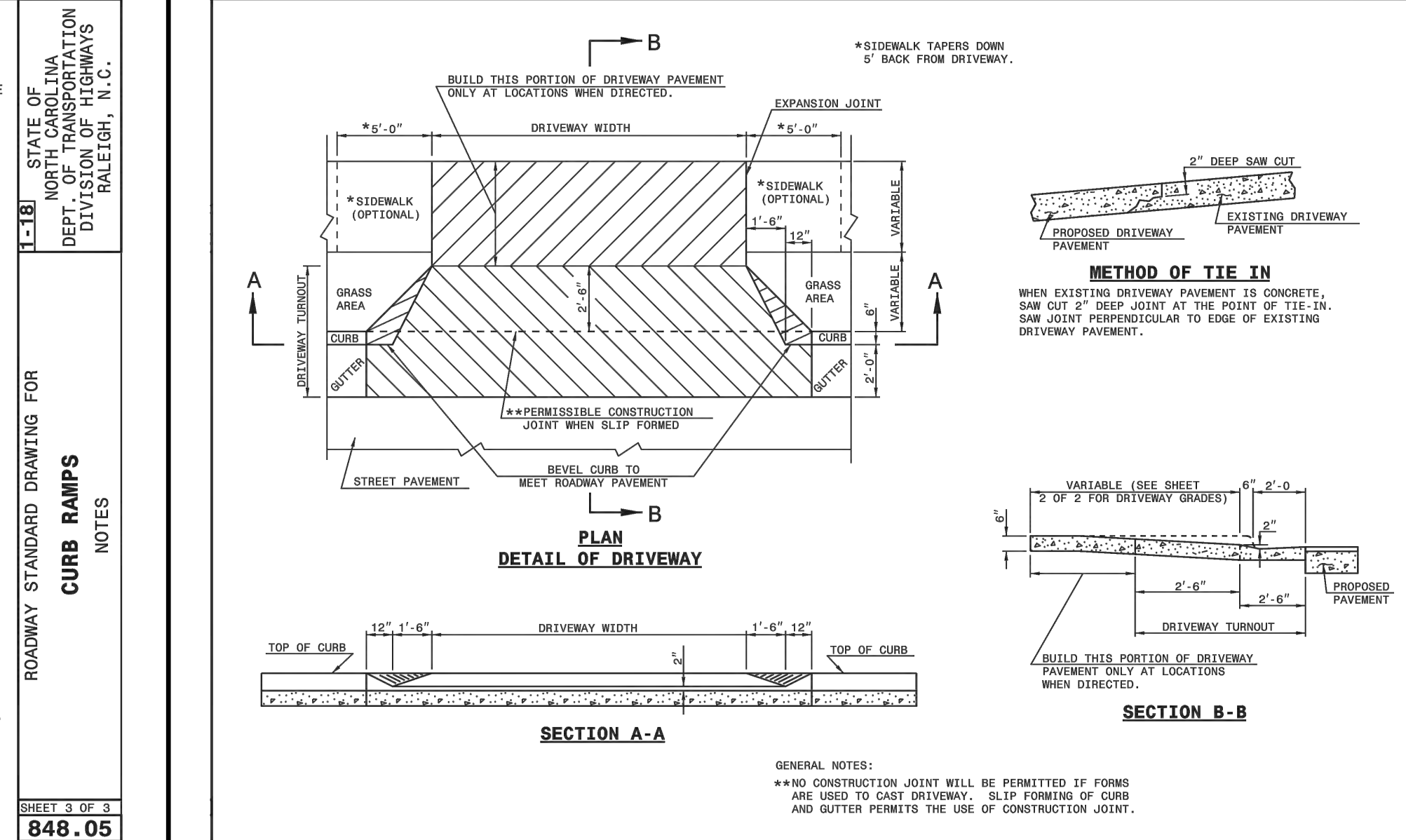
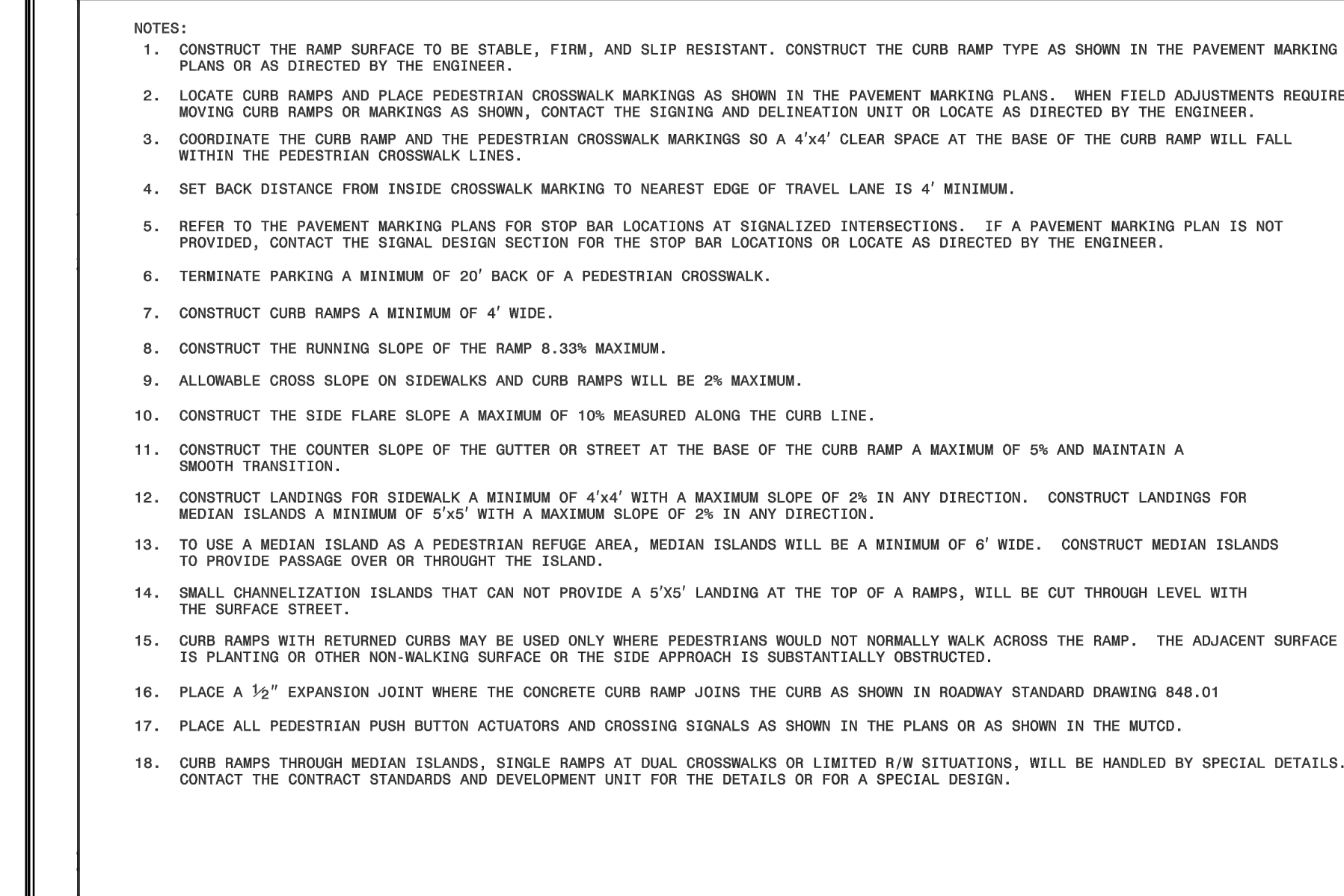
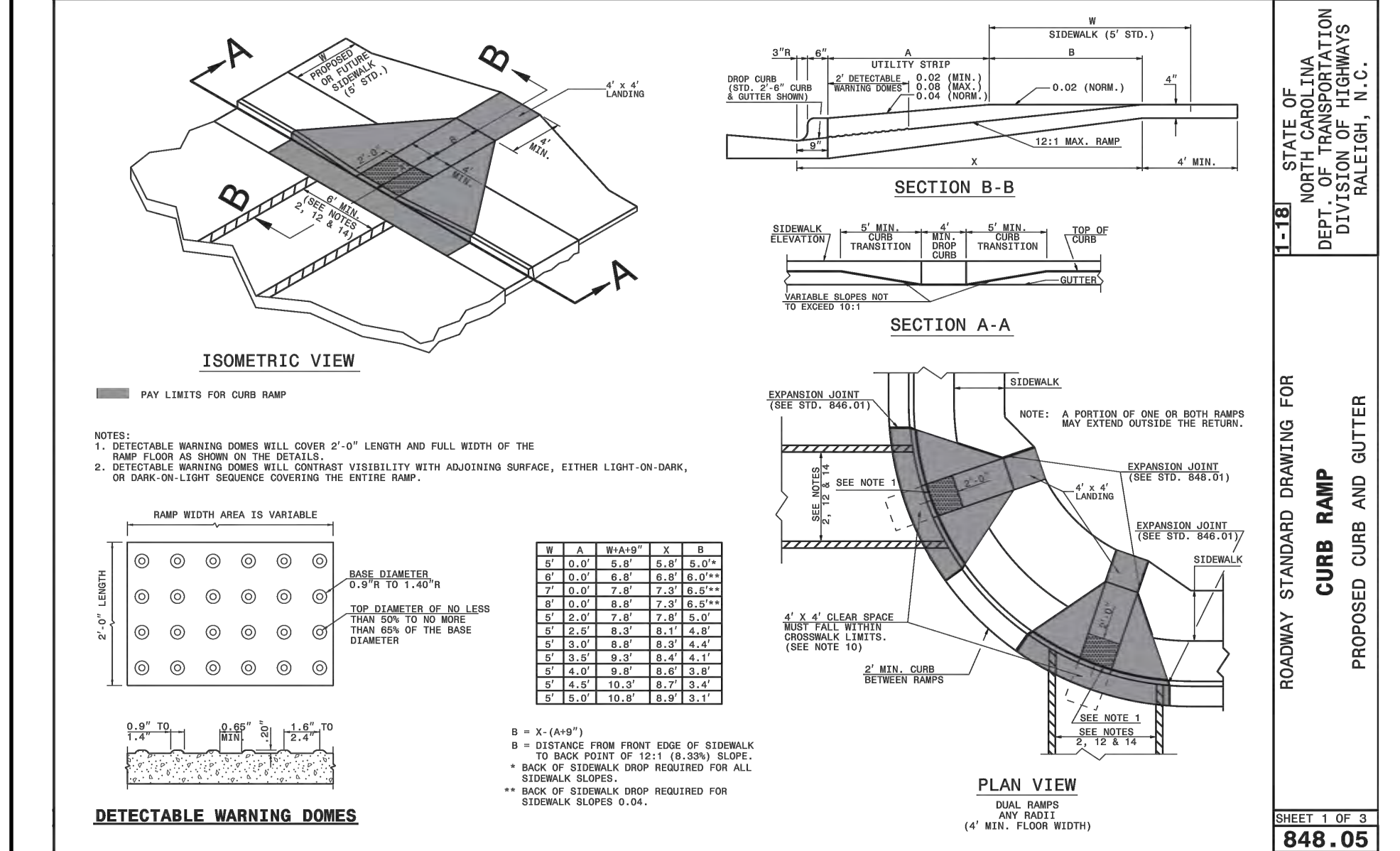


**1**  
C9.3  
**PIPE COLLAR**  
NCDOT 840.72 SHT 1 OF 1  
-NTS-

**2**  
C9.3  
**CONCRETE CURB, GUTTER AND CURB & GUTTER**  
NCDOT 846.01 SHT 1 OF 3  
-NTS-

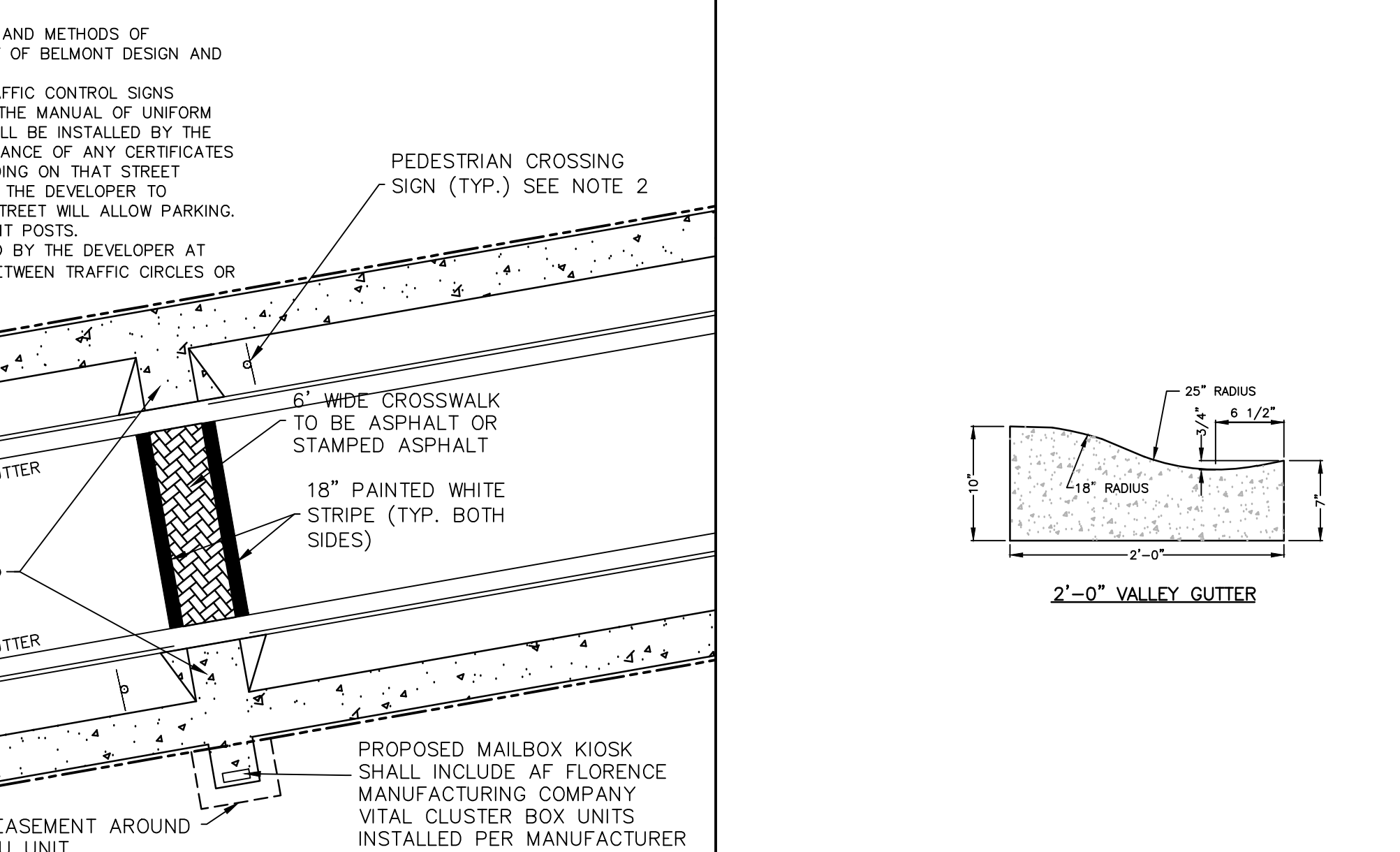
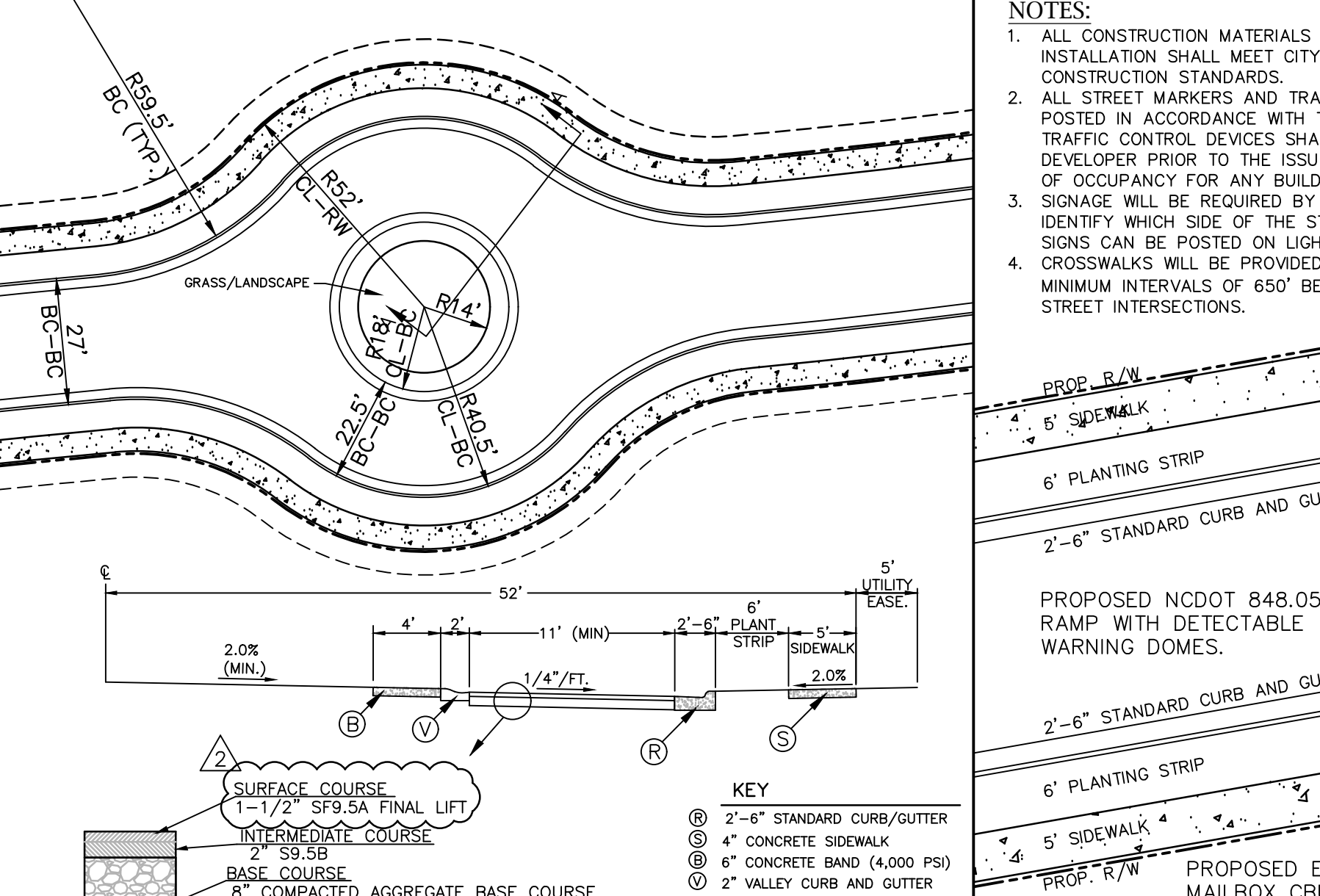
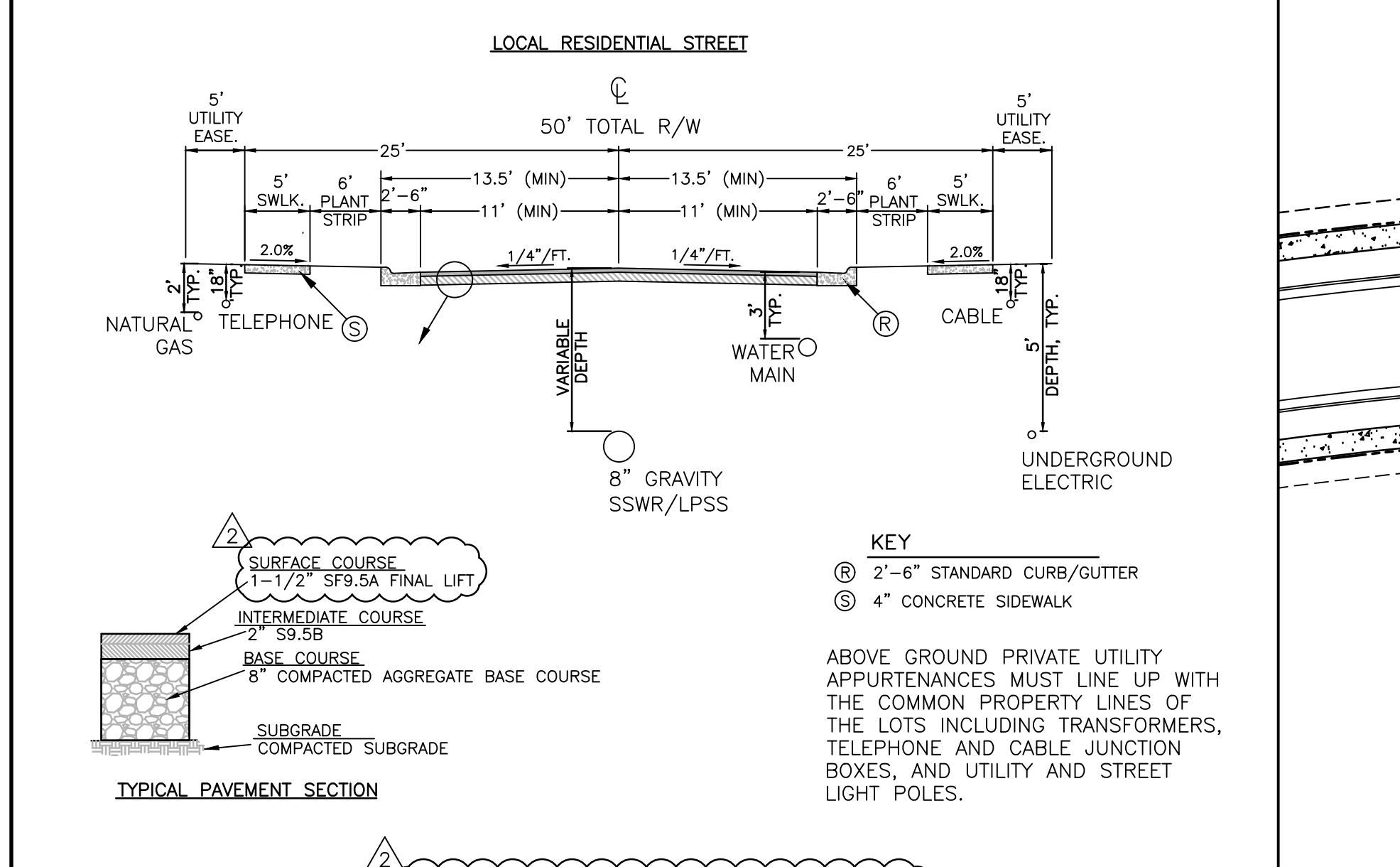
**3**  
C9.3  
**CONCRETE SIDEWALK**  
NCDOT 848.01 SHT 1 OF 1  
-NTS-



**4**  
C9.3  
**CURB RAMP**  
NCDOT 848.05 SHT 1 OF 3  
-NTS-

**5**  
C9.3  
**CURB RAMP**  
NCDOT 848.05 SHT 3 OF 3  
-NTS-

**6**  
C9.3  
**DRIVEWAY TURNOUT**  
NCDOT 848.03 SHT 1 OF 2  
-NTS-



**7**  
C9.3  
**50' RIGHT OF WAY LOCAL RESIDENTIAL ROAD**  
-NTS-

**8**  
C9.3  
**52' RIGHT OF WAY TRAFFIC CIRCLE**  
-NTS-

**10**  
C9.3  
**CROSSWALK AND MAILBOX CBU**  
-NTS-

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 PHONE 704.510.1979

STATE OF NORTH CAROLINA  
 DEPT. OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR  
**CONCRETE SIDEWALK**

SHEET 1 OF 1  
**848.01**

STATE OF NORTH CAROLINA  
 DEPT. OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR  
**DRIVEWAY TURNOUT**  
 DROP CURB TYPE

SHEET 1 OF 2  
**848.03**

**RIVERMIST SUBDIVISION**  
 SOUTH POINT ROAD  
 BELMONT, NC

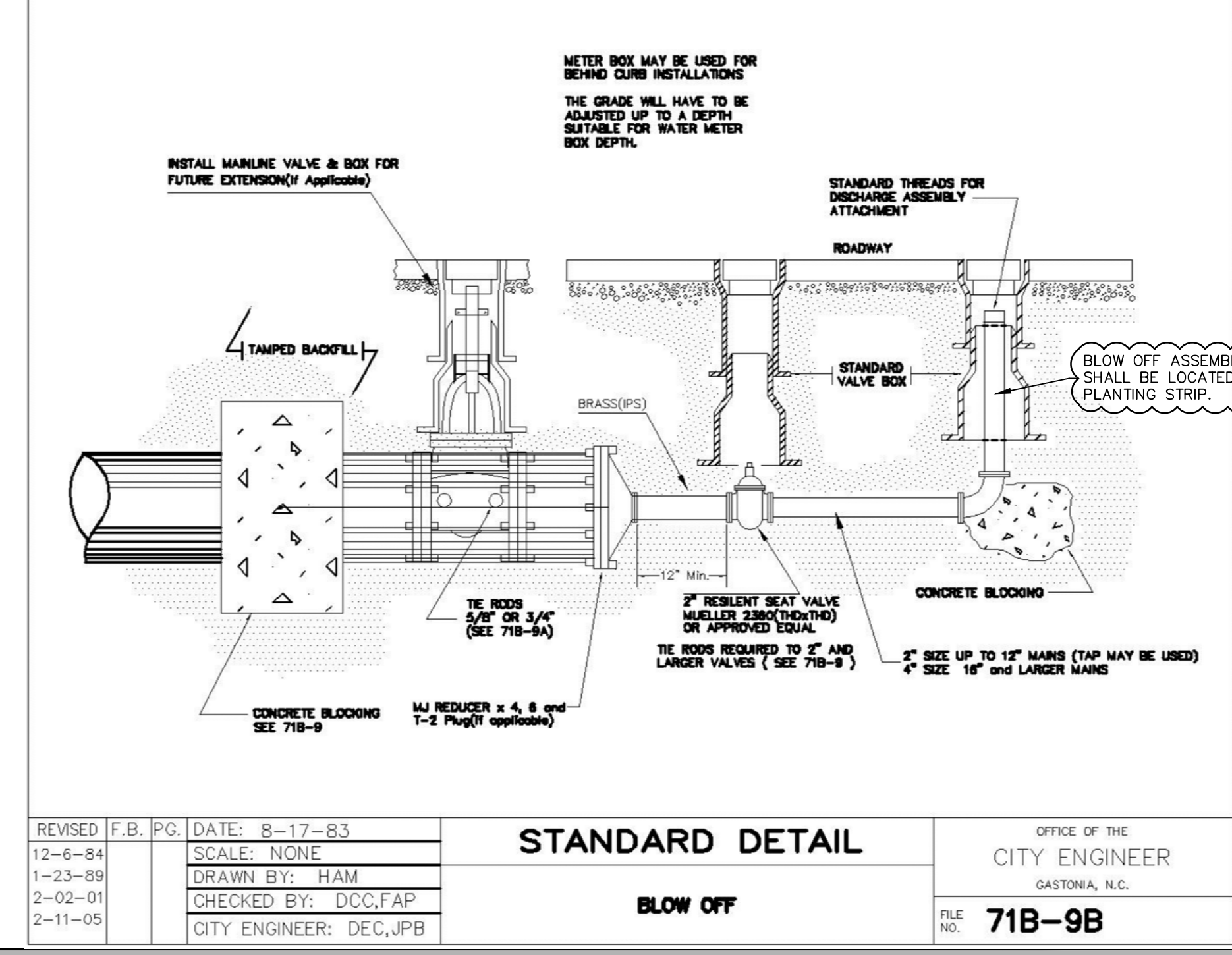
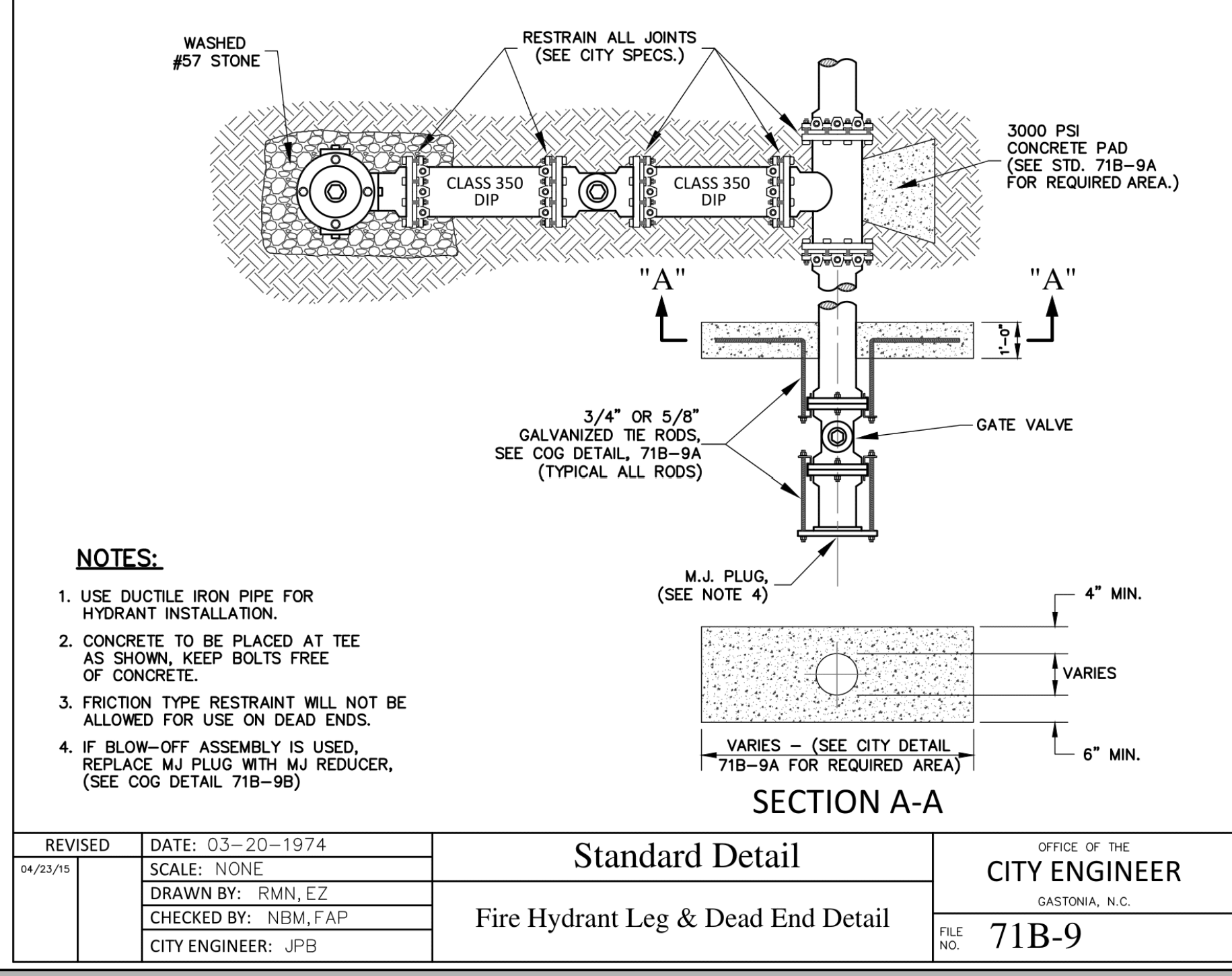
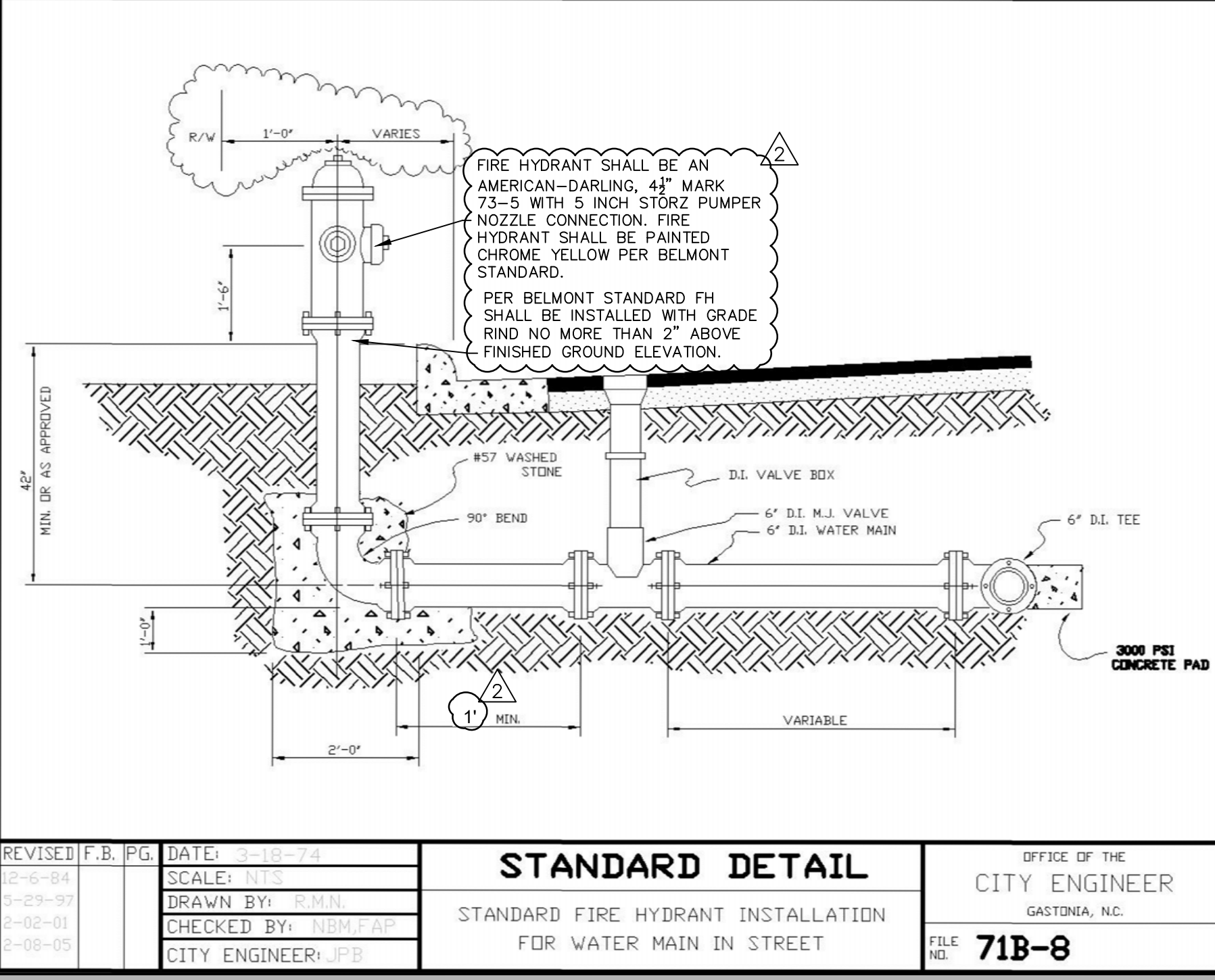
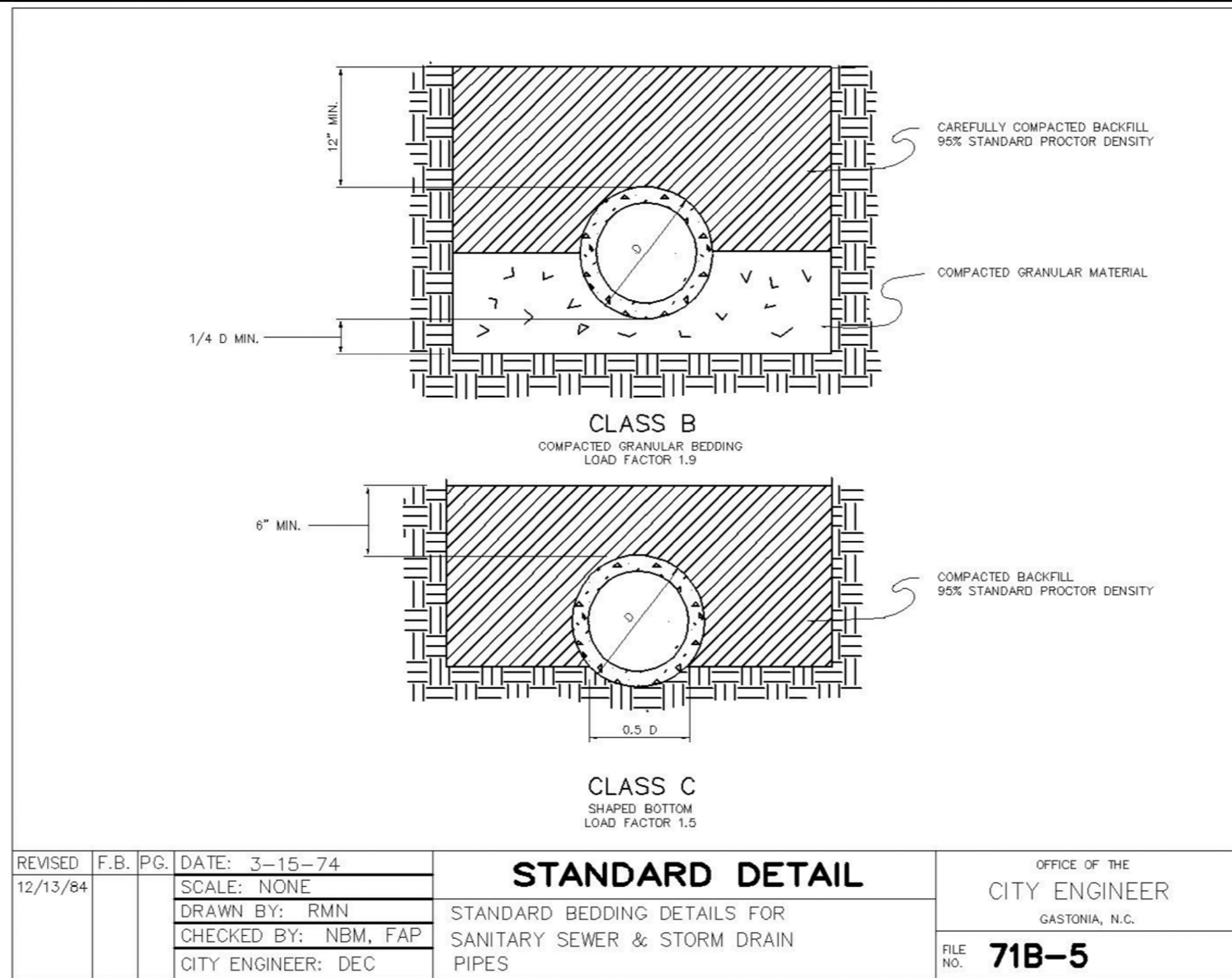
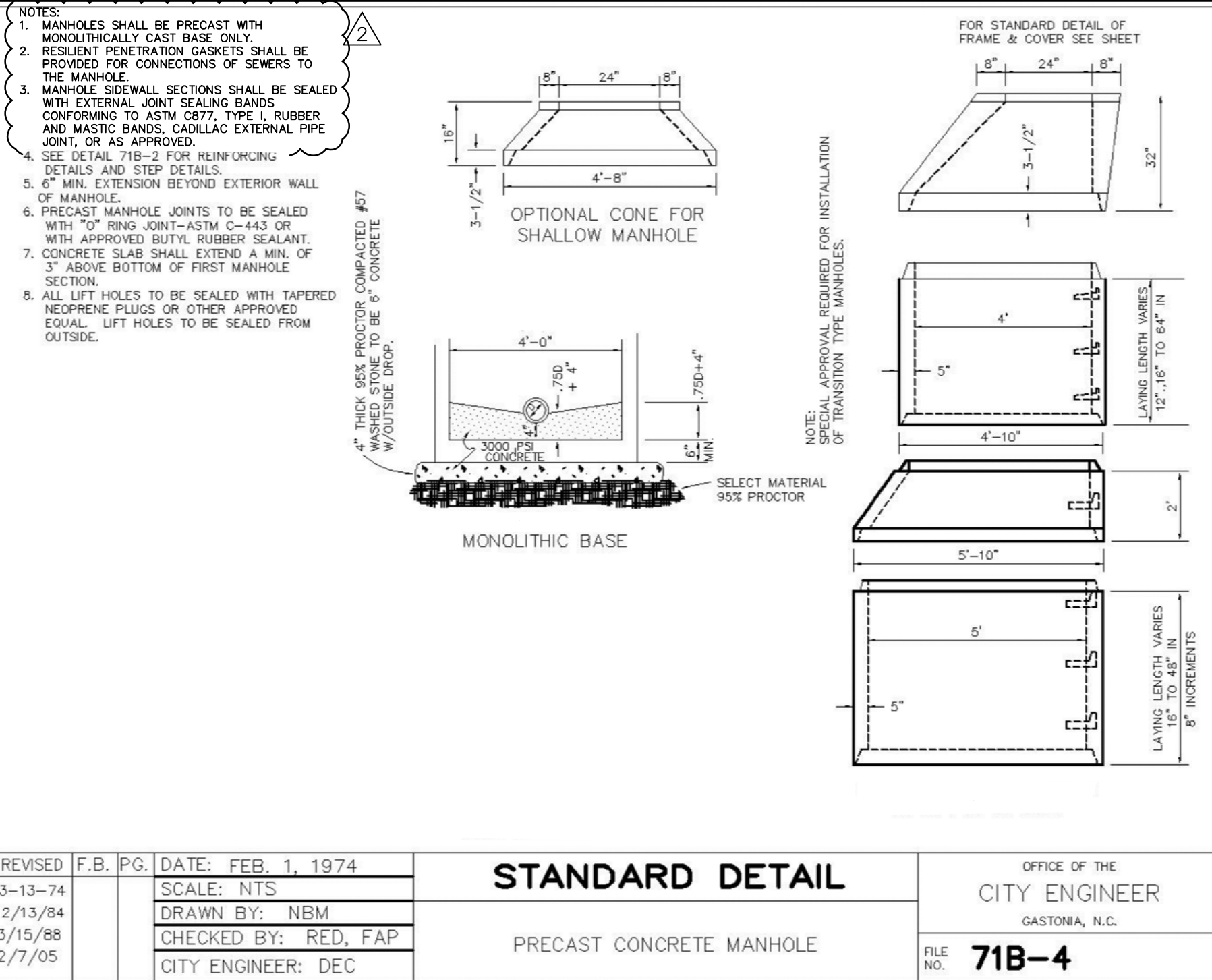
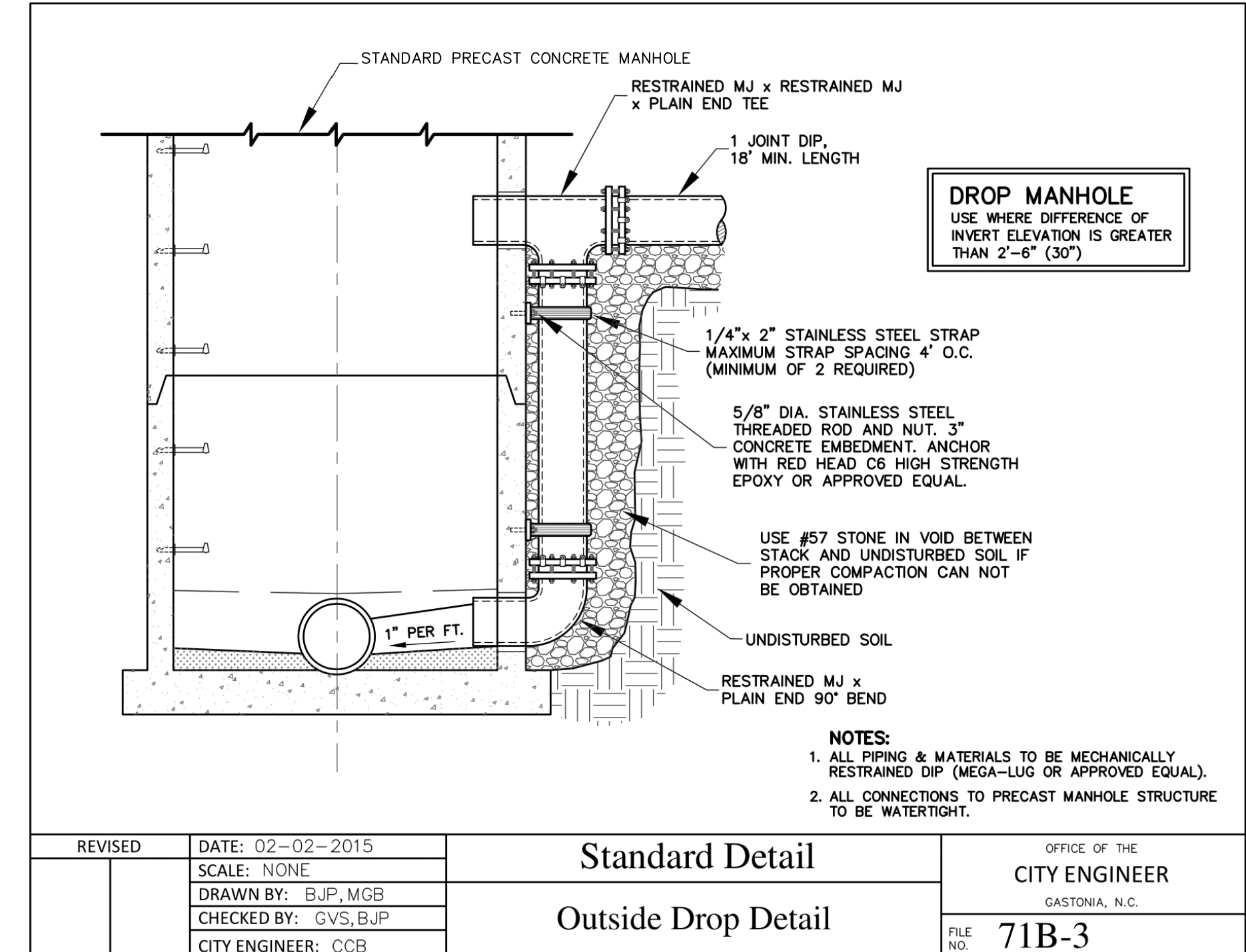
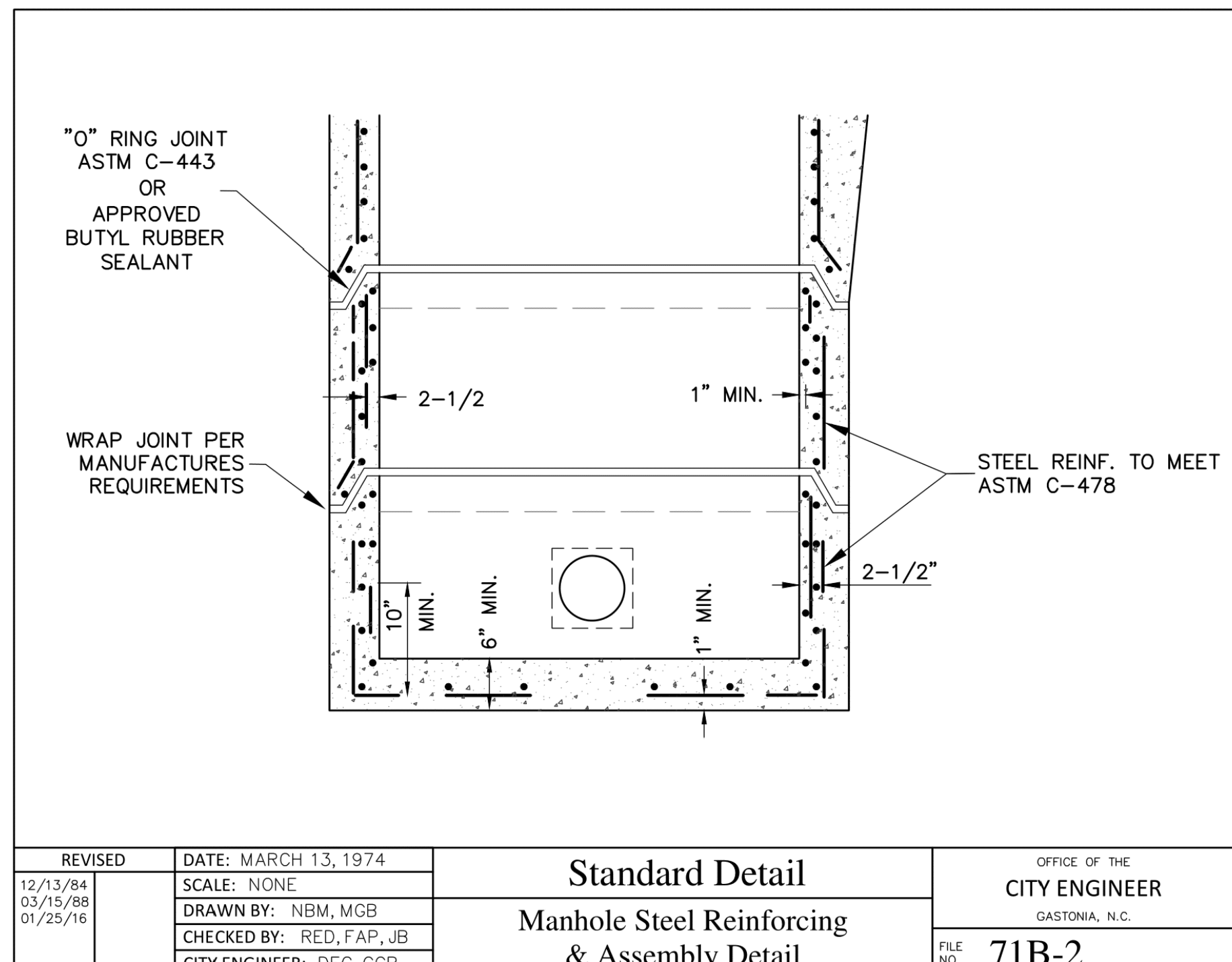
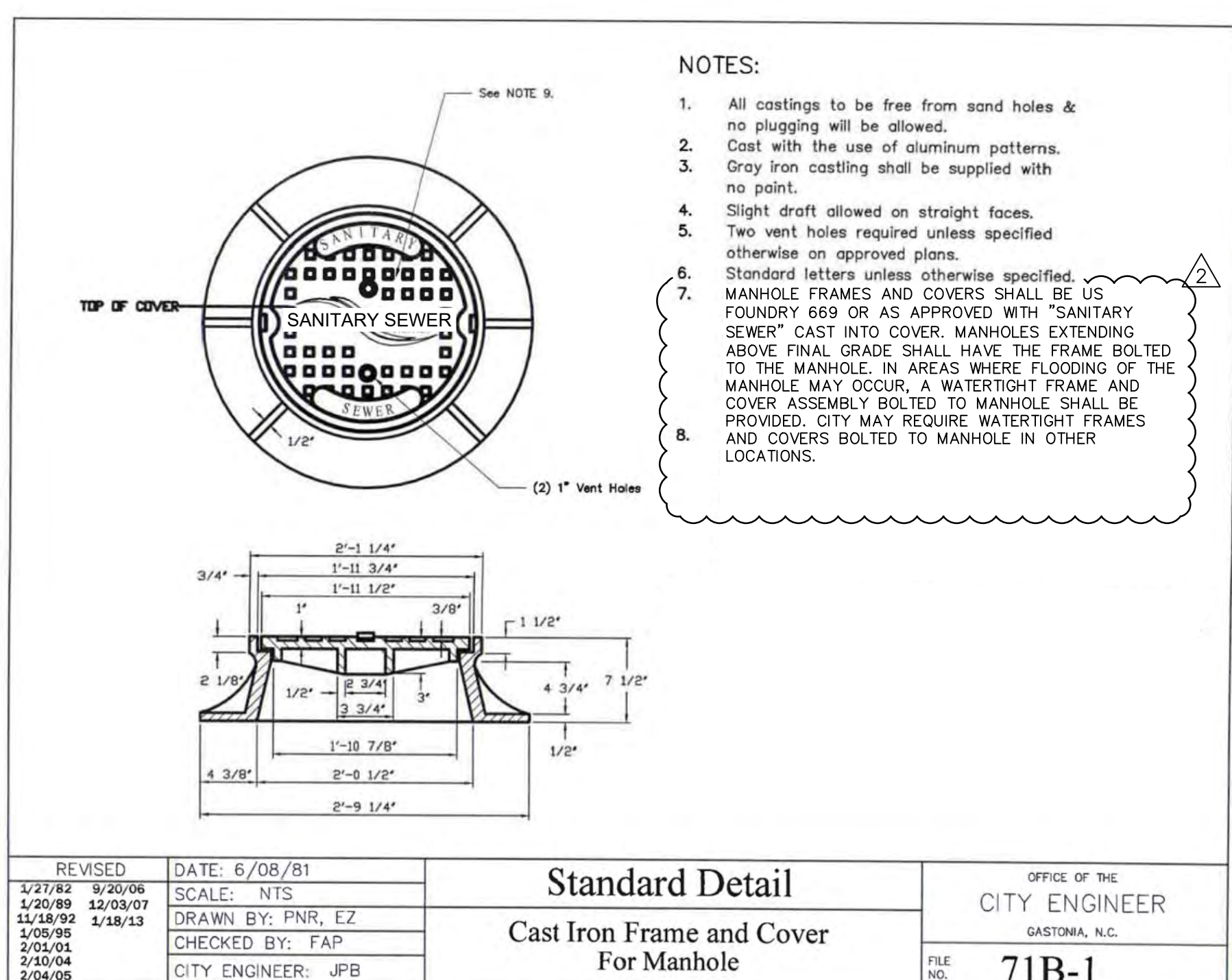
**SHINVILLE RIDGE PARTNERS, LLC**  
 20607 BETHEL CHURCH ROAD  
 CORNELIUS, NC 28031

**DETAIL SHEET**

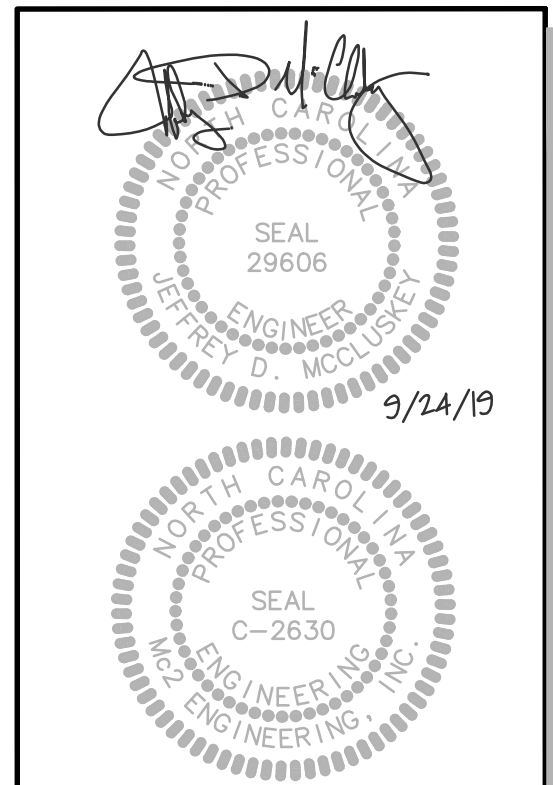
REVISIONS		
2	11/27/18	BELMONT COMMENTS

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**C9.3**



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 SOUTH POINT ROAD  
 BELMONT, NC

**SHINNVILLE RIDGE PARTNERS, LLC**  
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**DETAIL SHEET**

REVISIONS	
2	11/27/18 BELMONT COMMENTS

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**C9.4**

1.) PRECAST MANHOLE, SEE STANDARD DETAIL 71B-14.  
 2.) AIR RELEASE VALVE W/ VACUUM CHECK UNIT.  
 3.) GATE VALVE.  
 4.) CORPORATION STOP (I.e. MUELLER H-10045).

5.) 1/2" IPS THREAD RED BRASS PIPE AND FITTINGS.  
 6.) TRASH HOOD.  
 7.) PIPE CAP.  
 8.) GROUT, 1/8" / 1'-0" MIN. SLOPE TO DRAIN.

① = 1" FOR 12" WATER LINE AND SMALLER.  
 ② = 2" ALL WATER LINES LARGER THAN 12"

NOTE: A.R.V. shall be Model PL-10 with vacuum check be Driph or approved equal.  
 2" A.R.V. shall be Model PL-20 with vacuum check be Driph or approved equal.

**STANDARD DETAIL**  
 AIR RELEASE VALVE W/  
 VACUUM CHECK UNIT  
 IN PRECAST MANHOLE

OFFICE OF THE  
 CITY ENGINEER  
 GASTONIA, N.C.  
 FILE NO. **71B-17**

**STANDARD DETAIL**  
 SANITARY SEWER  
 LATERAL CONNECTION

OFFICE OF THE  
 CITY ENGINEER  
 GASTONIA, N.C.  
 FILE NO. **71B-19**

**Standard Detail**  
 3/4" x 5/8" Water Tap and  
 Meter Details

OFFICE OF THE  
 CITY ENGINEER  
 GASTONIA, N.C.  
 FILE NO. **71B-20**

STEPS SHALL BE POLYPROPYLENE PLASTIC COATED STEEL

**Standard Detail**  
 Plastic Manhole Step Detail

OFFICE OF THE  
 CITY ENGINEER  
 GASTONIA, N.C.  
 FILE NO. **71B-2A**

**SPECIAL LOCATION APPROVAL  
 REQUIRED**

OFFICE OF THE  
 CITY ENGINEER  
 GASTONIA, N.C.  
 FILE NO. **71B-4B**

**CLASS B  
 COMPACTED GRANULAR BEDDING  
 LOAD FACTOR 1.9**

**STANDARD DETAIL**  
 STANDARD BEDDING DETAIL FOR PVC  
 SANITARY SEWER PIPE

OFFICE OF THE  
 CITY ENGINEER  
 GASTONIA, N.C.  
 FILE NO. **71B-5A**

**STANDARD DETAIL**  
 CONCRETE PIER DETAIL  
 (THIS PIER DETAIL TO BE USED  
 FOR ALL CREEK CROSSINGS)

OFFICE OF THE  
 CITY ENGINEER  
 GASTONIA, N.C.  
 FILE NO. **71B-14**

**STANDARD DETAIL**  
 CONCRETE PIER DETAIL  
 (THIS IS TO BE USED FOR ALL CREEK CROSSINGS)

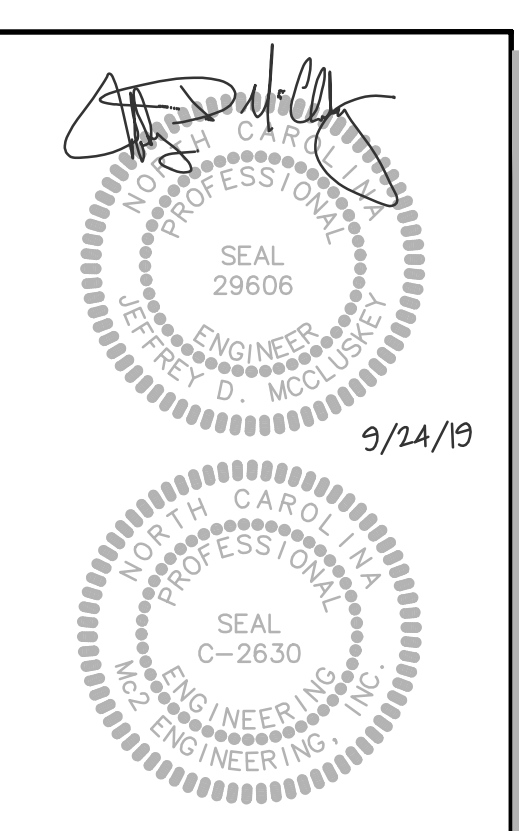
OFFICE OF THE  
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 FILE NO. **71B-15**

**SANITARY SEWER AIR AND VACUUM VALVE  
 (VENT-O-MAT SERIES RGX)**

PIPE SIZE	PIPE O.D.	MINIMUM DIAMETER
4"	4.50"	6.0"
6"	6.50"	9.0"
8"	9.00"	11.4"
10"	11.10"	13.7"
12"	13.50"	16.1"
14"	15.00"	18.1"
16"	17.40"	20.9"
18"	19.50"	23.3"
20"	21.60"	25.7"

**STANDARD DETAIL**

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**RIVERMIST SUBDIVISION**  
 SOUTH POINT ROAD  
 BELMONT, NC

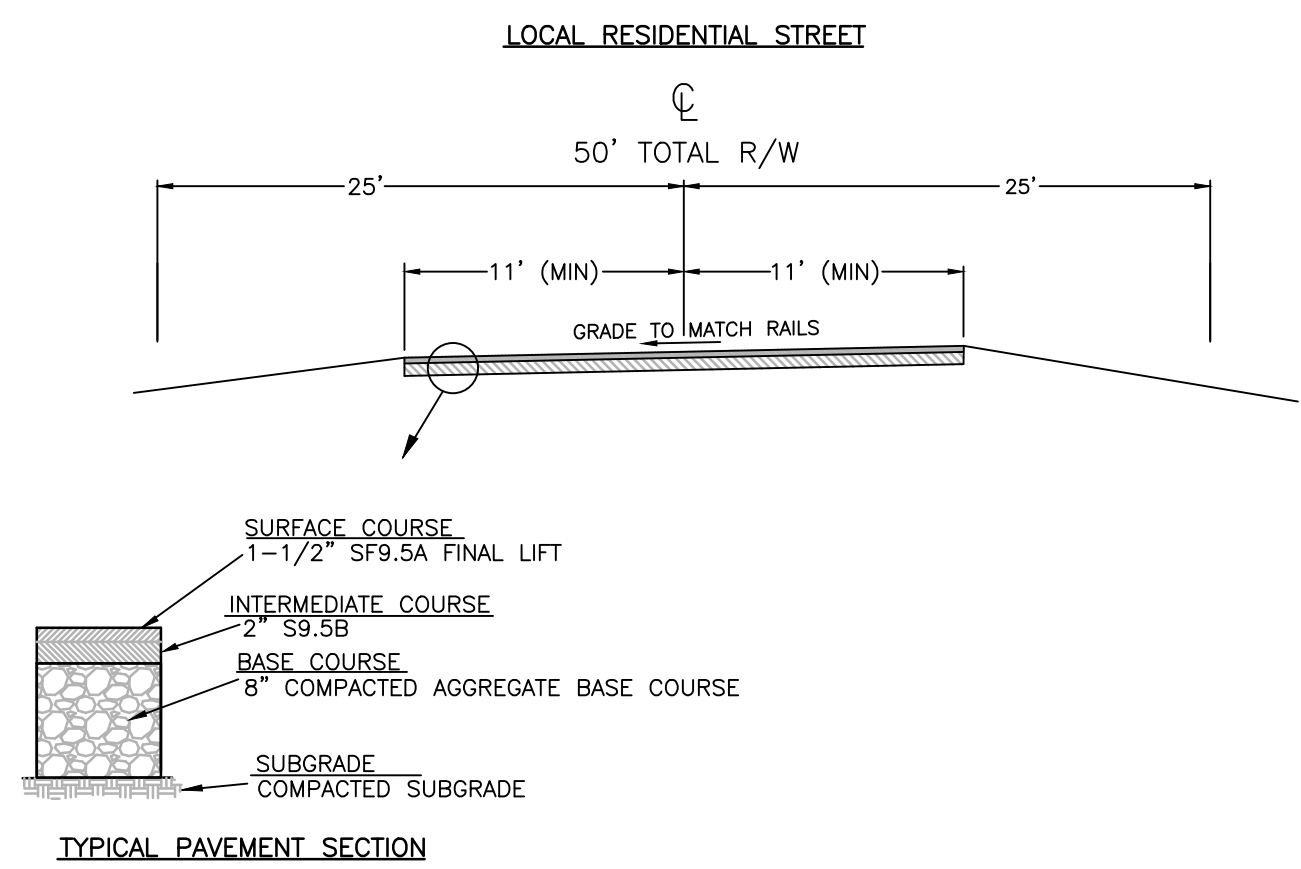
**SHINNVILLE RIDGE PARTNERS, LLC**  
 20607 BETHEL CHURCH ROAD  
 CORNELIUS, NC 28031

**DETAIL SHEET**

REVISIONS	DATE	DESCRIPTION
2	11/27/18	BELMONT COMMENTS
4	9/24/19	BELMONT COMMENTS

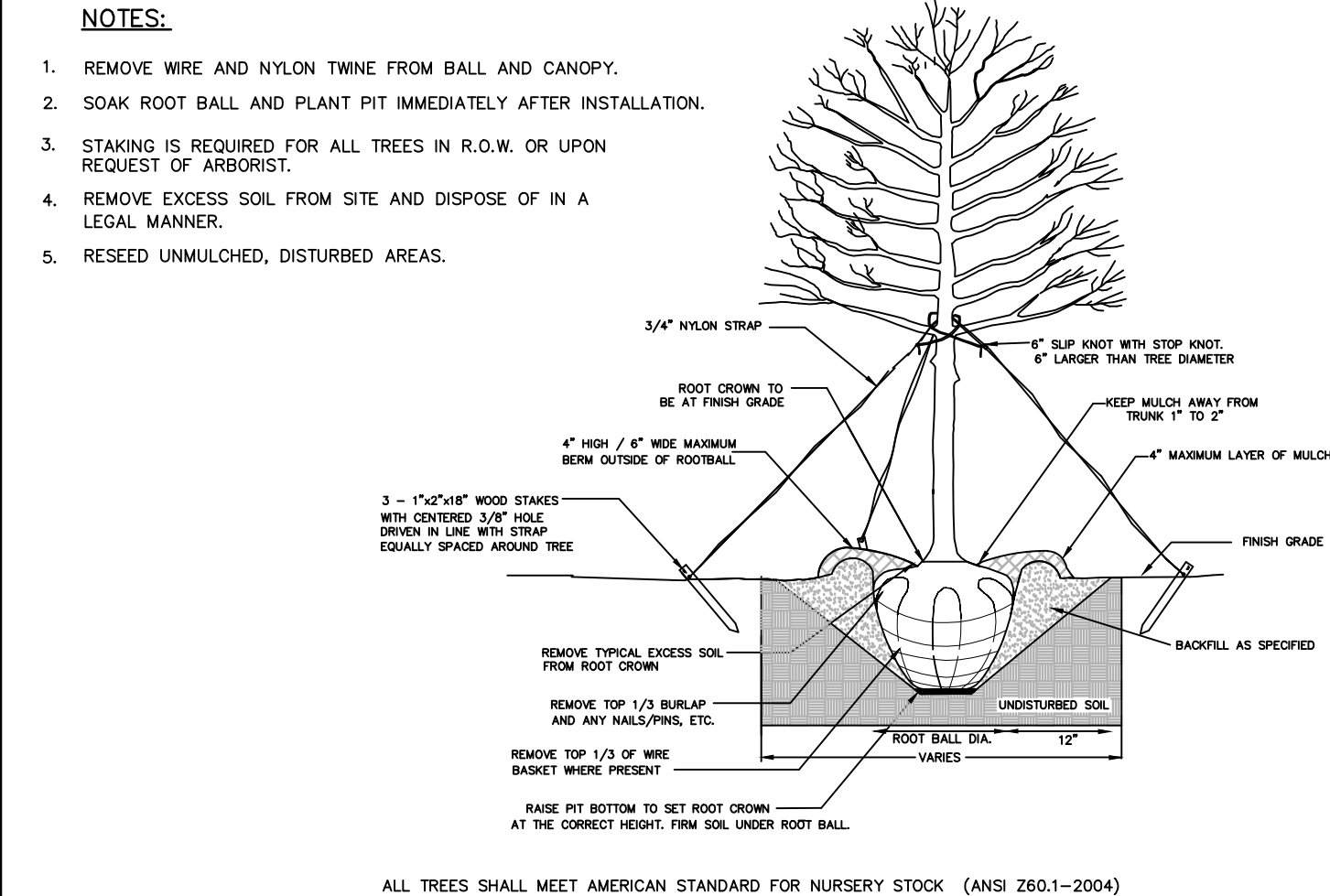
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 CAD FILE: 18-017 BASE.DWG  
 PROJECT NO.: 18-017  
 DESIGNED BY: TAP  
 REVIEWED BY: JDM  
 DATE: OCTOBER 8, 2018

**C9.5**



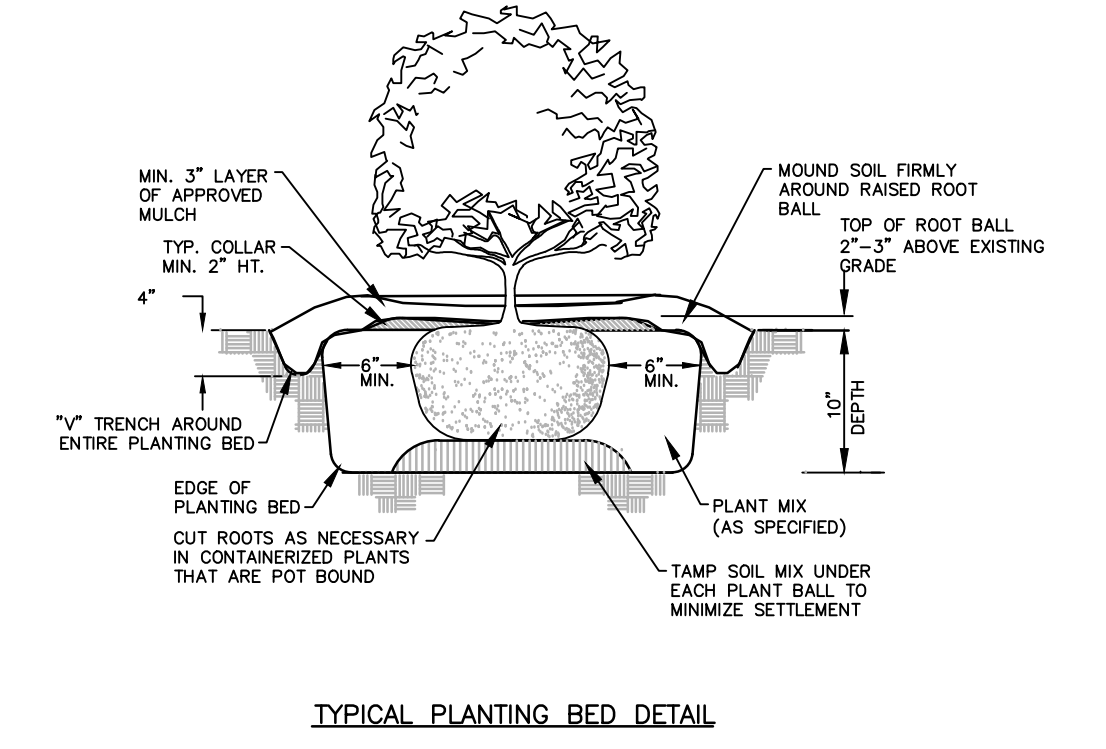
2  
C9.6

50' RIGHT OF WAY  
LOCAL RESIDENTIAL ROAD FROM END OF CURB  
TO 2' OF RAIL AT RR CROSSING  
-NTS-



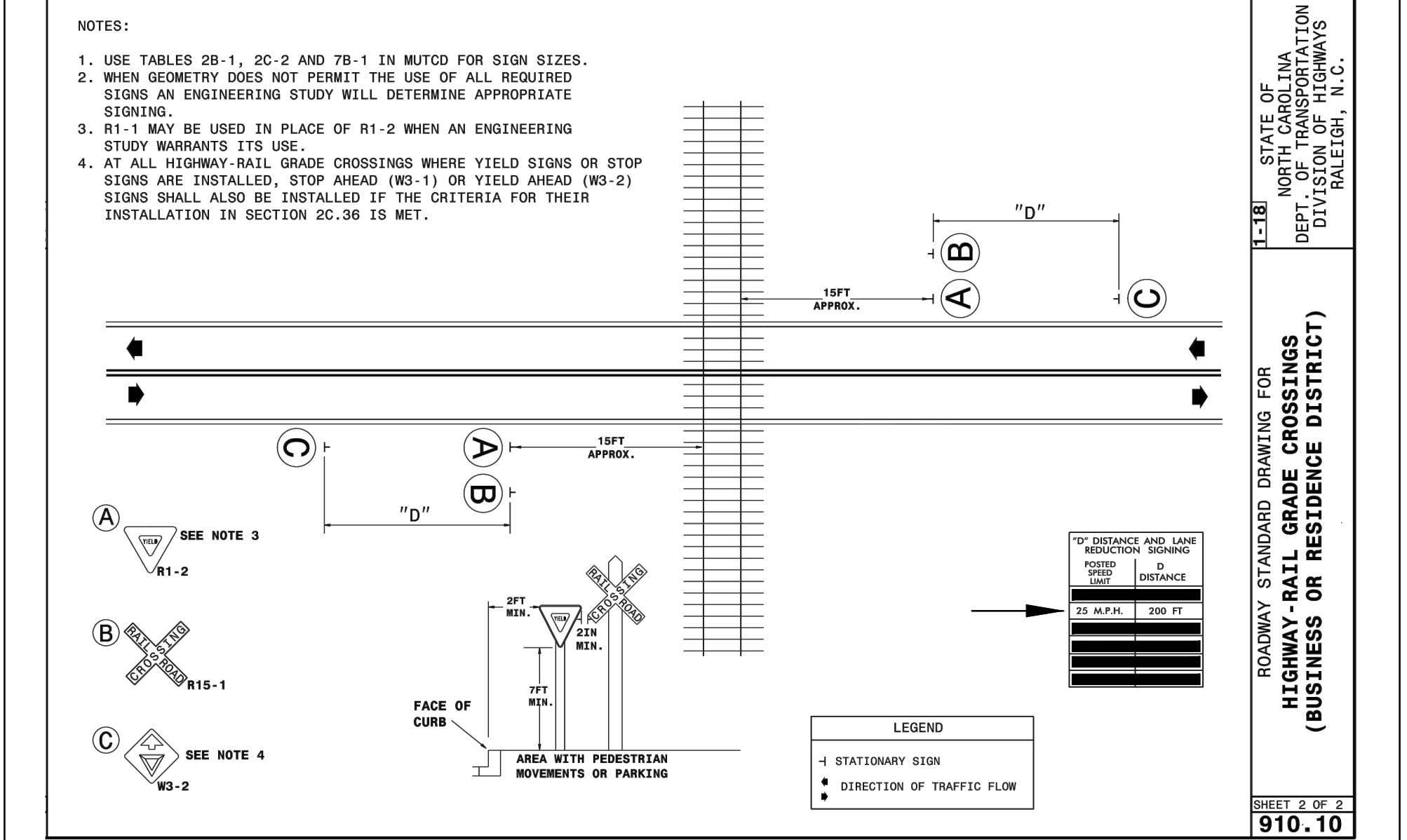
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C9.6

TREE PLANTING  
(FOR SINGLE AND MULTI-STEM TREES)  
-NTS-



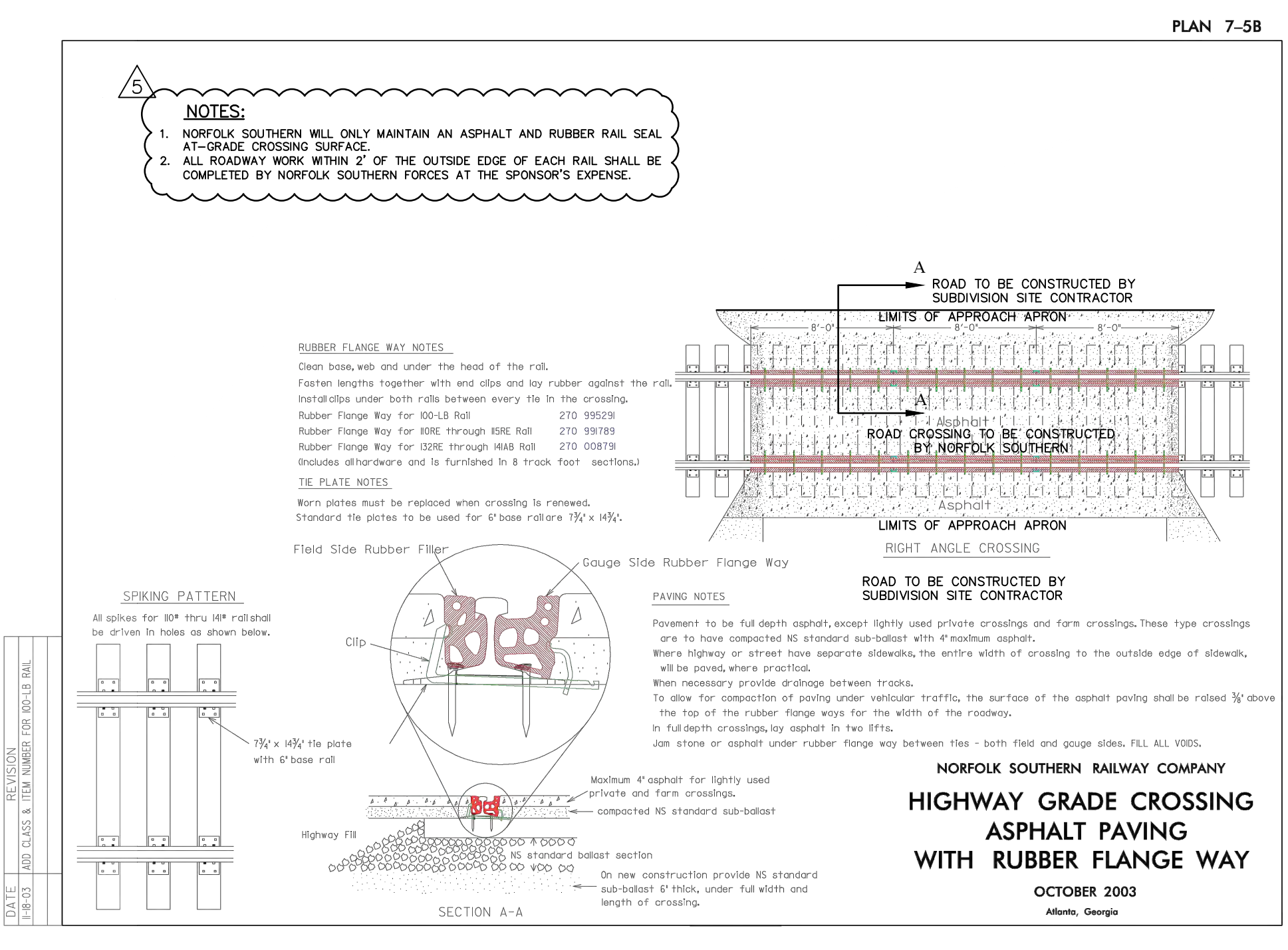
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SHRUB PLANTING DETAIL  
-NTS-



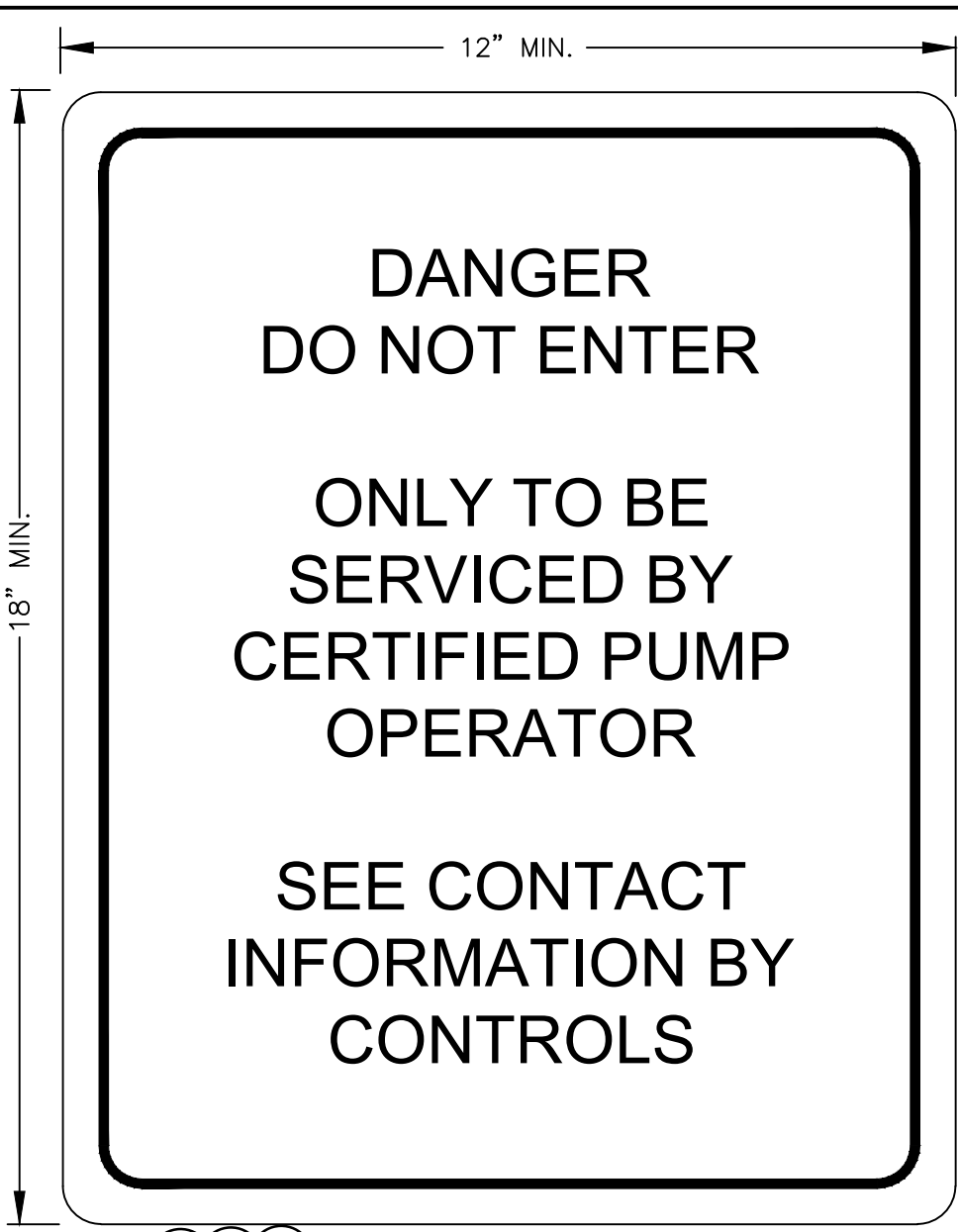
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RAIL GRADE CROSSINGS  
NCDOT 910.10 SHT 2 OF 2  
-NTS-



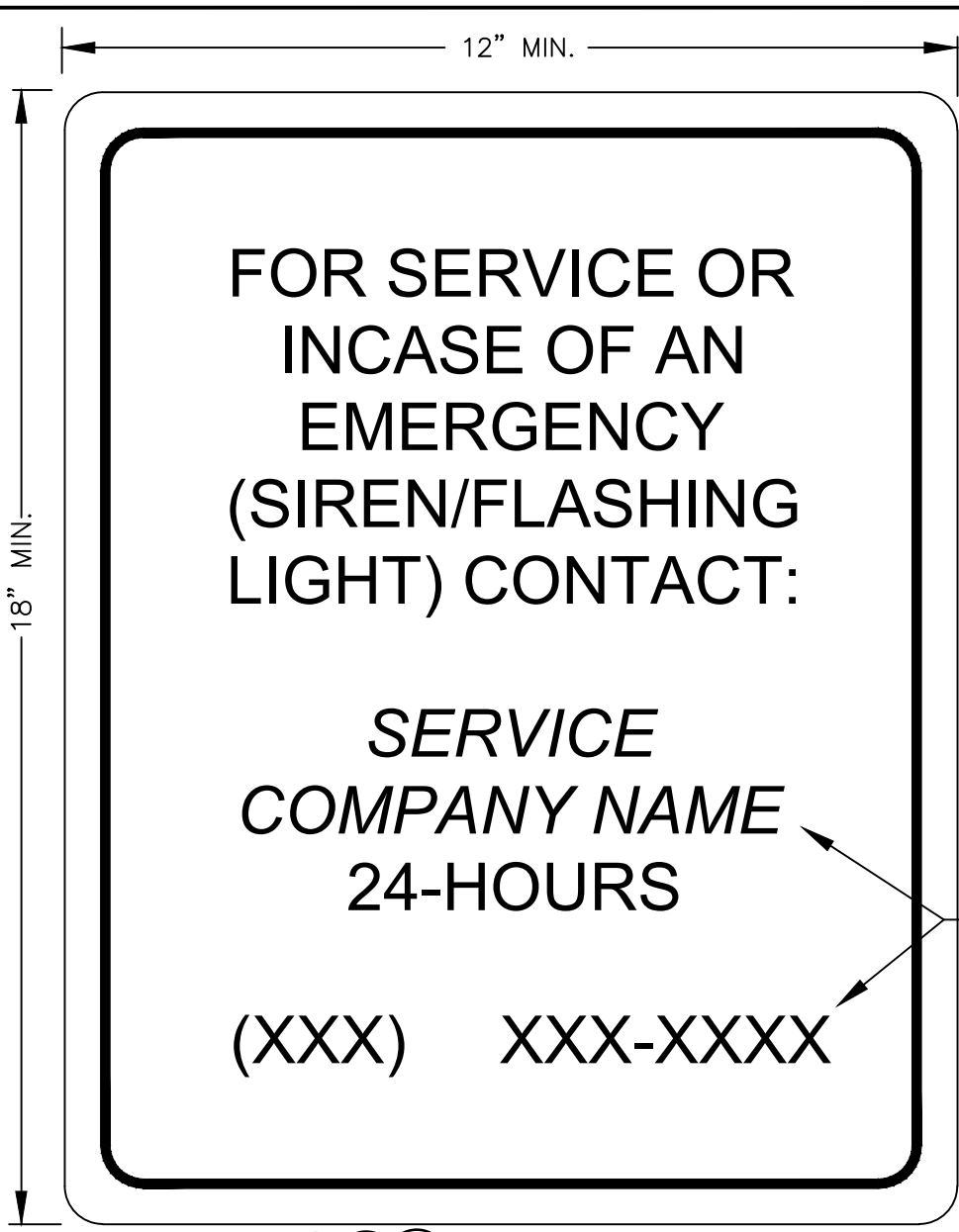
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C9.6

HIGHWAY GRADE CROSSING  
ASPHALT PAVING  
WITH RUBBER FLANGE WAY  
OCTOBER 2003  
Atlanta, Georgia



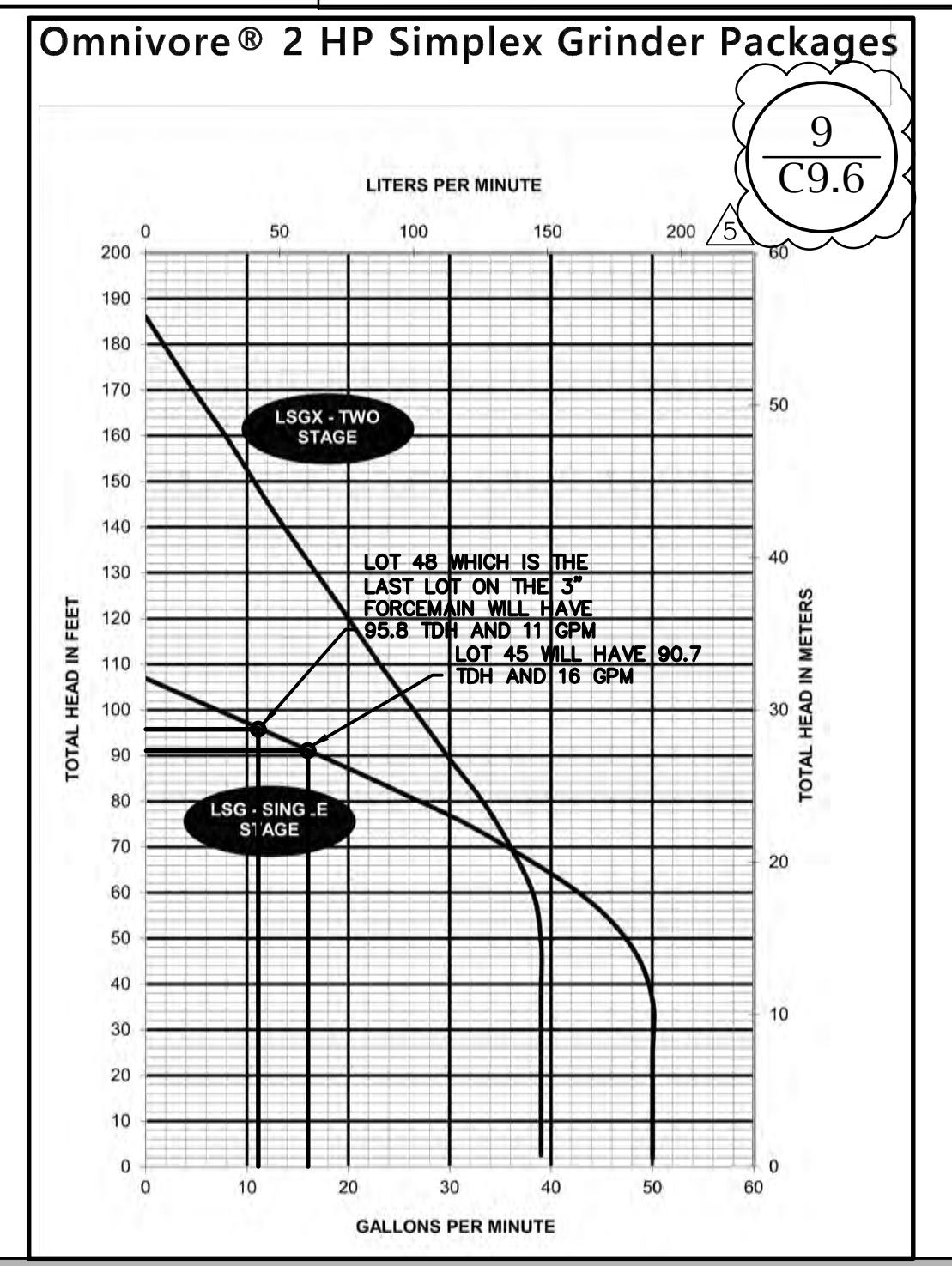
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C9.6

PUMP STATION  
WARNING SIGN  
-NTS-

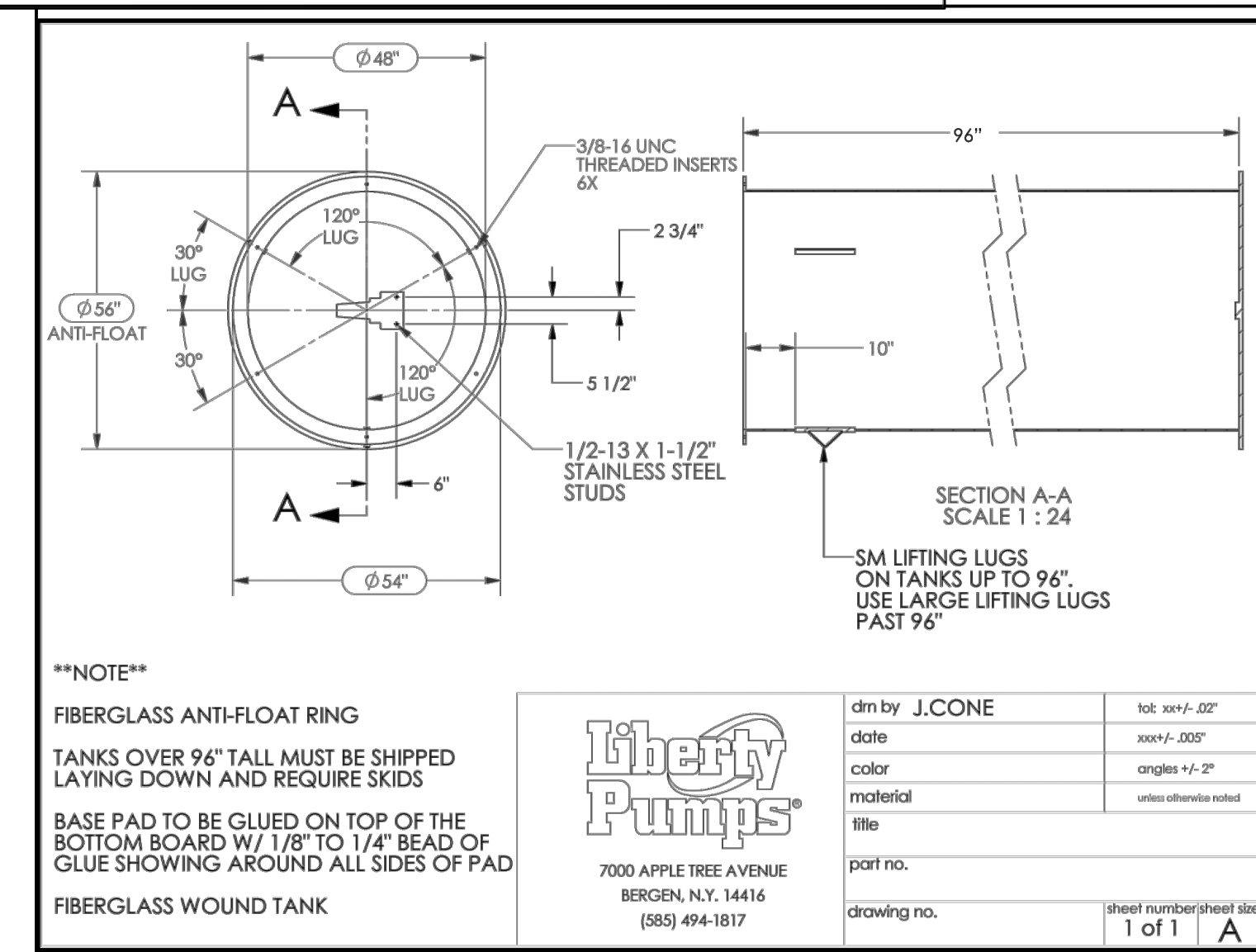


8  
C9.6

24-HOUR  
MAINTENANCE SIGN  
-NTS-



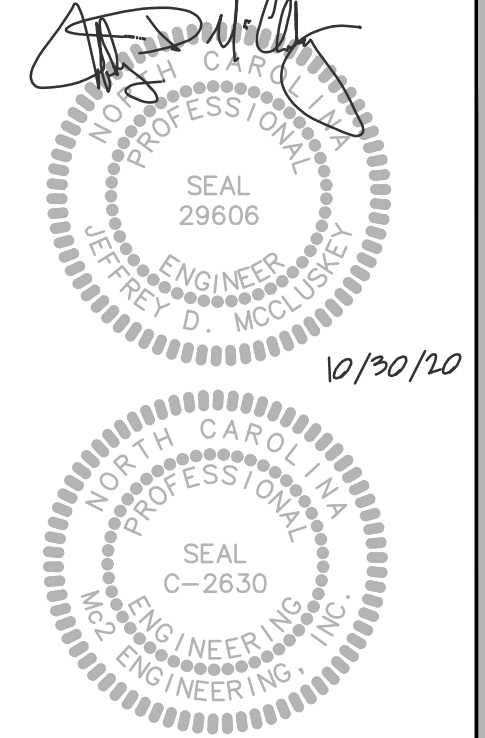
9  
C9.6



10  
C9.6

FIBERGLASS ANTI-FLOAT RING  
TANKS OVER 96" TALL MUST BE SHIPPED  
LAYING DOWN AND REQUIRE SKIDS  
BASE PAD TO BE GLUED ON TOP OF THE  
BOTTOM BOARD W/ 1/8" TO 1/4" BEAD OF  
GLUE SHOWING AROUND ALL SIDES OF PAD  
FIBERGLASS WOUND TANK

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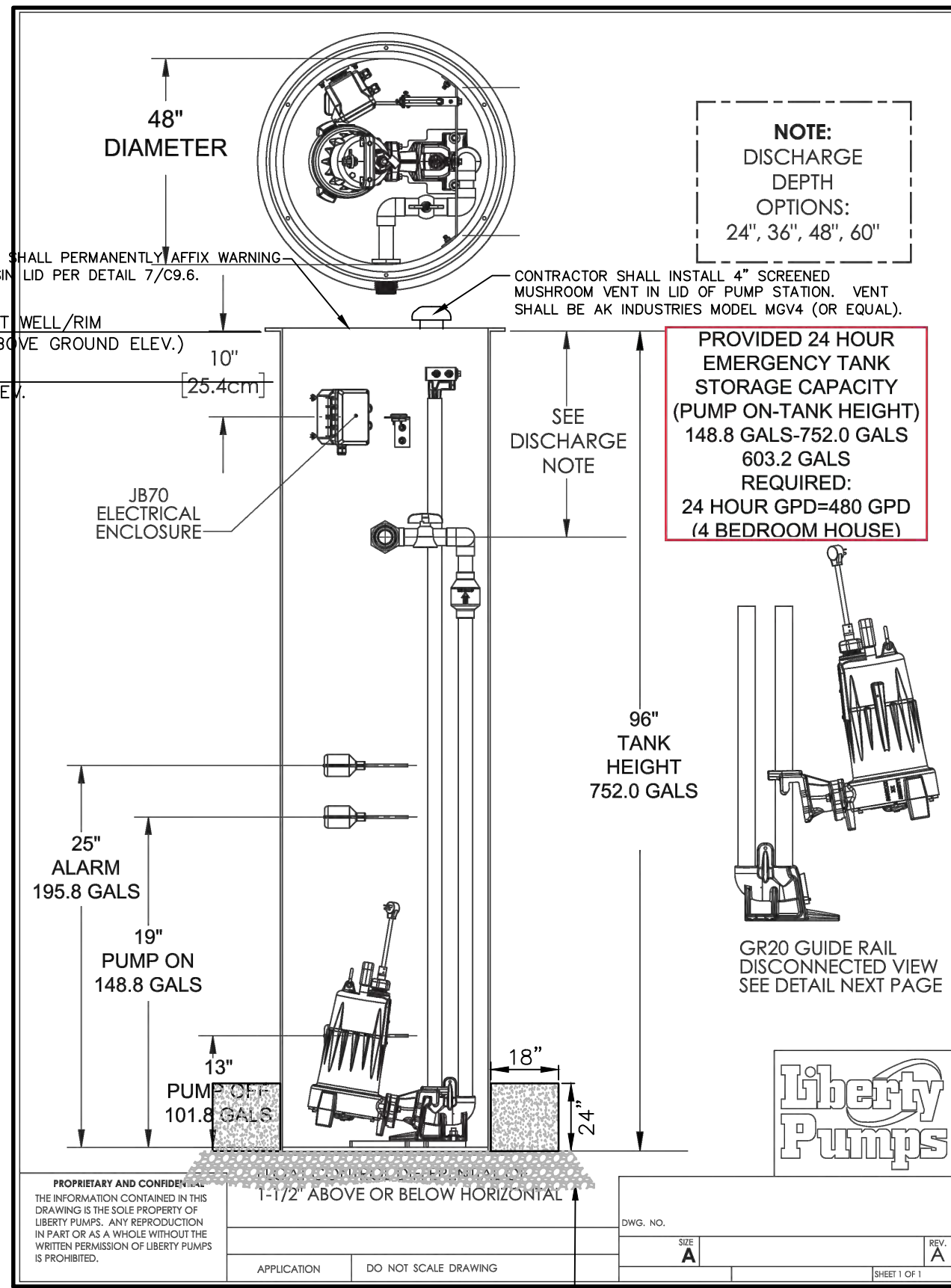
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SOUTH POINT ROAD  
BELMONT, NC  
SHINNILLE RIDGE PARTNERS, LLC  
20607 BETHEL CHURCH ROAD  
CORNELIUS, NC 28031

DETAIL SHEET

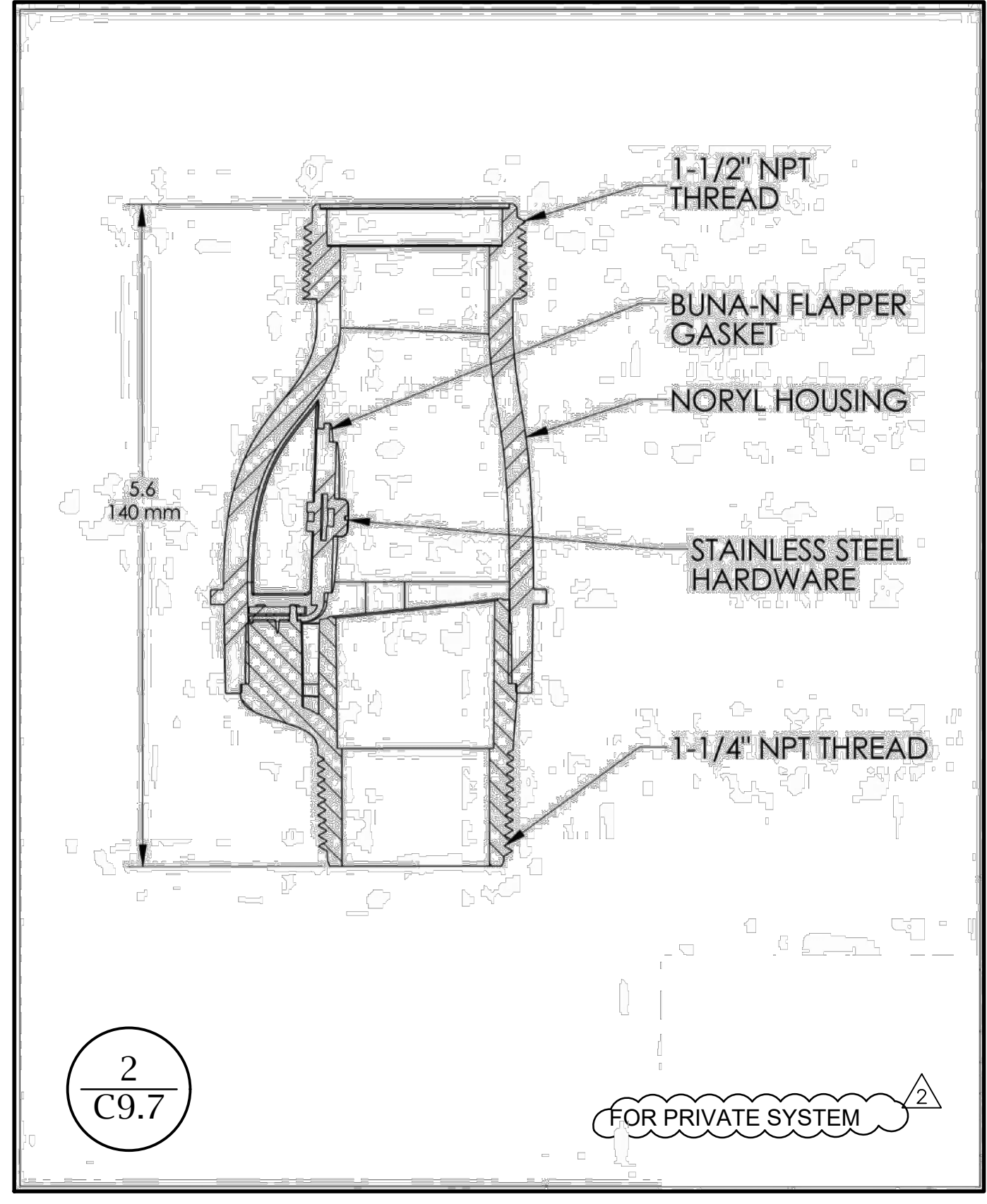
REVISIONS		
3	9/4/19	NS COMMENTS
5	10/30/20	NS/LPSS COMMENTS

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PROJECT NO.: 18-017  
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REVIEWED BY: JDM  
DATE: OCTOBER 8, 2018  
C9.6

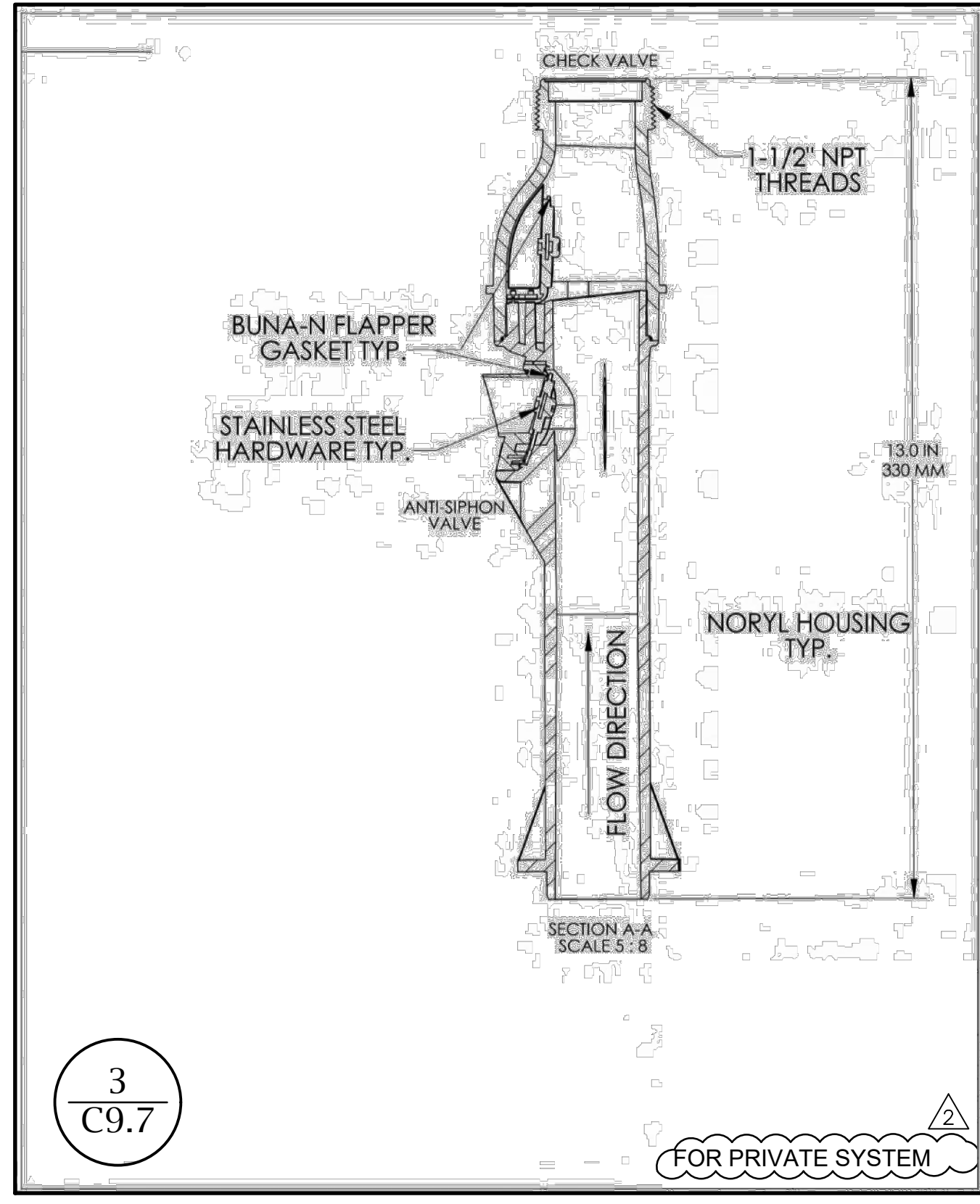


### Lot Pump Station Specifications

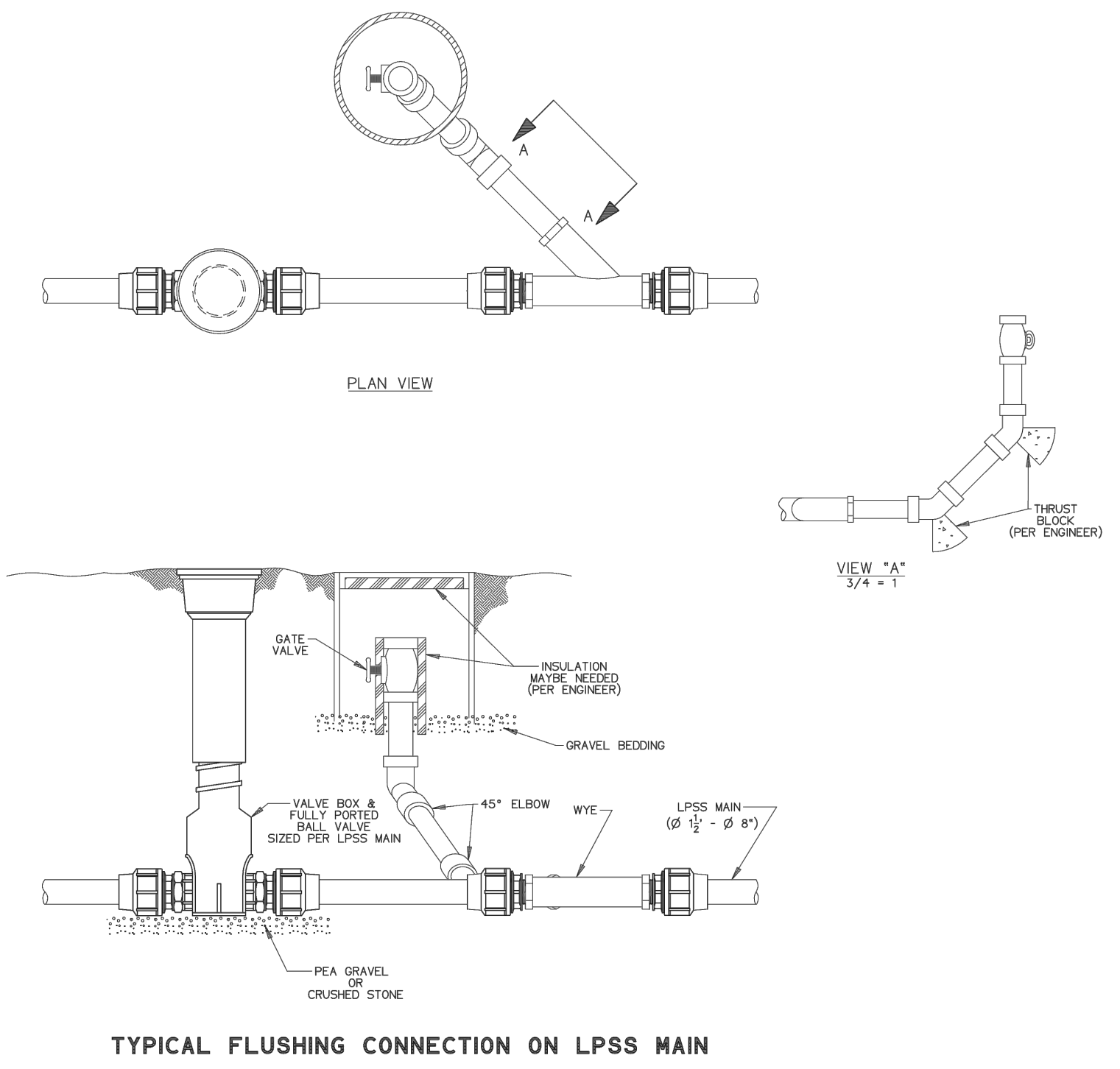
Lot #	Zone	Min. FFE	Ground Elevation	Pump Station Rim Elevation	Pump Station Bottom Elevation	Manufacturer	Tank Model	Pump Controls	Pump	Phase	Volts	Pump on Storage gals	Total Storage gals	24 Hr Storage gals
41	1	588.00	587.00	587.50	579.50	Liberty Pumps	XT48SGX96	SXH24=3	LSG202	1	120/208/240	148.8	752	603.2
42	1	590.00	587.00	587.50	579.50	Liberty Pumps	XT48SGX96	SXH24=3	LSG202	1	120/208/240	148.8	752	603.2
43	1	588.00	585.00	585.50	577.50	Liberty Pumps	XT48SGX96	SXH24=3	LSG202	1	120/208/240	148.8	752	603.2
44	1	590.00	586.00	586.50	578.50	Liberty Pumps	XT48SGX96	SXH24=3	LSG202	1	120/208/240	148.8	752	603.2
45	1	592.00	589.00	589.50	581.50	Liberty Pumps	XT48SGX96	SXH24=3	LSG202	1	120/208/240	148.8	752	603.2
46	1	590.00	590.00	590.50	582.50	Liberty Pumps	XT48SGX96	SXH24=3	LSG202	1	120/208/240	148.8	752	603.2
47	1	588.00	586.00	586.50	578.50	Liberty Pumps	XT48SGX96	SXH24=3	LSG202	1	120/208/240	148.8	752	603.2
48	1	588.00	586.00	586.50	578.50	Liberty Pumps	XT48SGX96	SXH24=3	LSG202	1	120/208/240	148.8	752	603.2
49	1	609.00	609.00	609.50	601.50	Liberty Pumps	XT48SGX96	SXH24=3	LSG202	1	120/208/240	148.8	752	603.2
50	1	607.88	607.88	608.38	600.38	Liberty Pumps	XT48SGX96	SXH24=3	LSG202	1	120/208/240	148.8	752	603.2
51	1	605.35	605.35	605.85	597.85	Liberty Pumps	XT48SGX96	SXH24=3	LSG202	1	120/208/240	148.8	752	603.2
52	1	603.31	603.31	603.81	595.81	Liberty Pumps	XT48SGX96	SXH24=3	LSG202	1	120/208/240	148.8	752	603.2
54	1	629.74	629.74	630.24	622.24	Liberty Pumps	XT48SGX96	SXH24=3	LSG202	1	120/208/240	148.8	752	603.2
55	1	625.81	625.81	626.31	618.31	Liberty Pumps	XT48SGX96	SXH24=3	LSG202	1	120/208/240	148.8	752	603.2



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C9.7

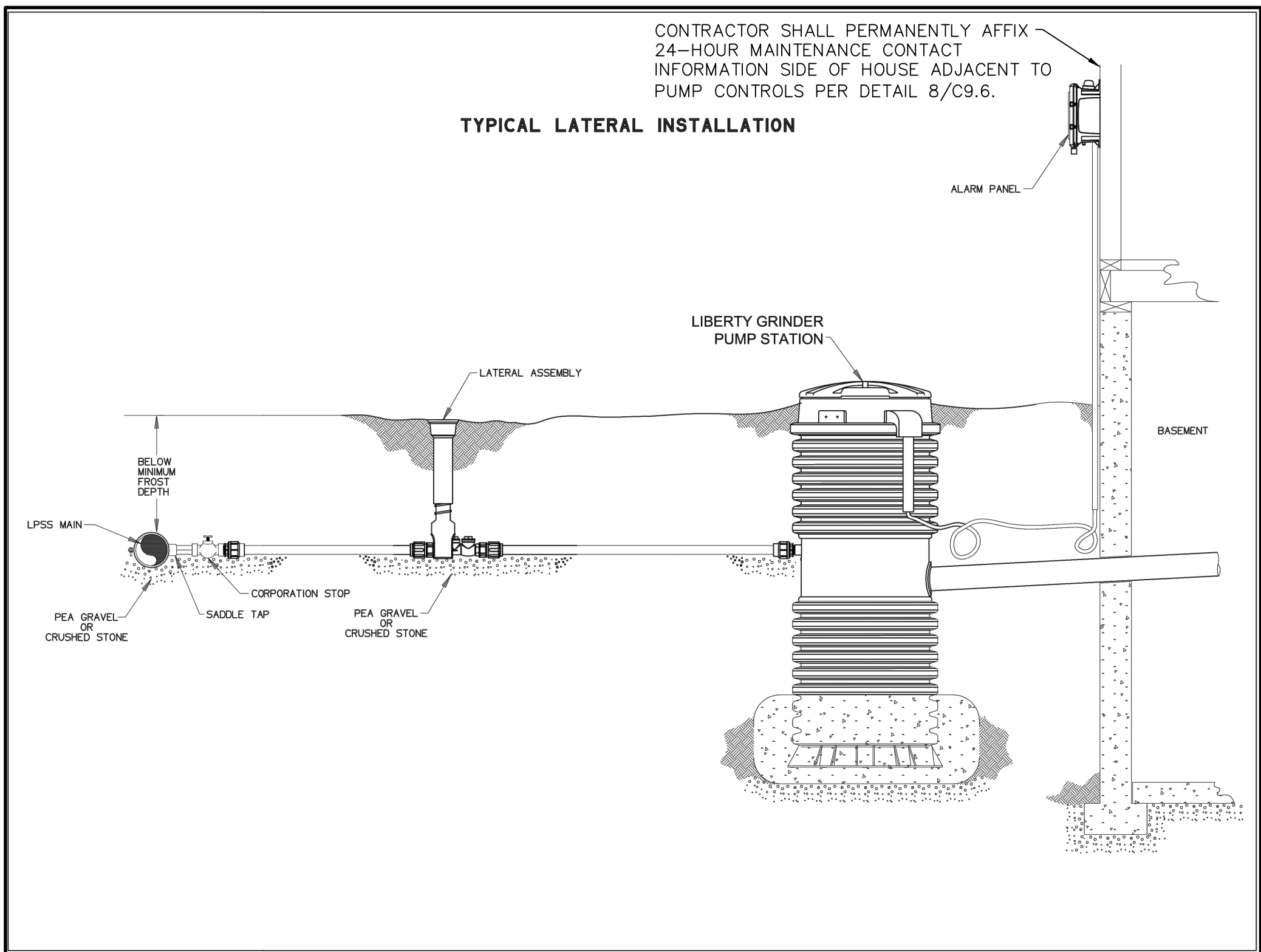


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C9.7



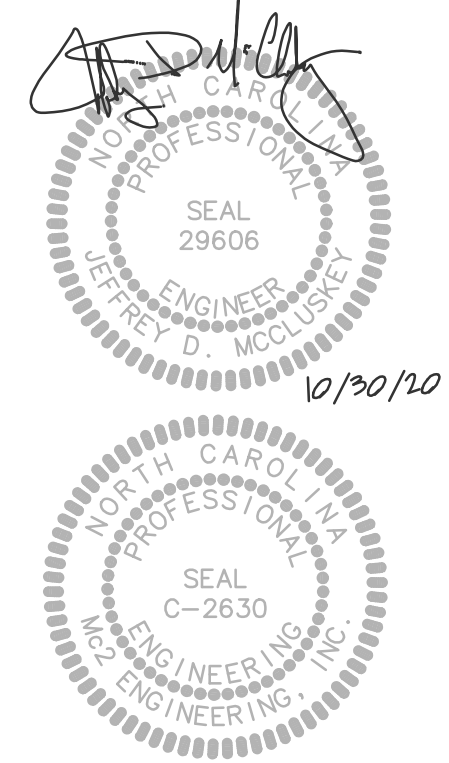
4  
C9.7

TYPICAL FLUSHING CONNECTION ON PRIVATE LPSS MAIN



5  
C9.7

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**DETAIL SHEET**

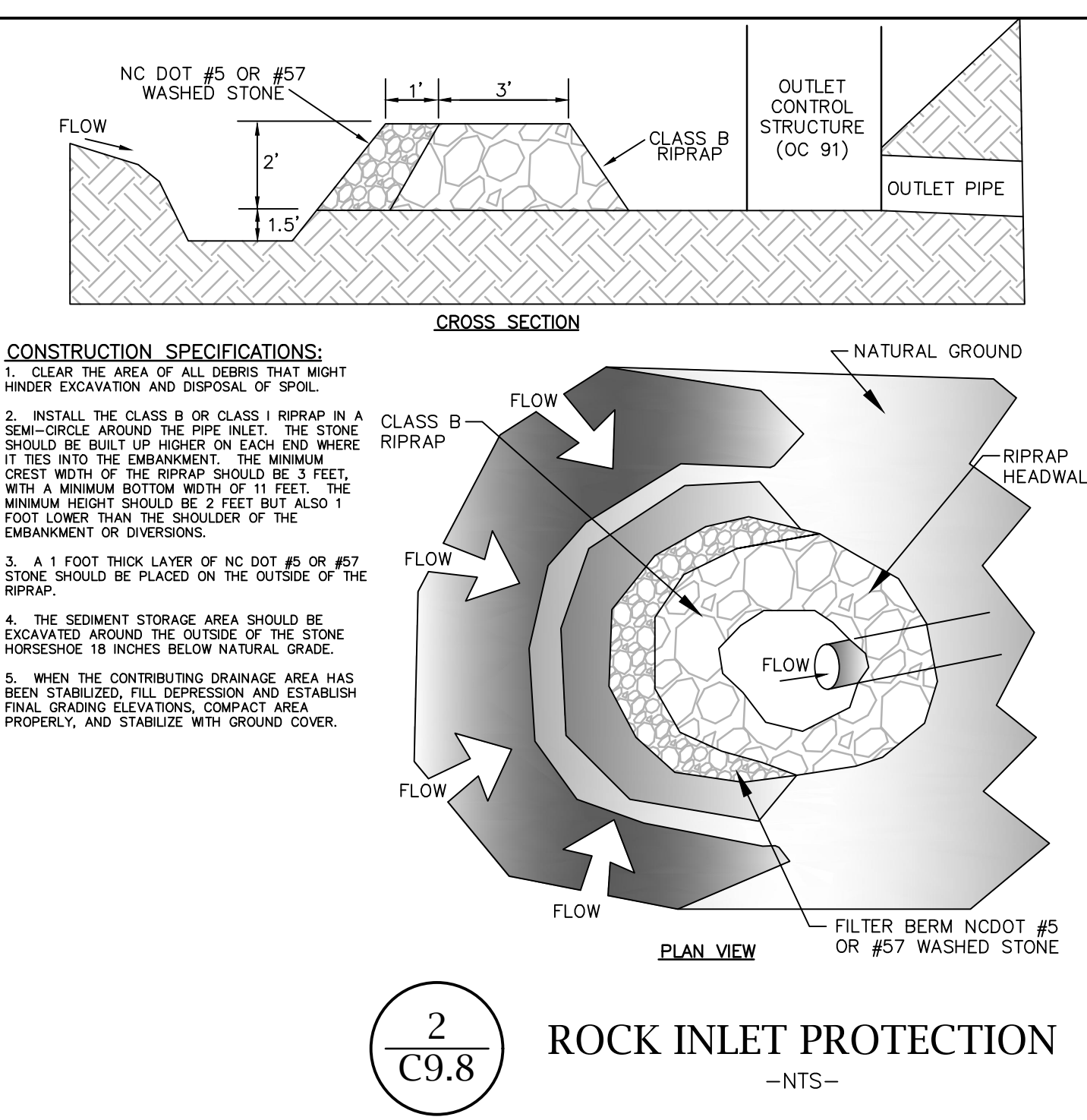
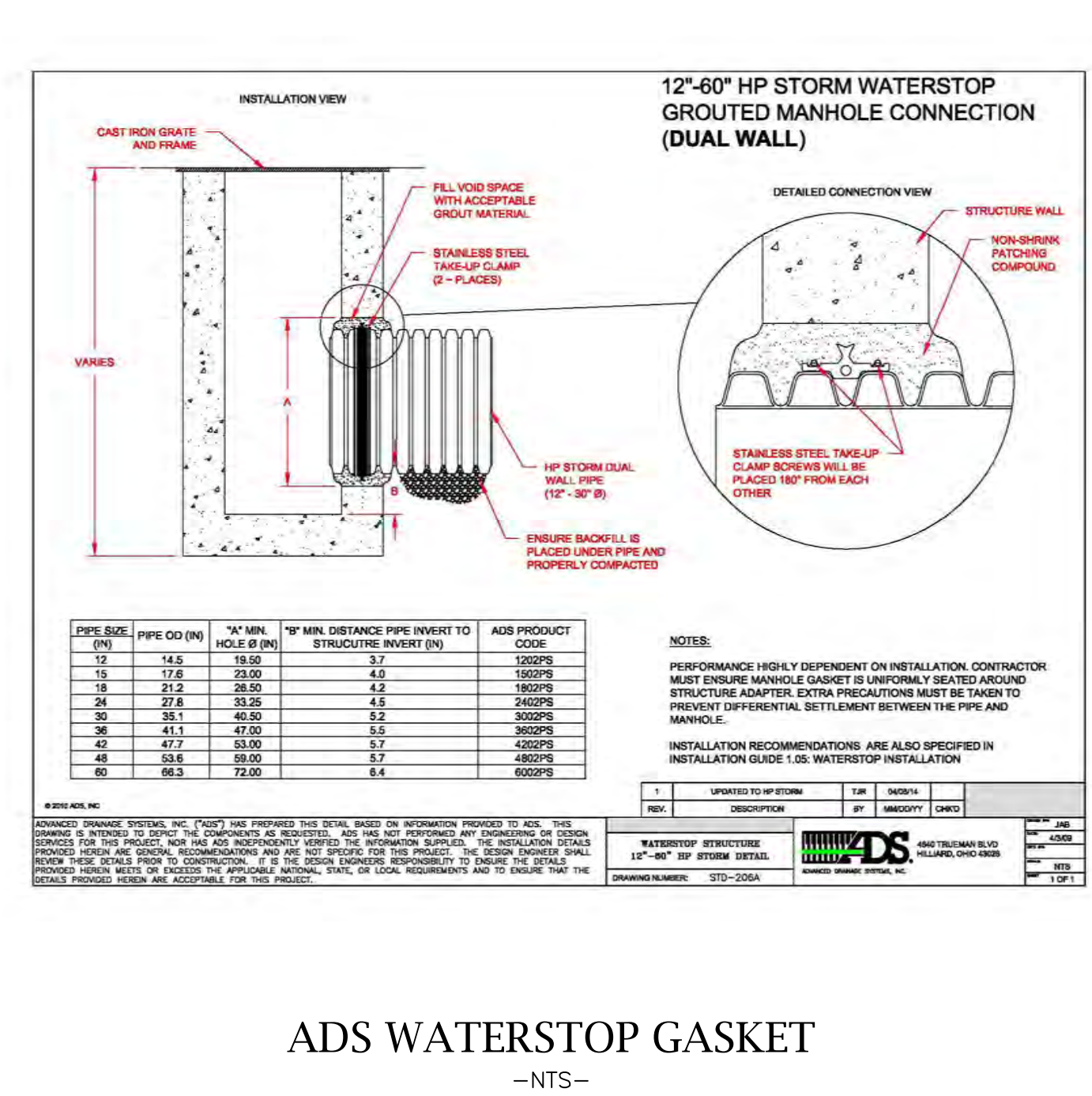
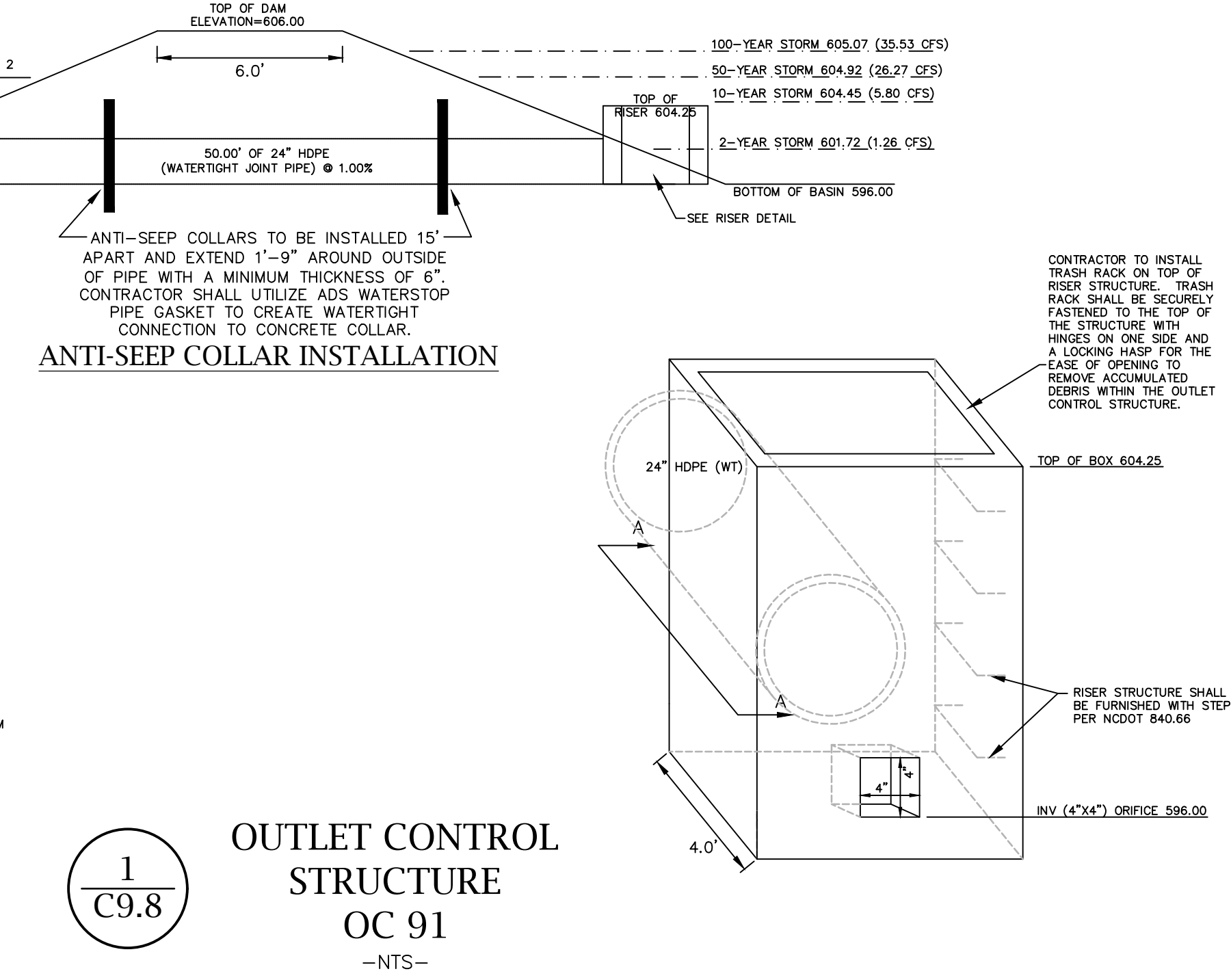
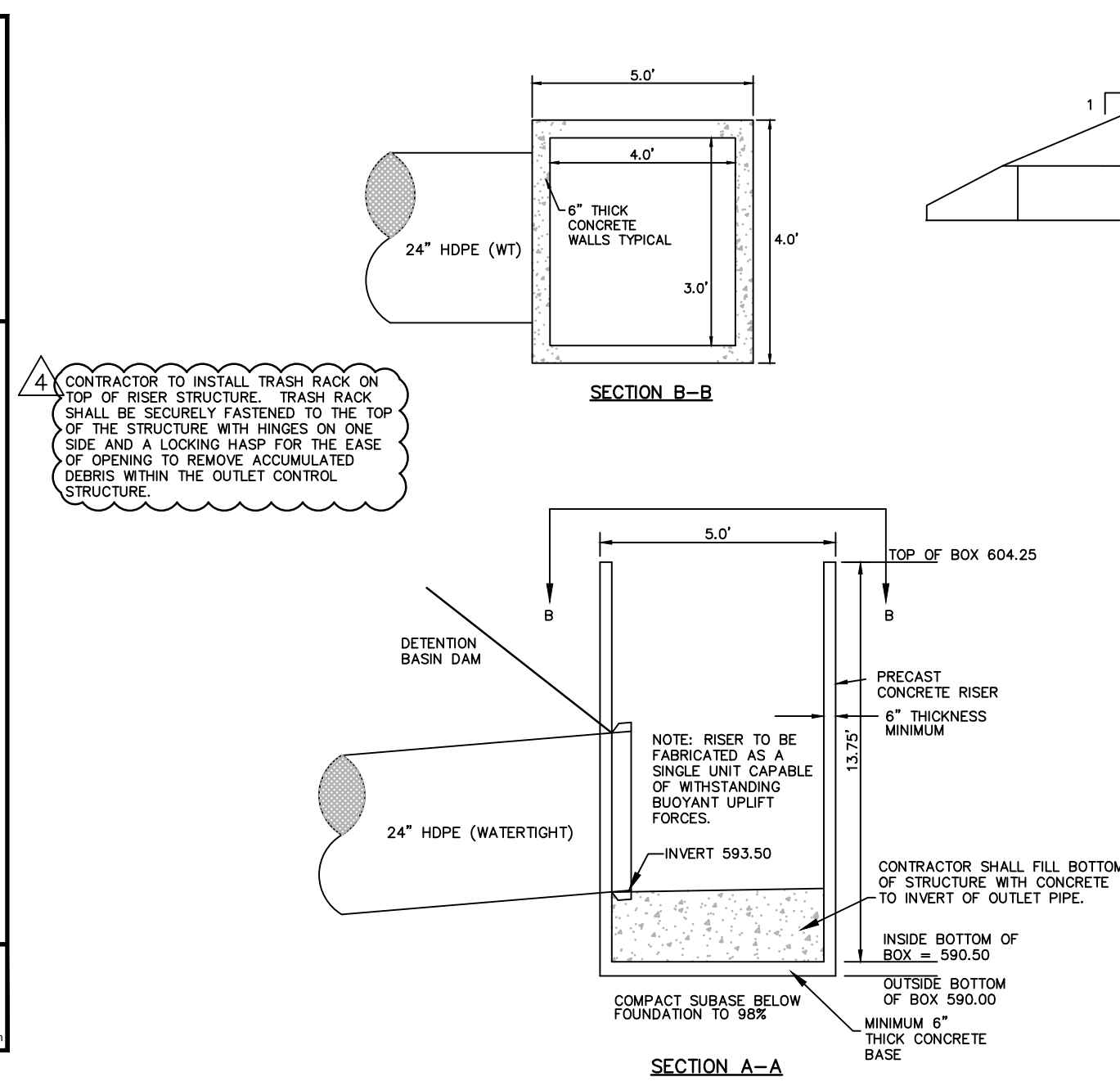
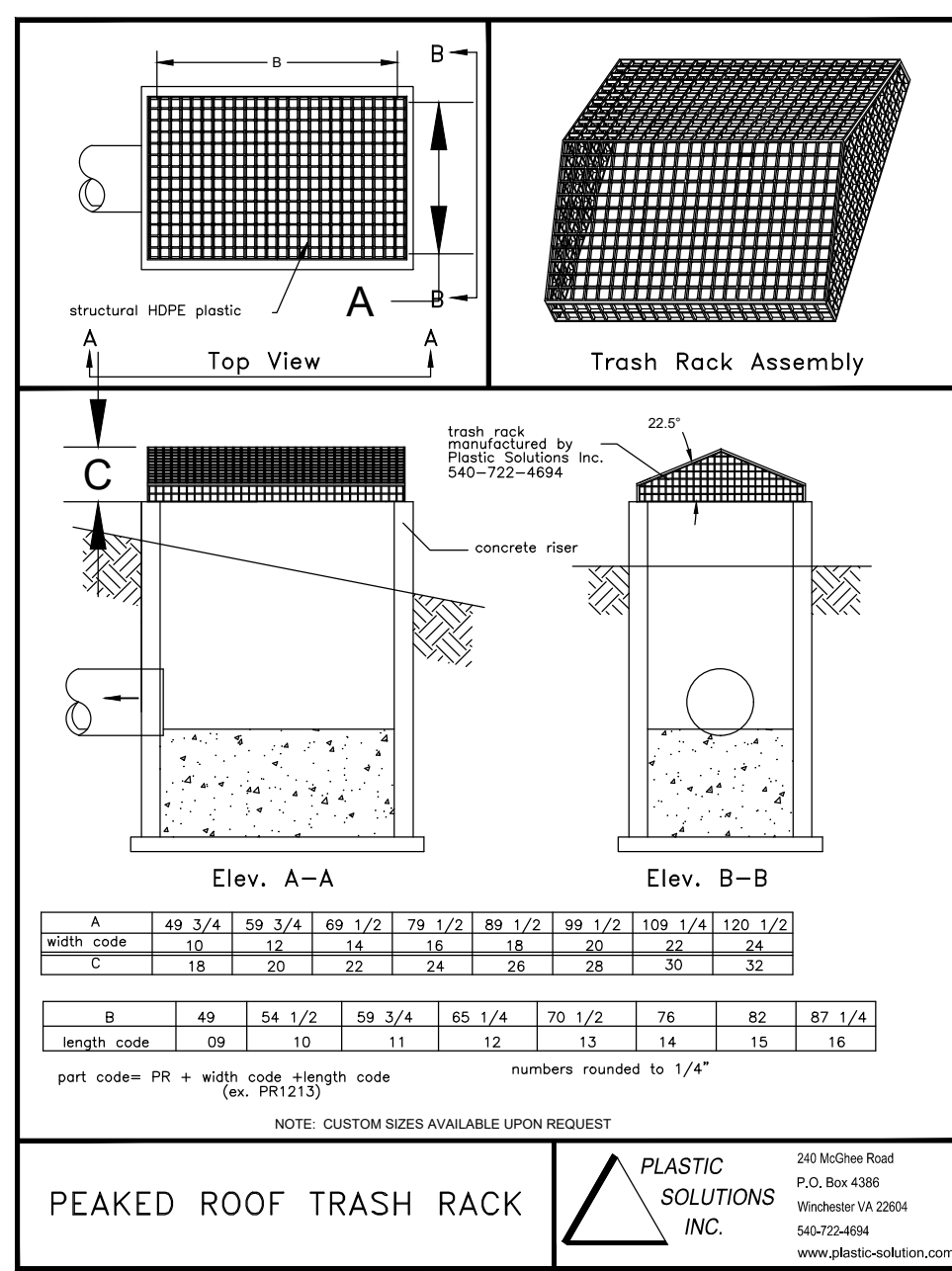
REVISIONS

2	11/27/18	BELMONT COMMENTS
5	10/30/20	NS/LPSS COMMENTS

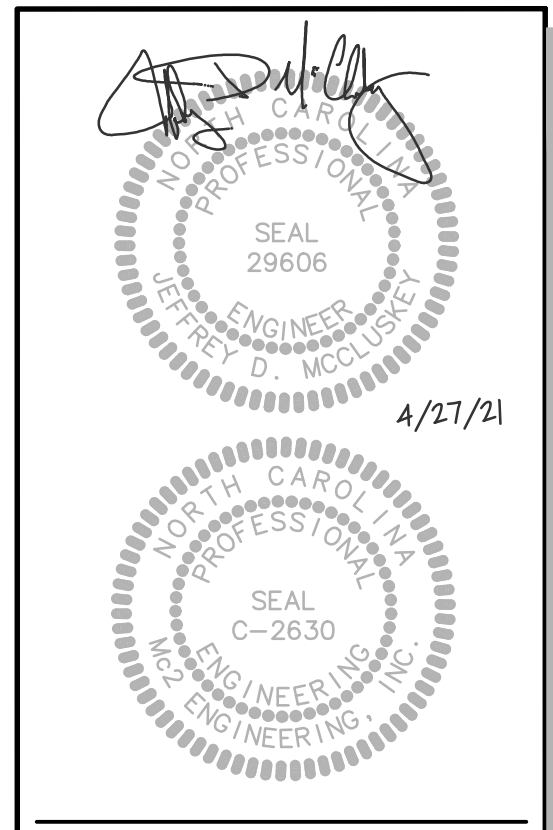
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**C9.7**



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**DETAIL SHEET**

REVISIONS

NO.	DATE	DESCRIPTION
7	4/27/21	BELMONT COMMENTS

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**C9.8**