

West Linn-Wilsonville School District

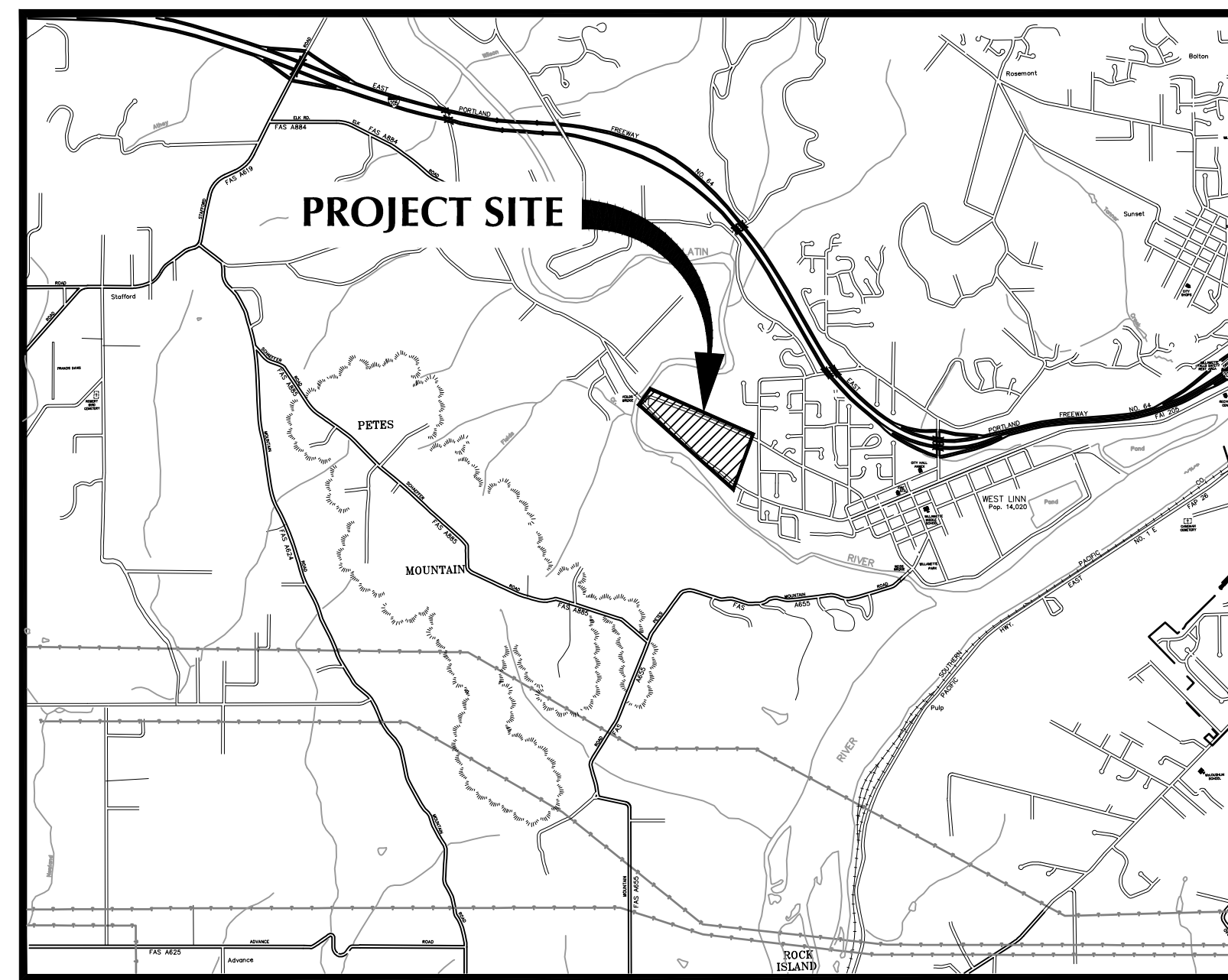
New Athey Creek Middle School

945 Dollar Street
West Linn, OR 97068

VOLUME 4

PROJECT DESCRIPTION:

THE NEW ATHEY CREEK MIDDLE SCHOOL IS DESIGNED TO ACCOMMODATE 850 STUDENTS FOR GRADE LEVELS 6-8 AND IS LOCATED ON APPROXIMATELY 22 ACRES IN THE CITY OF WEST LINN. THE PROJECT WILL BE COMPLETE FOR SCHOOL OPENING IN THE FALL OF 2023 FOR THE 2023/24 SCHOOL YEAR.



VICINITY MAP
SCALE: NTS

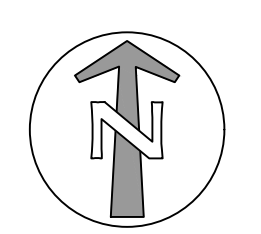
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PROJECT CONTACTS

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File: N:\proj\2020\00067-Dollar-Street-MISCAD\PL\OT\PUBLIC\2020067-C0.01-COVR.dwg TAB:G0.01
Plotted: 5/26/22 at 8:18am By: mmanzer

REVISION	DATE	DESCRIPTION



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By Erich Lais at 12:34:01 PM, 05/31/2022



JOB No.:	2000067
DESIGNED BY:	LB/TK/MM/JG/NP
DRAWN BY:	SB/RC
CHECKED BY:	DP/CV
PLOT DATE:	5/26/22 8:18am
PLOTTED BY:	mmanzer
DWG NAME:	2000067-C0.01-COVR.dwg
TAB NAME:	G0.01

West Linn, OR 97068

NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS

VOLUME 4 COVER SHEET

SHEET NO.	
G0.01	
SHEET	1 OF 153
RECORD NO.	2000067-1

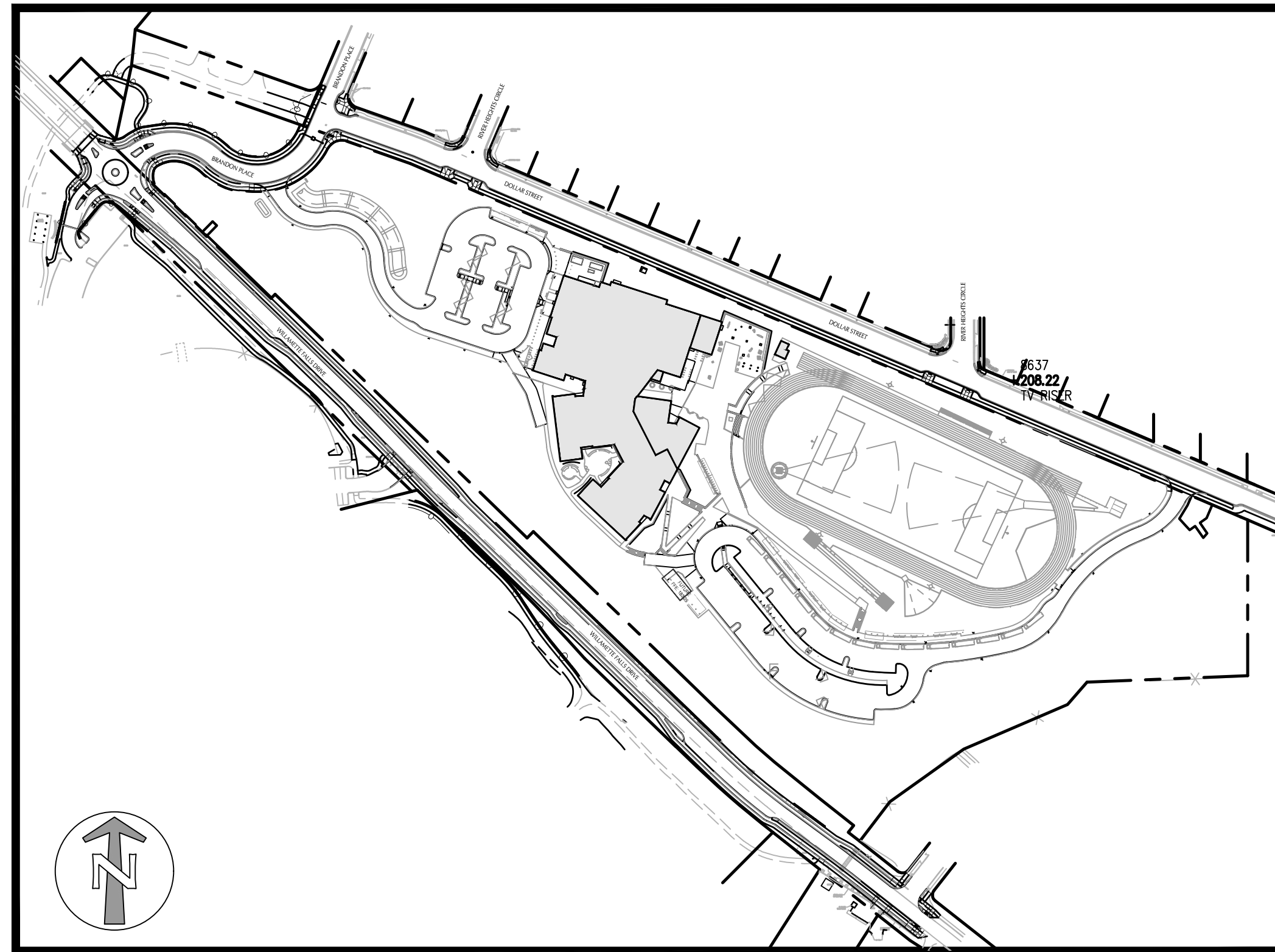
PUBLIC STREET IMPROVEMENTS FOR DOLLAR STREET, BRANDON PLACE AND WILLAMETTE FALLS DRIVE

WEST LINN, OREGON

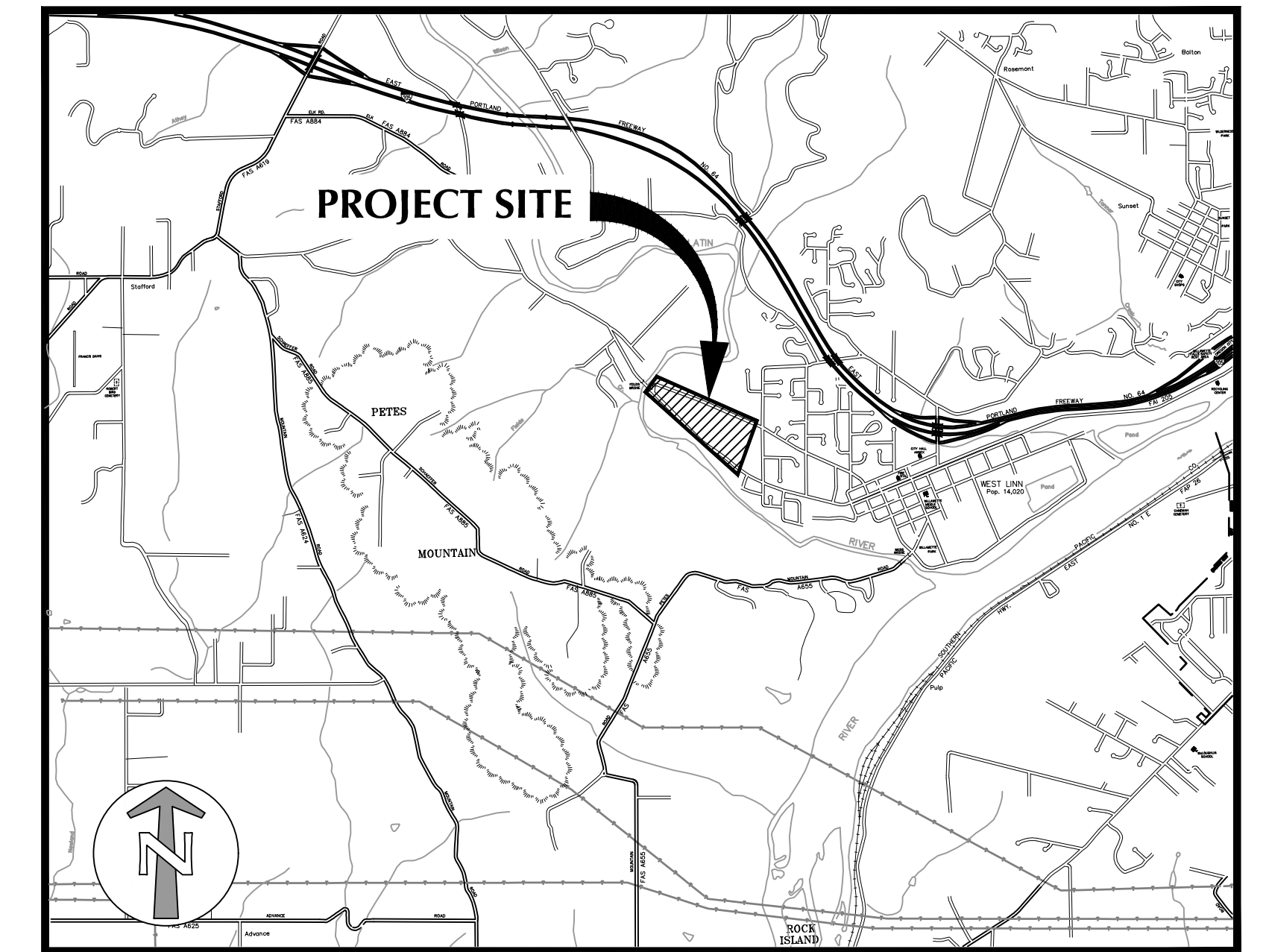
DEVELOPMENT PACKAGE - BID SET

LEGEND

PROPOSED	DESCRIPTION	EXISTING
---	PROPERTY LINE	---
---	RIGHT OF WAY	---
---	EASEMENT LINE	---
---	CENTERLINE	---
---	BUILDING OUTLINE	---
---	BUILDING OVERHANG	---
---	CONCRETE	---
---	CURB	---
---	CURB & GUTTER	---
---	EDGE OF PAVEMENT	---
---	SAWCUT	---
---	CONTROL POINT	---
---	CHAIN LINK FENCE	---
---	CONTOUR	---
---	FOUND MONUMENT	---
---	STORM SEWER	---
---	STORM DRAIN	---
---	SANITARY SEWER	---
---	WATER	---
---	UNDERGROUND TV	---
---	UNDERGROUND COMMUNICATIONS	---
---	GAS	---
---	SWALE FLOWLINE/DITCH	---
---	OVERHEAD POWER	---
---	UNDERGROUND POWER	---
---	UTILITY POLE ANCHOR	---
---	UTILITY TO BE ABANDONED	---
---	UTILITY TO BE REMOVED	---
---	FENCE LINE	---
---	GUARDRAIL	---
---	CATCH BASIN	---
---	AREA DRAIN	---
---	OVERFLOW INLET	---
---	UTILITY POLE	---
---	LIGHT POLE	---
---	JUNCTION BOX	---
---	CLEANOUT (COTG)	---
---	MANHOLE	---
---	WATER METER	---
---	FIRE HYDRANT	---
---	WATER VALVE	---
---	GAS VALVE	---
---	SIGN	---
---	TREE	---
---	SAMPLE POINT PER PACIFIC HABITAT SERVICES, INC.	---
---	LIMIT OF CUT	---
---	LIMIT OF FILL	---



SITE MAP
SCALE: NTS



VICINITY MAP
SCALE: NTS

ABBREVIATIONS

A.C.	ASPHALT CONCRETE	LP	LIGHT POLE	ST	STREET
ACP	ASPHALT CONCRETE PAVEMENT	LT	LEFT	STA	STATION
AGGR.	AGGREGATE	MH	MANHOLE	STD.	STANDARD
ASPH.	ASPHALT	MIN.	MINIMUM	SW	SIDEWALK
BTM.	BOTTOM	N	NORTHING	TC	TOP OF CURB
CB	CATCH BASIN	NO.	NUMBER	THKN.	THICKEN
CL/C	CENTERLINE	NOS	NUMBERS	TP	TOP OF PAVEMENT
CLR	CLEAR	O.D.	OUTSIDE DIAMETER	TW	TOP OF WALL
CTRS	CENTERS	OF	OUTFALL	TYP.	TYPICAL
COMP.	COMPLETE	PL/R	PROPERTY LINE	UG	UNDERGROUND
CONC.	CONCRETE	PC	POINT OF CURVATURE	UGE	UNDERGROUND ELECTRIC
CONT.	CONTINUE	PC	PORTLAND CEMENT	UNO	UNLESS NOTED OTHERWISE
COP	CITY OF PORTLAND	PCC	POINT OF COMPOUND CURVATURE	VAR.	VARIES
COTG	CLEANOUT TO GRADE	PCC	PORTLAND CEMENT CONCRETE	VERT.	VERTICAL
CP	CONTROL POINT	PCR	POINT OF CURB RETURN	W	WATER
CPPR	COLD PLANE PAVEMENT REMOVAL	POC	POINT ON CURVE	WI	WITH
DWG	DRAWING	PP	POWER POLE	WL	CITY OF WEST LINN
DIA, Ø	DIAMETER	PRC	POINT OF REVERSE CURVATURE	WM	WATER METER
DIP	DUCTILE IRON PIPE	PT	POINT OF TANGENT	WV	WATER VALVE
DIR.	DIRECTED	P.U.E.	PUBLIC UTILITY EASEMENT		
E	CURB EXPOSURE OR EASTING	PVC	POLYVINYL CHLORIDE		
EA	EACH	PVMT.	PAVEMENT		
EXIST./EX	EXISTING	R	RIM / RADIUS		
EXTG.	EXISTING	RAD.	RADIUS		
FH	FIRE HYDRANT	REQD.	REQUIRED		
G	GUTTER	R.O.W.	RIGHT-OF-WAY		
GALV.	GALVANIZE	RT	RIGHT		
GV	GATE VALVE	S	SLOPE (FT/FT)		
H	HEIGHT	SCH.	SCHEDULE		
HB	HORIZONTAL BEND	SD	STORM DRAIN		
HP	HIGH POINT	SDMH	STORM DRAIN MANHOLE		
I.A.	INSIDE DIAMETER	SL	SLOPE		
IE	INVERT ELEVATION	SS	SANITARY SEWER		
IRR.	IRRIGATION	SSMH	SANITARY SEWER MANHOLE		

NOTICE TO EXCAVATORS:
ATTENTION: OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0090. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER.
(NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS (503)-232-1987.)

POTENTIAL UNDERGROUND FACILITY OWNERS

Call before you dig.



EMERGENCY TELEPHONE NUMBERS

CENTURYLINK	1-800-573-1311
COMCAST	1-800-391-3000
NW NATURAL GAS	503-226-4211 x4313
PACIFICORP	877-508-5088
PGE	503-464-7777
VERIZON	1-800-VERIZON

PROJECT CONTACTS

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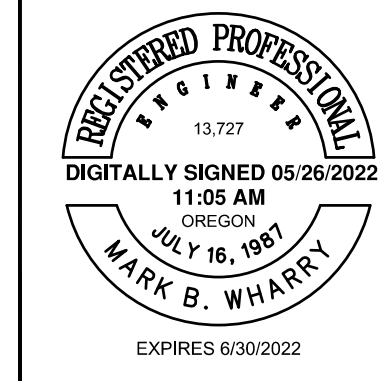
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REVISION	DATE	DESCRIPTION

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By Erich Lais at 12:34:21 PM, 05/31/2022



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West Linn, OR 97068
NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS
TITLE SHEET, LEGEND, AND ABBREVIATIONS

SHEET NO.
C0.01
SHEET 2 OF 153
RECORD NO.
2000067-2

SEPARATION STATEMENT

ALL WATER MAIN CROSSINGS SHALL CONFORM TO THE OREGON STATE HEALTH DEPARTMENT, CHAPTER 333. WATER MAINS SHALL CROSS OVER SANITARY SEWERS WITH A 18" MINIMUM CLEARANCE BETWEEN OUTSIDE DIAMETERS OF PIPE WITH ALL PIPE JOINTS EQUIDISTANT FROM CROSSING. HORIZONTAL SEPARATION BETWEEN WATER MAINS AND SANITARY SEWERS IN PARALLEL INSTALLATIONS SHALL BE 10'. MAINTAIN 12" MINIMUM VERTICAL DISTANCE FOR ALL OTHER UTILITY CROSSINGS AND 12" HORIZONTAL PARALLEL DISTANCE. IN CASES WHERE IT IS NOT POSSIBLE TO MAINTAIN THE MINIMUM 10' HORIZONTAL SEPARATION, THE WATER MAIN SHALL BE LAID ON A SEPARATE SHELF IN THE TRENCH 18" INCHES ABOVE THE SEWER.

TECHNICAL NOTES

GENERAL

1. A "PUBLIC WORKS PERMIT" IS REQUIRED FOR ANY WORK TAKING PLACE WITHIN THE PUBLIC RIGHT-OF-WAY OR PUBLIC CITY EASEMENTS.
2. ALL WORK SHALL CONFORM TO THE CURRENT CITY OF WEST LINN PUBLIC WORKS CONSTRUCTION STANDARDS MANUAL, AMERICAN PUBLIC WORKS ASSOCIATION (APWA) STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CITY MUNICIPAL CODE, CITY COMMUNITY DEVELOPMENT CODE, AND ALL ADA REGULATIONS, IN ADDITION TO ALL APPLICABLE FEDERAL, STATE, AND REGIONAL LAWS.
3. STREET CLOSURES ARE TYPICALLY NOT PERMITTED. CITY MANAGER APPROVAL IS REQUIRED FOR STREET CLOSURES. ONE LANE OF TRAFFIC MUST REMAIN OPEN AT ALL TIMES AND TRAFFIC SHALL BE GUIDED BY CERTIFIED FLAGGERS AND APPROPRIATE SIGNAGE PER THE MANUAL ON UNIFORM TRAFFIC CONTROL (MUTCD).
4. AN 18 MONTH WARRANTY ON ALL WORK IN THE RIGHT-OF-WAY IS REQUIRED OF ALL PUBLIC WORK PERMIT CONTRACTORS.

CONCRETE WORK (SIDEWALKS/DRIVEWAYS/APPROACHES/CURB)

1. ENSURE BOTH YOUR DRIVEWAY APPROACH AND DRIVEWAY SLAB INSPECTION ARE APPROVED PRIOR TO POURING EITHER-- ELEVATION CHANGES IN ONE WILL AFFECT THE OTHER.
2. COMPLIANCE WITH CURRENT ADA REQUIREMENTS IS REQUIRED WHENEVER REPLACEMENT OF SIDEWALKS AND APPROACHES OCCURS. GENERALLY, THIS MEANS THAT THE SIDEWALK CROSS SLOPE (SLOPE TOWARDS TO THE STREET) CANNOT EXCEED 2% (EVEN THROUGH THE APPROACH AREA). PEDESTRIAN CURB RAMPS MAY ALSO NEED TO BE REDESIGNED TO COMPLY WITH NEW ADA STANDARDS.
3. APPROACH MAXIMUM WIDTH IS 36', MINIMUM WIDTH IS 16' MEASURED FROM TOP OF FULL DEPTH CURB TO TOP OF FULL DEPTH CURB. DRIVEWAY WINGS TO BE 3' WIDE.
4. SIDEWALK SHALL HAVE 6" CONCRETE DEPTH IN AREAS SUBJECT TO AUTOMOBILE TRAFFIC, 4" DEPTH IN AREAS ONLY SUBJECT TO PEDESTRIAN TRAFFIC. A MINIMUM DEPTH OF 2" OF CLEAN, WELL COMPACTED ¾"-0 GRAVEL IS REQUIRED ON A FIRM SUBGRADE BENEATH ALL FORMS.
5. SIDEWALK AND DRIVEWAY CONCRETE PANELS SHALL BE REMOVED AND REPLACED IN WHOLE-- NO PARTIAL REPAIRS. IF DAMAGE OCCURS TO EDGE OF ADJACENT PANEL THE PANEL MUST BE REMOVED AND REPLACED.
6. REMOVED AND REPLACED CURB SECTIONS CANNOT BE SMALLER THAN 3' AND MUST HAVE STRAIGHT SAWCUT CONNECTIONS. REBAR DOWELING AND REINFORCEMENT MAY BE REQUIRED BY THE INSPECTOR. PERPENDICULAR AND PARALLEL REBAR DOWELING IS ALWAYS REQUIRED WHEN A CURB FACE IS REMOVED IN SITUATIONS WHERE ONLY A PLANTER STRIP IS BEHIND THE CURB BEING REMOVED.
7. CONCRETE SHALL HAVE A BROOM FINISH PERPENDICULAR TO PEDESTRIAN TRAVEL AND AN EDGE SHINE TO MATCH SURROUNDING PANELS (A STANDARD 3" SHINE IS TYPICAL FOR NEW CONSTRUCTION). CONTRACTION JOINTS ARE REQUIRED, BUT EXPANSION JOINTS/BOARDS/FELT ARE NOT PERMITTED IN THE RIGHT-OF-WAY. CONCRETE SHALL BE STANDARD GREY, COMMERCIALLY MIXED, AND BE A MINIMUM OF 3300 PSI AFTER 28 DAYS.
8. DRIVEWAY APPROACHES ARE ASSESSED A STREET CUT DEPOSIT FOR THE WIDTH OF THE APPROACH DUE TO POSSIBLE DAMAGE CAUSED TO THE STREET DURING REMOVAL OF THE EXISTING APPROACH/CURB. IF STREET IS DAMAGED, CONTRACTOR MUST SAWCUT A STRAIGHT AND UNIFORM PATCH WITH SUFFICIENT WIDTH TO ALLOW COMPACTION IN LIFTS (MINIMUM WIDTH OF A PLATE WHACKER) AND RESTORE WITH THE APPROPRIATE DEPTH OF HOT MIX ASPHALT AND SAND SEAL JOINTS.

STREET CUTS/TRENCHES

1. ALL TRENCHES IN STREET ASPHALT AREAS MUST BE BACKFILLED WITH ¾"-0" GRAVEL COMPACTED IN 12" MAXIMUM LIFTS AND TESTED AT MULTIPLE DEPTHS BY A CERTIFIED TESTING COMPANY TO MINIMUM 95% PER AASHTO T-180. THE COMPACTION TESTED GRAVEL AREA MUST EXTEND A MINIMUM OF 4 FEET OUTSIDE OF STREET EDGE (OR AS SPECIFIED ONSITE BY CITY PERSONNEL DEPENDING ON TRENCH DEPTH AND CONDITION).
 - a. ALTERNATELY, CONTROLLED DENSITY FILL (CDF) MAY BE SPECIFIED. PIPE SHALL BE BEDDED IN 6" AND COVERED WITH 12" OF ¾"-0 GRAVEL PRIOR TO FILLING TRENCH WITH CDF. CDF MAY ALSO BE SPECIFICALLY REQUIRED BY THE ONSITE INSPECTOR IN SOME INSTANCES DUE TO SITE CONDITIONS.
2. ALL STREET CUTS MUST HAVE A 6" T-CUT AS SHOWN IN OREGON STANDARD DRAWING RD302. ASPHALT EDGES SHALL BE SAWCUT BACK AN ADDITIONAL 6" BEYOND UNDISTURBED BASE. THE T-CUT SHOULD BE DONE AFTER TRENCH IS BACKFILLED.
3. HOT MIX ASPHALT SHALL BE USED TO TOP OFF THE TRENCH. DEPTH OF ASPHALT DEPENDS ON STREET CLASSIFICATION AND SHALL BE INSTALLED IN EQUAL LIFTS AS SPECIFIED IN THE PUBLIC WORKS STANDARDS. 4" DEPTH FOR LOCAL STREETS, 5" FOR COLLECTORS, AND 6" FOR ARTERIALS.
4. TACK ALL VERTICAL EDGES PRIOR TO PAVING.
5. SAND SEAL ALL SEAMS THOROUGHLY WITH AN APPROVED SEALANT. LACK OF ADEQUATE SEALER OR PREMATURE CRACKING OF JOINTS IS ONE OF THE MOST COMMON WARRANTY CALL- BACKS.

WATER LINES

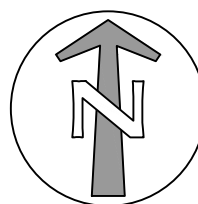
1. THE WATER LINE FROM THE MAIN TO THE METER (AND THE METER ITSELF) IS MAINTAINED BY THE CITY WATER DEPARTMENT IN MOST CASES. PLEASE CONTACT THE WATER DEPT. AT (503)656-6081 IF YOU HAVE CONCERNS ABOUT YOUR WATER LATERAL ON THE STREET SIDE OF THE METER.
2. THE WATER LINE BEHIND THE METER IS PRIVATELY MAINTAINED BY THE HOMEOWNER. A BUILDING DEPT. PERMIT IS REQUIRED FOR THIS WORK AND A LICENSED PLUMBER MUST TYPICALLY PERFORM THIS WORK.

SEWER/STORM PIPE REPAIR AND TAPS

1. WHENEVER A SEWER LATERAL IS TO BE INSTALLED OR REPAIRED IN A PUBLIC RIGHT-OF-WAY OR PUBLIC CITY EASEMENT, A PUBLIC WORKS PERMIT MUST BE OBTAINED. A CITY BUILDING PERMIT IS REQUIRED FOR SEWER WORK ON PRIVATE PROPERTY.
2. ALL FEES, SDC CHARGES, DEPOSITS, BONDS, AND OTHER CHARGES ESTABLISHED BY CITY CODE SHALL BE PAID OR PROVIDED PRIOR TO THE ISSUANCE OF A PUBLIC WORKS PERMIT TO INSTALL A SEWER LATERAL.
3. NO ROOF, SURFACE, FOUNDATION, FOOTING OR OTHER GROUND WATER DRAINS SHALL BE CONNECTED TO THE CITY SANITARY SEWER SYSTEM.
4. SHARED SEWER LATERALS (I.E. "PARTY LINE SEWERS") ARE NOT PERMITTED PER PLUMBING CODE. IF A SHARED SEWER LATERAL IS ENCOUNTERED DURING REPAIR OF AN EXISTING SYSTEM, THE SEWER LATERALS SHALL BE SEPARATED AND EACH LATERAL SHALL BE RUN IN ITS ENTIRETY FROM THE HOME TO THE MAIN INDEPENDENTLY. THE COST OF SEPARATION SHALL BE PAID BY THE PROPERTY OWNERS. COST SHARING SHALL BE DETERMINED BY THE AFFECTED PROPERTY OWNERS.
5. NO NEW MAIN TAPS ARE ALLOWED IF THE PROPERTY CURRENTLY HAS A SEWER CONNECTION; THE EXISTING TAP SHALL BE USED. IN THE EVENT THAT IN THE CITY ENGINEER'S OPINION THE EXISTING TAP IS UNUSABLE THE CITY ENGINEER MAY ALLOW A NEW TAP AFTER PROPER DECOMMISSIONING OF THE EXISTING TAP IS COMPLETED.
6. MAIN TAP SHALL BE LOCATED A MINIMUM OF 12" FROM EXISTING PIPE JOINTS AND 12" FROM OTHER TAPS.
7. NEW TAPS SHALL BE CORE DRILLED AND INSTALLED AT A 45 DEGREE ANGLE TO THE MAIN AND PER WL-303 (RETAIN CORE DRILLED "COUPON" FOR INSPECTION).
8. TAPS SHALL BE DONE WITH AN "INSERT-A-TEE" FITTING (REQUESTS TO USE COMPARIBLE MATERIALS MUST BE APPROVED BY THE CITY IN WRITING PRIOR TO INSTALLATION). INSERTA TEE SHALL MATCH LATERAL PIPE TYPE/SIZE AND MAIN PIPE TYPE/SIZE. TAP SHALL BE INSTALLED WATER TIGHT, WITHOUT PROTRUSION OR DAMAGE TO EXISTING MAIN PIPE. PROVIDE INSPECTOR INSERT-A-TEE PACKAGING SHOWING TYPE OF INSERT-A-TEE INSTALLED.
9. INSTALL A TEST TEE ON PRIVATE LATERAL WITHIN 3 FEET OF MAIN, WATER TEST WILL BE CONDUCTED BY PLUMBING INSPECTOR.
10. RUN PIPE AT 2% MIN. SLOPE TO PROPERTY, INSTALL GREEN TRACER WIRE ON LATERAL PIPE.
11. CLEANOUTS ARE REQUIRED EVERY 100' OF PIPE OR 135 DEGREES OF BENDS PER THE PLUMBING CODE. BENDS GREATER THAN 45 DEGREES ARE NOT PERMITTED.
12. USE OF HARD FITTINGS IS REQUIRED WHENEVER POSSIBLE. WHEN HARD FITTINGS ARE NOT AVAILABLE AND A FLEXIBLE FITTING (I.E. FERNCO) IS NEEDED, IT SHALL BE SUPPLIED WITH A STAINLESS STEEL SHEAR BAND WHEN POSSIBLE.
13. A BACKWATER VALVE MAY BE REQUIRED BY THE PLUMBING INSPECTOR DEPENDING ON SITE CIRCUMSTANCES (E.G. IF NEAREST DOWNSTREAM MANHOLE COVER IS ABOVE ELEVATION OF HOME)
14. INSPECTION AND APPROVAL BY CITY PERSONNEL IS REQUIRED PRIOR TO BACKFILL.
15. RECORDED VIDEO INSPECTION IS OFTEN REQUIRED OF REPAIRS/INSTALLATIONS FOLLOWING BACKFILL. VIDEO CAMERA SHALL BE ON SHOWING RUNNING WATER INTO PIPE, THEN STOP WATER FLOW AND ALLOW A FEW MINUTES FOR ALL WATER TO FLOW FROM PIPE. RUN VIDEO CAMERA SLOWLY DOWN AND UP PIPE ONCE ALL WATER IS OUT OF PIPE TO ENSURE NO STANDING WATER/OFFSET JOINTS.
16. TIGHTLY COMPACT 6" OF ¾- ROCK UNDER THE PIPE.
17. BACKFILL TRENCH WITH CLEAN, WELL-GRADED ¾"-0 ANGULAR GRAVEL COMPACTED IN LIFTS TO MIN. 95% DENSITY PER AASHTO T-180. COMPACTION TESTING BY A CERTIFIED TESTING FIRM WILL BE REQUIRED. ALTERNATELY, CONTROLLED DENSITY FILL (CDF) MAY BE USED IN LIEU OF COMPACTION TESTED GRAVEL.
18. CONTRACTOR TO PROVIDE DETAILED AS-BUILT SITE PLAN SHOWING DIMENSIONS, DEPTHS, AND BENDS.
19. SEE "STREET CUT" SECTION FOR TRENCH RESTORATION REQUIREMENTS.

File: N:\proj\2020\000067-Dollar-Street\MS\CAD\PILOT\PUBLIC\UC2000067-C0.01-COVR.dwg TAB: C0.02
 Plotted: 5/26/22 at 8:16am By: mmanzer

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 By Erich Lais at 12:45:06 PM, 05/31/2022



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JOB No.: 2000067
 DESIGNED BY: LB/TK/MM/JG/NP
 DRAWN BY: SB/RC
 CHECKED BY: DP/CV
 PLOT DATE: 5/26/22 8:18am
 PLOTTED BY: mmanzer
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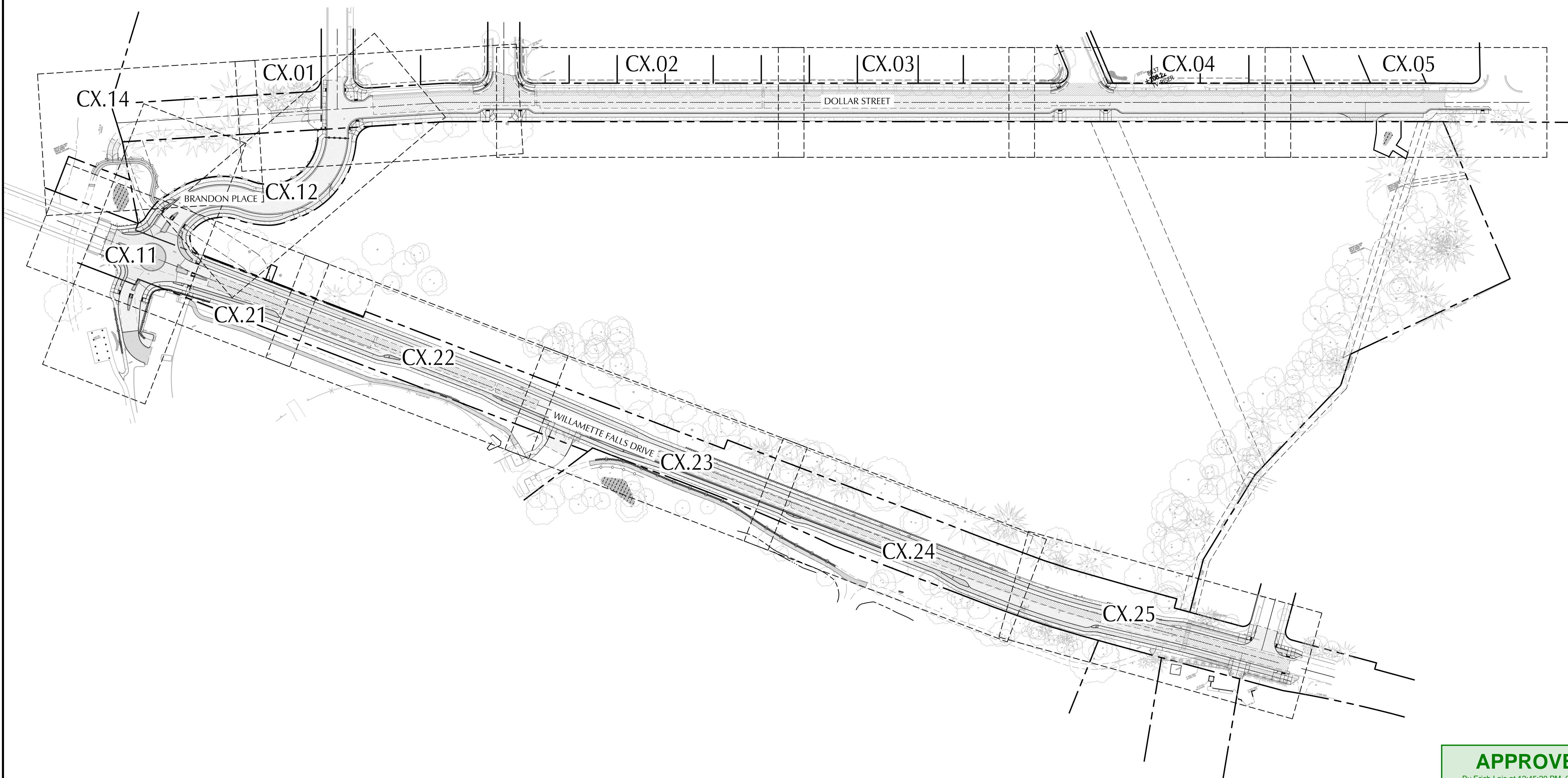
West Linn, OR 97068

 NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS

GENERAL NOTES

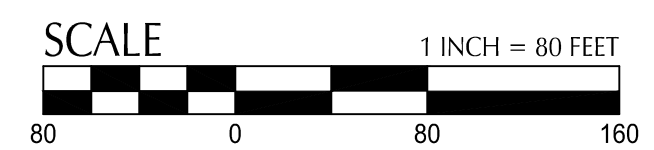
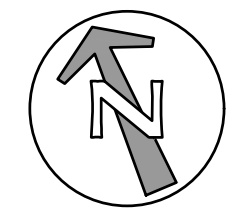
SHEET NO.
C0.02
 SHEET 3 OF 153
 RECORD NO.
2000067-3

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 22x34



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 PLOTTED BY: mmanzer
 DWG NAME: 2000067-C0.04-GENL.dwg
 TAB NAME: C0.03

West Linn, OR 97068

NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS

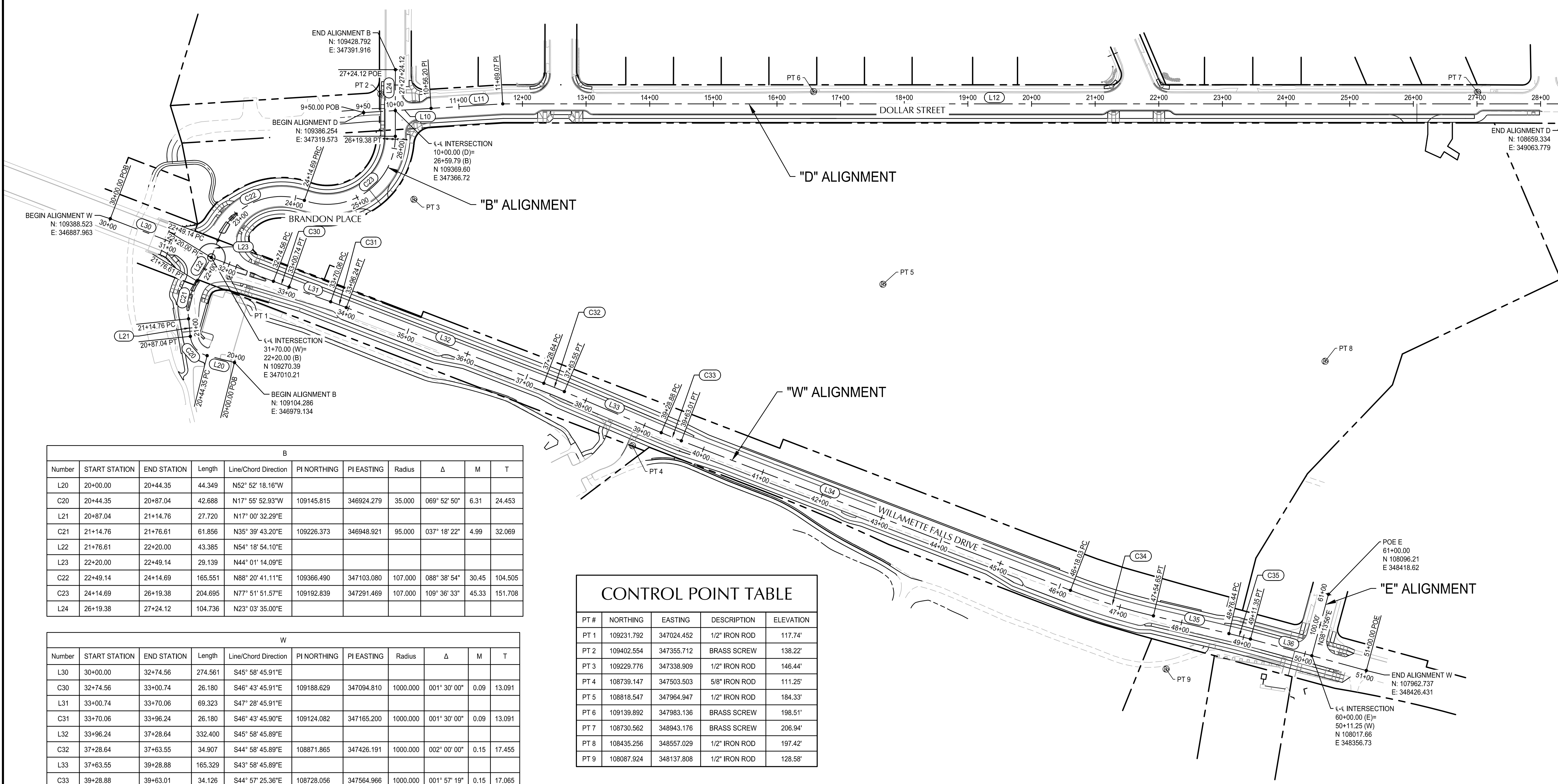
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SHEET NO.

C0.03

SHEET 4 OF 153
 RECORD NO.
 2000067-4

File: N:\proj\2020\00067-Dollar-Street\MS\CAD\PLT\PUBLIC\2000067-C0.05-HC.dwg TAB: C0.04
 Plotted: 5/26/22 at 8:19am By: mmanzer
 22x34



B										
Number	START STATION	END STATION	Length	Line/Chord Direction	PI NORTHING	PI EASTING	Radius	Δ	M	T
L20	20+00.00	20+44.35	44.349	N52° 52' 18.16"W						
C20	20+44.35	20+87.04	42.688	N17° 55' 52.93"W	109145.815	346924.279	35.000	069° 52' 50"	6.31	24.453
L21	20+87.04	21+14.76	27.720	N17° 00' 32.29"E						
C21	21+14.76	21+76.61	61.856	N35° 39' 43.20"E	109226.373	346948.921	95.000	037° 18' 22"	4.99	32.069
L22	21+76.61	22+20.00	43.385	N54° 18' 54.10"E						
C22	22+20.00	22+49.14	29.139	N44° 01' 14.09"E						
C23	22+49.14	24+14.69	165.551	N88° 20' 41.11"E	109366.490	347103.080	107.000	088° 38' 54"	30.45	104.505
C23	24+14.69	26+19.38	204.695	N77° 51' 51.57"E	109192.839	347291.469	107.000	109° 36' 33"	45.33	151.708
L24	26+19.38	27+24.12	104.736	N23° 03' 35.00"E						

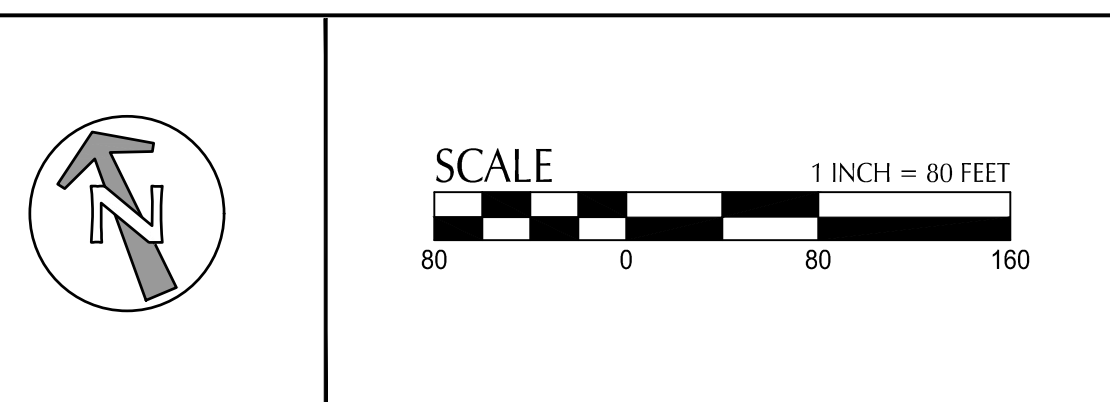
W										
Number	START STATION	END STATION	Length	Line/Chord Direction	PI NORTHING	PI EASTING	Radius	Δ	M	T
L30	30+00.00	32+74.56	274.561	S45° 58' 45.91"E						
C30	32+74.56	33+00.74	26.180	S46° 43' 45.91"E	109188.629	347094.810	1000.000	001° 30' 00"	0.09	13.091
L31	33+00.74	33+70.06	69.323	S47° 28' 45.91"E						
C31	33+70.06	33+96.24	26.180	S46° 43' 45.90"E	109124.082	347165.200	1000.000	001° 30' 00"	0.09	13.091
L32	33+96.24	37+28.64	332.400	S45° 58' 45.89"E						
C32	37+28.64	37+63.55	34.907	S44° 58' 45.89"E	108871.865	347426.191	1000.000	002° 00' 00"	0.15	17.455
L33	37+63.55	39+28.88	165.329	S43° 58' 45.89"E						
C33	39+28.88	39+63.01	34.126	S44° 57' 25.36"E	108728.056	347564.966	1000.000	001° 57' 19"	0.15	17.065
L34	39+63.01	46+18.03	655.024	S45° 56' 04.83"E						
C34	46+18.03	47+54.65	136.616	S49° 50' 55.36"E	108213.052	348097.053	999.933	007° 49' 41"	2.33	68.415
L35	47+54.65	48+76.44	121.794	S53° 45' 45.89"E						
C35	48+76.44	49+11.35	34.907	S52° 45' 45.89"E	108090.296	348264.550	1000.000	002° 00' 00"	0.15	17.455
L36	49+11.35	51+00.00	188.654	S51° 45' 45.89"E						

CONTROL POINT TABLE				
PT #	NORTHING	EASTING	DESCRIPTION	ELEVATION
PT 1	109231.792	347024.452	1/2" IRON ROD	117.74'
PT 2	109402.554	347355.712	BRASS SCREW	138.22'
PT 3	109229.776	347338.909	1/2" IRON ROD	146.44'
PT 4	108739.147	347503.503	5/8" IRON ROD	111.25'
PT 5	108818.547	347964.947	1/2" IRON ROD	184.33'
PT 6	109139.892	347983.136	BRASS SCREW	198.51'
PT 7	108730.562	348943.176	BRASS SCREW	206.94'
PT 8	108435.256	348557.029	1/2" IRON ROD	197.42'
PT 9	108087.924	348137.808	1/2" IRON ROD	128.58'

D										
Number	START STATION	END STATION	Length	Line/Chord Direction	PI NORTHING	PI EASTING	Radius	Δ	M	T
L10	9+50.00	10+56.20	106.197	S70° 32' 42.07"E						
L11	10+56.20	11+69.07	112.874	S70° 32' 42.07"E						
L12	11+69.07	28+40.00	1670.929	S66° 57' 36.40"E						

APPROVED
 By Erich Lais at 12:45:45 PM, 05/31/2022

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REGISTERED PROFESSIONAL ENGINEER
 13,727
 DIGITALLY SIGNED 05/26/2022
 11:05 AM
 OREGON
 JULY 16, 1981
 MARK B. WHARRY
 EXPIRES 6/30/2022

JOB No.: 2000067
 DESIGNED BY: LB/TK/MM/JG/NP
 DRAWN BY: SB/RC
 CHECKED BY: DP/CV
 PLOT DATE: 5/26/22 8:19am
 PLOTTED BY: mmanzer
 DWG NAME: 2000067-C0.05-HC.dwg
 TAB NAME: C0.04

West Linn, OR 97068

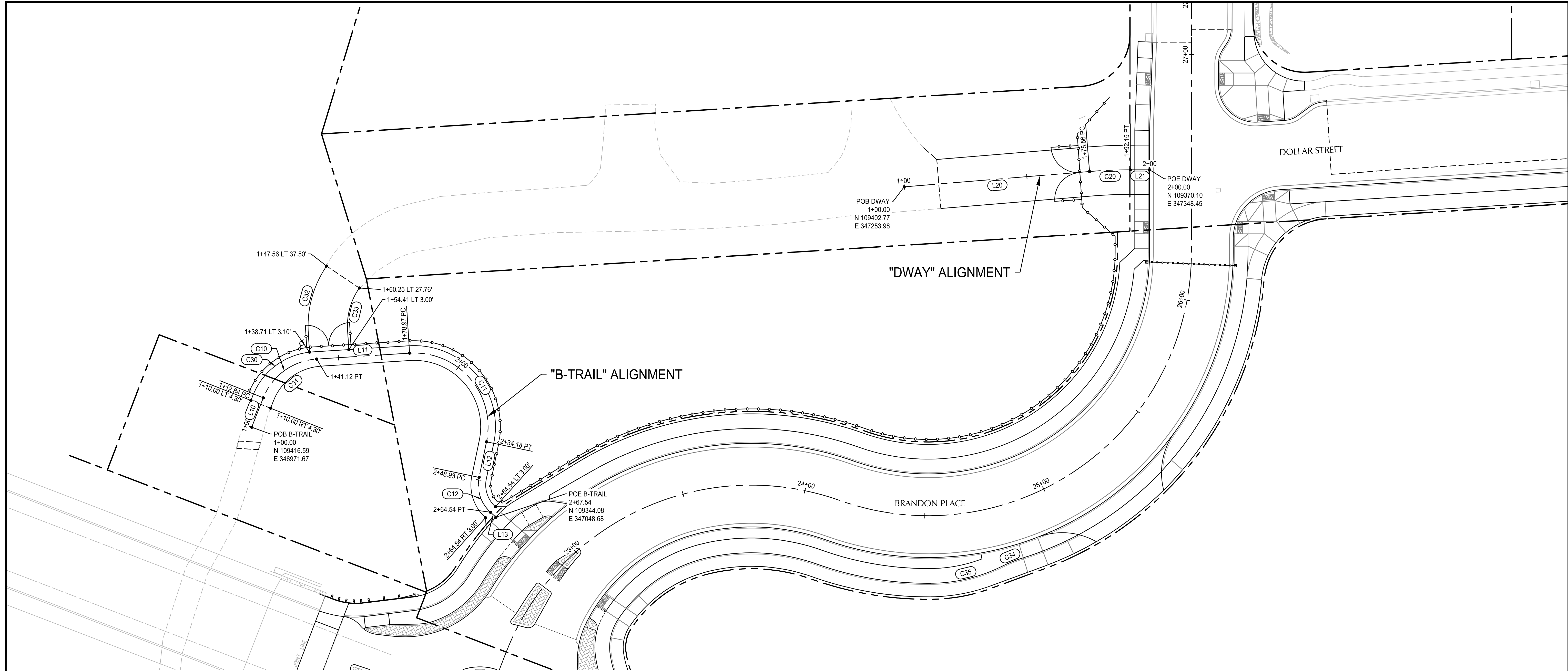
NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS

HORIZONTAL CONTROL PLAN

SHEET NO.

C0.04

SHEET 5 OF 153
RECORD NO. 2000067-5



B-TRAIL										
Number	START STATION	END STATION	Length	Line/Chord Direction	PI NORTHING	PI EASTING	Radius	Δ	M	T
L10	1+00.00	1+12.84	12.838	N44° 34' 38.79"E						
C10	1+12.84	1+41.12	28.284	N76° 59' 20.66"E	109437.045	346991.821	25.000	064° 49' 24"	3.89	15.873
L11	1+41.12	1+78.97	37.852	S70° 35' 57.47"E						
C11	1+78.97	2+34.18	55.202	S17° 53' 06.75"E	109406.112	347079.658	30.000	105° 25' 41"	11.83	39.401
L12	2+34.18	2+48.93	14.754	S34° 49' 43.97"W						
C12	2+48.93	2+64.54	15.610	S05° 00' 56.96"W	109354.603	347043.820	15.000	059° 37' 34"	1.99	8.595
L13	2+64.54	2+67.54	3.000	S24° 47' 50.05"E						

EDGE OF SIDEWALK RADIUS TABLE								
CURVE #	BEGINNING NORTHING	BEGINNING EASTING	ARC LENGTH	RADIUS	DELTA	CHORD LENGTH	ENDING NORTHING	ENDING EASTING
C30	109435.08	347006.44	31.68'	28.00'	64°49'20"	30.02'	109428.32	346977.19
C31	109428.47	347007.15	24.89'	22.00'	64°49'20"	23.58'	109423.16	346984.17
C32	109464.77	347024.97	28.15'	43.00'	37°30'20"	27.65'	109443.03	347007.89
C33	109451.37	347033.70	17.67'	27.00'	37°30'20"	17.36'	109437.72	347022.98

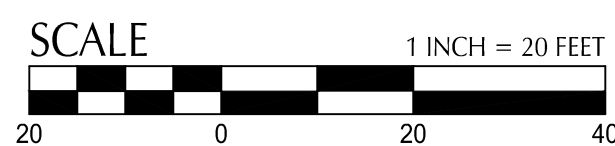
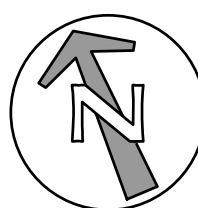
CURB RADIUS TABLE								
CURVE #	BEGINNING NORTHING	BEGINNING EASTING	ARC LENGTH	RADIUS	DELTA	CHORD LENGTH	ENDING NORTHING	ENDING EASTING
C34	109244.99	347239.45	9.48'	60.00'	9°03'10"	9.47'	109245.19	347229.99
C35	109250.12	347200.85	29.80'	66.00'	25°52'10"	29.55'	109245.19	347229.99

DWAY										
Number	START STATION	END STATION	Length	Line/Chord Direction	PI NORTHING	PI EASTING	Radius	Δ	M	T
L20	1+00.00	1+75.56	75.561	S71° 41' 32.22"E						
C20	1+75.56	1+92.15	16.588	S69° 18' 58.61"E	109376.427	347333.595	200.000	004° 45' 07"	0.17	8.299
L21	1+92.15	2+00.00	7.852	S66° 56' 25.00"E						

APPROVED
By Erich Lais at 12:46:04 PM, 05/31/2022

File: N:\proj\2020\00067-Dollar-Street\MISC\CAD\PLT\PUBLIC\2000067-C0.06-HC.dwg TAB: C0.05
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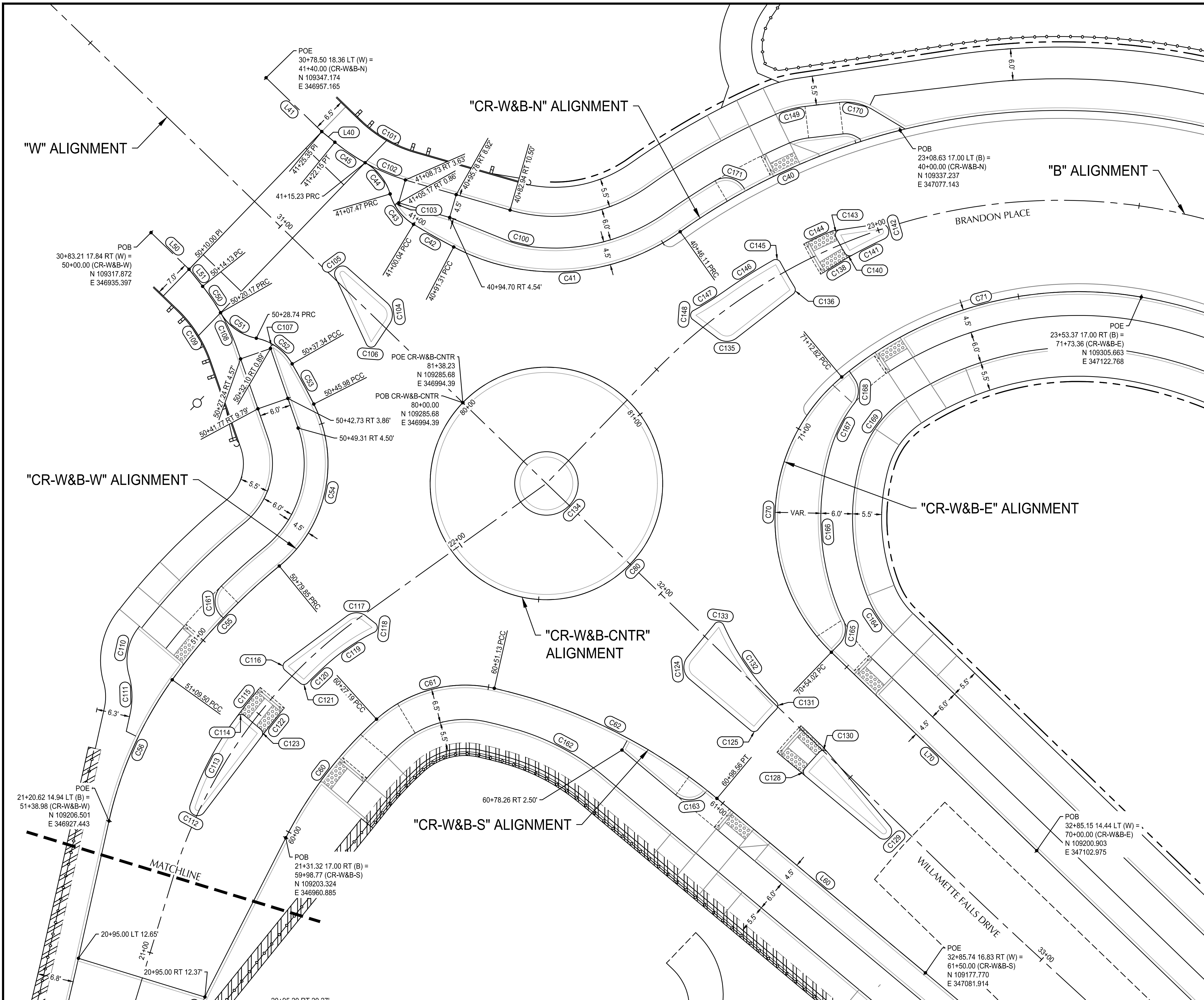
JOB No.: 2000067
 DESIGNED BY: LB/TK/MM/JG/NP
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 DWG NAME: 2000067-C0.06-HC.dwg
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West Linn, OR 97068
 NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS
 HORIZONTAL CONTROL PLAN - DRIVEWAY AND B TRAIL

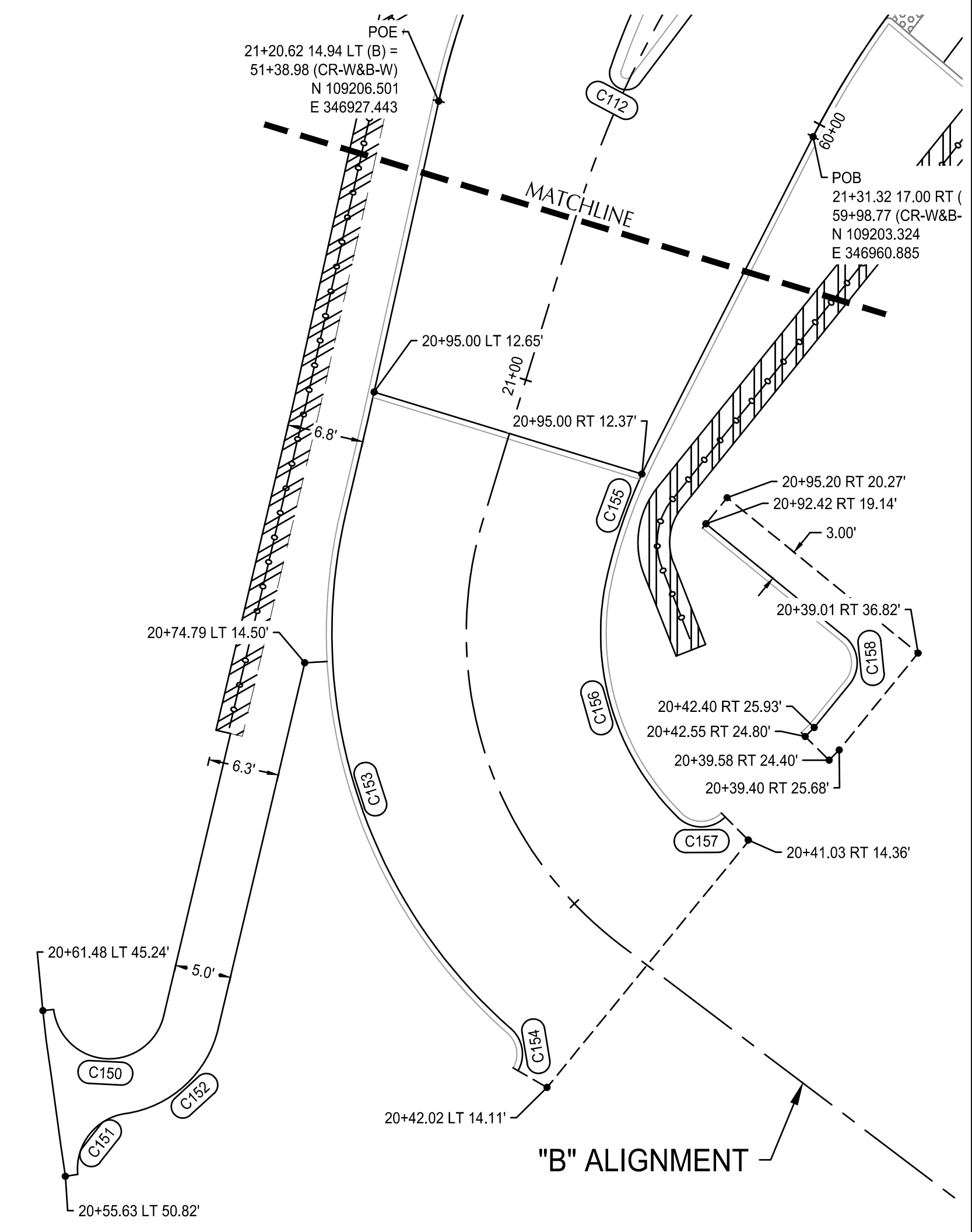
SHEET NO.
C0.05
 SHEET 6 OF 153
 RECORD NO.
 2000067-6

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By Erich Lais at 12:46:16 PM, 05/31/2022

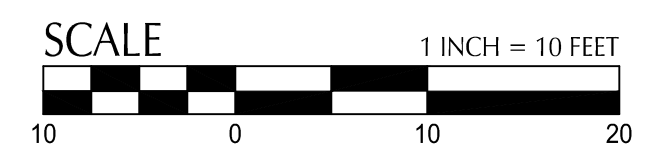
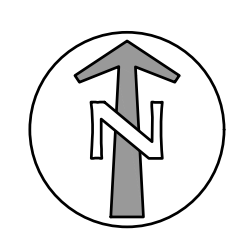


- SHEET NOTES**
- SEE SHEET C0.07 FOR ALIGNMENT DATA TABLES AND RADIUS TABLES.
 - SEE SHEET C3.13 FOR CURB RETURN PROFILES.
 - SEE SHEETS C2.24-C2.26 FOR GRADING DETAILS.



File: N:\proj\2020\0607-Dollar-Street-MS-CAD\PLT\PUBLIC\2000067-C0.07-HC.dwg TAB: C0.06
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CHECKED BY: DP/CV
PLOT DATE: 5/26/22 8:20am
PLOTTED BY: mmanzer
DWG NAME: 2000067-C0.07-HC.dwg
TAB NAME: C0.06

West Linn, OR 97068
NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS
HORIZONTAL CONTROL PLAN - ROUNDABOUT

SHEET NO.
C0.06
SHEET 7 OF 153
RECORD NO.
2000067-7

CURB RADIUS TABLE								
CURVE #	BEGINNING NORTHING	BEGINNING EASTING	ARC LENGTH	RADIUS	DELTA	CHORD LENGTH	ENDING NORTHING	ENDING EASTING
C100	109316.47	347002.53	5.45'	20.00'	15°36'40"	5.43'	109315.15	347007.80
C102	109331.09	346975.91	9.16'	40.00'	13°07'00"	9.14'	109327.58	346984.35
C103	109323.49	346982.28	1.20'	0.50'	137°42'00"	0.93'	109322.75	346981.72
C104	109300.67	346980.56	4.29'	3.00'	81°57'00"	3.93'	109304.57	346980.05
C105	109311.17	346972.62	4.10'	1.50'	156°28'30"	2.94'	109309.41	346970.27
C106	109296.76	346976.14	2.12'	1.00'	121°34'20"	1.75'	109296.63	346977.88
C107	109296.52	346958.74	1.23'	0.50'	141°20'20"	0.94'	109295.93	346958.00
C108	109295.89	346951.67	7.51'	40.00'	10°45'10"	7.50'	109302.70	346948.56
C112	109209.49	346942.79	4.23'	1.50'	161°27'00"	2.96'	109208.11	346945.41
C113	109225.07	346950.77	17.57'	59.00'	17°03'40"	17.50'	109209.49	346942.79
C114	109226.44	346953.11	1.64'	1.00'	93°50'30"	1.46'	109226.27	346951.65
C116	109236.62	346960.78	1.80'	1.00'	102°58'30"	1.56'	109235.05	346960.73
C117	109245.26	346976.13	3.93'	3.00'	74°58'20"	3.65'	109245.32	346972.48
C118	109242.24	346977.65	2.02'	1.00'	115°30'50"	1.69'	109243.92	346977.83
C119	109242.24	346977.65	10.87'	39.00'	15°58'20"	10.84'	109236.15	346968.68
C120	109236.15	346968.68	5.09'	92.00'	3°10'20"	5.09'	109232.63	346965.00
C121	109232.58	346963.64	1.50'	1.00'	85°41'00"	1.36'	109232.63	346965.00
C123	109222.48	346956.30	1.51'	1.00'	86°46'20"	1.37'	109223.85	346956.15
C124	109237.56	347036.90	4.68'	3.00'	89°28'10"	4.22'	109233.35	347037.29
C125	109223.68	347048.82	1.57'	1.00'	89°42'20"	1.41'	109223.80	347050.23
C128	109216.45	347059.07	1.58'	1.00'	90°28'10"	1.42'	109215.03	347059.19
C129	109203.41	347073.08	4.45'	1.50'	170°02'40"	2.99'	109205.53	347075.19
C130	109219.54	347063.38	1.68'	1.00'	96°14'30"	1.49'	109219.58	347061.90
C131	109227.67	347053.72	1.55'	1.00'	88°36'10"	1.40'	109229.06	347053.70
C132	109243.58	347043.73	17.70'	49.00'	20°42'10"	17.61'	109229.06	347053.70
C133	109243.58	347043.73	2.03'	1.00'	116°23'50"	1.70'	109243.81	347042.05
C134	109274.56	347005.89	37.70'	6.00'	360°00'00"	0.00'	109274.56	347005.89
C135	109297.90	347042.53	3.93'	3.00'	75°05'10"	3.66'	109297.91	347046.19
C136	109306.24	347056.91	1.46'	1.00'	83°35'00"	1.33'	109307.55	347057.15
C140	109313.96	347066.71	1.54'	1.00'	88°02'20"	1.39'	109313.60	347068.05
C141	109316.67	347074.11	6.79'	88.00'	4°25'20"	6.79'	109313.60	347068.05
C142	109316.67	347074.11	4.29'	1.50'	163°42'00"	2.97'	109319.52	347073.27
C143	109318.41	347065.74	1.92'	1.00'	110°02'20"	1.64'	109316.95	347065.00
C145	109312.25	347054.48	1.60'	1.00'	91°46'00"	1.44'	109312.65	347053.10
C146	109312.65	347053.10	11.23'	110.00'	5°50'50"	11.22'	109306.62	347043.64
C147	109303.11	347038.01	6.64'	55.00'	6°54'50"	6.63'	109306.62	347043.64
C148	109303.11	347038.01	1.99'	1.00'	114°13'50"	1.68'	109301.43	347037.88
C149	109341.75	347059.13	5.75'	19.50'	16°53'50"	5.73'	109340.26	347053.60
C153	109169.77	346919.16	50.88'	47.00'	62°01'10"	48.43'	109123.64	346933.89
C154	109123.64	346933.89	4.11'	3.00'	78°33'30"	3.80'	109119.89	346934.52
C155	109175.23	346946.57	11.55'	50.00'	13°14'00"	11.52'	109164.43	346942.56
C156	109164.43	346942.56	23.82'	23.00'	59°19'50"	22.77'	109142.54	346948.80
C157	109142.54	346948.80	4.69'	3.00'	89°32'00"	4.23'	109142.56	346953.02
C158	109158.65	346963.71	4.71'	3.00'	90°00'00"	4.24'	109154.43	346964.14
C161	109250.99	346948.70	6.35'	4.00'	91°01'10"	5.71'	109245.28	346948.71
C162	109223.79	347004.64	18.71'	45.50'	23°33'20"	18.58'	109215.03	347021.02
C163	109211.43	347034.66	6.28'	4.00'	90°00'00"	5.66'	109211.93	347040.30
C164	109249.13	347070.88	8.84'	20.50'	24°43'00"	8.77'	109241.82	347075.74
C165	109240.02	347065.65	4.95'	4.00'	70°51'10"	4.64'	109244.60	347066.34
C166	109246.95	347065.29	30.11'	46.50'	37°06'10"	29.59'	109276.51	347063.89
C167	109276.51	347063.89	10.07'	26.50'	21°45'50"	10.01'	109285.45	347068.39
C168	109285.45	347068.39	4.95'	4.00'	70°54'20"	4.64'	109290.08	347068.57
C169	109274.87	347069.66	14.56'	20.50'	40°42'20"	14.26'	109286.38	347078.08
C170	109341.15	347071.94	6.55'	10.00'	37°32'30"	6.44'	109342.50	347065.64
C171	109327.67	347042.13	6.35'	4.00'	90°55'10"	5.70'	109326.21	347047.64

EDGE OF SIDEWALK RADIUS TABLE								
CURVE #	BEGINNING NORTHING	BEGINNING EASTING	ARC LENGTH	RADIUS	DELTA	CHORD LENGTH	ENDING NORTHING	ENDING EASTING
C101	109339.06	346974.92	12.21'	25.00'	27°58'30"	12.09'	109333.01	346985.38
C109	109293.50	346946.68	11.70'	25.00'	26°49'20"	11.60'	109303.27	346940.43
C110	109243.35	346933.23	9.82'	10.00'	56°15'30"	9.43'	109234.14	346931.22
C111	109226.78	346931.44	7.44'	15.00'	28°24'20"	7.36'	109234.14	346931.22
C115	109231.42	346955.74	5.50'	98.00'	3°13'00"	5.50'	109227.13	346952.30
C122	109227.53	346960.31	5.50'	92.00'	3°25'40"	5.50'	109223.23	346956.87
C138	109313.13	347067.22	5.50'	88.00'	3°34'50"	5.50'	109310.26	347062.53
C144	109318.21	347064.34	5.53'	110.00'	2°52'40"	5.53'	109315.92	347059.31
C150	109125.37	346893.05	13.95'	5.00'	159°50'30"	9.85'	109124.81	346902.88
C151	109110.54	346895.21	7.71'	5.00'	88°20'10"	6.97'	109116.07	346899.46
C152	109116.07	346899.46	11.94'	10.00'	68°24'50"	11.24'	109123.66	346907.75

CR-W&B-W										
Number	START STATION	END STATION	Length	Line/Chord Direction	PI NORTHING	PI EASTING	Radius	Δ	M	T
L50	50+00.00	50+10.00	10.000	S45° 58' 45.91"E						
L51	50+10.00	50+14.13	4.130	S38° 33' 37.66"E						
C50	50+14.13	50+20.17	6.039	S34° 14' 07.96"E	109305.327	346947.048	40.000	008° 38' 59"	0.11	3.025
C51	50+20.17	50+28.74	8.570	S54° 27' 46.43"E	109298.745	346950.834	10.000	049° 06' 16"	0.90	4.568
C52	50+28.74	50+37.34	8.602	S54° 23' 26.04"E	109297.002	346959.823	10.000	049° 17' 12"	0.91	4.588
C53	50+37.34	50+45.98	8.640	S28° 15' 54.57"E	109289.268	346964.243	167.000	002° 57' 51"	0.06	4.321
C54	50+45.98	50+79.85	33.870	S12° 01' 42.76"W	109267.459	346975.251	25.000	077° 37' 24"	5.52	20.109
C55	50+79.85	51+09.50	29.648	S43° 15' 23.62"W	109245.344	346948.097	112.000	015° 10' 02"	0.98	14.911
C56	51+09.50	51+38.98	29.482	S24° 06' 10.58"W	109221.090	346930.686	73.000	023° 08' 24"	1.48	14.945

CR-W&B-S										
Number	START STATION	END STATION	Length	Line/Chord Direction	PI NORTHING	PI EASTING	Radius	Δ	M	T
C60	59+98.77	60+27.19	28.426	N37° 26' 13.14"E	109216.131	346967.409	78.000	020° 52' 51"	1.29	14.373
C61	60+27.19	60+51.13	23.937	N75° 18' 27.86"E	109234.473	346987.693	25.000	054° 51' 38"	2.81	12.976
C62	60+51.13	60+98.56	47.435	S63° 40' 22.64"E	109226.283	347023.927	100.000	027° 10' 41"	2.80	24.172
L60	60+98.56	61+50.00	51.432	S50° 05' 02.21"E						

CR-W&B-N										
Number	START STATION	END STATION	Length	Line/Chord Direction	PI NORTHING	PI EASTING	Radius	Δ	M	T
C40	40+00.00	40+46.11	46.106	S65° 13' 29.12"W	109331.546	347054.526	124.000	021° 18' 14"	2.14	23.322
C41	40+46.11	40+91.31	45.202	S86° 09' 24.28"W	109303.415	347014.981	41.000	063° 10' 05"	6.07	25.208
C42	40+91.31	41+00.04	8.729	N60° 35' 31.46"W	109317.180	346988.806	150.000	003° 20' 04"	0.06	4.366
C43	41+00.04	41+07.47	7.429	N37° 38' 35.59"W	109321.444	346981.731	10.000	042° 33' 48"	0.68	3.895
C44	41+07.47	41+15.23	7.759	N38° 36' 47.46"W	109329.102	346979.481	10.000	044° 27' 13"	0.74	4.086
C45	41+15.23	41+22.15	6.924	N55° 52' 47.58"W	109332.784	346972.882	40.000	009° 55' 05"	0.15	3.471
L40	41+22.15	41+25.35	3.197	N50° 55' 15.04"W						
L41	41+25.35	41+40.00	14.659	N45° 58' 45.91"W						

CR-W&B-E										
Number	START STATION	END STATION	Length	Line/Chord Direction	PI NORTHING	PI EASTING	Radius	Δ	M	T
L70	70+00.00	70+54.02	54.022	N45° 58' 45.89"W						
C70	70+54.02	71+12.82	58.801	N02° 09' 00.44"E	109265.579	347036.049	35.000	096° 15' 33"	11.64	39.049
C71	71+12.82	71+73.36	60.537	N75° 03' 17.84"E	109311.179	347090.935	70.000	049° 33' 02"	6.44	32.308

CR-W&B-CNTR										
Number	START STATION	END STATION	Length	Line/Chord Direction	PI NORTHING	PI EASTING	Radius	Δ	M	T
C80	80+00.00	81+38.23	138.230	N44° 01' 27.38"E	109285.676	346994.388	22.000	359° 59' 59"	44.00	0.000

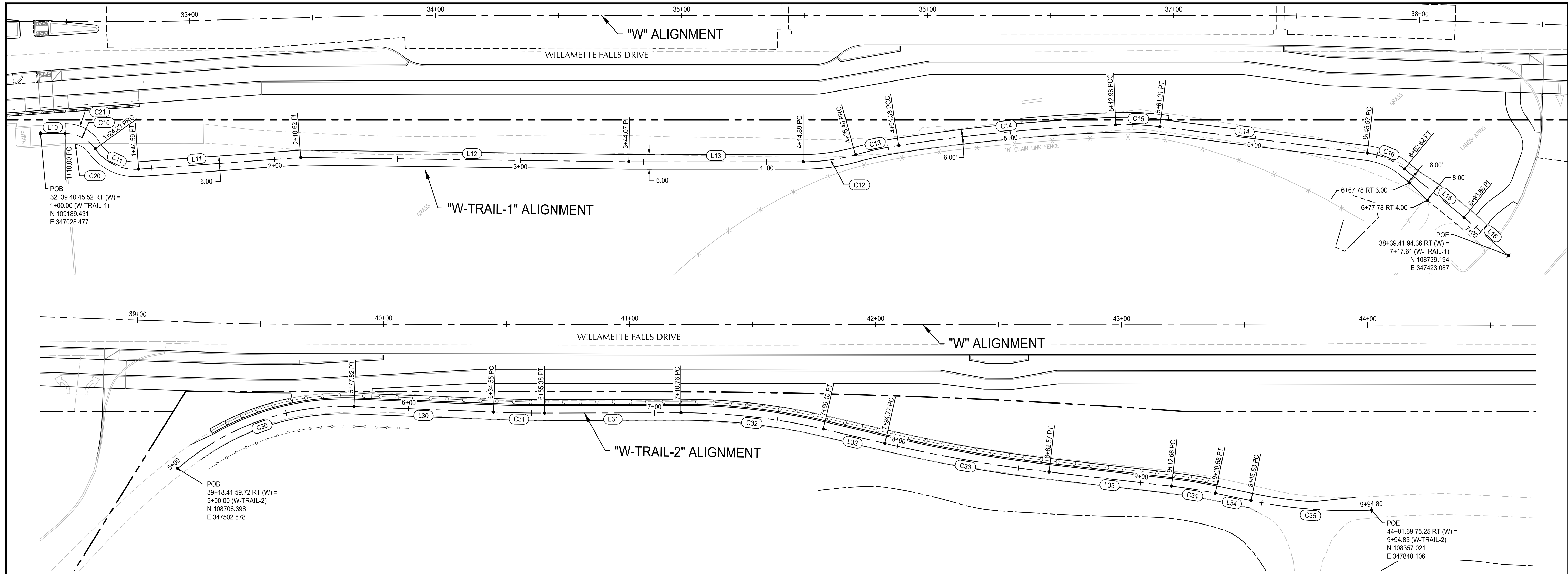
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 Plotted: 3/26/22 at 8:20am By: mmanzer

REVISION	DATE	DESCRIPTION

APPROVED
 By Erich Lais at 12:46:28 PM, 05/31/2022



111 SW Fifth Ave., Suite 2600



W-TRAIL-1										
Number	START STATION	END STATION	Length	Line/Chord Direction	PI NORTHING	PI EASTING	Radius	Δ	M	T
L10	1+00.00	1+10.00	10.000	S46° 06' 15.42"E						
C10	1+10.00	1+24.23	14.230	S18° 55' 34.38"E	109177.157	347041.233	15.000	054° 21' 22"	1.66	7.702
C11	1+24.23	1+44.59	20.363	S20° 54' 57.78"E	109158.488	347038.526	20.000	058° 20' 09"	2.54	11.163
L11	1+44.59	2+10.62	66.026	S50° 05' 02.21"E						
L12	2+10.62	3+44.07	133.449	S45° 14' 00.57"E						
L13	3+44.07	4+14.89	70.818	S45° 58' 45.89"E						
C12	4+14.89	4+36.40	21.511	S53° 40' 59.04"E	108958.249	347251.180	80.000	015° 24' 23"	0.72	10.821
C13	4+36.40	4+54.33	17.928	S58° 04' 21.83"E	108948.769	347268.558	155.000	006° 37' 37"	0.26	8.974
C14	4+54.33	5+42.98	88.657	S51° 26' 21.05"E	108917.985	347312.132	765.000	006° 38' 24"	1.28	44.378
C15	5+42.98	5+61.01	18.026	S43° 25' 28.12"E	108882.328	347351.899	110.000	009° 23' 22"	0.37	9.033
L14	5+61.01	6+45.97	84.962	S38° 43' 47.33"E						
C16	6+45.97	6+62.62	16.650	S22° 49' 47.61"E	108802.335	347416.053	30.000	031° 47' 59"	1.15	8.546
L15	6+62.62	6+93.86	31.240	S06° 55' 47.91"E						
L16	6+93.86	7+17.61	23.751	S05° 23' 42.47"E						

EDGE OF SIDEWALK RADIUS TABLE								
CURVE #	BEGINNING NORTHING	BEGINNING EASTING	ARC LENGTH	RADIUS	DELTA	CHORD LENGTH	ENDING NORTHING	ENDING EASTING
C20	109178.41	347034.17	9.43'	10.00'	54°00'10"	9.08'	109169.82	347037.14
C21	109185.10	347038.75	16.25'	16.00'	58°11'10"	15.56'	109170.22	347043.30

W-TRAIL-2										
Number	START STATION	END STATION	Length	Line/Chord Direction	PI NORTHING	PI EASTING	Radius	Δ	M	T
C30	5+00.00	5+77.82	77.823	S65° 21' 24.90"E	108704.261	347543.697	103.000	043° 17' 26"	7.26	40.875
L30	5+77.82	6+34.55	56.726	S43° 42' 42.09"E						
C31	6+34.55	6+55.38	20.835	S44° 53' 36.99"E	108626.181	347618.342	505.000	002° 21' 50"	0.11	10.419
L31	6+55.38	7+10.76	55.373	S46° 04' 31.89"E						
C32	7+10.76	7+69.10	58.339	S39° 28' 10.59"E	108560.215	347686.832	253.000	013° 12' 43"	1.68	29.300
L32	7+69.10	7+94.77	25.678	S32° 51' 49.29"E						
C33	7+94.77	8+62.57	67.794	S36° 07' 00.81"E	108485.534	347735.078	597.000	006° 30' 23"	0.96	33.934
L33	8+62.57	9+12.66	50.090	S39° 22' 12.33"E						
C34	9+12.66	9+30.68	18.024	S36° 49' 35.56"E	108413.607	347794.097	203.000	005° 05' 14"	0.20	9.018
L34	9+30.68	9+45.53	14.845	S34° 16' 58.80"E						
C35	9+45.53	9+94.85	49.321	S41° 27' 19.19"E	108373.406	347821.503	197.000	014° 20' 41"	1.54	24.790

APPROVED
By Erich Lais at 12:46:41 PM, 05/31/2022

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Plotted: 5/26/22 at 8:20am By: mmanzer

REVISION	DATE	DESCRIPTION

SCALE

111 SW Fifth Ave., Suite 2600
Portland, OR 97204
O: 503.542.3860
F: 503.224.4681
www.kpff.com

JOB No.: 2000067
DESIGNED BY: LB/TK/MM/JG/NP
DRAWN BY: SB/RC
CHECKED BY: DP/CV
PLOT DATE: 5/26/22 8:20am
PLOTTED BY: mmanzer
DWG NAME: 2000067-CO.08-HC.dwg
TAB NAME: C0.08

West Linn, OR 97068

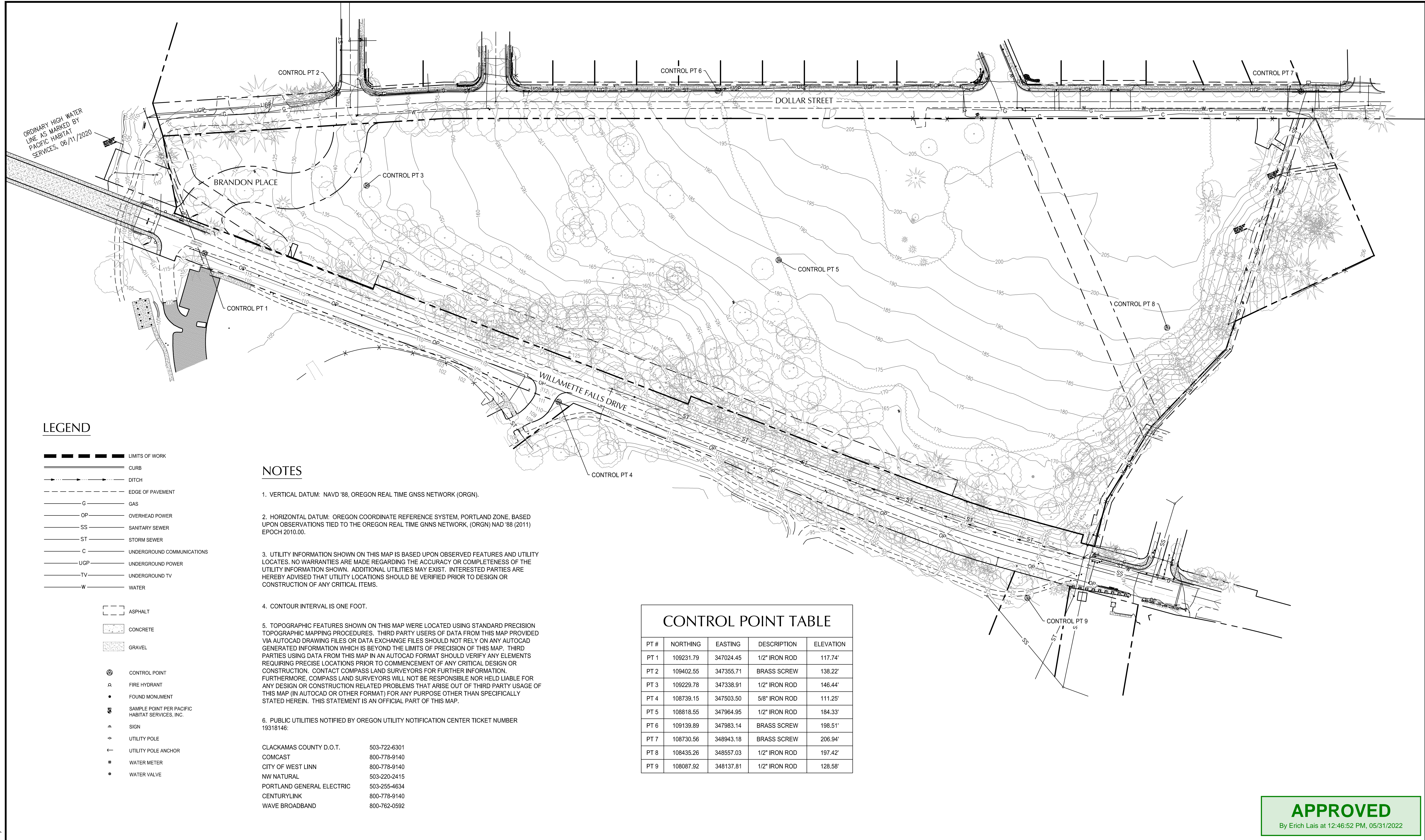
NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS

HORIZONTAL CONTROL PLAN - WFD TRAILS

SHEET NO.

C0.08

SHEET 9 OF 153
RECORD NO.
2000067-9



LEGEND

- LIMITS OF WORK
- CURB
- - - DITCH
- - - EDGE OF PAVEMENT
- G GAS
- OP OVERHEAD POWER
- SS SANITARY SEWER
- ST STORM SEWER
- C UNDERGROUND COMMUNICATIONS
- UGP UNDERGROUND POWER
- TV UNDERGROUND TV
- W WATER

- ASPHALT
- CONCRETE
- GRAVEL
- ⊙ CONTROL POINT
- ▲ FIRE HYDRANT
- FOUND MONUMENT
- ⊗ SAMPLE POINT PER PACIFIC HABITAT SERVICES, INC.
- ▲ SIGN
- ◇ UTILITY POLE
- └ UTILITY POLE ANCHOR
- WATER METER
- WATER VALVE

NOTES

- VERTICAL DATUM: NAVD '88, OREGON REAL TIME GNSS NETWORK (ORGN).
- HORIZONTAL DATUM: OREGON COORDINATE REFERENCE SYSTEM, PORTLAND ZONE, BASED UPON OBSERVATIONS TIED TO THE OREGON REAL TIME GNSS NETWORK, (ORGN) NAD '88 (2011) EPOCH 2010.00.
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- CONTOUR INTERVAL IS ONE FOOT.
- TOPOGRAPHIC FEATURES SHOWN ON THIS MAP WERE LOCATED USING STANDARD PRECISION TOPOGRAPHIC MAPPING PROCEDURES. THIRD PARTY USERS OF DATA FROM THIS MAP PROVIDED VIA AUTOCAD DRAWING FILES OR DATA EXCHANGE FILES SHOULD NOT RELY ON ANY AUTOCAD GENERATED INFORMATION WHICH IS BEYOND THE LIMITS OF PRECISION OF THIS MAP. THIRD PARTIES USING DATA FROM THIS MAP IN AN AUTOCAD FORMAT SHOULD VERIFY ANY ELEMENTS REQUIRING PRECISE LOCATIONS PRIOR TO COMMENCEMENT OF ANY CRITICAL DESIGN OR CONSTRUCTION. CONTACT COMPASS LAND SURVEYORS FOR FURTHER INFORMATION. FURTHERMORE, COMPASS LAND SURVEYORS WILL NOT BE RESPONSIBLE NOR HELD LIABLE FOR ANY DESIGN OR CONSTRUCTION RELATED PROBLEMS THAT ARISE OUT OF THIRD PARTY USAGE OF THIS MAP (IN AUTOCAD OR OTHER FORMAT) FOR ANY PURPOSE OTHER THAN SPECIFICALLY STATED HEREIN. THIS STATEMENT IS AN OFFICIAL PART OF THIS MAP.
- PUBLIC UTILITIES NOTIFIED BY OREGON UTILITY NOTIFICATION CENTER TICKET NUMBER 19318146.

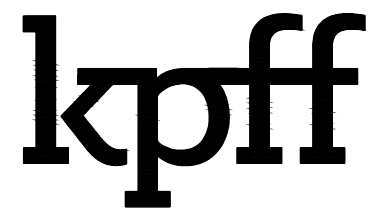
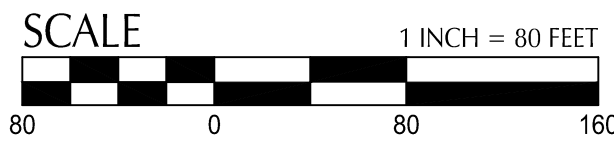
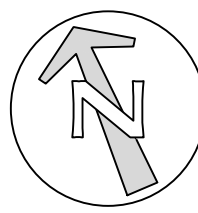
CLACKAMAS COUNTY D.O.T.	503-722-6301
COMCAST	800-778-9140
CITY OF WEST LINN	800-778-9140
NW NATURAL	503-220-2415
PORTLAND GENERAL ELECTRIC	503-255-4634
CENTURYLINK	800-778-9140
WAVE BROADBAND	800-762-0592

CONTROL POINT TABLE				
PT #	NORTHING	EASTING	DESCRIPTION	ELEVATION
PT 1	109231.79	347024.45	1/2" IRON ROD	117.74'
PT 2	109402.55	347355.71	BRASS SCREW	138.22'
PT 3	109229.78	347338.91	1/2" IRON ROD	146.44'
PT 4	108739.15	347503.50	5/8" IRON ROD	111.25'
PT 5	108818.55	347964.95	1/2" IRON ROD	184.33'
PT 6	109139.89	347983.14	BRASS SCREW	198.51'
PT 7	108730.56	348943.18	BRASS SCREW	206.94'
PT 8	108435.26	348557.03	1/2" IRON ROD	197.42'
PT 9	108087.92	348137.81	1/2" IRON ROD	128.58'

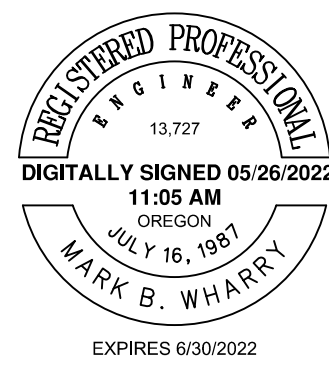
APPROVED
By Erich Lais at 12:46:52 PM, 05/31/2022

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Plotted: 5/26/22 at 02:10am By: mmanzer

REVISION	DATE	DESCRIPTION



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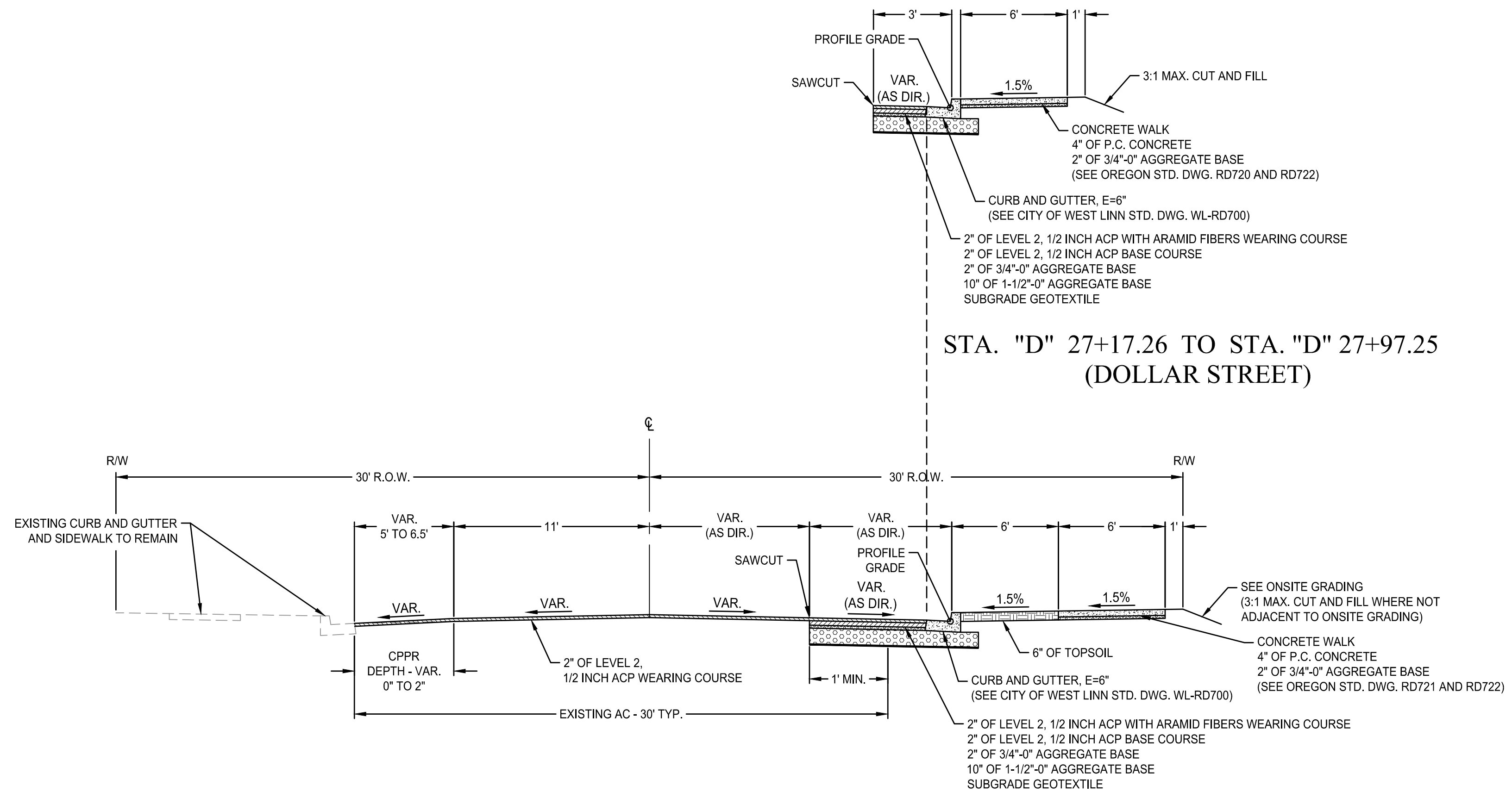
JOB No.: 2000067
DESIGNED BY: LB/TK/MM/JG/NP
DRAWN BY: SB/RC
CHECKED BY: DP/CV
PLOT DATE: 5/26/22 8:21am
PLOTTED BY: mmanzer
DWC NAME: 2000067-C1.00-EXST.dwg
TAB NAME: C1.00

West Linn, OR 97068

NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS

OVERALL EXISTING CONDITIONS PLAN

SHEET NO.
C1.00
SHEET 10 OF 153
RECORD NO.
2000067-10



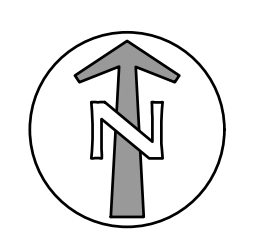
STA. "D" 27+17.26 TO STA. "D" 27+97.25
(DOLLAR STREET)

STA. "D" 10+56.20 TO STA. "D" 27+10.2
(DOLLAR STREET)

APPROVED
By Erich Lais at 12:47:06 PM, 05/31/2022

File: N:\proj\2020\000067-Dollar-Street\MS\CAD\PLT\PUBLIC\000067-C2.01-TYP-SECT.dwg TAB: C2.01
 Plotted: 5/26/22 at 0:21am By: mmanzer

REVISION	DATE	DESCRIPTION



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JOB No.:	2000067
DESIGNED BY:	LB/TK/MM/JG/NP
DRAWN BY:	SB/RC
CHECKED BY:	DP/CV
PLOT DATE:	5/26/22 8:21am
PLOTTED BY:	mmanzer
DWG NAME:	2000067-C2.01-TYP-SECT.dwg
TAB NAME:	C2.01

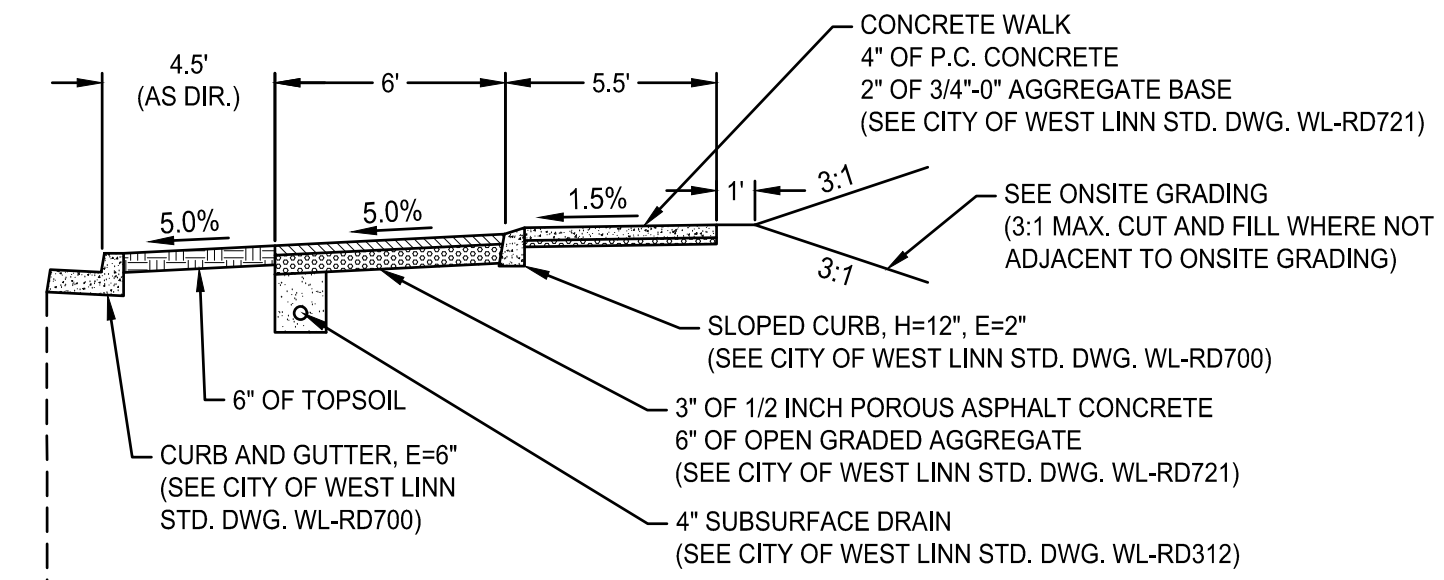
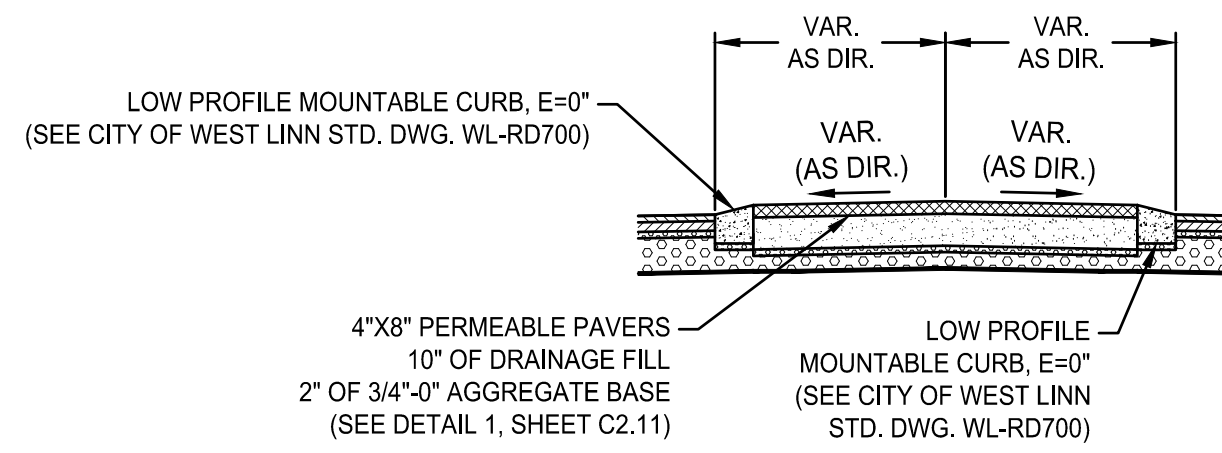
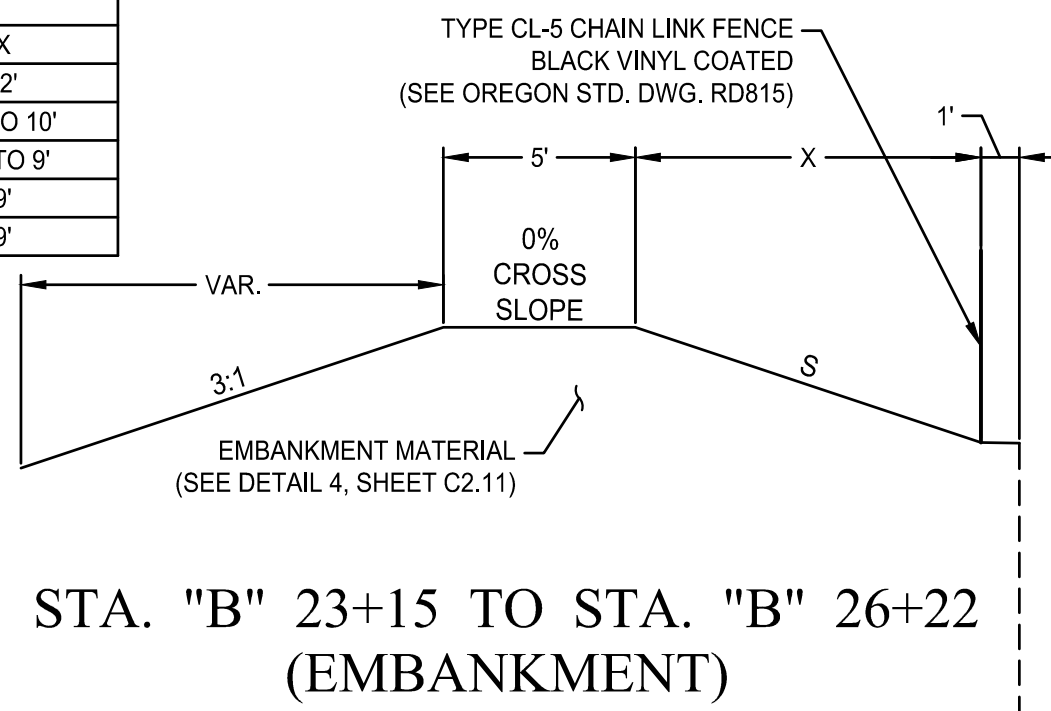
West Linn, OR 97068

NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS

TYPICAL SECTIONS

SHEET NO.	
C2.01	
SHEET 11	OF 153
RECORD NO.	2000067-11

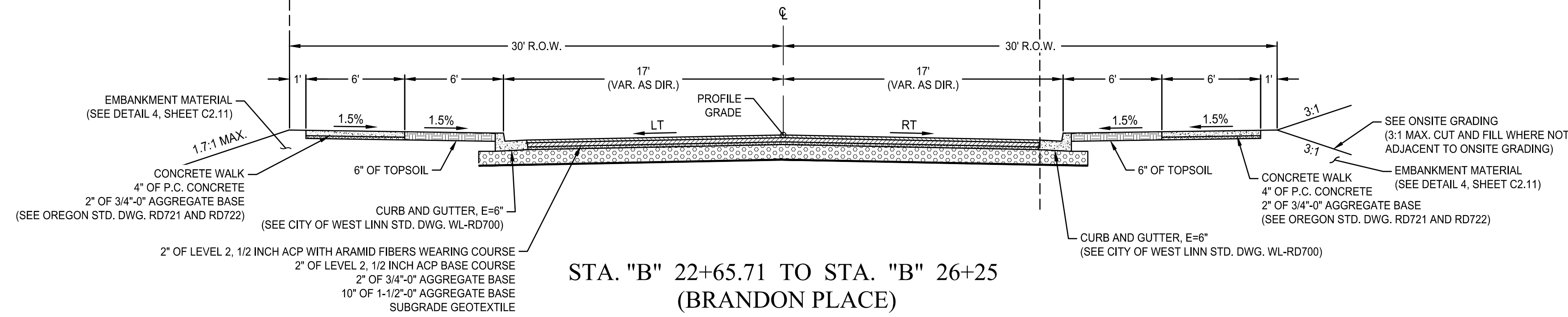
BERM GRADING TABLE			
BEGIN STATION	END STATION	S	X
"B" 23+15.00	"B" 23+60.00	2:1	12'
"B" 23+60.00	"B" 24+14.69	2:1	12' TO 10'
"B" 24+14.69	"B" 24+92.00	2:1 TO 2.25:1	10' TO 9'
"B" 24+92.00	"B" 25+60.00	2.25:1 TO 3:1	9'
"B" 25+60.00	"B" 26+22.00	3:1	9'



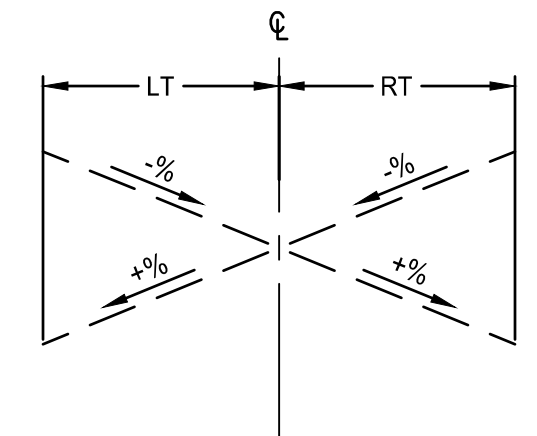
STA. "B" 23+15 TO STA. "B" 26+22
(EMBANKMENT)

SPLITTER ISLAND
(AS DIRECTED)

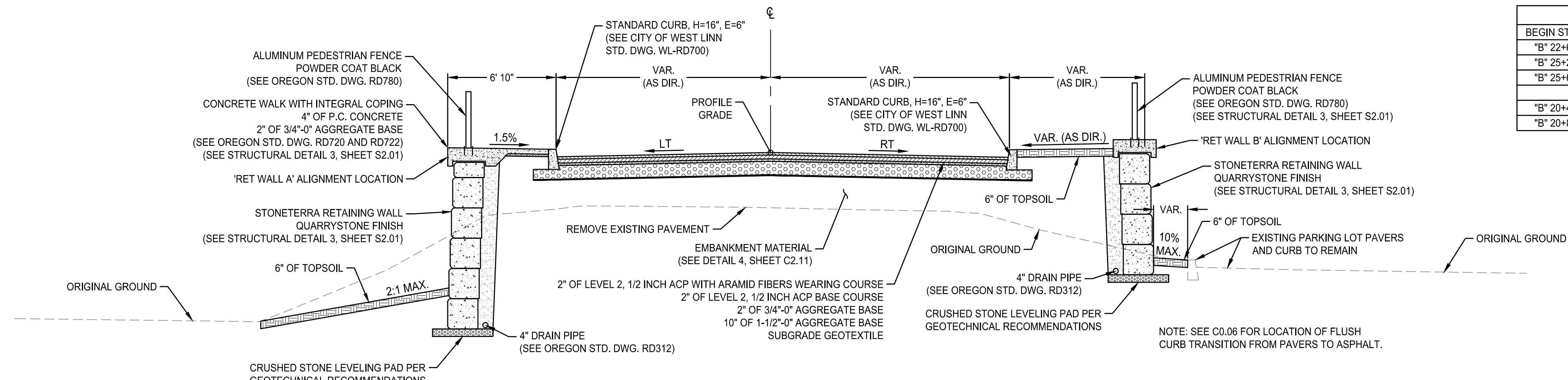
STA. "B" 22+60 TO STA. "B" 25+07
(SEPARATED BIKE PATH AND SIDEWALK)



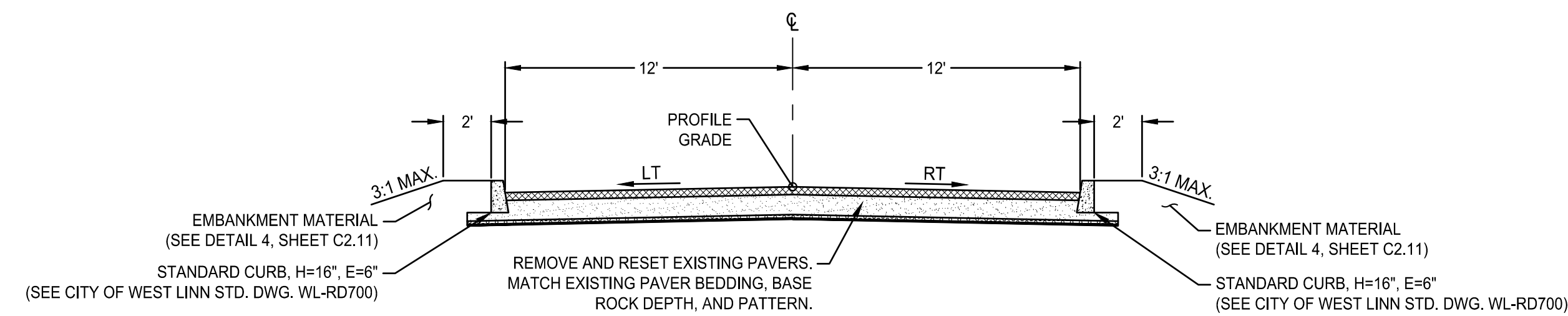
STA. "B" 22+65.71 TO STA. "B" 26+25
(BRANDON PLACE)



CROSS SLOPE TABLE			
BEGIN STATION	END STATION	LT	RT
"B" 22+60.00	"B" 25+25.00	+2.0%	+2.0%
"B" 25+25.00	"B" 25+61.00	+2.0%	+2.0% TO 0.0%
"B" 25+61.00	"B" 26+25.00	+2.0%	0.0% TO -3.5%
"B" 20+41.49	"B" 20+87.04	+1.0% TO +2.0%	-1.5% TO +2.0%
"B" 20+87.04	"B" 21+80.00	+2.0%	+2.0%



STA. "B" 20+73.75 TO STA. "B" 21+74.76
(WEST PARK DRIVEWAY)

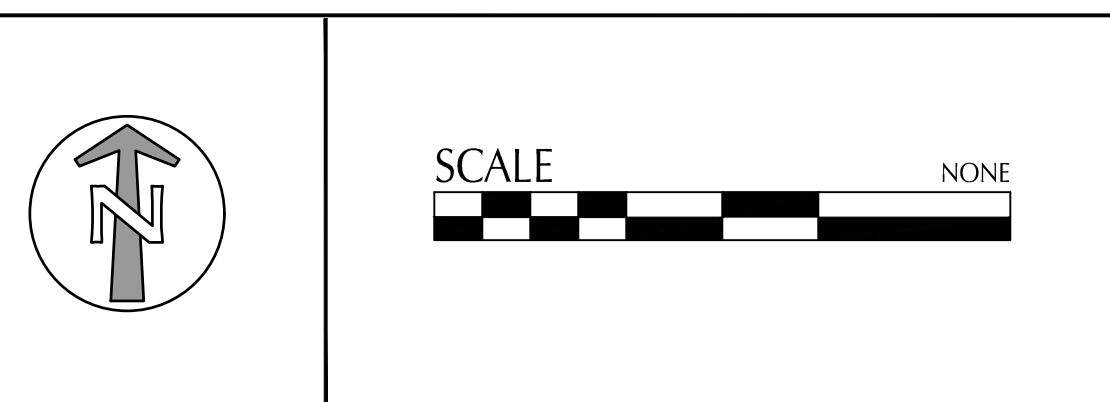


STA. "B" 20+41.49 TO STA. "B" 20+73.75
(WEST PARK DRIVEWAY)

APPROVED
By Erich Lais at 12:47:14 PM, 05/31/2022

File: N:\proj\2020\00067-Dollar-Street\MS\CAD\PLT\PUBLIC\2000067-C2.01-TYP-SECT.dwg TAB: C2.02
Plotted: 5/26/22 at 0:21am By: mmanzer

REVISION	DATE	DESCRIPTION



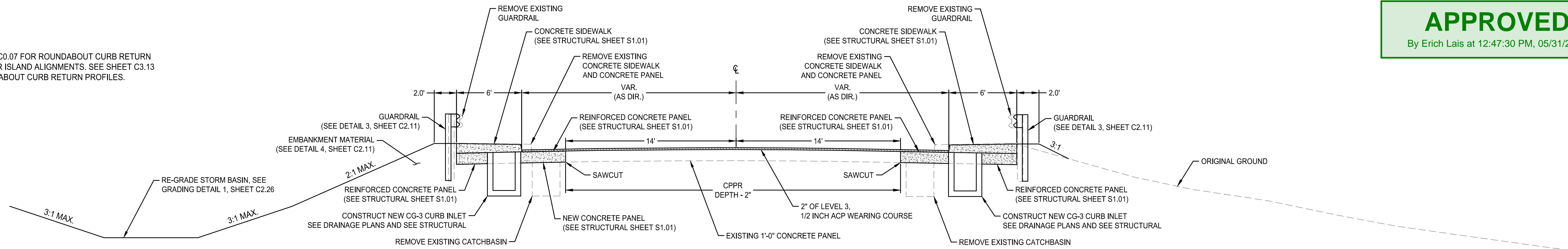
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DRAWN BY:	SB/RC
CHECKED BY:	DP/CV
PLOT DATE:	5/26/22 8:21am
PLOTTED BY:	mmanzer
DWG NAME:	2000067-C2.01-TYP-SECT.dwg
TAB NAME:	C2.02

West Linn, OR 97068
NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS
TYPICAL SECTIONS

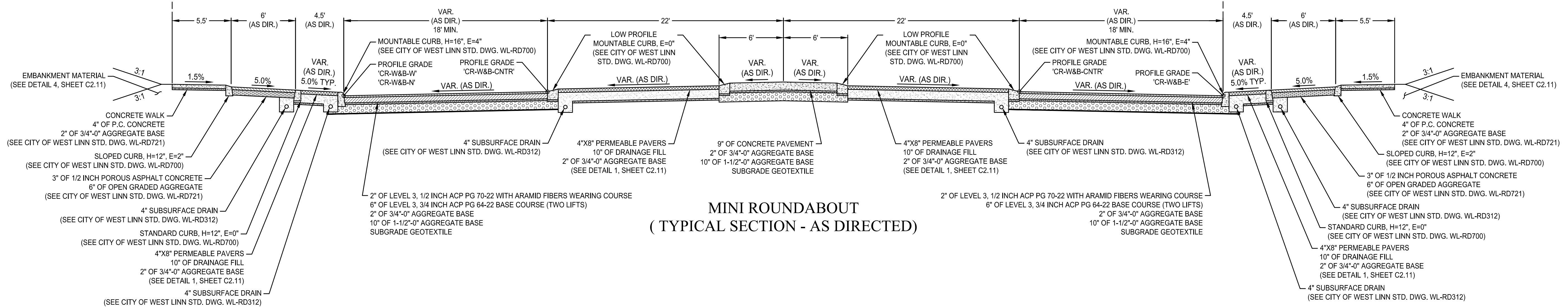
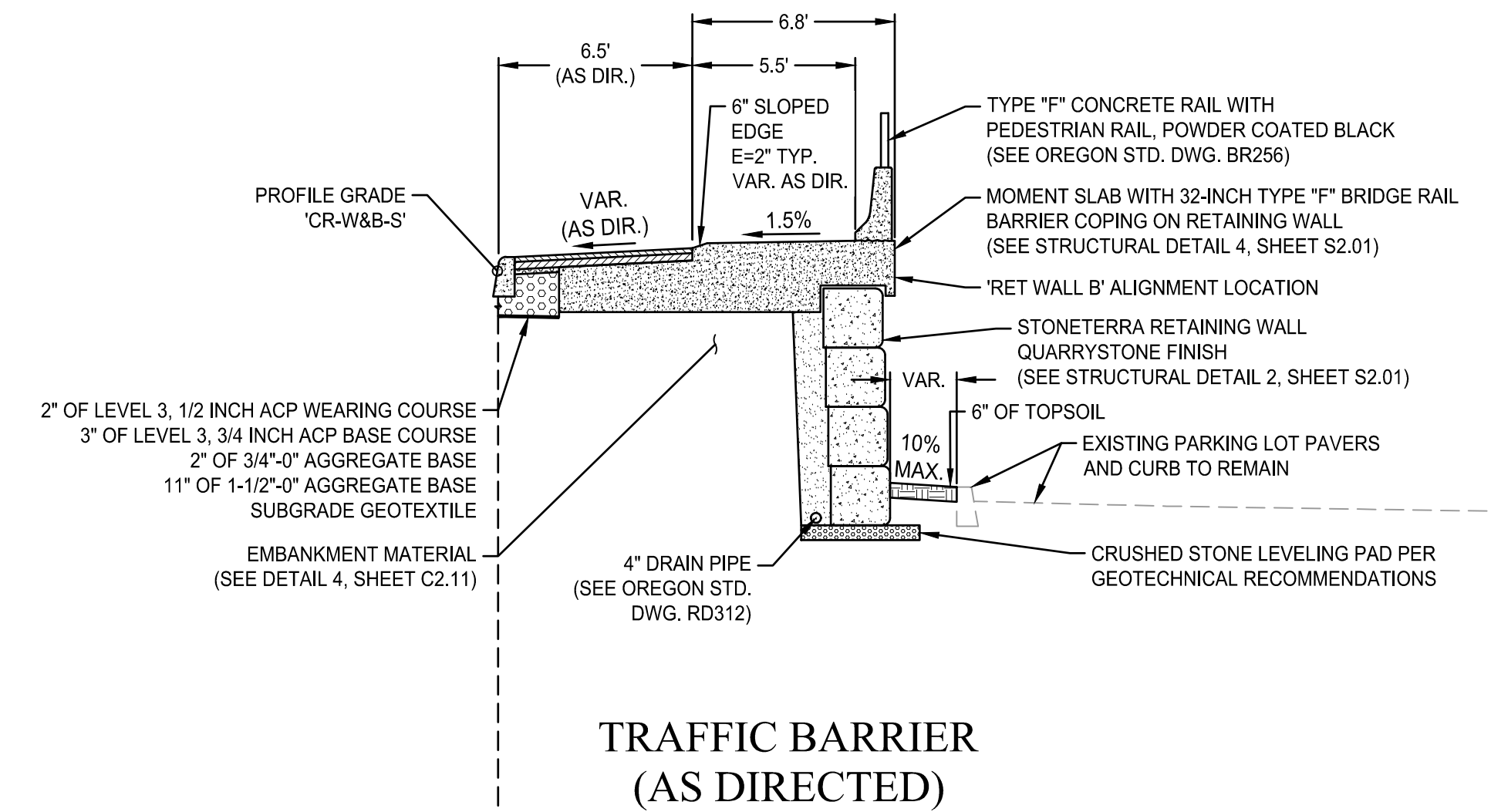
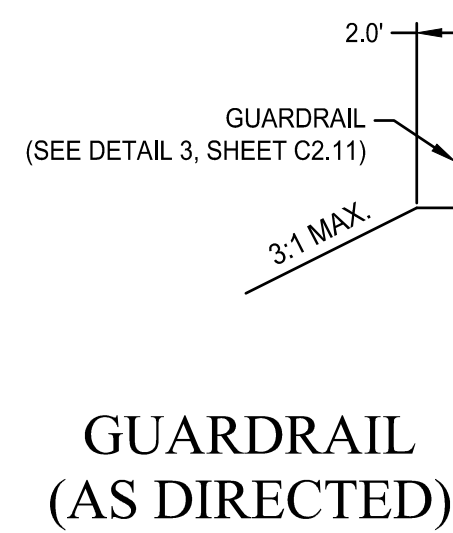
SHEET NO.
C2.02
SHEET 12 OF 153
RECORD NO.
2000067-12

NOTES:

- SEE SHEET C0.07 FOR ROUNDABOUT CURB RETURN AND CENTER ISLAND ALIGNMENTS. SEE SHEET C3.13 FOR ROUNDABOUT CURB RETURN PROFILES.

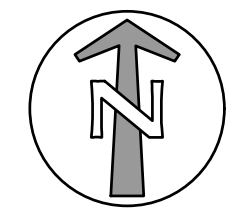


**STA. "W" 30+93.18 TO STA. "W" 31+03.18
(NW APPROACH - MINI ROUNDABOUT)**



File: N:\proj\2020\00067-Dollar-Sheet\MS\CAD\PLT\PUBLIC\2000067-C2.01-TYP-SECT.dwg TAB: C2.03
 Plotted: 5/26/22 at 0:21am By: mmanzer

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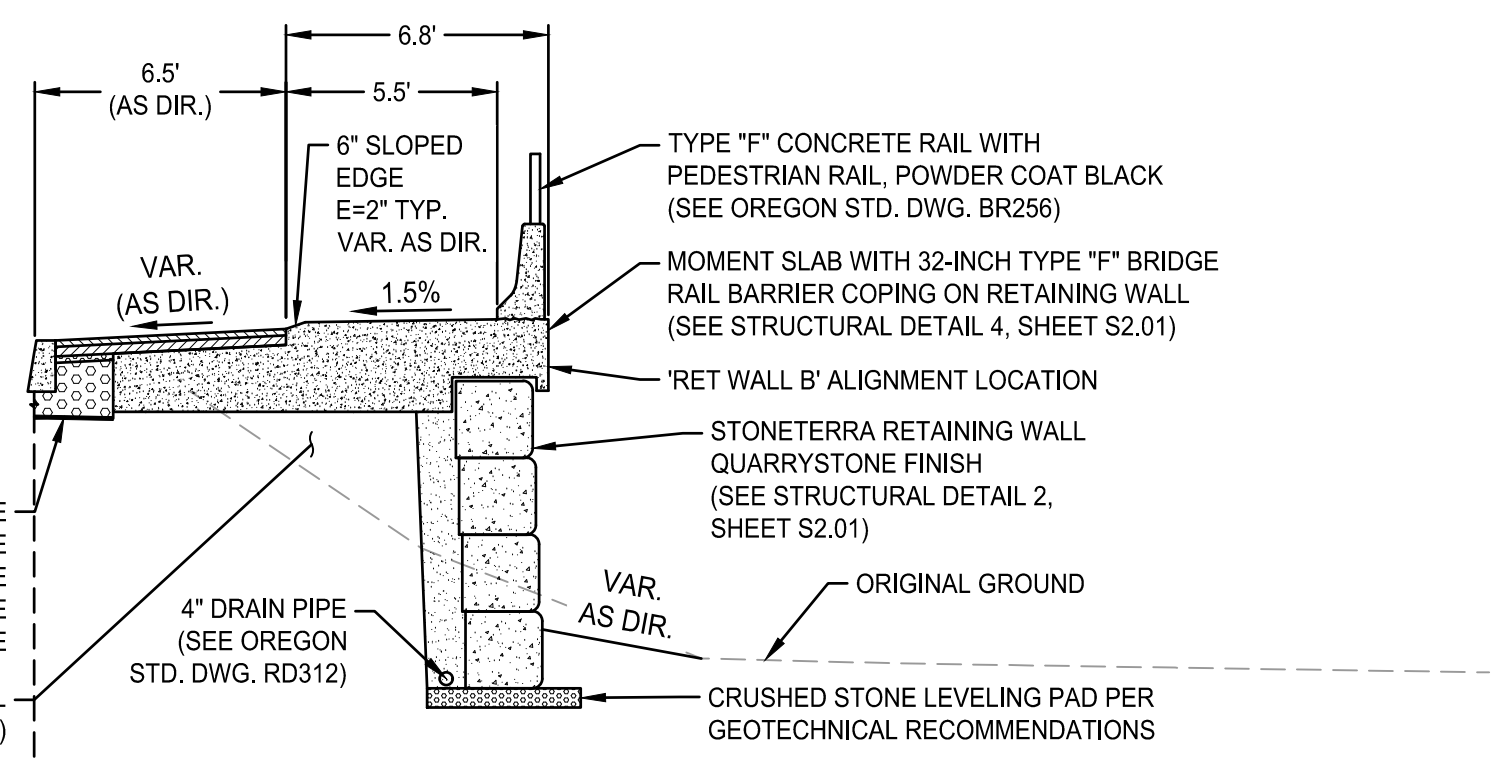
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CHECKED BY:	DP/CV
PLOT DATE:	5/26/22 8:21am
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DWG NAME:	2000067-C2.01-TYP-SECT.dwg
TAB NAME:	C2.03

West Linn, OR 97068
 NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS

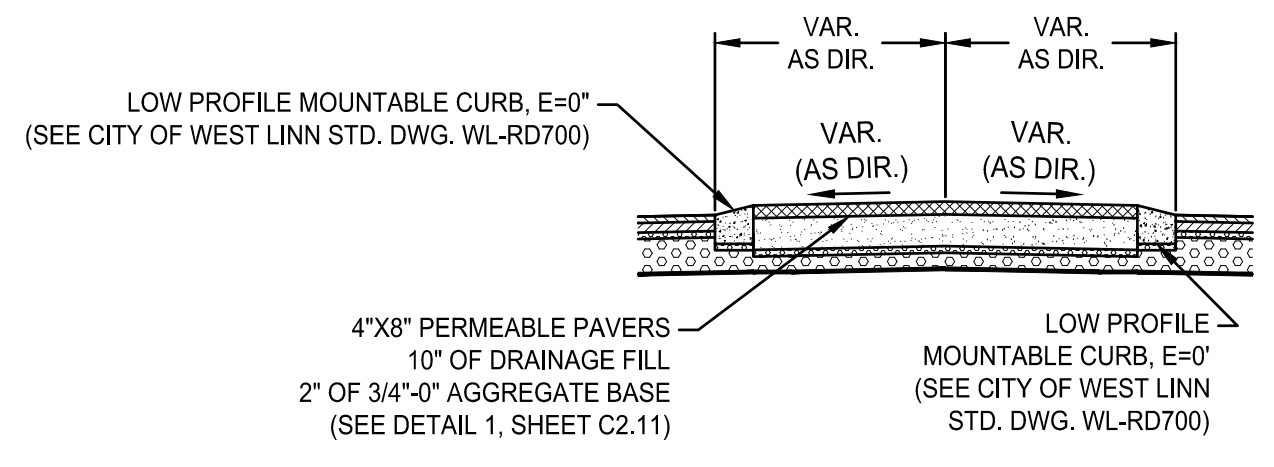
TYPICAL SECTIONS

SHEET NO.	C2.03
SHEET	13 OF 153
RECORD NO.	2000067-13

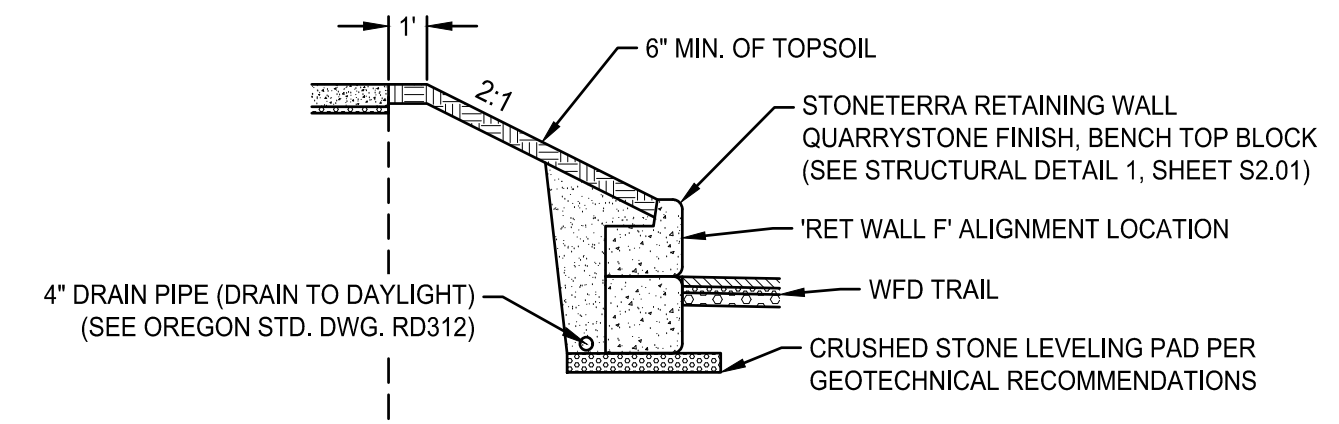
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 Plotted: 5/26/22 at 0:21am By: mmanzer



STA. "W" 32+15.21 TO STA. "W" 32+79.43
(TRAFFIC BARRIER)

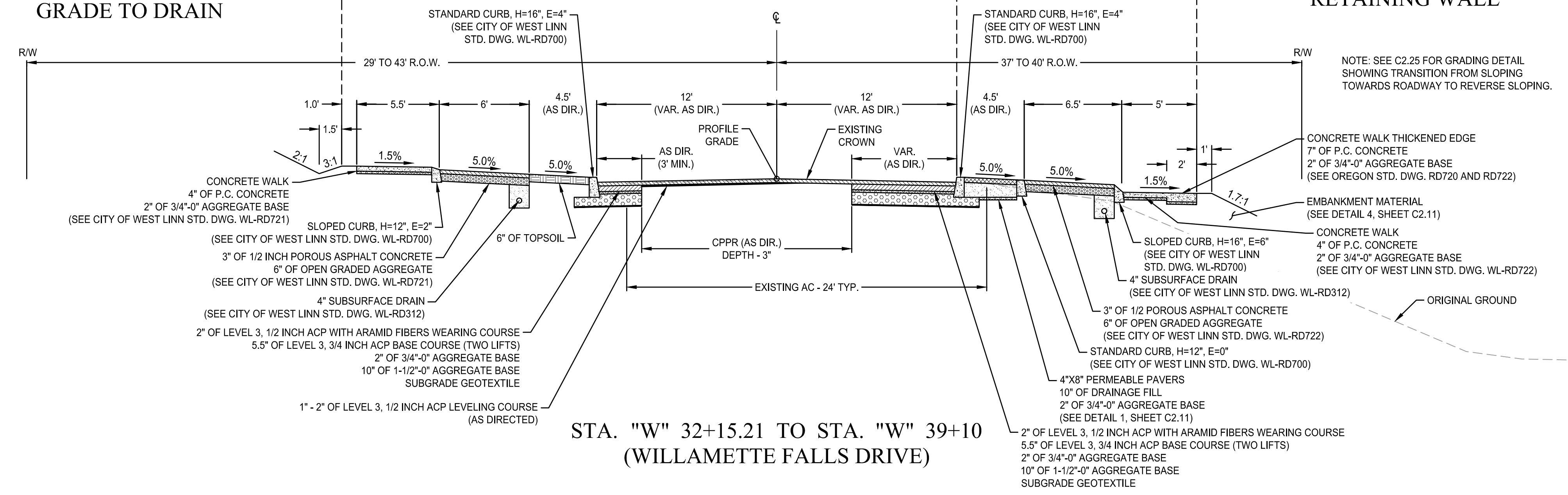


SPLITTER ISLAND
(AS DIRECTED)



"W" 36+38.00 TO STA. "W" 36+97.86
RETAINING WALL

STA. "W" 32+15.21 TO STA. "W" 34+70
2% FILL SLOPE
GRADE TO DRAIN

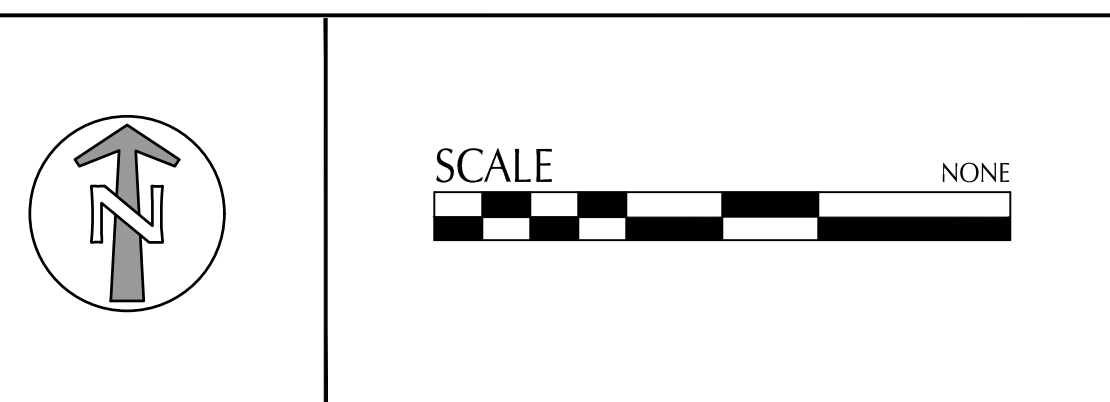


STA. "W" 32+15.21 TO STA. "W" 39+10
(WILLAMETTE FALLS DRIVE)

NOTE: SEE C2.25 FOR GRADING DETAIL
SHOWING TRANSITION FROM SLOPING
TOWARDS ROADWAY TO REVERSE SLOPING.

APPROVED
 By Erich Lais at 12:47:42 PM, 05/31/2022

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DWG NAME:	2000067-C2.01-TYP-SECT.dwg
TAB NAME:	C2.04

West Linn, OR 97068

NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS

TYPICAL SECTIONS

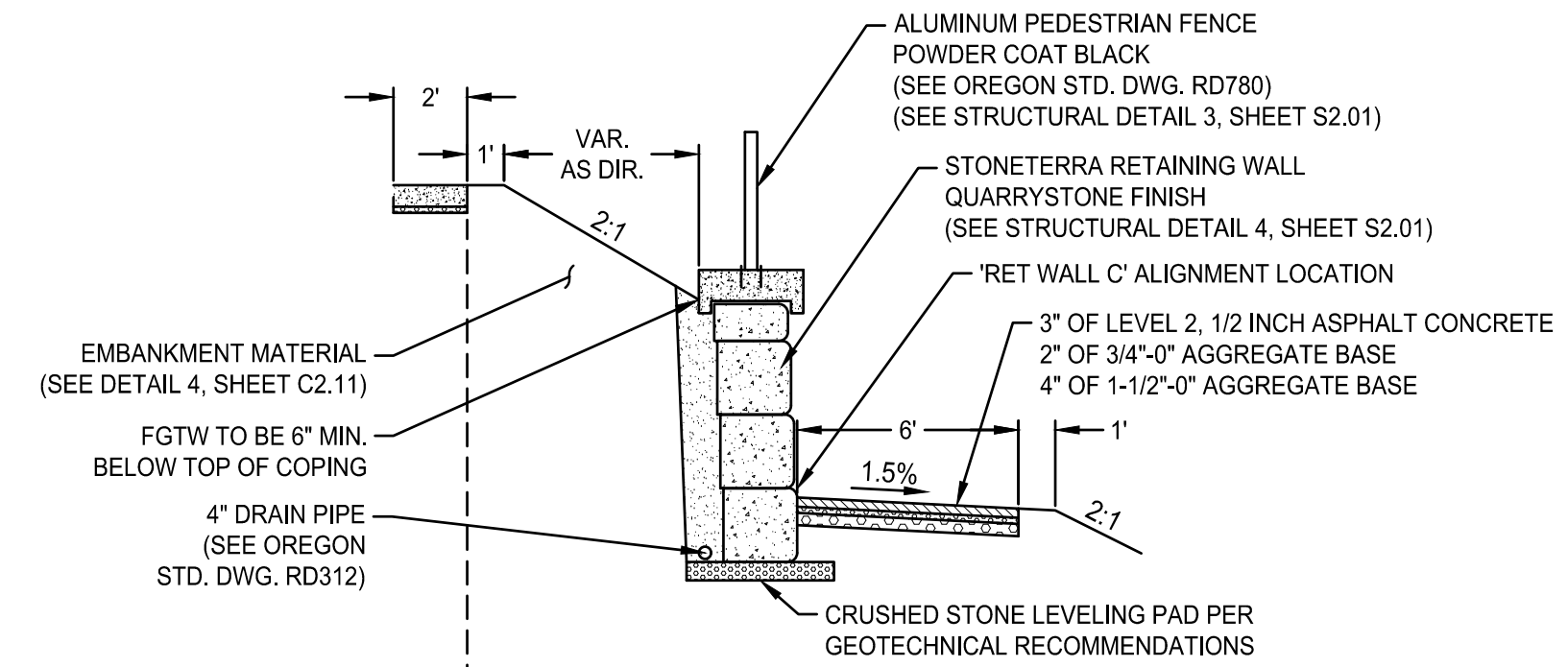
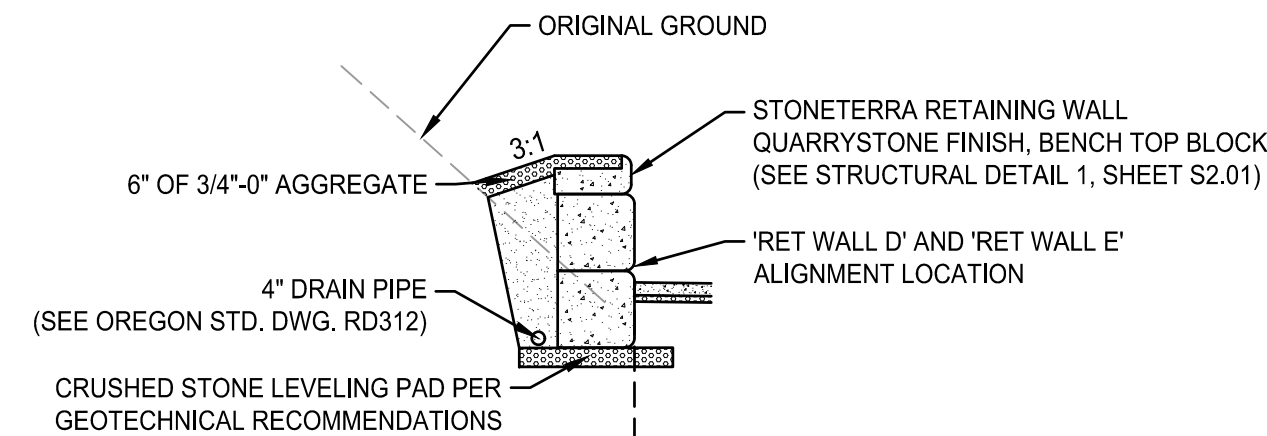
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C2.04

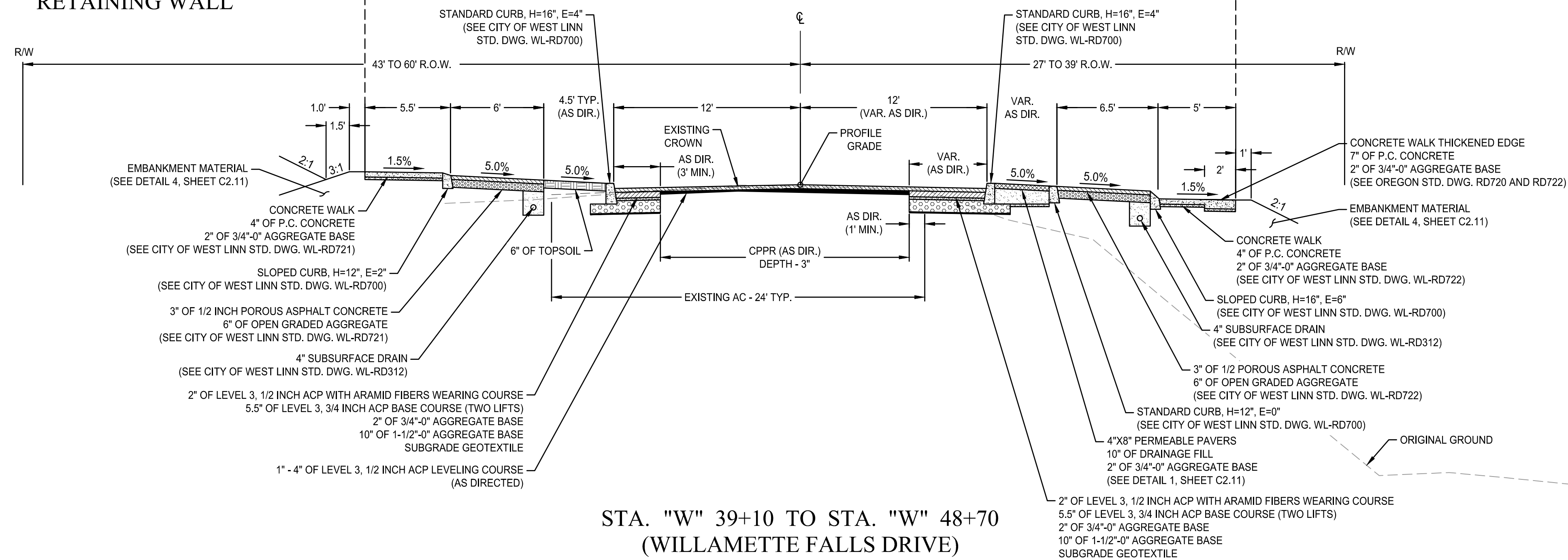
SHEET 14 OF 153
 RECORD NO.
 2000067-14

File: N:\proj\2020\00067-Dollar-Street\MS\CAD\PLT\PUBLIC\2000067-C2.01-TYP-SECT.dwg TAB: C2.05
 Plotted: 5/26/22 at 0:21am By: mmanzer

STA. "W" 40+55.00 TO STA. "W" 45+90.00
 STA. "W" 47+60.00 TO STA. "W" 48+26.00
 RETAINING WALL



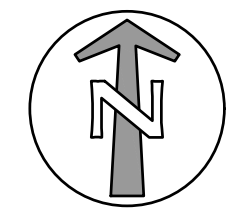
STA. "W" 39+31.86 TO
 STA. "W" 43+39.01
 RETAINING WALL



STA. "W" 39+10 TO STA. "W" 48+70
 (WILLAMETTE FALLS DRIVE)

APPROVED
 By Erich Lais at 12:47:50 PM, 05/31/2022

REVISION	DATE	DESCRIPTION



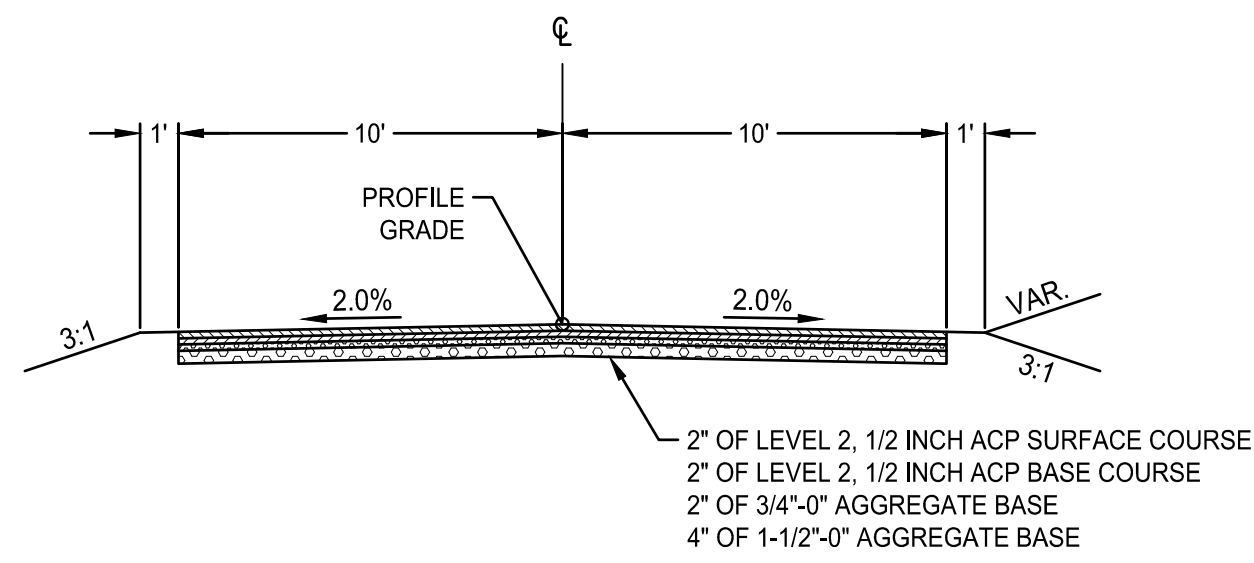
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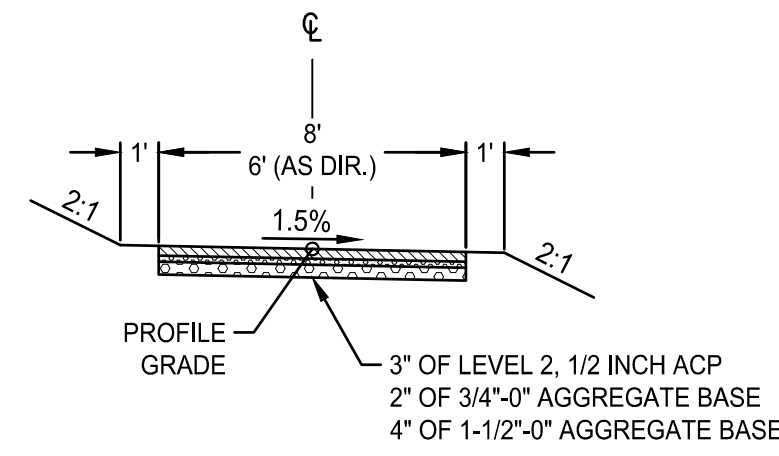
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PLOT DATE:	5/26/22 8:21am
PLOTTED BY:	mmanzer
DWG NAME:	2000067-C2.01-TYP-SECT.dwg
TAB NAME:	C2.05

West Linn, OR 97068
 NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS
 TYPICAL SECTIONS

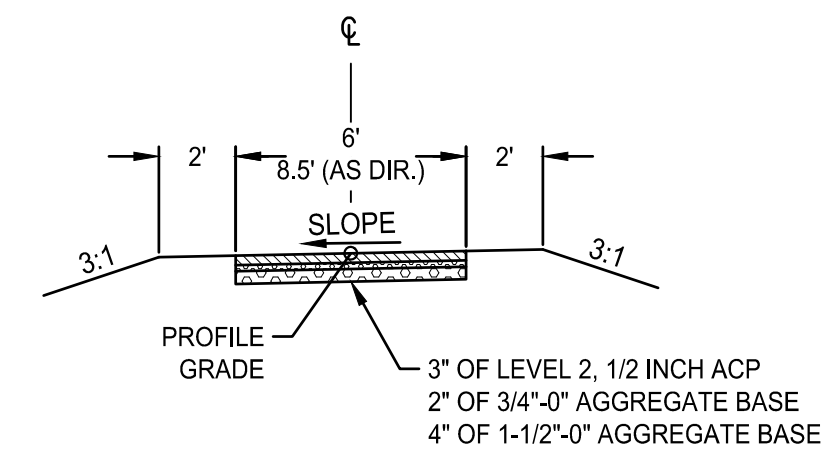
SHEET NO.	C2.05
SHEET	15 OF 153
RECORD NO.	2000067-15



STA. "DWAY" 1+14.09 TO STA. "DWAY" 2+00
(DRIVEWAY)

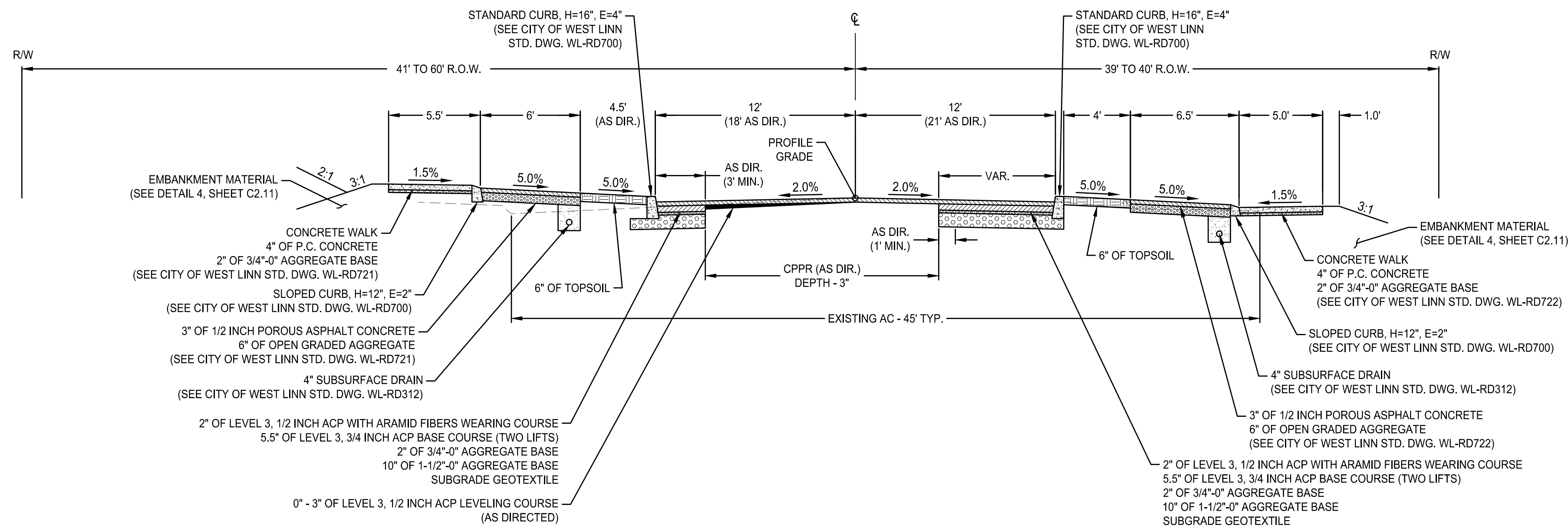


STA. "W" 32+49 TO STA. "W" 38+00
STA. "W" 39+25 TO STA. "W" 43+95
(WFD TRAIL)



STA. "B-TRAIL" 1+10 TO STA. "B-TRAIL" 2+67.54
(BRANDON TRAIL)

CROSS SLOPE TABLE		
BEGIN STATION	END STATION	SLOPE
"B-TRAIL" 1+10.00	"B-TRAIL" 1+70.00	+1.5%
"B-TRAIL" 1+70.00	"B-TRAIL" 2+00.00	+1.5% TO -1.5%
"B-TRAIL" 2+00.00	"B-TRAIL" 2+67.54	-1.5%

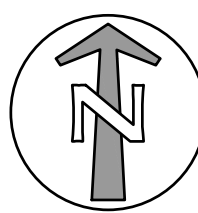


STA. "W" 48+60.2 TO STA. "W" 50+59
(WILLAMETTE FALLS DRIVE)

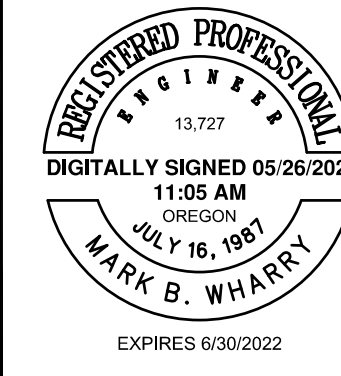
APPROVED
By Erich Lais at 12:48:07 PM, 05/31/2022

File: N:\proj\2020\00067-Dollar-Street-MS-CAD-PLT\PUBLIC\2000067-C2.01-TYP-SECT.dwg TAB: C2.06
 Plotted: 5/26/22 at 0:21am By: mmanzer

REVISION	DATE	DESCRIPTION



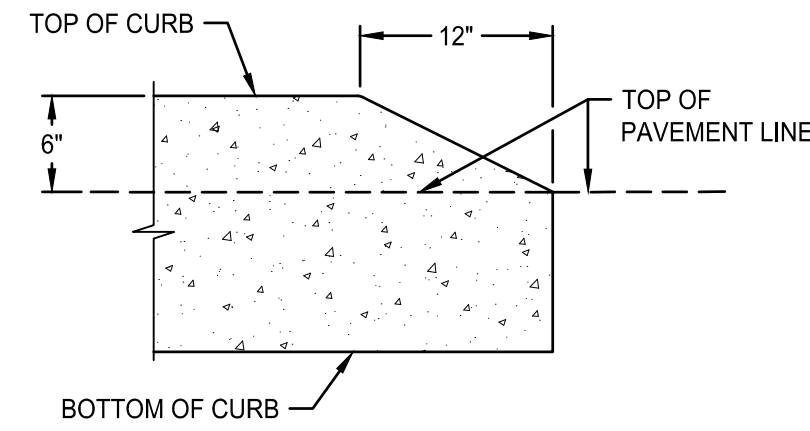
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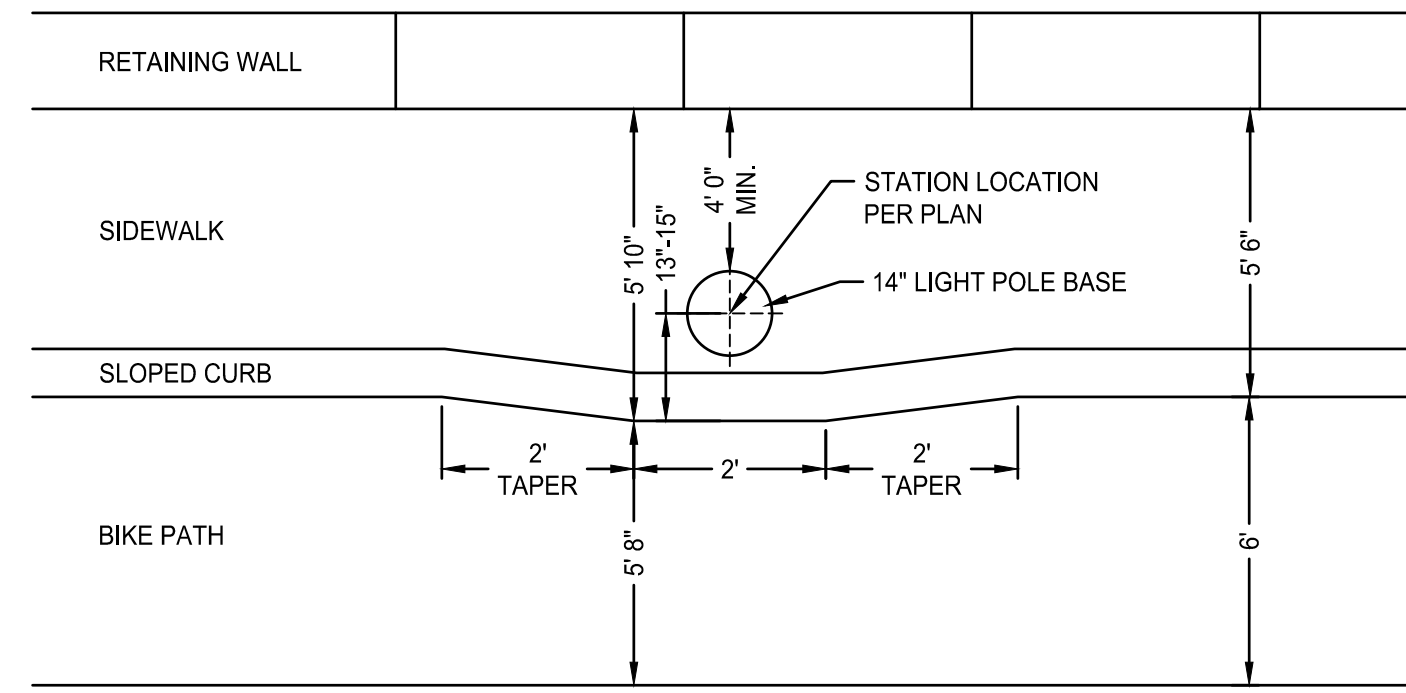
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DESIGNED BY: LB/TK/MM/JG/NP
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PLOT DATE: 5/26/22 8:21am
PLOTTED BY: mmanzer
DWG NAME: 2000067-C2.01-TYP-SECT.dwg
TAB NAME: C2.06

West Linn, OR 97068
NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS
TYPICAL SECTIONS

SHEET NO.
C2.06
SHEET 16 OF 153
RECORD NO.
2000067-16

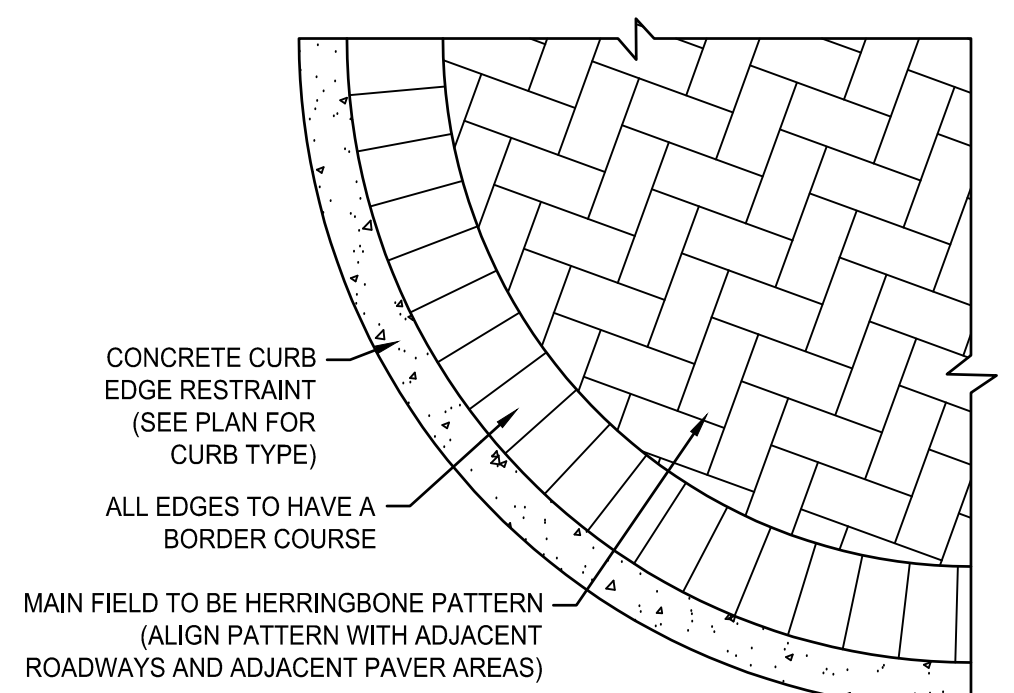


8 CONCRETE CURB - ENDING
SCALE: NTS



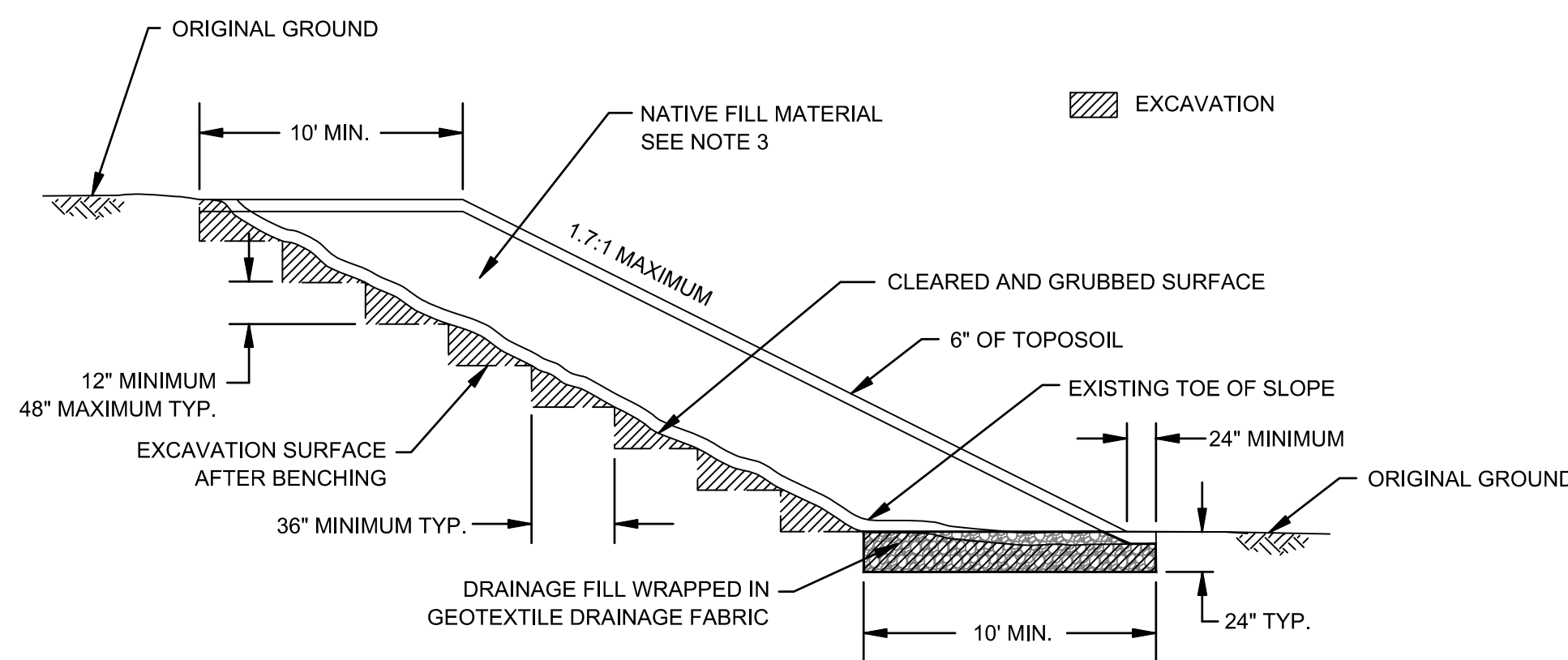
7 CURB DEFLECTION FOR LIGHT POLE
SCALE: NTS

6 NOT USED
SCALE: NTS



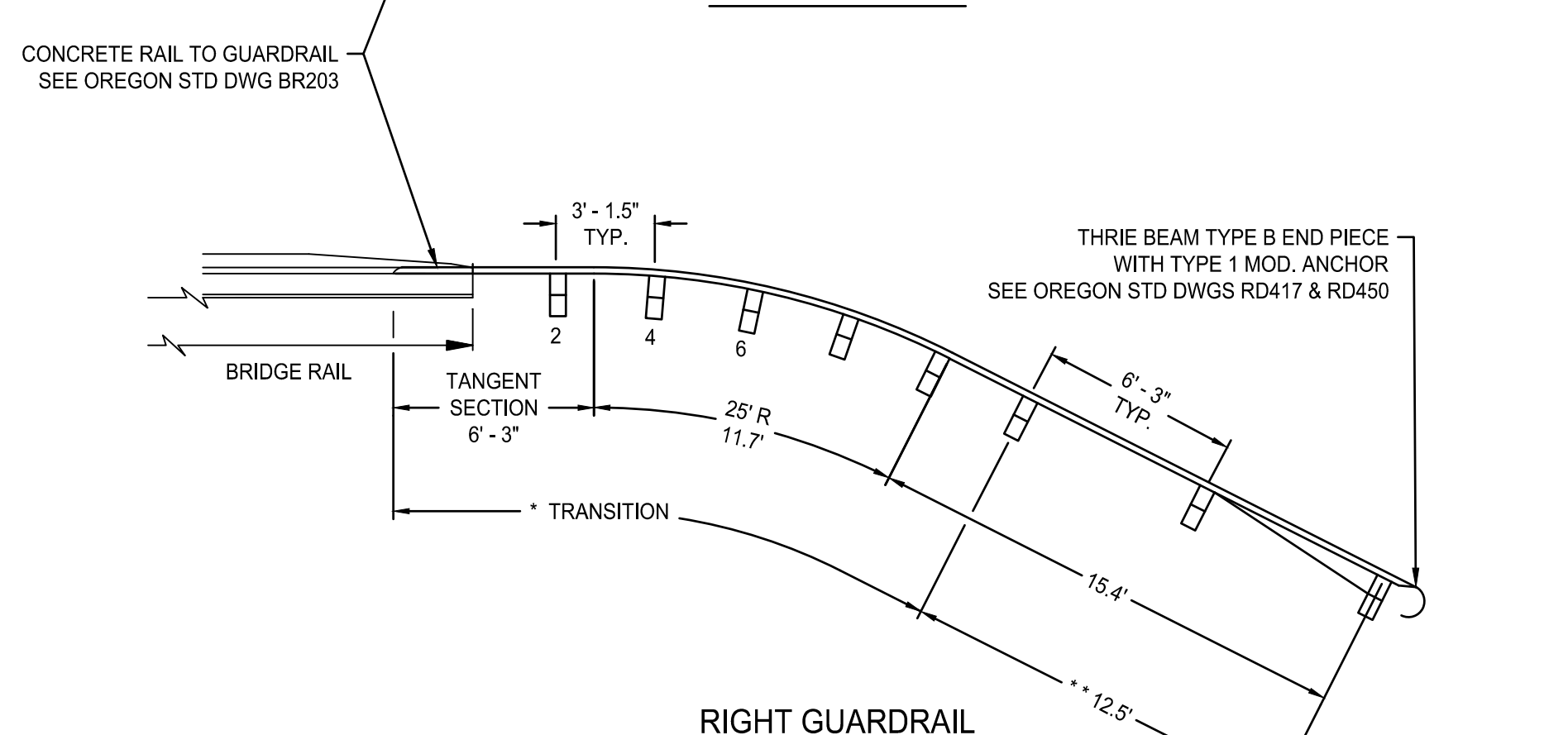
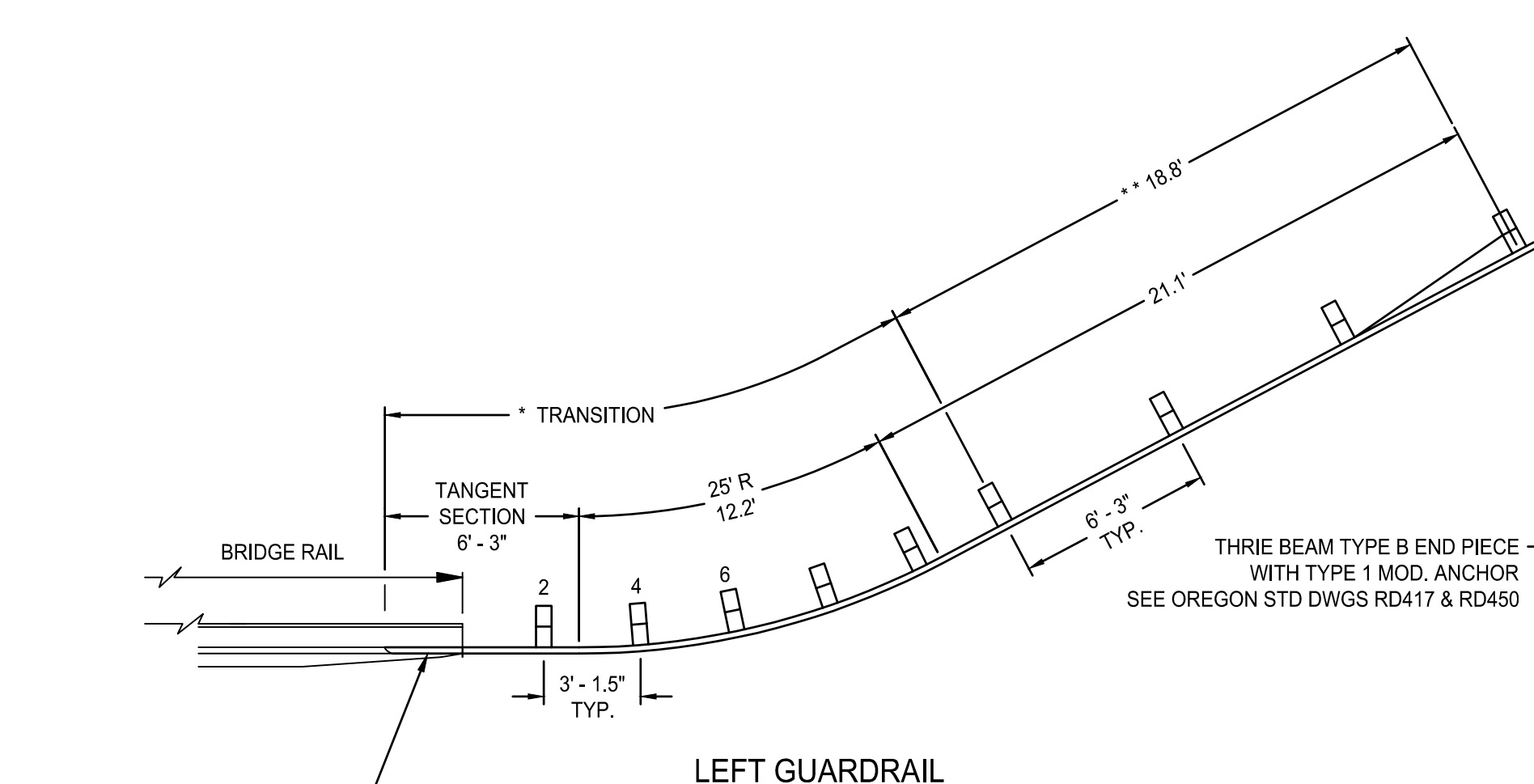
- NOTES:
- PERMEABLE PAVERS SHALL BE WILLAMETTE GREYSTONE 2 3/8" ECO-CITY 4"X8" LOCK PAVERS (WALNUT COLOR), WESTERN INTERLOCK HOLLAND PERMEARE 4"X8" PAVERS (COLUMBIA BLEND COLOR), OR APPROVED EQUAL.
 - REFER TO TYPICAL SECTIONS FOR BASE AGGREGATE DEPTHS.
 - INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

1 PERMEABLE PAVER LAYOUT
SCALE: NTS



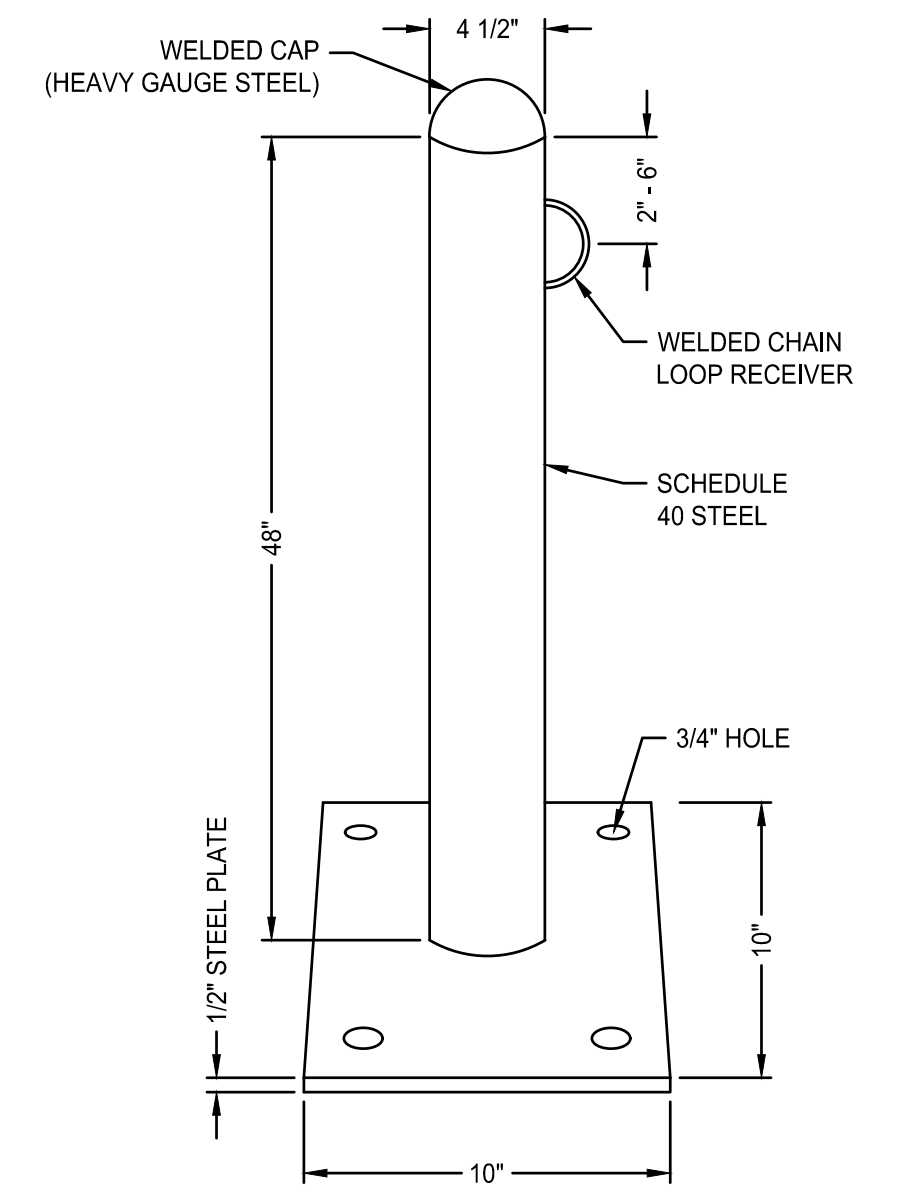
- NOTES:
- CONSTRUCT BENCHES ON SLOPES STEEPER THAN 1:5 (V:H) TO PROVIDE POSITIVE BOND WITH EXISTING GROUND.
 - BENCHING WORK IS INCIDENTAL TO EMBANKMENT CONSTRUCTION.
 - NATIVE FILLS SHALL BE MOISTURE CONDITIONED AND COMPACTED AS RECOMMENDED IN THE GEOTECHNICAL REPORT.

4 STANDARD EMBANKMENT CONSTRUCTION
SCALE: NTS



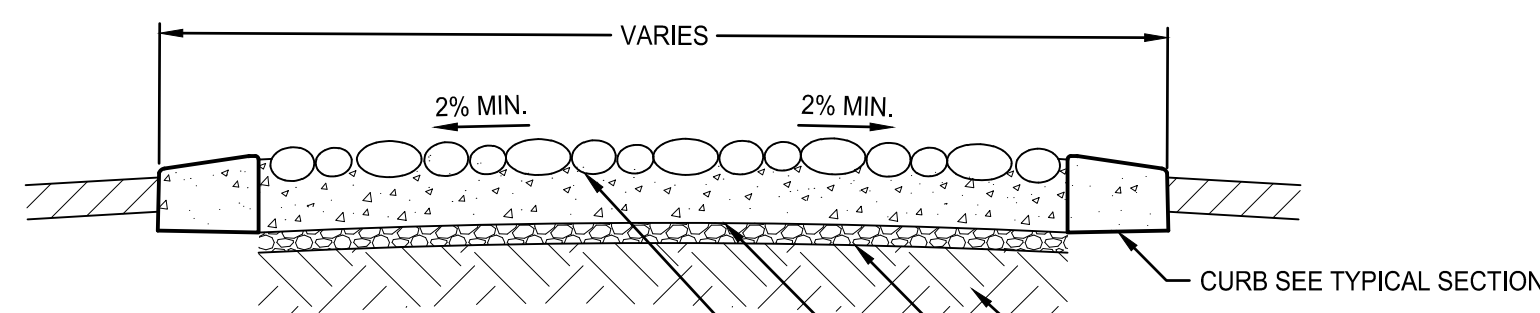
- NOTES:
- CONSTRUCT TYPE 4 GUARDRAIL PER ABOVE LAYOUT, SEE OREGON STD DWGS RD402, RD403, RD405, RD406, AND RD409.
 - POSTS 1, 3, AND 5 SHALL BE OMITTED SINCE SPEED IS LESS THAN 45 MPH.
 - PLACE RADIUS IDENTIFICATION PLATE. FOR DETAILS SEE OREGON STD DWG RD415.
 - SHOP FABRICATE ALL RADIUS RAIL TO DIMENSIONS SHOWN.
 - RAIL ELEMENTS:
 - THRIE BEAM RAIL: 2 - 12 GAUGE RAIL ELEMENTS
 - THRIE BEAM RAIL: 1 - 12 GAUGE RAIL ELEMENTS

3 BRIDGE RAIL END PROTECTION (TYPE 4 GUARDRAIL)
SCALE: 1" = 5'



- NOTES:
- INSTALL TWO 4" DIMETER (4.5" O.D.) SCHEDULE 40 STEEL SURFACE MOUNTED BOLLARDS WHERE SHOWN ON PLAN.
 - BOLLARDS SHALL INCLUDE A WELDED CAP AND A WELDED CHAIN LOOP RECEIVER.
 - BOLLARD ASSEMBLY SHALL BE FACTORY PRIMED AND PAINTED SAFETY YELLOW.
 - BOLLARDS TO BE MOUNTED TO CONCRETE FOOTINGS (1'X1'X2' DEEP).
 - BOLLARDS SHALL BE SECURED TO FOOTING USING 5/8" BREAKAWAY POST ANCHORS, SECURE PER MANUFACTURER RECOMMENDATIONS. BASIS OF DESIGN: TRANSPO POLE-SAFE OMNI-DIRECTIONAL BREAKAWAY POST SUPPORTS.
 - INSTALL YELLOW 3" HEAVY DUTY PLASTIC CHAIN BETWEEN BOLLARDS, STRETCHED TIGHT (MINIMAL SAG) BETWEEN BOLLARD CHAIN LOOP RECEIVERS.
 - CHAIN TO TERMINATE AT BOLLARDS WITH 3" PLASTIC YELLOW CARBINERS AT EACH END OF CHAIN TO ALLOW FOR REMOVAL/REATTACHMENT OF CHAIN.
 - ATTACH TWO DOUBLE SIDED SAFETY YELLOW PLASTIC 8"X8" "CLOSED" SIGNS (DIAMOND SHAPE) ATTACHED TO CHAIN. SIGNS ARE TO BE LOCATED 9-FEET FROM EACH BOLLARD.
 - THIS ASSEMBLY SHALL NOT BE INSTALLED UNTIL ALL STREET IMPROVEMENTS ARE COMPLETED AND APPROVED BY CITY ENGINEER. USE TEMPORARY ROAD CLOSED BARRICADES UNTIL APPROVED FOR INSTALL BY CITY ENGINEER. CHAIN TO BE PULL (TENSION) TESTED PRIOR TO INSTALL OF BOLLARDS.

2 ROAD CLOSURE
SCALE: NTS



- NOTES:
- CROWN TO BE ROUNDED WITH NO SHARP GRADE BREAKS.
 - MINIMIZE VISIBLE EXPOSED GROUT AT COBBLE JOINTS.
 - SURFACE OF COBBLE FIELD TO BE SMOOTH AND FLAT TO GRADE WITHOUT VARIATION IN HEIGHT OF INDIVIDUAL COBBLES.
 - COBBLES WITH BREAKS OR FRACTURES ARE NOT ALLOWED.
 - ROCK SHALL BE "SATURATED SURFACE MOIST" (SSM) PRIOR TO PLACEMENT.
 - CONCRETE MORTAR BED SHALL HAVE CEMENT RATIO PER CUBIC YARD OF CONCRETE OF NOT LESS THAN 564 POUNDS: SLUMP MAX. OF 3". AGGREGATE SIZE 1/4" MAXIMUM.

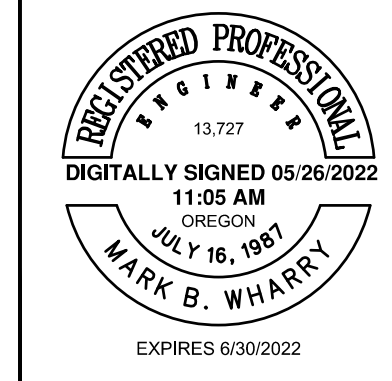
5 COBBLE MEDIAN
SCALE: NTS

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APPROVED
By Erich Lais at 12:48:19 PM, 05/31/2022



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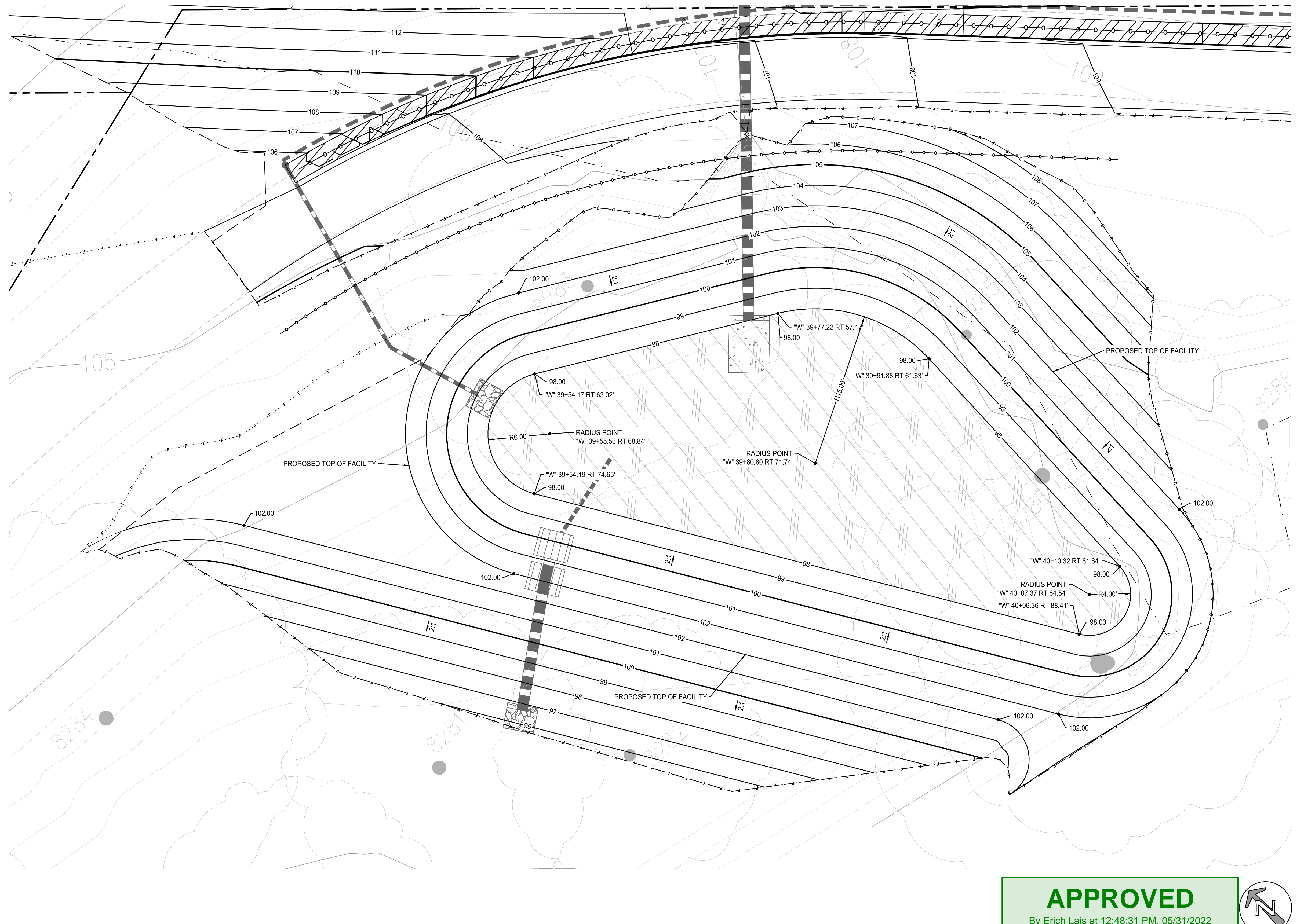


JOB No.: 2000067
DESIGNED BY: LB/TK/MM/JG/NP
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PLOTTED BY: mmanzer
DWG NAME: 2000067-C2.11-DTL.dwg
TAB NAME: C2.11

West Linn, OR 97068
NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS
ROADWAY DETAILS - GENERAL

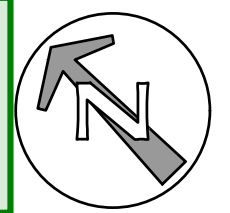
SHEET NO.
C2.11
SHEET 17 OF 153
RECORD NO.
2000067-17

File: N:\proj\2020\00067-Dollar-Street-MS-CAD\PLT\PUBLIC\2000067-C2.11-DTL.dwg TAB: C2.11
Plotted: 5/26/22 at 8:22am By: mmanzer
22x34



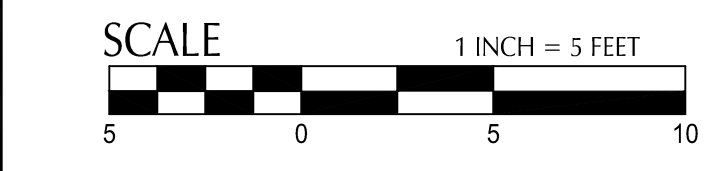
1 GRADING DETAIL - WATER QUALITY FACILITY AT EAST PARK DRIVEWAY
SCALE: 1" = 5'

APPROVED
By Erich Lais at 12:48:31 PM, 05/31/2022



File: N:\proj\2020\00067-Dollar-Street\MS\CAD\PLT\PUBLIC\2000067-C2.21-GD-DTLs.dwg TAB: C2.20
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REVISION	DATE	DESCRIPTION



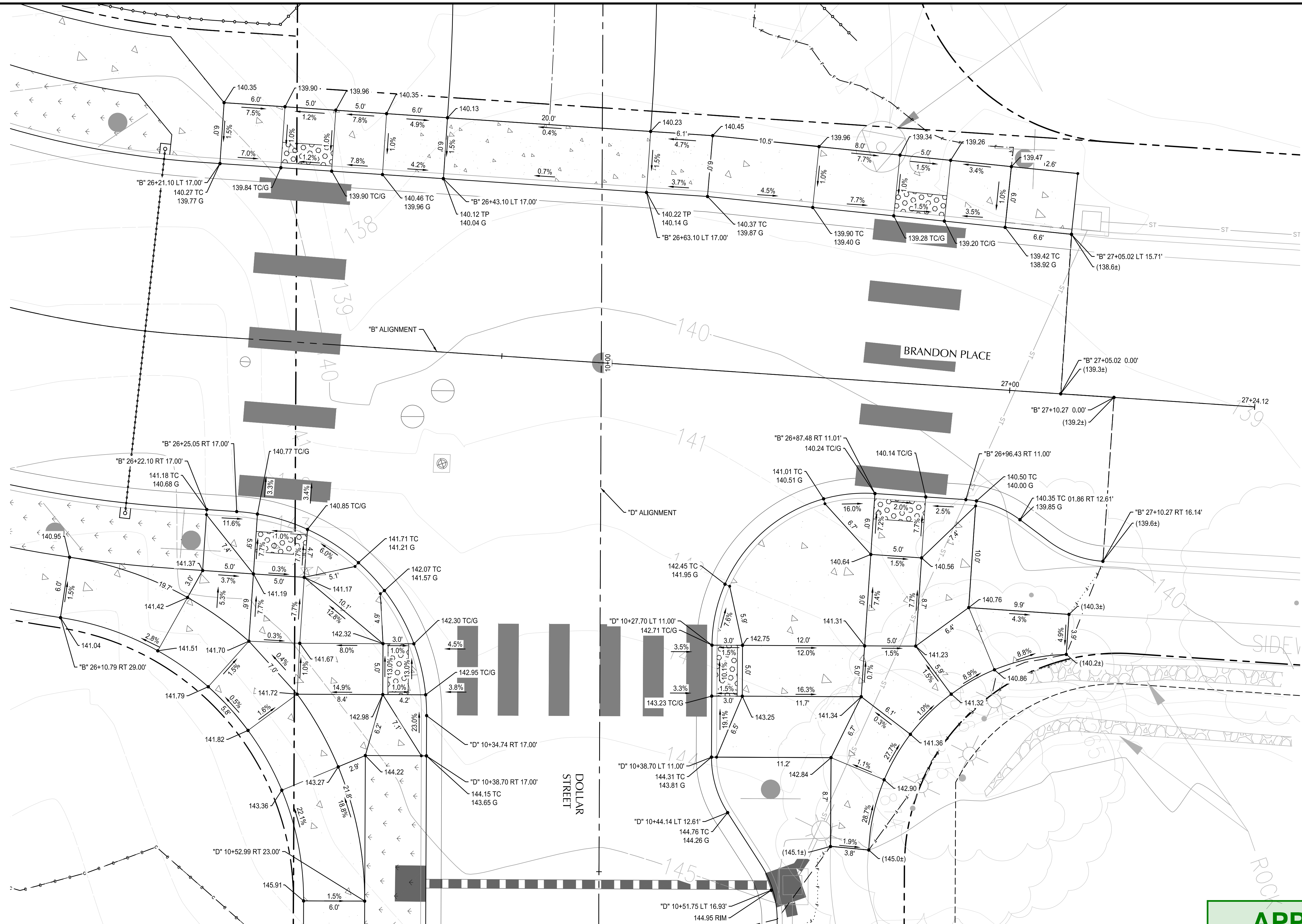
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JOB No.: 2000067
 DESIGNED BY: LB/TK/MM/JG/NP
 DRAWN BY: SB/RC
 CHECKED BY: DP/CV
 PLOT DATE: 5/26/22 8:23am
 PLOTTED BY: mmanzer
 DWG NAME: 2000067-C2.21-GD-DTLs.dwg
 TAB NAME: C2.20

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 NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS
 ROADWAY DETAILS - GRADING

SHEET NO.
C2.20
 SHEET 18 OF 153
 RECORD NO.
 2000067-18

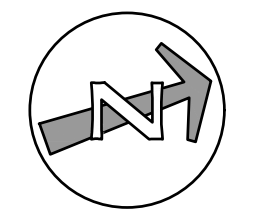


1 GRADING DETAIL - DOLLAR STREET AND BRANDON PLACE INTERSECTION
SCALE: 1" = 5'

APPROVED
By Erich Lais at 12:48:46 PM, 05/31/2022

File: N:\proj\2020\00067-Dollar-Street\MS\CAD\PILOT\PUBLIC\2000067-C2.21-GD-DTL.dwg TAB: C2.21
 Plotted: 5/26/22 at 8:23am By: mmanzer

REVISION	DATE	DESCRIPTION



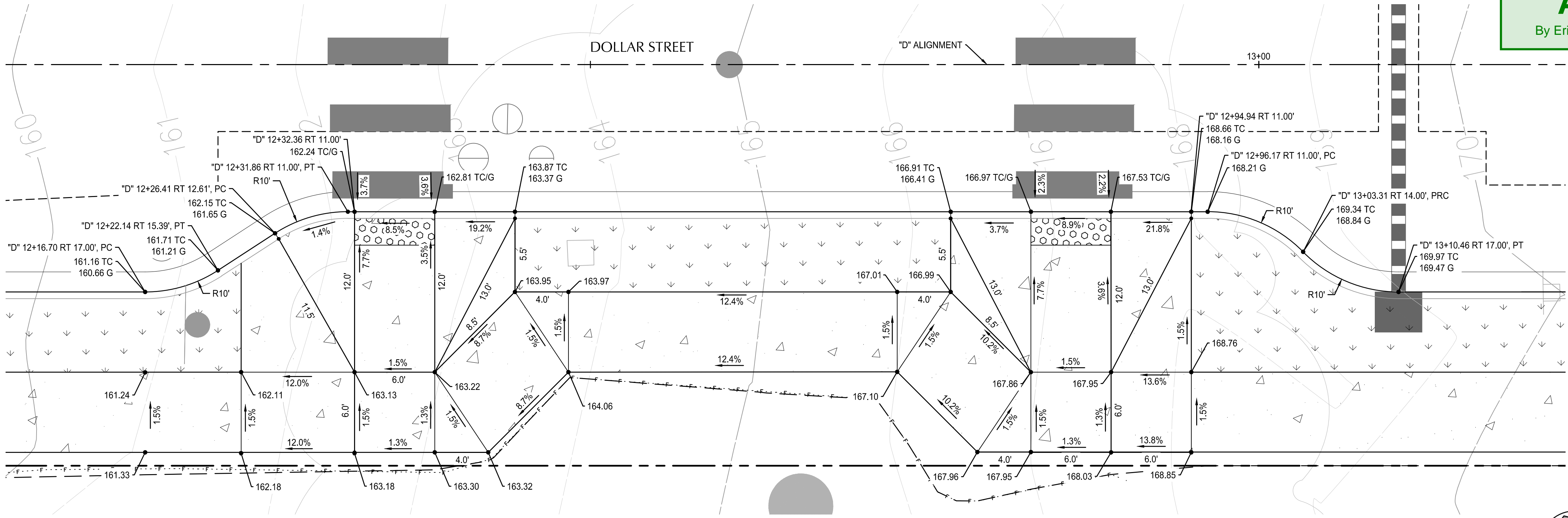
111 SW Fifth Ave., Suite 2600
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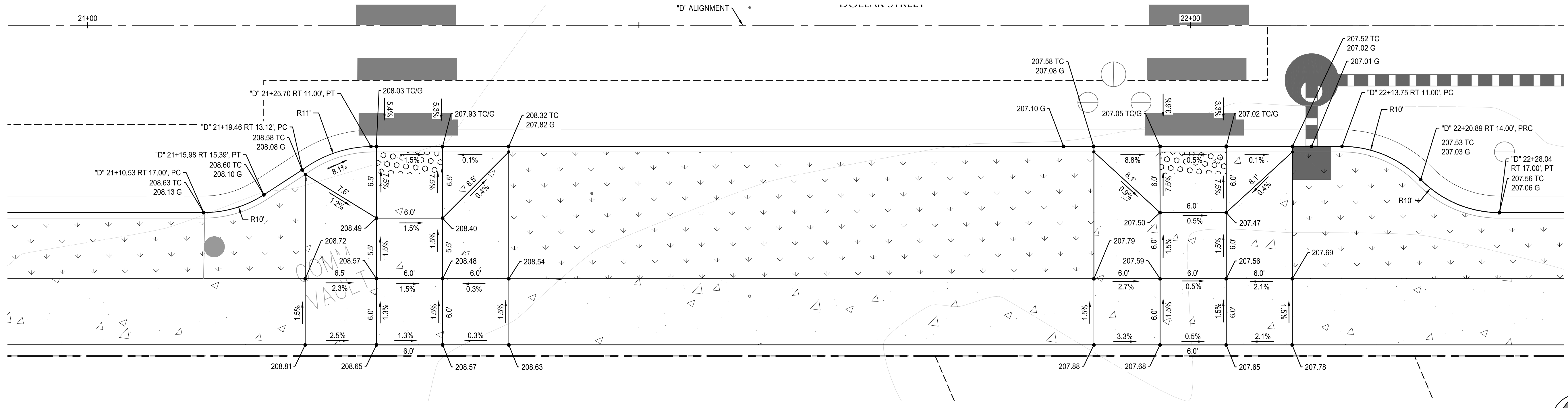
JOB No.:	2000067
DESIGNED BY:	LB/TK/MM/JG/NP
DRAWN BY:	SB/RC
CHECKED BY:	DP/CV
PLOT DATE:	5/26/22 8:23am
PLOTTED BY:	mmanzer
DWG NAME:	2000067-C2.21-GD-DTL.dwg
TAB NAME:	C2.21

West Linn, OR 97068
 NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS
 ROADWAY DETAILS - GRADING

SHEET NO.
C2.21
 SHEET 19 OF 153
 RECORD NO.
 2000067-19



1 GRADING DETAIL - RIVER HEIGHTS CIRCLE - WEST
SCALE: 1" = 5'



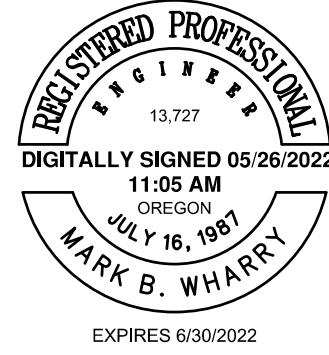
2 GRADING DETAIL - RIVER HEIGHTS CIRCLE - EAST
SCALE: 1" = 5'

File: N:\proj\2020\00067-Dollar-Street\MS\CAD\PLT\PUBLIC\2000067-C2.21-GD-DTL.S.dwg TAB: C2.22
Plotted: 5/26/22 at 0:24am By: mmanzer

REVISION	DATE	DESCRIPTION

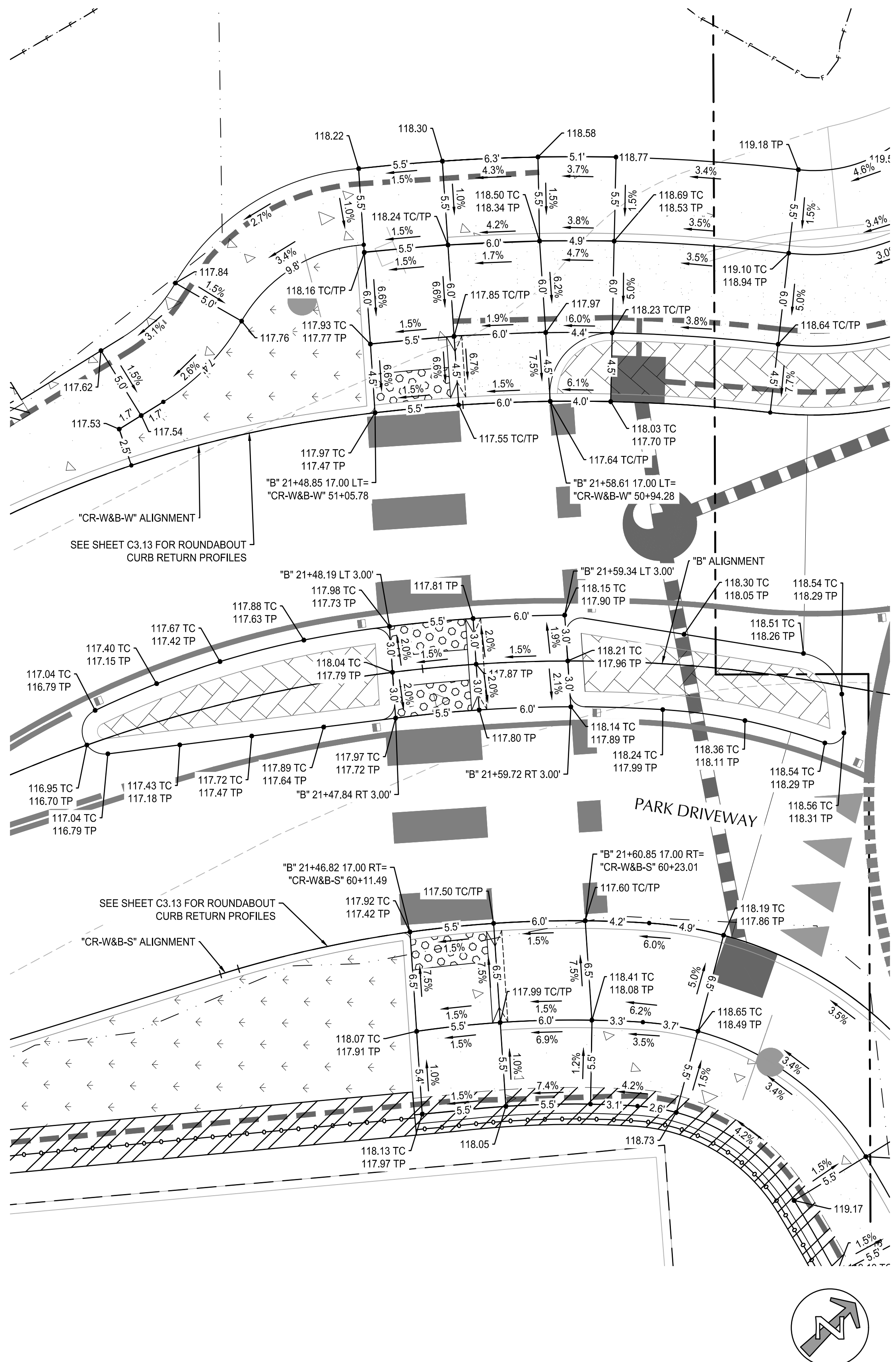


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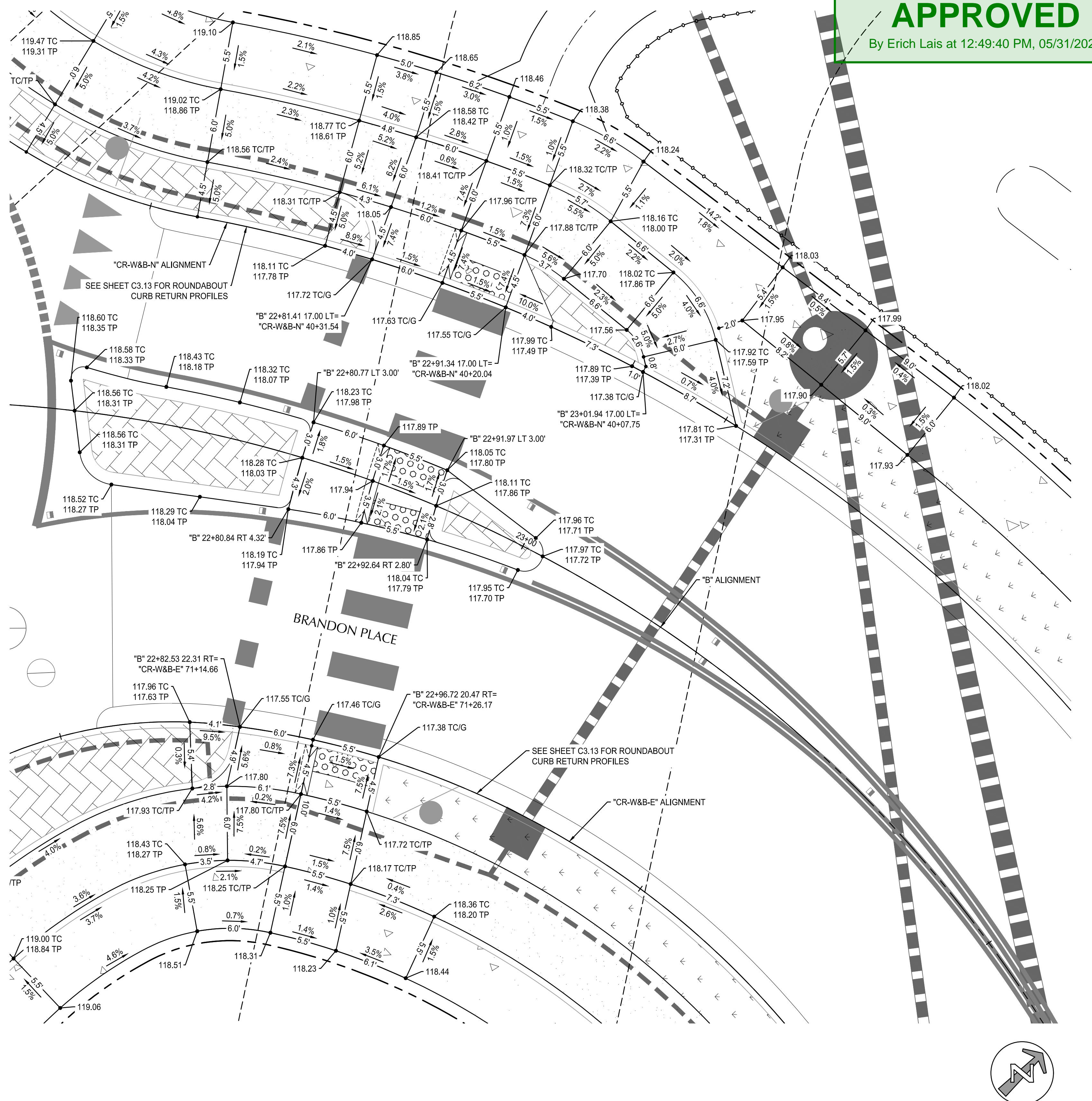


JOB No.:	2000067
DESIGNED BY:	LB/TK/MM/JG/NP
DRAWN BY:	SB/RC
CHECKED BY:	DP/VC
PLOT DATE:	5/26/22 8:24am
PLOTTED BY:	mmanzer
DWG NAME:	2000067-C2.21-GD-DTL.S.dwg
TAB NAME:	C2.22

West Linn, OR 97068
NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS
ROADWAY DETAILS - GRADING



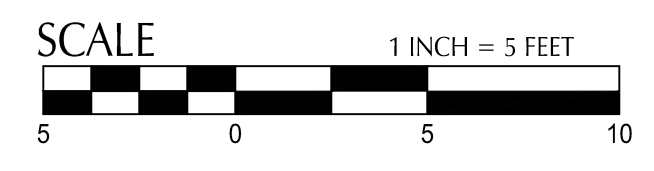
1 GRADING DETAIL - ROUNDABOUT SW APPROACH
SCALE: 1" = 5'



2 GRADING DETAIL - ROUNDABOUT NE APPROACH
SCALE: 1" = 5'

File: N:\proj\2020\00067-Dollar-Street-MS-CAD\PLT\PUBLIC\2000067-C2.21-GD-DTL-S.dwg TAB: C2.24
 Plotted: 5/26/22 at 0:24am By: mmanzer

REVISION	DATE	DESCRIPTION



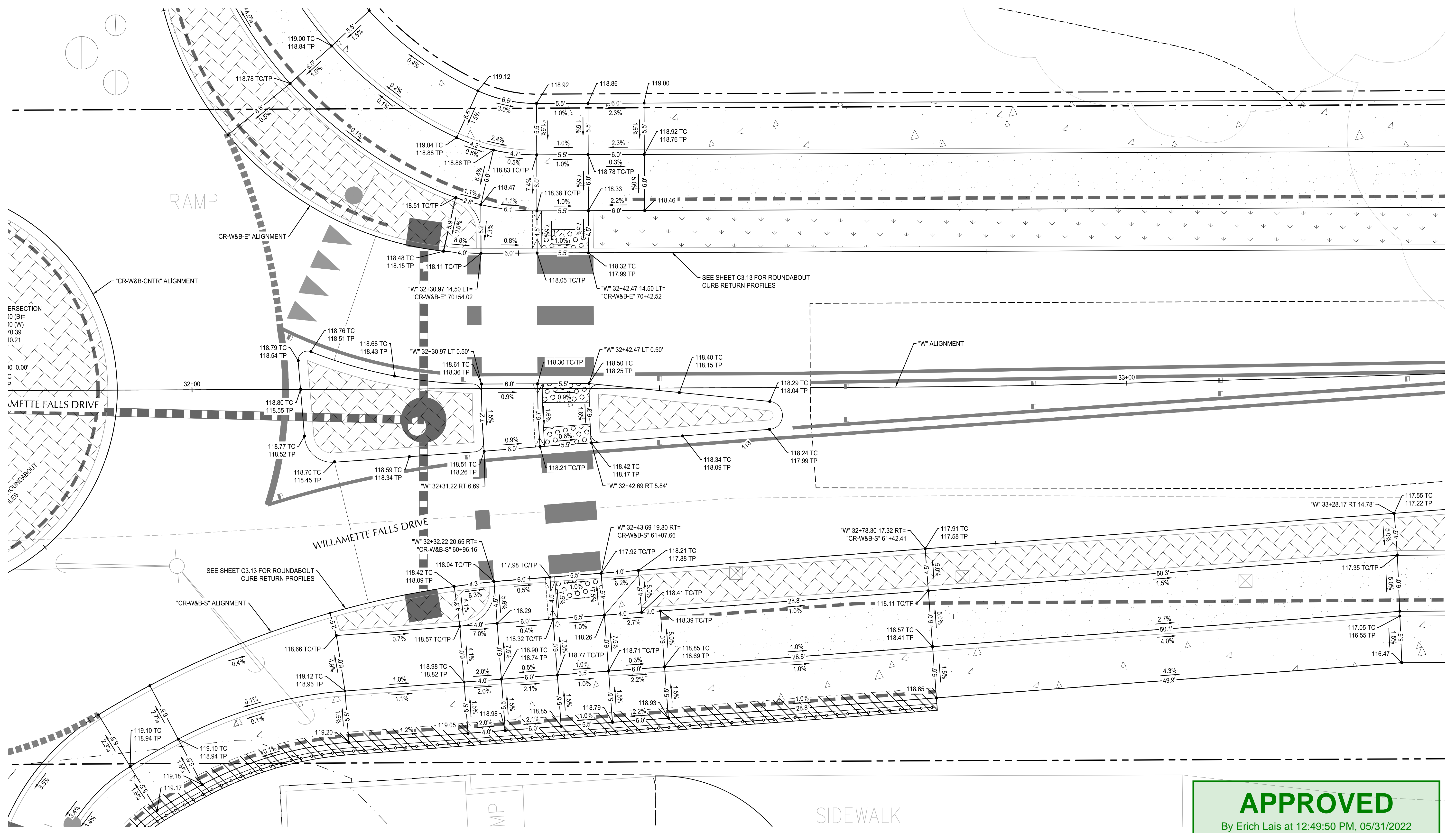
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JOB No.: 2000067
DESIGNED BY: LB/TK/MM/JG/NP
DRAWN BY: SB/RC
CHECKED BY: DP/CV
PLOT DATE: 5/26/22 8:24am
PLOTTED BY: mmanzer
DWG NAME: 2000067-C2.21-GD-DTL-S.dwg
TAB NAME: C2.24

West Linn, OR 97068
NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS
ROADWAY DETAILS - GRADING

SHEET NO.
C2.24
SHEET 22 OF 153
RECORD NO.
2000067-22

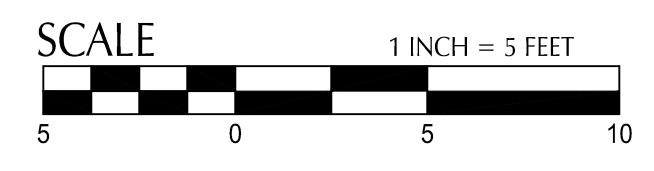
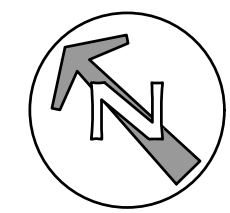


1 GRADING DETAIL - ROUNDABOUT SE APPROACH AND SECTION TRANSITION
SCALE: 1" = 5'

APPROVED
By Erich Lais at 12:49:50 PM, 05/31/2022

File: N:\proj\2020\00067-Dollar-Street-MS-CAD\PLT\PUBLIC\2000067-C2.21-GD-DTL.dwg TAB: C2.25
 Plotted: 5/26/22 at 8:23am By: mmanzer

REVISION	DATE	DESCRIPTION



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JOB No.:	2000067
DESIGNED BY:	LB/TK/MM/JG/NP
DRAWN BY:	SB/RC
CHECKED BY:	DP/CV
PLOT DATE:	5/26/22 8:25am
PLOTTED BY:	mmanzer
DWG NAME:	2000067-C2.21-GD-DTL.dwg
TAB NAME:	C2.25

West Linn, OR 97088

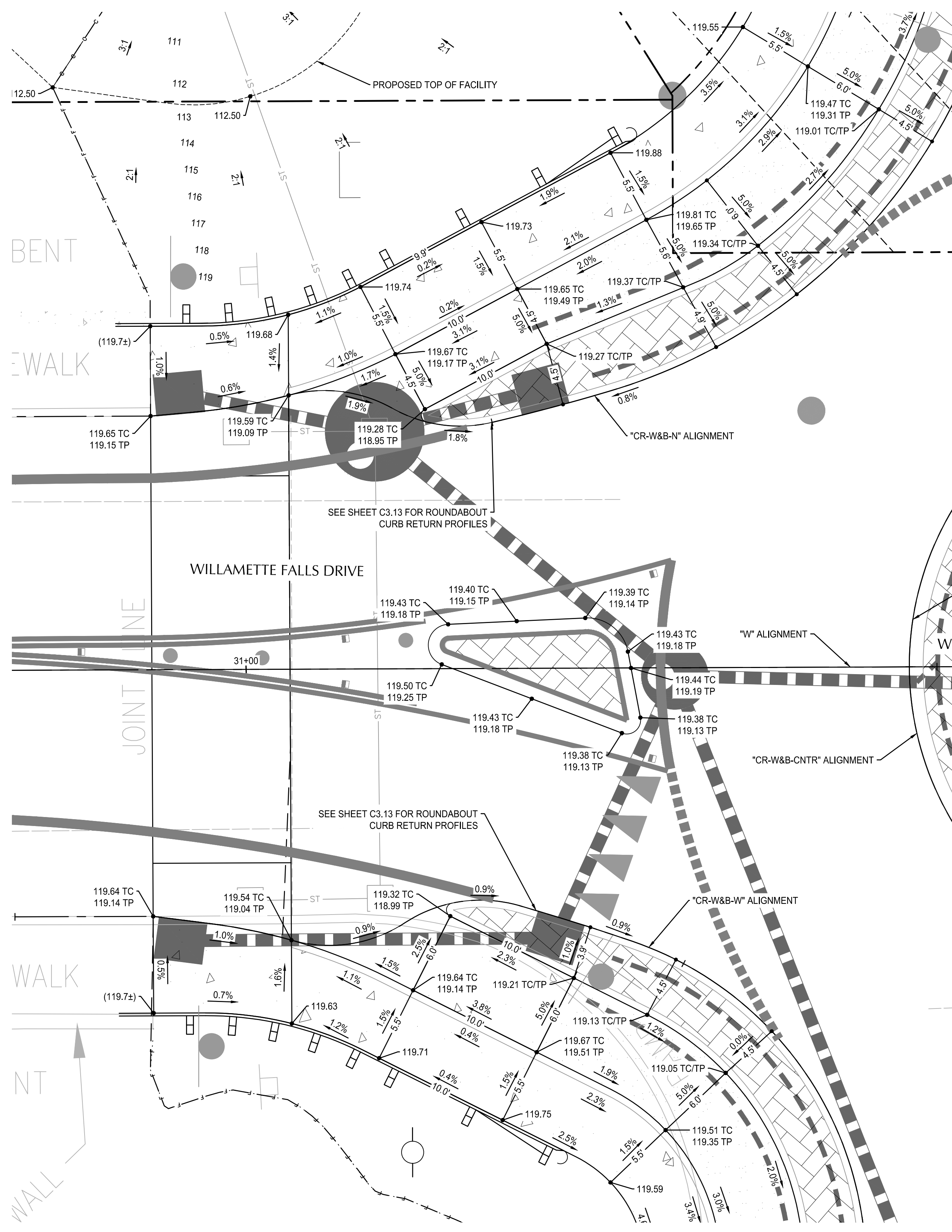
NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS

C2.25

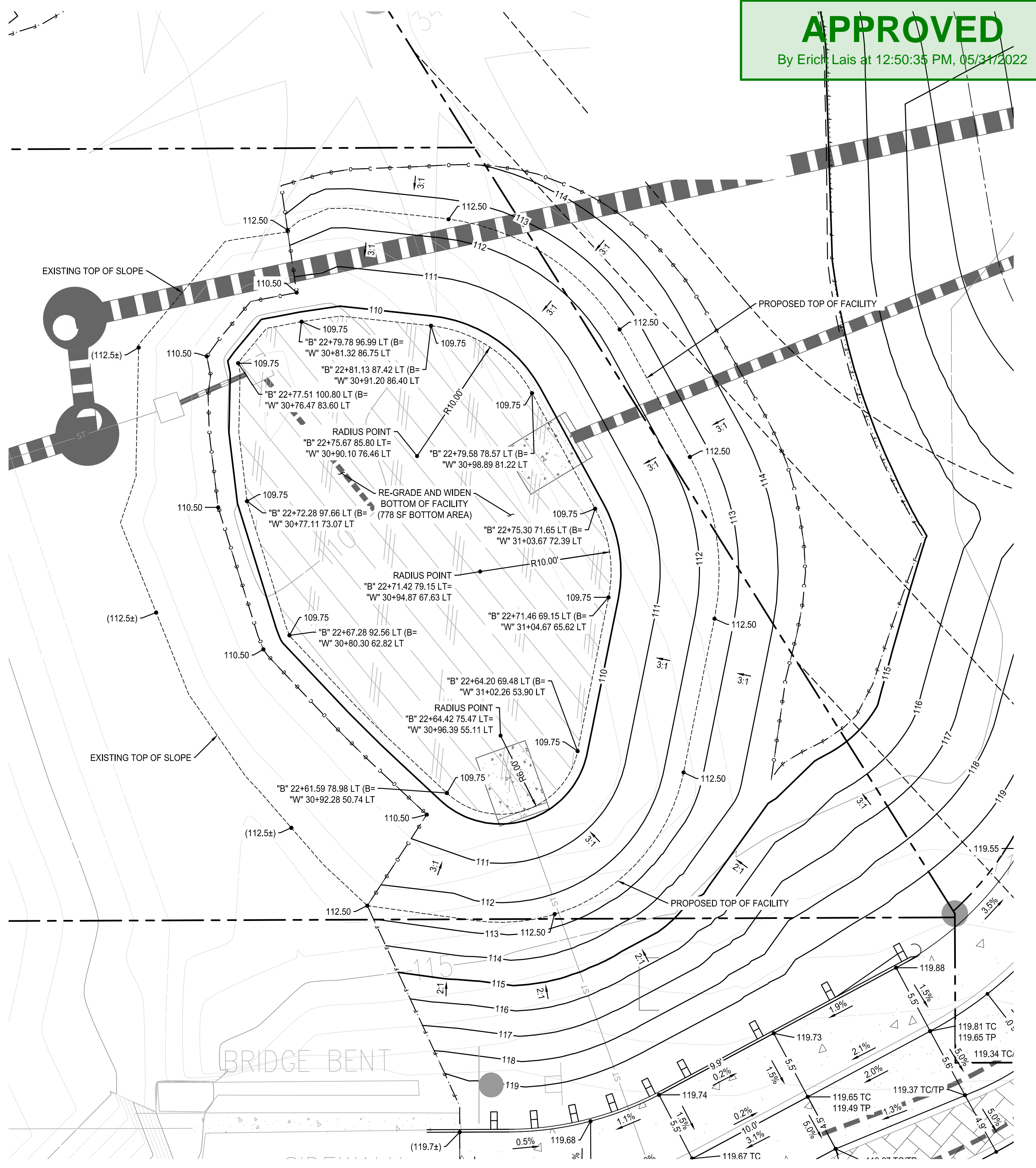
ROADWAY DETAILS - GRADING

SHEET 23 OF 153
RECORD NO. 2000067-23

APPROVED
By Erick Lais at 12:50:35 PM, 05/31/2022



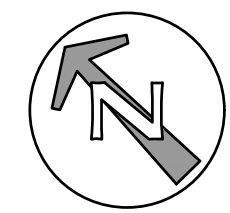
2 GRADING DETAIL - ROUNDABOUT NW APPROACH
SCALE: 1" = 5'



1 GRADING DETAIL - WATER QUALITY FACILITY AT NORTH CORNER OF ROUNDABOUT
SCALE: 1" = 5'

File: N:\proj\2020\00067-Dollar-Street-MS-CAD\PILOT\PUBLIC\000067-C2.21-GD-DTLs.dwg TAB: C2.26
 Plotted: 5/26/22 at 0:23am By: mmanzer 22x34

REVISION	DATE	DESCRIPTION



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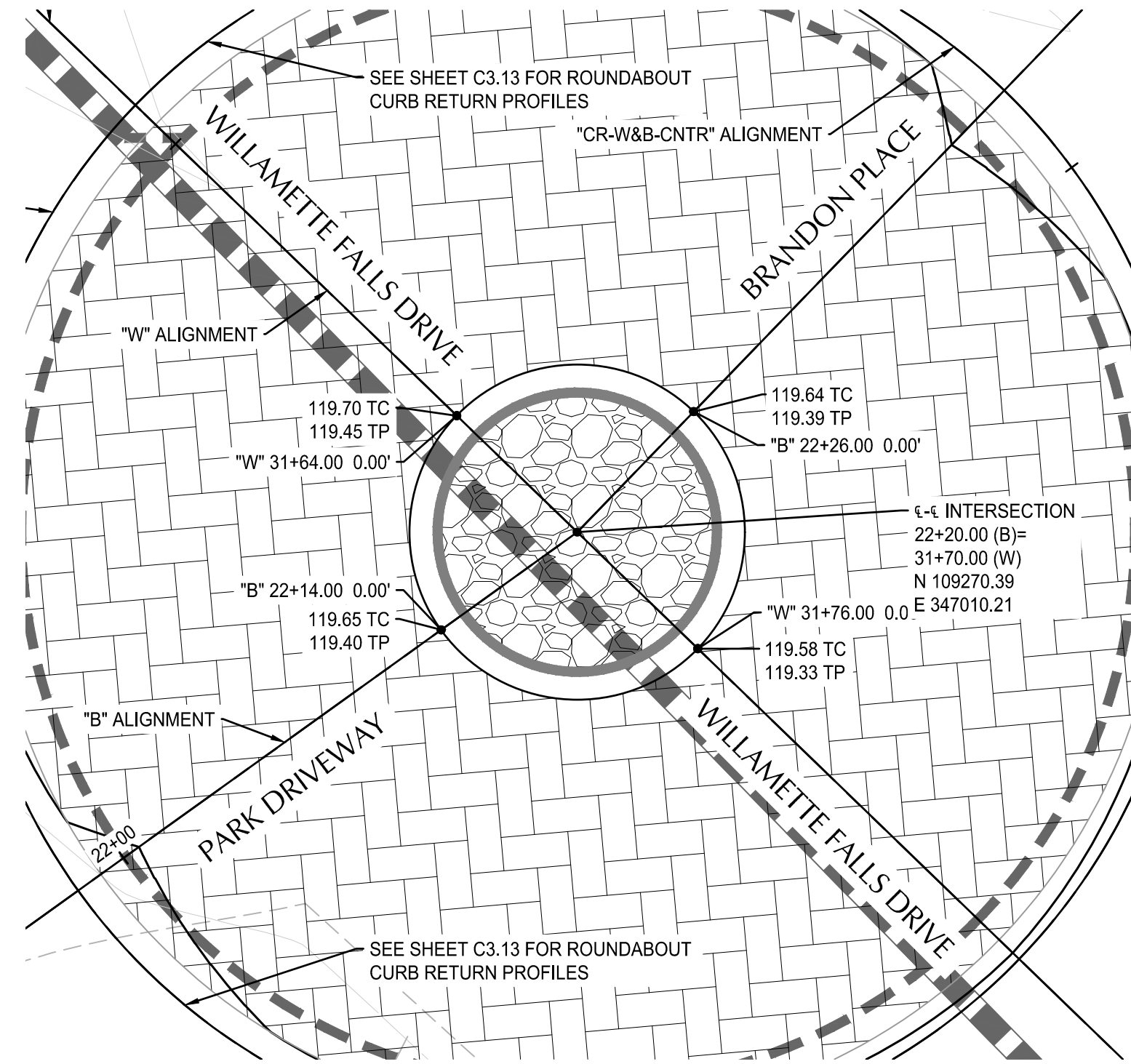
JOB No.: 2000067
 DESIGNED BY: LB/TK/MM/JG/NP
 DRAWN BY: SB/RC
 CHECKED BY: DP/CV
 PLOT DATE: 5/26/22 8:25am
 PLOTTED BY: mmanzer
 DWG NAME: 2000067-C2.21-GD-DTLs.dwg
 TAB NAME: C2.26

West Linn, OR 97068

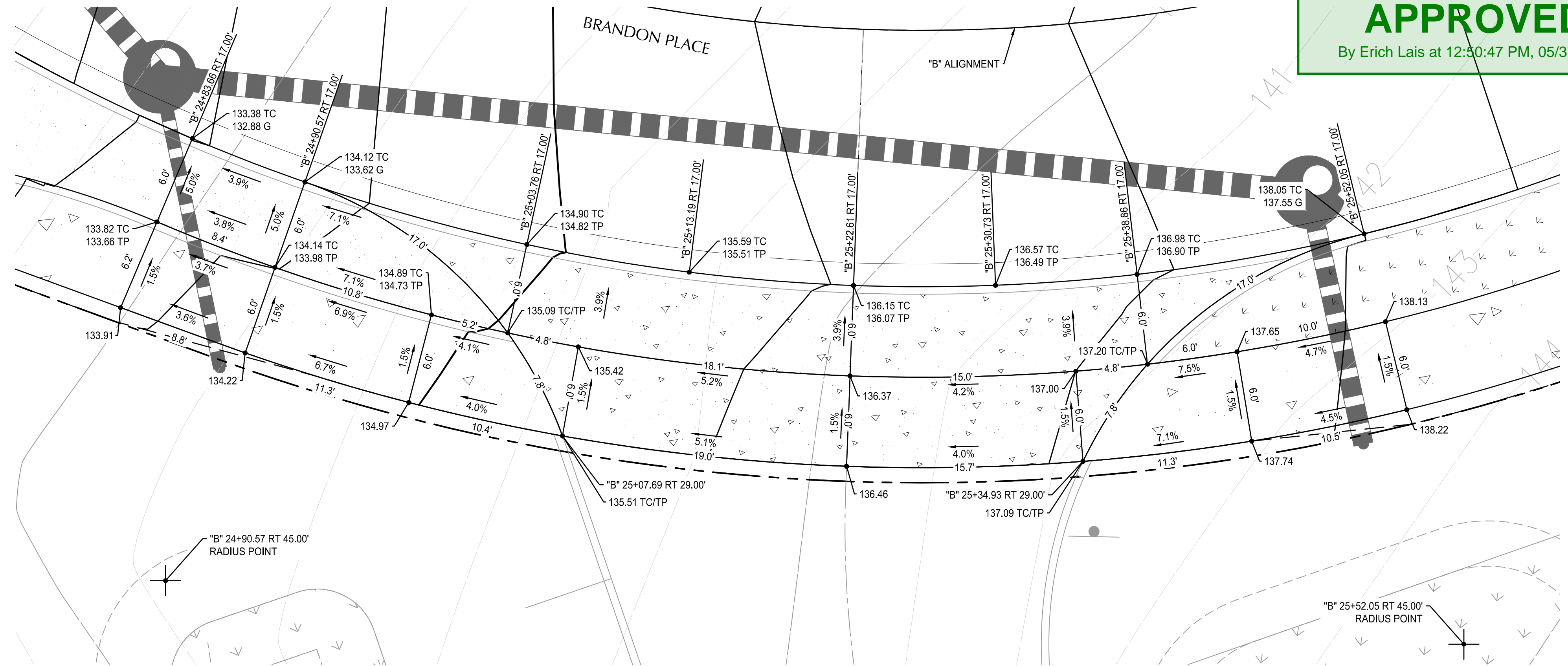
NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS

ROADWAY DETAILS - GRADING

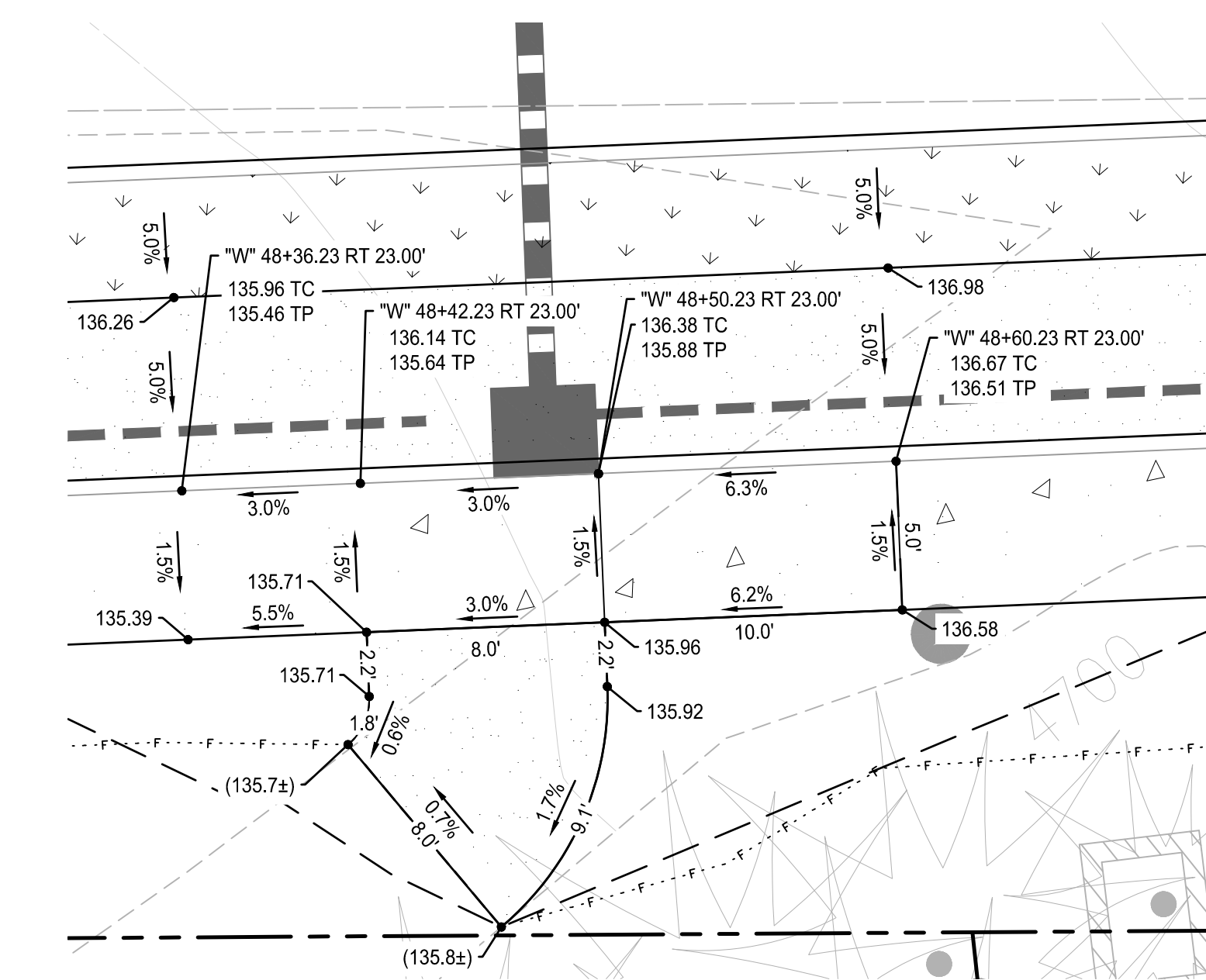
SHEET NO.
C2.26
 SHEET 24 OF 153
 RECORD NO.
 2000067-24



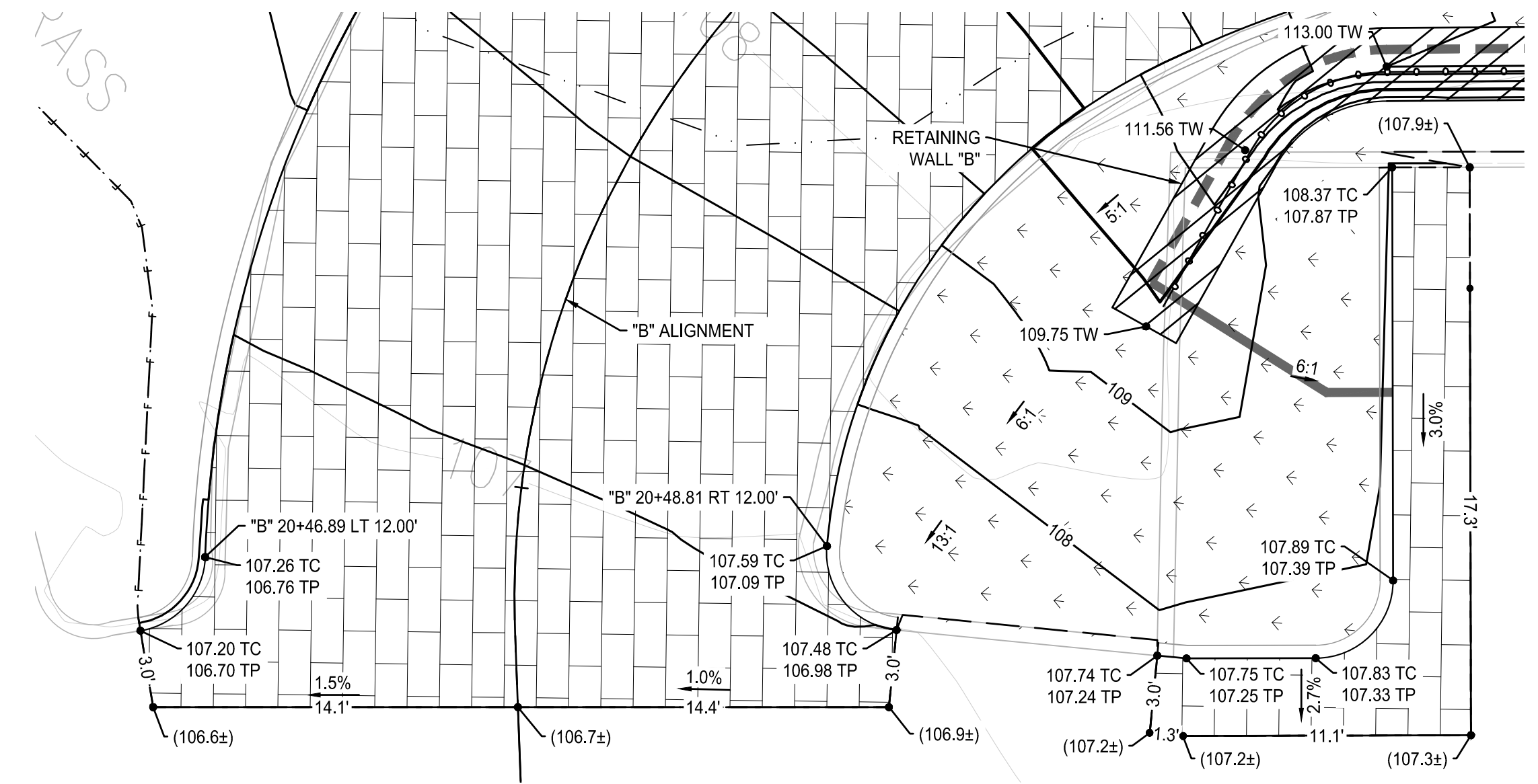
1 GRADING DETAIL - 2ND TIER OF ROUNDABOUT
SCALE: 1" = 5'



2 GRADING DETAIL - MIDDLE SCHOOL PRIVATE DRIVEWAY TO BRANDON PLACE
SCALE: 1" = 5'



3 GRADING DETAIL - WILLAMETTE FALLS DRIVE TRAIL CONNECTION AND SECTION TRANSITION
SCALE: 1" = 5'



4 GRADING DETAIL - WEST PARK DRIVEWAY CONNECTION AND PARKING LOT
SCALE: 1" = 5'

File: N:\proj\2020\0607-Dollar-Street-MS-CAD\PLT\PUBLIC\2000067-C2.21-GD-DTL5.dwg TAB: C2.27
 Plotted: 5/26/22 at 8:26am By: mmanzer

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JOB No.: 2000067
DESIGNED BY: LB/TK/MM/JG/NP
DRAWN BY: SB/RC
CHECKED BY: DP/CV
PLOT DATE: 5/26/22 8:26am
PLOTTED BY: mmanzer
DWG NAME: 2000067-C2.21-GD-DTL5.dwg
TAB NAME: C2.27

West Linn, OR 97068

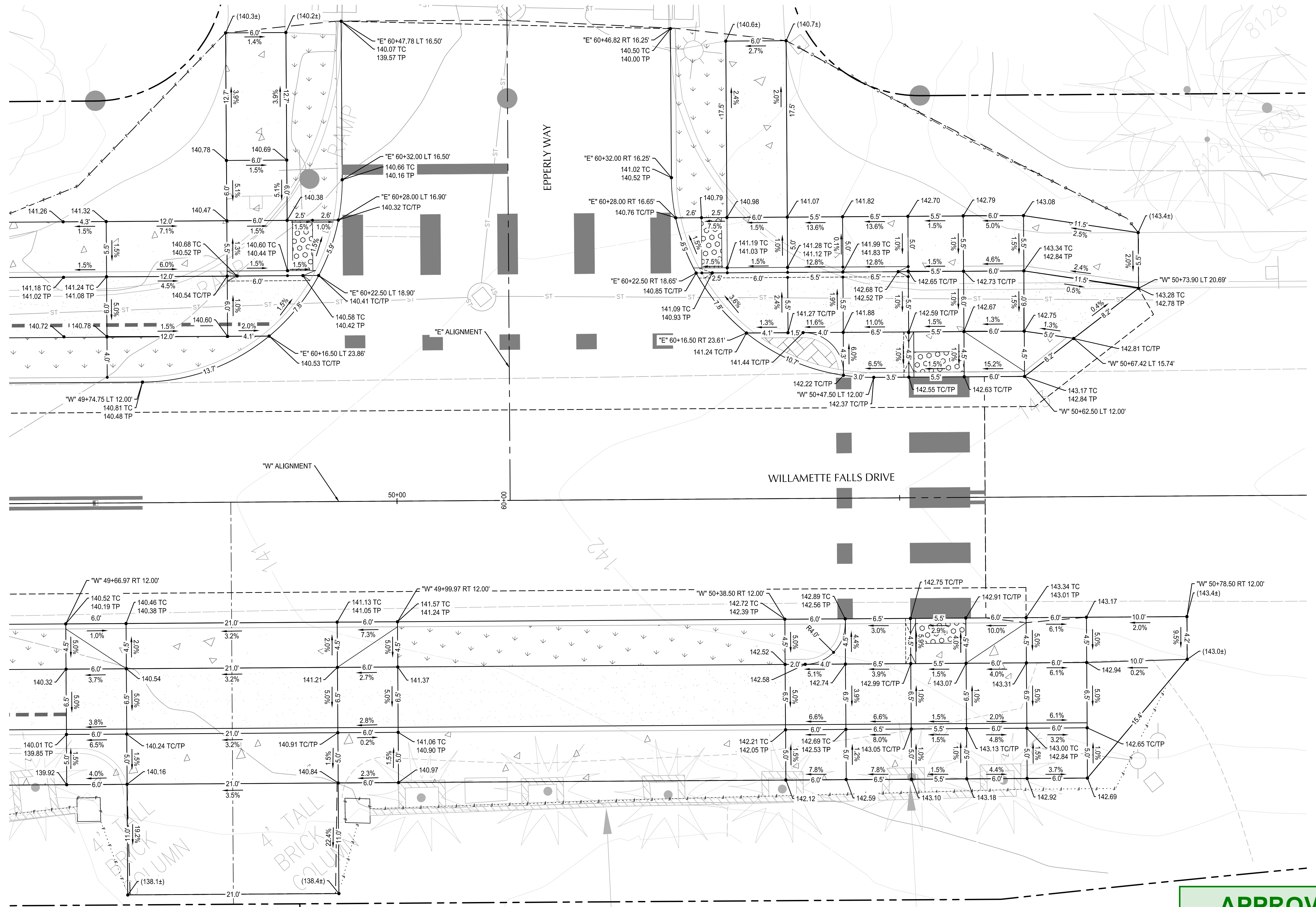
NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS

ROADWAY DETAILS - GRADING

SHEET NO.

C2.27

SHEET 25 OF 153
RECORD NO.
2000067-25

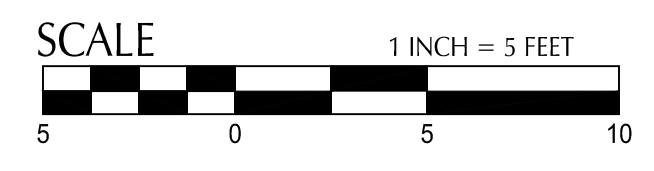
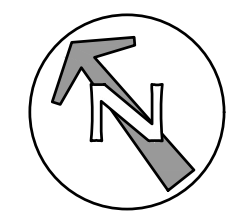


1 GRADING DETAIL - WILLAMETTE FALLS DRIVE AND EPPERLY WAY INTERSECTION
SCALE: 1" = 5'

APPROVED
By Erich Lais at 12:50:56 PM, 05/31/2022

File: N:\proj\2020\00067-Dollar-Street\MS\CAD\PLT\PUBLIC\2000067-C2.21-GD-DTL.dwg TAB: C2.28
 Plotted: 5/26/22 at 8:26am By: mmanzer

REVISION	DATE	DESCRIPTION



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JOB No.:	2000067
DESIGNED BY:	LB/TK/MM/JG/NP
DRAWN BY:	SB/RC
CHECKED BY:	DP/VCV
PLOT DATE:	5/26/22 8:26am
PLOTTED BY:	mmanzer
DWG NAME:	2000067-C2.21-GD-DTL.dwg
TAB NAME:	C2.28

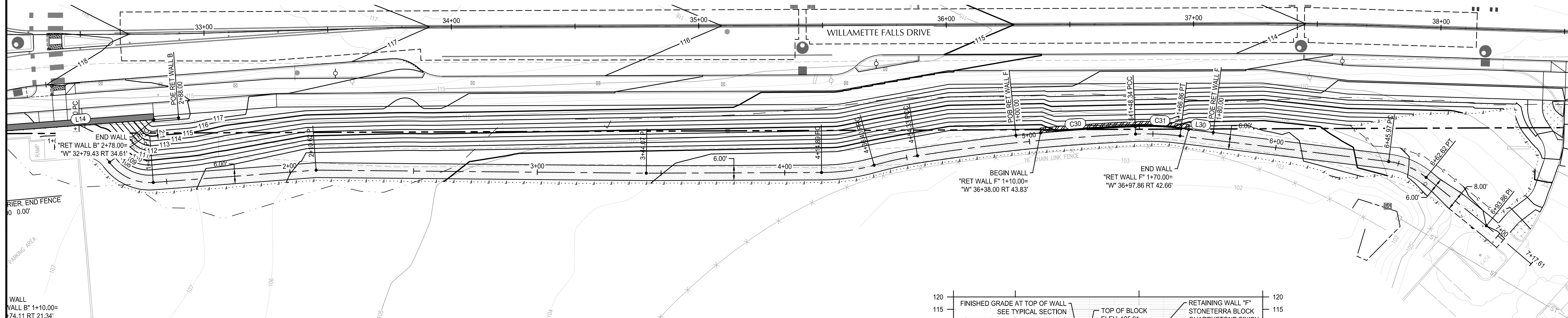
West Linn, OR 97068
 NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS
 ROADWAY DETAILS - GRADING

SHEET NO.
C2.28
 SHEET 26 OF 153
 RECORD NO.
 2000067-26

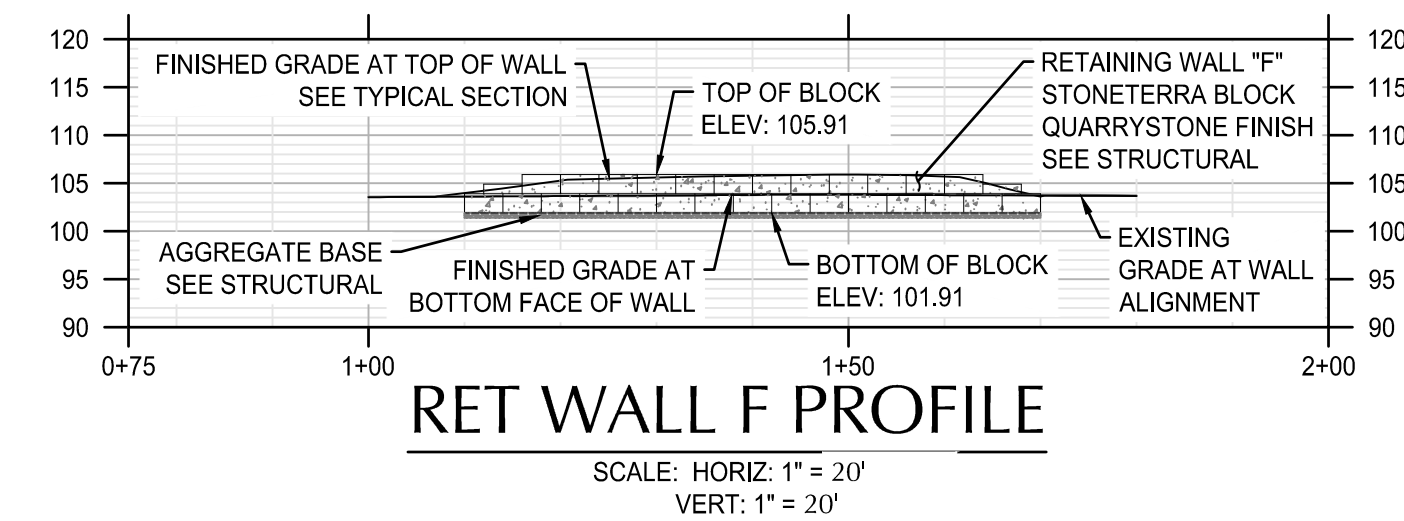
Ret Wall F										
Number	START STATION	END STATION	Length	Line/Chord Direction	PI NORTHING	PI EASTING	Radius	Δ	M	T
C30	1+00.00	1+48.34	48.344	S49° 55' 20.91"E	108906.734	347329.173	768.000	003° 36' 24"	0.38	24.180
C31	1+48.34	1+66.86	18.518	S43° 25' 28.12"E	108884.397	347354.085	113.000	009° 23' 22"	0.38	9.280
L30	1+66.86	1+80.00	13.138	S38° 43' 47.33"E						

SHEET NOTES

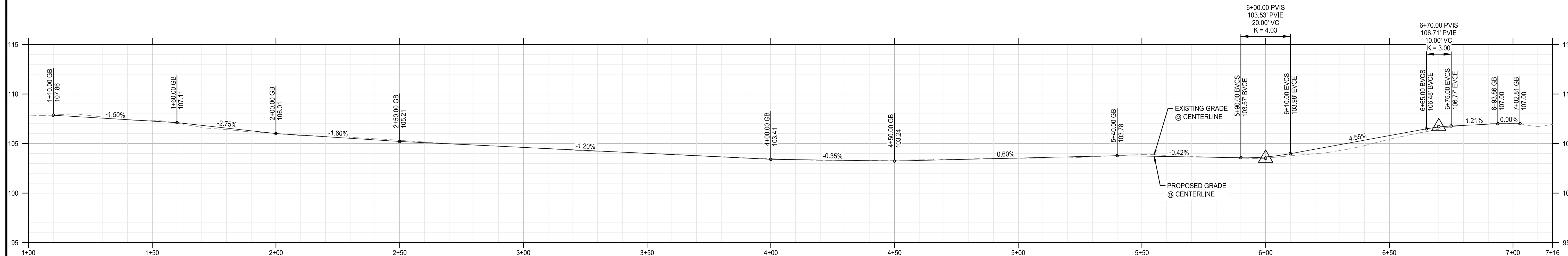
- SEE SHEET C0.08 FOR TRAIL ALIGNMENT HORIZONTAL CONTROL.
- SEE SHEET C2.06 FOR TRAIL TYPICAL SECTION.
- BASIS OF RETAINING WALL DESIGN IS THE STONETERRA WALL SYSTEM. 4'x2' AND 4'x1' BLOCKS ARE BOTH SHOWN.
- RETAINING WALL FACES SHALL BE QUARRYSTONE FINISH.
- SEE TYPICAL SECTIONS FOR THE CONTROL LINE LOCATION WITH RESPECT TO FACES OF BLOCKS OR COPING. ALIGNMENTS AND PROFILES ARE PROVIDED FOR WALL BLOCK CONFIGURATION ONLY. FINAL CONFIGURATION TO BE PROVIDED BY WALL SUPPLIER.
- REFER TO STRUCTURAL SHEET S2.01 FOR STRUCTURAL RETAINING WALL DETAILS.
- REFER TO STORM PLAN FOR WALL DRAINAGE DETAILS AND LOCATIONS.



W-TRAIL-1 PLAN



RET WALL F PROFILE



W-TRAIL-1 PROFILE

APPROVED
By Erich Lais at 12:51:29 PM, 05/31/2022

File: N:\proj\2020\00067-Dollar-Street-MS-CAD\PILOT\PUBLIC\2000067-C2.30-RD-DTLS-TRAIL-P&P.dwg TAB: C2.31
 Plotted: 5/26/22 at 8:29am By: mmanzer

REVISION	DATE	DESCRIPTION

SCALE

1 INCH = 20 FEET

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JOB No.: 2000067
 DESIGNED BY: LB/TK/MM/JG/NP
 DRAWN BY: SB/RC
 CHECKED BY: DP/CV
 PLOT DATE: 5/26/22 8:29am
 PLOTTED BY: mmanzer
 DWG NAME: 2000067-C2.30-RD-DTLS-TRAIL-P&P.dwg
 TAB NAME: C2.31

West Linn, OR 97068

NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS

ROADWAY DETAILS - WALLS, TRAIL PLAN AND PROFILE

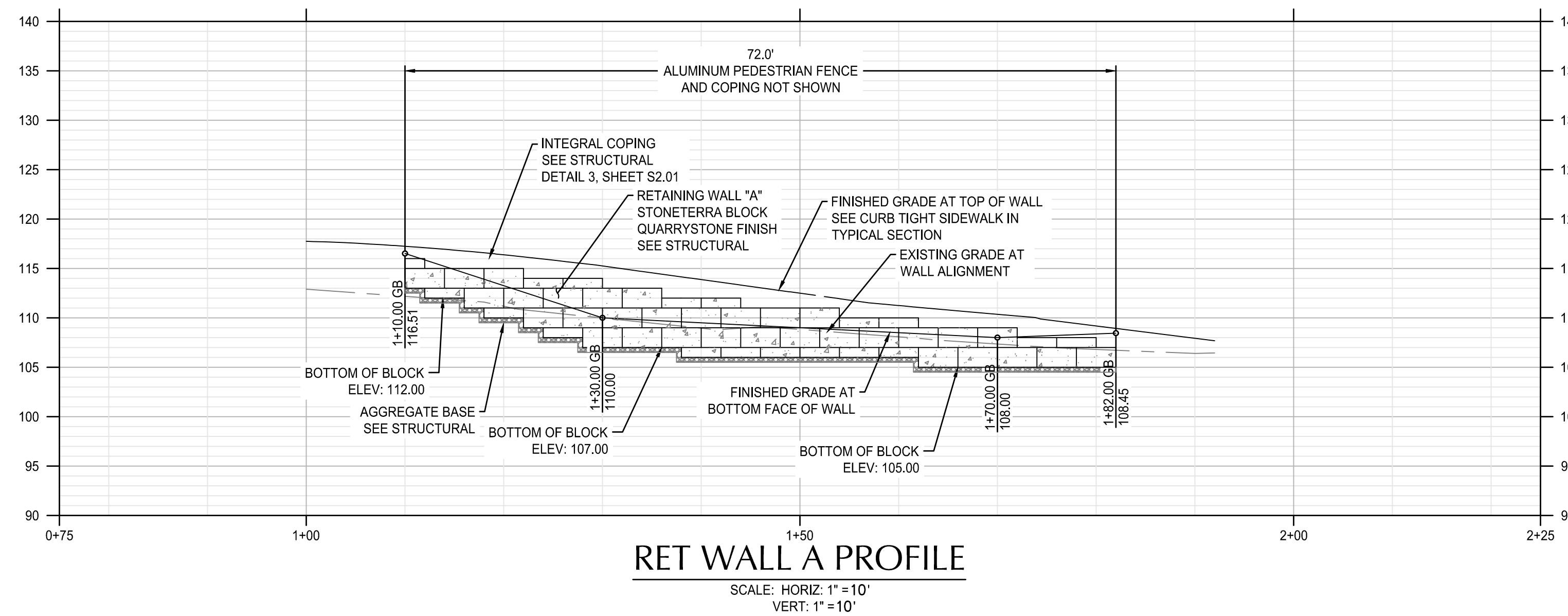
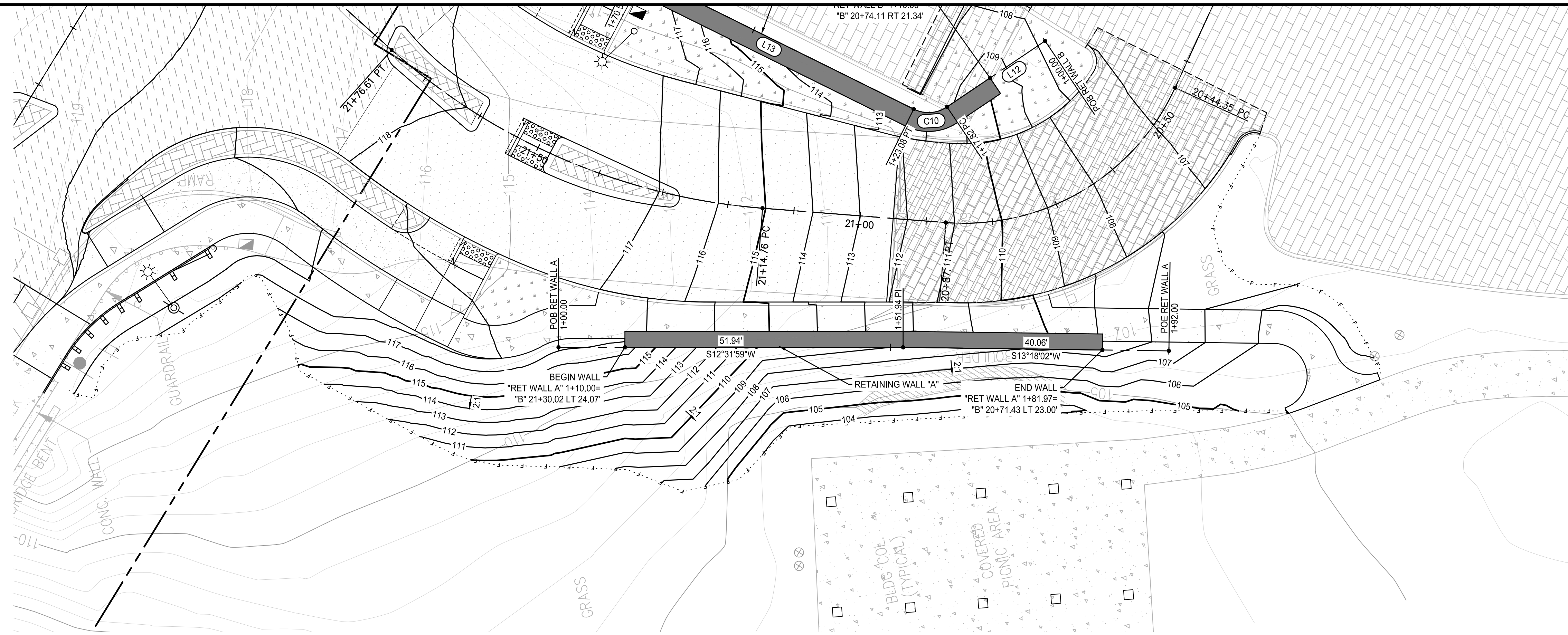
SHEET NO.

C2.31

SHEET 29 OF 153
 RECORD NO.
 2000067-29

SHEET NOTES

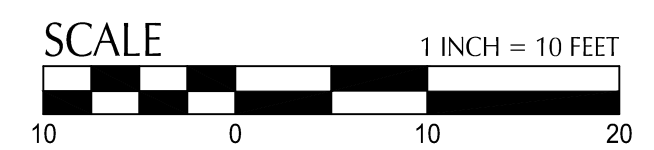
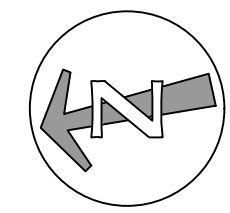
1. BASIS OF RETAINING WALL DESIGN IS THE STONETERRA WALL SYSTEM. 4x2' AND 4x1' BLOCKS ARE BOTH SHOWN.
2. RETAINING WALL FACES SHALL BE QUARRYSTONE FINISH.
3. SEE TYPICAL SECTIONS FOR THE CONTROL LINE LOCATION WITH RESPECT TO FACES OF BLOCKS OR COPING. ALIGNMENTS AND PROFILES ARE PROVIDED FOR WALL BLOCK CONFIGURATION ONLY. FINAL CONFIGURATION TO BE PROVIDED BY WALL SUPPLIER.
4. REFER TO STRUCTURAL SHEET S2.01 FOR STRUCTURAL RETAINING WALL DETAILS.
5. REFER TO STORM PLAN FOR WALL DRAINAGE DETAILS AND LOCATIONS.



APPROVED
By Erich Lais at 12:51:43 PM, 05/31/2022

File: N:\proj\2020\00067-Dollar-Street\MS\CAD\PLT\PUBLIC\2000067-C2.31-DTL-WALL.dwg TAB: C2.32
Plotted: 5/26/22 at 8:30am By: mmanzer

REVISION	DATE	DESCRIPTION



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JOB No.:	2000067
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DRAWN BY:	SB/RC
CHECKED BY:	DP/CV
PLOT DATE:	5/26/22 8:30am
PLOTTED BY:	mmanzer
DWG NAME:	2000067-C2.31-DTL-WALL.dwg
TAB NAME:	C2.32

West Linn, OR 97088

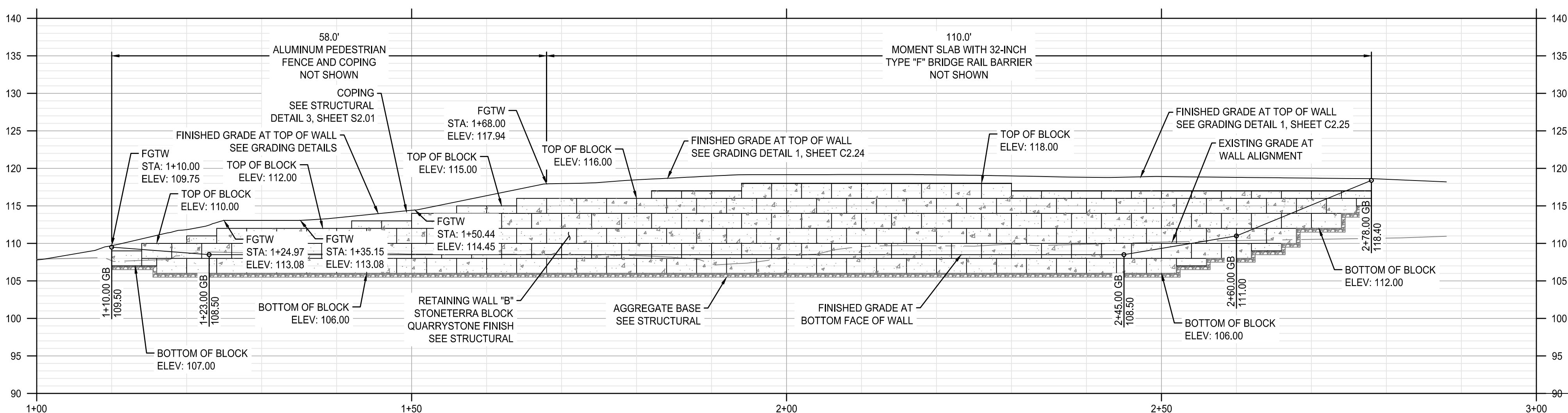
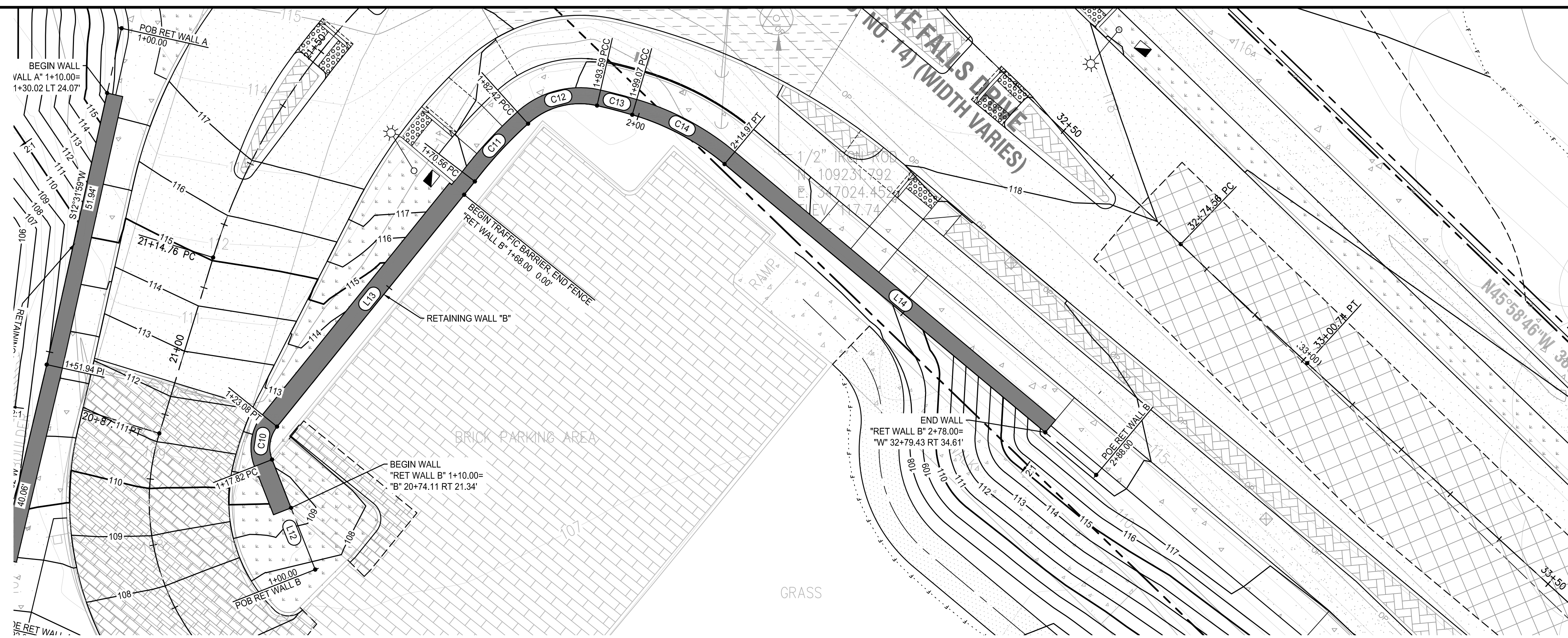
NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS

ROADWAY DETAILS - WALLS

SHEET NO.
C2.32
SHEET 30 OF 153
RECORD NO.
2000067-30

SHEET NOTES

1. BASIS OF RETAINING WALL DESIGN IS THE STONETERRA WALL SYSTEM. 4x2' AND 4x1' BLOCKS ARE BOTH SHOWN.
2. RETAINING WALL FACES SHALL BE QUARRYSTONE FINISH.
3. SEE TYPICAL SECTIONS FOR THE CONTROL LINE LOCATION WITH RESPECT TO FACES OF BLOCKS OR COPING. ALIGNMENTS AND PROFILES ARE PROVIDED FOR WALL BLOCK CONFIGURATION ONLY. FINAL CONFIGURATION TO BE PROVIDED BY WALL SUPPLIER.
4. REFER TO STRUCTURAL SHEET S2.01 FOR STRUCTURAL RETAINING WALL DETAILS.
5. REFER TO STORM PLAN FOR WALL DRAINAGE DETAILS AND LOCATIONS.



RET WALL B PROFILE
SCALE: HORIZ: 1" = 10'
VERT: 1" = 10'

APPROVED
By Erich Lais at 12:51:52 PM, 05/31/2022

Ret Wall B										
Number	START STATION	END STATION	Length	Line/Chord Direction	PI NORTHING	PI EASTING	Radius	Δ	M	T
L12	1+00.00	1+17.82	17.821	N21° 25' 08.47"W	109167.954	346947.360	5.000	060° 18' 27"	0.68	2.905
C10	1+17.82	1+23.08	5.263	N08° 44' 05.13"E	109167.954	346947.360	5.000	060° 18' 27"	0.68	2.905
L13	1+23.08	1+70.56	47.480	N38° 53' 18.74"E	109211.896	346982.601	64.670	010° 30' 14"	0.27	5.945
C11	1+70.56	1+82.42	11.856	N42° 37' 31.69"E	109211.896	346982.601	64.670	010° 30' 14"	0.27	5.945
C12	1+82.42	1+93.59	11.174	N75° 18' 27.86"E	109219.946	346991.502	11.670	054° 51' 38"	1.31	6.057
C13	1+93.59	1+99.07	5.478	S75° 27' 04.27"E	109218.006	347000.083	86.670	003° 37' 18"	0.04	2.740
C14	1+99.07	2+14.97	15.899	S61° 51' 43.85"E	109214.963	347010.449	38.670	023° 33' 23"	0.81	8.063
L14	2+14.97	2+88.00	73.031	S50° 05' 02.21"E	109214.963	347010.449	38.670	023° 33' 23"	0.81	8.063

File: N:\proj\2020\00067-Dollar-Street\MS\CAD\PILOT\PUBLIC\2000067-C2.31-DTL-WALL.dwg TAB: C2.33
Plotted: 5/26/22 at 8:30am By: mmanzer

REVISION	DATE	DESCRIPTION

SCALE

10 0 10 20

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REGISTERED PROFESSIONAL ENGINEER
13,727
DIGITALLY SIGNED 05/26/2022 11:05 AM OREGON
JULY 16, 1981
MARK B. WHARRY
EXPIRES 6/30/2022

JOB No.: 2000067
DESIGNED BY: LB/TK/MM/JG/NP
DRAWN BY: SB/RC
CHECKED BY: DP/CV
PLOT DATE: 5/26/22 8:30am
PLOTTED BY: mmanzer
DWC NAME: 2000067-C2.31-DTL-WALL.dwg
TAB NAME: C2.33

West Linn, OR 97068

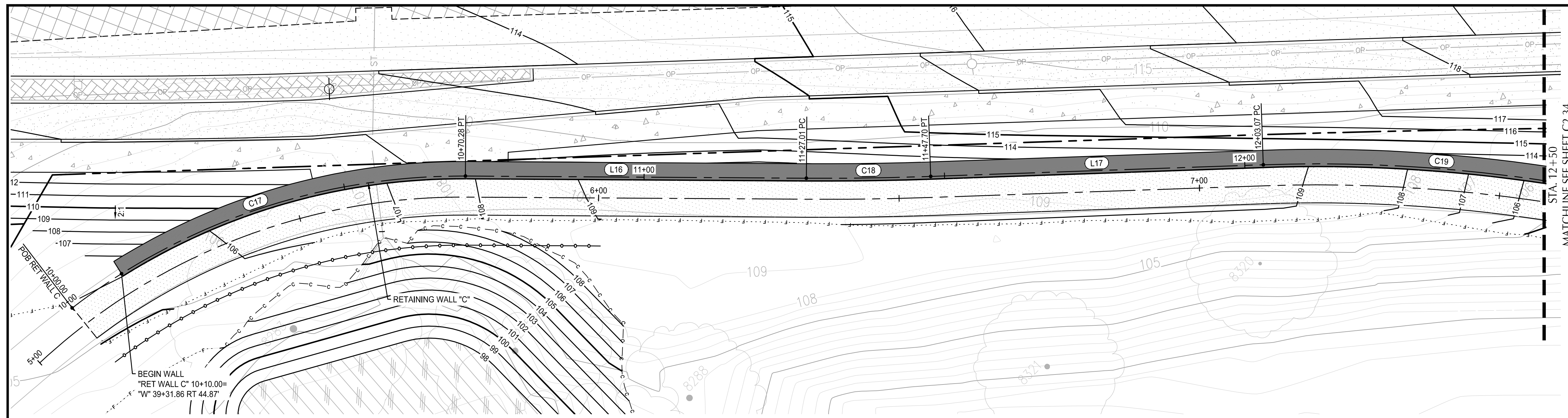
NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS

ROADWAY DETAILS - WALLS

SHEET NO.
C2.33
SHEET 31 OF 153
RECORD NO.
2000067-31

SHEET NOTES

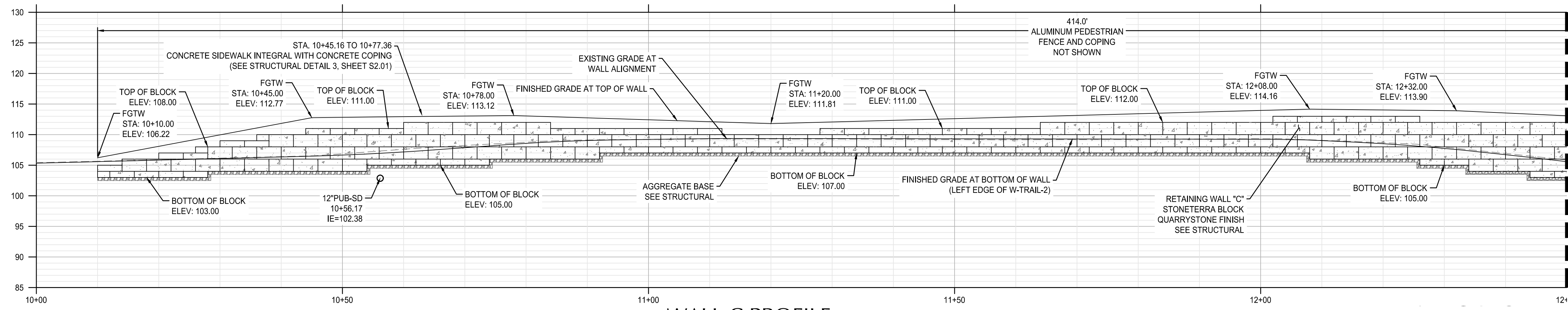
1. BASIS OF RETAINING WALL DESIGN IS THE STONETERRA WALL SYSTEM. 4x2' AND 4x1' BLOCKS ARE BOTH SHOWN.
2. RETAINING WALL FACES SHALL BE QUARRYSTONE FINISH.
3. SEE TYPICAL SECTIONS FOR THE CONTROL LINE LOCATION WITH RESPECT TO FACES OF BLOCKS OR COPING. ALIGNMENTS AND PROFILES ARE PROVIDED FOR WALL BLOCK CONFIGURATION ONLY. FINAL CONFIGURATION TO BE PROVIDED BY WALL SUPPLIER.
4. REFER TO STRUCTURAL SHEET S2.01 FOR STRUCTURAL RETAINING WALL DETAILS.
5. REFER TO STORM PLAN FOR WALL DRAINAGE DETAILS AND LOCATIONS.



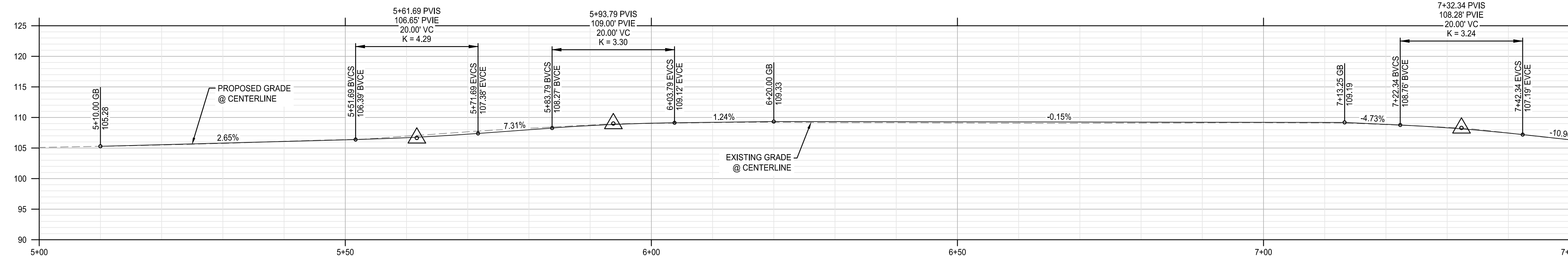
MATCHLINE SEE SHEET C2.34

MATCHLINE SEE SHEET C2.34

MATCHLINE SEE SHEET C2.34



WALL C PROFILE
SCALE: HORIZ: 1" = 10'
VERT: 1" = 10'



W-TRAIL-2 PROFILE
SCALE: HORIZ: 1" = 10'
VERT: 1" = 10'

APPROVED
By Erich Lais at 12:52:09 PM, 05/31/2022

File: N:\proj\2020\00067-Dollar-Street\MS\CAD\PILOT\PUBLIC\2000067-C2.31-DTL-WALL.dwg TAB: C2.34
Plotted: 5/26/22 at 8:30am By: mmanzer

REVISION	DATE	DESCRIPTION

SCALE

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JOB No.: 2000067
DESIGNED BY: LB/TK/MM/JG/NP
DRAWN BY: SB/RC
CHECKED BY: DP/VCV
PLOT DATE: 5/26/22 8:30am
PLOTTED BY: mmanzer
DWC NAME: 2000067-C2.31-DTL-WALL.dwg
TAB NAME: C2.34

West Linn, OR 97068

NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS

ROADWAY DETAILS - WALLS, TRAIL PLAN AND PROFILE

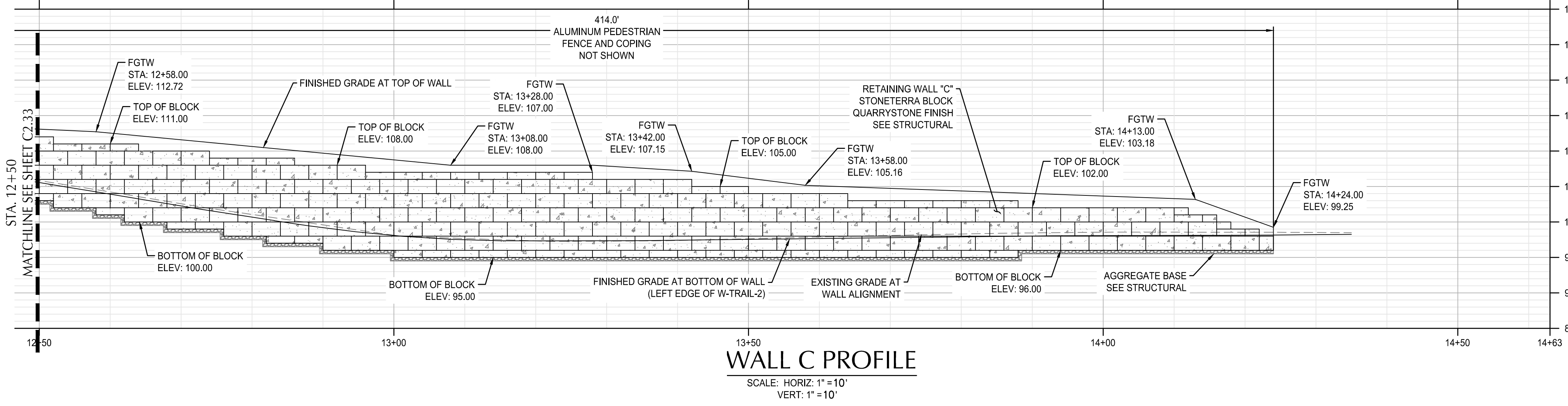
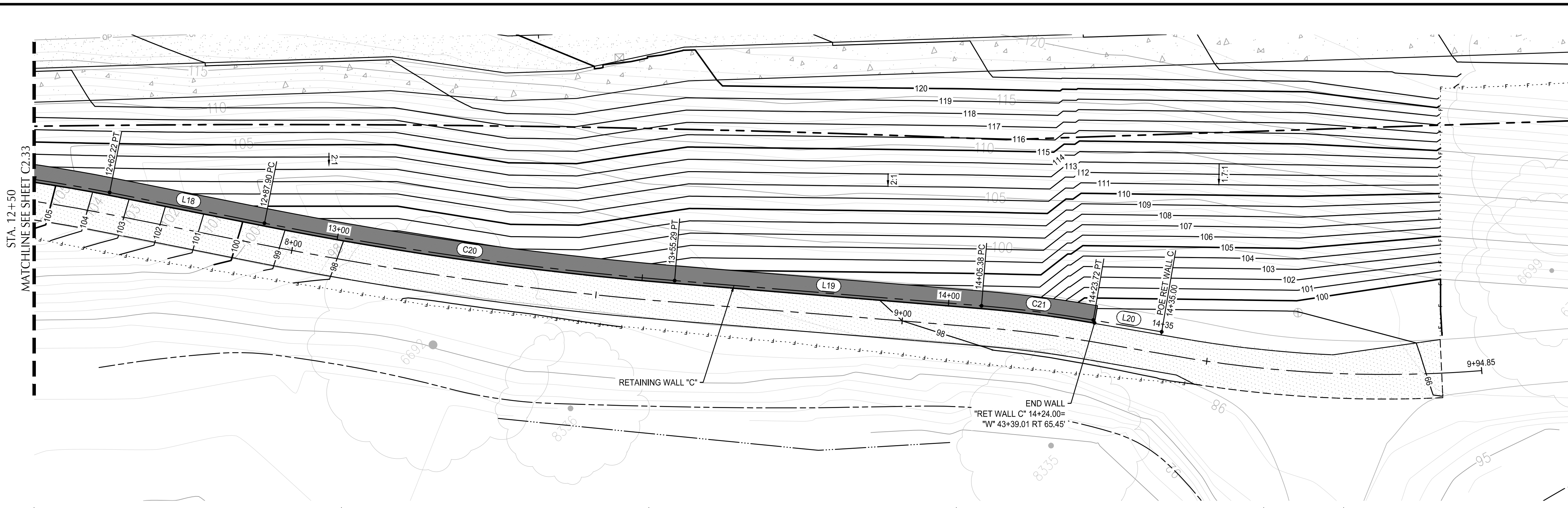
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C2.34

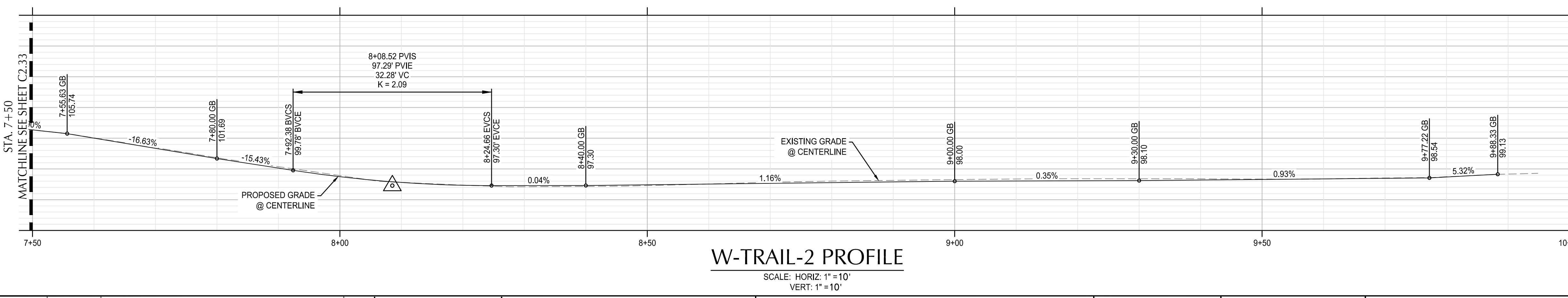
SHEET 32 OF 153
RECORD NO.
2000067-32

SHEET NOTES

1. BASIS OF RETAINING WALL DESIGN IS THE STONETERRA WALL SYSTEM. 4'x2' AND 4'x1' BLOCKS ARE BOTH SHOWN.
2. RETAINING WALL FACES SHALL BE QUARRYSTONE FINISH.
3. SEE TYPICAL SECTIONS FOR THE CONTROL LINE LOCATION WITH RESPECT TO FACES OF BLOCKS OR COPING. ALIGNMENTS AND PROFILES ARE PROVIDED FOR WALL BLOCK CONFIGURATION ONLY. FINAL CONFIGURATION TO BE PROVIDED BY WALL SUPPLIER.
4. REFER TO STRUCTURAL SHEET S2.01 FOR STRUCTURAL RETAINING WALL DETAILS.
5. REFER TO STORM PLAN FOR WALL DRAINAGE DETAILS AND LOCATIONS.



Ret Wall C										
Number	START STATION	END STATION	Length	Line/Chord Direction	PI NORTHING	PI EASTING	Radius	Δ	M	T
C17	10+00.00	10+70.28	70.283	S62° 37' 02.24"E	108703.499	347549.267	106.500	037° 48' 40"	5.75	36.475
L16	10+70.28	11+27.01	56.726	S43° 42' 42.09"E						
C18	11+27.01	11+47.70	20.690	S44° 53' 36.99"E	108628.652	347620.822	501.500	002° 21' 50"	0.11	10.347
L17	11+47.70	12+03.07	55.373	S46° 04' 31.89"E						
C19	12+03.07	12+62.22	59.146	S39° 28' 10.59"E	108562.455	347689.552	256.500	013° 12' 43"	1.70	29.705
L18	12+62.22	12+87.90	25.678	S32° 51' 49.29"E						
C20	12+87.90	13+55.29	67.397	S36° 07' 00.81"E	108487.600	347737.910	593.500	006° 30' 23"	0.96	33.735
L19	13+55.29	14+05.38	50.090	S39° 22' 12.33"E						
C21	14+05.38	14+23.72	18.334	S36° 49' 35.56"E	108415.706	347796.901	206.500	005° 05' 14"	0.20	9.173
L20	14+23.72	14+35.00	11.285	S34° 16' 58.80"E						



APPROVED
By Erich Lais at 12:54:58 PM, 05/31/2022

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DESIGNED BY: LB/TK/MM/JG/NP
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CHECKED BY: DP/CV
PLOT DATE: 5/26/22 8:30am
PLOTTED BY: mmanzer
DWG NAME: 2000067-C2.31-OTL-WALL.dwg
TAB NAME: C2.35

West Linn, OR 97068

NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS

ROADWAY DETAILS - WALLS, TRAIL PLAN AND PROFILE

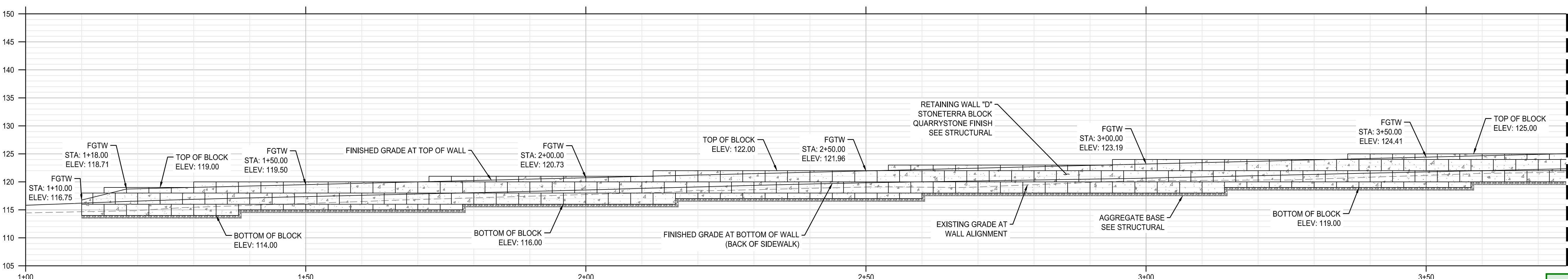
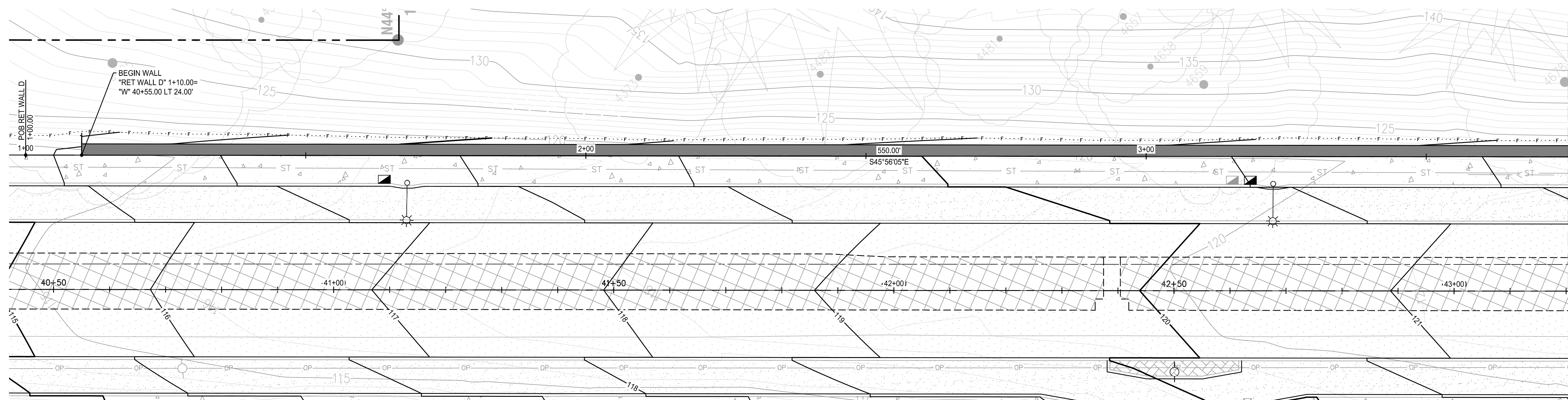
SHEET NO.

C2.35

SHEET 33 OF 153
RECORD NO. 2000067-33

SHEET NOTES

1. BASIS OF RETAINING WALL DESIGN IS THE STONETERRA WALL SYSTEM. 4x2 AND 4x1 BLOCKS ARE BOTH SHOWN.
2. RETAINING WALL FACES SHALL BE QUARRYSTONE FINISH.
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4. REFER TO STRUCTURAL SHEET S2.01 FOR STRUCTURAL RETAINING WALL DETAILS.
5. REFER TO STORM PLAN FOR WALL DRAINAGE DETAILS AND LOCATIONS.



RET WALL D PROFILE

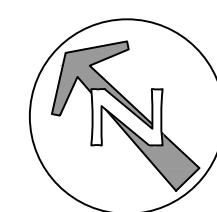
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VERT: 1" = 10'

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By Erich Lais at 1:04:24 PM, 05/31/2022

File: N:\proj\2020\00067-Dollar-Street-MS-CAD\PILOT\PUBLIC\2000067-C2.31-DTL-WALL.dwg TAB: C2.36
Plotted: 5/26/22 at 0:31am By: rmanzer

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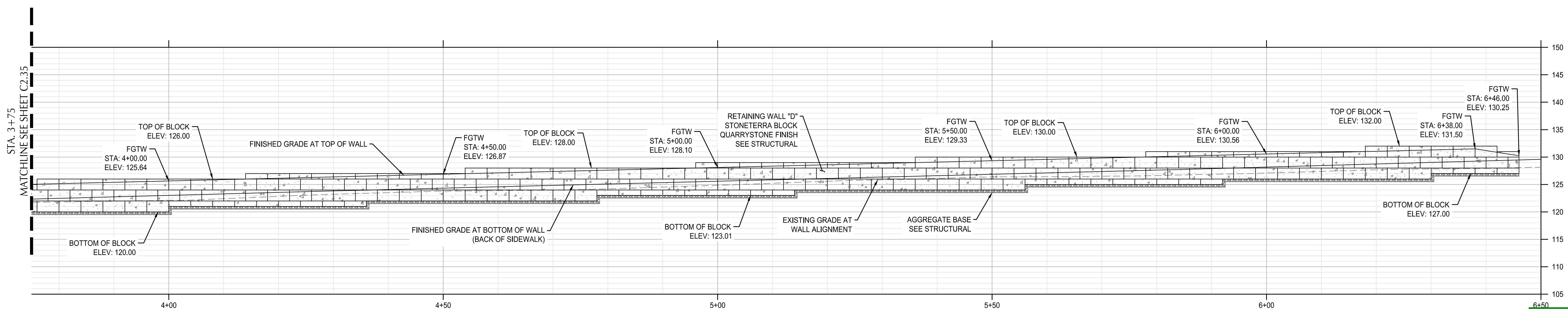
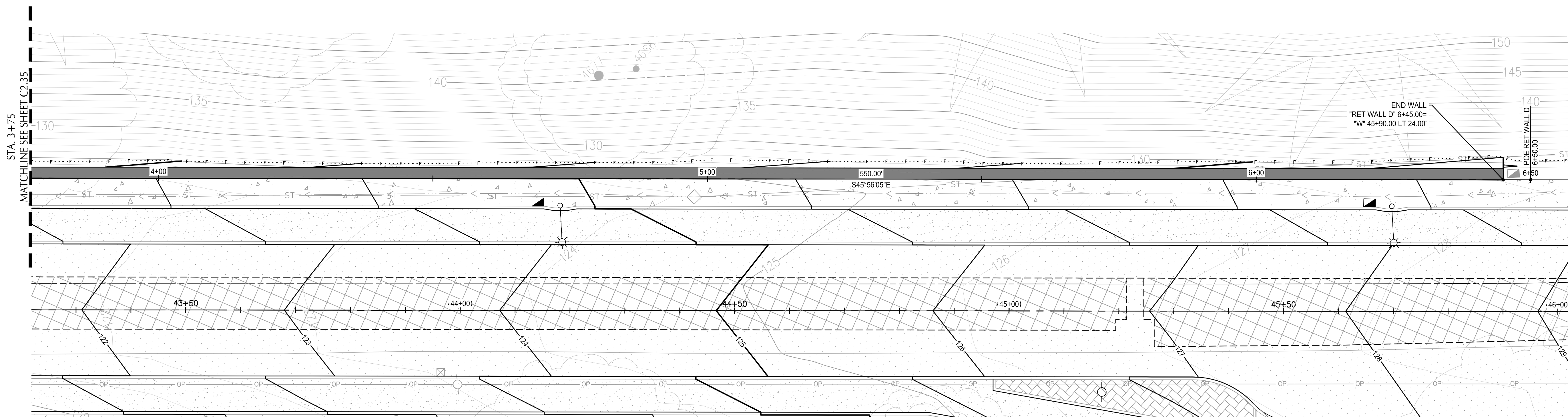
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DESIGNED BY: LB/TK/MM/JG/NP
DRAWN BY: SB/RC
CHECKED BY: DP/CV
PLOT DATE: 5/26/22 8:31am
PLOTTED BY: rmanzer
DWC NAME: 2000067-C2.31-DTL-WALL.dwg
TAB NAME: C2.36

West Linn, OR 97068
NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS
ROADWAY DETAILS - WALLS

SHEET NO.
C2.36
SHEET 34 OF 153
RECORD NO.
2000067-34

SHEET NOTES

1. BASIS OF RETAINING WALL DESIGN IS THE STONETERRA WALL SYSTEM. 4x2' AND 4x1' BLOCKS ARE BOTH SHOWN.
2. RETAINING WALL FACES SHALL BE QUARRYSTONE FINISH.
3. SEE TYPICAL SECTIONS FOR THE CONTROL LINE LOCATION WITH RESPECT TO FACES OF BLOCKS OR COPING. ALIGNMENTS AND PROFILES ARE PROVIDED FOR WALL, BLOCK CONFIGURATION ONLY. FINAL CONFIGURATION TO BE PROVIDED BY WALL SUPPLIER.
4. REFER TO STRUCTURAL SHEET S2.01 FOR STRUCTURAL RETAINING WALL DETAILS.
5. REFER TO STORM PLAN FOR WALL DRAINAGE DETAILS AND LOCATIONS.



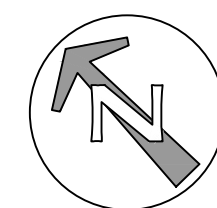
RET WALL D PROFILE

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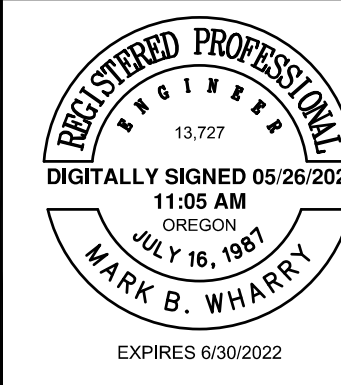
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By Erich Lais at 1:04:47 PM, 05/31/2022

File: N:\proj\2020\00067-Dollar-Street\MS\CAD\PILOT\PUBLIC\2000067-C2.31-DTL-WALL.dwg TAB: C2.37
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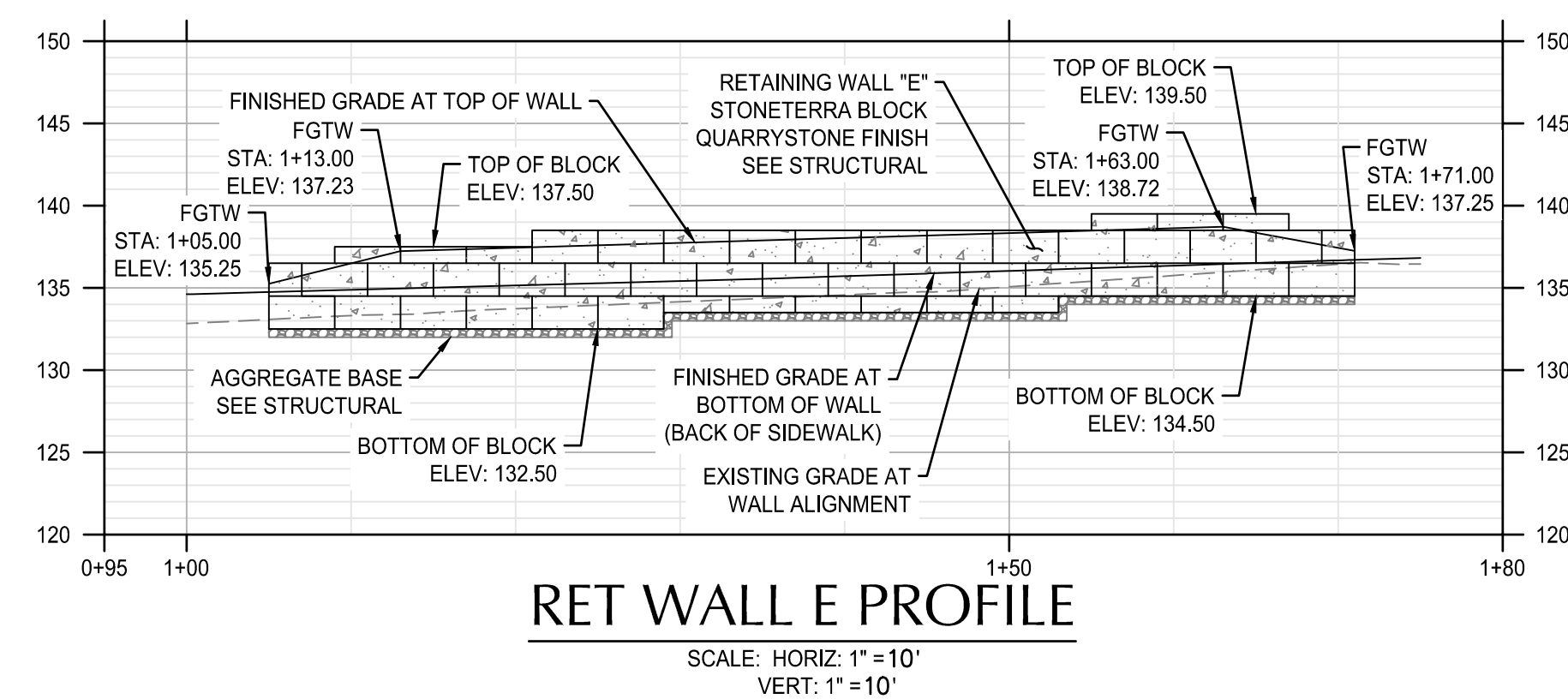
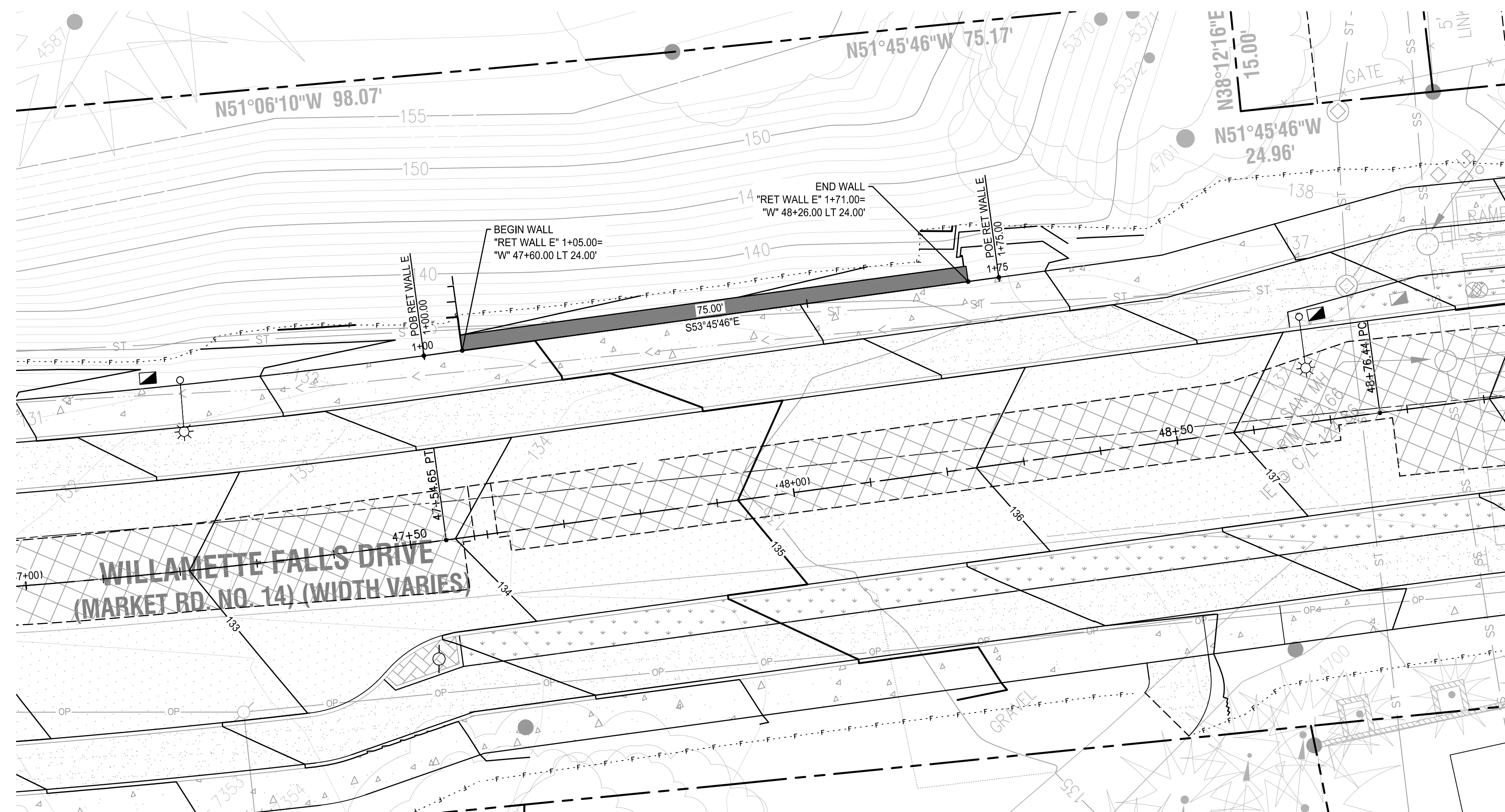
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DESIGNED BY: LB/TK/MM/JG/NP
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CHECKED BY: DP/CV
PLOT DATE: 5/26/22 8:31am
PLOTTED BY: mmanzer
DWC NAME: 2000067-C2.31-DTL-WALL.dwg
TAB NAME: C2.37

West Linn, OR 97068
NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS
ROADWAY DETAILS - WALLS

SHEET NO.
C2.37
SHEET 35 OF 153
RECORD NO.
2000067-35

SHEET NOTES

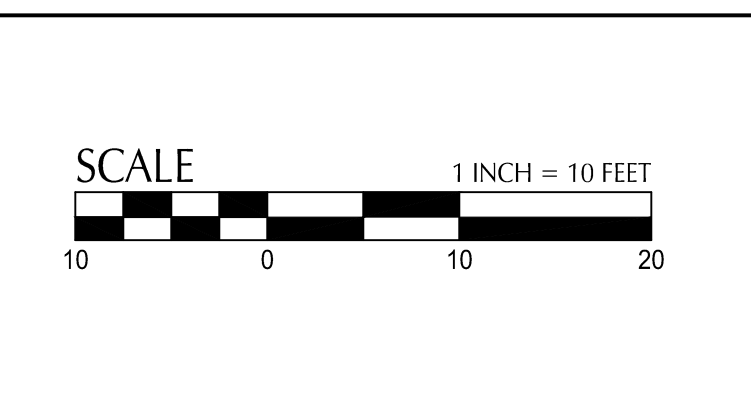
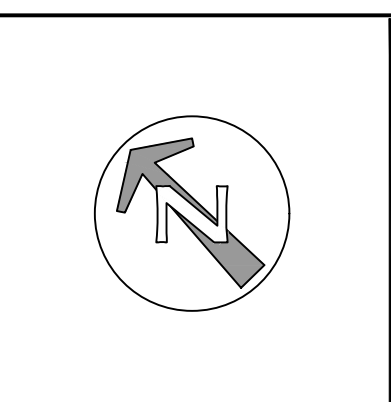
1. BASIS OF RETAINING WALL DESIGN IS THE STONETERRA WALL SYSTEM. 4x2' AND 4x1' BLOCKS ARE BOTH SHOWN.
2. RETAINING WALL FACES SHALL BE QUARRYSTONE FINISH.
3. SEE TYPICAL SECTIONS FOR THE CONTROL LINE LOCATION WITH RESPECT TO FACES OF BLOCKS OR COPING. ALIGNMENTS AND PROFILES ARE PROVIDED FOR WALL. BLOCK CONFIGURATION ONLY. FINAL CONFIGURATION TO BE PROVIDED BY WALL SUPPLIER.
4. REFER TO STRUCTURAL SHEET S2.01 FOR STRUCTURAL RETAINING WALL DETAILS.
5. REFER TO STORM PLAN FOR WALL DRAINAGE DETAILS AND LOCATIONS.



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File: N:\proj\2020\00067-Dollar-Street\MS\CAD\PLOT\PUBLIC\2000067-C2.31-DTL-WALL.dwg TAB: C2.38
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PLOT DATE:	5/26/22 8:31am
PLOTTED BY:	mmanzer
DWG NAME:	2000067-C2.31-DTL-WALL.dwg
TAB NAME:	C2.38

West Linn, OR 97068

NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS

ROADWAY DETAILS - WALLS

SHEET NO.
C2.38
 SHEET 36 OF 153
 RECORD NO.
 2000067-36

File: N:\proj\2020\00067-Dollar-Street-MISCAD\PILOT\PUBLIC\2000067-C2.11-DTL.dwg TAB: C2.41
 Plotted: 5/26/22 at 0:31 am By: mmanner

2" (in)	3" (in)	4" (in)	6" (in)	8" (in)
4	10	4	8	
6	10	4	8	
8	10	6	10	
10	10	6	10	
12	12	6	10	
15	12	6	10	
18	16	6	12	
21	16	6	12	
24	18	6	12	
30	18	6	12	
36	24	6	14	
42	24	6	14	
48	24	6	14	
54	24	6	14	
60	24	6	14	
66	24	6	14	
72	24	6	14	

For pipes over 72" diameter, see general note 3.

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

- Surfacing of paved areas shall comply with street cut Dwg. RD302.
- For pipe installation in embankment areas where the trench method will not be used and the pipe is $\geq 36"$ diameter, increase dimension "B" to nominal pipe diameter.
- Pipes over 72" diameter are structures, and are not applicable to this drawing.
- See Std. Dwg. RD336 for tracer wire details (When required).

Effective Date: December 1, 2021 – May 31, 2022

TYPE 1 SUBSURFACE DRAIN INSTALLATION

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

- In guard rail areas extend outlet protection block to back of guard rail post min.
- Mesh for rodent control to be galvanized wire or approved equal.

Effective Date: December 1, 2021 – May 31, 2022

MANHOLE WITH PRECAST FLAT SLAB TOP

MANHOLE WITH PRECAST CONICAL TOP

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

- All precast products shall conform to requirements of ASTM C478.
- Standard precast manhole section diameter shall be 48". Use 42" if specified by the Engineer.
- See Std. Dwg. RD345 for pipe to manhole connections.
- See Std. Dwg. RD344 for manhole base section.
- Adjust 24" maximum.
- All connecting pipes shall have a tracer wire, or approved alternate.
- See Std. Dwg. RD336 for manhole steps.
- See Std. Dwg. RD336 for details not shown.
- See Std. Dwg. RD336 for manhole covers and frames, manhole adjustment rings, etc.
- Max. pipe diameter varies with pipe material.
- See Std. Dwg. RD342 for shallow manholes.
- Location, elevation, diameter, slope, and number of pipe(s) varies, see project plans.

Effective Date: December 1, 2021 – May 31, 2022

STORM SEWER POLLUTION CONTROL MANHOLE

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

- All precast products shall conform to requirements of ASTM C478.
- Standard precast manhole section diameter shall be 72".
- See Std. Dwg. RD345 for pipe to manhole connections.
- See Std. Dwg. RD344 for manhole base section, for details not shown.
- See Std. Dwg. RD336 for manhole steps details, and flat slab top orientation.
- Adjust 24" max.
- See Std. Dwg. RD336 for tracer wire details.
- See Std. Dwg. RD336 for manhole steps.
- Max. pipe diameter varies with pipe material.
- Location, elevation, diameter, slope, and number of pipe(s) varies, see project plans.

Effective Date: December 1, 2021 – May 31, 2022

REVISION	DATE	DESCRIPTION

APPROVED
 By Erich Lais at 1:05:22 PM, 05/31/2022



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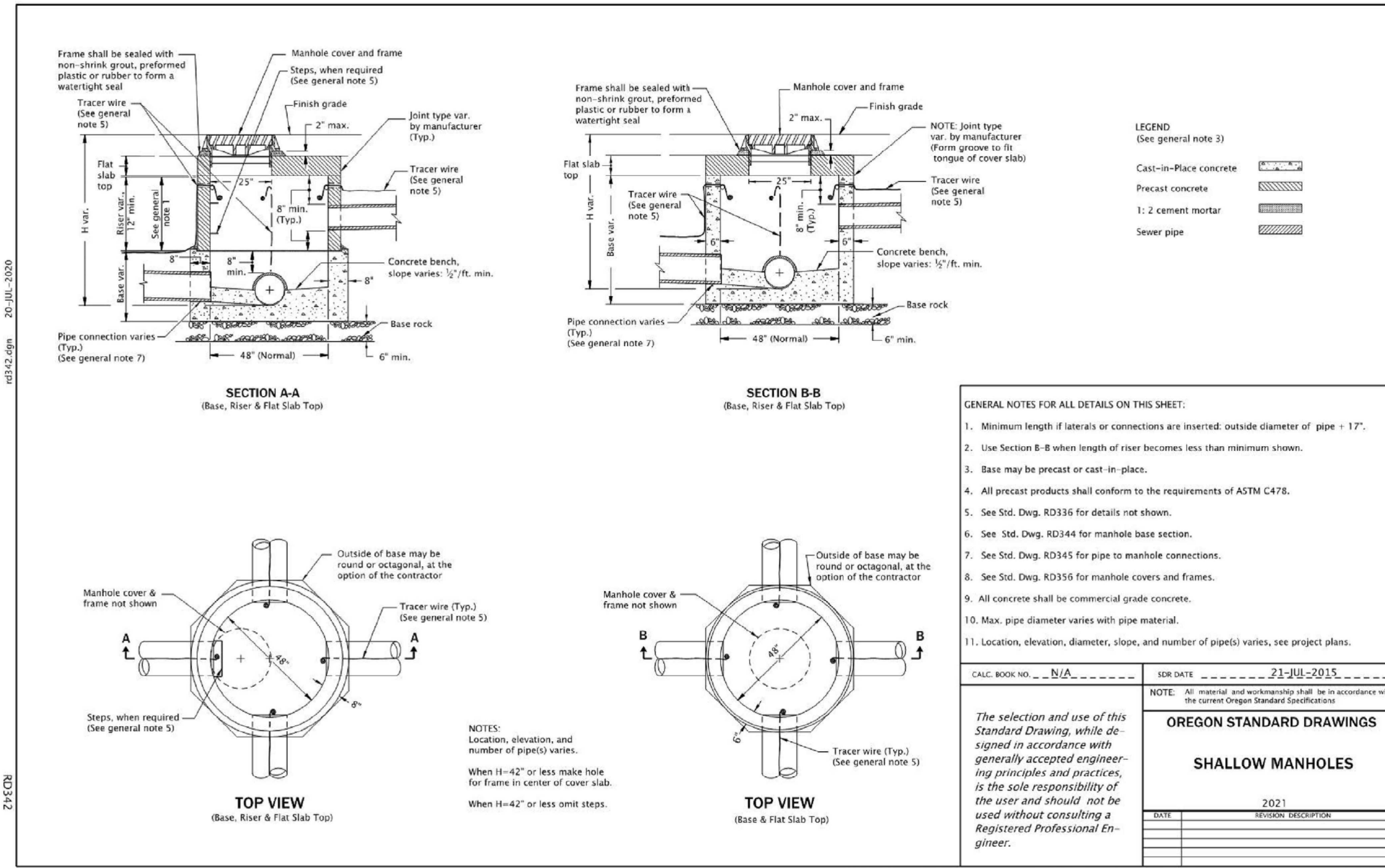


JOB No.: 2000067
 DESIGNED BY: LB/TK/MM/JG/NP
 DRAWN BY: SB/RC
 CHECKED BY: DP/CV
 PLOT DATE: 5/26/22 8:31am
 PLOTTED BY: mmanner
 DWG NAME: 2000067-C2.11-DTL.dwg
 TAB NAME: C2.41

West Linn, OR 97068
 NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS

STORM DETAILS

SHEET NO.
C2.41
 SHEET 37 OF 153
 RECORD NO. 2000067-37



LEGEND
 Cast-in-Place concrete
 Precast concrete
 1: 2 cement mortar
 Sewer pipe

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

- Minimum length if laterals or connections are inserted: outside diameter of pipe + 17'.
- Use Section B-B when length of riser becomes less than minimum shown.
- Base may be precast or cast-in-place.
- All precast products shall conform to the requirements of ASTM C478.
- See Std. Dwg. RD336 for details not shown.
- See Std. Dwg. RD344 for manhole base section.
- See Std. Dwg. RD345 for pipe to manhole connections.
- See Std. Dwg. RD356 for manhole covers and frames.
- All concrete shall be commercial grade concrete.
- Max. pipe diameter varies with pipe material.
- Location, elevation, diameter, slope, and number of pipe(s) varies, see project plans.

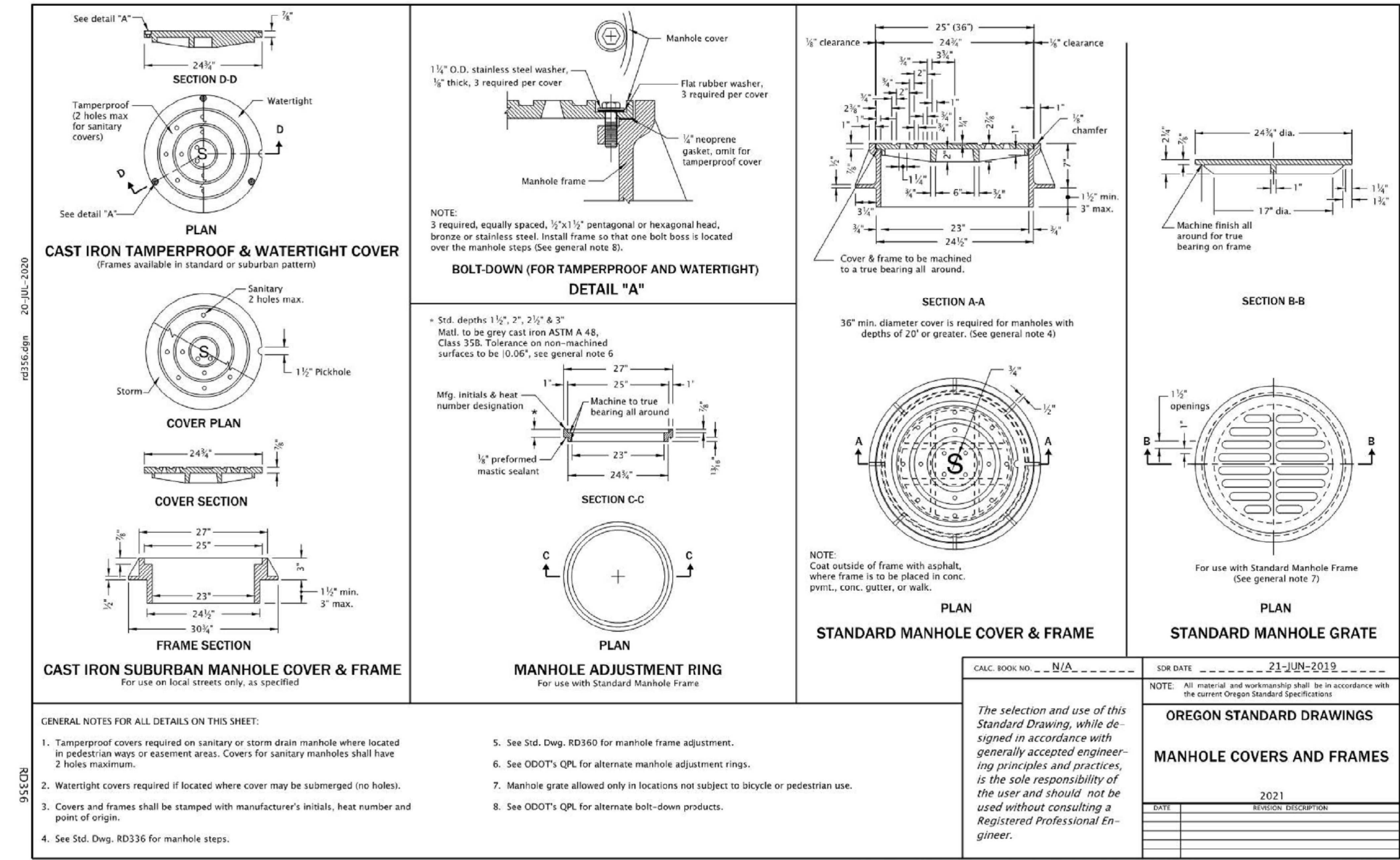
Calc. Book No. N/A SDR DATE 21-JUL-2019

OREGON STANDARD DRAWINGS
SHALLOW MANHOLES
 2021

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

Effective Date: December 1, 2021 - May 31, 2022

RD342



GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

- Tamperproof covers required on sanitary or storm drain manhole where located in pedestrian ways or easement areas. Covers for sanitary manholes shall have 2 holes maximum.
- Watertight covers required if located where cover may be submerged (no holes).
- Covers and frames shall be stamped with manufacturer's initials, heat number and point of origin.
- See Std. Dwg. RD336 for manhole steps.
- See Std. Dwg. RD360 for manhole frame adjustment.
- See ODOT's QPL for alternate manhole adjustment rings.
- Manhole grate allowed only in locations not subject to bicycle or pedestrian use.
- See ODOT's QPL for alternate bolt-down products.

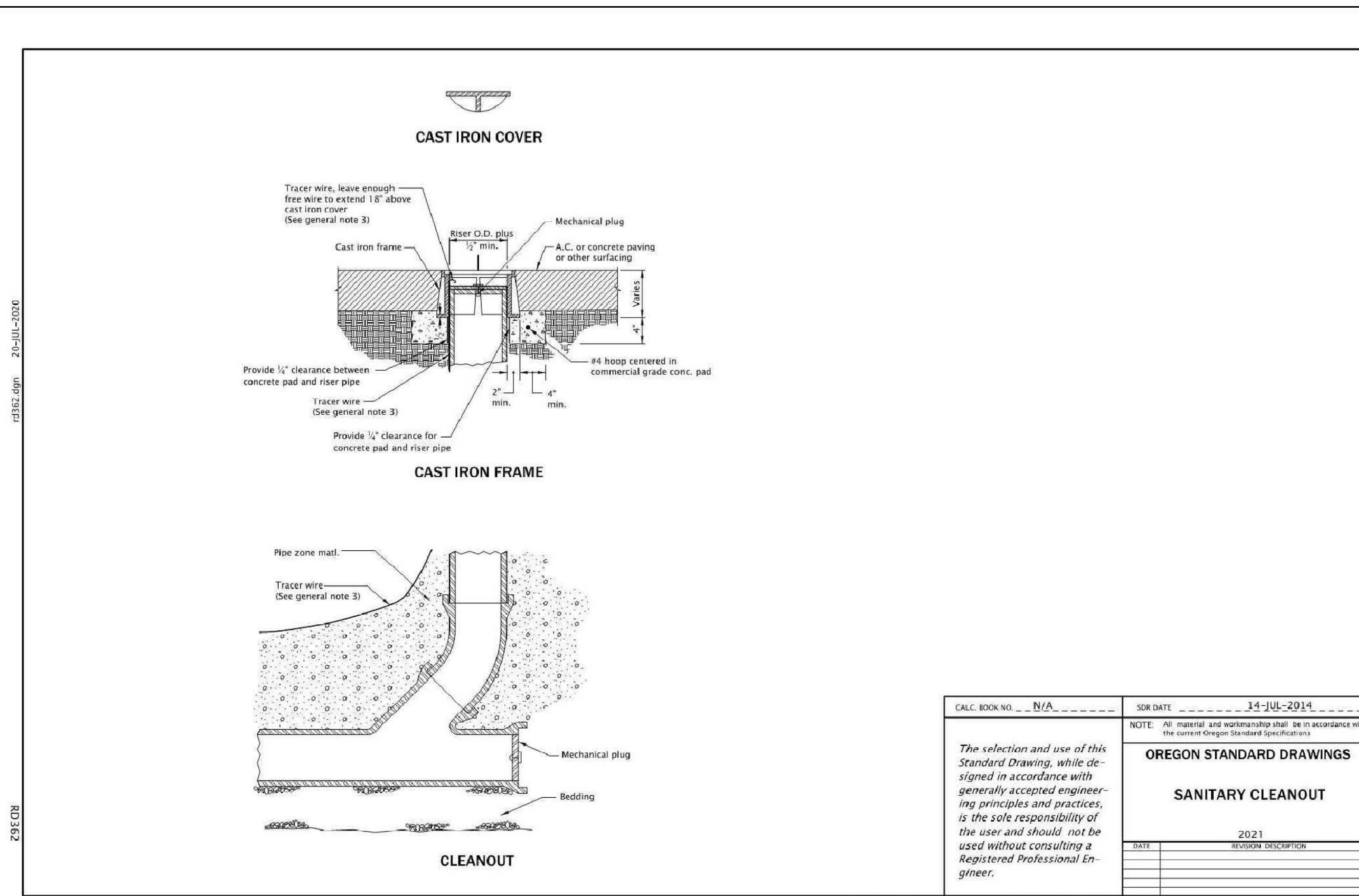
Calc. Book No. N/A SDR DATE 21-JUN-2019

OREGON STANDARD DRAWINGS
MANHOLE COVERS AND FRAMES
 2021

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

Effective Date: December 1, 2021 - May 31, 2022

RD356



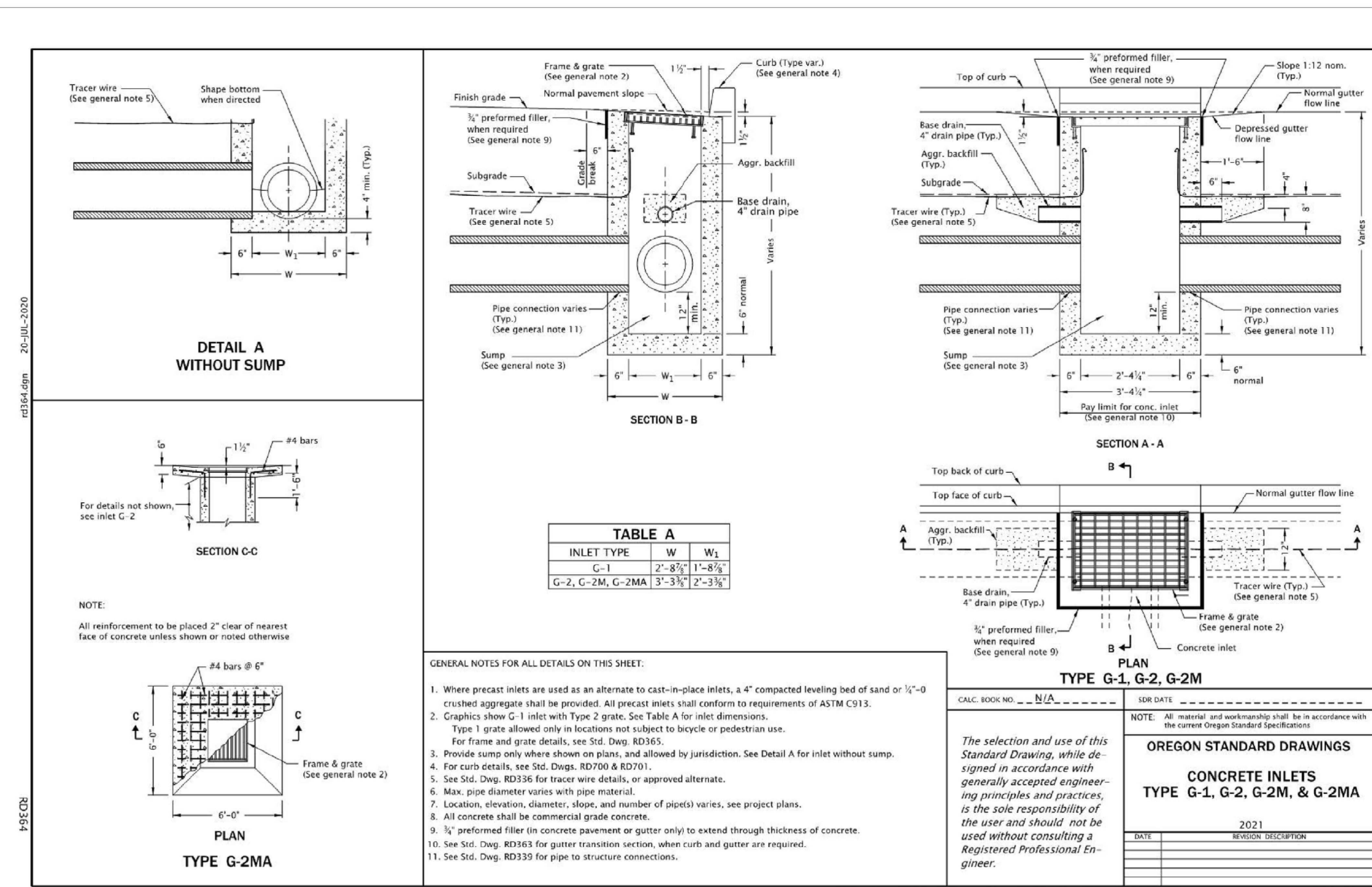
Calc. Book No. N/A SDR DATE 14-JUL-2014

OREGON STANDARD DRAWINGS
SANITARY CLEANOUT
 2021

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

Effective Date: December 1, 2021 - May 31, 2022

RD362



INLET TYPE	W	W ₁
G-1	2'-8 1/2"	1'-8 1/2"
G-2, G-2M, G-2MA	3'-3 1/2"	2'-3 1/2"

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

- Where precast inlets are used as an alternate to cast-in-place inlets, a 4" compacted leveling bed of sand or 1/4"-0 crushed aggregate shall be provided. All precast inlets shall conform to requirements of ASTM C913.
- Graphics show G-1 inlet with Type 2 grate. See Table A for inlet dimensions.
- Type 1 grate allowed only in locations not subject to bicycle or pedestrian use.
- For frame and grate details, see Std. Dwg. RD365.
- Provide sump only where shown on plans, and allowed by jurisdiction. See Detail A for inlet without sump.
- For curb details, see Std. Dwg. RD700 & RD701.
- See Std. Dwg. RD336 for tracer wire details, or approved alternate.
- Max. pipe diameter varies with pipe material.
- Location, elevation, diameter, slope, and number of pipe(s) varies, see project plans.
- All concrete shall be commercial grade concrete.
- 1/2" preformed filler (in concrete pavement or gutter only) to extend through thickness of concrete.
- See Std. Dwg. RD363 for gutter transition section, when curb and gutter are required.
- See Std. Dwg. RD339 for pipe to structure connections.

Calc. Book No. N/A SDR DATE

OREGON STANDARD DRAWINGS
CONCRETE INLETS
 TYPE G-1, G-2, G-2M, & G-2MA
 2021

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

Effective Date: December 1, 2021 - May 31, 2022

RD364

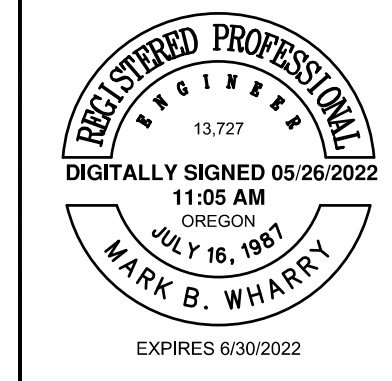
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 2/23/24

REVISION	DATE	DESCRIPTION

APPROVED
 By Erich Lais at 1:05:35 PM, 05/31/2022



111 SW Fifth Ave., Suite 2600
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JOB No.: 2000067
 DESIGNED BY: LB/TK/MM/JG/NP
 DRAWN BY: SB/RC
 CHECKED BY: DP/CV
 PLOT DATE: 5/26/22 8:31am
 PLOTTED BY: mmanzer
 DWG NAME: 2000067-C2.11-DTL.dwg
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West Linn, OR 97068

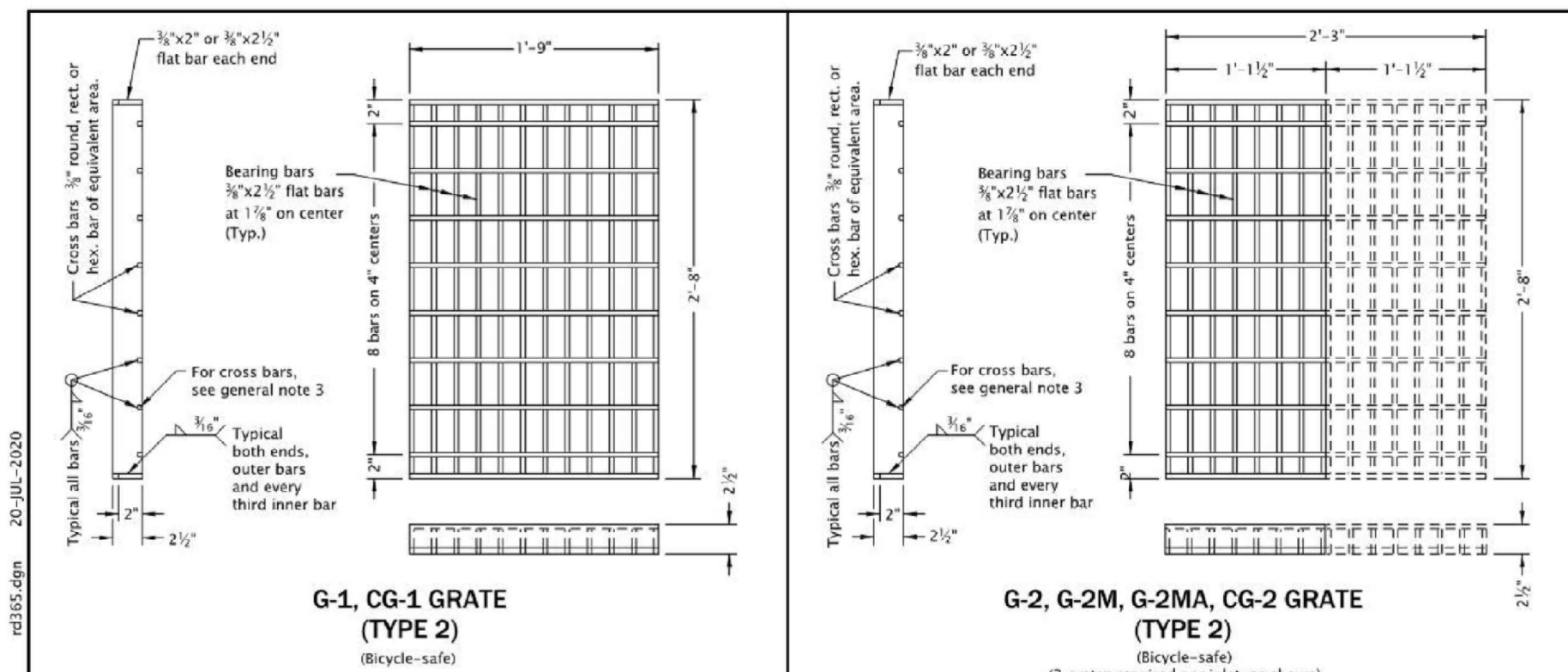
NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS

STORM DETAILS

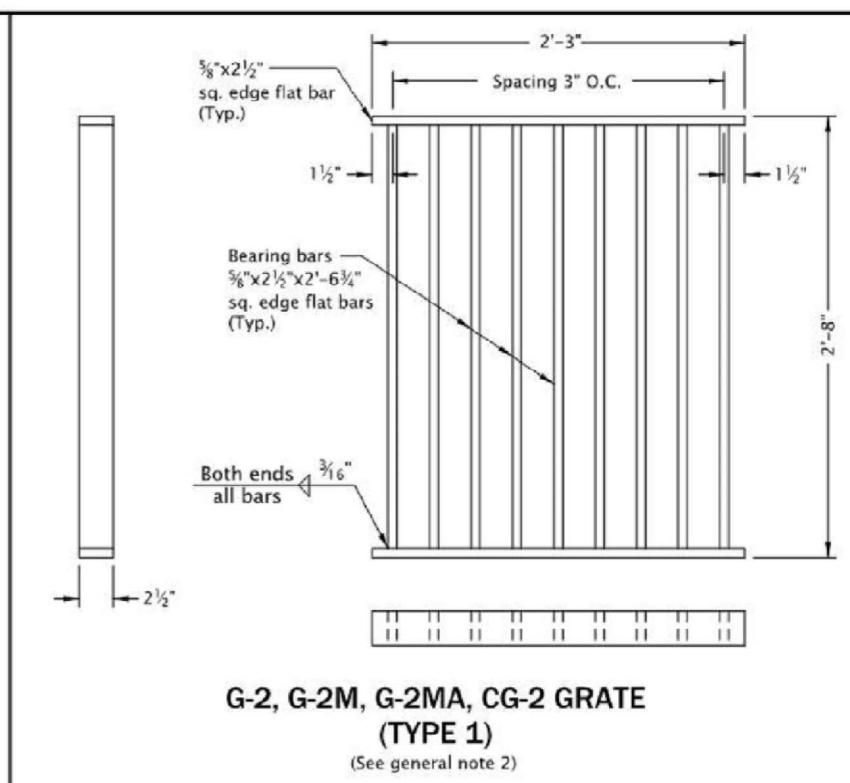
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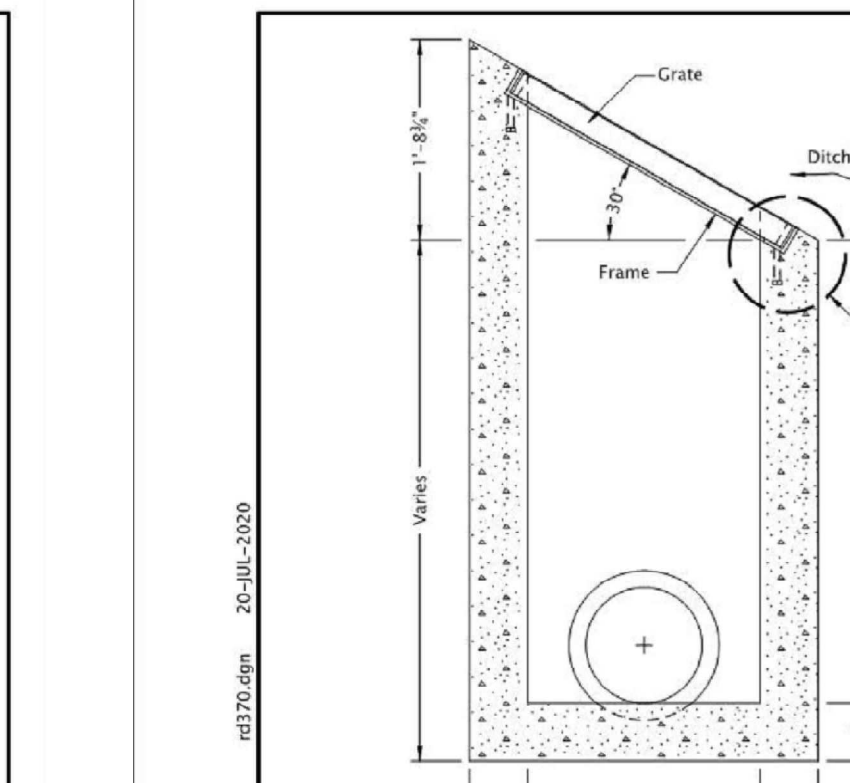
SHEET 38 OF 153
 RECORD NO. 2000067-38



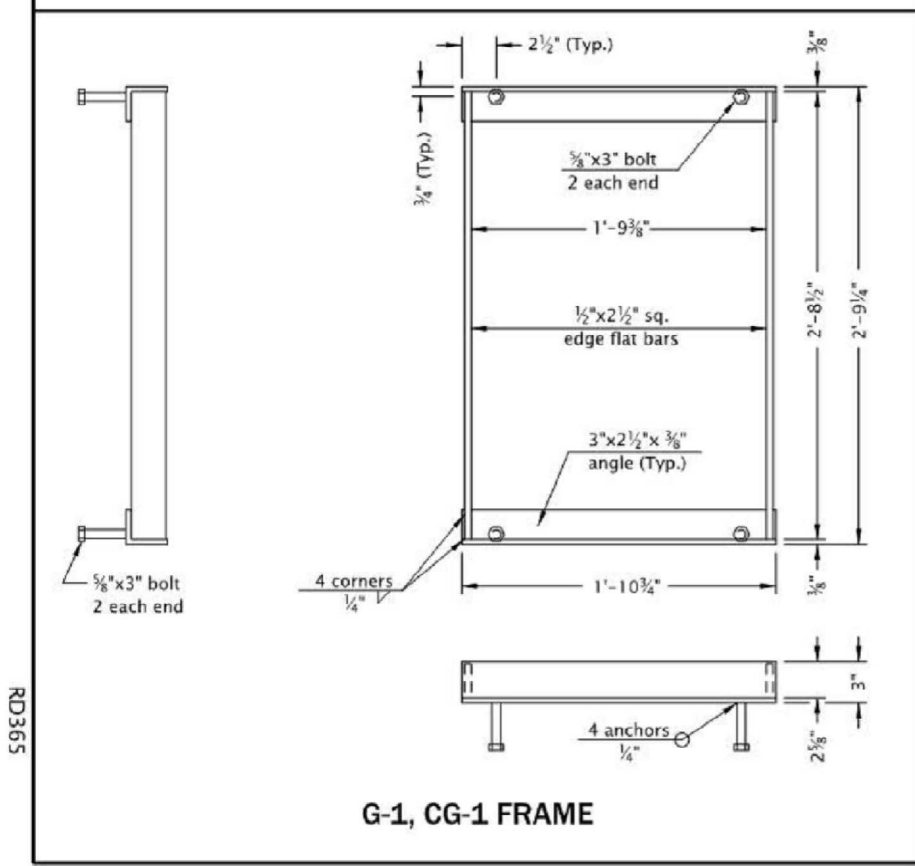
G-1, CG-1 GRATE (TYPE 2)
(Bicycle-safe)



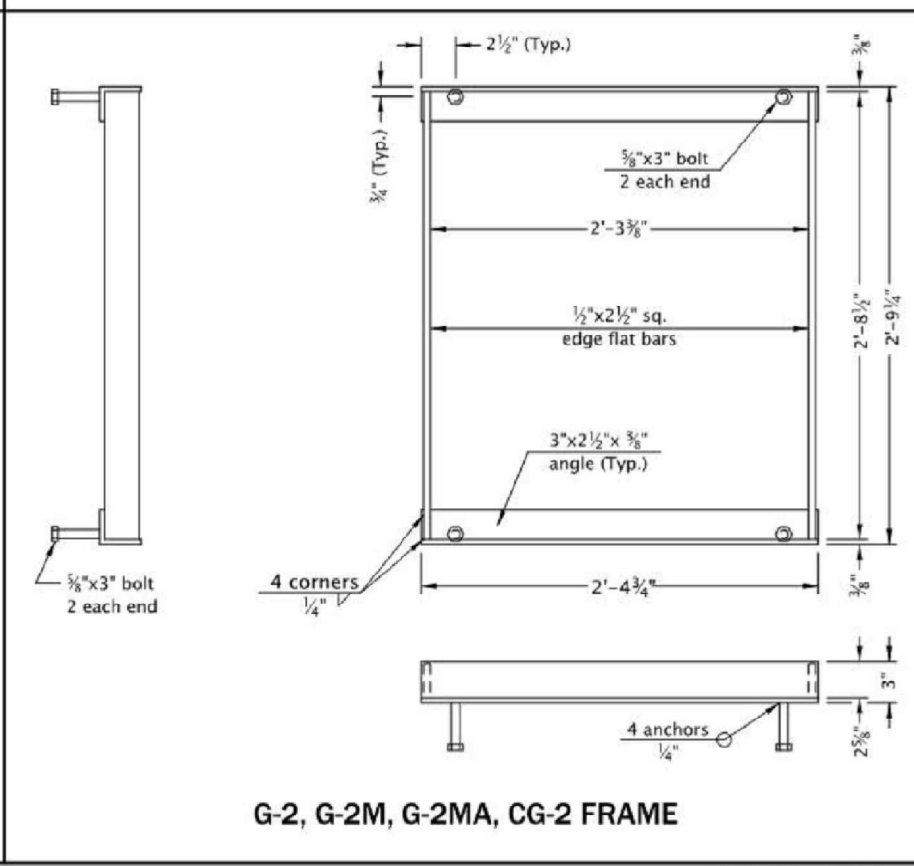
G-2, G-2M, G-2MA, CG-2 GRATE (TYPE 2)
(Bicycle-safe)
(2 grates required per inlet, as shown)



G-2, G-2M, G-2MA, CG-2 GRATE (TYPE 1)
(See general note 2)



G-1, CG-1 FRAME



G-2, G-2M, G-2MA, CG-2 FRAME

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

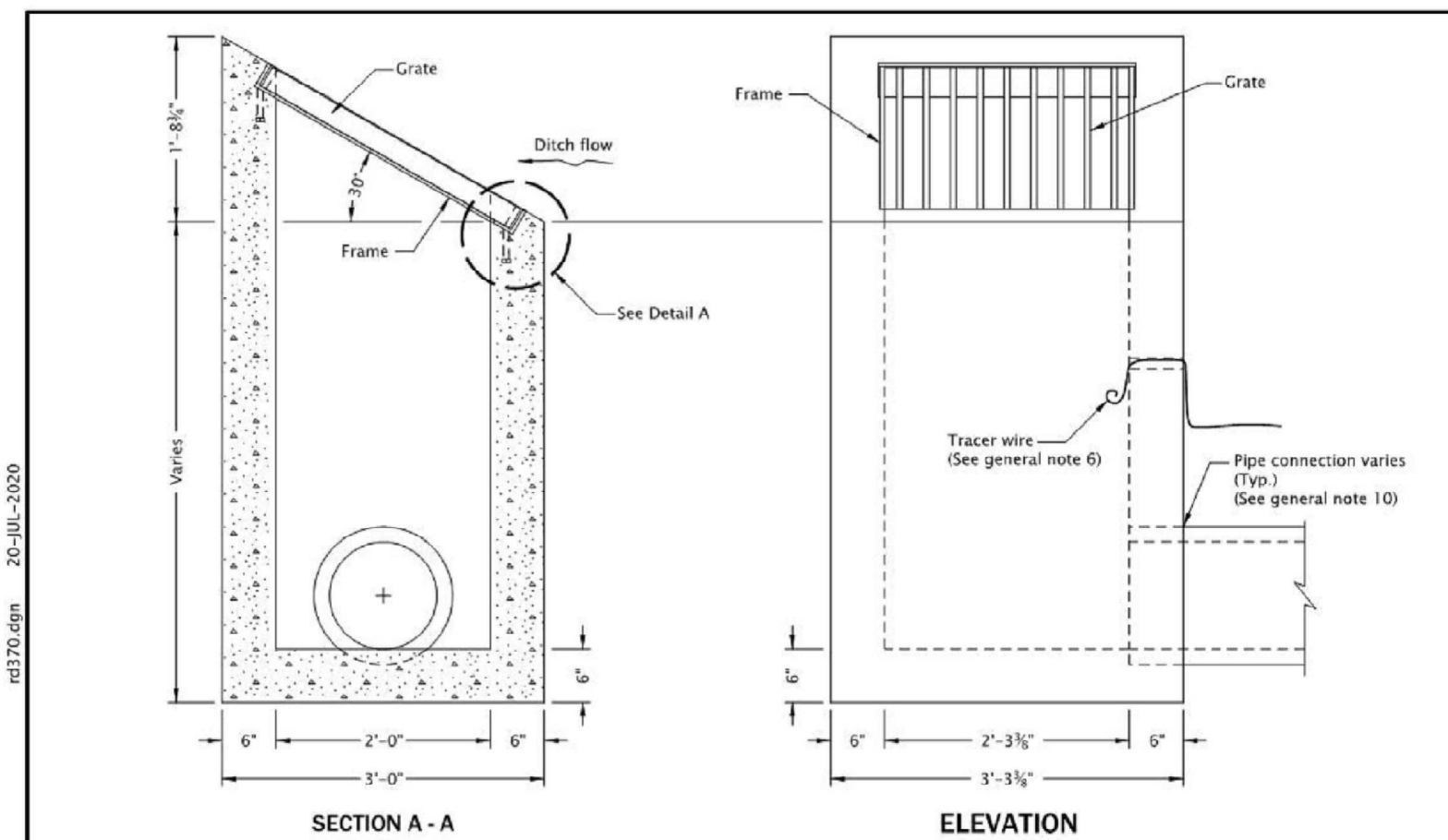
- For inlet details, see appropriate inlet standard drawing(s).
- Type 1 grate allowed only in locations not subject to bicycle or pedestrian use.
- 3/4" cross bars shall be flush with the top of grate surface and may be fillet welded, resistance welded or electroforged to bearing bars.
- Hot dip galvanize after fabrication.
- Cast iron grate and frame are acceptable alternates. See ODOT's QPL.

Calc. Book No. N/A SDR DATE 14-JUL-2014

OREGON STANDARD DRAWINGS
FRAMES & GRATES FOR CONCRETE INLETS

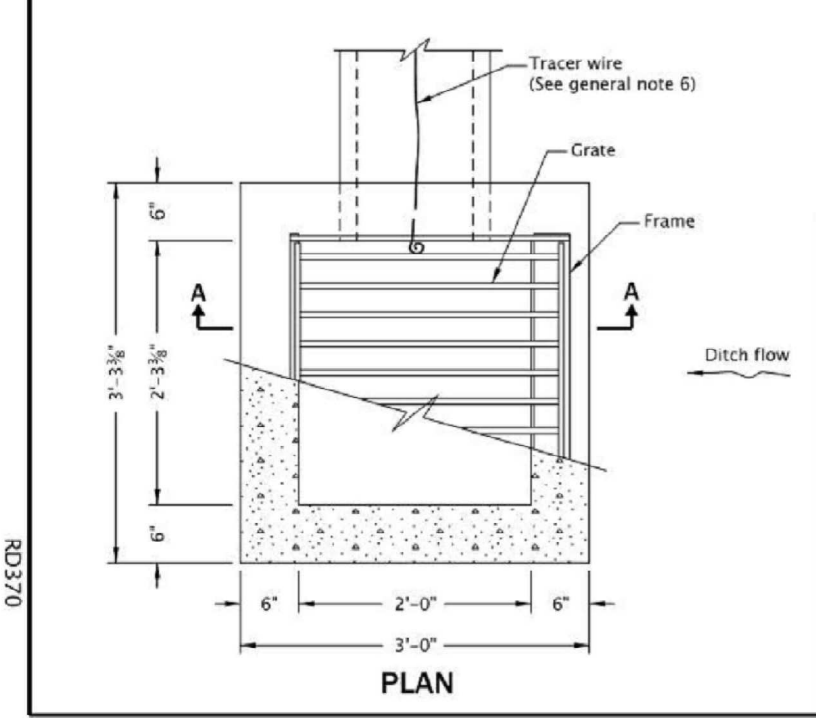
DATE 2021 REVISION DESCRIPTION

Effective Date: December 1, 2021 – May 31, 2022 RD365



SECTION A - A

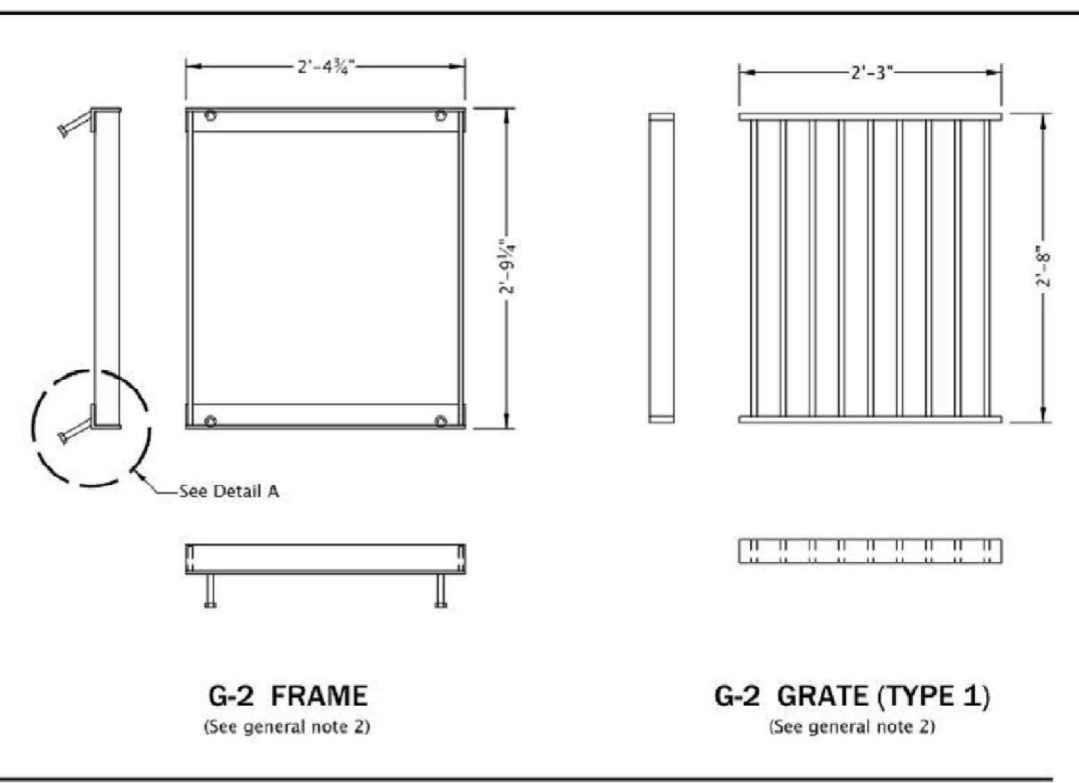
ELEVATION



PLAN

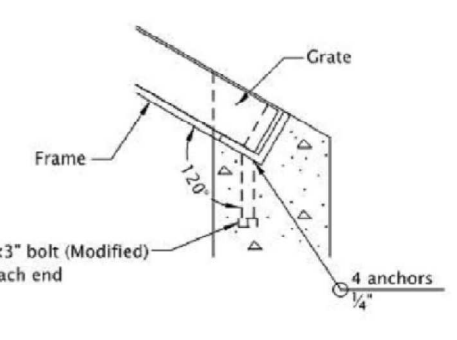
GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

- All concrete shall be commercial grade concrete.
- For frame & grate details not shown, see Std. Dwg. RD365. Modify anchor bolt attachment to frame as shown in Detail A.
- C-2 (Type 2) grates may be used if approved by the engineer.
- Catch basin, frame, and grates shall meet H20 loading.
- Provide sump only when shown on plans, and allowed by jurisdiction. For sump details, see Std. Dwg. RD364.
- See Std. Dwg. RD336 for tracer wire details, or approved alternate.
- Max. pipe diameter varies with pipe material.
- Do not use in locations where inlet can be struck by an errant vehicle, or provide shielding of inlet.
- Inlet base may be cast-in-place or precast. Where precast inlet base is used as an alternate, a 4" compacted leveling bed of sand or 1/2" crushed aggregate shall be provided.
- All precast inlets shall conform to requirements of ASTM C913.
- See Std. Dwg. RD339 for pipe to structure connections.
- Location, elevation, diameter, slope, and number of pipe(s) varies, see project plans.



G-2 FRAME
(See general note 2)

G-2 GRATE (TYPE 1)
(See general note 2)



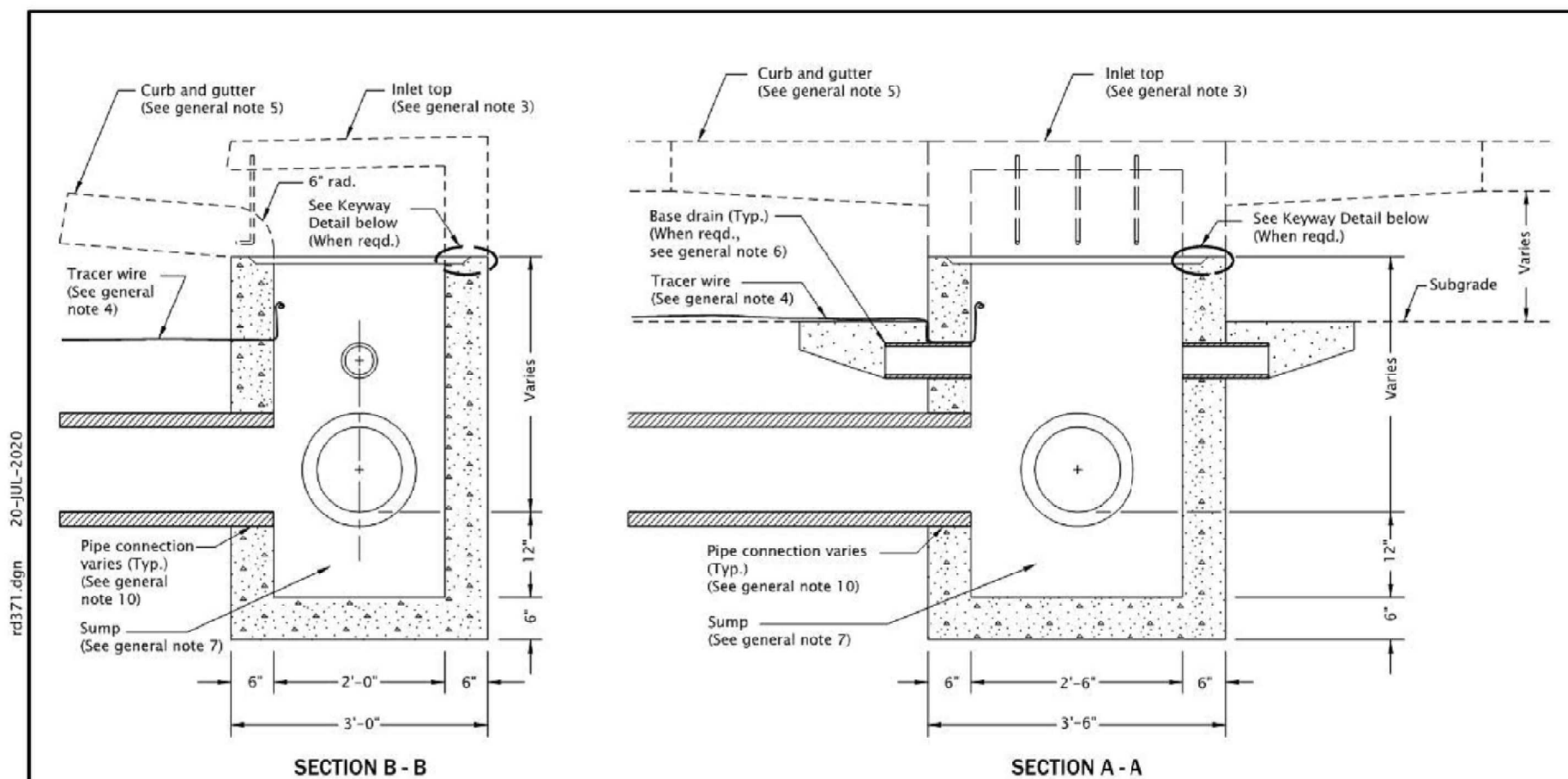
DETAIL A
(Anchor bolt modification, see general note 2)

Calc. Book No. N/A SDR DATE 21-JUL-2015

OREGON STANDARD DRAWINGS
DITCH INLET TYPE D

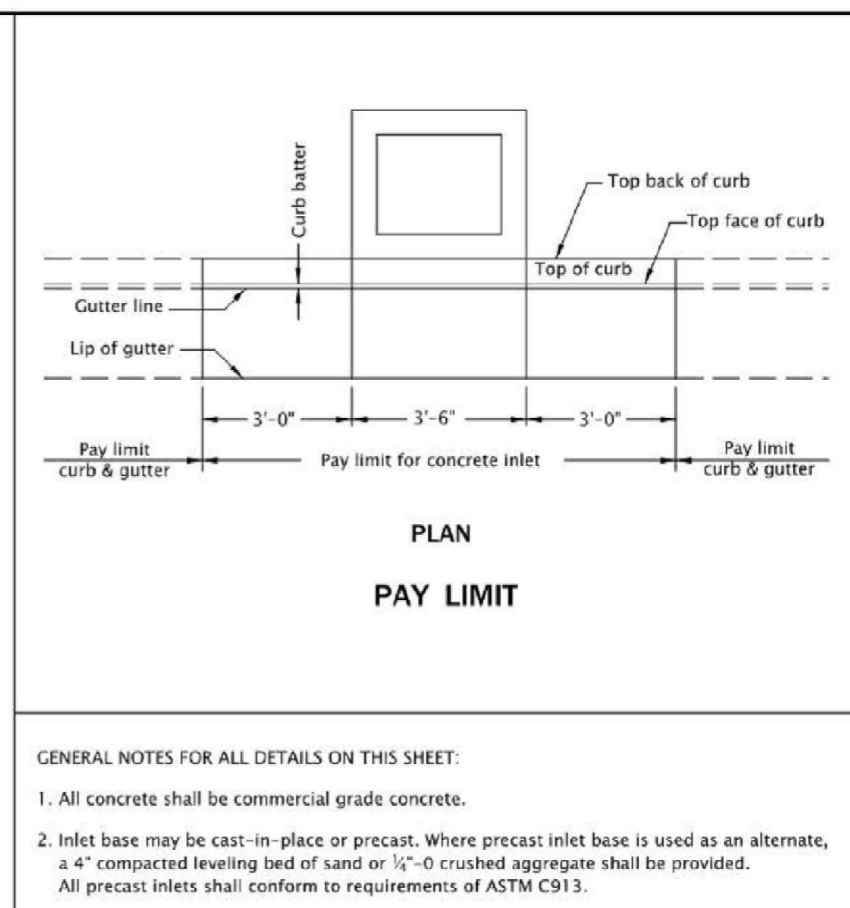
DATE 2021 REVISION DESCRIPTION

Effective Date: December 1, 2021 – May 31, 2022 RD370



SECTION B - B

SECTION A - A



PLAN
PAY LIMIT

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

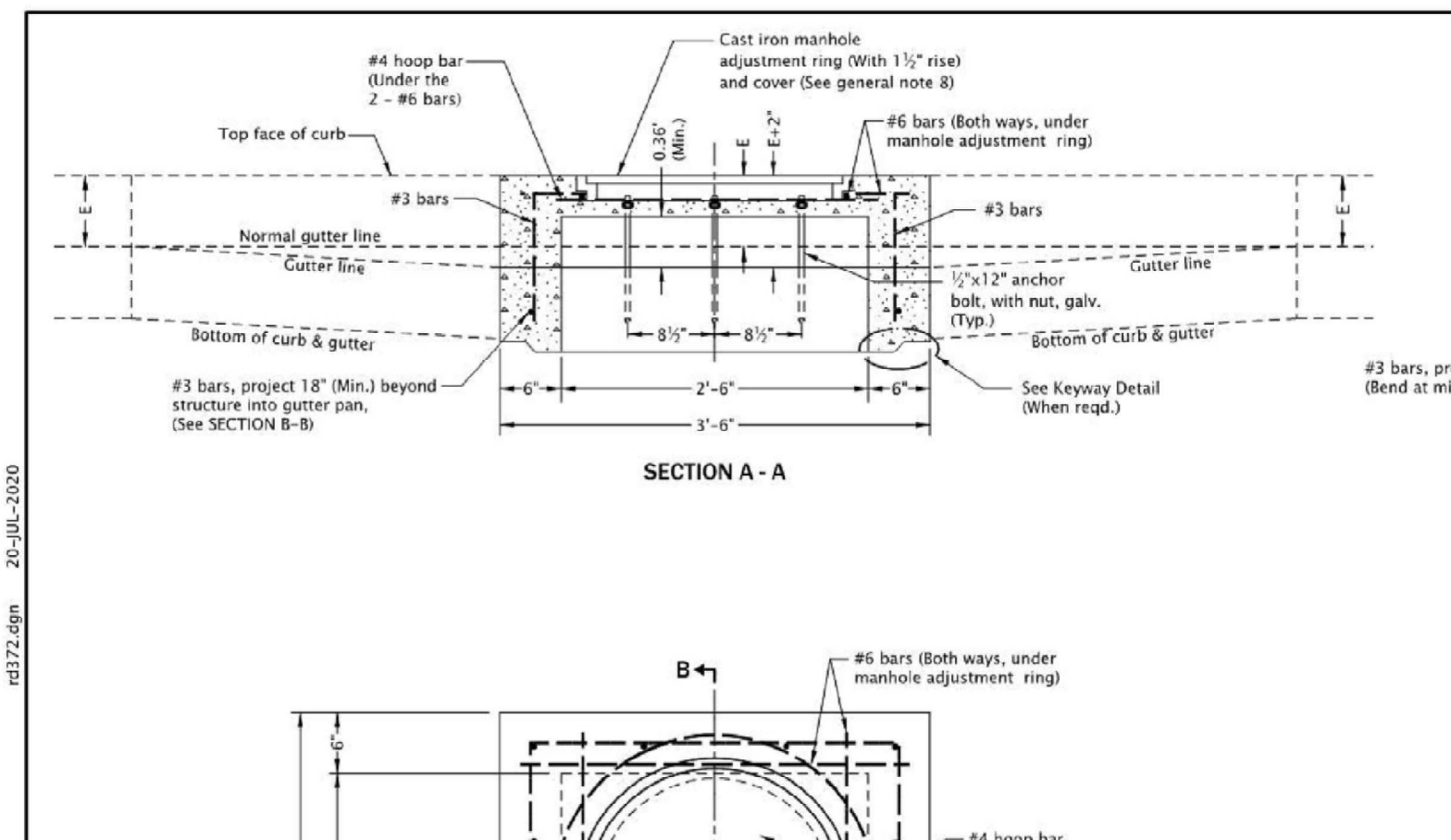
- All concrete shall be commercial grade concrete.
- Inlet base may be cast-in-place or precast. Where precast inlet base is used as an alternate, a 4" compacted leveling bed of sand or 1/2" crushed aggregate shall be provided. All precast inlets shall conform to requirements of ASTM C913.
- See Std. Dwg. RD372 & RD373 for inlet top details.
- See Std. Dwg. RD336 for tracer wire details, or approved alternate.
- See Std. Dwg. RD700 & RD701 for curb and gutter details.
- See Std. Dwg. RD364 for base drain details.
- Provide sump only where shown on plans, and allowed by jurisdiction. For sump details, see Std. Dwg. RD364.
- Location, elevation, diameter, slope, and number of pipe(s) varies, see project plans.
- Max. pipe diameter varies with pipe material.
- See Std. Dwg. RD339 for pipe to structure connections.

Calc. Book No. N/A SDR DATE 21-JUL-2015

OREGON STANDARD DRAWINGS
CONCRETE INLET BASE TYPE CG-3

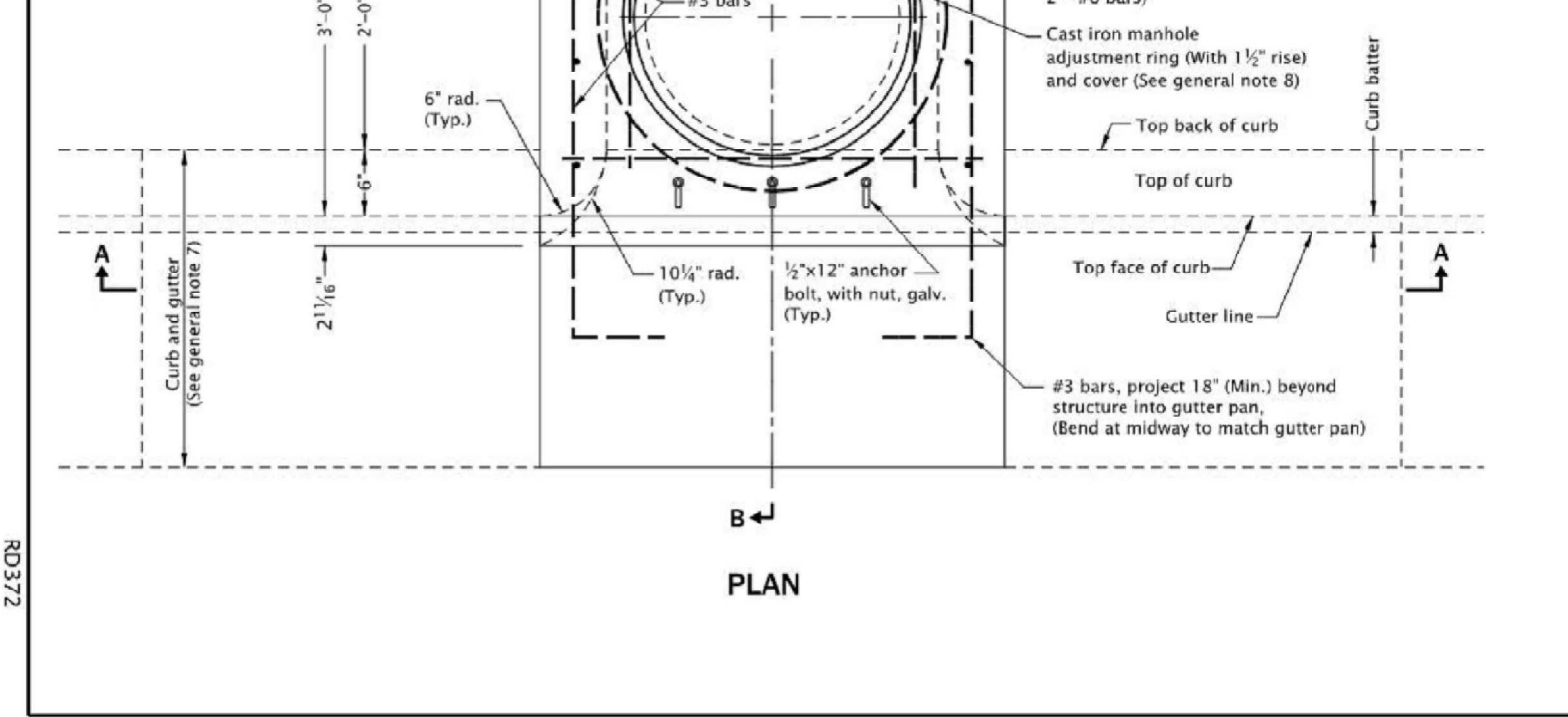
DATE 2021 REVISION DESCRIPTION

Effective Date: December 1, 2021 – May 31, 2022 RD371



SECTION A - A

SECTION B - B



PLAN

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

- All concrete shall be commercial grade concrete.
- Inlet top may be cast-in-place or precast. All precast inlets shall conform to requirements of ASTM C913.
- All reinforcement shall be 2" clear of nearest face of conc., unless otherwise shown.
- Vary anchor bolt length and reinforcing bar placement as required by curb exposure E (See note 7 below).
- See Std. Dwg. RD371 for inlet base details.
- See Std. Dwg. RD371 for inlet pay limit.
- See Std. Dwg. RD700 & RD701 for curb and gutter details.
- See Std. Dwg. RD356 for cast iron manhole adjustment ring and cover.

Calc. Book No. N/A SDR DATE 16-JAN-2019

OREGON STANDARD DRAWINGS
CONCRETE INLET TOP, OPTION 1 TYPE CG-3

DATE 2021 REVISION DESCRIPTION

Effective Date: December 1, 2021 – May 31, 2022 RD372

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Plotted: 5/26/22 at 8:32am By: rmmanner

REVISION	DATE	DESCRIPTION

APPROVED
By Erich Lais at 1:05:53 PM, 05/31/2022



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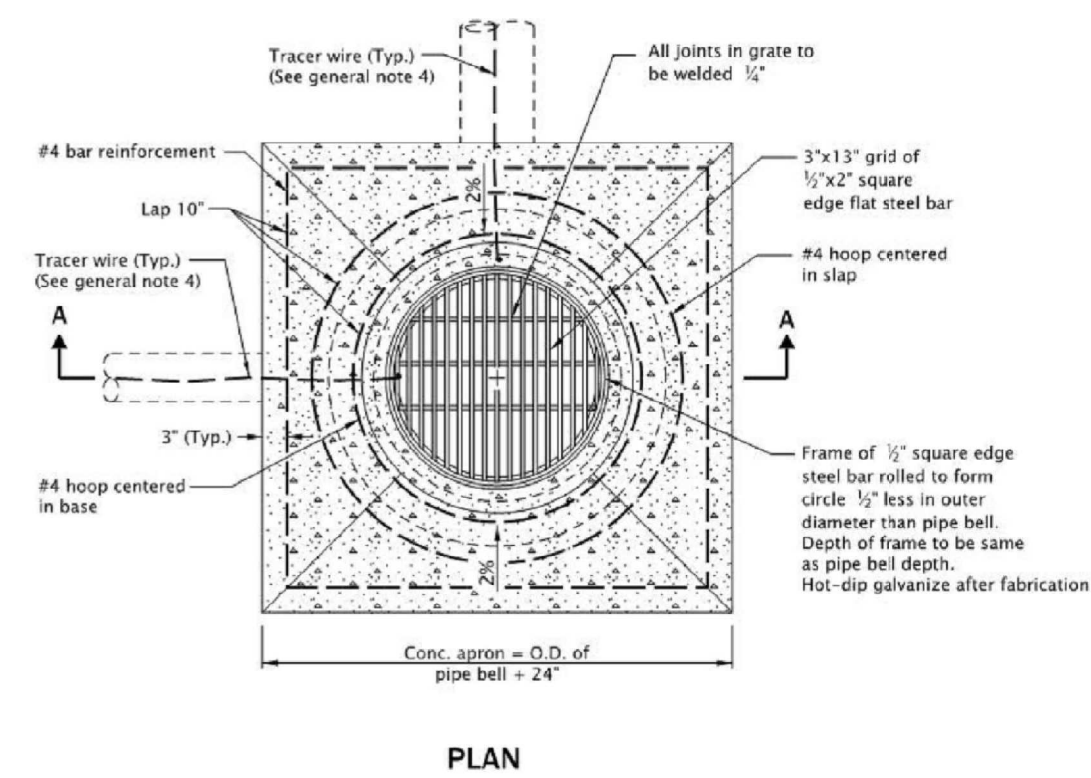
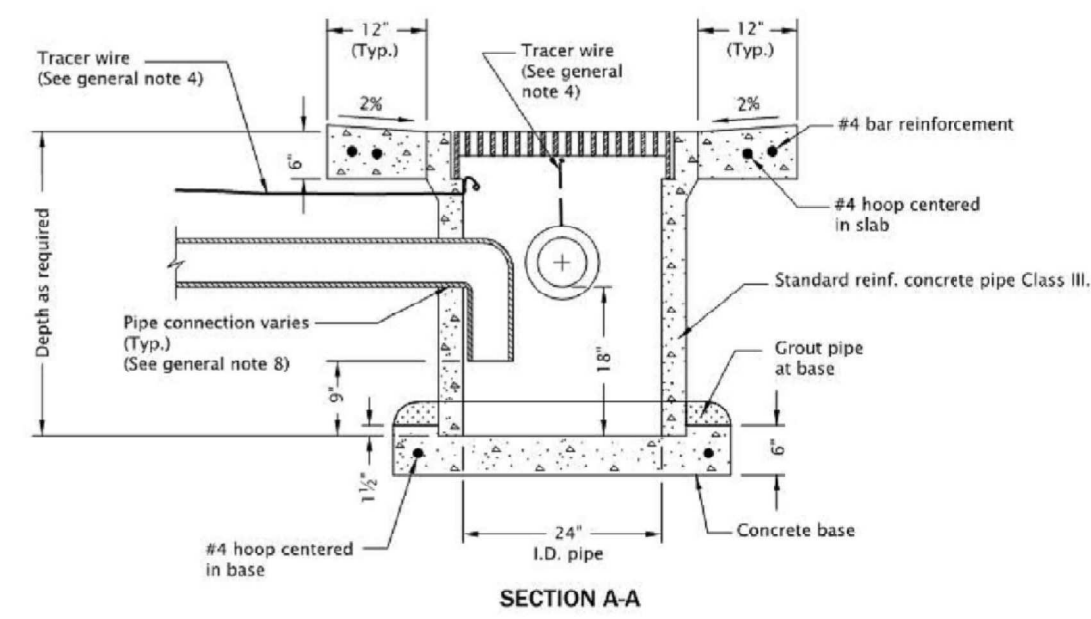
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CHECKED BY: DP/CV
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PLOTTED BY: rmmanner
DWG NAME: 2000067-C2.11-DTL.dwg
TAB NAME: C2.43

West Linn, OR 97068
NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS
STORM DETAILS

SHEET NO.
C2.43
SHEET 39 OF 153
RECORD NO. 2000067-39

RD374.dwg 20-Jul-2020

RD374



GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. Grates shall be bicycle-safe.
2. Precast concrete inlets may be used when specified or approved. All precast inlets shall conform to requirements of ASTM C913.
3. Anchor vertical leg of inlet pipe if not a glued joint.
4. See Std. Dwg. RD336 for tracer wire details.
5. All reinforcement shall be 2" clear of nearest face of conc., unless otherwise shown.
6. Max. connecting pipe diameter varies with pipe material.
7. All concrete shall be commercial grade concrete.
8. See Std. Dwg. RD339 for pipe to structure connections.
9. Location, elevation, diameter, slope, and number of pipe(s) varies, see project plans.

CALC. BOOK NO. -- N/A --	SER. DATE -- 14-JUL-2014 --
NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications.	
OREGON STANDARD DRAWINGS	
AREA DRAINAGE BASIN OR FIELD INLET	
2021	
DATE	REVISION DESCRIPTION

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

Effective Date: December 1, 2021 – May 31, 2022

RD374

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REVISION	DATE	DESCRIPTION

APPROVED
 By Erich Lais at 1:06:04 PM, 05/31/2022

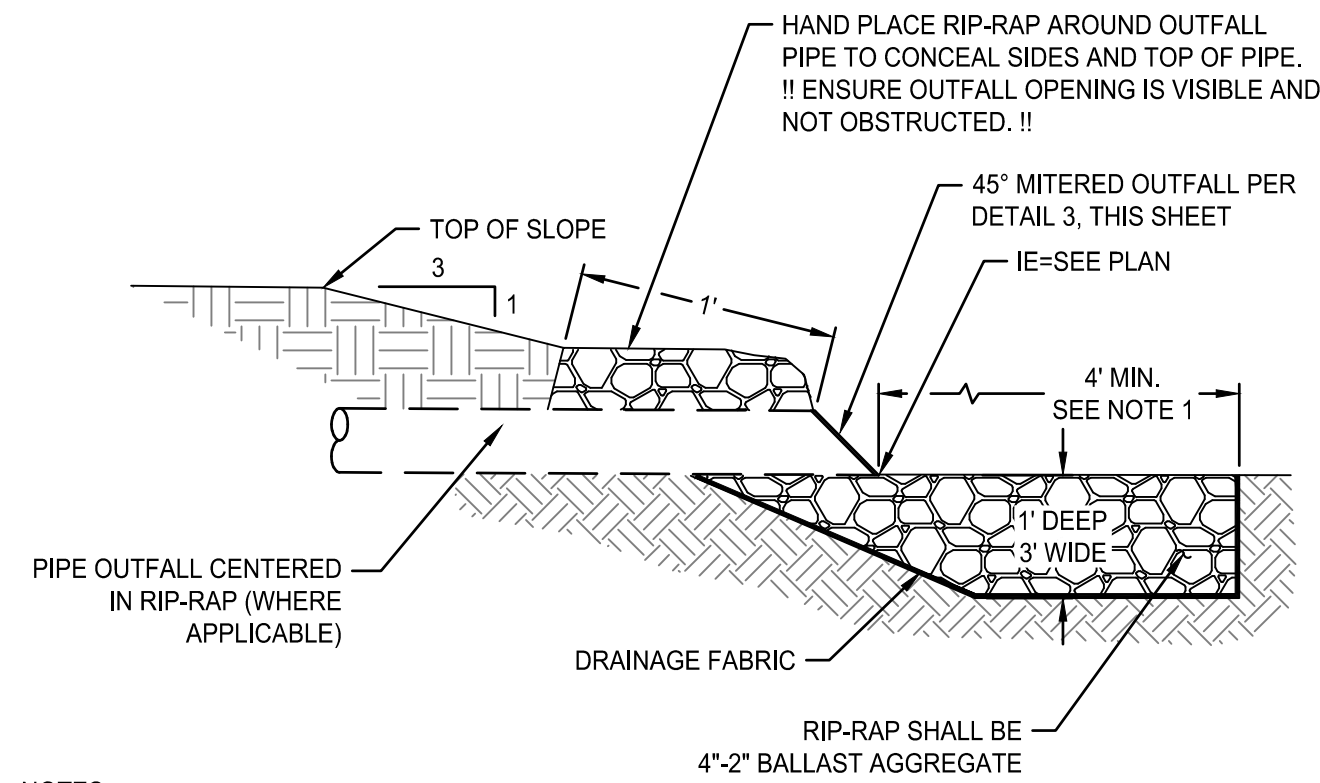


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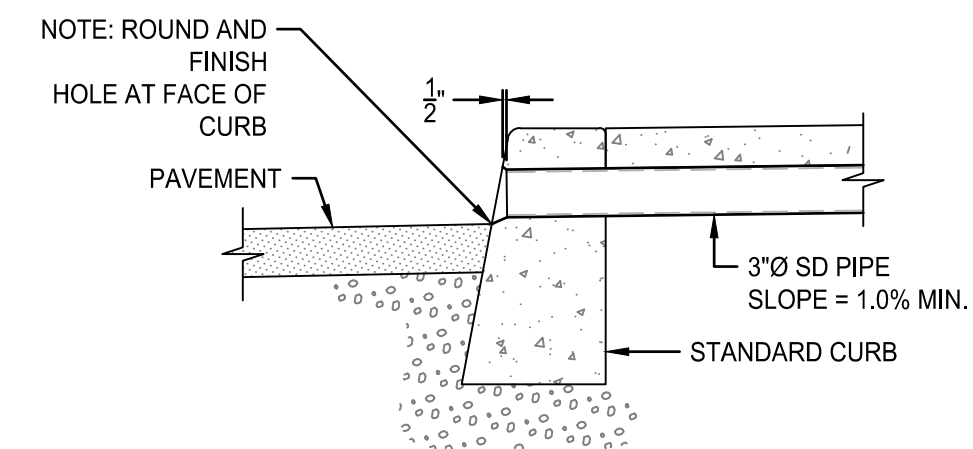
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West Linn, OR 97068	SHEET NO.
NEW ATHEY CREEK MIDDLE SCHOOL PUBLIC IMPROVEMENT PLANS	C2.44
STORM DETAILS	SHEET 40 OF 153
	RECORD NO. 2000067-40

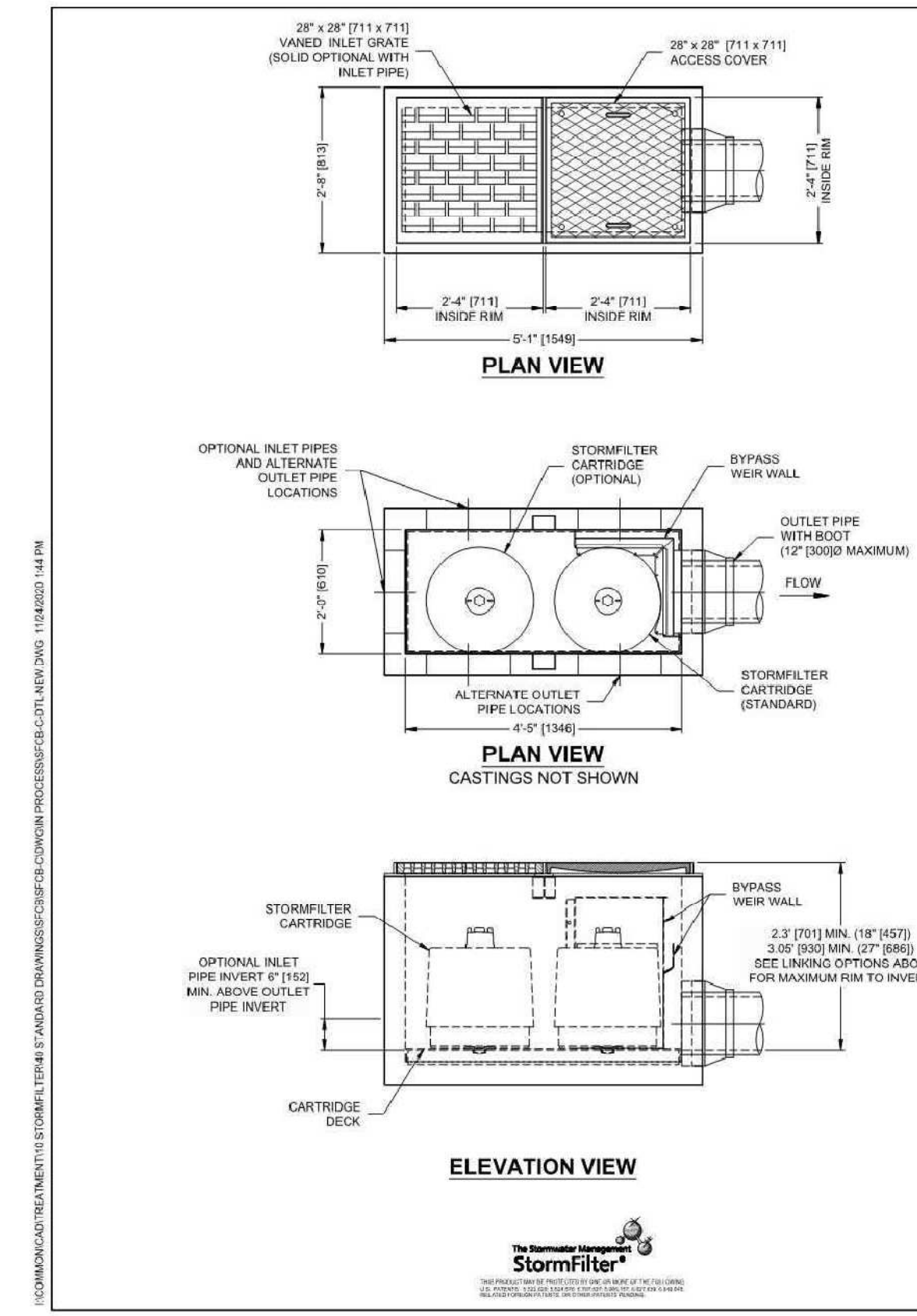


- NOTES:
1. EXTEND LENGTH OF RIP RAP TO BOTTOM OF RAVINE AS INDICATED PER PLAN AT DOLLAR STREET WATER QUALITY BASIN OFFFALL.

2 OFFFALL RIP-RAP PROTECTION
SCALE: NTS



4 OFFFALL AT CURB FACE
SCALE: NTS

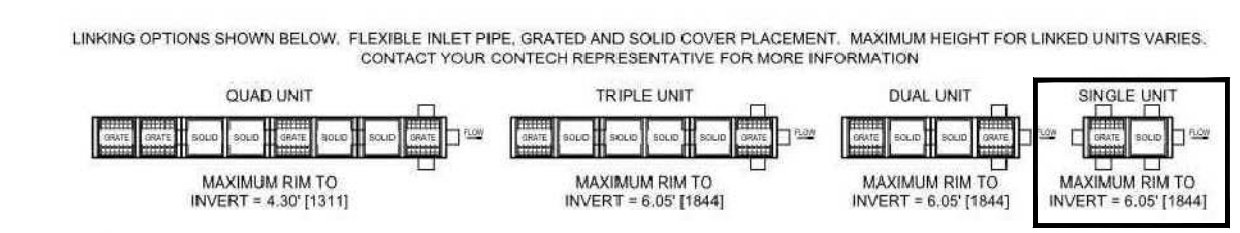


STORMFILTER DESIGN NOTES

- CONCRETE CATCHBASIN STORMFILTER TREATMENT CAPACITY VARIES BY CARTRIDGE COUNT AND LOCAL APPROVALS
- PEAK CONVEYANCE CAPACITY IS 1.3 CFS
- CONCRETE CATCHBASIN STORMFILTER IS AVAILABLE WITH UP TO TWO (2) 18\"/>

CARTRIDGE SIZE (in. [mm])	27 (686)	18 (457)
ACTIVATION HEAD (ft. [mm])	3.95 (993)	2.3 (571)
SPECIFIC FLOW RATE (gpm/[ft ²])	2.11 (365)	1.67 (1,137)
CARTRIDGE FLOW RATE (gpm [L/s])	22.5 (1.4)	18.79 (1.19)
	11.25 (0.71)	15 (0.95)
	12.50 (0.79)	7.5 (0.47)

* 1.67 gpm/[ft²] (1.13 L/s/[m²]) SPECIFIC FLOW RATE IS APPROVED WITH PHOSPHOSORB® (PSORB) MEDIA ONLY.



- LINKING OPTIONS SHOWN BELOW. FLEXIBLE INLET PIPE, GRATED AND SOLID COVER PLACEMENT. MAXIMUM HEIGHT FOR LINKED UNITS VARIES. CONTACT YOUR CONTECH REPRESENTATIVE FOR MORE INFORMATION.
- GENERAL NOTES:
1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
 2. DIMENSIONS MARKED WITH (1) ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
 3. ALTERNATE DIMENSIONS ARE MILLIMETERS (mm) UNLESS NOTED OTHERWISE.
 4. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.contech-es.com
 5. STORMFILTER WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
 6. FILTER CARTRIDGES SHALL BE MEDIA-FILLED, PASSIVE, SIPHON-ACTUATED, RADIAL FLOW, AND SELF-CLEANING. RADIAL MEDIA DEPTH SHALL BE 7 INCHES (178). FILTER MEDIA CONTACT TIME SHALL BE AT LEAST 30 SECONDS.
 7. SPECIFIC FLOW RATE IS THE MEASURE OF THE FLOW (GPM [L/S]) DIVIDED BY THE MEDIA SURFACE CONTACT AREA (SF [m²]).
 8. STRUCTURE SHALL MEET ASHTO M20 LOAD RATING, ASSUMING EARTH COVER OF 5' (1525) AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET ASHTO M206 AND BE CAST WITH THE CONTECH LOGO.
- INSTALLATION NOTES:
1. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
 2. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE STORMFILTER STRUCTURE.
 3. CONTRACTOR TO PROVIDE AND INSTALL PIPES. MATCH PIPE INVERTS SHOWN ON PROJECT SPECIFIC DRAWINGS.
 4. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT CARTRIDGES FROM CONSTRUCTION-RELATED EROSION RUNOFF.

SITE SPECIFIC DATA REQUIREMENTS

STRUCTURE ID	SFCB-#
WATER QUALITY FLOW RATE (cfs [L/s])	
PEAK FLOW RATE (cfs [L/s])	
RETURN PERIOD OF PEAK FLOW (yrs)	
CARTRIDGE SIZE (27, 18)	18
CARTRIDGE FLOW RATE	
MEDIA TYPE (PERLITE, ZPG, PSORB)	PSORB
NUMBER OF CARTRIDGES REQUIRED	1 EA
RIM ELEVATION	
PIPE DATA	
INLET PIPE 1	
INLET PIPE 2	
OUTLET PIPE	

NOTES/SPECIAL REQUIREMENTS:
SEE SHEET REFERENCES FOR SFCB INFO

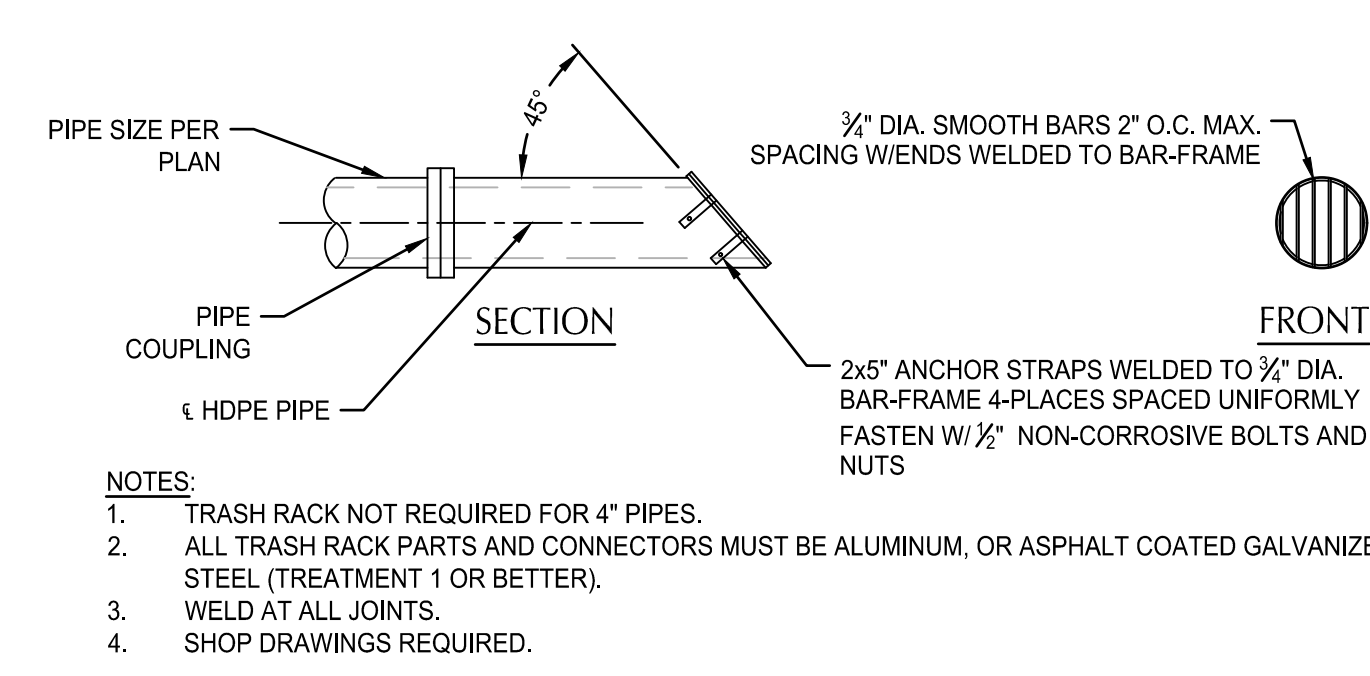
CONTECH ENGINEERED SOLUTIONS LLC
11115 NE Green Valley Drive, Portland, OR 97220
503-444-4667 503-240-3383 800-561-9721 FAX

CONCRETE CATCHBASIN STORMFILTER STANDARD DETAIL

SEE SHEET FOR ADDITIONAL INFORMATION

SFCB-WFD-N5	C4.25
SFCB-WFD-S5	C4.25

1 CONTECH STORMFILTER CONCRETE CATCH BASIN
SCALE: NTS



3 MITERED OFFFALL W/ TRASH RACK (45 DEGREES)
SCALE: NTS

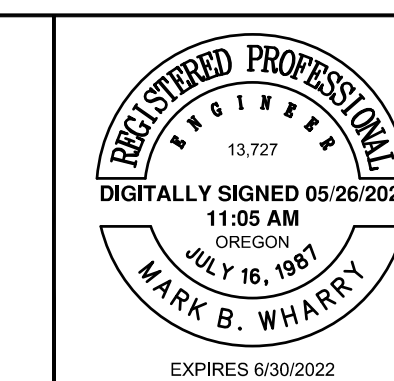
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REVISION	DATE	DESCRIPTION

APPROVED
By Erich Lais at 1:06:14 PM, 05/31/2022



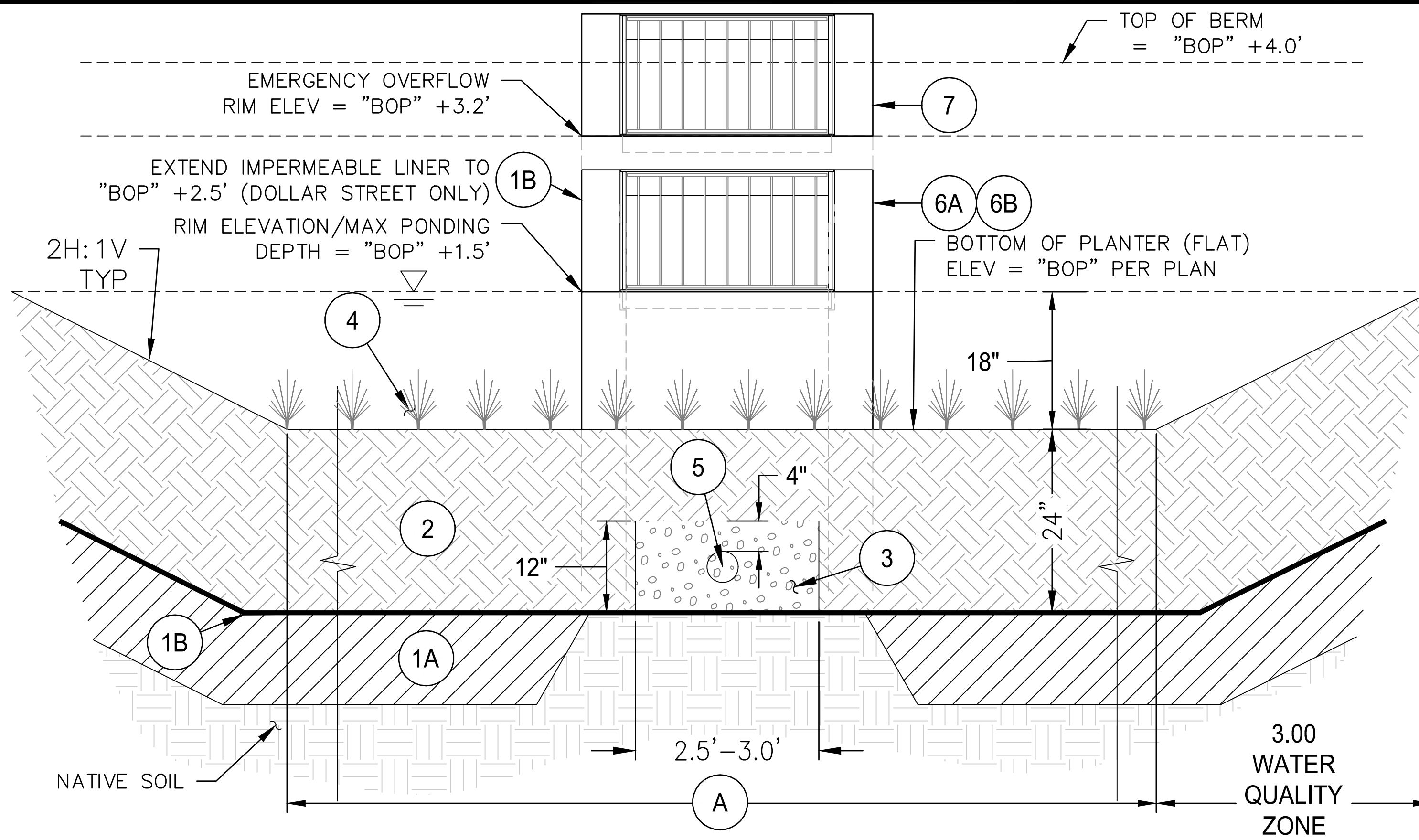
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DRAWN BY:	SB/RC
CHECKED BY:	DP/CV
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West Linn, OR 97068
NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS
STORM DETAILS

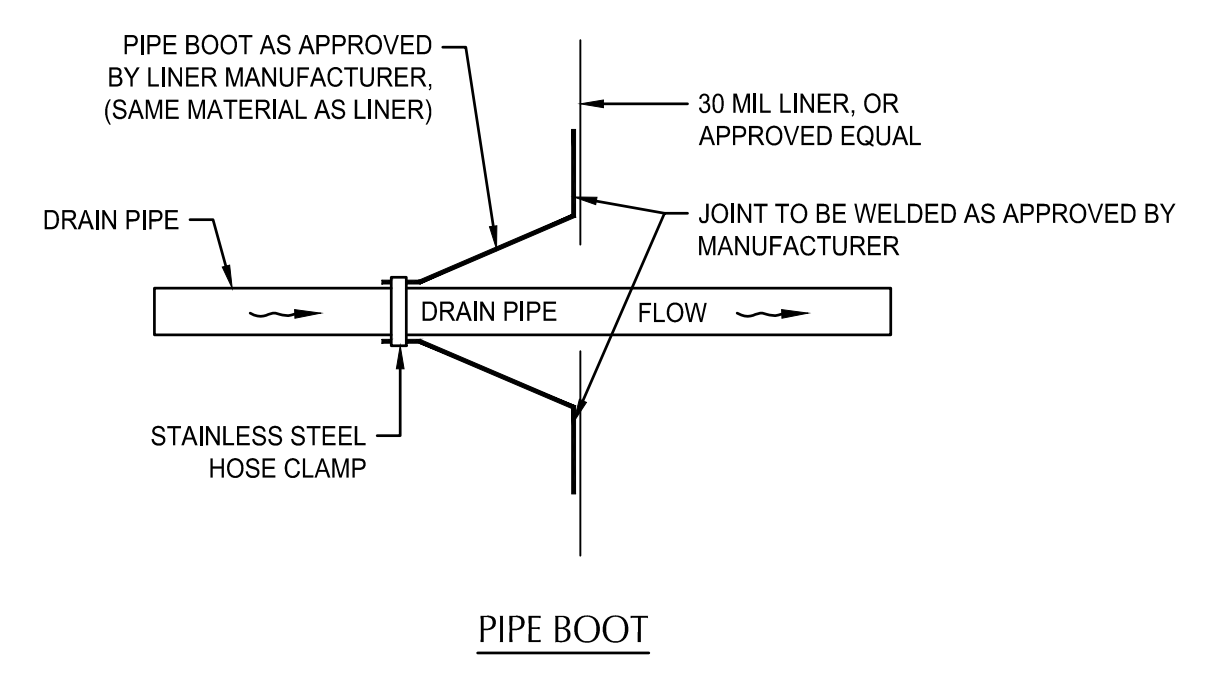
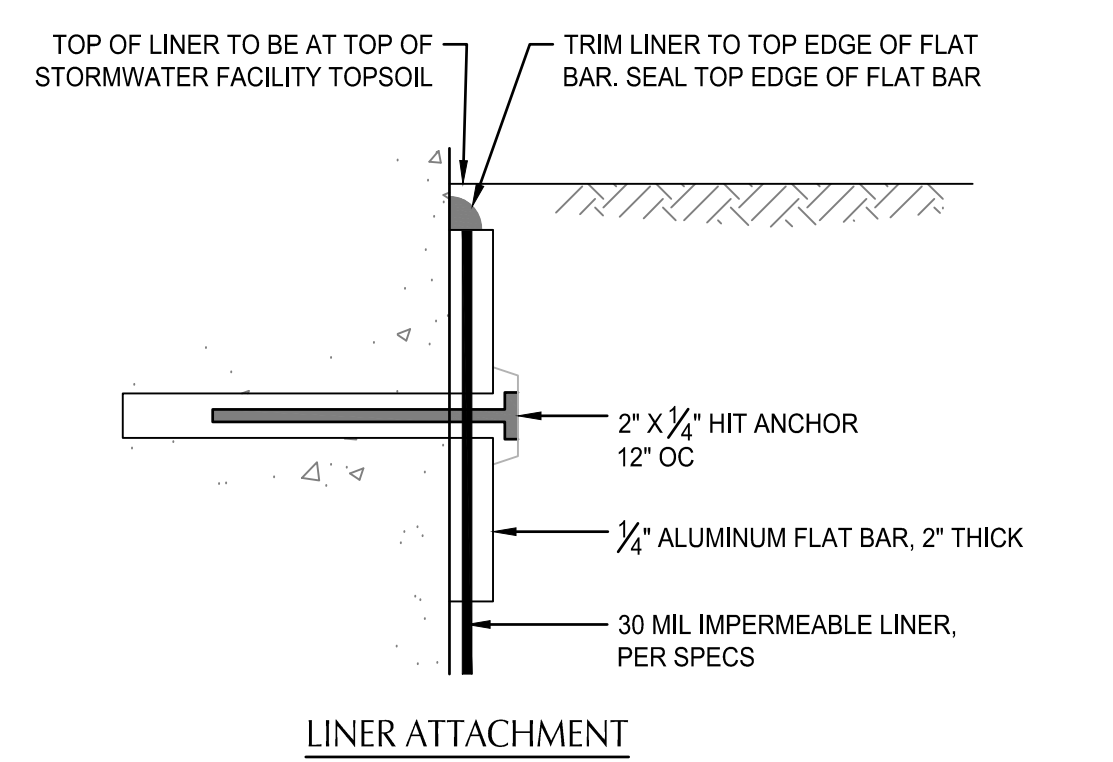
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SHEET 41 OF 153
RECORD NO.
2000067-41



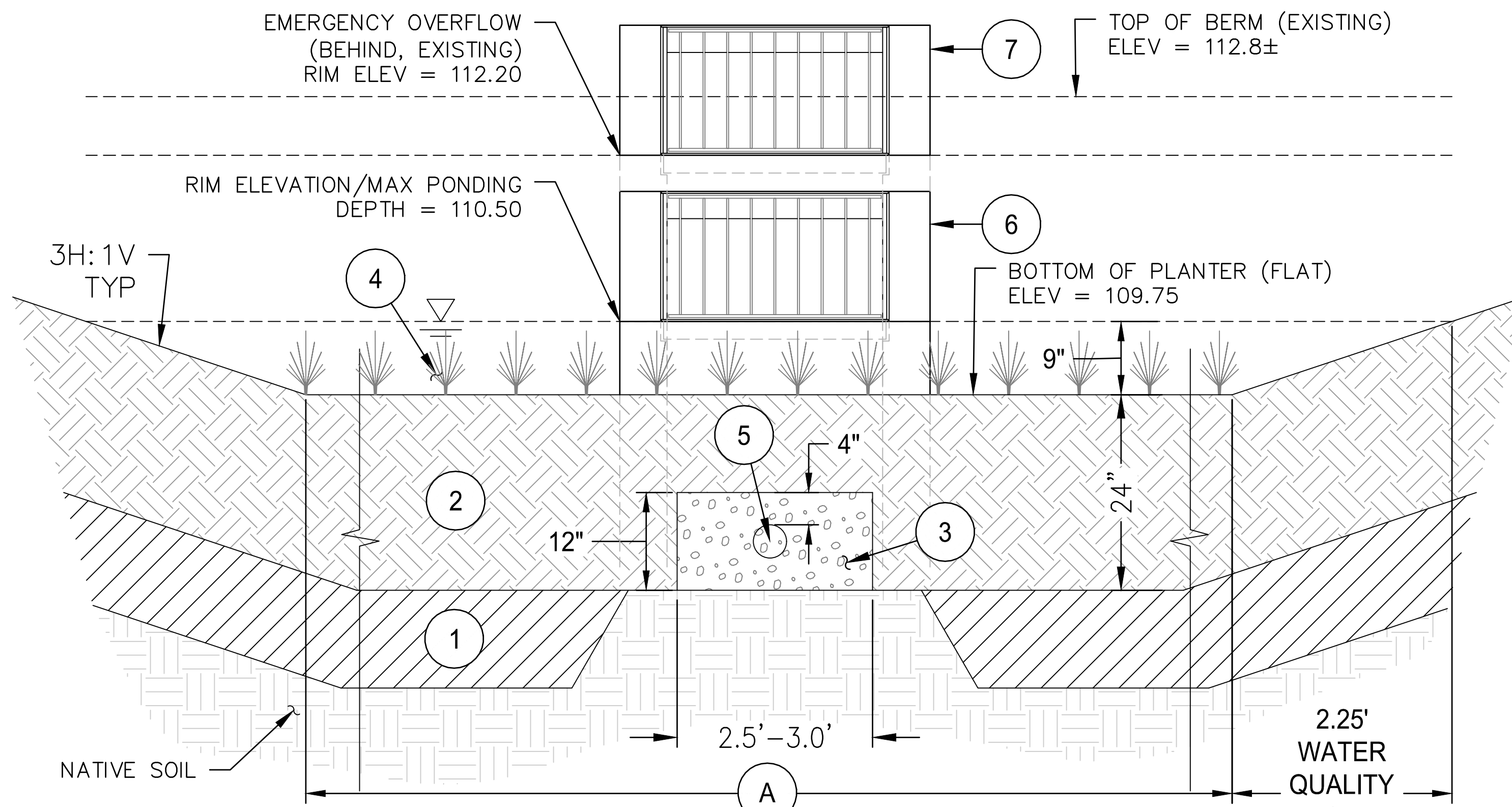
1 WILLAMETTE FALLS / DOLLAR STREET STORMWATER BASIN SECTION
SCALE: NTS

X KEY NOTES

- A AMOEBA SHAPE PER PLAN
- 1A [WILLAMETTE FALLS FACILITY ONLY] FRACTURE AND LOOSEN NATIVE SOIL (DO NOT TILL) TO A DEPTH OF 12" BELOW STORMWATER FACILITY BLENDED SOIL EXCAVATION BEFORE INSTALLING BLENDED/AMENDED SOIL.
- 1B [DOLLAR STREET FACILITY ONLY] INSTALL IMPERMEABLE LINER PER 3/C2.46. EXTEND LINER TO MIN. 12" ABOVE MAX PONDING DEPTH AS SHOWN.
- 2 PROVIDE 24" MIN. STORMWATER FACILITY BLENDED SOIL SECTION.
- 3 2.5'-3.0' WIDTH, 12" DEPTH ROCK STORAGE FOR LENGTH OF PVC COLLECTION PIPE PER DETAIL 1/C2.47.
- 4 PLANTING SEE LANDSCAPE PLANS.
- 5 4" PVC PERF. PIPE, WITH HOLES FACING DOWN. SLOPE = 1.0% MIN.
- 6A [WILLAMETTE FALLS FACILITY ONLY] NEW DITCH INLET PER STD DWG SW-292 THIS SHEET
- 6B [DOLLAR STREET FACILITY ONLY] NEW DITCH INLET PER STD DWG RD370
- 7 NEW DITCH INLET PER STD DWG RD370



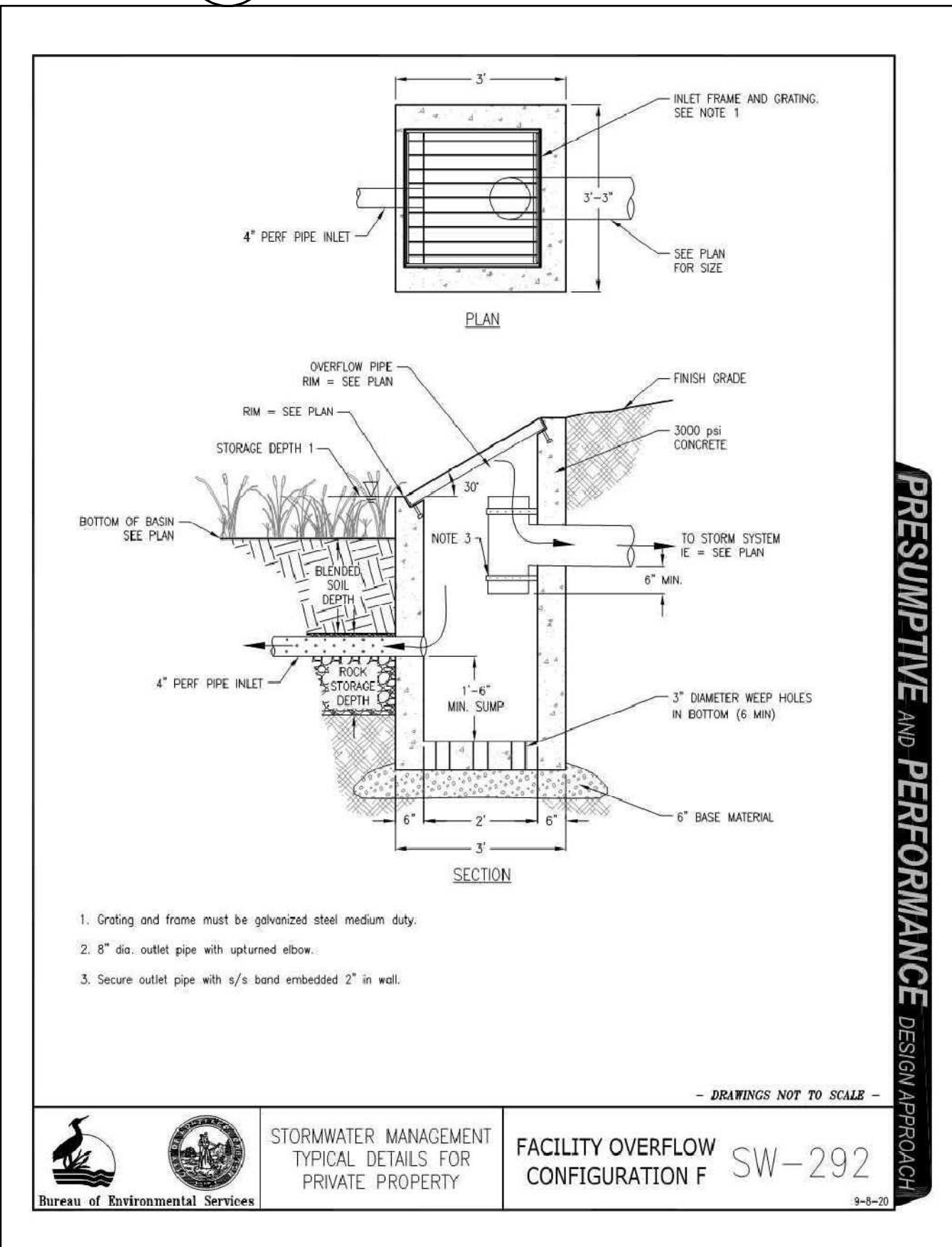
3 IMPERMEABLE LINER
SCALE: NTS



2 BRANDON PLACE/BRIDGE STORMWATER BASIN SECTION
SCALE: NTS

X KEY NOTES

- A ENLARGE EXISTING STORMWATER FACILITY, AMOEBA SHAPE PER PLAN
- 1 FRACTURE AND LOOSEN NATIVE SOIL (DO NOT TILL) TO A DEPTH OF 12" BELOW STORMWATER FACILITY BLENDED SOIL EXCAVATION BEFORE INSTALLING BLENDED/AMENDED SOIL.
- 2 STRIP, STOCKPILE AND AMEND EXISTING TOPSOIL. PROVIDE 24" MIN. STORMWATER FACILITY BLENDED SOIL SECTION.
- 3 2.5'-3.0' WIDTH, 12" DEPTH ROCK STORAGE FOR LENGTH OF PVC COLLECTION PIPE PER DETAIL 1/C2.47.
- 4 PLANTING SEE LANDSCAPE PLANS.
- 5 4" PVC PERF. PIPE, ORIENT WITH HOLES FACING DOWN. SLOPE = 1.0% MIN.
- 6 EXISTING DITCH INLET TO BE MODIFIED TO MATCH CITY OF PORTLAND STD DTL SW-292, FACILITY OVERFLOW CONFIGURATION F, THIS SHEET.
- 7 EXISTING DITCH INLET TO REMAIN IN EXISTING BERM.



STORMWATER MANAGEMENT TYPICAL DETAILS FOR PRIVATE PROPERTY
FACILITY OVERFLOW CONFIGURATION F SW-292
Bureau of Environmental Services
West Linn, OR 97068
9-8-20

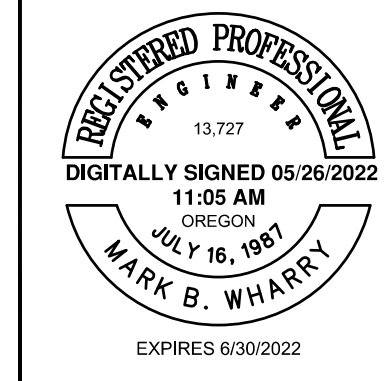
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REVISION	DATE	DESCRIPTION

APPROVED
By Erich Lais at 1:06:31 PM, 05/31/2022



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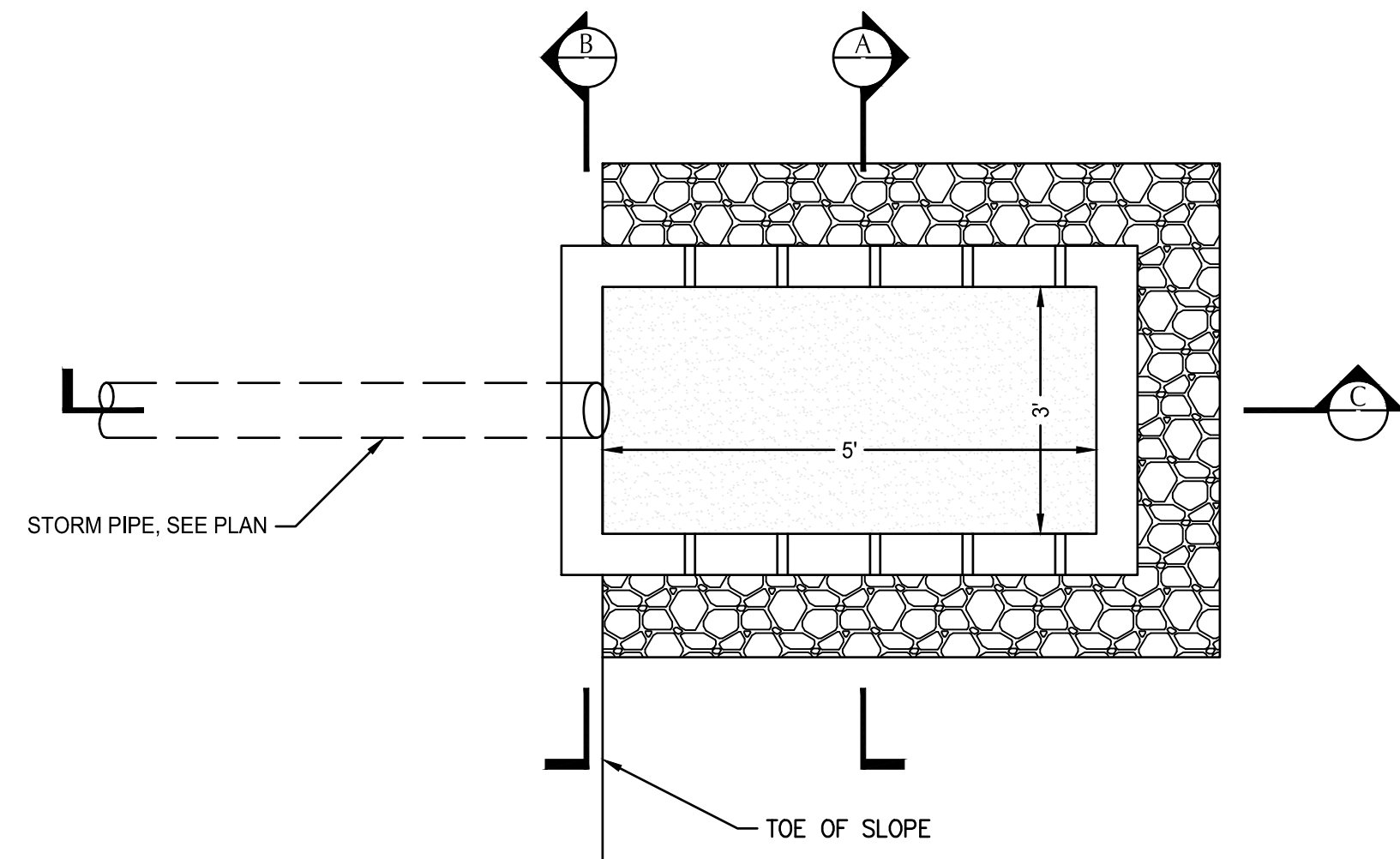


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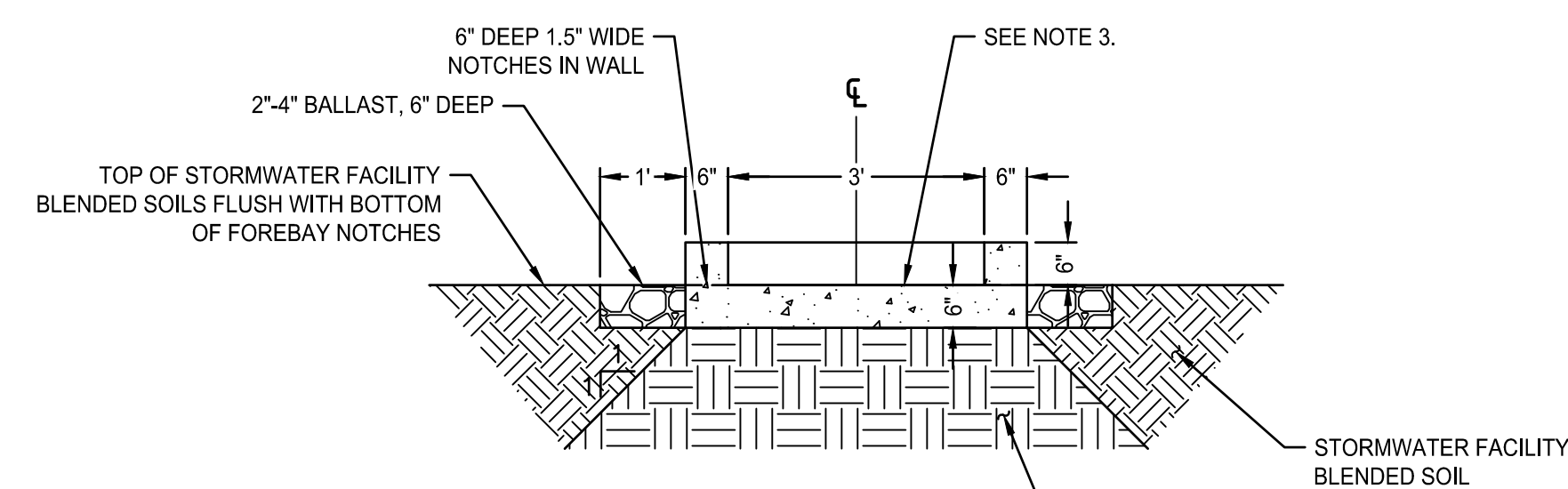
NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS

STORM DETAILS

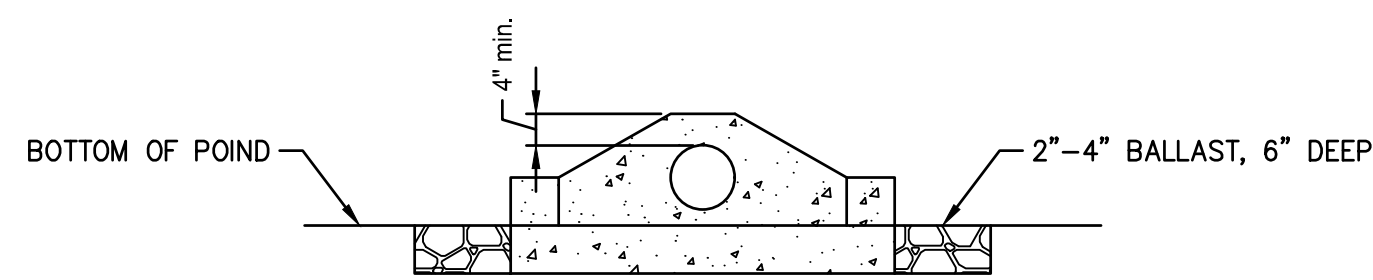
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SHEET 42 OF 153
RECORD NO.
2000067-42



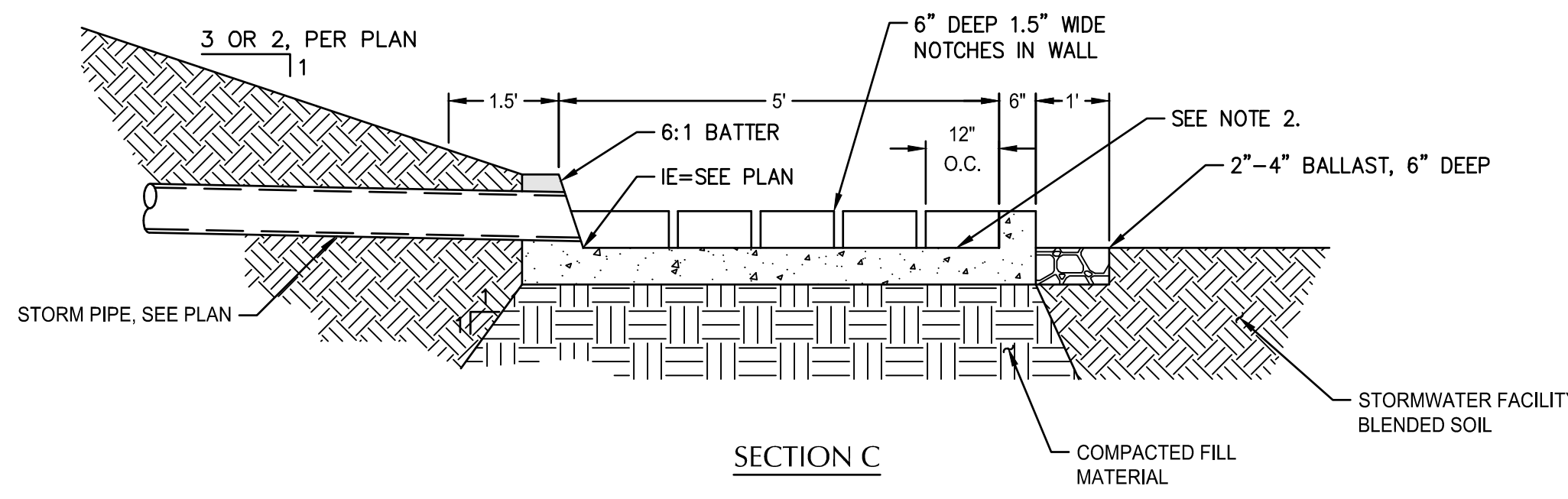
PLAN



SECTION A



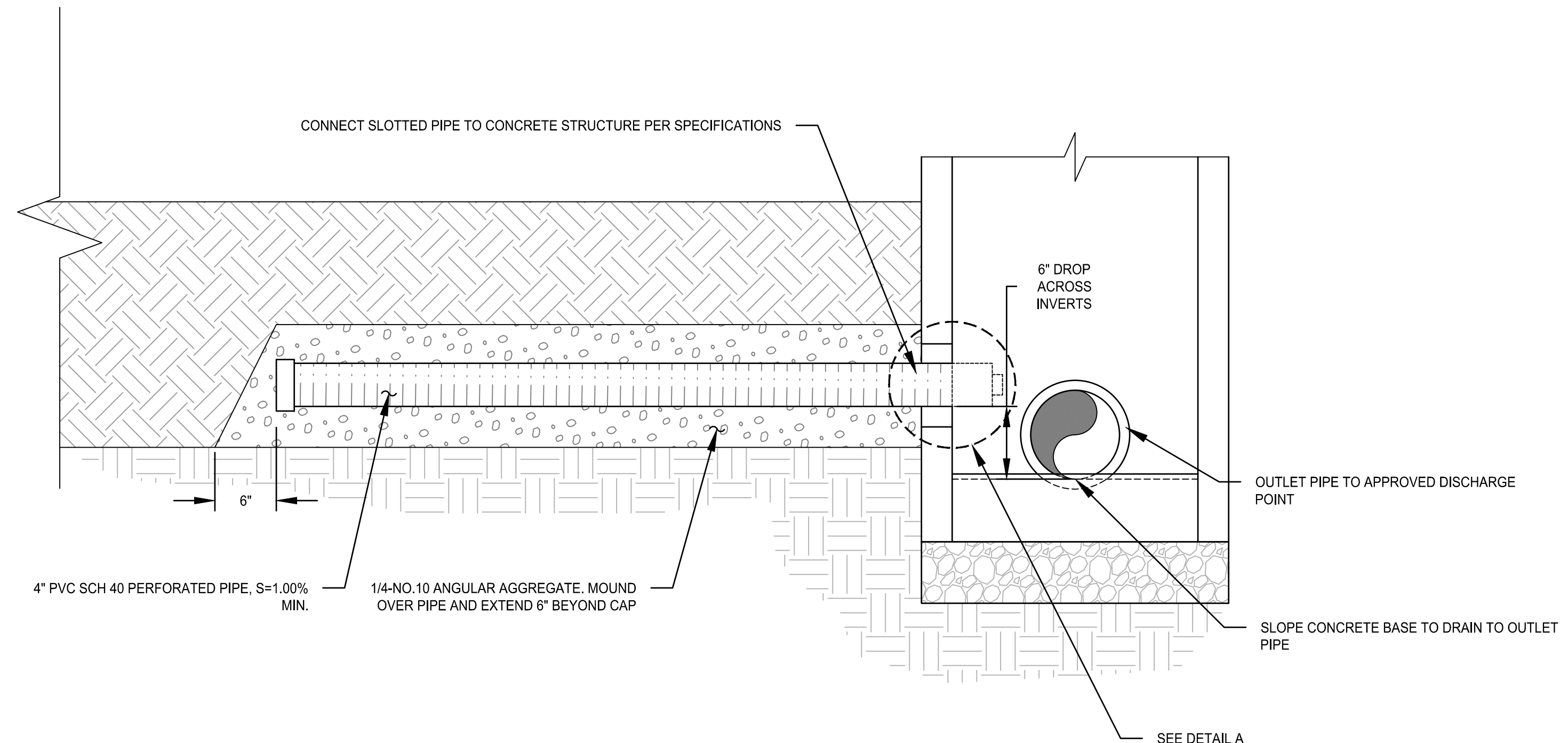
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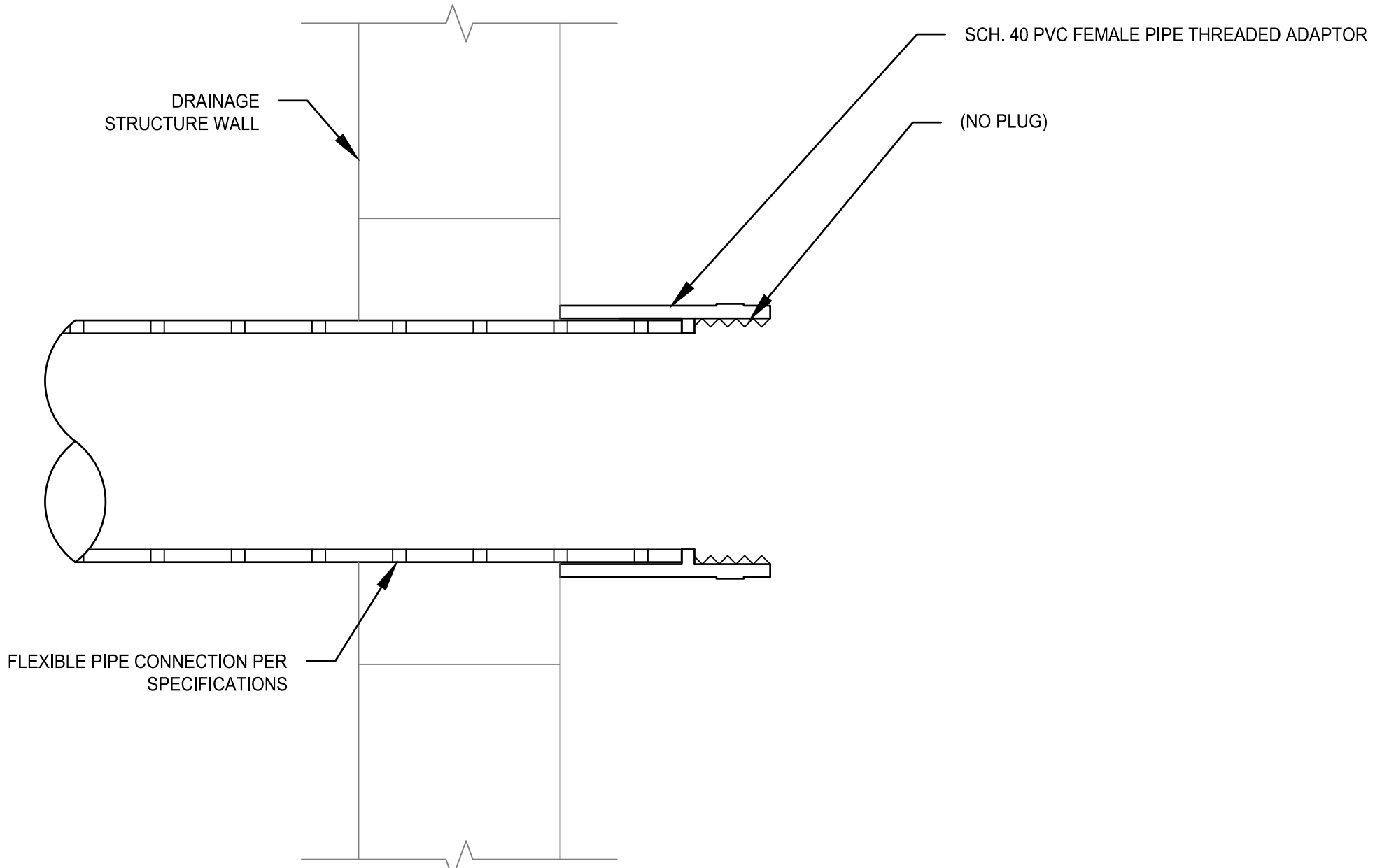
SECTION C

- NOTES:
1. RIP-RAP SHALL BE 2"-4" BALLAST AGGREGATE
 2. GRADE CONCRETE FOREBAY LEVEL AT SAME ELEVATIONS AS BOTTOM OF POND.

2 SEDIMENTATION FOREBAY AT OUTFALL
SCALE: NTS



SECTION



DETAIL A

1 STORMWATER FACILITY PERFORATED UNDERDRAIN
SCALE: NTS

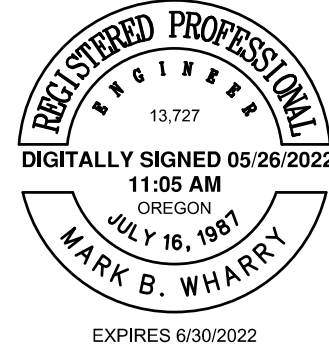
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REVISION	DATE	DESCRIPTION

APPROVED
 By Erich Lais at 1:10:43 PM, 05/31/2022



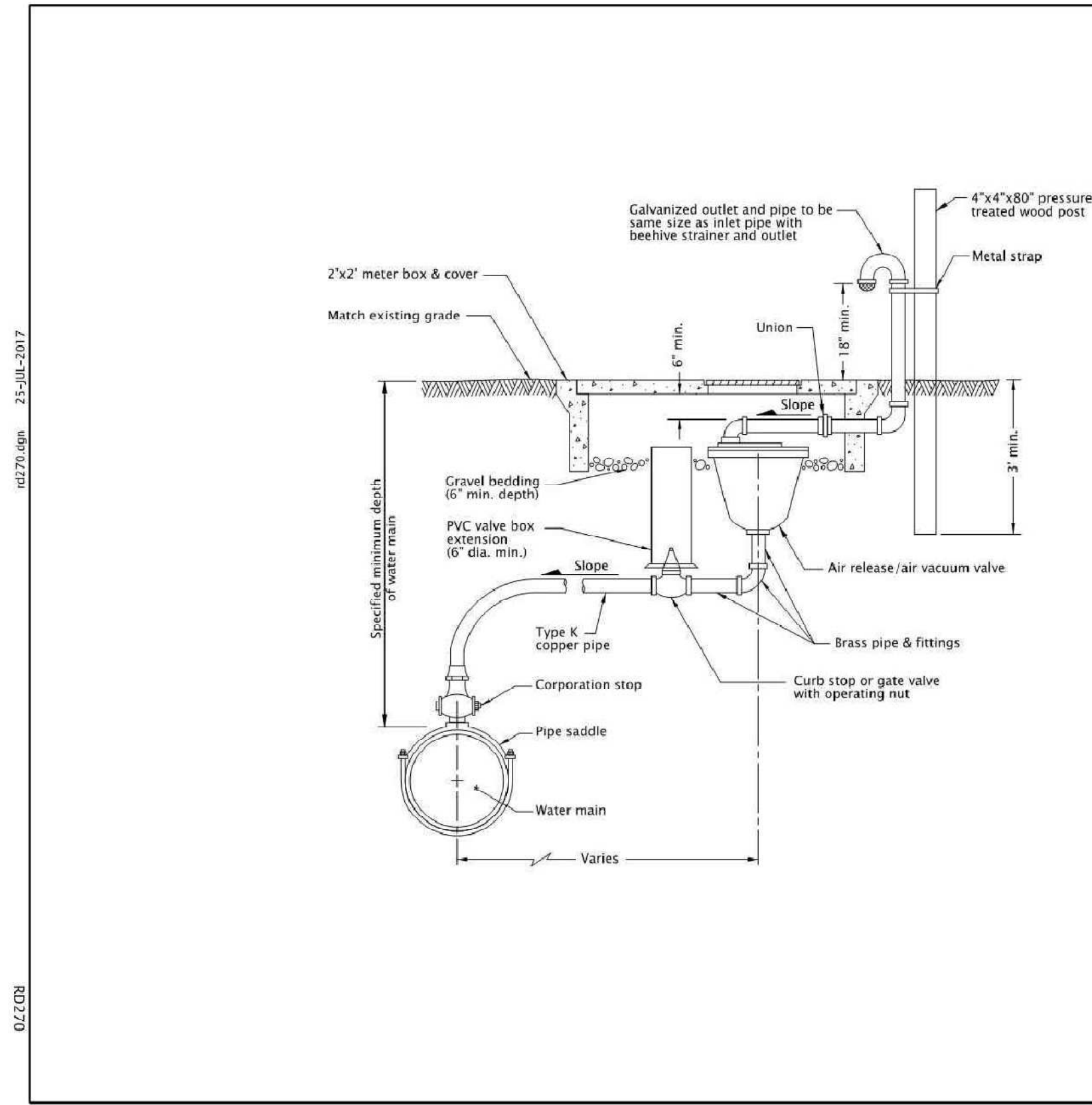
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JOB No.: 2000067
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 DRAWN BY: SB/RC
 CHECKED BY: DP/CV
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West Linn, OR 97068
 NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS
 STORM DETAILS

SHEET NO.
C2.47
 SHEET 43 OF 153
 RECORD NO.
 2000067-43



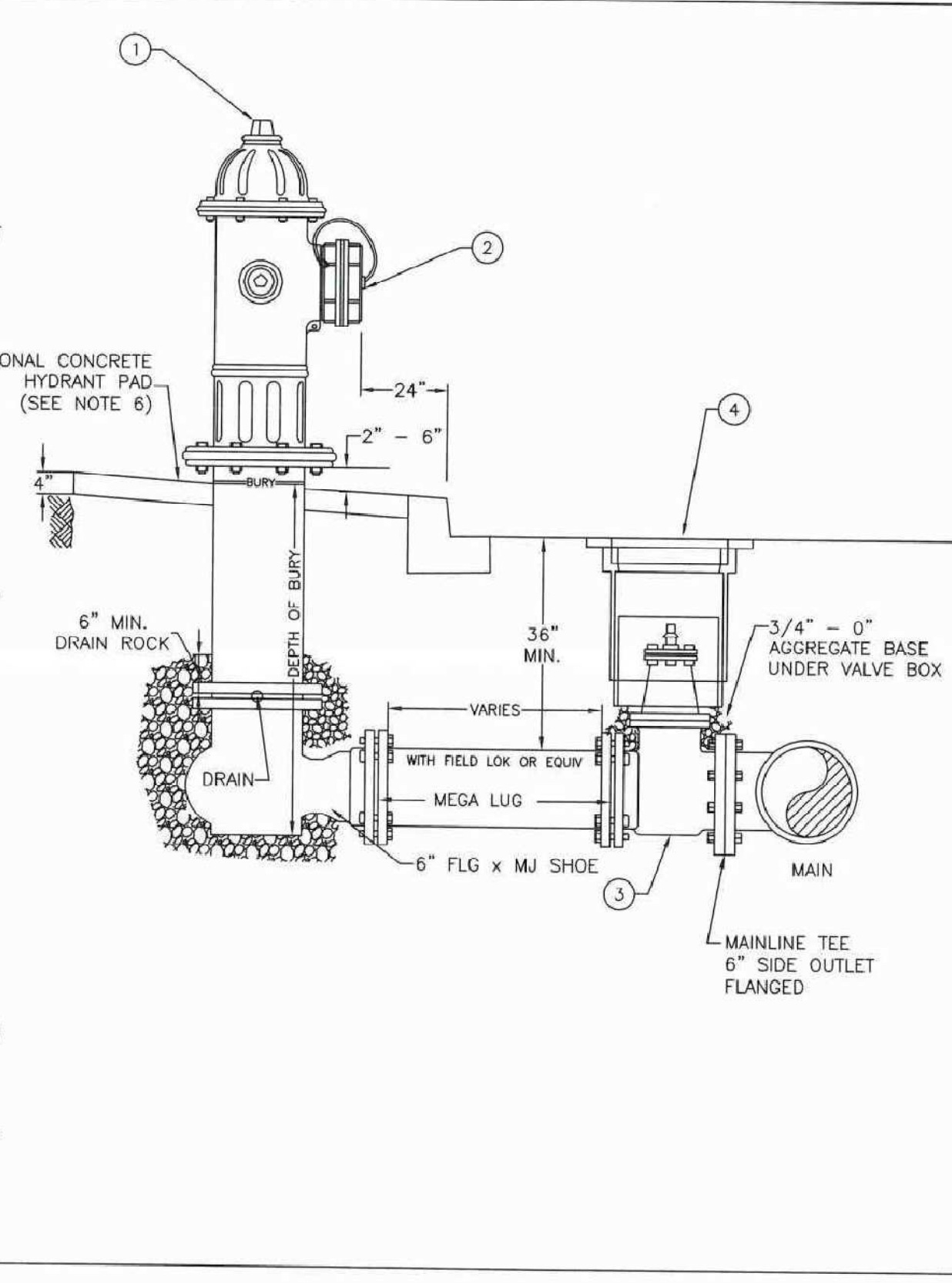
- GENERAL NOTES FOR ALL DETAILS:**
- Air release/air vacuum valve shall be size specified in Contract. Piping and valves to be same size as combination air release/air vacuum valve.
 - Locate at high point of main.
 - Tap top of main.
 - Provide insulation and additional depth when specified for freeze protection.
 - See project plans for details not shown.

CALC. BOOK NO. N/A	BASELINE REPORT DATE 25-JUL-2017
NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications.	
OREGON STANDARD DRAWINGS	
COMBINATION AIR RELEASE AIR VACUUM VALVE ASSEMBLY (2" AND SMALLER)	
DATE 2018	REVISION DESCRIPTION

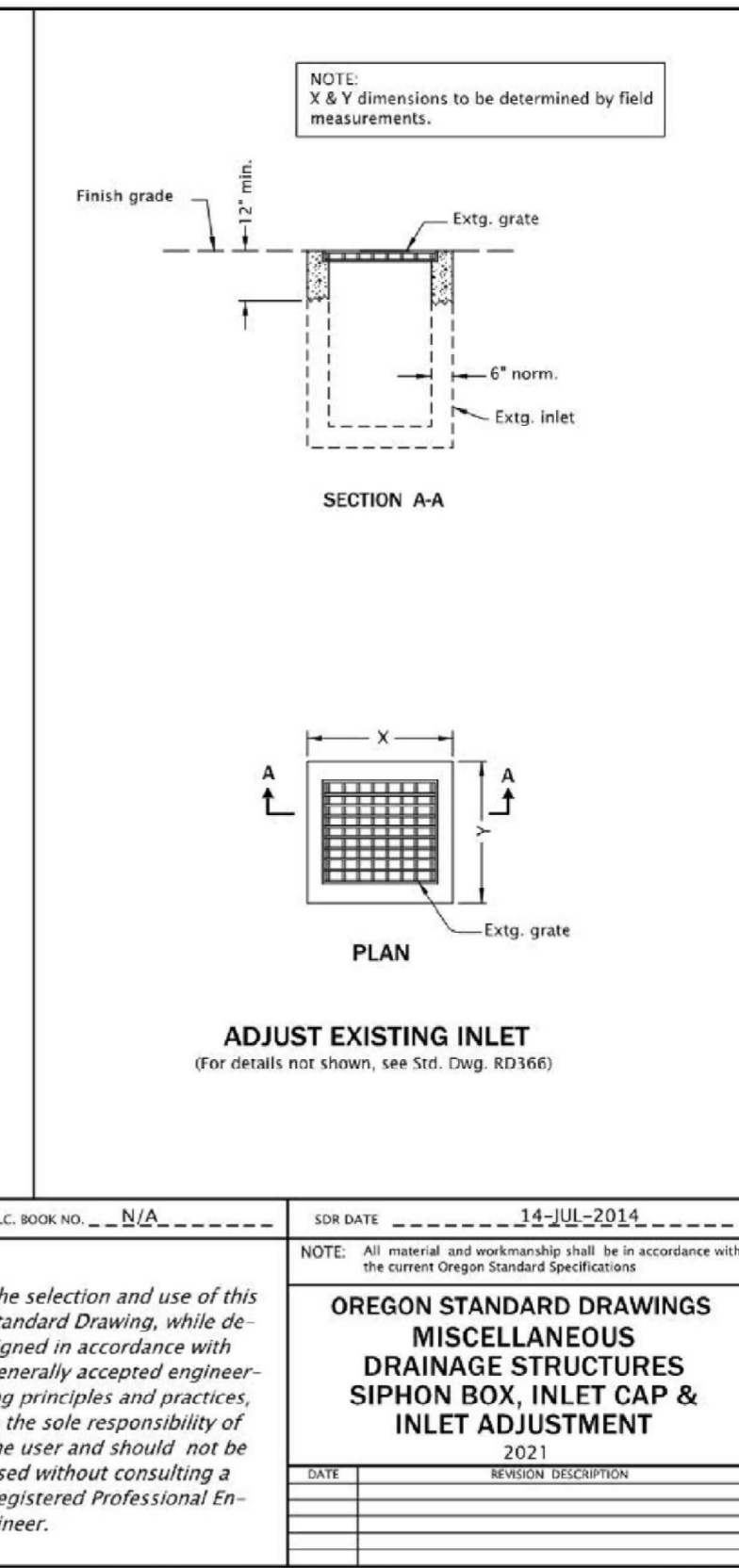
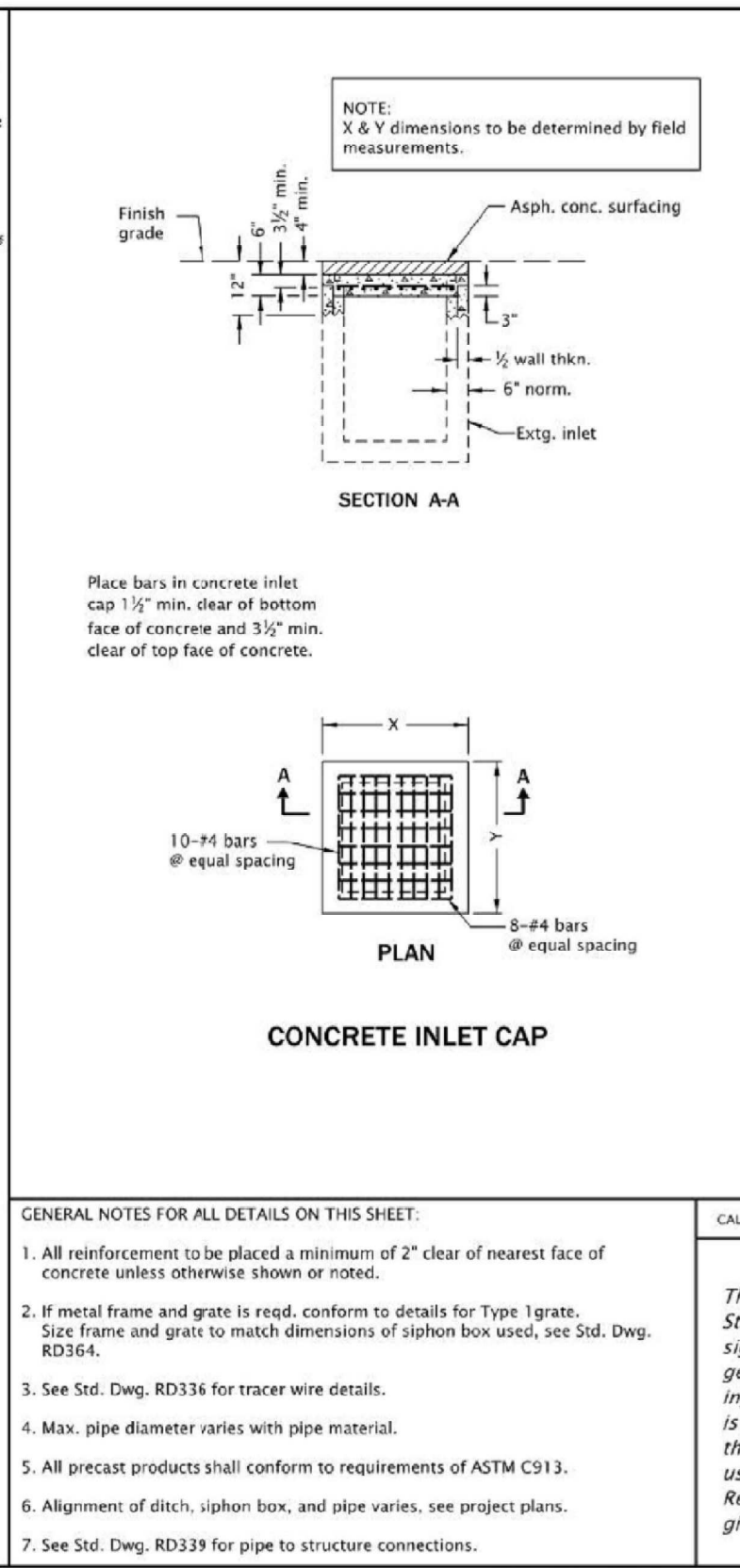
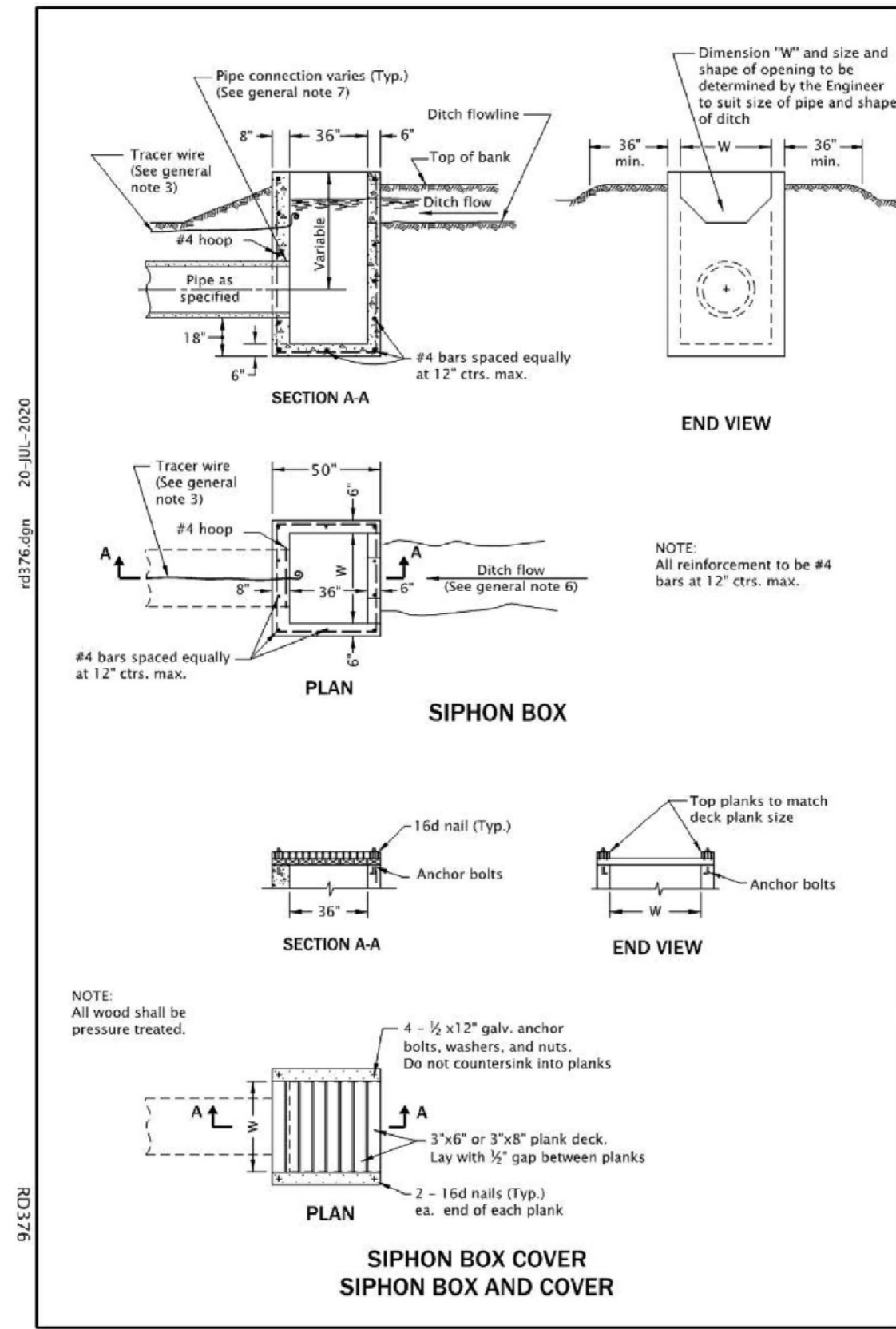
Effective Date: June 1, 2019 – November 30, 2019 RD270

- MATERIALS:**
- HYDRANT – MUELLER SUPER CENTURION MODEL A423 OR CLOW MEDALLION F2545 (OR APPROVED EQUAL). COLOR SHALL BE SAFETY YELLOW.
 - STORZ ADAPTER – REMOVE SAFETY CHAINS AND INSTALL 5X4.5 NPT STORZ ADT WITH CAP
 - VALVE – 6" MUELLER RESILIENT WEDGE GATE VALVE MODEL A-2361-19 (OR APPROVED EQUAL)
 - VALVE BOX – 18" TALL CAST IRON VALVE BOX WITH "W" COVER AND PVC OPTIONAL CONCRETE HYDRANT PAD (SEE NOTE 6)

- NOTES:**
- ALL JOINTS SHALL BE RESTRAINED WITH MEGALUG MECHANICAL JOINT RESTRAINTS OR APPROVED EQUAL.
 - HYDRANT DRAIN OUTLETS SHALL REMAIN OPEN AND OPERATIONAL PLACE CLEAN, 1 1/2" – 3/4" DRAIN ROCK AROUND SHOE TO AT LEAST 6" ABOVE DRAIN OUTLETS.
 - HYDRANTS SHALL BE PLACED ACCORDING TO THE FOLLOWING STANDARDS:
 - WHERE A PLANTER STRIP EXISTS BETWEEN THE CURB AND SIDEWALK, A HYDRANT SHALL BE PLACED WITHIN THE PLANTER STRIP SO THAT THE FRONT PORT IS 24" BEHIND THE FACE OF THE CURB.
 - WHERE THE SIDEWALK IS ADJACENT TO THE CURB, A HYDRANT SHALL BE PLACED BEHIND THE SIDEWALK.
 - WHERE CURB AND SIDEWALK DO NOT EXIST, A HYDRANT SHALL BE PLACED ACCORDING TO THE DIRECTION OF CITY STAFF.
 - CONCRETE HYDRANT PADS ARE OPTIONAL AND SHALL BE INSTALLED AT THE DIRECTION OF CITY STAFF. ALL FITTINGS THAT CONTACT CONCRETE SHALL BE WRAPPED IN PLASTIC.
 - PROVIDE 2" TO 6" OF CLEARANCE BETWEEN THE TOP OF THE HYDRANT PAD OR GROUND SURFACE AND THE BOTTOM OF THE FLANGED BOLT PATTERN OF THE HYDRANT.
 - A 3-FOOT MINIMUM CLEAR ZONE SHALL BE MAINTAINED AROUND ALL HYDRANTS. NO TREES, POLES, OR FURNITURE ARE ALLOWED WITHIN THIS ZONE.



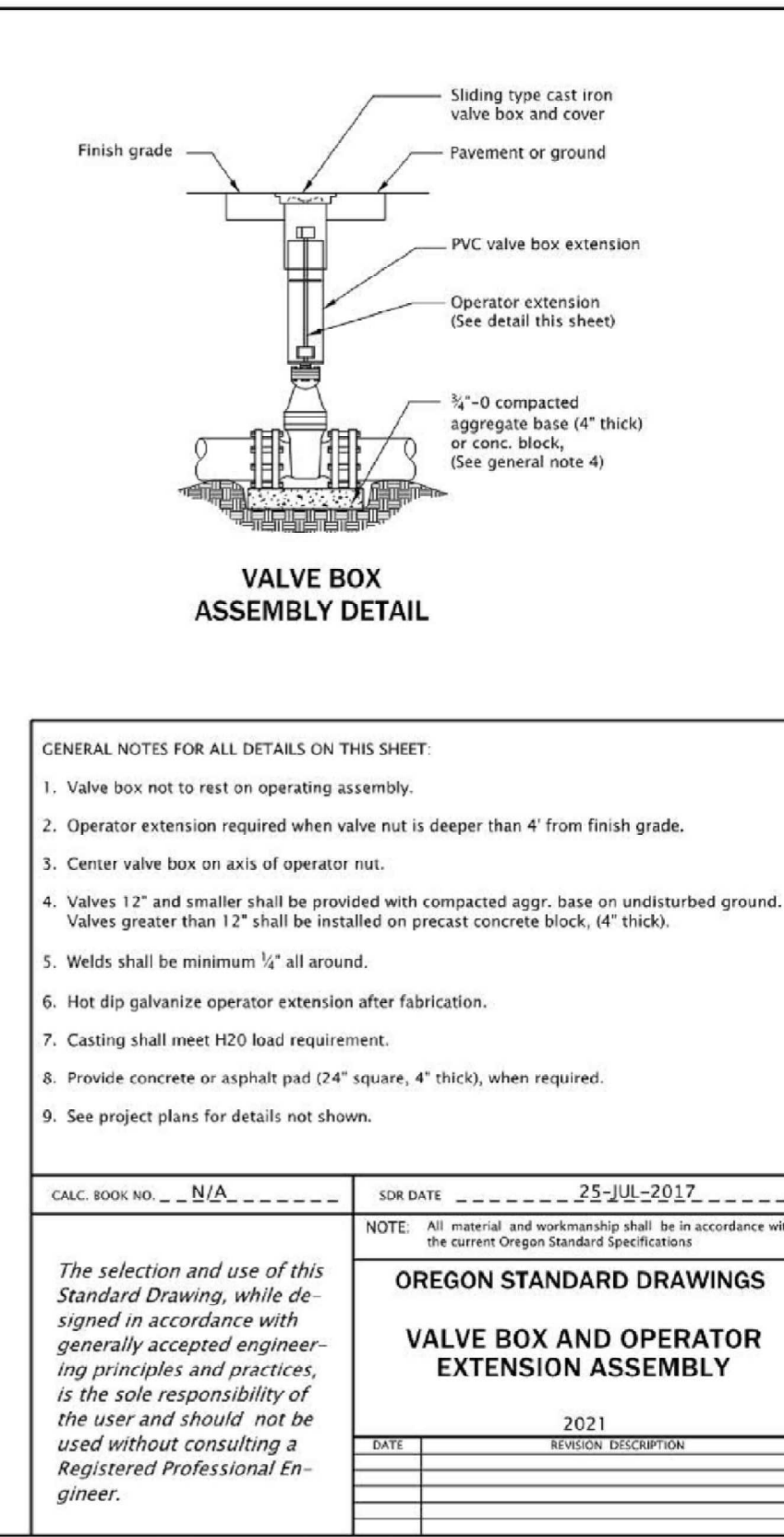
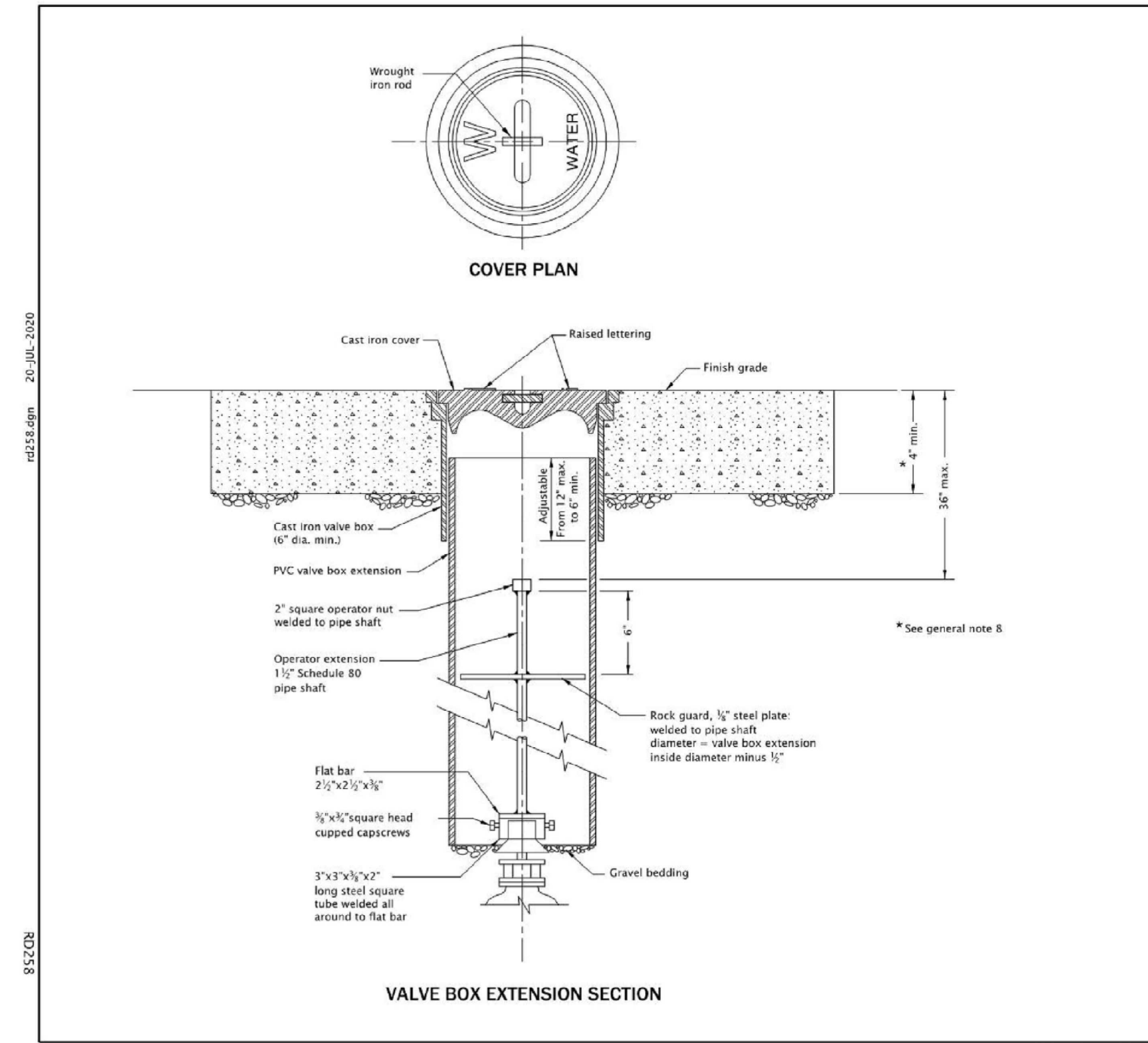
Standard Drawing No. WL-RD254	Effective Date 08/01/19
West Linn	
PUBLIC WORKS DEPARTMENT - STANDARD DRAWINGS	
2200 Sooma Road, West Linn, OR 97068	
Phone: 503.222.3500 www.westlinn.gov	
NOTE: The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.	



- GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:**
- All reinforcement to be placed a minimum of 2" clear of nearest face of concrete unless otherwise shown or noted.
 - If metal frame and grate is reqd. conform to details for Type 1 grate. Size frame and grate to match dimensions of siphon box used, see Std. Dwg. RD364.
 - See Std. Dwg. RD336 for tracer wire details.
 - Max. pipe diameter varies with pipe material.
 - All precast products shall conform to requirements of ASTM C913.
 - Alignment of ditch, siphon box, and pipe varies, see project plans.
 - See Std. Dwg. RD339 for pipe to structure connections.

CALC. BOOK NO. N/A	SDW DATE 14-JUL-2014
NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications.	
OREGON STANDARD DRAWINGS	
MISCELLANEOUS DRAINAGE STRUCTURES SIPHON BOX, INLET CAP & INLET ADJUSTMENT	
DATE 2021	REVISION DESCRIPTION

Effective Date: December 1, 2020 – May 31, 2021 RD376



- GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:**
- Valve box not to rest on operating assembly.
 - Operator extension required when valve nut is deeper than 4" from finish grade.
 - Center valve box on axis of operator nut.
 - Valves 12" and smaller shall be provided with compacted aggr. base on undisturbed ground. Valves greater than 12" shall be installed on precast concrete block, (4" thick).
 - Welds shall be minimum 1/2" all around.
 - Hot dip galvanize operator extension after fabrication.
 - Casting shall meet H20 load requirement.
 - Provide concrete or asphalt pad (2'4" square, 4" thick), when required.
 - See project plans for details not shown.

CALC. BOOK NO. N/A	SDW DATE 25-JUL-2017
NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications.	
OREGON STANDARD DRAWINGS	
VALVE BOX AND OPERATOR EXTENSION ASSEMBLY	
DATE 2021	REVISION DESCRIPTION

Effective Date: December 1, 2021 – May 31, 2022 RD258

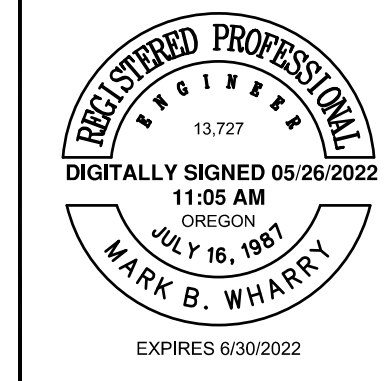
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REVISION	DATE	DESCRIPTION

APPROVED
By Erich Lais at 1:10:58 PM, 05/31/2022



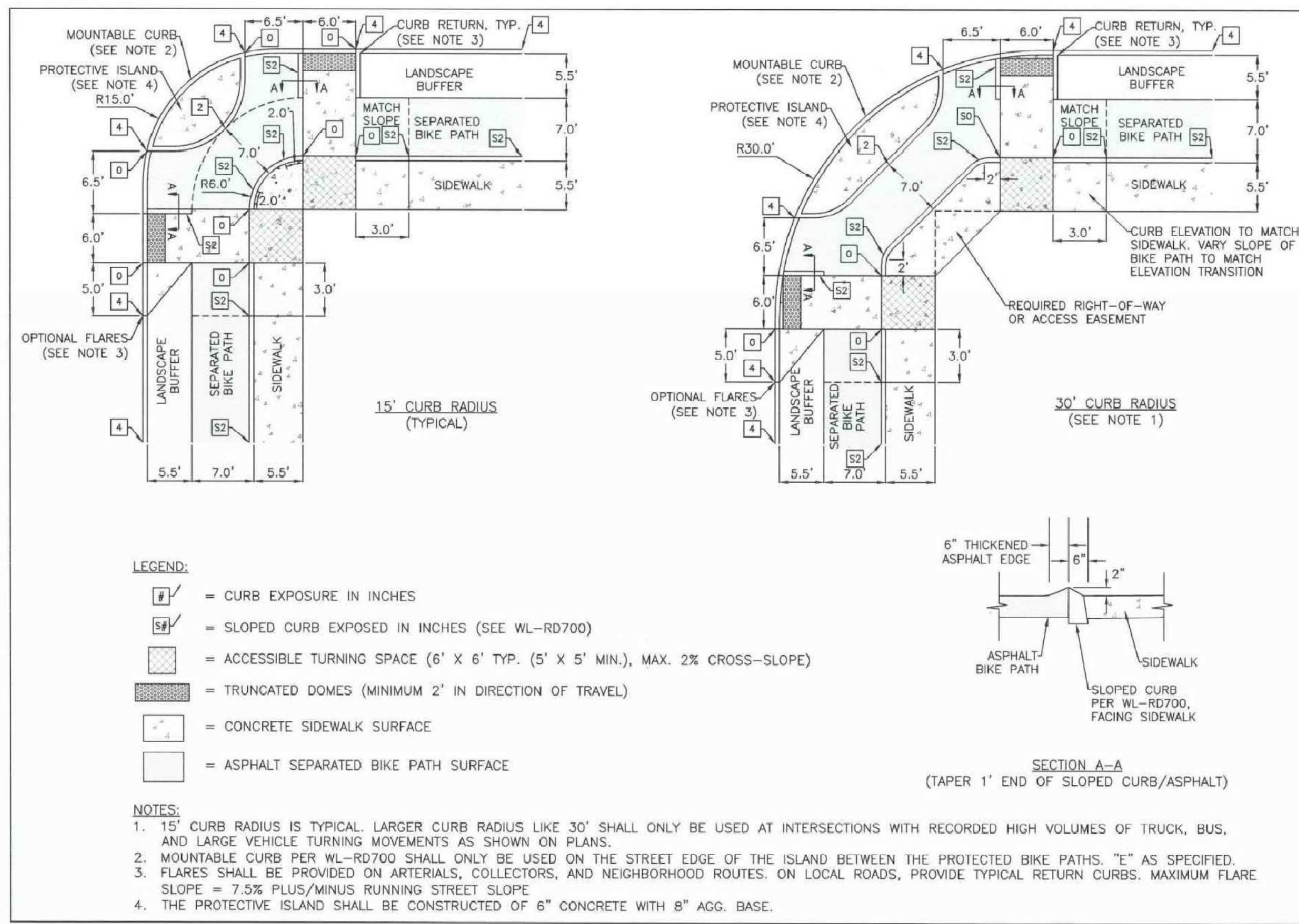
111 SW Fifth Ave., Suite 2600
Portland, OR 97204
O: 503.542.3860
F: 503.224.4681
www.kpff.com



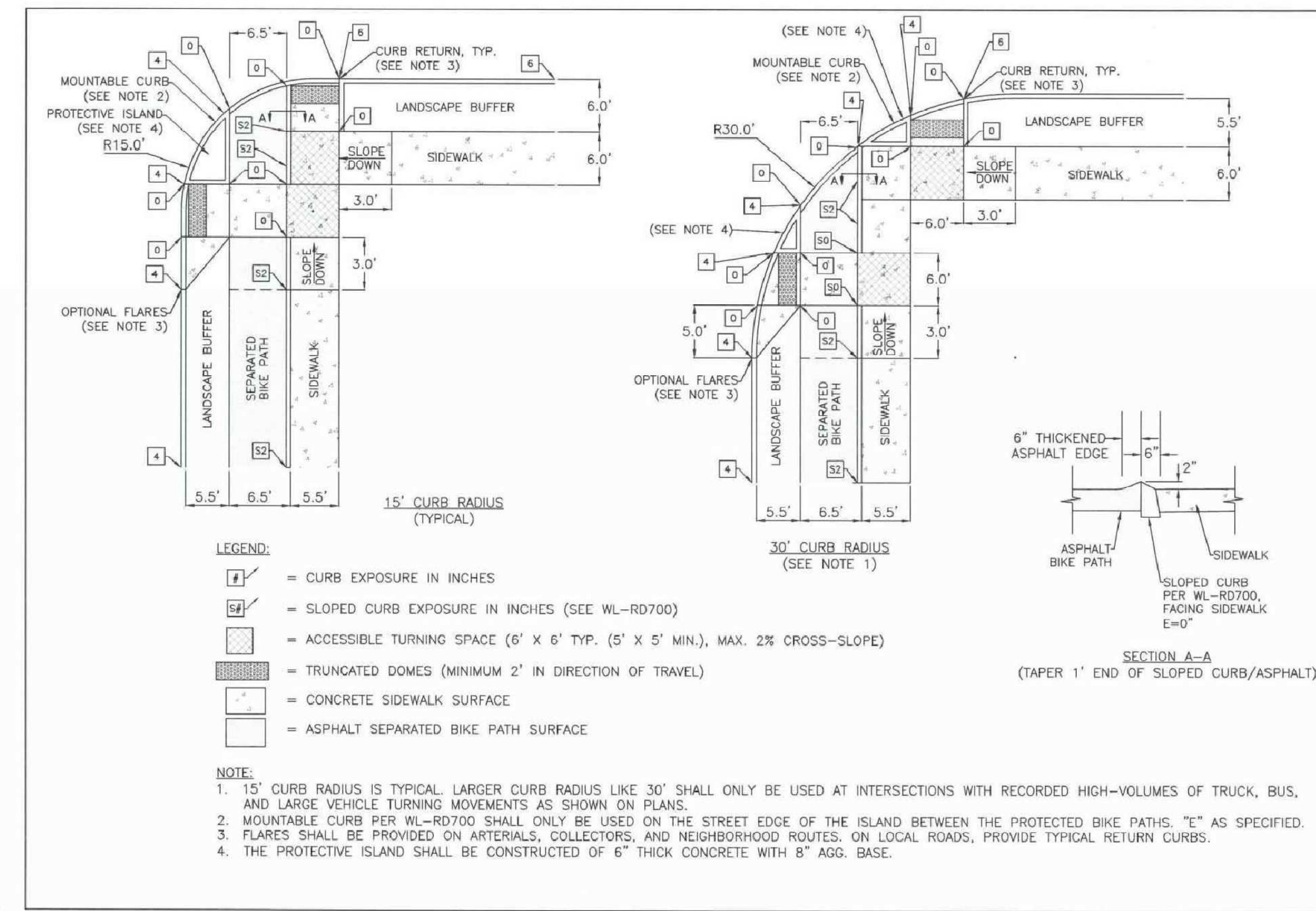
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West Linn, OR 97068
NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS
WATER DETAILS

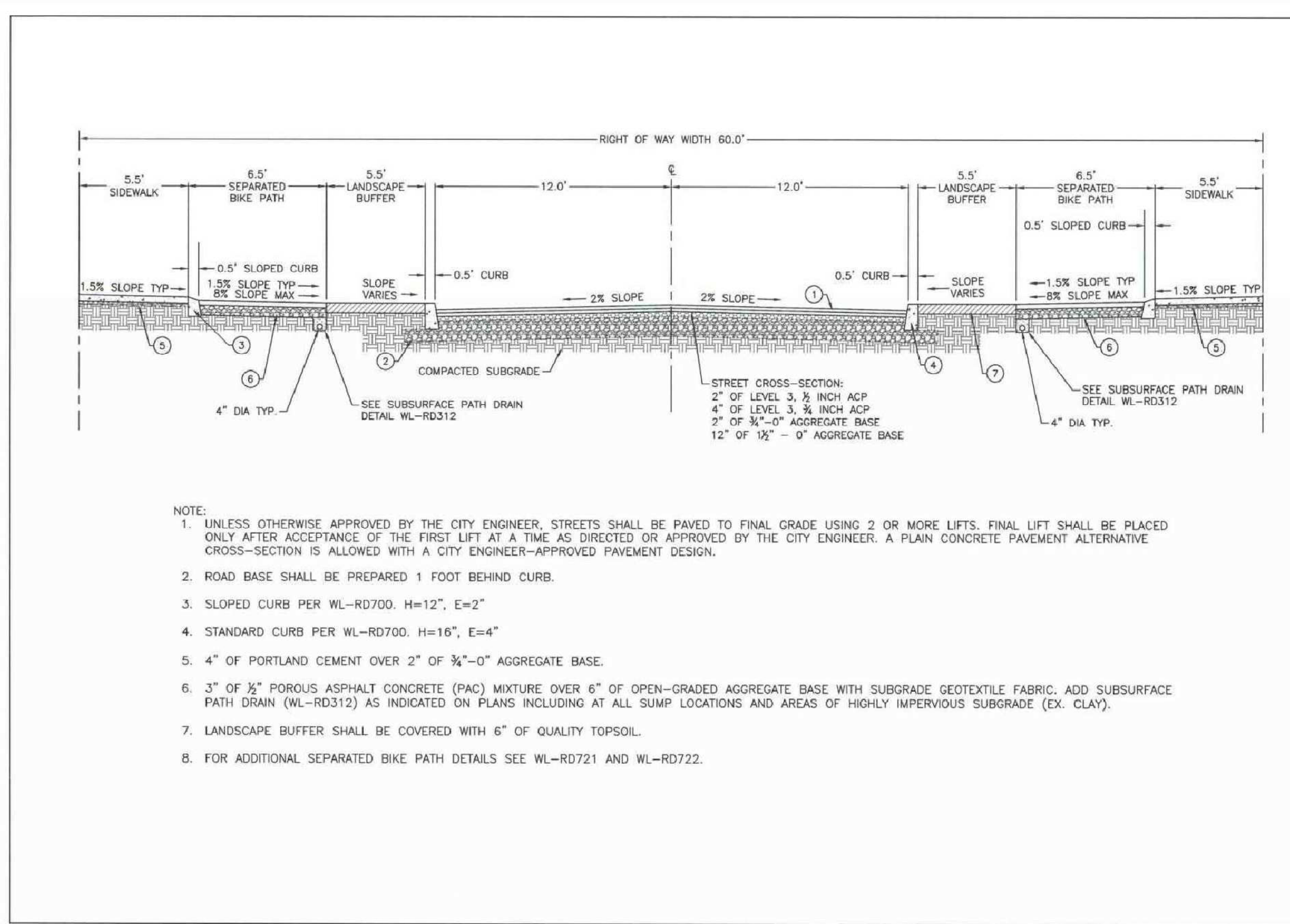
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SHEET 44 OF 153
RECORD NO.
2000067-44



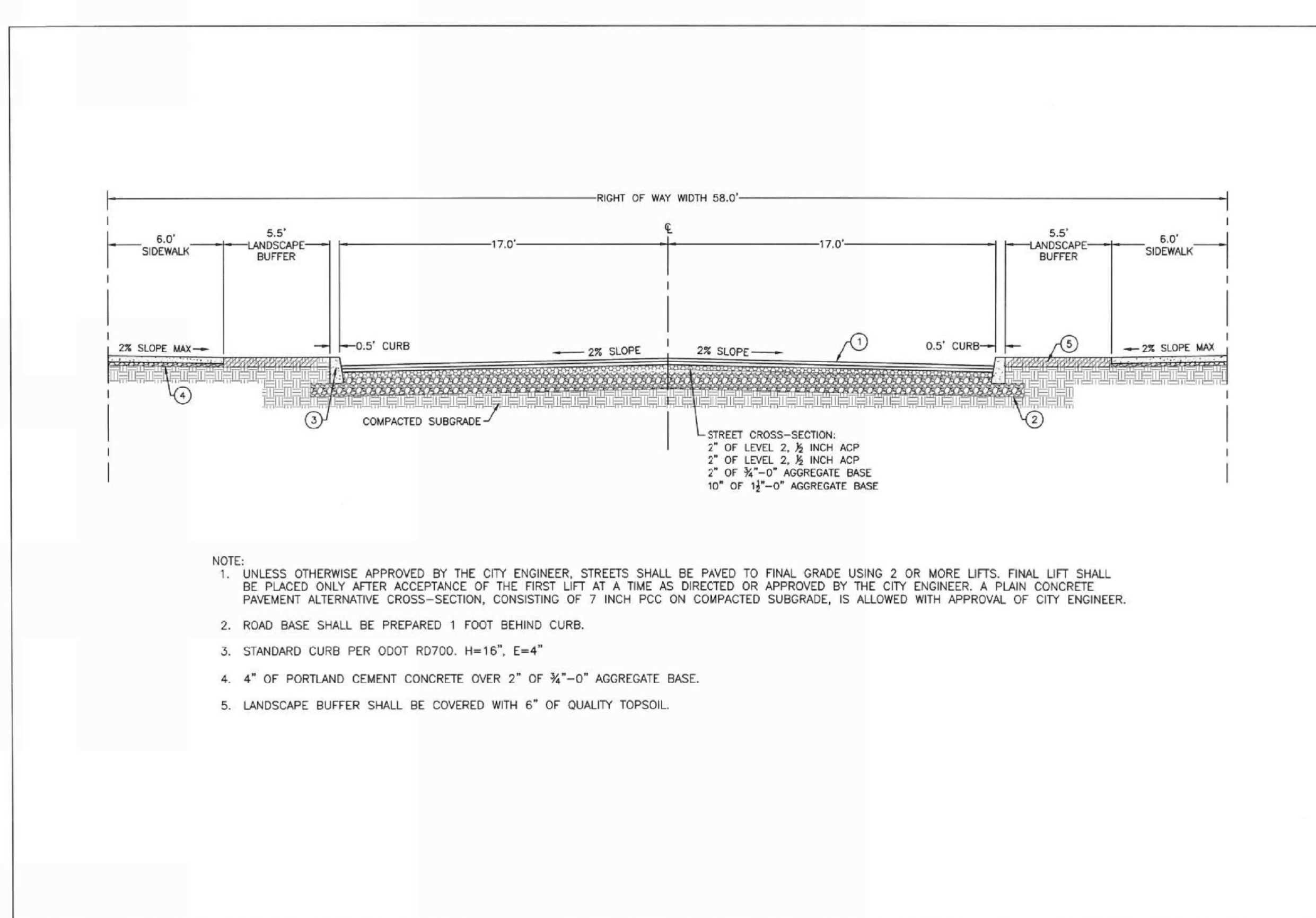
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 Effective Date: 02/22/22
 City Engineer: [Signature]
 Approved: [Signature]
 The City of West Linn
 PUBLIC WORKS DEPARTMENT - STANDARD DRAWINGS
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 www.westlinn.gov



Standard Drawing No. WL-B012
 Effective Date: 02/22/22
 City Engineer: [Signature]
 Approved: [Signature]
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Standard Drawing No. WL-RD010
 Effective Date: 02/22/22
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 Approved: [Signature]
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Standard Drawing No. WL-RD011
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 Approved: [Signature]
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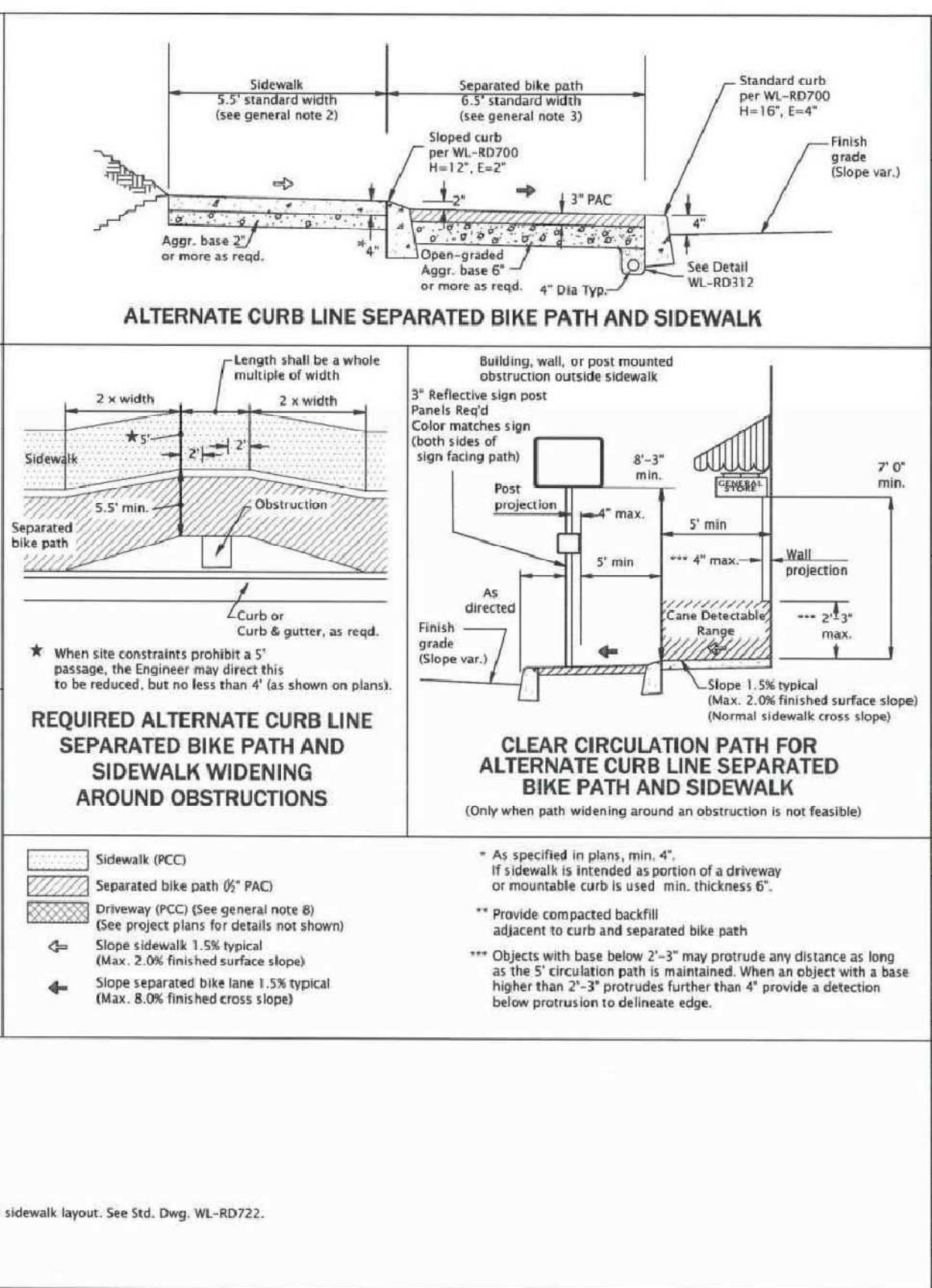
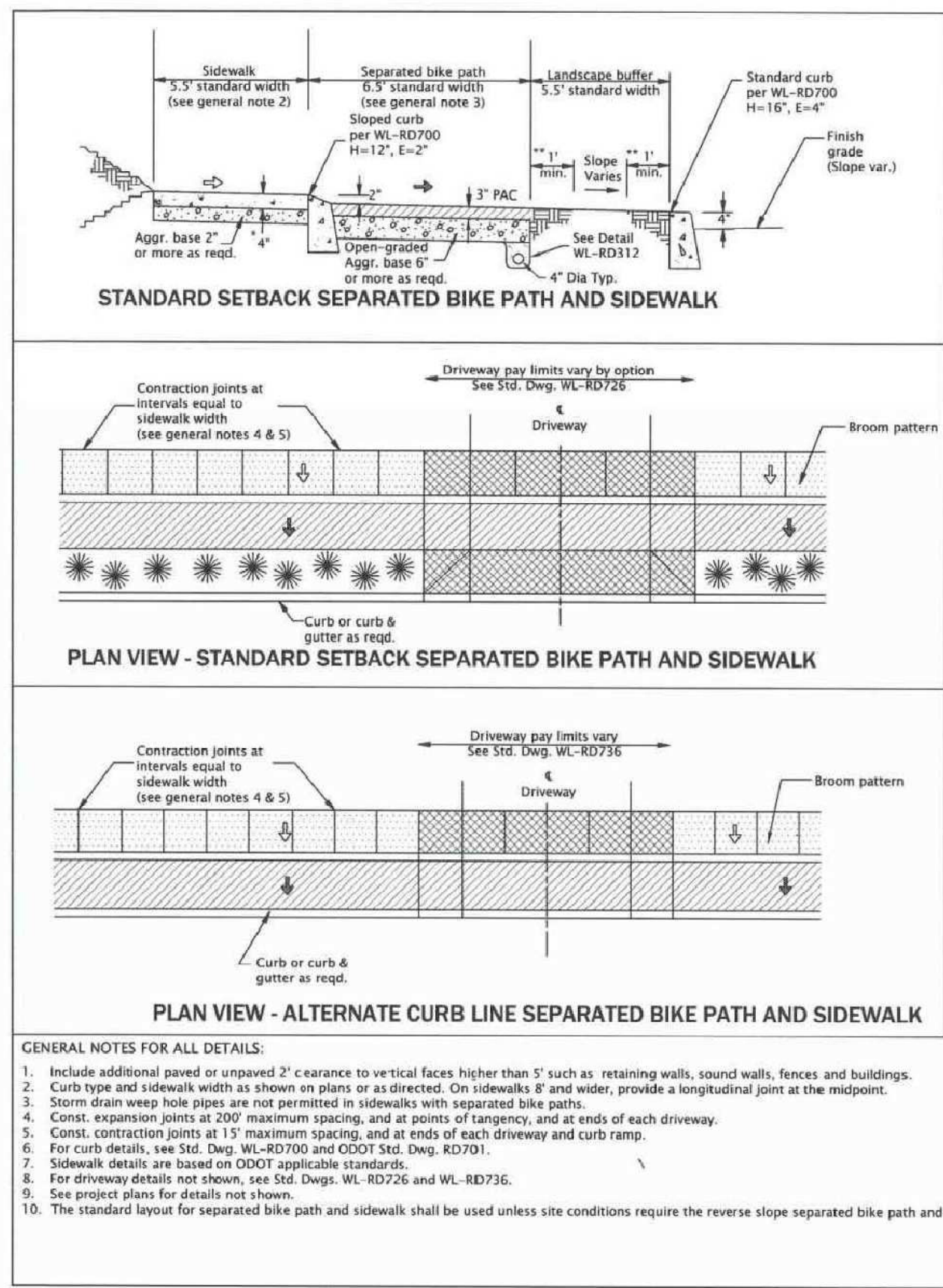
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 F: 503.224.4681
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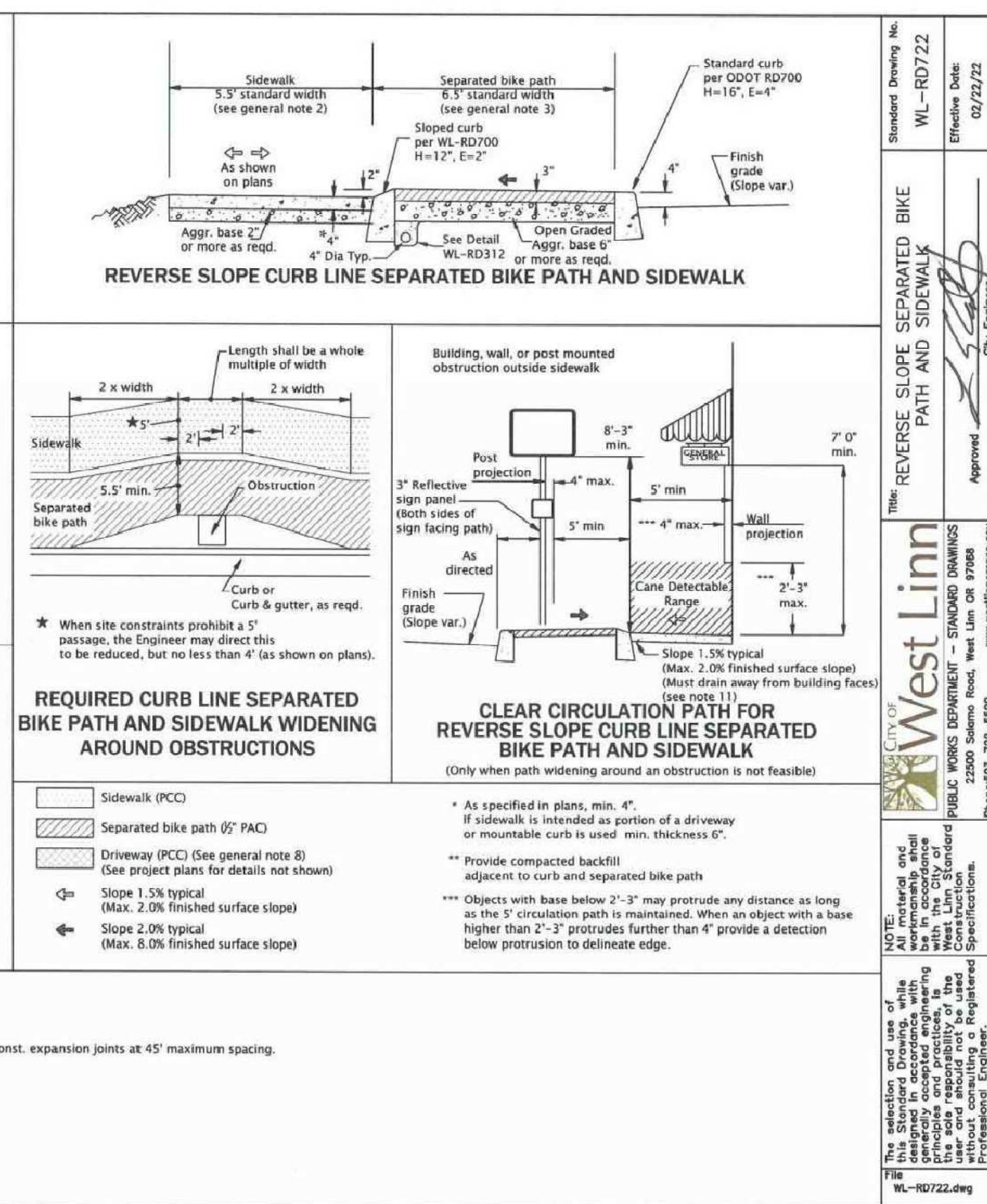
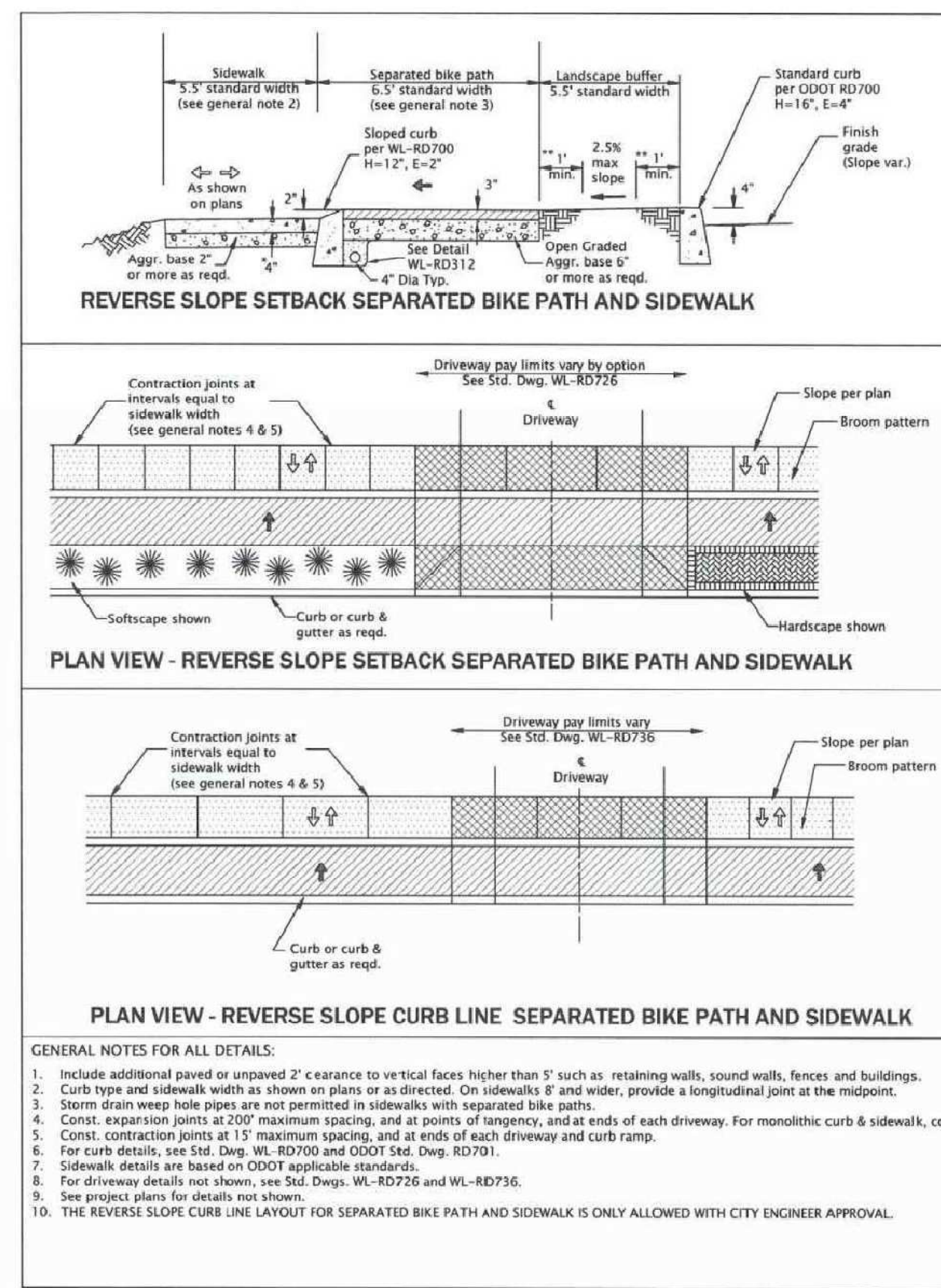
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West Linn, OR 97068
 NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS
 STANDARD DRAWINGS - WEST LINN

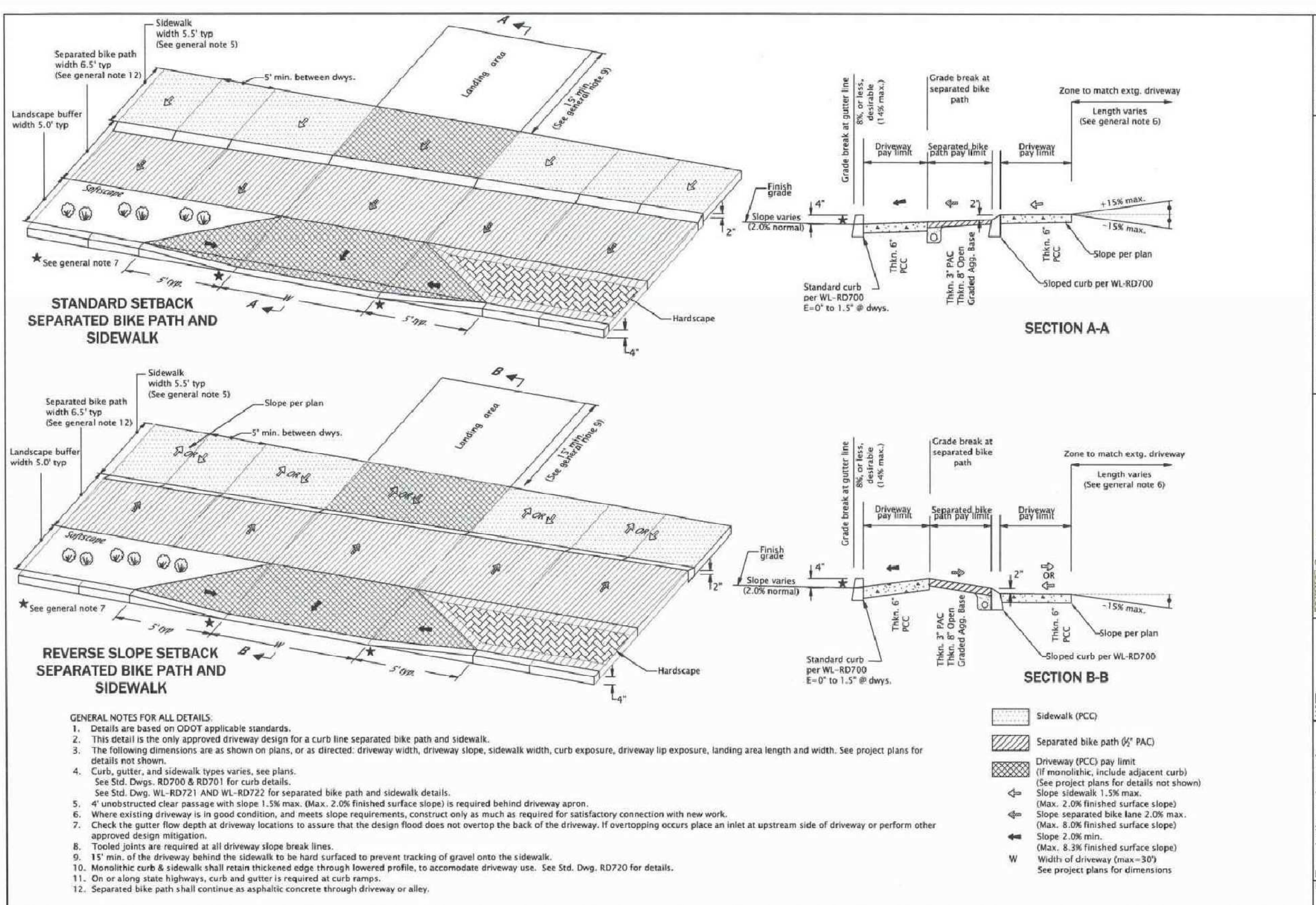
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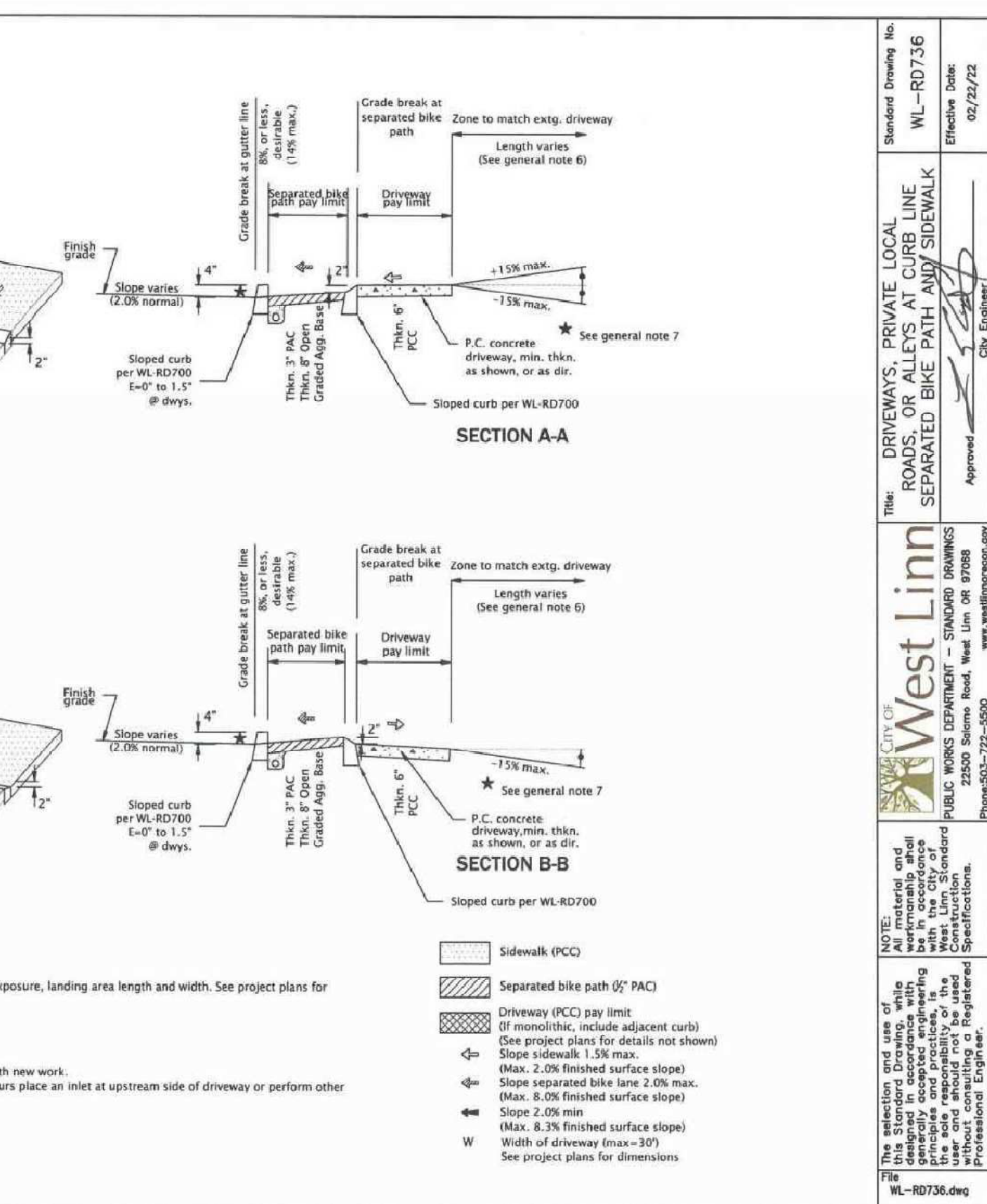
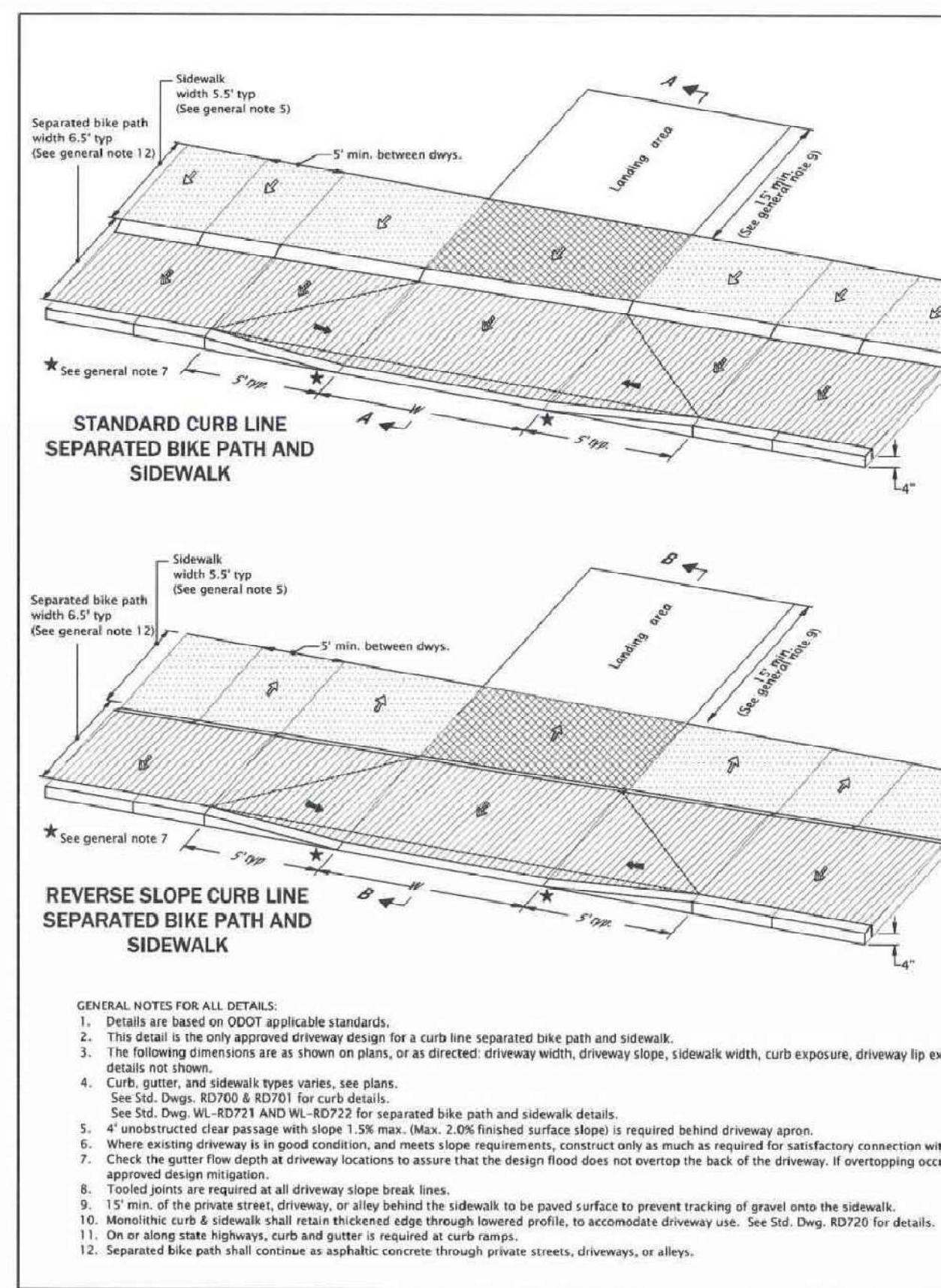
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 City of West Linn
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 Phone: 503-722-5000
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Standard Drawing No. WL-RD722
 Effective Date: 02/27/22
 City Engineer: [Signature]
 City of West Linn
 PUBLIC WORKS DEPARTMENT - STANDARD DRAWINGS
 22000 Blaine Road, West Linn, OR 97148
 Phone: 503-722-5000
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Standard Drawing No. WL-RD726
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 City Engineer: [Signature]
 City of West Linn
 PUBLIC WORKS DEPARTMENT - STANDARD DRAWINGS
 22000 Blaine Road, West Linn, OR 97148
 Phone: 503-722-5000
 www.westlinn.gov



Standard Drawing No. WL-RD736
 Effective Date: 02/27/22
 City Engineer: [Signature]
 City of West Linn
 PUBLIC WORKS DEPARTMENT - STANDARD DRAWINGS
 22000 Blaine Road, West Linn, OR 97148
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REVISION	DATE	DESCRIPTION

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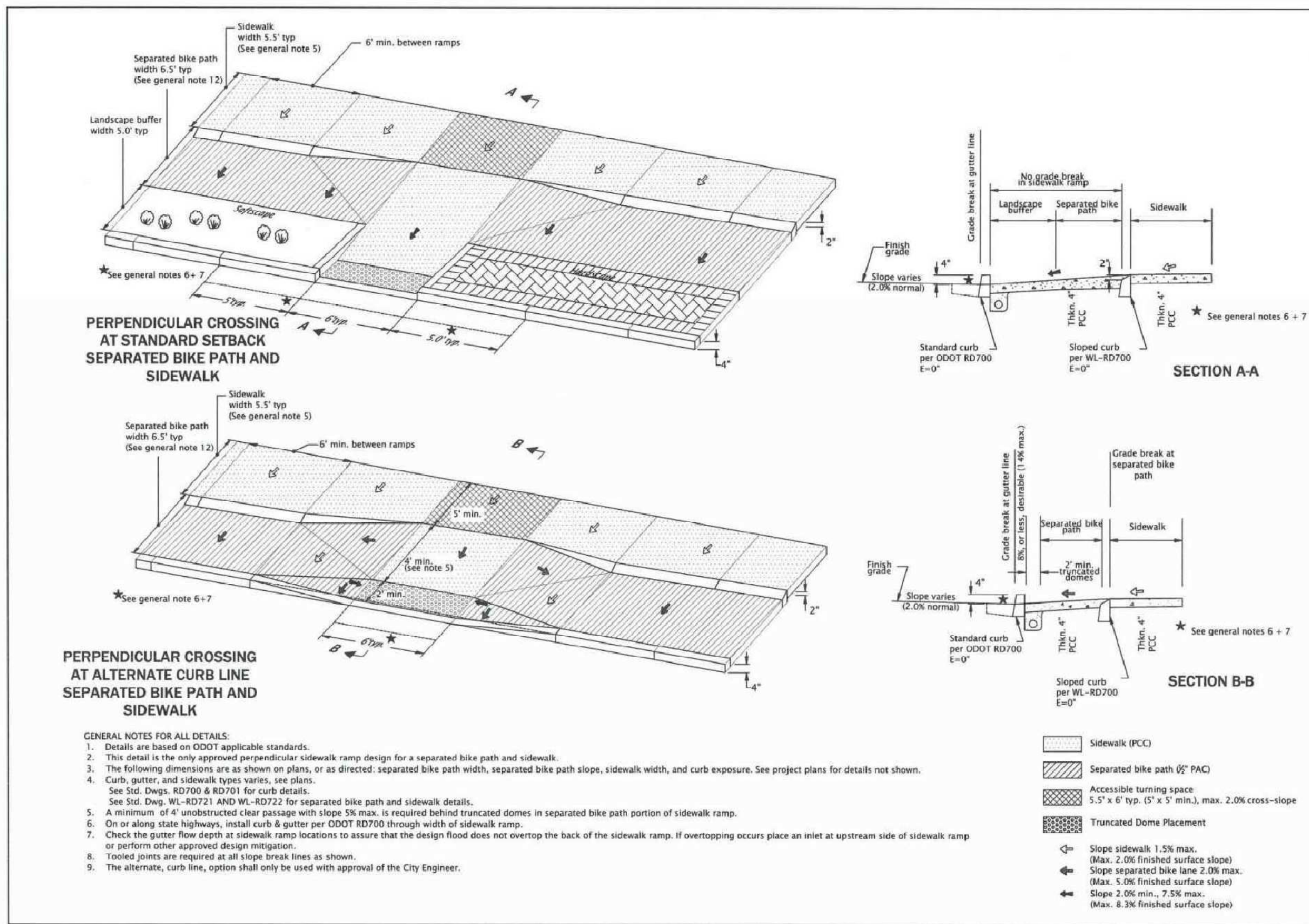
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 F: 503.224.4681
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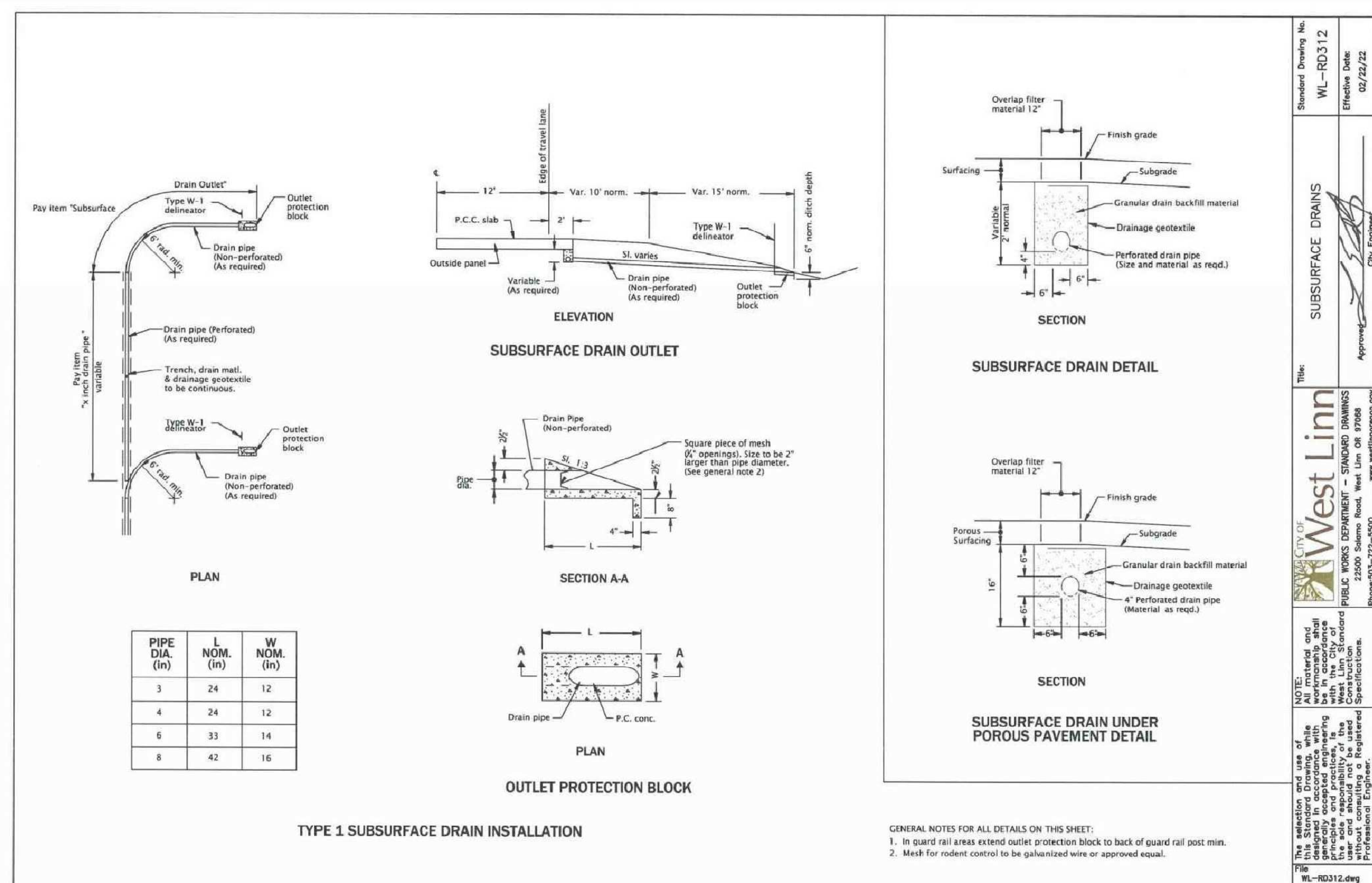
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West Linn, OR 97068
 NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS
 STANDARD DRAWINGS - WEST LINN

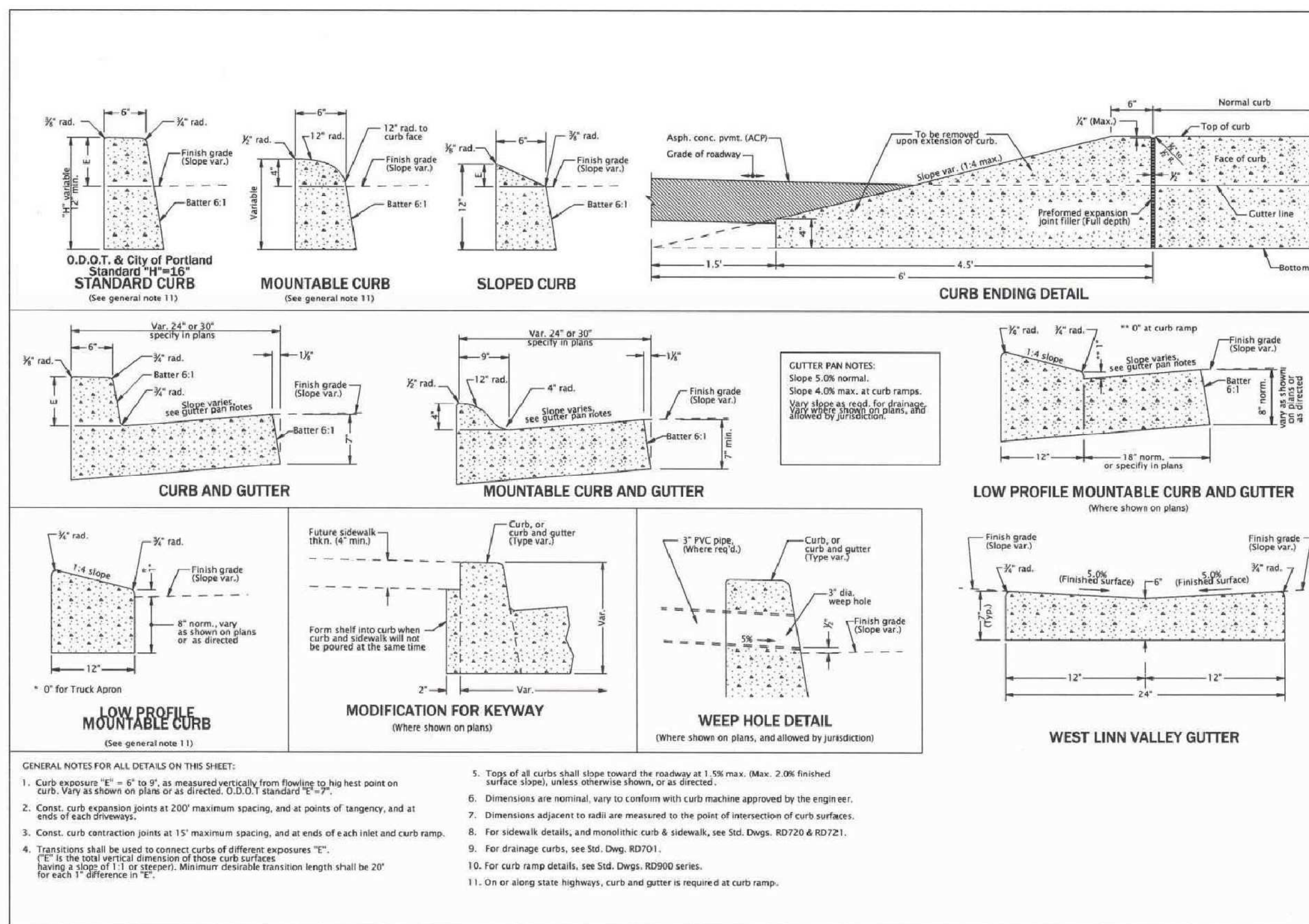
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 RECORD NO. 2000067-46



Standard Drawing No. WL-RD754
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 City Engineer: [Signature]
 Approved: [Signature]
 City of West Linn
 PUBLIC WORKS DEPARTMENT - STANDARD DRAWINGS
 22500 Selma Road, West Linn, OR 97068
 Phone: 503-722-3500
 www.westlinn.gov
 File: WL-RD754.dwg



Standard Drawing No. WL-RD312
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 Title: SUBSURFACE DRAINS
 City Engineer: [Signature]
 Approved: [Signature]
 City of West Linn
 PUBLIC WORKS DEPARTMENT - STANDARD DRAWINGS
 22500 Selma Road, West Linn, OR 97068
 Phone: 503-722-3500
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 File: WL-RD312.dwg



Standard Drawing No. WL-RD700
 Effective Date: 02/22/22
 Title: CURBS
 City Engineer: [Signature]
 Approved: [Signature]
 City of West Linn
 PUBLIC WORKS DEPARTMENT - STANDARD DRAWINGS
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 Phone: 503-722-3500
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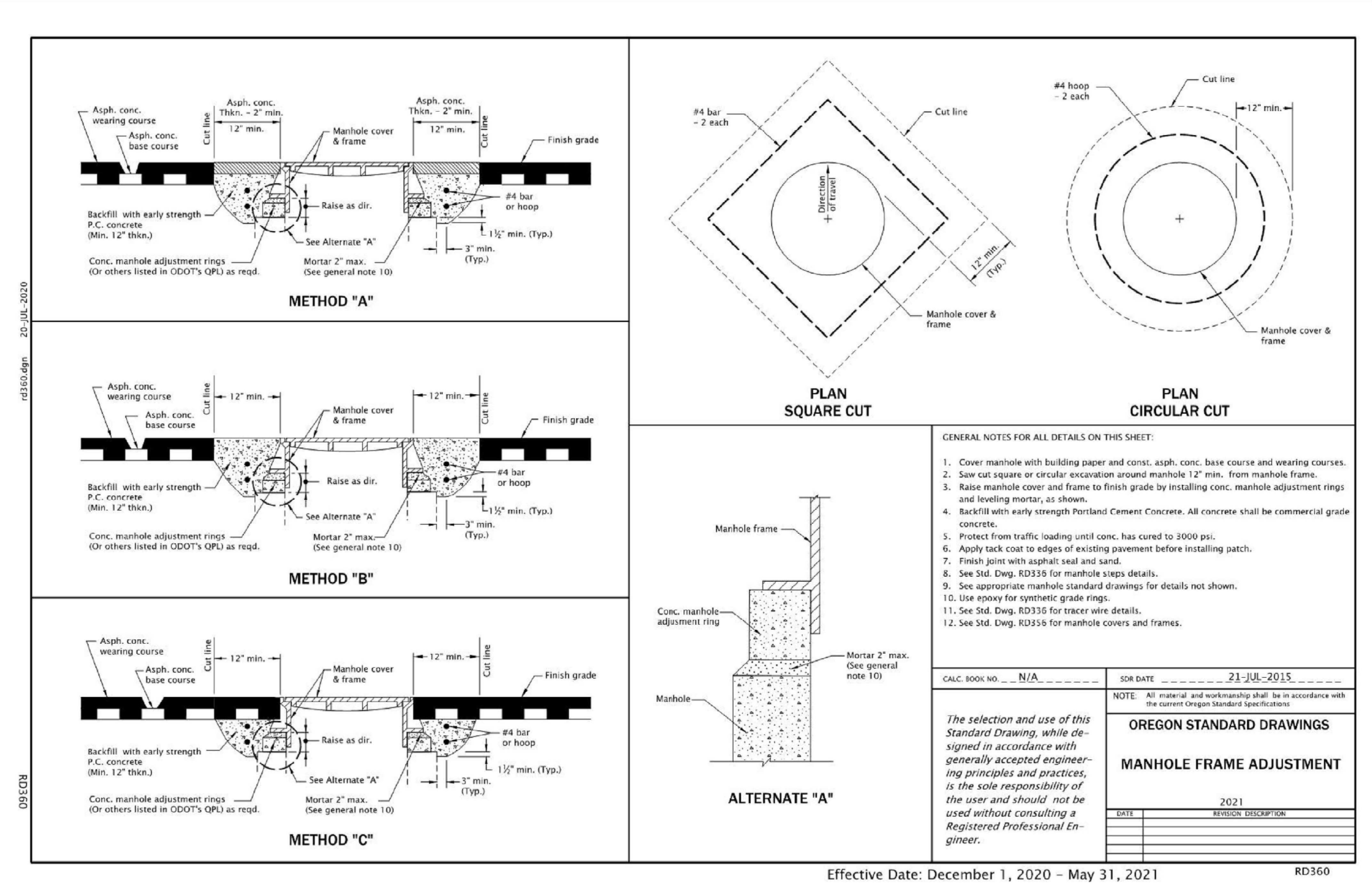
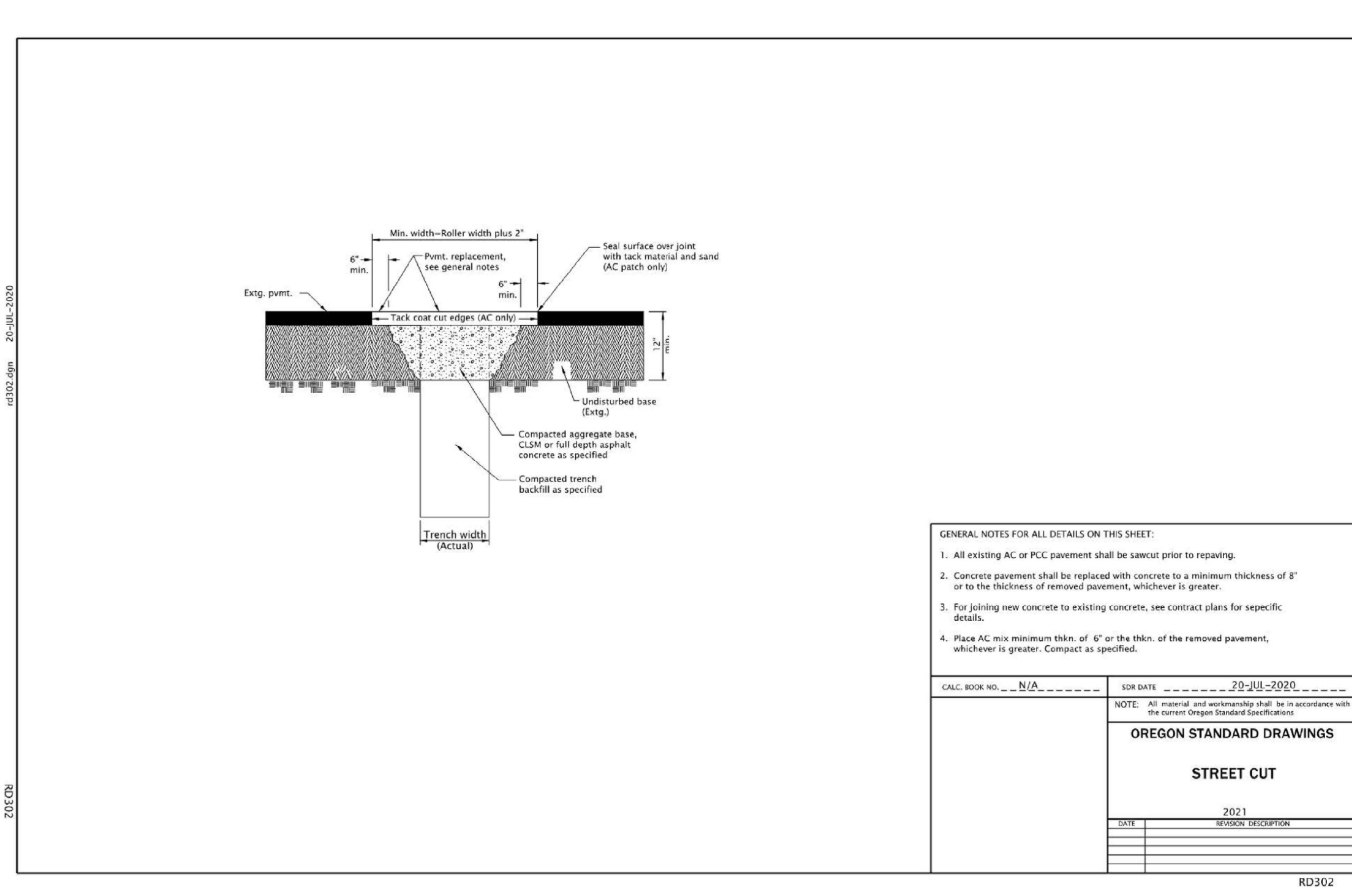
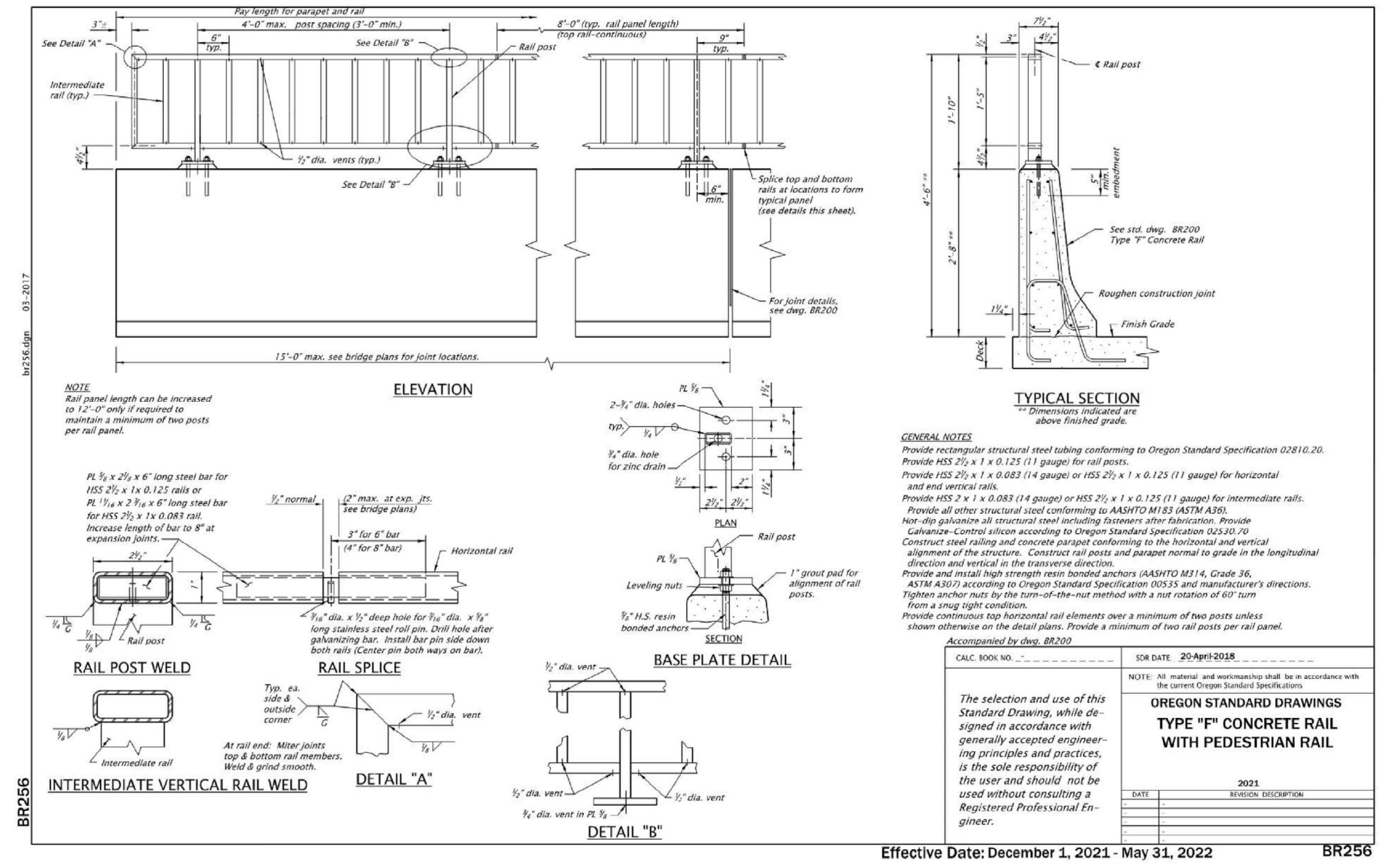
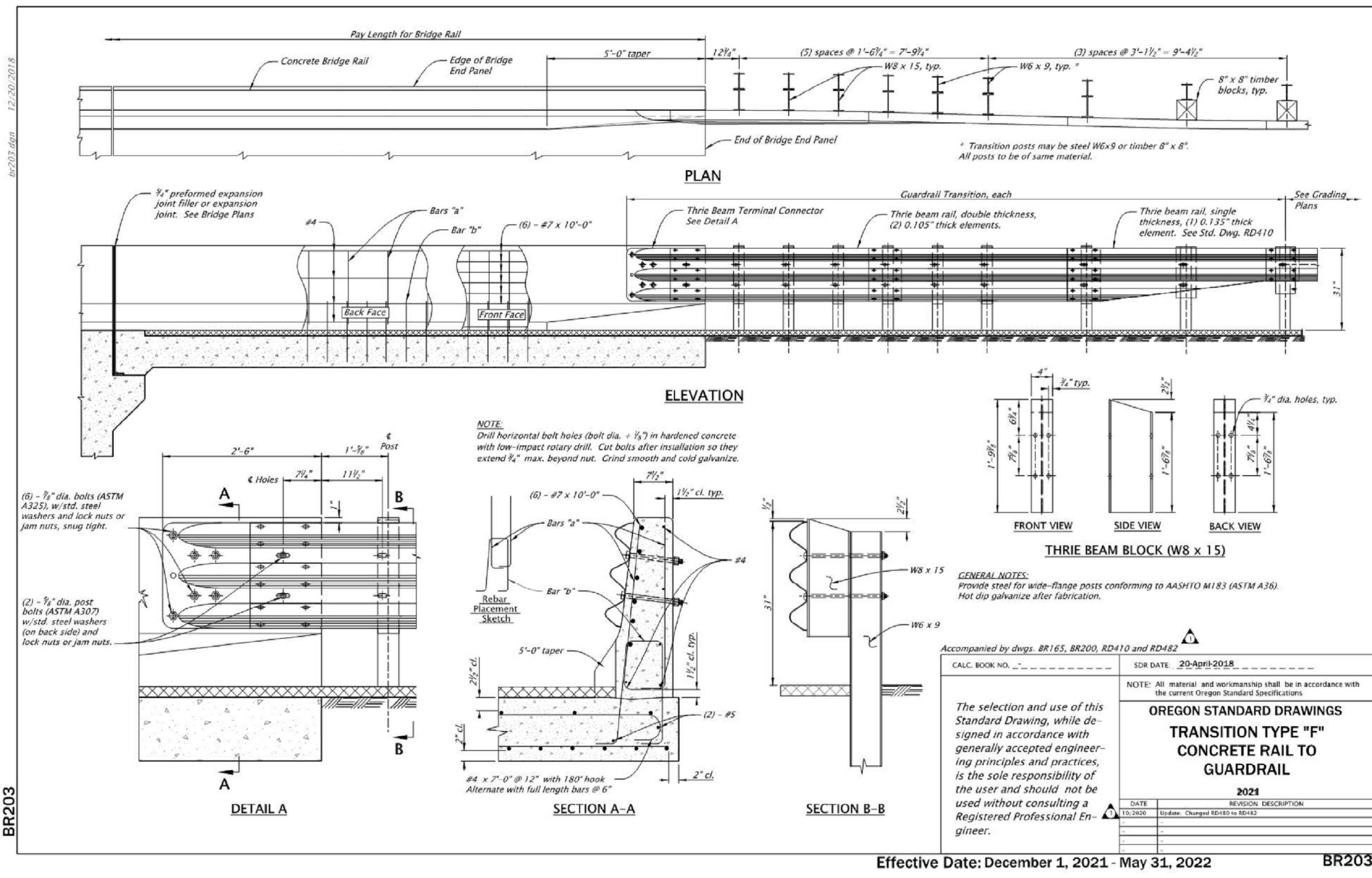
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West Linn, OR 97068
 NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS
C2.63
 STANDARD DRAWINGS - WEST LINN

SHEET NO.
 SHEET 47 OF 153
 RECORD NO. 2000067-47



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REVISION	DATE	DESCRIPTION

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West Linn, OR 97088
 NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS
 STANDARD DRAWINGS - ODOT

SHEET	48	OF	153
RECORD NO.	2000067-48		

W-BEAM GUARDRAIL
TYPES 2A & 3
 (For Type 3 use double thickness (2) rail elements)

METAL MEDIAN BARRIER (DOUBLE SIDED W/ CHANNEL RAIL)
 (See general note 3)

ALTERNATE INSTALLATION

TYPICAL INSTALLATION

W-BEAM GUARDRAIL ASSEMBLY

THRIE BEAM GUARDRAIL
TYPE 4 & 4 TRANSITION

INITIAL INSTALLATION

NORMAL RAIL ELEMENT DATA			
TYPE	RAIL	EFFECTIVE LENGTHS	GALG
2A	W-beam	6.25', 12.5', 25'	10 & 12
3	W-beam	6.25', 12.5', 25'	10 & 12
4	Thrie beam	6.25', 12.5', 25'	10 & 12
4 TRANSITION	Thrie beam	6.25'	10 & 12

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

- See appropriate guardrail standard drawing(s) for details not shown.
- When required by the plans, drainage curb alignment same as face of guardrail.
- Orient post bolts with the button head located on the side nearest the traffic lane. The bolt's threaded portion is not permitted to extend beyond limits of 1/2" to 3/4" from the face of the tightened nut; trim the treated portion as needed.
- Lap guardrail in direction of adjacent traffic.
- Final paved surfacing to extend to face of post. Rail height measured from final paved surface at face of rail (Typical all types). 1" tolerance.
- Wood block shall be toe-nailed to the post with 2 - 16d galvanized nails in top of block to prevent block rotation.
- Wood blocks shown. Blocks of an approved alternate material may be used. See ODOT's QPL.
- Existing posts shall not be raised. Replace posts as necessary to achieve required guardrail height.

CALC. BOOK NO. N/A | SDR DATE 13-JAN-2020

OREGON STANDARD DRAWINGS
MIDWEST GUARDRAIL SYSTEM TYPES

2021 | RD402

Effective Date: June 1, 2021 - November 30, 2021

W-BEAM WOOD POST
 (6x8 post shown)

W-BEAM WOOD BLOCK FOR WOOD POST
 (6x8 wood block shown)

THRIE BEAM WOOD POST
 (6x8 post shown)

THRIE BEAM WOOD BLOCK FOR WOOD POST
 (6x8 wood block shown)

GUARDRAIL WOOD POST TABLE			
GUARDRAIL TYPE	POST SIZE	POST LENGTH	POST SPACING
W-BEAM	2A	6"x8" or 8"x8"	6'-0" - 6'-3"
	3	8"x8"	6'-0" - 6'-3"
Metal median barrier		8"x8"	6'-0" - 6'-3"
THRIE BEAM	4	6"x8" or 8"x8"	7'-0" - 8'-3"
	4 (Transition)	8"x8"	6'-0" - 3'-1 1/2"

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

- See appropriate guardrail standard drawing(s) for details not shown.
- See Bridge Dwg. for bridge transition guardrail post end block requirements.
- Lowest hole(s) required only when channel rail is to be installed. Drill 1/2" below top 1/4" hole(s) used.
- Dimensions shown are for nominal posts and blocks.
- Wood blocks shown. Blocks of an approved alternate material may be used. See ODOT's QPL.
- When required by the plans, nested thrie beam wood post shall be 8"x8".
- Wood block shall be toe-nailed to the post with 2 - 16d galvanized nails in top of block to prevent block rotation.

CALC. BOOK NO. N/A | SDR DATE 13-JAN-2020

OREGON STANDARD DRAWINGS
MIDWEST GUARDRAIL SYSTEM WOOD POST AND BLOCK

2021 | RD403

Effective Date: June 1, 2021 - November 30, 2021

STEEL

WOOD

TYPE 2A, 3 OR METAL MEDIAN BARRIER

TYPE 2A, 3 OR METAL MEDIAN BARRIER WOOD BLOCK FOR STEEL POST

TYPE 4 OR TYPE 4 (TRANSITION) POST

TYPE 4 OR TYPE 4 (TRANSITION) BLOCK

TYPE 4 OR TYPE 4 (TRANSITION) POST

TYPE 4 OR TYPE 4 (TRANSITION) BLOCK

GUARDRAIL POST TABLE				
GUARDRAIL TYPE	POST SIZE		POST LENGTH	
	WOOD	STEEL *	WOOD	STEEL
1	6"x8" or 8"x8"	---	6'-0"	---
2A	6"x8" or 8"x8"	W6x9 or W6x8.5	6'-0"	6'-0" or 6'-0"
3	8"x8"	W6x9 or W6x8.5	6'-0"	6'-0"
Metal median barrier	8"x8"	W6x9 or W6x8.5	6'-0"	6'-0"
4	6"x8" or 8"x8"	W6x9 or W6x8.5	7'-0"	7'-0"
4 (Transition)	8"x8"	W6x9 or W6x8.5	6'-0"	6'-9"

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

- See appropriate guardrail standard drawing(s) for details not shown.
- See Bridge Dwg. for bridge transition guardrail post & block requirements. Multiple holes are not required in bridge transition rail posts.
- Posts and blocks to be pre-drilled for the intended guardrail installation.
- Post and block dimensions are nominal.
- Steel posts are shifted to accommodate bolt holes. Holes may be on left, right, or both sides of web.
- Wood blocks shown. Blocks of an approved alternate material may be used. See ODOT's QPL.

CALC. BOOK NO. N/A | SDR DATE 13-JAN-2020

OREGON STANDARD DRAWINGS
GUARDRAIL AND METAL MEDIAN BARRIER PARTS (29" RAIL HEIGHT)

2021 | RD405

Effective Date: June 1, 2021 - November 30, 2021

PLACEMENT OF GUARDRAILS ON SLOPES

CASE 1

CASE 2

CASE 3

CASE 4

PLACEMENT OF GUARDRAILS ON SLOPES

NOTE: Cases shown do not apply to terminals, transition sections or anchors.

CALC. BOOK NO. N/A | SDR DATE 19-JUL-2021

OREGON STANDARD DRAWINGS
PLACEMENT OF GUARDRAILS ON SLOPES

2021 | RD406

Effective Date: December 1, 2021 - May 31, 2022

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REVISION	DATE	DESCRIPTION

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 By Erich Lais at 1:11:55 PM, 05/31/2022



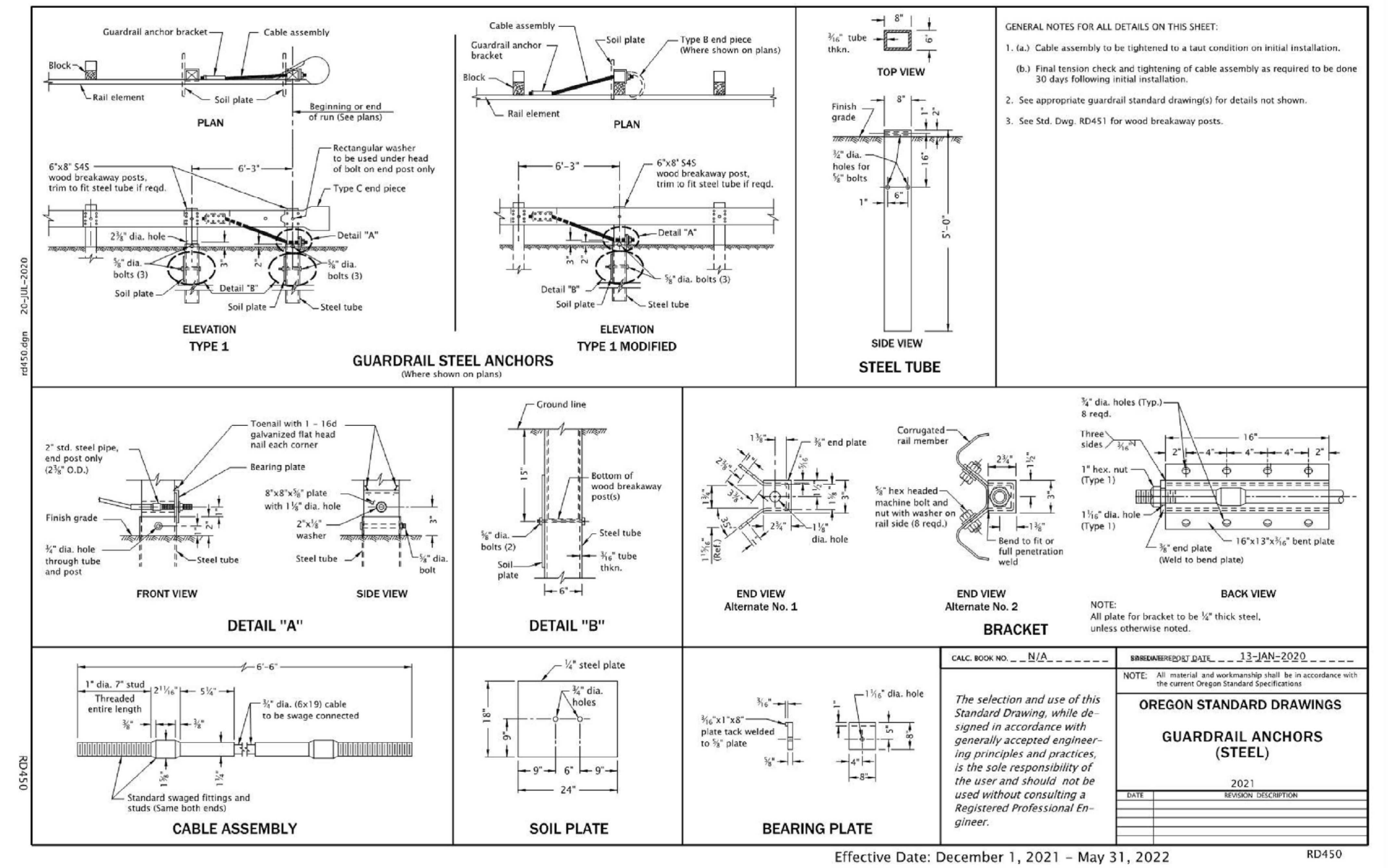
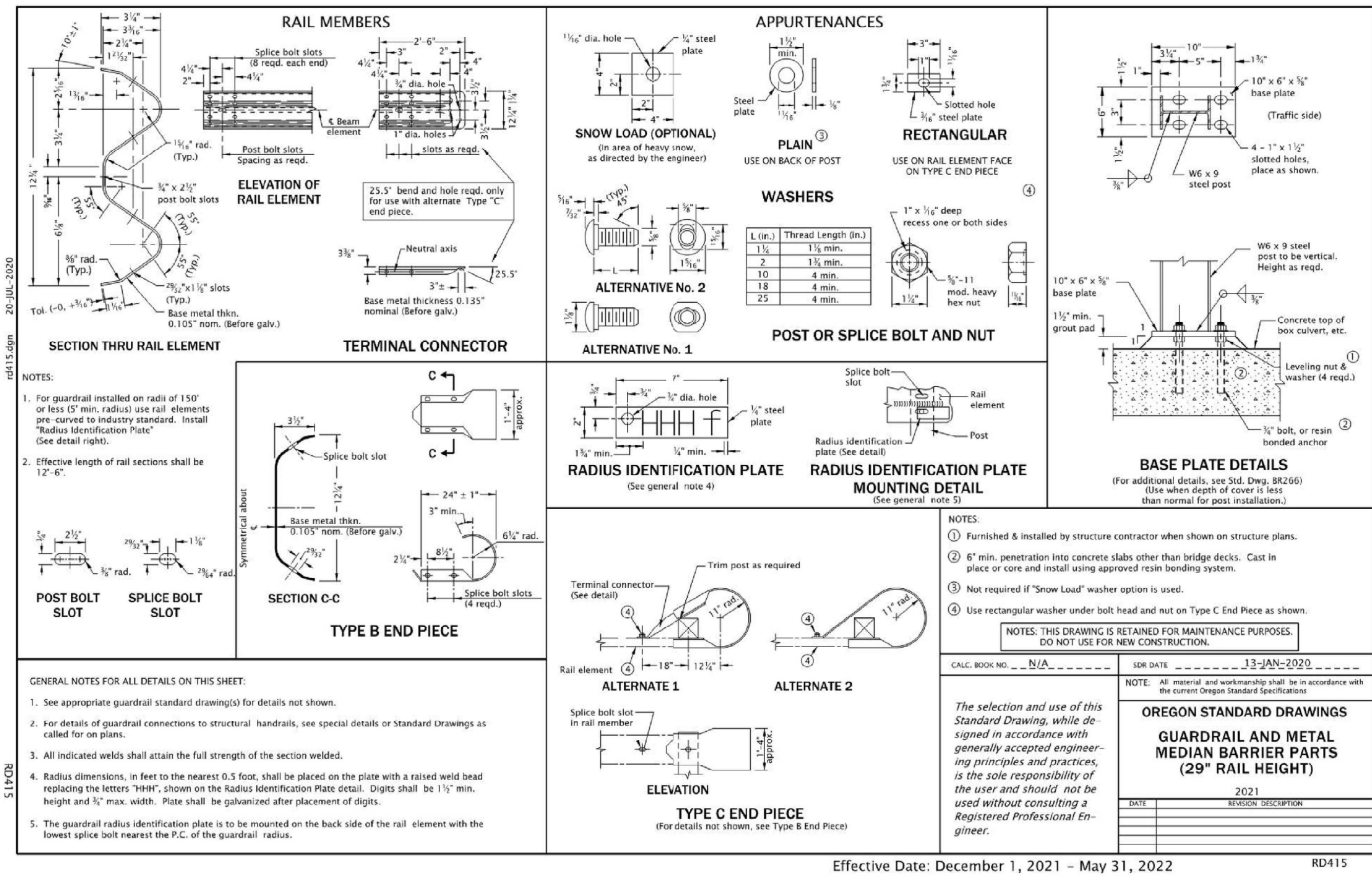
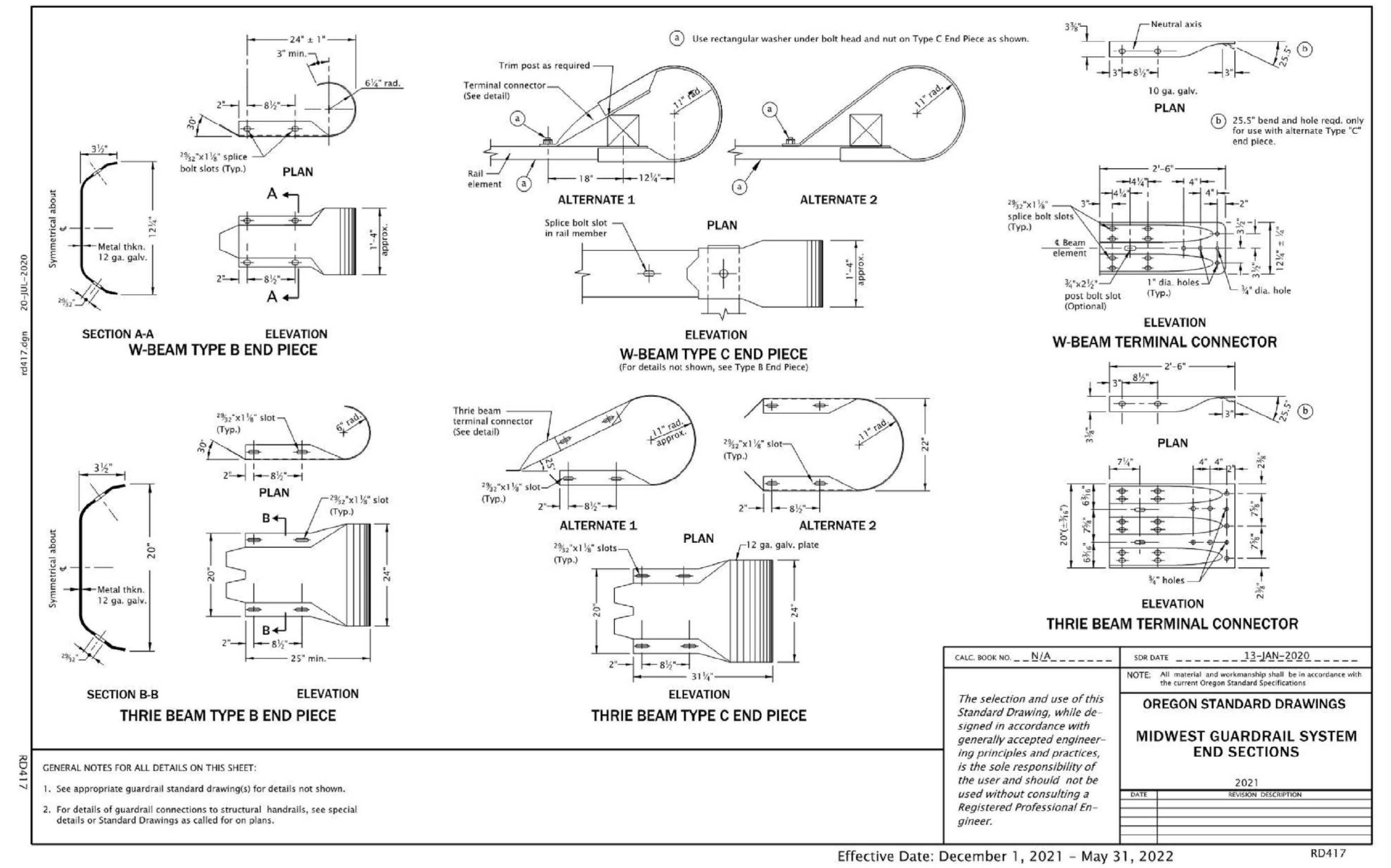
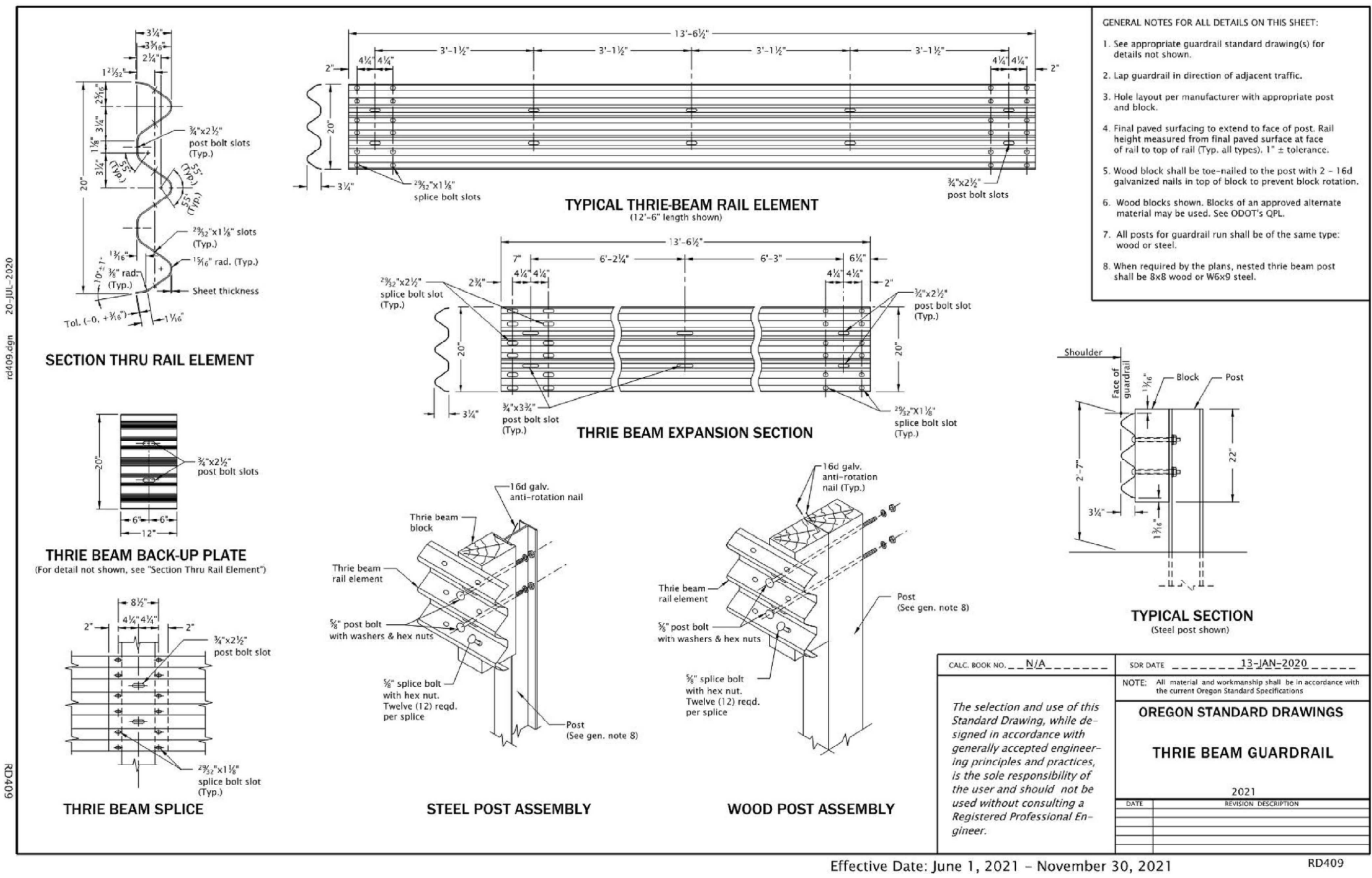
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West Linn, OR 97068
 NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS
 STANDARD DRAWINGS - ODOT

SHEET NO.
C2.65
 SHEET 49 OF 153
 RECORD NO. 2000067-49



File: N:\proj\2020\00067-Dollar-Street\MS\CAD\PLT\PUBLIC\RD409.dwg
 Plotted: 5/26/22 at 8:32am By: mmanzer
 22x34

REVISION	DATE	DESCRIPTION



REGISTERED PROFESSIONAL ENGINEER
 13,727
 DIGITALLY SIGNED 05/26/2022 11:05 AM
 OREGON
 JULY 16, 1981
 MARK B. WHARTY
 EXPIRES 6/30/2022

JOB No.:	2000067
DESIGNED BY:	LB/TK/MM/JG/NP
DRAWN BY:	SB/RC
CHECKED BY:	DP/CV
PLOT DATE:	5/26/22 8:32am
PLOTTED BY:	mmanzer
DWG NAME:	2000067-C2-11-DTL.dwg
TAB NAME:	C2.66

West Linn, OR 97068
 NEW ATHEY CREEK MIDDLE SCHOOL
 PUBLIC IMPROVEMENT PLANS
 STANDARD DRAWINGS - ODOT

SHEET	50	OF	153
RECORD NO.	2000067-50		

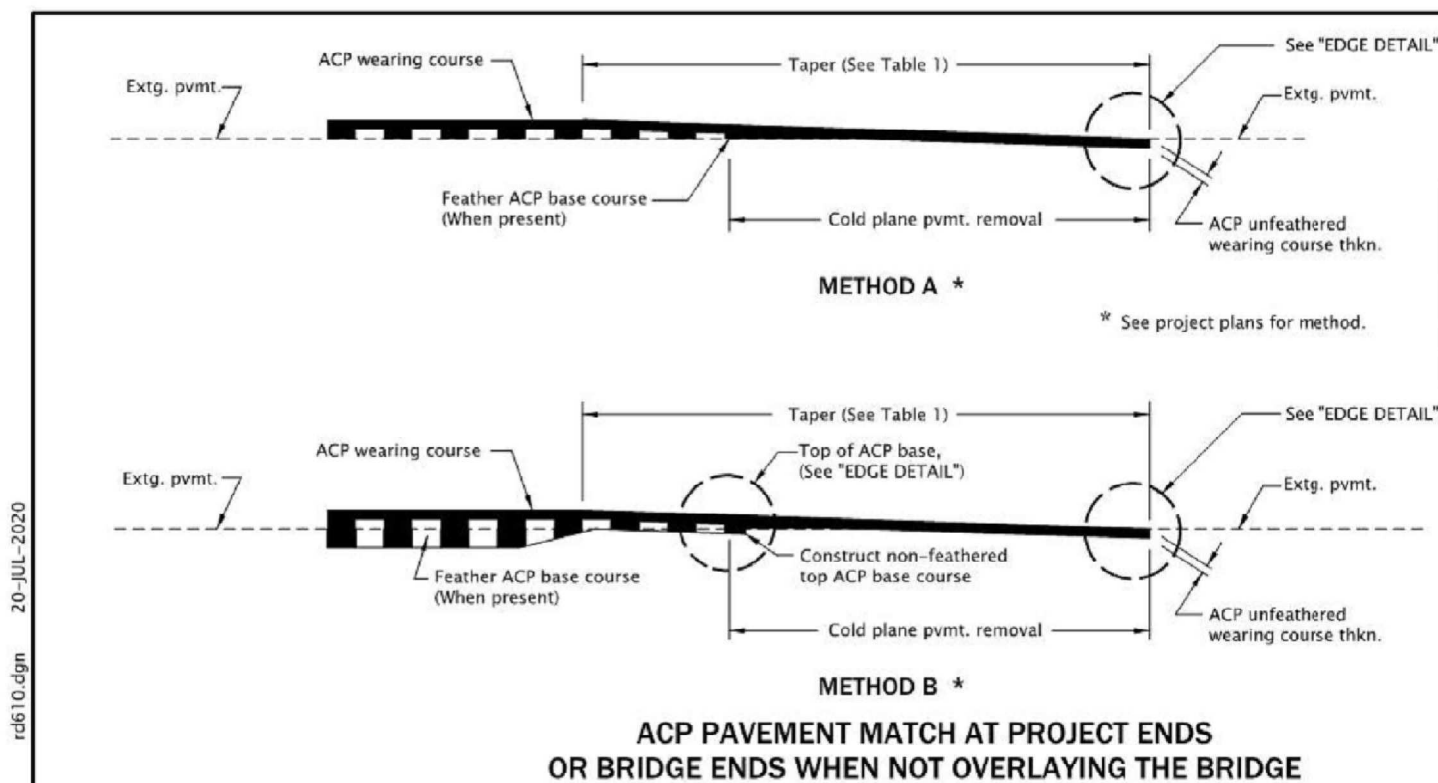
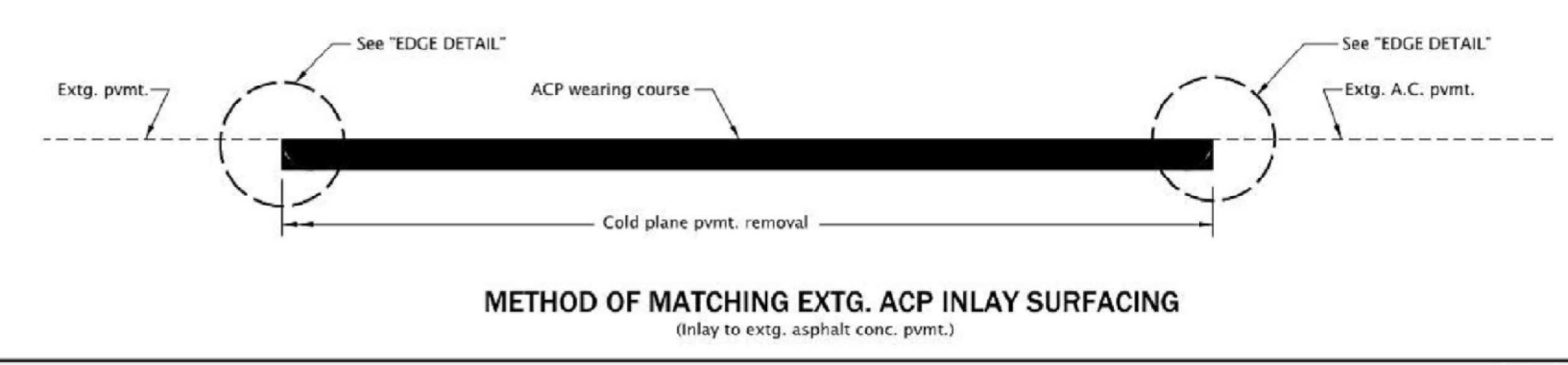
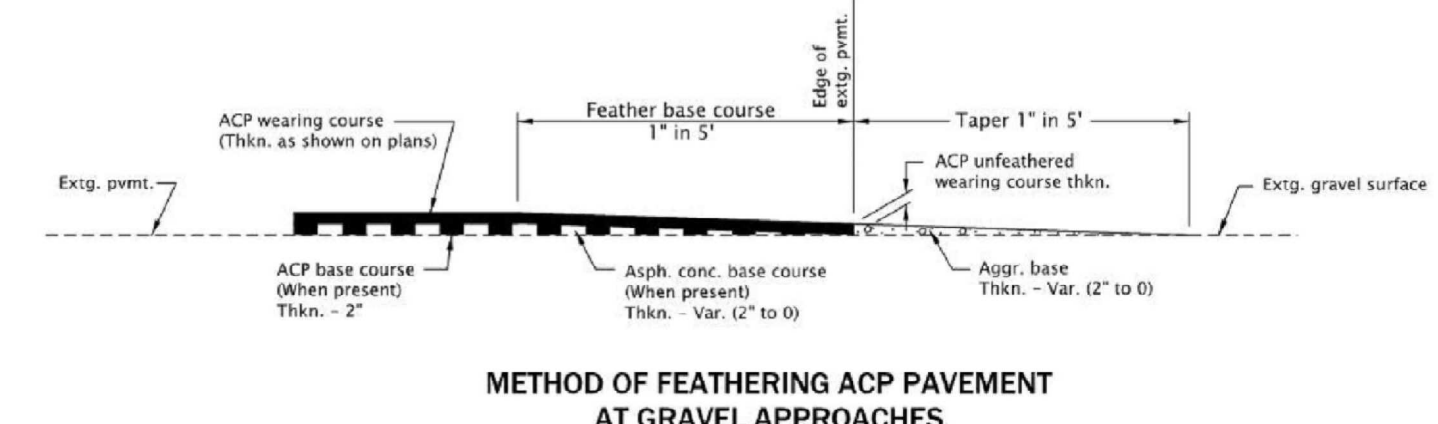
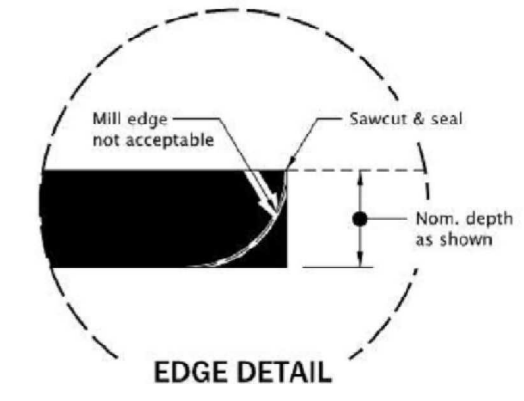


TABLE 1 TAPER LENGTHS	
Posted Speed	Taper Length
< 45 mph	1" per 50'
≥ 45 mph	1" per 100'



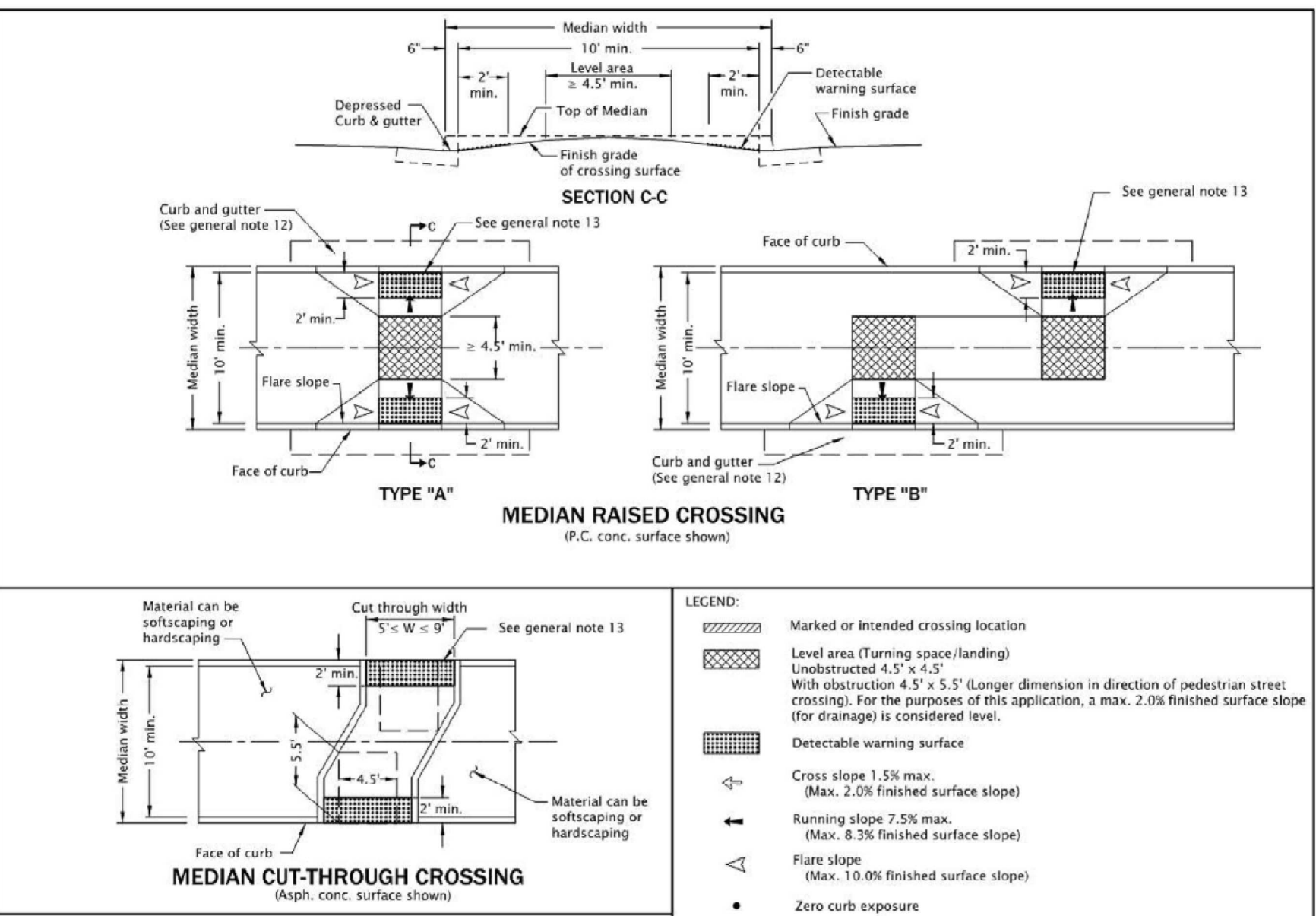
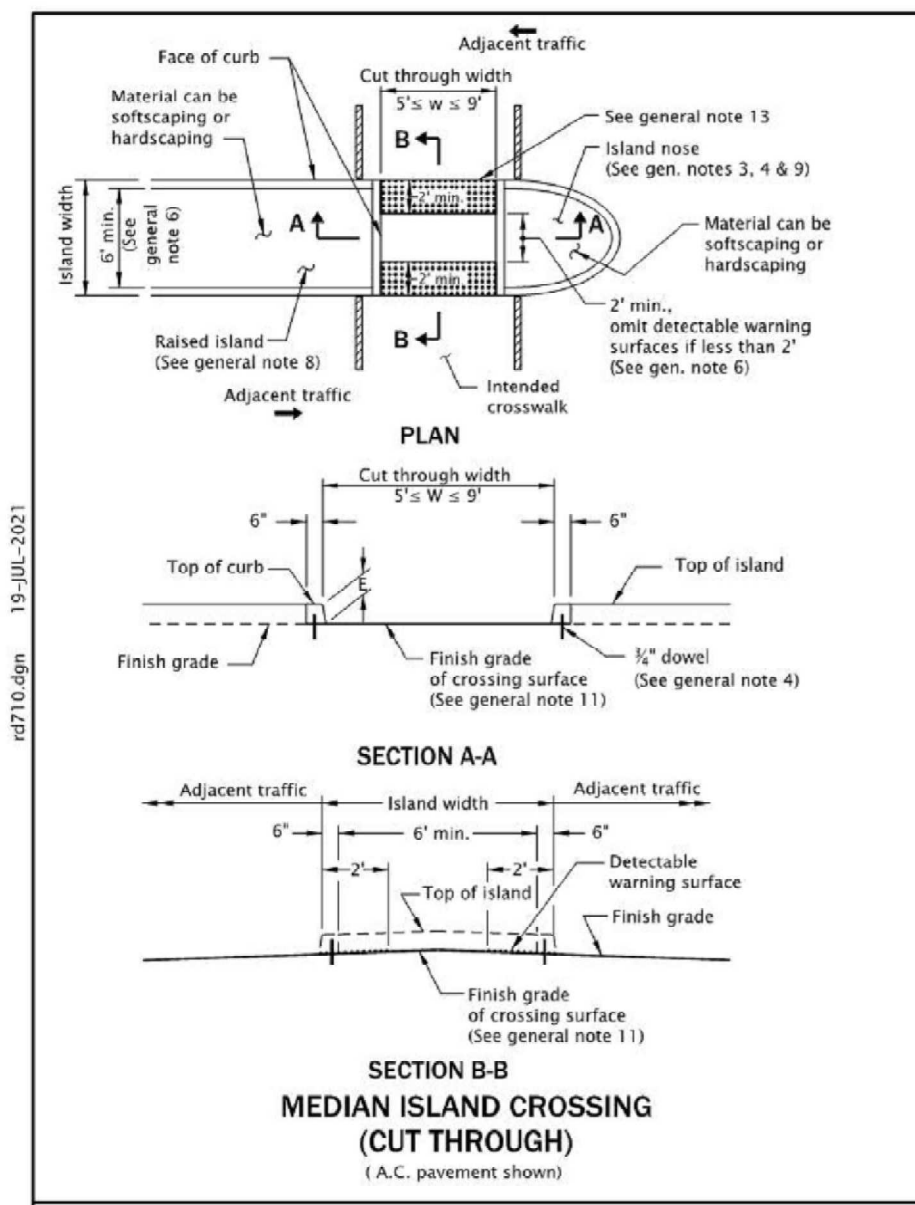
CALC. BOOK NO. N/A SER. DATE 25-JUL-2017

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications.

OREGON STANDARD DRAWINGS
ASPHALT CONCRETE PAVEMENT (ACP) DETAILS

DATE 2021

Effective Date: December 1, 2020 – May 31, 2021 RD610



LEGEND:

- Marked or intended crossing location
- Level area (Turning space/landing) Unobstructed 4.5' x 4.5'. With obstruction 4.5' x 5.5'. (Longer dimension in direction of pedestrian street crossing). For the purposes of this application, a max. 2.0% finished surface slope (for drainage) is considered level.
- Detectable warning surface
- Cross slope 1.5% max. (Max. 2.0% finished surface slope)
- Running slope 7.5% max. (Max. 8.0% finished surface slope)
- Flare slope (Max. 10.0% finished surface slope)
- Zero curb exposure
- Clear space 4.5' x 5.5' (Longer dimension in direction of pedestrian street crossing)

CALC. BOOK NO. N/A SER. DATE 19-JUL-2021

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications.

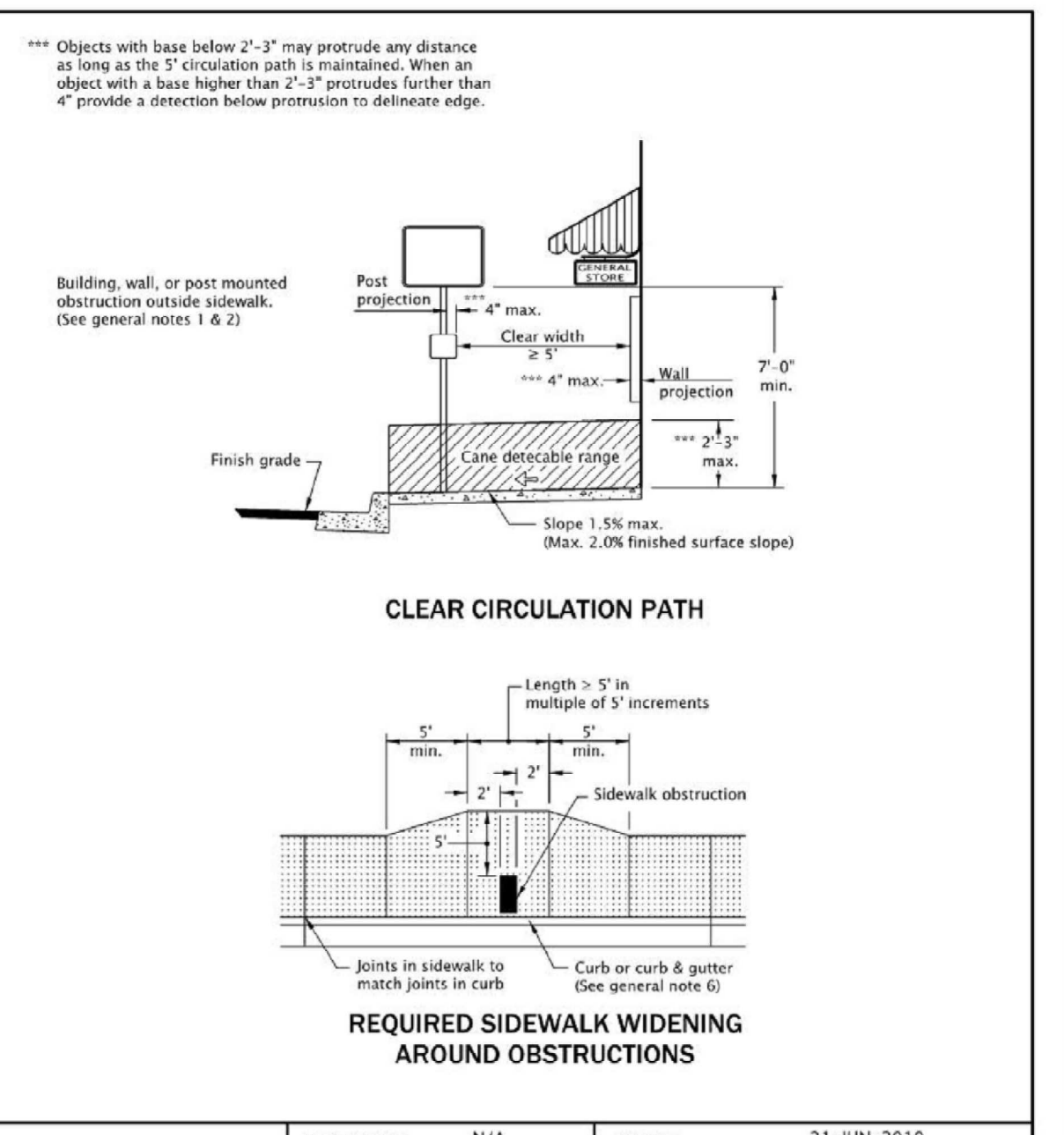
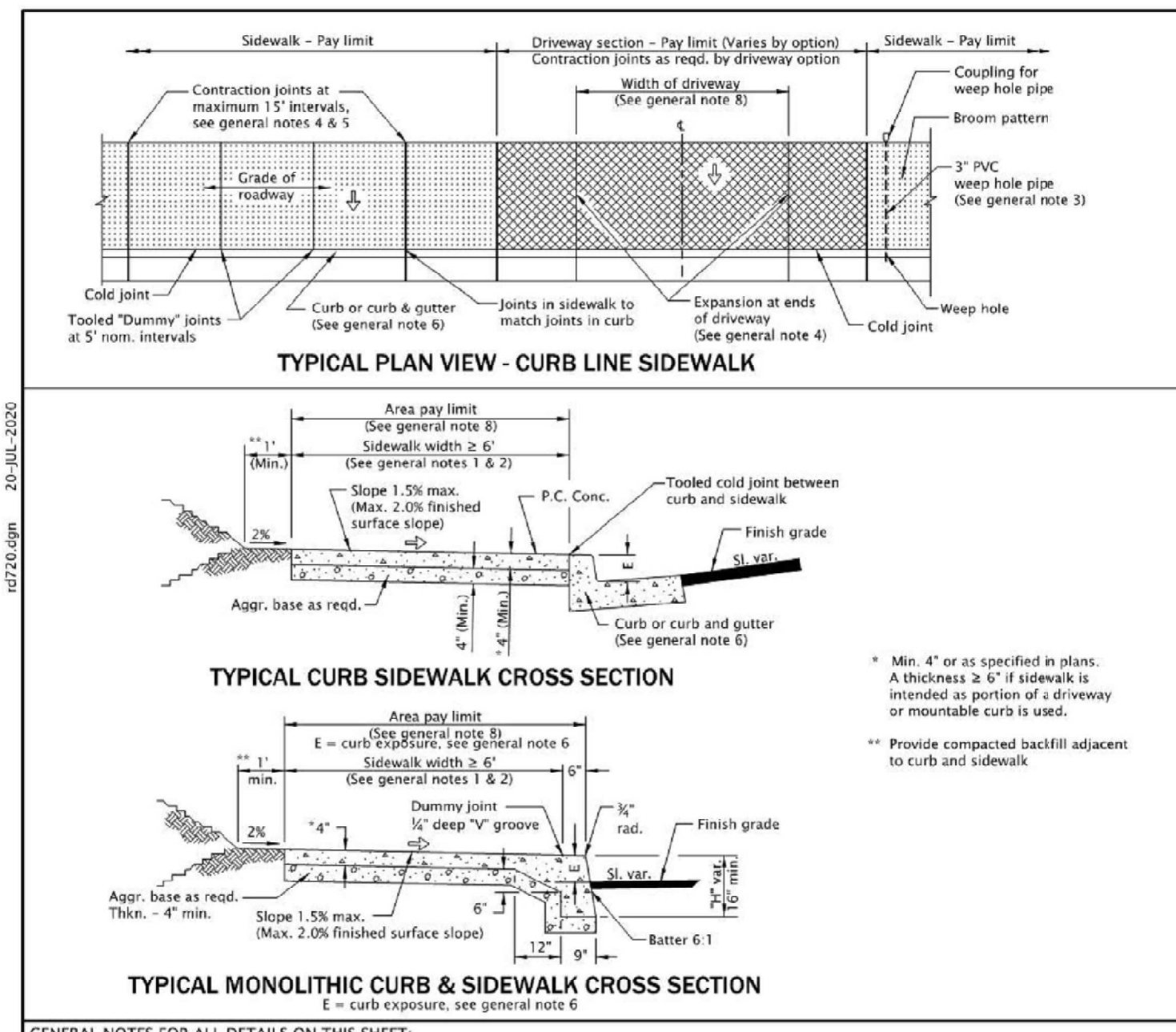
OREGON STANDARD DRAWINGS
ACCESSIBLE ROUTE ISLANDS

DATE 2021

Effective Date: December 1, 2021 – May 31, 2022 RD710

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

- Accessible route islands are based on applicable ODOT Standards.
- Place detectable warning surface at the back of curb for a minimum depth of 2 feet at curb ramp that is adjacent to traffic. For details not shown, see Std. Dwg. RD902 through RD908.
- The minimum area of islands that contain signal poles, pedestals, etc., shall be 75 square feet. Square feet to be measured to outer perimeter of entire island.
- For cut through islands, cover each island segment to the pavement with a minimum of two 1/2" diameter dowels. Dowel the nose section of the raised median island with a minimum of two 1/2" diameter dowels. Place dowels as directed. See Std. Dwg. RD705.
- Align curb ramps for lowered or partially lowered island and cut through island with the crosswalk.
- Detectable warning surfaces shall be separated by a 2-foot minimum length of walkway without detectable warnings. Where no curb, the detectable warning surface shall be placed at the edge of roadway.
- Grade breaks at the top and bottom of curb ramp runs shall be perpendicular to the direction of the ramp run. Grade breaks shall not be permitted on the surface of ramp runs and turning spaces. Surface slopes that meet at grade breaks shall be flush.
- Curb type and island width as shown on plans or as directed. Type A or Type CA islands are acceptable alternates, see Std. Dwg. RD705.
- See project plans for details not shown. See Std. Dwg. RD707 for island nose treatment. See Std. Dwg. RD709 for expansion and contraction joint spacing. See Std. Dwg. RD700, RD701, RD705, RD706 & RD755 for additional details. See TM Standard Drawings for signal pole, pedestrian pedestal, crosswalk markings, and related details.
- Details intended for pedestrian routes only. For multi-use path, see project plans for specific details.
- When crossing surface grade is ≤ 5%, a level area is not required.
- On or along state highways, curb and gutter is required at curb ramps.
- Raised islands in crossings shall have accessible ramps at both sides or be cut through with the street.



GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

- Include additional paved or unpaved 2' shy distance to vertical faces higher than 5' such as retaining walls, sound walls, fences and buildings.
- Curb type and sidewalk width as shown on plans or as directed.
- On sidewalks 8' and wider, provide a longitudinal joint at the midpoint.
- Install 3" pvc weep hole pipes in sidewalks where shown on plans, and allowed by jurisdiction. Place contraction joint over top of pipe. See Std. Dwg. RD700 for weep hole details.
- Provide expansion joints around poles, posts, boxes, at ends of each driveway, and other features which protrude through or against the structures. For sidewalk, monolithic curb & sidewalk, const. expansion joints at 45' maximum spacing. See Std. Dwg. RD722 for expansion joints details.
- Const. contraction joints at 15' maximum spacing, and at ends of each curb ramp. See Std. Dwg. RD722 for contraction joints details.
- For curb details, see Std. Dwg. RD700 & RD701. ODOT standard E-7.
- Sidewalk details are based on applicable ODOT standards.
- Fully lowered sidewalk shown. See project plans for the driveway design specified. For driveway details not shown, see Std. Dwg. RD725, RD730, RD735, RD740, RD745 & RD750.
- See project plans for details not shown.

LEGEND:

- Sidewalk pay limit.
- Driveway pay limit, varies by option. (See general note 6).
- Cross slope 1.5% max. (Max. 2.0% finished surface slope) (Normal sidewalk cross slope)

CALC. BOOK NO. N/A SER. DATE 21-JUN-2019

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications.

OREGON STANDARD DRAWINGS
CURB LINE SIDEWALKS

DATE 2021

Effective Date: December 1, 2020 – May 31, 2021 RD720

File: N:\proj\2020\000067-Dollar-Street-MS-CAD\PLT\PUBLIC\2000067-C2.11-DTL.dwg TAB: C2.67
Plotted: 5/26/22 at 8:33am By: mmanzer

REVISION	DATE	DESCRIPTION

APPROVED
By Erich Lais at 1:12:17 PM, 05/31/2022



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JOB No.: 2000067
DESIGNED BY: LB/TK/MM/JG/NP
DRAWN BY: SB/RC
CHECKED BY: DP/CV
PLOT DATE: 5/26/22 8:33am
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DWG NAME: 2000067-C2.11-DTL.dwg
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West Linn, OR 97088
NEW ATHEY CREEK MIDDLE SCHOOL
PUBLIC IMPROVEMENT PLANS
STANDARD DRAWINGS - ODOT

SHEET NO.
C2.67
SHEET 51 OF 153
RECORD NO. 2000067-51

