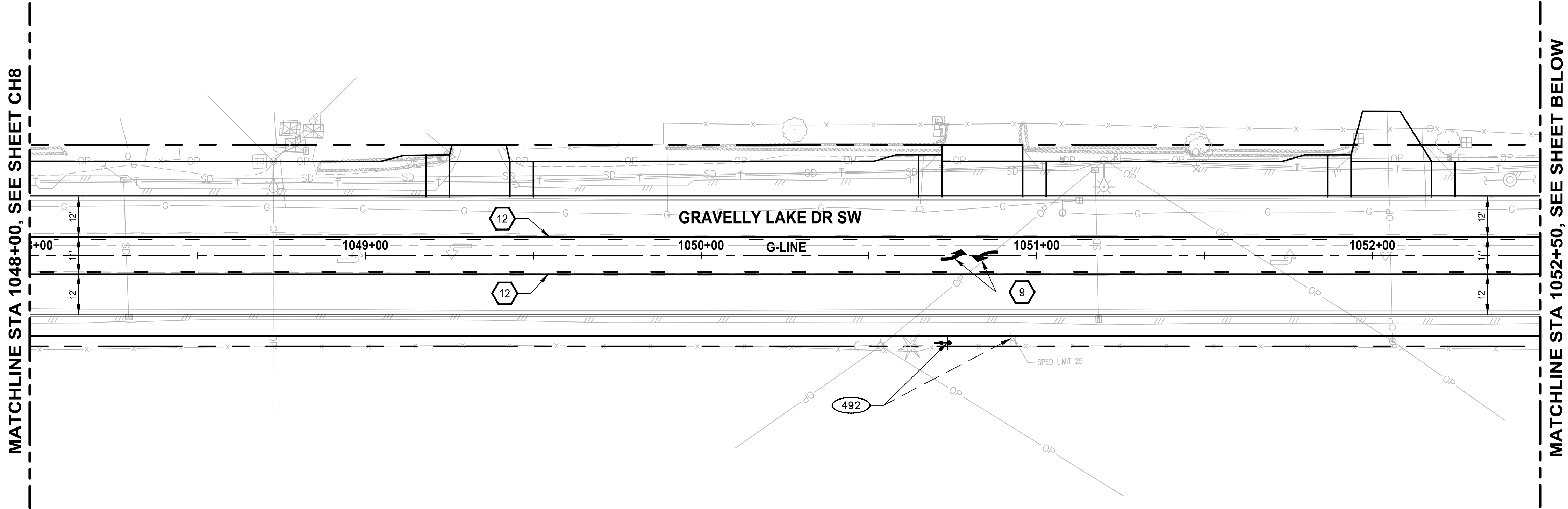
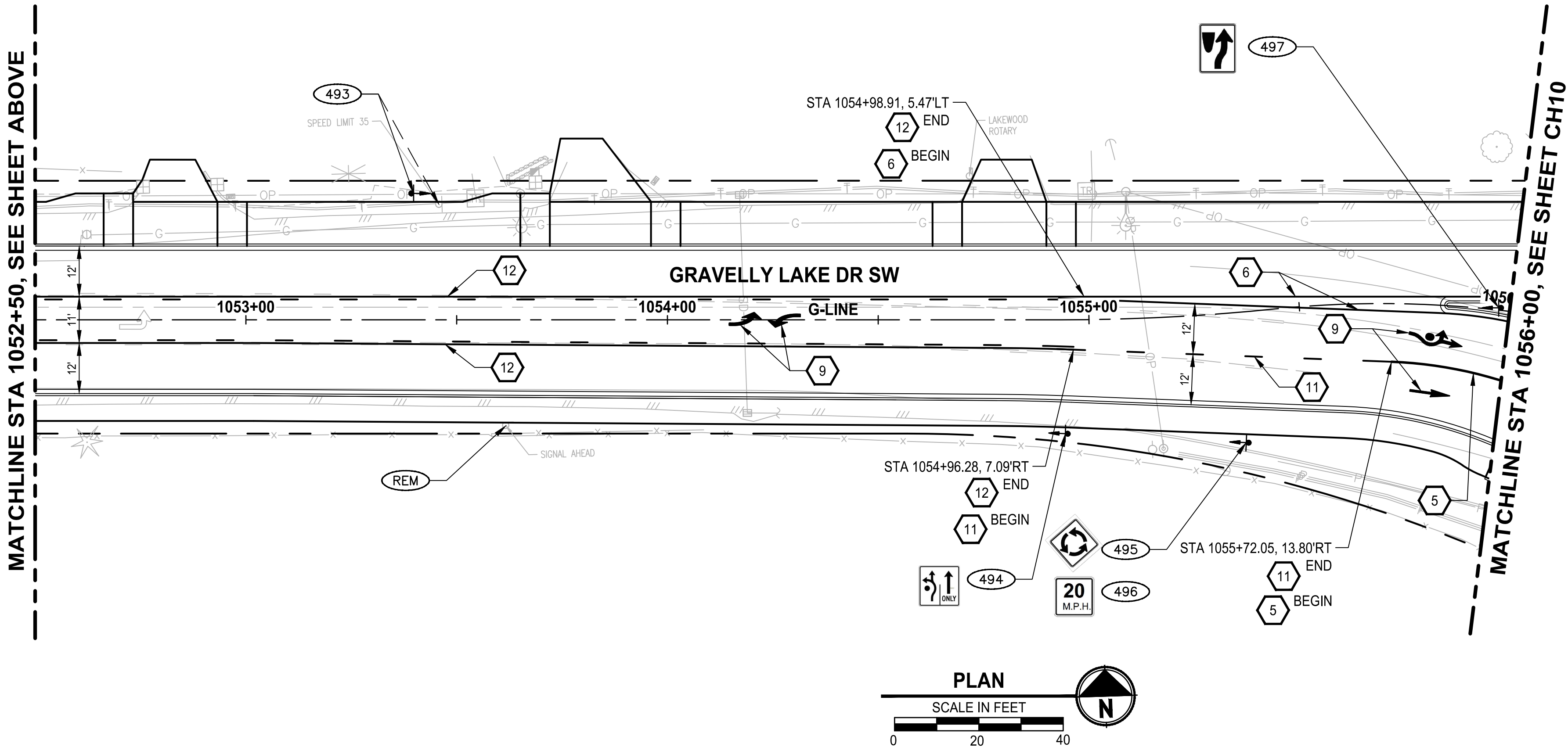


LAYOUT: CH9 PATH: U:\PSO\Projects\Clients\3047-City of Lakewood\214-3047-013_JBLM North Access\995\cadd\DWG PLOTTED BY: toyokot DATE: Tuesday, February 2, 2021 2:40:57 PM



CHANNELIZATION NOTES:

1. INSTALL PLASTIC DOUBLE CENTERLINE (YELLOW)
PER PIERCE COUNTY STD PLAN PC. H2.9
2. INSTALL PLASTIC STOP BAR
PER COL STD PLAN PS-05
3. INSTALL PLASTIC CROSSWALK LINE
PER COL STD PLAN PS-05
4. INSTALL PLASTIC WHITE DOTTED ENTRY LINE
PER WSDOT STD PLAN M-12.10-01
5. INSTALL PLASTIC WIDE LANE LINE
PER PIERCE COUNTY STD PLAN PC. H2.9
6. INSTALL PLASTIC EDGE LINE (YELLOW)
PER PIERCE COUNTY STD PLAN PC. H2.9
7. INSTALL PLASTIC EDGE LINE (WHITE)
PER PIERCE COUNTY STD PLAN PC. H2.9
8. INSTALL YIELD LINE SYMBOL
PER WSDOT STD PLAN M-24.60-04
9. INSTALL PLASTIC TRAFFIC ARROW
PER PIERCE COUNTY STD PLAN PC. H2.8
AND WSDOT STD PLAN M-12.10-01
10. INSTALL BIKE LANE SYMBOL
PER COL STD PLAN PS-04
11. INSTALL PLASTIC WIDE DOTTED LANE LINE
PER PIERCE COUNTY STD PLAN PC. H2.9
12. INSTALL PLASTIC TWO-WAY LEFT-TURN CENTER LINE
PER PIERCE COUNTY STD PLAN PC. H2.9
13. INSTALL PLASTIC ACCESS PARKING SYMBOL
14. INSTALL PLASTIC LINE (4 INCH)

LEGEND:

- ↓ NEW SIGN, SINGLE POST PER CITY OF LAKEWOOD STD DETAIL PS-03
- (REM) REMOVE SIGN
- (XX) RELOCATE / REPLACED SIGN

GENERAL NOTES:

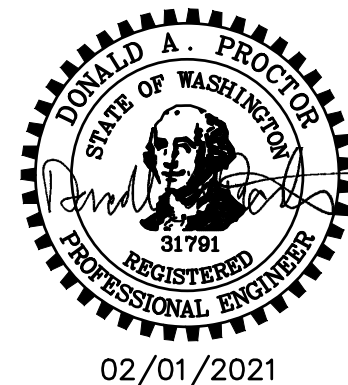
1. SALVAGE ALL EXISTING SIGNS AND METAL POSTS TO O&M SHOP.

SIGN SCHEDULE

SIGN #	ALIGNMENT	STATION & OFFSET	TYPE	SIZE (IN) W X H	DESCRIPTION	COMMENTS
492	G-LINE	1050+73.26.0' RT	REPLACE	-	SPEED LIMIT 25	REPLACE EXISTING SIGN ON NEW POST
493	G-LINE	1053+40.30.0' LT	REPLACE	-	SPEED LIMIT 35	REPLACE EXISTING SIGN ON NEW POST
494	G-LINE	1054+94.27.0' RT	R3-8	30" X 30"	ADVANCE INTERSECTION LANE CONTROL	INSTALL NEW SIGN ON NEW POST
495	G-LINE	1055+35.31.0' RT	W2-6	30" X 30"	ROUNDABOUT CIRCULATION PLAQUE	INSTALL NEW SIGN ON NEW POST
496	G-LINE	1055+35.31.0' RT	W13-1P	18" X 18"	ADVISORY SPEED PLAQUE	INSTALL NEW SIGN UNDER SIGN 495, ON SAME POST
497	G-LINE	1055+97.0.5' LT	R4-7	24" X 30"	KEEP RIGHT	INSTALL NEW SIGN ON NEW POST
498	NOT USED					

REVISIONS	DATE	BY	DESIGNED
			M. TSUN
			B. MAY
			J. JOHNSON
			A. FISHER

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME PS3047013-CH21-23
JOB No. 214-3047-013
DATE FEBRUARY 2021



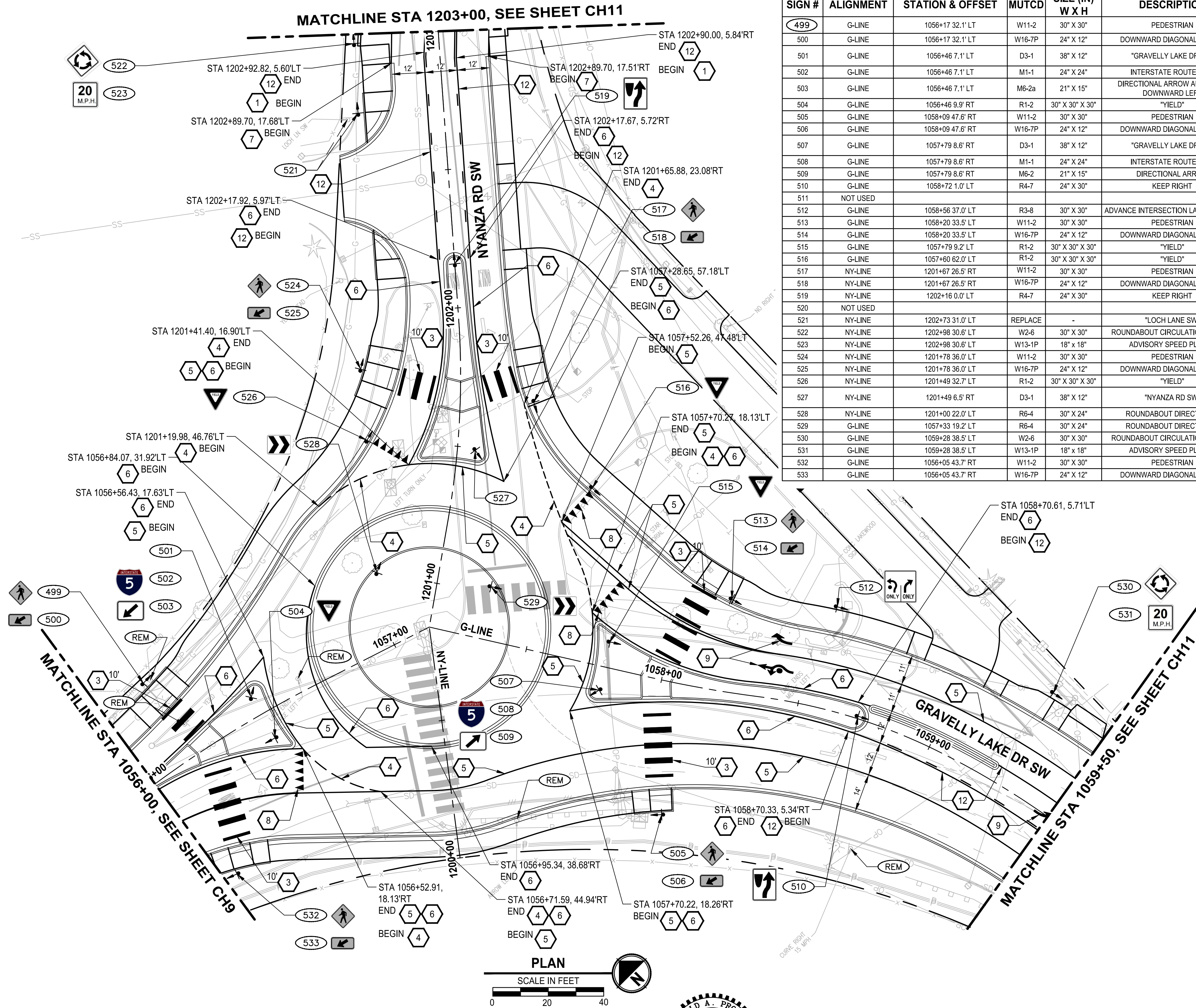
PROJECT NAME
**JBLM NORTH ACCESS ROAD
IMPROVEMENTS - PHASE 1**
LAKEWOOD, WASHINGTON

CHANNELIZATION AND SIGNING PLAN GRAVELLY LAKE DR SW

DRAWING NO.
91 OF 153

CH9

LAYOUT: CH10
PATH: U:\PSO\Projects\Clients\3047-City of Lakewood\214-3047-013_JBLM North Access\95Svcs\CADD\DWG
PLOTTED BY: taylokat DATE: Friday, February 5, 2021 2:30:12 PM



SIGN SCHEDULE						
SIGN #	ALIGNMENT	STATION & OFFSET	MUTCD	SIZE (IN) W X H	DESCRIPTION	COMMENTS
499	G-LINE	1056+17 32.1' LT	W11-2	30" X 30"	PEDESTRIAN	INSTALL NEW SIGN ON NEW POST
500	G-LINE	1056+17 32.1' LT	W16-7P	24" X 12"	DOWNWARD DIAGONAL ARROW	INSTALL NEW SIGN UNDER SIGN 499, ON SAME POST
501	G-LINE	1056+46 7.1' LT	D3-1	38" X 12"	"GRAVELLY LAKE DR SW"	INSTALL NEW SIGN ON NEW POST, SEE COL STD PLAN PS-01 FOR SIGN DETAILS
502	G-LINE	1056+46 7.1' LT	M1-1	24" X 24"	INTERSTATE ROUTE SIGN	INSTALL NEW SIGN UNDER SIGN 501, ON SAME POST
503	G-LINE	1056+46 7.1' LT	M6-2a	21" X 15"	DIRECTIONAL ARROW AUXILIARY, DOWNWARD LEFT	INSTALL NEW SIGN UNDER SIGN 501, ON SAME POST
504	G-LINE	1056+46 9.9' RT	R1-2	30" X 30" X 30"	"YIELD"	INSTALL NEW SIGN ON NEW POST
505	G-LINE	1058+09 47.6' RT	W11-2	30" X 30"	PEDESTRIAN	INSTALL NEW SIGN ON NEW POST
506	G-LINE	1058+09 47.6' RT	W16-7P	24" X 12"	DOWNWARD DIAGONAL ARROW	INSTALL NEW SIGN UNDER SIGN 505, ON SAME POST
507	G-LINE	1057+79 8.6' RT	D3-1	38" X 12"	"GRAVELLY LAKE DR SW"	INSTALL NEW SIGN ON NEW POST, SEE COL STD PLAN PS-01 FOR SIGN DETAILS
508	G-LINE	1057+79 8.6' RT	M1-1	24" X 24"	INTERSTATE ROUTE SIGN	INSTALL NEW SIGN UNDER SIGN 507, ON SAME POST
509	G-LINE	1057+79 8.6' RT	M6-2	21" X 15"	DIRECTIONAL ARROW	INSTALL NEW SIGN UNDER SIGN 507, ON SAME POST
510	G-LINE	1058+72 1.0' LT	R4-7	24" X 30"	KEEP RIGHT	INSTALL NEW SIGN ON NEW POST
511	NOT USED					
512	G-LINE	1058+56 37.0' LT	R3-8	30" X 30"	ADVANCE INTERSECTION LANE CONTROL	INSTALL NEW SIGN ON NEW POST
513	G-LINE	1058+20 33.5' LT	W11-2	30" X 30"	PEDESTRIAN	INSTALL NEW SIGN ON NEW POST
514	G-LINE	1058+20 33.5' LT	W16-7P	24" X 12"	DOWNWARD DIAGONAL ARROW	INSTALL NEW SIGN UNDER SIGN 513, ON SAME POST
515	G-LINE	1057+79 9.2' LT	R1-2	30" X 30" X 30"	"YIELD"	INSTALL NEW SIGN ON NEW POST
516	G-LINE	1057+60 62.0' LT	R1-2	30" X 30" X 30"	"YIELD"	INSTALL NEW SIGN ON NEW POST
517	NY-LINE	1201+67 26.5' RT	W11-2	30" X 30"	PEDESTRIAN	INSTALL NEW SIGN ON NEW POST
518	NY-LINE	1201+67 26.5' RT	W16-7P	24" X 12"	DOWNWARD DIAGONAL ARROW	INSTALL NEW SIGN UNDER SIGN 517, ON SAME POST
519	NY-LINE	1202+16 0.0' LT	R4-7	24" X 30"	KEEP RIGHT	INSTALL NEW SIGN ON NEW POST
520	NOT USED					
521	NY-LINE	1202+73 31.0' LT	REPLACE	-	"LOCH LANE SW"	REPLACE EXISTING SIGN ON NEW POST
522	NY-LINE	1202+98 30.6' LT	W2-6	30" X 30"	ROUNDABOUT CIRCULATION PLAQUE	INSTALL NEW SIGN ON NEW POST
523	NY-LINE	1202+98 30.6' LT	W13-1P	18" x 18"	ADVISORY SPEED PLAQUE	INSTALL NEW SIGN UNDER SIGN 522, ON SAME POST
524	NY-LINE	1201+78 36.0' LT	W11-2	30" X 30"	PEDESTRIAN	INSTALL NEW SIGN ON NEW POST
525	NY-LINE	1201+78 36.0' LT	W16-7P	24" X 12"	DOWNWARD DIAGONAL ARROW	INSTALL NEW SIGN UNDER SIGN 524, ON SAME POST
526	NY-LINE	1201+49 32.7' LT	R1-2	30" X 30" X 30"	"YIELD"	INSTALL NEW SIGN ON NEW POST
527	NY-LINE	1201+49 6.5' RT	D3-1	38" X 12"	"NYANZA RD SW"	INSTALL NEW SIGN ON NEW POST, SEE COL STD PLAN PS-01 FOR SIGN DETAILS
528	NY-LINE	1201+00 22.0' LT	R6-4	30" X 24"	ROUNDABOUT DIRECTIONAL	INSTALL NEW SIGN ON NEW POST
529	G-LINE	1057+33 19.2' LT	R6-4	30" X 24"	ROUNDABOUT DIRECTIONAL	INSTALL NEW SIGN ON NEW POST
530	G-LINE	1059+28 38.5' LT	W2-6	30" X 30"	ROUNDABOUT CIRCULATION PLAQUE	INSTALL NEW SIGN ON NEW POST
531	G-LINE	1059+28 38.5' LT	W13-1P	18" x 18"	ADVISORY SPEED PLAQUE	INSTALL NEW SIGN UNDER SIGN 530, ON SAME POST
532	G-LINE	1056+05 43.7' RT	W11-2	30" X 30"	PEDESTRIAN	INSTALL NEW SIGN ON NEW POST
533	G-LINE	1056+05 43.7' RT	W16-7P	24" X 12"	DOWNWARD DIAGONAL ARROW	INSTALL NEW SIGN UNDER SIGN 532, ON SAME POST

CHANNELIZATION NOTES:

1. INSTALL PLASTIC DOUBLE CENTERLINE (YELLOW) PER PIERCE COUNTY STD PLAN PC. H2.9
2. INSTALL PLASTIC STOP BAR PER COL STD PLAN PS-05
3. INSTALL PLASTIC CROSSWALK LINE PER COL STD PLAN PS-05
4. INSTALL PLASTIC WHITE DOTTED ENTRY LINE PER WSDOT STD PLAN M-12.10-01
5. INSTALL PLASTIC WIDE LANE LINE PER PIERCE COUNTY STD PLAN PC. H2.9
6. INSTALL PLASTIC EDGE LINE (YELLOW) PER PIERCE COUNTY STD PLAN PC. H2.9
7. INSTALL PLASTIC EDGE LINE (WHITE) PER PIERCE COUNTY STD PLAN PC. H2.9
8. INSTALL YIELD LINE SYMBOL PER WSDOT STD PLAN M-24.60-04
9. INSTALL PLASTIC TRAFFIC ARROW PER PIERCE COUNTY STD PLAN PC. H2.8 AND WSDOT STD PLAN M-12.10-01
10. INSTALL BIKE LANE SYMBOL PER COL STD PLAN PS-04
11. INSTALL PLASTIC WIDE DOTTED LANE LINE PER PIERCE COUNTY STD PLAN PC. H2.9
12. INSTALL PLASTIC TWO-WAY LEFT-TURN CENTER LINE PER PIERCE COUNTY STD PLAN PC. H2.9
13. INSTALL PLASTIC ACCESS PARKING SYMBOL
14. INSTALL PLASTIC LINE (4 INCH)

LEGEND:

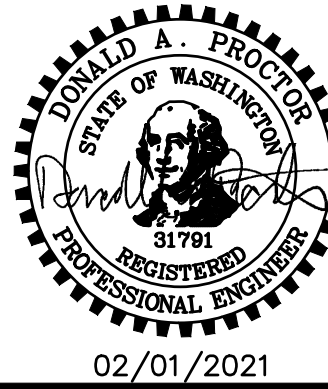
- ↓ NEW SIGN, SINGLE POST PER CITY OF LAKEWOOD STD DETAIL PS-03
- ◻ REMOVE SIGN
- XX ↗ ↘ RELOCATE / REPLACED SIGN

GENERAL NOTES:

1. SALVAGE ALL EXISTING SIGNS AND METAL POSTS TO O&M SHOP.

REVISIONS	DATE	BY	DESIGNED
			M. TSUN
			DRAWN
			B. MAY
			CHECKED
			J. JOHNSON
			APPROVED
			A. FISHER

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY.
FILE NAME PS3047013-CH21-23
JOB No. 214-3047-013
DATE FEBRUARY 2021

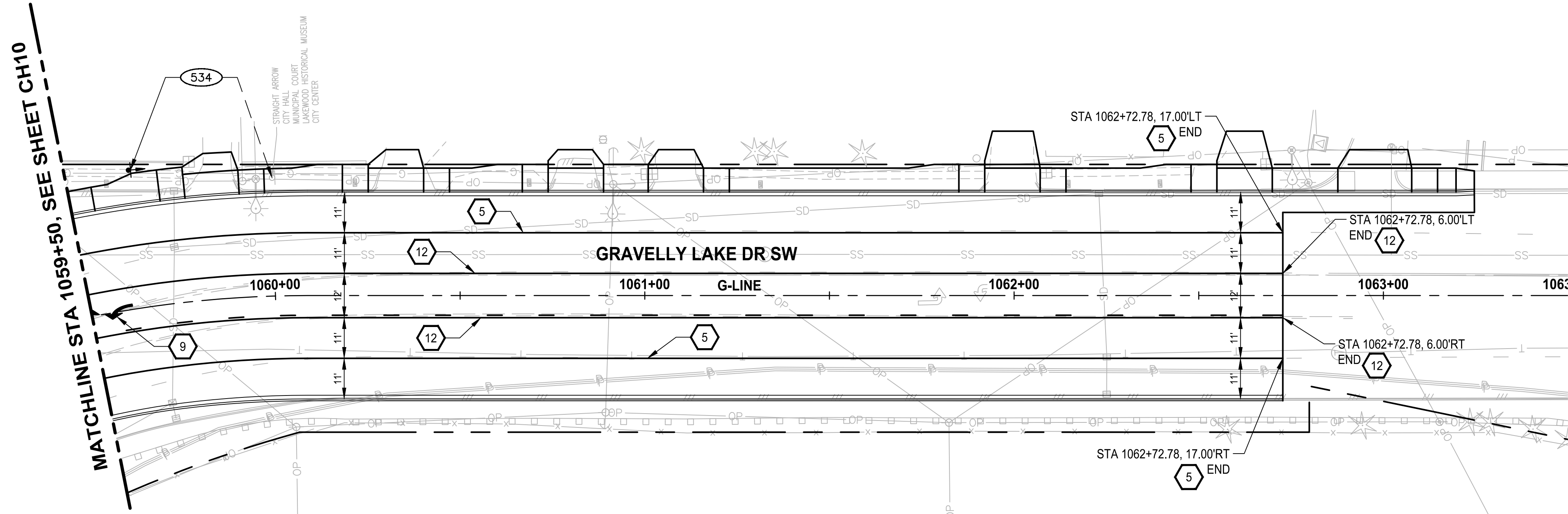


PROJECT NAME
JBLM NORTH ACCESS ROAD IMPROVEMENTS - PHASE 1
LAKEWOOD, WASHINGTON

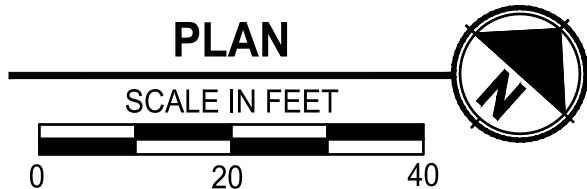
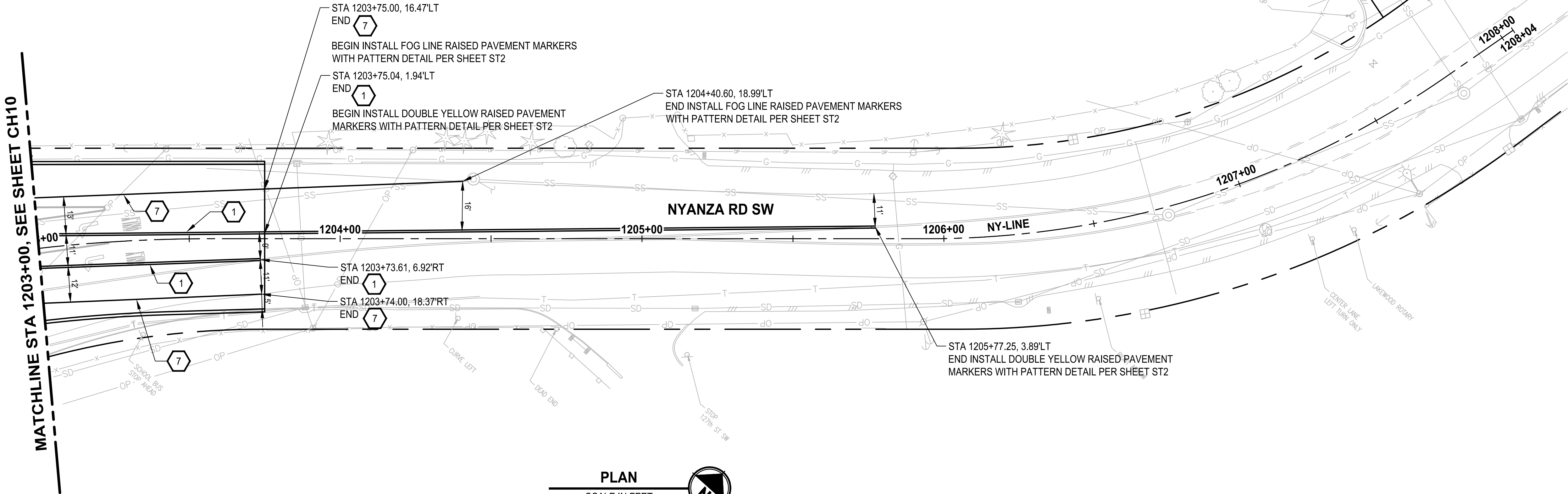
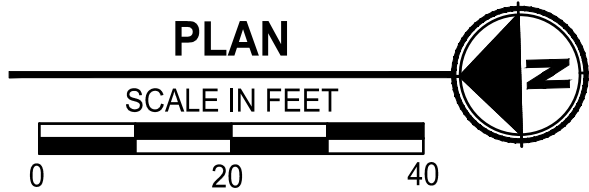
CHANNELIZATION AND SIGNING PLAN GRAVELLY LAKE DR SW NYANZA RD SW
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DRAWING NO. 92 OF 153
CH10

PATH: U:\PSO\Projects\Clients\3047-City of Lakewood\214-3047-013_JBLM North Access\95Sves\CADD\DWG PLOTTED BY: toyekot DATE: Friday, February 5, 2021 3:40:47 PM LAYOUT: CH11



SIGN SCHEDULE						
SIGN #	ALIGNMENT	STATION & OFFSET	MUTCD	SIZE (IN) W X H	DESCRIPTION	COMMENTS
534	G-LINE	1059+66 37.4' LT	REPLACE	-	COMMUNITY WAYFINDING SIGN	REPLACE EXISTING SIGN ON NEW POST



CHANNELIZATION NOTES:

1. INSTALL PLASTIC DOUBLE CENTERLINE (YELLOW)
PER PIERCE COUNTY STD PLAN PC. H2.9
2. INSTALL PLASTIC STOP BAR
PER COL STD PLAN PS-05
3. INSTALL PLASTIC CROSSWALK LINE
PER COL STD PLAN PS-05
4. INSTALL PLASTIC WHITE DOTTED ENTRY LINE
PER WSDOT STD PLAN M-12.10-01
5. INSTALL PLASTIC WIDE LANE LINE
PER PIERCE COUNTY STD PLAN PC. H2.9
6. INSTALL PLASTIC EDGE LINE (YELLOW)
PER PIERCE COUNTY STD PLAN PC. H2.9
7. INSTALL PLASTIC EDGE LINE (WHITE)
PER PIERCE COUNTY STD PLAN PC. H2.9
8. INSTALL YIELD LINE SYMBOL
PER WSDOT STD PLAN M-24.60-04
9. INSTALL PLASTIC TRAFFIC ARROW
PER PIERCE COUNTY STD PLAN PC. H2.8
AND WSDOT STD PLAN M-12.10-01
10. INSTALL BIKE LANE SYMBOL
PER COL STD PLAN PS-04
11. INSTALL PLASTIC WIDE DOTTED LANE LINE
PER PIERCE COUNTY STD PLAN PC. H2.9
12. INSTALL PLASTIC TWO-WAY LEFT-TURN CENTER LINE
PER PIERCE COUNTY STD PLAN PC. H2.9
13. INSTALL PLASTIC ACCESS PARKING SYMBOL
14. INSTALL PLASTIC LINE (4 INCH)

LEGEND:

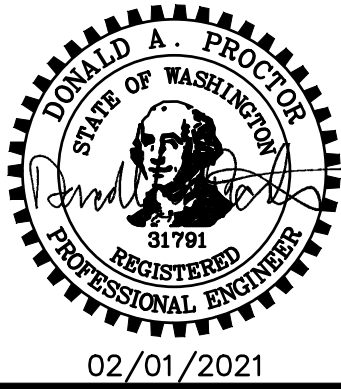
- ↓ NEW SIGN, SINGLE POST PER CITY OF LAKEWOOD STD DETAIL PS-03
- REM REMOVE SIGN
- XX RELOCATE / REPLACED SIGN

GENERAL NOTES:

1. SALVAGE ALL EXISTING SIGNS AND METAL POSTS TO O&M SHOP.

REVISIONS	DATE	BY	DESIGNED
			M. TSUN
			DRAWN
			B. MAY
			CHECKED
			J. JOHNSON
			APPROVED
			A. FISHER

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY	
FILE NAME	PS3047013-CH21-23
JOB No.	214-3047-013
DATE	FEBRUARY 2021

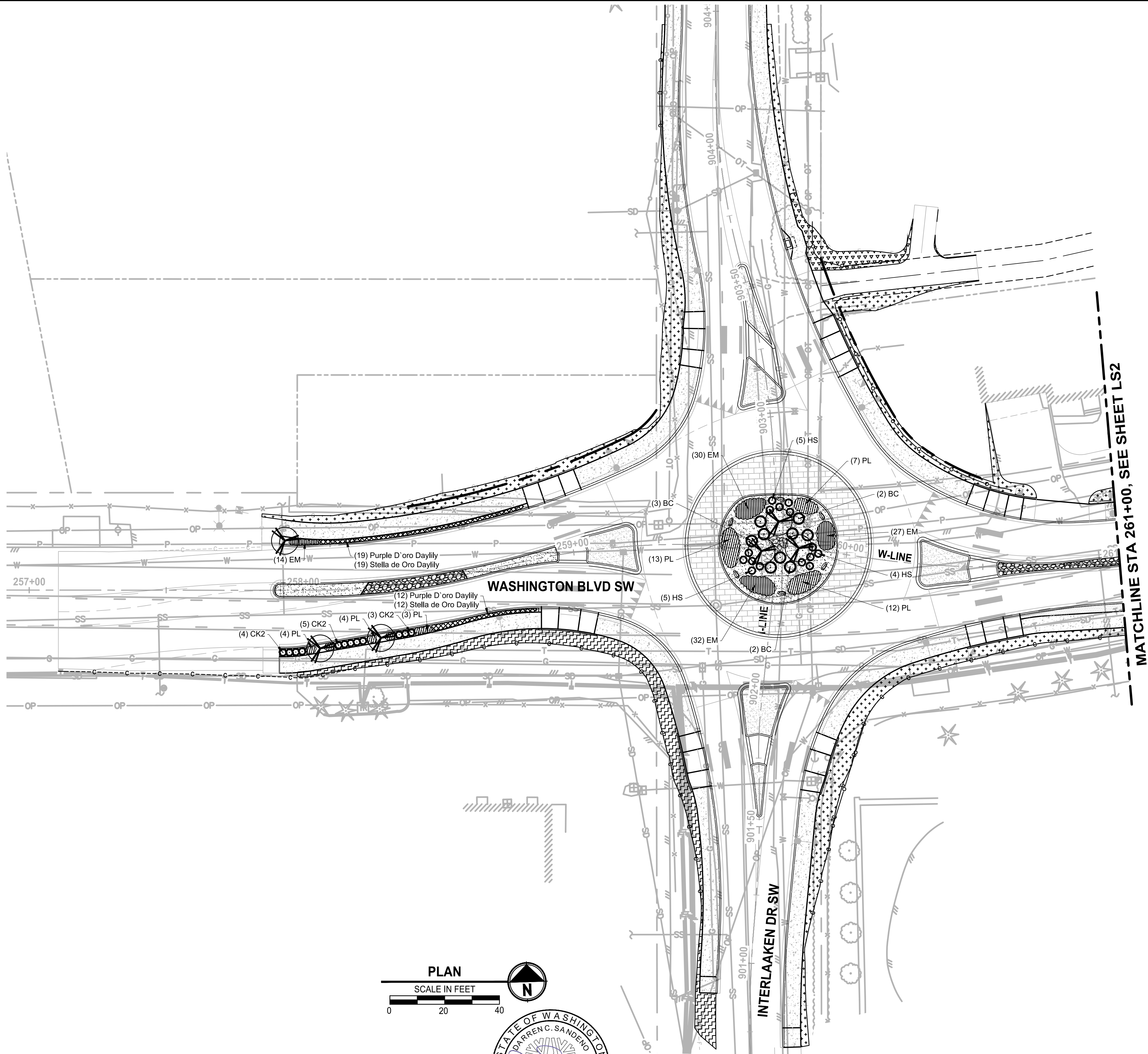


PROJECT NAME
JBLM NORTH ACCESS ROAD IMPROVEMENTS - PHASE 1
LAKEWOOD, WASHINGTON

CHANNELIZATION AND SIGNING PLAN GRAVELLY LAKE DR SW NYANZA RD SW
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DRAWING NO. 93 OF 153
CH11

PATH: U:\PSO\Projects\Clients\3047-City of Lakewood\214-3047-013 JBLM North Access\995sca\CADD\DWG PLOTTED BY: toyakot DATE: Monday, February 1, 2021 4:16:18 PM LAYOUT: LS1



LANDSCAPE LEGEND:

- UPRIGHT HORNBEAM - AS SHOWN
- GREEN PILLAR PIN OAK - AS SHOWN
- SPIRE CHERRY - AS SHOWN
- CRIMSON POINT PLUM - AS SHOWN
- COMPACT CORAL BARBERRRY - @ 4' O.C.
- KELSEY REDTWIG DOGWOOD - @ 2.5' O.C.
- BLUE OAT GRASS - @ 2.5' O.C.
- DAYLILY MIX - @ 1.5' O.C.
- MEDITERRANEAN PINK HEATH - @ 1.5' O.C.
- MOUNT VERNON ENGLISH LAUREL - @ 2.5' O.C.
- 4"-6" RIVER ROCK COBBLES 12" DEPTH
- 1"-2" RIVER ROCK 4" DEPTH
- 2'-3' ROUNDED RIVER ROCK BOULDERS. SEE LS26, DTL 4.

RESTORATION LEGEND:

- 2" DEPTH CRUSHED SURFACING TOP COURSE. BLEND TO EXISTING
- SEEDING, FERTILIZING, AND MULCHING (HYDROSEED)
- 2" TOPSOIL TYPE A AND 3" BARK MULCH

NOTES:

- SEE SHEET LS12 FOR LANDSCAPE SCHEDULE AND LANDSCAPE NOTES AND PLANTING DETAILS.
- ALL LANDSCAPE SHRUB PLANTING AREAS SHALL RECEIVE 12" MIN. UNIFORM DEPTH APPROVED IMPORTED TOPSOIL TYPE 'A'.
- ALL LANDSCAPE PLANTING AREAS SHALL RECEIVE 3" UNIFORM DEPTH APPROVED BARK MULCH EXCEPT WHERE SHOWN WITH RIVER RINGS AND ONLY TREE PLANTING RINGS RECEIVE BARK MULCH.
- ALL RESTORATION AREAS SHOWN DIAGRAMMATICALLY ONLY. FIELD ADJUST AS NECESSARY TO MATCH ADJACENT EXISTING CONDITIONS. ALL AREAS DISTURBED BY CONSTRUCTION TO BE RESTORED.

REVISIONS	DATE	BY	DESIGNED D. SANDENO
			DRAWN D. BAILEY
			CHECKED F. IDE
			APPROVED A. FISHER

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY.
FILE NAME PS3047013-LS13-20
JOB No. 214-3047-013
DATE FEBRUARY 2021

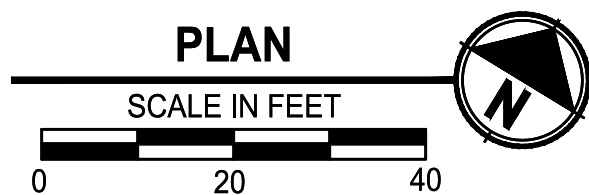
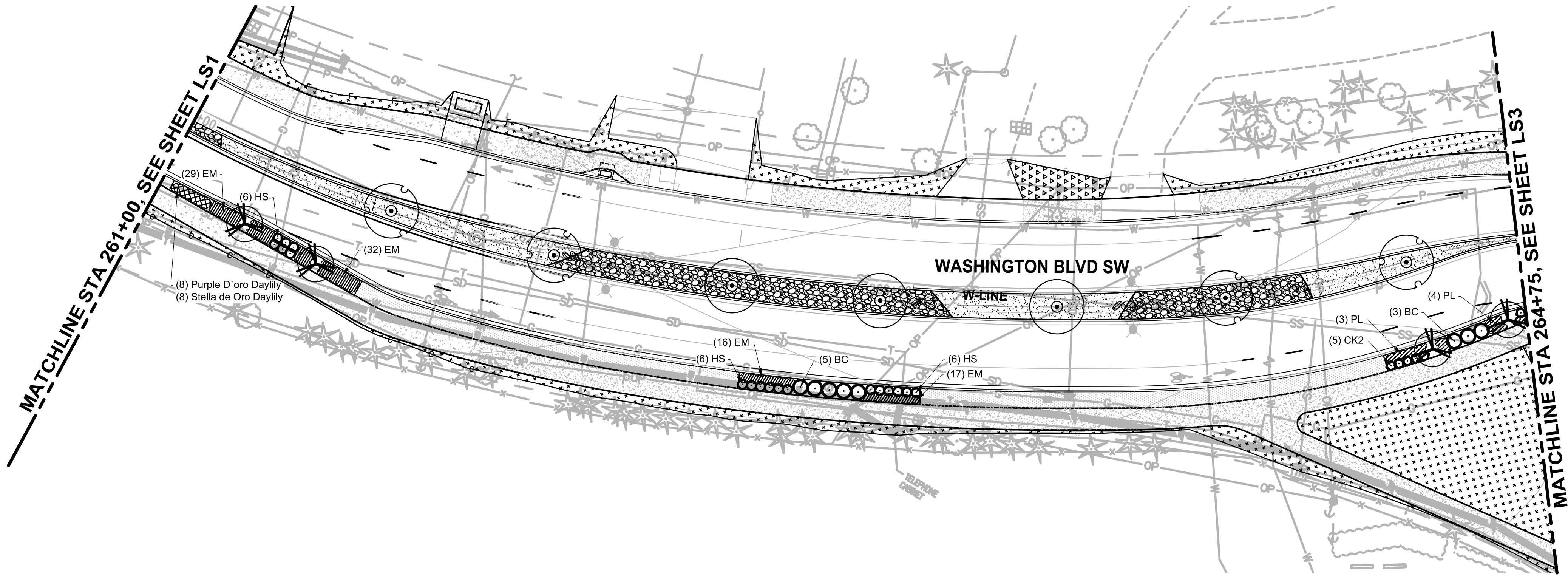


PROJECT NAME
JBLM NORTH ACCESS ROAD IMPROVEMENTS - PHASE 1
LAKEWOOD, WASHINGTON

LANDSCAPE PLAN WASHINGTON BLVD SW

DRAWING NO. 94 OF 153
LS1

PATH: U:\PSO\Projects\Clients\3047-City of Lakewood\214-3047-013_JBLM North Access\99Scs\CADD\DWG PLOTTED BY: toyfact DATE: Monday, February 1, 2021 4:16:43 PM LAYOUT: LS2



LANDSCAPE LEGEND:

- UPRIGHT HORNBEAM - AS SHOWN
- GREEN PILLAR PIN OAK - AS SHOWN
- SPIRE CHERRY - AS SHOWN
- CRIMSON POINT PLUM - AS SHOWN
- COMPACT CORAL BARBERRY - @ 4' O.C.
- KELSEY REDTWIG DOGWOOD - @ 2.5' O.C.
- BLUE OAT GRASS - @ 2.5' O.C.
- DAYLILY MIX - @ 1.5' O.C.
- MEDITERRANEAN PINK HEATH - @ 1.5' O.C.
- MOUNT VERNON ENGLISH LAUREL - @ 2.5' O.C.
- 4"-6" RIVER ROCK COBBLES 12" DEPTH
- 1"-2" RIVER ROCK 4" DEPTH
- 2'-3' ROUNDED RIVER ROCK BOULDERS. SEE LS26, DTL 4.

RESTORATION LEGEND:

- 2" DEPTH CRUSHED SURFACING TOP COURSE. BLEND TO EXISTING
- SEEDING, FERTILIZING, AND MULCHING (HYDROSEED)
- 2" TOPSOIL TYPE A AND 3" BARK MULCH

NOTES:

- SEE SHEET LS12 FOR LANDSCAPE SCHEDULE AND LANDSCAPE NOTES AND PLANTING DETAILS.
- ALL LANDSCAPE SHRUB PLANTING AREAS SHALL RECEIVE 12" MIN. UNIFORM DEPTH APPROVED IMPORTED TOPSOIL TYPE 'A'.
- ALL LANDSCAPE PLANTING AREAS SHALL RECEIVE 3" UNIFORM DEPTH APPROVED BARK MULCH EXCEPT WHERE SHOWN WITH RIVER ROCK AND ONLY TREE PLANTING RINGS RECEIVE BARK MULCH.
- ALL RESTORATION AREAS SHOWN DIAGRAMMATICALLY ONLY. FIELD ADJUST AS NECESSARY TO MATCH ADJACENT EXISTING CONDITIONS. ALL AREAS DISTURBED BY CONSTRUCTION TO BE RESTORED.

REVISIONS	DATE	BY	DESIGNED D. SANDENO
			DRAWN D. BAILEY
			CHECKED F. IDE
			APPROVED A. FISHER

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME PS3047013-LS13-20
JOB No. 214-3047-013
DATE FEBRUARY 2021

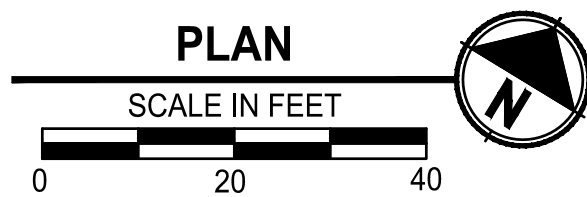
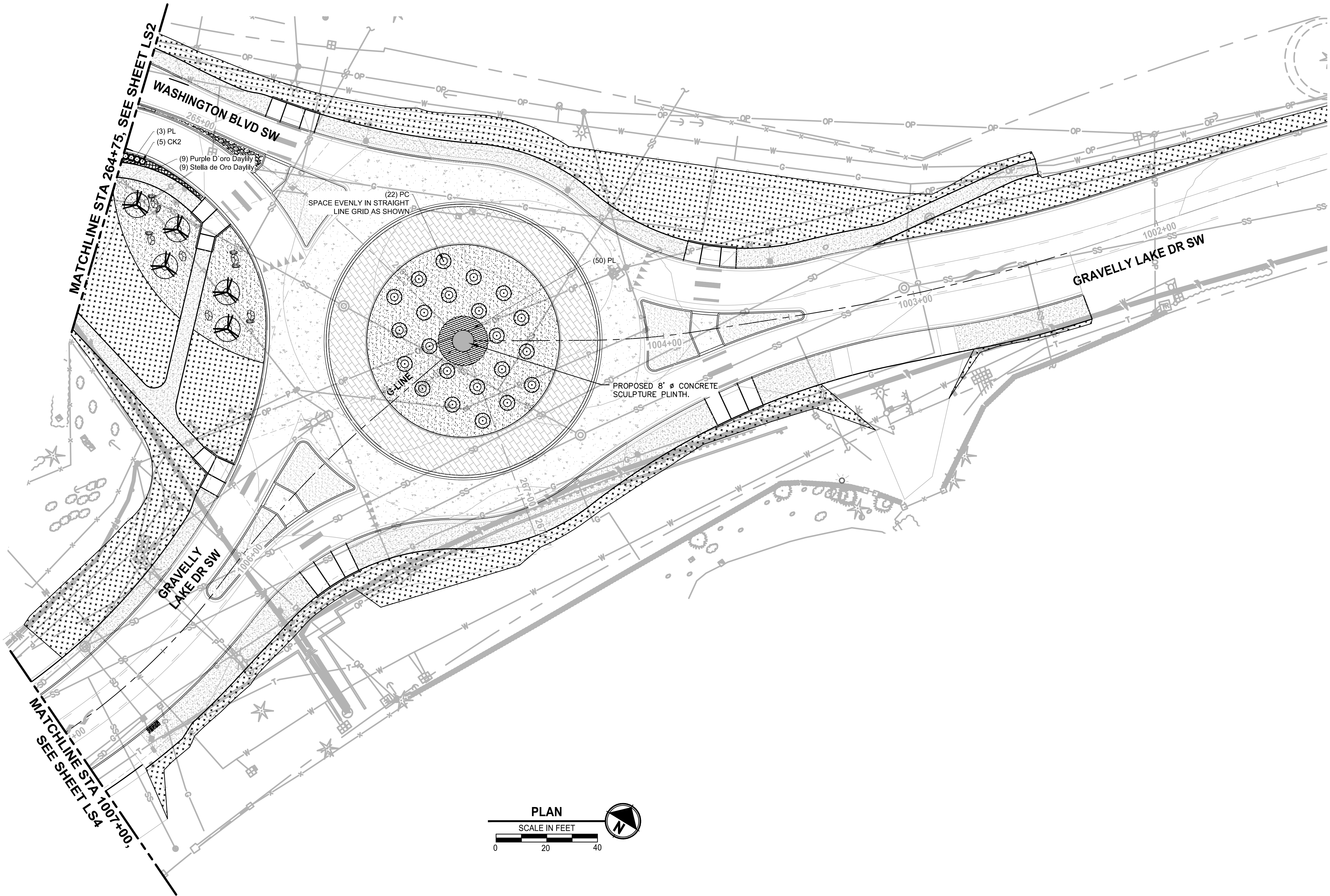


PROJECT NAME
JBLM NORTH ACCESS ROAD IMPROVEMENTS - PHASE 1
LAKEWOOD, WASHINGTON

LANDSCAPE PLAN WASHINGTON BLVD SW

DRAWING NO. 95 OF 153
LS2

PATH: U:\PSO\Projects\Clients\3047-City of Lakewood\214-3047-013_JBLM North Access\99Scs\CADD\DWG PLOTTED BY: toyfact DATE: Monday, February 1, 2021 4:17:08 PM LAYOUT: LS3



LANDSCAPE LEGEND:

- UPRIGHT HORNBEAM - AS SHOWN
- GREEN PILLAR PIN OAK - AS SHOWN
- SPIRE CHERRY - AS SHOWN
- CRIMSON POINT PLUM - AS SHOWN
- COMPACT CORAL BARBERRY - @ 4' O.C.
- KELSEY REDTWIG DOGWOOD - @ 2.5' O.C.
- BLUE OAT GRASS - @ 2.5' O.C.
- DAYLILY MIX - @ 1.5' O.C.
- MEDITERRANEAN PINK HEATH - @ 1.5' O.C.
- MOUNT VERNON ENGLISH LAUREL - @ 2.5' O.C.
- 4"-6" RIVER ROCK COBBLES 12" DEPTH
- 1"-2" RIVER ROCK 4" DEPTH
- 2'-3' ROUNDED RIVER ROCK BOULDERS. SEE LS26, DTL 4.

RESTORATION LEGEND:

- 2" DEPTH CRUSHED SURFACING TOP COURSE. BLEND TO EXISTING
- SEEDING, FERTILIZING, AND MULCHING (HYDROSEED)
- 2" TOPSOIL TYPE A AND 3" BARK MULCH

NOTES:

- SEE SHEET LS12 FOR LANDSCAPE SCHEDULE AND LANDSCAPE NOTES AND PLANTING DETAILS.
- ALL LANDSCAPE SHRUB PLANTING AREAS SHALL RECEIVE 12" MIN. UNIFORM DEPTH APPROVED IMPORTED TOPSOIL TYPE 'A'.
- ALL LANDSCAPE PLANTING AREAS SHALL RECEIVE 3" UNIFORM DEPTH APPROVED BARK MULCH EXCEPT WHERE SHOWN WITH RIVER ROCK AND ONLY TREE PLANTING RINGS RECEIVE BARK MULCH.
- ALL RESTORATION AREAS SHOWN DIAGRAMMATICALLY ONLY. FIELD ADJUST AS NECESSARY TO MATCH ADJACENT EXISTING CONDITIONS. ALL AREAS DISTURBED BY CONSTRUCTION TO BE RESTORED.

REVISIONS	DATE	BY	DESIGNED D. SANDENO
			DRAWN D. BAILEY
			CHECKED F. IDE
			APPROVED A. FISHER

ONE INCH AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY

FILE NAME
PS3047013-LS13-20

JOB No.
214-3047-013

DATE
FEBRUARY 2021



Parametrix
ENGINEERING · PLANNING · ENVIRONMENTAL SCIENCES

1019 39TH AVE SE, SUITE 100
PUYALLUP, WA 98374
P 253.604.6600
WWW.PARAMETRIX.COM

b bcr

2106 PACIFIC AVE, SUITE 300
TACOMA, WA 98402
P 253.627.4367
WWW.BCRDESIGN.COM

PROJECT NAME

**JBLM NORTH ACCESS ROAD
IMPROVEMENTS - PHASE 1**

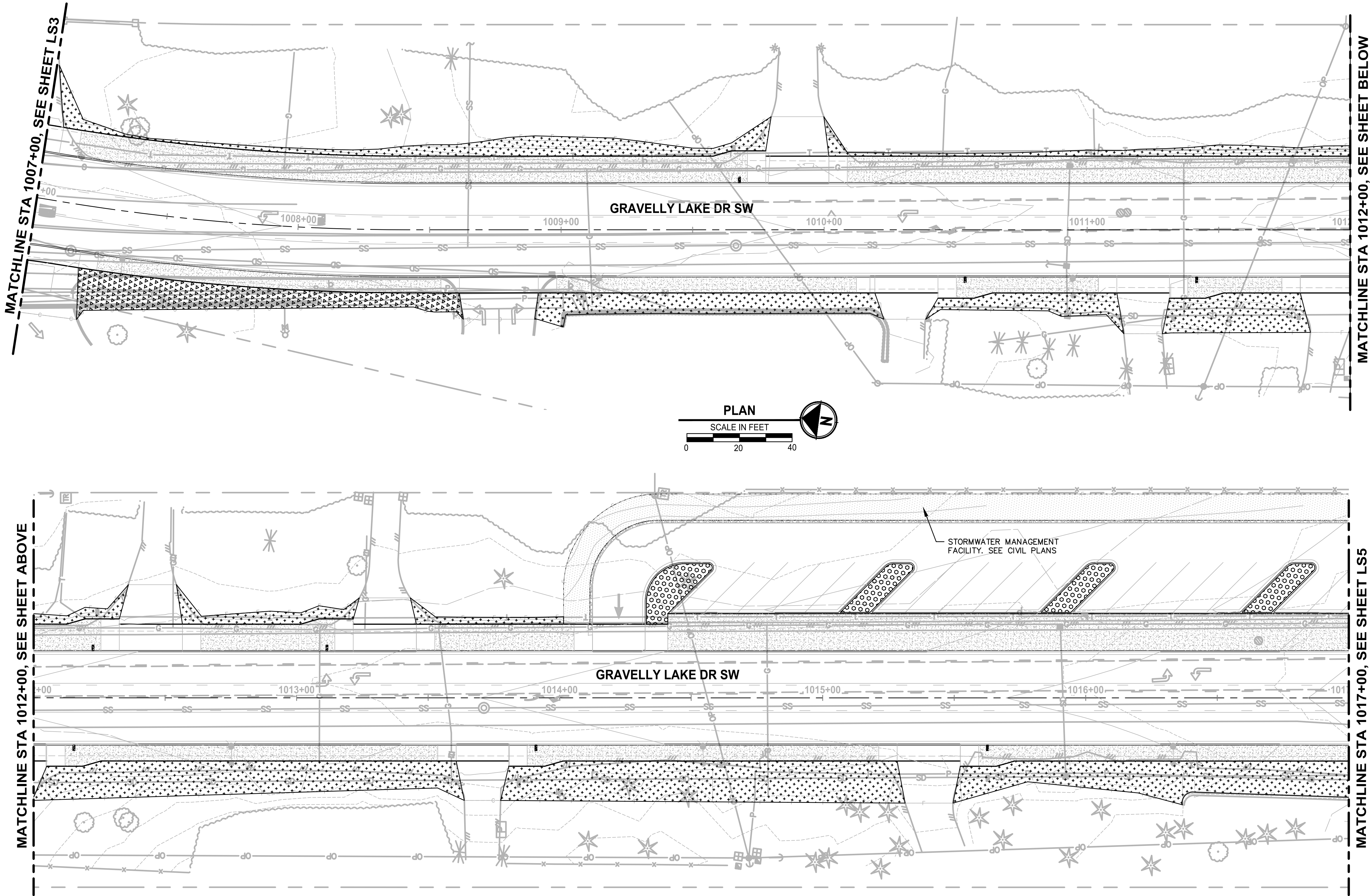
LAKEWOOD, WASHINGTON

**LANDSCAPE PLAN
WASHINGTON BLVD SW**

DRAWING NO.
96 OF 153

LS3

PATH: U:\PSO\Projects\Clients\3047-City of Lakewood\214-3047-013_JBLM North Access\99Sics\CADD\DWG PLOTTED BY: toyfact DATE: Monday, February 1, 2021 4:17:55 PM LAYOUT: LS4



LANDSCAPE LEGEND:

- UPRIGHT HORNBEAM - AS SHOWN
- GREEN PILLAR PIN OAK - AS SHOWN
- SPIRE CHERRY - AS SHOWN
- CRIMSON POINT PLUM - AS SHOWN
- COMPACT CORAL BARBERRY - @ 4' O.C.
- KELSEY REDTWIG DOGWOOD - @ 2.5' O.C.
- BLUE OAT GRASS - @ 2.5' O.C.
- DAYLILY MIX - @ 1.5' O.C.
- MEDITERRANEAN PINK HEATH - @ 1.5' O.C.
- MOUNT VERNON ENGLISH LAUREL - @ 2.5' O.C.
- 4"-6" RIVER ROCK COBBLES 12" DEPTH
- 1"-2" RIVER ROCK 4" DEPTH
- 2'-3' ROUNDED RIVER ROCK BOULDERS. SEE LS26, DTL 4.

RESTORATION LEGEND:

- 2" DEPTH CRUSHED SURFACING TOP COURSE. BLEND TO EXISTING
- SEEDING, FERTILIZING, AND MULCHING (HYDROSEED)
- 2" TOPSOIL TYPE A AND 3" BARK MULCH
- 12" TOPSOIL TYPE A. PLANTING AND MULCH BY OTHERS.

NOTES:

- SEE SHEET LS12 FOR LANDSCAPE SCHEDULE AND LANDSCAPE NOTES AND PLANTING DETAILS.
- ALL LANDSCAPE SHRUB PLANTING AREAS SHALL RECEIVE 12" MIN. UNIFORM DEPTH APPROVED IMPORTED TOPSOIL TYPE 'A'.
- ALL LANDSCAPE PLANTING AREAS SHALL RECEIVE 3" UNIFORM DEPTH APPROVED BARK MULCH EXCEPT WHERE SHOWN WITH RIVER ROCK AND ONLY TREE PLANTING RINGS RECEIVE BARK MULCH.
- ALL RESTORATION AREAS SHOWN DIAGRAMMATICALLY ONLY. FIELD ADJUST AS NECESSARY TO MATCH ADJACENT EXISTING CONDITIONS. ALL AREAS DISTURBED BY CONSTRUCTION TO BE RESTORED.

REVISIONS	DATE	BY	DESIGNED
			D. SANDENO
			D. BAILEY
			CHECKED F. IDE
			APPROVED A. FISHER

ONE INCH AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY

FILE NAME
PS3047013-LS13-20

JOB No.
214-3047-013

DATE
FEBRUARY 2021



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P 253.627.4367
WWW.BCRDESIGN.COM

PROJECT NAME

**JBLM NORTH ACCESS ROAD
IMPROVEMENTS - PHASE 1**

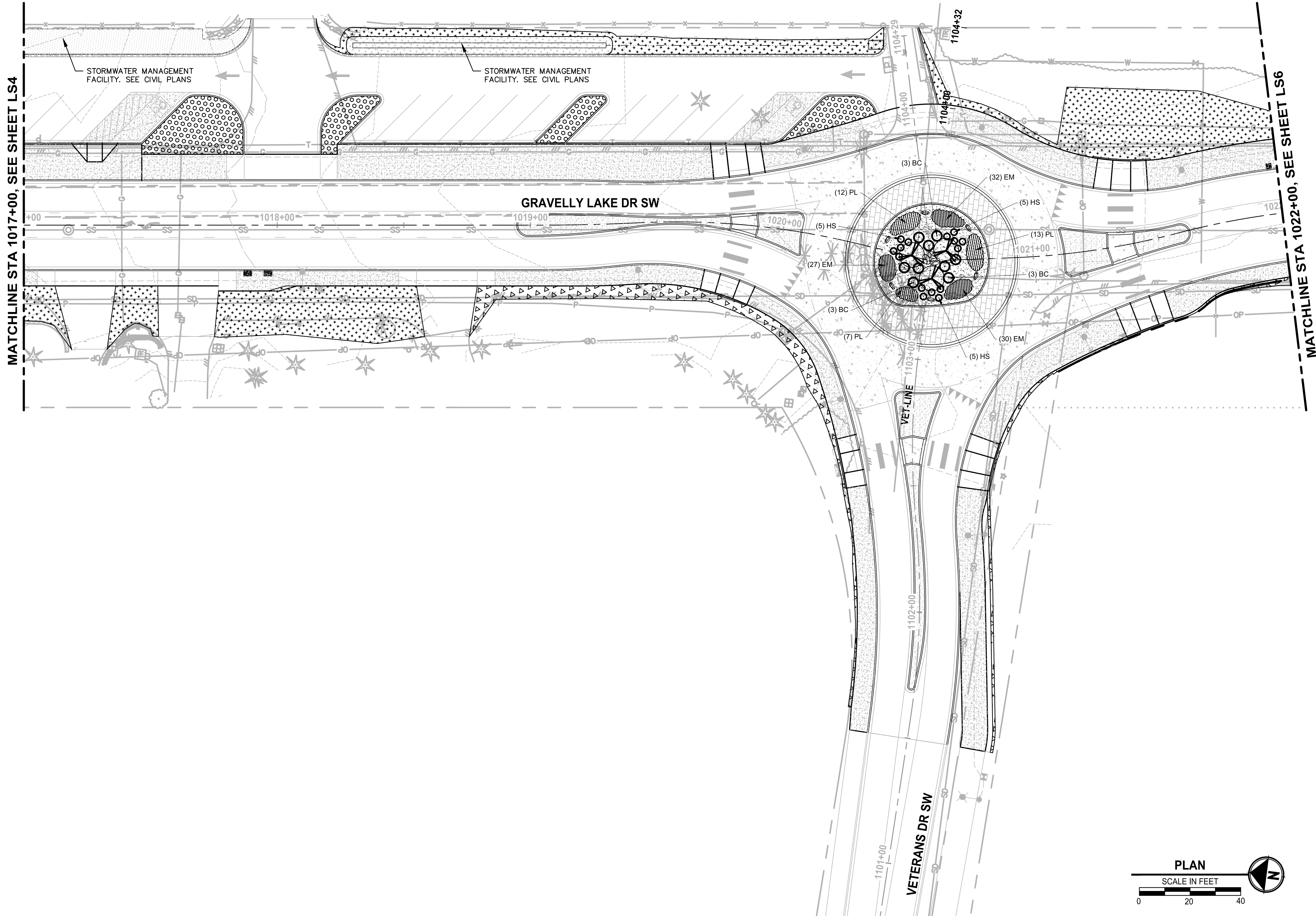
LAKEWOOD, WASHINGTON

**LANDSCAPE PLAN
GRAVELLY LAKE DR SW**

DRAWING NO.
97 OF 153

LS4

PATH: U:\P50\Projects\Clients\3047-City of Lakewood\214-3047-013_JBLM North Access\995\scs\995\scs\CADD\DWG PLOTTED BY: toyfact DATE: Monday, February 1, 2021 4:18:20 PM LAYOUT: LS5



LANDSCAPE LEGEND:

- UPRIGHT HORNBEAM - AS SHOWN
- GREEN PILLAR PIN OAK - AS SHOWN
- SPIRE CHERRY - AS SHOWN
- CRIMSON POINT PLUM - AS SHOWN
- COMPACT CORAL BARBERRY - @ 4' O.C.
- KELSEY REDTWIG DOGWOOD - @ 2.5' O.C.
- BLUE OAT GRASS - @ 2.5' O.C.
- DAYLILY MIX - @ 1.5' O.C.
- MEDITERRANEAN PINK HEATH - @ 1.5' O.C.
- MOUNT VERNON ENGLISH LAUREL - @ 2.5' O.C.
- 4"-6" RIVER ROCK COBBLES 12" DEPTH
- 1"-2" RIVER ROCK 4" DEPTH
- 2'-3' ROUNDED RIVER ROCK BOULDERS. SEE LS26, DTL 4.

RESTORATION LEGEND:

- 2" DEPTH CRUSHED SURFACING TOP COURSE. BLEND TO EXISTING
- SEEDING, FERTILIZING, AND MULCHING (HYDROSEED)
- 2" TOPSOIL TYPE A AND 3" BARK MULCH
- 12" TOPSOIL TYPE A. PLANTING AND MULCH BY OTHERS.

NOTES:

- SEE SHEET LS12 FOR LANDSCAPE SCHEDULE AND LANDSCAPE NOTES AND PLANTING DETAILS.
- ALL LANDSCAPE SHRUB PLANTING AREAS SHALL RECEIVE 12" MIN. UNIFORM DEPTH APPROVED IMPORTED TOPSOIL TYPE 'A'.
- ALL LANDSCAPE PLANTING AREAS SHALL RECEIVE 3" UNIFORM DEPTH APPROVED BARK MULCH EXCEPT WHERE SHOWN WITH RIVER ROCK AND ONLY TREE PLANTING RINGS RECEIVE BARK MULCH.
- ALL RESTORATION AREAS SHOWN DIAGRAMMATICALLY ONLY. FIELD ADJUST AS NECESSARY TO MATCH ADJACENT EXISTING CONDITIONS. ALL AREAS DISTURBED BY CONSTRUCTION TO BE RESTORED.

REVISIONS	DATE	BY	DESIGNED
			D. SANDENO
			D. BAILEY
			CHECKED F. IDE
			APPROVED A. FISHER

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME PS3047013-LS13-20
JOB No. 214-3047-013
DATE FEBRUARY 2021

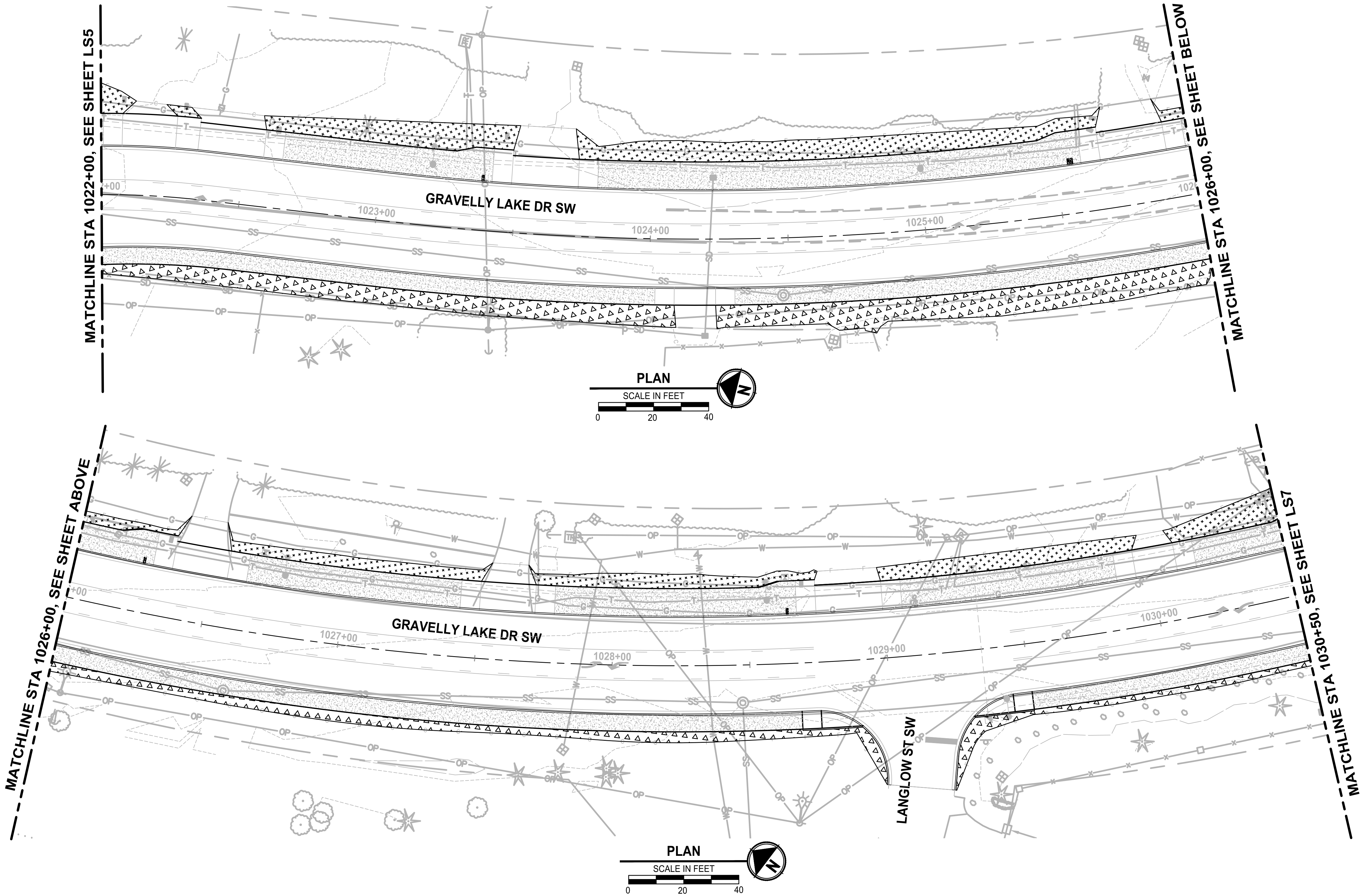


PROJECT NAME
JBLM NORTH ACCESS ROAD IMPROVEMENTS - PHASE 1
LAKEWOOD, WASHINGTON

LANDSCAPE PLAN GRAVELLY LAKE DR SW

DRAWING NO. 98 OF 153
LS5

PATH: U:\PSO\Projects\Clients\3047-City of Lakewood\214-3047-013 JBLM North Access Road Improvements\9955sca\cadd\DWG PLOTTED BY: toyfakt DATE: Monday, February 1, 2021 4:19:05 PM LAYOUT: LS6



LANDSCAPE LEGEND:

- UPRIGHT HORNBEAM - AS SHOWN
- GREEN PILLAR PIN OAK - AS SHOWN
- SPIRE CHERRY - AS SHOWN
- CRIMSON POINT PLUM - AS SHOWN
- COMPACT CORAL BARBERRY - @ 4' O.C.
- KELSEY REDTWIG DOGWOOD - @ 2.5' O.C.
- BLUE OAT GRASS - @ 2.5' O.C.
- DAYLILY MIX - @ 1.5' O.C.
- MEDITERRANEAN PINK HEATH - @ 1.5' O.C.
- MOUNT VERNON ENGLISH LAUREL - @ 2.5' O.C.
- 4"-6" RIVER ROCK COBBLES 12" DEPTH
- 1"-2" RIVER ROCK 4" DEPTH
- 2'-3' ROUNDED RIVER ROCK BOULDERS. SEE LS26, DTL 4.

RESTORATION LEGEND:

- 2" DEPTH CRUSHED SURFACING TOP COURSE. BLEND TO EXISTING
- SEEDING, FERTILIZING, AND MULCHING (HYDROSEED)
- 2" TOPSOIL TYPE A AND 3" BARK MULCH

NOTES:

- SEE SHEET LS12 FOR LANDSCAPE SCHEDULE AND LANDSCAPE NOTES AND PLANTING DETAILS.
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REVISIONS	DATE	BY	DESIGNED
			D. SANDENO
			D. BAILEY
			CHECKED F. IDE
			APPROVED A. FISHER

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME PS3047013-LS13-20
JOB No. 214-3047-013
DATE FEBRUARY 2021

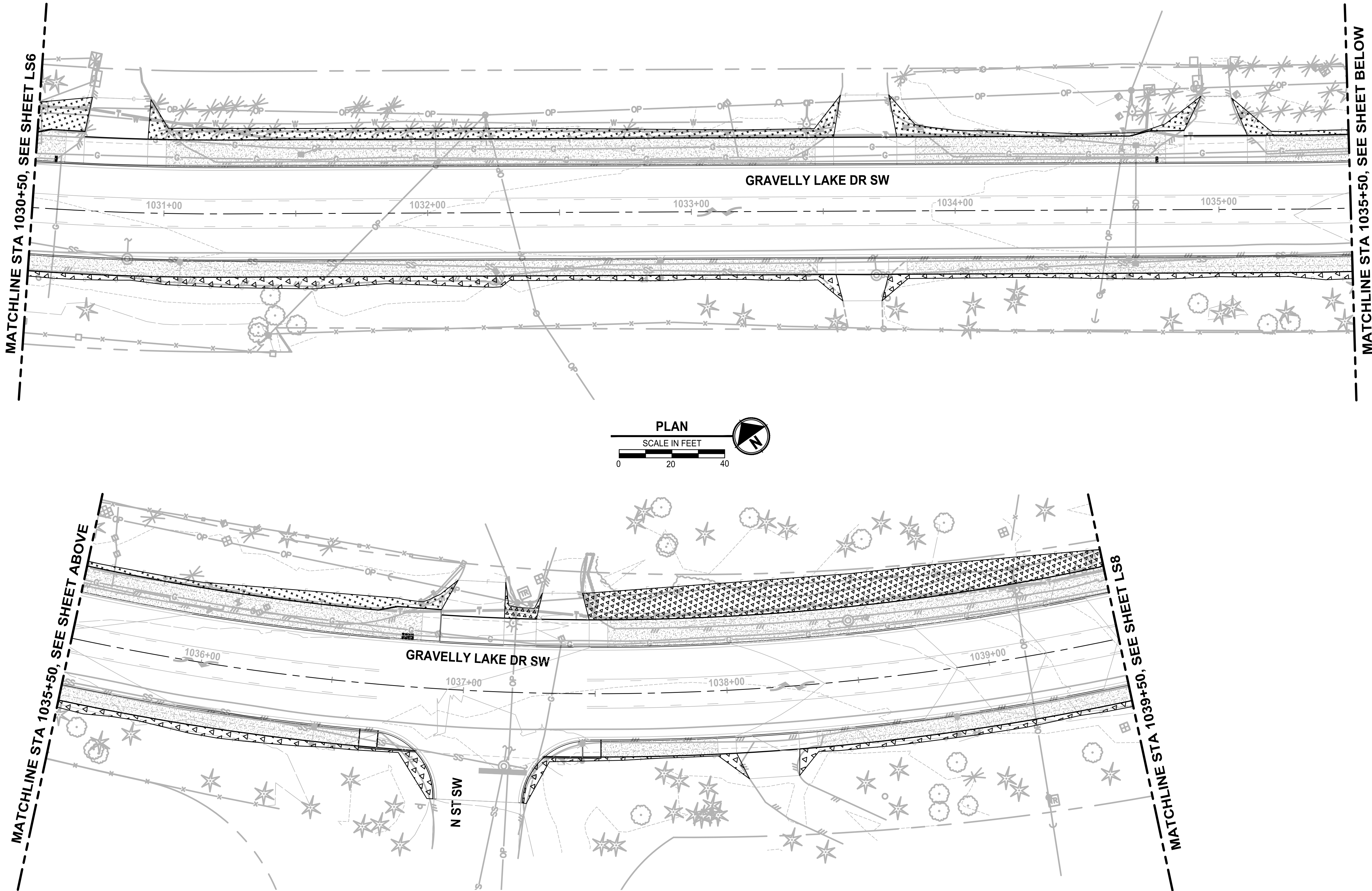


PROJECT NAME
JBLM NORTH ACCESS ROAD IMPROVEMENTS - PHASE 1
LAKEWOOD, WASHINGTON

LANDSCAPE PLAN GRAVELLY LAKE DR SW

DRAWING NO. 99 OF 153
LS6

PATH: U:\PSO\Projects\Clients\3047-City of Lakewood\214-3047-013_JBLM North Access Road\Drawings\CADD\DWG PLOTTED BY: toyoket DATE: Monday, February 1, 2021 4:19:51 PM LAYOUT: LS7



LANDSCAPE LEGEND:

- UPRIGHT HORNBEAM - AS SHOWN
- GREEN PILLAR PIN OAK - AS SHOWN
- SPIRE CHERRY - AS SHOWN
- CRIMSON POINT PLUM - AS SHOWN
- COMPACT CORAL BARBERRY - @ 4' O.C.
- KELSEY REDTWIG DOGWOOD - @ 2.5' O.C.
- BLUE OAT GRASS - @ 2.5' O.C.
- DAYLILY MIX - @ 1.5' O.C.
- MEDITERRANEAN PINK HEATH - @ 1.5' O.C.
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- 2'-3' ROUNDED RIVER ROCK BOULDERS. SEE LS26, DTL 4.

RESTORATION LEGEND:

- 2" DEPTH CRUSHED SURFACING TOP COURSE. BLEND TO EXISTING
- SEEDING, FERTILIZING, AND MULCHING (HYDROSEED)
- 2" TOPSOIL TYPE A AND 3" BARK MULCH

NOTES:

- SEE SHEET LS12 FOR LANDSCAPE SCHEDULE AND LANDSCAPE NOTES AND PLANTING DETAILS.
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REVISIONS	DATE	BY	DESIGNED
			D. SANDENO
			DRAWN
			D. BAILEY
			CHECKED
			F. IDE
			APPROVED
			A. FISHER

ONE INCH AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY

FILE NAME
PS3047013-LS13-20

JOB No.
214-3047-013

DATE
FEBRUARY 2021



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2106 PACIFIC AVE, SUITE 300
TACOMA, WA 98402
P 253.627.4367
WWW.BCRADESIGN.COM

PROJECT NAME

**JBLM NORTH ACCESS ROAD
IMPROVEMENTS - PHASE 1**

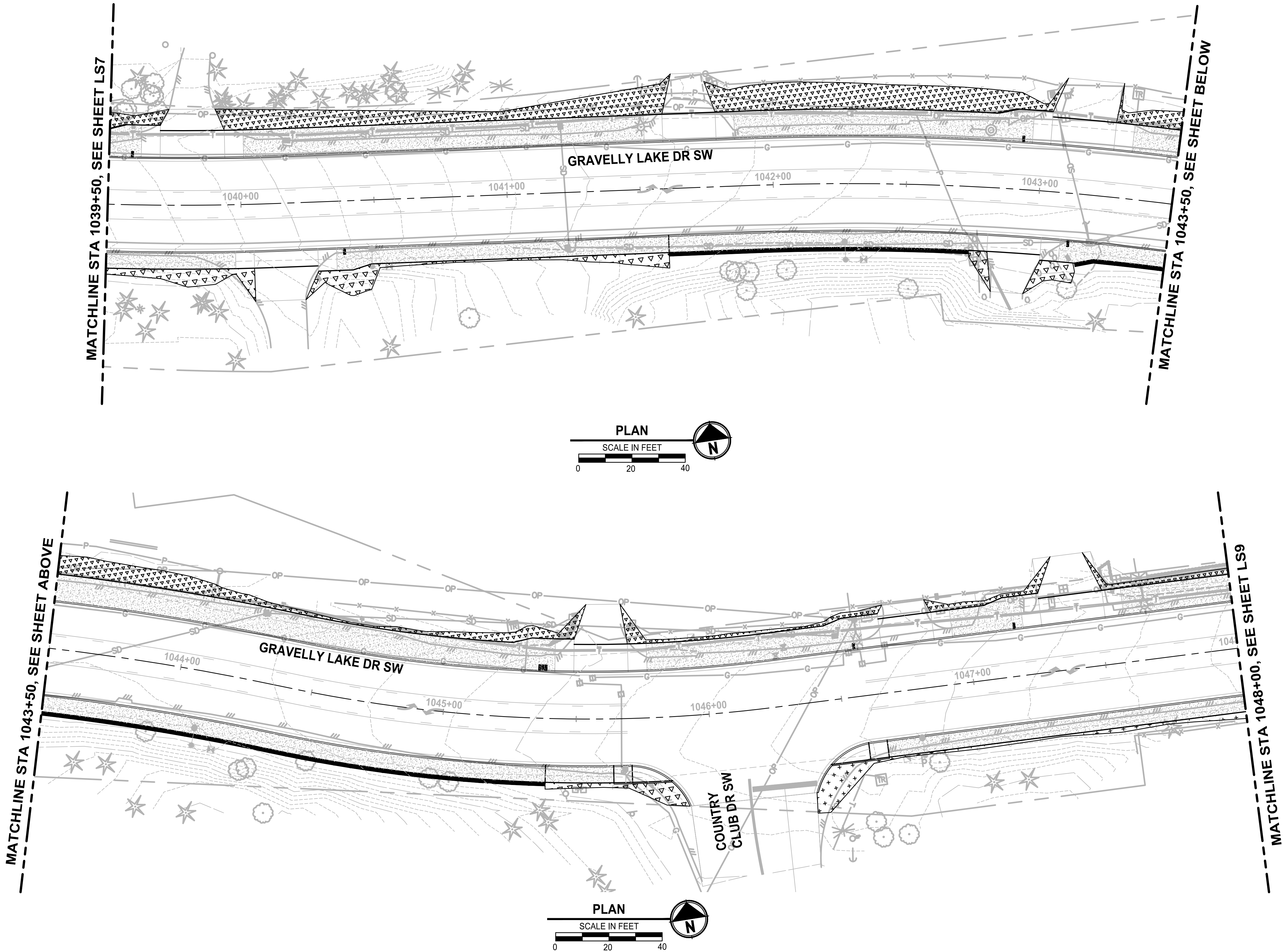
LAKEWOOD, WASHINGTON

**LANDSCAPE PLAN
GRAVELLY LAKE DR SW**

DRAWING NO.
100 OF 153

LS7

PATH: U:\PSO\Projects\Clients\3047-City of Lakewood\214-3047-013_JBLM North Access\995\scs\CADD\DWG PLOTTED BY: toyfact DATE: Monday, February 1, 2021 4:20:36 PM LAYOUT: LS8



LANDSCAPE LEGEND:

- UPRIGHT HORNBEAM - AS SHOWN
- GREEN PILLAR PIN OAK - AS SHOWN
- SPIRE CHERRY - AS SHOWN
- CRIMSON POINT PLUM - AS SHOWN
- COMPACT CORAL BARBERRY - @ 4' O.C.
- KELSEY REDTWIG DOGWOOD - @ 2.5' O.C.
- BLUE OAT GRASS - @ 2.5' O.C.
- DAYLILY MIX - @ 1.5' O.C.
- MEDITERRANEAN PINK HEATH - @ 1.5' O.C.
- MOUNT VERNON ENGLISH LAUREL - @ 2.5' O.C.
- 4"-6" RIVER ROCK COBBLES 12" DEPTH
- 1"-2" RIVER ROCK 4" DEPTH
- 2'-3' ROUNDED RIVER ROCK BOULDERS. SEE LS26, DTL 4.

RESTORATION LEGEND:

- 2" DEPTH CRUSHED SURFACING TOP COURSE. BLEND TO EXISTING
- SEEDING, FERTILIZING, AND MULCHING (HYDROSEED)
- 2" TOPSOIL TYPE A AND 3" BARK MULCH

NOTES:

- SEE SHEET LS12 FOR LANDSCAPE SCHEDULE AND LANDSCAPE NOTES AND PLANTING DETAILS.
- ALL LANDSCAPE SHRUB PLANTING AREAS SHALL RECEIVE 12" MIN. UNIFORM DEPTH APPROVED IMPORTED TOPSOIL TYPE 'A'.
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- ALL RESTORATION AREAS SHOWN DIAGRAMMATICALLY ONLY. FIELD ADJUST AS NECESSARY TO MATCH ADJACENT EXISTING CONDITIONS. ALL AREAS DISTURBED BY CONSTRUCTION TO BE RESTORED.

REVISIONS	DATE	BY	DESIGNED D. SANDENO
			DRAWN D. BAILEY
			CHECKED F. IDE
			APPROVED A. FISHER

ONE INCH AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY

FILE NAME
PS3047013-LS13-20

JOB No.
214-3047-013

DATE
FEBRUARY 2021



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TACOMA, WA 98402
P 253.627.4367
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PROJECT NAME

**JBLM NORTH ACCESS ROAD
IMPROVEMENTS - PHASE 1**

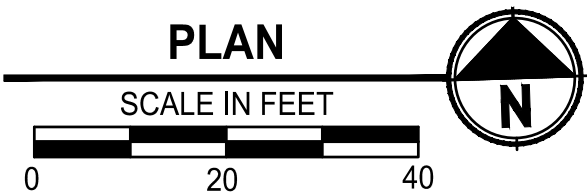
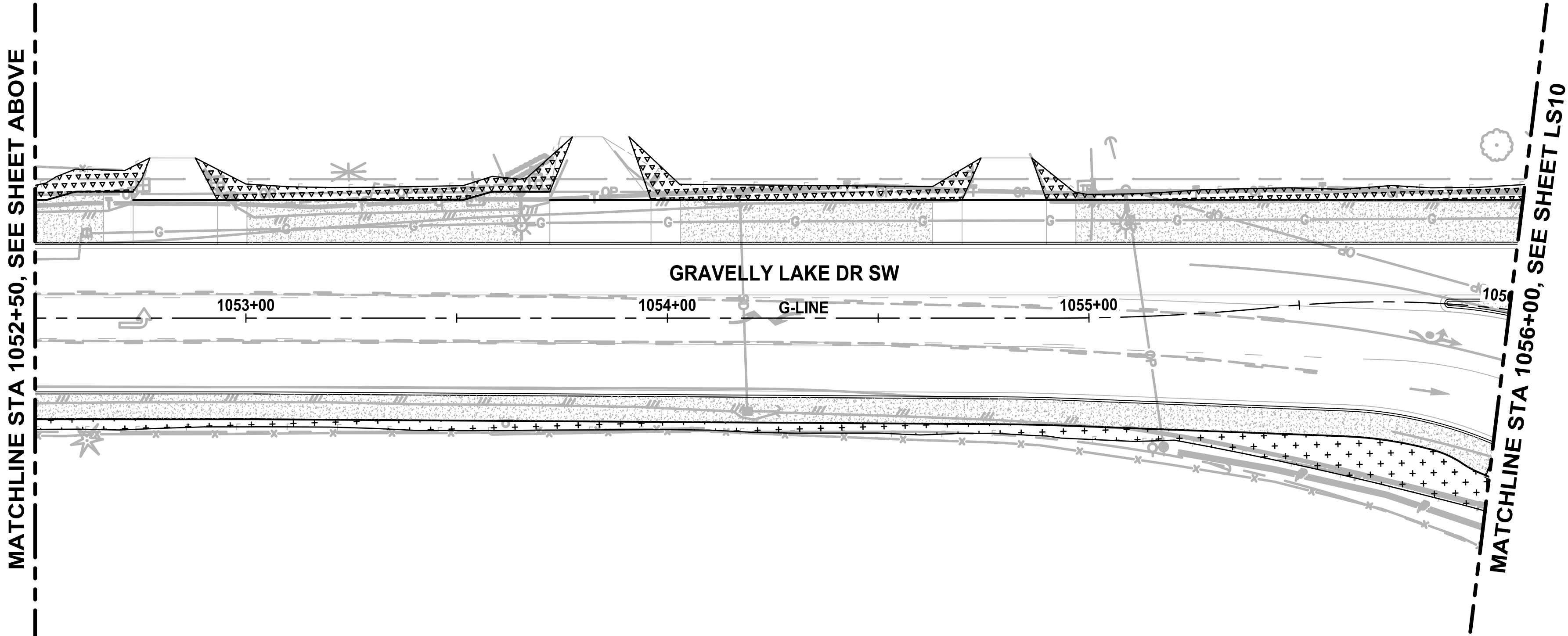
LAKEWOOD, WASHINGTON

**LANDSCAPE PLAN
GRAVELLY LAKE DR SW**

DRAWING NO.
101 OF 153

LS8

PATH: U:\PSO\Projects\Clients\3047-City of Lakewood\214-3047-013_JBLM North Access\99Scs\CADD\DWG PLOTTED BY: toyfact DATE: Monday, February 1, 2021 4:32:03 PM LAYOUT: LS9



ONE INCH AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY

FILE NAME
PS3047013-LS21-27

JOB No.
214-3047-013

DATE
FEBRUARY 2021



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P 253.627.4367
WWW.BCRDESIGN.COM

PROJECT NAME

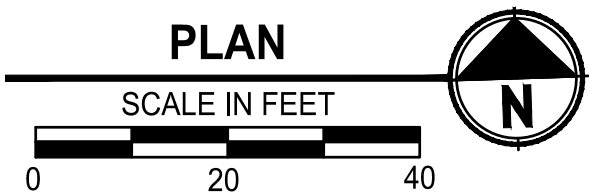
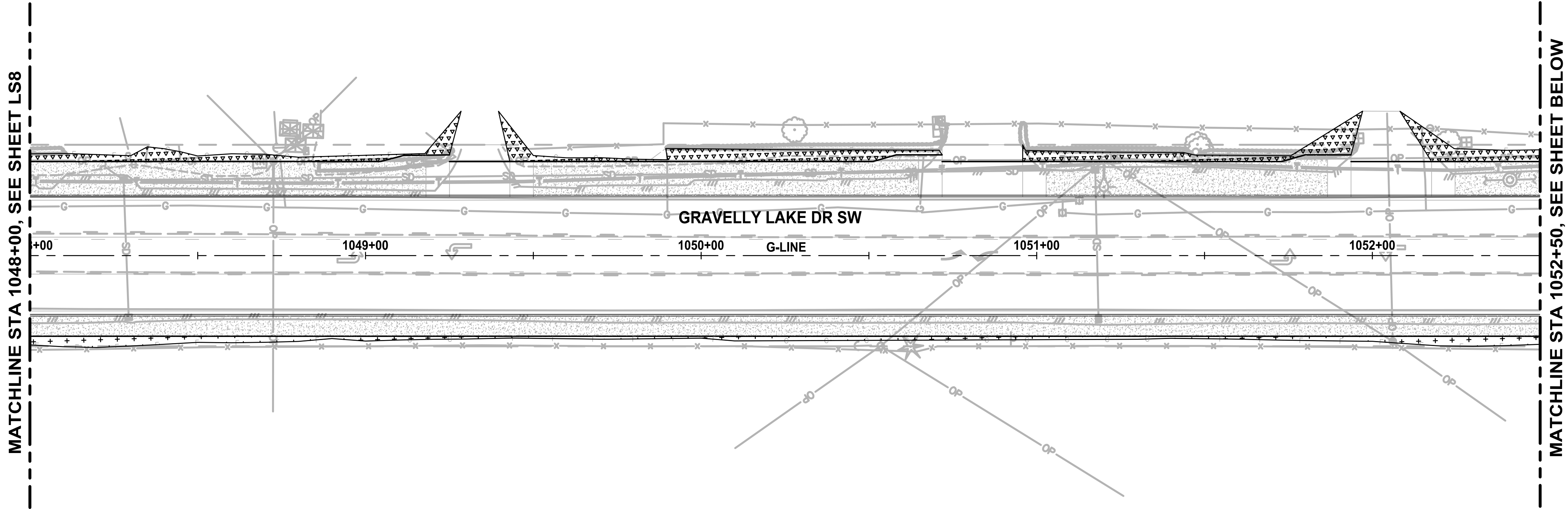
**JBLM NORTH ACCESS ROAD
IMPROVEMENTS - PHASE 1**

LAKEWOOD, WASHINGTON

**LANDSCAPE PLAN
GRAVELLY LAKE DR SW**

DRAWING NO.
102 OF 153

LS9



LANDSCAPE LEGEND:

- UPRIGHT HORNBEAM - AS SHOWN
- GREEN PILLAR PIN OAK - AS SHOWN
- SPIRE CHERRY - AS SHOWN
- CRIMSON POINT PLUM - AS SHOWN
- COMPACT CORAL BARBERRY - @ 4' O.C.
- KELSEY REDTWIG DOGWOOD - @ 2.5' O.C.
- BLUE OAT GRASS - @ 2.5' O.C.
- DAYLILY MIX - @ 1.5' O.C.
- MEDITERRANEAN PINK HEATH - @ 1.5' O.C.
- MOUNT VERNON ENGLISH LAUREL - @ 2.5' O.C.
- 4"-6" RIVER ROCK COBBLES 12" DEPTH
- 1"-2" RIVER ROCK 4" DEPTH
- 2'-3' ROUNDED RIVER ROCK BOULDERS. SEE LS26, DTL 4.

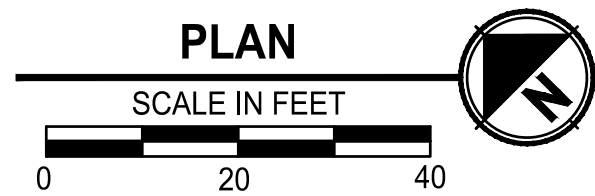
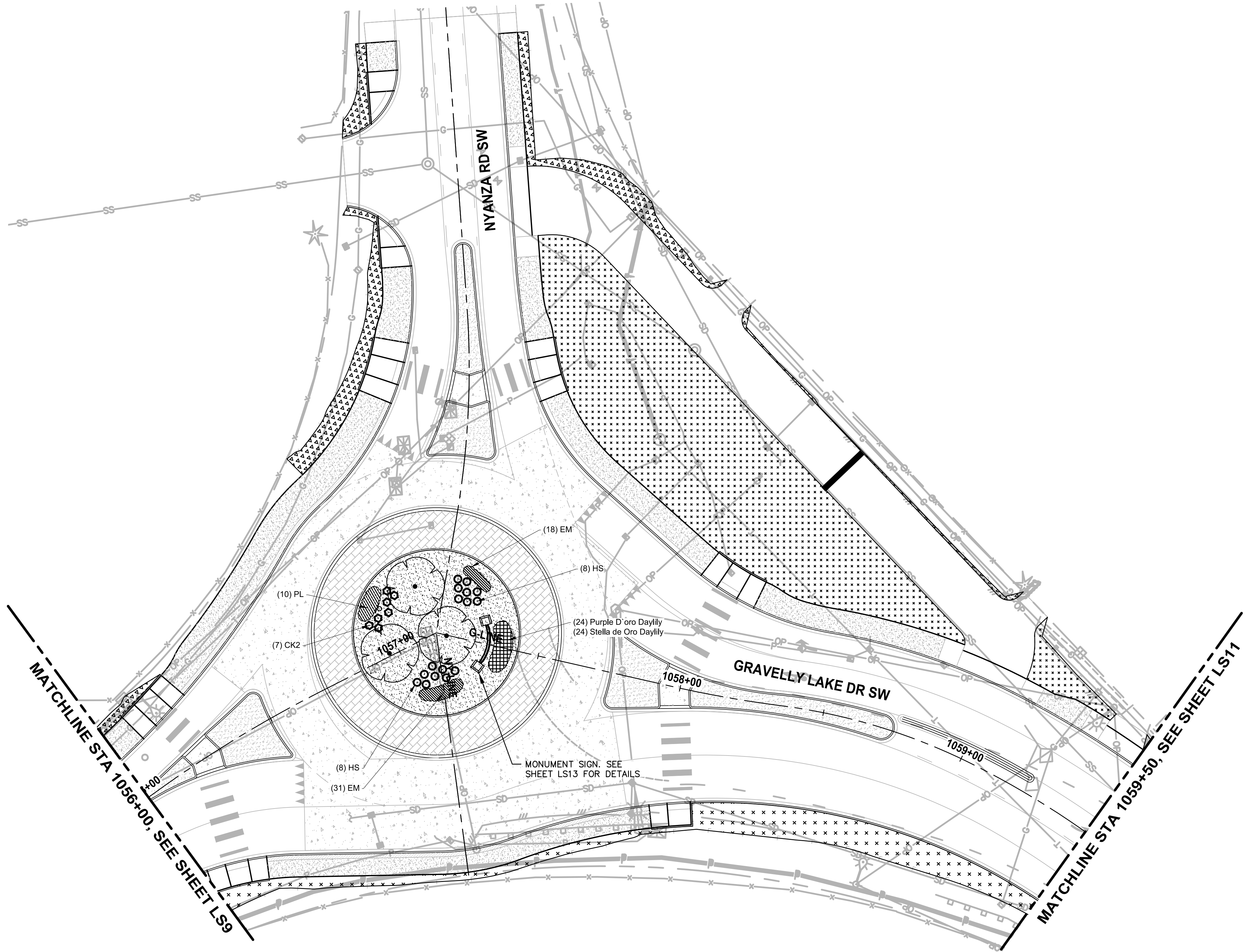
RESTORATION LEGEND:

- 2" DEPTH CRUSHED SURFACING TOP COURSE. BLEND TO EXISTING
- SEEDING, FERTILIZING, AND MULCHING (HYDROSEED)
- 2" TOPSOIL TYPE A AND 3" BARK MULCH

NOTES:

- SEE SHEET LS12 FOR LANDSCAPE SCHEDULE AND LANDSCAPE NOTES AND PLANTING DETAILS.
- ALL LANDSCAPE SHRUB PLANTING AREAS SHALL RECEIVE 12" MIN. UNIFORM DEPTH APPROVED IMPORTED TOPSOIL TYPE 'A'.
- ALL LANDSCAPE PLANTING AREAS SHALL RECEIVE 3" UNIFORM DEPTH APPROVED BARK MULCH EXCEPT WHERE SHOWN WITH RIVER ROCK AND ONLY TREE PLANTING RINGS RECEIVE BARK MULCH.
- ALL RESTORATION AREAS SHOWN DIAGRAMMATICALLY ONLY. FIELD ADJUST AS NECESSARY TO MATCH ADJACENT EXISTING CONDITIONS. ALL AREAS DISTURBED BY CONSTRUCTION TO BE RESTORED.

PATH: U:\PSO\Projects\Clients\3047-City of Lakewood\214-3047-013_JBLM North Access\99Sves\CADD\DWG PLOTTED BY: toyekot DATE: Monday, February 1, 2021 4:32:27 PM LAYOUT: LS10



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P 253.627.4367
WWW.BCRDESIGN.COM

PROJECT NAME
**JBLM NORTH ACCESS ROAD
IMPROVEMENTS - PHASE 1**
LAKEWOOD, WASHINGTON

**LANDSCAPE PLAN
GRAVELLY LAKE DR
NYANZA RD SW**

DRAWING NO.
103 OF 153
LS10

LANDSCAPE LEGEND:

- UPRIGHT HORNBEAM - AS SHOWN
- GREEN PILLAR PIN OAK - AS SHOWN
- SPIRE CHERRY - AS SHOWN
- CRIMSON POINT PLUM - AS SHOWN
- COMPACT CORAL BARBERRY - @ 4' O.C.
- KELSEY REDTWIG DOGWOOD - @ 2.5' O.C.
- BLUE OAT GRASS - @ 2.5' O.C.
- DAYLILY MIX - @ 1.5' O.C.
- MEDITERRANEAN PINK HEATH - @ 1.5' O.C.
- MOUNT VERNON ENGLISH LAUREL - @ 2.5' O.C.
- 4"-6" RIVER ROCK COBBLES 12" DEPTH
- 1"-2" RIVER ROCK 4" DEPTH
- 2'-3' ROUNDED RIVER ROCK BOULDERS. SEE LS26, DTL 4.

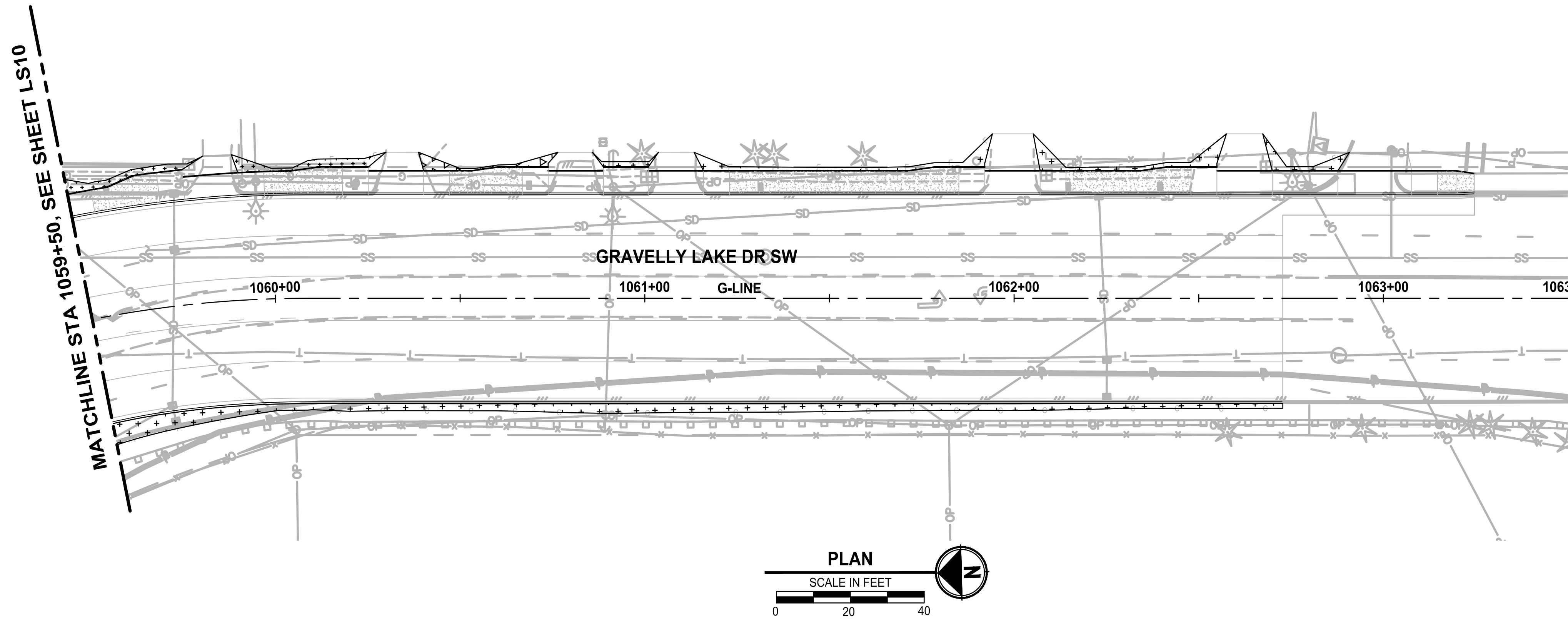
RESTORATION LEGEND:

- 2" DEPTH CRUSHED SURFACING TOP COURSE. BLEND TO EXISTING
- SEEDING, FERTILIZING, AND MULCHING (HYDROSEED)
- 2" TOPSOIL TYPE A AND 3" BARK MULCH

NOTES:

- SEE SHEET LS12 FOR LANDSCAPE SCHEDULE AND LANDSCAPE NOTES AND PLANTING DETAILS.
- ALL LANDSCAPE SHRUB PLANTING AREAS SHALL RECEIVE 12" MIN. UNIFORM DEPTH APPROVED IMPORTED TOPSOIL TYPE 'A'.
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PATH: U:\PSO\Projects\Clients\3047-City of Lakewood\214-3047-013_JBLM NorthAccess\99Sves\CAOD\DWG PLOTTED BY: tayekot DATE: Monday, February 1, 2021 4:32:51 PM LAYOUT: LS11



LANDSCAPE LEGEND:

- UPRIGHT HORNBEAM - AS SHOWN
- GREEN PILLAR PIN OAK - AS SHOWN
- SPIRE CHERRY - AS SHOWN
- CRIMSON POINT PLUM - AS SHOWN
- COMPACT CORAL BARBERRY - @ 4' O.C.
- KELSEY REDTWIG DOGWOOD - @ 2.5' O.C.
- BLUE OAT GRASS - @ 2.5' O.C.
- DAYLILY MIX - @ 1.5' O.C.
- MEDITERRANEAN PINK HEATH - @ 1.5' O.C.
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- 4"-6" RIVER ROCK COBBLES 12" DEPTH
- 1"-2" RIVER ROCK 4" DEPTH
- 2'-3' ROUNDED RIVER ROCK BOULDERS. SEE LS26, DTL 4.

RESTORATION LEGEND:

- 2" DEPTH CRUSHED SURFACING TOP COURSE. BLEND TO EXISTING
- SEEDING, FERTILIZING, AND MULCHING (HYDROSEED)
- 2" TOPSOIL TYPE A AND 3" BARK MULCH

NOTES:

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REVISIONS	DATE	BY	DESIGNED
			D. SANDENO
			DRAWN
			D. BAILEY
			CHECKED
			F. IDE
			APPROVED
			A. FISHER

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME
PS3047013-LS21-27
JOB No.
214-3047-013
DATE
FEBRUARY 2021



PROJECT NAME
JBLM NORTH ACCESS ROAD IMPROVEMENTS - PHASE 1
LAKEWOOD, WASHINGTON

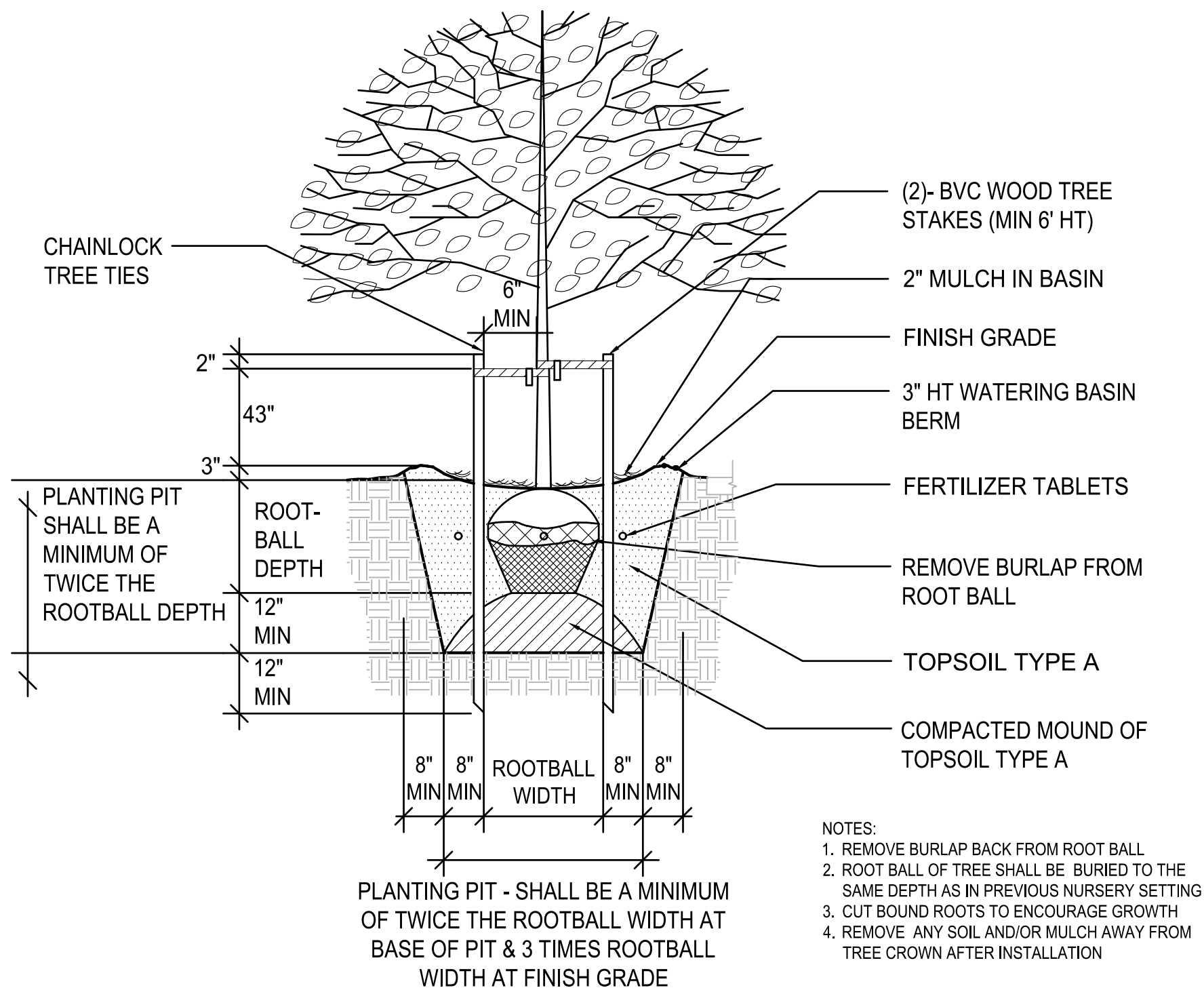
LANDSCAPE PLAN GRAVELLY LAKE DR NYANZA RD SW
--

DRAWING NO. 104 OF 153
LS11

PATH: U:\PSO\Projects\Clients\3047-City of Lakewood\214-3047-013_JBLM North Access\99Sves\CADD\DWG PLOTTED BY: toyekot DATE: Monday, February 1, 2021 4:32:53 PM LAYOUT: LS12

PLANT_SCHEDULE

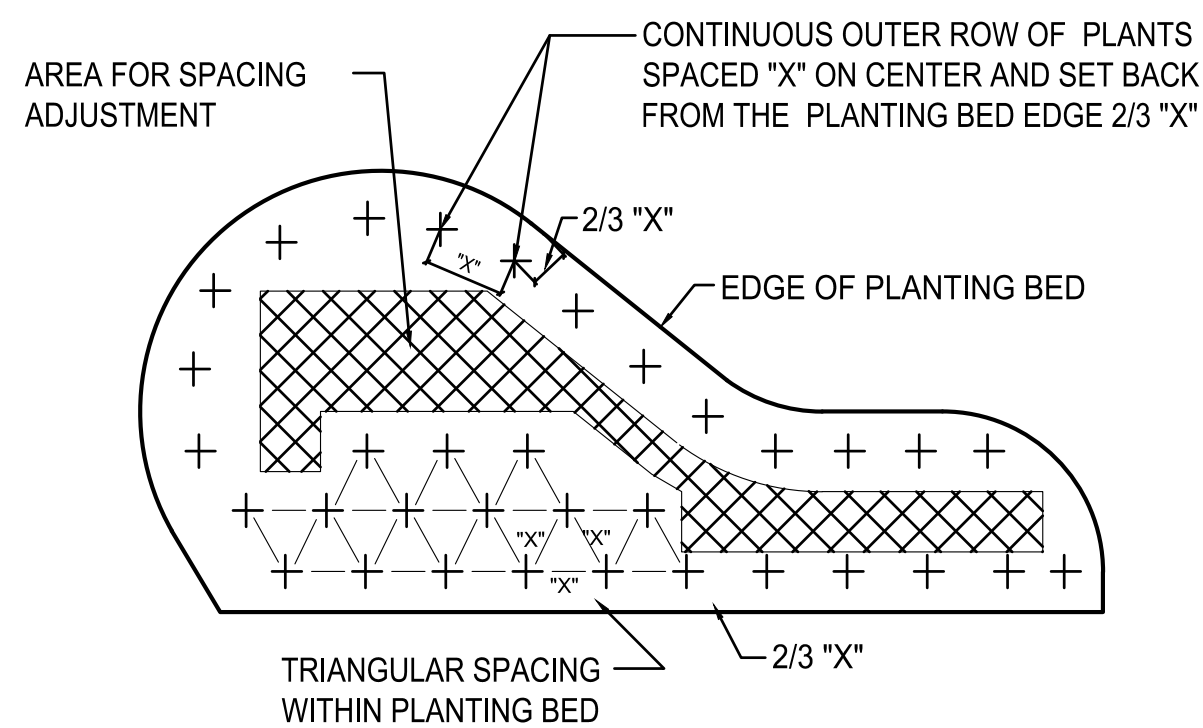
TREES	CODE	QTY	BOTANICAL / COMMON NAME	CAL.	
	CC	3	CARPINUS BETULUS 'COLUMNARIS' / COLUMNAR EUROPEAN HORNBEAM	3" CAL / B&B	
	MA	3	MALUS TSCHONOSKII / PILLAR APPLE	3" CAL / B&B	
	PC	22	PRUNUS X CERASIFERA 'CRIPOIZAM' / CRIMSON POINTE FLOWERING PLUM	3" CAL / B&B	
	PX	17	PRUNUS X HILLIERI 'SPIRE' / SPIRE CHERRY	3" CAL / B&B	
	QP	4	QUERCUS PALUSTRIS 'PRINGREEN' TM / GREENPILLAR PIN OAK	3" CAL / B&B	
SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	CONT	
	BC	26	BERBERIS X STENOPHYLLA 'CORALLINA COMPACTA' / COMPACT CORAL BARBERRY	#2 CONT	
	CK2	29	CORNUS SERICEA 'KELSEY' / KELSEY DWARF REDTWIG DOGWOOD	#2 CONT	
	HS	64	HELICTOTRICHON SEMPERVIRENS / BLUE OAT GRASS	#1 CONT	
GROUND COVERS	CODE	QTY	BOTANICAL / COMMON NAME	CONT	SPACING
		70	HEMEROCALLIS X 'PURPLE D'ORO' / PURPLE D'ORO DAYLILY	DAYLILY	
		70	HEMEROCALLIS X 'STELLA DE ORO' / STELLA DE ORO DAYLILY	1G	18" o.c.
	EM	331	ERICA X DARLEYENSIS 'MEDITERRANEAN PINK' / MEDITERRANEAN PINK HEATH	1G	18" o.c.
	PL	150	PRUNUS LAUROCERASUS 'MOUNT VERNON' / MOUNT VERNON LAUREL	#2 CONT	30" o.c.
		38	2'-3' ROUNDED RIVER BOULDERS, VARYING SIZES AND ORIENTATION	SEE DETAIL #4 THIS SHEET	



TREE PLANTING W/TREE WELL
DETAIL

NOT TO SCALE

1



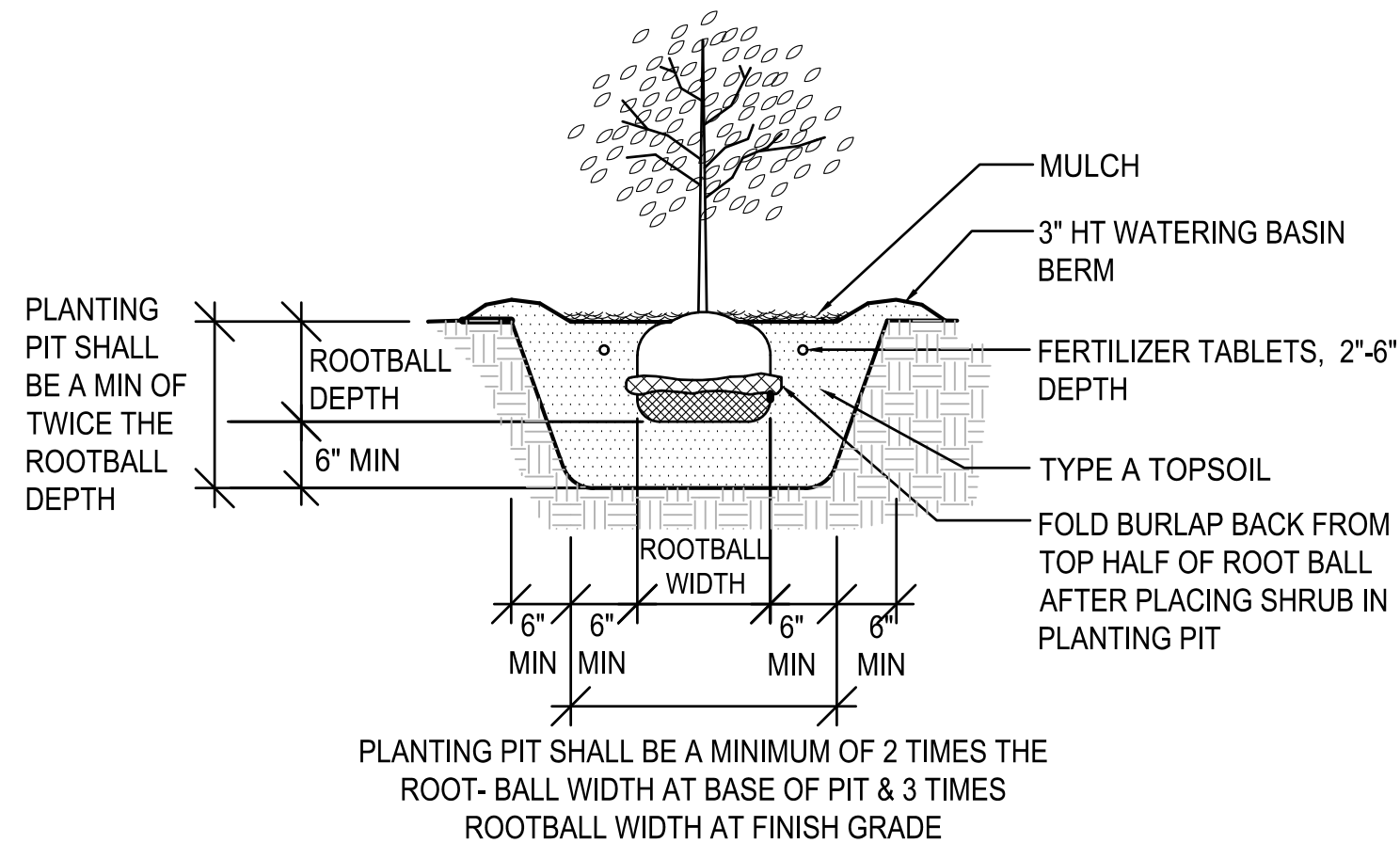
SPECIFIED PLANT SPACING="X"

INDIVIDUAL PLANTS REPRESENTED AS: +

PLANT SPACING DETAIL

NOT TO SCALE

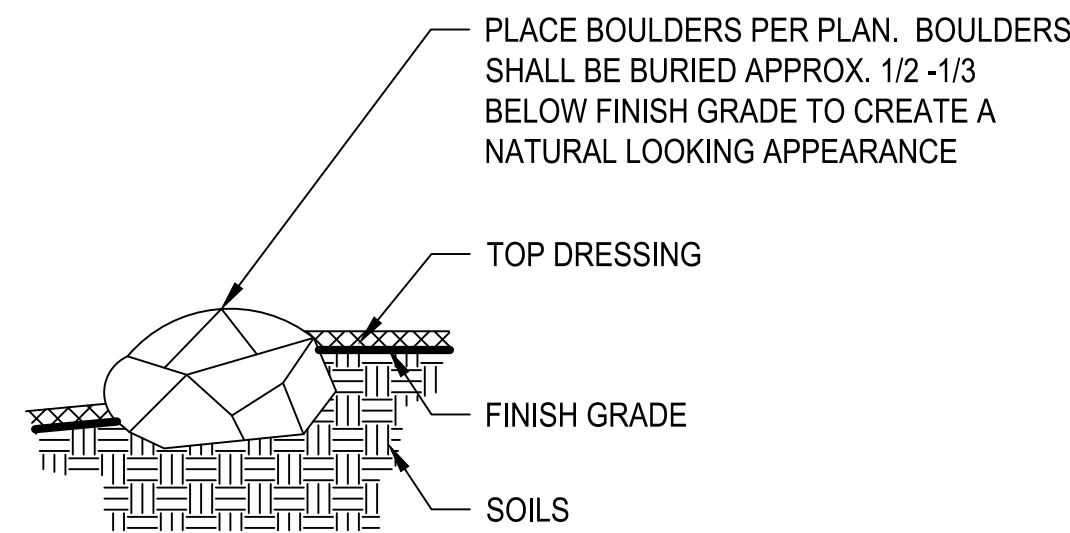
2



CONTAINER
SHRUB PLANTING
DETAIL

NOT TO SCALE

3



NOTES:
1. ALL BOULDERS SHALL BE 2'-0" FROM BACK OF CURB.
2. THE TOP OF ALL BOULDERS WITHIN MEDIAN SHALL BE LESS THAN 18" ABOVE TOP OF CURB.
3. BOULDER CLUSTERS TO BE PLACED IRREGULARLY AND ARE VARYING HEIGHTS

BOULDER PLACEMENT
DETAIL

NO SCALE

T&P

GENERAL LANDSCAPE NOTES:

- REFER TO THIS SHEET FOR PLANT INSTALLATION DETAILS.
- ALL WORK SHALL BE PERFORMED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE/CITY.
- CONTRACTOR IS REQUIRED TO VERIFY EXISTING UTILITY LOCATIONS PRIOR TO CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR A THOROUGH CLEAN-UP FOR HIS/HER RESPECTIVE WORK, DAILY AND AT PROJECT CLOSE-OUT.
- CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING IMPROVEMENTS. DAMAGE TO THE EXISTING IMPROVEMENTS BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AND/OR QUALIFIED INSTALLERS/TRADES ACCEPTABLE TO THE SOLE SATISFACTION OF THE CONSTRUCTION OBSERVER AND AT NO COST TO THE OWNER.
- ALL LANDSCAPE SHRUB PLANTING AREAS SHALL RECEIVE 12" MIN. UNIFORM DEPTH IMPORTED TOPSOIL TYPE 'A'. MEDIAN TO RECEIVE TOPSOIL ONLY AT TREE PLANTING WELLS IN ACCORDANCE WITH TREE PLANTING DETAIL.
- PLANT MATERIALS SHALL MEET STANDARDS SET FORTH IN THE LATEST EDITION OF THE AMERICAN ASSOCIATION OF NURSERYMEN STANDARD (ANSI Z60.1) AND WASHINGTON STATE STANDARDS FOR NURSERY STOCK ORDER NO. 1627. ALL PLANT MATERIALS SHALL HAVE SUFFICIENT ROOT DEVELOPMENT TO ASSURE SURVIVAL AND HEALTHY GROWTH. CONTAINER GROWN PLANT MATERIALS ARE REQUIRED TO HAVE SUFFICIENT ROOT GROWTH TO HOLD THE SOIL INTACT WHEN REMOVED FROM THE CONTAINER, BUT SHALL NOT BE ROOT BOUND.
- PLANT LIST QUANTITIES ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES IN LIST WITH PLAN CALL-OUTS AND INSTALLING PLANTINGS PER THE LANDSCAPE PLAN. GROUND COVER QUANTITIES SHALL BE ADJUSTED AS REQUIRED FOR FIELD CONDITIONS AT THE SPECIFIC SPACING.
- PRIOR TO BARK PLACEMENT, ALL SHRUB BED AREAS SHALL BE TREATED WITH A PRE-EMERGENT HERBICIDE. FOLLOW ALL MANUFACTURER'S APPLICATION INSTRUCTIONS. PREEMERGENT HERBICIDE SHALL BE ELANCO XL2G OR APPROVED EQUAL.
- MULCH SHALL BE INSTALLED TO DEPTH OF 3 INCHES IN ALL NEW PLANTING AREAS. PRIOR TO MULCH PLACEMENT GRADE SHALL BE BROUGHT TO A UNIFORM LINE WITH NO SURFACE IRREGULARITIES. WATERING BERMS AROUND PLANTS SHALL BE HAND COMPACTED AND OF A SMOOTH AND EVEN GRADE PRIOR TO MULCH PLACEMENT. MULCH SHALL BE WATER-COMPACTED UPON PLACEMENT.
- NO SUBSTITUTIONS SHALL BE CONSIDERED FOR PLANTS OR OTHER MATERIALS DURING THE BIDDING PROCESS.
- CONTRACTOR SHALL WARRANTY ALL PLANT MATERIALS FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE HAS BEEN GRANTED. OWNER SHALL THEN ASSUME ALL RESPONSIBILITIES FOR MAINTAINING ALL PLANTS IN A HEALTHY GROWING CONDITION FOR THE LIFE OF THIS PROJECT.
- LANDSCAPE MATERIALS & QUANTITIES WILL BE FIELD ADJUSTED TO FIT ACTUAL CONDITIONS, IF NECESSARY. COORDINATE LANDSCAPE CONSTRUCTION AND REVIEWS W/ OWNER'S REPRESENTATIVE.
- CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED DURING CONSTRUCTION INCLUDING CUT/FILL AREAS SHOWN. ALL AREAS DISTURBED AND NOT SPECIFICALLY SHOWN AS RESTORATION TYPE SHALL MATCH EXISTING CONDITIONS.

REVISIONS	DATE	BY	DESIGNED
			D. SANDENO
			DRAWN
			D. BAILEY
			CHECKED
			F. IDE
			APPROVED
			A. FISHER

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME PS3047013-LS21-27
JOB No. 214-3047-013
DATE FEBRUARY 2021



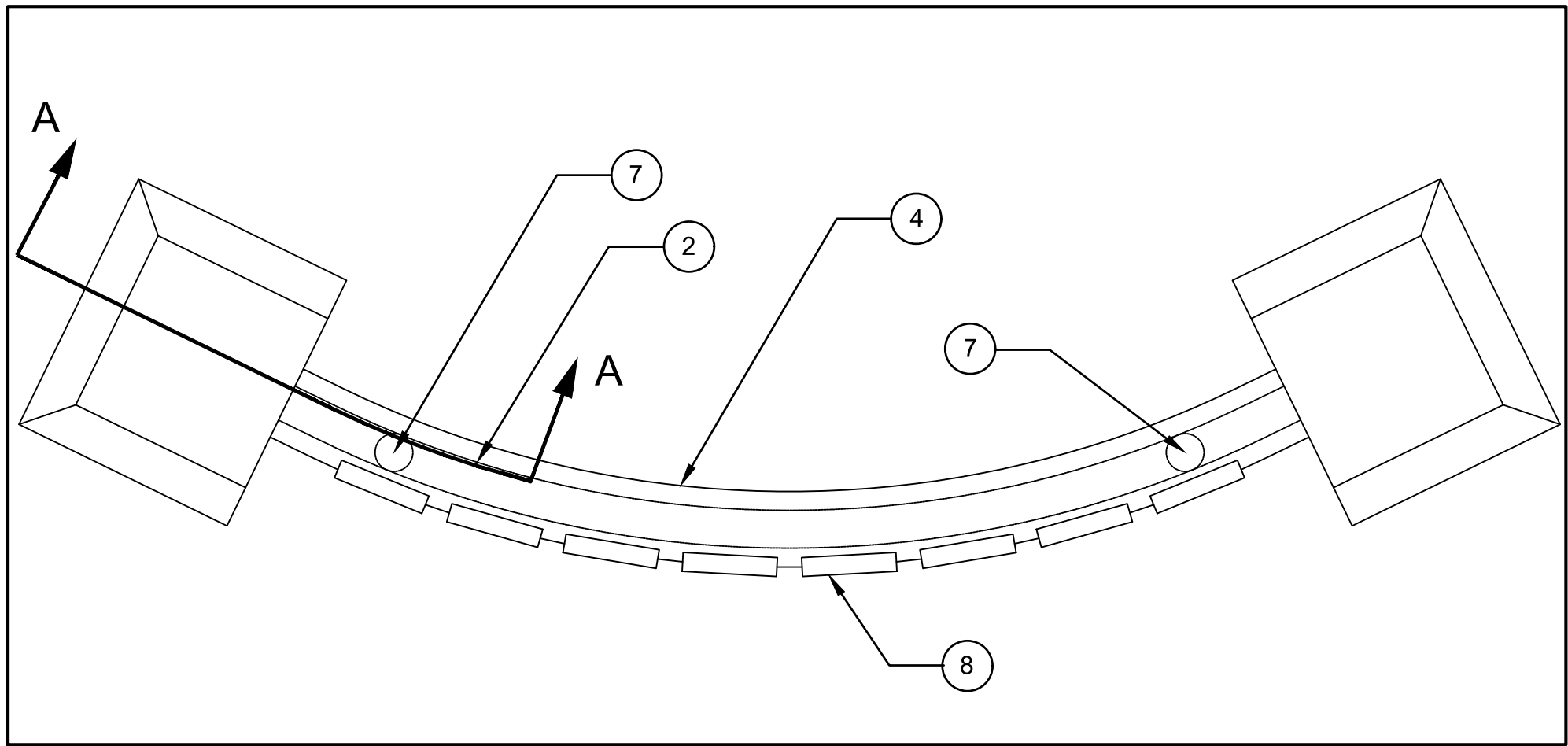
PROJECT NAME
JBLM NORTH ACCESS ROAD IMPROVEMENTS - PHASE 1
LAKEWOOD, WASHINGTON

LANDSCAPE SCHEDULE,
NOTES, & DETAILS

DRAWING NO.
105 OF 153

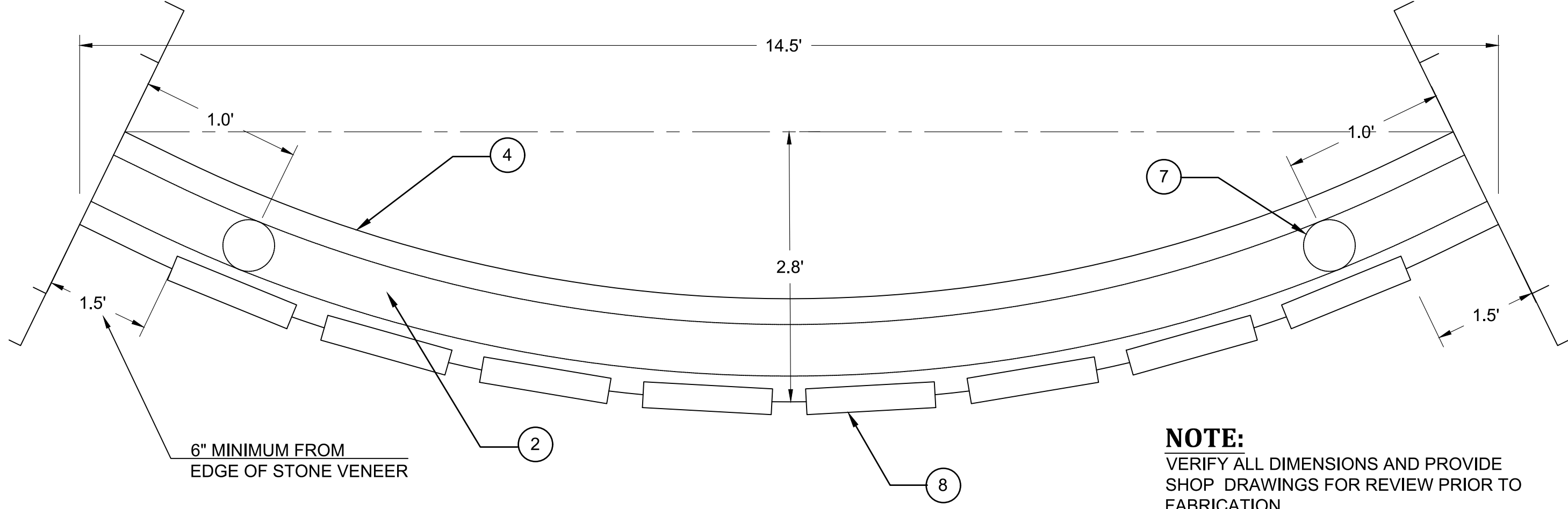
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MONUMENT SIGN PLAN VIEW & LAYOUT

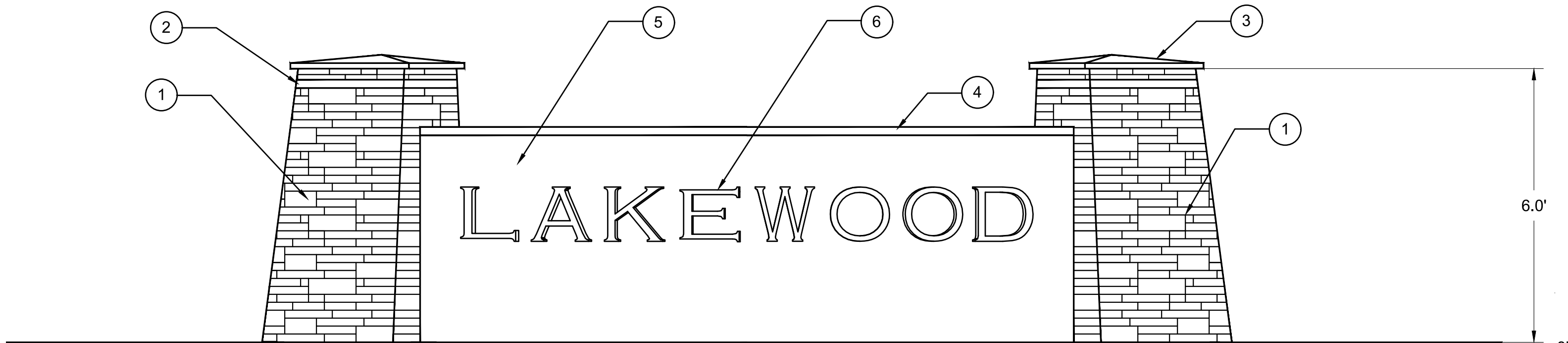
FULL SIZE SCALE
1"=2'



SIGN CABINET - PLAN VIEW

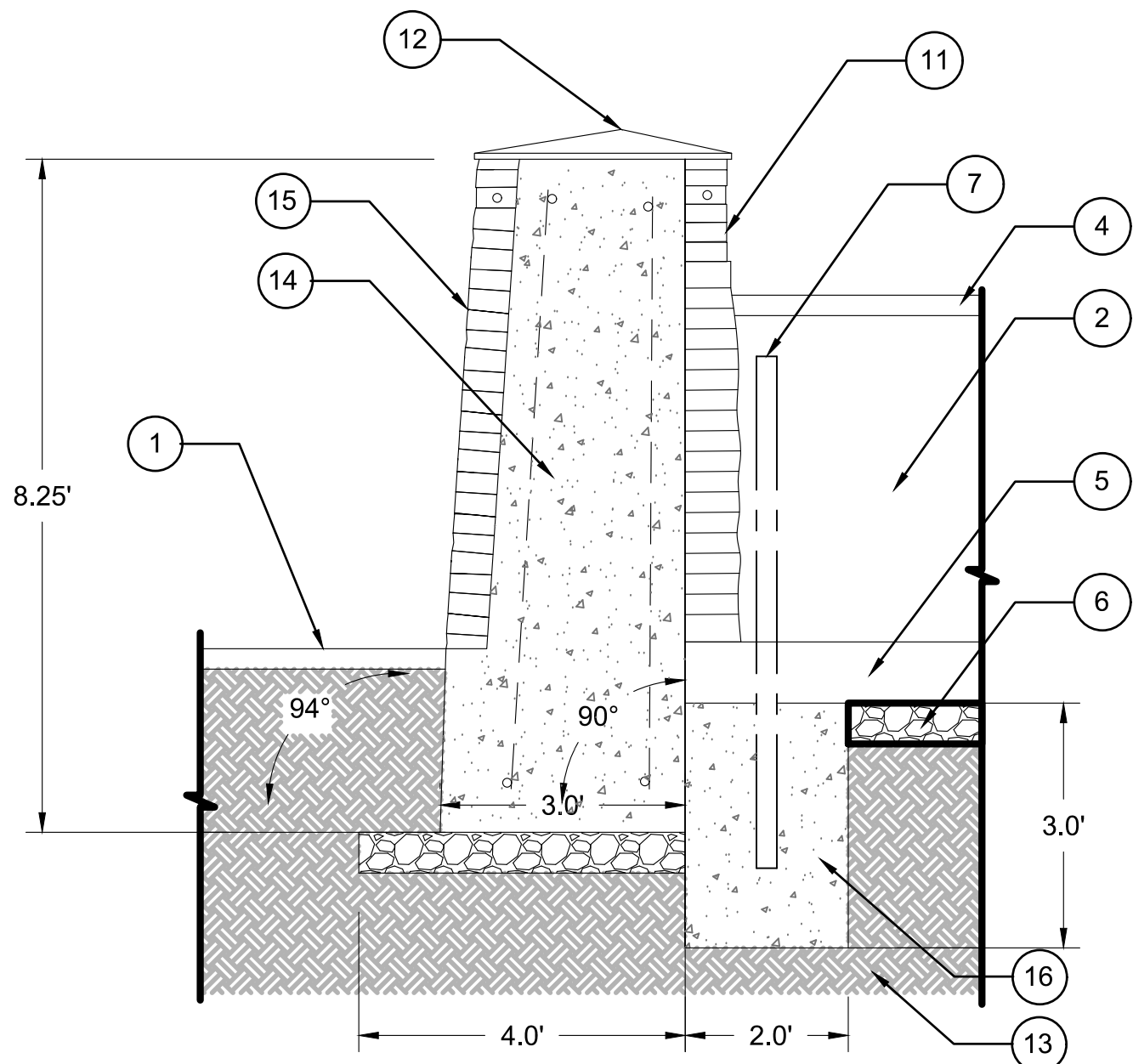
FULL SIZE SCALE
1"=2'

NOTE:
VERIFY ALL DIMENSIONS AND PROVIDE
SHOP DRAWINGS FOR REVIEW PRIOR TO
FABRICATION.



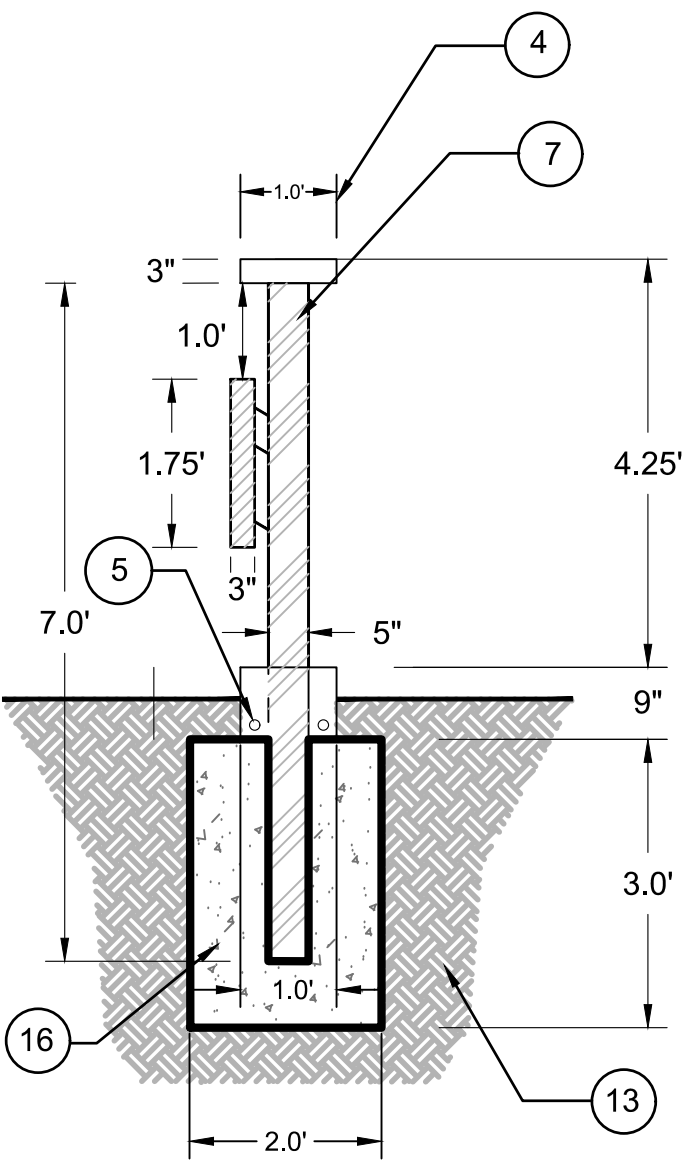
MONUMENT SIGN ELEVATION

FULL SIZE SCALE
1"=2'



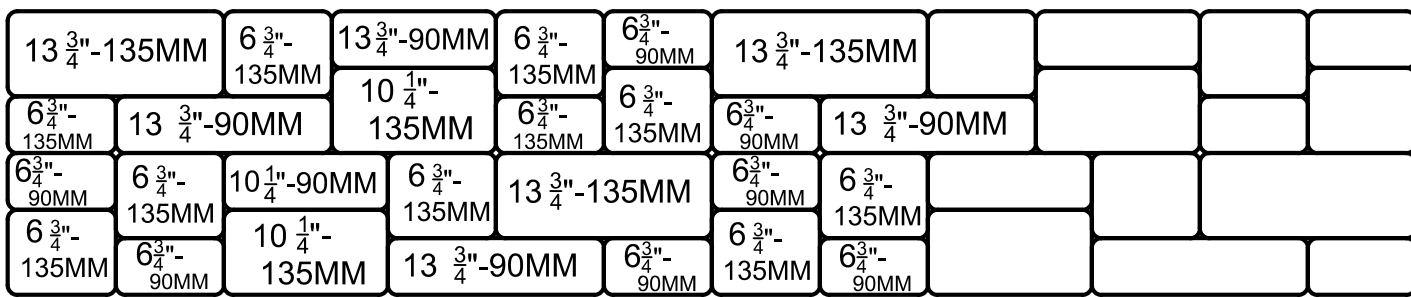
SECTION A-A

FULL SIZE SCALE
1"=2'



SIGN CABINET FOUNDATION DETAIL

FULL SIZE SCALE
1"=2'



PLANTER WALL PATTERN

FULL SIZE SCALE
1"=1'

NOTE:
WALL BLOCK WITH 50% 90 MM UNITS AND 50% 135 MM UNITS.

SECTIONS AND PLAN VIEWS NOTES

- 1 WALL CAP - 90 MM, COLOR SUMMIT BLEND
- 2 SIGN CABINET
- 3 WALL BLOCK, MEDITERRANEAN, COLOR SUMMIT BLEND, VERTICAL INSTALLATION
- 4 ALUMINUM SIGN CABINET CAP, MATCH COLUMN CAP
- 5 SIGN CABINET FOUNDATION, 2 #4 HORIZONTAL
- 6 6" CSTC
- 7 SIGN CABINET SUPPORT POSTS - 3" SCH. 40 ROUND STEEL PIPE
- 8 "LAKEWOOD" LETTERING BOOKMAN OLDSTYLE BOLD FONT SPACE LETTERING EVENLY ALONG FACE OF SIGN CABINET
- 9 3" BARK MULCH
- 10 2' TOP SOIL TYPE A
- 11 BRICK VENEER BAND
- 12 ALUMINUM COLUMN CAP
- 13 COMPACTED SUBGRADE
- 14 COMMERCIAL C.I.P. CONCRETE COLUMN, #4 HOOPS @ 18" O.C. & #4 VERTICAL AT CORNERS
- 15 STONE VENEER
- 16 COMMERCIAL C.I.P. CONCRETE 2' DIAMETER 3' DEEP

MONUMENT SIGN ELEVATION NOTES

- 1 CULTURED STONE VENEER ECHO RIDGE SOUTHERN LEDGESTONE
- 2 BRICK VENEER BAND
- 3 COLUMN CAP, MATCH COLOR, TEXTURE OF SIGN CAP
- 4 WALL BLOCK SUMMIT BLEND. 50% 90 MM AND 50% 135 MM SIZES - SEE PLANTER WALL PATTERN, 90 MM WALL CAP
- 5 SIGN CABINET: 5" THICK BY 4' HEIGHT CABINET, FACE 0.125 MM ALUMINUM WITH OUT SEAMS, SIDE TOP, BOTTOM AND REAR, 0.090 MM INSIDE; REAR THREE PANELS FOR ACCESS. NO EXPOSED FASTENERS; COLORS - 1001 BEIGE
- 6 REVERSE PAN CHANNEL LETTERS "LAKEWOOD" IN BOOKMAN BOLD, 3" DEEP AND INTERNALLY ILLUMINATED. LED MINIMUM OF 200 NIT BRIGHTNESS. FACES OF LETTERS 0.125 ALUMINUM AND RETURNS 0.090. PIN MOUNTED APPROXIMATELY 1 1/2" OFF THE FACE; COLOR - 8028 (BROWN)

REVISIONS	DATE	BY	DESIGNED
			D. SANDENO
			DRAWN
			D. BAILEY
			CHECKED
			F. IDE
			APPROVED
			A. FISHER

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY.
FILE NAME PS3047013-LS21-27
JOB No. 214-3047-013
DATE FEBRUARY 2021



PROJECT NAME
JBLM NORTH ACCESS ROAD IMPROVEMENTS - PHASE 1
LAKEWOOD, WASHINGTON

MONUMENT SIGN DETAILS

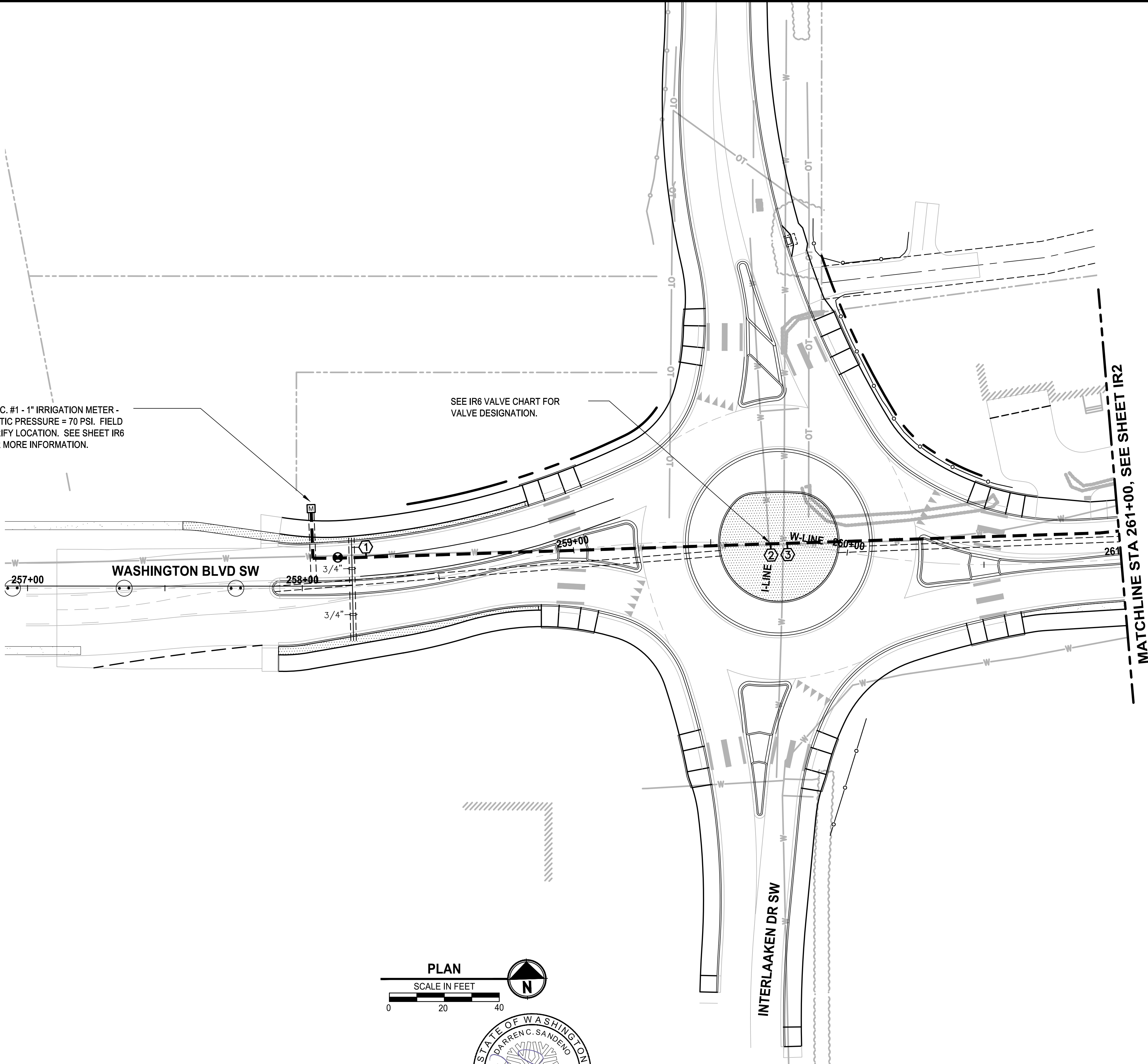
DRAWING NO.
106 OF 153

LS13

PATH: U:\P50\Projects\Clients\3047-City of Lakewood\214-3047-013 JBLM North Access\98Sves\CADD\DWG PLOTTED BY: toyokaf DATE: Tuesday, February 2, 2021 1:57:11 PM LAYOUT: IRT

P.O.C. #1 - 1" IRRIGATION METER -
STATIC PRESSURE = 70 PSI. FIELD
VERIFY LOCATION. SEE SHEET IR6
FOR MORE INFORMATION.

SEE IR6 VALVE CHART FOR
VALVE DESIGNATION.



LEGEND

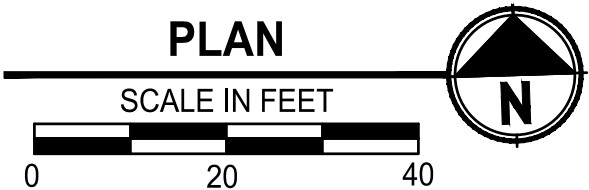
- PROPOSED IRRIGATION METER LOCATION
- PROPOSED IRRIGATION MAINLINE - 1.5" DIA. SCH. 40 PVC UNLESS OTHERWISE NOTED
- PROPOSED IRRIGATION LATERAL LINE - SIZE VARIES - CL 200 PVC
- PROPOSED IRRIGATION CONDUIT - 4" DIA. SCH. 40 PVC
- PROPOSED ZONE VALVE
- BUBBLER IRRIGATION - TWO PER TREE
- SUBSURFACE DRIP IRRIGATION.
- ISOLATION VALVE
- MANUAL DRAIN VALVE

SHEET NOTES:

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IRRIGATION PLAN IS
DIAGRAMMATIC ONLY

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SLEEVED UNDER ALL HARD SURFACING.



PROJECT NAME
**JBLM NORTH ACCESS ROAD
IMPROVEMENTS - PHASE 1**
LAKEWOOD, WASHINGTON

**IRRIGATION PLAN
WASHINGTON BLVD SW**

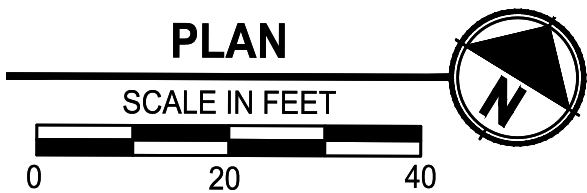
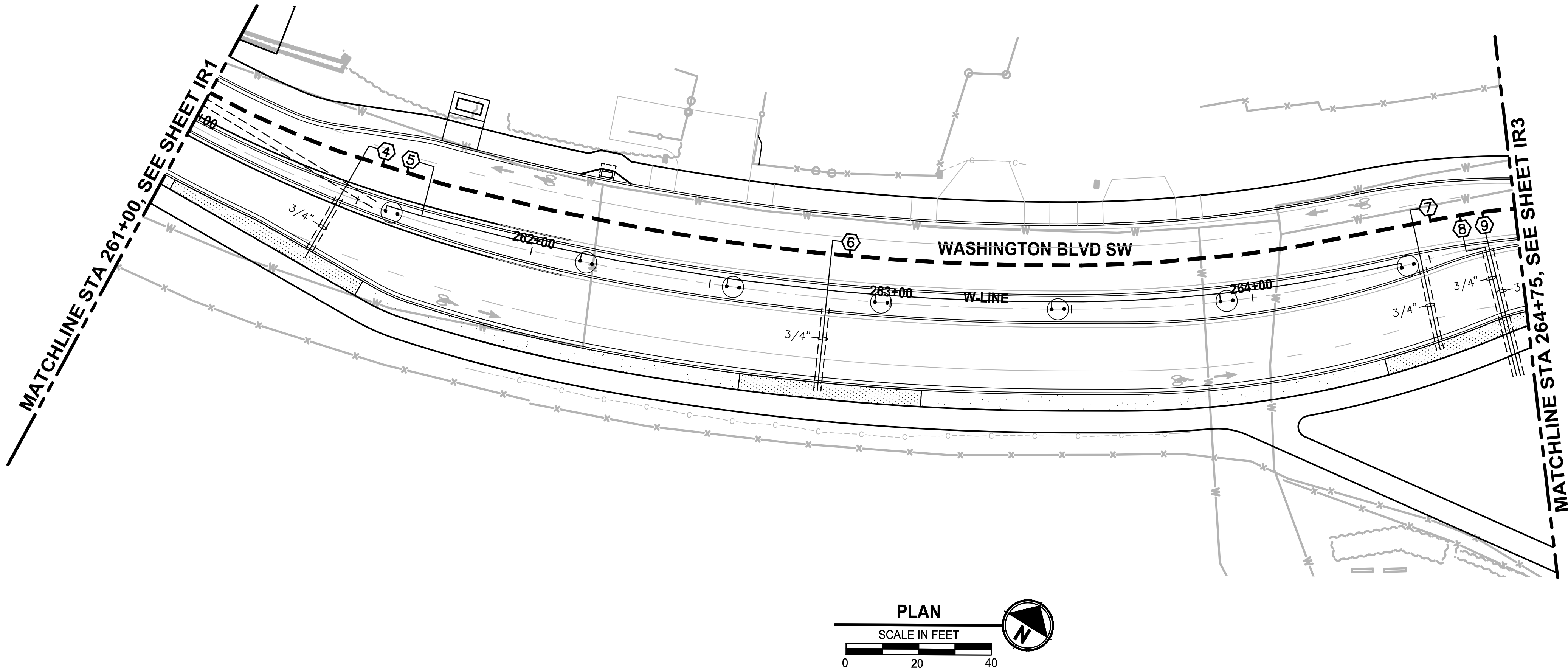
DRAWING NO.
107 OF 153

IR1

REVISIONS	DATE	BY	DESIGNED D. SANDENO
			DRAWN D. BAILEY
			CHECKED F. IDE
			APPROVED A. FISHER

ONE INCH AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY
FILE NAME
PS3047013-IR12-17
JOB No.
214-3047-013
DATE
FEBRUARY 2021

PATH: U:\PSO\Projects\Clients\3047-City of Lakewood\214-3047-013 JBLM North Access\995\cadd\DWG PLOTTED BY: toyokot DATE: Tuesday, February 2, 2021 1:57:58 PM LAYOUT: IR2



LEGEND

- PROPOSED IRRIGATION METER LOCATION
- PROPOSED IRRIGATION MAINLINE - 1.5" DIA. SCH. 40 PVC UNLESS OTHERWISE NOTED
- PROPOSED IRRIGATION LATERAL LINE - SIZE VARIES - CL 200 PVC
- PROPOSED IRRIGATION CONDUIT - 4" DIA. SCH. 40 PVC
- PROPOSED ZONE VALVE
- BUBBLER IRRIGATION - TWO PER TREE
- SUBSURFACE DRIP IRRIGATION.
- ISOLATION VALVE
- MANUAL DRAIN VALVE

SHEET NOTES:

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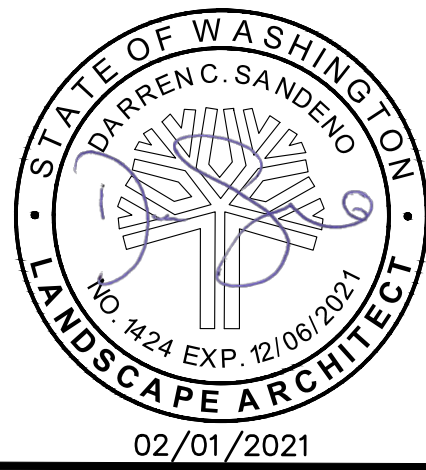
REVISIONS	DATE	BY	DESIGNED
			D. SANDENO
			D. BAILEY
			CHECKED F. IDE
			APPROVED A. FISHER

ONE INCH AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY

FILE NAME
PS3047013-IR12-17

JOB NO.
214-3047-013

DATE
FEBRUARY 2021



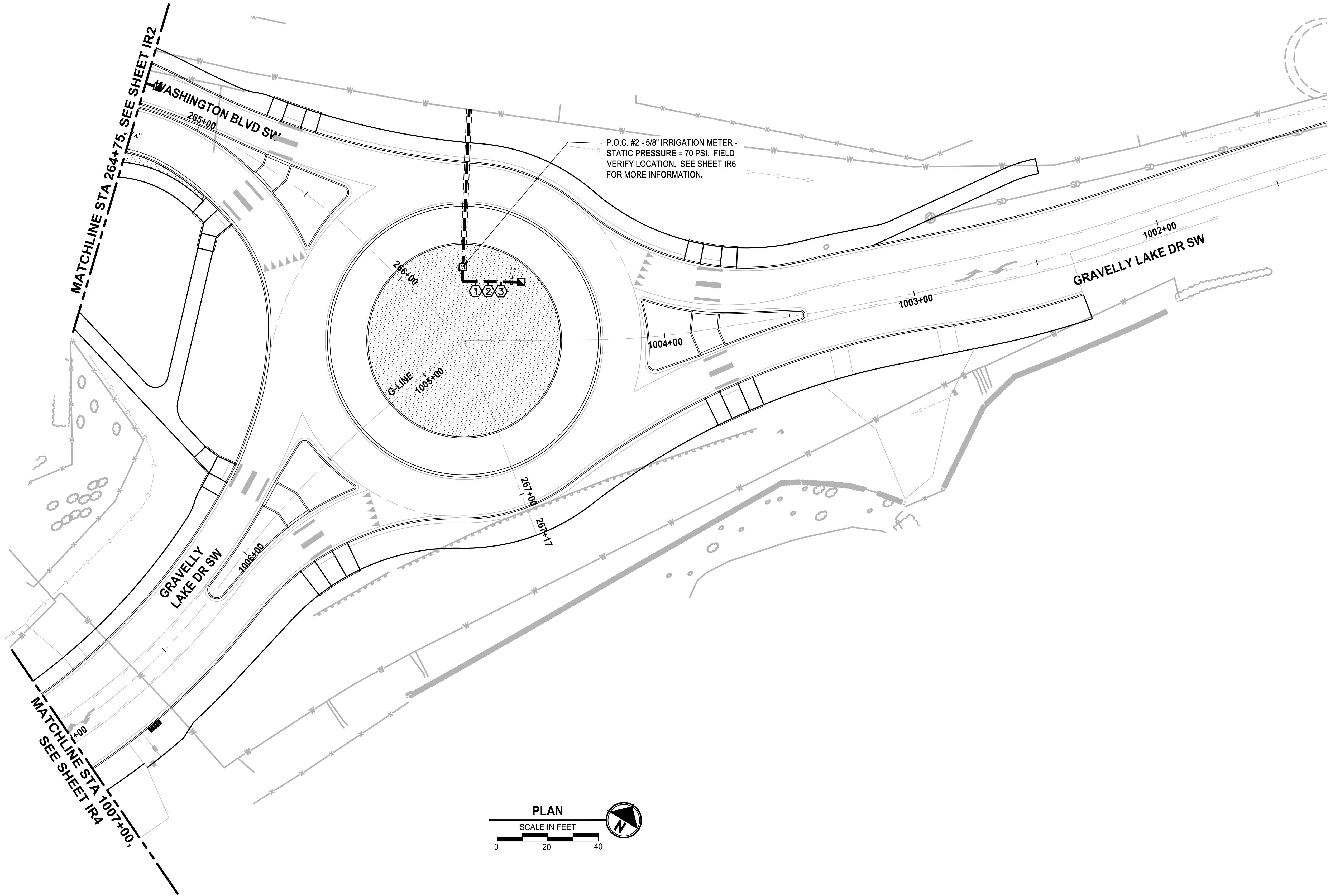
PROJECT NAME
JBLM NORTH ACCESS ROAD IMPROVEMENTS - PHASE 1
LAKEWOOD, WASHINGTON

IRRIGATION PLAN WASHINGTON BLVD SW

DRAWING NO.
108 OF 153

IR2

PATH: U:\PSO\Projects\Clients\3047-City of Lakewood\214-3047-013 JBLM North Access Road\99Svcs\CADD\DWG PLOTTED BY: toy/skat DATE: Tuesday, February 2, 2021 1:59:00 PM LAYOUT: IR3



LEGEND

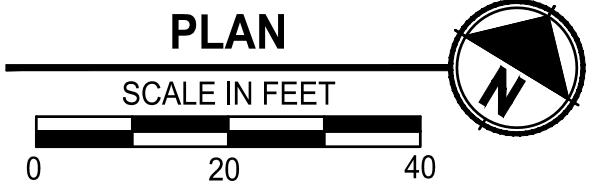
- PROPOSED IRRIGATION METER LOCATION
- PROPOSED IRRIGATION MAINLINE - 1.5" DIA. SCH. 40 PVC UNLESS OTHERWISE NOTED
- PROPOSED IRRIGATION LATERAL LINE - SIZE VARIES - CL 200 PVC
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- PROPOSED ZONE VALVE
- BUBBLER IRRIGATION - TWO PER TREE
- SUBSURFACE DRIP IRRIGATION.
- ISOLATION VALVE
- MANUAL DRAIN VALVE

SHEET NOTES:

- REFER TO IR6 & IR7 FOR CONSTRUCTION NOTES, DETAILS, AND IRRIGATION EQUIPMENT LISTS. REFER TO SEPARATE WRITTEN SPECIFICATIONS FOR DETAILED IRRIGATION SYSTEM INFORMATION.
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IRRIGATION PLAN IS
DIAGRAMMATIC ONLY

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REVISIONS	DATE	BY	DESIGNED
			D. SANDENO
			DRAWN
			D. BAILEY
			CHECKED
			F. IDE
			APPROVED
			A. FISHER

ONE INCH AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY

FILE NAME
PS3047013-IR12-17

JOB No.
214-3047-013

DATE
FEBRUARY 2021



PROJECT NAME

JBLM NORTH ACCESS ROAD
IMPROVEMENTS - PHASE 1

LAKEWOOD, WASHINGTON

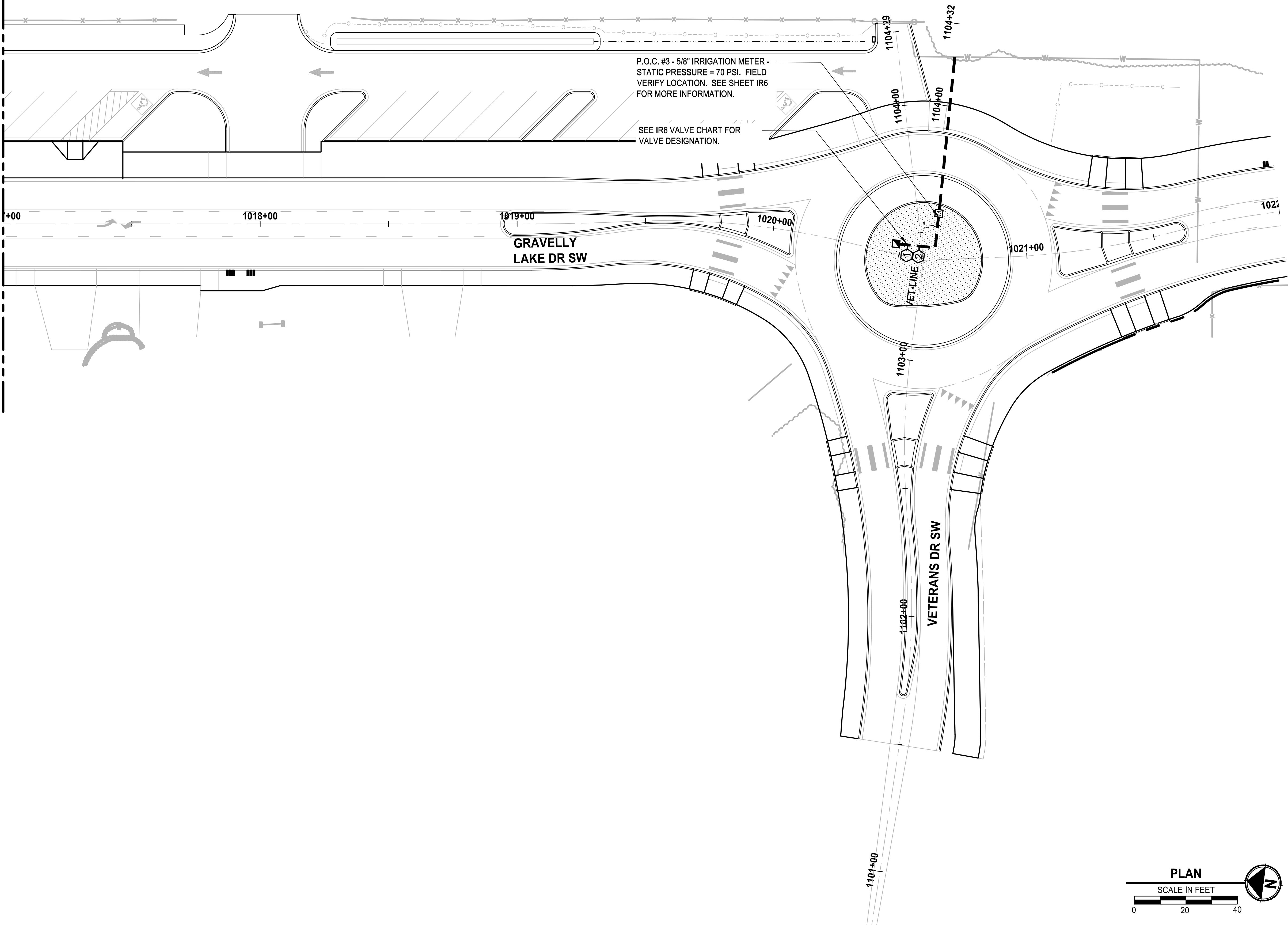
IRRIGATION PLAN
WASHINGTON BLVD SW

DRAWING NO.
109 OF 153

IR3

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MATCHLINE STA 1017+00, SEE SHEET IR3



LEGEND

- PROPOSED IRRIGATION METER LOCATION
- PROPOSED IRRIGATION MAINLINE - 1.5\"/>
- PROPOSED IRRIGATION LATERAL LINE - SIZE VARIES - CL 200 PVC
- PROPOSED IRRIGATION CONDUIT - 4\"/>
- PROPOSED ZONE VALVE
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- ISOLATION VALVE
- MANUAL DRAIN VALVE

SHEET NOTES:

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REVISIONS	DATE	BY	DESIGNED
			D. SANDENO
			D. BAILEY
			F. IDE
			A. FISHER

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PS3047013-IR12-17

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DATE
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Parametrix
ENGINEERING . PLANNING . ENVIRONMENTAL SCIENCES

1019 39TH AVE SE, SUITE 100
PUYALLUP, WA 98374
P 253.604.6600
WWW.PARAMETRIX.COM

b bcr

2106 PACIFIC AVE, SUITE 300
TACOMA, WA 98402
P 253.627.4367
WWW.BCRADESIGN.COM

PROJECT NAME

**JBLM NORTH ACCESS ROAD
IMPROVEMENTS - PHASE 1**

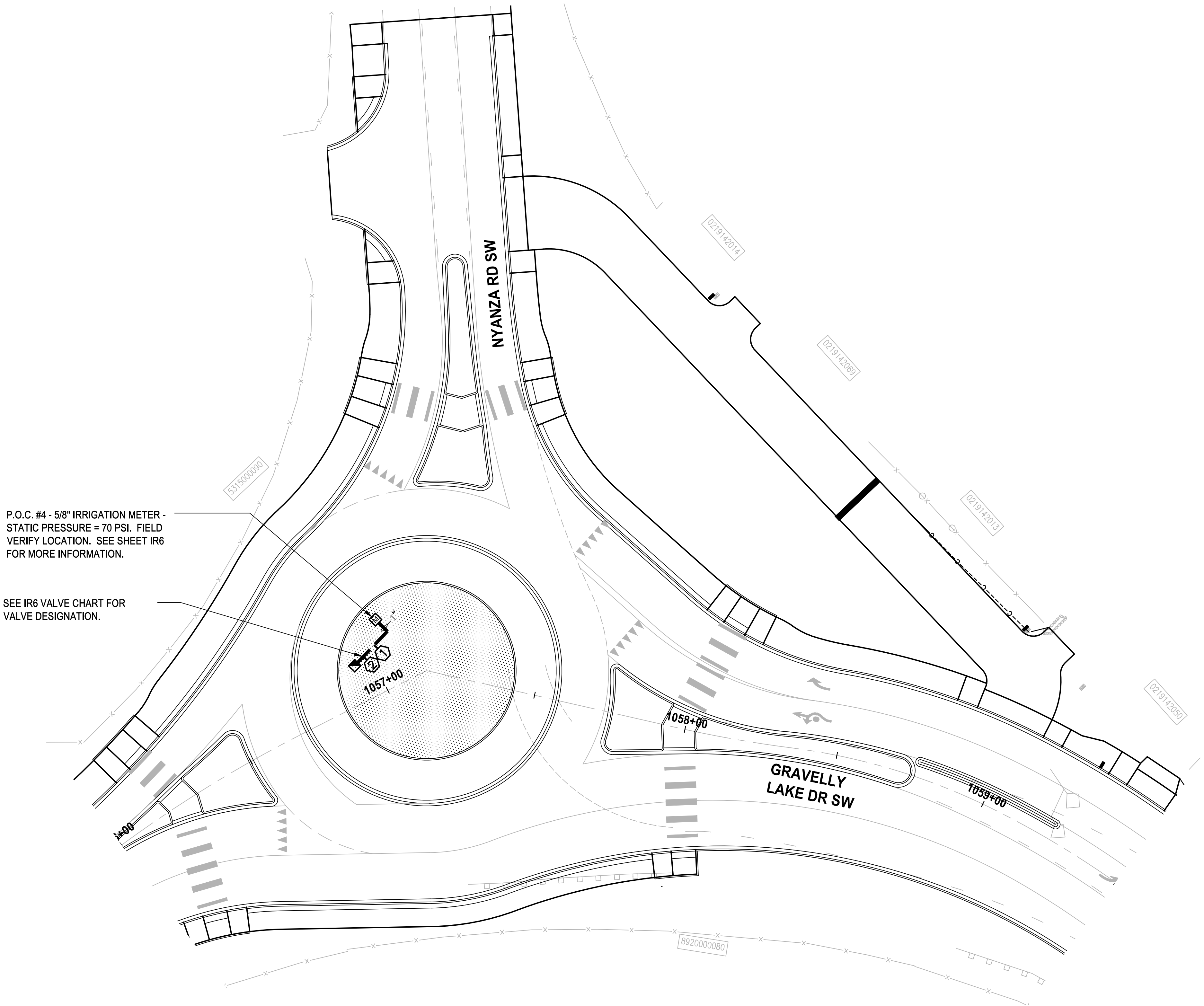
LAKEWOOD, WASHINGTON

**IRRIGATION PLAN
GRAVELLY LAKE DR SW**










DRAWING NO.
110 OF 153

IR4

PATH: U:\PSO\Projects\Clients\3047-City of Lakewood\214-3047-013 JBLM North Access Road\DWG PLOTTED BY: toy/skat DATE: Tuesday, February 2, 2021 2:00:47 PM LAYOUT: IR5



LEGEND

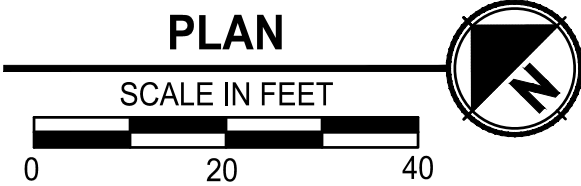
-  PROPOSED IRRIGATION METER LOCATION
-  PROPOSED IRRIGATION MAINLINE - 1.5" DIA. SCH. 40 PVC UNLESS OTHERWISE NOTED
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-  PROPOSED ZONE VALVE
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-  SUBSURFACE DRIP IRRIGATION.
-  ISOLATION VALVE
-  MANUAL DRAIN VALVE

SHEET NOTES:

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- CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS AS NEEDED TO OBTAIN FULL COVERAGE DESIGNER RESERVES THE RIGHT TO MAKE CHANGES AS NEEDED AT NO ADDITIONAL COST. ADJUST NOZZLE & HEAD POSITIONS AND ADD OR DELETE HEADS OR TUBING AS NECESSARY DEPENDING ON ACTUAL FIELD CONDITIONS. CONTRACTOR SHALL VERIFY DESIGN PRESSURES AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK.

IRRIGATION PLAN IS
DIAGRAMMATIC ONLY

ALL IRRIGATION PIPING AND EQUIPMENT SHALL BE PLACED IN MEDIANS AND PLANTED AREAS AND SLEEVED UNDER ALL HARD SURFACING.



ONE INCH AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY

FILE NAME
PS3047013-IR12-17

JOB No.
214-3047-013

DATE
FEBRUARY 2021

Parametrix
ENGINEERING . PLANNING . ENVIRONMENTAL SCIENCES

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2106 PACIFIC AVE, SUITE 300
TACOMA, WA 98402
P 253.627.4367
WWW.BCRADESIGN.COM

PROJECT NAME

**JBLM NORTH ACCESS ROAD
IMPROVEMENTS - PHASE 1**

LAKEWOOD, WASHINGTON

**IRRIGATION PLAN
GRAVELLY LAKE DR SW**

DRAWING NO.
111 OF 153

IR5

REVISIONS	DATE	BY	DESIGNED D. SANDENO
			DRAWN D. BAILEY
			CHECKED F. IDE
			APPROVED A. FISHER

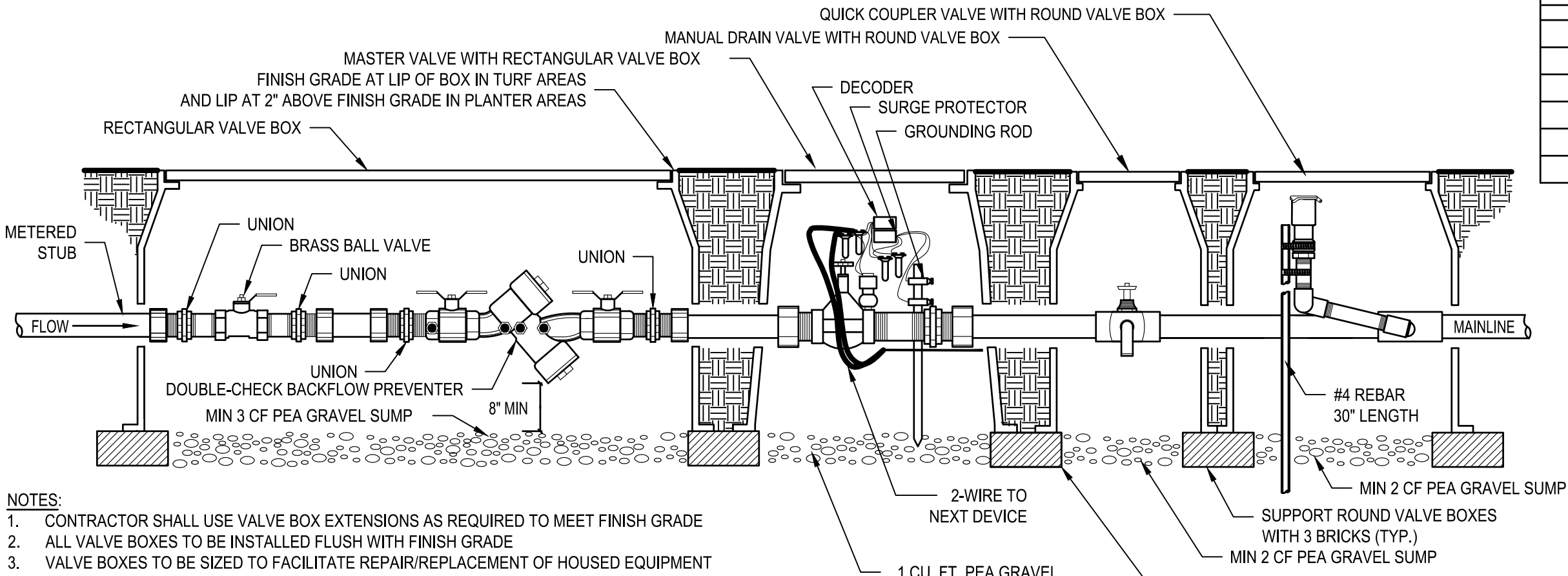
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Valve & Controller Schedule

P.O.C #	MFR.	Controller Model	Valve #s	Size
#1	Hunter	PED-ACC-SS	1-9	1.5"
#2	Rainbird	ESP-9V	1-3	3/4"
#3	Rainbird	ESP-9V	1-2	3/4"
#4	Rainbird	ESP-9V	1-2	3/4"

Irrigation Equipment List

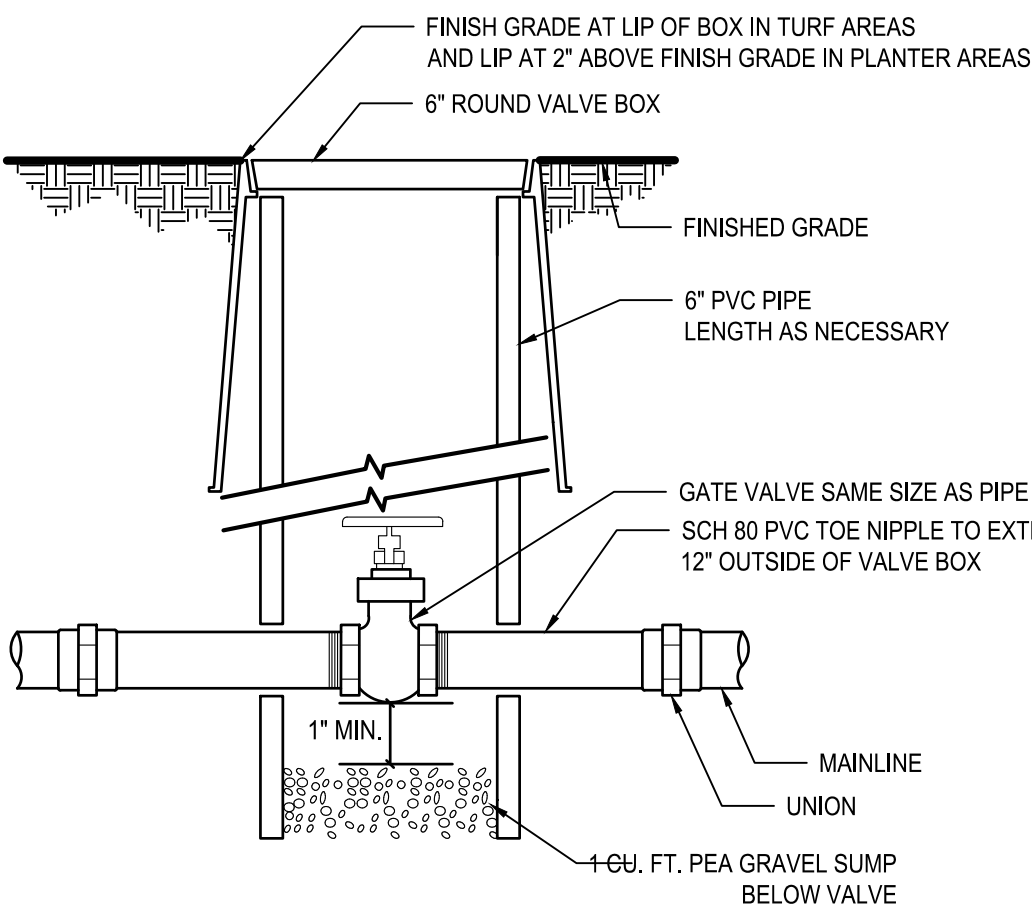
Symbol	MFR.	Ordering #	Product Description
	Rainbird	1404 Bubbler	2.0 gpm pressure compensating full-circle umbrella pattern bubbler
	Rainbird	XF50912500	Subsurface irrigation tubing with .9 gph emitters with 12" emitter spacing
	Rainbird	PEB-Series	Electric remote control valve - 100-PEB for all subsurface applications
See Detail	Rainbird	3RC	3/4" brass quick coupler
See Detail	Febco	825Y	1.5" backflow preventer
	B & K Wilkins	107-900 Series #200 1/4"	Brass ball valve (schedule 40 unions with brass inserts) match line size
			Angle valve for manual drain assembly with key extension
	Hunter	PED-ACC99-SS	Up to 99 station two-wire irrigation controller on pedestal mount - **See Sheet IR6
NOT SHOWN	Rainbird	ESP-9V2/4	2 & 4 Station battery operated in-box controllers
			Schedule 40 pvc pipe for mainline, install above ground (24" under paved areas)
			Class 200 pvc pipe for lateral lines, install above ground (24" under paved areas)
			Class 200 pvc pipe sleeve, install at 24" depth
NOT SHOWN			Two-Wire system wiring



NOTES:
1. CONTRACTOR SHALL USE VALVE BOX EXTENSIONS AS REQUIRED TO MEET FINISH GRADE
2. ALL VALVE BOXES TO BE INSTALLED FLUSH WITH FINISH GRADE
3. VALVE BOXES TO BE SIZED TO FACILITATE REPAIR/REPLACEMENT OF HOUSED EQUIPMENT

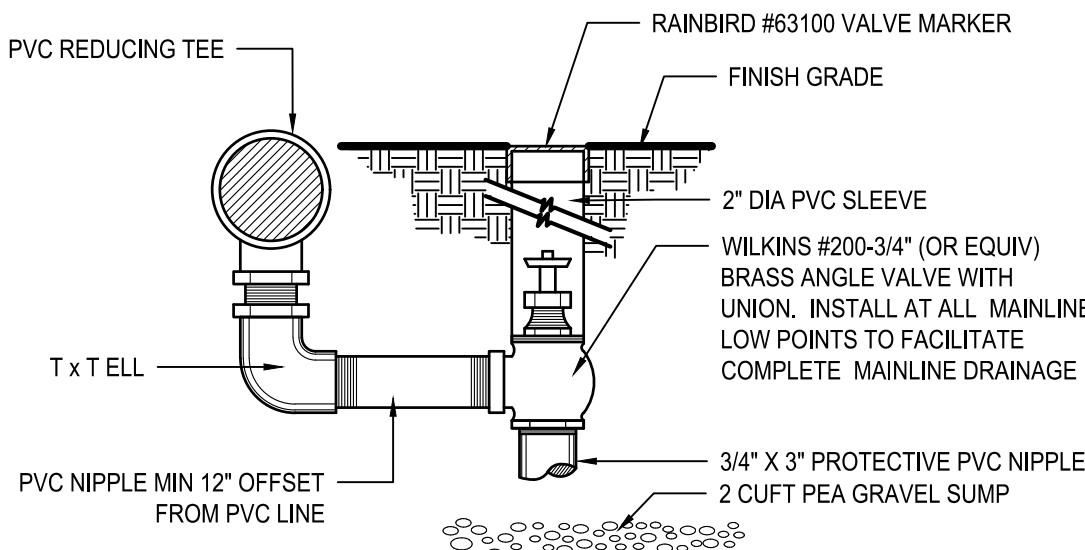
POINT OF CONNECTION
DETAIL

NO SCALE TYP



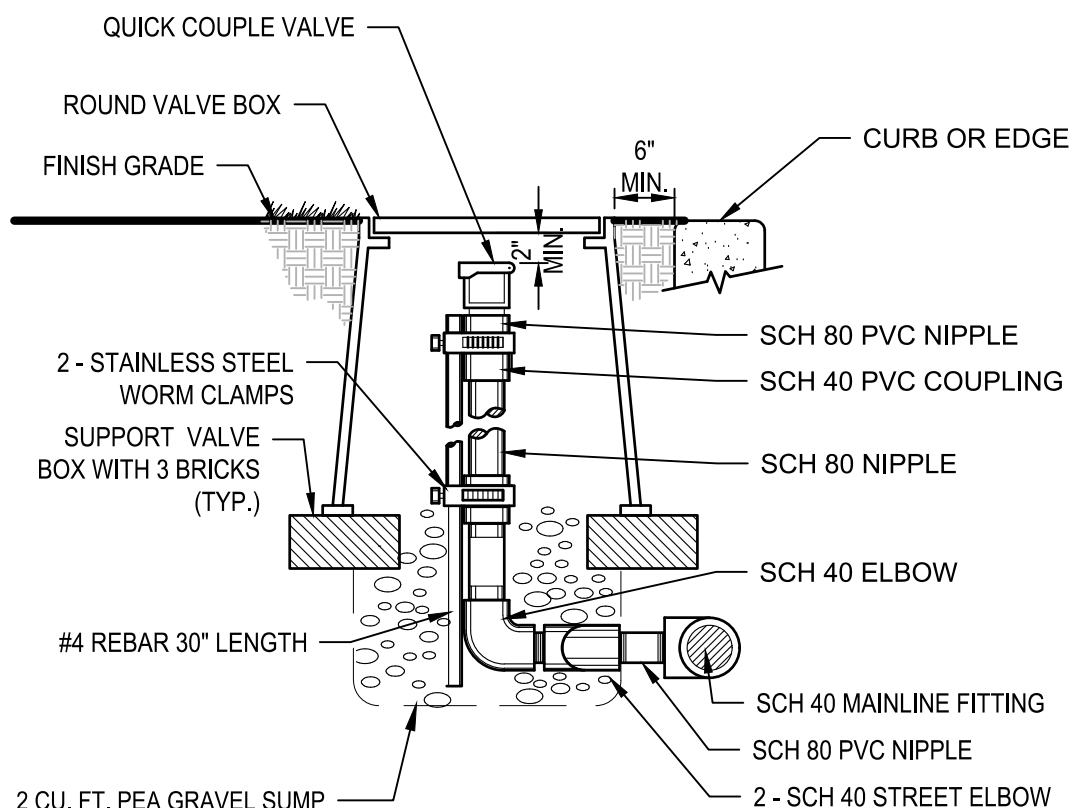
ISOLATION VALVE
DETAIL

NO SCALE TYP



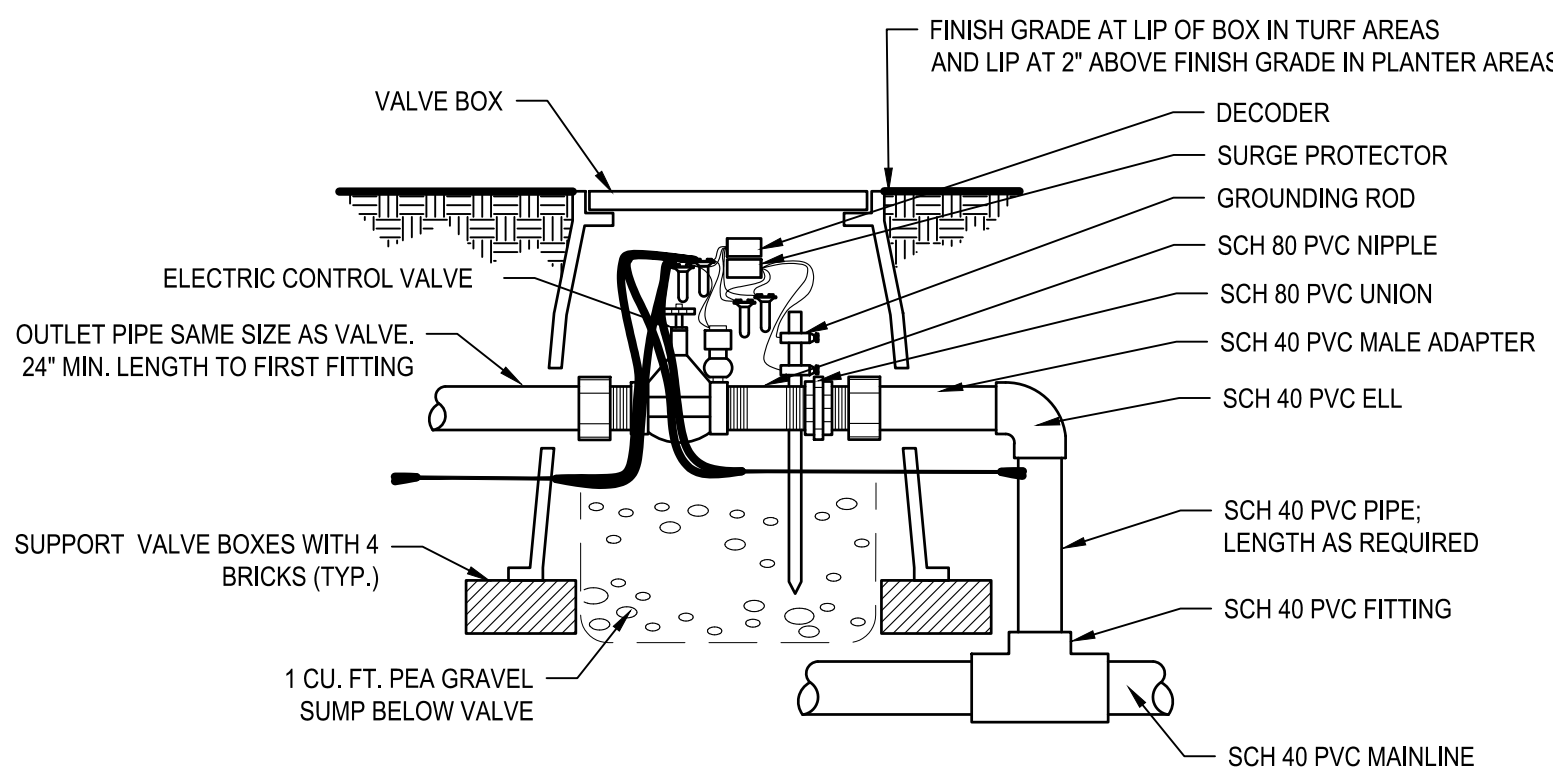
MANUAL DRAIN VALVE
DETAIL

NO SCALE TYP



QUICK COUPLER
DETAIL

NO SCALE TYP



CONTROL VALVE BOX
DETAIL

NO SCALE TYP

NOTE: INSTALL TWO (2) BUBBLERS PER TREE WITHIN WATERING BASINS, OPPOSITE AND EQUAL DISTANCES FROM TREE. BUBBLERS SHALL BE VERTICAL AND UNIFORM IN HEIGHT ABOVE TOP DRESSING

BUBBLER
LATERAL TO WATERING BASIN
DETAIL

NO SCALE TYP

IRRIGATION IMPROVEMENTS - ELECTRICAL NOTES

- 24" LOOP EXPANSION COIL OF WIRE SHALL BE LOCATED AT EACH ELECTRIC VALVE.
- INSTALL TWO-WIRE SYSTEM TO ALL VALVES. WIRING SHALL BE SIZED APPROPRIATELY FOR LENGTH OF RUN.
- ALL WIRE SHALL BE UL APPROVED FOR DIRECT BURIAL.
- ALL ELECTRICAL WORK AND CONNECTIONS SHALL BE INSTALLED AS PER STATE AND LOCAL CODES.
- SPLICE WIRES ONLY AT CONNECTION POINTS. SUPPLY ECONO VALVE BOX AT ALL ELECTRICAL JUNCTIONS AND NOTE ALL LOCATIONS ON 'AS BUILT' DRAWINGS.

IRRIGATION IMPROVEMENTS - GENERAL NOTES

- REFER TO THIS SHEET & IR18 FOR IRRIGATION SYSTEM INSTALLATION DETAILS.
- ALL CONSTRUCTION SHALL COMPLY WITH THE CONTRACT DOCUMENTS AND WASHINGTON DEPARTMENT OF TRANSPORTATION PROJECT SPECIFICATIONS (2018).
- CONTRACTOR SHALL COORDINATE AND SCHEDULE ALL WORK WITH THE OWNER. CONTRACTOR SHALL SUPPLY ENGINEER WITH A PROJECT WORK PLAN PER WSDOT 8-02.3(2) FOR APPROVAL PRIOR TO BEGINNING WORK. THE INSTALLATION OF PLANT MATERIAL SHALL NOTE BE ALLOWED UNTIL IRRIGATION LAYOUT & COVERAGE TESTS ARE APPROVED BY ENGINEER. ALL CONSTRUCTION CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY UPON RECOGNITION.
- CONTRACTOR IS RESPONSIBLE FOR A THOROUGH CLEAN-UP FOR HIS/HER RESPECTIVE WORK, DAILY AND AT PROJECT CLOSE-OUT.
- CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING IMPROVEMENTS. DAMAGE TO EXISTING IMPROVEMENTS BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AND/OR QUALIFIED INSTALLERS/TRADES ACCEPTABLE TO THE SOLE SATISFACTION OF THE ENGINEER AND AT NO COST TO THE OWNER.
- ALL PIPING UNDER HARD SURFACES (INCLUDES CONCRETE, ASPHALT, CRUSHED GRAVEL) SHALL BE SLEEVED WITHIN A SCH. 40 PVC CONDUIT EXTENDING 12 INCHES BEYOND HARD SURFACE EDGE AT 24" DEPTH.
- ALL CONTROL WIRING NOT IN MAINLINE TRENCH SHALL BE BURIED WITHIN PVC CONDUIT. CONDUIT SHALL BE PLACED 24" BELOW FINISH GRADE. ALL CONDUIT AND FITTINGS SHALL BE SCH. 40.
- PIPE SIZE SHALL BE THE SAME ON BOTH SIDES OF VALVES.
- LOCATE ALL VALVES WITHIN ONE (1) FOOT OF THE MAINLINE.
- WHERE TWO OR MORE VALVE BOXES ARE INSTALLED ADJACENT TO ONE ANOTHER, INSTALL PARALLEL/PERPENDICULAR TO HARD SURFACE AND AT UNIFORM ELEVATION AND DISTANCES RELATIVE TO SURFACES AND ONE ANOTHER.
- IRRIGATION SITE PLAN IS SCHEMATIC. IRRIGATION PLUMBING AND EQUIPMENT SHALL BE INSTALLED IN LAWN OR SHRUB BED AREAS AND WITHIN PROPERTY BOUNDARIES. THE CONTRACTOR SHALL CONSIDER ALL SITE FEATURES IN THE INSTALLATION OF IRRIGATION IMPROVEMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING AND INSTALLING ALL IRRIGATION EQUIPMENT NECESSARY FOR A COMPLETE AND FUNCTIONAL IRRIGATION SYSTEM. FIELD VERIFY ALL EXISTING EQUIPMENT LOCATIONS AND REPORT ANY INCONSISTENCIES TO LANDSCAPE ARCHITECT.
- ALL PVC SOLVENT WELDS WILL BE MADE AS A TWO-STEP PROCESS W/ SEPERATE PRIMER AND GLUE APPLICATIONS. ALL GLUE SHALL BE MANUFACTURED FOR IRRIGATION AND CONDUIT ASSEMBLY ONLY. NO "ONE-STEP" GLUE SHALL BE ALLOWED. SUBMIT PRODUCT INFORMATION FOR APPROVAL PRIOR TO USE. USE.
- CONTRACTOR SHALL VERIFY ALL LOCATIONS AND SIZES OF IRRIGATION SLEEVES PRIOR TO CONSTRUCTION AND PROVIDE ANY ADDITIONAL SLEEVING OR UPSIZING REQUIRED PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL COORDINATE CONTROLLER LOCATION AND POWER SOURCE WITH CITY AND GENERAL CONTRACTOR PRIOR TO COMMENCING WORK.

REVISIONS	DATE	BY	DESIGNED
			D. SANDENO
			D. BAILEY
			CHECKED F. IDE
			APPROVED A. FISHER

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME PS3047013-IR12-17
JOB No. 214-3047-013
DATE FEBRUARY 2021

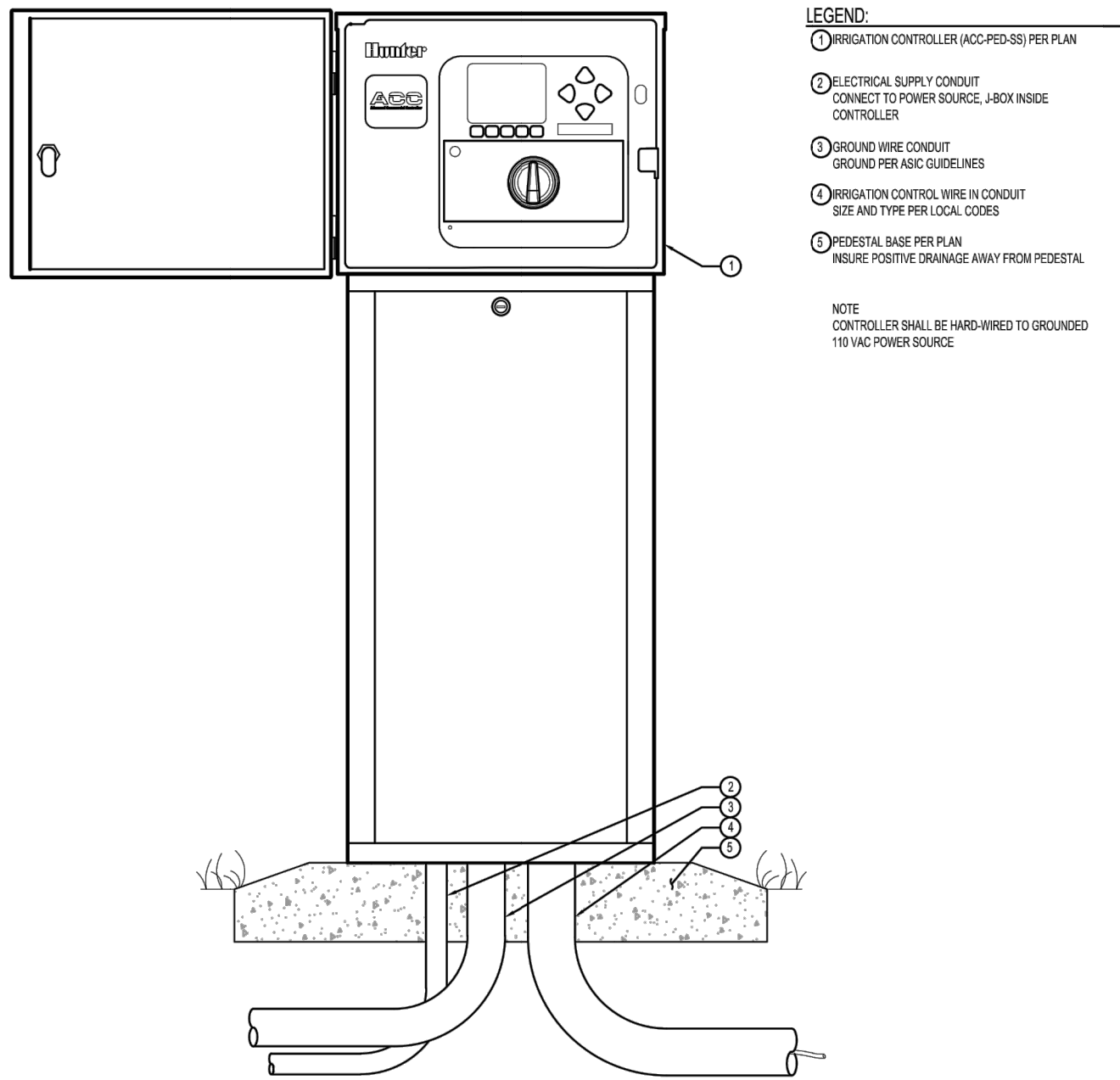


PROJECT NAME
JBLM NORTH ACCESS ROAD IMPROVEMENTS - PHASE 1
LAKEWOOD, WASHINGTON

IRRIGATION DETAILS & NOTES GRAVELLY LAKE DR SW

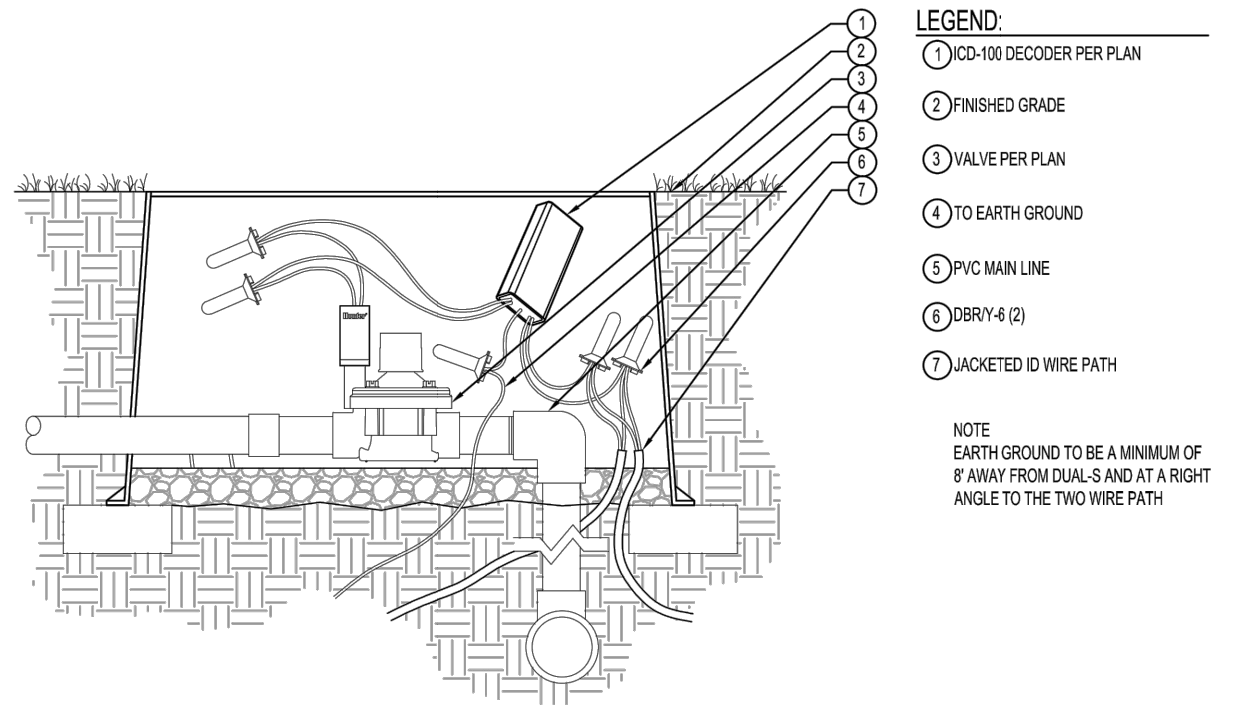
DRAWING NO. 112 OF 153
IR6

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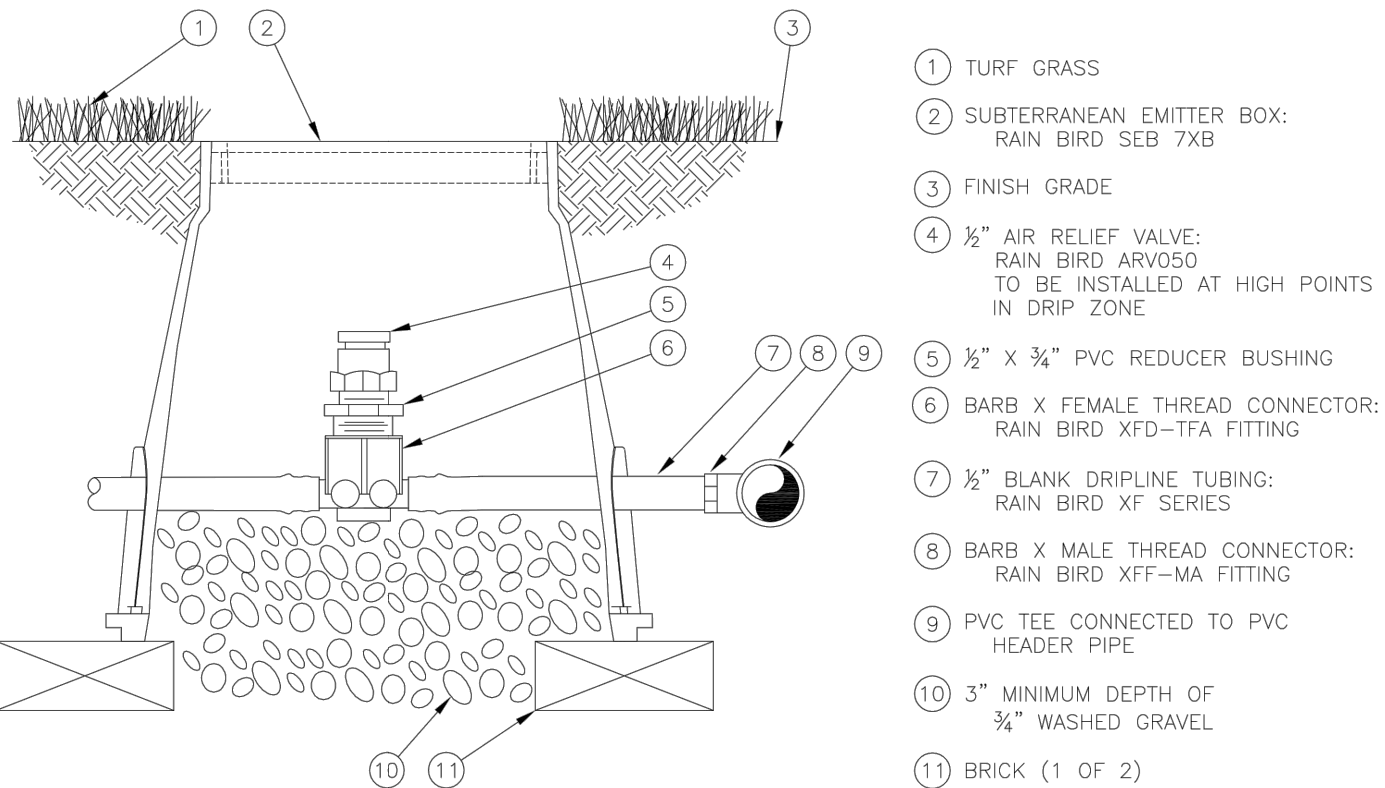
XX ACC - PEDESTAL MOUNT STAINLESS STEEL
C.ACC.05

NOT TO SCALE



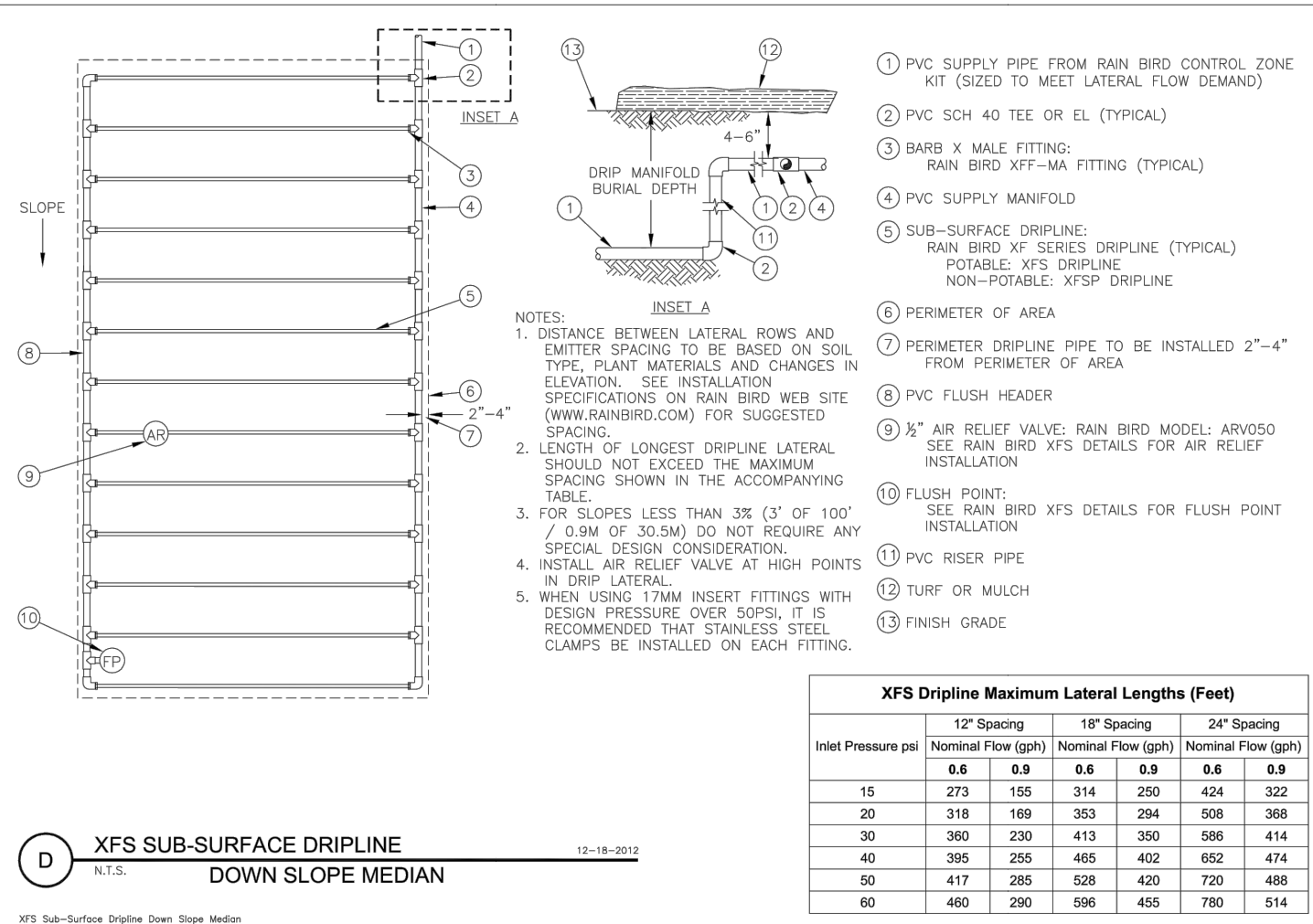
XX ICD-100 DECODER
C.DICD.01

NOT TO SCALE



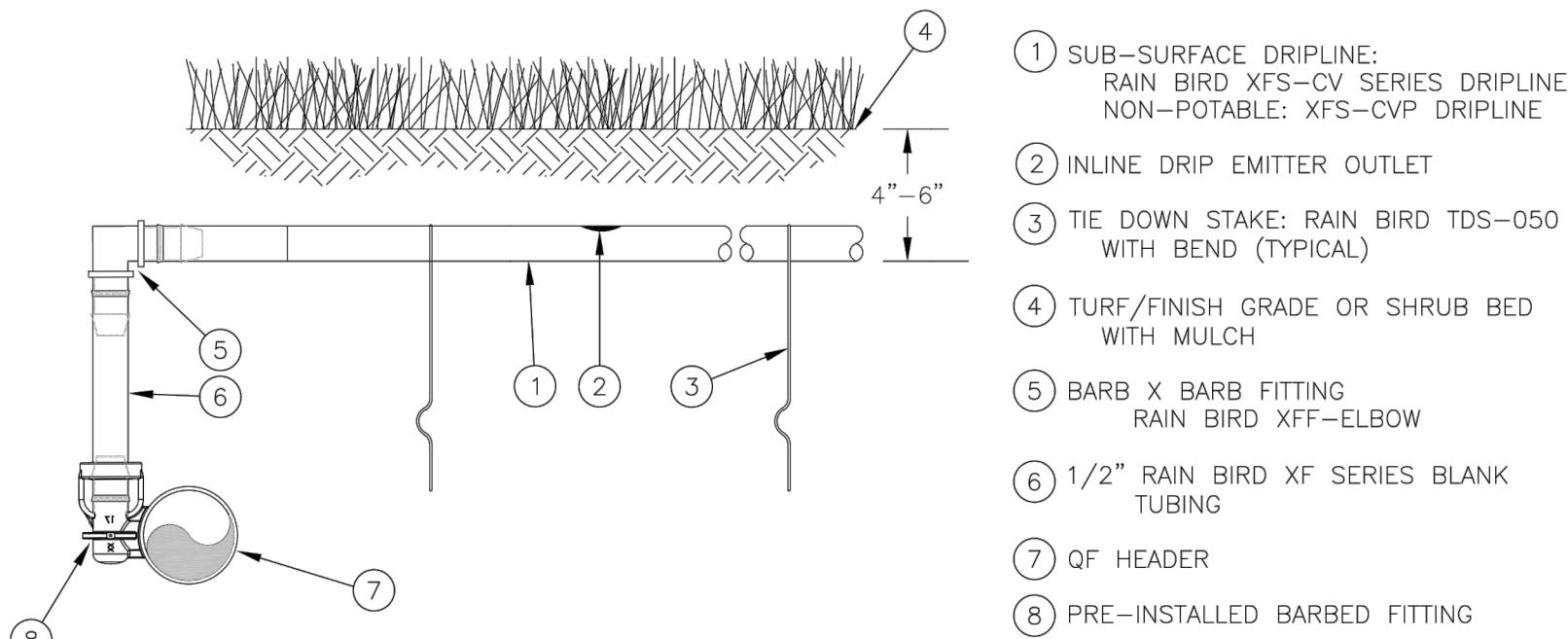
D XFS SUB-SURFACE DRIPLINE
N.T.S. 1/2" AIR RELIEF VALVE IN XFS DRIPLINE

XFS Sub-Surface Dripline 0.5 Air Relief Valve In XFS Dripline



D XFS SUB-SURFACE DRIPLINE
N.T.S. DOWN SLOPE MEDIAN

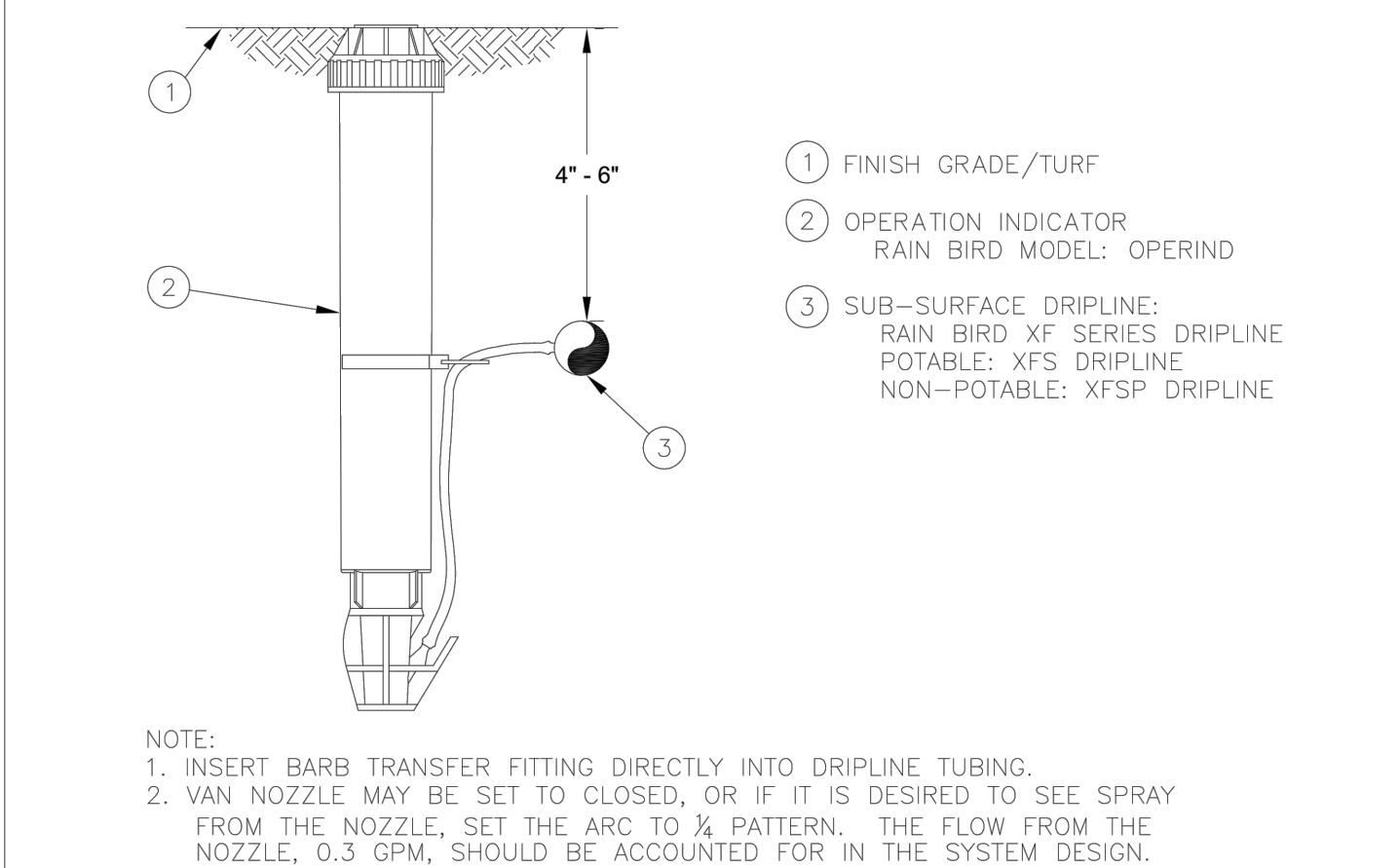
XFS Sub-Surface Dripline Down Slope Median



NOTES:
1. PLACE TIE DOWN STAKES EVERY THREE FEET IN SAND, FOUR FEET IN LOAM, AND FIVE FEET IN CLAY.
2. AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS, USE TIE-DOWN STAKES ON EACH LEG OF THE CHANGE OF DIRECTION.
3. INSERTION FLOW AND TRENCHED INSTALLATIONS DO NOT REQUIRE TIE DOWN STAKES.

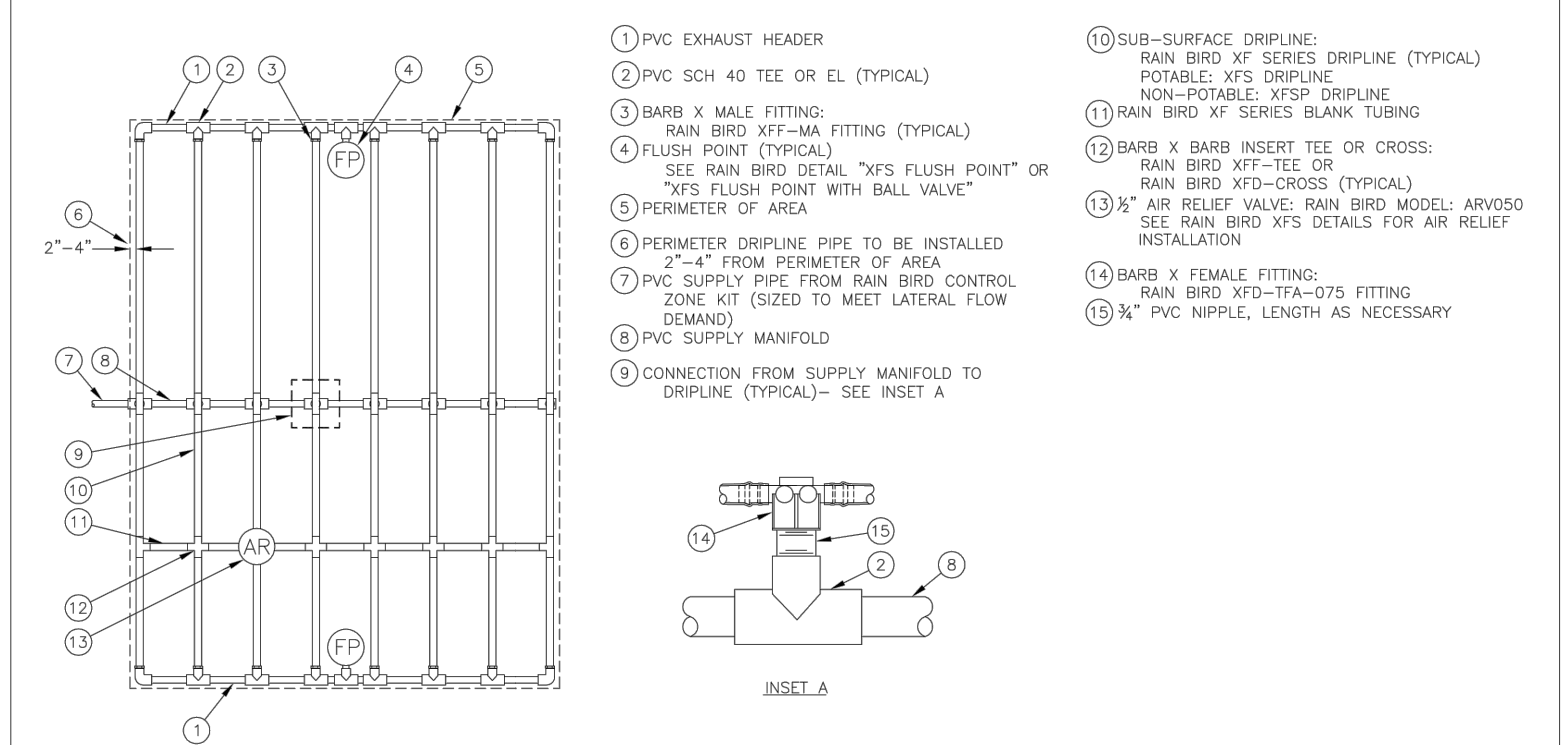
D XFS-CV SUB-SURFACE DRIPLINE
N.T.S. ATTACHED TO QF HEADER

XFS-CV Sub-Surface Dripline Attached To QF Header



D XFS SUB-SURFACE DRIPLINE
N.T.S. OPERATION INDICATOR

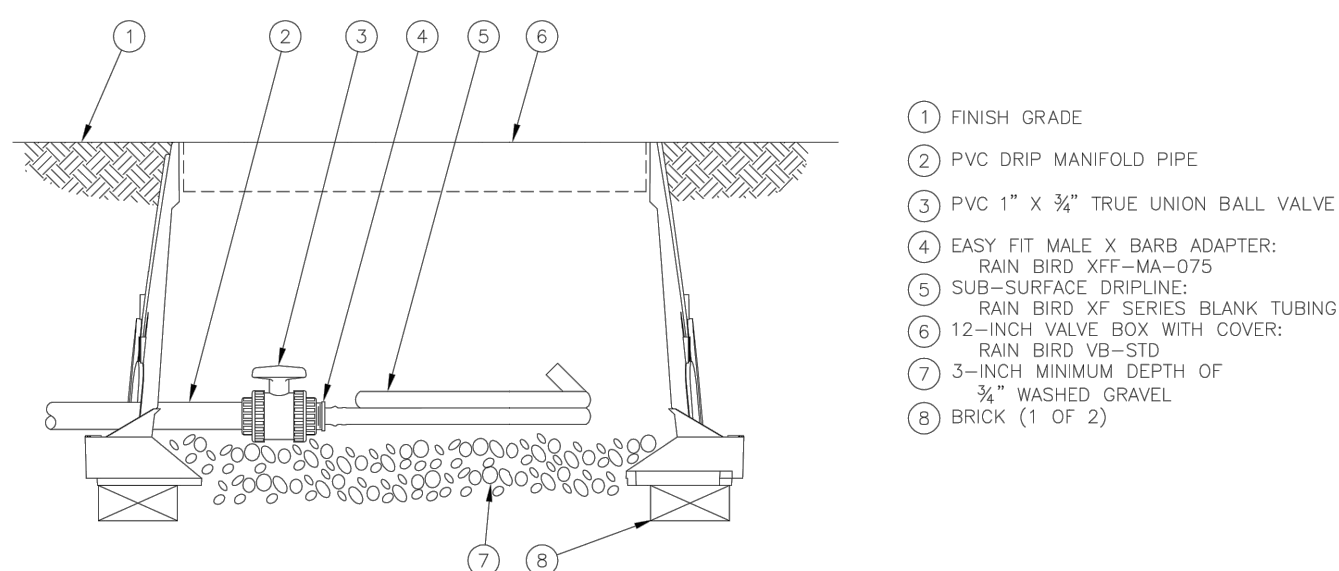
XFS Sub-Surface Dripline Operation Indicator



NOTES:
1. DISTANCE BETWEEN LATERAL ROWS AND EMITTER SPACING TO BE BASED ON SOIL TYPE, PLANT MATERIALS AND CHANGES IN ELEVATION. SEE RAIN BIRD XF-SD DRIPLINE INSTALLATION GUIDE FOR SUGGESTED SPACING.
2. LENGTH OF LONGEST DRIPLINE LATERAL SHOULD NOT EXCEED THE MAXIMUM LENGTH SHOWN IN THE ACCOMPANYING TABLE.
3. AIR RELIEF VALVE TO BE INSTALLED AT HIGH POINT OF AREA.
4. WHEN USING 1/2\"/>

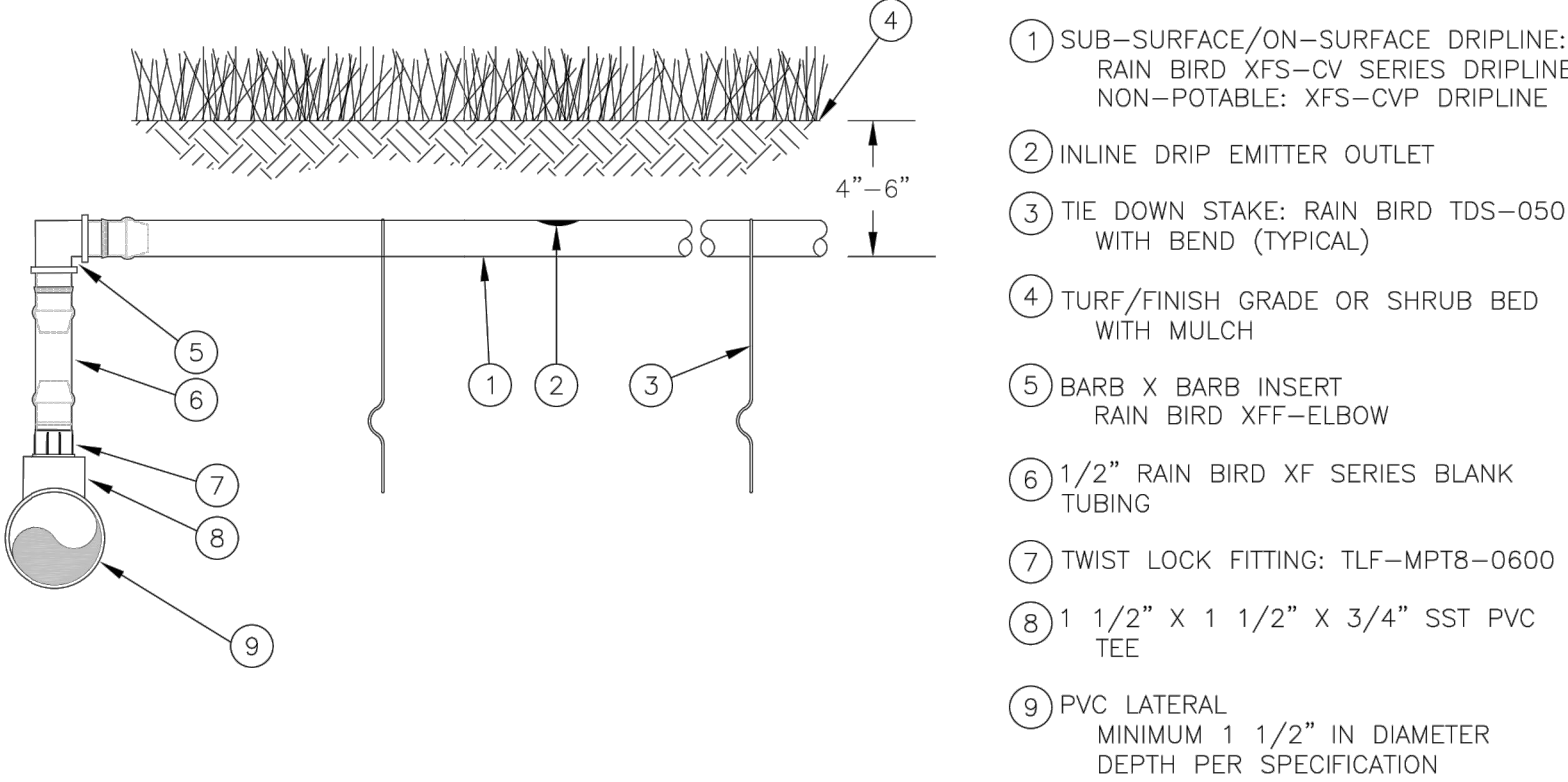
D XFS SUB-SURFACE DRIPLINE
N.T.S. CENTER FEED LAYOUT

XFS Sub-Surface Dripline Center Feed Layout



D XFS SUB-SURFACE DRIPLINE
N.T.S. FLUSH POINT WITH BALL VALVE

XFS Sub-Surface Dripline Flush Point With Ball Valve



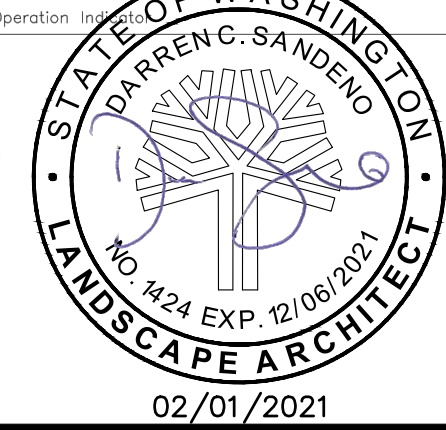
NOTES:
1. PLACE TIE DOWN STAKES EVERY THREE FEET IN SAND, FOUR FEET IN LOAM, AND FIVE FEET IN CLAY.
2. AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS, USE TIE-DOWN STAKES ON EACH LEG OF THE CHANGE OF DIRECTION.
3. INSERTION FLOW AND TRENCHED INSTALLATIONS DO NOT REQUIRE TIE DOWN STAKES.

D XFS-CV SUB-SURFACE DRIPLINE INSERT
N.T.S. ADAPTER FOR 1 1/2" OR LARGER PVC

XFS-CV Sub-Surface Dripline Adapter For PVC

REVISIONS	DATE	BY	DESIGNED D. SANDENO
			DRAWN D. BAILEY
			CHECKED F. IDE
			APPROVED A.FISHER

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY.
FILE NAME PS3047013-IR12-17
JOB No. 214-3047-013
DATE FEBRUARY 2021

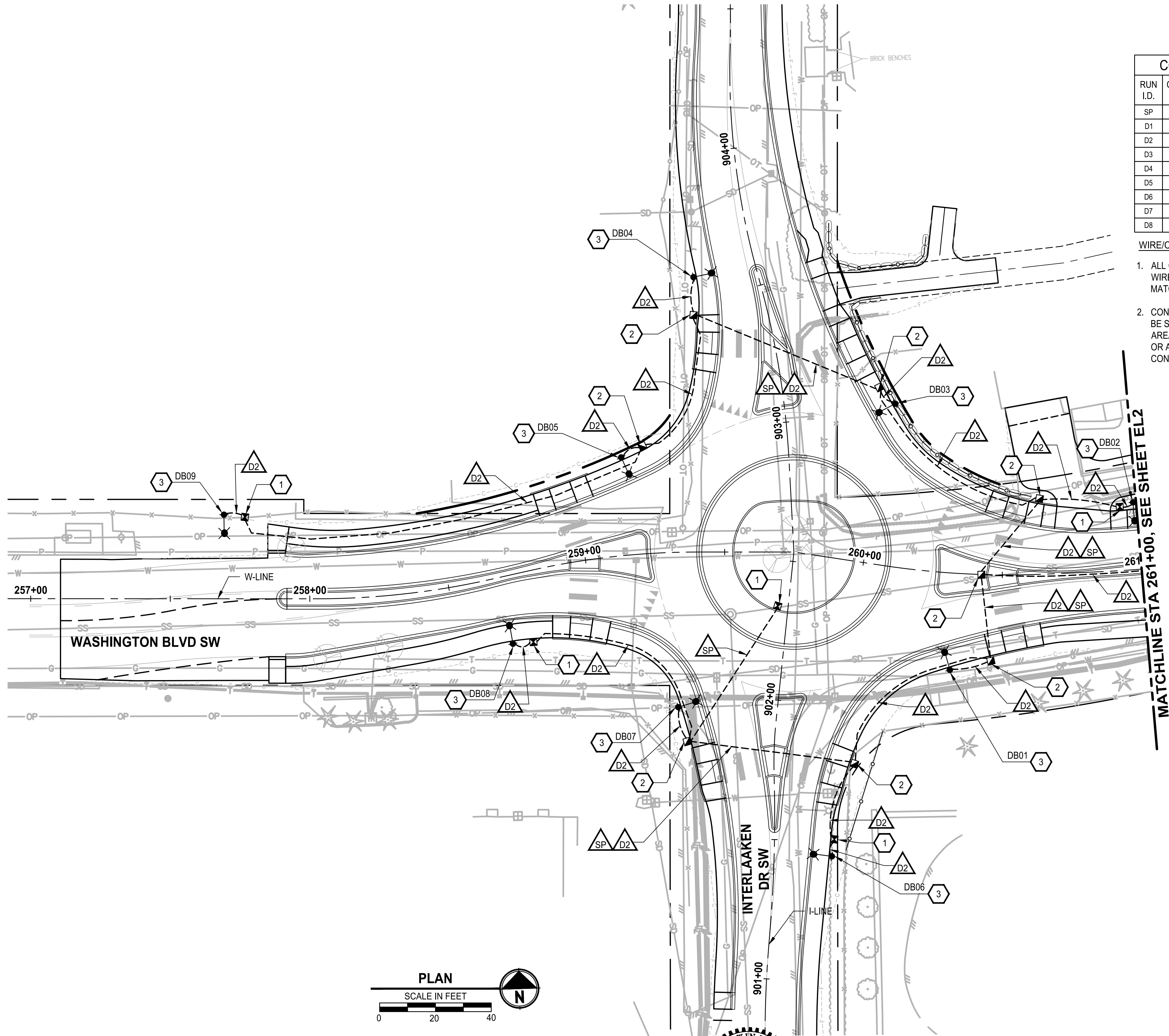


PROJECT NAME
JBLM NORTH ACCESS ROAD IMPROVEMENTS - PHASE 1
LAKEWOOD, WASHINGTON

IRRIGATION DETAILS & NOTES
GRAVELLY LAKE DR SW

DRAWING NO.
113 OF 153
IR7

PATH: U:\PSO\Projects\Clients\3047-City of Lakewood\214-3047-013 JBLM North Access\995vca\CADD\DWG PLOTTED BY: toy&act DATE: Tuesday, February 2, 2021 2:47:47 PM LAYOUT: EL1



CONDUIT/WIRE SCHEDULE - SERVICE D						
RUN I.D.	CONDUIT SIZE	SERVICE D				SPARE
		CIRCUIT A	CIRCUIT B	CIRCUIT C	CIRCUIT D	
SP	2"					X
D1	2"	2 X #8				
D2	2"		2 X #8			
D3	2"			2 X #8		
D4	2"				2 X #8	
D5	2"				2 X #6	
D6	2"			2 X #8	2 X #6	
D7	2"		2 X #8	2 X #8	2 X #6	
D8	2"	2 X #8	2 X #8	2 X #8	2 X #6	

WIRE/CONDUIT SCHEDULE NOTES:

- ALL CONDUITS CONTAINING CONDUCTORS SHALL INCLUDE A GROUND WIRE, NOT SHOWN IN THE WIRE/CONDUIT SCHEDULE. GROUND WIRE SHALL MATCH THE LARGEST CONDUCTOR (MIN. #8 UNLESS OTHERWISE NOTED).
- CONDUIT INSTALLED UNDER THE SIDEWALK OR NON-PAVED AREAS SHALL BE SCHEDULE 40 PVC. CONDUIT INSTALLED IN EXISTING/NEW PAVED AREAS, WHETHER IN THE ROADWAY AREA, SHOULDER AREA, DRIVEWAYS, OR AREAS OTHER THAN THE ROADWAY, SHALL BE SCHEDULE 80 PVC. CONDUITS FOR POLE RISERS SHALL BE RIGID GALVANIZED STEEL.

GENERAL NOTES

- UTILITY LOCATION PRIOR TO CONSTRUCTION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONFLICTS ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
- JUNCTION BOXES SHALL BE INSTALLED FLUSH AND ADJACENT TO SIDEWALK/CURB WITH A CONCRETE COLLAR (WHERE APPLICABLE), UNLESS OTHERWISE NOTED ON THE PLANS.
- CONDUIT LOCATIONS SHOWN ON THE PLAN ARE SCHEMATIC.
- ALL EQUIPMENT AND CONDUIT SHALL BE GROUNDED PER NEC REQUIREMENTS.

ILLUMINATION NOTES

- INSTALL LOCKING LID STANDARD DUTY JUNCTION BOX, TYPE 1 PER WSDOT STANDARD PLAN J-40.10-04.
- INSTALL LOCKING LID STANDARD DUTY JUNCTION BOX, TYPE 2 PER WSDOT STANDARD PLAN J-40.10-04.
- CONSTRUCT STREET LIGHT STANDARD FOUNDATION, POLE, ARM(S) AND LUMINAIRE(S) PER COL STD DWG IS-06, AND LUMINAIRE SCHEDULES ON SHEET EL12.
- INSTALL CONDUIT INTO CABINET AT BACK OF WALL. SPLICE SIGN BACK-LIGHTING WIRE TO CIRCUIT IN CABINET.
- CONSTRUCT FOUNDATION PER COL STD DWG IS-04. INSTALL SERVICE CABINET TYPE D PER WSDOT STANDARD PLAN J-10.21-01 ON FOUNDATION.
- EXISTING PSE LUMINAIRE TO REMAIN.
- EXISTING PSE LUMINAIRE TO BE REMOVED (BY PSE).
- INSTALL LOCKING LID STANDARD DUTY JUNCTION BOX, TYPE 8 PER WSDOT STANDARD PLAN J-40.30-04.
- INSTALL CONDUIT AND SERVICE WIRING TO EXISTING UTILITY POLE. INSTALL CONDUIT TO 10' UP THE POLE WITH SUFFICIENT SERVICE WIRE TO REACH POINT OF CONNECTION PER PSE STANDARDS. COORDINATE WITH PSE TO COMPLETE SERVICE CONNECTION.

SIGNAL REMOVAL NOTES

- REMOVE AND SALVAGE TO CITY EXISTING STEEL SIGNAL POLE AND ALL ASSOCIATED EQUIPMENT AND SIGNAL HEADS. REMOVE FOUNDATION, WIRE, CONDUIT TO NEAREST JUNCTION BOX(ES) AND JUNCTION BOX(ES).
- REMOVE AND SALVAGE TO CITY EXISTING SIGNAL CONTROLLER AND/OR SERVICE CABINET(S) AND ALL ASSOCIATED EQUIPMENT TO CITY. REMOVE FOUNDATION (IF PRESENT), WIRE AND CONDUIT TO NEAREST JUNCTION BOX. COORDINATE DECOMMISSIONING OF SERVICE WITH PSE PRIOR TO REMOVAL.
- REMOVE EXISTING WOOD POLE AND SPAN WIRE. SALVAGE SIGNAL HEADS TO CITY.

ILLUMINATION LEGEND

- STREET LIGHT
- SERVICE CABINET
- JUNCTION BOX - TYPE 1
- JUNCTION BOX - TYPE 2
- JUNCTION BOX - TYPE 8
- UNDERGROUND CONDUIT
- WIRE NOTE
- ILLUMINATION NOTE
- SIGNAL REMOVAL NOTE
- POLE IDENTIFICATION
- STREET LIGHT ID
- CIRCUIT ID
- SERVICE ID

REVISIONS	DATE	BY	DESIGNED
			M. KENDALL
			DRAWN K. DUDDLESTEN
			CHECKED C. SCHOTT
			APPROVED A. FISHER

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY	
FILE NAME	PS3047013-EL13-15
JOB No.	214-3047-013
DATE	FEBRUARY 2021

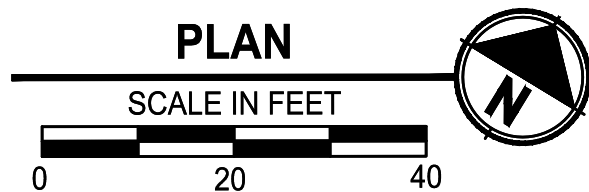
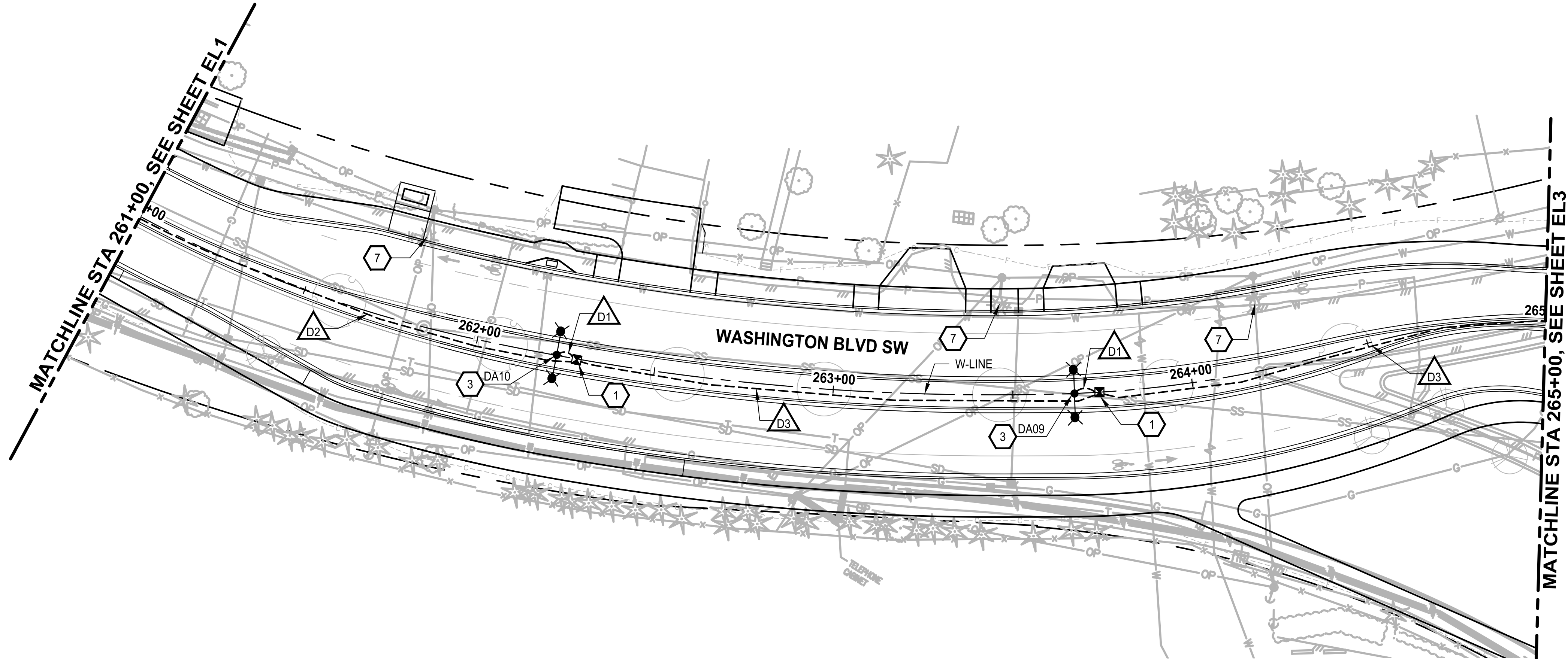


PROJECT NAME
JBLM NORTH ACCESS ROAD IMPROVEMENTS - PHASE 1
LAKEWOOD, WASHINGTON

ELECTRICAL PLAN WASHINGTON BLVD SW

DRAWING NO. 114 OF 153
EL1

PATH: U:\P50\Projects\Clients\3047-City of Lakewood\214-3047-013 JBLM North Access\995vcs\CADD\DWG PLOTTED BY: toyoket DATE: Tuesday, February 2, 2021 2:45:18 PM LAYOUT: EL2



CONDUIT/WIRE SCHEDULE - SERVICE D				
RUN I.D.	CONDUIT SIZE	SERVICE D		SPARE
		CIRCUIT A	CIRCUIT B	
SP	2"			X
D1	2"	2 X #8		
D2	2"		2 X #8	
D3	2"	2 X #8	2 X #8	

WIRE/CONDUIT SCHEDULE NOTES:

- ALL CONDUITS CONTAINING CONDUCTORS SHALL INCLUDE A GROUND WIRE, NOT SHOWN IN THE WIRE/CONDUIT SCHEDULE. GROUND WIRE SHALL MATCH THE LARGEST CONDUCTOR (MIN. #8 UNLESS OTHERWISE NOTED).
- CONDUIT INSTALLED UNDER THE SIDEWALK OR NON-PAVED AREAS SHALL BE SCHEDULE 40 PVC. CONDUIT INSTALLED IN EXISTING/NEW PAVED AREAS, WHETHER IN THE ROADWAY AREA, SHOULDER AREA, DRIVEWAYS, OR AREAS OTHER THAN THE ROADWAY, SHALL BE SCHEDULE 80 PVC. CONDUITS FOR POLE RISERS SHALL BE RIGID GALVANIZED STEEL.

GENERAL NOTES

- UTILITY LOCATION PRIOR TO CONSTRUCTION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONFLICTS ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
- JUNCTION BOXES SHALL BE INSTALLED FLUSH AND ADJACENT TO SIDEWALK/CURB WITH A CONCRETE COLLAR (WHERE APPLICABLE), UNLESS OTHERWISE NOTED ON THE PLANS.
- CONDUIT LOCATIONS SHOWN ON THE PLAN ARE SCHEMATIC.
- ALL EQUIPMENT AND CONDUIT SHALL BE GROUNDED PER NEC REQUIREMENTS.

ILLUMINATION NOTES

- INSTALL LOCKING LID STANDARD DUTY JUNCTION BOX, TYPE 1 PER WSDOT STANDARD PLAN J-40.10-04.
- INSTALL LOCKING LID STANDARD DUTY JUNCTION BOX, TYPE 2 PER WSDOT STANDARD PLAN J-40.10-04.
- CONSTRUCT STREET LIGHT STANDARD FOUNDATION, POLE, ARM(S) AND LUMINAIRE(S) PER COL STD DWG IS-06, AND LUMINAIRE SCHEDULES ON SHEET EL12.
- INSTALL CONDUIT INTO CABINET AT BACK OF WALL. SPLICE SIGN BACK-LIGHTING WIRE TO CIRCUIT IN CABINET.
- CONSTRUCT FOUNDATION PER COL STD DWG IS-04. INSTALL SERVICE CABINET TYPE D PER WSDOT STANDARD PLAN J-10.21-01 ON FOUNDATION.
- EXISTING PSE LUMINAIRE TO REMAIN.
- EXISTING PSE LUMINAIRE TO BE REMOVED (BY PSE).
- INSTALL LOCKING LID STANDARD DUTY JUNCTION BOX, TYPE 8 PER WSDOT STANDARD PLAN J-40.30-04.
- INSTALL CONDUIT AND SERVICE WIRING TO EXISTING UTILITY POLE. INSTALL CONDUIT TO 10' UP THE POLE WITH SUFFICIENT SERVICE WIRE TO REACH POINT OF CONNECTION PER PSE STANDARDS. COORDINATE WITH PSE TO COMPLETE SERVICE CONNECTION.

SIGNAL REMOVAL NOTES

- REMOVE AND SALVAGE TO CITY EXISTING STEEL SIGNAL POLE AND ALL ASSOCIATED EQUIPMENT AND SIGNAL HEADS. REMOVE FOUNDATION, WIRE, CONDUIT TO NEAREST JUNCTION BOX(ES) AND JUNCTION BOX(ES).
- REMOVE AND SALVAGE TO CITY EXISTING SIGNAL CONTROLLER AND/OR SERVICE CABINET(S) AND ALL ASSOCIATED EQUIPMENT TO CITY. REMOVE FOUNDATION (IF PRESENT), WIRE AND CONDUIT TO NEAREST JUNCTION BOX. COORDINATE DECOMMISSIONING OF SERVICE WITH PSE PRIOR TO REMOVAL.
- REMOVE EXISTING WOOD POLE AND SPAN WIRE. SALVAGE SIGNAL HEADS TO CITY.

ILLUMINATION LEGEND

- STREET LIGHT
- SERVICE CABINET
- JUNCTION BOX - TYPE 1
- JUNCTION BOX - TYPE 2
- JUNCTION BOX - TYPE 8
- UNDERGROUND CONDUIT
- WIRE NOTE
- ILLUMINATION NOTE
- SIGNAL REMOVAL NOTE
- POLE IDENTIFICATION
- STREET LIGHT ID
- CIRCUIT ID
- SERVICE ID

REVISIONS	DATE	BY	DESIGNED
			M. KENDALL
			DRAWN K. DUDDLESTEN
			CHECKED C. SCHOTT
			APPROVED A. FISHER

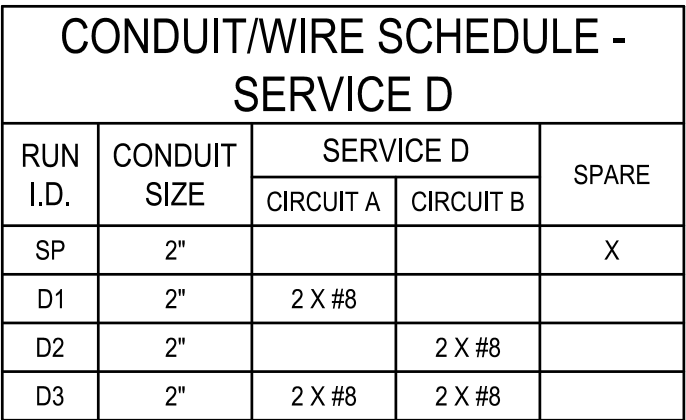
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




PROJECT NAME
JBLM NORTH ACCESS ROAD IMPROVEMENTS - PHASE 1
LAKEWOOD, WASHINGTON

ELECTRICAL PLAN WASHINGTON BLVD SW

DRAWING NO. 115 OF 153
EL2

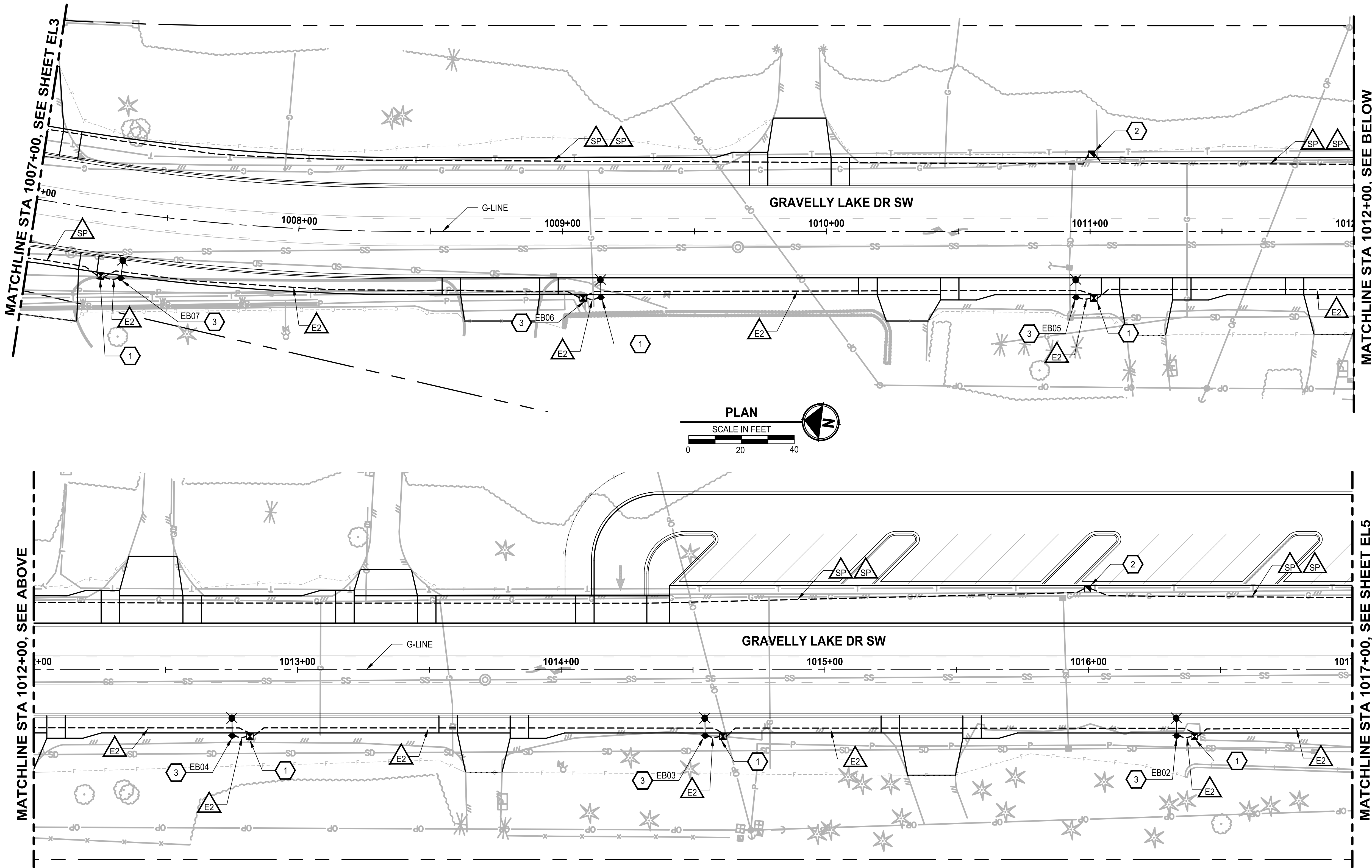


1. ALL CONDUITS CONTAINING CONDUCTORS SHALL INCLUDE A GROUND WIRE, NOT SHOWN IN THE WIRE/CONDUIT SCHEDULE. GROUND WIRE SHALL MATCH THE LARGEST CONDUCTOR (MIN. #8 UNLESS OTHERWISE NOTED).
2. CONDUIT INSTALLED UNDER THE SIDEWALK OR NON-PAVED AREAS SHALL BE SCHEDULE 40 PVC. CONDUIT INSTALLED IN EXISTING/NEW PAVED AREAS, WHETHER IN THE ROADWAY AREA, SHOULDER AREA, DRIVEWAYS, OR AREAS OTHER THAN THE ROADWAY, SHALL BE SCHEDULE 80 PVC. CONDUITS FOR POLE RISERS SHALL BE RIGID GALVANIZED STEEL.

- | | |
|---|---|
|  | STREET LIGHT |
|  | SERVICE CABINET |
|  | JUNCTION BOX - TYPE 1 |
|  | JUNCTION BOX - TYPE 2 |
|  | JUNCTION BOX - TYPE 8 |
|  | UNDERGROUND CONDUIT |
|  | WIRE NOTE |
|  | ILLUMINATION NOTE |
|  | SIGNAL REMOVAL NOTE |
|  | POLE IDENTIFICATION |
| |  |

EL3

PATH: U:\PSO\Projects\Clients\3047-City of Lakewood\214-3047-013_JBLM NorthAccess\99Sca\CADD\DWG PLOTTED BY: toyfact DATE: Tuesday, February 2, 2021 2:56:21 PM LAYOUT: EL4



CONDUIT/WIRE SCHEDULE - SERVICE E					
RUN I.D.	CONDUIT SIZE	SERVICE E			SPARE
		CIRCUIT A	CIRCUIT B	CIRCUIT C	
SP	2"				X
E1	2"	2 X #8			
E2	2"		2 X #8		
E3	2"			2 X #8	
E4	2"	2 X #8	2 X #8		
E5	2"	2 X #8		2 X #8	
E6	2"	2 X #8	2 X #8	2 X #8	

WIRE/CONDUIT SCHEDULE NOTES:

- ALL CONDUITS CONTAINING CONDUCTORS SHALL INCLUDE A GROUND WIRE, NOT SHOWN IN THE WIRE/CONDUIT SCHEDULE. GROUND WIRE SHALL MATCH THE LARGEST CONDUCTOR (MIN. #8 UNLESS OTHERWISE NOTED).
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REVISIONS	DATE	BY	DESIGNED
			M. KENDALL
			DRAWN
			K. DUDDLESTEN
			CHECKED
			C. SCHOTT
			APPROVED
			A. FISHER

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY	
FILE NAME	PS3047013-EL16-20
JOB No.	214-3047-013
DATE	FEBRUARY 2021



PROJECT NAME
JBLM NORTH ACCESS ROAD IMPROVEMENTS - PHASE 1
LAKEWOOD, WASHINGTON

ELECTRICAL PLAN GRAVELLY LAKE DR SW
--

DRAWING NO. 117 OF 153
EL4

GENERAL NOTES

- UTILITY LOCATION PRIOR TO CONSTRUCTION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONFLICTS ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
- JUNCTION BOXES SHALL BE INSTALLED FLUSH AND ADJACENT TO SIDEWALK/CURB WITH A CONCRETE COLLAR (WHERE APPLICABLE), UNLESS OTHERWISE NOTED ON THE PLANS.
- CONDUIT LOCATIONS SHOWN ON THE PLAN ARE SCHEMATIC.
- ALL EQUIPMENT AND CONDUIT SHALL BE GROUNDED PER NEC REQUIREMENTS.

ILLUMINATION NOTES

- INSTALL LOCKING LID STANDARD DUTY JUNCTION BOX, TYPE 1 PER WSDOT STANDARD PLAN J-40.10-04.
- INSTALL LOCKING LID STANDARD DUTY JUNCTION BOX, TYPE 2 PER WSDOT STANDARD PLAN J-40.10-04.
- CONSTRUCT STREET LIGHT STANDARD FOUNDATION, POLE, ARM(S) AND LUMINAIRE(S) PER COL STD DWG IS-06, AND LUMINAIRE SCHEDULES ON SHEET EL12.
- INSTALL CONDUIT INTO CABINET AT BACK OF WALL. SPLICE SIGN BACK-LIGHTING WIRE TO CIRCUIT IN CABINET.
- CONSTRUCT FOUNDATION PER COL STD DWG IS-04. INSTALL SERVICE CABINET TYPE D PER WSDOT STANDARD PLAN J-10.21-01 ON FOUNDATION.
- EXISTING PSE LUMINAIRE TO REMAIN.
- EXISTING PSE LUMINAIRE TO BE REMOVED (BY PSE).
- INSTALL LOCKING LID STANDARD DUTY JUNCTION BOX, TYPE 8 PER WSDOT STANDARD PLAN J-40.30-04.
- INSTALL CONDUIT AND SERVICE WIRING TO EXISTING UTILITY POLE. INSTALL CONDUIT TO 10' UP THE POLE WITH SUFFICIENT SERVICE WIRE TO REACH POINT OF CONNECTION PER PSE STANDARDS. COORDINATE WITH PSE TO COMPLETE SERVICE CONNECTION.

SIGNAL REMOVAL NOTES

- REMOVE AND SALVAGE TO CITY EXISTING STEEL SIGNAL POLE AND ALL ASSOCIATED EQUIPMENT AND SIGNAL HEADS. REMOVE FOUNDATION, WIRE, CONDUIT TO NEAREST JUNCTION BOX(ES) AND JUNCTION BOX(ES).
- REMOVE AND SALVAGE TO CITY EXISTING SIGNAL CONTROLLER AND/OR SERVICE CABINET(S) AND ALL ASSOCIATED EQUIPMENT TO CITY. REMOVE FOUNDATION (IF PRESENT), WIRE AND CONDUIT TO NEAREST JUNCTION BOX. COORDINATE DECOMMISSIONING OF SERVICE WITH PSE PRIOR TO REMOVAL.
- REMOVE EXISTING WOOD POLE AND SPAN WIRE. SALVAGE SIGNAL HEADS TO CITY.

ILLUMINATION LEGEND

- STREET LIGHT
- SERVICE CABINET
- JUNCTION BOX - TYPE 1
- JUNCTION BOX - TYPE 2
- JUNCTION BOX - TYPE 8
- UNDERGROUND CONDUIT
- WIRE NOTE
- ILLUMINATION NOTE
- SIGNAL REMOVAL NOTE
- POLE IDENTIFICATION
- STREET LIGHT ID
- CIRCUIT ID
- SERVICE ID

PATH: U:\PSO\Projects\Clients\3047-City of Lakewood\214-3047-013_JBLM NorthAccess\99Scs\CADD\DWG PLOTTED BY: toyfact DATE: Tuesday, February 2, 2021 2:57:01 PM LAYOUT: EL5

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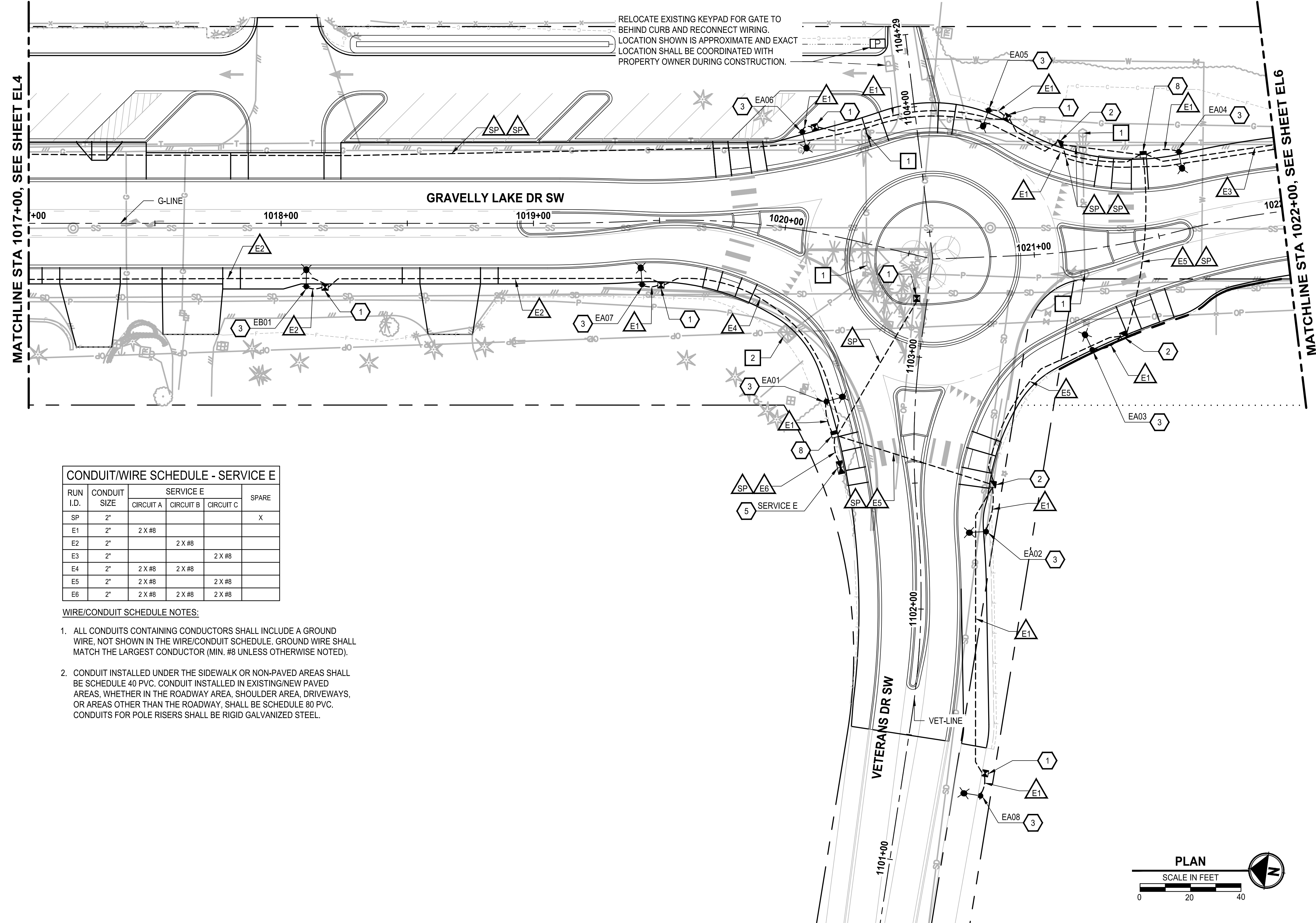
MATCHLINE STA 1022+00, SEE SHEET EL6

RELOCATE EXISTING KEYPAD FOR GATE TO BEHIND CURB AND RECONNECT WIRING. LOCATION SHOWN IS APPROXIMATE AND EXACT LOCATION SHALL BE COORDINATED WITH PROPERTY OWNER DURING CONSTRUCTION.

CONDUIT/WIRE SCHEDULE - SERVICE E					
RUN I.D.	CONDUIT SIZE	SERVICE E			SPARE
		CIRCUIT A	CIRCUIT B	CIRCUIT C	
SP	2"				X
E1	2"	2 X #8			
E2	2"		2 X #8		
E3	2"			2 X #8	
E4	2"	2 X #8	2 X #8		
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WIRE/CONDUIT SCHEDULE NOTES:

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SIGNAL REMOVAL NOTES

- REMOVE AND SALVAGE TO CITY EXISTING STEEL SIGNAL POLE AND ALL ASSOCIATED EQUIPMENT AND SIGNAL HEADS. REMOVE FOUNDATION, WIRE, CONDUIT TO NEAREST JUNCTION BOX(ES) AND JUNCTION BOX(ES).
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ILLUMINATION LEGEND

- STREET LIGHT
- SERVICE CABINET
- JUNCTION BOX - TYPE 1
- JUNCTION BOX - TYPE 2
- JUNCTION BOX - TYPE 8
- UNDERGROUND CONDUIT
- WIRE NOTE
- ILLUMINATION NOTE
- SIGNAL REMOVAL NOTE
- POLE IDENTIFICATION
- STREET LIGHT ID
- CIRCUIT ID
- SERVICE ID

REVISIONS	DATE	BY	DESIGNED
			M. KENDALL
			DRAWN K. DUDDLESTEN
			CHECKED C. SCHOTT
			APPROVED A. FISHER

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME PS3047013-EL16-20
JOB No. 214-3047-013
DATE FEBRUARY 2021

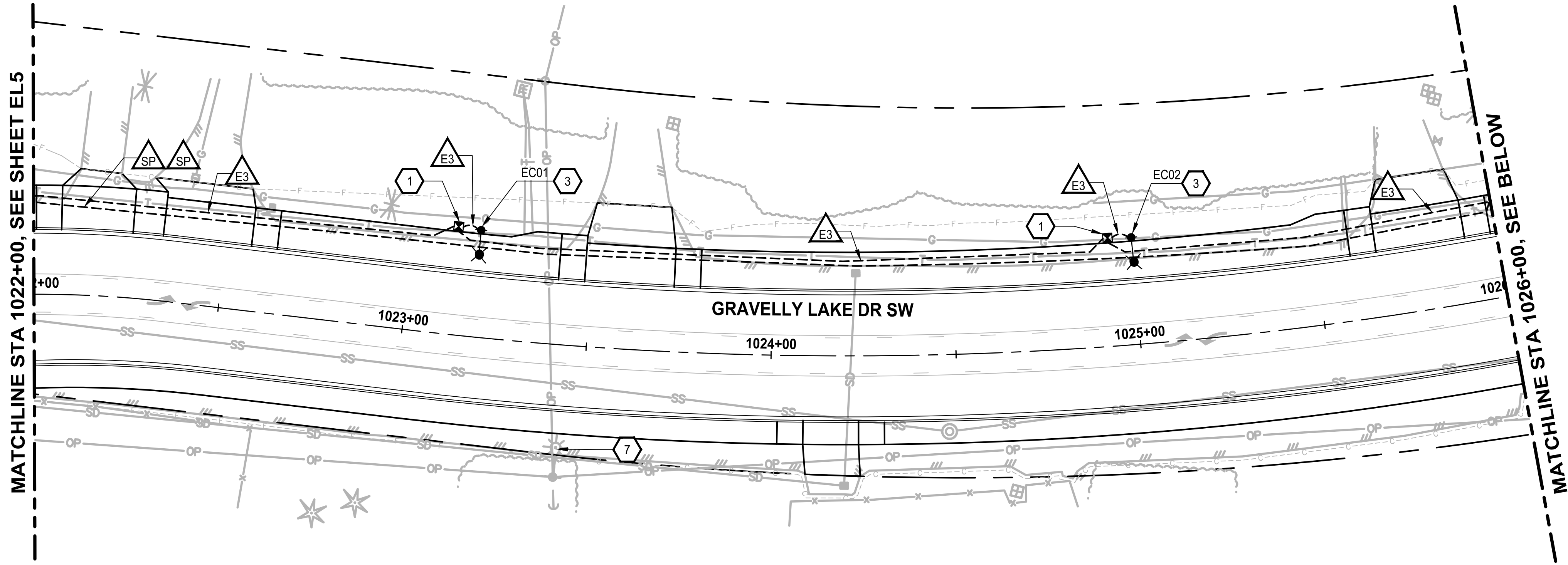


PROJECT NAME
JBLM NORTH ACCESS ROAD IMPROVEMENTS - PHASE 1
LAKEWOOD, WASHINGTON

ELECTRICAL PLAN GRAVELLY LAKE DR SW
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DRAWING NO. 118 OF 153
EL5

PATH: U:\PSO\Projects\Clients\3047-City of Lakewood\14-3047-013 JBLM North Access\995vcs\CADD\DWG PLOTTED BY: toyekot DATE: Wednesday, February 3, 2021 11:13:17 AM LAYOUT: EL6



CONDUIT/WIRE SCHEDULE - SERVICE E					
RUN I.D.	CONDUIT SIZE	SERVICE E			SPARE
		CIRCUIT A	CIRCUIT B	CIRCUIT C	
SP	2"				X
E1	2"	2 X #8			
E2	2"		2 X #8		
E3	2"			2 X #8	
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E5	2"	2 X #8		2 X #8	
E6	2"	2 X #8	2 X #8	2 X #8	

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ILLUMINATION NOTES

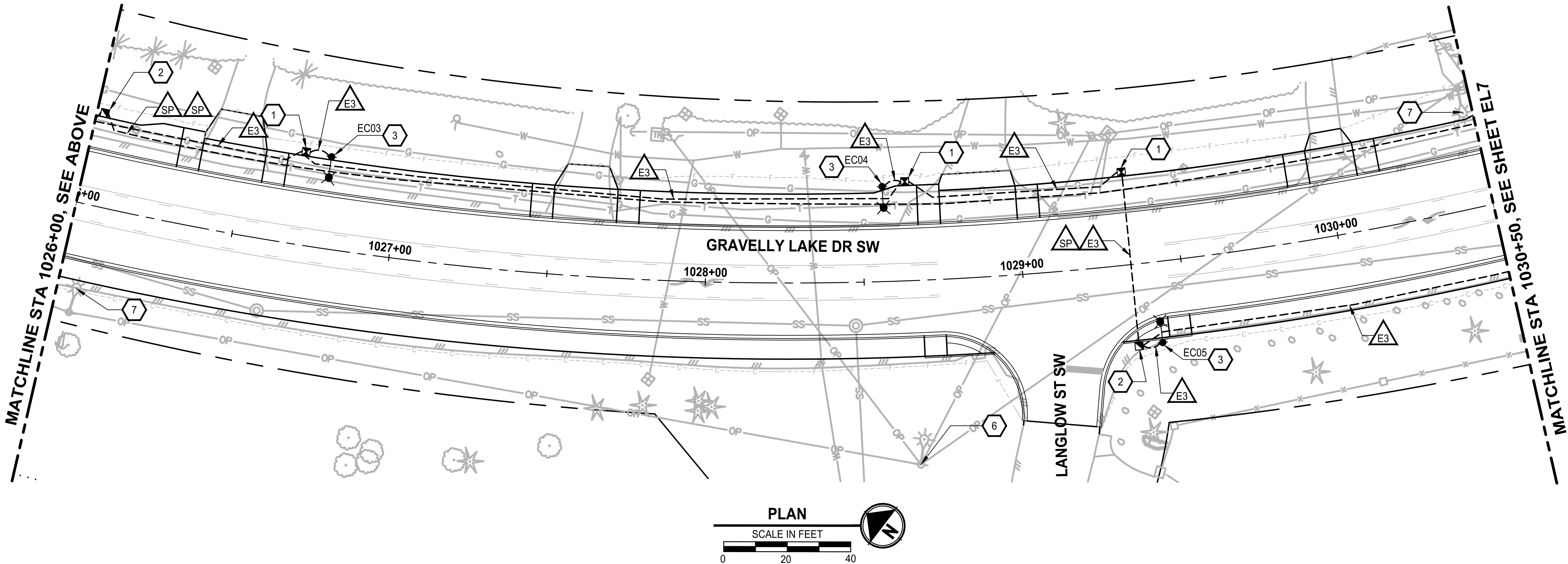
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ILLUMINATION LEGEND

- STREET LIGHT
- SERVICE CABINET
- JUNCTION BOX - TYPE 1
- JUNCTION BOX - TYPE 2
- JUNCTION BOX - TYPE 8
- UNDERGROUND CONDUIT
- WIRE NOTE
- ILLUMINATION NOTE
- SIGNAL REMOVAL NOTE
- POLE IDENTIFICATION
- STREET LIGHT ID
- CIRCUIT ID
- SERVICE ID



REVISIONS	DATE	BY	DESIGNED
			M. KENDALL
			K. DUDDLESTEN
			CHECKED C. SCHOTT
			APPROVED A. FISHER

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME PS3047013-EL16-20
JOB No. 214-3047-013
DATE FEBRUARY 2021

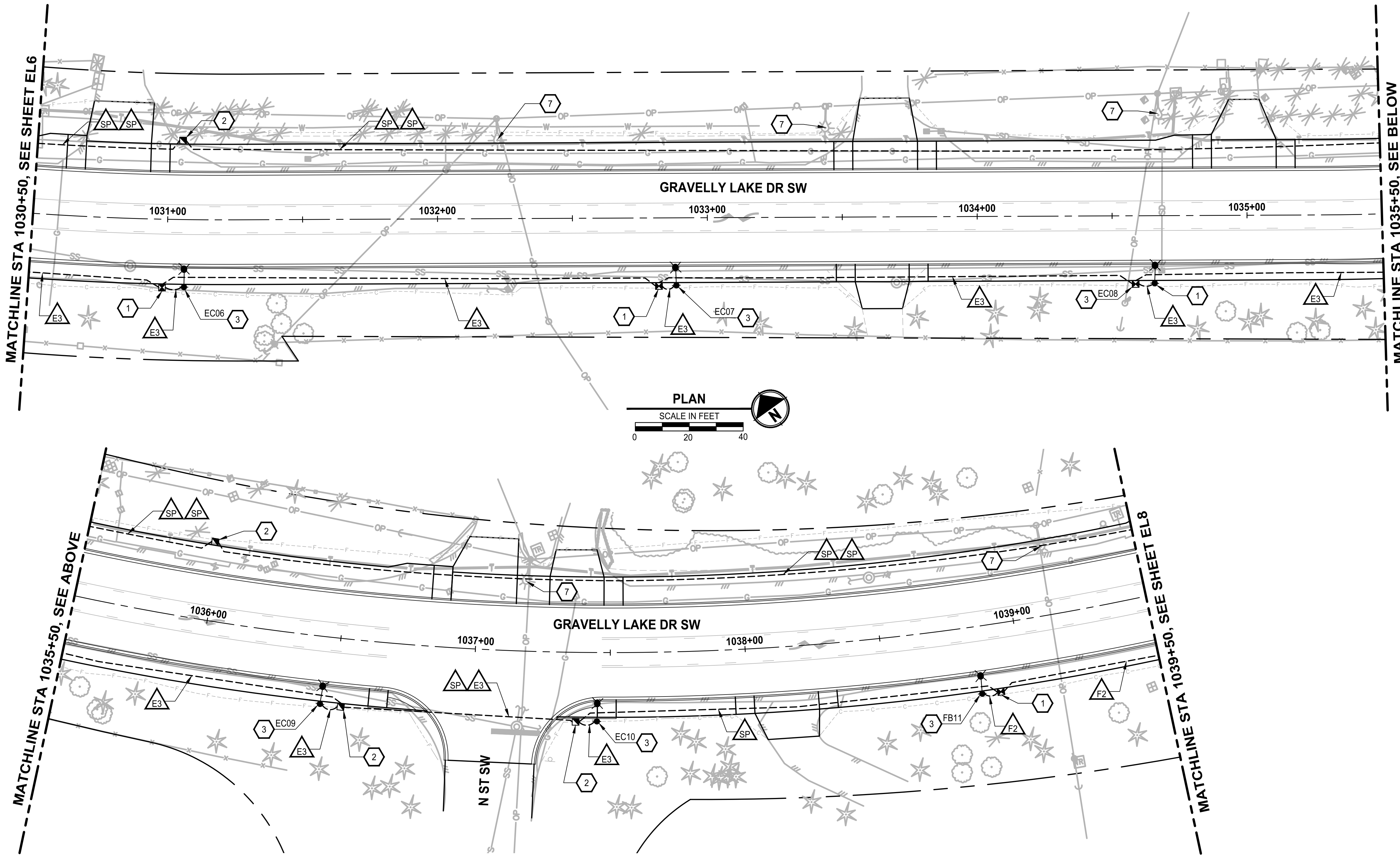


PROJECT NAME
JBLM NORTH ACCESS ROAD IMPROVEMENTS - PHASE 1
LAKEWOOD, WASHINGTON

ELECTRICAL PLAN GRAVELLY LAKE DR SW
--

DRAWING NO. 119 OF 153
EL6

PATH: U:\PSO\Projects\Clients\3047-City of Lakewood\214-3047-013_JBLM NorthAccess\995\cadd\DWG PLOTTED BY: toyfact DATE: Monday, February 1, 2021 5:13:04 PM LAYOUT: EL7

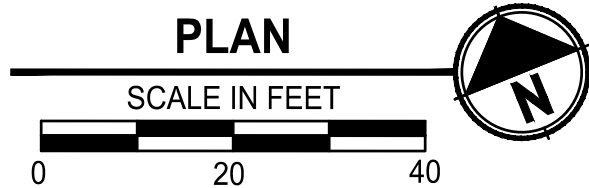


CONDUIT/WIRE SCHEDULE - SERVICE E					
RUN I.D.	CONDUIT SIZE	SERVICE E			SPARE
		CIRCUIT A	CIRCUIT B	CIRCUIT C	
SP	2"				X
E1	2"	2 X #8			
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E3	2"			2 X #8	
E4	2"	2 X #8	2 X #8		
E5	2"	2 X #8		2 X #8	
E6	2"	2 X #8	2 X #8	2 X #8	

CONDUIT/WIRE SCHEDULE - SERVICE F				
RUN I.D.	CONDUIT SIZE	SERVICE F		SPARE
		CIRCUIT A	CIRCUIT B	
SP	2"			X
F1	2"	2 X #8		
F2	2"		2 X #8	
F3	2"	2 X #8	2 X #8	

WIRE/CONDUIT SCHEDULE NOTES:

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SIGNAL REMOVAL NOTES

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ILLUMINATION LEGEND

- STREET LIGHT
- SERVICE CABINET
- JUNCTION BOX - TYPE 1
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- WIRE NOTE
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- POLE IDENTIFICATION
- STREET LIGHT ID
- CIRCUIT ID
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REVISIONS	DATE	BY	DESIGNED
			M. KENDALL
			DRAWN K. DUDDLESTEN
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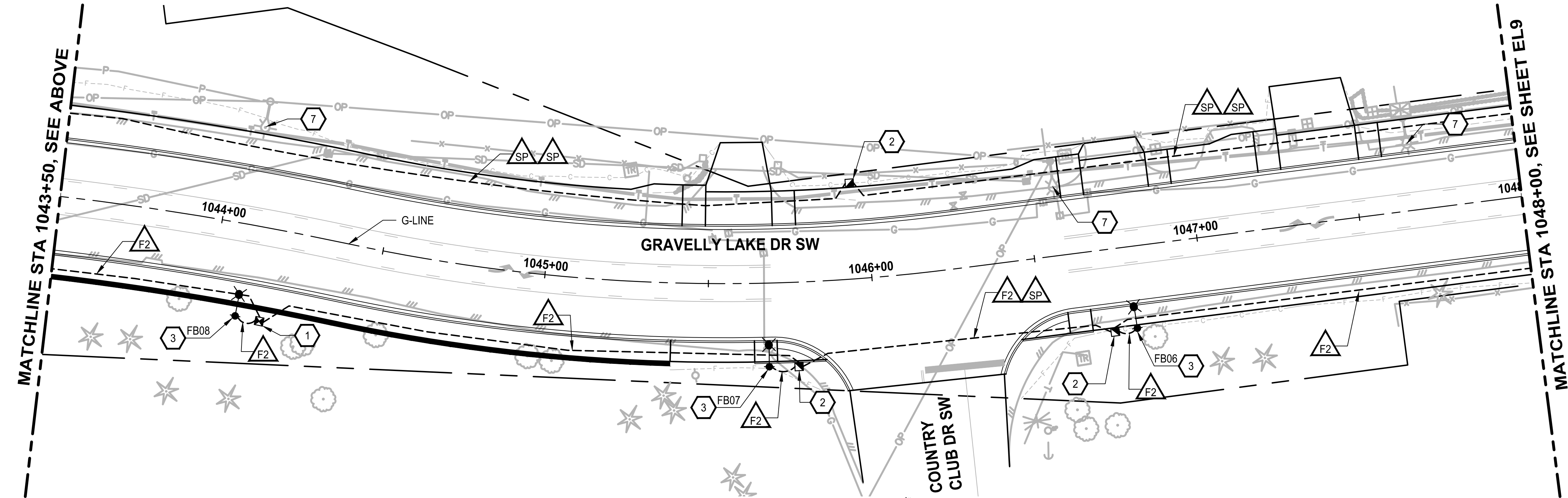


PROJECT NAME
JBLM NORTH ACCESS ROAD IMPROVEMENTS - PHASE 1
LAKEWOOD, WASHINGTON

ELECTRICAL PLAN GRAVELLY LAKE DR SW
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DRAWING NO. 120 OF 153
EL7

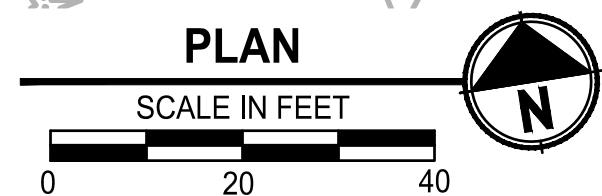
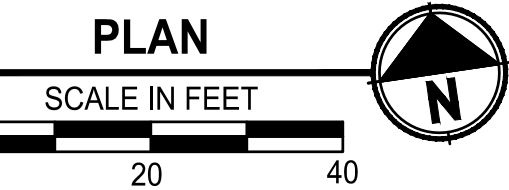
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CONDUIT/WIRE SCHEDULE - SERVICE F				
RUN I.D.	CONDUIT SIZE	SERVICE F		SPARE
		CIRCUIT A	CIRCUIT B	
SP	2"			X
F1	2"	2 X #8		
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- EXISTING PSE LUMINAIRE TO BE REMOVED (BY PSE).
- INSTALL LOCKING LID STANDARD DUTY JUNCTION BOX, TYPE 8 PER WSDOT STANDARD PLAN J-40.30-04.
- INSTALL CONDUIT AND SERVICE WIRING TO EXISTING UTILITY POLE. INSTALL CONDUIT TO 10' UP THE POLE WITH SUFFICIENT SERVICE WIRE TO REACH POINT OF CONNECTION PER PSE STANDARDS. COORDINATE WITH PSE TO COMPLETE SERVICE CONNECTION.

SIGNAL REMOVAL NOTES

- REMOVE AND SALVAGE TO CITY EXISTING STEEL SIGNAL POLE AND ALL ASSOCIATED EQUIPMENT AND SIGNAL HEADS. REMOVE FOUNDATION, WIRE, CONDUIT TO NEAREST JUNCTION BOX(ES) AND JUNCTION BOX(ES).
- REMOVE AND SALVAGE TO CITY EXISTING SIGNAL CONTROLLER AND/OR SERVICE CABINET(S) AND ALL ASSOCIATED EQUIPMENT TO CITY. REMOVE FOUNDATION (IF PRESENT), WIRE AND CONDUIT TO NEAREST JUNCTION BOX. COORDINATE DECOMMISSIONING OF SERVICE WITH PSE PRIOR TO REMOVAL.
- REMOVE EXISTING WOOD POLE AND SPAN WIRE. SALVAGE SIGNAL HEADS TO CITY.

ILLUMINATION LEGEND

- STREET LIGHT
- SERVICE CABINET
- JUNCTION BOX - TYPE 1
- JUNCTION BOX - TYPE 2
- JUNCTION BOX - TYPE 8
- UNDERGROUND CONDUIT
- WIRE NOTE
- ILLUMINATION NOTE
- SIGNAL REMOVAL NOTE
- POLE IDENTIFICATION
- STREET LIGHT ID
- CIRCUIT ID
- SERVICE ID

REVISIONS	DATE	BY	DESIGNED
			M. KENDALL
			DRAWN K. DUDDLESTEN
			CHECKED C. SCHOTT
			APPROVED A. FISHER

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY	
FILE NAME	PS3047013-EL16-20
JOB No.	214-3047-013
DATE	FEBRUARY 2021

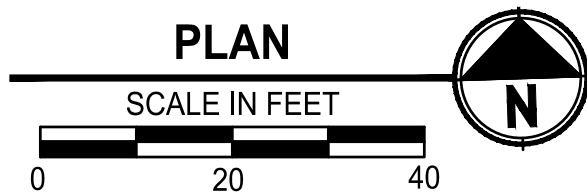
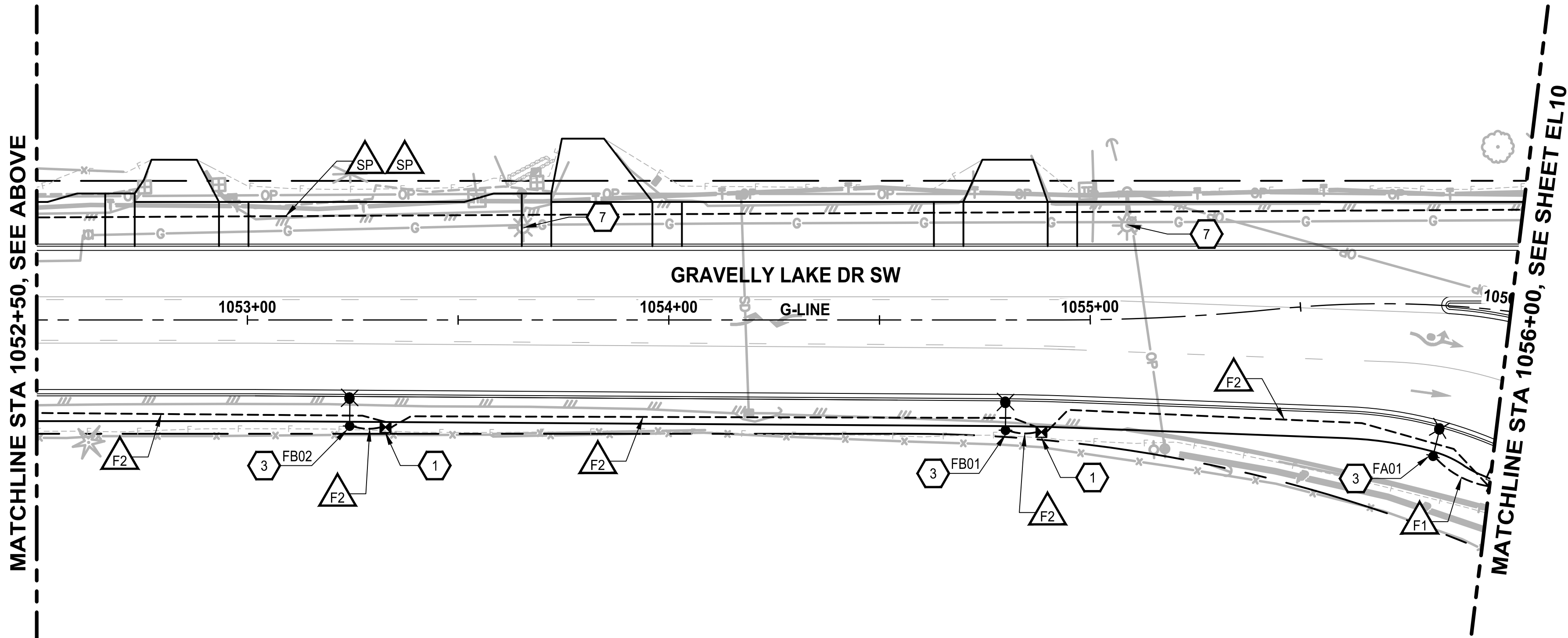
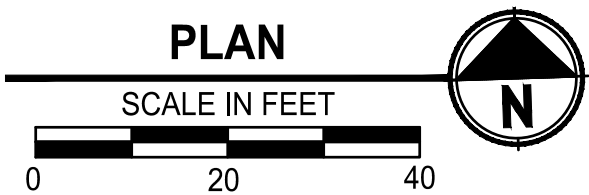
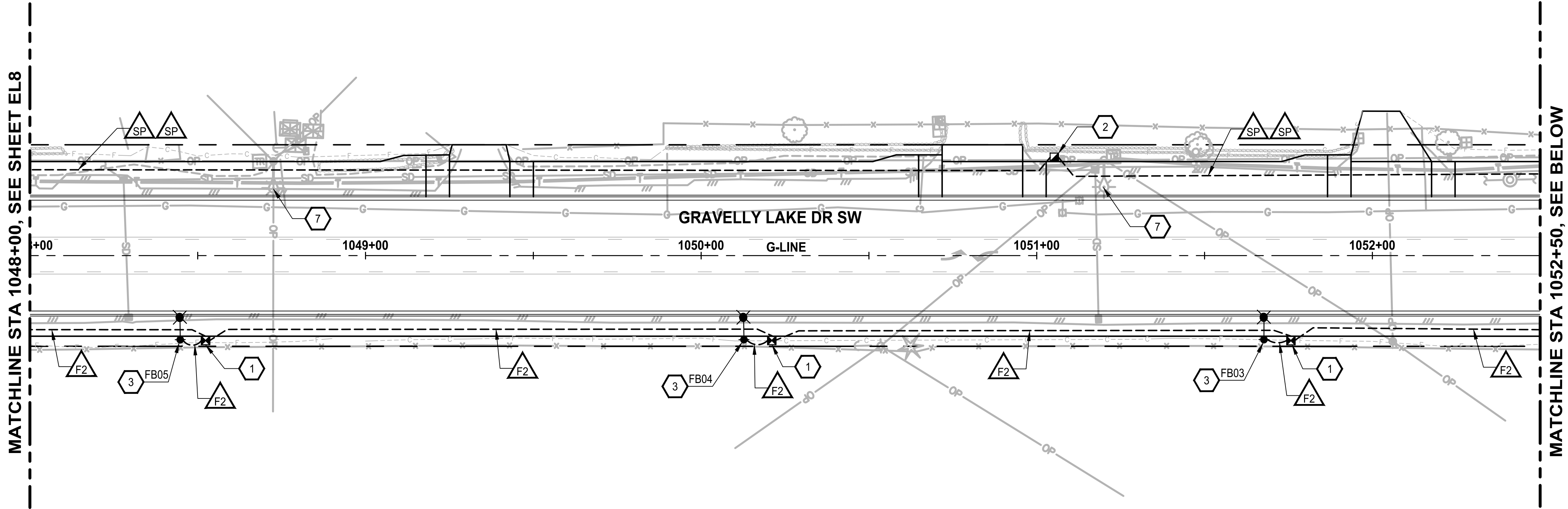


PROJECT NAME
JBLM NORTH ACCESS ROAD IMPROVEMENTS - PHASE 1
LAKEWOOD, WASHINGTON

ELECTRICAL PLAN GRAVELLY LAKE DR SW
--

DRAWING NO. 121 OF 153
EL8

PATH: U:\P50\Projects\Clients\3047-City of Lakewood\214-3047-013_JBLM NorthAccess\995sca\CADD\DWG PLOTTED BY: toyfact DATE: Tuesday, February 2, 2021 3:04:02 PM LAYOUT: EL9



CONDUIT/WIRE SCHEDULE - SERVICE F				
RUN I.D.	CONDUIT SIZE	SERVICE F		SPARE
		CIRCUIT A	CIRCUIT B	
SP	2"			X
F1	2"	2 X #8		
F2	2"		2 X #8	
F3	2"	2 X #8	2 X #8	

WIRE/CONDUIT SCHEDULE NOTES:

- ALL CONDUITS CONTAINING CONDUCTORS SHALL INCLUDE A GROUND WIRE, NOT SHOWN IN THE WIRE/CONDUIT SCHEDULE. GROUND WIRE SHALL MATCH THE LARGEST CONDUCTOR (MIN. #8 UNLESS OTHERWISE NOTED).
- CONDUIT INSTALLED UNDER THE SIDEWALK OR NON-PAVED AREAS SHALL BE SCHEDULE 40 PVC. CONDUIT INSTALLED IN EXISTING/NEW PAVED AREAS, WHETHER IN THE ROADWAY AREA, SHOULDER AREA, DRIVEWAYS, OR AREAS OTHER THAN THE ROADWAY, SHALL BE SCHEDULE 80 PVC. CONDUITS FOR POLE RISERS SHALL BE RIGID GALVANIZED STEEL.

GENERAL NOTES

- UTILITY LOCATION PRIOR TO CONSTRUCTION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONFLICTS ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
- JUNCTION BOXES SHALL BE INSTALLED FLUSH AND ADJACENT TO SIDEWALK/CURB WITH A CONCRETE COLLAR (WHERE APPLICABLE), UNLESS OTHERWISE NOTED ON THE PLANS.
- CONDUIT LOCATIONS SHOWN ON THE PLAN ARE SCHEMATIC.
- ALL EQUIPMENT AND CONDUIT SHALL BE GROUNDED PER NEC REQUIREMENTS.

ILLUMINATION NOTES

- INSTALL LOCKING LID STANDARD DUTY JUNCTION BOX, TYPE 1 PER WSDOT STANDARD PLAN J-40.10-04.
- INSTALL LOCKING LID STANDARD DUTY JUNCTION BOX, TYPE 2 PER WSDOT STANDARD PLAN J-40.10-04.
- CONSTRUCT STREET LIGHT STANDARD FOUNDATION, POLE, ARM(S) AND LUMINAIRE(S) PER COL STD DWG IS-06, AND LUMINAIRE SCHEDULES ON SHEET EL12.
- INSTALL CONDUIT INTO CABINET AT BACK OF WALL. SPLICE SIGN BACK-LIGHTING WIRE TO CIRCUIT IN CABINET.
- CONSTRUCT FOUNDATION PER COL STD DWG IS-04. INSTALL SERVICE CABINET TYPE D PER WSDOT STANDARD PLAN J-10.21-01 ON FOUNDATION.
- EXISTING PSE LUMINAIRE TO REMAIN.
- EXISTING PSE LUMINAIRE TO BE REMOVED (BY PSE).
- INSTALL LOCKING LID STANDARD DUTY JUNCTION BOX, TYPE 8 PER WSDOT STANDARD PLAN J-40.30-04.
- INSTALL CONDUIT AND SERVICE WIRING TO EXISTING UTILITY POLE. INSTALL CONDUIT TO 10' UP THE POLE WITH SUFFICIENT SERVICE WIRE TO REACH POINT OF CONNECTION PER PSE STANDARDS. COORDINATE WITH PSE TO COMPLETE SERVICE CONNECTION.

SIGNAL REMOVAL NOTES

- REMOVE AND SALVAGE TO CITY EXISTING STEEL SIGNAL POLE AND ALL ASSOCIATED EQUIPMENT AND SIGNAL HEADS. REMOVE FOUNDATION, WIRE, CONDUIT TO NEAREST JUNCTION BOX(ES) AND JUNCTION BOX(ES).
- REMOVE AND SALVAGE TO CITY EXISTING SIGNAL CONTROLLER AND/OR SERVICE CABINET(S) AND ALL ASSOCIATED EQUIPMENT TO CITY. REMOVE FOUNDATION (IF PRESENT), WIRE AND CONDUIT TO NEAREST JUNCTION BOX. COORDINATE DECOMMISSIONING OF SERVICE WITH PSE PRIOR TO REMOVAL.
- REMOVE EXISTING WOOD POLE AND SPAN WIRE. SALVAGE SIGNAL HEADS TO CITY.

ILLUMINATION LEGEND

- STREET LIGHT
- SERVICE CABINET
- JUNCTION BOX - TYPE 1
- JUNCTION BOX - TYPE 2
- JUNCTION BOX - TYPE 8
- UNDERGROUND CONDUIT
- WIRE NOTE
- ILLUMINATION NOTE
- SIGNAL REMOVAL NOTE
- POLE IDENTIFICATION
- STREET LIGHT ID
- CIRCUIT ID
- SERVICE ID

REVISIONS	DATE	BY	DESIGNED
			M. KENDALL
			DRAWN K. DUDDLESTEN
			CHECKED C. SCHOTT
			APPROVED A. FISHER

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY

FILE NAME PS3047013-EL21-23

JOB No. 214-3047-013

DATE FEBRUARY 2021



Parametrix
ENGINEERING . PLANNING . ENVIRONMENTAL SCIENCES

1019 39TH AVE SE, SUITE 100
PUYALLUP, WA 98374
P 253.604.6600
WWW.PARAMETRIX.COM

b bcr

2106 PACIFIC AVE, SUITE 300
TACOMA, WA 98402
P 253.627.4367
WWW.BCRDESIGN.COM

PROJECT NAME

JBLM NORTH ACCESS ROAD IMPROVEMENTS - PHASE 1

LAKEWOOD, WASHINGTON

ELECTRICAL PLAN
GRAVELLY LAKE DR SW

DRAWING NO.
122 OF 153

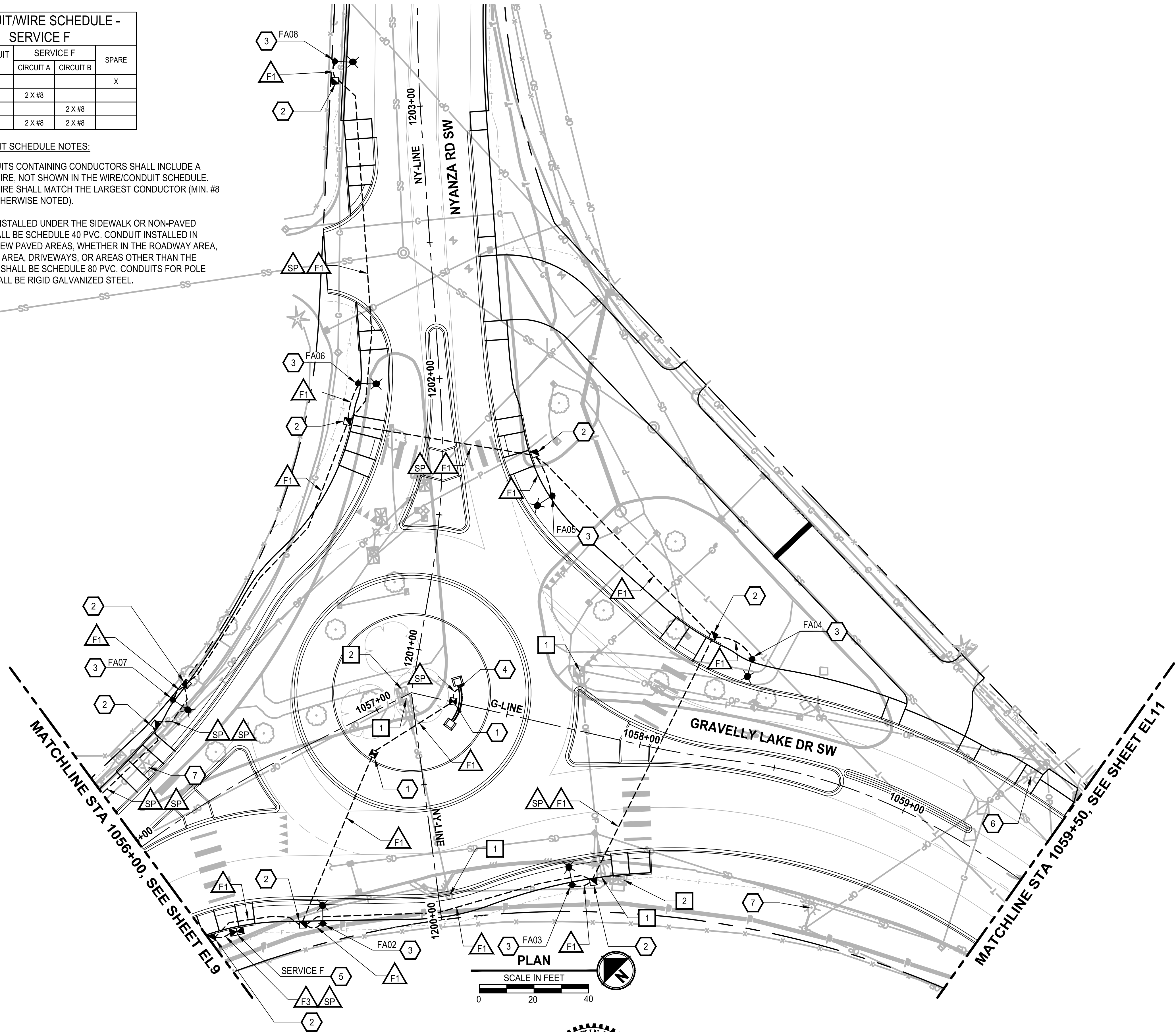
EL9

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CONDUIT/WIRE SCHEDULE - SERVICE F				
RUN I.D.	CONDUIT SIZE	SERVICE F		SPARE
		CIRCUIT A	CIRCUIT B	
SP	2"			X
F1	2"	2 X #8		
F2	2"		2 X #8	
F3	2"	2 X #8	2 X #8	

WIRE/CONDUIT SCHEDULE NOTES:

- ALL CONDUITS CONTAINING CONDUCTORS SHALL INCLUDE A GROUND WIRE, NOT SHOWN IN THE WIRE/CONDUIT SCHEDULE. GROUND WIRE SHALL MATCH THE LARGEST CONDUCTOR (MIN. #8 UNLESS OTHERWISE NOTED).
- CONDUIT INSTALLED UNDER THE SIDEWALK OR NON-PAVED AREAS SHALL BE SCHEDULE 40 PVC. CONDUIT INSTALLED IN EXISTING/NEW PAVED AREAS, WHETHER IN THE ROADWAY AREA, SHOULDER AREA, DRIVEWAYS, OR AREAS OTHER THAN THE ROADWAY, SHALL BE SCHEDULE 80 PVC. CONDUITS FOR POLE RISERS SHALL BE RIGID GALVANIZED STEEL.



GENERAL NOTES

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ILLUMINATION NOTES

- INSTALL LOCKING LID STANDARD DUTY JUNCTION BOX, TYPE 1 PER WSDOT STANDARD PLAN J-40.10-04.
- INSTALL LOCKING LID STANDARD DUTY JUNCTION BOX, TYPE 2 PER WSDOT STANDARD PLAN J-40.10-04.
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- INSTALL CONDUIT INTO CABINET AT BACK OF WALL. SPLICE SIGN BACK-LIGHTING WIRE TO CIRCUIT IN CABINET.
- CONSTRUCT FOUNDATION PER COL STD DWG IS-04. INSTALL SERVICE CABINET TYPE D PER WSDOT STANDARD PLAN J-10.21-01 ON FOUNDATION.
- EXISTING PSE LUMINAIRE TO REMAIN.
- EXISTING PSE LUMINAIRE TO BE REMOVED (BY PSE).
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SIGNAL REMOVAL NOTES

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- REMOVE EXISTING WOOD POLE AND SPAN WIRE. SALVAGE SIGNAL HEADS TO CITY.

ILLUMINATION LEGEND

- STREET LIGHT
- SERVICE CABINET
- JUNCTION BOX - TYPE 1
- JUNCTION BOX - TYPE 2
- JUNCTION BOX - TYPE 8
- UNDERGROUND CONDUIT
- WIRE NOTE
- ILLUMINATION NOTE
- SIGNAL REMOVAL NOTE
- POLE IDENTIFICATION
- STREET LIGHT ID
- CIRCUIT ID
- SERVICE ID

REVISIONS	DATE	BY	DESIGNED
			M. KENDALL
			D. SCHNEIDER
			C. SCHOTT
			A. FISHER

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY.
FILE NAME PS3047013-EL21-23
JOB No. 214-3047-013
DATE FEBRUARY 2021

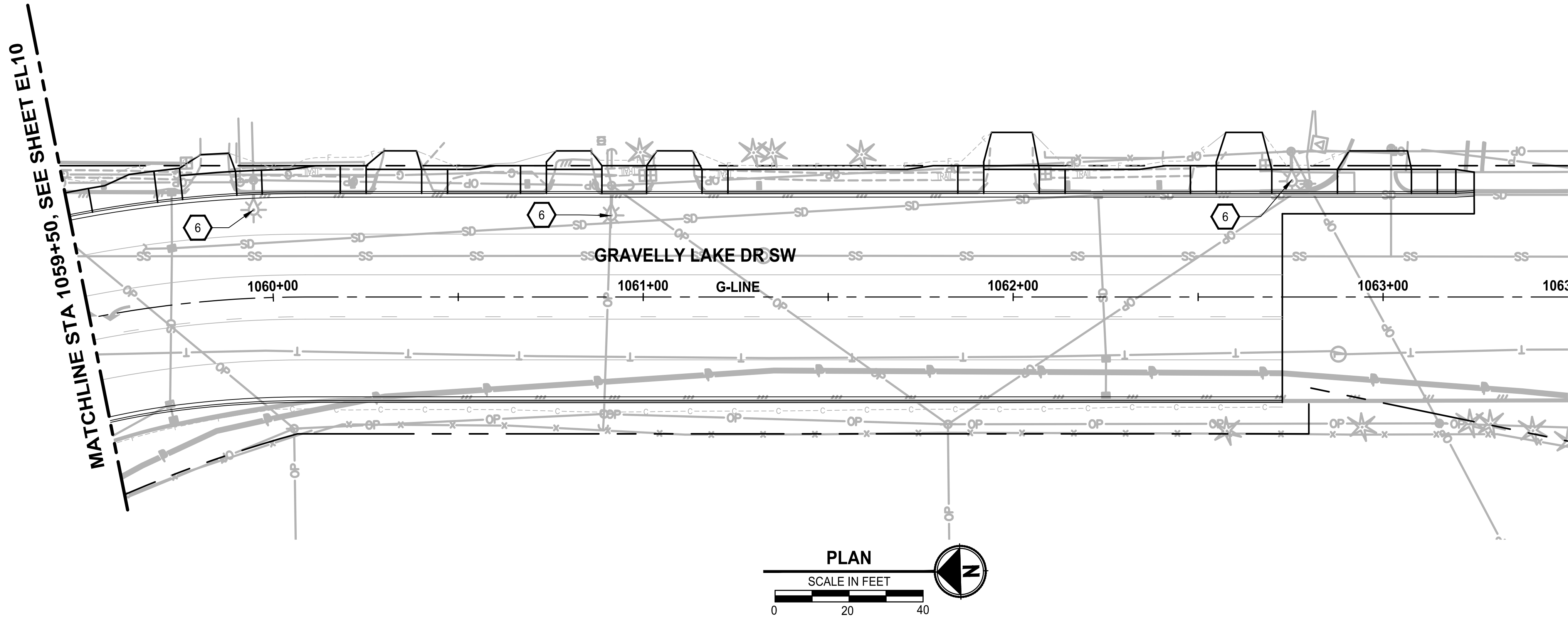


PROJECT NAME
JBLM NORTH ACCESS ROAD IMPROVEMENTS - PHASE 1
LAKEWOOD, WASHINGTON

ELECTRICAL PLAN GRAVELLY LAKE DR SW
--

DRAWING NO. 123 OF 153
EL10

U:\PSO\Projects\Clients\3047-City of Lakewood\214-3047-013_JBLM NorthAccess\99Sves\CADD\DWG PLOTTED BY: toyokot DATE: Tuesday, February 2, 2021 3:05:09 PM LAYOUT: EL11



GENERAL NOTES

- UTILITY LOCATION PRIOR TO CONSTRUCTION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONFLICTS ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
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ILLUMINATION NOTES

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ILLUMINATION LEGEND

- STREET LIGHT
- SERVICE CABINET
- JUNCTION BOX - TYPE 1
- JUNCTION BOX - TYPE 2
- JUNCTION BOX - TYPE 8
- UNDERGROUND CONDUIT
- WIRE NOTE
- ILLUMINATION NOTE
- SIGNAL REMOVAL NOTE
- POLE IDENTIFICATION
- STREET LIGHT ID
- CIRCUIT ID
- SERVICE ID

REVISIONS	DATE	BY	DESIGNED
			M. KENDALL
			DRAWN
			K. DUDDLESTEN
			CHECKED
			C. SCHOTT
			APPROVED
			A. FISHER

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME PS3047013-EL21-23
JOB No. 214-3047-013
DATE FEBRUARY 2021



PROJECT NAME
JBLM NORTH ACCESS ROAD IMPROVEMENTS - PHASE 1
LAKEWOOD, WASHINGTON

ELECTRICAL PLAN GRAVELLY LAKE DR SW
--

DRAWING NO. 124 OF 153
EL11

PATH: U:\PSQ\Projects\Clients\3047-City of Lakewood\214-3047-013 JBLM North Access\99Sves\CADD\DWG PLOTTED BY: tayekot DATE: Monday, February 1, 2021 5:46:02 PM LAYOUT: EL12

LUMINAIRE SCHEDULE FOR "SERVICE D" CABINET AT WASHINGTON BLVD/GRAVELLY LAKE DR ROUNDABOUT											
POLE #	CIRCUIT	ALIGNMENT	STATION (1)	OFFSET (1)	TOP OF FOUND. ELEVATION (9)	MOUNTING HEIGHT	ARM LENGTH	ORIENTATION ANGLE (2)	LUMINAIRE TYPE	SHEET REFERENCE	NOTES
DA01	A	G	1005+62.7	41.0' RT	267.73	35'	10'	335	3D	EL3	
DA02	A	W	265+05.7	30.1' RT	267.95	35'	10'	5	3D	EL3	
DA03	A	W	265+53.7	37.3' LT	268.09	35'	10'	335	3D	EL3	
DA04	A	G	1004+34.0	64.8' RT	269.81	35'	10'	35	3D	EL3	
DA05	A	G	1003+53.6	29.5' RT	268.33	35'	10'	5	3D	EL3	
DA06	A	G	1006+09.9	31.8' LT	267.75	35'	10'	5	3D	EL3	
DA07	A	W	267+14.2	25.4' RT	268.09	35'	10'	285	3D	EL3	
DA08	A	G	1004+10.5	51.4' LT	268.68	35'	10'	330	3D	EL3	
DA09	A	W	263+67.1	0.0'	266.60	30'	2 X 4'	0	2 X 3B	EL2	NOTE 7, NOTE 8
DA10	A	W	262+22.5	0.0'	266.00	30'	2 X 4'	0	2 X 3B	EL2	NOTE 7, NOTE 8
DB01	B	W	260+33.4	34.7' RT	264.65	25'	4'	340	3C	EL1	
DB02	B	W	260+98.9	24.1' LT	264.58	25'	4'	0	3C	EL1	
DB03	B	I	903+02.4	39.6' RT	NOTE 6	25'	4'	340	3C	EL1	NOTE 6
DB04	B	I	903+58.8	22.5' LT	260.83	25'	4'	0	3C	EL1	
DB05	B	W	259+16.0	35.1' LT	264.50	25'	4'	340	3C	EL1	
DB06	B	I	901+44.6	20.7' RT	267.35	25'	4'	5	3C	EL1	
DB07	B	I	901+93.8	35.4' LT	265.51	25'	4'	335	3C	EL1	
DB08	B	W	258+68.0	24.2' RT	265.83	25'	4'	0	3C	EL1	
DB09	B	W	257+69.2	30.1' LT	267.64	25'	4'	0	3C	EL1	

LUMINAIRE SCHEDULE FOR "SERVICE E" CABINET AT VETERANS DR/GRAVELLY LAKE DR ROUNDABOUT											
POLE #	CIRCUIT	ALIGNMENT	STATION (1)	OFFSET (1)	TOP OF FOUND. ELEVATION (9)	MOUNTING HEIGHT	ARM LENGTH	ORIENTATION ANGLE (2)	LUMINAIRE TYPE	SHEET REFERENCE	NOTES
EA01	A	VET	1102+80.5	35.2' LT	273.70	35'	10'	340	3D	EL5	
EA02	A	VET	1102+28.8	26.7' RT	272.91	35'	10'	0	3D	EL5	
EA03	A	G	1021+18.1	39.7' RT	273.04	35'	10'	340	3D	EL5	NOTE 4
EA04	A	G	1021+65.4	30.5' LT	273.44	35'	10'	0	3D	EL5	
EA05	A	VET	1103+95.1	29.1' RT	274.49	35'	10'	295	3D	EL5	
EA06	A	G	1020+01.1	38.5' LT	273.92	35'	10'	340	3D	EL5	
EA07	A	G	1019+41.9	25.0' RT	273.41	35'	10'	0	3D	EL5	
EA08	A	VET	1101+30.3	31.6' RT	NOTE 10	35'	10'	0	3D	EL5	
EB01	B	G	1018+10.0	25.0' RT	271.20	35'	10'	0	3A	EL5	
EB02	B	G	1016+33.4	25.0' RT	268.13	35'	10'	0	3A	EL4	
EB03	B	G	1014+54.6	25.0' RT	267.16	35'	10'	0	3A	EL4	
EB04	B	G	1012+75.3	25.0' RT	266.27	35'	10'	0	3A	EL4	
EB05	B	G	1010+94.7	25.0' RT	265.39	35'	10'	0	3A	EL4	
EB06	B	G	1009+14.5	25.0' RT	266.12	35'	10'	0	3A	EL4	
EB07	B	G	1007+35.4	25.0' RT	267.04	35'	10'	0	3A	EL4	
EC01	C	G	1023+18.6	29.0' LT	272.17	35'	10'	0	3A	EL6	
EC02	C	G	1024+99.7	29.0' LT	271.79	35'	10'	0	3A	EL6	
EC03	C	G	1026+77.5	29.0' LT	273.62	35'	10'	0	3A	EL6	
EC04	C	G	1028+56.5	30.0' LT	275.04	35'	10'	0	3A	EL6	
EC05	C	G	1029+41.4	25.5' RT	274.43	35'	10'	0	3A	EL6	
EC06	C	G	1031+06.3	25.0' RT	273.26	35'	10'	0	3A	EL7	
EC07	C	G	1032+88.4	25.0' RT	274.12	35'	10'	0	3A	EL7	
EC08	C	G	1034+65.7	25.0' RT	275.27	35'	10'	0	3A	EL7	
EC09	C	G	1036+44.9	25.0' RT	276.42	35'	10'	0	3A	EL7	
EC10	C	G	1037+45.2	25.5' RT	277.05	35'	10'	0	3A	EL7	

LUMINAIRE SCHEDULE FOR "SERVICE F" CABINET AT NYANZA RD/GRAVELLY LAKE DR ROUNDABOUT											
POLE #	CIRCUIT	ALIGNMENT	STATION (1)	OFFSET (1)	TOP OF FOUND. ELEVATION (9)	MOUNTING HEIGHT	ARM LENGTH	ORIENTATION ANGLE (2)	LUMINAIRE TYPE	SHEET REFERENCE	NOTES
FA01	A	G	1055+83.5	35.8' RT	280.97	35'	10'	10	3D	EL9	
FA02	A	G	1056+43.2	60.1' RT	280.93	35'	10'	30	3D	EL10	
FA03	A	G	1057+87.2	55.6' RT	281.25	35'	10'	340	3D	EL10	
FA04	A	G	1058+36.6	37.9' LT	281.35	35'	10'	10	3D	EL10	
FA05	A	NY	1201+59.3	40.9' RT	282.30	35'	10'	325	3D	EL10	
FA06	A	NY	1202+00.3	29.9' LT	281.34	35'	10'	5	3D	EL10	
FA07	A	G	1056+37.8	38.5' LT	281.71	35'	10'	335	3D	EL10	
FA08	A	NY	1203+17.3	30.5' LT	279.32	35'	10'	0	3D	EL10	
FB01	B	G	1054+79.9	26.2' RT	280.62	35'	10'	0	3A	EL9	
FB02	B	G	1053+24.3	25.0' RT	279.70	35'	10'	0	3A	EL9	
FB03	B	G	1051+67.7	25.0' RT	278.76	35'	10'	0	3A	EL9	
FB04	B	G	1050+12.8	25.0' RT	277.82	35'	10'	0	3A	EL9	
FB05	B	G	1048+44.8	25.0' RT	275.79	35'	10'	0	3A	EL9	
FB06	B	G	1046+78.5	25.0' RT	270.24	35'	10'	0	3A	EL8	
FB07	B	G	1045+68.0	25.5' RT	266.84	35'	10'	0	3A	EL8	
FB08	B	G	1044+09.1	28.0' RT	NOTE 10	35'	10'	0	3A	EL8	NOTE 5
FB09	B	G	1042+27.1	28.0' RT	NOTE 10	35'	10'	0	3A	EL8	NOTE 5
FB10	B	G	1040+48.4	25.0' RT	269.10	35'	10'	0	3A	EL8	
FB11	B	G	1038+84.8	25.0' RT	275.81	35'	10'	0	3A	EL7	

LUMINAIRE SCHEDULE NOTES:

- 1) STATIONS AND OFFSETS ARE TO THE CENTER OF THE POLE. TYPICALLY, FOUNDATIONS SHALL BE AT THE BACK OF SIDEWALK UNLESS OTHERWISE NOTED.
- 2) THE ORIENTATION ANGLE IS MEASURED CLOCKWISE, WITH 0° BEING PERPENDICULAR TO THE REFERENCED ALIGNMENT.
- 3) ALL LUMINAIRES SHALL BE LED. SEE SPECIAL PROVISIONS FOR ADDITIONAL FIXTURE REQUIREMENTS. SPECIFIC FIXTURES ARE LISTED BELOW AND IN THE SPECIAL PROVISIONS:

A) MAX WATTAGE: 130 WATTS
LUMEN OUTPUT: 17,800 LUMENS, 4000 CCT, TYPE 3M DIST.

B) MAX WATTAGE: 85 WATTS
LUMEN OUTPUT: 7,200 LUMENS, 2700 CCT, TYPE 2M DIST.
SHIELD: FRONT SIDE SHIELD

C) MAX WATTAGE: 95 WATTS
LUMEN OUTPUT: 8,400 LUMENS, 2700 CCT, TYPE 2M DIST.

D) MAX WATTAGE: 90 WATTS
LUMEN OUTPUT: 11,700 LUMENS, 4000 CCT, TYPE 2M DIST.
- 4) FOUNDATION PARTIALLY IN SIDEWALK TO STAY WITHIN EXISTING CITY RIGHT-OF-WAY. TOP OF FOUNDATION SHALL BE FLUSH WITH TOP OF SIDEWALK.
- 5) POLE LOCATED BEHIND MOMENT SLAB WITH MINIMUM OFFSET OF 1 FOOT CLEAR FROM BACK OF SLAB TO POLE FOUNDATION. FOUNDATION LOCATED ON SLOPE SHOULD HAVE A DEPTH OF FOUNDATION MEASURED FROM BACK OF EXPOSED SIDE OF FOUNDATION.
- 6) CONSTRUCT POLE FOUNDATION INTEGRAL WITH WALL. TOP OF FOUNDATION ELEVATION AND ELEVATION AT BASE OF WALL SHALL BE AS NOTED ON WALL PROFILES. FOUNDATION DEPTH SHALL BE 72" BELOW FINISHED GRADE AT BACK OF WALL. EXPOSED PORTION OF THE FOUNDATION SHALL BE FORMED 24" X 24" SQUARE TO ALIGN WITH WALL BLOCKS.
- 7) POLE INCLUDES BACK-TO-BACK 4 FT ARMS AT INSTALLED 180 DEGREES.
- 8) POLE SHALL BE INSTALLED WITH OMNI-DIRECTIONAL BREAKAWAY SUPPORT COUPLING SYSTEM.
- 9) TOP OF FOUNDATION ELEVATIONS ARE APPROXIMATE AND BASED ON THE SURFACE CREATED IN CAD SOFTWARE. CONTRACTOR SHALL FIELD VERIFY ALL ELEVATIONS. IN GENERAL, TOP OF FOUNDATIONS SHALL BE 6" ABOVE FINISHED GRADE, PER COL STD DWG IS-06.
- 10) CONTRACTOR SHALL DETERMINE TOP OF FOUNDATION ELEVATION IN THE FIELD.
- 11) ALL STREET LIGHT POLES SHALL BE ALUMINUM.

BREAKER SCHEDULE - SERVICE D						
CIRCUIT	DESCRIPTION / LABEL	BRANCH BREAKER RATING		CONTACTOR RATING	VOLTAGE	LOAD (KVA)
		POLES	AMPS			
-	MAIN	2	100A	N.A.	240	N.A.
A	ILLUM - RBT (WASHINGTON/GRAVELLY)	2	20A	30 AMP	240	9.38
B	ILLUM - RBT (WASHINGTON/INTERLAAKEN)	2	20A	30 AMP	240	5.36
C	SPARE ILLUM - WASHINGTON (WEST)	2	20A	30 AMP	240	-
D	SPARE ILLUM - RBT (WASHINGTON/83RD)	2	20A	30 AMP	240	-
BUSSWORK SHALL BE RATED AT 250 AMP MINIMUM.					PEAK	16.54
					CONTINUOUS	14.74

BREAKER SCHEDULE - SERVICE E						
CIRCUIT	DESCRIPTION / LABEL	BRANCH BREAKER RATING		CONTACTOR RATING	VOLTAGE	LOAD (KVA)
		POLES	AMPS			
-	MAIN	2	100A	N.A.	240	N.A.
A	ILLUM - RBT (GRAVELLY/VETERANS)	2	20A	30 AMP	240	7.84
B	ILLUM - GRAVELLY (NORTH)	2	20A	30 AMP	240	6.86
C	ILLUM - GRAVELLY (SOUTH)	2	20A	30 AMP	240	9.80
BUSSWORK SHALL BE RATED AT 250 AMP MINIMUM.					PEAK	26.30
					CONTINUOUS	24.50

BREAKER SCHEDULE NOTES:

1. ILLUMINATION CIRCUIT LOADS ARE BASED ON THE HIGHEST ALLOWABLE FIXTURE WATTAGE LISTED IN THE SPECIAL PROVISIONS. ULTIMATE LOADS MAY BE LESS THAN THOSE LISTED IN THE SCHEDULE IF A LOWER WATTAGE FIXTURE IS INSTALLED.
2. PHOTOCELL (0.001 KVA) AND GFCI RECEPTACLE (1.8 KVA) BREAKERS ARE NOT SHOWN IN THE BREAKER SCHEDULES. SEE WSDOT STANDARD PLAN J-10.21-01.

REVISIONS	DATE	BY	DESIGNED
			M. KENDALL
			DRAWN K. DUDDLESTEN
			CHECKED C. SCHOTT
			APPROVED A. FISHER

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME PS3047013-EL27
JOB No. 214-3047-013
DATE FEBRUARY 2021

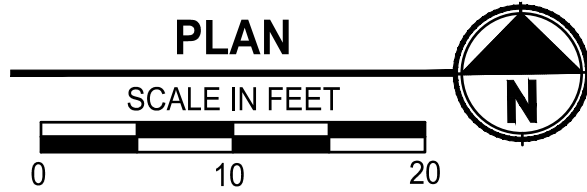
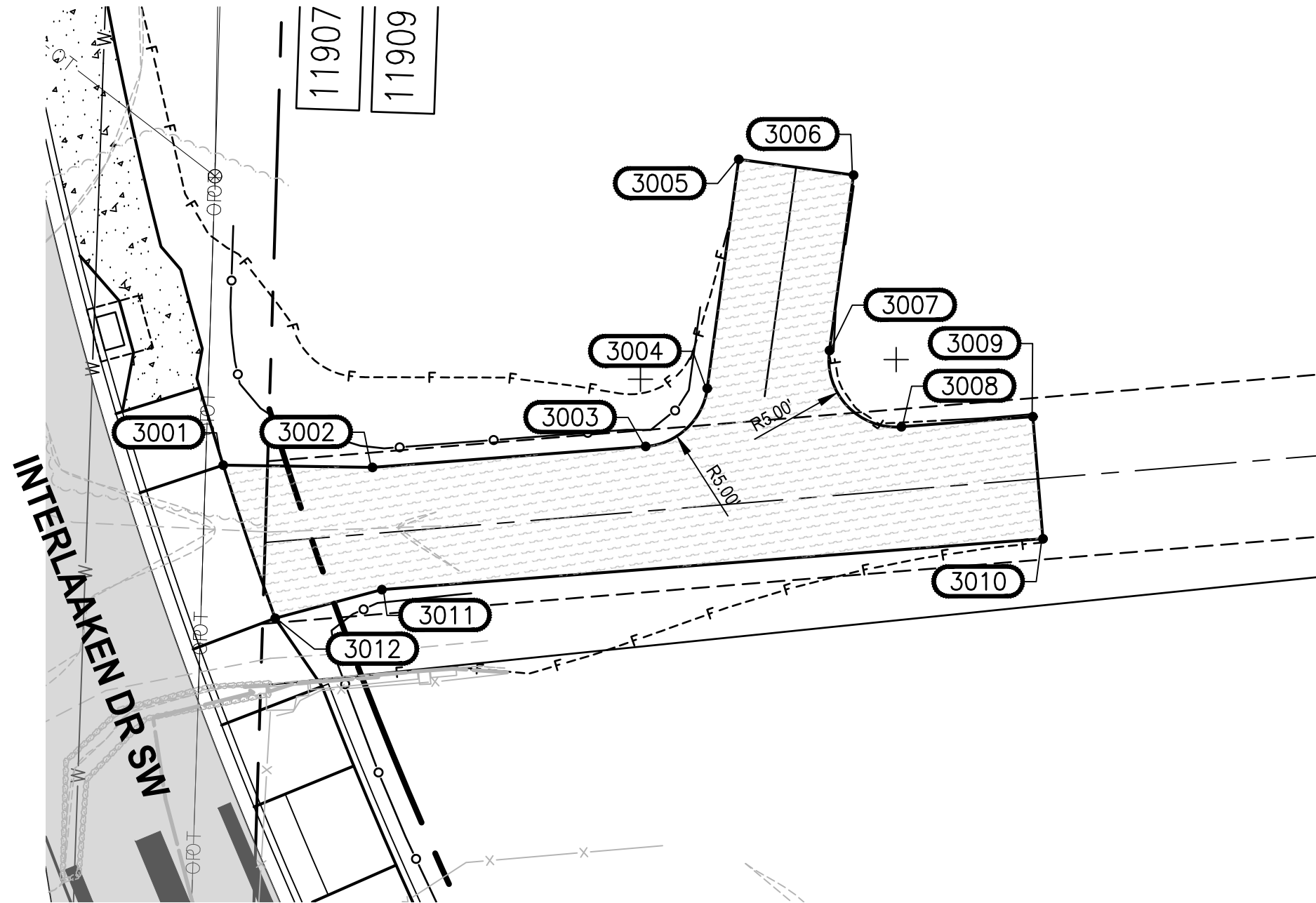


PROJECT NAME
JBLM NORTH ACCESS ROAD IMPROVEMENTS - PHASE 1
LAKEWOOD, WASHINGTON

ELECTRICAL PLAN LUMINAIRE SCHEDULE

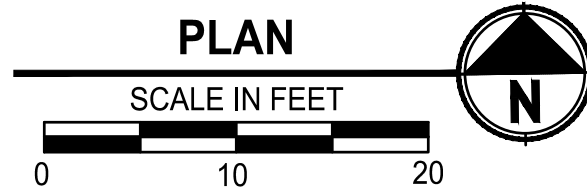
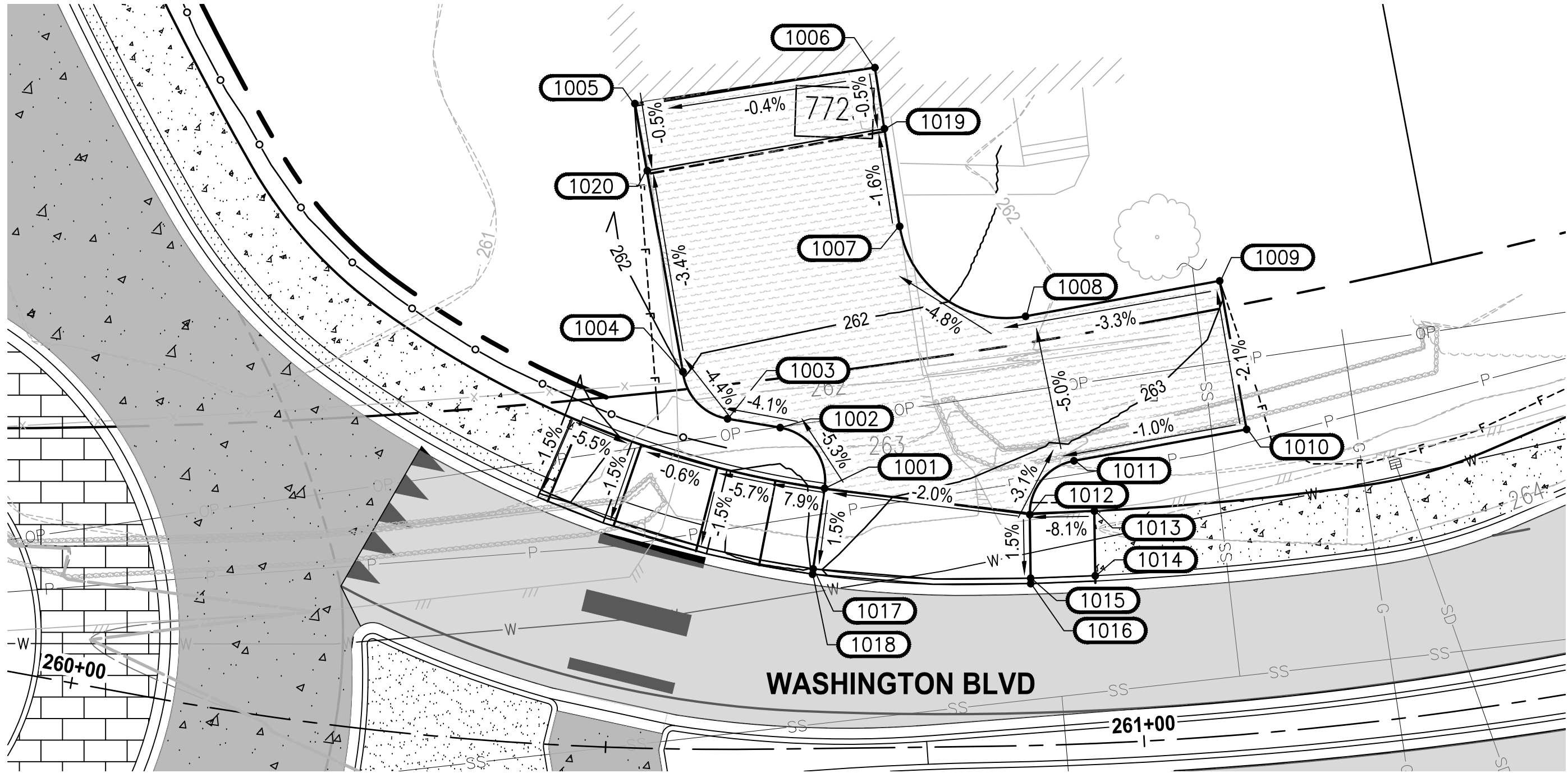
DRAWING NO. 125 OF 153
EL12

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903+39 DRIVEWAY				
POINT #	STATION	OFFSET	DESCRIPTION	
3001	903+48.03	24.45' RT	AP	
3002	903+45.64	35.21' RT	AP	
3003	903+43.17	55.34' RT	PC	
3004	903+45.86	60.73' RT	PT	
3005	903+62.78	66.89' RT	AP	
3006	903+58.76	74.96' RT	AP	
3007	903+46.48	70.20' RT	PC	
3008	903+41.10	74.21' RT	PT	
3009	903+40.11	83.91' RT	AP	
3010	903+33.03	82.93' RT	AP	
3011	903+37.55	34.02' RT	AP	
3012	903+37.03	25.85' RT	AP	

STATION AND OFFSET REFERENCE I-LINE



260+72 DRIVEWAY				
POINT #	STATION	OFFSET	ELEVATION	DESCRIPTION
1001	260+70.63	24.13' LT	263.099'	AP, PC
1002	260+66.57	29.82' LT	262.713'	PT
1003	260+61.31	30.68' LT	262.465'	PC
1004	260+56.62	35.00' LT	262.143'	PT
1005	260+50.56	59.76' LT	0.000'	AP
1006	260+75.79	63.10' LT	261.441'	AP
1007	260+77.90	48.34' LT	261.888'	PC
1008	260+89.98	39.83' LT	262.368'	PT
1009	261+10.56	42.12' LT	262.965'	AP
1010	261+12.02	28.18' LT	263.245'	AP
1011	260+94.47	26.28' LT	263.082'	PC
1012	260+89.90	21.43' LT	263.434'	PT
1013	260+96.30	21.55' LT	263.914'	ES
1014	260+96.11	15.55' LT	263.825'	TC
1015	260+89.83	15.52' LT	263.345'	AP
1016	260+89.82	15.02' LT	263.345'	BC
1017	260+69.48	16.67' LT	262.986'	TC
1018	260+69.40	16.18' LT	262.976'	BC
1019	260+76.60	57.43' LT	261.412'	AP
1020	260+52.23	53.58' LT	261.320'	AP

STATION AND OFFSET REFERENCE W-LINE

* ALL ELEVATION POINTS WITH ZERO ELEVATION WILL NEED TO BE SURVEYED BY CONTRACTOR AND CONSIDERED ONLY FOR THEIR STATION AND OFFSET.

REVISIONS	DATE	BY	DESIGNED
			M. VASSEY
			DRAWN
			M. VASSEY
			CHECKED
			A. CIRILLO
			APPROVED
			A. FISHER

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY	
FILE NAME	PS3047013-DT-DWY2
JOB No.	214-3047-013
DATE	FEBRUARY 2021

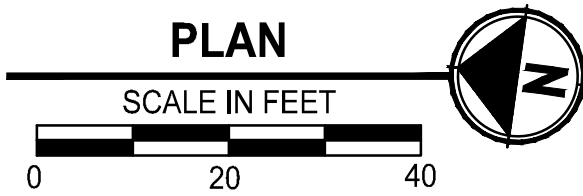
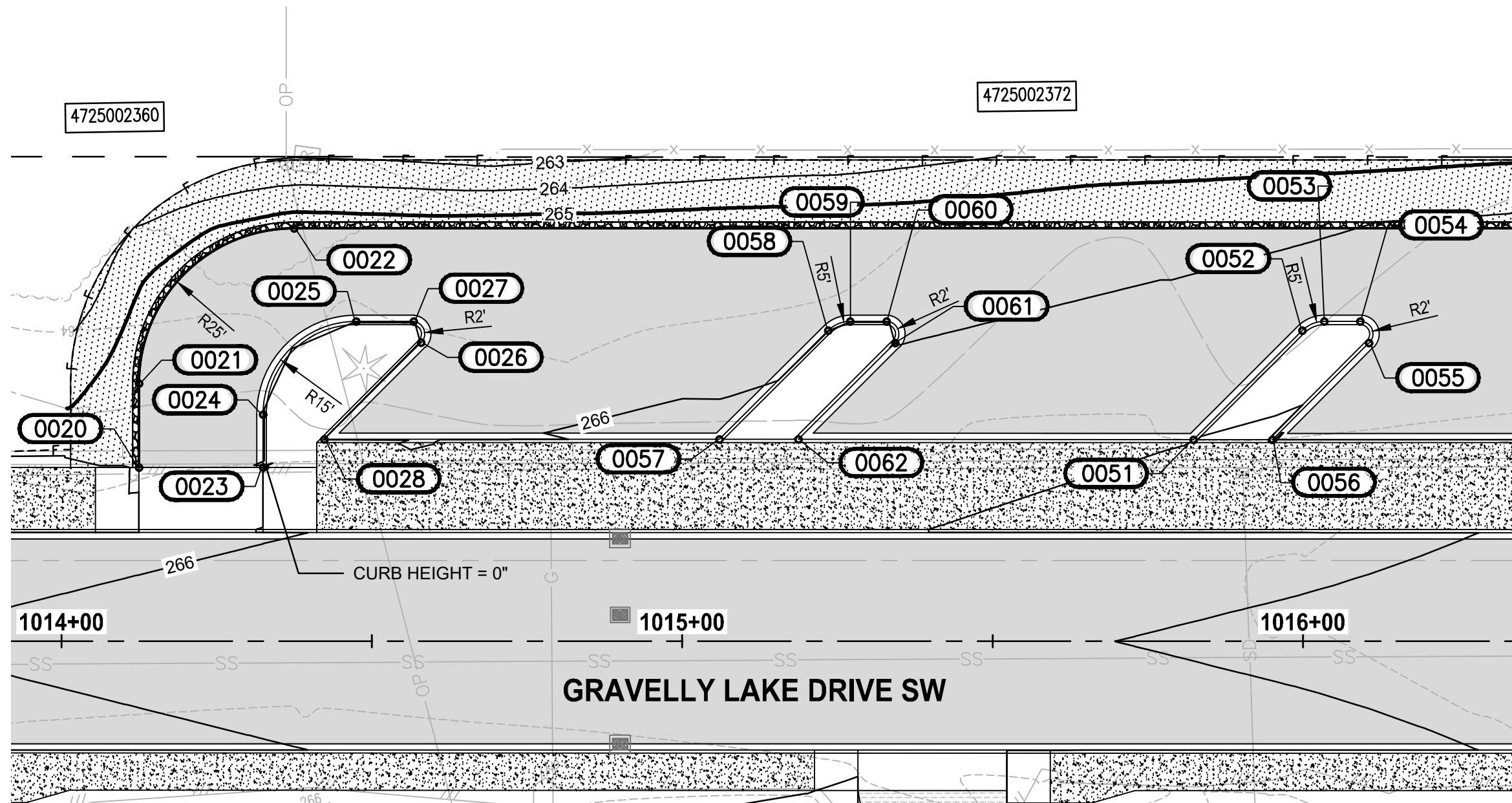


PROJECT NAME
JBLM NORTH ACCESS ROAD IMPROVEMENTS - PHASE 1
LAKEWOOD, WASHINGTON

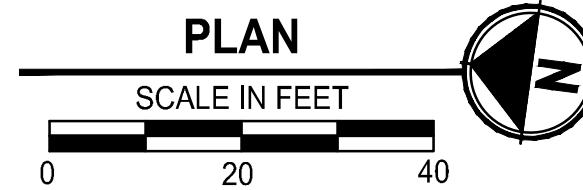
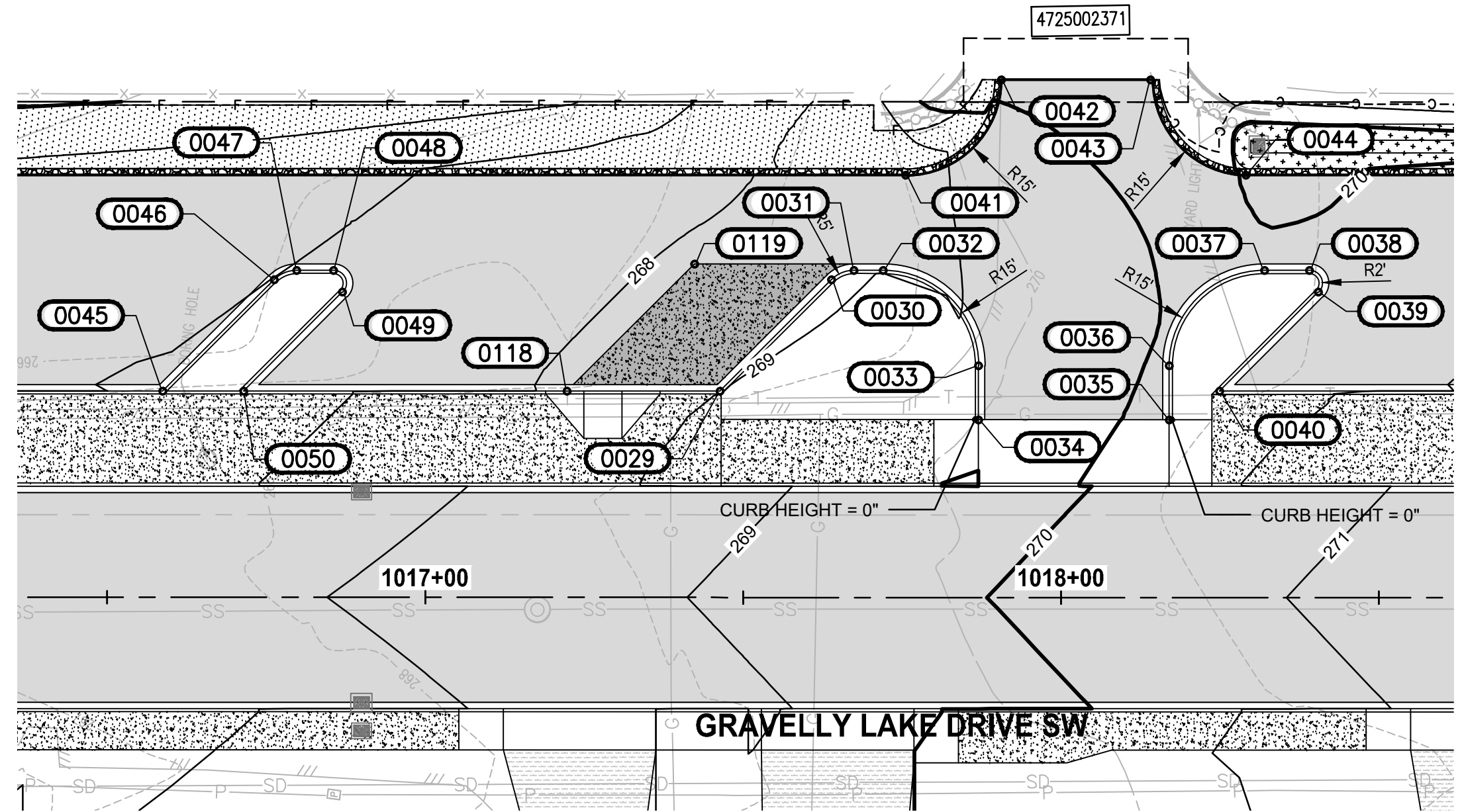
DRIVEWAY DETAIL

DRAWING NO. 126 OF 153
DWY1

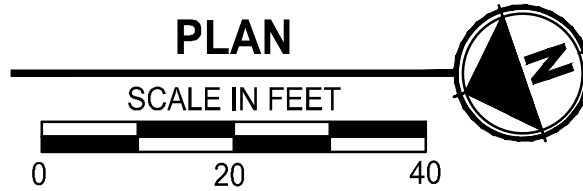
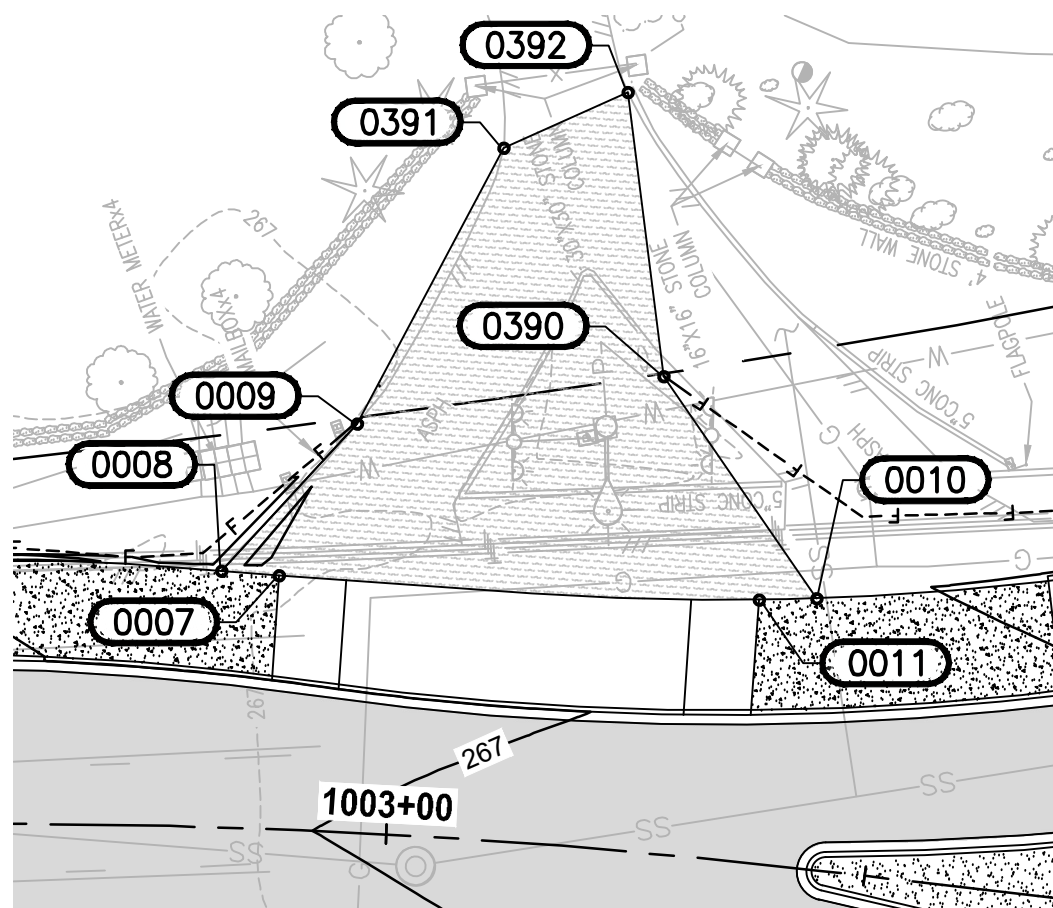
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1014+22.48 DRIVEWAY				
POINT #	STATION	OFFSET	ELEVATION	DESCRIPTION
0020	1014+12.48	28.00' LT	265.76	AP
0021	1014+12.48	41.50' LT	265.69	PC
0022	1014+37.48	66.50' LT	265.40	PT
0023	1014+32.48	28.00' LT	265.86	AP
0024	1014+32.48	36.50' LT	265.85	PC
0025	1014+47.48	51.50' LT	265.83	PT
0026	1014+57.89	48.09' LT	265.83	PC
0027	1014+56.70	51.49' LT	265.82	PT
0028	1014+42.31	32.50' LT	265.94	AP
0051	1015+82.31	32.50' LT	266.50	AP
0052	1015+99.85	50.04' LT	266.28	PC
0053	1016+03.38	51.50' LT	266.27	PT
0054	1016+09.21	51.50' LT	266.31	PC
0055	1016+10.63	48.09' LT	266.38	PT
0056	1015+95.04	32.50' LT	266.57	AP
0057	1015+05.95	32.50' LT	266.12	AP
0058	1015+23.48	50.04' LT	265.90	PC
0059	1015+27.02	51.50' LT	265.88	PT
0060	1015+32.91	51.50' LT	265.91	PC
0061	1015+34.26	48.09' LT	265.99	PT
0062	1015+18.67	32.50' LT	266.19	AP



1018+02.02 DRIVEWAY				
POINT #	STATION	OFFSET	ELEVATION	DESCRIPTION
0029	1017+46.36	32.50' LT	268.51	AP
0030	1017+63.90	50.04' LT	268.41	PC
0031	1017+67.43	51.50' LT	268.39	PT
0032	1017+72.02	51.50' LT	268.53	PC
0033	1017+87.02	36.50' LT	269.25	PT
0034	1017+87.02	28.00' LT	269.51	AP
0035	1018+17.02	28.00' LT	270.15	AP
0036	1018+17.02	36.50' LT	270.13	PC
0037	1018+32.02	51.50' LT	270.06	PT
0038	1018+39.08	51.49' LT	270.04	PC
0039	1018+40.49	48.08' LT	270.06	PT
0040	1018+24.92	32.50' LT	270.17	AP
0041	1017+75.57	66.50' LT	268.41	PC
0042	1017+90.57	81.50' LT	270.27	AP
0043	1018+14.09	81.50' LT	270.85	AP
0044	1018+29.09	66.50' LT	269.95	PT
0045	1016+58.68	32.50' LT	267.10	AP
0046	1016+76.22	50.04' LT	267.01	PC
0047	1016+79.75	51.50' LT	267.03	PT
0048	1016+85.58	51.50' LT	267.11	PC
0049	1016+86.99	48.09' LT	267.20	PT
0050	1016+71.41	32.50' LT	267.26	AP
0118	1017+22.32	32.50' LT	268.17	AP
0119	1017+42.32	52.50' LT	268.17	AP

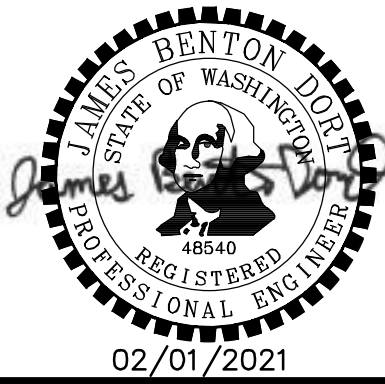


1003+12.00 DRIVEWAY				
POINT #	STATION	OFFSET	ELEVATION	DESCRIPTION
0007	1002+87.85	26.40' LT	267.34	AP
0008	1002+82.06	26.64' LT	267.24	AP
0009	1002+94.96	42.52' LT	267.11	AP
0010	1003+41.86	28.14' LT	267.88	AP
0011	1003+36.12	27.37' LT	267.83	AP
0390	1003+24.65	49.57' LT	267.21	AP
0391	1003+07.64	72.01' LT	267.36	AP
0392	1003+19.00	78.73' LT	267.27	AP

GENERAL NOTE
ALL ELEVATIONS ON CURB ARE AT BOTTOM
FACE OF CURB. CURB HEIGHTS ARE ALL 6" UNO.

REVISIONS	DATE	BY	DESIGNED B. HARRINGTON
			DRAWN R. BEALS
			CHECKED B. DORT
			APPROVED A. FISHER

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY.
FILE NAME PS3047013-DWY7-8
JOB No. 214-3047-013
DATE FEBRUARY 2021

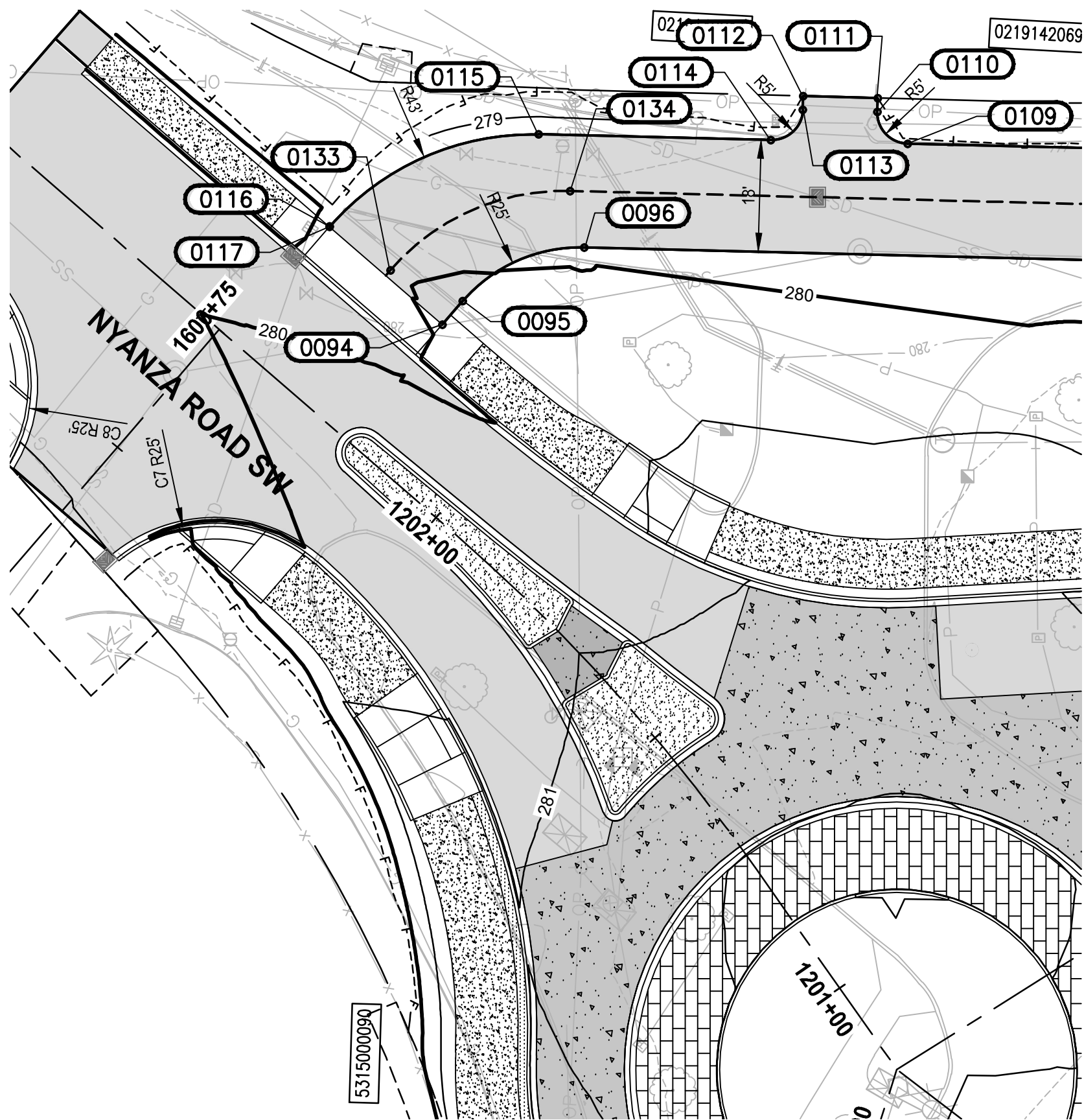


PROJECT NAME
JBLM NORTH ACCESS ROAD IMPROVEMENTS - PHASE 1
LAKEWOOD, WASHINGTON

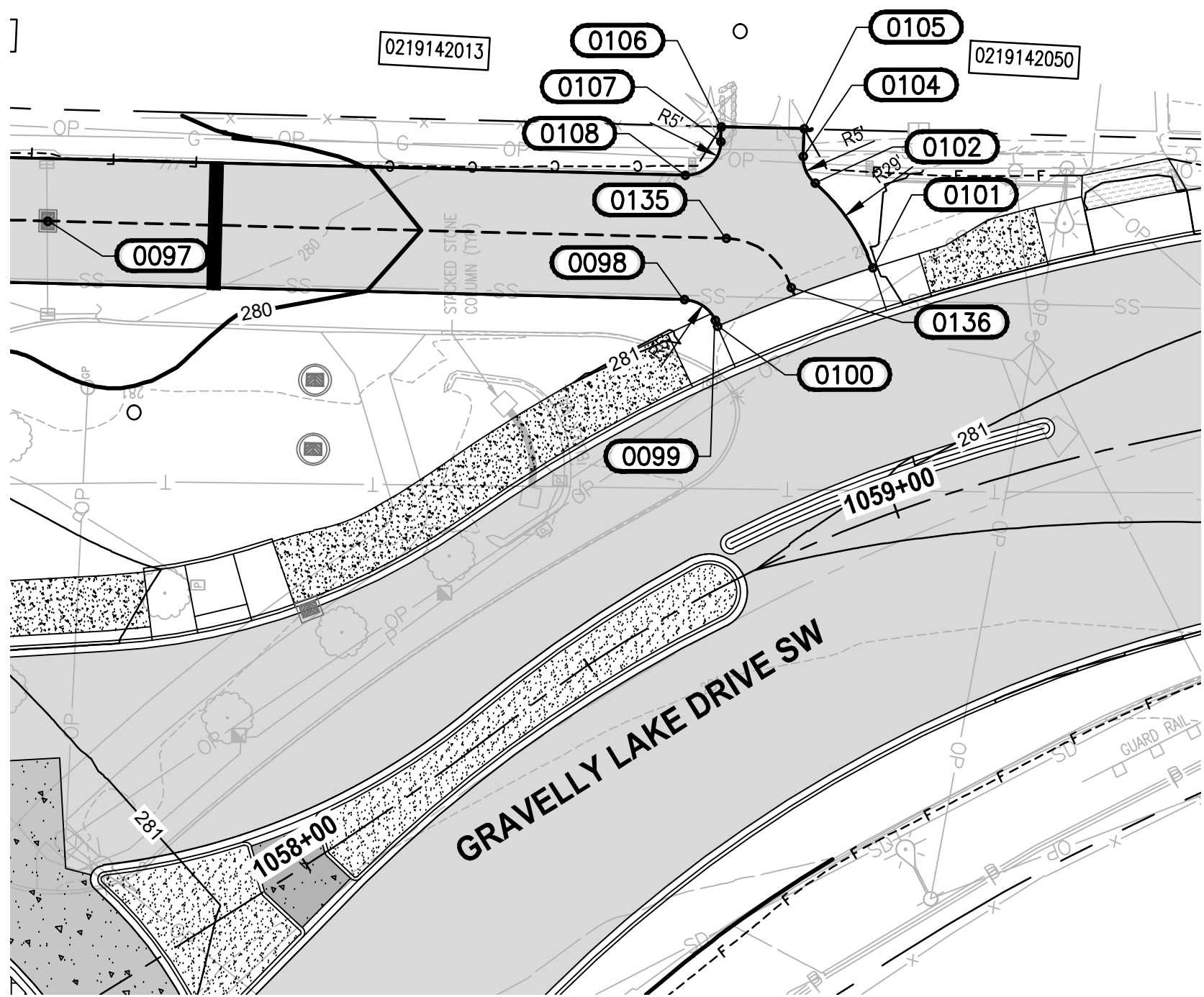
GRADING DETAILS

DRAWING NO. 127 OF 153
DWY2

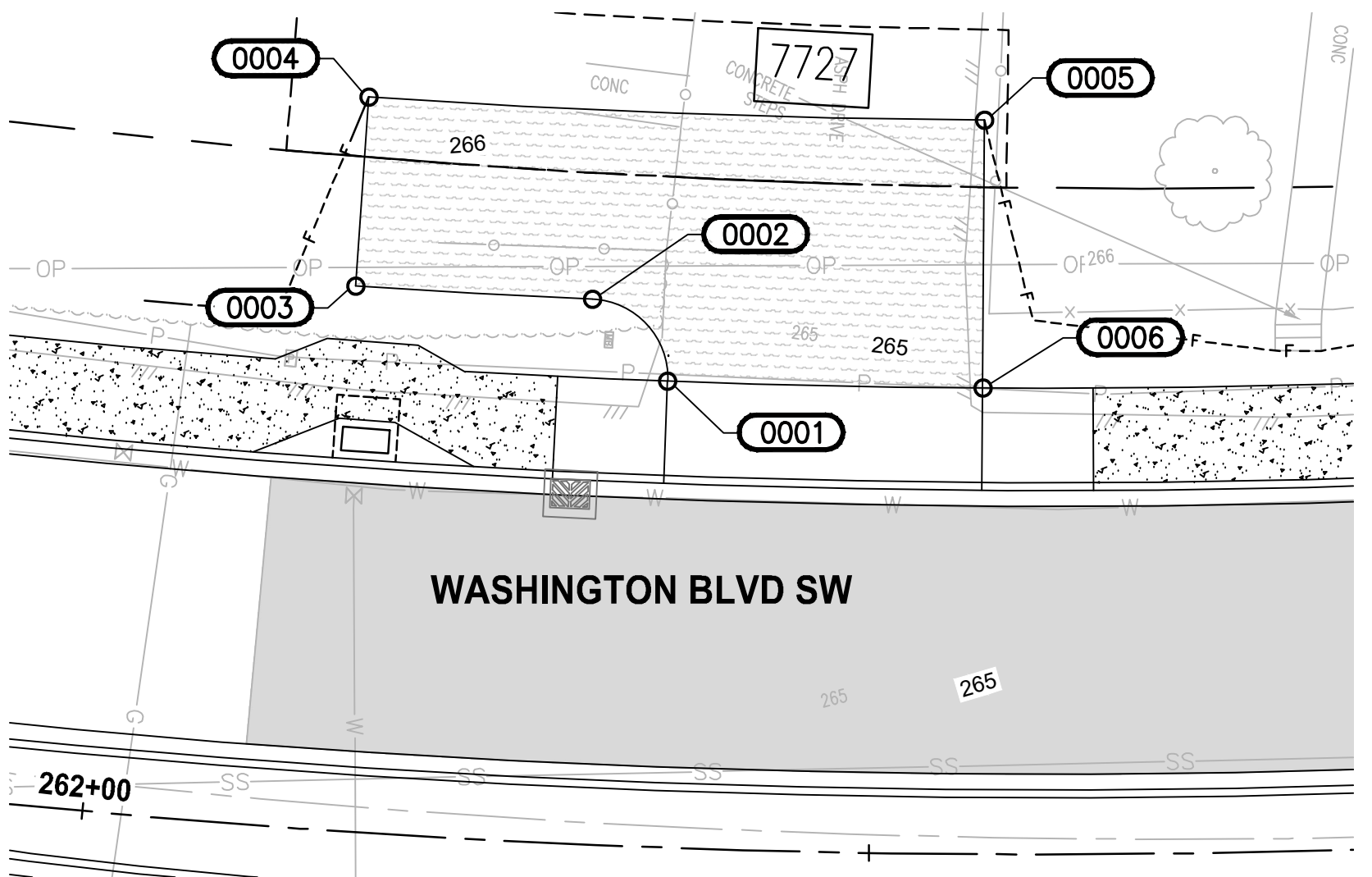
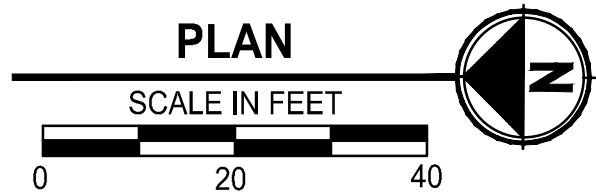
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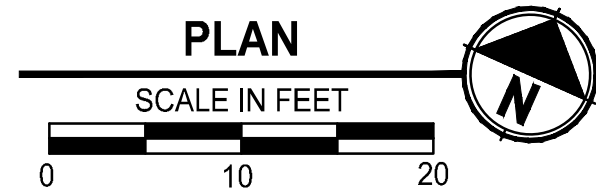
1202+31.55 DRIVEWAY				
POINT #	STATION	OFFSET	ELEVATION	DESCRIPTION
0094	1057+15.98	140.27' LT	280.03	AP
0095	1057+20.74	141.71' LT	280.05	PC
0096	1057+41.86	138.61' LT	279.88	PT
0109	1057+94.78	125.03' LT	279.62	PC
0110	1057+93.39	131.96' LT	279.49	PT
0111	1057+94.61	133.79' LT	279.45	AP
0112	1057+84.62	140.44' LT	279.37	AP
0113	1057+83.39	138.61' LT	279.45	PC
0114	1057+76.46	137.21' LT	279.73	PT
0115	1057+45.36	157.90' LT	279.92	PC
0116	1057+14.12	163.32' LT	279.92	PT
0117	1057+14.12	163.30' LT	279.92	AP
0133	1057+14.12	152.07' LT	279.97	PC
0134	1057+44.79	147.47' LT	279.80	PT



1058+94.47 DRIVEWAY				
POINT #	STATION	OFFSET	ELEVATION	DESCRIPTION
0097	1058+24.92	98.06' LT	279.36	AP
0098	1058+84.33	39.87' LT	280.54	PC
0099	1058+86.77	35.32' LT	280.62	PT
0100	1058+86.77	34.39' LT	280.60	AP
0101	1059+07.53	34.50' LT	280.79	AP/PC
0102	1059+03.87	48.74' LT	280.27	PRC
0104	1059+03.56	52.98' LT	280.12	PT
0105	1059+04.64	56.73' LT	279.98	AP
0106	1058+95.92	60.99' LT	280.77	AP
0107	1058+95.29	59.01' LT	280.72	PC
0108	1058+90.17	56.37' LT	280.54	PT
0135	1058+91.82	45.66' LT	280.52	PC
0136	1058+96.99	35.63' LT	280.67	PT

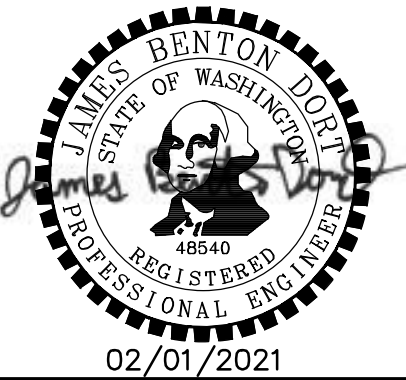


262+46.58 DRIVEWAY				
POINT #	STATION	OFFSET	ELEVATION	DESCRIPTION
0001	1005+64.10	374.18' RT	264.76	PC
0002	1005+62.08	380.03' RT	265.11	PT
0003	1005+63.44	394.83' RT	265.77	AP
0004	1005+57.50	396.90' RT	266.31	AP
0005	1005+53.16	358.72' RT	265.91	AP
0006	1005+61.88	354.63' RT	264.88	AP



REVISIONS	DATE	BY	DESIGNED
			B. HARRINGTON
			DRAWN
			R. BEALS
			CHECKED
			B. DORT
			APPROVED
			A. FISHER

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY	
FILE NAME	PS3047013-DWY7-8
JOB No.	214-3047-013
DATE	FEBRUARY 2021

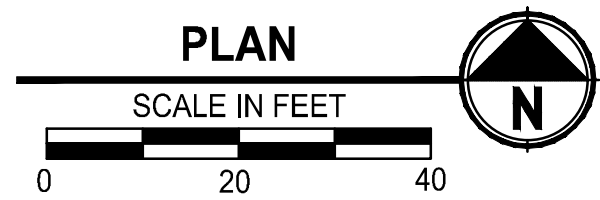
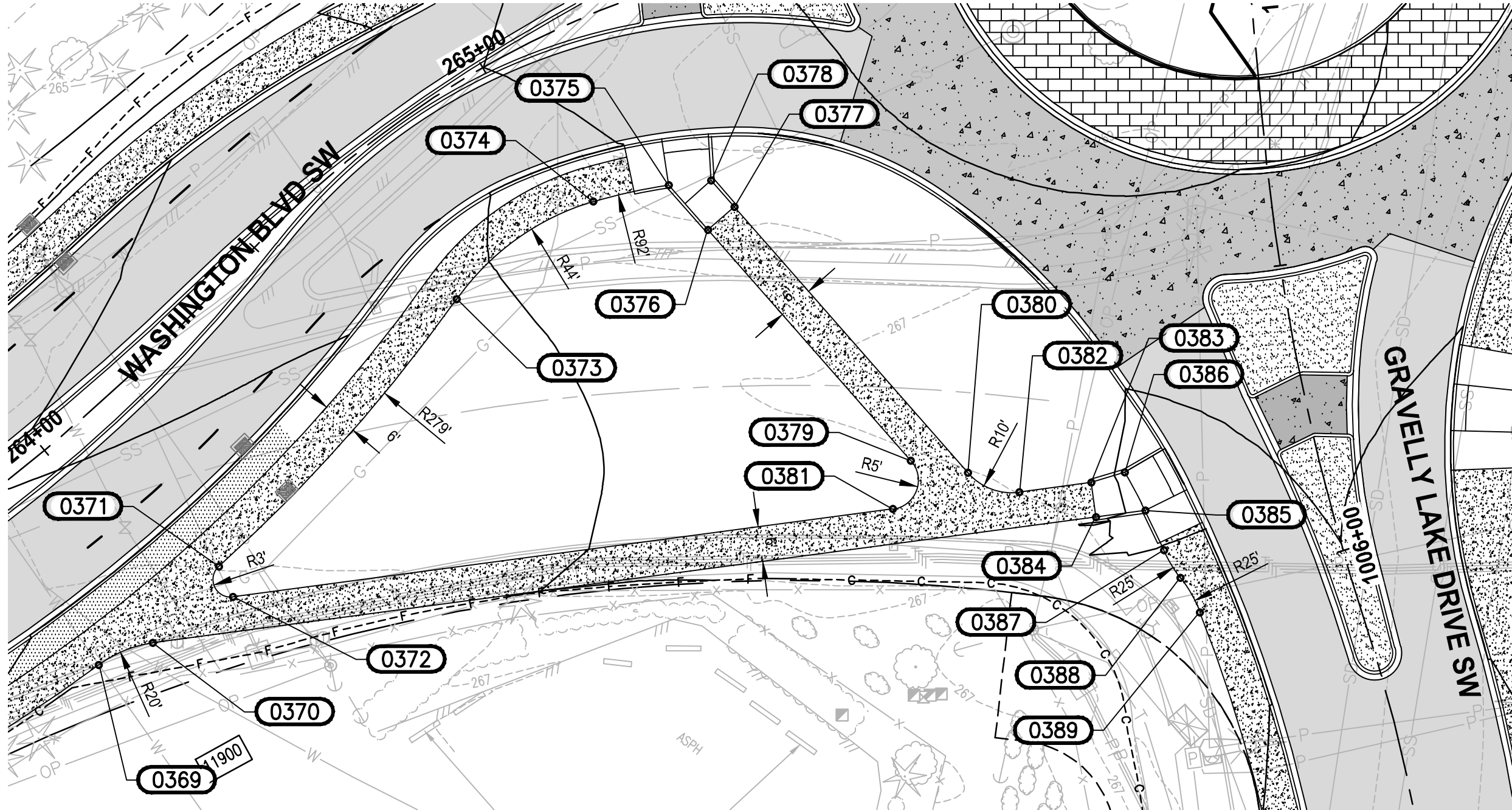


PROJECT NAME	
JBLM NORTH ACCESS ROAD IMPROVEMENTS - PHASE 1	
LAKEWOOD, WASHINGTON	

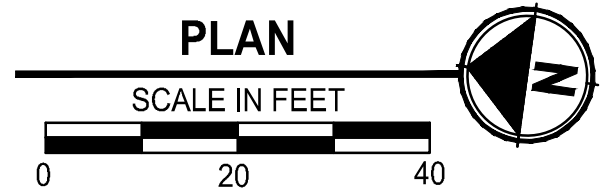
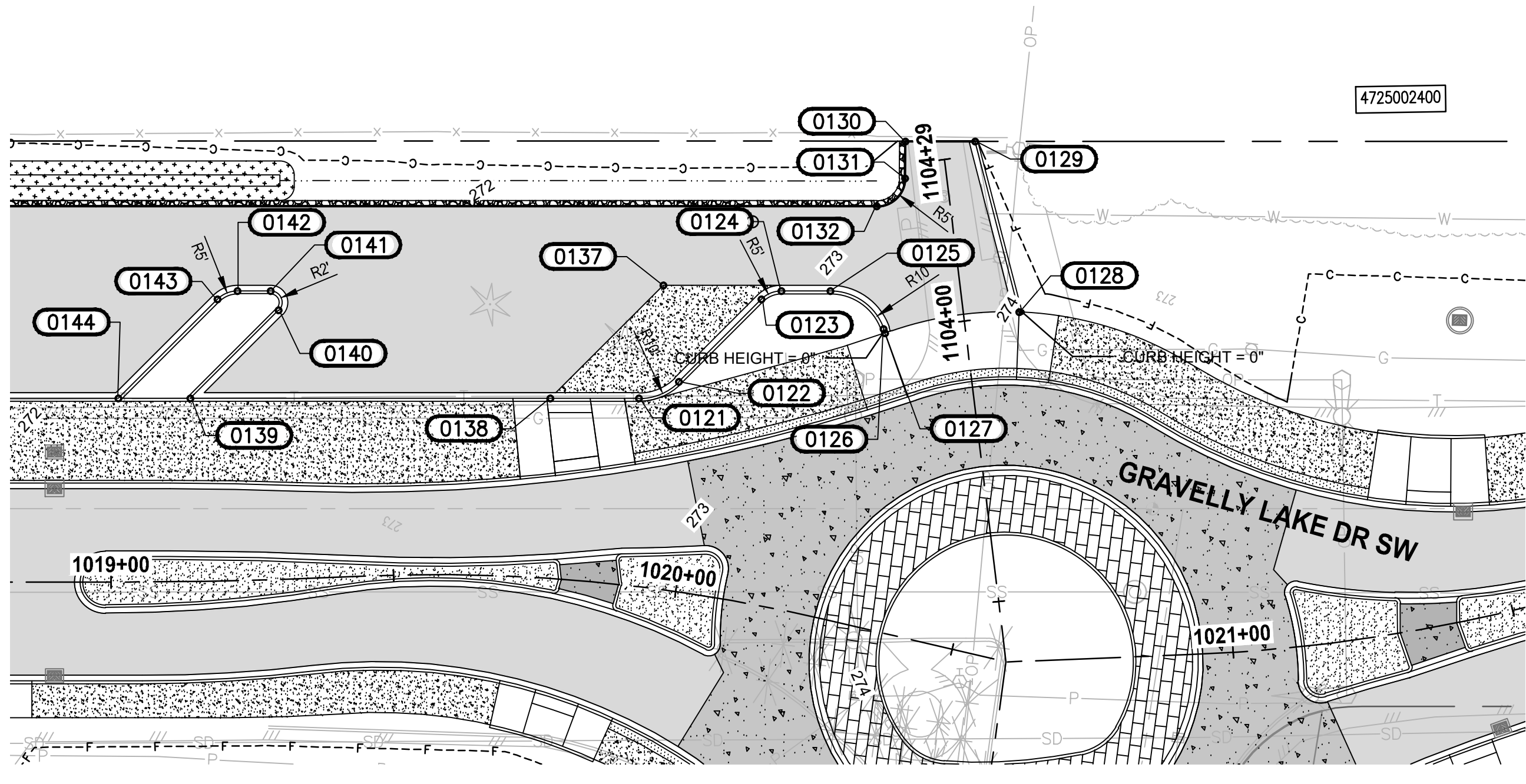
DRAWING NO.	
128 OF 153	
DWY3	

DRAWING NO.	
128 OF 153	
DWY3	

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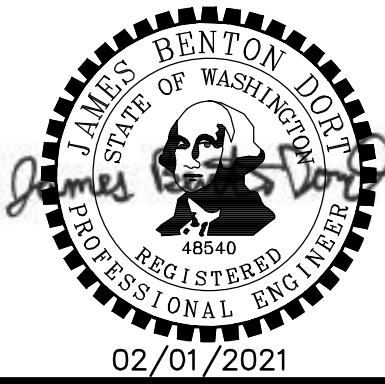
SIDEWALK LAYOUT				
POINT #	STATION	OFFSET	ELEVATION	DESCRIPTION
0369	1005+73.77	211.58' RT	266.20	PRC
0370	1005+72.63	201.73' RT	266.29	PT
0371	1005+65.55	188.01' RT	266.36	PRC
0372	1005+69.34	186.68' RT	266.40	PT
0373	1005+38.10	140.50' RT	266.85	PRC
0374	1005+27.49	115.44' RT	267.46	PCC
0375	1005+26.25	102.29' RT	267.26	AP
0376	1005+32.94	96.35' RT	267.60	AP
0377	1005+30.15	91.44' RT	267.54	AP
0378	1005+26.19	94.93' RT	267.36	AP
0379	1005+69.84	68.28' RT	267.56	PC
0380	1005+73.32	59.12' RT	267.39	PC
0381	1005+76.15	73.04' RT	267.51	PT
0382	1005+77.85	51.22' RT	267.29	PT
0383	1005+78.89	38.86' RT	267.17	AP
0384	1005+84.33	39.46' RT	267.26	AP
0385	1005+85.18	30.99' RT	266.83	AP
0386	1005+78.53	32.87' RT	266.92	AP
0387	1005+92.02	29.57' RT	267.27	PC
0388	1005+96.99	28.08' RT	267.23	PRC
0389	1006+03.17	26.52' RT	267.19	PCC



1020+40.39 DRIVEWAY				
POINT #	STATION	OFFSET	ELEVATION	DESCRIPTION
0121	1019+89.85	33.10' LT	272.59	PC
0122	1019+95.83	36.84' LT	272.63	PT
0123	1020+06.56	53.40' LT	272.71	PC
0124	1020+09.30	55.44' LT	272.71	PT
0125	1020+16.45	57.02' LT	273.23	PC
0126	1020+25.44	52.45' LT	273.38	PT
0127	1020+25.80	51.77' LT	273.39	AP
0128	1020+47.85	60.84' LT	274.07	AP
0129	1020+33.33	88.45' LT	273.13	AP
0130	1020+22.58	85.68' LT	273.14	AP
0131	1020+23.64	79.27' LT	273.06	PC
0132	1020+20.59	73.37' LT	272.96	PT
0137	1019+91.70	53.46' LT	272.51	AP
0138	1019+75.77	31.79' LT	272.43	AP
0139	1019+14.45	32.43' LT	271.84	AP
0140	1019+31.21	47.64' LT	271.70	PC
0141	1019+29.83	51.10' LT	271.63	PT
0142	1019+23.62	51.26' LT	271.57	PC
0143	1019+19.82	49.88' LT	271.57	PT
0144	1019+01.28	32.50' LT	271.69	AP

REVISIONS	DATE	BY	DESIGNED
			B. HARRINGTON
			R. BEALS
			CHECKED
			B. DORT
			APPROVED
			A. FISHER

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME PS3047013-DWY7-8
JOB No. 214-3047-013
DATE FEBRUARY 2021

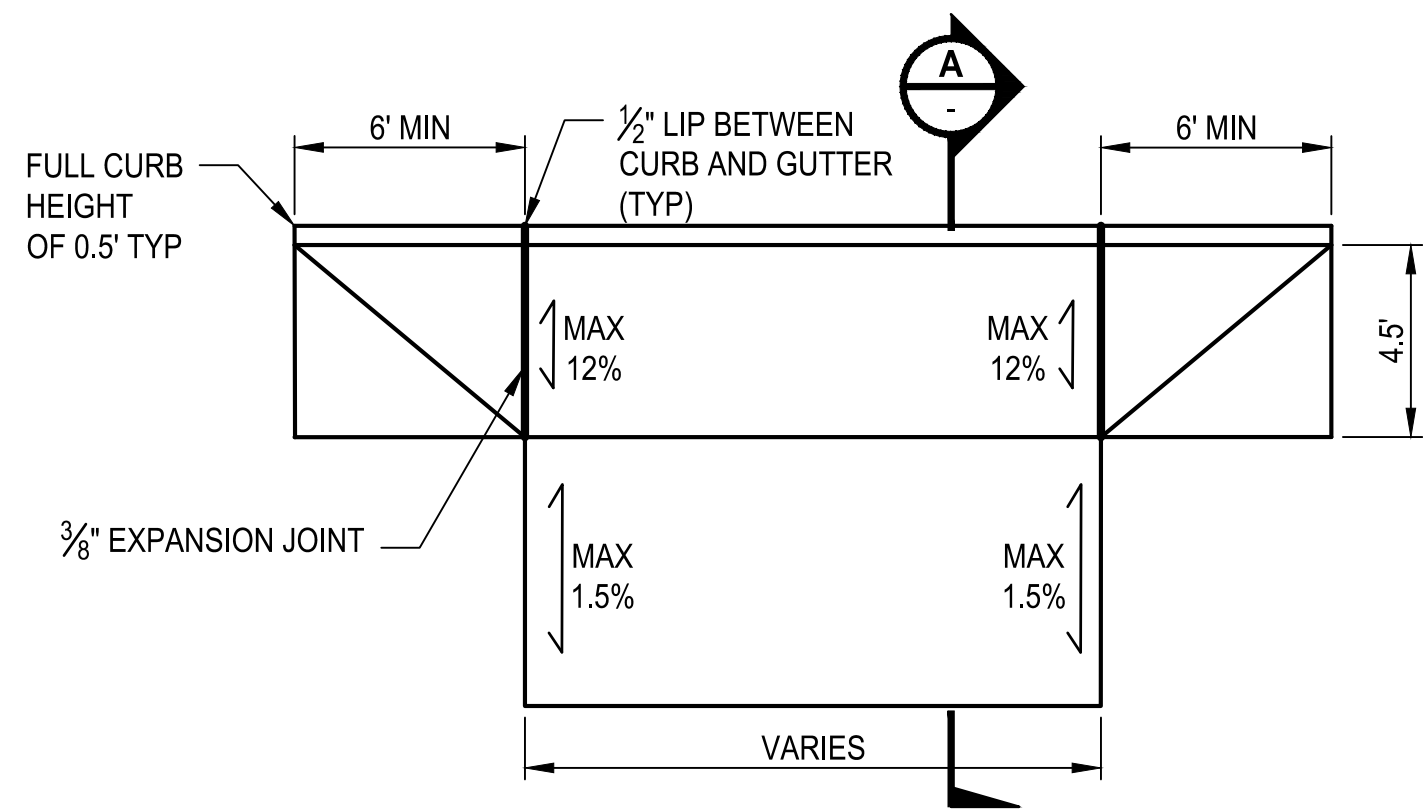


PROJECT NAME
JBLM NORTH ACCESS ROAD IMPROVEMENTS - PHASE 1
LAKEWOOD, WASHINGTON

GRADING DETAILS

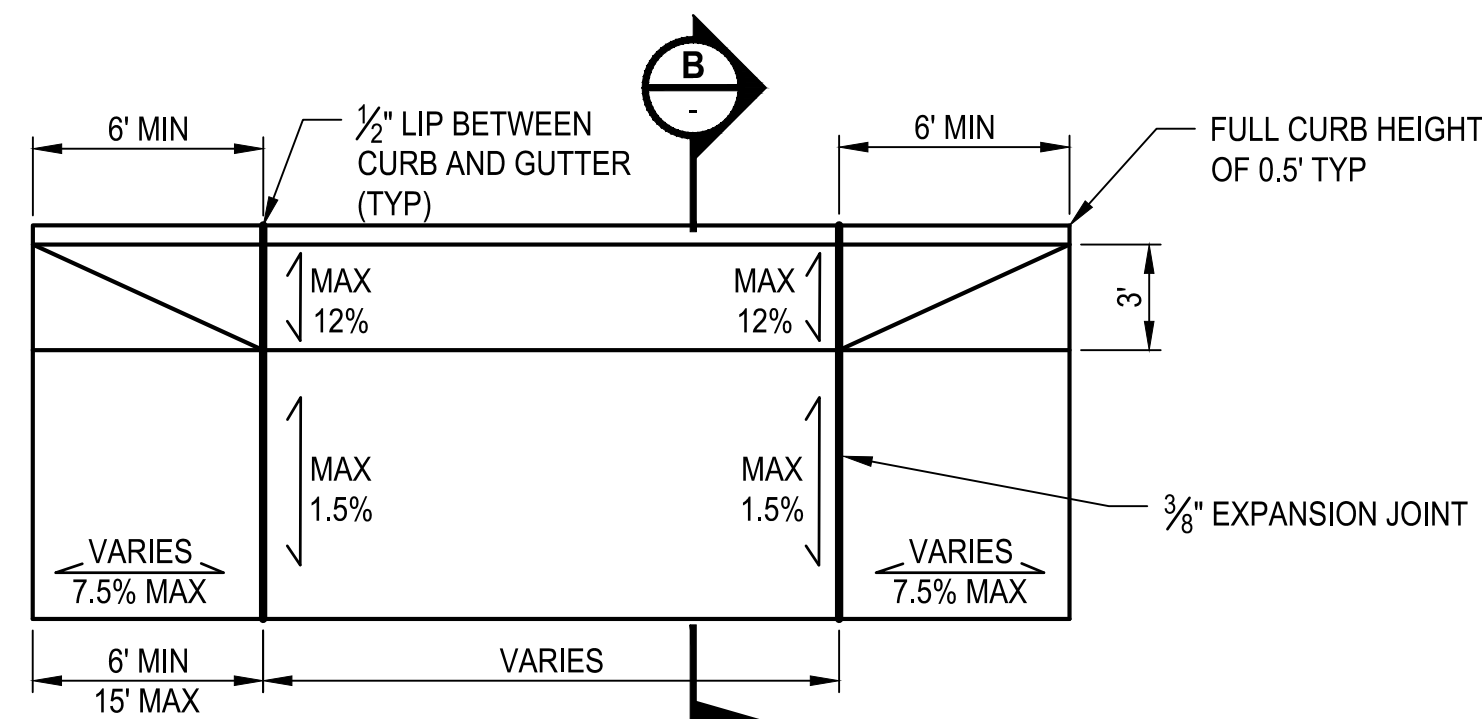
DRAWING NO. 129 OF 153
DWY4

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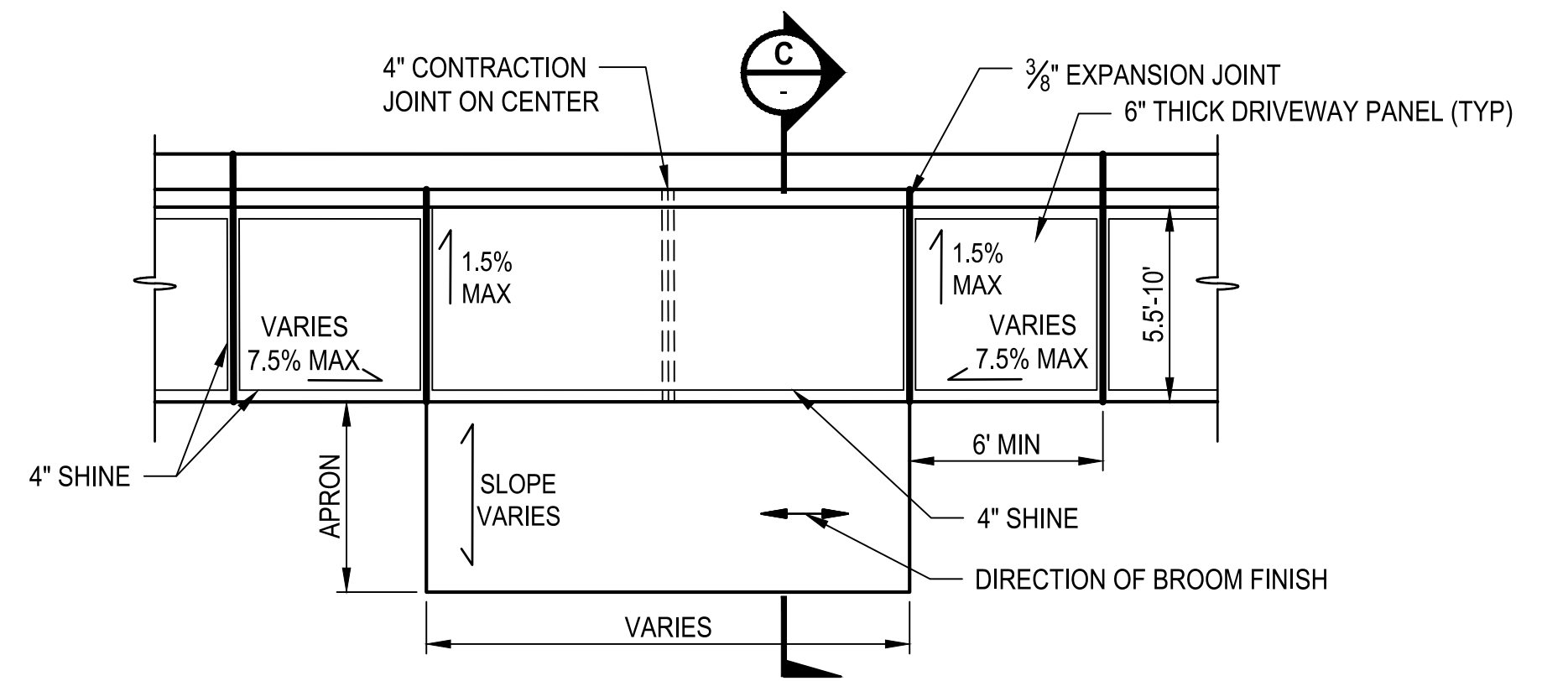
DRIVEWAY TYPE 3A
DETAIL

NO SCALE TYP



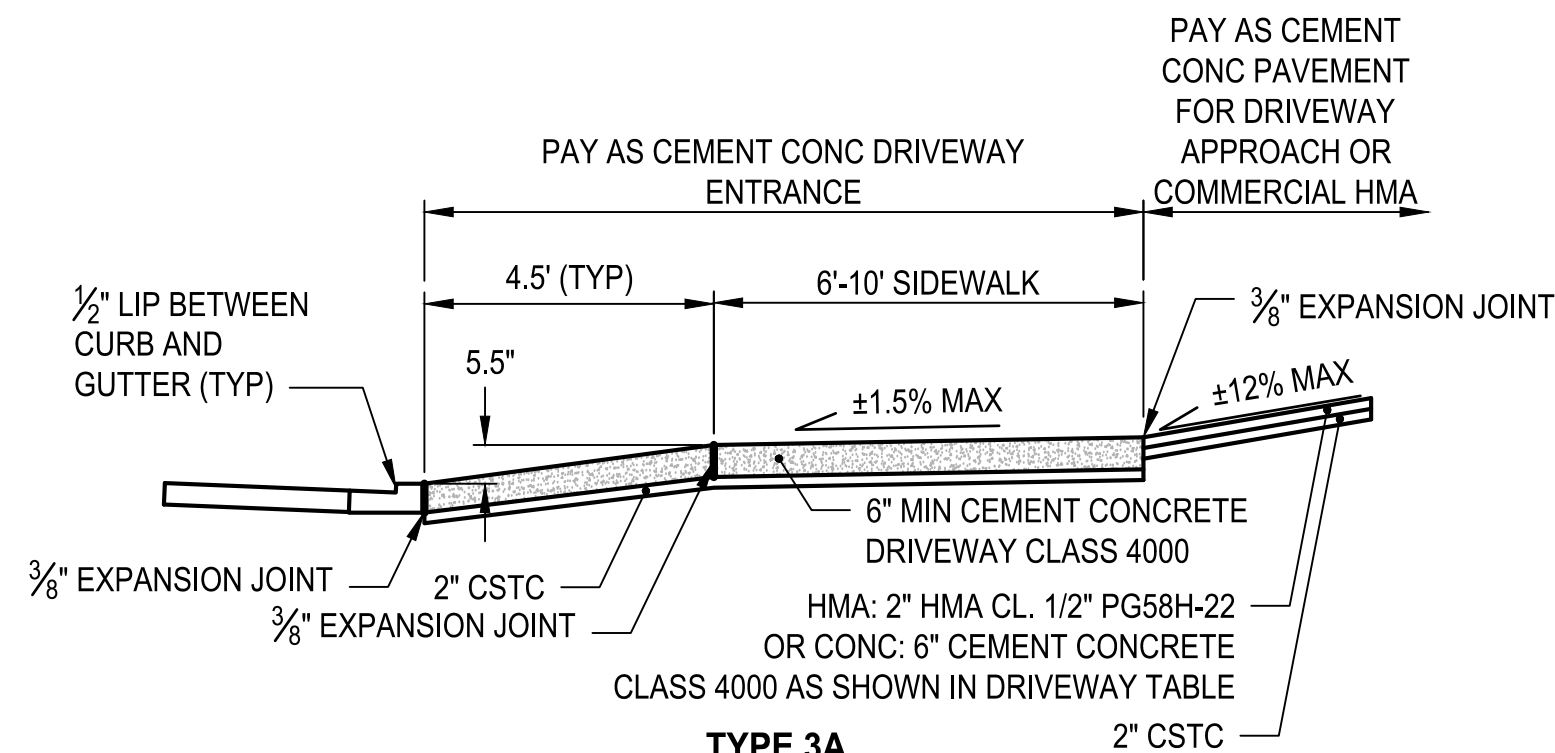
DRIVEWAY TYPE 3B
DETAIL

NO SCALE TYP



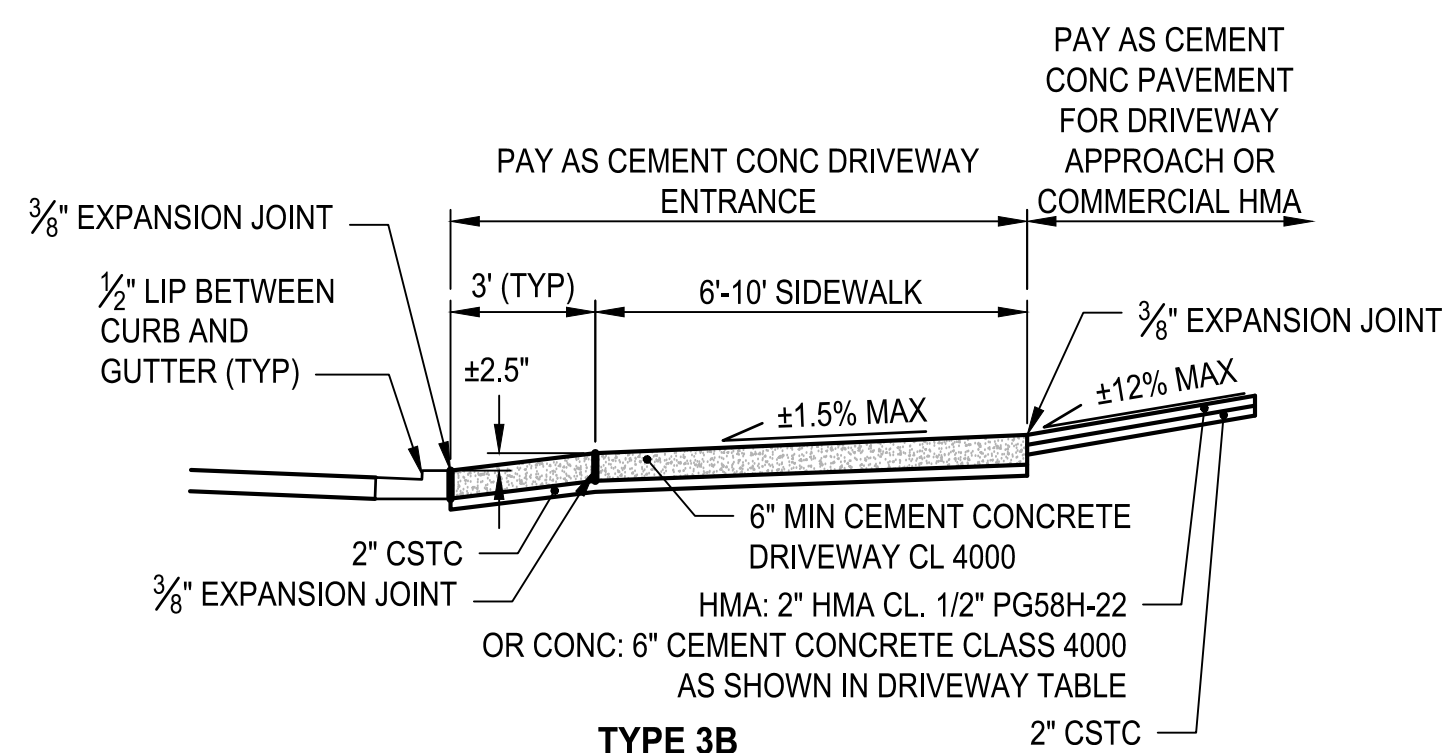
DRIVEWAY TYPE 1
DETAIL

NO SCALE TYP



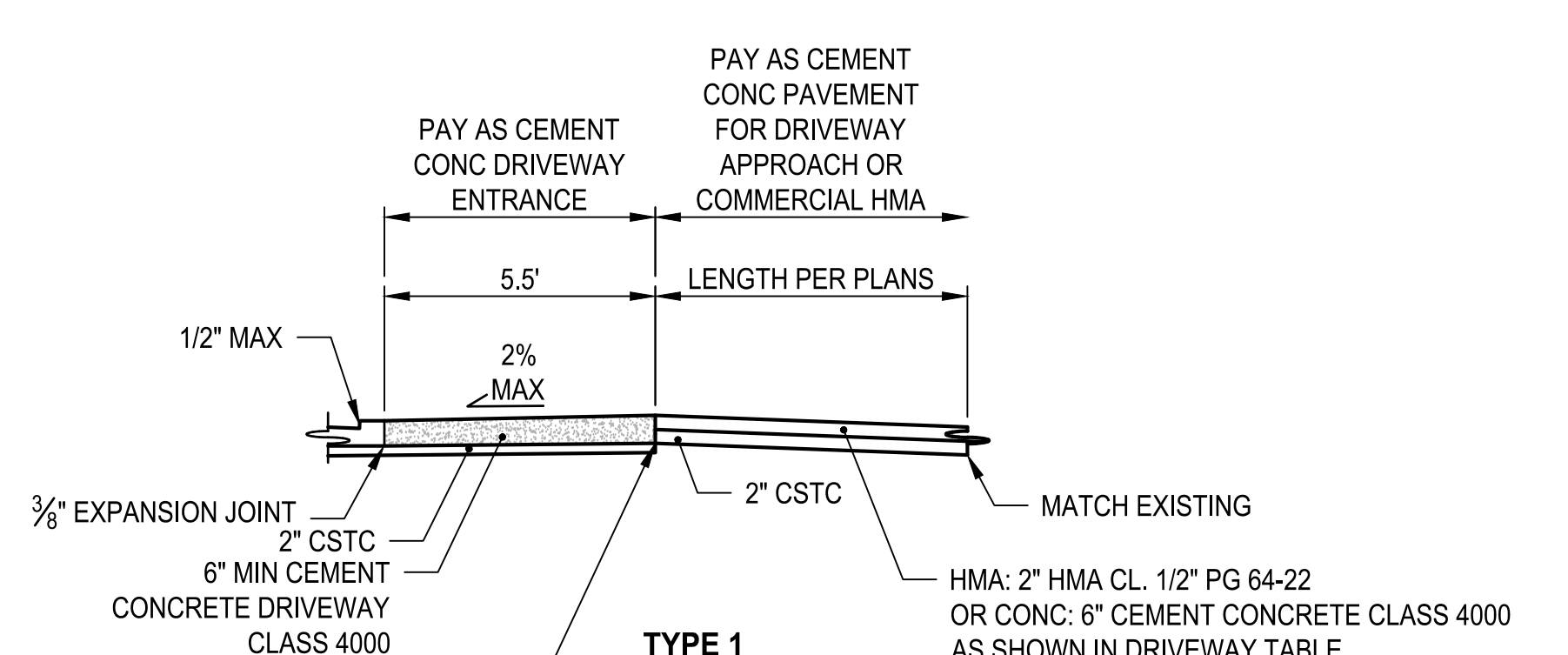
TYPE 3A
SECTION

NO SCALE



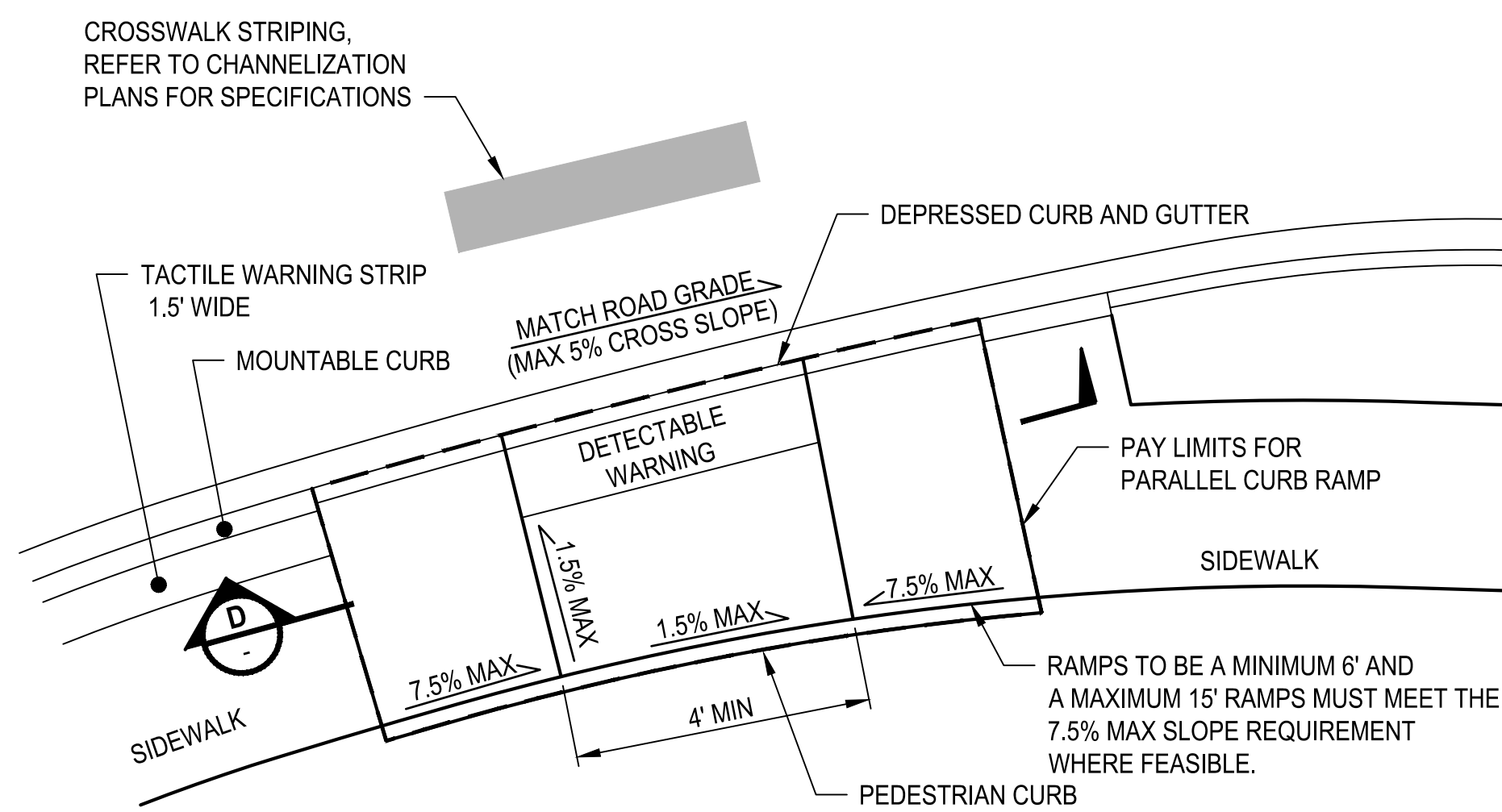
TYPE 3B
SECTION

NO SCALE



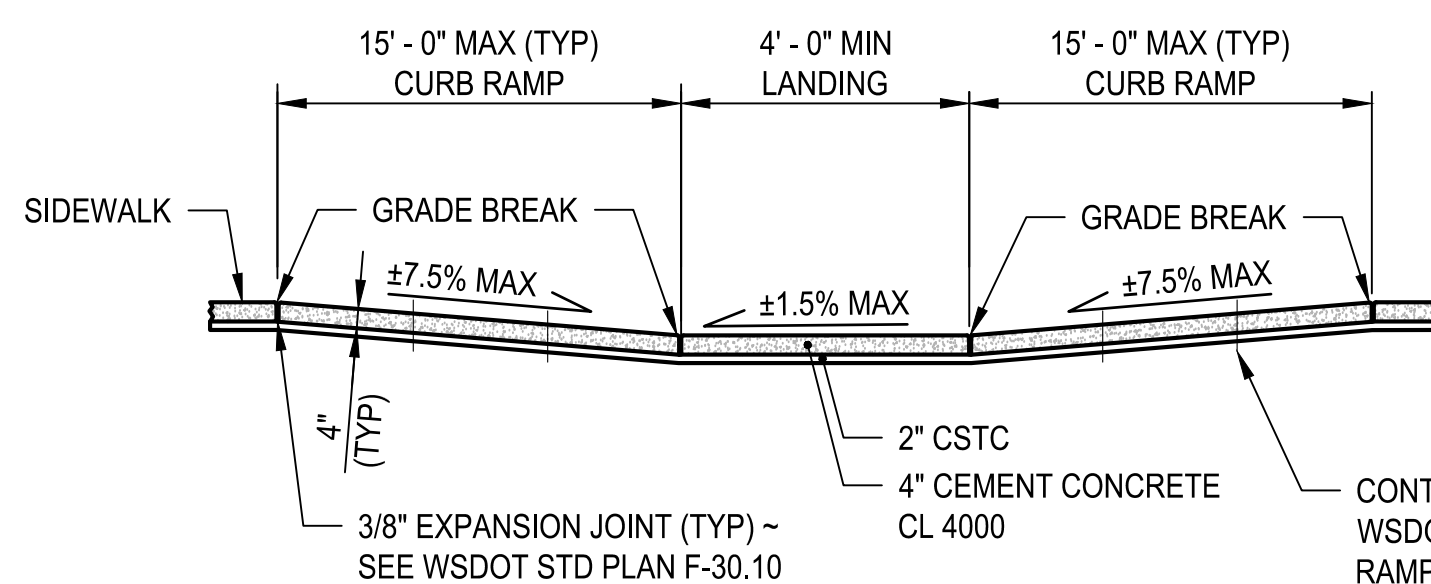
TYPE 1
SECTION

NO SCALE



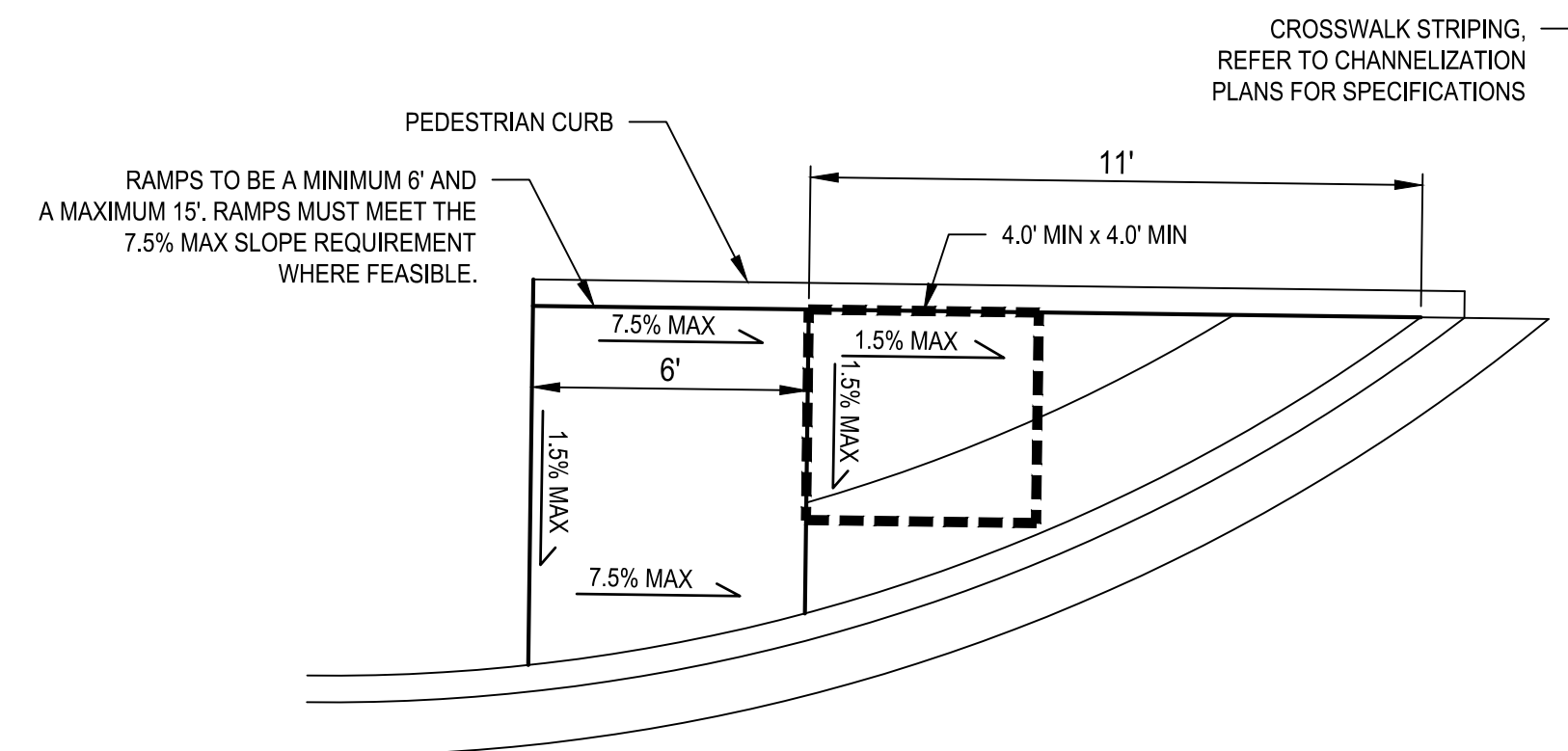
PARALLEL CURB RAMP
DETAIL

NO SCALE TYP



SECTION

NO SCALE



SINGLE DIRECTION CURB RAMP
DETAIL

NO SCALE TYP

REVISIONS	DATE	BY	DESIGNED
			M. VASSEY
			DRAWN
			M. VASSEY
			CHECKED
			D. PROCTOR
			APPROVED
			A. FISHER

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME PS3047013-DT01-04
JOB No. 214-3047-013
DATE FEBRUARY 2021

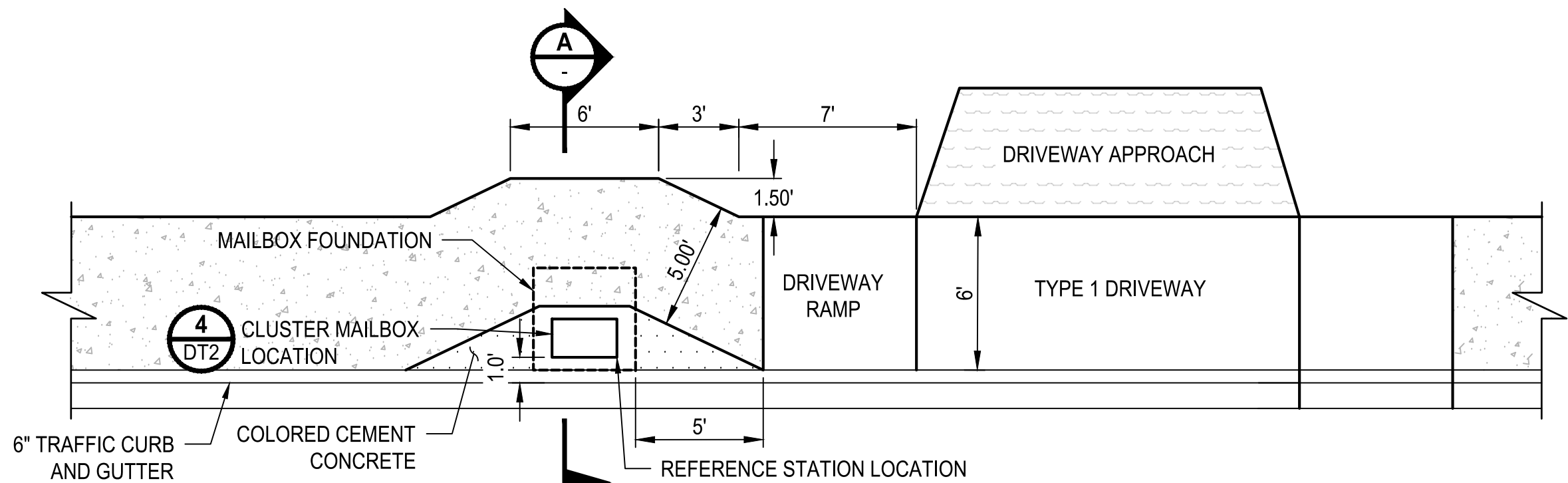


PROJECT NAME
JBLM NORTH ACCESS ROAD IMPROVEMENTS - PHASE 1
LAKEWOOD, WASHINGTON

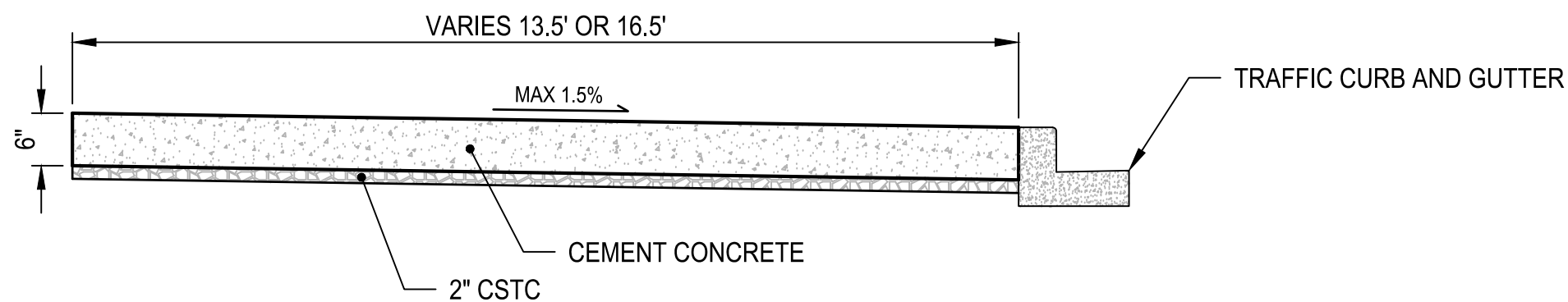
ROADWAY DETAILS

DRAWING NO. 130 OF 153
DT1

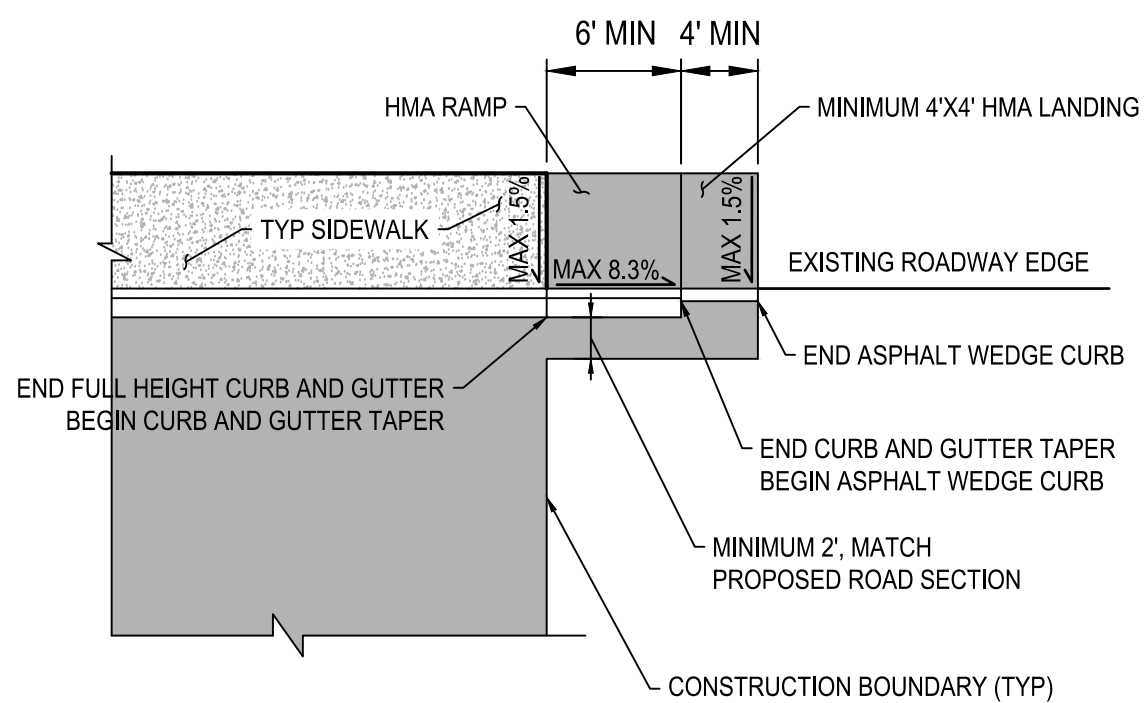
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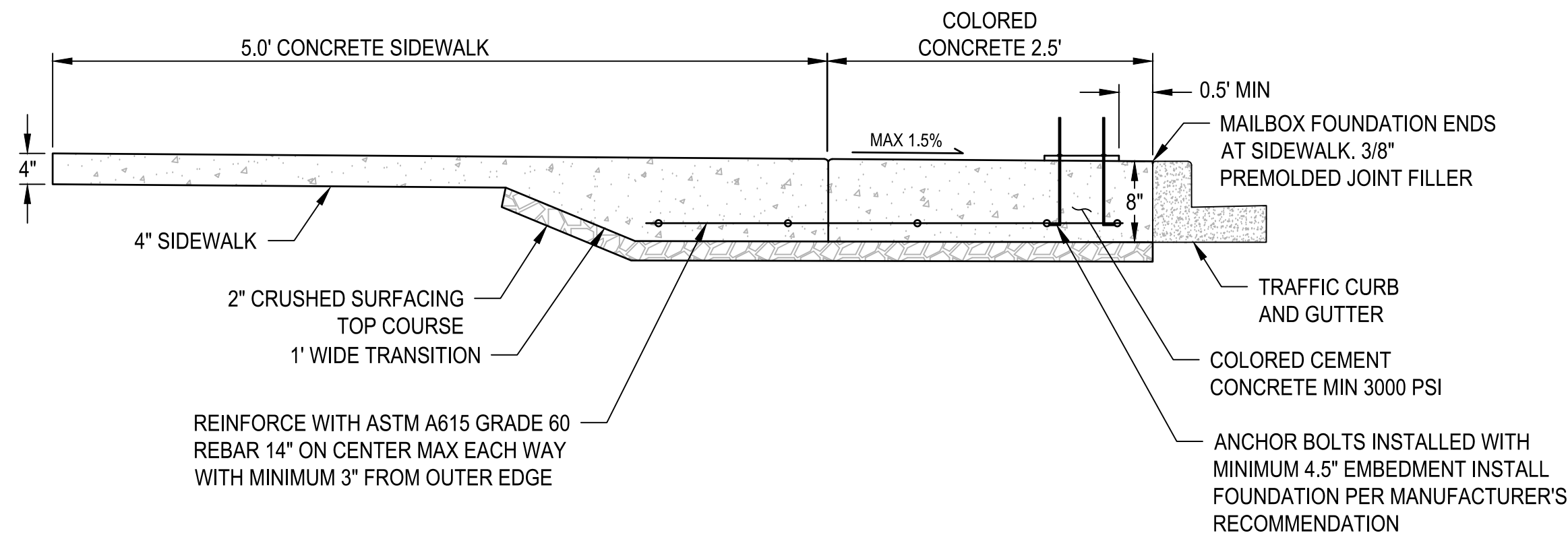
**CLUSTER MAILBOX
DETAIL**
NO SCALE 1 TYP



**BUS STOP PAD
DETAIL**
NO SCALE 2 TYP



**ASPHALT RAMP WITH CURB AND GUTTER TAPER
DETAIL**
NO SCALE 3 TYP



- NOTE:**
- MAILBOX FOUNDATION TO BE PLACE TO ENSURE THE FRONT OF CLUSTER BOX IS 1' FROM THE FACE OF CURB.
 - CLUSTER MAILBOX REBAR AND FOUNDATION, MEASURED AND PAID WITH CLUSTER MAILBOX. COLORED CONCRETE MEASURED AND PAID SEPARATELY.

**CLUSTER MAILBOX FOUNDATION
SECTION**
NO SCALE A

BOX #	REFERENCE LOCATION	SHEET	LT	RT	TYPE	1	2	3	4	5	6	7	8	DETAIL (1)
1	262+17.92	PP2	X		5	7729	7727	7725	7701					1
2	903+58.38	PP19		X	5	11907	11909A	11909B	11909C					1

**CLUSTER MAILBOX TABLE
DETAIL**
NO SCALE 4 TYP

REVISIONS	DATE	BY	DESIGNED
			M. VASSEY
			DRAWN M. VASSEY
			CHECKED D. PROCTOR
			APPROVED A. FISHER

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY.
FILE NAME PS3047013-DT01-04
JOB No. 214-3047-013
DATE FEBRUARY 2021

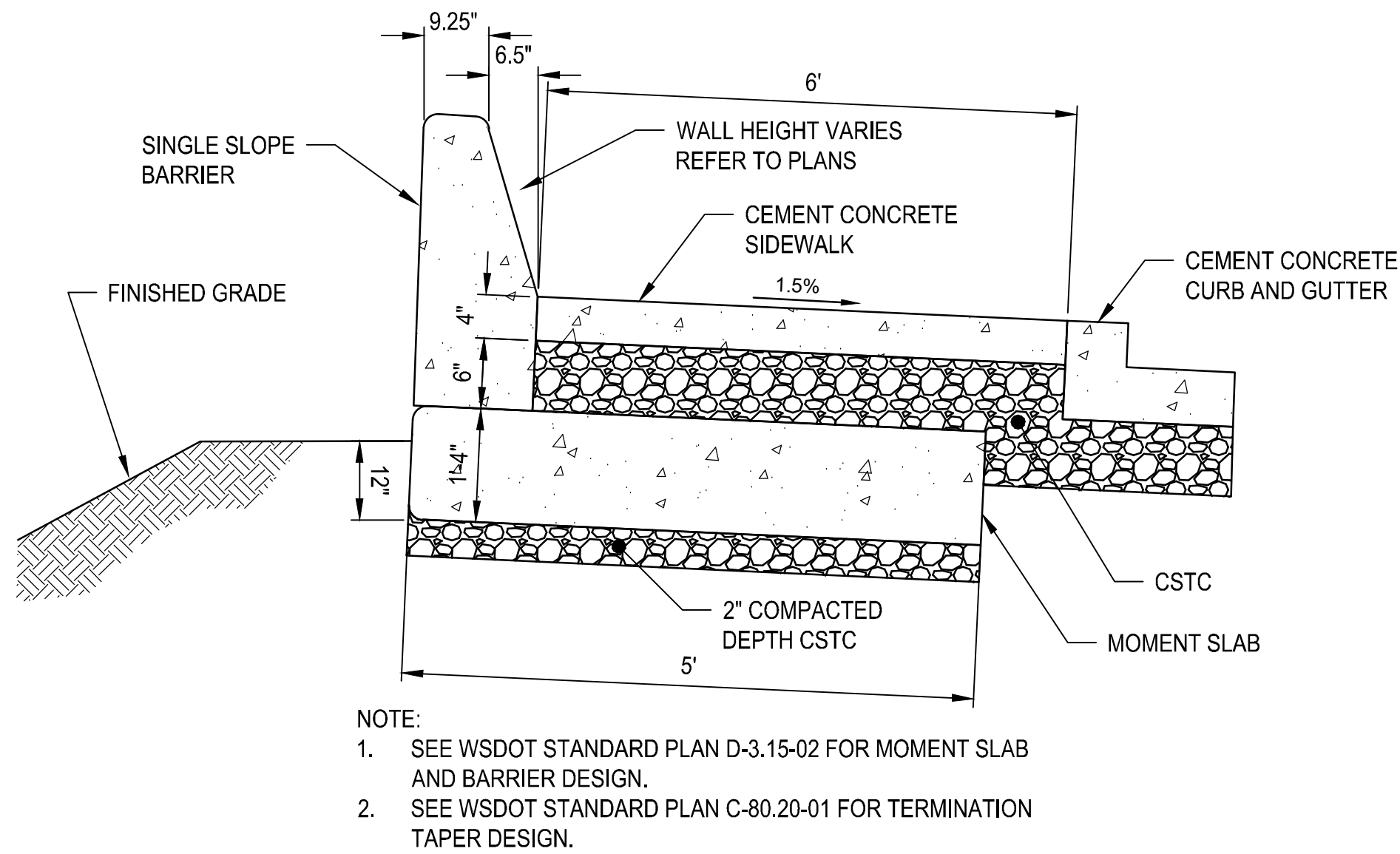


PROJECT NAME
JBLM NORTH ACCESS ROAD IMPROVEMENTS - PHASE 1
LAKEWOOD, WASHINGTON

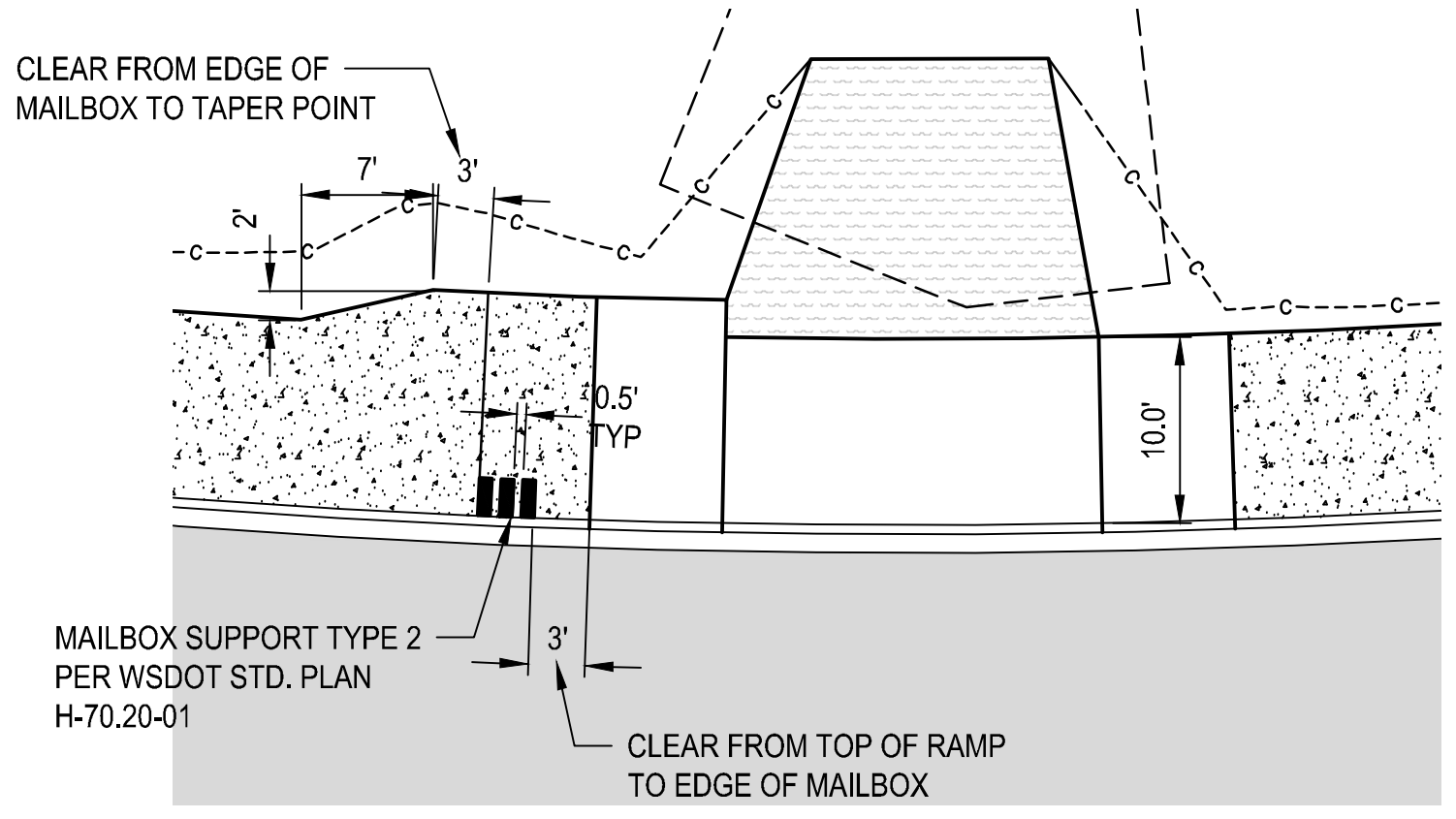
ROADWAY DETAILS

DRAWING NO. 131 OF 153
DT2

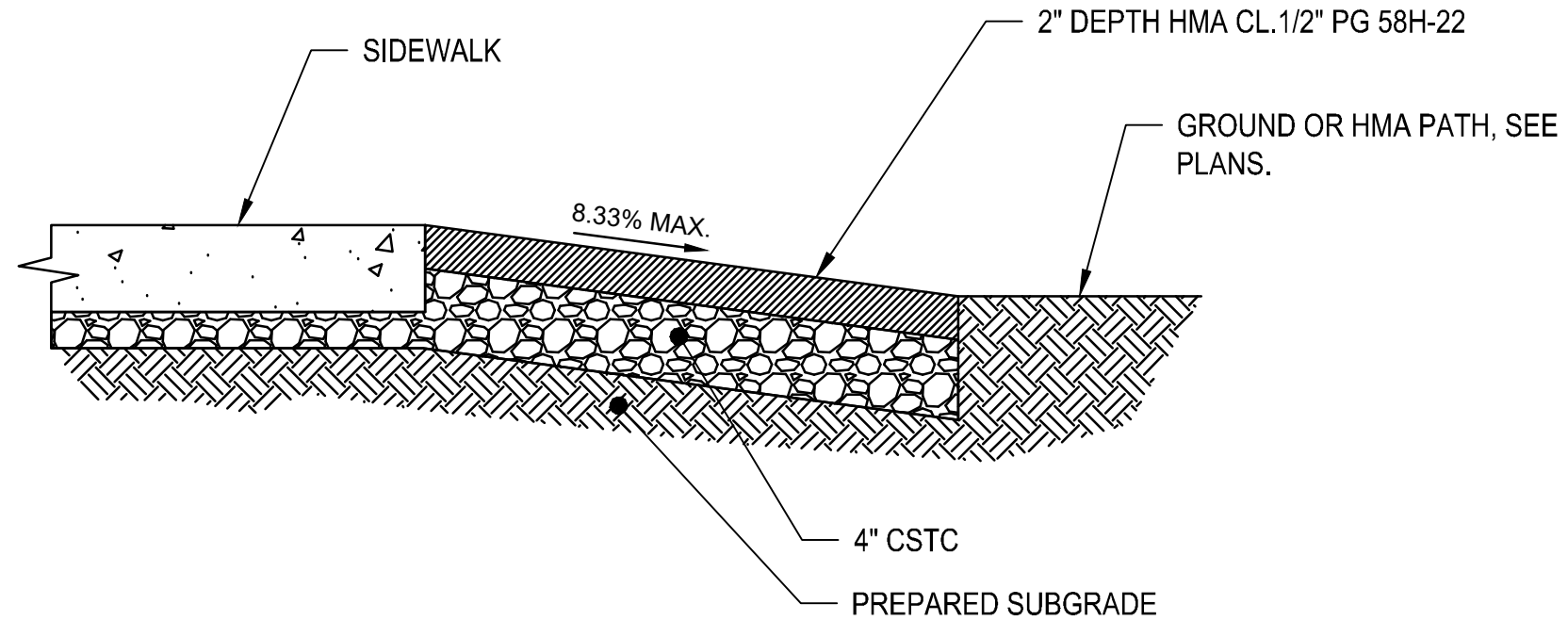
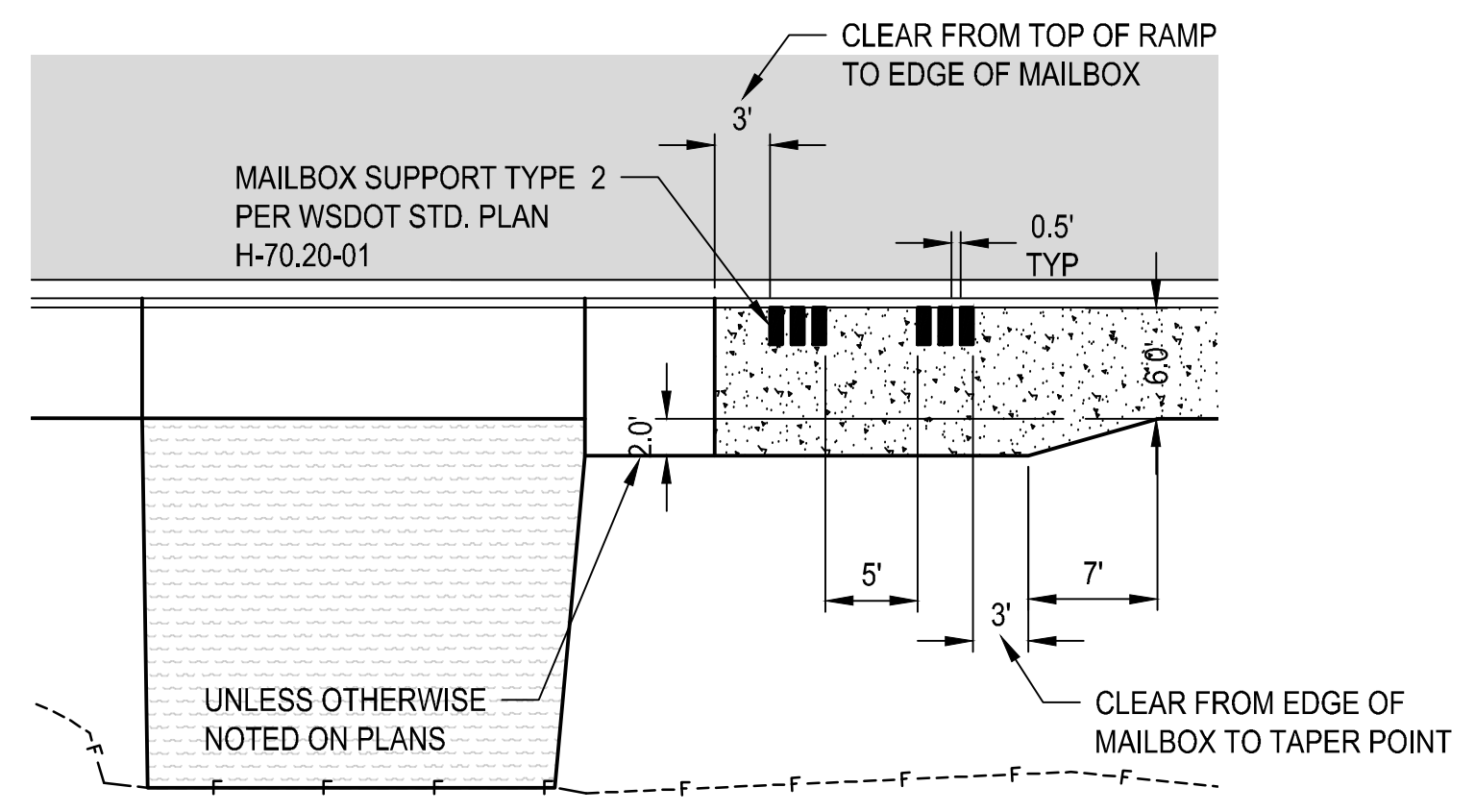
LAYOUT: DT3 ROADWAY DETAILS PATH: \\jurite\projects\19000\19182.00.00 - JBLM North Access Impr\Civil\07-CAD\DWG PLOTTED BY: bbeals DATE: Tuesday, February 2, 2021 5:21:21 PM



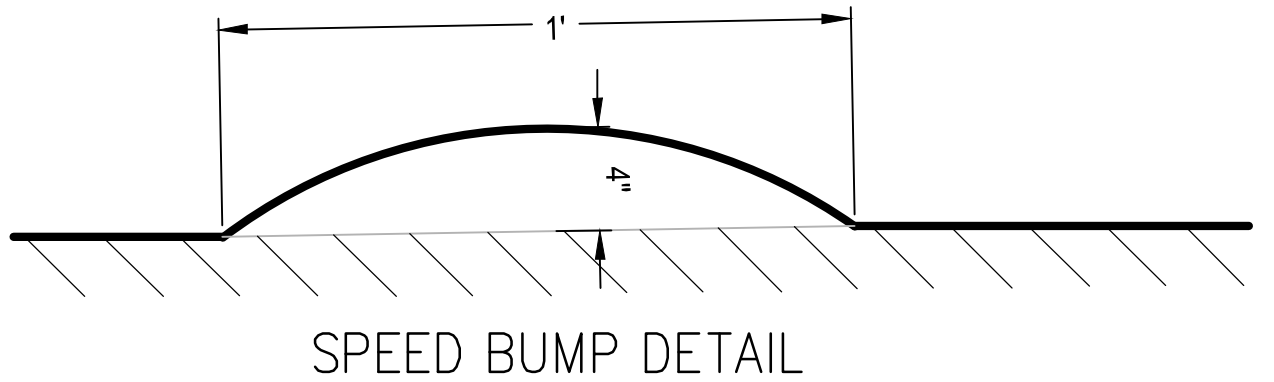
SINGLE SLOPE BARRIER AND MOMENT SLAB SCALE: NTS 1



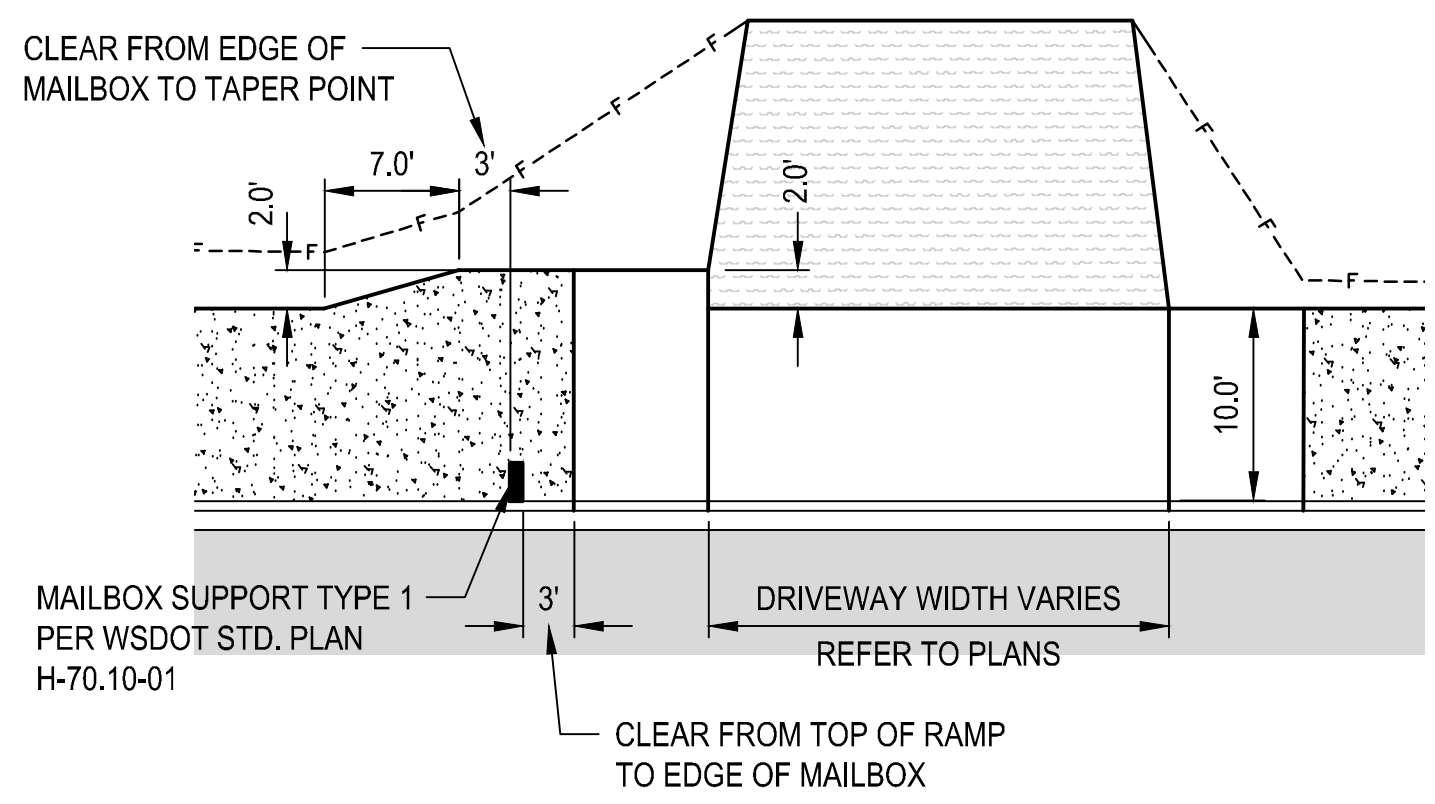
MAILBOX SUPPORT TYPE 2 SCALE: NTS 4



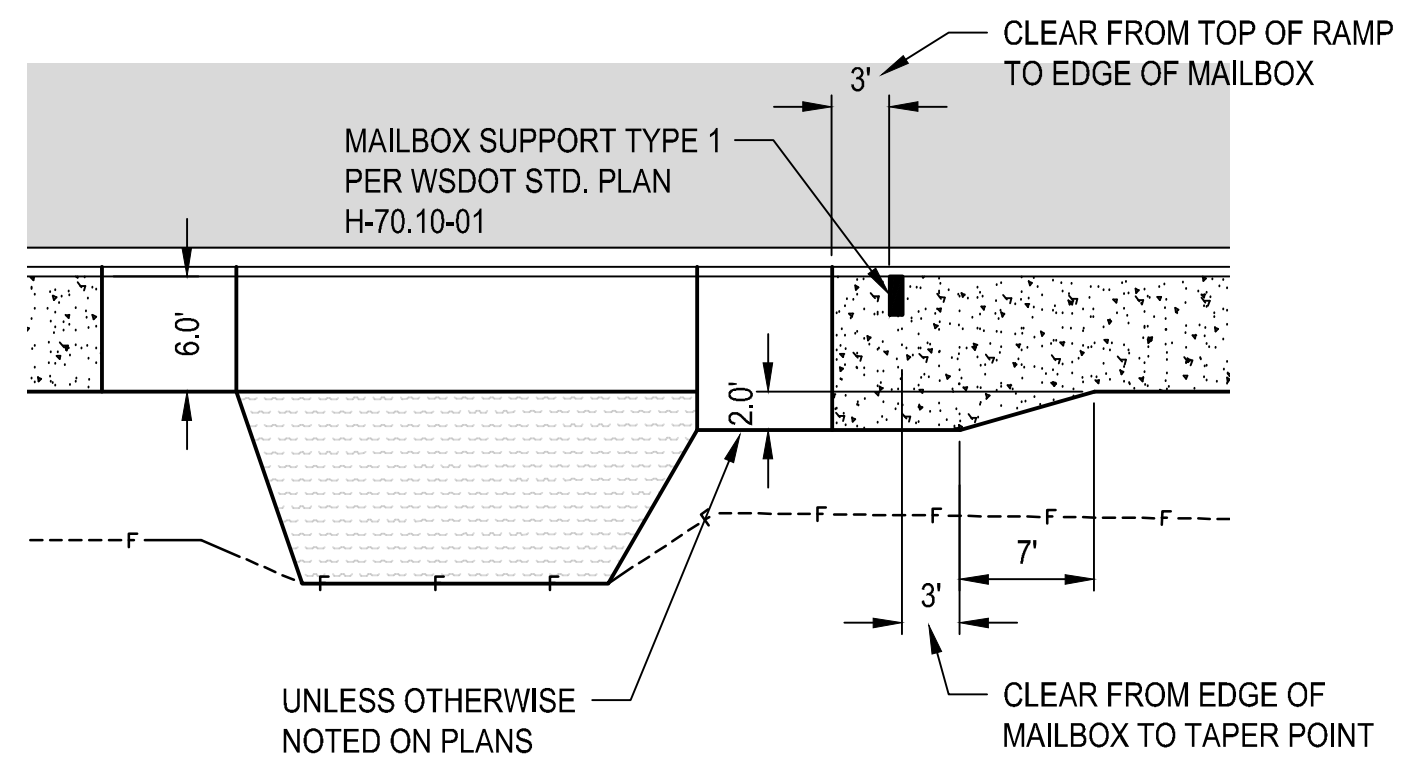
HMA RAMP DETAIL SCALE: NTS 2



HMA SPEED HUMPH SCALE: NTS 5



MAILBOX SUPPORT TYPE 1 SCALE: NTS 3



REVISIONS	DATE	BY	DESIGNED
			B. HARRINGTON
			DRAWN
			R. BEALS
			CHECKED
			B. DORT
			APPROVED
			A. FISHER

ONE INCH AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY
FILE NAME
PS3047013-DT01-02
JOB No.
214-3047-013
DATE
FEBRUARY 2021



Parametrix
ENGINEERING, PLANNING, ENVIRONMENTAL SCIENCES
1019 39TH AVE SE, SUITE 100
PUYALLUP, WA 98374
P 253.604.6600
WWW.PARAMETRIX.COM

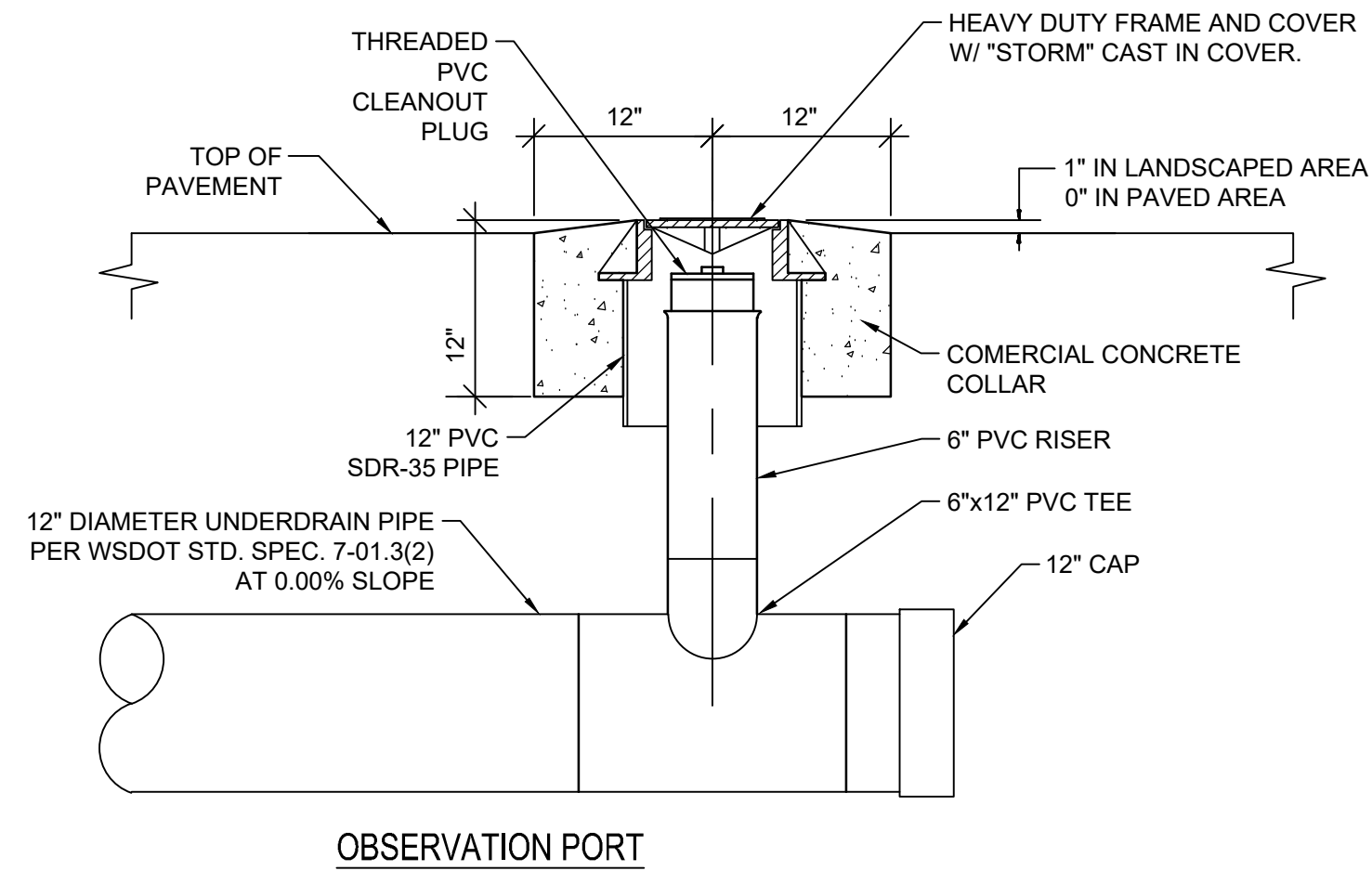
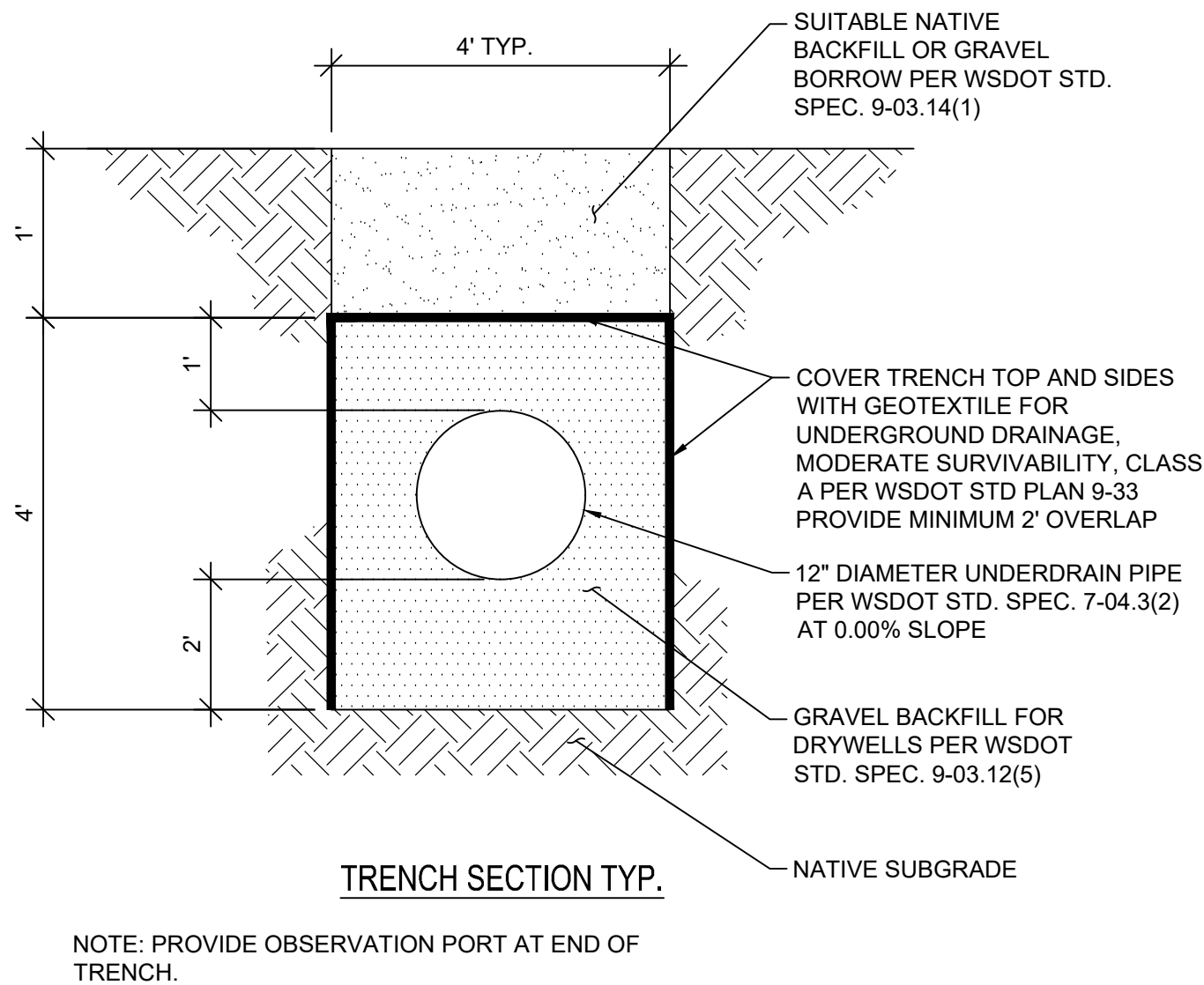
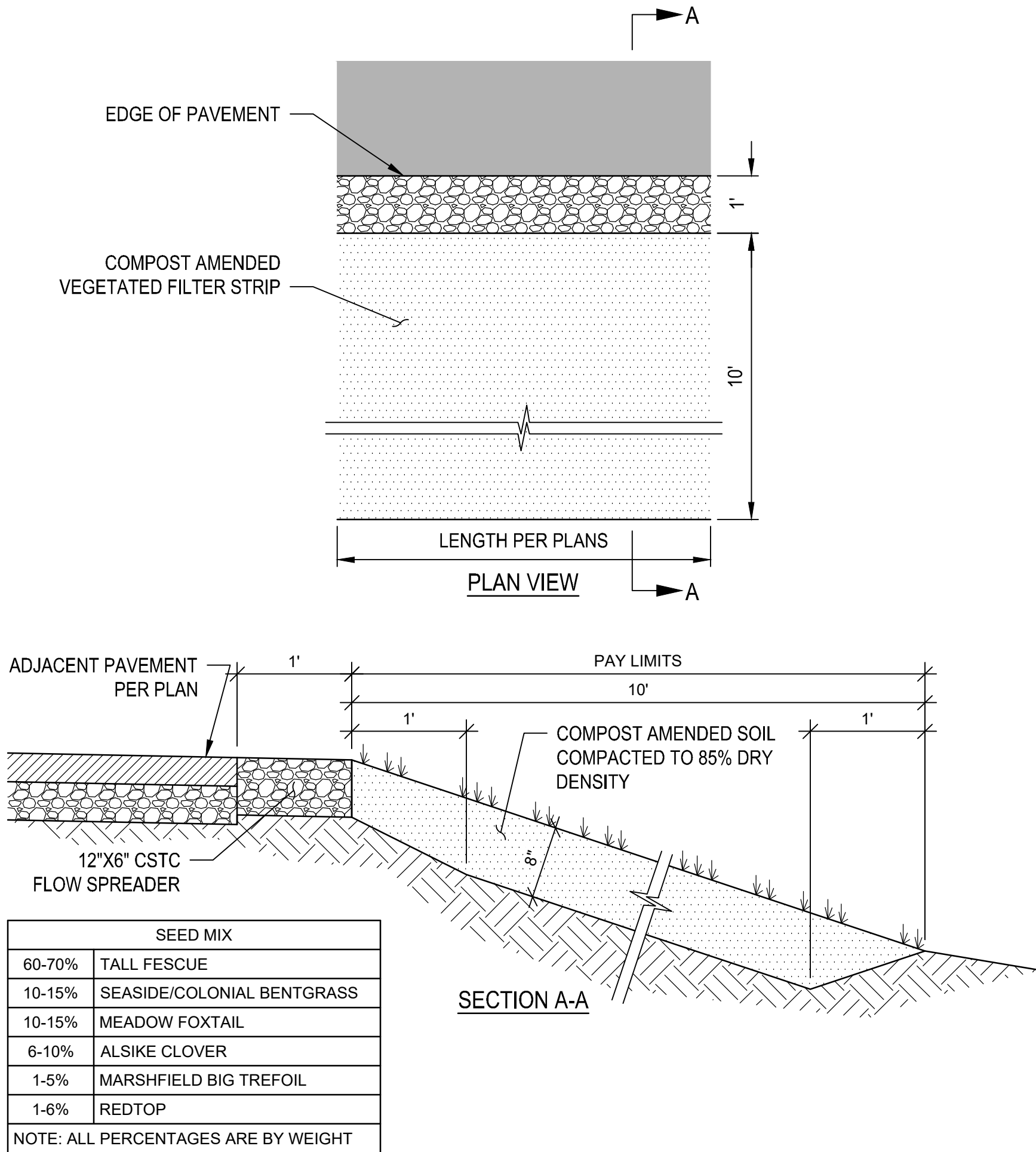
b bcr
2106 PACIFIC AVE, SUITE 300
TACOMA, WA 98402
P 253.627.4367
WWW.BCRADESIGN.COM

PROJECT NAME
**JBLM NORTH ACCESS ROAD
IMPROVEMENTS - PHASE 1**
LAKEWOOD, WASHINGTON

ROADWAY DETAILS

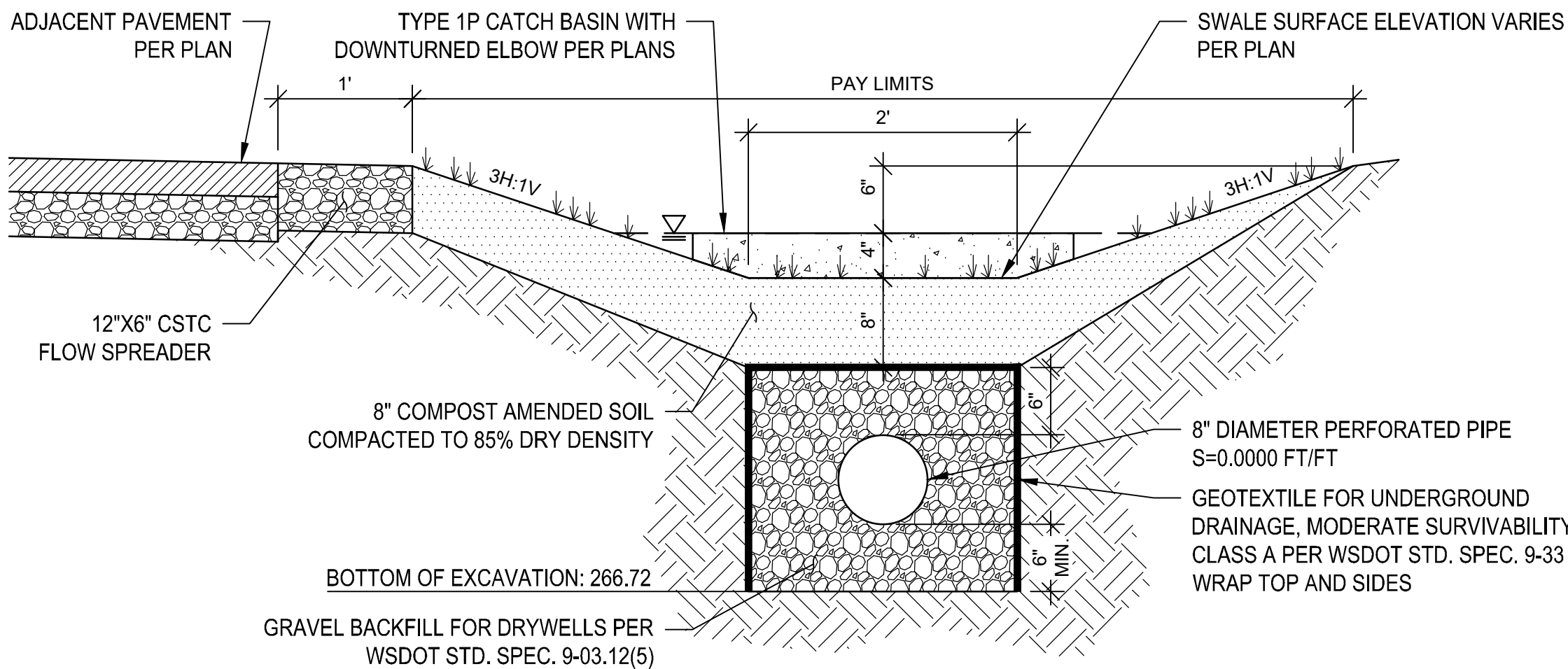
DRAWING NO.
132 OF 153
DT3

LAYOUT: DT4 STORM DETAILS
 PATH: \\jupiter\projects\19000\19182.00.00 - JBLM North Access Impr\Civil\07-CAD\DWG
 PLOTTED BY: bbeals DATE: Tuesday, February 2, 2021 5:21:25 PM



COMPOST AMENDED VEGETATED FILTER STRIP

INFILTRATION TRENCH



SEED MIX	
60-70%	TALL FESCUE
10-15%	SEASIDE/COLONIAL BENTGRASS
10-15%	MEADOW FOXTAIL
6-10%	ALSIKE CLOVER
1-5%	MARSHFIELD BIG TREFOIL
1-6%	REDTOP

NOTE: ALL PERCENTAGES ARE BY WEIGHT

BIOFILTRATION SWALE

REVISIONS	DATE	BY	DESIGNED
			B. HARRINGTON
			R. BEALS
			A. CIRILLO
			A. FISHER

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY	
FILE NAME	PS3047013-DT01-02
JOB No.	214-3047-013
DATE	FEBRUARY 2021

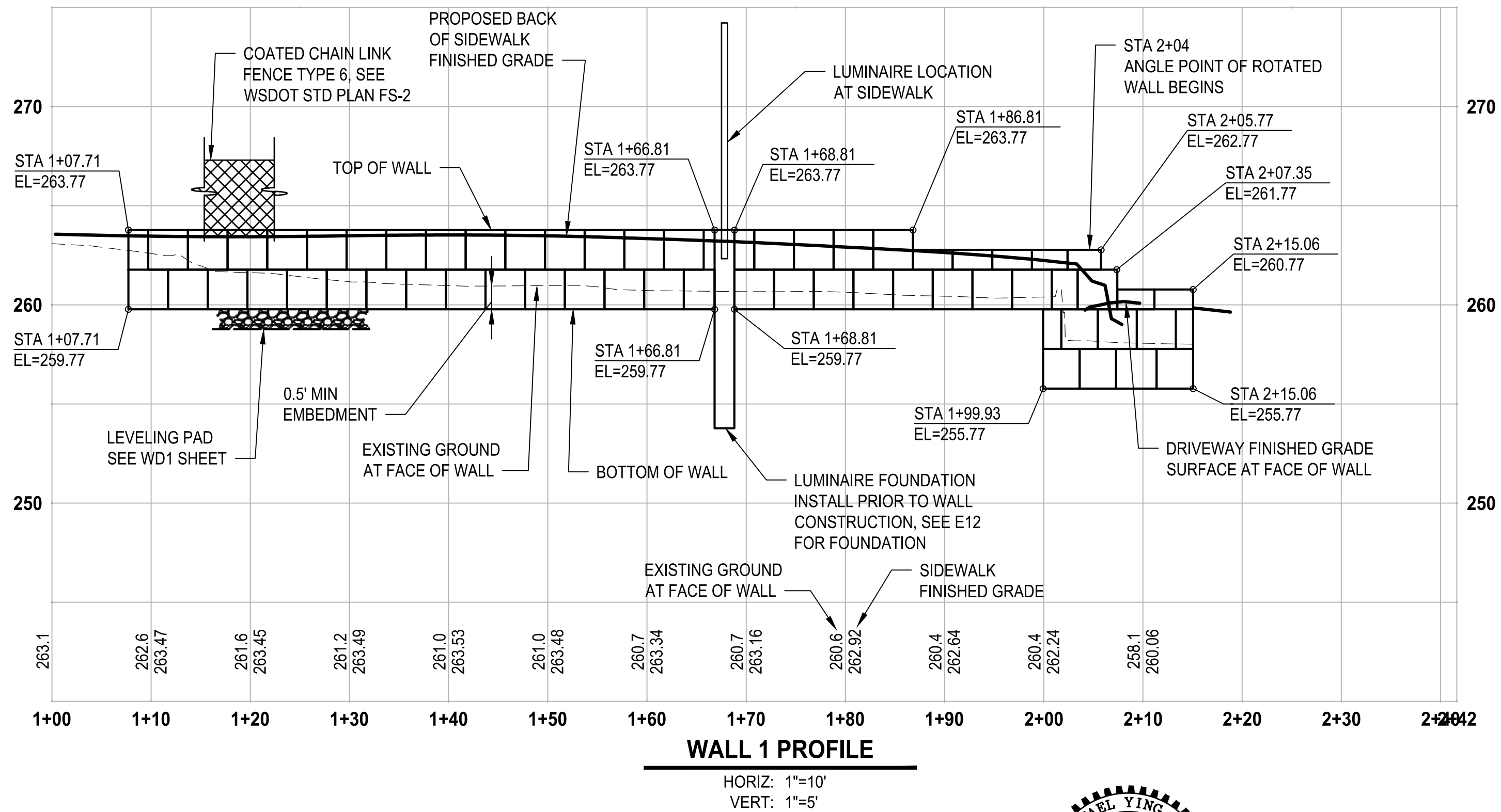
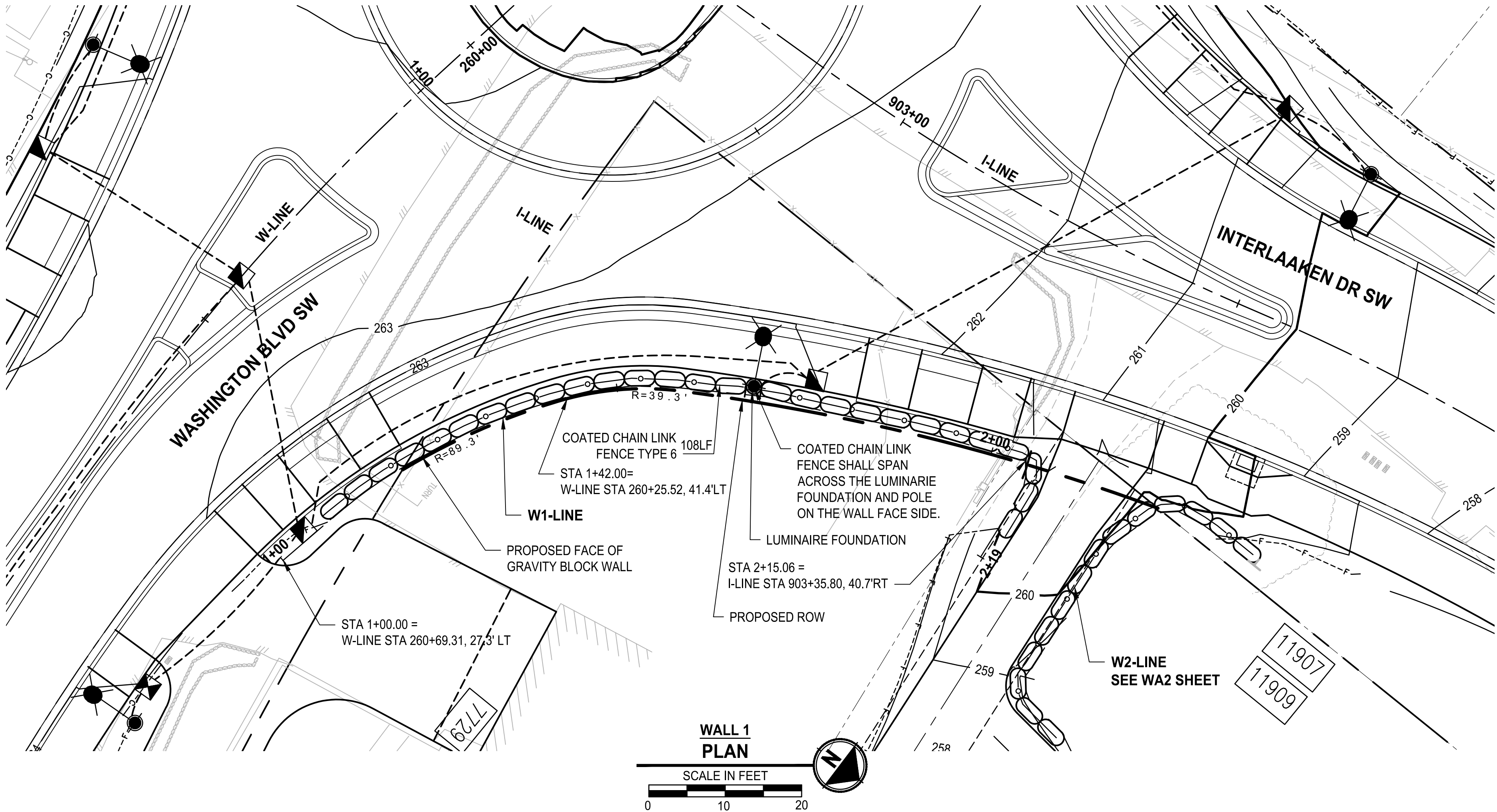


PROJECT NAME
JBLM NORTH ACCESS ROAD IMPROVEMENTS - PHASE 1
LAKEWOOD, WASHINGTON

STORM DETAILS

DRAWING NO. 133 OF 153
DT4

U:\PSO\Projects\Clients\3047-City of Lakewood\214-3047-013 JBLM North Access\995\cadd\DWG PLOTTED BY: toylekot DATE: Tuesday, February 2, 2021 1:44:47 PM LAYOUT: WA1



GENERAL NOTES:

1. SEE WD1 FOR GENERAL WALL CROSS-SECTION DETAILS.
2. GRAVITY BLOCK WALL LAYOUTS, PROFILES, AND DETAILS SHOWN IN THESE SHEETS ARE APPROXIMATE ONLY FOR BIDDING PURPOSES. CONTRACTOR SHALL PREPARE ENGINEERED DESIGNS AND CITY BUILDING PERMIT APPLICATIONS AND OBTAIN PERMIT APPROVAL PRIOR TO CONSTRUCTING THE WALLS.
3. WALL LAYOUT AS SHOWN IS BASED ON A TYPICAL STANDARD 2'x2'x4' BLOCK SIZE. CONTRACTOR'S ACTUAL LAYOUT MAY VARY DEPENDING ON THEIR SELECTED BLOCK SYSTEM.
4. SEE SPECIAL PROVISIONS SECTION 8-24 FOR ADDITIONAL MATERIAL, SUBMITTAL, AND DESIGN INFORMATION AND REQUIREMENTS.

REVISIONS	DATE	BY	DESIGNED
			M. TSUN
			DRAWN
			B. PURGANAN
			CHECKED
			D. PROCTOR
			APPROVED
			A. FISHER

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY.
FILE NAME PS3047013-WA03-04
JOB No. 214-3047-013
DATE FEBRUARY 2021



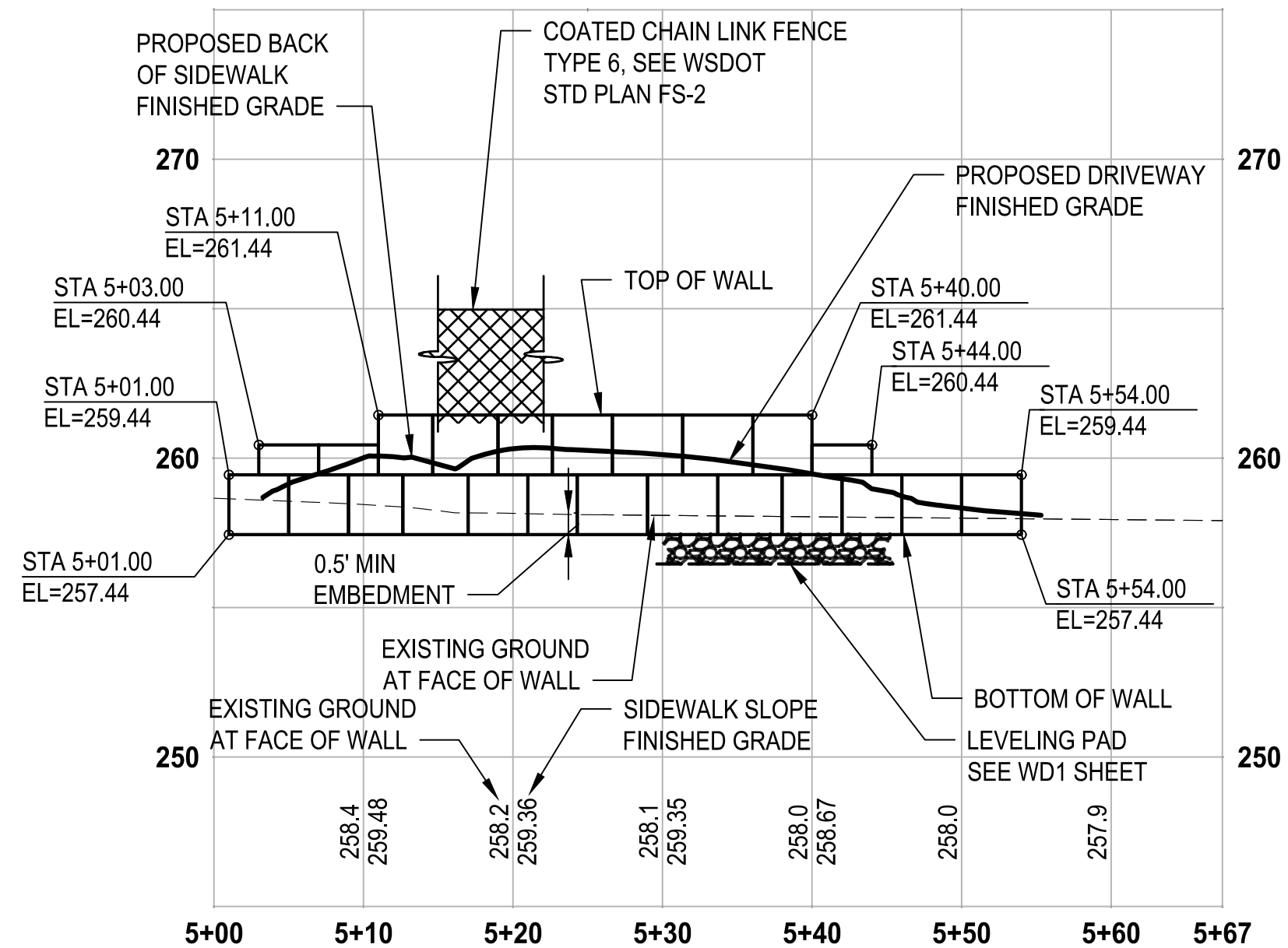
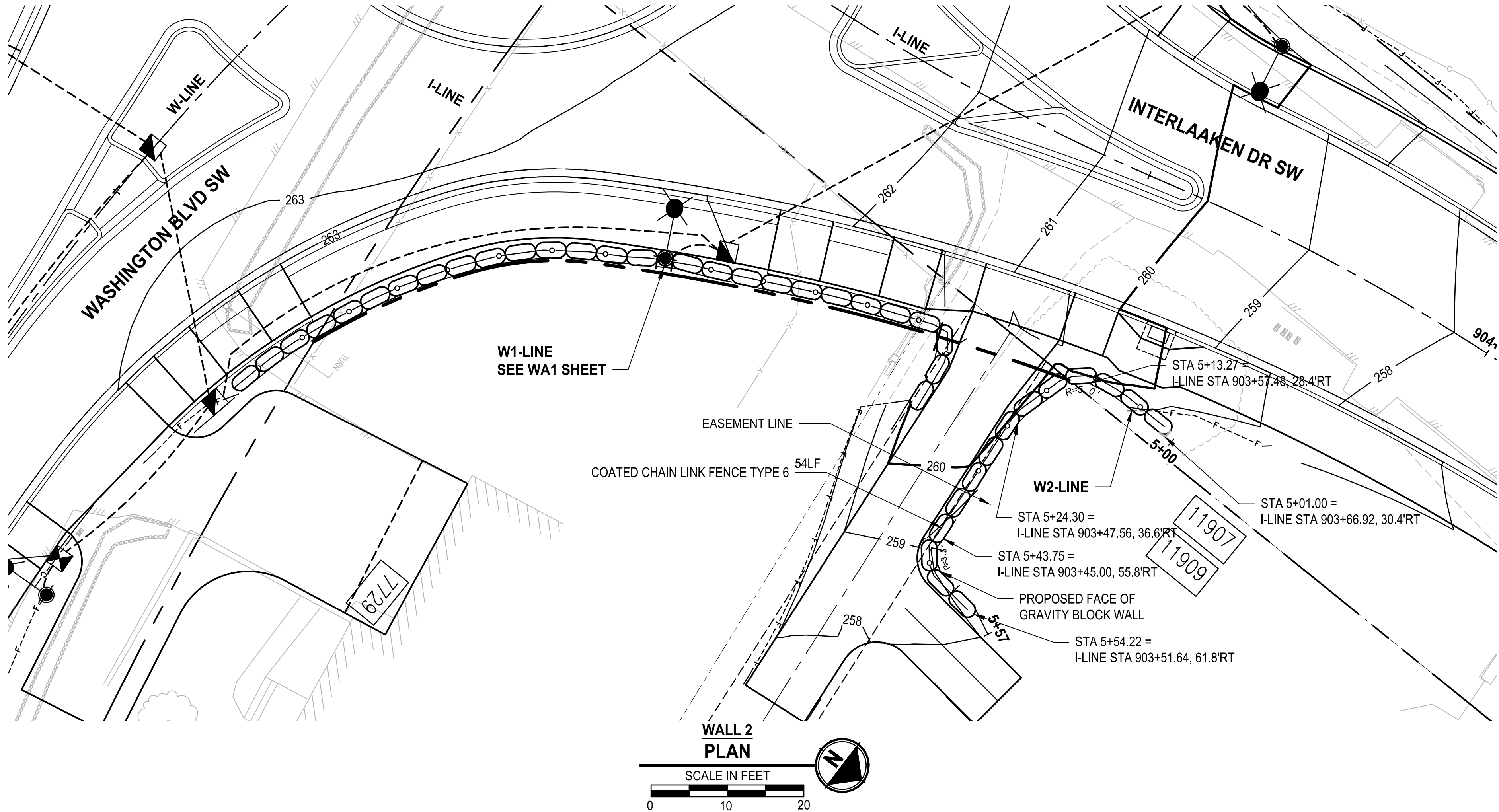
PROJECT NAME
JBLM NORTH ACCESS ROAD IMPROVEMENTS - PHASE 1
LAKEWOOD, WASHINGTON

WALL PLAN AND PROFILE

DRAWING NO.
134 OF 153

WA1

PATH: U:\PSO\Projects\Clients\3047-City of Lakewood\214-3047-013_JBLM NorthAccess\995\cvt\CADD\DWG PLOTTED BY: tayekot DATE: Tuesday, February 2, 2021 1:45:40 PM LAYOUT: WA2

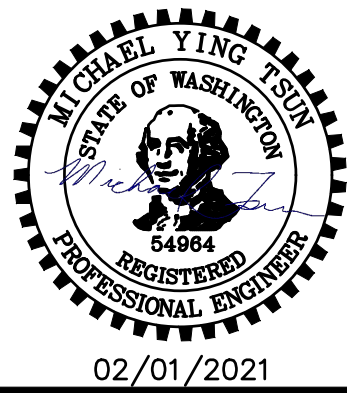


WALL 2 PROFILE

HORIZ: 1"=10'
VERT: 1"=5'

REVISIONS	DATE	BY	DESIGNED
			M. TSUN
			DRAWN
			B. PURGANAN
			CHECKED
			D. PROCTOR
			APPROVED
			A. FISHER

ONE INCH AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY.
FILE NAME
PS3047013-WA03-04
JOB No.
214-3047-013
DATE
FEBRUARY 2021



PROJECT NAME
**JBLM NORTH ACCESS ROAD
IMPROVEMENTS - PHASE 1**
LAKEWOOD, WASHINGTON

WALL PLAN AND PROFILE

DRAWING NO.
135 OF 153

WA2

GENERAL NOTES:

- SEE WD1 FOR GENERAL WALL CROSS-SECTION DETAILS.
- GRAVITY BLOCK WALL LAYOUTS, PROFILES, AND DETAILS SHOWN IN THESE SHEETS ARE APPROXIMATE ONLY FOR BIDDING PURPOSES. CONTRACTOR SHALL PREPARE ENGINEERED DESIGNS AND CITY BUILDING PERMIT APPLICATIONS AND OBTAIN PERMIT APPROVAL PRIOR TO CONSTRUCTING THE WALLS.
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