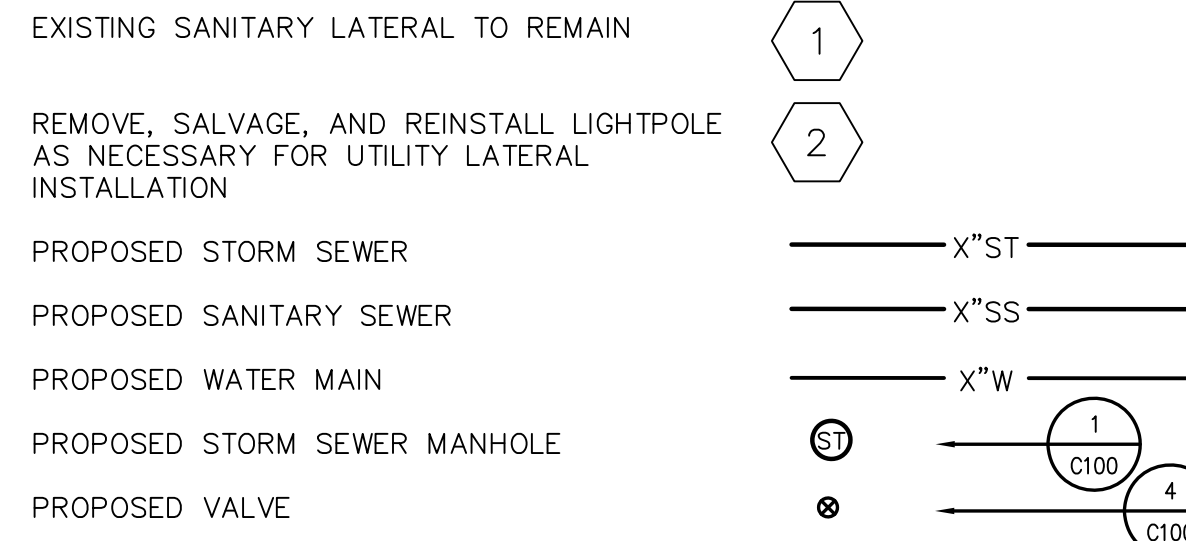


GENERAL NOTES:

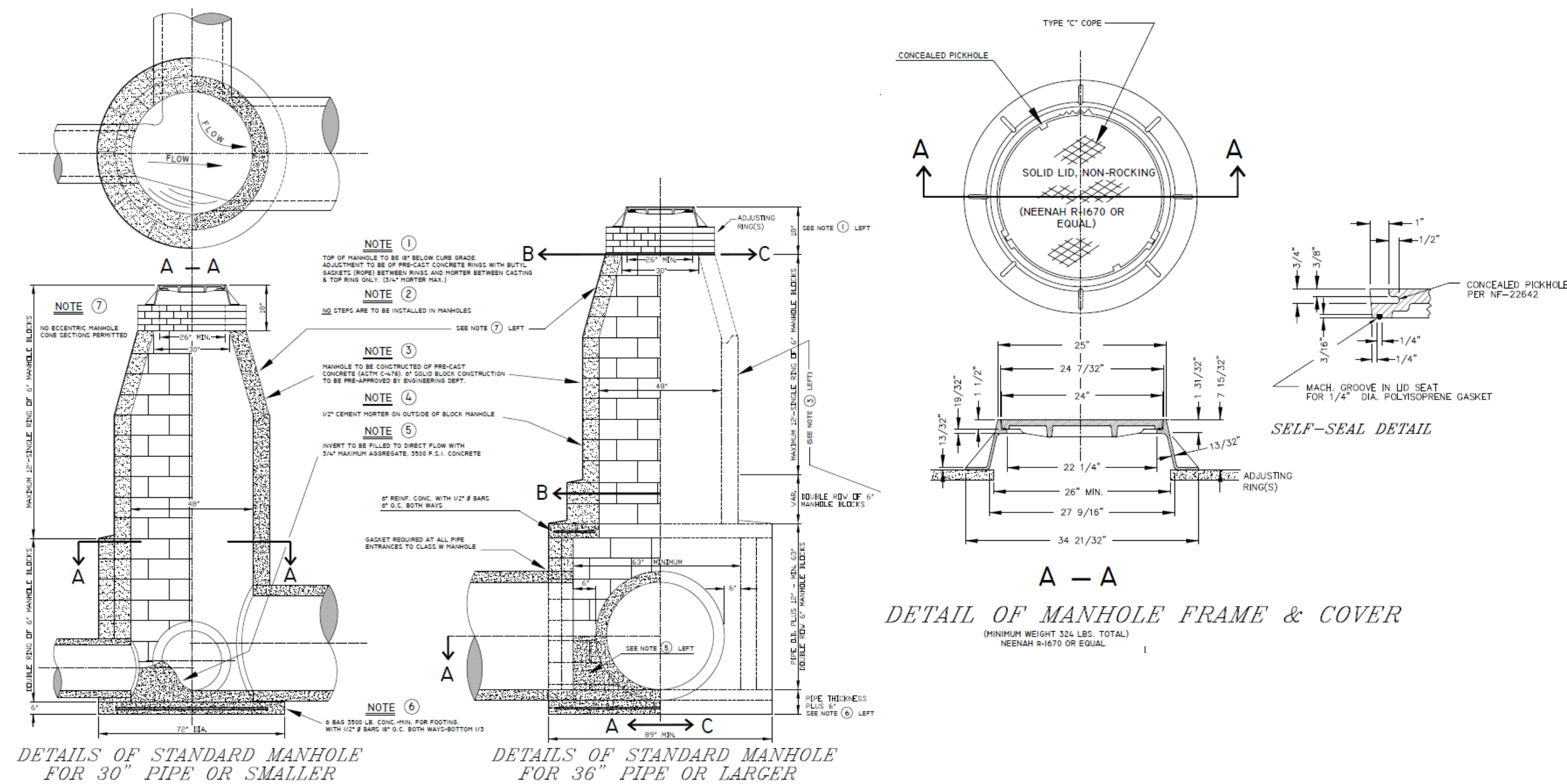
1. CONTACT DIGGER'S HOTLINE 5 WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.
2. COORDINATE WITH THE OWNER AND LOCAL UTILITY COMPANIES TO LOCATE ANY EXISTING UTILITIES ON SITE PRIOR TO THE START OF WORK.
3. GRADE, LINE, AND LEVEL SHALL BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
4. ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR.
5. VERIFY EXACT SANITARY SEWER/WATER LATERAL CONNECTION LOCATIONS AND SIZES WITH THE BUILDING MECHANICAL/PLUMBING PLANS.
6. COORDINATE ALL UTILITY WORK WITH THE RESPECTIVE TRADES RESPONSIBLE FOR THE INSTALLATION OF GAS, CABLE, TELEPHONE AND ELECTRICAL (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE).
7. COORDINATE ALL WORK WITHIN THE PUBLIC RIGHT OF WAY WITH THE LOCAL MUNICIPALITY.
8. TESTING AND INSPECTION SHALL BE DONE IN ACCORDANCE WITH SPS 382.21.
9. THE PROPOSED WATER MAIN/LATERAL SHALL HAVE A MINIMUM COVER OF 7'-6" FROM TOP OF PIPE TO PROPOSED FINISHED GRADES.
10. PRIOR TO THE START OF WORK VERIFY WITH THE LOCAL AUTHORITIES THAT ALL REQUIRED PERMITS HAVE BEEN ACQUIRED.
11. THE MUNICIPALITY SHALL BE CONTACTED PRIOR TO ANY EXCAVATION IN THE PUBLIC RIGHT-OF-WAY AND PRIOR TO CONNECTING SANITARY SEWER AND WATER LATERALS TO THE PUBLIC MAINS. THE CONTRACTOR SHALL HAVE A TRAFFIC CONTROL PLAN APPROVED PRIOR TO WORK COMMENCING. THE MUNICIPALITY SHALL OPERATE EXISTING WATER VALVES, IF NEEDED.
12. FIELD VERIFY INVERT ELEVATION OF THE SANITARY SEWER AND WATER PUBLIC MAIN AT THE LOCATION OF THE SERVICE LATERAL CONNECTIONS. PRIOR TO CONNECTING THE LATERALS TO THE PUBLIC MAIN.
13. ALL EXISTING CONDITIONS, INVERTS, AND ELEVATIONS ARE SHOWN APPROXIMATE AND ARE BASED ON MAPPING PROVIDED BY OTHERS.
14. INSTALLATION OF STORM AND SANITARY SEWERS SHALL BE PER STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF SEWERS CITY OF LA CROSSE, WISCONSIN.
15. ADJUSTMENTS TO CITY WATER MAIN REQUIRE DUCTILE IRON PIPE PER CITY SPECIFICATIONS.

UTILITY LEGEND:



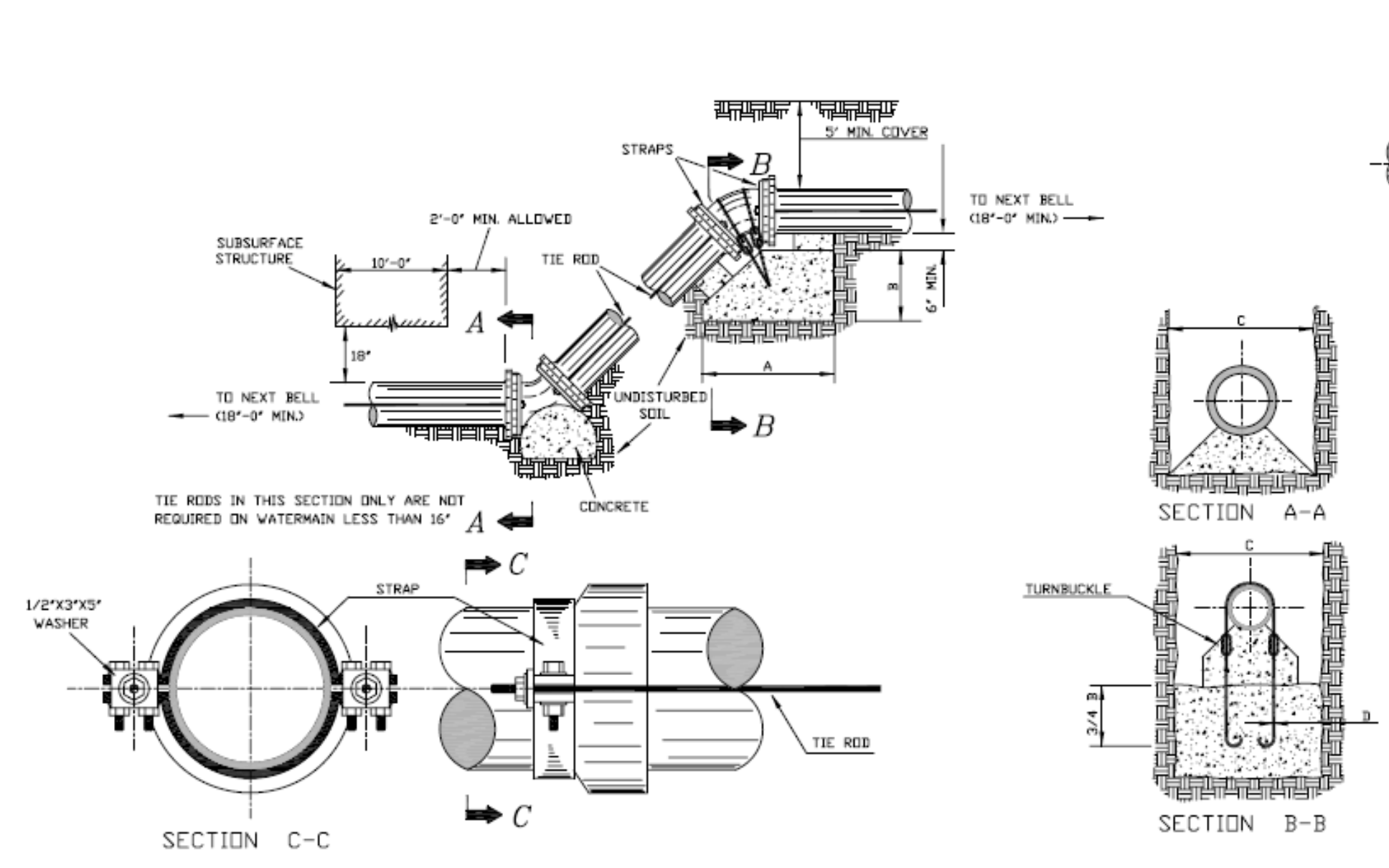
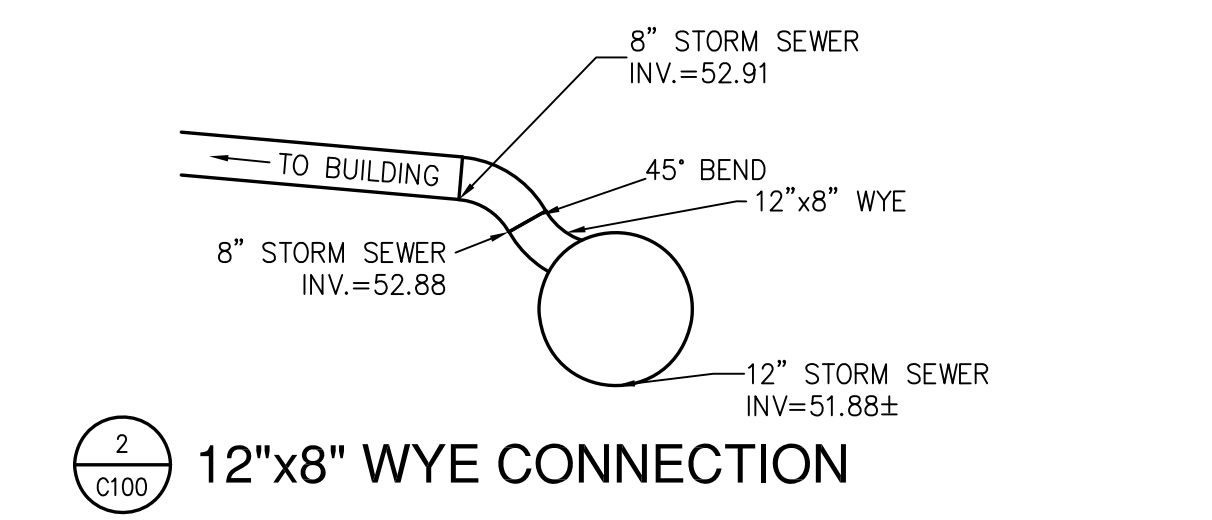
STORM MANHOLE SCHEDULE:

ST#1	ST#2
RIM (MATCH STREET GRADE)	RIM (MATCH ALLEY GRADE)
INV. N 51.42±	INV. S 52.46±
INV. E 51.42±	INV. E 52.46±
INV. W 51.42±	
DEPTH (FIELD VERIFY)	DEPTH (FIELD VERIFY)
SEE DETAIL 1/C100	SEE DETAIL 1/C100



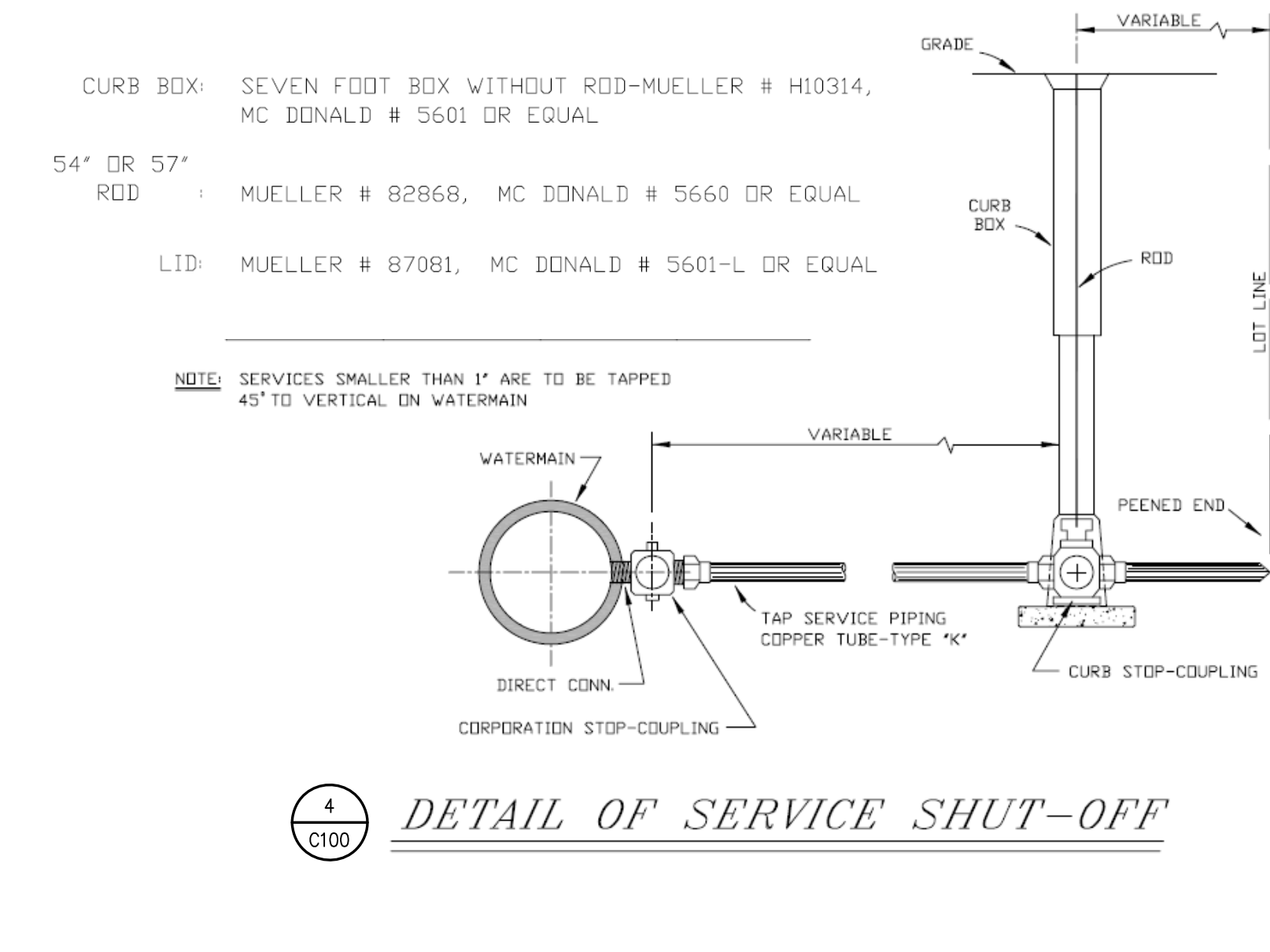
NOTES: THE CITY IS CURRENTLY IN THE PROCESS OF REVISING THE ABOVE DETAIL, NOTE THE FOLLOWING PLANNED REVISIONS:

1. ALL MANHOLES MUST BE PRECAST CONCRETE. NO BLOCK STRUCTURES ALLOWED. NO SEPARATE BOTTOM PIECES (COOKIES) OR DOGHOUSE SECTIONS ALLOWED, MUST BE INTEGRATED BASE.
2. STORM PIPE TO BE PVC WITH WATER TIGHT BOOTS AT STRUCTURE CONNECTION POINTS.

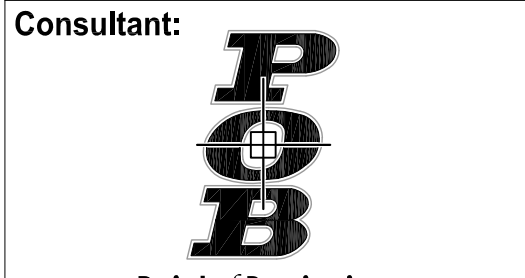


BEND		SIZE	A	B	C	D
45°	16"	6"	3"	2.5"	1"	
	20"	6"	3"	3"	1 1/4"	
	24"	6"	6"	3"	1 1/2"	
	30"	6"	5"	5"	2"	
22 1/2°	16"	6"	2"	2.5"	3/4"	
	20"	6"	2"	2.5"	1"	
	24"	6"	4"	2.5"	1"	
	30"	6"	4"	3"	1 1/4"	
11 1/4°	16"	6"	2"	2.5"	3/4"	
	20"	6"	2"	2.5"	3/4"	
	24"	6"	2"	2.5"	3/4"	
	30"	6"	2"	3"	3/4"	

STRAPPING MATERIAL					
PIPE SIZE	TIE RODS	STRAPS	BOLT DIA.	WASHERS	
6"	2"	1"	1/2"x2"	3/4"	1/2"x3"x5"
8"	2"	1"	1/2"x2"	3/4"	1/2"x3"x5"
10"	2"	1 1/4"	1/2"x2 1/2"	1"	1/2"x3"x5"
16"	2"	1"	1/2"x2"	3/4"	1/2"x3"x5"
20"	2"	1"	1/2"x2"	3/4"	1/2"x3"x5"
24"	2"	1"	1/2"x2"	3/4"	1/2"x3"x5"
30"	2"	1"	1/2"x2"	3/4"	1/2"x3"x5"



HSR ASSOCIATES INC.
100 MILWAUKEE STREET
LA CROSSE, WISCONSIN
PHONE: 608.784.1830
FAX: 608.782.5844
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Point of Beginning
Civil Engineering
Land Surveying
Landscape Architecture
5709 Winny Drive, Suite D
Stevens Point, WI 54482
715.344.9999(PH) 715.344.9922(FX)

**GUNDERSON HEALTH SYSTEM
DOWNTOWN DENTAL RENOVATION
AND EXTERIOR RESTORATION**

Project Title: **CIVIL UTILITY PLAN**
Project Location: **201-215 Third Street North
La Crosse, Wisconsin 54601**
Project Number: **18032**
Project Date: **DECEMBER 7, 2018**
Scale: **1" = 20'**
Last Update: **1/31/19 11:30:00 AM**

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Scale 1" = 20'
C100