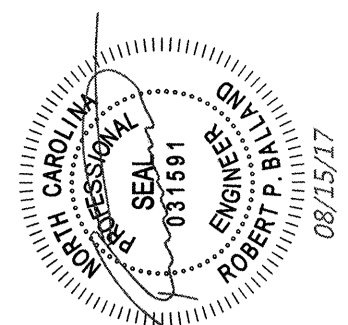


CARMAX AUTO SUPERSTORE

6030 MARKET STREET

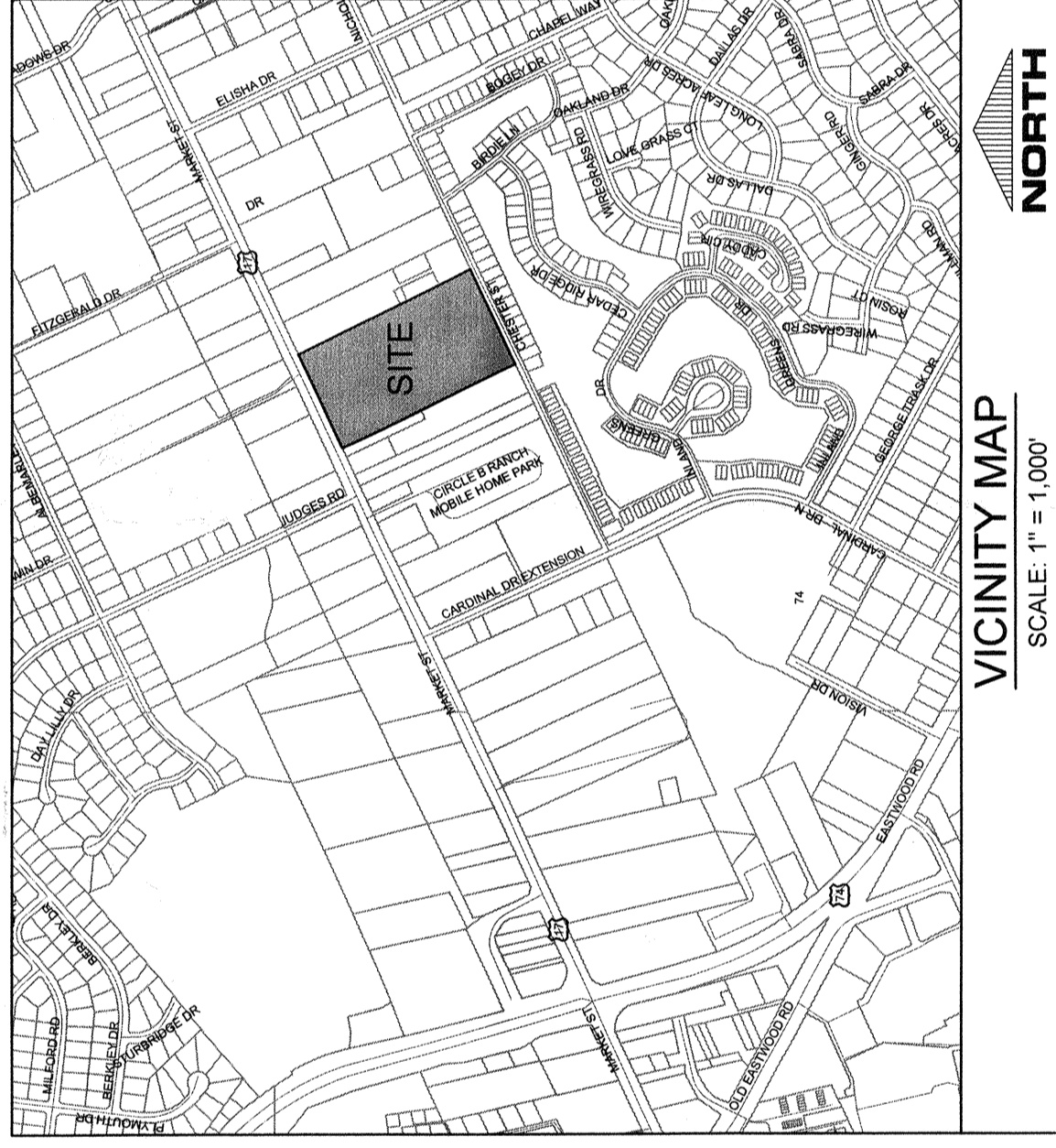
WILMINGTON, NORTH CAROLINA

SFS/A
 SVC/FQC
 100%
 DISTRIBUTION



JUNE 2017

PROJECT ADDRESS:
 6030 MARKET STREET
 Wilmington, NC 28403



OWNER:
 CARMAX AUTO SUPERSTORE, INC.
 12800 TUCKAHOE CREEK PARKWAY
 WILMINGTON, NC 28403
 ATTN: DAN BICKETT (910) 938-4547
 Dan_Bickett@carmax.com

CIVIL ENGINEERS, LAND PLANNERS & LANDSCAPE ARCHITECTS:
 PARAMOUNT ENGINEERING, INC.
 122 CINEMA DRIVE
 WILMINGTON, NORTH CAROLINA 28403
 ATTN: ROB BALLANT (910) 791-8707
 robballant@paramount-eng.com

SHEET NUMBER	SHEET TITLE
C-0.0	COVER SHEET
C-1.0	GENERAL NOTES
C-2.0	DEMOLITION PLAN
C-2.1	SITE PLAN
C-2.2	SITE INVENTORY MAP
C-2.3	TREE REMOVAL PLAN
C-3.0	GRADING AND DRAINAGE PH I
C-3.1	GRADING AND DRAINAGE PH II
C-4.0	UTILITY PLAN
C-5.0 - C-5.8	DETAILS
L-1.0	LANDSCAPE PLAN

NOTICE REQUIRED
 1-800-632-4949

ALL EXISTING UNDERGROUND UTILITIES SHALL BE PHYSICALLY LOCATED PRIOR TO THE BEGINNING OF ANY CONSTRUCTION IN THE VICINITY OF SAID UTILITIES.

CONTRACTORS SHALL NOTIFY OPERATORS WHO MAINTAIN UNDERGROUND UTILITY LINES IN THE AREA OF PROPOSED EXCAVATION AT LEAST TWO WORKING DAYS, BUT NOT MORE THAN TEN WORKING DAYS PRIOR TO COMMENCEMENT OF EXCAVATION OR DEMOLITION.

- CONTACT "CAROLINA ONE CALL" AT
 1-800-632-4949
- CONTACT THESE UTILITIES
- CITY OF WILMINGTON, DEVELOPMENT SERVICES
 ATTN: ERYN MULLER
 PH: 910-331-4665
 - CAPE FEAR PUBLIC UTILITY AUTHORITY (WATER & SEWER)
 ATTN: WALTER THIBETT
 PH: 910-332-6415
 - DUKE ENERGY PROGRESS
 ATTN: KEVIN LEATHERWOOD
 PH: 910-666-4264
 - AT&T
 ATTN: STEVE BAWWALT
 PH: 910-691-0111
 - TIME WARNER CABLE
 PH: 910-763-4838
 - EMERGENCY DIAL 911
 POLICE - FIRE - RESCUE

RELEASED FOR CONSTRUCTION
 LATEST DATE: DA17-004/ PCT-006

DRAWN BY: RPB
 CHECKED BY: RPB

REVISIONS	REV#	DATE	DESCRIPTION	BY
	07	MAR 17	CHECKPOINT #1	
	11	APR 17	CHECKPOINT #2	
	22	APR 17	100% DISTRIBUTION	
	05	JUNE 17	CFUA COMMENTS	

CARMAX
 THE AUTO SUPERSTORE
 STORE NUMBER 6022
 6030 MARKET STREET
 WILMINGTON, NC 28405

PROJECT NO.: 20-15081.02
 DATE: 25 APR 17
 SHEET TITLE: COVER SHEET
 SHEET NO.: C-0.0

RECEIVED
 AUG 16 2017
 PLANNING DIVISION



For each open utility, cut of City streets a \$250 cut shall be required from the City prior to occupancy and/or project acceptance.

INCREASE PAVES WATER PERMIT # _____
 WATER CAPACITY: _____ GPD
 DWQ SEWER PERMIT # _____
 SEWER CAPACITY: _____ GPD
 SEWER SHED # AND PLANT: _____
 SEWER TO FLOW THROUGH NEI: YES or NO (CIRCLE ONE)

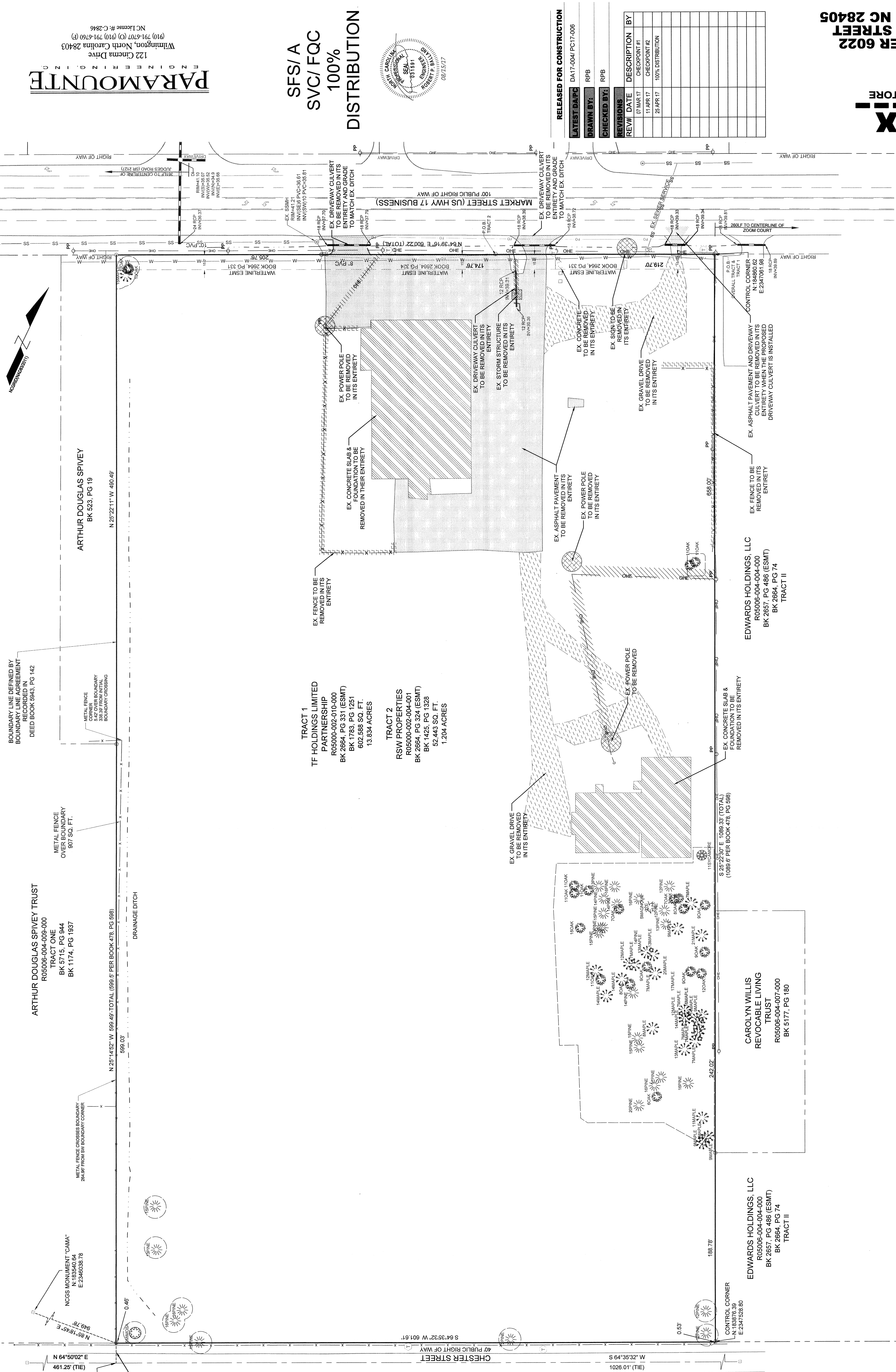
CITY OF WILMINGTON
 PUBLIC SERVICES • ENGINEERING DIVISION
 APPROVED STORMWATER MANAGEMENT PLAN
 Date: 8/17/17
 Signed: [Signature]
 Approved Construction Plan
 Date: 8/17/17
 Signed: [Signature]



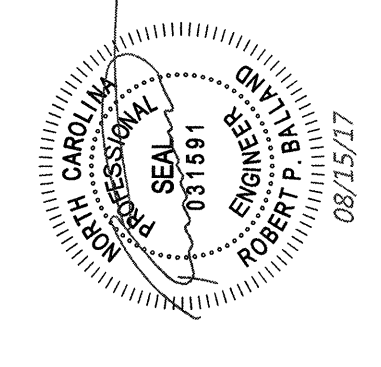
VICINITY MAP
SCALE: 1" = 1,000'

- DEMOLITION NOTES:**
- 1) CONTRACTOR SHALL REFER TO SHEET C-1.0 GENERAL NOTES FOR DEMOLITION NOTES
 - 2) CONTRACTOR SHALL REFER TO THE LANDSCAPE PLANS FOR SPECIFIC TREE REMOVAL
 - 3) CONTRACTOR SHALL MAKE NO PAVEMENT CUTS INTO MARKET STREET WITHOUT THE WRITTEN PERMISSION OF NCDOT.
 - 4) ALL UTILITIES SHALL BE ABANDONED AND/OR DEMOLISHED AND CAPPED PROPERLY IN ACCORDANCE WITH THE UTILITY OWNERS RULES AND REGULATIONS.
 - 5) CONTRACTOR SHALL COORDINATE WITH ELECTRIC UTILITY OWNER/PROVIDER FOR DEMOLITION.

SYMBOLS LEGEND	
REFERS TO SHEET FOR EXISTING CONDITION SYMBOLS LEGEND	
	EXISTING ASPHALT TO BE REMOVED
	EXISTING CONC CURB TO BE REMOVED
	EXISTING CONCRETE TO BE REMOVED
	EXISTING GRAVEL TO BE REMOVED
	EXISTING UTILITY LINE TO BE REMOVED
	EXISTING STORM SEWER LINE TO BE REMOVED
	EXISTING STORM STRUCTURE TO BE REMOVED
	EXISTING SIGN/LIGHT/UTILITY POLE TO BE REMOVED
	EXISTING FENCE TO BE REMOVED
	TREE PROTECTION FENCINGS



**SFS/A
SVC/ FQC
100%
DISTRIBUTION**



PARAMOUNT ENGINEERING, INC.
1222 Chertona Drive
Wilmington, North Carolina 28403
(910) 791-6707 (F) (910) 791-6760 (P)
NC License # C-2846

RELEASED FOR CONSTRUCTION
DATE: 04/25/17

REV#	DATE	DESCRIPTION	BY
07	MAR 17	CHECKPOINT #1	RPB
11	MAR 17	CHECKPOINT #2	RPB
25	APR 17	100% DISTRIBUTION	RPB

DRAWN BY: RPB
CHECKED BY: RPB

CARMAX
THE AUTO SUPERSTORE
6030 MARKET STREET
WILMINGTON, NC 28405

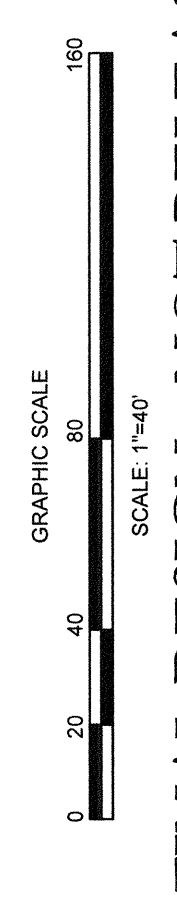
PROJECT NO.	20-15081.02
DATE	25 APR 17
SHEET TITLE	DEMOLITION PLAN

811
Know what's below.
Call before you dig.

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

NC DENR FWSS WATER PERMIT # _____
WATER CAPACITY _____ GPD
DWQ SEWER PERMIT # _____
SEWER CAPACITY _____ GPD
SEWER SHEET # AND PLANT _____ YES or NO (CIRCLE ONE)
SEWER TO FLOW THROUGH NEI _____

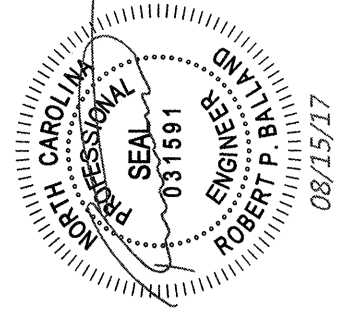
CITY OF WILMINGTON
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN
Date: 8/17/17
Signed: [Signature]
Approved Construction Plan
Name: [Name]
Date: 8/17/17
Planning: [Signature]
Traffic: [Signature]
Fire: [Signature]



FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

SHEET NO. C-2.0

**SFS/A
SVC/FQC
100%
DISTRIBUTION**



RELEASED FOR CONSTRUCTION
LATEST DAMP DAT17-004W PCT17-006

REV#	DATE	DESCRIPTION	BY
07	MAR 17	CHECKPOINT #1	RFB
11	APR 17	CHECKPOINT #2	RFB
25	APR 17	100% DISTRIBUTION	RFB

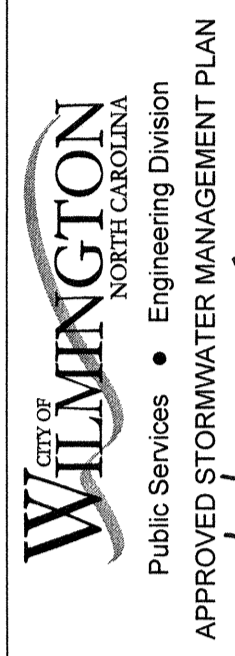
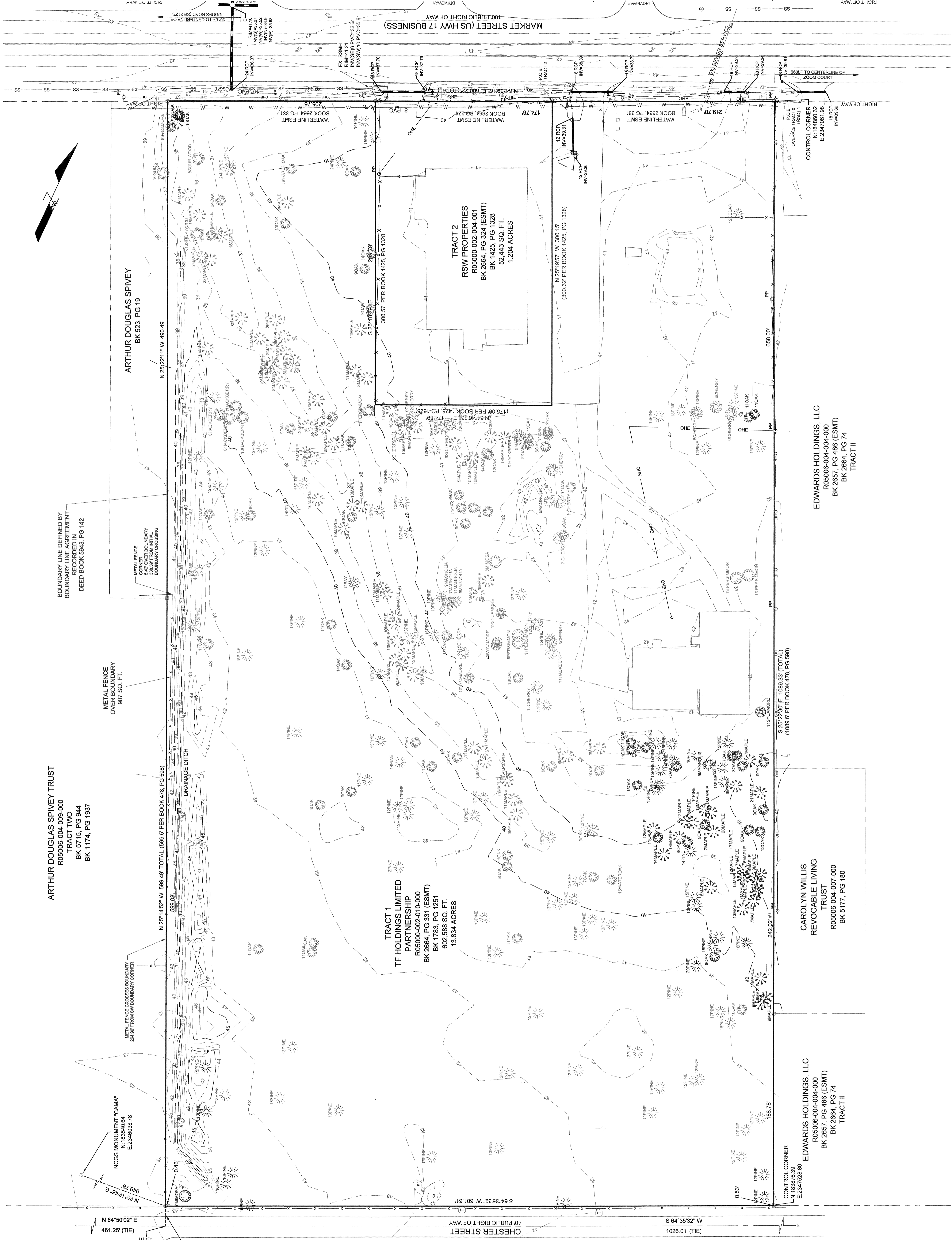
THE AUTO SUPERSTORE
CARMAX
STORE NUMBER 6022
6030 MARKET STREET
WILMINGTON, NC 28405

PROJECT NO. 20-15081.02
DATE 25 APR 17

SHEET TITLE SITE INVENTORY MAP

SHEET NO. C-2.2

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

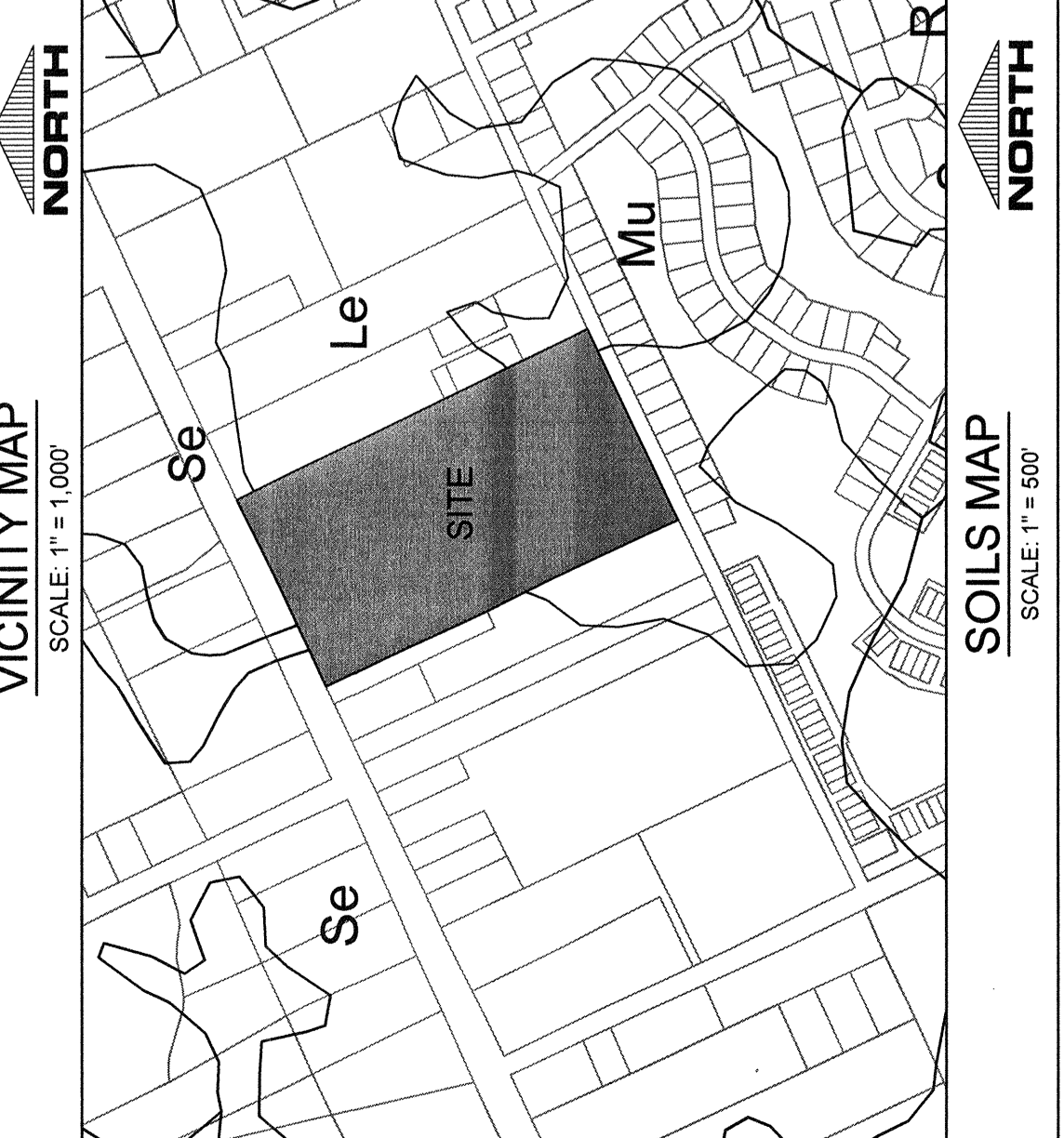
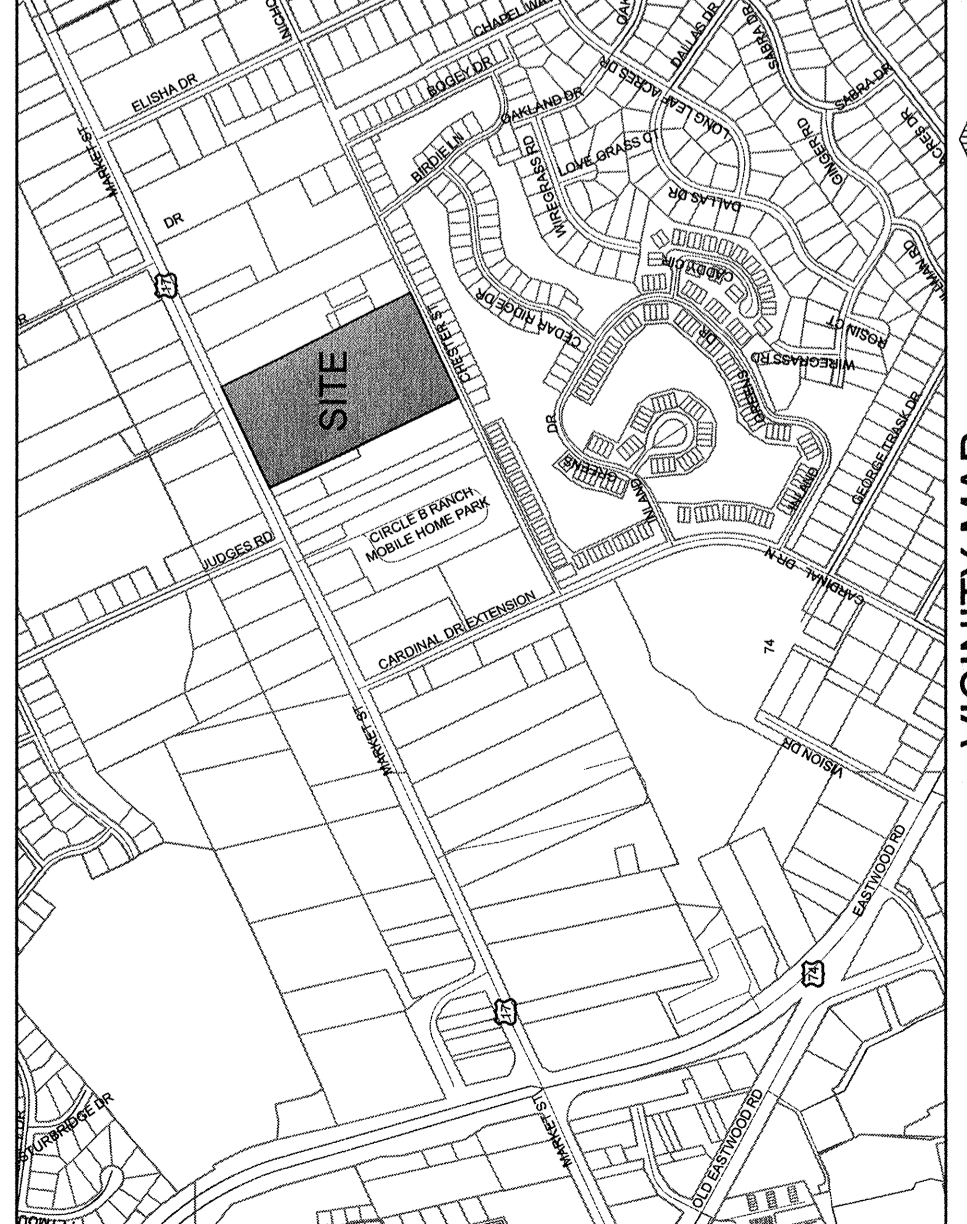
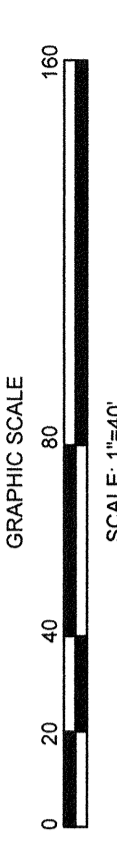


811
Know what's below.
Call before you dig.

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

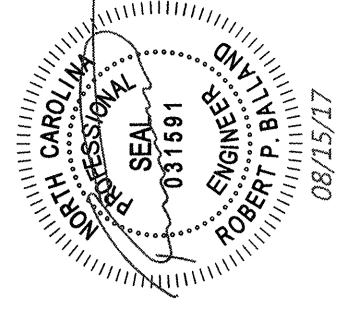
INCIDENT #	WATER PERMIT #	WATER CAPACITY	GPD
DWG PERMIT #	SEWER PERMIT #	SEWER CAPACITY	GPD
SEWER TO FLOW THROUGH/NEI YES or NO (CIRCLE ONE)			

Approved Construction Plan
Name: [Signature]
Date: 8-17-17
Permitting: [Signature]
Traffic: [Signature]
File: [Signature]



NO.	DESCRIPTION	ANSWER
1.	PREPARED BY THE PLAN	PARAMOUNT ENGINEERING 122 CINEMA DRIVE WILMINGTON, NC 28403
2.	APPLICANT NAME	CARMAX AUTO SUPERSTORES, INC. 12800 TUCKAHOE CREEK PARKWAY RICHMOND, VA 23238
3.	SITE ADDRESS	6030 MARKET STREET WILMINGTON, NC 28403
4.	PROPERTY OWNER	TF HOLDINGS LIMITED PARTNERSHIP RSW PROPERTIES (TRACT 2)
5.	DEVELOPER	SAME AS APPLICANT
6.	PROPERTY BOUNDARY	SEE PLAN
7.	ZONING	RB - REGIONAL BUSINESS
8.	ADJACENT PROPERTY INFORMATION (OWNER AND ZONING)	SEE PLAN
9.	VICINITY MAP	SEE MAP ABOVE
10.	TOPOGRAPHY	SEE PLAN
11.	100 YEAR FLOOD PLAIN BOUNDARY	SITE IS NOT LOCATED IN THE 100 YEAR FLOOD PLAIN
12.	LOCATION OF EXISTING DITCHES, CREEKS, AND STREAMS	SEE PLAN
13.	SOILS	MARVILLE (MU) LEON LAR SEAGATE (Ss) (SEE SOILS MAP ABOVE)
14.	CAMA AEG & ASSOCIATED SETBACKS	N/A
15.	CAMA LAND CLASSIFICATION	URBAN
16.	CONSERVATION RESOURCES	N/A
17.	LOCAL STATE OR FEDERAL HISTORIC OR ARCHAEOLOGICAL SITE	N/A
18.	LOCATION OF CEMETERIES, BURIAL SITES, OR BURIAL GROUNDS	N/A
19.	SQUARE FOOTAGE OF FORESTED AREA, HABITAT, AND DOMINANT SPECIES	N/A
20.	SECTION 404 WETLANDS AND SECTION 10 WATERS	N/A
21.	PROTECTED SPECIES OR HABITAT	N/A
22.	THOROUGHFARES BIKE ROUTES, SIDEWALKS, TRANSIT FACILITIES (EXISTING OR PROPOSED)	SEE PLAN & VICINITY MAP

**SFS/A
 SVC/ FQC
 100%
 DISTRIBUTION**



RELEASED FOR CONSTRUCTION
 LATEST DATE/PCP: DA17-004/ PC17-006

REV#	DATE	DESCRIPTION	BY
07	MAR 17	CHECKPOINT #1	
11	MAR 17	CHECKPOINT #2	
26	APR 17	100% DISTRIBUTION	

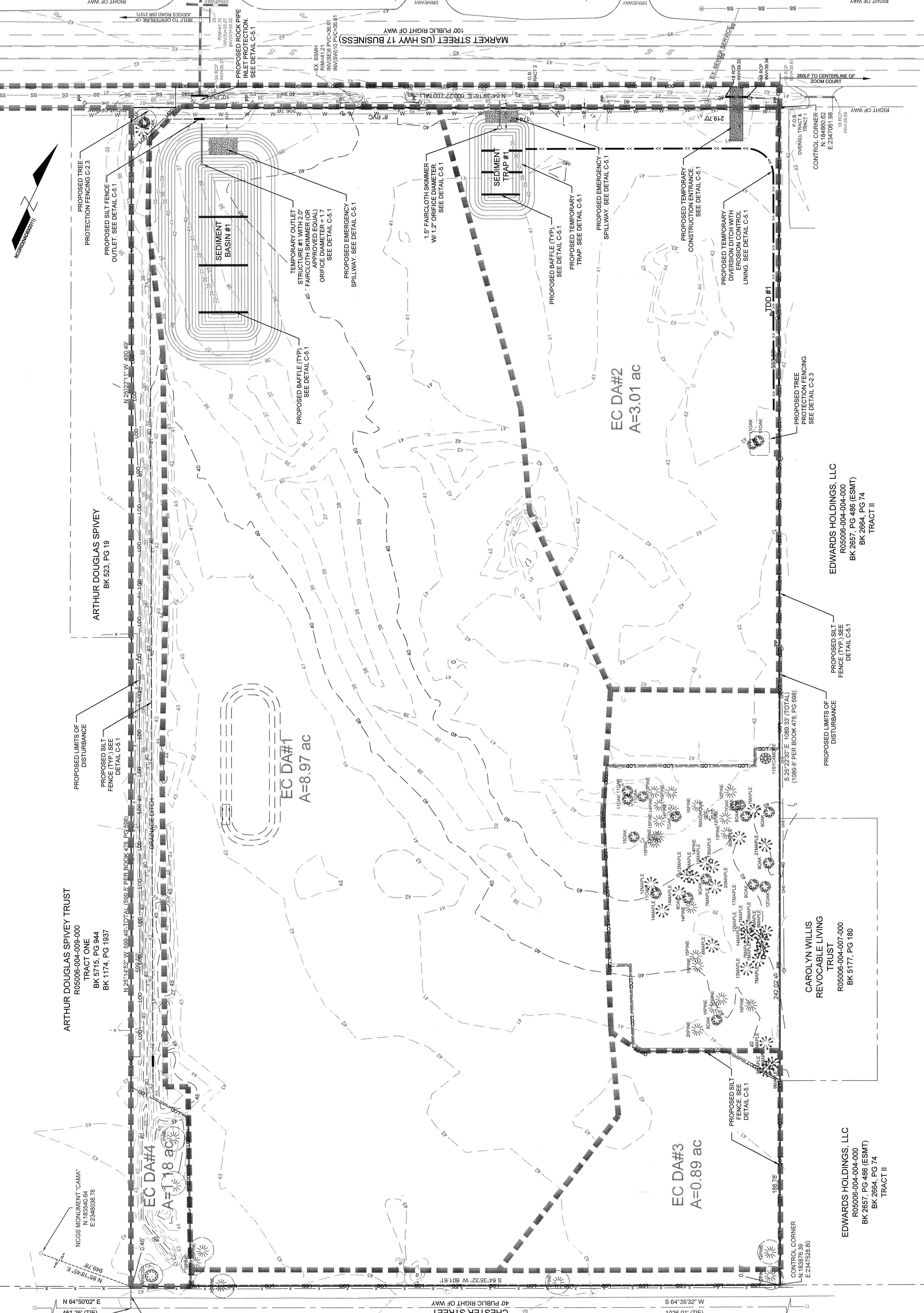
DRAWN BY: RPB
CHECKED BY: RPB

CARMAX
 THE AUTO SUPERSTORE
 6030 MARKET STREET
 WILMINGTON, NC 28405

PROJECT NO.	20-15081.02
DATE	25 APR 17
SHEET TITLE	PH. I EC PLAN

SHEET NO. C-3.0

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION



For each open utility cut of City streets, a \$325 permit shall be required from the City of Wilmington for the use of any and/or project acceptance.

NC DENR PWSS WATER PERMIT # _____
 WATER CAPACITY _____ GPD
 DWQ SEWER PERMIT # _____
 SEWER CAPACITY _____ GPD
 SEWER TO FLOW THROUGHLINE YES () NO () (CIRCLE ONE)

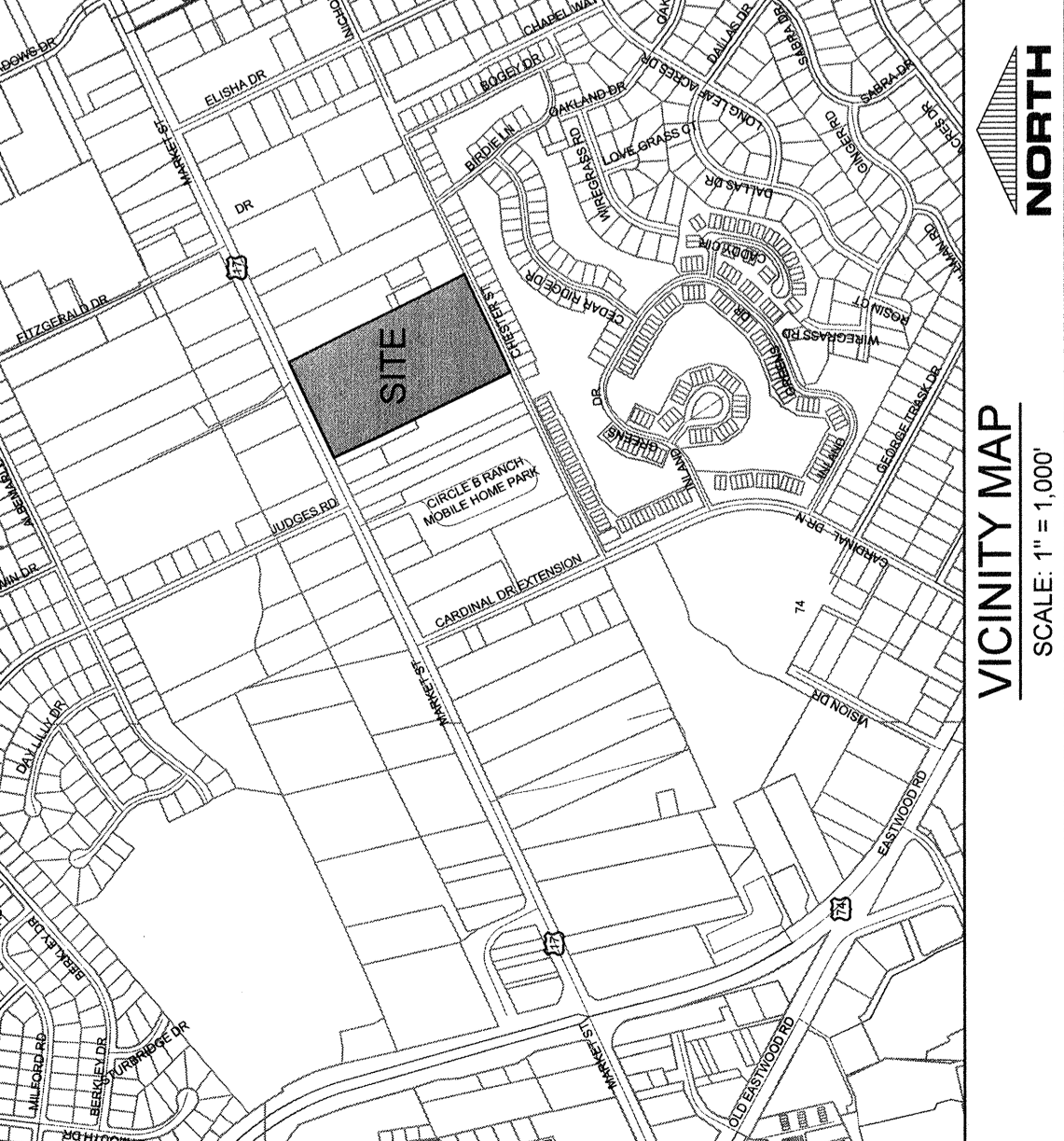
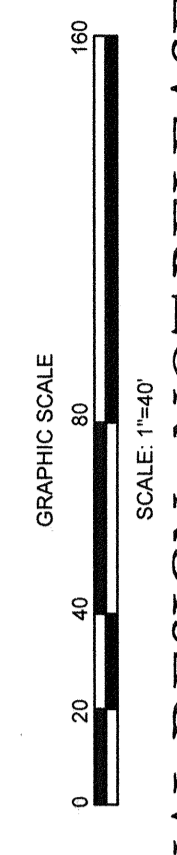
CITY OF WILMINGTON
 Public Services • Engineering Division
 APPROVED STORMWATER MANAGEMENT PLAN
 Date: 8/17/17
 Approved Construction Plan
 Name: [Signature]
 Date: 8-17-17
 Planning: [Signature]
 Traffic: [Signature]
 File: [Signature]

NOTATION:

- CI = CURB INLET
- C = CLEANOUT
- CO = CLEANOUT
- DDI = DOUBLE DROP INLET
- DI = DRAINAGE INLET
- RD = ROAD DRAINAGE INLET
- FFE = FINISHED FLOOR ELEVATION
- BPE = BUILDING PAD ELEVATION

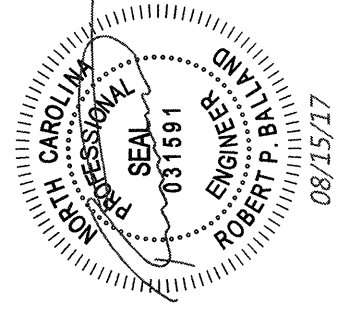
LEGEND:

- - - - - EXISTING CONTOUR
- - - - - PROPOSED CONTOUR
- INLET PROTECTION
- LIMITS OF DISTURBANCE
- SILT FENCE
- TREE PROTECTION FENCING
- ROCK INLET PROTECTION



- ASPHALT AREA NOTE**
- SITE CONTRACTOR SHALL STRIP TOPSOIL AND ANY UNSUITABLE MATERIAL AND PROVIDE CUT/FILL OPERATIONS TO PROVIDE A COMPACTED CONTROLLED SUBGRADE. IN ACCORDANCE WITH THE SUBSURFACE GEOTECHNICAL EXPLORATION AND TECHNICAL SPECIFICATIONS.
- BUILDING PAD NOTE**
- SITE CONTRACTOR SHALL STRIP TOPSOIL AND ANY UNSUITABLE MATERIAL AND PROVIDE CUT/FILL OPERATIONS TO PROVIDE A COMPACTED CONTROLLED BUILDING PAD. IN ACCORDANCE WITH THE SUBSURFACE GEOTECHNICAL EXPLORATION AND TECHNICAL SPECIFICATIONS.
- STORMWATER NOTE:**
- THIS PROJECT DRAINS TO A PROPOSED ON-SITE STORM WET DETENTION BASIN.
 - ONCE SITE IS STABILIZED AND SEDIMENT BASIN IS CONVERTED TO WET DETENTION BASIN, CONTRACTOR SHALL REMOVE ALL SEDIMENT FROM BASIN AND RESTORE TO DESIGN ELEVATIONS.
- GENERAL NOTES:**
- ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL STATE OF NC, CITY OF WILMINGTON, AND NEW HANOVER COUNTY STANDARDS AND SPECIFICATIONS.
 - THE CONTRACTOR SHALL PLACE INLET PROTECTION AROUND ALL STORM DRAIN INLETS TO PROTECT THE SYSTEM FROM COLLECTING SEDIMENTATION DURING CONSTRUCTION. INLET PROTECTION SHALL REMAIN IN PLACE UNTIL THE PARKING LOT IS PAVED.
 - CONTRACTOR SHALL ADJUST ALL FRAMES OF EX. UTILITY INFRASTRUCTURE WITHIN ASPHALT OVERLAY AND NEW ASPHALT AREAS TO MATCH PROPOSED GRADES.
 - ALL PROPOSED SPOT ELEVATIONS SHOWN IN THE PARKING LOT ARE PROPOSED EDGE OF PAVEMENT OR FACE OF CURB @ CUTTER FOR CURB SECTIONS, UNLESS NOTED OTHERWISE.
 - ALL ROOF DRAINS SHALL BE DIRECTED TOWARDS ON-SITE COLLECTION SYSTEM. NO ROOF DRAINS SHALL BE DIRECTED OFF-SITE WITHOUT ENTERING THE ON-SITE COLLECTION FIRST.
 - ALL SIDEWALK CROSS SLOPES HAVE BEEN GRADER TO MEET ADA REGULATIONS. CONTRACTOR SHALL CONFIRM GRADES BEFORE PAVING SIDEWALKS OR SIDEWALKS AND REPORT ANY DISCREPANCIES TO OWNER AND/OR ENGINEER.
 - THE CONTRACTOR SHALL USE EITHER RPP CL III OR HOPE HOPE FOR THE STORM DRAINAGE SYSTEM. IF THE CONTRACTOR CHOOSES TO USE HOPE PIPE, IT SHALL BE MANUFACTURER SPECIFICATIONS. IN ADDITION, THE CONTRACTOR SHALL BE SURE TO PROVIDE CONCRETE COLLARS AROUND EACH 4" E.S. TO PREVENT FLOATION IF HOPE PIPE IS CHOSEN.
 - CONTRACTOR SHALL REFER TO THE GEOTECHNICAL ENGINEERING REPORT FOR CARMAX WILMINGTON, NC (DAPE FERRY) PREPARED BY SCS ENGINEERING, INC. DATED AUGUST 29, 2015 FOR SITE CONSTRUCTION RECOMMENDATIONS.
 - CONTRACTOR SHALL STAKE SILT FENCE ALONG LIMITS OF DISTURBANCE LINE. THE SILT FENCE LINE TYPE IS SHOWN ON THE DRAWINGS FOR CLARITY.

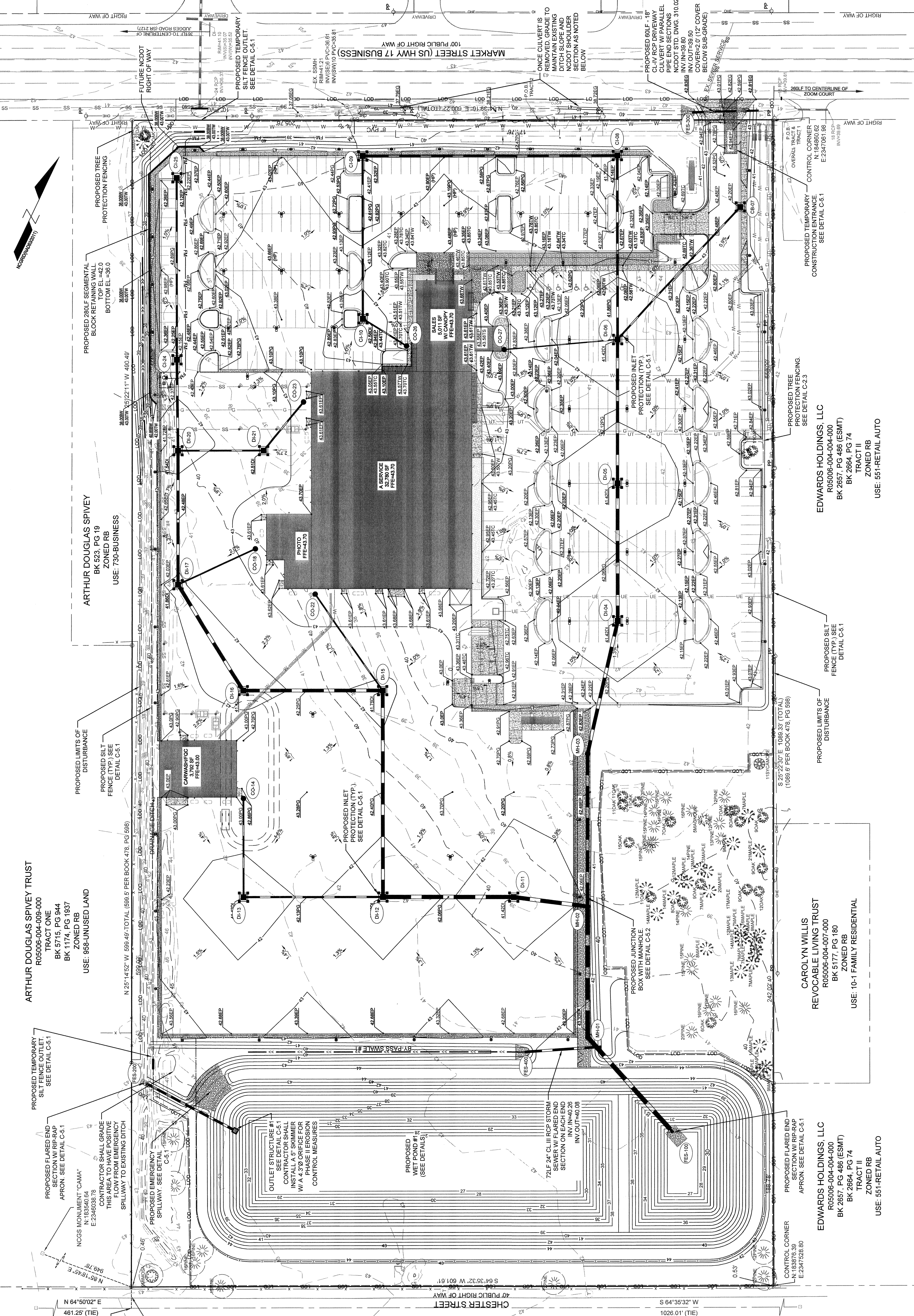
**SFS/A
SVC/ FQC
100%
DISTRIBUTION**



RELEASED FOR CONSTRUCTION			
DATE: DA17-004/FC17-006	R/P		
DRAWN BY: RPB	R/P		
CHECKED BY: RPB			
REV#	DATE	DESCRIPTION	BY
01	07 MAR 17	CHECKPOINT #1	
02	11 APR 17	CHECKPOINT #2	
03	25 APR 17	100% DISTRIBUTION	

Carmax
THE AUTO SUPERSTORE
6303 MARKET STREET
WILMINGTON, NC 28405

PROJECT NO.	20-15081.02
DATE	25 APR 17
SHEET TITLE	GRADING-DRAINAGE-PH. II EC PLAN
PROJECT NO.	20-15081.02
DATE	25 APR 17
SHEET NO.	C-3.1



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

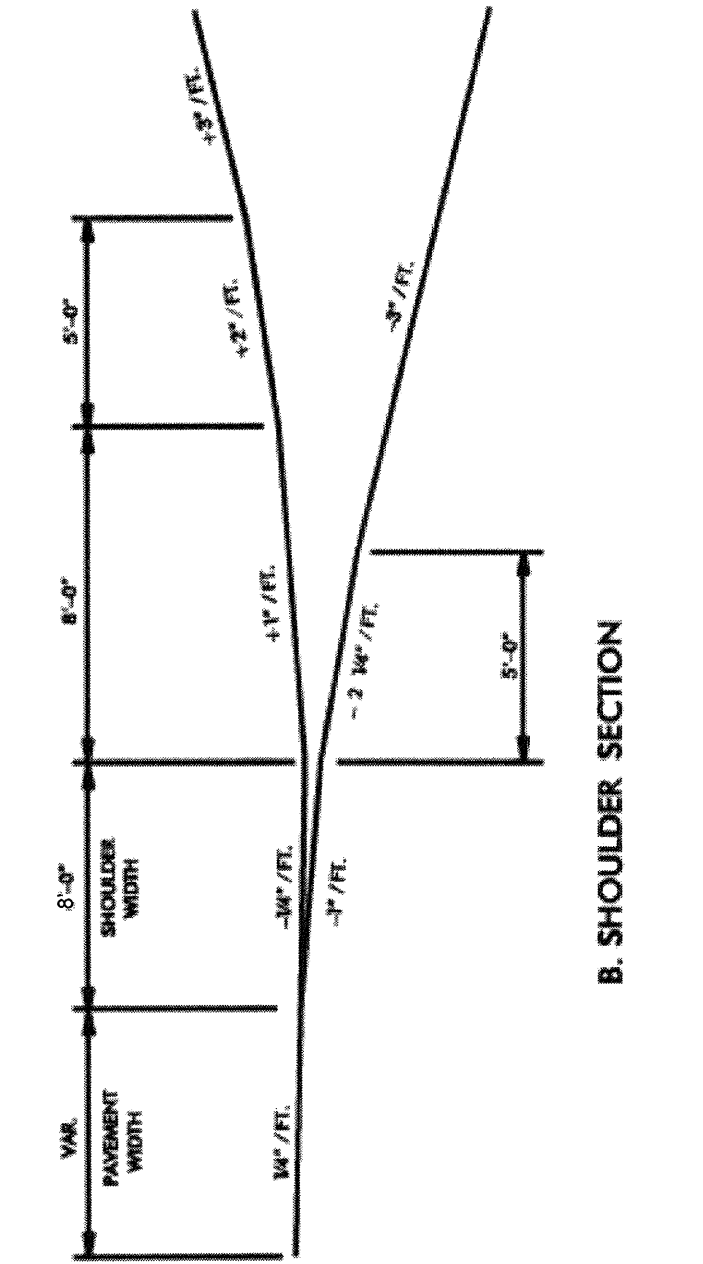
NC DENR PWS WATER PERMIT # _____
WATER CAPACITY _____ GPD
DWO SEWER PERMIT # _____
SEWER CAPACITY _____ GPD
SEWER SHED # AND PLANT _____
SEWER TO FLOW THROUGH NEI: YES or NO (CIRCLE ONE)

APPROVED CONSTRUCTION PLAN

City of WILMINGTON
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN

Date: 8/17/17 Page #: 2 of 35

Approved Construction Plan
Date: 8/17/17
Planning: S. M. ...
Traffic: ...
Fire: ...

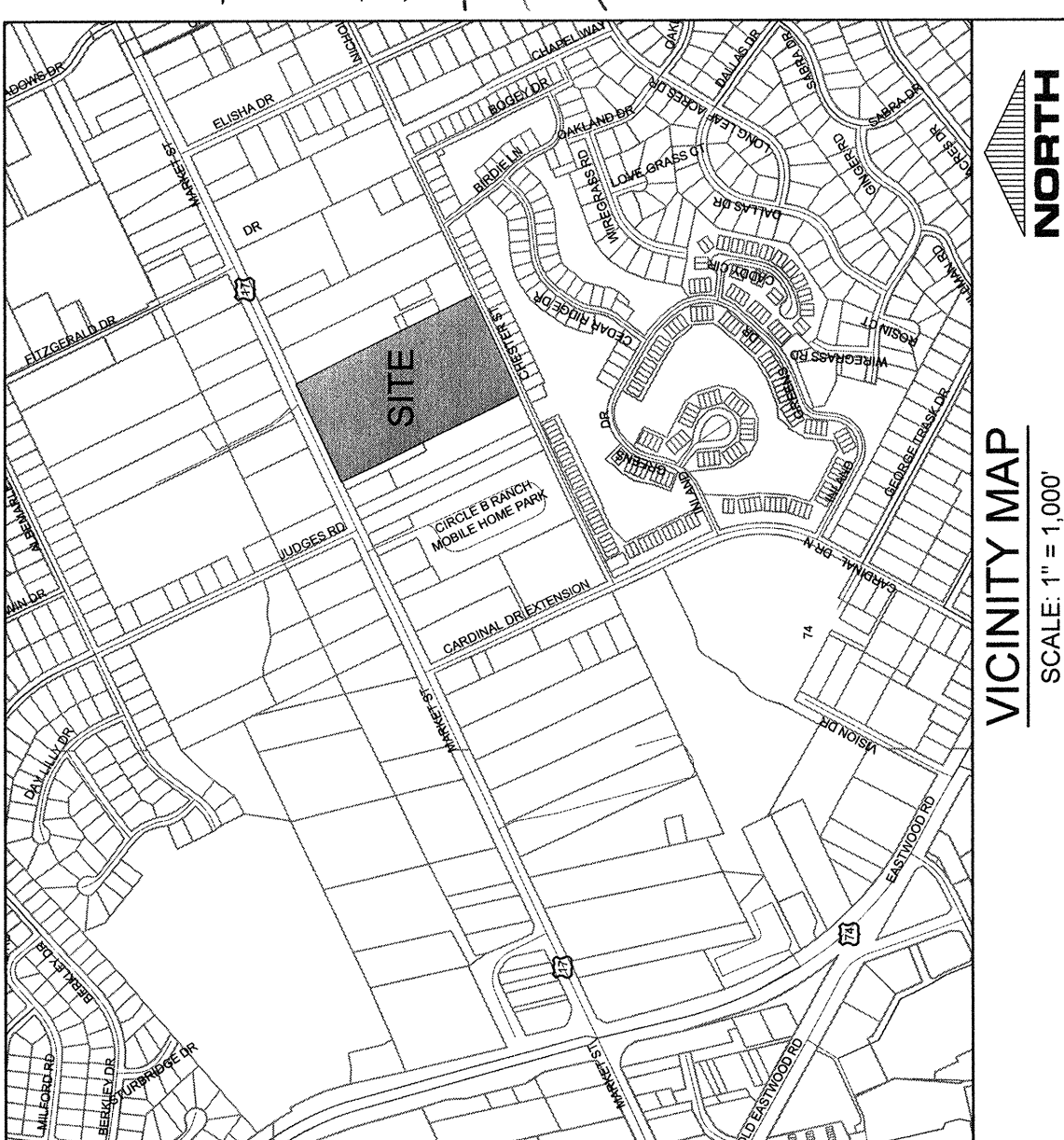


LEGEND:

EXISTING CONTOUR	DI	CURB INLET
PROPOSED CONTOUR	CO	CLEANOUT
EXISTING GRADE SPOT ELEVATION	DI	STORM DRAIN INLET
PROPOSED GRADE SPOT ELEVATION	RD	STORM DRAIN MANHOLE
PROPOSED EDGE OF PAVEMENT	RD	ROOD DRAIN CLEANOUT
PROPOSED SIDEWALK ELEVATION	BPE	FINISHED FLOOR ELEVATION
PROPOSED UTTER FLOW LINE		BUILDING PAD ELEVATION
PROPOSED TOP OF CURB ELEVATION		
INLET PROTECTION		
LIMITS OF DISTURBANCE		
SILT FENCE		
TREE PROTECTION FENCING		
DRAINAGE FLOW PATH		
DRAINAGE INLET LABEL		
SPILL GUTTER		
ROCK INLET PROTECTION		
GEOTECH BORING LOCATION		
DRAINAGE FLOW PATH & SLOPE		

STORM SEWER SCHEDULE:

Node	Downstream Node	Downstream Pipe Diameter	Downstream Pipe Invert (ft)	Downstream Pipe Length (ft)	Pipe Slope (%)	Upstream Rim Elev (ft)	Downstream Rim Elev (ft)	Material
CO-14	D-13	15	33.25	92	0.50	42.90	41.42	CLII RCP
D-13	D-12	18	32.79	32.79	0.50	41.42	41.42	CLII RCP
D-12	D-11	42	32.14	130	0.50	41.42	41.42	CLII RCP
D-11	D-10	42	31.52	122	0.50	41.42	41.42	CLII RCP
MH-02	MH-01	48	31.15	70	0.54	41.42	41.42	CLII RCP
MH-01	D-09	48	30.46	121	0.57	42.15	41.86	CLII RCP
D-09	D-08	48	29.80	80	0.54	41.86	41.86	HDPE
D-08	D-07	36	29.42	32.42	0.50	41.86	41.86	CLII RCP
D-07	D-06	36	28.84	34.25	0.50	41.86	41.42	CLII RCP
D-06	D-05	36	28.25	33.60	0.50	41.42	41.42	CLII RCP
D-05	D-04	15	27.12	36.29	0.75	41.42	41.42	HDPE
CO-23	D-03	15	36.15	110	0.50	42.51	42.51	CLII RCP
D-03	D-02	15	35.86	39.86	0.50	42.51	42.51	CLII RCP
D-02	D-01	12	35.86	85	0.50	42.51	42.51	CLII RCP
CO-26	C-10	12	40.00	48	0.69	43.55	42.86	HDPE
C-10	C-09	18	35.94	35.45	0.32	42.86	42.58	CLII RCP
C-09	C-08	24	34.36	34.36	0.46	42.32	41.79	CLII RCP
C-08	D-06	30	33.77	173	0.34	41.42	41.42	CLII RCP
D-06	D-05	36	33.13	134	0.48	41.42	41.42	CLII RCP
D-05	D-04	36	32.46	128	0.52	41.42	41.42	CLII RCP
D-04	D-03	36	31.82	143	0.47	41.42	41.42	CLII RCP
MH-03	MH-02	36	31.15	163	0.47	42.15	42.15	CLII RCP
MH-02	D-06	8	39.50	107	0.50	43.50	41.42	HDPE
C-07	D-06	15	34.61	41.42	0.50	42.20	41.42	CLII RCP
C-24	C-24	18	36.70	36.16	0.32	42.12	42.12	CLII RCP
C-24	C-24	24	35.46	85	0.83	41.54	41.54	CLII RCP

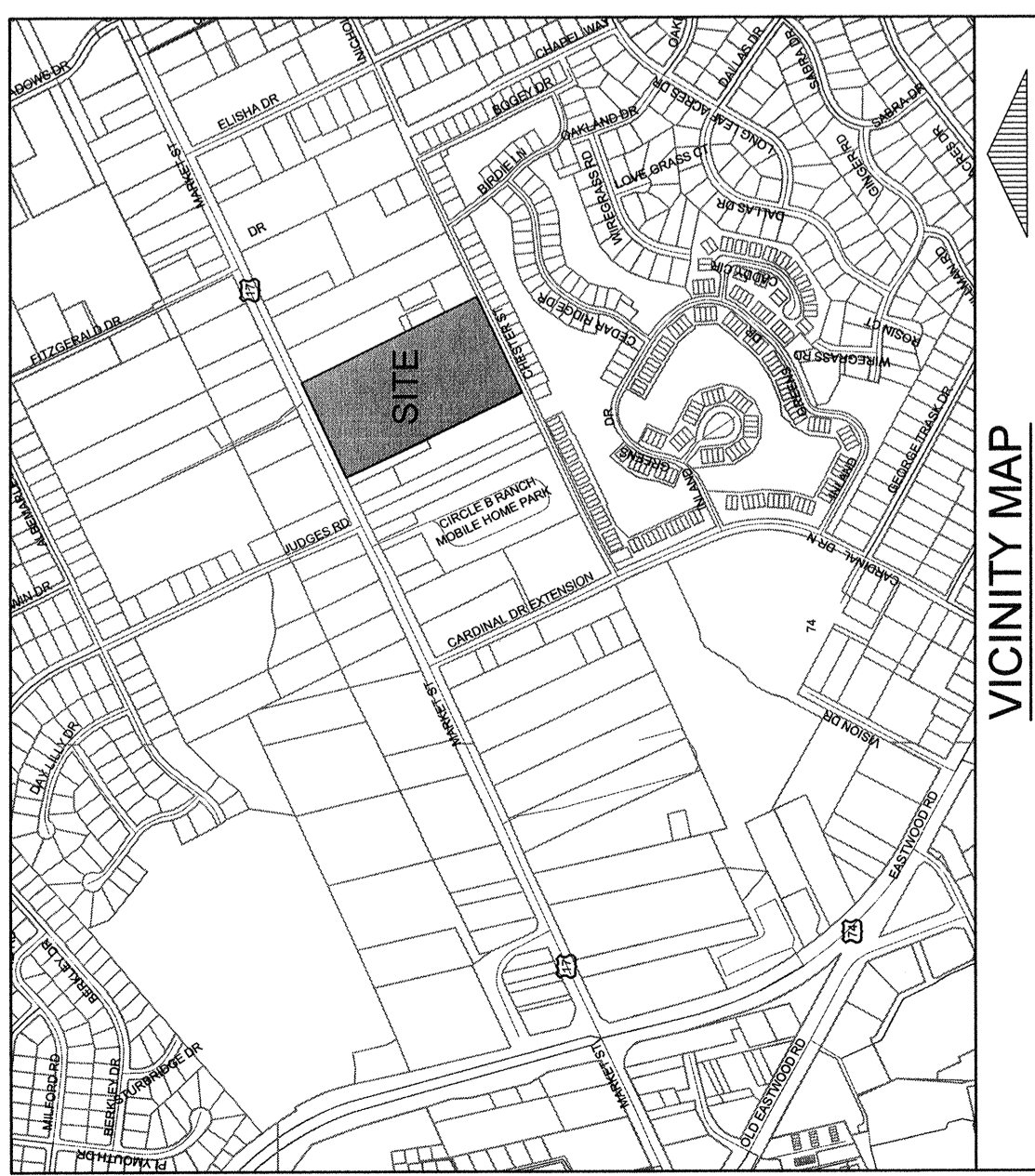


ASPHALT AREA NOTE:
1. THE CONTRACTOR SHALL STRIP TOPSOIL AND ANY UNSUITABLE MATERIAL AND PROVIDE CUTOFF OPERATIONS TO PROVIDE A COMPACTED CONTROLLED SUBGRADE IN ACCORDANCE WITH THE SUBSURFACE GEOTECHNICAL EXPLORATION AND TECHNICAL SPECIFICATIONS.

BUILDING PAD NOTE:
1. THE CONTRACTOR SHALL STRIP TOPSOIL AND ANY UNSUITABLE MATERIAL AND PROVIDE CUTOFF OPERATIONS TO PROVIDE A COMPACTED CONTROLLED BUILDING PAD, IN ACCORDANCE WITH STRUCTURAL DRAWINGS.

STORMWATER NOTE:
1. THIS PROJECT DRAINS TO A PROPOSED ON-SITE STORM WET DETENTION BASIN.
2. ONCE SITE IS STABILIZED AND SEDIMENT BASIN IS CONVERTED TO WET DETENTION BASIN, CONTRACTOR SHALL REMOVE ALL SEDIMENT FROM BASIN AND RESTORE TO DESIGN ELEVATIONS.

GENERAL NOTES:
1. THE CONTRACTOR SHALL BE IN ACCORDANCE WITH ALL STATE OF NC, CITY OF WILMINGTON, AND NEW HANOVER COUNTY STANDARDS AND SPECIFICATIONS.
2. THE CONTRACTOR SHALL PLACE INLET PROTECTION AROUND ALL STORM DRAIN INLETS. CONSTRUCTION INLET PROTECTION SHALL REMAIN IN PLACE UNTIL THE PARKING LOT IS PAVED.
3. CONTRACTOR SHALL ADJUST ALL FRAMES OR EX. UTILITY INFRASTRUCTURE WITHIN ASPHALT OVERLAY AND NEW ASPHALT AREAS TO MATCH PROPOSED GRADES.
4. ALL PROPOSED SPOT ELEVATIONS SHOWN IN THE PARKING LOT ARE PROPOSED EDGE ELEVATIONS ON FACE OF CURB @ CUTTER FOR CURB SECTIONS, UNLESS NOTED OTHERWISE.
5. ALL ROOF DRAINS SHALL BE DIRECTED TOWARDS ON-SITE COLLECTION SYSTEM. NO COLLECTION FIRST.
6. ALL SIDEWALK SLOPES HAVE BEEN GRADED TO MEET ADA REGULATIONS. CONTRACTOR SHALL VERIFY SLOPES ON SIDEWALKS AND REPORT ANY DISCREPANCIES TO OWNER AND/OR ENGINEER.
7. THE CONTRACTOR SHALL USE EITHER RCP (CL II) OR HDPE PIPE FOR THE STORM SEWER. IF HDPE PIPE IS USED, IT SHALL BE ADS IN 12" W/ STORM PIPE OR APPROVED EQUAL AND SHALL BE INSTALLED TO MANUFACTURER SPECIFICATIONS. IN ADDITION, THE CONTRACTOR SHALL BE SURE TO PROVIDE CONCRETE COLLARS AROUND EACH F.E.S. TO PREVENT FLOATION IF HDPE PIPE IS CHOSEN.
8. CONTRACTOR SHALL REFER TO THE GEOTECHNICAL ENGINEERING REPORT FOR CARMAX - WILMINGTON, NC (CAPE FEAR), PREPARED BY ECS CAROLINAS, LLP, PROJECT NO. 150081.02, DATED AUGUST 20, 2015 FOR SITE CONSTRUCTION RECOMMENDATIONS.
9. CONTRACTOR SHALL STAKE SILT FENCE ALONG LIMITS OF DISTURBANCE LINE. THE SILT FENCE LINE IS OFFSET ON THE DRAWING FOR CLARITY.



SITE DATA TABULATION

OWNER: CARMAX OF WILMINGTON
PROJECT ADDRESS: WILMINGTON, NC 28403
TAX PARCEL IDENTIFICATION #: R05006-004-000-000 (13.83 AO) - LOT 1
RECORDED DEED BOOK: BK 2864, PG 331 (ESMT) - LOT 1
BK 1783, PG 1251 - LOT 1
BK 2864, PG 331 (ESMT) - LOT 2
BK 2864, PG 331 (ESMT) - LOT 2
15.038 ACRES (655,055 SF)
AUTOMOBILE DEALER - USED

UTILITY INFORMATION
SANITARY SEWER
THIS PROJECT IS PROVIDING A NEW SEWER SERVICE TO AN EXISTING 10-INCH GRAVITY MAIN LOCATED WEST OF MARKET STREET RIGHT OF WAY. THIS PROJECT IS PROPOSING 6-INCH AND 4-INCH SERVICES AND SANITARY SEWER ALLOCATION IS PROVIDED BY CFWPA.

WATER
A 8-INCH WATER MAIN IS LOCATED WITHIN THE SHORT SIDE OF MARKET STREET RIGHT OF WAY. THE PROPOSED BUILDING WILL HAVE A 6-INCH FIRE SERVICE AND A 2-INCH DOMESTIC SERVICE WILL BE CONNECTED TO THE EXISTING 8-INCH WATER MAIN. DOMESTIC WATER ALLOCATION PROVIDED BY CFWPA.

NATURAL GAS
THERE IS AN EXISTING 6" PLASTIC GAS MAIN LOCATED ALONG THE NORTH SIDE OF MARKET STREET EXTENDING FROM THE WEST AND ENDS JUST WEST OF THE SITE AT JUDGES ROAD. GAS IS PROVIDED BY PIEDMONT NATURAL GAS.

FLOOD NOTE
THE SUBJECT PARCEL IS NOT LOCATED WITHIN A 100-YEAR FLOOD ZONE AS INDICATED BY FEMA FLOOD ZONE PANEL 372334880J BEARING AN EFFECTIVE DATE OF APRIL 3, 2006.

- UTILITY NOTES: (NACAC 15A.02T.0305.1715A.18C.0905)**
- NEW HYDRANTS MUST BE AVAILABLE FOR USE PRIOR TO CONSTRUCTION OF THE BUILDINGS WITHIN ANY DEVELOPMENT.
 - HYDRANTS MUST BE LOCATED WITHIN 8' OF THE CURB.
 - CONTRACTOR SHALL MAINTAIN AN ALL-WEATHER ACCESS FOR EMERGENCY VEHICLES TO ALL HYDRANTS. ACCESS SHALL BE MAINTAINED BY INSTALLING THE BASE COURSE OF THE PROPOSED PAVEMENT SECTION.
 - A MINIMUM OF 8" SHALL SEPARATE UNDERGROUND FIRE LINES OR PRIVATE WATER MAINS FROM OTHER UNDERGROUND UTILITIES.
 - UNDERGROUND FIRE LINE & PRIVATE WATER MAINS MUST BE PERMITTED & INSPECTED BY CITY OF WILMINGTON FIRE & LIFE SAFETY SERVICES FROM THE PUBLIC RIGHT-OF-WAY TO THE BUILDING.
 - CONSTRUCTION TYPE - IBS CAR DEALERSHIP BUILDING WILL BE SPRINKLED.
 - ANY FDC MUST BE WITHIN 150' OF A FIRE HYDRANT & WITHIN 40' OF FIRE APPARATUS PLACEMENT.
 - LANDSCAPING OR PARKING CAN NOT BLOCK OR IMPEDE THE FDC OR FIRE HYDRANTS. A 3-FOOT (3') CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF HYDRANTS AND FDC.

CONTRACTOR SHALL MAINTAIN AN ALL-WEATHER ACCESS FOR EMERGENCY VEHICLES TO ALL HYDRANTS. ACCESS SHALL BE MAINTAINED BY INSTALLING THE BASE COURSE OF THE PROPOSED PAVEMENT SECTION.

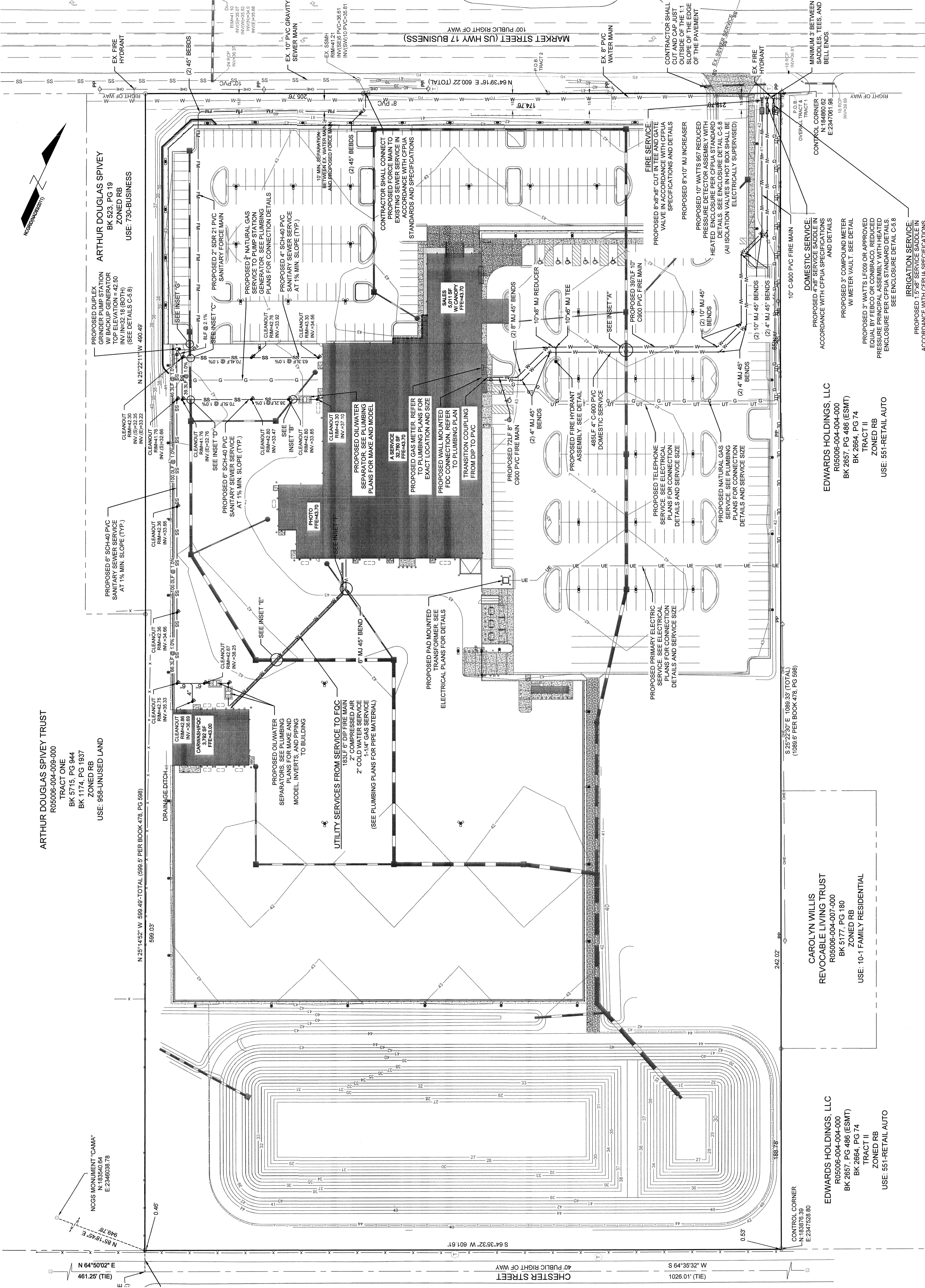
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CARE FEAS PUBLIC UTILITY AUTHORITY (STANDARD SEWER NOTES)

- ALL SANITARY SEWERS SHALL BE CONSTRUCTED WITH 150 LB. PER FOOT STEEL SEWER.
- GUARDS REQUIRED AT MANHOLES LOCATED IN TRAFFIC AREAS.
- WATER AND SEWER SERVICES SHALL BE PERPENDICULAR TO MAIN AND TERMINATE AT ROW LINE. SEWER SERVICES SHALL BE PERPENDICULAR TO MAIN AND TERMINATE AT RIGHT-OF-WAY LINE. ORIGINAL IN END OF LINE MARKING AND TERMINATE AT RIGHT-OF-WAY LINE.
- ALL SERVICES TYPING INTO DUCTILE IRON MAINS SHALL BE CONSTRUCTED OF CLASS 50 DIP WITH PROTECTO-401 CERAMIC EPOXY LINING.
- NO FLEXIBLE COUPLINGS SHALL BE USED.
- ALL STAINLESS STEEL FASTENERS SHALL BE 316.
- PROPERTY CORNERS. WATER METER BOXES ARE TO BE A MINIMUM OF 5 FEET FROM THE PROPERTY CORNER.



THE AUTO SUPERSTORE
CARMAX

STORE NUMBER 6022
6030 MARKET STREET
WILMINGTON, NC 28405

PROJECT NO.: 20-15081.02
DATE: 25 APR 17
SHEET TITLE: UTILITY PLAN
SHEET NO.: C-4.0

Approved Construction Plan
Name: [Signature]
Date: 8-17-17
Traffic: [Signature]
Fire: [Signature]

FOR EACH OPEN UTILITY CUT OF CITY STREETS, A \$225 PERMIT SHALL BE OBTAINED PRIOR TO OCCUPANCY UNDER PROJECT ACCEPTANCE.

INSIDE 'A' NOT TO SCALE
INSIDE 'B' NOT TO SCALE
INSIDE 'C' NOT TO SCALE
INSIDE 'D' NOT TO SCALE
INSIDE 'E' NOT TO SCALE
INSIDE 'F' NOT TO SCALE

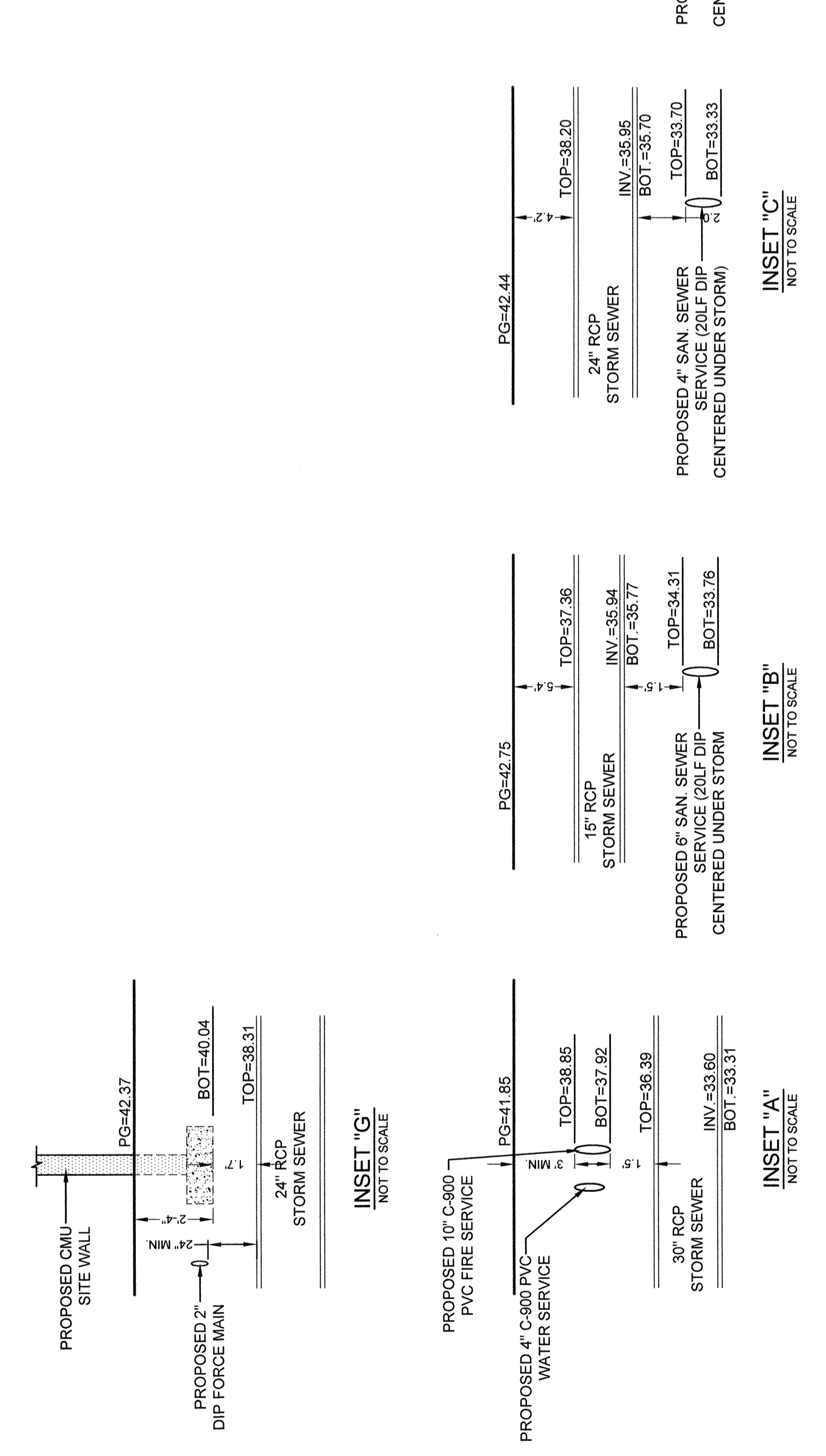
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R05006-004-004-000
BK 2657, PG 496 (ESMT)
BK 2864, PG 74
TRACT II
ZONED RB
USE: 551-RETAIL AUTO

EDWARDS HOLDINGS, LLC
R05006-004-004-000
BK 2657, PG 496 (ESMT)
BK 2864, PG 74
TRACT II
ZONED RB
USE: 551-RETAIL AUTO

CAROLYN WILLIS
REVOCCABLE LIVING TRUST
R05006-004-007-000
BK 5177, PG 180
ZONED RB
USE: 10-1 FAMILY RESIDENTIAL

ARTHUR DOUGLAS SPIVEY TRUST
R05006-004-009-000
TRACT ONE
BK 5715, PG 944
BK 1174, PG 1937
ZONED RB
USE: 999-UNUSED LAND

ARTHUR DOUGLAS SPIVEY
BK 523, PG 19
ZONED RB
USE: 730-BUSINESS

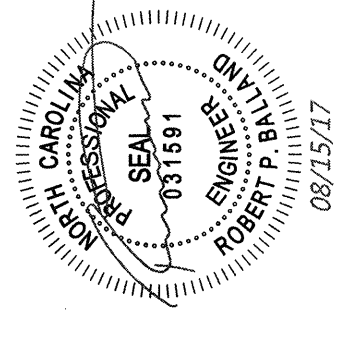


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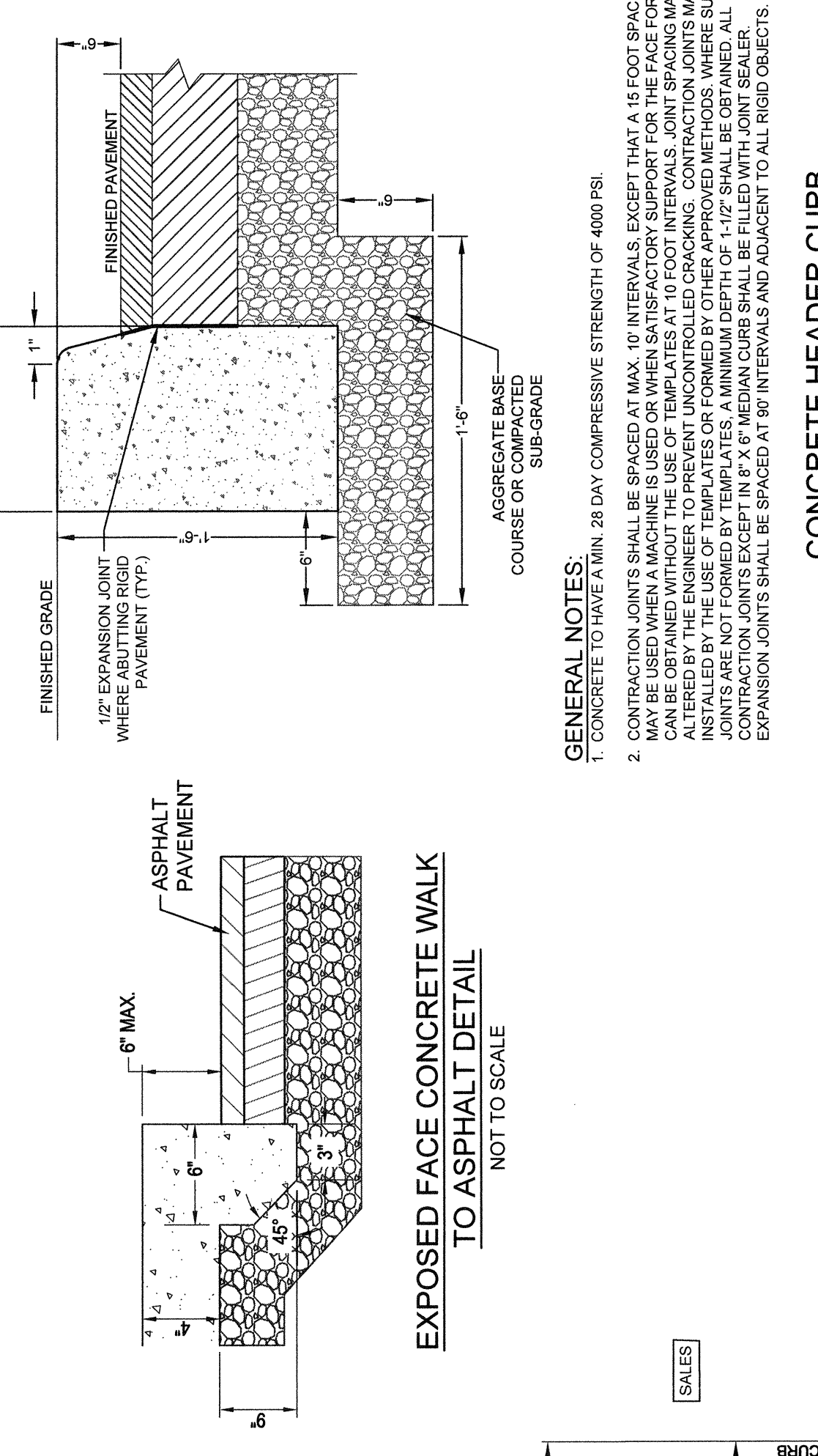
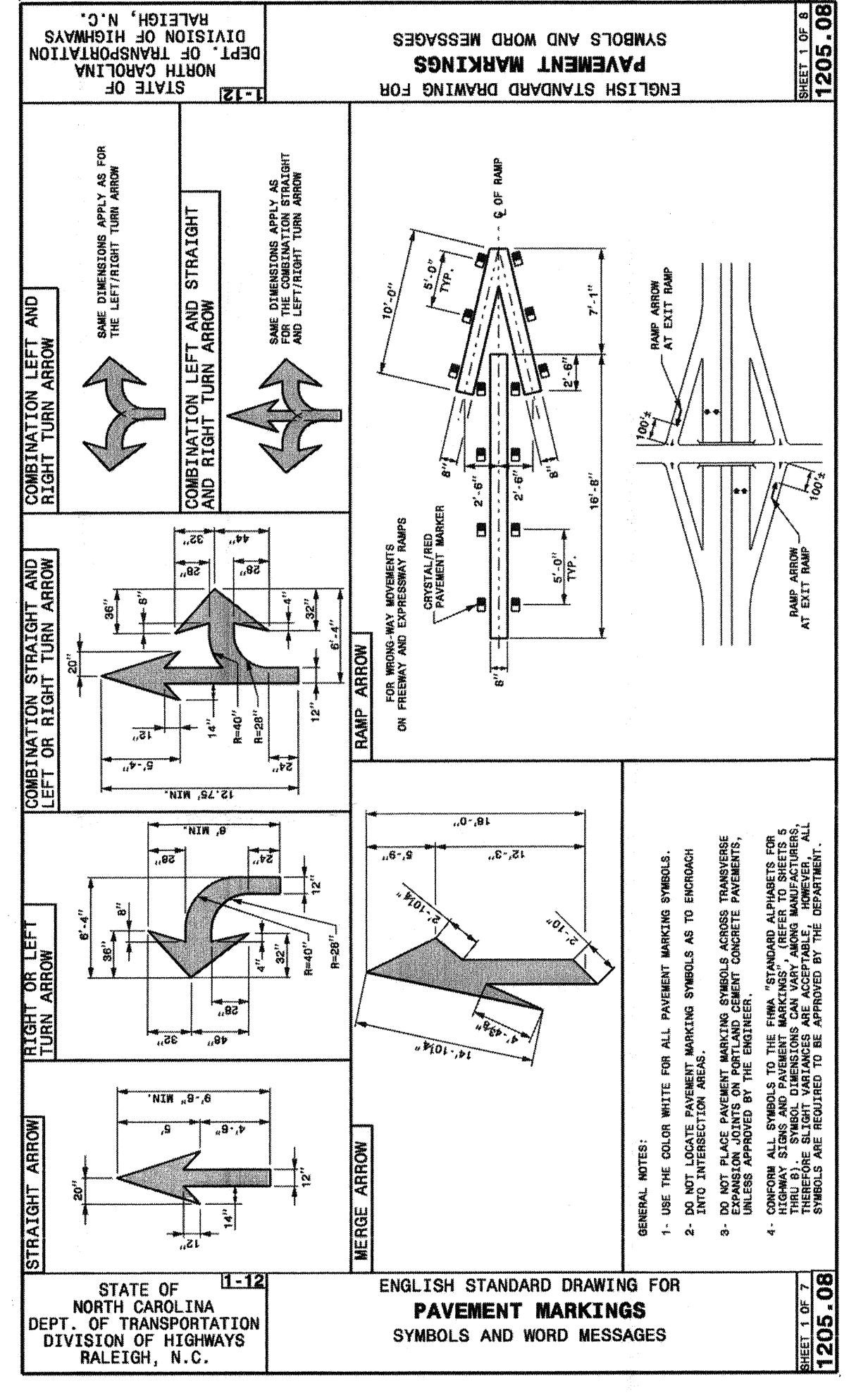
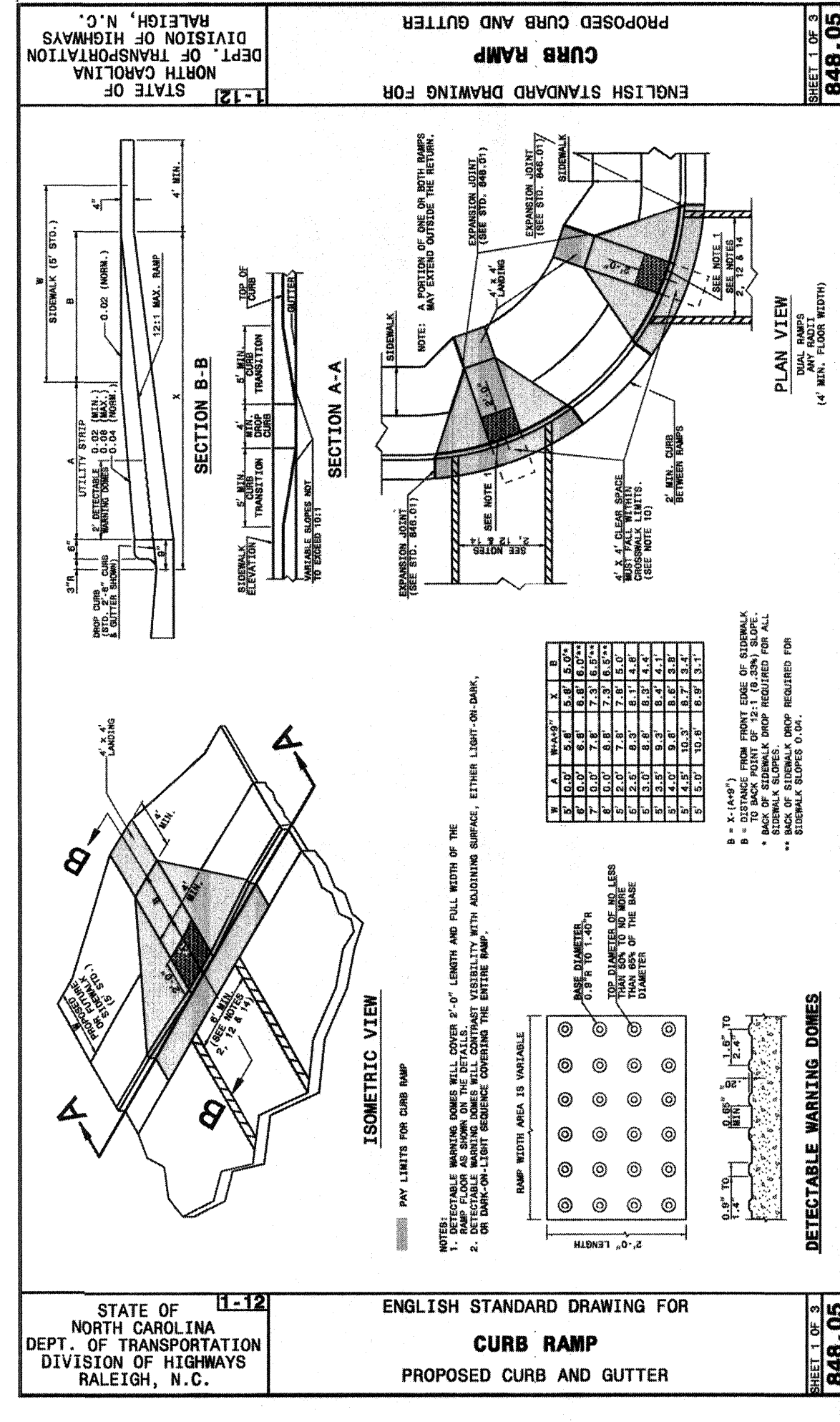
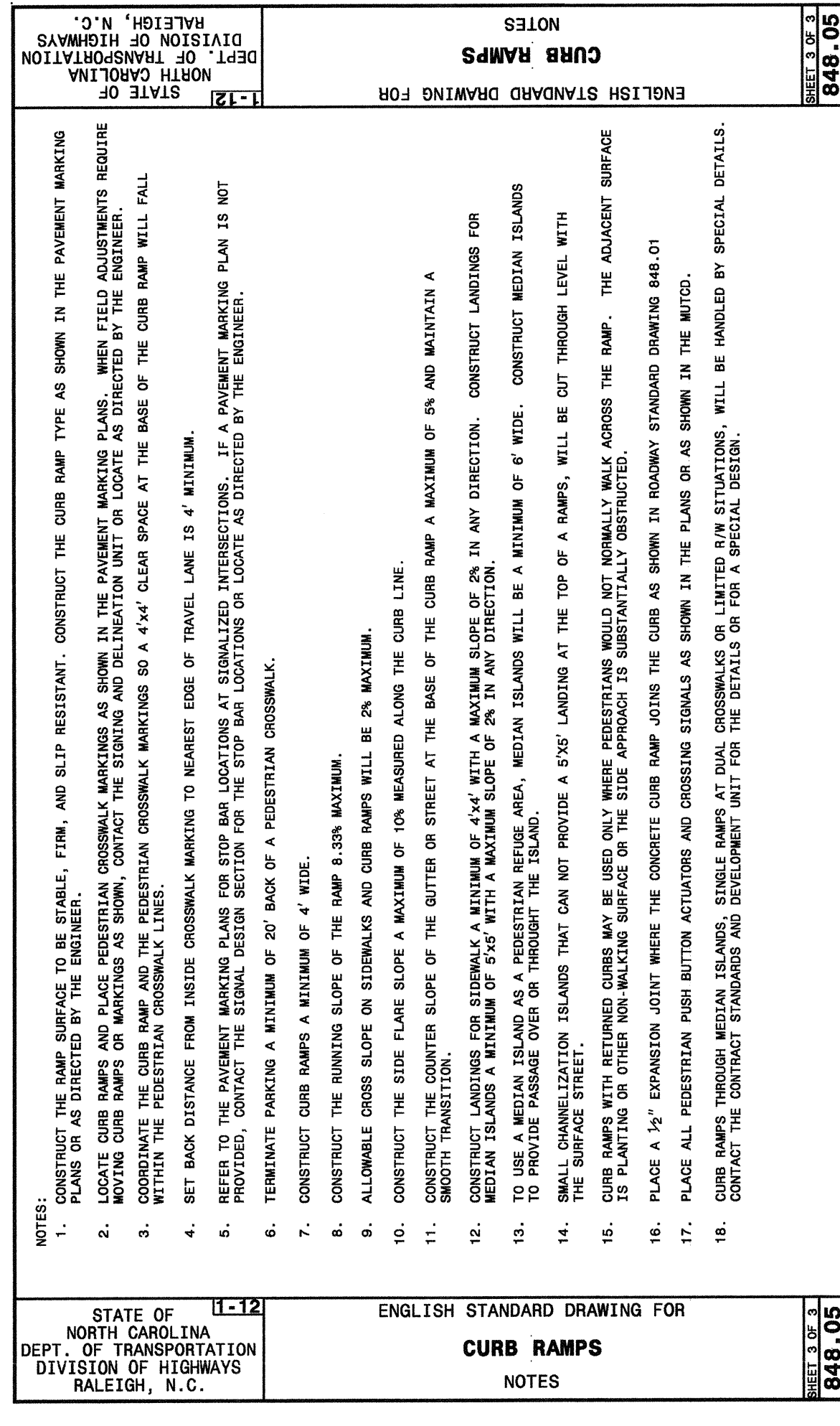


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CHECKED BY:	RFB

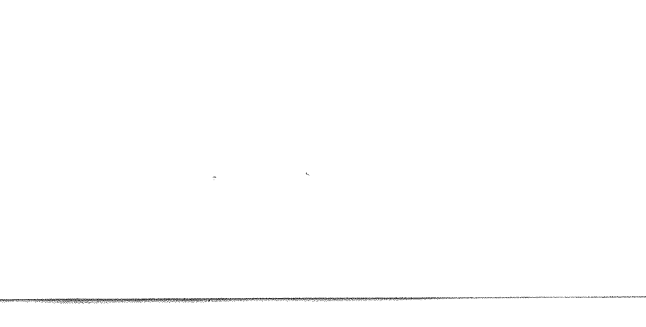
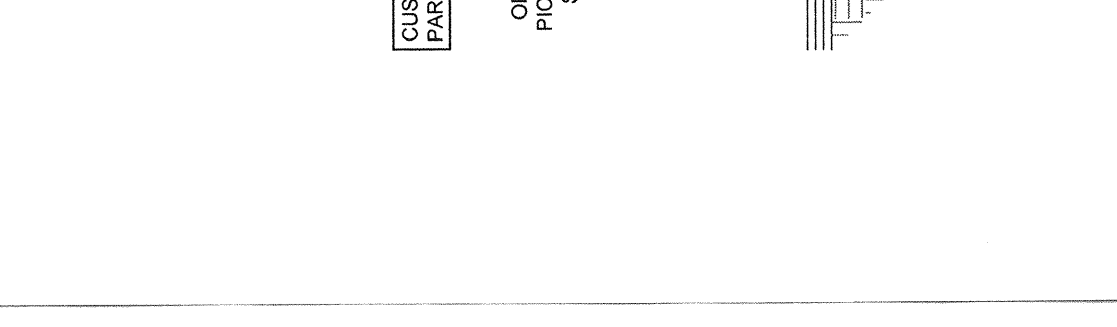
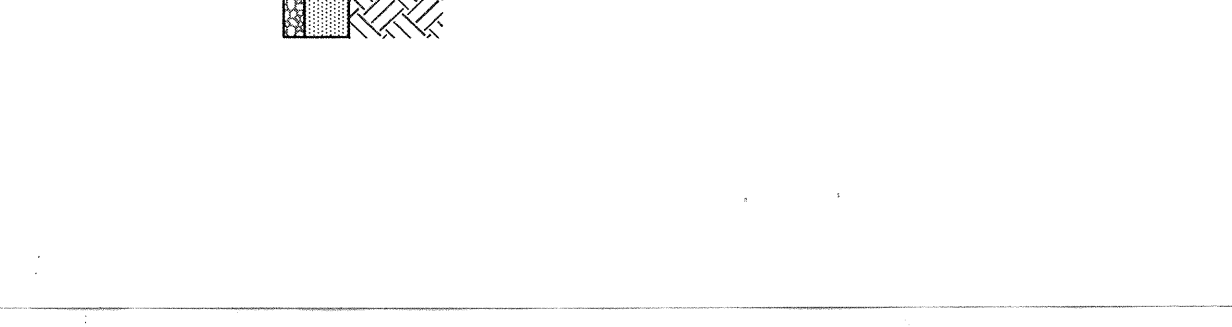
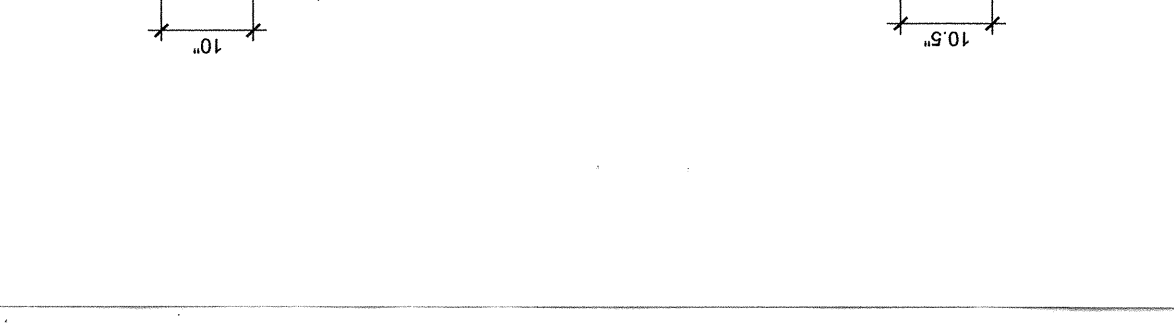
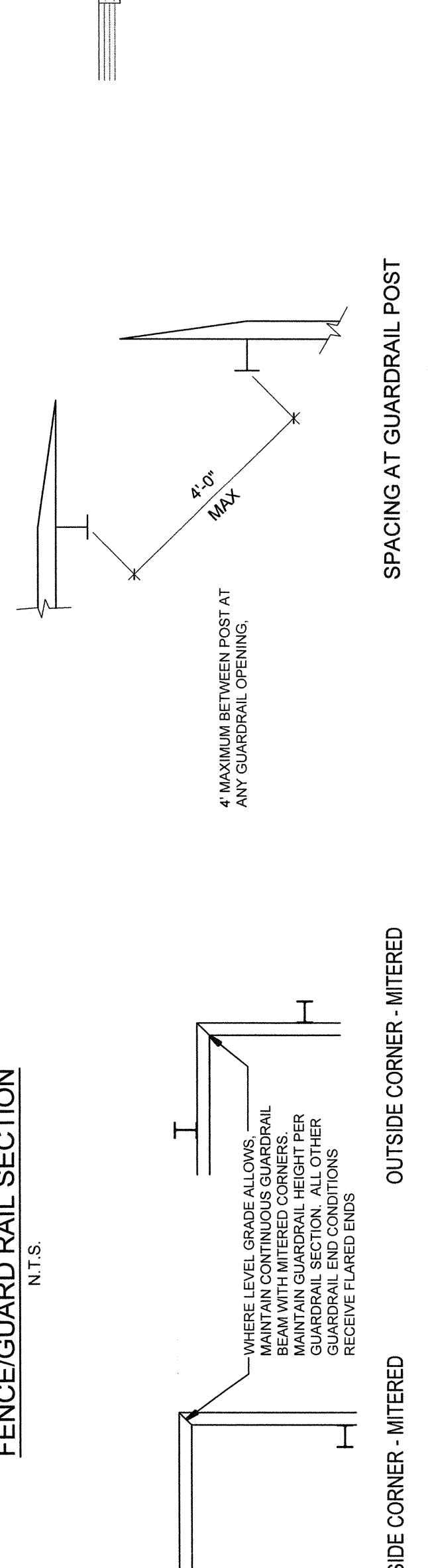
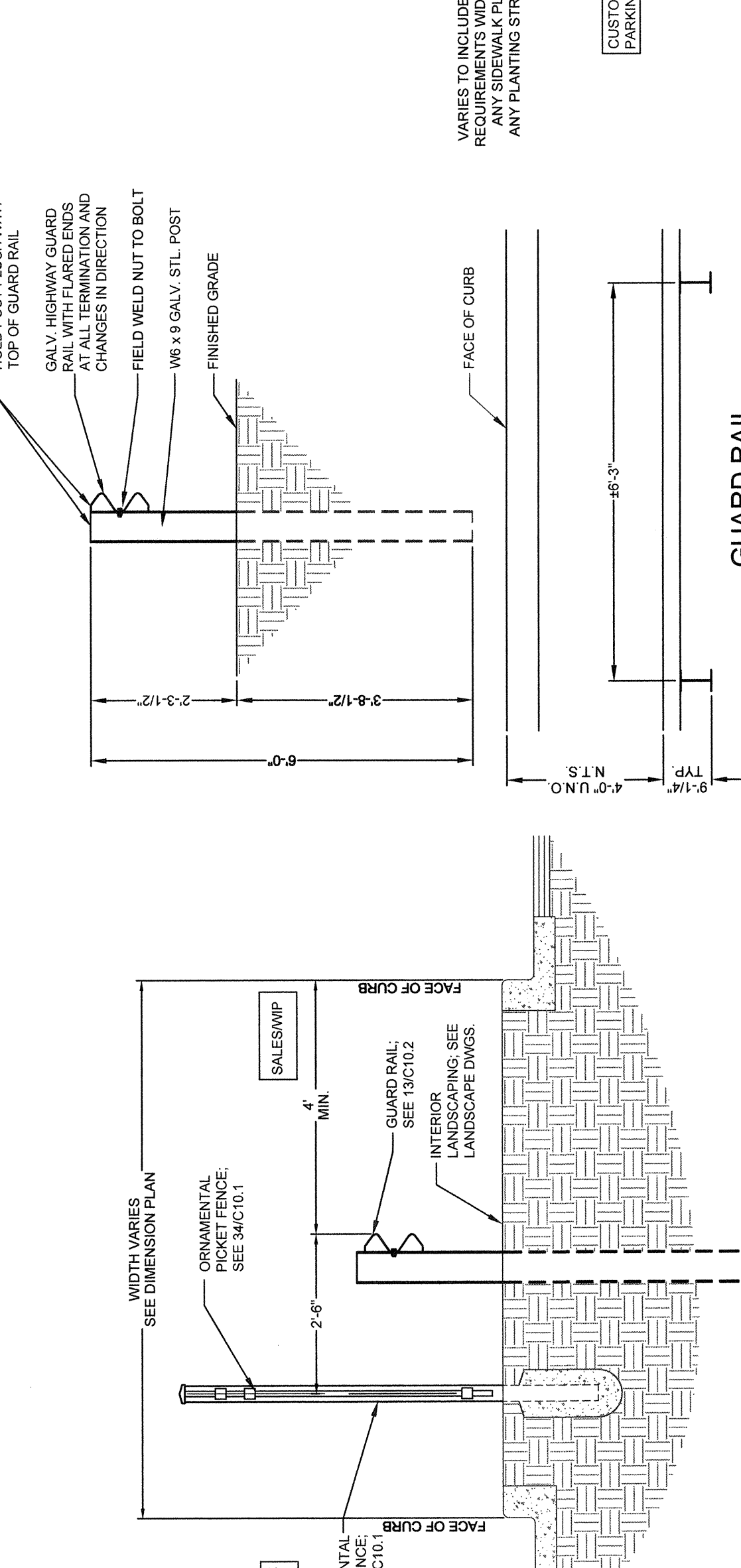
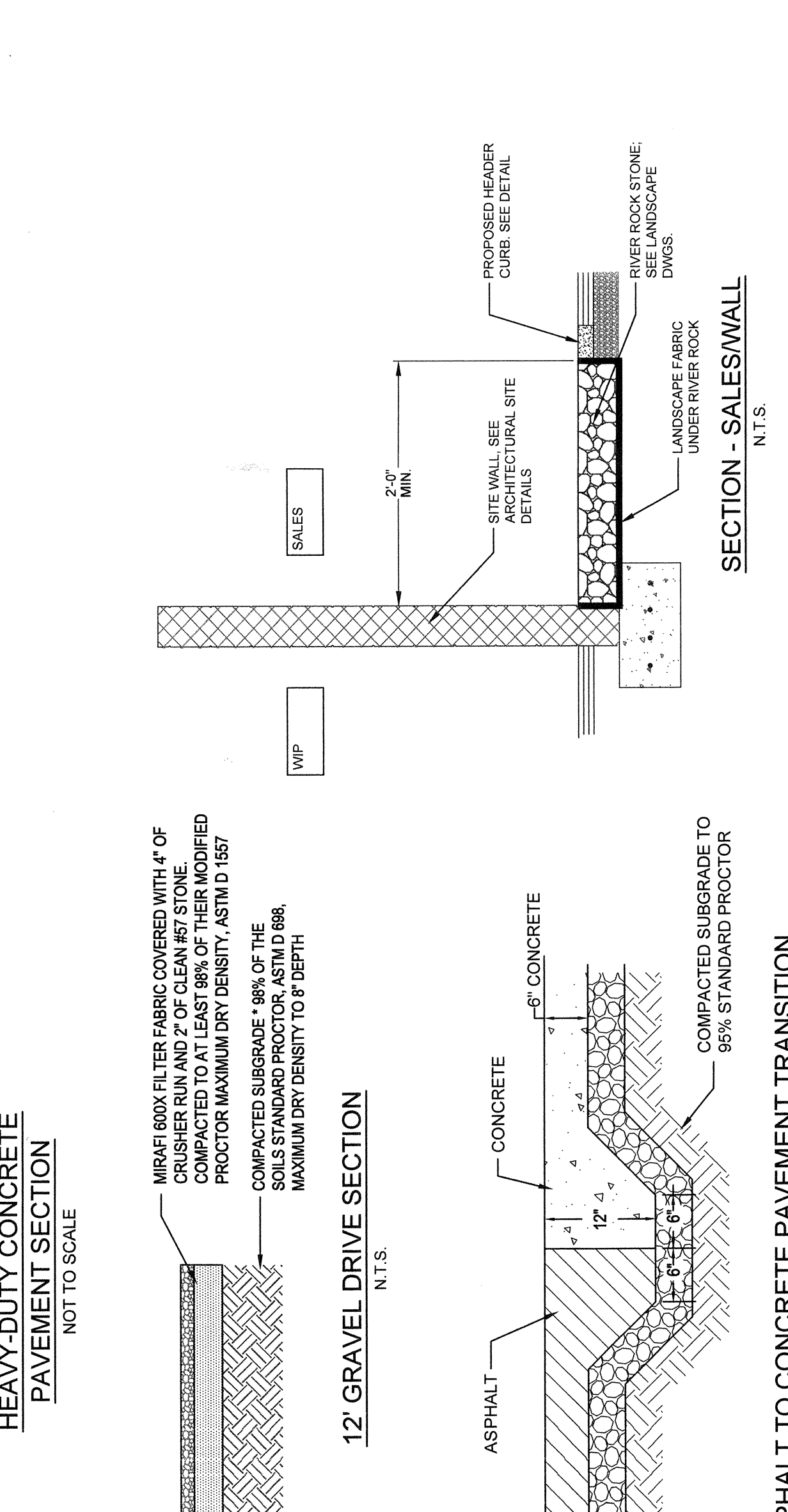
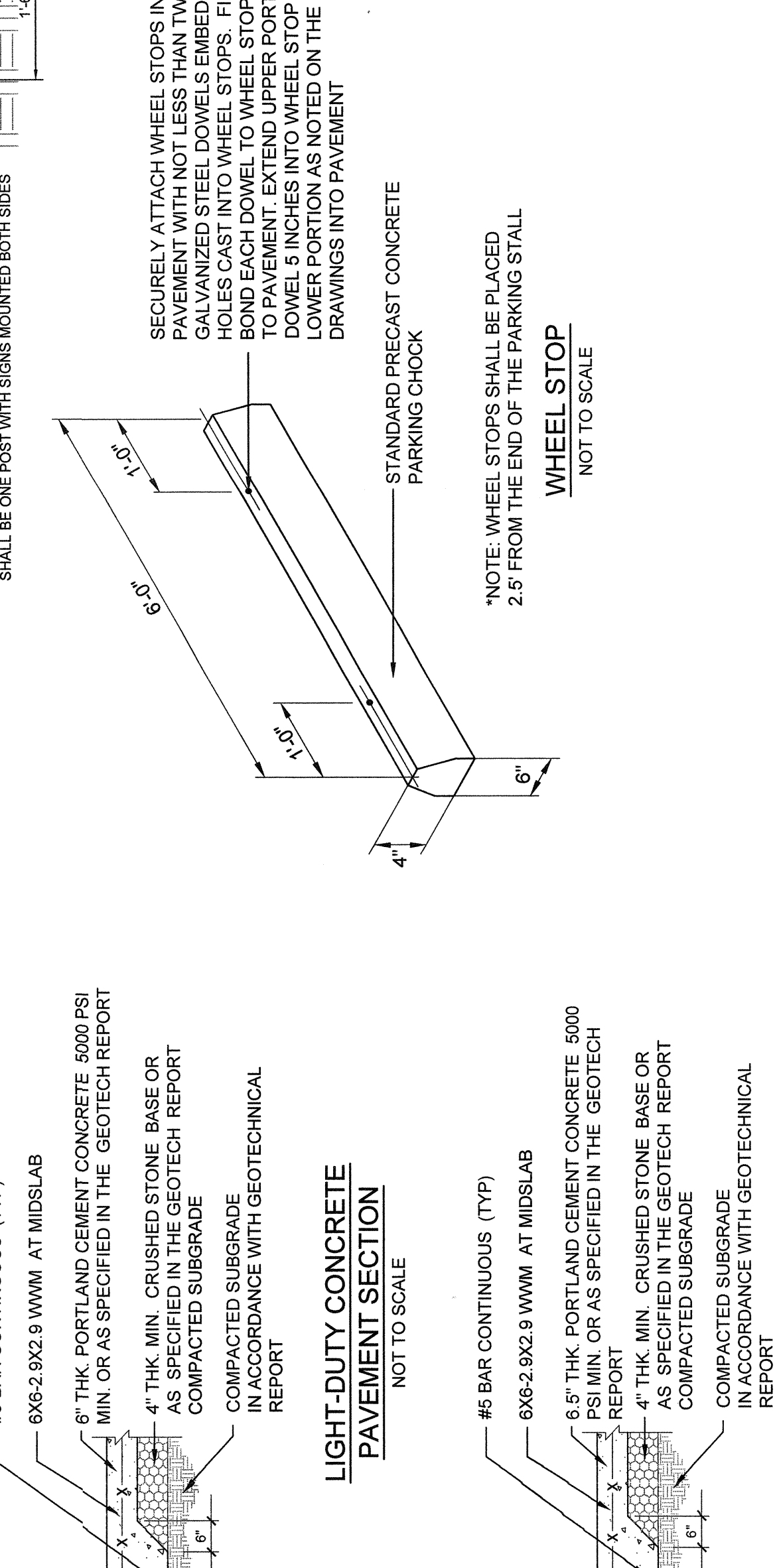
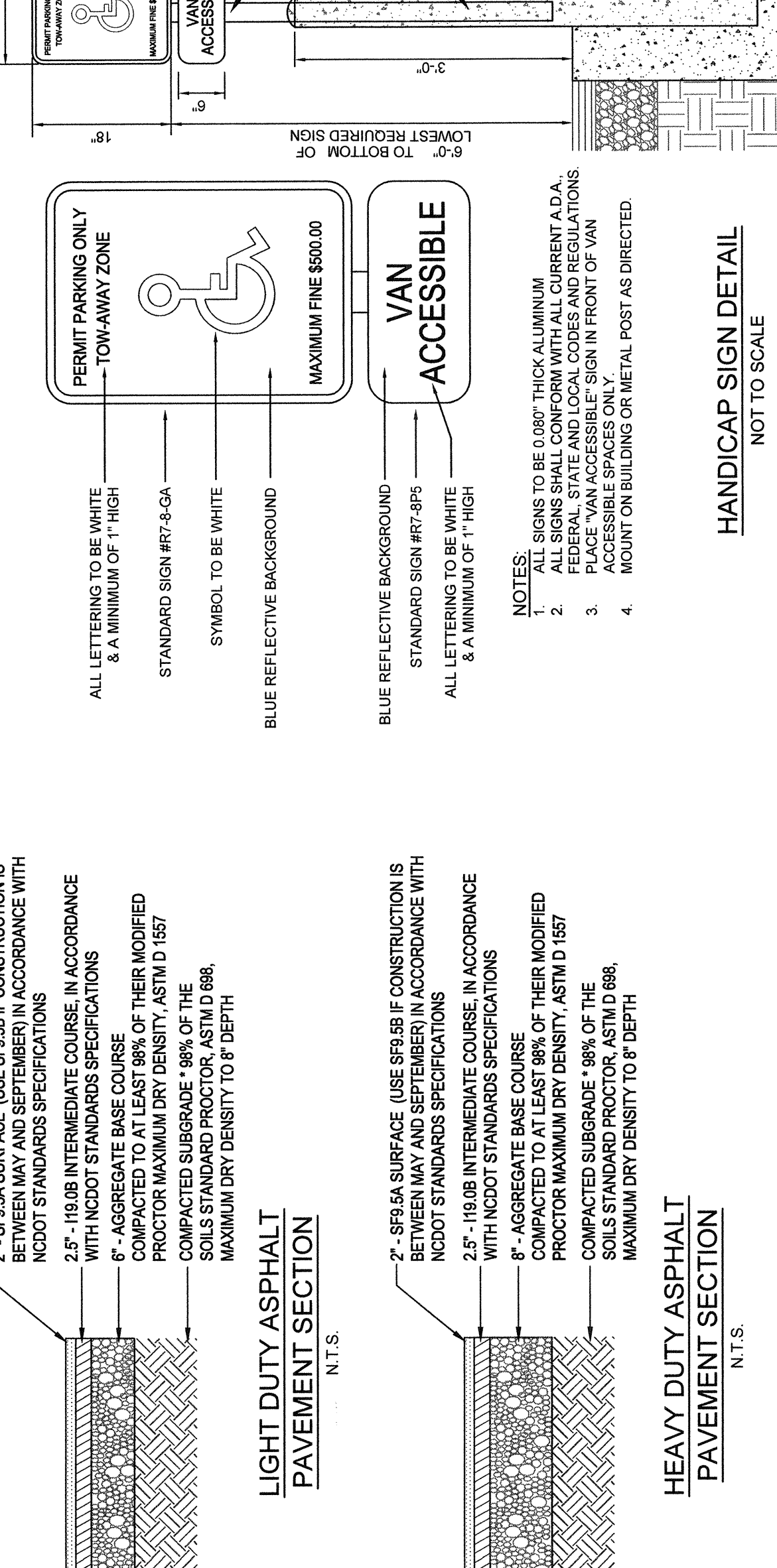
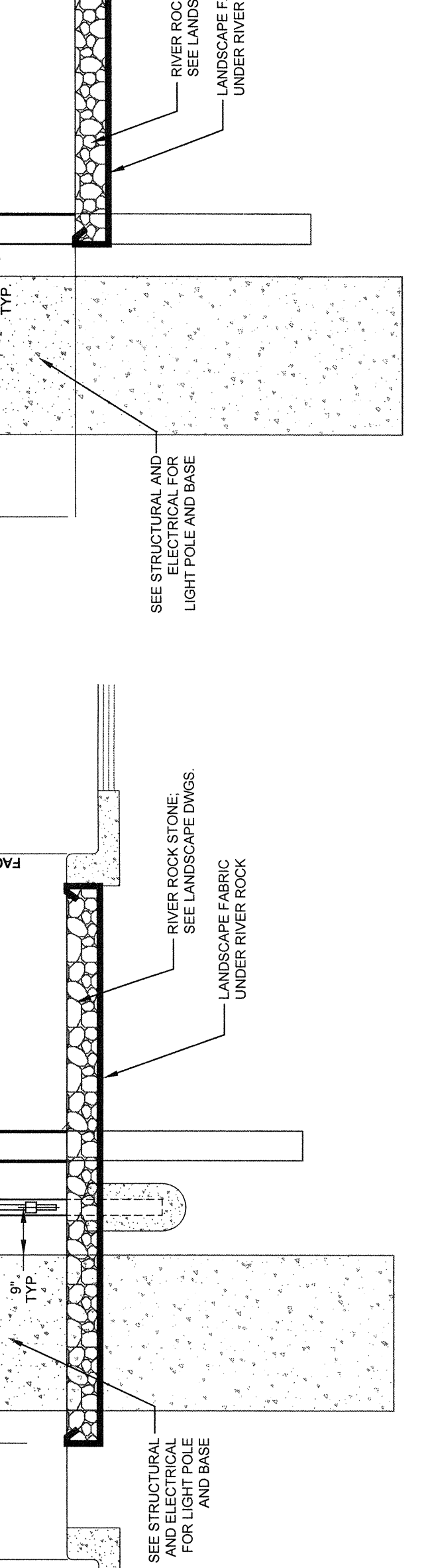
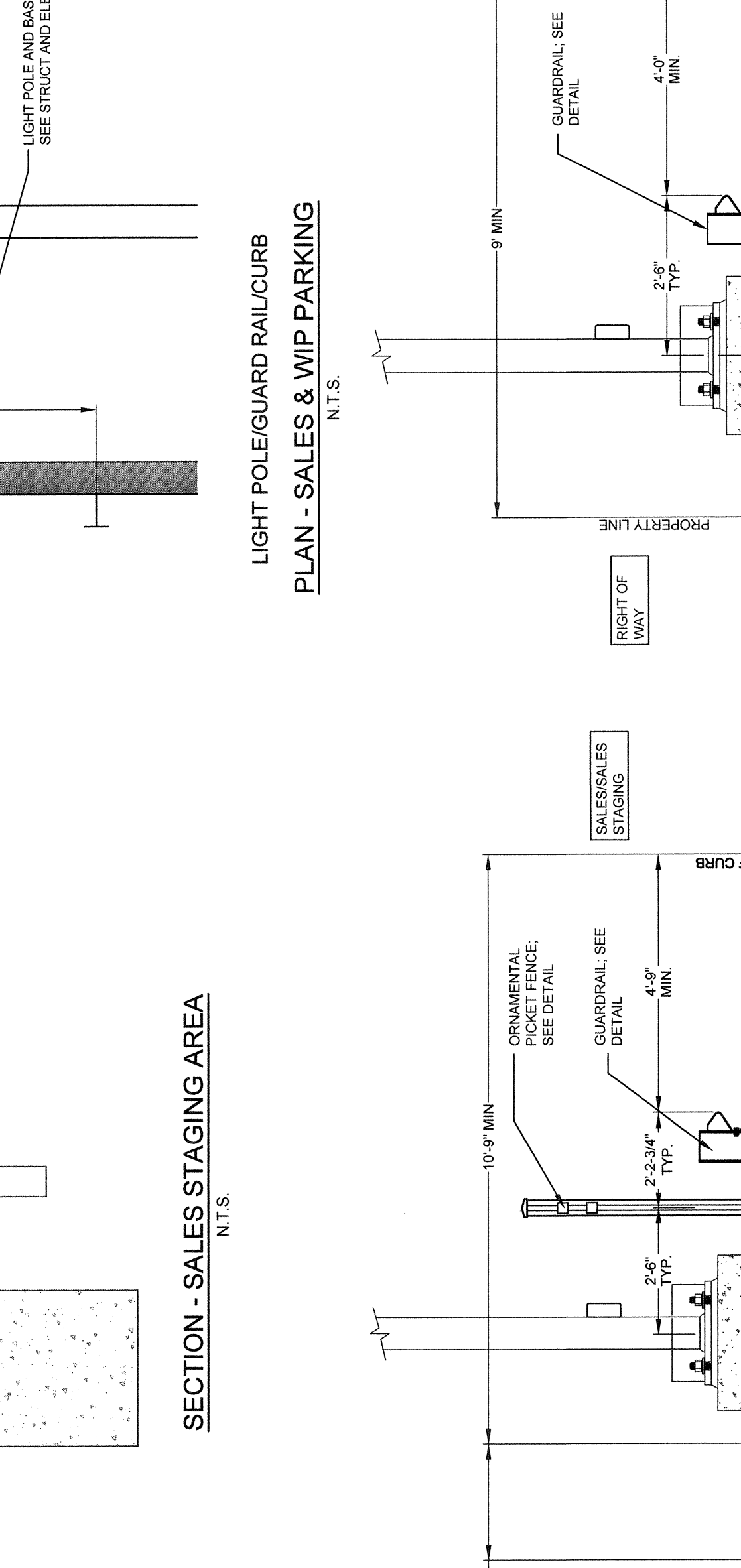
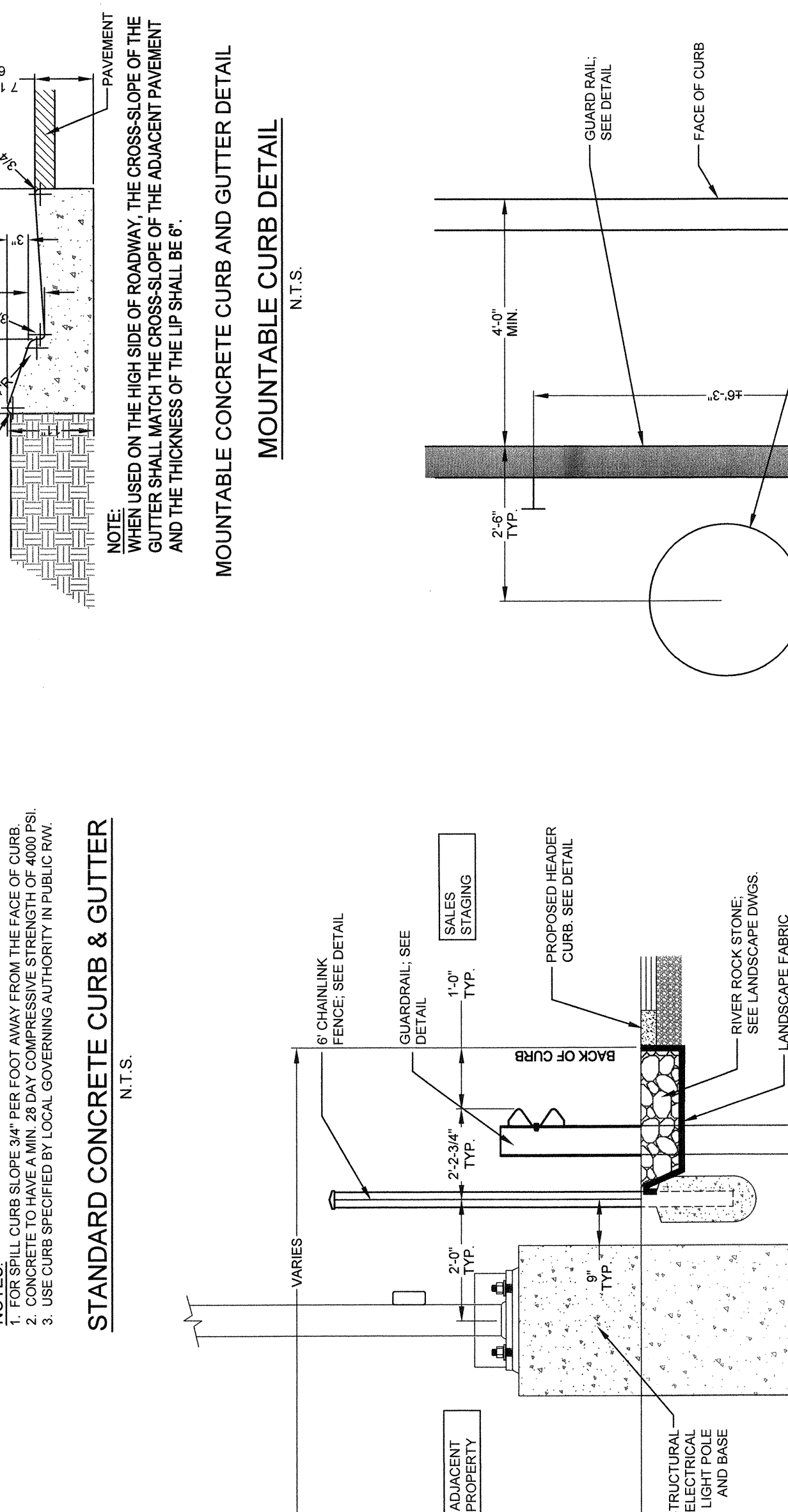
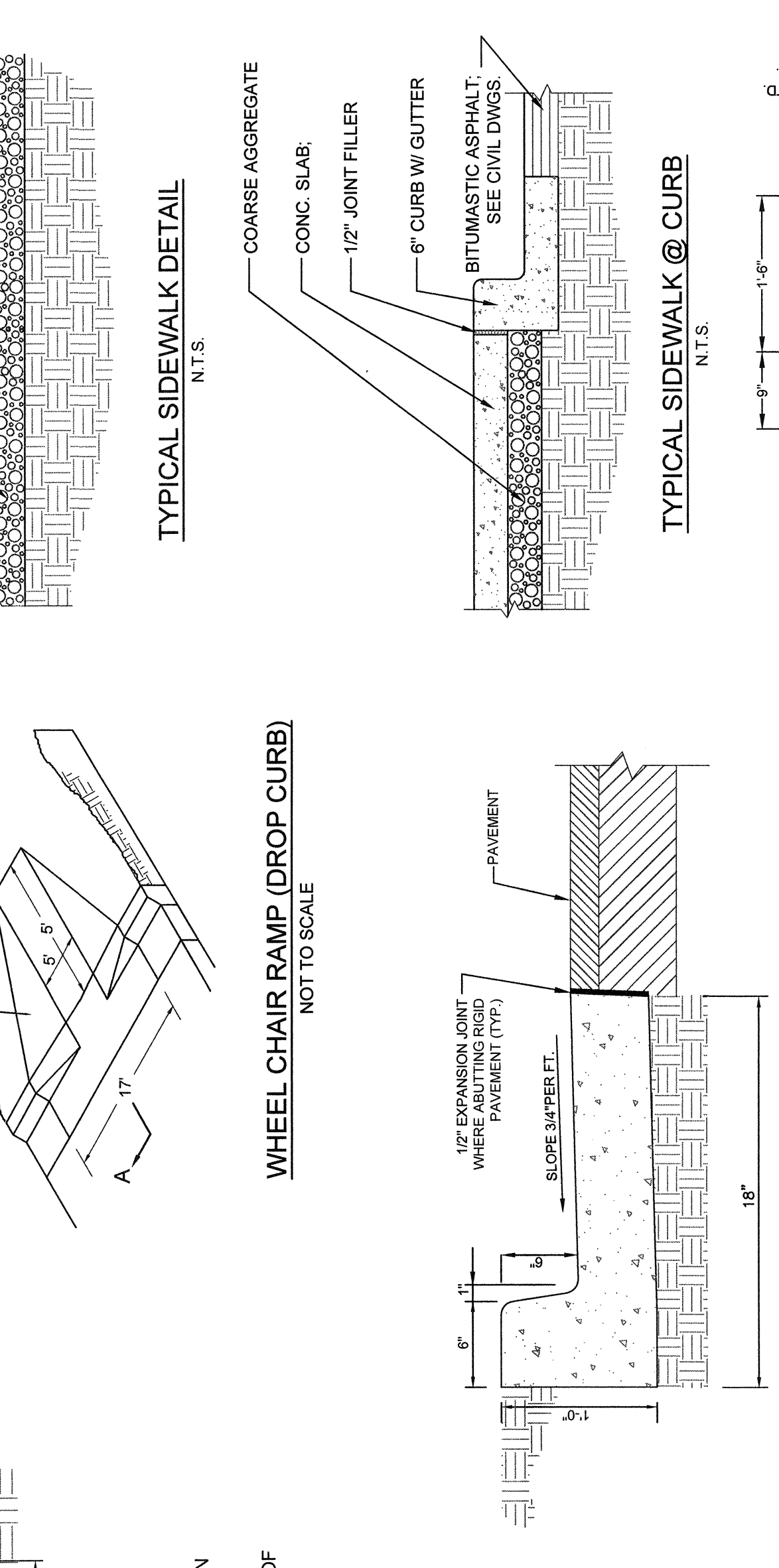
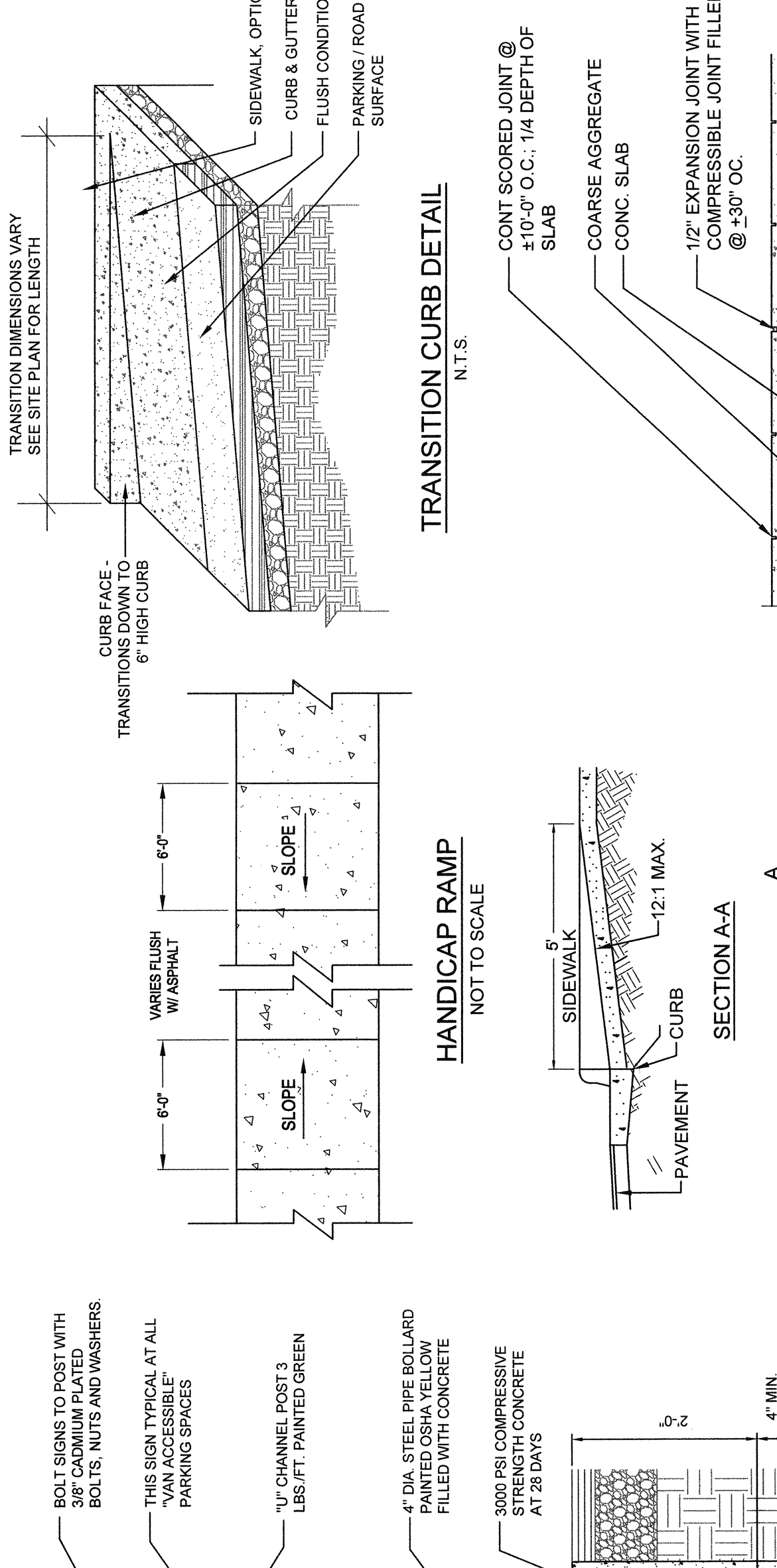
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11	APR 17	CHECKPOINT #2	
25	APR 17	100% DISTRIBUTION	

SHEET TITLE	DETAILS
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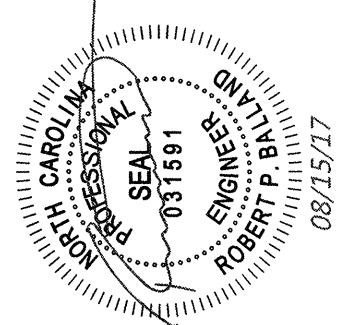
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INCUBER PWSS WATER PERMIT #	
DWQ SEWER PERMIT #	
SEWER CAPACITY	OPD
SEWER SIZES AND MATERIAL	OPD
SEWER FLOW THROUGHLINE	YES or NO (CIRCLE ONE)



811
Know what's below. Call before you dig.
Approved Construction Plan
City of Wilmington
Planning: E. White, 8-17-17
Traffic: C. Smith, 8-17-17
File: C. White, 8/17/17
Approved Construction Plan
Name: [Redacted]
Date: 8/17/17
Signature: [Redacted]



**SFS/A
SVC/FQC
100%
DISTRIBUTION**



RELEASED FOR CONSTRUCTION
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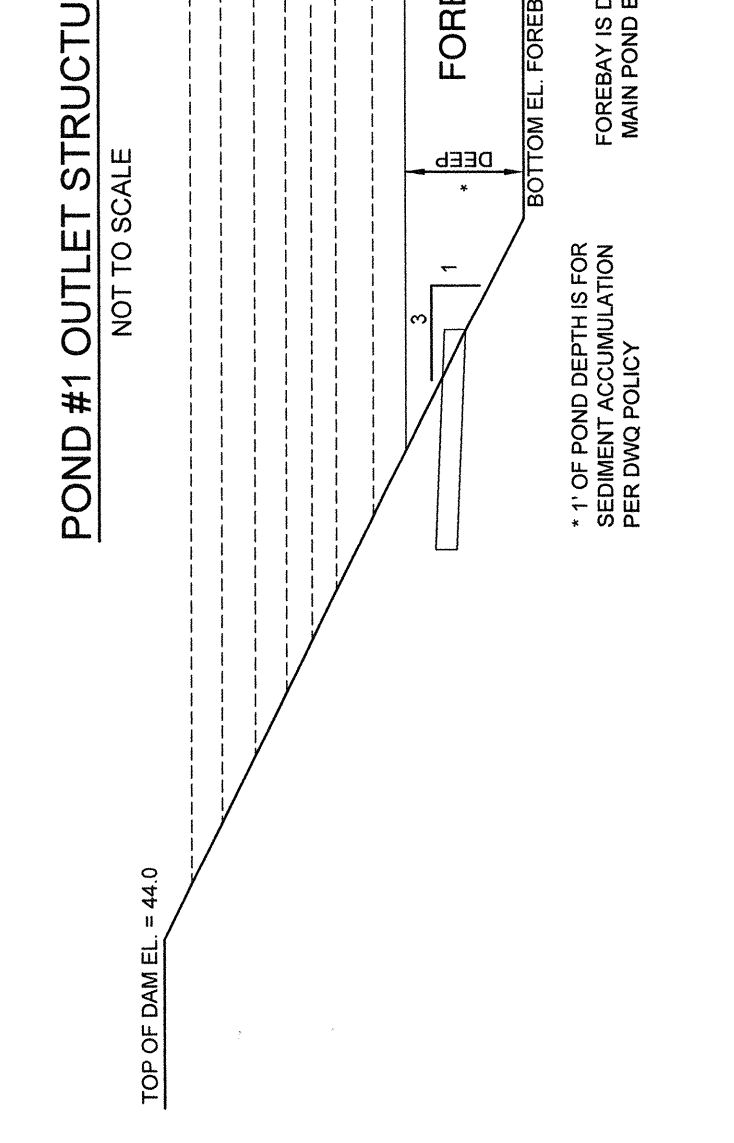
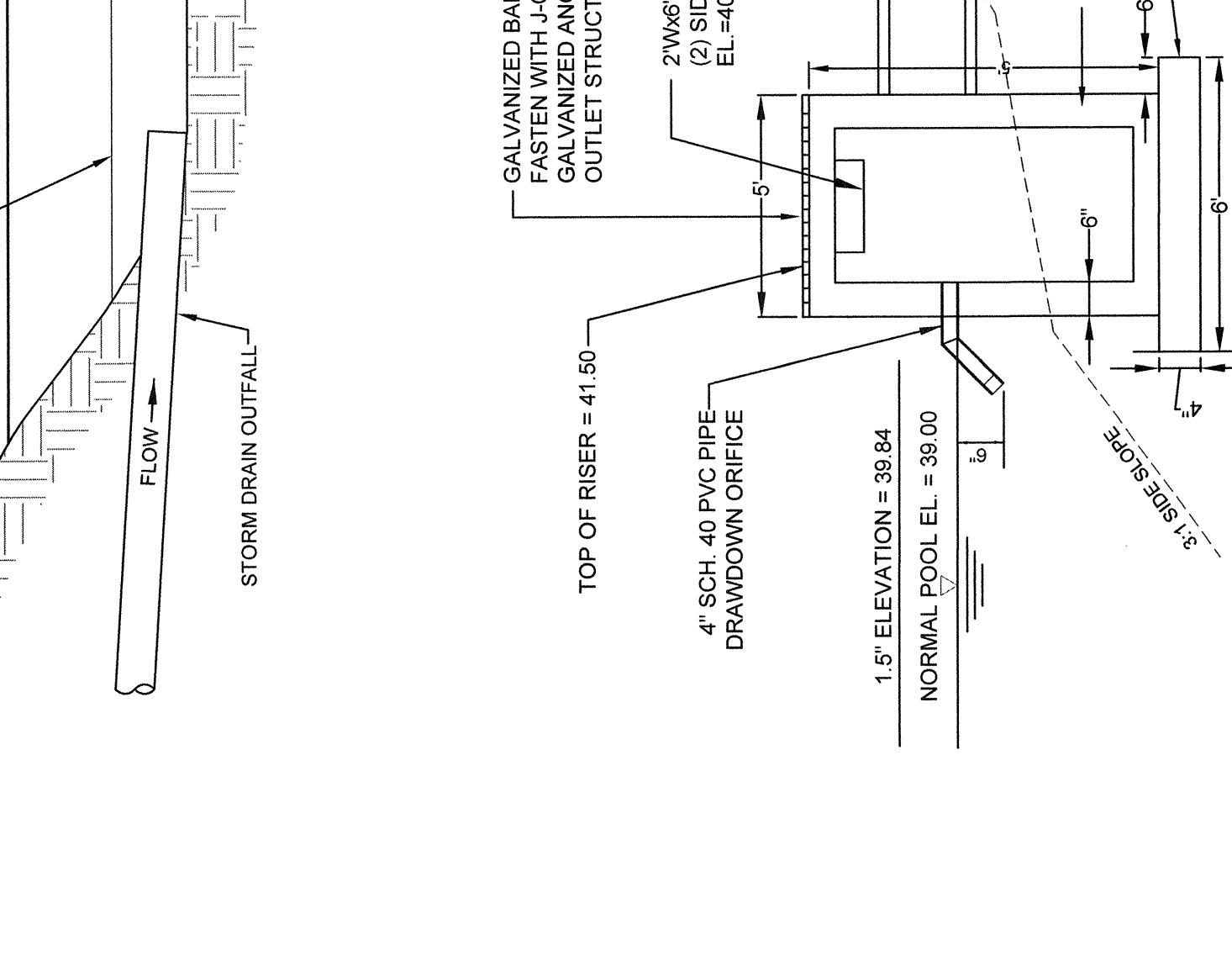
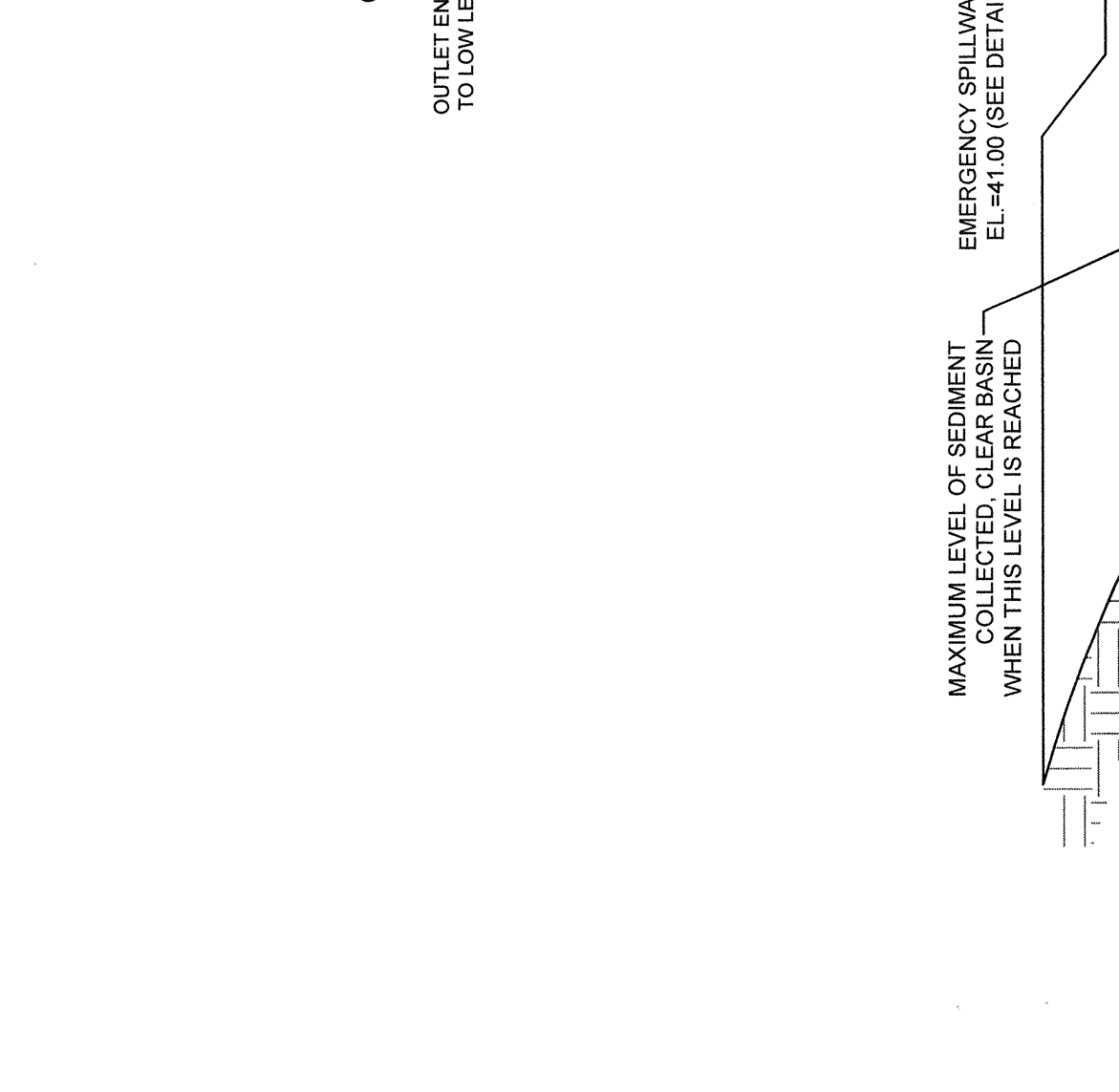
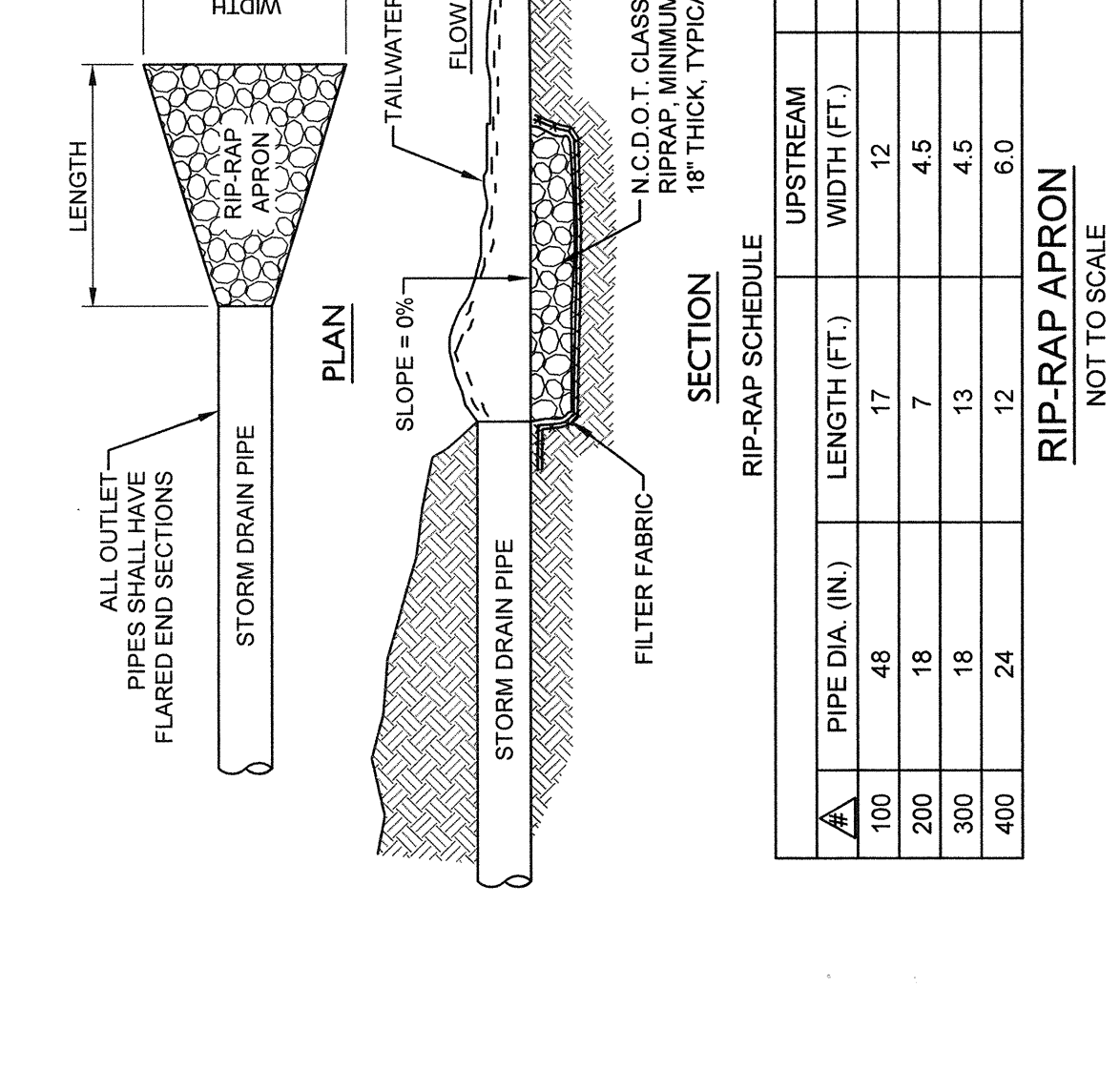
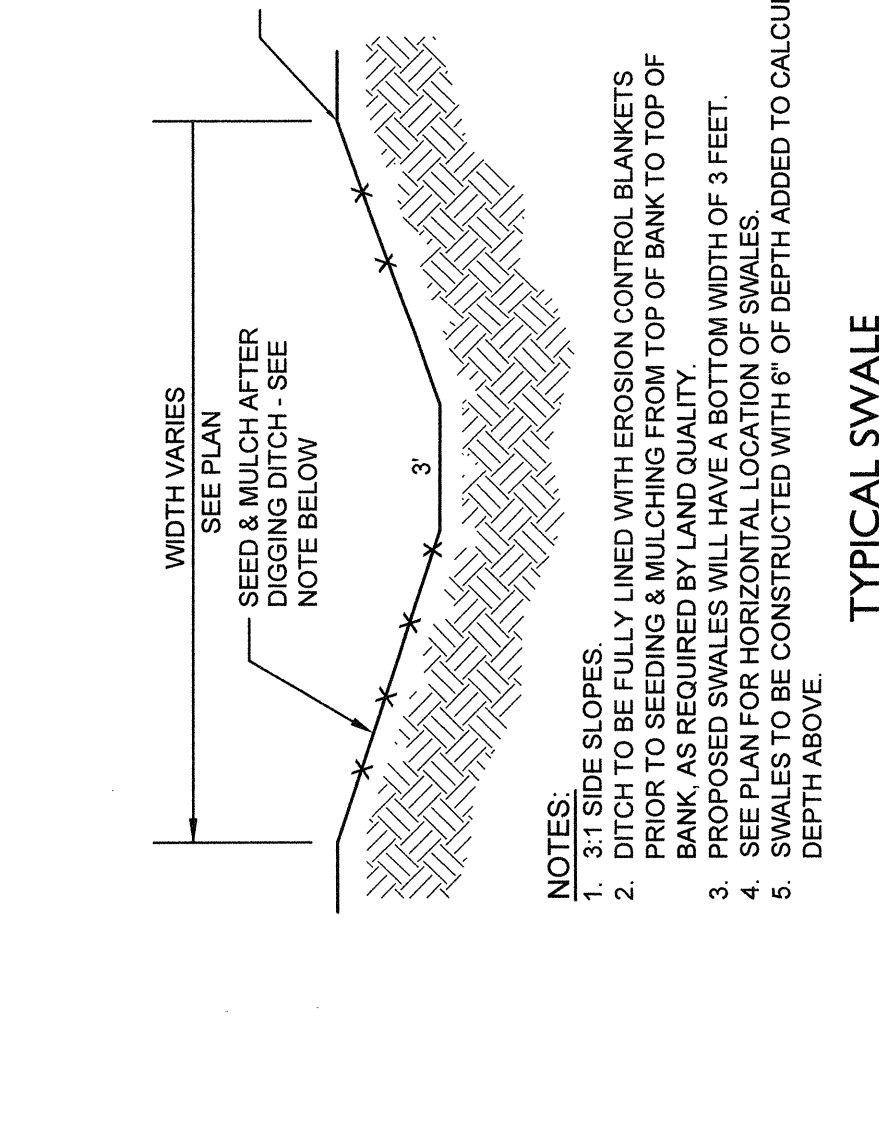
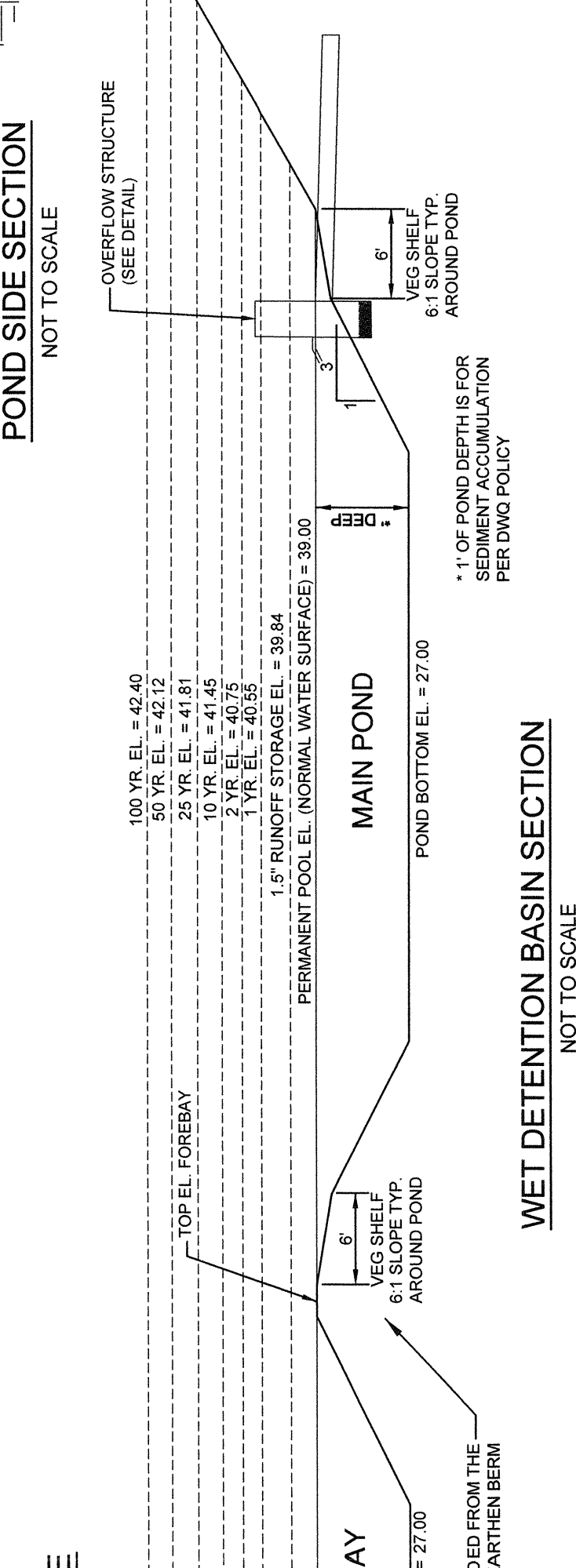
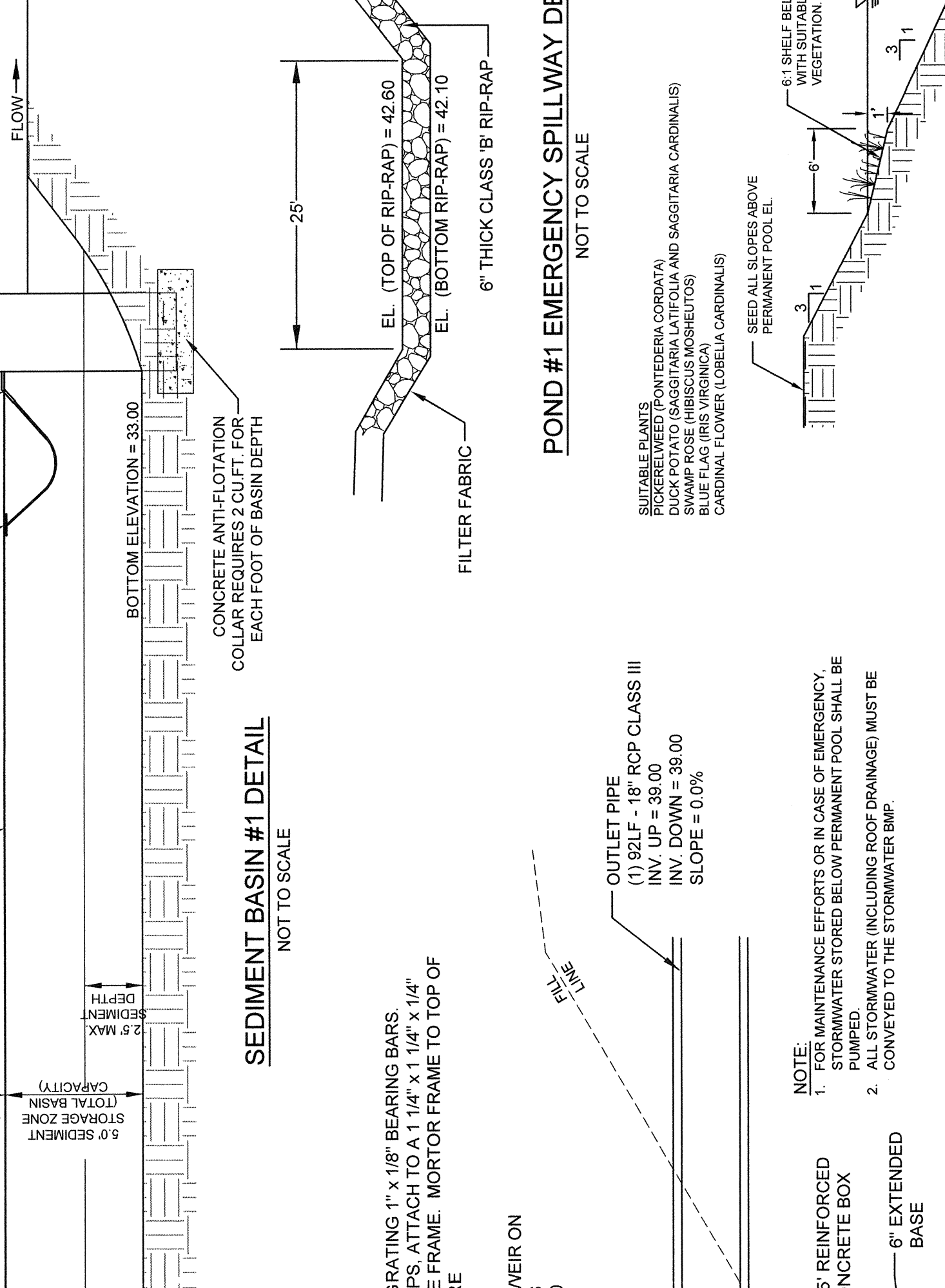
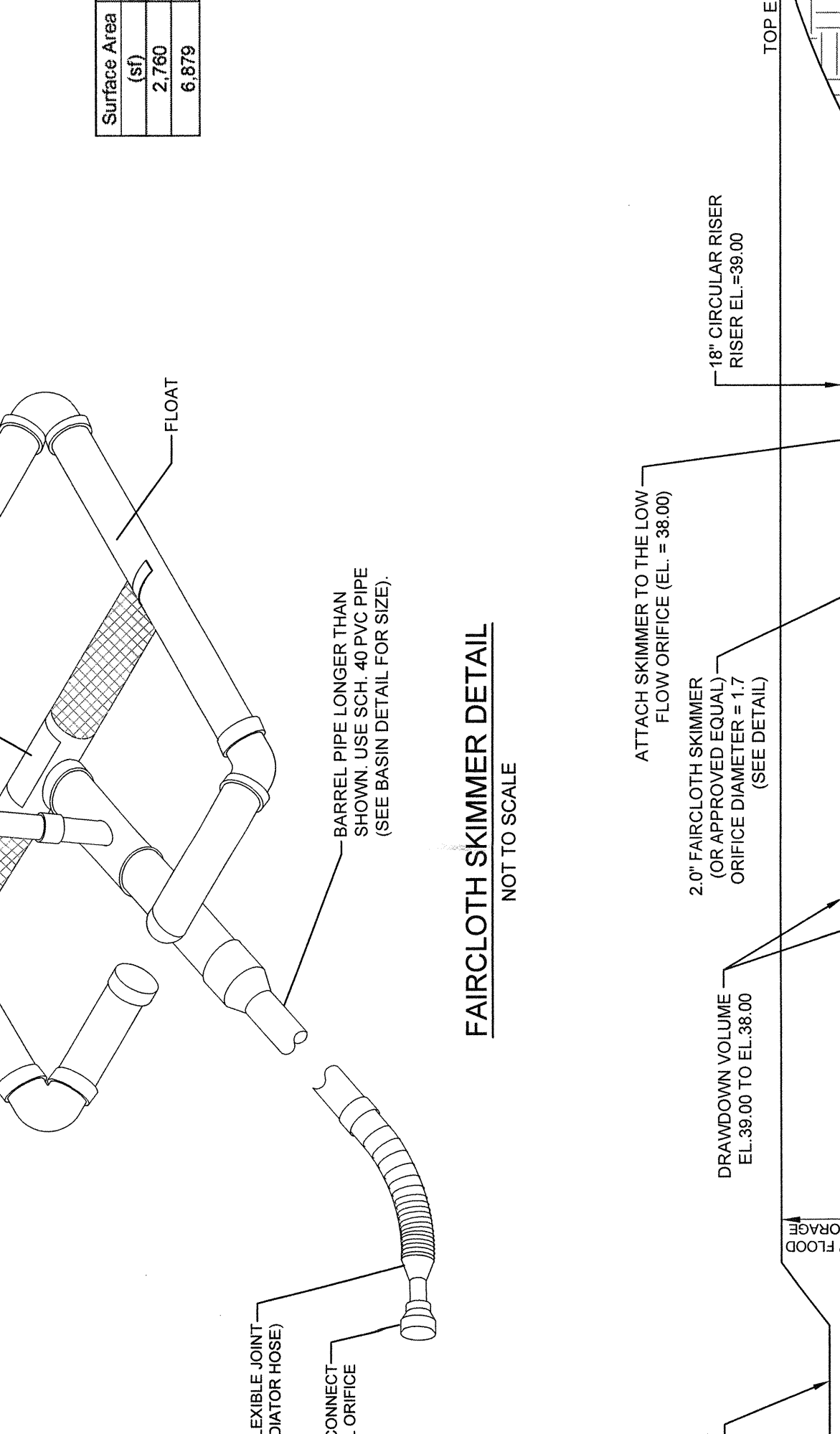
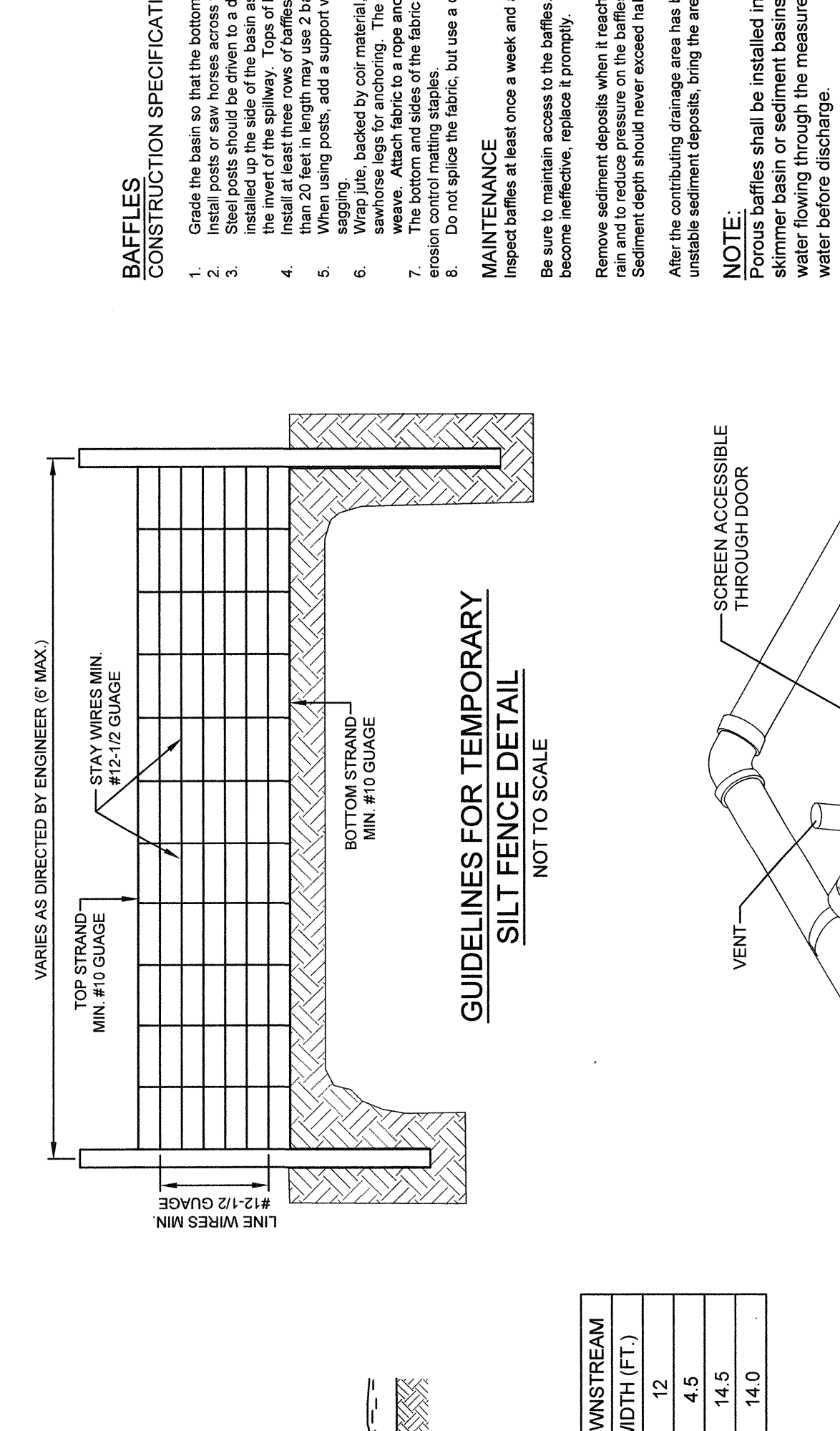
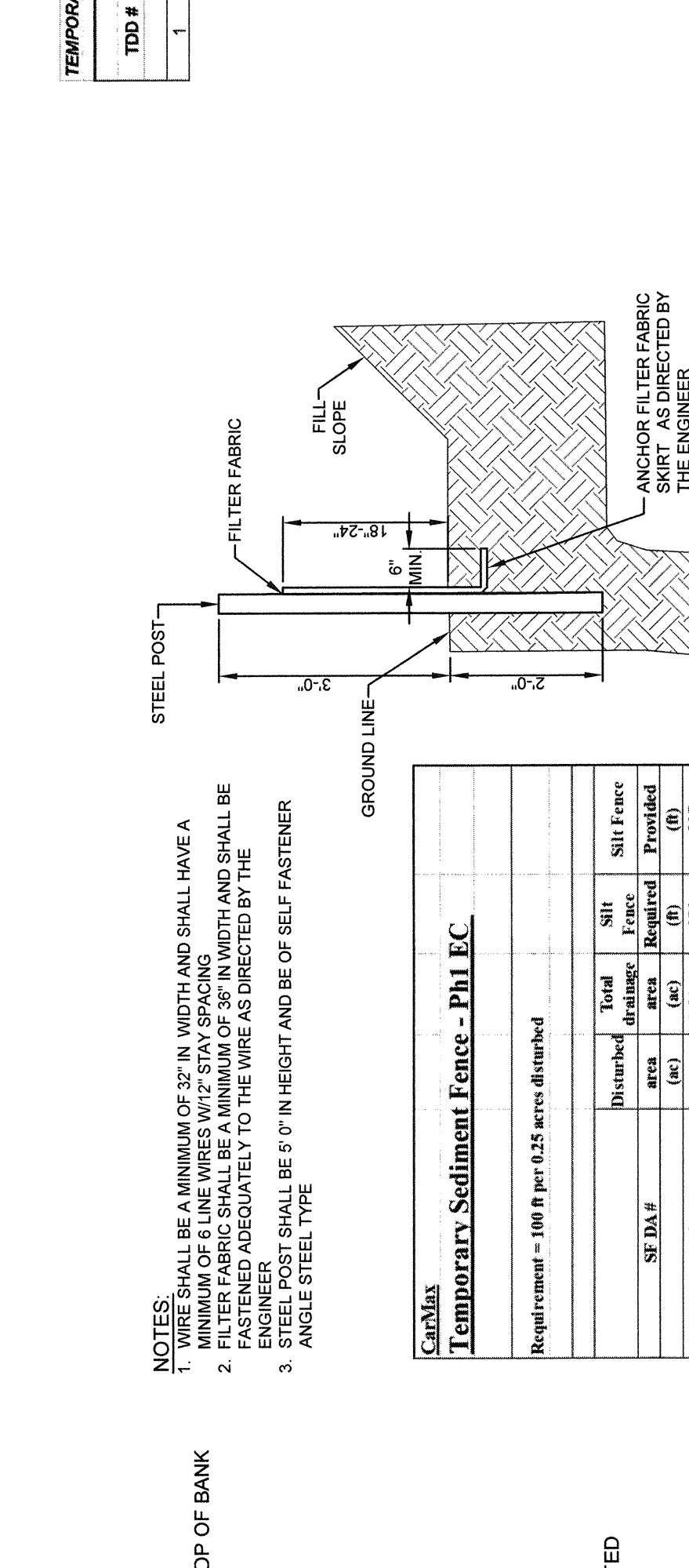
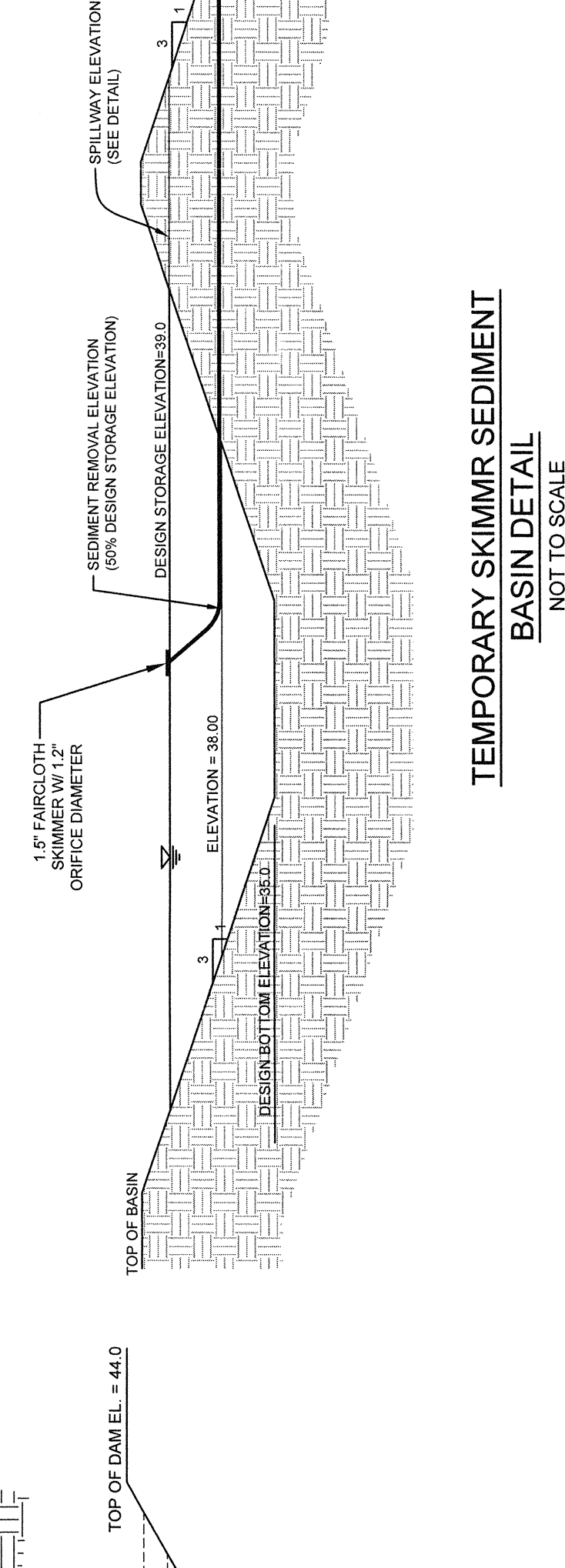
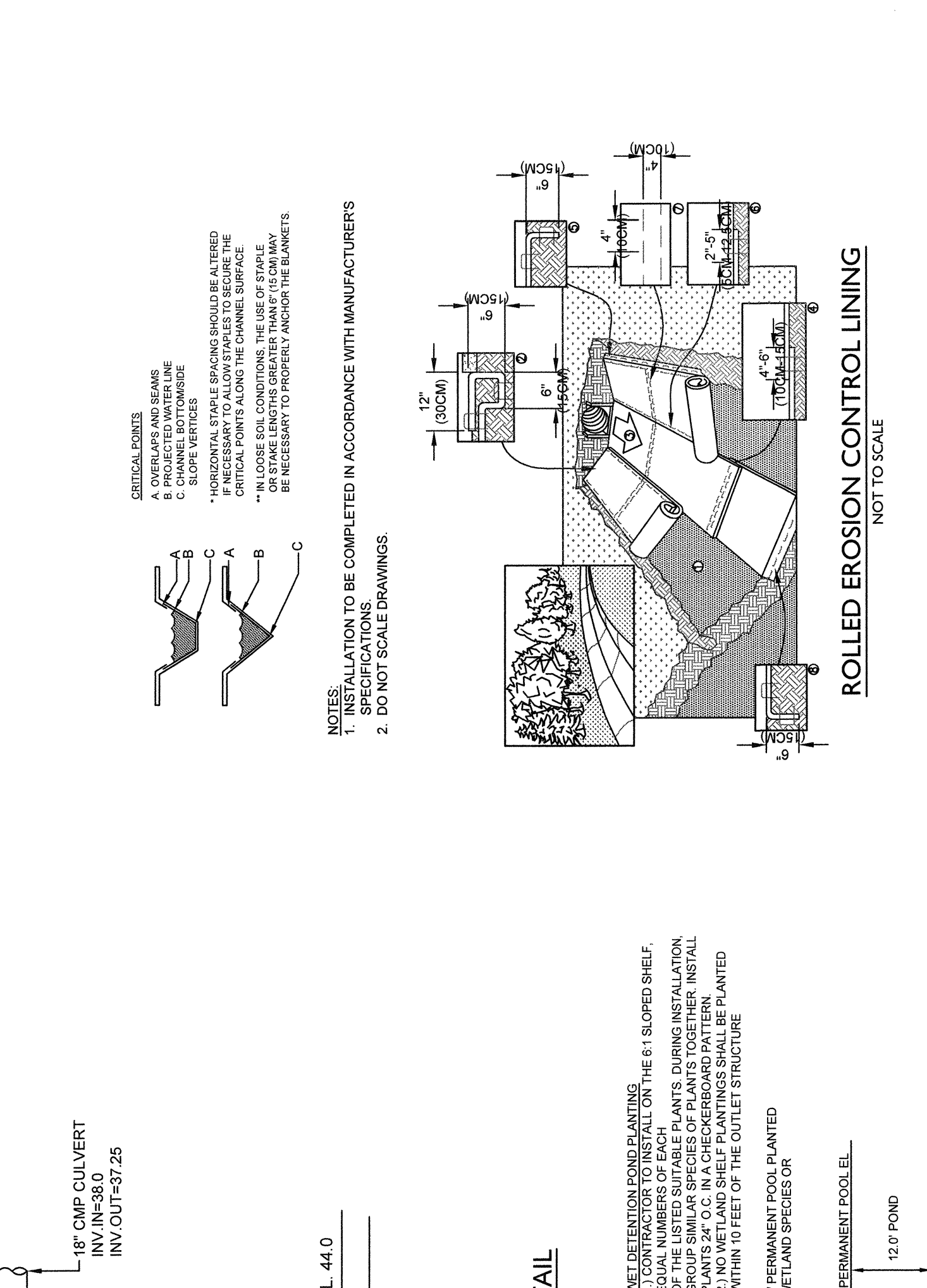
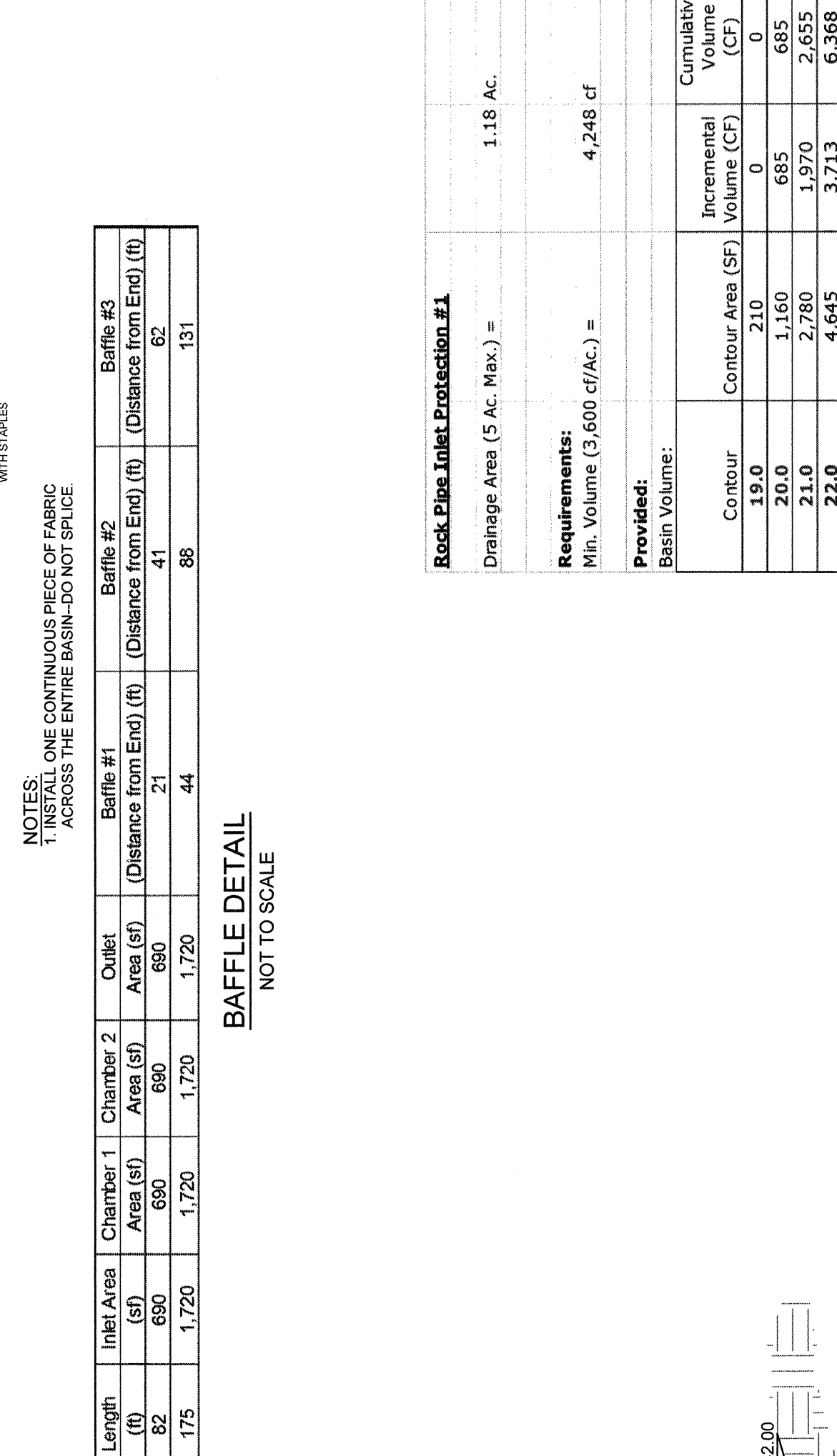
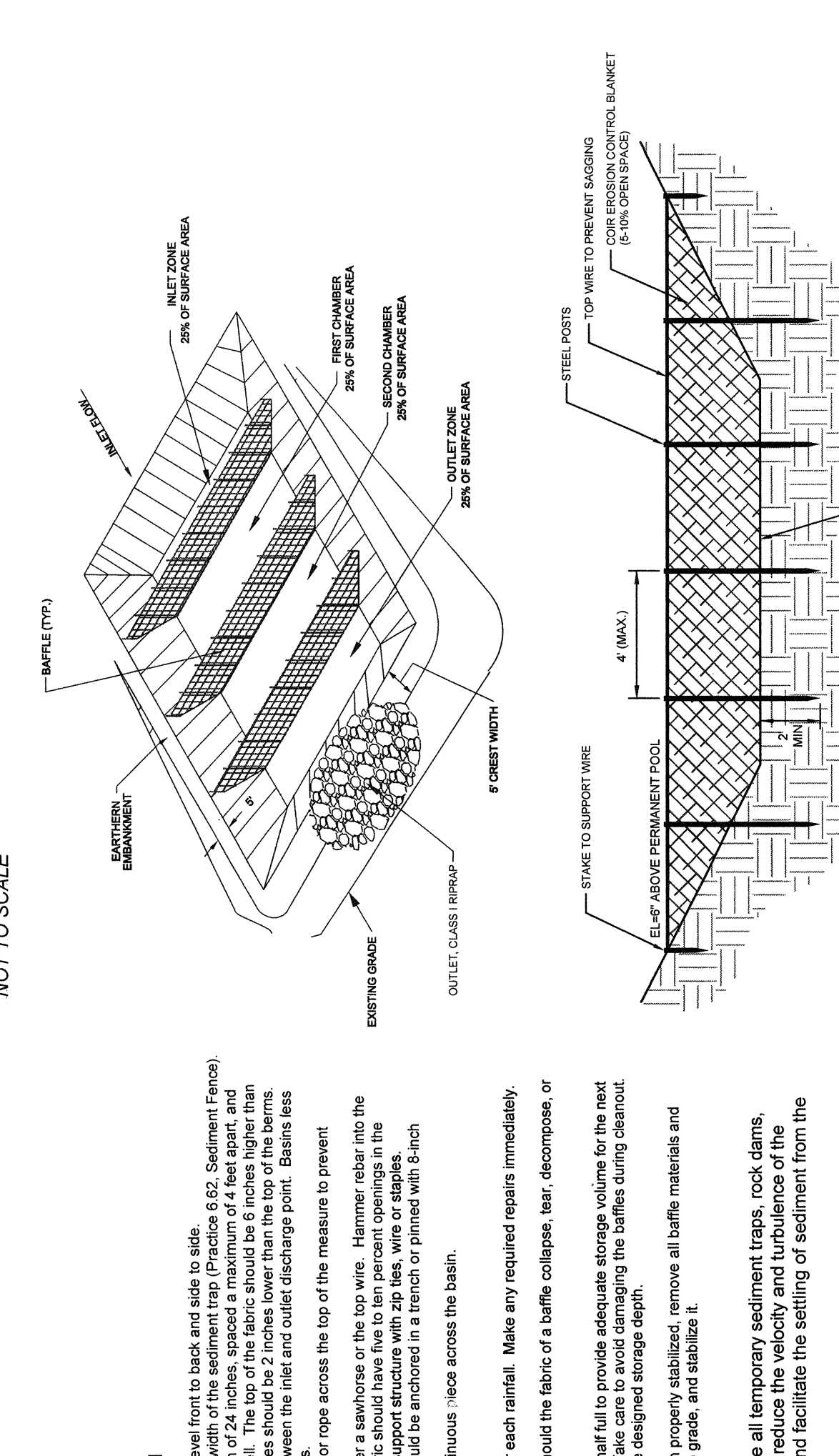
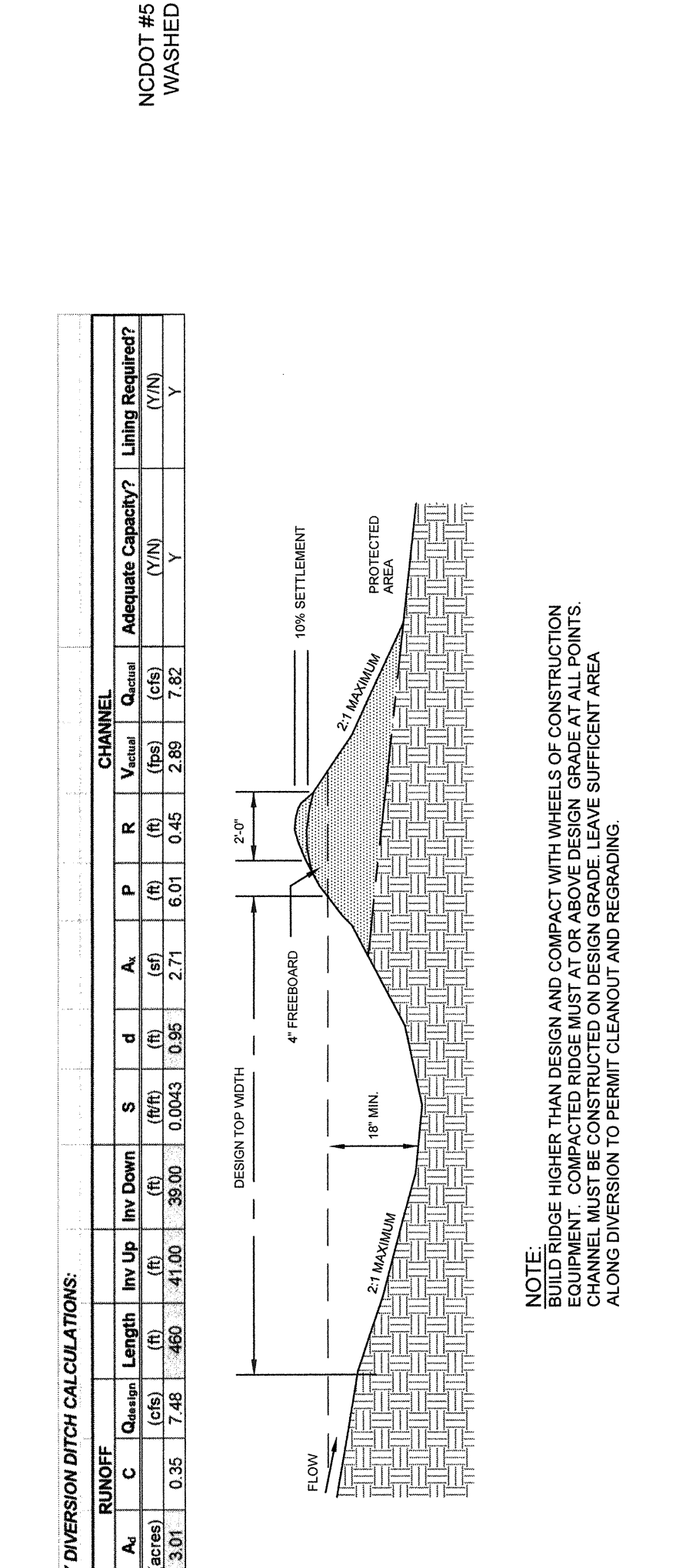
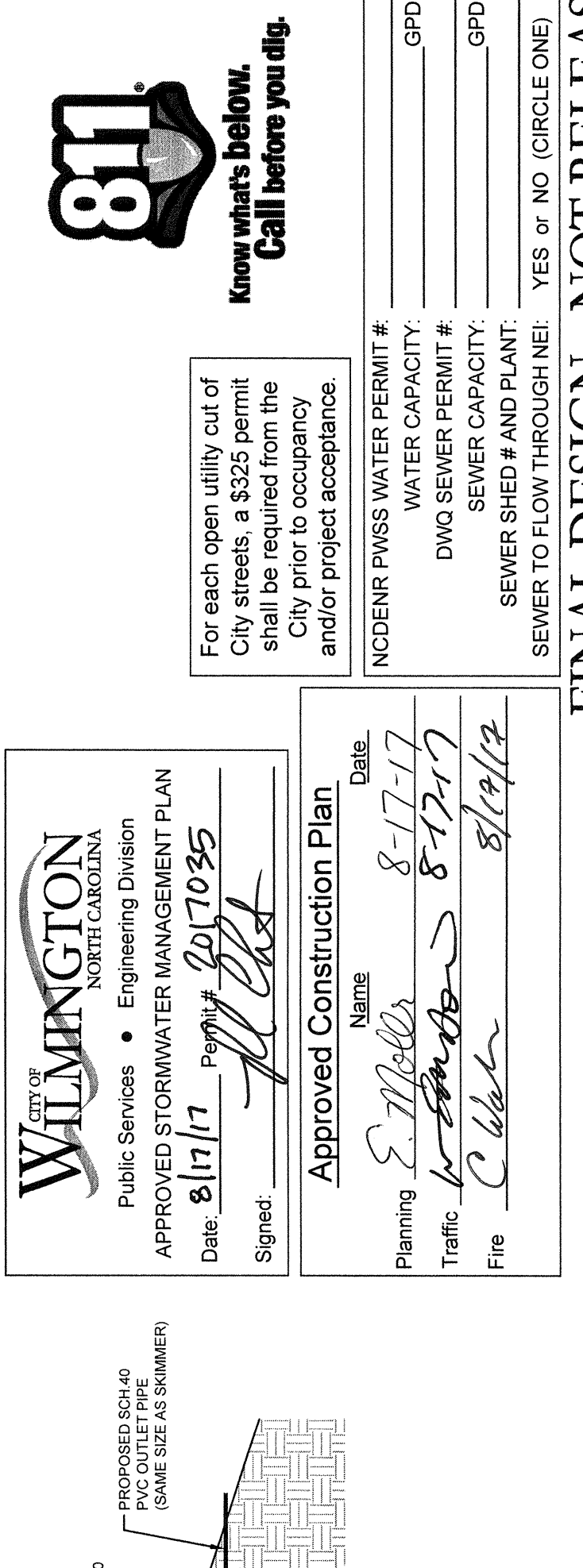
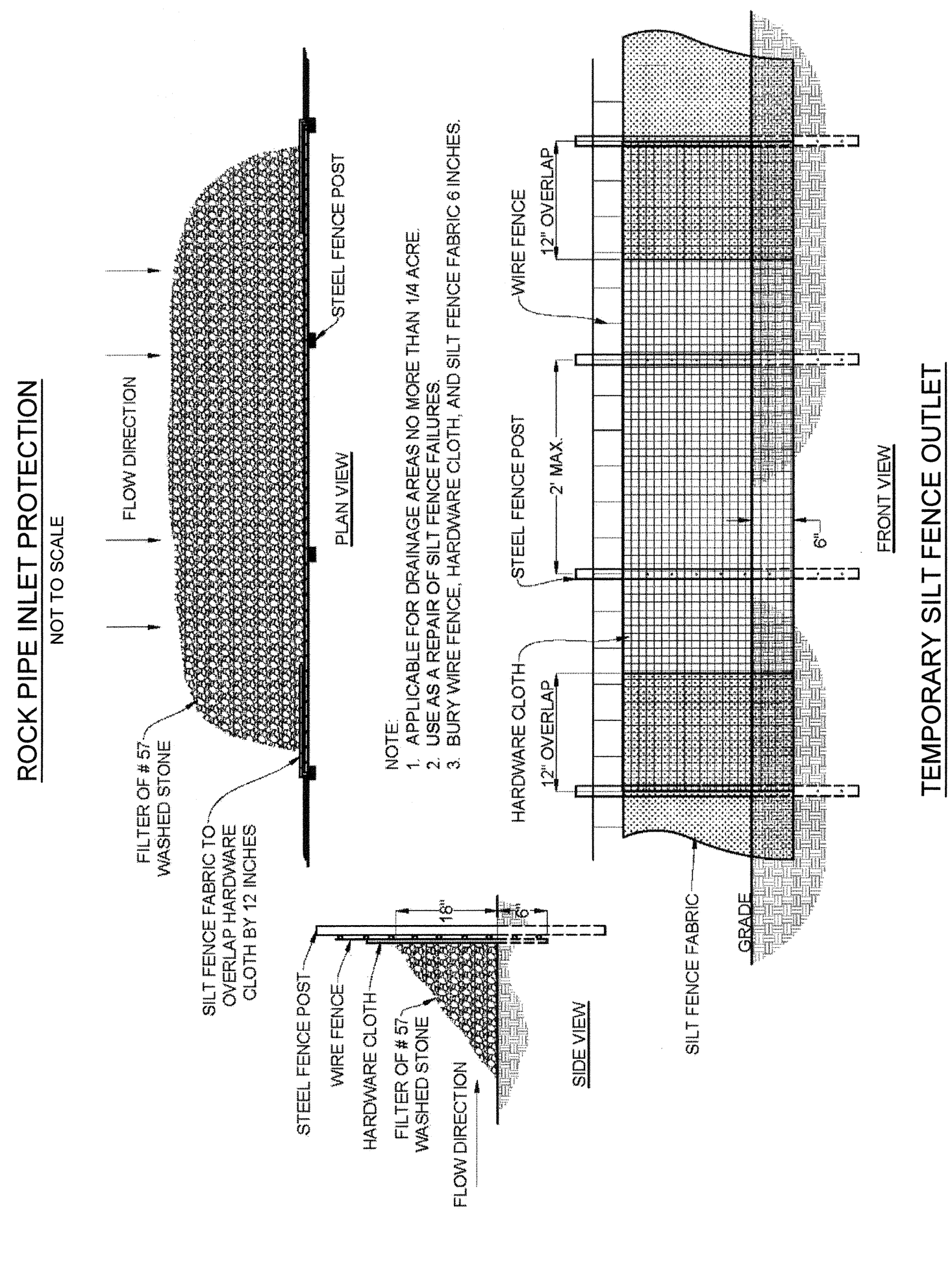
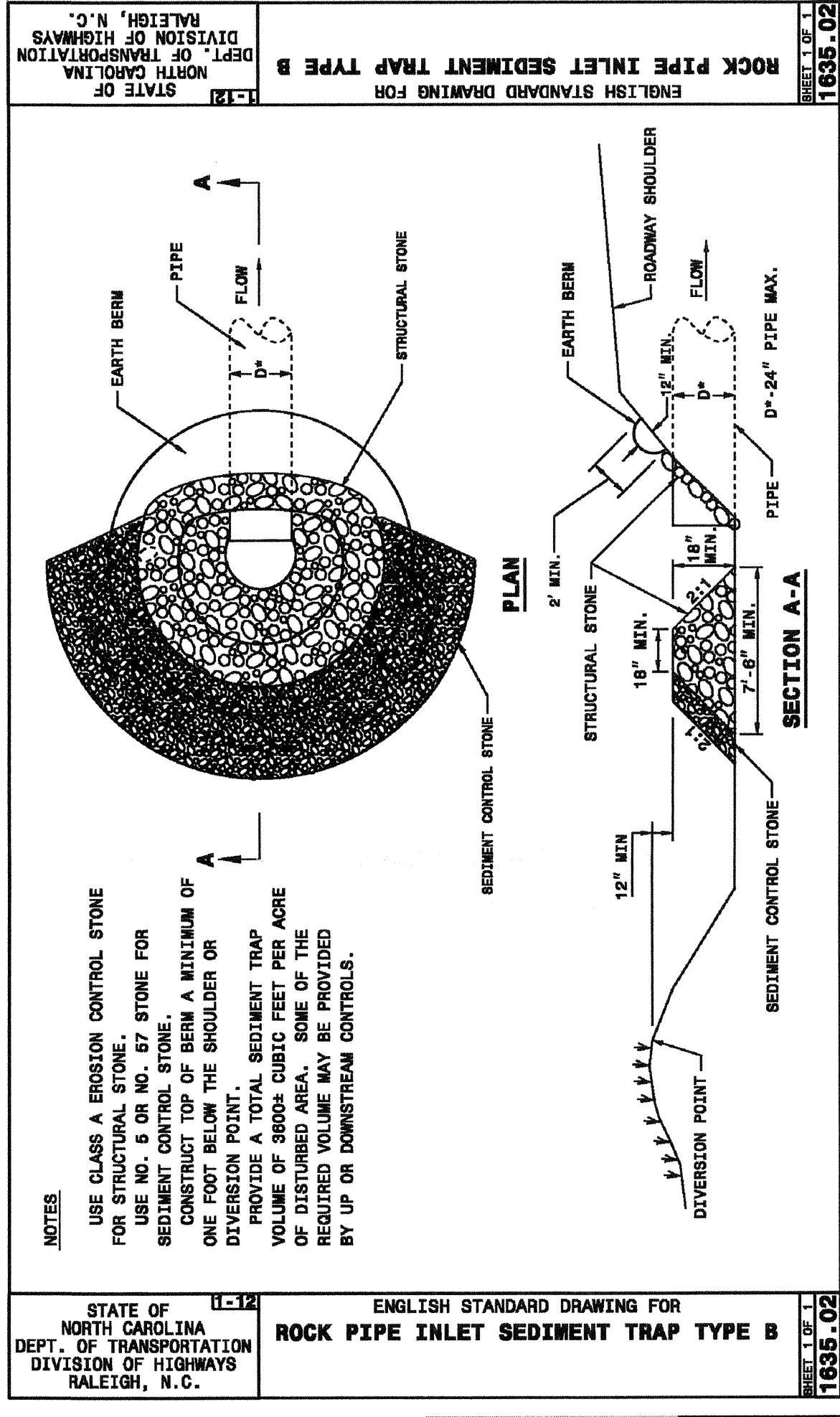
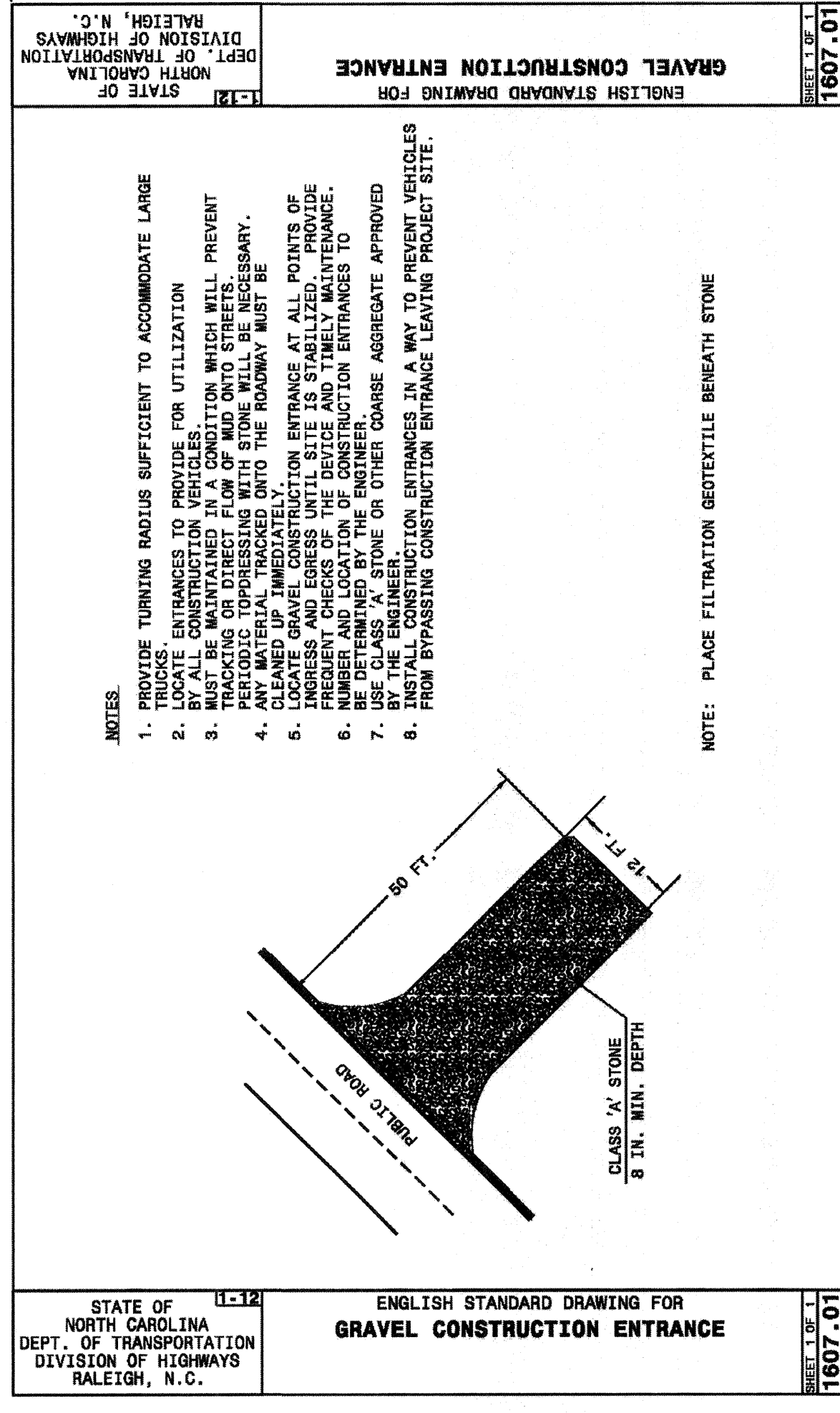
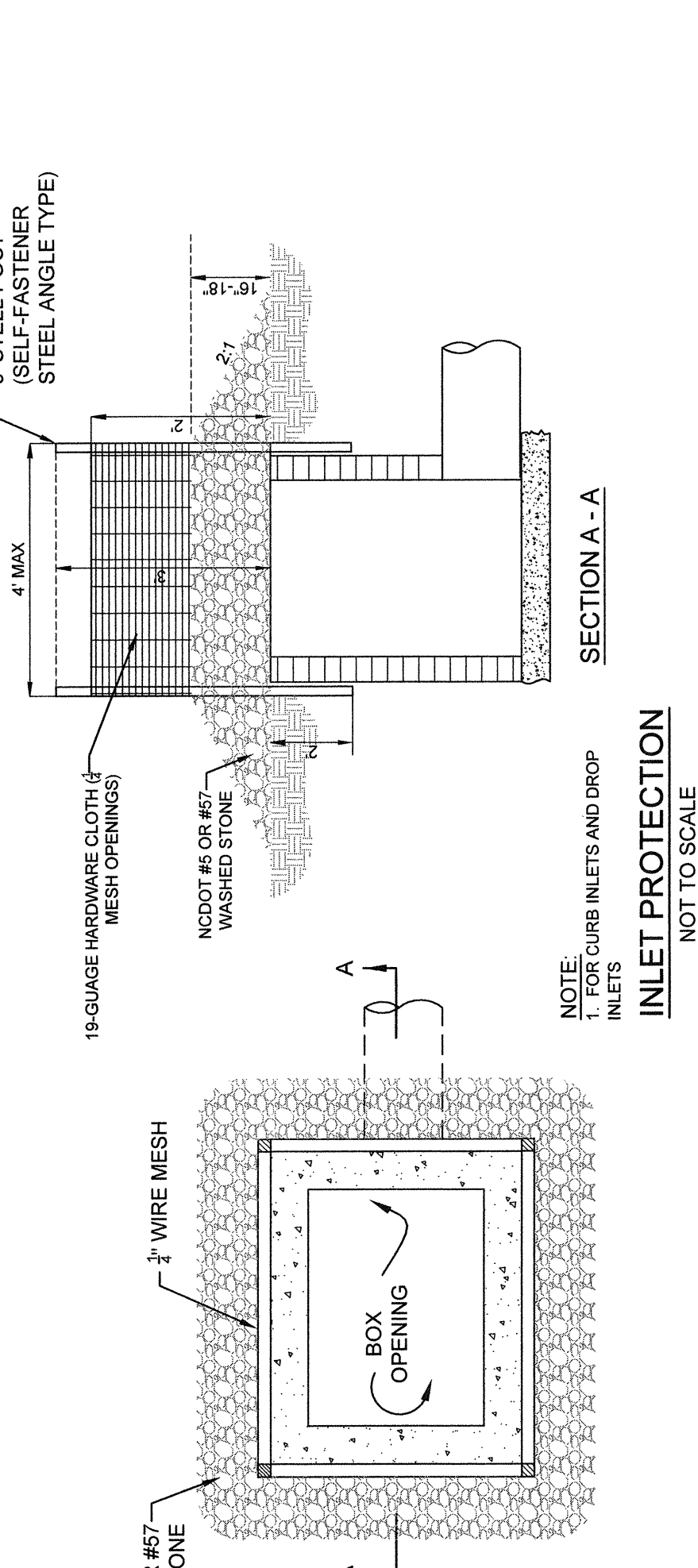
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CHECKED BY:	RFB		
REVISIONS	DATE	DESCRIPTION	BY
07 MAR 17	CHECKPOINT #1		
28 APR 17	100% DISTRIBUTION		

THE AUTO SUPERSTORE
GARMAX
1200 TUCKER GREEN PARKWAY, RICHMOND, VA 23238
800.747.6022
STORE NUMBER 6022
6030 MARKET STREET
WILMINGTON, NC 28405

PROJECT NO. 20-15081.02
DATE 25 APR 17
SHEET TITLE DETAILS

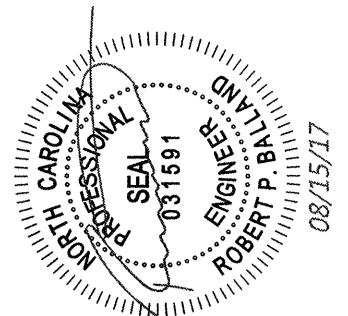
SHEET NO. C-5.1

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION



FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

**SFS/A
 SVC/FQC
 100%
 DISTRIBUTION**



RELEASED FOR CONSTRUCTION
 LATEST DATE: 04/17/2017 PCT-1008

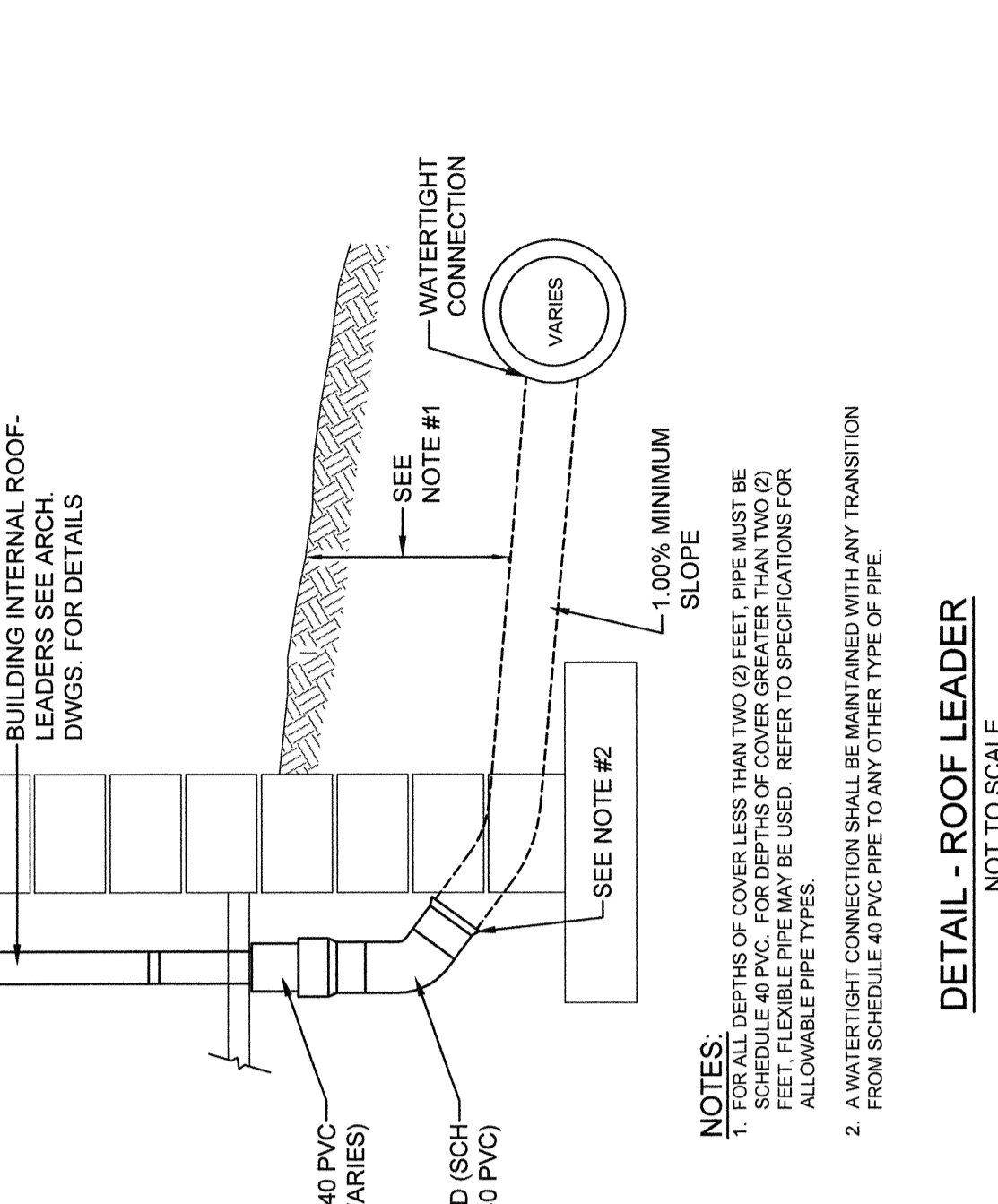
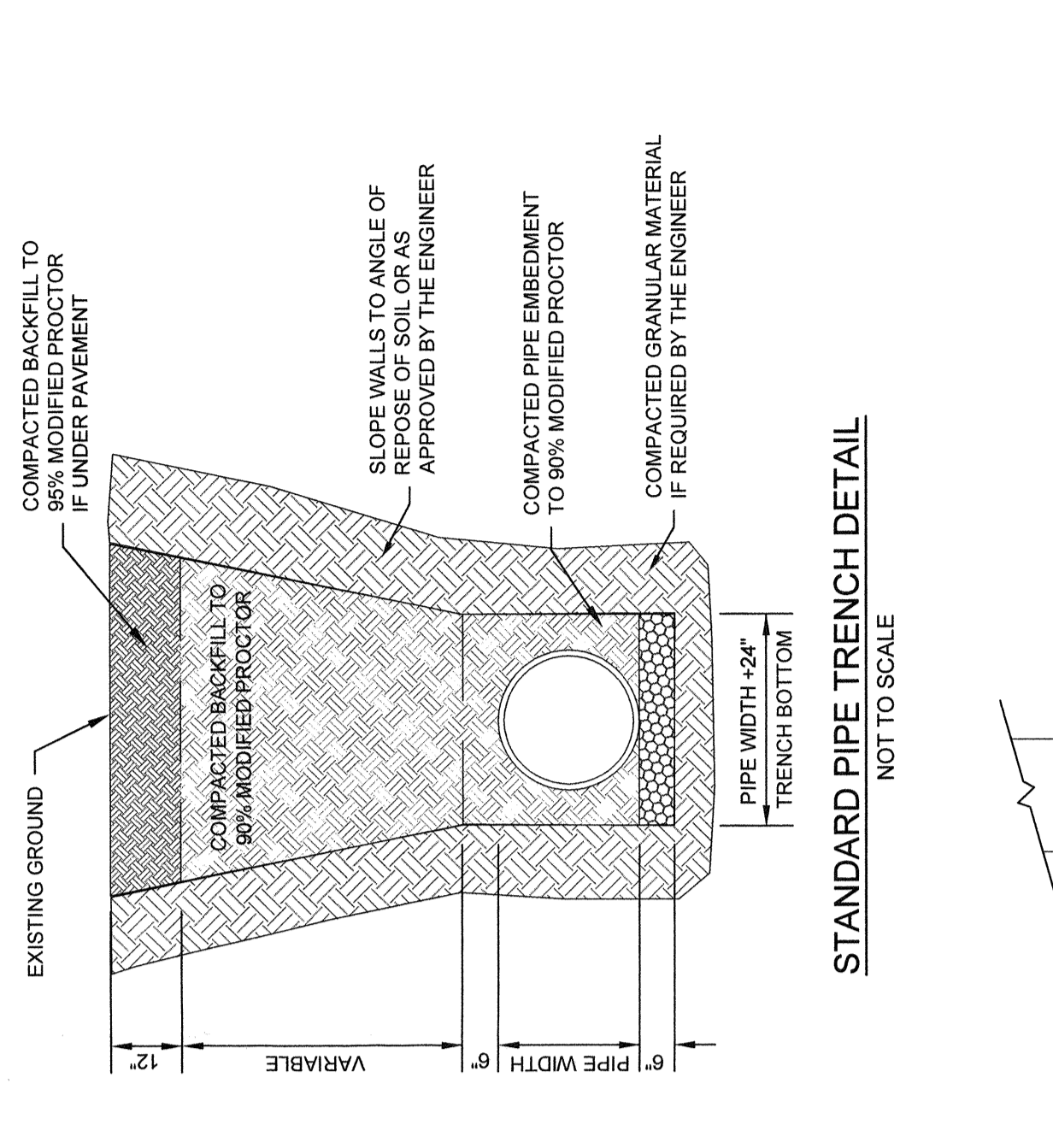
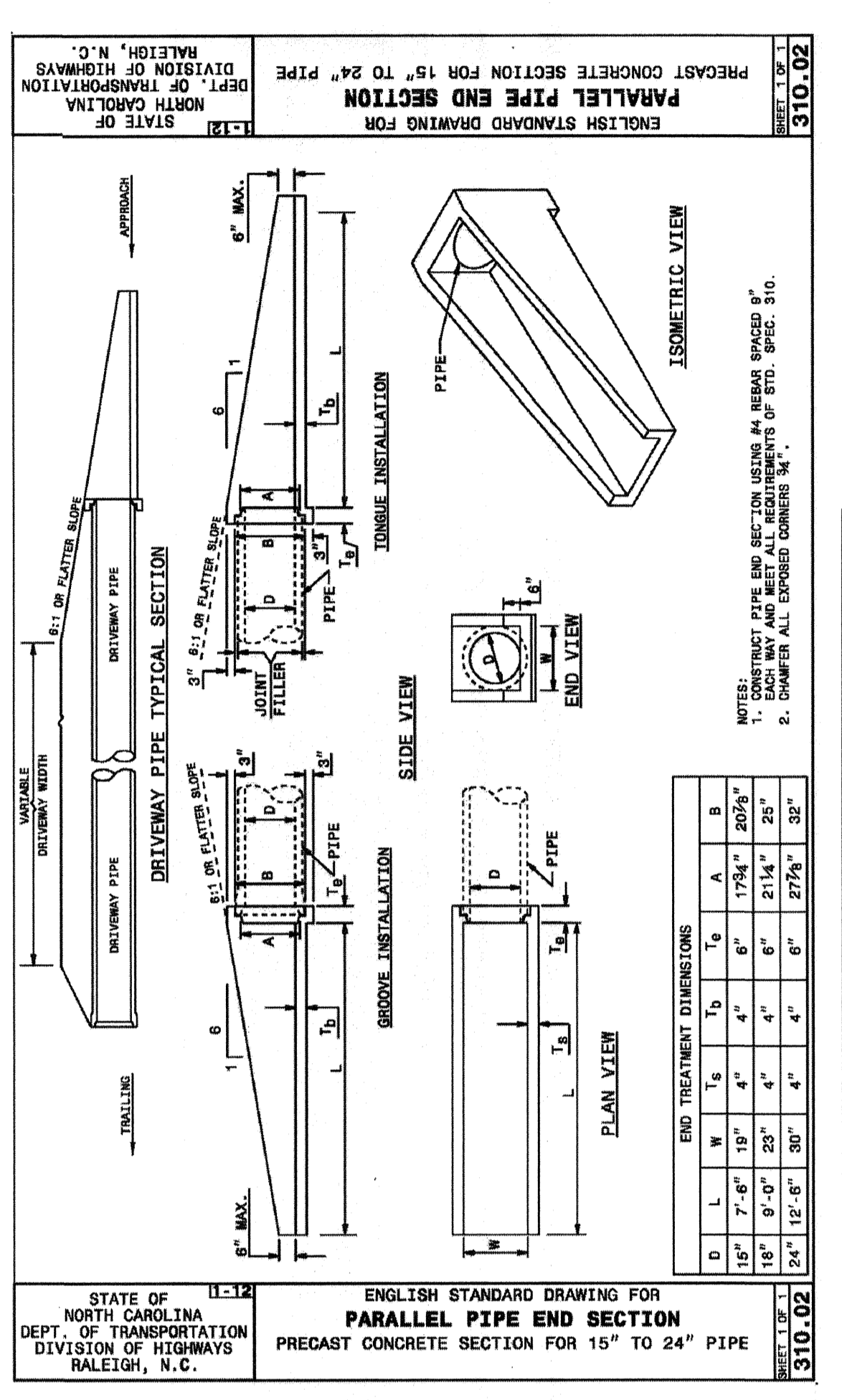
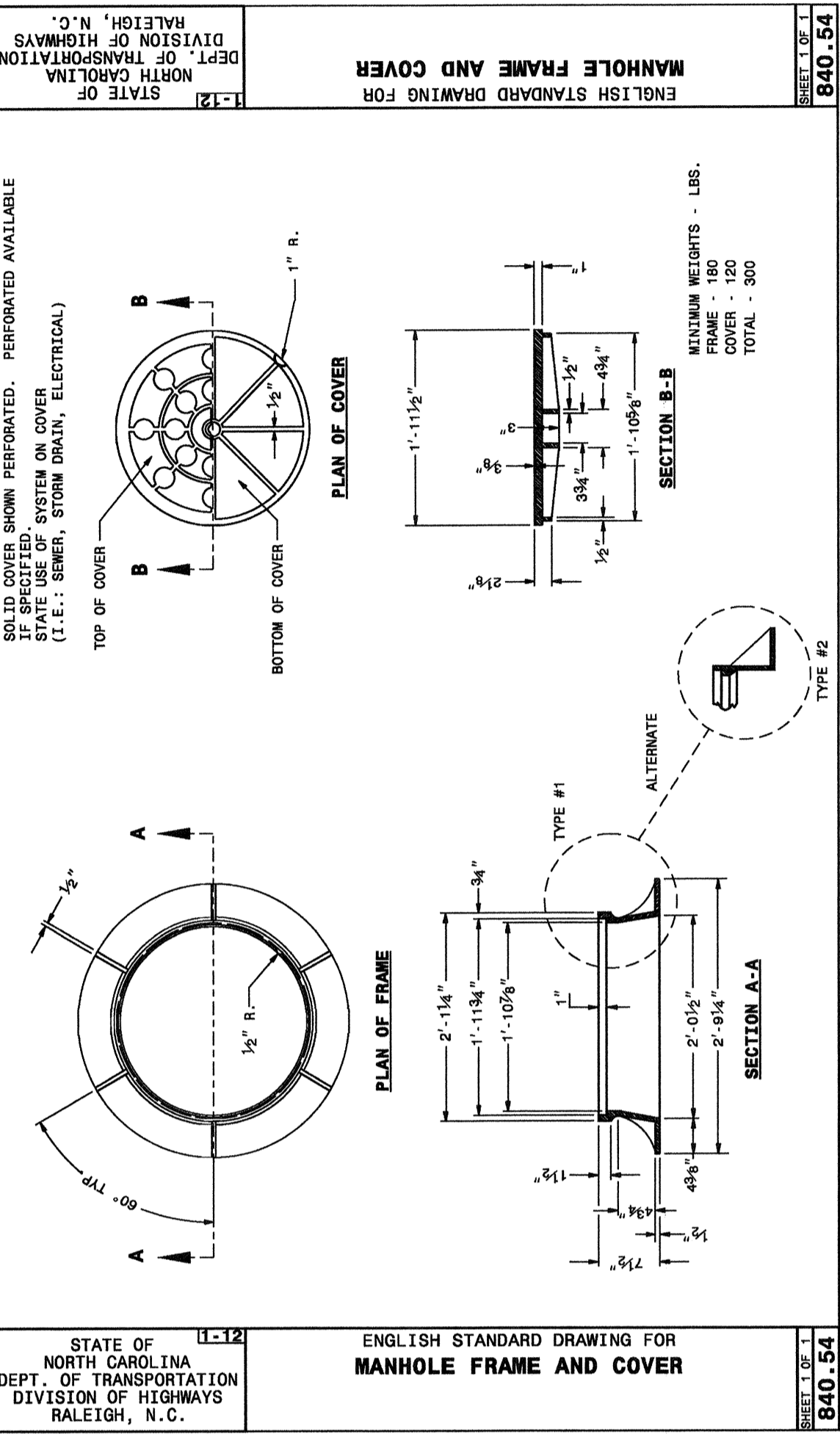
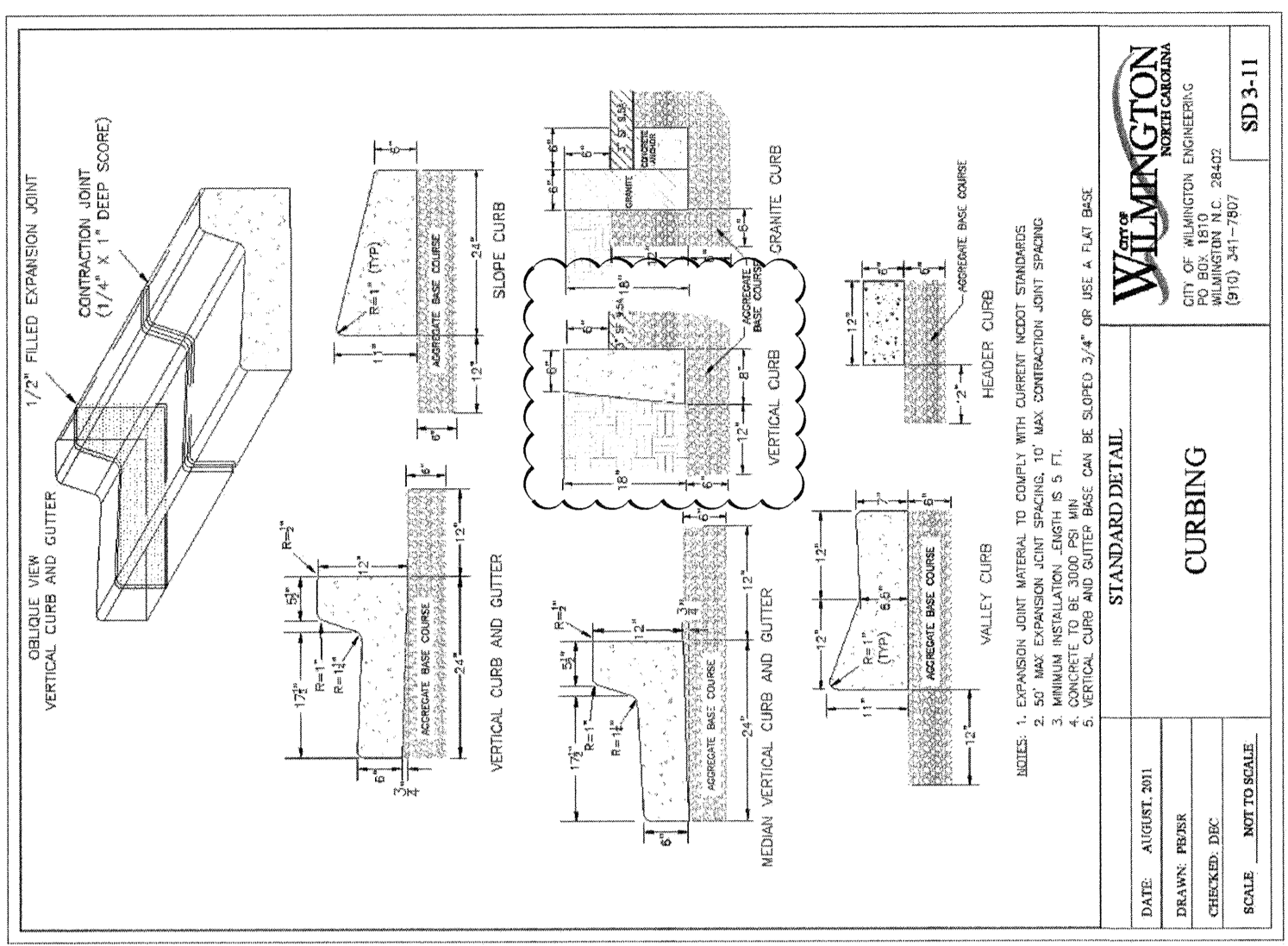
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CHECKED BY:	RFB		
REVISIONS	DATE	DESCRIPTION	BY
07 MAR 17	CHECKPOINT #1		
26 APR 17	100% DISTRIBUTION		

CARMAX
 THE AUTO SUPERSTORE
 6030 MARKET STREET
 WILMINGTON, NC 28405

PROJECT NO.: 20-15081.02
DATE: 25 APR 17
SHEET TITLE: DETAILS

SHEET NO.: C-5.2

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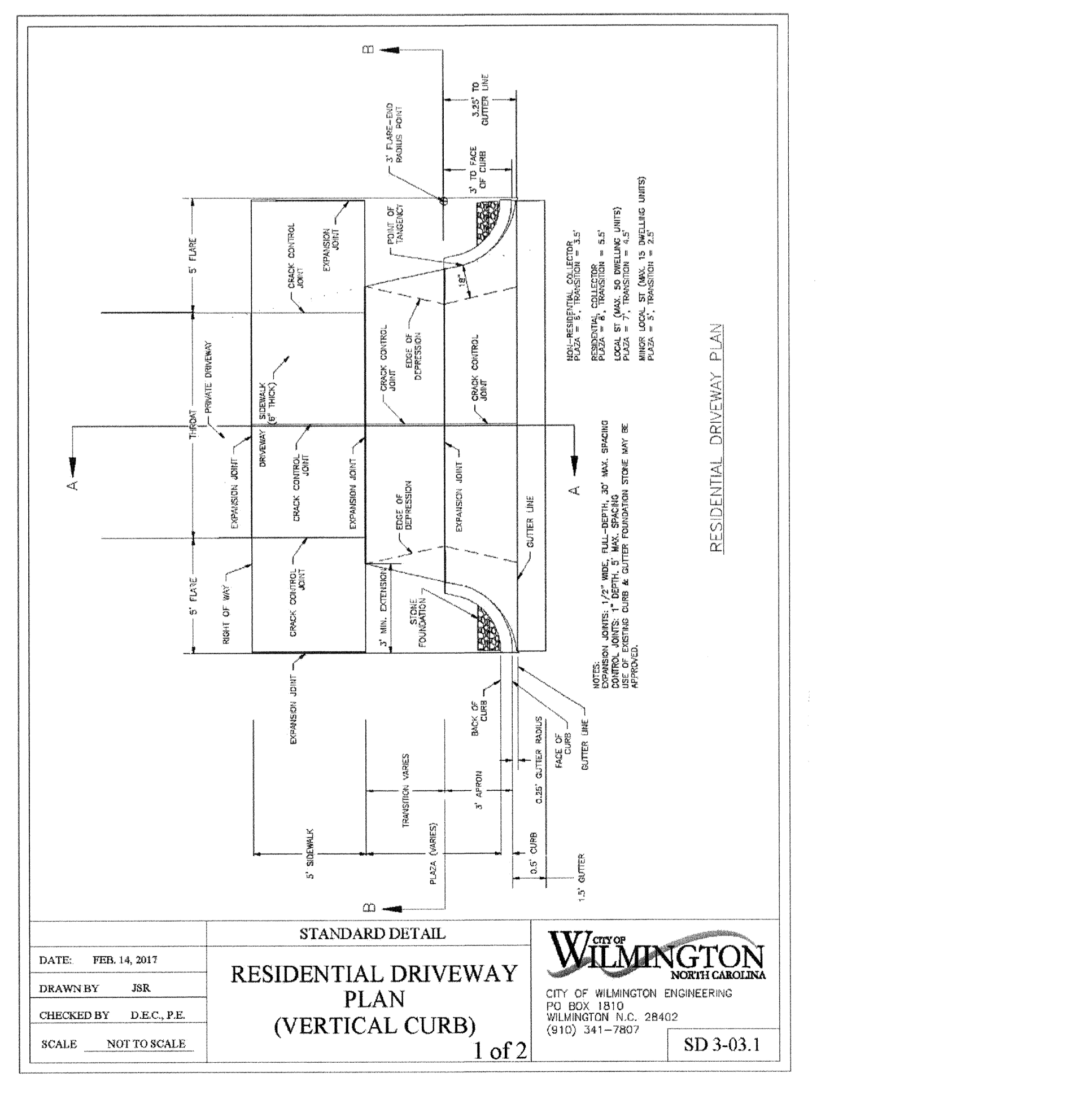
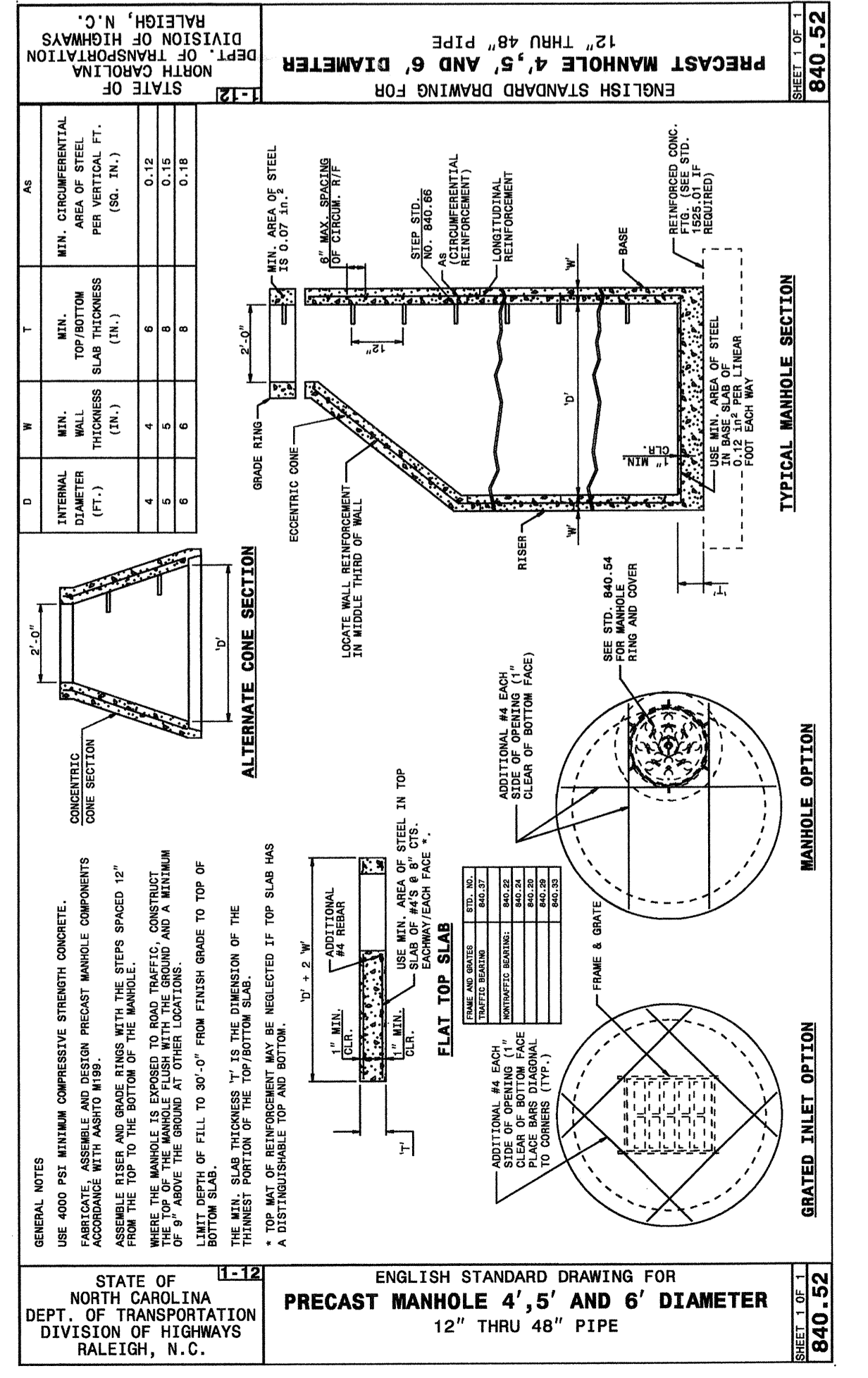
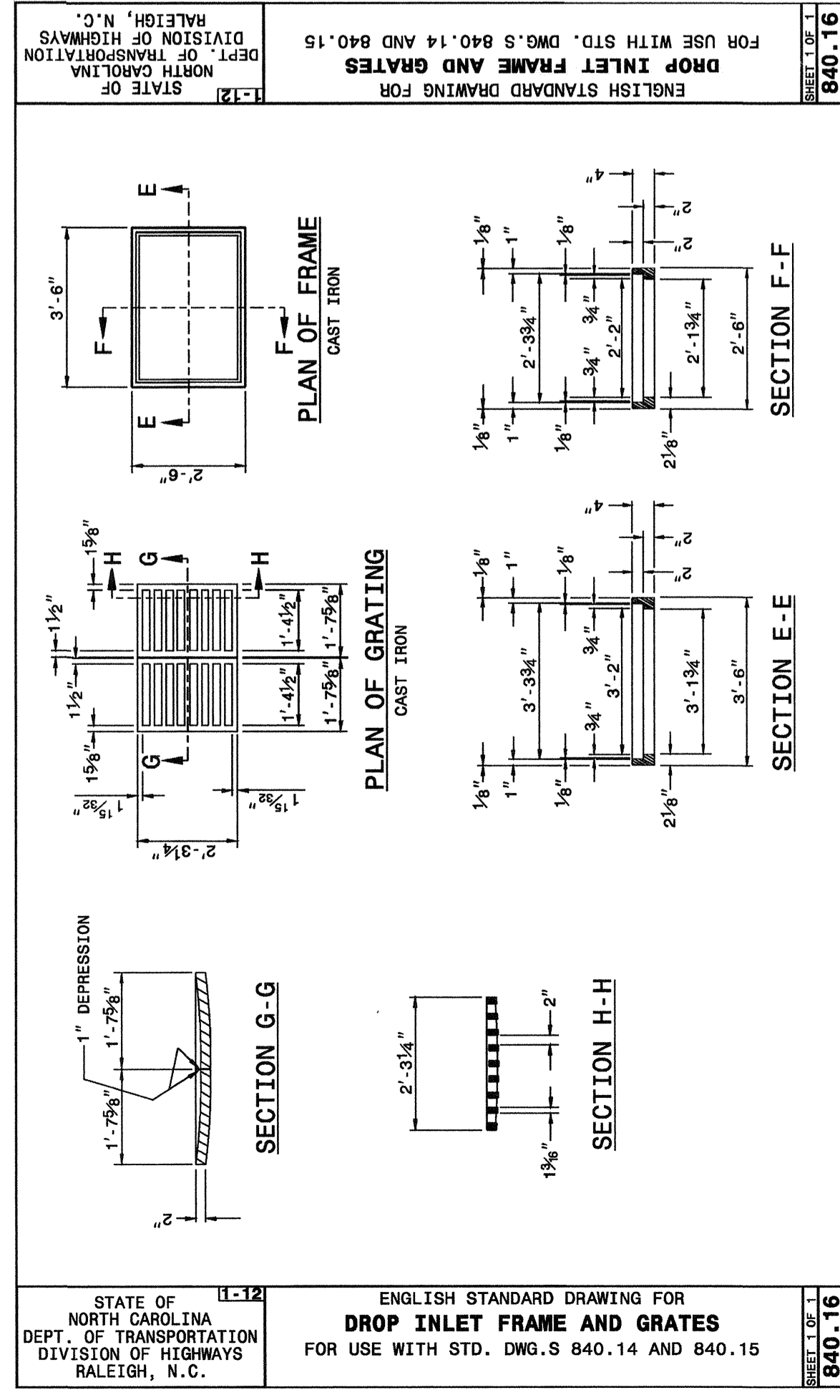
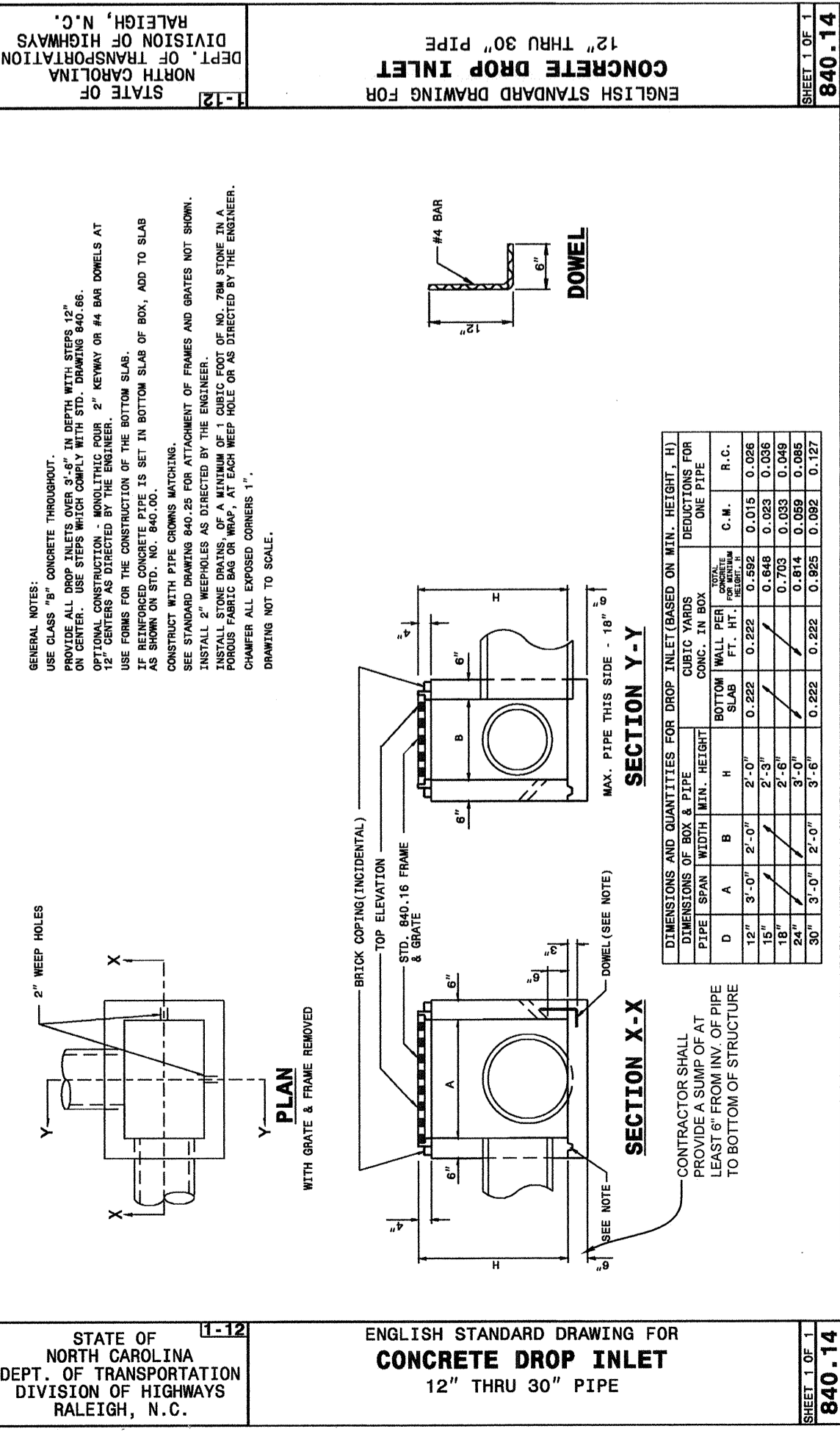
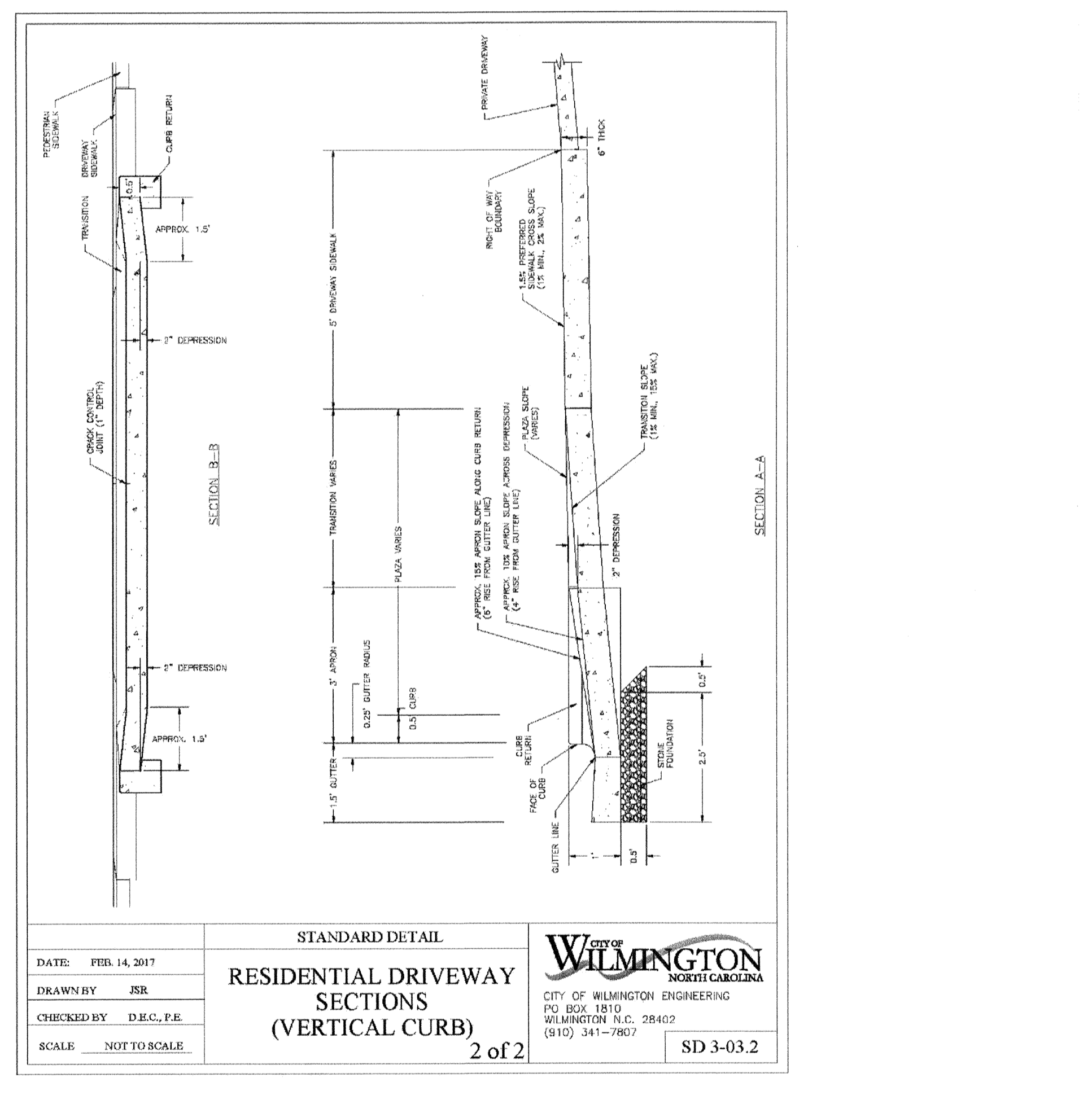
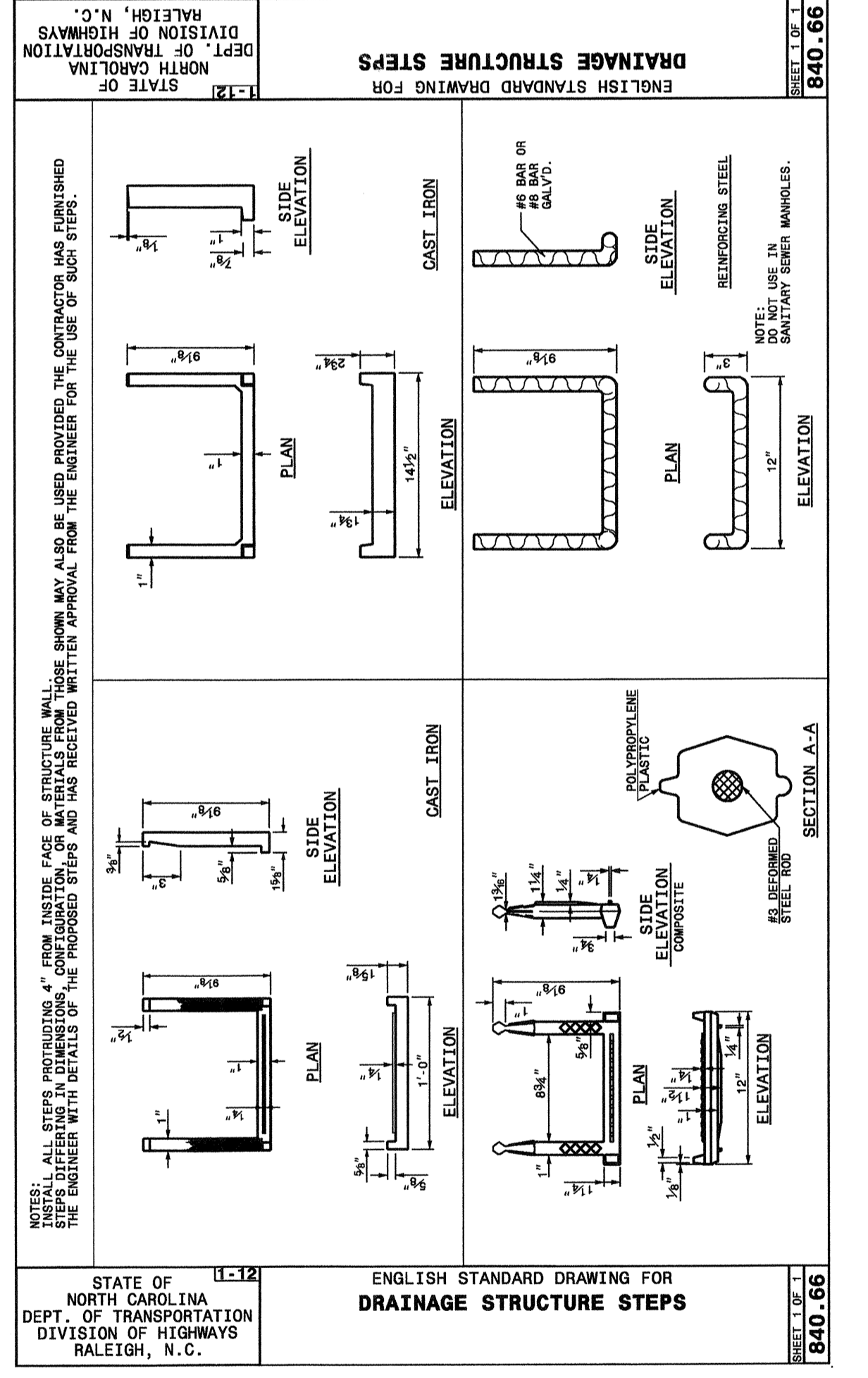
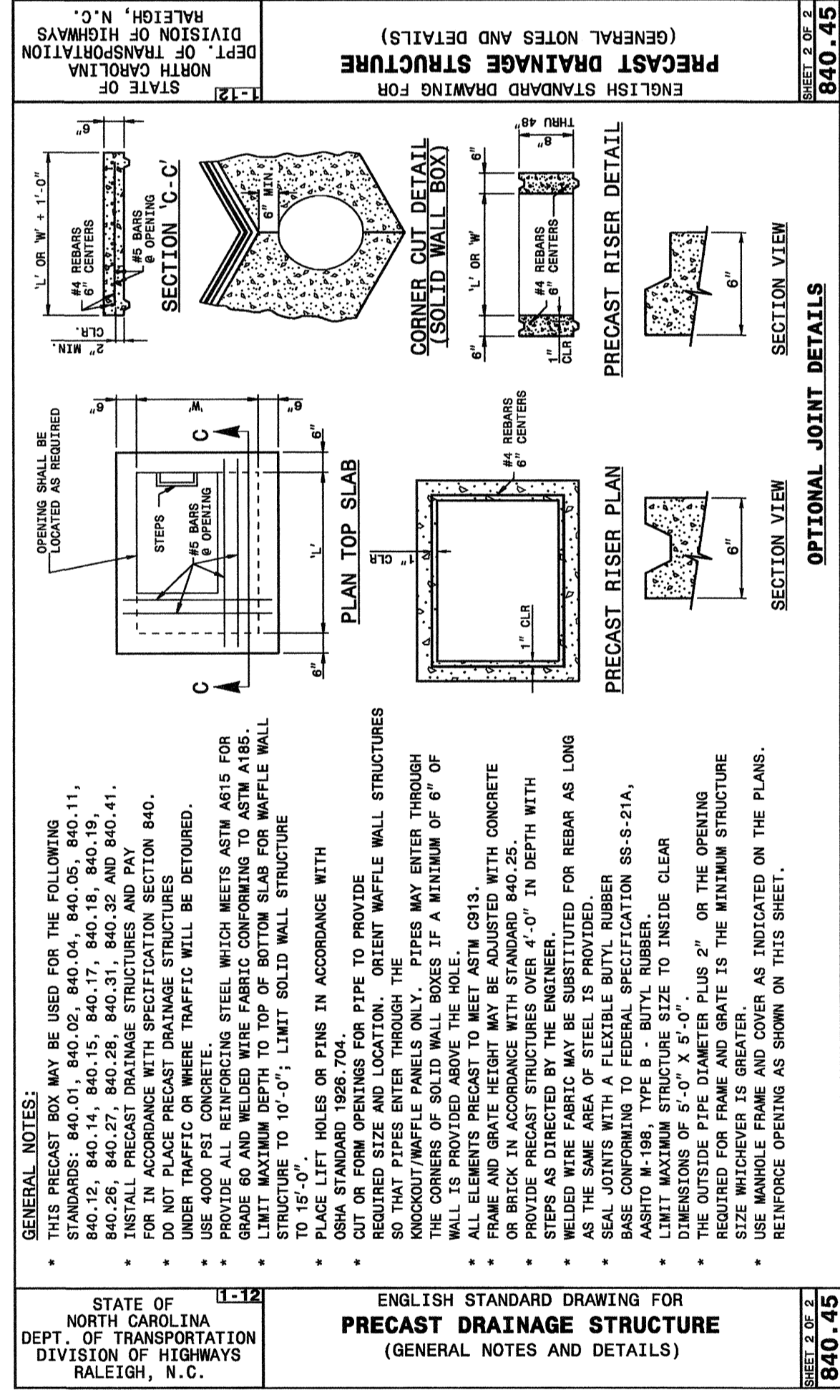
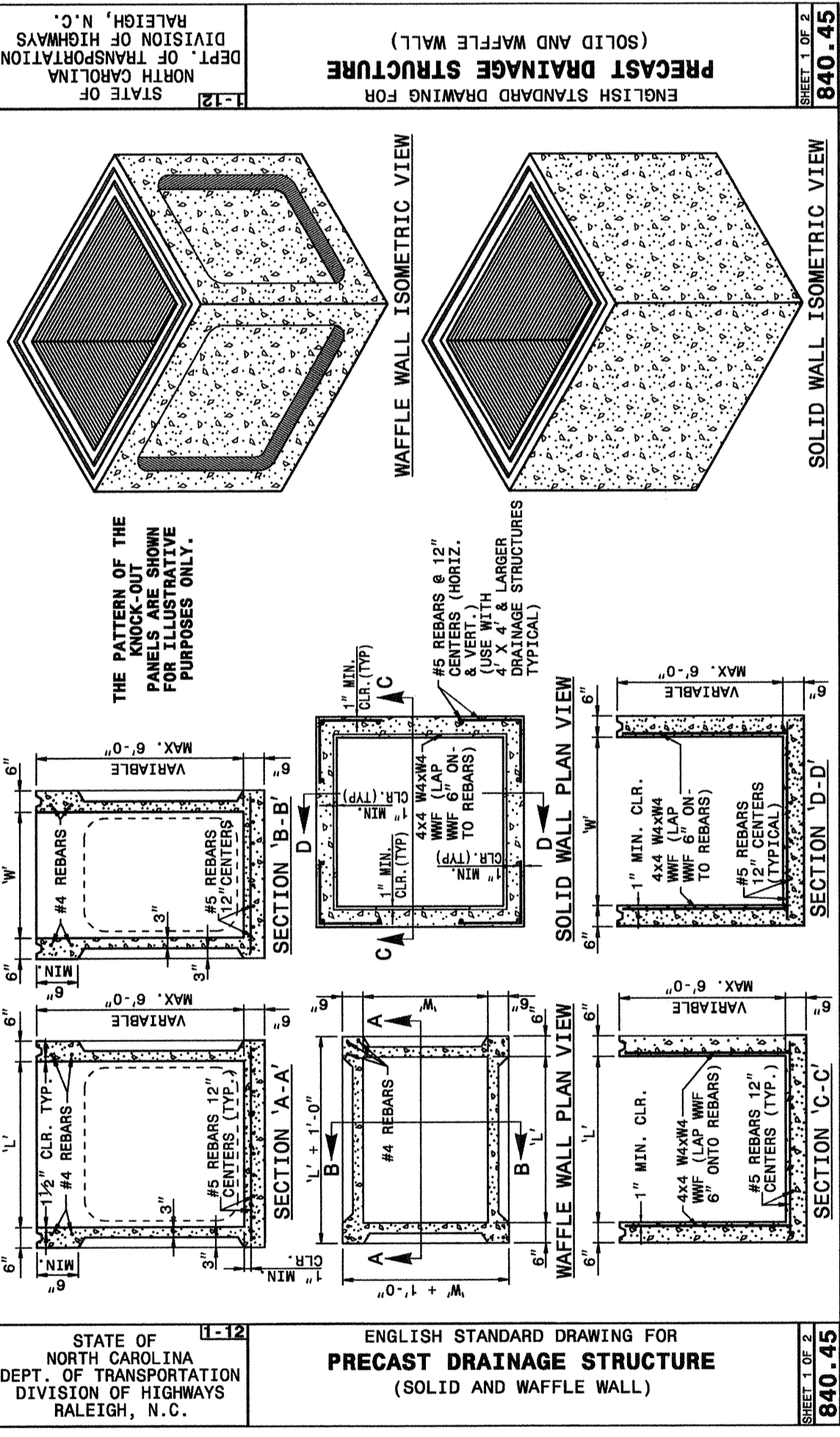


811
 Know what's below. Call before you dig.

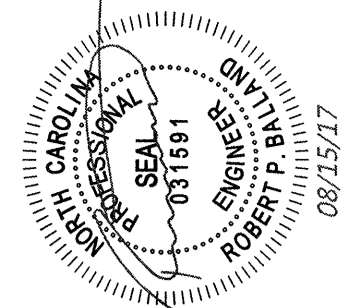
For each open utility cut of City streets, a \$225 permit shall be required from the City of Wilmington, NC, and/or project acceptance.

Approved Construction Plan
 Date: 8/17/17
 Name: [Signature]
 Title: [Signature]
 Planning: [Signature]
 Traffic: [Signature]
 Fire: [Signature]

NC DENR PASS WATER PERMIT # _____ GPD
 WATER CAPACITY: _____ GPD
 DWSO SEWER PERMIT # _____ GPD
 SEWER CAPACITY: _____ GPD
 SEWER SHED # AND PLAN: _____
 SEWER TO FLOW THROUGH: YES or NO (CIRCLE ONE)



SFS/A
SVC/FQC
100%
DISTRIBUTION



RELEASED FOR CONSTRUCTION
LATEST DATE: DA17-004 PCT17-006

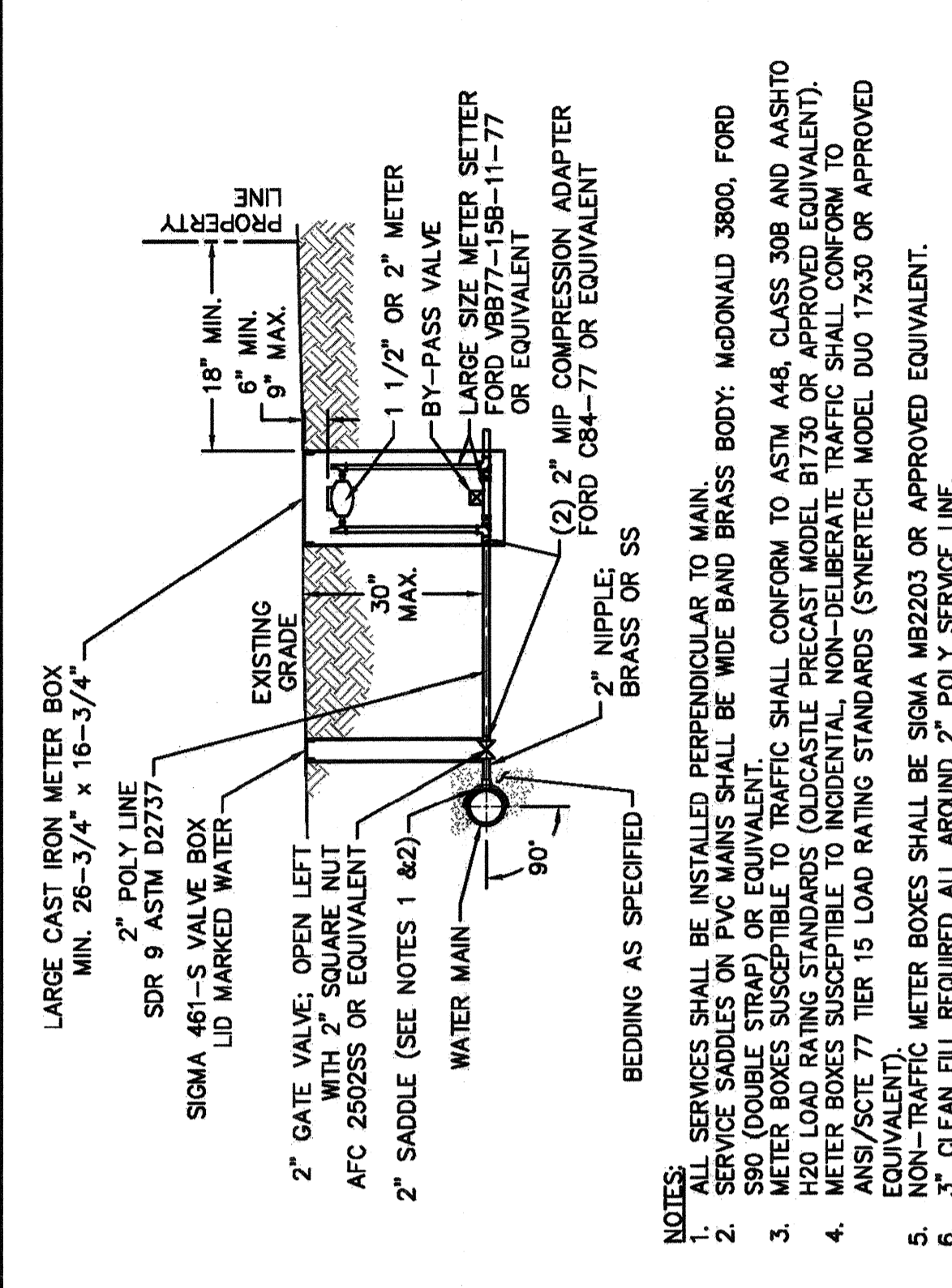
DRAWN BY: RPB
CHECKED BY: RPB

REVISIONS	DATE	DESCRIPTION	BY
07 MAR 17	CHECKPOINT #1		
11 APR 17	CHECKPOINT #2		
26 APR 17	100% DISTRIBUTION		

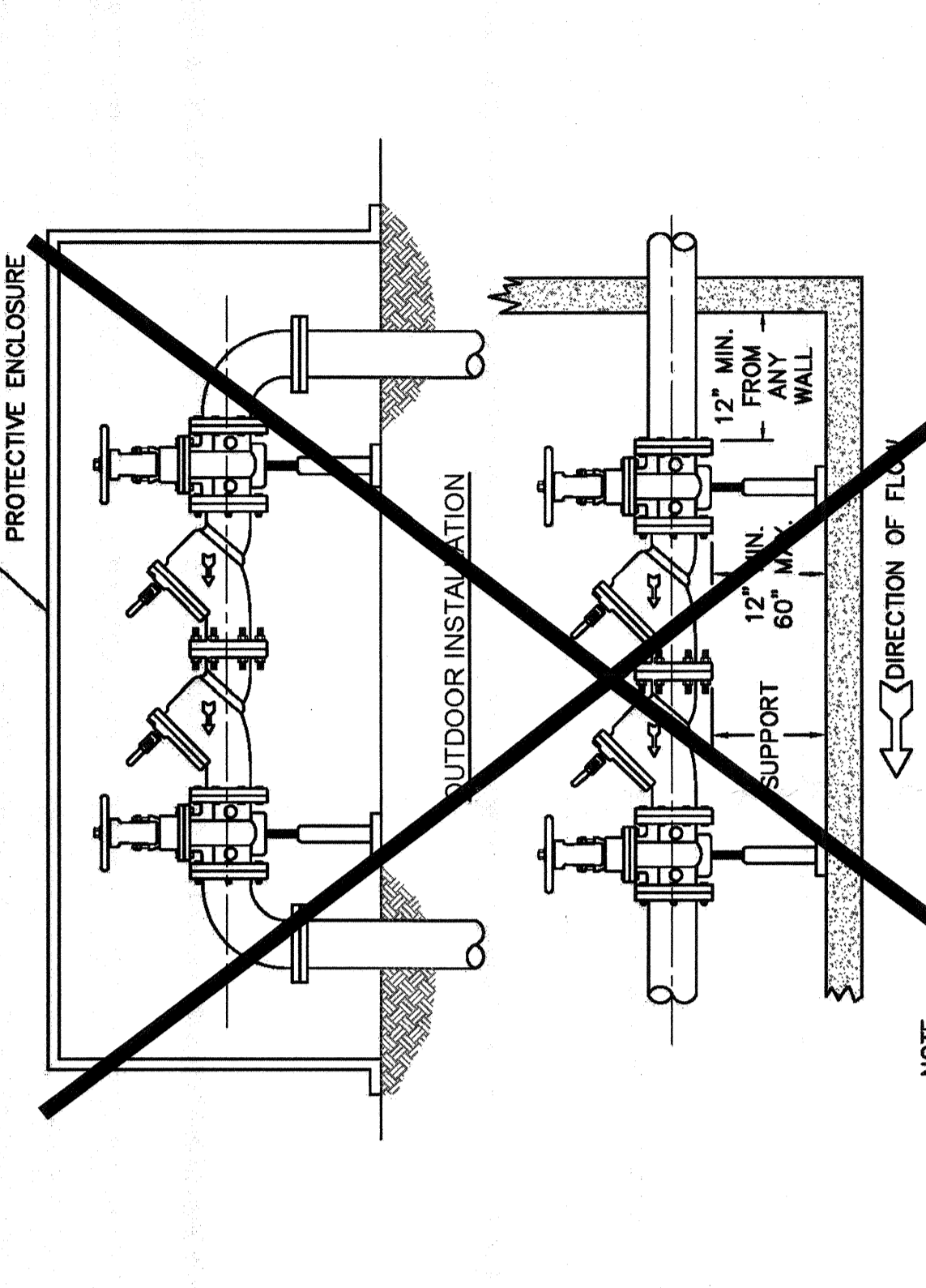
Carmax
THE AUTO SUPERSTORE
STORE NUMBER 6022
6030 MARKET STREET
WILMINGTON, NC 28405

PROJECT NO. 20-15081.02
DATE 25 APR 17
SHEET TITLE DETAILS

SHEET NO. C-5.3



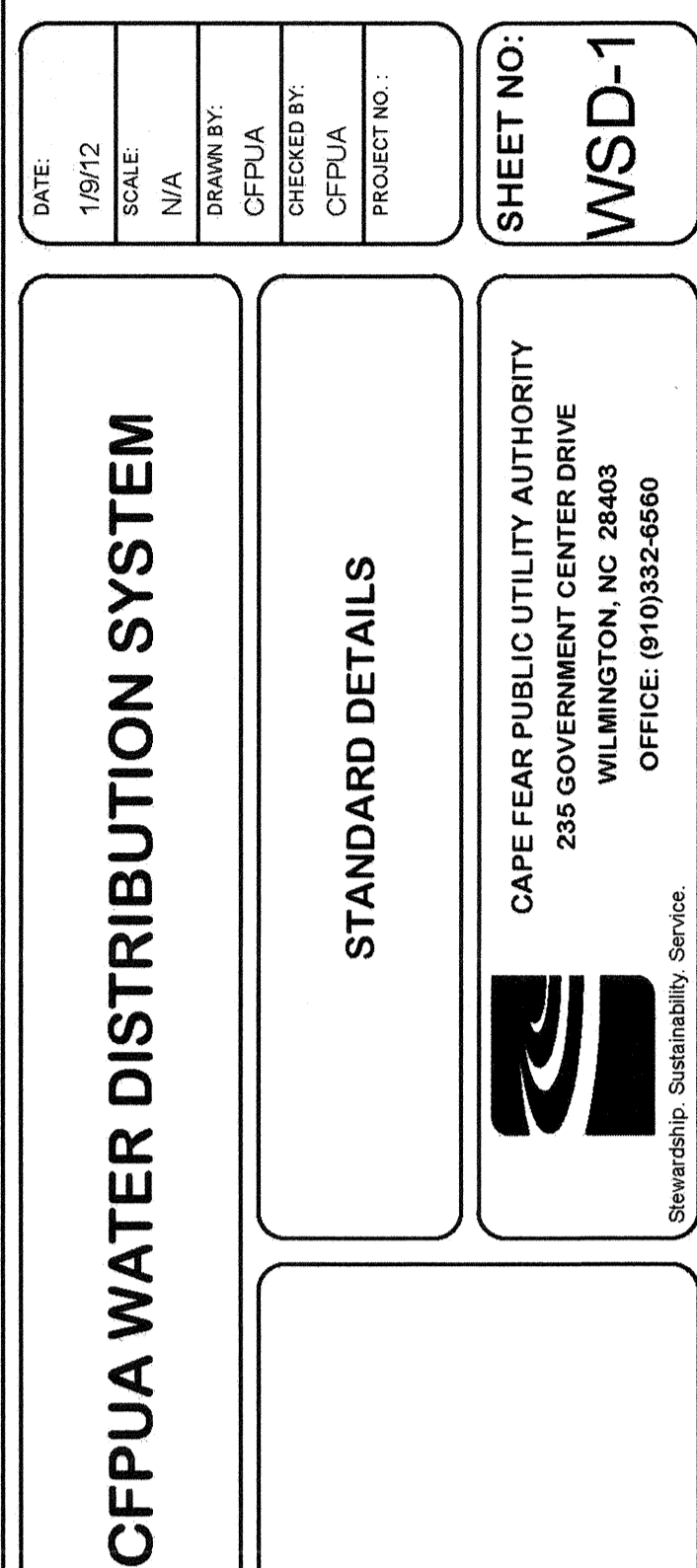
LARGE METER
WD-11
NOT TO SCALE
FOR 1-1/2" OR 2" WATER SERVICES



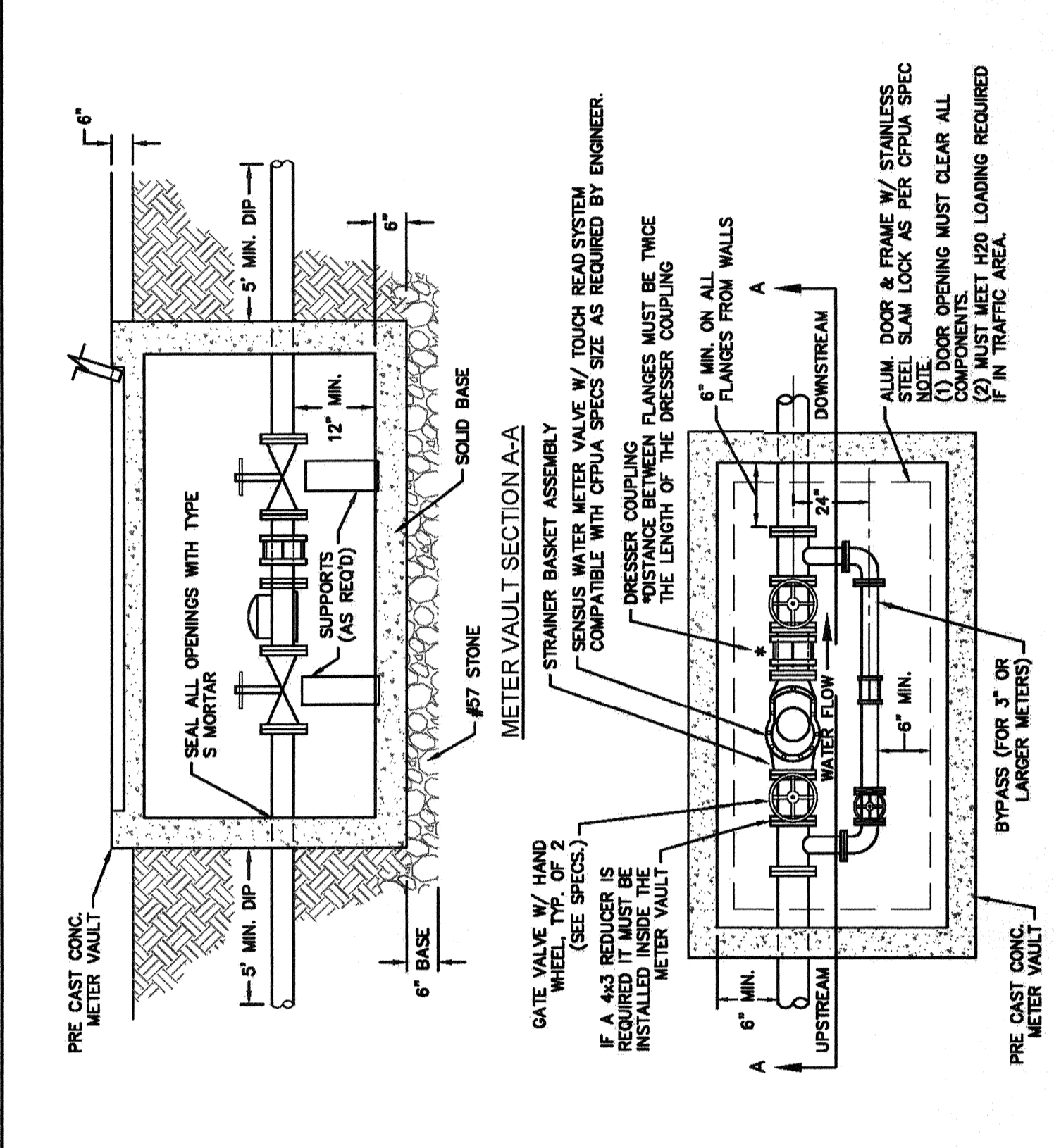
DOUBLE CHECK VALVE ASSEMBLY
WD-7
NOT TO SCALE

GENERAL NOTES:
1. ALL SERVICES SHALL BE INSTALLED PERPENDICULAR TO MAIN.
2. METER BOXES SHALL BE WIDE BAND BRASS BODY: McDONALD 3800, FORD S80 (DOUBLE STRAP) OR EQUIVALENT.
3. METER BOXES SUSCEPTIBLE TO TRAFFIC SHALL CONFORM TO ASTM A48, CLASS 30B AND AASHTO H20 LOAD RATING STANDARDS (DUCASTLE PRECAST MODEL B1730 OR APPROVED EQUIVALENT).
4. ANS/ASSE 77 TIER 15 LOAD RATING STANDARDS (SYNERTECH MODEL DUO 17430 OR APPROVED EQUIVALENT).
5. NON-TRAFFIC METER BOXES SHALL BE SIGMA MB2203 OR APPROVED EQUIVALENT.
6. 3" CLEAN FILL REQUIRED ALL AROUND 2" POLY SERVICE LINE.

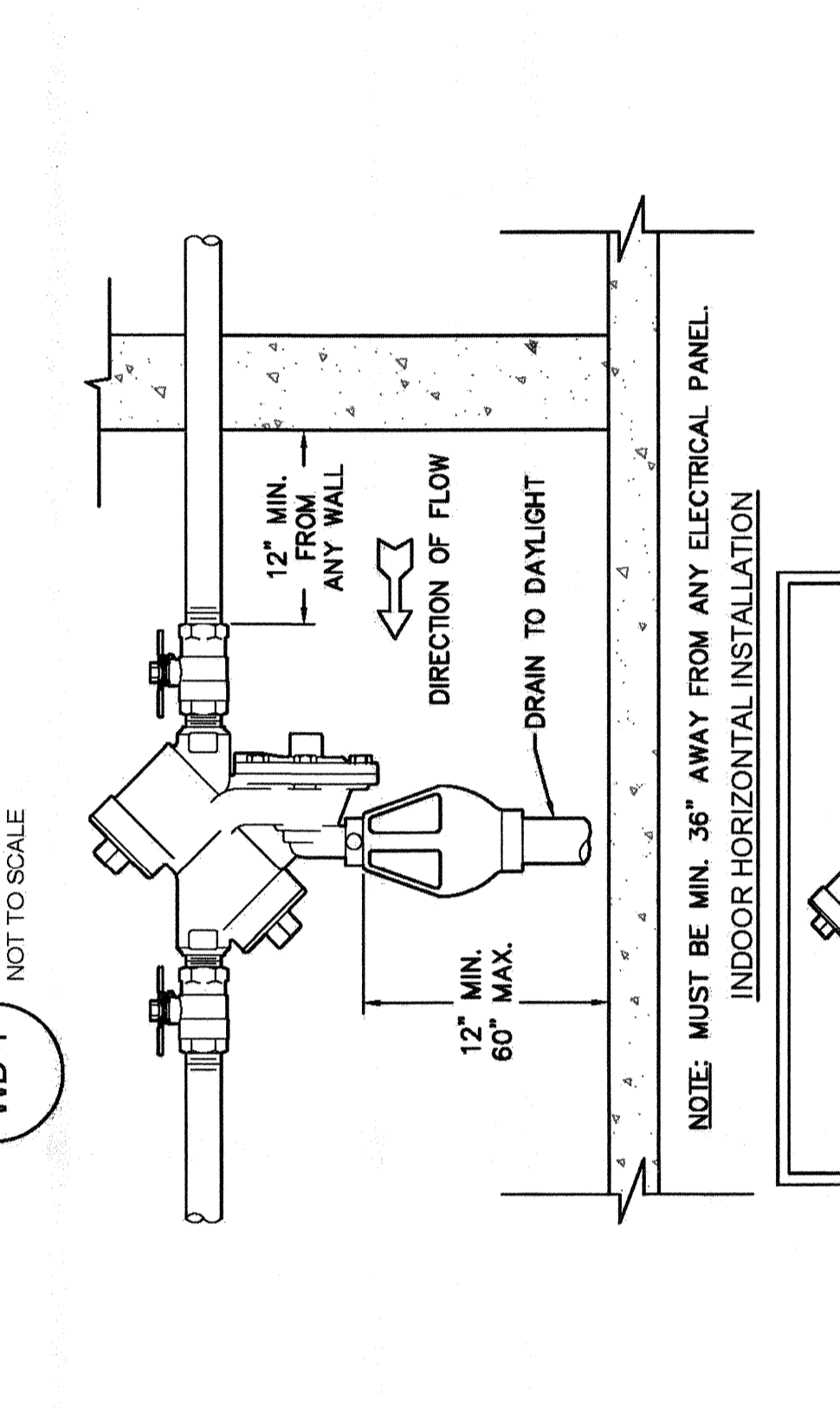
THE DETAILS SHOWN HEREON SUPERCEDE CFPWA WRITTEN TECHNICAL SPECIFICATIONS VERSIONS 1.00 - 1.04. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR A 10" WATTS 957 REDUCED PRESSURE DETECTOR ASSEMBLY WITH A HEATED ENCLOSURE AND TAMPER SWITCHES ON VALVES FOR PROPOSED FIRE SERVICE.



REDUCED PRESSURE PRINCIPLE ASSEMBLY
WD-12
NOT TO SCALE



WATER METER VAULT
WD-1
NOT TO SCALE
FOR WATER METERS LARGER THAN 2"



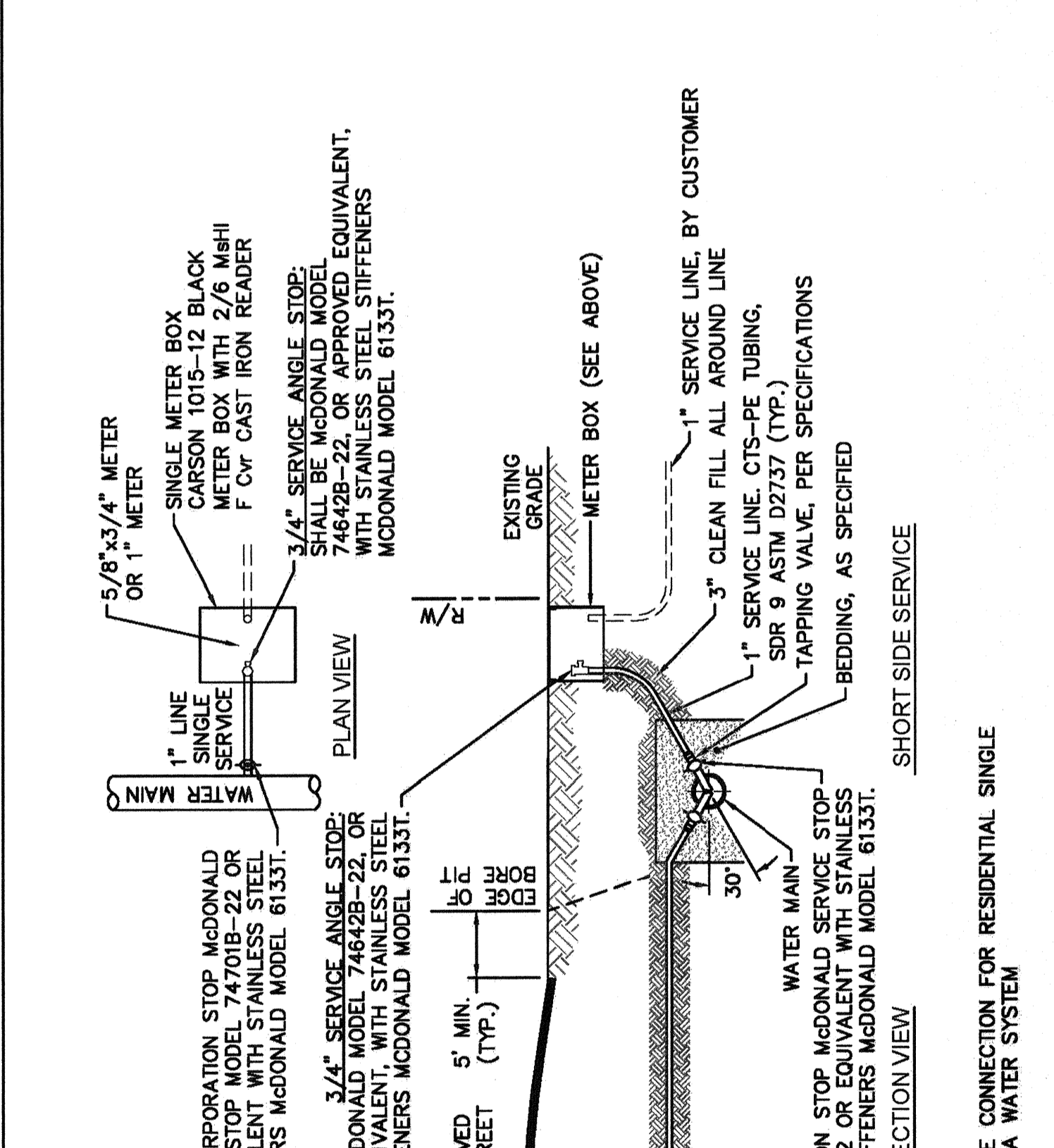
FIRE HYDRANT ASSEMBLY
WD-10
NOT TO SCALE

NOTES:
1. SEWER CHARGES REQUIRED AT ALL MANHOLES UNLESS STAINLESS STEEL CHARGES REQUIRED AT MANHOLES LOCATED IN TRAFFIC AREAS.
2. WATER AND SEWER SERVICES SHALL BE PERPENDICULAR TO PROPERTY LINE UNLESS OTHERWISE SHOWN OTHERWISE. SERVICES IN CURB-DE-SIGNS ARE REQUIRED TO BE PERPENDICULAR, OR MUST ORIGINATE IN END OF LINE MANHOLE AND TERMINATE AT RIGHT-OF-WAYS LINE. ALL SERVICES SHALL BE CONSTRUCTED OF CLASS 90, D.P. WITH PROTECTO 401 CERAMIC EPOXY LINING.
3. MINIMUM UTILITY EASEMENT PROVIDED ALONG THE PERIPHERY OF ALL LOTS AND AS SHOWN FOR AEN DEVELOPMENTS.
4. NO FLEXIBLE COUPLINGS SHALL BE USED.
5. ALL STEEL SERVICES SHALL BE A MINIMUM OF 1/2" FEET FROM ALL PROPERTY CORNERS. WATER METER BOXES ARE TO BE A MINIMUM OF 5 FEET FROM THE PROPERTY CORNER.

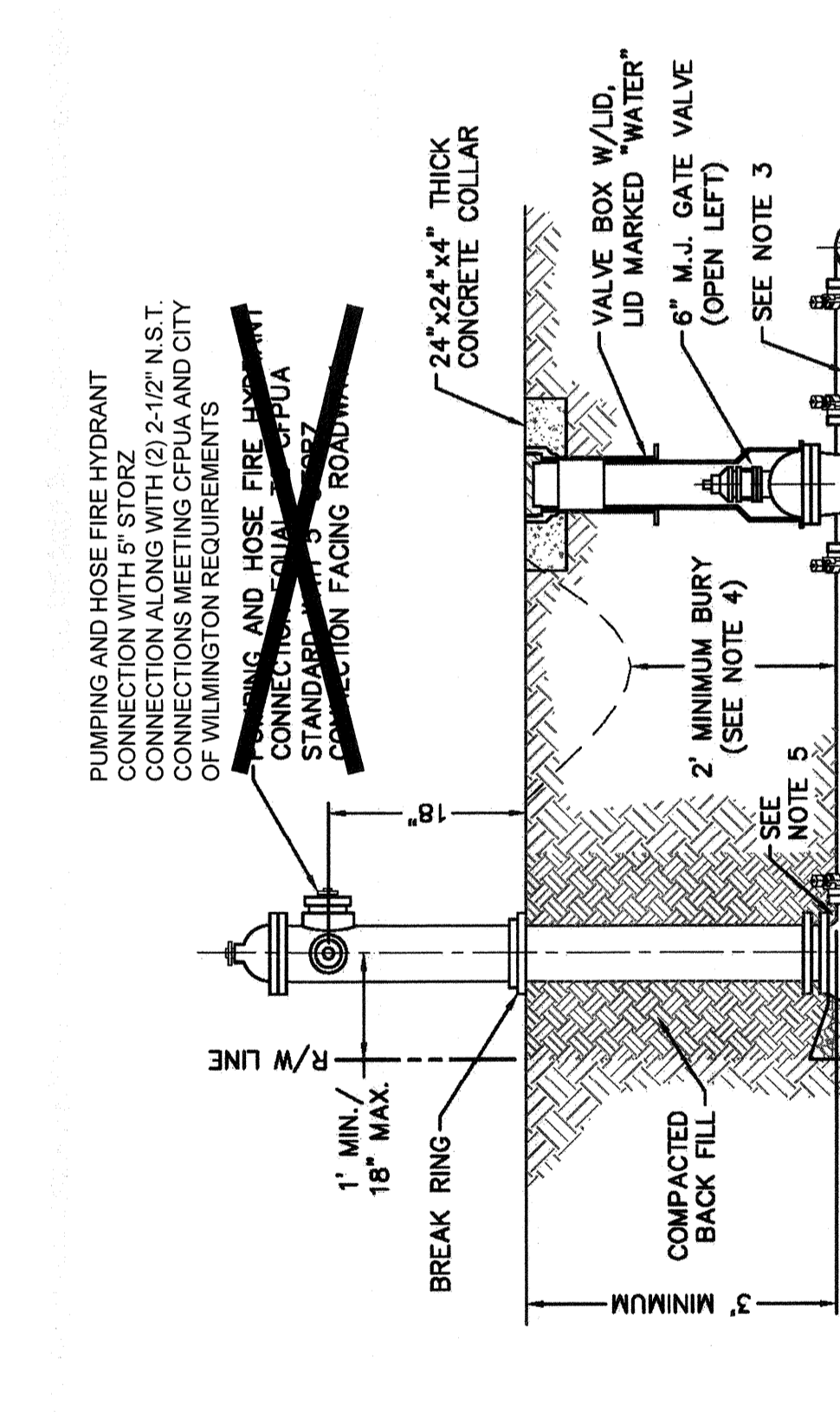
CFPWA WATER DISTRIBUTION SYSTEM

REV.	DESCRIPTION	DATE
1	Single Service Connection, Double Service Connection, and Large Meter Revised	10/26/12
2	Single Service Connection and Fire Hydrant Details Revised	7/22/13
3	Fire Hydrant Detail Revised	07/03/14
4	Revised Fire Hydrant Assembly To Show Full DCP Hydrant Log	04/10/15
5	Revised Water Meter Vault and Large Meter Details, Added Standard Notes	02/12/16

STANDARD NOTES
(REQUIRED ON ALL PLAN AND PROFILE SHEETS)



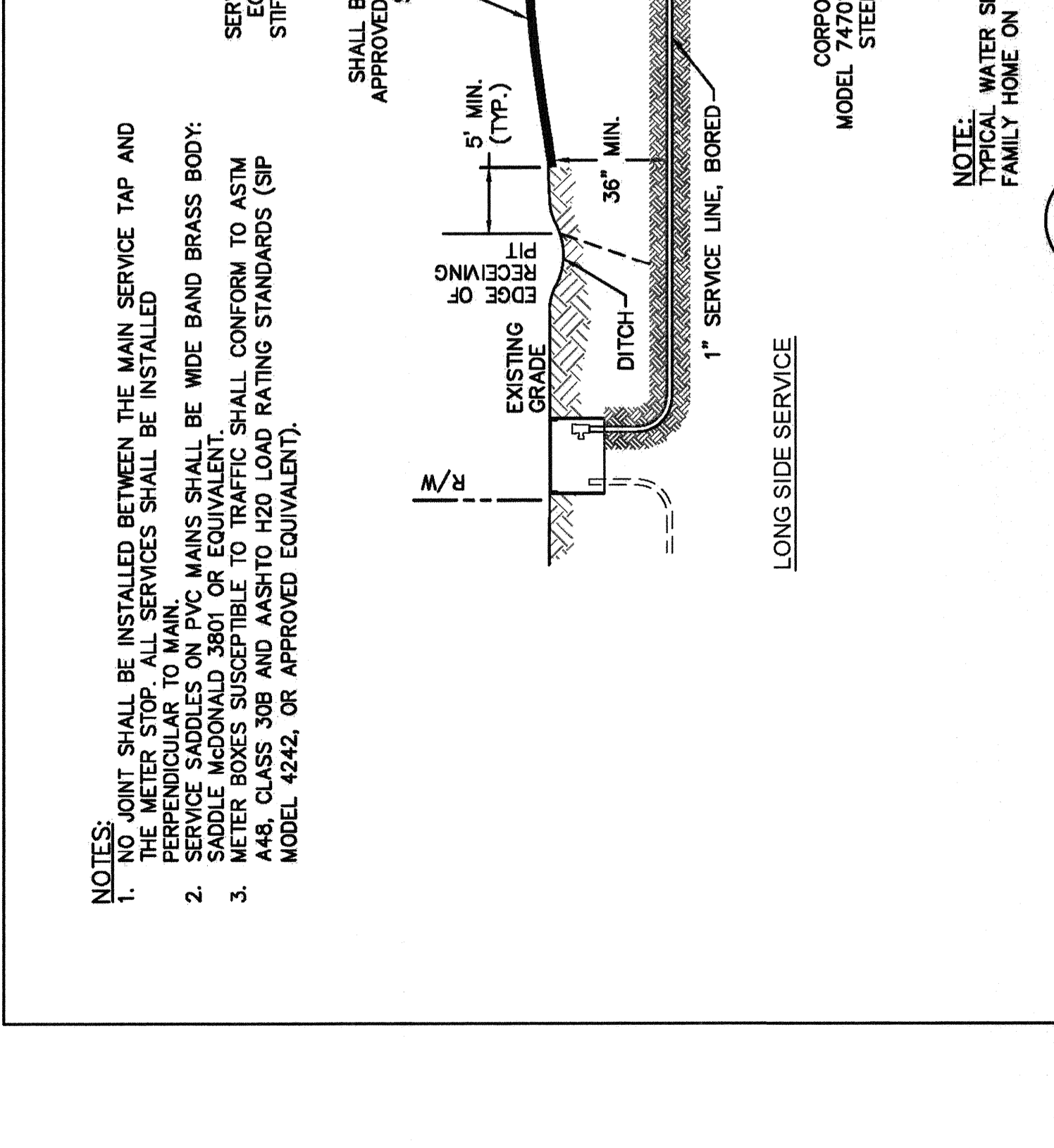
SINGLE SERVICE CONNECTION
WD-18
NOT TO SCALE



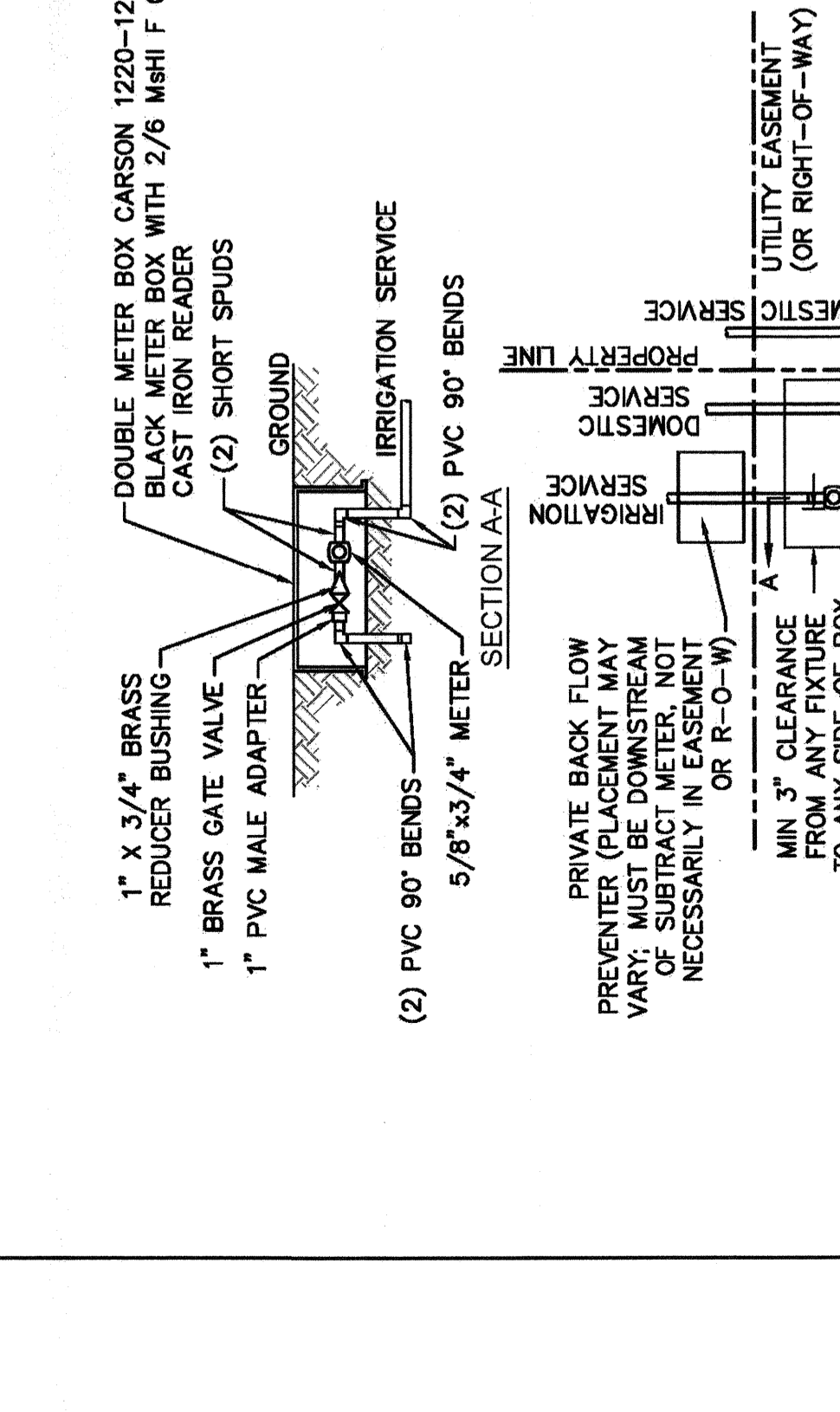
DOUBLE SERVICE CONNECTION USING SUBTRACT METER
WD-8
NOT TO SCALE

NOTES:
1. BEYOND THE PRIMARY POWER METER ASSEMBLY, CFPWA IS ONLY RESPONSIBLE FOR THE METER AND WASHERS OF SUBTRACT METER ASSEMBLY.
2. ALL PIPE AND FITTINGS UP TO FINAL SERVICE LINE TO BE 1" EXCLUDING METERS.
(MULTIPLE DOMESTIC SERVICES PER TAP)

STANDARD NOTES
(REQUIRED ON ALL PLAN AND PROFILE SHEETS)



DOUBLE SERVICE CONNECTION USING SUBTRACT METER
WD-8
NOT TO SCALE



DOUBLE SERVICE CONNECTION USING SUBTRACT METER
WD-8
NOT TO SCALE

NOTES:
1. BEYOND THE PRIMARY POWER METER ASSEMBLY, CFPWA IS ONLY RESPONSIBLE FOR THE METER AND WASHERS OF SUBTRACT METER ASSEMBLY.
2. ALL PIPE AND FITTINGS UP TO FINAL SERVICE LINE TO BE 1" EXCLUDING METERS.
(MULTIPLE DOMESTIC SERVICES PER TAP)

STANDARD NOTES
(REQUIRED ON ALL PLAN AND PROFILE SHEETS)

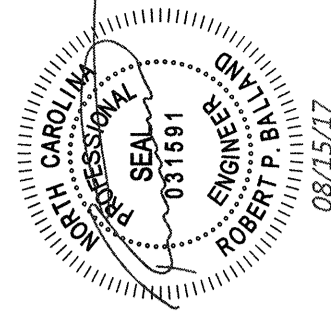
811 Know what's below. Call before you dig.

For each open utility cut or trench, call 811. The utility companies that will be required from the City prior to occupancy and/or project acceptance.

ICDSEAR PHASE WATER PERMIT # _____
WATER CAPACITY _____ GPD
DWO SEWER PERMIT # _____
SEWER CAPACITY _____ GPD
SEWER SHED # AND PLANT: _____
SEWER TO FLOW THROUGH NEI: YES OR NO (CIRCLE ONE)

Approved Construction Plan
Date: 8/17/17
By: [Signature]
Planned: [Signature]
Traffic: [Signature]
File: [Signature]

CAPE FEAR PUBLIC UTILITY AUTHORITY
235 GOVERNMENT CENTER DRIVE
WILMINGTON, NC 28403
OFFICE: (910) 332-6660



RELEASED FOR CONSTRUCTION	
LATEST DATE	DATE: 04/17/17
DRAWN BY:	RFB
CHECKED BY:	RFB
REVISIONS	DESCRIPTION
07 MAR 17	CHECKPOINT #1
11 APR 17	CHECKPOINT #2
28 APR 17	100% DISTRIBUTION

Carmax
THE AUTO SUPERSTORE
STORE NUMBER 6022
6030 MARKET STREET
WILMINGTON, NC 28405

PROJECT NO.	20-15081.02
DATE	25 APR 17
SHEET TITLE	DETAILS
SHEET NO.	C-5.5

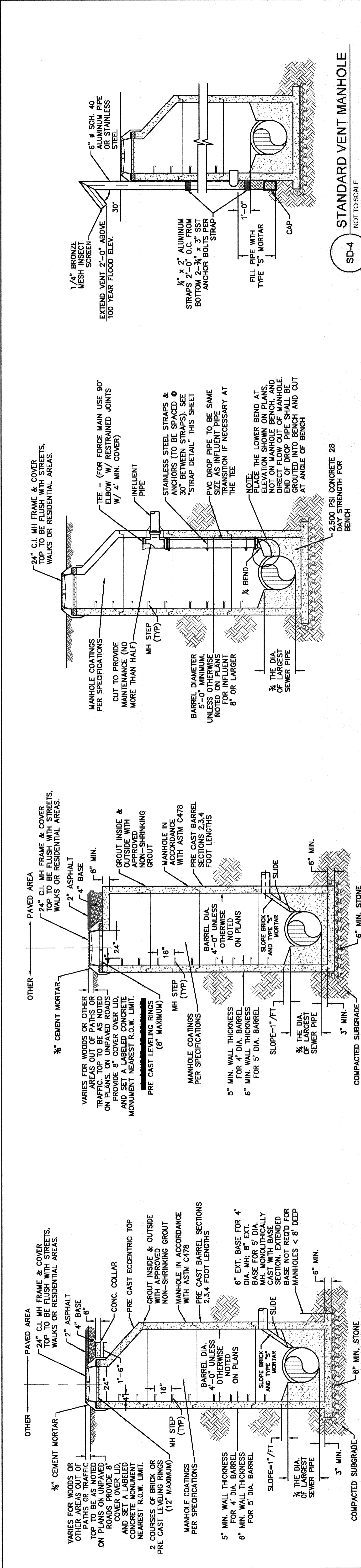
811
Know what's below.
Call before you dig.

For each open utility cut of 48" or greater, the contractor shall be required from the City prior to occupancy and/or project acceptance.

NC DEER PRESS WATER PERMIT # _____
WATER CAPACITY _____ GPD
DWQ SEWER PERMIT # _____
SEWER CAPACITY _____ GPD
SEWER SHED # AND PLANT _____
SEWER TO FLOW THROUGH NEI: YES or NO (CIRCLE ONE)

WILMINGTON
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN
Date: 6/17/17
Signature: [Signature]
Name: [Name]
Title: [Title]

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION



CAPE FEAR PUBLIC UTILITY AUTHORITY STANDARD NOTES:

- SEWER GUARDS REQUIRED AT ALL MANHOLES, STAINLESS STEEL SEWER GUARDS REQUIRED AT MANHOLES LOCATED IN TRAFFIC AREAS.
- SEWER STRAPS SHALL BE PERPENDICULAR TO MAIN AND TERMINATE AT RIGHT-OF-WAY LINE. SEWER SERVICES IN CUL-DE-SACS ARE REQUIRED TO BE PERPENDICULAR OR MUST ORIGINATE IN END OF LINE.
- ALL SERVICES TYPING INTO DUCTILE IRON MAINS SHALL BE CONSTRUCTED OF CLASS 50, DP, WITH PROTECTO 401 MINIMUM UTILITY EASEMENT PROVIDED ALONG THE DEVELOPMENTS.
- FRONTAGE OF ALL LOTS AND AS SHOWN FOR NEW DEVELOPMENTS.
- ALL STAINLESS STEEL FASTENERS SHALL BE 316.
- CLEANOUTS SHALL BE LOCATED A MINIMUM OF 12 FEET FROM ALL PROPERTY CORNERS. WATER METER BOXES ARE TO BE A MINIMUM OF 5 FEET FROM THE PROPERTY CORNER.

GENERAL NOTES:

- NO EXCAVATED MATERIAL SHALL BE PLACED IN ANY STREAM, DITCH OR DRAINAGE-WAY.
- THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES BEFORE THE CONTRACTOR BEGINS ANY EXCAVATION.
- THE CONTRACTOR IS RESPONSIBLE FOR TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES WHILE CONSTRUCTION IS IN PROGRESS.
- THE CONTRACTOR IS RESPONSIBLE FOR STABILIZATION OF ALL DISTURBED AREAS.
- THE CONTRACTOR IS RESPONSIBLE FOR LAY DOWN AND STOCKPILE AREAS (TO ARRANGE AND ENSURE COMPLIANCE WITH ALL LOCAL AND STATE REGULATIONS).

THE DETAILS SHOWN HEREON SUPERCEDE VERSIONS 1.00 - 1.04
WRITTEN TECHNICAL SPECIFICATIONS VERSIONS 1.00 - 1.04

REV.	DESCRIPTION	DATE
1	AIR/VACUUM AND AIR RELEASE COMBINATION VALVE REVISED	10/26/12
2	STANDARD SEWER NOTE #6 REVISED	12/01/12
3	REVISED STANDARD VENT MANHOLE TO EXTEND VENT 2'-0" ABOVE 100 YR FLOOD	11/20/14
4	Revised Multiple Details	02/15/16

DATE:	16/01/12
SCALE:	N/A
DRAWN BY:	CF/PLA
CHECKED BY:	CF/PLA
PROJECT NO.:	

SHEET NO.:	SSD-1
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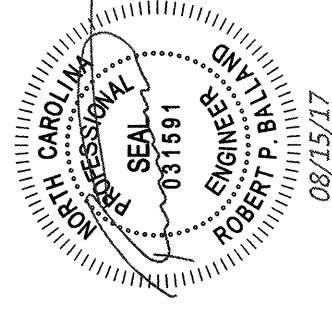
DATE:	10/26/12
DESCRIPTION:	STANDARD SEWER NOTE #6 REVISED
DATE:	12/01/12
DESCRIPTION:	STANDARD SEWER NOTE #6 REVISED
DATE:	11/20/14
DESCRIPTION:	REVISED STANDARD VENT MANHOLE TO EXTEND VENT 2'-0" ABOVE 100 YR FLOOD
DATE:	02/15/16
DESCRIPTION:	REVISED MULTIPLE DETAILS

CAPE FEAR PUBLIC UTILITY AUTHORITY
285 GOVERNMENT CENTER DRIVE
WILMINGTON, NC 28403
OFFICE: (910) 332-9500

Approved Construction Plan
Name: [Name]
Title: [Title]
Date: 6/17/17

811
Know what's below.
Call before you dig.

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION



RELEASED FOR CONSTRUCTION			
LATEST DAWC	DA17-004/FC17-006		
DRAWN BY:	RPB		
CHECKED BY:	RPB		
REV#	DATE	DESCRIPTION	BY
17	MAR 17	CHECKPOINT #1	
11	APR 17	CHECKPOINT #2	
25	APR 17	100% DISTRIBUTION	

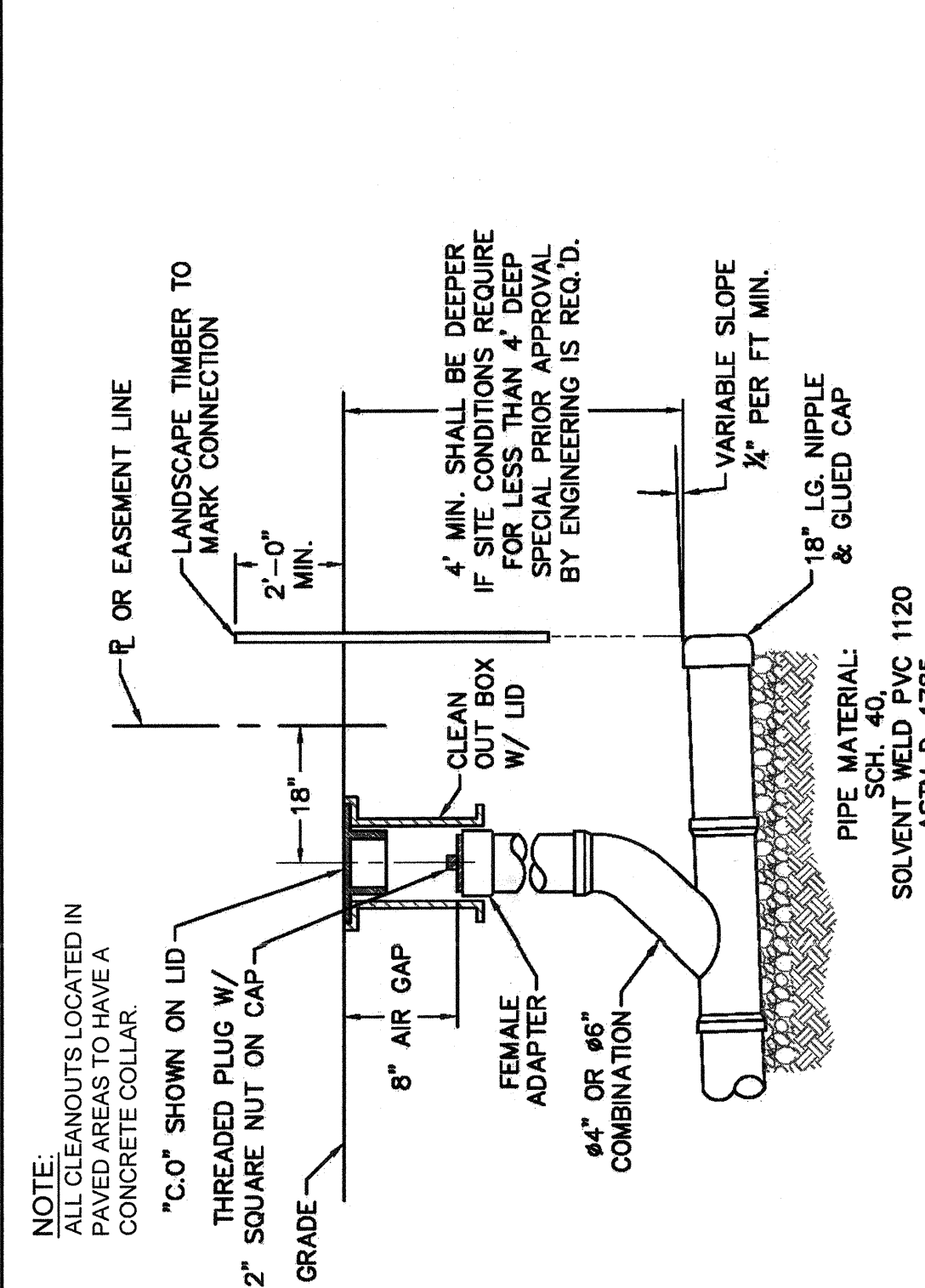
CARMAX
THE AUTO SUPERSTORE
STORE NUMBER 6022
6030 MARKET STREET
WILMINGTON, NC 28405

PROJECT NO.	20-15081.02
DATE	25 APR 17
SHEET TITLE	DETAILS
SHEET NO.	C-5.6

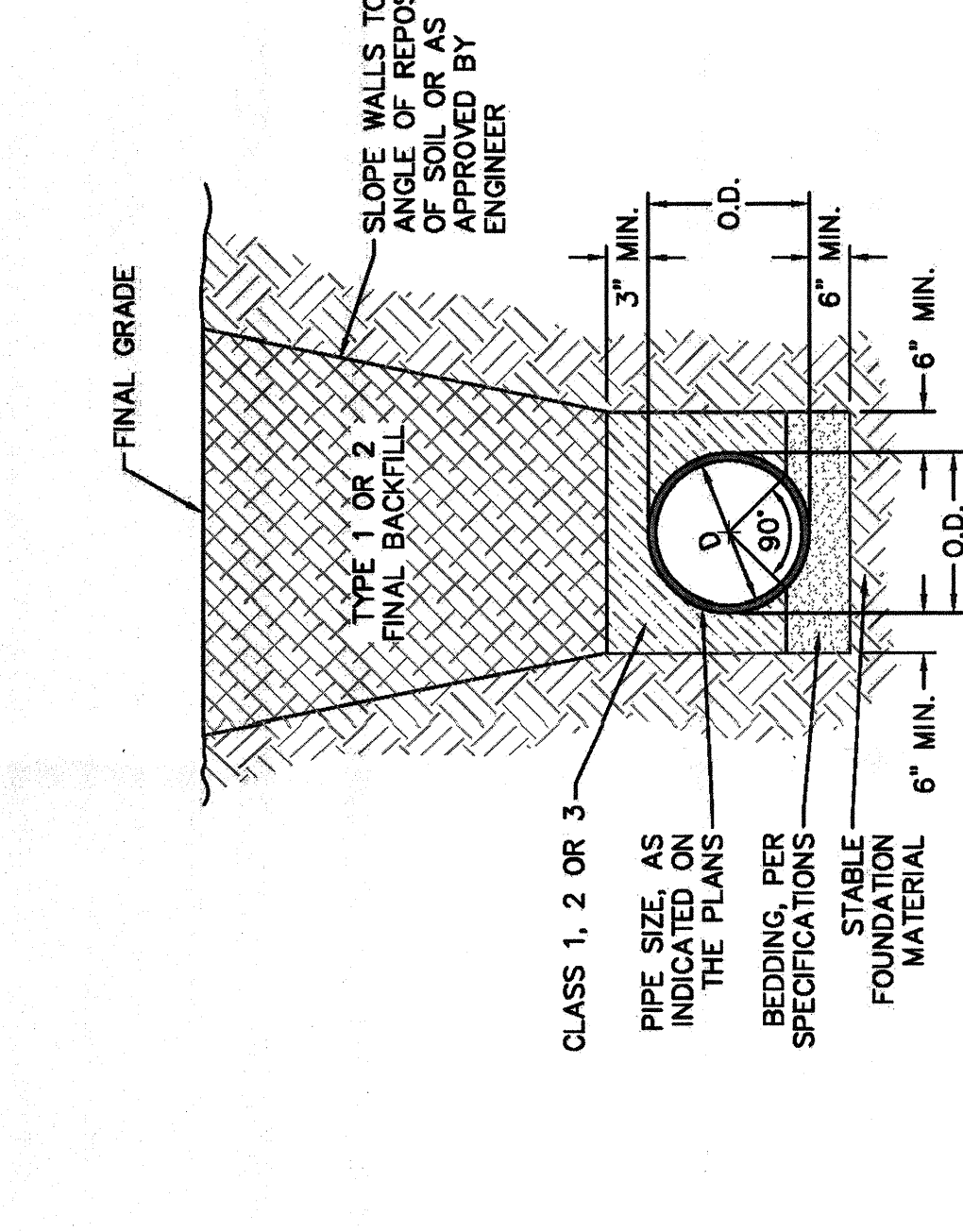


For each open utility cut of 48" or greater, a 6" pipe shall be placed in the City prior to occupancy and/or project acceptance.	INCIDENT PWS WATER PERMIT #	_____
	WATER CAPACITY	_____ GPD
	DWO SEWER PERMIT #	_____
	SEWER CAPACITY	_____ GPD
	SEWER SHED # AND PLANT	_____
	SEWER TO FLOW THROUGHLINE	YES or NO (CIRCLE ONE)

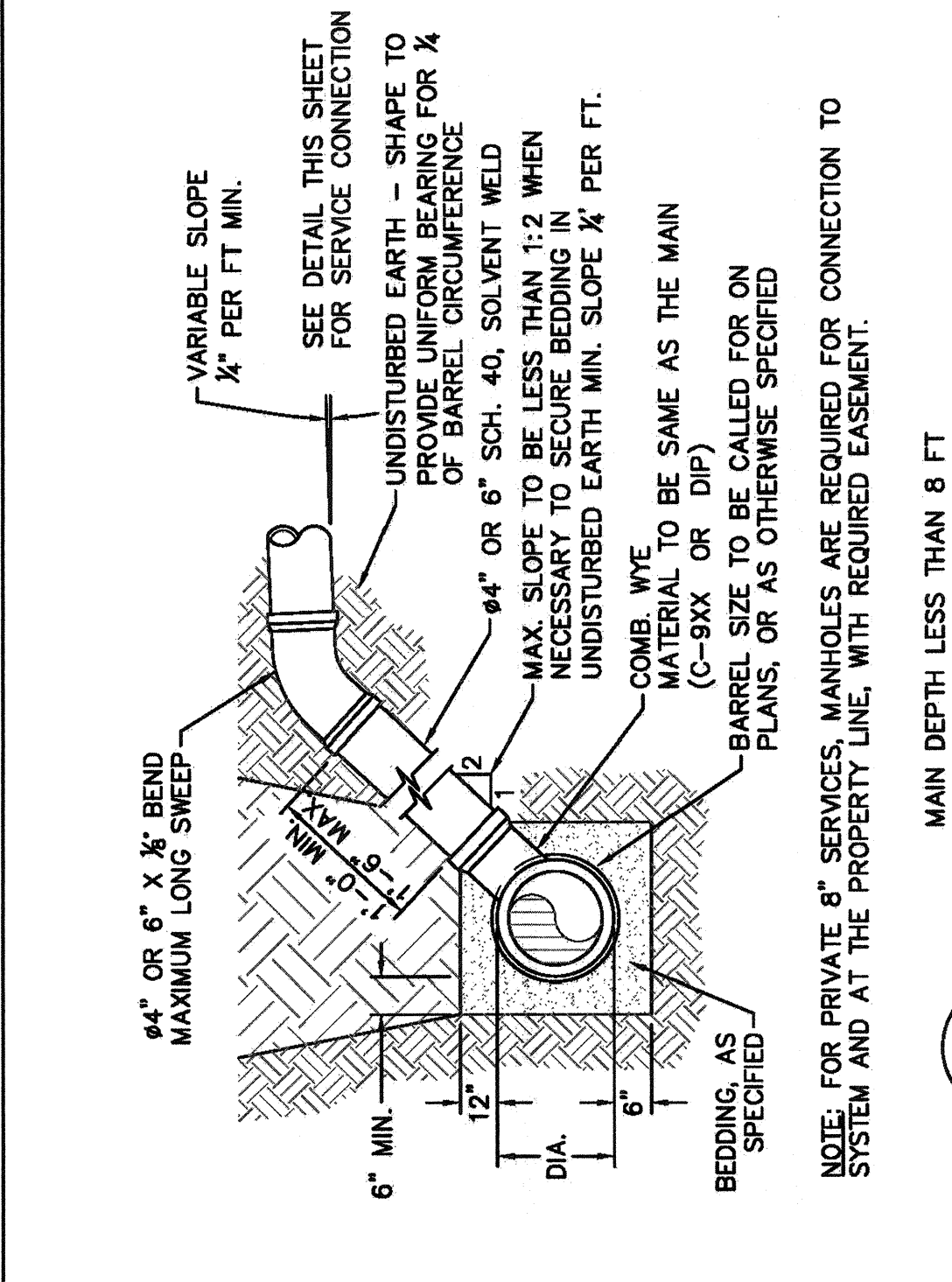
WILMINGTON
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN
Date: 8/11/17
Signed: [Signature]
Approved Construction Plan
Name: [Name]
Date: 8/17/17
Traffic: [Signature]
Fire: [Signature]



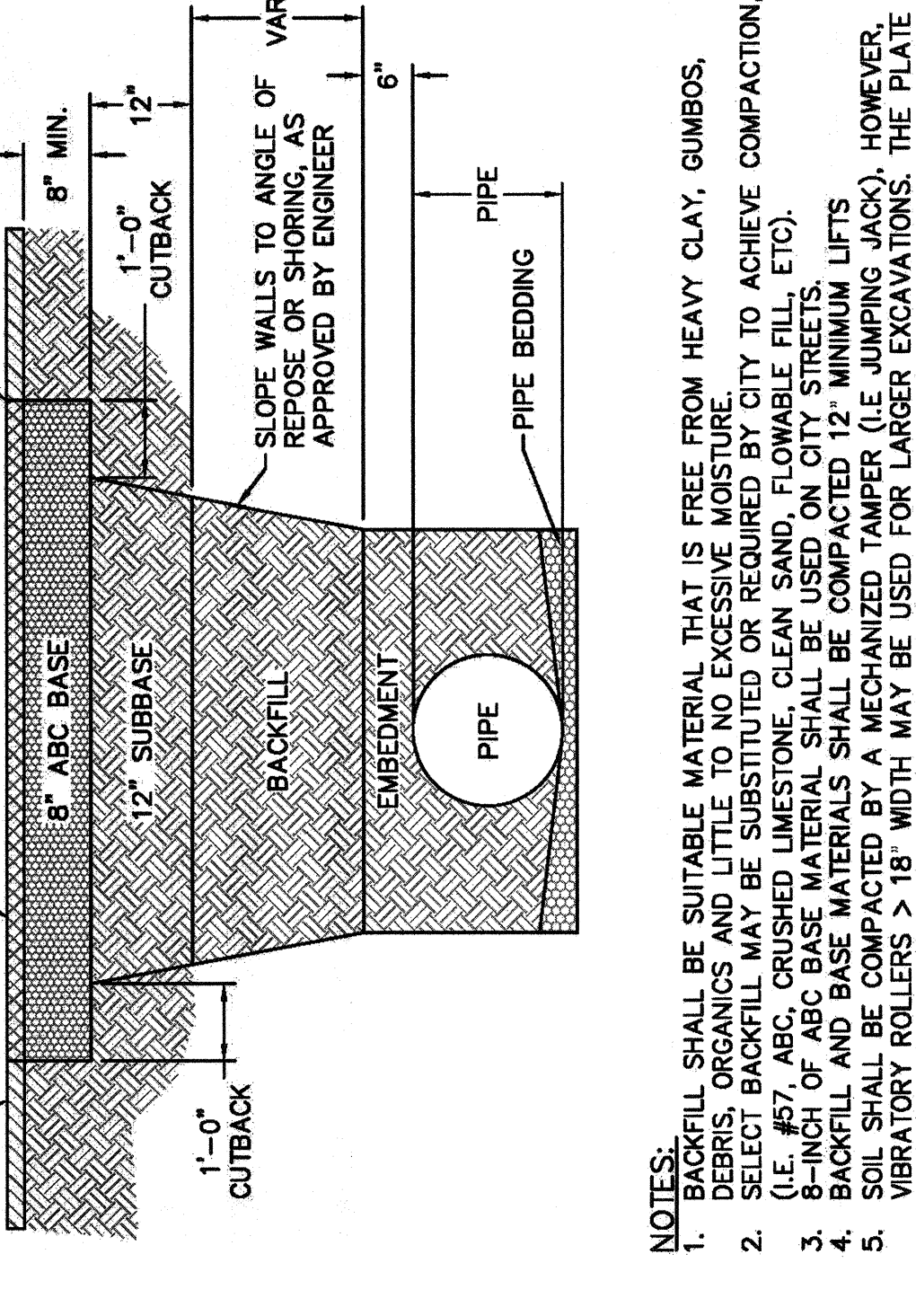
SD-11
NOT TO SCALE
SERVICE CONNECTION AND CLEAN-OUT



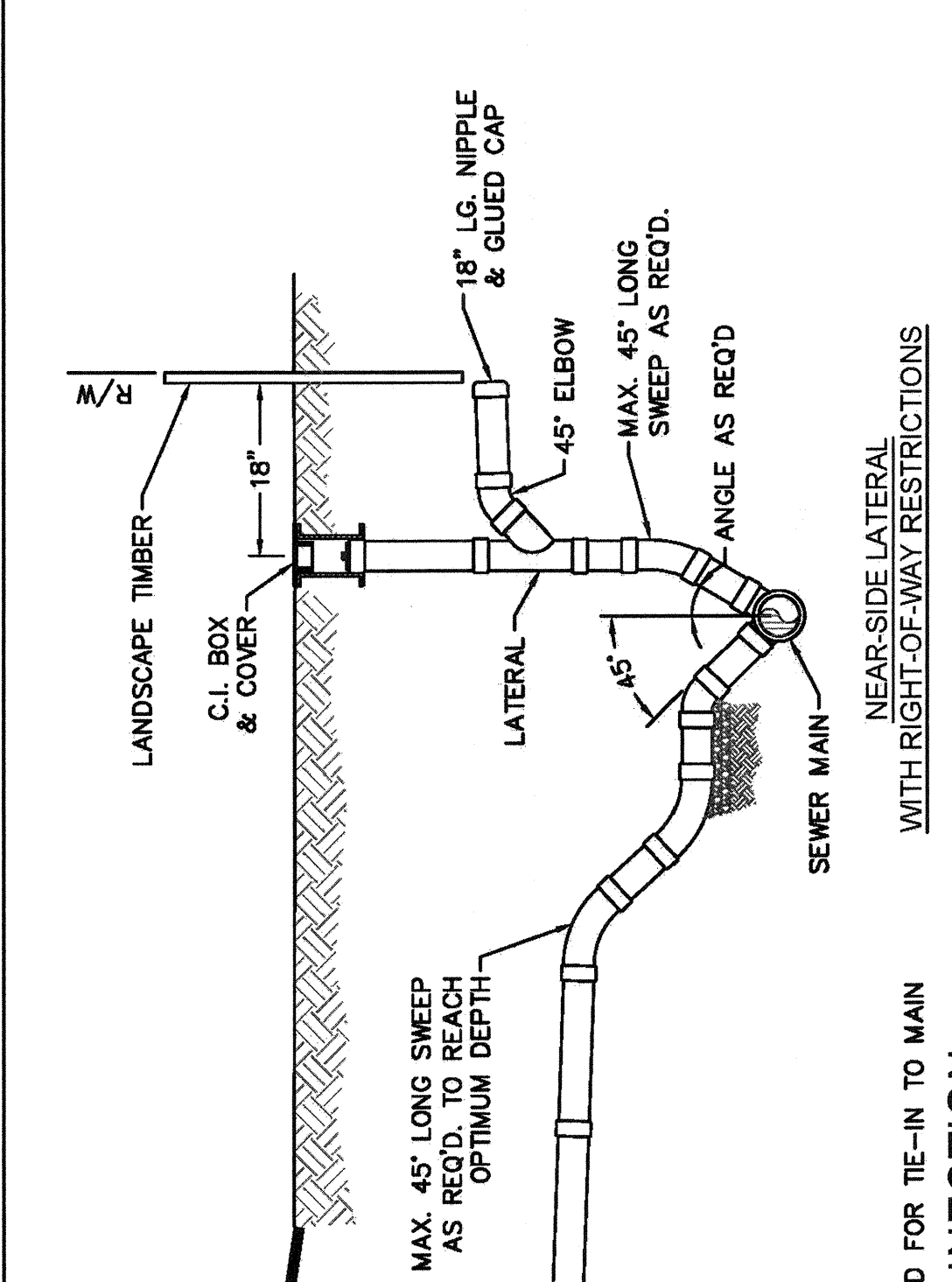
SD-15
NOT TO SCALE
TYPICAL TRENCH DETAIL



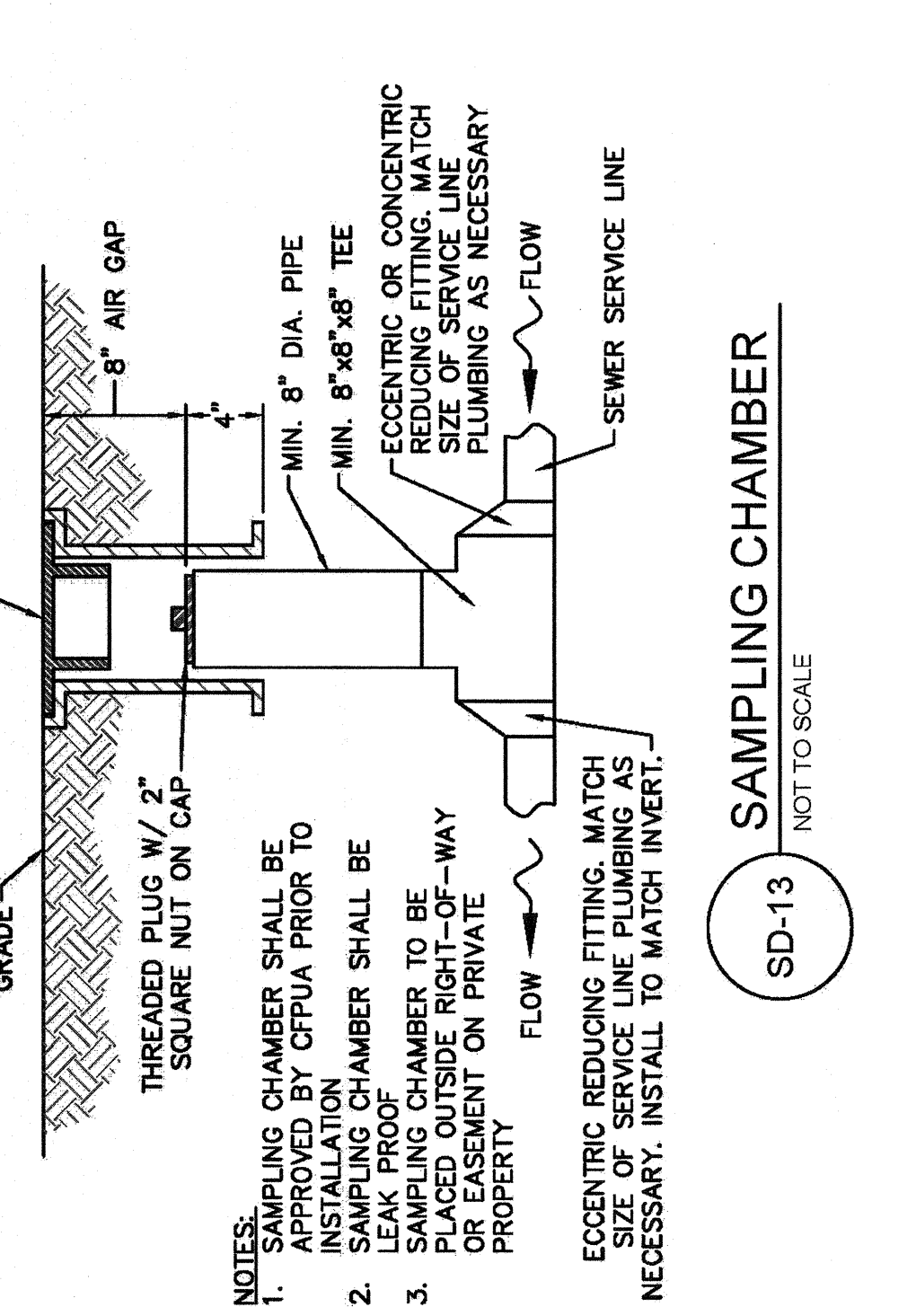
SD-10
NOT TO SCALE
STANDARD SERVICE LATERAL



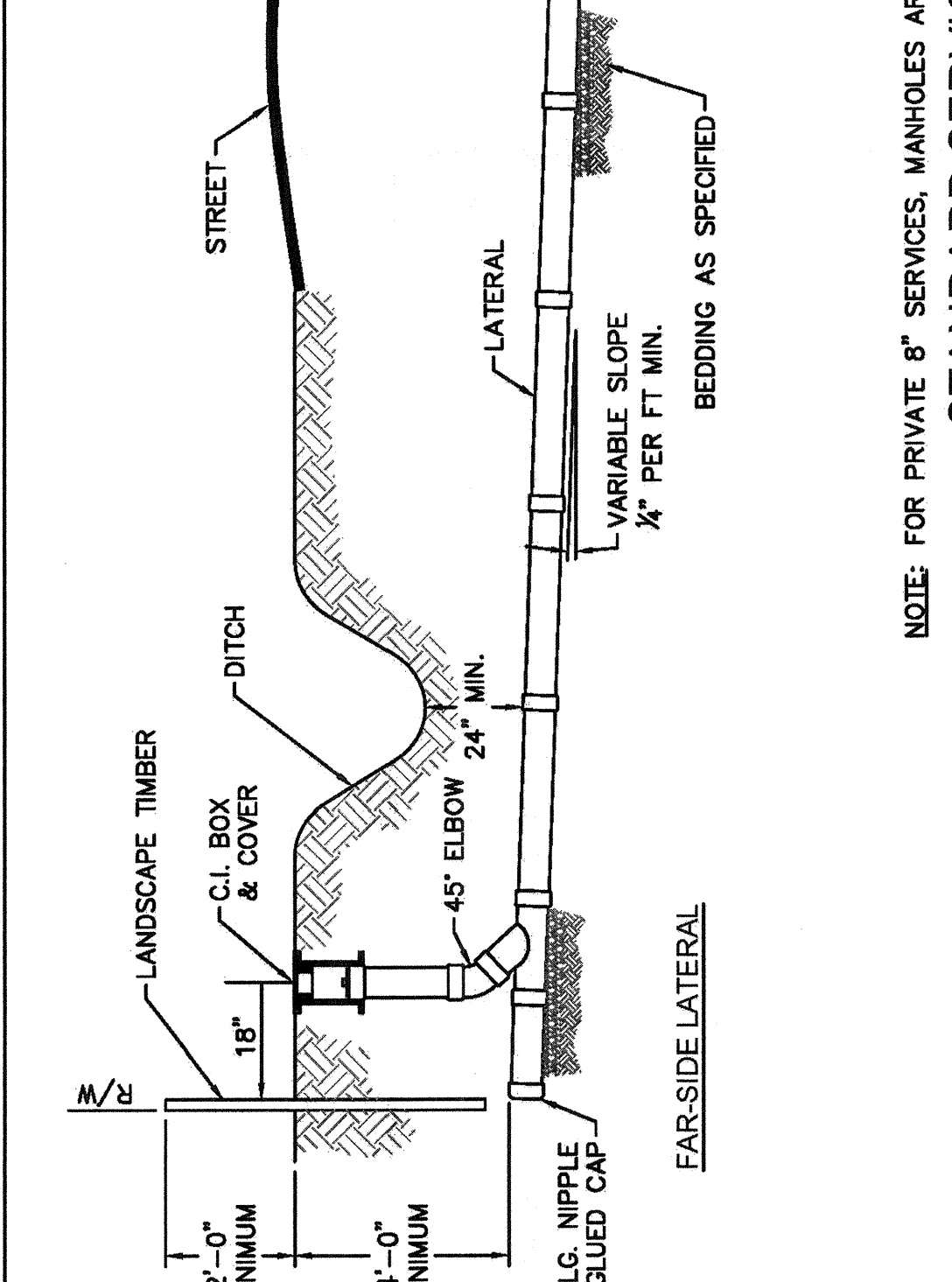
SD-14
NOT TO SCALE
PAVEMENT REPAIR WHERE PIPE INSTALLED



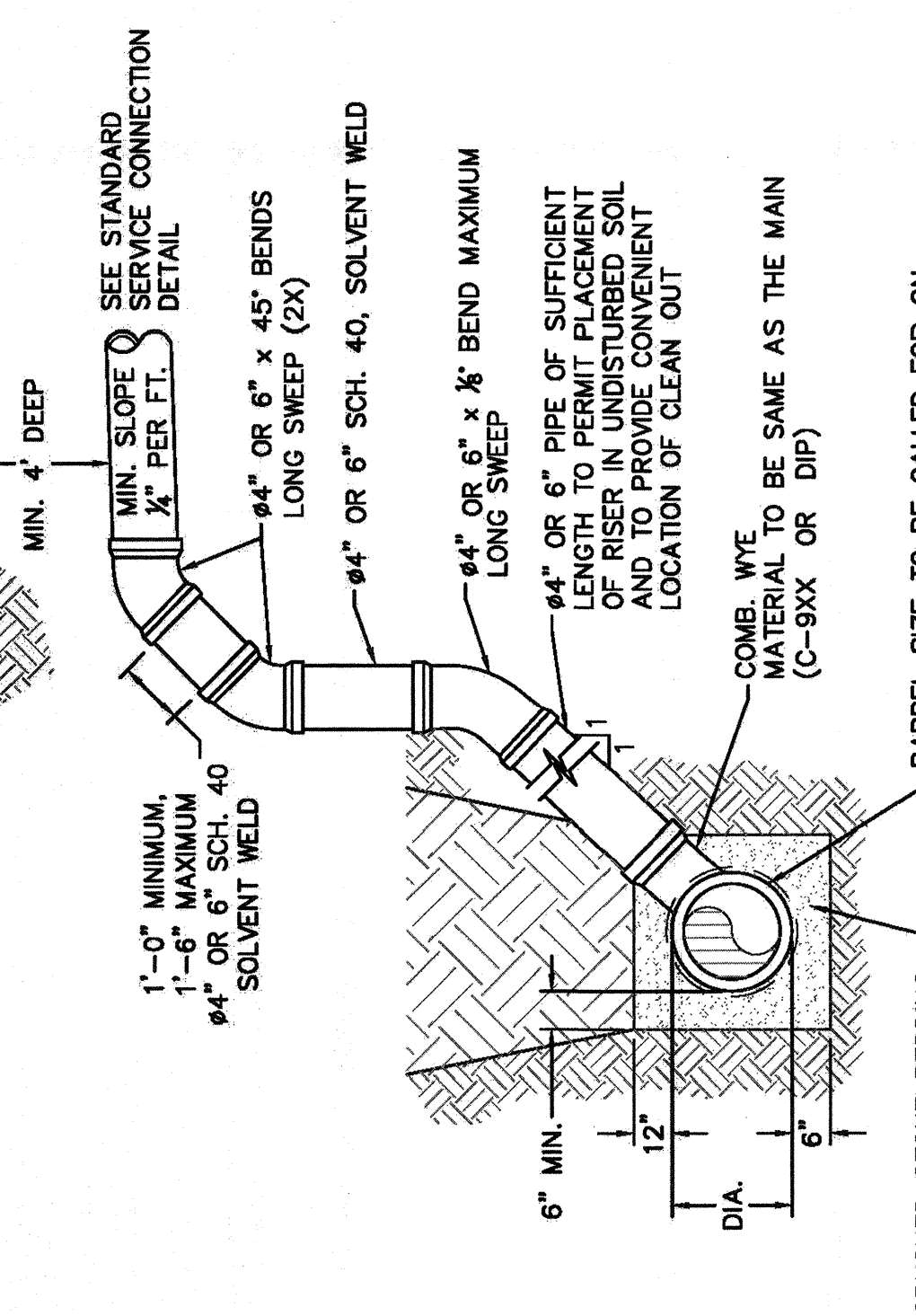
SD-19
NOT TO SCALE
STANDARD SERVICE CONNECTION TO SANITARY SEWER



SD-13
NOT TO SCALE
SAMPLING CHAMBER



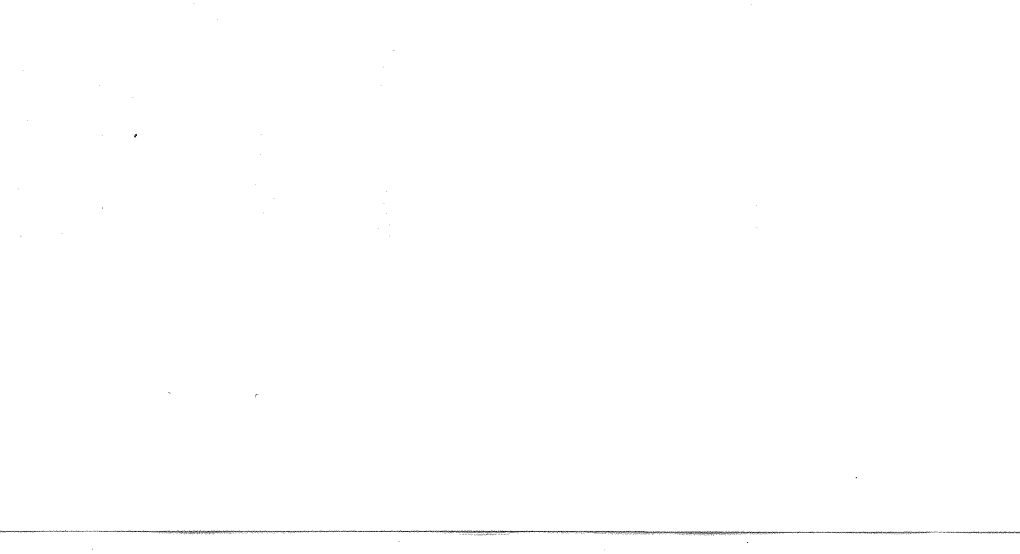
SD-12
NOT TO SCALE
DEEP SERVICE LATERAL



SD-17
NOT TO SCALE
PIPE CASING SUPPORT DETAIL



SD-16
NOT TO SCALE
TYPICAL BORING/JACKING DETAIL



SD-11
NOT TO SCALE
SERVICE CONNECTION AND CLEAN-OUT

GENERAL NOTES:
1. NO EXCAVATED MATERIAL SHALL BE PLACED IN ANY STREAM, DITCH OR DRAINAGE-WAY.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES BEFORE ANY CONSTRUCTION BEGINS.
3. ANY CONTRACTOR RESPONSIBLE FOR TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES WHILE CONSTRUCTION IS IN PROGRESS, SHALL BE RESPONSIBLE FOR MAINTAINING AND REPAIRING SUCH MEASURES THROUGHOUT THE PROJECT.
4. THE CONTRACTOR IS RESPONSIBLE FOR LAY DOWN AND STOCKPILE AREAS (TO ARRANGE AND ENSURE COMPLIANCE WITH ALL LOCAL AND STATE REGULATIONS).

THE DETAILS SHOWN HEREON SUPERCEDE CFPWA WRITTEN TECHNICAL SPECIFICATIONS VERSIONS 1.00 - 1.04

NOTES:
1. BACKFILL SHALL BE SUITABLE MATERIAL THAT IS FREE FROM HEAVY CLAY, GUMBOS, DEBRIS, ORGANICS AND LITTLE TO NO EXCESSIVE MOISTURE.
2. (1) 4:7 ABC CRUSHED LIMESTONE OR CLEAN SAND, FLOWABLE FILL, ETC.)
3. 8-INCH ABC BASE MATERIAL SHALL BE USED ON CITY STREETS.
4. BACKFILL AND BASE MATERIALS SHALL BE COMPACTED 12" MINIMUM LIFTS.
5. VIBRATORY ROLLERS > 18" WIDTH MAY BE USED FOR LARGER EXCAVATIONS. THE PLATE TAMP METHOD SHALL NOT BE USED.
6. ALL APPROVED CASTINGS SHALL BE SET FLUSH TO GRADE AND SUPPORTED IF NECESSARY.
7. ABC BASE AND SUBBASE COMPACTED TO 98% AND BACKFILL AND EMBEDMENT COMPACTED TO 90% AS DETERMINED BY THE MODIFIED PROCTOR AASHTO METHOD T-99.
8. ALL JOINTS IN ASPHALT SHALL BE PREPARED ON UNDISTURBED SOIL. MINIMUM ASPHALT THICKNESS IS 60%.

NOTES:
1. SPECIAL CARE SHALL BE TAKEN DURING BACKFILL OPERATIONS. THE RISER SHALL BE PLUMB AND TRUE AT ALL TIMES, AND REST ON FIRM, STABLE FOUNDATION.
2. FOR PRIVATE 8" SERVICES, MANHOLES ARE REQUIRED FOR CONNECTION TO SYSTEM AND AT THE PROPERTY LINE, WITH REQUIRED EASEMENT.

NOTES:
1. CASING WILL BE INSTALLED AT LINE AND GRADE SHOWN ON INDIVIDUAL PROFILE FOR EACH CROSSING BORING/JACKING TO LINE AND GRADE IS REQUIRED.
2. TRIGGER WIRE SHALL BE CONTINUED THROUGH CASING.

CFPWA SANITARY SEWER

DATE	8/17/17
DESIGNER	WILMINGTON ENGINEERS
DRAWN BY	CFPWA
CHECKED BY	CFPWA
PROJECT NO.	SSD-2

CAPE FEAR PUBLIC UTILITY AUTHORITY
238 GOVERNMENT CENTER DRIVE
WILMINGTON, NC 28403
OFFICE: (919) 332-6660

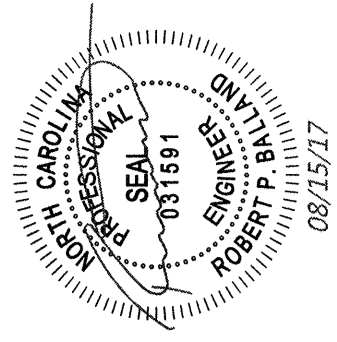
REV#	DESCRIPTION	DATE
1	SHAP LINES NUMBER REVISION	02/15/16
2	Revised Multiple Details	

NOTES:
1. PIPE SUPPORT TO BE PLACED TO PROVIDE PROPER SUPPORT, ALIGNMENT, AND GRADE AS SPECIFIED. CONTINUOUS SUPPORTS MAY BE USED AS ALTERNATIVE. OIL, GRASS, OR PETROLEUM PRODUCT MAY NOT BE USED AS UNDERLAYMENT.
2. SKID SPACING AND LEG SIZE VARIES BY PIPE SIZE AND PER MANUFACTURER. APPROVE/DETERMINE SPACING.

NOTES:
1. MIN. 1:1 SLOPE IN R/W VARIES SEE PLAN FOR INDIVIDUAL LOCATION.
2. MIN. 1:1 SLOPE FROM EDGE OF PAVEMENT TO EACH END OF PIPE.

NOTES:
1. SPECIAL CARE SHALL BE TAKEN DURING BACKFILL OPERATIONS. THE RISER SHALL BE PLUMB AND TRUE AT ALL TIMES, AND REST ON FIRM, STABLE FOUNDATION.
2. FOR PRIVATE 8" SERVICES, MANHOLES ARE REQUIRED FOR CONNECTION TO SYSTEM AND AT THE PROPERTY LINE, WITH REQUIRED EASEMENT.

SFS/A
SVC/FQC
100%
DISTRIBUTION

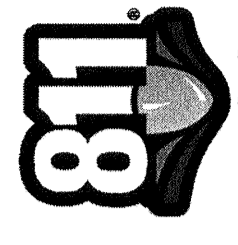


RELEASED FOR CONSTRUCTION
LATEST DATE: 04/17/2017
DRAWN BY: RPB
CHECKED BY: RPB

REV#	DATE	DESCRIPTION	BY
07	MAR 17	CHECKPOINT #1	
11	APR 17	CHECKPOINT #2	
25	APR 17	100% DISTRIBUTION	

THE AUTO SUPERSTORE
STORE NUMBER 6022
6030 MARKET STREET
WILMINGTON, NC 28405

PROJECT NO. 20-15081.02
DATE 25 APR 17
SHEET TITLE
DETAILS
SHEET NO. C-5.7

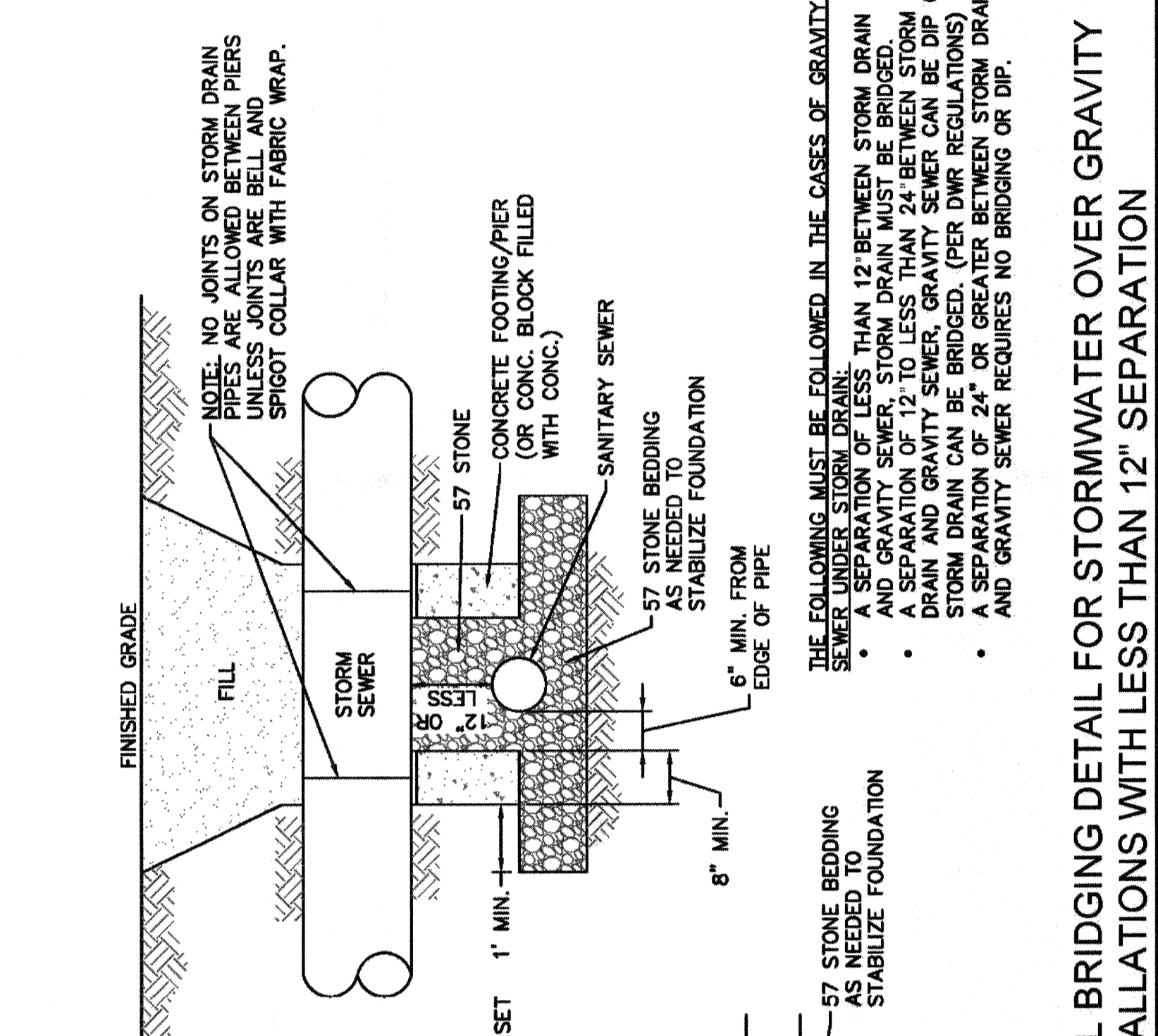


Know what's below
Call before you dig.
For each open utility cut of any depth, the contractor shall be required from the City prior to occupancy and/or project acceptance.

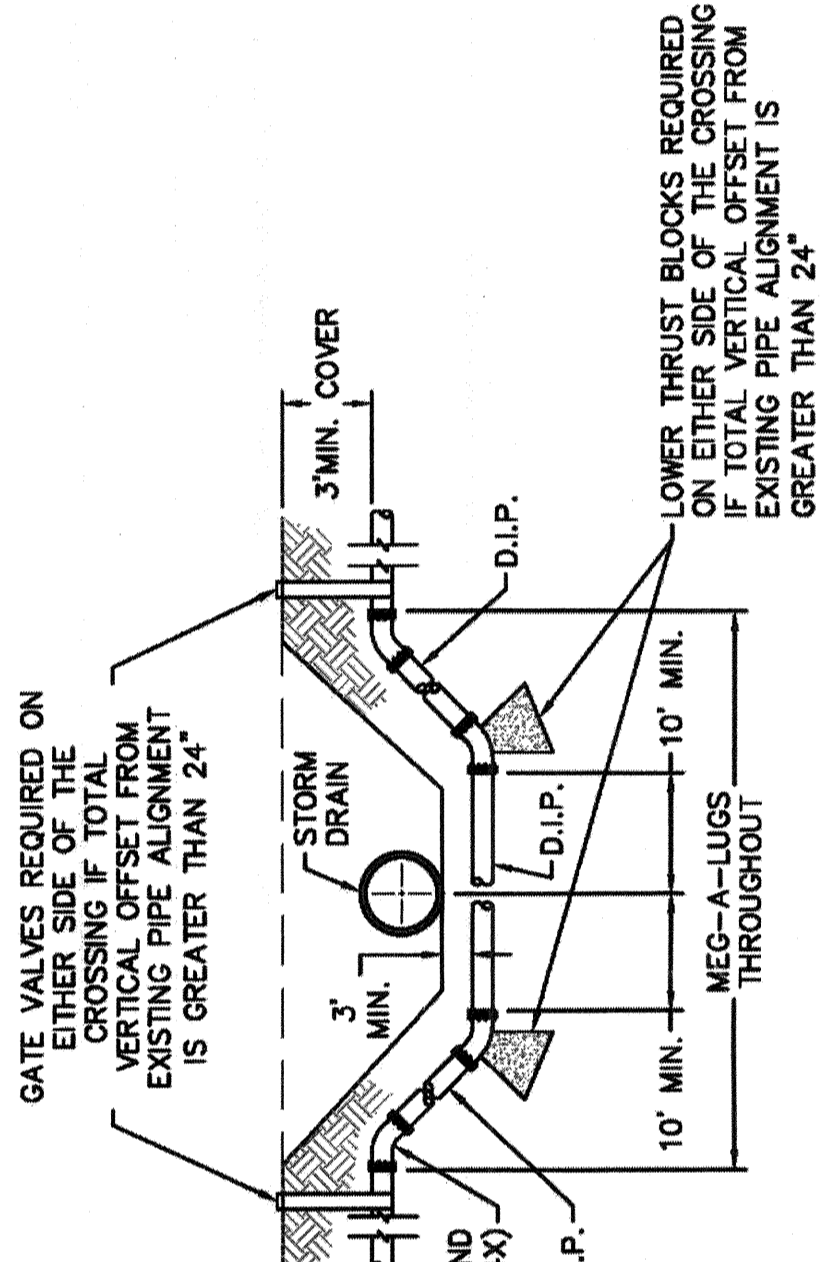
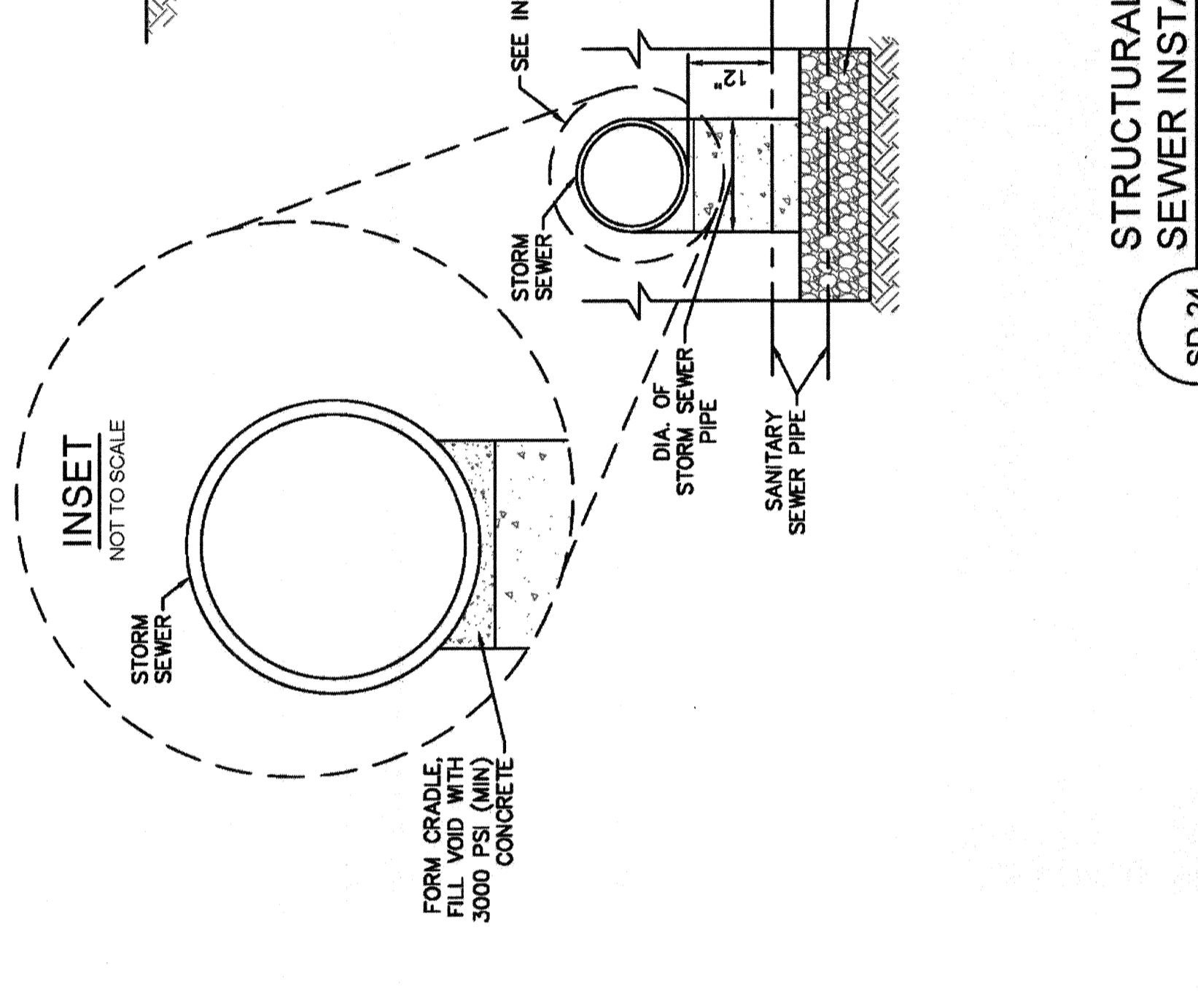
WILMINGTON
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN
Date: 8/17/17
Signed: [Signature]
Approved Construction Plan
Name: [Name]
Date: 8/17/17
Traffic: [Signature]
File: [Signature]

CAPE FEAR PUBLIC UTILITY AUTHORITY
235 GOVERNMENT CENTER DRIVE
WILMINGTON, NC 28403
OFFICE: (910) 332-2600

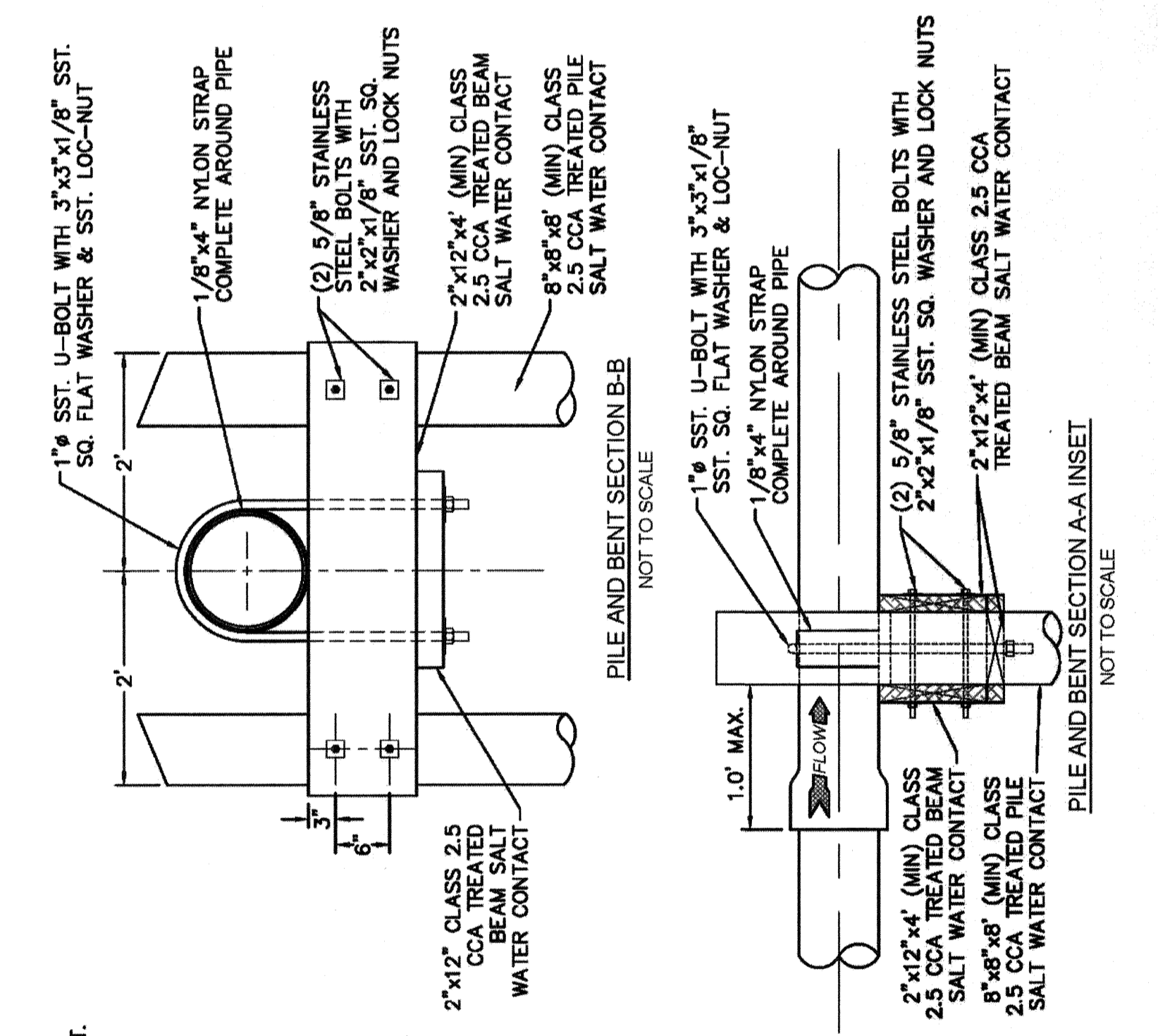
INCLEAR PIPES WATER PERMIT #
WATER CAPACITY: GPD
DWO SEWER PERMIT #
SEWER CAPACITY: GPD
SEWER SHED # AND PLANT:
SEWER TO FLOW THROUGH NEI: YES or NO (CIRCLE ONE)



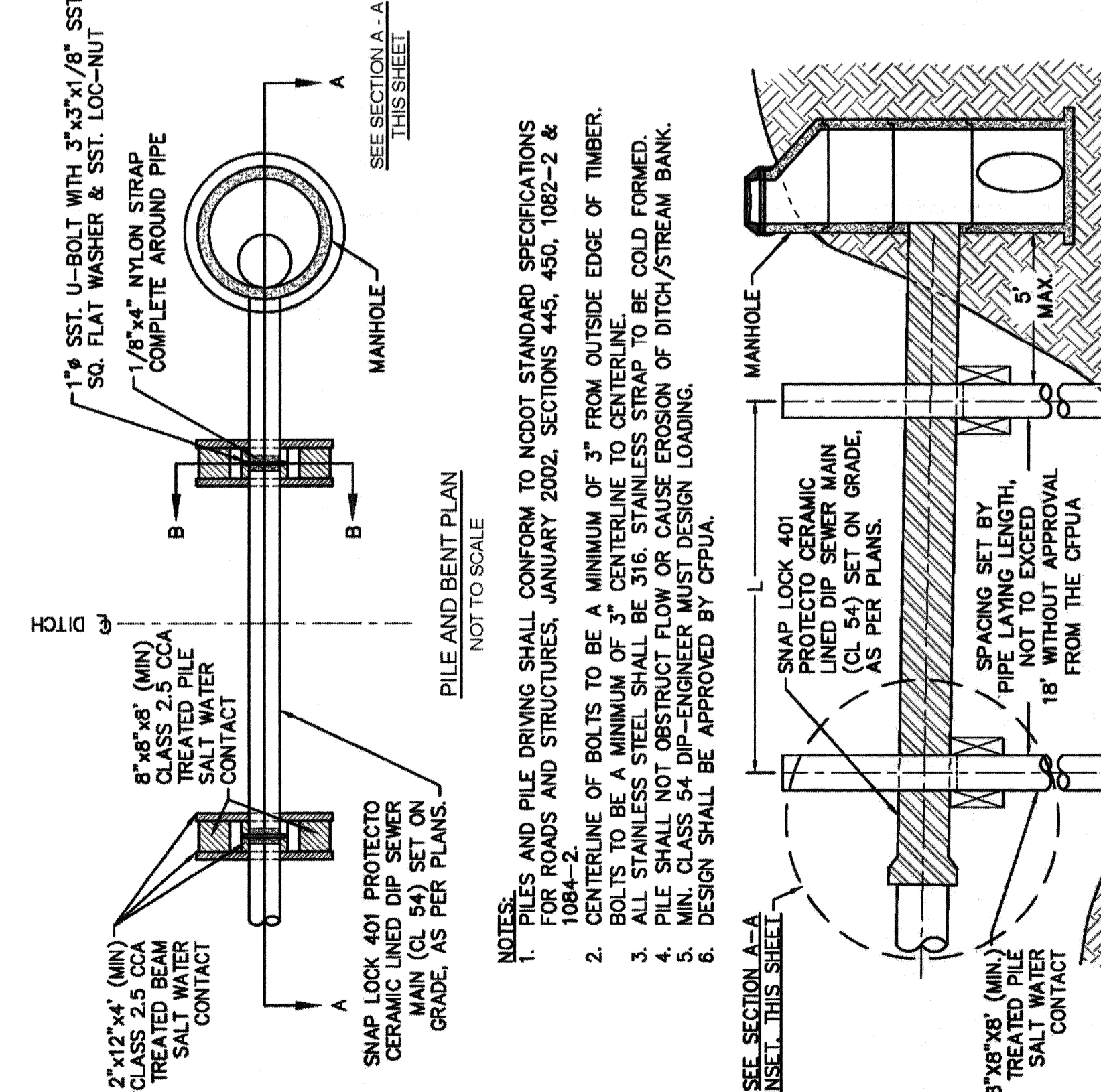
STRUCTURAL BRIDGING DETAIL FOR STORMWATER OVER GRAVITY SEWER INSTALLATIONS WITH LESS THAN 12" SEPARATION
SD-24 NOT TO SCALE



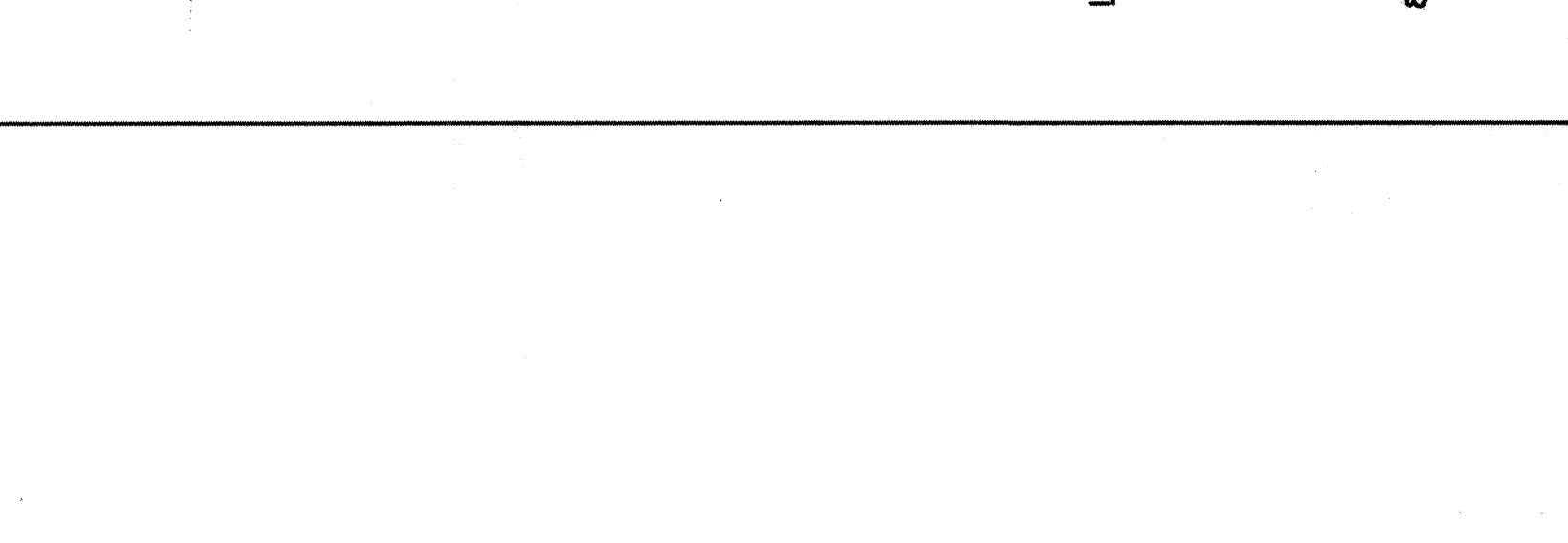
LOWER THRUST BLOCKS REQUIRED FOR STORM DRAIN CROSSING IF TOTAL VERTICAL OFFSET FROM EXISTING PIPE ALIGNMENT IS GREATER THAN 24"
SD-18 NOT TO SCALE



TRACER WIRE DETAIL
SD-21 NOT TO SCALE



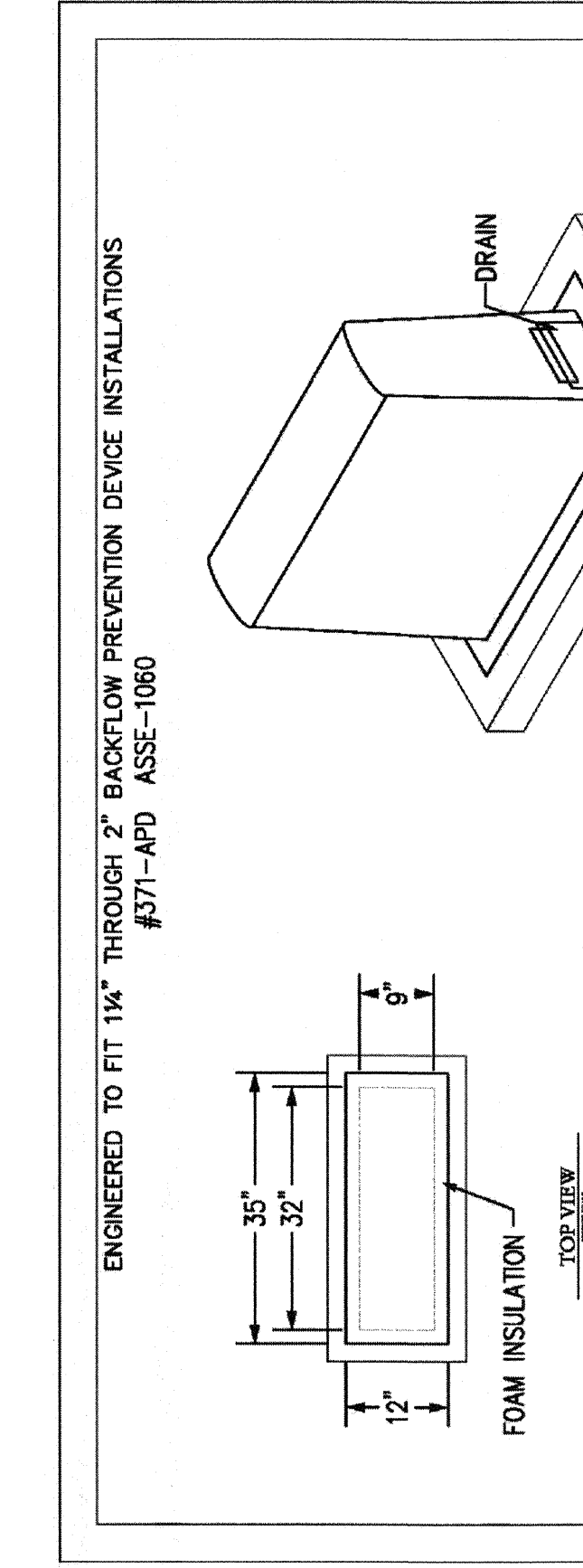
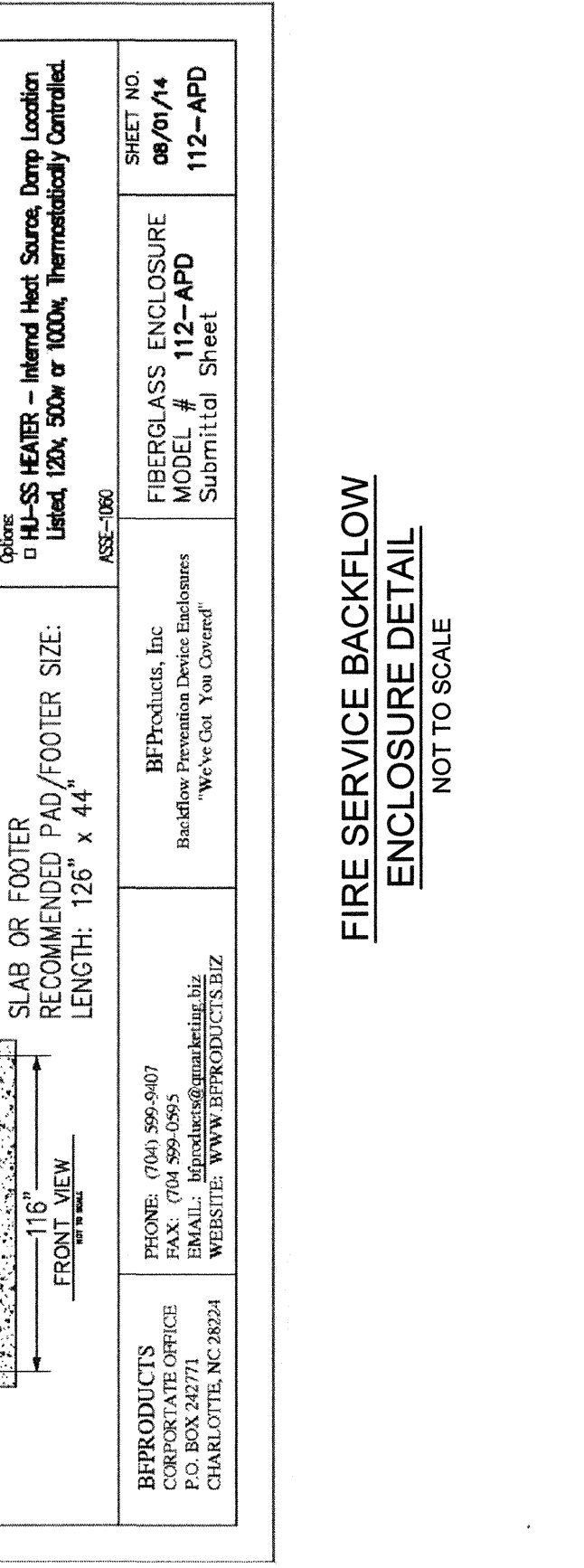
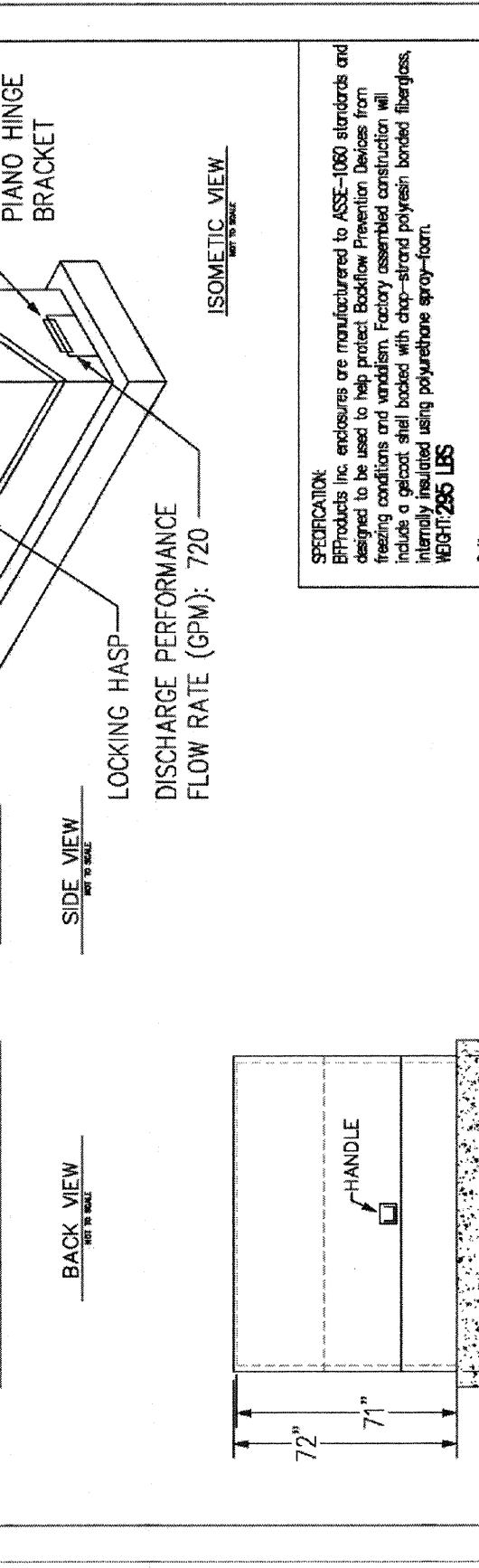
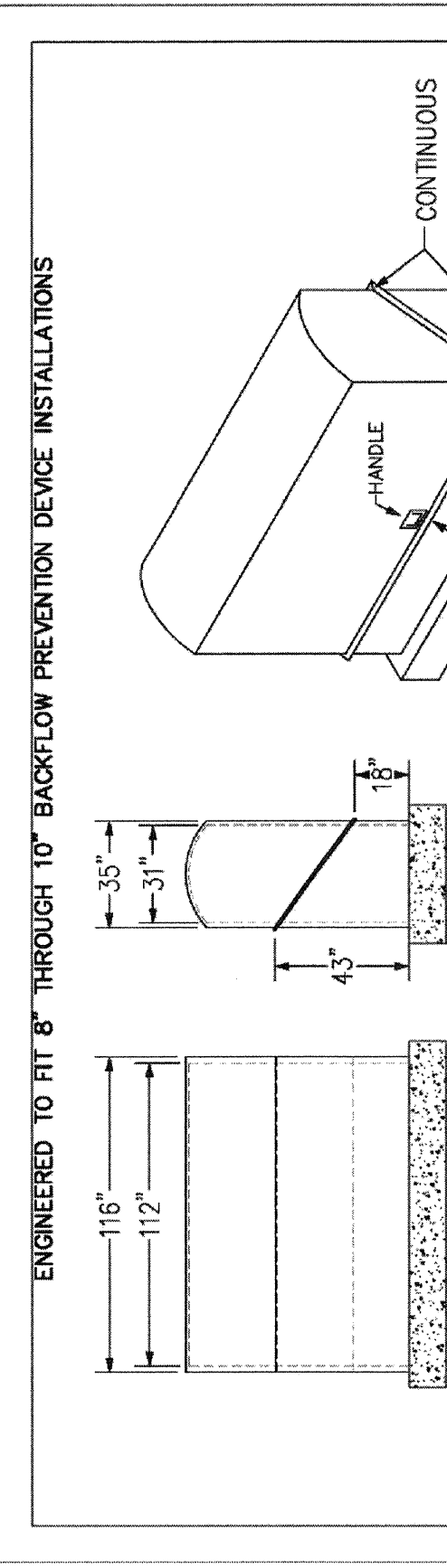
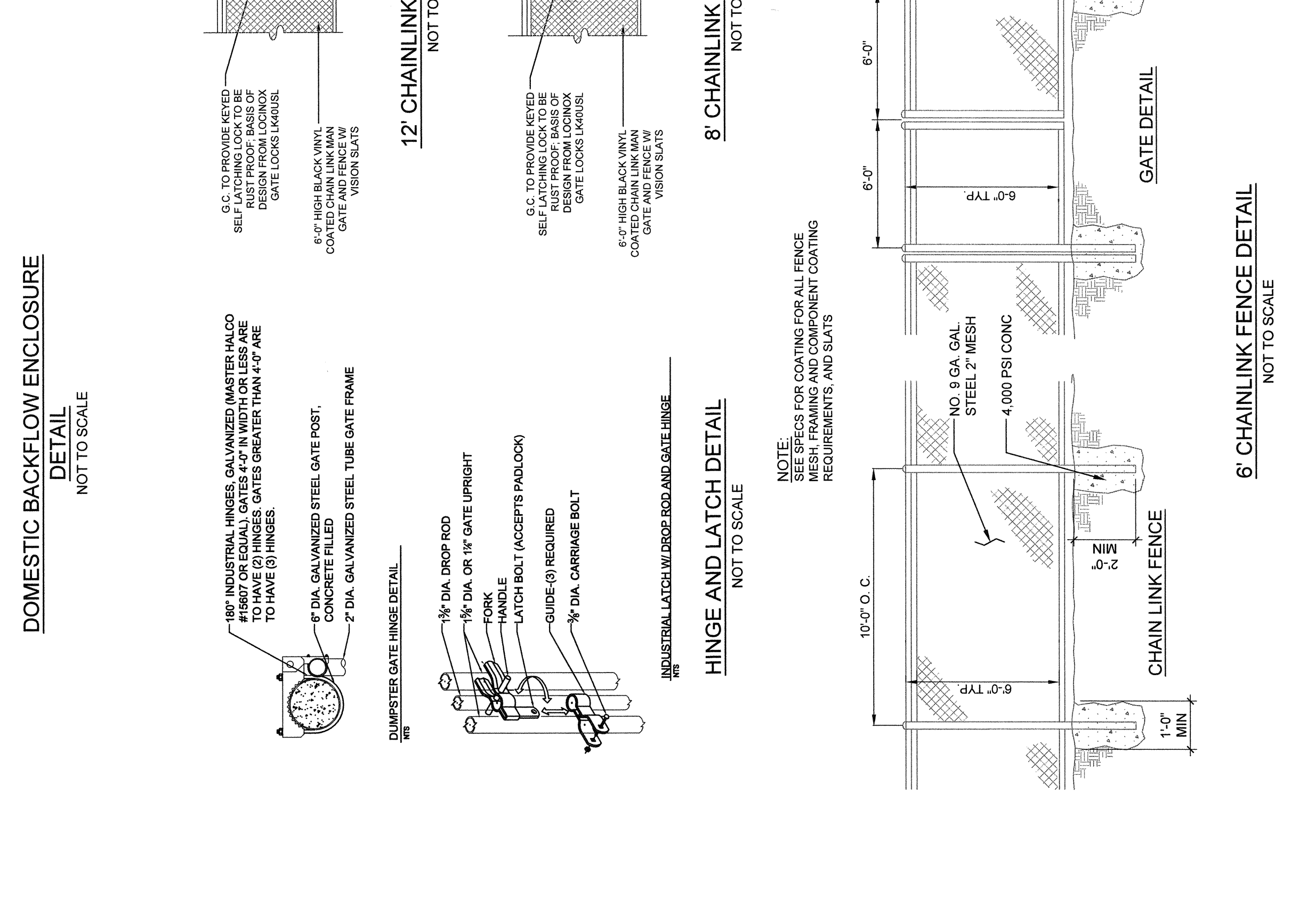
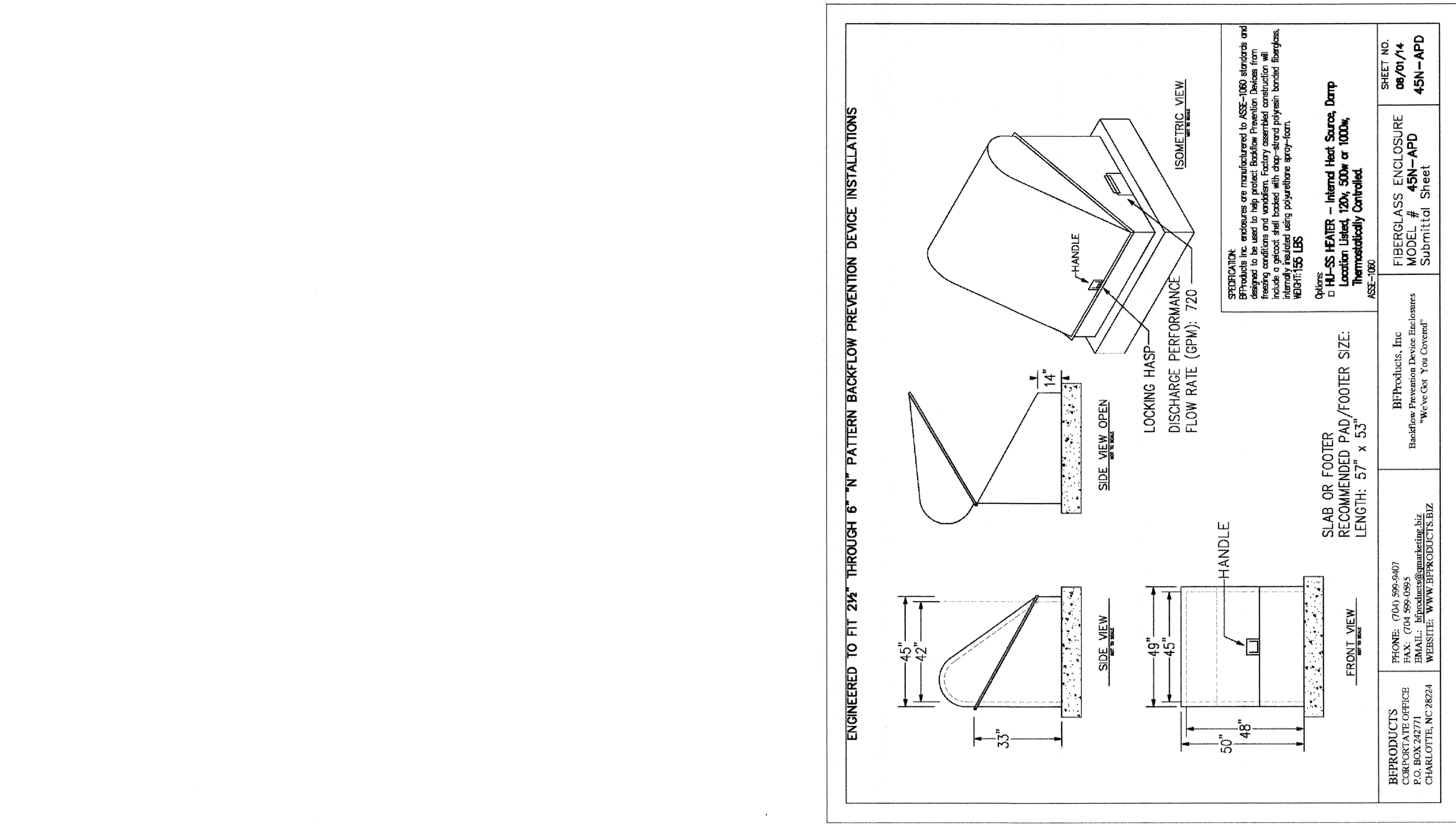
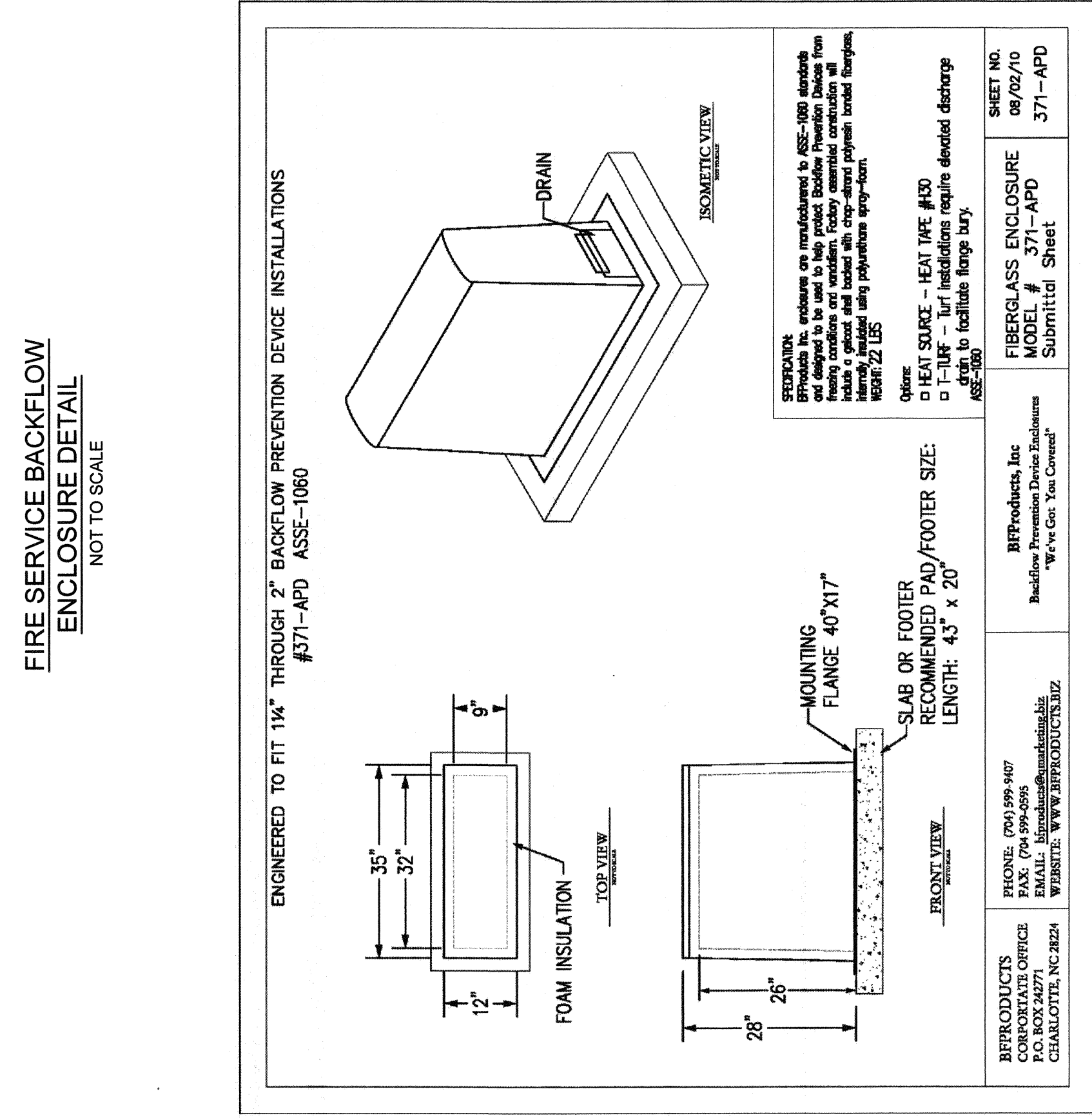
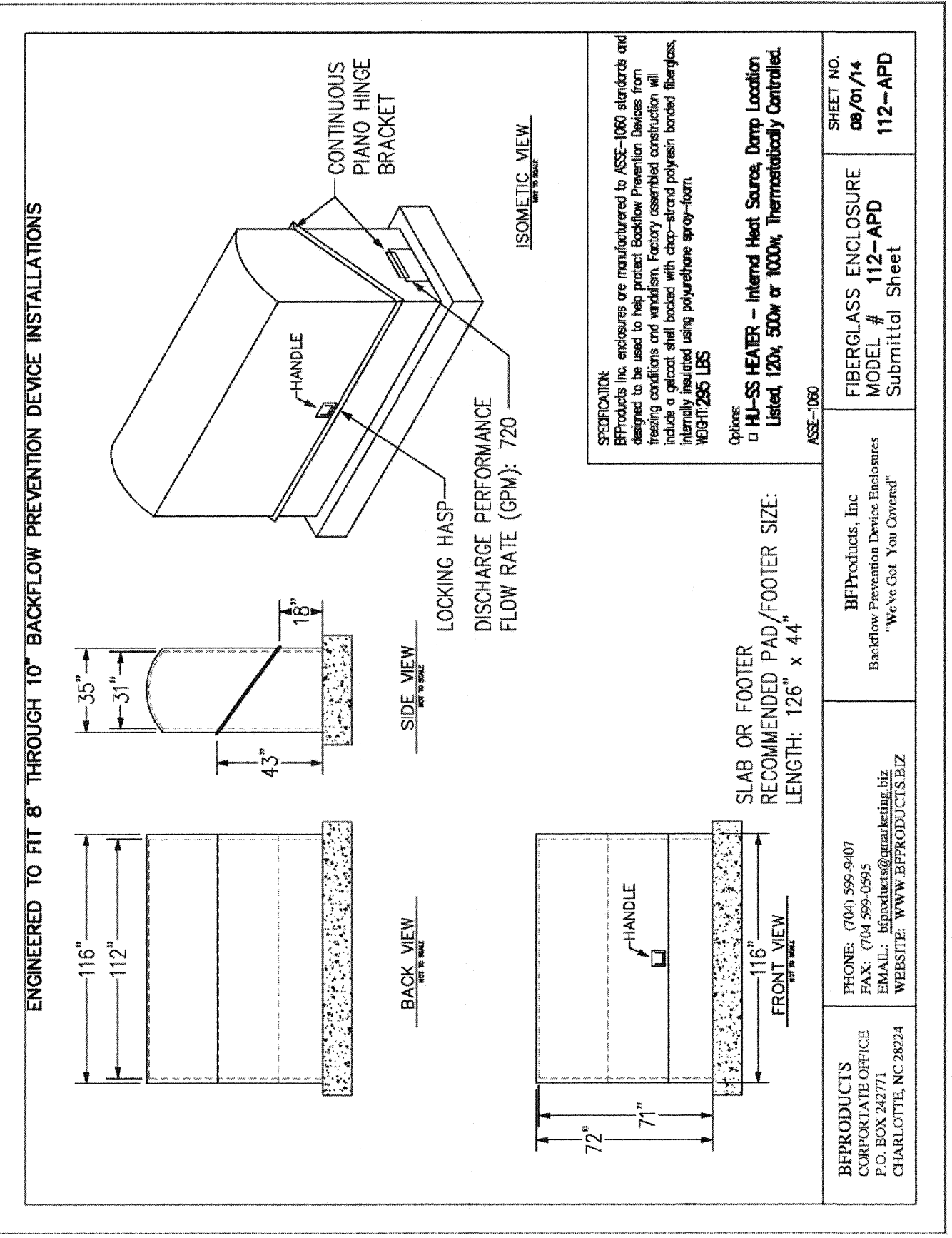
TRACER WIRE DETAIL
SD-21 NOT TO SCALE



TRACER WIRE DETAIL
SD-21 NOT TO SCALE

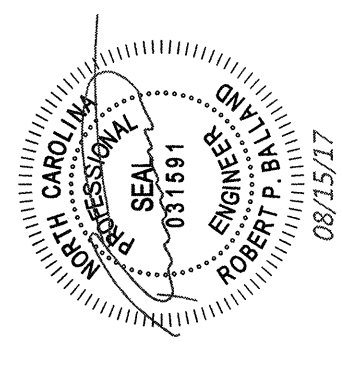
GENERAL NOTES:
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES BEFORE CONSTRUCTION BEGINS.
2. ANY CONTRACTOR IS RESPONSIBLE FOR TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES TO BE INSTALLED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
3. THE CONTRACTOR IS RESPONSIBLE FOR STABILIZATION OF ALL DISTURBED AREAS.
4. THE CONTRACTOR IS RESPONSIBLE FOR LAY DOWN AND STOCKPILE AREAS (TO ARRANGE AND ENSURE COMPLIANCE WITH ALL LOCAL AND STATE REGULATIONS).

THE DETAILS SHOWN HEREON SUPERCEDE VERSIONS 1.00 - 1.04
WRITTEN TECHNICAL SPECIFICATIONS VERSIONS 1.00 - 1.04

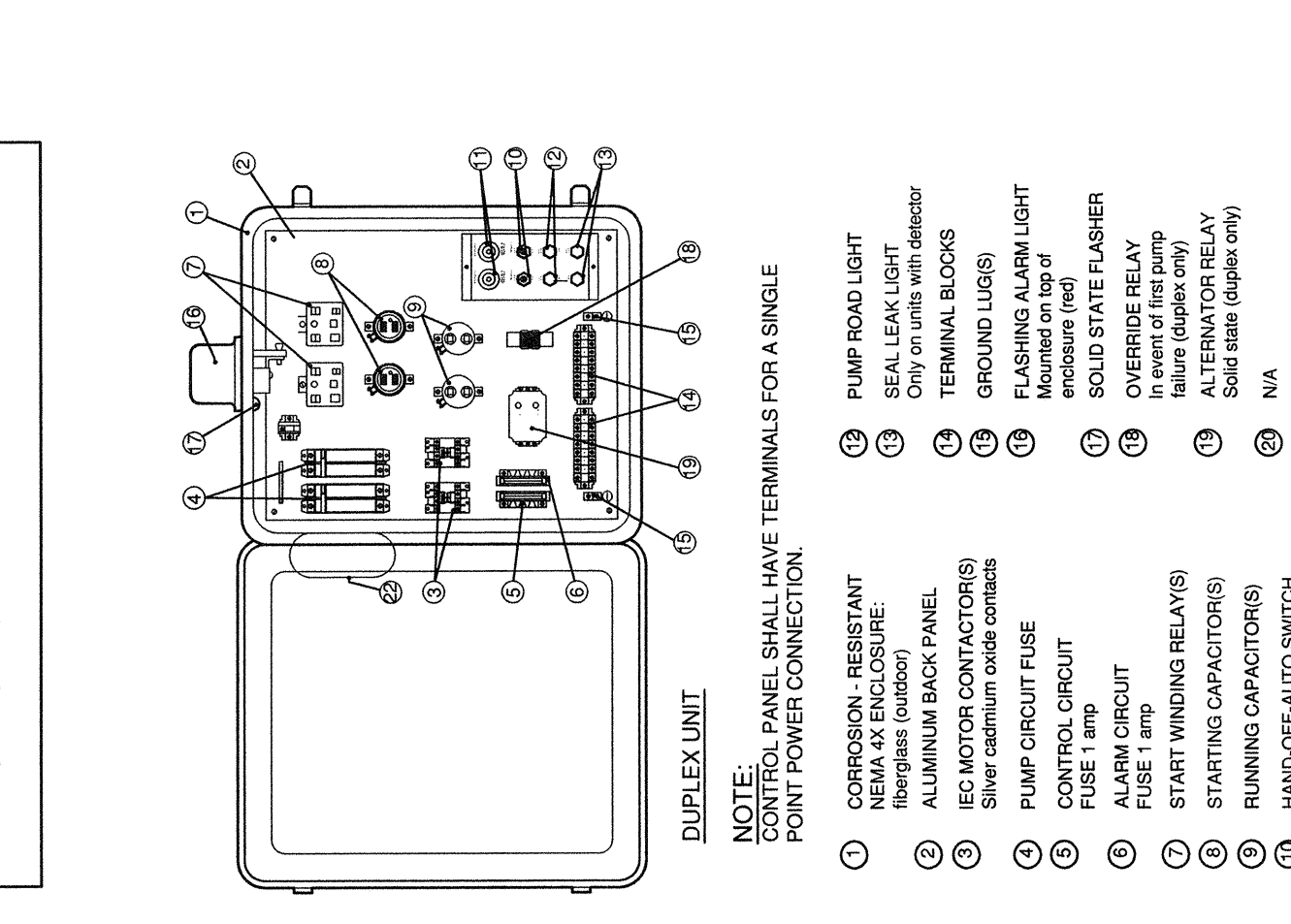
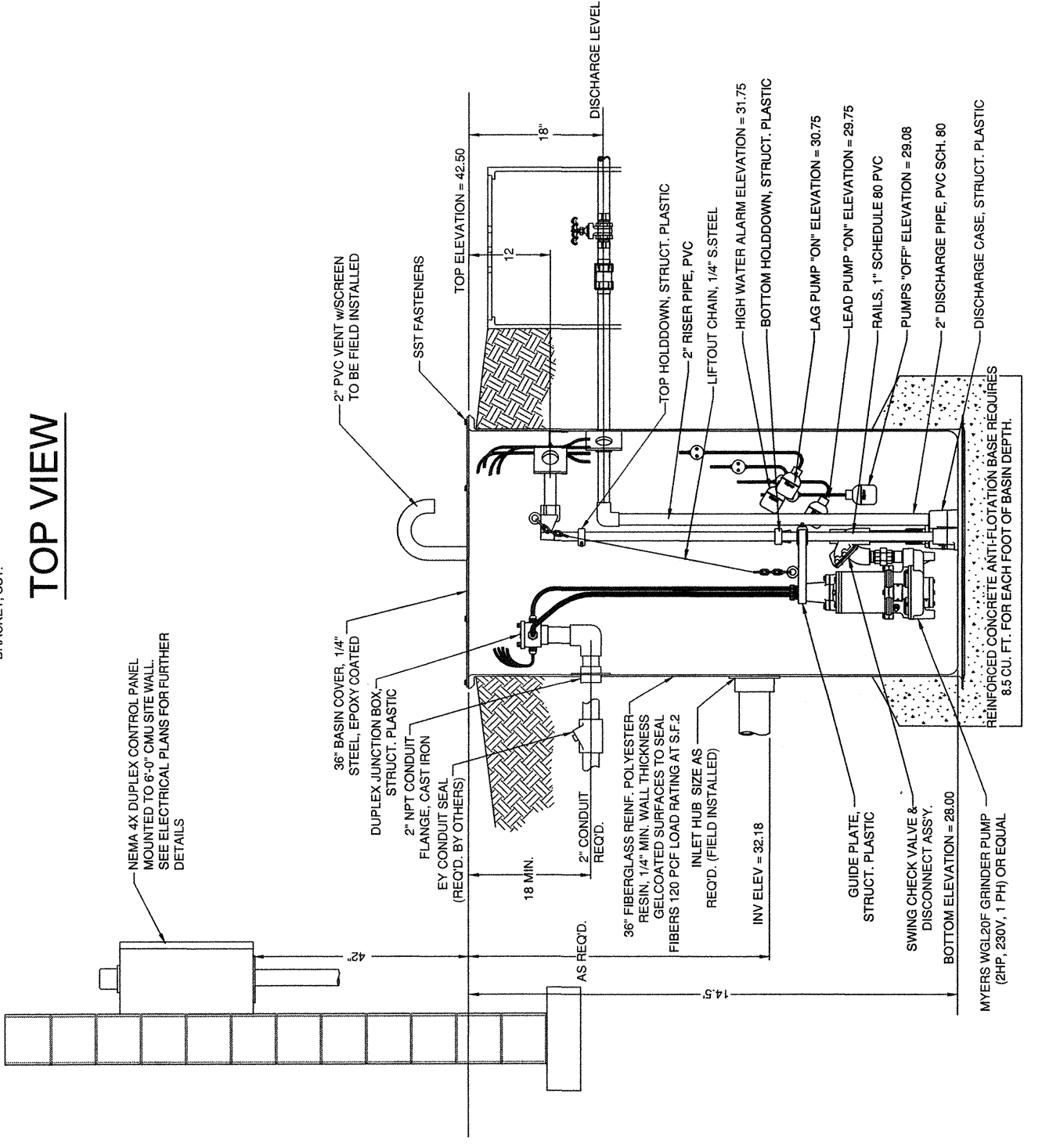


PARAMOUNT ENGINEERING
122 Cinema Drive
Wilmington, North Carolina 28403
(910) 791-6700 (O) (910) 791-6760 (F)

**SFS/A
SVC/FQC
100%
DISTRIBUTION**

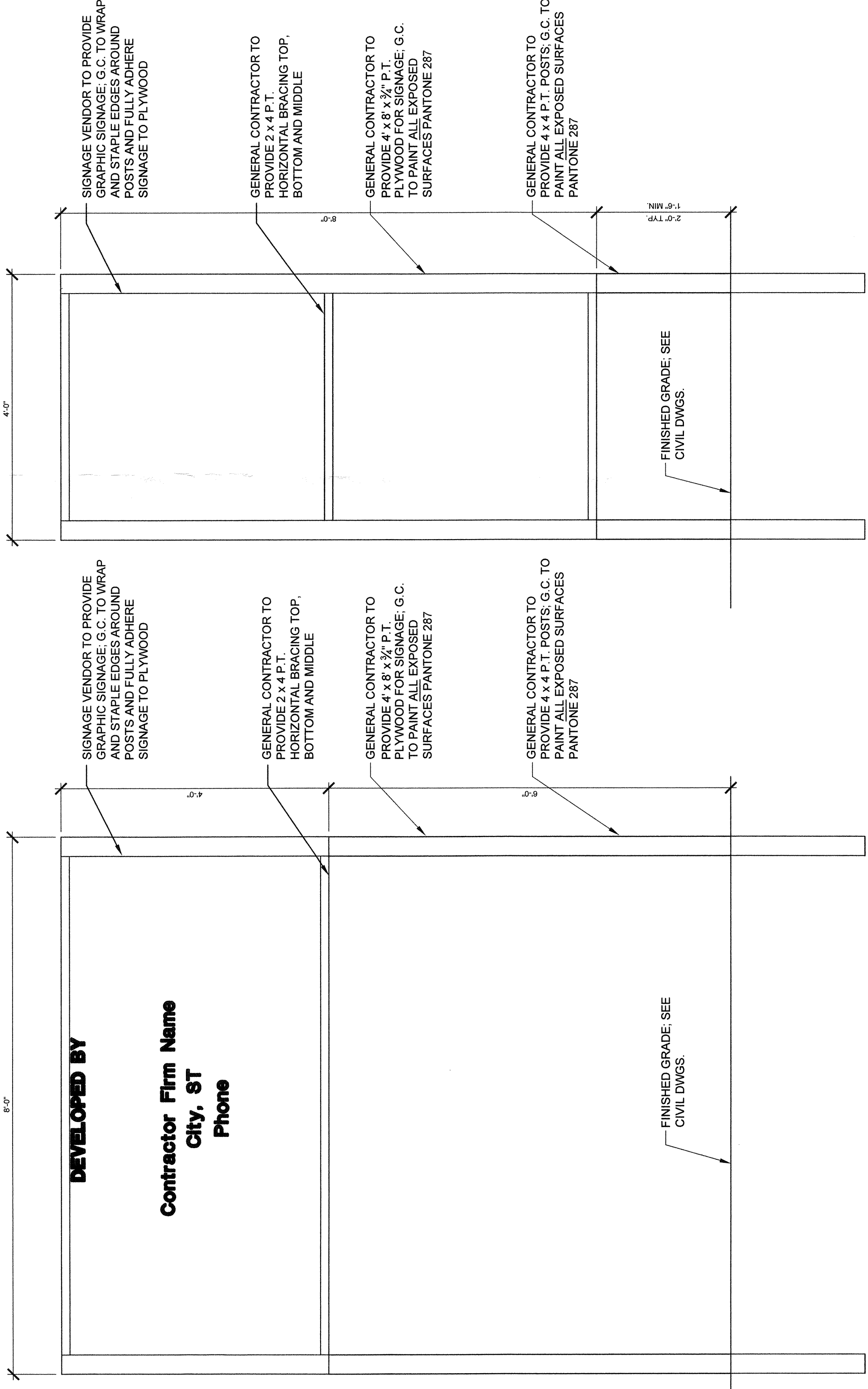


DUPLEX GRINDER PUMP STATION
NOT TO SCALE

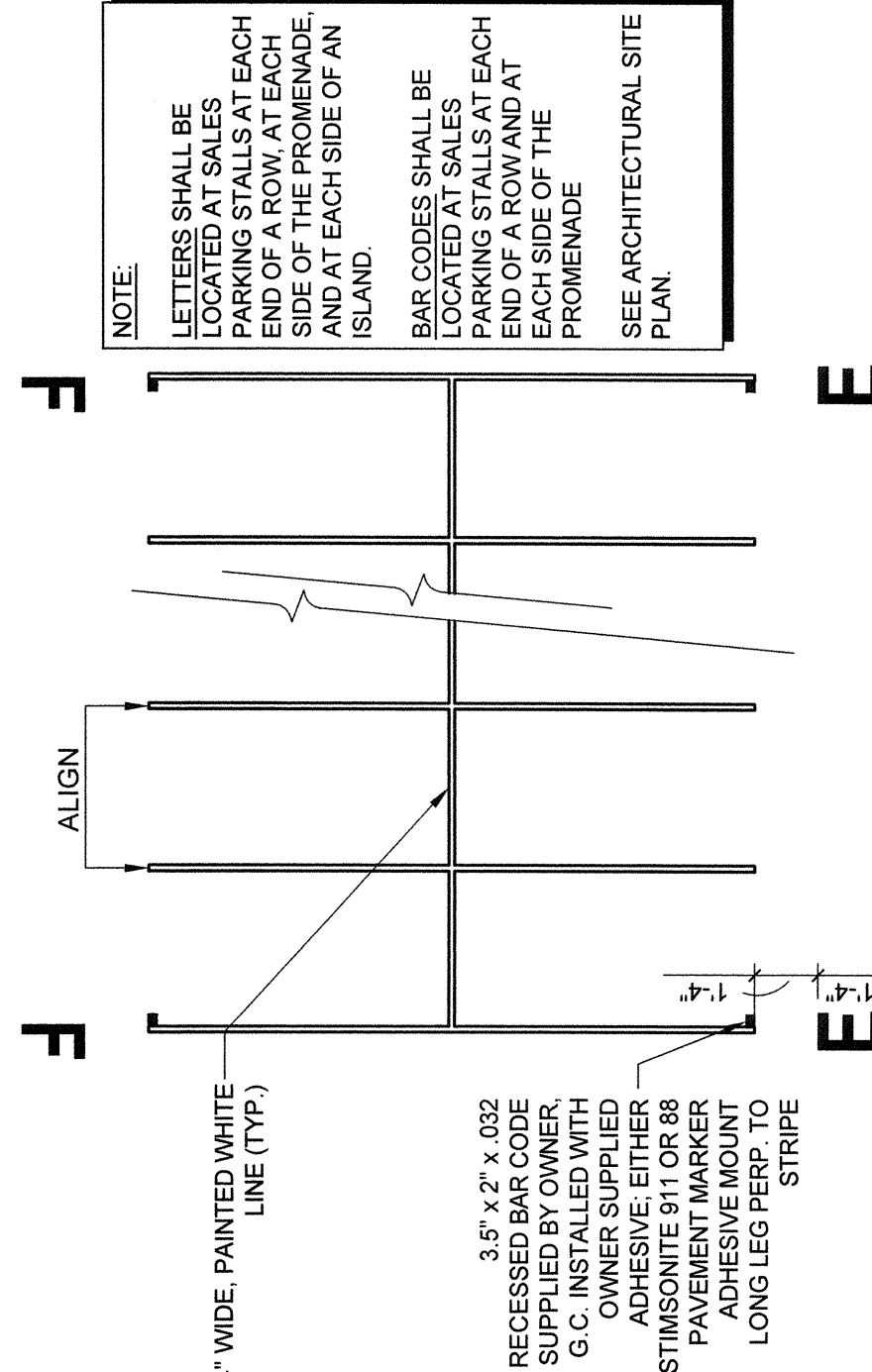


DUPLEX LIFT STATION PANEL WITH AUTOMATIC TRANSFER SWITCH
NOT TO SCALE

NOTE: CONTRACTOR SHALL REFER TO ELECTRICAL PLANS FOR FURTHER DETAIL ON THE AUTOMATIC TRANSFER SWITCH AND THE BACKUP GENERATOR.



COMING SOON SIGNS
NOT TO SCALE



TYP. SALES LOT IDENTIFIERS
NOT TO SCALE

REV#	DATE	DESCRIPTION	BY
07	MAR 17	CHECKPOINT #1	
11	APR 17	CHECKPOINT #2	
26	APR 17	100% DISTRIBUTION	

REVISIONS	CHECKED BY	DATE
07 MAR 17	RFB	
11 APR 17	RFB	
26 APR 17	RFB	

RELEASED FOR CONSTRUCTION	LATEST D.A.P.C.
DA17-0046 P.C17-006	

THE AUTO SUPERSTORE
6030 MARKET STREET
WILMINGTON, NC 28405

PROJECT NO. 20-15081.02
DATE 25 APR 17
SHEET TITLE DETAILS

811
Know what's below
Call before you dig.

Approved Construction Plan
Date: 8/17/17
Signed: [Signature]
Planned: [Signature] 8-17-17
Traffic: [Signature] 8-17-17
File: [Signature] 8-17-17

NC DEPARTMENT OF TRANSPORTATION
APPROVED STORMWATER MANAGEMENT PLAN
Date: 8/17/17
Signed: [Signature]
Planned: [Signature] 8-17-17
Traffic: [Signature] 8-17-17
File: [Signature] 8-17-17

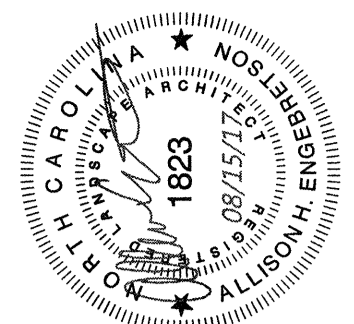
For each open utility cut of 48\"/>

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

C-5.8
SHEET NO.

**SFS/A
 SVC/FQC
 100%
 DISTRIBUTION**



REV#	DATE	DESCRIPTION	BY
01	07 MAR 17	CHECKPOINT #1	JCM
02	11 APR 17	CHECKPOINT #2	JCM
03	25 APR 17	100% DISTRIBUTION	RFB

RELEASED FOR CONSTRUCTION
 LATEST DATE: 04/17/2017
 DRAWN BY: JCM
 CHECKED BY: RFB

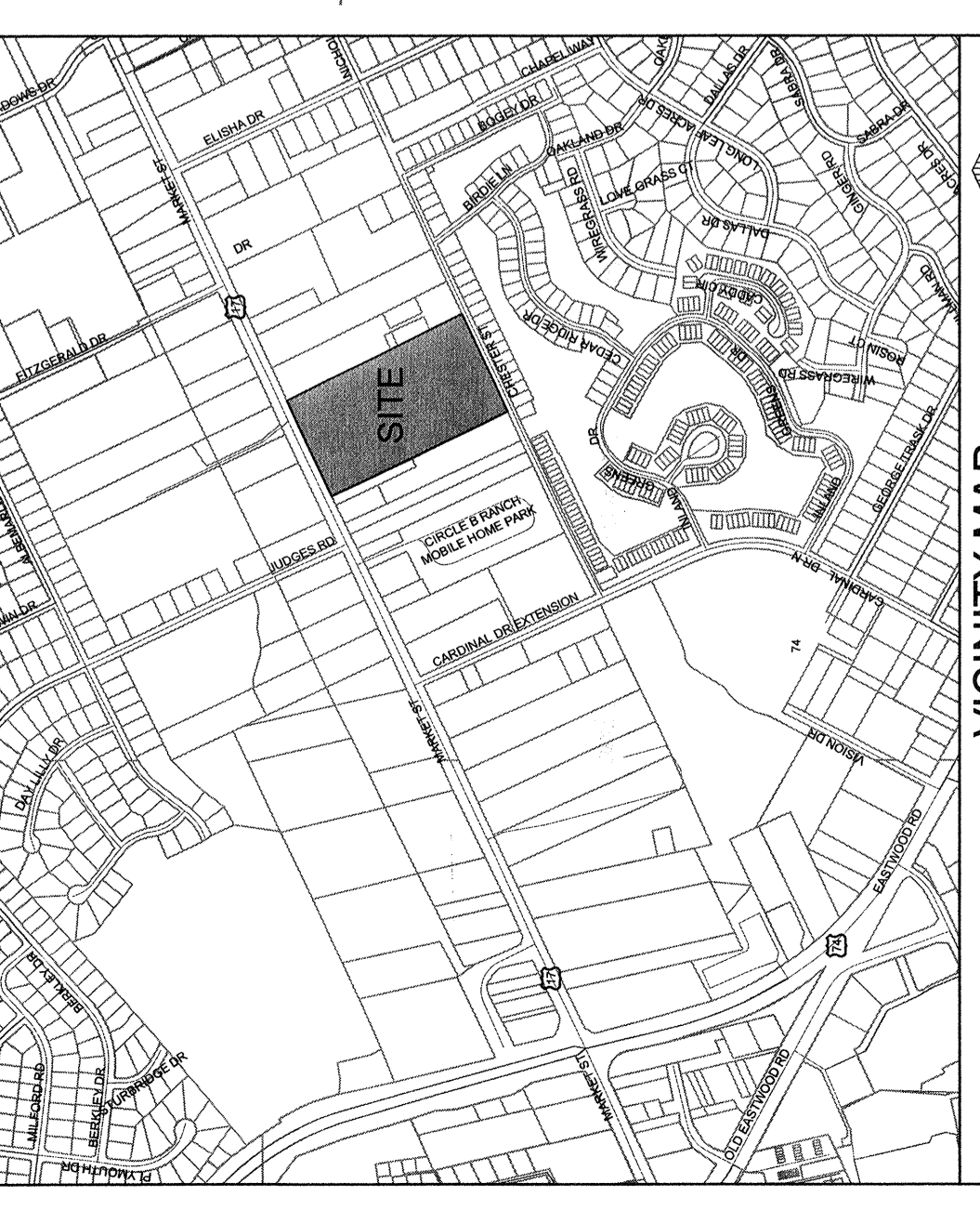
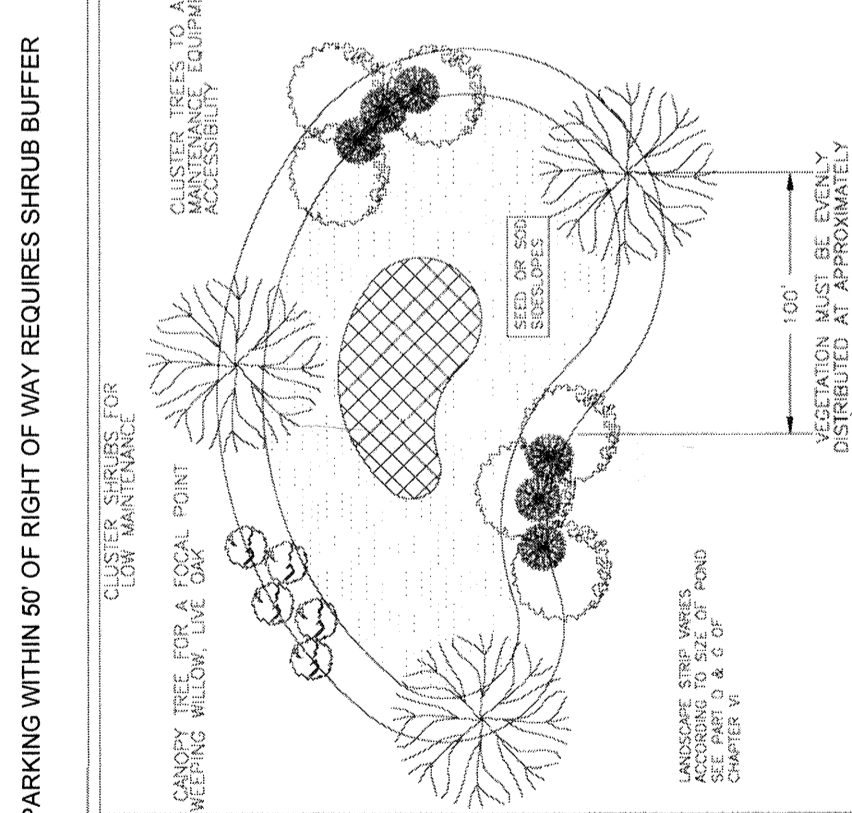
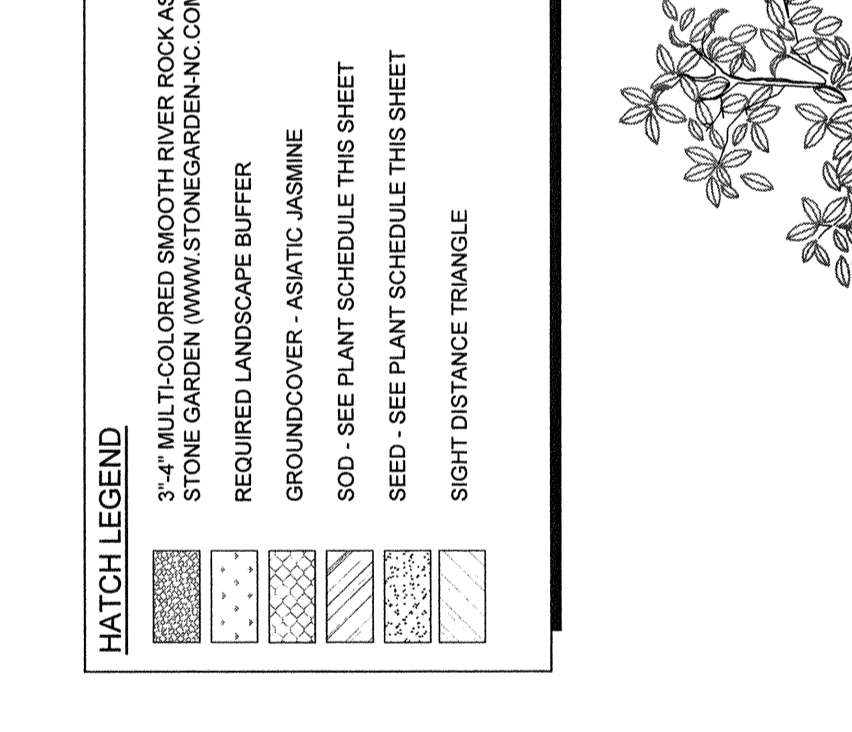
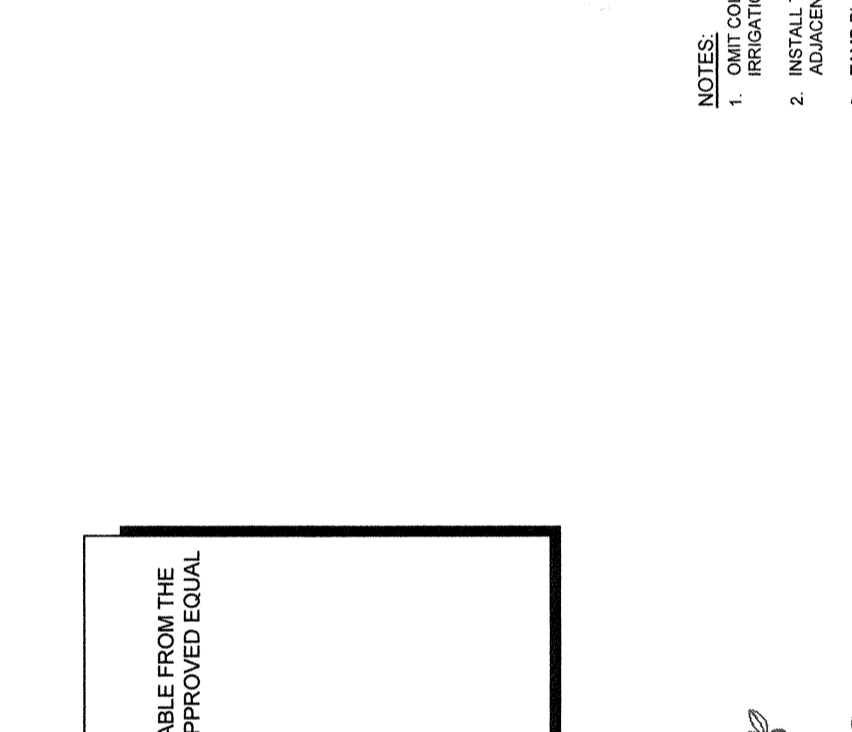
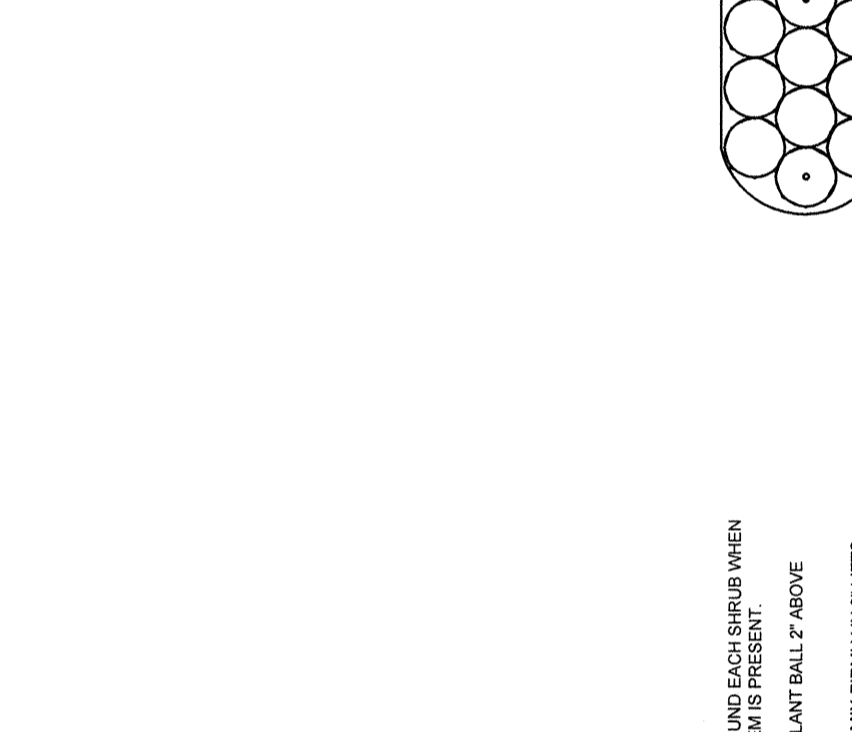
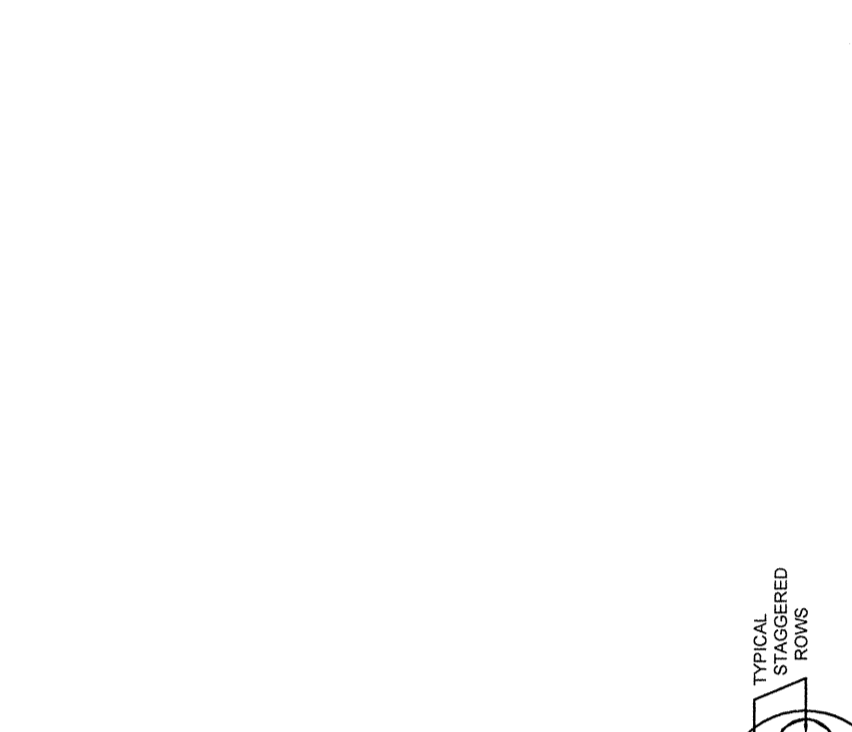
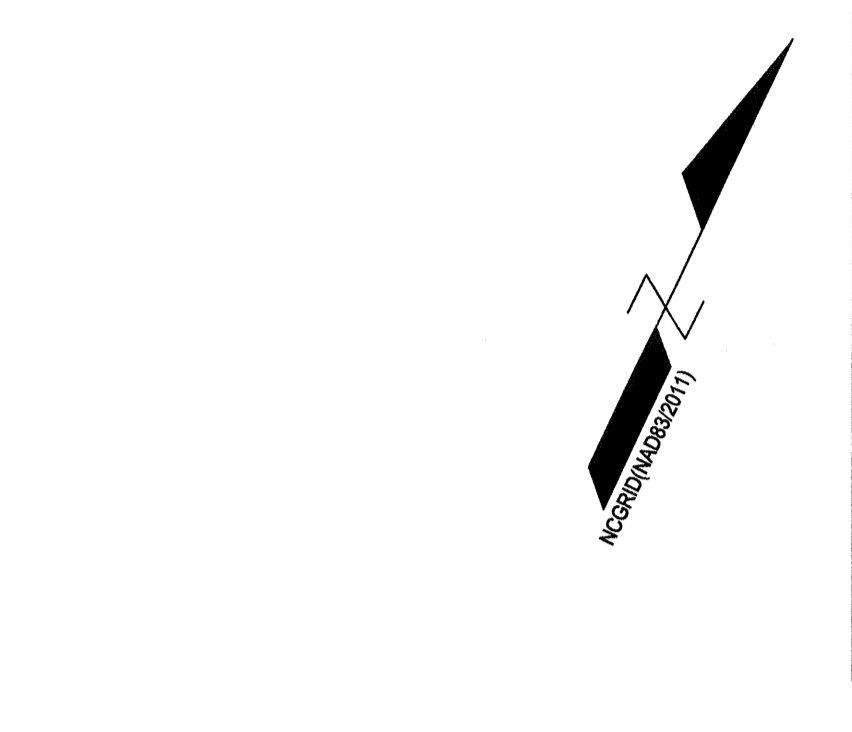
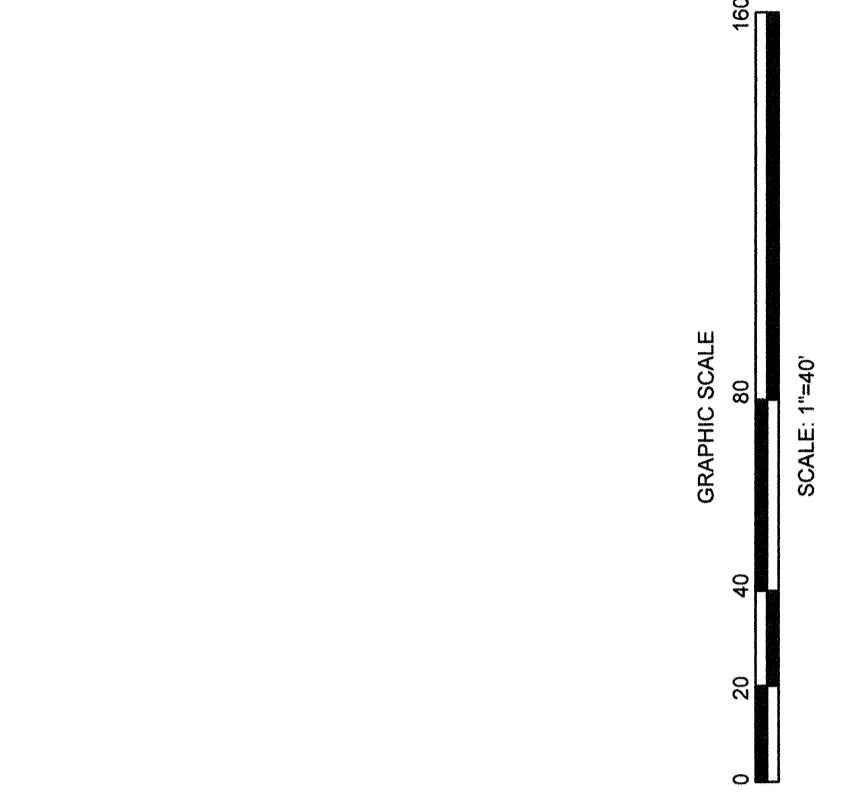
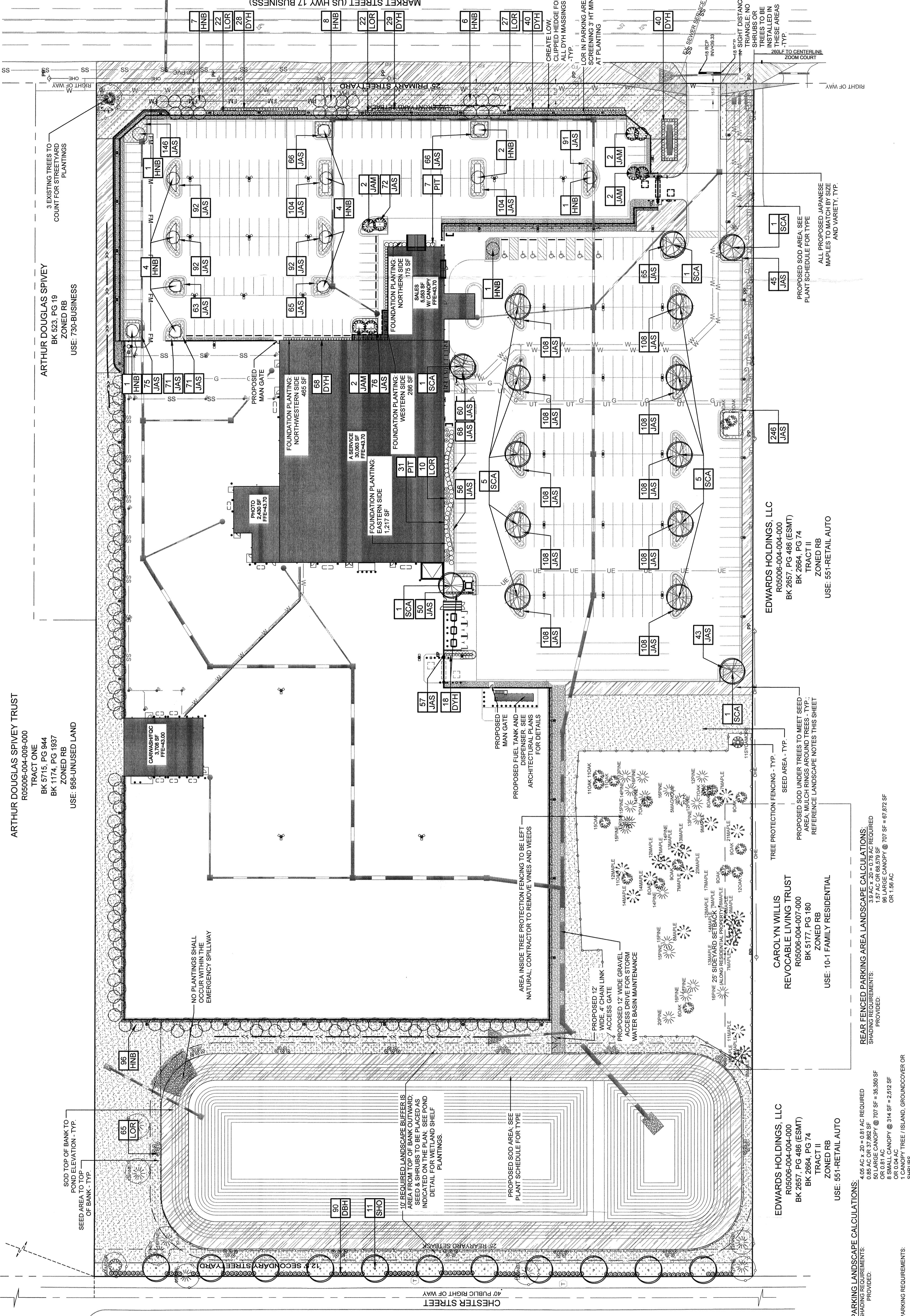
CARMAX
 THE AUTO SUPERSTORE
 STORE NUMBER 6022
 6030 MARKET STREET
 WILMINGTON, NC 28405

PROJECT NO. 20-15081.02
DATE 25 APR 17
SHEET TITLE LANDSCAPE PLAN
SHEET NO. L-1.0

811
 Know what's below.
 Call before you dig.
 For each open utility cut of City streets, a \$325 permit shall be required from the City of Wilmington, NC, and/or project acceptance.

WILMINGTON
 Public Services • Engineering Division
 APPROVED STORMWATER MANAGEMENT PLAN
 Date: 8/17/17
 Approved Construction Plan
 Planning: [Signature]
 Traffic: [Signature]
 Fire: [Signature]

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION



SITE DATA TABULATION
 OWNER: CARMAX OF WILMINGTON
 PROJECT ADDRESS: WILMINGTON, NC 28403
 TAX PARCEL IDENTIFICATION #: R05006-004-000-000 (13.83 AC) - LOT 1
 R05006-004-000-000 (1.29 AC) - LOT 2
 BK 2864 PG 331 (ESMT) - LOT 1
 BK 2864 PG 324 (ESMT) - LOT 2
 BK 1424 PG 1329 - LOT 2
 REGIONAL BUSINESS
 URBAN
 UNDEVELOPED
 AUTOMOBILE DEALER - USED

LANDSCAPE CALCULATIONS
 REQUIRED FOUNDATION PLANTINGS (BOLD LENGTH X BOLD HEIGHT X 12")
 PROVIDED: 1,217 SF
 PROVIDED: 175 SF
 PROVIDED: 288 SF
 PROVIDED: 465 SF
STREET YARD CALCULATIONS
 REQUIRED PRIMARY STREET YARD (LENGTH OF FRONTAGE - DRIVEWAY) X 24
 PROVIDED: 15,118 SF
LANDSCAPE NOTES:
 1. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION AND ALL PUBLIC OR PRIVATE UTILITIES. CONTRACTOR SHALL BE LIABLE FOR DAMAGE TO ANY AND ALL UTILITIES.
 2. ALL PLANTINGS SHALL MEET THE CURRENT VERSION OF THE AMERICAN ASSOCIATION OF NURSERYMEN'S STANDARDS.
 3. NO TREE OTHER THAN THOSE SHOWN ON APPROVED PLANS FOR REMOVAL WITH THESE PLANS AND/OR THESE REMOVAL PLANS SHALL BE REMOVED WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT.
 4. EXISTING TREES SHALL BE MULCHED WITH 3 INCH MINIMUM AND 4 INCH MAXIMUM DEPTH PINE STRAW MULCH UNLESS OTHERWISE NOTED.
 5. PLANTINGS SHALL BE CONNECTED TO ONE PLANTING BED WITH THE EDGE OF MULCH EXTENDING 2 FEET BEYOND THE EDGE OF PLANT MASS. ALL SINGLE TREES (INCLUDING BOTH PROPOSED AND EXISTING TREES) SHALL BE MULCHED WITH 3 INCH MINIMUM AND 4 INCH MAXIMUM DEPTH PINE STRAW MULCH UNLESS OTHERWISE NOTED.
 6. QUANTITIES RECOMMENDED BY THE SOIL TESTING LABORATORY, THIRD PARTY RECOGNIZED BY THE STATE OF NORTH CAROLINA, SHALL BE USED FOR ALL SOIL AMENDMENTS AND FERTILIZERS IN THE SITE.
 7. ANY AND ALL SUBSTITUTIONS OF PLANT MATERIAL SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE. FAILURE IN OBTAINING APPROVAL MAY RESULT IN LIABILITY TO THE CONTRACTOR.
 8. THE CONTRACTOR SHALL REPLACE DEAD AND/OR UNHEALTHY PLANT MATERIAL WITHIN 12 MONTHS OF ACCEPTANCE OF THE INSTALLED MATERIAL FROM THE OWNER OR OWNER'S REPRESENTATIVE.
 9. ALL PLANTINGS SHALL BE PLACED WITH STAGGERED JOINTS AND NO GAPS BETWEEN PLANTS OR HAND WATERED. ALL SOD SHALL BE PLACED WITH STAGGERED JOINTS AND NO GAPS BETWEEN PLANTS.
 10. ALL PLANTINGS SHALL BE PLACED WITH STAGGERED JOINTS AND NO GAPS BETWEEN PLANTS.
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PLANT SCHEDULE

TREES	QTY	COMMON NAME	SIZE
HNB	131	PYRAMIDAL EUROPEAN HORSEBEECH	2.5' CAL
LOR	9	CARINUS BETULIFOLIA FASTIGIATA	8' HOT IRON
JAM	6	ACER PALMATUM	2.5' CAL
SCA	15	SCARLET OAK	2.5' CAL
SHO	11	SHUMWAY RED OAK	2.5' CAL
		QUERCUS SHAMARUM	
SHRUBS	QTY	COMMON NAME	CONT
DTH	90	DIWIDY BURNING BUSH	7 GAL
BYH	223	BORDEAUX HOLLY	7 GAL
LOR	146	ILEX VOMITORIA BORDEAUX	7 GAL
PIT	38	PIRENEAN PINE	7 GAL
		PIRENEAN PINE	
GROUND COVERS	QTY	COMMON NAME	CONT
JAS	3,171	ASATIC JASMINE	4' POT
		TRACHELOSPERMUM 'ASATIC'	
SOD/SEED	QTY	COMMON NAME	CONT
SEED	65,972 SF	BERMUDA GRASS	SEED
SOD	73,183 SF	CYNODON DACTYLON 'TIF 419'	SOD
		CYNODON DACTYLON 'TIF 419'	

TREE NOTES:
 1. ALL TREES EXCEPT JAPANESE MAPLES ARE LARGE SHADE TREES
 2. ALL TREES SHALL BE PLACED WITH STAGGERED JOINTS AND NO GAPS BETWEEN PLANTS
 3. ALL TREES SHALL BE PLACED WITH STAGGERED JOINTS AND NO GAPS BETWEEN PLANTS
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LANDSCAPE CALCULATIONS
 0.86 AC @ 20 = 17.20 AC REQUIRED
 50 LARGE CANOPY @ 17' SF = 850 SF
 1.57 AC @ 37,862 SF = 59,543 SF
 8 SMALL CANOPY @ 314 SF = 2,512 SF
 OR 0.04 AC @ 68,679 SF = 2,747 SF
 ON 1.58 AC

PARKING REQUIREMENTS:
 50 LARGE CANOPY @ 17' SF = 850 SF
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