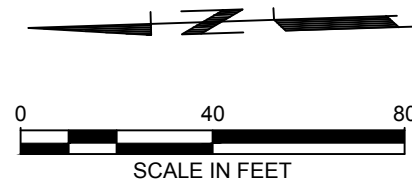
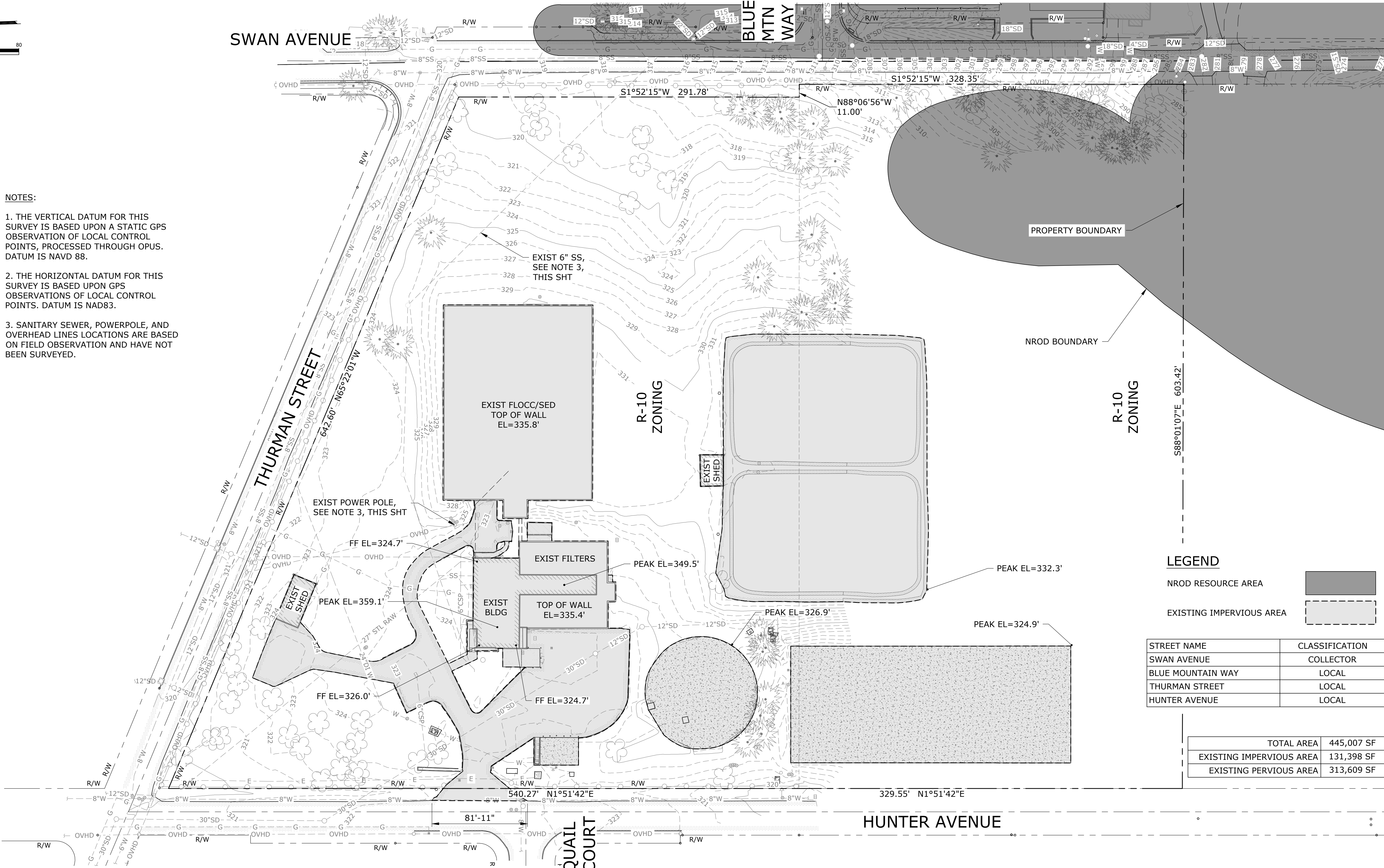


\\EgnyteDrive\Conisor Files_-V-W\Projects\OR\South Fork Water\2025\W253326OR.00\12 CADD\12-5 Sheets\C-ROAD-EXIST-COND.dwg C-101 7/29/2026 10:48 AM JUSTIN.DEUEL 24.3s (LMS Tech)



NOTES:

1. THE VERTICAL DATUM FOR THIS SURVEY IS BASED UPON A STATIC GPS OBSERVATION OF LOCAL CONTROL POINTS, PROCESSED THROUGH OPUS. DATUM IS NAVD 88.
2. THE HORIZONTAL DATUM FOR THIS SURVEY IS BASED UPON GPS OBSERVATIONS OF LOCAL CONTROL POINTS. DATUM IS NAD83.
3. SANITARY SEWER, POWERPOLE, AND OVERHEAD LINES LOCATIONS ARE BASED ON FIELD OBSERVATION AND HAVE NOT BEEN SURVEYED.



LEGEND

- NROD RESOURCE AREA
- EXISTING IMPERVIOUS AREA

STREET NAME	CLASSIFICATION
SWAN AVENUE	COLLECTOR
BLUE MOUNTAIN WAY	LOCAL
THURMAN STREET	LOCAL
HUNTER AVENUE	LOCAL

TOTAL AREA	445,007 SF
EXISTING IMPERVIOUS AREA	131,398 SF
EXISTING PERVIOUS AREA	313,609 SF

NO.	DATE	BY	REVISION

NOTICE

0 1/2 1

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

KKS
DESIGNED
AJR
DRAWN
ANB
CHECKED



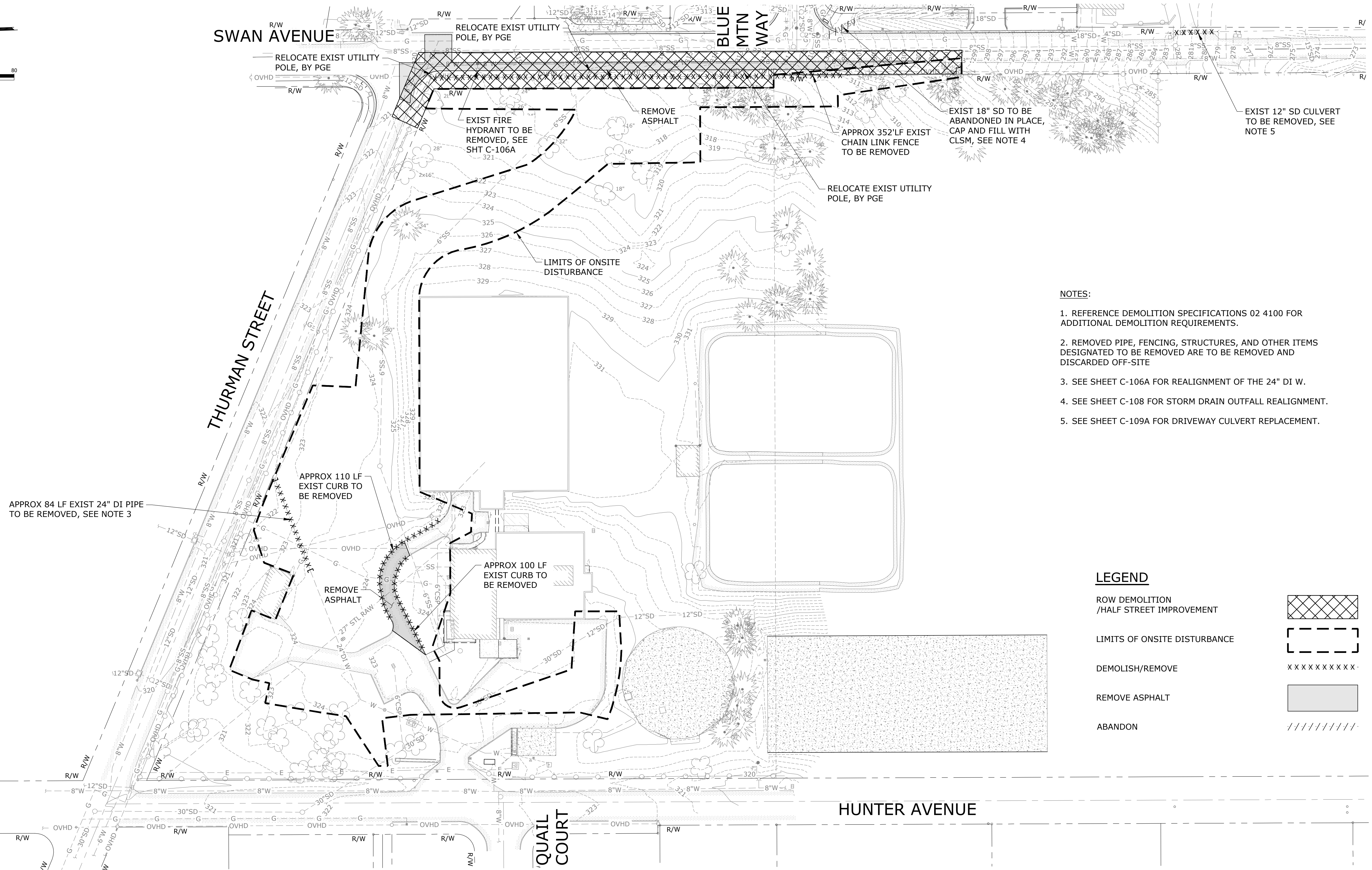
BID SET

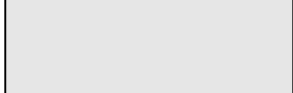
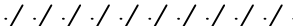


CIVIL SITE			
EXISTING CONDITIONS			
PROJECT NO.:	W253326OR	SCALE:	AS SHOWN
DATE:	AUGUST 2026		

SHEET

C-101



- | | |
|---|---|
| <u>LEGEND</u> | |
| ROW DEMOLITION
/ HALF STREET IMPROVEMENT |  |
| LIMITS OF ONSITE DISTURBANCE |  |
| DEMOLISH/REMOVE |  |
| REMOVE ASPHALT |  |
| ABANDON |  |

[illegible]

NOTICE



IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

KKS
DESIGNED
JLC
DRAWN
ANB
CHECKED

**BID SET**

WATER QUALITY SYSTEMS BUILDING

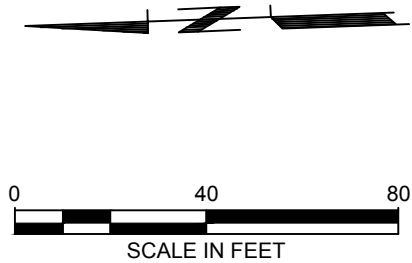
CIVIL SITE DEMOLITION PLAN

SHEET

C-102

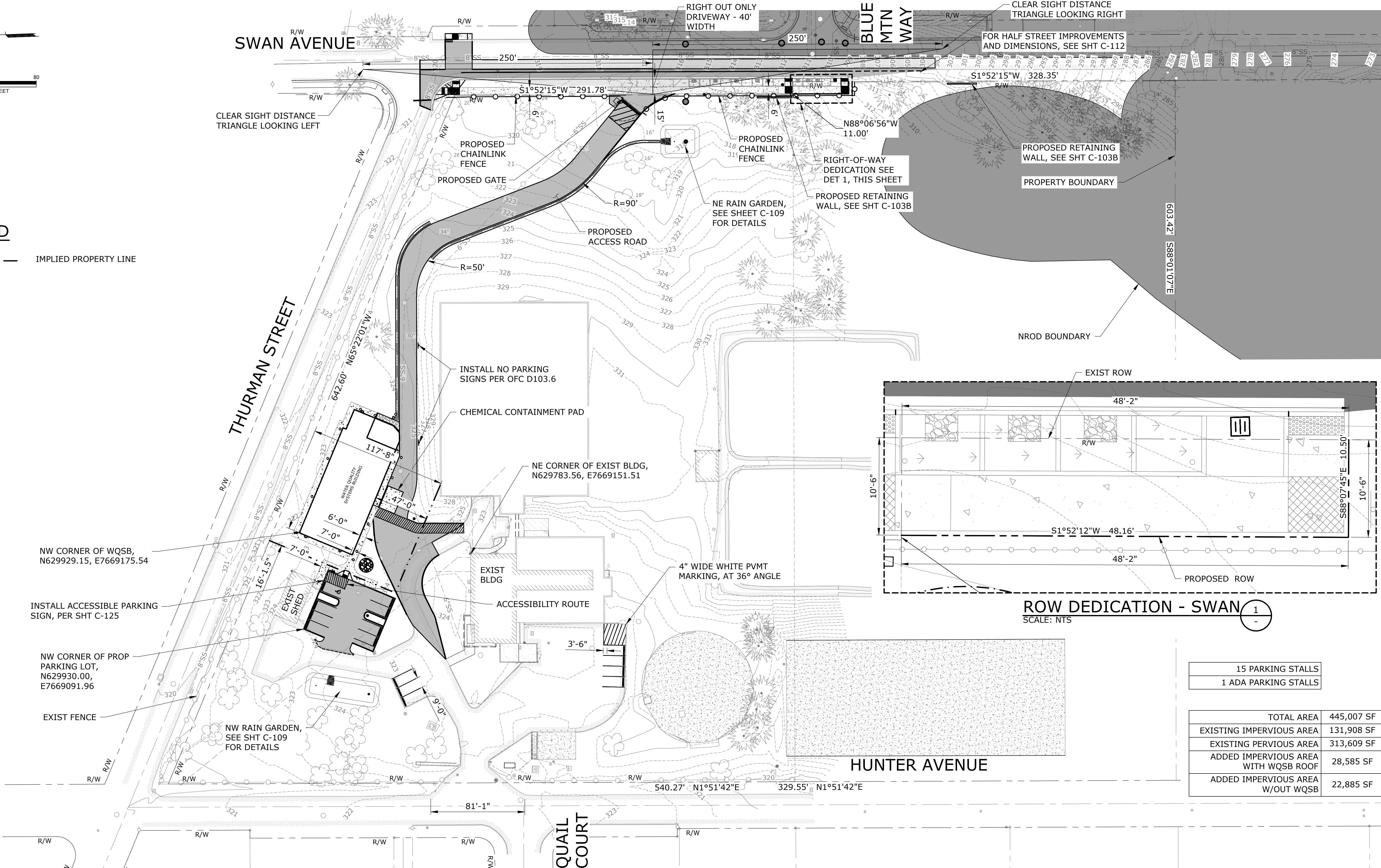
PROJECT NO.: W253326OR	SCALE: AS SHOWN	DATE: AUGUST 2026
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\\EgnyteDrive\Conisor Files_-W\Projects\OR\South Fork Water\2025\W253326OR.00\12 CADD\12-5 Sheets\SITE DIMENSIONAL PLAN.dwg C-103 7/29/2026 10:49 AM JUSTIN.DEUEL 24.3s (LMS Tech)



LEGEND

--- IMPLIED PROPERTY LINE



15 PARKING STALLS
1 ADA PARKING STALLS

TOTAL AREA	445,007 SF
EXISTING IMPERVIOUS AREA	131,908 SF
EXISTING PERVIOUS AREA	313,609 SF
ADDED IMPERVIOUS AREA WITH WQSB ROOF	28,585 SF
ADDED IMPERVIOUS AREA W/OUT WQSB	22,885 SF

NO.	DATE	BY	REVISION

NOTICE

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

KKS
DESIGNED
MDP
DRAWN
ANB
CHECKED

RENEWS 12-31-27

BID SET

consor
Stantec

South Fork
WATER
PURE WATER SINCE 1915

WATER QUALITY SYSTEMS BUILDING

CIVIL SITE

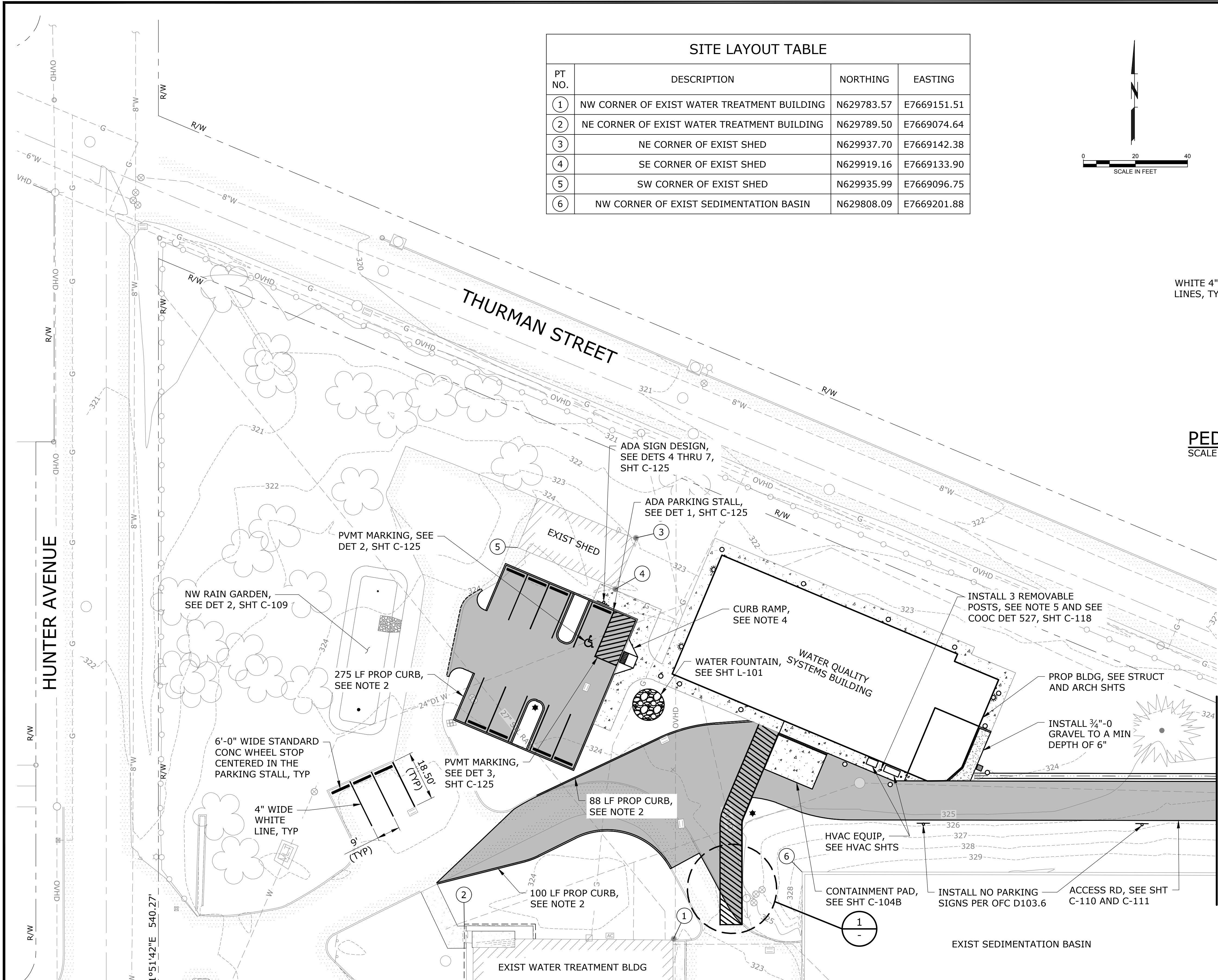
SITE DIMENSIONAL PLAN

PROJECT NO.: W253326OR SCALE: AS SHOWN DATE: AUGUST 2026

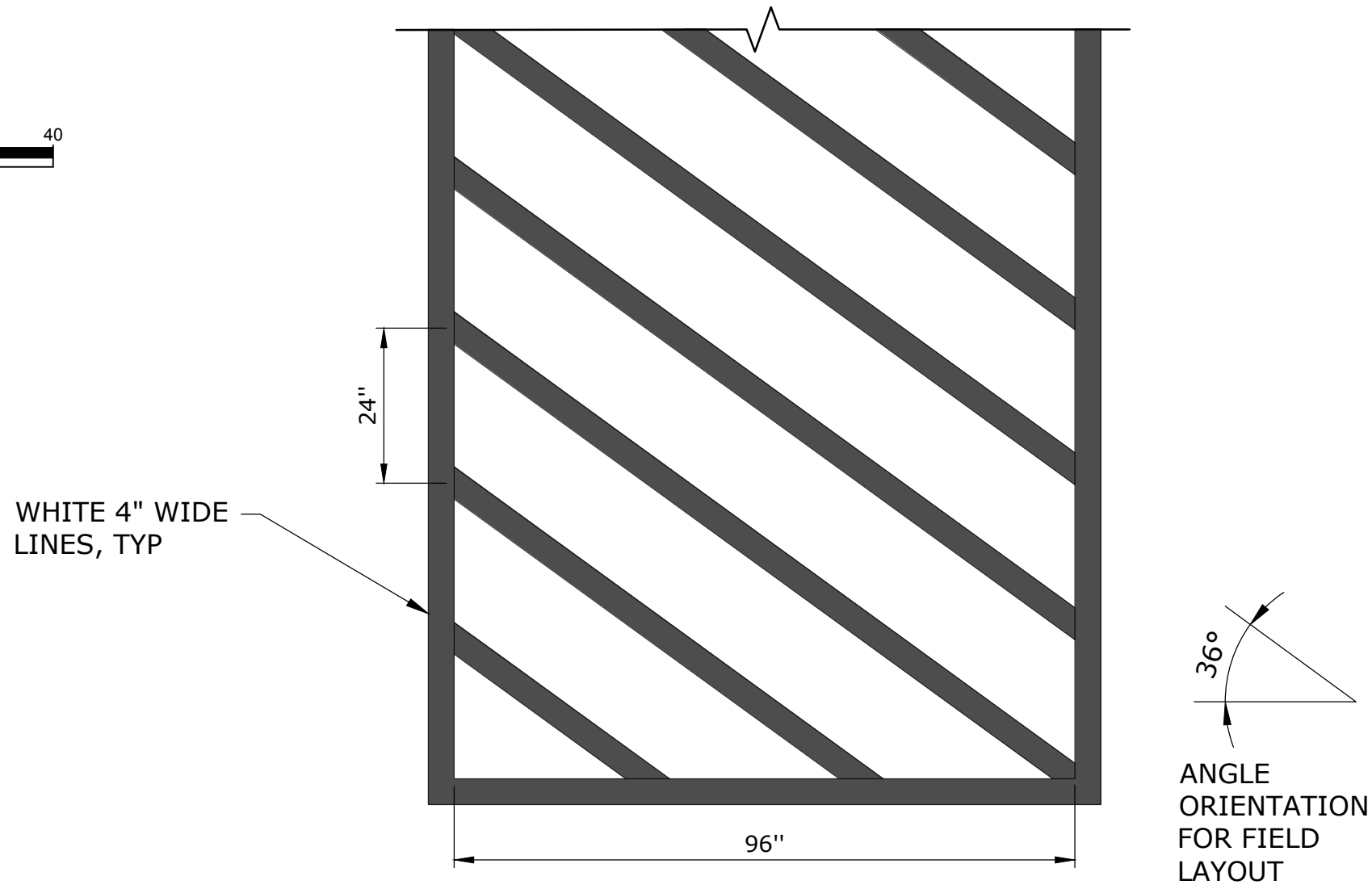
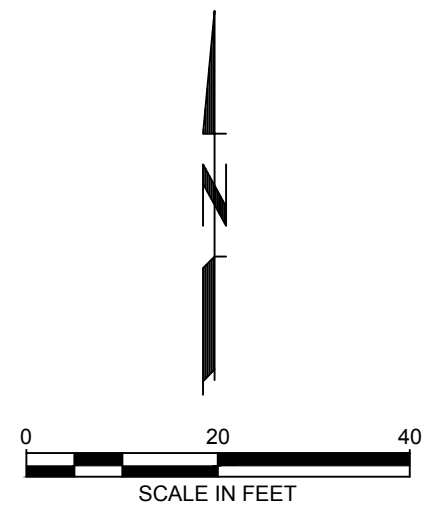
SHEET

C-103

\\EgnyteDrive\Conisor Files_V-W\Projects\OR\South Fork Water\2025\W25326OR.00\12 CADD\12-5 Sheets\SITE PLAN - 2.dwg C-103A 7/29/2026 10:49 AM JUSTIN.DEUEL 24.3s (LMS Tech)



SITE LAYOUT TABLE			
PT NO.	DESCRIPTION	NORTHING	EASTING
①	NW CORNER OF EXIST WATER TREATMENT BUILDING	N629783.57	E7669151.51
②	NE CORNER OF EXIST WATER TREATMENT BUILDING	N629789.50	E7669074.64
③	NE CORNER OF EXIST SHED	N629937.70	E7669142.38
④	SE CORNER OF EXIST SHED	N629919.16	E7669133.90
⑤	SW CORNER OF EXIST SHED	N629935.99	E7669096.75
⑥	NW CORNER OF EXIST SEDIMENTATION BASIN	N629808.09	E7669201.88



PEDESTRIAN CROSSING PAVEMENT MARKINGS

SCALE: 1/2"=1'-0"

1
-

LEGEND

PROPOSED HMAC PAVEMENT, SEE COOC DET 500	
EXIST HMAC PAVEMENT	
PROPOSED CONCRETE	
EXIST CONCRETE	
PROPOSED GRAVEL	

- NOTES:
- REFER TO GRADING PLANS FOR ASPHALT PAVEMENT EXTENTS.
 - INSTALL CURB PER COOC STD DET 511, SHT C-117.
 - INSTALL SIDEWALK PER COOC STD DET 508, SHT C-117.
 - INSTALL PERPENDICULAR CURB RAMP PER ODOT STD DWG RD910, SHT C-125.
 - LOCATE REMOVABLE POSTS 1FT OFF OF THE CORNER OF HVAC EQUIPMENT AND 3 FT OFF OF THE BUILDING WALL.

NO.	DATE	BY	REVISION

NOTICE

0 1/2 1

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

KKS
DESIGNED
MDP
DRAWN
ANB
CHECKED

REGISTERED PROFESSIONAL ENGINEER
86408BE
SEPTEMBER 12, 2019
ADAM N. BLAIR
RENEWS 12-31-27

BID SET

consor
Stantec

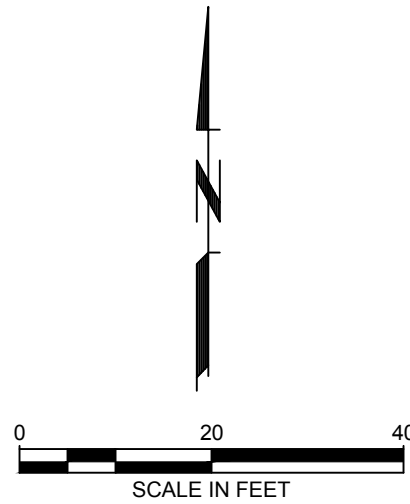
South Fork WATER
PURE WATER SINCE 1915
WATER QUALITY SYSTEMS BUILDING

CIVIL SITE
SITE PLAN - 1
PROJECT NO.: W25326OR SCALE: AS SHOWN DATE: AUGUST 2026

SHEET
C-103A

				NOTICE 01/2 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE		KKS DESIGNED MDP DRAWN ANB CHECKED		REGISTERED PROFESSIONAL ENGINEER 86406PE OREGON SEPTEMBER 12 2024 ADAM N. BLAIR RENEWES 12-31-27		BID SET		consor Stantec		South Fork WATER PURE WATER SINCE 1915 WATER QUALITY SYSTEMS BUILDING		CIVIL SITE SITE PLAN - 2				SHEET C-103B	
NO.	DATE	BY	REVISION											PROJECT NO.: W2533260R		SCALE: AS SHOWN	DATE: AUGUST 2026				

\\EgnyteDrive\Conisor Files_-W\Projects\OR\South Fork Water\2025\W253326OR.00\12 CADD\12-5 Sheets\C-ROAD-GRADING PLAN.dwg C-104 7/29/2026 10:50 AM JUSTIN.DEVEL 24.3s (LMS Tech)

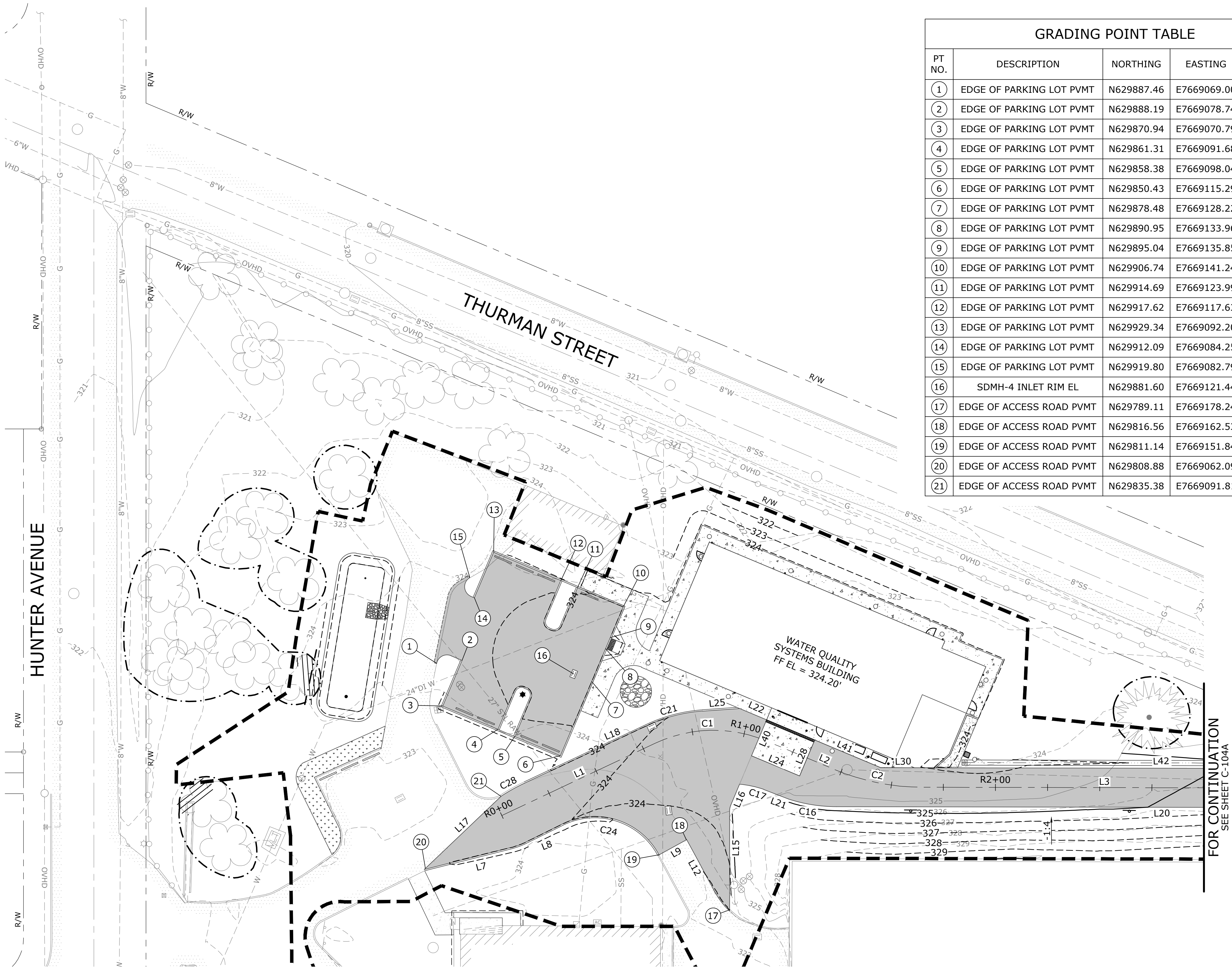


- NOTES:
1. SEE SHEET C-110 FOR ACCESS ROAD PROFILE.
 2. SEE SHEET C-111 FOR LINE AND CURVE TABLES.
 3. SEE SHEET G-005 FOR COOC STANDARD GRADING NOTES.
 4. SEE SHEET TR-101 AND TR-102 FOR TREE PROTECTION NOTES AND REQUIREMENTS.

TOTAL LIMITS OF DISTURBANCE	AREA = 1.252 ACRES
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LEGEND

- LIMITS OF ONSITE DISTURBANCE
- TREE PROTECTION FENCE
- CRITICAL TREE ZONE



GRADING POINT TABLE				
PT NO.	DESCRIPTION	NORTHING	EASTING	ELEVATION
①	EDGE OF PARKING LOT PVMT	N629887.46	E7669069.00	324.32
②	EDGE OF PARKING LOT PVMT	N629888.19	E7669078.74	324.13
③	EDGE OF PARKING LOT PVMT	N629870.94	E7669070.79	324.23
④	EDGE OF PARKING LOT PVMT	N629861.31	E7669091.68	324.11
⑤	EDGE OF PARKING LOT PVMT	N629858.38	E7669098.04	324.13
⑥	EDGE OF PARKING LOT PVMT	N629850.43	E7669115.29	324.23
⑦	EDGE OF PARKING LOT PVMT	N629878.48	E7669128.22	323.62
⑧	EDGE OF PARKING LOT PVMT	N629890.95	E7669133.96	323.75
⑨	EDGE OF PARKING LOT PVMT	N629895.04	E7669135.85	323.80
⑩	EDGE OF PARKING LOT PVMT	N629906.74	E7669141.24	323.92
⑪	EDGE OF PARKING LOT PVMT	N629914.69	E7669123.99	324.02
⑫	EDGE OF PARKING LOT PVMT	N629917.62	E7669117.63	324.05
⑬	EDGE OF PARKING LOT PVMT	N629929.34	E7669092.20	324.19
⑭	EDGE OF PARKING LOT PVMT	N629912.09	E7669084.25	324.10
⑮	EDGE OF PARKING LOT PVMT	N629919.80	E7669082.79	324.26
⑯	SDMH-4 INLET RIM EL	N629881.60	E7669121.44	323.59
⑰	EDGE OF ACCESS ROAD PVMT	N629789.11	E7669178.24	322.82
⑱	EDGE OF ACCESS ROAD PVMT	N629816.56	E7669162.53	323.14
⑲	EDGE OF ACCESS ROAD PVMT	N629811.14	E7669151.84	323.00
⑳	EDGE OF ACCESS ROAD PVMT	N629808.88	E7669062.09	323.41
㉑	EDGE OF ACCESS ROAD PVMT	N629835.38	E7669091.81	323.27

NO.	DATE	BY	REVISION

NOTICE

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

KKS
DESIGNED
MDP
DRAWN
ANB
CHECKED

REGISTERED PROFESSIONAL ENGINEER
OREGON
SEPTEMBER 12, 2011
ADAM N. BLAIR
RENEWS 12-31-27

BID SET

consor
 Stantec

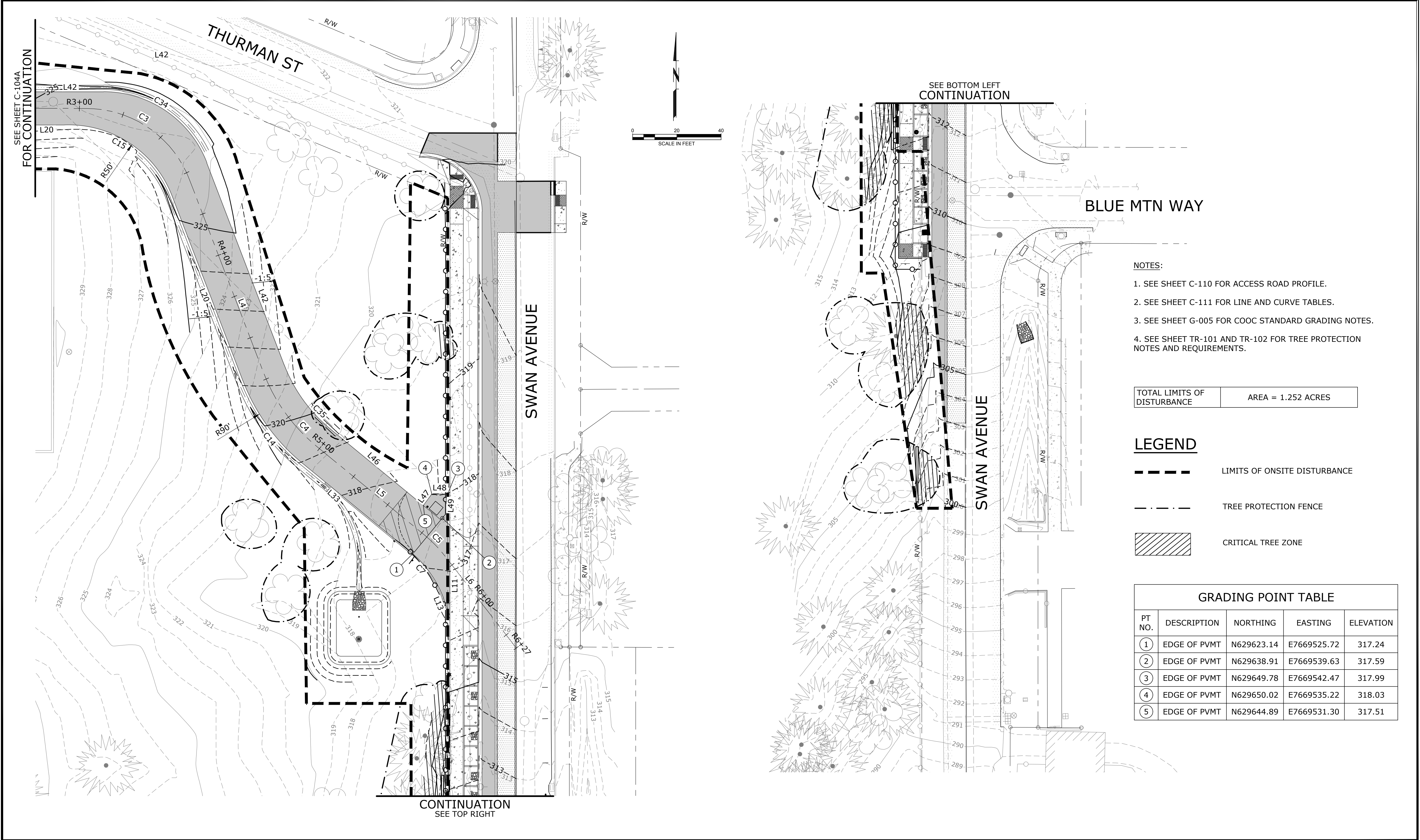
South Fork WATER
PURE WATER SINCE 1915
WATER QUALITY SYSTEMS BUILDING

CIVIL SITE
GRADING PLAN - 1

PROJECT NO.: W253326OR SCALE: AS SHOWN DATE: AUGUST 2026

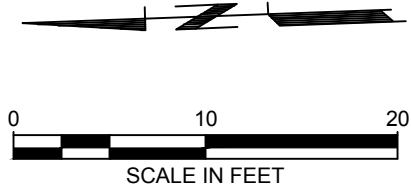
SHEET
C-104

\\EgnyteDrive\Conisor Files\ _V-W\Projects\OR\South Fork Water\2025\W253326OR.00\12 CADD\12-5 Sheets\C-ROAD-GRADING PLAN.dwg C-104A 7/29/2026 10:50 AM JUSTIN.DEUEL 24.3s (LMS Tech)



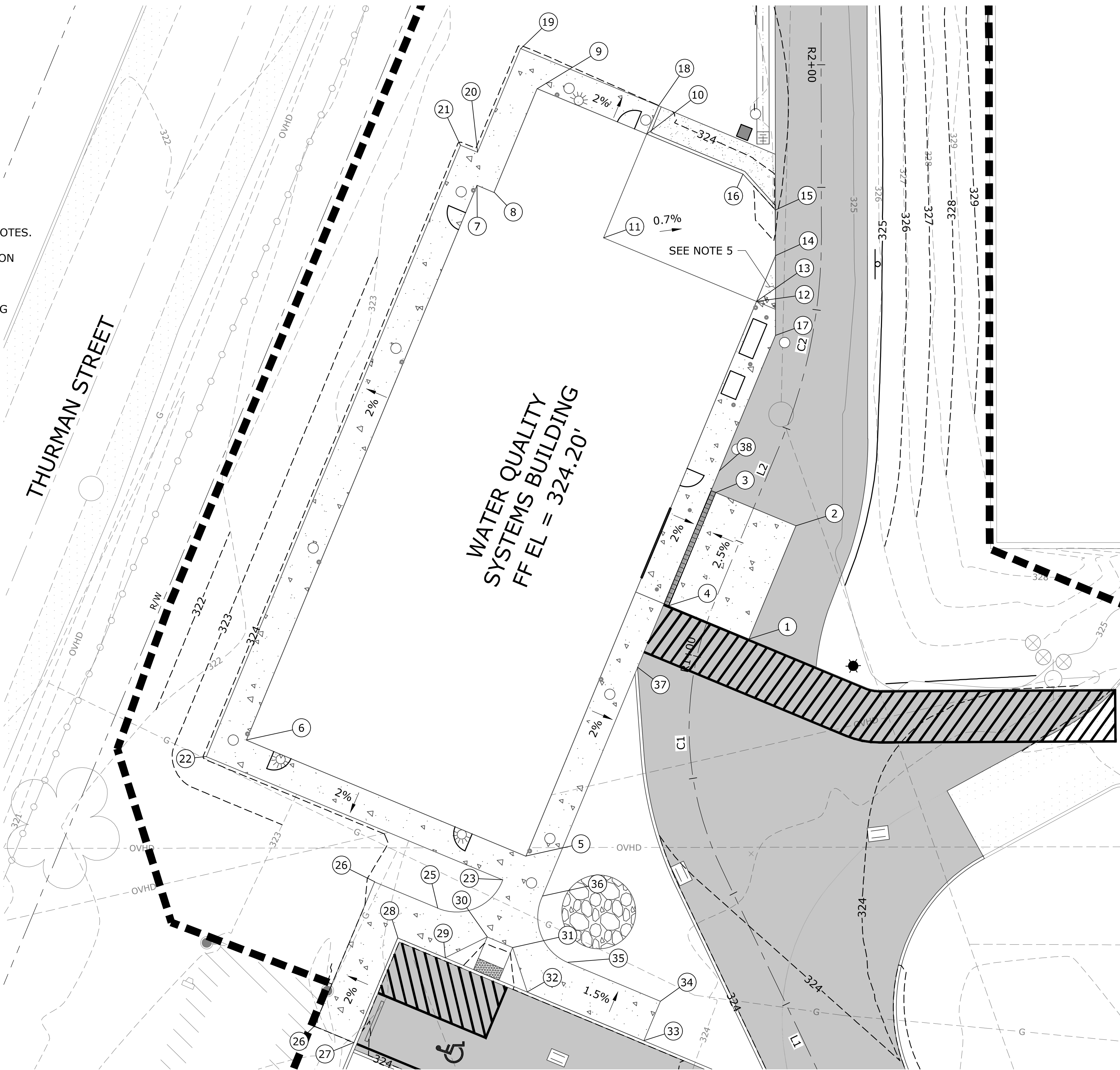
NO. DATE BY REVISION				NOTICE 0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE	KKS DESIGNED MDP DRAWN ANB CHECKED	REGISTERED PROFESSIONAL ENGINEER OREGON SEPTEMBER 12, 2019 ADAM N. BLAIR RENEWS 12-31-27	BID SET	consor Stantec	South Fork WATER PURE WATER SINCE 1915 WATER QUALITY SYSTEMS BUILDING	CIVIL SITE GRADING PLAN - 2 PROJECT NO.: W253326OR SCALE: AS SHOWN DATE: AUGUST 2026	SHEET C-104A
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\\EgnyteDrive\Conisor Files_-W\Projects\OR\South Fork Water\2025\W253326OR.00\12 CADD\12-5 Sheets\C-ROAD-GRADING PLAN.dwg C-104B 7/29/2026 10:50 AM JUSTIN.DEUEL 24.3s (LMS Tech)



NOTES:

- 1. SEE SHEET C-110 FOR ACCESS ROAD PROFILE.
- 2. SEE SHEET C-111 FOR LINE AND CURVE TABLES.
- 3. SEE SHEET G-005 FOR COOC STANDARD GRADING NOTES.
- 4. SEE SHEET TR-101 AND TR-102 FOR TREE PROTECTION NOTES AND REQUIREMENTS.
- 5. CONCRETE SIDEWALK SURFACE ADJACENT TO THE EQUIPMENT PAD SHALL BE GRADED TO MATCH GRADING POINTS 13, 14, AND THE EDGE OF ROAD.



GRADING POINT TABLE

PT NO.	DESCRIPTION	NORTHING	EASTING	ELEVATION
1	EDGE OF CONTAINMENT PAD	N629848.00	E7669188.57	324.48
2	EDGE OF CONTAINMENT PAD	N629839.67	E7669206.75	324.48
3	EDGE OF CONTAINMENT PAD	N629852.54	E7669212.65	324.12
4	EDGE OF CONTAINMENT PAD	N629860.88	E7669194.47	324.12
5	EDGE OF WQSB	N629885.63	E7669154.48	324.20
6	EDGE OF WQSB	N629930.48	E7669175.05	324.20
7	EDGE OF WQSB	N629889.63	E7669264.13	324.20
8	EDGE OF WQSB	N629886.90	E7669262.88	324.20
9	EDGE OF WQSB	N629879.26	E7669279.54	324.20
10	EDGE OF WQSB	N629861.69	E7669271.48	324.11
11	EDGE OF WQSB	N629869.33	E7669254.83	324.20
12	EDGE OF WQSB AT EDGE OF S/W	N629844.79	E7669243.56	324.13
13	EDGE OF EQUIP PAD	N629844.79	E7669243.56	324.05
14	EDGE OF EQUIP PAD	N629841.42	E7669250.90	324.01
15	EDGE OF EQUIP PAD	N629841.17	E7669258.34	323.99
16	EDGE OF EQUIP PAD	N629846.23	E7669264.40	324.02
17	EDGE OF S/W	N629841.87	E7669237.93	324.04
18	EDGE OF S/W	N629859.60	E7669276.03	324.01
19	EDGE OF S/W	N629881.72	E7669286.17	324.10
20	EDGE OF S/W	N629889.36	E7669269.51	324.10
21	EDGE OF S/W	N629892.09	E7669270.76	324.10
22	EDGE OF S/W	N629937.10	E7669172.58	324.10
23	EDGE OF S/W	N629889.53	E7669150.77	324.10
24	EDGE OF S/W	N629900.30	E7669146.53	324.25
25	EDGE OF S/W	N629910.41	E7669151.19	324.26
26	EDGE OF S/W	N629921.08	E7669128.03	324.37
27	EDGE OF S/W	N629914.73	E7669125.10	324.51
28	EDGE OF S/W	N629906.98	E7669141.91	324.42
29	EDGE OF S/W	N629899.37	E7669138.40	324.35
30	EDGE OF S/W	N629892.41	E7669141.54	324.05
31	EDGE OF S/W	N629888.32	E7669139.66	324.05
32	EDGE OF S/W	N629886.20	E7669132.33	324.20
33	EDGE OF S/W	N629867.48	E7669123.70	324.36
34	EDGE OF S/W	N629864.55	E7669130.06	324.46
35	EDGE OF S/W	N629879.41	E7669136.90	324.06
36	EDGE OF S/W	N629883.17	E7669147.85	324.10
37	EDGE OF S/W	N629866.31	E7669184.62	324.10
38	EDGE OF S/W	N629851.86	E7669216.15	324.10

NO.	DATE	BY	REVISION

NOTICE

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

KKS

DESIGNED

MDP

DRAWN

ANB

CHECKED

REGISTERED PROFESSIONAL ENGINEER

864088E

OREGON

SEPTEMBER 12, 2015

ADAM N. BLAIR

RENEWS 12-31-27

BID SET

WATER QUALITY SYSTEMS BUILDING

CIVIL SITE

WQSB GRADING ENLARGEMENT PLAN

PROJECT NO.: W253326OR

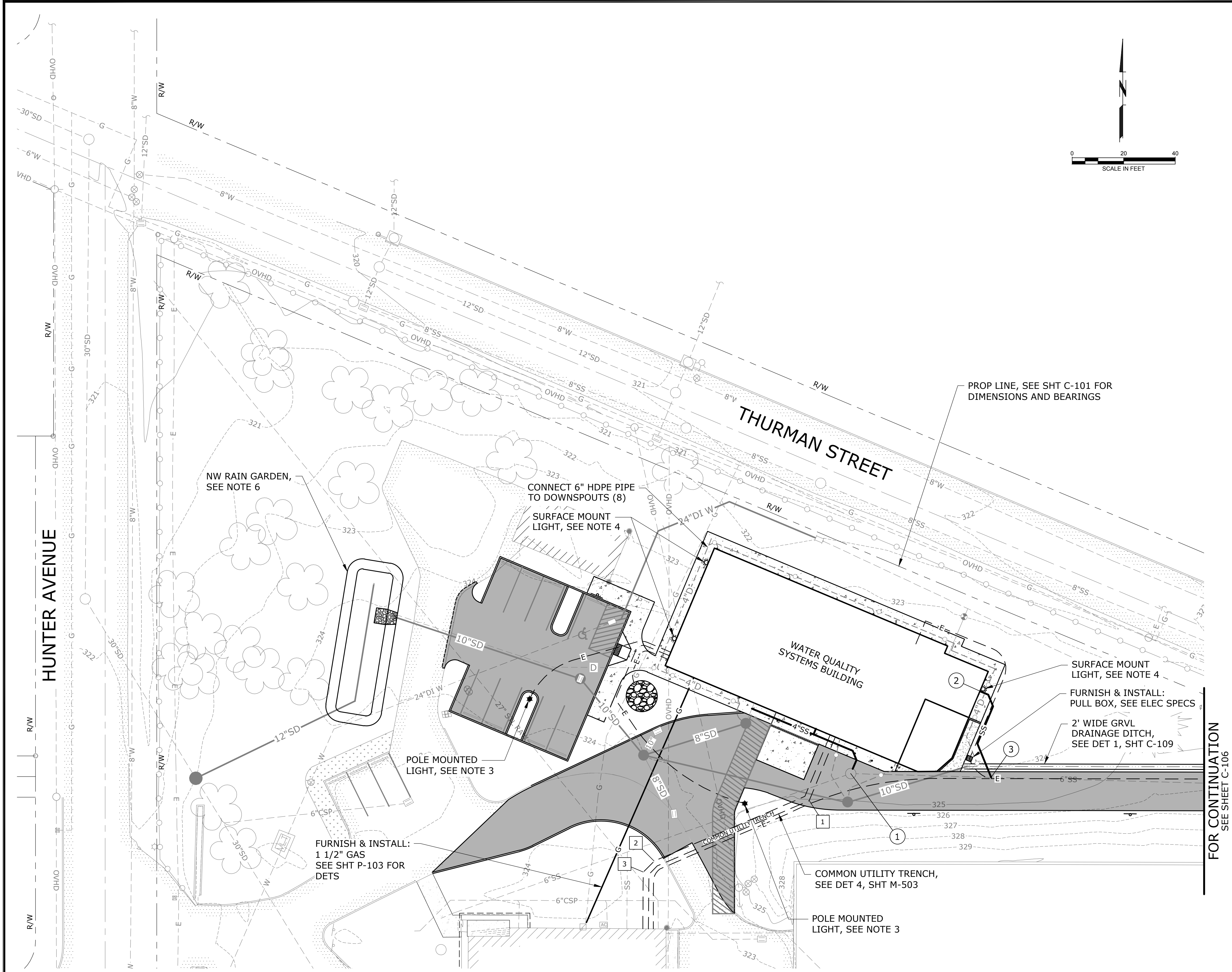
SCALE: AS SHOWN

DATE: AUGUST 2026

SHEET

C-104B

\\EgnyteDrive\Conisor Files_V-W\Projects\OR\South Fork Water\2025\W253326OR.00\12 CADD\12-5 Sheets\COMPOSITE UTILITY PLAN - 2.dwg C-105 7/29/2026 10:51 AM JUSTIN.DEUEL 24.3s (LMS Tech)



SEWER SCHEDULE

- 1

N629841.46
E7669225.00
EXIST 24" SS MH
RIM=324.7
EXIST 6" SS IE IN (W)=319.5
EXIST 6" SS IE OUT (E)=319.4
PROP 4" SS IE IN (N)=319.51
SEE SHT P-102 FOR CONN DETS AT BLDG
INSTALL MH RIM ADJUSTMENT RING AS
NEEDED TO MATCH FG
- 2

SEE SHT P-102 FOR CONN DETS AT BLDG
- 3

FURNISH & INSTALL:
1-3" PVC WYE
CONN TO EXIST 6" SS
SEE NOTE 9

COMMON UTILITY TRENCH SCHEDULE

- 1

45° BEND IN COMMON
UTILITY TRENCH, SEE
NOTE 1
- 2

22.5° BEND IN COMMON
UTILITY TRENCH, SEE
NOTE 1
- 3

45° BEND IN COMMON
UTILITY TRENCH, SEE
NOTE 1

COMMON UTILITY TRENCH NOTES:

1. CONTRACTOR TO PROVIDE HORIZONTAL AND VERTICAL FITTINGS FOR ALL UTILITIES WITHIN THE COMMON TRENCH AS REQ'D TO CONNECT EXISTING BLDG WITH PENETRATIONS AS SHOWN IN WQSB. TOTAL BENDS SHALL NOT EXCEED 180 DEGREES.
2. MAINTAIN 6" VERTICAL SEPARATION FROM EXISTING/PROPOSED UTILITIES. SEE SHEET C-109A FOR THE 10" SD PROFILE.
3. COMMON UTILITY TRENCH SPACERS SHALL BE INSTALLED EVERY 8'.

NOTES:

1. CONTRACTOR SHALL POTHOLE AND VERIFY LOCATIONS, SIZES, AND DEPTHS OF EXISTING UTILITIES, NOTIFY ENGINEERS OF POTENTIAL CONFLICTS 72 HOURS PRIOR TO ANY WORK.
2. CONTRACTOR SHALL CONDUCT INITIAL EXCAVATION ON EXISTING STORM AND SANITARY SEWER TO VERIFY DEPTH AND LOCATION. PROVIDE INFORMATION TO ENGINEER FOR USE IN DETERMINING MANHOLE CONFIGURATION.
3. POLE MOUNTED LED LUMINAIRE, LITHONIA KAD LED SERIES, 9268 LUMENS, 4000K TEMPERATURE, MULTI-VOLT DRIVER. MOUNTED ON 20' TALL SQUARE NON TAPERED ALUMINUM POLE.
4. SURFACE MOUNTED LED LUMINAIRE, LITHONIA FEM4-3L, 120VAC, 3000 LUMENS 2700K TEMPERATURE, UL LISTED FOR WET LOCATIONS. FIBERGLASS HOUSING W/ CLOSED CELL GASKET, STAINLESS STEEL LATCHES, AND POLYCARBONATE LENS.
5. ALL TRENCH BACKFILL SHALL BE CLASS B UNLESS OTHERWISE NOTED. SEE COOC STD DWG OC 313.
6. SEE SHEET C-107-108B FOR STORMWATER PLANS.
7. RELOCATE IRRIGATION CONTROL VALVE AND METERS IN THE FIELD PER OWNER DIRECTION. RELOCATION TO INCLUDE REQUIRED IRRIGATION PIPING.
8. CONTRACTOR TO PROTECT OVERHEAD LINES DURING CONTSRUTCTION.
9. CONTRACTOR TO PROVIDE HORIZONTAL AND VERTICAL FITTINGS AS REQ'D TO CONNECT SANITARY SEWER SERVICE TO THE EXISTING 6-INCH SEWER.

NO.	DATE	BY	REVISION

NOTICE

0

1/2

1

IF THIS BAR DOES
NOT MEASURE 1"
THEN DRAWING IS
NOT TO SCALE

KKS
DESIGNED

JLC
DRAWN

ANB
CHECKED

REGISTERED PROFESSIONAL
ENGINEER
OREGON
SEPTEMBER 12, 2010
ADAM N. BLAIR
RENEWS 12-31-27

BID SET

WATER QUALITY SYSTEMS BUILDING

CIVIL SITE

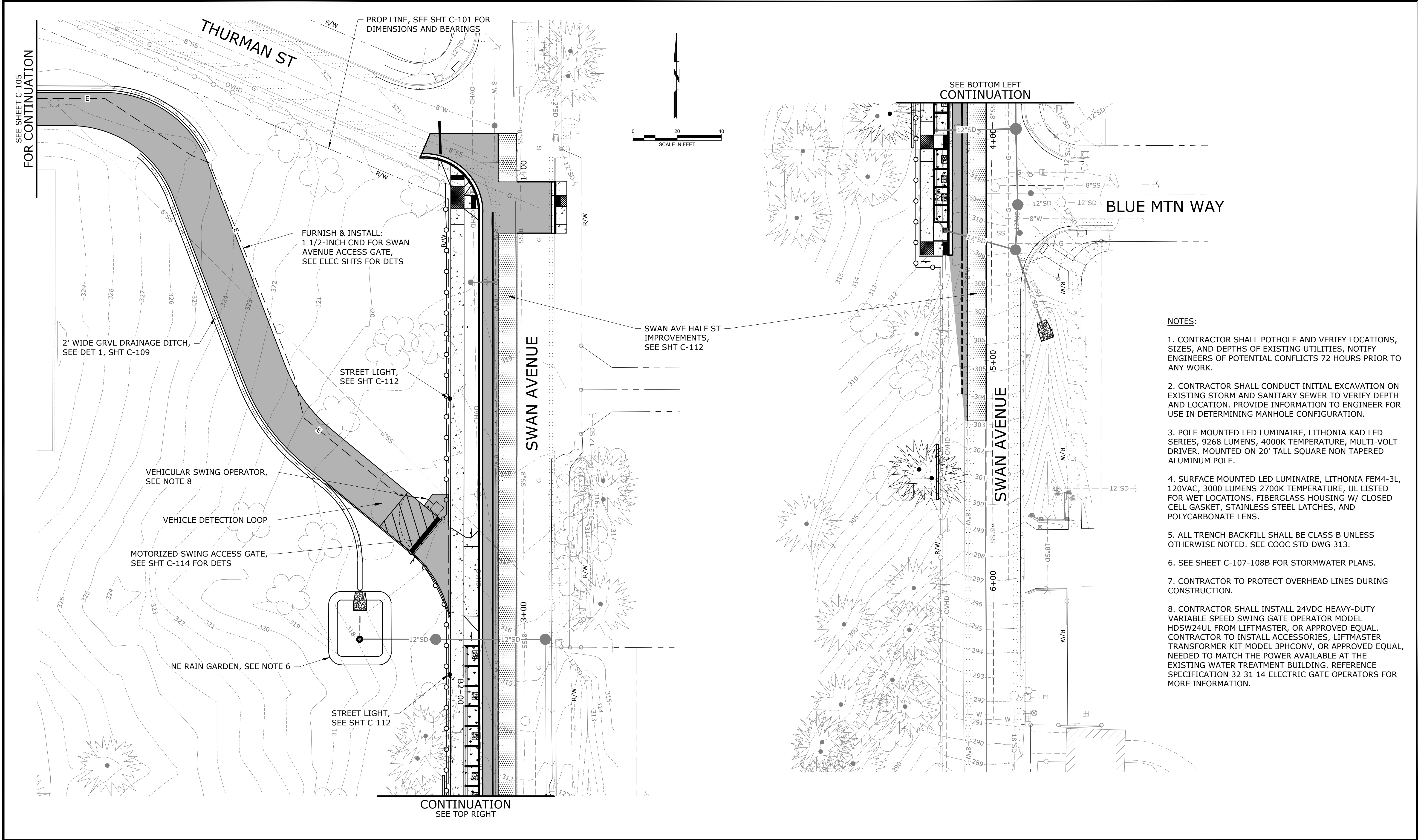
COMPOSITE UTILITY PLAN - 1

PROJECT NO.: W253326OR SCALE: AS SHOWN DATE: AUGUST 2026

SHEET

C-105

\\EgnyteDrive\Conisor Files\ _V-W\Projects\OR\South Fork Water\2025\W253326OR.00\12 CADD\12-5 Sheets\COMPOSITE UTILITY PLAN - 2.dwg C-106 7/29/2026 10:51 AM JUSTIN.DEUEL 24.3s (LMS Tech)



NO.	DATE	BY	REVISION

NOTICE

0 1/2 1

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

KKS
DESIGNED
JLC
DRAWN
ANB
CHECKED

REGISTERED PROFESSIONAL
ENGINEER
86408BE
OREGON
SEPTEMBER 12, 2010
ADAM N. BLAIR
RENEWS 12-31-27

BID SET

South Fork WATER
PURE WATER SINCE 1915
WATER QUALITY SYSTEMS BUILDING

CIVIL SITE

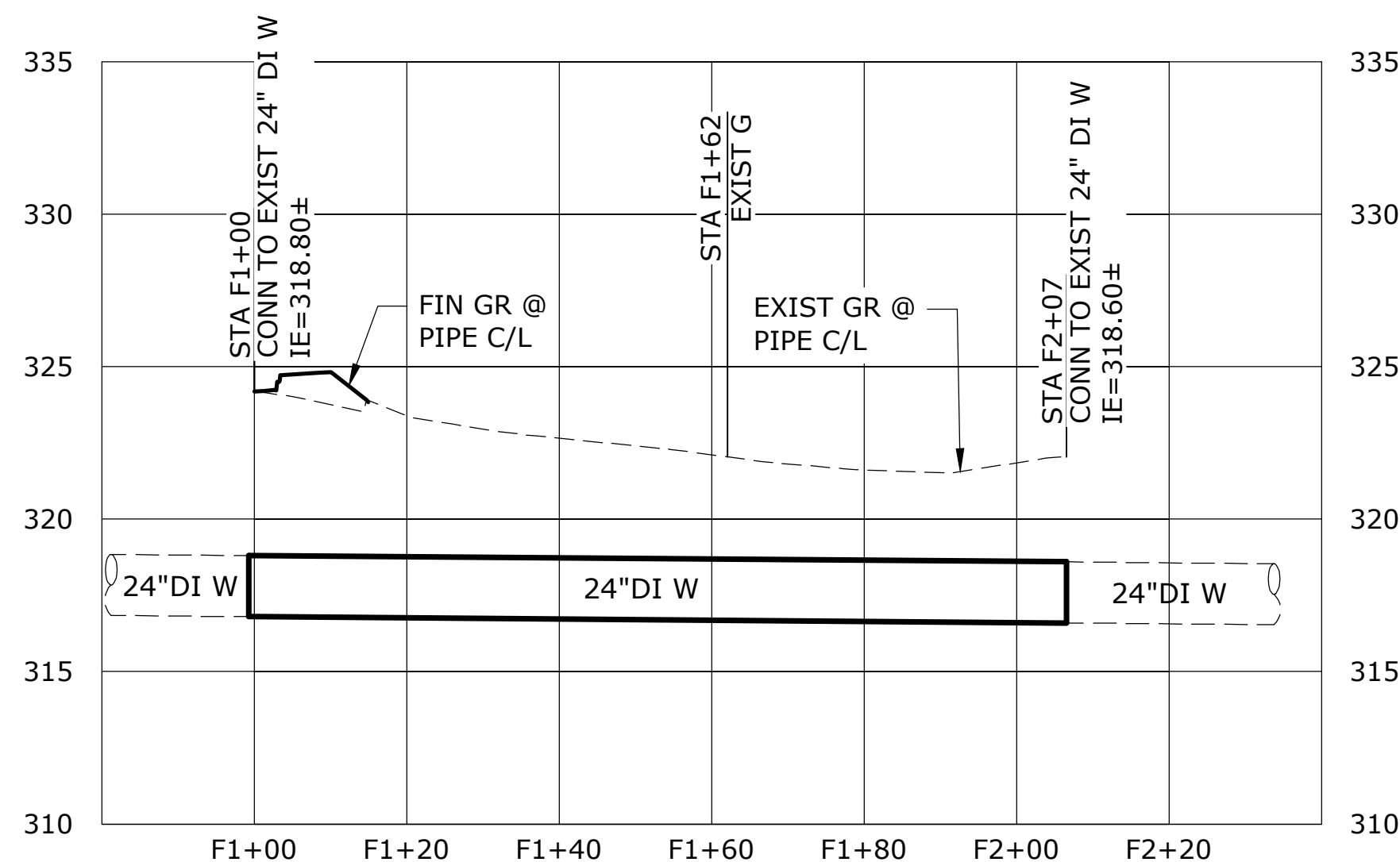
COMPOSITE UTILITY PLAN - 2

PROJECT NO.: W253326OR SCALE: AS SHOWN DATE: AUGUST 2026

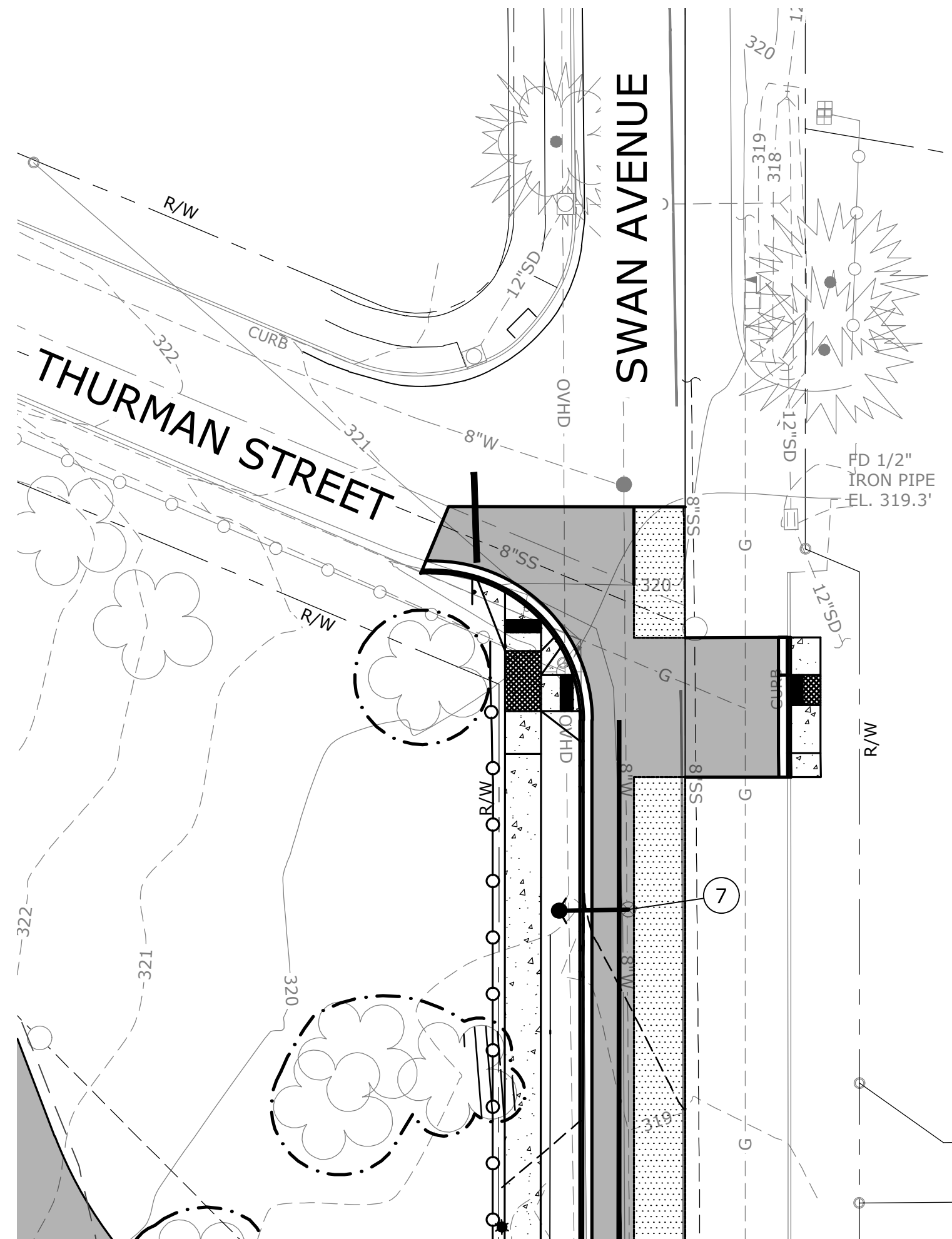
SHEET

C-106

SCALE: 1"=20'



SCALE: 1"=20' HORIZ, 1"=5' VERT



SCALE: 1"=20'

- ① STA F1+00
N629931.95
E7669217.13
FURNISH & INSTALL:
1-24" DI LS, MJ
1-24" DI 45° HORIZ BEND, MJ
- ② STA F1+39
N629948.29
E7669181.41
FURNISH & INSTALL:
1-24" DI 45° HORIZ BEND, MJ
- ③ STA F1+69
N629937.89
E7669153.47
FURNISH & INSTALL:
1-24" DI 45° HORIZ BEND, MJ
- ④ STA F2+06
N629904.50
E7669138.20
FURNISH & INSTALL:
1-24" DI LS, MJ

5 N629944.74
E7669177.63
FURNISH & INSTALL:
1-6" TAPPING SLV, FLG
1-6" GV, FLGXMJ
20 LF - 6" DI PIPE, SEE NOTE 5

6 CONNECT TO MECHANICAL ROOM
PUMP PIPING, SEE DET 1, SHT M-109

7 N629745.19
E7669567.15
REMOVE EXIST FH
FURNISH & INSTALL:
FH ASSY, LOCATE FH IN
PLANTER STRIP
SEE COOC STD DWG NO. 401, SHT C-115

NO.	DATE	BY	REVISION

IF THIS BAR DOES
NOT MEASURE 1"
THEN DRAWING IS
NOT TO SCALE

KKS
DESIGNED
JLC
DRAWN
ANB
CHECKED

**BID SET**

WATER QUALITY SYSTEMS BUILDING

CIVIL SITE

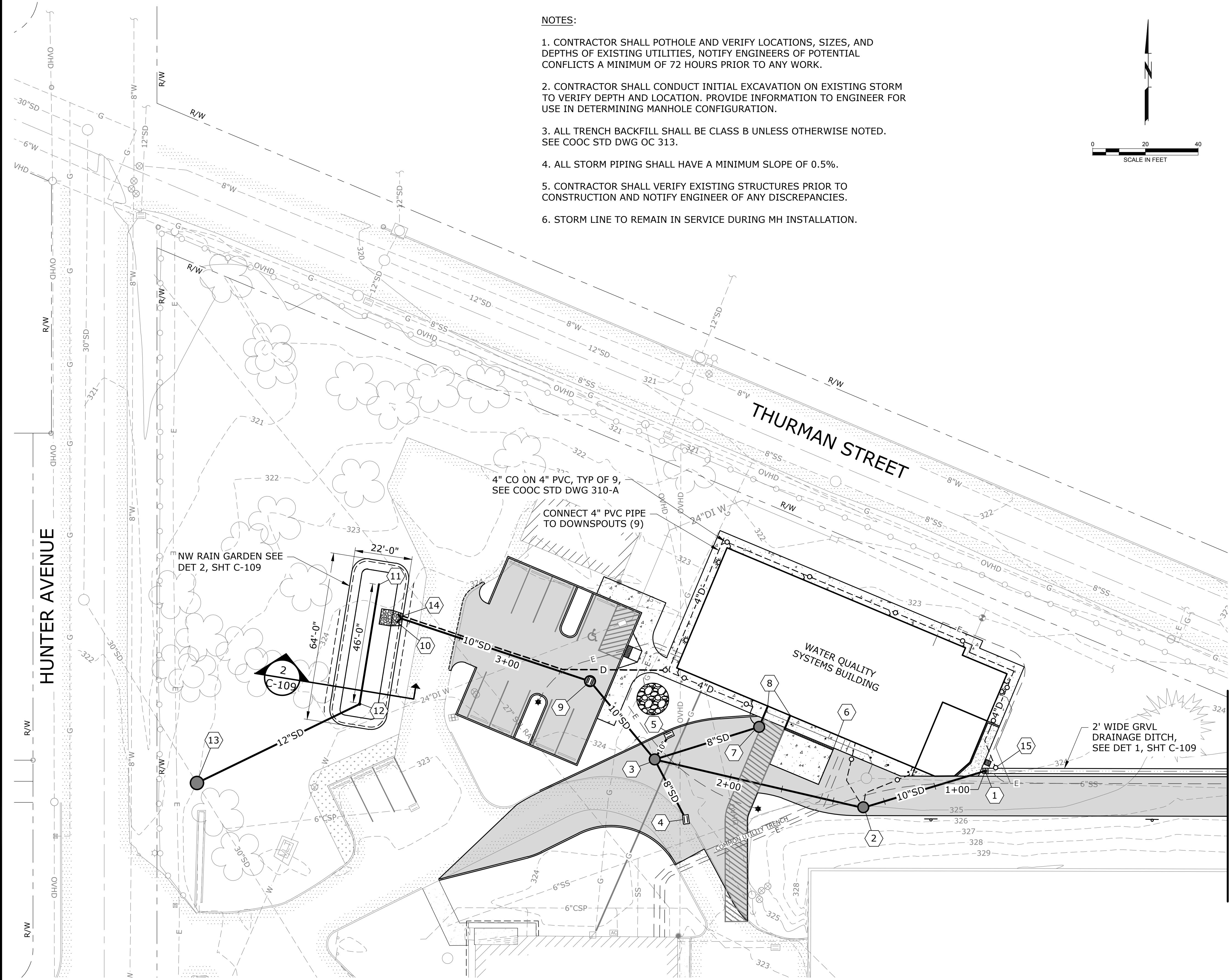
WATER PIPING PLAN

PROJECT NO.: W253326OR	SCALE: AS SHOWN	DATE: AUGUST 2026
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SHEET

C-106A

\\EgnyteDrive\Conisor Files_-V-W\Projects\OR\South Fork Water\2025\W253326OR.00\12 CADD\12-5 Sheets\WATER PIPING PLAN.dwg C-107 7/29/2026 10:51 AM JUSTIN.DEUEL 24.3s (LMS Tech)



NOTES:

1. CONTRACTOR SHALL POT HOLE AND VERIFY LOCATIONS, SIZES, AND DEPTHS OF EXISTING UTILITIES, NOTIFY ENGINEERS OF POTENTIAL CONFLICTS A MINIMUM OF 72 HOURS PRIOR TO ANY WORK.
2. CONTRACTOR SHALL CONDUCT INITIAL EXCAVATION ON EXISTING STORM TO VERIFY DEPTH AND LOCATION. PROVIDE INFORMATION TO ENGINEER FOR USE IN DETERMINING MANHOLE CONFIGURATION.
3. ALL TRENCH BACKFILL SHALL BE CLASS B UNLESS OTHERWISE NOTED. SEE COOC STD DWG OC 313.
4. ALL STORM PIPING SHALL HAVE A MINIMUM SLOPE OF 0.5%.
5. CONTRACTOR SHALL VERIFY EXISTING STRUCTURES PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
6. STORM LINE TO REMAIN IN SERVICE DURING MH INSTALLATION.

DRAIN/STORMWATER SCHEDULE

- | | |
|---|--|
| 1 STA SD1+00
N629842.75
E7669270.18
FURNISH & INSTALL:
1-DITCH INLET
RIM=324.10'
10" IE OUT (W)=323.10
SEE SD ALIGNMENT SHT C-109A
AND COOC, STD DWG 611-2 | 7 N629862.24
E7669185.04
FURNISH & INSTALL:
1-48" DIA SDMH 3
RIM=323.95'
8" IE IN(NE)=322.86
4" IE IN(NW)=322.78
8" IE OUT(SW)=322.76
8" IE OUT(N)=322.76 |
| 2 STA SD1+48
N629830.41
E7669223.44
FURNISH & INSTALL:
1-48" DIA SDMH 1
RIM=324.67'
10" IE IN(E)=322.86
4" IE IN(NE)=322.97
4" IE IN(N)=322.97
10" IE OUT(NW)=322.86
SEE SD ALIGNMENT SHT C-109A | 8 CONNECT TO BLDG CHEMICAL
CONTAINMENT SUMP W/ 8" PVC,
SEE MECH SHTS |
| 3 STA SD2+29
N629851.09
E7669144.97
FURNISH & INSTALL:
1-72" DIA SDMH 2
RIM=323.74'
10" IE IN (N)=322.55
8" IE IN(NE)=322.55
8" IE IN(SE)=322.55
10" IE IN(E)=322.45
10" IE OUT(NW)=322.45
SEE SD ALIGNMENT SHT C-109A | 9 STA SD2+68
N629881.48
E7669121.40
1-48" DIA SDMH 4
RIM=323.95'
10" IE IN(SE)=322.76
10" IE OUT(NW)=322.76
MH LID TO BE B&H FOUNDRY,
MODEL 300-24 OR APPVD EQ
SEE SD ALIGNMENT SHT C-109A |
| 4 N629828.08
E7669156.14
FURNISH & INSTALL:
1-TYPE 3 CB
RIM=323.54'
10" IE OUT(NW)=322.67
SEE COOC STD DWG 610 | 10 STA SD3+40
N629887.97
E7669024
FURNISH & INSTALL:
1-RIP RAP OUTFALL
10" IE OUT=322.00
CLASS 50 RIP RAP,
SEE SD ALIGNMENT SHT C-109A
AND COOC STD DET 632, C-124 |
| 5 N629860.53
E7669144.97
FURNISH & INSTALL:
1-TYPE 3 CB
RIM=323.69'
10" IE OUT(E)=322.61
SEE COOC STD DWG 610 | 11 N629920.95
E7669042.67
FURNISH & INSTALL:
1-6" DIA CO
IE=317.75
SEE COOC STD DWG 627 |
| 6 N626861.26
E7669194.65
FURNISH & INSTALL:
20 LF 12" POLYDRAIN PDX H-20 W/
#502 HIGH INTAKE SLOTTED GRATE
RIM=323.95'
10" IE OUT(N)=322.91
POLYDRAIN BOTTOM TO BE SET AT
0.5% SLOPE TO HIGH POINT. | 12 N629875.81
E7669033.85
1-24" BEEHIVE FLOW CONTROL
STRUCTURE
RIM = 323.00'
IE (IN) 6" (N) = 317.25 W/
REMOVABLE CAP AND 0.60" ORIFICE
IE (OUT) 12" (E) = 317.15
SUMP IE = 315.7
SEE COOC STD DWG 626, SHT C-123 |
| | 13 N629847.78
E7668971.16
FURNISH & INSTALL:
1-60" DIA DOGHOUSE SDMH 5 OVER
EXIST 30" CONC SD W/ CAST IN
PLACE BASE
RIM=323.40'
30" IE IN(SE)=309.20 (EXIST)
12" IE IN(NE)=311.00
30" IE OUT(NW)=309.20 (EXIST)
SEE COOC STD DWGS 608 & 308,
SEE NOTE 6 |
| | 14 FURNISH & INSTALL:
POP-UP EMITTER W/ TURFGUARD ON
END OF DOWNSPOUT DRAIN PIPE IN
RIP RAP PAD. INSTALL EMITTER
PARALLEL TO SLOPE AND
W/ DISCHARGE ORIENTED
TOWARD POND
IE=323.00 |
| | 15 FURNISH & INSTALL:
POP-UP EMITTER W/ TURFGUARD ON
END OF DOWNSPOUT DRAIN PIPE AT
EDGE OF DITCH. IE TO MATCH FG
SURFACE AT TOP OF DITCH.
ORIENT DISCHARGE TOWARD
DITCH FLOWLINE |

FOR CONTINUATION
SEE SHEET C-108

NO.	DATE	BY	REVISION

NOTICE

0 1/2 1

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

KKS
DESIGNED
JO
DRAWN
ANB
CHECKED

REGISTERED PROFESSIONAL
ENGINEER
86408BE
OREGON
SEPTEMBER 12, 2013
ADAM N. BLAIR
RENEWS 12-31-27

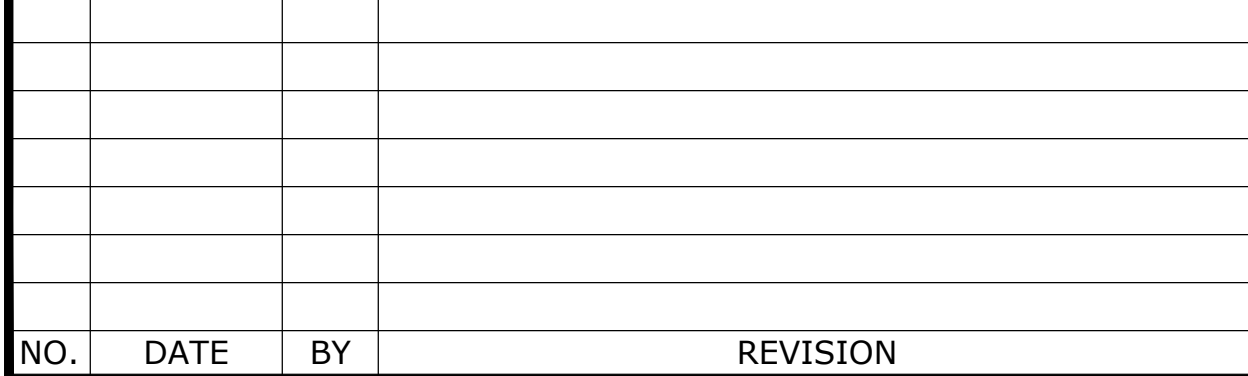
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consor
Stantec

South Fork
WATER
PURE WATER SINCE 1915
WATER QUALITY SYSTEMS BUILDING

CIVIL SITE
PRIVATE STORM PLAN - 1
PROJECT NO.: W253326OR SCALE: AS SHOWN DATE: AUGUST 2026

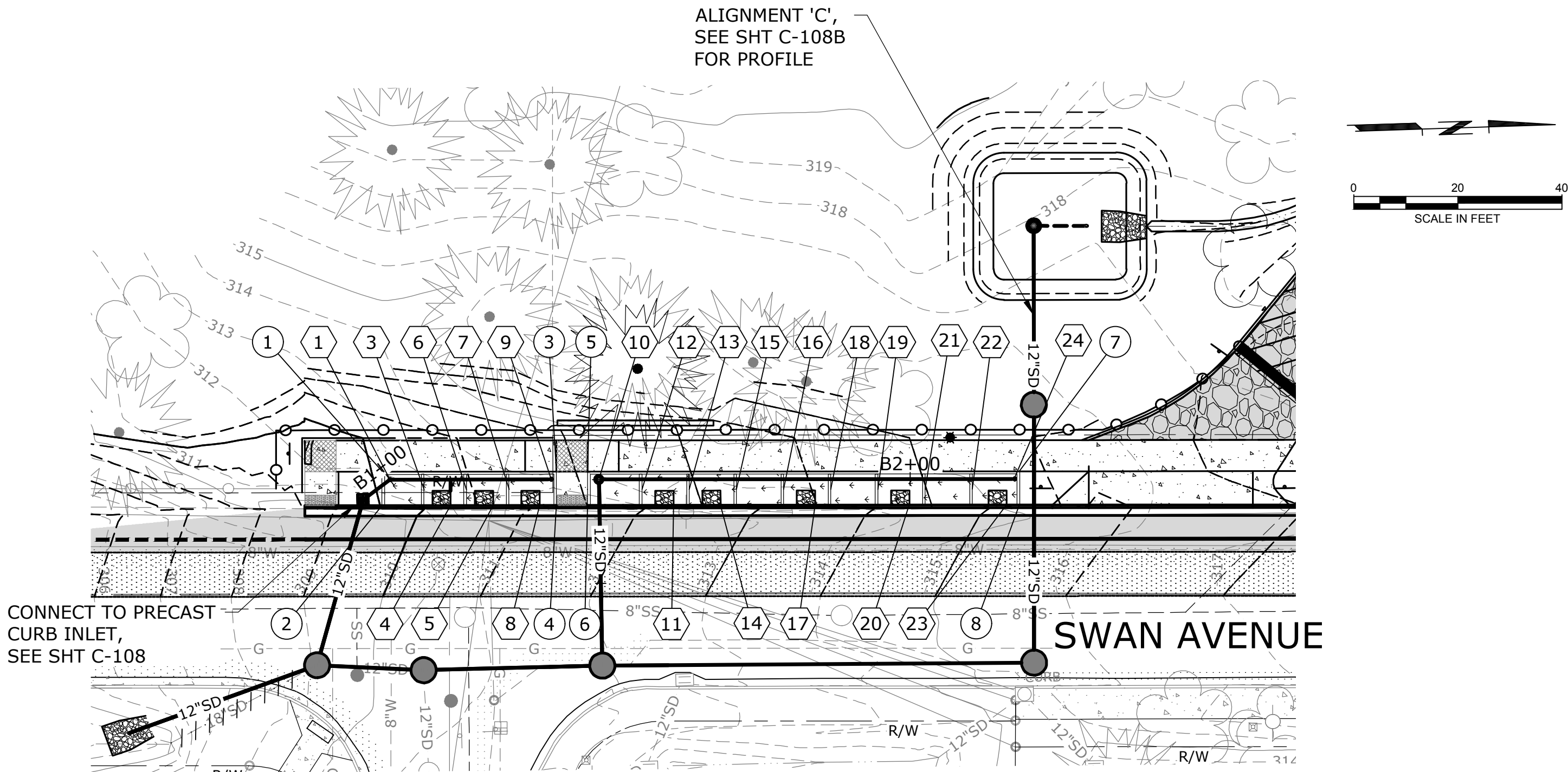
SHEET
C-107



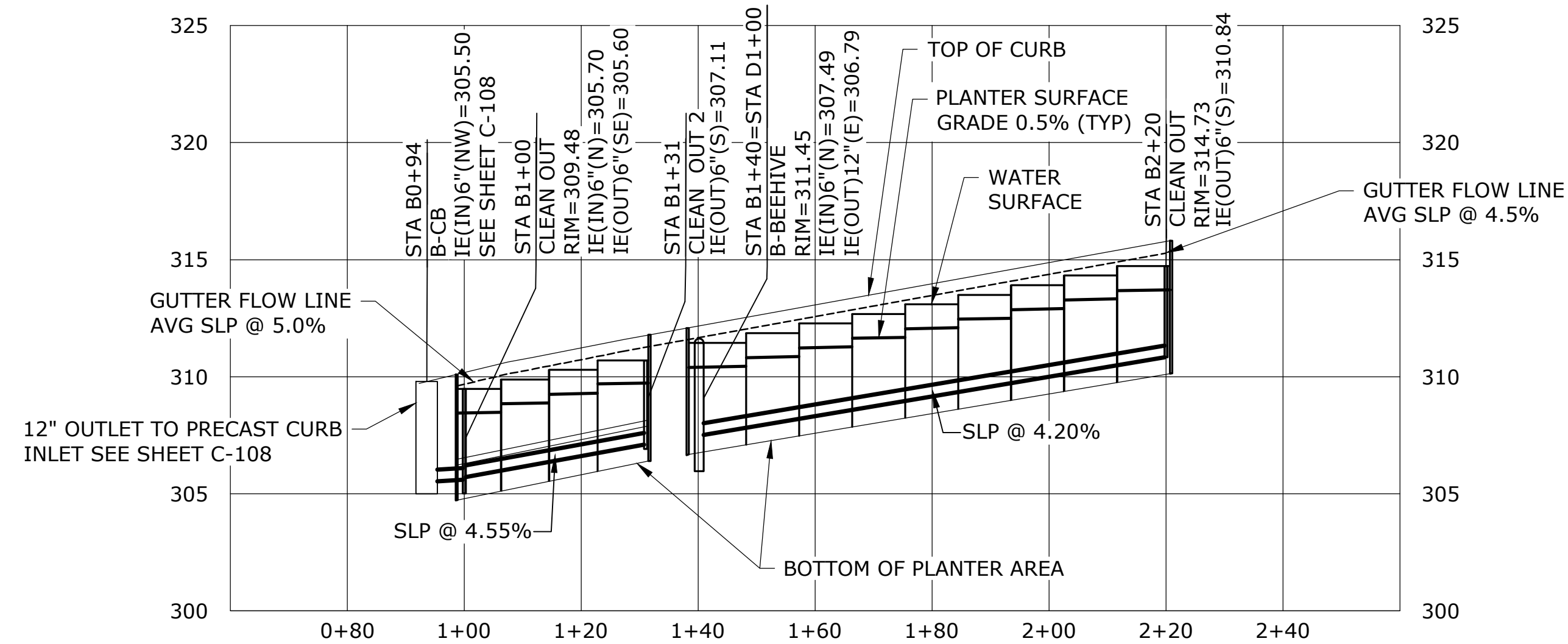
<u>STORM SCHEDULE</u>	
NOT USED	
STA C1+56 N629584.32 E7669534.53 FURNISH & INSTALL PRIVATE MH: 1-48" PRIVATE SDMH 6 SEE C-108B RIM=315.56 IE(IN)12"(W)=309.10 IE(OUT)12"(E)=309.00	7 STA C3+44=STA E1+33 N629445.01 E7669580.03 REMOVE EXISTING MH FURNISH & INSTALL: 1-48" DIA SDMH 9 RIM=315.15 IE(IN)12"(N)=304.50 IE(OUT)12"(SE)=303.90 IE(IN)12"(W)=304.00
STA C2+06 N629582.69 E7669584.11 FURNISH & INSTALL: 1-48" DIA SDMH 7 RIM=315.14 IE(IN)12"(W)=308.50 IE(OUT)12"(S)=308.30	8 NOT USED
STA C2+89=STA D1+36 N629499.82 E7669581.96 FURNISH & INSTALL: 1-48" DIA SDMH 8 RIM=311.96 IE(IN)12"(N)=307.70 IE(IN)12"(W)=306.59 IE(OUT)12"(S)=306.49	9 STA C3+85 CONNECT TO EXISTING DITCH FURNISH & INSTALL: RIP RAP OUTFALL IE=303.50 CLASS 50 RIP RAP SEE SHT C-124 COOC STD DET 632, SEE C-124
STA C3+23 N629465.30 E7669581.48 REMOVE EXIST MH 48" DIA SDMH 11 RIM=310.63 IE(IN)12"(N)=305.00 EX IE(IN)12"(E)=307.00 IE(OUT)12"(S)=304.70	10 NOT USED
STA B0+94=STA E1+00 N629454.94 E7669548.46 FURNISH & INSTALL: PRECAST CURB INLET GUTTER EL=309.30 REMOVABLE CAP AND 0.20" ORIFICE IE(IN)6"(NW)=305.50 IE(OUT)12"(E)=305.40	11 N629601.55 E7669500.89 FURNISH & INSTALL: 1-RIP RAP OUTFALL IE(OUT)12"(S)=316.46 CLASS 50 RIP RAP, SEE COOC STD DET 632, C-124
	12 N629595.71 E7669500.51 FURNISH & INSTALL: 1-6" DIA CO RIM=315.70 IE(OUT)12"(E)=312.25
	13 N629585.46 E7669500.12 1-24" BEEHIVE FLOW CONTROL STRUCTURE RIM = 316.00 IE (IN) 6" (N) = 312.13 W/ REMOVABLE CAP AND 0.50" ORIFICE IE (OUT) 12" (E) = 312.03 SUMP IE = 310.53 SEE COOC STD DET 626, SHT C-123
	14 1-18" BEEHIVE FLOW CONTROL STRUCTURE OF SOUTH PLANTER, SEE CALLOUT 10 SHT C-108A

CIVIL SITE STORM PLAN - 2				SHEET C-108	
PROJECT NO.: W253326OR		SCALE: AS SHOWN		DATE: AUGUST 2026	

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STORMWATER PLANTER PLAN
SCALE: 1"=20'



STORMWATER PLANTER PROFILE, ALIGN B
SCALE: 1"=20' HORIZ, 1"=5' VERT

STORMWATER PLANTER SCHEDULE

- | | |
|---|--|
| ① STA B1+00
N629459.71
E7669544.77
FURNISH & INSTALL:
STORM 2-WAY CLEANOUT
STRUCTURE CONNECT TO PRECAST
CURB INLET
SEE SHT C-108 | ⑬ STA B1+57
FURNISH & INSTALL:
CHECK DAM
RIM=312.23
UP STREAM SOIL EL=311.23
DN STREAM SOIL EL=310.86 |
| ② NOT USED | ⑭ STA B1+63, 3.5' R
FURNISH & INSTALL:
SCUPPER AND SEDIMENT BASIN
GUTTER EL=312.72 |
| ③ STA B1+06
FURNISH & INSTALL:
CHECK DAM
RIM=309.88
GUTTER EL=310.33
UP STREAM SOIL EL=308.84
DN STREAM SOIL EL=308.48 | ⑮ STA B1+66
FURNISH & INSTALL:
CHECK DAM
RIM=312.64
UP STREAM SOIL EL=311.64
DN STREAM SOIL EL=311.27 |
| ④ STA B1+12, 3.5' R
FURNISH & INSTALL:
SCUPPER AND SEDIMENT BASIN
GUTTER EL=310.31 | ⑯ STA B1+75
FURNISH & INSTALL:
CHECK DAM
RIM=313.04
UP STREAM SOIL EL=312.05
DN STREAM SOIL EL=311.68 |
| ⑤ STA B1+20, 3.5' R
FURNISH & INSTALL:
SCUPPER AND SEDIMENT BASIN
GUTTER EL=310.72 | ⑰ STA B1+82, 3.5' R
FURNISH & INSTALL:
SCUPPER AND SEDIMENT BASIN
GUTTER EL=313.55 |
| ⑥ STA B1+14
FURNISH & INSTALL:
CHECK DAM
RIM=310.29
UP STREAM SOIL EL=309.25
DN STREAM SOIL EL=308.88 | ⑱ STA B1+93
FURNISH & INSTALL:
CHECK DAM
RIM=313.86
UP STREAM SOIL EL=312.87
DN STREAM SOIL EL=312.50 |
| ⑦ STA B1+23
FURNISH & INSTALL:
CHECK DAM
RIM=310.70
UP STREAM SOIL EL=309.70
DN STREAM SOIL EL=309.29 | ⑳ STA B1+99, 3.5' R
FURNISH & INSTALL:
SCUPPER AND SEDIMENT BASIN
GUTTER EL=314.35 |
| ⑧ STA B1+29, 3.5' R
FURNISH & INSTALL:
SCUPPER AND SEDIMENT BASIN
GUTTER EL=311.16 | ㉑ STA B2+02
FURNISH & INSTALL:
CHECK DAM
RIM=314.27
UP STREAM SOIL EL=313.28
DN STREAM SOIL EL=312.92 |
| ⑨ STA B1+31
N629491.16
E7669545.79
FURNISH & INSTALL:
STORM 1-WAY CLEANOUT | ㉒ STA B2+11
FURNISH & INSTALL:
CHECK DAM
RIM=314.67
UP STREAM SOIL EL=313.67
DN STREAM SOIL EL=313.32 |
| ⑩ STA B1+40=STA D1+00
N629499.64
E7669546.07
FURNISH & INSTALL:
18" BEEHIVE OVERFLOW
STRUCTURE
REMOVABLE CAP AND 0.40"
ORIFICE
CONNECT TO 48" DIA SDMH 8 SEE
SHT C-108 | ㉓ STA B2+18, 3.5' R
FURNISH & INSTALL:
SCUPPER AND SEDIMENT BASIN
GUTTER EL=315.11 |
| ⑪ STA B1+54, 3.5' R
FURNISH & INSTALL:
SCUPPER AND SEDIMENT BASIN
GUTTER EL=312.32 | ㉔ STA B2+26
N629579.65
E7669548.65
FURNISH & INSTALL:
STORM 1-WAY CLEANOUT |
| ⑫ STA B1+48
FURNISH & INSTALL:
CHECK DAM
RIM=311.82
UP STREAM SOIL EL=310.82
DN STREAM SOIL EL=310.45 | |

CORNERS OF STORM PLANTER

- | | |
|---|---|
| ① N629458.73
E7669543.23
FURNISH & INSTALL:
SW CORNER OF PLANTER
TOP OF PLANTER WALL=310.42 | ⑤ N629498.21
E7669544.52
FURNISH & INSTALL:
SW CORNER OF PLANTER
TOP OF PLANTER WALL=312.51 |
| ② N629458.52
E7669549.71
FURNISH & INSTALL:
SE CORNER OF PLANTER
TOP OF PLANTER WALL=310.09 | ⑥ N629498.00
E7669551.02
FURNISH & INSTALL:
SE CORNER OF PLANTER
TOP OF PLANTER WALL=312.07 |
| ③ N629492.21
E7669544.32
FURNISH & INSTALL:
NW CORNER OF PLANTER
TOP OF PLANTER WALL=312.42 | ⑦ N629581.16
E7669547.23
FURNISH & INSTALL:
NW CORNER OF PLANTER
TOP OF PLANTER WALL=316.16 |
| ④ N629492.00
E7669550.82
FURNISH & INSTALL:
NE CORNER OF PLANTER
TOP OF PLANTER=311.82 | ⑧ N629580.95
E7669553.72
FURNISH & INSTALL:
NE CORNER OF PLANTER
TOP OF PLANTER WALL=315.83 |

NOTES:

- CONTRACTOR SHALL POTHOLE AND VERIFY LOCATIONS, SIZES, AND DEPTHS OF EXISTING UTILITIES, NOTIFY ENGINEERS OF POTENTIAL CONFLICTS A MINIMUM OF 72 HOURS PRIOR TO ANY WORK.
- CONTRACTOR SHALL CONDUCT INITIAL EXCAVATION ON EXISTING STORM TO VERIFY DEPTH AND LOCATION. PROVIDE INFORMATION TO ENGINEER FOR USE IN DETERMINING MANHOLE CONFIGURATION.
- ALL TRENCH BACKFILL SHALL BE CLASS B UNLESS OTHERWISE NOTED. SEE COOC STD DWG OC 313.
- ALL STORM PIPING SHALL HAVE A MINIMUM SLOPE OF 0.5%.
- CONTRACTOR SHALL VERIFY EXISTING STRUCTURES PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

NO.	DATE	BY	REVISION

NOTICE

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IF THIS BAR DOES
NOT MEASURE 1"
THEN DRAWING IS
NOT TO SCALE

KKS
DESIGNED
JO
DRAWN
ANB
CHECKED



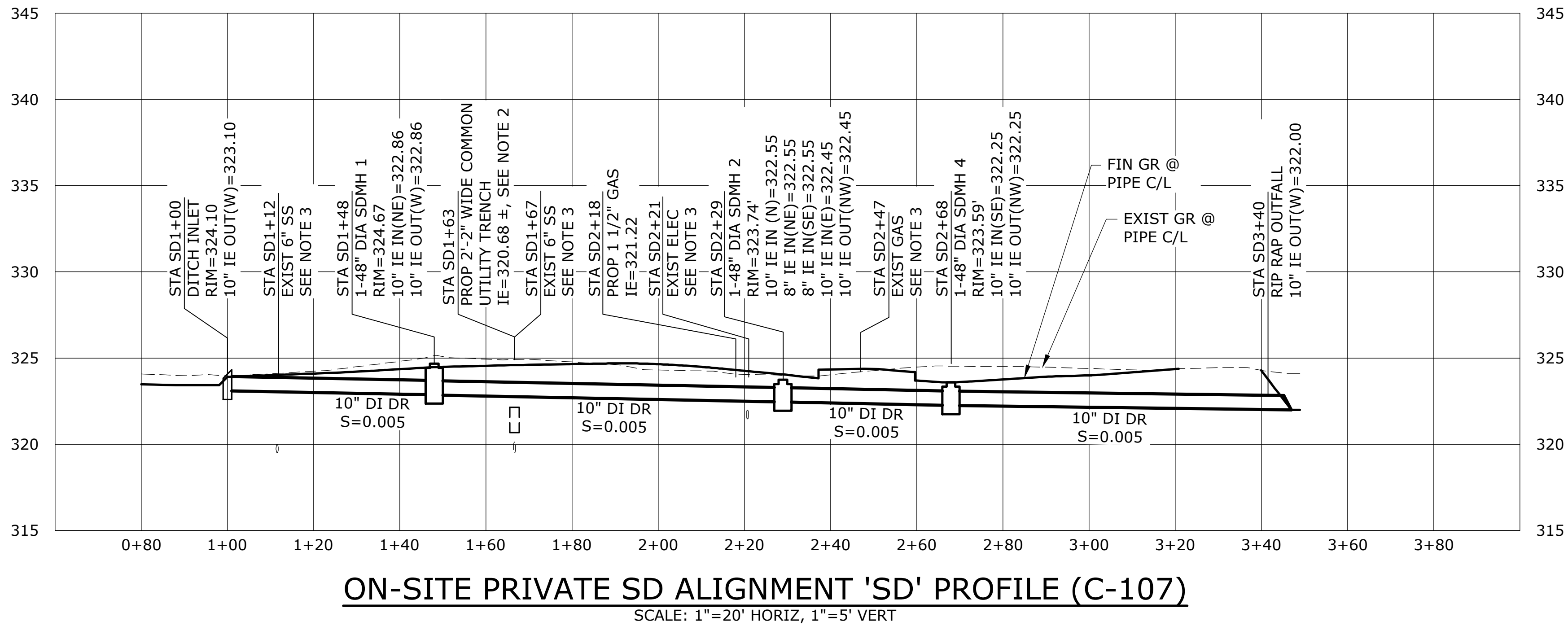
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CIVIL SITE				SHEET
SOUTH STORMWATER PLANTERS PLAN AND PROFILE				C-108A
PROJECT NO.:	W253326OR	SCALE:	AS SHOWN	DATE:
				AUGUST 2026

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- NOTES:
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 2. CONTRACTOR SHALL CONDUCT INITIAL EXCAVATION ON EXISTING STORM TO VERIFY DEPTH AND LOCATION. PROVIDE INFORMATION TO ENGINEER FOR USE IN DETERMINING MANHOLE CONFIGURATION.
 3. ALL TRENCH BACKFILL SHALL BE CLASS B UNLESS OTHERWISE NOTED. SEE COOC STD DWG OC 313.
 4. ALL STORM PIPING SHALL HAVE A MINIMUM SLOPE OF 0.5%.
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NO.	DATE	BY	REVISION

NOTICE

0 1/2 1

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KKS
DESIGNED
JO
DRAWN
ANB
CHECKED

REGISTERED PROFESSIONAL ENGINEER
OREGON
SEPTEMBER 12, 2015
ADAM N. BLAIR
RENEWS 12-31-27

BID SET

PURE WATER SINCE 1915

WATER QUALITY SYSTEMS BUILDING

CIVIL SITE

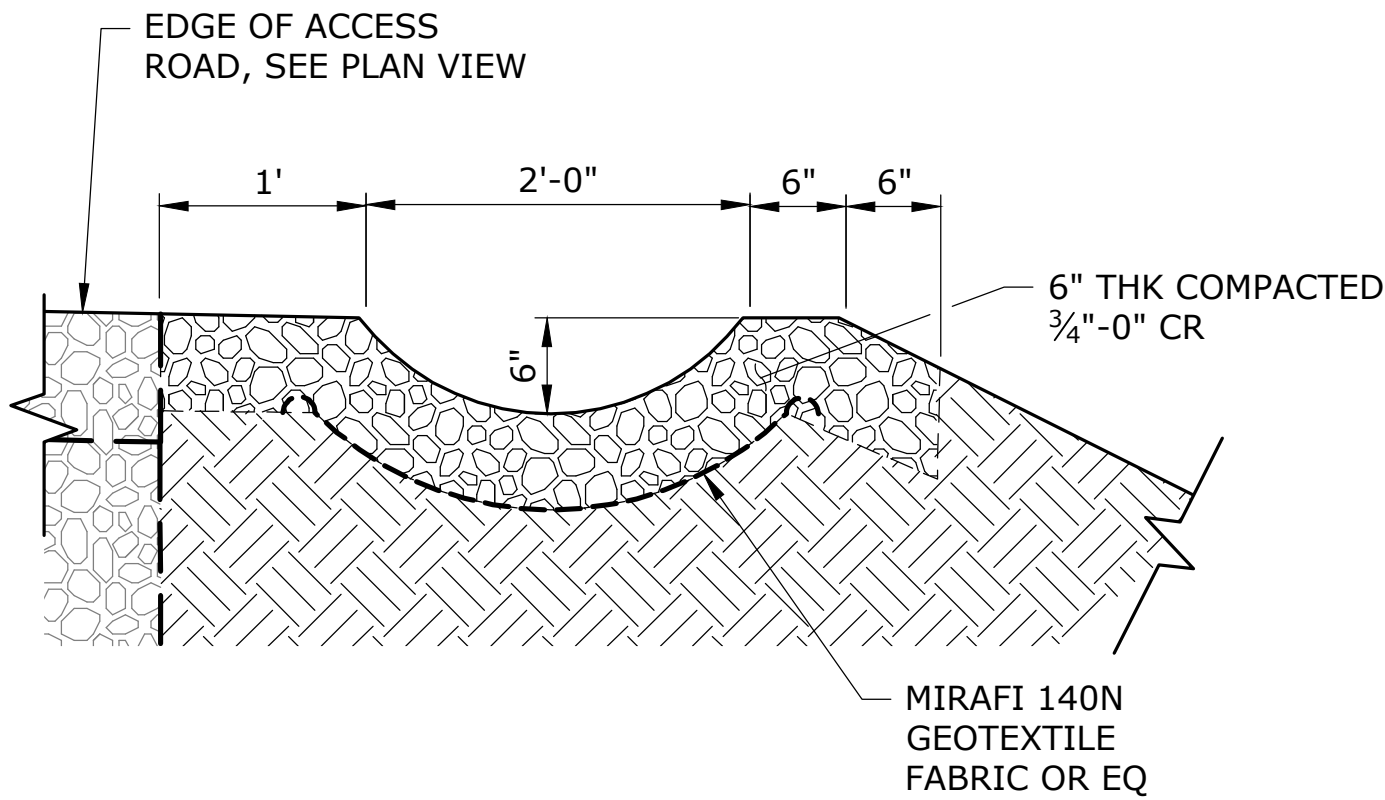
ONSITE PRIVATE 'SD' ALIGNMENT C PROFILE

PROJECT NO.: W253326OR SCALE: AS SHOWN DATE: AUGUST 2026

SHEET

C-108B

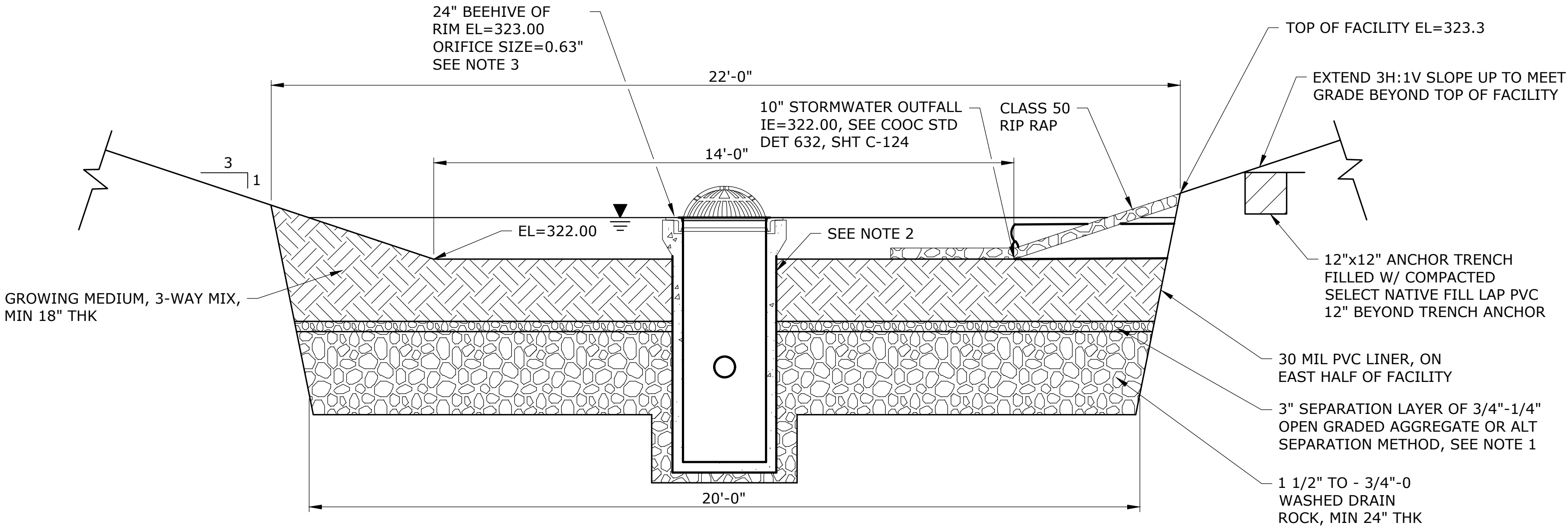
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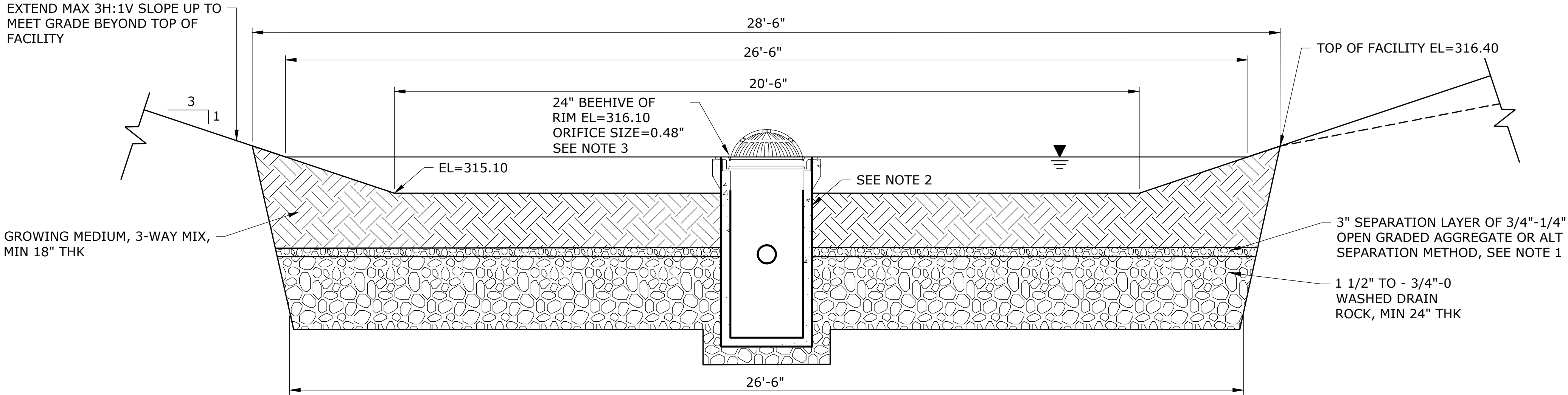
NOTES:

1. MINIMUM SLOPE OF DRAINAGE DITCH TO BE 1%.
2. GEOTEXTILE FABRIC TO BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS USING U-SHAPED WIRE STAPLES.
3. ALL TRENCH BACKFILL CLASS B SEE DRAWING OC 313 UNLESS OTHERWISE NOTED.

2' WIDE ROADWAY DRAINAGE DITCH 1
C-107
SCALE: NTS



NW RAIN GARDEN ELEVATION 2
C-107
SCALE: 1"=2'



NE RAIN GARDEN ELEVATION 3
C-108
SCALE: 1"=2'

NOTES:

1. SEE COOC STD FIGURES C-4 ON SHEET C-123 FOR ADDITIONAL DETAILS.
2. SEE COOC STD DWG 626 ON SHEET C-123 FOR BEEHIVE OVERFLOW STRUCTURE INFORMATION.
3. INSTALL OLYMPIC FOUNDRY INC. MH25 BEEHIVE GRATE WITH MH30 24x4 REVERSIBLE RING, OR APPROVED EQUAL.

NO.	DATE	BY	REVISION

NOTICE
0 1/2 1
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KKS
DESIGNED
AJR
DRAWN
ANB
CHECKED



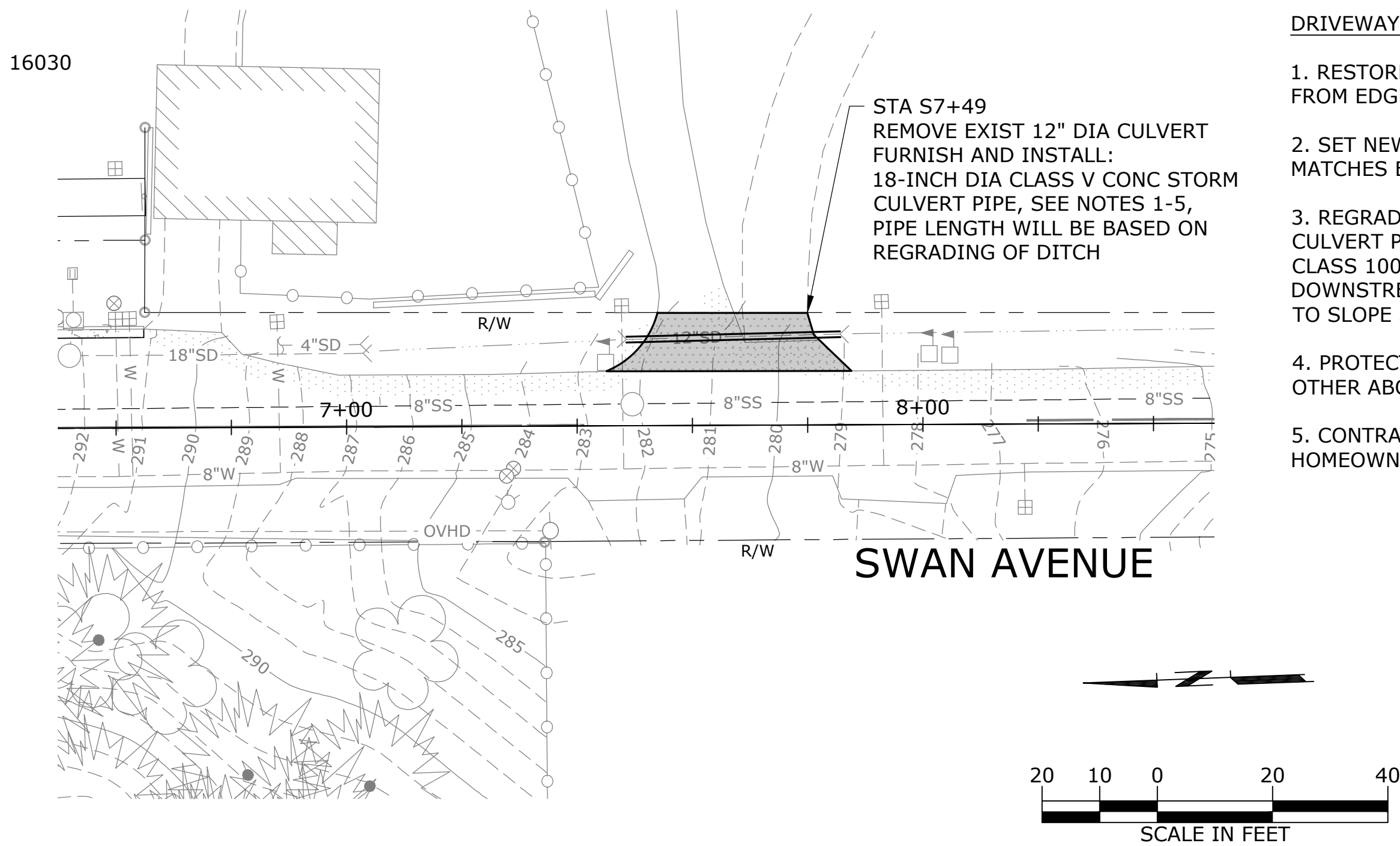
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CIVIL SITE			
STORM DRAINAGE PROFILE AND DETAILS			
PROJECT NO.:	W253326OR	SCALE:	AS SHOWN
DATE:	AUGUST 2026		

SHEET
C-109

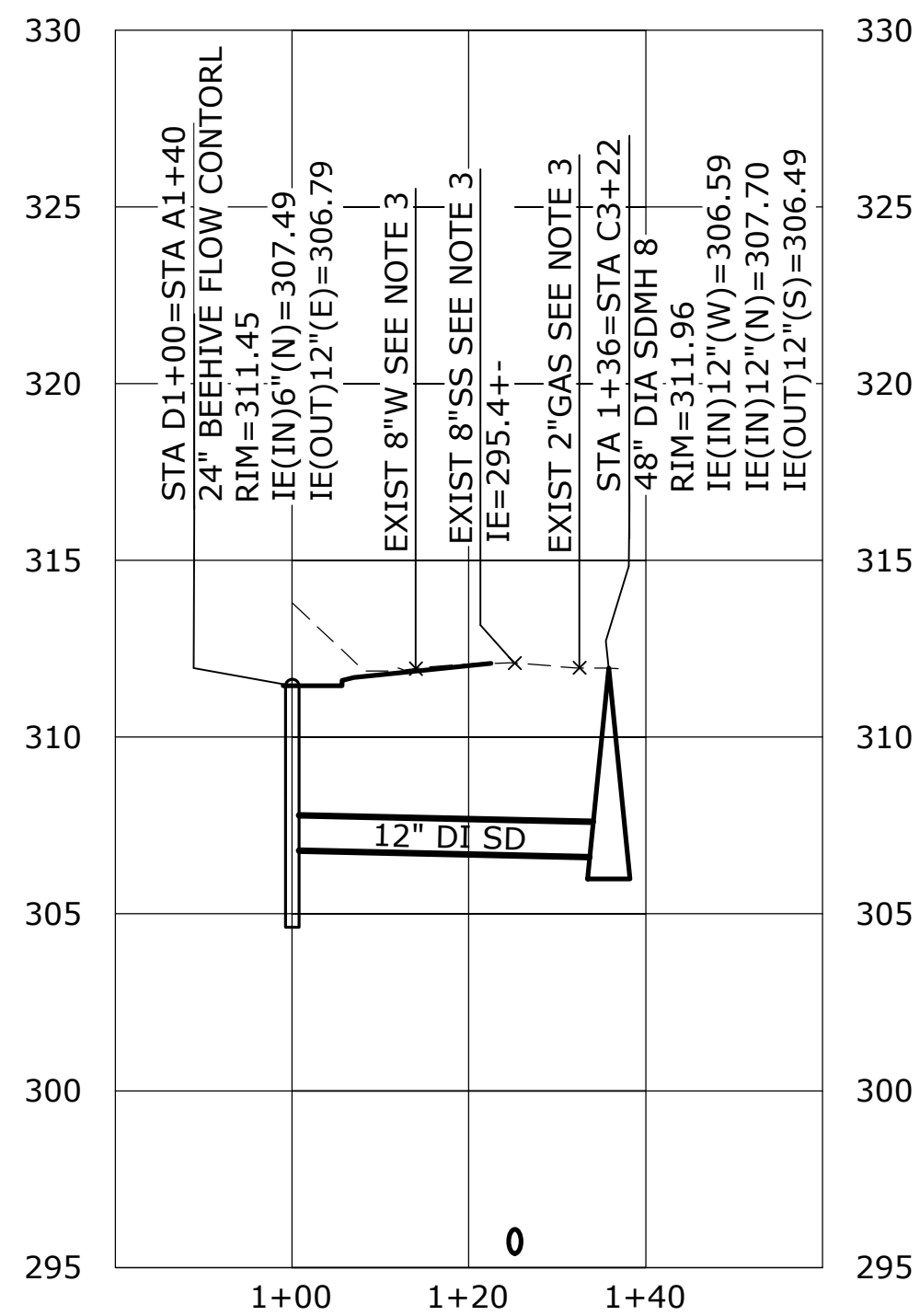
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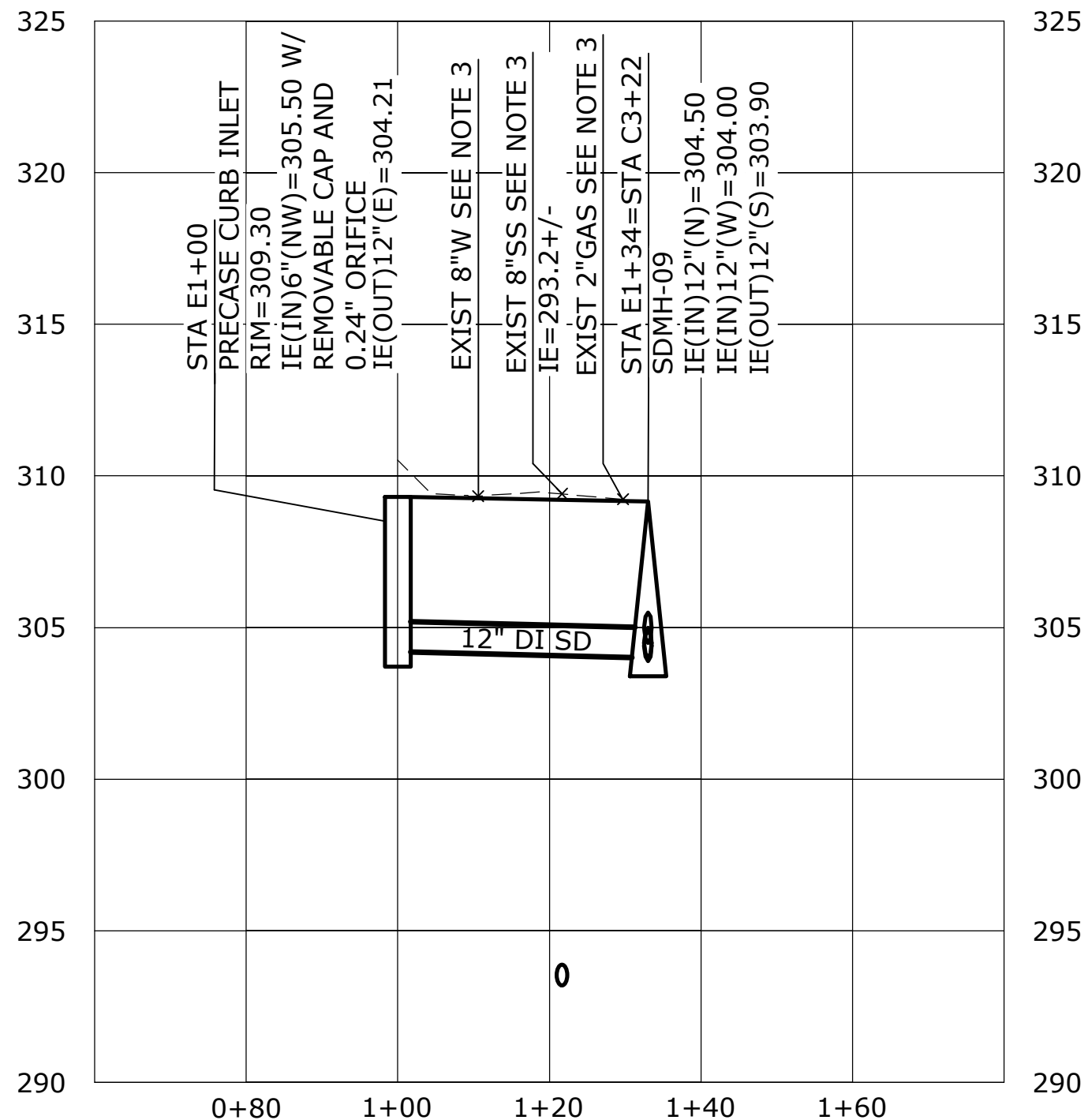
SWAN AVENUE CULVERT REPLACEMENT PLAN
SCALE: 1"=20'

DRIVEWAY CULVERT NOTES:

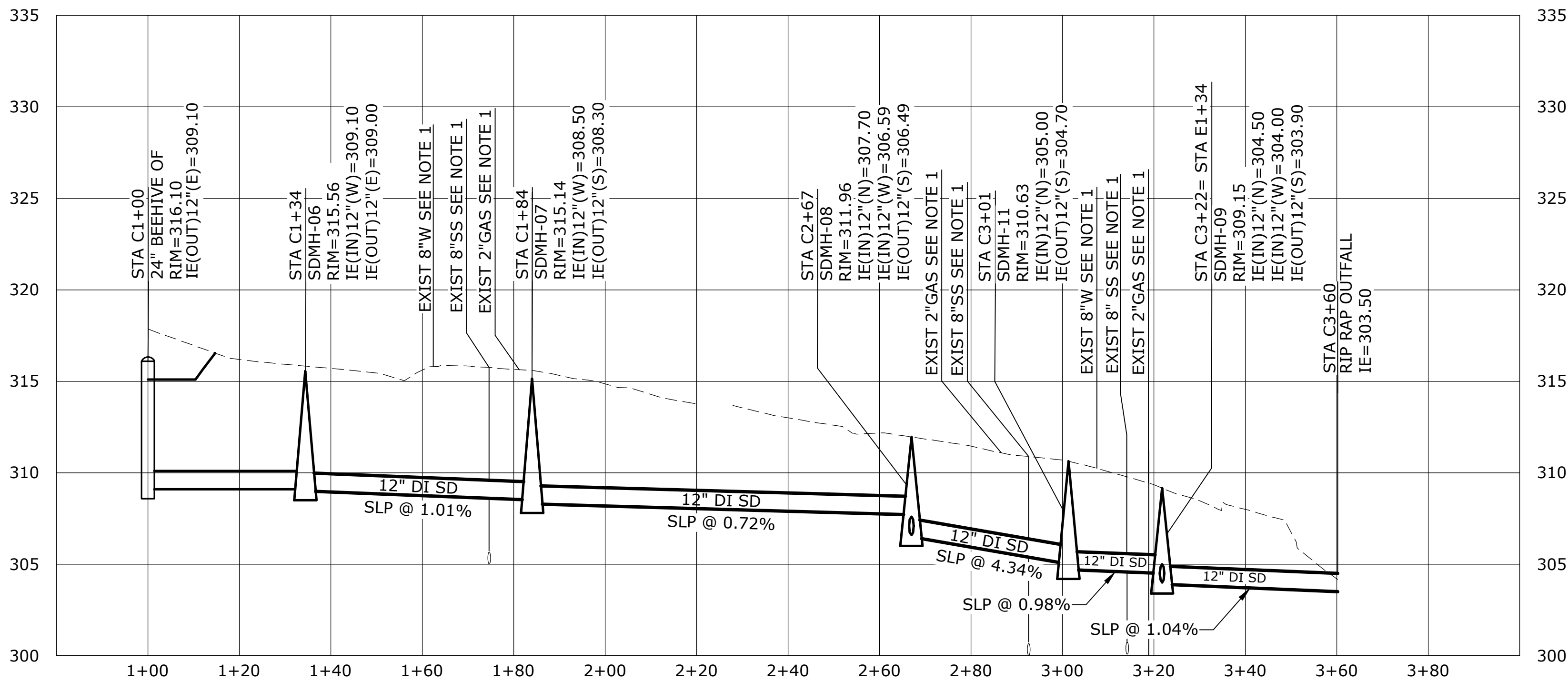
1. RESTORE SURFACINGS IN PRIVATE DRIVE FROM EDGE OF ROW TO EDGE OF ROAD.
2. SET NEW CULVERT PIPE SO THAT TOP OF PIPE MATCHES EXISTING CULVERT.
3. REGRADE DITCH AS REQUIRED TO MATCH NEW CULVERT PIPE INVERT ELEVATION. INSTALL CLASS 100 RIP RAP AROUND CULVERT ENDS. DOWNSTREAM END OF PIPE SHALL BE GRADED TO SLOPE SOUTHWARD.
4. PROTECT EXISTING METERS, MAILBOXES, AND OTHER ABOVE GROUND FEATURES IN PLACE.
5. CONTRACTOR TO COORDINATE WORK WITH HOMEOWNERS TO ENSURE ACCESS.



ALIGNMENT 'D' PROFILE (C-108)
SCALE: 1"=20' HORIZ, 1"=5' VERT



ALIGNMENT 'E' PROFILE (C-108)
SCALE: 1"=20' HORIZ, 1"=5' VERT



OFF-SITE SD ALIGNMENT 'C' PROFILE (C-108)
SCALE: 1"=20' HORIZ, 1"=5' VERT

STORM PROFILE NOTES:

1. SEE SHEET C-107 FOR PLAN VIEW.
2. PROVIDE CDF BACKFILL BETWEEN TOP OF COMBINED UTILITY CORRIDOR AND BOTTOM OF STORM AT CROSSING
3. CONTRACTOR SHALL POTHOLE AND VERIFY LOCATIONS, SIZES, AND DEPTHS OF EXISTING UTILITIES, NOTIFY ENGINEERS OF POTENTIAL CONFLICTS A MINIMUM OF 72 HOURS PRIOR TO ANY WORK.

NO.	DATE	BY	REVISION

NOTICE

0 1/2 1

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KKS
DESIGNED
DKH
DRAWN
ANB
CHECKED



BID SET



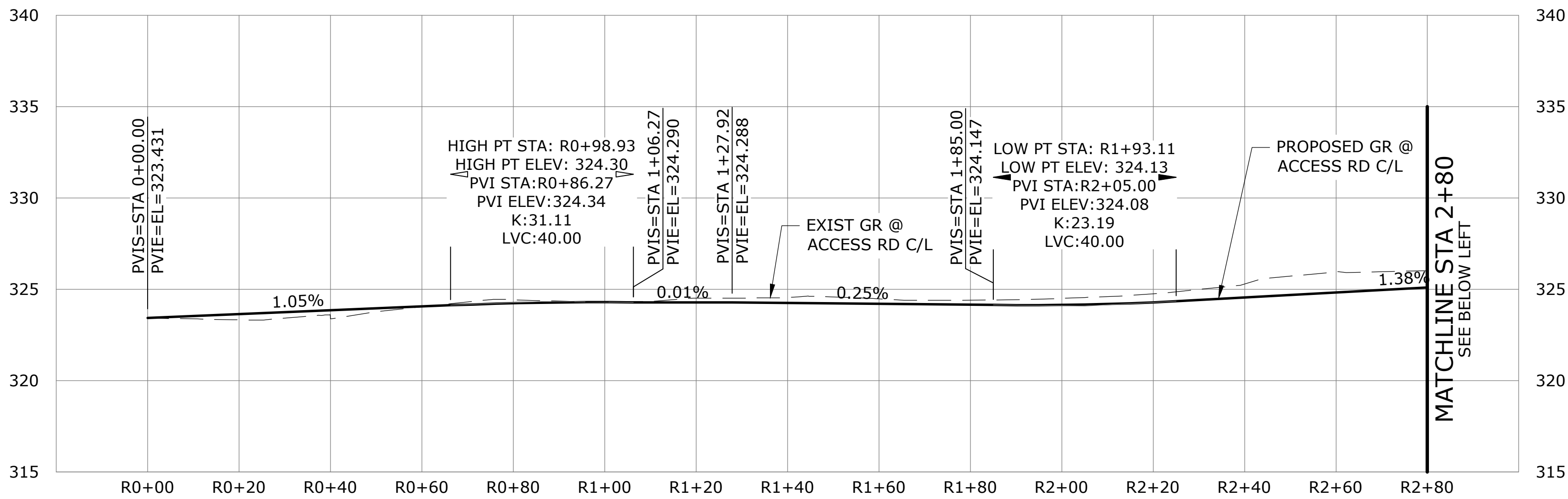
STORM DRAIN PLAN AND PROFILES

PROJECT NO.: W253326OR SCALE: AS SHOWN DATE: AUGUST 2026

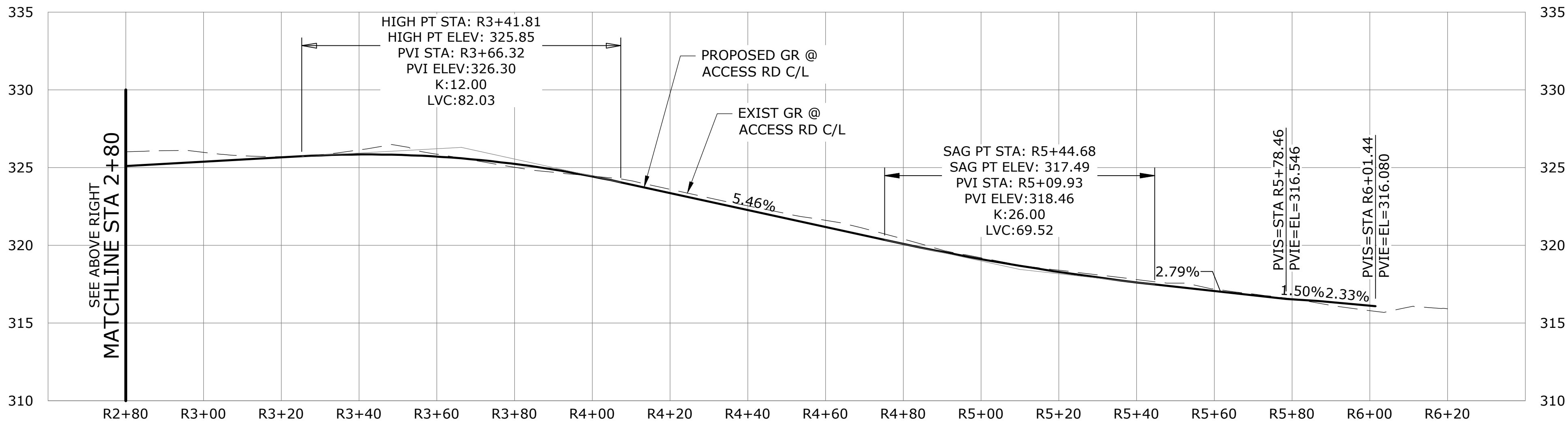
SHEET

C-109A

\\EgnyteDrive\Conisor Files_V-W\Projects\OR\South Fork Water\2025\W253326OR.00\12 CADD\12-5 Sheets\ACCESS ROAD - LINE AND CURVE TABLES.dwg C-110 7/29/2026 10:52 AM JUSTIN.DEVEL 24.3s (LMS Tech)



ACCESS ROAD - 'R' PROFILE - 1 (C-104)
SCALE: 1"=20' HORIZ; 1"=5' VERT



ACCESS ROAD - 'R' PROFILE - 2 (C-104A)
SCALE: 1"=20' HORIZ; 1"=5' VERT

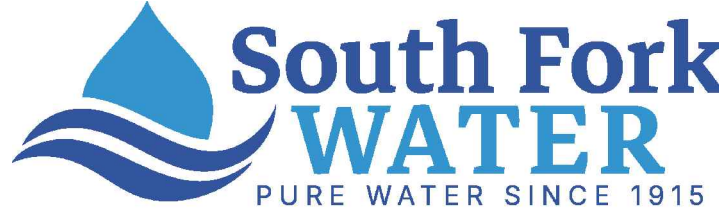
NO.	DATE	BY	REVISION

NOTICE
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ANB
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BID SET



WATER QUALITY SYSTEMS BUILDING

CIVIL SITE			
ACCESS ROAD - PROFILE			
PROJECT NO.:	W253326OR	SCALE:	AS SHOWN
DATE:	AUGUST 2026		

SHEET

C-110

\\EgnyteDrive\Conisor Files_V-W\Projects\OR\South Fork Water\2025\W253326OR.00\12 CADD\12-5 Sheets\ACCESS ROAD - LINE AND CURVE TABLES.dwg C-111 7/29/2026 10:52 AM JUSTIN.DEUEL 24.3s (LMS Tech)

LINE TABLE: ACCESS ROAD ALIGNMENT				
PT NO.	LENGTH	DIRECTION	START POINT	END POINT
L1	65.00'	N66°37'59"E	N629828.23, E7669092.10	N629854.01, E7669151.77
L2	28.33'	S65°22'01"E	N629853.54, E7669194.48	N629841.73, E7669220.23
L3	131.19'	S88°02'04"E	N629833.82, E7669253.70	N629829.32, E7669384.81
L4	93.69'	S19°07'02"E	N629795.73, E7669430.34	N629707.20, E7669461.02
L5	63.25'	S48°42'04"E	N629673.30, E7669483.81	N629631.56, E7669531.33
L6	52.59'	S35°55'58"E	N629621.69, E7669540.31	N629579.11, E7669571.17

LINE TABLE: ACCESS ROAD EDGE OF PAVEMENT - NORTH				
LINE	LENGTH	DIRECTION	START POINT	END POINT
L17	40.67'	N48° 12' 23.63"E	629808.47, 7669061.63	629835.58, 7669091.96
L18	51.76'	S66° 37' 59.32"W	629860.90, 7669148.80	629840.37, 7669101.29
L22	51.67'	S65° 22' 01.21"E	629883.17, 7669147.85	629861.64, 7669194.82
L24	20.00'	S65° 22' 01.21"E	629848.00, 7669188.57	629839.67, 7669206.75
L25	14.29'	S87° 50' 45.00"W	629866.31, 7669184.62	629865.78, 7669170.34
L28	15.00'	N24° 37' 58.79"E	629839.67, 7669206.75	629853.30, 7669213.00
L30	16.03'	S88° 02' 03.80"E	629841.87, 7669237.93	629841.32, 7669253.95
L40	15.00'	S24° 37' 58.79"W	629861.64, 7669194.82	629848.00, 7669188.57
L41	27.43'	S65° 22' 01.21"E	629853.30, 7669213.00	629841.87, 7669237.93
L42	139.02'	S88° 02' 03.80"E	629841.32, 7669253.95	629836.55, 7669392.89
L44	97.88'	S19° 07' 02.10"E	629802.96, 7669438.42	629710.48, 7669470.47
L46	54.42'	S48° 42' 04.37"E	629680.81, 7669490.41	629644.89, 7669531.30
L47	6.45'	S37° 24' 30.43"W	629650.02, 7669535.22	629644.89, 7669531.30
L48	48.59'	S1° 48' 02.35"W	629690.85, 7669540.28	629642.29, 7669538.75
L49	14.29'	N1° 52' 14.79"E	629635.49, 7669542.00	629649.78, 7669542.47

LINE TABLE: ACCESS ROAD EDGE OF PAVEMENT - SOUTH				
LINE	LENGTH	DIRECTION	START POINT	END POINT
L11	40.00'	S1° 52' 14.79"W	629634.64, 7669542.97	629594.66, 7669541.67
L13	8.55'	N18° 46' 01.60"W	629594.66, 7669541.67	629602.76, 7669538.92
L19	89.51'	N19° 07' 02.10"W	629703.93, 7669451.57	629788.50, 7669422.26
L20	154.21'	N88° 02' 03.80"W	629822.17, 7669374.62	629827.46, 7669220.50
L21	10.21'	N67° 04' 33.39"W	629830.98, 7669202.21	629834.95, 7669192.80
L33	63.07'	N48° 42' 04.37"W	629624.16, 7669524.60	629665.79, 7669477.21

CURVE TABLE: ACCESS ROAD ALIGNMENT					
PT NO.	RADIUS	LENGTH	CHORD	START POINT	END POINT
C1	52.50'	43.98'	S89°22'01"E	N629854.01, E7669151.77	N629853.54, E7669194.48
C2	87.50'	34.62'	S76°42'03"E	N629841.73, E7669220.23	N629833.82, E7669253.70
C3	50.00'	60.14'	S53°34'33"E	N629829.32, E7669384.81	N629795.73, E7669430.34
C4	80.00'	41.31'	S33°54'33"E	N629707.20, E7669461.02	N629673.30, E7669483.81
C5	60.00'	13.37'	S42°19'01"E	N629631.56, E7669531.33	N629621.69, E7669540.31

CURVE TABLE: ACCESS ROAD EDGE OF PAVEMENT - NORTH					
#	RADIUS	LENGTH	CHORD	START POINT	END POINT
C21	60.00'	22.21'	22.09, S77° 14' 22.16"W	629865.78, 7669170.34	629860.90, 7669148.80
C28	73.47'	10.50'	10.49, N62° 49' 28.62"E	629835.58, 7669091.96	629840.37, 7669101.29
C34	50.00'	60.14'	56.58, S53° 34' 32.95"E	629836.55, 7669392.89	629802.96, 7669438.42
C35	70.00'	36.14'	35.74, S33° 54' 33.24"E	629710.48, 7669470.47	629680.81, 7669490.41

CURVE TABLE: ACCESS ROAD EDGE OF PAVEMENT - SOUTH					
#	RADIUS	LENGTH	CHORD	START POINT	END POINT
C7	50.00'	26.04'	25.75, N33° 46' 49.23"W	629602.76, 7669538.92	629624.16, 7669524.60
C14	90.00'	46.47'	45.96, N33° 54' 33.24"W	629665.79, 7669477.21	629703.93, 7669451.57
C15	50.12'	62.27'	58.34, N54° 45' 09.31"W	629788.50, 7669422.26	629822.17, 7669374.62
C16	60.00'	18.70'	18.62, N79° 06' 22.19"W	629827.46, 7669220.50	629830.98, 7669202.21
C17	40.00'	9.48'	9.45, N76° 03' 47.76"W	629834.95, 7669192.80	629837.23, 7669183.63

NO.	DATE	BY	REVISION

NOTICE

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KKS

DESIGNED

MDP

DRAWN

ANB

CHECKED

REGISTERED PROFESSIONAL ENGINEER

864088E

OREGON

SEPTEMBER 12, 2015

ADAM N. BLAIR

RENEWS 12-31-27

BID SET

PURE WATER SINCE 1915

WATER QUALITY SYSTEMS BUILDING

CIVIL SITE

ACCESS ROAD - LINE AND CURVE TABLES

PROJECT NO.: W253326OR

SCALE: AS SHOWN

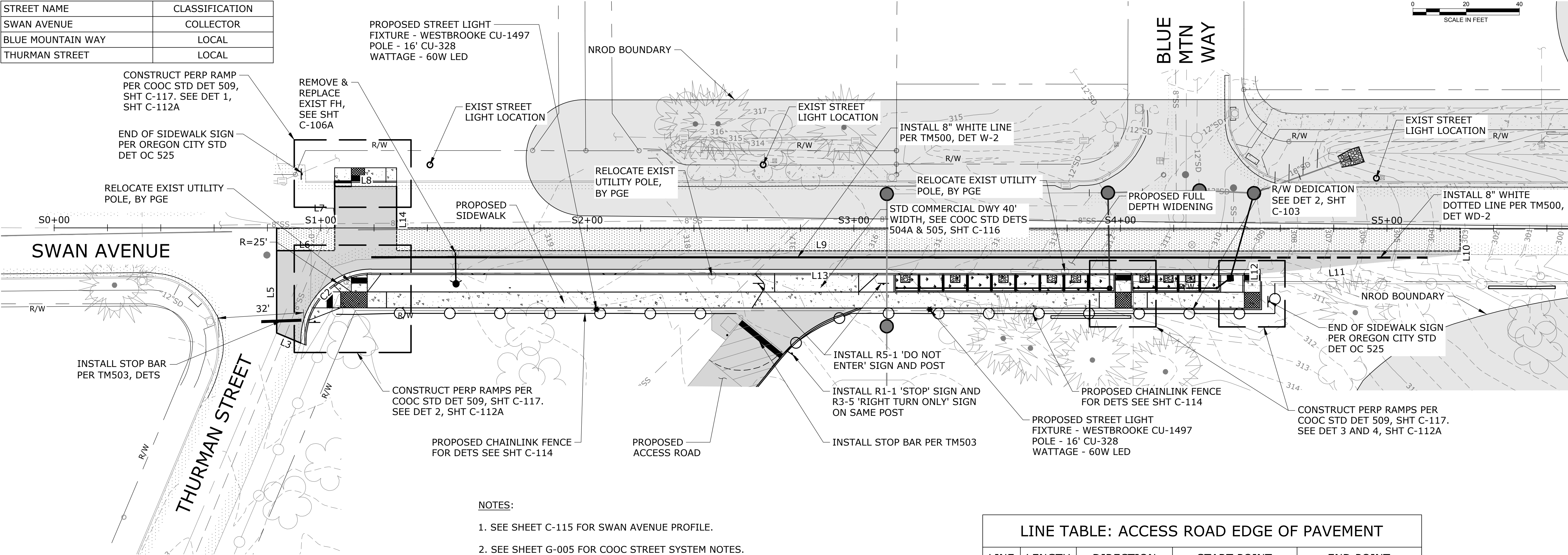
DATE: AUGUST 2026

SHEET

C-111

\\EgnyteDrive\Conisor Files\ _V-W\Projects\OR\South Fork Water\2025\W253326OR.00\12 CADD\12-5 Sheets\C-ROAD-SWAN-RESTORATION.dwg C-112 7/29/2026 10:53 AM JUSTIN.DEVEL 24.3s (LMS Tech)

STREET NAME	CLASSIFICATION
SWAN AVENUE	COLLECTOR
BLUE MOUNTAIN WAY	LOCAL
THURMAN STREET	LOCAL



NOTES:

- 1. SEE SHEET C-115 FOR SWAN AVENUE PROFILE.
- 2. SEE SHEET G-005 FOR COOC STREET SYSTEM NOTES.
- 3. SEE SHEET C-112A FOR CURVE AND LINE TABLES.

LINE TABLE: ACCESS ROAD EDGE OF PAVEMENT

LINE	LENGTH	DIRECTION	START POINT	END POINT
L3	9.83'	N24° 37' 58.79"E	629804.23, 7669535.34	629813.17, 7669539.44
L5	30.86'	S88° 07' 45.21"E	629813.17, 7669539.44	629812.16, 7669570.28
L6	21.82'	S1° 52' 15.79"W	629812.16, 7669570.28	629790.35, 7669569.57
L7	15.53'	S88° 15' 25.37"E	629790.09, 7669578.07	629789.62, 7669593.58
L8	23.25'	S1° 44' 34.50"W	629789.62, 7669593.58	629766.38, 7669592.88
L9	398.95'	S1° 52' 13.91"W	629767.16, 7669568.81	629368.42, 7669555.79
L10	1.32'	N88° 07' 46.09"W	629368.42, 7669555.79	629368.47, 7669554.47
L12	1.50'	S88° 07' 44.54"E	629443.67, 7669549.74	629443.62, 7669551.24
L13	333.43'	N1° 52' 15.07"E	629443.62, 7669551.24	629776.87, 7669562.13
L14	24.08'	N88° 07' 44.21"W	629766.38, 7669592.88	629767.16, 7669568.81

CURVE TABLE: ACCESS ROAD EDGE OF PAVEMENT

#	RADIUS	LENGTH	CHORD	START POINT	END POINT
C2	26.50'	42.79'	38.29, N44° 23' 39.82"W	629776.87, 7669562.13	629804.23, 7669535.34

NO.	DATE	BY	REVISION

NOTICE

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IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

KKS
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AJR
DRAWN
ANB
CHECKED

REGISTERED PROFESSIONAL ENGINEER
OREGON
SEPTEMBER 12, 2015
ADAM N. BLAIR
RENEWS 12-31-27

BID SET

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Stantec

South Fork WATER
PURE WATER SINCE 1915

WATER QUALITY SYSTEMS BUILDING

CIVIL SITE

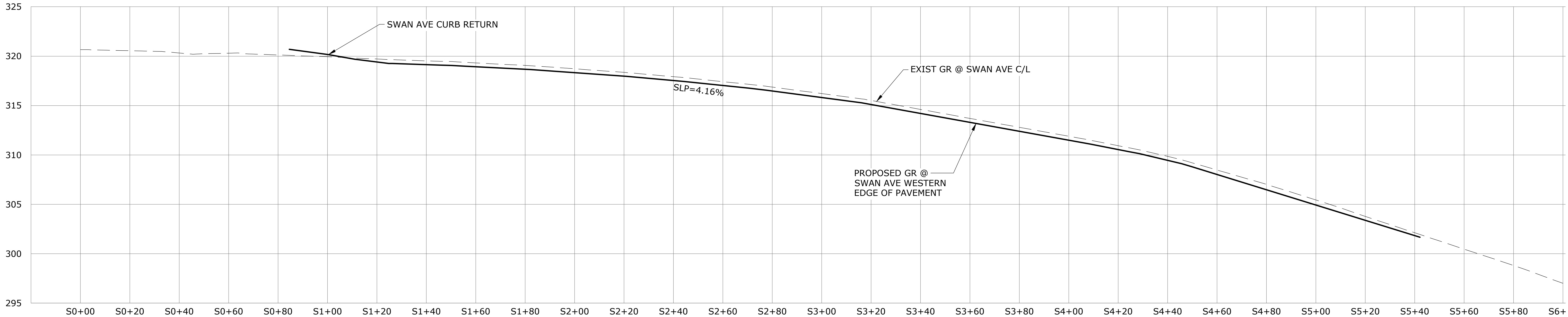
SWAN AVENUE RESTORATION - SITE LAYOUT 1

PROJECT NO.: W253326OR SCALE: AS SHOWN DATE: AUGUST 2026

SHEET

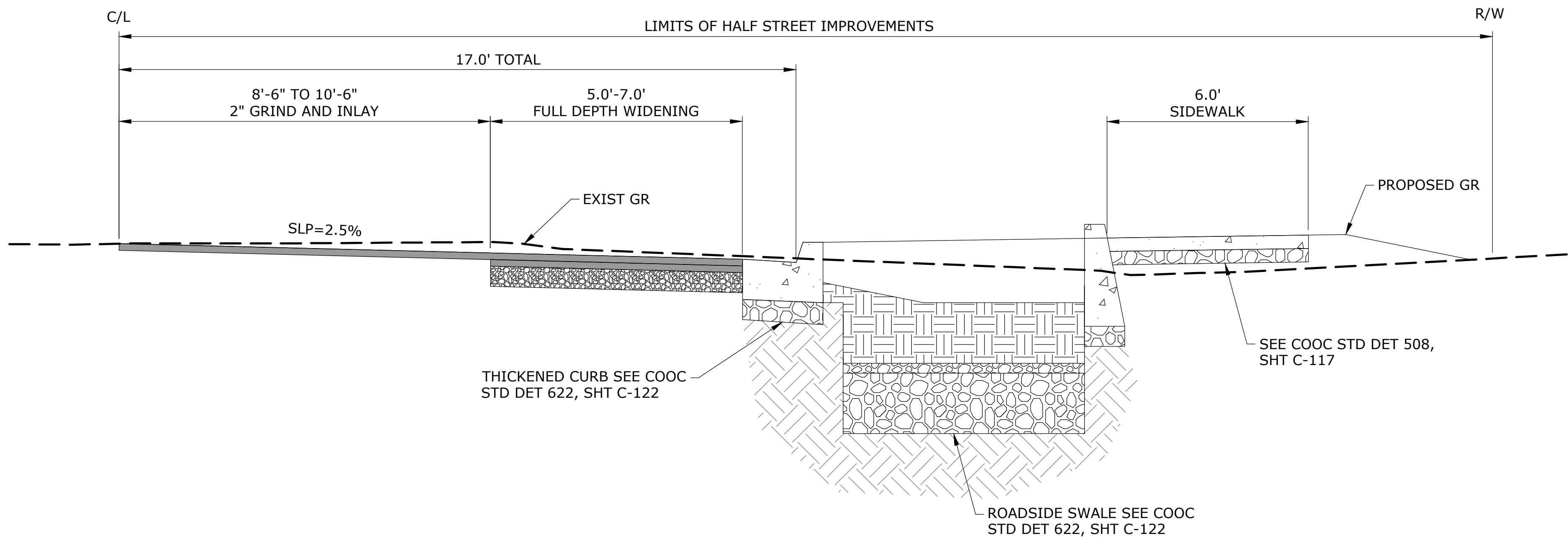
C-112

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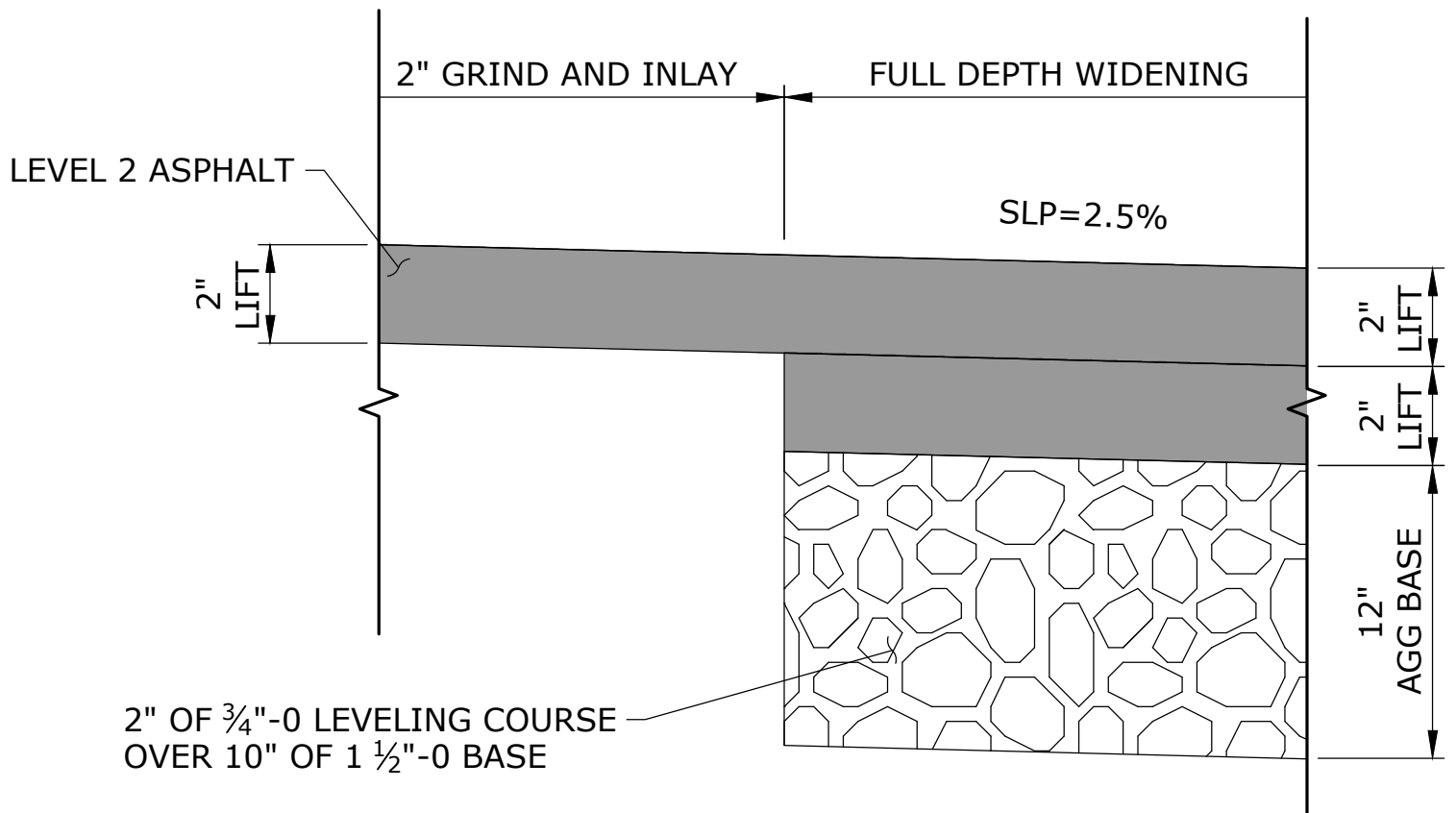
SWAN AVENUE - 'S' PROFILE - 1 (C-112)

SCALE: 1"=20' HORIZ; 1"=5' VERT



TYPICAL SECTION - SWAN AVENUE

SCALE: NOT TO SCALE



PAVEMENT SECTION - SWAN AVENUE

SCALE: NOT TO SCALE

NO.	DATE	BY	REVISION

NOTICE
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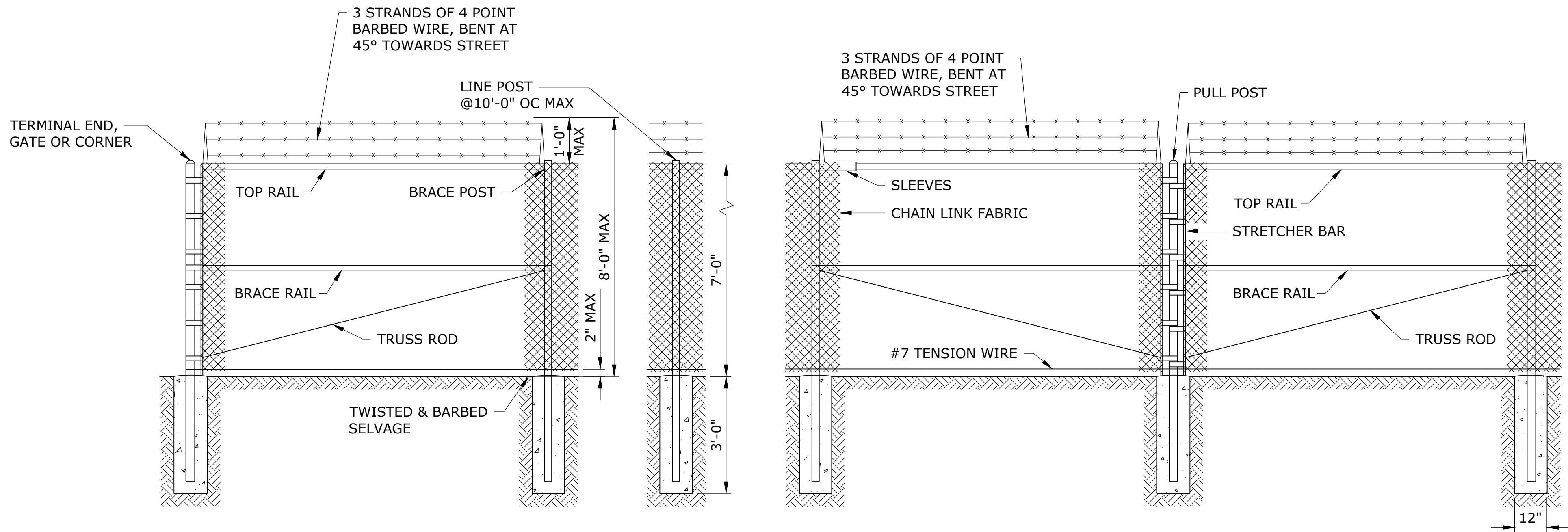
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CIVIL SITE
SWAN AVENUE RESTORATION - PROFILE
PROJECT NO.: W253326OR SCALE: AS SHOWN DATE: AUGUST 2026

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C-113

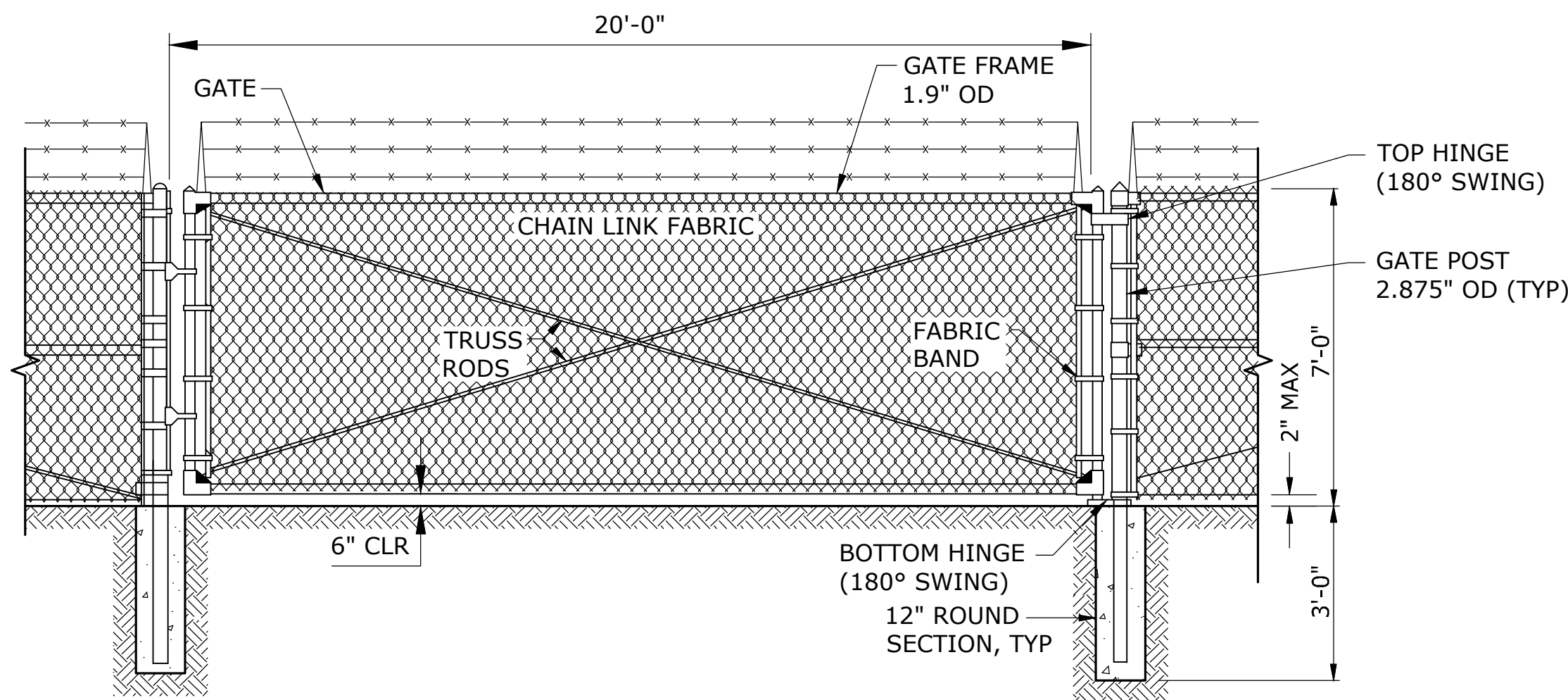
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- NOTES:
1. CHAIN LINK FABRIC, RAILS, AND POSTS SHALL BE BLACK PVC COATED, SEE SPECIFICATION 32 31 13 CHAIN LINK FENCING AND GATES.
 2. CONCRETE SHALL BE MINIMUM 3,000 PSI.

CHAIN LINK FENCE WITH BARBED WIRE
SCALE: NTS

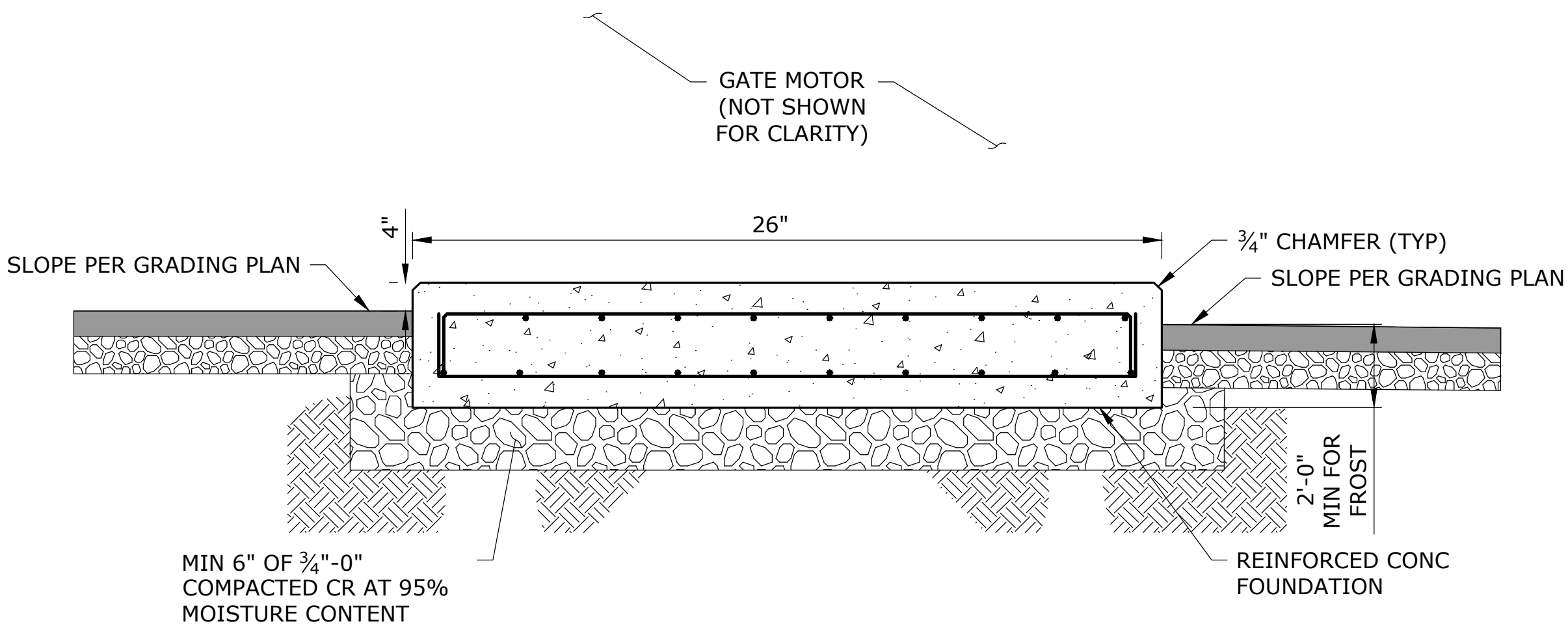
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C-103B



- NOTES:
1. PROVIDE GATE STOP AND DROP RECEIVERS SET IN CONCRETE FOR EACH GATE, SEE SPECIFICATION 32 31 13 CHAIN LINK FENCING AND GATES.
 2. OD FOR GATE POSTS SHALL BE SIZED BY GATE MFR FOR THE SPECIFIED GATE OPENING WIDTH.
 3. SEE DETAIL 3, THIS SHEET, FOR FOUNDATION PAD FOR GATE MOTOR FOUNDATION PAD. SEE C-103B FOR LOCATIONS OF EQUIPMENT. COORDINATE LOCATIONS WITH ELECTRICAL DRAWINGS.

MOTORIZED SWING GATE
SCALE: NTS

2
C-103B



- NOTES:
1. CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI IN 28 DAYS. ALL CONCRETE SHALL CONTAIN 5% (±1%) AIR ENTRAINMENT. SLUMP SHALL BE 1" TO 3".
 2. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60. GRADE 40 MAY BE USED FOR #3 AND SMALLER TIES AND STIRRUPS. DETAIL AND PLACE ACCORDING TO ACI MANUAL SP-66. UNLESS OTHERWISE NOTED, MINIMUM COVER SHALL BE 1½" FOR #5 AND SMALLER BARS, 2" FOR #6 AND LARGER BAR, AND 3" WHEN PLACED AGAINST EARTH. UNLESS OTHERWISE NOTED, BEND ALL HORIZONTAL REINFORCING A MINIMUM OF 2'-0" AT CORNERS AND WALL INTERSECTIONS.

GATE MOTOR FOUNDATION PAD
SCALE: NTS

3
C-103B

NO.	DATE	BY	REVISION

NOTICE
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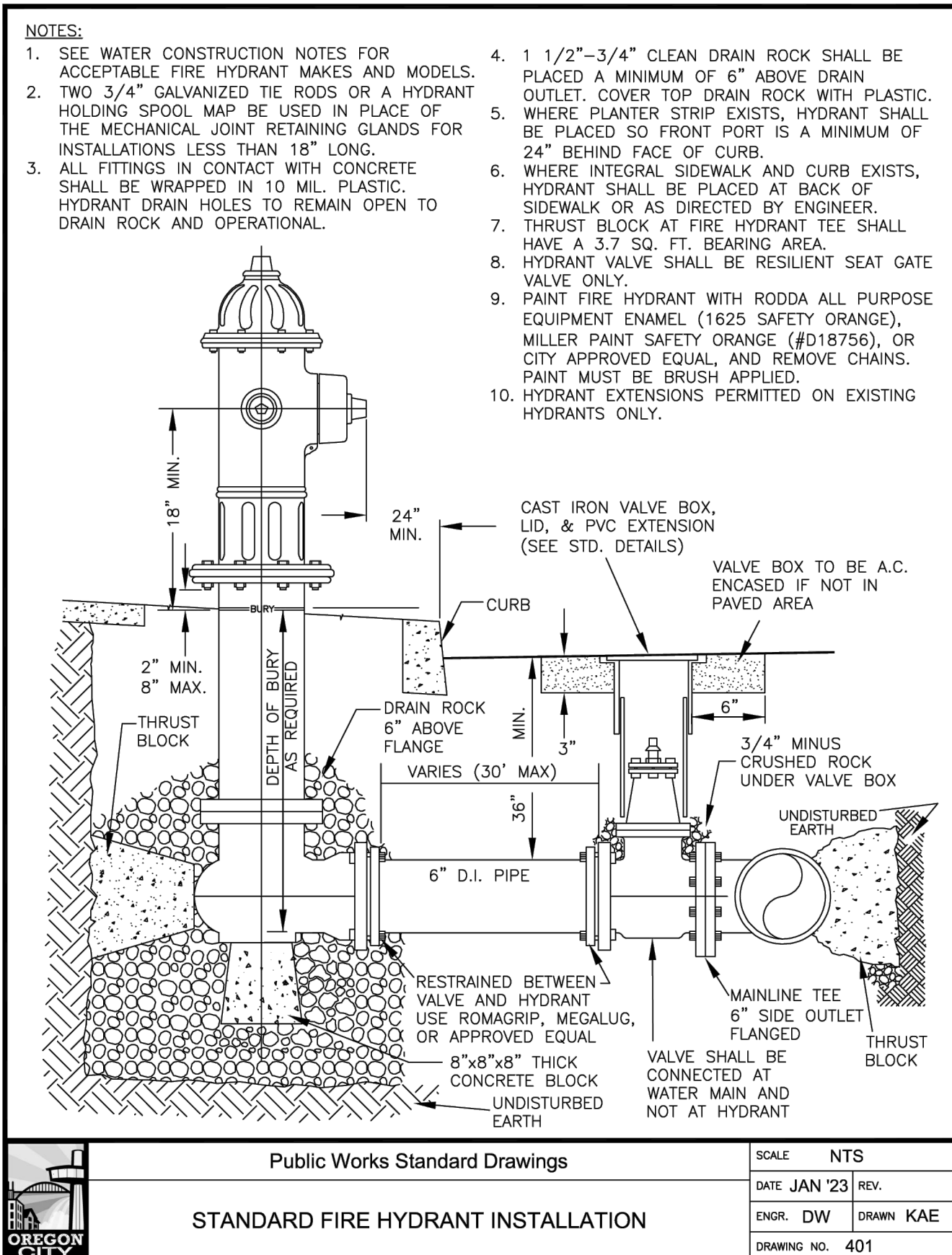
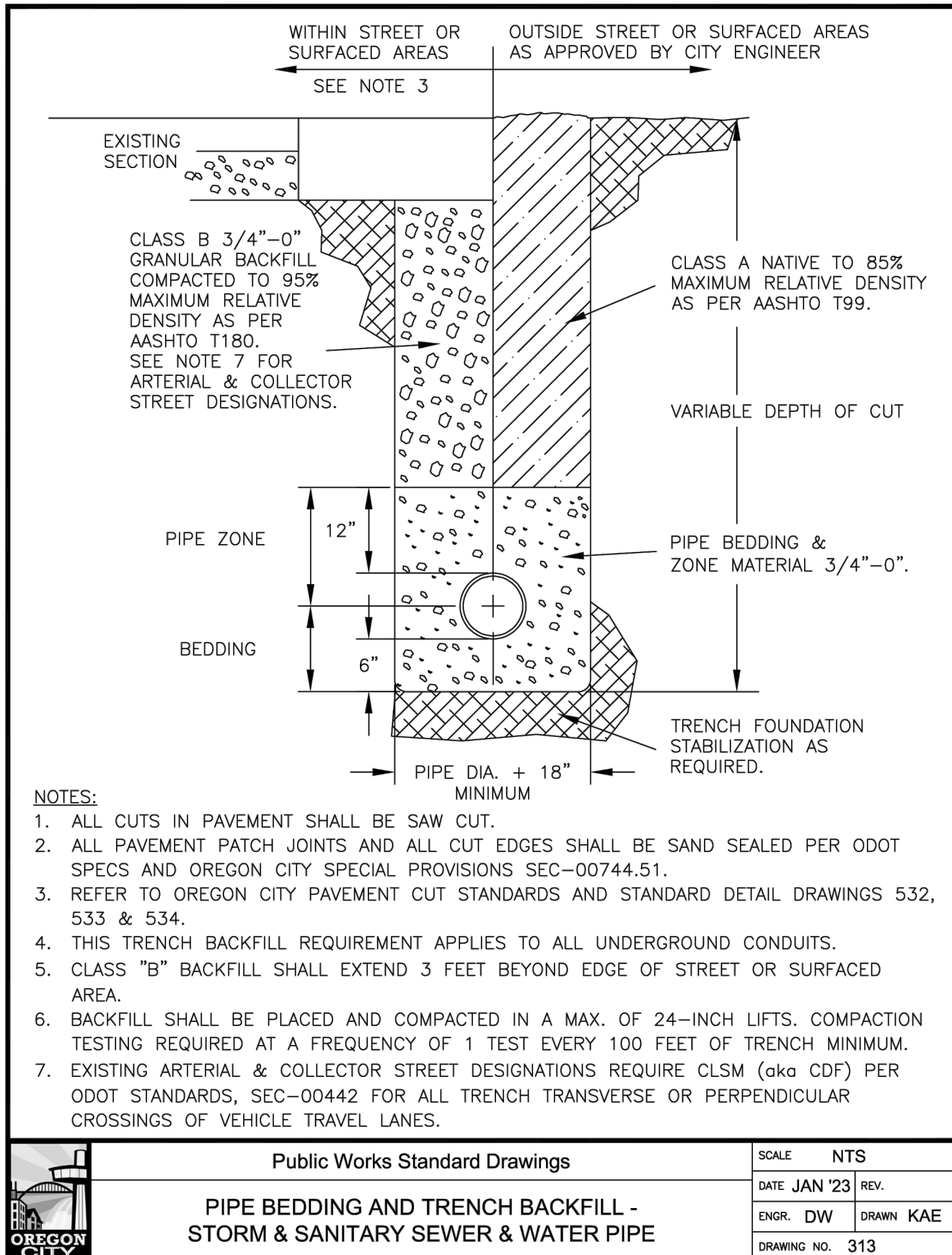
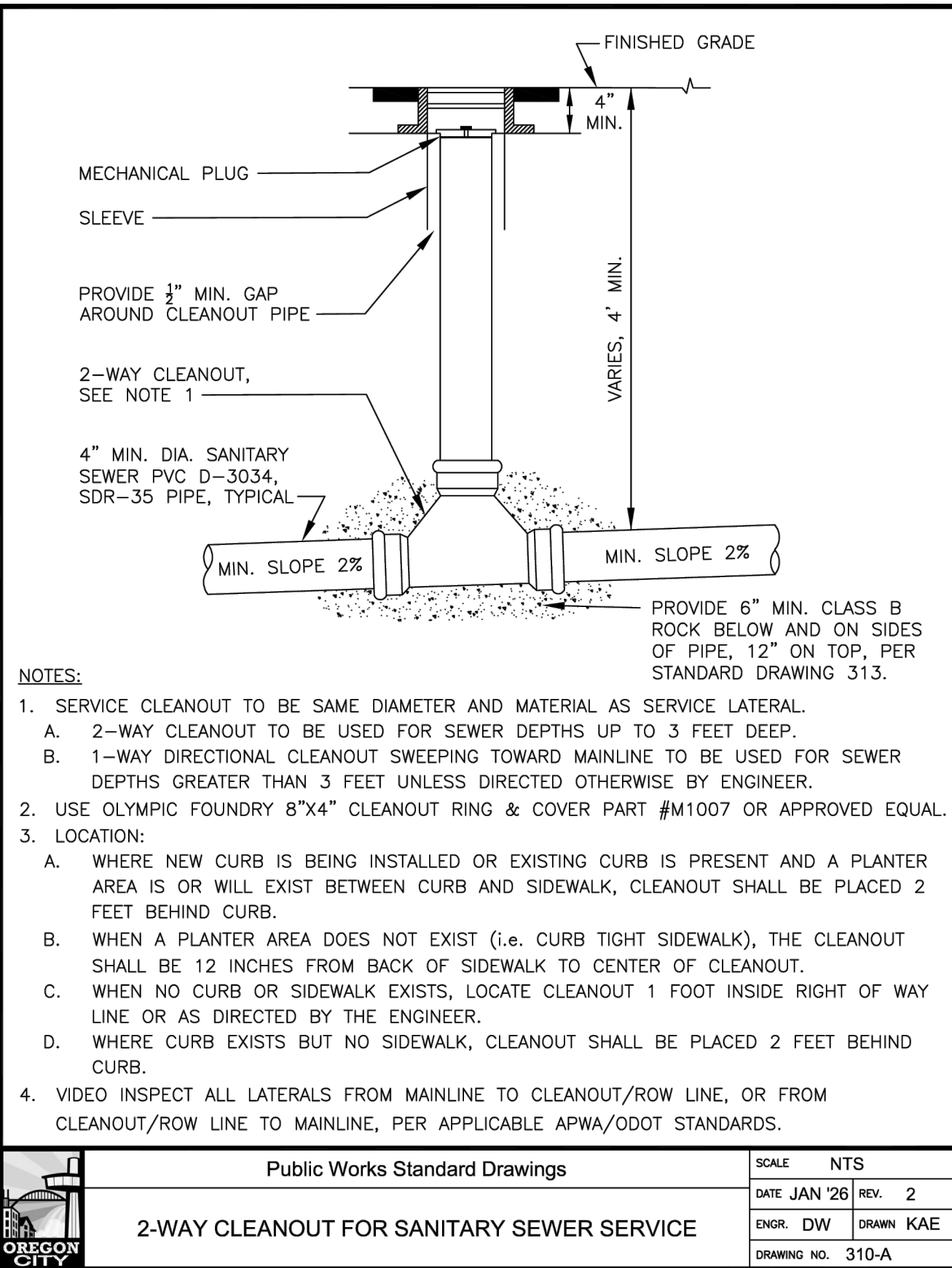
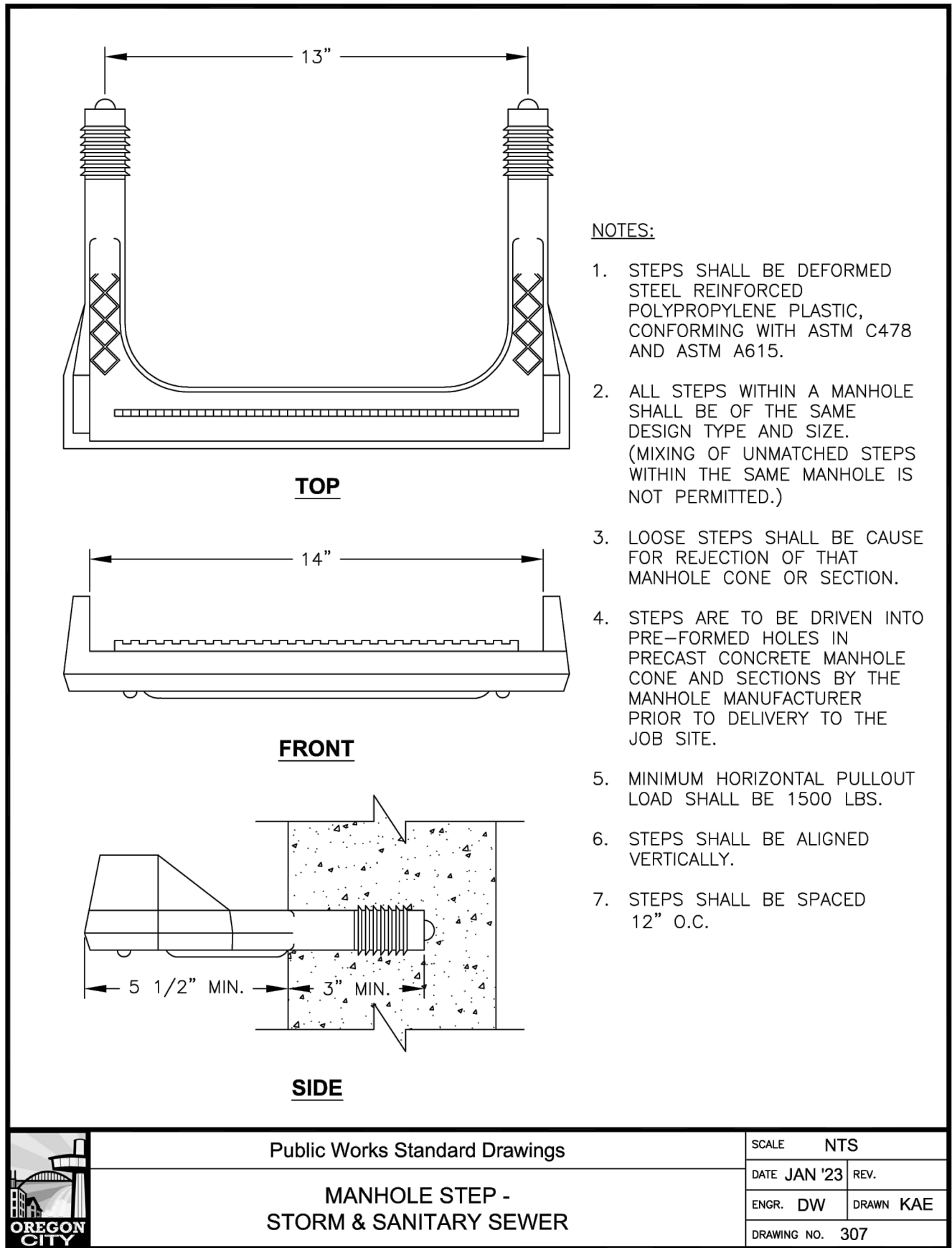
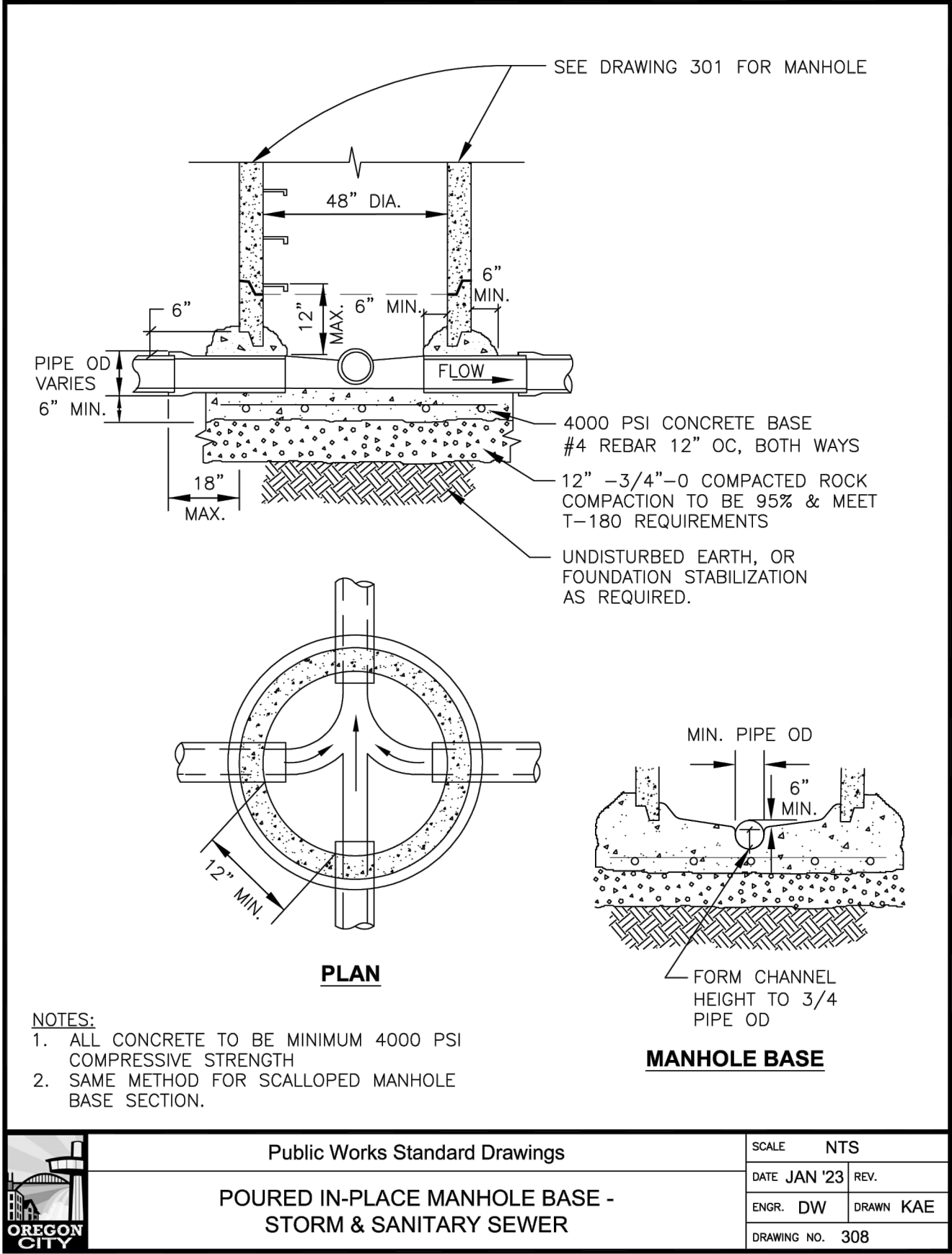
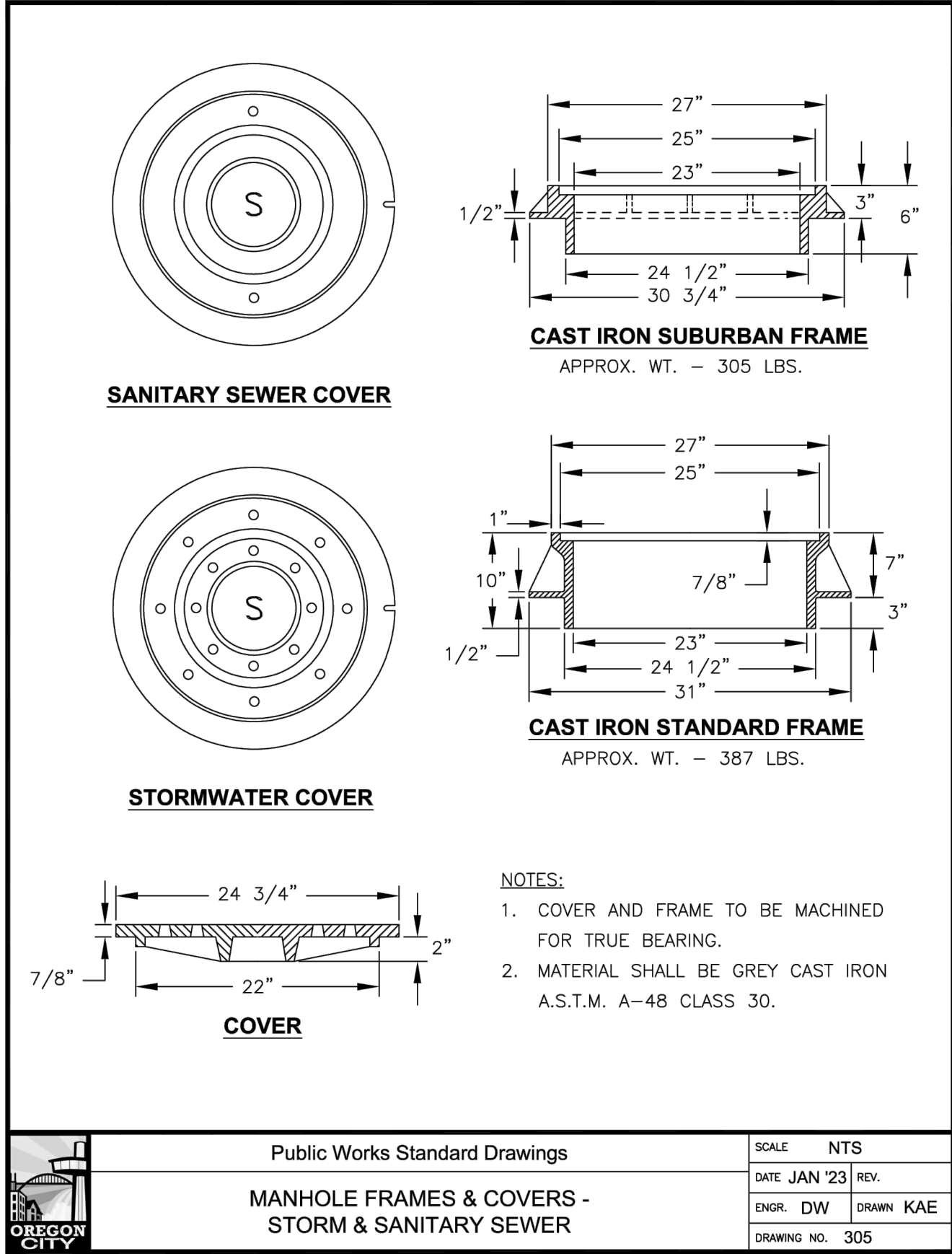
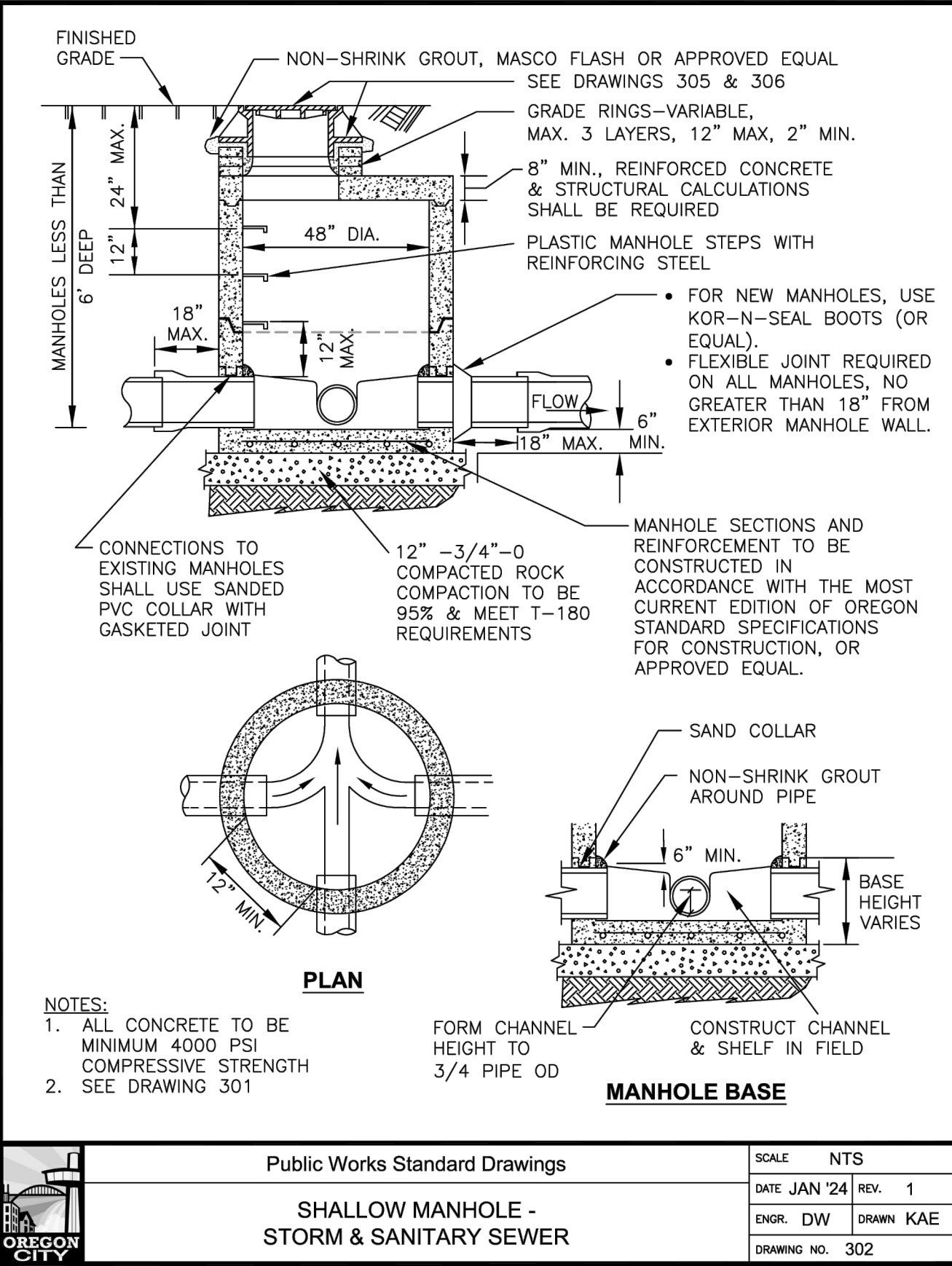
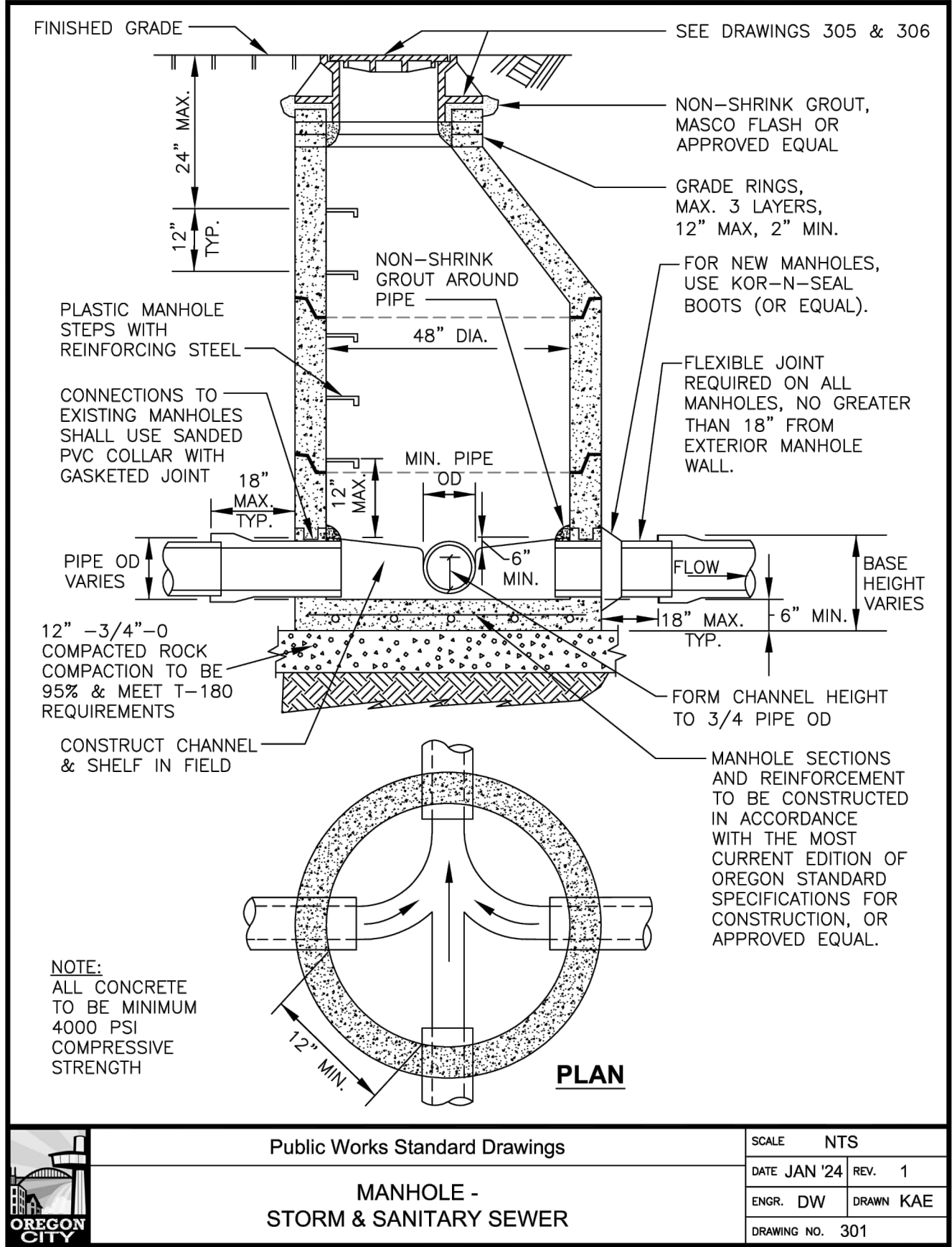
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CIVIL SITE			
FENCING AND GATE DETAILS			
PROJECT NO.:	W253326OR	SCALE:	AS SHOWN
DATE:	AUGUST 2026		

SHEET
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\\EgnyteDrive\Conisor Files\ _V-W\Projects\OR\South Fork Water\2025\W25326OR.00\12 CADD\12-5 Sheets\ODOT STANDARD DETAILS.dwg C-115 7/29/2026 10:54 AM JUSTIN.DEUEL 24.3s (LMS Tech)



NO.	DATE	BY	REVISION

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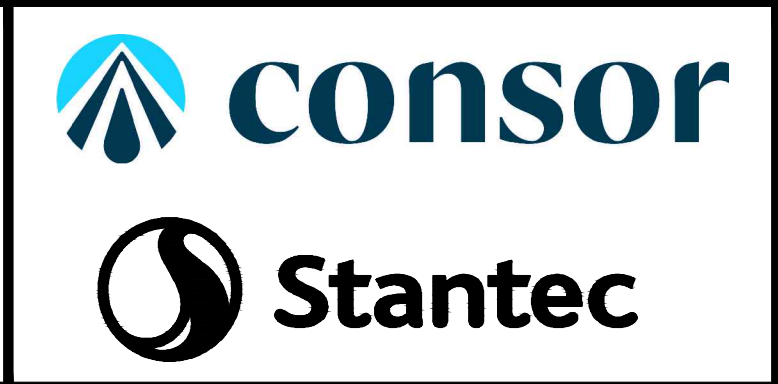
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DETAILS

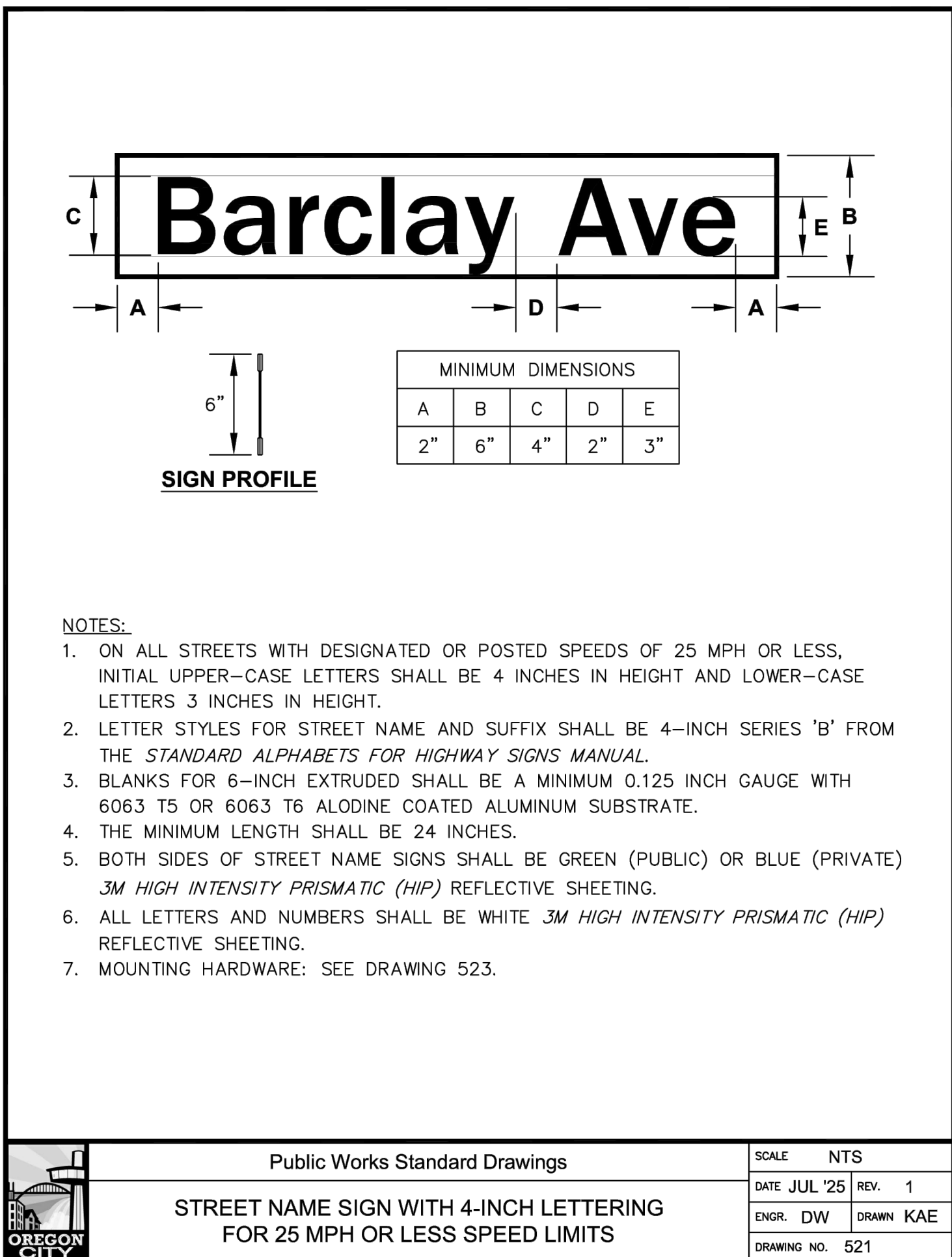
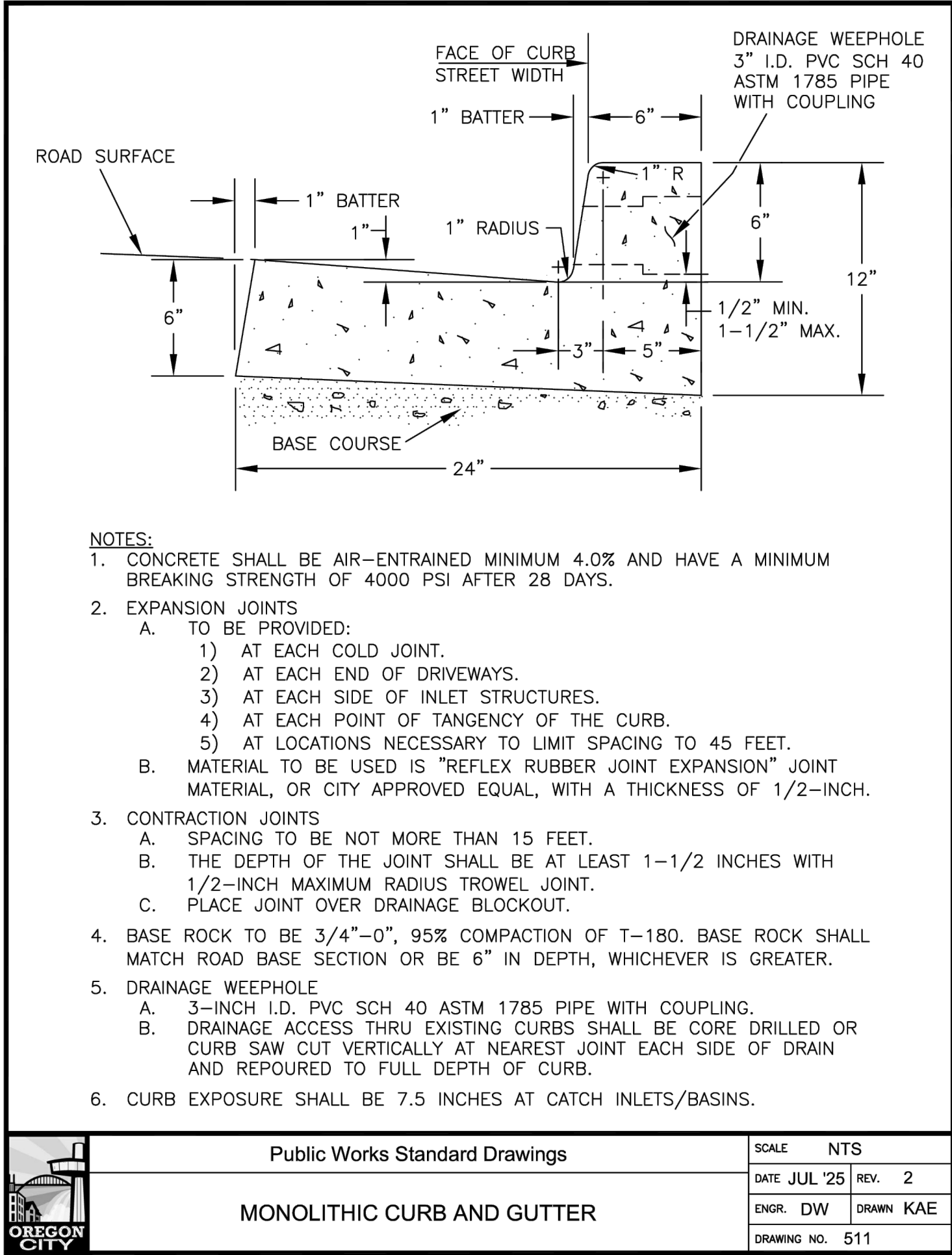
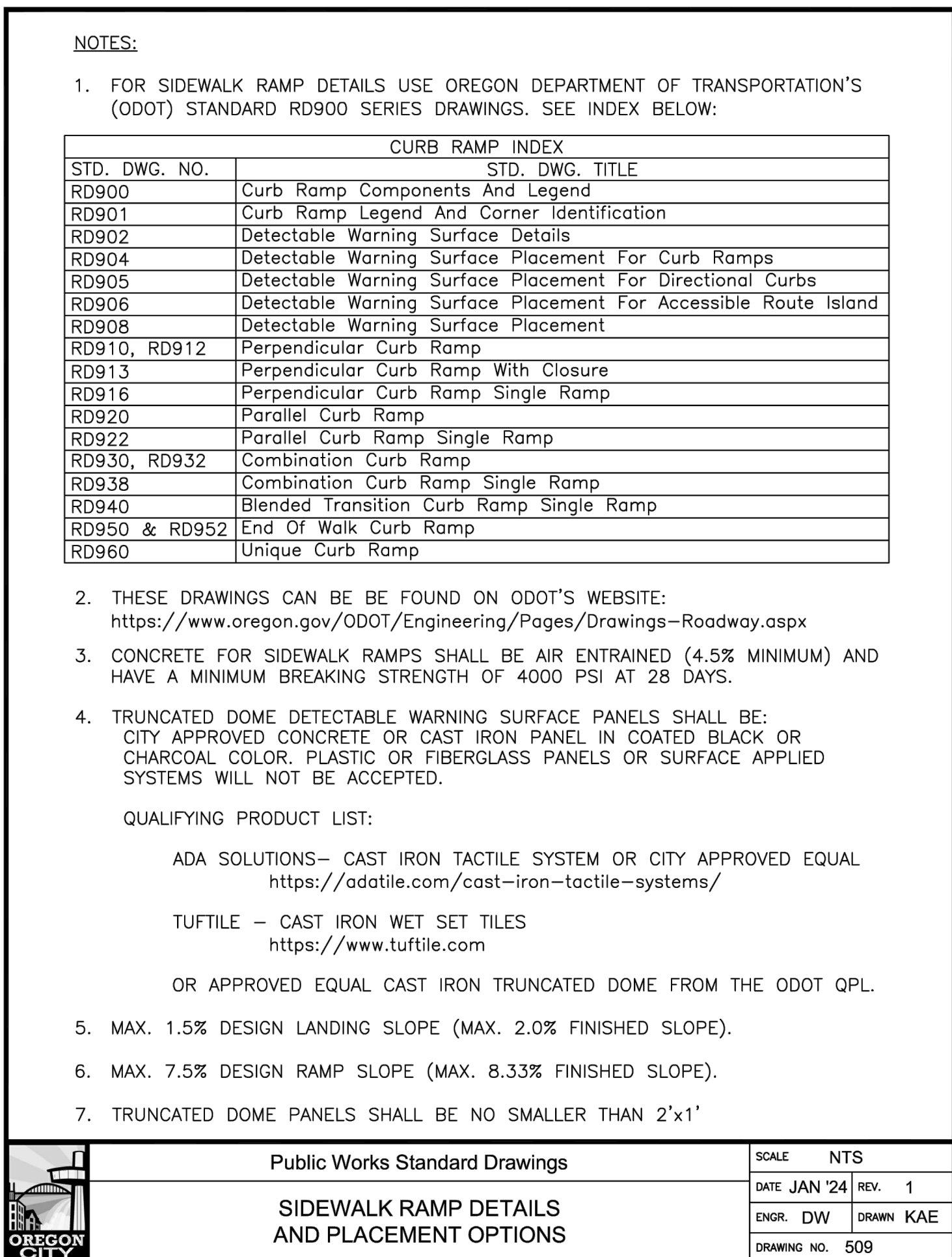
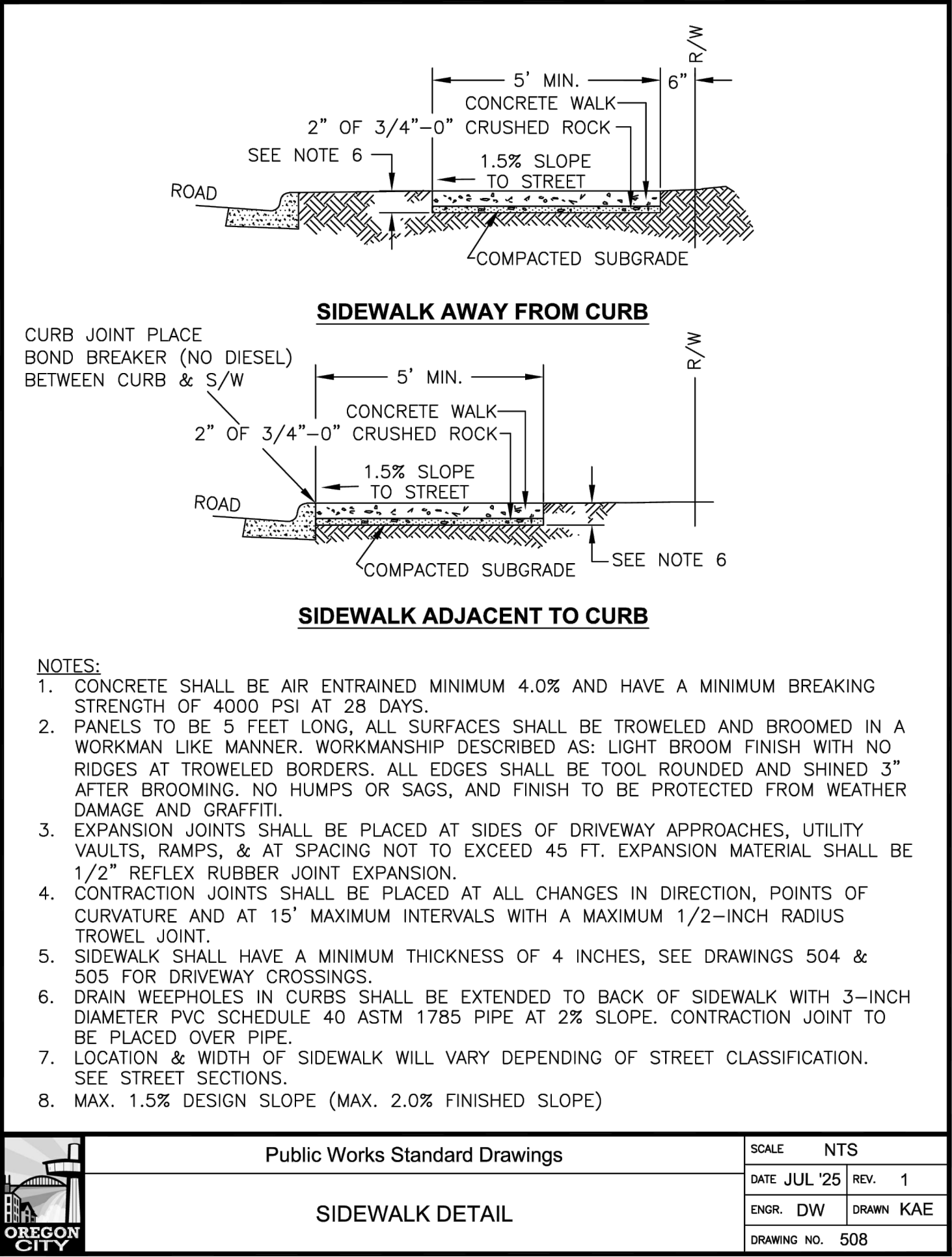
OREGON CITY STANDARD DRAWINGS

PROJECT NO.: W25326OR SCALE: AS SHOWN DATE: AUGUST 2026

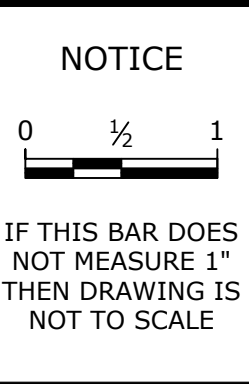
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C-115

\\EgnyteDrive\Conisor Files_-V-W\Projects\OR\South Fork Water\2025\W253326OR.00\12 CADD\12-5 Sheets\ODOT STANDARD DETAILS.dwg C-117 7/29/2026 10:54 AM JUSTIN DEUEL 24.3s (LMS Tech)



NO.	DATE	BY	REVISION



KKS	DESIGNED
MDP	DRAWN
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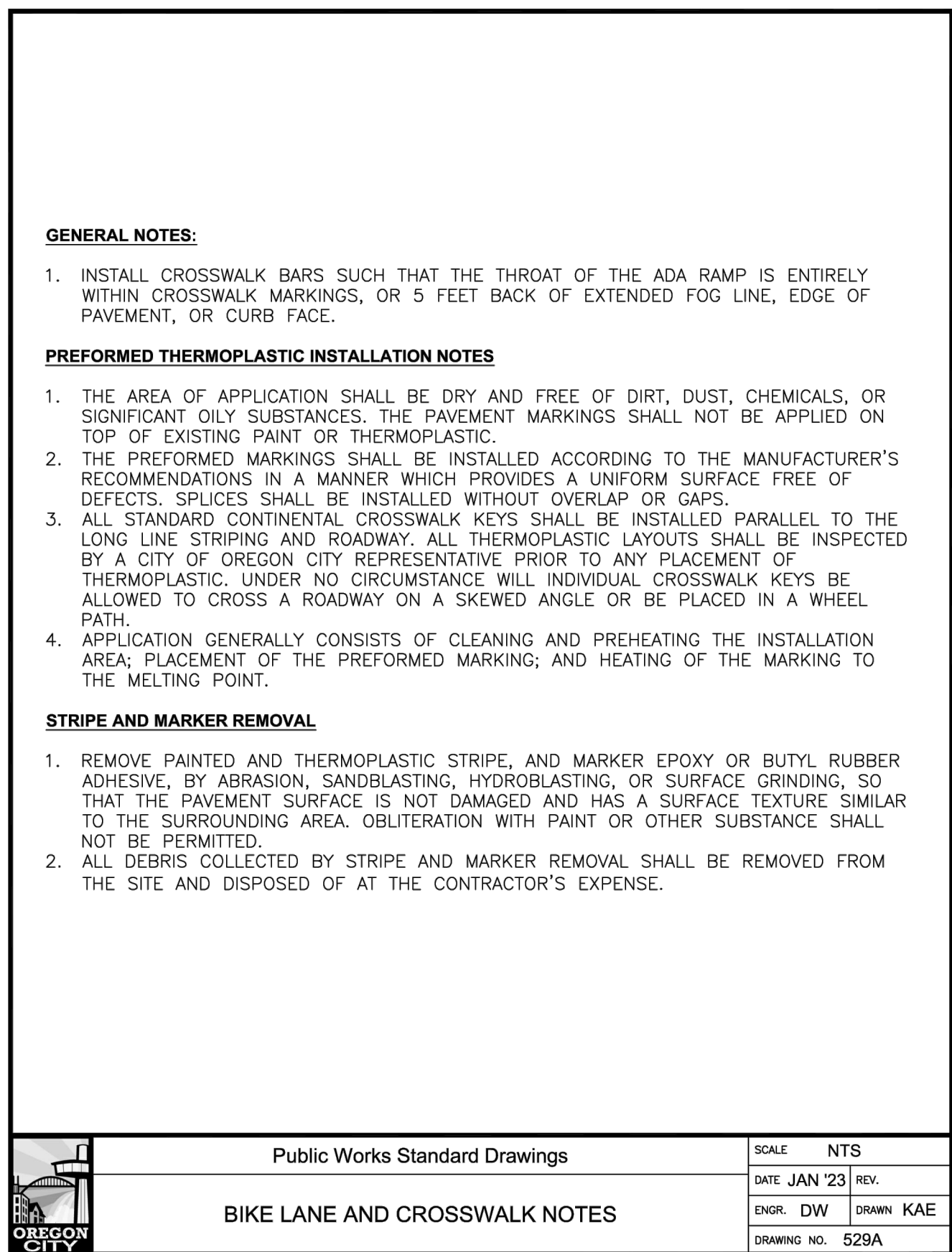
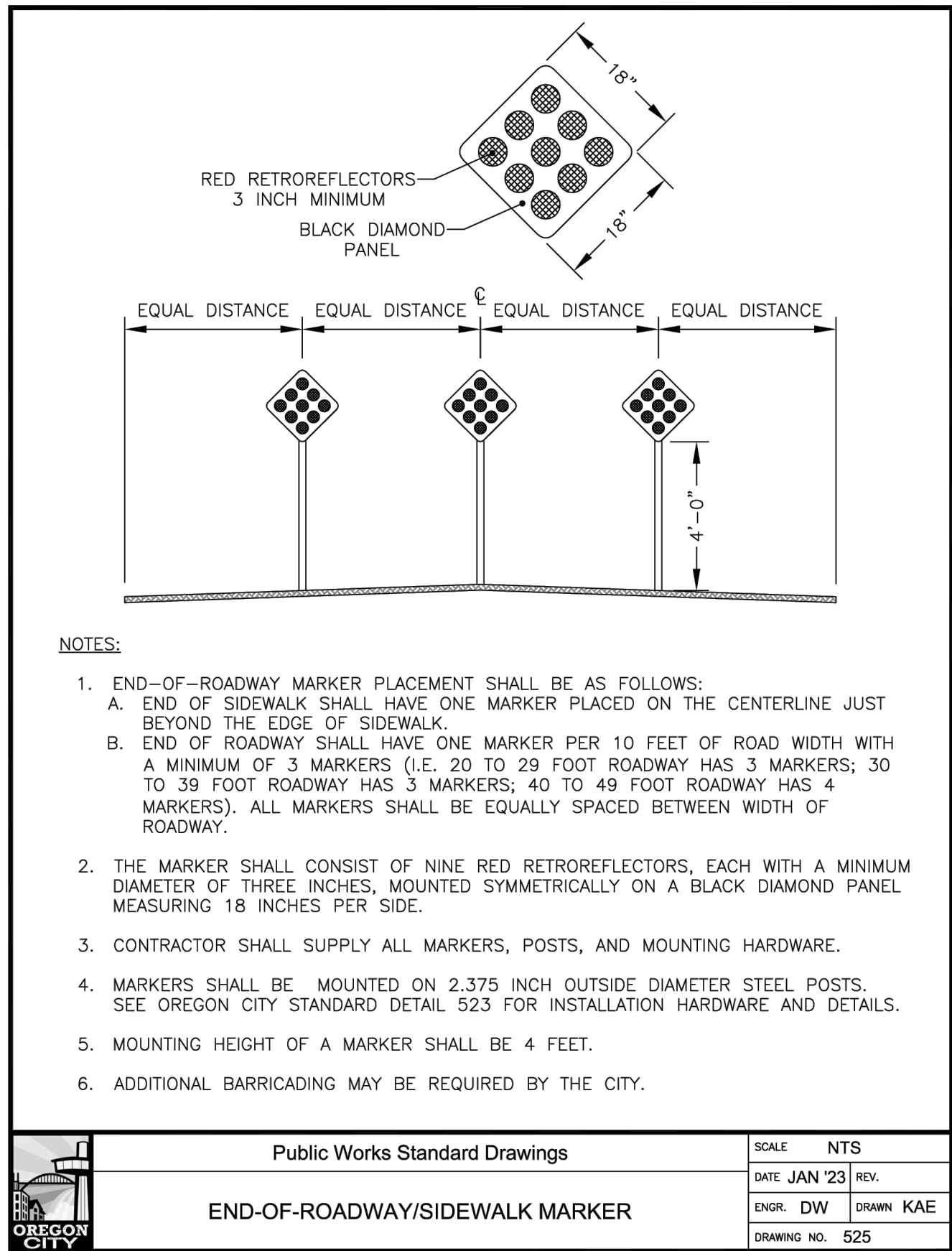
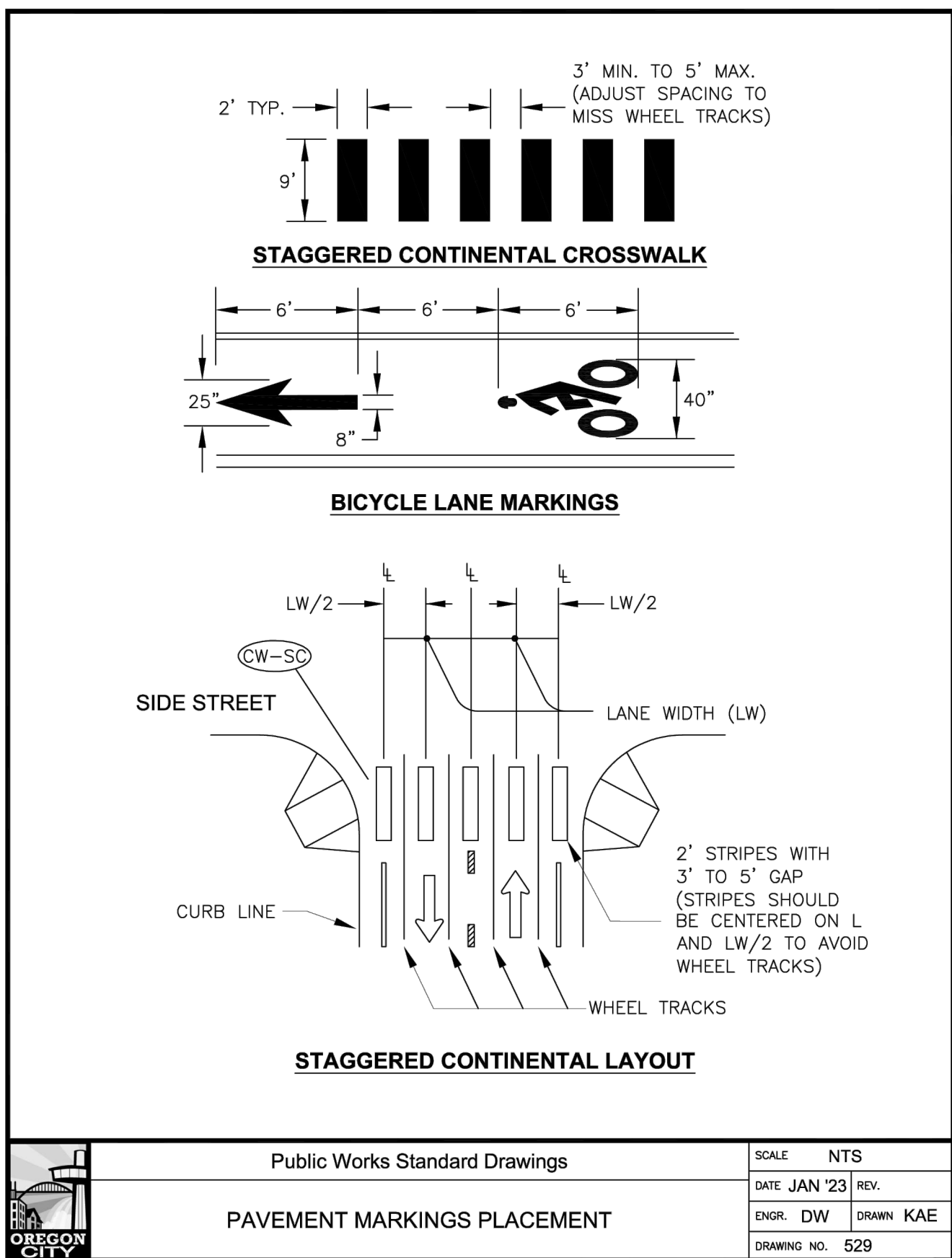
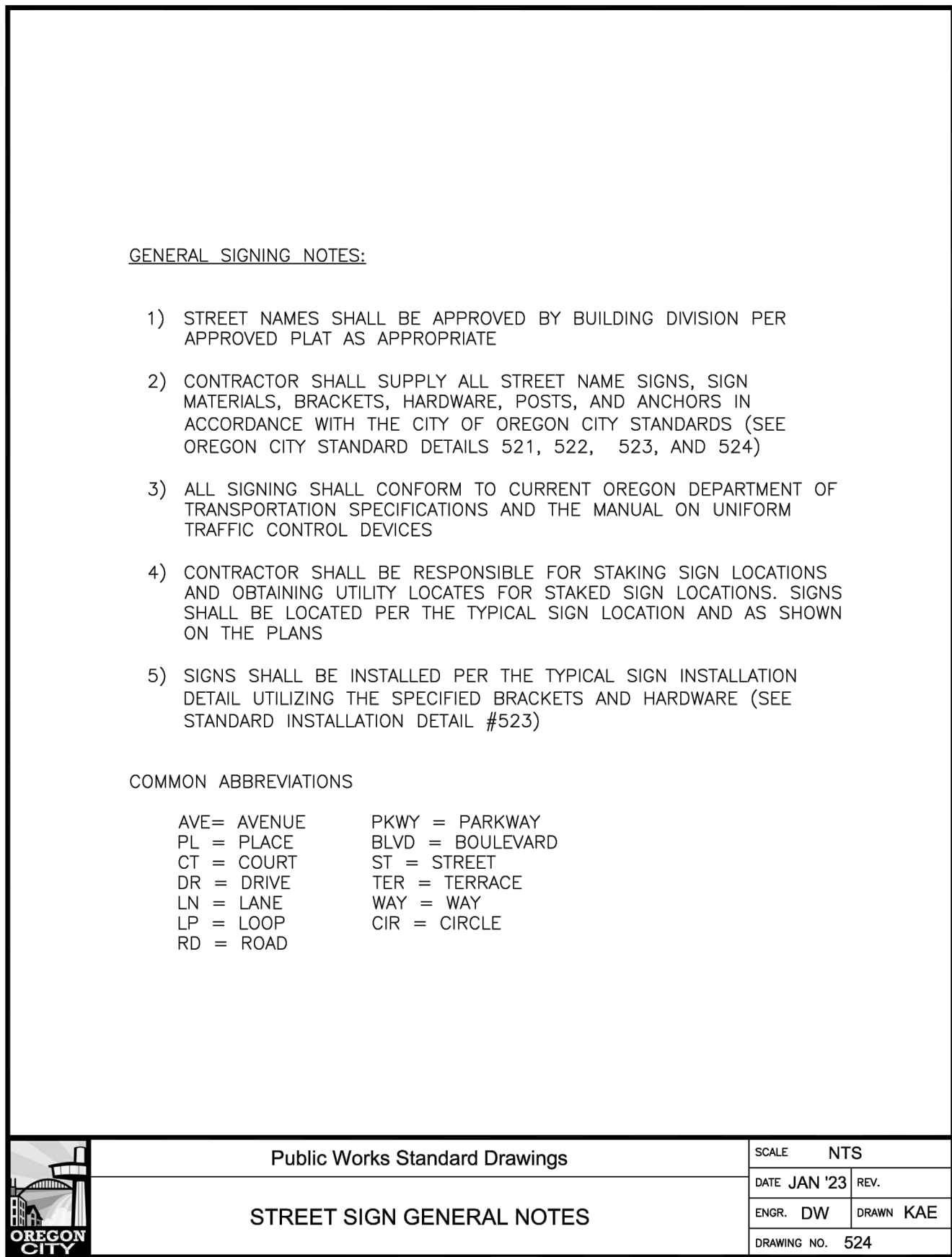
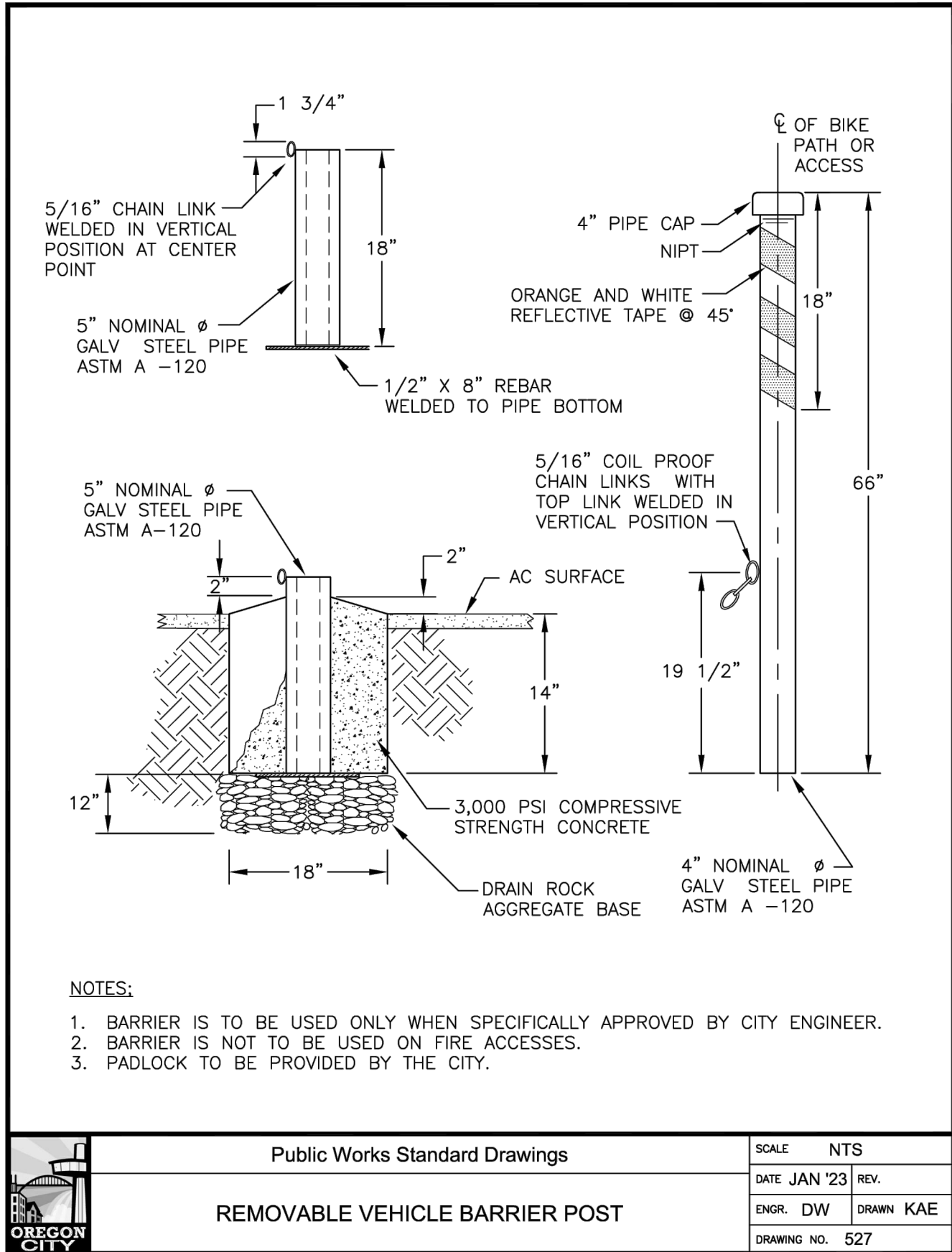
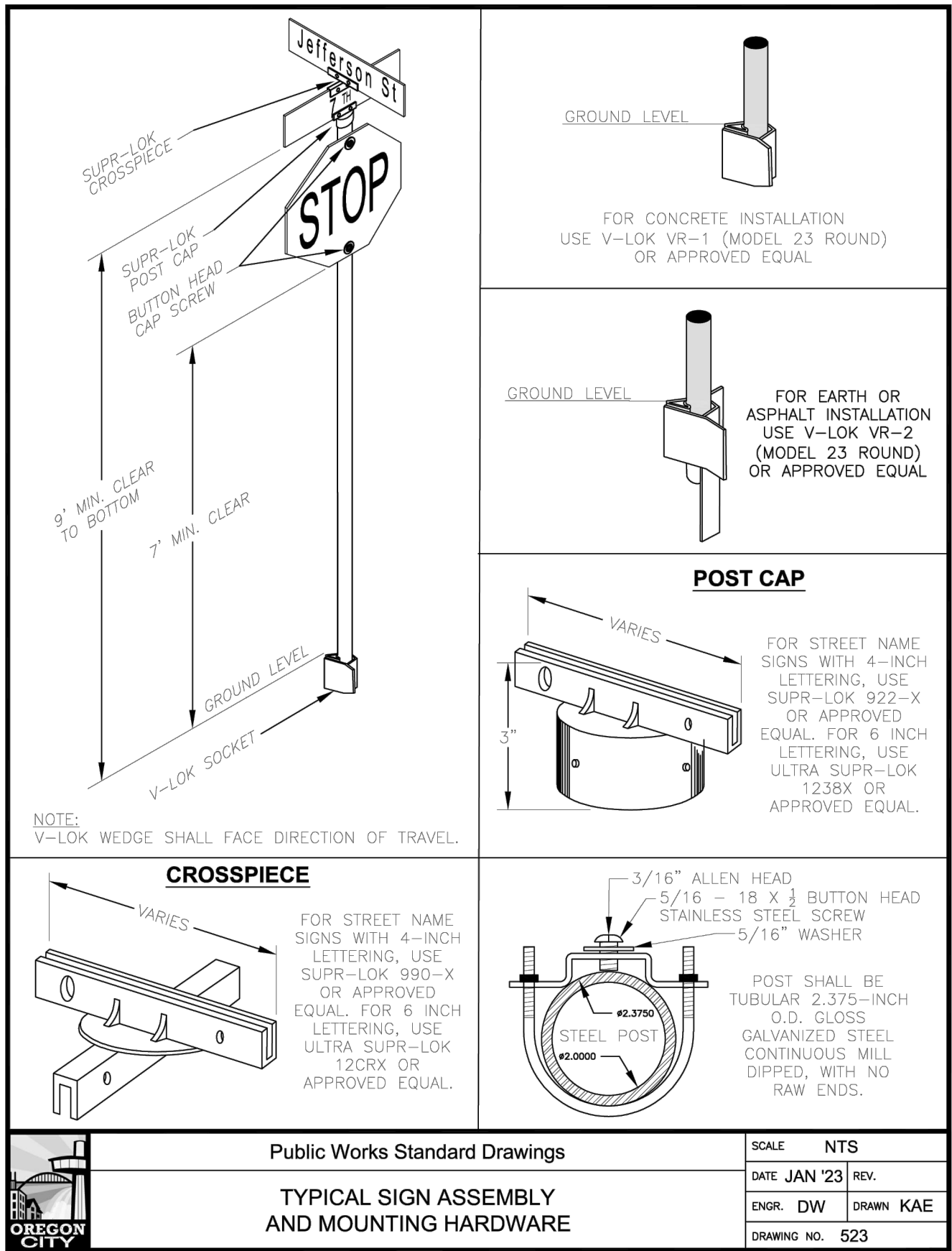
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DETAILS			
OREGON CITY STANDARD DRAWINGS			
PROJECT NO.:	W253326OR	SCALE:	AS SHOWN
DATE:	AUGUST 2026		

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NOTICE

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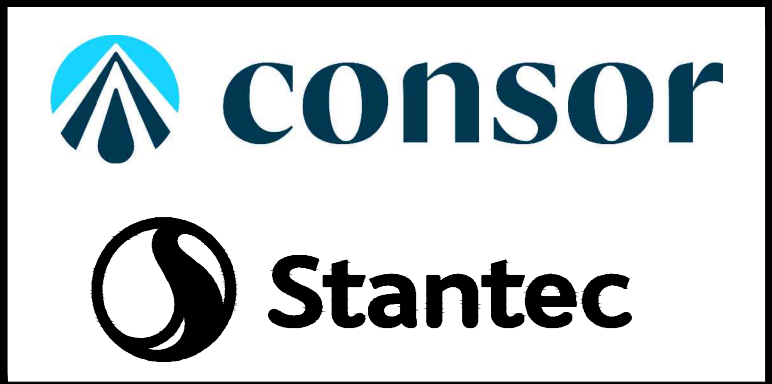
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IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

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DETAILS

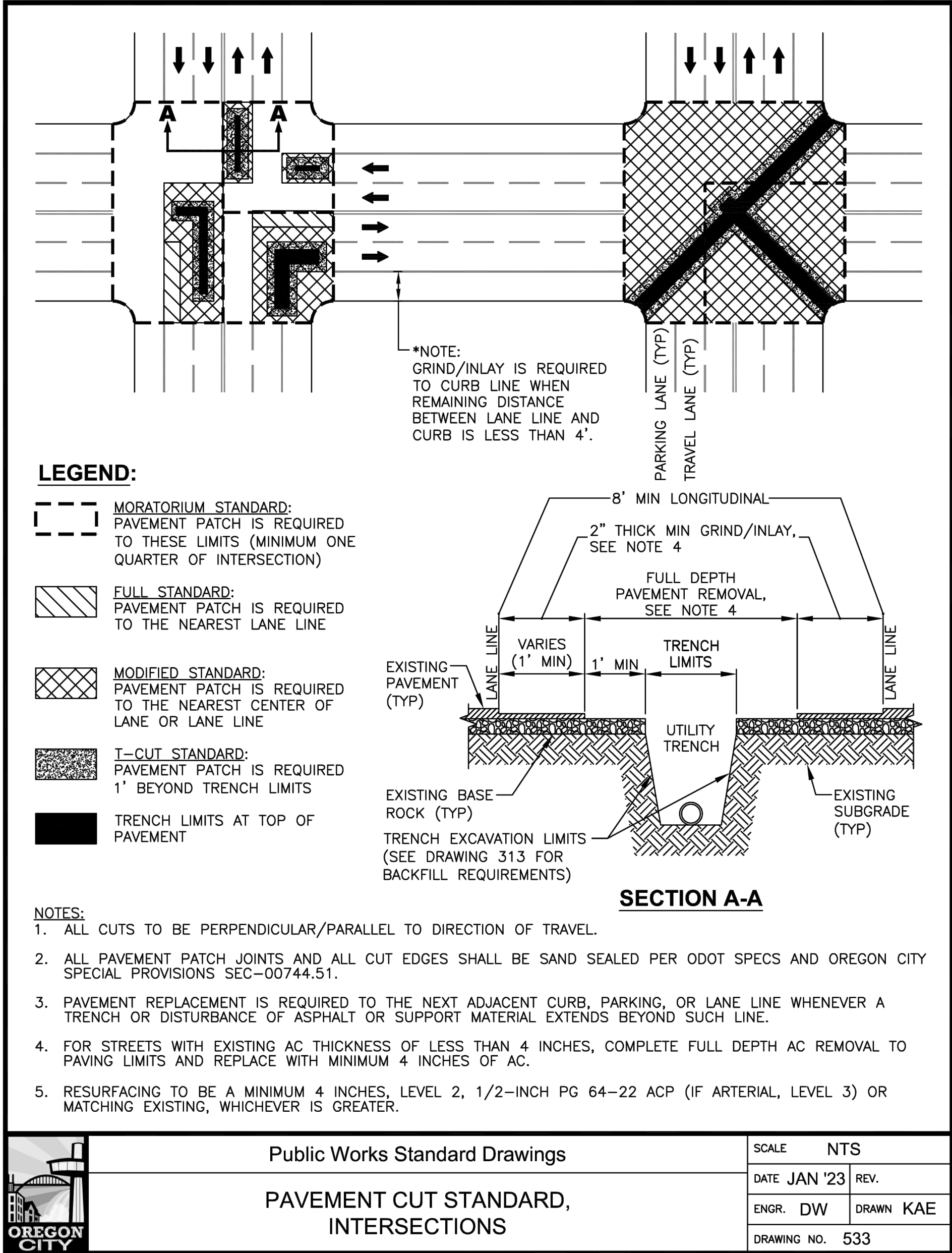
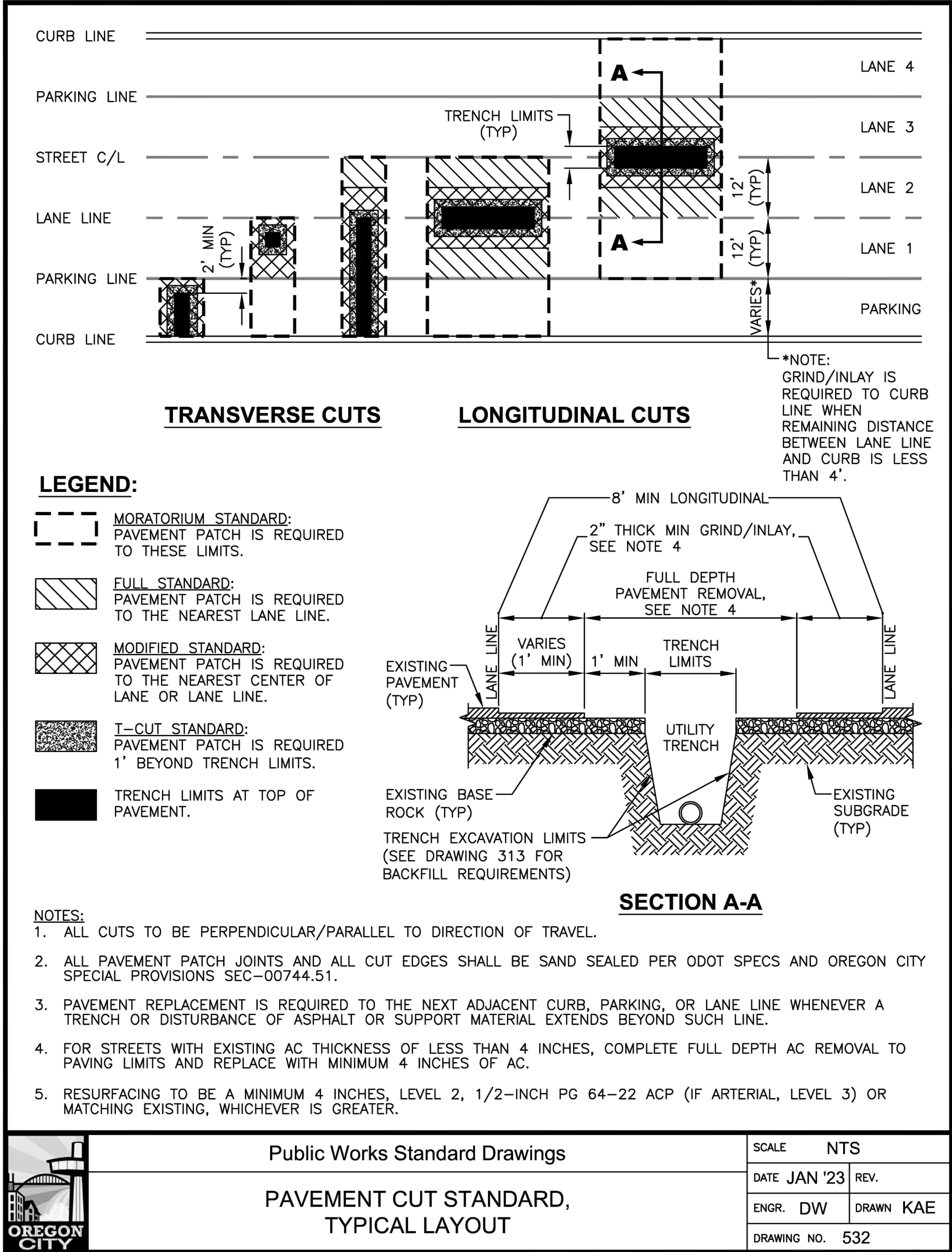
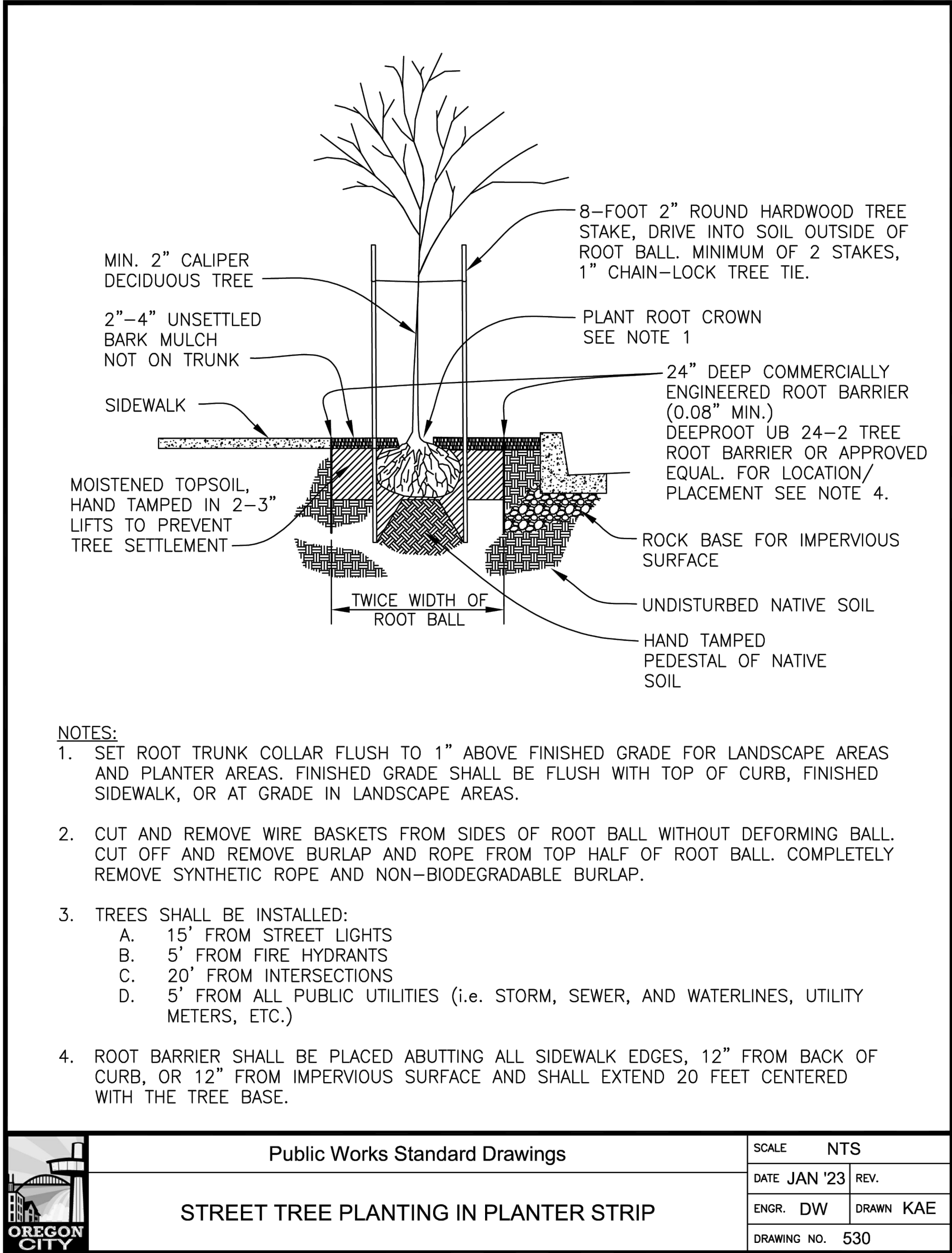
OREGON CITY STANDARD DRAWINGS

PROJECT NO.: W25326OR

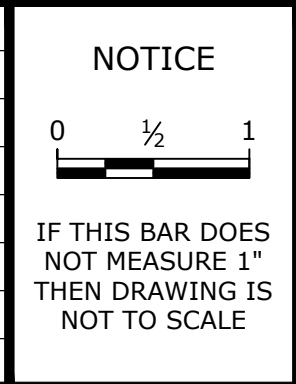
SCALE: AS SHOWN

DATE: AUGUST 2026

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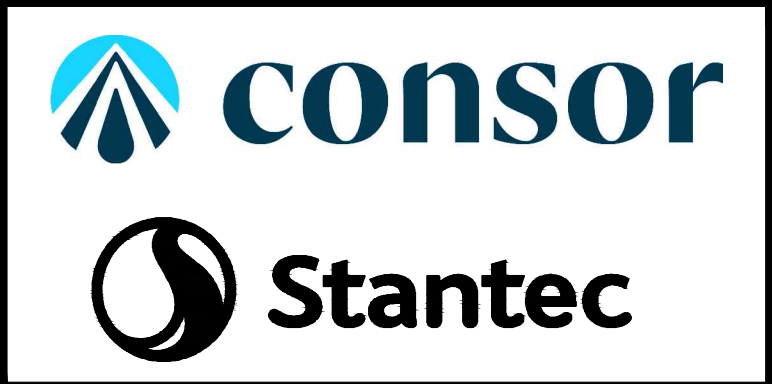
NO.	DATE	BY	REVISION



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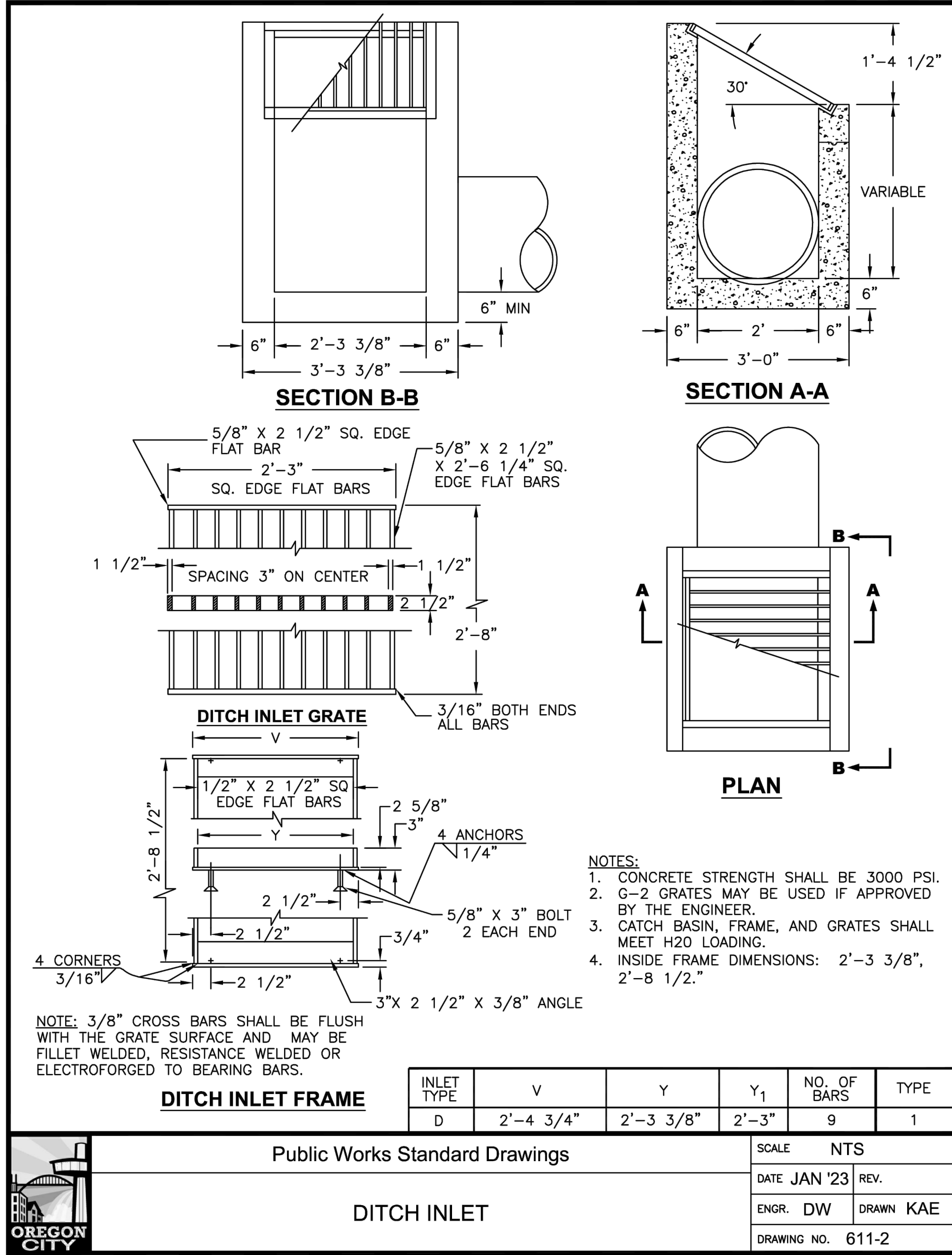
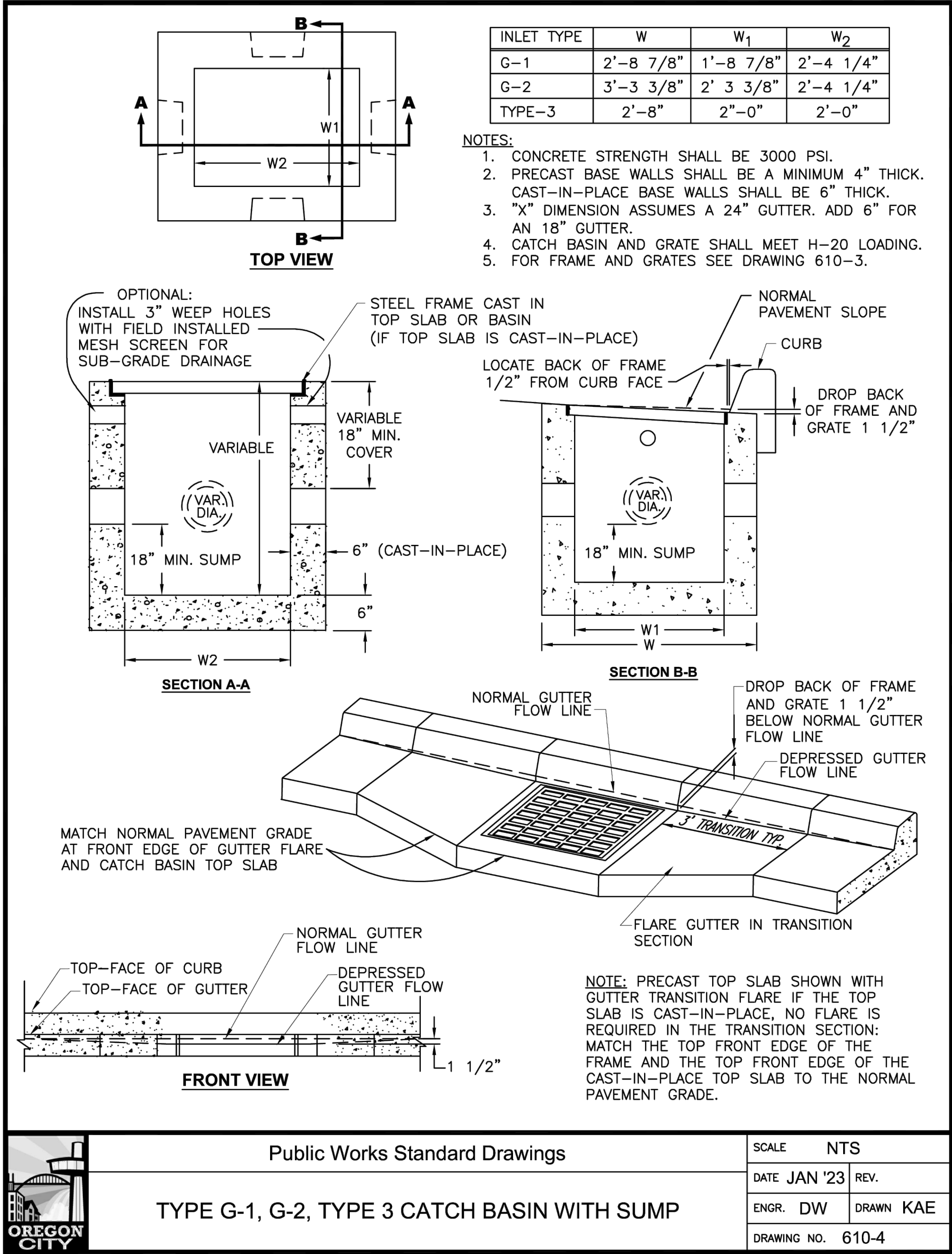
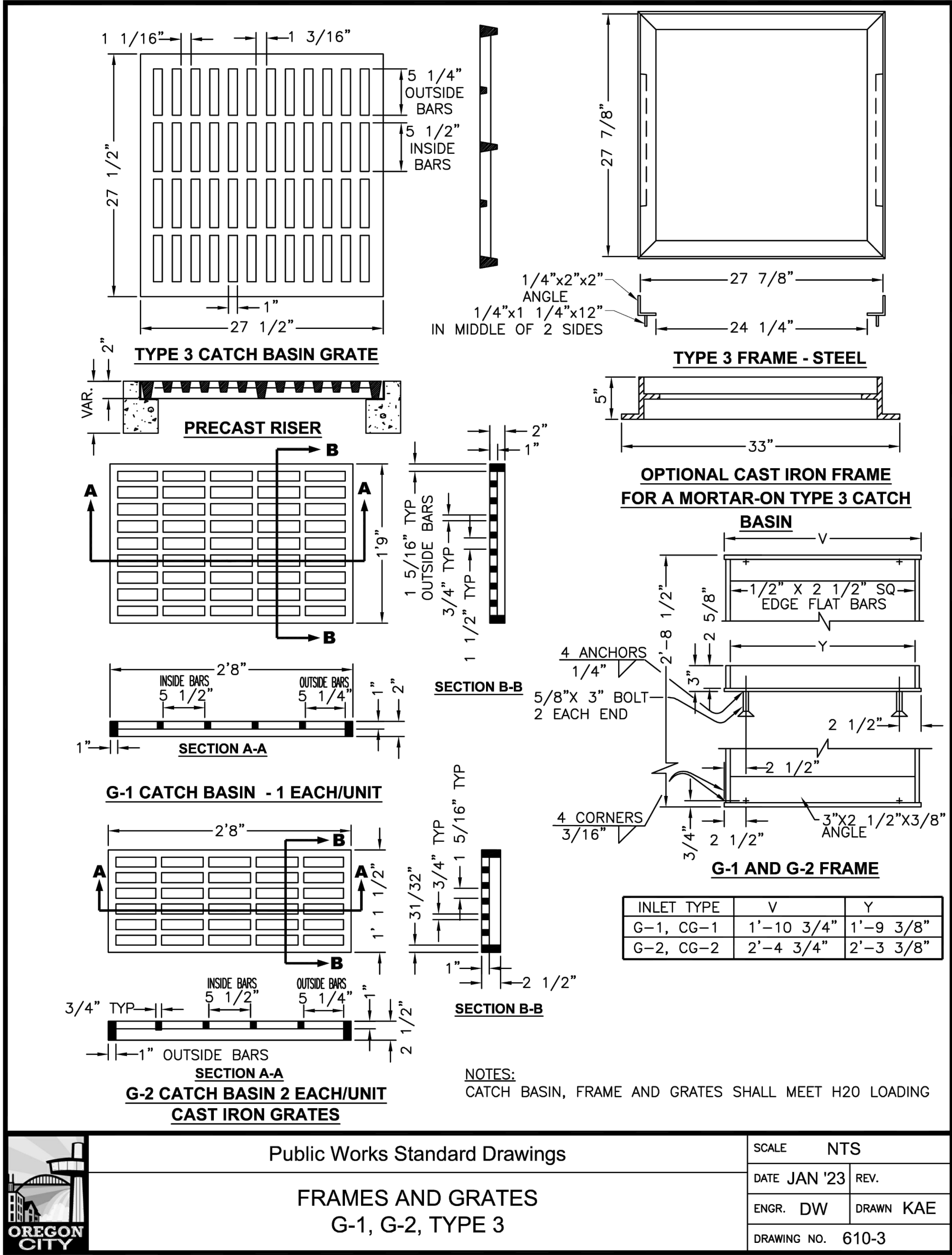


DETAILS			
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PROJECT NO.:	W253326OR	SCALE:	AS SHOWN
DATE:	AUGUST 2026		

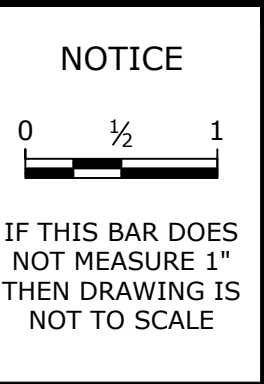
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C-119

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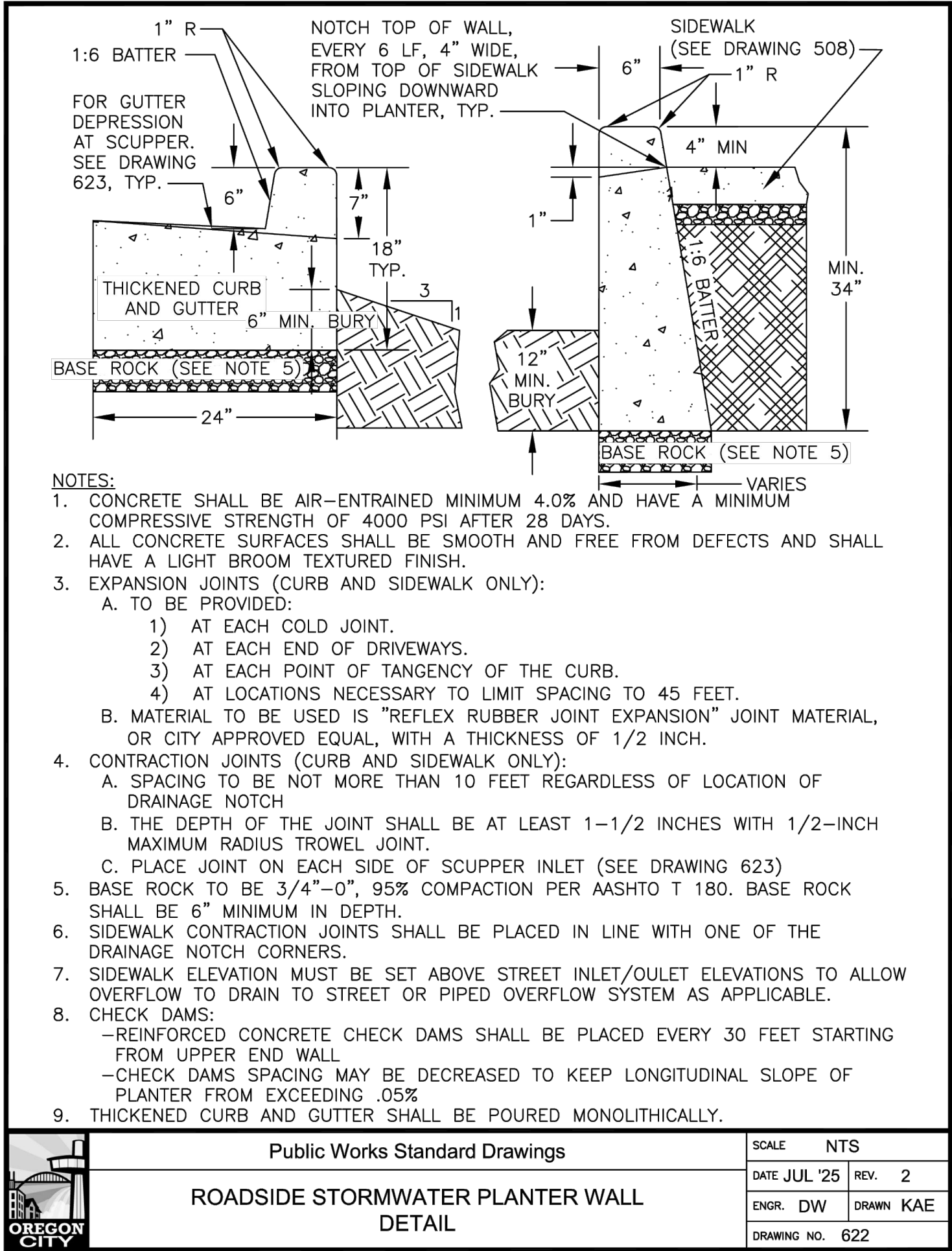
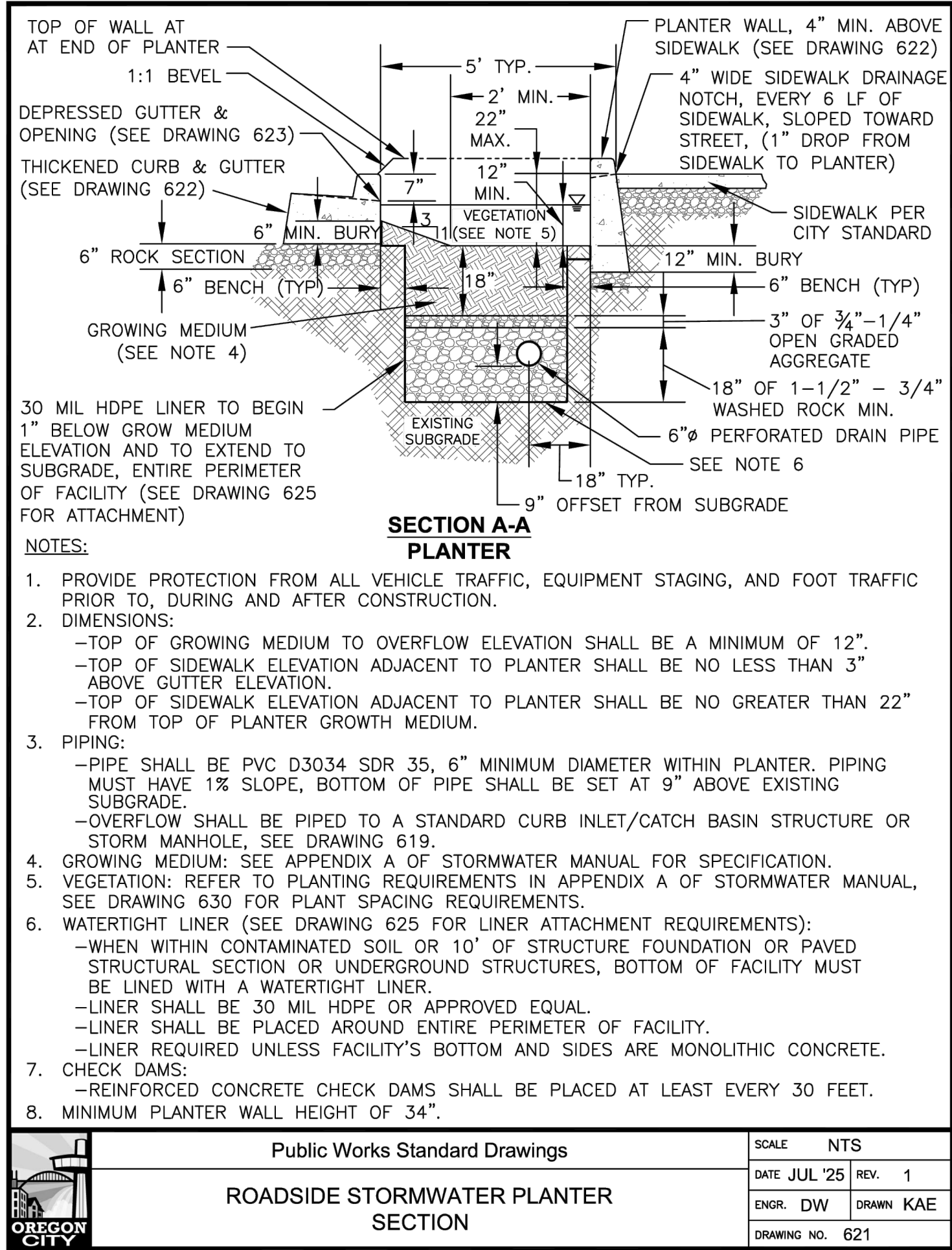
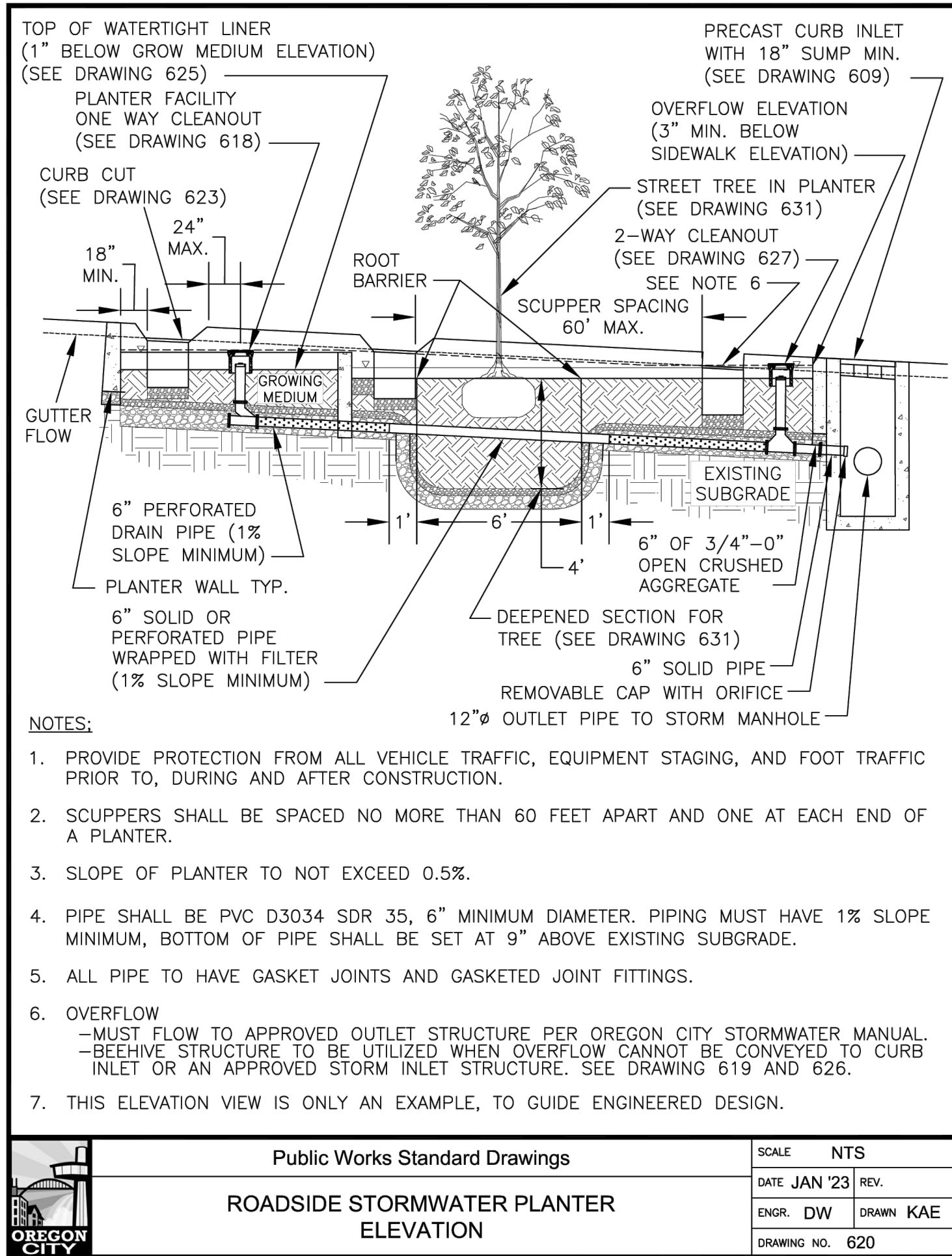
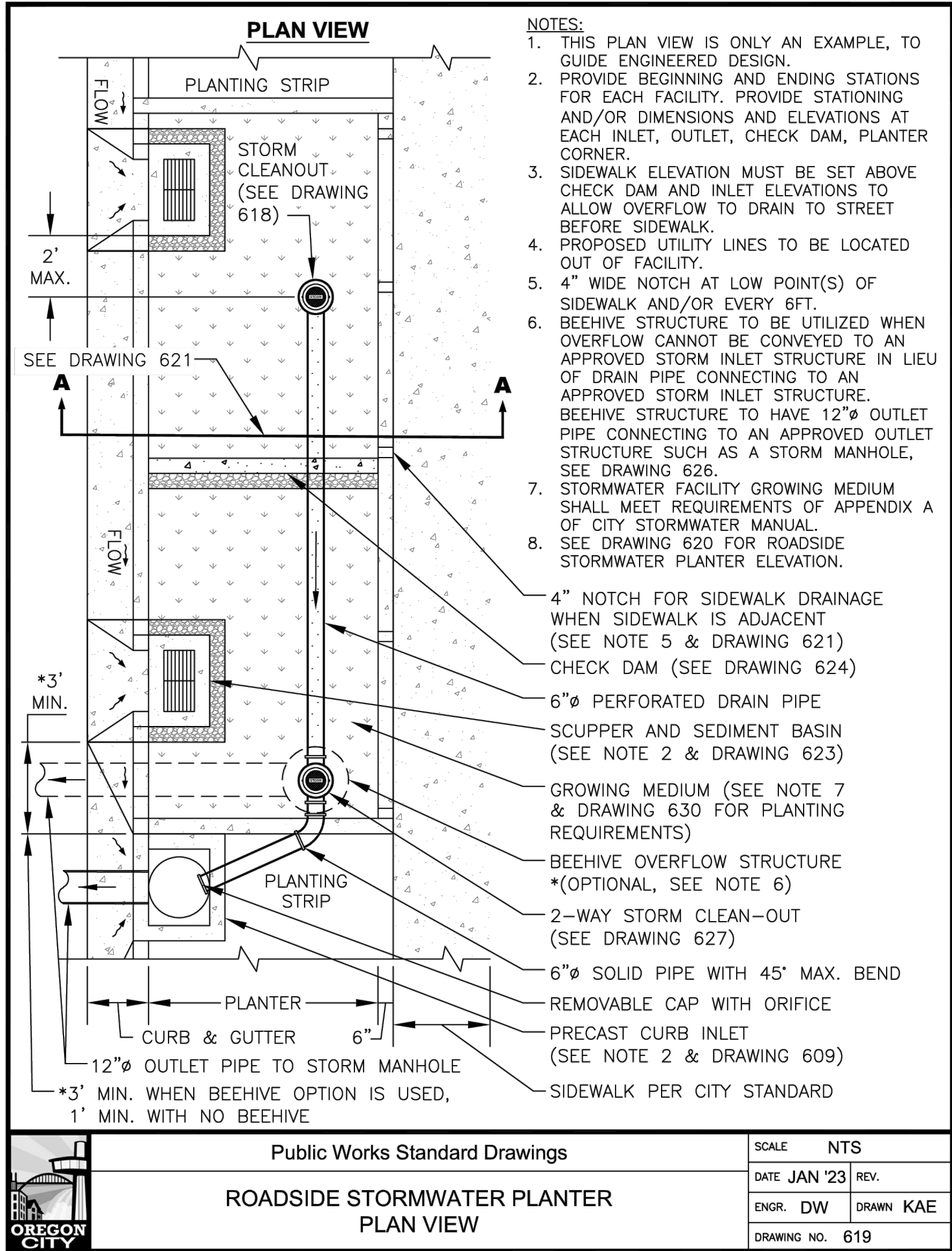


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OREGON CITY STANDARD DRAWINGS			
PROJECT NO.:	W25326OR	SCALE:	AS SHOWN
DATE:	AUGUST 2026		

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NOTICE

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DETAILS

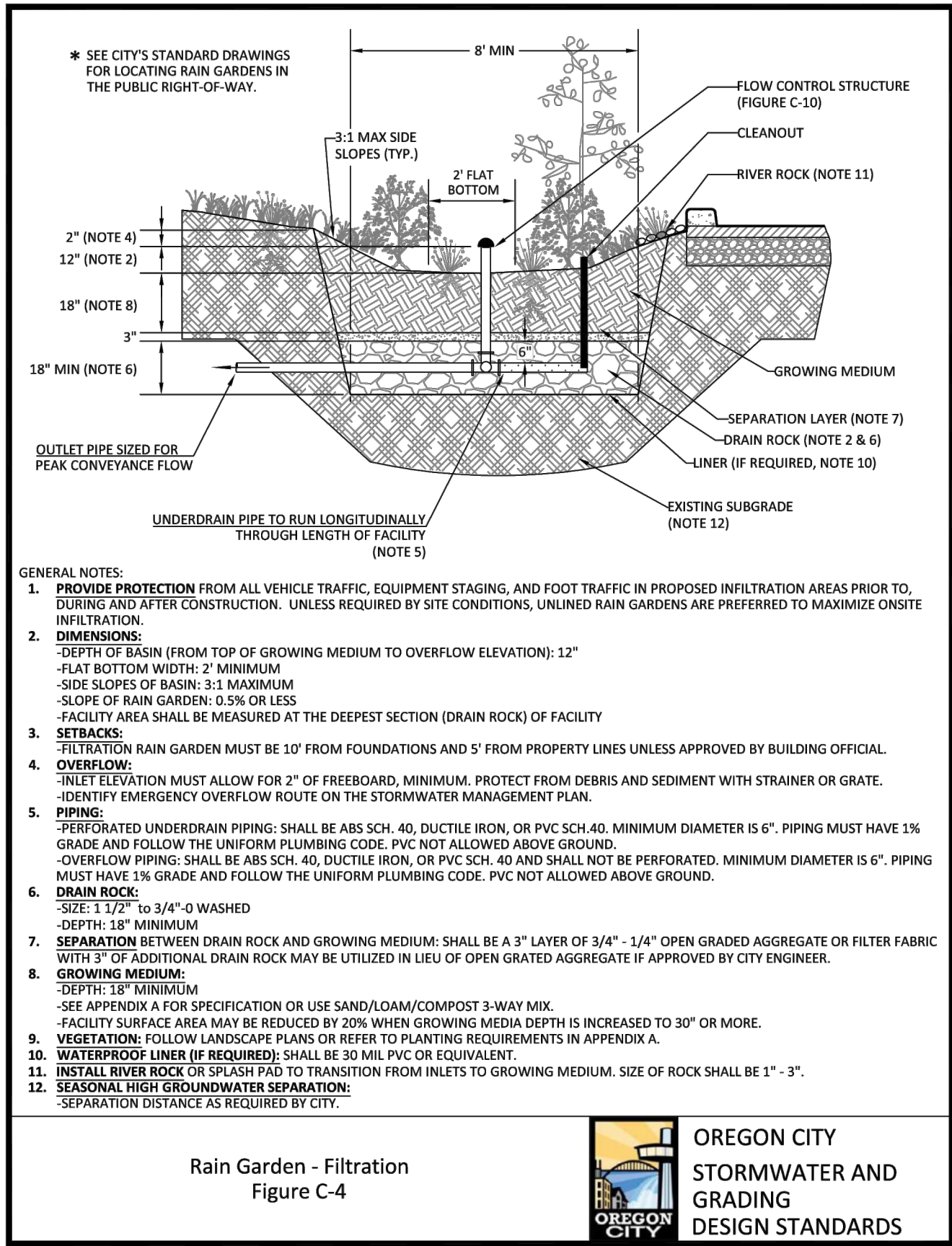
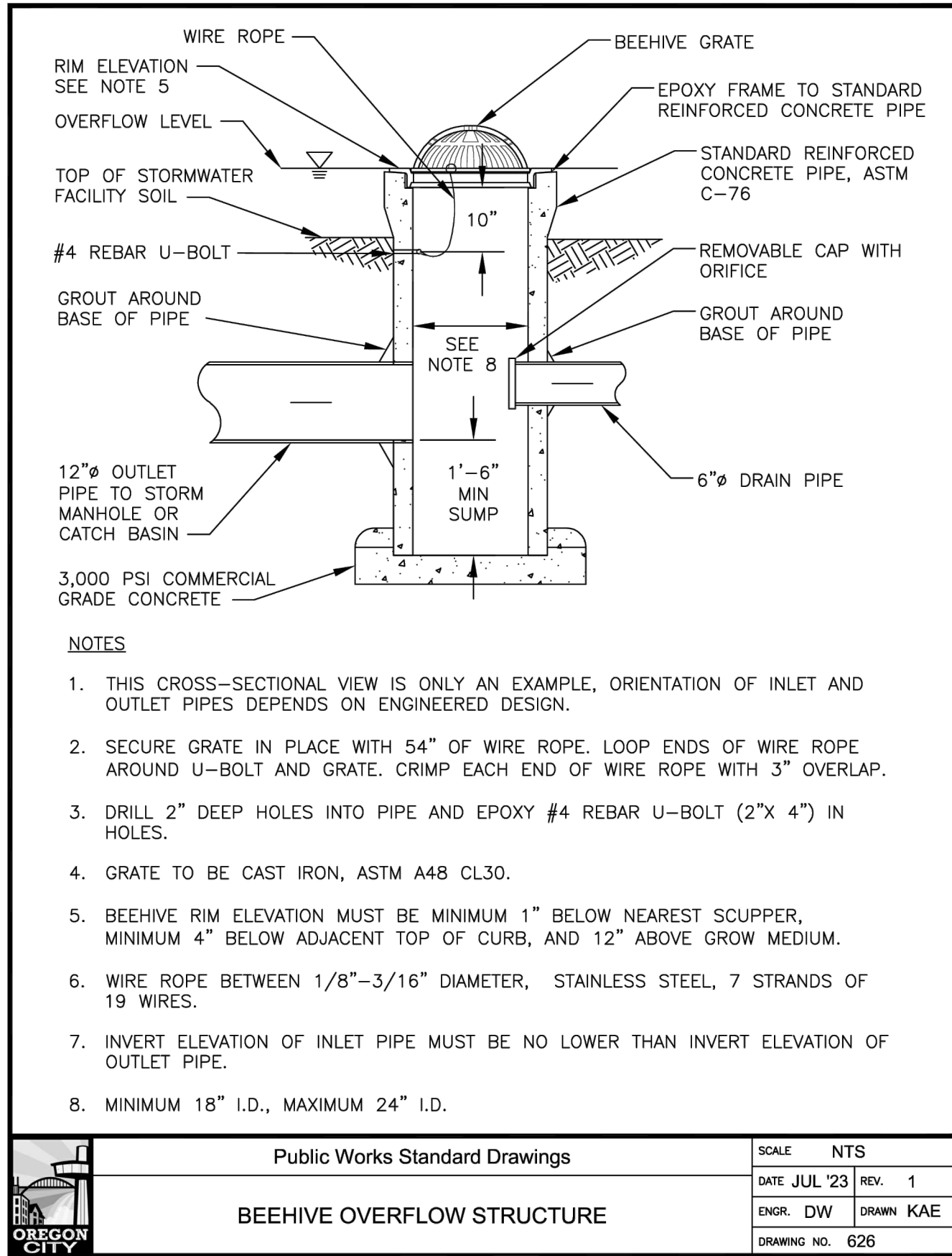
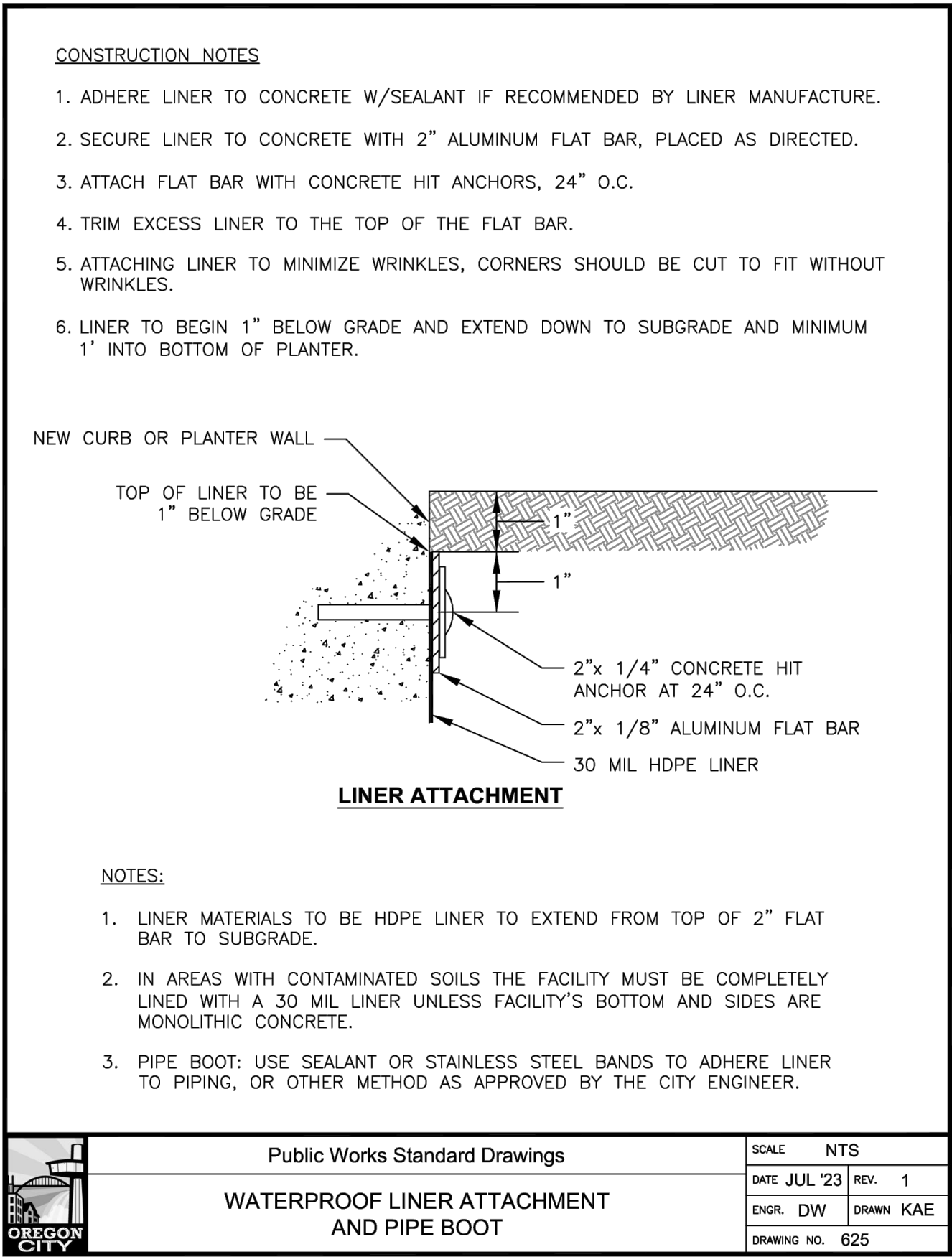
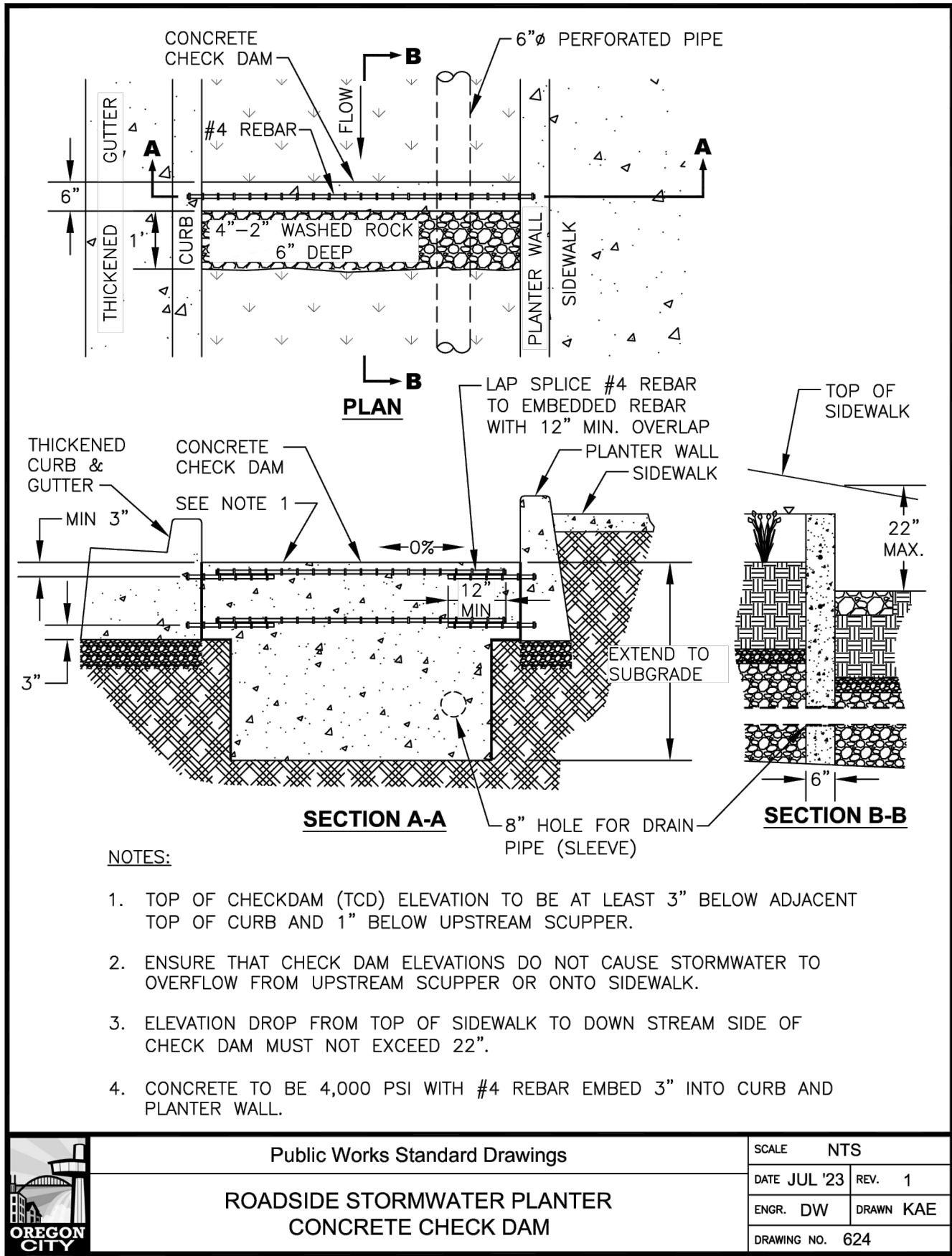
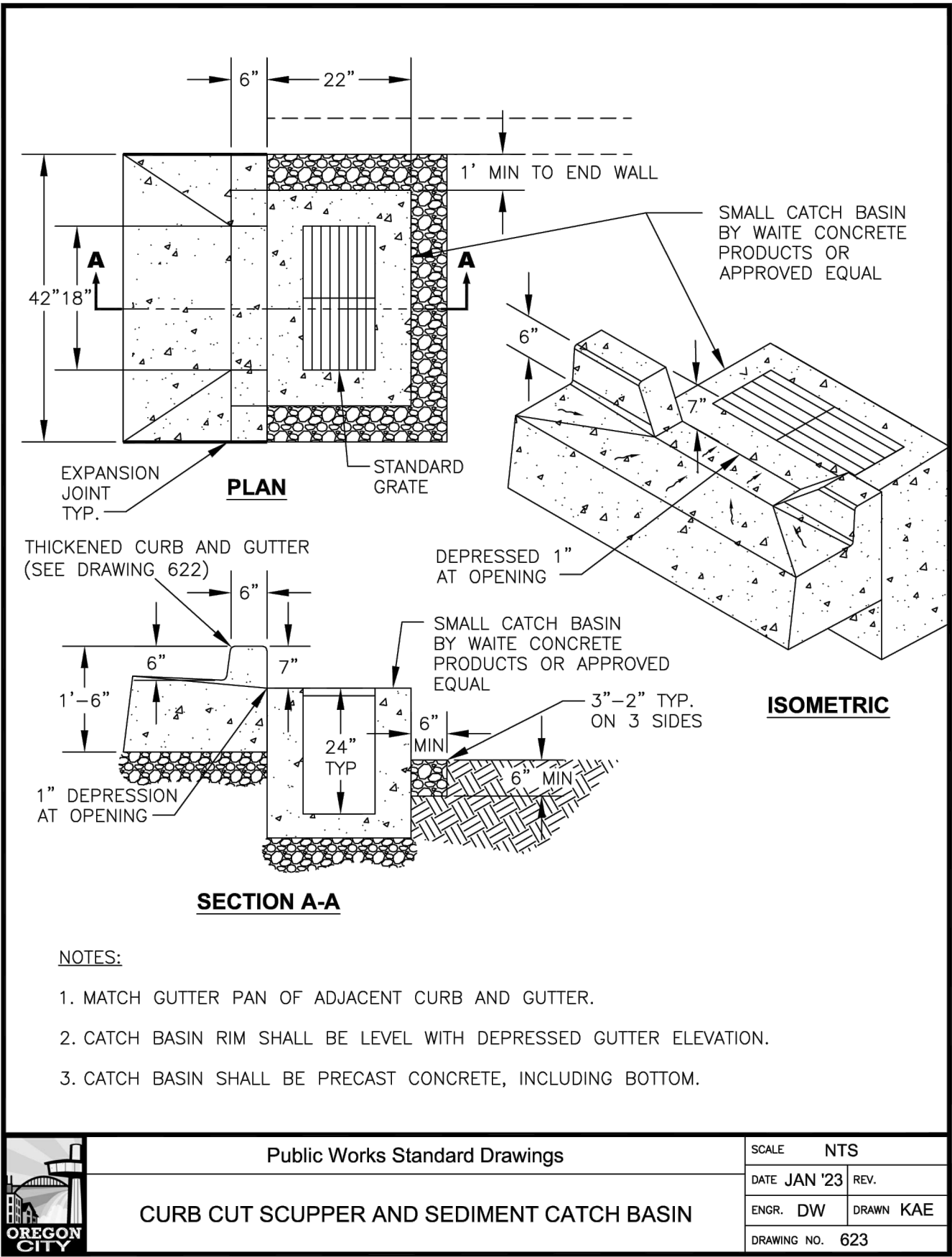
OREGON CITY STANDARD DRAWINGS

PROJECT NO.: W253326OR SCALE: AS SHOWN DATE: AUGUST 2026

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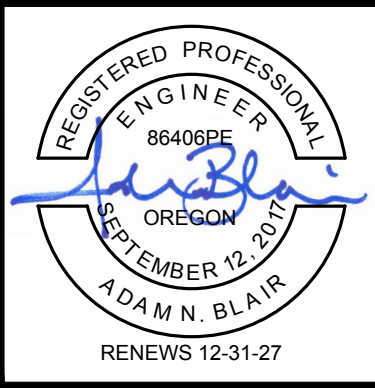
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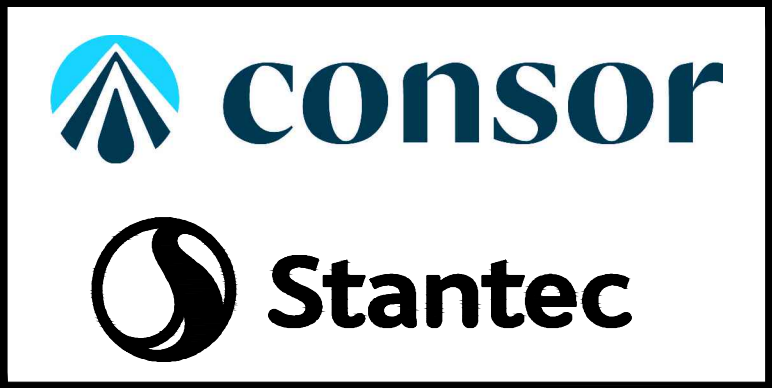
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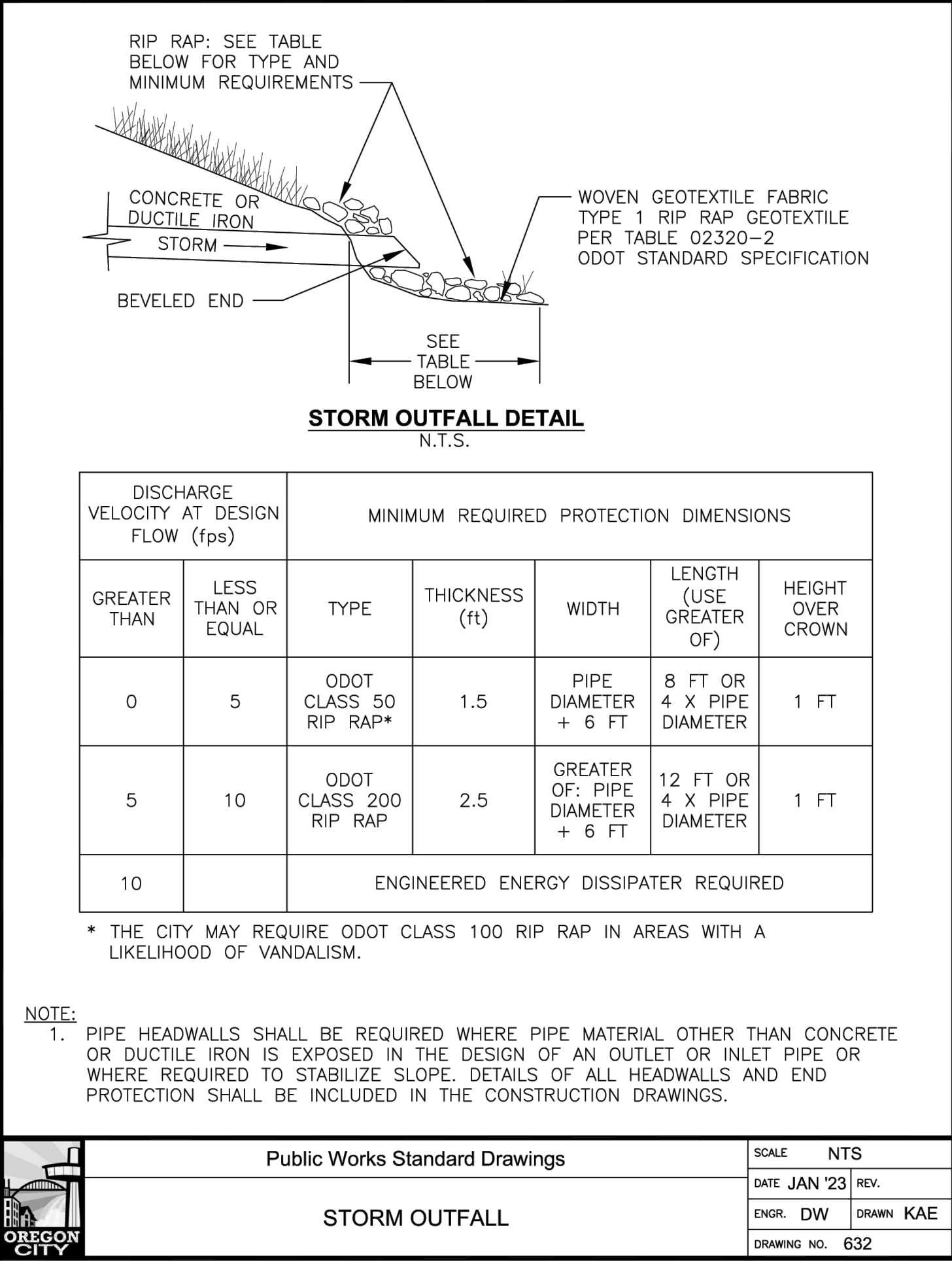
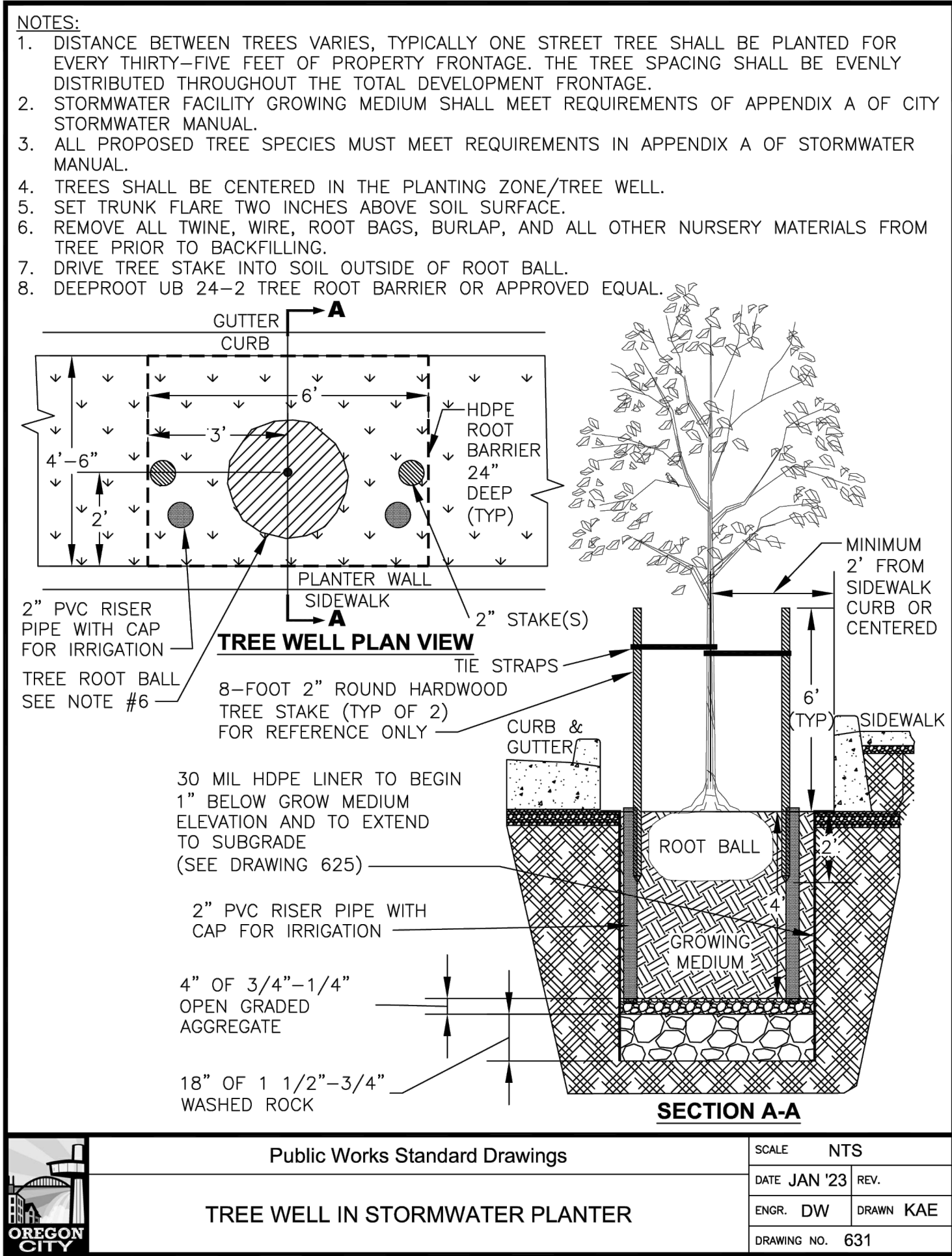
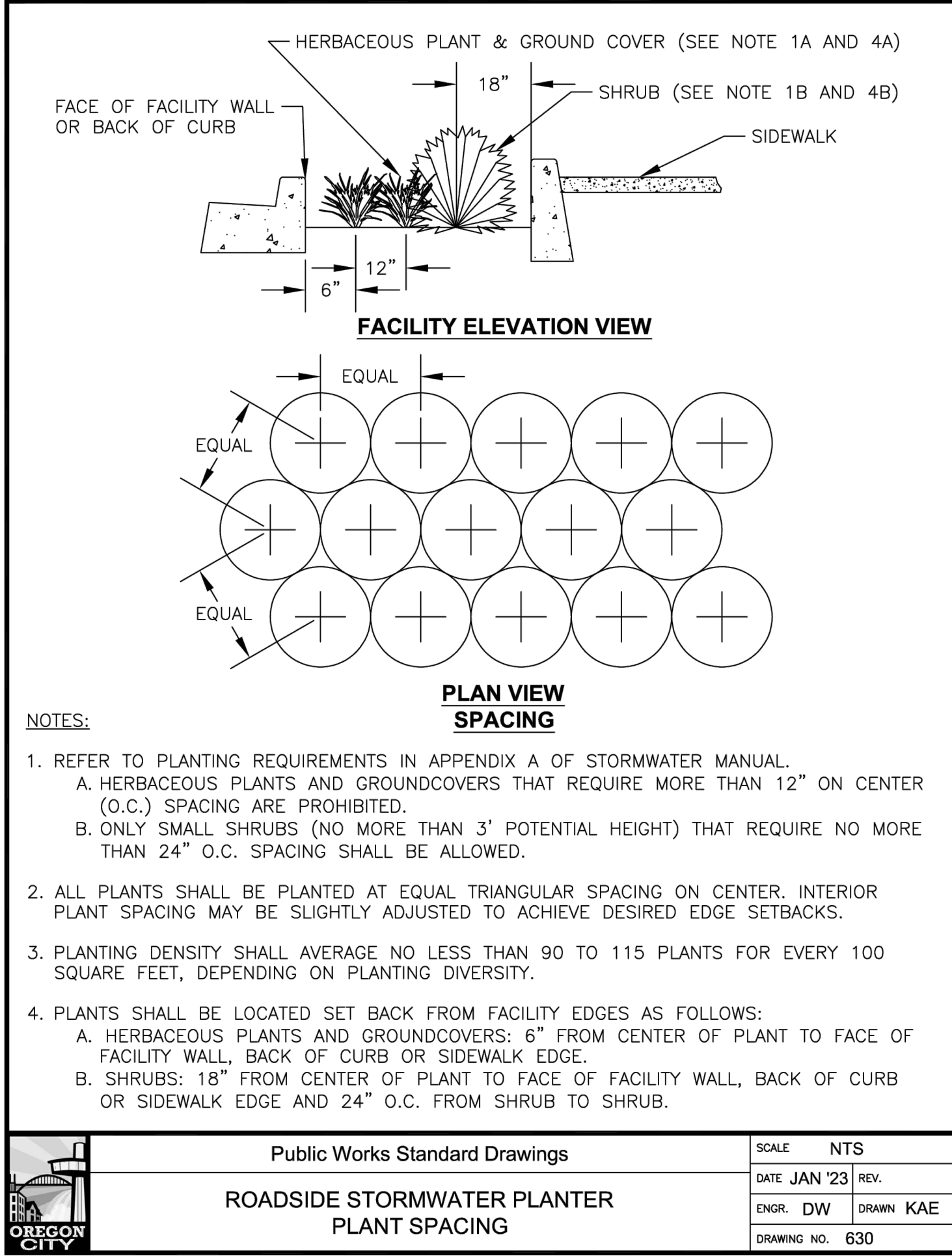
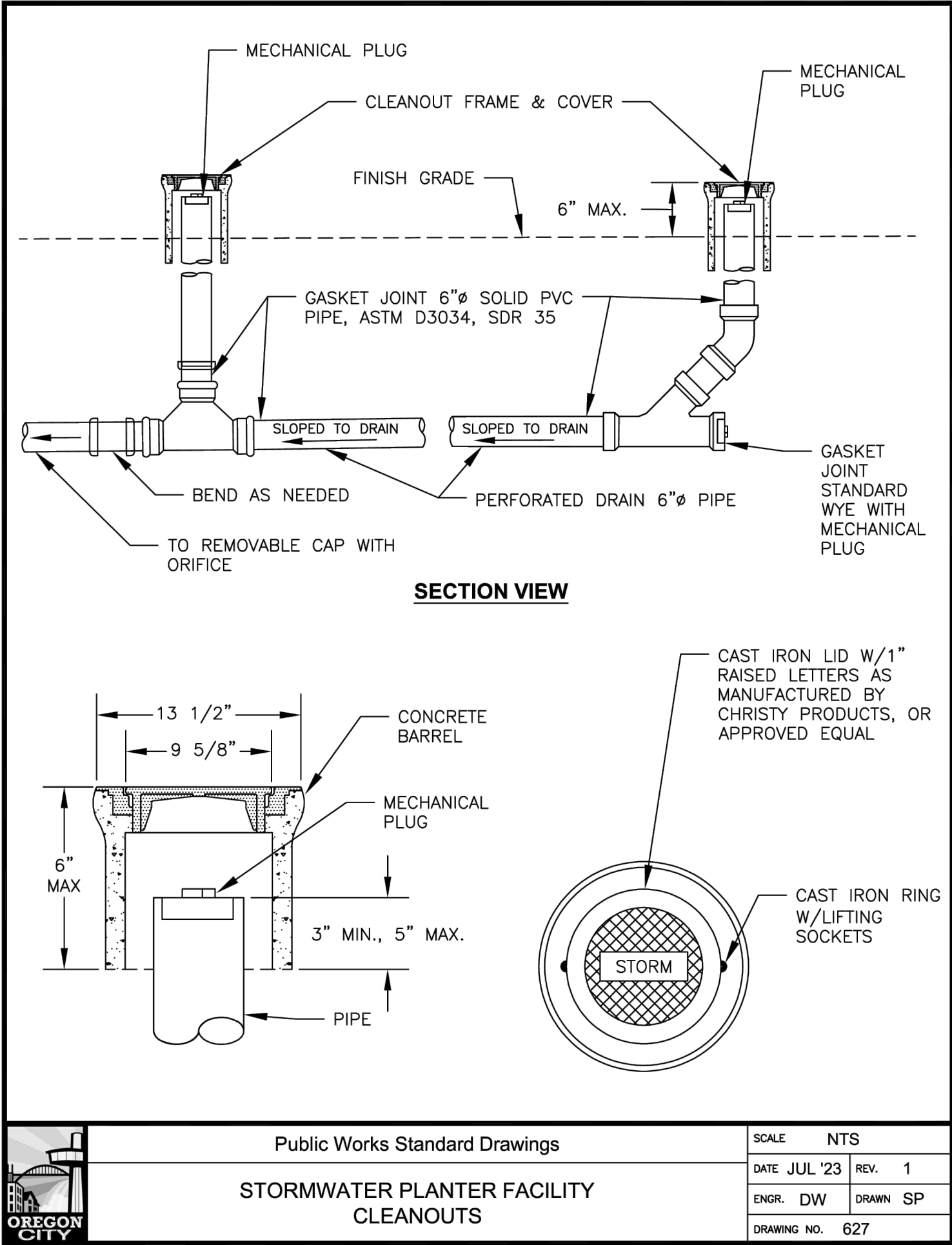


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OREGON CITY STANDARD DRAWINGS			
PROJECT NO.:	W253326OR	SCALE:	AS SHOWN
DATE:	AUGUST 2026		

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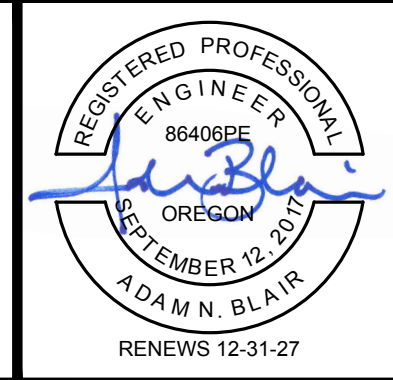
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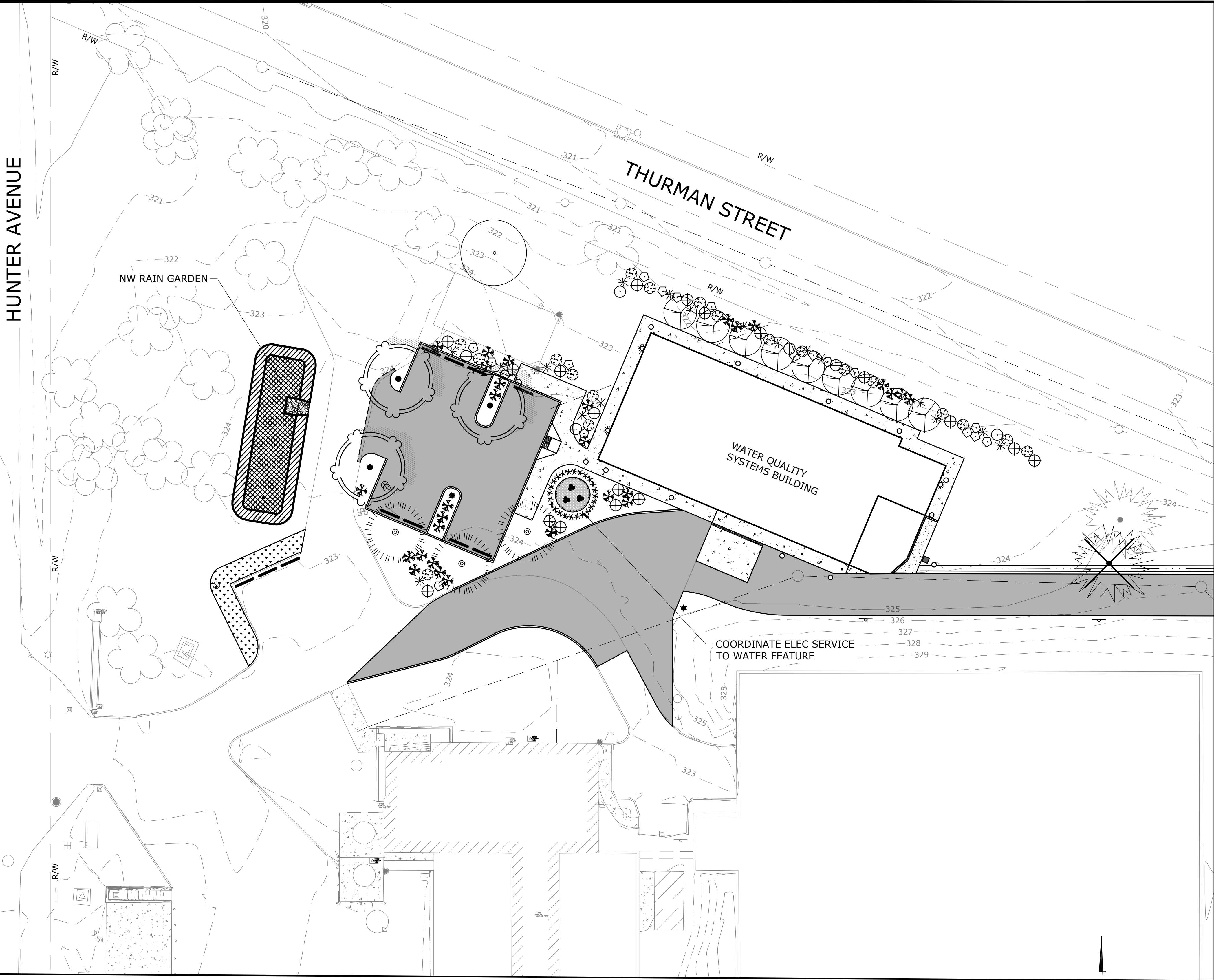


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DATE:	AUGUST 2026		

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PLANTS LIST

COMMON NAME "SCIENTIFIC NAME"	SIZE	SPACING	QUANTITY
OREGON WHITE OAK "QUERCUS GARRYANA"	2.5" CAL 10' B&B	AS SHOWN	1
LAVELLE HAWTHORN "CRATAGUS X LAVALLEII"	8' B&B 1.5" CAL.	AS SHOWN	3
PYRAMIDAL EUROPEAN HORNBEAM "CARPINUS BETULUS 'FASTIGIATA'"	8' B&B 1.5" CAL.	AS SHOWN	3
VINE MAPLE "ACER CIRCINATUM"	5 GC	AS SHOWN	9
EVERGREEN HUCKLEBERRY "VACCINIUM OVATUM"	1 GC	AS SHOWN	28
INDIAN PLUM "OEMLERIA CERASIFORMIS"	1 GC	AS SHOWN	19
TALL OREGON GRAPE "BERBERIS AQUIFOLIUM"	1 GC	AS SHOWN	18
NOOTKA ROSE "ROSA NOOTKANA VAR. NUTKANA"	1 GC	AS SHOWN	17
RED CURRANT "RIBES SANGUINEUM"	1 GC	AS SHOWN	24
ORNAMENTAL GRASSES VARIEGATED LIRIOPE "LIRIOPE MUSCARI 'VARIEGATA'"	1 GC	AS SHOWN	24
WATER FOUNTAIN - 12' DIAMETER THE POND GUY - RUSTIC TRIPLE BASALT KIT, 18-INCH 24-INCH & 30-INCH, WITH MIXED POLISHED PEBBLES (3 KITS)			1

NW RAIN GARDEN PLANTS LIST

SCIENTIFIC NAME (COMMON NAME)	CONTAINER			QUANTITY	
	SIZE	SPACING			
ZONE A TOTAL AREA = 752 SF					
ELYMUS GLAUCUS (BLUE WILD RYE)	#SP4	1' OC	150	HERB - E	
SCIRPUS MICROCARPUS SMALL (FRUITED BULRUSH)	#SP4	1' OC	150	HERB - E	
CAREX OBNUPTA (SLOUGH SEDGE)	#SP4	1' OC	150	HERB - E	
ELEOCHARIS PALUSTRIS (CREEPING SPIKE RUSH)	#SP4	1' OC	150	HERB - D	
JUNCUS PATENS (SPREADING RUSH)	#SP4	1' OC	150	HERB - E	
ZONE B TOTAL AREA = 563 SF					
PHILADELPHU LEWISII (WILD MOCK ORANGE)	#1	4' OC	5	SHRUB - D	
ROSA NUTKANA (NOOTKA ROSE)	#1	4' OC	5	SHRUB - D	
RIBES SANGUINEUM (RED FLOWERING CURRANT)	#1	4' OC	5	SHRUB - D	
MAHONIA AQUIFOLIUM (OREGON GRAPE)	#1	4' OC	5	SHRUB - E	
CEANOTHUS VELUTINUS (SNOWBRUSH)	#1	4' OC	5	SHRUB - E	
HOLODISCUS DISCOLOR WESTERN (SERVICEBERRY)	#1	4' OC	5	SHRUB - D	
CORNUS SERICEA (RED-TWIG DOGWOOD)	#1	4' OC	5	SHRUB - D	

CHEMICAL FEED BUILDING AREA
SCALE: 1"=20'



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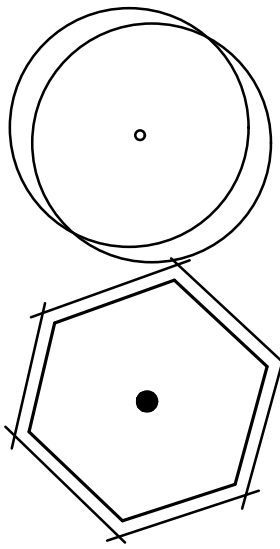


LANDSCAPE PLAN			
PROJECT NO.:	W253326OR	SCALE:	AS SHOWN
DATE:	AUGUST 2026		

SHEET
L-101

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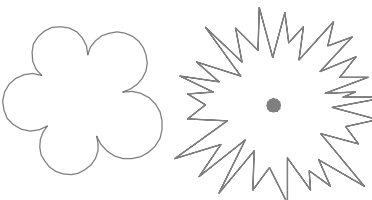
PLANTS LIST



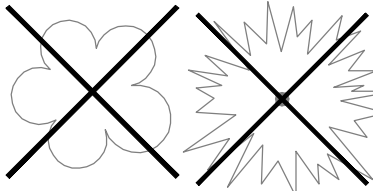
COMMON NAME "SCIENTIFIC NAME"	SIZE	SPACING	QUANTITY
TRICOLOR BEECH "FAGUS SYLVATICA 'ROSEO-MARGINATA'"			5
TUPELO "NYSSA SYLVATICA" 'JFS-PN LEGACY1'	8' B&B 1.5" CAL.	AS SHOWN	3
THIMBLEBERRY "RUBUS PARVIFLORUS"	1 GC	AS SHOWN	3
SALAL "GAULETHERIA SHALLON"	1 GC	AS SHOWN	3

NE RAIN GARDEN FACILITY #2 PLANTS LIST

	CONTAINER				
	SIZE	SPACING	QUANTITY		
ZONE A TOTAL AREA = 491 SF					
ELYMUS GLAUCUS (BLUE WILD RYE)	#SP4	1' OC	98	HERB	- E
SCIRPUS MICROCARPUSSMALL (FRUITED BULRUSH)	#SP4	1' OC	98	HERB	- E
CAREX OBNUPTA (SLOUGH SEDGE)	#SP4	1' OC	98	HERB	- E
CAMASSIA QUAMASH (CAMAS LILY)	#SP4	1' OC	98	HERB	- D
JUNCUS PATENS (SPREADING RUSH)	#SP4	1' OC	98	HERB	- E
ZONE B TOTAL AREA = 373 SF					
PHYSOCARPUS CAPITATUS (PACIFIC NINEBARK)	#1	4' OC	3	SHRUB	- D
ROSA NUTKANA (NOOTKA ROSE)	#1	4' OC	4	SHRUB	- D
RIBES SANGUINEUM (RED FLOWERING CURRANT)	#1	4' OC	3	SHRUB	- D
MAHONIA AQUIFOLIUM (OREGON GRAPE)	#1	4' OC	4	SHRUB	- E
CEANOTHUS VELUTINUS (SNOWBRUSH)	#1	4' OC	3	SHRUB	- E
HOLODISCUS DISCOLORWESTERN (SERVICEBERRY)	#1	4' OC	4	SHRUB	- D
CORNUS SERICEA (RED-TWIG DOGWOOD)	#1	4' OC	3	SHRUB	- D



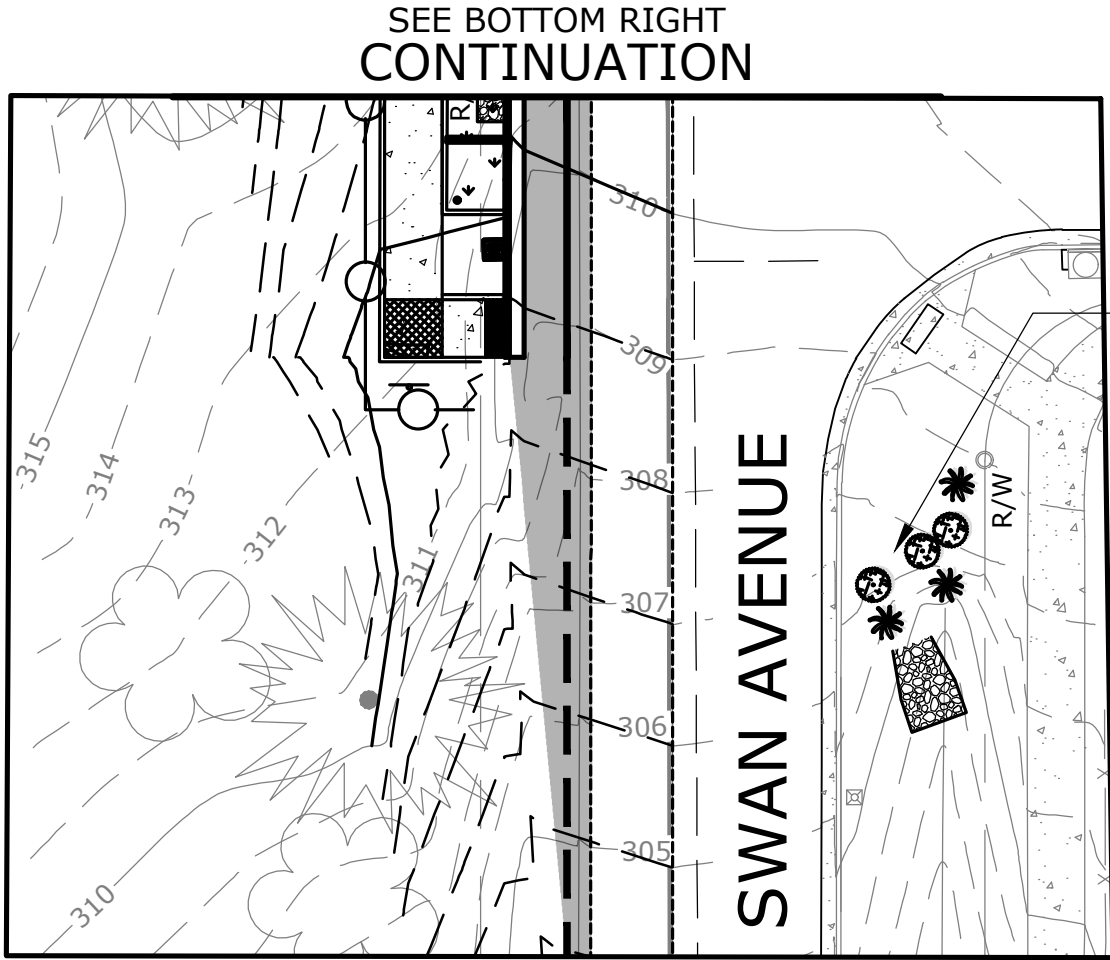
EXISTING TREES
TO REMAIN



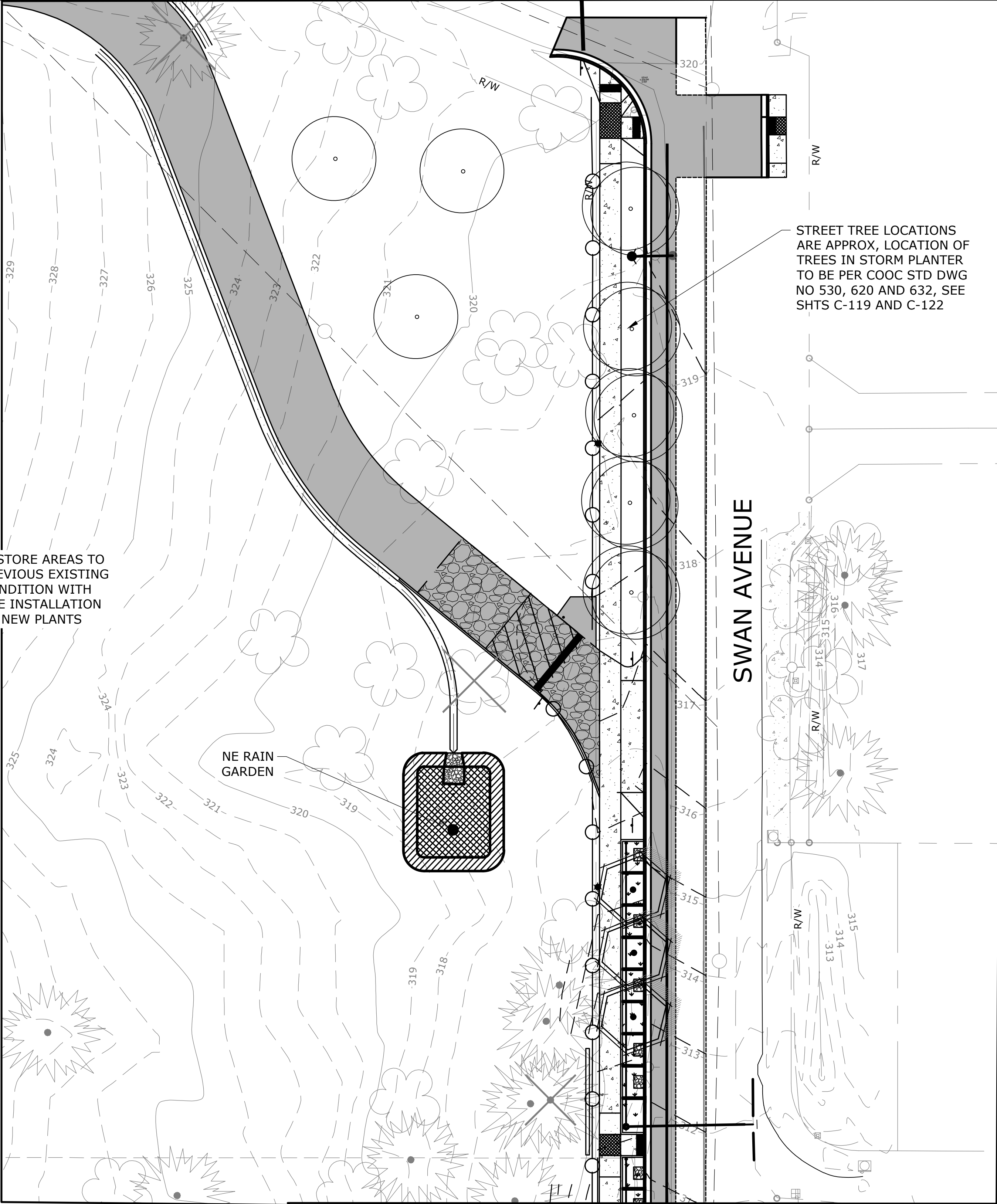
EXISTING TREES
TO BE REMOVED



NORTH EAST AREA
SCALE: 1"=20'



RESTORE AREAS TO
PREVIOUS EXISTING
CONDITION WITH
THE INSTALLATION
OF NEW PLANTS



STREET TREE LOCATIONS
ARE APPROX. LOCATION OF
TREES IN STORM PLANTER
TO BE PER COOC STD DWG
NO 530, 620 AND 632, SEE
SHTS C-119 AND C-122

CONTINUATION
SEE TOP LEFT

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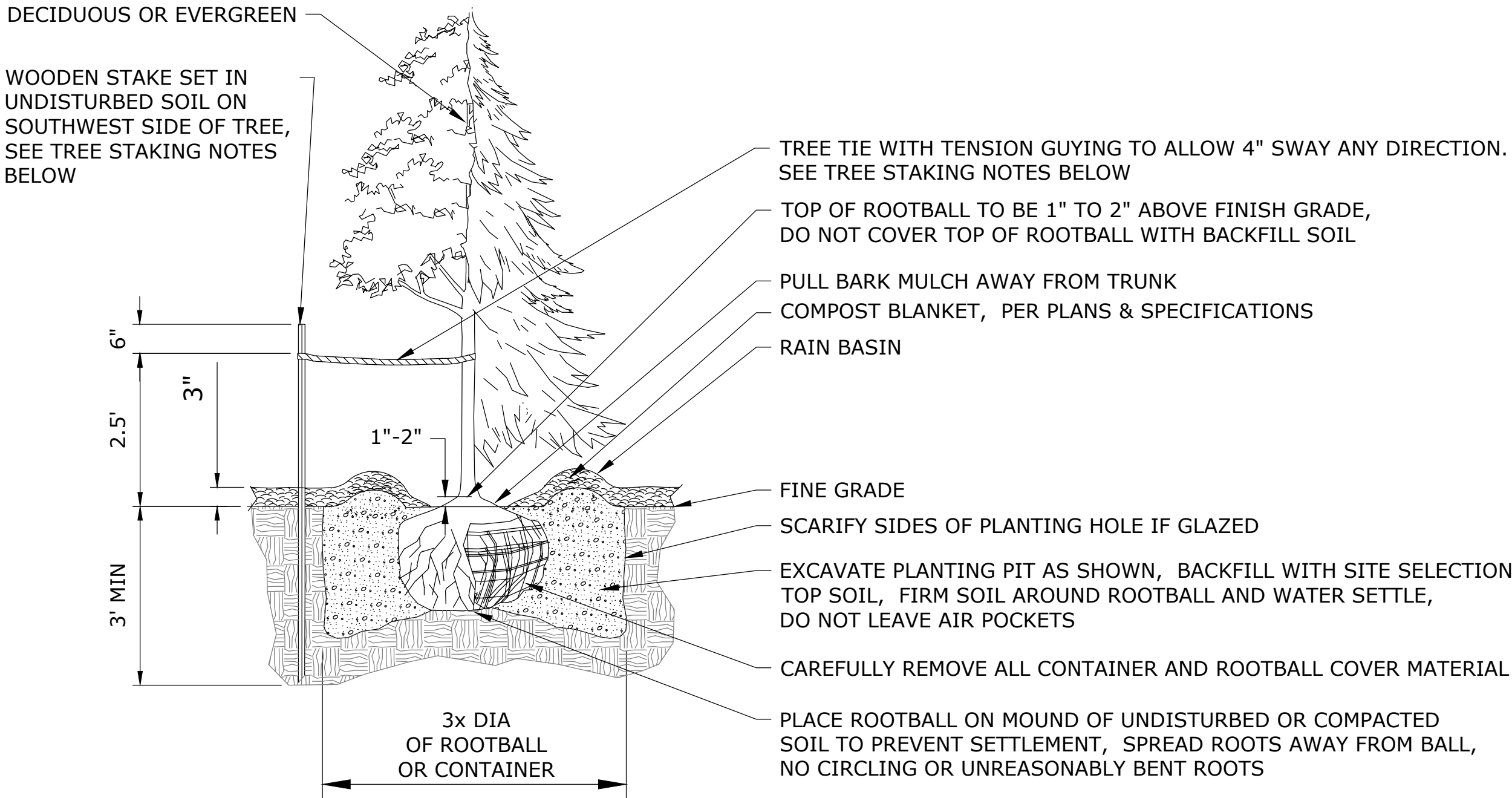
WATER QUALITY SYSTEMS BUILDING

LANDSCAPE PLAN

PROJECT NO.: W253326OR SCALE: AS SHOWN DATE: AUGUST 2026

SHEET
L-102

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NOTES:

1. TREE TIES TO BE EITHER:

RIGID GUY SYSTEM WITH GALVANIZED WIRE TO BE APPROXIMATELY 1/8" THICKNESS AND 24" LENGTH. THERE IS A PLASTIC SLEEVE OVER PORTION THAT GOES AROUND TREE. THE WIRE TIE IS TO GO THRU THE WOOD STAKE AND BE SECURELY FASTENED.

PLASTIC CHAIN TYPE, APPROXIMATELY 1" WIDTH BY 1/8" DEPTH WHERE TWO STAKES ARE REQUIRED. CROSS TIES BETWEEN STAKES AND WRAP TIE AROUND TREE. FASTEN SECURELY TO STAKE.

2. EXCAVATE ALL PLANT WELLS PER DETAIL AT 3X DIAMETER OF ROOTBALL OR CONTAINER AND BACKFILL WITH SITE SELECT TOPSOIL FREE OF NOXIOUS WEEDS PLANT MATERIAL INCLUDING ROOTS AND SPRIGS.

3. FURNISH TREE STAKES ON ALL TREE PLANTINGS. STAKES TO BE CONSTRUCTION GRADE, ROUGH SAWN OR FINISHED DOUGLAS FIR OR PINE. STAIN WITH APPROVED GREEN PENETRATING OIL. STAKE SIZE IS TO BE 1 1/2"x1-1/2" BY FOLLOWING LENGTHS:

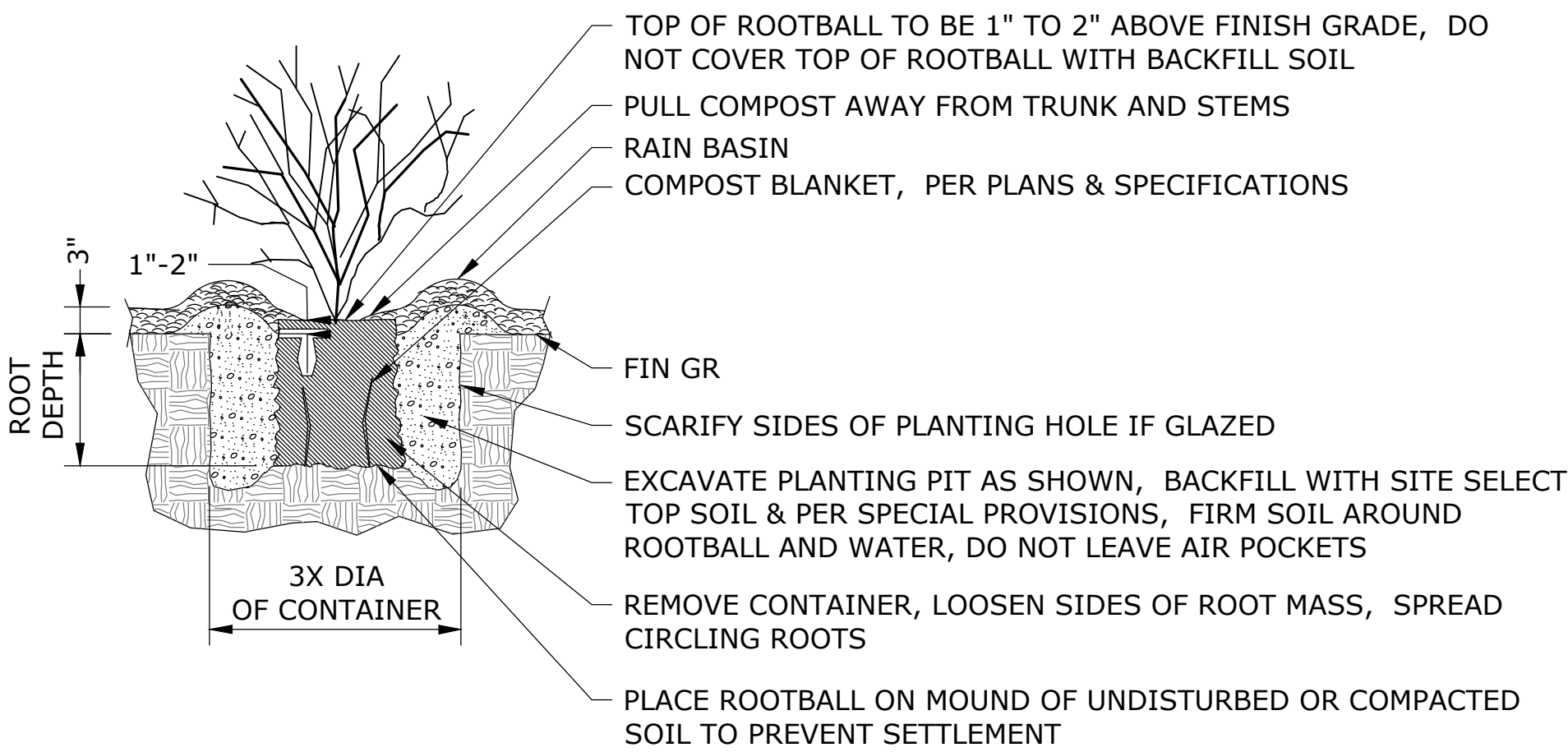
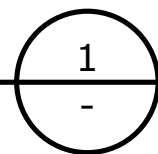
TREES 36" AND SHORTER - USE ONE - 6' (APPROXIMATELY) STAKE

TREES TALLER THAN 36" - USE ONE - 8' (APPROXIMATELY) STAKE

DRIVE STAKES VERTICALLY AND AT LEAST 24" INTO UNDISTURBED SOIL. DO NOT DRIVE STAKES THRU ROOT BALL. LOCATE STAKES TO BEST RESIST PREVAILING WINDS.

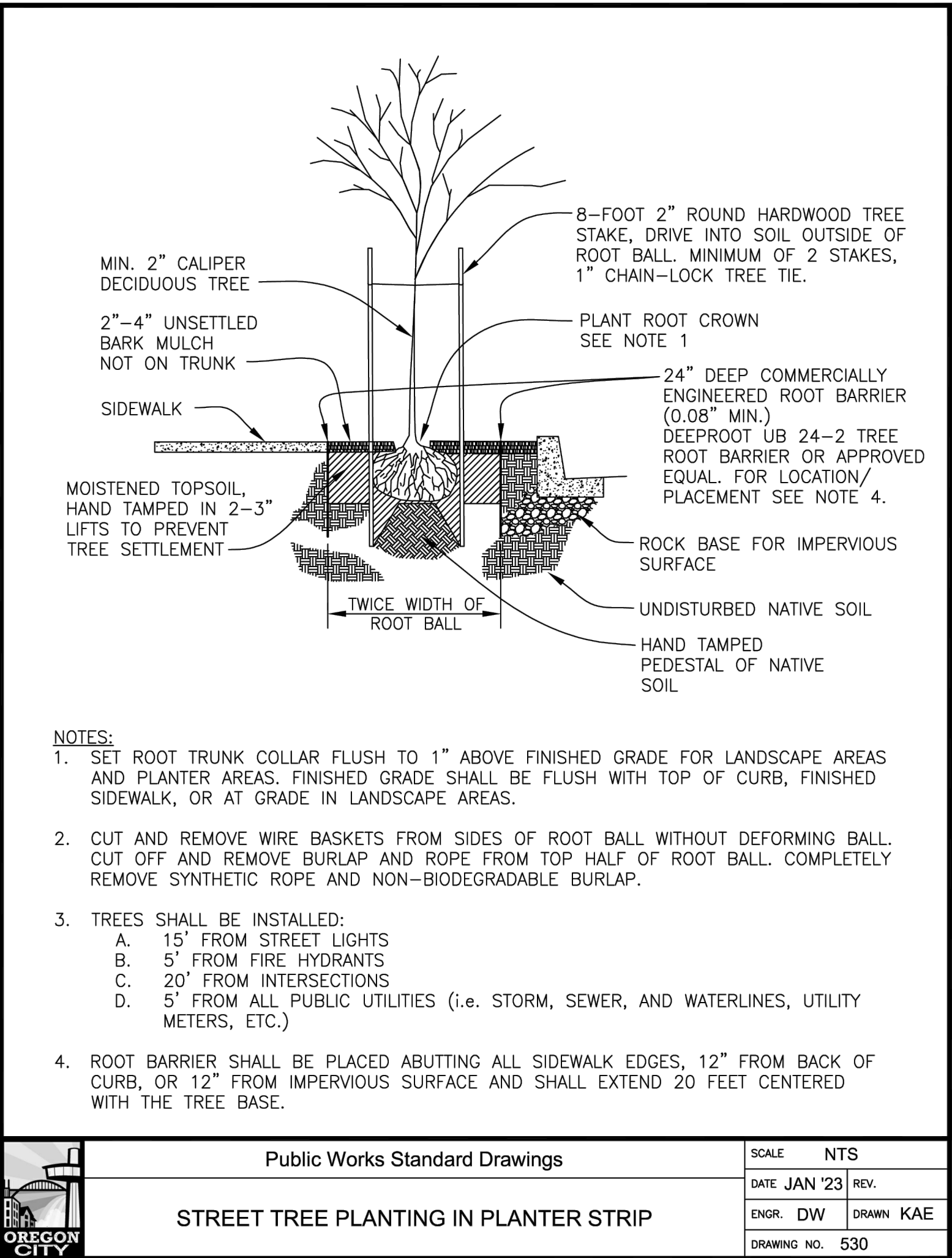
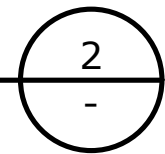
TREE PLANTING DETAIL

SCALE: NTS



SHRUB PLANTING DETAIL

SCALE: NTS



NOTES:

1. SET ROOT TRUNK COLLAR FLUSH TO 1" ABOVE FINISHED GRADE FOR LANDSCAPE AREAS AND PLANTER AREAS. FINISHED GRADE SHALL BE FLUSH WITH TOP OF CURB, FINISHED SIDEWALK, OR AT GRADE IN LANDSCAPE AREAS.

2. CUT AND REMOVE WIRE BASKETS FROM SIDES OF ROOT BALL WITHOUT DEFORMING BALL. CUT OFF AND REMOVE BURLAP AND ROPE FROM TOP HALF OF ROOT BALL. COMPLETELY REMOVE SYNTHETIC ROPE AND NON-BIODEGRADABLE BURLAP.

3. TREES SHALL BE INSTALLED:
A. 15' FROM STREET LIGHTS
B. 5' FROM FIRE HYDRANTS
C. 20' FROM INTERSECTIONS
D. 5' FROM ALL PUBLIC UTILITIES (i.e. STORM, SEWER, AND WATERLINES, UTILITY METERS, ETC.)

4. ROOT BARRIER SHALL BE PLACED ABUTTING ALL SIDEWALK EDGES, 12" FROM BACK OF CURB, OR 12" FROM IMPERVIOUS SURFACE AND SHALL EXTEND 20 FEET CENTERED WITH THE TREE BASE.



Public Works Standard Drawings

SCALE NTS

DATE JAN '23 REV.

ENGR. DW DRAWN KAE

DRAWING NO. 530

STREET TREE PLANTING IN PLANTER STRIP

SEED MIX

SEED MIX A: FOR DISTURBED AREA

BOTANICAL NAME	COMMON NAME	PLS LBS. PER ACRE
ELYMUS GLAUCUS	BLUE WILDRYE	21.74
FESTUCA RUBRA RUBRA	NATIVE RED FESCUE	6.52
HORDEUM BRACHYANTHERUM	MEADOW BARLEY	4.35
GLYCERIA OCCIDENTALLIS	WESTERN MANNAGRASS	4.35
BECKMANIA SYZIGACHNE	AMERICAN SLOUGHGRASS	4.35
DESCHAMPSIA CAESPITOSA	TUFTED HAIRGRASS	2.17
TOTAL		43.38

SEED MIX B: FOR STORMWATER FACILITIES

BOTANICAL NAME	COMMON NAME	PLS LBS. PER ACRE
ELYMUS GLAUCUS	BLUE WILDRYE	20
FESTUCA RUBRA RUBRA	NATIVE RED FESCUE	16.5
DESCHAMPSIA CAESPITOSA	TUFTED HAIRGRASS	5.2
GLYCERIA OCCIDENTALLIS	WESTERN MANNAGRASS	0.9
BECKMANIA SYZIGACHNE	AMERICAN SLOUGHGRASS	0.9
TOTAL		43.38

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PLANTING METHODS:

1. SOIL PREPARATION: TILL THE SUB-GRADE IN ALL PLANTING AREAS TO A DEPTH OF AT LEAST FOUR INCHES AND ADD AT LEAST 12 INCHES OF CLEAN COMPOST-AMENDED TOPSOIL. THE COMPOST-AMENDED TOPSOIL SHALL HAVE A GOOD GROWING MEDIUM WITH TEXTURE MATERIAL THAT PASSES THROUGH ONE-INCH AND 35% ORGANIC MATTER FERTILITY.
2. PLANTING TIME: CONTAINERIZED STOCK SHALL BE INSTALLED ONLY FROM FEBRUARY 1 THROUGH MAY 1 AND OCTOBER 1 THROUGH NOVEMBER 15. PLANTINGS OUTSIDE THESE TIMES MAY REQUIRE ADDITIONAL MEASURES TO ENSURE SURVIVAL WHICH SHALL BE SPECIFIED ON THE PLANS.
3. All PLANTS SHALL BE INSTALLED IN ACCORDANCE WITH AMERICAN NURSERYMAN STANDARDS. INSTALLED PLANTS SHALL TAGGED FOR DORMANT SEASON IDENTIFICATION AND SHALL REMAIN ON PLANT MATERIALS AFTER PLANTING FOR MONITORING PURPOSES.
4. EROSION CONTROL: GRADING AND SOIL PREPARATION SHALL BE PERFORMED DURING OPTIMAL WEATHER CONDITIONS AND AT LOW FLOW LEVELS TO MINIMIZE SEDIMENT IMPACTS. SEEDING SHALL OCCUR BETWEEN SEPTEMBER 1 TO OCTOBER 31, OR MARCH 1 TO APRIL 15.
5. MULCHING: TREES, SHRUBS, AND GROUNDCOVER AREAS SHALL BE MULCHED A MINIMUM OF THREE INCHES IN DEPTH AND 18 INCHES IN DIAMETER, TO RETAIN MOISTURE AND DISCOURAGE WEED GROWTH AROUND NEWLY INSTALLED PLANT MATERIAL. APPROPRIATE MULCHES ARE MADE FROM COMPOSTED BARK OR LEAVES THAT HAVE NOT BEEN CHEMICALLY TREATED.
6. WEED CONTROL: THE REMOVAL OF NUISANCE AND INVASIVE WEEDS SHALL BE NECESSARY THROUGHOUT THE MAINTENANCE PERIOD, AND UNTIL A HEALTHY STAND OF DESIRABLE VEGETATION IS ESTABLISHED.
8. PLANT REPLACEMENT AND PRESERVATION: INSTALLED PLANTS THAT ARE UNHEALTHY OR DAMAGED SHALL BE REPLACED DURING THE MAINTENANCE PERIOD. PRIOR TO REPLACEMENT, THE CAUSE OF LOSS (WILDLIFE DAMAGE, POOR PLANT STOCK, ETC.) SHALL BE DOCUMENTED WITH A DESCRIPTION OF THE CORRECTIVE ACTIONS TAKEN.
9. IF PLANTING OCCURRED OUT OF PLANTING PERIODS INDICATED AT NOTE 2 ABOVE, THE FOLLOWING MEASURES SHOULD BE APPLIED:

- A. HAVE PLANTS INSPECTED FOR EARLY SYMPTOMS OF POOR HEALTH. TREES AFFECTED BY EARLY STAGES OF STRESS COULD DISPLAY PREMATURE FALL COLOR IN LATE SUMMER, PARTIAL DEFOLIATION AND SYMPTOMS OF MOISTURE STRESS.
- B. PROVIDE SUPPLEMENTAL IRRIGATION EACH WEEK OR MORE OFTEN ON NEWLY PLANTED TREES, SHRUBS AND OLDER PLANTS STRESSED WITH INSECT OR DISEASE PROBLEMS WHEN RAINFALL IS LACKING IN SUMMER.
- C. PRUNE FLOWERING TREES AND SHRUBS ONCE FLOWER BUDS BEGIN TO FORM IN LATE SUMMER, JUDICIOUS PRUNING REDUCES THE BLOOM SOMEWHAT BUT SHOULD NOT IMPACT THE DISPLAY SIGNIFICANTLY.
- D. INSPECT FOR PESTS THAT COMMONLY ARRIVE DURING HOT, DRY WEATHER AND APPLY TREATMENTS AS NEEDED.
- E. ASSESS CANOPIES FOR DEAD BRANCHES AND STRUCTURAL WEAKNESSES THAT CAN BE PRUNED LATER IN WINTER.

PLANTS MAINTENANCE NOTES:

1. WATER-EFFICIENT IRRIGATION SHOULD BE APPLIED AFTER CONSTRUCTION OF THE FACILITY, PARTICULARLY DURING THE DRY SUMMER MONTHS, WHILE PLANTINGS BECOME ESTABLISHED.
2. CONTRACTOR SHALL PROVIDE 3 YEARS PLANT ESTABLISHMENT PERIOD TO MAINTAIN PLANTS IN A VIGOROUS GROWING CONDITION THROUGH PERIODIC INSPECTIONS. DURING PLANT ESTABLISHMENT PERIOD, THE CONTRACTOR SHALL ENSURE PLANTING AREAS ARE FREE OF INVASIVE WEEDS AND PLANTS SHALL BE FREE OF INSECTS AND DISEASES WHILE SHOWING SIGNS OF CONTINUING HEALTH. THE CONTRACTOR SHALL REPLACE ALL PLANTS THAT SHOW UNHEALTHY SIGNS OR ARE DEAD.
3. THE MAINTENANCE PERIOD BEGINS IMMEDIATELY AFTER THE COMPLETION OF ALL PLANTING OPERATION AND WRITTEN NOTIFICATION TO THE ENGINEER.
4. OTHER MAINTENANCE OPERATIONS DURING THE THREE-YEAR GUARANTEE PERIOD:

• RESET PLANTS TO FINISH GRADE AND RESTORATION OF PLANT SAUCERS, AS NECESSARY

• REPAIR DAMAGED OR WASHED OUT EROSION CONTROL SEEDING.

• PRUNING, INCLUDING REMOVAL OF DEAD OR BROKEN BRANCHES.

• DISEASE CONTROL.

• MAINTAINING WRAPPING, GUYS, [TURNBUCKLES,] AND STAKES. [ADJUST TURNBUCKLES TO KEEP GUY WIRES TIGHT.] REPAIR OR REPLACE ACCESSORIES WHEN REQUIRED.

• REPORT ANY PROBLEMS THAT MAY BE A HINDRANCE TO COMPLETING AND FULFILLING THE CONDITIONS OF THE PLANT GUARANTEE WITHIN 7 DAYS TO THE OWNER.
5. THE EXISTING IRRIGATION SYSTEM TO BE MODIFIED TO PROVIDE DRIP IRRIGATION ACCORDING TO PLANTS REQUIREMENTS. THE IRRIGATION SYSTEM SHALL DESIGNED AND CONSTRUCTED BY CERTIFIED IRRIGATION CONTRACTOR.

NO.	DATE	BY	REVISION

NOTICE

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IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

RWP

DESIGNED

RWP

DRAWN

RWP

CHECKED

REGISTERED

LA0690

ROBERT W. FLETCHER

OREGON

5/08/2009

LANDSCAPE ARCHITECT

RENEWS 5-31-28

BID SET

 **consor**

 **Stantec**

 **South Fork WATER**
PURE WATER SINCE 1915

WATER QUALITY SYSTEMS BUILDING

LANDSCAPE NOTES

PROJECT NO.: W253326ORSCALE: AS SHOWNDATE: AUGUST 2026

SHEET

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