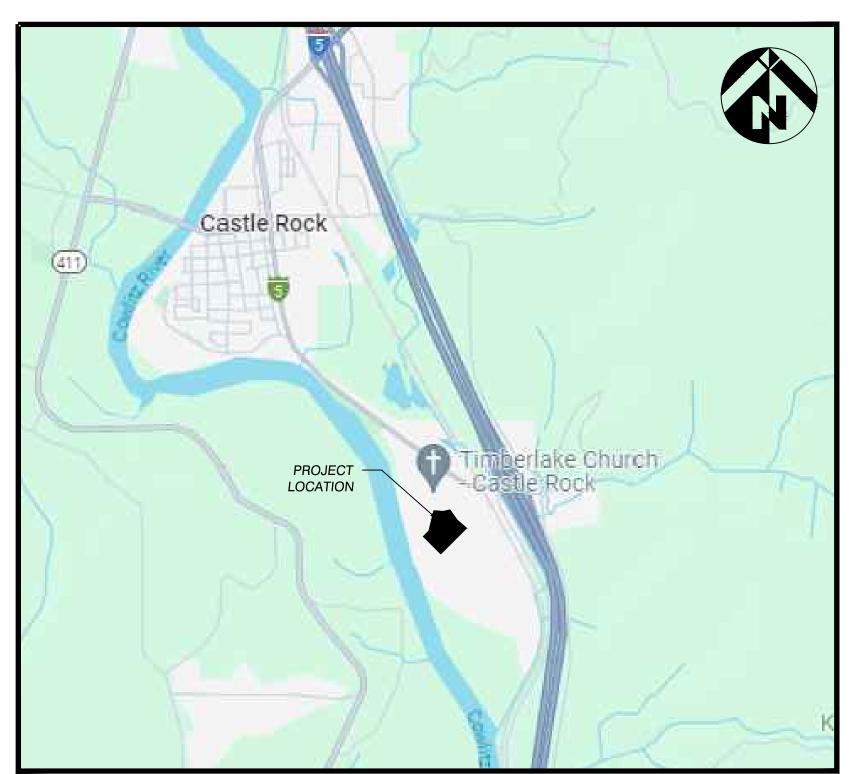
# RIVER'S EDGE AT THE LANDING SUBDIVISION PRELIMINARY LAND USE PLANS

NW QTR, SECTION 14 TOWNSHIP T9N, RANGE R2W W.M.



VICINITY MAP

PROJECT PARCEL #308640100 PER BLA #CR-BLA-24-01 (AFN #3762029 AND AFN #3763318)

### OWNER CT6, LLC

SHANE TAPANI PO BOX 1419 BATTLE GROUND ,WA 98604 PHONE: 360-687-1148

# CONTRACTOR TAPANI, INC.

1705 SE 9TH AVE BATTLE GROUND, WA 9860 JEROME SARKINEN PHONE: 360-907-7615

MP1.2

### **ENGINEER**

## MacKay Sposito

18405 SE MILL PLAIN BLVD, SUITE 100
VANCOUVER, WA 98683
C (714)732-8563
O (360)823-1244
www.mackaysposito.com
ENGINEER: TAYLOR WILSON, PE

### **VERTICAL DATUM**

THE ELEVATIONS SHOWN ON THIS MAP ARE BASED ON AN OPUS SOLUTION AT CP 1 WITH A DERIVED NAVD88 ORTHOMETRIC ELEVATION OF 46.26 FEET.

### **HORIZONTAL DATUM**

WASHINGTON STATE PLANE COORDINATE SYSTEM, SOUTH ZONE (4602), NAD83(2011)(EPOCH: 2010.0000), US SURVEY FOOT. DISTANCES SHOWN HEREON ARE GROUND DISTANCES. TO CONVERT TO GRID MULTIPLY BY THE COMBINED SCALE FACTOR OF 0.9999321353 ABOUT CP1

Sheet Title

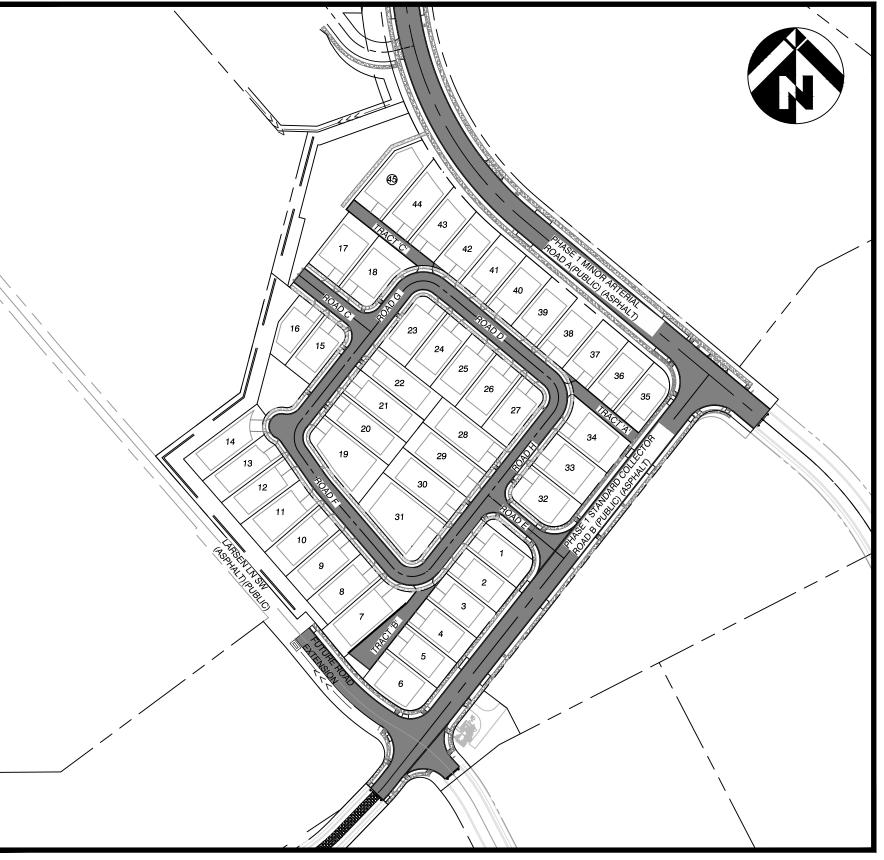
LANDSCAPE PLANTING PLAN

PLANTING SPECIFICATIONS AND DETAILS

**IRRIGATION SPECIFICATIONS** 

STREET PHOTOMETRICS

FIXTURE SPECIFICATIONS



SITE MAP

Sheet Number

L1.0

L1.1

L1.2

CL1.0

CL1.1

Sheet List Table	
Sheet Title	Sheet Number
COVER SHEET	C0.0
SHEET INDEX PLAN	C0.1
EXISTING CONDITIONS	C0.2
PRELIMINARY PLAT	C1.0
GRADING AND EROSION CONTROL PLAN (PHASE 1)	C2.0
GRADING AND EROSION CONTROL PLAN (PHASE 2)	C2.1
STREET AND STORM PLAN (PHASE 1)	C3.0
STREET AND STORM PLAN (PHASE 2)	C3.1
STREET SECTIONS	C3.2
MAIN CIRCULATION STREET AND STORM PROFILE	C3.3
ROAD C AND ROAD E STREET AND STORM PROFILES	C3.4
SEWER AND WATER PLAN (PHASE 1)	C4.0
SEWER AND WATER PLAN (PHASE 2)	C4.1
MAIN CIRCULATION SEWER PROFILE	C4.2
ROAD C AND ROAD E SEWER PROFILES	C4.3
PRELIMINARY MASTER PHASING PLAN	MP1.0
PRELIMINARY MASTER SIGNAGE PLAN	MP1.1

PRELIMINARY MASTER PARKS, RECREATION, AND OPEN

SPACE PLAN

LEGE	IND
	— PERIMETER OF SITE
	— RIGHT-OF-WAY LINE
	— CENTERLINE OF ROAD
	FACE OF CURB
	LOT LINE
	EASEMENT LINE
STM	STORM SEWER LINE
STM	EXIST STORM SEWER
SAN	SANITARY SEWER LINE
	EXIST SANITARY SEWER
W	WATER SERVICE LINE
W	EXIST WATER LINE
123	GRADED CONTOUR LINE
	EXIST CONTOUR LINE
MANHOLE	WATER SERVICE METER
⊗ WATER VALVE AND BOX	TELEPHONE RISER
	GAS RISER
○ CLEAN OUT	ELECTRIC RISER
CATCH BASIN	UTILITY POLE
∴ THRUST BLOCK	UTILITY POLE W/ LIGHT
	SIGN POST



MacKay Sposito

ENERGY PUBLIC WORKS LAND DEVELOPMENT

www.mackaysposito.com



3/27/202

EVISIONS:

JOB NO.: 1859 DATE: 3/27/202

DATE: 3/27/2025

SCALE: H: NO SCALE V: N/A

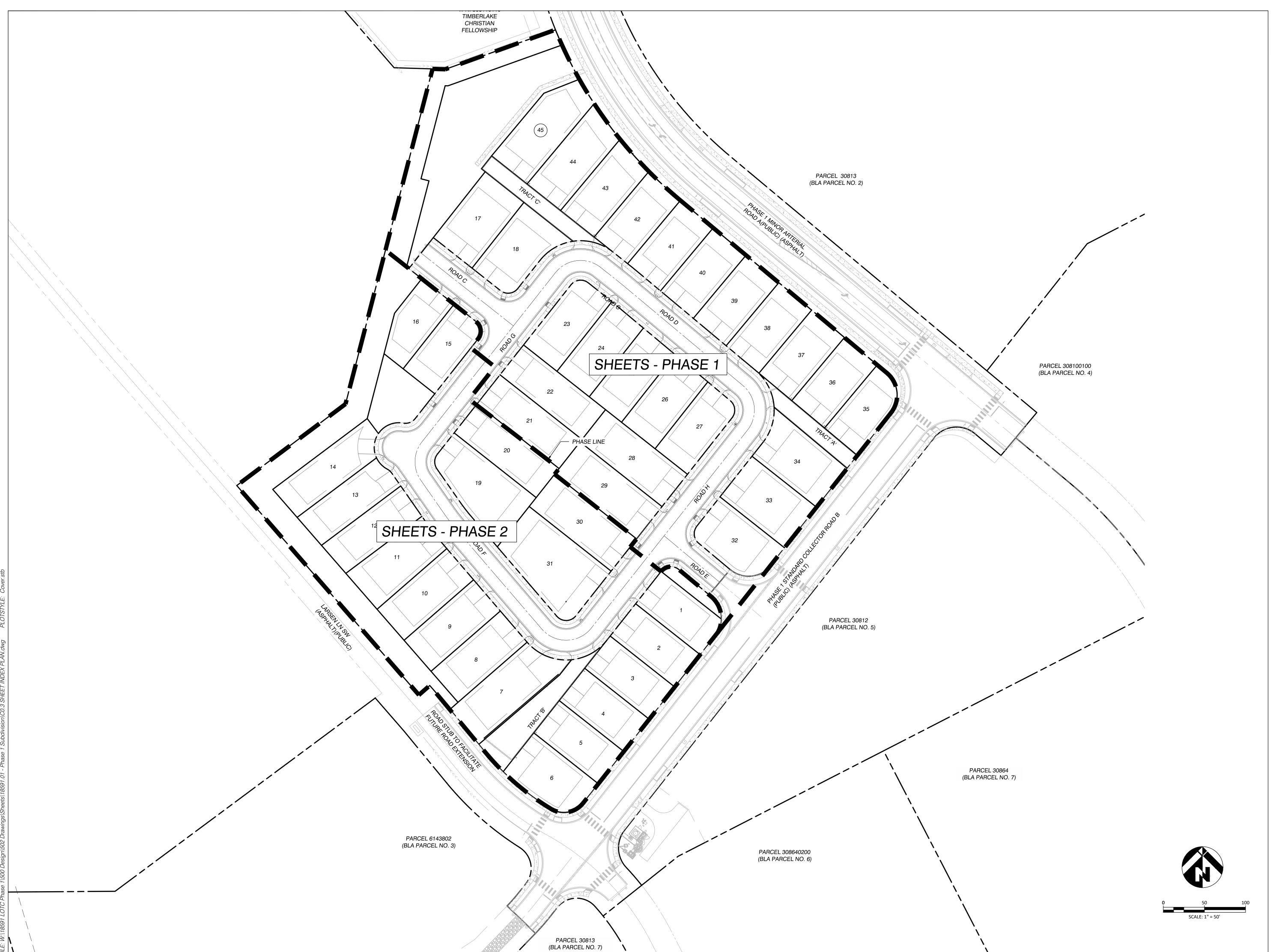
DESIGNED BY: PJM

DRAWN BY: PJM

CHECKED BY: TAW

PRELIMINARY

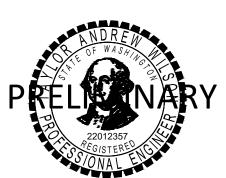
20.0



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3/27/2025

T INDEX PLAN

SHEE

RIVER'S EDGE AT THE LANDING SUBDIVISION CASTLE ROCK, WASHINGTON

REVISIONS:

LOD NO	10501
JOB NO.:	18591
DATE:	3/27/2025
SCALE: H: 1"= 50'	V: N/A
DESIGNED BY:	PJM
DRAWN BY:	PJM
CHECKED BY:	TAW

PRELIMINARY

C0.1

MacKay Sposito



3/27/2025

ONDITIONS

SUBDIVISION TON

LANDING (, WASHINGTO

THE ROCK,

EDGE AT CASTLE

**REVISIONS:** 

 JOB NO.:
 18591

 DATE:
 3/27/2025

 SCALE: H: 1"= 60'
 V: N/A

 DESIGNED BY:
 PJM

 DRAWN BY:
 PJM

 CHECKED BY:
 TAW

PRELIMINARY

C0.2



SUBDIVISION TON

LANDING (, WASHINGTO

THE ROCK,

DGE AT CASTLE

**REVISIONS:** 

**IMINARY** 

PREL

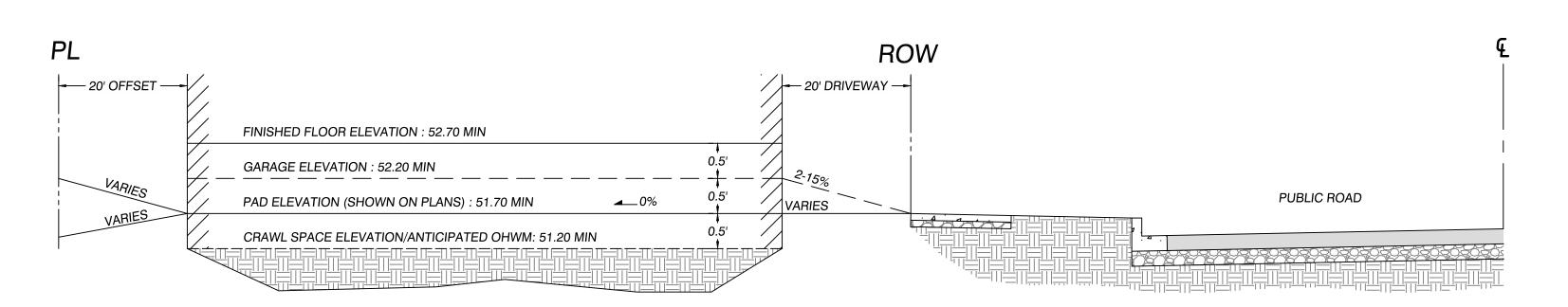
JOB NO.:	18591
DATE:	3/27/2025
SCALE: H: 1" = 40	' V: N/A
DESIGNED BY:	PJM
DRAWN BY:	PJM

PRELIMINARY

CHECKED BY:

### **CONSTRUCTION NOTES**

- 1) ALL EROSION CONTROL DEVICES PROPOSED SHALL CONFORM WITH WSDOT STANDARDS.
- CONTRACTOR TO CONSTRUCT EQUIPMENT AND PARKING AREA AT A SUITABLE LOCATION PRIOR TO BEGINNING GRADING ACTIVITIES. LOCATION TO BE DETERMINED PRIOR TO THE PRE-CONSTRUCTION CONFERENCE.
- 3) IF TRACKING OF SEDIMENT FROM THE SITE BECOMES A PROBLEM, A WHEEL WASH SHALL BE INSTALLED AT THE SITE ENTRANCE.
- STOCKPILE AREAS PLACED ONSITE SHALL BE COORDINATED BY THE CONTRACTOR AND SURROUNDED WITH SILT FENCE AND COVERED WITH PLASTIC AS NECESSARY DURING CONSTRUCTION. MATERIAL NOT STOCKPILED ONSITE SHALL BE REMOVED TO AN APPROPRIATE IMPORT
- 5) ANY SLOPE LESS THAN 3:1 TO BE STABILIZED WITH SEEDING AND MULCH/STRAW.
- 6) CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING BMP T5.13. EROSION CONTROL INSPECTION REQUIRED BEFORE YOU BEGIN ANY SITEWORK
- 8) THE BASE FLOOD ELEVATION IS 48.0 AND MINIMUM PAD ELEVATION (AS SHOWN ON PLAN) IS 51.70.



TYPICAL LOT SECTION



3/27/2025

LANDING S, WASHINGTO

EROSI

**REVISIONS:** 

JOB NO.: 18591 DATE: 3/27/2025 SCALE: H: 1" = 30' V: N/A **DESIGNED BY:** 

PRELIMINARY

DRAWN BY:

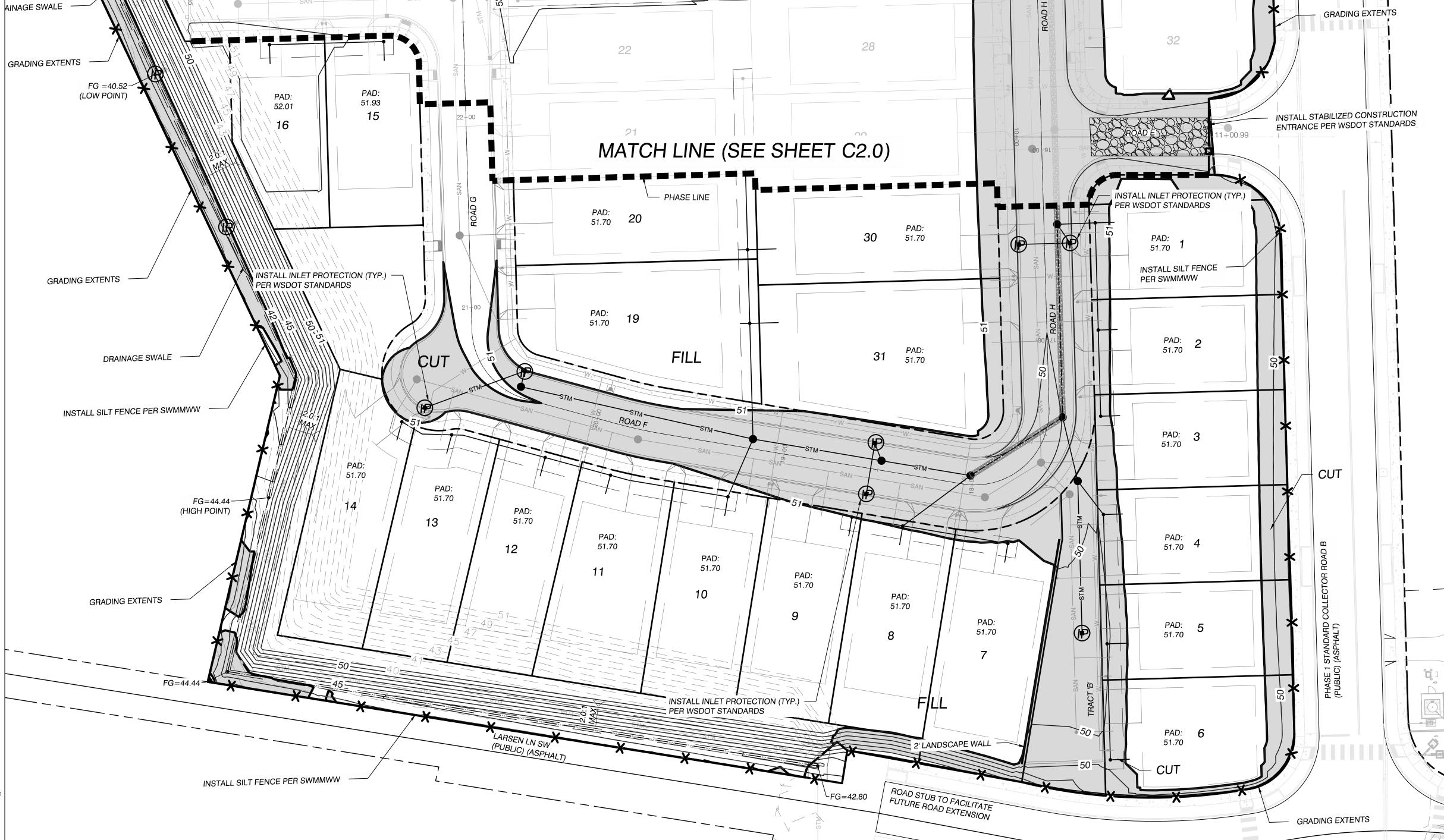
CHECKED BY:

APPROXIMATE GRADING VOLUMES

2,000 CY CUT

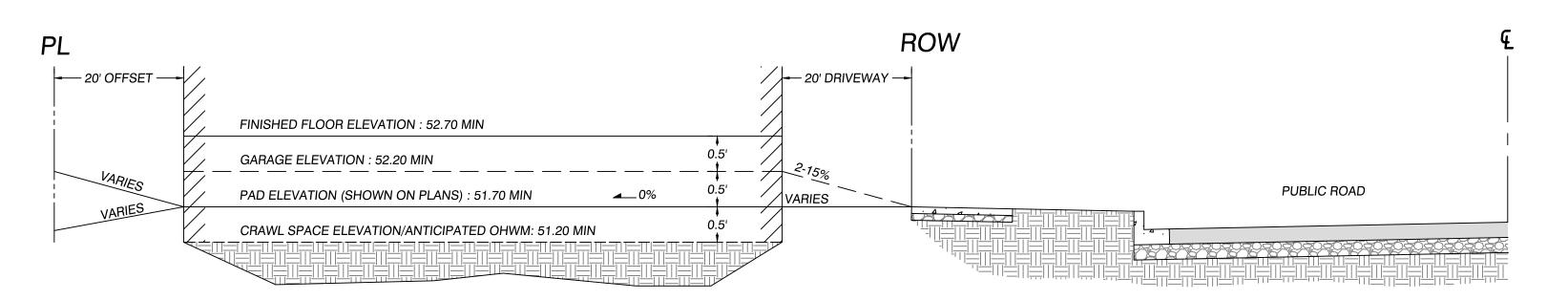
15,000 CY

NOTE: CUT AND FILL AREAS AND VOLUMES ARE CALCULATED FROM EXISTING GROUND TO FINISHED GRADE AND ARE NOT ADJUSTED FOR STRIPPINGS, TRENCH EXCAVATION, STRUCTURAL EXCAVATION OR SHRINK/SWELL. CONTRACTORS ARE SOLELY RESPONSIBLE FOR QUANTITY ESTIMATES FOR BIDDING PURPOSES.



### **CONSTRUCTION NOTES**

- 1) ALL EROSION CONTROL DEVICES PROPOSED SHALL CONFORM WITH WSDOT STANDARDS.
- 2) CONTRACTOR TO CONSTRUCT EQUIPMENT AND PARKING AREA AT A SUITABLE LOCATION PRIOR TO BEGINNING GRADING ACTIVITIES. LOCATION TO BE DETERMINED PRIOR TO THE PRE-CONSTRUCTION CONFERENCE.
- 3) IF TRACKING OF SEDIMENT FROM THE SITE BECOMES A PROBLEM, A WHEEL WASH SHALL BE INSTALLED AT THE SITE ENTRANCE.
- STOCKPILE AREAS PLACED ONSITE SHALL BE COORDINATED BY THE CONTRACTOR AND SURROUNDED WITH SILT FENCE AND COVERED WITH PLASTIC AS NECESSARY DURING CONSTRUCTION. MATERIAL NOT STOCKPILED ONSITE SHALL BE REMOVED TO AN APPROPRIATE IMPORT
- 5) ANY SLOPE LESS THAN 3:1 TO BE STABILIZED WITH SEEDING AND MULCH/STRAW.
- 6) CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING BMP T5.13.
- EROSION CONTROL INSPECTION REQUIRED BEFORE YOU BEGIN ANY SITEWORK
- 8) THE BASE FLOOD ELEVATION IS 48.0 AND MINIMUM PAD ELEVATION (AS SHOWN ON PLAN) IS 51.70.



TYPICAL LOT SECTION

**REVISIONS:** 

LANDING SUBDIVISION, WASHINGTON

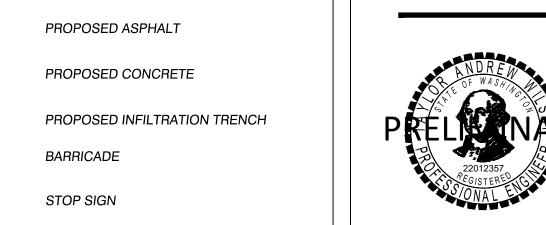
CONTROL

OSI

3/27/2025

JOB NO.: 18591 DATE: 3/27/2025 SCALE: H: 1" = 30' V: N/A **DESIGNED BY:** DRAWN BY: CHECKED BY:

PRELIMINARY



### NOTE:

-12" HDPE L=11.1'

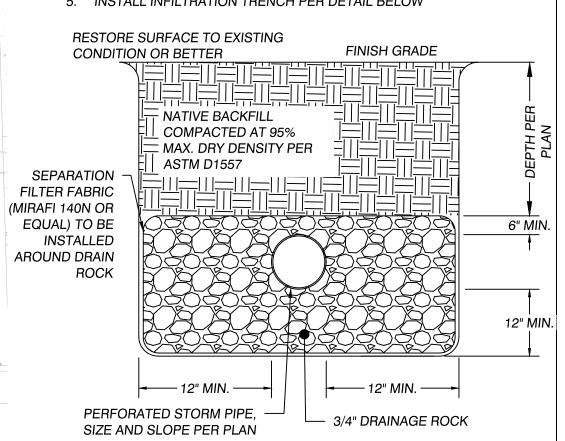
EX 18" HDPE

-12" HDPE L=19.05 SL=0.0050

1. HMA SECTIONS ARE TO BE CONSTRUCTED PER STREET SECTIONS, SHEET C3.2.

### STORMWATER:

- 1. ALL STORMWATER SYSTEMS WILL BE DESIGNED IN CONFORMANCE WITH CITY OF CASTLE ROCK STANDARDS AND THE STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON.
- 2. ALL STORMWATER FACILITIES WILL BE PRIVATELY OWNED AND MAINTAINED WITH A BLANKET ACCESS AND INSPECTION EASEMENT OVER THE PROPERTY DEDICATED TO CITY OF CASTLE ROCK.
- 3. NATIVE SOILS ON THE SITE ARE CONSIDERED TO BE WWHM GROUP 1 (EXCESSIVELY DRAINED SOILS A & B).
- 4. STORMWATER RUNOFF FROM PAVED SURFACES WILL BE ROUTED TO CONTECH STORMFILTER CATCHBASINS AND THEN CONVEYED TO AN OUTFALL AFTER PROPER TREATMENT. STORMWATER RUNOFF WILL BE INFILTRATED ON SITE AND/OR DISCHARGED INTO THE COWLITZ
- 5. INSTALL INFILTRATION TRENCH PER DETAIL BELOW



### INFILTRATION TRENCH SECTION

NO SCALE

	INLET DATA		INLET DATA		INLET DATA	S	TORM MANHOLE DATA	S	TORM MANHOLE DATA	STOR	M MANHOLE DATA									
STRUCTURE ID	STRUCTURE DATA	STRUCTURE ID	STRUCTURE DATA	STRUCTURE ID	STRUCTURE DATA	STRUCTURE ID	STRUCTURE DATA	STRUCTURE ID	STRUCTURE DATA	STRUCTURE ID	STRUCTURE DATA									
AD1	N: 346651.76 E: 1035084.69 INSTALL DITCH INLET RIM = 41.00 12" IE OUT = 41.00	CB4	N: 346635.47 E: 1035231.28 INSTALL 1-CARTRIDGE(18") CONTECH STORMFILTER CB RIM = 51.17	CB9	STA 14+44.27 (13.5' LT-SUBDIVISION MAIN CIRCULATION) INSTALL 1-CARTRIDGE(18") CONTECH STORMFILTER CB RIM = 50.02	AA1	STA 10+41.00 (4.9' <i>LT</i> -SUBDIVISION ROAD C) INSTALL 48" STM MH RIM = 51.62 18" IE OUT = 46.67	BB4	STA 13+11.00 (7.0' LT-SUBDIVISION MAIN CIRCULATION) INSTALL 48" STM MH RIM = 50.97 18" IE IN = 44.60	CC1	N: 346586.06 E: 1035393.91 INSTALL 48" STM MH RIM = 52.28 12" IE IN = 46.26									
AD2	N: 346650.47 E: 1035089.52 INSTALL 24" RISER W/ ATRIUM GRATE RIM = 43.03 12" IE IN = 41.00	CB5	12" IE OUT = 48.87  STA 13+06.00 (13.5' <i>RT</i> -SUBDIVISION MAIN CIRCULATION) INSTALL STM CB RIM = 50.87 12" IE OUT = 46.87	CB10	12" IE IN = 45.89 12" IE OUT = 45.39 STA 15+93.00 (13.5' RT-SUBDIVISION MAIN CIRCULATION) INSTALL 1-CARTRIDGE(18") CONTECH STORMFILTER CB	- AA2	STA 11+08.05 (5.0' <i>LT</i> -SUBDIVISION ROAD C) INSTALL 48" STM MH RIM = 51.43 18" IE IN = 46.47 12" IE IN = 46.47	BB5	12" IE IN = 46.19 18" IE OUT = 44.40 STA 13+81.38 (9.4' <i>LT</i> -SUBDIVISION MAIN CIRCULATION) INSTALL 48" STM MH RIM = 50.49		18" IE OUT = 46.06  N: 346393.60 E: 1035526.69  INSTALL 48" STM MH  RIM = 50.62  12" IE IN = 44.63									
CB1	12" IE OUT = 41.00  STA 11+03.05 (13.5' RT-SUBDIVISION ROAD C) INSTALL STM CB RIM = 51.26 12" IE OUT = 47.26	CB6	STA 13+06.00 (13.5' <i>LT</i> -SUBDIVISION MAIN CIRCULATION) INSTALL 1-CARTRIDGE(27") CONTECH STORMFILTER CB RIM = 50.87 12" IE IN = 46.73	CB11	RIM = 49.52 12" IE OUT = 46.47 STA 11+00.99 (9.5' RT-SUBDIVISION ROAD E) INSTALL STM CB RIM = 49.35	- BB1	18" IE OUT = 46.27  STA 10+04.98 (5.0' RT-SUBDIVISION MAIN CIRCULATION) INSTALL 48" STM MH RIM = 51.63 18" IE IN = 46.15	BB6	18" IE IN = 44.18 18" IE OUT = 43.98 STA 14+16.94 (9.5' <i>LT</i> -SUBDIVISION MAIN CIRCULATION) INSTALL 48" STM MH RIM = 50.27	EX1	18" IE OUT = 44.43  N: 346165.49 E: 1035470.66  INSTALL EX 48" STM MH  RIM = 49.53  18" IE IN = 42.42									
CB2	STA 11+03.05 (13.5' <i>LT</i> -SUBDIVISION ROAD C) INSTALL 1-CARTRIDGE(18") CONTECH STORMFILTER CB RIM = 51.26 12" IE IN = 47.12	CB7	12" IE OUT = 46.23  N: 346346.81 E: 1035582.67 INSTALL 1-CARTRIDGE(18") CONTECH STORMFILTER CB RIM = 49.45	CB12	12" IE OUT = 45.35  STA 11+00.99 (9.5' LT-SUBDIVISION ROAD E) INSTALL 1-CARTRIDGE(18") CONTECH STORMFILTER CB RIM = 49.35	BB2	12" IE IN = 46.89 18" IE OUT = 45.95 STA 11+07.14 (3.1' <i>LT</i> -SUBDIVISION MAIN CIRCULATION) INSTALL 48" STM MH RIM = 51.88		18" IE IN = 43.85 18" IE IN = 43.85 12" IE OUT = 43.65 STA 14+54.27 (7.1' <i>LT</i> -SUBDIVISION MAIN CIRCULATION) INSTALL 48" STM MH		12" IE IN = 45.19 18" IE OUT = 42.22									
CB3	12" IE OUT = 46.52  STA 22+30.73 (13.5' <i>RT-</i> SUBDIVISION MAIN CIRCULATION) INSTALL 1-CARTRIDGE (18") CONTECH STORMFILTER CB	CB8	12" IE OUT = 47.15  STA 14+44.27 (13.5' <i>RT-</i> SUBDIVISION MAIN CIRCULATION) INSTALL STM CB RIM = 50.02		12" IE IN = 45.25 12" IE OUT = 45.25	18" IE IN = 45.64 18" IE OUT = 45.44 STA 11+34.94 (9.3' <i>LT</i> -SUBDIVISION MAIN CIRCULATION) INSTALL 48" STM MH	BB7	RIM = 50.09 12" IE IN = 43.53 12" IE IN = 45.33 12" IE OUT = 43.33												
050	RIM = 51.33 12" IE OUT = 49.03		12" IE OUT = 46.02											BB3 RIM = 51 18" IE IN 18" IE IN	PIM — 51 74		STA 15+89.39 (7.0' <i>LT</i> -SUBDIVISION INSTALL 48" STM MH RIM = 49.71 BB8 12" IE IN = 42.92 12" IE IN = 42.92			

PARCEL 30813 (BLA PARCEL NO. 2)

39

-18" HDPE

L=28.0'

∠18" HDPE

L=32.1'

SL=0.0030

18" HDPE

L=102.4'

SL=0.0030

──12" HDPE L=43.0' SL=0.0498

SL=0.0258

SL=0.0030

ROAD D

24

12" HDPE

L=27.0'

MATCH LINE (SEE SHEET C3.1)

SL=0.0050

∕−12" HDPE

L=8.2'

SL=0.0050

18" HDPE

L=42.7'

└-18" HDPE

L=73.1'

12" HDPE L=27.0'

SL=0.0050

12" HDPE -L=20.8' SL=0.0100

SL=0.0030

SL=0.0030

 $\prec$ DD1 $\rangle$ 

L=57.2'

-12" PERF HDPE

L=40.1' **34** SL=0.0030

L = 11.9'

SL=0.0050 **33** 

12" PERF HDPE

L=135.1'

ROAD E

12' PERF HDPE 18" HDPE L=49.8' L=91.1' SL=0.0030 SL=0.0033

<sup>⊥</sup> SL=0.0030

SL=0.0440

TRACT 'A'

TPN: 3081101/10 TIMBERLAKE CHRISTIAN/ FELLOWSHIP/

(45)

/--12"\HDPE

SL=0.0000

L=107.1'

SL=0.0045

\L=5.0'

PROPOSED BARRICADE -

TRACT 'C'

CB4

18" HDPE

L=67.0'

SL=0.0030

17

12" HDPE ☐

12" HDPE

SL=0.0050

L=9.9'

12" HDPE

L=79.8'

SL=0.0327

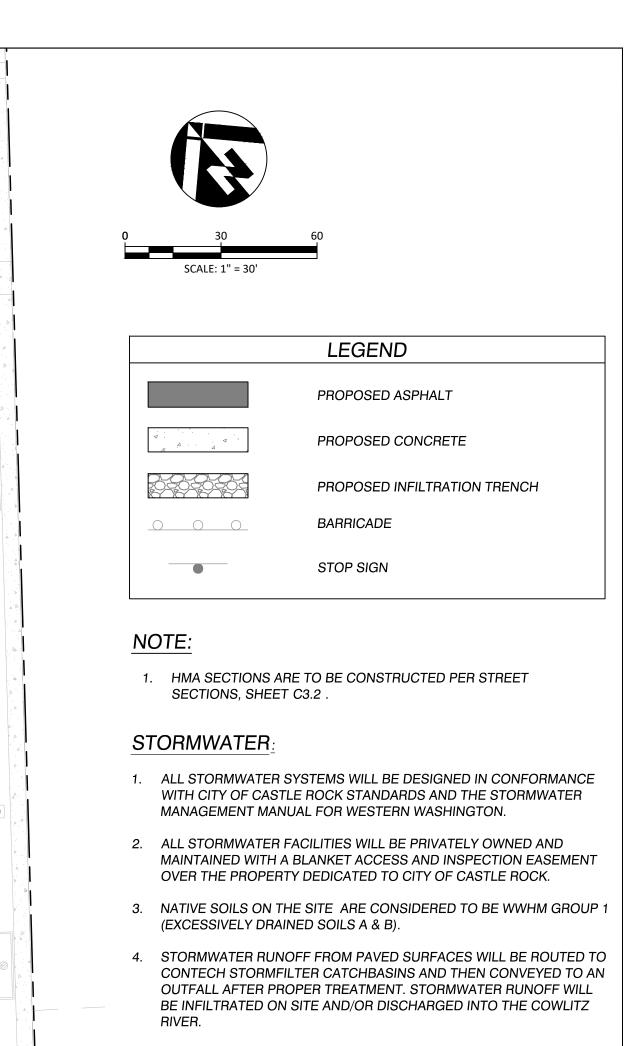
SUBDIVISION

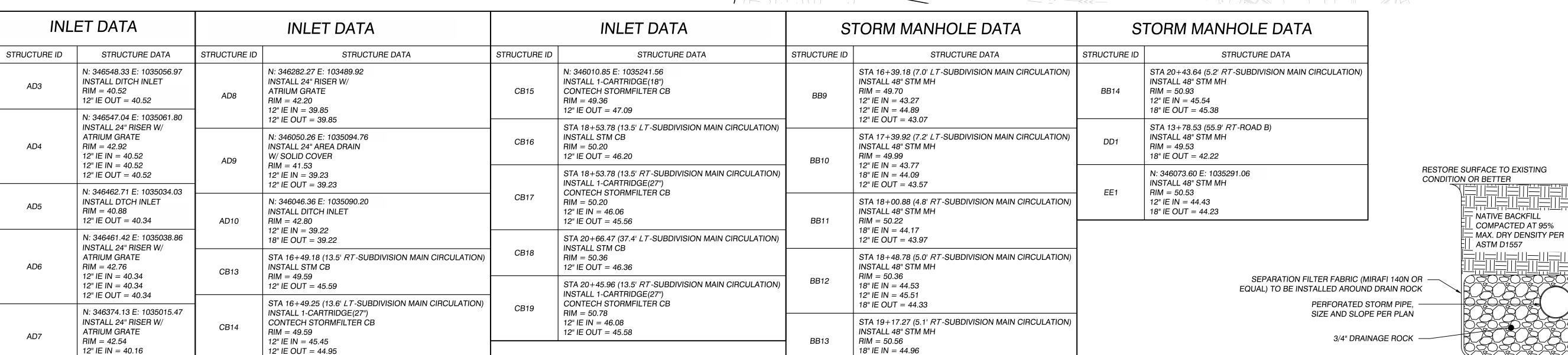
**REVISIONS:** 

JOB NO.: 18591 DATE: 3/27/2025 SCALE: H: 1" = 30' V: N/A DESIGNED BY: DRAWN BY: CHECKED BY:

PRELIMINARY

C3.0





MATCH LINE (SEE SHEET C3.0)

L=68.5

L=58.9' SL=0.0037

OUTLET TO EXISTING DITCH -

12" IE OUT = 39.00

10

12" HDPE

SL=0.0050

12" HDPE L=27.1'

SL=0.0050

∕12" PERF HDPE−

ROAD STUB TO FACILITATE

18" IE OUT = 44.76

BB11

SL=0.0035

L=9.9'

12" HDPE

SL=0.0050

L=6.0' SL=0.0020

L=27.0'

L=55.8'

SL=0.0050

L=8.5' **19** SL=0.0050

11

18" HDPE L=125.0' SL=0.0034 ROAD E

L=12.0' SL=0.0050

-12" PERF HDPE

L = 101.5'

L=34.5'

SL=0.0040

-12" HDPE

L=79.9' SL=0.0333

SL=0.0030

AD3

12" HDPE

12" HDPE -L=88.6' SL=0.0020

12" HDPE

 $\langle AD5 \rangle$ 

12" HDPE

SL=0.0020

AD7

L=90.4'

12" HDPE

L=153.2'

12" IE OUT = 40.16

SL=0.0020

L=5.0' SL=0.0000

L=5.0' SL=0.0000 15

COMBINATION CURB -

13

12

L=307.5'

RAMP, TYP

AD6

FINISH GRADE

INFILTRATION TRENCH SECTION
NO SCALE

PRELISTERED SONAL

3/27/2025

2)

**TORM PLAN (PHASE** 

SUBDIVISION TON

5. INSTALL INFILTRATION TRENCH PER DETAIL BELOW

REVISIONS:

 JOB NO.:
 18591

 DATE:
 3/27/2025

 SCALE: H: 1" = 30'
 V: N/A

 DESIGNED BY:
 PJM

 DRAWN BY:
 PJM

 CHECKED BY:
 TAW

**PRELIMINARY** 

C3.1

AC PAVEMENT SECTIONS

RESIDENTIAL

LOCAL ACCESS

3"

12"

PAVEMENT SECTIONS SHOWN ARE

PROVIDED BY COLUMBIA WEST

ENGINEERING DURING MASTER PLANNING PROCESS AND ARE BASED ON THE PROJECT GEOTECHNICAL REPORT, DATED MARCH 30, 2023. FINAL PAVEMENT SECTIONS FOR PUBLIC AND

PRELIMINARY RECOMMENDATIONS AS

PRIVATE ROADWAYS WITHIN LOTC
SHALL BE DESIGNED AND APPROVED
BY A LICENSED PROFESSIONAL
GEOTECHNICAL ENGINEER PRIOR TO
FINAL PERMIT APPROVAL.

THICKNESS

# OF AC LIFTS

CRUSHED SURFACING BASE COURSE DEPTH

NOTE:

SUBGRADE DEPTH

PRIVATE

TRACTS

12"

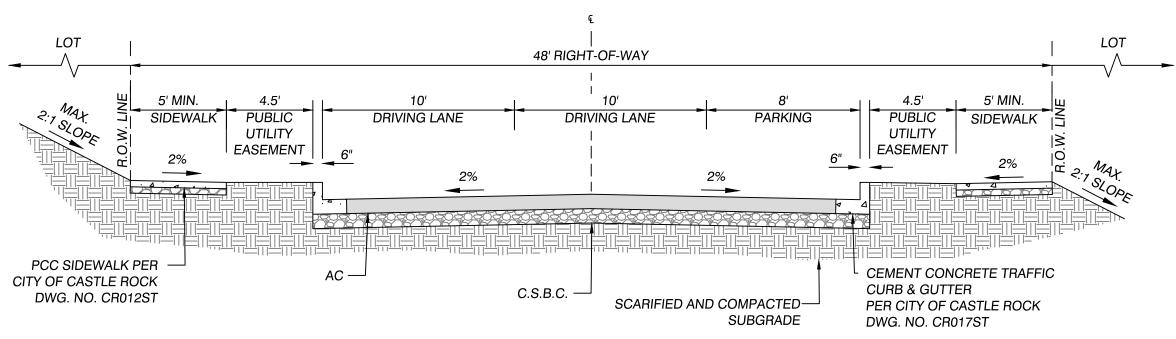
3/27/2025

THE LANDING SUBDIVISION ROCK, WASHINGTON

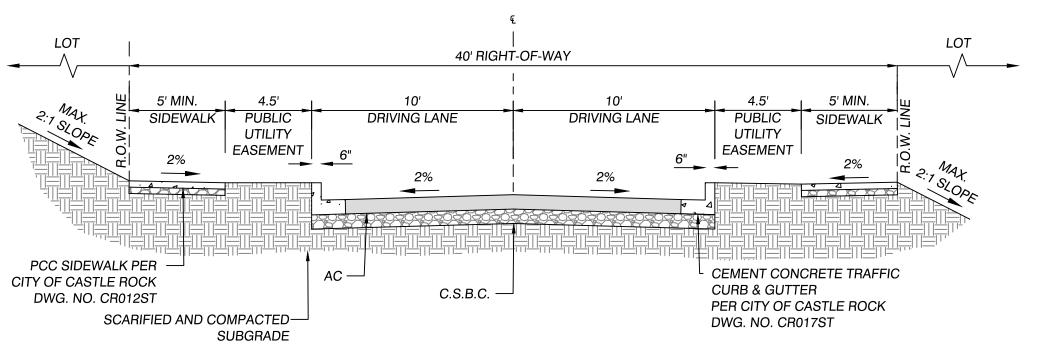
JOB NO.: 18591 DATE: 3/27/2025 SCALE: H: 1'' = 5' V: N/A DESIGNED BY: DRAWN BY:

PRELIMINARY

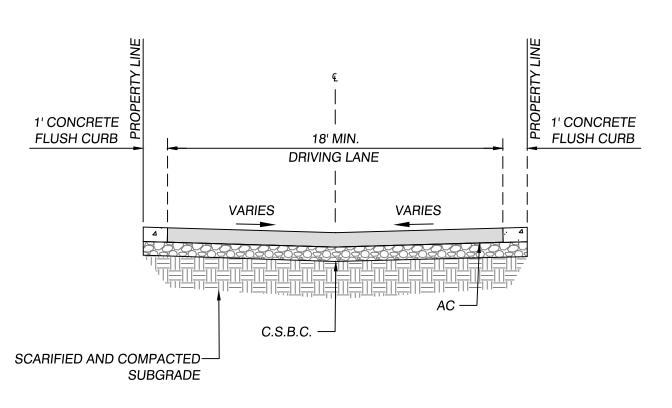
CHECKED BY:



SECTION A-A - RESIDENTIAL LOCAL ACCESS ROADWAY SECTION



SECTION B-B - SUBDIVISION ENTRANCE ROADWAY SECTION



SECTION C-C - PRIVATE TRACT SECTION

MacKay Sposito
RGY PUBLIC WORKS LAND DEVELOPMENT



3/27/2025

: AT THE LANDING SUBDIVISION STLE ROCK, WASHINGTON

REVISIONS:

JOB NO.: 18591
DATE: 3/27/2025

 DATE:
 3/27/2025

 SCALE:
 H: 1" = 30'
 V: 5:1

 DESIGNED BY:
 PJM

 DRAWN BY:
 PJM

 CHECKED BY:
 TAW

PRELIMINARY

C3.3

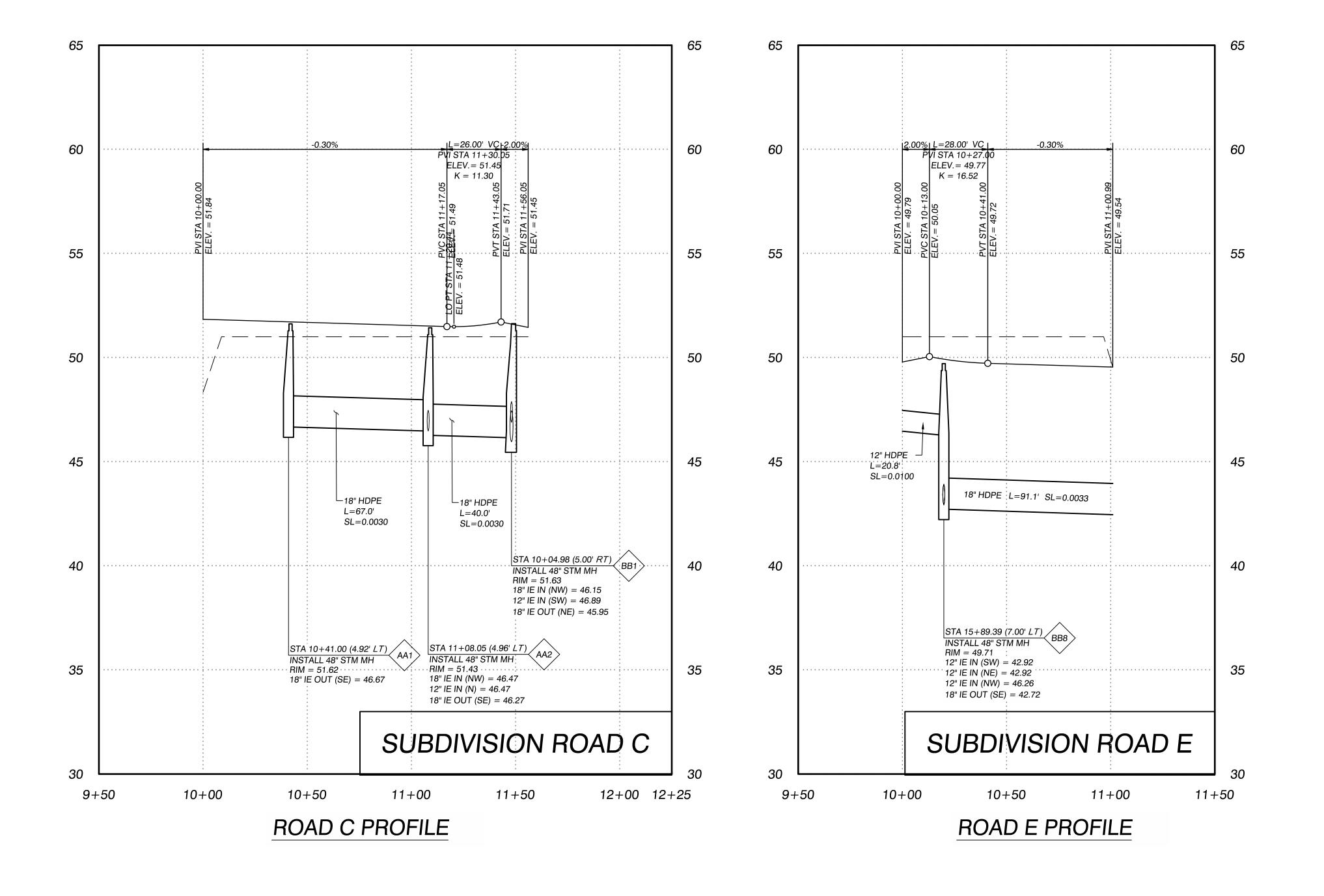
THE LANDING SUBDIVISION ROCK, WASHINGTON STREET AND

**REVISIONS:** 

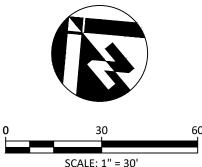
JOB NO.: 18591 DATE: 3/27/2025 SCALE: H: 1" = 30' V: 5:1 DESIGNED BY: DRAWN BY:

**PRELIMINARY** 

C3.4



CHECKED BY:



### CITY OF CASTLE ROCK STD. WATER DETAIL SHEETS

CR004W FIRE HYDRANT

CR012W CONNECTION TO EXISTING MAIN
CR019W TRENCH - PAVEMENT RESTORATION

# CITY OF CASTLE ROCK STD. SANITARY SEWER DETAIL SHEETS

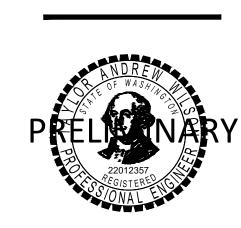
CR001SS TYPE 1 MANHOLE
CR003SS MANHOLE COLLAR

CR006SS CLEANOUT
CR008SS SEWER AIR RELEASE ASSEMBLY

### UTILITY NOTES:

- PROPOSED SANITARY FORCE MAIN SHALL BE GREEN COLORED AS REQUIRED BY CITY OF CASTLE ROCK.
- ALL UTILITIES WILL CONFORM WITH CITY OF CASTLE ROCK AND WSDOT STANDARDS.
- 3. SEE SHEET C6.4 FOR SANITARY SEWER EXHIBIT OF THE FULL LOTC DEVELOPMENT. PROPOSED SANITARY SEWER DEPTH IS CONTROLLED BY THE ULTIMATE LAYOUT.

MacKay Sposito



3/27/2025

WER AND WATER PLAN (PHAS

REVISIONS:

 JOB NO.:
 18591

 DATE:
 3/27/2025

 SCALE: H: 1" = 30'
 V: N/A

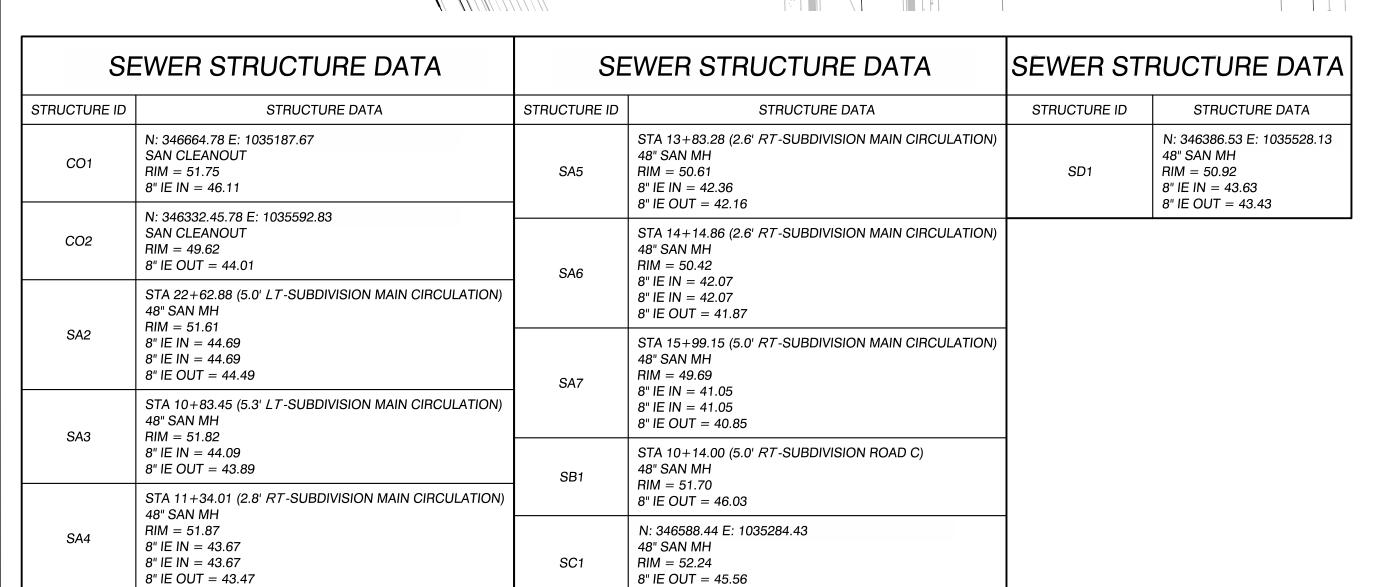
 DESIGNED BY:
 PJM

 DRAWN BY:
 PJM

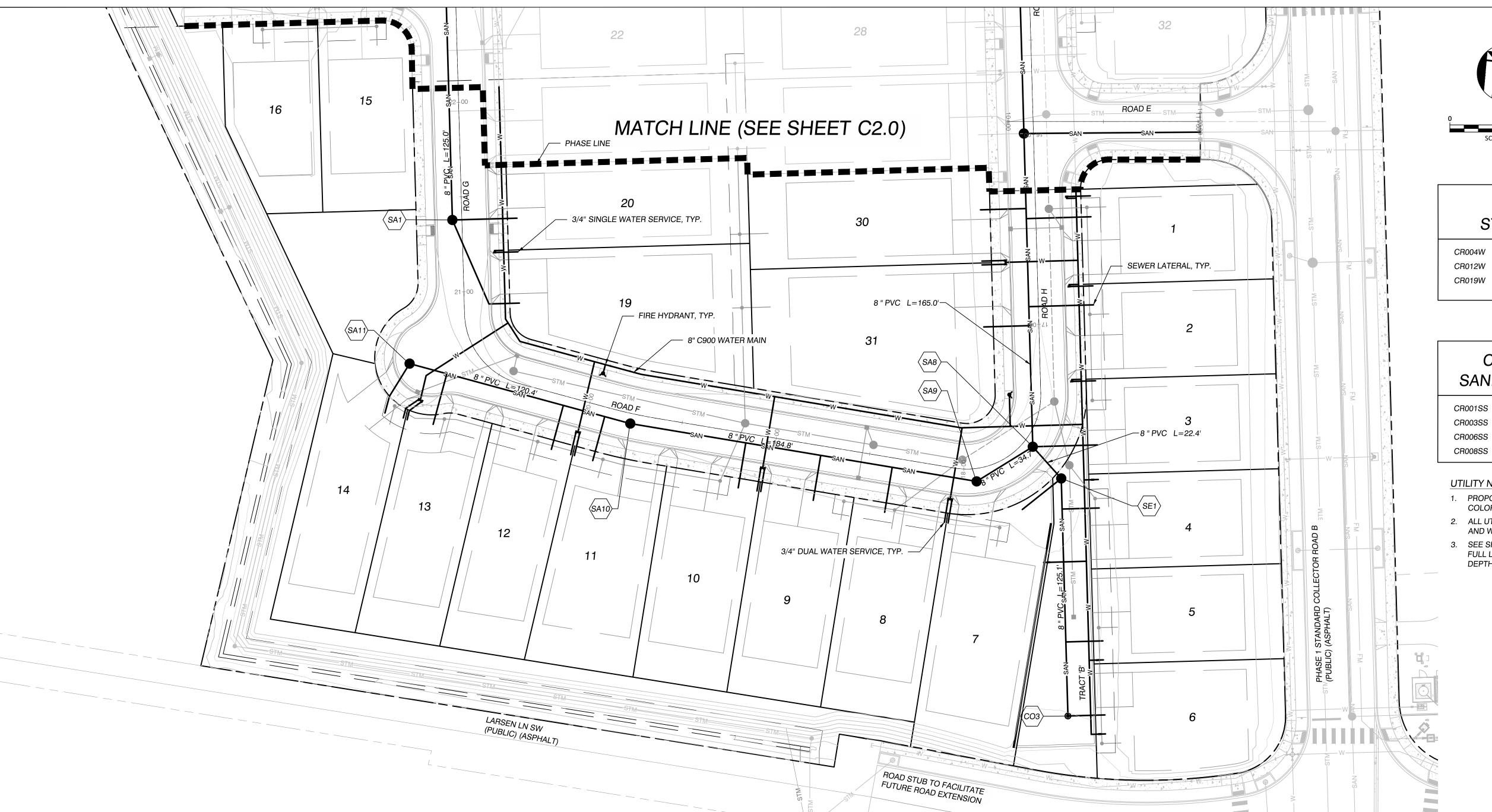
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 TAW

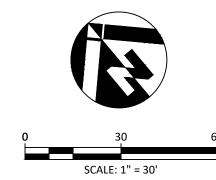
**PRELIMINARY** 

C4.0



8" IE OUT = 45.36





### CITY OF CASTLE ROCK STD. WATER DETAIL SHEETS

FIRE HYDRANT

CONNECTION TO EXISTING MAIN TRENCH - PAVEMENT RESTORATION

### CITY OF CASTLE ROCK STD. SANITARY SEWER DETAIL SHEETS

CR001SS TYPE 1 MANHOLE CR003SS | MANHOLE COLLAR

CR006SS | CLEANOUT CR008SS | SEWER AIR RELEASE ASSEMBLY

### **UTILITY NOTES:**

1. PROPOSED SANITARY FORCE MAIN SHALL BE GREEN COLORED AS REQUIRED BY CITY OF CASTLE ROCK.

- 2. ALL UTILITIES WILL CONFORM WITH CITY OF CASTLE ROCK AND WSDOT STANDARDS.
- 3. SEE SHEET C6.4 FOR SANITARY SEWER EXHIBIT OF THE FULL LOTC DEVELOPMENT. PROPOSED SANITARY SEWER DEPTH IS CONTROLLED BY THE ULTIMATE LAYOUT.

THE LANDING SUBDIVISION ROCK, WASHINGTON

3/27/2025

2)

PLAN (PHASE

**REVISIONS:** 

JOB NO.:	18591
DATE:	3/27/2025
SCALE: H: 1" = 30	)' V: N/A
DESIGNED BY:	PJM
DRAWN BY:	PJM
CHECKED BY:	TAW

PRELIMINARY

SEWER STRUCTURE DATA SEWER STRUCTURE DATA STRUCTURE ID STRUCTURE DATA STRUCTURE ID STRUCTURE DATA STA 19+76.62 (5.3' LT-SUBDIVISION MAIN CIRCULATION) N: 3459.72.81 E: 1035205.82 SAN CLEANOUT 48" SAN MH RIM = 50.73RIM = 50.028" IE IN = 44.21 8" IE OUT = 44.33 8" IE OUT = 44.01 STA 21+37.89 (5.0' LT-SUBDIVISION MAIN CIRCULATION) STA 20+74.42 (34.1' LT-SUBDIVISION MAIN CIRCULATION) 48" SAN MH RIM = 51.2248" SAN MH RIM = 50.428" IE OUT = 45.25 8" IE OUT = 44.75 STA 17+62.93 (5.2' LT-SUBDIVISION MAIN CIRCULATION) 48" SAN MH N: 346071.04 E: 1035283.31 RIM = 50.1048" SAN MH RIM = 50.538" IE IN = 42.82 8" IE IN = 42.82 8" IE IN = 43.77 8" IE OUT = 43.57 8" IE OUT = 42.62 STA 17+93.81 (6.8' LT-SUBDIVISION MAIN CIRCULATION) 48" SAN MH RIM = 50.16 8" IE IN = 43.18 8" IE OUT = 42.98



THE LANDING SUBDIVISION ROCK, WASHINGTON AND

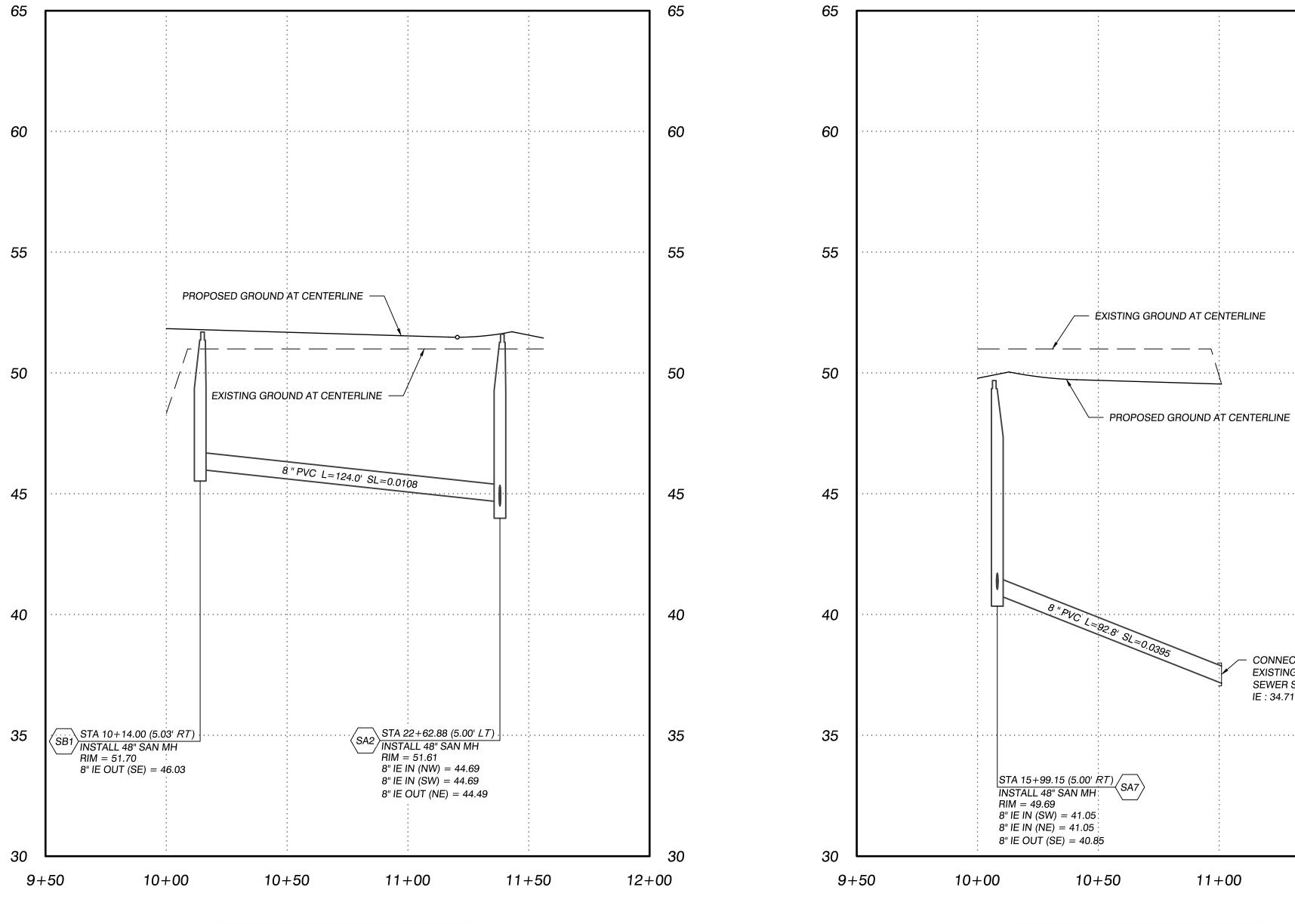
**REVISIONS:** 

JOB NO.: 18591 DATE: 3/27/2025 SCALE: H: 1" = 30' V: 5:1 **DESIGNED BY:** 

PRELIMINARY

DRAWN BY: CHECKED BY:

C4.3



ROAD E PROFILE

- CONNECT TO EXISTING SEWER STUB

35

11+50

IE: 34.71

ROAD C PROFILE



ATION SEWER PROFILE

THE LANDING SUBDIVISION ROCK, WASHINGTON

**REVISIONS:** 

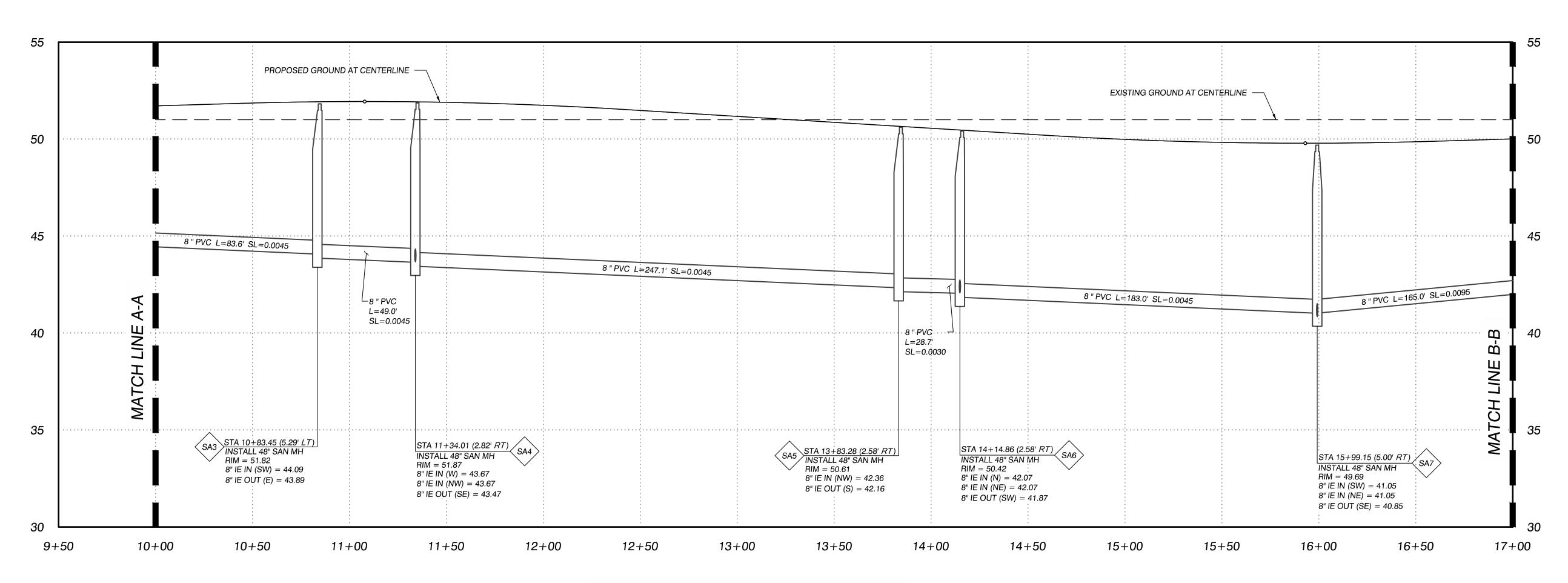
18591

JOB NO.: DATE: 3/27/2025 SCALE: H: 1" = 30' V: 5:1 **DESIGNED BY:** DRAWN BY: CHECKED BY:

PRELIMINARY

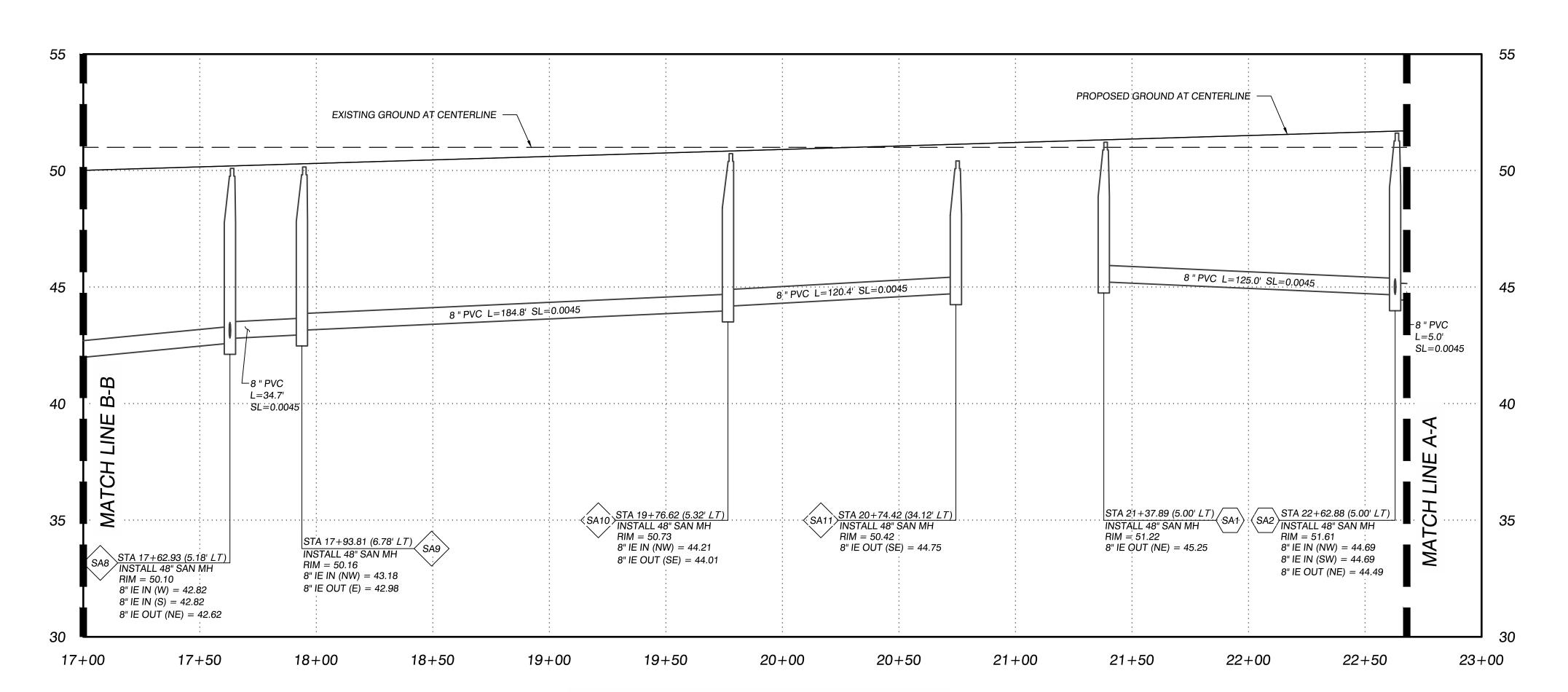
NOTE: THIS ROAD IS A LOOP AND THE PROFILES CONNECT ON EITHER SIDE. STATION 10+00 STARTS NEAR THE INTERSECTION OF ROAD C

ALIGNMENT.



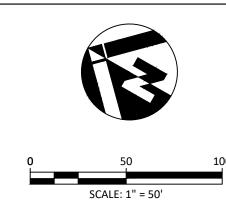
### MAIN CIRCULATION PROFILE

STA 10+00 - STA 17+00

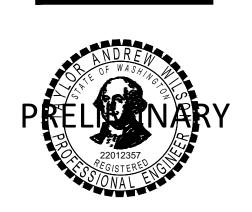


MAIN CIRCULATION PROFILE

STA 17+00 - STA 22+67.91







MASTER PHASING PLAN

THE LANDING SUBDIVISION ROCK, WASHINGTON

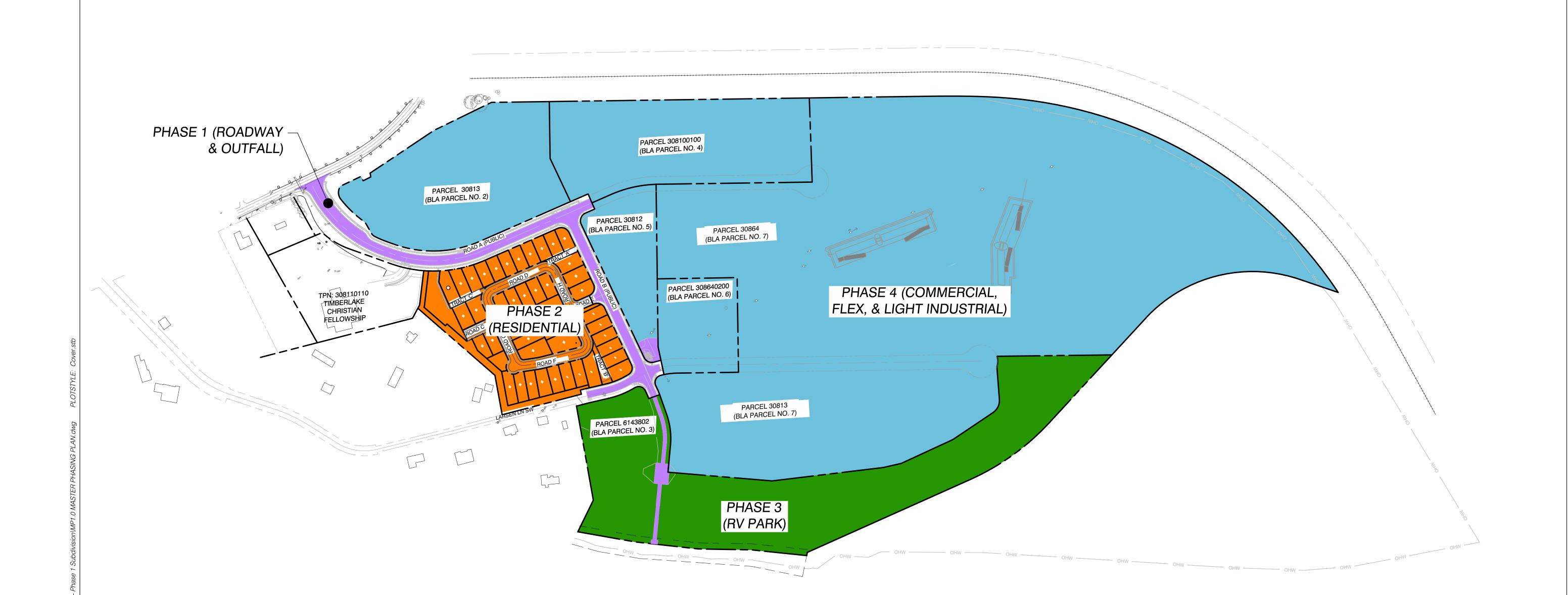
**PRELIMINARY** 

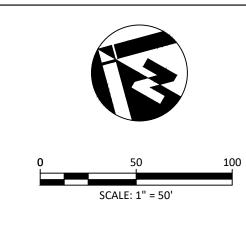
JOB NO.: DATE: 3/27/2025 SCALE: H: 1" = 200' V: N/A DESIGNED BY:

PRELIMINARY

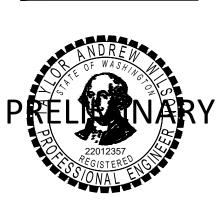
DRAWN BY: CHECKED BY:

MP1.0









MASTER SIGNAGE PLAN

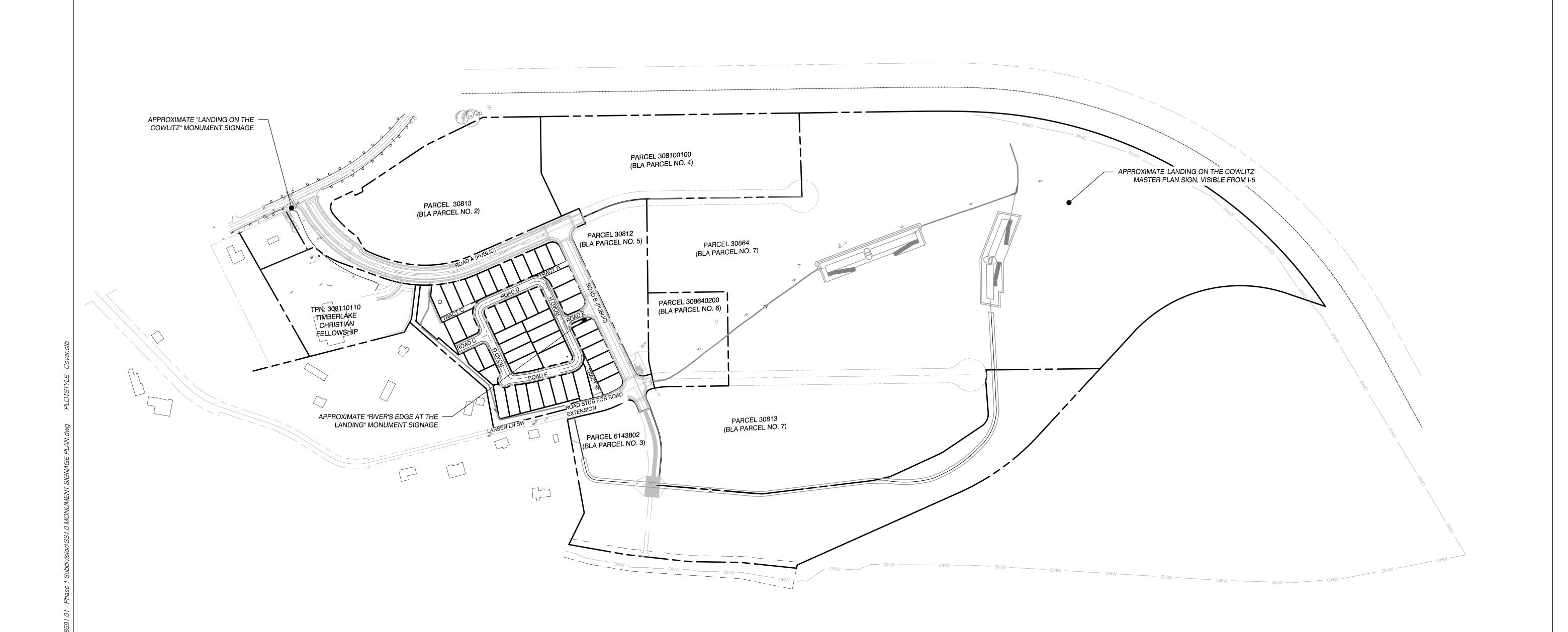
THE LANDING SUBDIVISION ROCK, WASHINGTON

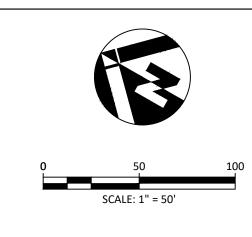
**REVISIONS:** 

JOB NO.:	18591
DATE: 3/	27/2025
SCALE: H: 1" = 200'	V: N/A
DESIGNED BY:	PJM
DRAWN BY:	PJM
CHECKED BY:	TAW

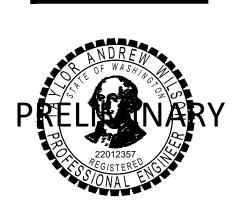
PRELIMINARY

MP1.1









PRELIMINARY MASTER PARKS, RECREATION, AND OPEN SPACE PLAN

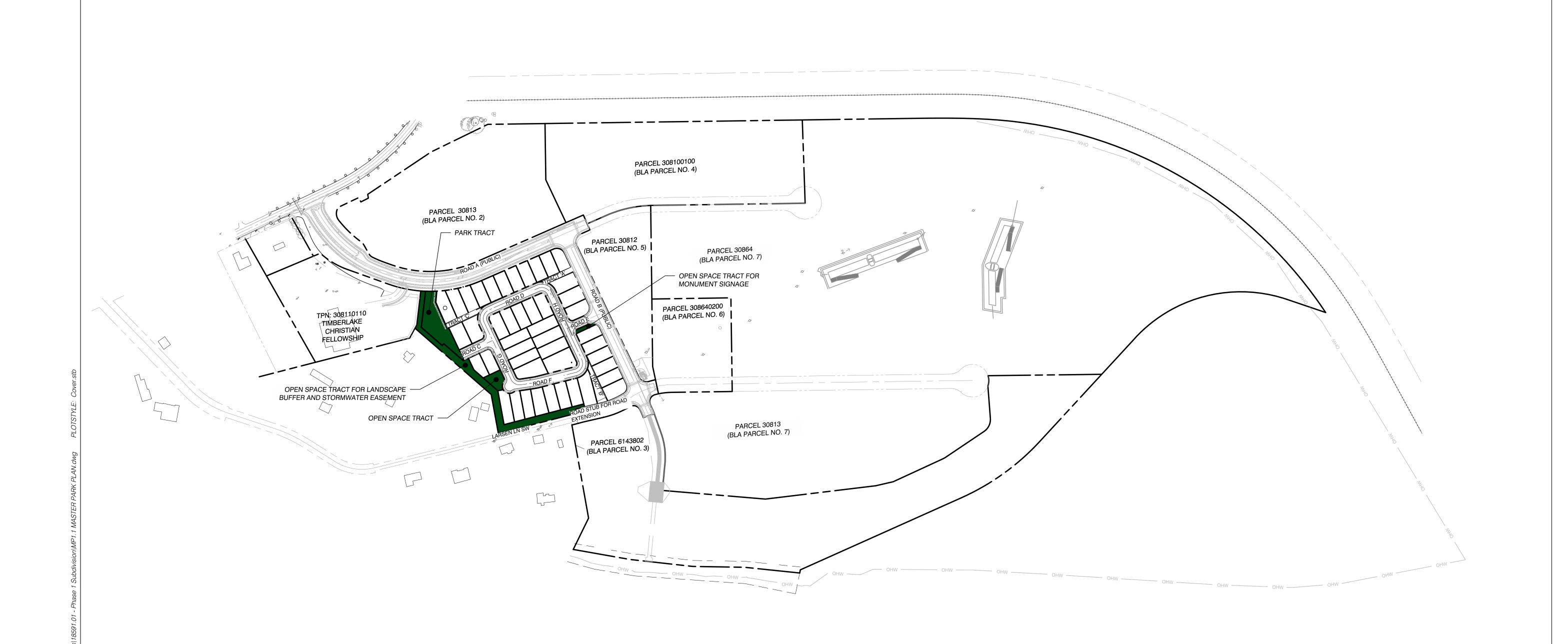
THE LANDING SUBDIVISION ROCK, WASHINGTON

REVISIONS:

JOB NO.:	18591
DATE:	3/27/2025
SCALE: H: 1" = 20	0' V: N/A
DESIGNED BY:	PJM
DRAWN BY:	PJM
CHECKED BY:	TAW

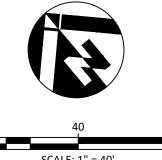
PRELIMINARY

MP1.2





Vertical Loop Climber, 6', Model 67636, American Parks Co.



SYMBOL	BOTANICAL / COMMON NAME	SPACING	QTY	SIZE
TREES				
	ZELKOVA SERRATA 'CITY SPRITE' / CITY SPRITE ZELKOVA	30' O.C.	46	2" CAL.
	ACER RUBRUM 'FRANKSRED' / RED SUNSET MAPLE	30' O.C.	5	2" CAL.
	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE' / AUTUMN BRILLIANCE SERVICEBERRY	20' O.C.	7	1.5" CAL.
SYMBOL	BOTANICAL / COMMON NAME	SPACING	QTY	SIZE
SHRUBS	CORNUS SERICEA 'ARCTIC FIRE RED'/ ARCTIC FIRE RED REDTWIG DOGWOOD	3' O.C.	20	2 GAL.
	VACCINIUM OVATUM/ EVERGREEN HUCKLEBERRY	3' O.C.	42	2 GAL.
	SPIREA JAPONICA / JAPANESE SPIREA	5' O.C.	2	3 GAL.
•	AMELANCHIER UTAHENSIS / WESTERN SERVICEBERRY	15' O.C.	18	3 GAL.
<del>1</del> +>	ARCTOSTAPHYLOS GLAUCA / BIG BERRY MANZANITA	15' O.C.	13	3 GAL.
	PYRACANTHA AUGUSTIFOLIA 'YUKON BELLE' / NARROWLEAF FIRETHORN	8' O.C.	20	3 GAL.
$\bigcirc$	JUNIPERUS CHINENSIS 'FAIRVIEW' / CHINESE JUNIPER	5' O.C.	34	5 GAL.
	CEANOTHUS INTEGERRIMUS / DEERBRUSH	6' O.C.	16	3 GAL.
SYMBOL	BOTANICAL / COMMON NAME	SPACING	<u>QTY</u>	SIZE
GROUND COVERS	RUBUS CALYCINOIDES 'EMERALD CARPET' /	24" O.C.	5,200 SF	1 GAL.
	EMERAL CARPET RUBUS ARCTOSTAPHYLOS UVA-URSI 'MASSACHUSETTS' / BEARBERRY	24" O.C.	3,100 SF	1 GAL.
	WALDSTEINIA FRAGARIOIDES / BARREN STRAWBERRY	18" O.C.	600 SF	1 GAL.
	LAWN - SEEDED/SOD/HYDROSEED OREGON RYEGRASS BLEND		30,400 SF	

### LANDSCAPE GENERAL NOTES

- Installation shall fully comply with all landscape code requirements and any City of Castle Rock conditions of approval.

  Irrigation shall be provided by a fully automatic underground system

- design/build by the landscape contractor.

  All landscaping shall be installed in a sound workman—like manner, and according to accepted good planting procedures with quality plant materials. The proposed stormwater facilities are bioretention features integrated with the right—of—way, and will be planted by others according to Dept. of Ecology standards.

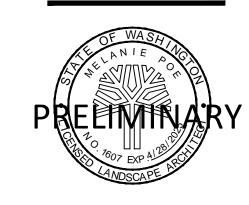
  All existing vegetation shall be removed from areas to receive construction
- Planting beds are to be sufficiently cleaned of all construction materials,

- including imported rock, to the satisfaction of the Owner's Representative before beginning any landscape work.

  All vegetation to be well rooted and well branched.

  All plant material shall be nursery grown and meet ANSI standards.

  Quantities indicated are for the convenience of the contractor only. Install number of plants as drawn. Contractor responsible for installing plants in quantities and locations shown.
  - Contractor shall verify species and quantities of all plant material prior to
- Plants shall be spaced as indicated in the Landscape Legend unless otherwise shown on the plan. If a discrepancy exists, the plan shall
- Use triangular spacing for all groundcover unless noted otherwise. See Detail
- The owner, or his agent, shall be responsible for the maintenance of all landscaping which shall be maintained in good condition so as to present a healthy, neat, and orderly appearance, and shall be kept free from refuse and debris.
- See Sheet L1.1 for Planting Details.
  See Sheet L1.1 for Planting Specifications.
  See Sheet L1.2 for Irrigation Specifications.



3/20/2025

RY LANDSCAPE PLAN THE LANDING SUBDIVISION

PRELIMINAF /ER'S EDGE AT T

LANDING CASTLE

JOB NO.: 18591.01 DATE: 3/20/2025 SCALE: H: 1" = 40' V: N/A DESIGNED BY: MCP MCP DRAWN BY: CHECKED BY:

PRELIMINARY

R Z

SEE PLANT SCHEDULE FOR EACH PLANTS

APPROPRIATE O.C. SPACING.

TRIANGULAR SPACE, AT SPECIFIED O.C.

DISTANCE

1/2 OF THE O.C. SPACING

5 GROUNDCOVER SPACING
Not to scale

— PLANT CENTER

PRELIMINARY

PLANTING SPECIFICATIONS PART 1 – GENERAL 1.1 SUMMARY A. Section Includes: 1. Plants 2. Planting soils 3. Tree stabilization

5. Tree Wrap 1.2 ESTABLISHMENT AND WARRANTY PERIOD REQUIREMENTS A. All plant materials shall be maintained in a healthy condition until the end of the Establishment, Maintenance and Warranty Period. Establishment and Maintenance period is for one year and is initiated by substantial completion compliance. Replace dead and unhealthy plants immediately.

B. All plant materials and equipment replaced under warranty shall be replaced in accordance with all provisions of the Contract Documents. Plant material shall be of the same variety, size, and quantity as originally installed. 1. Owner reserves the right to inspect plant materials replaced under warranty and reject those which do not conform to specified

1.3 SUBMITTALS A. Product Data: For each type of product indicated, including soils.

1. Plant Materials: Include quantities, sizes, quality, and sources for plant materials 2. Pesticides and Herbicides: Include product label and manufacturer's application instructions specific to the Project Tree Stabilization Materials

4. Tree Wrap 5. Imported Planting Soil

4. Root Barrier

6. Bark Mulch B. Samples for Verification: For each of the following:

1. Bark Mulch: 1-quart volume of each mulch required; in sealed plastic bags labeled with composition of materials by percentage of weight and source of mulch. Each Sample shall be typical of the lot of material to be furnished; provide an accurate representation of color, texture, and organic makeup. 2. Root Barrier

1.4 PROJECT CONDITIONS A. Field Measurements: Verify actual grade elevations, service and utility locations, irrigation system components, and dimensions of plantings and construction contiguous with new plantings by field measurements before proceeding with planting work.

A. Warranty: Installer agrees to repair or replace plantings and accessories that fail in materials, workmanship, or growth within specified warranty period.

1. Failures include, but are not limited to, the following: a. Death and unsatisfactory growth, except for defects resulting from abuse, lack of adequate maintenance, or neglect by Owner, or

b. Structural failures including plantings falling or blowing over. c. Faulty performance of tree stabilization 2. Warranty Periods from Date of Substantial Completion: a. Trees, Shrubs, and Ornamental Grasses: 12 months. b. Ground Covers and Other Plants: 12 months.

incidents that are beyond Contractor's control.

3. Include the following remedial actions as a minimum: a. Immediately remove dead plants and replace unless required to plant in the succeeding planting season.

b. Replace plants that are more than 25 percent dead or in an unhealthy condition at end of warranty period. c. A limit of one replacement of each plant will be required except for losses or replacements due to failure to comply with requirements.

d. Provide extended warranty for period equal to original warranty period, for replaced plant material. 1.6 MAINTENANCE SERVICE

A. Initial Maintenance: Provide maintenance by skilled employees of landscape Installer. Maintain as required in Part 3. Begin maintenance immediately after plants are installed and continue until plantings are acceptably healthy and well established but for not less than maintenance period below. 1. Maintenance Period: 12 months from date of Substantial Completion.

PART 2 - PRODUCTS 2.1 PLANT MATERIAI

A. General: Furnish nursery—grown plants true to genus, species, variety, cultivar, stem form, shearing, and other features indicated in Plant Schedule or Plant Legend shown on Drawings and complying with ANSI Z60.1; and with healthy root systems developed by transplanting or root pruning. Provide well-shaped, fully branched, healthy, vigorous stock, densely foliated when in leaf and free of disease, pests, eggs, larvae, and defects such as knots, sun scald, injuries, abrasions, and disfigurement. 2.2 ORGANIC SOIL AMENDMENTS

A. Compost: Well-composted, stable, and weed-free organic matter, pH range of 5.5 to 8; moisture content 35 to 55 percent by weight; 100 percent passing through 3/4-inch (19-mm sieve; soluble salt content of 5 to 10 decisiemens/m; not exceeding 0.5 percent inert contaminants and free of substances toxic to plantings; and as follows:

1. Organic Matter Content: 50 to 60 percent of dry weight. 2.3 FERTILIZERS

A. Planting Tablets: Tightly compressed chip type, long-lasting, slow-release, commercial-grade planting fertilizer in tablet form. Tablets shall break down with soil bacteria, converting nutrients into a form that can be absorbed by plant roots. 1. 20-10-5 slow release plant tablets, 10 gram size. Agriform or equal.

A. Imported Planting Soil ASTM D 5268 topsoil, with pH range of 5.5 to 7, a minimum of 30 percent organic material content; free of stones 1 inch (25 mm) or larger in any dimension and other extraneous materials harmful to plant growth. Mix ASTM D 5268 topsoil with the following soil amendments in the following quantities to produce planting soil:

1. Mix Compost to Topsoil by Volume: 1:4. Shall be pre mixed prior to delivery. 2.5 MULCHES A. Bark Mulch: Provide standard, commercially produced, medium—course, dark brown, bark mulch. Bark shall be ground Fir or Hemlock bark of uniform color, free from weeds, seed, sawdust, splinters and shall not contain resin, tannin or other compounds detrimental to plant life. All

materials shall pass a 1-inch mesh screen. A. General: Pesticide registered and approved by EPA, acceptable to authorities having jurisdiction, and of type recommended by manufacturer for each specific problem and as required for Project conditions and application. Do not use restricted pesticides unless authorized in writing

by authorities having jurisdiction B. Pre-Emergent Herbicide (Selective and Non-Selective): Effective for controlling the germination or growth of weeds within planted areas at the soil level directly below the mulch layer.

C. Post-Emergent Herbicide (Selective and Non-Selective): Effective for controlling weed growth that has already germinated.

2.7 TREE STABILIZATION MATERIALS A. Stakes and Guys: See drawings for materials and instruction.

2.8 TREE WRAP A. Corrugated or crepe paper, designed specifically to resist insect infestation and sun scald.

PART 3 – EXECUTION

A. Examine areas to receive plants for compliance with requirements and conditions affecting installation and performance. 1. Verify that no foreign or deleterious material or liquid such as gravel, paint washout, concrete slurry, concrete layers or chunks, cement, plaster, oils, gasoline, diesel fuel, paint thinner, turpentine, tar, roofing compound, or acid has been deposited in soil within a planting

2. Do not mix or place soils in frozen, wet, or muddy conditions. 3. Suspend soil spreading, grading, and tilling operations during periods of excessive soil moisture until the moisture content reaches acceptable levels to attain the required results.

4. Uniformly moisten excessively dry soil that is not workable and which is too dusty.

B. Proceed with installation only after unsatisfactory conditions have been corrected. C. If contamination by foreign or deleterious material or liquid is present in soil within a planting area, remove the soil and contamination as directed by Architect and replace with new planting soil.

A. Protect structures, utilities, sidewalks, pavements, and other facilities and turf areas and existing plants from damage caused by planting

A. Locate all planting beds in field. Flag planting beds with white field—marking chalk or approved equal. All planting beds to be adjusted and approved by Owner's Representative prior to plant location. B. Over excavate all shrub and tree planting beds to a depth of 12". Protect in place existing gravel base integrity for walks and curbs. Remove

excavations from site and dispose at contractor's expense. Install root control barriers prior to backfilling. C. Loosen subgrade of planting areas to a minimum depth of 6 inches depth. Remove stones larger than 1 inch (25 mm in any dimension and sticks, roots, rubbish, and other extraneous matter and legally dispose of them off Owner's property.

1. Spread planting soil in 4 -6 inches lifts but not less than required to meet finish grades after natural settlement. 2. Mix thoroughly into top 4 inches of subgrade. Spread remainder of planting soil.

D. Finish Grading: Grade planting areas to a smooth, uniform surface plane with loose, uniformly fine texture. Roll and rake, remove ridges, and fill depressions to meet finish grades.

E. Before planting, obtain owners representative's acceptance of finish grading; restore planting areas if eroded or otherwise disturbed after finish

3.4 EXCAVĂTION FOR TREES AND SHRUBS A. Planting Pits and Trenches: Excavate circular planting pits with sides sloping inward at a 45—degree angle. Excavations with vertical sides are not acceptable. Trim perimeter of bottom leaving center area of bottom raised slightly to support root ball and assist in drainage away from center. Do not further disturb base. Ensure that root ball will sit on undisturbed base soil to prevent settling. Scarify sides of planting pit smeared or smoothed during excavation.

B. Drainage: Notify Architect if subsoil conditions evidence unexpected water seepage or retention in tree or shrub planting pits. 3.5 TREE AND SHRUB PLANTING

3.3 PLANTING AREA ESTABLISHMENT

A. The Owner's Representative will approve individual plant material and location of plant material prior to installation. B. Before planting, verify that root flare is visible at top of root ball according to ANSI Z60.1. If root flare is not visible, remove soil in a level manner from the root ball to where the top-most root emerges from the trunk. After soil removal to expose the root flare, verify that root ball still meets size requirements.

Provide slow release—fertilizer tablets during backfill at the following rates. Locate plant tablets 1 inch from roots and at mid—depth. Space

1 Gallon Shrub = 1 Tablet

A. Mulch finish grade surfaces of planting areas and other areas indicated. Bark mulch in Planting Areas: Apply 3—inch average thickness of bark mulch, and finish level with adjacent finish grades.

Bark mulch shall be a minimum of 6-inches from tree trunks and 3-inches from shrub crowns. 3.8 WRAPPING

A. Deciduous trees over 1-1/2 inch caliper when within five feet of pavement shall be wrapped promptly after planting to prevent sunscald, wrapping as approved by American Association of Nurserymen. Wrap spirally from ground line to the height of the first branch. Wrap in neat and snug manner and secure with tape similarly colored to tree wrap at bottom, top and in the middle. Wrap before staking or guying. 3.9 PLANT MAINTENANCE

Maintain plants after written notice of Substantial Completion of the Project. If plants are not installed before the dormant period. November 15th to March 1st, maintain for a period of 90 days after the dormant period or until Final Acceptance, whichever is later.

Inspect plants at least once a week and perform maintenance promptly. Maintain trees, shrubs and ground covers by watering, pruning, spraying, cultivating, and weeding as required for healthy growth. Water when soil moisture is below optimum level for best plant growth.

Remove and replace impaired or dead plants promptly during specified planting season.

Tighten and repair stake and guy supports and reset trees and shrubs to proper grades or vertical position as required. Eradicate all weeds, grass, and other undesired vegetation growth from planting areas. Remove dead weeds and dispose legally off—site. Remove all perennial weeds completely, including all underground parts. Restore all soil settlement to original grade

B. Replace mulch materials damaged or lost in areas of subsidence

2 Gallon Shrub = 2 tablet

3 Gallon Shrub = 2 Tablet

5 Gallon Shrub = 3 Tablet

3.7 PLANTING AREA MULCHING

C. Fertilizing: Perform as necessary to maintain cover crop in a healthy growing condition. Fertilize trees, shrubs and ground cover once at the end of the Maintenance Period.

2. In March, within the first growing season, fertilize all planting areas with 1 application of each of the maintenance fertilizers, at the rate of 7 pounds per 1,000 square feet of soil surface.

3.10 PESTICIDE APPLICATION A. Apply pesticides and other chemical products and biological control agents in accordance with authorities having jurisdiction and manufacturer's written recommendations. Coordinate applications with Owner's operations and others in proximity to the Work. Notify Owner before each

B. Pre-Emergent Herbicides (Selective and Non-Selective): Apply to tree, shrub, and ground-cover areas in accordance with manufacturer's

written recommendations C. Post-Emergent Herbicides (Selective and Non-Selective): Apply only as necessary to treat already-germinated weeds and in accordance with manufacturer's written recommendations.

3.11 CLEANUP AND PROTECTION A. During planting, keep adjacent paving and construction clean and work area in an orderly condition.

B. Protect plants from damage due to landscape operations and operations of other contractors and trades. Maintain protection during installation and maintenance periods. Treat, repair, or replace damaged plantings.

C. After installation and before Substantial Completion, remove nursery tags, nursery stakes, tie tape, labels, wire, burlap, and other debris from plant material, planting areas, and Project site.

3.12 ACCEPTANCE A. Substantial Completion:

at no additional cost to the Owner.

DECIDUOUS TREE PLANTING
Not to scale

2 EVERGREEN TREE PLANTING
Not to scale

GUY WIRE -2X2X36", TYP. -

WOODEN STAKE,

1. Notify the Owner's Representative in writing of the completion of planting.

2. Within 10 days after notification of completion of Work, the Owner's Representative will inspect the Work in the presence of the Contractor and the Owner, and prepare a Notice of Substantial Completion, along with a list of items that require completion and correction (i.e., Punch List).

3. Notice of Substantial Completion constitutes the commencement of the Maintenance Period. B. Final Acceptance:

1. The final inspection of all planting will be made by the Owner, Owner's Representative in the presence of the Contractor, following completion and correction of all items on the Punch List, and prior to the expiration of the Maintenance Period.

2. Before Final Acceptance will be granted, the site must be in the condition stipulated all correction items on the Punch List completed to the satisfaction of the Owner and Owner's Representative. 3. If Final Acceptance is not granted at the end of the Maintenance Period, continue maintaining plantings until Final Acceptance is granted,

PLASTIC CHAIN TIE - \* STAKE -- ROOT BALL BARK MULCH - BACKFILL FINISH GRADE . ROOTBALL CROWN TO BE FLUSH WITH FINISH GRADE. 2. REMOVE PLANT FROM CONTAINER OR REMOVE TWINE AND BURLAP FROM TOP 1/2 OF ROOT BALL. 3. WHEN PLANTING ON A SLOPE FINISH GRADE SHALL MATCH PREVIOUS GRADE EXCEPT IN AREAS OF COMPACTED FILL AND TOP OF

- ROOT BALL

BARK MULCH

FINISH GRADE

FINISH GRADE.

1. ROOTBALL CROWN TO BE FLUSH WITH

2. REMOVE PLANT FROM CONTAINER OR

REMOVE TWINE AND BURLAP FROM TOP 1/2

3. WHEN PLANTING ON A SLOPE FINISH GRADE

AREAS OF COMPACTED FILL AND TOP OF

4. USE THREE WOODEN STAKES PER TREE,

EQUALLY SPACED, PROVIDE RUBBER

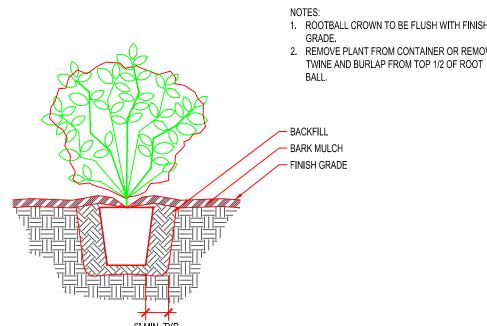
YEAR FROM PLANTING.

SHALL MATCH PREVIOUS GRADE EXCEPT IN

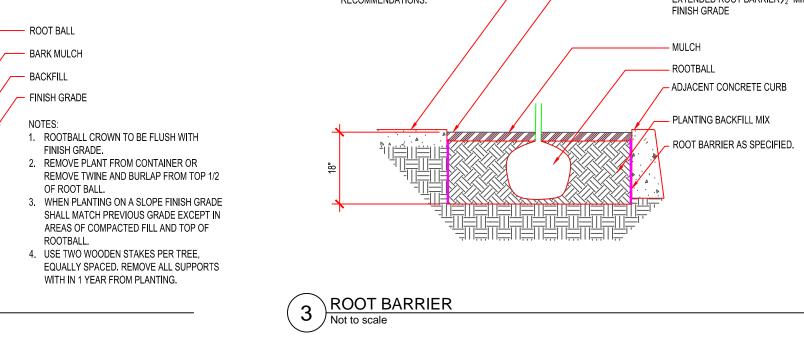
COLLAR TO PREVENT INJURY TO THE BARK

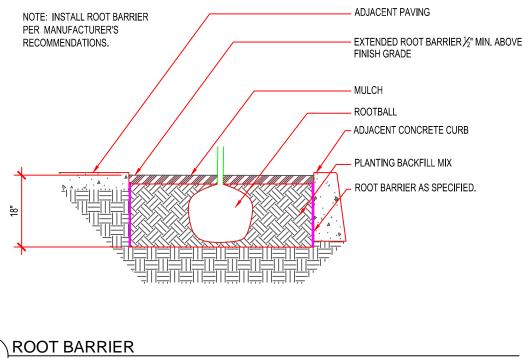
OF TREE. REMOVE ALL SUPPORTS WITH IN 1

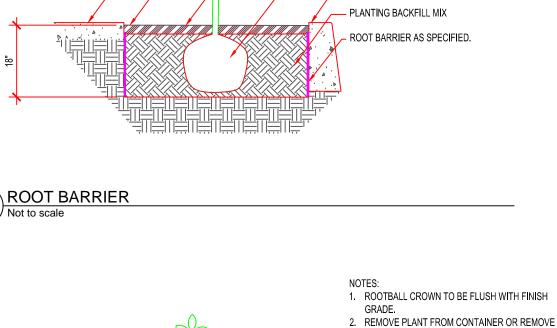
- BACKFILL

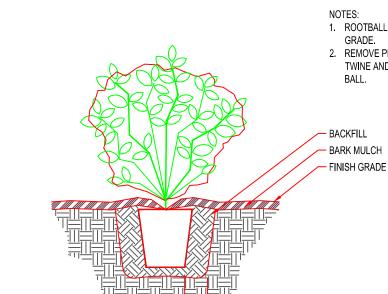


SHRUB/GROUNDCOVER PLANTING









valve per zone.

3.7.1. Prior to backfilling installed system, installing irrigation heads and testing the system, purge all system

zones with clean water at sufficient pressure and duration to verify that lines are free and clear of any

2.2.1. Construction as specified by model number reference.2.2.2. Manufacturer's catalog numbers indicated below.

2.2.3. Lawn heads -6" pop up.

rocks, dirt, gravel, debriz, foreign materials and/or contaminants. If blockages are discovered, remove sections of system piping and remove blockages as required, reconnect sections and repurge system. Install irrigation heads and test all system zones with clean water of sufficient pressure and duration to ensure the system is capable of handling the loads required and verify that controller and valves are functioning as intended. INSTALLATION OF IRRIGATION HEADS: Types as specified. Install in accordance with manufacturer's recommendations and specifications. 3.8.2. Adjust and balance: Adiust and balance each system zone. Achieve uniform area coverage by all head types. Spray across walks, onto walks, buildings, windows or paved areas is not acceptable. 3.9. INSTALLATION OF IRRIGATION CONTROLLER: 3.9.1. Type as specified. Install wall or pedestal mounted unit or battery—powered unit per manufacturer's recommendations and specifications. Enclose all control wiring in conduit. Verify exact placement of controller with Project Representative. 3.9.1.3. 3.9.1.4. Adjust irrigation controller timing for each zone based on plant type, sun exposure, microclimatic conditions, current industry standards, etc. Work by other trades including the following (Landscape Contractor to coordinate): Provision for electrical service to controller location. Control wire conduit to exterior of building. 3.10. INSTALLATION OF RAIN SENSOR: 3.10.1. Install per manufacturer's recommendations and specifications. Location as acceptable to Project Representative. Coordinate conduit from irrigation controller to rain sensor location with appropriate trades. 3.11. INSTALLATION OF CONTROL WIRE: 3.11.1. For wire sizes, refer to wire sizing chart published by manufacturer of control valves. 3.11.2. Use specified electrical connectors at all splices. Place all splices in valve boxes, and note locations on as-built record drawings. Bundle wire together with electrical tape at 10-foot intervals. Provide 12-inch expansion coils every 100 feet where runs exceed this length and at each valve. Place wire at bottom of pipe runs to provide protection. Provide one extra wire to each control valve similar to common wire for use if wire fails. Color to be different. Label as "Extra Wire" at controller. If multiple controllers are utilized, provide on extra wire per 3.11.6. Install additional sets of irrigation control wires at stubouts as approved. 3.12. FINAL TESTING: 3.12.1. Test entire system for one (1) hour at normal operating pressure. Test is acceptable if, after one (1) hour of pressure testing, at normal operating pressure, operating pressure has decreased one (1) percent of loss. If test fails, immediately trace leaks and correct. Replace soils liquefied by system failures with stable materials. Repeat system test as indicated above until testing meets requirements. END OF IRRIGATION NOTES

MacKay Sposito

ENERGY PUBLIC WORKS LAND DEVELOPMEN



01/24/2025

ON THE COWLITZ
OCK, WASHINGTON

N SPECIFICATIONS
PRELIMINARY ENGINEERIN

IRRIGATIO JBDIVISION

S

SE

(7)

LANDING CASTLE

REVISIONS:

 JOB NO.:
 18591.01

 DATE:
 3/20/2025

 SCALE: H: 1"= 50'
 V: N/A

 DESIGNED BY:
 MCP

 DRAWN BY:
 MCP

 CHECKED BY:
 TAW

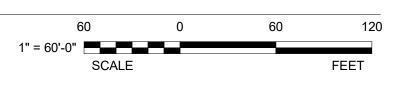
FINAL

L1.2

LUMINAIRE SCHEDULE							
FIXTURE CALLOUT	FIXTURE DESCRIPTION	FIXTURE MODEL#	POLE PART #	MTG. HEIGHT	WATTS	VOLTAGE	QTY
A	LED POLE MTD. ACORN	PT-A850SRLED-5P-6ARC35T3-MDL03-A/CM	3916T5(MOD)/GFI/IUC/1-DBA/1-DHPA-Strap/CM	16' - 0"	92 VA	120 V	10
A-EX	EXISTING ACORN	PT-A850SRLED-5P-6ARC35T3-MDL03-A/CM	3916T5(MOD)/GFI/IUC/1-DBA/1-DHPA-Strap/CM	16' - 0"	92 VA	120 V	1



SITE 1" = 60'-0"



### CITY OF CASTLE ROCK STREET LIGHTING CRITERIA

### TARGET ILLUMINATION LEVELS ROADWAY CLASSIFICATION AVERAGE\* UNIFORMITY RATIO\*\* TYPE (FC) (AVG/MIN) COLLECTOR 0.4 6:1

ROADWAY SECTION:	AVERAGE:	MINIMUM:	AVG/MIN:
ROAD C	0.92FC	0.2FC	4.6
ROAD E	0.85FC	0.2FC	4.25
ROAD F	0.97FC	0.2FC	4.85
ROAD G	0.96FC	0.2FC	4.8
ROAD H	0.95FC	0.2FC	4.75
OVERALL LIGHTING	0.95FC	0.2FC	4.75



CASTLE ROCK, WA

MARK	DATE	DESCRIPTION			
	REVIS	IONS			
PROJECT NUMBER: 25-P04					
ISSUE D	ATE:	3/26/2025			

DEREK S.

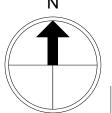
REVIEWED BY: RAND J.

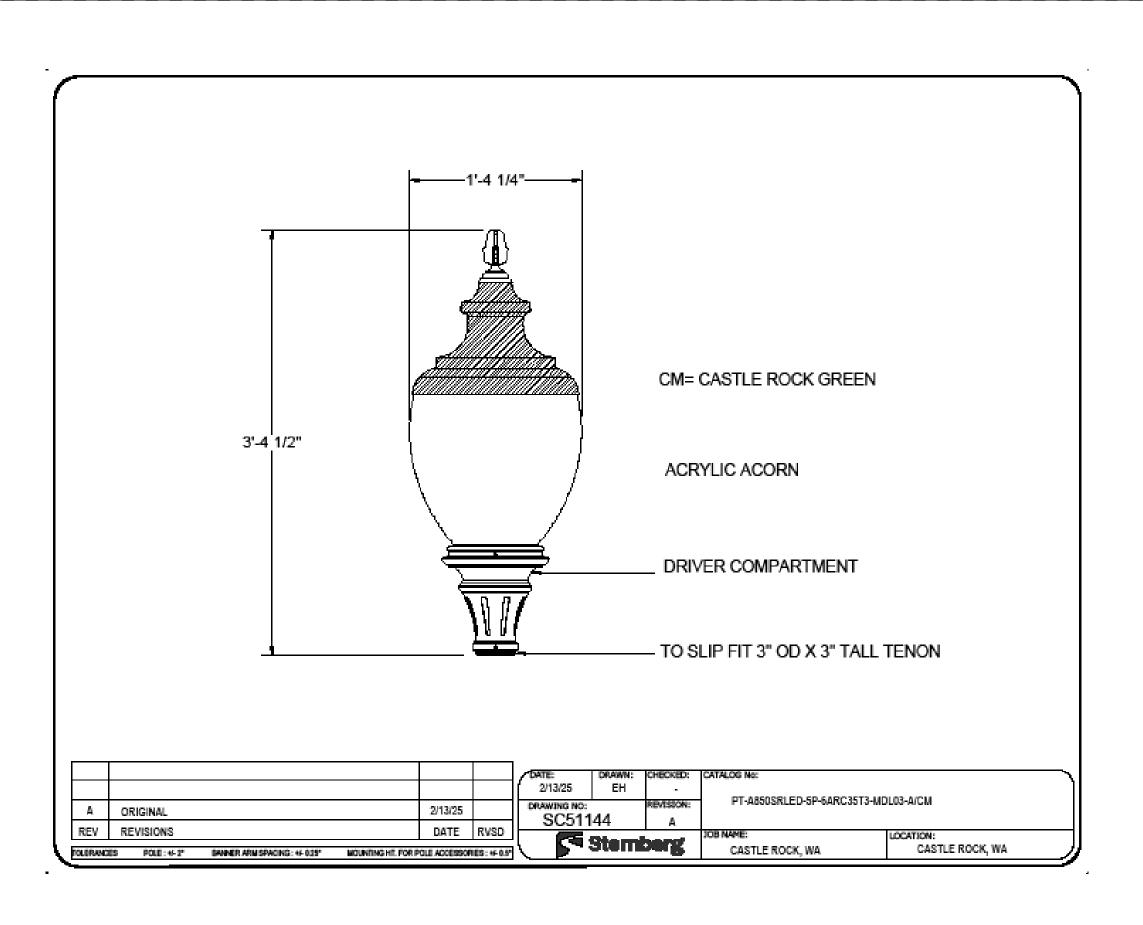
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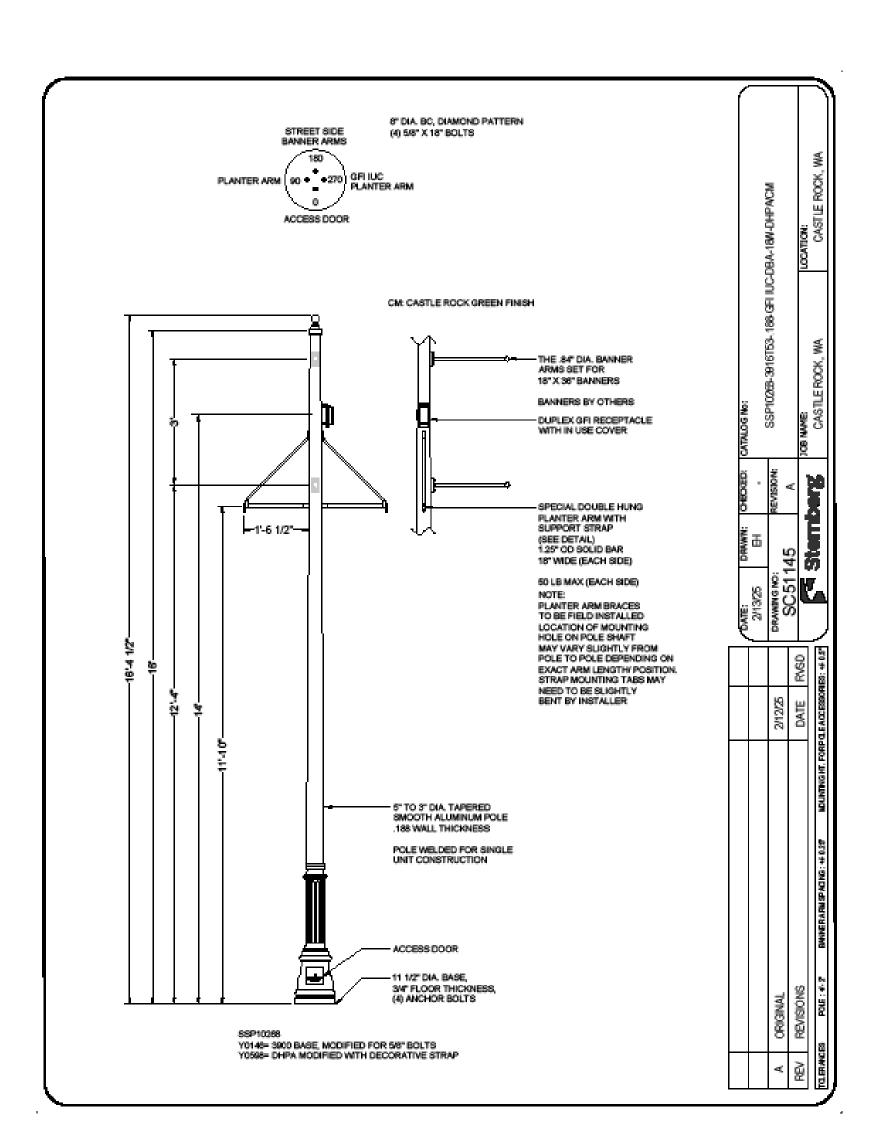
SHEET

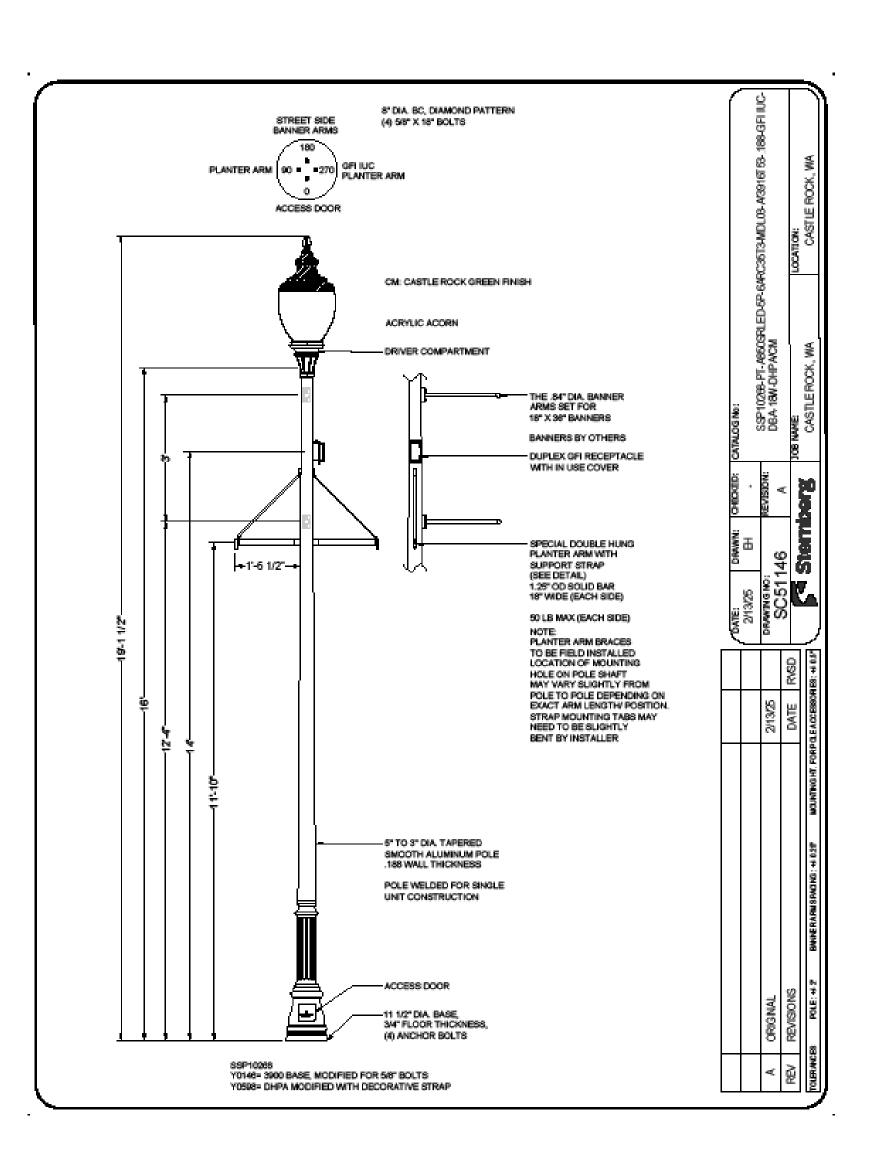
CL1.0

STREET PHOTOMETRICS SCALE As indicated









# NER'S EDGE AT THE ANDING SUBDIVISION

1100 SE 23RD AVE BATTLE GROUND,WA 98604 PHONE (360)687-1668

	MARK	DATE	DESCRIPTION
	REVISIONS PROJECT NUMBER: 25-P04		
	ISSUE DATE:		3/26/2025
	DESIGNED BY:		DEREK S.

PERMIT SET

REVIEWED BY: RAND J.

SHEET

CL1.

FIXTURE SPECIFICATIONS SCALE