

CITY OF PORT TOWNSEND APPROVES THE PLANS AND SPECIFICATIONS

Steve King

Steve King, PE, Public Works Director

SEC. 9 & 10, T. 30 N., R. 1 W., W.M.

DISCOVERY ROAD BIKEWAY ROADWAY & SIDEWALK PROJECT

FROM RAINIER STREET TO McCLELLAN STREET

JEFFERSON COUNTY

PORT TOWNSEND, WA

FEDERAL-AID HIGHWAY PROGRAM STPUS-7627(001)

PEDESTRIAN & BICYCLE SAFETY PROGRAM 2018

TRANSPORTATION IMPROVEMENT BOARD 8-2-151(004)-1

CITY WORK ORDER #1025, 6033, 7033, 8017

GENERAL CONDITIONS

- 1. A PRE-CONSTRUCTION MEETING SHALL BE HELD WITH THE CITY PRIOR TO THE START OF CONSTRUCTION.
2. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CITY OF PORT TOWNSEND STANDARDS...
3. TEMPORARY EROSION CONTROL MEASURES ARE REQUIRED AND SHALL COMPLY WITH THE STORMWATER CODE AND WSDOT/APWA SPECIFICATION 1-07.15 AS FOLLOWS:
3.1. ALL PERMANENT STORAGE AND RETENTION/DETENTION AREAS USED AS PART OF THE TEMPORARY EROSION CONTROL AND WATER POLLUTION/FLOOD ACTIVITIES AND CONVEYANCE SYSTEMS SHALL BE CLEANED OF ALL SILTS, SAND AND OTHER MATERIALS FOLLOWING COMPLETION OF CONSTRUCTION...
4. THE DESIGN SHOWN IS BASED UPON THE ENGINEER'S UNDERSTANDING OF THE EXISTING CONDITIONS...
5. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES...
6. ALL NON-FERROUS PIPE AND SERVICES SHALL BE INSTALLED WITH CONTINUOUS TRACER TAPE...
7. TEMPORARY STREET PATCHING MAY BE ALLOWED WITH THE APPROVAL OF THE CITY ENGINEER...
8. THE CONTRACTOR SHALL HAVE A COPY OF THE APPROVED PLANS AND PERMITS AT THE CONSTRUCTION SITE AT ALL TIMES.
9. SPECIAL STRUCTURES SHALL BE INSTALLED PER PLANS AND MANUFACTURERS' RECOMMENDATIONS.
10. ALL DISTURBED AREAS SHALL RECEIVE TEMPORARY AND PERMANENT EROSION CONTROL...
11. CONSTRUCTION WORK (INCLUDING DELIVERIES) HOURS SHALL BE RESTRICTED TO 7 A.M. TO 6 P.M., MONDAY THROUGH FRIDAY...
12. THE CITY PUBLIC WORKS INSPECTOR SHALL BE NOTIFIED A MINIMUM OF 24 HOURS IN ADVANCE OF THE NEED FOR AN INSPECTION...

CONSULTANTS

SCJ ALLIANCE
8730 TALLON LANE NE. STE 200
LACEY, WA 98516
(360) 352-1465
CONTACT: SCOTT SAWYER, P.E.

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1261A 120TH AVE NE
BELLEVUE, WA 98005
(425) 598-2200
CONTACT: DAVID A. PEEBLER, P.L.S.

OWNER/APPLICANT

CITY OF PORT TOWNSEND:
250 MADISON STREET
PORT TOWNSEND, WA 98368
PH: (360) 379-4432
CL: (360) 774-3017
CONTACT: LAURA PARSONS, PE
lparsons@cityofpt.us

URBAN DESIGN:
MACLEOD RECKORD
110 PREFONTAINE PLACE SOUTH
SEATTLE, WA 98104
PH: (206) 323-7919
CONTACT: CONNIE RECKORD
connier@macleodreckord.com

UTILITIES

POWER:
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OF JEFFERSON COUNTY
(360) 302-0467
CONTACT: SCOTT BANCROFT
sbancroft@jeffpud.org

PHONE:
LUMEN
(253) 313-3666
CONTACT: RAY JONES
raymond.c.jones@lumen.com

STORMWATER/WASTEWATER/STREET:
CITY OF PORT TOWNSEND
(360) 531-4029
CONTACT: BRIAN REID
breid@cityofpt.us

WATER:
CITY OF PORT TOWNSEND
(360) 301-1023
CONTACT: RICH KIESEL
rkiesel@cityofpt.us
(360) 379-5001
IAN JABLONSKI
ijablonski@cityofpt.us

CABLE:
ASTOUND
POWERED BY WAVE BROADBAND
(360) 912-7092
CONTACT: MIKE STURGEON
mike.sturgeon@astound.com

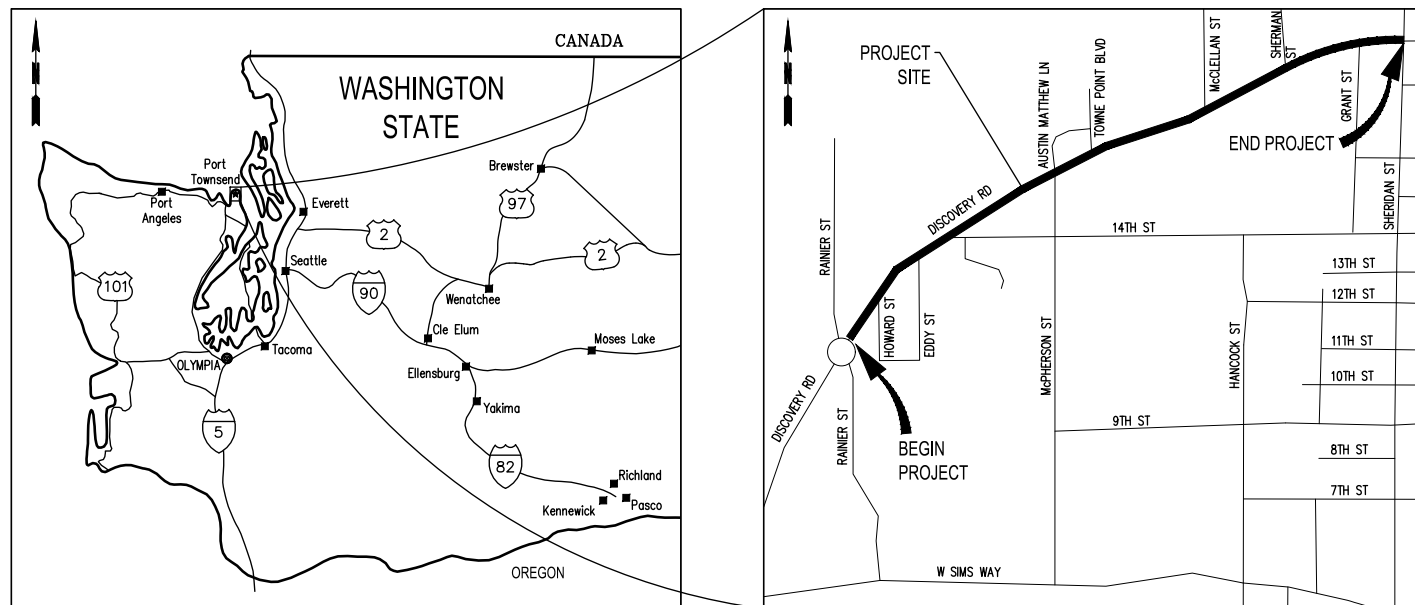
VERTICAL DATUM

VERTICAL DATUM: NAVD88
(PORT TOWNSEND #0010951, ELEV = 256.47') FOUND MONUMENT IN CASE
(PORT TOWNSEND #0011062, ELEV = 168.46') FOUND MONUMENT IN CASE
PUBLISHED IN WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
SURVEY INFORMATION SYSTEM.

HORIZONTAL DATUM

CITY OF PORT TOWNSEND GEODETIC CONTROL NETWORK PLAN (1997) DERIVED FROM
THE WASHINGTON STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NAD83(91), US
SURVEY FOOT, AS RECORDED IN RECORD OF SURVEY, VOLUME 19, PAGES 61-70,
RECORDS OF JEFFERSON COUNTY, WA.

THIS SURVEY WAS PERFORMED USING LEICA GS14 GPS AND LEICA MS60 TOTAL
STATION.



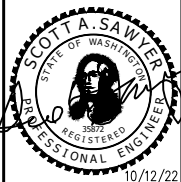
SHEET INDEX table with columns: SHEET NO., SHEET REF., DESCRIPTION, STA. BEGIN, STA. END. Lists sheets 1 through 71 covering various project components like cover sheet, alignment, sections, erosion control, removal, paving, and construction sequencing.

04_12_2022 1:52:40pm - User: mitch_wright
V:\PROJECTS\0699_0117_CITY OF PORT TOWNSEND\0699_14 DISCOVERY ROAD BIKEWAY AND SIDEWALKS\CADD\0699_14 CV-01.DWG

BID SET

Table with columns: REVISIONS, DATE, BY, DESIGNED BY, DRAWN BY, CHECKED BY, ISSUE DATE, JOB No., DRAWING FILE No.

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED



SCJ ALLIANCE CONSULTING SERVICES logo and address: 8730 TALLON LANE NE, SUITE 200, LACEY, WASHINGTON 98516



DISCOVERY ROAD BIKEWAY ROADWAY & SIDEWALK PROJECT PORT TOWNSEND, WA COVER SHEET

DRAWING No.: CV-1 SHEET No.: 1 OF 71

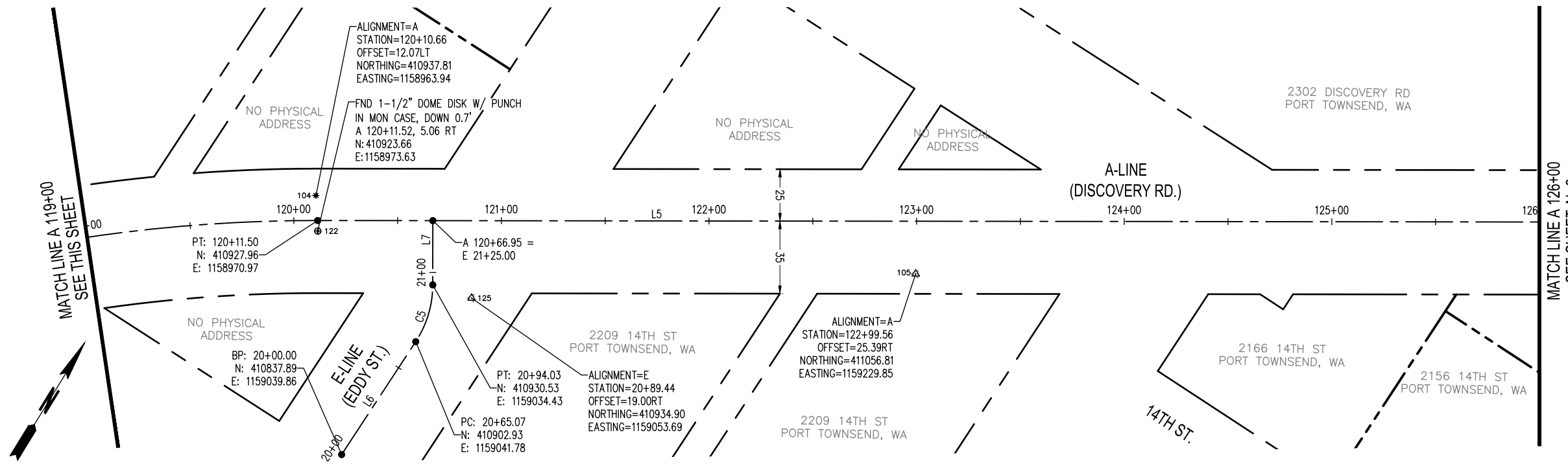
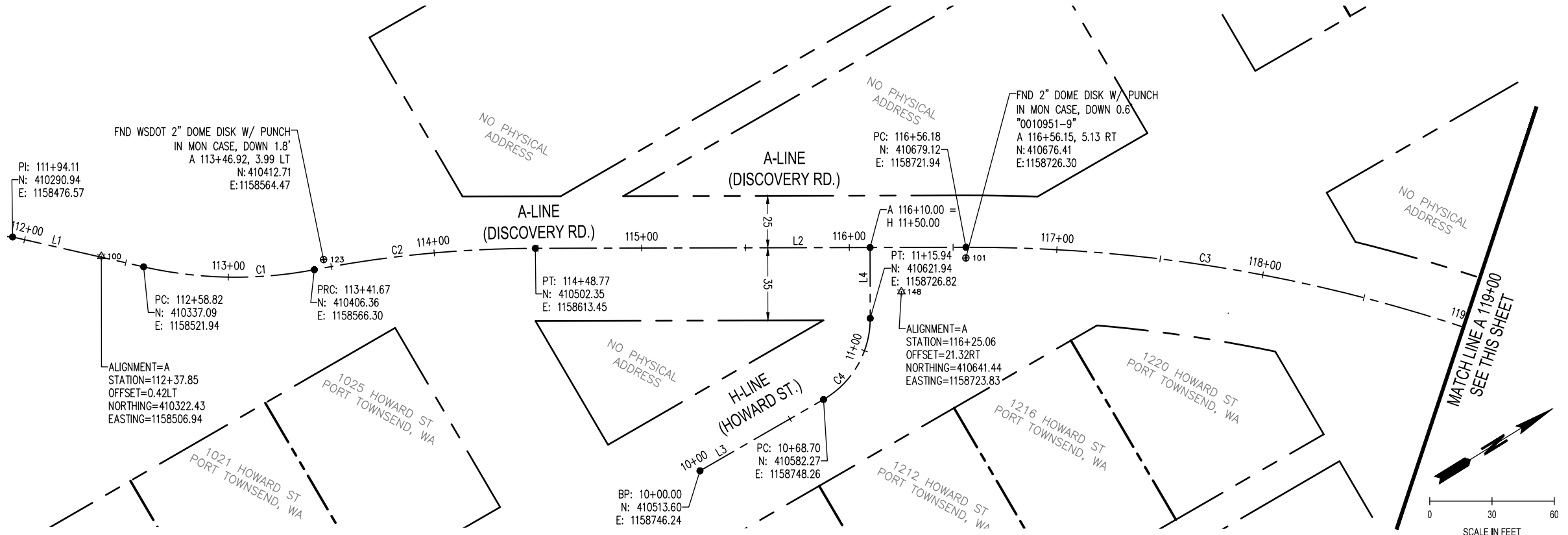
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LEGEND

	RIGHT OF WAY
	ALIGNMENT
	MAG NAIL
	MONUMENT
	REBAR W/ CAP

Curve #	RADIUS	LENGTH	DELTA	PC	PT
C1	200.00	82.85	23°44'03"	112+58.82	113+41.67
C2	570.00	107.10	10°45'56"	113+41.67	114+48.77
C3	755.00	355.31	26°57'50"	116+56.18	120+11.50
C4	45.00	47.24	60°08'32"	10+68.70	11+15.94
C5	50.00	28.96	33°11'16"	20+65.07	20+94.03
C6	4004.95	746.64	10°40'54"	127+03.13	134+49.77
C7	45.00	20.40	25°58'44"	31+63.88	31+84.29
C8	75.00	19.15	14°37'53"	40+56.40	40+75.55
C9	3505.04	428.36	7°00'08"	135+43.87	139+72.23
C10	1400.00	306.34	12°32'14"	141+71.78	144+78.12
C11	115.00	41.92	20°53'08"	60+73.09	61+15.01
C12	450.00	213.94	27°14'21"	152+55.11	154+69.04

LINE #	DISTANCE	BEARING
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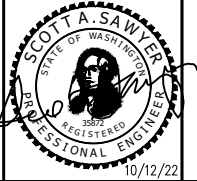


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REVISIONS	DATE	BY

DESIGNED BY: M WEYRAUCH	ISSUE DATE: 10/22/2022
DRAWN BY: N MAYFIELD	JOB No.: 0699.14
CHECKED BY: S SAWYER	DRAWING FILE No.: 0699.14 AL-01

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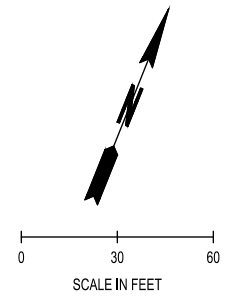


DISCOVERY ROAD
BIKEWAY ROADWAY & SIDEWALK PROJECT
PORT TOWNSEND, WA
ALIGNMENT PLAN
A 112+00 - A 126+00

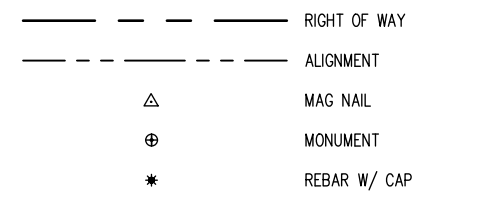
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SHEET No.:
3 OF 71

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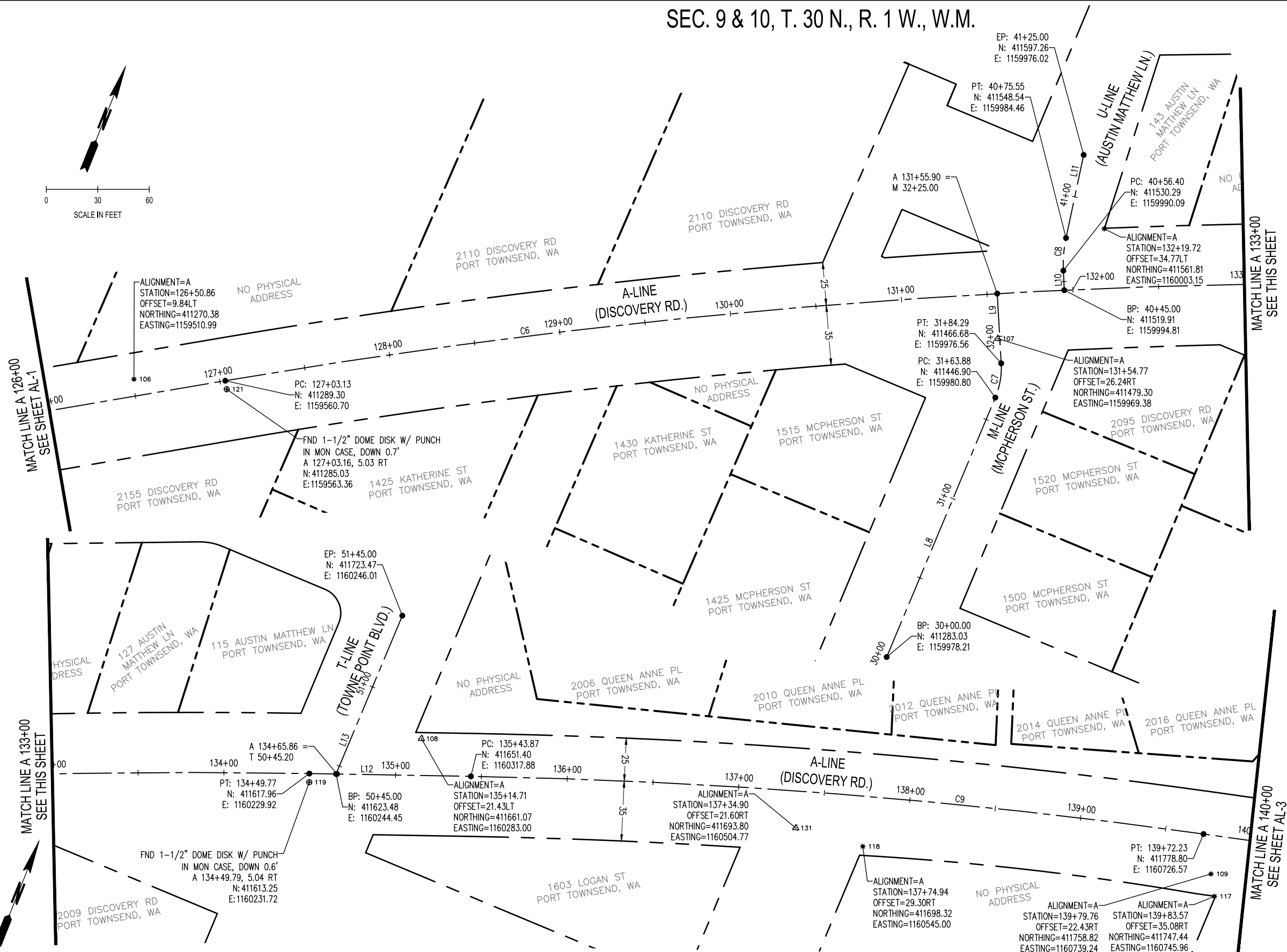


ALIGNMENT CURVE TABLE

Curve #	RADIUS	LENGTH	DELTA	PC	PT
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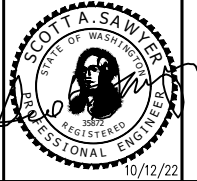


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			S SAWYER	0699.14 AL-01

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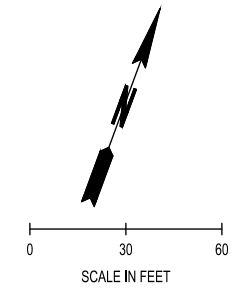
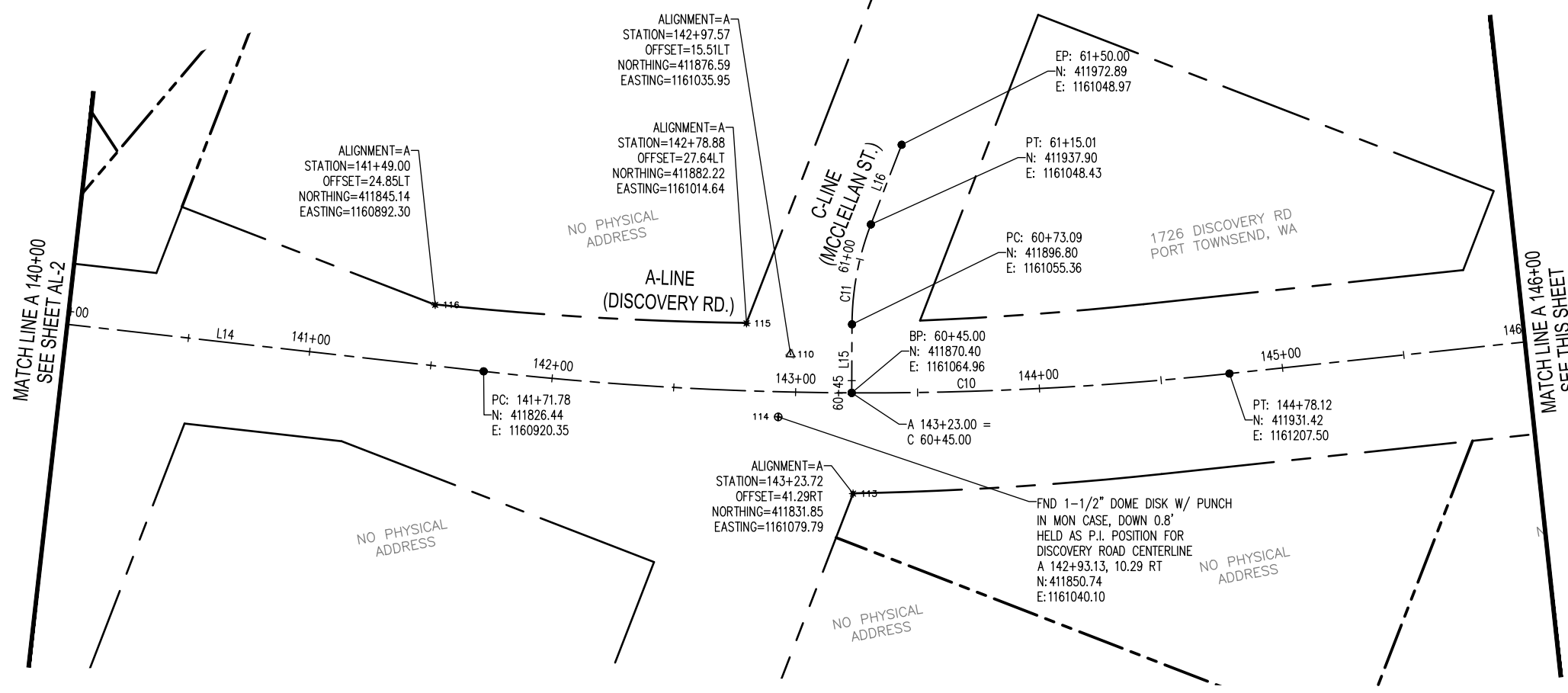
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PORT TOWNSEND, WA
ALIGNMENT PLAN
A 126+00 - A 140+00

DRAWING No.: AL-2
SHEET No.: 4 OF 71

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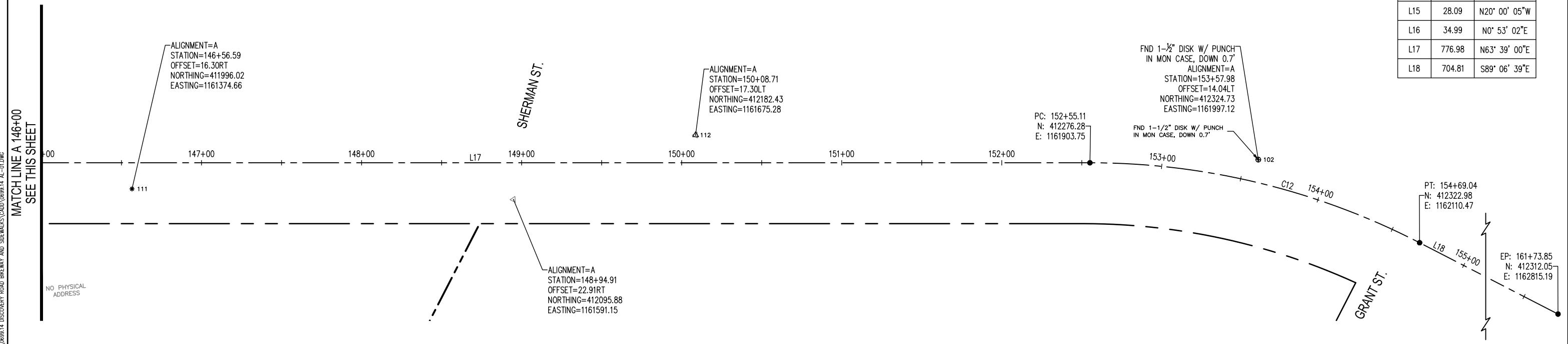
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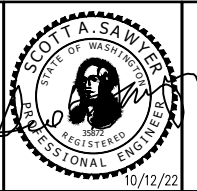


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REVISIONS	DATE	BY	DESIGNED BY:	ISSUE DATE:
			M WEYRAUCH	10/22/2022
			DRAWN BY:	JOB No.:
			N MAYFIELD	0699-14
			CHECKED BY:	DRAWING FILE No.:
			S SAWYER	0699-14 AL-01

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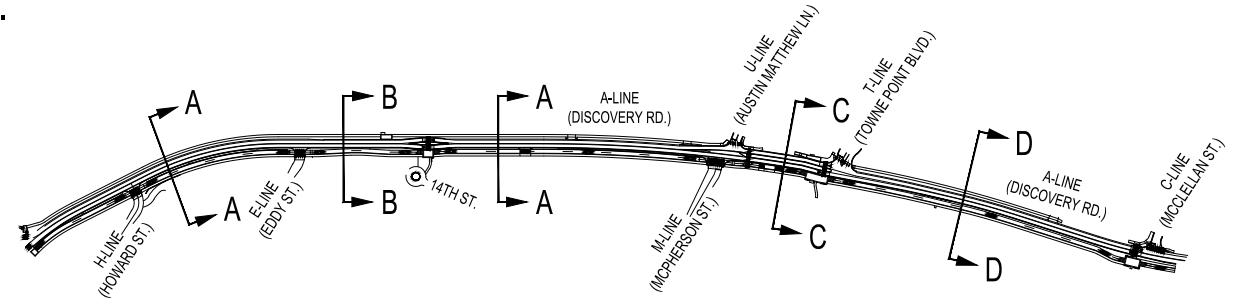
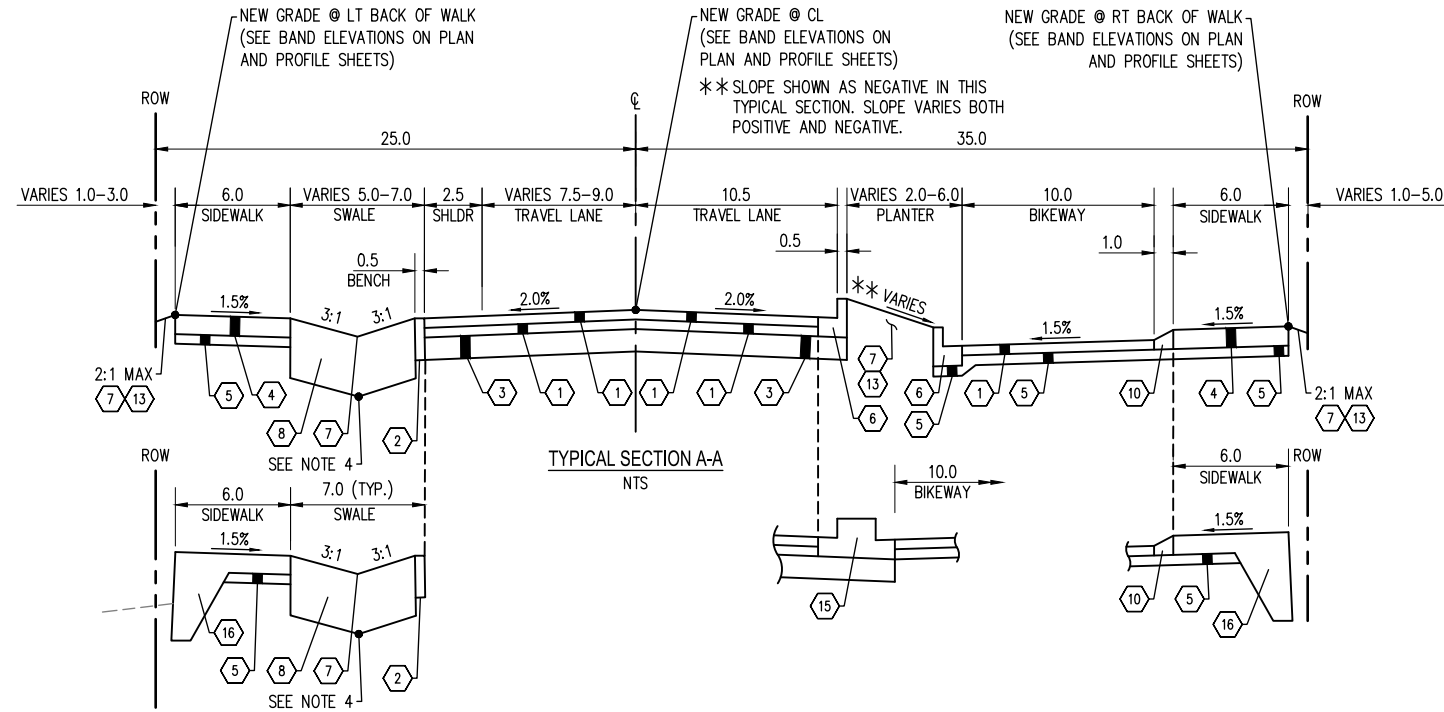
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DISCOVERY ROAD
BIKEWAY ROADWAY & SIDEWALK PROJECT
PORT TOWNSEND, WA
ALIGNMENT PLAN
A 140+00 - A 155+00

DRAWING No.: AL-3
SHEET No.: 5 OF 71

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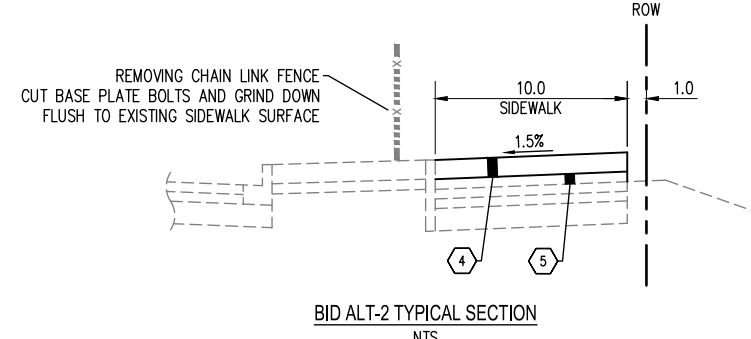
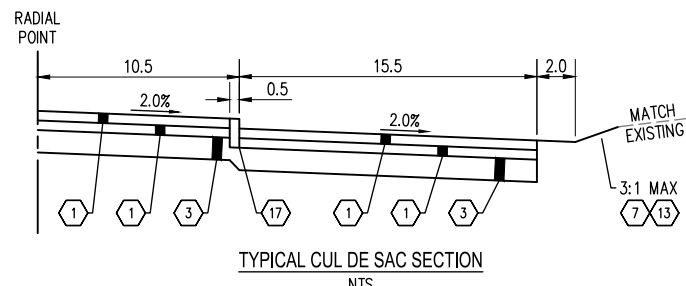
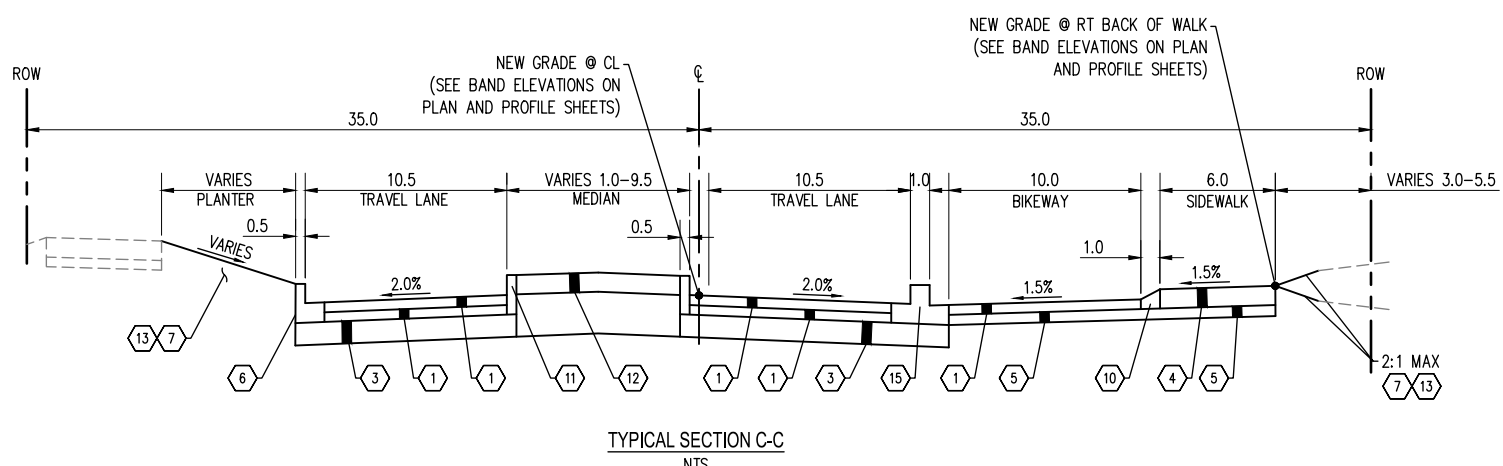
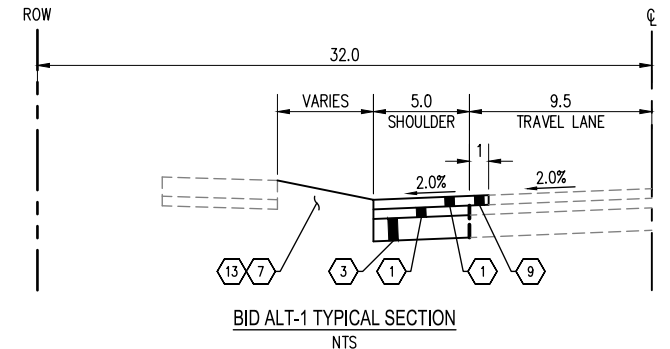
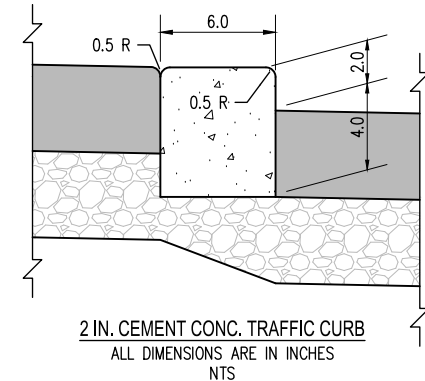
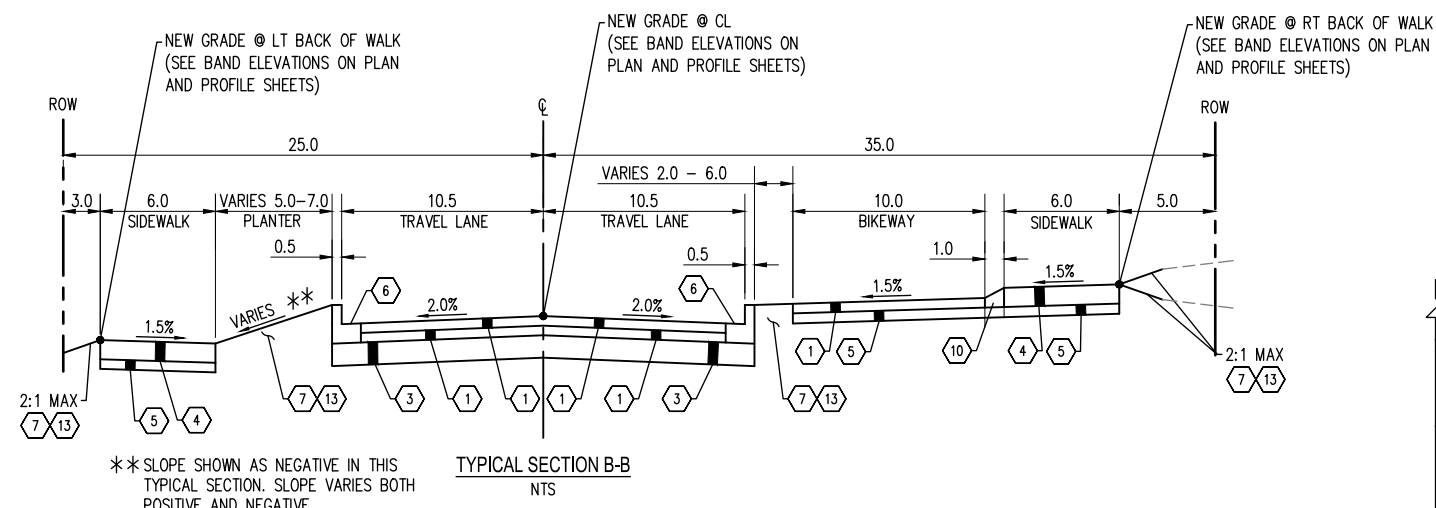
ROADWAY SECTION KEY NOTES:

- 1 2" HMA CLASS 1/2" PG 58H.
- 2 11" CRUSHED SURFACING BASE COURSE (CSBC).
- 3 7" CRUSHED SURFACING BASE COURSE (CSBC).
- 4 4" CEMENT CONC. SIDEWALK (PER WSDOT STANDARD PLAN F-30.10).
- 5 2" CRUSHED SURFACING TOP COURSE (CSTC).
- 6 CEMENT CONC. TRAFFIC CURB AND GUTTER (PER WSDOT STANDARD PLAN F-10.12).
- 7 SEEDING, FERTILIZING, AND MULCHING.
- 8 18" TOPSOIL TYPE A BIOFILTRATION
- 9 PLANING BITUMINOUS PAVEMENT AND PLACE 2" HMA CLASS 1/2 IN. PG 58H AS PART OF FINAL WEARING COURSE.
- 10 2" CEMENT CONC. WEDGE CURB SEE DETAIL ON SHEET XS-2.
- 11 CEMENT CONC. TRAFFIC CURB (PER WSDOT STANDARD PLAN F-10.12).
- 12 6" TEXTURED AND PIGMENTED CEMENT CONC. PAVEMENT

- 13 6" TOPSOIL TYPE A
- 14 GRAVITY BLOCK WALL, SEE SPECIAL PROVISIONS
- 15 DUAL-FACED CEMENT CONC. TRAFFIC CURB (PER DETAIL ON SHEET XS-2)
- 16 MONOLITHIC CEMENT CONC. CURB AND SIDEWALK (PER DETAIL ON SHEET XS-2)
- 17 2" CEMENT CONC. TRAFFIC CURB (PER DETAIL ON SHEET XS-1)

GENERAL NOTES:

1. ALL SURFACING AND PAVING DEPTHS ARE COMPACTED DEPTHS.
2. NST = NO STEEPER THAN.
3. NTS = NOT TO SCALE.
4. HORIZONTAL LOCATION OF DITCH BOTTOM IS VARIABLE. USE 3:1 SLOPES THAT MEET FROM SIDEWALK AND EDGE OF GRAVEL.

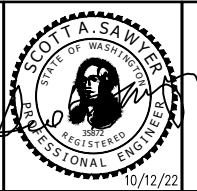


04/12/2022 1:54:03pm - User: mitch_wright - User Projects: 069914 DISCOVERY ROAD BIKEWAY AND SIDEWALKS (ADD) 069914 XS-01.DWG

BID SET

REVISIONS	DATE	BY	DESIGNED BY:	ISSUE DATE:
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			DRAWN BY:	JOB No.:
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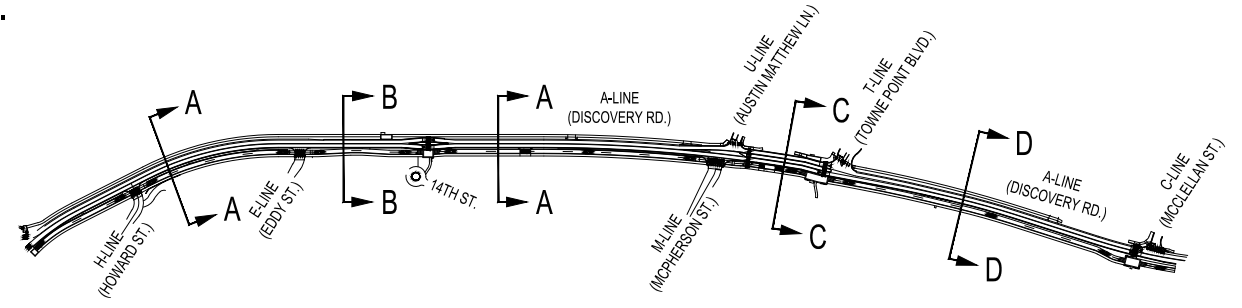
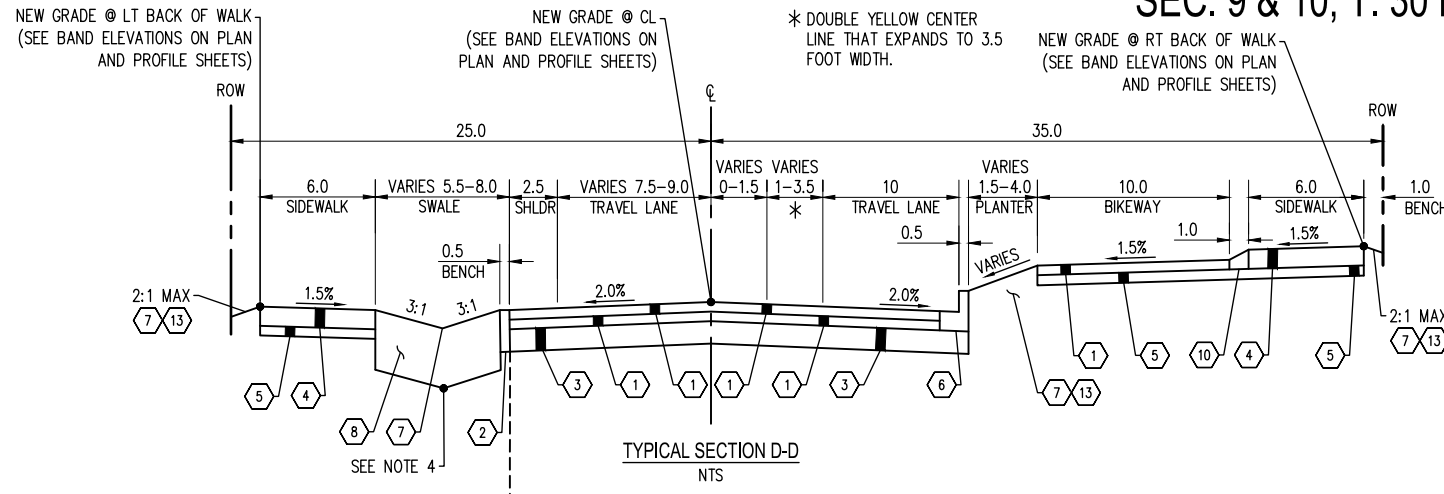
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PORT TOWNSEND, WA
TYPICAL SECTIONS

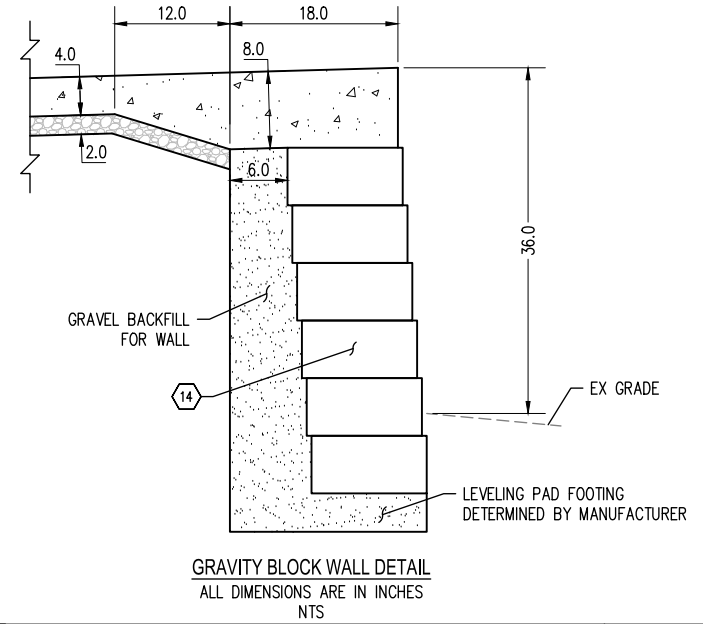
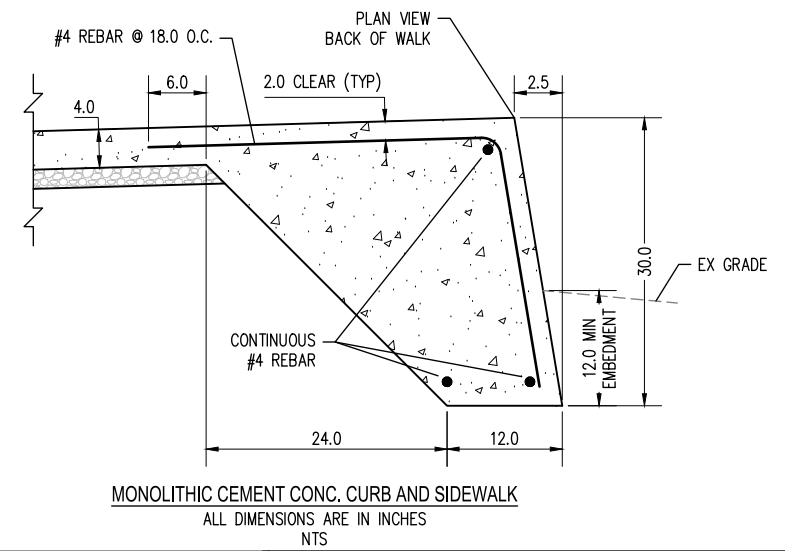
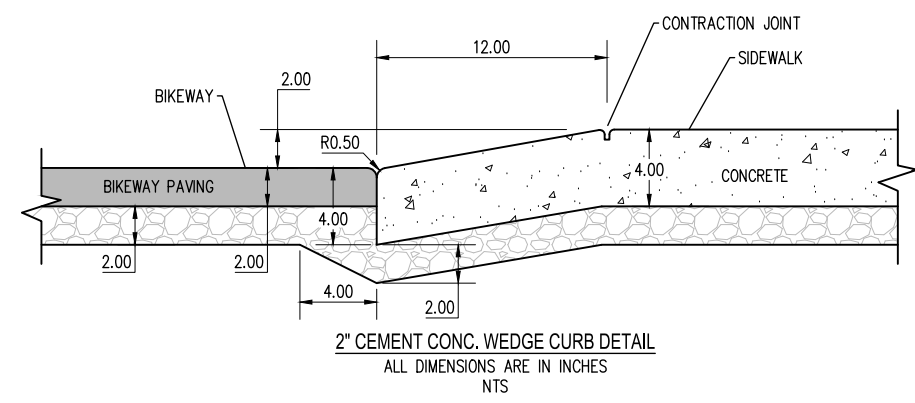
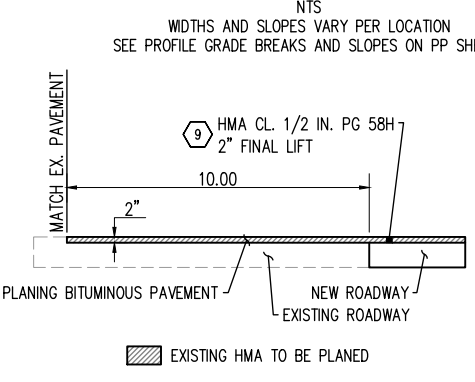
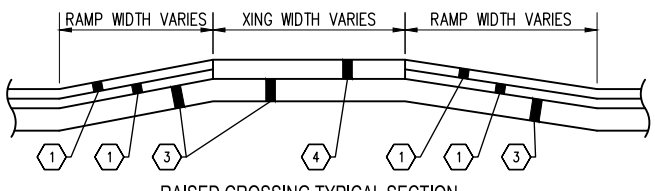
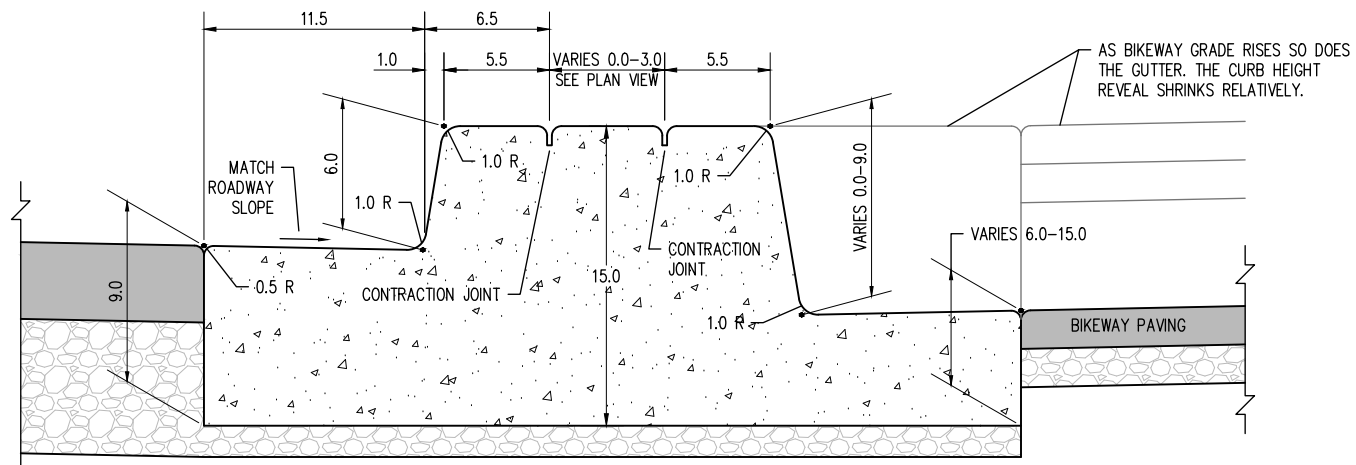
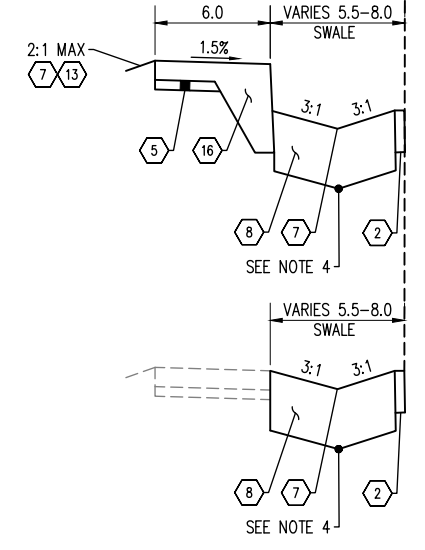
DRAWING No.:	XS-1
SHEET No.:	6 OF 71

SEC. 9 & 10, T. 30 N., R. 1 W., W.M.



ROADWAY SECTION KEY NOTES:

- ① 2" HMA CLASS 1/2" PG 58H.
- ② 11" CRUSHED SURFACING BASE COURSE (CSBC).
- ③ 7" CRUSHED SURFACING BASE COURSE (CSBC).
- ④ 4" CEMENT CONC. SIDEWALK (PER WSDOT STANDARD PLAN F-30.10).
- ⑤ 2" CRUSHED SURFACING TOP COURSE (CSTC).
- ⑥ CEMENT CONC. TRAFFIC CURB AND GUTTER (PER WSDOT STANDARD PLAN F-10.12).
- ⑦ SEEDING, FERTILIZING, AND MULCHING.
- ⑧ 18" TOPSOIL TYPE A BIOFILTRATION
- ⑨ PLANING BITUMINOUS PAVEMENT AND PLACE 2" HMA CLASS 1/2 IN. PG 58H AS PART OF FINAL WEARING COURSE.
- ⑩ 2" CEMENT CONC. WEDGE CURB SEE DETAIL ON SHEET XS-2.
- ⑪ CEMENT CONC. TRAFFIC CURB (PER WSDOT STANDARD PLAN F-10.12).
- ⑫ 6" TEXTURED AND PIGMENTED CEMENT CONC. PAVEMENT
- ⑬ 6" TOPSOIL TYPE A
- ⑭ GRAVITY BLOCK WALL, SEE SPECIAL PROVISIONS
- ⑮ DUAL-FACED CEMENT CONC. TRAFFIC CURB (PER DETAIL ON SHEET XS-2)
- ⑯ MONOLITHIC CEMENT CONC. CURB AND SIDEWALK (PER DETAIL ON SHEET XS-2)
- ⑰ 2" CEMENT CONC. TRAFFIC CURB (PER DETAIL ON SHEET XS-1)



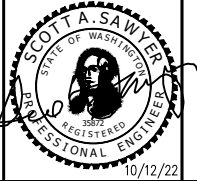
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BID SET

REVISIONS	DATE	BY

DESIGNED BY: M WEYRAUCH	ISSUE DATE: 10/22/2022
DRAWN BY: N MAYFIELD	JOB No.: 0699.14
CHECKED BY: S SAWYER	DRAWING FILE No.: 0699.14 XS-01

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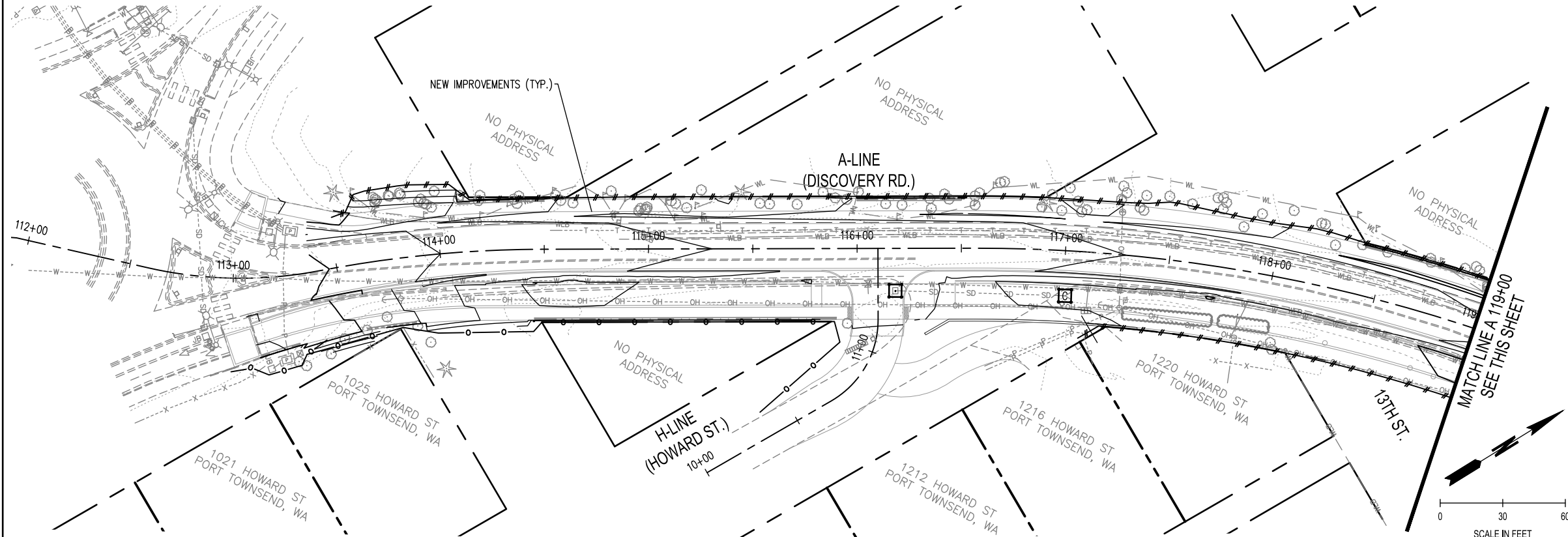


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DISCOVERY ROAD BIKEWAY ROADWAY & SIDEWALK PROJECT PORT TOWNSEND, WA TYPICAL SECTIONS	DRAWING No.: XS-2 SHEET No.: 7 of 71
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SEC. 9 & 10, T. 30 N., R. 1 W., W.M.



EROSION LEGEND

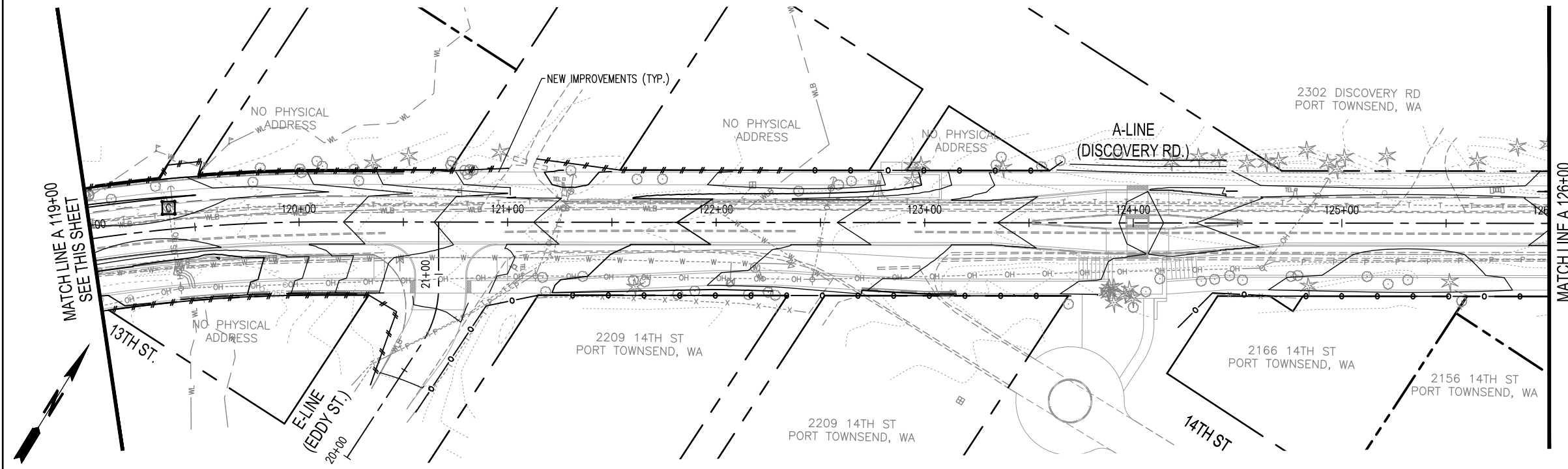
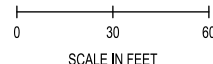
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	HIGH VISIBILITY SILT FENCE	WSDOT STD PLAN I-30.17
	STORM DRAIN INLET PROTECTION	WSDOT STD PLAN I-40.20
	EROSION CONTROL AT CULVERT ENDS	WSDOT STD PLAN I-30.20

GENERAL NOTES

1. ADDITIONAL INLET PROTECTION NOT SHOWN IS ALSO REQUIRED AT ALL NEW CATCH BASIN LOCATION. SEE PLAN AND PROFILE SHEETS FOR NEW CATCH BASIN LOCATIONS.

EXISTING LEGEND

	OVERHEAD POWER LINE		UNDERGROUND POWER LINE
	WETLAND BOUNDARY		UNDERGROUND SEWER LINE
	XX' WETLAND BUFFER		UNDERGROUND STORM LINE
	UNDERGROUND COMM LINE		UNDERGROUND WATER LINE
	OVERHEAD COMM LINE		UNDERGROUND GAS LINE
	WETLAND/OHW FLAG		POWER POLE
	GUY ANCHOR		POWER PULL BOX
	DECIDUOUS TREE		LIGHT POLE
	EVERGREEN/CONIFER TREE		POWER VAULT
	WATER METER		MAILBOX
	FIRE HYDRANT		STORM MANHOLE
	WATER VALVE		SEWER CLEANOUT
	SIGN		SEWER MANHOLE

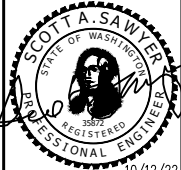


04/12/2022 1:55:03pm User: mitch_wray [C:\Users\mitch_wray\OneDrive\Documents\PROJECTS\0699.14 ER-01.DWG]

REVISIONS	DATE	BY

DESIGNED BY: M WEYRAUCH	ISSUE DATE: 10/22/2022
DRAWN BY: N MAYFIELD	JOB No.: 0699.14
CHECKED BY: S SAWYER	DRAWING FILE No.: 0699.14 ER-01

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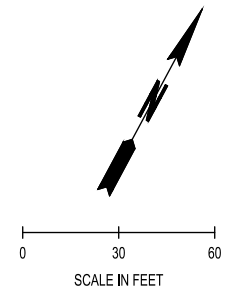
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DISCOVERY ROAD BIKEWAY ROADWAY & SIDEWALK PROJECT PORT TOWNSEND, WA	DRAWING No.: ER-1
EROSION CONTROL PLAN A 112+00 - A 126+00	SHEET No.: 8 OF 71

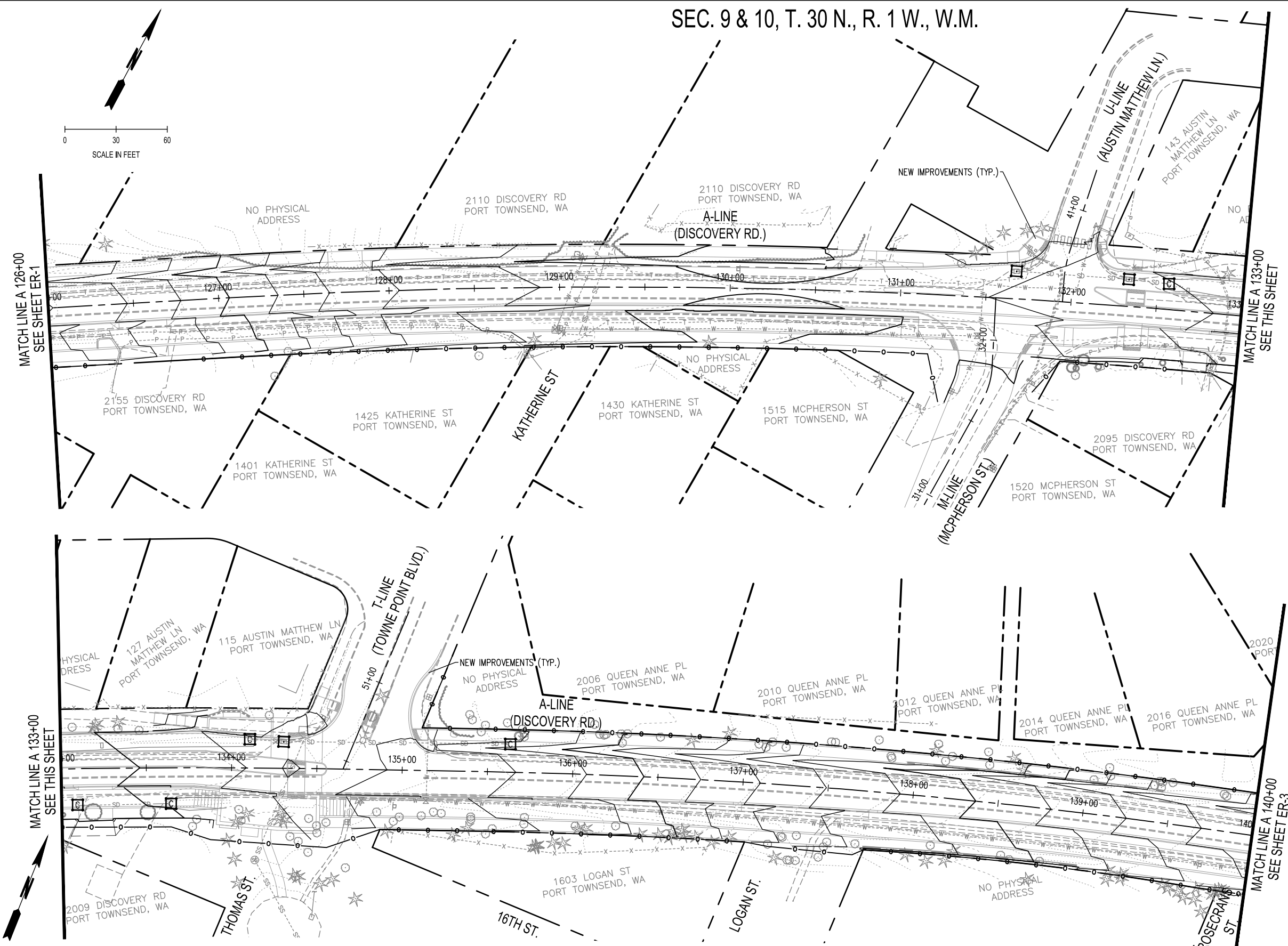
BID SET

SEC. 9 & 10, T. 30 N., R. 1 W., W.M.



- EROSION LEGEND**
- SILT FENCE WSDOT STD PLAN I-30.10
 - #—#—#—#— HIGH VISIBILITY SILT FENCE WSDOT STD PLAN I-30.17
 - STORM DRAIN INLET PROTECTION WSDOT STD PLAN I-40.20
 - ▣ EROSION CONTROL AT CULVERT ENDS WSDOT STD PLAN I-30.20
- GENERAL NOTES**
- ADDITIONAL INLET PROTECTION NOT SHOWN IS ALSO REQUIRED AT ALL NEW CATCH BASIN LOCATION. SEE PLAN AND PROFILE SHEETS FOR NEW CATCH BASIN LOCATIONS.

- EXISTING LEGEND**
- OH— OVERHEAD POWER LINE
 - W— WETLAND BOUNDARY
 - XX— WETLAND BUFFER
 - T— UNDERGROUND COMM LINE
 - T-OH— OVERHEAD COMM LINE
 - P— UNDERGROUND POWER LINE
 - SS— UNDERGROUND SEWER LINE
 - SD— UNDERGROUND STORM LINE
 - W— UNDERGROUND WATER LINE
 - G— UNDERGROUND GAS LINE
 - ⊥ WETLAND/OHW FLAG
 - ⊙ GUY ANCHOR
 - ⊙ DECIDUOUS TREE
 - ⊙ EVERGREEN/CONIFER TREE
 - ⊙ WATER METER
 - ⊙ FIRE HYDRANT
 - ⊙ WATER VALVE
 - ⊙ SIGN
 - ⊙ POWER POLE
 - ⊙ POWER PULL BOX
 - ⊙ LIGHT POLE
 - ⊙ POWER VAULT
 - ⊙ MAILBOX
 - ⊙ STORM MANHOLE
 - ⊙ SEWER CLEANOUT
 - ⊙ SEWER MANHOLE

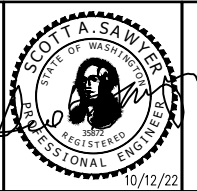


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REVISIONS	DATE	BY	DESIGNED BY:	ISSUE DATE:
			M WEYRAUCH	10/22/2022
			DRAWN BY:	JOB No.:
			N MAYFIELD	0699_14
			CHECKED BY:	DRAWING FILE No.:
			S SAWYER	0699_14 ER-01

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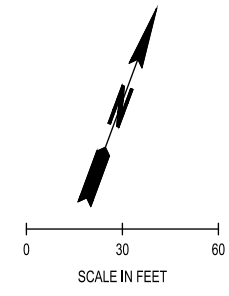
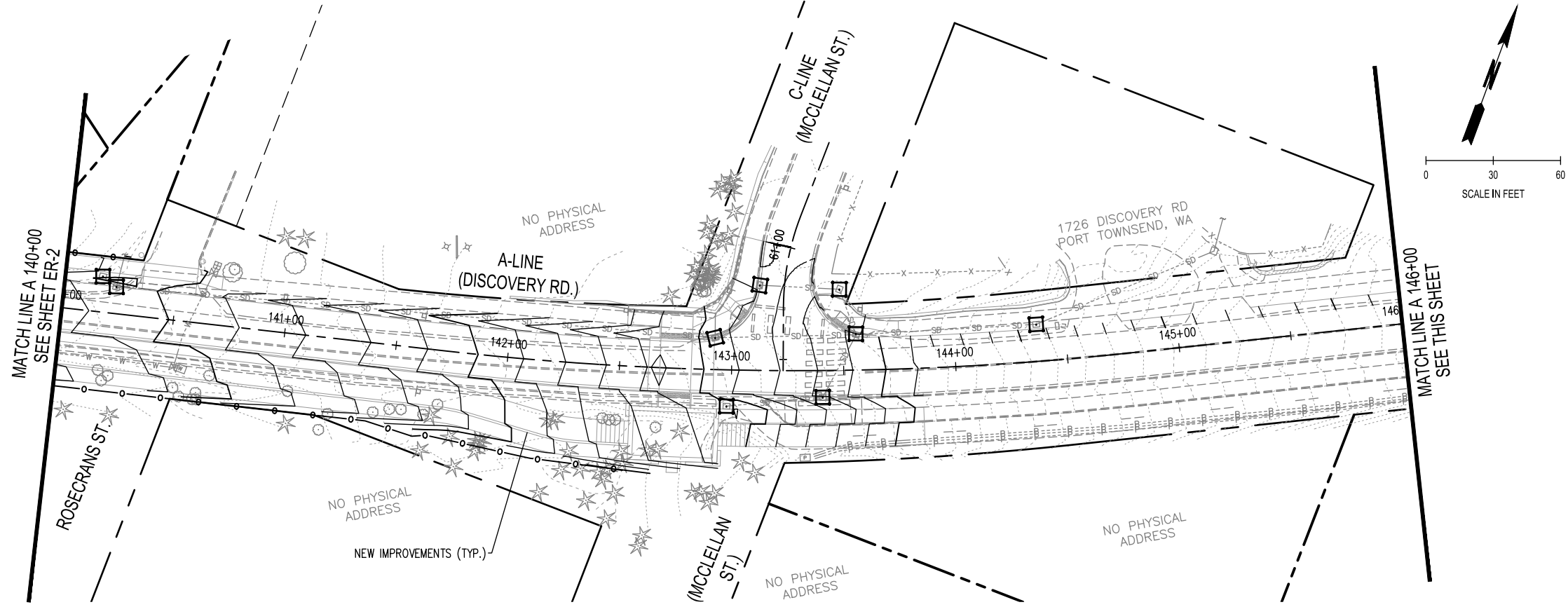
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DISCOVERY ROAD
 BIKEWAY ROADWAY & SIDEWALK PROJECT
 PORT TOWNSEND, WA
 EROSION CONTROL PLAN
 A 126+00 - A 140+00

DRAWING No.: ER-2
 SHEET No.: 9 OF 71

SEC. 9 & 10, T. 30 N., R. 1 W., W.M.

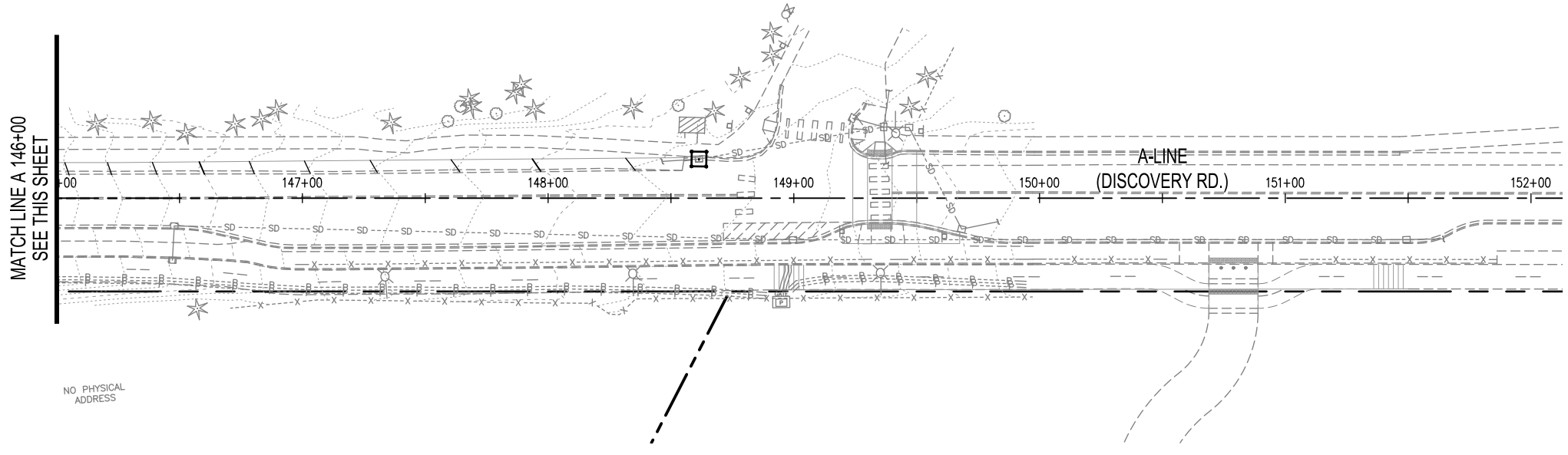


EROSION LEGEND		
	SILT FENCE	WSDOT STD PLAN I-30.10
	HIGH VISIBILITY SILT FENCE	WSDOT STD PLAN I-30.17
	STORM DRAIN INLET PROTECTION	WSDOT STD PLAN I-40.20
	EROSION CONTROL AT CULVERT ENDS	WSDOT STD PLAN I-30.20

GENERAL NOTES

1. ADDITIONAL INLET PROTECTION NOT SHOWN IS ALSO REQUIRED AT ALL NEW CATCH BASIN LOCATION. SEE PLAN AND PROFILE SHEETS FOR NEW CATCH BASIN LOCATIONS.

EXISTING LEGEND			
	OVERHEAD POWER LINE		UNDERGROUND POWER LINE
	WETLAND BOUNDARY		UNDERGROUND SEWER LINE
	WETLAND BUFFER		UNDERGROUND STORM LINE
	UNDERGROUND COMM LINE		UNDERGROUND WATER LINE
	OVERHEAD COMM LINE		UNDERGROUND GAS LINE
	WETLAND/OHW FLAG		POWER POLE
	GUY ANCHOR		POWER PULL BOX
	DECIDUOUS TREE		LIGHT POLE
	EVERGREEN/CONIFER TREE		POWER VAULT
	WATER METER		MAILBOX
	FIRE HYDRANT		STORM MANHOLE
	WATER VALVE		SEWER CLEANOUT
	SIGN		SEWER MANHOLE

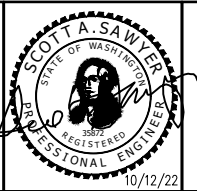


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BID SET

REVISIONS	DATE	BY	DESIGNED BY:	ISSUE DATE:
			M WEYRAUCH	10/22/2022
			DRAWN BY:	JOB No.:
			N MAYFIELD	0699_14
			CHECKED BY:	DRAWING FILE No.:
			S SAWYER	0699_14 ER-01

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DISCOVERY ROAD BIKEWAY ROADWAY & SIDEWALK PROJECT PORT TOWNSEND, WA	DRAWING No.: ER-3
EROSION CONTROL PLAN A 140+00 - A 152+00	SHEET No.: 10 OF 71

SEC. 9 & 10, T. 30 N., R. 1 W., W.M.

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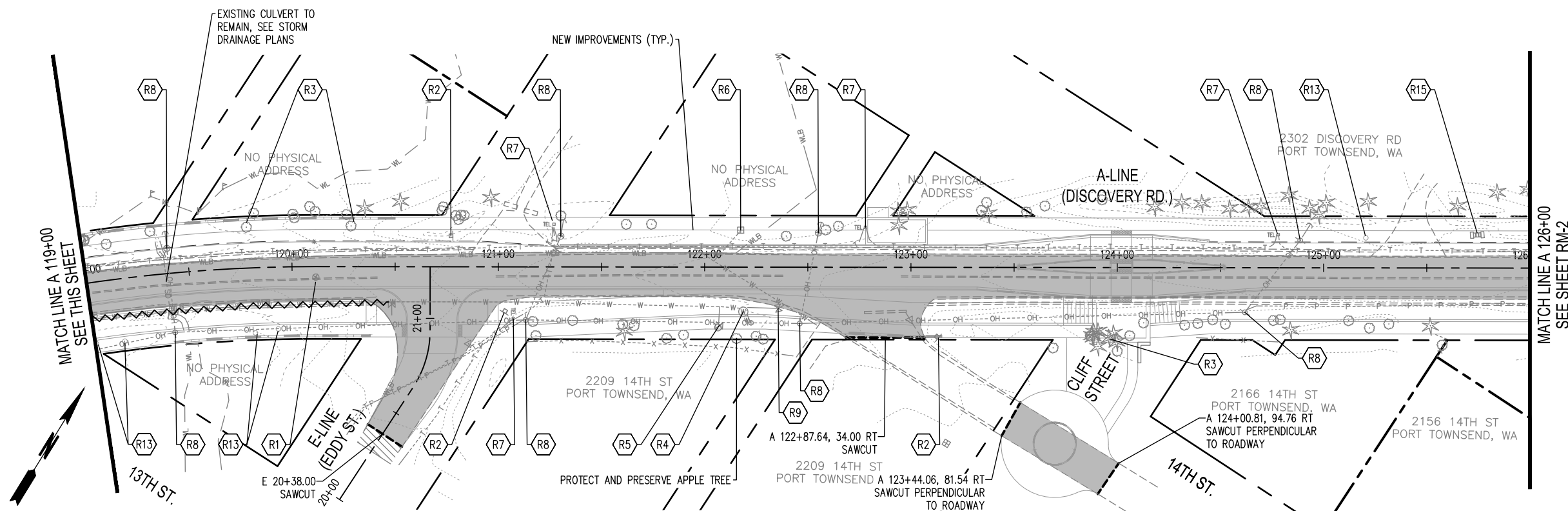
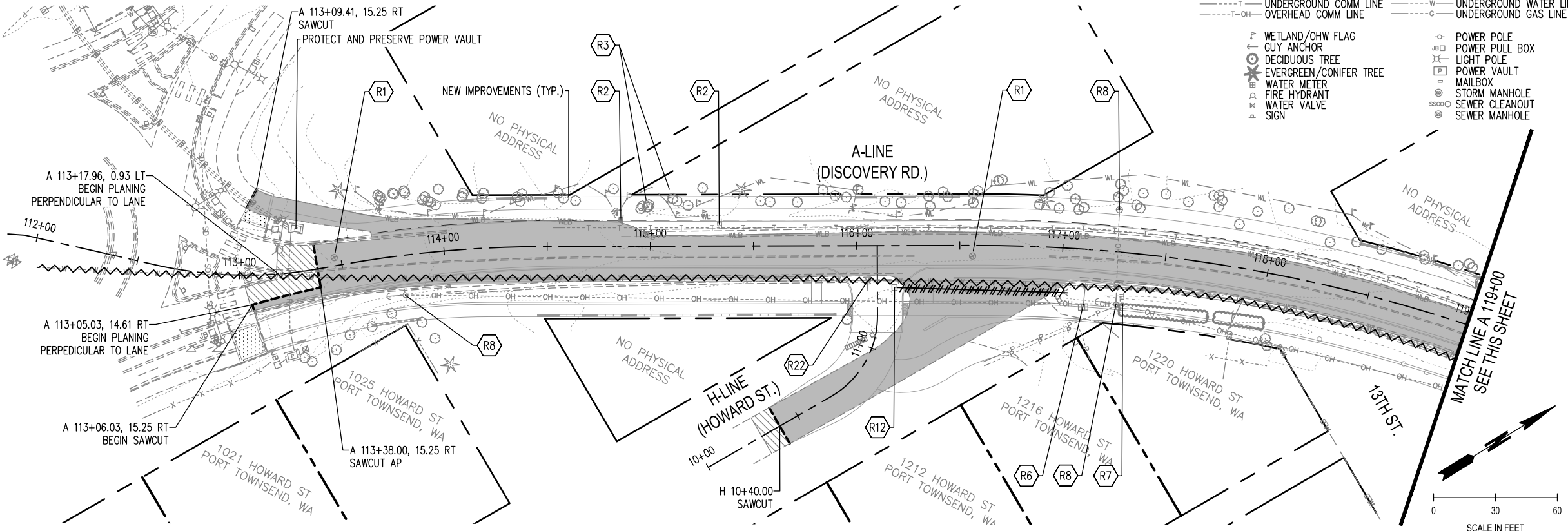
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- WL --- WETLAND BOUNDARY
- XX --- WETLAND BUFFER
- T --- UNDERGROUND COMM. LINE
- T --- OVERHEAD COMM. LINE
- P --- UNDERGROUND POWER LINE
- SS --- UNDERGROUND SEWER LINE
- SD --- UNDERGROUND STORM LINE
- W --- UNDERGROUND WATER LINE
- G --- UNDERGROUND GAS LINE
- WETLAND/OHW FLAG
- GUY ANCHOR
- DECIDUOUS TREE
- EVERGREEN/CONIFER TREE
- WATER METER
- FIRE HYDRANT
- WATER VALVE
- SIGN
- POWER POLE
- POWER PULL BOX
- LIGHT POLE
- POWER VAULT
- MAILBOX
- STORM MANHOLE
- SEWER CLEANOUT
- SEWER MANHOLE

REMOVAL

- SAWCUT (TYP)
(PAID AS ROADWAY EXCAVATION INCLUDING HAUL)
- PLANING BITUMINOUS PAVEMENT (0.17')
- ASPHALT CONCRETE REMOVAL
(PAID FOR UNDER ROADWAY EXCAVATION INCLUDING HAUL)
- CEMENT CONCRETE SIDEWALK REMOVAL
(PAID FOR UNDER ROADWAY EXCAVATION INCL. HAUL)
- STORM PIPE REMOVAL
(PAID FOR UNDER REMOVAL OF STRUCTURES AND OBSTRUCTIONS)
- ABANDON WATER LINE
USE CONTROLLED DENSITY FILL OR APPROVED EQUAL

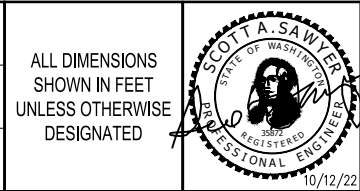
REMOVAL NOTES

- R1 ADJUST MONUMENT CASE AND COVER TO GRADE. COORDINATE WITH CITY SURVEYOR. MONUMENT CASE PLACED DURING PAVING BY CONTRACTOR.
- R2 SEE CH SERIES SHEETS FOR SIGN REMOVALS AND RELOCATIONS.
- R3 REMOVE TREES AND STUMPS WITHIN CLEARING LIMITS (TYP), CLEARING LIMITS ARE TO THE ROW (PAID AS CLEARING AND GRUBBING).
- R4 REMOVE AIR/VAC. ASSEMBLY AND VAULT, COORDINATE WITH CITY WATER DEPARTMENT (PAID AS REMOVAL OF STRUCTURES AND OBSTRUCTIONS).
- R5 MOVING EXISTING HYDRANTS. SEE WT-1 FOR NEW LOCATION. COORDINATE WITH CITY WATER DEPARTMENT.
- R6 RELOCATE WATER METER AND ADJUST TO GRADE, COORDINATE WITH CITY WATER DEPARTMENT.
- R7 TELEPHONE PEDESTAL TO BE RELOCATED BY OTHERS.
- R8 UTILITY POLE TO BE REMOVED BY OTHERS. CONTRACTOR TO COORDINATE REMOVAL TIMING WITH PUD AND ALL FRANCHISE UTILITIES AT PRECONSTRUCTION MEETING.
- R9 ADJUST WATER VALVE TO GRADE, COORDINATE WITH CITY WATER DEPARTMENT.
- R10 REMOVE LIGHT STANDARD AND SALVAGE TO CITY (PAID AS REMOVAL OF STRUCTURES AND OBSTRUCTIONS).
- R11 ADJUST CATCH BASIN TO GRADE. SEE SHEET PP-01.
- R12 REMOVING DRAINAGE STRUCTURE, BACKFILL WITH CSBC AND COMPACT TO WSDOT SPECIFICATIONS.
- R13 REMOVE BOLLARD OR POST (PAID AS REMOVAL OF STRUCTURES AND OBSTRUCTIONS).
- R14 ADJUST VAULT TO GRADE, COORDINATE WITH UTILITY OWNER.
- R15 RELOCATE MAILBOX (PAID AS MAILBOX SUPPORT TYPE 1).
- R16 REMOVE WOODEN FENCE WITHIN PROPOSED SIDEWALK LIMITS (PAID AS REMOVAL OF STRUCTURES AND OBSTRUCTIONS).
- R17 REMOVE HYDRANT, COORDINATE WITH CITY WATER DEPARTMENT. (PAID AS REMOVAL OF STRUCTURES AND OBSTRUCTIONS).
- R18 RELOCATE BOULDER, COORDINATE EXACT LOCATION WITH ENGINEER.
- R19 SAWCUT ASPHALT BIKEWAY AND REMOVE 1 FT WIDE STRIPS AND REPLACE WITH COMPACTED CSBC. (SAWCUT AND ASPHALT REMOVAL PAID AS ROADWAY EXCAVATION INCLUDING HAUL).
- R20 RESETTING EXISTING HYDRANTS.
- R21 REMOVE MAILBOX (PAID AS REMOVAL OF STRUCTURES AND OBSTRUCTIONS)
- R22 REMOVE WATER VALVE (PAID AS REMOVAL OF STRUCTURES AND OBSTRUCTIONS)



REVISIONS	DATE	BY	DESIGNED BY:	ISSUE DATE:
			M WEYRAUCH	10/22/2022
			D HALL	JOB No.: 0699.14
			S SAWYER	DRAWING FILE No.: 0699.14 RM-01

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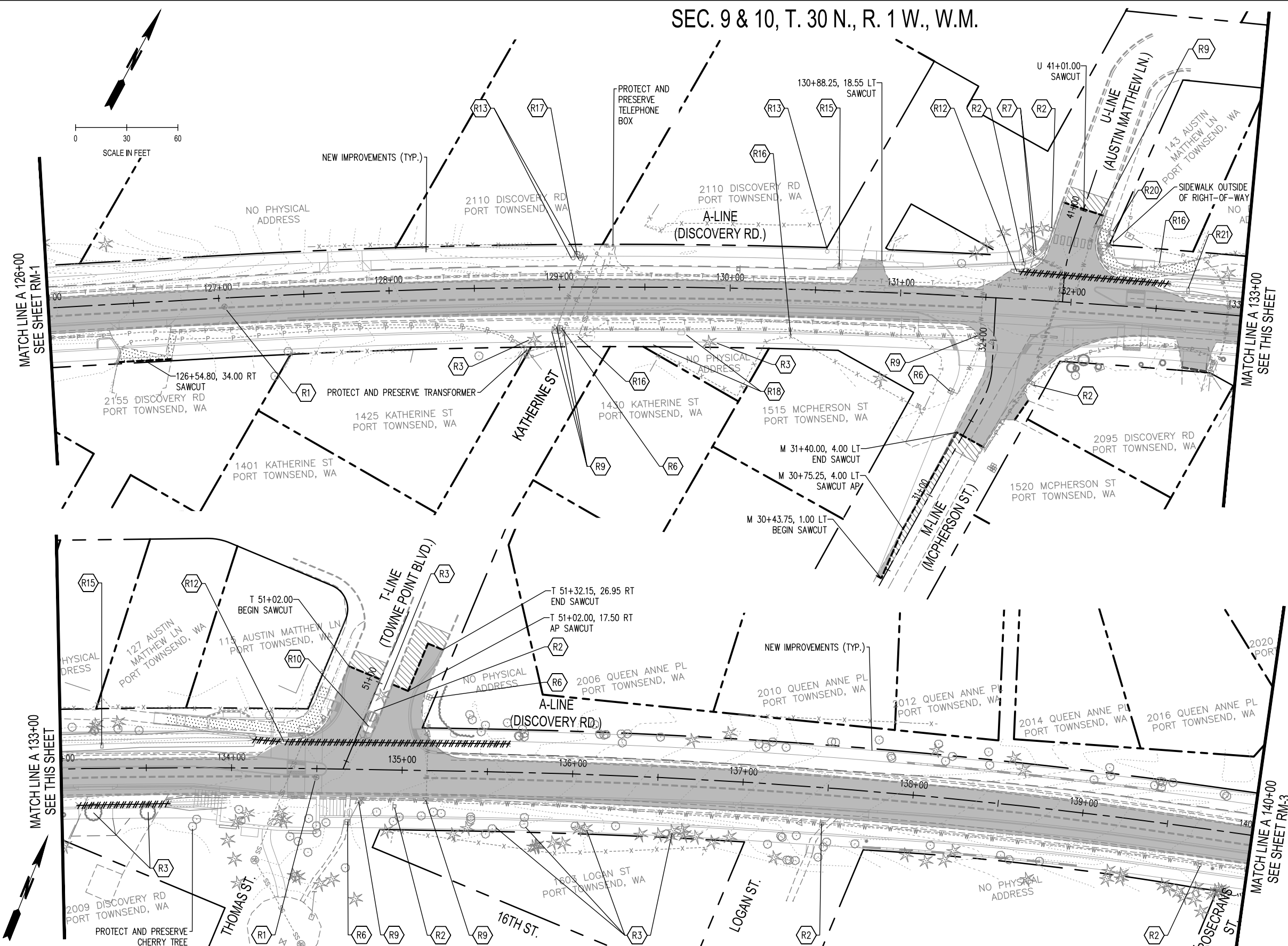
DISCOVERY ROAD
BIKEWAY ROADWAY & SIDEWALK PROJECT
PORT TOWNSEND, WA
REMOVAL PLAN
A 112+00 - A 126+00

DRAWING No.: RM-1
SHEET No.: 11 OF 71

BID SET

Oct 12, 2022 1:06:58pm User: tomk...
 V:\PROJECTS\0699.14 DISCOVERY ROAD BIKEWAY AND SIDEWALKS\CADD\0699.14 RM-01.DWG

SEC. 9 & 10, T. 30 N., R. 1 W., W.M.



REMOVAL	
	SAWCUT (TYP) (PAID AS ROADWAY EXCAVATION INCLUDING HAUL)
	PLANING BITUMINOUS PAVEMENT (0.17')
	ASPHALT CONCRETE REMOVAL (PAID FOR UNDER ROADWAY EXCAVATION INCLUDING HAUL)
	CEMENT CONCRETE SIDEWALK REMOVAL (PAID FOR UNDER ROADWAY EXCAVATION INCL. HAUL)
	STORM PIPE REMOVAL (PAID FOR UNDER REMOVAL OF STRUCTURES AND OBSTRUCTIONS)
	ABANDON WATER LINE USE CONTROLLED DENSITY FILL OR APPROVED EQUAL
SEE SHEET RM-1 FOR EXISTING LEGEND	

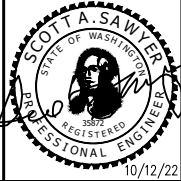
REMOVAL NOTES	
R1	ADJUST MONUMENT CASE AND COVER TO GRADE. COORDINATE WITH CITY SURVEYOR. MONUMENT CASE PLACED DURING PAVING BY CONTRACTOR.
R2	SEE CH SERIES SHEETS FOR SIGN REMOVALS AND RELOCATIONS.
R3	REMOVE TREES AND STUMPS WITHIN CLEARING LIMITS (TYP), CLEARING LIMITS ARE TO THE ROW (PAID AS CLEARING AND GRUBBING).
R4	REMOVE AIR/VAC. ASSEMBLY AND VAULT, COORDINATE WITH CITY WATER DEPARTMENT (PAID AS REMOVAL OF STRUCTURES AND OBSTRUCTIONS).
R5	MOVING EXISTING HYDRANTS. SEE WT-1 FOR NEW LOCATION. COORDINATE WITH CITY WATER DEPARTMENT.
R6	RELOCATE WATER METER AND ADJUST TO GRADE, COORDINATE WITH CITY WATER DEPARTMENT.
R7	TELEPHONE PEDESTAL TO BE RELOCATED BY OTHERS.
R8	UTILITY POLE TO BE REMOVED BY OTHERS. CONTRACTOR TO COORDINATE REMOVAL TIMING WITH PUD AND ALL FRANCHISE UTILITIES AT PRECONSTRUCTION MEETING.
R9	ADJUST WATER VALVE TO GRADE, COORDINATE WITH CITY WATER DEPARTMENT.
R10	REMOVE LIGHT STANDARD AND SALVAGE TO CITY (PAID AS REMOVAL OF STRUCTURES AND OBSTRUCTIONS).
R11	ADJUST CATCH BASIN TO GRADE. SEE SHEET PP-01.
R12	REMOVING DRAINAGE STRUCTURE, BACKFILL WITH CSBC AND COMPACT TO WSDOT SPECIFICATIONS.
R13	REMOVE BOLLARD OR POST (PAID AS REMOVAL OF STRUCTURES AND OBSTRUCTIONS).
R14	ADJUST VAULT TO GRADE, COORDINATE WITH UTILITY OWNER.
R15	RELOCATE MAILBOX (PAID AS MAILBOX SUPPORT TYPE 1).
R16	REMOVE WOODEN FENCE WITHIN PROPOSED SIDEWALK LIMITS (PAID AS REMOVAL OF STRUCTURES AND OBSTRUCTIONS).
R17	REMOVE HYDRANT, COORDINATE WITH CITY WATER DEPARTMENT. (PAID AS REMOVAL OF STRUCTURES AND OBSTRUCTIONS).
R18	RELOCATE BOULDER, COORDINATE EXACT LOCATION WITH ENGINEER.
R19	SAWCUT ASPHALT BIKEWAY AND REMOVE 1 FT WIDE STRIPS AND REPLACE WITH COMPACTED CSBC. (SAWCUT AND ASPHALT REMOVAL PAID AS ROADWAY EXCAVATION INCLUDING HAUL).
R20	RESETTING EXISTING HYDRANTS.
R21	REMOVE MAILBOX (PAID AS REMOVAL OF STRUCTURES AND OBSTRUCTIONS)
R22	REMOVE WATER VALVE (PAID AS REMOVAL OF STRUCTURES AND OBSTRUCTIONS)

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REVISIONS	DATE	BY	DESIGNED BY:	ISSUE DATE:
			M WEYRAUCH	10/22/2022
			D HALL	JOB No.: 0699.14
			S SAWYER	DRAWING FILE No.: 0699.14 RM-01

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DISCOVERY ROAD BIKEWAY ROADWAY & SIDEWALK PROJECT PORT TOWNSEND, WA		DRAWING No.: RM-2
REMOVAL PLAN A 126+00 - A 140+00		SHEET No.: 12 OF 71

SEC. 9 & 10, T. 30 N., R. 1 W., W.M.

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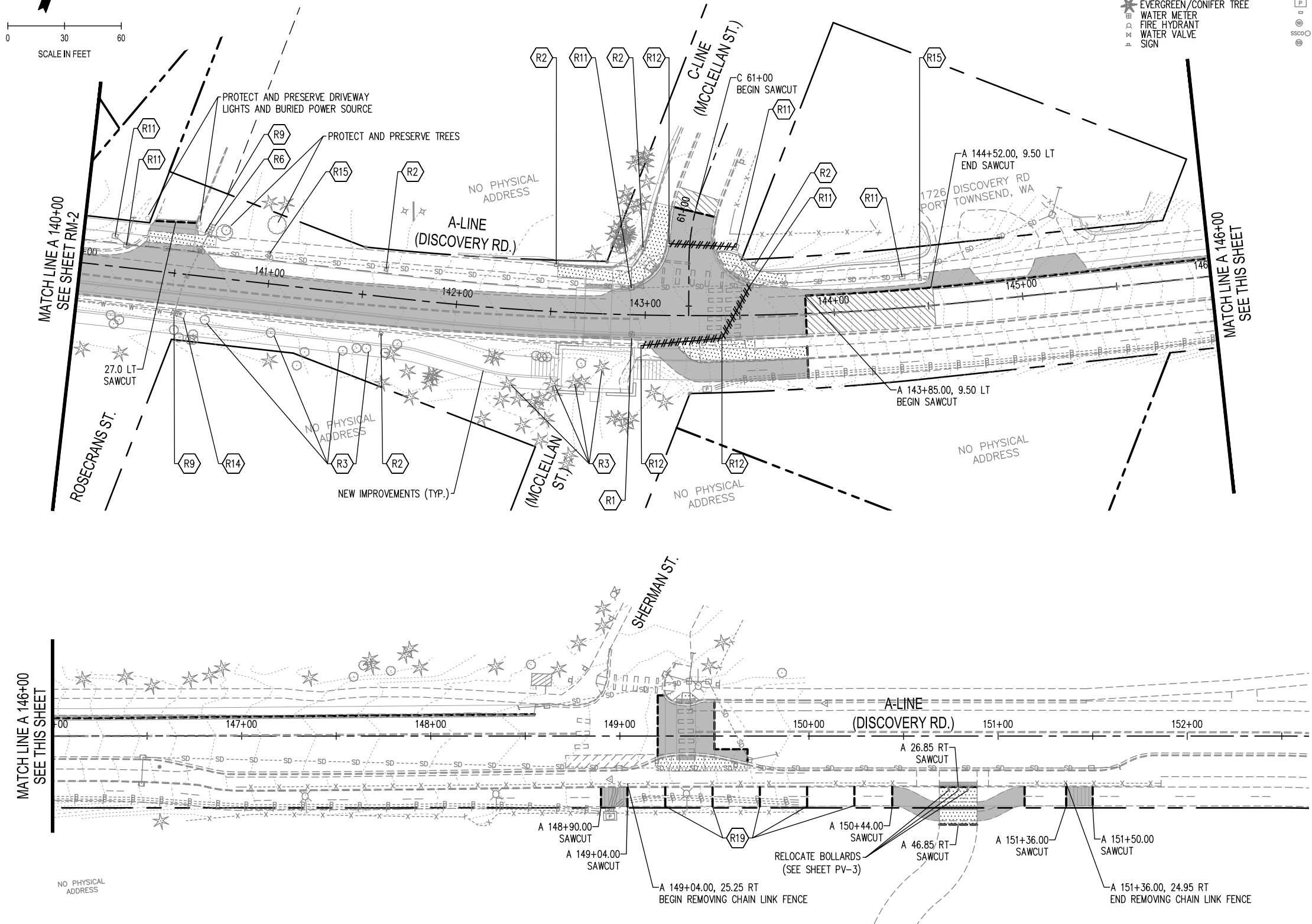
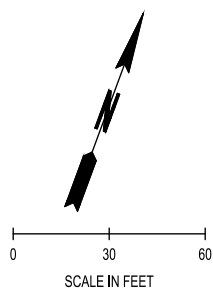
- OH --- OVERHEAD POWER LINE
- W --- WETLAND BOUNDARY
- X --- WETLAND BUFFER
- T --- UNDERGROUND COMM. LINE
- T-OH --- OVERHEAD COMM. LINE
- P --- UNDERGROUND POWER LINE
- SS --- UNDERGROUND SEWER LINE
- SD --- UNDERGROUND STORM LINE
- W --- UNDERGROUND WATER LINE
- G --- UNDERGROUND GAS LINE
- WETLAND/OHW FLAG
- GUY ANCHOR
- DECIDUOUS TREE
- EVERGREEN/CONIFER TREE
- WATER METER
- FIRE HYDRANT
- WATER VALVE
- SIGN
- POWER POLE
- POWER PULL BOX
- LIGHT POLE
- POWER VAULT
- MAILBOX
- STORM MANHOLE
- SEWER CLEANOUT
- SEWER MANHOLE

REMOVAL

- SAWCUT (TYP)
(PAID AS ROADWAY EXCAVATION INCLUDING HAUL)
- PLANING BITUMINOUS PAVEMENT (0.17')
- ASPHALT CONCRETE REMOVAL
(PAID FOR UNDER ROADWAY EXCAVATION INCLUDING HAUL)
- CEMENT CONCRETE SIDEWALK REMOVAL
(PAID FOR UNDER ROADWAY EXCAVATION INCL. HAUL)
- STORM PIPE REMOVAL
(PAID FOR UNDER REMOVAL OF STRUCTURES AND OBSTRUCTIONS)
- ABANDON WATER LINE
USE CONTROLLED DENSITY FILL OR APPROVED EQUAL

REMOVAL NOTES

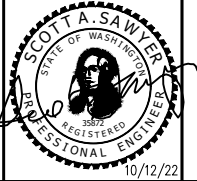
- R1 ADJUST MONUMENT CASE AND COVER TO GRADE. COORDINATE WITH CITY SURVEYOR. MONUMENT CASE PLACED DURING PAVING BY CONTRACTOR.
- R2 SEE CH SERIES SHEETS FOR SIGN REMOVALS AND RELOCATIONS.
- R3 REMOVE TREES AND STUMPS WITHIN CLEARING LIMITS (TYP), CLEARING LIMITS ARE TO THE ROW (PAID AS CLEARING AND GRUBBING).
- R4 REMOVE AIR/VAC. ASSEMBLY AND VAULT, COORDINATE WITH CITY WATER DEPARTMENT (PAID AS REMOVAL OF STRUCTURES AND OBSTRUCTIONS).
- R5 MOVING EXISTING HYDRANTS. SEE WT-1 FOR NEW LOCATION. COORDINATE WITH CITY WATER DEPARTMENT.
- R6 RELOCATE WATER METER AND ADJUST TO GRADE, COORDINATE WITH CITY WATER DEPARTMENT.
- R7 TELEPHONE PEDESTAL TO BE RELOCATED BY OTHERS.
- R8 UTILITY POLE TO BE REMOVED BY OTHERS. CONTRACTOR TO COORDINATE REMOVAL TIMING WITH PUD AND ALL FRANCHISE UTILITIES AT PRECONSTRUCTION MEETING.
- R9 ADJUST WATER VALVE TO GRADE, COORDINATE WITH CITY WATER DEPARTMENT.
- R10 REMOVE LIGHT STANDARD AND SALVAGE TO CITY (PAID AS REMOVAL OF STRUCTURES AND OBSTRUCTIONS).
- R11 ADJUST CATCH BASIN TO GRADE. SEE SHEET PP-01.
- R12 REMOVING DRAINAGE STRUCTURE, BACKFILL WITH CSBC AND COMPACT TO WSDOT SPECIFICATIONS.
- R13 REMOVE BOLLARD OR POST (PAID AS REMOVAL OF STRUCTURES AND OBSTRUCTIONS).
- R14 ADJUST VAULT TO GRADE, COORDINATE WITH UTILITY OWNER.
- R15 RELOCATE MAILBOX (PAID AS MAILBOX SUPPORT TYPE 1).
- R16 REMOVE WOODEN FENCE WITHIN PROPOSED SIDEWALK LIMITS (PAID AS REMOVAL OF STRUCTURES AND OBSTRUCTIONS).
- R17 REMOVE HYDRANT, COORDINATE WITH CITY WATER DEPARTMENT. (PAID AS REMOVAL OF STRUCTURES AND OBSTRUCTIONS).
- R18 RELOCATE BOULDER, COORDINATE EXACT LOCATION WITH ENGINEER.
- R19 SAWCUT ASPHALT BIKEWAY AND REMOVE 1 FT WIDE STRIPS AND REPLACE WITH COMPACTED CSBC. (SAWCUT AND ASPHALT REMOVAL PAID AS ROADWAY EXCAVATION INCLUDING HAUL).
- R20 RESETTING EXISTING HYDRANTS.
- R21 REMOVE MAILBOX (PAID AS REMOVAL OF STRUCTURES AND OBSTRUCTIONS)
- R22 REMOVE WATER VALVE (PAID AS REMOVAL OF STRUCTURES AND OBSTRUCTIONS)



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			M WEYRAUCH	10/22/2022
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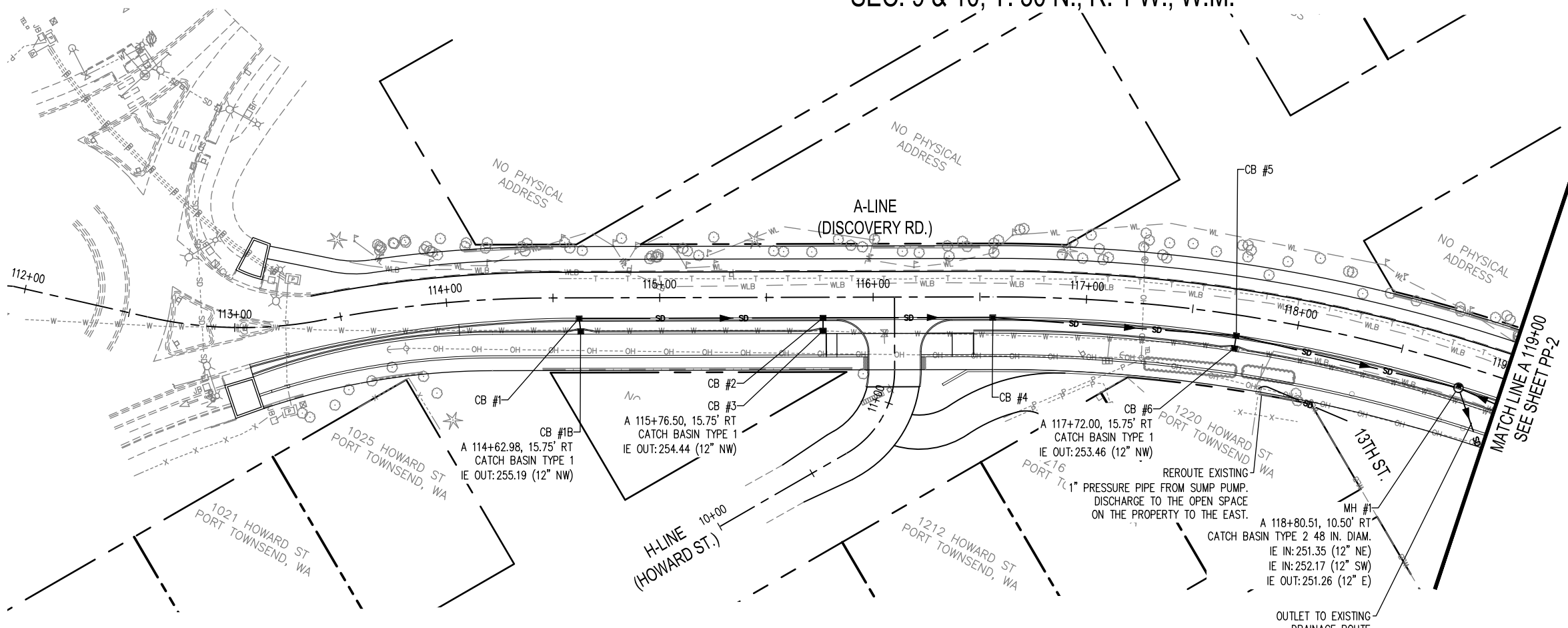


DISCOVERY ROAD
BIKEWAY ROADWAY & SIDEWALK PROJECT
PORT TOWNSEND, WA
REMOVAL PLAN
A 140+00 - A 152+00

DRAWING No.: RM-3
SHEET No.: 13 OF 71

04.12.2022 1:08:41pm - User: tomk...
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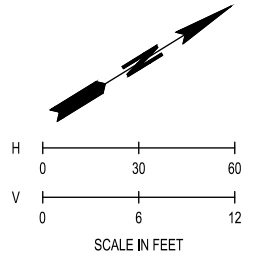
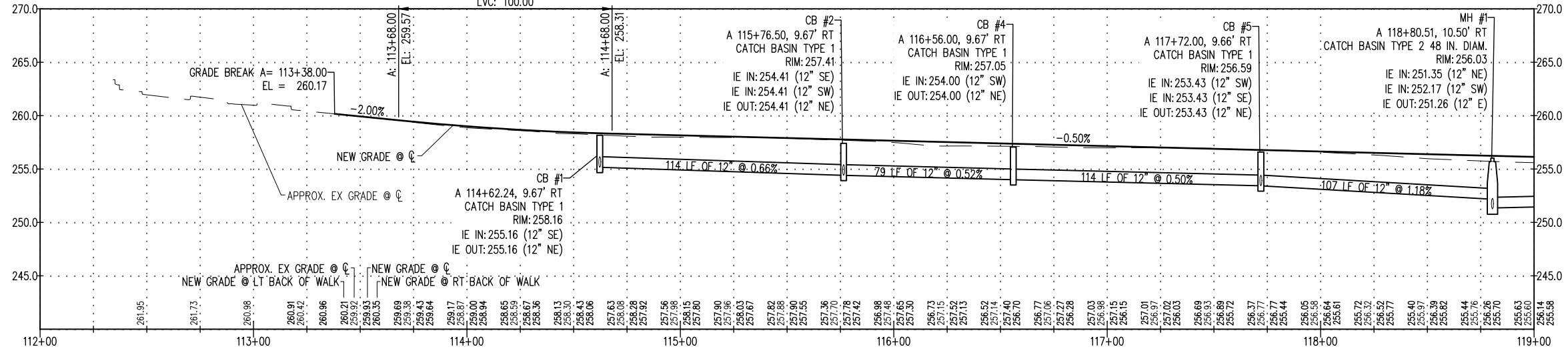
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- STORM DRAINAGE LEGEND**
- DIRECTION OF FLOW
 - SCHEDULE A STORM SEWER PIPE (12" DIA.)*
 - CULVERT END
 - CATCH BASIN TYPE 1 WSDOT STD PLAN B-5.20
 - CATCH BASIN TYPE 2 WSDOT STD PLAN B-10.20
 - 5'x6'x1' DEEP HAND PLACED RIPRAP
- NOTE: * UNLESS NOTED OTHERWISE

- GENERAL NOTES**
1. ALL CATCH BASIN GRATES SHALL HAVE VANED GRATES, PER WSDOT STANDARD PLAN B-30.30, UNLESS OTHERWISE NOTED.
 2. INSTALL CEMENT CONCRETE CURB AND GUTTER PAN, PER WSDOT STANDARD PLAN F-10.16, AT ALL CATCH BASINS LOCATED ALONG THE CURB AND GUTTER.

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 PVI ELEV: 258.57
 K: 66.84
 LVC: 100.00

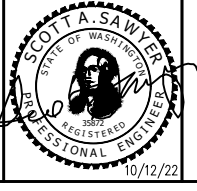


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DISCOVERY ROAD
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 PORT TOWNSEND, WA

PLAN AND PROFILE
 A 112+00 - A 119+00

DRAWING No.: PP-1
 SHEET No.: 14 OF 71

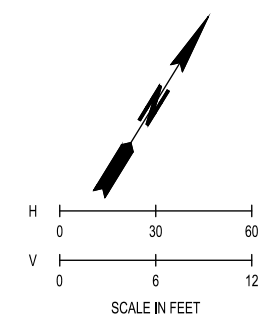
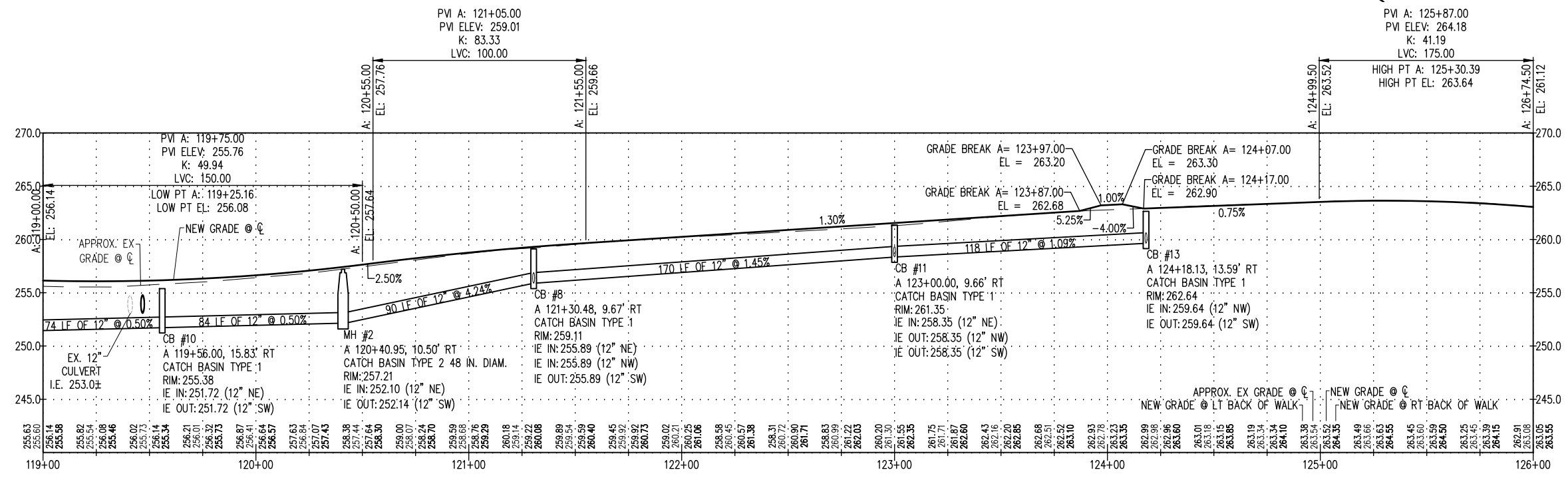
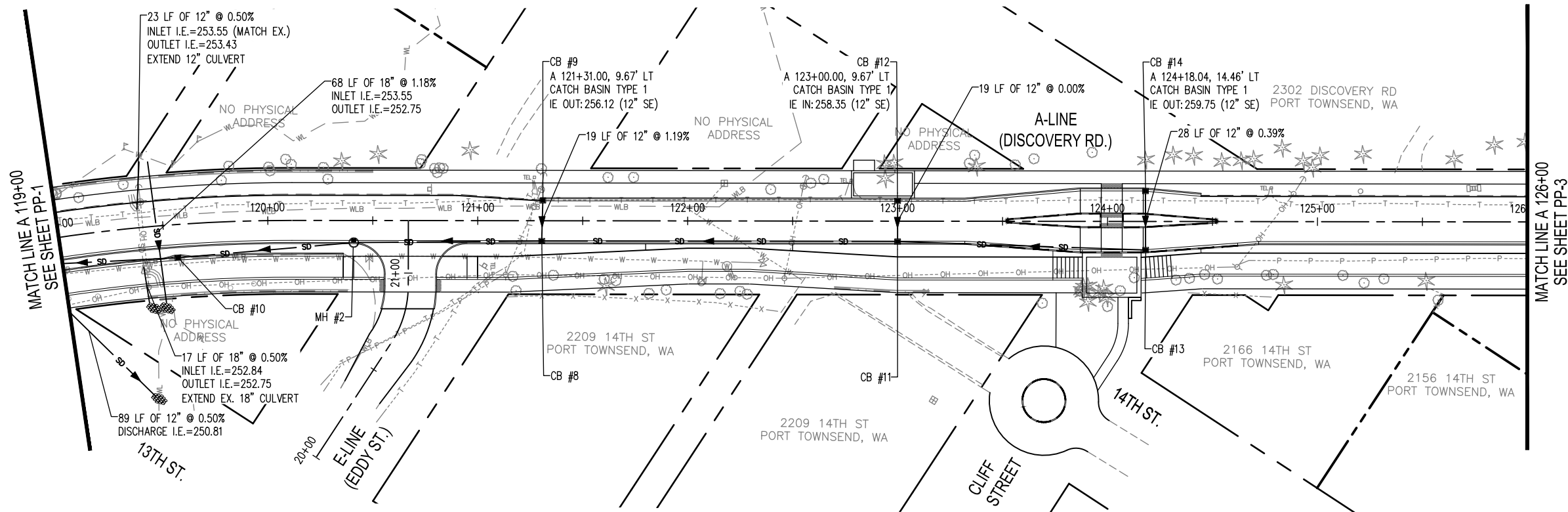
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STORM DRAINAGE LEGEND

- DIRECTION OF FLOW
- SCHEDULE A STORM SEWER PIPE (12" DIA.)*
- CULVERT END
- CATCH BASIN TYPE 1 WSDOT STD PLAN B-5.20
- CATCH BASIN TYPE 2 WSDOT STD PLAN B-10.20
- 5'x6'x1' DEEP HAND PLACED RIPRAP
- NOTE: * UNLESS NOTED OTHERWISE

GENERAL NOTES

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2. INSTALL CEMENT CONCRETE CURB AND GUTTER PAN, PER WSDOT STANDARD PLAN F-10.16, AT ALL CATCH BASINS LOCATED ALONG THE CURB AND GUTTER.

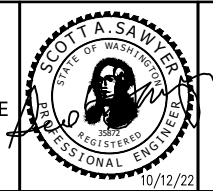


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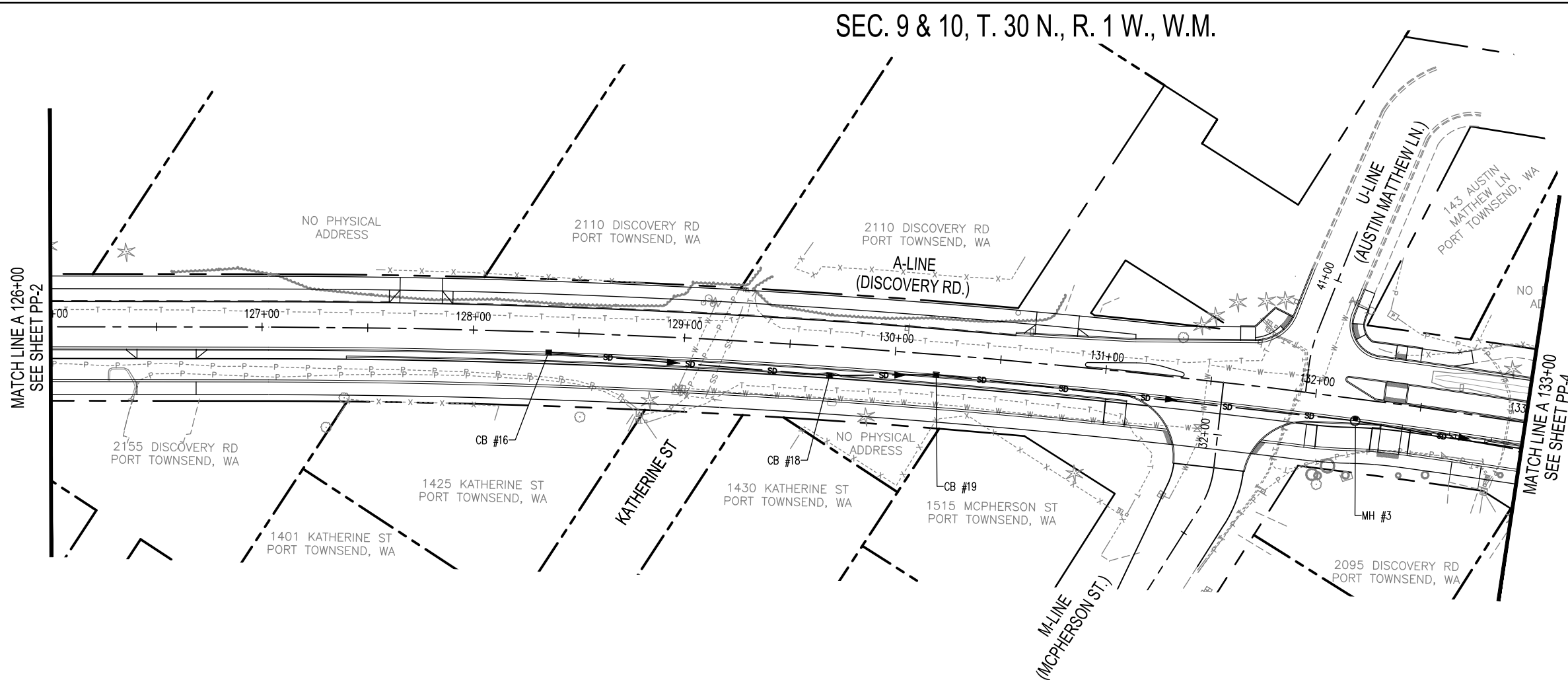
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PORT TOWNSEND, WA
PLAN AND PROFILE
A 119+00 - A 126+00

DRAWING No.: PP-2
SHEET No.: 15 OF 71

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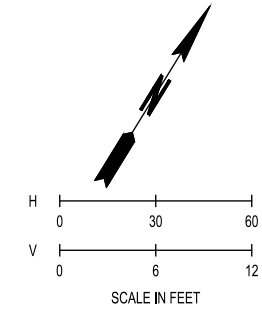
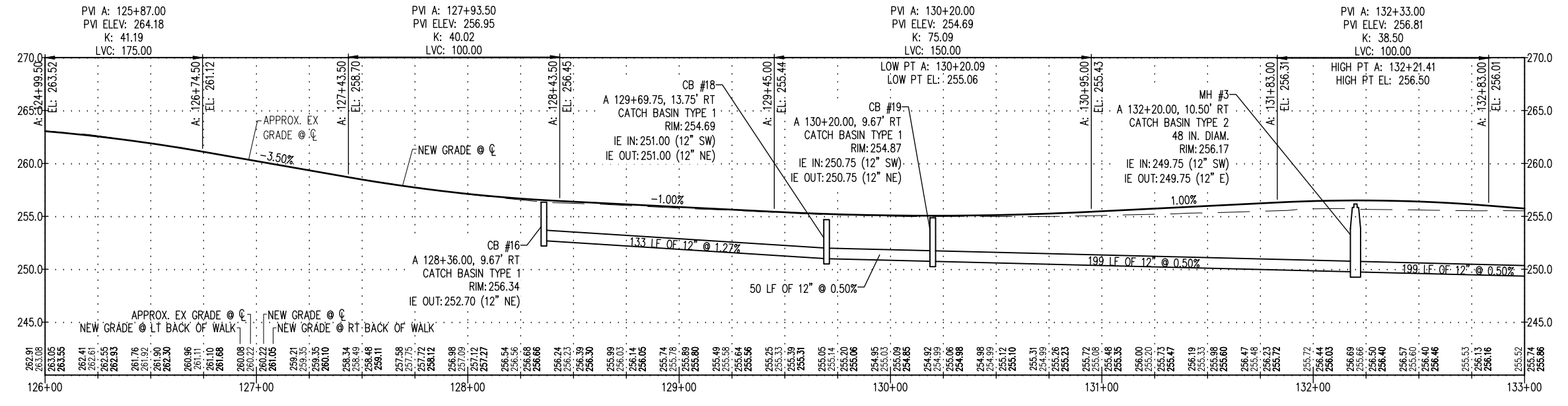


STORM DRAINAGE LEGEND

- DIRECTION OF FLOW
- SCHEDULE A STORM SEWER PIPE (12" DIA.)*
- CULVERT END
- CATCH BASIN TYPE 1 WSDOT STD PLAN B-5.20
- CATCH BASIN TYPE 2 WSDOT STD PLAN B-10.20
- 5'x6'x1' DEEP HAND PLACED RIPRAP

NOTE: * UNLESS NOTED OTHERWISE

- GENERAL NOTES**
- ALL CATCH BASIN GRATES SHALL HAVE VANED GRATES, PER WSDOT STANDARD PLAN B-30.30, UNLESS OTHERWISE NOTED.
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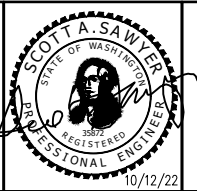


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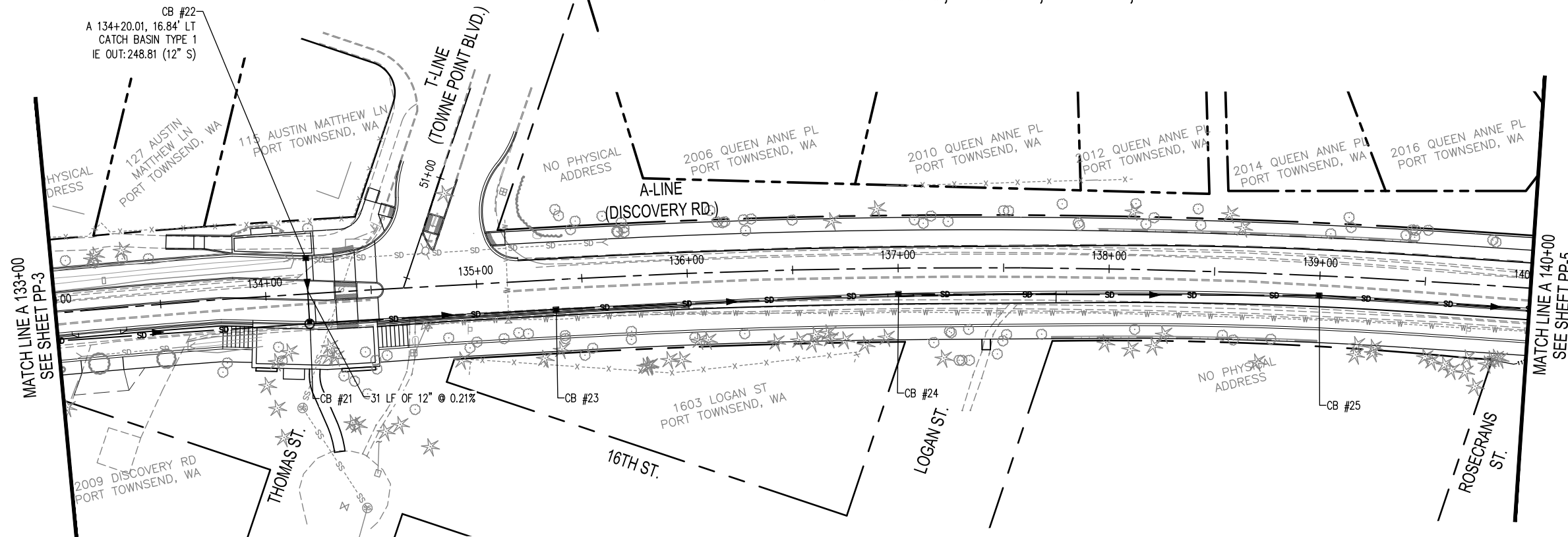
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A 126+00 - A 133+00

DRAWING No.: PP-3
SHEET No.: 16 OF 71

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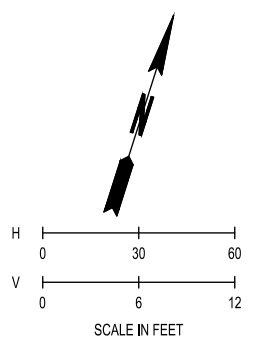
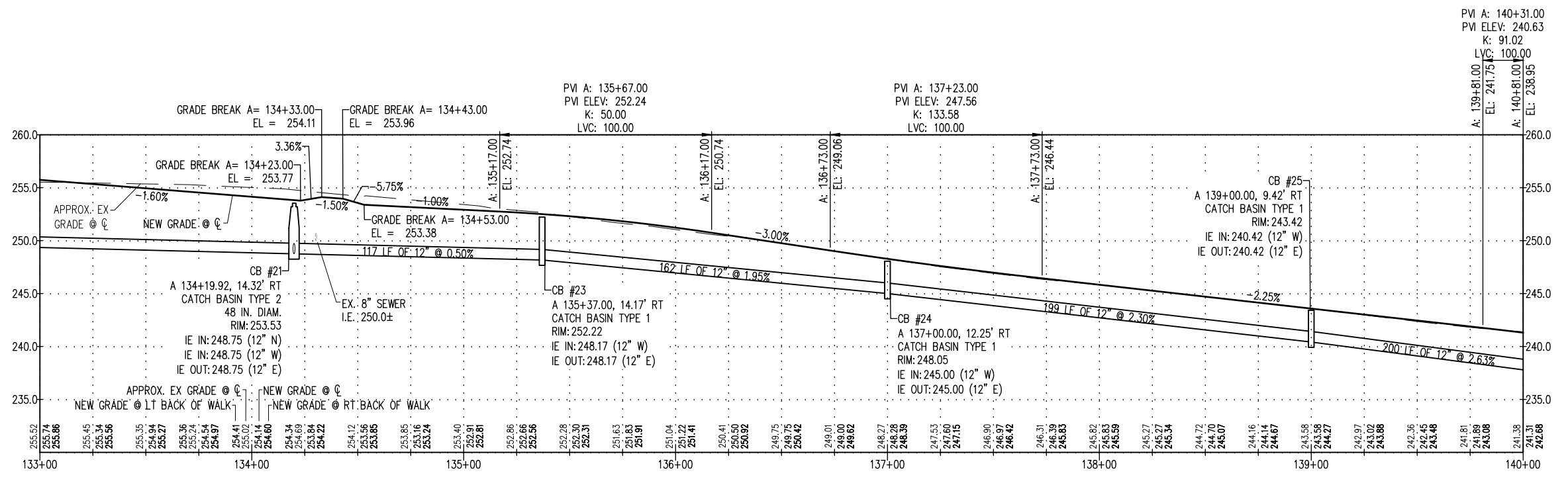


STORM DRAINAGE LEGEND

- SD — DIRECTION OF FLOW
- SCHEDULE A STORM SEWER PIPE (12" DIA.)*
- ◀ CULVERT END
- CATCH BASIN TYPE 1 WSDOT STD PLAN B-5.20
- CATCH BASIN TYPE 2 WSDOT STD PLAN B-10.20
- ⊘ 5'x6'x1' DEEP HAND PLACED RIPRAP

NOTE: * UNLESS NOTED OTHERWISE

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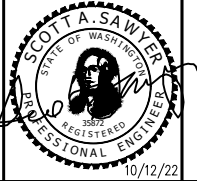


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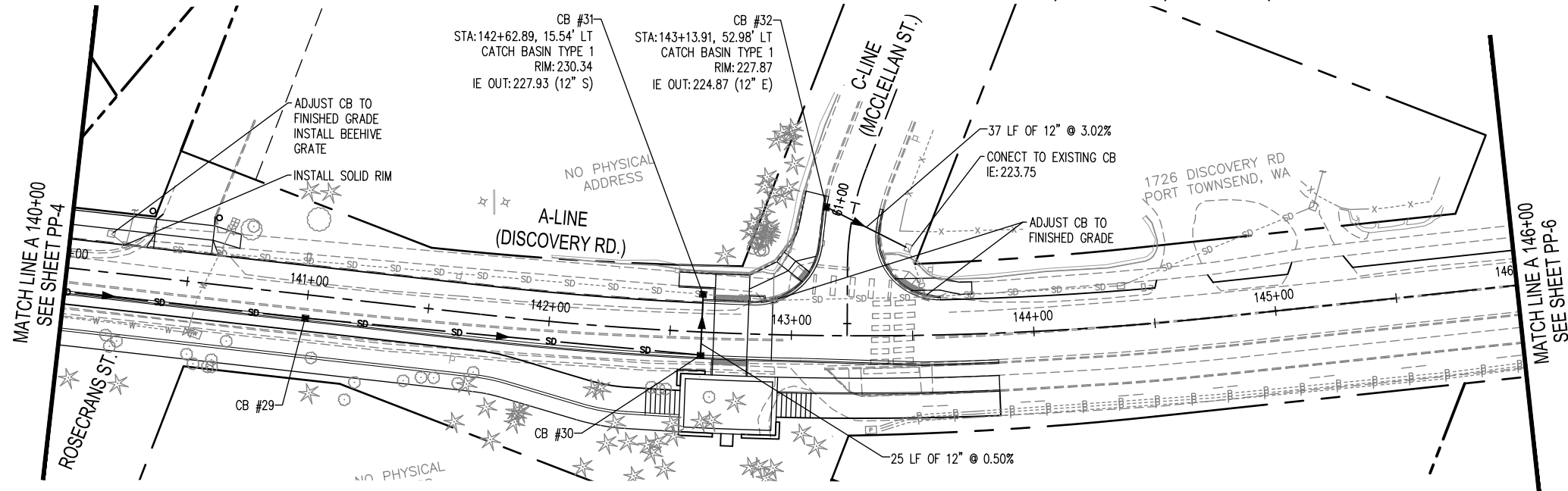


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BIKEWAY ROADWAY & SIDEWALK PROJECT
PORT TOWNSEND, WA

PLAN AND PROFILE
A 133+00 - A 140+00

DRAWING No.: PP-4
SHEET No.: 17 OF 71

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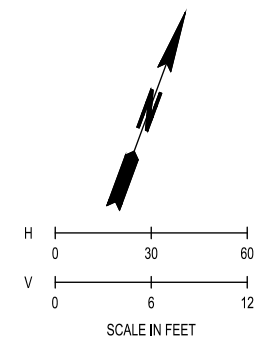
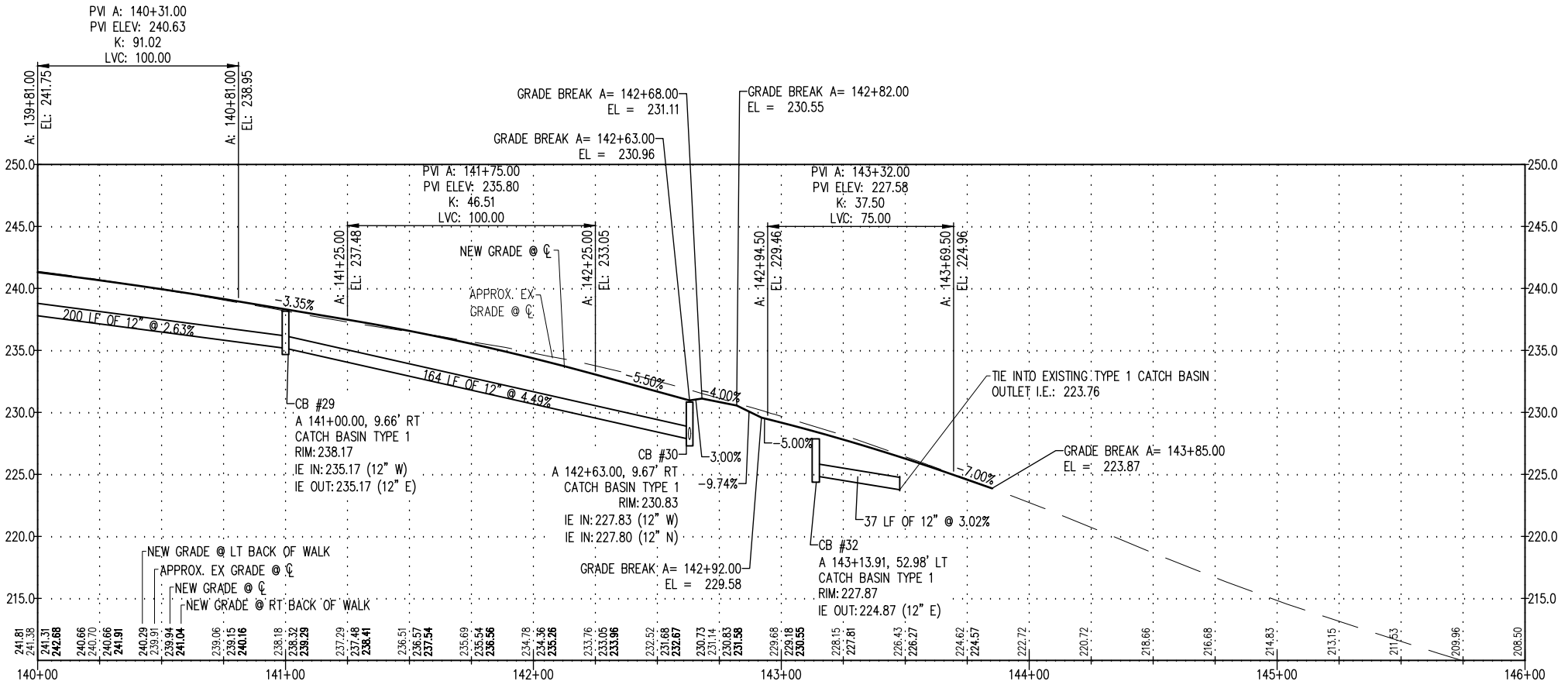


STORM DRAINAGE LEGEND

- SD → DIRECTION OF FLOW
- SCHEDULE A STORM SEWER PIPE (12" DIA.)*
- ◁ CULVERT END
- CATCH BASIN TYPE 1 WSDOT STD PLAN B-5.20
- CATCH BASIN TYPE 2 WSDOT STD PLAN B-10.20
- ▨ 5'x6'x1' DEEP HAND PLACED RIPRAP

NOTE: * UNLESS NOTED OTHERWISE

- GENERAL NOTES**
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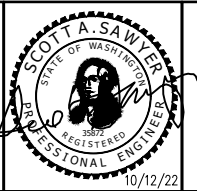


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DRAWING No.: PP-5
 SHEET No.: 18 OF 71

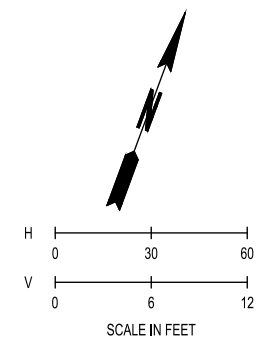
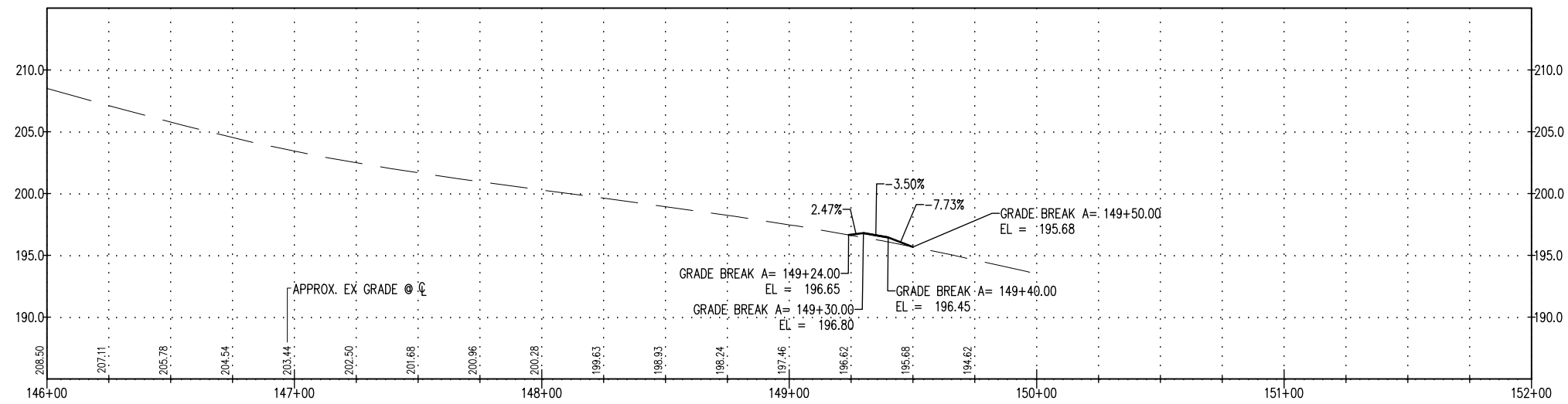
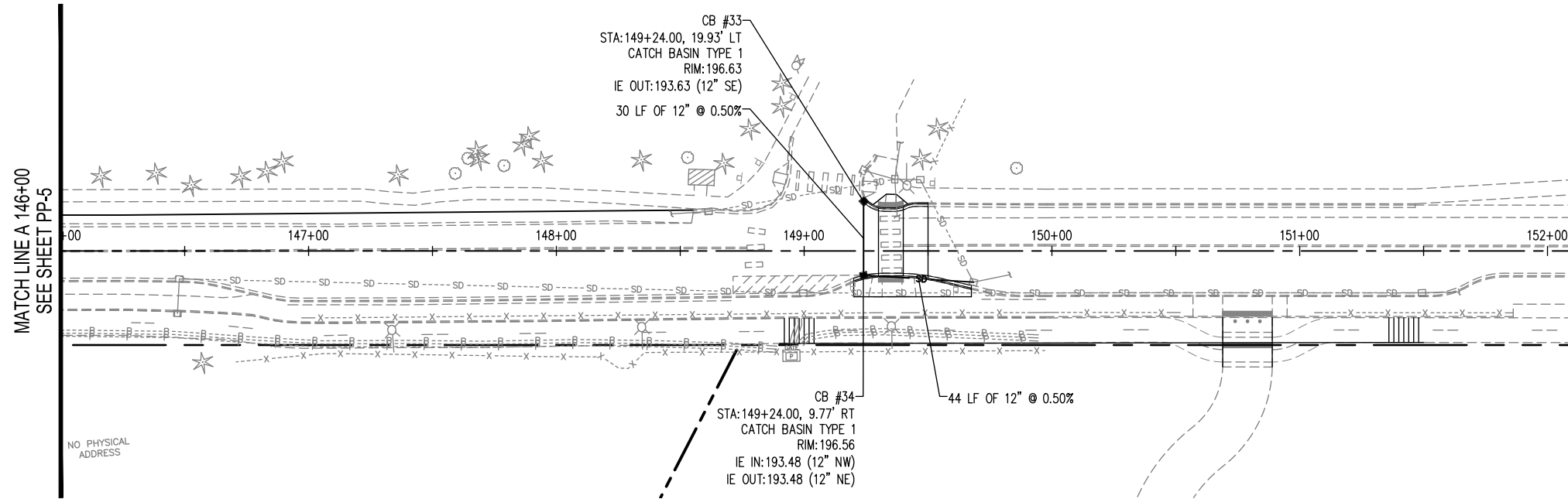
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STORM DRAINAGE LEGEND

- DIRECTION OF FLOW
 - SCHEDULE A STORM SEWER PIPE (12" DIA.)*
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GENERAL NOTES

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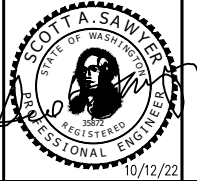


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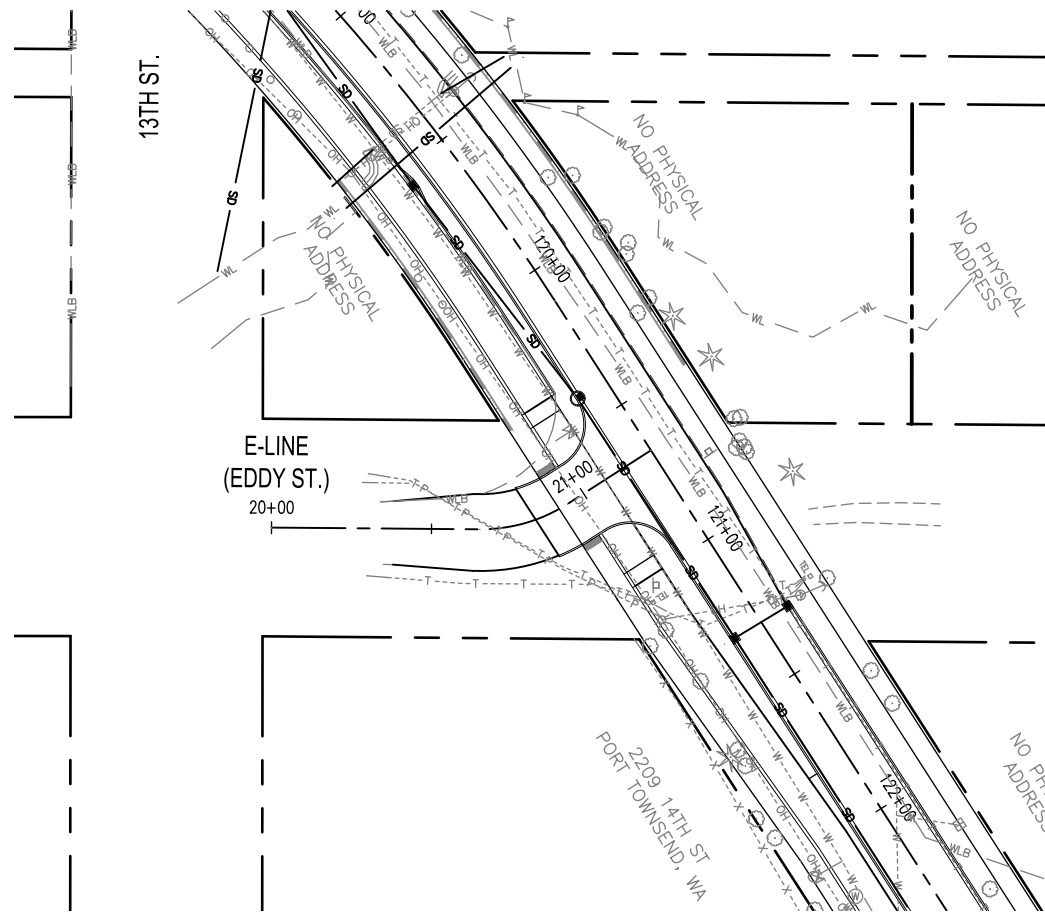
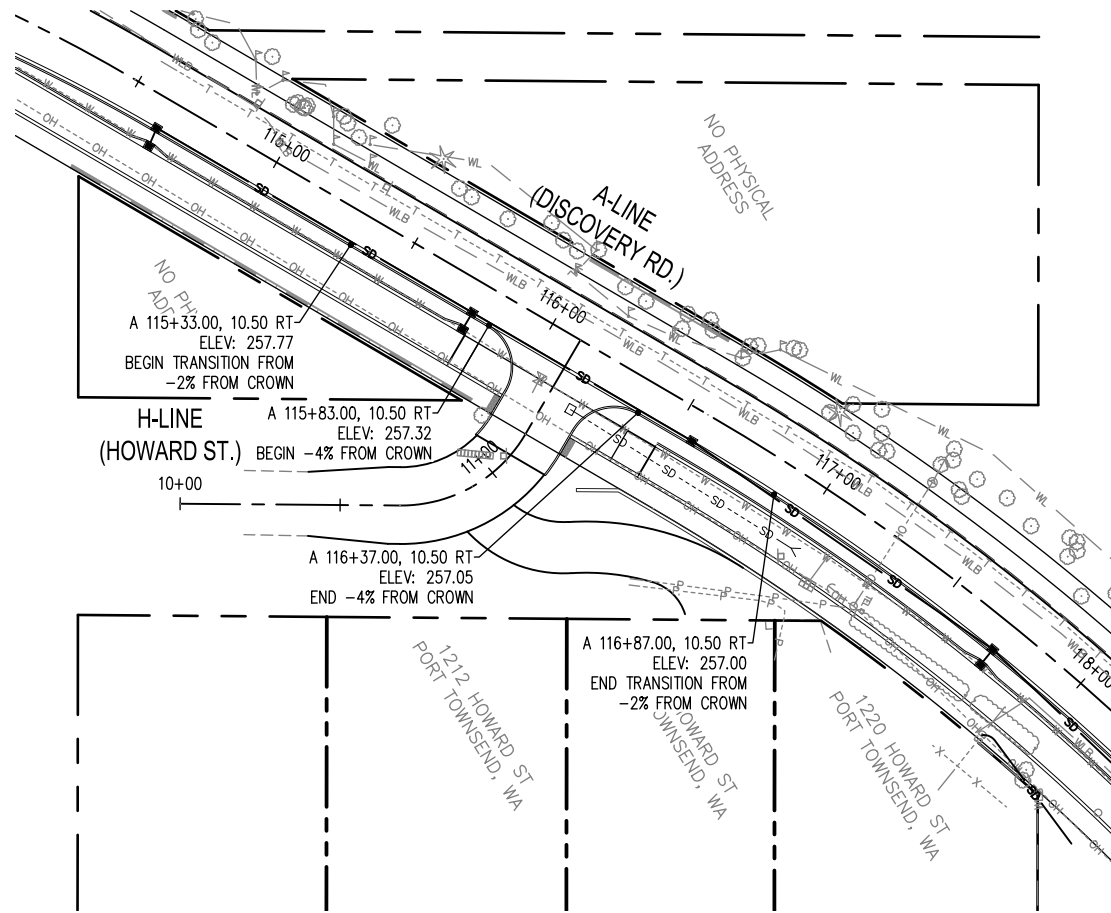
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 A 146+00 - A 152+00

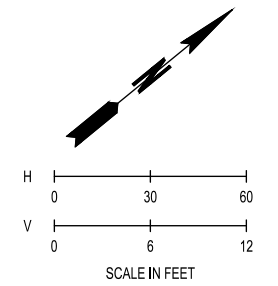
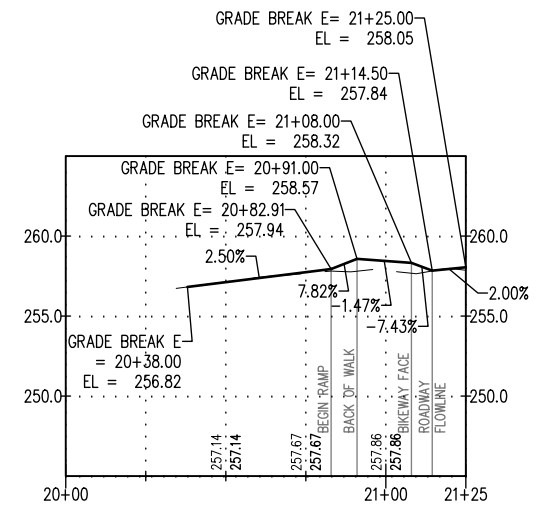
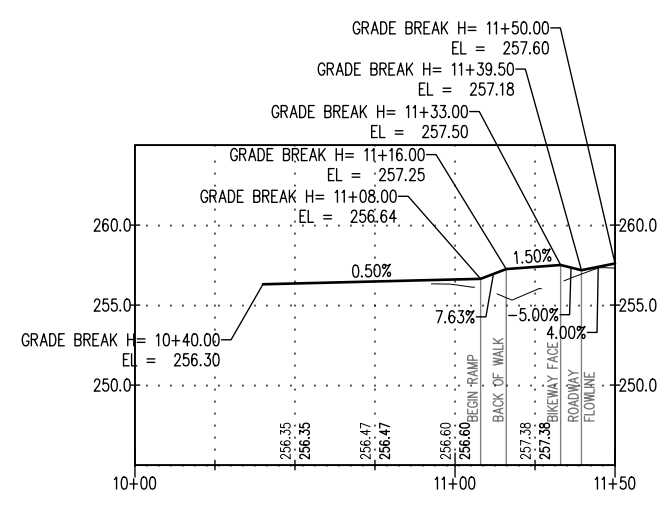
DRAWING No.:
PP-6
 SHEET No.:
19 OF **71**

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- STORM DRAINAGE LEGEND**
- SD → DIRECTION OF FLOW
 - SCHEDULE A STORM SEWER PIPE (12" DIA.)*
 - ◀ CULVERT END
 - CATCH BASIN TYPE 1 WSDOT STD PLAN B-5.20
 - CATCH BASIN TYPE 2 WSDOT STD PLAN B-10.20
 - ⊞ 5'x6'x1' DEEP HAND PLACED RIPRAP
- NOTE: * UNLESS NOTED OTHERWISE

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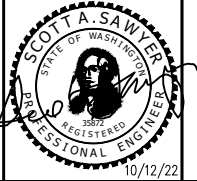


04/12/2022 1:11:35pm User: mawhite\mawhite V:\PROJECTS\0699.14 PORT TOWNSEND\0699.14 PP-06_08.DWG

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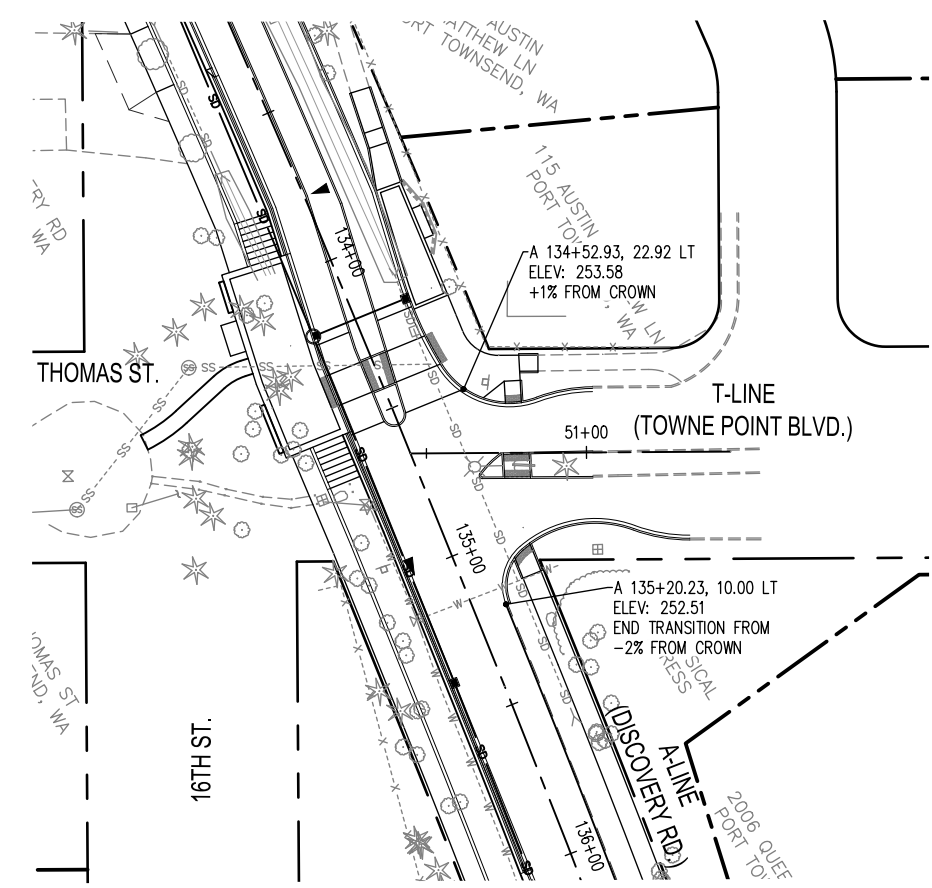
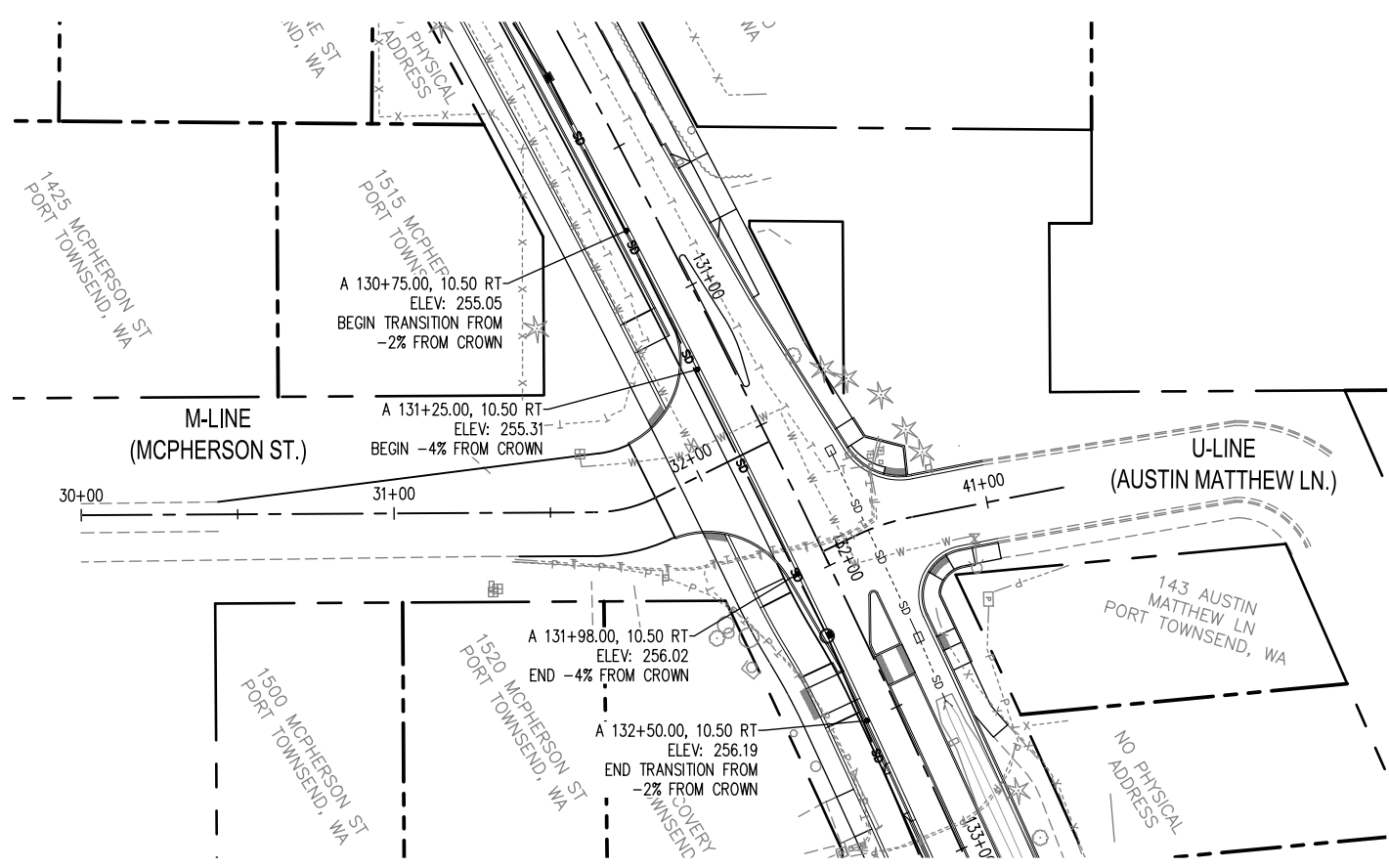
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BIKEWAY ROADWAY & SIDEWALK PROJECT
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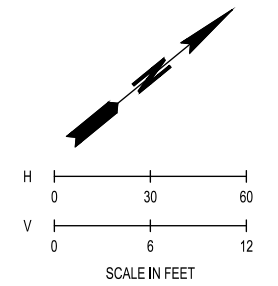
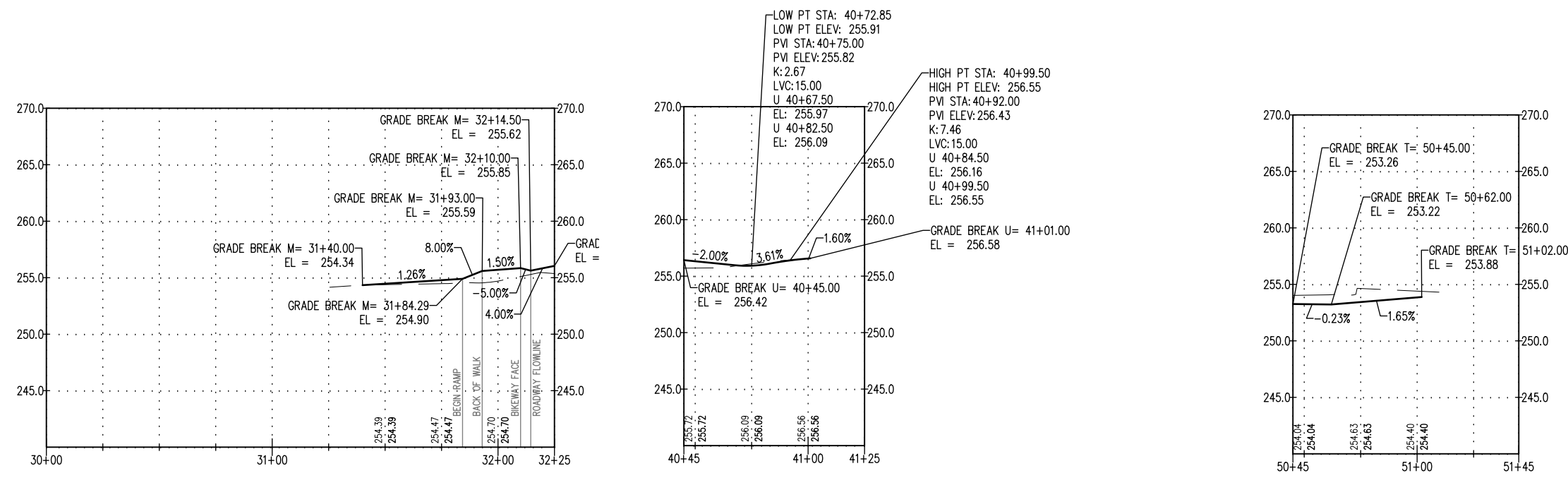
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PP-7
SHEET No.:
20 OF 71

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- STORM DRAINAGE LEGEND**
- SD — DIRECTION OF FLOW
 - SCHEDULE A STORM SEWER PIPE (12" DIA.)*
 - ◁ CULVERT END
 - CATCH BASIN TYPE 1 WSDOT STD PLAN B-5.20
 - CATCH BASIN TYPE 2 WSDOT STD PLAN B-10.20
 - ⊞ 5'x6'x1' DEEP HAND PLACED RIPRAP
- NOTE: * UNLESS NOTED OTHERWISE

- GENERAL NOTES**
1. ALL CATCH BASIN GRATES SHALL HAVE VANED GRATES, PER WSDOT STANDARD PLAN B-30.30, UNLESS OTHERWISE NOTED.
 2. INSTALL CEMENT CONCRETE CURB AND GUTTER PAN, PER WSDOT STANDARD PLAN F-10.16, AT ALL CATCH BASINS LOCATED ALONG THE CURB AND GUTTER.

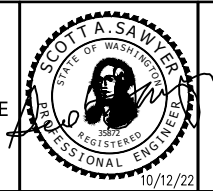


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			W HOLM	10/22/2022
			DRAWN BY:	JOB No.:
			N MAYFIELD	0699.14
			CHECKED BY:	DRAWING FILE No.:
			S SAWYER	0699_14 PP-06_08

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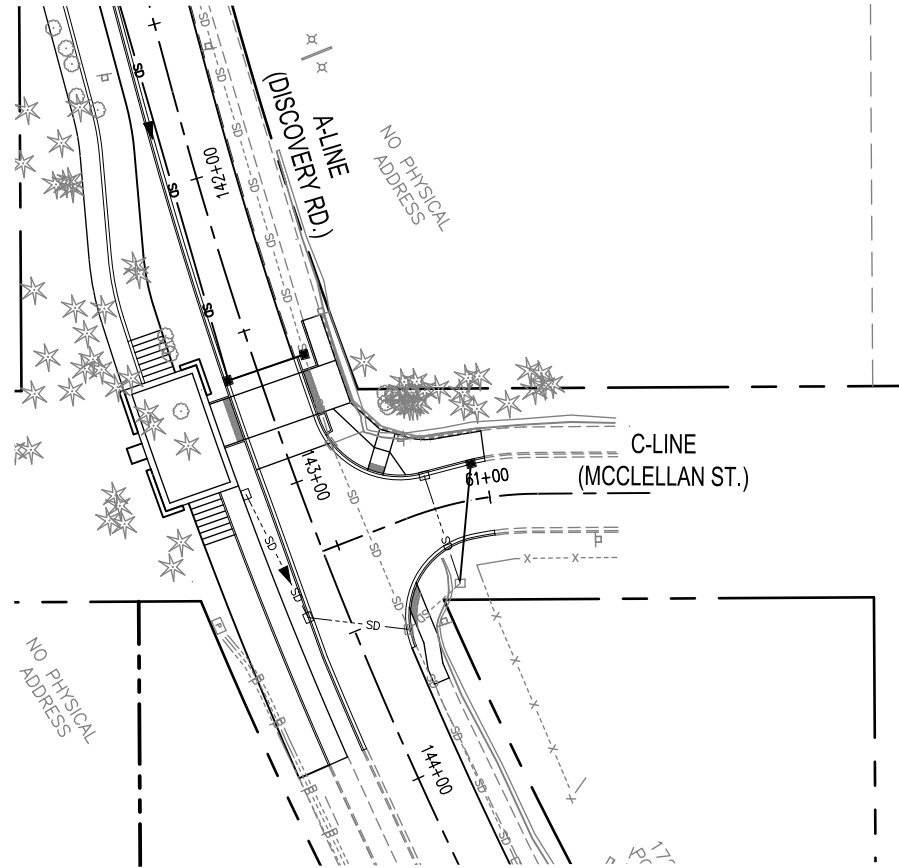
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DISCOVERY ROAD
BIKEWAY ROADWAY & SIDEWALK PROJECT
PORT TOWNSEND, WA
PLAN AND PROFILE

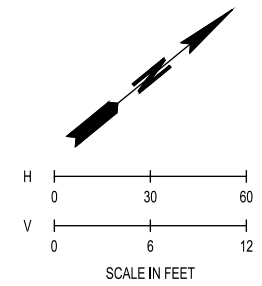
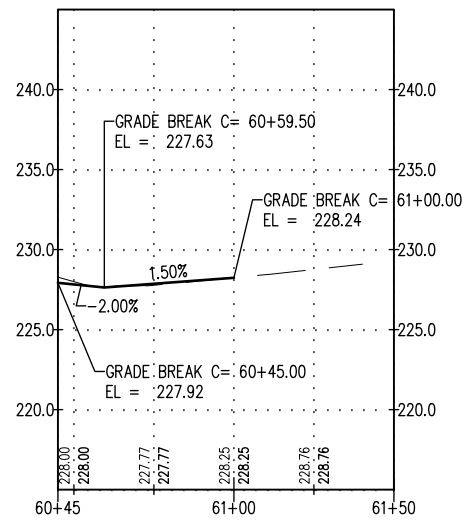
DRAWING No.: PP-8
SHEET No.: 21 OF 71

SEC. 9 & 10, T. 30 N., R. 1 W., W.M.



- STORM DRAINAGE LEGEND**
- SD — DIRECTION OF FLOW SCHEDULE A STORM SEWER PIPE (12" DIA.)*
 - ◁ CULVERT END
 - CATCH BASIN TYPE 1 WSDOT STD PLAN B-5.20
 - CATCH BASIN TYPE 2 WSDOT STD PLAN B-10.20
 - ▨ 5'x6'x1' DEEP HAND PLACED RIPRAP
- NOTE: * UNLESS NOTED OTHERWISE

- GENERAL NOTES**
1. ALL CATCH BASIN GRATES SHALL HAVE VANED GRATES, PER WSDOT STANDARD PLAN B-30.30, UNLESS OTHERWISE NOTED.
 2. INSTALL CEMENT CONCRETE CURB AND GUTTER PAN, PER WSDOT STANDARD PLAN F-10.16, AT ALL CATCH BASINS LOCATED ALONG THE CURB AND GUTTER.

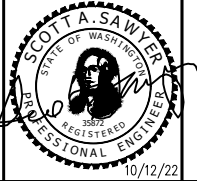


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SHEET No.: 22 OF 71

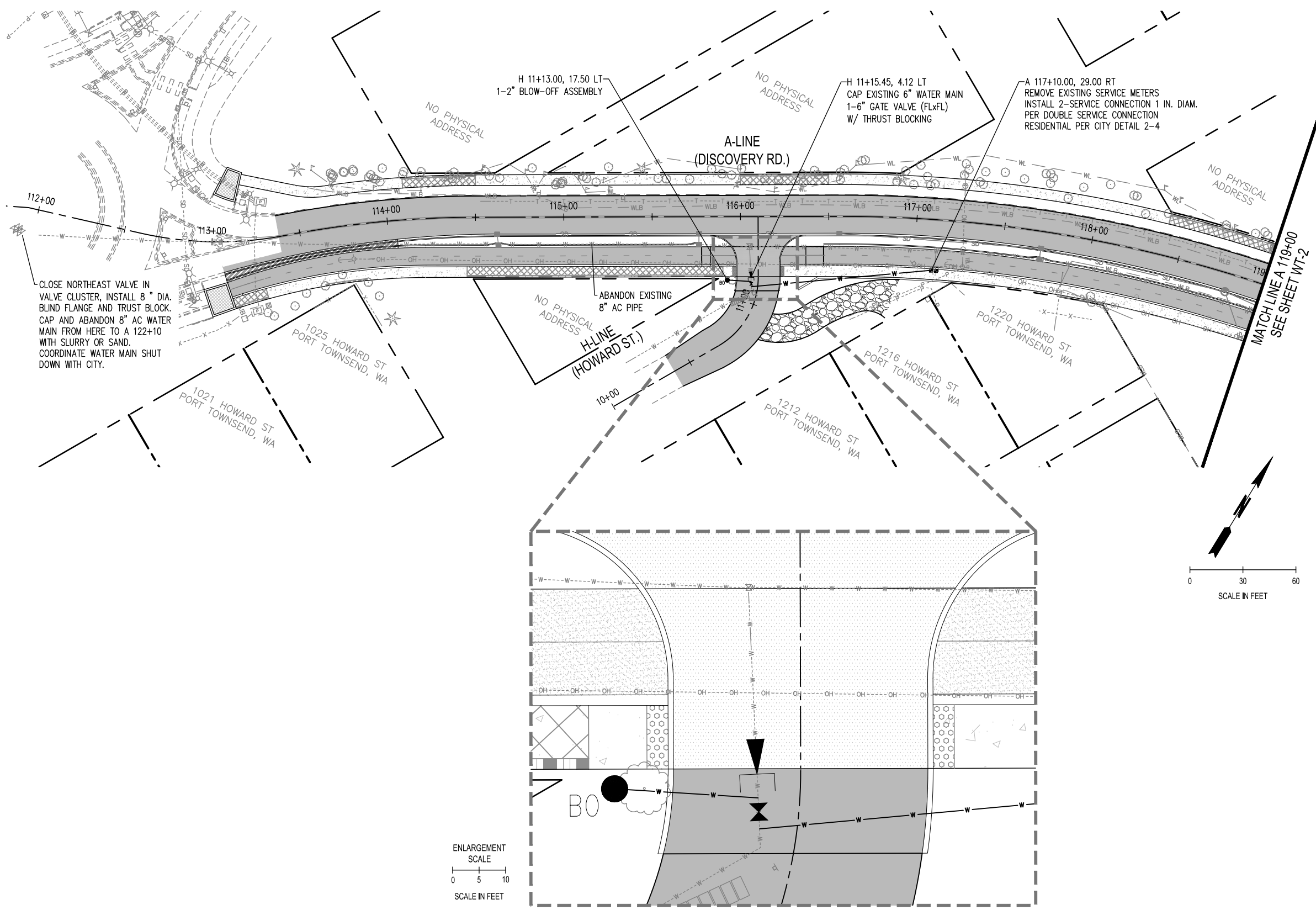
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WATER LEGEND

---	EXISTING WATER MAIN	
W	DUCTILE IRON PIPE FOR WATER MAIN 8 IN. DIAM.	
⌘	FITTINGS	SEE PORT TOWNSEND STD. PLAN 2-15
BO	BLOW OFF ASSEMBLY	SEE PORT TOWNSEND STD. PLAN 2-8
AV	COMB. AIR RELEASE/AIR VACUUM VALVE ASSEMBLY 2 IN.	SEE PORT TOWNSEND STD. PLAN 2-7
W	WATER METER	SEE PORT TOWNSEND STD. PLAN 2-1
⬢	FIRE HYDRANT	SEE PORT TOWNSEND STD. PLAN 2-12
⌘	GATE VALVE	SEE PORT TOWNSEND STD. PLAN 2-6
➤	THRUST BLOCKING	SEE PORT TOWNSEND STD. PLAN 2-10

GENERAL NOTES

- CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS AND EQUIPMENT NECESSARY TO COMPLETE THIS WORK.
- MAINTAIN 10' MINIMUM HORIZONTAL AND 1.5' MINIMUM VERTICAL SEPARATION FROM SEWER MAIN.
- DOUBLE CHECK VALVE ASSEMBLY (DDCVA) FOR FIRE LINES TO BE LOCATED INSIDE OF ALL BUILDINGS UNLESS OTHERWISE SHOWN.
- THE CONTRACTOR SHALL BE AWARE THAT WATERLINE DEFLECTION MAY BE REQUIRED TO AVOID PROPOSED AND EXISTING UTILITIES. DEFLECTION AT PIPE AND FITTING JOINTS WILL BE ALLOWED UP TO 5" PER JOINT OR AS RECOMMENDED BY MANUFACTURER, WHICHEVER IS LESS. THE CONTRACTOR SHALL VERIFY EXISTING UTILITY DEPTH, LOCATION, AND SHALL CALCULATE WATER LINE DEFLECTIONS ACCORDINGLY. WATER LINE PROFILE AS SHOWN ON THE PLANS ARE INFORMATIONAL AND DO NOT REPRESENT THE ACTUAL DEFLECTION TRANSITION LENGTHS.
- THE CONTRACTOR SHALL VERIFY DIA, LENGTH, CONDITION, PIPE TYPE, SLOPE AND VERTICAL AND HORIZONTAL ALIGNMENT OF THE EXISTING ALIGNMENT OF THE PROPOSED POINT OF CONNECTION PRIOR TO CONNECTION AND REPORT ANY DISCREPANCIES TO ENGINEER PRIOR TO CONSTRUCTION.
- STATIONS AND OFFSETS FOR MANHOLES ARE CALLED OUT TO CENTER OF STRUCTURE.
- PIPE LENGTHS CALLED OUT FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
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- ALL WATER MAIN APPURTENANCES, AND THRUST BLOCKS SHALL BE INSPECTED BY THE CITY OF PORT TOWNSEND BEFORE BURY.
- PROVIDE A SANITARY GAP BETWEEN THE EXISTING AND NEW WATER SYSTEMS. THE CITY OF PORT TOWNSEND WILL TAKE A WATER SAMPLE FROM THE MAIN AFTER DISINFECTION. CONNECTION TO THE EXISTING WATER SYSTEM SHALL BE PERFORMED BY THE CONTRACTOR ONLY AFTER COMPLETING AN ACCEPTABLE HYDROSTATIC PRESSURE TEST AND THE PIPELINE IS DISINFECTED, FLUSHED, AND RECEIPT OR APPROVAL OF WATER QUALITY TEST RESULTS FROM THE LAB.
- A RUBBER PIPE PLUG SHALL BE USED ANY TIME THE PIPE TRENCH IS LEFT UNATTENDED TO PROTECT AGAINST SOIL INTRUSION AND FLOODING OF THE PIPE. OPEN ENDS OF VALVES SHALL BE PLUGGED OR BAGGED UNTIL EXTENDED WITH PIPE.
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- ALL WATER PIPE SHALL BE CLASS 52 DUCTILE IRON.



CLOSE NORTHEAST VALVE IN VALVE CLUSTER, INSTALL 8" DIA. BLIND FLANGE AND TRUST BLOCK. CAP AND ABANDON 8" AC WATER MAIN FROM HERE TO A 122+10 WITH SLURRY OR SAND. COORDINATE WATER MAIN SHUT DOWN WITH CITY.

ENLARGEMENT SCALE
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SCALE IN FEET

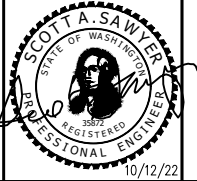
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			B CONNOLLY	10/22/2022
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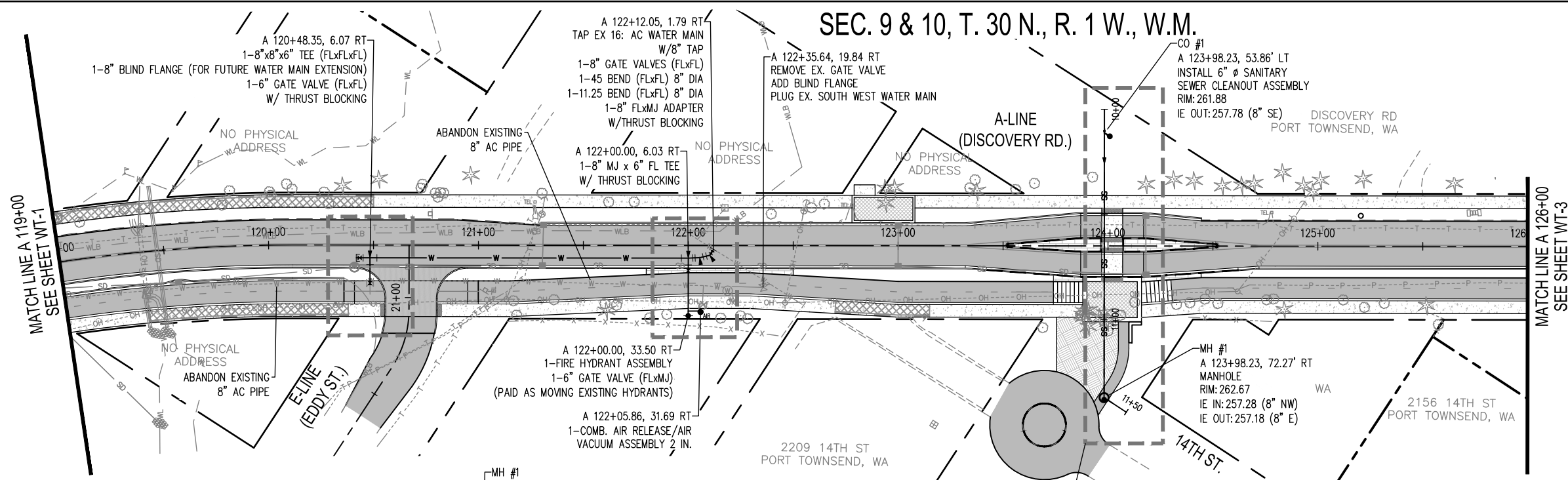
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DISCOVERY ROAD
BIKEWAY ROADWAY & SIDEWALK PROJECT
PORT TOWNSEND, WA
WATER/SEWER PLAN AND PROFILE
A 112+00 - A 119+00

DRAWING No.: WT-1
SHEET No.: 23 OF 71

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WATER LEGEND

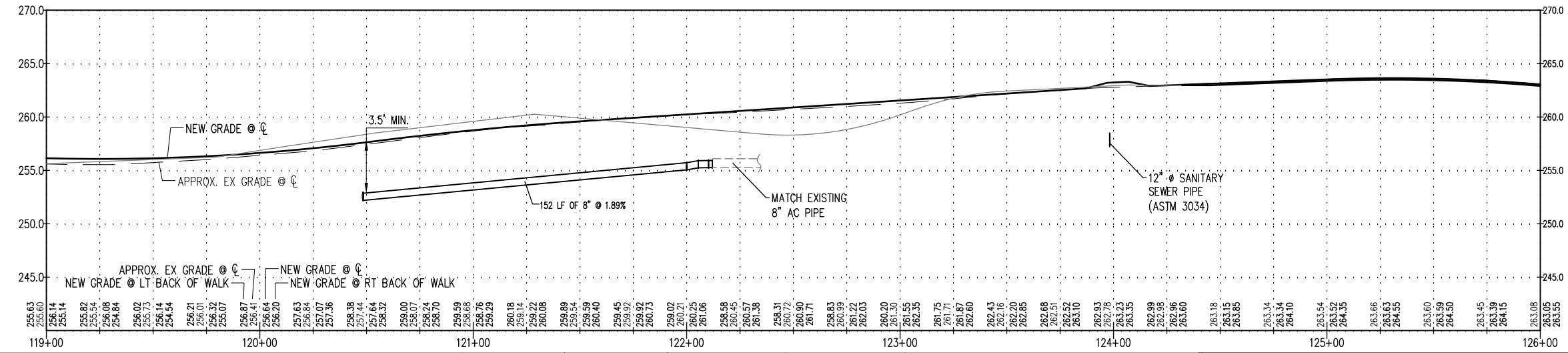
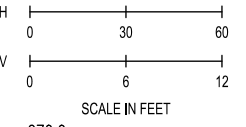
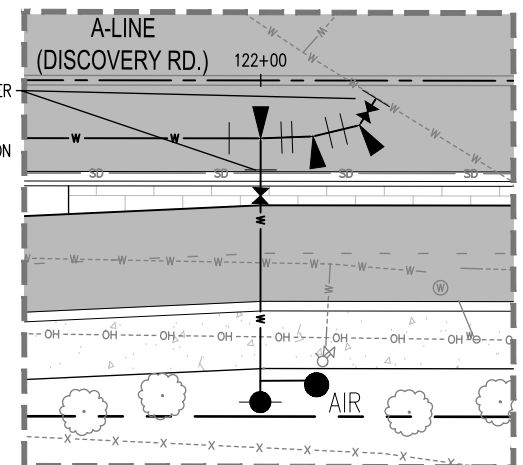
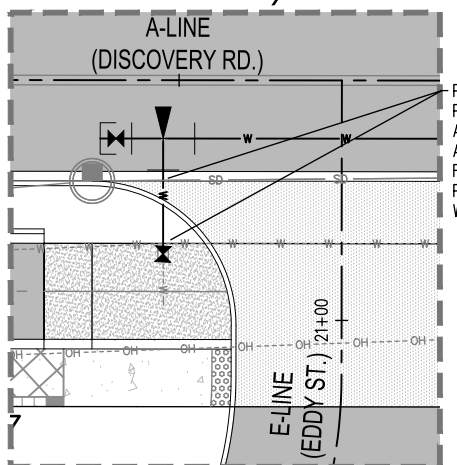
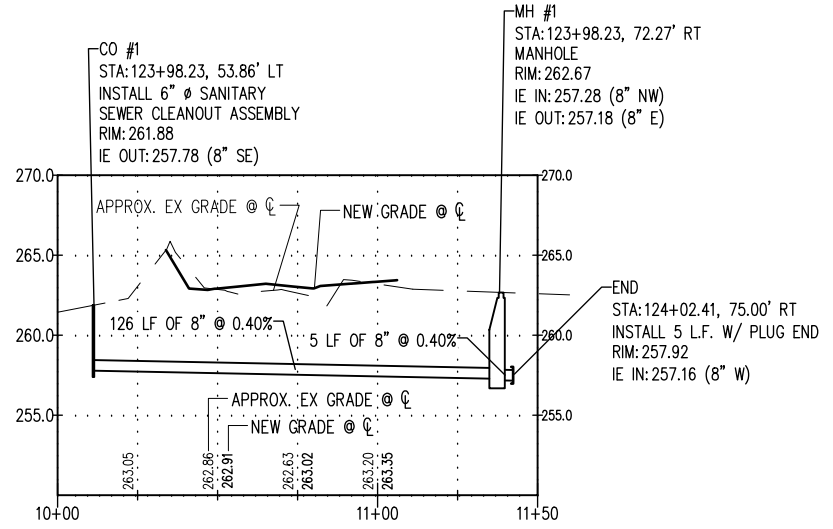
	EXISTING WATER MAIN		
	DUCTILE IRON PIPE FOR WATER MAIN 8 IN. DIAM.		
	FITTINGS	SEE PORT TOWNSEND STD. PLAN 2-15	
	BLOW OFF ASSEMBLY	SEE PORT TOWNSEND STD. PLAN 2-8	
	COMB. AIR RELEASE/AIR VACUUM VALVE ASSEMBLY 2 IN.	SEE PORT TOWNSEND STD. PLAN 2-7	
	WATER METER	SEE PORT TOWNSEND STD. PLAN 2-1	
	FIRE HYDRANT	SEE PORT TOWNSEND STD. PLAN 2-12	
	GATE VALVE	SEE PORT TOWNSEND STD. PLAN 2-6	
	THRUST BLOCKING	SEE PORT TOWNSEND STD. PLAN 2-10	

SANITARY SEWER LEGEND

	EXISTING SANITARY SEWER		
	EXISTING MANHOLE		
	SCHEDULE A STORM SEWER PIPE 12 IN. DIAM.		
	MANHOLE TYPE 1	WSDOT STD PLAN B-10.20	
	CLEANOUT	WSDOT STD PLAN B-85.40	
	DIRECTION OF FLOW		

GENERAL NOTES

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- ALL WATER PIPE SHALL BE CLASS 52 DUCTILE IRON.



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DESIGNED BY: B CONNOLLY	ISSUE DATE: 10/22/2022
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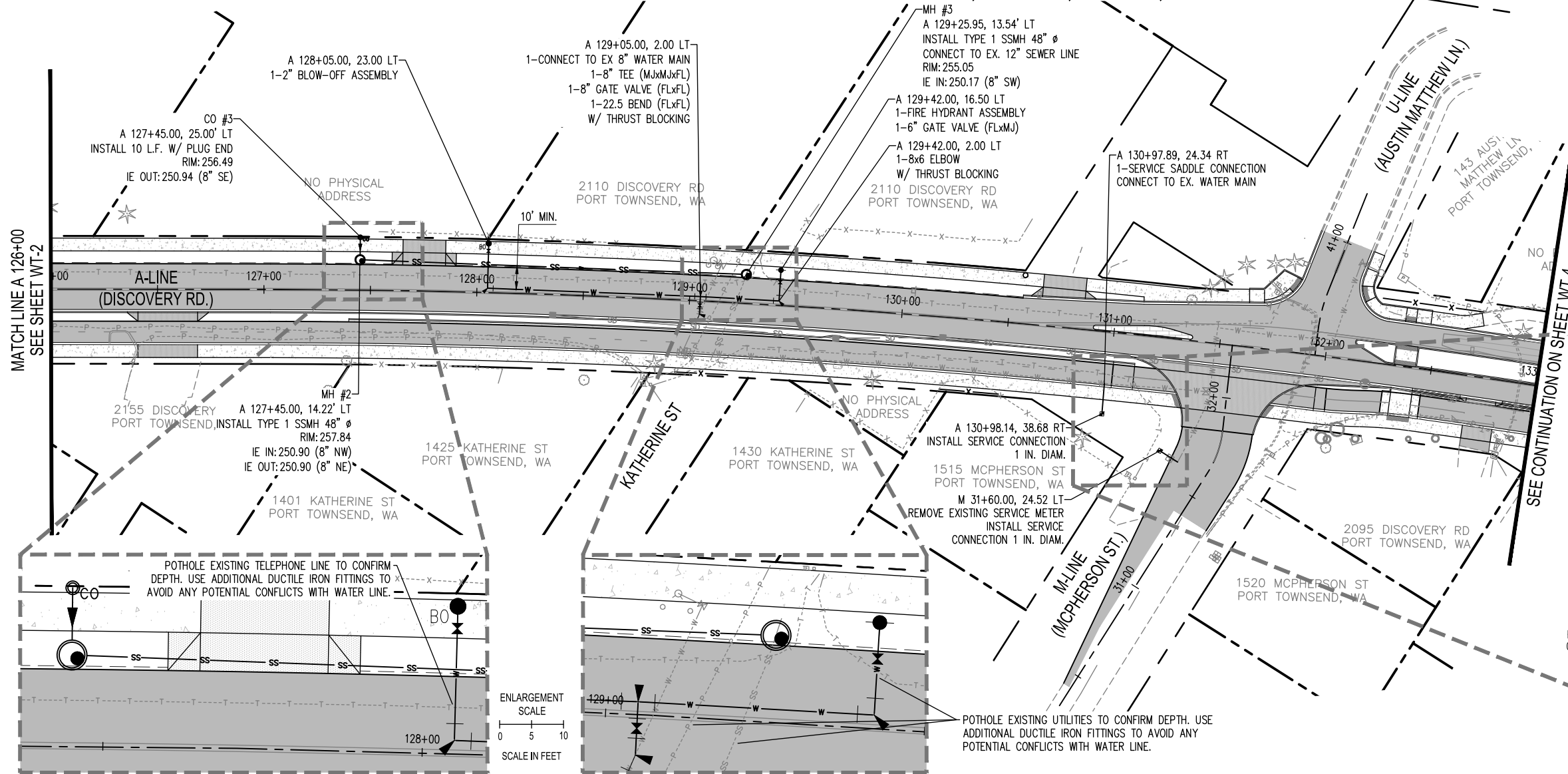
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PORT TOWNSEND, WA
WATER/SEWER PLAN AND PROFILE
A 119+00 - A 126+00

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SHEET No.: 24 OF 71

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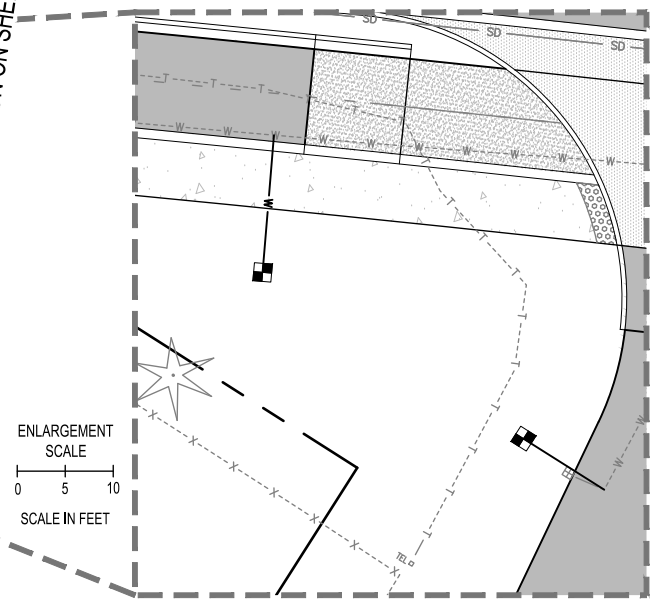
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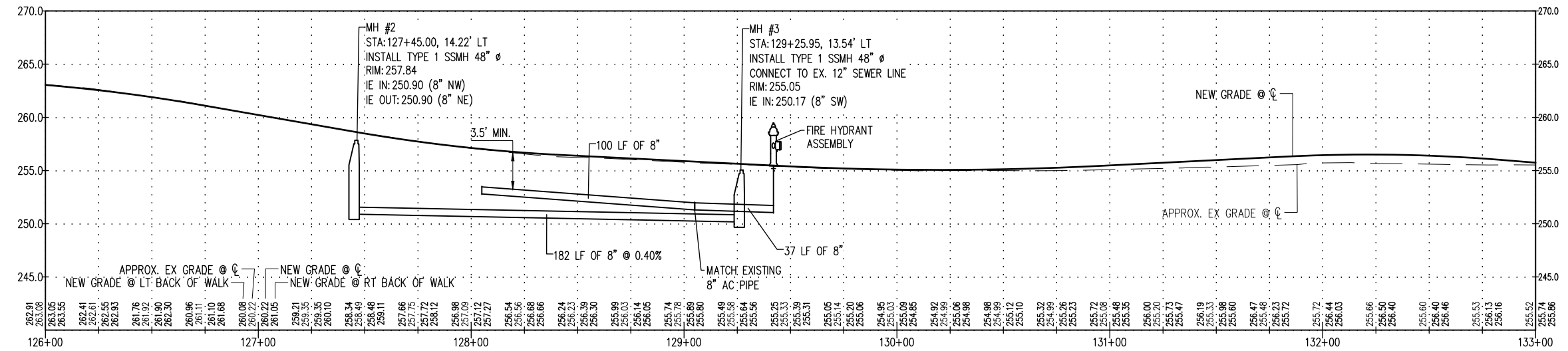


WATER LEGEND	
	EXISTING WATER MAIN
	DUCTILE IRON PIPE FOR WATER MAIN 8 IN. DIAM.
	FITTINGS SEE PORT TOWNSEND STD. PLAN 2-15
	BLOW OFF ASSEMBLY SEE PORT TOWNSEND STD. PLAN 2-8
	COMB. AIR RELEASE/AIR VACUUM VALVE ASSEMBLY 2 IN. SEE PORT TOWNSEND STD. PLAN 2-7
	WATER METER SEE PORT TOWNSEND STD. PLAN 2-1
	FIRE HYDRANT SEE PORT TOWNSEND STD. PLAN 2-12
	GATE VALVE SEE PORT TOWNSEND STD. PLAN 2-6
	THRUST BLOCKING SEE PORT TOWNSEND STD. PLAN 2-10

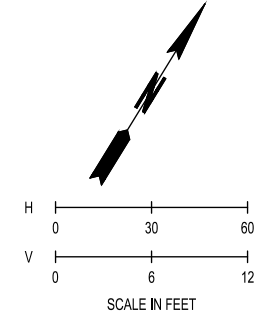
SEE WT-2 FOR WATER GENERAL NOTES



ENLARGEMENT SCALE
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SCALE IN FEET



SANITARY SEWER LEGEND	
	EXISTING SANITARY SEWER
	EXISTING MANHOLE
	SCHEDULE A STORM SEWER PIPE 12 IN. DIAM.
	MANHOLE TYPE 1 WSDOT STD PLAN B-10.20
	CLEANOUT WSDOT STD PLAN B-85.40
	DIRECTION OF FLOW



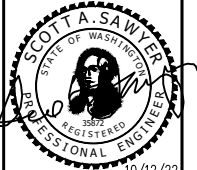
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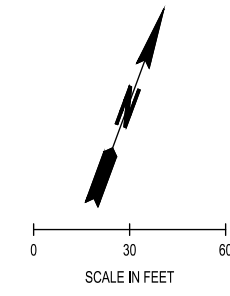
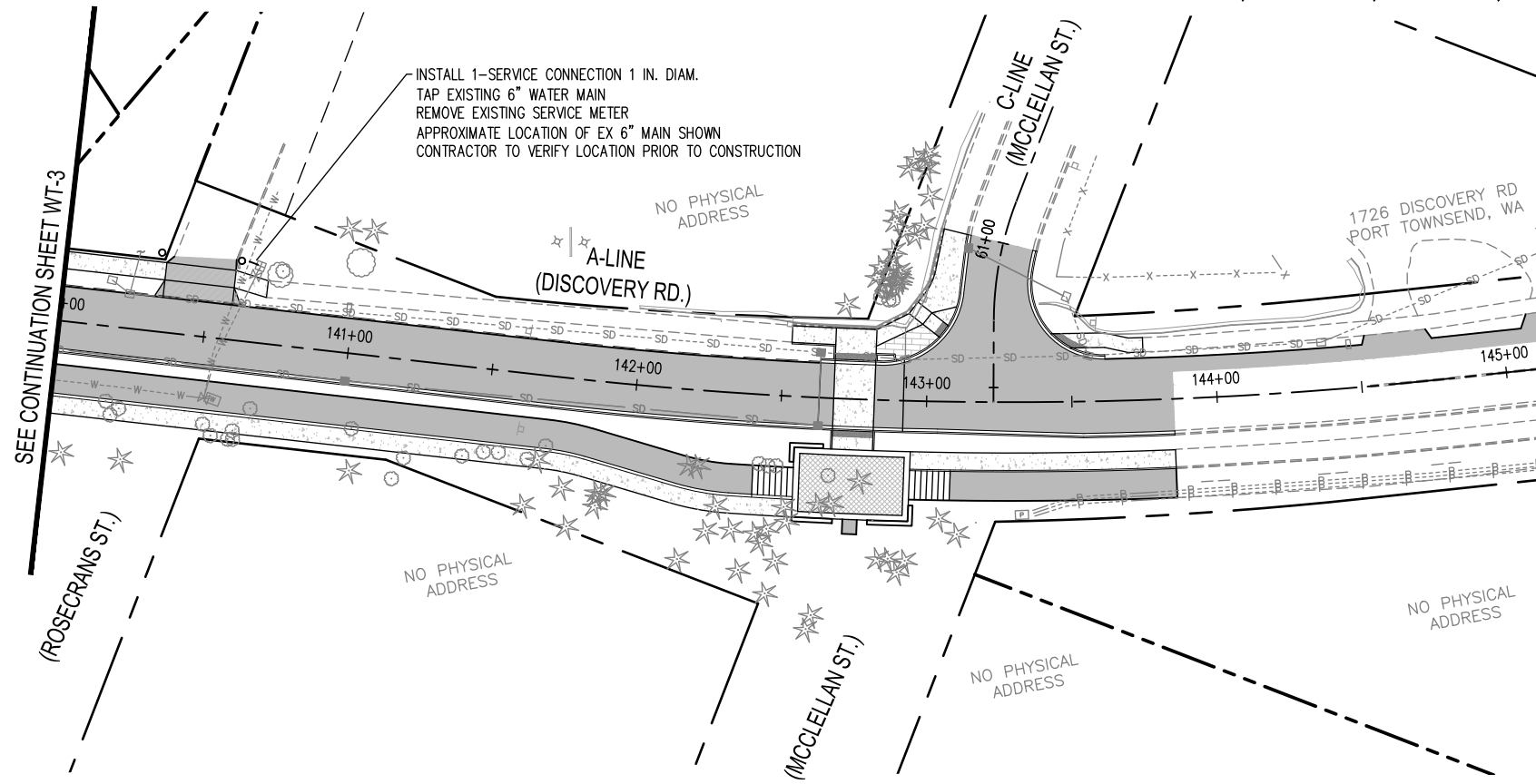
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WATER/SEWER PLAN AND PROFILE A 126+00 - A 133+00		SHEET No.:	25 OF 71

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SEC. 9 & 10, T. 30 N., R. 1 W., W.M.



WATER LEGEND

---	EXISTING WATER MAIN		
—W—	DUCTILE IRON PIPE FOR WATER MAIN 8 IN. DIAM.		
+	FITTINGS	SEE PORT TOWNSEND STD. PLAN 2-15	
BO	BLOW OFF ASSEMBLY	SEE PORT TOWNSEND STD. PLAN 2-8	
AV	COMB. AIR RELEASE/AIR VACUUM VALVE ASSEMBLY 2 IN.	SEE PORT TOWNSEND STD. PLAN 2-7	
W	WATER METER	SEE PORT TOWNSEND STD. PLAN 2-1	
F	FIRE HYDRANT	SEE PORT TOWNSEND STD. PLAN 2-12	
G	GATE VALVE	SEE PORT TOWNSEND STD. PLAN 2-6	
T	THRUST BLOCKING	SEE PORT TOWNSEND STD. PLAN 2-10	

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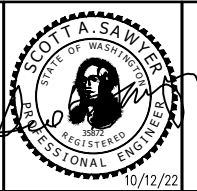
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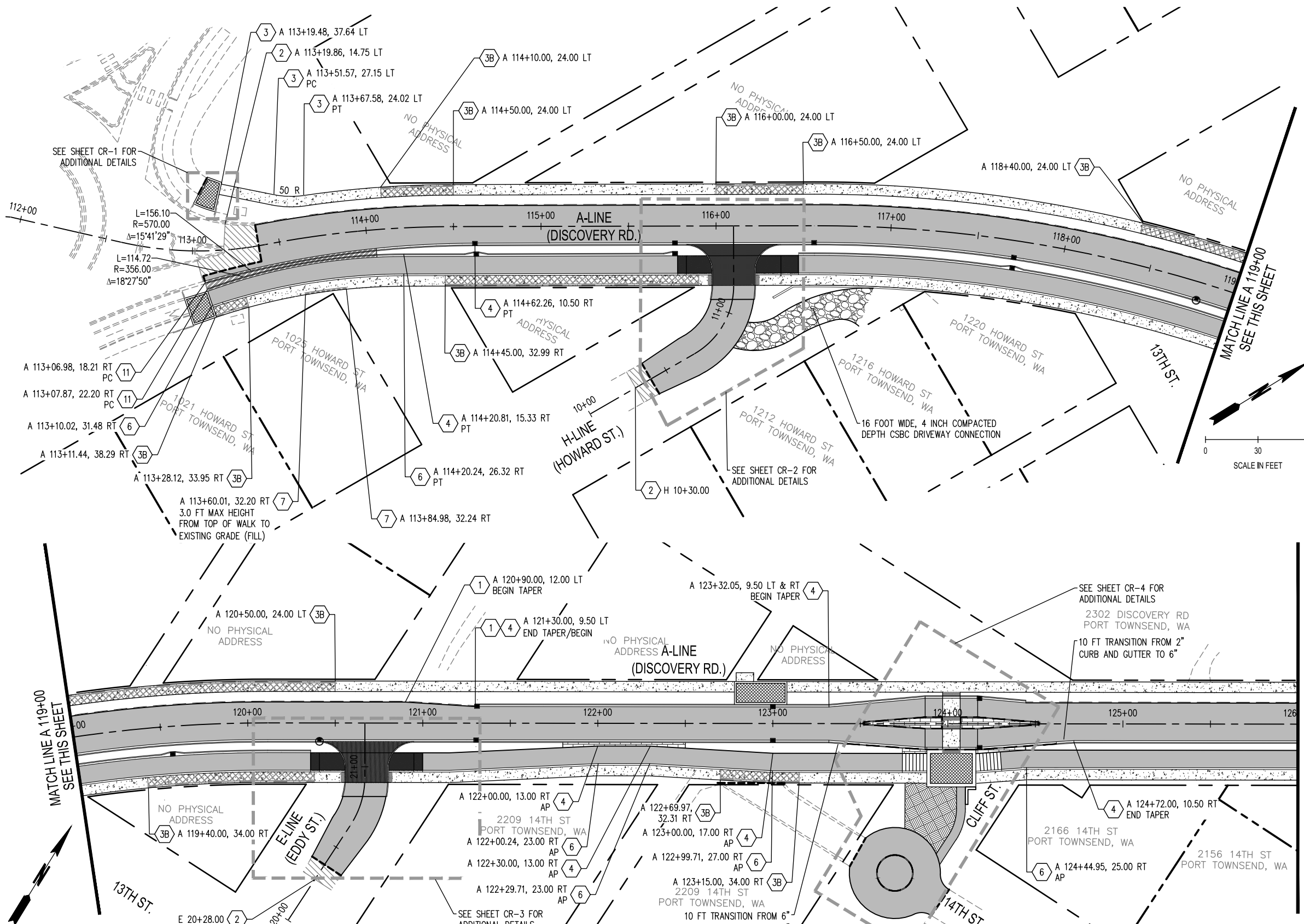


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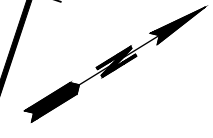
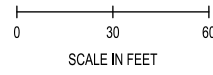


DISCOVERY ROAD BIKEWAY ROADWAY & SIDEWALK PROJECT PORT TOWNSEND, WA	DRAWING No.: WT-4
WATER/SEWER PLAN AND PROFILE A 140+00 - A 146+00	SHEET No.: 26 OF 71

SEC. 9 & 10, T. 30 N., R. 1 W., W.M.



PAVING LEGEND		
---	SAWCUT	SEE RM-1
[Symbol 1]	1 HMA CLASS 1/2 IN. PG 58H	SEE XS-1
[Symbol 2]	2 INLAY HMA CLASS 1/2 IN. PG 58H	SEE XS-2
[Symbol 3]	3 CEMENT CONC. SIDEWALK	WSDOT STD PLAN F-30.10
[Symbol 3B]	3B MONOLITHIC CEMENT CONC. CURB AND SIDEWALK	WSDOT STD PLAN F-30.10
[Symbol 4]	4 CEMENT CONC. TRAFFIC CURB AND GUTTER	WSDOT STD PLAN F-10.12
[Symbol 5]	5 CEMENT CONC. TRAFFIC CURB	WSDOT STD PLAN F-10.12
[Symbol 6]	6 2" CEMENT CONC. WEDGE CURB	SEE XS-2
[Symbol 7]	7 GRAVITY BLOCK WALL	
[Symbol 8]	8 CEDAR FENCE	
[Symbol 9]	9 2" CEMENT CONC. TRAFFIC CURB AND GUTTER	WSDOT STD PLAN F-10.12
[Symbol 10]	10 2" CEMENT CONC. TRAFFIC CURB	SEE XS-1
[Symbol 11]	11 DUAL-FACED CEMENT CONC. TRAFFIC CURB	SEE XS-2
[Symbol 12]	TEXTURED CEMENT CONC. PAVEMENT	
[Symbol 13]	CEMENT CONC. PAVEMENT	SEE L1.0
[Symbol 14]	GRASSCRETE	SEE SPECIAL PROVISIONS 8-05
[Symbol 15]	4" COMPACTED DEPTH CSBC DRIVEWAY	
[Symbol 16]	CEMENT CONC. DRIVEWAY (6" CONC. DEPTH)	
[Symbol 17]	CEMENT CONC. BIKE RAMP (4" CONC. DEPTH)	
[Symbol 18]	* DETECTABLE WARNING SURFACE	WSDOT STD PLAN F-45.10
[Symbol 19]	* DETECTABLE WARNING PLATES PAY ITEM ONLY USED WHEN INSTALLED IN INSTANCES WITHOUT A CEMENT CONC. CURB RAMP. CEMENT CONC. CURB RAMP PAY ITEM INCLUDES DETECTABLE WARNING PLATE. SEE SPECIAL PROVISIONS 8-14.2 FOR WARNING PLATE TYPE.	
[Symbol 20]	CATCH BASINS, SEE PLAN AND PROFILES FOR FURTHER DETAILS	



04/12/2022 1:17:15pm User: mweyrauch
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REVISIONS	DATE	BY	DESIGNED BY:	ISSUE DATE:
			M WEYRAUCH	10/22/2022
			D HALL	0699.14
			S SAWYER	0699.14 PV-01

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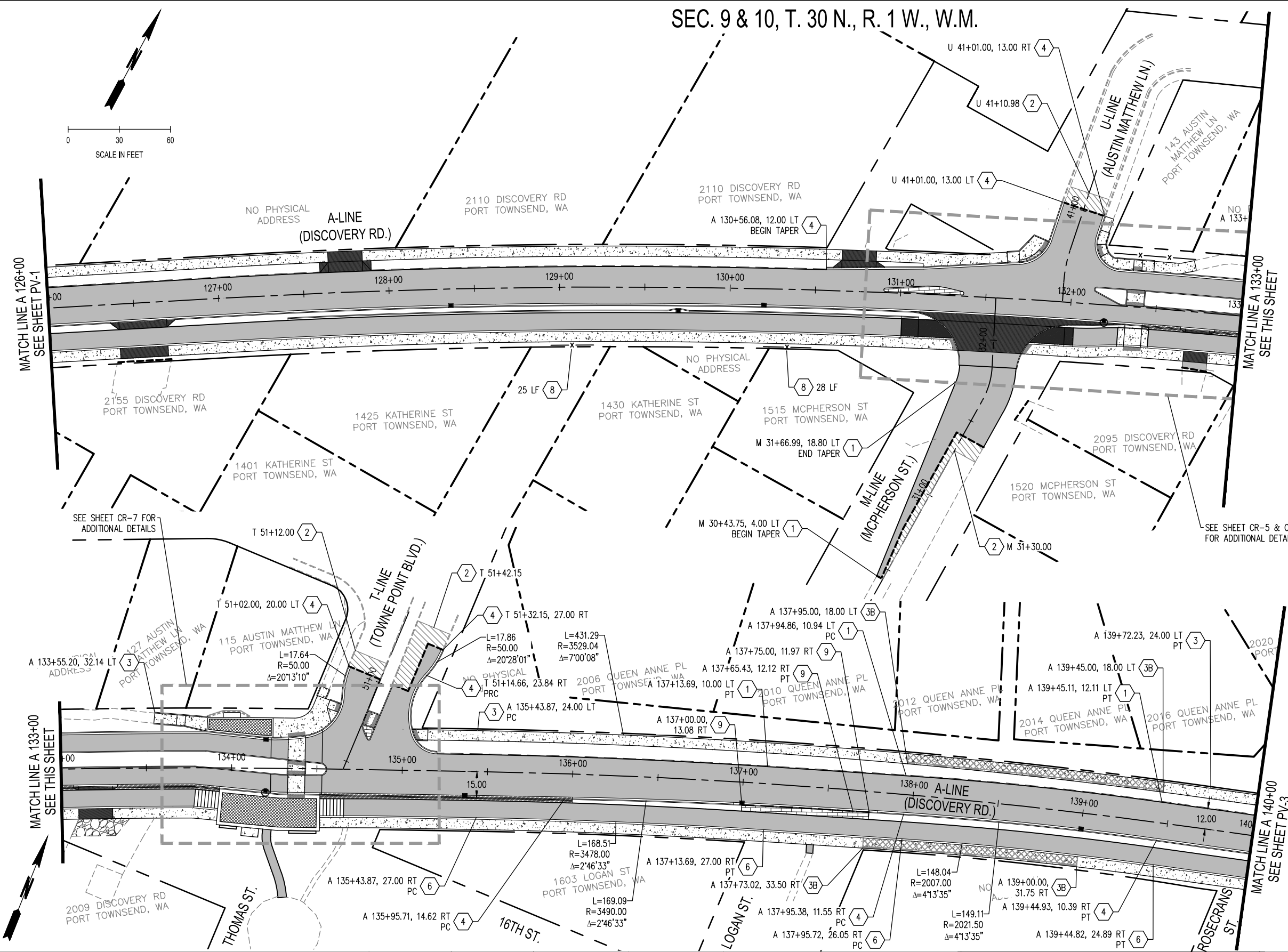
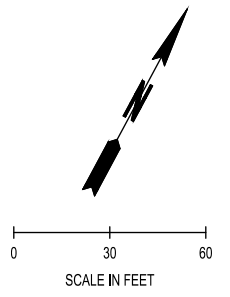
City of **Port Townsend**

DISCOVERY ROAD
 BIKEWAY ROADWAY & SIDEWALK PROJECT
 PORT TOWNSEND, WA

PAVING PLAN
 A 112+00 - A 126+00

DRAWING No.: PV-1
 SHEET No.: 27 OF 71

SEC. 9 & 10, T. 30 N., R. 1 W., W.M.



PAVING LEGEND		
	SAWCUT	SEE RM-1
	1 HMA CLASS 1/2 IN. PG 58H	SEE XS-1
	2 INLAY HMA CLASS 1/2 IN. PG 58H	SEE XS-2
	3 CEMENT CONC. SIDEWALK	WSDOT STD PLAN F-30.10
	3B MONOLITHIC CEMENT CONC. CURB AND SIDEWALK	WSDOT STD PLAN F-30.10
	4 CEMENT CONC. TRAFFIC CURB AND GUTTER	WSDOT STD PLAN F-10.12
	5 CEMENT CONC. TRAFFIC CURB	WSDOT STD PLAN F-10.12
	6 2" CEMENT CONC. WEDGE CURB	SEE XS-2
	7 GRAVITY BLOCK WALL	
	8 CEDAR FENCE	
	9 2" CEMENT CONC. TRAFFIC CURB AND GUTTER	WSDOT STD PLAN F-10.12
	10 2" CEMENT CONC. TRAFFIC CURB	SEE XS-1
	11 DUAL-FACED CEMENT CONC. TRAFFIC CURB	SEE XS-2
	TEXTURED CEMENT CONC. PAVEMENT	
	CEMENT CONC. PAVEMENT	SEE L1.0
	GRASSCRETE	SEE SPECIAL PROVISIONS 8-05
	4" COMPACTED DEPTH CSBC DRIVEWAY	
	CEMENT CONC. DRIVEWAY (6" CONC. DEPTH)	
	CEMENT CONC. BIKE RAMP (4" CONC. DEPTH)	
	* DETECTABLE WARNING SURFACE	WSDOT STD PLAN F-45.10
	CATCH BASINS, SEE PLAN AND PROFILES FOR FURTHER DETAILS	

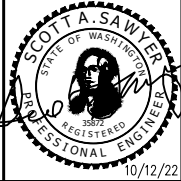
* DETECTABLE WARNING PLATES PAY ITEM ONLY USED WHEN INSTALLED IN INSTANCES WITHOUT A CEMENT CONC. CURB RAMP. CEMENT CONC. CURB RAMP PAY ITEM INCLUDES DETECTABLE WARNING PLATE. SEE SPECIAL PROVISIONS 8-14.2 FOR WARNING PLATE TYPE.

04/12/2022 1:17:28pm User: tom.hartman
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REVISIONS	DATE	BY	DESIGNED BY:	ISSUE DATE:
			M WEYRAUCH	10/22/2022
			D HALL	JOB No.: 0699.14
			S SAWYER	DRAWING FILE No.: 0699.14 PV-01

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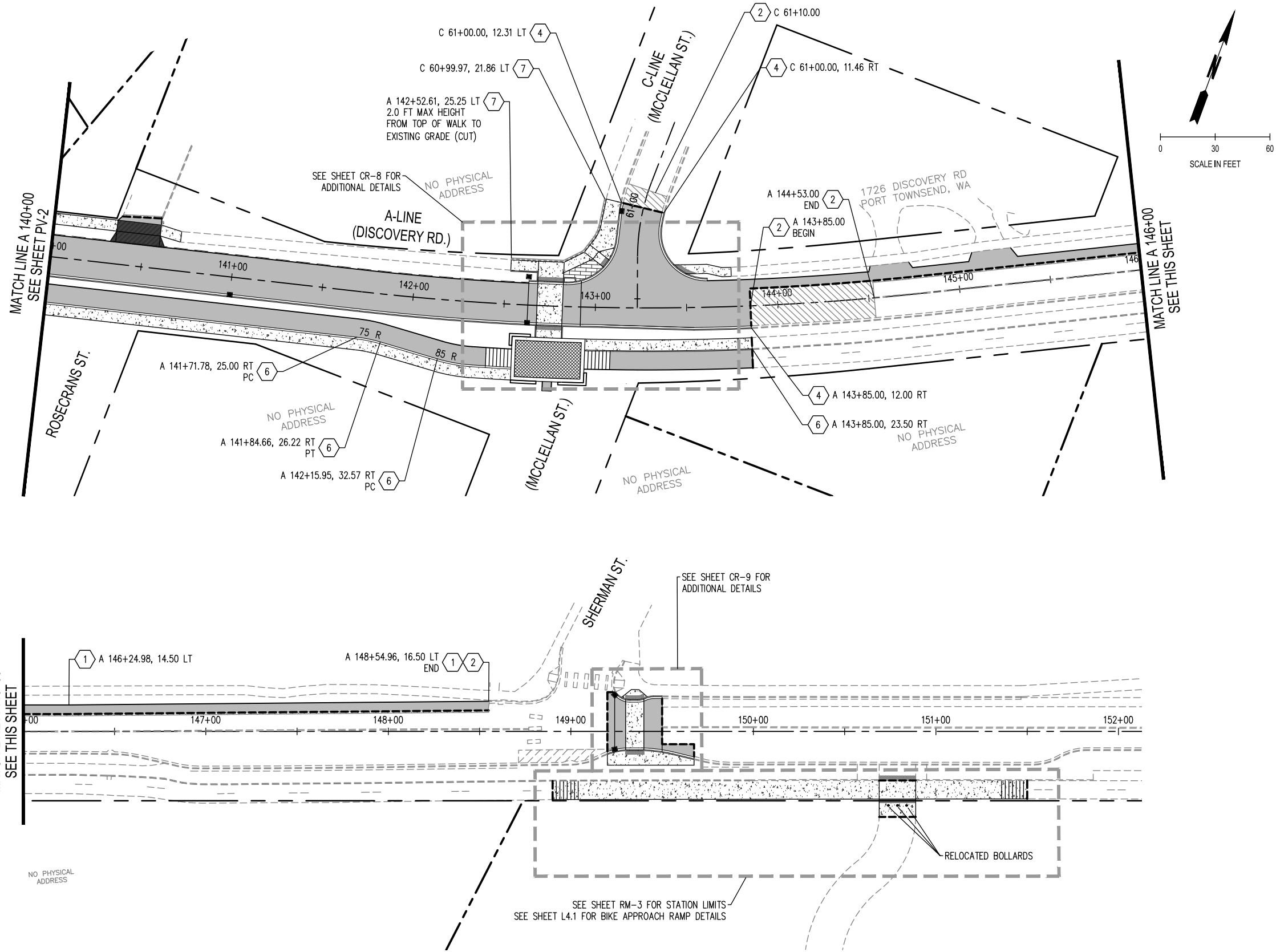
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DISCOVERY ROAD
 BIKEWAY ROADWAY & SIDEWALK PROJECT
 PORT TOWNSEND, WA
 PAVING PLAN
 A 126+00 - A 140+00

DRAWING No.: PV-2
 SHEET No.: 28 OF 71

SEC. 9 & 10, T. 30 N., R. 1 W., W.M.



PAVING LEGEND		
	SAWCUT	SEE RM-1
	1 HMA CLASS 1/2 IN. PG 58H	SEE XS-1
	2 INLAY HMA CLASS 1/2 IN. PG 58H	SEE XS-2
	3 CEMENT CONC. SIDEWALK	WSDOT STD PLAN F-30.10
	3B MONOLITHIC CEMENT CONC. CURB AND SIDEWALK	WSDOT STD PLAN F-30.10
	4 CEMENT CONC. TRAFFIC CURB AND GUTTER	WSDOT STD PLAN F-10.12
	5 CEMENT CONC. TRAFFIC CURB	WSDOT STD PLAN F-10.12
	6 2" CEMENT CONC. WEDGE CURB	SEE XS-2
	7 GRAVITY BLOCK WALL	
	8 CEDAR FENCE	
	9 2" CEMENT CONC. TRAFFIC CURB AND GUTTER	WSDOT STD PLAN F-10.12
	10 2" CEMENT CONC. TRAFFIC CURB	SEE XS-1
	11 DUAL-FACED CEMENT CONC. TRAFFIC CURB	SEE XS-2
	TEXTURED CEMENT CONC. PAVEMENT	
	CEMENT CONC. PAVEMENT	SEE L1.0
	GRASSCRETE	SEE SPECIAL PROVISIONS 8-05
	4" COMPACTED DEPTH CSBC DRIVEWAY	
	CEMENT CONC. DRIVEWAY (6" CONC. DEPTH)	
	CEMENT CONC. BIKE RAMP (4" CONC. DEPTH)	
	* DETECTABLE WARNING SURFACE	WSDOT STD PLAN F-45.10
	CATCH BASINS, SEE PLAN AND PROFILES FOR FURTHER DETAILS	

* DETECTABLE WARNING PLATES PAY ITEM ONLY USED WHEN INSTALLED IN INSTANCES WITHOUT A CEMENT CONC. CURB RAMP. CEMENT CONC. CURB RAMP PAY ITEM INCLUDES DETECTABLE WARNING PLATE. SEE SPECIAL PROVISIONS 8-14.2 FOR WARNING PLATE TYPE.

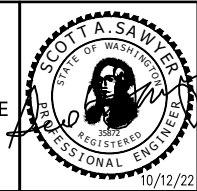
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REVISIONS	DATE	BY	DESIGNED BY:	ISSUE DATE:
			M WEYRAUCH	10/22/2022
			D HALL	JOB No.: 0699.14
			S SAWYER	DRAWING FILE No.: 0699.14 PV-01

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SEE SHEET RM-3 FOR STATION LIMITS
SEE SHEET L4.1 FOR BIKE APPROACH RAMP DETAILS



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DISCOVERY ROAD BIKEWAY ROADWAY & SIDEWALK PROJECT PORT TOWNSEND, WA	DRAWING No.: PV-3
PAVING PLAN A 140+00 - A 152+00	SHEET No.: 29 OF 71

PAVING LEGEND

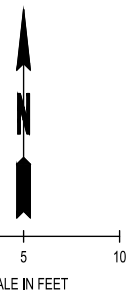
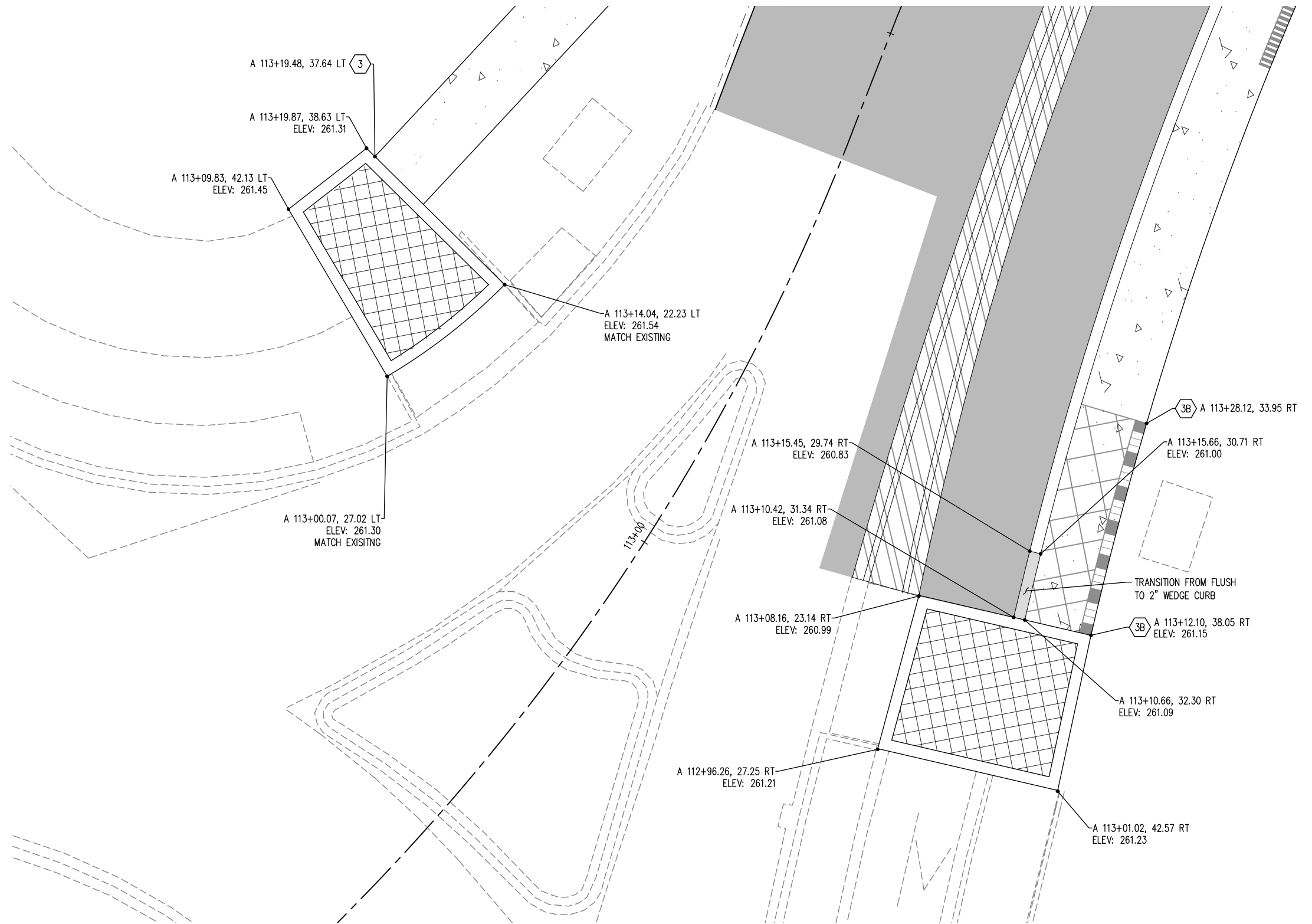
	1 HMA CLASS 1/2 IN. PG 58H	SEE XS-1
	2 INLAY HMA CLASS 1/2 IN. PG 58H	SEE XS-2
	3 CEMENT CONC. SIDEWALK	WSDOT STD PLAN F-30.10
	3B MONOLITHIC CEMENT CONC. CURB AND SIDEWALK	WSDOT STD PLAN F-30.10
	TEXTURED CEMENT CONC. PAVEMENT	
	CEMENT CONC. PAVEMENT	SEE L1.0
	GRASSCRETE	SEE SPECIAL PROVISIONS 8-05
	4" COMPACTED DEPTH CSBC DRIVEWAY	
	CEMENT CONC. DRIVEWAY (6" CONC. DEPTH)	
	CEMENT CONC. BIKE RAMP (4" CONC. DEPTH)	
	* DETECTABLE WARNING PLATE	WSDOT STD PLAN F-45.10

* DETECTABLE WARNING PLATES PAY ITEM ONLY USED WHEN INSTALLED IN INSTANCES WITHOUT A CEMENT CONC. CURB RAMP. CEMENT CONC. CURB RAMP PAY ITEM INCLUDES DETECTABLE WARNING PLATE. SEE SPECIAL PROVISIONS 8-14.2 FOR WARNING PLATE TYPE.

CONSTRUCTION NOTES

(PER PAVING PLANS LEGEND)

	4 CEMENT CONC. TRAFFIC CURB AND GUTTER	WSDOT STD PLAN F-10.12
	5 CEMENT CONC. TRAFFIC CURB	WSDOT STD PLAN F-10.12
	6 2" CEMENT CONC. WEDGE CURB	SEE XS-2
	11 DUAL-FACED CEMENT CONC. TRAFFIC CURB	SEE XS-2



04_12_2022 1:18:35pm User: tom.lawrence V:\PROJECTS\0699_14 CR-01\DISCOVERY ROAD BIKEWAY AND SIDEWALKS\CADD\0699_14 CR-01_05.DWG

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REVISIONS	DATE	BY	DESIGNED BY:	ISSUE DATE:
			M WEYRAUCH	10/22/2022
			DRAWN BY:	JOB No.:
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			CHECKED BY:	DRAWING FILE No.:
			S SAWYER	0699_14 CR-01_05

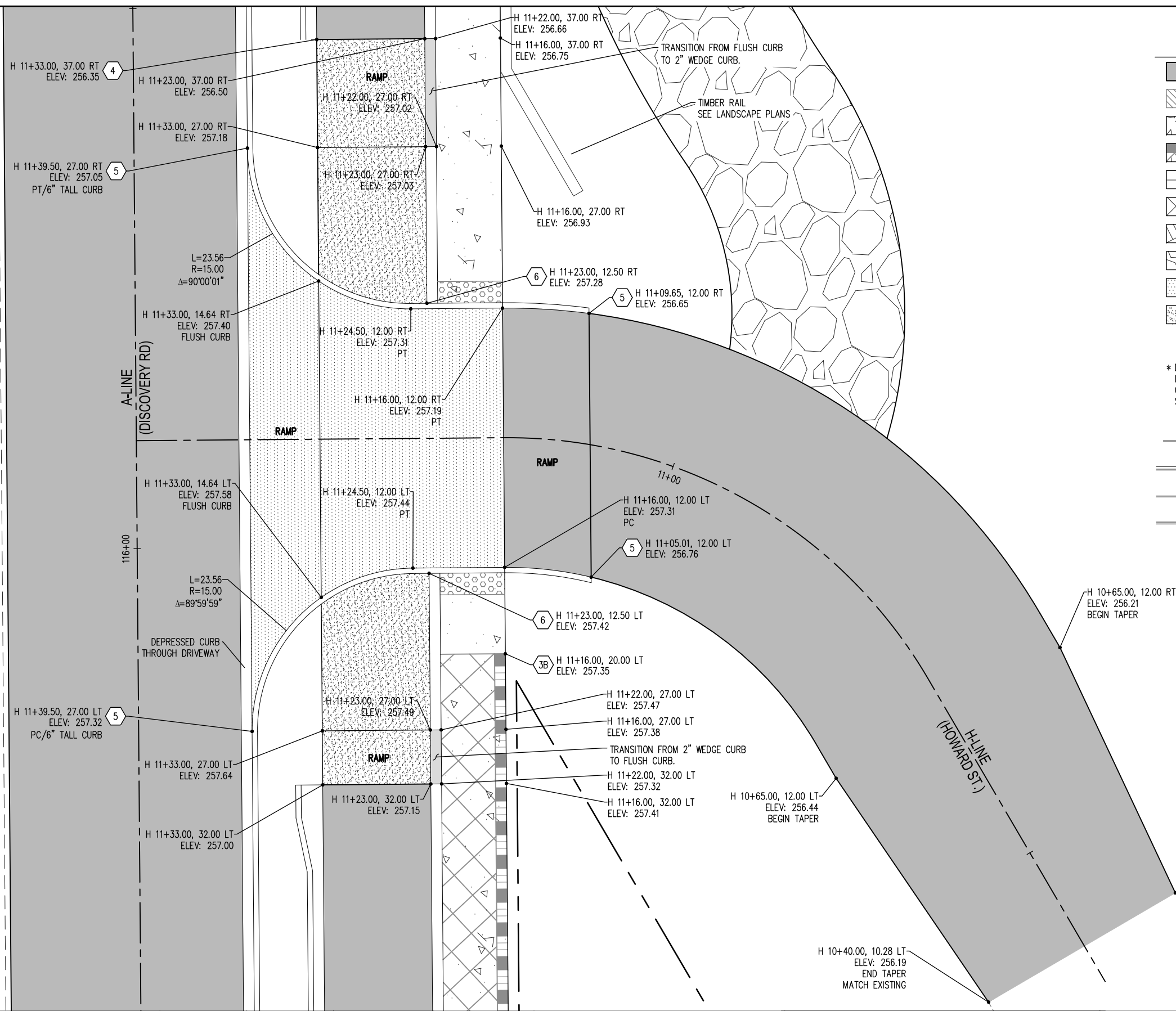
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City of **Port Townsend**

DISCOVERY ROAD
BIKEWAY ROADWAY & SIDEWALK PROJECT
PORT TOWNSEND, WA
CURB RAMP AND INTERSECTION DETAILS

DRAWING No.: CR-1
SHEET No.: 30 OF 71



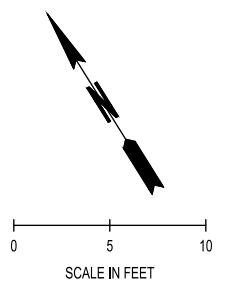
PAVING LEGEND

- 1 HMA CLASS 1/2 IN. PG 58H SEE XS-1
- 2 INLAY HMA CLASS 1/2 IN. PG 58H SEE XS-2
- 3 CEMENT CONC. SIDEWALK WSDOT STD PLAN F-30.10
- 3B MONOLITHIC CEMENT CONC. CURB AND SIDEWALK WSDOT STD PLAN F-30.10
- TEXTURED CEMENT CONC. PAVEMENT
- CEMENT CONC. PAVEMENT SEE L1.0
- GRASSCRETE SEE SPECIAL PROVISIONS 8-05
- 4" COMPACTED DEPTH CSBC DRIVEWAY
- CEMENT CONC. DRIVEWAY (6" CONC. DEPTH)
- CEMENT CONC. BIKE RAMP (4" CONC. DEPTH)
- * DETECTABLE WARNING PLATE WSDOT STD PLAN F-45.10

* DETECTABLE WARNING PLATES PAY ITEM ONLY USED WHEN INSTALLED IN INSTANCES WITHOUT A CEMENT CONC. CURB RAMP. CEMENT CONC. CURB RAMP PAY ITEM INCLUDES DETECTABLE WARNING PLATE. SEE SPECIAL PROVISIONS 8-14.2 FOR WARNING PLATE TYPE.

CONSTRUCTION NOTES

- (PER PAVING PLANS LEGEND)
- 4 CEMENT CONC. TRAFFIC CURB AND GUTTER WSDOT STD PLAN F-10.12
 - 5 CEMENT CONC. TRAFFIC CURB WSDOT STD PLAN F-10.12
 - 6 2" CEMENT CONC. WEDGE CURB SEE XS-2



04.12.2022 1:16:35pm - User: tom.wright - V:\PROJECTS\0699.14 CR-01_05.DWG

REVISIONS	DATE	BY	DESIGNED BY:	ISSUE DATE:
			M WEYRAUCH	10/22/2022
			DRAWN BY:	JOB No.:
			D HALL	0699.14
			CHECKED BY:	DRAWING FILE No.:
			S SAWYER	0699.14 CR-01_05

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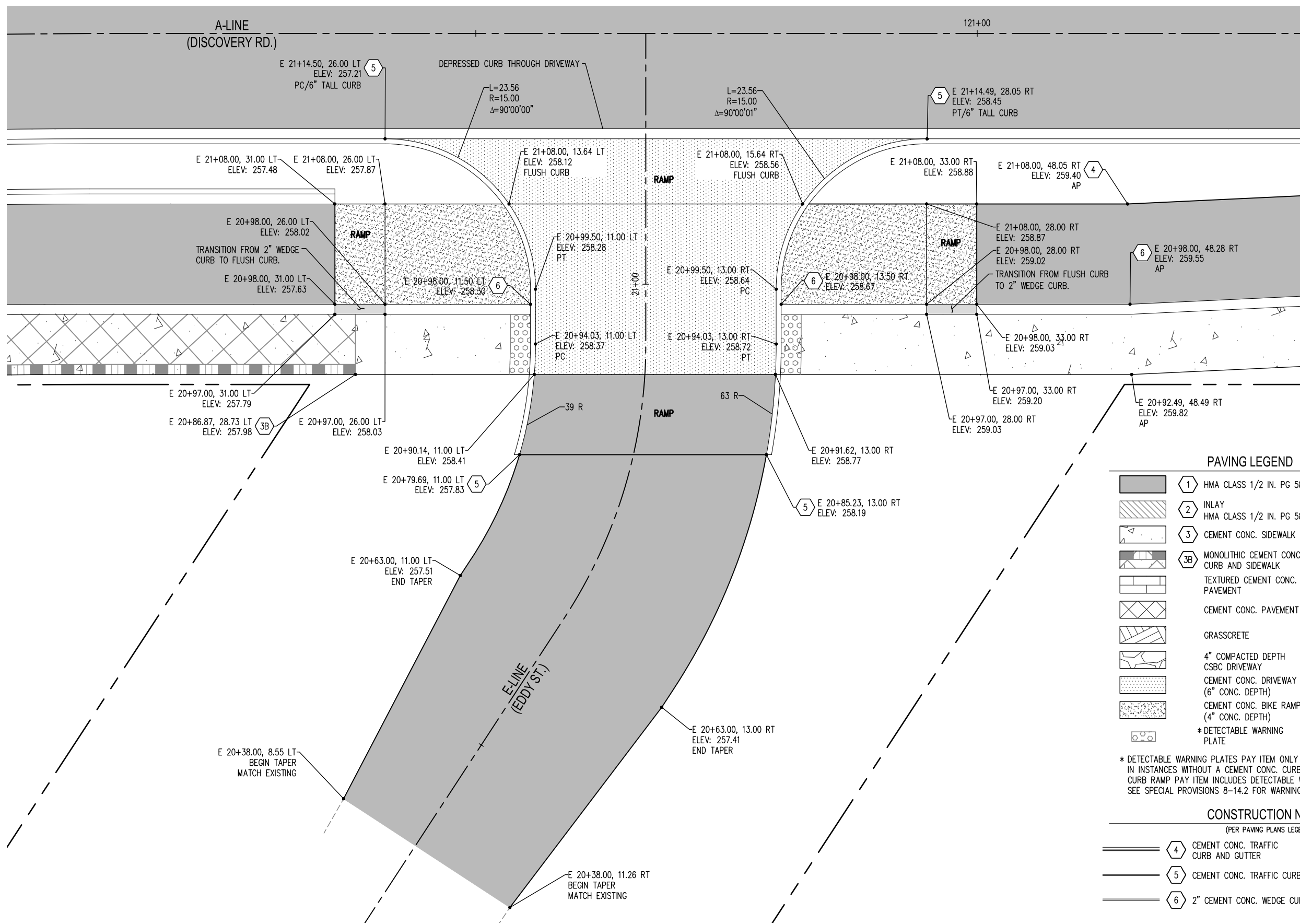
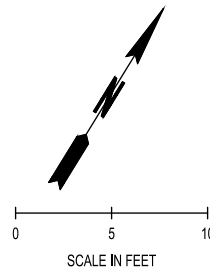
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DISCOVERY ROAD
 BIKEWAY ROADWAY & SIDEWALK PROJECT
 PORT TOWNSEND, WA

CURB RAMP AND INTERSECTION DETAILS

DRAWING No.: CR-2
 SHEET No.: 31 OF 71



PAVING LEGEND		
	1 HMA CLASS 1/2 IN. PG 58H	SEE XS-1
	2 INLAY HMA CLASS 1/2 IN. PG 58H	SEE XS-2
	3 CEMENT CONC. SIDEWALK	WSDOT STD PLAN F-30.10
	3B MONOLITHIC CEMENT CONC. CURB AND SIDEWALK	WSDOT STD PLAN F-30.10
	TEXTURED CEMENT CONC. PAVEMENT	
	CEMENT CONC. PAVEMENT	SEE L1.0
	GRASSCRETE	SEE SPECIAL PROVISIONS 8-05
	4" COMPACTED DEPTH CSBC DRIVEWAY	
	CEMENT CONC. DRIVEWAY (6" CONC. DEPTH)	
	CEMENT CONC. BIKE RAMP (4" CONC. DEPTH)	
	* DETECTABLE WARNING PLATE	WSDOT STD PLAN F-45.10

* DETECTABLE WARNING PLATES PAY ITEM ONLY USED WHEN INSTALLED IN INSTANCES WITHOUT A CEMENT CONC. CURB RAMP. CEMENT CONC. CURB RAMP PAY ITEM INCLUDES DETECTABLE WARNING PLATE. SEE SPECIAL PROVISIONS 8-14.2 FOR WARNING PLATE TYPE.

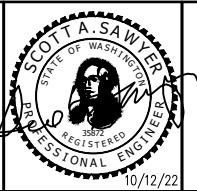
CONSTRUCTION NOTES		
(PER PAVING PLANS LEGEND)		
	4 CEMENT CONC. TRAFFIC CURB AND GUTTER	WSDOT STD PLAN F-10.12
	5 CEMENT CONC. TRAFFIC CURB	WSDOT STD PLAN F-10.12
	6 2" CEMENT CONC. WEDGE CURB	SEE XS-2

Oct 12, 2022 1:18:45pm User: mhall@scj.com
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REVISIONS	DATE	BY	DESIGNED BY:	ISSUE DATE:
			M WEYRAUCH	10/22/2022
			D HALL	JOB No.: 0699.14
			S SAWYER	DRAWING FILE No.: 0699.14 CR-01_05

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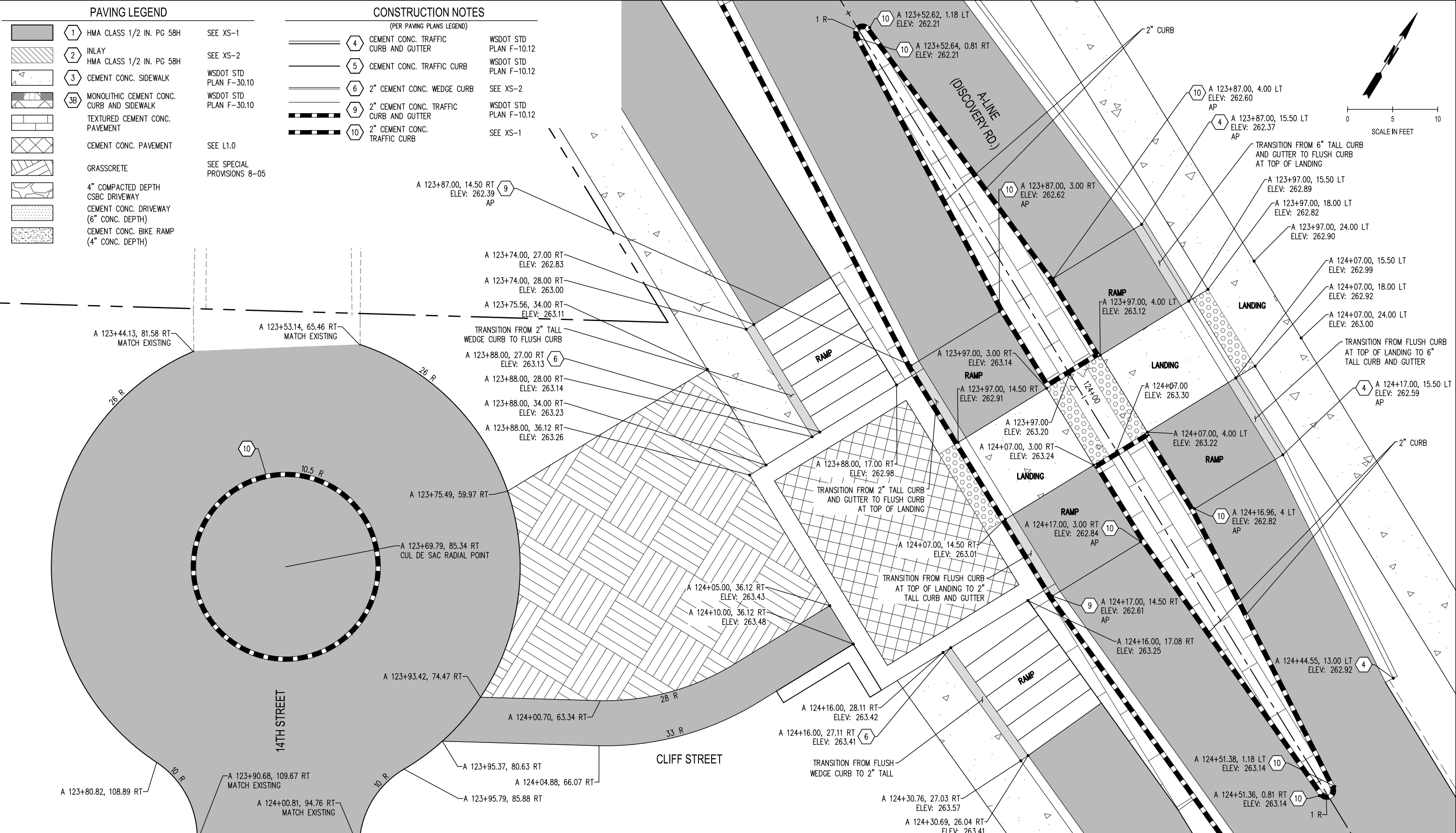
DISCOVERY ROAD BIKEWAY ROADWAY & SIDEWALK PROJECT PORT TOWNSEND, WA	DRAWING No.: CR-3
CURB RAMP AND INTERSECTION DETAILS	SHEET No.: 32 OF 71

PAVING LEGEND

- 1 HMA CLASS 1/2 IN. PG 58H SEE XS-1
- 2 INLAY HMA CLASS 1/2 IN. PG 58H SEE XS-2
- 3 CEMENT CONC. SIDEWALK WSDOT STD PLAN F-30.10
- 3B MONOLITHIC CEMENT CONC. CURB AND SIDEWALK WSDOT STD PLAN F-30.10
- TEXTURED CEMENT CONC. PAVEMENT WSDOT STD PLAN F-30.10
- CEMENT CONC. PAVEMENT SEE L1.0
- GRASSCRETE SEE SPECIAL PROVISIONS 8-05
- 4" COMPACTED DEPTH CSBC DRIVEWAY
- CEMENT CONC. DRIVEWAY (6" CONC. DEPTH)
- CEMENT CONC. BIKE RAMP (4" CONC. DEPTH)

CONSTRUCTION NOTES
(PER PAVING PLANS LEGEND)

- 4 CEMENT CONC. TRAFFIC CURB AND GUTTER WSDOT STD PLAN F-10.12
- 5 CEMENT CONC. TRAFFIC CURB WSDOT STD PLAN F-10.12
- 6 2" CEMENT CONC. WEDGE CURB SEE XS-2
- 9 2" CEMENT CONC. TRAFFIC CURB AND GUTTER WSDOT STD PLAN F-10.12
- 10 2" CEMENT CONC. TRAFFIC CURB SEE XS-1

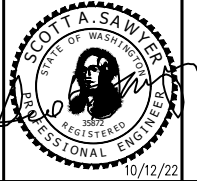


Oct 12, 2022 1:18:57pm - User: tommy.m...
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			M WEYRAUCH	10/22/2022
			D HALL	JOB No.: 0699.14
			S SAWYER	DRAWING FILE No.: 0699.14 CR-01_05

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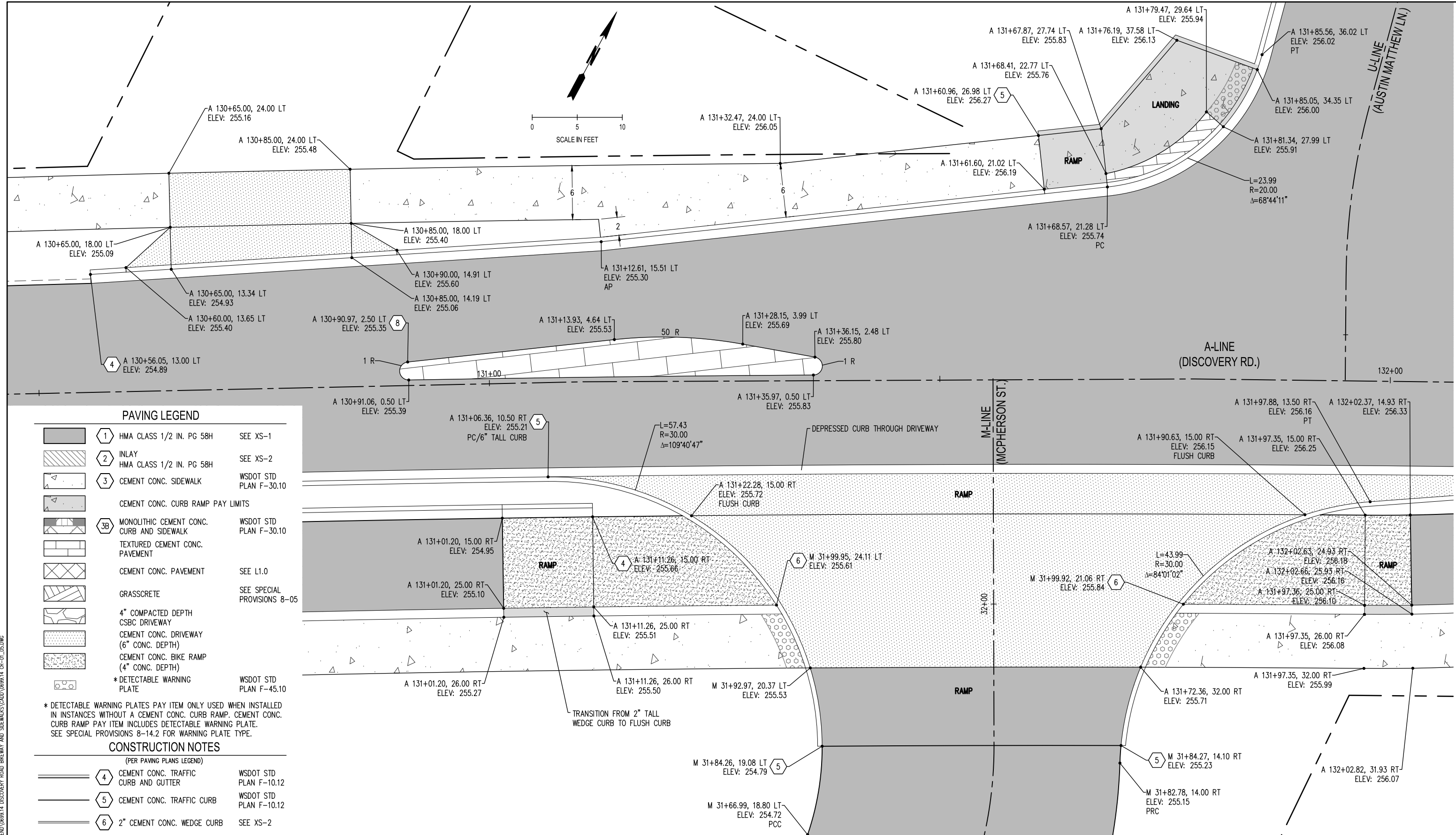


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DISCOVERY ROAD
BIKEWAY ROADWAY & SIDEWALK PROJECT
PORT TOWNSEND, WA
CURB RAMP AND INTERSECTION DETAILS

DRAWING No.: CR-4
SHEET No.: 33 OF 71



PAVING LEGEND

- 1 HMA CLASS 1/2 IN. PG 58H SEE XS-1
- 2 INLAY HMA CLASS 1/2 IN. PG 58H SEE XS-2
- 3 CEMENT CONC. SIDEWALK WSDOT STD PLAN F-30.10
- CEMENT CONC. CURB RAMP PAY LIMITS
- 3B MONOLITHIC CEMENT CONC. CURB AND SIDEWALK WSDOT STD PLAN F-30.10
- TEXTURED CEMENT CONC. PAVEMENT
- CEMENT CONC. PAVEMENT SEE L1.0
- GRASSCRETE SEE SPECIAL PROVISIONS 8-05
- 4" COMPACTED DEPTH CSBC DRIVEWAY
- CEMENT CONC. DRIVEWAY (6" CONC. DEPTH)
- CEMENT CONC. BIKE RAMP (4" CONC. DEPTH)
- * DETECTABLE WARNING PLATE WSDOT STD PLAN F-45.10

* DETECTABLE WARNING PLATES PAY ITEM ONLY USED WHEN INSTALLED IN INSTANCES WITHOUT A CEMENT CONC. CURB RAMP. CEMENT CONC. CURB RAMP PAY ITEM INCLUDES DETECTABLE WARNING PLATE. SEE SPECIAL PROVISIONS 8-14.2 FOR WARNING PLATE TYPE.

CONSTRUCTION NOTES

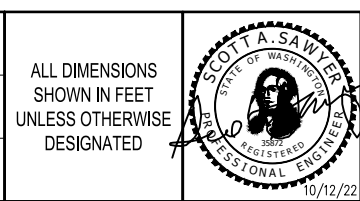
(PER PAVING PLANS LEGEND)

- 4 CEMENT CONC. TRAFFIC CURB AND GUTTER WSDOT STD PLAN F-10.12
- 5 CEMENT CONC. TRAFFIC CURB WSDOT STD PLAN F-10.12
- 6 2" CEMENT CONC. WEDGE CURB SEE XS-2

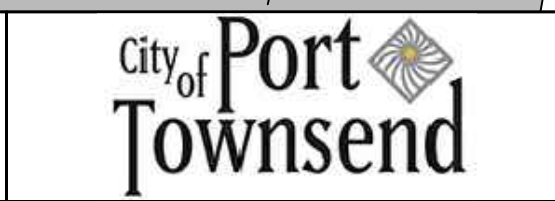
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			M WEYRAUCH	10/22/2022
			D HALL	0699.14
			S SAWYER	0699.14 CR-01_05

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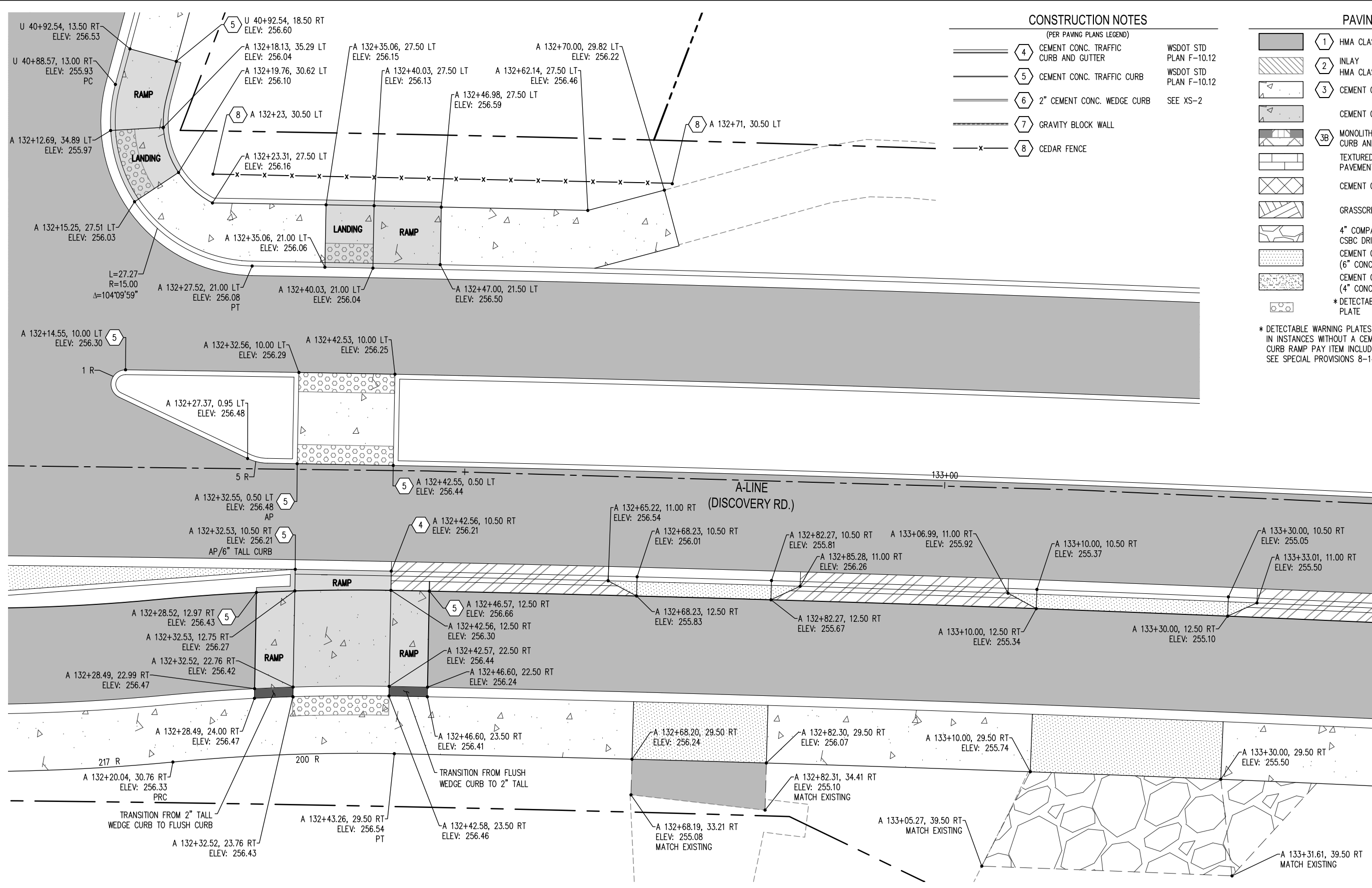
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DISCOVERY ROAD
BIKEWAY ROADWAY & SIDEWALK PROJECT
PORT TOWNSEND, WA
CURB RAMP AND INTERSECTION DETAILS

DRAWING No.: CR-5
SHEET No.: 34 OF 71

04/12/2022 1:16:53pm User: tom.henry@porttownsend.wa.gov V:\PROJECTS\0699.14 CR-01_05.DWG



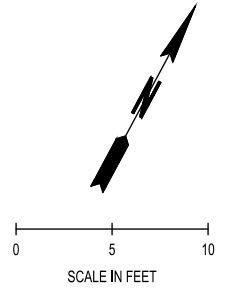
CONSTRUCTION NOTES
(PER PAVING PLANS LEGEND)

4	CEMENT CONC. TRAFFIC CURB AND GUTTER	WSDOT STD PLAN F-10.12
5	CEMENT CONC. TRAFFIC CURB	WSDOT STD PLAN F-10.12
6	2" CEMENT CONC. WEDGE CURB	SEE XS-2
7	GRAVITY BLOCK WALL	
8	CEDAR FENCE	

PAVING LEGEND

1	HMA CLASS 1/2 IN. PG 58H	SEE XS-1
2	INLAY HMA CLASS 1/2 IN. PG 58H	SEE XS-2
3	CEMENT CONC. SIDEWALK	WSDOT STD PLAN F-30.10
	CEMENT CONC. CURB RAMP PAY LIMITS	
3B	MONOLITHIC CEMENT CONC. CURB AND SIDEWALK	WSDOT STD PLAN F-30.10
	TEXTURED CEMENT CONC. PAVEMENT	
	CEMENT CONC. PAVEMENT	SEE L1.0
	GRASSCRETE	SEE SPECIAL PROVISIONS 8-05
	4" COMPACTED DEPTH CSBC DRIVEWAY	
	CEMENT CONC. DRIVEWAY (6" CONC. DEPTH)	
	CEMENT CONC. BIKE RAMP (4" CONC. DEPTH)	
	* DETECTABLE WARNING PLATE	WSDOT STD PLAN F-45.10

* DETECTABLE WARNING PLATES PAY ITEM ONLY USED WHEN INSTALLED IN INSTANCES WITHOUT A CEMENT CONC. CURB RAMP. CEMENT CONC. CURB RAMP PAY ITEM INCLUDES DETECTABLE WARNING PLATE. SEE SPECIAL PROVISIONS 8-14.2 FOR WARNING PLATE TYPE.

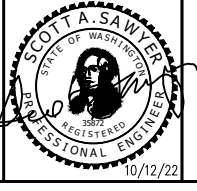


Oct 12, 2022 1:18:48pm User: tom.hall@scj.com
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REVISIONS	DATE	BY	DESIGNED BY:	ISSUE DATE:
			M WEYRAUCH	10/22/2022
			D HALL	JOB No.: 0699.14
			S SAWYER	DRAWING FILE No.: 0699.14 CR-06_09

BID SET

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED

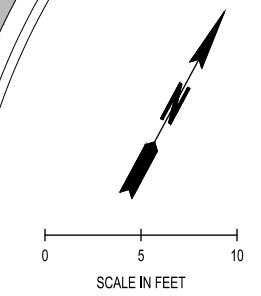
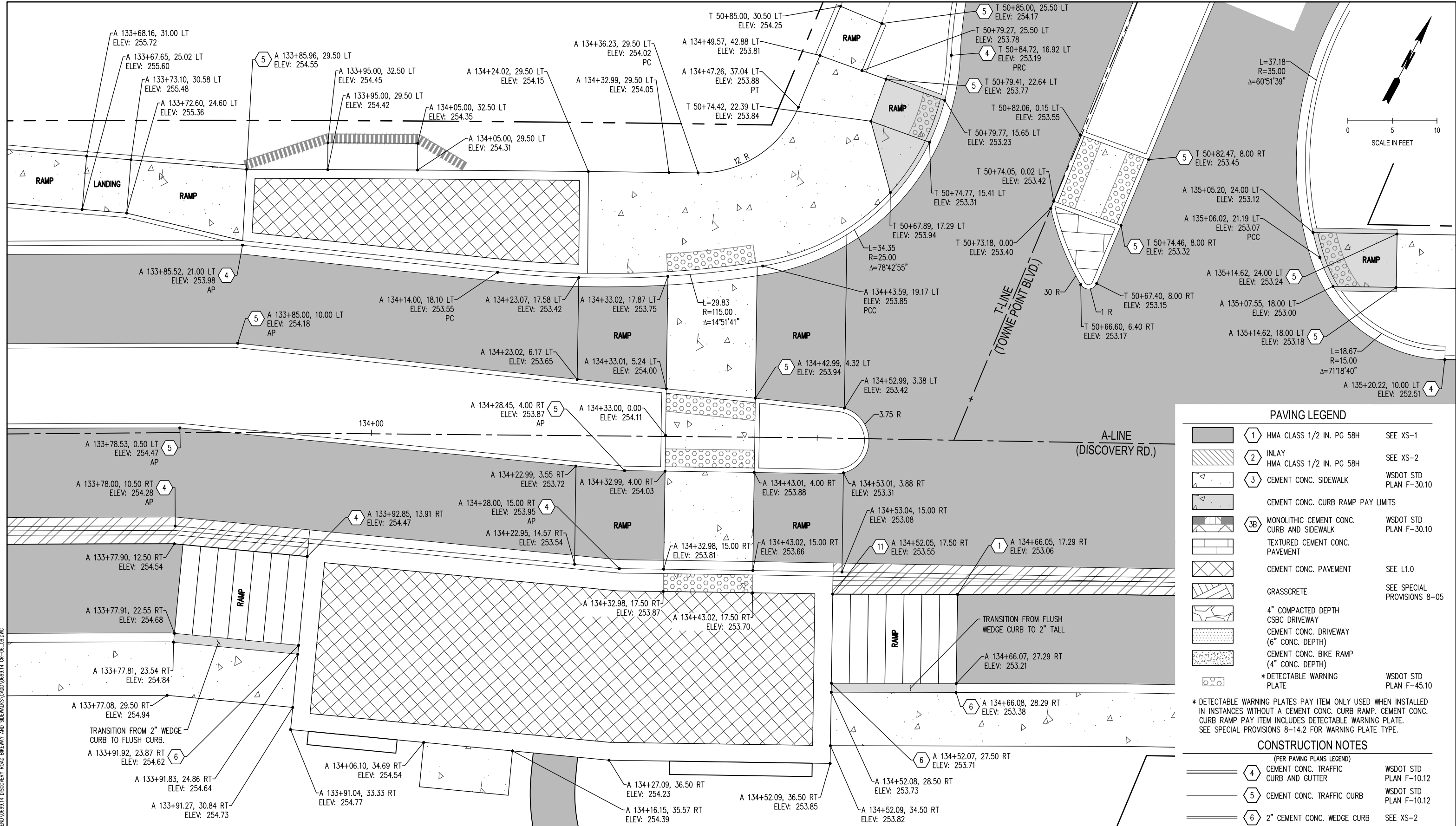


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DISCOVERY ROAD
BIKEWAY ROADWAY & SIDEWALK PROJECT
PORT TOWNSEND, WA
CURB RAMP AND INTERSECTION DETAILS

DRAWING No.:	CR-6
SHEET No.:	35 OF 71



PAVING LEGEND		
	1 HMA CLASS 1/2 IN. PG 58H	SEE XS-1
	2 INLAY HMA CLASS 1/2 IN. PG 58H	SEE XS-2
	3 CEMENT CONC. SIDEWALK	WSDOT STD PLAN F-30.10
	3B CEMENT CONC. CURB RAMP PAY LIMITS	WSDOT STD PLAN F-30.10
	4 TEXTURED CEMENT CONC. PAVEMENT	SEE L1.0
	5 CEMENT CONC. PAVEMENT	SEE SPECIAL PROVISIONS 8-05
	6 GRASSCRETE	SEE SPECIAL PROVISIONS 8-05
	7 4" COMPACTED DEPTH CSBC DRIVEWAY	
	8 CEMENT CONC. DRIVEWAY (6" CONC. DEPTH)	
	9 CEMENT CONC. BIKE RAMP (4" CONC. DEPTH)	
	10 * DETECTABLE WARNING PLATE	WSDOT STD PLAN F-45.10

* DETECTABLE WARNING PLATES PAY ITEM ONLY USED WHEN INSTALLED IN INSTANCES WITHOUT A CEMENT CONC. CURB RAMP. CEMENT CONC. CURB RAMP PAY ITEM INCLUDES DETECTABLE WARNING PLATE. SEE SPECIAL PROVISIONS 8-14.2 FOR WARNING PLATE TYPE.

CONSTRUCTION NOTES		
(PER PAVING PLANS LEGEND)		
	4 CEMENT CONC. TRAFFIC CURB AND GUTTER	WSDOT STD PLAN F-10.12
	5 CEMENT CONC. TRAFFIC CURB	WSDOT STD PLAN F-10.12
	6 2" CEMENT CONC. WEDGE CURB	SEE XS-2

04.12.2022 1:18:54pm - User: tom.hawkins
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BID SET

REVISIONS	DATE	BY	DESIGNED BY:	ISSUE DATE:
			M WEYRAUCH	10/22/2022
			D HALL	JOB No.: 0699.14
			S SAWYER	DRAWING FILE No.: 0699.14 CR-06_09

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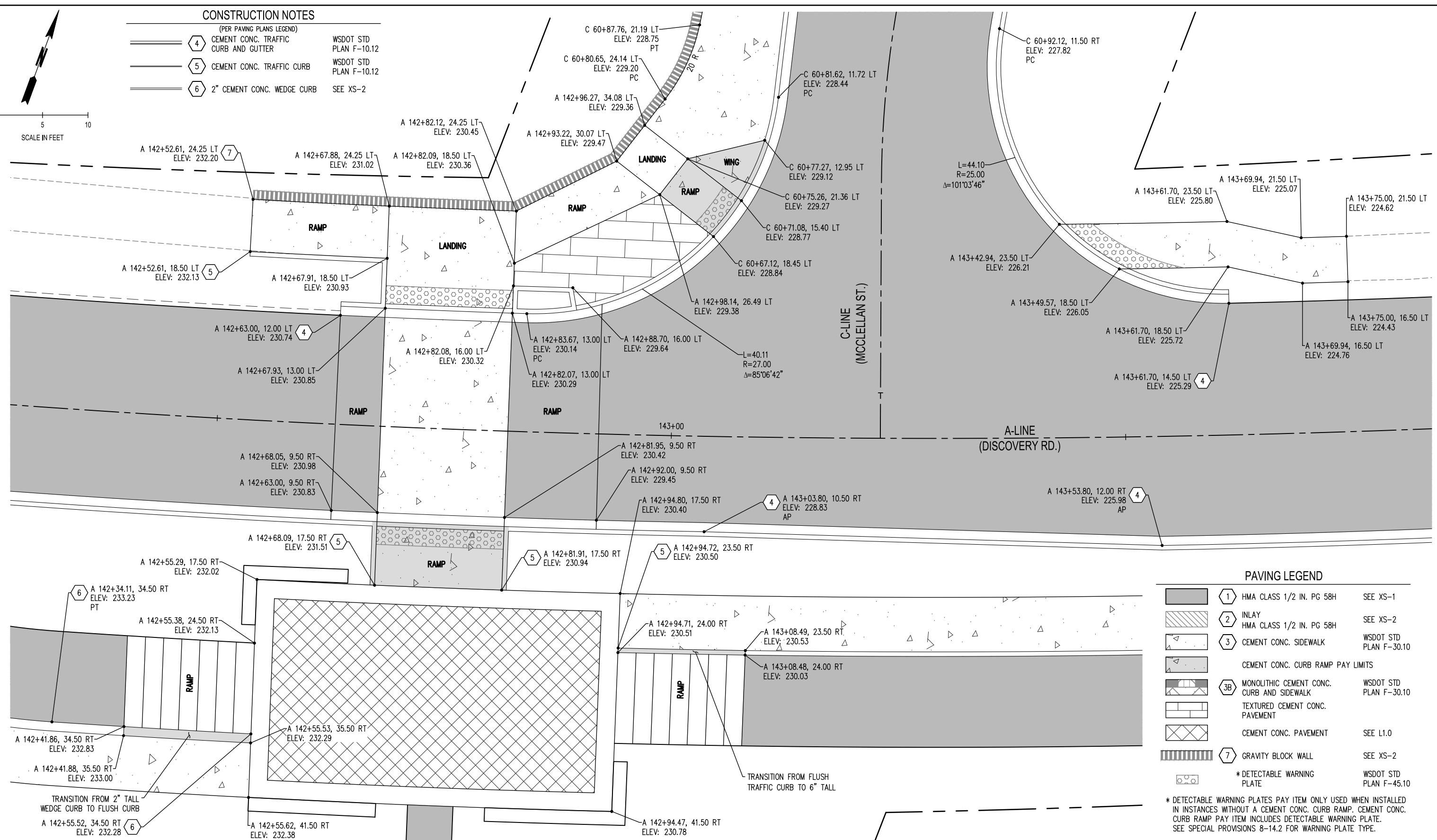
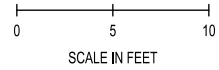
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City of **Port Townsend**

DISCOVERY ROAD BIKEWAY ROADWAY & SIDEWALK PROJECT PORT TOWNSEND, WA		DRAWING No.: CR-7
CURB RAMP AND INTERSECTION DETAILS		SHEET No.: 36 OF 71

CONSTRUCTION NOTES

- | | | |
|---------------------------|--------------------------------------|------------------------|
| (PER PAVING PLANS LEGEND) | | |
| ④ | CEMENT CONC. TRAFFIC CURB AND GUTTER | WSDOT STD PLAN F-10.12 |
| ⑤ | CEMENT CONC. TRAFFIC CURB | WSDOT STD PLAN F-10.12 |
| ⑥ | 2" CEMENT CONC. WEDGE CURB | SEE XS-2 |



PAVING LEGEND

- | | | |
|----|---|------------------------|
| ① | HMA CLASS 1/2 IN. PG 58H | SEE XS-1 |
| ② | INLAY HMA CLASS 1/2 IN. PG 58H | SEE XS-2 |
| ③ | CEMENT CONC. SIDEWALK | WSDOT STD PLAN F-30.10 |
| ③B | CEMENT CONC. CURB RAMP PAY LIMITS | WSDOT STD PLAN F-30.10 |
| ③B | MONOLITHIC CEMENT CONC. CURB AND SIDEWALK | WSDOT STD PLAN F-30.10 |
| | TEXTURED CEMENT CONC. PAVEMENT | SEE L1.0 |
| | CEMENT CONC. PAVEMENT | SEE L1.0 |
| ⑦ | GRAVITY BLOCK WALL | SEE XS-2 |
| | * DETECTABLE WARNING PLATE | WSDOT STD PLAN F-45.10 |

* DETECTABLE WARNING PLATES PAY ITEM ONLY USED WHEN INSTALLED IN INSTANCES WITHOUT A CEMENT CONC. CURB RAMP. CEMENT CONC. CURB RAMP PAY ITEM INCLUDES DETECTABLE WARNING PLATE. SEE SPECIAL PROVISIONS 8-14.2 FOR WARNING PLATE TYPE.

04/12/2022 1:20:07pm User: mhall Project: DISCOVERY ROAD BIKEWAY AND SIDEWALKS (CR-06-08) CR-06-08.DWG

BID SET

REVISIONS	DATE	BY	DESIGNED BY:	ISSUE DATE:
			M WEYRAUCH	10/22/2022
			D HALL	JOB No.: 0699.14
			S SAWYER	DRAWING FILE No.: 0699.14 CR-06_09

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DISCOVERY ROAD
 BIKEWAY ROADWAY & SIDEWALK PROJECT
 PORT TOWNSEND, WA

CURB RAMP AND INTERSECTION DETAILS

DRAWING No.: CR-8
 SHEET No.: 37 OF 71

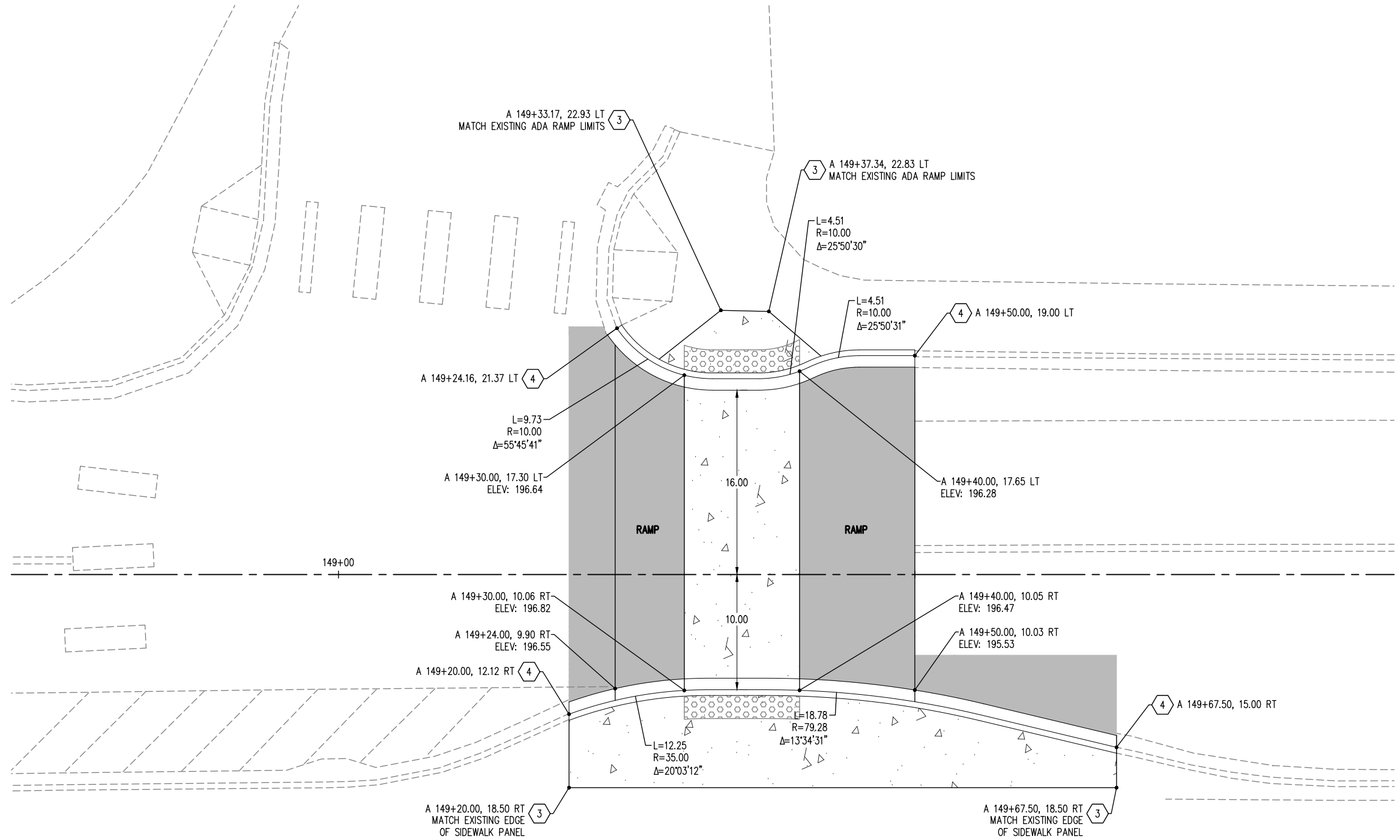
PAVING LEGEND

	1 HMA CLASS 1/2 IN. PG 58H	SEE XS-1
	2 INLAY HMA CLASS 1/2 IN. PG 58H	SEE XS-2
	3 CEMENT CONC. SIDEWALK	WSDOT STD PLAN F-30.10
	3B MONOLITHIC CEMENT CONC. CURB AND SIDEWALK	WSDOT STD PLAN F-30.10
	TEXTURED CEMENT CONC. PAVEMENT	
	CEMENT CONC. PAVEMENT	SEE L1.0
	GRASSCRETE	SEE SPECIAL PROVISIONS 8-05
	4" COMPACTED DEPTH CSBC DRIVEWAY	
	CEMENT CONC. DRIVEWAY (6" CONC. DEPTH)	
	CEMENT CONC. BIKE RAMP (4" CONC. DEPTH)	
	* DETECTABLE WARNING PLATE	WSDOT STD PLAN F-45.10

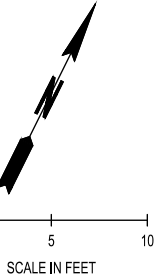
* DETECTABLE WARNING PLATES PAY ITEM ONLY USED WHEN INSTALLED IN INSTANCES WITHOUT A CEMENT CONC. CURB RAMP. CEMENT CONC. CURB RAMP PAY ITEM INCLUDES DETECTABLE WARNING PLATE. SEE SPECIAL PROVISIONS 8-14.2 FOR WARNING PLATE TYPE.

CONSTRUCTION NOTES

	4 (PER PAVING PLANS LEGEND) CEMENT CONC. TRAFFIC CURB AND GUTTER	WSDOT STD PLAN F-10.12
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149+00



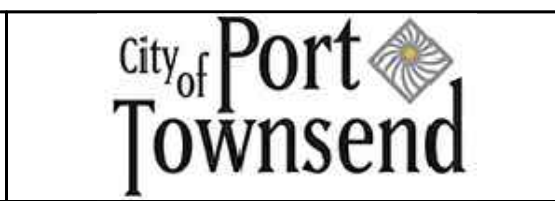
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REVISIONS	DATE	BY
BID SET		

DESIGNED BY: M WEYRAUCH	ISSUE DATE: 10/22/2022
DRAWN BY: M WEYRAUCH	JOB No.: 0699.14
CHECKED BY: S SAWYER	DRAWING FILE No.: 0699.14 CR-06_09

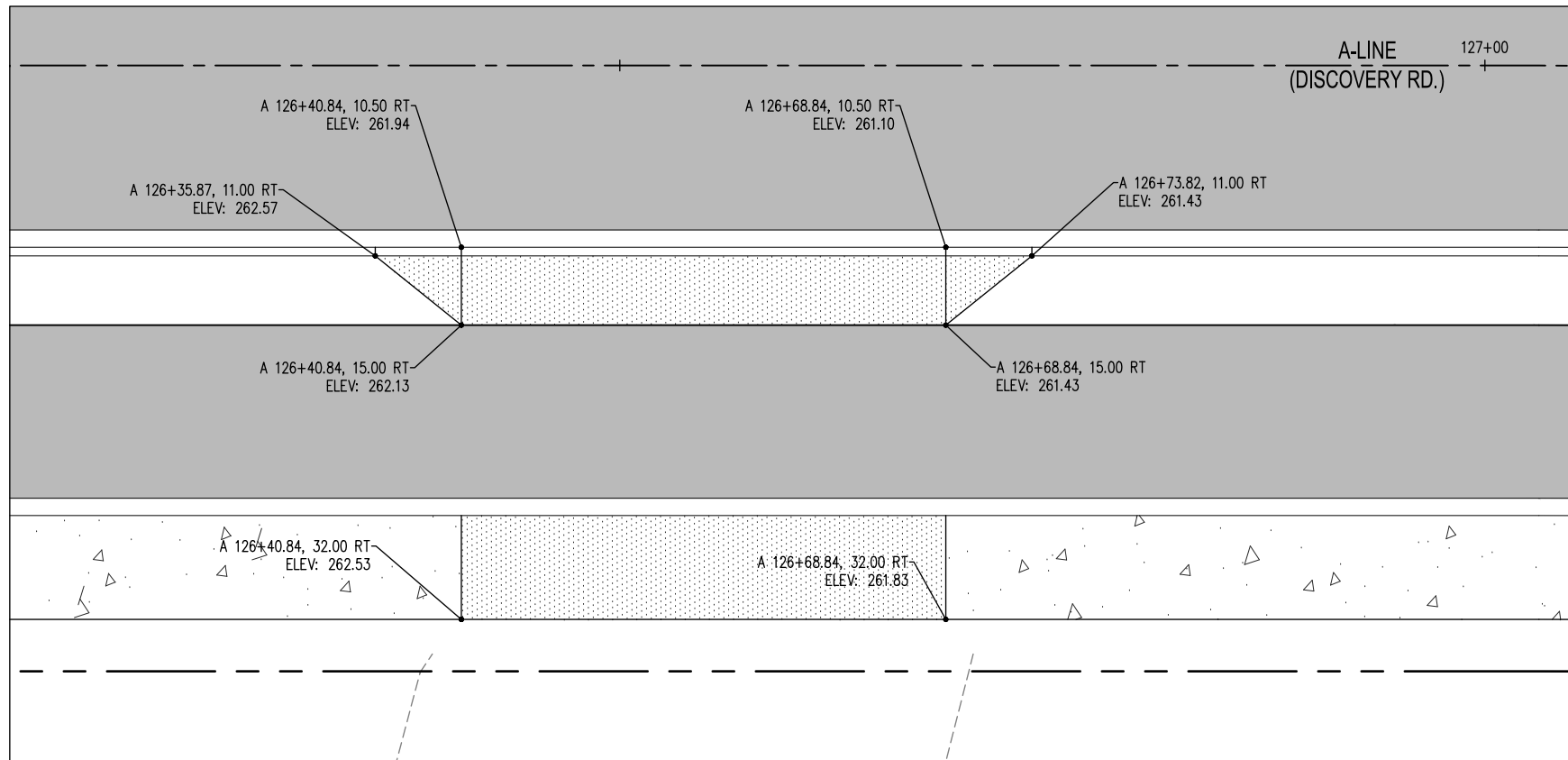
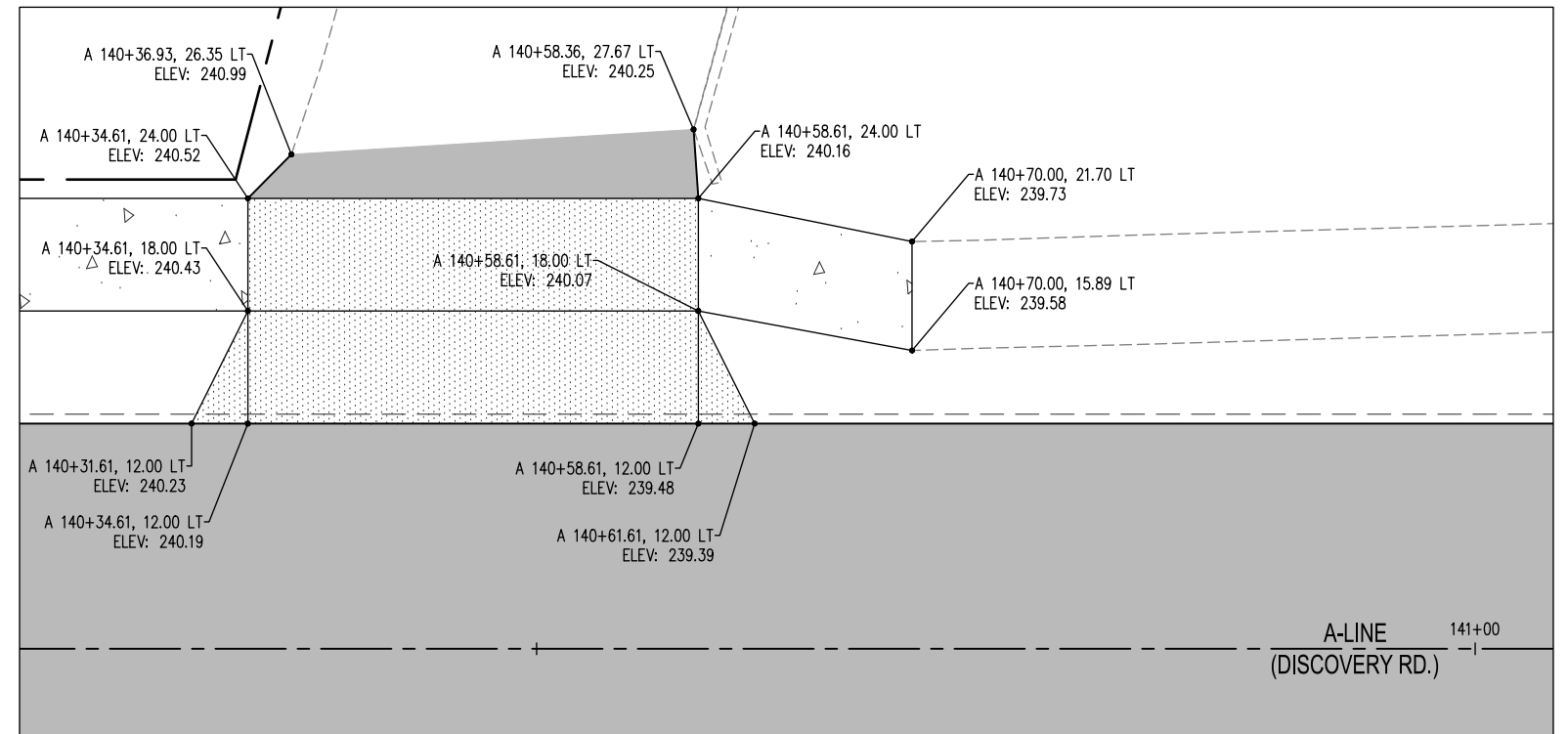
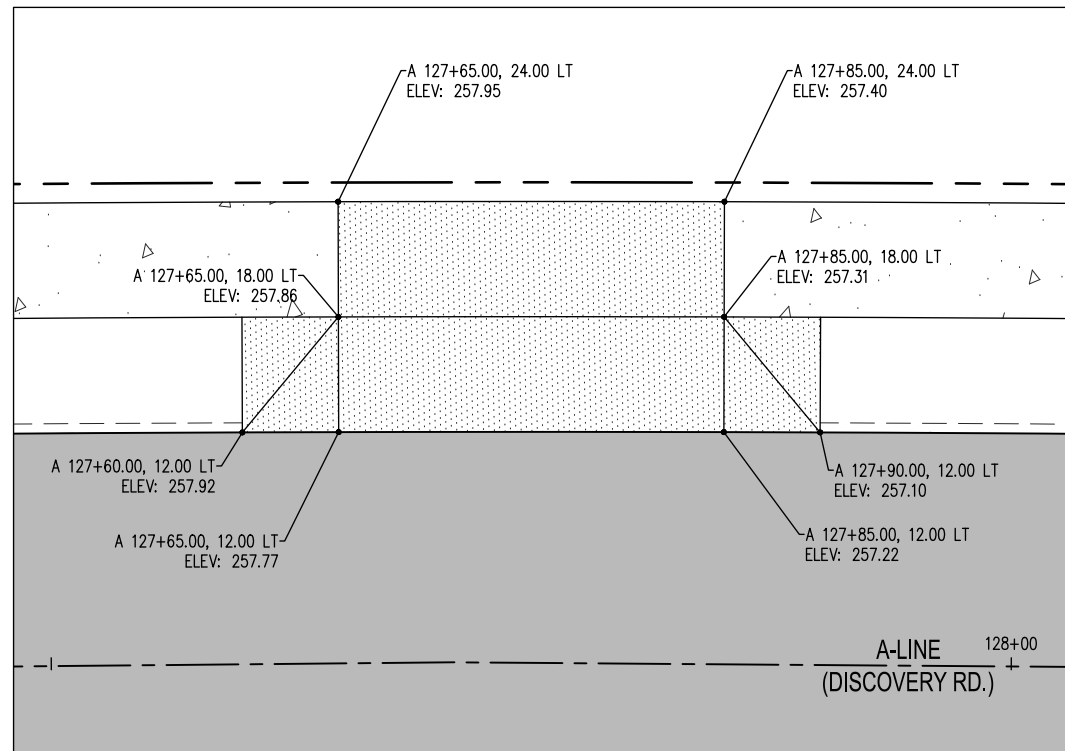
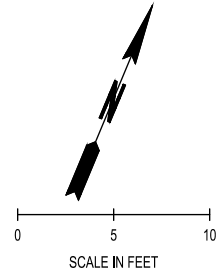
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DISCOVERY ROAD
 BIKEWAY ROADWAY & SIDEWALK PROJECT
 PORT TOWNSEND, WA
 CURB RAMP AND INTERSECTION DETAILS

DRAWING No.:	CR-9
SHEET No.:	38 OF 71



SEE CR SHEETS FOR DRIVEWAYS NOT SHOWN

PAVING LEGEND		
	1 HMA CLASS 1/2 IN. PG 58H	SEE XS-1
	2 INLAY HMA CLASS 1/2 IN. PG 58H	SEE XS-2
	3 CEMENT CONC. SIDEWALK	WSDOT STD PLAN F-30.10
	3B MONOLITHIC CEMENT CONC. CURB AND SIDEWALK	WSDOT STD PLAN F-30.10
	TEXTURED CEMENT CONC. PAVEMENT	
	CEMENT CONC. PAVEMENT	SEE L1.0
	GRASSCRETE	SEE SPECIAL PROVISIONS 8-05
	4" COMPACTED DEPTH CSBC DRIVEWAY	
	CEMENT CONC. DRIVEWAY (6" CONC. DEPTH)	
	CEMENT CONC. BIKE RAMP (4" CONC. DEPTH)	
	* DETECTABLE WARNING PLATE	WSDOT STD PLAN F-45.10

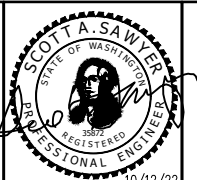
CONSTRUCTION NOTES		
(PER PAVING PLANS LEGEND)		
	3B MONOLITHIC CEMENT CONC. CURB AND SIDEWALK	WSDOT STD PLAN F-30.10
	4 CEMENT CONC. TRAFFIC CURB AND GUTTER	WSDOT STD PLAN F-10.12
	5 CEMENT CONC. TRAFFIC CURB	WSDOT STD PLAN F-10.12

04.12.2022 1:20:56pm - User: mitch_weyrauch - V:\PROJECTS\0699.14 DISCOVERY ROAD BIKEWAY AND SIDEWALKS\CADD\0699.14 DW-01.DWG

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DESIGNED BY:	ISSUE DATE:
M WEYRAUCH	10/22/2022
DRAWN BY:	JOB No.:
M WEYRAUCH	0699.14
CHECKED BY:	DRAWING FILE No.:
S SAWYER	0699.14 DW-01

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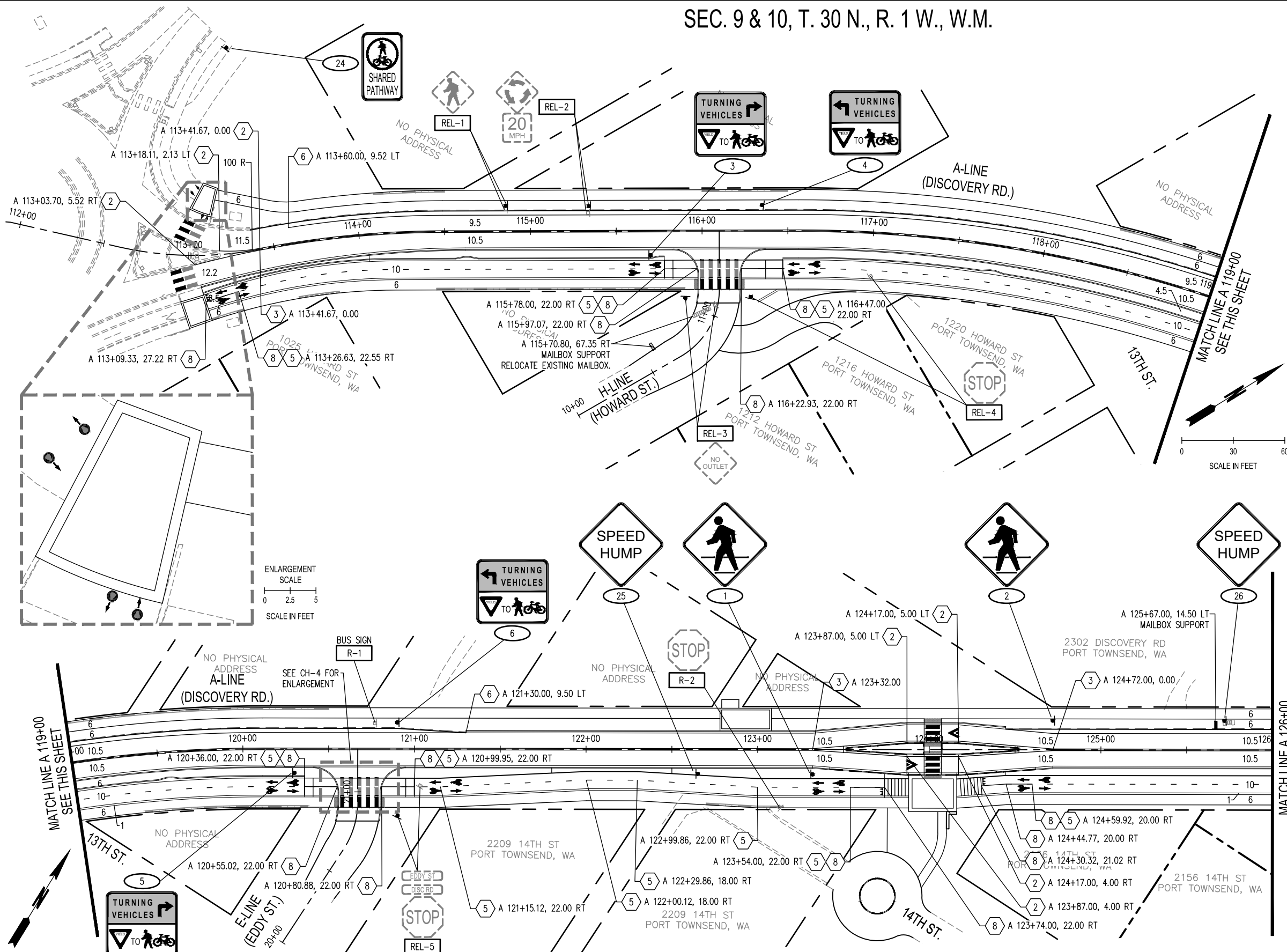
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DISCOVERY ROAD
BIKEWAY ROADWAY & SIDEWALK PROJECT
PORT TOWNSEND, WA
DRIVEWAY DETAILS

DRAWING No.: DW-1
SHEET No.: 39 OF 71

SEC. 9 & 10, T. 30 N., R. 1 W., W.M.



PAVEMENT MARKING LEGEND	
	1 PLASTIC STOP LINE (PER STANDARD PLAN M-24.60)
	2 PLASTIC YELLOW EDGE LINE (PER STANDARD PLAN M-20.10)
	3 PLASTIC DOUBLE YELLOW CENTERLINE (PER STANDARD PLAN M-20.10)
	4 PLASTIC TWO WAY LEFT TURN CENTERLINE (PER STANDARD PLAN M-20.10)
	5 PAINTED YELLOW DOTTED LANE LINE (PER STANDARD PLAN M-20.10)
	6 PLASTIC WHITE EDGE LINE (PER STANDARD PLAN M-20.10)
	7 PLASTIC YELLOW DOTTED EXTENSION LINE (PER STANDARD PLAN M-20.10)
	8 PAINTED YELLOW EDGE LINE (PER STANDARD PLAN M-20.10)
	PLASTIC CROSSWALK (PER STANDARD PLAN M-15.10)
	PLASTIC CROSSBIKE (GREEN) (PER ENLARGEMENTS ON SHEETS CH-3 AND CH-4)
	PLASTIC YIELD LINE SYMBOL (PER STANDARD PLAN M-24.60)
	PLASTIC BIKE LANE SYMBOL (PER STANDARD PLAN M-9.50)
	PLASTIC BICYCLE WAYFINDING MARKING (SEE DETAIL ON SHEET CH-4)
	PLASTIC BICYCLE BOX SYMBOL (SEE DETAIL ON SHEET CH-4)
	PLASTIC SPEED BUMP SYMBOL (PER STANDARD PLAN M-24.60)

- PAVEMENT MARKING NOTES**
- ALL EXISTING PAVEMENT MARKING SHALL BE REMOVED WITHIN PROJECT LIMITS. PAID AS REMOVING MISCELLANEOUS TRAFFIC ITEM. CONTRACTOR SHALL CONFIRM NECESSARY REMOVALS PRIOR TO BID.
 - CENTER PLASTIC BICYCLE LANE SYMBOL IN MIDDLE OF DESIGNATED LANE.
 - ALL PLASTIC SHALL BE TYPE D - LIQUID COLD APPLIED METHYL METHACRYLATE (MMA) PER WSDOT STANDARD SPECIFICATION 9-34.3(4).

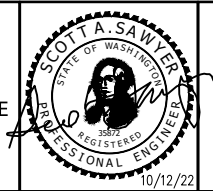
SIGN LEGEND	
	X SIGN NOTE SEE CH-4
	R-X SIGN REMOVAL NOTE SEE CH-4
	REL X PROPOSED LOCATION SIGN RELOCATION NOTE EXISTING LOCATION SEE CH-4
	1 EXISTING SIGN & POST
	2 NEW / RELOCATED SIGN ON POST
	3 NEW / RELOCATED SIGN ON POST
	4 EXISTING MAILBOX SUPPORT
	5 MAILBOX SUPPORT TYPE 1 PER WSDOT STD PLAN H-70.10
	6 MAILBOX SUPPORT TYPE 2 PER WSDOT STD PLAN H-70.10
	7 MAILBOX SUPPORT TYPE CUSTOM.

Oct 12, 2022 1:21:25pm User: tomk...
 V:\PROJECTS\0699.14 DISCOVERY ROAD BIKEWAY AND SIDEWALKS\CADD\0699.14 CH-01.DWG

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REVISIONS	DATE	BY	DESIGNED BY:	ISSUE DATE:
			M WEYRAUCH	10/22/2022
			DRAWN BY:	JOB No.:
			N MAYFIELD	0699.14
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			S SAWYER	0699.14 CH-01

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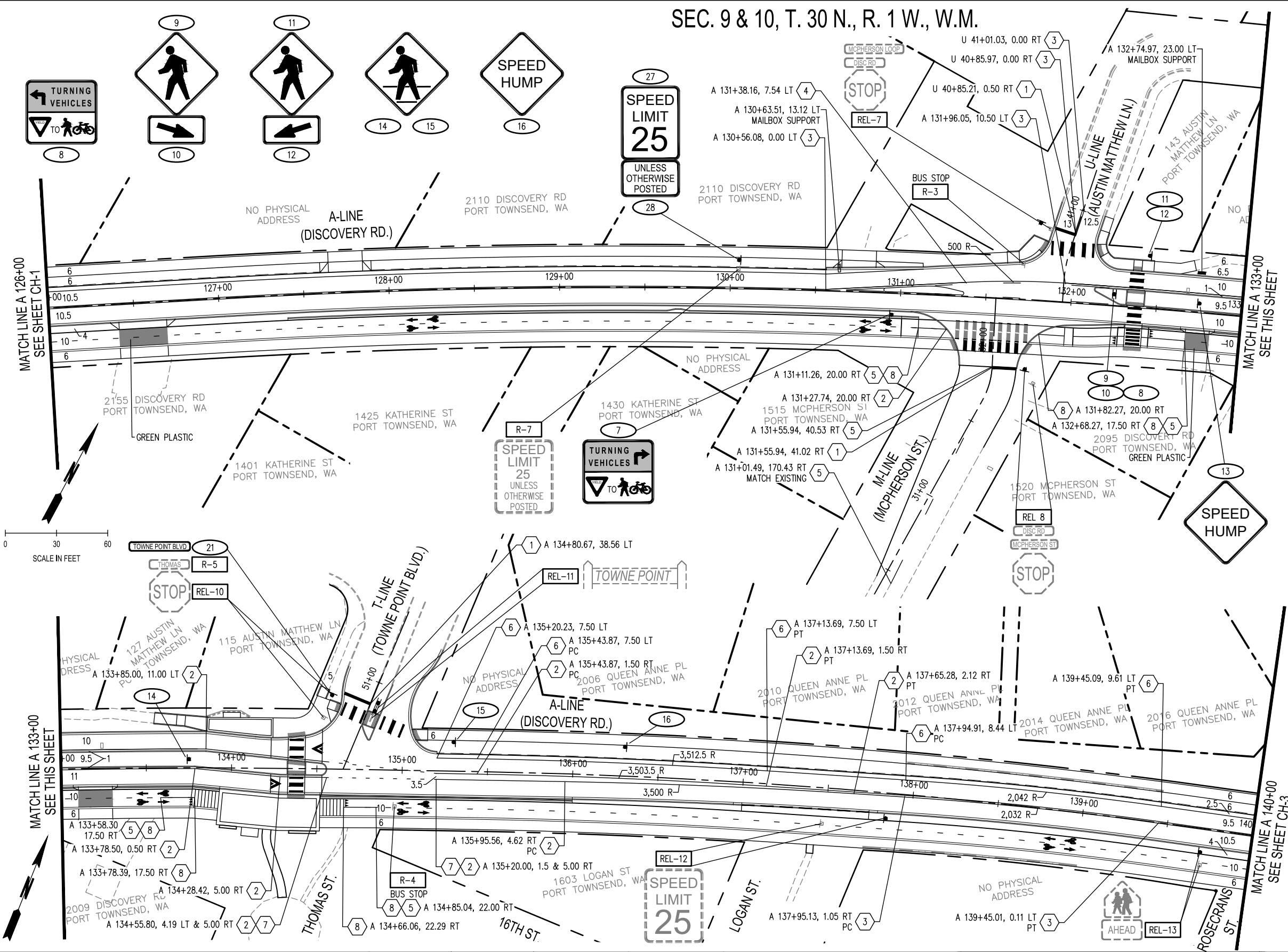


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DISCOVERY ROAD BIKEWAY ROADWAY & SIDEWALK PROJECT PORT TOWNSEND, WA		DRAWING No.: CH-1
CHANNELIZATION PLAN A 112+00 - A 126+00		SHEET No.: 40 OF 71

SEC. 9 & 10, T. 30 N., R. 1 W., W.M.



- ### PAVEMENT MARKING LEGEND
- 1 PLASTIC STOP LINE (PER STANDARD PLAN M-24.60)
 - 2 PLASTIC YELLOW EDGE LINE (PER STANDARD PLAN M-20.10)
 - 3 PLASTIC DOUBLE YELLOW CENTERLINE (PER STANDARD PLAN M-20.10)
 - 4 PLASTIC TWO WAY LEFT TURN CENTERLINE (PER STANDARD PLAN M-20.10)
 - 5 PAINTED YELLOW DOTTED LANE LINE (PER STANDARD PLAN M-20.10)
 - 6 PLASTIC WHITE EDGE LINE (PER STANDARD PLAN M-20.10)
 - 7 PLASTIC YELLOW DOTTED EXTENSION LINE (PER STANDARD PLAN M-20.10)
 - 8 PAINTED YELLOW EDGE LINE (PER STANDARD PLAN M-20.10)
 - PLASTIC CROSSWALK (PER STANDARD PLAN M-15.10)
 - PLASTIC CROSSBIKE (GREEN) (PER ENLARGEMENTS ON SHEETS CH-3 AND CH-4)
 - PLASTIC YIELD LINE SYMBOL (PER STANDARD PLAN M-24.60)
 - PLASTIC BIKE LANE SYMBOL (PER STANDARD PLAN M-9.50)
 - PLASTIC BICYCLE WAYFINDING MARKING (SEE DETAIL ON SHEET CH-4)
 - PLASTIC BICYCLE BOX SYMBOL (SEE DETAIL ON SHEET CH-4)
 - PLASTIC SPEED BUMP SYMBOL (PER STANDARD PLAN M-24.60)

- ### PAVEMENT MARKING NOTES
- ALL EXISTING PAVEMENT MARKING SHALL BE REMOVED WITHIN PROJECT LIMITS. PAID AS REMOVING MISCELLANEOUS TRAFFIC ITEM. CONTRACTOR SHALL CONFIRM NECESSARY REMOVALS PRIOR TO BID.
 - CENTER PLASTIC BICYCLE LANE SYMBOL IN MIDDLE OF DESIGNATED LANE.
 - ALL PLASTIC SHALL BE TYPE D - LIQUID COLD APPLIED METHYL METHACRYLATE (MMA) PER WSDOT STANDARD SPECIFICATION 9-34.3(4).

- ### SIGN LEGEND
- X SIGN NOTE SEE CH-4
 - R-X SIGN REMOVAL NOTE SEE CH-4
 - REL X PROPOSED LOCATION
SIGN RELOCATION NOTE
EXISTING LOCATION SEE CH-4
 - EXISTING SIGN & POST
 - NEW / RELOCATED SIGN ON POST
 - EXISTING MAILBOX SUPPORT
 - MAILBOX SUPPORT TYPE 1 PER WSDOT STD PLAN H-70.10
 - MAILBOX SUPPORT TYPE 2 PER WSDOT STD PLAN H-70.10
 - MAILBOX SUPPORT TYPE CUSTOM.

REVISIONS	DATE	BY	DESIGNED BY:	ISSUE DATE:
			M WEYRAUCH	10/22/2022
			DRAWN BY:	JOB No.:
			N MAYFIELD	0699.14
			CHECKED BY:	DRAWING FILE No.:
			S SAWYER	0699.14 CH-01

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SCOTT A. SAWYER
REGISTERED PROFESSIONAL ENGINEER
10/12/22

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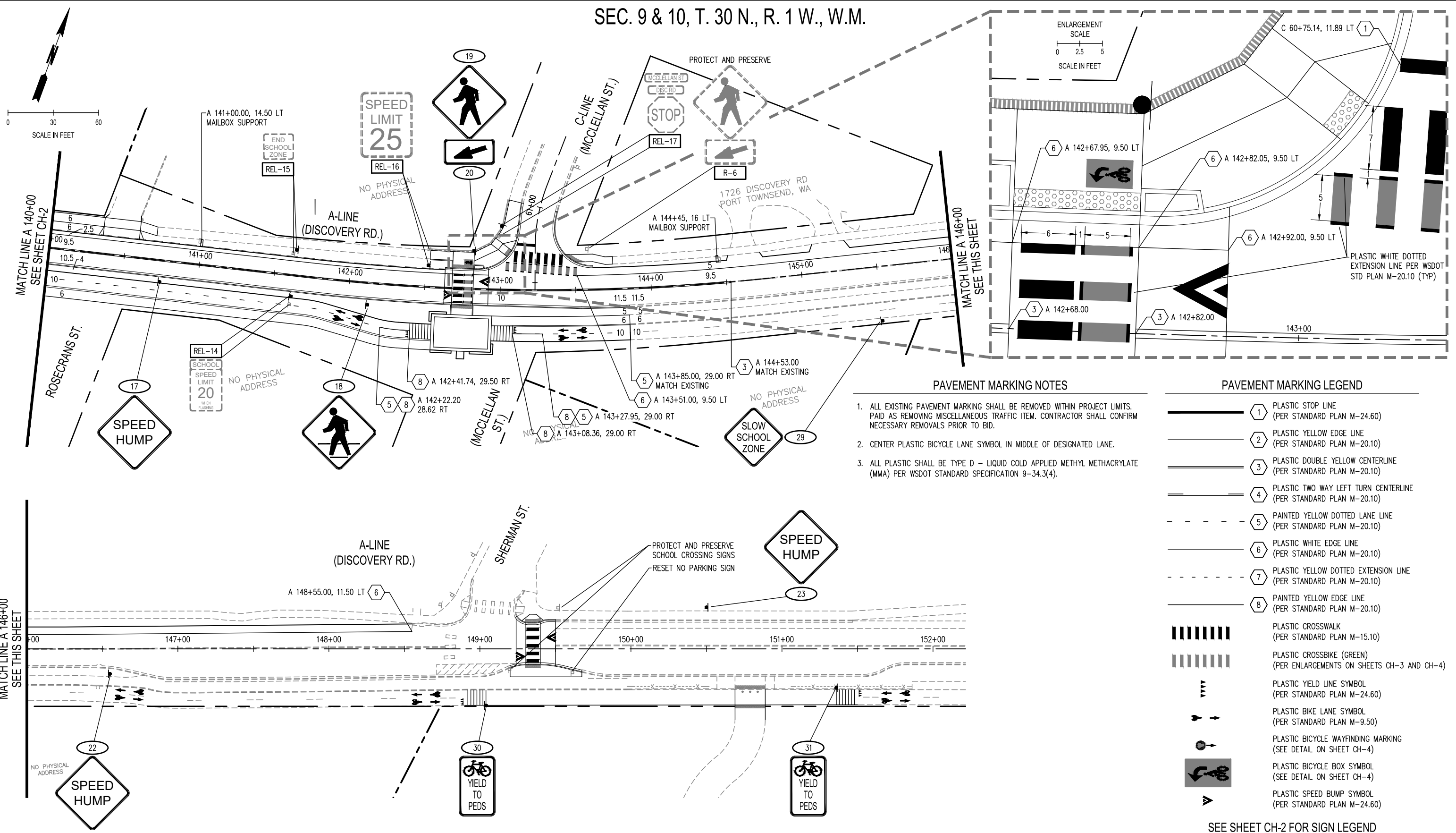
DISCOVERY ROAD
BIKEWAY ROADWAY & SIDEWALK PROJECT
PORT TOWNSEND, WA
CHANNELIZATION PLAN
A 126+00 - A 140+00

DRAWING No.: CH-2
SHEET No.: 41 OF 71

BID SET

CH-12, 2022, 1:21, 35pm - User: tomkay@porttownsend.gov
 PROJECTS\BIDDING\PORT TOWNSEND\0699.14 DISCOVERY ROAD BIKEWAY AND SIDEWALKS\CADD\0699.14 CH-01.DWG

SEC. 9 & 10, T. 30 N., R. 1 W., W.M.



- PAVEMENT MARKING NOTES**
1. ALL EXISTING PAVEMENT MARKING SHALL BE REMOVED WITHIN PROJECT LIMITS. PAID AS REMOVING MISCELLANEOUS TRAFFIC ITEM. CONTRACTOR SHALL CONFIRM NECESSARY REMOVALS PRIOR TO BID.
 2. CENTER PLASTIC BICYCLE LANE SYMBOL IN MIDDLE OF DESIGNATED LANE.
 3. ALL PLASTIC SHALL BE TYPE D - LIQUID COLD APPLIED METHYL METHACRYLATE (MMA) PER WSDOT STANDARD SPECIFICATION 9-34.3(4).

- PAVEMENT MARKING LEGEND**
- 1 PLASTIC STOP LINE (PER STANDARD PLAN M-24.60)
 - 2 PLASTIC YELLOW EDGE LINE (PER STANDARD PLAN M-20.10)
 - 3 PLASTIC DOUBLE YELLOW CENTERLINE (PER STANDARD PLAN M-20.10)
 - 4 PLASTIC TWO WAY LEFT TURN CENTERLINE (PER STANDARD PLAN M-20.10)
 - 5 PAINTED YELLOW DOTTED LANE LINE (PER STANDARD PLAN M-20.10)
 - 6 PLASTIC WHITE EDGE LINE (PER STANDARD PLAN M-20.10)
 - 7 PLASTIC YELLOW DOTTED EXTENSION LINE (PER STANDARD PLAN M-20.10)
 - 8 PAINTED YELLOW EDGE LINE (PER STANDARD PLAN M-20.10)
 - PLASTIC CROSSWALK (PER STANDARD PLAN M-15.10)
 - PLASTIC CROSSBIKE (GREEN) (PER ENLARGEMENTS ON SHEETS CH-3 AND CH-4)
 - PLASTIC YIELD LINE SYMBOL (PER STANDARD PLAN M-24.60)
 - PLASTIC BIKE LANE SYMBOL (PER STANDARD PLAN M-9.50)
 - PLASTIC BICYCLE WAYFINDING MARKING (SEE DETAIL ON SHEET CH-4)
 - PLASTIC BICYCLE BOX SYMBOL (SEE DETAIL ON SHEET CH-4)
 - PLASTIC SPEED BUMP SYMBOL (PER STANDARD PLAN M-24.60)

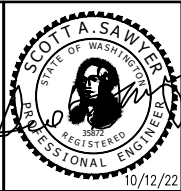
SEE SHEET CH-2 FOR SIGN LEGEND

CH-12, 2022, 1:21, 28mm - User: tom.lawrence
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REVISIONS	DATE	BY	DESIGNED BY:	ISSUE DATE:
			M WEYRAUCH	10/22/2022
			DRAWN BY:	JOB No.:
			N MAYFIELD	0699.14
			CHECKED BY:	DRAWING FILE No.:
			S SAWYER	0699.14 CH-01

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DISCOVERY ROAD BIKEWAY ROADWAY & SIDEWALK PROJECT PORT TOWNSEND, WA	DRAWING No.: CH-3
CHANNELIZATION PLAN A 140+00 - A 152+00	SHEET No.: 42 OF 71

SEC. 9 & 10, T. 30 N., R. 1 W., W.M.

SIGN SPECIFICATIONS
ROADSIDE SIGN STRUCTURES X

SIGN NO.	SIGN CODE NUMBER	SIGN DESCRIPTION	LOCATION (STATION NO.)	SIGN SIZE		REMARKS
				X (INCH)	Y (INCH)	
1	W11-2A	PEDESTRIAN CROSSING	A 123+32, 14.5 RT	30	30	
2	W11-2	PEDESTRIAN CROSSING	A 124+72, 17 LT	30	30	
3	R10-15R	TURNING VEHICLES YIELD RIGHT	A 115+70, 14 RT	36	30	
4	R10-15L	TURNING VEHICLES YIELD LEFT	A 116+35, 15 LT	36	30	
5	R10-15R	TURNING VEHICLES YIELD RIGHT	A 120+30, 14 RT	36	30	
6	R10-15L	TURNING VEHICLES YIELD LEFT	A 120+90, 15.5 LT	36	30	
7	R10-15R	TURNING VEHICLES YIELD RIGHT	A 130+95, 13 RT	36	30	
8	R10-15L	TURNING VEHICLES YIELD LEFT	A 132+25, 6.5 LT	36	30	MOUNT FACING NORTH FOR SB TRAFFIC
9	W11-2	PEDESTRIAN CROSSING	-----	30	30	MOUNT FACING SOUTH FOR NB TRAFFIC
10	W16-7PR	DOWNWARD DIAGONAL RIGHT ARROW	-----	24	12	MOUNT BELOW SIGN 9, OPPOSITE SIGN 8
11	W11-2	PEDESTRIAN CROSSING	A 132+45, 30.5 LT	30	30	
12	W16-7PL	DOWNWARD DIAGONAL LEFT ARROW	-----	24	12	MOUNT BELOW SIGN 11
13	W17-1	SPEED HUMP	A 132+75, 5 LT	30	30	
14	W11-2A	PEDESTRIAN CROSSING	A 133+75, 5 LT	30	30	
15	W11-2A	PEDESTRIAN CROSSING	A 135+30, 17 LT	30	30	
16	W17-1	SPEED HUMP	A 136+30, 17 LT	30	30	
17	W17-1	SPEED HUMP	A 140+75, 14.25 RT	30	30	
18	W11-2A	PEDESTRIAN CROSSING	A 142+13, 14.5 RT	30	30	
19	W11-2	PEDESTRIAN CROSSING	A 142+82, 25.25 LT	30	30	
20	W16-7PL	DOWNWARD DIAGONAL LEFT ARROW	-----	30	18	MOUNT BELOW SIGN 19
21	D3-102	CROSSROADS NAME (TOWNE POINT BLVD)	A 134+58, 43.4 LT	30	6	MOUNT ABOVE REL-10
22	W17-1	SPEED HUMP	A 146+55, 16.5 RT	30	30	
23	W17-1	SPEED HUMP	A 150+50, 27.5 LT	30	30	
24	CUSTOM	SHARED PATHWAY	A 113+44, 119 LT	12	18	
25	W17-1	SPEED HUMP	A 122+65, 14.25 RT	30	30	
26	W17-1	SPEED HUMP	A 125+72, 17 LT	30	30	
27	R2-1	SPEED LIMIT 25	A 130+05, 16.5 LT	24	30	
28	R2-5P	UNLESS OTHERWISE POSTED	-----	24	18	MOUNT BELOW SIGN 27
29	CUSTOM	SLOW SCHOOL ZONE	A 145+50, 36 RT	18	18	
30	R9-6	BIKES YIELD TO PEDS	A 149+04, 37.5 RT	12	18	
31	R9-6	BIKES YIELD TO PEDS	A 151+36, 25.75 RT	12	18	

SIGN RELOCATION SPECIFICATIONS REL-X

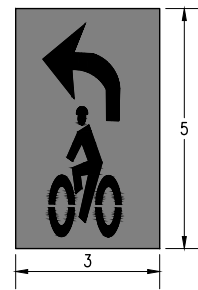
SIGN NO.	SIGN CODE NUMBER	SIGN DESCRIPTION	EXISTING LOCATION	PROPOSED LOCATION	SIGN SIZE		REMARKS
					X (INCH)	Y (INCH)	
REL-1	W11-2	PEDESTRIAN CROSSING	A 114+86, 12.9 LT	A 114+86, 14.9 LT	30	30	
REL-2	W2-6	INTERSECTION WARNING	A 115+37, 10.7 LT	A 115+34, 14.7 LT	30	30	
	W13-1P	20 MPH			18	18	
REL-3	W14-2	NO OUTLET	H 11+06, 1 LT	H 11+07, 19 LT	36	36	
REL-4	R1-1	STOP	A 117+00, 25 RT	H 11+13, 18 RT	30	30	
REL-5	D3-102	CROSSROADS NAME SIGN (EDDY ST)	A 121+03, 21.4 RT	E 20+89, 24 RT	EX	EX	
	D3-102	CROSSROADS NAME SIGN (DISC RD)			EX	EX	
	R1-1	STOP			30	30	
REL-6	NOT USED						
REL-7	D3-102	CROSSROADS NAME SIGN (MCPHERSON LOOP)	U 40+85.5, 14.5 LT	U 40+85.5, 22 LT	EX	EX	
	D3-102	CROSSROADS NAME SIGN (DISC RD)			EX	EX	
	R1-1	STOP			30	30	
REL-8	D3-102	CROSSROADS NAME SIGN (MCPHERSON ST)	M 31+78, 25 RT	M 31+84, 20 RT	EX	EX	
	D3-102	CROSSROADS NAME SIGN (DISC RD)			EX	EX	
	R1-1	STOP			30	30	
REL-9	NOT USED						
REL-10	D3-102	CROSSROADS NAME SIGN (DISC RD)	T 50+68, 22 LT	T 50+83, 22.5 LT	EX	EX	
	R1-1	STOP			30	30	
REL-11	CUSTOM	CROSSROADS NAME SIGN (TOWNE POINT)	A 134+82, 31.3 LT	A 134+84, 36.8 LT	EX	EX	HOUSING DEVELOPMENT ENTRANCE SIGN. RE--USE EXISTING WOOD POSTS OR REPLACE IN-KIND.
REL-12	R2-1	SPEED LIMIT 25	A 137+48, 21.1 RT	A 137+85, 15 RT	24	30	
REL-13	S-1	SCHOOL ZONE SIGN	A 139+72, 21.4 RT	A 139+72, 14 RT	36	36	
	W16-9P	AHEAD			24	12	
REL-14	S5-1	SCHOOL SPEED LIMIT 20 WHEN FLASHING	A 141+62, 19.3 RT	A 141+63, 14 RT	24	48	
REL-15	S5-2	END SCHOOL ZONE	A 141+61, 14.5 LT	A 141+63, 17 LT	24	30	
REL-16	R2-1	SPEED LIMIT 25	A 142+52, 24.8 LT	A 142+52, 14.4 LT	24	30	
REL-17	D3-102	CROSSROADS NAME SIGN (MCCLELLAN ST)	C 60+79, 24 LT	C 60+85, 23 LT	EX	EX	
	D3-102	CROSSROADS NAME SIGN (DISC RD)			EX	EX	
	R1-1	STOP			30	30	

SIGN REMOVAL SPECIFICATIONS R-X

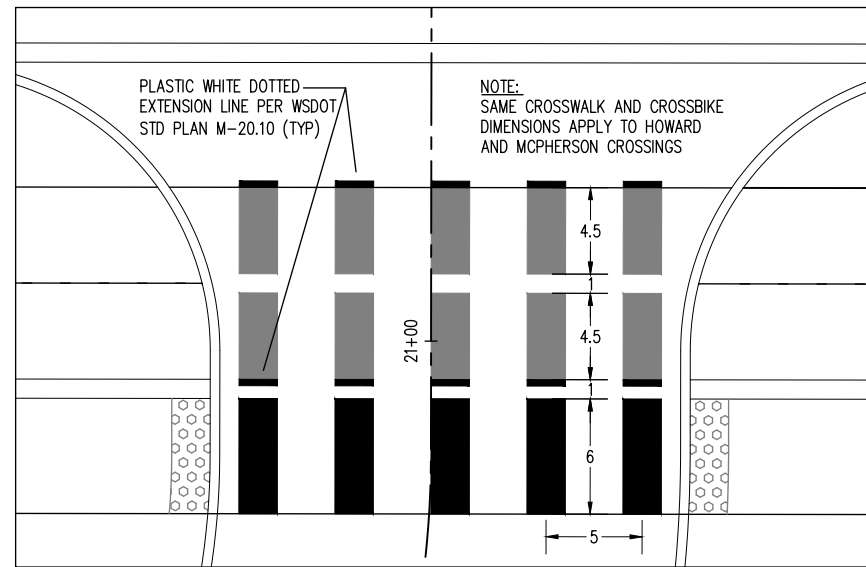
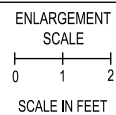
SIGN NO.	SIGN CODE NUMBER	SIGN DESCRIPTION	LOCATION	SIGN SIZE		REMARKS
				X (INCH)	Y (INCH)	
R-1	CUSTOM	BUS STOP	A 120+77, 15 LT	EX	EX	
R-2	R1-1	STOP	A 123+13, 34 RT	30	30	
R-3	CUSTOM	BUS STOP	A 131+71, 21 LT	EX	EX	
R-4	CUSTOM	BUS STOP	A 164+96, 21 RT	EX	EX	
R-5	D3-102	CROSSROADS NAME SIGN (THOMAS)	T 50+68, 22 LT	EX	EX	
R-6	W11-2	PEDESTRIAN CROSSING	A 143+58, 27 LT	36	36	
R-7	CUSTOM	SPEED LIMIT 25 UNLESS OTHERWISE POSTED	A 130+05, 11 LT	18	24	

SIGNING NOTES

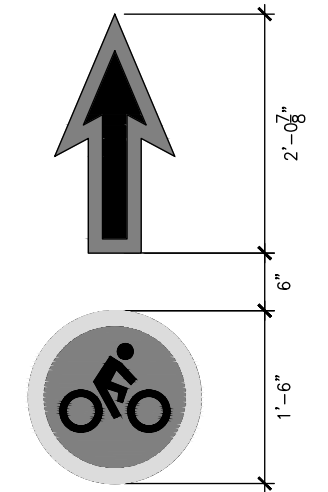
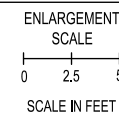
- ALL MOUNTING HEIGHTS SHALL BE A MINIMUM OF 7' FROM BOTTOM OF SIGN TO FINISHED GRADE OF ALL ADJACENT ROADWAY, BIKEWAY, AND SIDEWALK. FOR MOUNTING DETAILS SEE WSDOT STANDARD PLAN G-20.10.
- EXISTING SIGN LOCATIONS ARE APPROXIMATE ONLY.
- FOR CODE REFERENCES SEE WASHINGTON STATE FABRICATION MANUAL.
- EXCEPT WHERE NOTED, ALL SIGN SUPPORTS SHALL BE 2.5" POSTS WITH SLIP BASES PER WSDOT STANDARD PLAN G-24.40.
- STREET NAME SIGNS SHALL BE 4" UPPERCASE AND 3" LOWERCASE WHITE LETTERING ON A 6" BLUE REFLECTIVE BACKGROUND WITH EXTRUDED BLADE ON TOP AND BOTTOM.
- ALL REMOVED SIGNS TO BE SALVAGED TO THE CITY PUBLIC WORKS DEPARTMENT.
- ALL MATERIALS SHALL BE NON-CORROSIVE.



BICYCLE BOX SYMBOL



CROSSBIKE AND CROSSWALK SPACING DETAIL



PLASTIC BICYCLE WAYFINDING MARKING

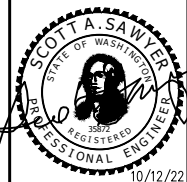
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04/12/2022 1:24:47pm User: tomk...
V:\PROJECTS\0699 CITY OF PORT TOWNSEND\0699.14 DISCOVERY ROAD BIKEWAY AND SIDEWALKS\CADD\0699.14 CH-01.DWG

BID SET

REVISIONS	DATE	BY	DESIGNED BY:	ISSUE DATE:
			M WEYRAUCH	10/22/2022
			DRAWN BY:	JOB No.:
			N MAYFIELD	0699.14
			CHECKED BY:	DRAWING FILE No.:
			S SAWYER	0699.14 CH-01

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED



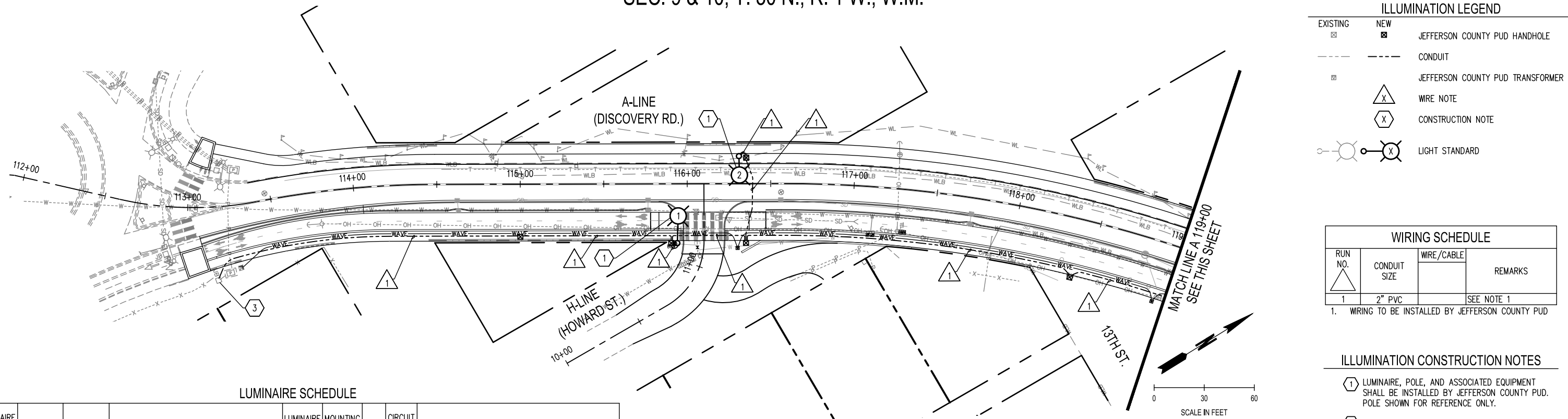
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DISCOVERY ROAD
BIKEWAY ROADWAY & SIDEWALK PROJECT
PORT TOWNSEND, WA
SIGN SPECIFICATIONS AND DETAILS

DRAWING No.:	CH-4
SHEET No.:	43 OF 71

SEC. 9 & 10, T. 30 N., R. 1 W., W.M.



ILLUMINATION LEGEND

EXISTING	NEW	JEFFERSON COUNTY PUD HANDHOLE
---	---	CONDUIT
⊠	⊠	JEFFERSON COUNTY PUD TRANSFORMER
	△	WIRE NOTE
	⬡	CONSTRUCTION NOTE
⊙	⊙	LIGHT STANDARD

WIRING SCHEDULE

RUN NO.	CONDUIT SIZE	WIRE/CABLE	REMARKS
1	2" PVC		SEE NOTE 1

1. WIRING TO BE INSTALLED BY JEFFERSON COUNTY PUD

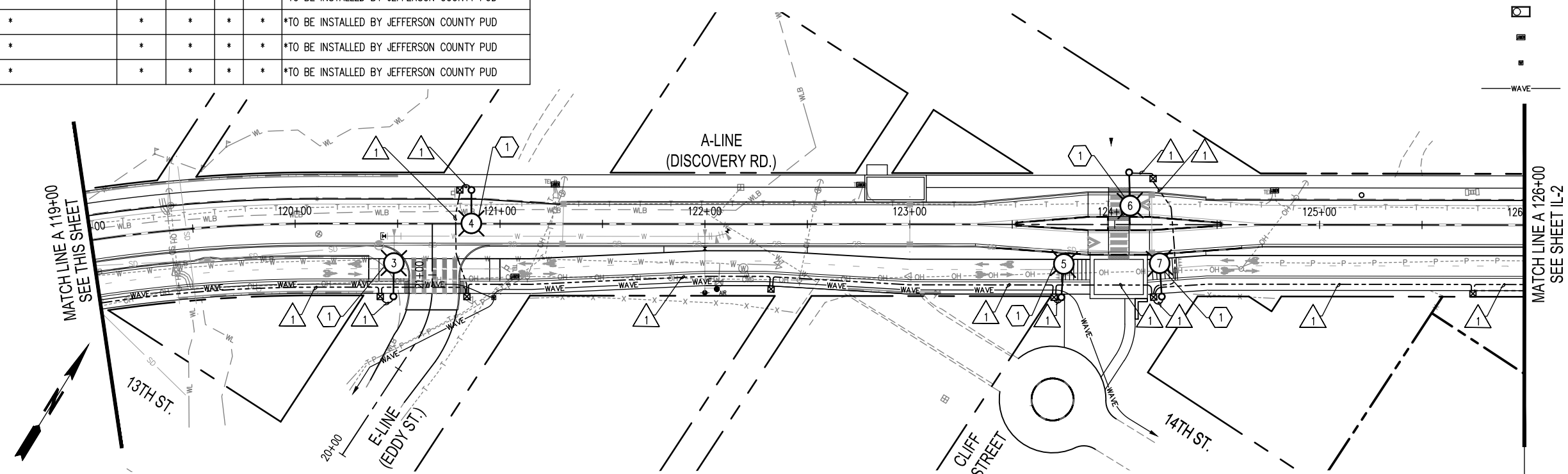
- ILLUMINATION CONSTRUCTION NOTES**
- 1 LUMINAIRE, POLE, AND ASSOCIATED EQUIPMENT SHALL BE INSTALLED BY JEFFERSON COUNTY PUD. POLE SHOWN FOR REFERENCE ONLY.
 - 2 LOCATION OF PROPOSED POWER SOURCE.
 - 3 INSTALL NEW CONDUIT INTO EXISTING PEDESTAL. COORDINATE INSTALLATION WITH PUD.

LUMINAIRE SCHEDULE

LUMINAIRE #	STATION	OFFSET	LUMINAIRE TYPE	LUMINAIRE ARM	MOUNTING HEIGHT	BASE	CIRCUIT #	COMMENTS
1	115+94.0	35.5' RT	*	*	*	*	*	*TO BE INSTALLED BY JEFFERSON COUNTY PUD
2	116+31.0	16.5' LT	*	*	*	*	*	*TO BE INSTALLED BY JEFFERSON COUNTY PUD
3	120+48.0	35.5' RT	*	*	*	*	*	*TO BE INSTALLED BY JEFFERSON COUNTY PUD
4	120+86.0	16.5' LT	*	*	*	*	*	*TO BE INSTALLED BY JEFFERSON COUNTY PUD
5	123+74.0	35.5' RT	*	*	*	*	*	*TO BE INSTALLED BY JEFFERSON COUNTY PUD
6	124+07.0	25.5' LT	*	*	*	*	*	*TO BE INSTALLED BY JEFFERSON COUNTY PUD
7	124+23.0	35.0' RT	*	*	*	*	*	*TO BE INSTALLED BY JEFFERSON COUNTY PUD

FRANCHISE UTILITIES LEGEND

- INSTALLED BY OTHERS
- ⊠ LUMEN 4484 VAULT
 - ⊠ LUMEN 3048 HAND HOLE
 - ⊠ WAVE PEDESTAL
 - WAVE 2" CONDUIT



04/12/2022 1:23:51pm User: tomh... V:\PROJECTS\069914 PORT TOWNSEND\069914 DISCOVERY ROAD BIKEWAY AND SIDEWALKS\CADD\069914 IL-01.DWG

BID SET

<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REVISIONS</th> <th>DATE</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REVISIONS	DATE	BY				DESIGNED BY: G HILEN DRAWN BY: S HOWSDEN CHECKED BY: S SAWYER	ISSUE DATE: 10/22/2022 JOB No.: 0699.14 DRAWING FILE No.: 0699.14 IL-01	ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED		 <p>8730 TALLON LANE NE, SUITE 200, LACEY, WASHINGTON 98516 P: 360-352-1465 F: 360-352-1509 SCJALLIANCE.COM</p>		DISCOVERY ROAD BIKEWAY ROADWAY & SIDEWALK PROJECT PORT TOWNSEND, WA ILLUMINATION PLAN A 112+00 - A 126+00	DRAWING No.: IL-1 SHEET No.: 44 OF 71
REVISIONS	DATE	BY												

SEC. 9 & 10, T. 30 N., R. 1-W., W.M.

LUMINAIRE SCHEDULE

LUMINAIRE #	STATION	OFFSET	LUMINAIRE TYPE	LUMINAIRE ARM	MOUNTING HEIGHT	BASE	CIRCUIT #	COMMENTS
8	131+32.0	33.5' RT	*	*	*	*	*	*TO BE INSTALLED BY JEFFERSON COUNTY PUD
9	131+66.9	29.6' LT	*	*	*	*	*	*TO BE INSTALLED BY JEFFERSON COUNTY PUD
10/11	132+49.0	4.5' LT	*	*	*	*	*	*TO BE INSTALLED BY JEFFERSON COUNTY PUD
12/13	134+27.0	1.0' LT	*	*	*	*	*	*TO BE INSTALLED BY JEFFERSON COUNTY PUD
14	135+09.0	26.0' LT	*	*	*	*	*	*TO BE INSTALLED BY JEFFERSON COUNTY PUD

ILLUMINATION LEGEND

EXISTING	NEW	
		JEFFERSON COUNTY PUD HANDHOLE
		CONDUIT
		JEFFERSON COUNTY PUD TRANSFORMER
		WIRE NOTE
		CONSTRUCTION NOTE
		LIGHT STANDARD

WIRING SCHEDULE

RUN NO.	CONDUIT SIZE	WIRE/CABLE	REMARKS
1	2" PVC		SEE NOTE 1

1. WIRING TO BE INSTALLED BY JEFFERSON COUNTY PUD

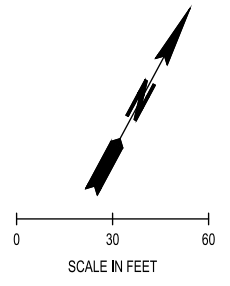
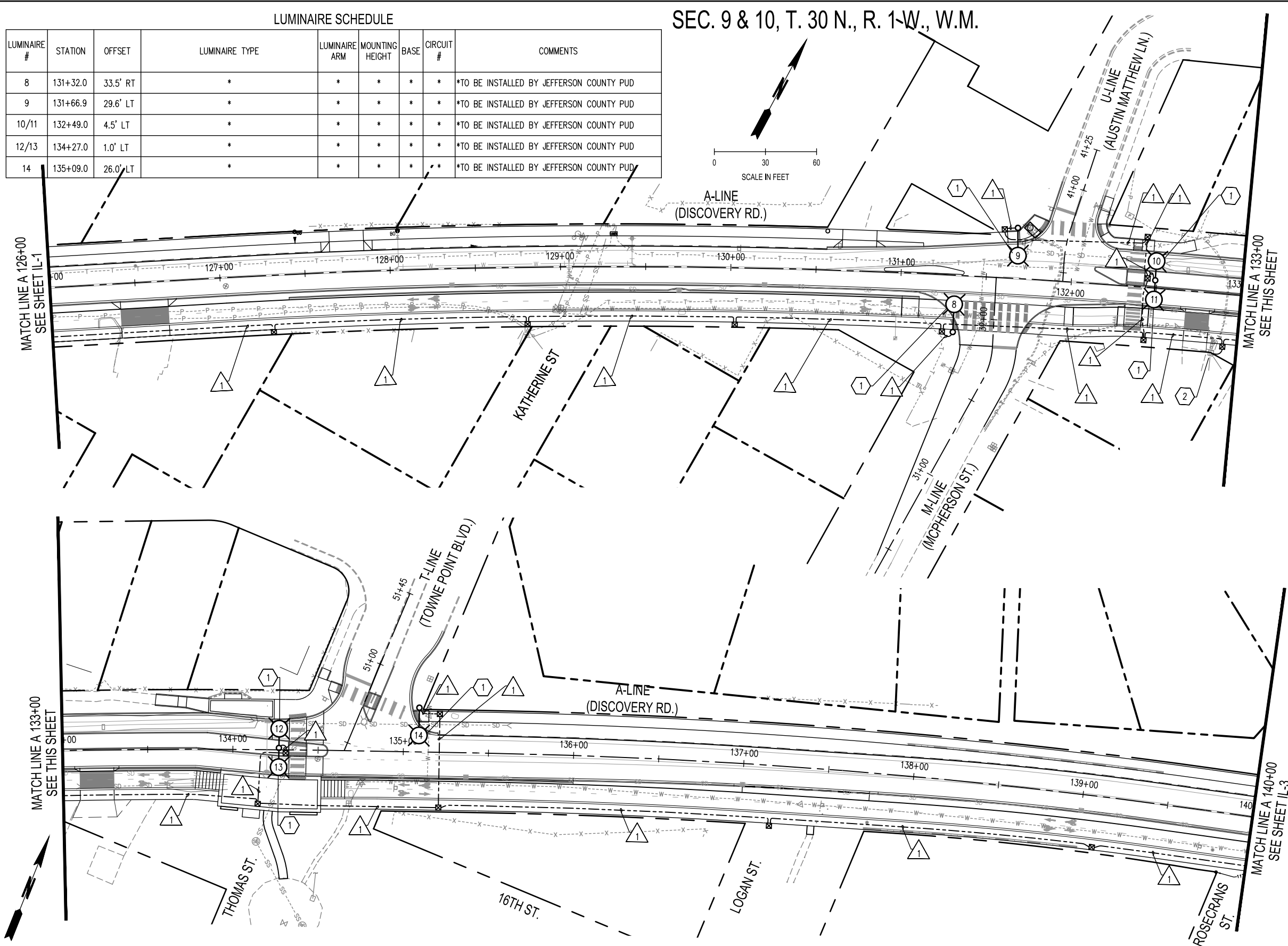
- ILLUMINATION CONSTRUCTION NOTES**
- 1 LUMINAIRE, POLE, AND ASSOCIATED EQUIPMENT SHALL BE INSTALLED BY JEFFERSON COUNTY PUD. POLE SHOWN FOR REFERENCE ONLY.
 - 2 LOCATION OF PROPOSED POWER SOURCE.
 - 3 INSTALL NEW CONDUIT INTO EXISTING PEDESTAL. COORDINATE INSTALLATION WITH PUD.

- GENERAL CONSTRUCTION NOTES**
- LUMEN'S EQUIPMENT SHALL BE INSTALLED BY OTHERS PRIOR TO CONTRACT.
 - ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE WSDOT/APWA STANDARD PLANS, STANDARD SPECIFICATIONS, CITY OF PORT TOWNSEND STANDARDS, JEFFERSON COUNTY PUD STANDARDS, SPECIAL PROVISIONS, AND THESE PLANS.
 - THE LOCATION OF ALL CONDUIT AND JUNCTION BOXES SHOWN ON THIS PLAN ARE FOR GRAPHICAL REPRESENTATION ONLY. FINAL LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER IN THE FIELD. STATION AND OFFSET PROVIDED FOR LUMINAIRE INSTALLATION IS AT THE CENTER OF THE FOUNDATION.
 - CONDUIT LOCATION IS SHOWN FOR REFERENCE ONLY. FINAL LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER IN THE FIELD. NUMBER OF CONDUIT BENDS BETWEEN PULL POINTS SHALL NOT BE MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (360 DEGREES TOTAL). IF NUMBER OF BENDS EXCEEDS 360 DEGREES, THE CONTRACTOR SHALL INSTALL ADDITIONAL JUNCTION BOXES, AS REQUIRED.

FRANCHISE UTILITIES LEGEND

INSTALLED BY OTHERS

	LUMEN 4484 VAULT
	LUMEN 3048 HAND HOLE
	WAVE PEDESTAL
	WAVE 2" CONDUIT

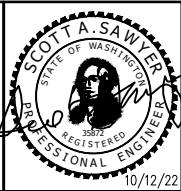


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REVISIONS	DATE	BY

DESIGNED BY: G HILEN	ISSUE DATE: 10/22/2022
DRAWN BY: S HOWSDEN	JOB No.: 0699.14
CHECKED BY: S SAWYER	DRAWING FILE No.: 0699.14 IL-01

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED



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DISCOVERY ROAD BIKEWAY ROADWAY & SIDEWALK PROJECT PORT TOWNSEND, WA	DRAWING No.: IL-2
ILLUMINATION PLAN A 126+00 - A 140+00	SHEET No.: 45 OF 71

BID SET

SEC. 9 & 10, T. 30 N., R. 1 W., W.M.

ILLUMINATION LEGEND

EXISTING	NEW	
		JEFFERSON COUNTY PUD HANDHOLE
		CONDUIT
		JEFFERSON COUNTY PUD TRANSFORMER
		WIRE NOTE
		CONSTRUCTION NOTE
		LIGHT STANDARD

WIRING SCHEDULE

RUN NO.	CONDUIT SIZE	WIRE/CABLE	REMARKS
1	2" PVC		SEE NOTE 1

1. WIRING TO BE INSTALLED BY JEFFERSON COUNTY PUD

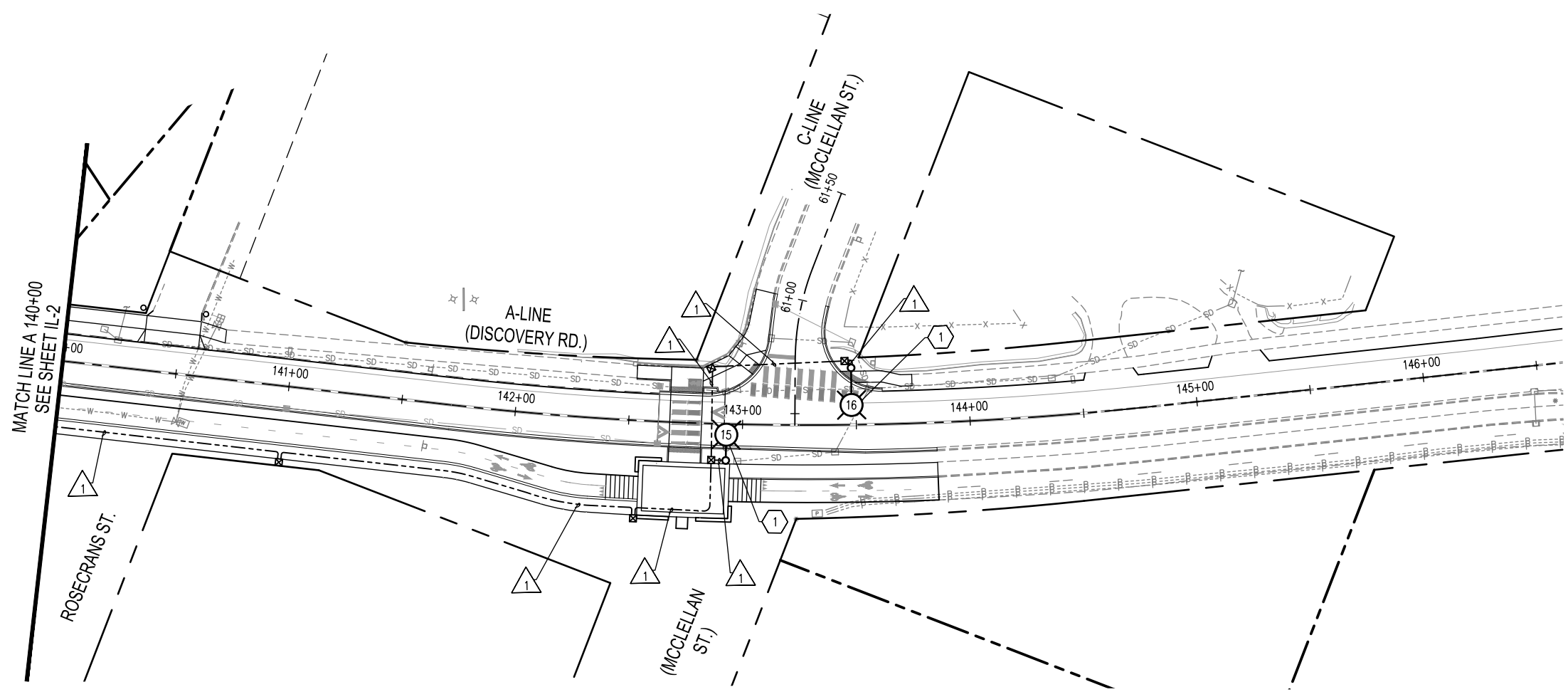
- ILLUMINATION CONSTRUCTION NOTES**
- LUMINAIRE, POLE, AND ASSOCIATED EQUIPMENT SHALL BE INSTALLED BY JEFFERSON COUNTY PUD. POLE SHOWN FOR REFERENCE ONLY.
 - LOCATION OF PROPOSED POWER SOURCE.
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- GENERAL CONSTRUCTION NOTES**
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FRANCHISE UTILITIES LEGEND

INSTALLED BY OTHERS

	LUMEN 4484 VAULT
	LUMEN 3048 HAND HOLE
	WAVE PEDESTAL
	WAVE 2" CONDUIT



LUMINAIRE SCHEDULE

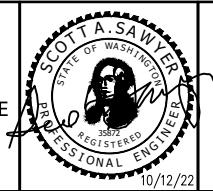
LUMINAIRE #	STATION	OFFSET	LUMINAIRE TYPE	LUMINAIRE ARM	MOUNTING HEIGHT	BASE	CIRCUIT #	COMMENTS
15	142+93.0	16.0' RT	*	*	*	*	*	*TO BE INSTALLED BY JEFFERSON COUNTY PUD
16	143+48.0	25.0' LT	*	*	*	*	*	*TO BE INSTALLED BY JEFFERSON COUNTY PUD

04.12.2022 1:24:45pm User: mitch_sawyer V:\PROJECTS\0699_014_CITY OF PORT TOWNSEND\0699_14_DISCOVERY ROAD BIKEWAY AND SIDEWALKS\CADD\0699_14_IL-03.DWG

REVISIONS	DATE	BY	DESIGNED BY:	ISSUE DATE:
			G HILEN	10/22/2022
			DRAWN BY:	JOB No.:
			S HOWSDEN	0699_14
			CHECKED BY:	DRAWING FILE No.:
			S SAWYER	0699_14 IL-01

BID SET

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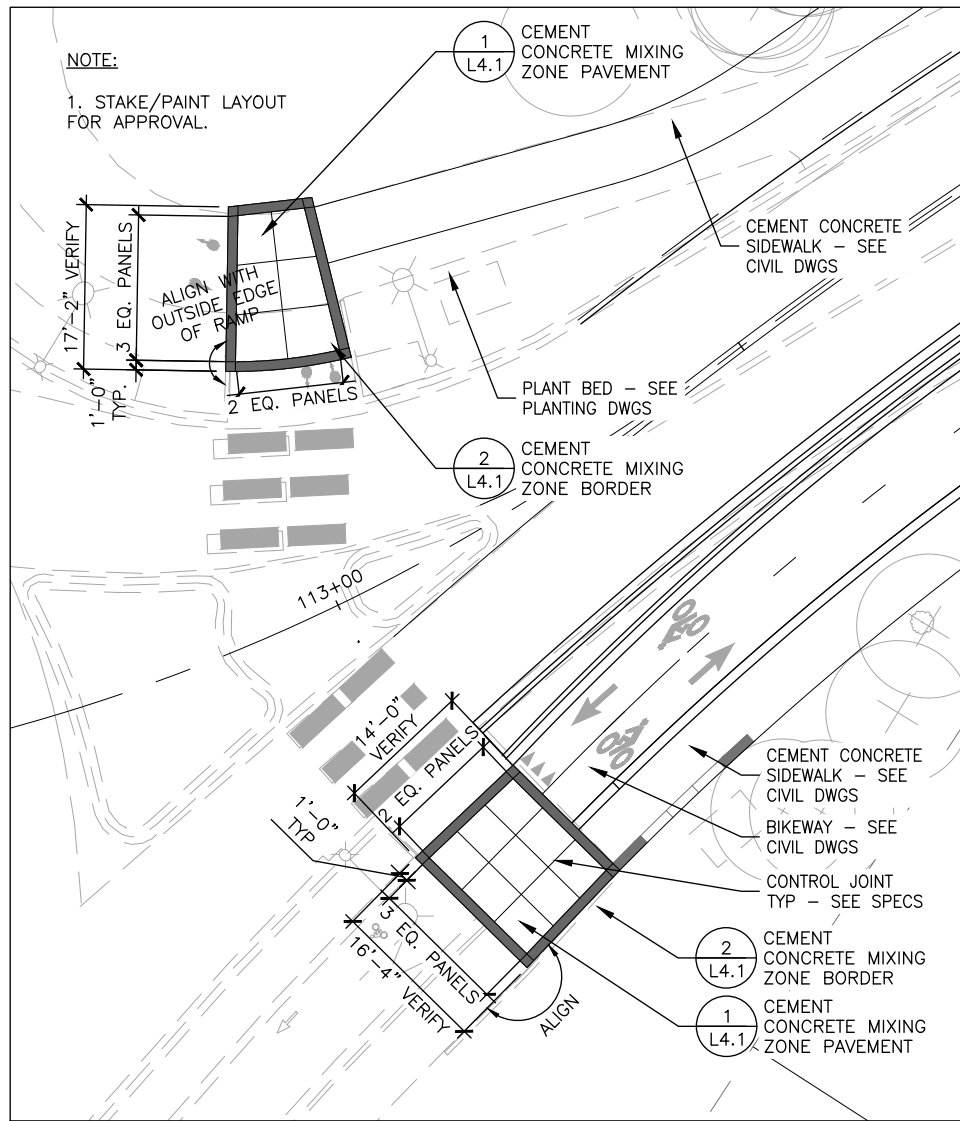


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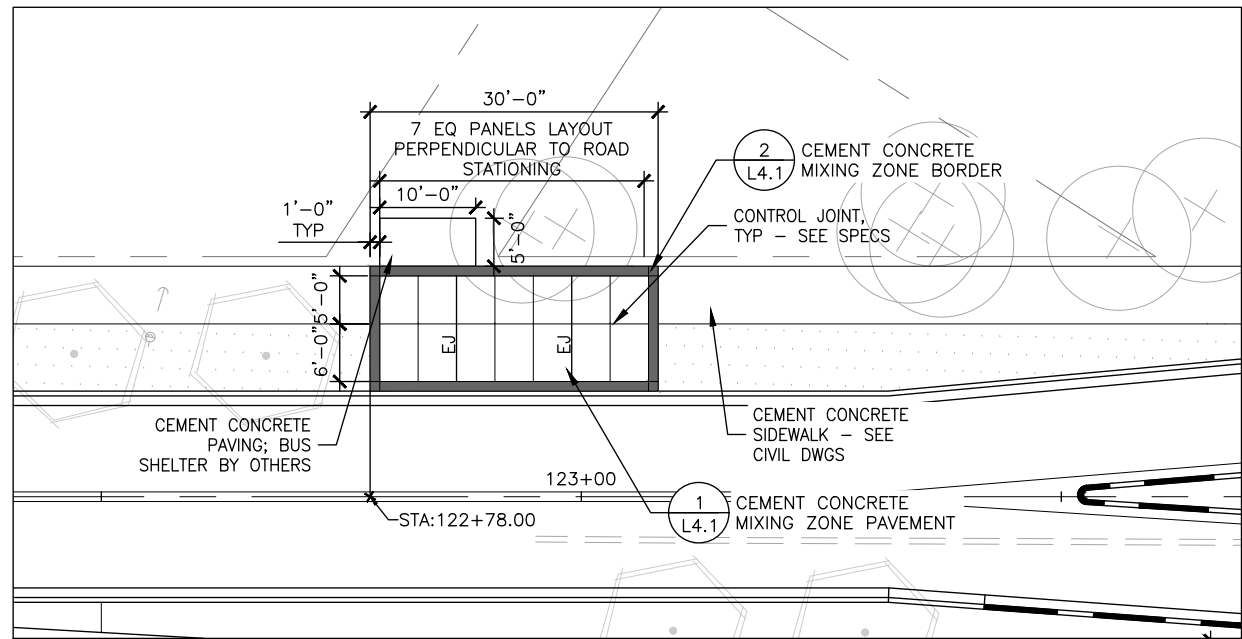


DISCOVERY ROAD
BIKEWAY ROADWAY & SIDEWALK PROJECT
PORT TOWNSEND, WA
ILLUMINATION PLAN
A 140+00 - A 146+00

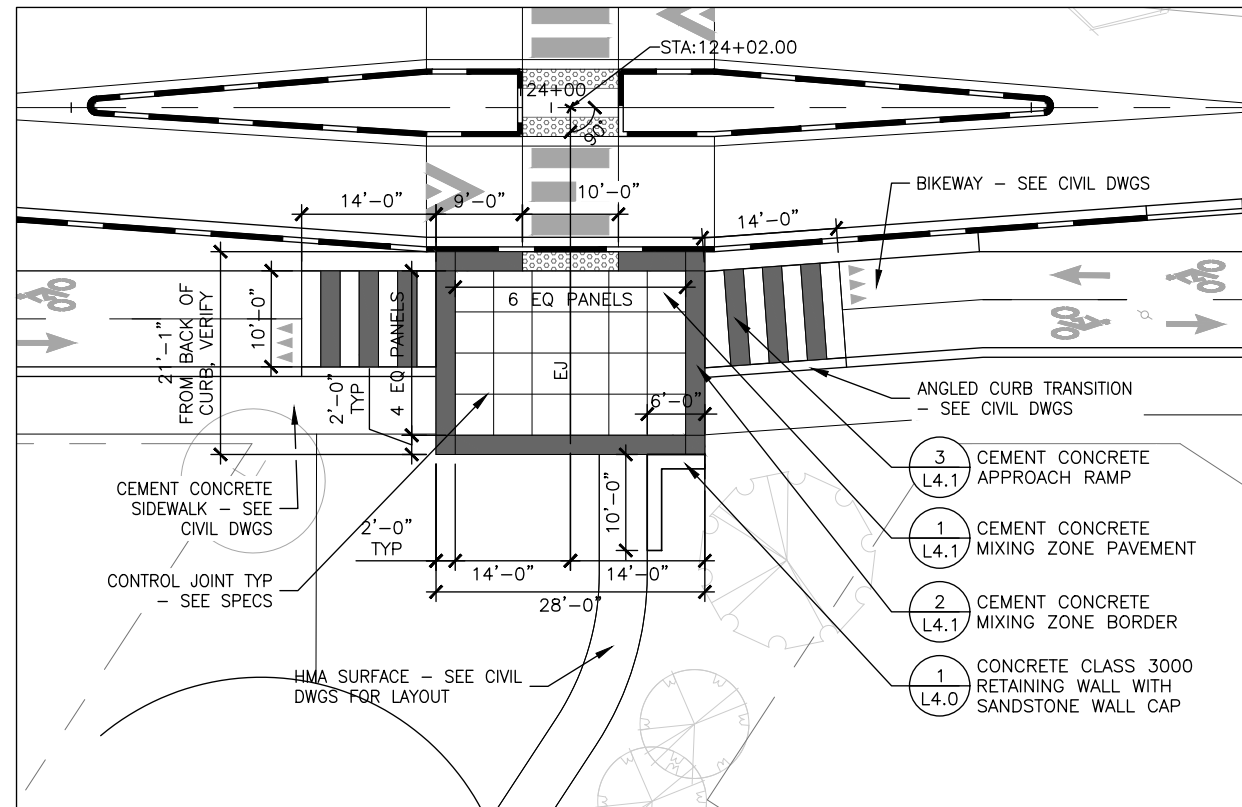
DRAWING No.: IL-3
SHEET No.: 46 OF 71



1 WEST MIXING ZONE ENLARGEMENT PLAN
SCALE: 1"=10'-0"



2 BUS STOP ENLARGEMENT PLAN
SCALE: 1"=10'-0"



3 MIXING ZONE 1 ENLARGEMENT PLAN
SCALE: 1"=10'-0"



Jun 22, 2022 4:06:15pm - User: davis Z:\PROJECTS\PORT TOWNSEND DISCOVERY ROAD\CAD\WORKING DR-LAYO.DWG

△	REVISIONS	DATE	BY	DESIGNED BY:	ISSUE DATE:
				D.S. / J.D.	6/24/2022
				DRAWN BY:	JOB No.:
				D.S. / J.D.	0699.14
				CHECKED BY:	DRAWING FILE No.:
				C.R. / D.S.	

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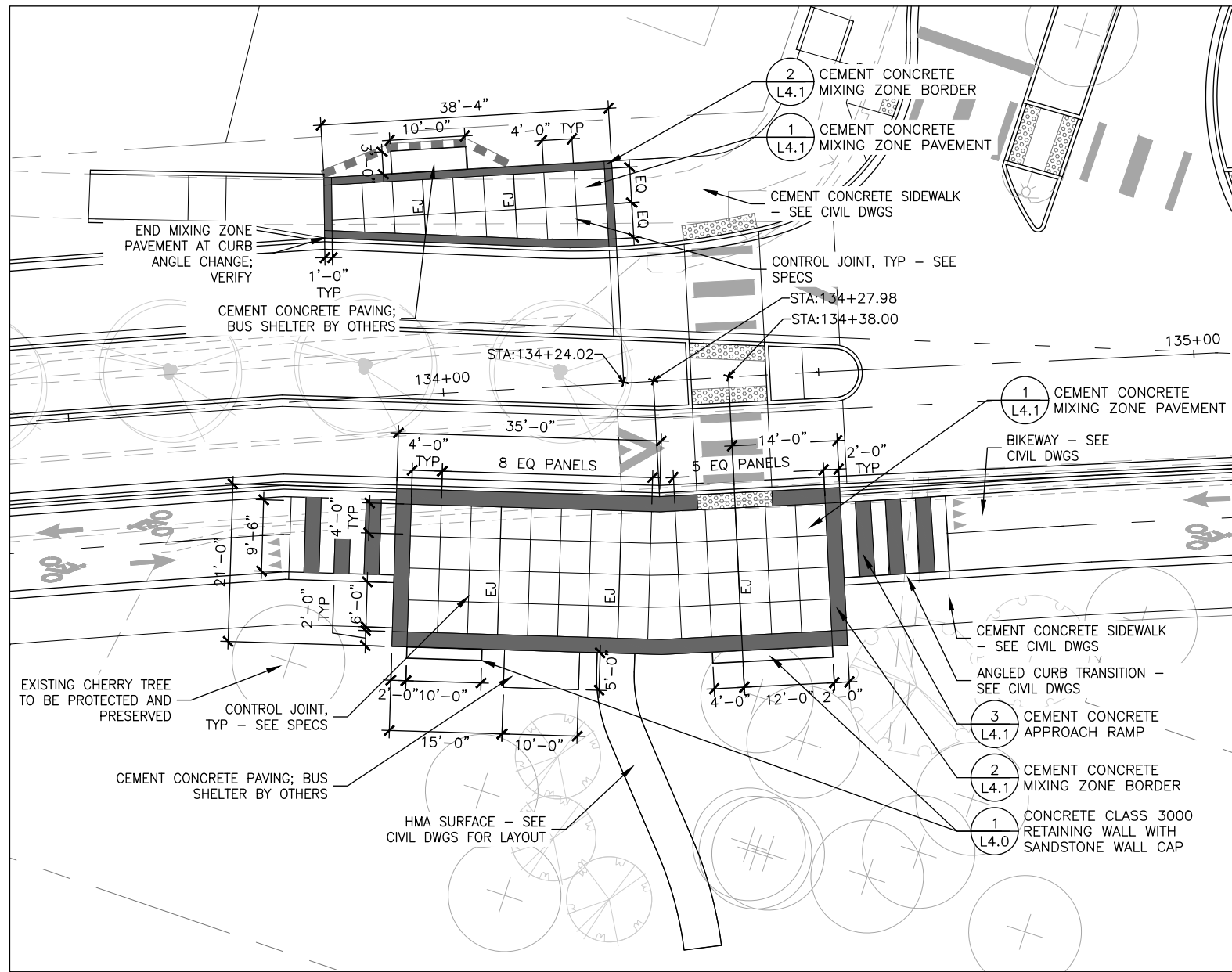
STATE OF WASHINGTON
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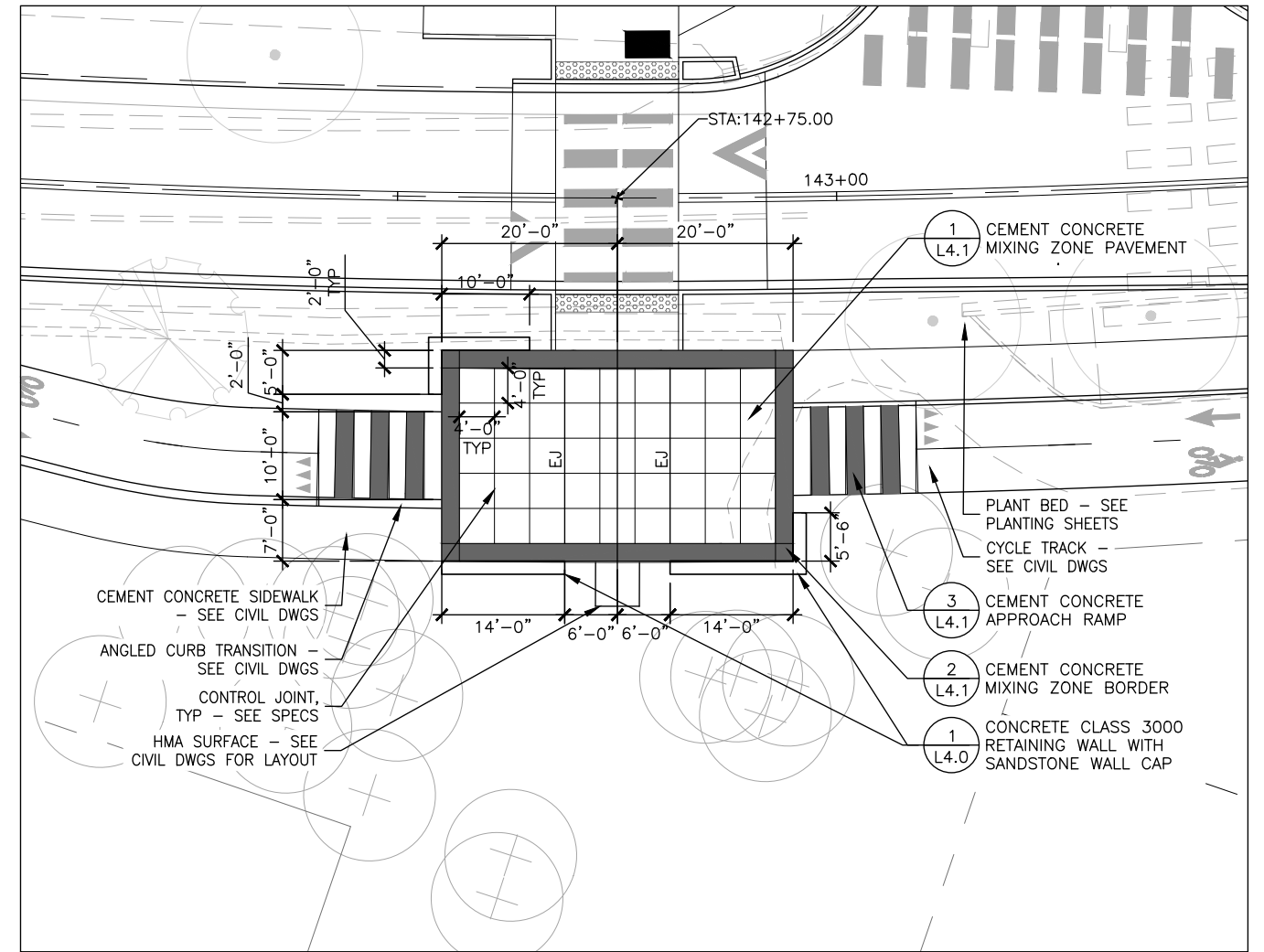


DISCOVERY ROAD
BIKEWAY ROADWAY & SIDEWALK PROJECT
PORT TOWNSEND, WA
LAYOUT AND MATERIALS ENLARGMENT PLANS

DRAWING No.: L1.0
SHEET No.: 47 of 69



1 MIXING ZONE 2 ENLARGEMENT PLAN
 SCALE: 1"=10'-0"



2 MIXING ZONE 3 ENLARGEMENT PLAN
 SCALE: 1"=10'-0"



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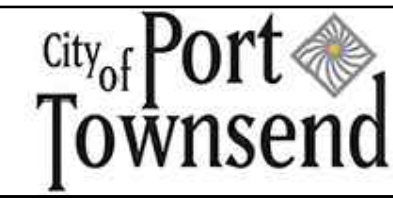
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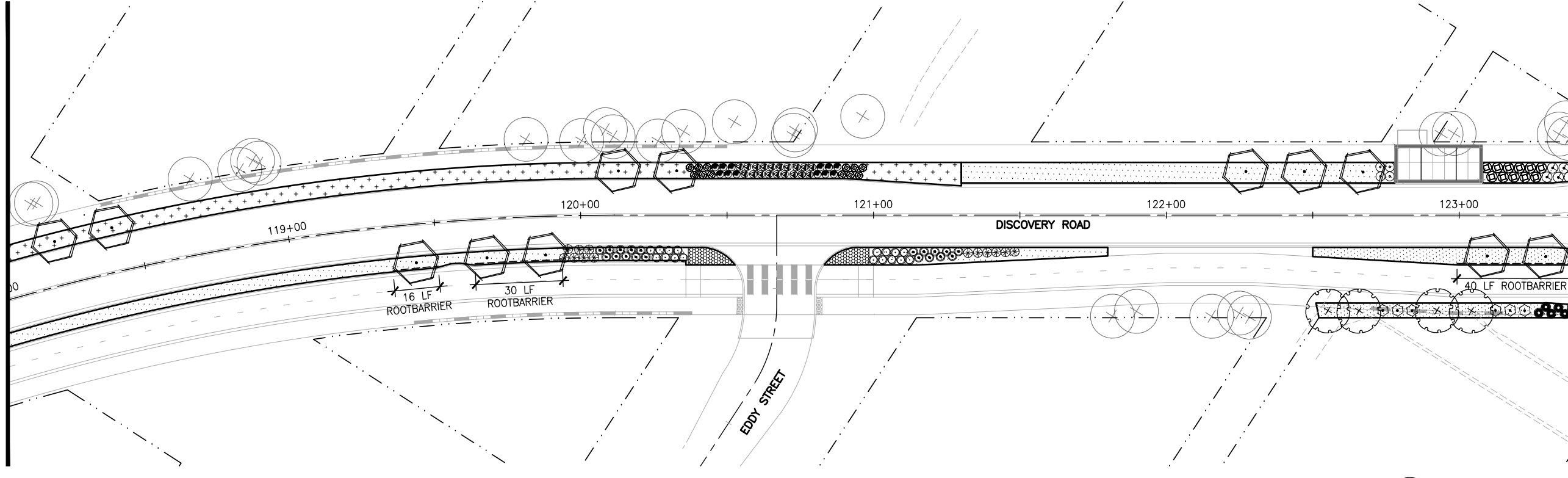
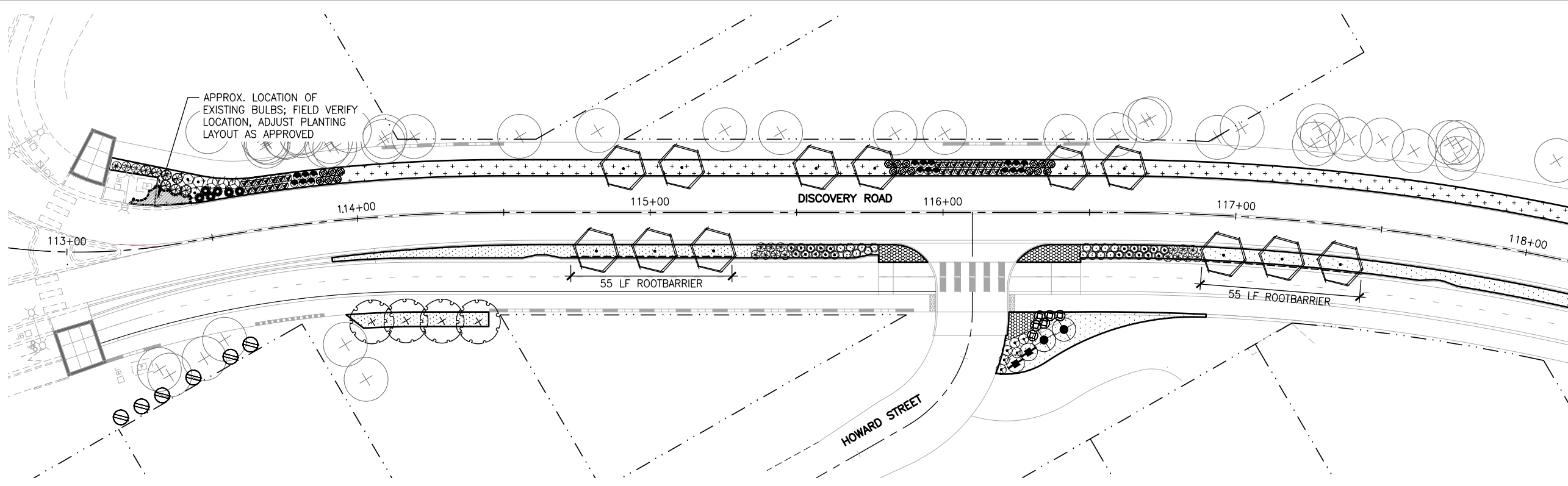
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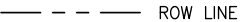
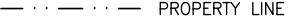

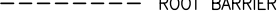



DISCOVERY ROAD
 BIKEWAY ROADWAY & SIDEWALK PROJECT
 PORT TOWNSEND, WA
 LAYOUT AND MATERIALS ENLARGMENT PLANS

DRAWING No.: L1.1
 SHEET No.: 48 of 69

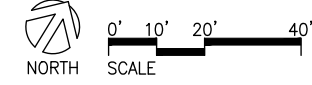
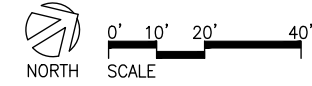


PLANTING LEGEND

-  EXISTING TREE TO REMAIN
-  PROPOSED TREE
-  ROW LINE
-  PROPERTY LINE
-  113+00 ROADWAY CENTERLINE STATIONING
-  ROOT BARRIER
-  EXISTING PLANTING - FIELD VERIFY LOCATIONS

NOTES:

1. SEE SHEET L2.3 FOR PLANTING SCHEDULE.
2. SEE SHEETS L2.4 FOR PLANTING NOTES.
3. SEE SHEET L2.5 FOR PLANTING DETAILS.



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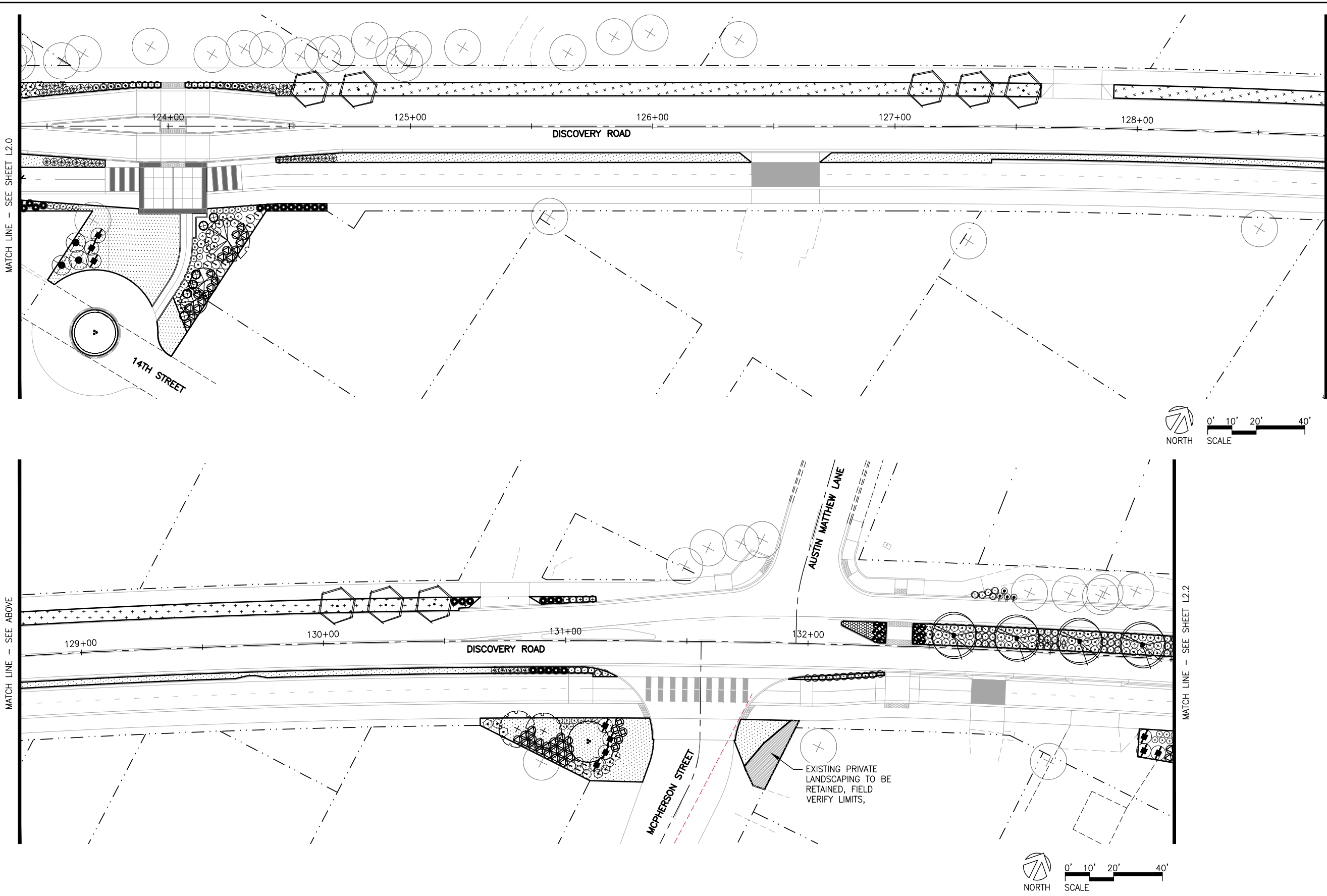
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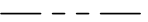
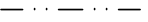
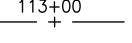
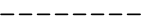



DISCOVERY ROAD BIKEWAY ROADWAY & SIDEWALK PROJECT PORT TOWNSEND, WA		DRAWING No.: L2.0
PLANTING PLAN		SHEET No.: 49 of 69

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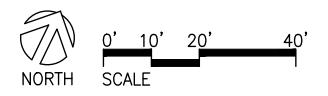
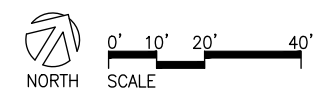


PLANTING LEGEND

-  EXISTING TREE TO REMAIN
-  PROPOSED TREE
-  ROW LINE
-  PROPERTY LINE
-  ROADWAY CENTERLINE STATIONING
-  ROOT BARRIER
-  EXISTING PLANTING - FIELD VERIFY LOCATIONS

NOTES:

1. SEE SHEET L2.3 FOR PLANTING SCHEDULE.
2. SEE SHEETS L2.4 FOR PLANTING NOTES.
3. SEE SHEET L2.5 FOR PLANTING DETAILS.



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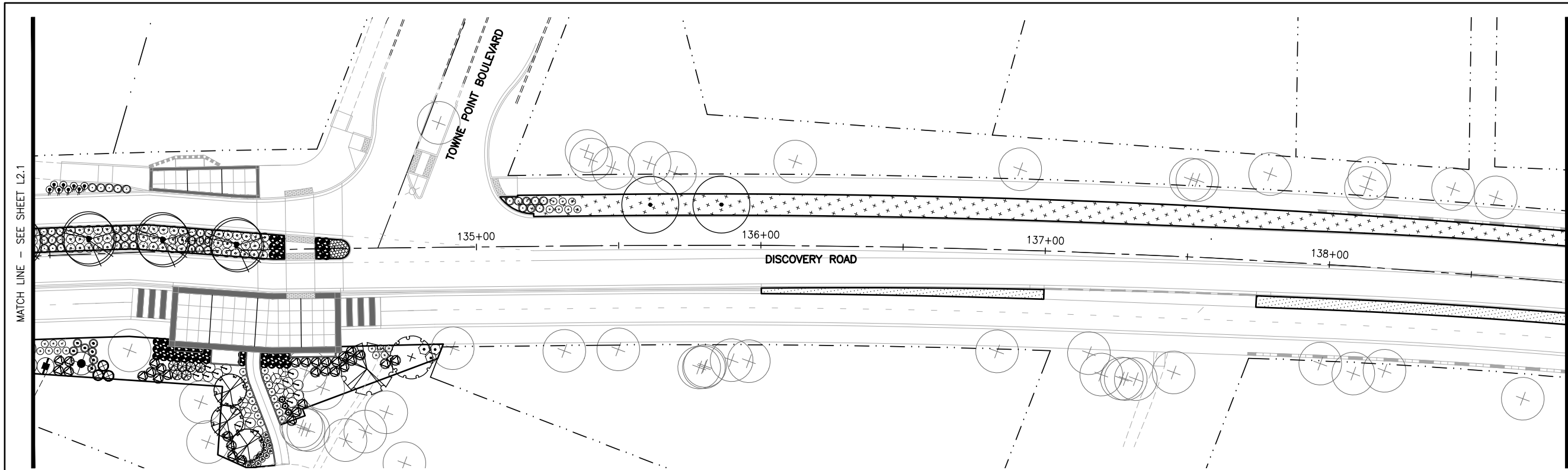
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DISCOVERY ROAD BIKEWAY ROADWAY & SIDEWALK PROJECT PORT TOWNSEND, WA	
PLANTING PLAN	

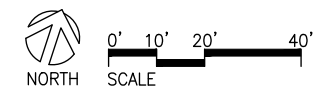
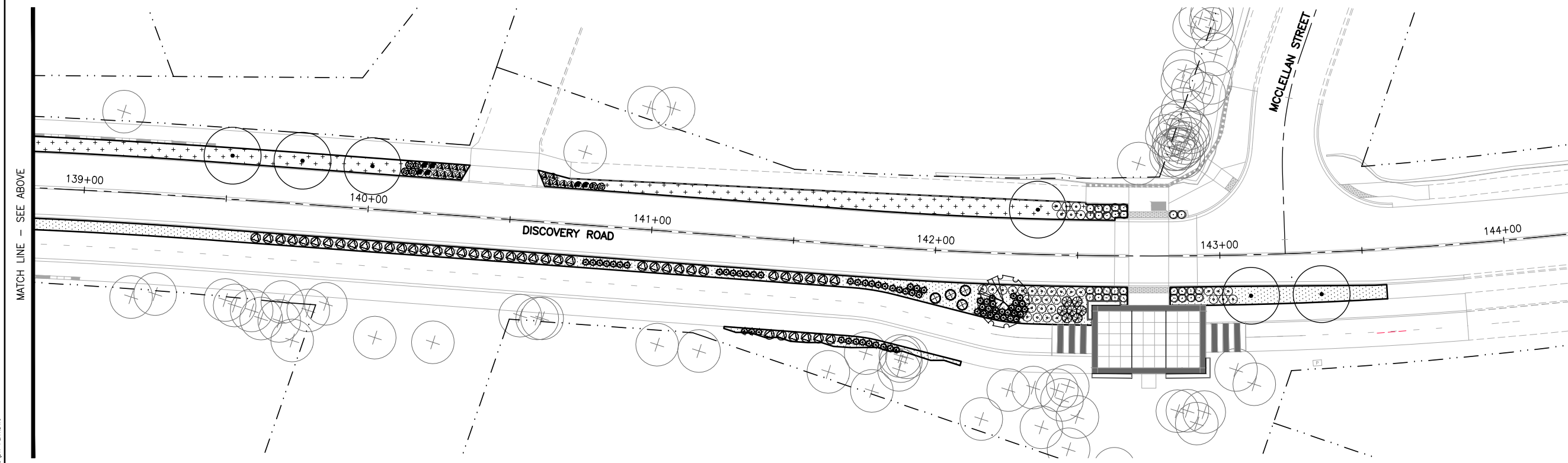
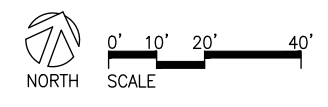
DRAWING No.:	L2.1
SHEET No.:	50 of 69



PLANTING LEGEND

- EXISTING TREE TO REMAIN
- PROPOSED TREE
- ROW LINE
- PROPERTY LINE
- ROADWAY CENTERLINE STATIONING
- ROOT BARRIER
- EXISTING PLANTING - FIELD VERIFY LOCATIONS

- NOTES:**
1. SEE SHEET L2.3 FOR PLANTING SCHEDULE.
 2. SEE SHEETS L2.4 FOR PLANTING NOTES.
 3. SEE SHEET L2.5 FOR PLANTING DETAILS.

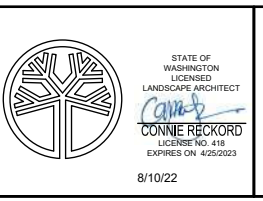


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DISCOVERY ROAD BIKEWAY ROADWAY & SIDEWALK PROJECT PORT TOWNSEND, WA	DRAWING No.: L2.2
PLANTING PLAN	SHEET No.: 51 of 69

BID SET

PLANT SCHEDULE

SYMBOL	BID#	SCIENTIFIC / COMMON NAME	PLANT QTY.	SIZE	COND.	REMARKS
<u>LARGE TREE</u>						
	39	Liquidambar styraciflua 'Rotundiloba' / Rotundiloba Sweetgum	7	3" CAL.	B&B	-
	40	Malus tschonoskii / Chonosuki Crabapple	32	3" CAL.	B&B	-
	41	Prunus x yedoensis 'Akebono' / Flowering Cherry	2	3" CAL.	B&B	PROVIDE DEER PROTECTION FENCE. SEE
	42	Zelkova serrata 'Musashino' / Japanese Zelkova	8	3" CAL.	B&B	-
<u>SMALL TREE</u>						
	43	Acer glabrum / Douglas Maple	5	6'-7' HT.	B&B OR CONT.-	
	44	Amelanchier x grandiflora / Apple Serviceberry	11	6'-7' HT.	B&B OR CONT.-	
	45	Cornus kousa x nuttallii 'Venus' or 'Starlight' / Kousa Dogwood	3	2" CAL.	B&B OR CONT.-	
<u>LARGE SHRUB</u>						
	46	Arbutus unedo 'Elfin King' / Dwarf Strawberry Tree	6	5 GAL.	CONT.	8' O.C.
	48	Ceanothus 'Dark Star' / California Lilac	12	2 GAL.	CONT.	6' O.C.
	50	Lonicera involucrata / Twinberry	15	1 GAL.	CONT.	4' O.C.
	51	Myrica Californica / Pacific Wax Myrtle	6	2 GAL.	CONT.	5' O.C.
	52	Rhododendron macrophyllum / Rhododendron	13	5 GAL.	CONT.	PROVIDE DEER PROTECTION FENCE. SEE
<u>MEDIUM SHRUBS</u>						
	51	Cistus x hybridus / White Rockrose	22	1 GAL.	CONT.	42" O.C.
	52	Gaultheria shallon / Salal	115	1 GAL.	CONT.	42" O.C.
	53	Potentilla fruticosa / Bush Cinquefoil	68	1 GAL.	CONT.	42" O.C.
	54	Ribes sanguineum / Red Flowering Currant	10	1 GAL.	CONT.	42" O.C.
	55	Rosmarinus officinalis / Rosemary	20	1 GAL.	CONT.	42" O.C.
	56	Symphoricarpos albus / Snowberry	36	1 GAL.	CONT.	42" O.C.
	57	Vaccinium ovatum / Evergreen Huckleberry	26	1 GAL.	CONT.	42" O.C.

PLANT SCHEDULE CONTINUED

SYMBOL	BID#	SCIENTIFIC / COMMON NAME	PLANT QTY.	SIZE	COND.	REMARKS
<u>SMALL SHRUBS / GROUND COVER</u>						
	58	Abelia x grandiflora 'Kaleidoscope' / Abelia	56	1 GAL.	CONT.	36" O.C.
	59	Arctostaphylos uva ursi 'Massachusetts' / Kinnikinnick	15	1 GAL.	CONT.	24" O.C.
	60	Cornus sericea 'Kelsey' / Dwarf Red-Osier Dogwood	20	1 GAL.	CONT.	36" O.C.
	61	Erica x darleyensis 'Kramer's Rote' / Kramer's Red Winter Heath	166	1 GAL.	CONT.	32" O.C.
	62	Fothergilla gardenii / Dwarf Fothergilla	61	1 GAL.	CONT.	30" O.C.
	67	Fragaria chiloensis / Beach Strawberry	295	4 INCH	CONT.	15" O.C.
	63	Lavandula angustifolia 'Hidcote' / Hidcote Lavender	52	1 GAL.	CONT.	24" O.C.
	64	Lonicera pileata / Privet Honeysuckle	165	1 GAL.	CONT.	24" O.C.
	65	Mahonia nervosa / Low Oregon Grape	12	1 GAL.	CONT.	24" O.C.
	66	Polystichum munitum / Swordfern	68	1 GAL.	CONT.	24" O.C.
<u>SEED MIXES</u>						
	38	Native Seed Mix with Topsoil Type A	17750 SF (APPROX.)		-	-
	38	Native Seed Mix with Topsoil Type A - Biofiltration	12600 SF (APPROX.)		-	-
<u>SWALE GRASSES</u>						
	68	Carex obnupta / Slough Sedge	36		PLUGS	-
	68	Carex testacea / Orange Sedge	63		PLUGS	-
	68	Juncus balticus / Baltic Rush	36		PLUGS	-

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DISCOVERY ROAD
BIKEWAY ROADWAY & SIDEWALK PROJECT
PORT TOWNSEND, WA

PLANTING SCHEDULE

DRAWING No.:	L2.3
SHEET No.:	52 of 69

PLANTING NOTES

1. VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING WORK. NOTIFY OWNER'S REPRESENTATIVE OF ANY CONFLICTS.
2. FLAG ALL TREES TO REMAIN PROTECTED AND UNDISTURBED.
3. STAKE SIGN LOCATIONS PRIOR TO TREE AND SHRUB INSTALLATION. TREE AND SHRUB LOCATIONS NEAR SIGNS MUST BE REVIEWED AND APPROVED IN THE FIELD.
4. STAKE LOCATIONS OF ALL NEW TREES FOR APPROVAL AND ORIENT AS DIRECTED. STAKE LOCATIONS OF ALL NEW PLANT BEDS FOR APPROVAL PRIOR TO PLANTING. SET SHRUBS IN PROPOSED LOCATIONS PRIOR TO PLANTING AND ADJUST LOCATIONS OF SHRUBS IN FIELD AS DIRECTED BY OWNERS REPRESENTATIVE.
5. PRESERVE AND PROTECT ALL EXISTING VEGETATION TO REMAIN. AVOID DRIVING POSTS OR STAKES INTO MAJOR ROOTS AND/OR EXISTING UTILITIES TO REMAIN. DO NOT DRIVE MACHINERY OVER ROOTS WITHIN EXISTING TREE DRIPLINES, INCLUDING TREES LOCATED OUTSIDE THE LIMIT OF WORK.
6. ALL PLANT MATERIAL SHALL BE IN ACCORDANCE WITH MINIMUM SIZES AND TYPES IDENTIFIED IN THE PLANT SCHEDULE AND CITY OF PORT TOWNSEND CODES. PLANTING MATERIALS AND METHODS SHALL BE PER THE SPECIFICATIONS. PLANT QUANTITIES SHALL BE PER PLANT SCHEDULE AND AS SHOWN ON THE DRAWINGS. IF THERE IS A DISCREPANCY, THE GREATER QUANTITY SHALL BE INSTALLED.
7. PRUNE EXISTING AND NEW VEGETATION ONLY AS DIRECTED BY OWNERS REPRESENTATIVE.
8. SEE SPECIFICATION FOR PLANT ESTABLISHMENT REQUIREMENTS.
9. SEE SPECIFICATIONS AND PLANTING DETAILS FOR PREPARATION OF PLANTED AREAS, INCLUDING SUBGRADE PREPARATION, IMPORTED MATERIALS AND FINISH GRADING.
10. PRIOR TO BEGINNING WORK, SET UP A PLANTING PRECONSTRUCTION MEETING TO DISCUSS OPTIMUM PLANTING SEASON, SITE PREPARATION, PLANTING AND IRRIGATION CONSTRUCTION WITH THE FOLLOWING PARTIES:
 - PLANTING / SITE PREPARATION CONTRACTOR(S)
 - IRRIGATION CONTRACTOR
 - OWNER
 - LANDSCAPE ARCHITECT
10. ALL DISTURBED AREAS NOT OTHERWISE DESIGNATED FOR IMPROVEMENTS SHALL BE RESTORED TO PREVIOUS OR BETTER CONDITION.
11. PROVIDE ROOT BARRIER PER SPECIFICATION AT PERIMETER OF PLANT BEDS AS SHOWN ON THE PLANS.
12. GRADE SURFACE OF PLANT BEDS AT 2% MINIMUM SLOPE TOWARD TOP OF CURB UNLESS OTHERWISE INDICATED. SEE GRADING PLANS.
13. PROVIDE FERTILIZER TABLETS AT TREES AND ALL PLANT MATERIAL IN PLANT BEDS.
14. AREAS DISTURBED BY THE PLANTING OF TREES NOT LOCATED IN PLANT BEDS SHALL BE SEEDED.

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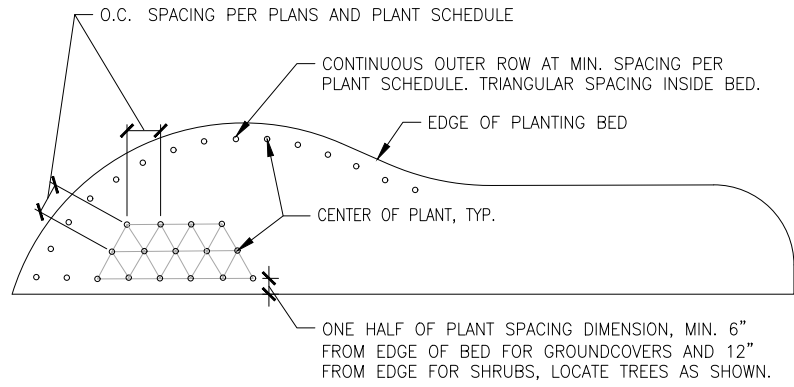
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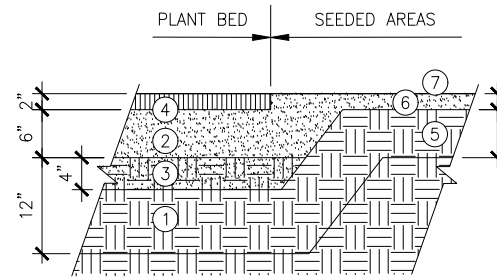
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DISCOVERY ROAD BIKEWAY ROADWAY & SIDEWALK PROJECT PORT TOWNSEND, WA	DRAWING No.: L2.4
PLANTING NOTES	SHEET No.: 53 of 69



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



2 SOIL PREP
SCALE: 1"=1'-0"

NOTE:

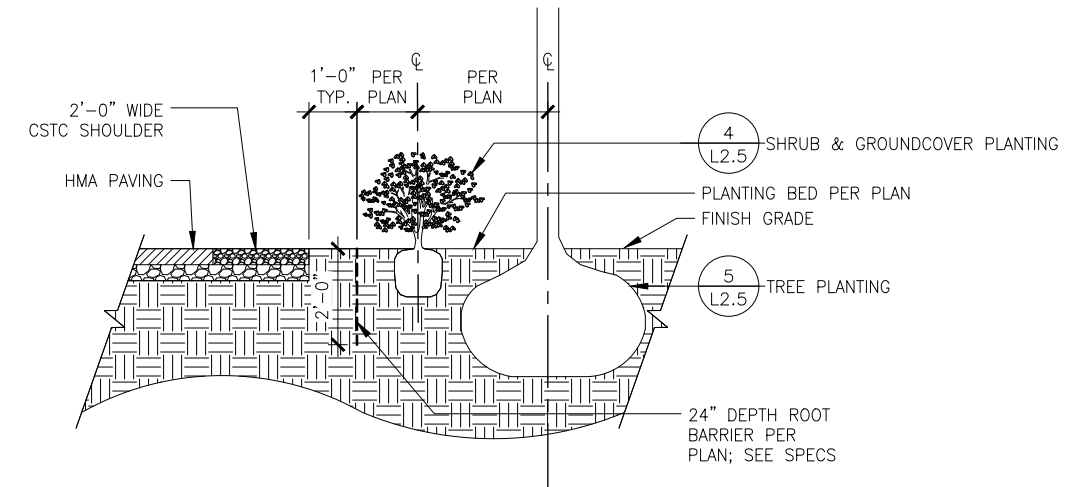
1. SEE SPECS FOR ADDITIONAL PREPARATION DETAIL.
2. FOR BIOSWALE SOIL PREPARATION SEE SHEET XS-1

SEQUENCE OF WORK (PLANT BED)

- 1 SCARIFY SUBGRADE MIN. 12" DEPTH
- 2 PLACE 6" TOPSOIL PER SPECS
- 3 TILL TOPSOIL INTO TOP 4" OF SCARIFIED SUBGRADE
- 4 FINISH GRADE TOPSOIL PRIOR TO PLACING 2" ORGANIC MULCH

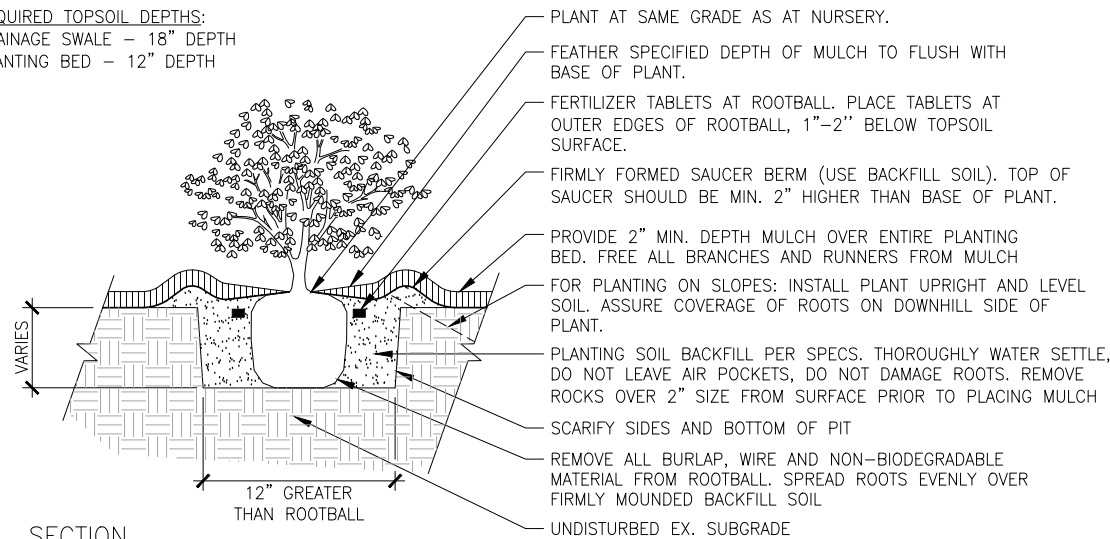
SEQUENCE OF WORK (LAWN SEED AREAS)

- 5 SCARIFY SUBGRADE 6" DEPTH
- 6 PLACE 2" DEPTH TOPSOIL, PER SPEC
- 7 FINISH GRADE TOPSOIL PRIOR TO SEEDING

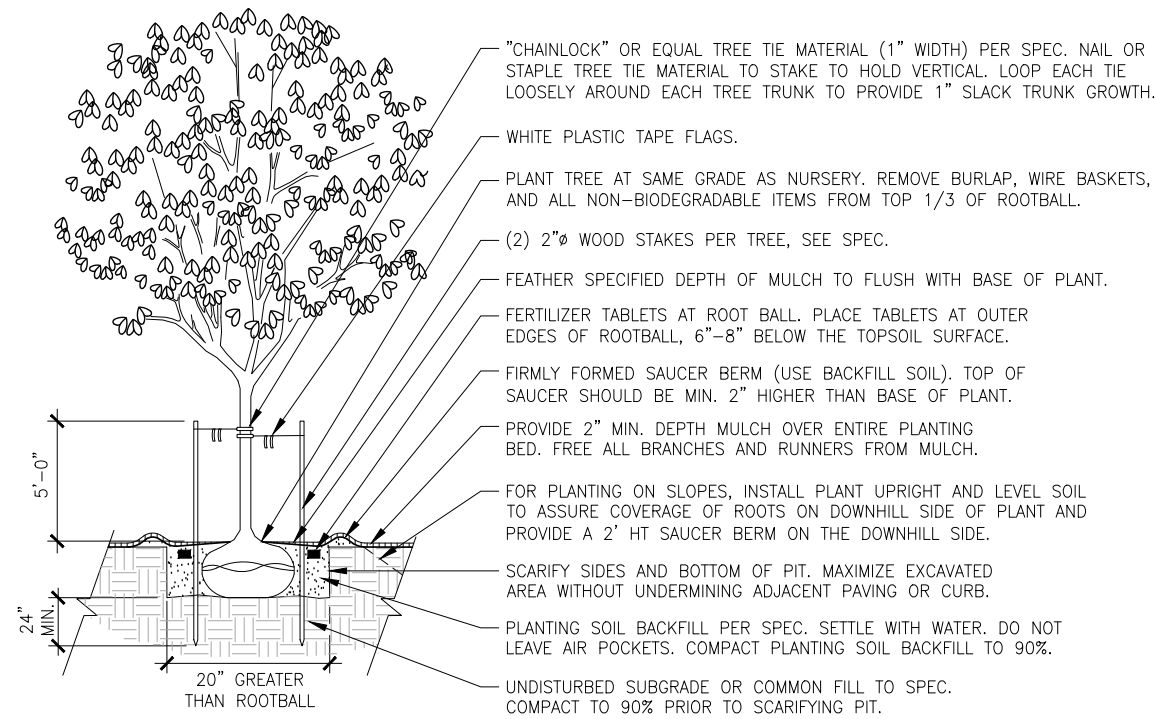


3 ROOT BARRIER
SCALE: 1/2"=1'-0"

REQUIRED TOPSOIL DEPTHS:
DRAINAGE SWALE - 18" DEPTH
PLANTING BED - 12" DEPTH



4 SHRUB & GROUNDCOVER PLANTING
SCALE: 1"=1'-0"



5 TREE PLANTING
SCALE: 1/4"=1'-0"

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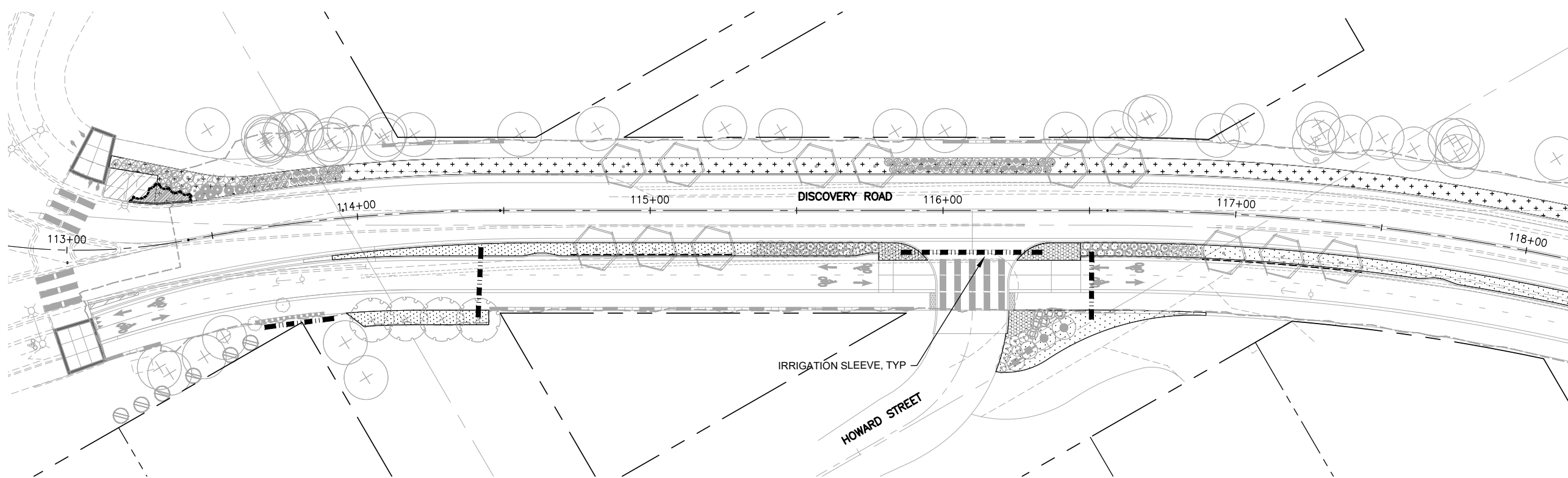
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DISCOVERY ROAD
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PORT TOWNSEND, WA

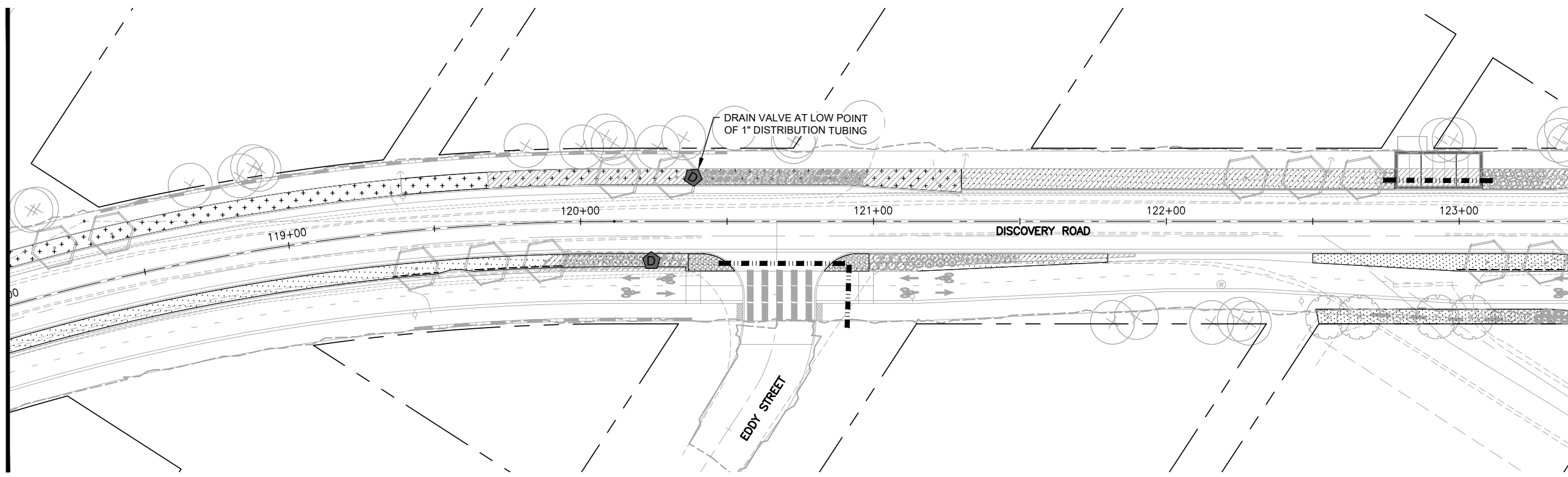
PLANTING DETAILS

DRAWING No.: L2.5
SHEET No.: 54 of 69



- IRRIGATION LEGEND**
- 6" CLASS 200 PVC SLEEVE
 - 4" SCH 40 PVC SLEEVE
- SEE SHEET L3.3 FOR MORE INFORMATION IRRIGATION EQUIPMENT LEGEND

- NOTES**
1. SEE SHEET L3.3 FOR IRRIGATION EQUIPMENT LEGEND, NOTES AND SCHEDULES.

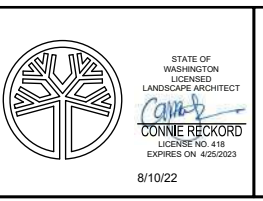


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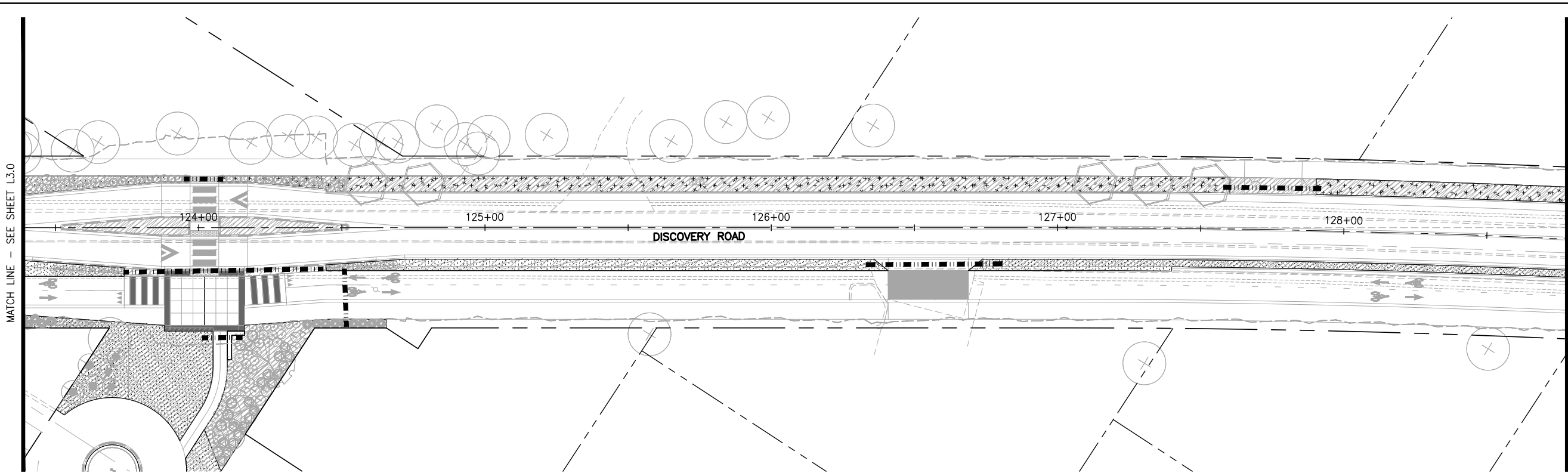


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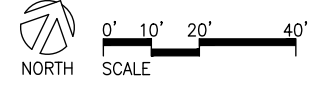
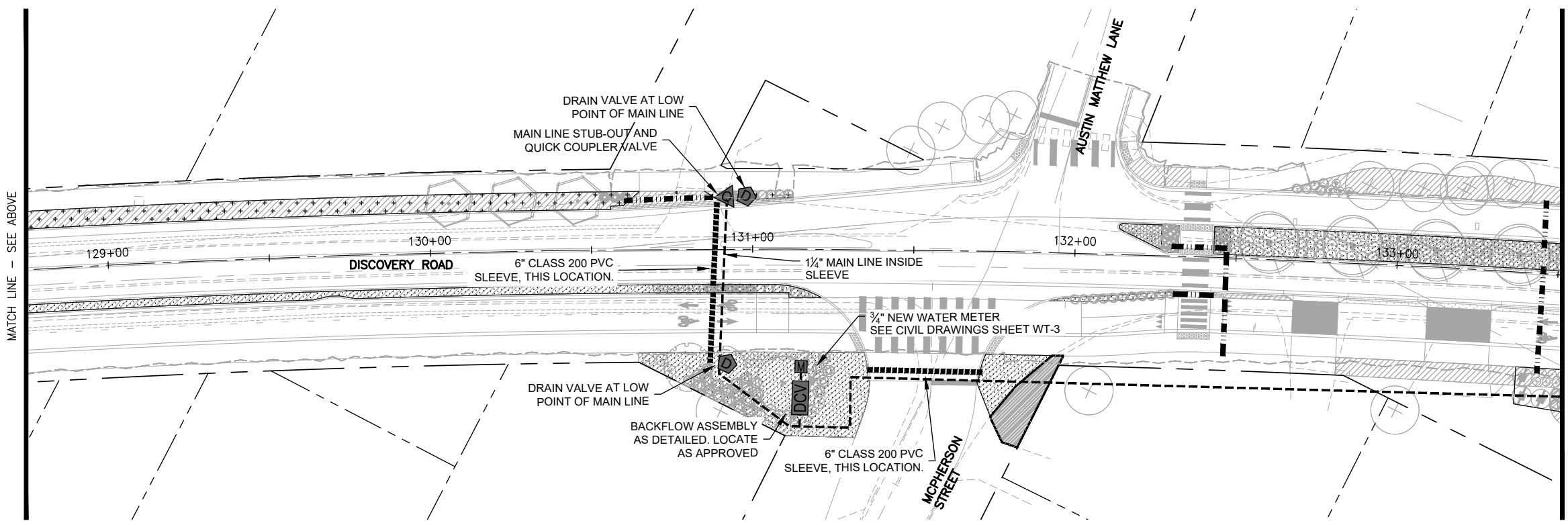
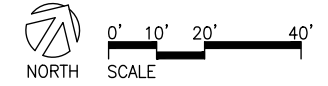
DISCOVERY ROAD BIKEWAY ROADWAY & SIDEWALK PROJECT PORT TOWNSEND, WA	DRAWING No.: L3.0
IRRIGATION PLAN	SHEET No.: 55 of 69

BID SET



- IRRIGATION LEGEND**
- 6" CLASS 200 PVC SLEEVE
 - 4" SCH 40 PVC SLEEVE
- SEE SHEET L3.3 FOR MORE INFORMATION IRRIGATION EQUIPMENT LEGEND

- NOTES**
1. SEE SHEET L3.3 FOR IRRIGATION EQUIPMENT LEGEND, NOTES AND SCHEDULES.



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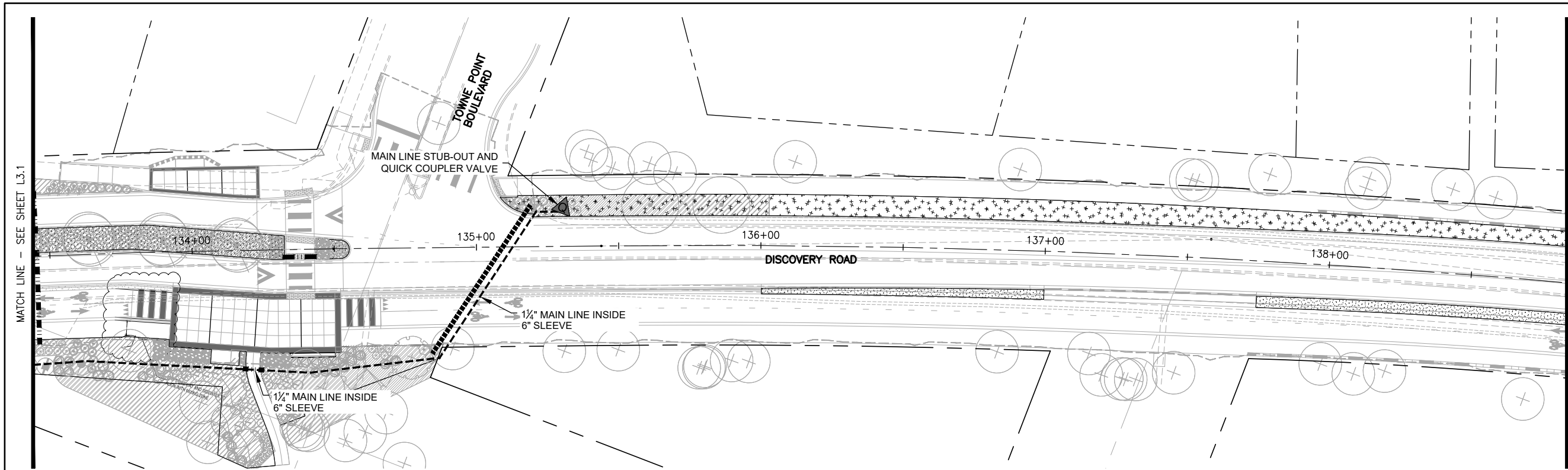
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DISCOVERY ROAD BIKEWAY ROADWAY & SIDEWALK PROJECT PORT TOWNSEND, WA	
IRRIGATION PLAN	

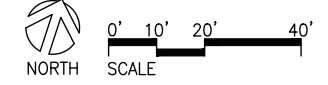
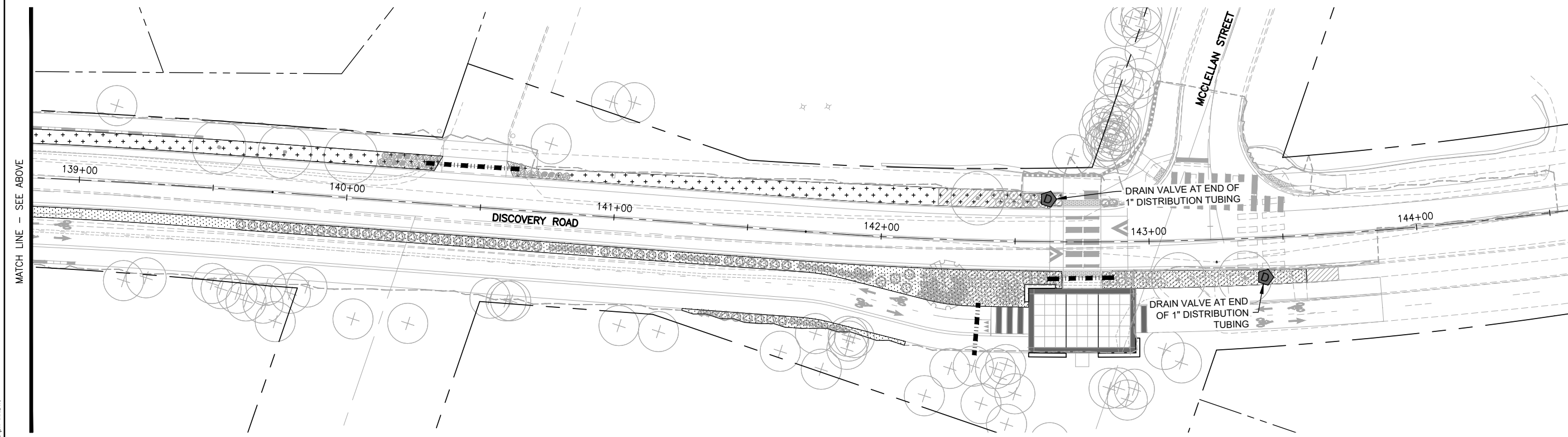
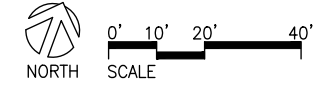
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SHEET No.:	56 of 69

BID SET



- IRRIGATION LEGEND**
- 6" CLASS 200 PVC SLEEVE
 - 4" SCH 40 PVC SLEEVE
- SEE SHEET L3.3 FOR MORE INFORMATION IRRIGATION EQUIPMENT LEGEND

- NOTES**
1. SEE SHEET L3.3 FOR IRRIGATION EQUIPMENT LEGEND, NOTES AND SCHEDULES.



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DISCOVERY ROAD BIKEWAY ROADWAY & SIDEWALK PROJECT PORT TOWNSEND, WA	
IRRIGATION PLAN	

DRAWING No.:	L3.2
SHEET No.:	57 of 69

BID SET

IRRIGATION DRIP EMITTER SCHEDULE

SCIENTIFIC / COMMON NAME	PLANT QTY.	NUMBER OF EMITTERS PER PLANT
LARGE TREE		
Liquidambar styraciflua 'Rotundiloba' / Rotundiloba Sweetgum	7	5
Malus tschonoskii / Chonosuki Crabapple	32	5
Prunus x yedoensis 'Akebono' / Flowering Cherry	2	5
Zelkova serrata 'Musashino' / Japanese Zelkova	8	5
SMALL TREE		
Acer glabrum / Douglas Maple	5	3
Amelanchier x grandiflora / Apple Serviceberry	11	3
Cornus kousa x nuttallii 'Venus' or 'Starlight' / Kousa Dogwood	3	4
LARGE SHRUB		
Arbutus unedo 'Elfin King' / Dwarf Strawberry Tree	6	2
Ceanothus 'Dark Star' / California Lilac	12	1
Lonicera involucrata / Twinberry	15	1
Myrica Californica / Pacific Wax Myrtle	6	1
Rhododendron macrophyllum / Rhododendron	13	2
MEDIUM SHRUB		
Cistus x hybridus / White Rockrose	22	1
Gaultheria shallon / Salal	115	1
Potentilla fruticosa / Bush Cinquefoil	68	1
Ribes sanguineum / Red Flowering Currant	10	1
Rosmarinus officinalis / Rosemary	20	1
Symphoricarpos albus / Snowberry	36	1
Vaccinium ovatum / Evergreen Huckleberry	26	1

COUNTS SHOWN FOR LARGE AND SMALL TREES ARE FOR WATERING STAKES










IRRIGATION DRIP EMITTER SCHEDULE CONTINUED

SCIENTIFIC / COMMON NAME	PLANT QTY.	NUMBER OF EMITTERS PER PLANT
SMALL SHRUB / GROUND COVER		
Abelia x grandiflora 'Kaleidoscope' / Abelia	56	1
Arctostaphylos uva ursi 'Massachusetts' / Kinnikinnick	15	1
Cornus sericea 'Kelsey' / Dwarf Red-Osier Dogwood	20	1
Erica x darleyensis 'Kramer's Rote' / Kramer's Red Winter Heath	166	1
Fothergilla gardenii / Dwarf Fothergilla	61	1
Fragaria chiloensis / Beach Strawberry	240	1
Lavandula angustifolia 'Hidcote' / Hidcote Lavender	52	1
Lonicera pileata / Privet Honeysuckle	165	1
Mahonia nervosa / Low Oregon Grape	12	1
Polystichum munitum / Swordfern	68	1

DRIP EMITTER NOTES

- USE DEEP WATERING STAKES FOR ALL LARGE AND SMALL TREES. ALL OTHER PLANTS TO HAVE EMITTERS PINNED TO THE BASE OF THE PLANT.

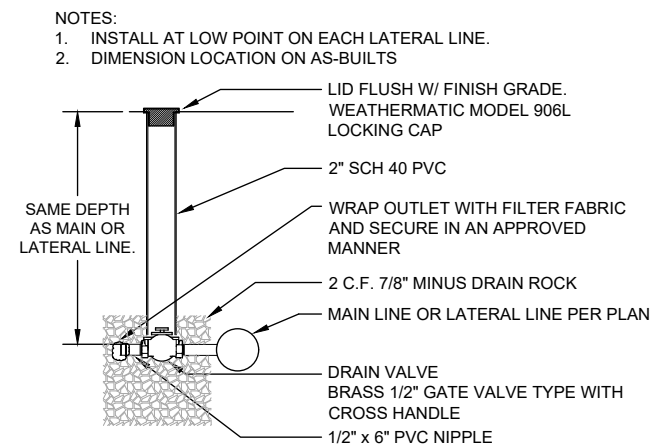
EQUIPMENT LEGEND

SYMBOL	DESCRIPTION
NOT SHOWN	UNDERHILL DEEPRIP 24" WATERING STAKES WITH 1/2 GPH PRESSURE COMPENSATING EMITTER
NOT SHOWN	RAIN BIRD XB-05PC 1/2 GPH PRESSURE COMPENSATING DRIP EMITTER WITH BUG CAP
	3/4" WATER METER. SEE CIVIL SHEET WT-3
	AUTOMATIC CONTROL VALVE, 1" RAIN BIRD 100-DVF PLASTIC VALVE WITH LATCHING SOLENOID AND FLOW CONTROL
	QUICK COUPLER VALVE - RAIN BIRD 33DLRC
	CONTROLLER - RAIN BIRD TBOS-BT4 BLUETOOTH ENABLED, QUANTITY AND STATIONS AS REQUIRED
	BACKFLOW ASSEMBLY AS DETAILED
	MANUAL DRAIN VALVE
	1-1/4 SCHEDULE 40 PVC MAINLINE
NOT SHOWN	1-1/4" SCHEDULE 40 PVC LATERAL PIPE
NOT SHOWN	AGRICULTURAL GRADE 1" DRIP DISTRIBUTION TUBING
NOT SHOWN	RAIN BIRD XQ SERIES 1/4" DRIP DISTRIBUTION TUBING
	SCHEDULE 40 PVC SLEEVE - 6" SIZE
	SCHEDULE 40 PVC SLEEVE - 4" SIZE UNLESS OTHERWISE INDICATED - SEE NOTE 4

NOT SHOWN 18-5 AWS TYPE UF CONTROL WIRE, WHITE = COMMON CONTROL VALVE MUST BE WITHIN A 70' WIRE RUN TO CONTROLLER

IRRIGATION NOTES

- SEE SHEET L3.4 FOR IRRIGATION DETAILS.
- STAKE ALL VALVE BOX, CONTROLLER, AND SLEEVE LOCATIONS FOR APPROVAL. PLAN IS DIAGRAMMATIC. NO VAULTS TO BE PLACED WITHIN TURF AREAS.
- SET VALVE BOXES SQUARE TO ADJACENT BUILDING, CURB, OR PAVING.
- ALL IRRIGATION UNDER BUILDINGS, ROADS, WALKS, PARKING AREAS OR OTHER PAVED SURFACES SHALL BE SLEEVED. SLEEVES SHALL BE 4" MINIMUM DIAMETER, UNLESS OTHERWISE INDICATED. SLEEVING MAY BE INCLUDED FOR FUTURE USE. ALL PIPE WITHIN SLEEVES SHALL BE SCHEDULE 40 PVC, DRIP TUBING NOT PERMITTED.
- ALL PIPE SHOWN UNDER PAVING ADJACENT AND PARALLEL TO PLANTED AREAS IS INTENDED TO BE PLACED IN THAT AREA WHERE POSSIBLE. ALL MATERIAL TO BE INSTALLED ON OWNERS PROPERTY.
- MAKE ANY AND ALL REQUIRED ADJUSTMENTS TO THE IRRIGATION PLAN TO ASSURE COMPLETE AND ADEQUATE COVERAGE WITH MINIMUM OVERSPRAY.
- DRIP LINES SHALL HAVE 4" OF COVER. MAIN LINES SHALL HAVE A MINIMUM 12" OF COVER AND 18" MAXIMUM COVER.
- REFER TO PLANTING PLAN FOR EXACT BED LAYOUT.
- TEST STATIC PRESSURE AT POINT OF CONNECTION & SUBMIT WRITTEN RESULTS TO LANDSCAPE ARCHITECT PRIOR TO BEGINNING WORK. STATIC PRESSURE IS ANTICIPATED TO BE 90 PSI, PER PORT TOWNSEND PUBLIC WORKS.
- NO PIPING IS PERMITTED UNLESS WATER SUPPLY IS ACTIVE AND AVAILABLE.
- INSTALL A MANUAL DRAIN VALVE IN A 10" ROUND VAULT AT THE LOW END OF THE MAIN LINE. PROVIDE MINIMUM 2' CF WASHED DRAIN ROCK SUMP BELOW VALVE.
- SEE SPECIAL PROVISIONS FOR FURTHER INFORMATION.



1 MANUAL DRAIN VALVE
NO SCALE

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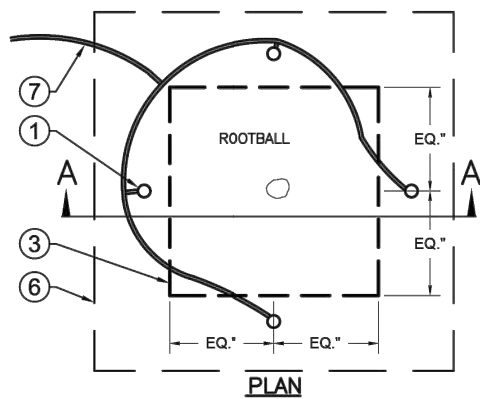
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IRRIGATION LEGEND AND DETAILS		SHEET No.: 58 OF 69

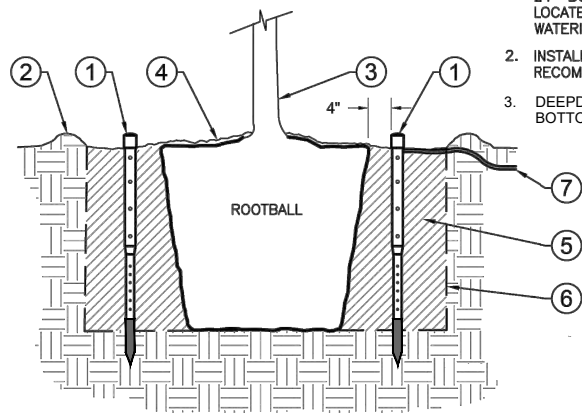


LEGEND:

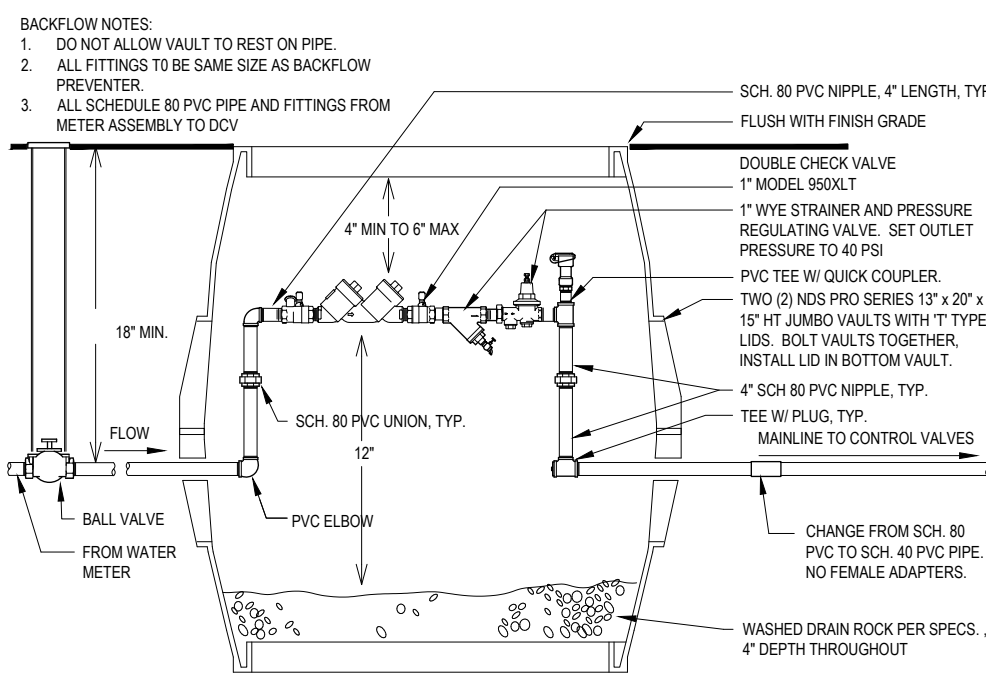
- ① DEEPRIP TREE WATERING STAKE (TWS) WITH REMOVABLE CAP. 4 UNITS SHOWN.
- ② TREE WATERING BASIN.
- ③ TREE - NEW 24" BOX SIZE SHOWN.
- ④ MULCH LAYER.
- ⑤ PLANTING BACKFILL MIX.
- ⑥ TREE PLANTING PIT - TWICE X TREE BOX SIZE - TYP.
- ⑦ DRIP TUBING SUPPLY LINE - ROUTING TO EMITTER INSTALLED WITHIN TREE WATERING STAKE (OPTIONAL) - TYP. REFER TO IRRIGATION LEGEND FOR DRIP EMITTER SPECIFICATION.

NOTES:

- 1. FOUR (4) TWS UNITS RECOMMENDED FOR 24" BOX SIZE TREE AS SHOWN - LOCATED EQUALLY ON ALL SIDES WITHIN WATERING BASIN.
- 2. INSTALL TWS UNITS PER MANUFACTURER RECOMMENDATIONS.
- 3. DEEPRIP STAKE TO EXTEND BELOW BOTTOM OF ROOTBALL.



① DEEPRIP WATERING STAKES
NO SCALE



② BACKFLOW ASSEMBLY
NO SCALE

BACKFLOW NOTES:

- 1. DO NOT ALLOW VAULT TO REST ON PIPE.
- 2. ALL FITTINGS TO BE SAME SIZE AS BACKFLOW PREVENTER.
- 3. ALL SCHEDULE 80 PVC PIPE AND FITTINGS FROM METER ASSEMBLY TO DCV

NOTES

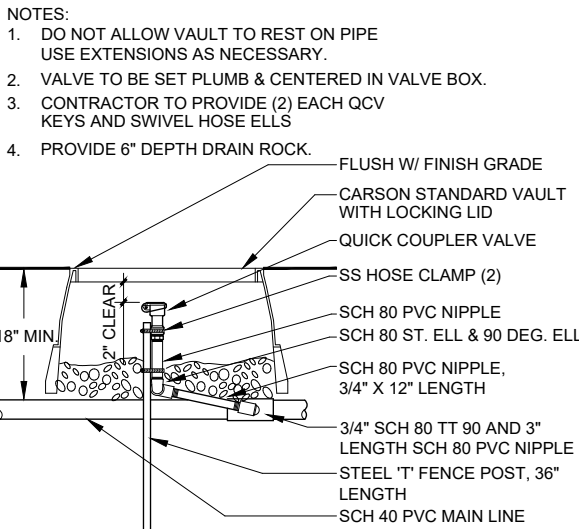
- 1. SEE SHEET L3.3 FOR IRRIGATION EQUIPMENT LEGEND, NOTES AND SCHEDULES.

BIDDER DESIGN/BUILD PARAMETERS

- 1. GENERAL: CONTRACTOR IS RESPONSIBLE FOR DESIGNING THE IRRIGATION SYSTEM IN ACCORDANCE WITH THE DESIGN PARAMETERS, ZONED AND PER OTHER PROVISIONS ON THE PLANS AND DETAILS, AND TO THE HIGHEST STANDARDS OF DURABILITY, DISTRIBUTION UNIFORMITY, EFFICIENCY OF DESIGN, AND EASE OF MAINTENANCE. IT IS RECOMMENDED THAT THE SYSTEM BE DESIGNED BY A LICENSED LANDSCAPE ARCHITECT, OR A DESIGNER CERTIFIED BY THE AMERICAN SOCIETY OF IRRIGATION CONSULTANTS (A.S.I.C.) OR THE IRRIGATION ASSOCIATION (I.A.).
- 2. SHOP DRAWINGS: ELECTRONIC SHOP DRAWINGS IN AUTOCAD FORMAT ARE PREFERRED (PAPER OR PDF PLANS INCREASE RESPONSE TIME TO TWO WEEKS).
- 3. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL, AT 1" = 20' SCALE OR LARGER, SHOWING:
 - A. VALVE LOCATION, TYPE, FLOW, AND SIZE.
 - B. DRIP EMITTER LOCATION, TYPE, AND SIZE.
 - C. PIPE LOCATION AND SIZE.
 - D. DRIP LINE AND FLUSH VALVE LOCATIONS.
 - E. WIRE LOCATION.
 - F. CONTROLLER INSTALLATION AND ENCLOSURES DETAIL.
 - G. SLEEVING PLAN, SHOWING SIZE, LOCATION AND QUANTITY.
 - H. ALL NECESSARY IRRIGATION DETAILS.

OTHER REQUIREMENTS:

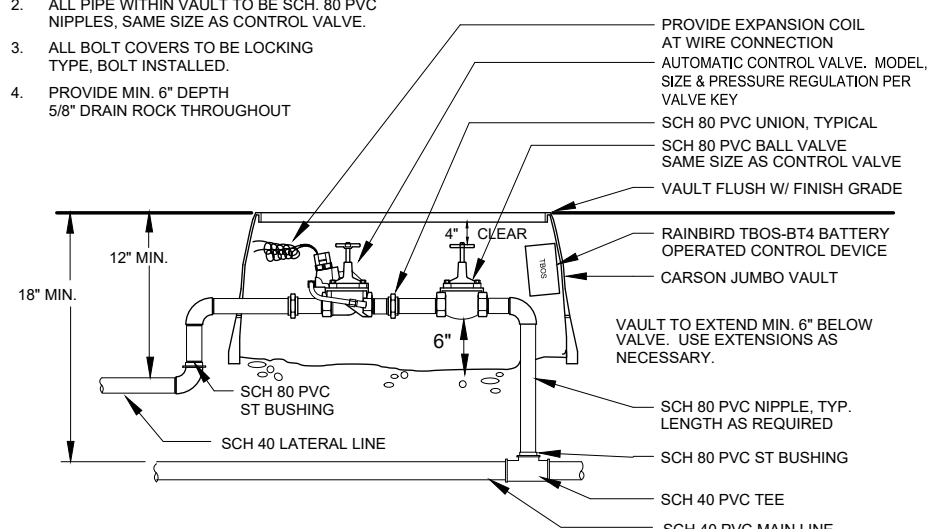
- 4. DRAWING SHALL CONTAIN THE FOLLOWING NOTES:
- 5. "NO VALVES, HEADS, OR LATERAL LINES SHALL BE INSTALLED UNTIL THE IRRIGATION METER AND BACKFLOW ASSEMBLY ARE INSTALLED AND FUNCTIONING.
- 6. "CALL BEFORE YOU DIG 1-800-424-5555"
- 7. SUBMIT CUT SHEETS FOR APPROVAL OF ALL PROPOSED MATERIALS. ALL MATERIALS SHALL BE PROFESSIONAL GRADE.
- 8. DESIGN PARAMETERS: THE FOLLOWING SHALL BE INCORPORATED INTO THE DESIGN:
 - A. PIPE FLOW RATES NOT TO EXCEED 5 F.P.S.
 - B. DELIVER 1" POLY DRIP DISTRIBUTION TUBING IN THE LONGEST ROLLS AVAILABLE.
 - C. VALVES SIZED PER MANUFACTURERS RECOMMENDATIONS TO ENSURE OPERATION OF PRESSURE REGULATING FEATURE. FRICTION LOSS THROUGH VALVE NOT TO EXCEED 10% OF THE AVAILABLE STATIC WATER PRESSURE, OR 9 P.S.I., WHICHEVER IS SMALLER.
 - D. USE DRILINE WITH 1/2 GPH PRESSURE COMPENSATING EMITTERS IN ALL TREE AND SHRUB AREAS AS. NO IRRIGATION REQUIRED FOR TURF AREAS.
 - E. LOCATE EMITTERS ON UPHILL SIDE OF PLANT OR TREE.
 - F. INSTALL ALL MATERIALS AND EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMENDATIONS, LOCAL AND STATE CODES, LAWS, ORDINANCES, AND REGULATIONS.



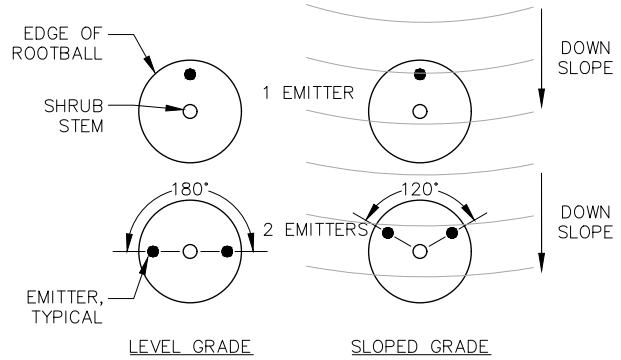
③ QUICK COUPLER VALVE
NO SCALE

NOTES:

- 1. DO NOT ALLOW VAULT TO REST ON PIPE.
- 2. ALL PIPE WITHIN VAULT TO BE SCH. 80 PVC NIPPLES, SAME SIZE AS CONTROL VALVE.
- 3. ALL BOLT COVERS TO BE LOCKING TYPE, BOLT INSTALLED.
- 4. PROVIDE MIN. 6" DEPTH 5/8" DRAIN ROCK THROUGHOUT



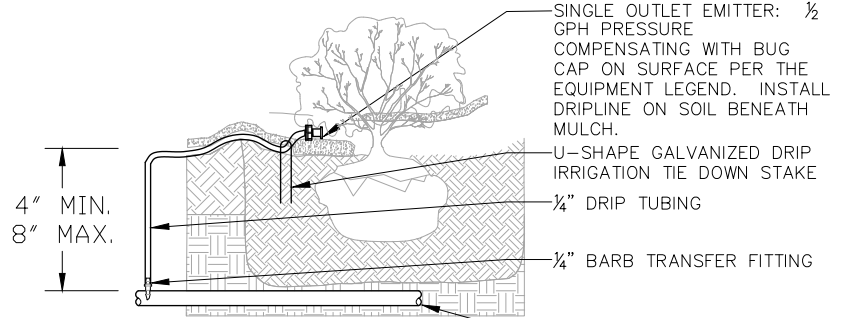
④ AUTOMATIC CONTROL VALVE & TBOS-BT4 CONTROLLER
NO SCALE



NOTES:

- 1. QUANTITY OF EMITTERS PER IRRIGATION EMITTER SCHEDULE.
- 2. LOCATE EMITTERS ON UPHILL SIDE OF PLANT OR TREE.

⑤ DRIP EMITTER PLACEMENT
NO SCALE



NOTES:

- 1. J-SHAPED TIE DOWN STAKES NOT PERMITTED.
- 2. QUANTITY OF EMITTERS PER IRRIGATION EMITTER SCHEDULE.
- 3. LOCATE EMITTERS ON UPHILL SIDE OF PLANT OR TREE.

⑥ DRIP EMITTER ON MULCH
NO SCALE

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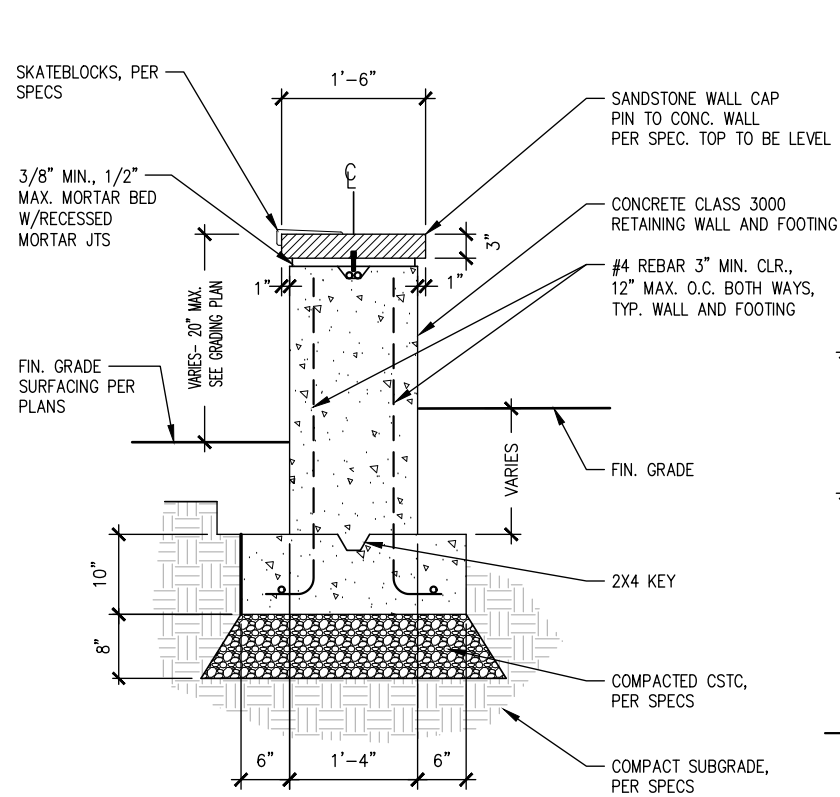
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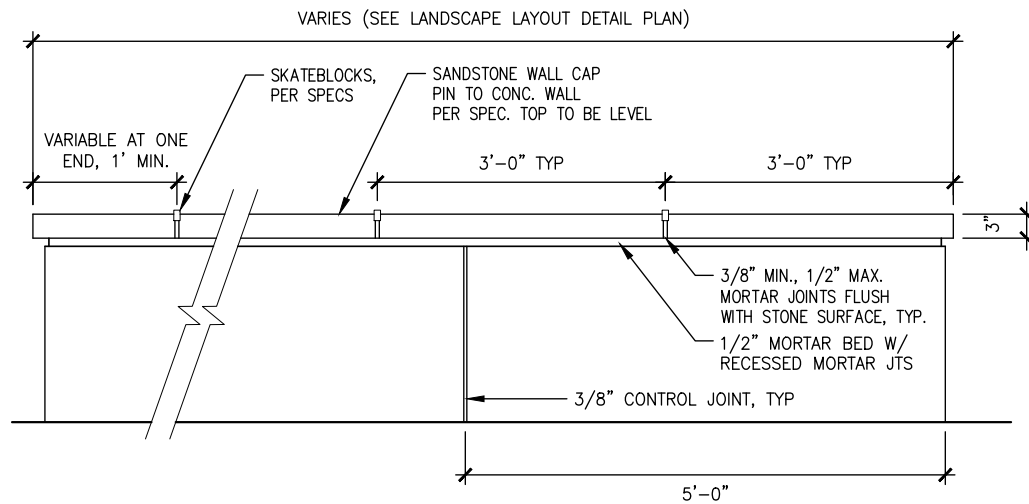
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BIKEWAY ROADWAY & SIDEWALK PROJECT
PORT TOWNSEND, WA

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SHEET No.:	59 of 69

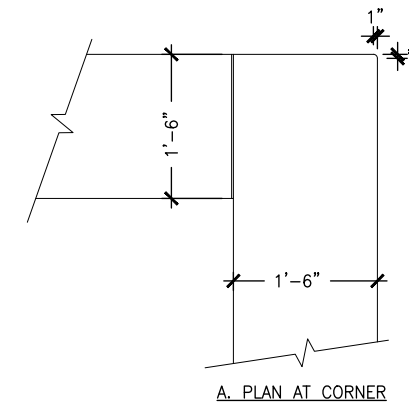
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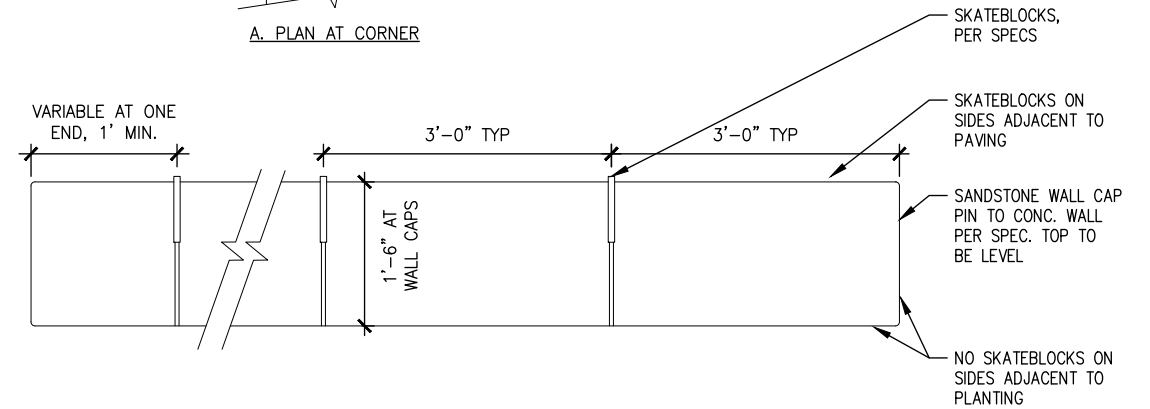
SECTION



ELEVATION



A. PLAN AT CORNER



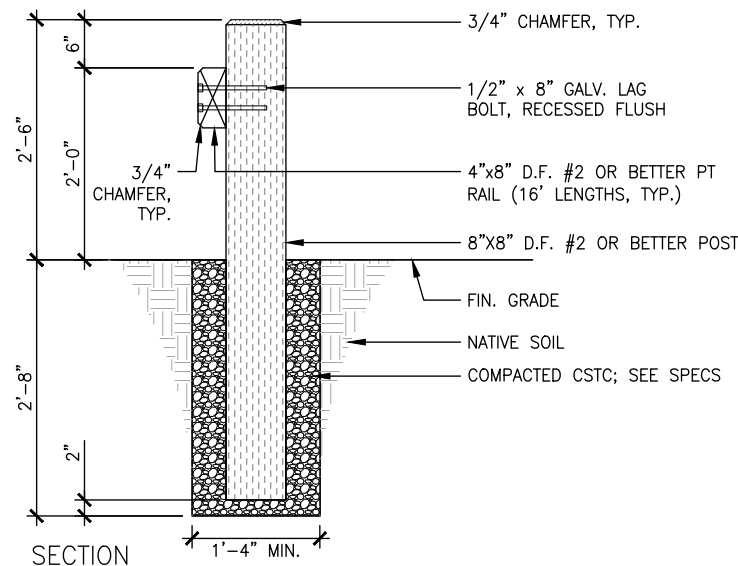
TYPICAL PLAN AT SANDSTONE WALL CAPS

NOTES:

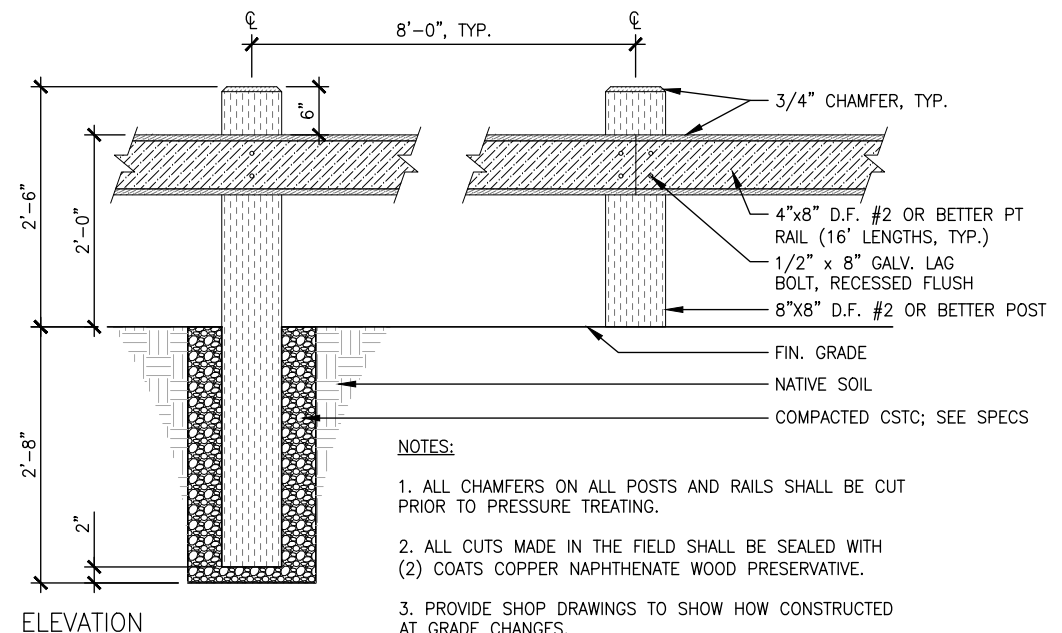
1. SUBMIT SHOP DRAWINGS FOR APPROVAL.
2. PROVIDE SKATEBLOCKS FULL LENGTH OF WALLS ALONG ALL FACES THAT ABUT PAVEMENT, AT SPACING SHOWN.

1 CONCRETE CLASS 3000 RETAINING WALL WITH SANDSTONE WALL CAP
SCALE: 1"=1'-0"

INTENTIONALLY LEFT BLANK



SECTION



ELEVATION

NOTES:

1. ALL CHAMFERS ON ALL POSTS AND RAILS SHALL BE CUT PRIOR TO PRESSURE TREATING.
2. ALL CUTS MADE IN THE FIELD SHALL BE SEALED WITH (2) COATS COPPER NAPHTHENATE WOOD PRESERVATIVE.
3. PROVIDE SHOP DRAWINGS TO SHOW HOW CONSTRUCTED AT GRADE CHANGES.

3 TIMBER GUARDRAIL
SCALE: 1"=1'-0"

2

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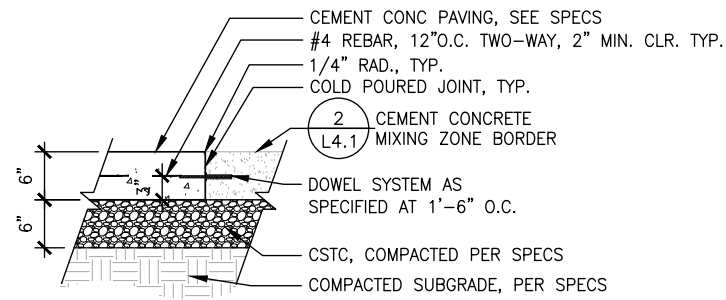
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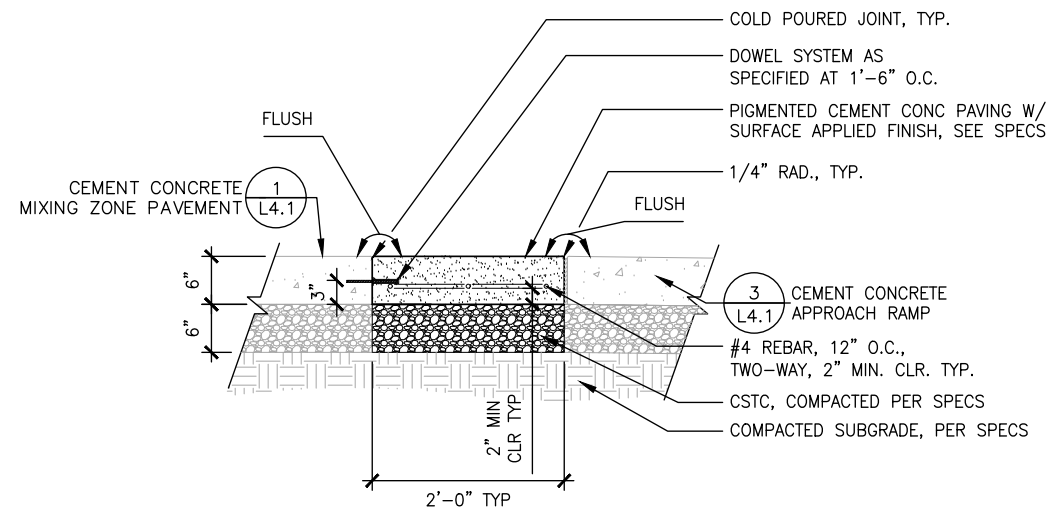
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DRAWING No.: L4.0
SHEET No.: 60 of 69



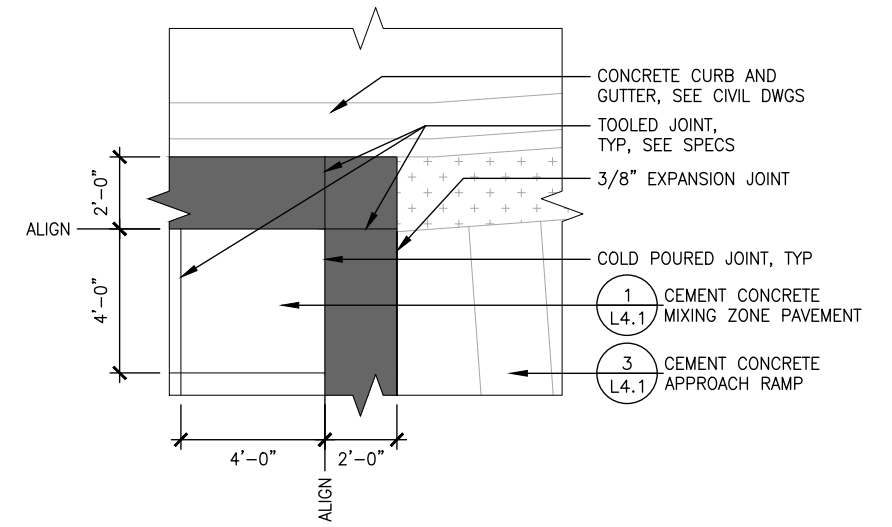
SECTION

1 CEMENT CONCRETE MIXING ZONE PAVEMENT
SCALE: 1"=1'-0"

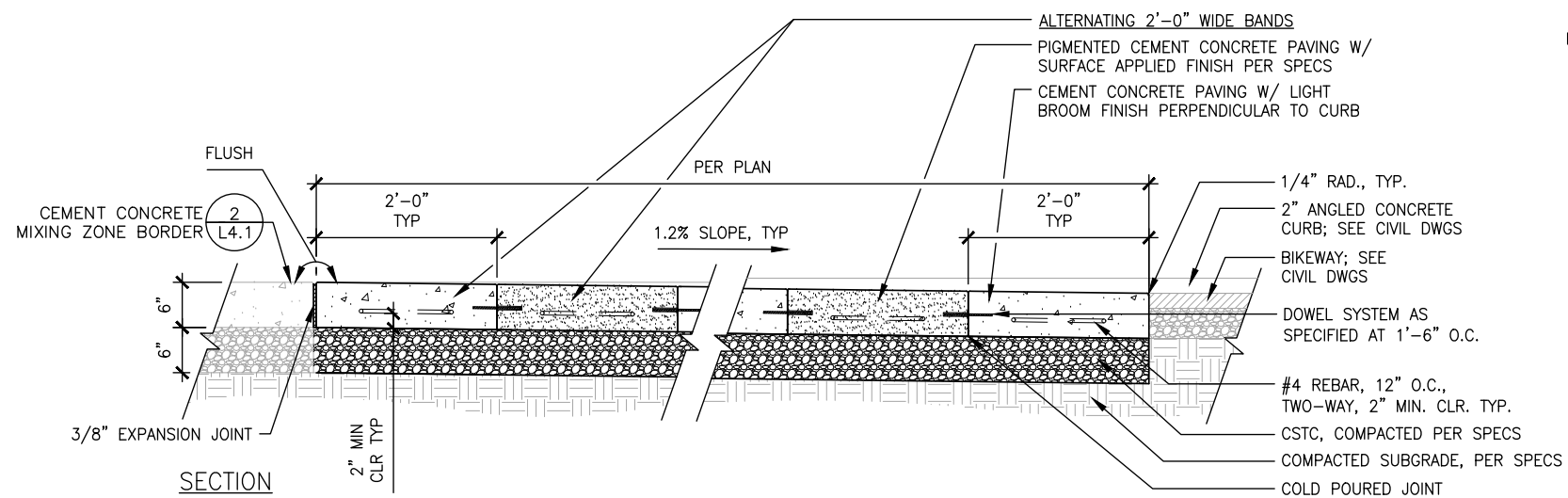


SECTION

2 CEMENT CONCRETE MIXING ZONE BORDER
SCALE: 1"=1'-0"

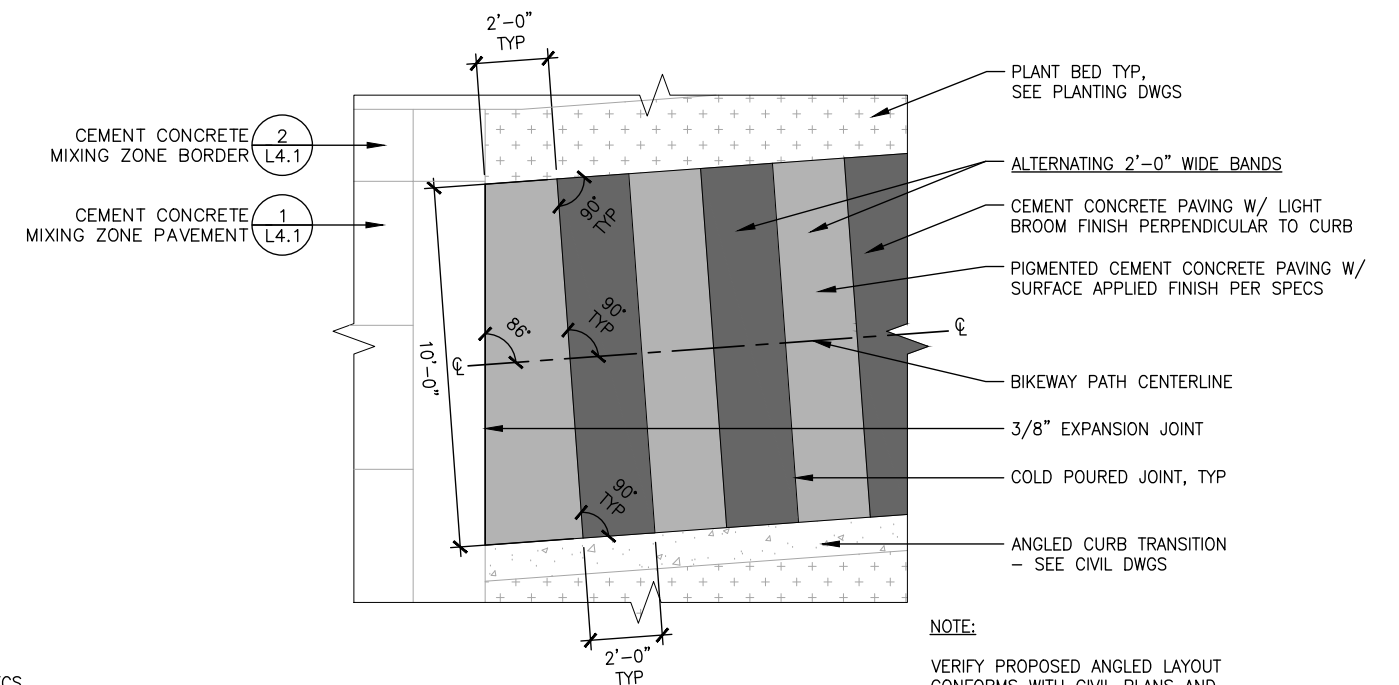


PLAN - ANGLED BIKEWAY APPROACH RAMP



SECTION

3 CEMENT CONCRETE APPROACH RAMP
SCALE: 1"=1'-0"



PLAN - ANGLED BIKEWAY APPROACH RAMP

NOTE:
VERIFY PROPOSED ANGLED LAYOUT
CONFORMS WITH CIVIL PLANS AND
BUILT CONDITIONS.

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STATE OF
WASHINGTON
LICENSED
LANDSCAPE ARCHITECT
CONNIE RECKORD
LICENSE No. 418
EXPIRES ON 4/25/2023
8/10/22

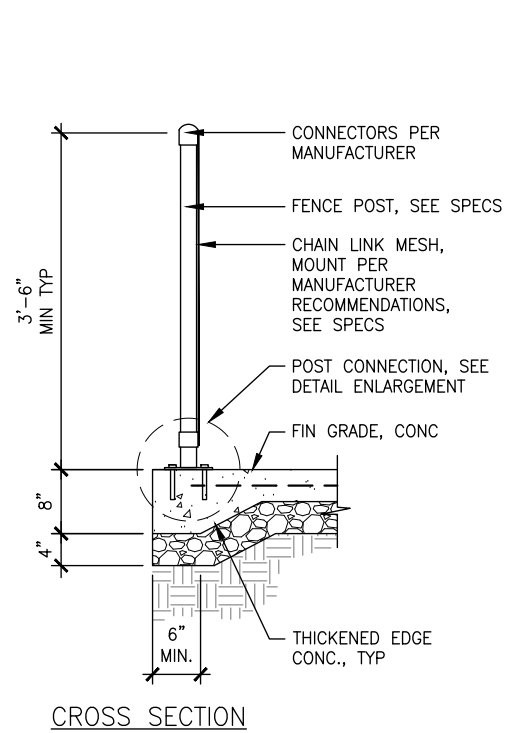
MacLeod Reckord PLLC
110 Prefontaine Place South, Suite 600
Seattle, Washington 98104
P 206-323-7919
F 206-323-9242



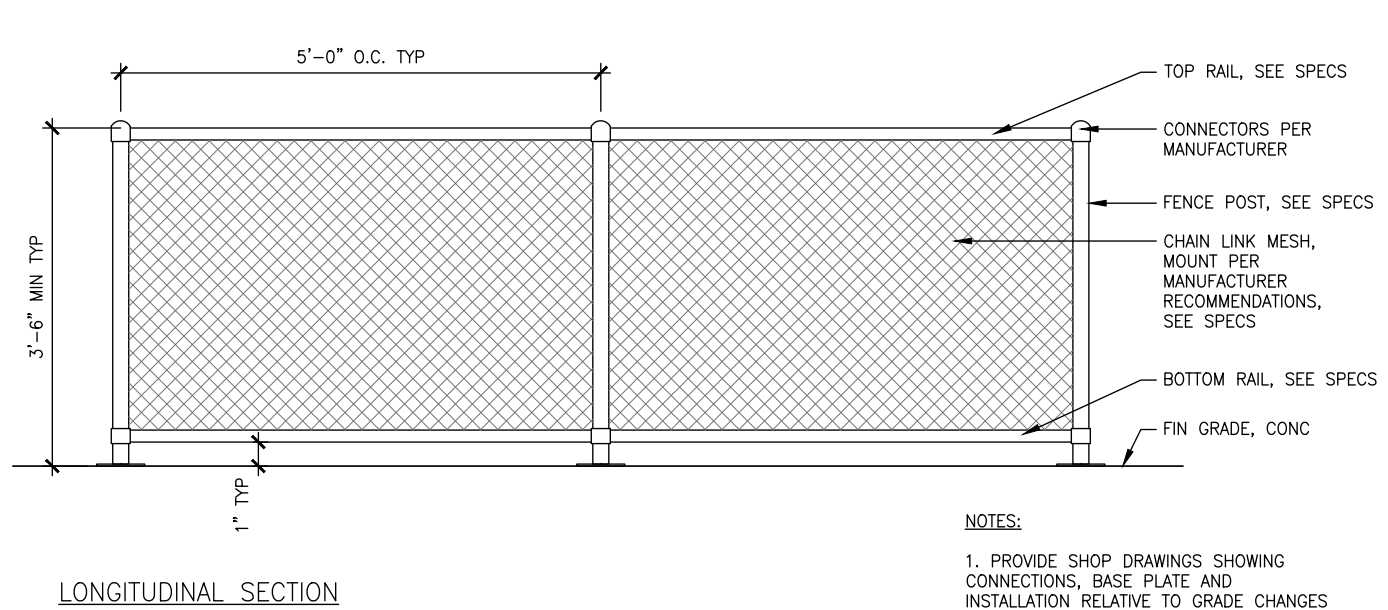
DISCOVERY ROAD
BIKEWAY ROADWAY & SIDEWALK PROJECT
PORT TOWNSEND, WA

LANDSCAPE DETAILS

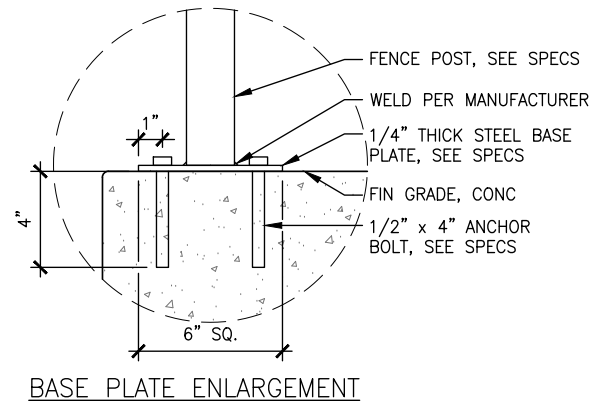
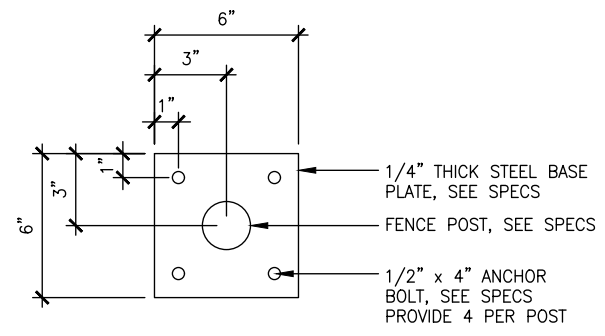
DRAWING No.:
L4.1
SHEET No.:
61 of 69



CROSS SECTION

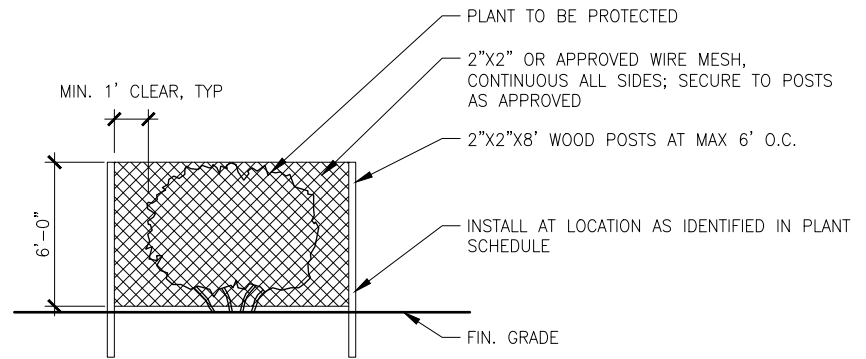


LONGITUDINAL SECTION



NOTES:
1. PROVIDE SHOP DRAWINGS SHOWING CONNECTIONS, BASE PLATE AND INSTALLATION RELATIVE TO GRADE CHANGES

1 SURFACE MOUNTED CHAIN LINK FENCE
SCALE: 1"=1'-0"



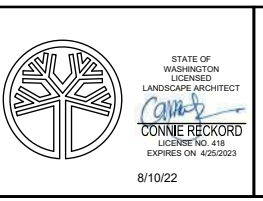
2 DEER PROTECTION FENCE
SCALE: 1/4"=1'-0"

Jun 22, 2022 4:46:51pm - User: davis Z:\PROJECTS\PORT TOWNSEND DISCOVERY ROAD\CAD\WORKING DR-BUILDING

REVISIONS	DATE	BY

DESIGNED BY: D.S. / J.D.	ISSUE DATE: 6/24/2022
DRAWN BY: D.S. / J.D.	JOB No.: 0699.14
CHECKED BY: C.R. / D.S.	DRAWING FILE No.:

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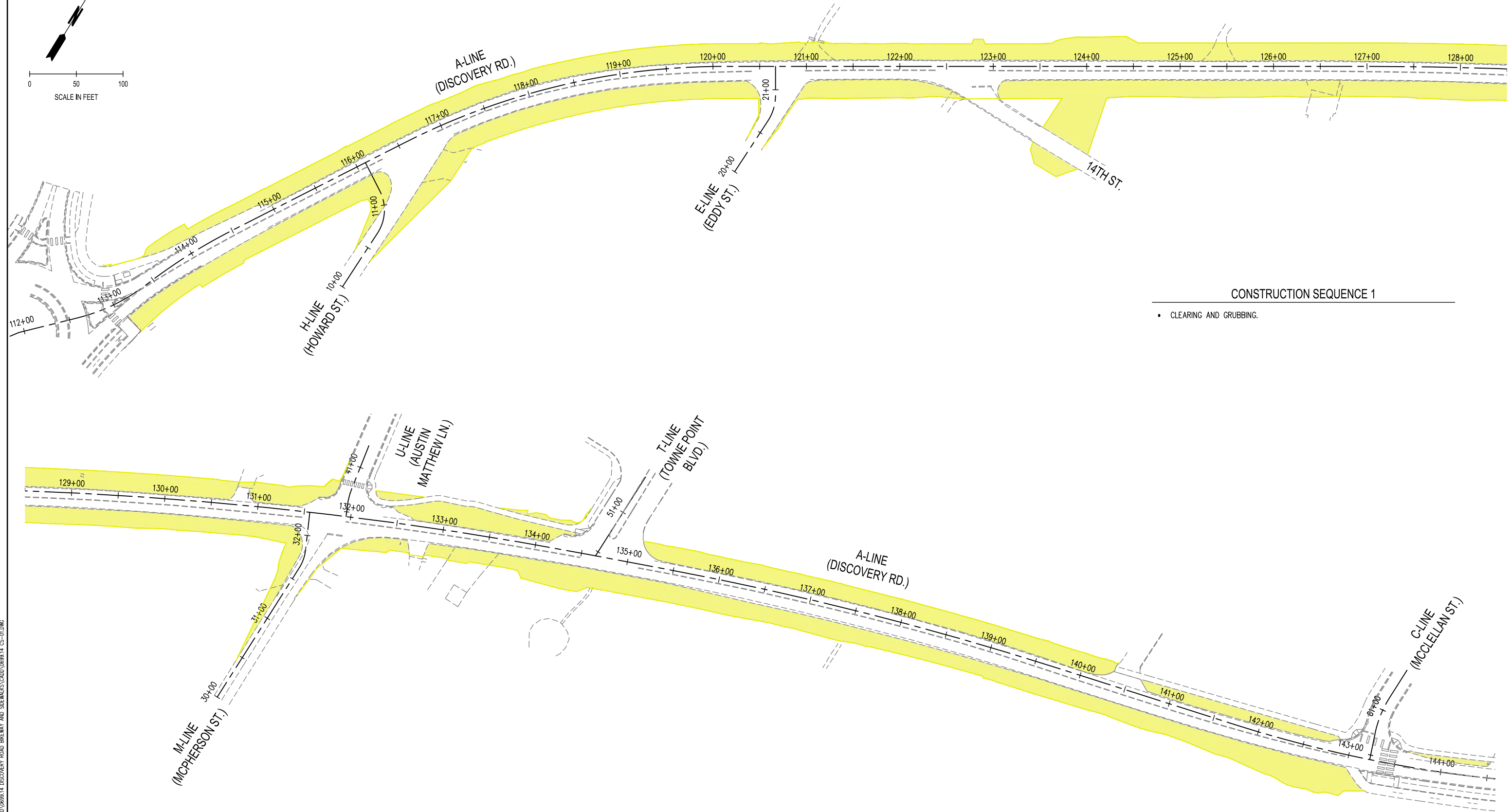
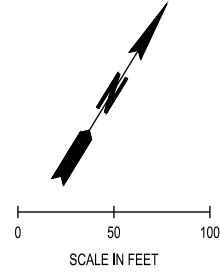
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Seattle, Washington 98104
P 206-323-7919
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DISCOVERY ROAD BIKEWAY ROADWAY & SIDEWALK PROJECT PORT TOWNSEND, WA	DRAWING No.: L4.2
LANDSCAPE DETAILS	SHEET No.: 62 of 69

BID SET

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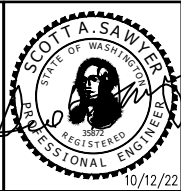
04.12.2022 1:24:58pm - User: mitch_weyrauch
 V:\PROJECTS\0699.14 CS-01.DWG

REVISIONS	DATE	BY

BID SET

DESIGNED BY: M WEYRAUCH	ISSUE DATE: 10/22/2022
DRAWN BY: M WEYRAUCH	JOB No.: 0699.14
CHECKED BY: S SAWYER	DRAWING FILE No.: 0699.14 CS-01

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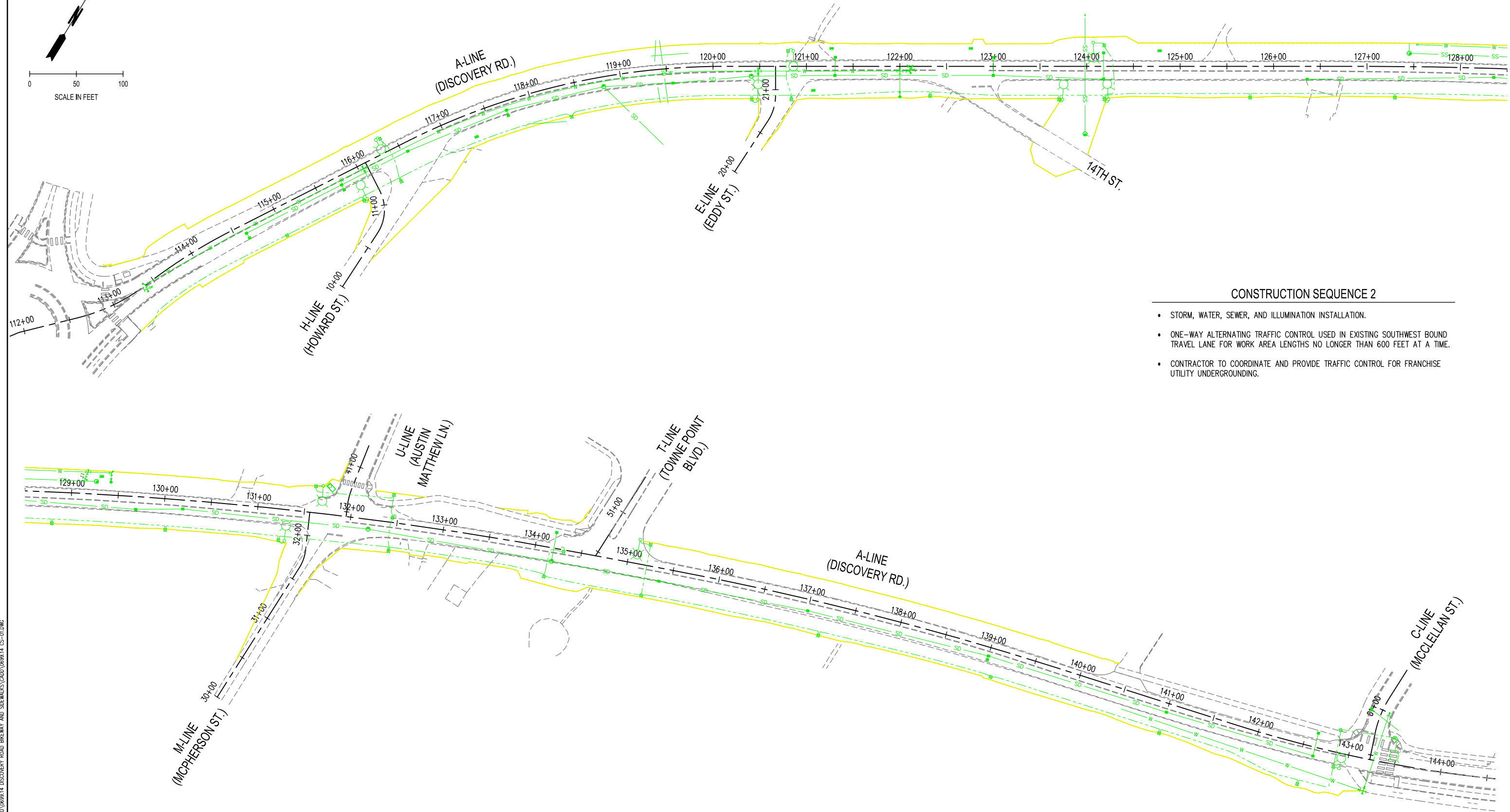
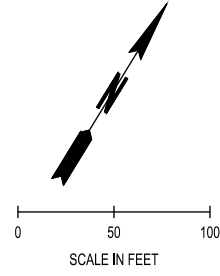
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DISCOVERY ROAD BIKEWAY ROADWAY & SIDEWALK PROJECT PORT TOWNSEND, WA
CONSTRUCTION SEQUENCING PLAN

DRAWING No.: CS-1
SHEET No.: 63 OF 71

SEC. 9 & 10, T. 30 N., R. 1 W., W.M.



CONSTRUCTION SEQUENCE 2

- STORM, WATER, SEWER, AND ILLUMINATION INSTALLATION.
- ONE-WAY ALTERNATING TRAFFIC CONTROL USED IN EXISTING SOUTHWEST BOUND TRAVEL LANE FOR WORK AREA LENGTHS NO LONGER THAN 600 FEET AT A TIME.
- CONTRACTOR TO COORDINATE AND PROVIDE TRAFFIC CONTROL FOR FRANCHISE UTILITY UNDERGROUNDING.

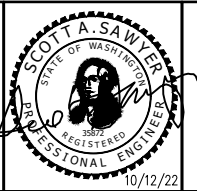
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REVISIONS	DATE	BY

BID SET

DESIGNED BY: M WEYRAUCH	ISSUE DATE: 10/22/2022
DRAWN BY: M WEYRAUCH	JOB No.: 0699.14
CHECKED BY: S SAWYER	DRAWING FILE No.: 0699.14 CS-01

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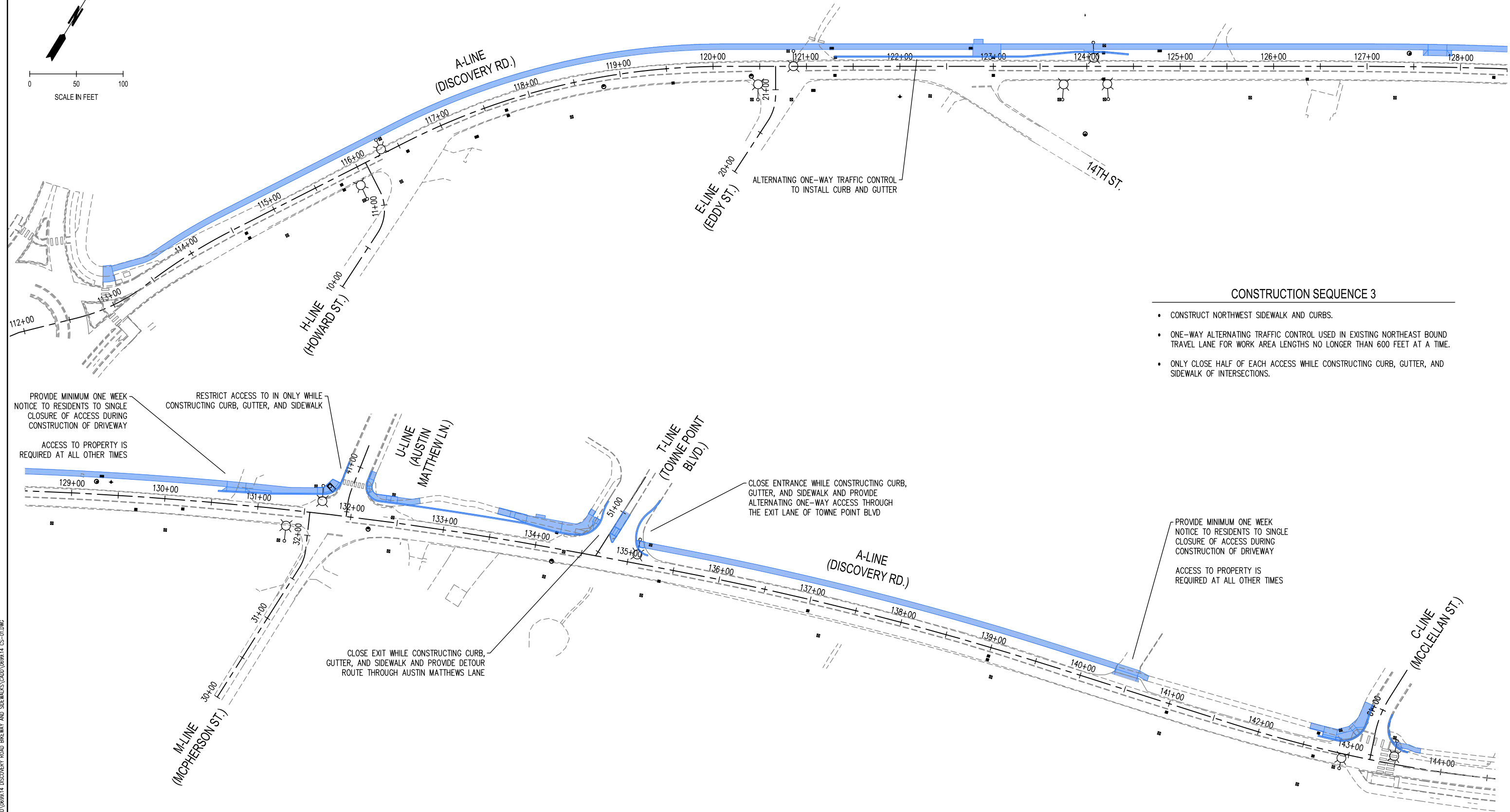
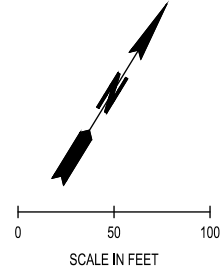


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DISCOVERY ROAD BIKEWAY ROADWAY & SIDEWALK PROJECT PORT TOWNSEND, WA	DRAWING No.: CS-2
CONSTRUCTION SEQUENCING PLAN	SHEET No.: 64 OF 71

SEC. 9 & 10, T. 30 N., R. 1 W., W.M.



CONSTRUCTION SEQUENCE 3

- CONSTRUCT NORTHWEST SIDEWALK AND CURBS.
- ONE-WAY ALTERNATING TRAFFIC CONTROL USED IN EXISTING NORTHEAST BOUND TRAVEL LANE FOR WORK AREA LENGTHS NO LONGER THAN 600 FEET AT A TIME.
- ONLY CLOSE HALF OF EACH ACCESS WHILE CONSTRUCTING CURB, GUTTER, AND SIDEWALK OF INTERSECTIONS.

PROVIDE MINIMUM ONE WEEK NOTICE TO RESIDENTS TO SINGLE CLOSURE OF ACCESS DURING CONSTRUCTION OF DRIVEWAY
ACCESS TO PROPERTY IS REQUIRED AT ALL OTHER TIMES

RESTRICT ACCESS TO IN ONLY WHILE CONSTRUCTING CURB, GUTTER, AND SIDEWALK

CLOSE ENTRANCE WHILE CONSTRUCTING CURB, GUTTER, AND SIDEWALK AND PROVIDE ALTERNATING ONE-WAY ACCESS THROUGH THE EXIT LANE OF TOWNE POINT BLVD

PROVIDE MINIMUM ONE WEEK NOTICE TO RESIDENTS TO SINGLE CLOSURE OF ACCESS DURING CONSTRUCTION OF DRIVEWAY
ACCESS TO PROPERTY IS REQUIRED AT ALL OTHER TIMES

CLOSE EXIT WHILE CONSTRUCTING CURB, GUTTER, AND SIDEWALK AND PROVIDE DETOUR ROUTE THROUGH AUSTIN MATTHEWS LANE

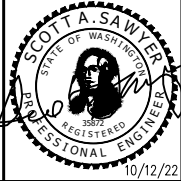
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V:\PROJECTS\0699.14 DISCOVERY ROAD BIKEWAY AND SIDEWALKS\CADD\0699.14 CS-01.DWG

REVISIONS	DATE	BY

BID SET

DESIGNED BY: M WEYRAUCH	ISSUE DATE: 10/22/2022
DRAWN BY: M WEYRAUCH	JOB No.: 0699.14
CHECKED BY: S SAWYER	DRAWING FILE No.: 0699.14 CS-01

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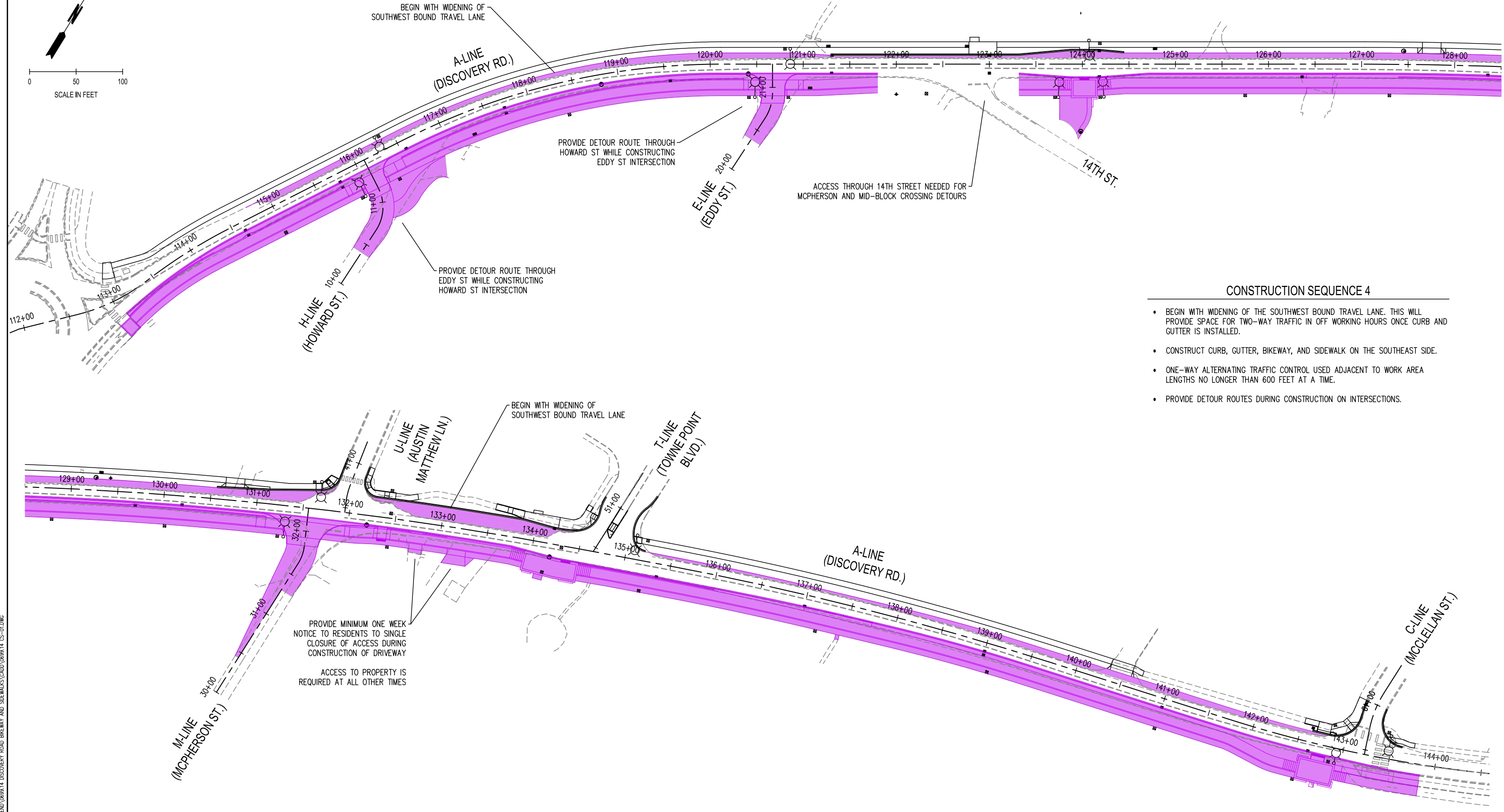
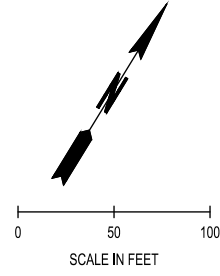
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DISCOVERY ROAD BIKEWAY ROADWAY & SIDEWALK PROJECT PORT TOWNSEND, WA
CONSTRUCTION SEQUENCING PLAN

DRAWING No.: CS-3
SHEET No.: 65 OF 71

SEC. 9 & 10, T. 30 N., R. 1 W., W.M.



CONSTRUCTION SEQUENCE 4

- BEGIN WITH WIDENING OF THE SOUTHWEST BOUND TRAVEL LANE. THIS WILL PROVIDE SPACE FOR TWO-WAY TRAFFIC IN OFF WORKING HOURS ONCE CURB AND GUTTER IS INSTALLED.
- CONSTRUCT CURB, GUTTER, BIKEWAY, AND SIDEWALK ON THE SOUTHEAST SIDE.
- ONE-WAY ALTERNATING TRAFFIC CONTROL USED ADJACENT TO WORK AREA LENGTHS NO LONGER THAN 600 FEET AT A TIME.
- PROVIDE DETOUR ROUTES DURING CONSTRUCTION ON INTERSECTIONS.

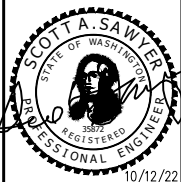
PROVIDE MINIMUM ONE WEEK NOTICE TO RESIDENTS TO SINGLE CLOSURE OF ACCESS DURING CONSTRUCTION OF DRIVEWAY
ACCESS TO PROPERTY IS REQUIRED AT ALL OTHER TIMES

BID SET

REVISIONS	DATE	BY

DESIGNED BY: M WEYRAUCH	ISSUE DATE: 10/22/2022
DRAWN BY: M WEYRAUCH	JOB No.: 0699.14
CHECKED BY: S SAWYER	DRAWING FILE No.: 0699.14 CS-01

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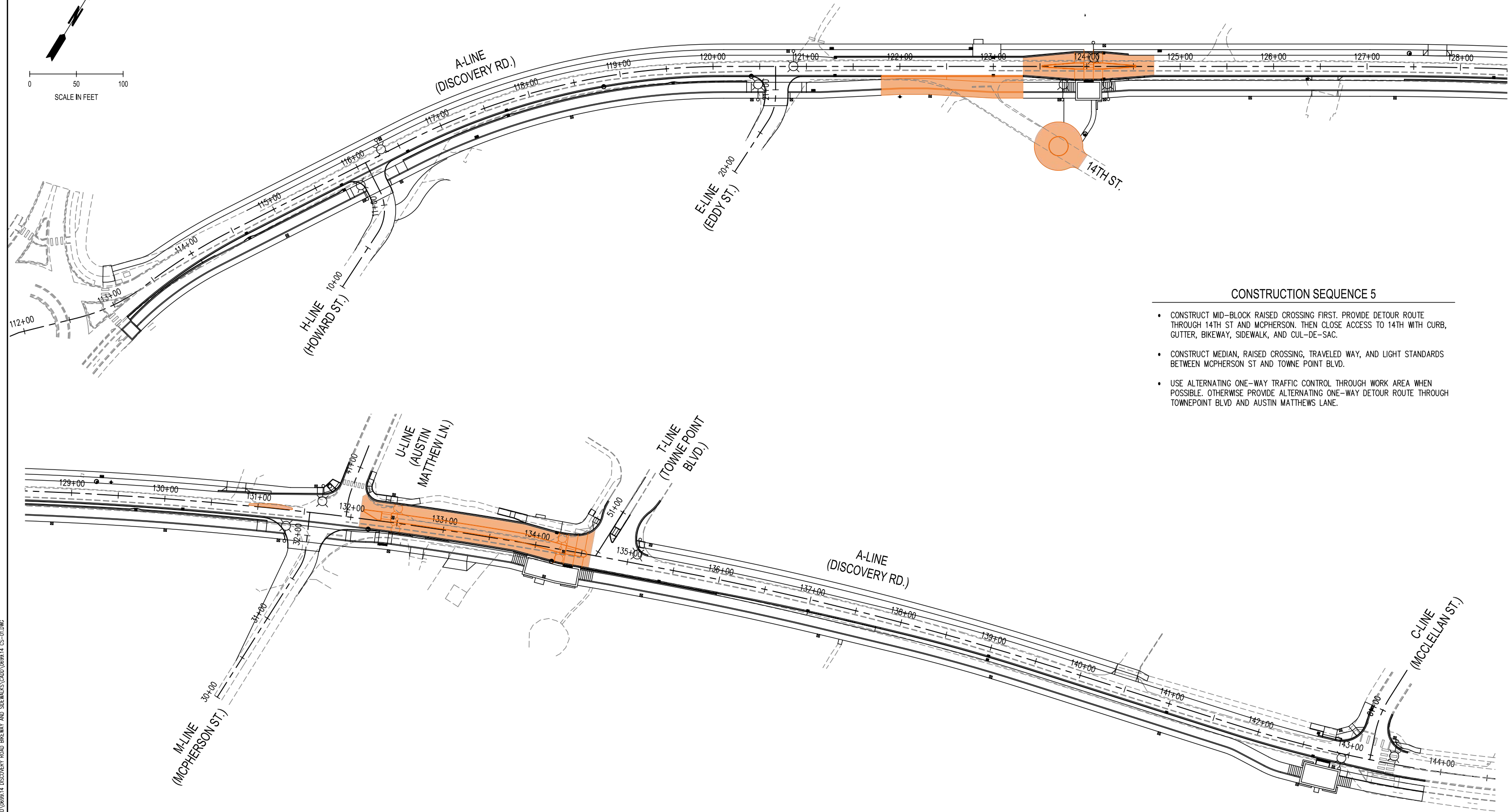
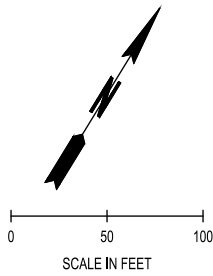


DISCOVERY ROAD
BIKEWAY ROADWAY & SIDEWALK PROJECT
PORT TOWNSEND, WA
CONSTRUCTION SEQUENCING PLAN

DRAWING No.: CS-4
SHEET No.: 66 OF 71

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CONSTRUCTION SEQUENCE 5

- CONSTRUCT MID-BLOCK RAISED CROSSING FIRST. PROVIDE DETOUR ROUTE THROUGH 14TH ST AND MCPHERSON, THEN CLOSE ACCESS TO 14TH WITH CURB, GUTTER, BIKEWAY, SIDEWALK, AND CUL-DE-SAC.
- CONSTRUCT MEDIAN, RAISED CROSSING, TRAVELED WAY, AND LIGHT STANDARDS BETWEEN MCPHERSON ST AND TOWNE POINT BLVD.
- USE ALTERNATING ONE-WAY TRAFFIC CONTROL THROUGH WORK AREA WHEN POSSIBLE. OTHERWISE PROVIDE ALTERNATING ONE-WAY DETOUR ROUTE THROUGH TOWNEPOINT BLVD AND AUSTIN MATTHEWS LANE.

04_12_2022 1:25:20pm - User: mitch_weyrauch
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REVISIONS	DATE	BY	DESIGNED BY:	ISSUE DATE:
			M WEYRAUCH	10/22/2022
			DRAWN BY:	JOB No.:
			M WEYRAUCH	0699_14
			CHECKED BY:	DRAWING FILE No.:
			S SAWYER	0699_14 CS-01

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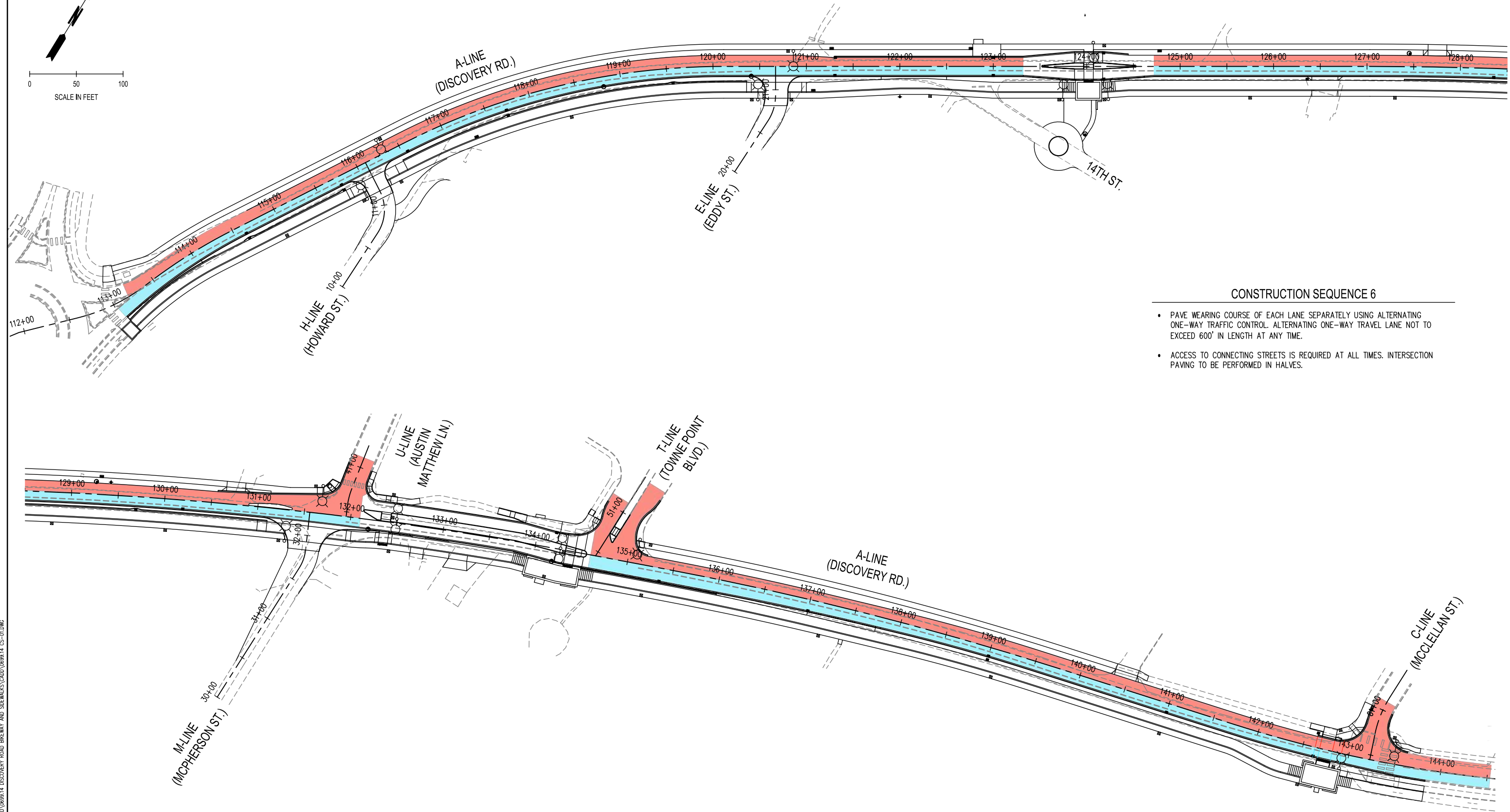
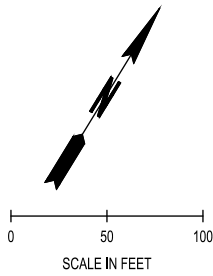
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City of Port Townsend

DISCOVERY ROAD
BIKEWAY ROADWAY & SIDEWALK PROJECT
PORT TOWNSEND, WA
CONSTRUCTION SEQUENCING PLAN

DRAWING No.: CS-5
SHEET No.: 67 OF 71

SEC. 9 & 10, T. 30 N., R. 1 W., W.M.



CONSTRUCTION SEQUENCE 6

- PAVE WEARING COURSE OF EACH LANE SEPARATELY USING ALTERNATING ONE-WAY TRAFFIC CONTROL. ALTERNATING ONE-WAY TRAVEL LANE NOT TO EXCEED 600' IN LENGTH AT ANY TIME.
- ACCESS TO CONNECTING STREETS IS REQUIRED AT ALL TIMES. INTERSECTION PAVING TO BE PERFORMED IN HALVES.

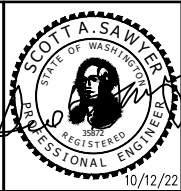
04_12_2022 1:25:25pm - User: mitch_sawyer
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REVISIONS	DATE	BY

BID SET

DESIGNED BY: M WEYRAUCH	ISSUE DATE: 10/22/2022
DRAWN BY: M WEYRAUCH	JOB No.: 0699.14
CHECKED BY: S SAWYER	DRAWING FILE No.: 0699.14 CS-01

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DISCOVERY ROAD
 BIKEWAY ROADWAY & SIDEWALK PROJECT
 PORT TOWNSEND, WA
 CONSTRUCTION SEQUENCING PLAN

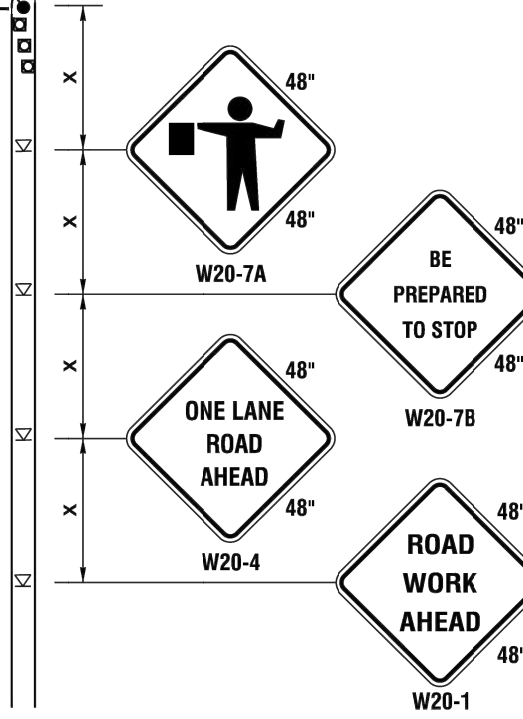
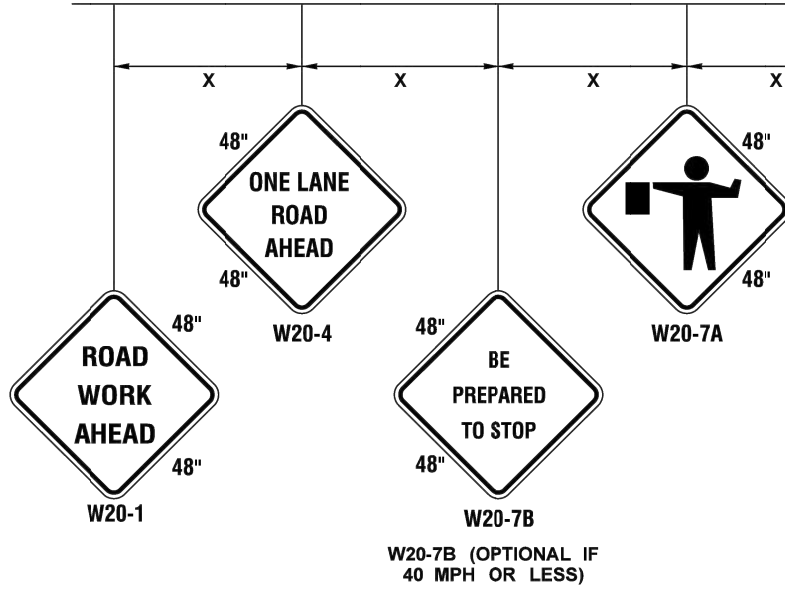
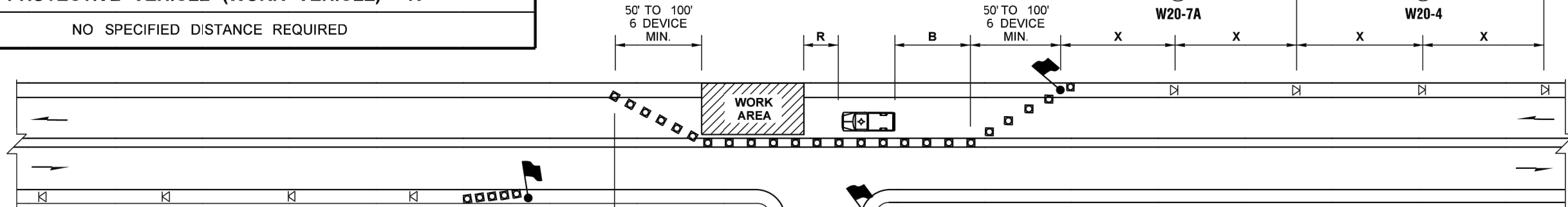
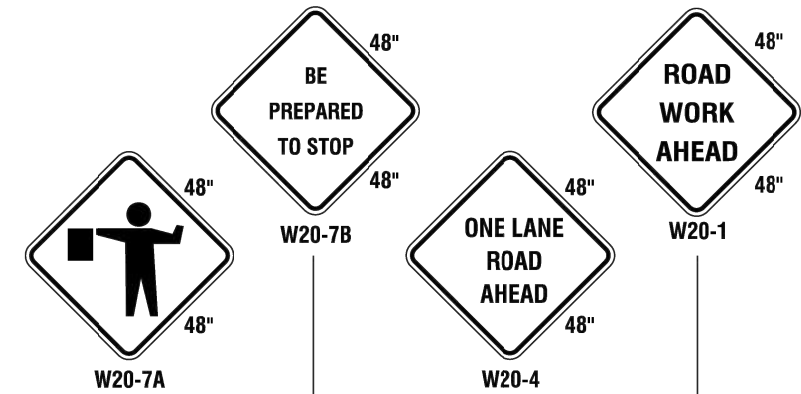
DRAWING No.: CS-6
SHEET No.: 68 OF 71

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730
TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R										
NOT APPLICABLE										
PROTECTIVE VEHICLE (WORK VEHICLE) = R										
NO SPECIFIED DISTANCE REQUIRED										

SIGN SPACING = X (1)		
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

W20-7B (OPTIONAL IF 40 MPH OR LESS)



CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50/65	10 TO 20	80
35/45	10 TO 20	60
25/30	10 TO 20	40

NOTES

- ALL SIGNS BLACK ON ORANGE.
- EXTENDING THE CHANNELIZING DEVICE TAPER ACROSS SHOULDER IS RECOMMENDED.
- NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT FLAGGING STATIONS. SEE THE STANDARD SPECIFICATIONS FOR ADDITIONAL DETAILS.
- SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.
- CONTRACTOR TO PROVIDE PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS'S) FOR DURATION OF PROJECT AS DIRECTED BY THE ENGINEER.

- LEGEND**
- FLAGGING STATION
 - TEMPORARY SIGN LOCATION
 - CHANNELIZING DEVICES
 - PROTECTIVE VEHICLE (OPTIONAL)

ONE-LANE, TWO-WAY TRAFFIC CONTROL WITH FLAGGERS

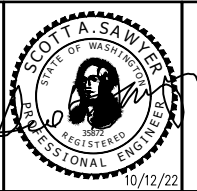
NOT TO SCALE

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REVISIONS	DATE	BY	DESIGNED BY:	ISSUE DATE:
			M WEYRAUCH	10/22/2022
			DRAWN BY:	JOB No.:
			M WEYRAUCH	0699.14
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DISCOVERY ROAD
BIKEWAY ROADWAY & SIDEWALK PROJECT
PORT TOWNSEND, WA
TRAFFIC CONTROL PLAN

DRAWING No.:	TC-1
SHEET No.:	69 OF 71

SIGN SPACING = X (FEET) (1)		
FREEWAYS & EXPRESSWAYS	55/70 MPH	1500'± (OR AS PER MUTCD)
RURAL HIGHWAYS	60/65 MPH	800'±
RURAL ROADS	45/55 MPH	500'±
RURAL ROADS, URBAN ARTERIAL	35/40 MPH	350'±
RURAL ROADS, URBAN ARTERIAL RESIDENTIAL & BUSINESS DISTRICTS	25/30 MPH	200'± (2)
URBAN STREETS	25 MPH OR LESS	100'± (2)

ALL SIGNS ARE 48"x48" BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.

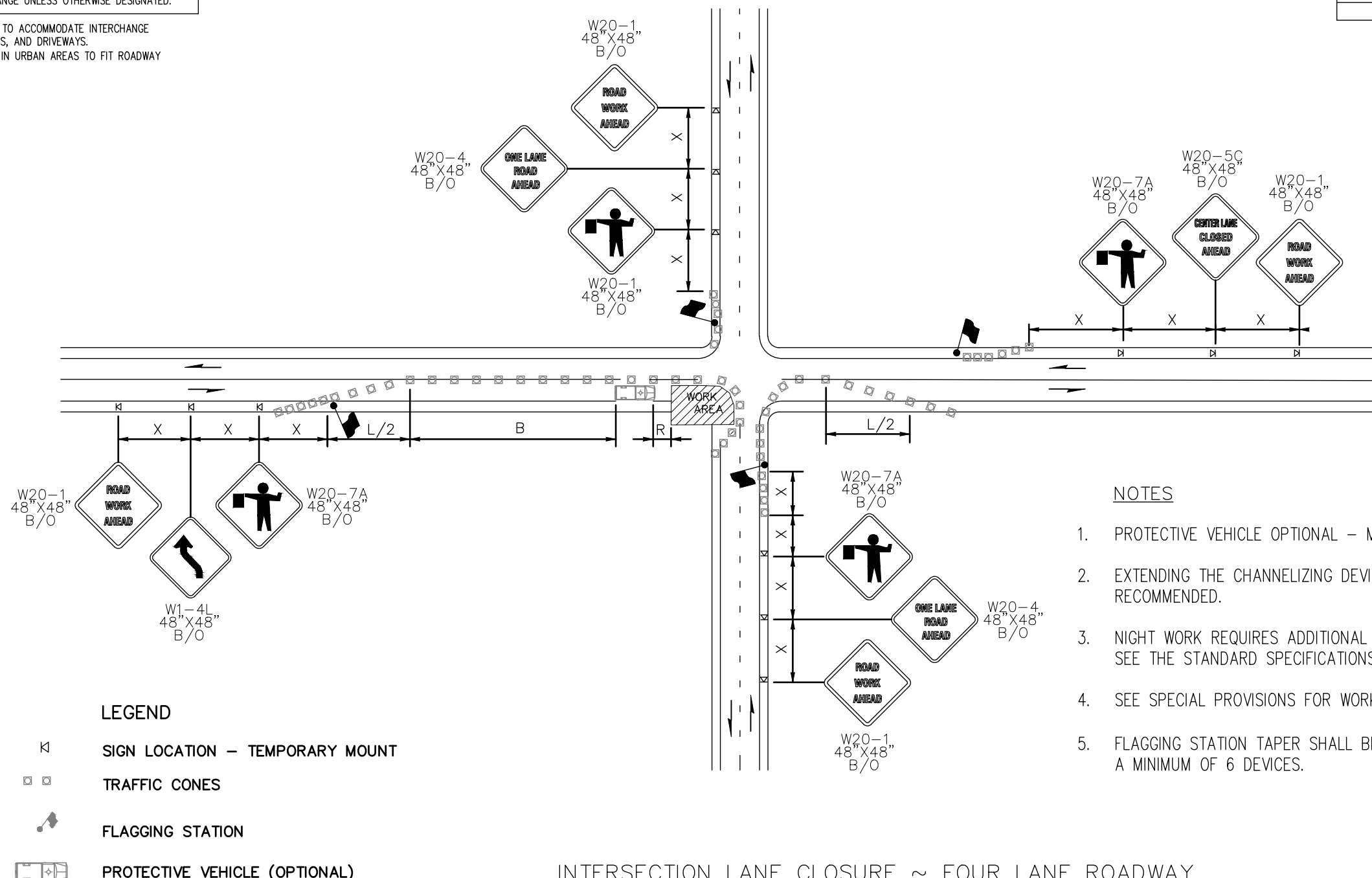
WIDTH	MINIMUM TAPER LENGTH IN FEET (L)									
	POSTED SPEED (MPH)									
6	-	-	-	-	270	300	330	360	390	420
8	84	120	162	210	270	300	330	360	390	420
10	105	150	205	270	300	330	360	390	420	450
11	115	165	225	295	330	360	390	420	450	480
12	125	180	245	320	360	390	420	450	480	510

3 DEVICES MINIMUM SPACED 10' O.C. IN TAPERS FOR SHOULDER WIDTHS LESS THAN 6 FEET

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730
TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R										
NOT APPLICABLE										
PROTECTIVE VEHICLE (WORK VEHICLE) = R										
NO SPECIFIED DISTANCE REQUIRED										

- (1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP, AT-GRADE INTERSECTIONS, AND DRIVEWAYS.
- (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

CHANNELIZING DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50/70	40	80
45/50	30	60
35/40	30	60
25/30	20	40



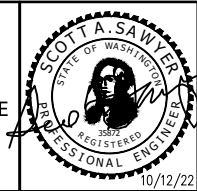
- NOTES**
- PROTECTIVE VEHICLE OPTIONAL - MAY BE A WORK VEHICLE.
 - EXTENDING THE CHANNELIZING DEVICE TAPER ACROSS SHOULDER IS RECOMMENDED.
 - NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT FLAGGING STATIONS. SEE THE STANDARD SPECIFICATIONS FOR ADDITIONAL DETAILS.
 - SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.
 - FLAGGING STATION TAPER SHALL BE 50' MINIMUM, 100' MAXIMUM AND REQUIRE A MINIMUM OF 6 DEVICES.

INTERSECTION LANE CLOSURE ~ FOUR LANE ROADWAY
NOT TO SCALE

04.12.2022 1:25:39pm - User: mch...
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REVISIONS	DATE	BY	DESIGNED BY: DESIGNER NAME	ISSUE DATE: 10/22/2022
			DRAWN BY: DRAFTER NAME	JOB No.: 0699.14
			CHECKED BY: ENGINEER NAME	DRAWING FILE No.: 0699.14 TC-01

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DISCOVERY ROAD BIKEWAY ROADWAY & SIDEWALK PROJECT PORT TOWNSEND, WA	DRAWING No.: TC-2
TRAFFIC CONTROL PLAN	SHEET No.: 70 OF 71

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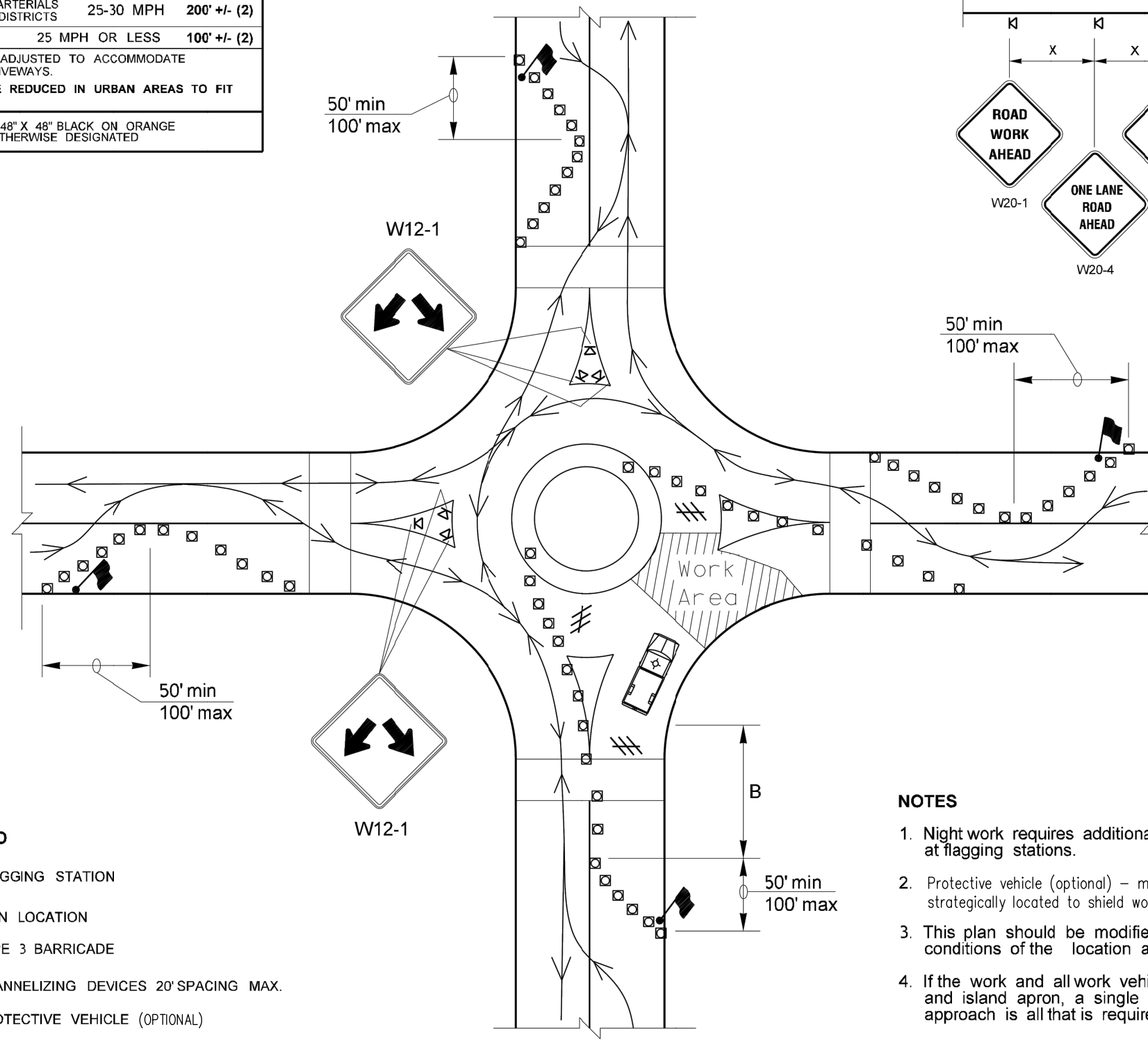
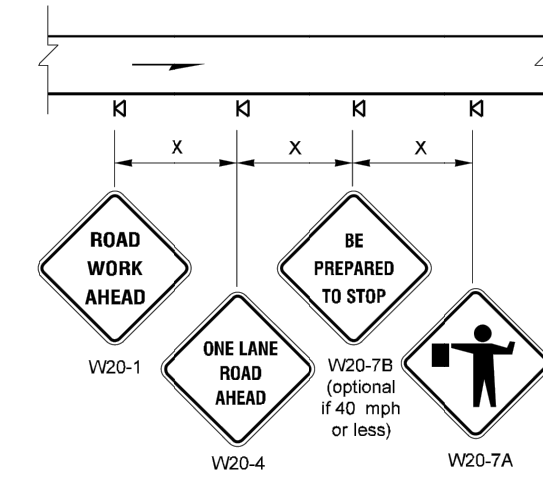
SIGN SPACING = X (1)		
RURAL HIGHWAYS	60-65 MPH	800' +/-
RURAL ROADS	45-55 MPH	500' +/-
RURAL ROADS & URBAN ARTERIALS	35-40 MPH	350' +/-
RURAL ROADS & URBAN ARTERIALS RESIDENTIAL & BUSINESS DISTRICTS	25-30 MPH	200' +/- (2)
URBAN STREETS	25 MPH OR LESS	100' +/- (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

ALL SIGNS ARE 48" X 48" BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED

LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	20	25	30	35	40	45	50	55	60	65
LENGTH (feet)	115	155	200	250	305	360	425	495	570	645

TYPICAL SIGNING APPROACHING ALL FLAGGER STATIONS



LEGEND

- FLAGGING STATION
- SIGN LOCATION
- TYPE 3 BARRICADE
- CHANNELIZING DEVICES 20' SPACING MAX.
- PROTECTIVE VEHICLE (OPTIONAL)
- VEHICLE TRAVEL PATH DURING A FLAGGING PHASE

NOTES

1. Night work requires additional roadway lighting at flagging stations.
2. Protective vehicle (optional) – may be a work vehicle strategically located to shield work area.
3. This plan should be modified to meet the specific conditions of the location and the work operation.
4. If the work and all work vehicles are off of the travel lanes and island apron, a single Road Work Ahead sign per approach is all that is required.
5. Additional signing in center island may be necessary to assist traffic movement through roundabout.

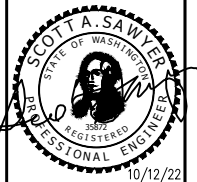
TYPICAL ROUNDABOUT FLAGGING OPERATION
TCP 7

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REVISIONS	DATE	BY	DESIGNED BY: DESIGNER NAME	ISSUE DATE:
			10/22/2022	
			DRAWN BY: DRAFTER NAME	JOB No.: 0699_14
			CHECKED BY: ENGINEER NAME	DRAWING FILE No.: 0699_14 TC-01

BID SET

ALL DIMENSIONS SHOWN IN FEET UNLESS OTHERWISE DESIGNATED



DISCOVERY ROAD
BIKEWAY ROADWAY & SIDEWALK PROJECT
PORT TOWNSEND, WA
TRAFFIC CONTROL PLAN

DRAWING No.:
TC-3
SHEET No.:
71 OF 71