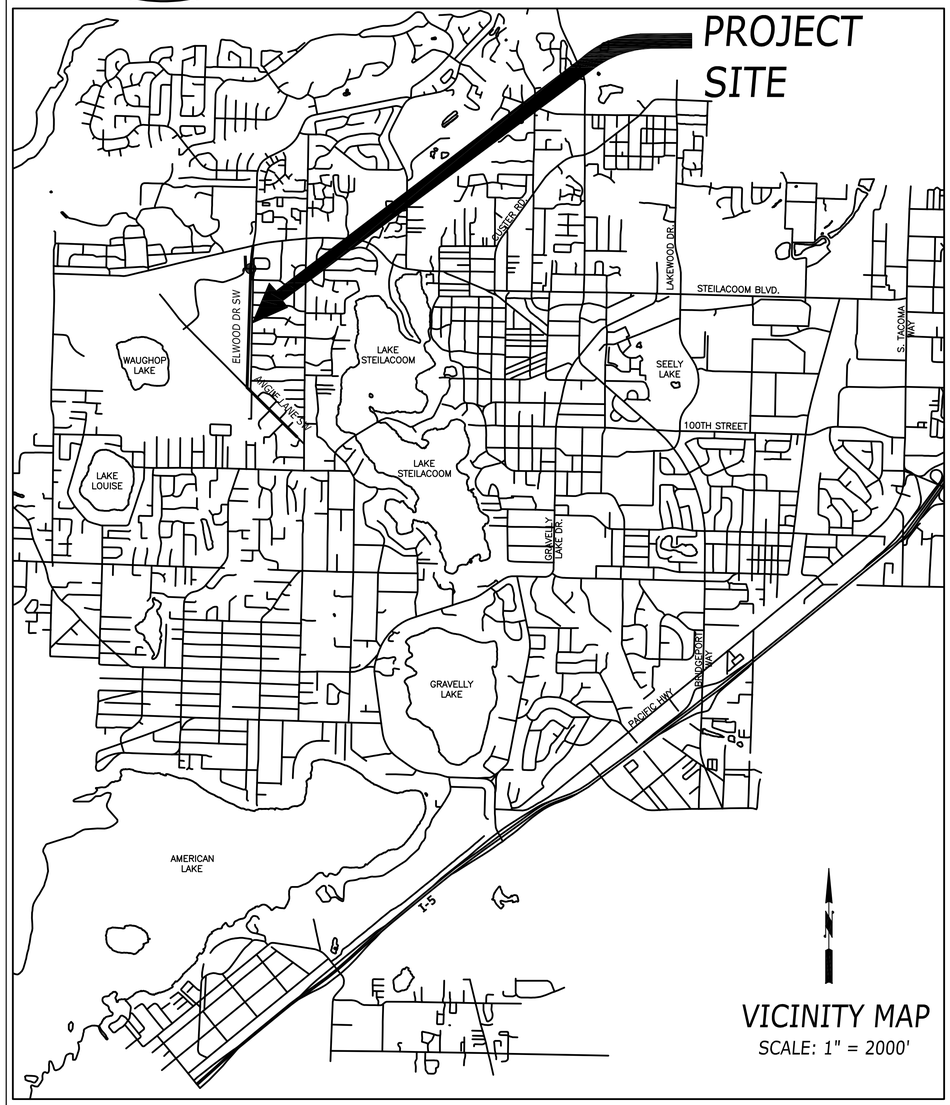
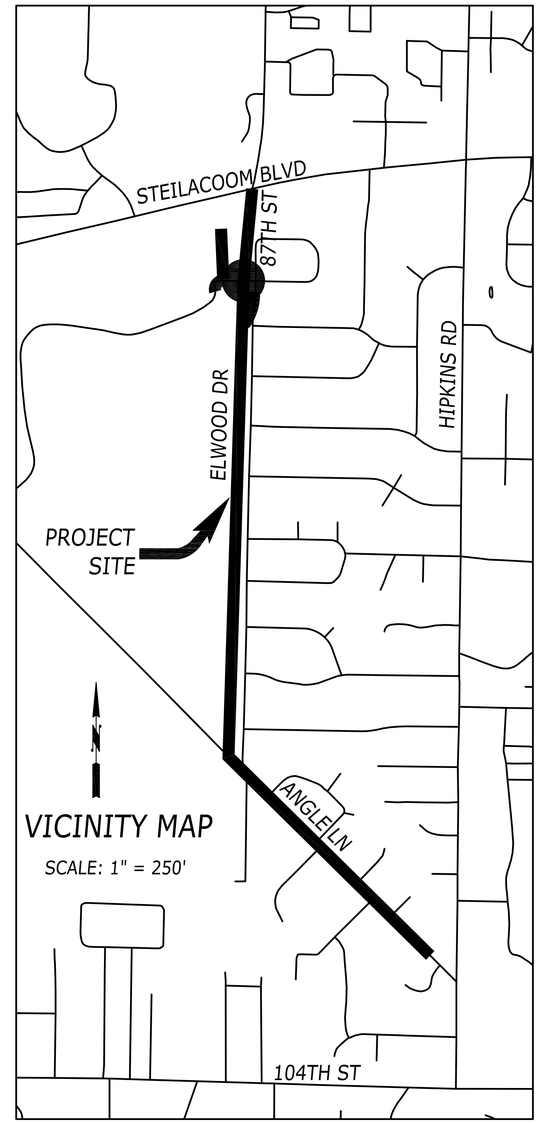
ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS





INDEX OF DRAWINGS

No.	Release/Revision	Rel. Date	Rel. By
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Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/2022 | Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

APPROVED FOR CONSTRUCTION

DATE

PAUL A. BUCICH, P.E.
PUBLIC WORKS ENGINEERING DIRECTOR/CITY ENGINEER

Project Name: ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

Drawing Name: COVER SHEET

Job No. 302.0156

Drawing No. CV

Sheet 1 of 49

WATER SYMBOLS

EXIST.	PROP.	DESCRIPTION
		BLOW-OFF ASSEMBLY
		CAP/PLUG
		COUPLING
		REDUCER
		THRUST BLOCK
		WATER METER
		FIRE HYDRANT
		BUTTERFLY VALVE
		GATE VALVE
		AIR RELEASE VALVE
		SPRINKLER HEAD

SURFACE FEATURE /LANDSCAPE SYMBOLS

EXIST.	PROP. /RELOCATE	DESCRIPTION
		JUNCTION BOX (TYPE I, II, III)
		MAILBOX
		SCHOOL ZONE FLASHING LIGHT ASSEMBLY
		SHRUB /HEDGE
		STREET SIGN
		STREET LIGHT ASSEMBLY
		TRAFFIC SIGN POST
		TRAFFIC BARRIER GUARDRAIL
		TREE (CONIFEROUS)
		TREE (DECIDUOUS)

CHANNELIZATION SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
		LEFT TURN ARROW
		RIGHT TURN ARROW
		STRAIGHT ARROW
		STRAIGHT/LEFT ARROW
		STRAIGHT/RIGHT ARROW
ONLY	ONLY	ONLY
STOP	STOP	STOP
YIELD	YIELD	YIELD

EROSION CONTROL

CONSTRUCTION ENTRANCE

SILT FENCE

INLET PROTECTION

EROSION CONTROL GENERAL NOTES

1. PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL INSTALL ALL BMPS AS SHOWN ON THESE PLANS OR DETERMINED BY THE ENGINEER IN THE FIELD, TO MINIMIZE EROSION AND PREVENT SEDIMENT FROM ENTERING THE STORM SYSTEM.
2. THE CONTRACTOR IS RESPONSIBLE FOR CONTAINING SEDIMENT AND DEBRIS FROM ENTERING THE STORMWATER SYSTEM. IF THE BMPS SHOWN ON THE PLAN ARE FOUND TO BE INSUFFICIENT, THE CONTRACTOR SHALL INSTALL ADDITIONAL BMPS TO ELIMINATE CONSTRUCTION STORMWATER POLLUTION.
3. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IN THE EVENT THAT THE CONTRACTOR DISCOVERS CONDITIONS OR ACTIVITIES THAT WILL DIMINISH THE WATER QUALITY DOWNSTREAM.

SANITARY /STORM SEWER SYMBOLS

EXIST.	PROP.	DESCRIPTION
		SANITARY SEWER CLEANOUT
		SANITARY SEWER MANHOLE
		STORM DRAIN CATCH BASIN, TYPE I
		STORM DRAIN CATCH BASIN, TYPE IP
		STORM DRAIN CATCH BASIN, TYPE II
		STORM DRAIN CATCH BASIN, TYPE II 48" OF BIGGER
		STORM DRAIN CULVERT
		DRAINAGE DITCH
		DRY WELL

GAS /POWER /TELEPHONE SYMBOLS

EXIST.	PROP.	DESCRIPTION
		GAS VALVE
		UTILITY POLE
		UTILITY POLE ANCHOR
		TELEPHONE RISER
T	T	TELEPHONE VAULT
		PAD MOUNTED TRANSFORMER
		POLE MOUNTED TRANSFORMER
P	P	POWER VAULT

GENERAL NOTES

1. ALL CURB RETURN ELEVATIONS SHOWN ON PLANS ARE TOP OF CURB AND DO NOT ACCOUNT FOR CURB RAMPS. ALL TOP OF CURB ELEVATIONS SHOWN REFLECT FULL 6" CURB HEIGHT AND DO NOT ACCOUNT FOR DEPRESSED CURB AT DRIVEWAY.

CALL (2) BUSINESS DAYS BEFORE YOU DIG
811 or 1-800-424-5555
"It's the Law"

DUMP NO WASTE INTO STREAMS

ABBREVIATIONS

ABAND.	ABANDON
ACP	ASPHALT CONCRETE PVMNT.
AP	ANGLE POINT
APPROX.	APPROXIMATELY
ASPH.	ASPHALT
AVE	AVENUE
BOT.	BOTTOM
BLDG.	BUILDING
BLVD.	BOULEVARD
BSW	BACK OF SIDEWALK
CB	CATCH BASIN
CDF	CONTROLLED DENSITY FILL
CL	CENTERLINE
CO	CLEAN OUT
CONC.	CONCRETE
CONT.	CONTINUE
CMP	CORRUGATED METAL PIPE
CPE	CORRUGATED POLYETLENE PIPE
CR	CROWN
CSTC	CRUSHED SURFACING TOP COURSE
CU.FT.	CUBIC FEET
CU.YD.	CUBIC YARD
DEG.	DEGREE
DBL.	DOUBLE
DI	DUCTILE
DRWY	DRIVEWAY
E	EAST
EA.	EACH
EG	EDGE OF GRAVEL
EL.	ELEVATION
EP	EDGE OF PAVEMENT
EXC.	EXCAVATION
EX.,EXIST.	EXISTING
FH	FIRE HYDRANT
FT	FOOT
FL	FLANGED JOINT
G	GAS
GV	GAS VALVE
GE	GRATE ELEVATION
GRVL	GRAVEL
HORIZ.	HORIZONTAL
HMA	HOT MIX ASPHALT
HPG	HIGH PRESSURE GAS
IE	INVERT ELEVATION
IRR.	IRRIGATION
L	LENGTH
LT	LEFT
MH	MANHOLE
MJ	MECHANICAL JOINT
MAX.	MAXIMUM
MIN.	MINIMUM
MISC.	MISCELLANEOUS
MON.	MONUMENT
N	NORTH
NTS	NOT TO SCALE
N.U.	NOT USED
O.C.	ON CENTER
PVMT.	PAVEMENT
PED.	PEDESTRIAN
PL	PROPERTY LINE
PC	POINT OF CURVE
PT	POINT OF TANGENT
PI	POINT OF INTERSECTION
PROP.	PROPOSED
PVC.	POINT OF VERTICAL CURVE
PVC	POLY VINYL CHLORIDE
PVI	POINT OF VERT. INTERSECTION
PVT	POINT OF VERTICAL TANGENT
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RT	RIGHT
R/W	RIGHT-OF-WAY
RD.	ROAD
S	SOUTH
SS	SANITARY SEWER
SAN.	SANITARY
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
S/W	SIDEWALK
SPECS.	SPECIFICATIONS
STD.	STANDARD
STA.	STATION
ST.	STREET
T	TELEPHONE
T.B.C.	TOP BACK OF CURB
T.O.C.	TOP OF CURB
TYP.	TYPICAL
U.P.	UTILITY POLE
UNK.	UNKNOWN
V	VALVE
VAP	VERTICAL ANGLE POINT
V.C.	VERTICAL CURVE
VERT.	VERTICAL
W	WEST
WM	WATER METER
W.M.	WILLAMETTE MERIDIAN
W.V.	WATER VALVE
W/	WITH
Z	ZONE

LINE TYPES LEGEND

EXIST.	PROP.	DESCRIPTION
		BUILDING LINE
TV	TV	CABLE TELEVISION (OVERHEAD)
TV	TV	CABLE TELEVISION (UNDERGROUND)
		CONDUIT
		CONSTRUCTION CENTERLINE
		EDGE OF SIDEWALK
		EXISTING CROWN
X	X	FENCE BARBED WIRE
		FENCE CHAIN LINK
		FENCE WOOD
FDA	FDA	FIBER OPTIC AERIAL
FDU	FDU	FIBER OPTIC UNDERGROUND
		INFILTRATION PIPE
GAS	GAS	GAS
HPG	HPG	HIGH PRESSURE GAS
DHP	DHP	POWER (OVERHEAD)
UGP	UGP	POWER (UNDERGROUND)
		PROJECT LIMITS
		PROPERTY LINE
C	C	LIMITS OF CUT
F	F	LIMITS OF FILL
SS	SS	SANITARY SEWER
TRA	TRA	TRAFFIC SIGN UNDERGROUND CONDUIT
SD	SD	STORM DRAIN
SL	SL	STREET LIGHTING
T	T	TELEPHONE OVERHEAD
		TELEPHONE UNDERGROUND
W	W	WATER

CONSTRUCTION SYMBOLS

- CONSTRUCTION NOTES
- CHANNELIZATION & ILLUMINATION NOTES
- DEMOLITION SITE PREPARATION NOTES
- EROSION & SEDIMENT CONTROL NOTES
- SECTION NOTES
- STORM DRAINAGE NOTES
- HMA ROADWAY OR PATCH
- PROPOSED CEMENT CONCRETE CURB, GUTTER, SIDEWALK, AND DRIVEWAYS
- HMA FOR APPROACH
- PLAINING EXISTING PAVEMENT
- PULVERIZE EXISTING PAVEMENT

SURVEY SYMBOLS

EXIST.	PROP.	DESCRIPTION
		MONUMENT (IN CASE)
		SURVEY IRON PIPE
		SURVEY CONTROL NAIL
		SURVEY CONTROL "X" SCRIBE
		BENCH MARK

THE EXISTING TOPOGRAPHIC AND PHYSICAL FEATURES SHOWN ON THESE PLANS ARE BASED ON A COMBINATION OF:
FIELD SURVEY AND AS-BUILTS FROM PIERCE COUNTY
FIELD SURVEY DATA BY THE SURVEYOR OF RECORD
FRANCHISE UTILITY COMPANY RECORDS
FIELD RECONNAISSANCE BY CITY OF LAKEWOOD PUBLIC WORKS ENGINEERING DEPARTMENT

THIS WAS THE INFORMATION AVAILABLE AT THE TIME OF PLAN PREPARATION. ACTUAL CONDITIONS MAY BE DIFFERENT. THE CONTRACTOR MAY ENCOUNTER VARIATIONS BETWEEN ACTUAL CONDITIONS AND THOSE SHOWN. THESE VARIATIONS WILL NOT BE THE BASIS FOR A CLAIM OR EXTRA COMPENSATION.

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE CITY OF LAKEWOOD. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE ENCOUNTER BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

No.	Release/Revision	Re. Date	Re. By

Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

CITY OF LAKEWOOD, WA ©1996

TROY S. POKSWINSKI STATE OF WASHINGTON 40023 REGISTERED PROFESSIONAL ENGINEER 4/10/23

Project Name: ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

Drawing Name: LEGENDS, ABBREVIATIONS, NOTES, AND SYMBOLS

Job No. 302.0156

Drawing No. LA

Sheet 2 of 49

SECTION 4, TOWNSHIP 19N, RANGE 2E
SECTION 33, TOWNSHIP 20N, RANGE 2E

THE CONSTRUCTION ALIGNMENTS SHOWN BELOW ARE THE BASIS FOR THE PROPOSED CROWNLINE. IN NO CIRCUMSTANCE DOES THE CONSTRUCTION ALIGNMENT PARALLEL THE RIGHT-OF-WAY CENTERLINE.

SURVEY CONTROL

BASIS OF BEARING

NAD 1983
WASHINGTON STATE PLANE SOUTH PROJECTION, BASED ON GPS OBSERVATIONS USING WSRN AND GEOID 2012A. UNITS OF MEASUREMENT ARE US SURVEY FEET.

VERTICAL DATUM

NAVD 1988 VERTICAL DATUM ON ORTHOMETRICALLY CORRECTED GPS OBSERVATIONS USING WSRN AND GEOID 2012A.

ALIGNMENT CONTROL

NAME	STATION	NORTHING	EASTING
ANGLE	200+00.00	674592.36	1131194.78
ELWOOD	300+00.00	676060.42	1129685.11

ALIGNMENT TANGENT DATA 200+00 LINE

STATION	BEARING	DISTANCE
200+00.00	N52°24'10"W	86.43'
200+86.43	N47°26'51"W	86.88'
201+73.31	N45°06'54"W	233.12'
204+06.43	N45°33'58"W	470.22'
208+76.65	N44°56'44"W	291.25'
211+67.90	N45°07'57"W	349.74'
215+17.64	N45°52'06"W	690.00'

ALIGNMENT TANGENT DATA 300+00 LINE

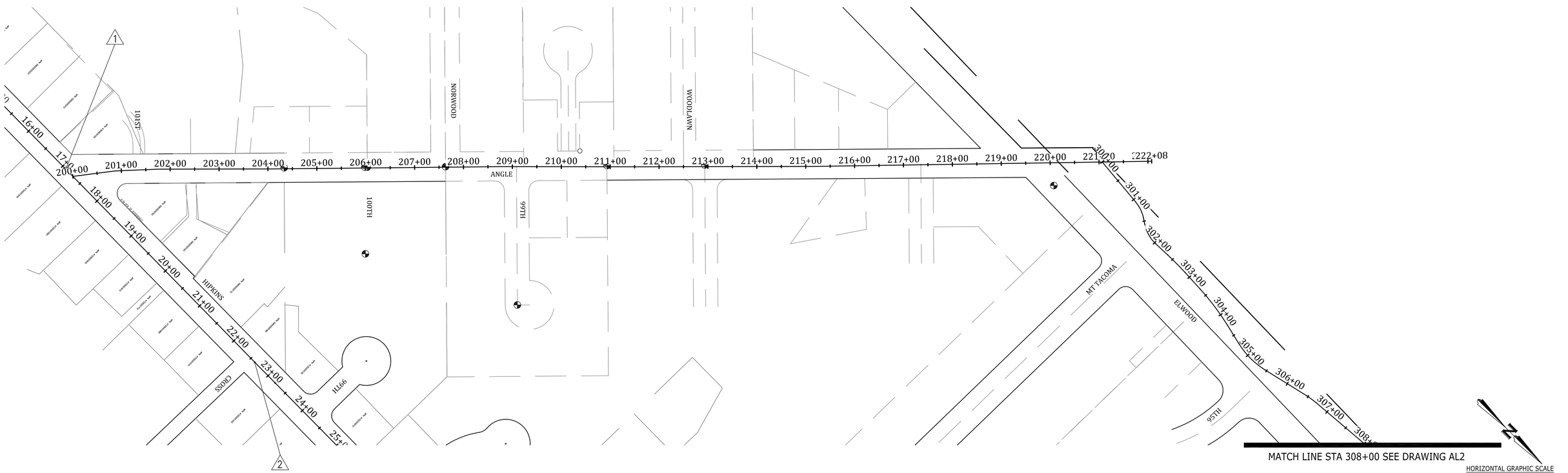
STATION	BEARING	DISTANCE
300+00.00	N05°02'36"E	106.91'
301+44.82	N34°00'26"E	10.98'
302+03.14	N02°09'25"W	33.13'
302+87.42	N02°43'40"E	46.25'
304+25.34	N13°13'54"E	44.88'
305+46.71	N13°10'12"W	99.61'
306+71.10	N04°37'11"W	169.26

ALIGNMENT CURVE DATA 300+00 LINE

STATION	RAD.	DELTA	LENGTH	TANGENT
301+06.91	75.00'	28.964°	37.91'	19.37'
301+55.80	75.00'	36.164°	47.34'	24.49'
302+36.27	600.00'	4.885°	51.15'	25.59'
303+33.67	500.00'	10.504°	91.66'	45.96'
304+70.22	166.00'	26.402°	76.49'	38.94'
306+46.32	166.00'	8.550°	24.77'	12.41'

SURVEY CONTROL

PNT NO.	NORTHING	EASTING	ELEV.	DESC.
1	674571.79	1131194.61	245.32	MON IN CASE
2	675124.07	1131200.48	241.26	MON IN CASE



No.	Release/Revision	Re. Date	Re. By

Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
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Electronic File Name: 302.0083

CITY OF LAKEWOOD, WA 1996

TROY S. POKSWINSKI
STATE OF WASHINGTON
45879
REGISTERED PROFESSIONAL ENGINEER
4/10/23

Project Name:
ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

Drawing Name:
ALIGNMENT PLAN - ANGLE LANE AND SOUTH ELWOOD

Job No. 302.0156
Drawing No. AL1
Sheet 3 of 49

SECTION 4, TOWNSHIP 19N, RANGE 2E
SECTION 33, TOWNSHIP 20N, RANGE 2E

SURVEY CONTROL

BASIS OF BEARING

NAD 1983
WASHINGTON STATE PLANE SOUTH PROJECTION, BASED ON GPS OBSERVATIONS USING WSRN AND GEOID 2012A. UNITS OF MEASUREMENT ARE US SURVEY FEET.

VERTICAL DATUM

NAVD 1988 VERTICAL DATUM ON ORTHOMETRICALLY CORRECTED GPS OBSERVATIONS USING WSRN AND GEOID 2012A.

THE CONSTRUCTION ALIGNMENTS SHOWN BELOW ARE THE BASIS FOR THE PROPOSED CROWNLINE. IN NO CIRCUMSTANCE DOES THE CONSTRUCTION ALIGNMENT PARALLEL THE RIGHT-OF-WAY CENTERLINE.

ALIGNMENT TANGENT DATA 300+00 LINE

STATION	BEARING	DISTANCE
308+66.21	N03°50'52"E	47.13'
310+11.48	N13°13'10"E	181.54'
312+18.01	N01°05'55"W	200.22'
315+06.38	N06°08'56"W	23.11'
316+24.90	N07°31'01"E	162.47'
318+20.78	N02°03'16"W	285.51'
321+22.50	N02°35'26"E	614.99'
327+59.35	N08°51'13"E	77.67'
328+65.31	N14°15'49"W	128.11'
330+19.97	N34°34'06"W	102.97'
331+52.33	N13°32'42'E	34.39'

ALIGNMENT CURVE DATA 300+00 LINE

STATION	RAD.	DELTA	LENGTH	TANGENT
308+40.35	175.00'	8.468°	25.86'	12.96'
309+13.34	600.00'	9.372°	98.14'	49.18'
311+93.02	100.00'	14.318°	24.99'	12.56'
314+18.23	1000.00'	5.050°	88.14'	44.10'
315+29.49	400.00'	13.666°	95.41'	47.93'
317+87.37	200.00'	9.572°	33.41'	16.75'
321+06.29	200.00'	4.645°	16.21'	8.11'
327+37.49	200.00'	6.263°	21.86'	10.94'
328+37.02	72.62'	22.319°	28.29'	14.33'
329+93.42	75.00'	20.287°	26.56'	13.42'
331+22.94	35.00'	48.114°	29.39'	15.62'

ALIGNMENT CONTROL

NAME	STATION	NORTHING	EASTING
87TH	400+00.00	678803.80	1129846.43
DRESDEN	500+00.00	679073.95	1129586.14
PARKING	600+00.00	679174.68	1129633.62

ALIGNMENT TANGENT DATA 500+00 LINE

STATION	BEARING	DISTANCE
500+00.00	N22°01'35"E	81.24'
501+70.97	S89°25'36"E	345.19'

ALIGNMENT TANGENT DATA 600+00 LINE

STATION	BEARING	DISTANCE
600+00.00	N44°26'25"W	52.89'
600+91.83	N14°41'15"W	318.85'

ALIGNMENT TANGENT DATA 400+00 LINE

STATION	BEARING	DISTANCE
400+00.00	N01°46'21"E	64.78'
401+49.08	N17°32'57"W	125.86'
403+55.08	N00°49'05"E	44.51'
403+99.59	N01°31'44"E	314.67'
407+84.87	N09°37'15"E	67.83'
408+52.70	N10°10'24"E	92.29'

ALIGNMENT CURVE DATA 400+00 LINE

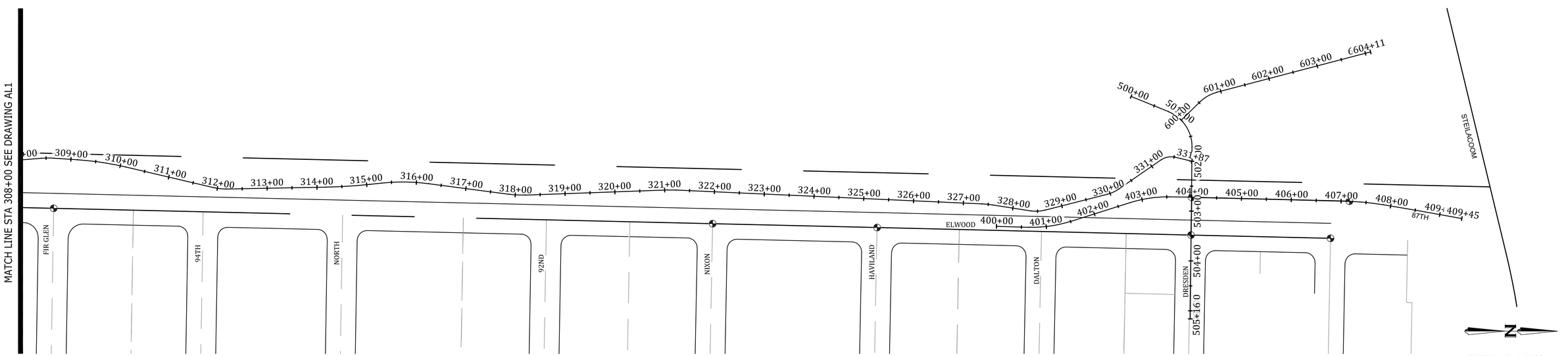
STATION	RAD.	DELTA	LENGTH	TANGENT
400+64.78	250.00'	19.322°	84.31'	42.56'
402+74.94	250.00'	18.367°	80.14'	40.42'
407+14.26	500.00'	8.092°	70.61'	35.37'

ALIGNMENT CURVE DATA 500+00 LINE

STATION	RAD.	DELTA	LENGTH	TANGENT
500+81.24	75.00'	68.547°	89.73'	61.15'

ALIGNMENT CURVE DATA 600+00 LINE

STATION	RAD.	DELTA	LENGTH	TANGENT
600+52.89	75.00'	29.753°	38.95'	19.92'



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Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22 | Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

CITY OF LAKEWOOD, WA 1996

TROY S. POKSWINSKI STATE OF WASHINGTON 45079 REGISTERED PROFESSIONAL ENGINEER 4/10/23

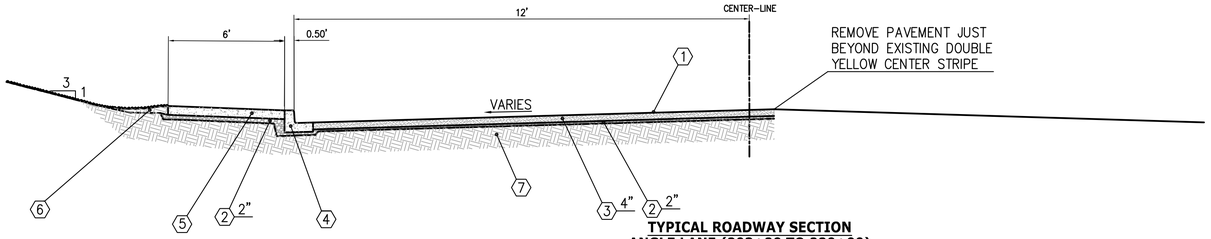
Project Name: ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

Drawing Name: ALIGNMENT PLAN - NORTH ELWOOD, 87TH, DRESDEN

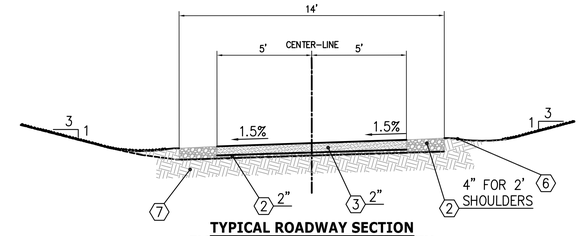
Job No. 302.0156

Drawing No. AL2

Sheet 4 of 49



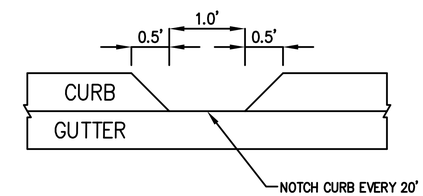
TYPICAL ROADWAY SECTION
ANGLE LANE (203+20 TO 220+00)
SCALE: NTS



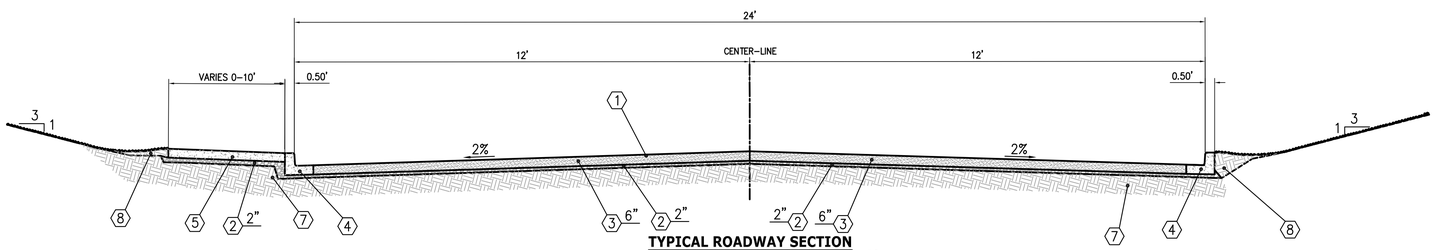
TYPICAL ROADWAY SECTION
ELWOOD DRIVE SHARED USE PATH
(STA 300+56 TO 331+53)
SCALE: NTS

SECTION NOTES:

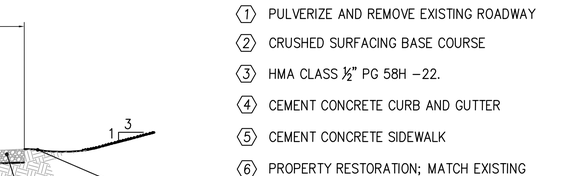
1. PULVERIZE AND REMOVE EXISTING ROADWAY
2. CRUSHED SURFACING BASE COURSE
3. HMA CLASS ½" PG 58H –22.
4. CEMENT CONCRETE CURB AND GUTTER
5. CEMENT CONCRETE SIDEWALK
6. PROPERTY RESTORATION; MATCH EXISTING
7. COMPACTED SUBGRADE
8. 3" TOPSOIL TYPE A WITH HYDROSEED
9. GEOTEXTILE FABRIC FOR SEPARATION PER SECTION 9–32.2(1) TABLE 3 OF THE WSDOT STD SPEC.
10. GRAVEL BACKFILL FOR DRYWELLS PER WSDOT STD SPEC 9–03.12(5)
11. NOTCHED CURB PER DETAIL THIS SHEET
12. 12" PERFORATED PIPE



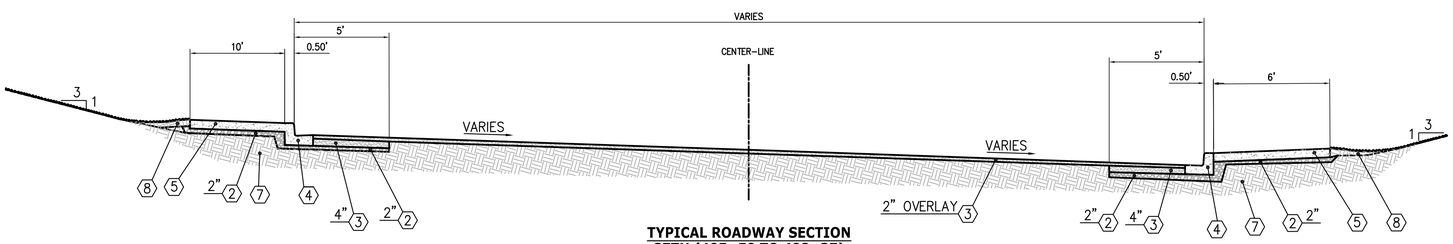
CURB NOTCH
NOT TO SCALE



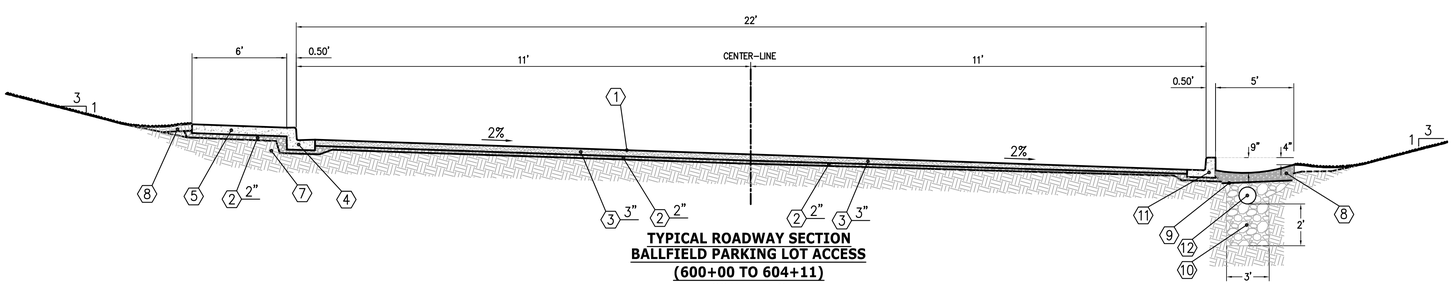
TYPICAL ROADWAY SECTION
ELWOOD/87TH (400+00 TO 405+50)
DRESDEN (500+00 TO 503+88)
SCALE: NTS



HMA RAMP
NOT TO SCALE



TYPICAL ROADWAY SECTION
87TH (405+50 TO 408+37)
SCALE: NTS



TYPICAL ROADWAY SECTION
BALLFIELD PARKING LOT ACCESS
(600+00 TO 604+11)
SCALE: NTS

No.	Release/Revision	Re. Date	Re. By
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Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22 | Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

CITY OF LAKEWOOD, WA 1996

TROY S. POKSWINSKI, STATE OF WASHINGTON, 45303, REGISTERED PROFESSIONAL ENGINEER, 4/10/23

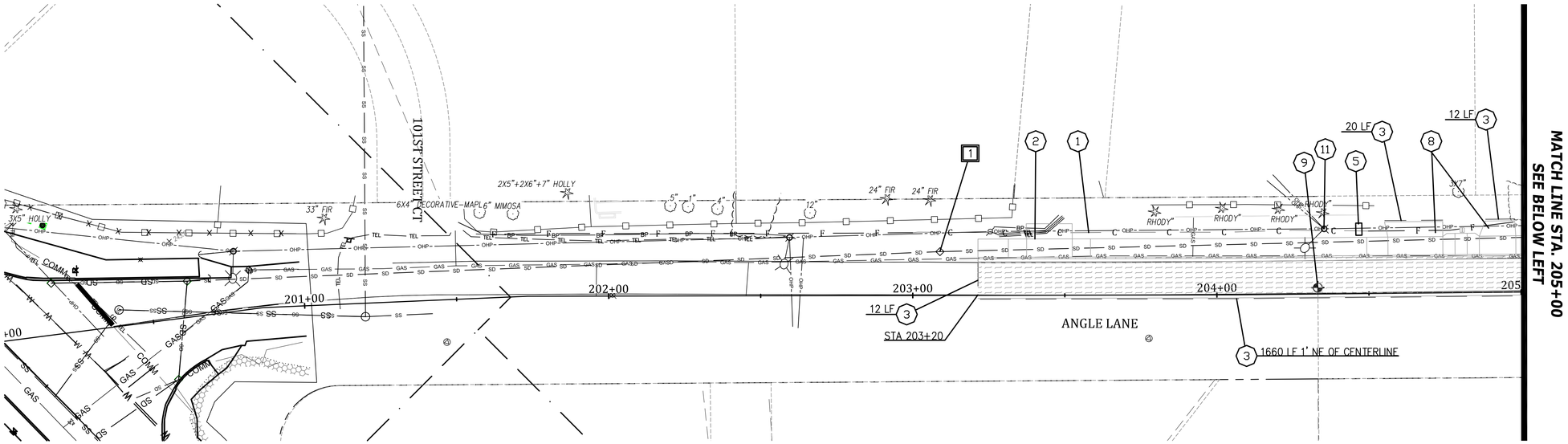
Project Name: ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

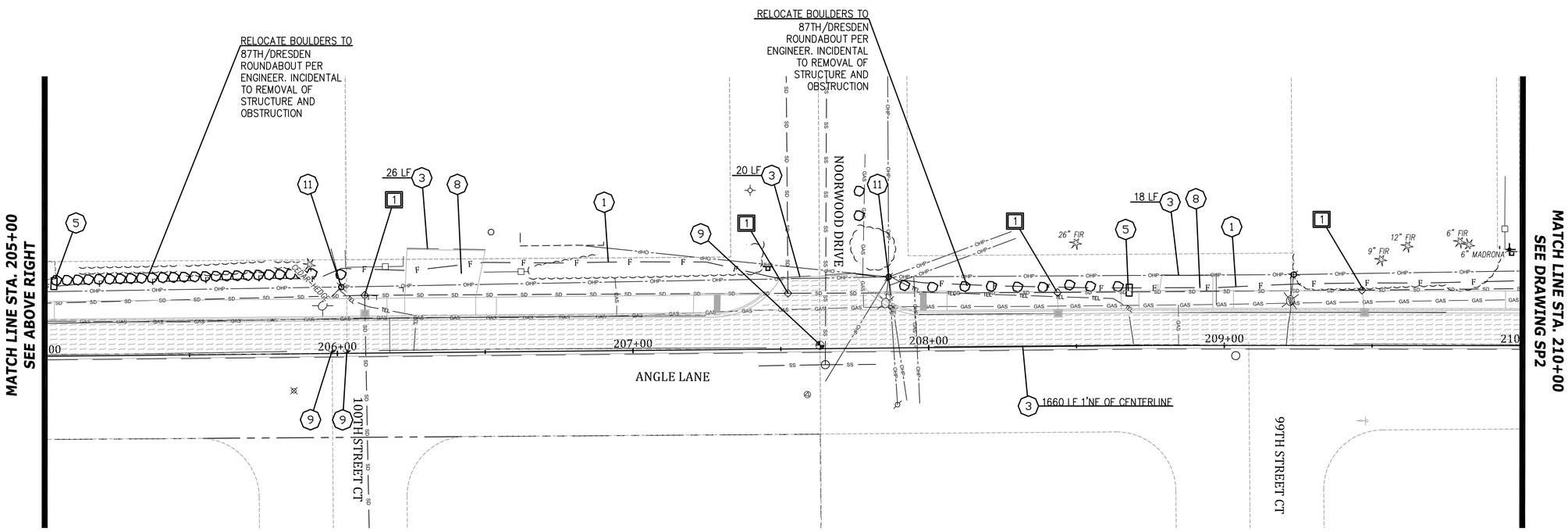
Drawing Name: ROADWAY SECTIONS

Job No. 302.0156

Drawing No. RS

Sheet 5 of 49





EROSION AND SEDIMENT CONTROL NOTES:

1. INSTALL INLET PROTECTION PER CITY OF LAKEWOOD STD PLAN SW-15

DEMOLITION LEGEND

REMOVE EXISTING ROADWAY. LIMITS SHOWN DO NOT INCLUDE DRIVEWAYS, PRIVATE ROADS, EDGE GRINDS REQUIRED TO MATCH BECAUSE ONLY SIDE OF SIDEWALK IS GOING TO BE EXTENDED, AND OTHER HMA WITHIN THE CLEARING LIMITS INCIDENTAL TO ROADWAY EXCAVATION.

SITE PREPARATION NOTES

1. PROJECT/CLEARING LIMITS
2. ADJUST EXISTING WATER VALVE BOX IN SIDEWALK. CHECK WITH LAKEWOOD WATER DISTRICT IF THEY NEED NEW BOX.
3. SAWCUT LINE
4. LOWER EXISTING SEWER MANHOLE, WATER VALVE, OR GAS VALVE PRIOR TO PAVING
5. REMOVE EXISTING MAILBOX. PROTECT AND MAINTAIN SERVICE DURING CONSTRUCTION
6. REMOVE EXISTING SIGN. SEE CH-PLANS FOR NEW LOCATION IF ANY
7. REMOVE EXISTING CATCH BASIN, SEE PP-PLANS FOR NEW LOCATION. IF RELOCATION IS UNNECESSARY, PLUG EXISTING PIPES
8. REMOVE ASPHALT OR CONCRETE DRIVEWAY APRON
9. REMOVE EXISTING MONUMENT. SEE SPECIAL PROVISIONS FOR REQUIRED PERMIT PRIOR TO REMOVAL.
10. SAVE TREE ON INITIAL CLEARING. ENGINEER TO EVALUATE FOLLOWING GRADING IF TREE CAN BE SAVED PERMANENTLY.
11. PROTECT EXISTING POWER POLE

HORIZONTAL GRAPHIC SCALE
20 10 0 10 20
FULL SIZE GRAPHIC SCALE: 1"= 20'
HALF SIZE GRAPHIC SCALE: 1"= 40'

No.	Release/Revision	Re. Date	Re. By
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Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

CITY OF LAKEWOOD, WA 1996

TROY S. POKSWINSKI
STATE OF WASHINGTON
45809
REGISTERED PROFESSIONAL ENGINEER
4/4/23

Project Name: ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

Drawing Name: SITE PREPARATION STA. 200+00 TO STA. 210+00

Job No. 302.0156

Drawing No. SP1

Sheet 6 of 49

EROSION AND SEDIMENT CONTROL NOTES:

1. INSTALL INLET PROTECTION PER CITY OF LAKEWOOD STD PLAN SW-15

DEMOLITION LEGEND

REMOVE EXISTING ROADWAY. LIMITS SHOWN DO NOT INCLUDE DRIVEWAYS, PRIVATE ROADS, EDGE GRINDS REQUIRED TO MATCH BECAUSE ONLY SIDE OF SIDEWALK IS GOING TO BE EXTENDED, AND OTHER HMA WITHIN THE CLEARING LIMITS INCIDENTAL TO ROADWAY EXCAVATION.

SITE PREPARATION NOTES

1. PROJECT/CLEARING LIMITS
2. ADJUST EXISTING WATER VALVE BOX IN SIDEWALK. CHECK WITH LAKEWOOD WATER DISTRICT IF THEY NEED NEW BOX.
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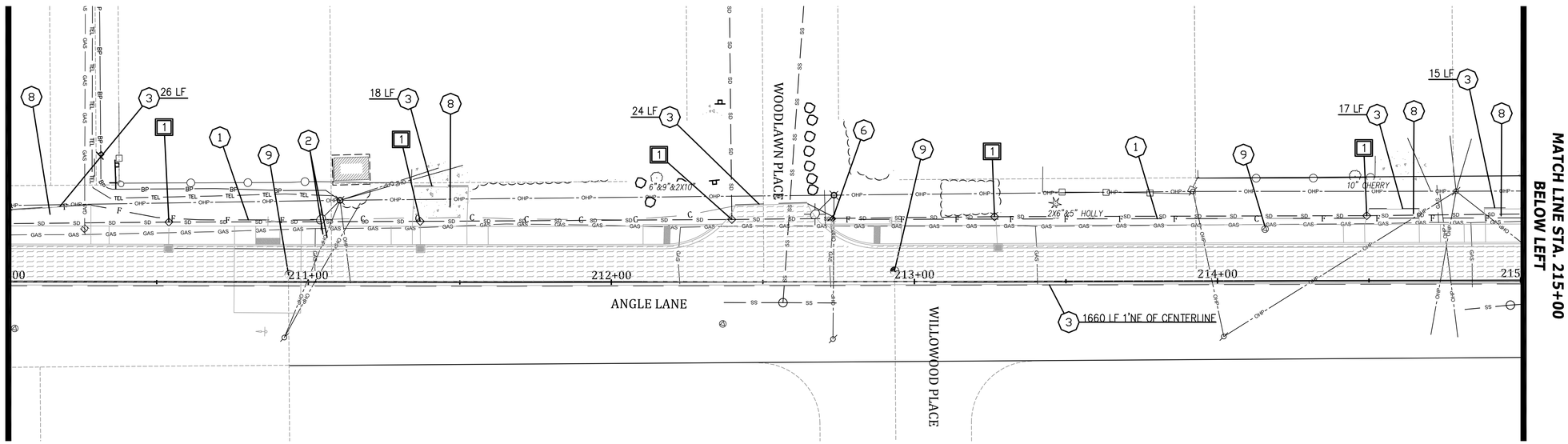
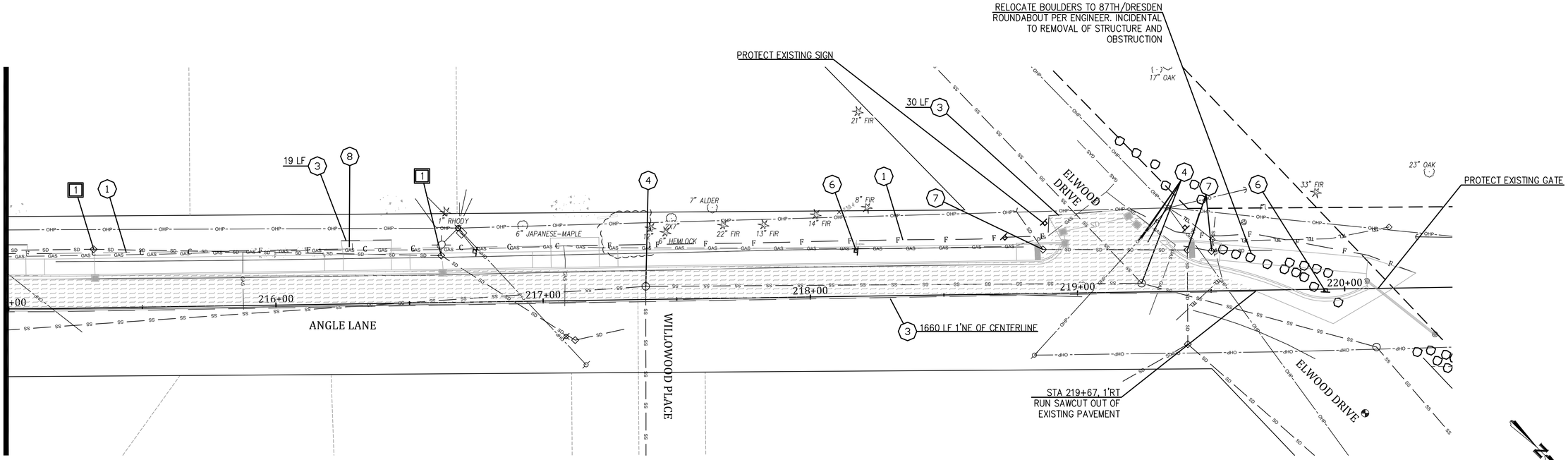
10. SAVE TREE ON INITIAL CLEARING. ENGINEER TO EVALUATE FOLLOWING GRADING IF TREE CAN BE SAVED PERMANENTLY.





HORIZONTAL GRAPHIC SCALE
20 10 0 10 20
FULL SIZE GRAPHIC SCALE: 1"= 20'
HALF SIZE GRAPHIC SCALE: 1"= 40'

No.	Release/Revision	Re. Date	Re. By
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Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

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TODD S. POKSWINSKI, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER 40023

Project Name:
ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

Drawing Name:
SITE PREPARATION STA. 210+00 TO STA. 220+00

Job No. 302.0156
Drawing No. SP2
Sheet 7 of 49

EROSION AND SEDIMENT CONTROL NOTES:

1. INSTALL INLET PROTECTION PER CITY OF LAKEWOOD STD PLAN SW-15

DEMOLITION LEGEND

REMOVE EXISTING ROADWAY. LIMITS SHOWN DO NOT INCLUDE DRIVEWAYS, PRIVATE ROADS, EDGE GRINDS REQUIRED TO MATCH BECAUSE ONLY SIDE OF SIDEWALK IS GOING TO BE EXTENDED, AND OTHER HMA WITHIN THE CLEARING LIMITS INCIDENTAL TO ROADWAY EXCAVATION.

SITE PREPARATION NOTES

1. PROJECT/CLEARING LIMITS
2. ADJUST EXISTING WATER VALVE BOX IN SIDEWALK. CHECK WITH LAKEWOOD WATER DISTRICT IF THEY NEED NEW BOX.
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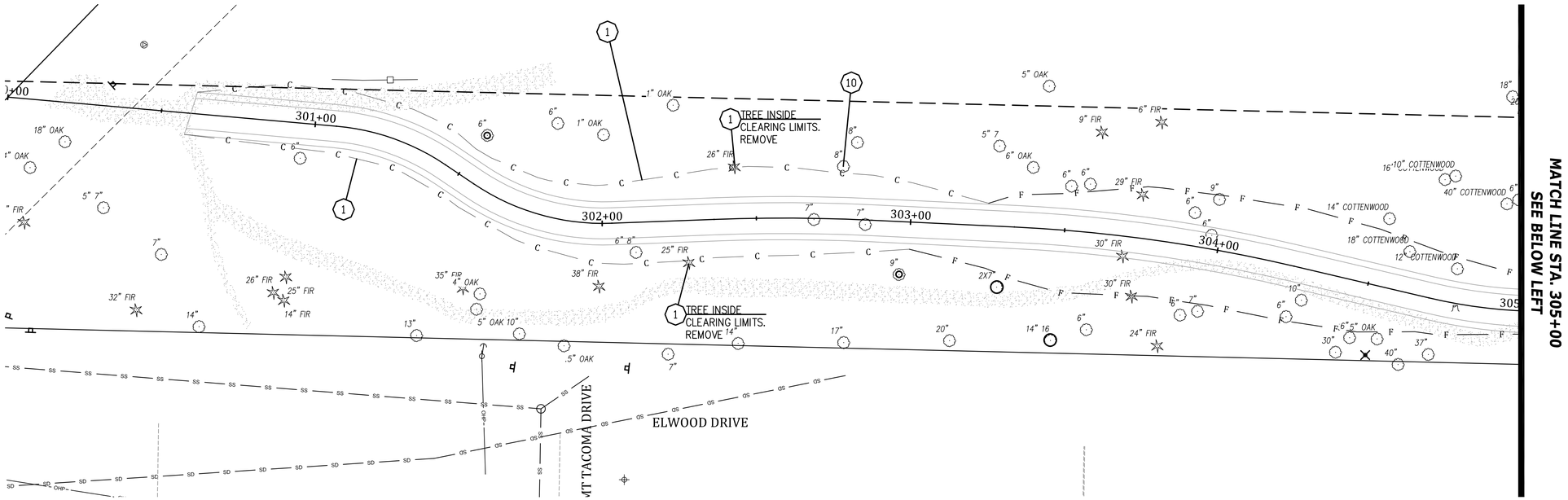
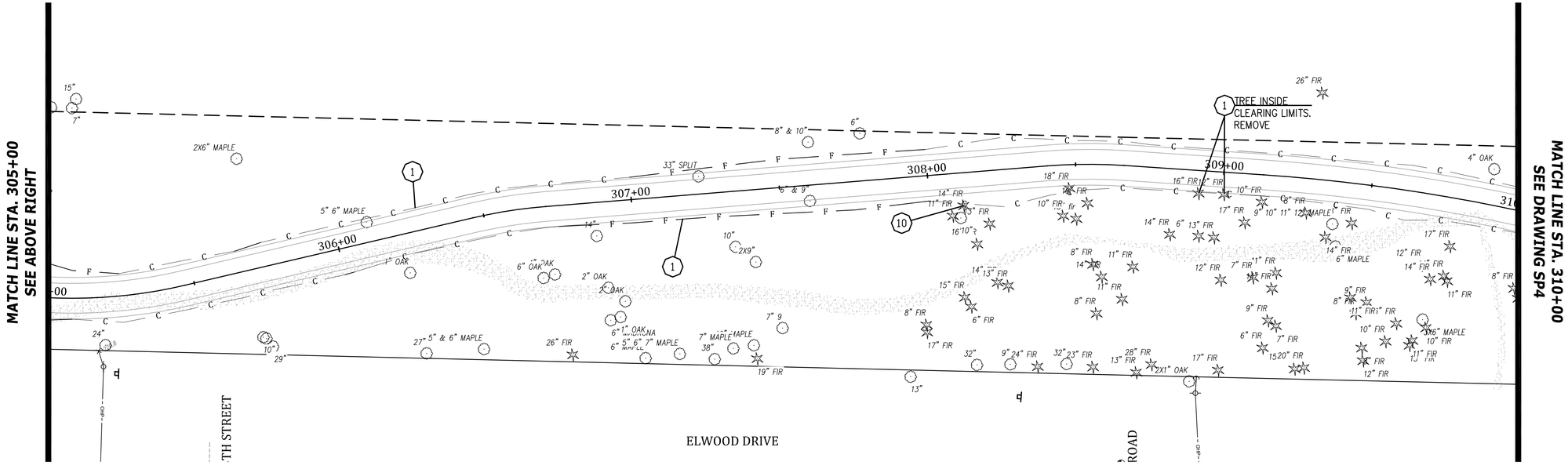
10. SAVE TREE ON INITIAL CLEARING. ENGINEER TO EVALUATE FOLLOWING GRADING IF TREE CAN BE SAVED PERMANENTLY.





HORIZONTAL GRAPHIC SCALE
20 10 0 10 20
FULL SIZE GRAPHIC SCALE: 1"= 20'
HALF SIZE GRAPHIC SCALE: 1"= 40'

No.	Release/Revision	Re. Date	Re. By

Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

CITY OF LAKEWOOD, WA 1996

TODD S. POKSWINSKI STATE OF WASHINGTON 40023 REGISTERED PROFESSIONAL ENGINEER 4/10/23

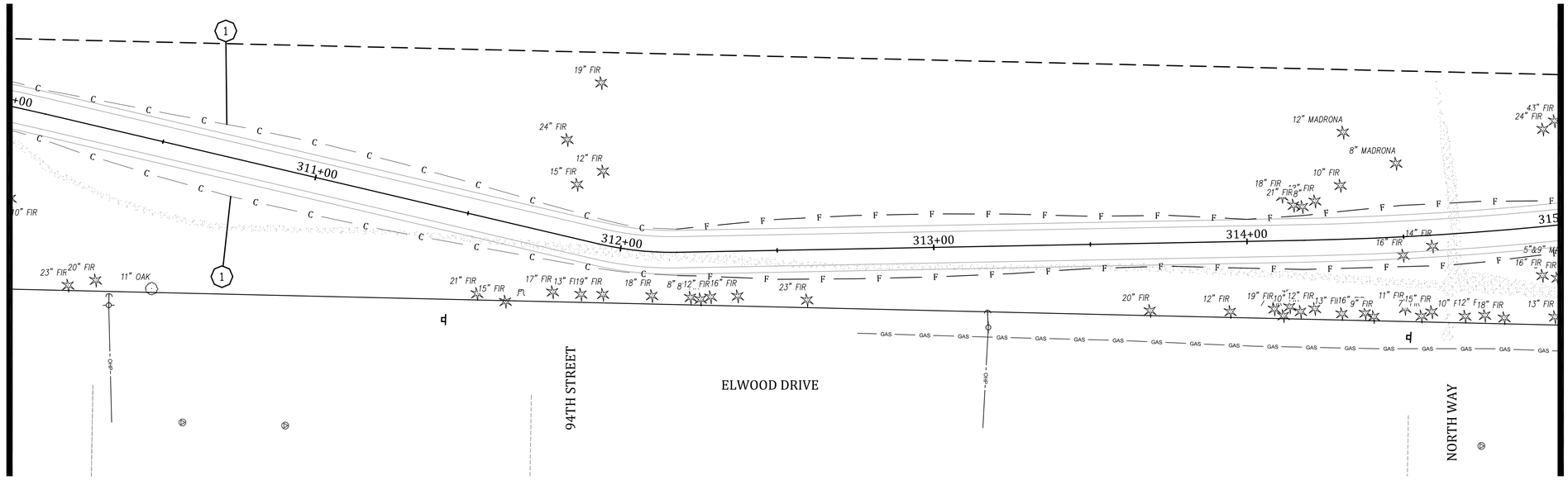
Project Name: ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

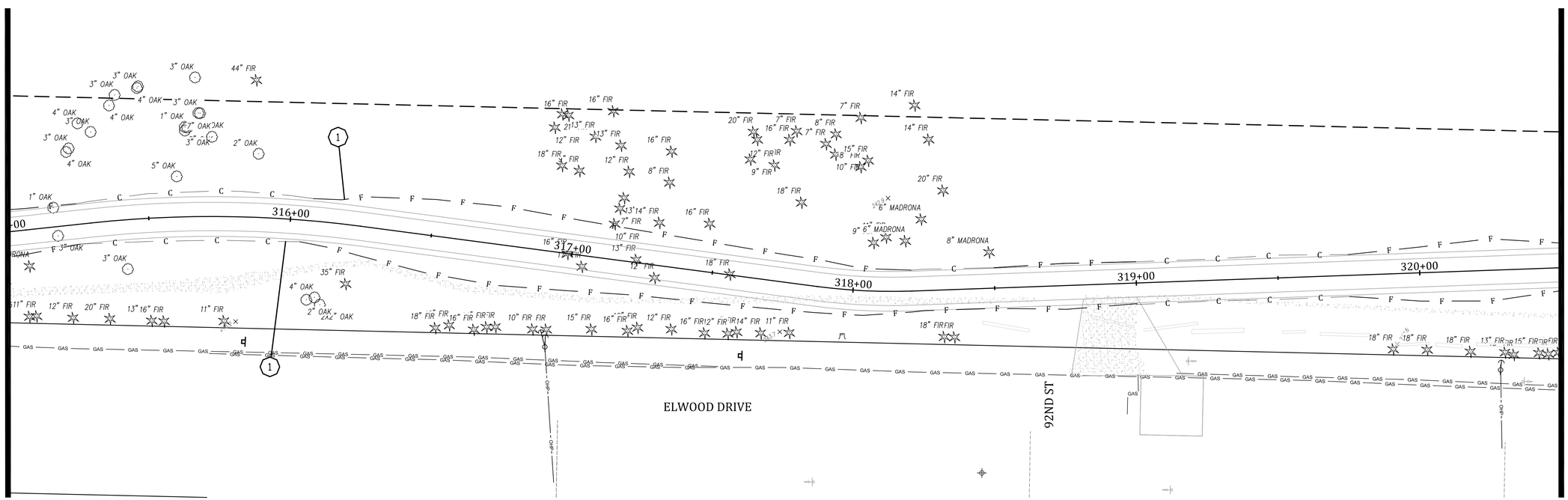
Drawing Name: SITE PREPARATION STA. 300+00 TO STA. 310+00

Job No. 302.0156

Drawing No. SP3

Sheet 8 of 49





EROSION AND SEDIMENT CONTROL NOTES:

1. INSTALL INLET PROTECTION PER CITY OF LAKEWOOD STD PLAN SW-15

DEMOLITION LEGEND

REMOVE EXISTING ROADWAY. LIMITS SHOWN DO NOT INCLUDE DRIVEWAYS, PRIVATE ROADS, EDGE GRINDS REQUIRED TO MATCH BECAUSE ONLY SIDE OF SIDEWALK IS GOING TO BE EXTENDED, AND OTHER HMA WITHIN THE CLEARING LIMITS INCIDENTAL TO ROADWAY EXCAVATION.

SITE PREPARATION NOTES

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HORIZONTAL GRAPHIC SCALE
20 10 0 10 20
FULL SIZE GRAPHIC SCALE: 1"= 20'
HALF SIZE GRAPHIC SCALE: 1"= 40'

No.	Release/Revision	Re. Date	Re. By
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Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22 | Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

CITY OF LAKEWOOD, WA 1996

TROY S. POKSWINSKI, STATE OF WASHINGTON, 45303, REGISTERED PROFESSIONAL ENGINEER, 4/10/23

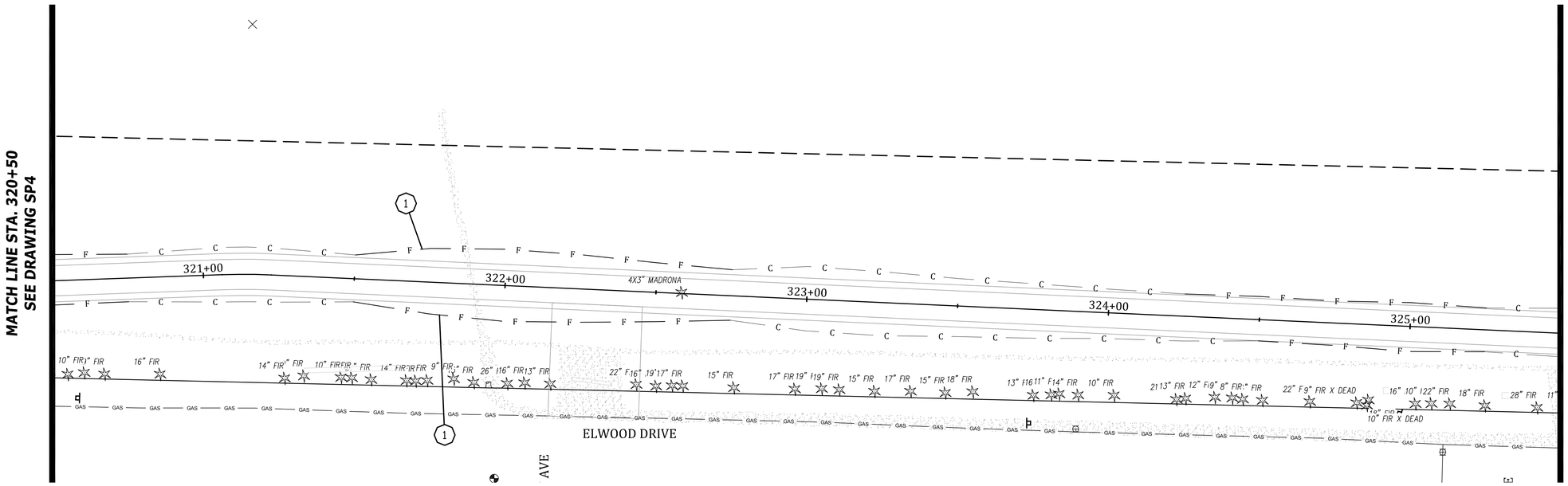
Project Name: ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

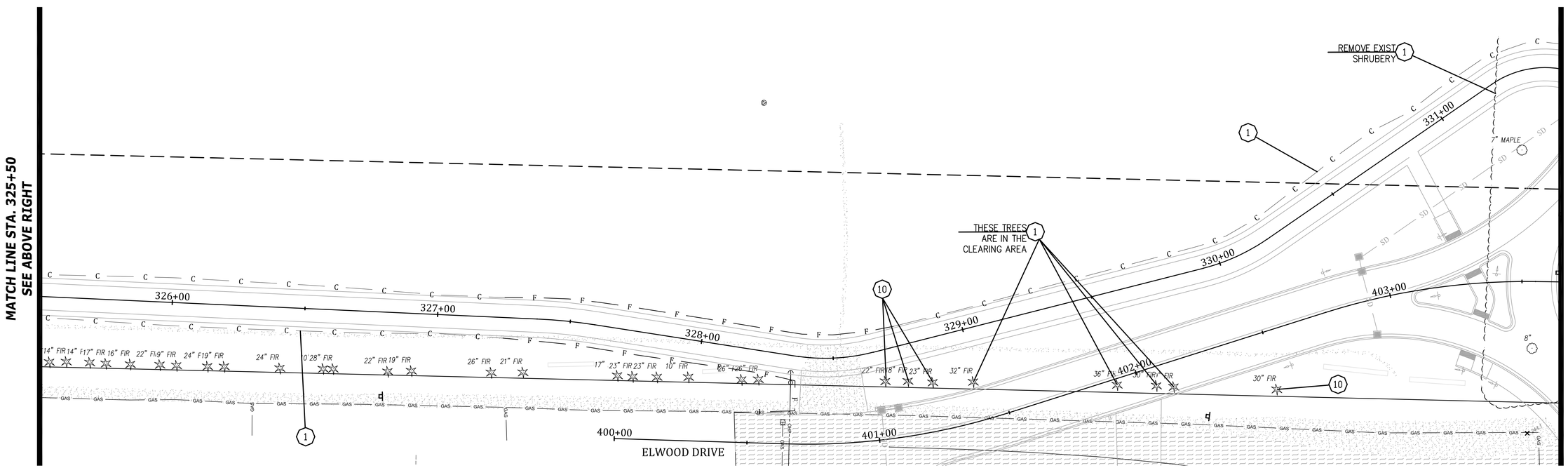
Drawing Name: SITE PREPARATION STA. 310+00 TO STA. 320+50

Job No. 302.0156

Drawing No. SP4

Sheet 9 of 49





EROSION AND SEDIMENT CONTROL NOTES:

1. INSTALL INLET PROTECTION PER CITY OF LAKEWOOD STD PLAN SW-15

DEMOLITION LEGEND

REMOVE EXISTING ROADWAY. LIMITS SHOWN DO NOT INCLUDE DRIVEWAYS, PRIVATE ROADS, EDGE GRINDS REQUIRED TO MATCH BECAUSE ONLY SIDE OF SIDEWALK IS GOING TO BE EXTENDED, AND OTHER HMA WITHIN THE CLEARING LIMITS INCIDENTAL TO ROADWAY EXCAVATION.

SITE PREPARATION NOTES

1. PROJECT/CLEARING LIMITS
2. ADJUST EXISTING WATER VALVE BOX IN SIDEWALK. CHECK WITH LAKEWOOD WATER DISTRICT IF THEY NEED NEW BOX.
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HORIZONTAL GRAPHIC SCALE
20 10 0 10 20
FULL SIZE GRAPHIC SCALE: 1"= 20'
HALF SIZE GRAPHIC SCALE: 1"= 40'

No.	Release/Revision	Re. Date	Re. By

Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

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TADY S. POKSWINSKI
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER
4/4/23

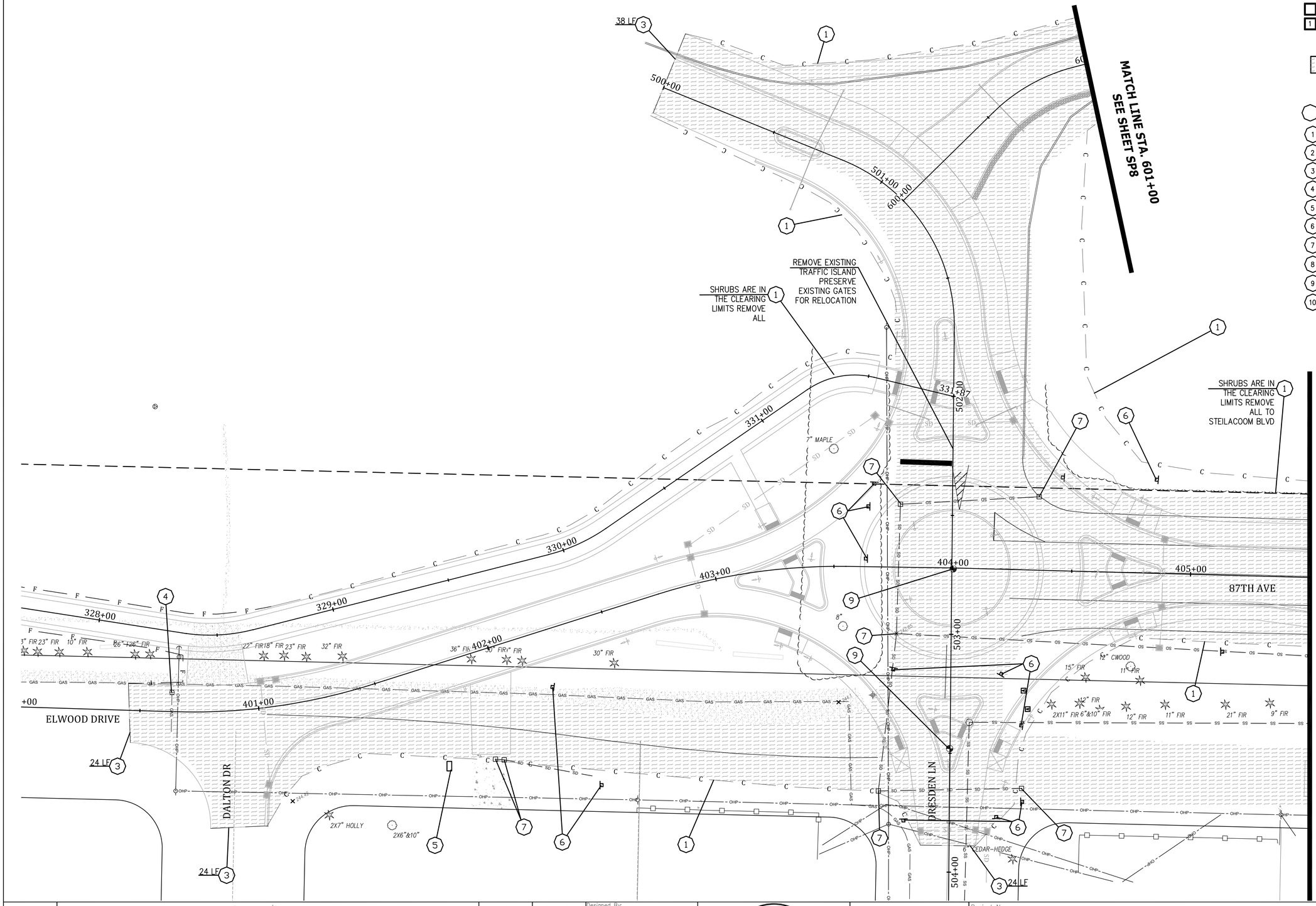
Project Name: ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

Drawing Name: SITE PREPARATION STA. 320+50 TO STA. 331+50

Job No. 302.0156

Drawing No. SP5

Sheet 10 of 49



EROSION AND SEDIMENT CONTROL NOTES:

1. INSTALL INLET PROTECTION PER CITY OF LAKEWOOD STD PLAN SW-15

DEMOLITION LEGEND

REMOVE EXISTING ROADWAY. LIMITS SHOWN DO NOT INCLUDE DRIVEWAYS, PRIVATE ROADS, EDGE GRINDS REQUIRED TO MATCH BECAUSE ONLY SIDE OF SIDEWALK IS GOING TO BE EXTENDED, AND OTHER HMA WITHIN THE CLEARING LIMITS INCIDENTAL TO ROADWAY EXCAVATION.

SITE PREPARATION NOTES

1. PROJECT/CLEARING LIMITS
2. ADJUST EXISTING WATER VALVE BOX IN SIDEWALK. CHECK WITH LAKEWOOD WATER DISTRICT IF THEY NEED NEW BOX.
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HORIZONTAL GRAPHIC SCALE
20 10 0 10 20
FULL SIZE GRAPHIC SCALE: 1"= 20'
HALF SIZE GRAPHIC SCALE: 1"= 40'

No.	Release/Revision	Re. Date	Re. By

Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

CITY OF LAKEWOOD, WA 1996

TROY S. POKSWINSKI
STATE OF WASHINGTON
45309
REGISTERED PROFESSIONAL ENGINEER
4/10/23

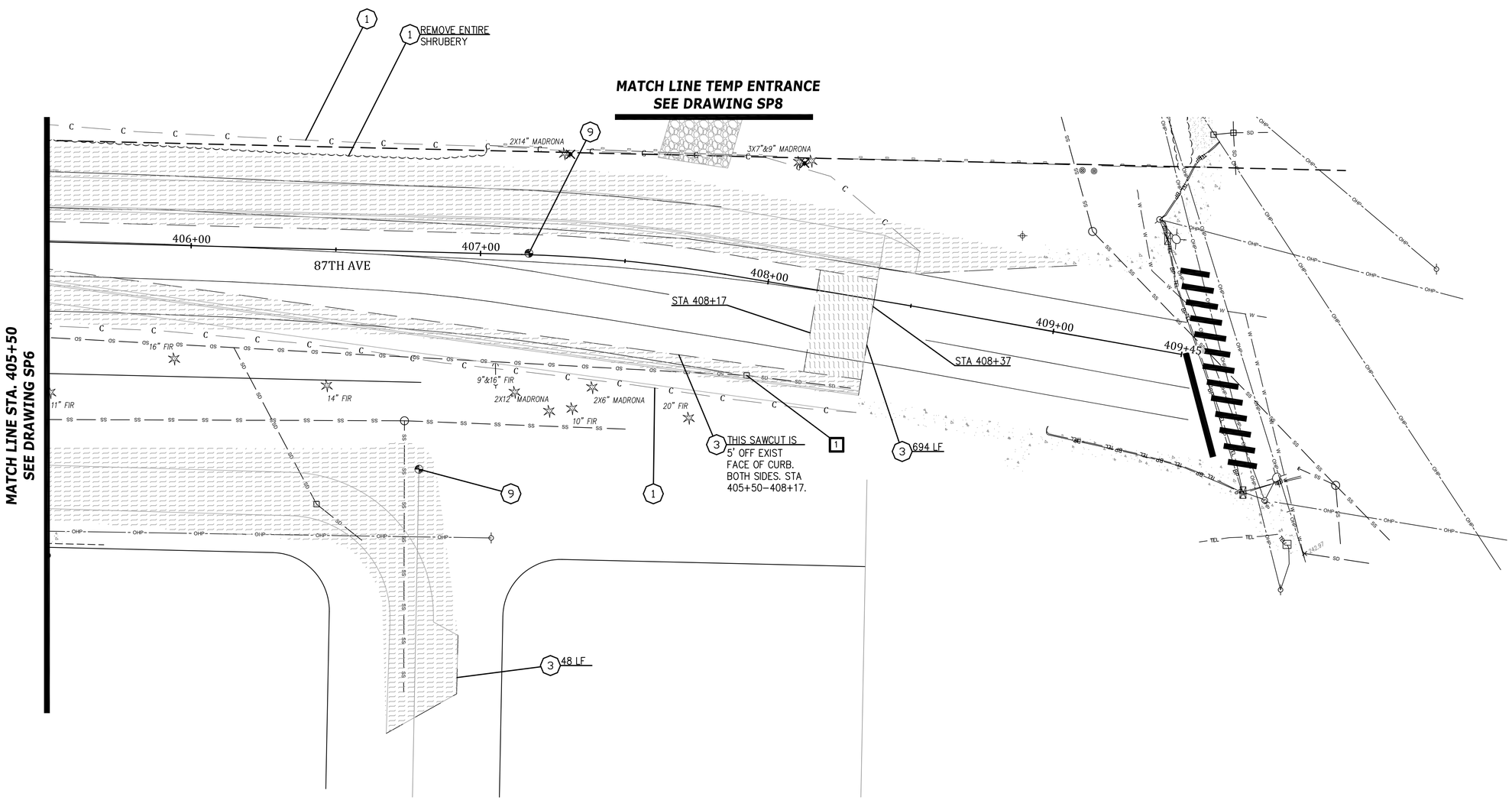
Project Name: ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

Drawing Name: SITE PREPARATION STA 400+00-405+50

Job No. 302.0156

Drawing No. SP6

Sheet 11 of 49



EROSION AND SEDIMENT CONTROL NOTES:

1. INSTALL INLET PROTECTION PER CITY OF LAKEWOOD STD PLAN SW–15

DEMOLITION LEGEND

REMOVE EXISTING ROADWAY. LIMITS SHOWN DO NOT INCLUDE DRIVEWAYS, PRIVATE ROADS, EDGE GRINDS REQUIRED TO MATCH BECAUSE ONLY SIDE OF SIDEWALK IS GOING TO BE EXTENDED, AND OTHER HMA WITHIN THE CLEARING LIMITS INCIDENTAL TO ROADWAY EXCAVATION.

SITE PREPARATION NOTES

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HORIZONTAL GRAPHIC SCALE
20 10 0 10 20
FULL SIZE GRAPHIC SCALE: 1"= 20'
HALF SIZE GRAPHIC SCALE: 1"= 40'

No.	Release/Revision	Re. Date	Re. By
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Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22 | Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

CITY OF LAKEWOOD, WA ®1996®

TRUDY S. POKSWINSKI STATE OF WASHINGTON 45811 REGISTERED PROFESSIONAL ENGINEER 4/4/23

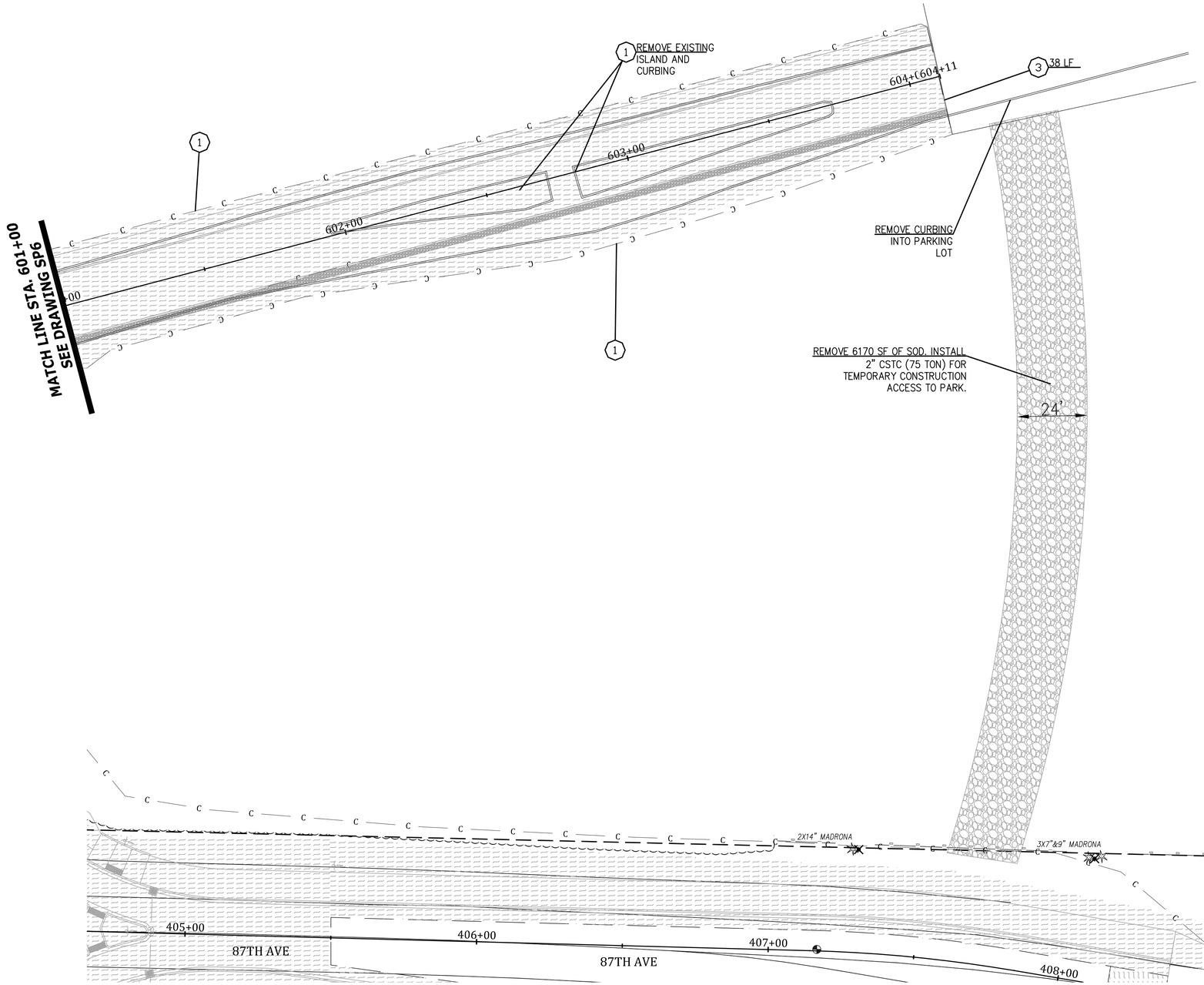
Project Name: ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

Drawing Name: SITE PREPARATION STA. 405+50 TO STA. 409+45

Job No. 302.0156

Drawing No. SP7

Sheet 12 of 49



EROSION AND SEDIMENT CONTROL NOTES:

1. INSTALL INLET PROTECTION PER CITY OF LAKEWOOD STD PLAN SW-15

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HORIZONTAL GRAPHIC SCALE
20 10 0 10 20
FULL SIZE GRAPHIC SCALE: 1"= 20'
HALF SIZE GRAPHIC SCALE: 1"= 40'

No.	Release/Revision	Re. Date	Re. By
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Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

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TROY S. POKSWINSKI STATE OF WASHINGTON 40023 REGISTERED PROFESSIONAL ENGINEER 4/10/23

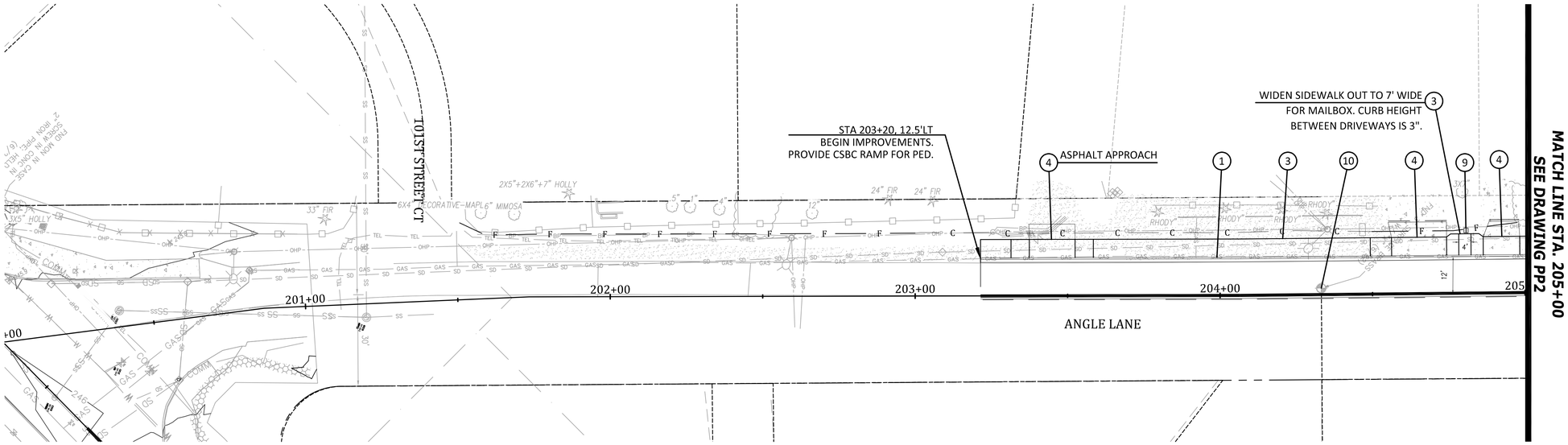
Project Name: ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

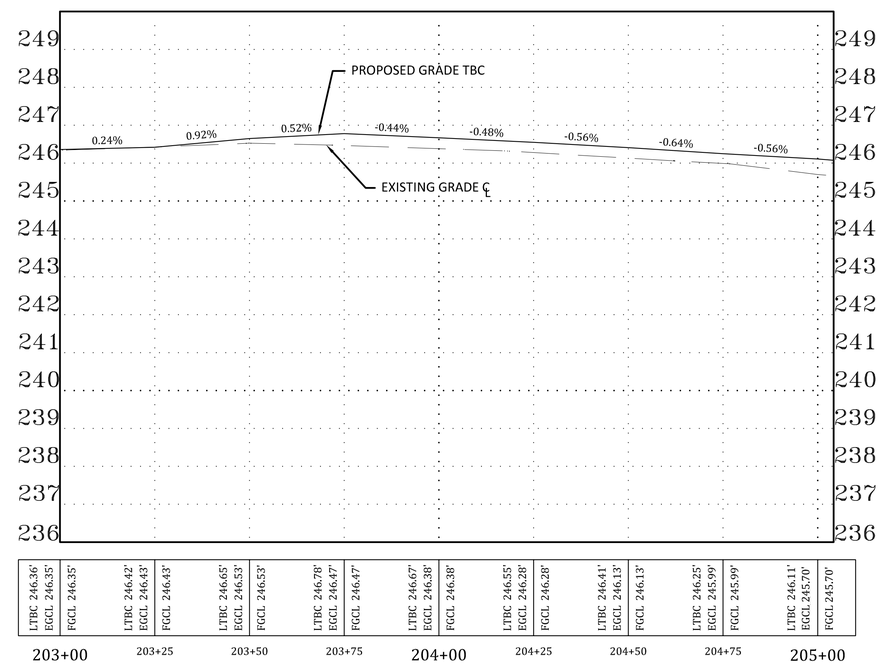
Drawing Name: SITE PREPARATION STA. 601+00 TO STA. 604+11

Job No. 302.0156

Drawing No. SP8

Sheet 13 of 49





CONSTRUCTION NOTES

1. CEMENT CONC. TRAFFIC CURB AND GUTTER PER CITY OF LAKEWOOD STD PLAN FR-04
2. CEMENT CONC. PEDESTRIAN CURB PER CITY OF LAKEWOOD STD PLAN FR-04
3. CEMENT CONC. SIDEWALK PER CITY OF LAKEWOOD STD PLAN FR-03
4. CEMENT CONC. DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STD PLAN F-80.10-04
5. CEMENT CONC. CURB RAMP TYPE PARALLEL PER WSDOT STD PLAN F-40.12-03
6. ADJUST MANHOLE PER PIERCE COUNTY STD DETAIL 1002A
7. HMA RAMP PER DETAIL ON SHEET 5
8. CEMENT CONC. CURB RAMP TYPE SINGLE DIRECTION PER WSDOT STD PLAN F-40.16-03
9. INSTALL MAILBOX PER WSDOT STD PLAN H-70.10-02
10. INSTALL MONUMENT PER CITY OF LAKEWOOD STD PLAN MI-02
11. ADJUST VALVE BOX. OBTAIN NEW BOX FROM LAKEWOOD WATER DISTRICT OR PSE
12. INSTALL GATES PER DETAIL DRAWING DT2

STORM DRAINAGE NOTES

1. INSTALL TYPE 1 CB PER WSDOT STD PLAN B-5.20-03
2. INSTALL TYPE 1P CB PER COL STD PLAN SW-03
3. INFILTRATION TRENCH PER COL STD PLAN SW-03
4. ADJUST CATCH BASIN TO FINISH GRADE
5. INSTALL SD PIPE PER TYPE AND SLOPE SHOWN
6. ADJUST CB WITH NEW THRU CURB INLET LID
7. CONNECT TO EXISTING STORM SEWER PIPE/CB

GENERAL NOTES

1. ALIGNMENT AND STATIONING PER SURVEYED MONUMENTS, SEE SHEETS 3-4
2. CURB ELEVATIONS ARE TO TOP BACK OF CURB

DRIVEWAY SCHEDULE

ALIGNMENT	STATION	OFFSET	WIDTH	SAWCUT (BACK OF WALK)
ANGLE	203+45	12.5'LT	15'	5.0'
ANGLE	204+65	12.5'LT	18'	5.0'
ANGLE	204+92	12.5'LT	12'	5.0'
DRIVEWAY CENTERLINE STATION AND BACK OF CURB OFFSET				
DRIVEWAY APPROACHES ARE CONCRETE UNLESS NOTED				

VERTICAL GRAPHIC SCALE
FULL SIZE GRAPHIC SCALE: 1"= 2'
HALF SIZE GRAPHIC SCALE: 1"= 4'

HORIZONTAL GRAPHIC SCALE
FULL SIZE GRAPHIC SCALE: 1"= 20'
HALF SIZE GRAPHIC SCALE: 1"= 40'

No.	Release/Revision	Re. Date	Re. By

Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

CITY OF LAKEWOOD, WA 1996

TROY S. POKSWINSKI, STATE OF WASHINGTON, 45879, REGISTERED PROFESSIONAL ENGINEER, 4/10/23

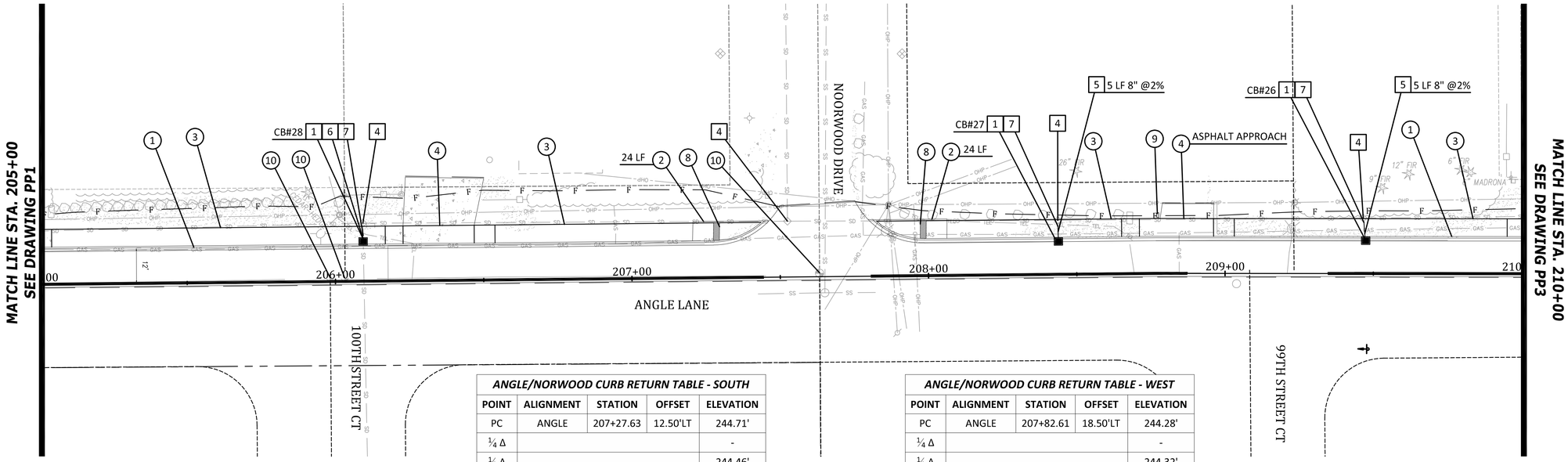
Project Name: ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

Drawing Name: PLAN AND PROFILE STA. 200+00 TO STA. 205+00

Job No. 302.0156

Drawing No. PP1

Sheet 14 of 49



ANGLE/NORWOOD CURB RETURN TABLE - SOUTH				
POINT	ALIGNMENT	STATION	OFFSET	ELEVATION
PC	ANGLE	207+27.63	12.50'LT	244.71'
¼ Δ				-
½ Δ				244.46'
¾ Δ				-
PT	ANGLE	207+43.69	18.50'LT	244.33'
CURVE DATA	Δ = 40° 57' 56.6"		T = 9.15'	
	R = 24.50'		L = 17.52'	
TOP BACK OF CURB ELEVATION, RADIUS AND OFFSET				

ANGLE/NORWOOD CURB RETURN TABLE - WEST				
POINT	ALIGNMENT	STATION	OFFSET	ELEVATION
PC	ANGLE	207+82.61	18.50'LT	244.28'
¼ Δ				-
½ Δ				244.32'
¾ Δ				-
PT	ANGLE	207+98.67	12.50'LT	244.36'
CURVE DATA	Δ = 40° 57' 56.6"		T = 9.15'	
	R = 24.50'		L = 17.52'	
TOP BACK OF CURB ELEVATION, RADIUS AND OFFSET				

CONSTRUCTION NOTES

1. CEMENT CONC. TRAFFIC CURB AND GUTTER PER CITY OF LAKEWOOD STD PLAN FR-04
2. CEMENT CONC. PEDESTRIAN CURB PER CITY OF LAKEWOOD STD PLAN FR-04
3. CEMENT CONC. SIDEWALK PER CITY OF LAKEWOOD STD PLAN FR-03
4. CEMENT CONC. DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STD PLAN F-80.10-04
5. CEMENT CONC. CURB RAMP TYPE PARALLEL PER WSDOT STD PLAN F-40.12-03
6. ADJUST MANHOLE PER PIERCE COUNTY STD DETAIL 1002A
7. HMA RAMP PER DETAIL ON SHEET 5
8. CEMENT CONC. CURB RAMP TYPE SINGLE DIRECTION PER WSDOT STD PLAN F-40.16-03
9. INSTALL MAILBOX PER WSDOT STD PLAN H-70.10-02
10. INSTALL MONUMENT PER CITY OF LAKEWOOD STD PLAN MI-02
11. ADJUST VALVE BOX. OBTAIN NEW BOX FROM LAKEWOOD WATER DISTRICT OR PSE
12. INSTALL GATES PER DETAIL DRAWING DT2

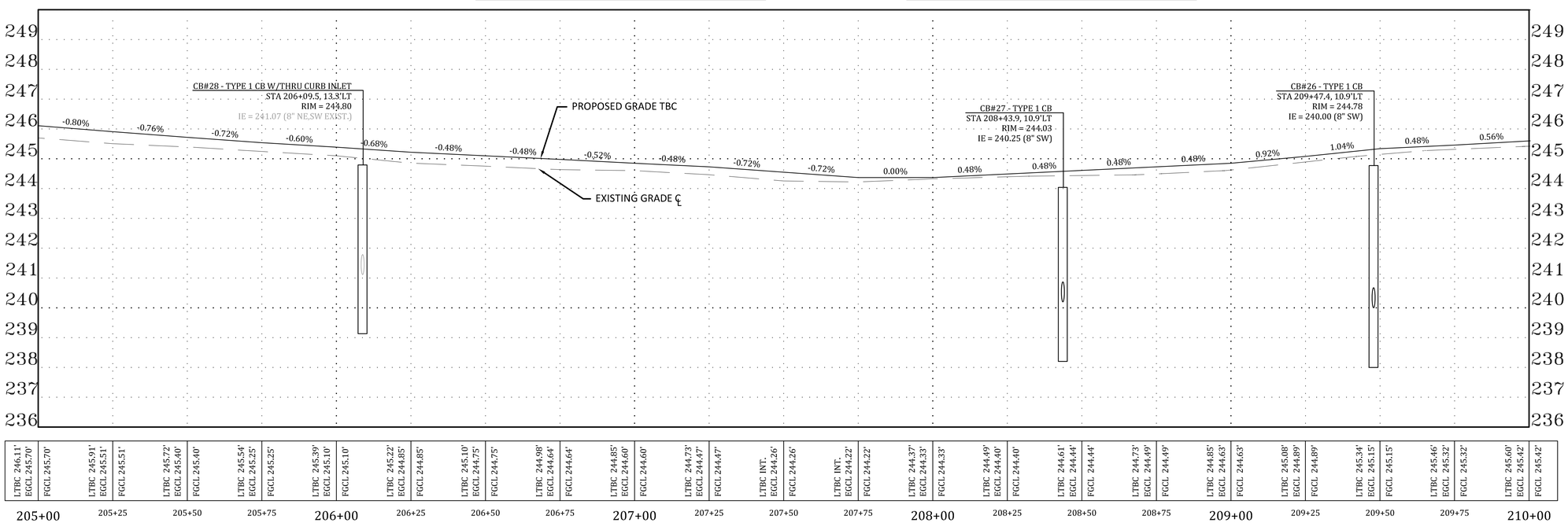
STORM DRAINAGE NOTES

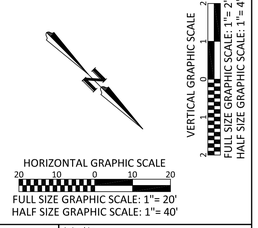
1. INSTALL TYPE 1 CB PER WSDOT STD PLAN B-5.20-03
2. INSTALL TYPE 1P CB PER COL STD PLAN SW-03
3. INFILTRATION TRENCH PER COL STD PLAN SW-03
4. ADJUST CATCH BASIN TO FINISH GRADE
5. INSTALL SD PIPE PER TYPE AND SLOPE SHOWN
6. ADJUST CB WITH NEW THRU CURB INLET LID
7. CONNECT TO EXISTING STORM SEWER PIPE/CB

GENERAL NOTES

1. ALIGNMENT AND STATIONING PER SURVEYED MONUMENTS, SEE SHEETS 3-4
2. CURB ELEVATIONS ARE TO TOP BACK OF CURB

DRIVEWAY SCHEDULE				
ALIGNMENT	STATION	OFFSET	WIDTH	SAWCUT (BACK OF WALK)
ANGLE	206+35	12.5'LT	24'	5.0'
ANGLE	208+84	12.5'LT	25'	5.0'
DRIVEWAY CENTERLINE STATION AND BACK OF CURB OFFSET				
DRIVEWAY APPROACHES ARE CONCRETE UNLESS NOTED				





No.	Release/Revision	Re. Date	Re. By
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Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

CITY OF LAKEWOOD, WA 1996

TROY S. POKSWINSKI STATE OF WASHINGTON 45379 REGISTERED PROFESSIONAL ENGINEER 4/10/23

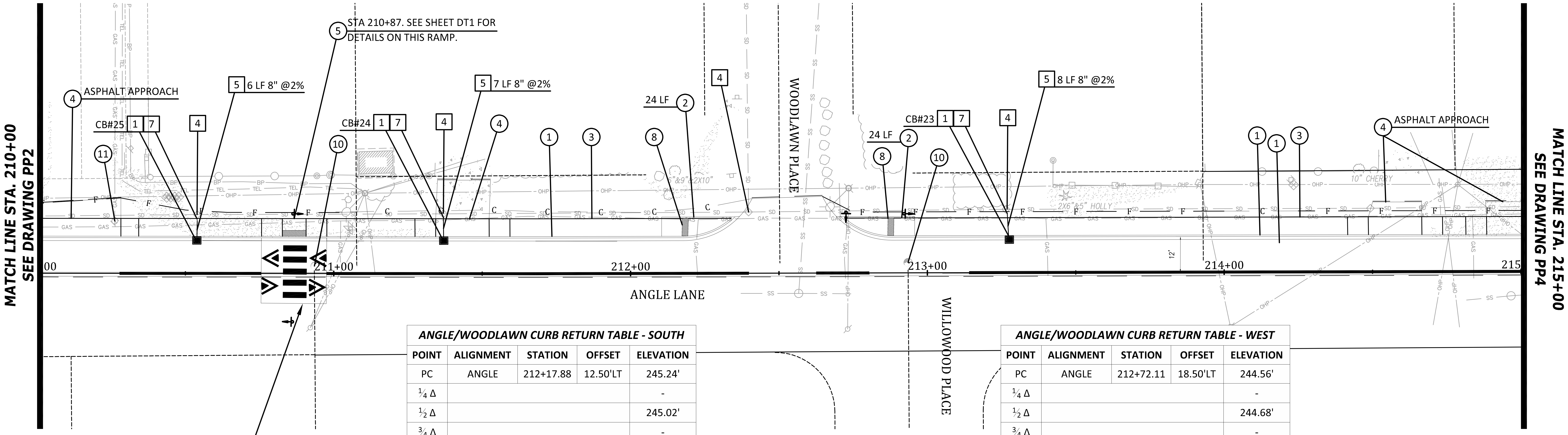
Project Name: ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

Drawing Name: PLAN AND PROFILE STA. 205+00 TO STA. 210+00

Job No. 302.0156

Drawing No. PP2

Sheet 15 of 49



ANGLE/WOODLAWN CURB RETURN TABLE - SOUTH				
POINT	ALIGNMENT	STATION	OFFSET	ELEVATION
PC	ANGLE	212+17.88	12.50'LT	245.24'
¼ Δ				-
½ Δ				245.02'
¾ Δ				-
PT	ANGLE	212+33.94	18.50'LT	244.86'
CURVE DATA	Δ = 40° 57' 56.6"		T = 9.15'	
	R = 24.50'		L = 17.52'	
TOP BACK OF CURB ELEVATION, RADIUS AND OFFSET				

ANGLE/WOODLAWN CURB RETURN TABLE - WEST				
POINT	ALIGNMENT	STATION	OFFSET	ELEVATION
PC	ANGLE	212+72.11	18.50'LT	244.56'
¼ Δ				-
½ Δ				244.68'
¾ Δ				-
PT	ANGLE	212+88.17	12.50'LT	244.71'
CURVE DATA	Δ = 40° 57' 56.6"		T = 9.15'	
	R = 24.50'		L = 17.52'	
TOP BACK OF CURB ELEVATION, RADIUS AND OFFSET				

○ CONSTRUCTION NOTES

1 CEMENT CONC. TRAFFIC CURB AND GUTTER PER CITY OF LAKEWOOD STD PLAN FR-04
2 CEMENT CONC. PEDESTRIAN CURB PER CITY OF LAKEWOOD STD PLAN FR-04
3 CEMENT CONC. SIDEWALK PER CITY OF LAKEWOOD STD PLAN FR-03
4 CEMENT CONC. DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STD PLAN F-80.10-04
5 CEMENT CONC. CURB RAMP TYPE PARALLEL PER WSDOT STD PLAN F-40.12-03
6 ADJUST MANHOLE PER PIERCE COUNTY STD DETAIL 1002A
7 HMA RAMP PER DETAIL ON SHEET 5
8 CEMENT CONC. CURB RAMP TYPE SINGLE DIRECTION PER WSDOT STD PLAN F-40.16-03
9 INSTALL MAILBOX PER WSDOT STD PLAN H-70.10-02
10 INSTALL MONUMENT PER CITY OF LAKEWOOD STD PLAN MI-02
11 ADJUST VALVE BOX. OBTAIN NEW BOX FROM LAKEWOOD WATER DISTRICT OR PSE
12 INSTALL GATES PER DETAIL DRAWING DT2

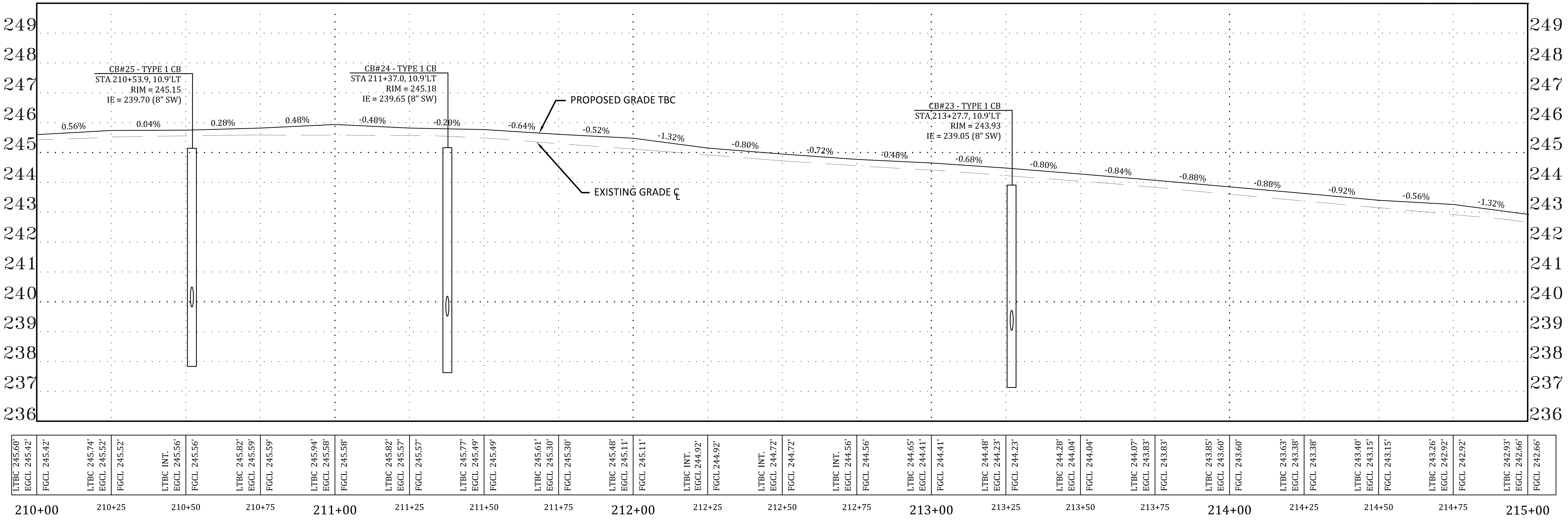
☐ STORM DRAINAGE NOTES

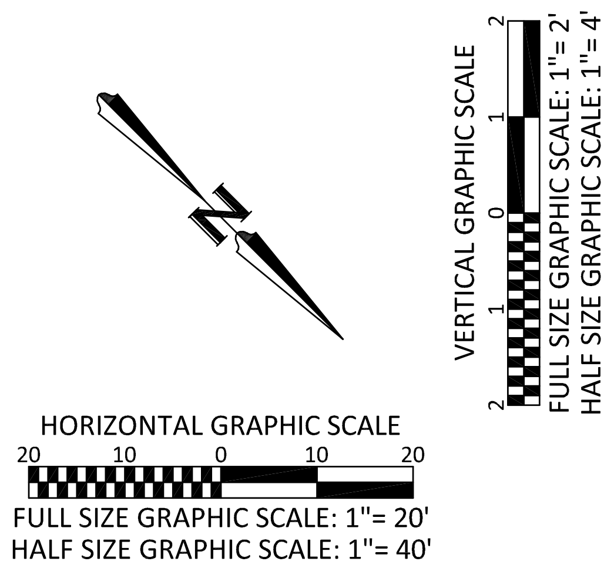
1 INSTALL TYPE 1 CB PER WSDOT STD PLAN B-5.20-03
2 INSTALL TYPE 1P CB PER COL STD PLAN SW-03
3 INFILTRATION TRENCH PER COL STD PLAN SW-03
4 ADJUST CATCH BASIN TO FINISH GRADE
5 INSTALL SD PIPE PER TYPE AND SLOPE SHOWN
6 ADJUST CB WITH NEW THRU CURB INLET LID
7 CONNECT TO EXISTING STORM SEWER PIPE/CB

GENERAL NOTES

1 ALIGNMENT AND STATIONING PER SURVEYED MONUMENTS, SEE SHEETS 3-4
2 CURB ELEVATIONS ARE TO TOP BACK OF CURB

DRIVEWAY SCHEDULE				
ALIGNMENT	STATION	OFFSET	WIDTH	SAWCUT (BACK OF WALK)
ANGLE	210+16	12.5'LT	28'	5.0'
ANGLE	211+44	12.5'LT	18'	13.0'
ANGLE	214+58	12.5'LT	18'	5.0'
ANGLE	215+00	12.5'LT	18'	5.0'
DRIVEWAY CENTERLINE STATION AND BACK OF CURB OFFSET				
DRIVEWAY APPROACHES ARE CONCRETE UNLESS NOTED				





No.	Release/Revision	Re. Date	Re. By
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Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

TROY S. POKSWINSKI

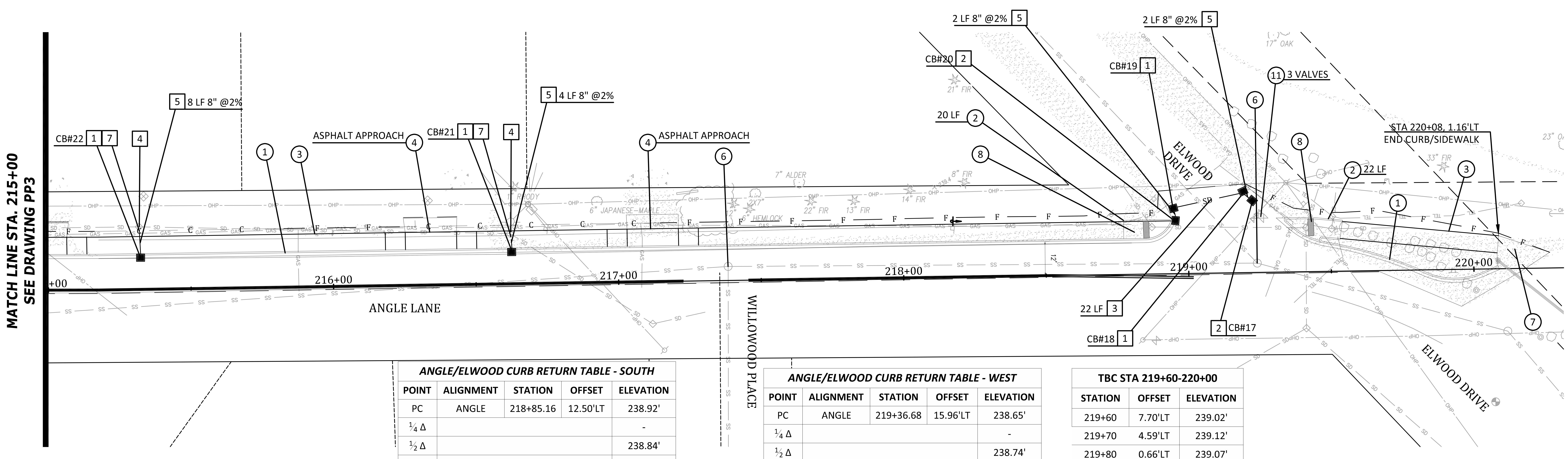
Project Name:
ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

Drawing Name:
PLAN AND PROFILE STA. 210+00 TO STA. 215+00

Job No.
302.0156

Drawing No.
PP3

Sheet 16 of 49



ANGLE/ELWOOD CURB RETURN TABLE - SOUTH				
POINT	ALIGNMENT	STATION	OFFSET	ELEVATION
PC	ANGLE	218+85.16	12.50'LT	238.92'
¼ Δ				-
½ Δ				238.84'
¾ Δ				-
PT	ANGLE	218+93.99	18.50'LT	238.77'
CURVE DATA	Δ = 68° 22' 54.2"		T = 6.45'	
	R = 9.50'		L = 11.34'	
TOP BACK OF CURB ELEVATION, RADIUS AND OFFSET				

ANGLE/ELWOOD CURB RETURN TABLE - WEST				
POINT	ALIGNMENT	STATION	OFFSET	ELEVATION
PC	ANGLE	219+36.68	15.96'LT	238.65'
¼ Δ				-
½ Δ				238.74'
¾ Δ				-
PT	ANGLE	219+48.49	10.26'LT	238.89'
CURVE DATA	Δ = 31° 01' 32.5"		T = 6.80'	
	R = 24.50'		L = 13.27'	
TOP BACK OF CURB ELEVATION, RADIUS AND OFFSET				

TBC STA 219+60-220+00		
STATION	OFFSET	ELEVATION
219+60	7.70'LT	239.02'
219+70	4.59'LT	239.12'
219+80	0.66'LT	239.07'
219+90	2.79'RT	238.88'
220+00	2.12'RT	238.69'

○ CONSTRUCTION NOTES

1 CEMENT CONC. TRAFFIC CURB AND GUTTER PER CITY OF LAKEWOOD STD PLAN FR-04
2 CEMENT CONC. PEDESTRIAN CURB PER CITY OF LAKEWOOD STD PLAN FR-04
3 CEMENT CONC. SIDEWALK PER CITY OF LAKEWOOD STD PLAN FR-03
4 CEMENT CONC. DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STD PLAN F-80.10-04
5 CEMENT CONC. CURB RAMP TYPE PARALLEL PER WSDOT STD PLAN F-40.12-03
6 ADJUST MANHOLE PER PIERCE COUNTY STD DETAIL 1002A
7 HMA RAMP PER DETAIL ON SHEET 5
8 CEMENT CONC. CURB RAMP TYPE SINGLE DIRECTION PER WSDOT STD PLAN F-40.16-03
9 INSTALL MAILBOX PER WSDOT STD PLAN H-70.10-02
10 INSTALL MONUMENT PER CITY OF LAKEWOOD STD PLAN MI-02
11 ADJUST VALVE BOX. OBTAIN NEW BOX FROM LAKEWOOD WATER DISTRICT OR PSE
12 INSTALL GATES PER DETAIL DRAWING DT2

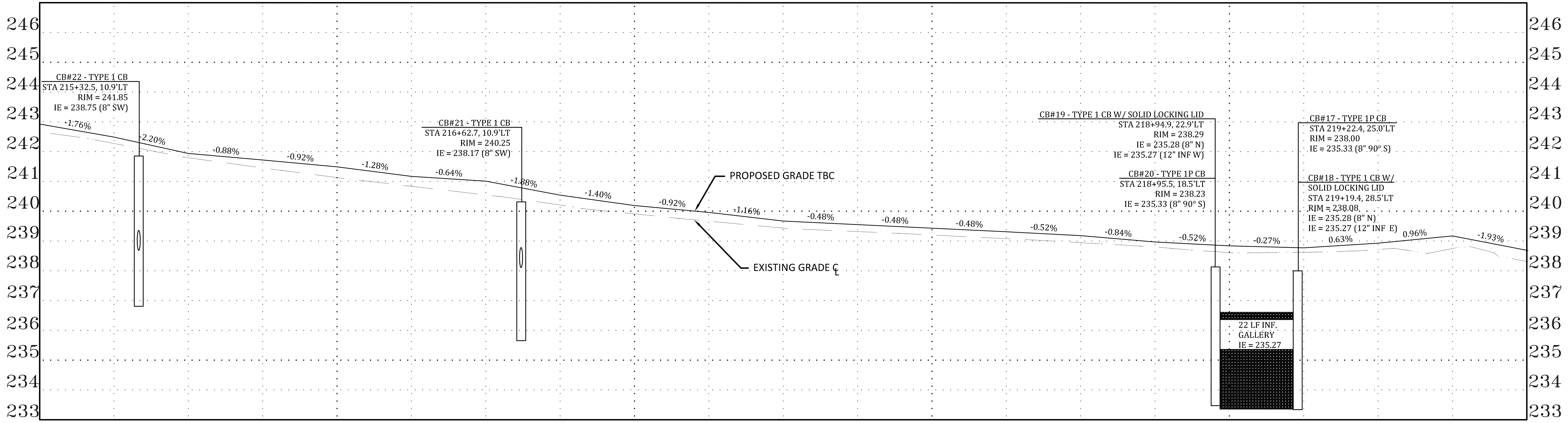
☐ STORM DRAINAGE NOTES

1 INSTALL TYPE 1 CB PER WSDOT STD PLAN B-5.20-03
2 INSTALL TYPE 1P CB PER COL STD PLAN SW-03
3 INFILTRATION TRENCH PER COL STD PLAN SW-03
4 ADJUST CATCH BASIN TO FINISH GRADE
5 INSTALL SD PIPE PER TYPE AND SLOPE SHOWN
6 ADJUST CB WITH NEW THRU CURB INLET LID
7 CONNECT TO EXISTING STORM SEWER PIPE/CB

GENERAL NOTES

1 ALIGNMENT AND STATIONING PER SURVEYED MONUMENTS, SEE SHEETS 3-4
2 CURB ELEVATIONS ARE TO TOP BACK OF CURB

DRIVEWAY SCHEDULE				
ALIGNMENT	STATION	OFFSET	WIDTH	SAWCUT (BACK OF WALK)
ANGLE	216+35	12.5'LT	18'	5.0'
ANGLE	217+13	12.5'LT	18'	5.0'
DRIVEWAY CENTERLINE STATION AND BACK OF CURB OFFSET				
DRIVEWAY APPROACHES ARE CONCRETE UNLESS NOTED				



CB#22 - TYPE 1 CB
STA 215+32.5, 10.9'LT
RIM = 241.85
IE = 238.75 (8" SW)

CB#21 - TYPE 1 CB
STA 216+62.7, 10.9'LT
RIM = 240.25
IE = 238.17 (8" SW)

CB#19 - TYPE 1 CB W/ SOLID LOCKING LID
STA 218+94.9, 22.9'LT
RIM = 238.29
IE = 235.28 (8" N)
IE = 235.27 (12" INF W)

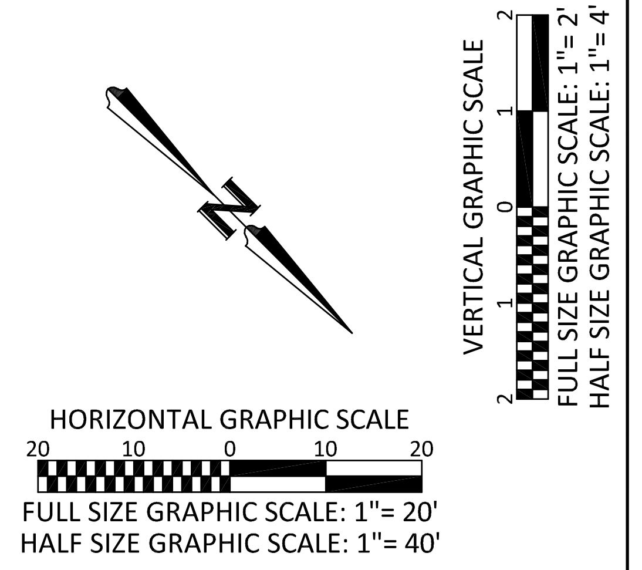
CB#20 - TYPE 1P CB
STA 218+95.5, 18.5'LT
RIM = 238.23
IE = 235.33 (8" 90° S)

22 LF INF.
GALLERY
IE = 235.27

CB#17 - TYPE 1P CB
STA 219+22.4, 25.0'LT
RIM = 238.00
IE = 235.33 (8" 90° S)

CB#18 - TYPE 1 CB W/
SOLID LOCKING LID
STA 219+19.4, 28.5'LT
RIM = 238.08
IE = 235.28 (8" N)
IE = 235.27 (12" INF E)

STATION	LTBC	EGCL	FGCL
215+00	242.93'	242.66'	242.66'
215+25	242.49'	242.28'	242.28'
215+50	241.94'	241.80'	241.80'
215+75	241.72'	241.46'	241.46'
216+00	241.49'	241.13'	241.13'
216+25	241.17'	240.84'	240.84'
216+50	241.01'	240.55'	240.55'
216+75	240.54'	240.21'	240.21'
217+00	240.19'	239.91'	239.91'
217+25	239.96'	239.67'	239.67'
217+50	239.67'	239.43'	239.43'
217+75	239.55'	239.32'	239.32'
218+00	239.43'	239.20'	239.20'
218+25	239.31'	239.08'	239.08'
218+50	239.18'	238.95'	238.95'
218+75	238.97'	238.80'	238.80'
219+00	INT.	238.61'	238.61'
219+25	INT.	238.62'	238.62'
219+50	238.93'	238.72'	238.72'
219+75	239.17'	238.75'	238.75'
220+00	238.69'	238.32'	238.32'



No.	Release/Revision	Re. Date	Re. By
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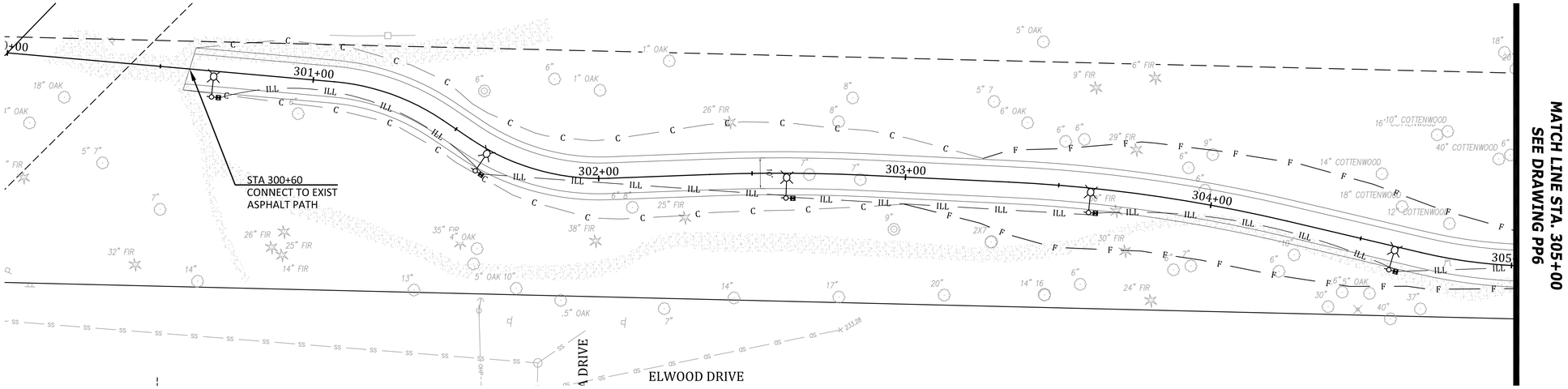
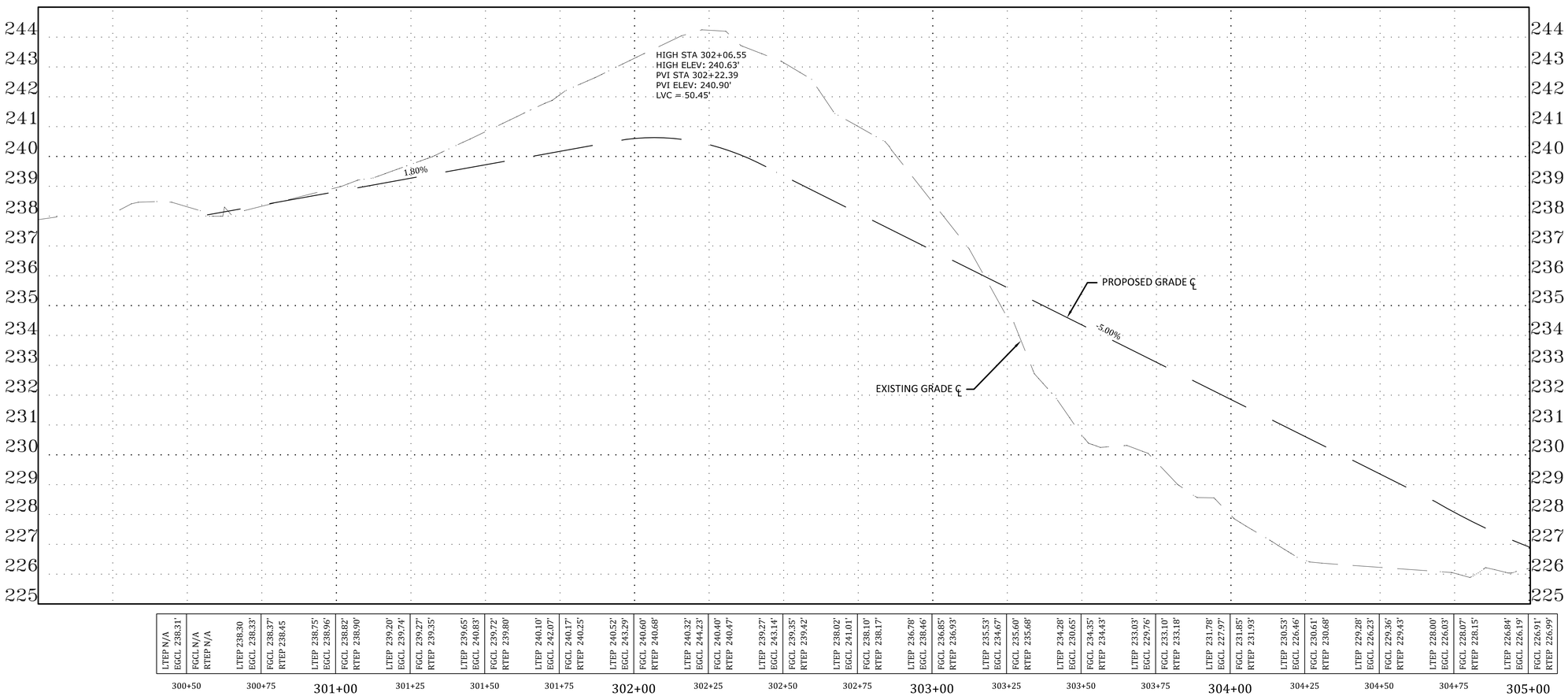
Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

CITY OF LAKEWOOD, WA
1996

TROY S. POKSWINSKI
4/10/23

Project Name: ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS
Drawing Name: PLAN AND PROFILE STA. 215+00 TO STA. 220+00
Job No. 302.0156
Drawing No. PP4
Sheet 17 of 49





CONSTRUCTION NOTES

1. CEMENT CONC. TRAFFIC CURB AND GUTTER PER CITY OF LAKEWOOD STD PLAN FR-04
2. CEMENT CONC. PEDESTRIAN CURB PER CITY OF LAKEWOOD STD PLAN FR-04
3. CEMENT CONC. SIDEWALK PER CITY OF LAKEWOOD STD PLAN FR-03
4. CEMENT CONC. DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STD PLAN F-80.10-04
5. CEMENT CONC. CURB RAMP TYPE PARALLEL PER WSDOT STD PLAN F-40.12-03
6. ADJUST MANHOLE PER PIERCE COUNTY STD DETAIL 1002A
7. HMA RAMP PER DETAIL ON SHEET 5
8. CEMENT CONC. CURB RAMP TYPE SINGLE DIRECTION PER WSDOT STD PLAN F-40.16-03
9. INSTALL MAILBOX PER WSDOT STD PLAN H-70.10-02
10. INSTALL MONUMENT PER CITY OF LAKEWOOD STD PLAN MI-02
11. ADJUST VALVE BOX. OBTAIN NEW BOX FROM LAKEWOOD WATER DISTRICT OR PSE
12. INSTALL GATES PER DETAIL DRAWING DT2

STORM DRAINAGE NOTES

1. INSTALL TYPE 1 CB PER WSDOT STD PLAN B-5.20-03
2. INSTALL TYPE 1P CB PER COL STD PLAN SW-03
3. INFILTRATION TRENCH PER COL STD PLAN SW-03
4. ADJUST CATCH BASIN TO FINISH GRADE
5. INSTALL SD PIPE PER TYPE AND SLOPE SHOWN
6. ADJUST CB WITH NEW THRU CURB INLET LID
7. CONNECT TO EXISTING STORM SEWER PIPE/CB

GENERAL NOTES

1. ALIGNMENT AND STATIONING PER SURVEYED MONUMENTS, SEE SHEETS 3-4
2. CURB ELEVATIONS ARE TO TOP BACK OF CURB

No.	Release/Revision	Re. Date	Re. By
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Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

CITY OF LAKEWOOD, WA 1996

TROY S. POKSWINSKI STATE OF WASHINGTON 45879 REGISTERED PROFESSIONAL ENGINEER 4/10/23

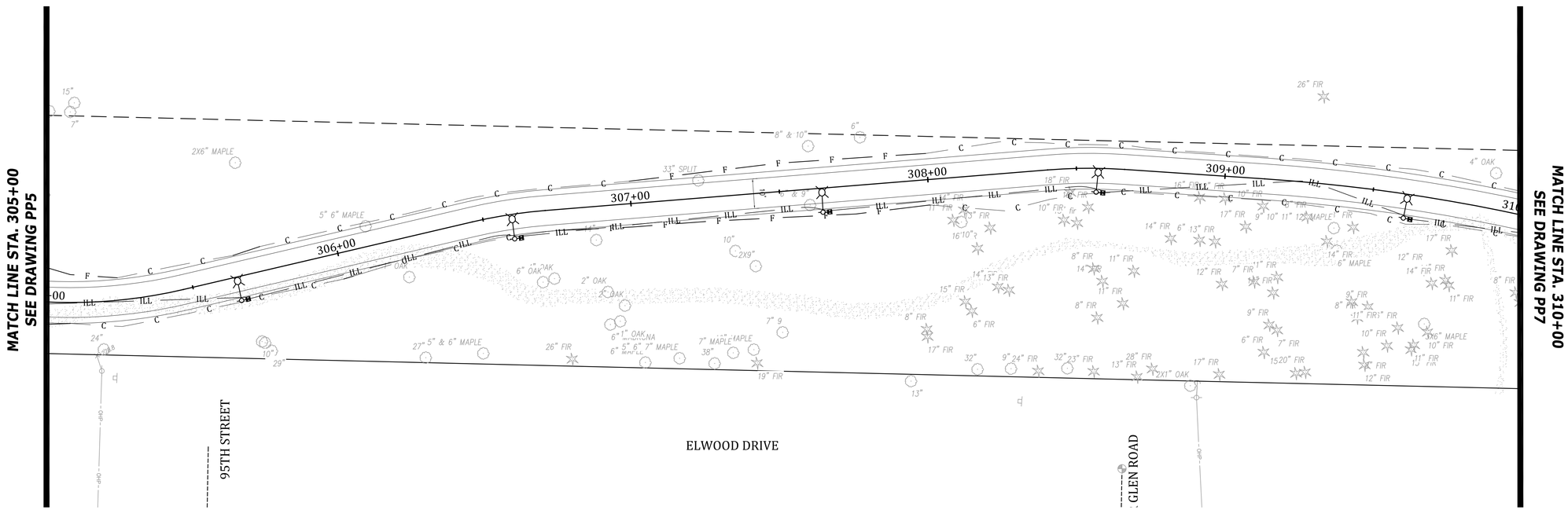
Project Name: ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

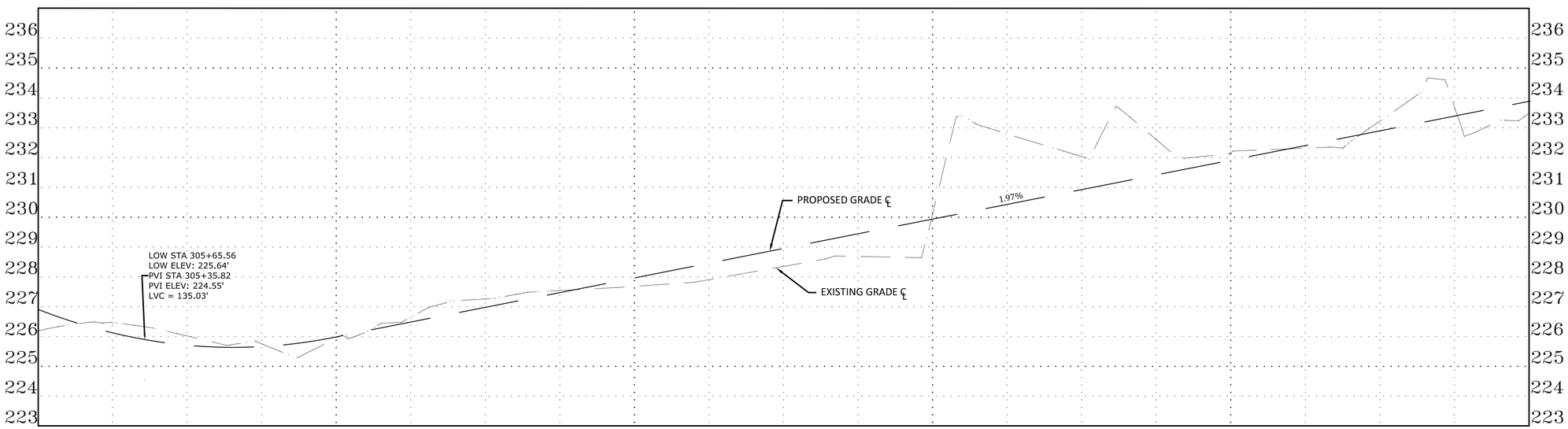
Drawing Name: PLAN AND PROFILE STA. 300+00 TO STA. 305+00

Job No. 302.0156

Drawing No. PP5

Sheet 18 of 49





	LTEP	EGCL	FGCL	RTEP
305+00	226.84'	226.19'	226.91'	226.99'
305+25	226.05'	226.47'	226.12'	226.20'
305+50	225.64'	226.02'	225.71'	225.79'
305+75	225.59'	225.76'	225.66'	225.74'
306+00	225.92'	225.95'	225.99'	226.07'
306+25	226.41'	226.65'	226.49'	226.56'
306+50	226.91'	227.26'	226.98'	227.06'
306+75	227.40'	227.54'	227.47'	227.55'
307+00	227.89'	227.68'	227.97'	228.04'
307+25	228.38'	227.91'	228.46'	228.53'
307+50	228.88'	228.35'	228.95'	229.03'
307+75	229.37'	228.69'	229.45'	229.52'
308+00	229.86'	230.11'	229.94'	230.01'
308+25	230.36'	232.79'	230.43'	230.51'
308+50	230.85'	232.03'	230.93'	231.00'
308+75	231.34'	232.60'	231.42'	231.49'
309+00	231.84'	232.17'	231.91'	231.99'
309+25	232.33'	232.32'	232.40'	232.48'
309+50	232.82'	233.22'	232.90'	232.97'
309+75	233.32'	233.70'	233.39'	233.47'
310+00	233.81'	233.48'	233.88'	233.96'

○ CONSTRUCTION NOTES

1 CEMENT CONC. TRAFFIC CURB AND GUTTER PER CITY OF LAKEWOOD STD PLAN FR-04
2 CEMENT CONC. PEDESTRIAN CURB PER CITY OF LAKEWOOD STD PLAN FR-04
3 CEMENT CONC. SIDEWALK PER CITY OF LAKEWOOD STD PLAN FR-03
4 CEMENT CONC. DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STD PLAN F-80.10-04
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11 ADJUST VALVE BOX. OBTAIN NEW BOX FROM LAKEWOOD WATER DISTRICT OR PSE
12 INSTALL GATES PER DETAIL DRAWING DT2

☐ STORM DRAINAGE NOTES

1 INSTALL TYPE 1 CB PER WSDOT STD PLAN B-5.20-03
2 INSTALL TYPE 1P CB PER COL STD PLAN SW-03
3 INFILTRATION TRENCH PER COL STD PLAN SW-03
4 ADJUST CATCH BASIN TO FINISH GRADE
5 INSTALL SD PIPE PER TYPE AND SLOPE SHOWN
6 ADJUST CB WITH NEW THRU CURB INLET LID
7 CONNECT TO EXISTING STORM SEWER PIPE/CB

GENERAL NOTES

1 ALIGNMENT AND STATIONING PER SURVEYED MONUMENTS, SEE SHEETS 3-4
2 CURB ELEVATIONS ARE TO TOP BACK OF CURB

N

VERTICAL GRAPHIC SCALE
2 1 0 1 2
FULL SIZE GRAPHIC SCALE: 1"= 2'
HALF SIZE GRAPHIC SCALE: 1"= 4'

HORIZONTAL GRAPHIC SCALE
20 10 0 10 20
FULL SIZE GRAPHIC SCALE: 1"= 20'
HALF SIZE GRAPHIC SCALE: 1"= 40'

No.	Release/Revision	Re. Date	Re. By
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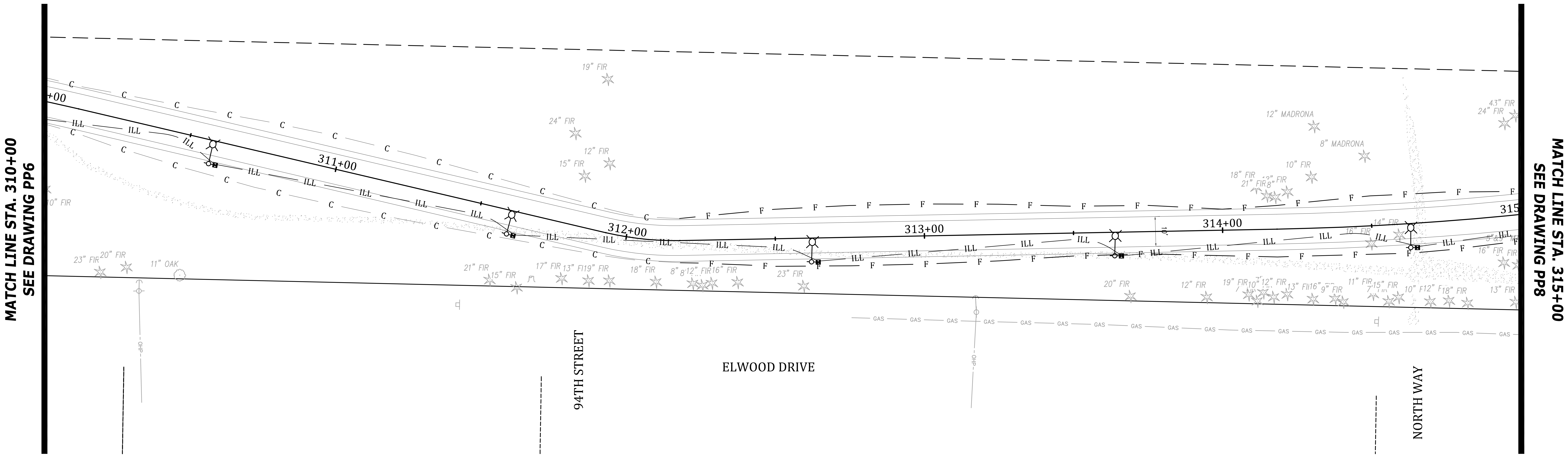
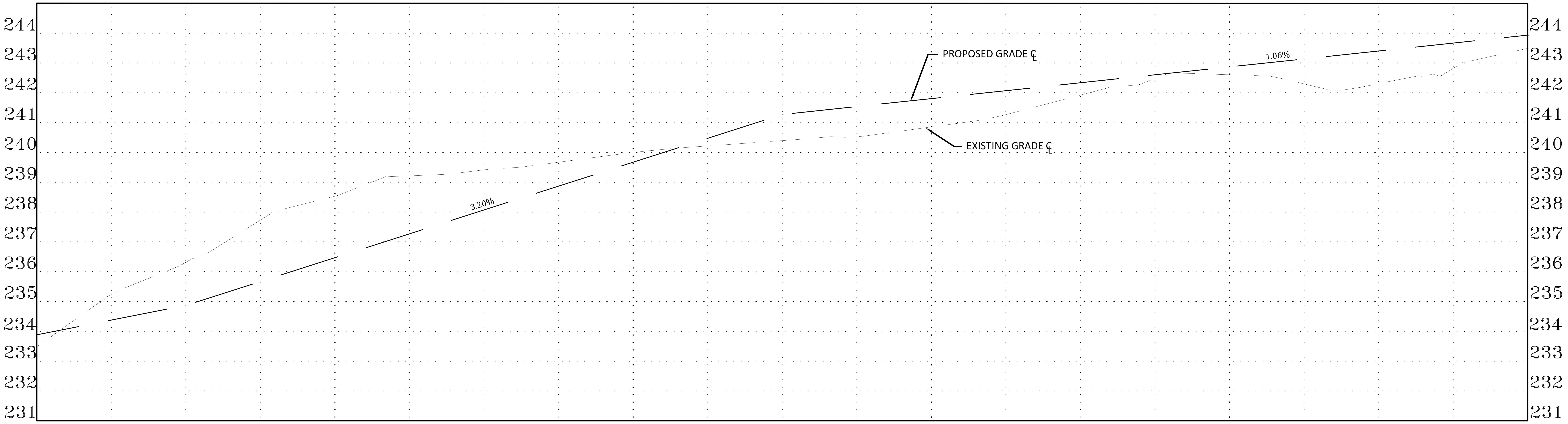
Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

CITY OF LAKEWOOD, WA
1996

TROY S. POKSWINSKI
45879
4/19/23

Project Name: ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS
Drawing Name: PLAN AND PROFILE STA. 305+00 TO STA. 310+00
Job No. 302.0156
Drawing No. PP6
Sheet 19 of 49





Station	LTEP	EGCL	FGCL	RTEP
310+00	233.81'	233.48'	233.88'	233.96'
310+25	234.30'	235.24'	234.38'	234.45'
310+50	234.80'	236.32'	234.87'	234.95'
310+75	235.60'	237.73'	235.67'	235.75'
311+00	236.40'	238.53'	236.47'	236.55'
311+25	237.20'	239.22'	237.27'	237.35'
311+50	238.00'	239.42'	238.07'	238.15'
311+75	238.80'	239.67'	238.87'	238.95'
312+00	239.60'	240.00'	239.67'	239.75'
312+25	240.40'	240.22'	240.47'	240.55'
312+50	241.20'	240.40'	241.27'	241.35'
312+75	241.47'	240.53'	241.54'	241.62'
313+00	241.73'	240.86'	241.81'	241.88'
313+25	242.00'	241.27'	242.07'	242.15'
313+50	242.26'	241.93'	242.34'	242.41'
313+75	242.53'	242.48'	242.61'	242.68'
314+00	242.80'	242.61'	242.87'	242.95'
314+25	243.06'	242.30'	243.14'	243.21'
314+50	243.33'	242.31'	243.40'	243.48'
314+75	243.59'	242.82'	243.67'	243.74'
315+00	243.86'	243.49'	243.94'	244.01'

○ CONSTRUCTION NOTES

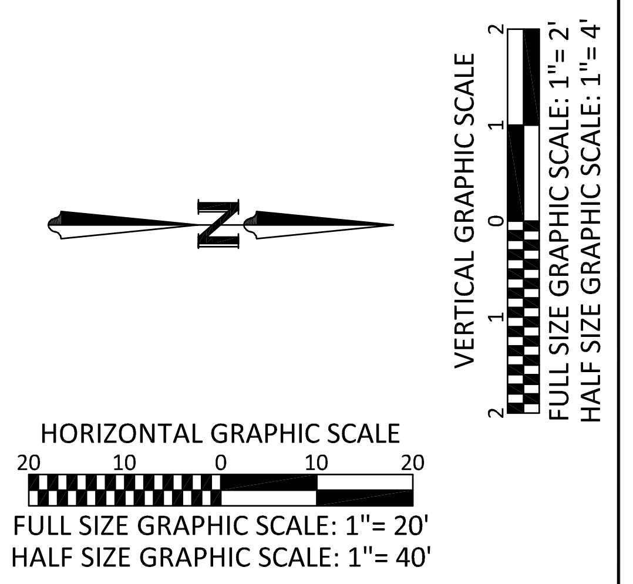
1 CEMENT CONC. TRAFFIC CURB AND GUTTER PER CITY OF LAKEWOOD STD PLAN FR-04
2 CEMENT CONC. PEDESTRIAN CURB PER CITY OF LAKEWOOD STD PLAN FR-04
3 CEMENT CONC. SIDEWALK PER CITY OF LAKEWOOD STD PLAN FR-03
4 CEMENT CONC. DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STD PLAN F-80.10-04
5 CEMENT CONC. CURB RAMP TYPE PARALLEL PER WSDOT STD PLAN F-40.12-03
6 ADJUST MANHOLE PER PIERCE COUNTY STD DETAIL 1002A
7 HMA RAMP PER DETAIL ON SHEET 5
8 CEMENT CONC. CURB RAMP TYPE SINGLE DIRECTION PER WSDOT STD PLAN F-40.16-03
9 INSTALL MAILBOX PER WSDOT STD PLAN H-70.10-02
10 INSTALL MONUMENT PER CITY OF LAKEWOOD STD PLAN MI-02
11 ADJUST VALVE BOX. OBTAIN NEW BOX FROM LAKEWOOD WATER DISTRICT OR PSE
12 INSTALL GATES PER DETAIL DRAWING DT2

☐ STORM DRAINAGE NOTES

1 INSTALL TYPE 1 CB PER WSDOT STD PLAN B-5.20-03
2 INSTALL TYPE 1P CB PER COL STD PLAN SW-03
3 INFILTRATION TRENCH PER COL STD PLAN SW-03
4 ADJUST CATCH BASIN TO FINISH GRADE
5 INSTALL SD PIPE PER TYPE AND SLOPE SHOWN
6 ADJUST CB WITH NEW THRU CURB INLET LID
7 CONNECT TO EXISTING STORM SEWER PIPE/CB

GENERAL NOTES

1 ALIGNMENT AND STATIONING PER SURVEYED MONUMENTS, SEE SHEETS 3-4
2 CURB ELEVATIONS ARE TO TOP BACK OF CURB



FULL SIZE GRAPHIC SCALE: 1"= 20'
HALF SIZE GRAPHIC SCALE: 1"= 40'

No.	Release/Revision	Re. Date	Re. By
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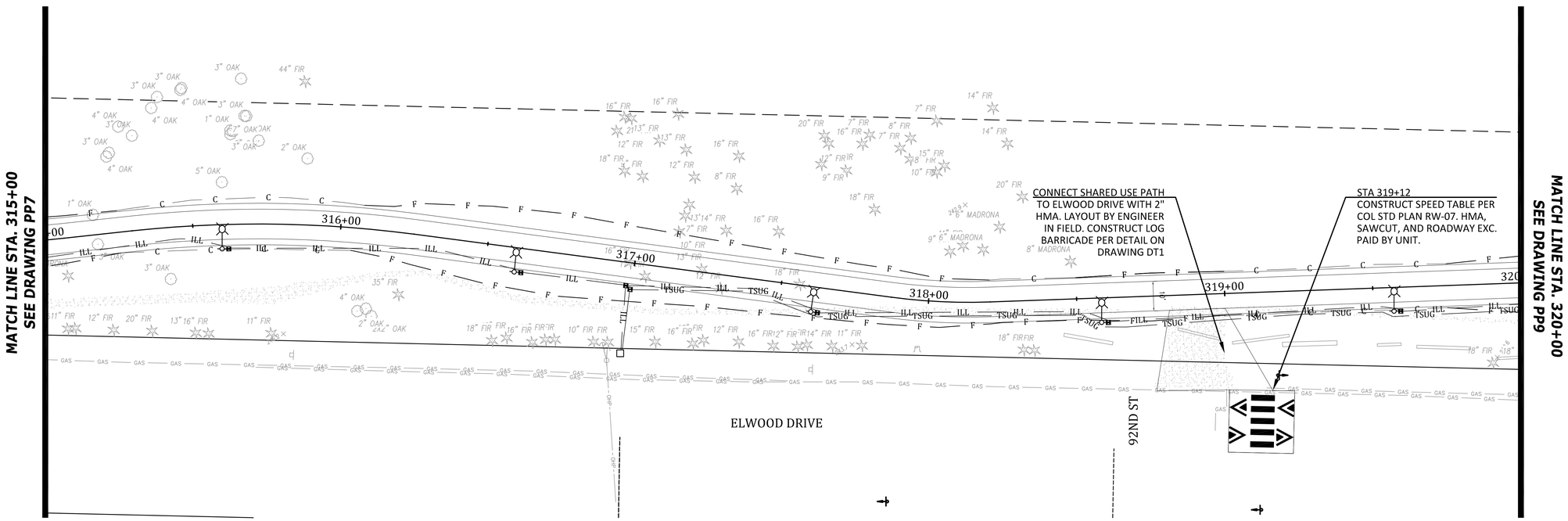
Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

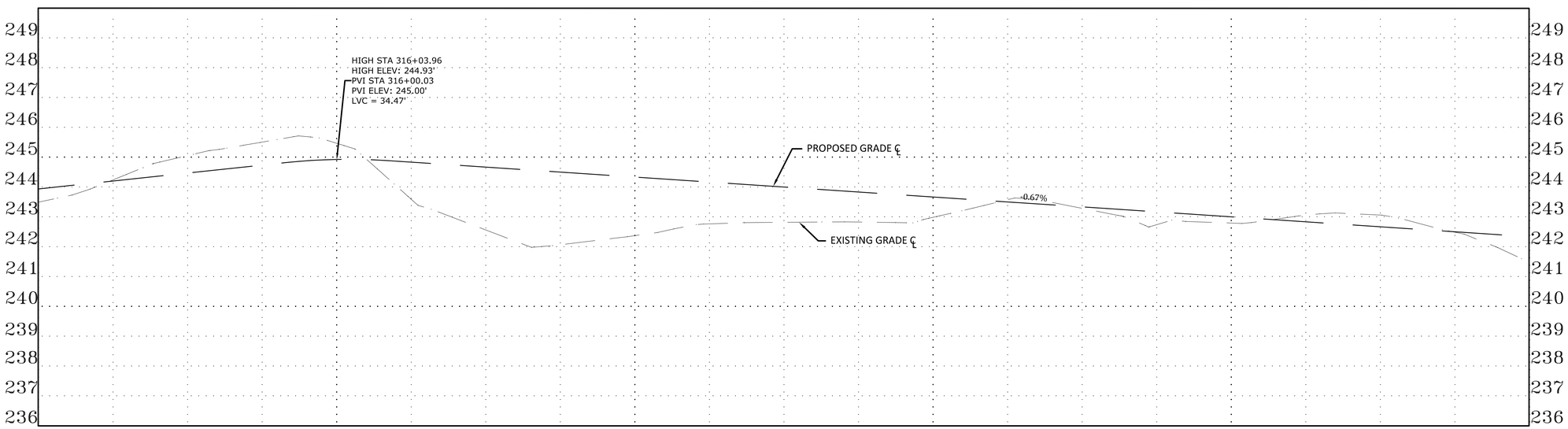
TROY S. POKSWINSKI
4/4/23

Project Name:
ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

Drawing Name:
PLAN AND PROFILE STA. 310+00 TO STA. 315+00

Job No. 302.0156
Drawing No. PP7
Sheet 20 of 49





	315+00	315+25	315+50	315+75	316+00	316+25	316+50	316+75	317+00	317+25	317+50	317+75	318+00	318+25	318+50	318+75	319+00	319+25	319+50	319+75	320+00
LTEP	243.86'	244.13'	244.39'	244.47'	244.66'	244.73'	244.85'	244.76'	244.33'	244.09'	243.92'	243.83'	243.59'	243.42'	243.26'	243.09'	242.92'	242.76'	242.59'	242.42'	242.26'
EGCL	243.49'	244.24'	245.05'	245.51'	245.47'	245.00'	243.59'	242.37'	241.41'	242.76'	242.82'	243.91'	242.98'	243.57'	243.29'	242.74'	242.79'	243.05'	243.06'	242.48'	241.48'
FGCL	243.94'	244.20'	244.47'	244.73'	244.93'	244.76'	244.67'	244.42'	244.37'	244.17'	244.00'	243.76'	243.67'	243.50'	243.33'	243.17'	243.00'	242.83'	242.67'	242.42'	242.50'
RTEP	244.01'	244.28'	244.54'	244.81'	245.47'	245.00'	243.59'	242.07'	244.41'	242.76'	242.82'	243.83'	243.74'	243.57'	243.41'	243.24'	242.79'	242.91'	242.74'	242.48'	242.57'
FGCL	242.33'																				
RTEP	242.41'																				

CONSTRUCTION NOTES

1. CEMENT CONC. TRAFFIC CURB AND GUTTER PER CITY OF LAKEWOOD STD PLAN FR-04
2. CEMENT CONC. PEDESTRIAN CURB PER CITY OF LAKEWOOD STD PLAN FR-04
3. CEMENT CONC. SIDEWALK PER CITY OF LAKEWOOD STD PLAN FR-03
4. CEMENT CONC. DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STD PLAN F-80.10-04
5. CEMENT CONC. CURB RAMP TYPE PARALLEL PER WSDOT STD PLAN F-40.12-03
6. ADJUST MANHOLE PER PIERCE COUNTY STD DETAIL 1002A
7. HMA RAMP PER DETAIL ON SHEET 5
8. CEMENT CONC. CURB RAMP TYPE SINGLE DIRECTION PER WSDOT STD PLAN F-40.16-03
9. INSTALL MAILBOX PER WSDOT STD PLAN H-70.10-02
10. INSTALL MONUMENT PER CITY OF LAKEWOOD STD PLAN MI-02
11. ADJUST VALVE BOX. OBTAIN NEW BOX FROM LAKEWOOD WATER DISTRICT OR PSE
12. INSTALL GATES PER DETAIL DRAWING DT2

STORM DRAINAGE NOTES

1. INSTALL TYPE 1 CB PER WSDOT STD PLAN B-5.20-03
2. INSTALL TYPE 1P CB PER COL STD PLAN SW-03
3. INFILTRATION TRENCH PER COL STD PLAN SW-03
4. ADJUST CATCH BASIN TO FINISH GRADE
5. INSTALL SD PIPE PER TYPE AND SLOPE SHOWN
6. ADJUST CB WITH NEW THRU CURB INLET LID
7. CONNECT TO EXISTING STORM SEWER PIPE/CB

GENERAL NOTES

1. ALIGNMENT AND STATIONING PER SURVEYED MONUMENTS, SEE SHEETS 3-4
2. CURB ELEVATIONS ARE TO TOP BACK OF CURB

VERTICAL GRAPHIC SCALE
FULL SIZE GRAPHIC SCALE: 1"= 2'
HALF SIZE GRAPHIC SCALE: 1"= 4'

HORIZONTAL GRAPHIC SCALE
FULL SIZE GRAPHIC SCALE: 1"= 20'
HALF SIZE GRAPHIC SCALE: 1"= 40'

No.	Release/Revision	Re. Date	Re. By
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Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22 | Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

CITY OF LAKEWOOD, WA 1996

TROY S. POKSWINSKI, STATE OF WASHINGTON, 45303, REGISTERED PROFESSIONAL ENGINEER, 4/10/23

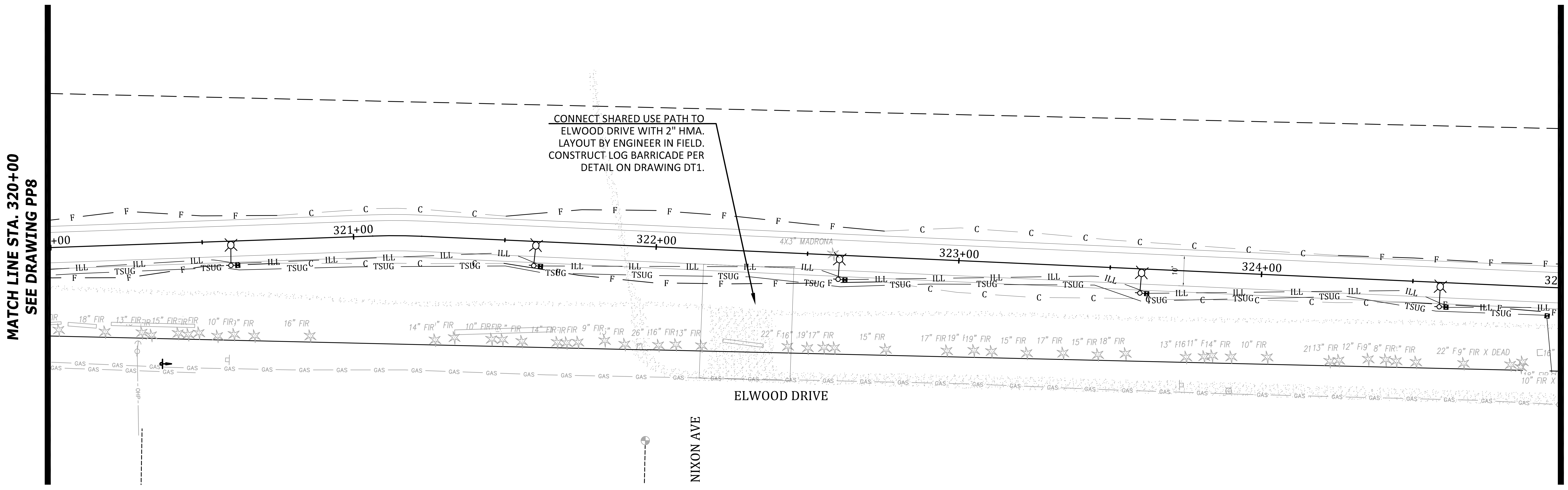
Project Name: ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

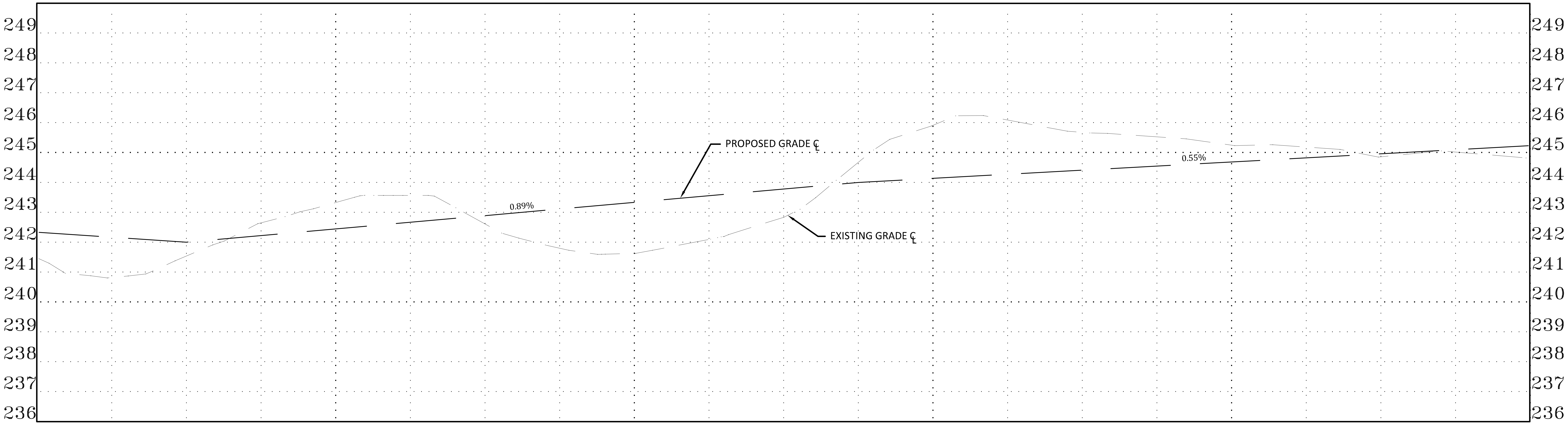
Drawing Name: PLAN AND PROFILE STA. 315+00 TO STA. 320+00

Job No. 302.0156

Drawing No. PP8

Sheet 21 of 49





	LTEP	EGCL	FGCL	RTEP
320+00	242.26'	241.48'	242.33'	242.41'
320+25	242.09'	240.82'	242.17'	242.24'
320+50	241.92'	241.54'	242.00'	242.08'
320+75	242.15'	242.65'	242.22'	242.30'
321+00	242.37'	243.33'	242.44'	242.52'
321+25	242.59'	243.57'	242.67'	242.74'
321+50	242.81'	242.61'	242.89'	242.96'
321+75	243.04'	241.80'	243.11'	243.19'
322+00	243.26'	241.62'	243.33'	243.41'
322+25	243.48'	242.09'	243.56'	243.63'
322+50	243.70'	242.83'	243.78'	243.85'
322+75	243.92'	244.67'	244.00'	244.08'
323+00	244.06'	245.91'	244.14'	244.21'
323+25	244.20'	246.09'	244.27'	244.35'
323+50	244.34'	245.68'	244.41'	244.49'
323+75	244.47'	245.53'	244.55'	244.62'
324+00	244.61'	245.25'	244.68'	244.76'
324+25	244.75'	245.18'	244.82'	244.90'
324+50	244.88'	244.86'	244.96'	245.03'
324+75	245.02'	245.02'	245.10'	245.17'
325+00	245.16'	244.84'	245.23'	245.31'

○ CONSTRUCTION NOTES

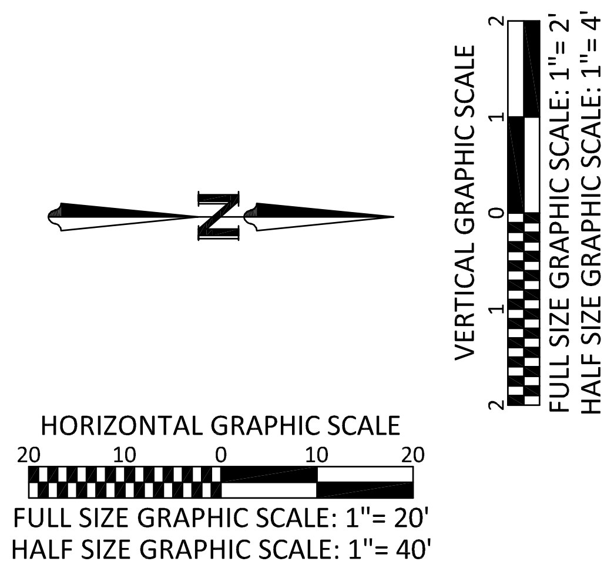
1	CEMENT CONC. TRAFFIC CURB AND GUTTER PER CITY OF LAKEWOOD STD PLAN FR-04
2	CEMENT CONC. PEDESTRIAN CURB PER CITY OF LAKEWOOD STD PLAN FR-04
3	CEMENT CONC. SIDEWALK PER CITY OF LAKEWOOD STD PLAN FR-03
4	CEMENT CONC. DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STD PLAN F-80.10-04
5	CEMENT CONC. CURB RAMP TYPE PARALLEL PER WSDOT STD PLAN F-40.12-03
6	ADJUST MANHOLE PER PIERCE COUNTY STD DETAIL 1002A
7	HMA RAMP PER DETAIL ON SHEET 5
8	CEMENT CONC. CURB RAMP TYPE SINGLE DIRECTION PER WSDOT STD PLAN F-40.16-03
9	INSTALL MAILBOX PER WSDOT STD PLAN H-70.10-02
10	INSTALL MONUMENT PER CITY OF LAKEWOOD STD PLAN MI-02
11	ADJUST VALVE BOX. OBTAIN NEW BOX FROM LAKEWOOD WATER DISTRICT OR PSE
12	INSTALL GATES PER DETAIL DRAWING DT2

☐ STORM DRAINAGE NOTES

1	INSTALL TYPE 1 CB PER WSDOT STD PLAN B-5.20-03
2	INSTALL TYPE 1P CB PER COL STD PLAN SW-03
3	INFILTRATION TRENCH PER COL STD PLAN SW-03
4	ADJUST CATCH BASIN TO FINISH GRADE
5	INSTALL SD PIPE PER TYPE AND SLOPE SHOWN
6	ADJUST CB WITH NEW THRU CURB INLET LID
7	CONNECT TO EXISTING STORM SEWER PIPE/CB

GENERAL NOTES

1	ALIGNMENT AND STATIONING PER SURVEYED MONUMENTS, SEE SHEETS 3-4
2	CURB ELEVATIONS ARE TO TOP BACK OF CURB



No.	Release/Revision	Re. Date	Re. By
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Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

CITY OF LAKEWOOD, WA
1996

TROY S. POKSWINSKI
4/4/23

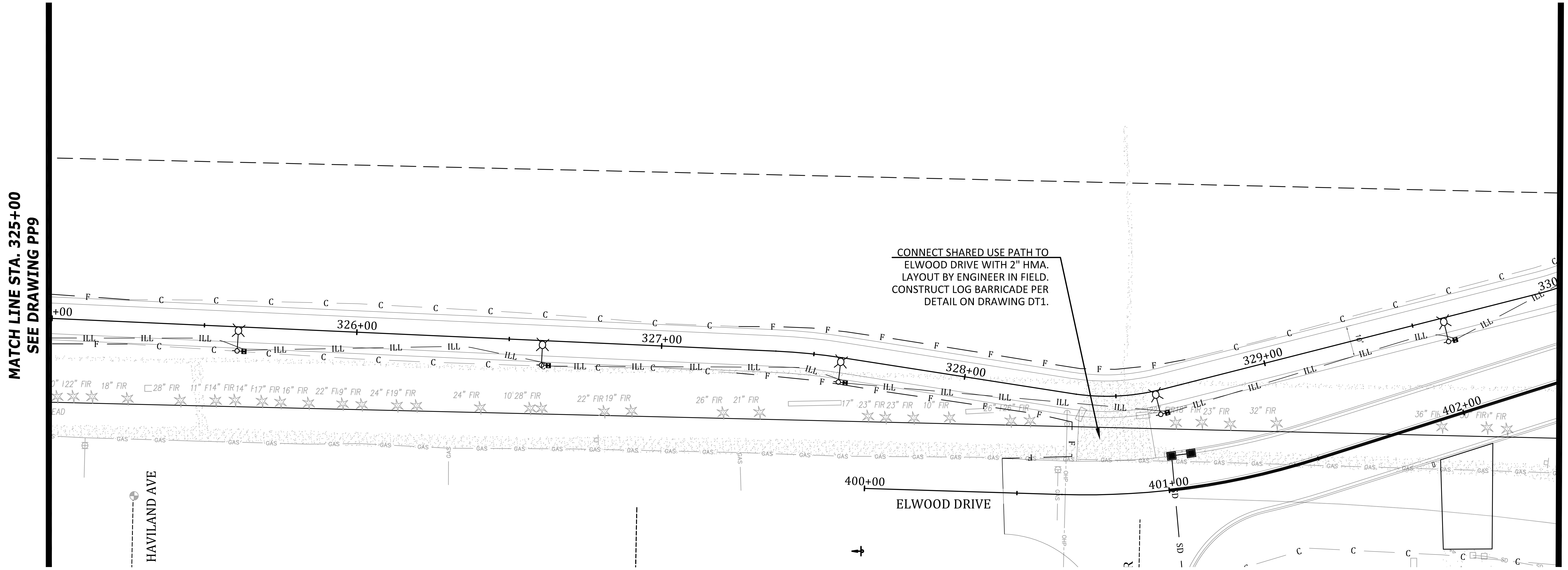
Project Name:
ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

Drawing Name:
PLAN AND PROFILE STA. 320+00 TO STA. 325+00

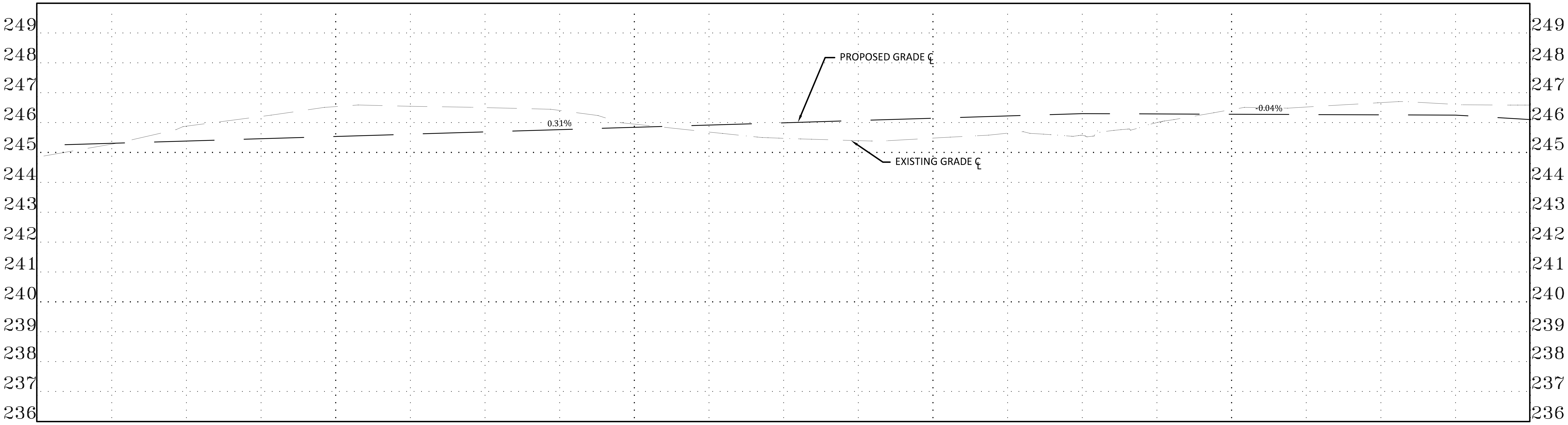
Job No.
302.0156

Drawing No.
PP9

Sheet 22 of 49



CONNECT SHARED USE PATH TO ELWOOD DRIVE WITH 2" HMA. LAYOUT BY ENGINEER IN FIELD. CONSTRUCT LOG BARRICADE PER DETAIL ON DRAWING DT1.



Station	LTEP	EGCL	FGCL	RTEP
325+00	245.16'	244.84'	245.23'	245.31'
325+25	245.23'	245.28'	245.31'	245.38'
325+50	245.31'	245.88'	245.38'	245.46'
325+75	245.39'	246.21'	245.46'	245.54'
326+00	245.46'	246.54'	245.54'	245.61'
326+25	245.54'	246.55'	245.61'	245.69'
326+50	245.61'	246.50'	245.69'	245.76'
326+75	245.69'	246.41'	245.77'	245.84'
327+00	245.77'	245.95'	245.84'	245.92'
327+25	245.84'	245.69'	245.92'	245.99'
327+50	245.92'	245.47'	246.00'	246.07'
327+75	246.00'	245.40'	246.07'	246.15'
328+00	246.07'	245.48'	246.15'	246.22'
328+25	246.15'	245.65'	246.22'	246.30'
328+50	246.23'	245.57'	246.30'	246.38'
328+75	246.22'	246.00'	246.29'	246.37'
329+00	246.21'	246.44'	246.28'	246.36'
329+25	246.20'	246.52'	246.27'	246.35'
329+50	246.19'	246.67'	246.26'	246.34'
329+75	246.18'	246.61'	246.25'	246.33'
330+00	246.03'	246.59'	246.10'	246.18'

○ CONSTRUCTION NOTES

1 CEMENT CONC. TRAFFIC CURB AND GUTTER PER CITY OF LAKEWOOD STD PLAN FR-04
2 CEMENT CONC. PEDESTRIAN CURB PER CITY OF LAKEWOOD STD PLAN FR-04
3 CEMENT CONC. SIDEWALK PER CITY OF LAKEWOOD STD PLAN FR-03
4 CEMENT CONC. DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STD PLAN F-80.10-04
5 CEMENT CONC. CURB RAMP TYPE PARALLEL PER WSDOT STD PLAN F-40.12-03
6 ADJUST MANHOLE PER PIERCE COUNTY STD DETAIL 1002A
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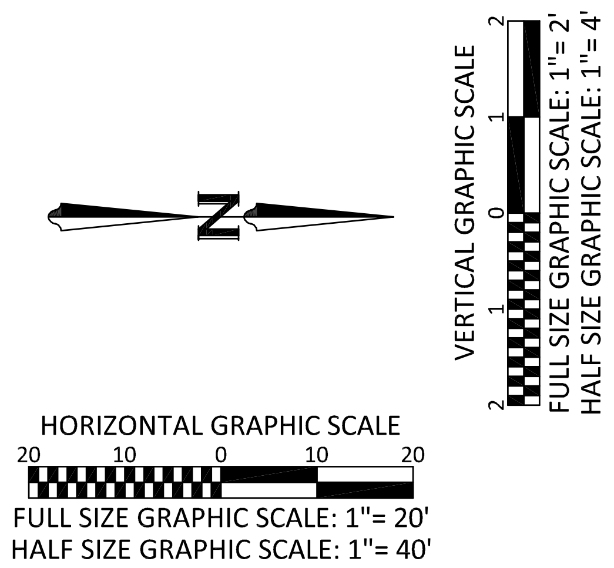
8 CEMENT CONC. CURB RAMP TYPE SINGLE DIRECTION PER WSDOT STD PLAN F-40.16-03
9 INSTALL MAILBOX PER WSDOT STD PLAN H-70.10-02
10 INSTALL MONUMENT PER CITY OF LAKEWOOD STD PLAN MI-02
11 ADJUST VALVE BOX. OBTAIN NEW BOX FROM LAKEWOOD WATER DISTRICT OR PSE
12 INSTALL GATES PER DETAIL DRAWING DT2

☐ STORM DRAINAGE NOTES

1 INSTALL TYPE 1 CB PER WSDOT STD PLAN B-5.20-03
2 INSTALL TYPE 1P CB PER COL STD PLAN SW-03
3 INFILTRATION TRENCH PER COL STD PLAN SW-03
4 ADJUST CATCH BASIN TO FINISH GRADE
5 INSTALL SD PIPE PER TYPE AND SLOPE SHOWN
6 ADJUST CB WITH NEW THRU CURB INLET LID
7 CONNECT TO EXISTING STORM SEWER PIPE/CB

GENERAL NOTES

1 ALIGNMENT AND STATIONING PER SURVEYED MONUMENTS, SEE SHEETS 3-4
2 CURB ELEVATIONS ARE TO TOP BACK OF CURB



FULL SIZE GRAPHIC SCALE: 1"= 20'
HALF SIZE GRAPHIC SCALE: 1"= 40'

No.	Release/Revision	Re. Date	Re. By
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Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

CITY OF LAKEWOOD, WA 1996

TROY S. POKSWINSKI

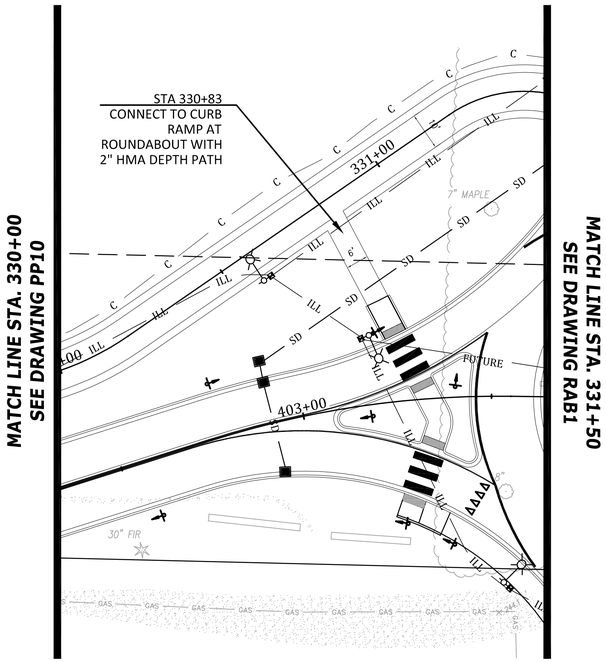
Project Name:
ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

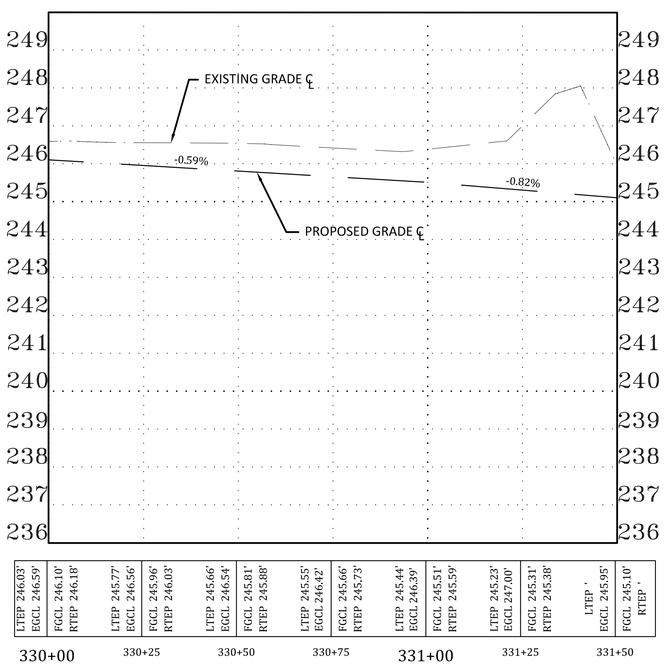
Drawing Name:
PLAN AND PROFILE STA. 325+00 TO STA. 330+00

Job No.
302.0156

Drawing No.
PP10

Sheet 23 of 49





CONSTRUCTION NOTES

1. CEMENT CONC. TRAFFIC CURB AND GUTTER PER CITY OF LAKEWOOD STD PLAN FR-04
2. CEMENT CONC. PEDESTRIAN CURB PER CITY OF LAKEWOOD STD PLAN FR-04
3. CEMENT CONC. SIDEWALK PER CITY OF LAKEWOOD STD PLAN FR-03
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9. INSTALL MAILBOX PER WSDOT STD PLAN H-70.10-02
10. INSTALL MONUMENT PER CITY OF LAKEWOOD STD PLAN MI-02
11. ADJUST VALVE BOX. OBTAIN NEW BOX FROM LAKEWOOD WATER DISTRICT OR PSE
12. INSTALL GATES PER DETAIL DRAWING DT2

STORM DRAINAGE NOTES

1. INSTALL TYPE 1 CB PER WSDOT STD PLAN B-5.20-03
2. INSTALL TYPE 1P CB PER COL STD PLAN SW-03
3. INFILTRATION TRENCH PER COL STD PLAN SW-03
4. ADJUST CATCH BASIN TO FINISH GRADE
5. INSTALL SD PIPE PER TYPE AND SLOPE SHOWN
6. ADJUST CB WITH NEW THRU CURB INLET LID
7. CONNECT TO EXISTING STORM SEWER PIPE/CB

GENERAL NOTES

1. ALIGNMENT AND STATIONING PER SURVEYED MONUMENTS, SEE SHEETS 3-4
2. CURB ELEVATIONS ARE TO TOP BACK OF CURB

VERTICAL GRAPHIC SCALE
FULL SIZE GRAPHIC SCALE: 1"= 2'
HALF SIZE GRAPHIC SCALE: 1"= 4'

HORIZONTAL GRAPHIC SCALE
FULL SIZE GRAPHIC SCALE: 1"= 20'
HALF SIZE GRAPHIC SCALE: 1"= 40'

No.	Release/Revision	Re. Date	Re. By
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Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22 | Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

CITY OF LAKEWOOD, WA 1996

TROY S. POKSWINSKI, STATE OF WASHINGTON, 45079, REGISTERED PROFESSIONAL ENGINEER, 4/10/23

Project Name: ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

Drawing Name: PLAN AND PROFILE STA. 330+00 TO STA. 331+50

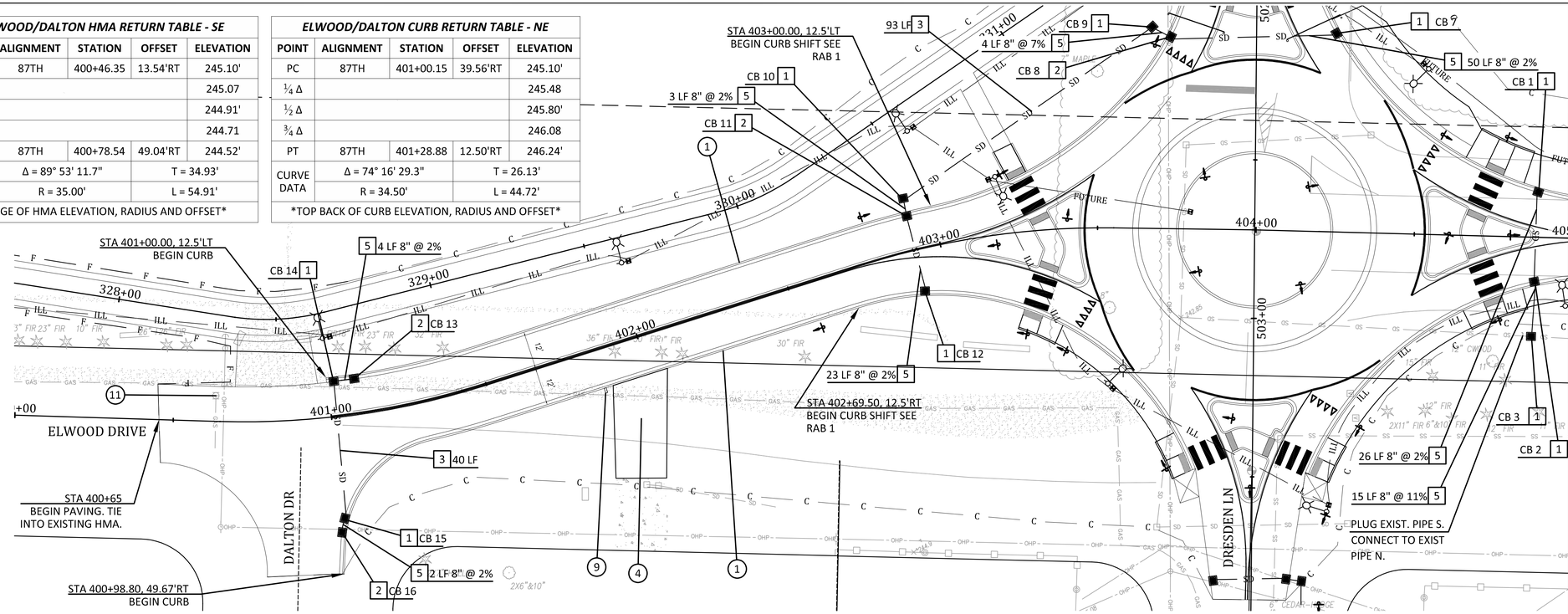
Job No. 302.0156

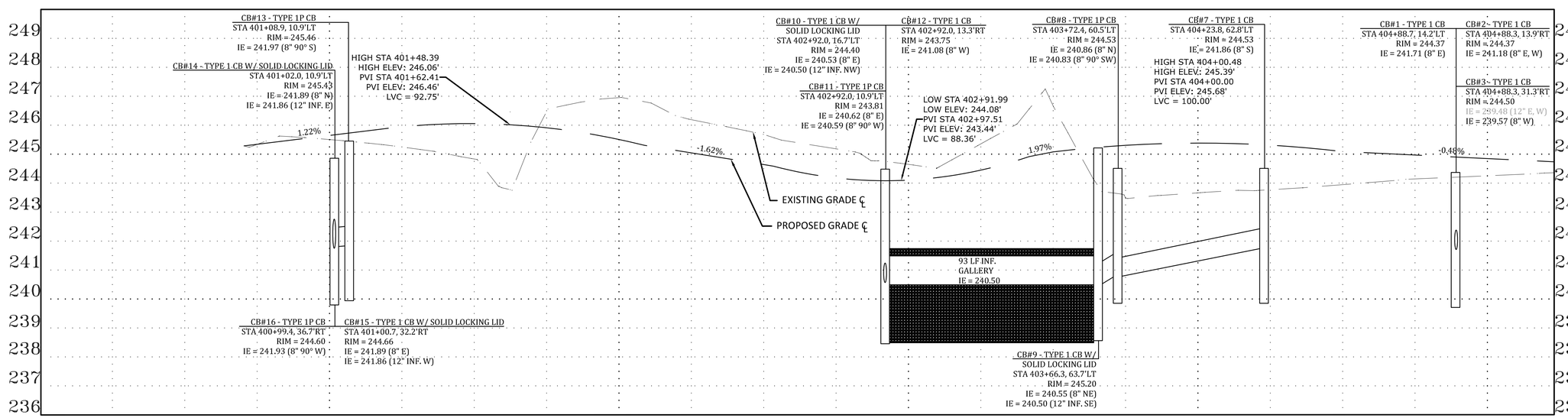
Drawing No. PP11

Sheet 24 of 49

ELWOOD/DALTON HMA RETURN TABLE - SE				
POINT	ALIGNMENT	STATION	OFFSET	ELEVATION
PC	87TH	400+46.35	13.54'RT	245.10'
¼ Δ				245.07
½ Δ				244.91'
¾ Δ				244.71
PT	87TH	400+78.54	49.04'RT	244.52'
CURVE DATA	Δ = 89° 53' 11.7"		T = 34.93'	
	R = 35.00'		L = 54.91'	
EDGE OF HMA ELEVATION, RADIUS AND OFFSET				

ELWOOD/DALTON CURB RETURN TABLE - NE				
POINT	ALIGNMENT	STATION	OFFSET	ELEVATION
PC	87TH	401+00.15	39.56'RT	245.10'
¼ Δ				245.48
½ Δ				245.80'
¾ Δ				246.08
PT	87TH	401+28.88	12.50'RT	246.24'
CURVE DATA	Δ = 74° 16' 29.3"		T = 26.13'	
	R = 34.50'		L = 44.72'	
TOP BACK OF CURB ELEVATION, RADIUS AND OFFSET				





	LTBC	EGCL	FGCL	RTBC
400+75	245.60'	245.34'	245.34'	INT.
401+00	245.91'	245.51'	245.65'	INT.
401+25	246.21'	245.25'	245.95'	INT.
401+50	246.33'	244.84'	246.06'	246.33'
401+75	246.17'	246.48'	245.91'	246.17'
402+00	245.76'	246.96'	245.51'	245.76'
402+25	245.33'	246.19'	245.05'	245.33'
402+50	244.90'	245.68'	244.64'	244.90'
402+75	INT.	245.19'	244.18'	INT.
403+00	INT.	244.65'	244.11'	INT.
403+25	INT.	245.36'	244.45'	INT.
403+50	INT.	246.67'	245.08'	INT.
403+75	INT.	243.48'	245.31'	INT.
404+00	INT.	243.66'	245.39'	INT.
404+25	INT.	243.77'	245.31'	INT.
404+50	INT.	243.95'	245.09'	INT.
404+75	INT.	244.15'	244.97'	INT.
405+00	INT.	244.26'	244.85'	INT.

○ CONSTRUCTION NOTES

1 CEMENT CONC. TRAFFIC CURB AND GUTTER PER CITY OF LAKEWOOD STD PLAN FR-04
2 CEMENT CONC. PEDESTRIAN CURB PER CITY OF LAKEWOOD STD PLAN FR-04
3 CEMENT CONC. SIDEWALK PER CITY OF LAKEWOOD STD PLAN FR-03
4 CEMENT CONC. DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STD PLAN F-80.10-04
5 CEMENT CONC. CURB RAMP TYPE PARALLEL PER WSDOT STD PLAN F-40.12-03
6 ADJUST MANHOLE PER PIERCE COUNTY STD DETAIL 1002A
7 HMA RAMP PER DETAIL ON SHEET 5
8 CEMENT CONC. CURB RAMP TYPE SINGLE DIRECTION PER WSDOT STD PLAN F-40.16-03
9 INSTALL MAILBOX PER WSDOT STD PLAN H-70.10-02
10 INSTALL MONUMENT PER CITY OF LAKEWOOD STD PLAN MI-02
11 ADJUST VALVE BOX. OBTAIN NEW BOX FROM LAKEWOOD WATER DISTRICT OR PSE
12 INSTALL GATES PER DETAIL DRAWING DT2

☐ STORM DRAINAGE NOTES

1 INSTALL TYPE 1 CB PER WSDOT STD PLAN B-5.20-03
2 INSTALL TYPE 1P CB PER COL STD PLAN SW-03
3 INFILTRATION TRENCH PER COL STD PLAN SW-03
4 ADJUST CATCH BASIN TO FINISH GRADE
5 INSTALL SD PIPE PER TYPE AND SLOPE SHOWN
6 ADJUST CB WITH NEW THRU CURB INLET LID
7 CONNECT TO EXISTING STORM SEWER PIPE/CB

GENERAL NOTES

1 ALIGNMENT AND STATIONING PER SURVEYED MONUMENTS, SEE SHEETS 3-4
2 CURB ELEVATIONS ARE TO TOP BACK OF CURB

DRIVEWAY SCHEDULE				
ALIGNMENT	STATION	OFFSET	WIDTH	SAWCUT (BACK OF WALK)
87TH	401+97	12.5'RT	18'	32.0'
DRIVEWAY CENTERLINE STATION AND BACK OF CURB OFFSET				
DRIVEWAY APPROACHES ARE CONCRETE UNLESS NOTED				

N

VERTICAL GRAPHIC SCALE
FULL SIZE GRAPHIC SCALE: 1"= 2'
HALF SIZE GRAPHIC SCALE: 1"= 4'

HORIZONTAL GRAPHIC SCALE
20 10 0 10 20
FULL SIZE GRAPHIC SCALE: 1"= 20'
HALF SIZE GRAPHIC SCALE: 1"= 40'

No.	Release/Revision	Re. Date	Re. By
△			
△			
△			
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Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

TROY S. POKSWINSKI
4/4/23

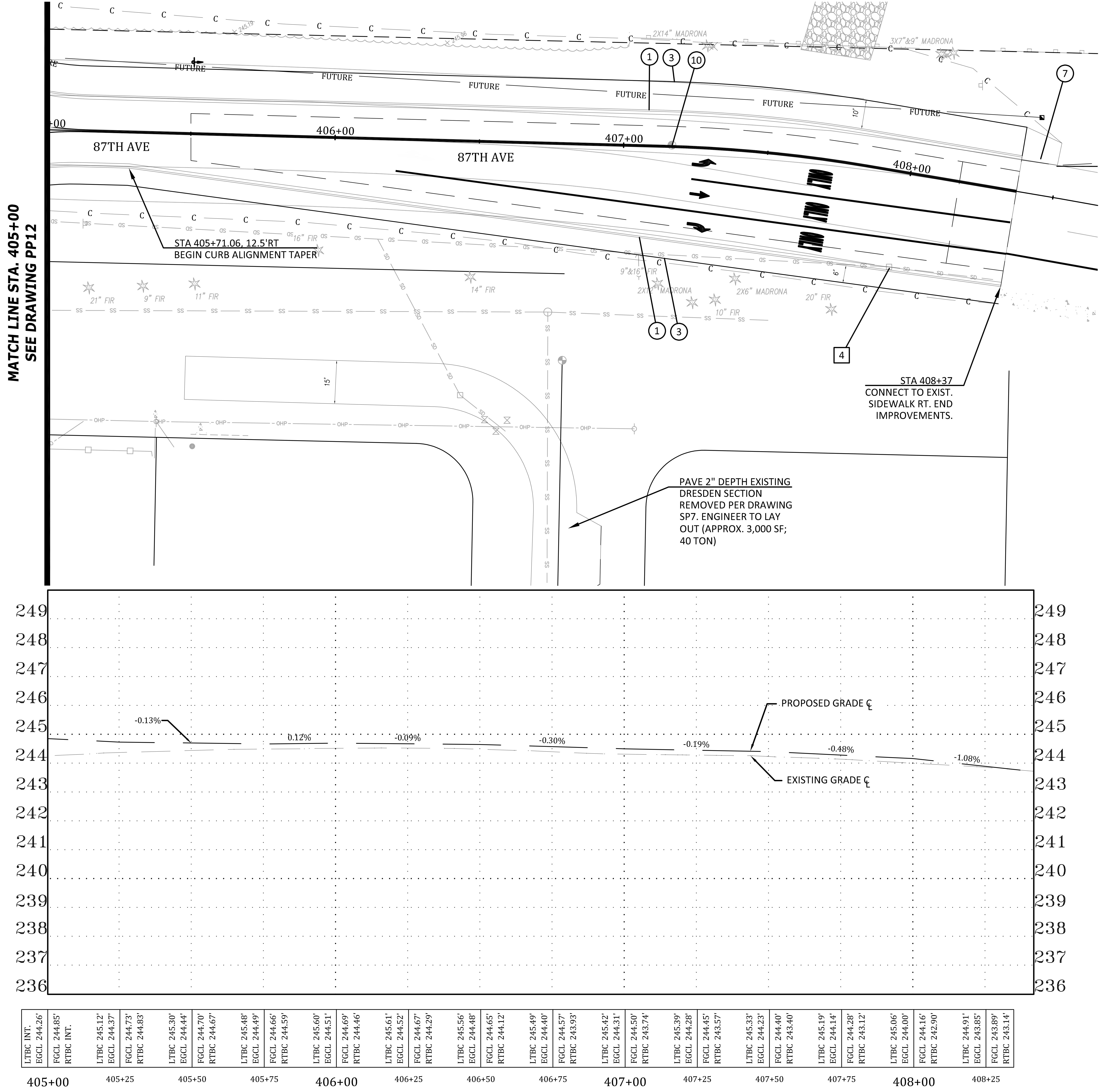
Project Name:
ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

Drawing Name:
PLAN AND PROFILE STA. 400+00 TO STA. 405+00

Job No.
302.0156

Drawing No.
PP12

Sheet 25 of 49



Station	LTBC	EGCL	FGCL	RTBC
405+00	INT.	244.26'	244.85'	INT.
405+25	245.12'	244.37'	244.73'	244.83'
405+50	245.30'	244.44'	244.70'	244.67'
405+75	245.48'	244.49'	244.66'	244.59'
406+00	245.60'	244.51'	244.69'	244.46'
406+25	245.61'	244.52'	244.67'	244.29'
406+50	245.56'	244.48'	244.65'	244.12'
406+75	245.49'	244.40'	244.57'	243.93'
407+00	245.42'	244.31'	244.50'	243.74'
407+25	245.39'	244.28'	244.45'	243.57'
407+50	245.33'	244.23'	244.40'	243.40'
407+75	245.19'	244.14'	244.28'	243.12'
408+00	245.06'	244.00'	244.16'	242.90'
408+25	244.91'	243.85'	243.89'	243.14'

○ CONSTRUCTION NOTES

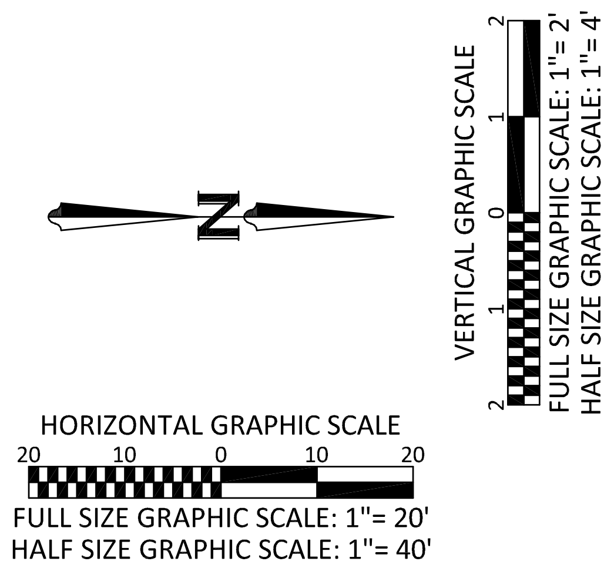
1. CEMENT CONC. TRAFFIC CURB AND GUTTER PER CITY OF LAKEWOOD STD PLAN FR-04
2. CEMENT CONC. PEDESTRIAN CURB PER CITY OF LAKEWOOD STD PLAN FR-04
3. CEMENT CONC. SIDEWALK PER CITY OF LAKEWOOD STD PLAN FR-03
4. CEMENT CONC. DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STD PLAN F-80.10-04
5. CEMENT CONC. CURB RAMP TYPE PARALLEL PER WSDOT STD PLAN F-40.12-03
6. ADJUST MANHOLE PER PIERCE COUNTY STD DETAIL 1002A
7. HMA RAMP PER DETAIL ON SHEET 5
8. CEMENT CONC. CURB RAMP TYPE SINGLE DIRECTION PER WSDOT STD PLAN F-40.16-03
9. INSTALL MAILBOX PER WSDOT STD PLAN H-70.10-02
10. INSTALL MONUMENT PER CITY OF LAKEWOOD STD PLAN MI-02
11. ADJUST VALVE BOX. OBTAIN NEW BOX FROM LAKEWOOD WATER DISTRICT OR PSE
12. INSTALL GATES PER DETAIL DRAWING DT2

☐ STORM DRAINAGE NOTES

1. INSTALL TYPE 1 CB PER WSDOT STD PLAN B-5.20-03
2. INSTALL TYPE 1P CB PER COL STD PLAN SW-03
3. INFILTRATION TRENCH PER COL STD PLAN SW-03
4. ADJUST CATCH BASIN TO FINISH GRADE
5. INSTALL SD PIPE PER TYPE AND SLOPE SHOWN
6. ADJUST CB WITH NEW THRU CURB INLET LID
7. CONNECT TO EXISTING STORM SEWER PIPE/CB

GENERAL NOTES

1. ALIGNMENT AND STATIONING PER SURVEYED MONUMENTS, SEE SHEETS 3-4
2. CURB ELEVATIONS ARE TO TOP BACK OF CURB



No.	Release/Revision	Re. Date	Re. By
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Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

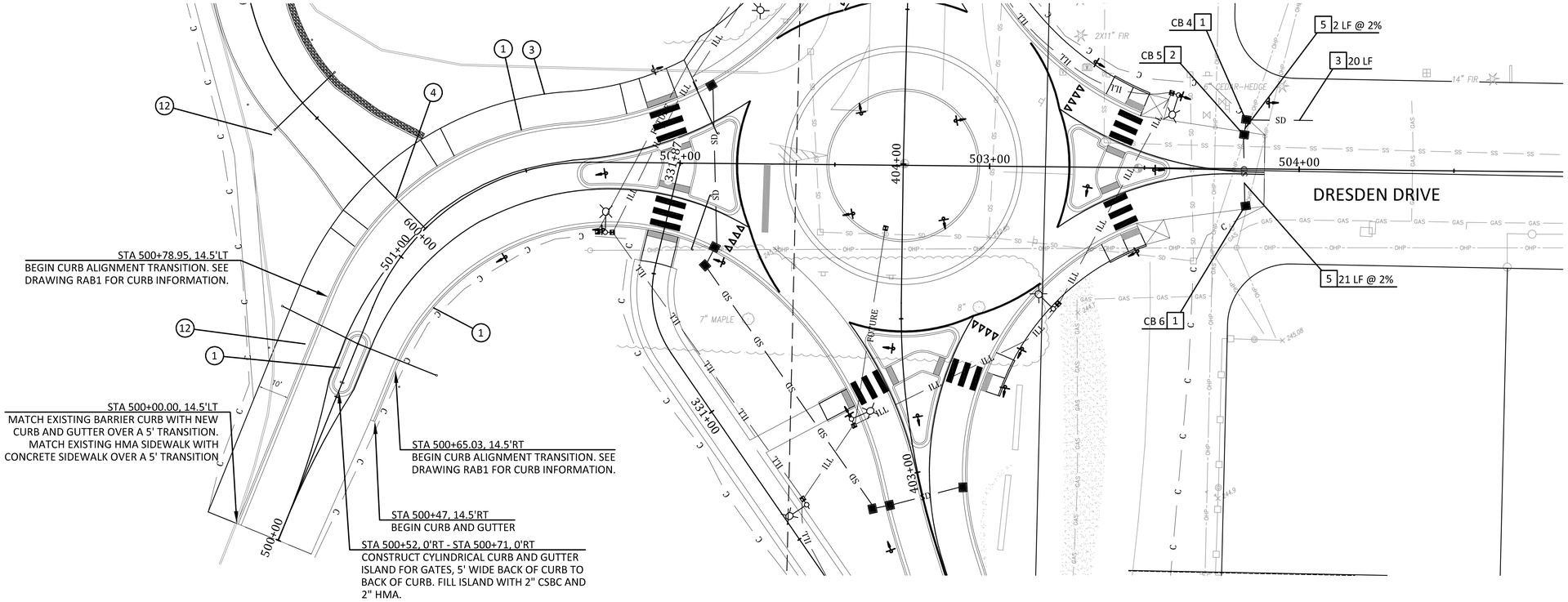
CITY OF LAKEWOOD, WA
1996

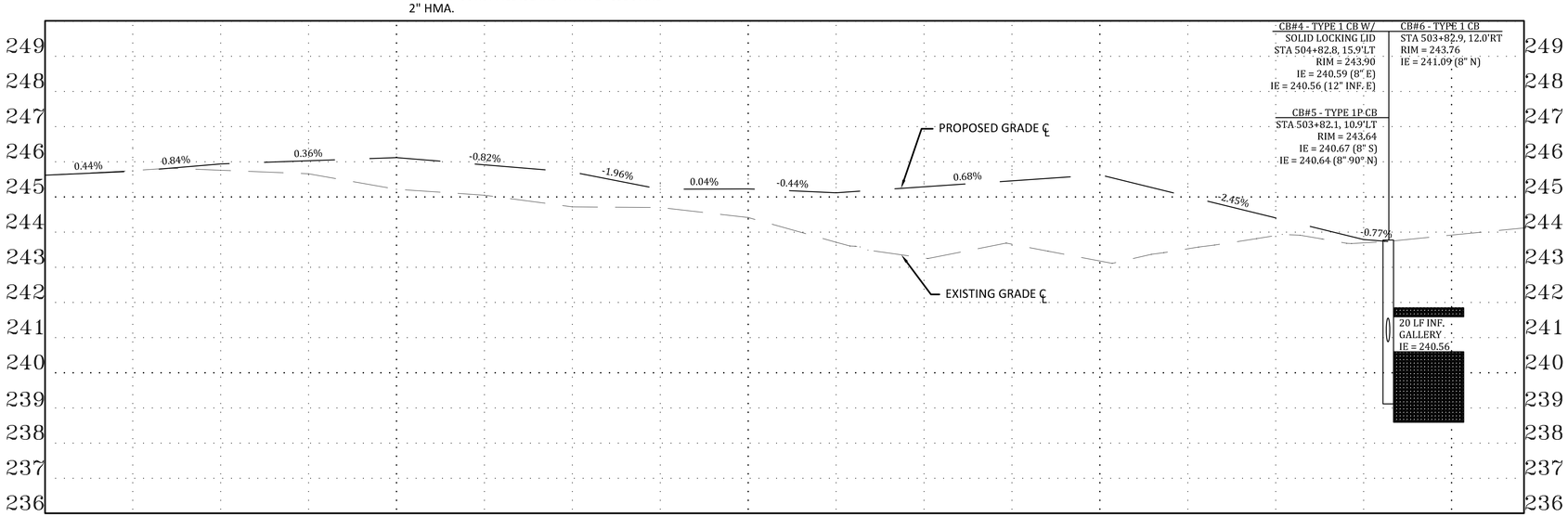
TROY S. POKSWINSKI
45879
4/10/23

Project Name:
ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

Drawing Name:
PLAN AND PROFILE STA. 405+00 TO STA. 408+37

Job No. 302.0156
Drawing No. PP13
Sheet 26 of 49





CONSTRUCTION NOTES

1. CEMENT CONC. TRAFFIC CURB AND GUTTER PER CITY OF LAKEWOOD STD PLAN FR-04
2. CEMENT CONC. PEDESTRIAN CURB PER CITY OF LAKEWOOD STD PLAN FR-04
3. CEMENT CONC. SIDEWALK PER CITY OF LAKEWOOD STD PLAN FR-03
4. CEMENT CONC. DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STD PLAN F-80.10-04
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9. INSTALL MAILBOX PER WSDOT STD PLAN H-70.10-02
10. INSTALL MONUMENT PER CITY OF LAKEWOOD STD PLAN MI-02
11. ADJUST VALVE BOX. OBTAIN NEW BOX FROM LAKEWOOD WATER DISTRICT OR PSE
12. INSTALL GATES PER DETAIL DRAWING DT2

STORM DRAINAGE NOTES

1. INSTALL TYPE 1 CB PER WSDOT STD PLAN B-5.20-03
2. INSTALL TYPE 1P CB PER COL STD PLAN SW-03
3. INFILTRATION TRENCH PER COL STD PLAN SW-03
4. ADJUST CATCH BASIN TO FINISH GRADE
5. INSTALL SD PIPE PER TYPE AND SLOPE SHOWN
6. ADJUST CB WITH NEW THRU CURB INLET LID
7. CONNECT TO EXISTING STORM SEWER PIPE/CB

GENERAL NOTES

1. ALIGNMENT AND STATIONING PER SURVEYED MONUMENTS, SEE SHEETS 3-4
2. CURB ELEVATIONS ARE TO TOP BACK OF CURB

DRIVEWAY SCHEDULE

ALIGNMENT	STATION	OFFSET	WIDTH	SAWCUT (BACK OF WALK)
DRESDEN	501+12	13.6'LT	30'	N/A
DRIVEWAY CENTERLINE STATION AND BACK OF CURB OFFSET				

N

HORIZONTAL GRAPHIC SCALE
20 10 0 10 20
FULL SIZE GRAPHIC SCALE: 1"= 20'
HALF SIZE GRAPHIC SCALE: 1"= 40'

VERTICAL GRAPHIC SCALE
2 1 0 1 2
FULL SIZE GRAPHIC SCALE: 1"= 2'
HALF SIZE GRAPHIC SCALE: 1"= 4'

No.	Release/Revision	Re. Date	Re. By
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Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

CITY OF LAKEWOOD, WA ®1996®

TROY S. POKSWINSKI
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER
4/4/23

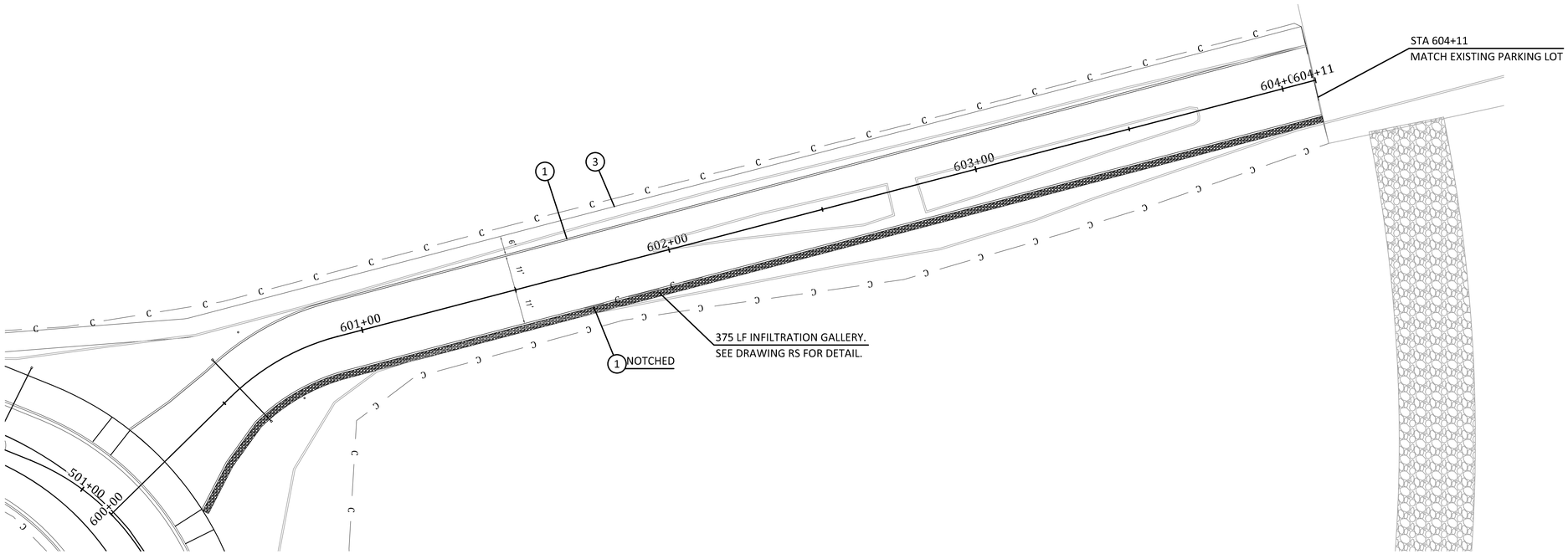
Project Name: ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

Drawing Name: PLAN AND PROFILE STA. 500+00 TO STA. 503+88

Job No. 302.0156

Drawing No. PP14

Sheet 27 of 49



○ CONSTRUCTION NOTES

1 CEMENT CONC. TRAFFIC CURB AND GUTTER PER CITY OF LAKEWOOD STD PLAN FR-04
2 CEMENT CONC. PEDESTRIAN CURB PER CITY OF LAKEWOOD STD PLAN FR-04
3 CEMENT CONC. SIDEWALK PER CITY OF LAKEWOOD STD PLAN FR-03
4 CEMENT CONC. DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STD PLAN F-80.10-04
5 CEMENT CONC. CURB RAMP TYPE PARALLEL PER WSDOT STD PLAN F-40.12-03
6 ADJUST MANHOLE PER PIERCE COUNTY STD DETAIL 1002A
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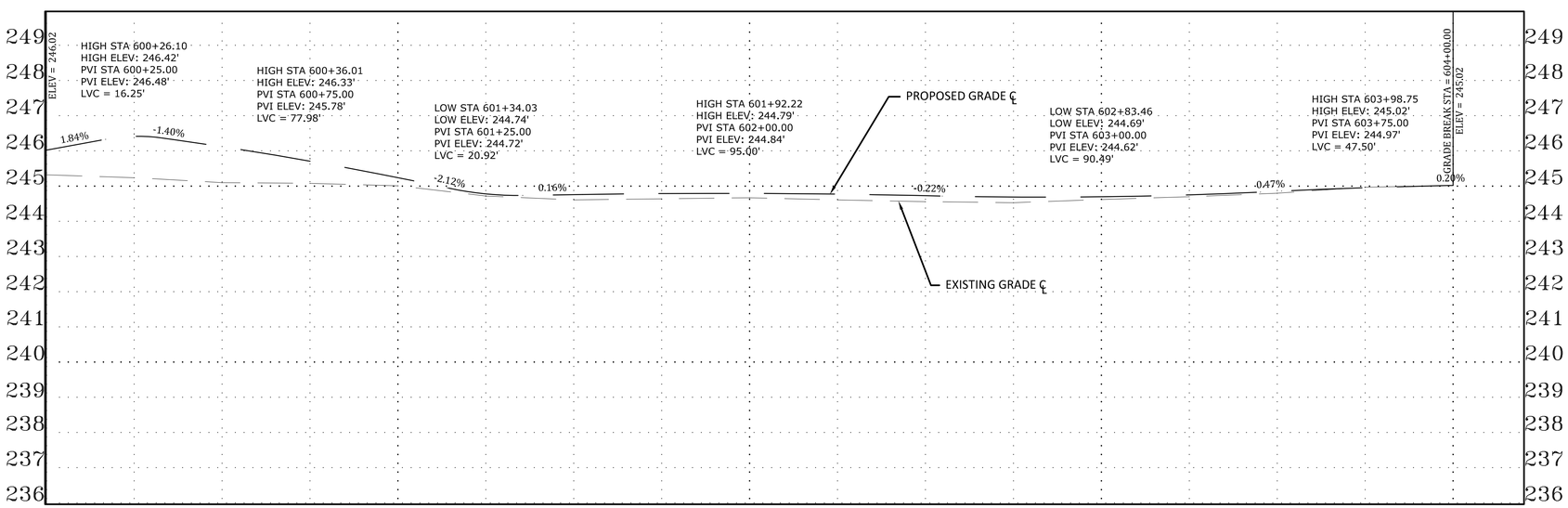
8 CEMENT CONC. CURB RAMP TYPE SINGLE DIRECTION PER WSDOT STD PLAN F-40.16-03
9 INSTALL MAILBOX PER WSDOT STD PLAN H-70.10-02
10 INSTALL MONUMENT PER CITY OF LAKEWOOD STD PLAN MI-02
11 ADJUST VALVE BOX. OBTAIN NEW BOX FROM LAKEWOOD WATER DISTRICT OR PSE
12 INSTALL GATES PER DETAIL DRAWING DT2

☐ STORM DRAINAGE NOTES

1 INSTALL TYPE 1 CB PER WSDOT STD PLAN B-5.20-03
2 INSTALL TYPE 1P CB PER COL STD PLAN SW-03
3 INFILTRATION TRENCH PER COL STD PLAN SW-03
4 ADJUST CATCH BASIN TO FINISH GRADE
5 INSTALL SD PIPE PER TYPE AND SLOPE SHOWN
6 ADJUST CB WITH NEW THRU CURB INLET LID
7 CONNECT TO EXISTING STORM SEWER PIPE/CB

GENERAL NOTES

1 ALIGNMENT AND STATIONING PER SURVEYED MONUMENTS, SEE SHEETS 3-4
2 CURB ELEVATIONS ARE TO TOP BACK OF CURB



	LTBC	EGCL	FGCL	RTBC
600+25	247.13'	245.24'	246.41'	246.69'
600+50	246.84'	245.10'	246.12'	246.40'
600+75	246.43'	245.08'	245.71'	245.99'
601+00	245.96'	245.01'	245.24'	245.52'
601+25	245.50'	244.72'	244.78'	245.06'
601+50	245.48'	244.61'	244.76'	245.04'
601+75	245.51'	244.64'	244.79'	245.07'
602+00	245.51'	244.67'	244.79'	245.07'
602+25	245.49'	244.61'	244.77'	245.05'
602+50	245.45'	244.56'	244.73'	245.01'
602+75	245.41'	244.53'	244.69'	244.97'
603+00	245.42'	244.62'	244.70'	244.98'
603+25	245.47'	244.70'	244.75'	245.03'
603+50	245.57'	244.80'	244.85'	245.13'
603+75	245.59'	244.97'	244.95'	245.28'
604+00	245.38'	245.02'	245.02'	245.51'

N

VERTICAL GRAPHIC SCALE
FULL SIZE GRAPHIC SCALE: 1"= 2'
HALF SIZE GRAPHIC SCALE: 1"= 4'

HORIZONTAL GRAPHIC SCALE
20 10 0 10 20
FULL SIZE GRAPHIC SCALE: 1"= 20'
HALF SIZE GRAPHIC SCALE: 1"= 40'

No.	Release/Revision	Re. Date	Re. By
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Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

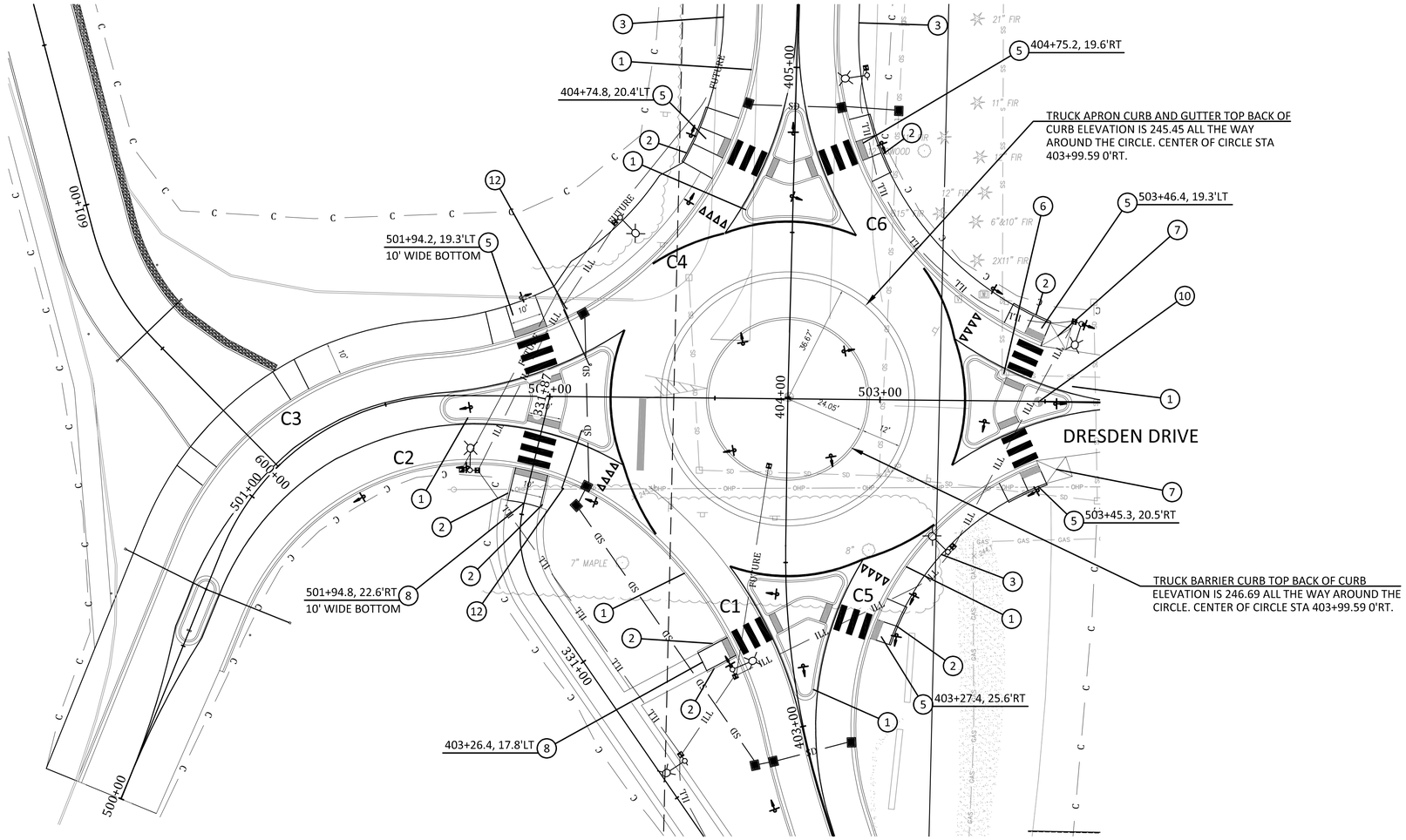
CITY OF LAKEWOOD, WA
1996

TROY S. POKSWINSKI
45879
4/19/23

Project Name:
ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

Drawing Name:
PLAN AND PROFILE STA. 600+00 TO STA. 604+11

Job No. 302.0156
Drawing No. PP15
Sheet 28 of 49



CONSTRUCTION NOTES

1. CEMENT CONC. TRAFFIC CURB AND GUTTER PER CITY OF LAKEWOOD STD PLAN FR-04
2. CEMENT CONC. PEDESTRIAN CURB PER CITY OF LAKEWOOD STD PLAN FR-04
3. CEMENT CONC. SIDEWALK PER CITY OF LAKEWOOD STD PLAN FR-03
4. CEMENT CONC. DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STD PLAN F-80.10-04
5. CEMENT CONC. CURB RAMP TYPE PARALLEL PER WSDOT STD PLAN F-40.12-03
6. ADJUST MANHOLE PER PIERCE COUNTY STD DETAIL 1002A
7. HMA RAMP PER DETAIL ON SHEET 5
8. CEMENT CONC. CURB RAMP TYPE SINGLE DIRECTION PER WSDOT STD PLAN F-40.16-03
9. INSTALL MAILBOX PER WSDOT STD PLAN H-70.10-02
10. INSTALL MONUMENT PER CITY OF LAKEWOOD STD PLAN MI-02
11. ADJUST VALVE BOX. OBTAIN NEW BOX FROM LAKEWOOD WATER DISTRICT OR PSE
12. INSTALL GATES PER DETAIL DRAWING DT2

STORM DRAINAGE NOTES

1. INSTALL TYPE 1 CB PER WSDOT STD PLAN B-5.20-03
2. INSTALL TYPE 1P CB PER COL STD PLAN SW-03
3. INFILTRATION TRENCH PER COL STD PLAN SW-03
4. ADJUST CATCH BASIN TO FINISH GRADE
5. INSTALL SD PIPE PER TYPE AND SLOPE SHOWN
6. ADJUST CB WITH NEW THRU CURB INLET LID
7. CONNECT TO EXISTING STORM SEWER PIPE/CB

GENERAL NOTES

1. ALIGNMENT AND STATIONING PER SURVEYED MONUMENTS, SEE SHEETS 3-4
2. CURB ELEVATIONS ARE TO TOP BACK OF CURB

ROUNDABOUT CURVE TABLE (STATION, OFFSET, AND ELEVATION ARE TO TOP BACK OF CURB)

CURVE NO	LENGTH	DELTA	RADIUS	BEG. STA	BEG. OFF	BEG.	Δ/8	Δ/4	3Δ/8	Δ/2	5Δ/8	3Δ/4	7Δ/8	END	END STA	END OFF
C1	80.26'	40°09'39.2"	114.5'	402+99.59	12.50' LT	244.35	244.49	244.64	244.77	244.98	245.13	245.21	245.30	245.18	502+23.28	36.00' RT
C2	137.72'	105°54'46.4"	74.5'	502+23.28	36.00' RT	245.18	245.08	245.30	245.51	245.76	245.97	246.19	246.39	246.63	500+65.03	14.50' RT
C3	101.75'	64°25'04.7"	90.5'	500+78.95	14.50' LT	246.60	246.70	246.84	246.84	246.64	246.45	246.19	245.93	245.62	501+65.49	13.00' LT
C4	154.87'	84°54'55.6"	104.5'	501+65.49	13.00' LT	245.62	245.36	245.13	245.16	245.25	245.06	244.95	244.92	245.05	405+14.65	12.50' LT
C5	128.74'	87°17'34.1"	84.5'	402+69.50	12.50' RT	244.49	244.33	244.43	244.67	245.01	245.20	245.29	245.06	244.90	503+48.13	19.35' RT
C6	120.21	69°13'21.3"	99.5'	503+49.11	18.16' LT	244.89	245.03	245.17	245.29	245.11	245.01	244.94	244.97	244.89	405+12.06	12.50' RT

N

HORIZONTAL GRAPHIC SCALE
20 10 0 10 20
FULL SIZE GRAPHIC SCALE: 1"= 20'
HALF SIZE GRAPHIC SCALE: 1"= 40'

No.	Release/Revision	Re. Date	Re. By
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Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

CITY OF LAKEWOOD, WA 1996

TROY S. POKSWINSKI STATE OF WASHINGTON 45349 REGISTERED PROFESSIONAL ENGINEER 4/4/23

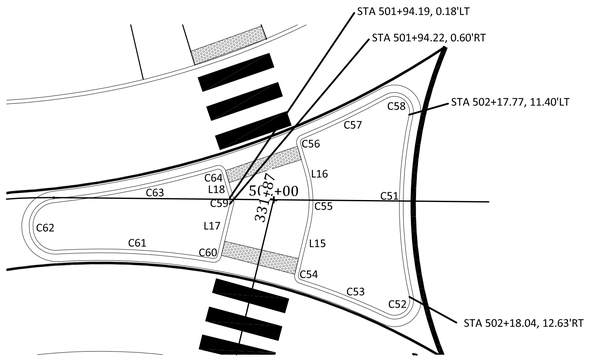
Project Name: ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

Drawing Name: ROUNDABOUT GRADING PLAN

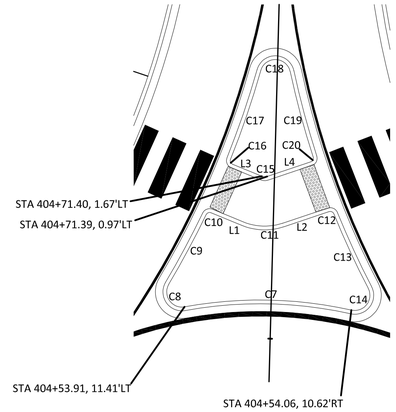
Job No. 302.0156

Drawing No. RAB1

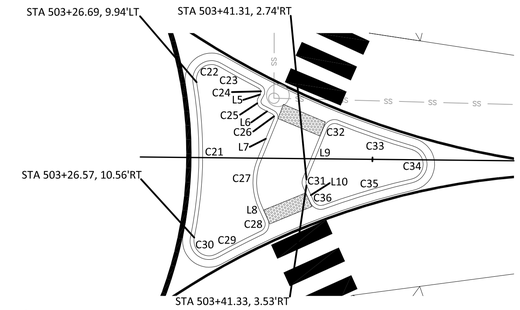
Sheet 29 of 49



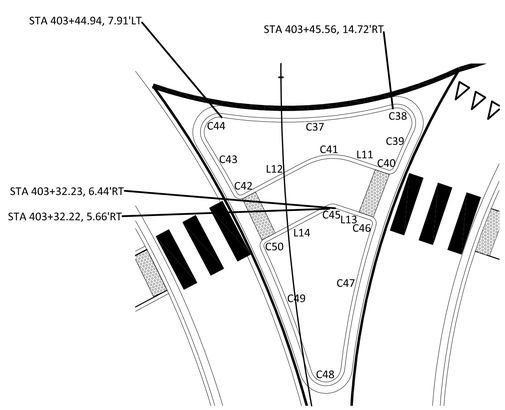
WEST SPLITTER TBC TABLE						
LINE/CURVE #	LENGTH	BEARING/Δ	RADIUS	BEG.	Δ/2	END
C51	24.23'	25°00'45.7"	55.5'	245.37	245.46	245.37
C52	4.47'	120°00'03.4"	2.0'	245.37	245.34	245.31
C53	12.37'	8°00'33.0"	88.5'	245.31	245.40	245.49
C54	0.75'	86°08'04.0"	0.5'	245.49	245.50	245.51
L15	6.49'	N13°32'42.0"E	N/A	245.51	245.56	245.61
C55	7.6'	30°01'50.8"	14.5'	245.61	245.58	245.55
L16	3.73'	N16°29'08.8"W	N/A	245.55	245.53	245.51
C56	0.73	83°50'33.4"	0.5'	245.51	245.50	245.49
C57	12.38'	5°59'09.9"	118.5'	245.49	245.40	245.31
C58	4.58'	131°03'38.6"	2.0'	245.31	245.34	245.37
C59	0.79'	29°59'44.2"	1.5'	245.67	245.68	245.68
L17	7.02'	S13°32'42.0"W	N/A	245.68	245.64	245.61
C60	0.75'	86°08'04"	0.5'	245.61	245.61	245.61
C61	20.62'	13°20'52.0"	88.5'	245.61	245.69	245.76
C62	4.67'	89°09'21.2"	3.0'	245.76	245.81	245.76
C63	22.11'	10°41'25.5"	118.5'	245.76	245.69	245.61
C64	0.79'	90°24'10.7"	0.5'	245.61	245.61	245.61
L18	3.59'	S16°27'02.3"E	N/A	245.61	245.64	245.67



NORTH SPLITTER TBC TABLE						
LINE/CURVE #	LENGTH	BEARING/Δ	RADIUS	BEG.	Δ/2	END
C7	22.17'	22°54'11.7"	55.5'	245.37	245.46	245.37
C8	4.57'	131°03'38.6"	2.0'	245.37	245.34	245.31
C9	10.42'	5°02'16.2"	118.5'	245.31	245.27	245.24
C10	0.76'	86°37'39.8"	0.5'	245.24	245.23	245.22
L1	4.38'	S67°40'42.8"E	N/A	245.26	245.30	245.33
C11	5.70'	40°49'53.2"	8.0'	244.33	244.36	244.33
L2	6.28'	N71°29'24.0"E	N/A	245.33	245.30	245.26
C12	0.75'	86°28'46.6"	0.5'	245.26	245.25	245.24
C13	10.83'	5°27'53.7"	113.5'	245.24	245.27	245.31
C14	4.54'	130°03'30.1"	2.0'	245.31	245.34	245.37
C15	0.71'	84°54'55.6"	1.0'	245.28	245.29	245.28
L3	4.18'	N67°40'42.8"W	N/A	245.28	245.26	245.23
C16	0.78'	89°31'06.7"	0.5'	245.23	245.22	245.21
C17	12.38'	5°59'13.4"	118.5'	245.21	245.18	245.15
C18	5.31'	152°02'36.7"	2.0'	245.15	245.17	245.15
C19	11.70'	5°54'13.7"	113.5'	245.15	245.18	245.21
C20	0.78'	89°29'50.6"	0.5'	245.21	245.22	245.23
L4	6.07'	S71°29'24.0"W	N/A	245.23	245.26	245.28



EAST SPLITTER TBC TABLE						
LINE/CURVE #	LENGTH	BEARING/Δ	RADIUS	BEG.	Δ/2	END
C21	20.62'	21°17'26.0"	55.5'	245.37	245.46	245.37
C22	4.54'	130°03'30.1"	2.0'	245.37	245.35	245.33
C23	5.98'	3°01'02.1"	113.5'	245.33	245.32	245.30
C24	0.80'	91°25'55.4"	0.5'	245.30	245.30	245.30
L5	0.67'	S28°43'31.3"W	N/A	245.30	245.31	245.31
C25	1.60'	91°32'58.3"	1.0'	245.31	245.31	245.30
L6	1.63'	S62°50'46.7"E	N/A	245.30	245.29	245.29
C26	074'	85°09'09.5"	0.5'	245.29	245.29	245.30
L7	5.77'	S22°18'22.8"W	N/A	245.30	245.35	245.39
C27	6.51'	46°38'04.3"	8.0'	245.39	245.42	245.37
L8	2.01'	S24°19'41.5"E	N/A	245.37	245.34	245.31
C28	1.56'	89°08'10.4"	1.0'	245.31	245.31	245.32
C29	6.59'	3°49'56.3"	98.50'	245.32	245.33	245.35
C30	4.56'	130°34'01.4"	2.0'	245.35	245.36	245.37
C31	0.81'	46°38'04.3"	1.0'	245.32	245.33	245.34
L9	7.31'	N22°18'22.8"E	N/A	245.34	245.30	245.27
C32	1.56'	89°14'57.8"	1.0'	245.27	245.26	245.25
C33	10.48'	5°17'32.6"	113.5'	245.25	245.05	244.85
C34	5.26'	150°48'35.3"	2.0'	244.85	244.87	244.85
C35	12.17'	7°04'42.4"	98.5'	244.85	244.99	245.18
C36	1.50'	85°40'37.6"	1.0'	245.18	245.20	245.22
L10	2.28'	N24°19'41.5"W	N/A	245.22	245.27	245.32



SOUTH SPLITTER TBC TABLE						
LINE/CURVE #	LENGTH	BEARING/Δ	RADIUS	BEG.	Δ/2	END
C37	22.79'	23°31'47.2"	55.5'	245.37	245.46	245.37
C38	4.56'	130°34'01.4"	2.0	245.37	245.35	245.33
C39	5.55'	3°13'34.1"	98.5'	245.33	245.20	245.08
C40	0.75'	85°56'43.4"	0.5'	245.08	245.07	245.08
L11	5.07'	N71°27'26.6"W	N/A	245.08	245.11	245.13
C41	6.48'	46°24'55.9"	8.0'	245.13	245.17	245.13
L12	9.29'	S62°07'37.4"W	N/A	245.13	245.10	245.08
C42	0.78'	89°33'21.0"	0.5'	245.08	245.07	245.08
C43	8.06'	3°35'42.0"	128.5'	245.08	245.20	245.33
C44	4.56'	130°41'53.4"	2.0'	245.33	245.35	245.37
C45	0.81'	46°24'55.9"	1.0'	245.09	245.08	245.07
L13	4.83'	S71°27'26.6"E	N/A	245.07	245.03	244.99
C46	0.78'	89°25'16.5"	0.5'	244.99	244.98	244.97
C47	19.47'	11°19'26.8"	98.5'	244.97	244.78	244.61
C48	5.46'	156°24'36.3"	2.0'	244.61	244.63	244.61
C49	17.52'	7°48'43.8"	128.5'	244.61	244.78	244.97
C50	0.75'	86°53'21.8"	0.5'	244.97	244.98	244.99
L14	9.47'	N62°07'37.4"E	N/A	244.99	245.04	245.09

N

HORIZONTAL GRAPHIC SCALE
10 5 0 5 10
FULL SIZE GRAPHIC SCALE: 1"= 10'
HALF SIZE GRAPHIC SCALE: 1"= 20'

No.	Release/Revision	Re. Date	Re. By
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Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

CITY OF LAKEWOOD, WA 1996

TROY S. POKSWINSKI STATE OF WASHINGTON 45079 REGISTERED PROFESSIONAL ENGINEER 4/10/23

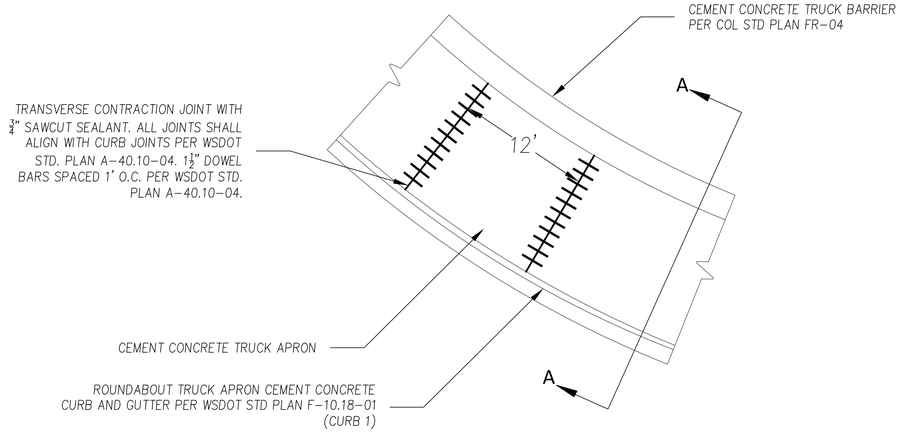
Project Name: ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

Drawing Name: ROUNDABOUT SPLITTER ISLAND

Job No. 302.0156

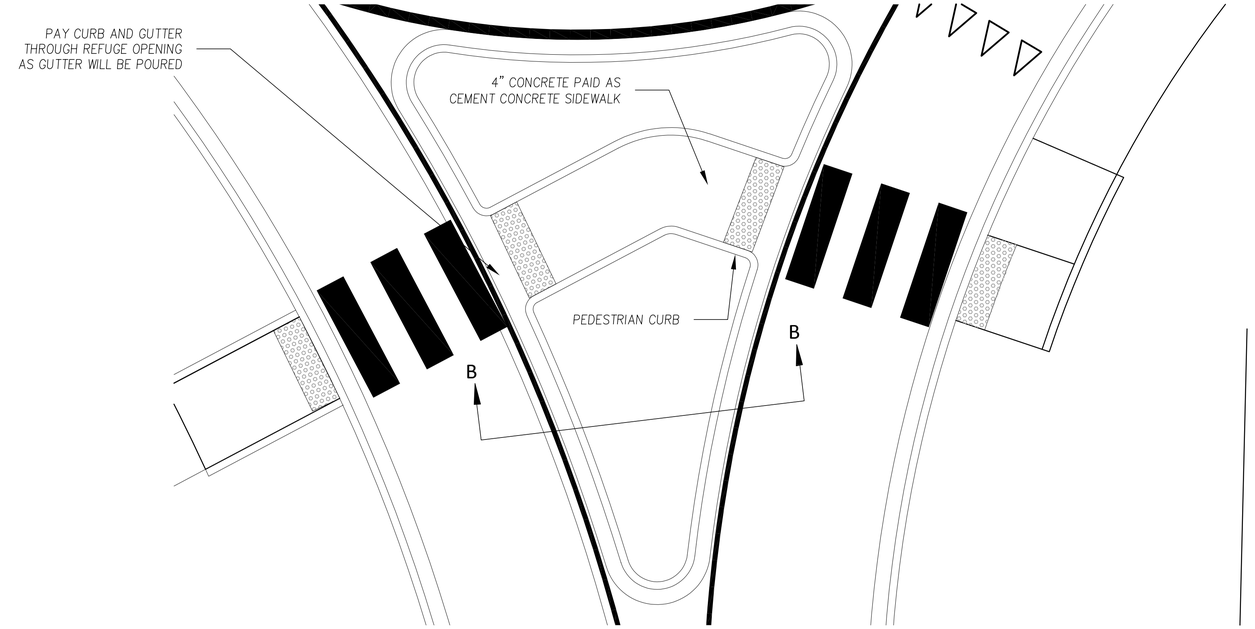
Drawing No. RAB2

Sheet 30 of 49



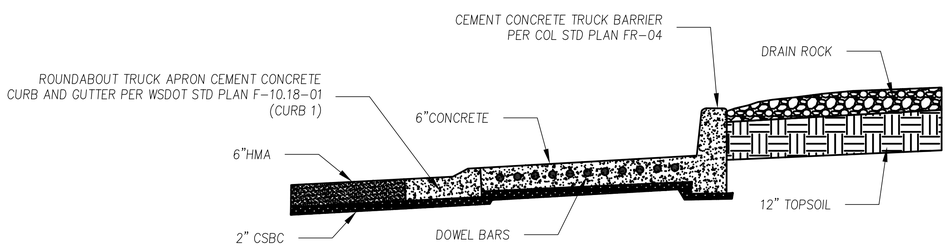
TRUCK APRON PLAN VIEW DETAIL

SCALE: NTS



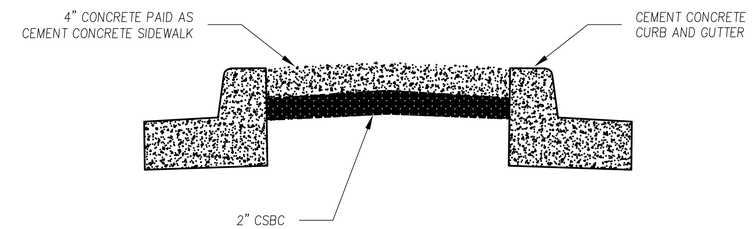
SPLITTER ISLAND PLAN DETAIL

SCALE: NTS



A **TRUCK APRON SECTION A DETAIL**

SCALE: NTS



B **SPLITTER ISLAND SECTION B DETAIL**

SCALE: NTS

HORIZONTAL GRAPHIC SCALE
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FULL SIZE GRAPHIC SCALE: 1"= 20'
HALF SIZE GRAPHIC SCALE: 1"= 40'

No.	Release/Revision	Re. Date	Re. By
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Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22 | Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

CITY OF LAKEWOOD, WA ·1996·

TROY S. POKSWINSKI STATE OF WASHINGTON 45079 REGISTERED PROFESSIONAL ENGINEER 4/10/23

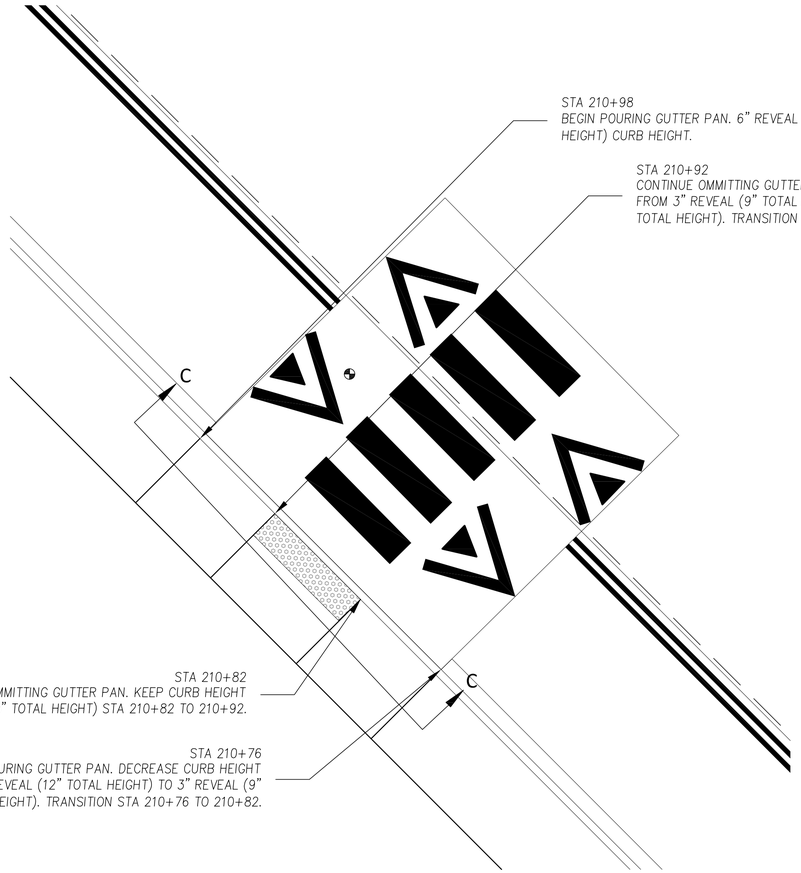
Project Name: ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

Drawing Name: PLAN AND PROFILE STA. 20+00 TO STA. 25+00

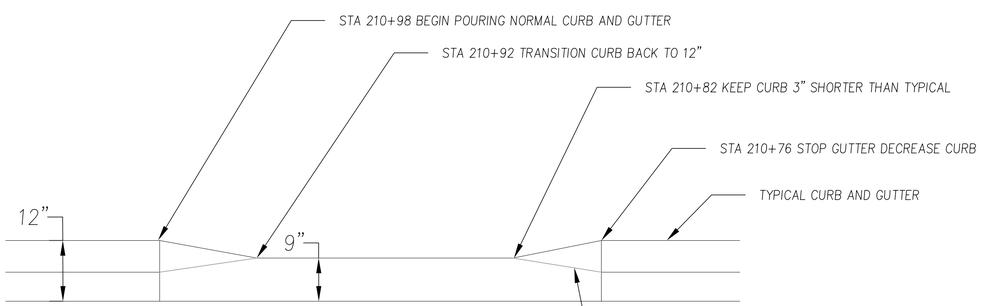
Job No. 302.0156

Drawing No. RAB3

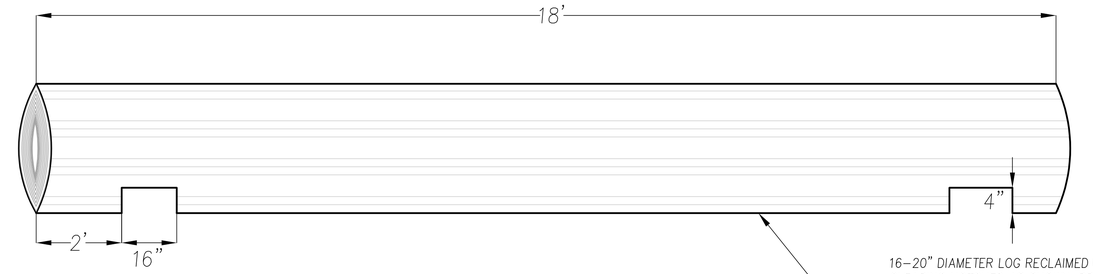
Sheet 31 of 49



SPEED HUMP CURB PLAN DETAIL
SCALE: NTS

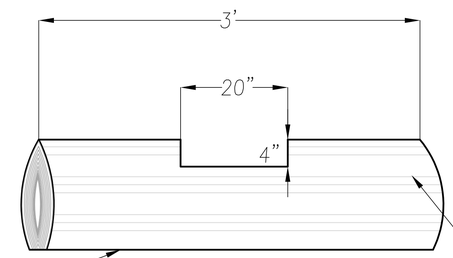


C **SPEED HUMP CURB SECTION C DETAIL**
SCALE: NTS



LOG BARRICADE CUT DETAIL
SCALE: NTS

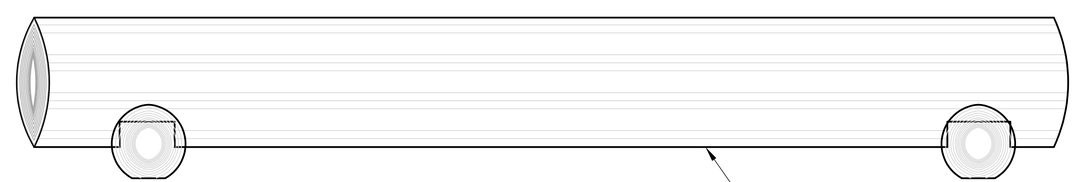
16–20" DIAMETER LOG RECLAIMED FROM CLEARING NOTCHED AS SHOWN. PROJECT REQUIRES THREE BARRICADES; SALVAGE THREE LOGS FOR THIS WORK.
LOG WEIGHT IS ANTICIPATED TO BE 1,500–2,000 LBS. ENGINEER DOES NOT WARRANT SAFETY OF THIS BARRICADE SYSTEM FOR DAY TO DAY OR MOVING OPERATION.



PLANE 4" OFF BASE OF BASE LOG SO THAT IT SITS FLAT ON GRADE.

LOG BASE CUT DETAIL
SCALE: NTS

20" DIAMETER LOG RECLAIMED FROM CLEARING NOTCHED AS SHOWN. PROJECT REQUIRES THREE BARRICADES; SALVAGE TWELVE LOG BASE SECTIONS FOR THIS WORK. EACH BARRICADE WILL HAVE FOUR BASE SECTIONS. TWO FOR BARRICADE PLACEMENT AND TWO FOR PLACING BARRICADE LOG ON WHILE ACCESS IS IN USE. ENGINEER TO LAY EACH SYSTEM OUT IN THE FIELD.
LOG WEIGHT IS ANTICIPATED TO BE 300–350 LBS. ENGINEER DOES NOT WARRANT SAFETY OF THIS BARRICADE SYSTEM FOR DAY TO DAY OR MOVING OPERATION.



LOG BASE CUT DETAIL
SCALE: NTS

PLACE BARRICADE LOG OVER BASE LOG AS SHOWN.
LOG WEIGHT IS ANTICIPATED TO BE 2,000–2,500 LBS. ENGINEER DOES NOT WARRANT SAFETY OF THIS BARRICADE SYSTEM FOR DAY TO DAY OR MOVING OPERATION.

HORIZONTAL GRAPHIC SCALE
20 10 0 10 20
FULL SIZE GRAPHIC SCALE: 1"= 20'
HALF SIZE GRAPHIC SCALE: 1"= 40'

No.	Release/Revision	Re. Date	Re. By
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Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

CITY OF LAKEWOOD, WA 1996

TROY S. POKSWINSKI STATE OF WASHINGTON 45079 REGISTERED PROFESSIONAL ENGINEER 4/10/23

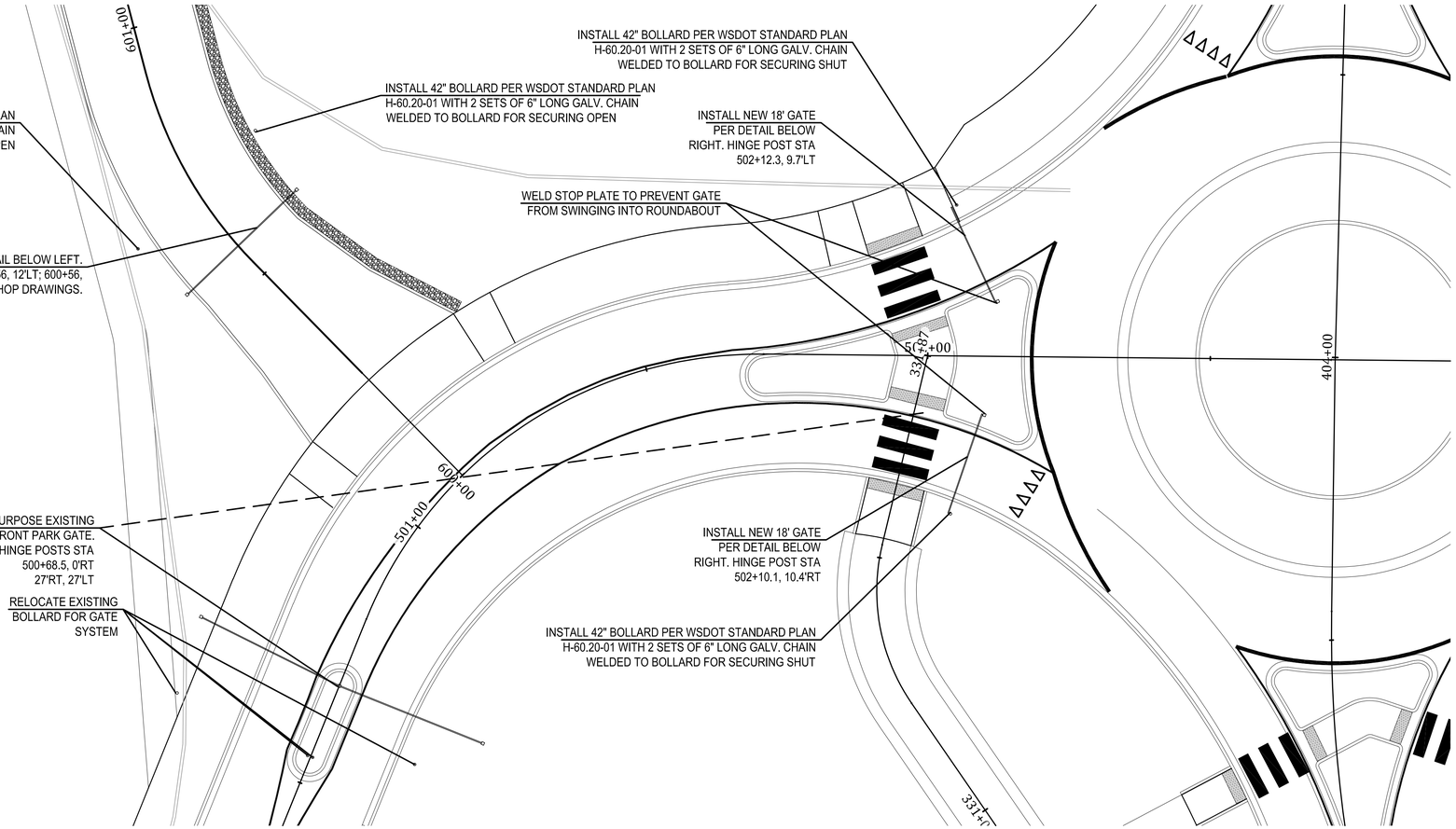
Project Name: ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

Drawing Name: PLAN AND PROFILE STA. 20+00 TO STA. 25+00

Job No. 302.0156

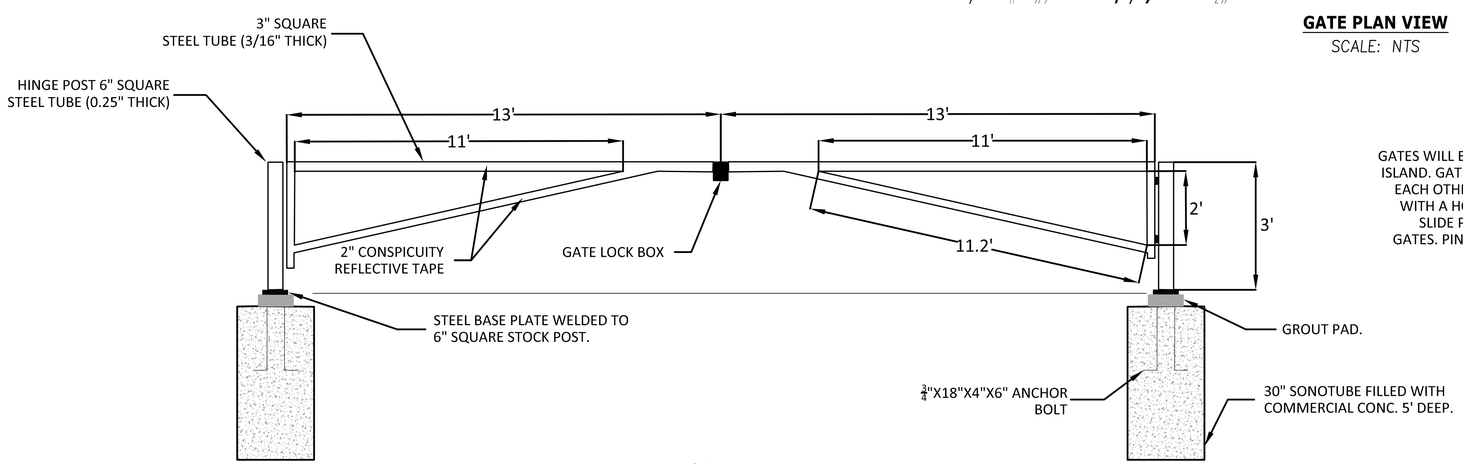
Drawing No. DT1

Sheet 32 of 49



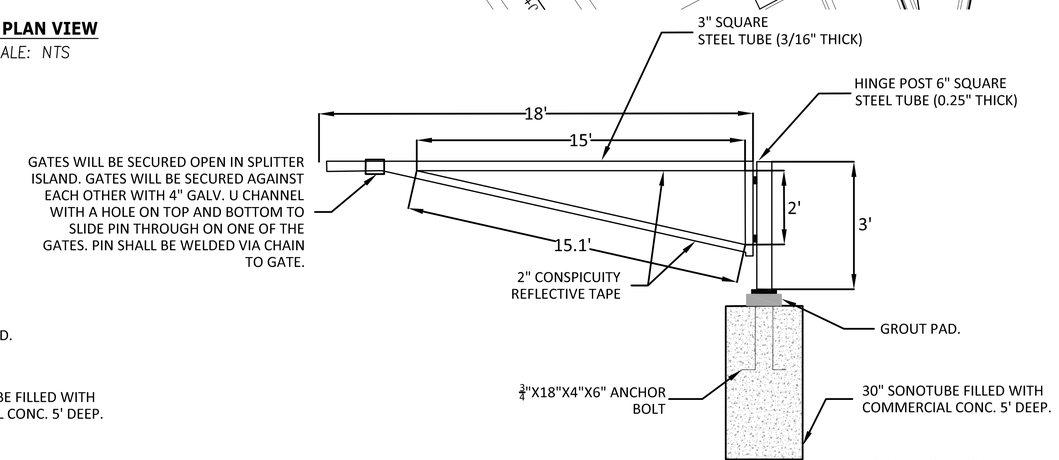
GATE PLAN VIEW

SCALE: NTS



26' GATE DETAIL

NOT TO SCALE



18' GATE DETAIL

HORIZONTAL GRAPHIC SCALE

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FULL SIZE GRAPHIC SCALE: 1"= 20'

HALF SIZE GRAPHIC SCALE: 1"= 40'

No.	Release/Revision	Re. Date	Re. By
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Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

CITY OF LAKEWOOD, WA 1996

TROY S. POKSWINSKI
STATE OF WASHINGTON
45809
REGISTERED PROFESSIONAL ENGINEER
4/10/23

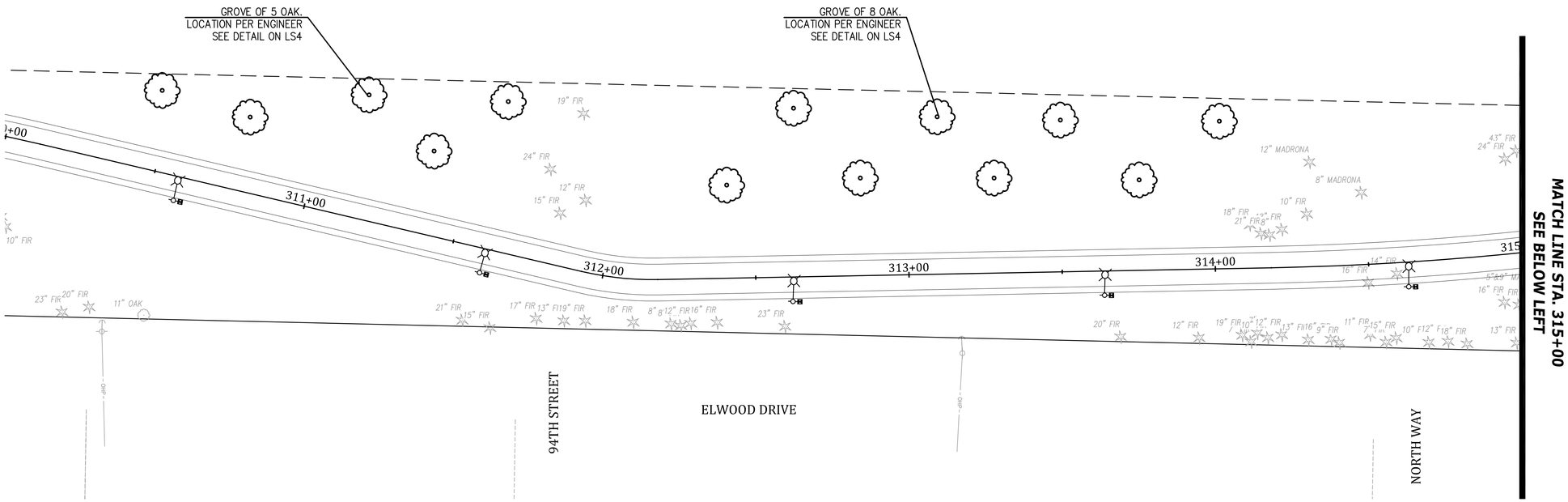
Project Name:
ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

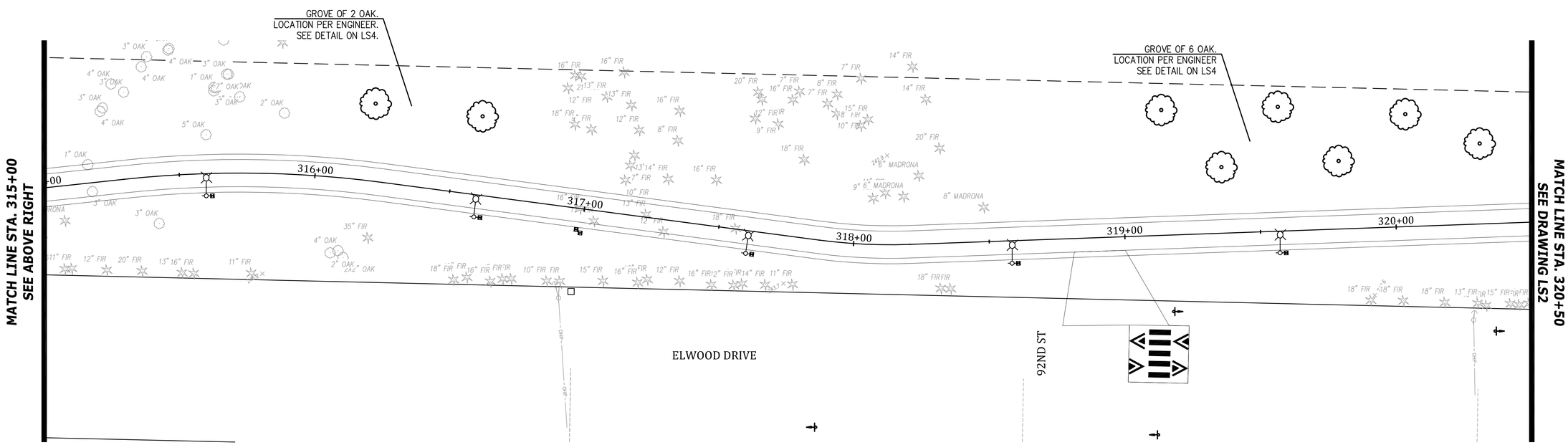
Drawing Name:
GATE DETAILS

Job No.
302.0156

Drawing No.
DT2

Sheet 33 of 49





HORIZONTAL GRAPHIC SCALE
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HALF SIZE GRAPHIC SCALE: 1"= 40'

No.	Release/Revision	Re. Date	Re. By

Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

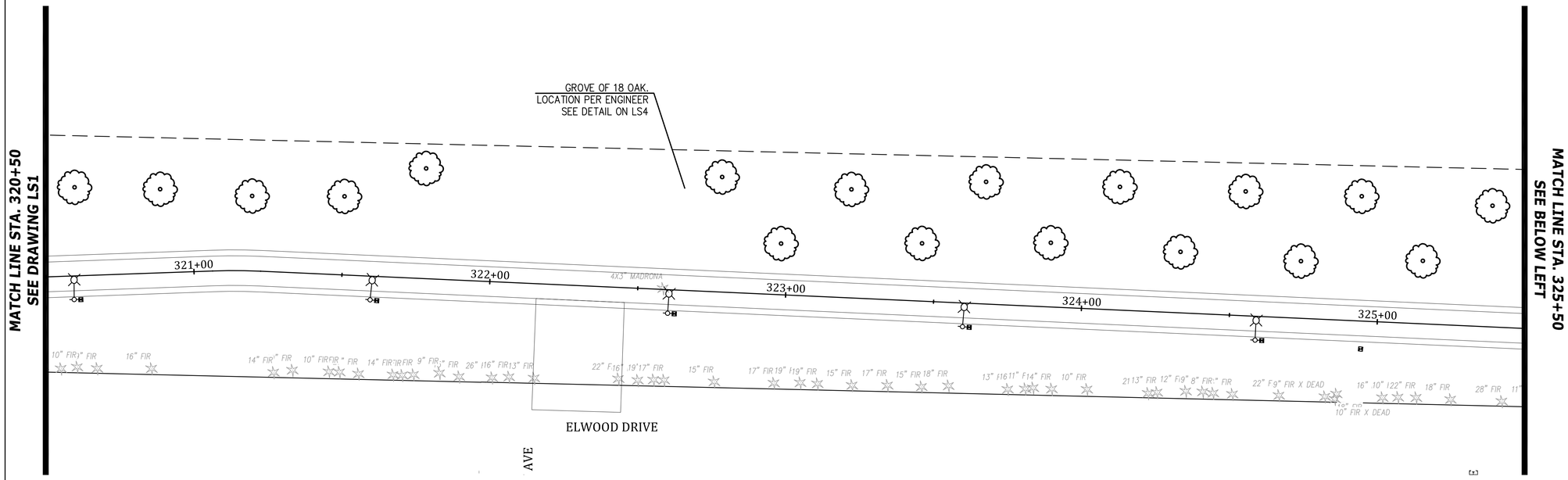
CITY OF LAKEWOOD, WA 1996

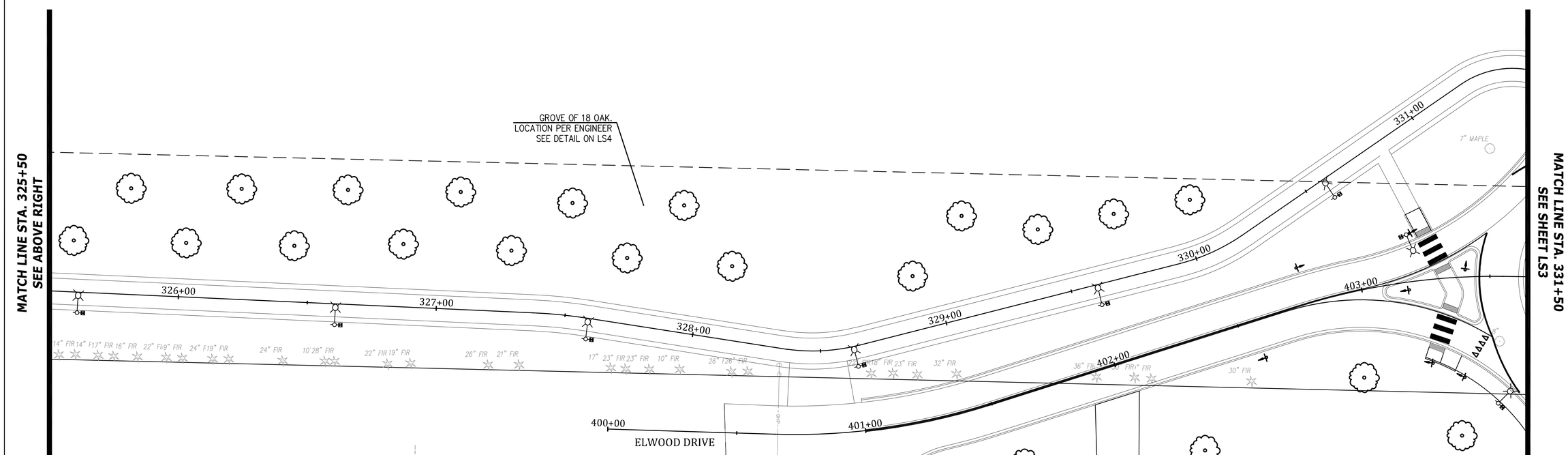
TODD S. POKSWINSKI
STATE OF WASHINGTON
45303
REGISTERED PROFESSIONAL ENGINEER
4/10/23

Project Name:
ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

Drawing Name:
LANDSCAPING PLAN - STA. 310+00 TO STA. 320+50

Job No. 302.0156
Drawing No. LS1
Sheet 34 of 49





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HALF SIZE GRAPHIC SCALE: 1"= 40'

No.	Release/Revision	Re. Date	Re. By
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Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

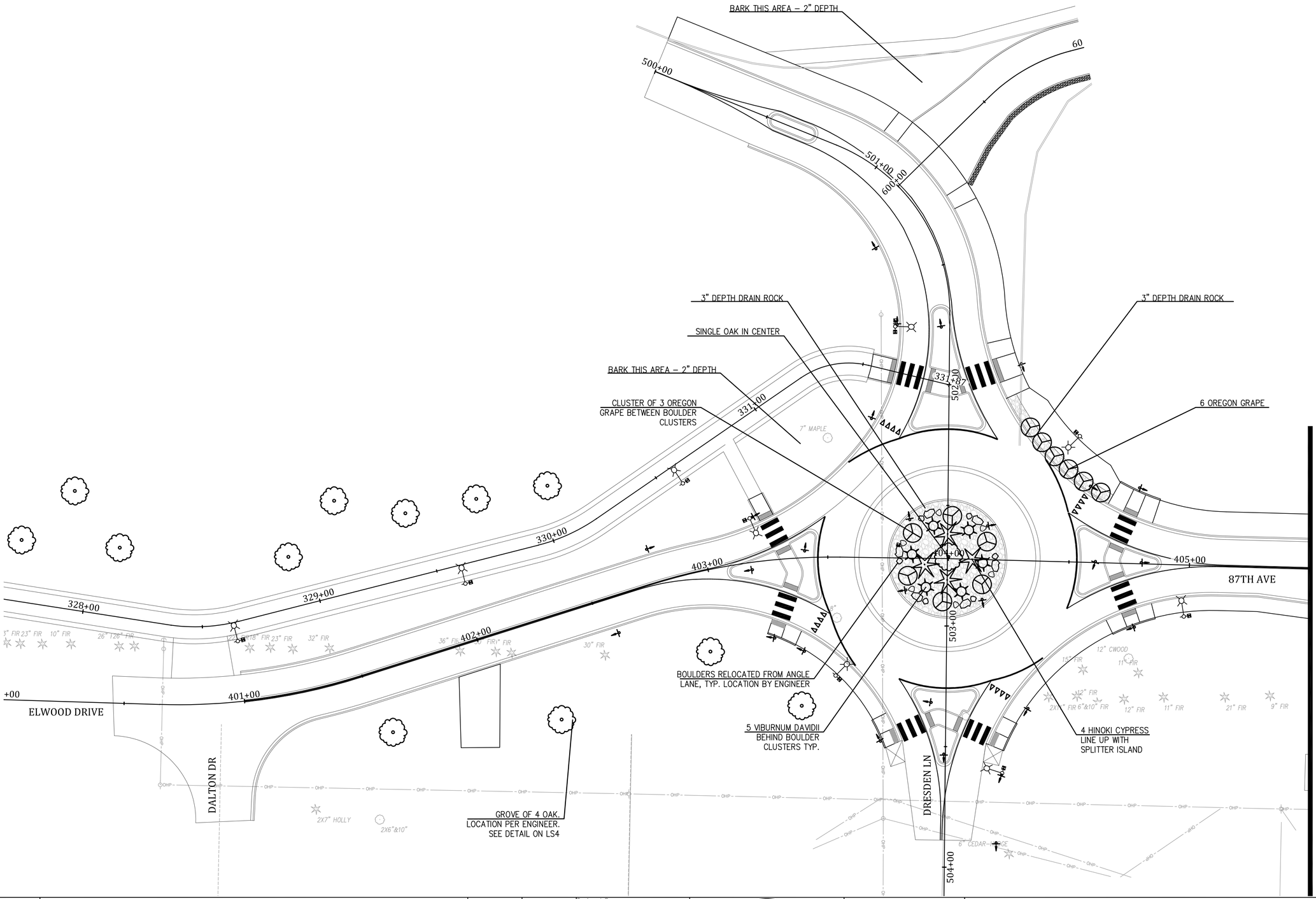
CITY OF LAKEWOOD, WA ●1996●

TADY S. POKSWINSKI
STATE OF WASHINGTON
46580
REGISTERED PROFESSIONAL ENGINEER
4/4/23

Project Name:
ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

Drawing Name:
LANDSCAPING PLAN - STA. 320+50 TO STA. 331+50

Job No. 302.0156
Drawing No. LS2
Sheet 35 of 49



HORIZONTAL GRAPHIC SCALE
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FULL SIZE GRAPHIC SCALE: 1"= 20'
HALF SIZE GRAPHIC SCALE: 1"= 40'

No.	Release/Revision	Re. Date	Re. By
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Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

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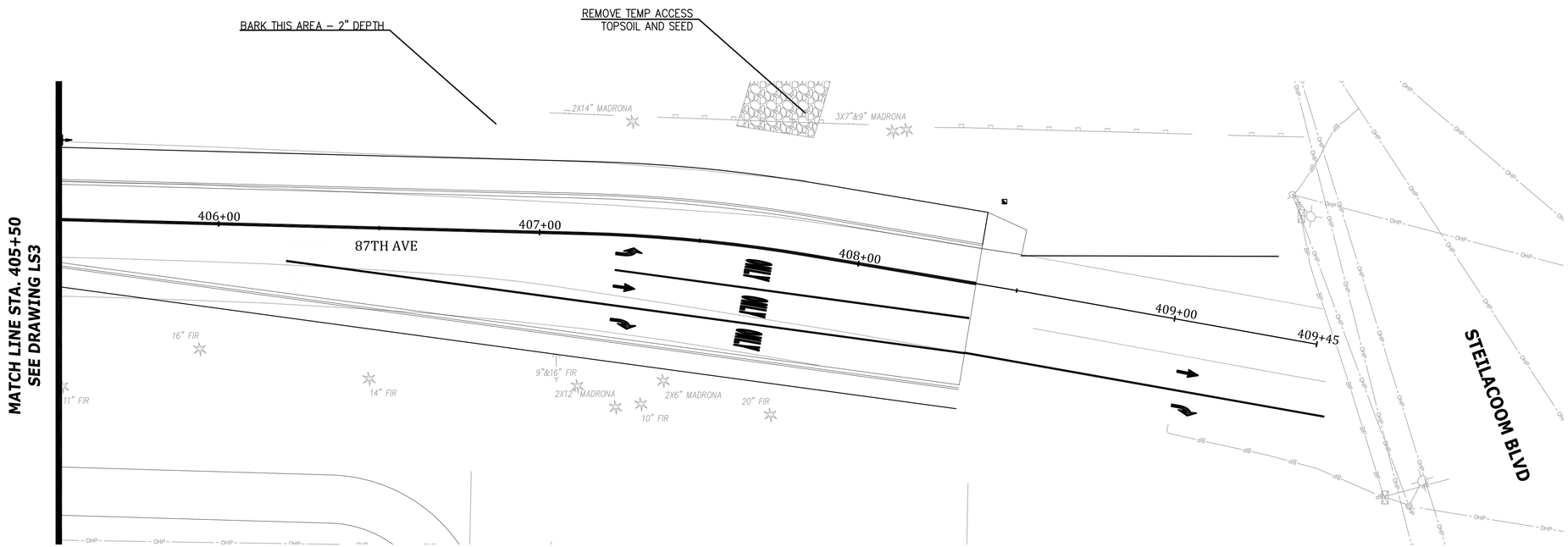
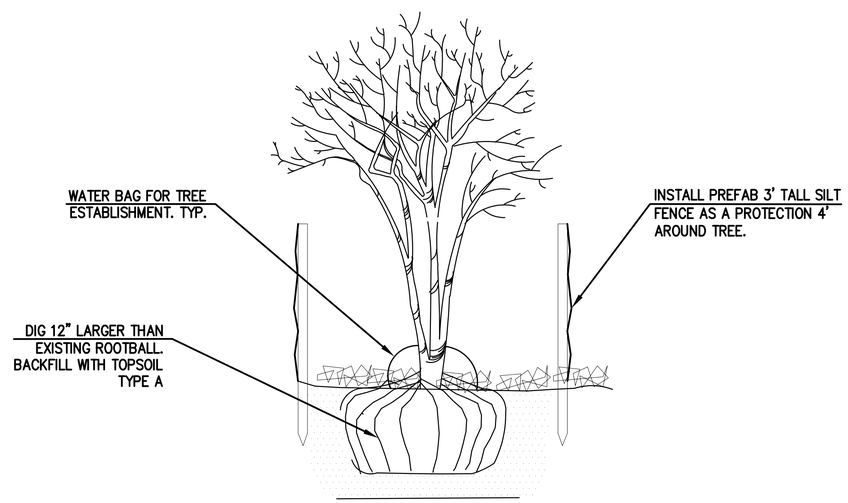
TROY S. POKSWINSKI
STATE OF WASHINGTON
45809
REGISTERED PROFESSIONAL ENGINEER
4/10/23

Project Name:
ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

Drawing Name:
LANDSCAPE PLAN - STA. 400+00 TO STA. 405+50

Job No. 302.0156
Drawing No. LS3
Sheet 36 of 49





OAK PLANTING DETAIL

NOT TO SCALE

HORIZONTAL GRAPHIC SCALE

20 10 0 10 20

FULL SIZE GRAPHIC SCALE: 1"= 20'
HALF SIZE GRAPHIC SCALE: 1"= 40'

No.	Release/Revision	Re. Date	Re. By
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Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

CITY OF LAKEWOOD, WA 1996

TROY S. POKSWINSKI STATE OF WASHINGTON 45309 REGISTERED PROFESSIONAL ENGINEER 4/10/23

Project Name:
ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

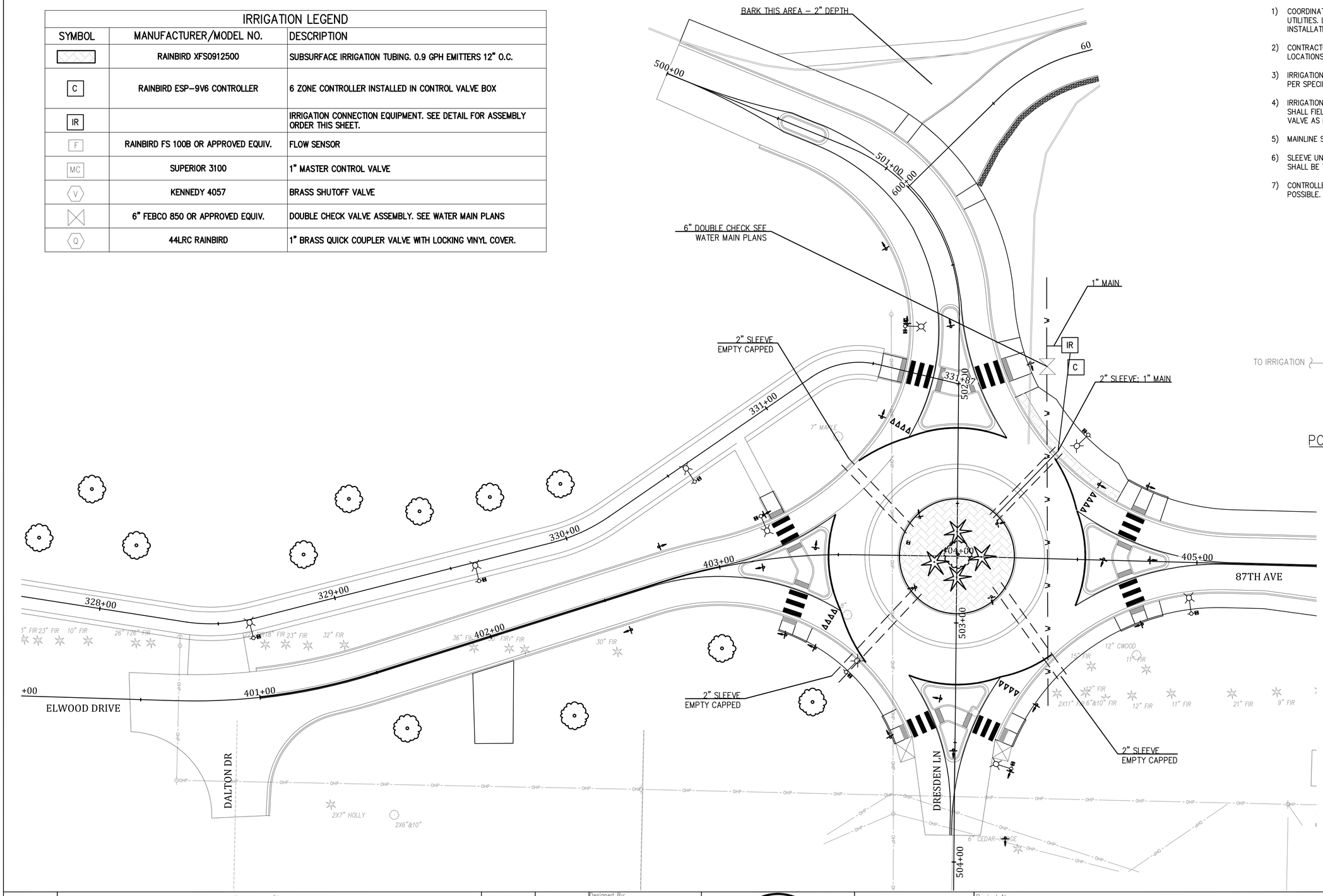
Drawing Name:
LANDSCAPE PLAN - STA. 405+50 TO STA. 409+45

Job No. 302.0156

Drawing No. LS4

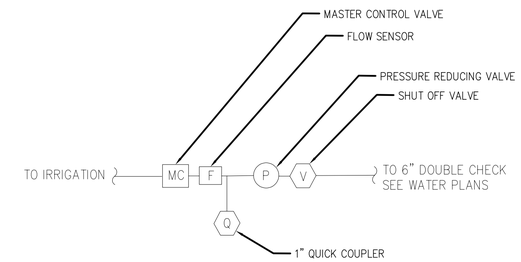
Sheet 37 of 49

IRRIGATION LEGEND		
SYMBOL	MANUFACTURER/MODEL NO.	DESCRIPTION
	RAINBIRD XFS0912500	SUBSURFACE IRRIGATION TUBING. 0.9 GPH EMITTERS 12" O.C.
C	RAINBIRD ESP-9V6 CONTROLLER	6 ZONE CONTROLLER INSTALLED IN CONTROL VALVE BOX
IR		IRRIGATION CONNECTION EQUIPMENT. SEE DETAIL FOR ASSEMBLY ORDER THIS SHEET.
F	RAINBIRD FS 100B OR APPROVED EQUIV.	FLOW SENSOR
MC	SUPERIOR 3100	1" MASTER CONTROL VALVE
V	KENNEDY 4057	BRASS SHUTOFF VALVE
	6" FEBCO 850 OR APPROVED EQUIV.	DOUBLE CHECK VALVE ASSEMBLY. SEE WATER MAIN PLANS
Q	44LRC RAINBIRD	1" BRASS QUICK COUPLER VALVE WITH LOCKING VINYL COVER.



GENERAL NOTES

1) COORDINATE INSTALLATION OF IRRIGATION SYSTEM WITH INSTALLATION OF OTHER UTILITIES. LOCATE AND PROTECT ALL UNDERGROUND UTILITIES DURING INSTALLATION OF IRRIGATION SYSTEM.
2) CONTRACTOR MUST COORDINATE SLEEVING, ROAD CROSSING AND PIPE LOCATIONS WITH INSTALLATION OF UNDERGROUND UTILITIES.
3) IRRIGATION SYSTEM SHALL BE INSTALLED, TESTED, MAINTAINED AND GUARANTEED PER SPECIFICATIONS.
4) IRRIGATION SYSTEM IS DESIGNED TO OPERATE AT 30–35 PSI, CONTRACTOR SHALL FIELD CHECK EXISTING WATER PRESSURE, ADJUSTING PRESSURE REDUCING VALVE AS NECESSARY TO PROVIDE OPTIMAL PERFORMANCE.
5) MAINLINE SHALL BE 1"ø PVC SCH 40, BURIED 24" BELOW FINISH GRADE.
6) SLEEVE UNDER ALL PAVED SURFACES AND CONCRETE SIDEWALK. SLEEVING SHALL BE TWICE THE DIAMETER AS THE PIPE AND BE SCH. 40 PVC.
7) CONTROLLER WIRES SHALL BE TAPED TO IRRIGATION MAIN OR LATERALS IF POSSIBLE.



POINT OF CONNECTION ASSEMBLY DETAIL

NOT TO SCALE

HORIZONTAL GRAPHIC SCALE
20 10 0 10 20
FULL SIZE GRAPHIC SCALE: 1"= 20'
HALF SIZE GRAPHIC SCALE: 1"= 40'

No.	Release/Revision	Re. Date	Re. By
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Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

CITY OF LAKEWOOD, WA 1996

TODD S. POKSWINSKI STATE OF WASHINGTON 45879 REGISTERED PROFESSIONAL ENGINEER 4/10/23

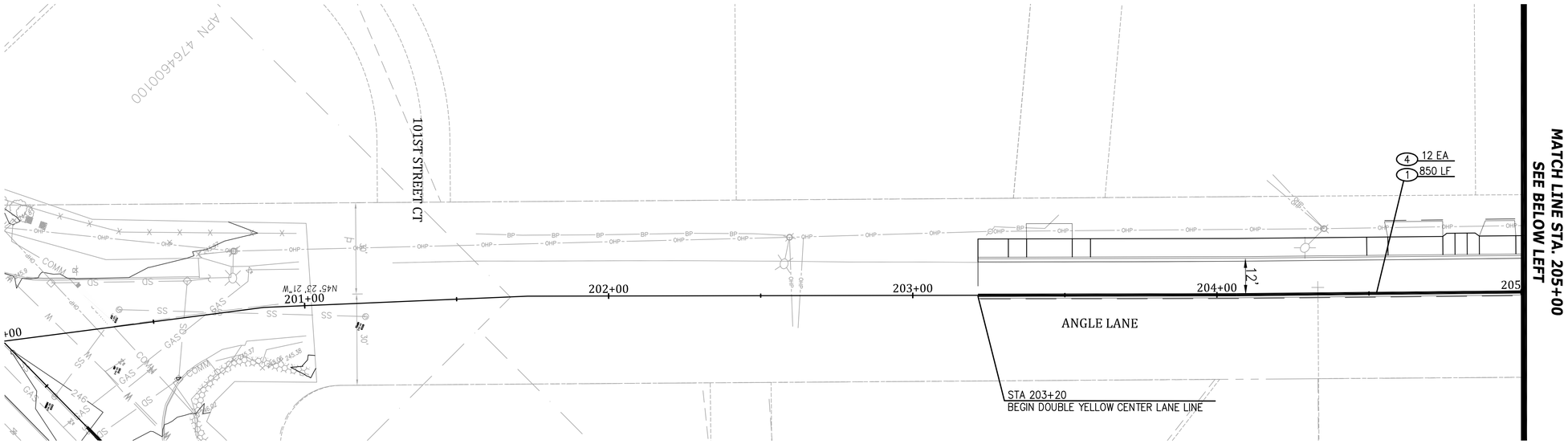
Project Name: ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

Drawing Name: IRRIGATION PLAN - STA. 400+00 TO STA. 405+50

Job No. 302.0156

Drawing No. IR

Sheet 38 of 49



CHANNELIZATION/ILLUMINATION NOTES

1. PROFILED PLASTIC LINE PER WSDOT STD PLAN M-20.20-02
2. PLASTIC WIDE LANE LINE PER WSDOT STD PLAN M-20.10-04
3. PLASTIC WHITE DOTTED ENTRY LINE PER WSDOT STD PLAN M-12.10-03 (PAID AS PLASTIC LINE)
4. RAISED PAVEMENT MARKER TYPE 2 (YY)
5. PLASTIC CROSSWALK LINE PER WSDOT STD PLAN M-15.10-01
6. PLASTIC YIELD LINE SYMBOL PET WSDOT STD PLAN M-24.60-04
7. PLASTIC TRAFFIC ARROW PER WSDOT STD PLAN M-24.40-02
8. PLASTIC TRAFFIC LETTER PER WSDOT STD PLAN M-80.30-00
9. LIGHT STANDARD FOUNDATION & JUNCTION BOX PER LAKEWOOD STD PLAN IS-02
10. INSTALL 100 AMP METER SERVICE PER CITY OF LAKEWOOD STD PLAN IS-07

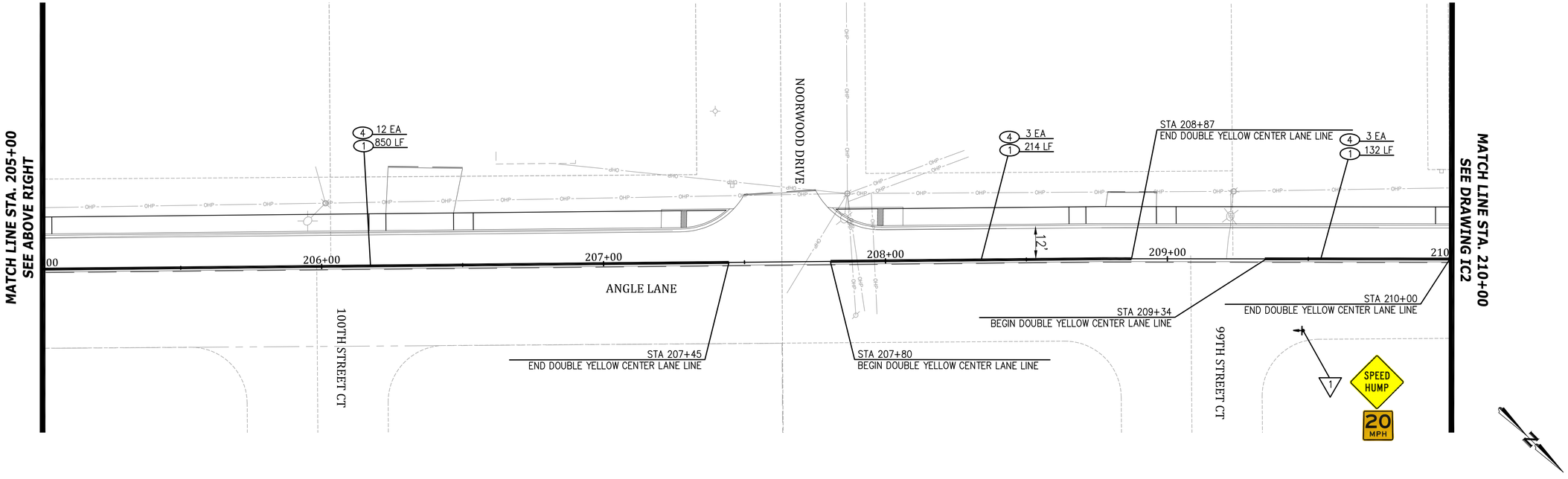
GENERAL NOTES

1. CHANNELIZATION PER WSDOT STD PLANS M-20.10 THRU M-20.40.

SIGN SCHEDULE

SIGN ID	ALIGN	STATION	OFFSET	TYPE	W X H	DESCRIPTION	COMMENTS
1	ANGLE	209+48	23.0' RT	W17-1 W13-1	30"X30" 18"X18"	SPEED HUMP 20 MPH WARNING	MOUNT ON NEW POST

NOTES: 1. SIGN MOUNTS PER CITY OF LAKEWOOD STANDARD PLAN PS-03



HORIZONTAL GRAPHIC SCALE
20 10 0 10 20
FULL SIZE GRAPHIC SCALE: 1"= 20'
HALF SIZE GRAPHIC SCALE: 1"= 40'

No.	Release/Revision	Re. Date	Re. By

Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

CITY OF LAKEWOOD, WA 1996

TROY S. POKSWINSKI, STATE OF WASHINGTON, 45879, REGISTERED PROFESSIONAL ENGINEER, 4/4/23

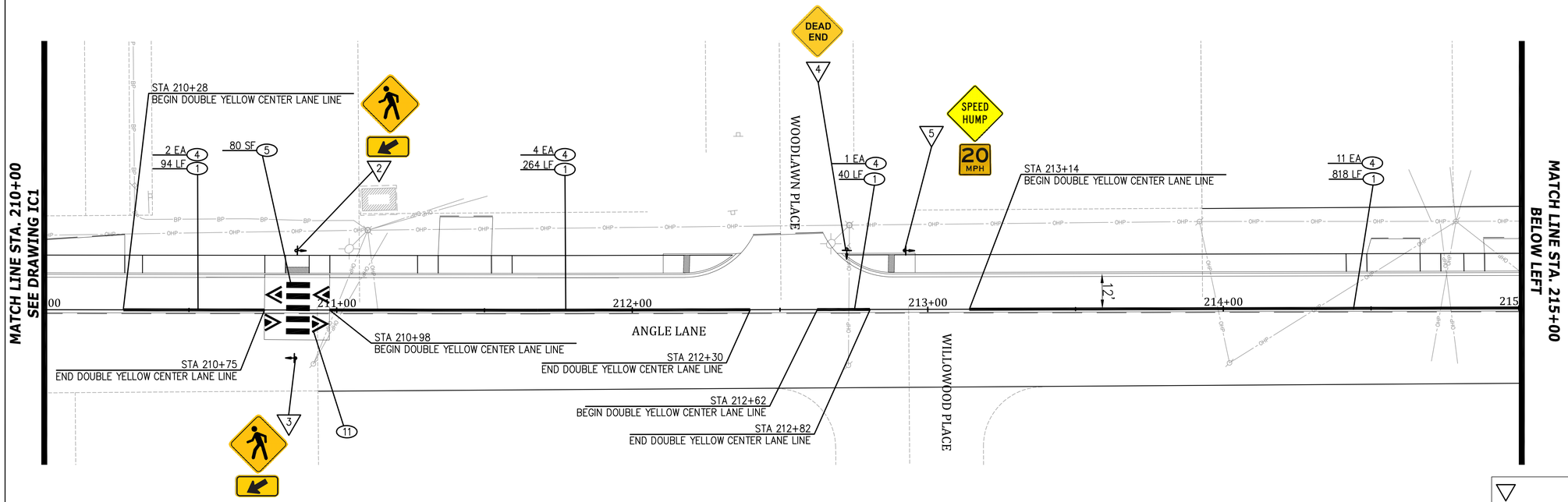
Project Name: ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

Drawing Name: ILLUM./CHANNELIZATION PLAN - STA. 200+00 TO STA. 210+00

Job No. 302.0156

Drawing No. IC1

Sheet 39 of 49



CHANNELIZATION/ILLUMINATION NOTES

1. PROFILED PLASTIC LINE PER WSDOT STD PLAN M-20.20-02
2. PLASTIC WIDE LANE LINE PER WSDOT STD PLAN M-20.10-04
3. PLASTIC WHITE DOTTED ENTRY LINE PER WSDOT STD PLAN M-12.10-03 (PAID AS PLASTIC LINE)
4. RAISED PAVEMENT MARKER TYPE 2 (YY)
5. PLASTIC CROSSWALK LINE PER WSDOT STD PLAN M-15.10-01
6. PLASTIC YIELD LINE SYMBOL PET WSDOT STD PLAN M-24.60-04
7. PLASTIC TRAFFIC ARROW PER WSDOT STD PLAN M-24.40-02
8. PLASTIC TRAFFIC LETTER PER WSDOT STD PLAN M-80.30-00
9. LIGHT STANDARD FOUNDATION & JUNCTION BOX PER LAKEWOOD STD PLAN IS-02
10. INSTALL 100 AMP METER SERVICE PER CITY OF LAKEWOOD STD PLAN IS-07
11. SPEED TABLE ARROWS (INCIDENTAL TO SPEED TABLE BID ITEM)

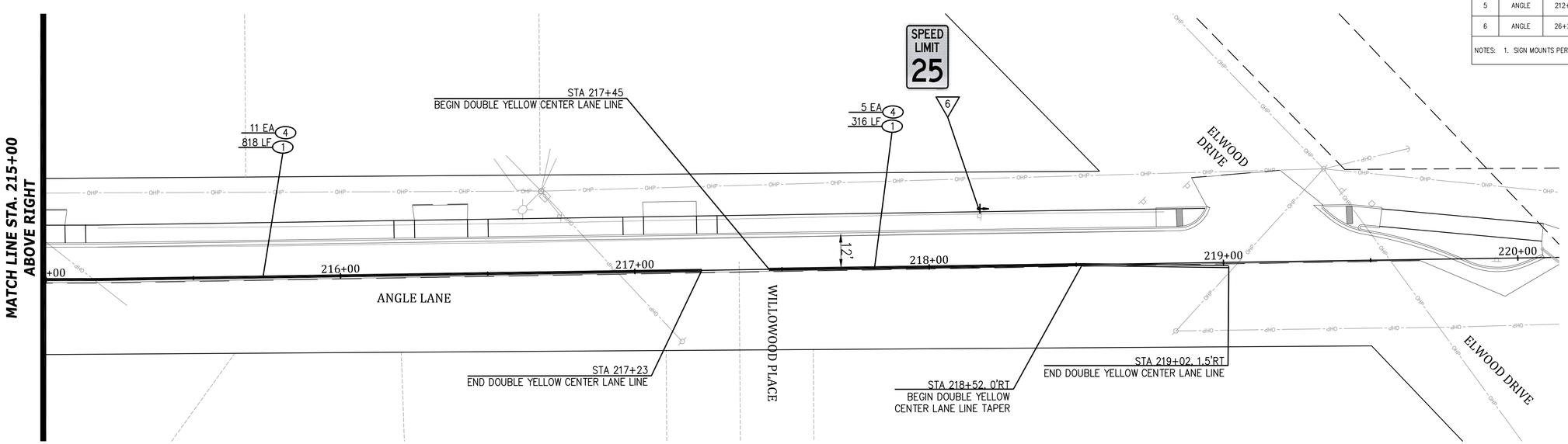
GENERAL NOTES

1. CHANNELIZATION PER WSDOT STD PLANS M-20.10 THRU M-20.40.

SIGN SCHEDULE

SIGN ID	ALIGN	STATION	OFFSET	TYPE	W X H	DESCRIPTION	COMMENTS
2	ANGLE	210+87	21' LT	W11-2 W16-7P	30"X30" 24"X12"	PEDESTRIAN CROSSING DOWNWARD ARROW	MOUNT ON NEW POST
3	ANGLE	210+87	21' RT	W11-2 W16-7P	30"X30" 24"X12"	PEDESTRIAN CROSSING DOWNWARD ARROW	MOUNT ON NEW POST
4	ANGLE	212+73	21' LT	W14-1	30"X30"	DEAD END	MOUNT ON NEW POST
5	ANGLE	212+92	21' LT	W17-1 W13-1	30"X30" 18"X18"	SPEED HUMP 20 MPH WARNING	MOUNT ON NEW POST
6	ANGLE	26+23.1	42.0' RT	R2-1	24"X30"	25 MPH SPEED LIMIT	MOUNT ON NEW POST

NOTES: 1. SIGN MOUNTS PER CITY OF LAKEWOOD STANDARD PLAN PS-03



HORIZONTAL GRAPHIC SCALE
20 10 0 10 20
FULL SIZE GRAPHIC SCALE: 1"= 20'
HALF SIZE GRAPHIC SCALE: 1"= 40'

No.	Release/Revision	Re. Date	Re. By
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Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

CITY OF LAKEWOOD, WA ©1996

TROY S. POKSWINSKI
STATE OF WASHINGTON
45879
REGISTERED PROFESSIONAL ENGINEER
4/10/23

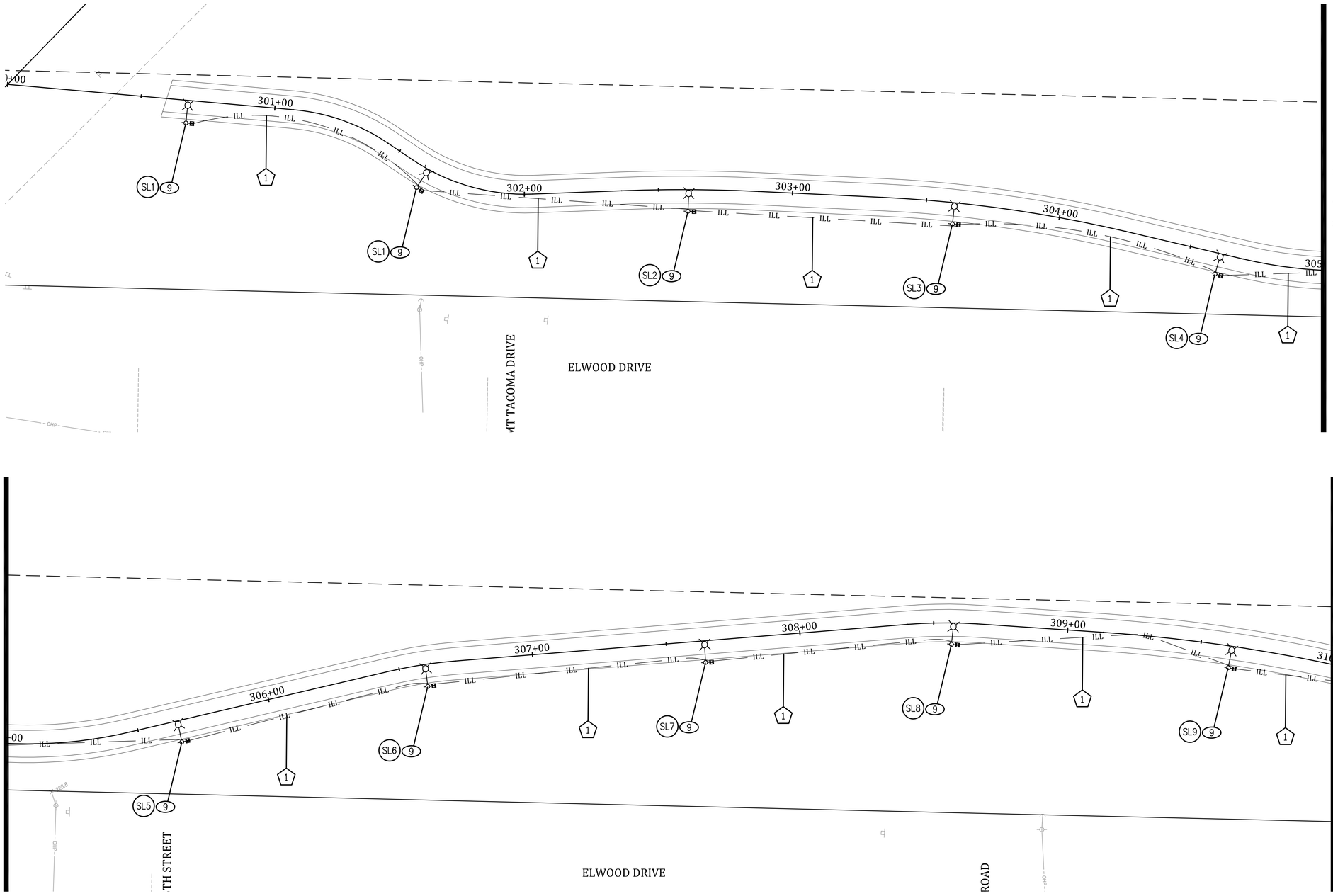
Project Name: ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

Drawing Name: ILLUM./CHANNELIZATION PLAN - STA. 210+00 TO STA. 220+00

Job No. 302.0156

Drawing No. IC2

Sheet 40 of 49



CHANNELIZATION/ILLUMINATION NOTES

1. PROFILED PLASTIC LINE PER WSDOT STD PLAN M-20.20-02
2. PLASTIC WIDE LANE LINE PER WSDOT STD PLAN M-20.10-04
3. PLASTIC WHITE DOTTED ENTRY LINE PER WSDOT STD PLAN M-12.10-03 (PAID AS PLASTIC LINE)
4. RAISED PAVEMENT MARKER TYPE 2 (YY)
5. PLASTIC CROSSWALK LINE PER WSDOT STD PLAN M-15.10-01
6. PLASTIC YIELD LINE SYMBOL PET WSDOT STD PLAN M-24.60-04
7. PLASTIC TRAFFIC ARROW PER WSDOT STD PLAN M-24.40-02
8. PLASTIC TRAFFIC LETTER PER WSDOT STD PLAN M-80.30-00
9. LIGHT STANDARD FOUNDATION & JUNCTION BOX PER LAKEWOOD STD PLAN IS-02
10. INSTALL 100 AMP METER SERVICE PER CITY OF LAKEWOOD STD PLAN IS-07

GENERAL NOTES

1. CHANNELIZATION PER WSDOT STD PLANS M-20.10 THRU M-20.40.

LUMINAIRE SCHEDULE

SL#	ALIGN	STATION	OFFSET	HEIGHT	MAST ARM	HEAD WATTAGE
1	ELWOOD	301+60	9' RT	15'	4'	68
2	ELWOOD	302+60	9' RT	15'	4'	68
3	ELWOOD	303+60	9' RT	15'	4'	68
4	ELWOOD	304+60	9' RT	15'	4'	68
5	ELWOOD	305+60	9' RT	15'	4'	68
6	ELWOOD	306+60	9' RT	15'	4'	68
7	ELWOOD	307+60	9' RT	15'	4'	68
8	ELWOOD	308+60	9' RT	15'	4'	68
9	ELWOOD	309+60	9' RT	15'	4'	68

ALL POLE FOUNDATIONS SHALL BE 2' IN DIAMETER. 15' POLE FOUNDATION DEPTH SHALL BE 3'.

CONDUIT AND WIRING SCHEDULE

NO.	CONDUIT	SYSTEM	CONDUCTORS
1	(1) – 2"	ILLUMINATION	2 – #6, GRND
2	(1) – 2"	RADAR SIGN	2 – #8, GRND
3	(1) – 2"	FUTURE FIBER	N/A

NOTES: 1. MINIMUM 2' COVER

HORIZONTAL GRAPHIC SCALE
20 10 0 10 20
FULL SIZE GRAPHIC SCALE: 1"= 20'
HALF SIZE GRAPHIC SCALE: 1"= 40'

No.	Release/Revision	Re. Date	Re. By
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Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

CITY OF LAKEWOOD, WA 1996

TIMOTHY S. POKSWINSKI, STATE OF WASHINGTON, 45303, REGISTERED PROFESSIONAL ENGINEER, 4/10/23

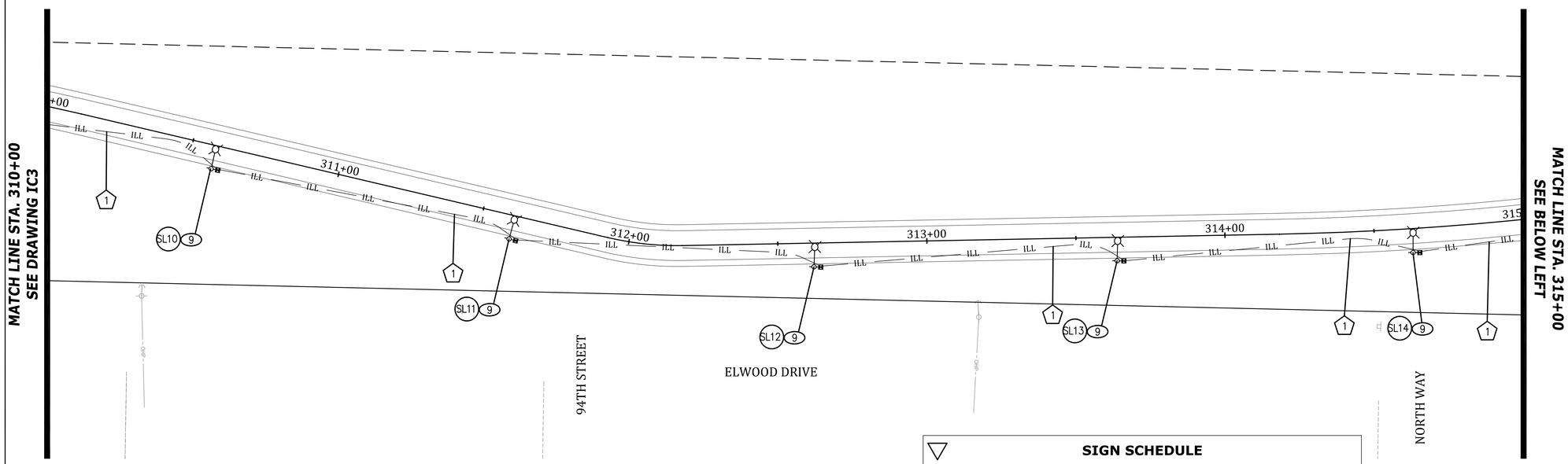
Project Name: ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

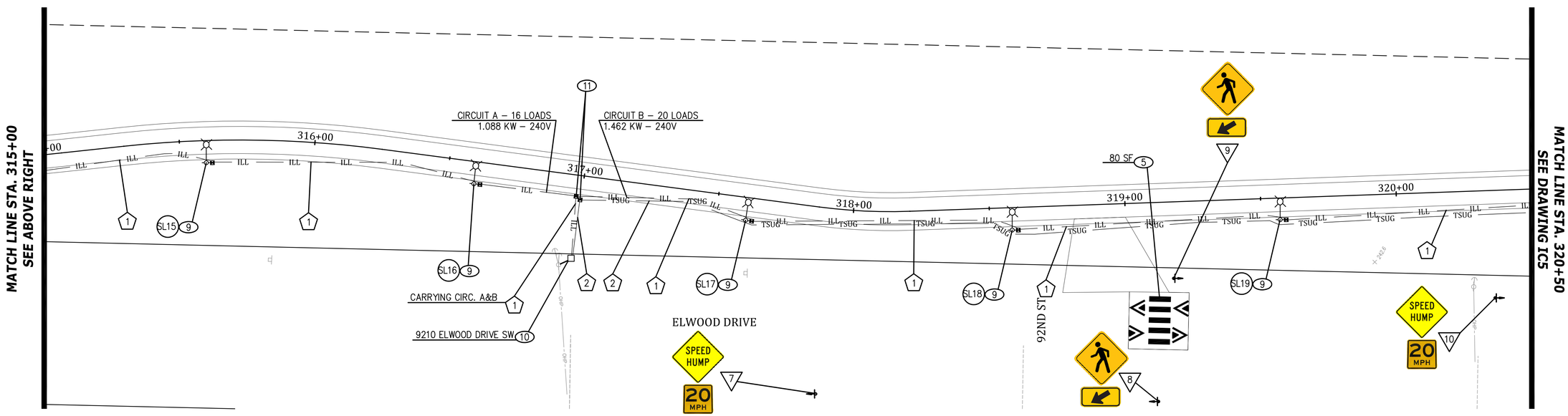
Drawing Name: ILLUM./CHANNELIZATION PLAN - STA. 300+00 TO STA. 300+10

Job No. 302.0156

Drawing No. IC3

Sheet 41 of 49





CHANNELIZATION/ILLUMINATION NOTES

1. PROFILED PLASTIC LINE PER WSDOT STD PLAN M–20.20–02
2. PLASTIC WIDE LANE LINE PER WSDOT STD PLAN M–20.10–04
3. PLASTIC WHITE DOTTED ENTRY LINE PER WSDOT STD PLAN M–12.10–03 (PAID AS PLASTIC LINE)
4. RAISED PAVEMENT MARKER TYPE 2 (YY)
5. PLASTIC CROSSWALK LINE PER WSDOT STD PLAN M–15.10–01
6. PLASTIC YIELD LINE SYMBOL PET WSDOT STD PLAN M–24.60–04
7. PLASTIC TRAFFIC ARROW PER WSDOT STD PLAN M–24.40–02
8. PLASTIC TRAFFIC LETTER PER WSDOT STD PLAN M–80.30–00
9. LIGHT STANDARD FOUNDATION & JUNCTION BOX PER LAKEWOOD STD PLAN IS–02
10. INSTALL 100 AMP METER SERVICE PER CITY OF LAKEWOOD STD PLAN IS–07
11. INSTALL TYPE 1 JB

GENERAL NOTES

1. CHANNELIZATION PER WSDOT STD PLANS M–20.10 THRU M–20.40.

LUMINAIRE SCHEDULE

SL#	ALIGN	STATION	OFFSET	HEIGHT	MAST ARM	HEAD WATTAGE
10	ELWOOD	310+60	9' RT	15'	4'	68
11	ELWOOD	311+60	9' RT	15'	4'	68
12	ELWOOD	312+60	9' RT	15'	4'	68
13	ELWOOD	313+60	9' RT	15'	4'	68
14	ELWOOD	314+60	9' RT	15'	4'	68
15	ELWOOD	315+60	9' RT	15'	4'	68
16	ELWOOD	316+60	9' RT	15'	4'	68
17	ELWOOD	317+60	9' RT	15'	4'	68
18	ELWOOD	318+60	9' RT	15'	4'	68
19	ELWOOD	319+60	9' RT	15'	4'	68

ALL POLE FOUNDATIONS SHALL BE 2' IN DIAMETER. 15' POLE FOUNDATION DEPTH SHALL BE 3'.

SIGN SCHEDULE

SIGN ID	ALIGN	STATION	OFFSET	TYPE	W X H	DESCRIPTION	COMMENTS
7	ELWOOD	317+19	69 'RT	W17–1 W13–1	30"X30" 18"X18"	SPEED HUMP 20 MPH WARNING	MOUNT ON NEW POST
8	ELWOOD	319+10	73' RT	W11–2 W16–7P	30"X30" 24"X12"	PEDESTRIAN CROSSING DOWNWARD ARROW	MOUNT ON NEW POST
9	ELWOOD	319+18	28' RT	W11–2 W16–7P	30"X30" 24"X12"	PEDESTRIAN CROSSING DOWNWARD ARROW	MOUNT ON NEW POST
10	ELWOOD	320+35	39' RT	W17–1 W13–1	30"X30" 18"X18"	SPEED HUMP 20 MPH WARNING	MOUNT ON NEW POST

NOTES: 1. SIGN MOUNTS PER CITY OF LAKEWOOD STANDARD PLAN PS–03

CONDUIT AND WIRING SCHEDULE

NO.	CONDUIT	SYSTEM	CONDUCTORS
1	(1) – 2"	ILLUMINATION	2 – #6, GRND
2	(1) – 2"	RADAR SIGN	2 – #8, GRND
3	(1) – 2"	FUTURE FIBER	N/A

NOTES: 1. MINIMUM 2' COVER

HORIZONTAL GRAPHIC SCALE
20 10 0 10 20
FULL SIZE GRAPHIC SCALE: 1"= 20'
HALF SIZE GRAPHIC SCALE: 1"= 40'

No.	Release/Revision	Re. Date	Re. By

Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

CITY OF LAKEWOOD, WA 1996

TROY S. POKSWINSKI STATE OF WASHINGTON 45879 REGISTERED PROFESSIONAL ENGINEER 4/10/23

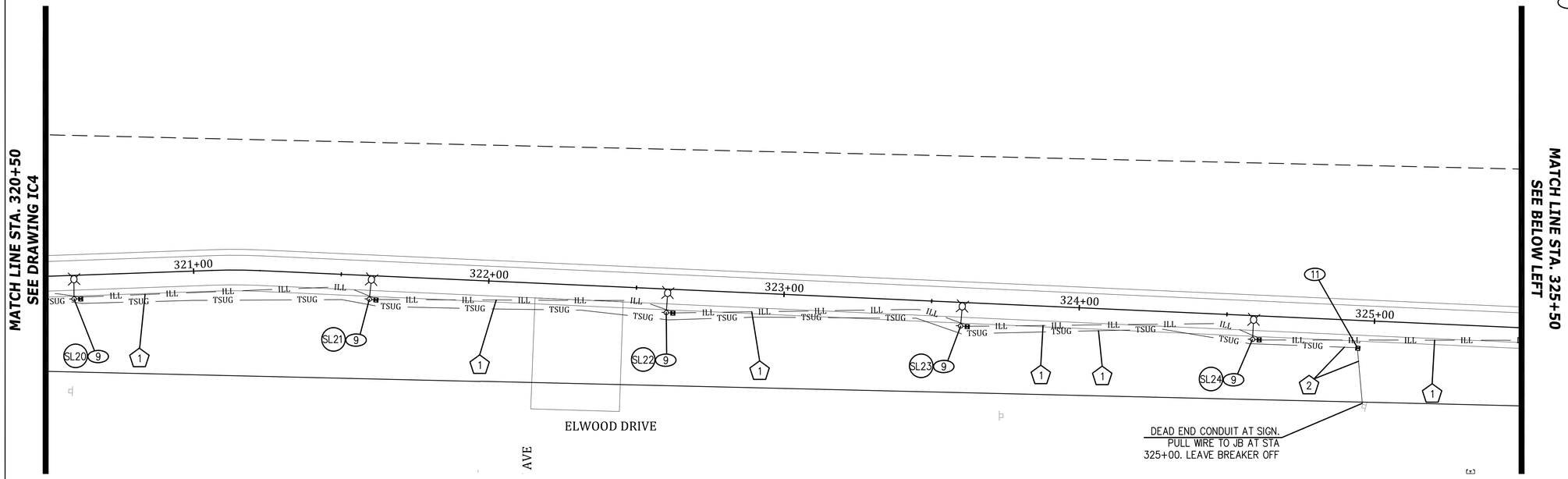
Project Name: ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

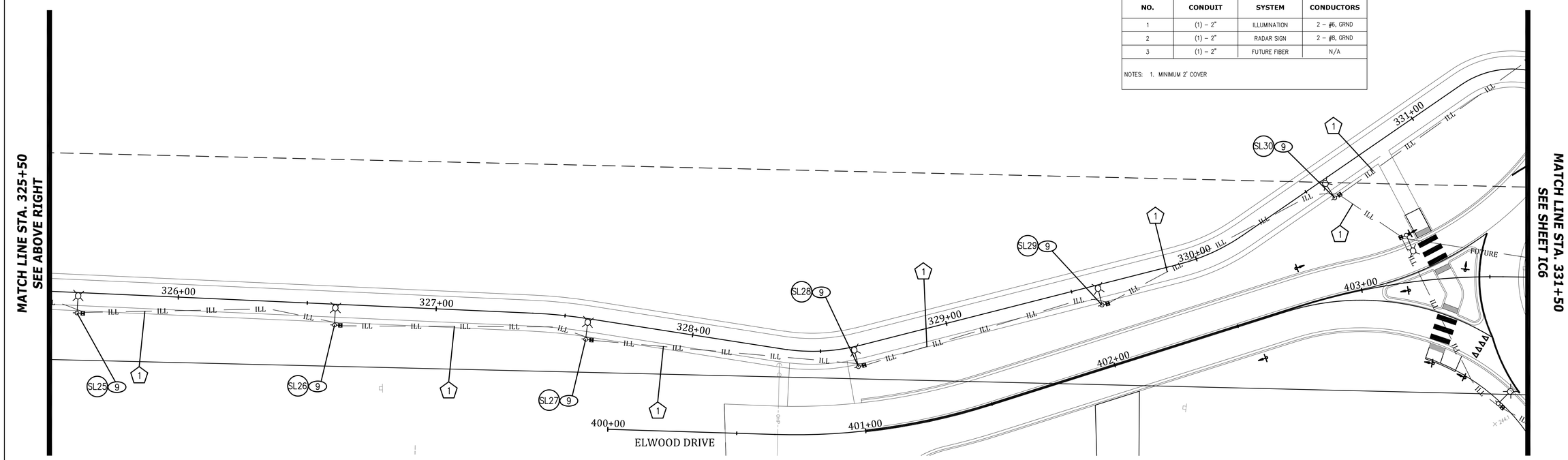
Drawing Name: ILLUM./CHANNELIZATION PLAN - STA. 310+00 TO STA. 320+50

Job No. 302.0156

Drawing No. IC4

Sheet 42 of 49





CHANNELIZATION/ILLUMINATION NOTES

1. PROFILED PLASTIC LINE PER WSDOT STD PLAN M-20.20-02
2. PLASTIC WIDE LANE LINE PER WSDOT STD PLAN M-20.10-04
3. PLASTIC WHITE DOTTED ENTRY LINE PER WSDOT STD PLAN M-12.10-03 (PAID AS PLASTIC LINE)
4. RAISED PAVEMENT MARKER TYPE 2 (YY)
5. PLASTIC CROSSWALK LINE PER WSDOT STD PLAN M-15.10-01
6. PLASTIC YIELD LINE SYMBOL PET WSDOT STD PLAN M-24.60-04
7. PLASTIC TRAFFIC ARROW PER WSDOT STD PLAN M-24.40-02
8. PLASTIC TRAFFIC LETTER PER WSDOT STD PLAN M-80.30-00
9. LIGHT STANDARD FOUNDATION & JUNCTION BOX PER LAKEWOOD STD PLAN IS-02
10. INSTALL 100 AMP METER SERVICE PER CITY OF LAKEWOOD STD PLAN IS-07
11. INSTALL TYPE 1 JUNCTION BOX

GENERAL NOTES

1. CHANNELIZATION PER WSDOT STD PLANS M-20.10 THRU M-20.40.

LUMINAIRE SCHEDULE

SL#	ALIGN	STATION	OFFSET	HEIGHT	MAST ARM	HEAD WATTAGE
20	ELWOOD	320+60	9' RT	15'	4'	68
21	ELWOOD	321+60	9' RT	15'	4'	68
22	ELWOOD	322+60	9' RT	15'	4'	68
23	ELWOOD	323+60	9' RT	15'	4'	68
24	ELWOOD	324+60	9' RT	15'	4'	68
25	ELWOOD	325+60	9' RT	15'	4'	68
26	ELWOOD	326+60	9' RT	15'	4'	68
27	ELWOOD	327+60	9' RT	15'	4'	68
28	ELWOOD	328+60	9' RT	15'	4'	68
29	ELWOOD	329+60	9' RT	15'	4'	68
30	ELWOOD	330+60	9' RT	15'	4'	68

ALL POLE FOUNDATIONS SHALL BE 2' IN DIAMETER. 15' POLE FOUNDATION DEPTH SHALL BE 3'.

CONDUIT AND WIRING SCHEDULE

NO.	CONDUIT	SYSTEM	CONDUCTORS
1	(1) - 2"	ILLUMINATION	2 - #6, GRND
2	(1) - 2"	RADAR SIGN	2 - #8, GRND
3	(1) - 2"	FUTURE FIBER	N/A

NOTES: 1. MINIMUM 2' COVER

HORIZONTAL GRAPHIC SCALE
20 10 0 10 20
FULL SIZE GRAPHIC SCALE: 1"= 20'
HALF SIZE GRAPHIC SCALE: 1"= 40'

No.	Release/Revision	Re. Date	Re. By
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Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

CITY OF LAKEWOOD, WA 1996

TROY S. POKSWINSKI STATE OF WASHINGTON 45303 REGISTERED PROFESSIONAL ENGINEER 4/10/23

Project Name: ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

Drawing Name: ILLUM./CHANNELIZATION PLAN - STA. 320+50 TO STA. 331+50

Job No. 302.0156

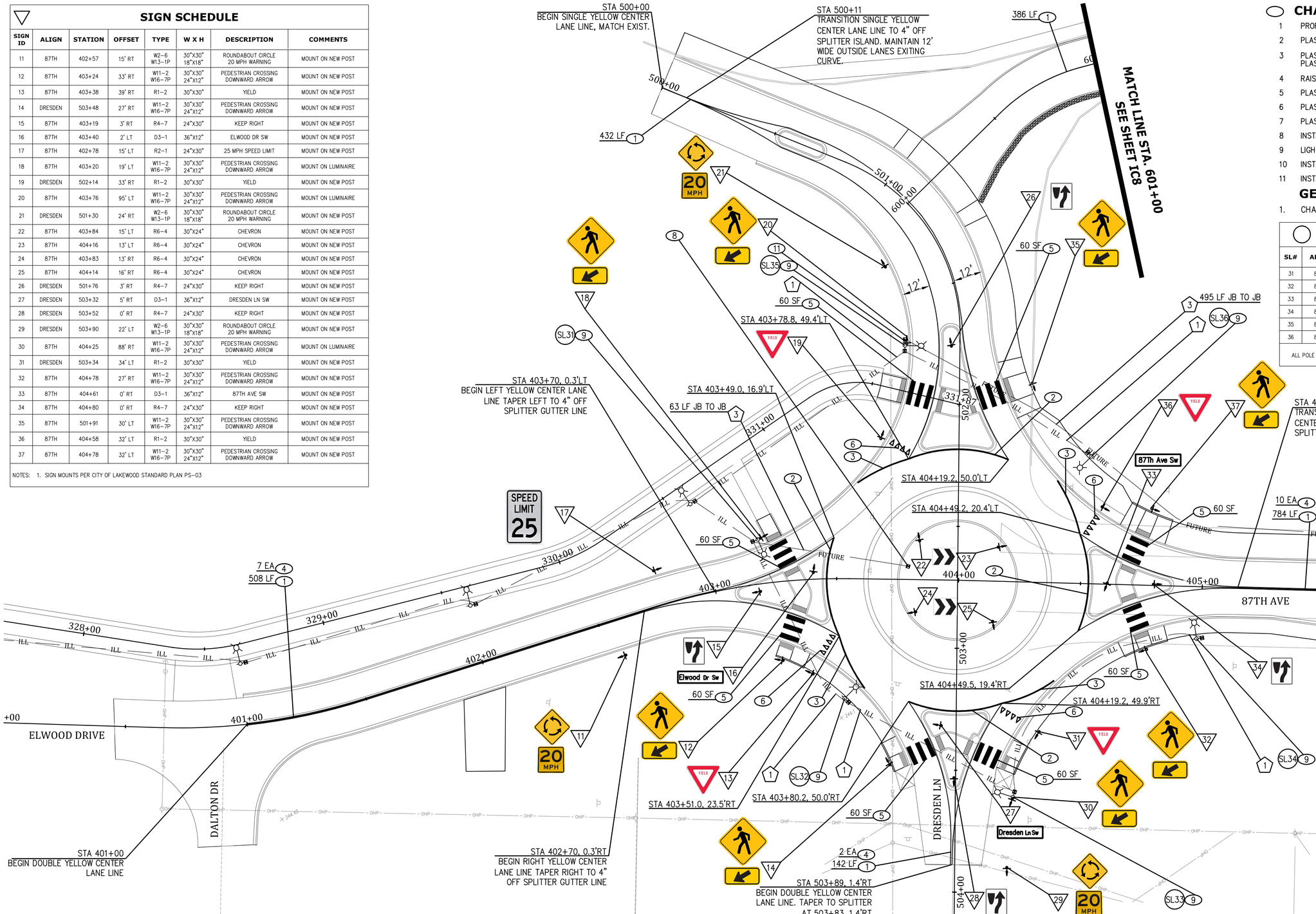
Drawing No. IC5

Sheet 43 of 49

SIGN SCHEDULE

SIGN ID	ALIGN	STATION	OFFSET	TYPE	W X H	DESCRIPTION	COMMENTS
11	87TH	402+57	15' RT	W2-6 W13-1P	30"X30" 18"X18"	ROUNDABOUT CIRCLE 20 MPH WARNING	MOUNT ON NEW POST
12	87TH	403+24	33' RT	W11-2 W16-7P	30"X30" 24"X12"	PEDESTRIAN CROSSING DOWNWARD ARROW	MOUNT ON NEW POST
13	87TH	403+38	39' RT	R1-2	30"X30"	YIELD	MOUNT ON NEW POST
14	DRESDEN	503+48	27' RT	W11-2 W16-7P	30"X30" 24"X12"	PEDESTRIAN CROSSING DOWNWARD ARROW	MOUNT ON NEW POST
15	87TH	403+19	3' RT	R4-7	24"X30"	KEEP RIGHT	MOUNT ON NEW POST
16	87TH	403+40	2' LT	D3-1	36"X12"	ELWOOD DR SW	MOUNT ON NEW POST
17	87TH	402+78	15' LT	R2-1	24"X30"	25 MPH SPEED LIMIT	MOUNT ON NEW POST
18	87TH	403+20	19' LT	W11-2 W16-7P	30"X30" 24"X12"	PEDESTRIAN CROSSING DOWNWARD ARROW	MOUNT ON LUMINAIRE
19	DRESDEN	502+14	33' RT	R1-2	30"X30"	YIELD	MOUNT ON NEW POST
20	87TH	403+76	95' LT	W11-2 W16-7P	30"X30" 24"X12"	PEDESTRIAN CROSSING DOWNWARD ARROW	MOUNT ON LUMINAIRE
21	DRESDEN	501+30	24' RT	W2-6 W13-1P	30"X30" 18"X18"	ROUNDABOUT CIRCLE 20 MPH WARNING	MOUNT ON NEW POST
22	87TH	403+84	15' LT	R6-4	30"X24"	CHEVRON	MOUNT ON NEW POST
23	87TH	404+16	13' LT	R6-4	30"X24"	CHEVRON	MOUNT ON NEW POST
24	87TH	403+83	13' RT	R6-4	30"X24"	CHEVRON	MOUNT ON NEW POST
25	87TH	404+14	16' RT	R6-4	30"X24"	CHEVRON	MOUNT ON NEW POST
26	DRESDEN	501+76	3' RT	R4-7	24"X30"	KEEP RIGHT	MOUNT ON NEW POST
27	DRESDEN	503+32	5' RT	D3-1	36"X12"	DRESDEN LN SW	MOUNT ON NEW POST
28	DRESDEN	503+52	0' RT	R4-7	24"X30"	KEEP RIGHT	MOUNT ON NEW POST
29	DRESDEN	503+90	22' LT	W2-6 W13-1P	30"X30" 18"X18"	ROUNDABOUT CIRCLE 20 MPH WARNING	MOUNT ON NEW POST
30	87TH	404+25	88' RT	W11-2 W16-7P	30"X30" 24"X12"	PEDESTRIAN CROSSING DOWNWARD ARROW	MOUNT ON LUMINAIRE
31	DRESDEN	503+34	34' LT	R1-2	30"X30"	YIELD	MOUNT ON NEW POST
32	87TH	404+78	27' RT	W11-2 W16-7P	30"X30" 24"X12"	PEDESTRIAN CROSSING DOWNWARD ARROW	MOUNT ON NEW POST
33	87TH	404+61	0' RT	D3-1	36"X12"	87TH AVE SW	MOUNT ON NEW POST
34	87TH	404+80	0' RT	R4-7	24"X30"	KEEP RIGHT	MOUNT ON NEW POST
35	87TH	501+91	30' LT	W11-2 W16-7P	30"X30" 24"X12"	PEDESTRIAN CROSSING DOWNWARD ARROW	MOUNT ON NEW POST
36	87TH	404+58	32' LT	R1-2	30"X30"	YIELD	MOUNT ON NEW POST
37	87TH	404+78	32' LT	W11-2 W16-7P	30"X30" 24"X12"	PEDESTRIAN CROSSING DOWNWARD ARROW	MOUNT ON NEW POST

NOTES: 1. SIGN MOUNTS PER CITY OF LAKEWOOD STANDARD PLAN PS-03



CHANNELIZATION/ILLUMINATION NOTES

1. PROFILED PLASTIC LINE PER WSDOT STD PLAN M-20.20-02
2. PLASTIC WIDE LANE LINE PER WSDOT STD PLAN M-20.10-04
3. PLASTIC WHITE DOTTED ENTRY LINE PER WSDOT STD PLAN M-12.10-03 (PAID AS PLASTIC LINE).
4. RAISED PAVEMENT MARKER TYPE 2 (YY)
5. PLASTIC CROSSWALK LINE PER WSDOT STD PLAN M-15.10-01
6. PLASTIC YIELD LINE SYMBOL PET WSDOT STD PLAN M-24.60-04
7. PLASTIC TRAFFIC ARROW PER WSDOT STD PLAN M-24.40-02
8. INSTALL TYPE 1 JUNCTION BOX
9. LIGHT STANDARD FOUNDATION & JUNCTION BOX PER LAKEWOOD STD PLAN IS-02
10. INSTALL 100 AMP METER SERVICE PER CITY OF LAKEWOOD STD PLAN IS-07
11. INSTALL TYPE 2 JUNCTION BOX

GENERAL NOTES

1. CHANNELIZATION PER WSDOT STD PLANS M-20.10 THRU M-20.40.

LUMINAIRE SCHEDULE

SL#	ALIGN	STATION	OFFSET	HEIGHT	MAST ARM	HEAD WATTAGE
31	87TH	403+20	19' LT	35'	4'	85
32	87TH	403+54	50' RT	35'	4'	85
33	87TH	404+25	88' RT	35'	4'	85
34	87TH	404+98	22' RT	35'	4'	85
35	87TH	403+76	95' LT	35'	4'	85
36	87TH	404+53	52' LT	35'	4'	85

ALL POLE FOUNDATIONS SHALL BE 2' IN DIAMETER. 15' POLE FOUNDATION DEPTH SHALL BE 3'.

CONDUIT AND WIRING SCHEDULE

NO.	CONDUIT	SYSTEM	CONDUCTORS
1	(1) – 2"	ILLUMINATION	2 – #6, GRND
2	(1) – 2"	RADAR SIGN	2 – #8, GRND
3	(1) – 2"	FUTURE FIBER	N/A

NOTES: 1. MINIMUM 2' COVER

No.	Release/Revision	Re. Date	Re. By

Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

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TODD S. POKSWINSKI, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER, 40923

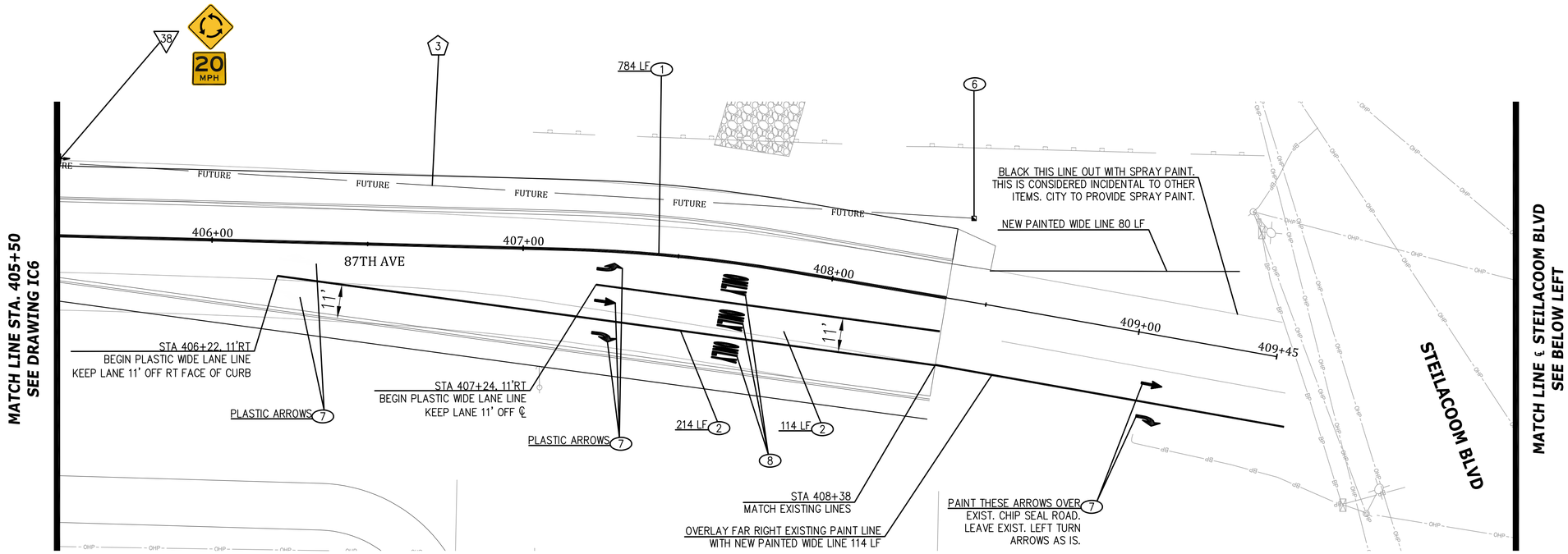
Project Name: ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

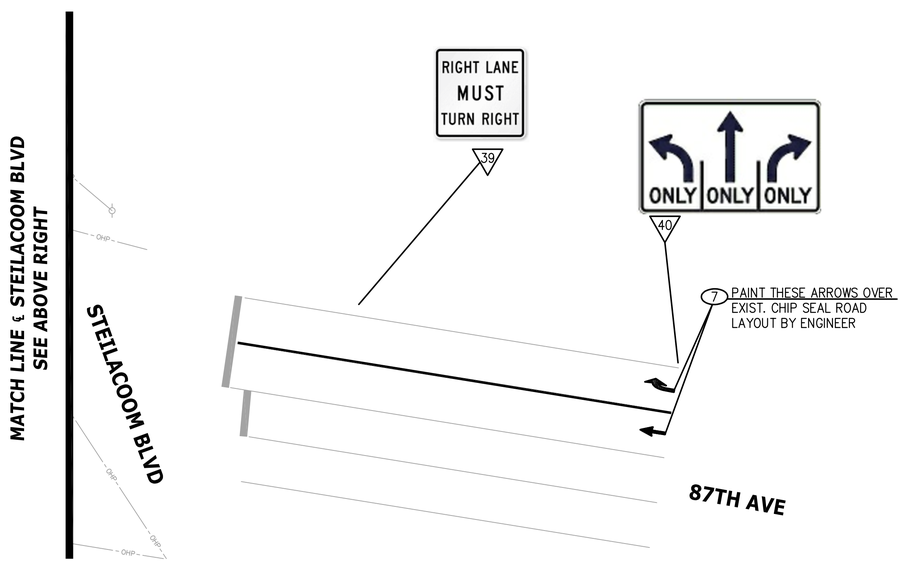
Drawing Name: ILLUM./CHANNELIZATION PLAN - STA. 400+00 TO STA. 405+50

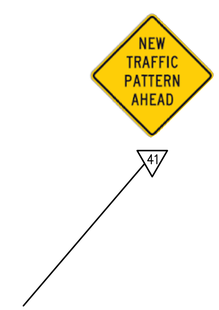
Job No. 302.0156

Drawing No. IC6

Sheet 44 of 49







CHANNELIZATION/ILLUMINATION NOTES

1. PROFILED PLASTIC LINE PER WSDOT STD PLAN M-20.20-02
2. PLASTIC WIDE LANE LINE PER WSDOT STD PLAN M-20.10-04
3. PLASTIC WHITE DOTTED ENTRY LINE PER WSDOT STD PLAN M-12.10-03 (PAID AS PLASTIC LINE)
4. RAISED PAVEMENT MARKER TYPE 2 (YY) 40' O.C.
5. PLASTIC CROSSWALK LINE PER WSDOT STD PLAN M-15.10-01
6. PLASTIC YIELD LINE SYMBOL PET WSDOT STD PLAN M-24.60-04
7. TRAFFIC ARROW PER WSDOT STD PLAN M-24.40-02
8. PLASTIC TRAFFIC LETTER PER WSDOT STD PLAN M-80.30-00
9. LIGHT STANDARD FOUNDATION & JUNCTION BOX PER LAKEWOOD STD PLAN IS-02
10. INSTALL 100 AMP METER SERVICE PER CITY OF LAKEWOOD STD PLAN IS-07
11. INSTALL TYPE 2 JUNCTION BOX

GENERAL NOTES

1. CHANNELIZATION PER WSDOT STD PLANS M-20.10 THRU M-20.40.

CONDUIT AND WIRING SCHEDULE

NO.	CONDUIT	SYSTEM	CONDUCTORS
1	(1) - 2"	ILLUMINATION	2 - #6, GRND
2	(1) - 2"	RADAR SIGN	2 - #8, GRND
3	(1) - 2"	FUTURE FIBER	N/A

NOTES: 1. MINIMUM 2' COVER

NOTE
SYMBOLS AND LETTERS ARE STATIONED FROM THE BOTTOM OF THE SYMBOL OR THE LETTER.

TRAFFIC SYMBOL SCHEDULE

SYMBOL	STATION & OFFSET
	407+24 6'RT
	407+24, 17'RT; 409+03, 17'RT
	406+22, 17'RT; 407+24, 28'RT; 409+03, 28'RT
	406+22, 6'RT
ONLY	407+65, 7'RT; 407+65, 18'RT; 407+65, 29'RT

SIGN SCHEDULE

SIGN ID	ALIGN	STATION	OFFSET	TYPE	W X H	DESCRIPTION	COMMENTS
38	87TH	405+50	25' LT	W2-6 W13-1P	30"X30" 18"X18"	ROUNDABOUT CIRCLE 20 MPH WARNING	MOUNT ON NEW POST
39	STAKED IN FIELD BY ENGINEER			R3-7R	30"X30"	RIGHT LANE MUST TURN	MOUNT ON NEW POST
40	STAKED IN FIELD BY ENGINEER			R3-8B	48"X30"	LANE DESIGNATION	MOUNT ON NEW POST
41	STAKED IN FIELD BY ENGINEER			W23-2	36"X36"	NEW TRAFFIC PATTERN	MOUNT ON TRIPOD FOR 2 WEEKS

NOTES: 1. SIGN MOUNTS PER CITY OF LAKEWOOD STANDARD PLAN PS-03

HORIZONTAL GRAPHIC SCALE
20 10 0 10 20
FULL SIZE GRAPHIC SCALE: 1"= 20'
HALF SIZE GRAPHIC SCALE: 1"= 40'

No.	Release/Revision	Re. Date	Re. By

Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

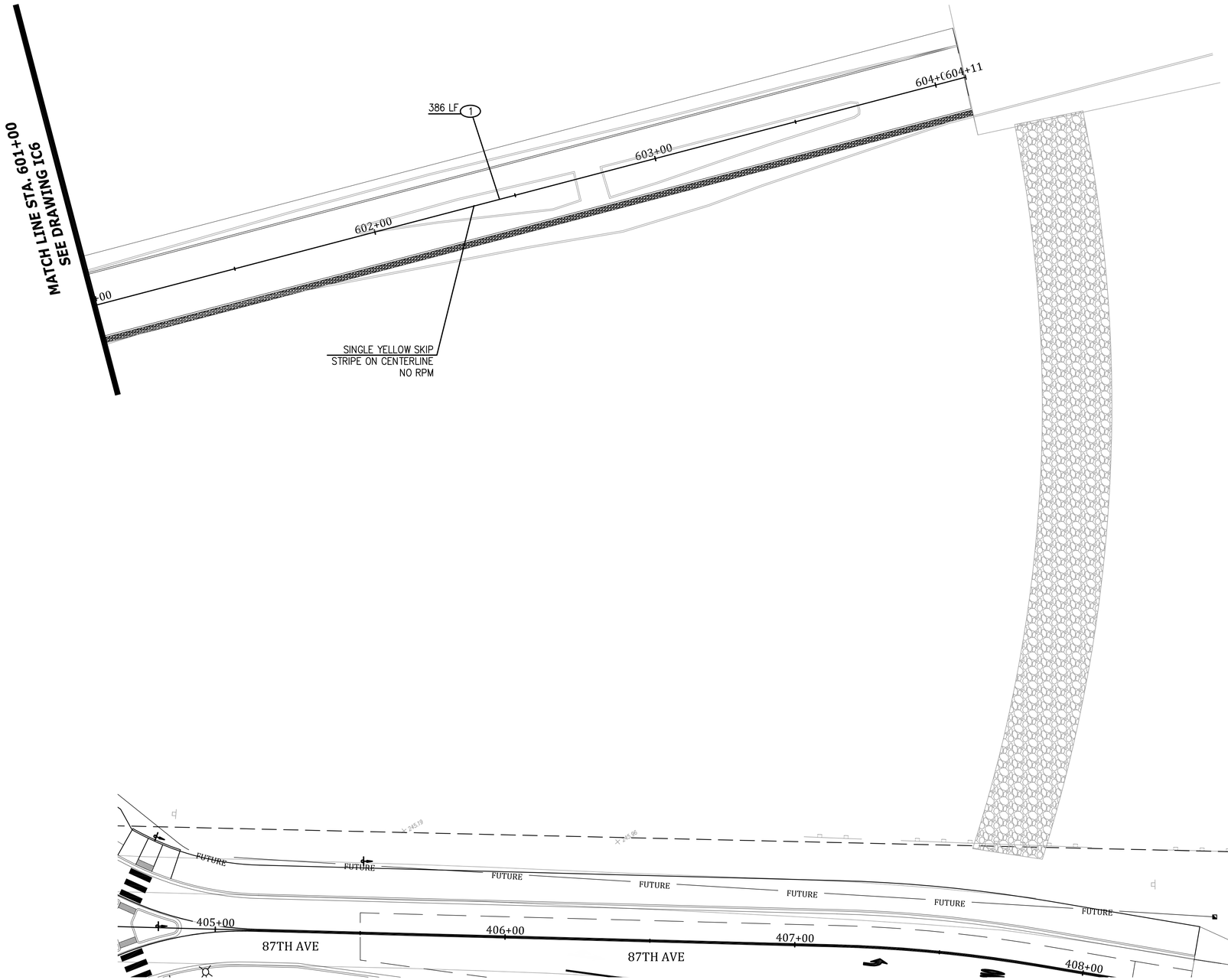
CITY OF LAKEWOOD, WA 1996

TROY S. POKSWINSKI
STATE OF WASHINGTON
45303
REGISTERED PROFESSIONAL ENGINEER
4/10/23

Project Name:
ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

Drawing Name:
ILLUM./CHANNELIZATION PLAN - STA. 405+50 TO STA. 409+45

Job No. 302.0156
Drawing No. IC7
Sheet 45 of 49



CHANNELIZATION/ILLUMINATION NOTES

1. PROFILED PLASTIC LINE PER WSDOT STD PLAN M-20.20-02
2. PLASTIC WIDE LANE LINE PER WSDOT STD PLAN M-20.10-04
3. PLASTIC WHITE DOTTED ENTRY LINE PER WSDOT STD PLAN M-12.10-03 (PAID AS PLASTIC LINE)
4. RAISED PAVEMENT MARKER TYPE 2 (YY)
5. PLASTIC CROSSWALK LINE PER WSDOT STD PLAN M-15.10-01
6. PLASTIC YIELD LINE SYMBOL PET WSDOT STD PLAN M-24.60-04
7. PLASTIC TRAFFIC ARROW PER WSDOT STD PLAN M-24.40-02
8. PLASTIC TRAFFIC LETTER PER WSDOT STD PLAN M-80.30-00
9. LIGHT STANDARD FOUNDATION & JUNCTION BOX PER LAKEWOOD STD PLAN IS-02
10. INSTALL 100 AMP METER SERVICE PER CITY OF LAKEWOOD STD PLAN IS-07

GENERAL NOTES

1. CHANNELIZATION PER WSDOT STD PLANS M-20.10 THRU M-20.40.

HORIZONTAL GRAPHIC SCALE
20 10 0 10 20
FULL SIZE GRAPHIC SCALE: 1"= 20'
HALF SIZE GRAPHIC SCALE: 1"= 40'

No.	Release/Revision	Re. Date	Re. By

Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

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TODD S. POKSWINSKI
STATE OF WASHINGTON
45349
REGISTERED PROFESSIONAL ENGINEER
4/0/23

Project Name:
ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

Drawing Name:
ILLUM./CHANNELIZATION PLAN - STA. 601+00 TO STA. 604+11

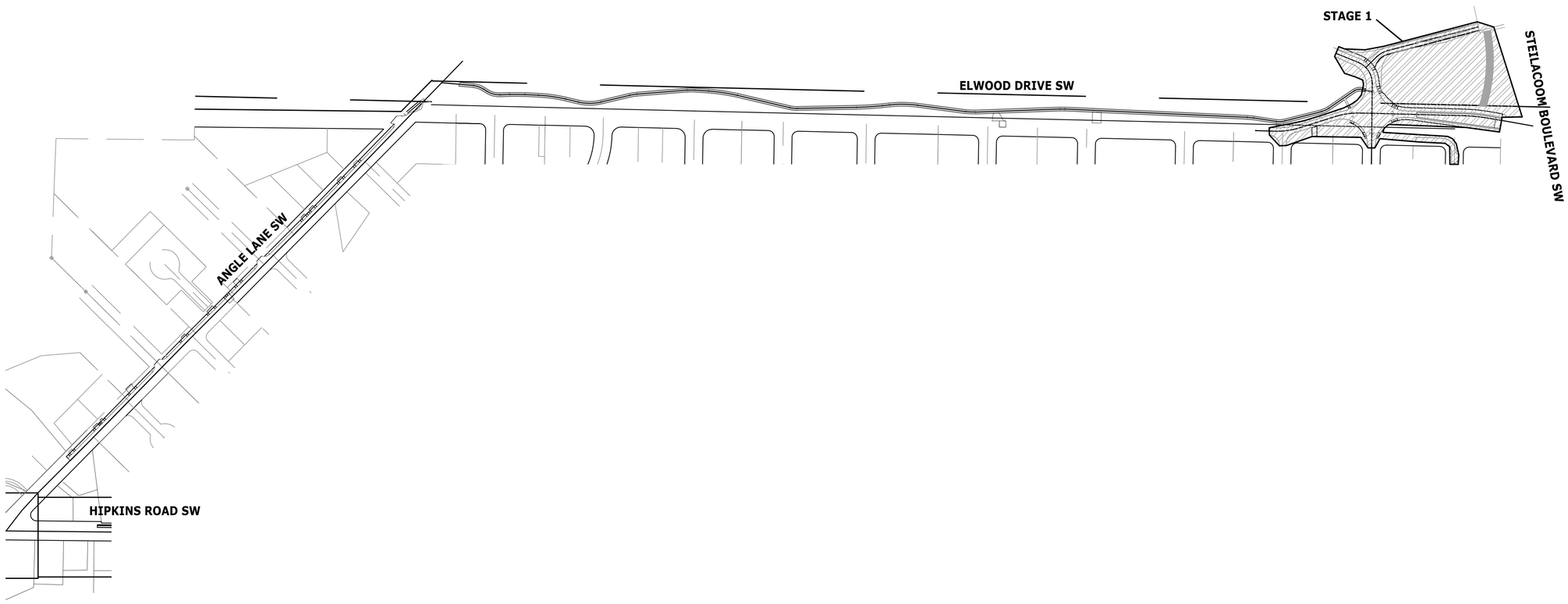
Job No. 302.0156
Drawing No. IC8
Sheet 46 of 49

TRAFFIC IMPACT NOTES

FOR THE PURPOSE OF COORDINATING A LARGE SCALE EVENT AT FORT STEILACOOM PARK, THE CITY HAS INCORPORATED THE STAGING AND TRAFFIC CONTROL PLANS FOR THE CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL FOLLOW THIS PLAN OR SUBMIT A SEPARATE PLAN TO THE ENGINEER FOR APPROVAL PRIOR TO DIVERTING TRAFFIC.

THE CITY IS HOSTING A LARGE EVENT ON JULY 15, 2023 AT FORT STEILACOOM PARK. TWO-WAY PAVED ACCESS ALONG 87TH AND ANGLE LANE ARE REQUIRED FOR THIS EVENT. CONTRACTOR IS TO SUBMIT A SCHEDULE PRIOR TO CLOSING ANY ROAD FOR CONSTRUCTION IN HOW THIS IS TO BE ACCOMPLISHED.

ACCESS TO THE LOCAL RESIDENTS SHALL BE MADE PASSABLE AT ALL TIMES. THE CONTRACTOR SHALL KEEP RESIDENTS INFORMED AS TO HOW TO ACCESS THEIR PROPERTY DURING CONSTRUCTION.



CONSTRUCTION SEQUENCING

STAGE 1:

1) CONSTRUCT THE TEMPORARY GRAVEL ACCESS INTO FORT STEILACOOM PARK.

2) CLOSE 87TH/ELWOOD DRIVE SW IN ACCORDANCE WITH DRAWING TC1.

3) COMPLETE ALL WORK WITH THE EXCEPTION OF THE WORK STA 600+25–604+00.

4) WITHIN ONE WEEK OF PAVEMENT PLACEMENT, CLOSE TEMPORARY PARK ACCESS AND DETOUR INTO PARK WILL BE TEMPORARILY FROM ANGLE LANE SIDE IN ORDER TO ACCOMPLISH 600+25–604+00 AND 500+00–500+80.

6) PAVE STAGE 1.

STAGE 2:

1) CLOSE ANGLE LANE IN ACCORDANCE WITH DRAWING TC2.

2) COMPLETE REMAINDER OF WORK.

N

HORIZONTAL GRAPHIC SCALE
120 60 0 60 120
FULL SIZE GRAPHIC SCALE: 1"= 120'
HALF SIZE GRAPHIC SCALE: 1"= 240'

No.	Release/Revision	Re. Date	Re. By
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△			
△			
△			
△			

Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

CITY OF LAKEWOOD, WA ●1996●

TROY S. POKSWINSKI
STATE OF WASHINGTON
45309
REGISTERED PROFESSIONAL ENGINEER
4/10/23

Project Name:
ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

Drawing Name:
STAGING PLAN

Job No. 302.0156
Drawing No. ST1
Sheet 47 of 49

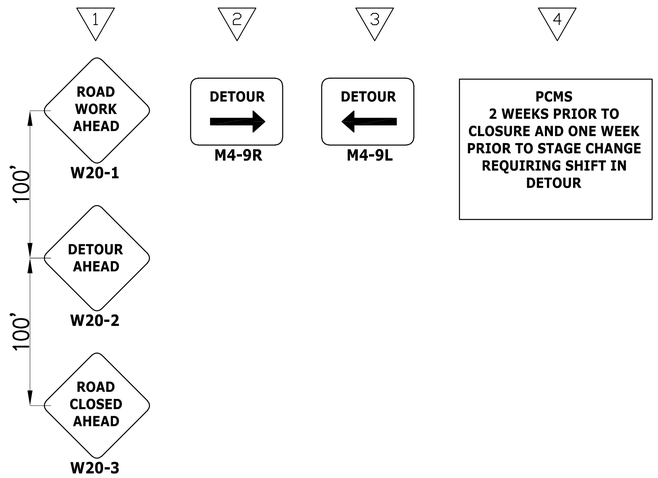
TRAFFIC CONTROL NOTES:

PCMS SHALL BE INSTALLED TWO WEEKS PRIOR TO ROAD CLOSURE AND REMOVED UPON ROAD CLOSURE. SIGN SHALL BE SET UP WITH THE FOLLOWING MESSAGE:
SCREEN 1:
87TH
CLOSED @
STEL BVD

SCREEN 2:
BEG (INSERT DATE; I.E. 5/15)
USE
DETOUR

ROAD CLOSURES SHALL CONSIST OF TYPE III BARRICADES AT EACH END OF THE CLOSURE.

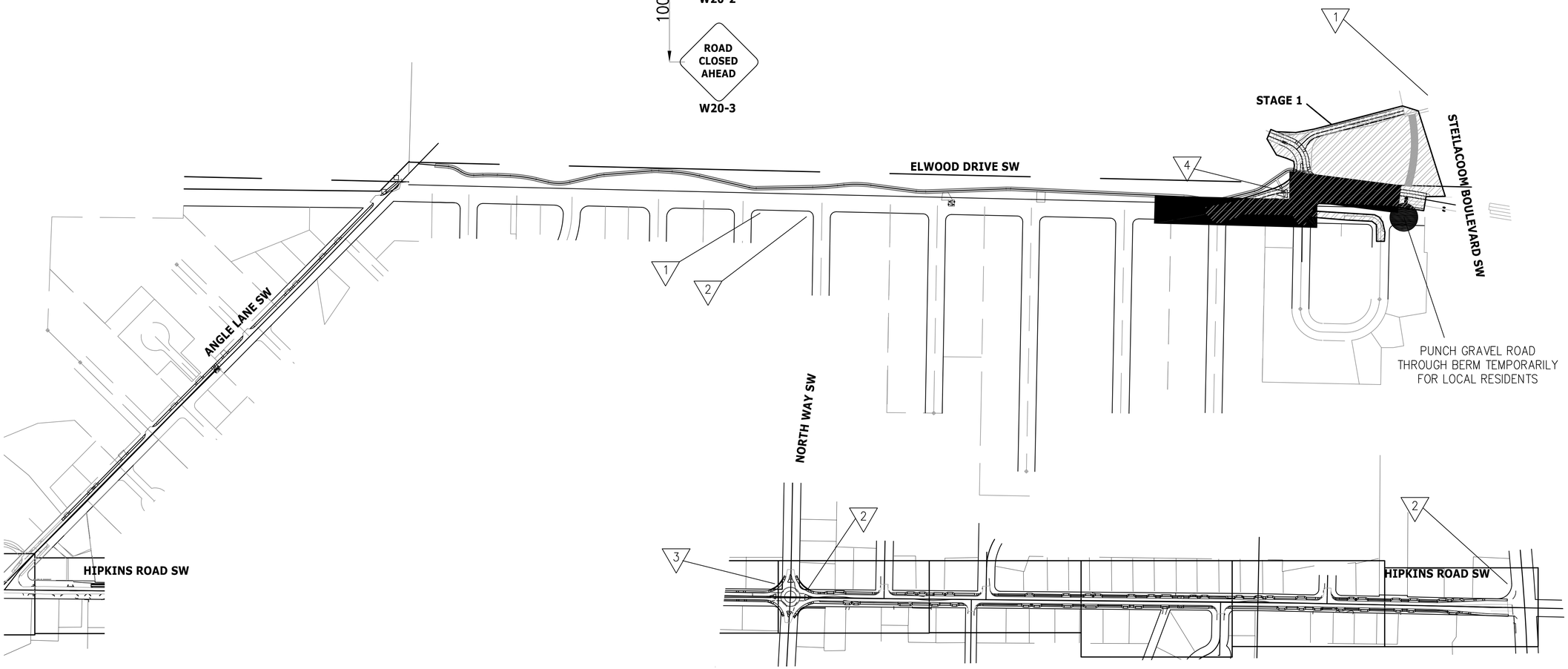
TRAFFIC CONTROL SIGN SCHEDULE



LEGEND

ROAD CLOSURE

POINT OF LOCAL ACCESS



N

HORIZONTAL GRAPHIC SCALE
200 100 0 100 200
FULL SIZE GRAPHIC SCALE: 1"= 200'
HALF SIZE GRAPHIC SCALE: 1"= 400'

No.	Release/Revision	Re. Date	Re. By
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△			
△			
△			
△			

Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

CITY OF LAKEWOOD, WA 1996

TROY S. POKSWINSKI STATE OF WASHINGTON 45879 REGISTERED PROFESSIONAL ENGINEER 4/4/23

Project Name: ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

Drawing Name: TRAFFIC CONTROL PLAN - STAGE 1

Job No. 302.0156

Drawing No. TC1

Sheet 48 of 49

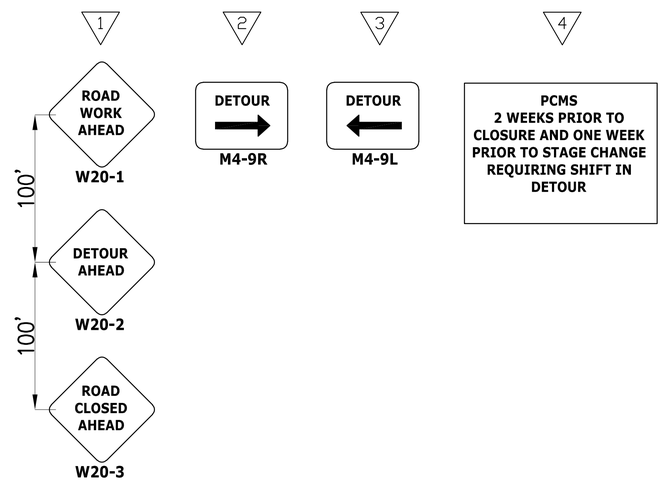
TRAFFIC CONTROL NOTES:

PCMS SHALL BE INSTALLED TWO WEEKS PRIOR TO ROAD CLOSURE AND REMOVED UPON ROAD CLOSURE. SIGN SHALL BE SET UP WITH THE FOLLOWING MESSAGE:
SCREEN 1:
ANGLE
CLOSED @
HIPKINS

SCREEN 2:
BEG (INSERT DATE; I.E. 7/17)
USE
DETOUR

ROAD CLOSURES SHALL CONSIST OF TYPE III BARRICADES AT EACH END OF THE CLOSURE.

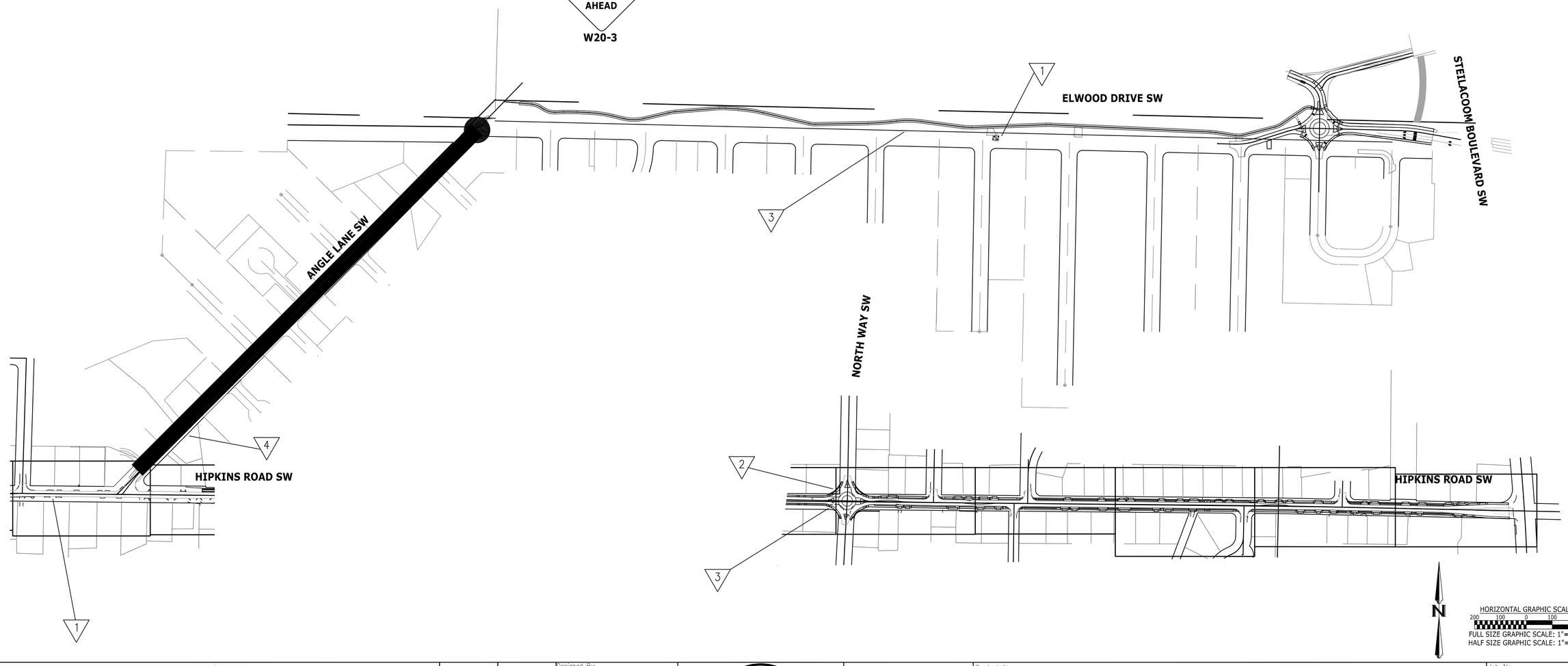
TRAFFIC CONTROL SIGN SCHEDULE



LEGEND

ROAD CLOSURE

POINT OF LOCAL ACCESS



HORIZONTAL GRAPHIC SCALE
200 100 0 100 200
FULL SIZE GRAPHIC SCALE: 1"= 200'
HALF SIZE GRAPHIC SCALE: 1"= 400'

No.	Release/Revision	Re. Date	Re. By
△			
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△			
△			
△			

Designed By: T. POKSWINSKI
Drawn By: T. POKSWINSKI
Checked By: C. T. HILL
Approved By: P. BUCICH
Project Start Date: 12/06/22
Drawing Scale: AS SHOWN
Electronic File Name: 302.0083

CITY OF LAKEWOOD, WA 1996

TROY S. POKSWINSKI
STATE OF WASHINGTON
45879
REGISTERED PROFESSIONAL ENGINEER
4/4/23

Project Name:
ANGLE LANE / ELWOOD DRIVE PEDESTRIAN IMPROVEMENTS

Drawing Name:
TRAFFIC CONTROL PLAN - STAGE 2

Job No. 302.0156

Drawing No. TC2

Sheet 49 of 49