



CITY OF SAMMAMISH

PUBLIC WORKS DEPARTMENT

2023 ADA BARRIER REMOVAL PROJECT

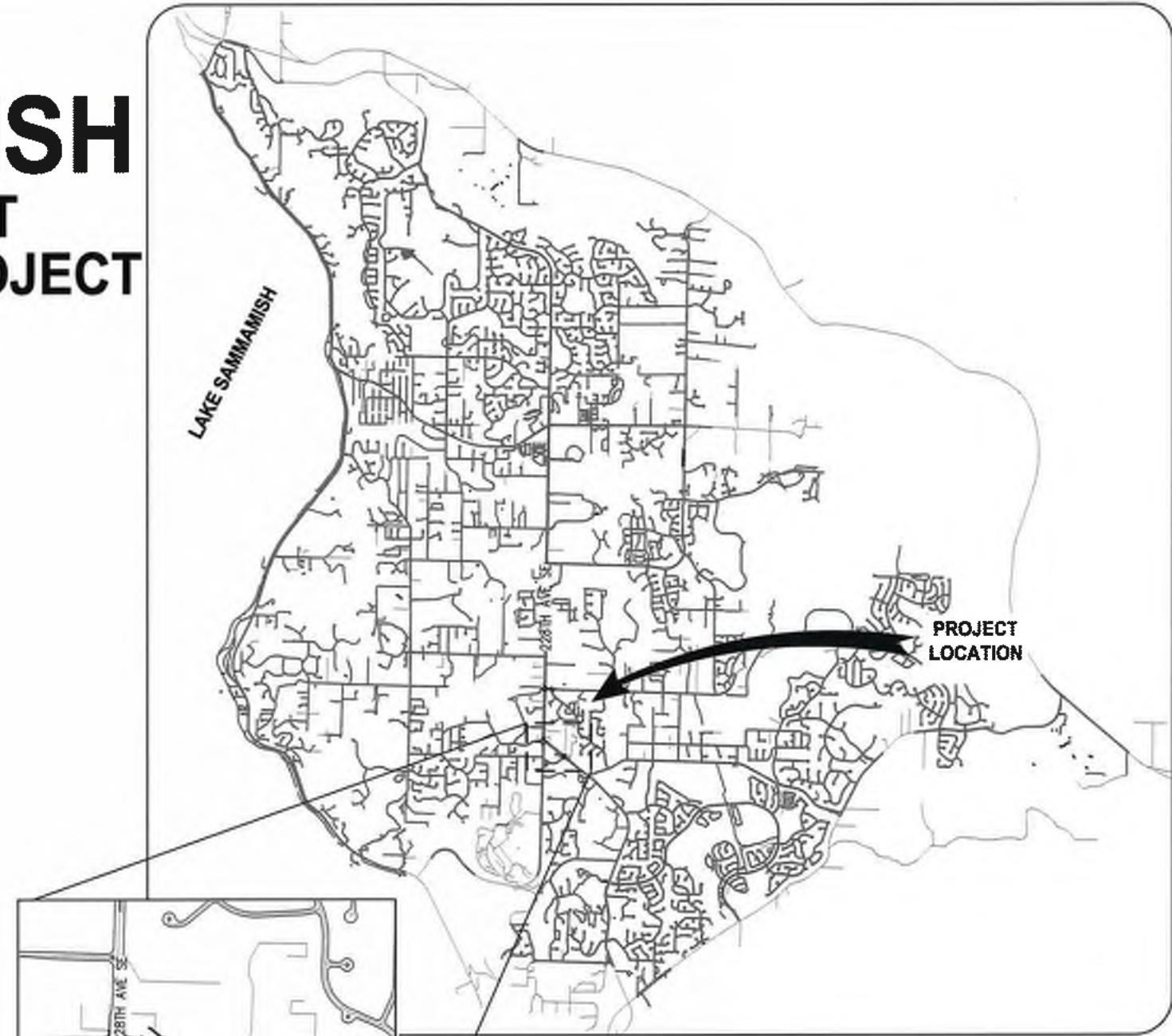
MAYOR
KALI CLARK
 DEPUTY MAYOR
AMY LAM

CITY COUNCIL
ROISIN O'FARRELL
RITUJA INDAPURE
KENT TREEN
PAM STUART
KAREN HOWE

CITY MANAGER
SCOTT MACCOLL
 INTERIM PUBLIC WORKS DIRECTOR
AUDRIE STARSY

DRAWING INDEX

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14	ISSAQUAH-PINE LAKE RD SE MS RRFB



VICINITY MAP
NOT TO SCALE

LOCATION MAP
NOT TO SCALE

RECOMMENDED FOR APPROVAL

PROJECT ENGINEER

APPROVED BY:

CITY ENGINEER **PUBLIC WORKS DIRECTOR**



BID DOCUMENT

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GENERAL SURVEY NOTES:

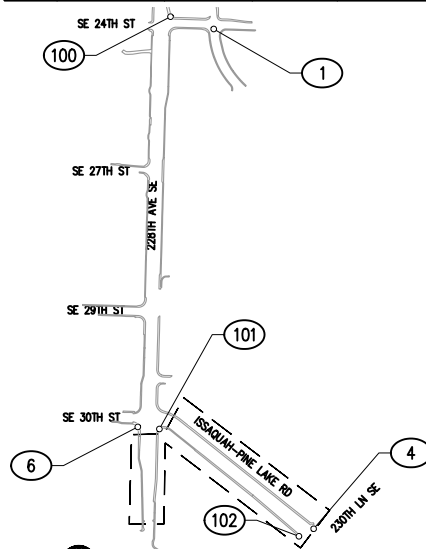
1. THE PURPOSE OF THIS TOPOGRAPHIC SURVEY IS FOR CIVIL ENGINEERING DESIGN. THIS IS NOT A BOUNDARY SURVEY. SOURCES OF BOUNDARY INFORMATION AS SHOWN INCLUDE FIELD-TIED MONUMENTATION, PLATS, COUNTY RECORDS OF SURVEY, AND AUDITOR INDEXING INFORMATION.
2. THE LOCATIONS OF EXISTING UNDERGROUND UTILITY SYSTEMS, AS SHOWN HEREON, ARE TAKEN FROM UTILITY LOCATE PAINT MARKS OR AS-BUILT PLANS AND ARE SHOWN IN AN APPROXIMATE WAY ONLY.

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 OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. ALL LOCATOR SERVICES SHOULD BE CONTACTED PRIOR TO ANY CONSTRUCTION OR SUBSURFACE EXPLORATION. CALL 1-800-424-5555.
3. FIELD SURVEY: KPG, NOVEMBER, 2021. LICENSEE MICHAEL R. BOWEN, P.L.S. NO. 29294/RONALD D. REICHEL, P.L.S. NO. 38015.
4. CONTOUR INTERVAL = 1 FOOT, ±0.5 FOOT PER NATIONAL MAPPING STANDARDS. CONTOURS DERIVED FROM DIRECT FIELD OBSERVATIONS.
5. STORM AND SEWER CONNECTIONS HAVE BEEN DRAWN FROM CENTER OF LID TO CENTER OF LID.

HORIZONTAL AND VERTICAL DATUM

HORIZONTAL DATUM: NAD 83/11 NORTH ZONE
 VERTICAL DATUM NAVD 88
 HORIZONTAL AND VERTICAL DATUMS ESTABLISHED BY [RTK OPS OBSERVATION UTILIZING WSRN (WASHINGTON STATE REFERENCE NETWORK)]

CONTROL POINT LIST				
PT #	DESCRIPTION	NORTHING	EASTING	ELEVATION
1	SPIKE	216858.58	1344058.98	391.82'
4	SPIKE	214271.31	1344600.72	449.03'
6	SPIKE	214793.35	1343662.86	436.27'
100	SPIKE	216940.41	1343824.21	408.50'
101	SPIKE	214788.73	1343778.05	437.11'
102	SPIKE	214234.39	1344506.82	448.68'



ABBREVIATIONS

AC	ASPHALT CONCRETE	△	PK NAIL
ADA	AMERICANS WITH DISABILITIES ACT	□	CATCH BASIN
AP	ANGLE POINT	⊕	STORM DRAIN MANHOLE
APPROX	APPROXIMATE	P	POWER VAULT LID
CB	CATCH BASIN	⊕	TRAFFIC SIGNAL
CEM.	CEMENT	⊕	TRAFFIC SIGNAL WITH LUMINAIRE
CL	CENTERLINE	⊕	PEDESTRIAN SIGNAL
CL	CLASS	⊕	JUNCTION BOX
COS	CITY OF SAMMAMISH	⊕	TRAFFIC CONTROL CABINET
CONC	CONCRETE	⊕	STREET LIGHT (LUMINAIRE)
CSBC	CRUSHED SURFACING BASE COURSE	⊕	YARD LIGHT
CSTC	CRUSHED SURFACING TOP COURSE	⊕	TELEPHONE RISER
DIA	DIAMETER	⊕	TELEPHONE VAULT LID
DW	DRIVEWAY	⊕	WATER METER
E	EAST OR EASTING	⊕	UTILITY VAULT LID (GENERIC/UNKNOWN)
EA	EACH	⊕	UTILITY RISER (GENERIC/UNKNOWN)
ELEV	ELEVATION	⊕	GUARD POST
EOP	EDGE OF PAVEMENT	⊕	BOULDER
EW	EACH WAY	⊕	SIGN
EXIST	EXISTING	⊕	SHRUB
FF	FINISHED FLOOR	⊕	PAINTED POWER
FL	FLOW LINE	⊕	PAINTED TELEPHONE
FO	FIBER OPTIC	⊕	PAINTED FIBER OPTIC
FOC	FACE OF CURB	⊕	PAINTED TV
H	HEIGHT	⊕	PAINTED WATER
HMA	HOT MIX ASPHALT	⊕	PAINTED GAS
HORIZ	HORIZONTAL	⊕	OVERHEAD UTILITY LINE (GENERIC)
HP	HIGH POINT	⊕	STORM
IE	INVERT ELEVATION	⊕	SEWER
JB	JUNCTION BOX	⊕	FENCE
L	LENGTH	⊕	HEDGE (HEIGHT NOTED)
LT	LEFT	⊕	EDGE OF PAVEMENT
LF	LINEAR FEET	⊕	CONTOUR
LP	LOW POINT	⊕	CONCRETE
MAX	MAXIMUM	⊕	GRAVEL
MIN	MINIMUM	⊕	ASPHALT/CONCRETE
MH	MANHOLE	⊕	CHAINLINK
MIC	MONUMENT IN CASE	⊕	
MON	MONUMENT	⊕	
N	NORTH OR NORTHING	⊕	
NAVD	NORTH AMERICAN VERTICAL DATUM	⊕	
NO	NUMBER	⊕	
NTS	NOT TO SCALE	⊕	
OC	ON CENTER	⊕	
PC	POINT OF CURVE	⊕	
PT	POINT OF TANGENT	⊕	
R	RADIUS	⊕	
ROW	RIGHT OF WAY	⊕	
RT	RIGHT	⊕	
S	SLOPE OR SOUTH	⊕	
SD	STORM DRAIN	⊕	
SDMH	STORM DRAIN MANHOLE	⊕	
SE	SOUTHEAST	⊕	
SHT	SHEET	⊕	
SQ	SQUARE	⊕	
SS	SANITARY SEWER	⊕	
SSMH	SANITARY SEWER MANHOLE	⊕	
ST	STREET	⊕	
STA	STATION	⊕	
STD	STANDARD	⊕	
STEL	STEEL	⊕	
STCR	STRUCTURE	⊕	
SW	SOUTHWEST	⊕	
TYP	TYPICAL	⊕	
VERT	VERTICAL	⊕	
W	WEST OR WIDTH	⊕	
⊕	INLET PROTECTION		

GENERAL NOTES

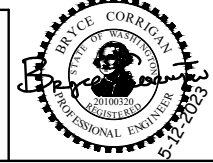
1. ALL MATERIALS AND WORKMANSHIP SHALL BE FURNISHED AND SUPPLIED IN ACCORDANCE WITH THE 2023 WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION AND CITY OF SAMMAMISH PUBLIC WORKS STANDARDS, AND THESE CONTRACT DOCUMENTS UNLESS OTHERWISE SPECIFICALLY NOTED.
2. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT AND COORDINATE WITH ALL UTILITY COMPANIES IN ORDER TO ASSURE THAT ALL LINES, PIPES, POLES, AND OTHER APPURTENANCES ARE PROPERLY LOCATED, SECURED, AND/OR PROTECTED. BURIED UTILITIES (WHERE KNOWN) ARE SHOWN IN THEIR APPROXIMATE LOCATION. THE CONTRACTOR SHALL HAVE UTILITIES VERIFIED PRIOR TO ANY CONSTRUCTION. HAVE UTILITIES LOCATED: CALL #811.
3. THE CONTRACTOR SHALL HAVE A COPY OF THESE PLANS, ANY ADDENDA, CHANGE ORDERS AND THE CONTRACT SPECIFICATIONS ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
4. THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER IN THE EVENT OR DISCOVERY OF DISCREPANCIES FROM THE PLANS.
5. WHEREVER PLANS REFER TO "SAWCUT" OF ASPHALT CONCRETE PAVEMENT OR CONCRETE SURFACE, THE CONTRACTOR SHALL PERFORM A FULL DEPTH "NEAT LINE CUT".
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL IN ACCORDANCE WITH MUTCD. PRIOR TO DISRUPTION OF ANY TRAFFIC, TRAFFIC CONTROL PLANS SHALL BE PREPARED AND SUBMITTED TO THE CITY FOR APPROVAL AT THE PRECONSTRUCTION CONFERENCE. NO WORK SHALL COMMENCE UNTIL ALL APPROVED TRAFFIC CONTROL IS IN PLACE.
7. PROTECTION OF THE ENVIRONMENT: NO CONSTRUCTION RELATED ACTIVITY SHALL CONTRIBUTE TO THE DEGRADATION OF THE ENVIRONMENT, ALLOW MATERIAL TO ENTER SURFACE OR GROUND WATERS, OR ALLOW PARTICULATE EMISSIONS TO THE ATMOSPHERE, WHICH EXCEED STATE OR FEDERAL STANDARDS. ANY ACTIONS THAT POTENTIALLY ALLOW A DISCHARGE TO STATE WATERS MUST HAVE PRIOR APPROVAL OF THE WASHINGTON STATE DEPARTMENT OF ECOLOGY.
8. ONLY ONE CORNER OF AN INTERSECTION MAY BE CLOSED / PARTIALLY CLOSED TO PEDESTRIANS AT ANY GIVEN TIME.
9. HIGH VISIBILITY FENCE SHALL BE INSTALLED AT ANY DROP OFF GREATER THAN FOUR INCHES IN HEIGHT WITHIN THE CONSTRUCTION AREA.

SIGNAL EQUIPMENT LEGEND

EXISTING	NEW	DESCRIPTION
		TYPE 3 SIGNAL POLE
		TYPE 3 SIGNAL POLE
		TYPE FB SIGNAL POLE
		TYPE PPB SIGNAL POLE
		APS STYLE PUSH BUTTON
		RRFB POLE, EQUIPMENT AND SIGNS
		JUNCTION BOX TYPE 1, 8
		CONDUIT

NO.	DATE	BY	APPR.	REVISIONS

Approved By		21043W6COV.dwg
ENGINEERING MANAGER	DATE	FILENAME
PROJECT MANAGER	DATE	EH 05/23
PROJECT ENGINEER	DATE	DESIGNED BY DATE
		KFL 05/23
		DRAWN BY DATE
		BMC 05/23
		CHECKED BY DATE



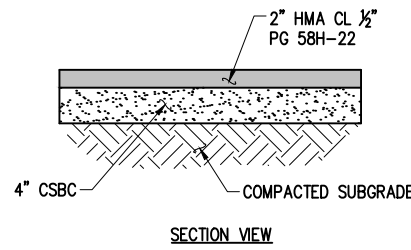
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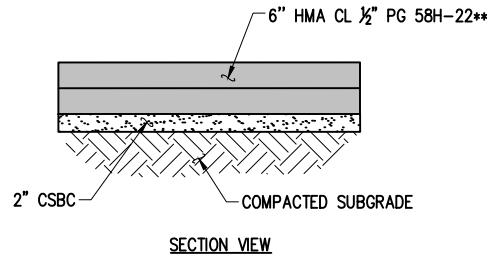


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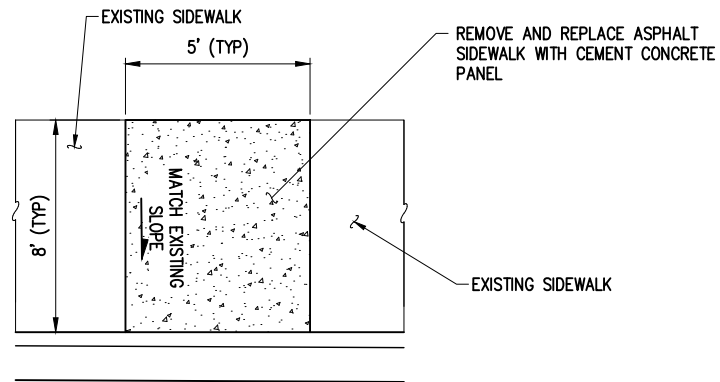
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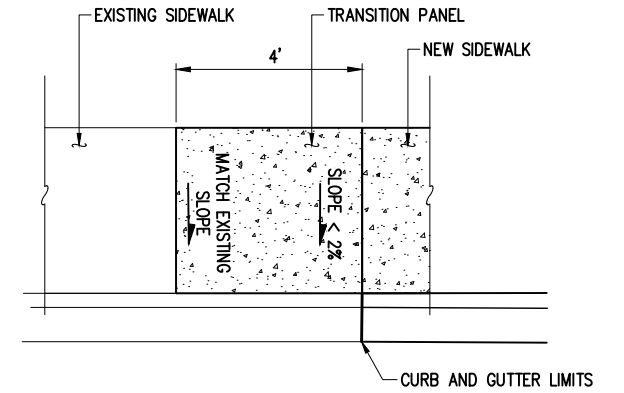
HMA WALKWAY SECTION
NTS



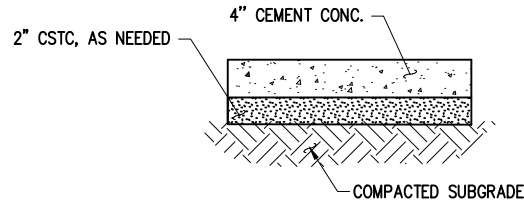
HMA DRIVEWAY SECTION
**6" MINIMUM OR MATCH EXISTING, WHICHEVER IS GREATER. SHALL BE PLACED IN MIN 2 LIFTS
NTS



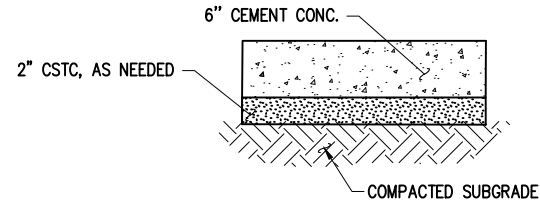
SIDEWALK REPLACEMENT AREA
NTS



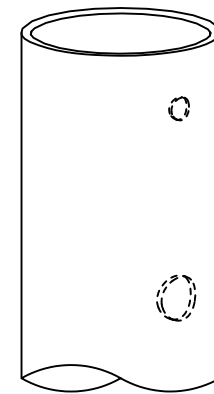
TYPICAL TRANSITION PANEL
NTS



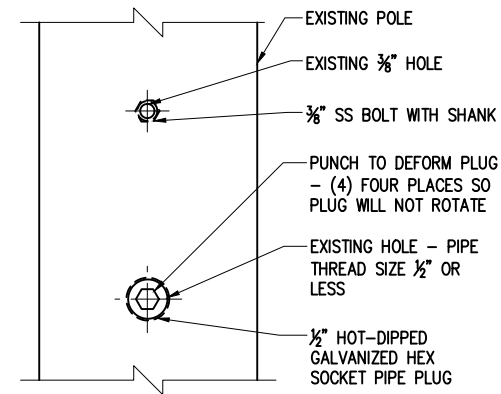
STANDARD CONCRETE SIDEWALK SECTION
NTS



THICKENED SIDEWALK SECTION
NTS



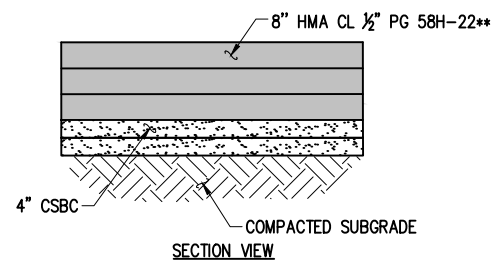
ISOMETRIC VIEW



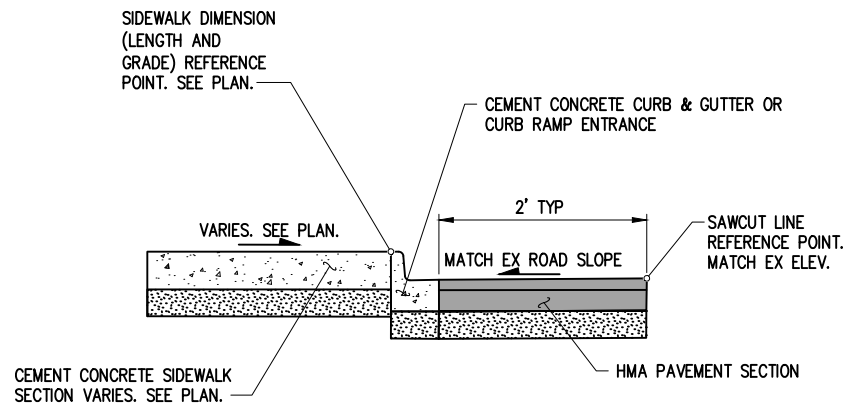
ELEVATION VIEW

EXAMPLE OF REPAIR FROM PPB LOCATION -
1/2" AND 3/8" DIAMETER HOLES SHOWN

- FOR UNC OR UNF THREADS:**
1. APPLY SILICONE CAULK TO THREADS OF SS BOLT WITH SHANK.
 2. TIGHTEN SS BOLT UNTIL SHANK IS TIGHT AGAINST STANDARD.
 3. CUT OFF SS BOLT EVEN WITH STANDARD.
 4. FILE SS BOLT TO MATCH CONTOUR OF STANDARD.
 5. TREAT SS BOLT AND SURROUNDING POLE WITH GALVANIZING REPAIR PAINT MEETING THE REQUIREMENT OF STANDARD SPECIFICATION 9-08.1(2).
 6. APPLY TWO COATS. PAINT SHALL BE DRY BEFORE APPLYING SECOND COAT.
- FOR NATIONAL PIPE THREADS:**
1. APPLY SILICONE CAULK TO THREADS OF HOT-DIPPED GALVANIZED HEX SOCKET PIPE PLUG.
 2. TIGHTEN PLUG UNTIL FLUSH WITH STANDARD.
 3. FILE PLUG TO MATCH CONTOUR OF STANDARD.
 4. FILL HEX SOCKET WITH PAINTABLE SILICONE CAULK.
 5. TREAT PLUG AND SURROUNDING POLE WITH GALVANIZING REPAIR PAINT MEETING THE REQUIREMENT OF STANDARD SPECIFICATION 9-08.1(2).
 6. APPLY TWO COATS. PAINT SHALL BE DRY BEFORE APPLYING SECOND COAT.

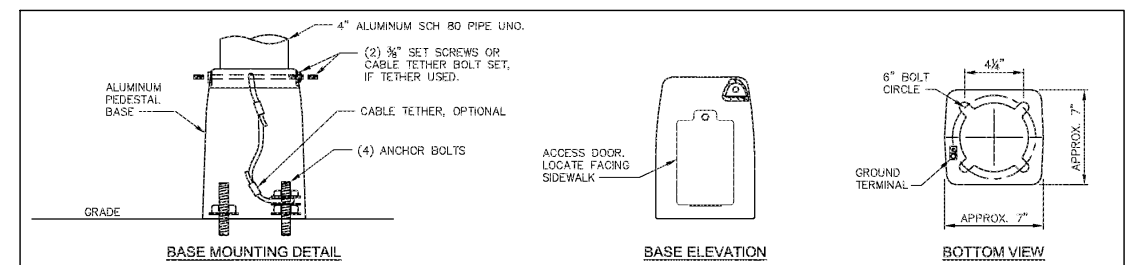


HMA PAVEMENT SECTION
**8" MINIMUM OR MATCH EXISTING, WHICHEVER IS GREATER. SHALL BE PLACED IN MIN 3 LIFTS
NTS



TYPICAL CURB & GUTTER SECTION
NTS

HOLE REPAIR PROCEDURE - BOLT HOLE SIZE 1/2 INCH DIAMETER OR LESS
NTS



ALUMINUM PEDESTAL BASE - 6" BOLT CIRCLE

NO.	DATE	BY	APPR.	REVISIONS

Approved By

ENGINEERING MANAGER	DATE
PROJECT MANAGER	DATE
PROJECT ENGINEER	DATE

TYPICAL DETAILS.dwg

FILENAME	
DESIGNED BY	05/23
DATE	
KFL	05/23
DRAWN BY	DATE
BMC	05/23
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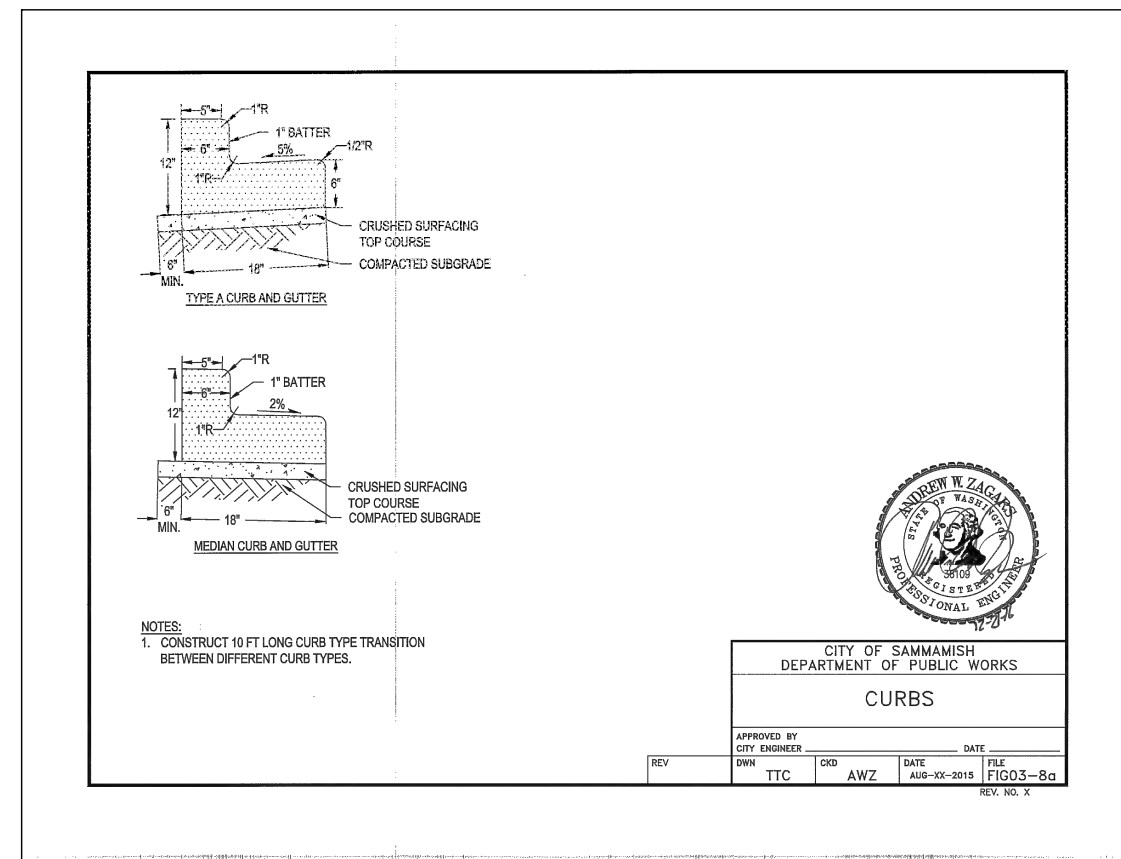
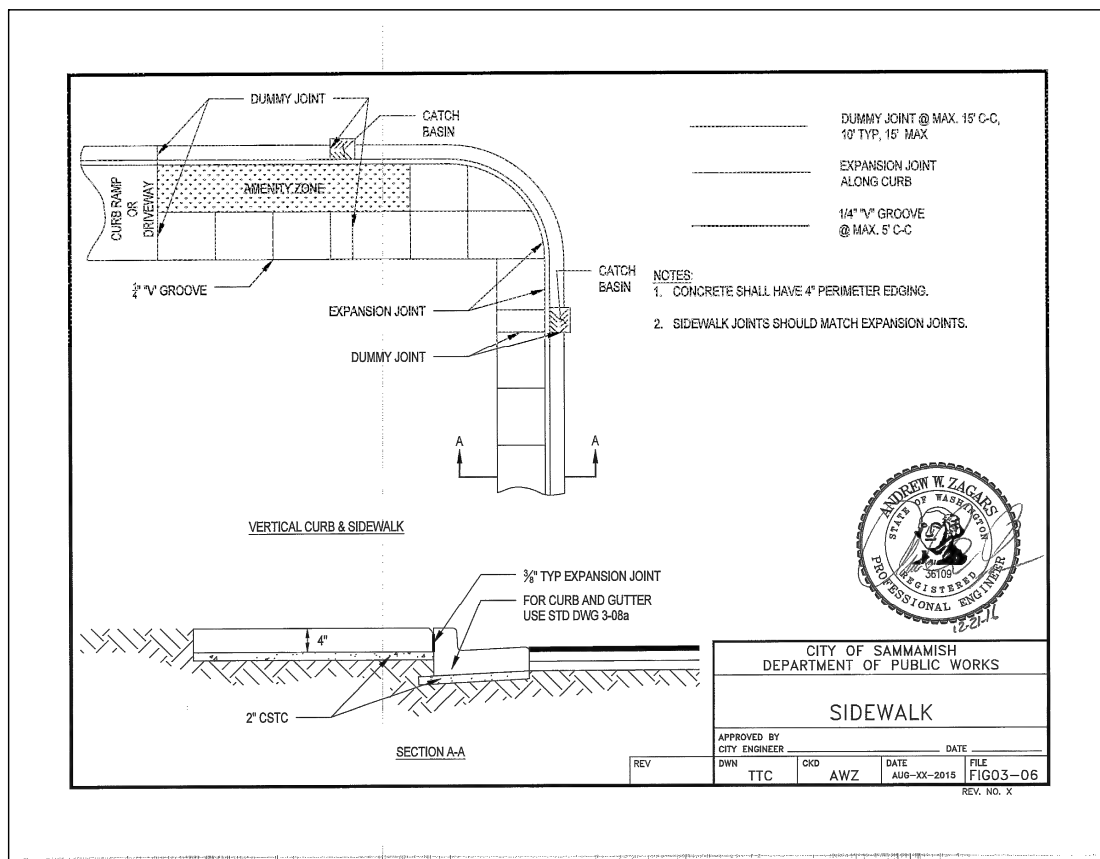
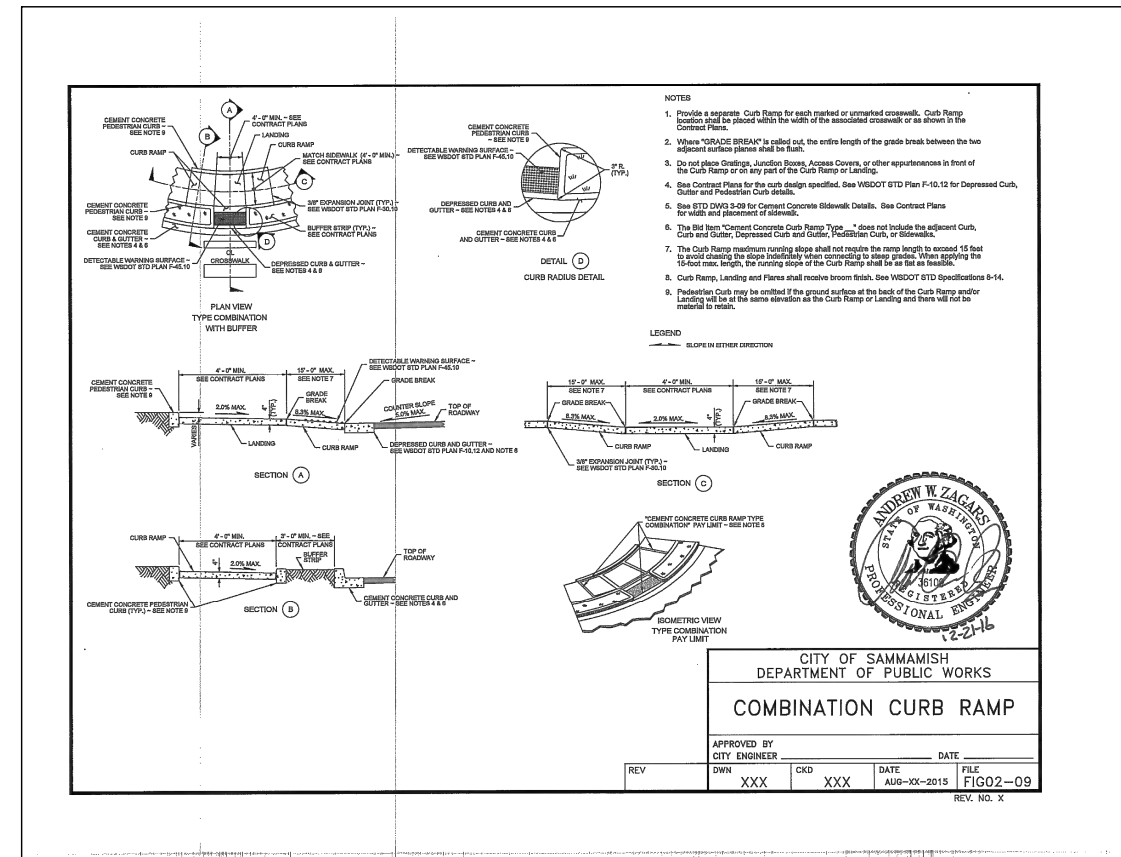
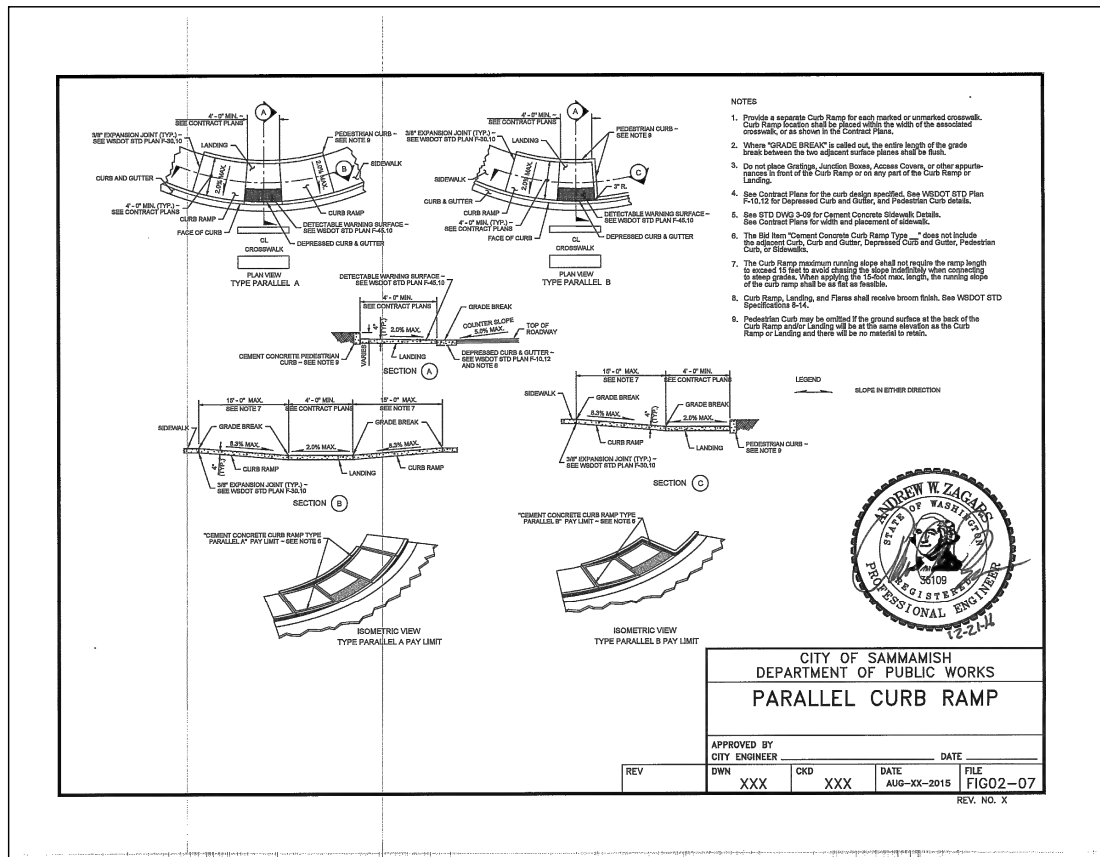


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DETAILS
TYPICAL DETAILS

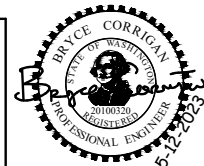
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NO.	DATE	BY	APPR.	REVISIONS

Approved By		FILENAME	DATE
ENGINEERING MANAGER	DATE	EH	05/23
PROJECT MANAGER	DATE	KFL	05/23
PROJECT ENGINEER	DATE	BMC	05/23
	DATE	CHECKED BY	DATE



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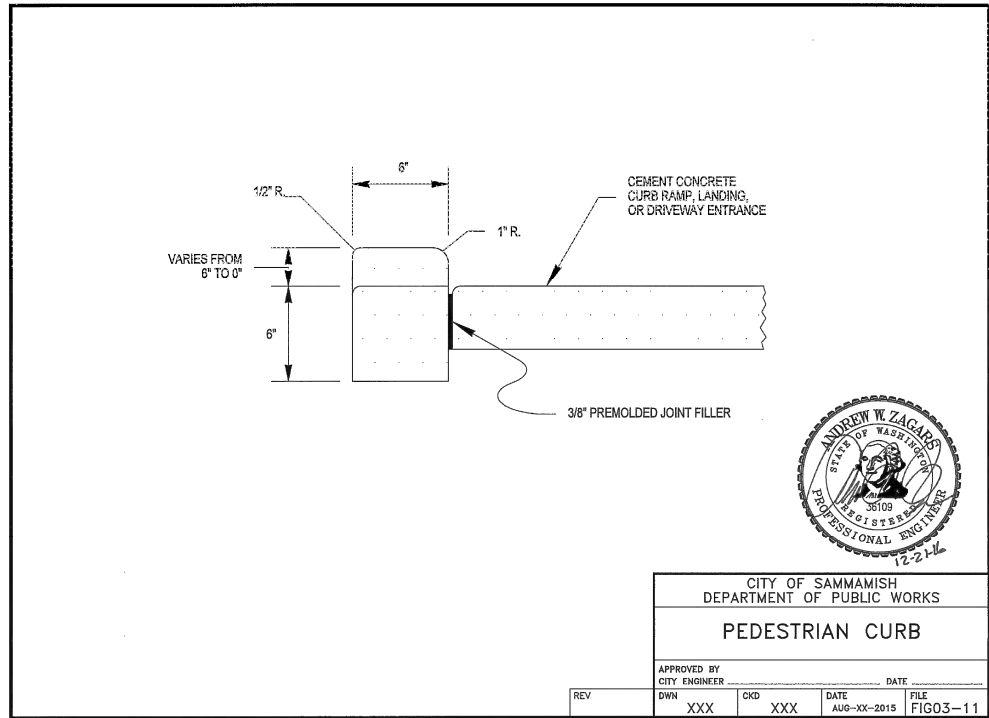
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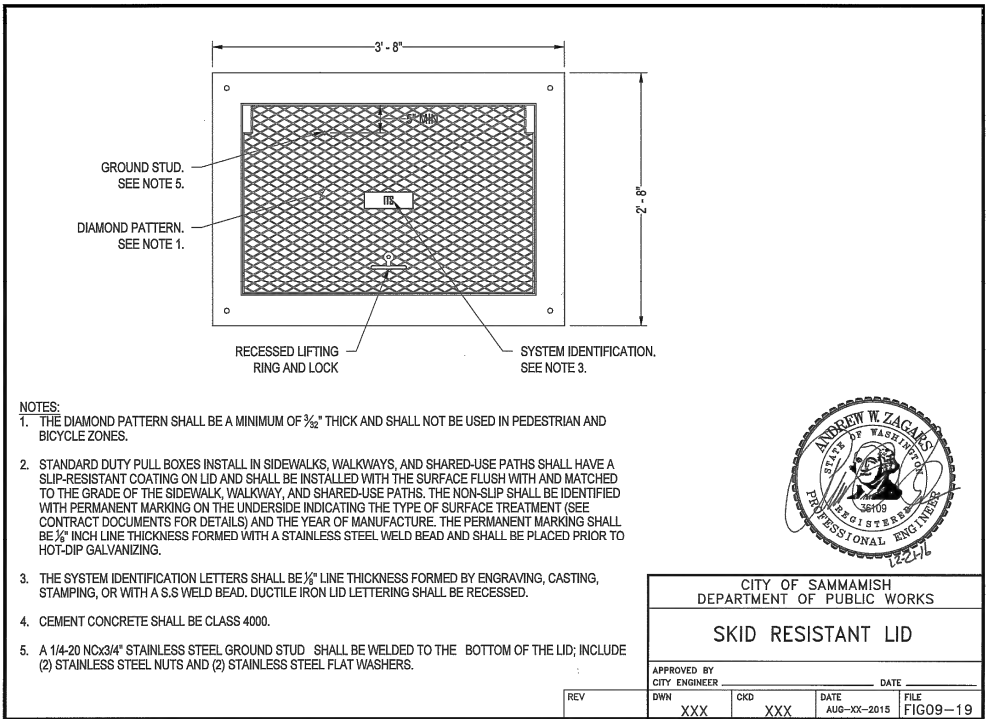
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DETAILS STANDARD DETAILS	
KPG PROJECT No. 21043W6	SHT 4 OF 14

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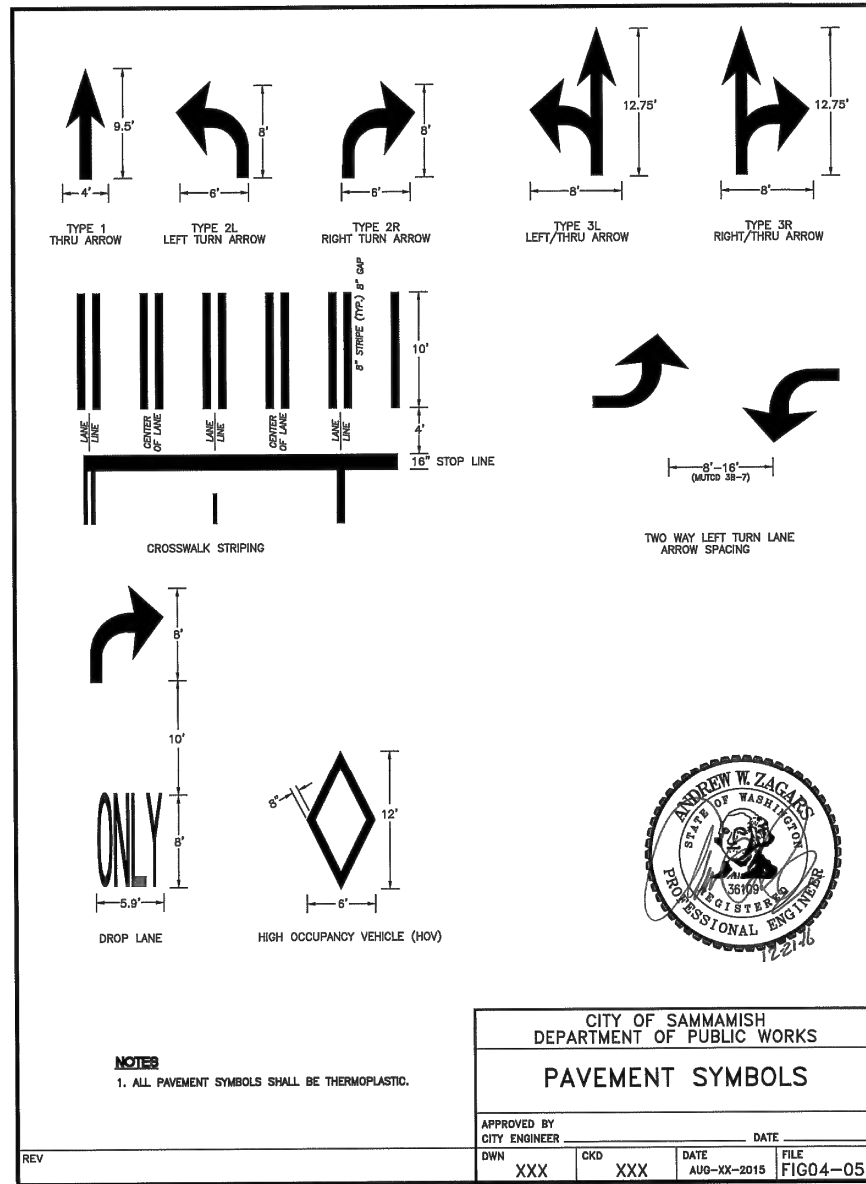


CITY OF SAMMAMISH DEPARTMENT OF PUBLIC WORKS				
PEDESTRIAN CURB				
APPROVED BY CITY ENGINEER		DATE		
DWN	CKD	DATE	FILE	REV. NO. X
XXX	XXX	AUG-XX-2015	FIG03-11	



- NOTES:**
1. THE DIAMOND PATTERN SHALL BE A MINIMUM OF 3/8" THICK AND SHALL NOT BE USED IN PEDESTRIAN AND BICYCLE ZONES.
 2. STANDARD DUTY PULL BOXES INSTALL IN SIDEWALKS, WALKWAYS, AND SHARED-USE PATHS SHALL HAVE A SLIP-RESISTANT COATING ON LID AND SHALL BE INSTALLED WITH THE SURFACE FLUSH WITH AND MATCHED TO THE GRADE OF THE SIDEWALK, WALKWAY, AND SHARED-USE PATHS. THE NON-SLIP SHALL BE IDENTIFIED WITH PERMANENT MARKING ON THE UNDERSIDE INDICATING THE TYPE OF SURFACE TREATMENT (SEE CONTRACT DOCUMENTS FOR DETAILS) AND THE YEAR OF MANUFACTURE. THE PERMANENT MARKING SHALL BE 1/2" INCH LINE THICKNESS FORMED WITH A STAINLESS STEEL WELD BEAD AND SHALL BE PLACED PRIOR TO HOT-DIP GALVANIZING.
 3. THE SYSTEM IDENTIFICATION LETTERS SHALL BE 1/8" LINE THICKNESS FORMED BY ENGRAVING, CASTING, STAMPING, OR WITH A S.S WELD BEAD. DUCTILE IRON LID LETTERING SHALL BE RECESSED.
 4. CEMENT CONCRETE SHALL BE CLASS 4000.
 5. A 1/4-20 NX3/4" STAINLESS STEEL GROUND STUD SHALL BE WELDED TO THE BOTTOM OF THE LID; INCLUDE (2) STAINLESS STEEL NUTS AND (2) STAINLESS STEEL FLAT WASHERS.

CITY OF SAMMAMISH DEPARTMENT OF PUBLIC WORKS				
SKID RESISTANT LID				
APPROVED BY CITY ENGINEER		DATE		
DWN	CKD	DATE	FILE	REV. NO. X
XXX	XXX	AUG-XX-2015	FIG09-19	

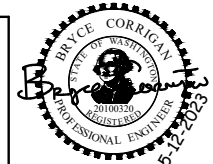


CITY OF SAMMAMISH DEPARTMENT OF PUBLIC WORKS				
PAVEMENT SYMBOLS				
APPROVED BY CITY ENGINEER		DATE		
DWN	CKD	DATE	FILE	REV. NO. X
XXX	XXX	AUG-XX-2015	FIG04-05	

NO.	DATE	BY	APPR.	REVISIONS

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ENGINEERING MANAGER	DATE
PROJECT MANAGER	DATE
PROJECT ENGINEER	DATE

TYPICAL DETAILS.dwg	FILENAME
EH	05/23
DESIGNED BY	DATE
KFL	05/23
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BMC	05/23
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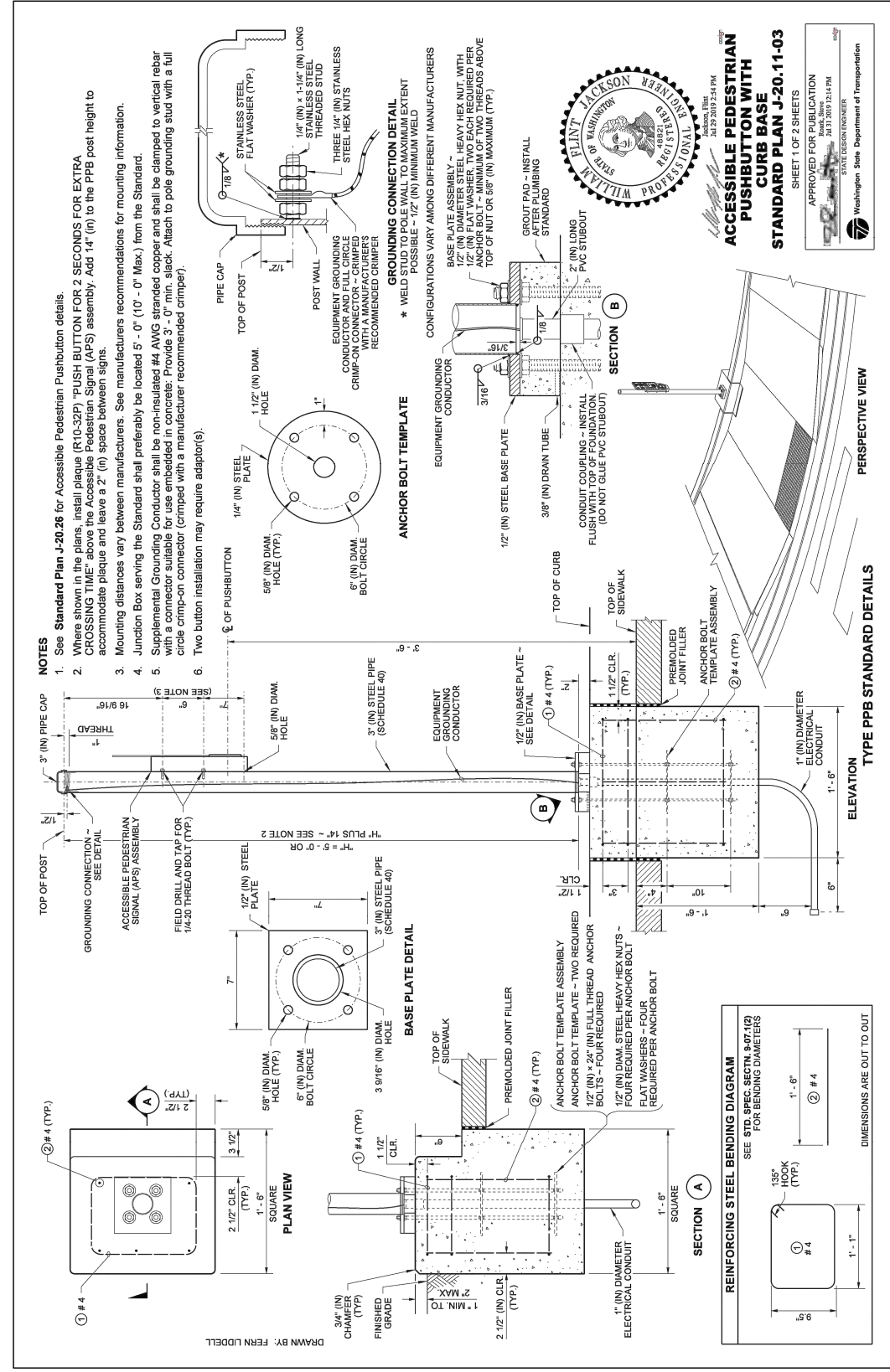
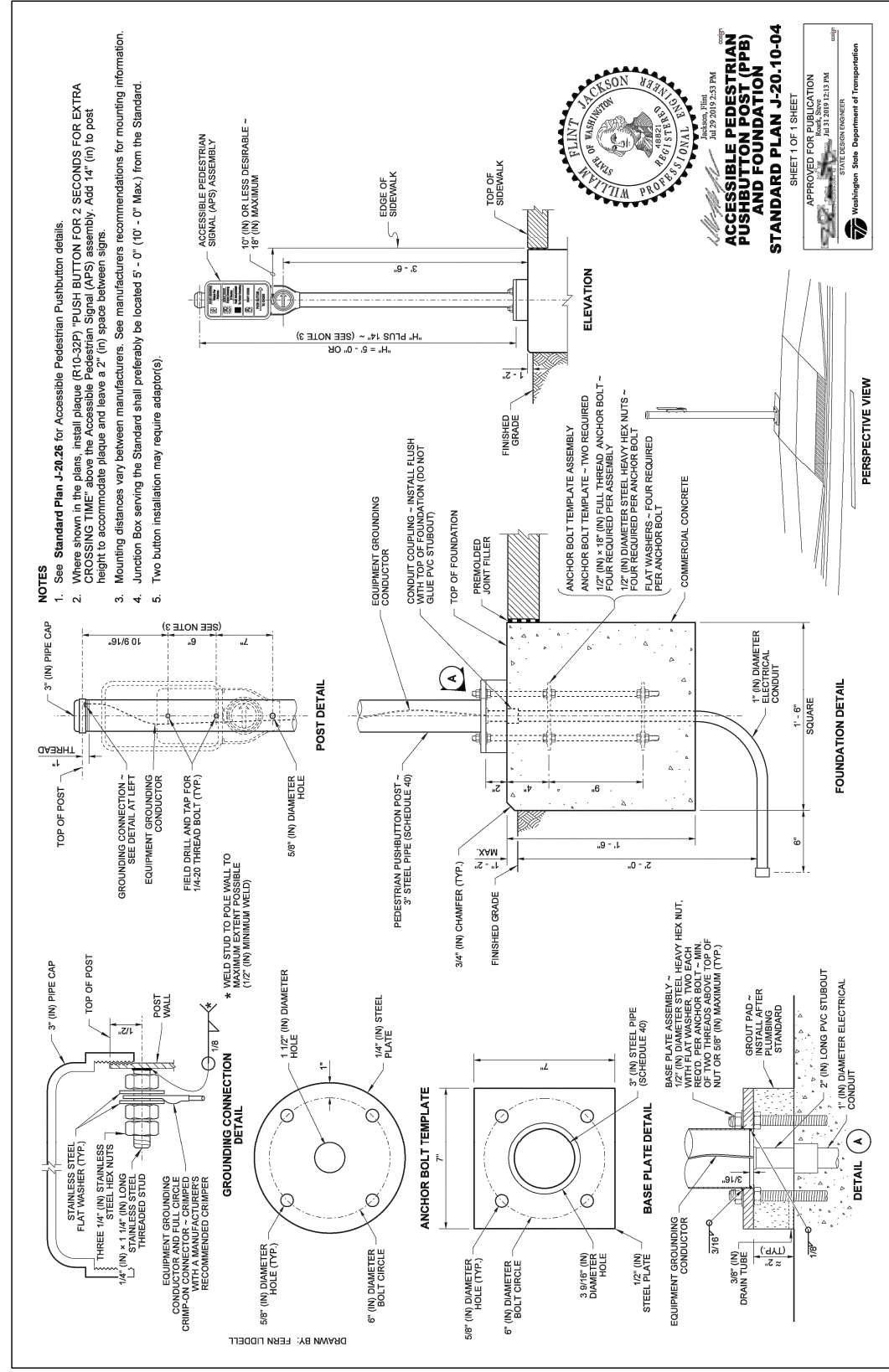
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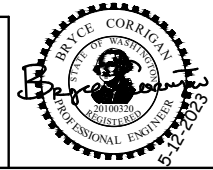
2023 ADA BARRIER REMOVAL PROJECT

DETAILS STANDARD DETAILS	
KPG PROJECT No. 21043W6	SHT <u>5</u> OF <u>14</u>



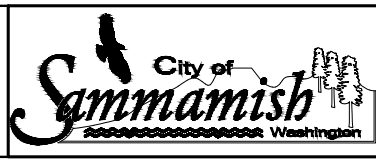
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	DATE	CHECKED BY



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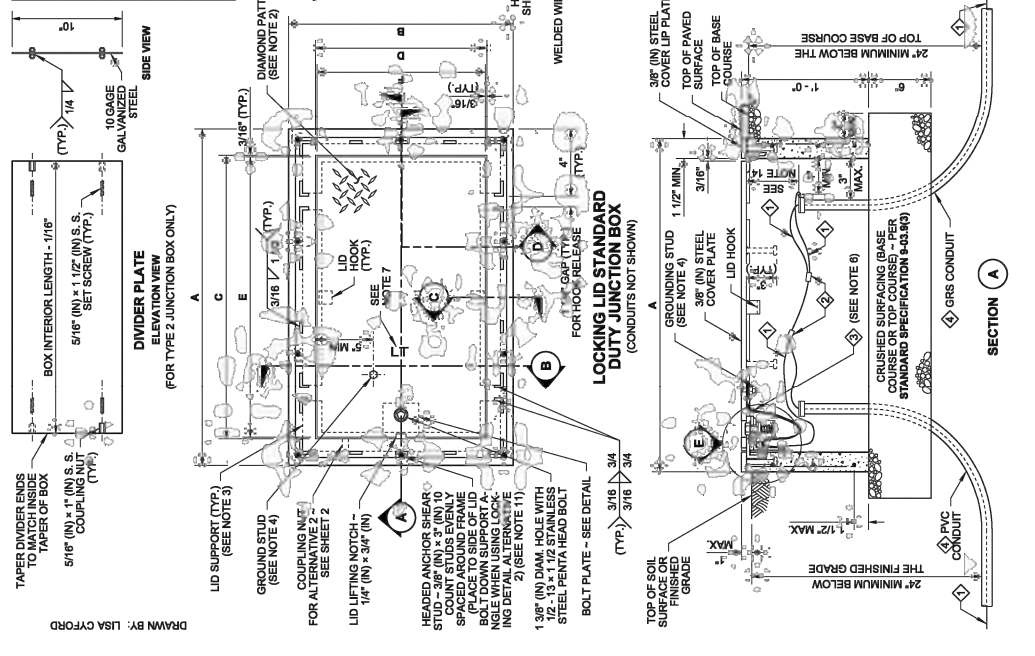
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2023 ADA BARRIER REMOVAL PROJECT

ITEM	BOX TYPE	
	TYPE 1	TYPE 2
A. OUTSIDE LENGTH OF JUNCTION BOX	22"	33"
B. OUTSIDE WIDTH OF JUNCTION BOX	17"	22 1/2"
C. INSIDE LENGTH OF JUNCTION BOX	18" - 19"	28" - 29"
D. INSIDE WIDTH OF JUNCTION BOX	13" - 14"	17" - 18"
E. LID LENGTH	17.58"	28.68"
F. LID WIDTH	12.98"	18.16"
G. CAPACITY - CONDUIT DIAMETER	6"	12"

- NOTES**
- All box dimensions are approximate. Exact configurations vary among manufacturers.
 - Minimum lid thickness shown. Junction Boxes installed in sidewalks, walkways, and shared-use paths shall have a slip-resistant coating on the lid and lip cover plate, and shall be installed with the surface flush with and matched to the grade of the sidewalk, walkway, or shared-use path.
 - When required in the Contract, provide a 10" (in) x 27 1/2" (in), 10 gage divider plate, complete, with the permanent marking shall be 1/8" (in) line thickness formed with a mild steel weld bead and shall be placed prior to hot-dip galvanizing.
 - Lid support members shall be 3/16" (in) minimum thick steel C, L, or T shape, welded to the frame.
 - A. 1/4-20 NC x 3/4" (in) stainless steel ground stud shall be welded to the bottom of the lid, include (2) stainless steel nuts and (2) stainless steel flat washers.
 - Bolts and nuts shall be liberally coated with anti-seize compound.
 - Equipment Bonding Jumper shall be # 8 AWG min. x 4' (ft) of tinned braided copper.
 - The System Identification letters shall be 1/8" (in) line thickness formed with a mild steel weld bead. See Cover Marking detail. Grind off diamond pattern before forming letters. For System identification details, see **Standard Specification 9-23.2(4)**.
 - When required in the Contract, provide a 10" (in) x 27 1/2" (in), 10 gage divider plate, complete, with fasteners, in each Type 2 Junction Box where specified.
 - When required in the Contract, provide a 12" (in) deep extension for each Type 2 Junction Box where specified.
 - See the **Standard Specifications** for alternative reinforcement and class of concrete.
 - Headed Anchor Shear Studs must be welded to the Steel Cover Lip Plate and wire tied in two places to the vertical Welded Wire Fabric when in contact with each other. Wire tie all other Headed Anchor Shear Studs to the horizontal Welded Wire Fabric.
 - Lid Bolt Down Attachment Tab provides a method of retrofitting by using a mechanical process in lieu of welding. Attachment Tab shown depicts a typical component arrangement; actual configurations of assembly will vary among manufacturers. See approved manufacturers' shop drawings for specifics.
 - Unless otherwise noted in the plans or approved by the Engineer, Junction Boxes, Cable Vaults, and Pull Boxes shall not be placed within the sidewalks, walkways, shared use paths, traveled ways or paved shoulders. All Junction Boxes, Cable Vaults, and Pull Boxes placed within the traveled way or paved shoulders shall be heavy-duty.
 - Distance between the top of the conduit and the bottom of the Junction Box lid shall be 8" (in) min. to 8" (in) max. for final grade of new construction only. See **Standard Specification 8-20.3(6)**. Where adjustments are required, the maximum height of the Junction Box lid shall be from 6" (in) min. to 10" (in) max. See **Standard Specification 8-20.3(6)**.



LOCKING LID STANDARD DUTY JUNCTION BOX (CONDUITS NOT SHOWN)

SECTION A (CONDUITS NOT SHOWN)

SECTION B (CONDUITS NOT SHOWN)

SECTION C (CONDUITS NOT SHOWN)

SECTION D (CONDUITS NOT SHOWN)

SECTION E (CONDUITS NOT SHOWN)

SECTION F (CONDUITS NOT SHOWN)

JOSEPH BAILEY
LICENSED PROFESSIONAL ENGINEER
STATE OF WASHINGTON
LICENSE NO. 39820
APR 25 2016 9:32 AM

APPROVED FOR PUBLICATION
Joseph Bailey
STATE DESIGN ENGINEER
WASHINGTON STATE Department of Transportation

LOCKING LID STANDARD DUTY JUNCTION BOX TYPES 1 & 2
STANDARD PLAN J-40.10-04
SHEET 1 OF 2 SHEETS

SECTION B (CONDUITS NOT SHOWN)

SECTION A (CONDUITS NOT SHOWN)

BRUCE CORRIGAN
LICENSED PROFESSIONAL ENGINEER
STATE OF WASHINGTON
LICENSE NO. 5122033

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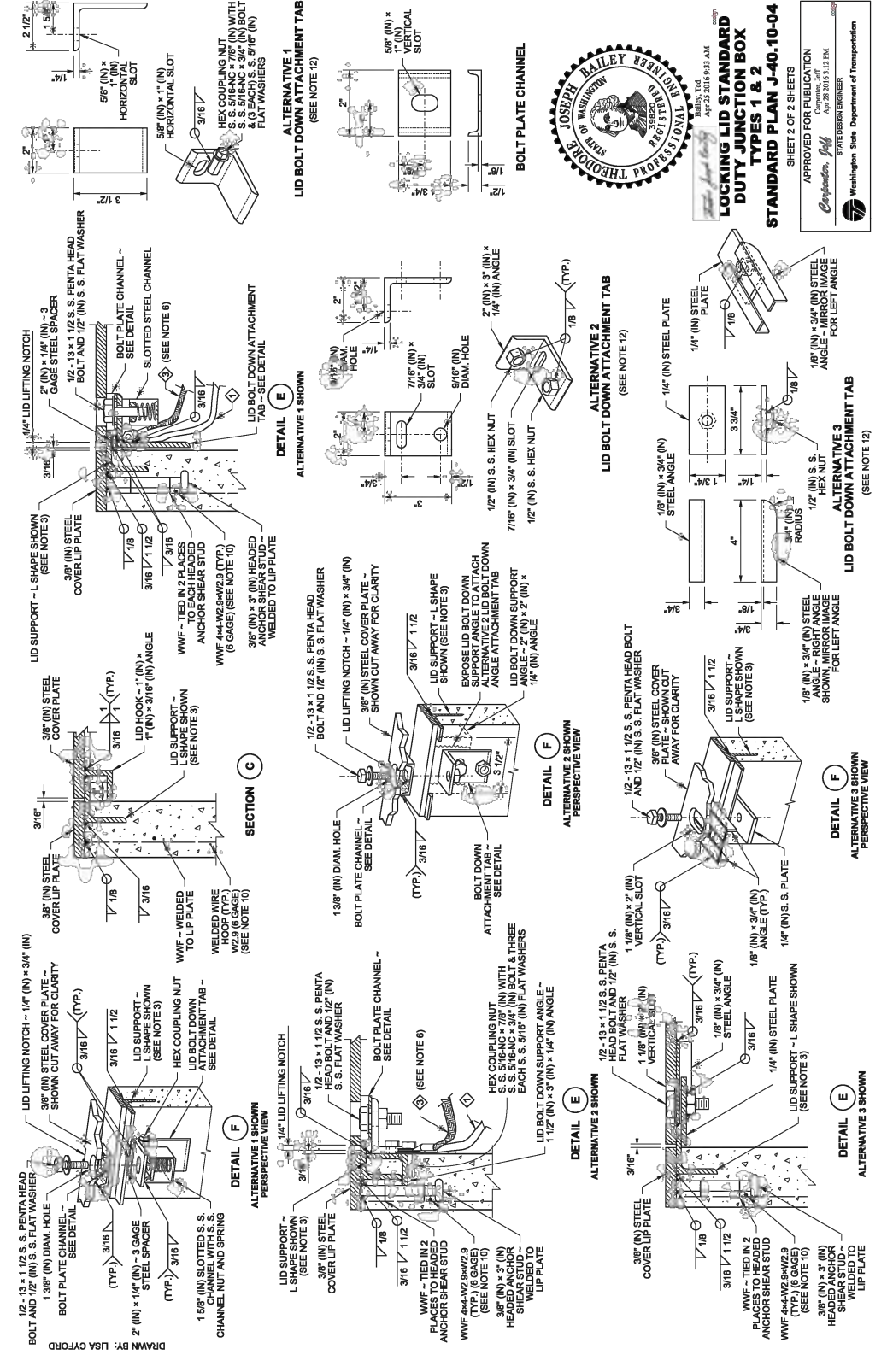
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City of Sammamish
Washington

2023 ADA BARRIER REMOVAL PROJECT

DETAILS
STANDARD DETAILS



ALTERNATIVE 1 SHOWN (SEE NOTE 12)

ALTERNATIVE 2 SHOWN (SEE NOTE 12)

ALTERNATIVE 3 SHOWN (SEE NOTE 12)

ALTERNATIVE 1 SHOWN (SEE NOTE 12)

ALTERNATIVE 2 SHOWN (SEE NOTE 12)

ALTERNATIVE 3 SHOWN (SEE NOTE 12)

JOSEPH BAILEY
LICENSED PROFESSIONAL ENGINEER
STATE OF WASHINGTON
LICENSE NO. 39820
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WASHINGTON STATE Department of Transportation

LOCKING LID STANDARD DUTY JUNCTION BOX TYPES 1 & 2
STANDARD PLAN J-40.10-04
SHEET 2 OF 2 SHEETS

SECTION B (CONDUITS NOT SHOWN)

SECTION A (CONDUITS NOT SHOWN)

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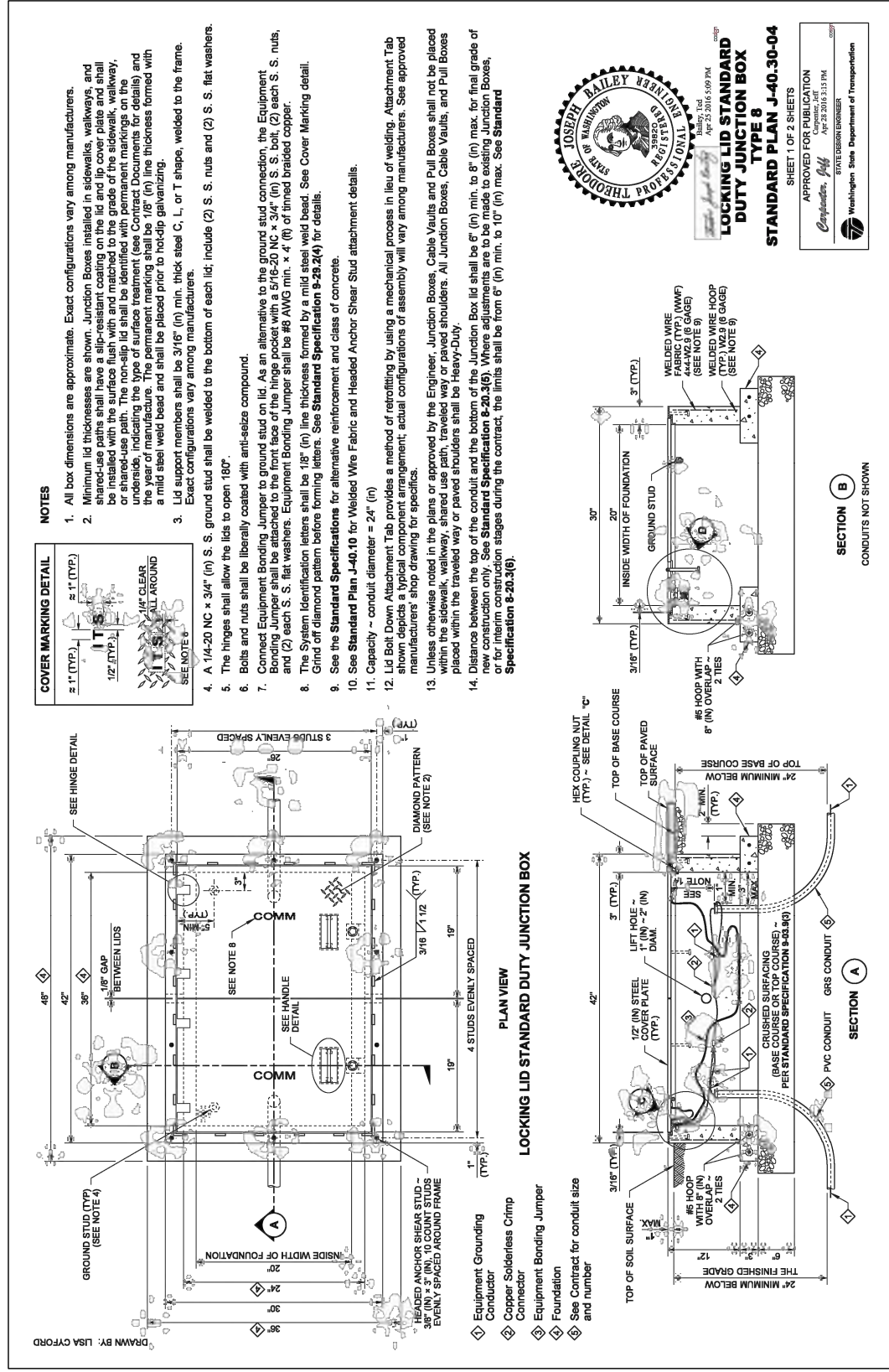
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City of Sammamish
Washington

2023 ADA BARRIER REMOVAL PROJECT

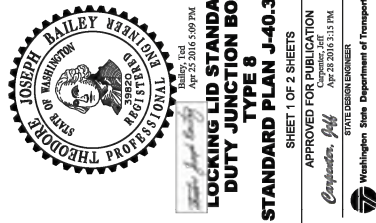
DETAILS
STANDARD DETAILS



COVER MARKING DETAIL

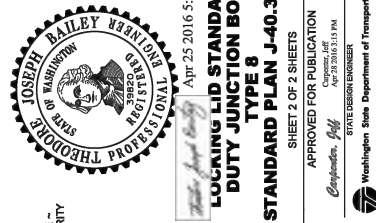
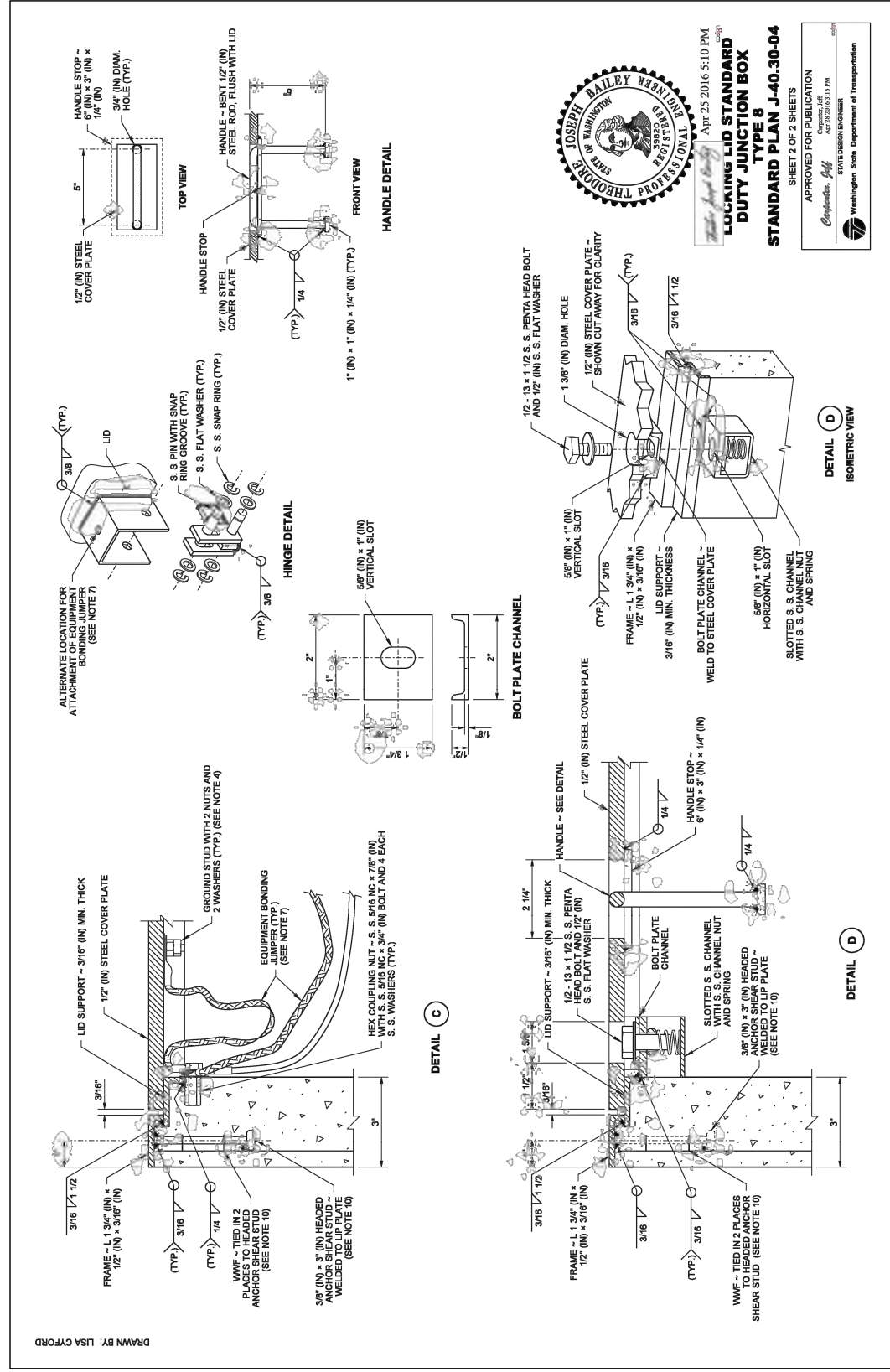


- NOTES**
- All box dimensions are approximate. Exact configurations vary among manufacturers.
 - Minimum lid thicknesses are shown. Junction Boxes installed in sidewalks, walkways, and shared-use paths shall have a slip-resistant coating on the lid and lip cover plate and shall be installed with the surface flush with and matched to the grade of the sidewalk, walkway, or shared-use path. The slip-resistant coating shall be applied to the top surface of the lid and the bottom surface of the lip cover plate. The slip-resistant coating shall be applied to the top surface of the lid and the bottom surface of the lip cover plate. The slip-resistant coating shall be applied to the top surface of the lid and the bottom surface of the lip cover plate. The slip-resistant coating shall be applied to the top surface of the lid and the bottom surface of the lip cover plate.
 - Lid support members shall be 3/16" (in) min. thick steel C, L, or T shape, welded to the frame. Exact configurations vary among manufacturers.
 - A 1/4-20 NC x 3/4" (in) S. S. ground stud shall be welded to the bottom of each lid; include (2) S. S. nuts and (2) S. S. flat washers. The hinges shall allow the lids to open 180°.
 - Bolts and nuts shall be liberally coated with anti-seize compound.
 - Connect Equipment Bonding Jumper to ground stud on lid. As an alternative to the ground stud connection, the Equipment Bonding Jumper shall be attached to the front face of the hinge pocket with a 5/16-20 NC x 3/4" (in) S. S. bolt, (2) each S. S. nuts, and (2) each S. S. flat washers. Equipment Bonding Jumper shall be #8 AWG min., x 4' (ft) of tinned braided copper.
 - The System Identification letters shall be 1/8" (in) line thickness formed by a mild steel weld bead. See Cover Marking detail. Grind of diamond pattern before forming letters. See Standard Specification 5-23.2(4) for details.
 - See the Standard Specifications for alternative reinforcement and class of concrete.
 - See Standard Plan J-40.10 for Welded Wire Fabric and Headed Anchor Shear Stud attachment details.
 - Capacity - conduit diameter = 24" (in)
 - Lid Bolt Down Attachment Tab provides a method of retrofitting by using a mechanical process in lieu of welding. Attachment Tab shown depicts a typical component arrangement; actual configurations of assembly will vary among manufacturers. See approved manufacturers' shop drawing for specifics.
 - Unless otherwise noted in the plans or approved by the Engineer, Junction Boxes, Cable Vaults and Pull Boxes shall not be placed within the sidewalk, walkway, shared use path, traveled way or paved shoulders. All Junction Boxes, Cable Vaults, and Pull Boxes placed within the traveled way or paved shoulders shall be Heavy-Duty.
 - Distance between the top of the conduit and the bottom of the Junction Box lid shall be 6" (in) min. to 8" (in) max. for final grade of new construction only. See Standard Specification 8-20.3(6). Where adjustments are to be made to existing Junction Boxes, or for interim construction stages during the contract, the limits shall be from 6" (in) min. to 10" (in) max. See Standard Specification 8-20.3(6).



LOCKING LID STANDARD DUTY JUNCTION BOX TYPE B
STANDARD PLAN J-40.30-04
 SHEET 1 OF 2 SHEETS
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SECTION B
 CONDUITS NOT SHOWN



LOCKING LID STANDARD DUTY JUNCTION BOX TYPE B
STANDARD PLAN J-40.30-04
 SHEET 2 OF 2 SHEETS
 APPROVED FOR PUBLICATION
 10/27/2023 11:31 AM
 STATE DESIGN ENGINEER
 Joseph Bailey Herbolson
 Washington State Department of Transportation

DETAIL D
 ISOMETRIC VIEW

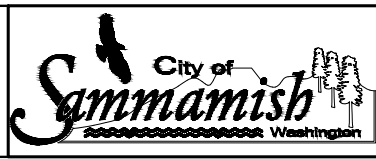
NO.	DATE	BY	APPR.	REVISIONS

Approved By		TYPICAL DETAILS.dwg
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PROJECT ENGINEER	DATE	DESIGNED BY DATE
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		DRAWN BY DATE
		BMC 05/23
		CHECKED BY DATE



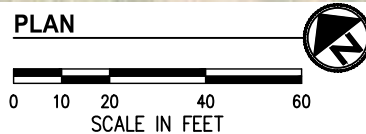
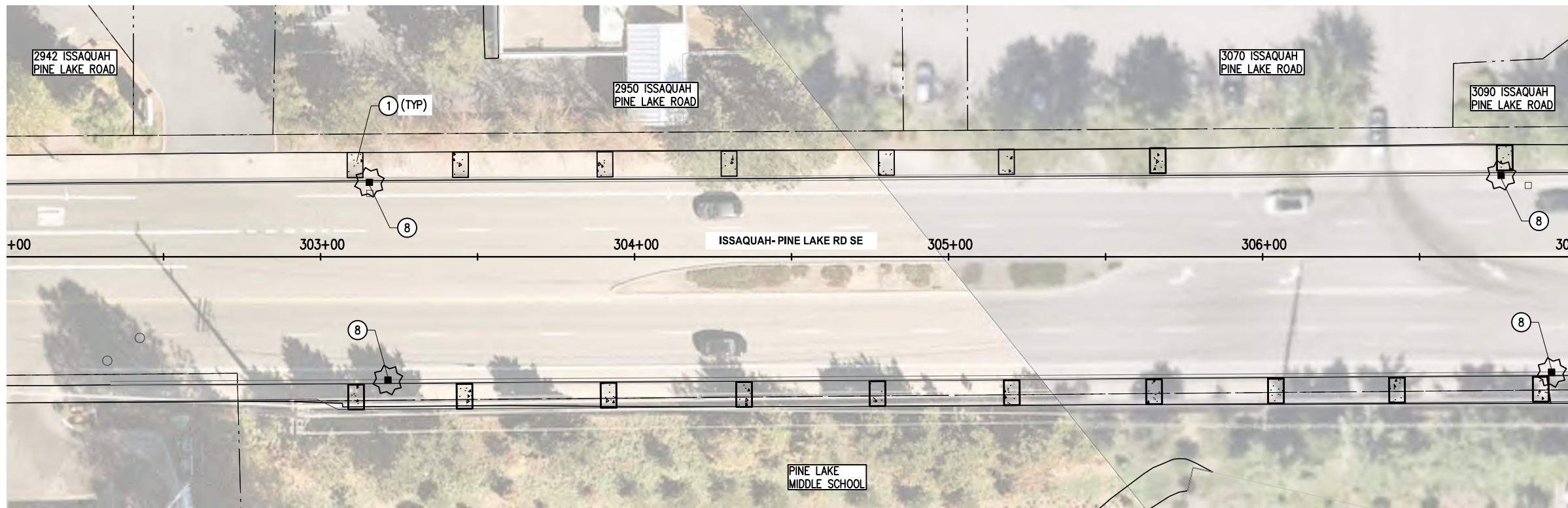
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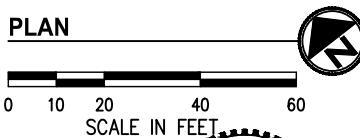
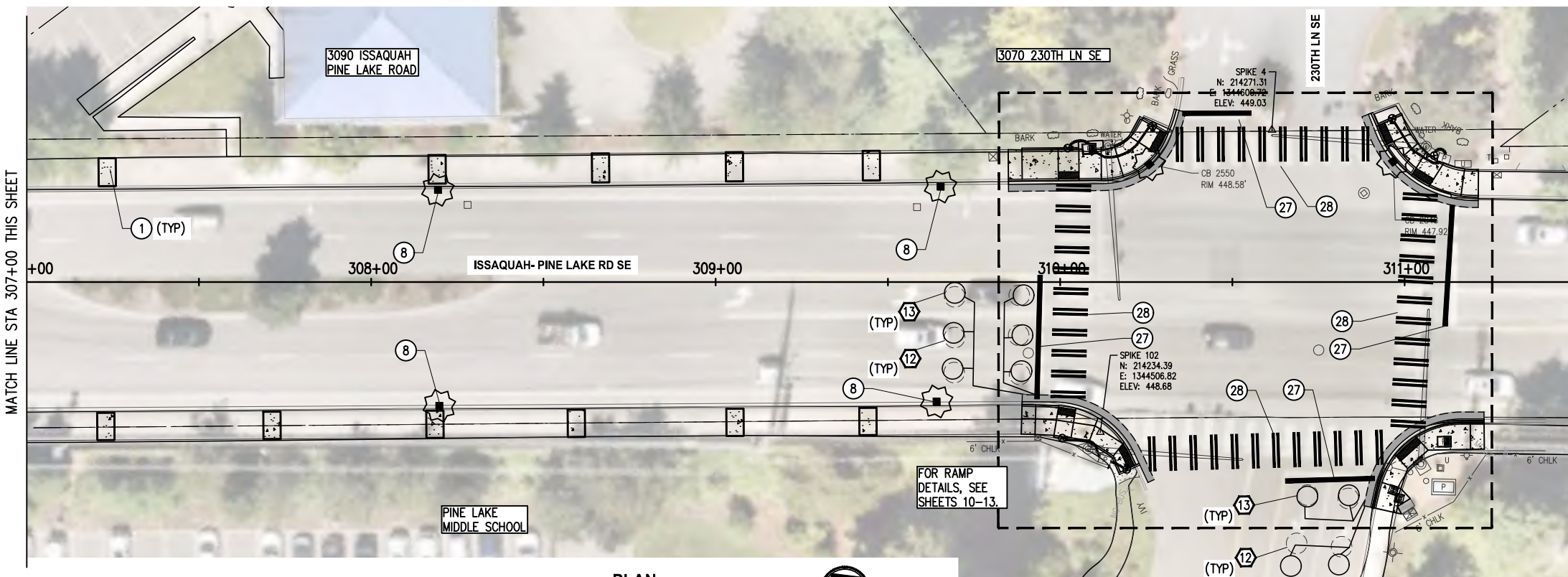
2023 ADA BARRIER REMOVAL PROJECT

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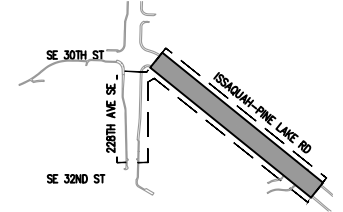
- ### GENERAL NOTES
1. THE LOCATION OF FEATURES SHOWN ON THESE PLANS IS APPROXIMATE AND NOT BASED ON TOPOGRAPHICAL SURVEY. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
 2. CONTRACTOR SHALL IDENTIFY AND MARK IN THE FIELD ALL RECONSTRUCTION LIMITS FOR CONTRACTING AGENCY APPROVAL TWO TO FIVE DAYS IN ADVANCE OF SAWCUTTING AND/OR EXCAVATION.
 3. CONTRACTOR SHALL IDENTIFY, MEASURE, RECORD AND MARK IN THE FIELD EXISTING CHANNELIZATION REMOVAL LIMITS IN ORDER TO INSTALL PROPOSED CHANNELIZATION TO MATCH EXISTING LAYOUT.
 4. ALL FEATURES SHALL BE ADA COMPLIANT UNLESS OTHERWISE ALLOWED BY THE ENGINEER.
 5. TWO WORKING DAYS PRIOR TO PEDESTRAIN SIGNAL WORK THE CONTRACTOR SHALL CONTACT MELISSA LUCAS, LEAD TRAFFIC SIGNAL TECHNICIAN, 425-295-5127, MLUCAS@SAMMAMISH.US AND SAUL WULFERT, 206-681-5972, SWULFERT@SAMMAMISH.US. SPECIFIC PEDESTRIAN SIGNAL WORK SHALL BE DONE AS DIRECTED BY OWNER OR OWNER'S REPRESENTATIVE. THIS WORK SHALL NOT PROCEED WITHOUT PRIOR APPROVAL BY CITY STAFF AND SHALL BE CONDUCTED UNDER THE SUPERVISION OF A SIGNAL TECHNICIAN.
 6. CONTRACTOR SHALL POTHOLE ALL PEDESTRIAN PUSH BUTTON FOUNDATION LOCATIONS PRIOR TO EXCAVATING AND FORMING FOUNDATIONS AND INSTALLING CONDUIT PER SPECIAL PROVISION 1-07.
 7. CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS LOCATED OUTSIDE OF PROJECT LIMITS. CONTRACTOR SHALL REPLACE DAMAGED IMPROVEMENT AT NO COST TO THE AGENCY.
 8. CONTRACTOR SHALL IDENTIFY, LOCATE, AND PROTECT ALL SIGNAL LOOPS ADJACENT TO PROJECT LIMITS. SHOULD SIGNAL LOOPS BE CUT, CONTRACTOR SHALL REPLACE CUT LOOPS PER KING COUNTY LOOP SPLICING DETAIL. FOR ADDITIONAL INFORMATION, SEE SPECIAL PROVISIONS SECTION 8-20.3(14)A.
 9. DIMENSIONS AND GRADES SHOWN ON THE PLANS ARE PROVIDED TO CONVEY INTENT OF THE PROPOSED IMPROVEMENTS. GRADES MAY BE ADJUSTED IN THE FIELD AS DIRECTED BY THE ENGINEER.
 10. ALL CATCH BASINS LOCATED WITHIN CURB AND GUTTER REMOVAL AREAS SHALL BE ADJUSTED PER 7-05. ADJUSTMENTS SHALL BE CONSIDERED INCIDENTAL TO CURB AND GUTTER REMOVAL AND REPLACEMENT.

MATCH LINE STA 307+00 THIS SHEET



- ### CONSTRUCTION NOTES
- 1 SIDWALK REPLACEMENT AREA. SEE DETAIL SHEET 3. CONTRACTOR SHALL CONFIRM LOCATIONS AND SIZES WITH ENGINEER IN FIELD.
 - 8 INSTALL CATCH BASIN INSERT PER WSDOT STD PLAN 1-40.20.
 - 27 REMOVE EXISTING STOP BAR AND INSTALL NEW THERMOPLASTIC STOP BAR PER COS STANDARD DETAIL 4-05.
 - 28 REMOVE EXISTING AND INSTALL NEW CROSSWALK STRIPING PER COS STANDARD DETAIL 4-05.

- ### LOOP CONSTRUCTION NOTES
- 12 EXISTING VEHICLE DETECTION LOOPS SHALL BE ABANDONED. LABEL LOOP WIRES AND DISCONNECT LOOP SPLICES IN JUNCTION BOX PRIOR TO ABANDONMENT. REMOVE EXISTING UNUSED TWISTED PAIR WIRING BETWEEN JUNCTION BOX AND PAVEMENT. EXISTING HOME-RUN WIRING TO CONTROLLER SHALL REMAIN. SEE SPECIAL PROVISIONS.
 - 13 FURNISH AND INSTALL NEW VEHICLE INDUCTION LOOP PER KING COUNTY SIGNAL STANDARDS. REUSE EXISTING CONDUIT STUBOUT AND INSTALL NEW LOOP WIRE INTO EXISTING JUNCTION BOX AND SPLICE INTO EXISTING HOME-RUN WIRING. LOOPS SHALL BE CENTERED IN THE LANE AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER IN FIELD PRIOR TO SAWCUTTING. SEE KING COUNTY LOOP SPLICING, LABELING AND SPACING DETAILS IN APPENDIX TO THE SPECIAL PROVISIONS.



KEY MAP

NO.	DATE	BY	APPR.	REVISIONS

Approved By	
ENGINEERING MANAGER	DATE
PROJECT MANAGER	DATE
PROJECT ENGINEER	DATE

ISSAQUAH-PINE LAKE RD SE STA 302+00 TO STA 311+50	DATE
EH	05/23
DESIGNED BY	DATE
KFL	05/23
DRAWN BY	DATE
BMC	05/23
CHECKED BY	DATE



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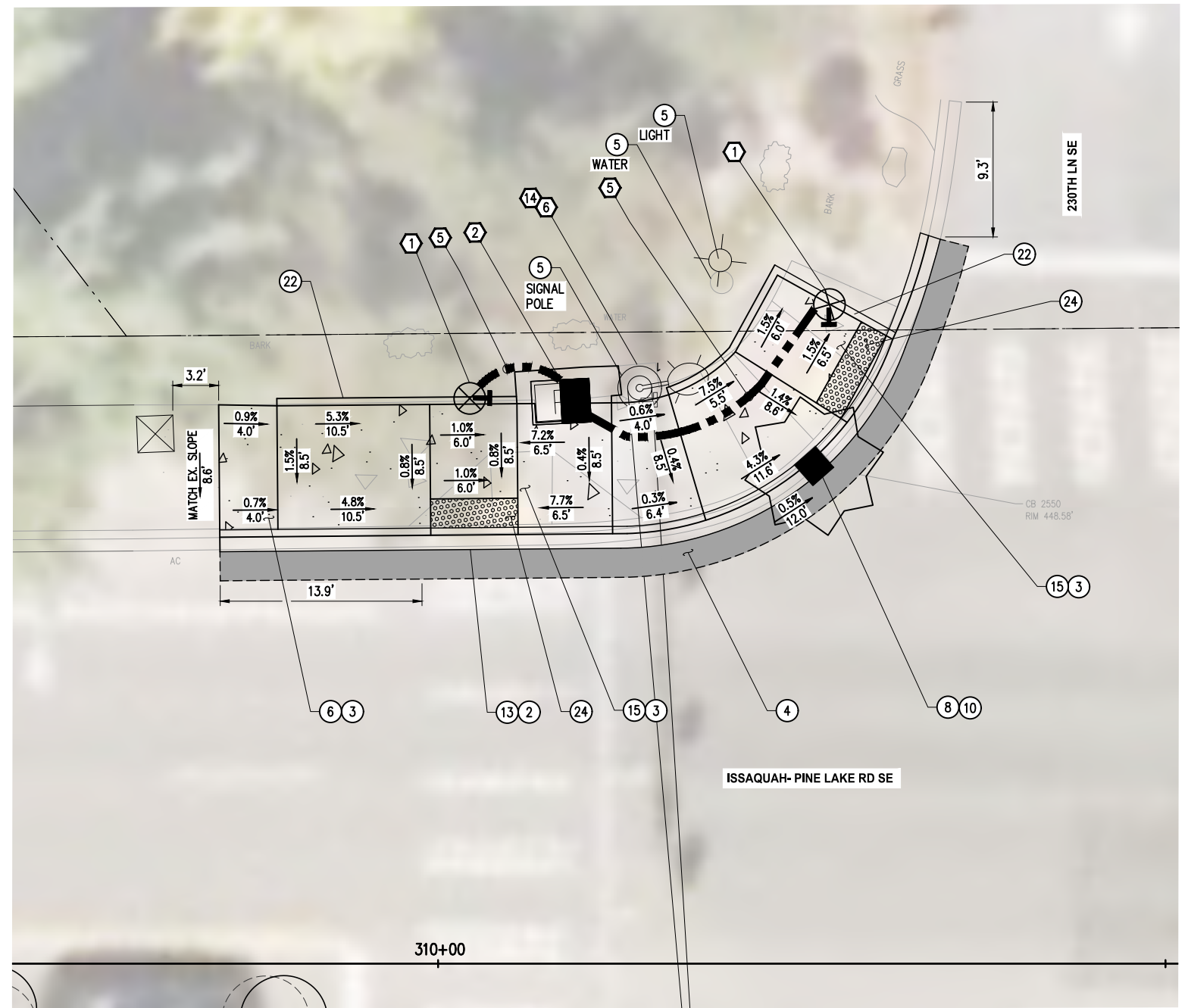
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2023 ADA BARRIER REMOVAL PROJECT

ROADWAY PLAN	
ISSAQUAH-PINE LAKE RD SE	
STA 302+00 TO STA 311+50	
KPG PROJECT No. 21043W6	SHT 9 OF 14

NW CORNER



EXISTING TRAFFIC SIGNAL SYSTEM SHALL REMAIN FULLY OPERATIONAL UNTIL DAY OF CHANGEOVER WHEN UNIFORMED POLICE OFFICER SHALL DIRECT TRAFFIC.

SIGNAL EQUIPMENT LEGEND

EXISTING	NEW	DESCRIPTION
		TYPE 3 SIGNAL POLE
		TYPE 2 SIGNAL POLE
		TYPE FB SIGNAL POLE
		TYPE PPB SIGNAL POLE
		APS STYLE PUSH BUTTON
		RRFB POLE, EQUIPMENT AND SIGNS
		JUNCTION BOX TYPE 1, 8
		CONDUIT

GENERAL NOTES

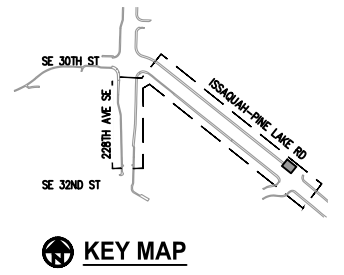
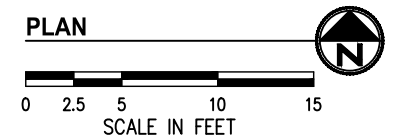
- THE LOCATION OF FEATURES SHOWN ON THESE PLANS IS APPROXIMATE AND NOT BASED ON TOPOGRAPHICAL SURVEY. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL IDENTIFY AND MARK IN THE FIELD ALL RECONSTRUCTION LIMITS FOR CONTRACTING AGENCY APPROVAL TWO TO FIVE DAYS IN ADVANCE OF SAWCUTTING AND/OR EXCAVATION.
- CONTRACTOR SHALL IDENTIFY, MEASURE, RECORD AND MARK IN THE FIELD EXISTING CHANNELIZATION REMOVAL LIMITS IN ORDER TO INSTALL PROPOSED CHANNELIZATION TO MATCH EXISTING LAYOUT.
- ALL FEATURES SHALL BE ADA COMPLIANT UNLESS OTHERWISE ALLOWED BY THE ENGINEER.
- TWO WORKING DAYS PRIOR TO PEDESTRIAN SIGNAL WORK THE CONTRACTOR SHALL CONTACT MELISSA LUCAS, LEAD TRAFFIC SIGNAL TECHNICIAN, 425-295-5127, MLUCAS@SAMMAMISH.US AND SAUL WULFERT, 206-681-5972, SWULFERT@SAMMAMISH.US. SPECIFIC PEDESTRIAN SIGNAL WORK SHALL BE DONE AS DIRECTED BY OWNER OR OWNER'S REPRESENTATIVE. THIS WORK SHALL NOT PROCEED WITHOUT PRIOR APPROVAL BY CITY STAFF AND SHALL BE CONDUCTED UNDER THE SUPERVISION OF A SIGNAL TECHNICIAN.
- CONTRACTOR SHALL POTHOLE ALL PEDESTRIAN PUSH BUTTON FOUNDATION LOCATIONS PRIOR TO EXCAVATING AND FORMING FOUNDATIONS AND INSTALLING CONDUIT PER SPECIAL PROVISION 1-07.
- CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS LOCATED OUTSIDE OF PROJECT LIMITS. CONTRACTOR SHALL REPLACE DAMAGED IMPROVEMENT AT NO COST TO THE AGENCY.
- CONTRACTOR SHALL IDENTIFY, LOCATE, AND PROTECT ALL SIGNAL LOOPS ADJACENT TO PROJECT LIMITS. SHOULD SIGNAL LOOPS BE CUT, CONTRACTOR SHALL REPLACE CUT LOOPS PER KING COUNTY LOOP SPLICING DETAIL. FOR ADDITIONAL INFORMATION, SEE SPECIAL PROVISIONS SECTION 8-20.3(14)A.
- DIMENSIONS AND GRADES SHOWN ON THE PLANS ARE PROVIDED TO CONVEY INTENT OF THE PROPOSED IMPROVEMENTS. GRADES MAY BE ADJUSTED IN THE FIELD AS DIRECTED BY THE ENGINEER.
- ALL CATCH BASINS LOCATED WITHIN CURB AND GUTTER REMOVAL AREAS SHALL BE ADJUSTED PER 7-05. ADJUSTMENTS SHALL BE CONSIDERED INCIDENTAL TO CURB AND GUTTER REMOVAL AND REPLACEMENT.

SIGNAL CONSTRUCTION NOTES

- CONSTRUCT CURB BASE PPB FOUNDATION PER WSDOT STD PLAN J-20.11 AND FURNISH AND INSTALL ALUMINUM PEDESTAL BASE (TO BE FURNISHED BY THE CITY) PER DETAIL, SHEET 3 AND INSTALL NEW TYPE PPB SIGNAL POLE (TO BE FURNISHED BY THE CITY) AND APS PEDESTRIAN PUSH BUTTON ASSEMBLY (TO BE FURNISHED BY THE CITY) PER SPECIAL PROVISIONS.
- REMOVE EXISTING JUNCTION BOX AND INSTALL NEW JUNCTION BOX WITH SKID RESISTANT LID PER COS STANDARDS AND WSDOT STD PLAN J-40.30 AND SPECIAL PROVISIONS. ADJUST JUNCTION BOX TO MATCH PROPOSED GRADE. ADJUST CONDUIT STUBS FOR PROPER CLEARANCES IN JUNCTION BOX. PROTECT EXISTING WIRING DURING CONSTRUCTION.
- INSTALL NEW 1" CONDUIT TO JUNCTION BOX. INSTALL NEW 2CS WIRING FROM SIGNAL CONTROLLER CABINET TO PPB POLE.
- REMOVE EXISTING PEDESTRIAN PUSH BUTTONS. REMOVE EXISTING PPB WIRING TO THE CONTROLLER. COVER EXISTING POLE HOLES PER DETAIL, SHEET 3 AND SPECIAL PROVISIONS.
- INSTALL ONE SIGNAL POWER INTERFACE UNIT (TO BE FURNISHED BY THE CITY) IN EACH PEDESTRIAN SIGNAL HEAD. COMPLETE WIRING PER MANUFACTURER'S SPECIFICATIONS. INSTALL NEW 1-4C CONDUCTOR FROM SIGNAL POWER INTERFACE TO THE CORRESPONDING APS STYLE PUSH BUTTON ASSEMBLY.

CONSTRUCTION NOTES

- SAWCUT AND REMOVE EXISTING CEMENT CONC. CURB AND GUTTER.
- SAWCUT AND REMOVE CEMENT CONC. SIDEWALK.
- SAWCUT, REMOVE, AND REPLACE EXISTING ASPHALT PAVEMENT, MATCH EXISTING DEPTH.
- PROTECT EXISTING FEATURE.
- REMOVE SIDEWALK AND CONSTRUCT 4' LONG TRANSITION PANEL. MATCH EXISTING SIDEWALK WIDTH. SEE DETAIL, SHEET 3.
- INSTALL CATCH BASIN INSERT PER WSDOT STD PLAN I-40.20.
- ADJUST CATCH BASIN.
- INSTALL CEMENT CONC. CURB AND GUTTER PER COS STANDARD DETAIL 3-8A.
- INSTALL CEMENT CONC. PARALLEL CURB RAMP PER COS STANDARD DETAIL 2-07 AND PLAN.
- INSTALL CEMENT CONC. PED CURB PER COS STANDARD DETAIL 3-11.
- INSTALL DETECTABLE WARNING SURFACE PER WSDOT STANDARD DETAIL F-45.10.



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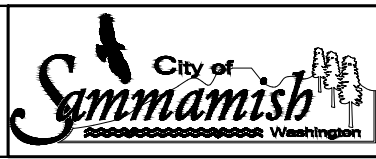
NO.	DATE	BY	APPR.	REVISIONS

Approved By	
ENGINEERING MANAGER	DATE
PROJECT MANAGER	DATE
PROJECT ENGINEER	DATE

ISSAQUAH-PINE LAKE RD SE & 230TH LN SE
 FILENAME
 EH 05/23
 DESIGNED BY DATE
 KFL 05/23
 DRAWN BY DATE
 BMC 05/23
 CHECKED BY DATE

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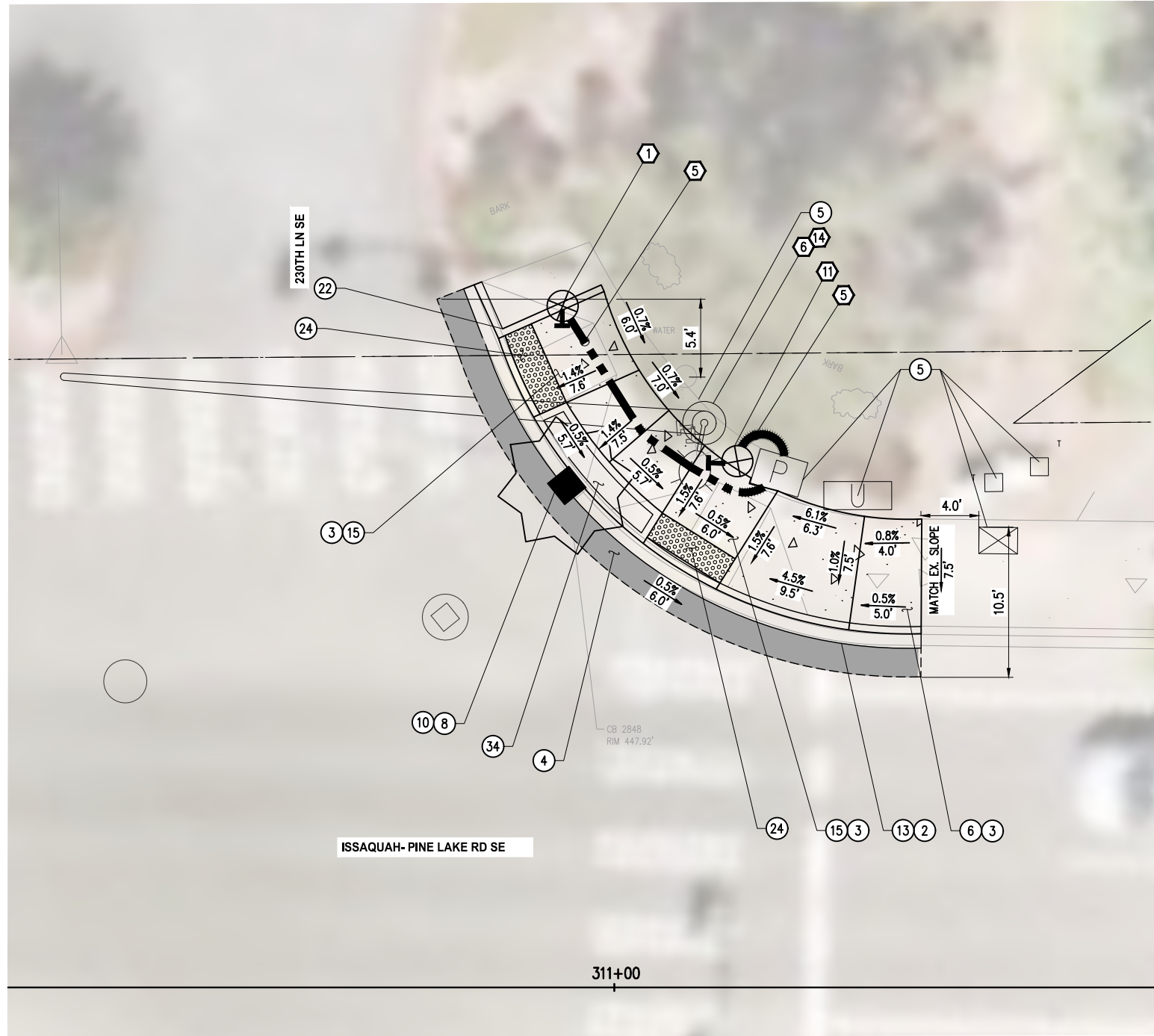
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2023 ADA BARRIER REMOVAL PROJECT

ROADWAY PLAN	
ISSAQUAH-PINE LAKE RD SE & 230TH LN SE (NW CORNER)	
KPG PROJECT No. 21043W6	SHT 10 OF 14

NE CORNER



EXISTING TRAFFIC SIGNAL SYSTEM SHALL REMAIN FULLY OPERATIONAL UNTIL DAY OF CHANGEOVER WHEN UNIFORMED POLICE OFFICER SHALL DIRECT TRAFFIC.

GENERAL NOTES

1. THE LOCATION OF FEATURES SHOWN ON THESE PLANS IS APPROXIMATE AND NOT BASED ON TOPOGRAPHICAL SURVEY. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
2. CONTRACTOR SHALL IDENTIFY AND MARK IN THE FIELD ALL RECONSTRUCTION LIMITS FOR CONTRACTING AGENCY APPROVAL TWO TO FIVE DAYS IN ADVANCE OF SAWCUTTING AND/OR EXCAVATION.
3. CONTRACTOR SHALL IDENTIFY, MEASURE, RECORD AND MARK IN THE FIELD EXISTING CHANNELIZATION REMOVAL LIMITS IN ORDER TO INSTALL PROPOSED CHANNELIZATION TO MATCH EXISTING LAYOUT.
4. ALL FEATURES SHALL BE ADA COMPLIANT UNLESS OTHERWISE ALLOWED BY THE ENGINEER.
5. TWO WORKING DAYS PRIOR TO PEDESTRIAN SIGNAL WORK THE CONTRACTOR SHALL CONTACT MELISSA LUCAS, LEAD TRAFFIC SIGNAL TECHNICIAN, 425-295-5127, MLUCAS@SAMMAMISH.US AND SAUL WULFERT, 206-681-5972, SWULFERT@SAMMAMISH.US. SPECIFIC PEDESTRIAN SIGNAL WORK SHALL BE DONE AS DIRECTED BY OWNER OR OWNER'S REPRESENTATIVE. THIS WORK SHALL NOT PROCEED WITHOUT PRIOR APPROVAL BY CITY STAFF AND SHALL BE CONDUCTED UNDER THE SUPERVISION OF A SIGNAL TECHNICIAN.
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9. DIMENSIONS AND GRADES SHOWN ON THE PLANS ARE PROVIDED TO CONVEY INTENT OF THE PROPOSED IMPROVEMENTS. GRADES MAY BE ADJUSTED IN THE FIELD AS DIRECTED BY THE ENGINEER.
10. ALL CATCH BASINS LOCATED WITHIN CURB AND GUTTER REMOVAL AREAS SHALL BE ADJUSTED PER 7-05. ADJUSTMENTS SHALL BE CONSIDERED INCIDENTAL TO CURB AND GUTTER REMOVAL AND REPLACEMENT.

SIGNAL EQUIPMENT LEGEND

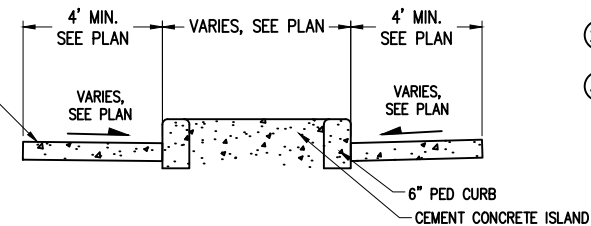
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		TYPE 2 SIGNAL POLE
		TYPE FB SIGNAL POLE
		TYPE PPB SIGNAL POLE
		APS STYLE PUSH BUTTON
		RRFB POLE, EQUIPMENT AND SIGNS
		JUNCTION BOX TYPE 1, 8
		CONDUIT

SIGNAL CONSTRUCTION NOTES

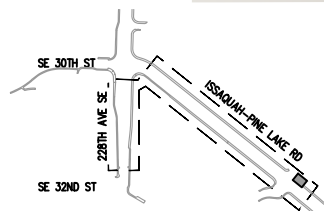
1. CONSTRUCT CURB BASE PPB FOUNDATION PER WSDOT STD PLAN J-20.11 AND FURNISH AND INSTALL ALUMINUM PEDESTAL BASE (TO BE FURNISHED BY THE CITY) PER DETAIL, SHEET 3 AND INSTALL NEW TYPE PPB SIGNAL POLE (TO BE FURNISHED BY THE CITY) AND APS PEDESTRIAN PUSH BUTTON ASSEMBLY (TO BE FURNISHED BY THE CITY) PER SPECIAL PROVISIONS.
2. REMOVE EXISTING PEDESTRIAN PUSH BUTTONS. REMOVE EXISTING PPB WIRING TO THE CONTROLLER. COVER EXISTING POLE HOLES PER DETAIL, SHEET 3 AND SPECIAL PROVISIONS.
3. CONSTRUCT PPB FOUNDATION PER WSDOT STD PLAN J-20.10 AND FURNISH AND INSTALL ALUMINUM PEDESTAL BASE (TO BE FURNISHED BY THE CITY) PER DETAIL, SHEET 3 AND INSTALL NEW TYPE PPB SIGNAL POLE (TO BE FURNISHED BY THE CITY) AND APS PEDESTRIAN PUSH BUTTON ASSEMBLY (TO BE FURNISHED BY THE CITY) PER SPECIAL PROVISIONS.
4. INSTALL ONE SIGNAL POWER INTERFACE UNIT (TO BE FURNISHED BY THE CITY) IN EACH PEDESTRIAN SIGNAL HEAD. COMPLETE WIRING PER MANUFACTURER'S SPECIFICATIONS. INSTALL NEW 1-4C CONDUCTOR FROM SIGNAL POWER INTERFACE TO THE CORRESPONDING APS STYLE PUSH BUTTON ASSEMBLY.

CONSTRUCTION NOTES

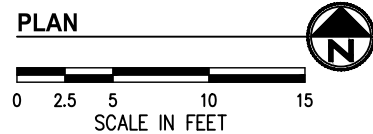
1. SAWCUT AND REMOVE EXISTING CEMENT CONC. CURB AND GUTTER.
2. SAWCUT AND REMOVE CEMENT CONC. SIDEWALK.
3. SAWCUT, REMOVE, AND REPLACE EXISTING ASPHALT PAVEMENT, MATCH EXISTING DEPTH.
4. PROTECT EXISTING FEATURE.
5. REMOVE SIDEWALK AND CONSTRUCT 4' LONG TRANSITION PANEL. MATCH EXISTING SIDEWALK WIDTH. SEE DETAIL, SHEET 3.
6. INSTALL CATCH BASIN INSERT PER WSDOT STD PLAN I-40.20.
7. ADJUST CATCH BASIN.
8. INSTALL CEMENT CONC. CURB AND GUTTER PER COS STANDARD DETAIL 3-8A.
9. INSTALL CEMENT CONC. PARALLEL CURB RAMP PER COS STANDARD DETAIL 2-07 AND PLAN.
10. INSTALL CEMENT CONC. PED CURB PER COS STANDARD DETAIL 3-11.
11. INSTALL DETECTABLE WARNING SURFACE PER WSDOT STANDARD DETAIL F-45.10.
12. CONSTRUCT CEMENT CONCRETE ISLAND PER DETAIL, THIS SHEET.



CONCRETE ISLAND SECTION DETAIL
NTS



KEY MAP



NO.	DATE	BY	APPR.	REVISIONS

Approved By

ENGINEERING MANAGER	DATE
PROJECT MANAGER	DATE
PROJECT ENGINEER	DATE

ISSAQUAH-PINE LAKE RD SE & 230TH LN SE	
FILENAME	
EH	05/23
DESIGNED BY	DATE
KFL	05/23
DRAWN BY	DATE
BMC	05/23
CHECKED BY	DATE



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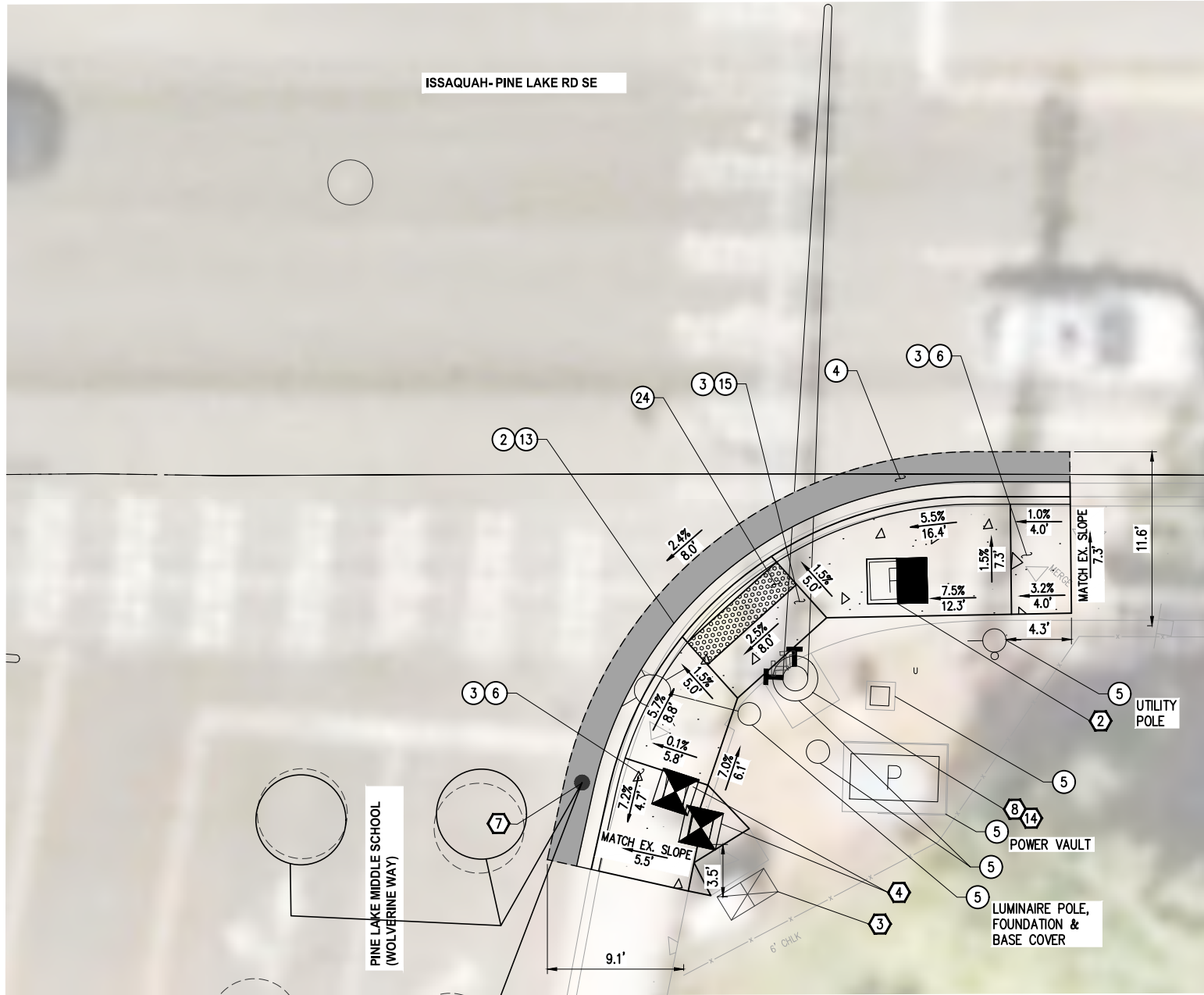


2023 ADA BARRIER REMOVAL PROJECT

ROADWAY PLAN
ISSAQUAH-PINE LAKE RD SE & 230TH LN SE
(NE CORNER)

k:\PROJECTS\SAMMAMISH\21043 - 2021-2022 Civil Eng On-Call\21043W6 - 2023 Barrier removals\CADD\SheetFiles\ISSAQUAH-PINE LAKE RD SE & 230TH LN SE (SW CORNER).dwg 5/11/2023 2:14 PM

SE CORNER



EXISTING TRAFFIC SIGNAL SYSTEM SHALL REMAIN FULLY OPERATIONAL UNTIL DAY OF CHANGEOVER WHEN UNIFORMED POLICE OFFICER SHALL DIRECT TRAFFIC.

SIGNAL EQUIPMENT LEGEND

EXISTING	NEW	DESCRIPTION
		TYPE 3 SIGNAL POLE
		TYPE 2 SIGNAL POLE
		TYPE FB SIGNAL POLE
		TYPE PPB SIGNAL POLE
		APS STYLE PUSH BUTTON
		RRFB POLE, EQUIPMENT AND SIGNS
		JUNCTION BOX TYPE 1, 8
		CONDUIT

GENERAL NOTES

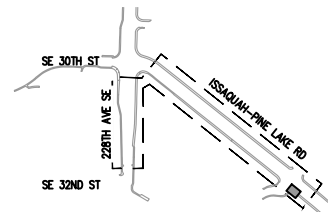
1. THE LOCATION OF FEATURES SHOWN ON THESE PLANS IS APPROXIMATE AND NOT BASED ON TOPOGRAPHICAL SURVEY. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
2. CONTRACTOR SHALL IDENTIFY AND MARK IN THE FIELD ALL RECONSTRUCTION LIMITS FOR CONTRACTING AGENCY APPROVAL TWO TO FIVE DAYS IN ADVANCE OF SAWCUTTING AND/OR EXCAVATION.
3. CONTRACTOR SHALL IDENTIFY, MEASURE, RECORD AND MARK IN THE FIELD EXISTING CHANNELIZATION REMOVAL LIMITS IN ORDER TO INSTALL PROPOSED CHANNELIZATION TO MATCH EXISTING LAYOUT.
4. ALL FEATURES SHALL BE ADA COMPLIANT UNLESS OTHERWISE ALLOWED BY THE ENGINEER.
5. TWO WORKING DAYS PRIOR TO PEDESTRIAN SIGNAL WORK THE CONTRACTOR SHALL CONTACT MELISSA LUCAS, LEAD TRAFFIC SIGNAL TECHNICIAN, 425-295-5127, MLUCAS@SAMMAMISH.US AND SAUL WULFERT, 206-681-5972, SWULFERT@SAMMAMISH.US. SPECIFIC PEDESTRIAN SIGNAL WORK SHALL BE DONE AS DIRECTED BY OWNER OR OWNER'S REPRESENTATIVE. THIS WORK SHALL NOT PROCEED WITHOUT PRIOR APPROVAL BY CITY STAFF AND SHALL BE CONDUCTED UNDER THE SUPERVISION OF A SIGNAL TECHNICIAN.
6. CONTRACTOR SHALL POTHOLE ALL PEDESTRIAN PUSH BUTTON FOUNDATION LOCATIONS PRIOR TO EXCAVATING AND FORMING FOUNDATIONS AND INSTALLING CONDUIT PER SPECIAL PROVISION 1-07.
7. CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS LOCATED OUTSIDE OF PROJECT LIMITS. CONTRACTOR SHALL REPLACE DAMAGED IMPROVEMENT AT NO COST TO THE AGENCY.
8. CONTRACTOR SHALL IDENTIFY, LOCATE, AND PROTECT ALL SIGNAL LOOPS ADJACENT TO PROJECT LIMITS. SHOULD SIGNAL LOOPS BE CUT, CONTRACTOR SHALL REPLACE CUT LOOPS PER KING COUNTY LOOP SPLICING DETAIL. FOR ADDITIONAL INFORMATION, SEE SPECIAL PROVISIONS SECTION 8-20.3(14)A.
9. DIMENSIONS AND GRADES SHOWN ON THE PLANS ARE PROVIDED TO CONVEY INTENT OF THE PROPOSED IMPROVEMENTS. GRADES MAY BE ADJUSTED IN THE FIELD AS DIRECTED BY THE ENGINEER.
10. ALL CATCH BASINS LOCATED WITHIN CURB AND GUTTER REMOVAL AREAS SHALL BE ADJUSTED PER 7-05. ADJUSTMENTS SHALL BE CONSIDERED INCIDENTAL TO CURB AND GUTTER REMOVAL AND REPLACEMENT.

SIGNAL CONSTRUCTION NOTES

- 2 REMOVE EXISTING JUNCTION BOX AND INSTALL NEW JUNCTION BOX WITH SKID RESISTANT LID PER COS STANDARDS AND WSDOT STD PLAN J-40.30 AND SPECIAL PROVISIONS. ADJUST JUNCTION BOX TO MATCH PROPOSED GRADE. ADJUST CONDUIT STUBS FOR PROPER CLEARANCES IN JUNCTION BOX. PROTECT EXISTING WIRING DURING CONSTRUCTION.
- 3 LOCATION OF EXISTING SIGNAL CONTROLLER CABINET. ONLY JOURNEY LEVEL WORK IN THE CABINET IS ALLOWED IN THE PRESENCE OF THE CITY OF SAMMAMISH TRAFFIC MAINTENANCE DEPARTMENT REPRESENTATIVE.
- 4 REMOVE EXISTING JUNCTION BOX AND INSTALL NEW JUNCTION BOX WITH SKID RESISTANT LID PER COS STANDARDS AND WSDOT STD PLAN J-40.10 AND SPECIAL PROVISIONS. ADJUST JUNCTION BOX TO MATCH PROPOSED GRADE. ADJUST CONDUIT STUBS FOR PROPER CLEARANCES IN JUNCTION BOX. PROTECT EXISTING WIRING DURING CONSTRUCTION.
- 7 APPROXIMATE LOCATION OF EXISTING CONDUIT STUBOUT. FIELD LOCATE PRIOR TO SAWCUTTING. PRESERVE AND PROTECT CONDUIT DURING CONSTRUCTION.
- 8 REMOVE EXISTING PUSH BUTTONS. INSTALL TWO NEW APS STYLE PUSH BUTTON ASSEMBLIES (TO BE FURNISHED BY THE CITY) AND TWO MEDIUM TELESCOPING EXTENSION BRACKETS (TO BE FURNISHED BY THE CITY) ON EXISTING SIGNAL POLE. REUSE EXISTING PPB WIRING. COVER EXISTING POLE HOLES PER DETAIL, SHEET 3 AND SPECIAL PROVISIONS.
- 14 INSTALL ONE SIGNAL POWER INTERFACE UNIT (TO BE FURNISHED BY THE CITY) IN EACH PEDESTRIAN SIGNAL HEAD. COMPLETE WIRING PER MANUFACTURER'S SPECIFICATIONS. INSTALL NEW 1-4C CONDUCTOR FROM SIGNAL POWER INTERFACE TO THE CORRESPONDING APS STYLE PUSH BUTTON ASSEMBLY.

CONSTRUCTION NOTES

- 2 SAWCUT AND REMOVE EXISTING CEMENT CONC. CURB AND GUTTER.
- 3 SAWCUT AND REMOVE CEMENT CONC. SIDEWALK.
- 4 SAWCUT, REMOVE, AND REPLACE EXISTING ASPHALT PAVEMENT, MATCH EXISTING DEPTH.
- 5 PROTECT EXISTING FEATURE.
- 6 REMOVE SIDEWALK AND CONSTRUCT 4' LONG TRANSITION PANEL. MATCH EXISTING SIDEWALK WIDTH. SEE DETAIL, SHEET 3.
- 13 INSTALL CEMENT CONC. CURB AND GUTTER PER COS STANDARD DETAIL 3-8A.
- 15 INSTALL CEMENT CONC. PARALLEL CURB RAMP PER COS STANDARD DETAIL 2-07 AND PLAN.
- 24 INSTALL DETECTABLE WARNING SURFACE PER WSDOT STANDARD DETAIL F-45.10.



KEY MAP

NO.	DATE	BY	APPR.	REVISIONS

Approved By

ENGINEERING MANAGER	DATE
PROJECT MANAGER	DATE
PROJECT ENGINEER	DATE

ISSAQUAH-PINE LAKE RD SE & 230TH LN SE

FILENAME	EH	05/23
DESIGNED BY	DATE	
KFL	05/23	
DRAWN BY	DATE	
BMC	05/23	
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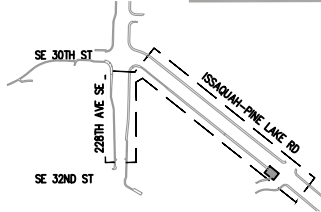
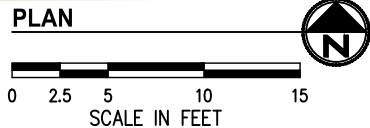
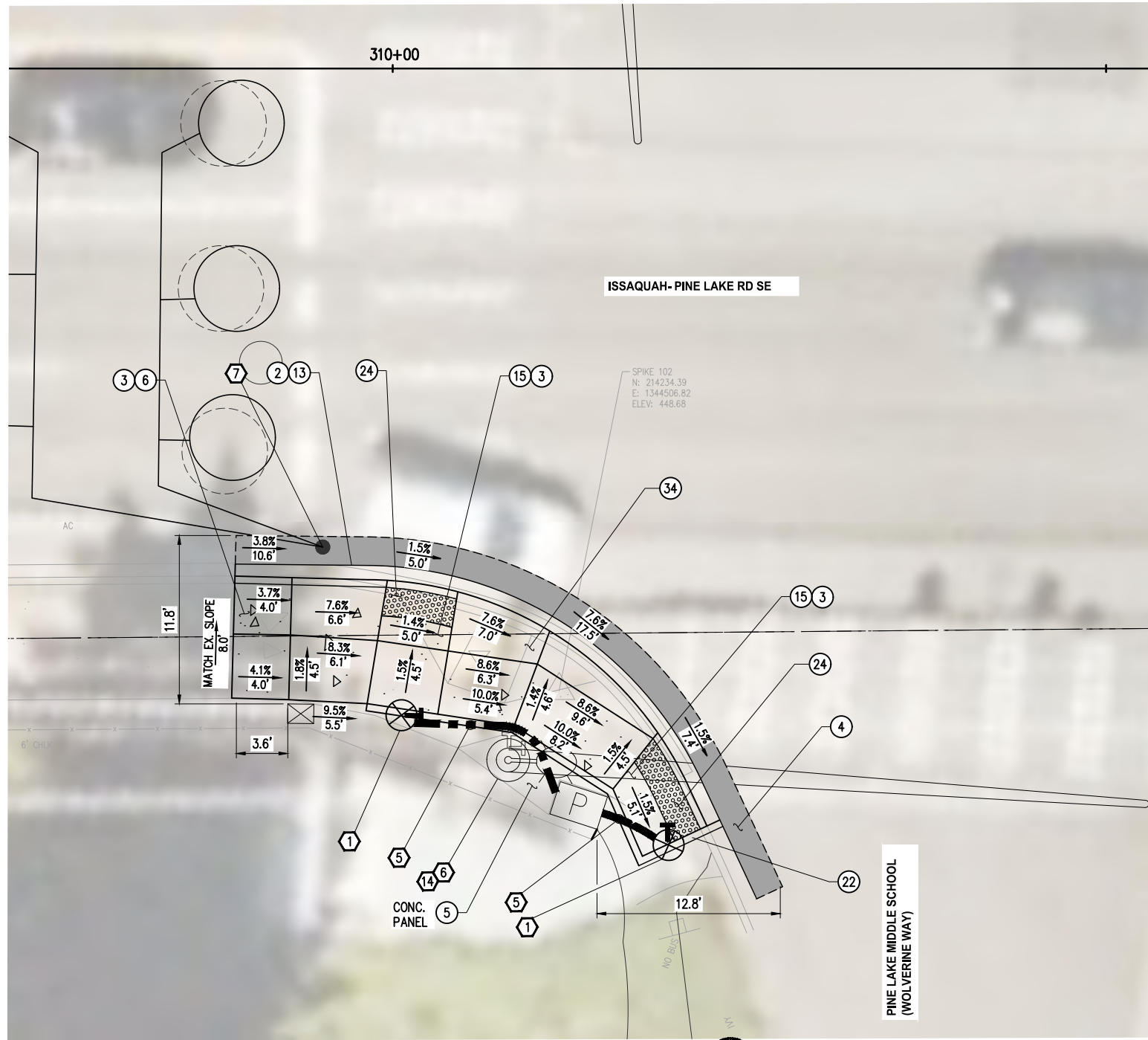
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2023 ADA BARRIER REMOVAL PROJECT

ROADWAY PLAN
 ISSAQUAH-PINE LAKE RD SE & 230TH LN SE
 (SE CORNER)
 KPG PROJECT No. 21043W6 SHT 12 OF 14

SW CORNER



EXISTING TRAFFIC SIGNAL SYSTEM SHALL REMAIN FULLY OPERATIONAL UNTIL DAY OF CHANGEOVER WHEN UNIFORMED POLICE OFFICER SHALL DIRECT TRAFFIC.

SIGNAL EQUIPMENT LEGEND

EXISTING	NEW	DESCRIPTION
		TYPE 3 SIGNAL POLE
		TYPE 2 SIGNAL POLE
		TYPE FB SIGNAL POLE
		TYPE PPB SIGNAL POLE
		APS STYLE PUSH BUTTON
		RRFB POLE, EQUIPMENT AND SIGNS
		JUNCTION BOX TYPE 1, 8
		CONDUIT

SIGNAL CONSTRUCTION NOTES

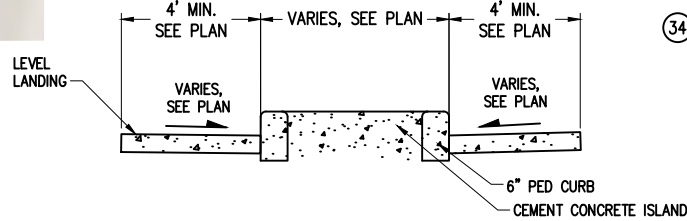
- CONSTRUCT CURB BASE PPB FOUNDATION PER WSDOT STD PLAN J-20.11 AND FURNISH AND INSTALL ALUMINUM PEDESTAL BASE (TO BE FURNISHED BY THE CITY) PER DETAIL, SHEET 3 AND INSTALL NEW TYPE PPB SIGNAL POLE (TO BE FURNISHED BY THE CITY) AND APS PEDESTRIAN PUSH BUTTON ASSEMBLY (TO BE FURNISHED BY THE CITY) PER SPECIAL PROVISIONS.
- INSTALL NEW 1" CONDUIT TO JUNCTION BOX. INSTALL NEW 2CS WIRING FROM SIGNAL CONTROLLER CABINET TO PPB POLE.
- REMOVE EXISTING PEDESTRIAN PUSH BUTTONS. REMOVE EXISTING PPB WIRING TO THE CONTROLLER. COVER EXISTING POLE HOLES PER DETAIL, SHEET 3 AND SPECIAL PROVISIONS.
- APPROXIMATE LOCATION OF EXISTING CONDUIT STUBOUT. FIELD LOCATE PRIOR TO SAWCUTTING. PRESERVE AND PROTECT CONDUIT DURING CONSTRUCTION.
- INSTALL ONE SIGNAL POWER INTERFACE UNIT (TO BE FURNISHED BY THE CITY) IN EACH PEDESTRIAN SIGNAL HEAD. COMPLETE WIRING PER MANUFACTURER'S SPECIFICATIONS. INSTALL NEW 1-4C CONDUCTOR FROM SIGNAL POWER INTERFACE TO THE CORRESPONDING APS STYLE PUSH BUTTON ASSEMBLY.

GENERAL NOTES

- THE LOCATION OF FEATURES SHOWN ON THESE PLANS IS APPROXIMATE AND NOT BASED ON TOPOGRAPHICAL SURVEY. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL IDENTIFY AND MARK IN THE FIELD ALL RECONSTRUCTION LIMITS FOR CONTRACTING AGENCY APPROVAL TWO TO FIVE DAYS IN ADVANCE OF SAWCUTTING AND/OR EXCAVATION.
- CONTRACTOR SHALL IDENTIFY, MEASURE, RECORD AND MARK IN THE FIELD EXISTING CHANNELIZATION REMOVAL LIMITS IN ORDER TO INSTALL PROPOSED CHANNELIZATION TO MATCH EXISTING LAYOUT.
- ALL FEATURES SHALL BE ADA COMPLIANT UNLESS OTHERWISE ALLOWED BY THE ENGINEER.
- TWO WORKING DAYS PRIOR TO PEDESTRIAN SIGNAL WORK THE CONTRACTOR SHALL CONTACT MELISSA LUCAS, LEAD TRAFFIC SIGNAL TECHNICIAN, 425-295-5127, MLUCAS@SAMMAMISH.US AND SAUL WULFERT, 206-681-5972, SWULFERT@SAMMAMISH.US. SPECIFIC PEDESTRIAN SIGNAL WORK SHALL BE DONE AS DIRECTED BY OWNER OR OWNER'S REPRESENTATIVE. THIS WORK SHALL NOT PROCEED WITHOUT PRIOR APPROVAL BY CITY STAFF AND SHALL BE CONDUCTED UNDER THE SUPERVISION OF A SIGNAL TECHNICIAN.
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- DIMENSIONS AND GRADES SHOWN ON THE PLANS ARE PROVIDED TO CONVEY INTENT OF THE PROPOSED IMPROVEMENTS. GRADES MAY BE ADJUSTED IN THE FIELD AS DIRECTED BY THE ENGINEER.
- ALL CATCH BASINS LOCATED WITHIN CURB AND GUTTER REMOVAL AREAS SHALL BE ADJUSTED PER 7-05. ADJUSTMENTS SHALL BE CONSIDERED INCIDENTAL TO CURB AND GUTTER REMOVAL AND REPLACEMENT.

CONSTRUCTION NOTES

- SAWCUT AND REMOVE EXISTING CEMENT CONC. CURB AND GUTTER.
- SAWCUT AND REMOVE CEMENT CONC. SIDEWALK.
- SAWCUT, REMOVE, AND REPLACE EXISTING ASPHALT PAVEMENT, MATCH EXISTING DEPTH.
- PROTECT EXISTING FEATURE.
- REMOVE SIDEWALK AND CONSTRUCT 4' LONG TRANSITION PANEL. MATCH EXISTING SIDEWALK WIDTH. SEE DETAIL, SHEET 3.
- INSTALL CEMENT CONC. CURB AND GUTTER PER COS STANDARD DETAIL 3-8A.
- INSTALL CEMENT CONC. PARALLEL CURB RAMP PER COS STANDARD DETAIL 2-07 AND PLAN.
- INSTALL CEMENT CONC. PED CURB PER COS STANDARD DETAIL 3-11.
- INSTALL DETECTABLE WARNING SURFACE PER WSDOT STANDARD DETAIL F-45.10.
- CONSTRUCT CEMENT CONCRETE ISLAND PER DETAIL, THIS SHEET.



CONCRETE ISLAND SECTION DETAIL
NTS

NO.	DATE	BY	APPR.	REVISIONS

Approved By

ENGINEERING MANAGER	DATE
PROJECT MANAGER	DATE
PROJECT ENGINEER	DATE

ISSAQUAH-PINE LAKE RD SE & 230TH LN SE (SW CORNER)
 FILENAME
 EH 05/23
 DESIGNED BY DATE
 KFL 05/23
 DRAWN BY DATE
 BMC 05/23
 CHECKED BY DATE



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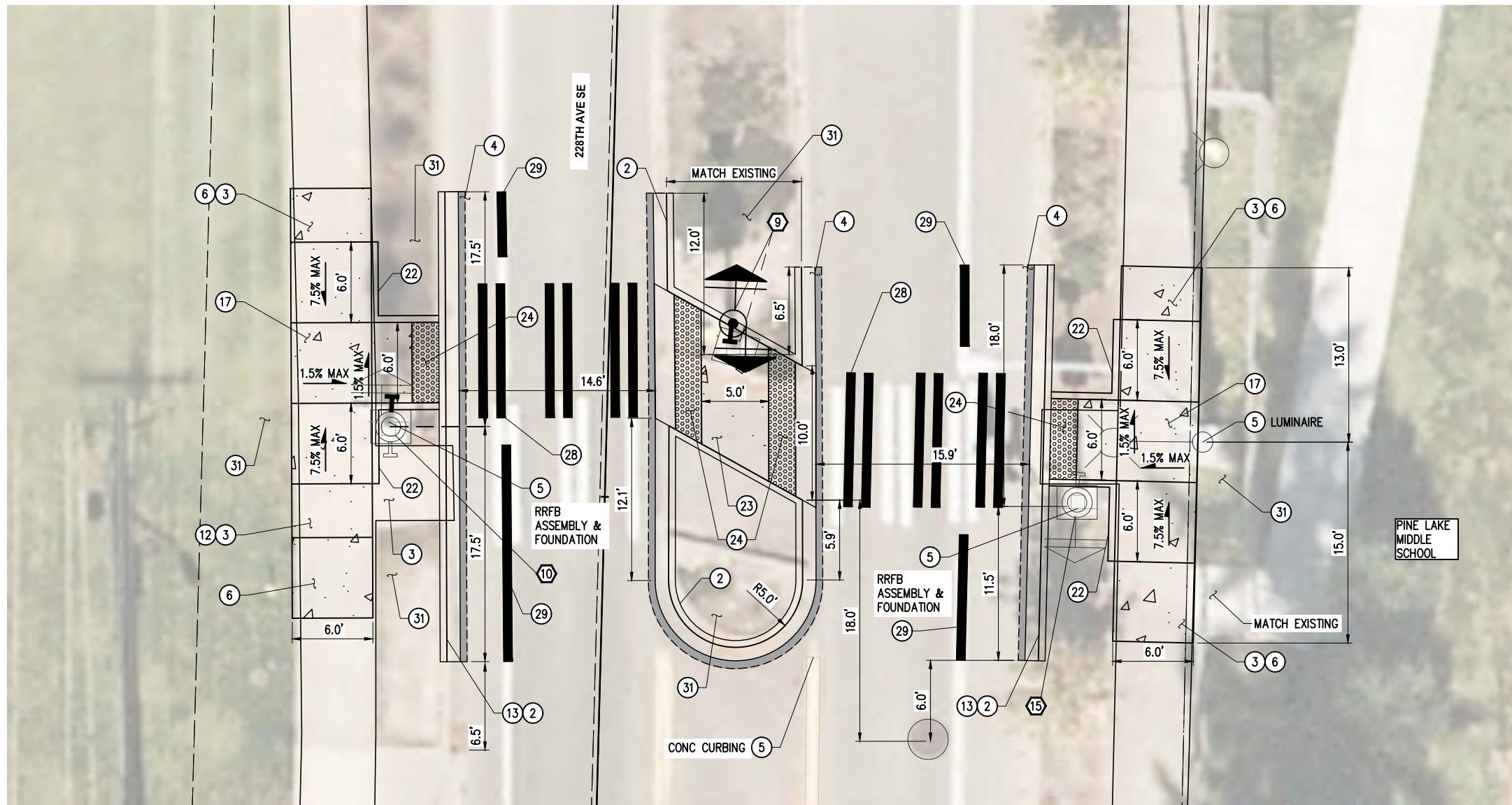


2023 ADA BARRIER REMOVAL PROJECT

ROADWAY PLAN
 ISSAQUAH-PINE LAKE RD SE & 230TH LN SE (SW CORNER)

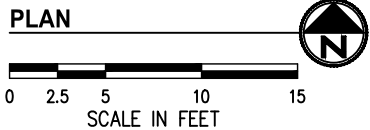
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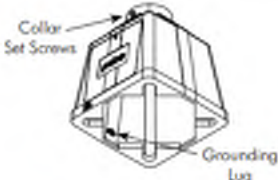
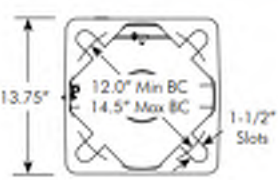
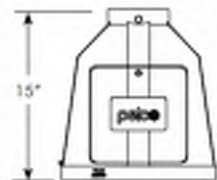


SIGNAL EQUIPMENT LEGEND

EXISTING	NEW	DESCRIPTION
		TYPE 3 SIGNAL POLE
		TYPE 2 SIGNAL POLE
		TYPE FB SIGNAL POLE
		TYPE PPB SIGNAL POLE
		APS STYLE PUSH BUTTON
		RRFB POLE, EQUIPMENT AND SIGNS
		JUNCTION BOX TYPE 1, 8
		CONDUIT



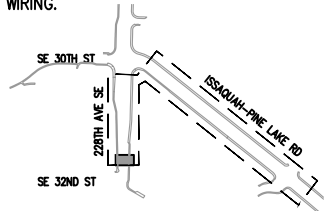
GENERAL IMPROVEMENTS
 RECONSTRUCT WESTERN CURB RAMP 9' TO NORTH
 RECONSTRUCT CENTER REFUGE ISLAND WITH ANGLES DTWS AND RELOCATE RRFB
 RECONSTRUCT EASTERN CURB RAMP IN EXISTING LOCATION AND ADD DTWS



RRFB POLE BASE DETAIL
NTS

RRFB CONSTRUCTION NOTES

- 9 CONSTRUCT CURB BASE FOUNDATION PER WSDOT STD PLAN J-20.11 (EXCEPT BOLT CIRCLE SHALL MATCH RRFB POLE BASE PATTERN) AND RELOCATE SOLAR POWERED RRFB SYSTEM AND POLE AND ALL ASSOCIATED EQUIPMENT TO NEW FOUNDATION.
- 10 REMOVE EXISTING PEDESTRIAN PUSH BUTTON ASSEMBLY AND RELOCATE TO NORTH SIDE OF SOLAR POWERED RRFB POLE WITH NEW MEDIUM TELESCOPING EXTENSION BRACKET (TO BE FURNISHED BY THE CITY). ARROW ON PUSH BUTTON SHALL POINT TOWARDS THE CROSSWALK. COVER EXISTING POLE HOLES PER DETAIL, SHEET 3 AND SPECIAL PROVISIONS. REUSE EXISTING PPB WIRING.
- 15 REMOVE EXISTING PEDESTRIAN PUSH BUTTON ASSEMBLY FROM SOLAR POWERED RRFB POLE AND REINSTALL WITH NEW MEDIUM TELESCOPING EXTENSION BRACKET (TO BE FURNISHED BY THE CITY). REUSE EXISTING PPB WIRING.



KEY MAP

GENERAL NOTES

1. THE LOCATION OF FEATURES SHOWN ON THESE PLANS IS APPROXIMATE AND NOT BASED ON TOPOGRAPHICAL SURVEY. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
2. CONTRACTOR SHALL IDENTIFY AND MARK IN THE FIELD ALL RECONSTRUCTION LIMITS FOR CONTRACTING AGENCY APPROVAL TWO TO FIVE DAYS IN ADVANCE OF SAWCUTTING AND/OR EXCAVATION.
3. CONTRACTOR SHALL IDENTIFY, MEASURE, RECORD AND MARK IN THE FIELD EXISTING CHANNELIZATION REMOVAL LIMITS IN ORDER TO INSTALL PROPOSED CHANNELIZATION TO MATCH EXISTING LAYOUT.
4. ALL FEATURES SHALL BE ADA COMPLIANT UNLESS OTHERWISE ALLOWED BY THE ENGINEER.
5. TWO WORKING DAYS PRIOR TO PEDESTRIAN SIGNAL WORK THE CONTRACTOR SHALL CONTACT MELISSA LUCAS, LEAD TRAFFIC SIGNAL TECHNICIAN, 425-295-5127, MLUCAS@SAMMAMISH.US AND SAUL WULFERT, 206-681-5972, SWULFERT@SAMMAMISH.US. SPECIFIC PEDESTRIAN SIGNAL WORK SHALL BE DONE AS DIRECTED BY OWNER OR OWNER'S REPRESENTATIVE. THIS WORK SHALL NOT PROCEED WITHOUT PRIOR APPROVAL BY CITY STAFF AND SHALL BE CONDUCTED UNDER THE SUPERVISION OF A SIGNAL TECHNICIAN.
6. CONTRACTOR SHALL POTHOLE ALL PEDESTRIAN PUSH BUTTON FOUNDATION LOCATIONS PRIOR TO EXCAVATING AND FORMING FOUNDATIONS AND INSTALLING CONDUIT PER SPECIAL PROVISION 1-07.
7. CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS LOCATED OUTSIDE OF PROJECT LIMITS. CONTRACTOR SHALL REPLACE DAMAGED IMPROVEMENT AT NO COST TO THE AGENCY.
8. CONTRACTOR SHALL IDENTIFY, LOCATE, AND PROTECT ALL SIGNAL LOOPS ADJACENT TO PROJECT LIMITS. SHOULD SIGNAL LOOPS BE CUT, CONTRACTOR SHALL REPLACE CUT LOOPS PER KING COUNTY LOOP SPLICING DETAIL. FOR ADDITIONAL INFORMATION, SEE SPECIAL PROVISIONS SECTION 8-20.3(14)A.
9. DIMENSIONS AND GRADES SHOWN ON THE PLANS ARE PROVIDED TO CONVEY INTENT OF THE PROPOSED IMPROVEMENTS. GRADES MAY BE ADJUSTED IN THE FIELD AS DIRECTED BY THE ENGINEER.
10. ALL CATCH BASINS LOCATED WITHIN CURB AND GUTTER REMOVAL AREAS SHALL BE ADJUSTED PER 7-05. ADJUSTMENTS SHALL BE CONSIDERED INCIDENTAL TO CURB AND GUTTER REMOVAL AND REPLACEMENT.

CONSTRUCTION NOTES

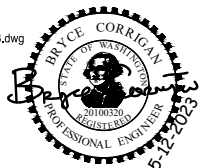
- 2 SAWCUT AND REMOVE EXISTING CEMENT CONC. CURB AND GUTTER.
- 3 SAWCUT AND REMOVE CEMENT CONC. SIDEWALK.
- 4 SAWCUT, REMOVE, AND REPLACE EXISTING ASPHALT PAVEMENT, MATCH EXISTING DEPTH.
- 5 PROTECT EXISTING FEATURE.
- 6 REMOVE SIDEWALK AND CONSTRUCT 4' LONG TRANSITION PANEL. MATCH EXISTING SIDEWALK WIDTH. SEE DETAIL, SHEET 3.
- 12 INSTALL STANDARD CEMENT CONC. SIDEWALK PER COS STANDARD DETAIL 3-06.
- 13 INSTALL CEMENT CONC. CURB AND GUTTER PER COS STANDARD DETAIL 3-8A.
- 17 INSTALL CEMENT CONC. COMBINATION CURB RAMP PER COS STANDARD DETAIL 2-09 AND PLAN.
- 22 INSTALL CEMENT CONC. PED CURB PER COS STANDARD DETAIL 3-11.
- 23 INSTALL STANDARD CEMENT CONC. SIDEWALK SECTION FOR INTERIOR OF TRAFFIC ISLAND.
- 24 INSTALL DETECTABLE WARNING SURFACE PER WSDOT STANDARD DETAIL F-45.10.
- 28 REMOVE EXISTING AND INSTALL NEW CROSSWALK STRIPING PER COS STANDARD DETAIL 4-05.
- 29 INSTALL WIDE EDGE LINE PER WSDOT STANDARD PLAN M-20.10.
- 31 RESTORE LANDSCAPING. INSTALL TOPSOIL AND SEED OR MULCH AS DIRECTED BY THE ENGINEER TO MATCH EXISTING AND ADJACENT CONDITIONS.

NO.	DATE	BY	APPR.	REVISIONS

Approved By

ENGINEERING MANAGER	DATE
PROJECT MANAGER	DATE
PROJECT ENGINEER	DATE

ISSAQUAH-PINE LAKE RD SE MS RRFB.dwg	FILENAME
EH	05/23
DESIGNED BY	DATE
KFL	05/23
DRAWN BY	DATE
BMC	05/23
CHECKED BY	DATE



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2023 ADA BARRIER REMOVAL PROJECT

ROADWAY PLAN	
ISSAQUAH-PINE LAKE RD SE MS RRFB	
KPG PROJECT No. 21043W6	SHT 14 OF 14