabow

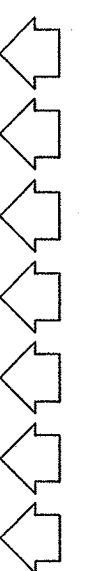


PROJECT ARCHITECT
JOHN W. FARABOW, JR. AIA
PROJECT MANAGER
GEORGE GALLOP
CHECKED BY
JOHN W. FARABOW, JR. AIA
DRAWN BY
GEORGE GALLOP

ISSUE DATE

4/2/2018	PRELIMINARY DESIGN/ APPROVAL
6/12/2018	CITY/TRC SUBMITTAL
6/12/2018	30% PERMIT/CONSTRUCTION SET
7/26/2018	TRC 1ST REVIEW RE-SUBMITTAL
8/7/2018	95% REVIEW SET
1/8/2019	PERMIT/CONSTRUCTION SET
4/16/2018	TRC FINAL REVIEW

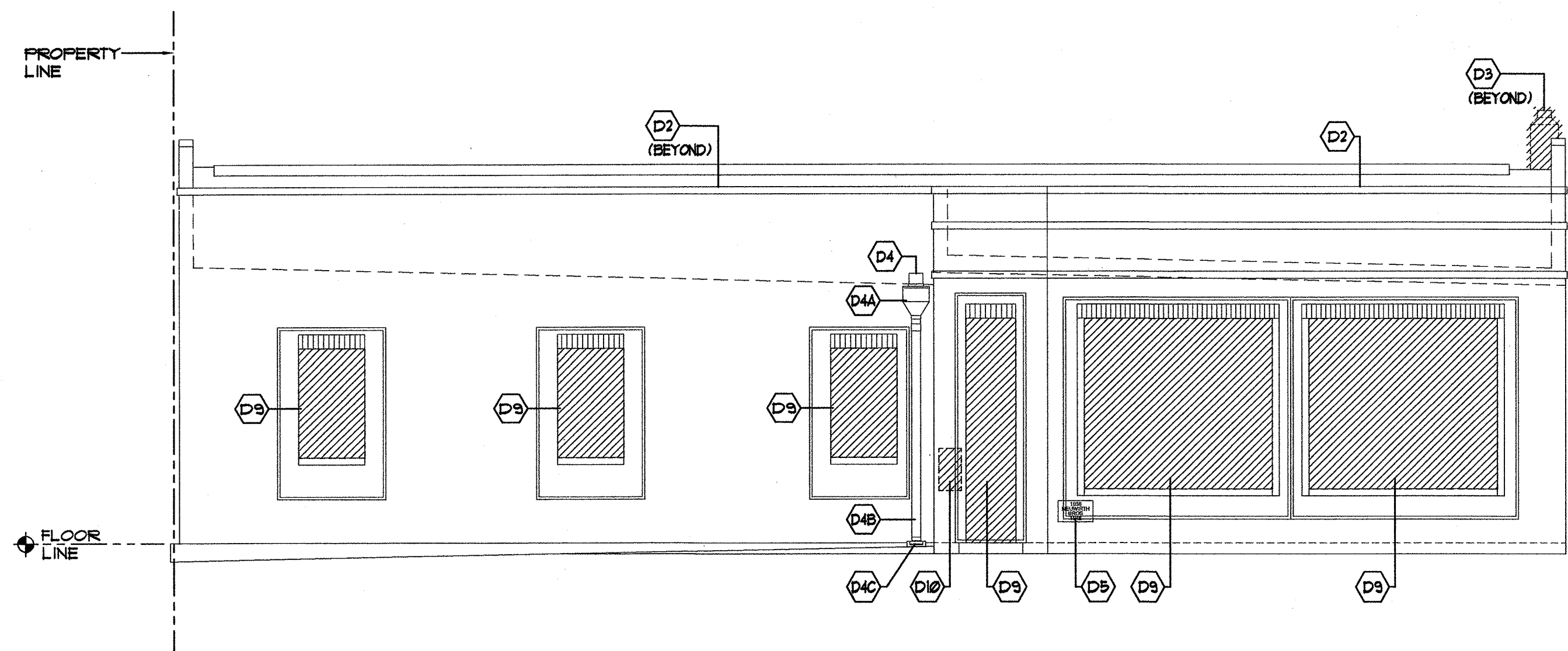
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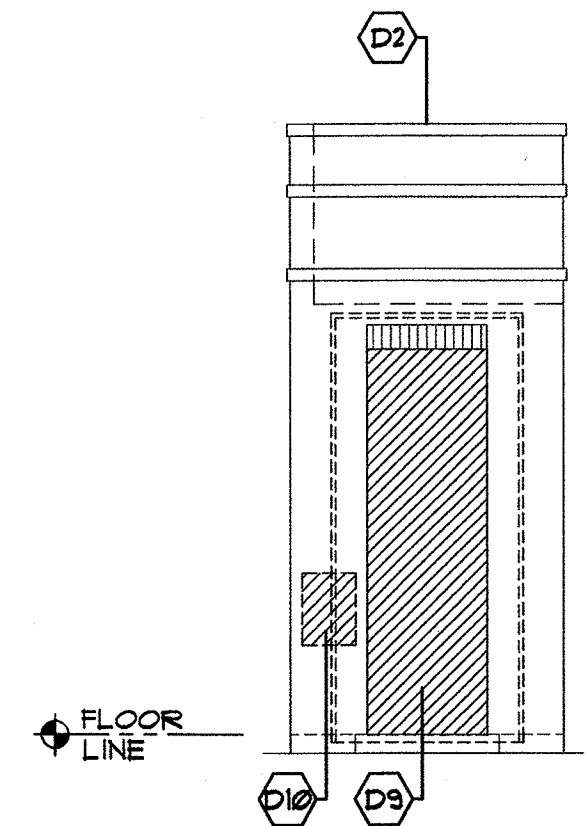
PROJECT NUMBER
186716.03
DRAWING NUMBER
**BLDG. ELEVATIONS
EXIST/DEMOLITION**

A3.1D

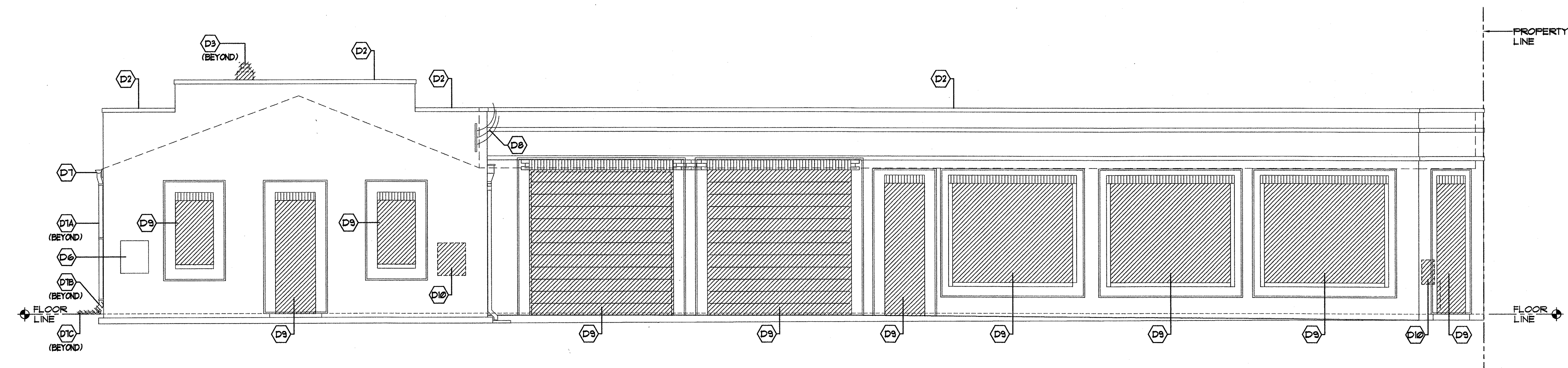
CFPTA 3RD STREET TRANSIT STATION - 520 N. 3RD STREET - WILMINGTON, NORTH CAROLINA



1 BUILDING FRONT (WEST) ELEVATION - EXISTING/DEMOLITION
A3.1D
3/16" = 1'-0"
scale feet



2 BUILDING ENTRY (NORTHWEST) ELEVATION - EXISTING/DEMOLITION
A3.1D
3/16" = 1'-0"
scale feet



3 BUILDING LEFT (NORTH) ELEVATION - EXISTING/DEMOLITION
A3.1D
3/16" = 1'-0"
scale feet

LEGEND

	DENOTES 'EXTERIOR DEMOLITION GENERAL NOTES' ON THIS DRAWING.
	DENOTES EXISTING CONSTRUCTION/PARTITION TO REMAIN.
	DENOTES EXISTING CONSTRUCTION TO BE REMOVED.

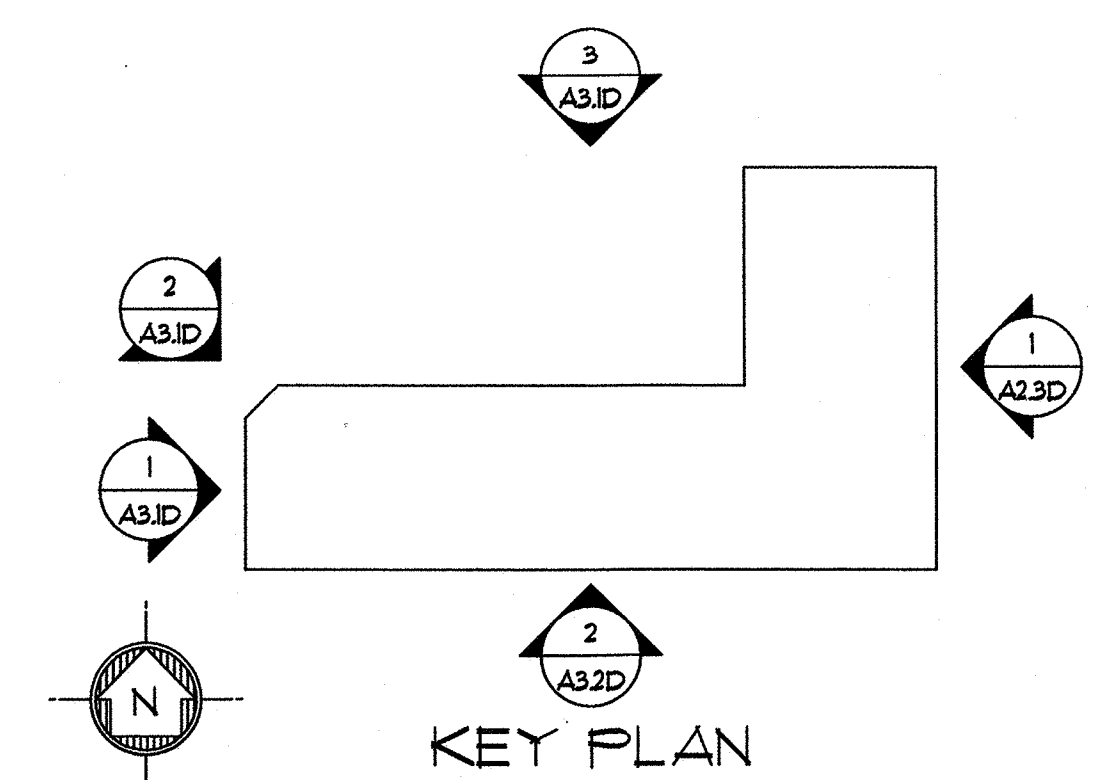
EXTERIOR DEMOLITION GENERAL NOTES

D1	DENOTES ALL OPENINGS/ENTRY ACCESS POINTS TO BE PROTECTED FROM WEATHER AND UNLAWFUL ENTRY DURING DEMOLITION/NEW CONSTRUCTION (TYPICAL)	D8	DENOTES EXISTING ELECTRICAL SERVICE LINES TO REMAIN AS TEMPORARY POWER SOURCE
D2	DENOTES EXISTING BRICK MASONRY ROOF PARAPET CAP TO REMAIN	D9	DENOTES EXISTING TEMPORARY EXTERIOR MASONRY WALL OPENING CLOSURE INCLUDING FULLY-ADHERED EPDM MEMBRANE AND TERMINATION BARS TO BE REMOVED IN ITS ENTIRETY BY GENERAL CONTRACTOR
D3	DENOTES EXISTING BRICK MASONRY CHIMNEY TO BE REMOVED IN ITS ENTIRETY	NOTE:	USE EXTREME CAUTION REMOVING MEMBRANE AND TERMINATION BARS TO AVOID ANY POSSIBLE DAMAGE TO EXISTING EXTERIOR MASONRY/MASONRY JOINTS
D4	DENOTES EXISTING EXTERIOR WALL ROOF OVERFLOW SCUPPER/OPENING TO REMAIN	D10	DENOTES EXISTING SIGN TO BE REMOVED
D4A	DENOTES EXISTING METAL ROOF OVERFLOW SCUPPER/COLLECTOR HEAD TO REMAIN	D11	DENOTES ANY EXISTING ABANDONED CONDUIT, ELECTRICAL LINES, PROTRUDING NAIL HEADS, PROTRUDING SCREW HEADS ETC AS WELL AS ANY ATTACHED FOLIAGE TO BE REMOVED IN ITS ENTIRETY AND SURFACE PREPPED PRIOR TO SEALING (TYPICAL ALL EXTERIOR WALL SURFACES).
D4B	DENOTES OF EXISTING DOWNSPOUT TO REMAIN		
D4C	DENOTES EXISTING PREMANUFACTURED CONCRETE SPLASH BLOCK TO REMAIN		
D5	DENOTES EXISTING BUILDING CORNER STONE TO REMAIN		
D6	DENOTES EXISTING MISMATCHED BRICK MASONRY WALL INFILL TO REMAIN		
D7	DENOTES EXISTING PREFINISHED METAL GUTTER TO REMAIN		
D1A	DENOTES PORTION OF EXISTING DOWNSPOUT TO REMAIN - COORDINATE WITH EXISTING/NEW CONSTRUCTION BUILDING ELEVATIONS ON DRAWING #A3.2		
D1B	DENOTES PORTION OF EXISTING DOWNSPOUT TO BE REMOVED FOR FUTURE CAST IRON DISCHARGE PIPE - COORDINATE WITH EXISTING/NEW CONSTRUCTION BUILDING ELEVATIONS ON DRAWING #A3.2		
D1C	DENOTES EXISTING PREMANUFACTURED CONCRETE SPLASHBLOCK TO BE REMOVED		

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 4/19/18 PERMIT # 2018018
SIGNED [Signature]**

Approved Const. Plan
Name: [Signature] Date: 4-18-18
Planning: [Signature] 4-18-18
Public Utilities: [Signature] 4-18-18
Traffic: [Signature] 4-18-18
Fire: [Signature] 4-18-18





PROJECT ARCHITECT
JOHN W. FARABOW, JR. AIA
PROJECT MANAGER
GEORGE GALLOP
CHECKED BY
JOHN W. FARABOW, JR. AIA
DRAWN BY
GEORGE GALLOP

ISSUE DATE	DESCRIPTION
4/21/2011	PRELIMINARY DESIGN/APPROVAL
6/12/2011	CITY/TRC SUBMITTAL
6/12/2011	30% PERMIT/CONSTRUCTION SET
7/28/2011	TRC 1ST REVIEW RE-SUBMITTAL
8/1/2011	95% REVIEW SET
1/8/2018	PERMIT/CONSTRUCTION SET
4/18/2018	TRC FINAL REVIEW

REVISIONS

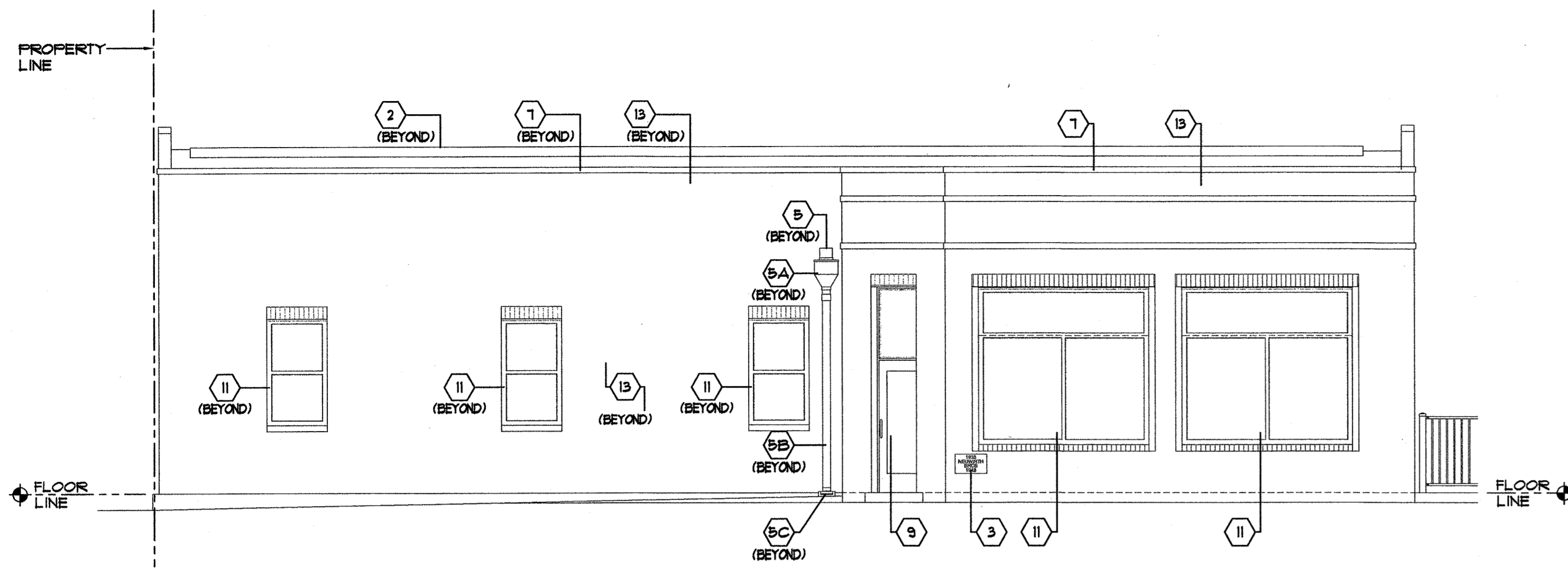


PROJECT NUMBER
186716.03

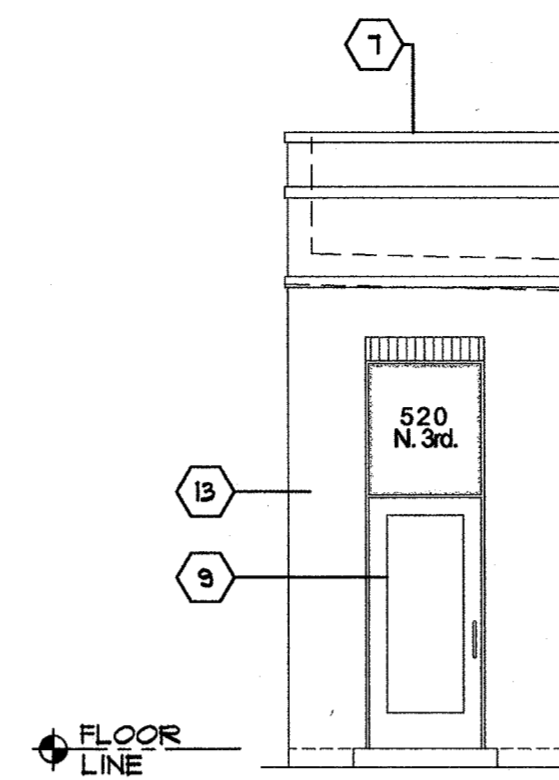
DRAWING NUMBER
**BLDG. ELEVATIONS
EXISTING/NEW
CONSTRUCTION**

A3.1

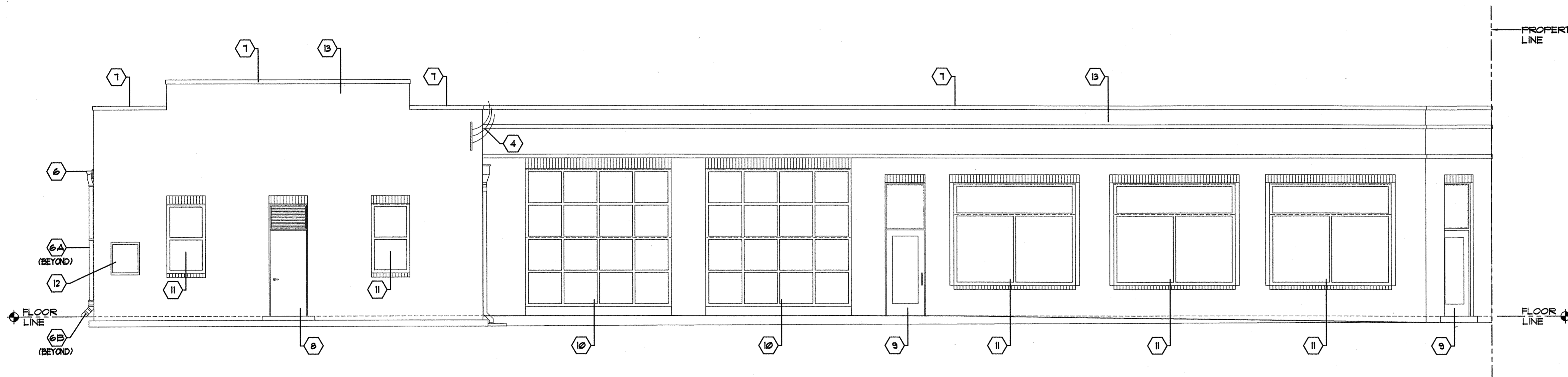
CFPTA 3RD STREET TRANSIT STATION - 520 N. 3RD STREET - WILMINGTON, NORTH CAROLINA



1 BUILDING FRONT (WEST) ELEVATION - EXISTING/NEW CONSTRUCTION
A3.1
3/16" = 1'-0"
scale feet



2 BUILDING ENTRY (NORTHWEST) ELEVATION - EXISTING/NEW CONSTRUCTION
A3.1
3/16" = 1'-0"
scale feet



3 BUILDING LEFT (NORTH) ELEVATION - EXISTING/NEW CONSTRUCTION
A3.1
3/16" = 1'-0"
scale feet

LEGEND

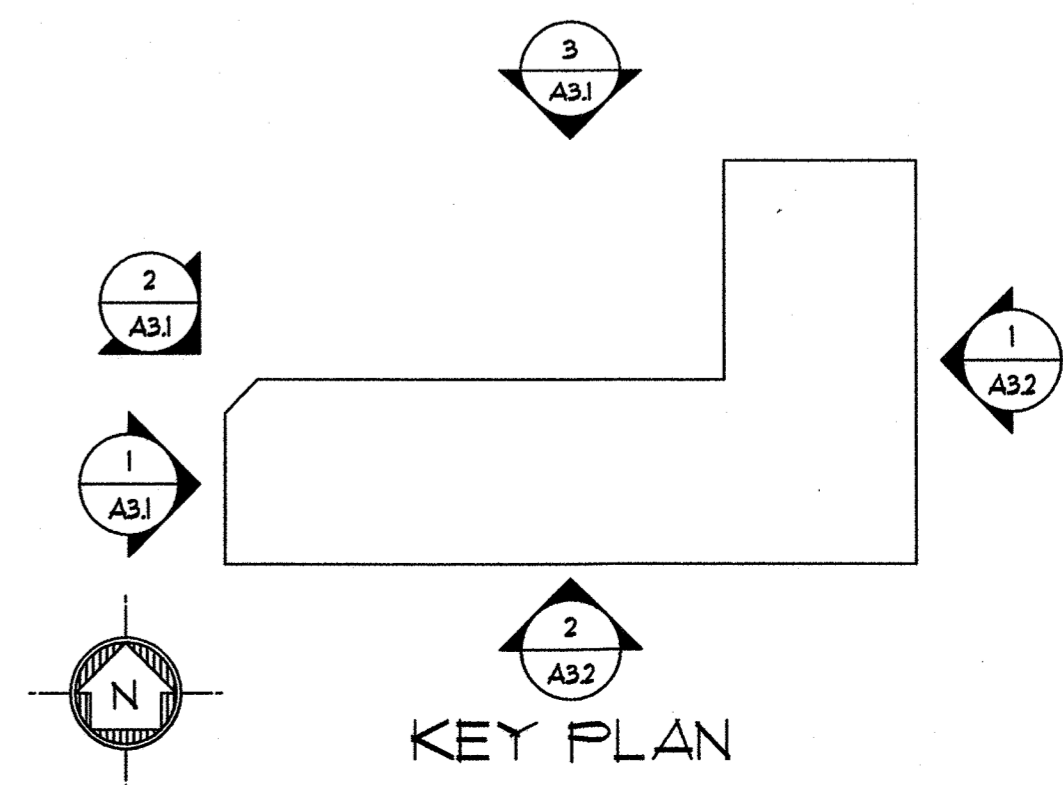
- ⊛ DENOTES 'EXTERIOR EXISTING/STABILIZATION/NEW CONSTRUCTION GENERAL NOTES' ON THIS DRAWING.
- DENOTES EXISTING CONSTRUCTION TO REMAIN.

EXTERIOR NEW CONSTRUCTION GENERAL NOTES

- ⊛ DENOTES ALL OPENINGS/ENTRY ACCESS POINTS TO BE PROTECTED FROM WEATHER AND UNLAWFUL ENTRY DURING DEMOLITION/STABILIZATION CONSTRUCTION (TYPICAL)
- ⊛ DENOTES EXISTING BUILDING CORNER STONE TO REMAIN
- ⊛ DENOTES EXISTING ELECTRICAL SERVICE LINES TO REMAIN AS TEMPORARY POWER SOURCE
- ⊛ DENOTES EXISTING ROOF OVERFLOW SCUPPER TO REMAIN
- ⊛ DENOTES EXISTING PREFINISHED METAL GUTTER TO REMAIN
- ⊛ DENOTES PORTION OF EXISTING DOWNSPOUT TO REMAIN
- ⊛ DENOTES NEW CAST IRON DOWNSPOUT DISCHARGE PIPE
- ⊛ DENOTES EXISTING PREFINISHED (GREY) METAL WALL CAP TO REMAIN
- ⊛ DENOTES NEW PAINTED HOLLOW METAL FRAME/DOOR WITH NEW PREFINISHED (COLOR TO MATCH FRAME) METAL (ALUMINUM) LOUVER ABOVE - SEE DOOR DETAILS ON DRAWING *A5.2
NOTE:
PAINTED HOLLOW METAL FRAME/DOOR IS TO BE IN ACCORDANCE W/ NCECC TABLE 502.2 (1) BUILDING ENVELOPE REQUIREMENTS SWINGING OPAQUE DOOR ASSEMBLIES/CLIMATE ZONE-4 (0.31, U-VALUE ASSEMBLY W/ GLAZING SHGC 0.25 RATING)
- ⊛ DENOTES NEW PAINTED HOLLOW METAL FRAME/DOOR WITH NEW 1" THICK LOW-E INSULATED GLASS UNITS - SEE DOOR DETAILS ON DRAWING *A5.2
NOTE:
PAINTED HOLLOW METAL FRAME/DOOR IS TO BE IN ACCORDANCE W/ NCECC TABLE 502.2 (1) BUILDING ENVELOPE REQUIREMENTS SWINGING OPAQUE DOOR ASSEMBLIES/CLIMATE ZONE-4 (0.31, U-VALUE ASSEMBLY W/ GLAZING SHGC 0.25 RATING)
- ⊛ DENOTES NEW PREFINISHED METAL (COLOR TO BE SELECTED) INSULATED FIXED GLASS WINDOW UNIT (EQUIVALENT TO HOPE WINDOWS 4 DOORS "LANDMARK ITS" SERIES W/ 1" THICK LOW-E INSULATED GLASS UNITS - SEE WINDOW DETAILS ON DRAWING *A6.1
NOTE:
WINDOW UNITS TO BE IN ACCORDANCE W/ NCECC TABLE 502.2 (1) BUILDING ENVELOPE REQUIREMENTS (0.34, U-VALUE ASSEMBLY W/ GLAZING SHGC 0.22 RATING)
- ⊛ DENOTES NEW PREFINISHED METAL (COLOR TO BE SELECTED) INSULATED GLASS/AJING WINDOW UNIT (EQUIVALENT TO HOPE WINDOWS 4 DOORS "LANDMARK ITS" SERIES W/ 1" THICK LOW-E INSULATED GLASS UNITS - SEE WINDOW DETAILS ON DRAWING *A6.1
NOTE:
WINDOW UNITS TO BE IN ACCORDANCE W/ NCECC TABLE 502.2 (1) BUILDING ENVELOPE REQUIREMENTS (0.34, U-VALUE ASSEMBLY W/ GLAZING SHGC 0.22 RATING)
- ⊛ DENOTES NEW WALL MOUNTED ACCESSIBLE PARKING SIGN - LOCATED ON SECTION OF EXISTING BRICK (RED) AS DIRECTED BY ARCHITECT
- ⊛ DENOTES NEW EXTERIOR EXISTING BRICK MASONRY WATER-REPELLANT COATING ON ENTIRE BUILDING

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 Const. Plan
Name: *John W. Farabow, Jr.* Date: *4-18-18*
Planning: *John W. Farabow, Jr.*
Public Utilities: *John W. Farabow, Jr.*
Traffic: *John W. Farabow, Jr.*
Fire: *John W. Farabow, Jr.*



KEY PLAN



PROJECT ARCHITECT
JOHN W. FARABOW, JR. AIA

PROJECT MANAGER
GEORGE GALLOP

CHECKED BY
JOHN W. FARABOW, JR. AIA

DRAWN BY
GEORGE GALLOP

ISSUE DATE

4/12/2017	PRELIMINARY DESIGN/APPROVAL
6/12/2017	CITY/TRC SUBMITTAL
6/12/2017	30% PERMIT/CONSTRUCTION SET
1/26/2018	TRC 1ST REVIEW RE-SUBMITTAL
6/7/2018	95% REVIEW SET
1/8/2018	PERMIT/CONSTRUCTION SET
4/10/2018	TRC FINAL REVIEW

REVISIONS



PROJECT NUMBER

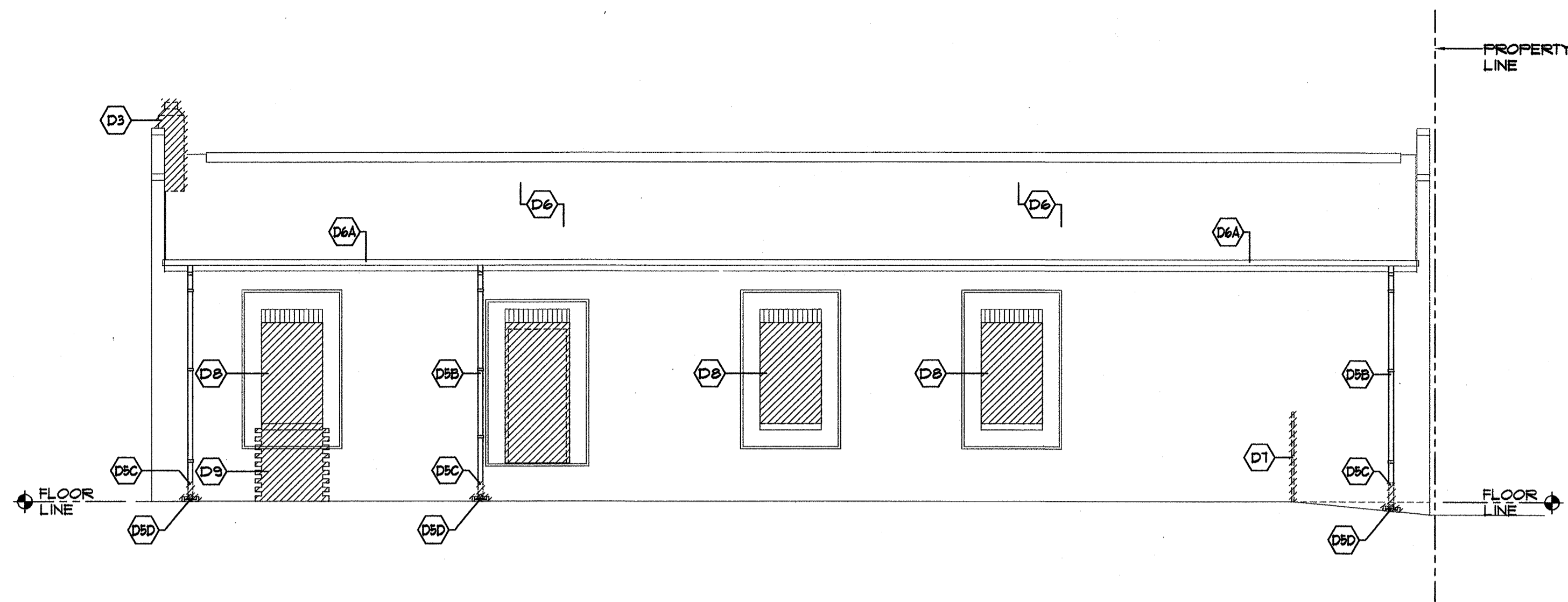
186716.03

DRAWING NUMBER

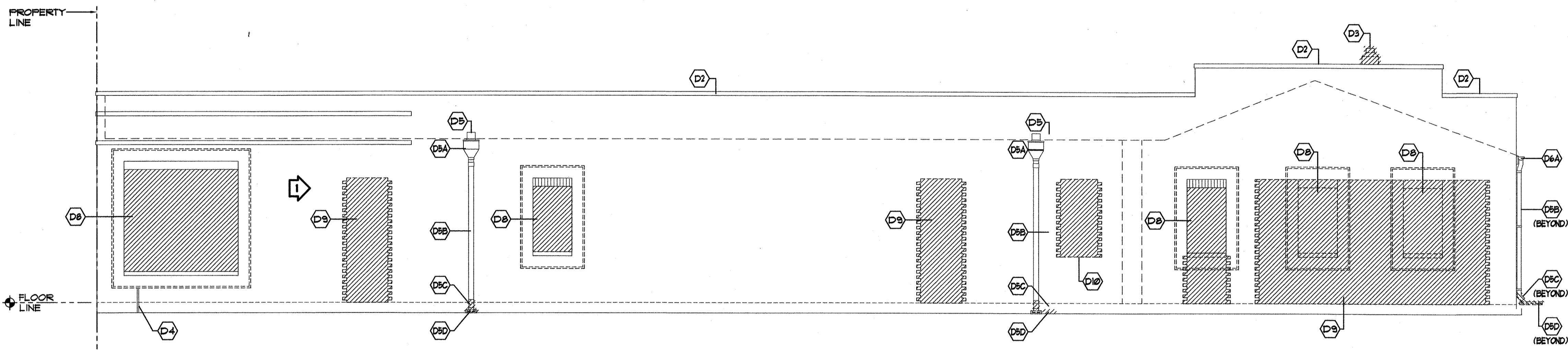
BLDG. ELEVATIONS
EXIST/DEMOLITION

A3.2D

CFPTA 3RD STREET TRANSIT STATION - 520 N. 3RD STREET - WILMINGTON, NORTH CAROLINA



1 BUILDING REAR (EAST) ELEVATION-EXISTING/DEMOLITION
A3.2D
3/16" = 1'-0"
scale feet



2 BUILDING RIGHT (SOUTH) ELEVATION - EXISTING/DEMOLITION
A3.2D
3/16" = 1'-0"
scale feet

LEGEND

- DENOTES 'EXTERIOR DEMOLITION GENERAL NOTES' ON THIS DRAWING.
- DENOTES EXISTING CONSTRUCTION/PARTITION TO REMAIN.
- DENOTES EXISTING CONSTRUCTION TO BE REMOVED.

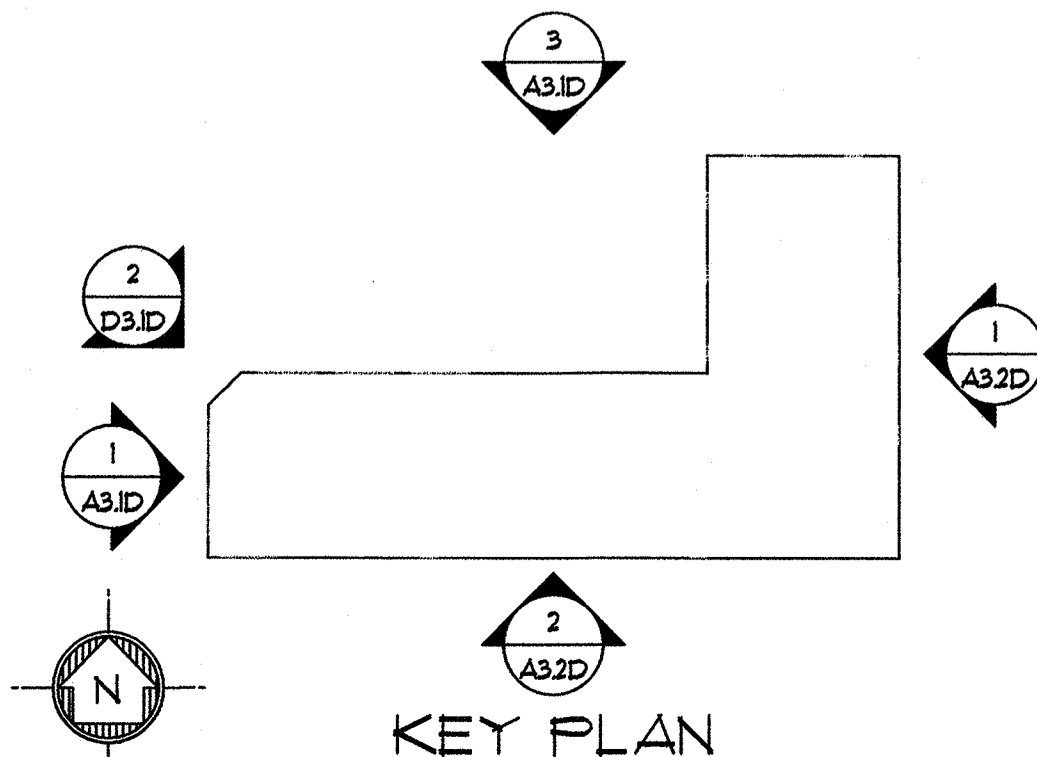
EXTERIOR DEMOLITION GENERAL NOTES

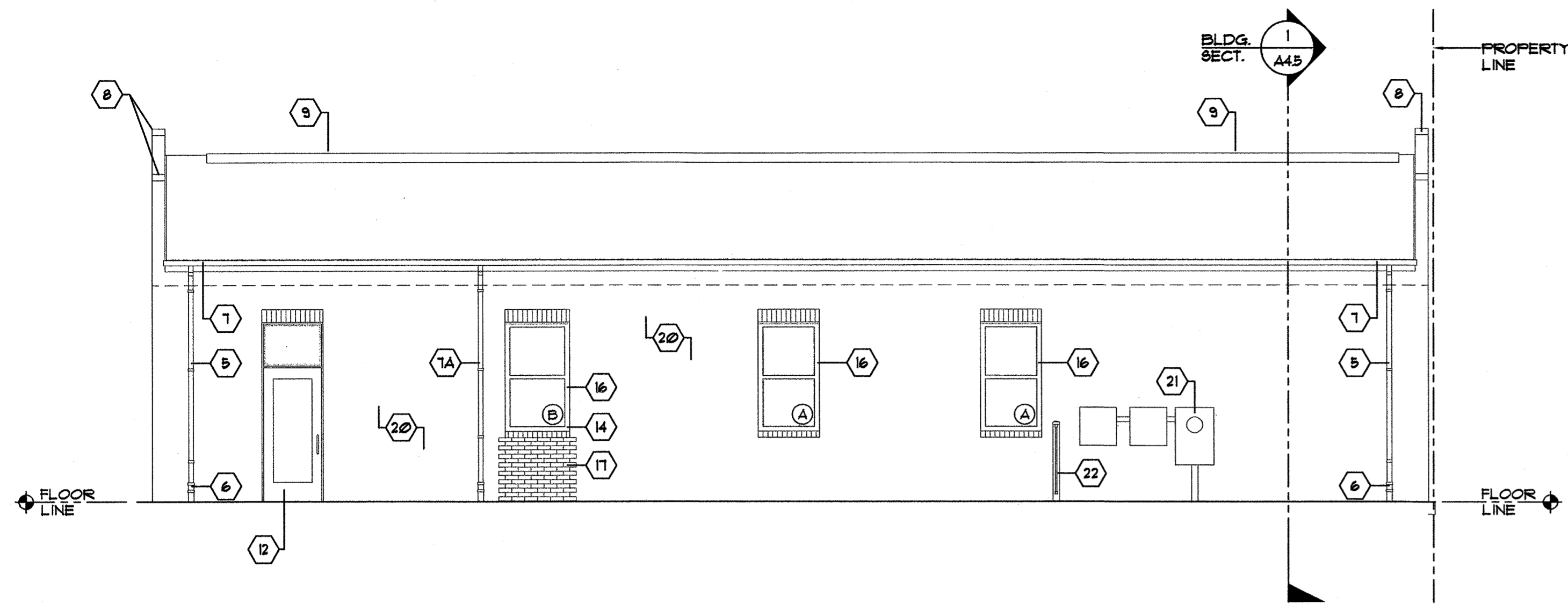
- (D1)** DENOTES ALL OPENINGS/ENTRY ACCESS POINTS TO BE PROTECTED FROM WEATHER AND UNLAWFUL ENTRY DURING DEMOLITION/NEW CONSTRUCTION (TYPICAL)
- (D2)** DENOTES EXISTING BRICK MASONRY ROOF PARAPET CAP TO REMAIN
- (D3)** DENOTES EXISTING BRICK MASONRY CHIMNEY TO REMAIN
- (D4)** DENOTES EXISTING NATURAL GAS/PROPANE SUPPLY LINE TO REMAIN
- (D5)** DENOTES EXISTING EXTERIOR WALL ROOF SCUPPER/OPENING TO REMAIN
- (D6A)** DENOTES EXISTING METAL ROOF SCUPPER/COLLECTOR HEAD TO REMAIN
- (D6B)** DENOTES PORTION OF EXISTING DOWNSPOUT TO REMAIN - COORDINATE WITH EXISTING/NEW CONSTRUCTION BUILDING ELEVATIONS ON DRAWING #A3.2
- (D6C)** DENOTES PORTION OF EXISTING DOWNSPOUT TO TO BE REMOVED FOR FUTURE CAST IRON DISCHARGE PIPE - COORDINATE WITH EXISTING/NEW CONSTRUCTION BUILDING ELEVATIONS ON DRAWING #A3.2
- (D6D)** DENOTES EXISTING PREFABRICATED CONCRETE SPLASHBLOCK TO BE REMOVED
- (D6E)** DENOTES EXISTING SHINGLE ROOF TO REMAIN
- (D6A)** DENOTES EXISTING PREFINISHED (BLACK) METAL GUTTER TO REMAIN
- (D7)** DENOTES EXISTING ABANDONED METAL PIPE TO BE REMOVED
- (D8)** DENOTES EXISTING TEMPORARY EXTERIOR MASONRY WALL OPENING CLOSURE INCLUDING FULLY-ADHERED EPDM MEMBRANE AND TERMINATION BARS TO BE REMOVED IN ITS ENTIRETY BY GENERAL CONTRACTOR
NOTE:
USE EXTREME CAUTION REMOVING MEMBRANE AND TERMINATION BARS TO AVOID ANY POSSIBLE DAMAGE TO EXISTING EXTERIOR MASONRY/MASONRY JOINTS
- (D9)** DENOTES PORTION OF EXISTING EXTERIOR BRICK MASONRY WALL TO BE REMOVED FOR NEW DOOR OPENING BY GENERAL CONTRACTOR - COORDINATE WITH EXISTING/NEW CONSTRUCTION FLOORPLAN DRAWING #/A11
NOTES:
1. EXISTING BRICK/CMU MASONRY TO BE REMOVED IN "TOOTH-BOND" PATTERN
2. CLEAN/STORE REMOVED BRICKS/CMU BLOCKS FOR RE-USE IN PATCHING
- (D10)** DENOTES PORTION OF EXISTING EXTERIOR BRICK MASONRY WALL TO BE REMOVED FOR NEW MECHANICAL LOUVER OPENING BY GENERAL CONTRACTOR - COORDINATE WITH EXISTING/NEW CONSTRUCTION FLOORPLAN DRAWING #/A11
NOTES:
1. EXISTING BRICK/CMU MASONRY TO BE REMOVED IN "TOOTH-BOND" PATTERN
2. CLEAN/STORE REMOVED BRICKS/CMU BLOCKS FOR REUSE IN PATCHING
- (D11)** DENOTES PORTION OF EXISTING EXTERIOR BRICK MASONRY PARAPET WALL TO BE REMOVED FOR NEW ROOF SCUPPER OPENING BY GENERAL CONTRACTOR - COORDINATE WITH NEW/EXISTING BUILDING ELEVATION - EXISTING/NEW CONSTRUCTION DRAWING #/A3.2 AND EXISTING/NEW CONSTRUCTION ROOF PLAN DRAWING #/A2.1
NOTES:
1. EXISTING BRICK/CMU MASONRY TO BE REMOVED IN "TOOTH-BOND" PATTERN
- (D12)** DENOTES AREA OF EXISTING EXTERIOR BRICK MASONRY AND INTERIOR CMU MASONRY WALL OPENING MASONRY INFILL TO BE REMOVED IN ITS ENTIRETY - COORDINATE WITH EXISTING/NEW CONSTRUCTION DRAWING #/A11 AND EXISTING/NEW ELEVATION DRAWING #/A3.2
NOTE:
1. CLEAN/STORE REMOVED BRICKS/CMU BLOCKS FOR RE-USE IN PATCHING
- (D13)** DENOTES AT THE END OF EXISTING/DEMOLITION/NEW CONSTRUCTION ALL EXTERIOR DEBRIS, LITTER AND DEMOLITION/CONSTRUCTION MATERIALS SHALL BE REMOVED AND ALL EXTERIOR AREAS LEFT CLEAN BY THE GENERAL CONTRACTOR (TYPICAL)
- (D14)** DENOTES ANY EXISTING ABANDONED CONDUIT, ELECTRICAL LINES, PROTRUDING NAIL HEADS, PROTRUDING SCREW HEADS ETC AS WELL AS ANY ATTACHED FOLIAGE TO BE REMOVED IN ITS ENTIRETY AND SURFACE PREPPED PRIOR TO SEALING (TYPICAL ALL EXTERIOR WALL SURFACES).

For each opening cut of City street a permit shall be required from the City prior to occupancy and/or project acceptance.

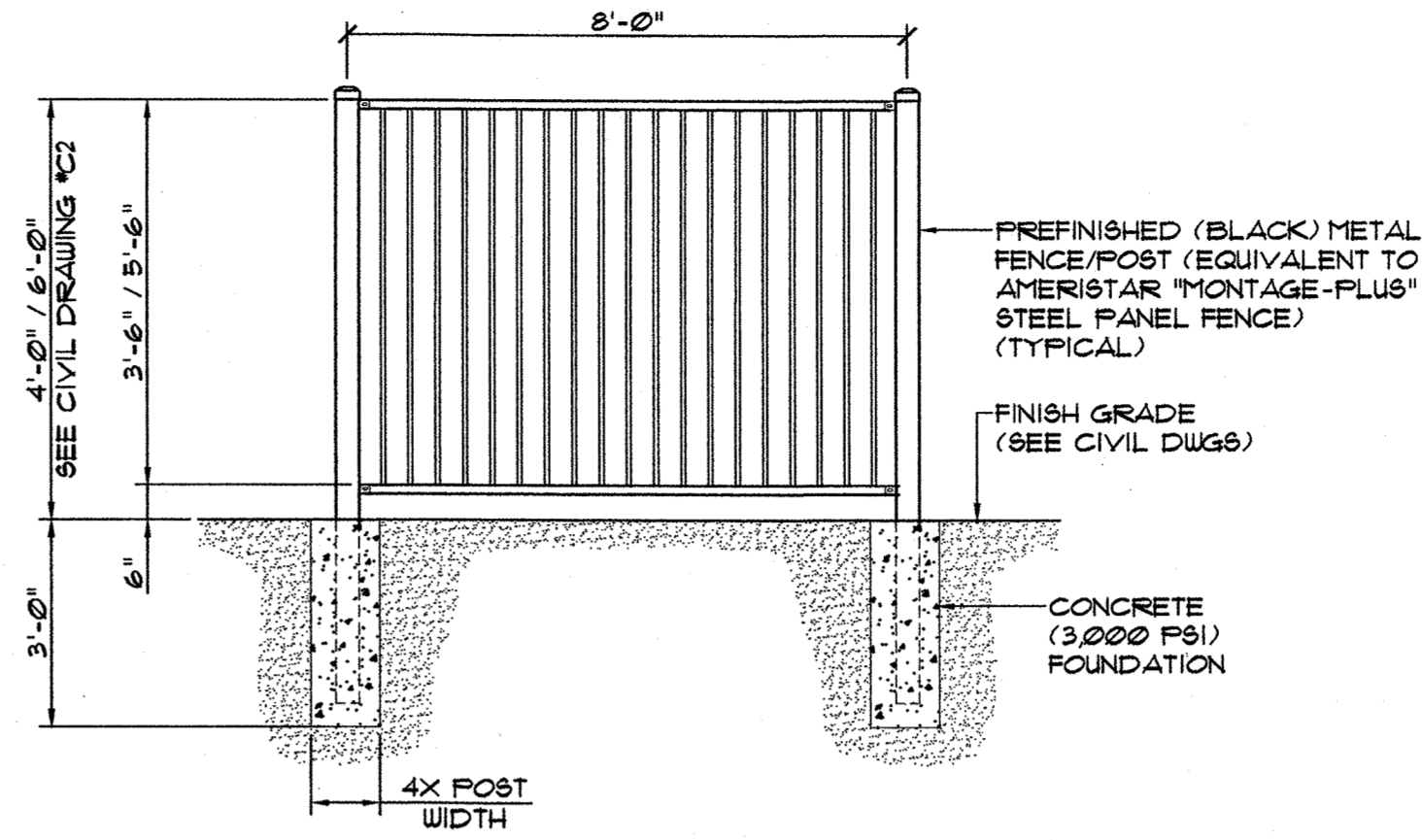
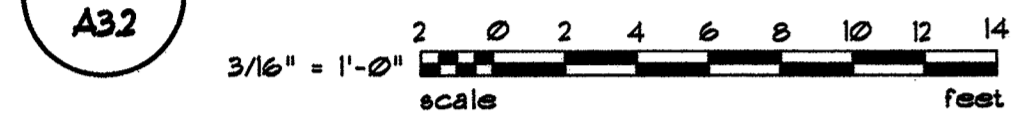
Approved Const. Plan
Name: J. Walters Date: 4-18-18
Planning: [Signature]
Public Utilities: [Signature]
Traffic: [Signature]
Fire: [Signature]

STORMWATER MANAGEMENT PLAN APPROVED
CITY OF WILMINGTON
ENGINEERING DEPARTMENT
DATE: 4/18/18 PERMIT: 2018018
SIGNED: [Signature]

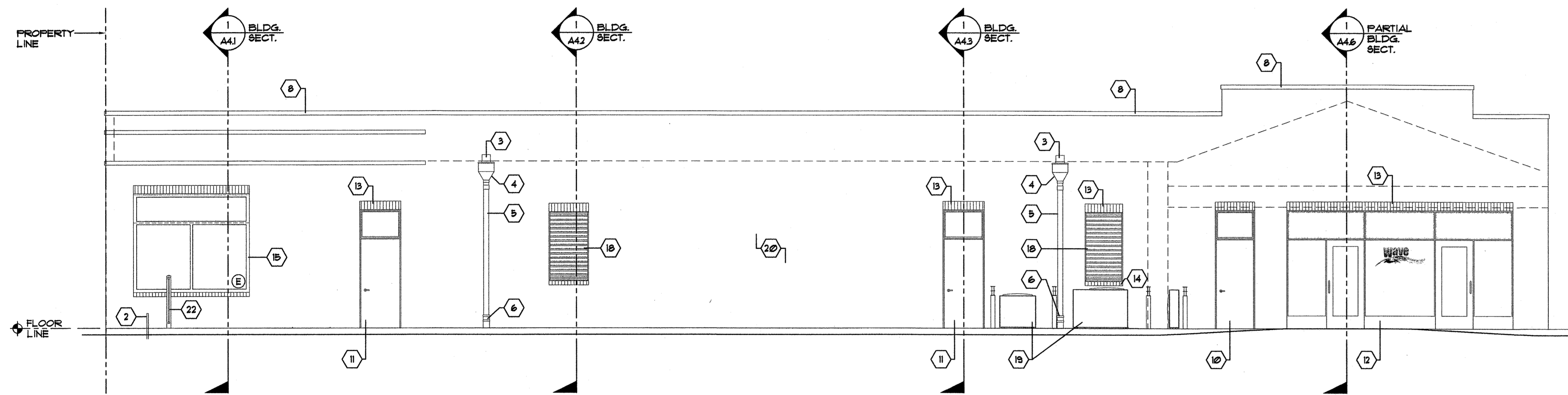
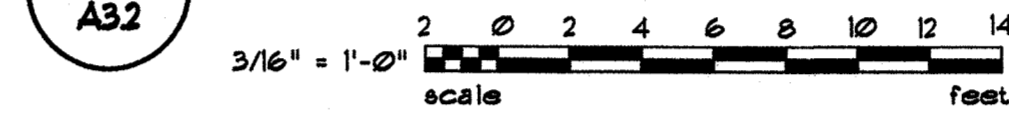




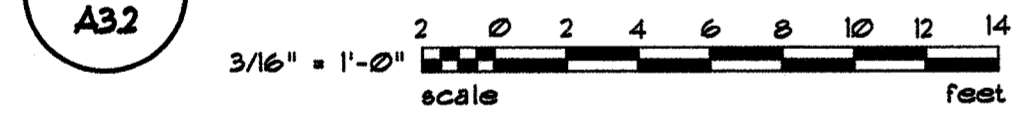
1 BUILDING REAR (EAST) ELEVATION-EXISTING/NEW CONSTRUCTION



3 TYPICAL FENCE DETAIL



2 BUILDING RIGHT (SOUTH) ELEVATION - EXISTING/NEW CONSTRUCTION

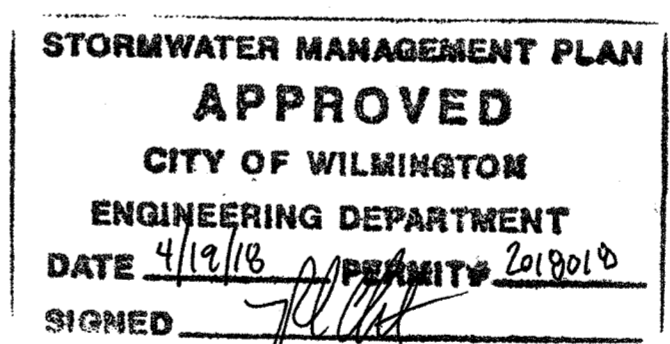


LEGEND

- # DENOTES EXTERIOR EXISTING/STABILIZATION/NEW CONSTRUCTION GENERAL NOTES ON THIS DRAWING.
- DENOTES EXISTING CONSTRUCTION TO REMAIN.

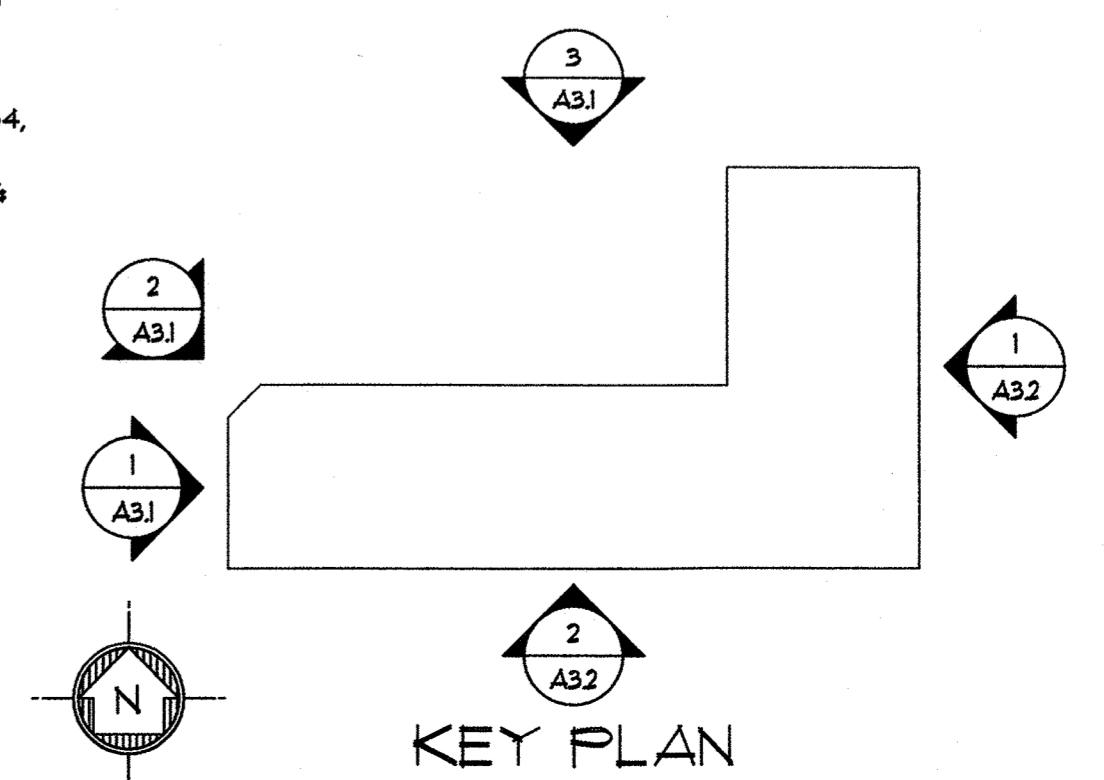
EXTERIOR NEW CONSTRUCTION GENERAL NOTES

- 1 DENOTES ALL OPENINGS/ENTRY ACCESS POINTS TO BE PROTECTED FROM WEATHER AND UNLAWFUL ENTRY DURING DEMOLITION/STABILIZATION CONSTRUCTION (TYPICAL)
- 2 DENOTES EXISTING GAS SUPPLY LINE TO REMAIN
- 3 DENOTES EXISTING EXTERIOR WALL ROOF SCUPPER OPENING TO REMAIN
- 4 DENOTES EXISTING METAL COLLECTOR HEAD TO REMAIN
- 5 DENOTES PORTION OF EXISTING DOWNSPOUT TO REMAIN
- 6 DENOTES NEW CAST IRON NEW IRON DOWNSPOUT BOOT (EQUIVALENT TO ZURN 2191-RD 4"x18" DOWNSPOUT BOOT) WITH ROUND INLET/OUTLET AND OPTIONAL CLEAN OUT PORT
- 7 DENOTES EXISTING PREFINISHED METAL GUTTER TO REMAIN
- 8 DENOTES EXISTING PREFINISHED (GREY) METAL WALL CAP TO REMAIN
- 9 DENOTES EXISTING SHINGLE ROOF TO REMAIN
- 10 DENOTES NEW PAINTED HOLLOW METAL FRAME/DOOR WITH INTEGRATED HOLLOW METAL TRANSOM ABOVE - SEE DOOR DETAILS ON DRAWING *A5.2
NOTE:
PAINTED HOLLOW METAL FRAME/DOOR IS TO BE IN ACCORDANCE W/ NCECC TABLE 5022 (1) BUILDING ENVELOPE REQUIREMENTS SWINGING OPAQUE DOOR ASSEMBLIES/CLIMATE ZONE-4 (0.31, U-VALUE ASSEMBLY W/ GLAZING SHGC 0.25 RATING)
- 11 DENOTES NEW PAINTED HOLLOW METAL FRAME/DOOR WITH INTEGRATED GLASS TRANSOM ABOVE - SEE DOOR DETAILS ON DRAWING *A5.2
NOTE:
PAINTED HOLLOW METAL FRAME/DOOR IS TO BE IN ACCORDANCE W/ NCECC TABLE 5022 (1) BUILDING ENVELOPE REQUIREMENTS SWINGING OPAQUE DOOR ASSEMBLIES/CLIMATE ZONE-4 (0.31, U-VALUE ASSEMBLY W/ GLAZING SHGC 0.25 RATING)
- 12 DENOTES NEW PAINTED (COLOR TO BE SELECTED) HOLLOW METAL FRAME/DOOR W/ 1" THICK LOW-E INSULATED GLASS UNITS - SEE DOOR DETAILS ON DRAWING *A5.2
NOTE:
HOLLOW METAL FRAME/DOOR IS TO BE IN ACCORDANCE W/ NCECC TABLE 5022 (1) BUILDING ENVELOPE REQUIREMENTS SWINGING OPAQUE DOOR ASSEMBLIES/CLIMATE ZONE-4 (0.31, U-VALUE ASSEMBLY W/ GLAZING SHGC 0.25 RATING)
- 13 DENOTES NEW BRICK MASONRY (SOLDIER) COURSING.
NOTE:
SOLDIER COURSE TO BE CONSTRUCTED UTILIZING PREVIOUSLY CLEANED SOLDIER COURSE MASONRY
- 14 DENOTES NEW BRICK MASONRY (ROULOCK) COURSING.
NOTE:
ROULOCK COURSE TO BE CONSTRUCTED UTILIZING PREVIOUSLY CLEANED SOLDIER COURSE MASONRY
- 15 DENOTES NEW NEW PREFINISHED METAL (COLOR TO BE SELECTED) INSULATED FIXED GLASS/AIING WINDOW UNIT (EQUIVALENT TO HOPE WINDOWS 4 DOORS "LANDMARK 115" SERIES W/ 1" THICK LOW-E INSULATED GLASS UNITS - SEE WINDOW DETAILS ON DRAWING *A6.1
NOTE:
WINDOW UNITS TO BE IN ACCORDANCE W/ NCECC TABLE 5022 (1) BUILDING ENVELOPE REQUIREMENTS (0.34, U-VALUE ASSEMBLY W/ GLAZING SHGC 0.22 RATING)
- 16 DENOTES NEW NEW PREFINISHED METAL (COLOR TO BE SELECTED) INSULATED GLASS/AIING WINDOW UNIT (EQUIVALENT TO HOPE WINDOWS 4 DOORS "LANDMARK 115" SERIES W/ 1" THICK LOW-E INSULATED GLASS UNITS - SEE WINDOW DETAILS ON DRAWING *A6.1
NOTE:
WINDOW UNITS TO BE IN ACCORDANCE W/ NCECC TABLE 5022 (1) BUILDING ENVELOPE REQUIREMENTS (0.34, U-VALUE ASSEMBLY W/ GLAZING SHGC 0.22 RATING)
- 17 DENOTES AREA OF NEW BRICK MASONRY EXTERIOR/INTERIOR WALL (RUNNING BOND COURSING) PATCHING NOTES:
1. MASONRY COURSING TO BE CONSTRUCTED UTILIZING PREVIOUSLY CLEANED BRICK MASONRY
2. EXISTING BRICK MASONRY TO BE REPLACED IN "TOOTH-BOND" PATTERN
- 18 DENOTES NEW PREFINISHED METAL (ALUMINUM - COLOR TO BE SELECTED) 3'-0"x6'-5"x4" (VERIFY EXISTING OPENING AT TOILET EXHAUST LOUVER OPENING) FIXED BLADE MECHANICAL LOUVER (EQUIVALENT TO RUSKIN MODEL "ELF445DX" WITH BIRD SCREEN, SILL EXTENSION, AND CONT. 3x3x3/8" ANCHORAGE ANGLE W/ 3/8" DIA. EPOXY ANCHORS INTO EXISTING EXTERIOR WALL AND 3/8" DIA. ANCHORS INTO LOUVER 2'-8" O.C. ON INTERIOR SIDE OF LOUVER - LOUVER/BLADES TO BE CONT. WITH CONCEALED VERTICAL REINFORCING AS NEEDED TO MEET THE WIND LOADS BY GENERAL CONTRACTOR
- 19 DENOTES NEW MECHANICAL UNITS FURNISHED AND INSTALLED BY MECHANICAL SUBCONTRACTOR - COORDINATE WITH MECHANICAL DRAWINGS AND SUBCONTRACTOR
- 20 DENOTES NEW EXTERIOR EXISTING BRICK MASONRY WATER-REPELLANT COATING ON ENTIRE BUILDING
- 21 DENOTES NEW ELECTRICAL SERVICE EQUIPMENT BY ELECTRICAL SUBCONTRACTOR - COORDINATE WITH ELECTRICAL DRAWINGS AND SUBCONTRACTOR
- 22 DENOTES NEW PERIMETER PREFINISHED (BLACK) METAL FENCE/POST (EQUIVALENT TO AMERISTAR "MONTAGE-PLUS" STEEL PANEL (TYPICAL) - SEE DETAIL 3/A3.2 AND CIVIL DRAWINGS FOR LOCATION/HEIGHT



For each open utility cut of City streets, a \$825 permit shall be required from the City prior to occupancy and/or project acceptance.

Approved Const. Plan
Name: [Signature] Date: 4-18-18
Planning: [Signature] 4-18-18
Public Utilities: [Signature] 4-18-18
Traffic: [Signature] 4-18-18
Fire: [Signature] 4-18-18



CFPTA 3RD STREET TRANSIT STATION - 520 N. 3RD STREET - WILMINGTON, NORTH CAROLINA

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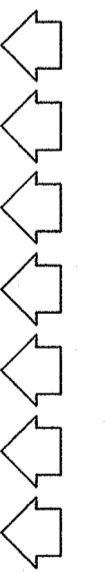


PROJECT ARCHITECT
JOHN W. FARABOW, JR. AIA
PROJECT MANAGER
GEORGE GALLOP
CHECKED BY
JOHN W. FARABOW, JR. AIA
DRAWN BY
GEORGE GALLOP

ISSUE DATE

4/12/2017	PRELIMINARY DESIGN/APPROVAL
6/12/2017	CITY/TRC SUBMITTAL
6/12/2017	30% PERMIT/CONSTRUCTION SET
7/26/2017	TRC 1ST REVIEW RE-SUBMITTAL
8/7/2017	95% REVIEW SET
1/8/2018	PERMIT/CONSTRUCTION SET
4/18/2018	TRC FINAL REVIEW

REVISIONS



PROJECT NUMBER
186716.03
DRAWING NUMBER
**BLDG. ELEVATIONS
EXISTING/NEW
CONSTRUCTION**

A3.2