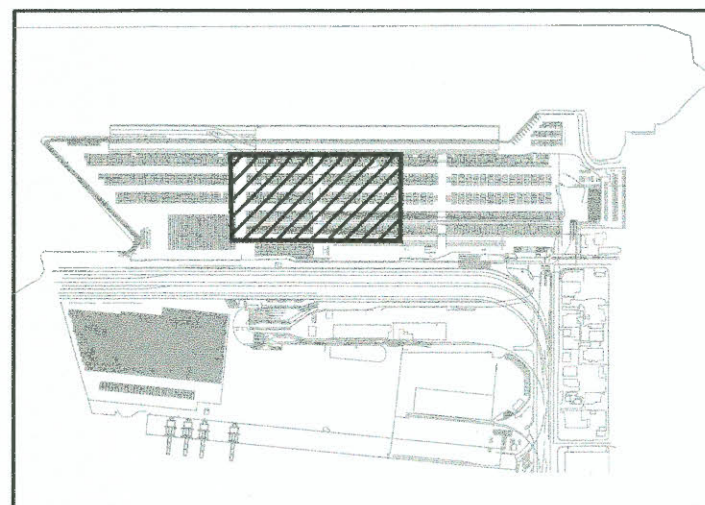
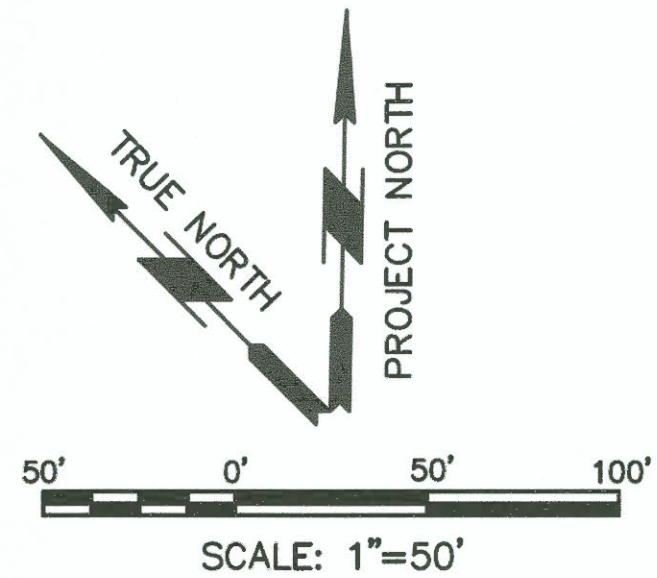


NOTES:

1. SITTS & HILL SURVEY IS SOURCE OF EXISTING UTILITY INFORMATION. SEE REFERENCE DOCUMENTS FOR ADDITIONAL INFORMATION INCLUDING STORM DRAIN INVERT ELEVATIONS.
2. LOCATE EXISTING UTILITIES AS FIRST ORDER OF WORK. PROTECT EXISTING UTILITIES UNLESS OTHERWISE NOTED. POT HOLE AS NEEDED TO LOCATE AND PROTECT EXISTING UTILITIES.
3. FIELD VERIFY NOMINAL DIAMETER, MATERIAL, AND INVERT ELEVATIONS OF EXISTING SD PIPE TO BE REPLACED AND/OR CONNECTED TO. NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
4. SAWCUT AND REMOVE ACP AS REQUIRED FOR REMOVAL/CONSTRUCTION OF UTILITIES AND STRUCTURES.
5. REPAIR PAVEMENT FROM UTILITY TRENCHING AND MANHOLE INSTALLATION. SEE PAVEMENT DETAIL ON SHEET C03.01
6. PROVIDE FINAL AS-BUILT STORM DRAIN INVERTS ON RECORD DRAWINGS.

LEGEND

- SD INSTALL NEW STORM DRAIN
- CONSTRUCTION LIMITS



KEY PLAN

1 SITE PLAN
C02.01 SCALE: 1"=50'

6614 C02.01 8 OF 12	PORT OF TACOMA NIM STORMWATER PIPE EXTENSION DRAINAGE PLAN	APPROVED:	SG	07-30-19	CHECKED BY	DATE
		DIRECTOR	AP	07-30-19	PROJ. ENGR	DATE
TOWNSHIP: 21N		RANGE: 3E	SECTION: 27/28/34	PRINTED BY: aptatterson Jul 31, 2019		
M. ID: 201055.02		DAT-HRZ: WA83-SF	VERT: MLLW 19.39' @ TIDE 22 1933	PORT ADDRESS: ONE SITCUM PLAZA		
PHASE: BID		DRAWING SCALE: AS NOTED		TACOMA, WA 98401-1837		

600 UNIVERSITY STREET
SUITE 610
SEATTLE, WA 98101
(206) 462-0422

moffatt & nichol

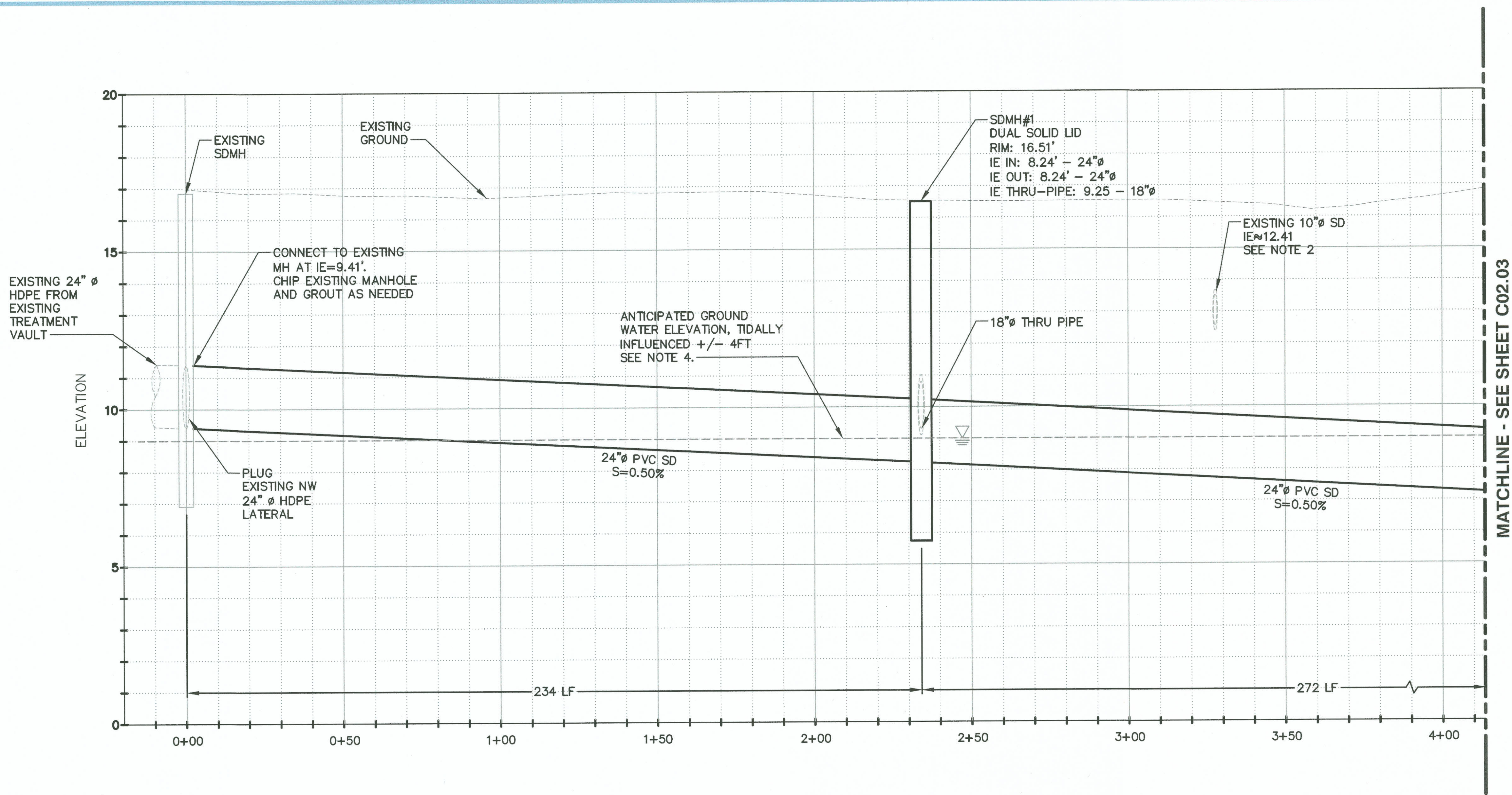
600 UNIVERSITY STREET
SUITE 610
SEATTLE, WA 98101
(206) 462-0422

DATE: _____
APPR: _____
BY: _____
REVISION: _____
MARK: _____

7/31/2019

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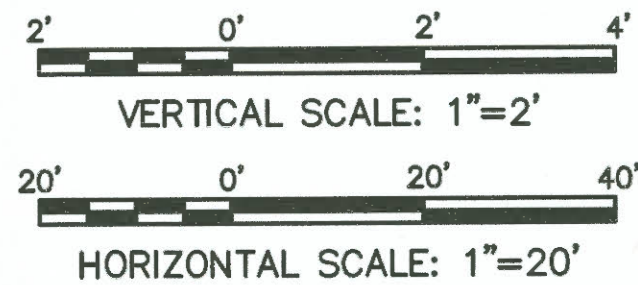


1
C02.01 **NIM BYPASS PROFILE**
SCALE: 1"= 20' (HORIZ) 1"= 2' (VERT)

STRUCTURE SCHEDULE				
STRUCTURE ID:	NORTHING:	EASTING:	TYPE/SIZE:	NOTES:
Existing MH	712655.35	1166181.43	EXISTING	CONC COLLAR. SEE 1/C03.02
SDMH#1	712839.76	1166325.50	B-10.20-01 - 72"Ø	SADDLE MANHOLE W/ CONC COLLAR. SEE 1/C03.02
SDMH#2	713074.02	1166463.33	B-10.20-01 - 48"Ø	CONC COLLAR. SEE 1/C03.02
SDMH#3	713269.34	1166261.77	B-10.20-01 - 60"Ø	CONC COLLAR. SEE 1/C03.02

NOTES:

1. DRAINAGE STRUCTURES, INCLUDING FRAMES AND GRATES, SHALL BE DESIGNED FOR THE LIVE LOAD DESIGN CRITERIA NOTED ON SHEET G01.03.
2. LOCATE AND POTHOLE EXISTING UTILITIES AS FIRST ORDER OF WORK. NOTIFY ENGINEER IF EXISTING UTILITIES DIFFER FROM SHOWN.
3. COORDINATES OF DRAINAGE STRUCTURES ARE AT CENTERLINE OF THE STRUCTURE, UON.
4. CONTRACTOR SHALL DESIGN AND PROVIDE A DEWATERING SYSTEM IN ACCORDANCE WITH THE SPECIFICATIONS.



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SUITE#610
SEATTLE, WA 98101
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REGISTERED PROFESSIONAL ENGINEER
NO. 17387
2009

APPROVED:

SG 07-30-19
CHECKED BY: AP
DATE: 07-30-19
PROJECT: NIM Storm Bypass
PORT ADDRESS: ONE SITCUM PLAZA
TACOMA, WA 98401-1837

6614
C02.02
9 OF 12

CONTRACT/CONS: 071143
M. ID: 201055.02
PHASE: BID

PORT OF TACOMA
NIM STORMWATER PIPE EXTENSION
DRAINAGE PROFILE SHEET 1 OF 2

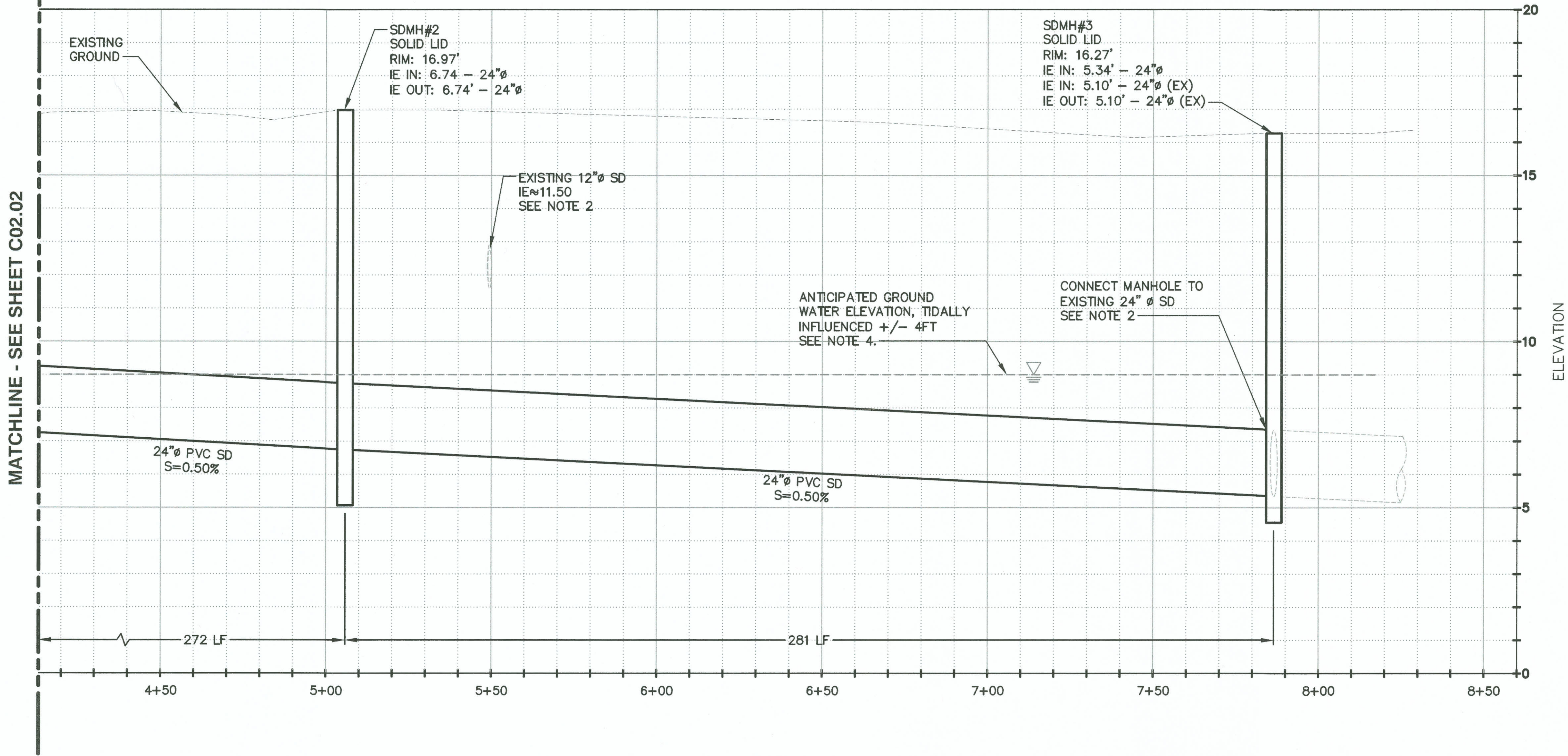
TOWNSHIP: 21N
RANGE: 3E
SECTION: 27/28/34
DATE-HRZ: WA83-SF
VERT: MLLW 19.39' @ TIDE 22 1933
DRAWING SCALE: AS NOTED

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SUITE#610
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(206) 622-0222

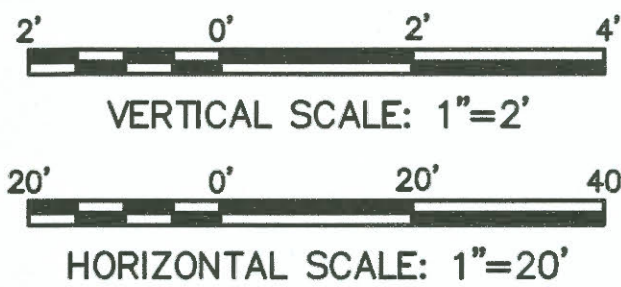
REGISTERED PROFESSIONAL ENGINEER
NO. 17387
2009

MARK:
REVISION:
BY:
DATE:
APPR:
DATE:



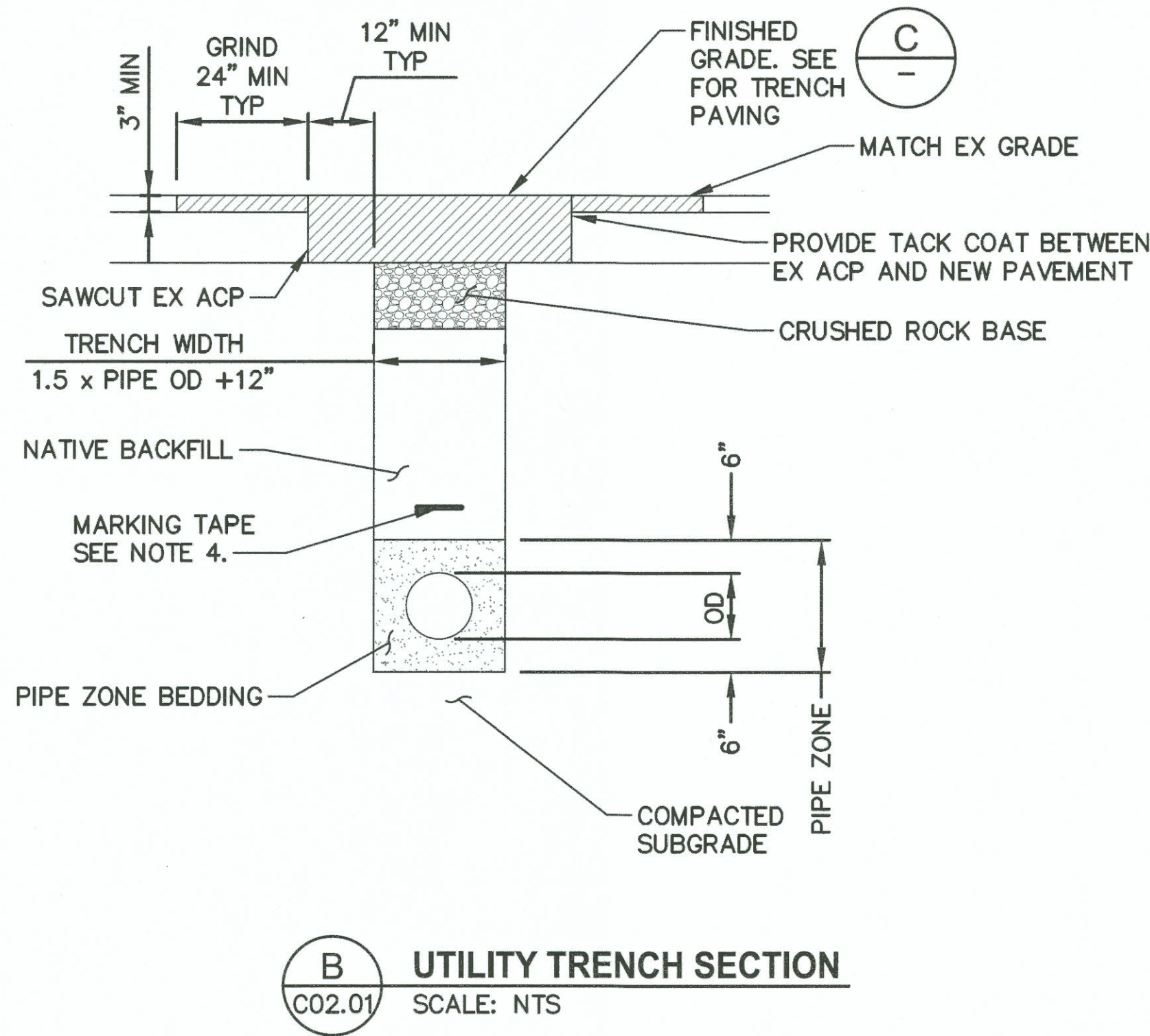
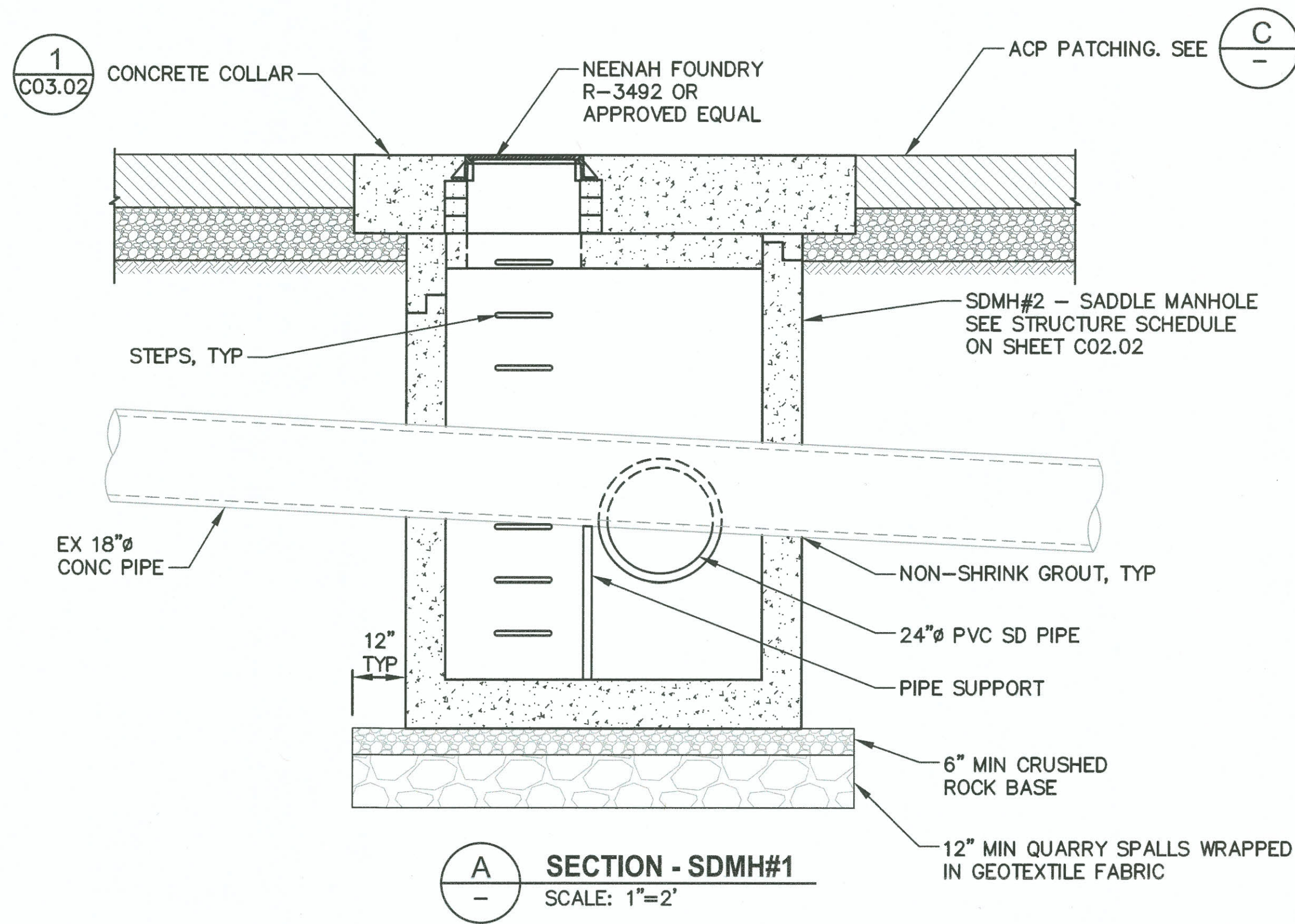
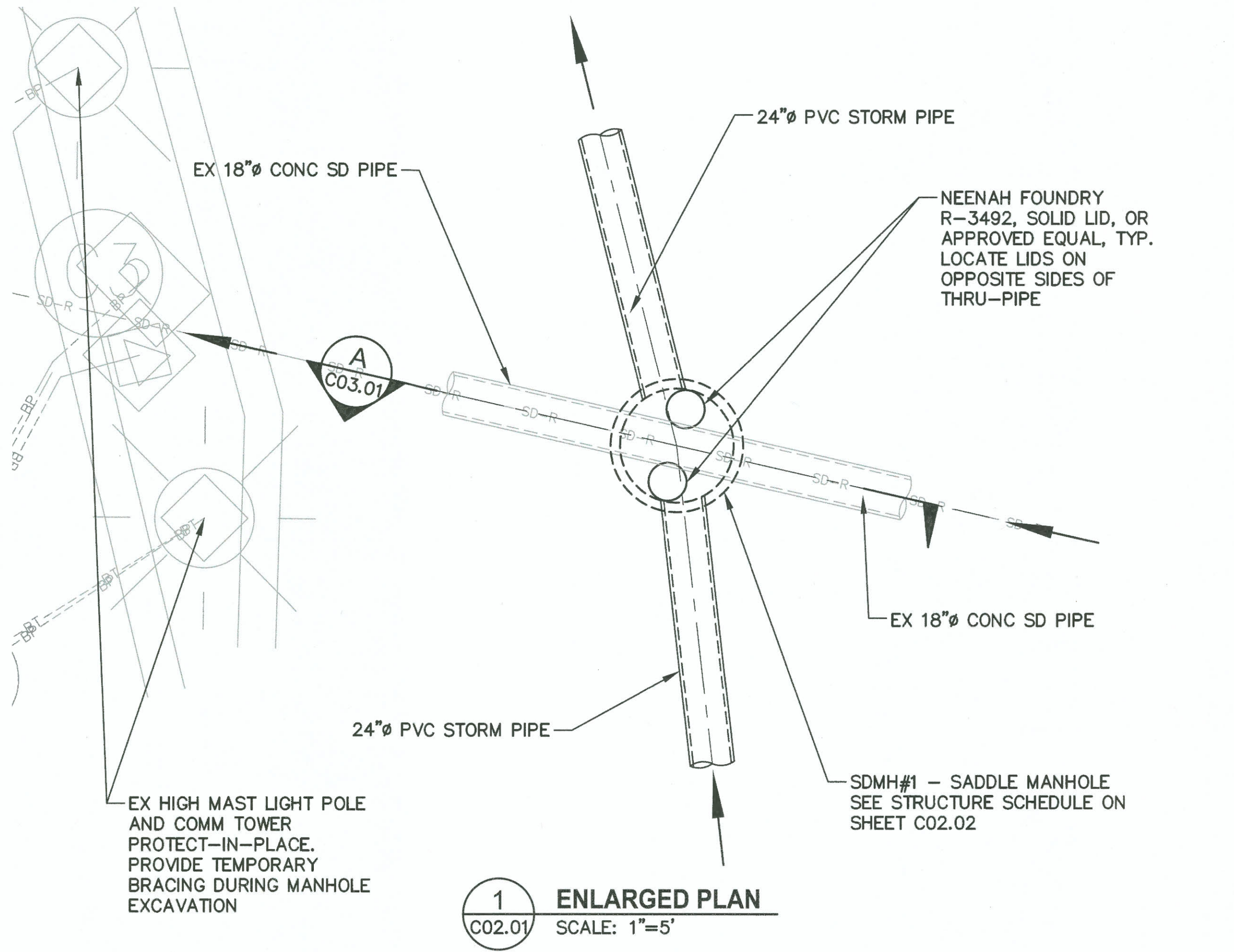
NOTES:

1. DRAINAGE STRUCTURES, INCLUDING FRAMES AND GRATES, SHALL BE DESIGNED FOR THE LIVE LOAD DESIGN CRITERIA NOTED ON SHEET G01.03.
2. LOCATE AND POTHOLE EXISTING UTILITIES AS FIRST ORDER OF WORK. NOTIFY ENGINEER IF EXISTING UTILITIES DIFFER FROM SHOWN.
3. COORDINATES OF DRAINAGE STRUCTURES ARE AT CENTERLINE OF THE STRUCTURE, UON.
4. CONTRACTOR SHALL DESIGN AND PROVIDE A DEWATERING SYSTEM IN ACCORDANCE WITH THE SPECIFICATIONS.

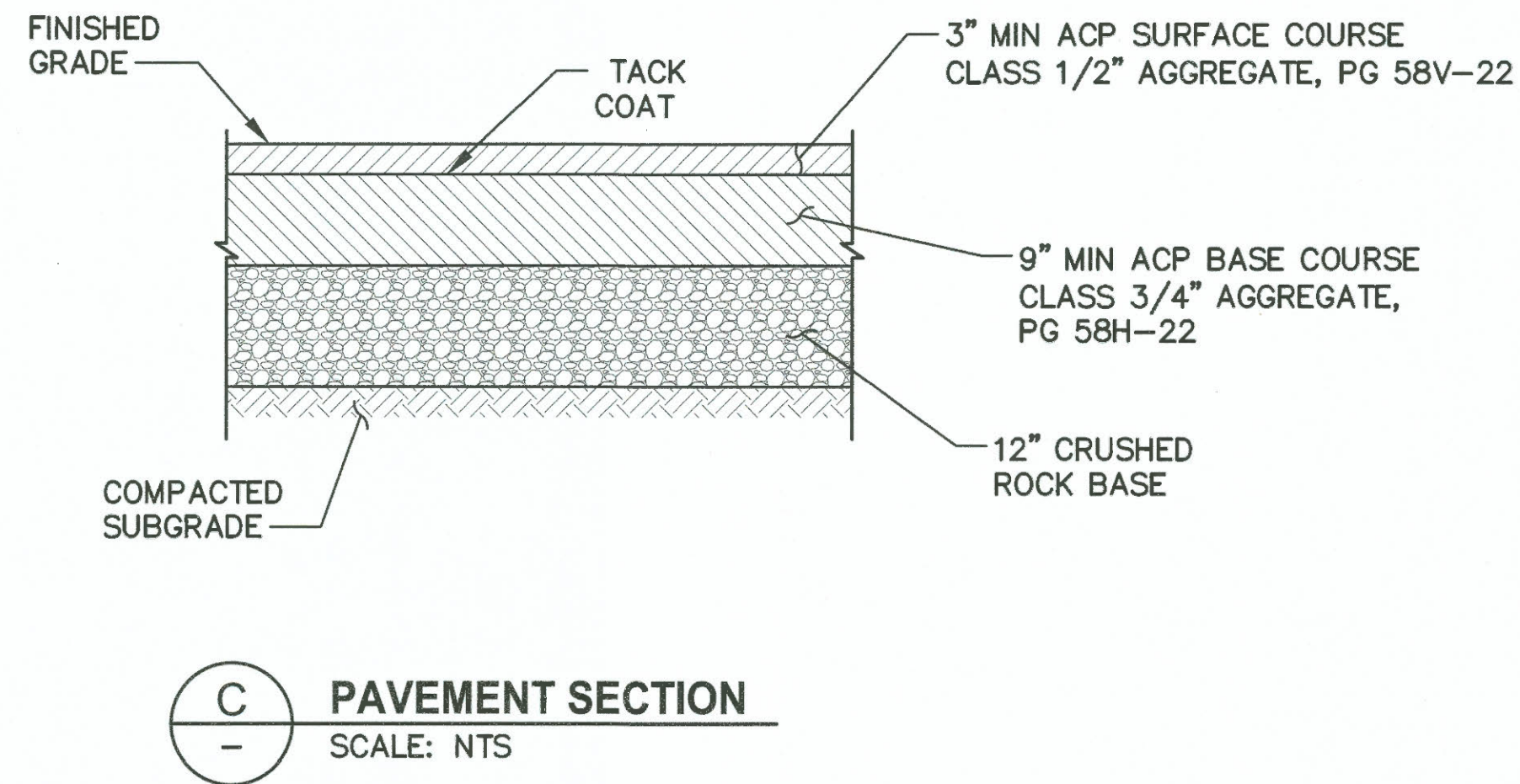


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6614 C02.03 10 OF 12	PORT OF TACOMA NIM STORMWATER PIPE EXTENSION NIM BYPASS PROFILE - SHEET 2 OF 2	APPROVED:	SG	07-30-19	CHECKED BY	DATE
		AP		07-30-19	PROJ. ENGR	DATE
TOWNSHIP: 21N RANGE: 3E SECTION: 27/28/34		DIRECTOR ENG. DATE		TACOMA, WA 98401-1837		
DAT-HRZ: WA83-SF VERT: MLW 19.39' @ TIDE 22 1933		PORT ADDRESS: ONE SITCUM PLAZA		TACOMA, WA 98401-1837		
PARCEL:		DRAWING SCALE: AS NOTED		TACOMA, WA 98401-1837		
M. ID: 201055.02		PARCEL:		TACOMA, WA 98401-1837		
PHASE: BID		PARCEL:		TACOMA, WA 98401-1837		
600 UNIVERSITY STREET SUITE 610 SEATTLE, WA 98101 (206) 622-0222		600 UNIVERSITY STREET SUITE 610 SEATTLE, WA 98101 (206) 622-0222		600 UNIVERSITY STREET SUITE 610 SEATTLE, WA 98101 (206) 622-0222		
moffatt & nichol		moffatt & nichol		moffatt & nichol		
P.O. BOX 187 TACOMA, WA 98401 (206) 622-0222		P.O. BOX 187 TACOMA, WA 98401 (206) 622-0222		P.O. BOX 187 TACOMA, WA 98401 (206) 622-0222		
Port of Tacoma		Port of Tacoma		Port of Tacoma		
DATE:		DATE:		DATE:		
APPR:		APPR:		APPR:		
BY:		BY:		BY:		
REVISION:		REVISION:		REVISION:		
MARK:		MARK:		MARK:		

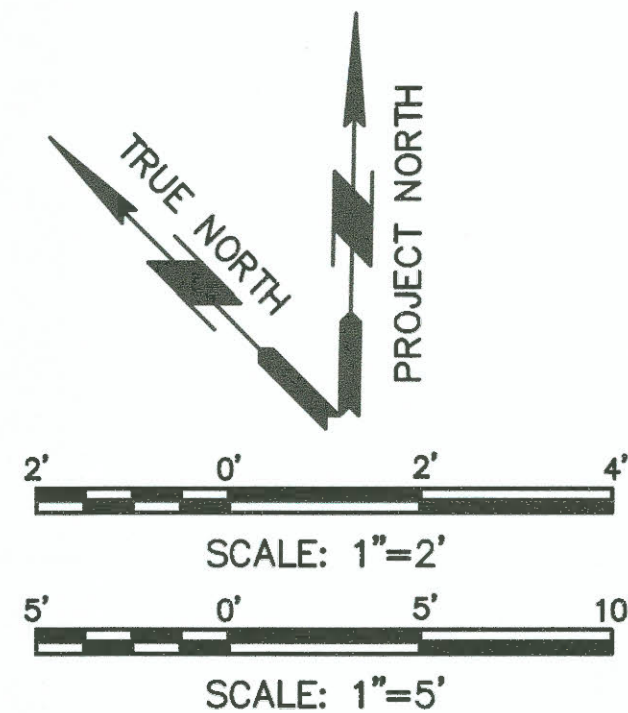


- NOTES:
1. PROVIDE UNIFORM SUPPORT UNDER PIPE BARREL.
 2. HAND TAMP UNDER HAUNCHES.
 3. SEE SPECIFICATIONS AND COMPACTION REQUIREMENTS.
 4. PROVIDE MARKING TAPE 6 INCHES ABOVE PIPE ZONE BEDDING.

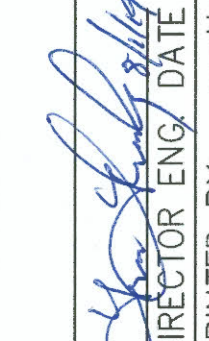






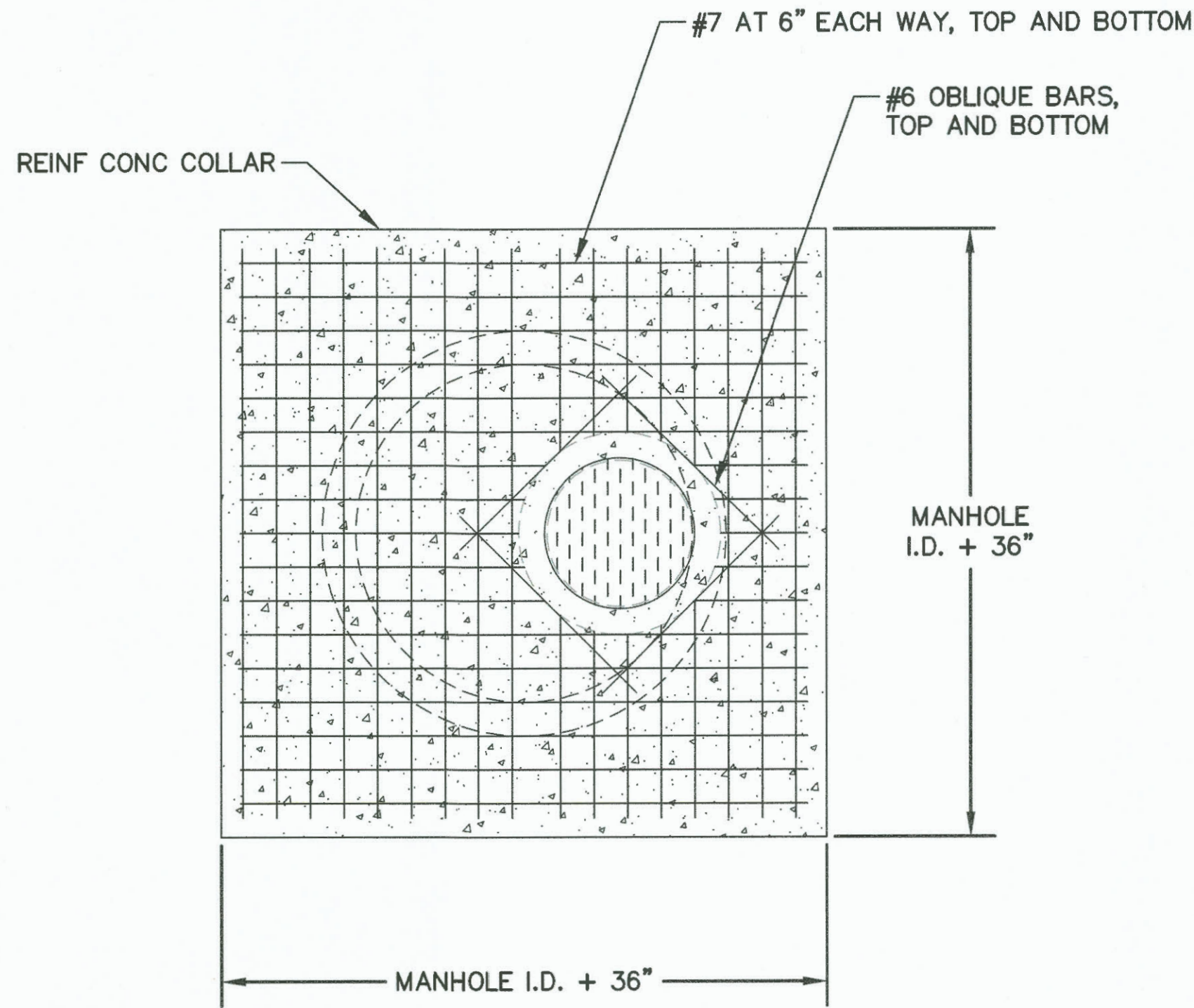
NOTES:

1. DRAINAGE STRUCTURES, INCLUDING FRAMES AND GRATES, SHALL BE DESIGNED FOR THE LIVE LOAD DESIGN CRITERIA NOTED ON SHEET G01.03.
2. LOCATE AND POTHOLE EXISTING UTILITIES AS FIRST ORDER OF WORK. NOTIFY ENGINEER IF LOCATION OF EXISTING UTILITIES DIFFER FROM SHOWN ON THE PLANS.

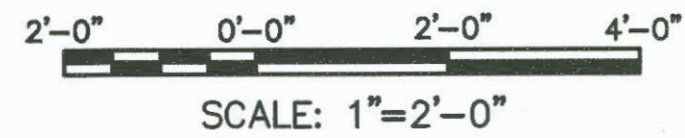
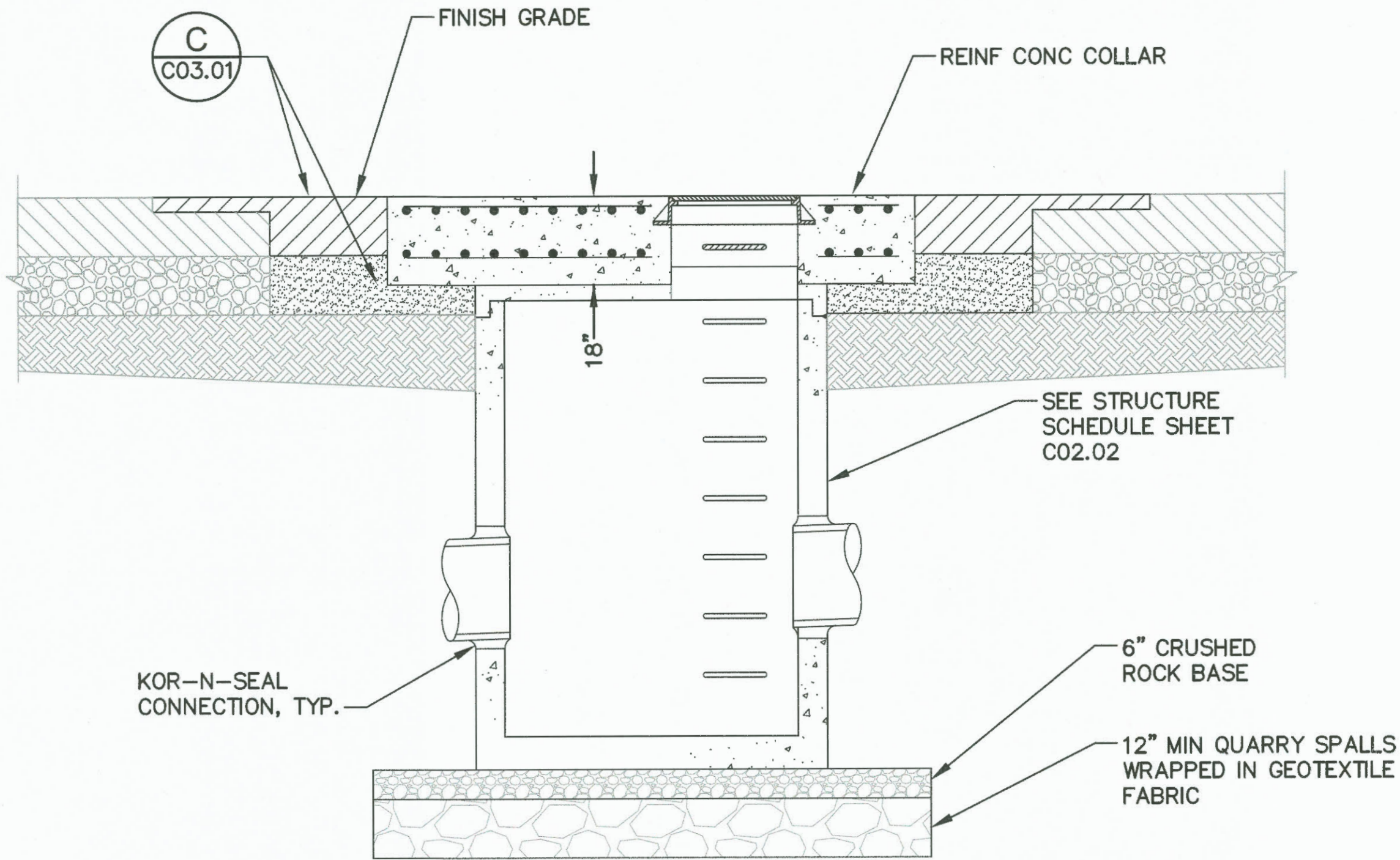


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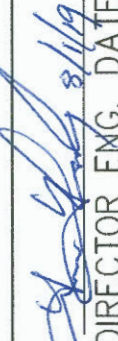
6614 C03.01 11 OF 12	PORT OF TACOMA NIM STORMWATER PIPE EXTENSION CIVIL DETAILS SHEET 1 OF 2		APPROVED: 		SG	07-30-19
	TOWNSHIP: 21N RANGE: 3E SECTION: 27/28/34 M. ID: 201055.02 DAT-HRZ: WA83-SF VERT: MLLW 19.39' @ TIDE 22 1933 PARCEL: BID		DIRECTOR: DATE: 07-30-19 PRINTED BY: aptterson Jul 31, 2019 PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837		CHECKED BY: DATE: 07-30-19 AP	DATE: 07-30-19
600 UNIVERSITY STREET SEATTLE, WA 98101 (206) 622-0222		moffatt & nichol		BY: 		DATE: 07-30-19
Port of Tacoma P.O. BOX 1837 TACOMA, WA 98401 (206) 622-0222		MARK: REVISION: 		APPR: 		DATE: 07-30-19
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1
-
SDMH AND CONCRETE COLLAR DETAIL
SCALE: 1" = 2'-0"



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6614 C03.02 12 OF 12	PORT OF TACOMA NIM STORMWATER PIPE EXTENSION CIVIL DETAILS SHEET 2 OF 2				APPROVED:  DIRECTOR DATE: 8/19	SG 07-30-19
	TOWNSHIP: 21N DAT-HRZ: WAB3-SF PARCEL:	RANGE: 3E VERT: MLLW 19.39' @ TIDE 22 1933	SECTION: 27/28/34 TIDE 22 1933 DRAWING SCALE: AS NOTED	PRINTED BY: apterson PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837	PROJ. ENGR DATE: 7/31/19	AP 07-30-19
CONT/CONS: 071143 M. ID: 201055.02 PHASE: BID		600 UNIVERSITY STREET SUITE# 610 SEATTLE, WA 98101 (206) 622-0222 moffatt & nichol				600 UNIVERSITY STREET SUITE# 610 SEATTLE, WA 98101 (206) 622-0222 Port of Tacoma P.O. BOX 1807 TACOMA, WA 98401 (206) 384-4141
		MARK:	REVISION:	BY:	APPR:	DATE:

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