

CITY OF SAMMAMISH

KING COUNTY

WASHINGTON

228TH AVENUE CURB RAMP RETROFIT AND CATCH BASIN REPAIRS



CITY OFFICIALS

KAREN MORAN

Mayor

CHRISTIE MALCHOW

Vacant

City Council

KENT TREEN

CHRIS ROSS

KEN GAMBLIN

City Council

PAM STUART

DAVID RUDAT

City Manager

JEFF ELEKES

Public Works Director



RECOMMENDED FOR APPROVAL	
<u>Brian Rossler</u>	
PROJECT ENGINEER	
APPROVED BY:	
<u>Jeff Elekes</u>	<u>Jeff Elekes</u>
CITY ENGINEER	PUBLIC WORKS DIRECTOR



Gray & Osborne, Inc.

CONSULTING ENGINEERS
1130 RAINIER AVENUE SOUTH, SUITE 300
SEATTLE, WASHINGTON 98144 • (206) 284-0860

ABBREVIATIONS

AC	ASBESTOS CEMENT PIPE
ADJ	ADJUST
ALT	ALTERNATE
ALUM	ALUMINUM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AP	ANGLE POINT
ASPH	ASPHALT
ASSY	ASSEMBLY
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS
AVE	AVENUE
BF	BLIND FLANGE
BLDG	BUILDING
BLK	BLOCK
BO	BLOW OFF
BOP	BEGINNING OF PROJECT
BVCE	BEGIN VERTICAL CURVE ELEVATION
BVCS	BEGIN VERTICAL CURVE STATION
C	CONDUIT
CAP	CORRUGATED ALUMINUM PIPE
CB	CATCH BASIN
CF	CUBIC FEET
CFS	CUBIC FEET PER SECOND
CICL	CAST IRON CLASS
CLR	CLEARANCE
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUED/CONTINUOUS
CPEP	CORRUGATED POLYETHYLENE PIPE
CPLG	COUPLING
CTR	CENTER
CY	CUBIC YARD
CL	CENTER LINE
D	DRAIN
DC	DEGREE OF CURVATURE
DI	DUCTILE IRON
DIA	DIAMETER
DIM	DIMENSION
DOT	DEPARTMENT OF TRANSPORTATION
DWGS	DRAWING(S)
E	EAST
EA	EACH
EL	ELEVATION
ELEC	ELECTRICAL
EOA	EDGE OF ASPHALT
EOP	END OF PROJECT
EVCE	END VERTICAL CURVE ELEVATION
EVCS	END VERTICAL CURVE STATION
EXIST	EXISTING
FIG	FIGURE
FIN	FINISHED
FL	FLANGE
FT	FEET
GA	GAUGE
GALV	GALVANIZED
GI	GALVANIZED IRON
GV	GATE VALVE
HDPE	HIGH DENSITY POLYETHYLENE PIPE
ID	INSIDE DIAMETER
IN	INVERT ELEVATION
INCH	INCH
INV	INVERT
L	LENGTH
LB	POUND
LF	LINEAR FEET
MAX	MAXIMUM
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MJ	MECHANICAL JOINT
N	NORTH
NO	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
PC	POINT OF CURVATURE
PE	PLAIN END
PERF	PERFORATED
PI	POINT OF INTERSECTION
PP	POWER POLE
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
PVT	POINT OF VERTICAL TANGENT
QTY	QUANTITY
R	RADIUS
R/W	RIGHT-OF-WAY
RED	REDUCER
REINF	REINFORCE
REQD	REQUIRED
RET	RETAINING
RR	RAILROAD
S	SOUTH
SCH	SCHEDULE
SF	SQUARE FEET
SHT	SHEET
SL	SLOPE
SPECS	SPECIFICATIONS
SQ	SQUARE
STA	STATION
STD	STANDARD
TB	THRUST BLOCK
TC	TOP OF CURB
TEL	TELEPHONE
TESC	TEMPORARY EROSION AND SEDIMENT CONTROL
THRU	THREADED
THRU	THROUGH
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
W	WEST
W/	WITH
W/O	WITHOUT
WSDOT	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION

LINETYPES

EXISTING	PROPOSED	DESCRIPTION
=====	=====	CURB (TYPE AS NOTED)
=====	=====	CURB & GUTTER
=====	=====	ASPHALT PAVEMENT
=====	=====	GRAVEL SURFACING
=====	=====	CONCRETE SURFACING
=====	=====	CEMENT CONC. SIDEWALK
----- x ----- x -----		FENCE/RAILING (TYPE AS NOTED)
SURVEY		
-----	-----	RIGHT-OF-WAY LINE
-----	----- 10+00 -----	CENTERLINE OF CONSTRUCTION
----- 410 -----		CONTOUR LINE
-----	-----	SAWCUT LINE (APPROXIMATE LOCATION)
UTILITIES		
----- E -----		BURIED ELECTRICAL
----- T -----		BURIED TELEPHONE/COMMUNICATIONS
----- TV -----		BURIED CABLE TELEVISION
----- FO -----		BURIED FIBER-OPTIC LINE
----- G -----		GAS MAIN (SIZE AS NOTED)
----- W -----		WATER MAIN (SIZE AS NOTED)
----- IR -----	----- IR -----	IRRIGATION LINE
----- S -----		SANITARY SEWER MAIN (SIZE AS NOTED)
----- D -----		STORM DRAIN
----- D -----		CULVERT

GAS/POWER/TELEPHONE SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
□		GAS VALVE
△		PAD MOUNT TRANSFORMER
P		POWER VAULT (SIZE VARIES)
○		UTILITY POLE/FOUNDATION
←		UTILITY POLE ANCHOR
⊠		JUNCTION BOX
⊞		UTILITY PEDESTAL

SURVEY SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
△		SURVEY SET CONTROL
⊙		MONUMENT (IN CASE)
⊚		MONUMENT (SURFACE)

SIGNALIZATION/ILLUMINATION SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
⊙		STREET LIGHT ASSEMBLY/LUMINAIRE
⊙		POST MOUNTED LIGHT
⊙		TRAFFIC SIGNAL POLE
⊙		TRAFFIC SIGNAL POLE W/ LUMINAIRE
⊙	⊙	PEDESTRIAN PUSH BUTTON
⊙	⊙	PEDESTRIAN PUSH BUTTON W/POLE
⊙	⊙	JUNCTION BOX (ACTUAL SIZE SHOWN)

SANITARY/STORM SEWER SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
○ C.O.		CLEAN OUT (SAN. SEWER OR STORM)
⊙		SANITARY SEWER MANHOLE
□		STORM DRAIN CATCH BASIN, CONC. INLET, OR YARD/AREA DRAIN
⊙		STORM DRAIN MANHOLE/TYPE 2 CATCH BASIN

SURFACE FEATURES/LANDSCAPING

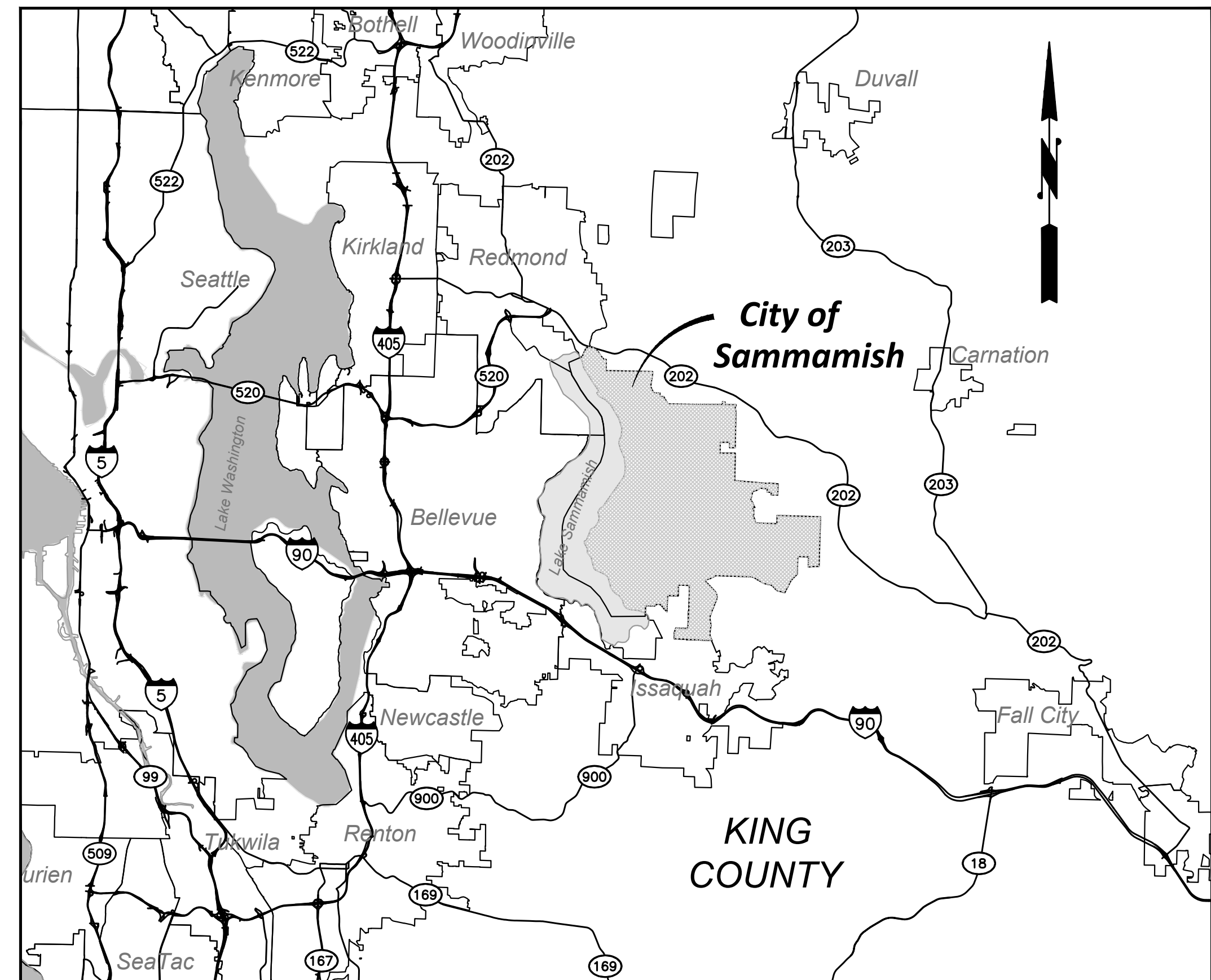
EXISTING	PROPOSED	DESCRIPTION
□		MAIL BOX
■		SIGN
▤		MODULAR BLOCK WALL
▥		CAST-IN-PLACE WALL
⊙		SHRUB
⊙ NOTED		TREE (CONIFER)
⊙ NOTED		TREE (DECIDUOUS)

WATER SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
⊙		WATER METER
⊙		WATER VAULT (SIZE VARIES)
⊙		FIRE HYDRANT (3-NOZZLE)
⊙		BLOW-OFF
⊙		WATER VALVE

GENERAL NOTES:

- ALL MATERIALS AND WORKMANSHIP SHALL BE FURNISHED AND SUPPLIED IN ACCORDANCE WITH THE 2020 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.
- 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 ON THE GROUND PRIOR TO ANY CONSTRUCTION. NOTIFY THE UNDERGROUND UTILITIES LOCATE CENTER: CALL #811.
- 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.
- THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER IN THE EVENT OR DISCOVERY OF UNSUITABLE SOILS OR HIGH GROUND WATER CONDITIONS OR DISCREPANCIES FROM THE PLANS.
- WHEREVER PLANS REFER TO "SAWCUT" OF ASPHALT CONCRETE PAVEMENT OR OIL MAT, OR CONCRETE SURFACE, THE CONTRACTOR SHALL PERFORM A "NEAT LINE CUT" PER SPECIFICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL IN ACCORDANCE WITH MUTCD. PRIOR TO DISTRIBUTION OF ANY TRAFFIC, TRAFFIC CONTROL PLANS SHALL BE PREPARED AND SUBMITTED TO THE CITY FOR APPROVAL. NO WORK SHALL COMMENCE UNTIL ALL APPROVED TRAFFIC CONTROL IS IN PLACE.
- 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.
- ONLY ONE CORNER OF AN INTERSECTION MAY BE CLOSED / PARTIALLY CLOSED TO PEDESTRIANS AT ANY GIVEN TIME.

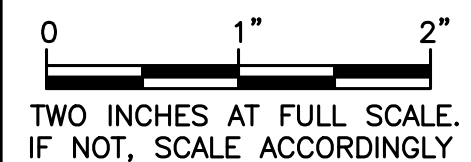


BURIED UTILITIES IN AREA CALL BEFORE YOU DIG 1-811

EXISTING UTILITIES SHOWN ARE FROM THE BEST AVAILABLE INFORMATION AND NO GUARANTEE IS MADE AS TO THE EXACT SIZE, TYPE, LOCATION OR DEPTH

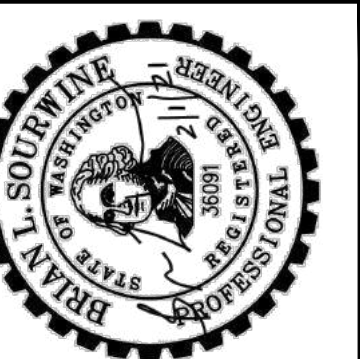
RIGHT-OF-WAY DISCLAIMER

THE RIGHT-OF-WAY AND/OR PROPERTY LINES SHOWN HEREON ARE BASED ON AVAILABLE INFORMATION, NOT ON A SURVEYED LOCATION AND ARE ONLY APPROXIMATE.



DATE: FEB 2021	DRS	CNT	BLS
DRAWN:	CHECKED:	APPROVED:	

DATE	APPD
REVISION	DATE
No.	



CITY OF SAMMAMISH
 KING COUNTY WASHINGTON
228TH AVENUE CURB RAMP RETROFIT AND CATCH BASIN REPAIRS
 ABBREVIATIONS, GENERAL NOTES, LEGEND AND VICINITY MAP

SHEET: G-1
OF: 38
JOB NO.: 20495
DWG: LEGEND

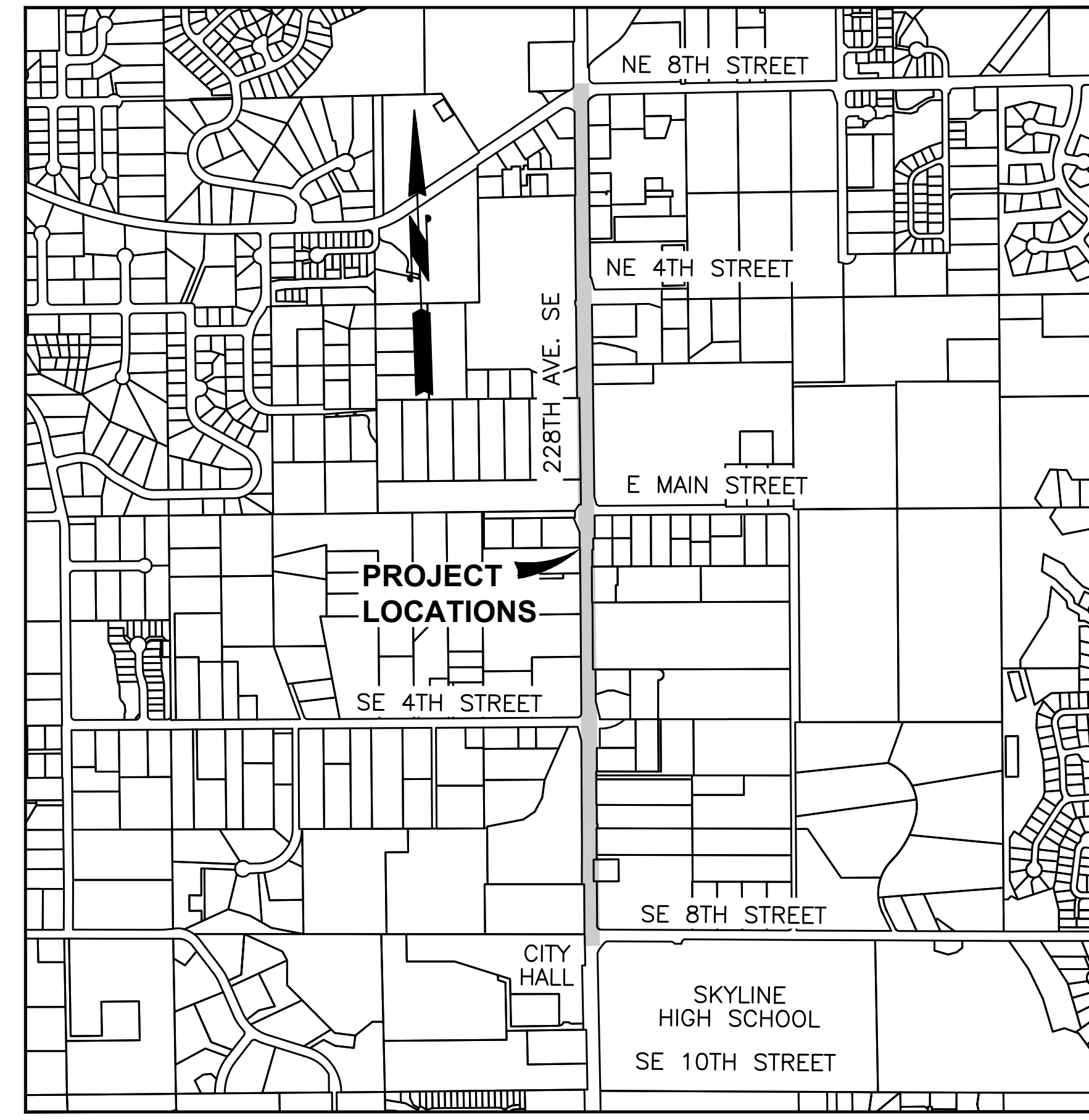
HORZ. DATUM = NAD83[2011]
 WSPCS NORTH ZONE
 MODIFIED GROUND COORDINATES, AVG CGF= 0.99996066605, SCALED TO GROUND AT G+0 4

VERT. DATUM = NAVD88
 HOLDING PUBLISHED ELEV FOR KING COUNTY BM DS1071

SURVEY CONTROL TABLE

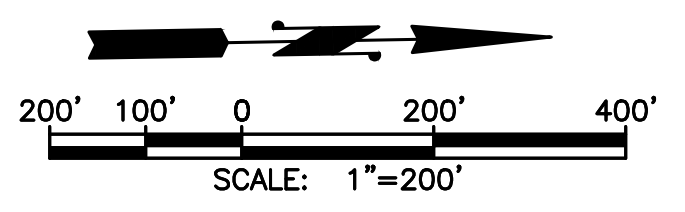
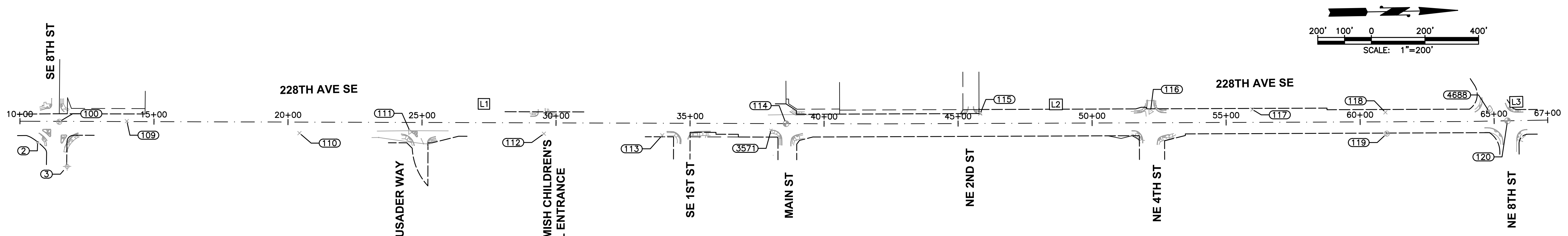
CITY OF SAMMAMISH - 2020 CURB RAMP RETROFIT AND SIDEWALK REPAIRS PROJECT

POINT	NORTHING	EASTING	ELEV.	DESCRIPTION
2	221747.56	1343920.08	535.40	SSRC. 5/8" REBAR RED CAP "G&O CONTROL" 0.15" BELOW GROUND IN GRASS 2.5' E-SE OF E'LY RWB ALONG 228TH. @ SE COR 228TH & SE 8TH. ~21'; E OF ELEVATED DMH. ~18' SW OF S'LY DCB W OF STORM POND.
3	221855.93	1344011.41	536.84	SFB. KING CO BM, SCRIBE CHISLED BOX ON NW SIDE OF CONC ROUND FOR STREET LIGHT.
4	221319.09	1343801.27	545.661	SSN. MAG NAIL IN SWALK SEAM 1.4' W OF E RWE ON W SIDE 228TH. N OF SAMMAMISH LIBRARY DWAY. 10.3' NE OF NE'LY TOP HANDRAIL POST. ~14'NE CL STAIRS. 9.8' SW OF 4" TREE
100	221829.56	1343844.42	531.16	SFM. CL INTX 228TH & SE 8TH. 3" BRASS DISC W/PUNCH. LS 32507. CTR SECTION
101	220846.55	1343874.76	552.92	SSC. SCRIBE "X" 5.65' E OF E TBC. SE ISLAND @ INTX SE 10TH/228TH. 9.5' N OF NE COR PJB. ~21' SW OF TSPL. ~13' SW OF SW COR PJB
102	220273.17	1343868.43	558.14	SSNT. G&O TAG CL SE 13TH WAY. 2.7' NW OF NW LINE CROSSWALK. ~19' S OF DCB IN FRONT OF NE ADA.
103	219716.20	1343874.28	559.14	SSN. MAG NAIL IN SWALK SEAM 1' W OF E RWB. E SIDE 228TH. NW COR OF DWAY ENTRANCE TO WATER DIST FACILITY. N OF INTX W/SE 16TH. 7.8' SW OF GUARD POST.
104	219526.42	1343827.08	553.09	SFM. CL SE 16TH AND 228TH. 3" BRASS W/PUNCH. "LS 32507 4/3". IN CONC
105	219223.74	1343856.68	537.72	SSN. MAG IN SEAM 0.55' E OF W RWB. E SIDE 228TH. 6' E OF DCB. ~12' S OF PJB.
106	218217.89	1343849.14	455.42	SSNT. G&O TAG 4.75' W FROM CURB. NE QUAD INTX 228TH/SE20TH. W OF SW COR S'LY ADA WING. ~8' N-NW OF DCB.
107	217933.28	1343836.43	430.49	SSC. SCRIBE X IN WALK. 0.2' E OF W RWE ON E SIDE 228TH. N OF INTXW/SE21ST. 1.5'NE LANDSCAPE SPRINKLER VALVE. 3.7' NE OF NE COR PJB. ~15' S OF PLP
108	216896.98	1343775.77	409.48	SFMC. KC 2227. 1 1/4" BRASS DISC W/X ON 4X4 CONC POST. 0.6' DOWN. INTX 228TH AND 24TH
2235	220273.98	1343832.54	558.72	SFMC, 1-5/8" BISC W/PUNCH, STAMPED "G4 30450", ON 4X4 CONC. POST, DODWN 0.3' IN MON CASE. INTX. 13TH ST. AND 228TH AVE.
2267	219601.65	1344035.78	563.70	SFM, 3" BRASS DISC W/'+' , STAMPED "1995 KC-DS-20"
2794	218172.56	1343800.73	451.40	SFMC, 1-1/4" DOME DISC W/PUNCH STAMPED "LS 41299", DOW 0.7', IN MON CASE. INTX. 20TH ST. AND 228TH AVE.



228TH AVENUE SE - CONSTRUCTION CENTERLINE ALIGNMENT TABLE

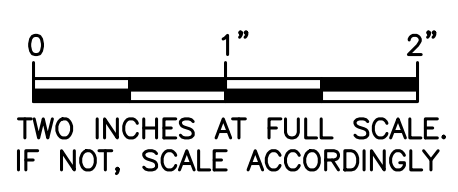
SEGMENT	BEGIN STATION	BEGIN NORTHING	BEGIN EASTING	END STATION	END NORTHING	END EASTING	DISTANCE	BEARING	RADIUS	TANGENT	CURVE LENGTH	DELTA
L1	10+00.00	221,683.12	1,343,839.77	41+93.61	224,876.05	1,343,905.42	3,193.61	N1°10'40"E				
L2	41+93.61	224,876.05	1,343,905.42	63+99.94	227,082.18	1,343,934.97	2,206.33	N0°46'03"E				
L3	63+99.94	227,082.18	1,343,934.97	66+99.94	227,382.18	1,343,934.97	300.00	N0°00'00"E				



PROJECT SITE
SCALE: NOTED

BURIED UTILITIES IN AREA
CALL BEFORE YOU DIG
1-811
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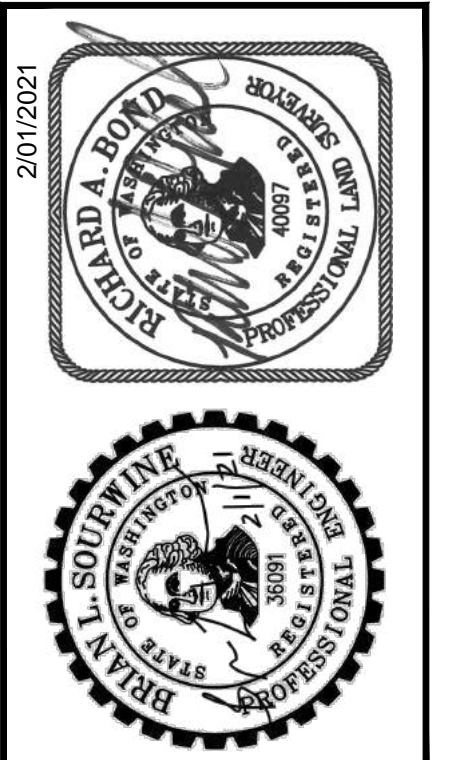
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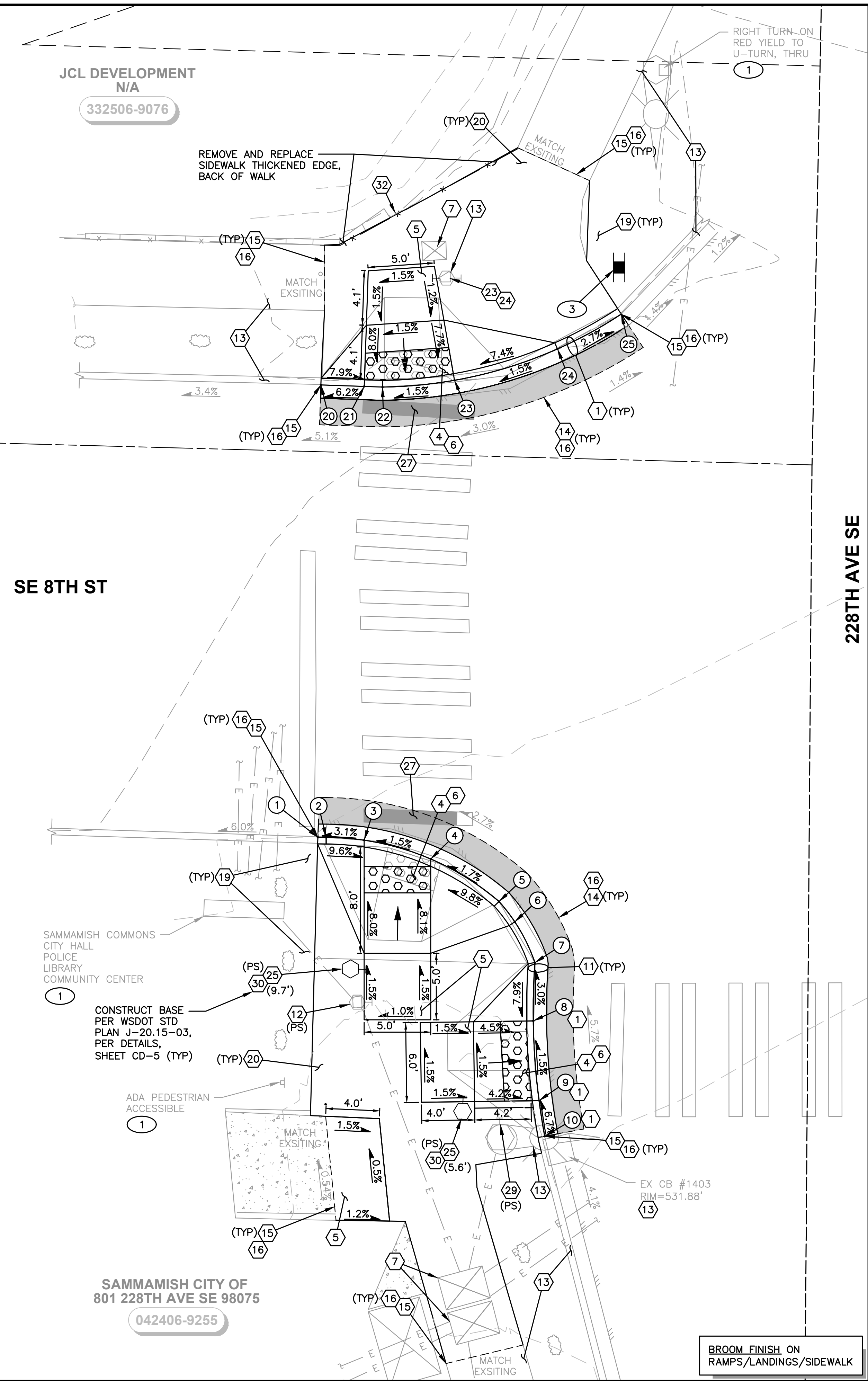


CITY OF SAMMAMISH
 KING COUNTY WASHINGTON
228TH AVENUE CURB RAMP RETROFIT AND CATCH BASIN REPAIRS
 SURVEY CONTROL & ALIGNMENT TABLES,
 PROJECT SITE & LOCATION MAPS

SHEET: **G-2**
 OF: **38**
 JOB NO.: 20495
 DWG: SURV

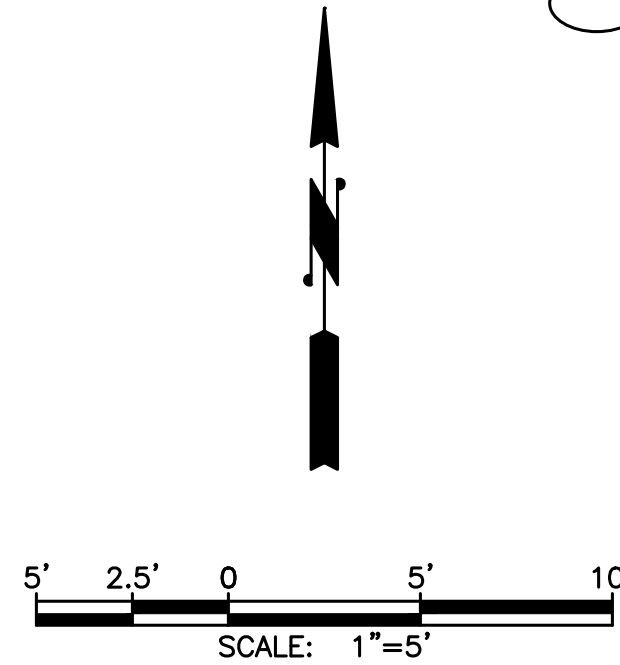
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M:\SAMMAM\20495 Task 7 228th Ave Ramps Phase 2\01 Design\PlanSet\Civil\RP-1 RAMP PLAN.dwg, 2/2/2021 9:29 AM, DAVID ROMAN-SANCHEZ



SIGNING NOTES

1. PROTECT EXISTING SIGN DURING CONSTRUCTION.
2. RELOCATE EXISTING SIGN. FURNISH AND INSTALL NEW POST AND HARDWARE PER DETAILS, SHEETS CD-2-CD-3. WASTE HAUL EXISTING POST AND FOUNDATION.
3. CONTRACTOR SHALL FURNISH AND INSTALL NEW SIGN, PER SIGN SCHEDULE THIS SHEET, AND NEW POST AND FOUNDATION, PER DETAILS, SHEETS CD-2-CD-3.



SIGN INSTALLATION SCHEDULE		
ORIENTATION	NEW LOCATION	MESSAGE/DESCRIPTION
EAST AND WEST	STA. 11+61 43.20' LT	R9-3 NO PEDESTRIAN CROSSING (SYMBOL) (18"x18") ONE ON EACH SIDE OF SIGN POST

GENERAL NOTES

1. ALL SIGN TYPES, COLORS, AND DIMENSIONS ARE STANDARD PER THE MUTCD, UNLESS OTHERWISE INDICATED.
2. CONTRACTING AGENCY SHALL CONFIRM CURB LAYOUT PRIOR TO INSTALLATION.
3. TYPE A CURB AND GUTTER, PER DETAIL, SHEET RD-2.
4. SINGLE DIRECTION CURB RAMP, PER DETAIL, SHEET RPD-3.
5. REMOVE AND WASTEHAUL EXISTING J-BOX, REPLACE AND RELOCATE J-BOX PER WSDOT STD. PLAN J-40.10-04. COORDINATE LOCATION WITH CONTRACTING AGENCY.
6. CURB RAMP. CROSS SLOPE SHALL NOT EXCEED 1.50% (UNLESS NOTED OTHERWISE ON PLANS).
7. LANDING. CROSS SLOPE SHALL NOT EXCEED 1.50% (UNLESS NOTED OTHERWISE ON PLANS).
8. DETECTABLE WARNING SURFACE (MODIFIED). SEE STANDARD PLAN F-45.10 ON SHEET RPD-2.
9. REMOVE AND WASTEHAUL EXISTING JUNCTION BOX, REPLACE WITH JUNCTION BOX PER WSDOT STD. PLAN J-40.10-04.
10. COMBINATION CURB RAMP, SEE STANDARD PLAN F-40.14 ON SHEET RPD-2.
11. PARALLEL CURB RAMP, PER DETAIL, SHEET RPD-1.
12. PERPENDICULAR CURB RAMP, PER DETAIL, SHEET RPD-1.
13. MEDIAN CURB AND GUTTER, PER DETAIL, SHEET RD-2.
14. REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSH BUTTON AND POLE TO CONTRACTING AGENCY.
15. PROTECT EXISTING CURB, CURB & GUTTER, SIDEWALK, LUMINAIRE, WALL, VAULT, TREE, LANDSCAPING, SHRUB, MONUMENT, STORM STRUCTURE, STORM SYSTEM, IRRIGATION, FIRE HYDRANT, ROCKERY, UTILITIES, UTILITY POLE, JUNCTION BOX, PEDESTAL, SURVEY CONTROL POINT, ETC. DURING CONSTRUCTION.
16. SAWCUT EXISTING PAVEMENT PER FLEXIBLE PAVEMENT PATCHING DETAIL, SHEET RD-3, AND SEAL JOINT (WHERE APPLICABLE) THEN APPLY SAND BLANKET TO THE SURFACE JOINT.
17. SAWCUT EXISTING CURB/CURB & GUTTER/SIDEWALK TO NEAREST FULL JOINT (UNLESS DIRECTED OTHERWISE BY CONTRACTING AGENCY) AND PROVIDE CLEAN EDGE. CONTRACTOR SHALL REMOVE AND WASTEHAUL EXISTING CURB/GUTTER/SIDEWALK.
18. REMOVE AND WASTEHAUL EXISTING CURB, GUTTER, SIDEWALK, CONCRETE, PAVEMENT, WALL, FOUNDATION, ASPHALT PER THE SPECIFICATIONS.
19. ADJUST EXISTING VALVE BOX TO GRADE, PER VALVE BOX ADJUSTMENT DETAIL, SHEET SD-1.
20. ADJUST CATCH BASIN TO GRADE, PER DETAILS, SHEET SD-1.
21. PROVIDE PROPERTY RESTORATION TO ITS EXISTING CONDITIONS (4" TOPSOIL TYPE A WITH SOD, OR, 4" BARK MULCH, AS REQUIRED).
22. CEMENT CONCRETE SIDEWALK, PER CEMENT CONCRETE SIDEWALK AND SIDEWALK DETAILS, SHEET RD-1. MATCH EXISTING JOINT / SCORING PATTERN(S).
23. EXISTING UTILITY TO BE RELOCATED BY OTHERS. COORDINATE WORK WITH UTILITY REPRESENTATIVE. SEE GENERAL NOTE 2, SHEET G-1.
24. ADJUST EXISTING WATER METER TO GRADE.
25. ADJUST PEDESTRIAN PUSH BUTTON HEIGHT. PER DETAIL, SHEET CD-6.
26. ADJUST PEDESTRIAN PUSH BUTTON HORIZONTALLY. PER DETAIL, SHEET CD-6.
27. NEW PEDESTRIAN PUSH BUTTON AND POLE WITH BREAKAWAY ASSEMBLY, PER DETAIL SHEETS CD-6 AND CD-7. TYPE PS POLES NOTED ON PLANS WITH NOTE "(PS)". ALL OTHER PUSH BUTTON POLES TO BE TYPE PPB. DISTANCE FROM CENTERLINE OF POLE TO FACE OF CURB, MEASURED PERPENDICULAR TO THE CURB, IS NOTED ON THE PLANS IN PARENTHESIS.
28. FURNISH AND INSTALL PLASTIC STOP LINE, PER DETAIL, SHEET CD-1.
29. FURNISH AND INSTALL PLASTIC CROSSWALK MARKINGS, PER DETAIL, SHEET CD-1.
30. FURNISH AND INSTALL PAINTED 8" WIDE LINE, PER DETAIL, SHEET CD-1.
31. REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSH BUTTON TO CONTRACTING AGENCY. CAP HOLES AFTER REMOVAL PER SPECIFICATIONS.
32. CAUTION: POTENTIAL UTILITY CONFLICT. VERIFY (POTHOLE) EXACT LOCATION AND DEPTH OF EXISTING UTILITY. SEE ORDER OF WORK. PATCH POTHOLES IN EXISTING SIDEWALK WITH TEMPORARY HMA UPON COMPLETION OF POTHOLE WORK.
33. CONSTRUCT CAST-IN-PLACE WALL, PER DETAIL, SHEET RD-4.
34. CONSTRUCT BLACK VINYL CHAIN LINK FENCE, PER DETAIL, SHEET RD-4.
35. ADJUSTED EXISTING WATER VALVE TO GRADE, PER DETAIL, SHEET SD-1.

228TH AVENUE SE AND SE 8TH ST - NORTHWEST CURB RETURN AND ADA RAMP TABLE

NUMBER	TYPE	STATION	OFFSET	FLOWLINE ELEVATION	CURB HEIGHT	DESCRIPTION	CENTER
20	WING	11+51.95	65.42 LT	529.64*	6" (APPROX)	L=19.03' R=33.46' Δ=32° 35' 24"	11+85.32 -61.86 LT
21	LANDING	11+51.90	62.15 LT	529.84	0"		
22	PC/LANDING	11+51.89	60.78 LT	529.86	0"		
23	LANDING	11+52.50	55.38 LT	529.95	0"		
24	WING	11+55.02	47.68 LT	530.07	6"		
25	PT/FL	11+57.53	42.80 LT	529.92*	6" (APPROX)		

NOTE: ELEVATIONS WITH "*" CONTRACTOR SHALL MATCH EXISTING ELEVATIONS AT EXISTING CURB/SIDEWALK/ROADWAY TIE-INS. (APPROXIMATE ELEVATIONS LISTED).

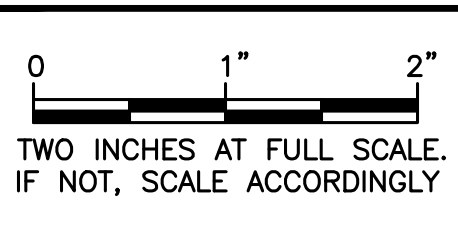
228TH AVENUE SE AND SE 8TH ST - SOUTHWEST CURB RETURN AND ADA RAMP TABLE

NUMBER	TYPE	STATION	OFFSET	FLOWLINE ELEVATION	CURB HEIGHT	DESCRIPTION	CENTER
1	WING/FL	11+17.93	64.94 LT	531.05*	6" (APPROX)	L=14.16' R=20.07' Δ=40° 25' 01"	10+97.87 -63.96 LT
2	PC	11+17.93	64.32 LT	531.02	5" (APPROX)		
3	LANDING	11+17.78	61.46 LT	531.11	0"		
4	LANDING	11+16.47	56.43 LT	531.19	0"	L=5.36' R=13.31' Δ=23° 05' 34"	11+04.28 -60.93 LT
5	PC/PT	11+13.38	51.23 LT	531.29	4" (APPROX)		
6	WING	11+11.88	50.01 LT	531.32	6"	L=13.11' R=51.84' Δ=14° 29' 26"	11+06.27 3.35 RT
7	PT/PC/WING	11+08.84	48.43 LT	531.43	6"		
8	LANDING	11+04.46	48.46 LT	531.56	0"		
9	LANDING	11+04.46	48.46 LT	531.65	0"/6"		
10	PT	10+95.80	47.43 LT	531.83*	6" (APPROX)		

NOTE: ELEVATIONS WITH "*" CONTRACTOR SHALL MATCH EXISTING ELEVATIONS AT EXISTING CURB/SIDEWALK/ROADWAY TIE-INS. (APPROXIMATE ELEVATIONS LISTED).

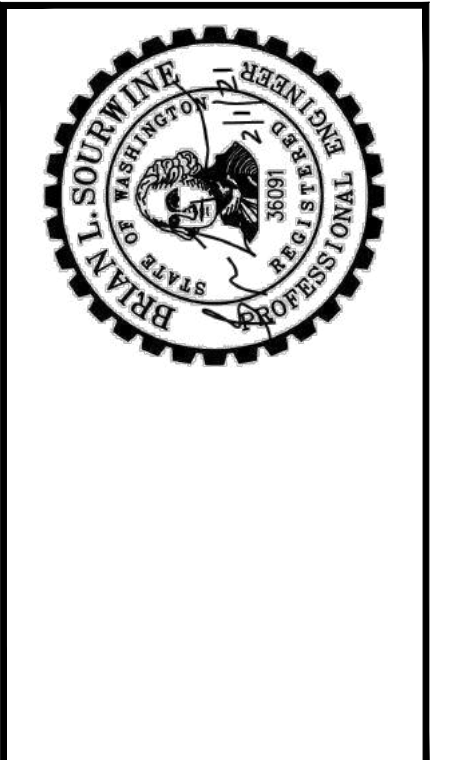
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Gray & Osborne, Inc.
CONSULTING ENGINEERS
11130 RAINIER AVENUE SOUTH, SUITE 300
SEATTLE, WASHINGTON 98144 • (206) 764-0860

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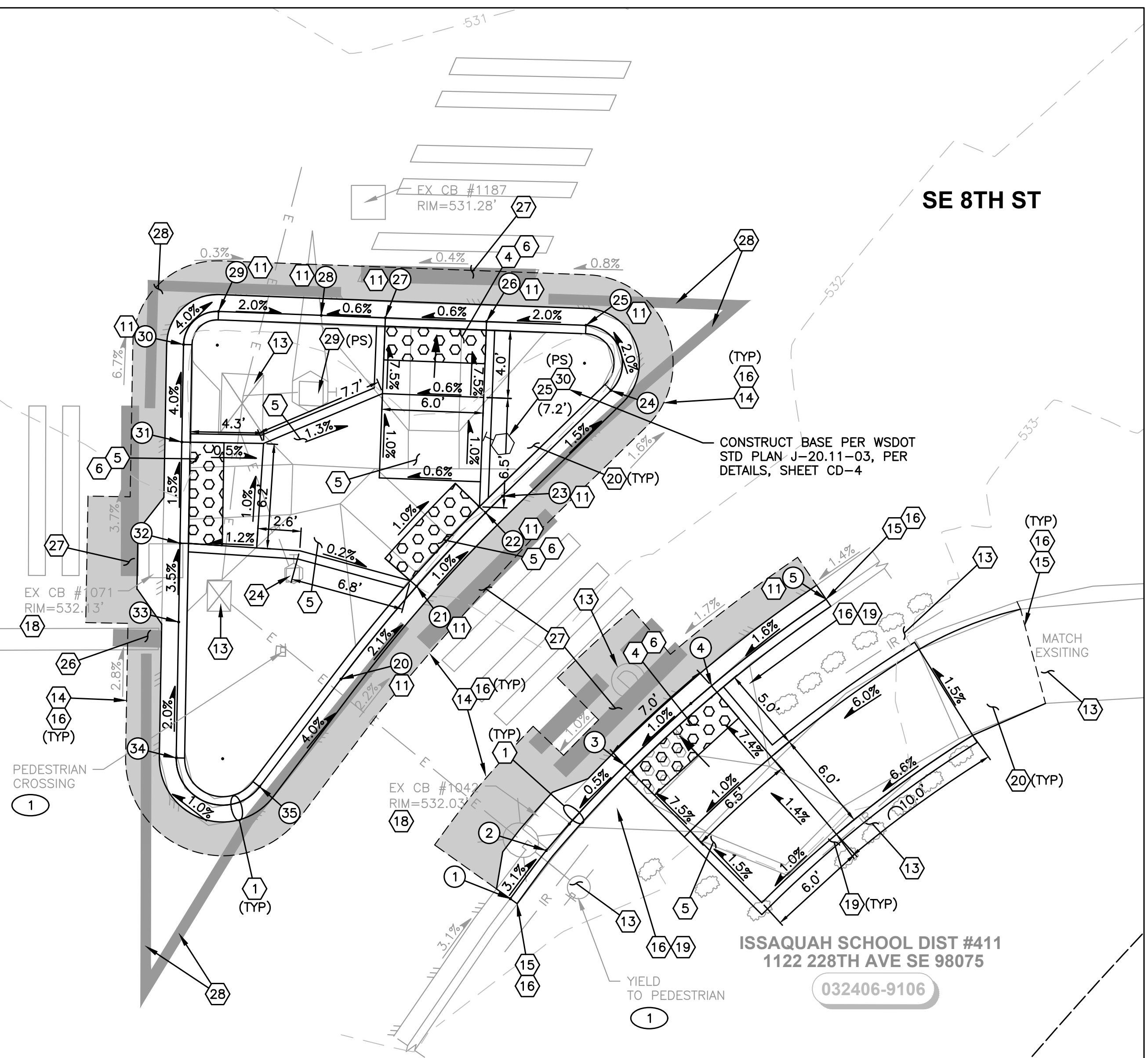
CITY OF SAMMAMISH
KING COUNTY WASHINGTON
228TH AVENUE CURB RAMP RETROFIT AND CATCH BASIN REPAIRS
RAMP PLAN

SHEET: **RP-1**
OF: **38**
JOB NO.: 20495
DWG: RP-1 RAMP PLAN

M:\SAMMAM\20495 Task 7 228th Ave Ramps Phase 2\01 Design\Plans\Civil\RP-1 RAMP PLAN.dwg, 2/2/2021 9:30 AM, DAVID ROMAN-SANCHEZ

228TH AVE SE

SE 8TH ST



SIGNING NOTES

1. PROTECT EXISTING SIGN DURING CONSTRUCTION.
2. RELOCATE EXISTING SIGN. FURNISH AND INSTALL NEW POST AND HARDWARE PER DETAILS, SHEETS CD-2-CD-3. WASTE HAUL EXISTING POST AND FOUNDATION.
3. CONTRACTOR SHALL FURNISH AND INSTALL NEW SIGN, PER SIGN SCHEDULE THIS SHEET, AND NEW POST AND FOUNDATION, PER DETAILS, SHEETS CD-2-CD-3.

GENERAL NOTES

1. ALL SIGN TYPES, COLORS, AND DIMENSIONS ARE STANDARD PER THE MUTCD, UNLESS OTHERWISE INDICATED.
2. CONTRACTING AGENCY SHALL CONFIRM CURB LAYOUT PRIOR TO INSTALLATION.
1. TYPE A CURB AND GUTTER, PER DETAIL, SHEET RD-2.
2. SINGLE DIRECTION CURB RAMP, PER DETAIL, SHEET RPD-3.
3. REMOVE AND WASTEHAUL EXISTING J-BOX, REPLACE AND RELOCATE J-BOX PER WSDOT STD. PLAN J-40.10-04. COORDINATE LOCATION WITH CONTRACTING AGENCY.
4. CURB RAMP. CROSS SLOPE SHALL NOT EXCEED 1.50% (UNLESS NOTED OTHERWISE ON PLANS).
5. LANDING. CROSS SLOPE SHALL NOT EXCEED 1.50% (UNLESS NOTED OTHERWISE ON PLANS).
6. DETECTABLE WARNING SURFACE (MODIFIED). SEE STANDARD PLAN F-45.10 ON SHEET RPD-2.
7. REMOVE AND WASTEHAUL EXISTING JUNCTION BOX, REPLACE WITH JUNCTION BOX PER WSDOT STD. PLAN J-40.10-04.
8. COMBINATION CURB RAMP, SEE STANDARD PLAN F-40.14 ON SHEET RPD-2.
9. PARALLEL CURB RAMP, PER DETAIL, SHEET RPD-1.
10. PERPENDICULAR CURB RAMP, PER DETAIL, SHEET RPD-1.
11. MEDIAN CURB AND GUTTER, PER DETAIL, SHEET RD-2.
12. REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSH BUTTON AND POLE TO CONTRACTING AGENCY.
13. PROTECT EXISTING CURB, CURB & GUTTER, SIDEWALK, LUMINAIRE, WALL, VAULT, TREE, LANDSCAPING, SHRUB, MONUMENT, STORM STRUCTURE, STORM SYSTEM, IRRIGATION, FIRE HYDRANT, ROCKERY, UTILITIES, UTILITY POLE, JUNCTION BOX, PEDESTAL, SURVEY CONTROL POINT, ETC. DURING CONSTRUCTION.
14. SAWCUT EXISTING PAVEMENT PER FLEXIBLE PAVEMENT PATCHING DETAIL, SHEET RD-3, AND SEAL JOINT (WHERE APPLICABLE) THEN APPLY SAND BLANKET TO THE SURFACE JOINT.
15. SAWCUT EXISTING CURB/CURB & GUTTER/SIDEWALK TO NEAREST FULL JOINT (UNLESS DIRECTED OTHERWISE BY CONTRACTING AGENCY) AND PROVIDE CLEAN EDGE. CONTRACTOR SHALL REMOVE AND WASTEHAUL EXISTING CURB/GUTTER/SIDEWALK.
16. REMOVE AND WASTEHAUL EXISTING CURB, GUTTER, SIDEWALK, CONCRETE, PAVEMENT, WALL, FOUNDATION, ASPHALT PER THE SPECIFICATIONS.
17. ADJUST EXISTING VALVE BOX TO GRADE, PER VALVE BOX ADJUSTMENT DETAIL, SHEET SD-1.
18. ADJUST CATCH BASIN TO GRADE, PER DETAILS, SHEET SD-1.
19. PROVIDE PROPERTY RESTORATION TO ITS EXISTING CONDITIONS (4" TOPSOIL TYPE A WITH SOD, OR, 4" BARK MULCH, AS REQUIRED).
20. CEMENT CONCRETE SIDEWALK, PER CEMENT CONCRETE SIDEWALK AND SIDEWALK DETAILS, SHEET RD-1. MATCH EXISTING JOINT / SCORING PATTERN(S).
21. EXISTING UTILITY TO BE RELOCATED BY OTHERS. COORDINATE WORK WITH UTILITY REPRESENTATIVE. SEE GENERAL NOTE 2, SHEET G-1.
22. ADJUST EXISTING WATER METER TO GRADE.
23. ADJUST PEDESTRIAN PUSH BUTTON HEIGHT. PER DETAIL, SHEET CD-6.
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26. FURNISH AND INSTALL PLASTIC STOP LINE, PER DETAIL, SHEET CD-1.
27. FURNISH AND INSTALL PLASTIC CROSSWALK MARKINGS, PER DETAIL, SHEET CD-1.
28. FURNISH AND INSTALL PAINTED 8" WIDE LINE, PER DETAIL, SHEET CD-1.
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30. CAUTION: POTENTIAL UTILITY CONFLICT. VERIFY (POTHOLE) EXACT LOCATION AND DEPTH OF EXISTING UTILITY. SEE ORDER OF WORK. PATCH POTHOLES IN EXISTING SIDEWALK WITH TEMPORARY HMA UPON COMPLETION OF POTHOLE WORK.
31. CONSTRUCT CAST-IN-PLACE WALL, PER DETAIL, SHEET RD-4.
32. CONSTRUCT BLACK VINYL CHAIN LINK FENCE, PER DETAIL, SHEET RD-4.
33. ADJUSTED EXISTING WATER VALVE TO GRADE, PER DETAIL, SHEET SD-1.

228TH AVENUE SE AND SE 8TH ST - SOUTHEAST CURB RETURN AND ADA RAMP TABLE

NUMBER	TYPE	STATION	OFFSET	FLOWLINE ELEVATION	CURB HEIGHT	DESCRIPTION	CENTER
1	FL	10+80.22	50.29 RT	532.12*	6" (APPROX)		
2	PC/CB	10+83.12	52.36 RT	532.01	6"		
3	LANDING	10+84.71	53.69 RT	532.04	6"/0"	L=22.35' R=82.16' Δ=15' 35' 19"	10+31.31 116.10 RT
4	LANDING	10+88.26	56.90 RT	532.11	0"/6"		
5	PT	10+92.00	60.74 RT	532.25*	6" (APPROX)		

228TH AVENUE SE AND SE 8TH ST - SOUTHEAST ISLAND CURB RETURN AND ADA RAMP TABLE

NUMBER	TYPE	STATION	OFFSET	FLOWLINE ELEVATION	CURB HEIGHT	DESCRIPTION	CENTER
20	PC/FL	10+93.02	39.98 RT	532.10	6"		
21	LANDING	10+98.62	44.36 RT	531.95	6"/0"	L=14.48' R=95.00' Δ=8' 44' 00"	10+37.35 116.97 RT
22	LANDING	11+03.06	48.35 RT	531.89	0"/6"		
23	PT/FL	11+04.06	49.33 RT	531.87	6"		
24	PC/FL	11+10.46	55.63 RT	531.73	6"	L=5.25', R=2.25' Δ=133' 36' 53"	11+12.04 54.03 RT
25	PT/FL	11+14.29	54.07 RT	531.63	6"		
26	LANDING	11+14.39	48.18 RT	531.51	6"/0"		
27	LANDING	11+14.49	42.18 RT	531.47	0"/6"		
28	LP	11+14.56	38.38 RT	531.45	6"		
29	PC/FL	11+14.66	32.29 RT	531.57	6"	L=3.18', R=2.00' Δ=91' 09' 46"	11+12.66 32.25 RT
30	PT/FL	11+12.66	30.25 RT	531.70	6"		
31	LANDING	11+06.88	30.27 RT	531.93	6"/0"		
32	LANDING	11+00.88	30.29 RT	532.02	0"/6"		
33	FL	10+96.21	30.30 RT	532.18	6"		
34	PC/FL	10+88.15	30.33 RT	532.35	6"	L=6.91', R=2.75' Δ=143' 57' 21"	10+88.16 33.08 RT
35	PT/FL	10+86.55	35.30 RT	532.42	6"		

NOTE: ELEVATIONS WITH "*" CONTRACTOR SHALL MATCH EXISTING ELEVATIONS AT EXISTING CURB/SIDEWALK/ROADWAY TIE-INS. (APPROXIMATE ELEVATIONS LISTED).

BROOM FINISH ON RAMP/LANDINGS/SIDEWALK

BURIED UTILITIES IN AREA CALL BEFORE YOU DIG 1-811

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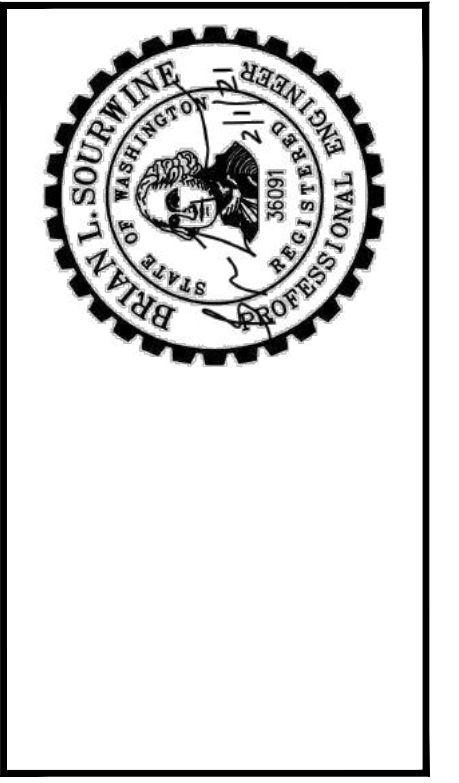
0 1" 2"

TWO INCHES AT FULL SCALE. IF NOT, SCALE ACCORDINGLY

Gray & Osborne, Inc.
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SEATTLE, WASHINGTON 98144 • (206) 264-0860

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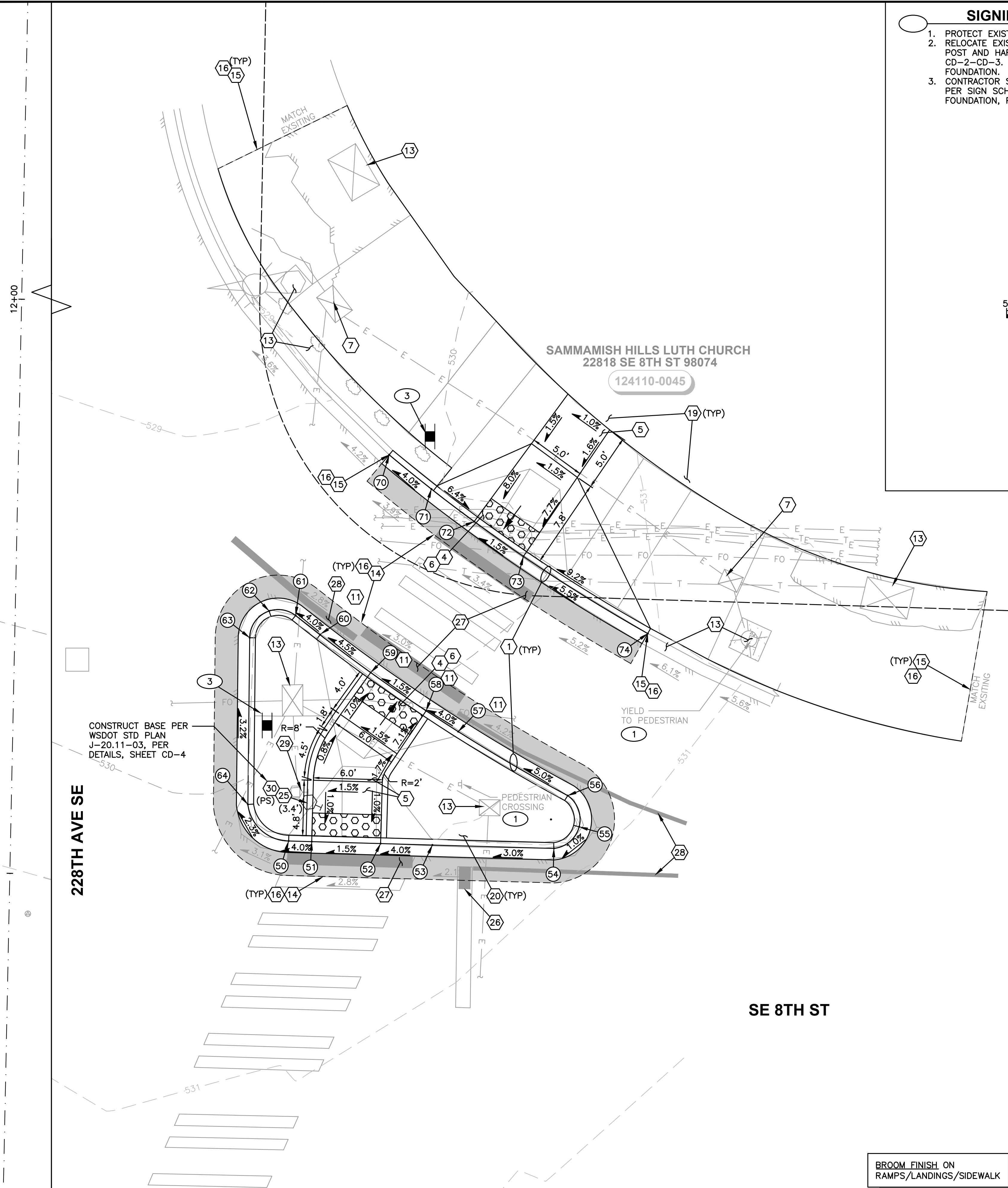
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CITY OF SAMMAMISH
KING COUNTY WASHINGTON
228TH AVENUE CURB RAMP RETROFIT AND CATCH BASIN REPAIRS
RAMP PLAN

SHEET: **RP-2**
OF: **38**
JOB NO.: 20495
DWG: RP-1 RAMP PLAN

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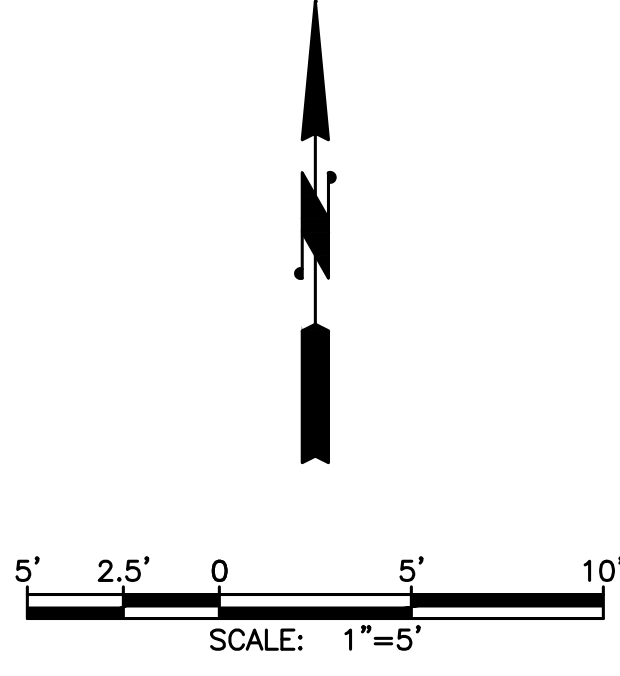


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3. REMOVE AND WASTEHAUL EXISTING J-BOX, REPLACE AND RELOCATE J-BOX PER WSDOT STD. PLAN J-40.10-04. COORDINATE LOCATION WITH CONTRACTING AGENCY.
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32. CONSTRUCT BLACK VINYL CHAIN LINK FENCE, PER DETAIL, SHEET RD-4.
33. ADJUSTED EXISTING WATER VALVE TO GRADE, PER DETAIL, SHEET SD-1.



SIGN INSTALLATION SCHEDULE

ORIENTATION	NEW LOCATION	MESSAGE/DESCRIPTION
EAST AND WEST	STA. 11+64.00, 53.0' RT	R9-3 NO PEDESTRIAN CROSSING (SYMBOL) (18"x18") ONE ON EACH SIDE OF SIGN POST
EAST AND WEST	STA. 11+89.40, 66.7' RT	R9-3 NO PEDESTRIAN CROSSING (SYMBOL) (18"x18") ONE ON EACH SIDE OF SIGN POST

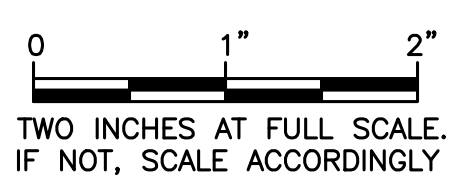
228TH AVENUE SE AND SE 8TH ST - NORTHEAST CURB RETURN AND ADA RAMP TABLE

NUMBER	TYPE	STATION	OFFSET	FLOWLINE ELEVATION	CURB HEIGHT	DESCRIPTION	CENTER
50	PT/FL	11+53.95	55.09 RT	530.21	6"	L=5.21', R=3.61' Δ=82° 41' 53"	11+57.56 55.05 RT
51	LANDING	11+53.94	57.10 RT	530.29	6"/0"		
52	LANDING	11+53.89	63.10 RT	530.38	0"/6"	L=6.16' R=2.54' Δ=139° 14' 09"	11+56.29 77.89 RT
53	FL	11+53.86	67.61 RT	530.56	6"		
54	PC/FL	11+53.78	78.19 RT	530.88	6"	L=28.45' R=156.15' Δ=10° 26' 24"	12+97.40 150.45 RT
55	HP	11+55.70	80.35 RT	530.91	6"		
56	PT/FL	11+58.40	79.30 RT	530.75	6"	L=5.50' R=2.48' Δ=127° 12' 04"	11+71.60 53.81 RT
57	FL	11+63.77	69.66 RT	530.20	6"		
58	LANDING	11+65.53	66.82 RT	530.07	6"/0"	SEE POINT 50 FOR CURVE DATA	
59	LANDING	11+68.76	61.93 RT	529.98	0"/6"		
60	FL	11+71.96	57.46 RT	529.73	6"	L=27.41' R=146.54' Δ=10° 42' 58"	13+01.89 155.04 RT
61	PT/PC	11+73.59	55.29 RT	529.63	6"		
62	LP	11+73.94	52.98 RT	529.53	6"	L=27.41' R=146.54' Δ=10° 42' 58"	13+01.89 155.04 RT
63	PT/FL	11+71.57	51.34 RT	529.63	6"		
64	PC/FL	11+57.06	51.48 RT	530.09	6"	L=27.41' R=146.54' Δ=10° 42' 58"	13+01.89 155.04 RT
70	PC/FL	11+87.75	63.15 RT	529.29*	6" (APPROX)		
71	WING	11+84.84	66.88 RT	529.48	6"	L=27.41' R=146.54' Δ=10° 42' 58"	13+01.89 155.04 RT
72	LANDING	11+82.09	70.67 RT	529.67	0"		
73	LANDING	11+79.14	75.02 RT	529.75	0"	L=27.41' R=146.54' Δ=10° 42' 58"	13+01.89 155.04 RT
74	PT/WING	11+72.65	85.98 RT	530.45*	6" (APPROX)		

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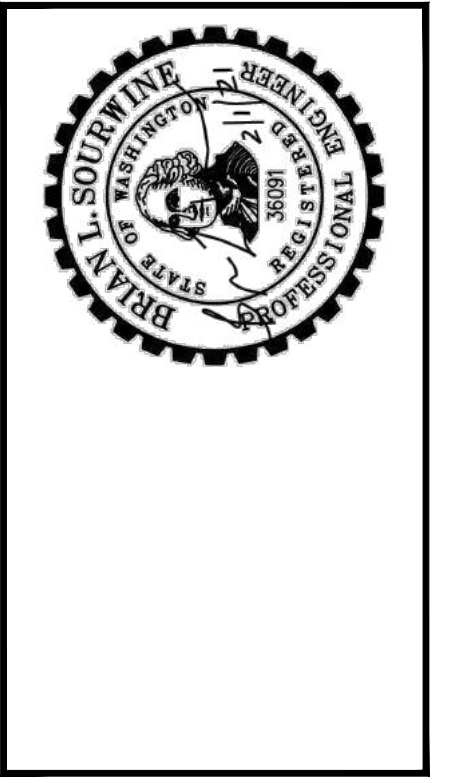
BROOM FINISH ON RAMPS/LANDINGS/SIDEWALK

Gray & Osborne, Inc.
CONSULTING ENGINEERS
1130 RAINIER AVENUE SOUTH, SUITE 300
SEATTLE, WASHINGTON 98144 • (206) 264-0860

DATE:	DRAWN:	CHECKED:	APPROVED:
FEB 2021	DRS	CNT	BLS

DATE	APPD

NO.	REVISION



CITY OF SAMMAMISH
KING COUNTY WASHINGTON
228TH AVENUE CURB RAMP RETROFIT AND CATCH BASIN REPAIRS
RAMP PLAN

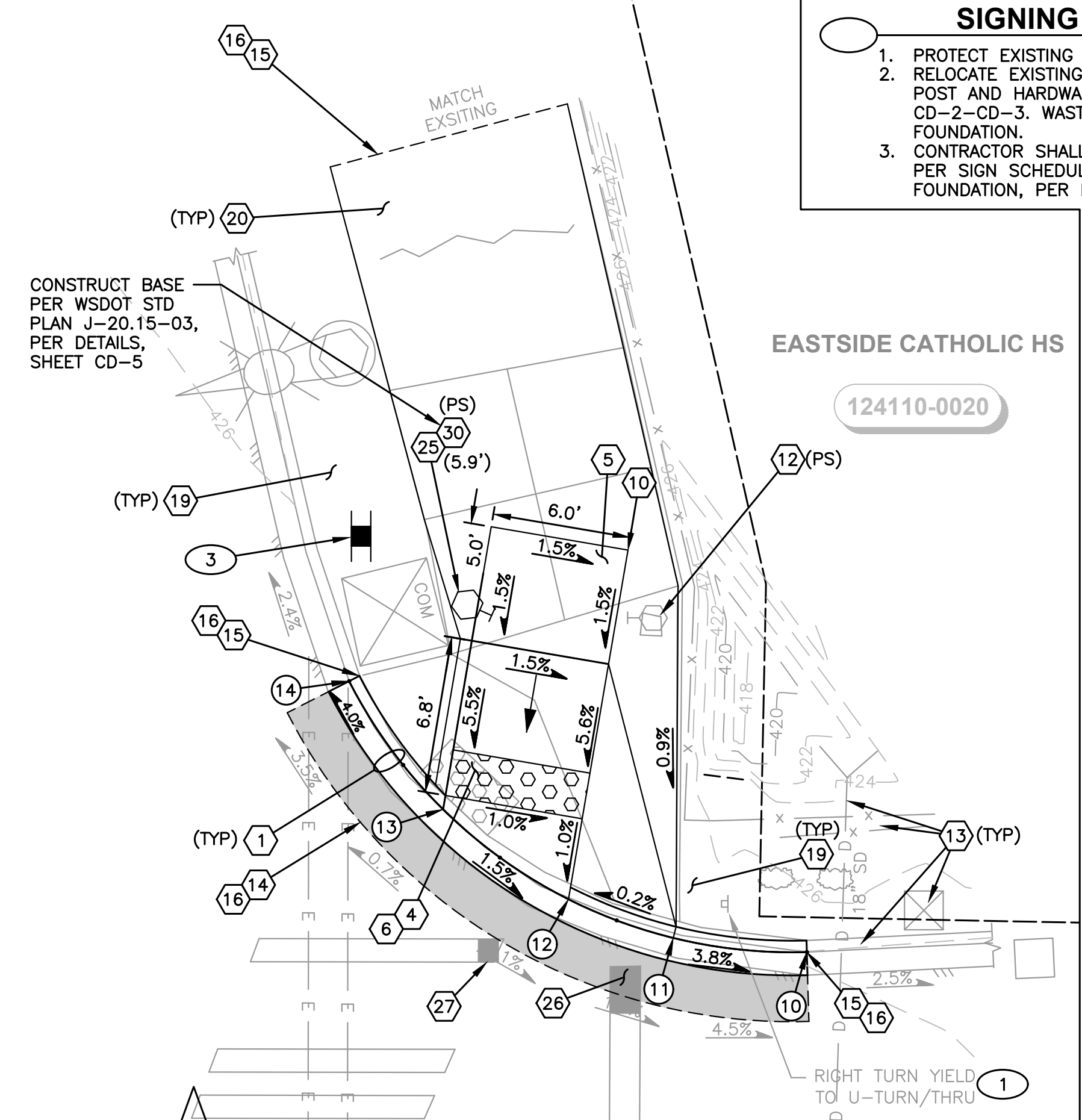
SHEET: **RP-3**
OF: **38**
JOB NO.: 20495
DWG: RP-1 RAMP PLAN

BROOM FINISH ON
RAMPS/LANDINGS/SIDEWALK

228TH AVE SE

228TH AVE SE

CRUSADER WAY

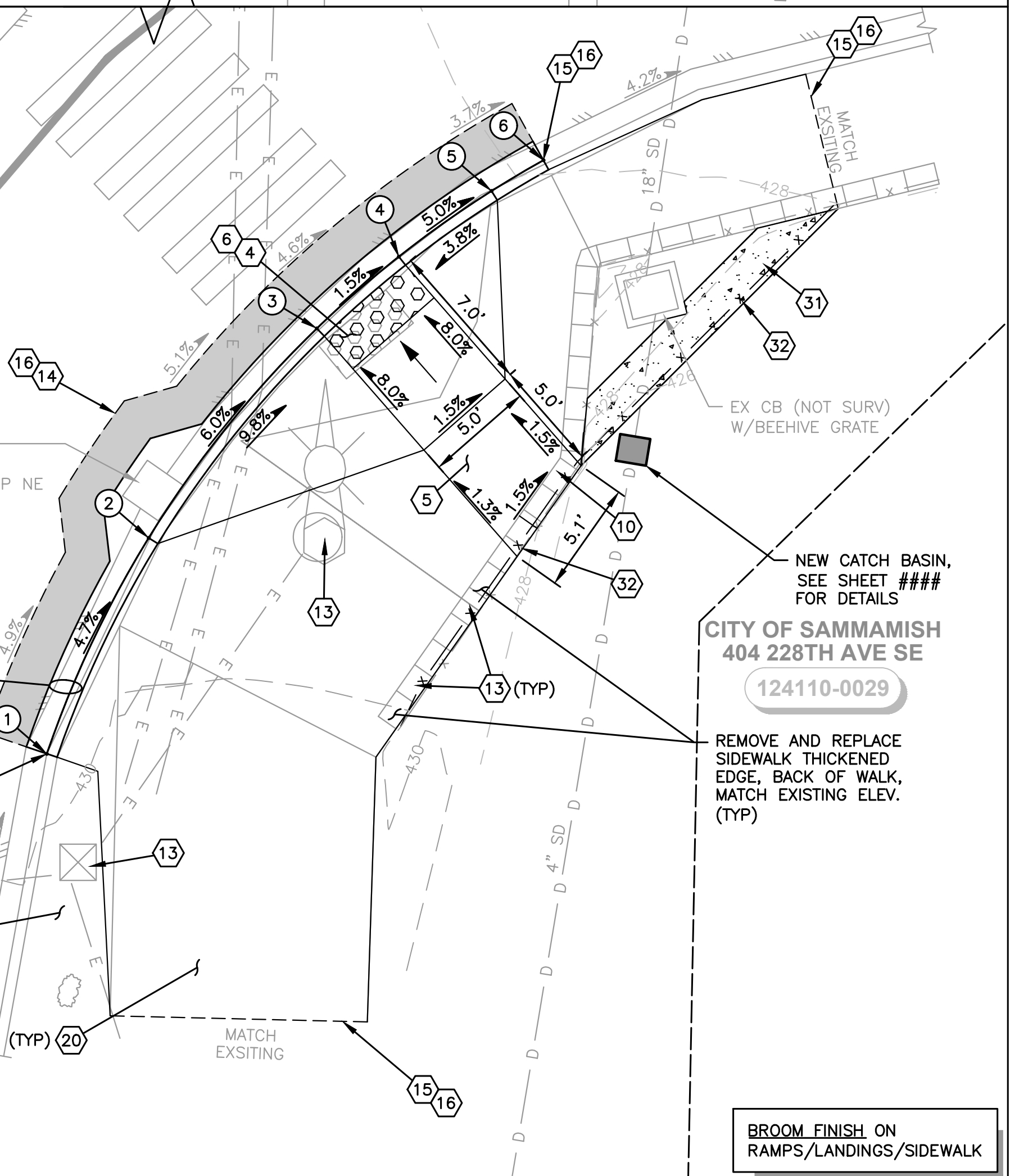
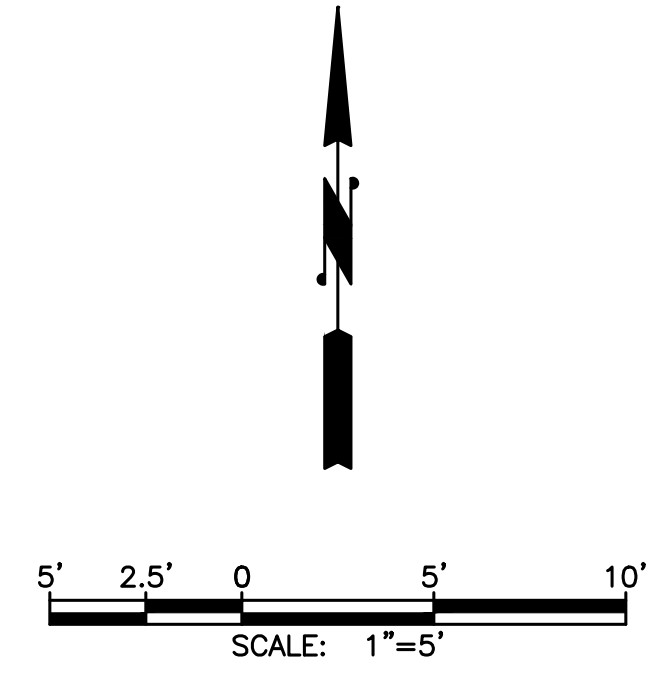


SIGNING NOTES

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3. CONTRACTOR SHALL FURNISH AND INSTALL NEW SIGN, PER SIGN SCHEDULE THIS SHEET, AND NEW POST AND FOUNDATION, PER DETAILS, SHEETS CD-2-CD-3.

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3. CONSTRUCTION AND CURB RAMP NOTES
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2. SINGLE DIRECTION CURB RAMP, PER DETAIL, SHEET RPD-3.
3. REMOVE AND WASTEHAUL EXISTING J-BOX, REPLACE AND RELOCATE J-BOX PER WSDOT STD. PLAN J-40.10-04. COORDINATE LOCATION WITH CONTRACTING AGENCY.
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10. PERPENDICULAR CURB RAMP, PER DETAIL, SHEET RPD-1.
11. MEDIAN CURB AND GUTTER, PER DETAIL, SHEET RD-2.
12. REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSH BUTTON AND POLE TO CONTRACTING AGENCY.
13. PROTECT EXISTING CURB, CURB & GUTTER, SIDEWALK, LUMINAIRE, WALL, VAULT, TREE, LANDSCAPING, SHRUB, MONUMENT, STORM STRUCTURE, STORM SYSTEM, IRRIGATION, FIRE HYDRANT, ROCKERY, UTILITIES, UTILITY POLE, JUNCTION BOX, PEDESTAL, SURVEY CONTROL POINT, ETC. DURING CONSTRUCTION.
14. SAWCUT EXISTING PAVEMENT PER FLEXIBLE PAVEMENT PATCHING DETAIL, SHEET RD-3, AND SEAL JOINT (WHERE APPLICABLE) THEN APPLY SAND BLANKET TO THE SURFACE JOINT.
15. SAWCUT EXISTING CURB/CURB & GUTTER/SIDEWALK TO NEAREST FULL JOINT (UNLESS DIRECTED OTHERWISE BY CONTRACTING AGENCY) AND PROVIDE CLEAN EDGE. CONTRACTOR SHALL REMOVE AND WASTEHAUL EXISTING CURB/GUTTER/SIDEWALK.
16. REMOVE AND WASTEHAUL EXISTING CURB, GUTTER, SIDEWALK, CONCRETE, PAVEMENT, WALL, FOUNDATION, ASPHALT PER THE SPECIFICATIONS.
17. ADJUST EXISTING VALVE BOX TO GRADE, PER VALVE BOX ADJUSTMENT DETAIL, SHEET SD-1.
18. ADJUST CATCH BASIN TO GRADE, PER DETAILS, SHEET SD-1.
19. PROVIDE PROPERTY RESTORATION TO ITS EXISTING CONDITIONS (4" TOPSOIL TYPE A WITH SOD, OR, 4" BARK MULCH, AS REQUIRED).
20. CEMENT CONCRETE SIDEWALK, PER CEMENT CONCRETE SIDEWALK AND SIDEWALK DETAILS, SHEET RD-1. MATCH EXISTING JOINT / SCORING PATTERN(S).
21. EXISTING UTILITY TO BE RELOCATED BY OTHERS. COORDINATE WORK WITH UTILITY REPRESENTATIVE. SEE GENERAL NOTE 2, SHEET G-1.
22. ADJUST EXISTING WATER METER TO GRADE.
23. ADJUST PEDESTRIAN PUSH BUTTON HEIGHT. PER DETAIL, SHEET CD-6.
24. ADJUST PEDESTRIAN PUSH BUTTON HORIZONTALLY. PER DETAIL, SHEET CD-6.
25. NEW PEDESTRIAN PUSH BUTTON AND POLE WITH BREAKAWAY ASSEMBLY, PER DETAIL SHEETS CD-6 AND CD-7. TYPE PS POLES NOTED ON PLANS WITH NOTE "(PS)". ALL OTHER PUSH BUTTON POLES TO BE TYPE PPB. DISTANCE FROM CENTERLINE OF POLE TO FACE OF CURB, MEASURED PERPENDICULAR TO THE CURB, IS NOTED ON THE PLANS IN PARENTHESIS.
26. FURNISH AND INSTALL PLASTIC STOP LINE, PER DETAIL, SHEET CD-1.
27. FURNISH AND INSTALL PLASTIC CROSSWALK MARKINGS, PER DETAIL, SHEET CD-1.
28. FURNISH AND INSTALL PAINTED 8" WIDE LINE, PER DETAIL, SHEET CD-1.
29. REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSH BUTTON TO CONTRACTING AGENCY. CAP HOLES AFTER REMOVAL PER SPECIFICATIONS.
30. CAUTION: POTENTIAL UTILITY CONFLICT. VERIFY (POTHOLE) EXACT LOCATION AND DEPTH OF EXISTING UTILITY. SEE ORDER OF WORK. PATCH POTHOLES IN EXISTING SIDEWALK WITH TEMPORARY HMA UPON COMPLETION OF POTHOLE WORK.
31. CONSTRUCT CAST-IN-PLACE WALL, PER DETAIL, SHEET RD-4.
32. CONSTRUCT BLACK VINYL CHAIN LINK FENCE, PER DETAIL, SHEET RD-4.
33. ADJUSTED EXISTING WATER VALVE TO GRADE, PER DETAIL, SHEET SD-1.



SIGN INSTALLATION SCHEDULE

ORIENTATION	NEW LOCATION	MESSAGE/DESCRIPTION
EAST AND WEST	STA. 25+39.50, 58.5' RT	R9-3 NO PEDESTRIAN CROSSING (SYMBOL) (18"x18") ONE ON EACH SIDE OF SIGN POST

228TH AVENUE SE AND CRUSADER WAY - NE CURB RETURN AND ADA RAMP TABLE

NUMBER	TYPE	STATION	OFFSET	FLOWLINE ELEVATION	CURB HEIGHT	DESCRIPTION	CENTER
10	PC	25+20.99	78.10 RT	425.97*	6" (APPROX)	L=24.27' R=21.50' Δ=64° 41' 04"	25+42.46 77.02 RT
11	WING	25+22.19	69.85 RT	426.19	6"		
12	RAMP	25+24.80	64.74 RT	426.38	0"		
13	HP/RAMP	25+28.72	60.48 RT	426.48	0"/6"		
14	PT	25+32.29	58.07 RT	426.20*	6" (APPROX)		

NOTE: ELEVATIONS WITH "*" CONTRACTOR SHALL MATCH EXISTING ELEVATIONS AT EXISTING CURB/SIDEWALK/ROADWAY TIE-INS. (APPROXIMATE ELEVATIONS LISTED).

228TH AVENUE SE AND CRUSADER WAY - SE CURB RETURN AND ADA RAMP TABLE

NUMBER	FL TYPE	STATION	OFFSET	FLOWLINE ELEVATION	CURB HEIGHT	DESCRIPTION	CENTER
1	PC	24+36.75	45.95 RT	429.69*	6" (APPROX)	L=36.67' R=50.00' Δ=42° 01' 30"	24+21.52 93.57 RT
2	WING	24+46.85	50.46 RT	429.17	6"		
3	RAMP	24+56.71	58.05 RT	428.42	0"		
4	RAMP	24+60.12	61.78 RT	428.34	0"		
5	WING	24+63.24	66.01 RT	428.08	6"		
6	PT	24+64.72	68.39 RT	427.94*	6" (APPROX)		

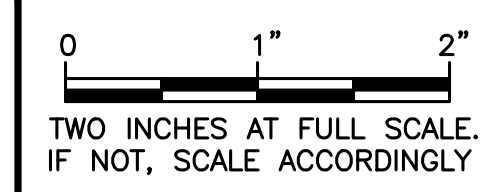
NOTE: ELEVATIONS WITH "*" CONTRACTOR SHALL MATCH EXISTING ELEVATIONS AT EXISTING CURB/SIDEWALK/ROADWAY TIE-INS. (APPROXIMATE ELEVATIONS LISTED).

BURIED UTILITIES IN AREA CALL BEFORE YOU DIG 1-811

EXISTING UTILITIES SHOWN ARE FROM THE BEST AVAILABLE INFORMATION AND NO GUARANTEE IS MADE AS TO THE EXACT SIZE, TYPE, LOCATION OR DEPTH

RIGHT-OF-WAY DISCLAIMER

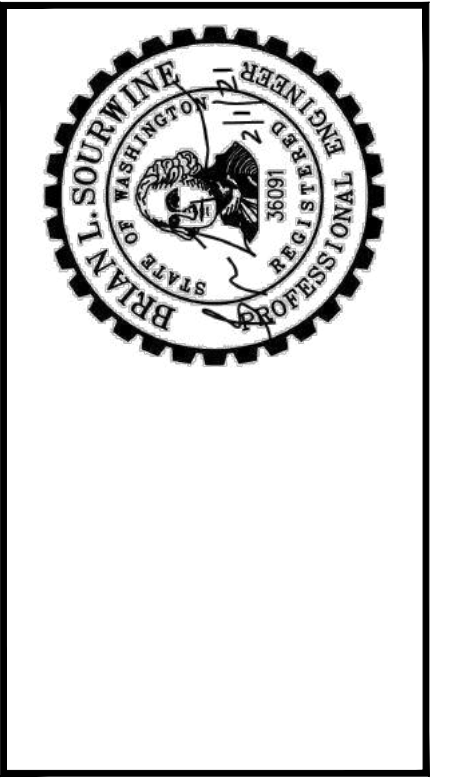
THE RIGHT-OF-WAY AND/OR PROPERTY LINES SHOWN HEREON ARE BASED ON AVAILABLE INFORMATION, NOT ON A SURVEYED LOCATION AND ARE ONLY APPROXIMATE.



Gray & Osborne, Inc.
CONSULTING ENGINEERS
1130 RAINIER AVENUE SOUTH, SUITE 300
SEATTLE, WASHINGTON 98144 • (206) 264-0860

DATE: FEB 2021	DRS	CNT	BLS
DRAWN:	CNT	APPROVED:	BLS

DATE	APPD
REVISION	No.



CITY OF SAMMAMISH
WASHINGTON
KING COUNTY
228TH AVENUE CURB RAMP RETROFIT AND CATCH BASIN REPAIRS
RAMP PLAN

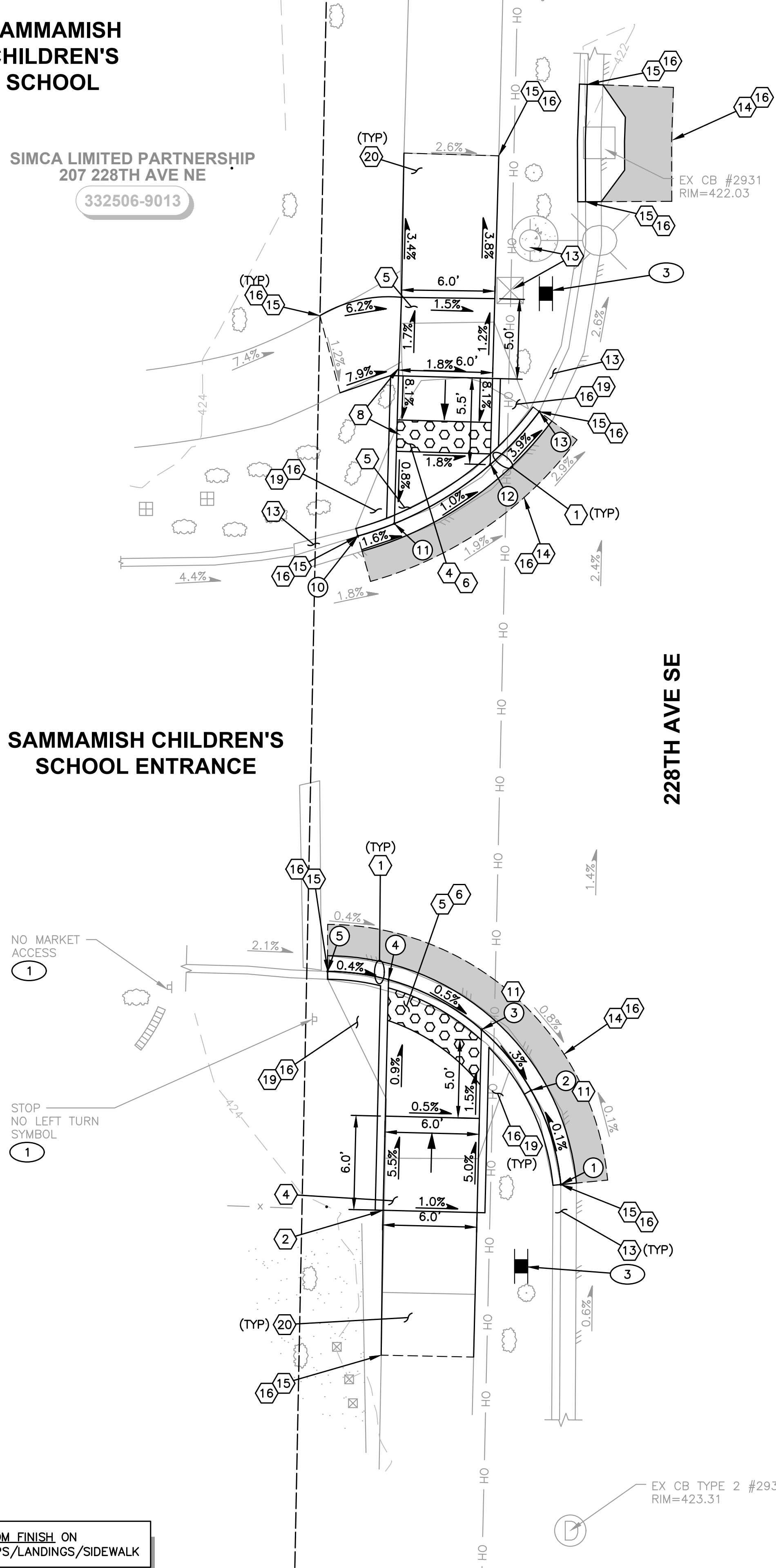
SHEET: **RP-4**
OF: **38**
JOB NO.: 20495
DWG: RP-4 RAMP PLAN

SAMMAMISH CHILDREN'S SCHOOL

SIMCA LIMITED PARTNERSHIP
207 228TH AVE NE
332506-9013

SAMMAMISH CHILDREN'S SCHOOL ENTRANCE

228TH AVE SE



SIGNING NOTES

1. PROTECT EXISTING SIGN DURING CONSTRUCTION.
2. RELOCATE EXISTING SIGN. FURNISH AND INSTALL NEW POST AND HARDWARE PER DETAILS, SHEETS CD-2-CD-3. WASTE HAUL EXISTING POST AND FOUNDATION.
3. CONTRACTOR SHALL FURNISH AND INSTALL NEW SIGN, PER SIGN SCHEDULE THIS SHEET, AND NEW POST AND FOUNDATION, PER DETAILS, SHEETS CD-2-CD-3.

GENERAL NOTES

1. ALL SIGN TYPES, COLORS, AND DIMENSIONS ARE STANDARD PER THE MUTCD, UNLESS OTHERWISE INDICATED.
2. CONTRACTING AGENCY SHALL CONFIRM CURB LAYOUT PRIOR TO INSTALLATION.
1. TYPE A CURB AND GUTTER, PER DETAIL, SHEET RD-2.
2. SINGLE DIRECTION CURB RAMP, PER DETAIL, SHEET RPD-3.
3. REMOVE AND WASTEHAUL EXISTING J-BOX, REPLACE AND RELOCATE J-BOX PER WSDOT STD. PLAN J-40.10-04. COORDINATE LOCATION WITH CONTRACTING AGENCY.
4. CURB RAMP. CROSS SLOPE SHALL NOT EXCEED 1.50% (UNLESS NOTED OTHERWISE ON PLANS).
5. LANDING. CROSS SLOPE SHALL NOT EXCEED 1.50% (UNLESS NOTED OTHERWISE ON PLANS).
6. DETECTABLE WARNING SURFACE (MODIFIED). SEE STANDARD PLAN F-45.10 ON SHEET RPD-2.
7. REMOVE AND WASTEHAUL EXISTING JUNCTION BOX, REPLACE WITH JUNCTION BOX PER WSDOT STD. PLAN J-40.10-04.
8. COMBINATION CURB RAMP, SEE STANDARD PLAN F-40.14 ON SHEET RPD-2.
9. PARALLEL CURB RAMP, PER DETAIL, SHEET RPD-1.
10. PERPENDICULAR CURB RAMP, PER DETAIL, SHEET RPD-1.
11. MEDIAN CURB AND GUTTER, PER DETAIL, SHEET RD-2.
12. REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSH BUTTON AND POLE TO CONTRACTING AGENCY.
13. PROTECT EXISTING CURB, CURB & GUTTER, SIDEWALK, LUMINAIRE, WALL, VAULT, TREE, LANDSCAPING, SHRUB, MONUMENT, STORM STRUCTURE, STORM SYSTEM, IRRIGATION, FIRE HYDRANT, ROCKERY, UTILITIES, UTILITY POLE, JUNCTION BOX, PEDESTAL, SURVEY CONTROL POINT, ETC. DURING CONSTRUCTION.
14. SAWCUT EXISTING PAVEMENT PER FLEXIBLE PAVEMENT PATCHING DETAIL, SHEET RD-3, AND SEAL JOINT (WHERE APPLICABLE) THEN APPLY SAND BLANKET TO THE SURFACE JOINT.
15. SAWCUT EXISTING CURB/CURB & GUTTER/SIDEWALK TO NEAREST FULL JOINT (UNLESS DIRECTED OTHERWISE BY CONTRACTING AGENCY) AND PROVIDE CLEAN EDGE. CONTRACTOR SHALL REMOVE AND WASTEHAUL EXISTING CURB/GUTTER/SIDEWALK.
16. REMOVE AND WASTEHAUL EXISTING CURB, GUTTER, SIDEWALK, CONCRETE, PAVEMENT, WALL, FOUNDATION, ASPHALT PER THE SPECIFICATIONS.
17. ADJUST EXISTING VALVE BOX TO GRADE, PER VALVE BOX ADJUSTMENT DETAIL, SHEET SD-1.
18. ADJUST CATCH BASIN TO GRADE, PER DETAILS, SHEET SD-1.
19. PROVIDE PROPERTY RESTORATION TO ITS EXISTING CONDITIONS (4" TOPSOIL TYPE A WITH SOD, OR, 4" BARK MULCH, AS REQUIRED).
20. CEMENT CONCRETE SIDEWALK, PER CEMENT CONCRETE SIDEWALK AND SIDEWALK DETAILS, SHEET RD-1. MATCH EXISTING JOINT / SCORING PATTERN(S).
21. EXISTING UTILITY TO BE RELOCATED BY OTHERS. COORDINATE WORK WITH UTILITY REPRESENTATIVE. SEE GENERAL NOTE 2, SHEET G-1.
22. ADJUST EXISTING WATER METER TO GRADE.
23. ADJUST PEDESTRIAN PUSH BUTTON HEIGHT. PER DETAIL, SHEET CD-6.
24. ADJUST PEDESTRIAN PUSH BUTTON HORIZONTALLY. PER DETAIL, SHEET CD-6.
25. NEW PEDESTRIAN PUSH BUTTON AND POLE WITH BREAKAWAY ASSEMBLY, PER DETAIL SHEETS CD-6 AND CD-7. TYPE PS POLES NOTED ON PLANS WITH NOTE "(PS)". ALL OTHER PUSH BUTTON POLES TO BE TYPE PPB. DISTANCE FROM CENTERLINE OF POLE TO FACE OF CURB, MEASURED PERPENDICULAR TO THE CURB, IS NOTED ON THE PLANS IN PARENTHESIS.
26. FURNISH AND INSTALL PLASTIC STOP LINE, PER DETAIL, SHEET CD-1.
27. FURNISH AND INSTALL PLASTIC CROSSWALK MARKINGS, PER DETAIL, SHEET CD-1.
28. FURNISH AND INSTALL PAINTED 8" WIDE LINE, PER DETAIL, SHEET CD-1.
29. REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSH BUTTON TO CONTRACTING AGENCY. CAP HOLES AFTER REMOVAL PER SPECIFICATIONS.
30. CAUTION: POTENTIAL UTILITY CONFLICT. VERIFY (POTHOLE) EXACT LOCATION AND DEPTH OF EXISTING UTILITY. SEE ORDER OF WORK. PATCH POTHOLES IN EXISTING SIDEWALK WITH TEMPORARY HMA UPON COMPLETION OF POT HOLE WORK.
31. CONSTRUCT CAST-IN-PLACE WALL, PER DETAIL, SHEET RD-4.
32. CONSTRUCT BLACK VINYL CHAIN LINK FENCE, PER DETAIL, SHEET RD-4.
33. ADJUSTED EXISTING WATER VALVE TO GRADE, PER DETAIL, SHEET SD-1.



SIGN INSTALLATION SCHEDULE

ORIENTATION	NEW LOCATION	MESSAGE/DESCRIPTION
EAST AND WEST	STA. 29+77.00, 26.8' LT	R9-3 NO PEDESTRIAN CROSSING (SYMBOL) (18"x18") ONE ON EACH SIDE OF SIGN POST
EAST AND WEST	STA. 29+15.00, 27.1' LT	R9-3 NO PEDESTRIAN CROSSING (SYMBOL) (18"x18") ONE ON EACH SIDE OF SIGN POST

**228TH AVENUE SE AND SAMMAMISH CHILDRENS SCHOOL ENTRANCE
NW CURB RETURN AND ADA RAMP TABLE**

NUMBER	TYPE	STATION	OFFSET	FLOWLINE ELEVATION	CURB HEIGHT	DESCRIPTION	CENTER
(10)	PC	29+61.31	38.48 LT	422.75*	6" (APPROX)	L=14.28' R=21.73' Δ=37° 39' 13"	29+84.58 -47.00 LT
(11)	LANDING	29+62.15	36.17 LT	422.71	6"/0"		
(12)	LANDING	29+66.03	30.14 LT	422.62	0"/6"		
(13)	PT	29+69.47	27.08 LT	422.46*	6" (APPROX)		

NOTE: ELEVATIONS WITH "*" CONTRACTOR SHALL MATCH EXISTING ELEVATIONS AT EXISTING CURB/SIDEWALK/ROADWAY TIE-INS. (APPROXIMATE ELEVATIONS LISTED).

**228TH AVENUE SE AND SAMMAMISH CHILDRENS SCHOOL ENTRANCE
SW CURB RETURN AND ADA RAMP TABLE**

NUMBER	TYPE	STATION	OFFSET	FLOWLINE ELEVATION	CURB HEIGHT	DESCRIPTION	CENTER
(1)	PC	29+20.26	24.69 LT	423.20*	6" (APPROX)	L=22.08' R=15.00' Δ=84° 20' 56"	29+18.53 -39.59 LT
(2)	LP/SPILL	29+26.22	26.71 LT	423.20	6"		
(3)	LANDING	29+30.02	29.95 LT	423.21	6"/0"		
(4)	LANDING	29+33.08	35.94 LT	423.24	0"/6"		
(5)	PT	29+33.53	39.83 LT	423.26*	6" (APPROX)		

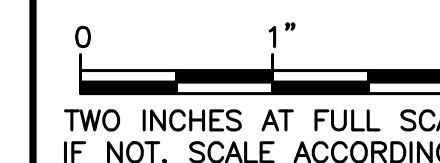
NOTE: ELEVATIONS WITH "*" CONTRACTOR SHALL MATCH EXISTING ELEVATIONS AT EXISTING CURB/SIDEWALK/ROADWAY TIE-INS. (APPROXIMATE ELEVATIONS LISTED).

**BURIED UTILITIES IN AREA
CALL BEFORE YOU DIG
1-811**

EXISTING UTILITIES SHOWN ARE FROM THE BEST AVAILABLE INFORMATION AND NO GUARANTEE IS MADE AS TO THE EXACT SIZE, TYPE, LOCATION OR DEPTH

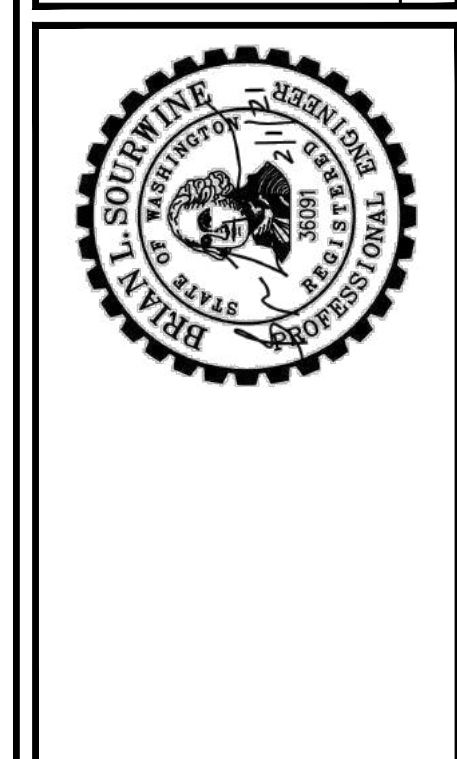
RIGHT-OF-WAY DISCLAIMER

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Gray & Osborne, Inc.
CONSULTING ENGINEERS
11130 RAINIER AVENUE SOUTH, SUITE 300
SEATTLE, WASHINGTON 98144 • (206) 264-0860

DATE: FEB 2021	DRAWN: DRS	CHECKED: CNT	APPROVED: BLS



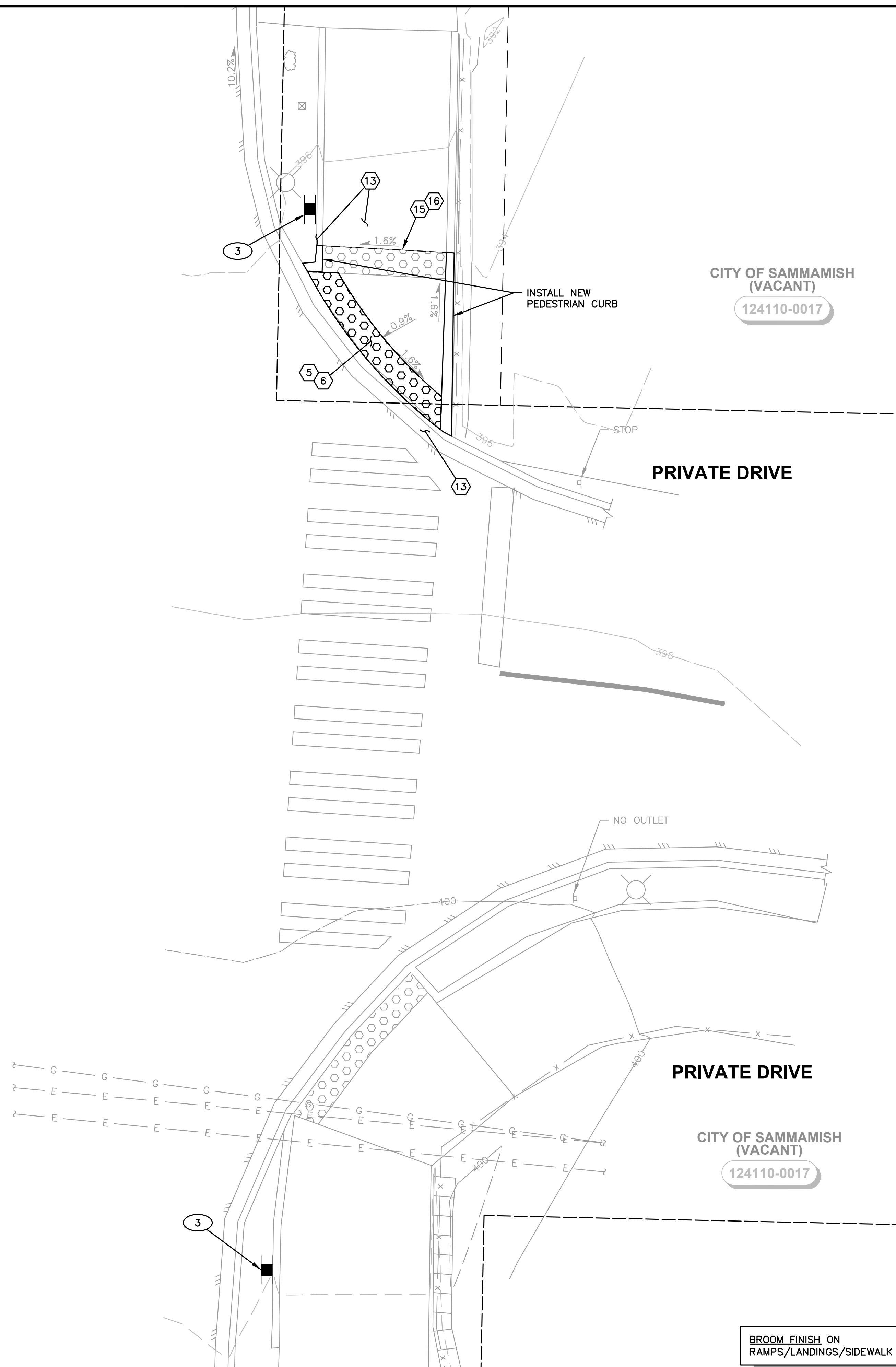
CITY OF SAMMAMISH
WASHINGTON
KING COUNTY
228TH AVENUE CURB RAMP RETROFIT AND CATCH BASIN REPAIRS
RAMP PLAN

SHEET: **RP-5**
OF: **38**
JOB NO.: 20495
DWG: RP-5 RAMP PLAN

M:\SAMMAM\20495 Task 7 228th Ave Ramps Phase 2\01 Design\Plans\Civil\RP-5 RAMP PLAN.dwg, 2/2/2021 9:34 AM, DAVID ROMAN-SANCHEZ

M:\SAMMAM\20495 Task 7 228th Ave Ramps Phase 2\01 Design\Planset\Civil\RP-6 RAMP PLAN.dwg, 2/2/2021 10:24 AM, DAVID ROMAN-SANCHEZ

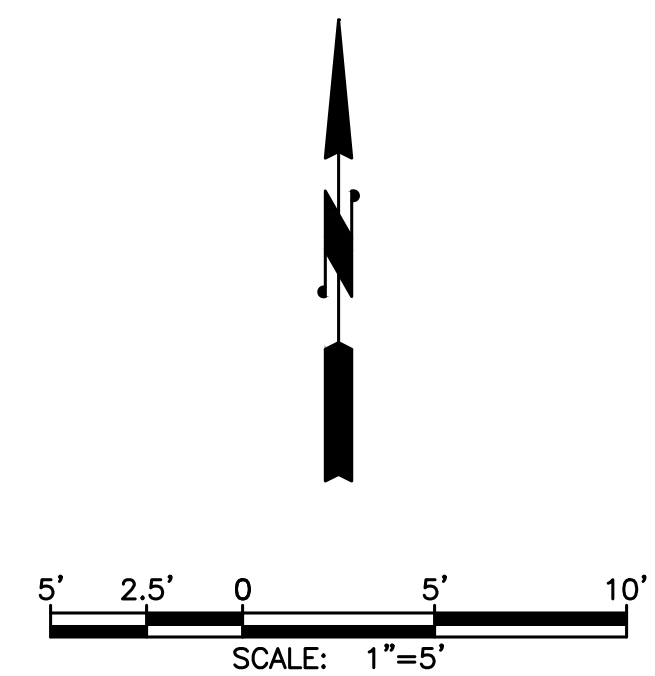
35+00



BROOM FINISH ON RAMP/LANDINGS/SIDEWALK

GENERAL NOTES

1. ALL SIGN TYPES, COLORS, AND DIMENSIONS ARE STANDARD PER THE MUTCD, UNLESS OTHERWISE INDICATED.
 2. CONTRACTING AGENCY SHALL CONFIRM CURB LAYOUT PRIOR TO INSTALLATION.
- CONSTRUCTION AND CURB RAMP NOTES**
1. TYPE A CURB AND GUTTER, PER DETAIL, SHEET RD-2.
 2. SINGLE DIRECTION CURB RAMP, PER DETAIL, SHEET RPD-3.
 3. REMOVE AND WASTEHAUL EXISTING J-BOX, REPLACE AND RELOCATE J-BOX PER WSDOT STD. PLAN J-40.10-04. COORDINATE LOCATION WITH CONTRACTING AGENCY.
 4. CURB RAMP. CROSS SLOPE SHALL NOT EXCEED 1.50% (UNLESS NOTED OTHERWISE ON PLANS).
 5. LANDING. CROSS SLOPE SHALL NOT EXCEED 1.50% (UNLESS NOTED OTHERWISE ON PLANS).
 6. DETECTABLE WARNING SURFACE (MODIFIED). SEE STANDARD PLAN F-45.10 ON SHEET RPD-2.
 7. REMOVE AND WASTEHAUL EXISTING JUNCTION BOX, REPLACE WITH JUNCTION BOX PER WSDOT STD. PLAN J-40.10-04.
 8. COMBINATION CURB RAMP, SEE STANDARD PLAN F-40.14 ON SHEET RPD-2.
 9. PARALLEL CURB RAMP, PER DETAIL, SHEET RPD-1.
 10. PERPENDICULAR CURB RAMP, PER DETAIL, SHEET RPD-1.
 11. MEDIAN CURB AND GUTTER, PER DETAIL, SHEET RD-2.
 12. REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSH BUTTON AND POLE TO CONTRACTING AGENCY.
 13. PROTECT EXISTING CURB, CURB & GUTTER, SIDEWALK, LUMINAIRE, WALL, VAULT, TREE, LANDSCAPING, SHRUB, MONUMENT, STORM STRUCTURE, STORM SYSTEM, IRRIGATION, FIRE HYDRANT, ROCKERY, UTILITIES, UTILITY POLE, JUNCTION BOX, PEDESTAL, SURVEY CONTROL POINT, ETC. DURING CONSTRUCTION.
 14. SAWCUT EXISTING PAVEMENT PER FLEXIBLE PAVEMENT PATCHING DETAIL, SHEET RD-3, AND SEAL JOINT (WHERE APPLICABLE) THEN APPLY SAND BLANKET TO THE SURFACE JOINT.
 15. SAWCUT EXISTING CURB/CURB & GUTTER/SIDEWALK TO NEAREST FULL JOINT (UNLESS DIRECTED OTHERWISE BY CONTRACTING AGENCY) AND PROVIDE CLEAN EDGE. CONTRACTOR SHALL REMOVE AND WASTEHAUL EXISTING CURB/GUTTER/SIDEWALK.
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 17. ADJUST EXISTING VALVE BOX TO GRADE, PER VALVE BOX ADJUSTMENT DETAIL, SHEET SD-1.
 18. ADJUST CATCH BASIN TO GRADE, PER DETAILS, SHEET SD-1.
 19. PROVIDE PROPERTY RESTORATION TO ITS EXISTING CONDITIONS (4" TOPSOIL TYPE A WITH SOD, OR, 4" BARK MULCH, AS REQUIRED).
 20. CEMENT CONCRETE SIDEWALK, PER CEMENT CONCRETE SIDEWALK AND SIDEWALK DETAILS, SHEET RD-1. MATCH EXISTING JOINT / SCORING PATTERN(S).
 21. EXISTING UTILITY TO BE RELOCATED BY OTHERS. COORDINATE WORK WITH UTILITY REPRESENTATIVE. SEE GENERAL NOTE 2, SHEET G-1.
 22. ADJUST EXISTING WATER METER TO GRADE.
 23. ADJUST PEDESTRIAN PUSH BUTTON HEIGHT. PER DETAIL, SHEET CD-6.
 24. ADJUST PEDESTRIAN PUSH BUTTON HORIZONTALLY. PER DETAIL, SHEET CD-6.
 25. NEW PEDESTRIAN PUSH BUTTON AND POLE WITH BREAKAWAY ASSEMBLY, PER DETAIL SHEETS CD-6 AND CD-7. TYPE PS POLES NOTED ON PLANS WITH NOTE "(PS)". ALL OTHER PUSH BUTTON POLES TO BE TYPE PPB. DISTANCE FROM CENTERLINE OF POLE TO FACE OF CURB, MEASURED PERPENDICULAR TO THE CURB, IS NOTED ON THE PLANS IN PARENTHESIS.
 26. FURNISH AND INSTALL PLASTIC STOP LINE, PER DETAIL, SHEET CD-1.
 27. FURNISH AND INSTALL PLASTIC CROSSWALK MARKINGS, PER DETAIL, SHEET CD-1.
 28. FURNISH AND INSTALL PAINTED 8" WIDE LINE, PER DETAIL, SHEET CD-1.
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 31. CONSTRUCT CAST-IN-PLACE WALL, PER DETAIL, SHEET RD-4.
 32. CONSTRUCT BLACK VINYL CHAIN LINK FENCE, PER DETAIL, SHEET RD-4.
 33. ADJUSTED EXISTING WATER VALVE TO GRADE, PER DETAIL, SHEET SD-1.



SIGNING NOTES

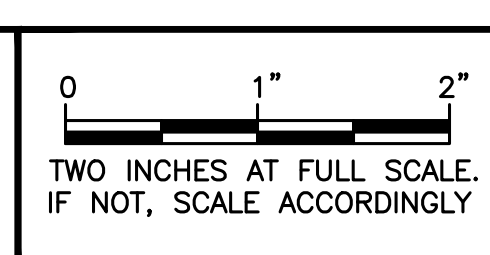
1. PROTECT EXISTING SIGN DURING CONSTRUCTION.
2. RELOCATE EXISTING SIGN. FURNISH AND INSTALL NEW POST AND HARDWARE PER DETAILS, SHEETS CD-2-CD-3. WASTE HAUL EXISTING POST AND FOUNDATION.
3. CONTRACTOR SHALL FURNISH AND INSTALL NEW SIGN, PER SIGN SCHEDULE THIS SHEET, AND NEW POST AND FOUNDATION, PER DETAILS, SHEETS CD-2-CD-3.

SIGN INSTALLATION SCHEDULE

ORIENTATION	NEW LOCATION	MESSAGE/DESCRIPTION
EAST AND WEST	STA. 34+34, 34.2' RT	R9-3 NO PEDESTRIAN CROSSING (SYMBOL) (18"x18") ONE ON EACH SIDE OF SIGN POST
EAST AND WEST	STA. 35+15, 35.8' RT	R9-3 NO PEDESTRIAN CROSSING (SYMBOL) (18"x18") ONE ON EACH SIDE OF SIGN POST

BURIED UTILITIES IN AREA CALL BEFORE YOU DIG 1-811
EXISTING UTILITIES SHOWN ARE FROM THE BEST AVAILABLE INFORMATION AND NO GUARANTEE IS MADE AS TO THE EXACT SIZE, TYPE, LOCATION OR DEPTH

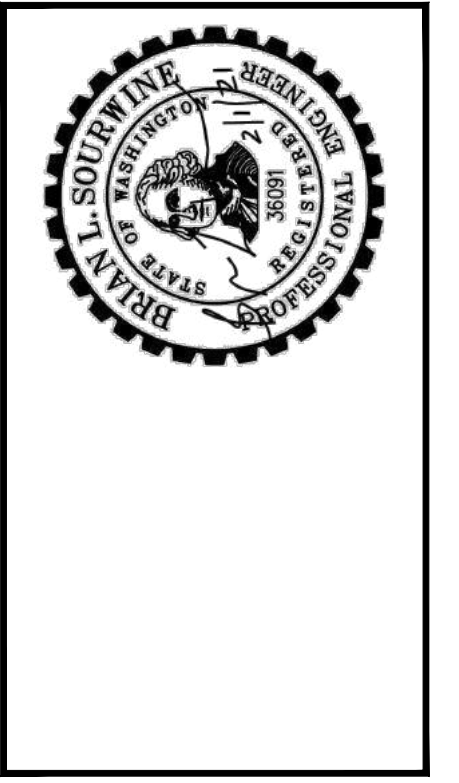
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SEATTLE, WASHINGTON 98144 • (206) 264-0860

DATE: FEB 2021	DRS	CNT	BLS
DRAWN:	CHECKED:	APPROVED:	

NO.	REVISION	DATE	APPD



CITY OF SAMMAMISH
KING COUNTY WASHINGTON
228TH AVENUE CURB RAMP RETROFIT AND CATCH BASIN REPAIRS
RAMP PLAN

SHEET: **RP-6**
OF: **38**
JOB NO.: 20495
DWG: RP-6 RAMP PLAN

MEF DOCUMENTATION ON FILE WITH CONTRACTING AGENCY

CENTRAL WASHINGTON UNIVERSITY

CITY OF SAMMAMISH
120 228TH AVE NE
342506-9017

MAIN STREET

BROOM FINISH ON RAMPS/LANDINGS/SIDEWALK

BROOM FINISH ON RAMPS/LANDINGS/SIDEWALK

MAIN STREET

HUSS DONNA R
22811 E MAIN DR
124110-0006

MEF DOCUMENTATION ON FILE WITH CONTRACTING AGENCY

SIGN INSTALLATION SCHEDULE

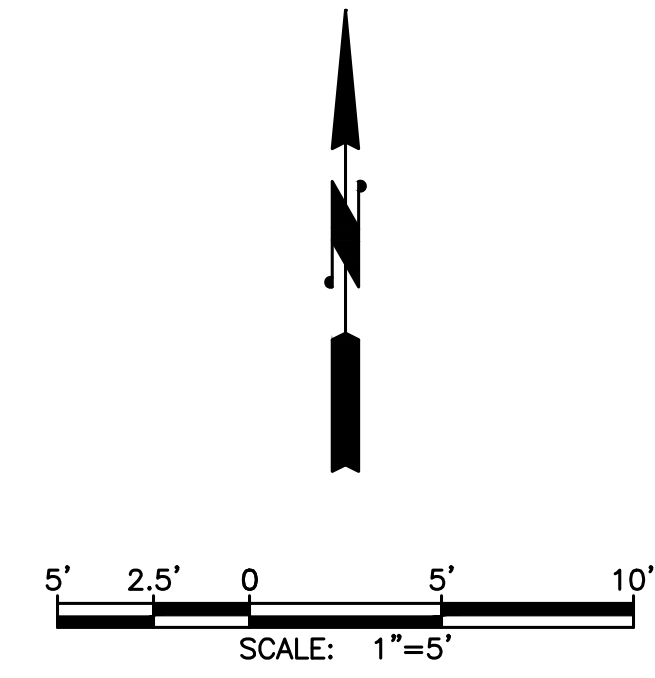
ORIENTATION	NEW LOCATION	MESSAGE/DESCRIPTION
EAST AND WEST	STA. 38+17, 28.2' RT	R9-3 NO PEDESTRIAN CROSSING (SYMBOL) (18"x18") ONE ON EACH SIDE OF SIGN POST

SIGNING NOTES

1. PROTECT EXISTING SIGN DURING CONSTRUCTION.
2. RELOCATE EXISTING SIGN. FURNISH AND INSTALL NEW POST AND HARDWARE PER DETAILS, SHEETS CD-2-CD-3. WASTE HAUL EXISTING POST AND FOUNDATION.
3. CONTRACTOR SHALL FURNISH AND INSTALL NEW SIGN, PER SIGN SCHEDULE THIS SHEET, AND NEW POST AND FOUNDATION, PER DETAILS, SHEETS CD-2-CD-3.

GENERAL NOTES

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2. CONTRACTING AGENCY SHALL CONFIRM CURB LAYOUT PRIOR TO INSTALLATION.
3. TYPE A CURB AND GUTTER, PER DETAIL, SHEET RD-2.
4. SINGLE DIRECTION CURB RAMP, PER DETAIL, SHEET RPD-3.
5. REMOVE AND WASTEHAUL EXISTING J-BOX, REPLACE AND RELOCATE J-BOX PER WSDOT STD. PLAN J-40.10-04. COORDINATE LOCATION WITH CONTRACTING AGENCY.
6. CURB RAMP. CROSS SLOPE SHALL NOT EXCEED 1.50% (UNLESS NOTED OTHERWISE ON PLANS).
7. LANDING. CROSS SLOPE SHALL NOT EXCEED 1.50% (UNLESS NOTED OTHERWISE ON PLANS).
8. DETECTABLE WARNING SURFACE (MODIFIED). SEE STANDARD PLAN F-45.10 ON SHEET RPD-2.
9. REMOVE AND WASTEHAUL EXISTING JUNCTION BOX, REPLACE WITH JUNCTION BOX PER WSDOT STD. PLAN J-40.10-04.
10. COMBINATION CURB RAMP, SEE STANDARD PLAN F-40.14 ON SHEET RPD-2.
11. PARALLEL CURB RAMP, PER DETAIL, SHEET RPD-1.
12. PERPENDICULAR CURB RAMP, PER DETAIL, SHEET RPD-1.
13. MEDIAN CURB AND GUTTER, PER DETAIL, SHEET RD-2.
14. REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSH BUTTON AND POLE TO CONTRACTING AGENCY.
15. PROTECT EXISTING CURB, CURB & GUTTER, SIDEWALK, LUMINAIRE, WALL, VAULT, TREE, LANDSCAPING, SHRUB, MONUMENT, STORM STRUCTURE, STORM SYSTEM, IRRIGATION, FIRE HYDRANT, ROCKERY, UTILITIES, UTILITY POLE, JUNCTION BOX, PEDESTAL, SURVEY CONTROL POINT, ETC. DURING CONSTRUCTION.
16. SAWCUT EXISTING PAVEMENT PER FLEXIBLE PAVEMENT PATCHING DETAIL, SHEET RD-3, AND SEAL JOINT (WHERE APPLICABLE) THEN APPLY SAND BLANKET TO THE SURFACE JOINT.
17. SAWCUT EXISTING CURB/CURB & GUTTER/SIDEWALK TO NEAREST FULL JOINT (UNLESS DIRECTED OTHERWISE BY CONTRACTING AGENCY) AND PROVIDE CLEAN EDGE. CONTRACTOR SHALL REMOVE AND WASTEHAUL EXISTING CURB/GUTTER/SIDEWALK.
18. REMOVE AND WASTEHAUL EXISTING CURB, GUTTER, SIDEWALK, CONCRETE, PAVEMENT, WALL, FOUNDATION, ASPHALT PER THE SPECIFICATIONS.
19. ADJUST EXISTING VALVE BOX TO GRADE, PER VALVE BOX ADJUSTMENT DETAIL, SHEET SD-1.
20. ADJUST CATCH BASIN TO GRADE, PER DETAILS, SHEET SD-1.
21. PROVIDE PROPERTY RESTORATION TO ITS EXISTING CONDITIONS (4" TOPSOIL TYPE A WITH SOD, OR, 4" BARK MULCH, AS REQUIRED).
22. CEMENT CONCRETE SIDEWALK, PER CEMENT CONCRETE SIDEWALK AND SIDEWALK DETAILS, SHEET RD-1. MATCH EXISTING JOINT / SCORING PATTERN(S).
23. EXISTING UTILITY TO BE RELOCATED BY OTHERS. COORDINATE WORK WITH UTILITY REPRESENTATIVE. SEE GENERAL NOTE 2, SHEET G-1.
24. ADJUST EXISTING WATER METER TO GRADE.
25. ADJUST PEDESTRIAN PUSH BUTTON HEIGHT. PER DETAIL, SHEET CD-6.
26. ADJUST PEDESTRIAN PUSH BUTTON HORIZONTALLY. PER DETAIL, SHEET CD-6.
27. NEW PEDESTRIAN PUSH BUTTON AND POLE WITH BREAKAWAY ASSEMBLY, PER DETAIL SHEETS CD-6 AND CD-7. TYPE PS POLES NOTED ON PLANS WITH NOTE "(PS)"; ALL OTHER PUSH BUTTON POLES TO BE TYPE PWB. DISTANCE FROM CENTERLINE OF POLE TO FACE OF CURB, MEASURED PERPENDICULAR TO THE CURB, IS NOTED ON THE PLANS IN PARENTHESIS.
28. FURNISH AND INSTALL PLASTIC STOP LINE, PER DETAIL, SHEET CD-1.
29. FURNISH AND INSTALL PLASTIC CROSSWALK MARKINGS, PER DETAIL, SHEET CD-1.
30. FURNISH AND INSTALL PAINTED 8" WIDE LINE, PER DETAIL, SHEET CD-1.
31. REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSH BUTTON TO CONTRACTING AGENCY. CAP HOLES AFTER REMOVAL PER SPECIFICATIONS.
32. CAUTION: POTENTIAL UTILITY CONFLICT. VERIFY (POTHOLE) EXACT LOCATION AND DEPTH OF EXISTING UTILITY. SEE ORDER OF WORK. PATCH POTHOLES IN EXISTING SIDEWALK WITH TEMPORARY HMA UPON COMPLETION OF POTHOLE WORK.
33. CONSTRUCT CAST-IN-PLACE WALL, PER DETAIL, SHEET RD-4.
34. CONSTRUCT BLACK VINYL CHAIN LINK FENCE, PER DETAIL, SHEET RD-4.
35. ADJUSTED EXISTING WATER VALVE TO GRADE, PER DETAIL, SHEET SD-1.



228TH AVENUE NE AND MAIN ST - NW CURB RETURN AND ADA RAMP TABLE

NUMBER	TYPE	STATION	OFFSET	FLOWLINE ELEVATION	CURB HEIGHT	DESCRIPTION	CENTER
(19)	FL	38+86.76	36.50 LT	366.26*	6" (APPROX)		
(20)	PC/FL	38+88.90	35.18 LT	366.14	6"		
(21)	LANDING	38+97.93	32.62 LT	365.57	0"/6"	L=10.53' R=20.00' Δ=30° 09' 56"	38+98.73 -52.60 LT
(22)	PT/LANDING	38+98.98	32.60 LT	365.53	0"		
(23)	LANDING	39+02.95	32.65 LT	365.37	0"/6"		
(24)	FL	39+06.78	32.70 LT	365.10*	6" (APPROX)		

228TH AVENUE NE AND MAIN ST - NE CURB RETURN AND ADA RAMP TABLE

NUMBER	TYPE	STATION	OFFSET	FLOWLINE ELEVATION	CURB HEIGHT	DESCRIPTION	CENTER
(8)	FL	38+76.66	70.12 RT	366.36*	6" (APPROX)		
(9)	PC/FL	38+76.65	67.95 RT	366.42	6"		
(10)	HP/FL	38+76.92	64.14 RT	366.53	6"		
(11)	LANDING	38+79.13	56.93 RT	366.25	0"/6"		
(12)	LANDING	38+81.80	52.58 RT	366.17	0"	L=32.92' R=25.00' Δ=75° 26' 59"	39+01.65 67.78 RT
(13)	WING	38+85.30	48.88 RT	365.97	6"		
(14)	WING	38+92.32	44.59 RT	365.68	6"		
(15)	PT/FL	38+95.21	43.63 RT	365.46	3" (APPROX)		
(16)	LANDING	38+99.08	42.60 RT	365.18	0"		
(17)	LANDING	39+03.92	41.31 RT	365.06	0"/6"		
(18)	FL	39+16.35	38.00 RT	364.23*	6" (APPROX)		

228TH AVENUE SE AND MAIN ST - SE CURB RETURN AND ADA RAMP TABLE

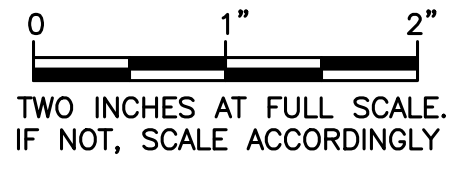
NUMBER	TYPE	STATION	OFFSET	FLOWLINE ELEVATION	CURB HEIGHT	DESCRIPTION	CENTER
(1)	PC/FL	38+16.58	26.05 RT	370.88*	6" (APPROX)		
(2)	WING	38+26.51	30.48 RT	370.06	6"		
(3)	Δ/FL	38+35.26	38.57 RT	369.08	2.5" (APPROX)		
(4)	LANDING	38+39.71	46.21 RT	368.31	0"	L=45.79' R=35.00' Δ=74° 57' 59"	38+07.47 59.85 RT
(5)	LANDING	38+41.49	51.61 RT	368.08	0"/6"		
(6)	PT	38+42.47	59.88 RT	367.50	6"		
(7)	FL	38+42.47	63.68 RT	367.26*	6" (APPROX)		

NOTE: ELEVATIONS WITH "*" CONTRACTOR SHALL MATCH EXISTING ELEVATIONS AT EXISTING CURB/SIDEWALK/ROADWAY TIE-INS. (APPROXIMATE ELEVATIONS LISTED).

NOTE: ELEVATIONS WITH "*" CONTRACTOR SHALL MATCH EXISTING ELEVATIONS AT EXISTING CURB/SIDEWALK/ROADWAY TIE-INS. (APPROXIMATE ELEVATIONS LISTED).

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RIGHT-OF-WAY DISCLAIMER
THE RIGHT-OF-WAY AND/OR PROPERTY LINES SHOWN HEREON ARE BASED ON AVAILABLE INFORMATION, NOT ON A SURVEYED LOCATION AND ARE ONLY APPROXIMATE.



Gray & Osborne, Inc.
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1130 RAINIER AVENUE SOUTH, SUITE 300
SEATTLE, WASHINGTON 98144 • (206) 264-0860

DATE	DRAWN	CHECKED	APPROVED
FEB 2021	DRS	CNT	BLS

DATE	APPD

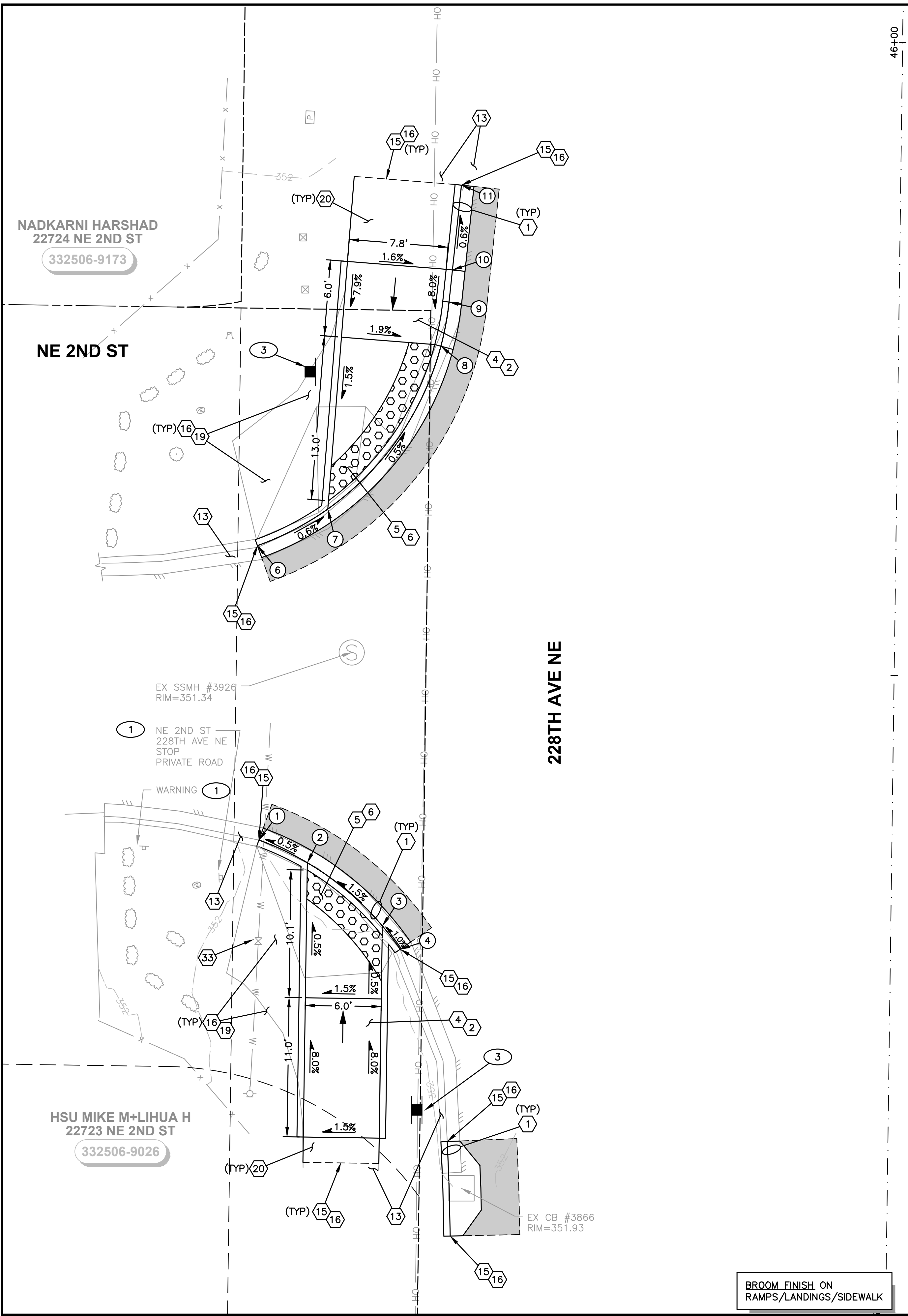
REVISION	DATE

CITY OF SAMMAMISH
KING COUNTY WASHINGTON
228TH AVENUE CURB RAMP RETROFIT AND CATCH BASIN REPAIRS
RAMP PLAN

SHEET: **RP-7**
OF: **38**
JOB NO.: 20495
DWG: RP-7 RAMP PLAN

M:\SAMMAM\20495 Task 7 228th Ave Ramps Phase 2\01 Design\PlanSet\Civil\RP-7 RAMP PLAN.dwg, 2/2/2021 10:20 AM, DAVID ROMAN-SANCHEZ

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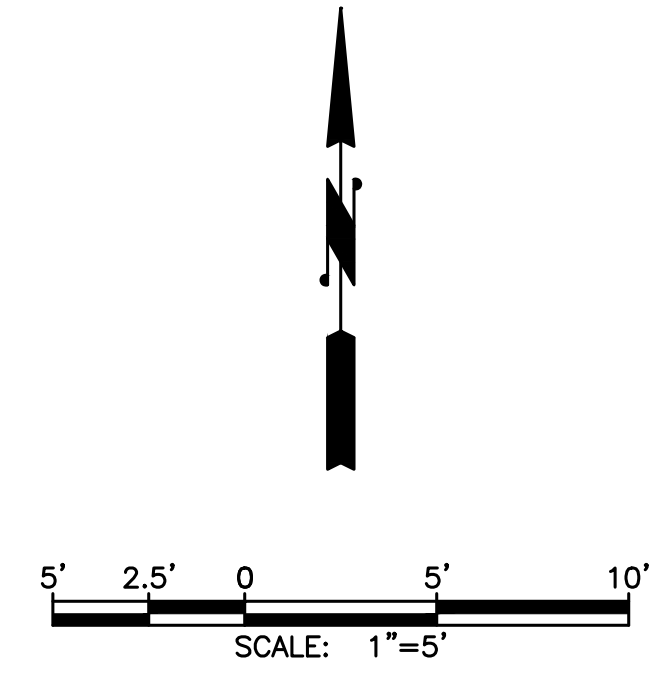
BROOM FINISH ON RAMP/LANDINGS/SIDEWALK

SIGNING NOTES

1. PROTECT EXISTING SIGN DURING CONSTRUCTION. RELOCATE EXISTING SIGN. FURNISH AND INSTALL NEW POST AND HARDWARE PER DETAILS, SHEETS CD-2-CD-3. WASTE HAUL EXISTING POST AND FOUNDATION.
2. CONTRACTOR SHALL FURNISH AND INSTALL NEW SIGN, PER SIGN SCHEDULE THIS SHEET, AND NEW POST AND FOUNDATION, PER DETAILS, SHEETS CD-2-CD-3.

GENERAL NOTES

1. ALL SIGN TYPES, COLORS, AND DIMENSIONS ARE STANDARD PER THE MUTCD, UNLESS OTHERWISE INDICATED.
2. CONTRACTING AGENCY SHALL CONFIRM CURB LAYOUT PRIOR TO INSTALLATION.
1. TYPE A CURB AND GUTTER, PER DETAIL, SHEET RD-2.
2. SINGLE DIRECTION CURB RAMP, PER DETAIL, SHEET RPD-3.
3. REMOVE AND WASTEHAUL EXISTING J-BOX, REPLACE AND RELOCATE J-BOX PER WSDOT STD. PLAN J-40.10-04. COORDINATE LOCATION WITH CONTRACTING AGENCY.
4. CURB RAMP. CROSS SLOPE SHALL NOT EXCEED 1.50% (UNLESS NOTED OTHERWISE ON PLANS).
5. LANDING. CROSS SLOPE SHALL NOT EXCEED 1.50% (UNLESS NOTED OTHERWISE ON PLANS).
6. DETECTABLE WARNING SURFACE (MODIFIED). SEE STANDARD PLAN F-45.10 ON SHEET RPD-2.
7. REMOVE AND WASTEHAUL EXISTING JUNCTION BOX, REPLACE WITH JUNCTION BOX PER WSDOT STD. PLAN J-40.10-04.
8. COMBINATION CURB RAMP, SEE STANDARD PLAN F-40.14 ON SHEET RPD-2.
9. PARALLEL CURB RAMP, PER DETAIL, SHEET RPD-1.
10. PERPENDICULAR CURB RAMP, PER DETAIL, SHEET RPD-1.
11. MEDIAN CURB AND GUTTER, PER DETAIL, SHEET RD-2.
12. REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSH BUTTON AND POLE TO CONTRACTING AGENCY.
13. PROTECT EXISTING CURB, CURB & GUTTER, SIDEWALK, LUMINAIRE, WALL, VAULT, TREE, LANDSCAPING, SHRUB, MONUMENT, STORM STRUCTURE, STORM SYSTEM, IRRIGATION, FIRE HYDRANT, ROCKERY, UTILITIES, UTILITY POLE, JUNCTION BOX, PEDESTAL, SURVEY CONTROL POINT, ETC. DURING CONSTRUCTION.
14. SAWCUT EXISTING PAVEMENT PER FLEXIBLE PAVEMENT PATCHING DETAIL, SHEET RD-3, AND SEAL JOINT (WHERE APPLICABLE) THEN APPLY SAND BLANKET TO THE SURFACE JOINT.
15. SAWCUT EXISTING CURB/CURB & GUTTER/SIDEWALK TO NEAREST FULL JOINT (UNLESS DIRECTED OTHERWISE BY CONTRACTING AGENCY) AND PROVIDE CLEAN EDGE. CONTRACTOR SHALL REMOVE AND WASTEHAUL EXISTING CURB/GUTTER/SIDEWALK.
16. REMOVE AND WASTEHAUL EXISTING CURB, GUTTER, SIDEWALK, CONCRETE, PAVEMENT, WALL, FOUNDATION, ASPHALT PER THE SPECIFICATIONS.
17. ADJUST EXISTING VALVE BOX TO GRADE, PER VALVE BOX ADJUSTMENT DETAIL, SHEET SD-1.
18. ADJUST CATCH BASIN TO GRADE, PER DETAILS, SHEET SD-1.
19. PROVIDE PROPERTY RESTORATION TO ITS EXISTING CONDITIONS (4" TOPSOIL TYPE A WITH SOD, OR, 4" BARK MULCH, AS REQUIRED).
20. CEMENT CONCRETE SIDEWALK, PER CEMENT CONCRETE SIDEWALK AND SIDEWALK DETAILS, SHEET RD-1. MATCH EXISTING JOINT / SCORING PATTERN(S).
21. EXISTING UTILITY TO BE RELOCATED BY OTHERS. COORDINATE WORK WITH UTILITY REPRESENTATIVE. SEE GENERAL NOTE 2, SHEET G-1.
22. ADJUST EXISTING WATER METER TO GRADE.
23. ADJUST PEDESTRIAN PUSH BUTTON HEIGHT. PER DETAIL, SHEET CD-6.
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30. CAUTION: POTENTIAL UTILITY CONFLICT. VERIFY (POTHOLE) EXACT LOCATION AND DEPTH OF EXISTING UTILITY. SEE ORDER OF WORK. PATCH POTHOLES IN EXISTING SIDEWALK WITH TEMPORARY HMA UPON COMPLETION OF POTHOLE WORK.
31. CONSTRUCT CAST-IN-PLACE WALL, PER DETAIL, SHEET RD-4.
32. CONSTRUCT BLACK VINYL CHAIN LINK FENCE, PER DETAIL, SHEET RD-4.
33. ADJUSTED EXISTING WATER VALVE TO GRADE, PER DETAIL, SHEET SD-1.



SIGN INSTALLATION SCHEDULE

ORIENTATION	NEW LOCATION	MESSAGE/DESCRIPTION
EAST AND WEST	STA. 45+73, 46.4' LT	R9-3 NO PEDESTRIAN CROSSING (SYMBOL) (18"x18")
EAST AND WEST	STA. 45+15, 37.3' LT	R9-3 NO PEDESTRIAN CROSSING (SYMBOL) (18"x18") ONE ON EACH SIDE OF SIGN POST

228TH AVENUE NE AND NE 2ND ST - NW CURB RETURN AND ADA RAMP TABLE

NUMBER	TYPE	STATION	OFFSET	FLOWLINE ELEVATION	CURB HEIGHT	DESCRIPTION	CENTER
6	PC/FL	45+59.58	50.44 LT	351.20*	6" (APPROX)	L=25.82' R=23.00' Δ=64' 19' 19"	45+81.14 -58.46 LT
7	LANDING	45+62.55	44.92 LT	351.24	0"/6"		
8	LANDING	45+75.53	36.16 LT	351.16	0"		
9	PT/FL	45+79.03	35.56 LT	351.14	3" (APPROX)		
10	RAMP	45+81.57	35.33 LT	351.12	6"		
11	FL	45+88.28	34.71 LT	351.08*	6" (APPROX)		

NOTE: ELEVATIONS WITH "*" CONTRACTOR SHALL MATCH EXISTING ELEVATIONS AT EXISTING CURB/SIDEWALK/ROADWAY TIE-INS. (APPROXIMATE ELEVATIONS LISTED).

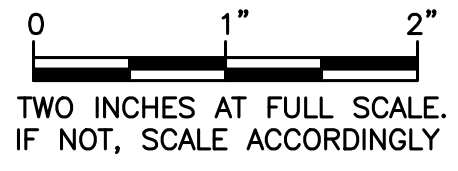
228TH AVENUE NE AND NE 2ND ST - SW CURB RETURN AND ADA RAMP TABLE

NUMBER	TYPE	STATION	OFFSET	FLOWLINE ELEVATION	CURB HEIGHT	DESCRIPTION	CENTER
1	PC/FL	45+36.33	50.01 LT	351.58*	6" (APPROX)	L=14.34' R=23.00' Δ=35' 42' 42"	45+14.59 -57.53 LT
2	LANDING	45+34.59	46.16 LT	351.60	0"/6"		
3	LANDING	45+29.68	40.17 LT	351.72	0"/6"		
4	PT/FL	45+27.86	38.74 LT	351.74*	6" (APPROX)		

NOTE: ELEVATIONS WITH "*" CONTRACTOR SHALL MATCH EXISTING ELEVATIONS AT EXISTING CURB/SIDEWALK/ROADWAY TIE-INS. (APPROXIMATE ELEVATIONS LISTED).

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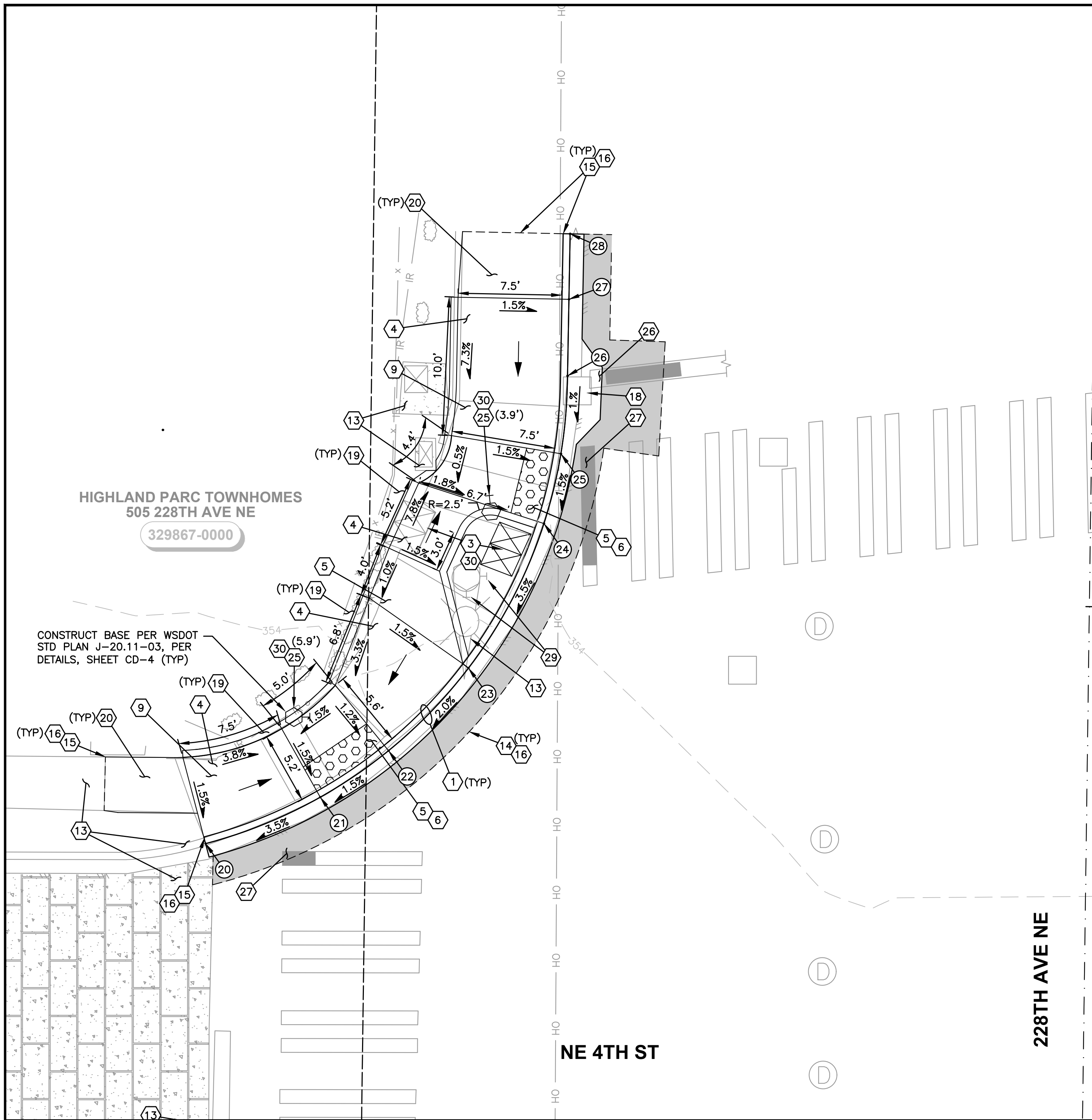
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REVISION	DATE	APPD	
No.			



CITY OF SAMMAMISH
KING COUNTY WASHINGTON
228TH AVENUE CURB RAMP RETROFIT AND CATCH BASIN REPAIRS
RAMP PLAN

SHEET: **RP-8**
OF: **38**
JOB NO.: 20495
DWG: RP-8 RAMP PLAN

M:\SAMMAM\20495 Task 7 228th Ave Ramps Phase 2\01 Design\Planset\Civil\RP-9 RAMP PLAN.dwg, 2/2/2021 9:43 AM, DAVID ROMAN-SANCHEZ

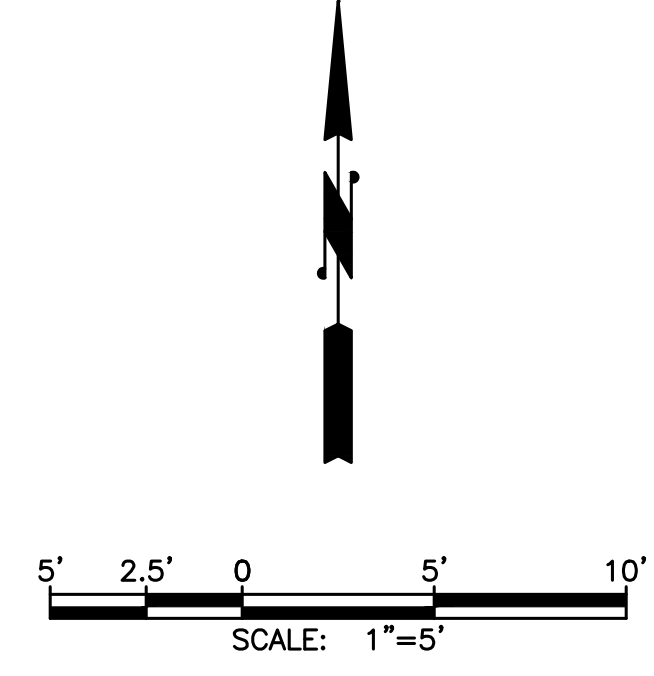


SIGNING NOTES

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4. CURB RAMP. CROSS SLOPE SHALL NOT EXCEED 1.50% (UNLESS NOTED OTHERWISE ON PLANS).
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23. ADJUST PEDESTRIAN PUSH BUTTON HEIGHT. PER DETAIL, SHEET CD-6.
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26. FURNISH AND INSTALL PLASTIC STOP LINE, PER DETAIL, SHEET CD-1.
27. FURNISH AND INSTALL PLASTIC CROSSWALK MARKINGS, PER DETAIL, SHEET CD-1.
28. FURNISH AND INSTALL PAINTED 8" WIDE LINE, PER DETAIL, SHEET CD-1.
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30. CAUTION: POTENTIAL UTILITY CONFLICT. VERIFY (POTHOLE) EXACT LOCATION AND DEPTH OF EXISTING UTILITY. SEE ORDER OF WORK. PATCH POTHOLES IN EXISTING SIDEWALK WITH TEMPORARY HMA UPON COMPLETION OF POT HOLE WORK.
31. CONSTRUCT CAST-IN-PLACE WALL, PER DETAIL, SHEET RD-4.
32. CONSTRUCT BLACK VINYL CHAIN LINK FENCE, PER DETAIL, SHEET RD-4.
33. ADJUSTED EXISTING WATER VALVE TO GRADE, PER DETAIL, SHEET SD-1.



228TH AVENUE SE AND NE 4TH ST - NW CURB RETURN AND ADA RAMP TABLE

NUMBER	TYPE	STATION	OFFSET	FLOWLINE ELEVATION	CURB HEIGHT	DESCRIPTION	CENTER
20	RAMP/PC	52+32.05	63.52 LT	353.04*	6" (APPROX)	L=45.33' R=35.00' Δ=74' 12" 04"	52+61.85 -67.00 LT
21	LANDING	52+35.51	55.29 LT	353.35	0"		
22	LANDING	52+38.94	50.41 LT	353.44	0"		
23	RAMP	52+44.97	44.73 LT	353.61	3"/6"		
24	LANDING	52+55.47	39.42 LT	354.02	6"/0"		
25	LANDING	52+60.52	38.27 LT	354.10	0"		
26	PT	52+66.14	37.86 LT	354.20	3" (APPROX)		
27	RAMP	52+71.66	37.83 LT	354.30	6"		
28	FL	52+76.39	37.81 LT	354.38*	6" (APPROX)		

NOTE: ELEVATIONS WITH "*" CONTRACTOR SHALL MATCH EXISTING ELEVATIONS AT EXISTING CURB/SIDEWALK/ROADWAY TIE-INS. (APPROXIMATE ELEVATIONS LISTED).

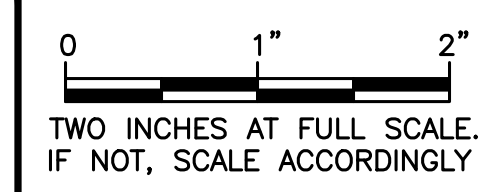
BROOM FINISH ON RAMPS/LANDINGS/SIDEWALK

BURIED UTILITIES IN AREA CALL BEFORE YOU DIG 1-811

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RIGHT-OF-WAY DISCLAIMER

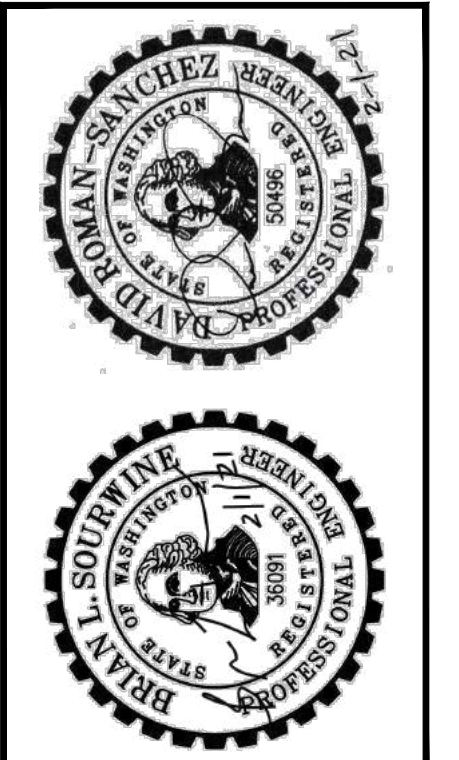
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Gray & Osborne, Inc.
CONSULTING ENGINEERS
1130 RAINIER AVENUE SOUTH, SUITE 300
SEATTLE, WASHINGTON 98144 • (206) 264-0860

DATE: FEB 2021	DRS	CNT	BLS
DRAWN:	CNT	CNT	BLS
CHECKED:	CNT	CNT	BLS
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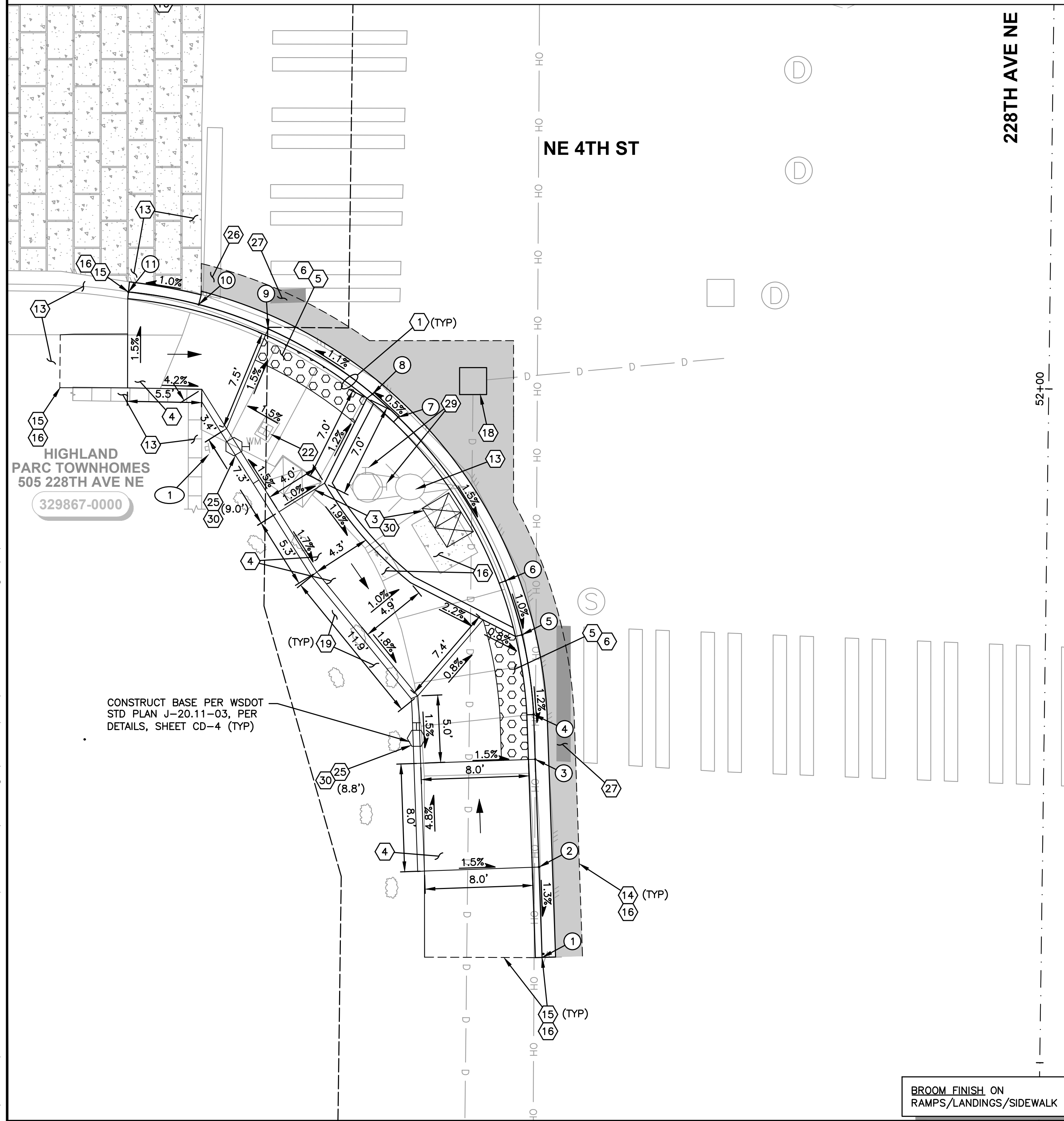
NO.	REVISION	DATE	APPD



CITY OF SAMMAMISH
KING COUNTY WASHINGTON
228TH AVENUE CURB RAMP RETROFIT AND CATCH BASIN REPAIRS
RAMP PLAN

SHEET: **RP-9**
OF: **38**
JOB NO.: 20495
DWG: RP-9 RAMP PLAN

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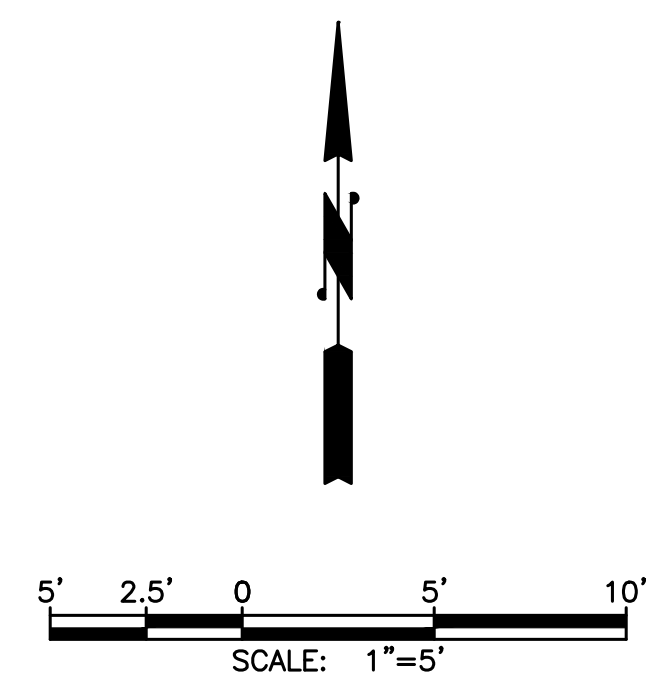


SIGNING NOTES

1. PROTECT EXISTING SIGN DURING CONSTRUCTION. RELOCATE EXISTING SIGN. FURNISH AND INSTALL NEW POST AND HARDWARE PER DETAILS, SHEETS CD-2-CD-3. WASTE HAUL EXISTING POST AND FOUNDATION.
2. CONTRACTOR SHALL FURNISH AND INSTALL NEW SIGN, PER SIGN SCHEDULE THIS SHEET, AND NEW POST AND FOUNDATION, PER DETAILS, SHEETS CD-2-CD-3.

GENERAL NOTES

1. ALL SIGN TYPES, COLORS, AND DIMENSIONS ARE STANDARD PER THE MUTCD, UNLESS OTHERWISE INDICATED.
2. CONTRACTING AGENCY SHALL CONFIRM CURB LAYOUT PRIOR TO INSTALLATION.
1. TYPE A CURB AND GUTTER, PER DETAIL, SHEET RD-2.
2. SINGLE DIRECTION CURB RAMP, PER DETAIL, SHEET RPD-3.
3. REMOVE AND WASTEHAUL EXISTING J-BOX, REPLACE AND RELOCATE J-BOX PER WSDOT STD. PLAN J-40.10-04. COORDINATE LOCATION WITH CONTRACTING AGENCY.
4. CURB RAMP. CROSS SLOPE SHALL NOT EXCEED 1.50% (UNLESS NOTED OTHERWISE ON PLANS).
5. LANDING. CROSS SLOPE SHALL NOT EXCEED 1.50% (UNLESS NOTED OTHERWISE ON PLANS).
6. DETECTABLE WARNING SURFACE (MODIFIED). SEE STANDARD PLAN F-45.10 ON SHEET RPD-2.
7. REMOVE AND WASTEHAUL EXISTING JUNCTION BOX, REPLACE WITH JUNCTION BOX PER WSDOT STD. PLAN J-40.10-04.
8. COMBINATION CURB RAMP, SEE STANDARD PLAN F-40.14 ON SHEET RPD-2.
9. PARALLEL CURB RAMP, PER DETAIL, SHEET RPD-1.
10. PERPENDICULAR CURB RAMP, PER DETAIL, SHEET RPD-1.
11. MEDIAN CURB AND GUTTER, PER DETAIL, SHEET RD-2.
12. REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSH BUTTON AND POLE TO CONTRACTING AGENCY.
13. PROTECT EXISTING CURB, CURB & GUTTER, SIDEWALK, LUMINAIRE, WALL, VAULT, TREE, LANDSCAPING, SHRUB, MONUMENT, STORM STRUCTURE, STORM SYSTEM, IRRIGATION, FIRE HYDRANT, ROCKERY, UTILITIES, UTILITY POLE, JUNCTION BOX, PEDESTAL, SURVEY CONTROL POINT, ETC. DURING CONSTRUCTION.
14. SAWCUT EXISTING PAVEMENT PER FLEXIBLE PAVEMENT PATCHING DETAIL, SHEET RD-3, AND SEAL JOINT (WHERE APPLICABLE) THEN APPLY SAND BLANKET TO THE SURFACE JOINT.
15. SAWCUT EXISTING CURB/CURB & GUTTER/SIDEWALK TO NEAREST FULL JOINT (UNLESS DIRECTED OTHERWISE BY CONTRACTING AGENCY) AND PROVIDE CLEAN EDGE. CONTRACTOR SHALL REMOVE AND WASTEHAUL EXISTING CURB/GUTTER/SIDEWALK.
16. REMOVE AND WASTEHAUL EXISTING CURB, GUTTER, SIDEWALK, CONCRETE, PAVEMENT, WALL, FOUNDATION, ASPHALT PER THE SPECIFICATIONS.
17. ADJUST EXISTING VALVE BOX TO GRADE, PER VALVE BOX ADJUSTMENT DETAIL, SHEET SD-1.
18. ADJUST CATCH BASIN TO GRADE, PER DETAILS, SHEET SD-1.
19. PROVIDE PROPERTY RESTORATION TO ITS EXISTING CONDITIONS (4" TOPSOIL TYPE A WITH SOD, OR, 4" BARK MULCH, AS REQUIRED).
20. CEMENT CONCRETE SIDEWALK, PER CEMENT CONCRETE SIDEWALK AND SIDEWALK DETAILS, SHEET RD-1. MATCH EXISTING JOINT / SCORING PATTERN(S).
21. EXISTING UTILITY TO BE RELOCATED BY OTHERS. COORDINATE WORK WITH UTILITY REPRESENTATIVE. SEE GENERAL NOTE 2, SHEET G-1.
22. ADJUST EXISTING WATER METER TO GRADE.
23. ADJUST PEDESTRIAN PUSH BUTTON HEIGHT. PER DETAIL, SHEET CD-6.
24. ADJUST PEDESTRIAN PUSH BUTTON HORIZONTALLY. PER DETAIL, SHEET CD-6.
25. NEW PEDESTRIAN PUSH BUTTON AND POLE WITH BREAKAWAY ASSEMBLY, PER DETAIL SHEETS CD-6 AND CD-7. TYPE PS POLES NOTED ON PLANS WITH NOTE "(PS)". ALL OTHER PUSH BUTTON POLES TO BE TYPE PPB. DISTANCE FROM CENTERLINE OF POLE TO FACE OF CURB, MEASURED PERPENDICULAR TO THE CURB, IS NOTED ON THE PLANS IN PARENTHESIS.
26. FURNISH AND INSTALL PLASTIC STOP LINE, PER DETAIL, SHEET CD-1.
27. FURNISH AND INSTALL PLASTIC CROSSWALK MARKINGS, PER DETAIL, SHEET CD-1.
28. FURNISH AND INSTALL PAINTED 8" WIDE LINE, PER DETAIL, SHEET CD-1.
29. REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSH BUTTON TO CONTRACTING AGENCY. CAP HOLES AFTER REMOVAL PER SPECIFICATIONS.
30. CAUTION: POTENTIAL UTILITY CONFLICT. VERIFY (POTHOLE) EXACT LOCATION AND DEPTH OF EXISTING UTILITY. SEE ORDER OF WORK. PATCH POTHOLES IN EXISTING SIDEWALK WITH TEMPORARY HMA UPON COMPLETION OF POTHOLE WORK.
31. CONSTRUCT CAST-IN-PLACE WALL, PER DETAIL, SHEET RD-4.
32. CONSTRUCT BLACK VINYL CHAIN LINK FENCE, PER DETAIL, SHEET RD-4.
33. ADJUSTED EXISTING WATER VALVE TO GRADE, PER DETAIL, SHEET SD-1.



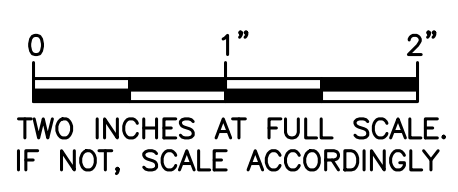
228TH AVENUE SE AND NE 4TH ST - SW CURB RETURN AND ADA RAMP TABLE

NUMBER	TYPE	STATION	OFFSET	FLOWLINE ELEVATION	CURB HEIGHT	DESCRIPTION	CENTER
1	FL	51+57.58	36.93 LT	352.10*	6" (APPROX)		
2	WING	51+64.02	37.34 LT	352.18	6"		
3	LANDING	51+72.01	37.73 LT	352.29	0"		
4	PC/LANDING	51+75.33	37.89 LT	352.34	0"		
5	LANDING	51+81.23	38.83 LT	352.41	0"/6"		
6	WING/REC	51+85.22	40.11 LT	352.45	6"		
7	WING/REC	51+97.26	48.23 LT	352.67	6"		
8	LANDING	51+98.95	50.16 LT	352.66	0"/6"		
9	LANDING	52+03.67	57.96 LT	352.52	0"		
10	FL/WING	52+05.42	63.14 LT	352.56*	3" (APPROX)		
11	PT/WING	52+06.28	68.36 LT	352.45*	6" (APPROX)		

NOTE: ELEVATIONS WITH "*" CONTRACTOR SHALL MATCH EXISTING ELEVATIONS AT EXISTING CURB/SIDEWALK/ROADWAY TIE-INS. (APPROXIMATE ELEVATIONS LISTED).

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NO.	REVISION	DATE	APPD

BRIAN ROMAN-SANCHEZ
REGISTERED PROFESSIONAL ENGINEER
STATE OF WASHINGTON
NO. 35986

BRIAN SOUTHWINE
REGISTERED PROFESSIONAL ENGINEER
STATE OF WASHINGTON
NO. 36508

CITY OF SAMMAMISH
KING COUNTY WASHINGTON
228TH AVENUE CURB RAMP RETROFIT AND CATCH BASIN REPAIRS
RAMP PLAN

SHEET: **RP-10**
OF: **38**
JOB NO.: 20495
DWG: RP-9 RAMP PLAN

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228TH AVENUE NE

52+00

51+50

NE 4TH ST

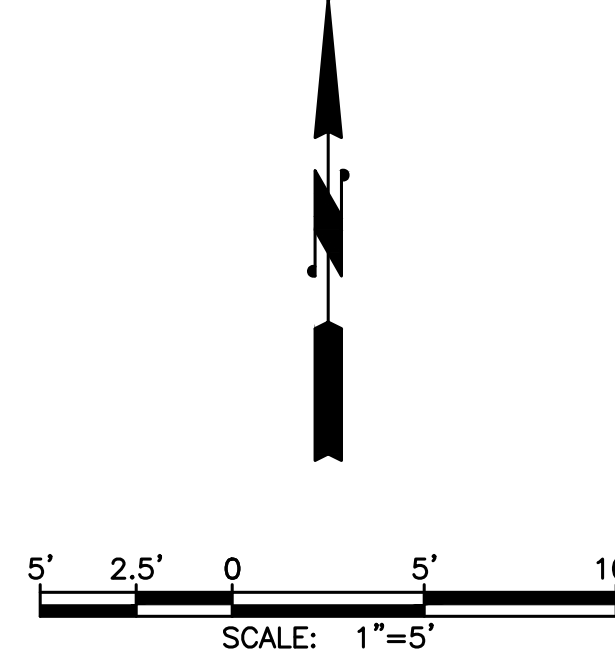
KIRKLAND J & M LLC
336 228TH AVE NE
342506-9039

CONSTRUCT BASE
PER WSDOT STD
PLAN J-20.15-03,
PER DETAILS,
SHEET CD-5 (TYP)

BROOM FINISH ON
RAMPS/LANDINGS/SIDEWALK

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228TH AVENUE NE AND NE 4TH ST - SE CURB RETURN AND ADA RAMP TABLE

NUMBER	TYPE	STATION	OFFSET	FLOWLINE ELEVATION	CURB HEIGHT	DESCRIPTION	CENTER
1	PC/FL	51+57.57	30.37 RT	352.27*	6" (APPROX)	L=51.08' R=35.00' Δ=83° 36' 41"	51+53.35 65.11 RT
2	WING	51+66.84	32.82 RT	352.31	6"		
3	LANDING	51+72.23	35.64 RT	352.34	0"		
4	LANDING	51+76.29	38.68 RT	352.42	0"		
5	WING	51+80.53	43.06 RT	352.52	6"		
6	WING	51+83.79	47.83 RT	352.62	6"		
7	LANDING	51+86.32	53.36 RT	352.72	0"		
8	LANDING	51+87.67	58.25 RT	352.80	0"		
9	WING	51+88.34	64.31 RT	352.83	6"		
10	PT/FL	51+88.35	65.43 RT	352.84*	6"		

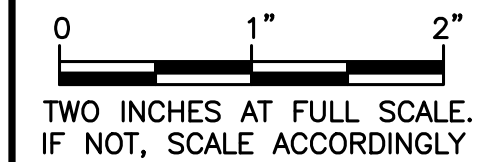
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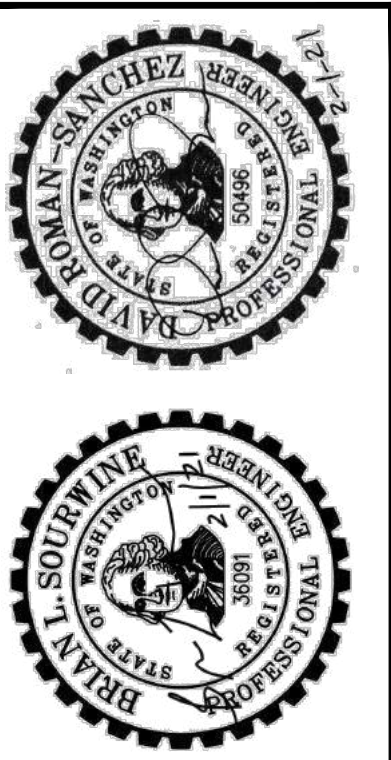
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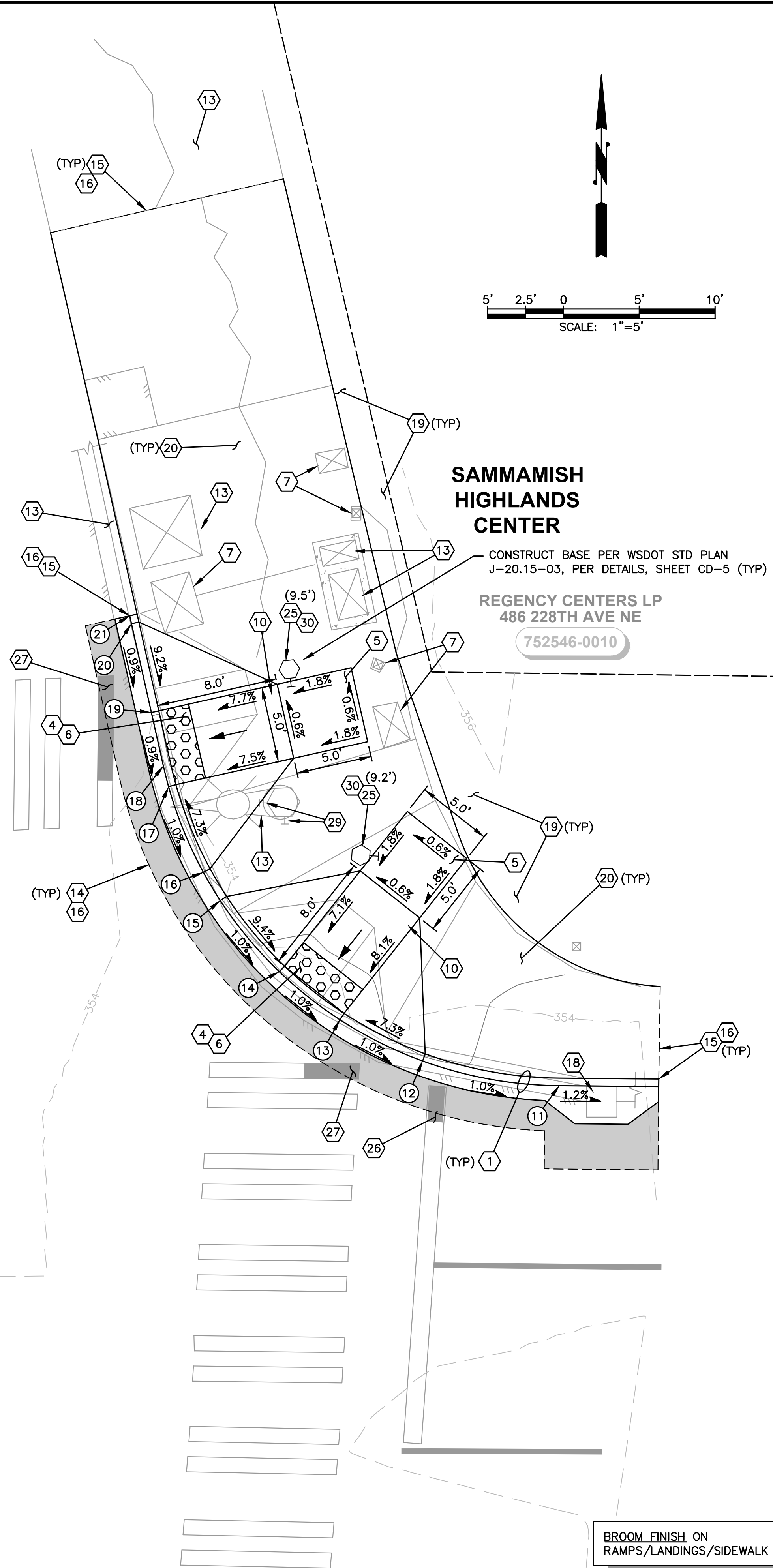
CITY OF SAMMAMISH
KING COUNTY WASHINGTON
**228TH AVENUE CURB RAMP RETROFIT
AND CATCH BASIN REPAIRS**
RAMP PLAN

SHEET: **RP-11**
OF: **38**
JOB NO.: 20495
DWG:RP-11 RAMP PLAN

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228TH AVE NE

NE 4TH ST



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228TH AVENUE NE AND NE 4TH ST - NE CURB RETURN AND ADA RAMP TABLE

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(12)	WING	52+44.49	67.16 RT	353.69	6"		
(13)	LANDING	52+47.14	61.67 RT	353.76	0"		
(14)	LANDING	52+50.25	57.63 RT	353.81	0"		
(15)	WING	52+54.89	53.67 RT	353.87	6"		
(16)	WING	52+56.74	52.54 RT	353.89	6"		
(17)	LANDING	52+62.36	50.17 RT	353.96	0"		
(18)	PT/LANDING	52+63.72	49.80 RT	353.97	0"		
(19)	LANDING	52+67.24	48.96 RT	354.00	0"		
(20)	WING	52+73.08	47.57 RT	354.06	6"		
(21)	FL	52+73.60	47.45 RT	354.06*	6" (APPROX)		

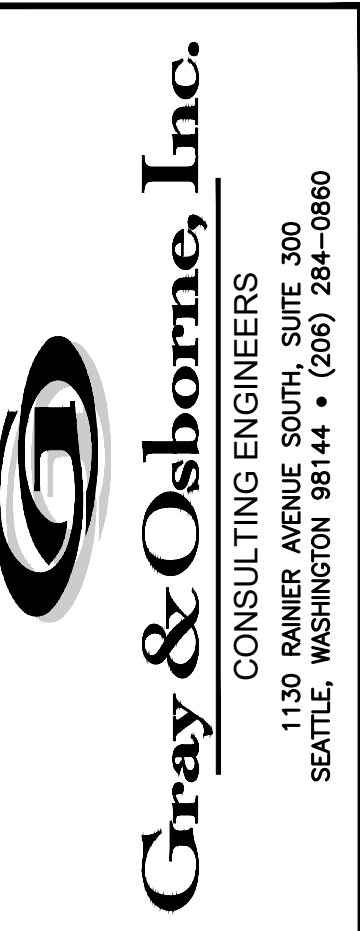
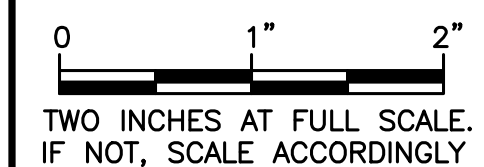
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BURIED UTILITIES IN AREA CALL BEFORE YOU DIG 1-811

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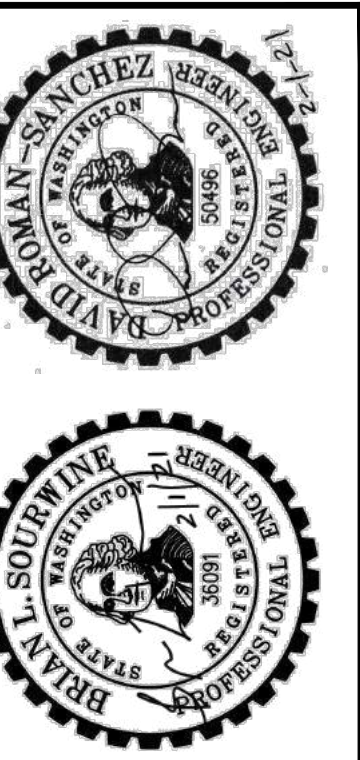
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DATE: FEB 2021	DRS	CNT	BLS
DRAWN:	CNT	CHECKED:	BLS

DATE	APPD
REVISION	No.

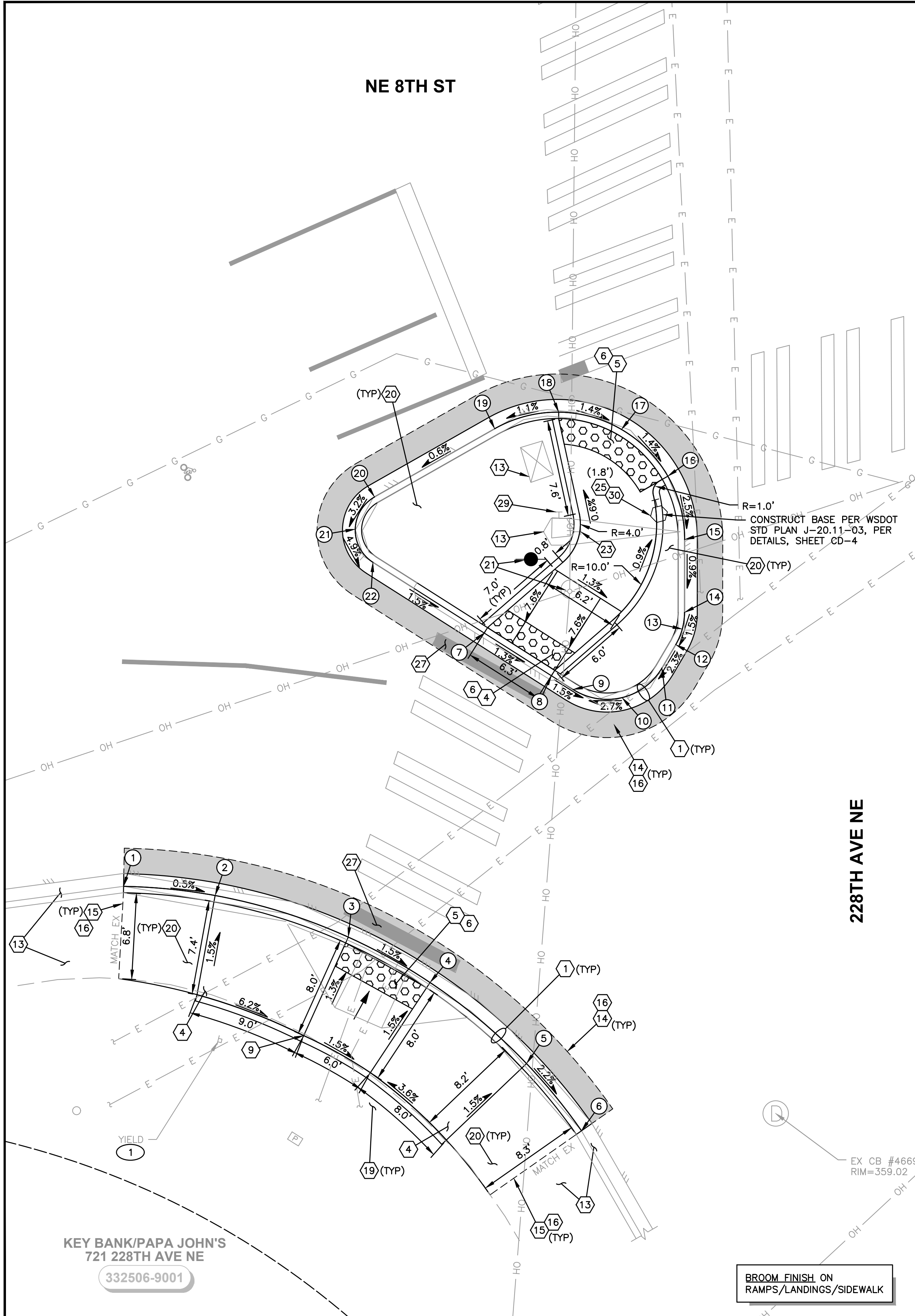


CITY OF SAMMAMISH
KING COUNTY WASHINGTON
228TH AVENUE CURB RAMP RETROFIT AND CATCH BASIN REPAIRS
RAMP PLAN

SHEET: **RP-12**
OF: **38**
JOB NO.: 20495
DWG: RP-11 RAMP PLAN

NE 8TH ST

228TH AVE NE



KEY BANK/PAPA JOHN'S
721 228TH AVE NE
332506-9001

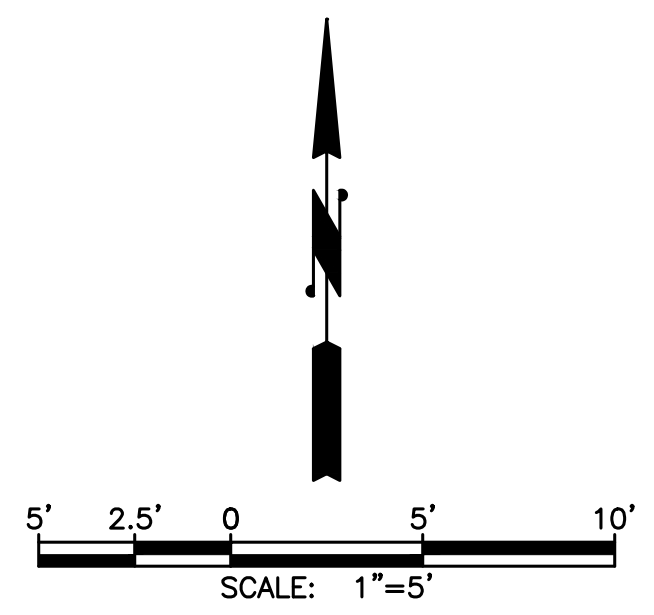
BROOM FINISH ON
RAMPS/LANDINGS/SIDEWALK

SIGNING NOTES

1. PROTECT EXISTING SIGN DURING CONSTRUCTION.
2. RELOCATE EXISTING SIGN. FURNISH AND INSTALL NEW POST AND HARDWARE PER DETAILS, SHEETS CD-2-CD-3. WASTE HAUL EXISTING POST AND FOUNDATION.
3. CONTRACTOR SHALL FURNISH AND INSTALL NEW SIGN, PER SIGN SCHEDULE THIS SHEET, AND NEW POST AND FOUNDATION, PER DETAILS, SHEETS CD-2-CD-3.

GENERAL NOTES

1. ALL SIGN TYPES, COLORS, AND DIMENSIONS ARE STANDARD PER THE MUTCD, UNLESS OTHERWISE INDICATED.
2. CONTRACTING AGENCY SHALL CONFIRM CURB LAYOUT PRIOR TO INSTALLATION.
1. TYPE A CURB AND GUTTER, PER DETAIL, SHEET RD-2.
2. SINGLE DIRECTION CURB RAMP, PER DETAIL, SHEET RPD-3.
3. REMOVE AND WASTEHAUL EXISTING J-BOX, REPLACE AND RELOCATE J-BOX PER WSDOT STD. PLAN J-40.10-04. COORDINATE LOCATION WITH CONTRACTING AGENCY.
4. CURB RAMP. CROSS SLOPE SHALL NOT EXCEED 1.50% (UNLESS NOTED OTHERWISE ON PLANS).
5. LANDING. CROSS SLOPE SHALL NOT EXCEED 1.50% (UNLESS NOTED OTHERWISE ON PLANS).
6. DETECTABLE WARNING SURFACE (MODIFIED). SEE STANDARD PLAN F-45.10 ON SHEET RPD-2.
7. REMOVE AND WASTEHAUL EXISTING JUNCTION BOX, REPLACE WITH JUNCTION BOX PER WSDOT STD. PLAN J-40.10-04.
8. COMBINATION CURB RAMP, SEE STANDARD PLAN F-40.14 ON SHEET RPD-2.
9. PARALLEL CURB RAMP, PER DETAIL, SHEET RPD-1.
10. PERPENDICULAR CURB RAMP, PER DETAIL, SHEET RPD-1.
11. MEDIAN CURB AND GUTTER, PER DETAIL, SHEET RD-2.
12. REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSH BUTTON AND POLE TO CONTRACTING AGENCY.
13. PROTECT EXISTING CURB, CURB & GUTTER, SIDEWALK, LUMINAIRE, WALL, VAULT, TREE, LANDSCAPING, SHRUB, MONUMENT, STORM STRUCTURE, STORM SYSTEM, IRRIGATION, FIRE HYDRANT, ROCKERY, UTILITIES, UTILITY POLE, JUNCTION BOX, PEDESTAL, SURVEY CONTROL POINT, ETC. DURING CONSTRUCTION.
14. SAWCUT EXISTING PAVEMENT PER FLEXIBLE PAVEMENT PATCHING DETAIL, SHEET RD-3, AND SEAL JOINT (WHERE APPLICABLE) THEN APPLY SAND BLANKET TO THE SURFACE JOINT.
15. SAWCUT EXISTING CURB/CURB & GUTTER/SIDEWALK TO NEAREST FULL JOINT (UNLESS DIRECTED OTHERWISE BY CONTRACTING AGENCY) AND PROVIDE CLEAN EDGE. CONTRACTOR SHALL REMOVE AND WASTEHAUL EXISTING CURB/GUTTER/SIDEWALK.
16. REMOVE AND WASTEHAUL EXISTING CURB, GUTTER, SIDEWALK, CONCRETE, PAVEMENT, WALL, FOUNDATION, ASPHALT PER THE SPECIFICATIONS.
17. ADJUST EXISTING VALVE BOX TO GRADE, PER VALVE BOX ADJUSTMENT DETAIL, SHEET SD-1.
18. ADJUST CATCH BASIN TO GRADE, PER DETAILS, SHEET SD-1.
19. PROVIDE PROPERTY RESTORATION TO ITS EXISTING CONDITIONS (4" TOPSOIL TYPE A WITH SOD, OR, 4" BARK MULCH, AS REQUIRED).
20. CEMENT CONCRETE SIDEWALK, PER CEMENT CONCRETE SIDEWALK AND SIDEWALK DETAILS, SHEET RD-1. MATCH EXISTING JOINT / SCORING PATTERN(S).
21. EXISTING UTILITY TO BE RELOCATED BY OTHERS. COORDINATE WORK WITH UTILITY REPRESENTATIVE. SEE GENERAL NOTE 2, SHEET G-1.
22. ADJUST EXISTING WATER METER TO GRADE.
23. ADJUST PEDESTRIAN PUSH BUTTON HEIGHT. PER DETAIL, SHEET CD-6.
24. ADJUST PEDESTRIAN PUSH BUTTON HORIZONTALLY. PER DETAIL, SHEET CD-6.
25. NEW PEDESTRIAN PUSH BUTTON AND POLE WITH BREAKAWAY ASSEMBLY, PER DETAIL SHEETS CD-6 AND CD-7. TYPE PS POLES NOTED ON PLANS WITH NOTE "(PS)". ALL OTHER PUSH BUTTON POLES TO BE TYPE PPB. DISTANCE FROM CENTERLINE OF POLE TO FACE OF CURB, MEASURED PERPENDICULAR TO THE CURB, IS NOTED ON THE PLANS IN PARENTHESIS.
26. FURNISH AND INSTALL PLASTIC STOP LINE, PER DETAIL, SHEET CD-1.
27. FURNISH AND INSTALL PLASTIC CROSSWALK MARKINGS, PER DETAIL, SHEET CD-1.
28. FURNISH AND INSTALL PAINTED 8" WIDE LINE, PER DETAIL, SHEET CD-1.
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30. CAUTION: POTENTIAL UTILITY CONFLICT. VERIFY (POTHOLE) EXACT LOCATION AND DEPTH OF EXISTING UTILITY. SEE ORDER OF WORK. PATCH POTHOLES IN EXISTING SIDEWALK WITH TEMPORARY HMA UPON COMPLETION OF POT HOLE WORK.
31. CONSTRUCT CAST-IN-PLACE WALL, PER DETAIL, SHEET RD-4.
32. CONSTRUCT BLACK VINYL CHAIN LINK FENCE, PER DETAIL, SHEET RD-4.
33. ADJUSTED EXISTING WATER VALVE TO GRADE, PER DETAIL, SHEET SD-1.



228TH AVENUE NE AND NE 8TH ST - SW ISLAND CURB RETURN AND ADA RAMP TABLE

NUMBER	TYPE	STATION	OFFSET	FLOWLINE ELEVATION	CURB HEIGHT	DESCRIPTION	CENTER
7	LANDING	64+76.77	47.68 LT	359.75	0"/6"		
8	LANDING	64+73.41	42.40 LT	359.67	0"/6"		
9	PC/FL	64+72.33	40.69 LT	359.64	6"		
10	Δ/FL	64+71.69	36.84 LT	359.75	6"	L=8.02' R=5.00'	64+76.55 -38.01 LT
11	PT/FL	64+74.02	33.70 LT	359.86	6"	Δ=91' 57' 08"	
12	PC/FL	64+75.86	32.62 LT	359.91	6"		
13	Δ/FL	64+77.08	32.10 LT	359.93	6"	L=2.65' R=5.00'	64+78.39 -36.93 LT
14	PT/FL	64+78.39	31.93 LT	359.95	6"	Δ=30' 24' 10"	
15	PC/FL	64+84.12	31.92 LT	360.00	6"		
16	LANDING	64+89.09	33.25 LT	360.13	0"/6"		
17	Δ/LANDING	64+92.77	36.88 LT	360.21	0"	L=20.88' R=10.00'	64+84.13 -41.92 LT
18	LANDING	64+94.13	41.82 LT	360.28	0"/6"	Δ=119' 38' 11"	
19	PT/FL	64+92.83	46.86 LT	360.22	6"		
20	PC/FL	64+87.47	56.30 LT	360.15	6"		
21	Δ/FL	64+84.93	57.82 LT	360.05	6"	L=6.18' R=3.00'	64+84.86 -54.82 LT
22	PT/FL	64+82.33	56.43 LT	359.90	6"	Δ=118' 00' 31"	

228TH AVENUE NE AND NE 8TH ST - SW CURB RETURN AND ADA RAMP TABLE

NUMBER	TYPE	STATION	OFFSET	FLOWLINE ELEVATION	CURB HEIGHT	DESCRIPTION	CENTER
1	PC/FL	64+56.86	76.04 LT	358.95*	6" (APPROX)		
2	WING	64+56.14	68.84 LT	358.91	6"		
3	LANDING	64+52.87	58.37 LT	358.86	0"		
4	LANDING	64+49.30	51.94 LT	358.75	0"	L=42.36' R=45.00'	64+11.87 -76.91 LT
5	WING	64+42.93	44.35 LT	358.54	6"	Δ=53' 56' 00"	
6	PT/FL	64+37.65	40.03 LT	358.39*	6" (APPROX)		

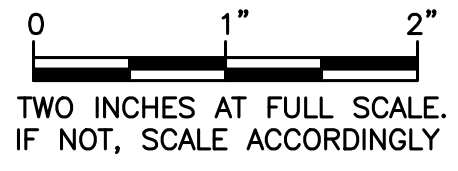
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**BURIED UTILITIES IN AREA
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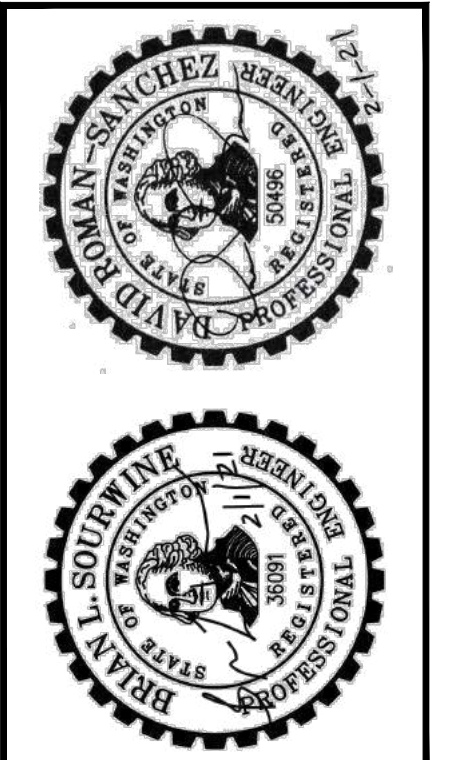
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Gray & Osborne, Inc.
CONSULTING ENGINEERS
1130 RAINIER AVENUE SOUTH, SUITE 300
SEATTLE, WASHINGTON 98144 • (206) 264-0860

DATE: FEB 2021	DRS	CNT	BLS
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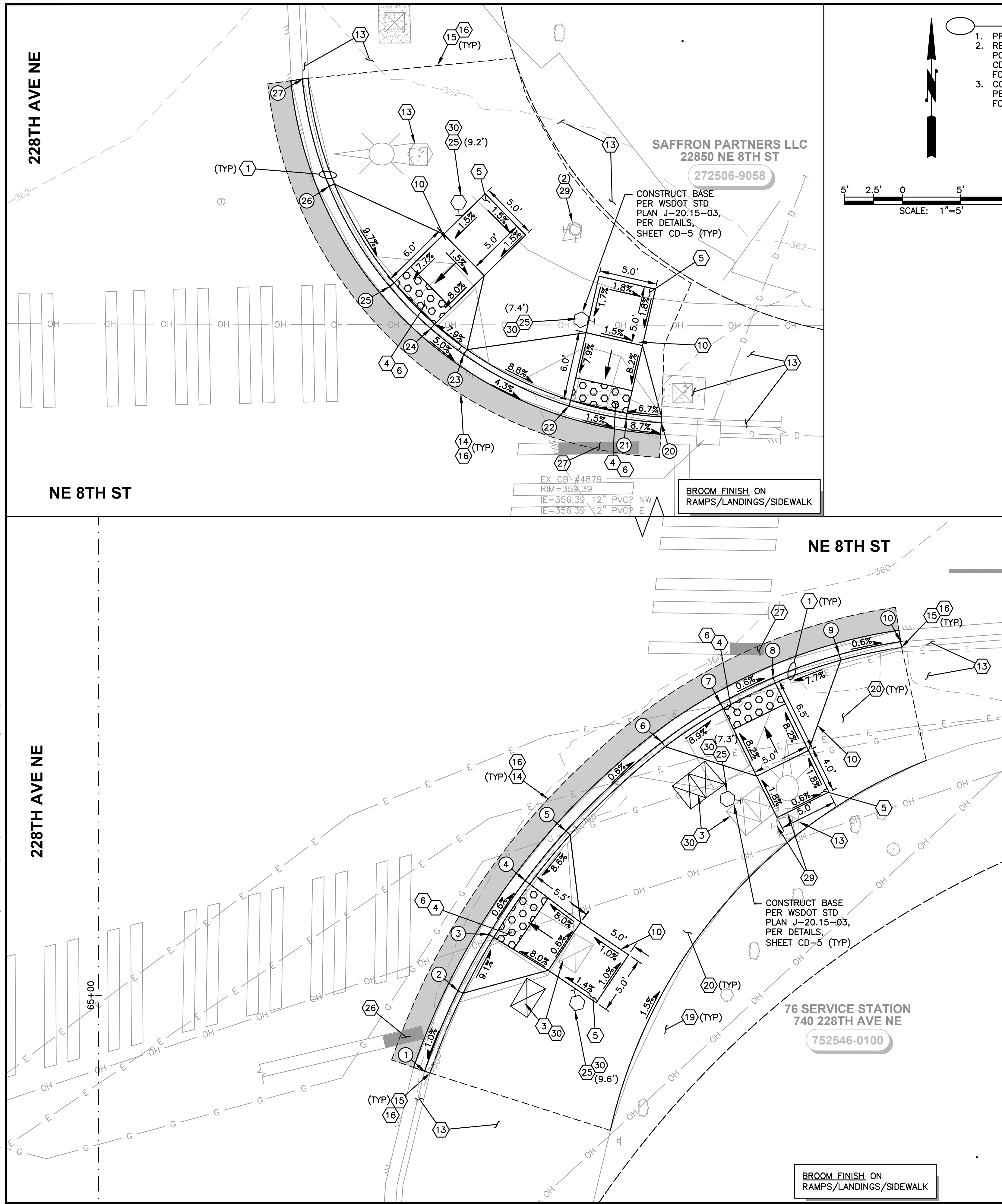


CITY OF SAMMAMISH
KING COUNTY WASHINGTON
**228TH AVENUE CURB RAMP RETROFIT
AND CATCH BASIN REPAIRS**
RAMP PLAN

SHEET: **RP-13**
OF: **38**
JOB NO.: 20495
DWG: RP-13 RAMP PLAN

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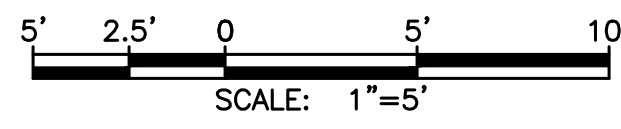


SIGNING NOTES

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2. RELOCATE EXISTING SIGN. FURNISH AND INSTALL NEW POST AND HARDWARE PER DETAILS, SHEETS CD-2-CD-3. WASTE HAUL EXISTING POST AND FOUNDATION.
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30. CAUTION: POTENTIAL UTILITY CONFLICT. VERIFY (POTHOLE) EXACT LOCATION AND DEPTH OF EXISTING UTILITY. SEE ORDER OF WORK. PATCH POTHOLES IN EXISTING SIDEWALK WITH TEMPORARY HMA UPON COMPLETION OF POTHOLE WORK.
31. CONSTRUCT CAST-IN-PLACE WALL, PER DETAIL, SHEET RD-4.
32. CONSTRUCT BLACK VINYL CHAIN LINK FENCE, PER DETAIL, SHEET RD-4.
33. ADJUSTED EXISTING WATER VALVE TO GRADE, PER DETAIL, SHEET SD-1.



228TH AVENUE SE AND NE 8TH ST - NE CURB RETURN AND ADA RAMP TABLE

NUMBER	TYPE	STATION	OFFSET	FLOWLINE ELEVATION	CURB HEIGHT	DESCRIPTION	CENTER
(20)	PC/WING	65+83.99	65.69 RT	359.45*	6"	L=46.71' R=33.00' Δ=81° 05' 43"	66+16.94 67.53 RT
(21)	RAMP	65+84.30	62.66 RT	359.71	0"		
(22)	RAMP	65+85.44	57.71 RT	359.79	0"		
(23)	WINGS	65+89.89	48.63 RT	360.23	6"		
(24)	RAMP	65+92.12	45.79 RT	360.41	0"		
(25)	RAMP	65+95.74	42.24 RT	360.48	0"		
(26)	WING	66+04.40	37.01 RT	360.99	6"		
(27)	PT/FL	66+13.66	34.69 RT	361.47*	6"		

NOTE: ELEVATIONS WITH "*" CONTRACTOR SHALL MATCH EXISTING ELEVATIONS AT EXISTING CURB/SIDEWALK/ROADWAY TIE-INS. (APPROXIMATE ELEVATIONS LISTED).

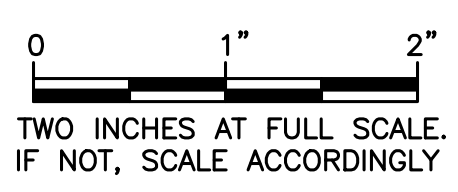
228TH AVENUE SE AND NE 8TH ST - SE CURB RETURN AND ADA RAMP TABLE

NUMBER	TYPE	STATION	OFFSET	FLOWLINE ELEVATION	CURB HEIGHT	DESCRIPTION	CENTER
(1)	PC/FL	64+93.45	28.16 RT	359.98*	6"	L=26.59' R=45.00' Δ=33° 51' 13"	64+86.02 75.85 RT
(2)	WING/HP	65+00.40	31.04 RT	360.02	6"		
(3)	RAMP	65+05.26	33.70 RT	359.98	0"		
(4)	RAMP	65+09.90	36.84 RT	359.95	0"		
(5)	WING	65+14.19	40.36 RT	359.92	6"		
(6)	WING	65+21.86	48.65 RT	359.85	6"		
(7)	RAMP	65+25.19	53.71 RT	359.82	0"		
(8)	RAMP	65+27.43	58.25 RT	359.79	0"		
(7)	WING	65+29.42	63.97 RT	359.75	6"		
(8)	PT	65+30.53	69.27 RT	359.72*	6"		

NOTE: ELEVATIONS WITH "*" CONTRACTOR SHALL MATCH EXISTING ELEVATIONS AT EXISTING CURB/SIDEWALK/ROADWAY TIE-INS. (APPROXIMATE ELEVATIONS LISTED).

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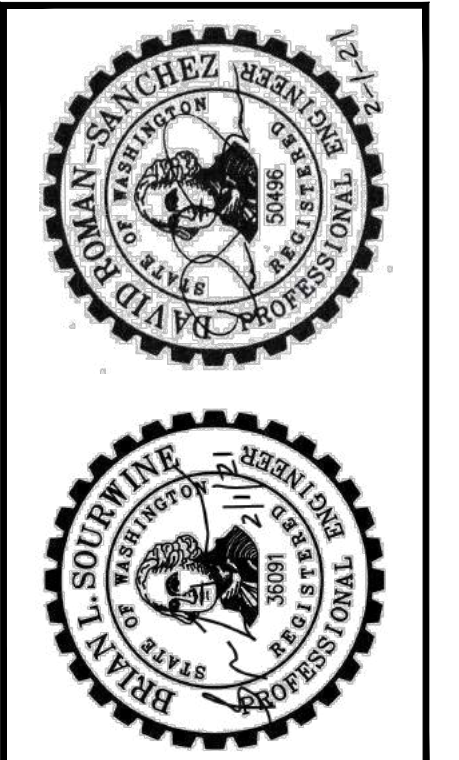
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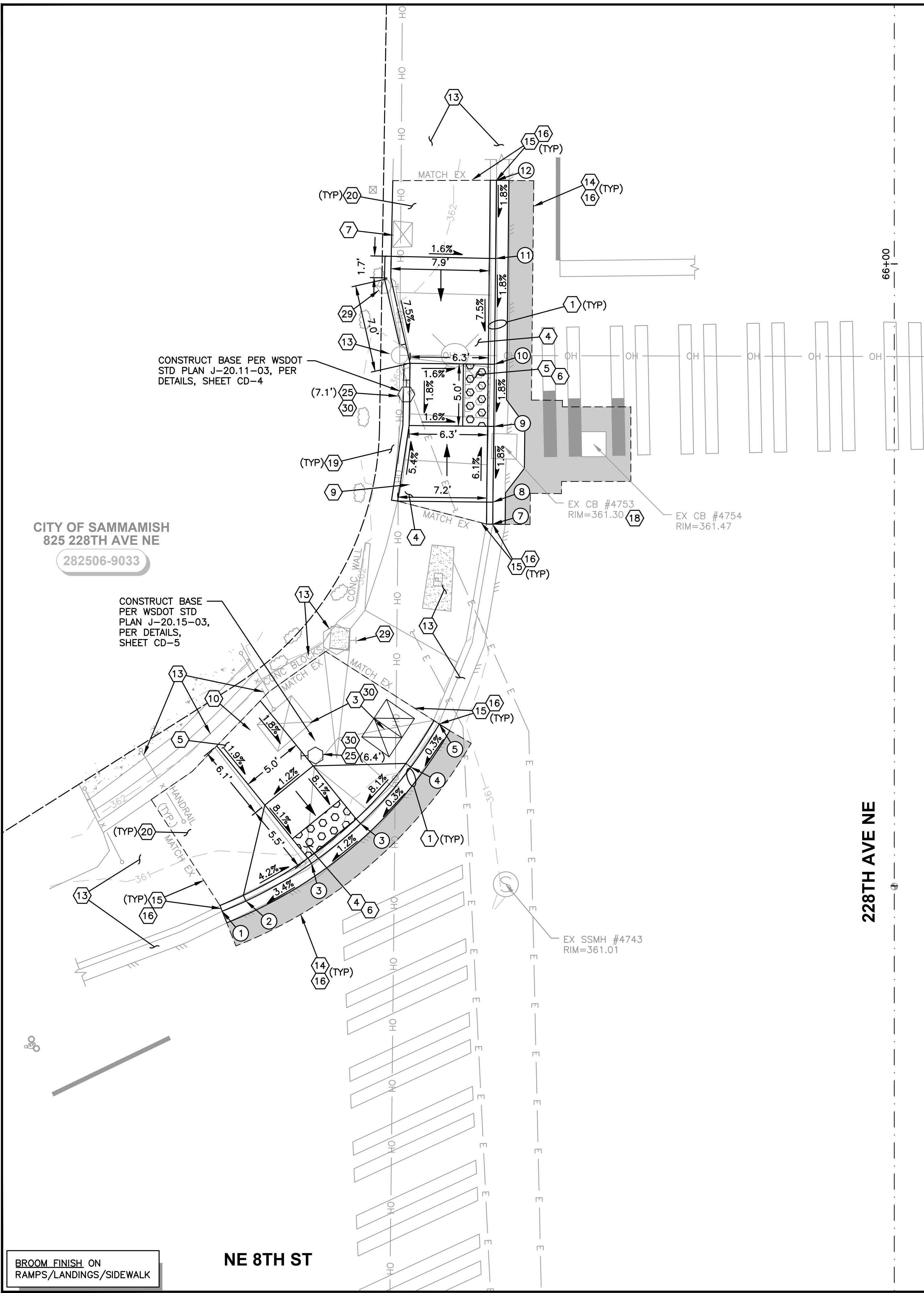
DATE	APPD	REVISION
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CITY OF SAMMAMISH
KING COUNTY WASHINGTON
228TH AVENUE CURB RAMP RETROFIT AND CATCH BASIN REPAIRS
RAMP PLAN

SHEET: **RP-14**
OF: **38**
JOB NO.: 20495
DWG: RP-14 RAMP PLAN

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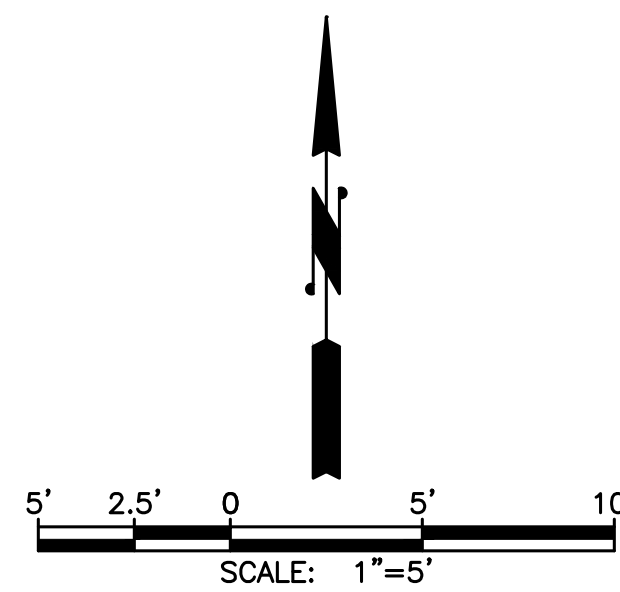


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3. REMOVE AND WASTEHAUL EXISTING J-BOX, REPLACE AND RELOCATE J-BOX PER WSDOT STD. PLAN J-40.10-04. COORDINATE LOCATION WITH CONTRACTING AGENCY.
4. CURB RAMP. CROSS SLOPE SHALL NOT EXCEED 1.50% (UNLESS NOTED OTHERWISE ON PLANS).
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21. EXISTING UTILITY TO BE RELOCATED BY OTHERS. COORDINATE WORK WITH UTILITY REPRESENTATIVE. SEE GENERAL NOTE 2, SHEET G-1.
22. ADJUST EXISTING WATER METER TO GRADE.
23. ADJUST PEDESTRIAN PUSH BUTTON HEIGHT. PER DETAIL, SHEET CD-6.
24. ADJUST PEDESTRIAN PUSH BUTTON HORIZONTALLY. PER DETAIL, SHEET CD-6.
25. NEW PEDESTRIAN PUSH BUTTON AND POLE WITH BREAKAWAY ASSEMBLY, PER DETAIL SHEETS CD-6 AND CD-7. TYPE PS POLES NOTED ON PLANS WITH NOTE "(PS)". ALL OTHER PUSH BUTTON POLES TO BE TYPE PPB. DISTANCE FROM CENTERLINE OF POLE TO FACE OF CURB, MEASURED PERPENDICULAR TO THE CURB, IS NOTED ON THE PLANS IN PARENTHESIS.
26. FURNISH AND INSTALL PLASTIC STOP LINE, PER DETAIL, SHEET CD-1.
27. FURNISH AND INSTALL PLASTIC CROSSWALK MARKINGS, PER DETAIL, SHEET CD-1.
28. FURNISH AND INSTALL PAINTED 8" WIDE LINE, PER DETAIL, SHEET CD-1.
29. REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSH BUTTON TO CONTRACTING AGENCY. CAP HOLES AFTER REMOVAL PER SPECIFICATIONS.
30. CAUTION: POTENTIAL UTILITY CONFLICT. VERIFY (POTHOLE) EXACT LOCATION AND DEPTH OF EXISTING UTILITY. SEE ORDER OF WORK. PATCH POTHOLES IN EXISTING SIDEWALK WITH TEMPORARY HMA UPON COMPLETION OF POT HOLE WORK.
31. CONSTRUCT CAST-IN-PLACE WALL, PER DETAIL, SHEET RD-4.
32. CONSTRUCT BLACK VINYL CHAIN LINK FENCE, PER DETAIL, SHEET RD-4.
33. ADJUSTED EXISTING WATER VALVE TO GRADE, PER DETAIL, SHEET SD-1.



228TH AVENUE NE AND NE 8TH ST - NW PERPENDICULAR CURB RETURN AND ADA RAMP TABLE

NUMBER	TYPE	STATION	OFFSET	FLOWLINE ELEVATION	CURB HEIGHT	DESCRIPTION	CENTER
1	PC/FL	65+47.96	54.06 LT	360.52*	6" (APPROX)	L=23.49' R=35.00' Δ=38° 27' 40"	65+80.51 -66.91 LT
2	WING/FL	65+48.78	52.14 LT	360.59	6"		
3	LANDING	65+51.81	46.88 LT	360.80	0"		
4	LANDING	65+55.01	42.94 LT	360.86	0"		
5	WING/FL	65+59.54	38.89 LT	360.88	6"		
6	PT/FL	65+63.01	36.60 LT	360.89*	6" (APPROX)		

NOTE: ELEVATIONS WITH "*" CONTRACTOR SHALL MATCH EXISTING ELEVATIONS AT EXISTING CURB/SIDEWALK/ROADWAY TIE-INS. (APPROXIMATE ELEVATIONS LISTED).

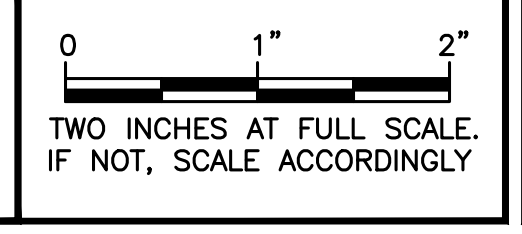
228TH AVENUE NE AND NE 8TH ST - NW PARALLEL CURB RETURN AND ADA RAMP TABLE

NUMBER	TYPE	STATION	OFFSET	FLOWLINE ELEVATION	CURB HEIGHT
7	FLOW	65+79.08	32.30 LT	361.19*	6" (APPROX)
8	WING/FL	65+80.83	32.28 LT	361.23	6"
9	LANDING	65+86.94	32.21 LT	361.36	0"
10	LANDING	65+91.94	32.16 LT	361.45	0"
11	WING/FL	66+00.44	32.06 LT	361.59	6"
12	FLOW	66+06.73	32.00 LT	361.70*	6" (APPROX)

NOTE: ELEVATIONS WITH "*" CONTRACTOR SHALL MATCH EXISTING ELEVATIONS AT EXISTING CURB/SIDEWALK/ROADWAY TIE-INS. (APPROXIMATE ELEVATIONS LISTED).

BURIED UTILITIES IN AREA CALL BEFORE YOU DIG 1-811
EXISTING UTILITIES SHOWN ARE FROM THE BEST AVAILABLE INFORMATION AND NO GUARANTEE IS MADE AS TO THE EXACT SIZE, TYPE, LOCATION OR DEPTH

RIGHT-OF-WAY DISCLAIMER
THE RIGHT-OF-WAY AND/OR PROPERTY LINES SHOWN HEREON ARE BASED ON AVAILABLE INFORMATION, NOT ON A SURVEYED LOCATION AND ARE ONLY APPROXIMATE.



Gray & Osborne, Inc.
CONSULTING ENGINEERS
1130 RAINIER AVENUE SOUTH, SUITE 300
SEATTLE, WASHINGTON 98144 • (206) 264-0860

DATE: FEB 2021	DRS	CNT	BLS
DRAWN:	CNT	CNT	BLS
CHECKED:	CNT	CNT	BLS
APPROVED:	CNT	CNT	BLS
		DATE	APPD
		REVISION	
		No.	

BRIAN SANCHEZ
REGISTERED PROFESSIONAL ENGINEER
STATE OF WASHINGTON
NO. 36981
EXPIRES 12/31/24

BRIAN SANCHEZ
REGISTERED PROFESSIONAL ENGINEER
STATE OF WASHINGTON
NO. 36981
EXPIRES 12/31/24

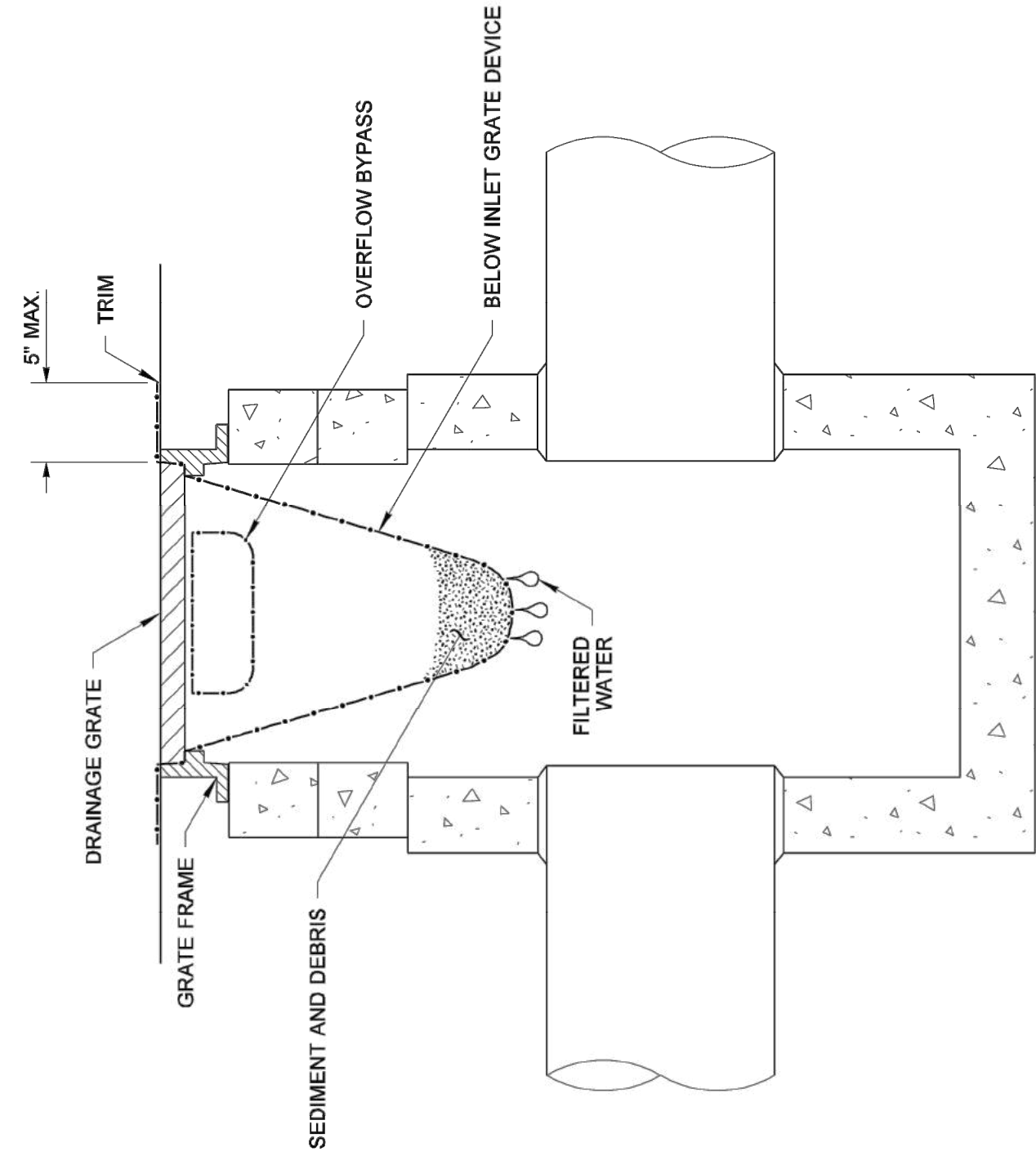
CITY OF SAMMAMISH
KING COUNTY WASHINGTON
228TH AVENUE CURB RAMP RETROFIT AND CATCH BASIN REPAIRS
RAMP PLAN

SHEET: **RP-15**
OF: **38**
JOB NO.: 20495
DWG: RP-15 RAMP PLAN

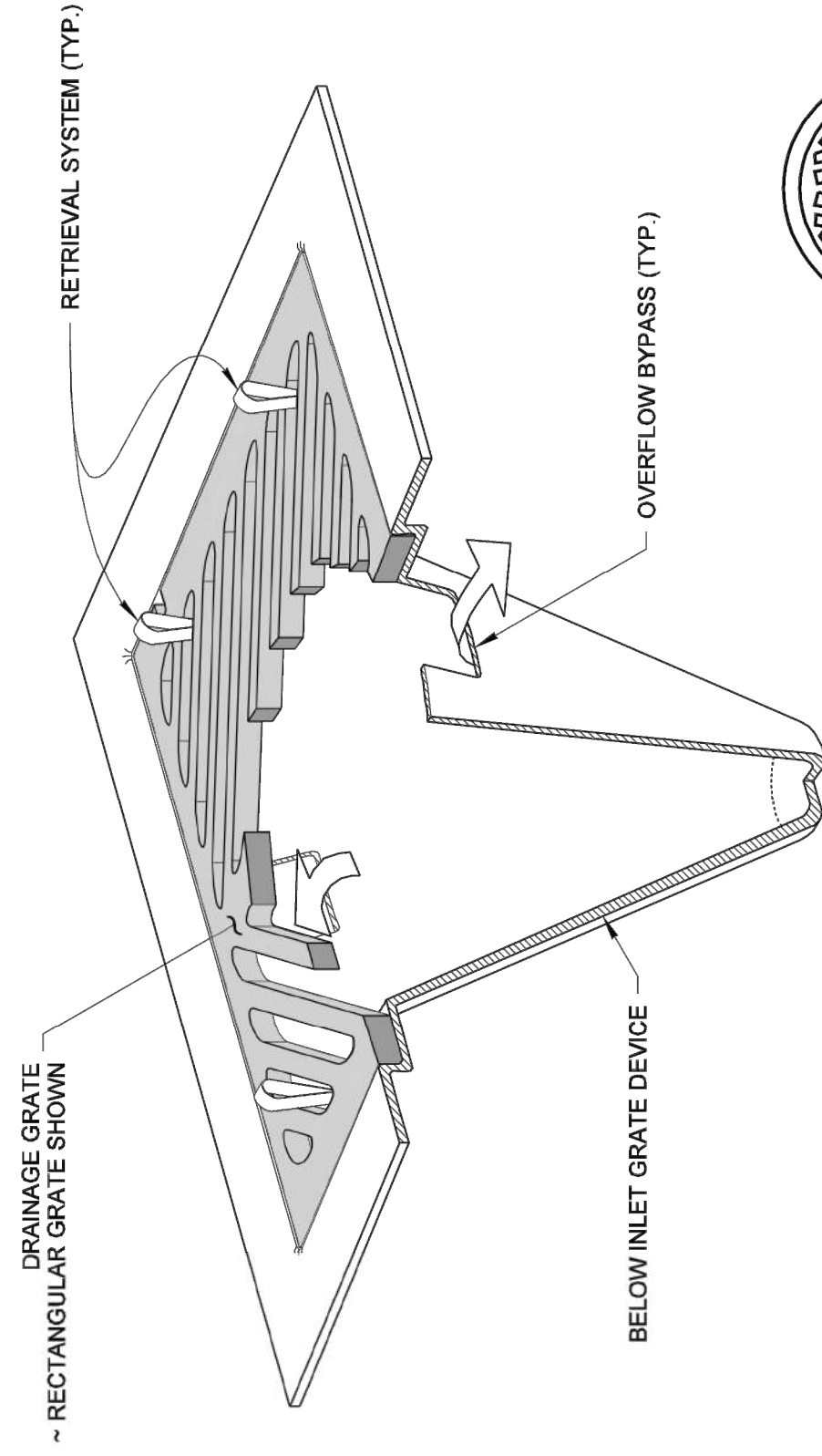
DRAWN BY: LISA CYFORD

NOTES

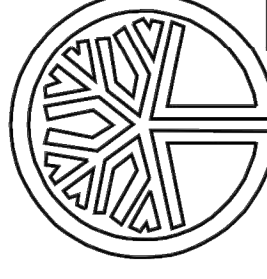
1. Size the Below Inlet Grate Device (BIGD) for the storm water structure it will service.
2. The BIGD shall have a built-in high-flow relief system (overflow bypass).
3. The retrieval system must allow removal of the BIGD without spilling the collected material.
4. Perform maintenance in accordance with Standard Specification 8-01.3(15).



SECTION VIEW
NOT TO SCALE



ISOMETRIC VIEW



STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
MARK W. MAURER
CERTIFICATE NO. 000588

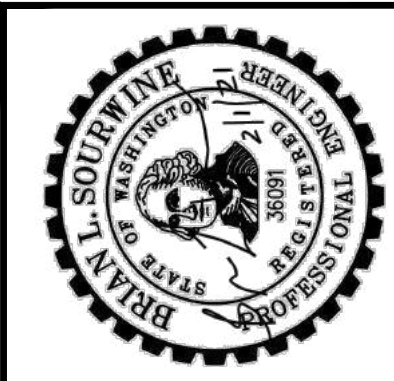
NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT. APPROVED FOR PUBLICATION, IS KEPT ON FILE AT THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION. A COPY MAY BE OBTAINED UPON REQUEST.

**STORM DRAIN
INLET PROTECTION
STANDARD PLAN I-40.20-00**
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
Pasco Bakotich III 09-20-07
STATE DESIGN ENGINEER DATE
Washington State Department of Transportation

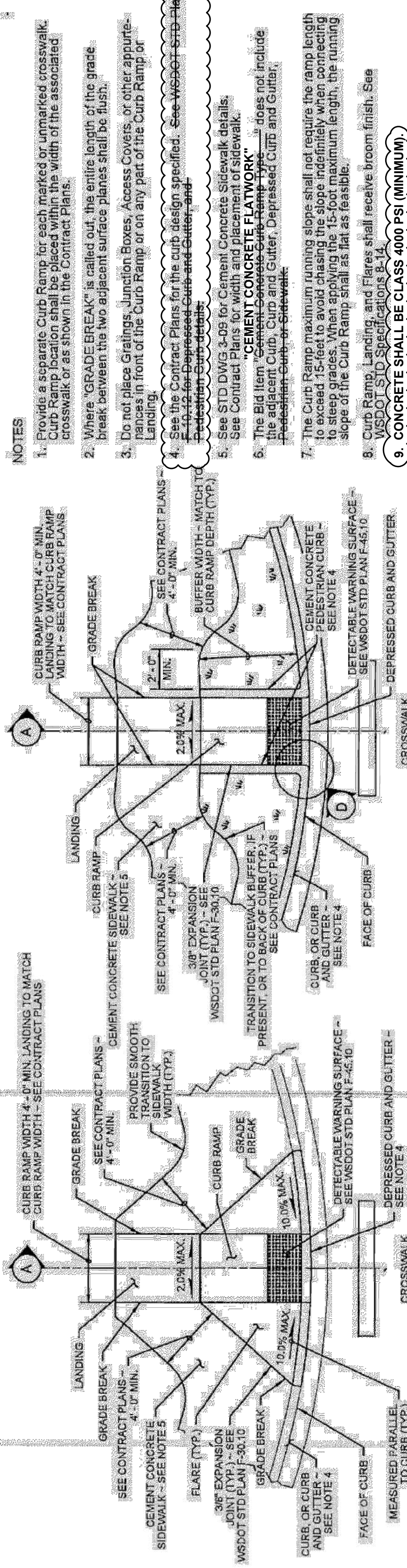
SHEET: **TD-1**
OF: **38**
JOB NO.: 20495
DWG:TESC STND DET

CITY OF SAMMAMISH
KING COUNTY WASHINGTON
**228TH AVENUE CURB RAMP RETROFIT
AND CATCH BASIN REPAIRS**
EROSION CONTROL DETAILS



No.	REVISION	DATE	APPD
DATE:	FEB 2021	DRAWN:	DRS
CHECKED:	CNT	APPROVED:	BLS

Gray & Osborne, Inc.
CONSULTING ENGINEERS
1130 RAINIER AVENUE SOUTH, SUITE 300
SEATTLE, WASHINGTON 98144 • (206) 264-0860



NOTES

1. Provide a separate Curb Ramp for each marked or unmarked crosswalk. Curb Ramp location shall be placed within the width of the associated crosswalk or as shown in the Contract Plans.
2. Where "GRADE BREAK" is called out, the entire length of the grade break between the two adjacent surface planes shall be flush.
3. Do not place Gratings, Junction Boxes, Access Covers, or other apparatus in front of the Curb Ramp or on any part of the Curb Ramp or Landing.
4. See the Contract Plans for the curb design specified. See WSDOT STD F-10.12 for Depressed Curb and Gutter and Curb and Gutter Details.
5. See STD DWG 3-09 for Curb and Gutter Details.
6. See Contract Plans for width and placement of sidewalk. "CEMENT CONCRETE FLATWORK" is called out, the entire length of the grade break between the two adjacent surface planes shall be flush.
7. The Curb Ramp maximum running slope shall not require the ramp length to exceed 15 feet to avoid chasing the slope indefinitely when connecting the curb ramp to the sidewalk. The minimum length, the running slope of the Curb Ramp shall be as feasible.
8. Curb Ramp, Landing, and Flares shall receive broom finish. See WSDOT STD F-45.10 for Curb and Gutter.
9. CONCRETE SHALL BE CLASS 4000 PSI (MINIMUM).

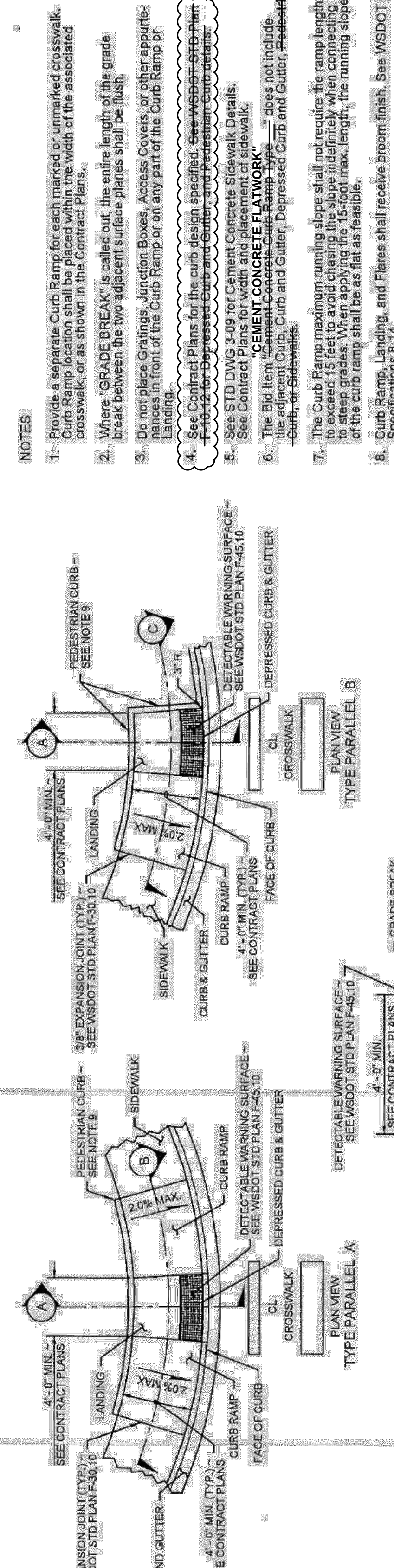
NOTE: RAMPS LOCATED ON THE EAST SIDE OF 228TH AVENUE SHALL BE 6-IN CEMENT CONCRETE (TYP).

NOTE: "CEMENT CONCRETE FLATWORK" PAY LIMIT INCLUDES RAMPS, LANDINGS, SIDEWALK AND PEDESTRIAN CURBS

MODIFIED

CITY OF SAMMAMISH
DEPARTMENT OF PUBLIC WORKS
PERPENDICULAR CURB RAMP

APPROVED BY	DATE	FILE
CITY ENGINEER	AUG-XX-2015	FIG02-06
DWN XXX	CKD XXX	
REV		



NOTES

1. Provide a separate Curb Ramp for each marked or unmarked crosswalk. Curb Ramp location shall be placed within the width of the associated crosswalk, or as shown in the Contract Plans.
2. Where "GRADE BREAK" is called out, the entire length of the grade break between the two adjacent surface planes shall be flush.
3. Do not place Gratings, Junction Boxes, Access Covers, or other apparatus in front of the Curb Ramp or on any part of the Curb Ramp or Landing.
4. See Contract Plans for the curb design specified. See WSDOT STD F-10.12 for Depressed Curb and Gutter and Curb and Gutter Details.
5. See STD DWG 3-09 for Curb and Gutter Details.
6. See Contract Plans for width and placement of sidewalk. "CEMENT CONCRETE FLATWORK" is called out, the entire length of the grade break between the two adjacent surface planes shall be flush.
7. The Curb Ramp maximum running slope shall not require the ramp length to exceed 15 feet to avoid chasing the slope indefinitely when connecting the curb ramp to the sidewalk. The minimum length, the running slope of the curb ramp shall be as feasible.
8. Curb Ramp, Landing, and Flares shall receive broom finish. See WSDOT STD Specifications 8-14.
9. Pedestrian Curb may be omitted if the ground surface at the back of the Curb Ramp and/or Landing will be at the same elevation as the Curb Ramp or Landing and there will be no material to retain.
10. CONCRETE SHALL BE CLASS 4000 PSI (MINIMUM).

NOTE: RAMPS LOCATED ON THE EAST SIDE OF 228TH AVENUE SHALL BE 6-IN CEMENT CONCRETE (TYP).

NOTE: "CEMENT CONCRETE FLATWORK" PAY LIMIT INCLUDES RAMPS, LANDINGS, SIDEWALK AND PEDESTRIAN CURBS

MODIFIED

CITY OF SAMMAMISH
DEPARTMENT OF PUBLIC WORKS
PARALLEL CURB RAMP

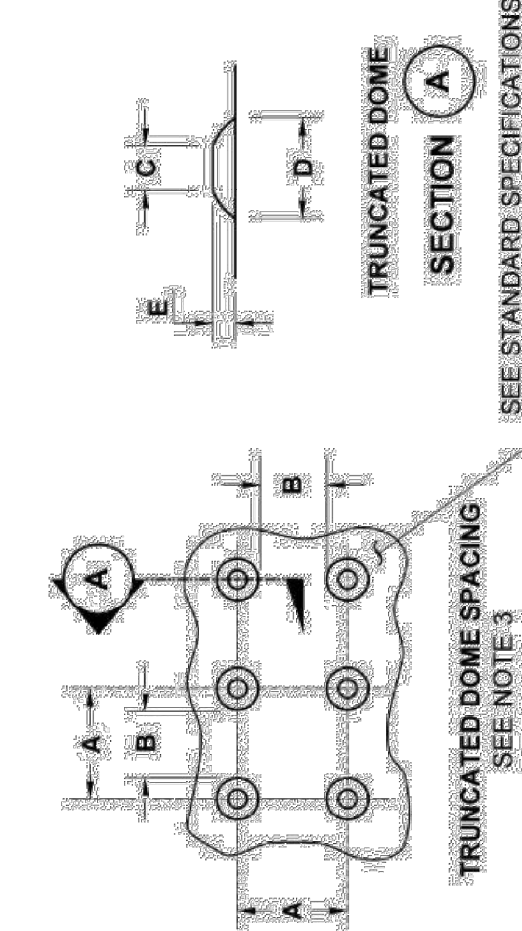
APPROVED BY	DATE	FILE
CITY ENGINEER	AUG-XX-2015	FIG02-07
DWN XXX	CKD XXX	
REV		



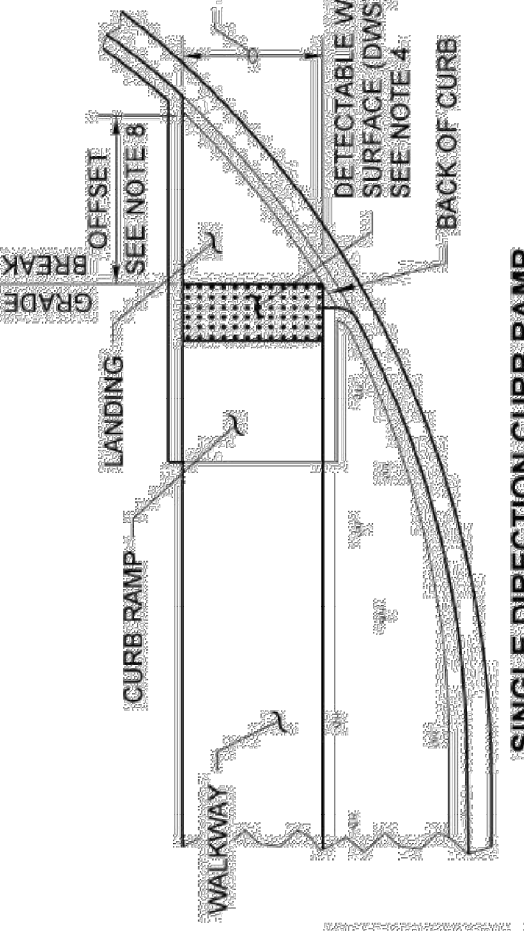
DATE:	FEB 2021
DRAWN:	DRS
CHECKED:	ONT
APPROVED:	BLS
No.	
REVISION	DATE APPD

CONTRACTOR SHALL MODIFY DEPRESSED CURB WIDTH TO MATCH DETECTABLE WARNING STRIP (TYP)

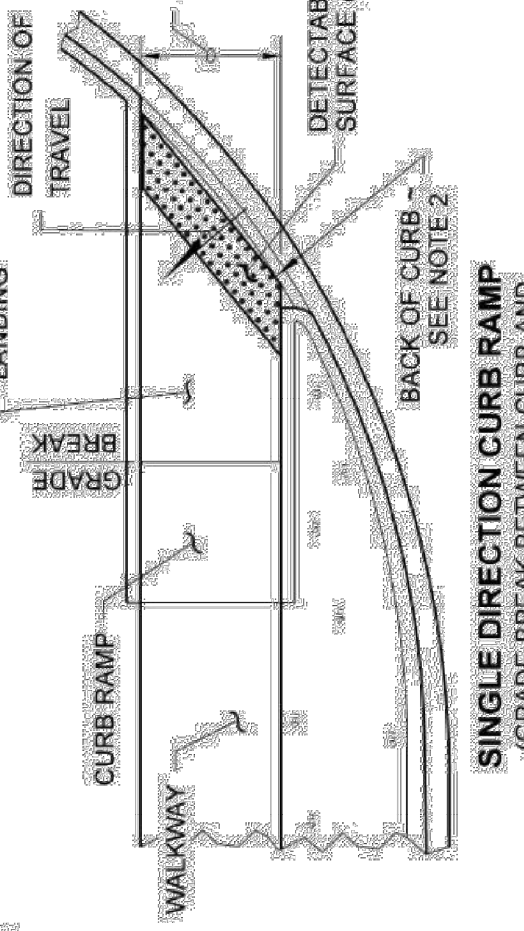
	MIN.	MAX.
A	1.60"	2.40"
B	0.65"	—
C	0.45"	0.90"
D	0.9"	1.40"
E	0.2"	0.2"



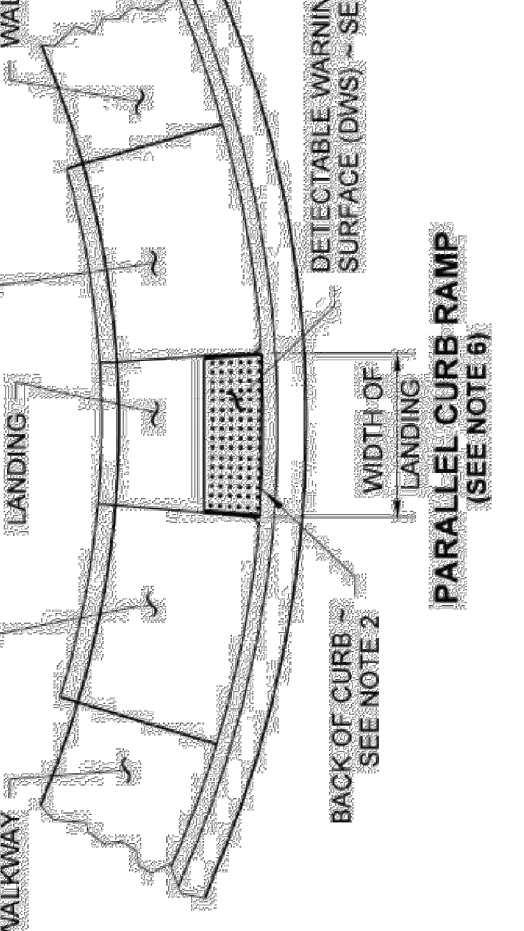
TRUNCATED DOME DETAILS
SEE STANDARD SPECIFICATIONS FOR COLOR OF SURFACE



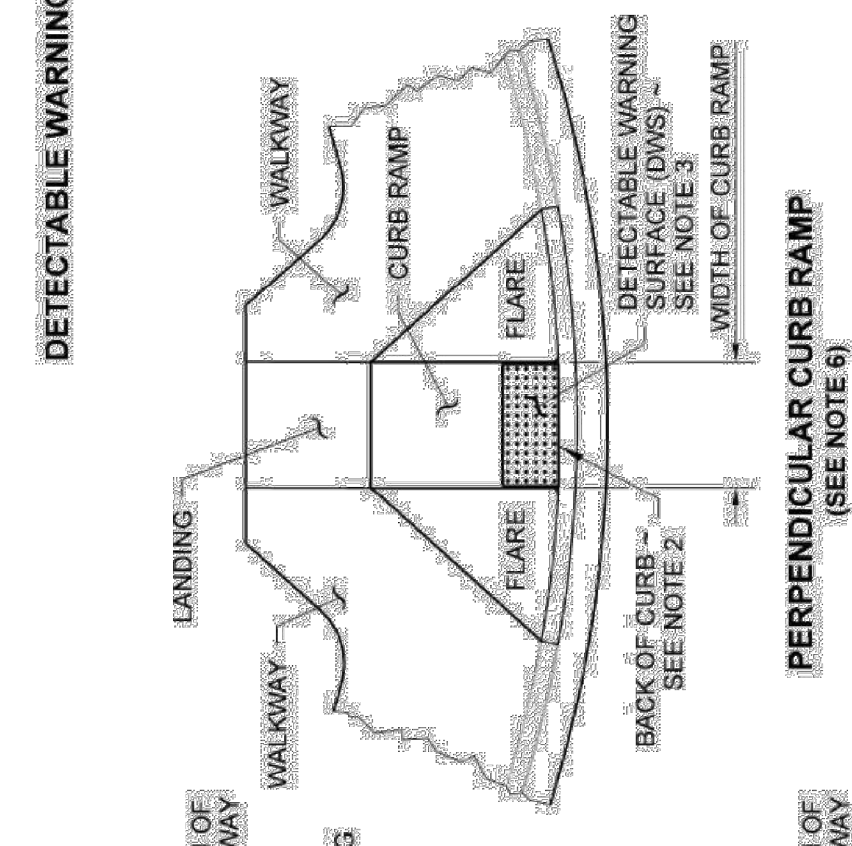
SINGLE DIRECTION CURB RAMP
(GRADE BREAK BETWEEN CURB AND LANDING > 5 FT. FROM BACK OF CURB) (SEE NOTE 6)



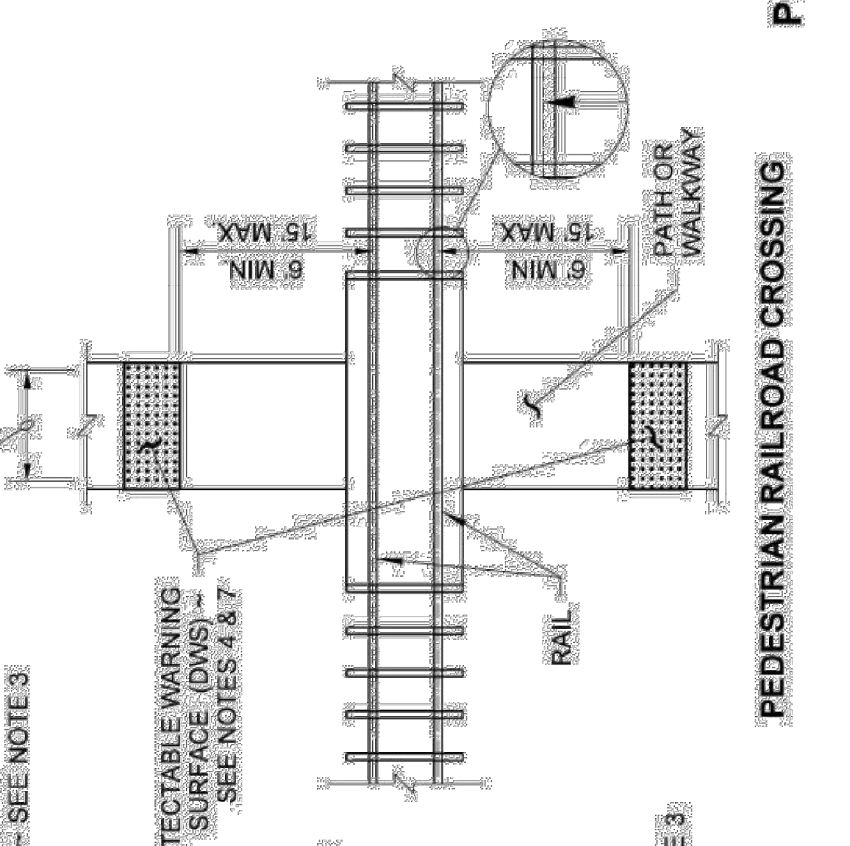
SINGLE DIRECTION CURB RAMP
(LANDING > 5 FT. FROM BACK OF CURB) (SEE NOTE 6)



PARALLEL CURB RAMP
(SEE NOTE 6)



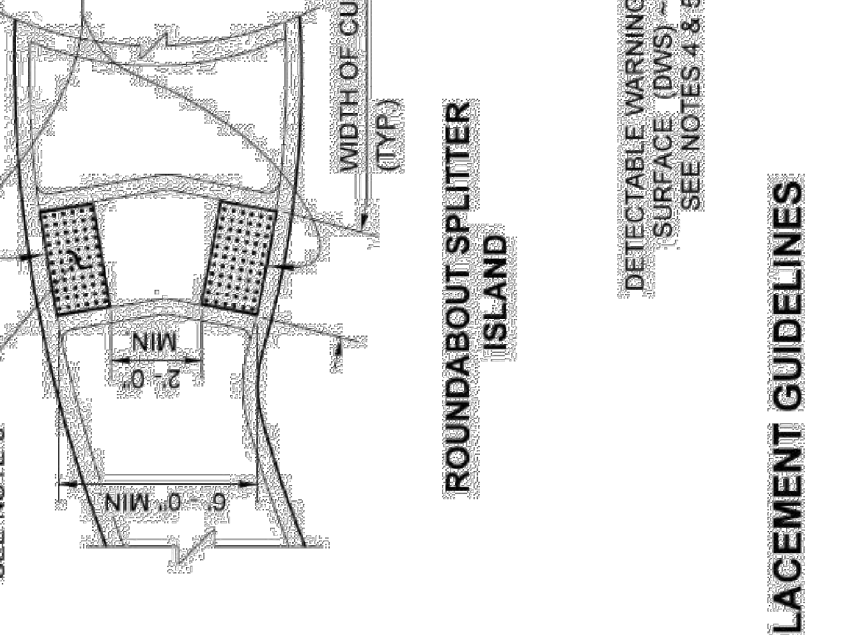
PERPENDICULAR CURB RAMP
(SEE NOTE 6)



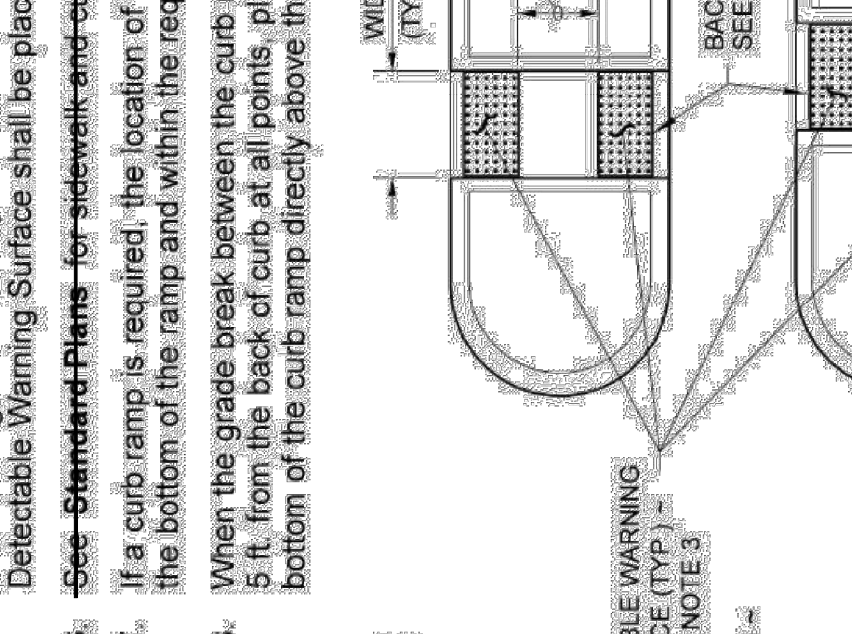
ROUNDABOUT SPLITTER ISLAND



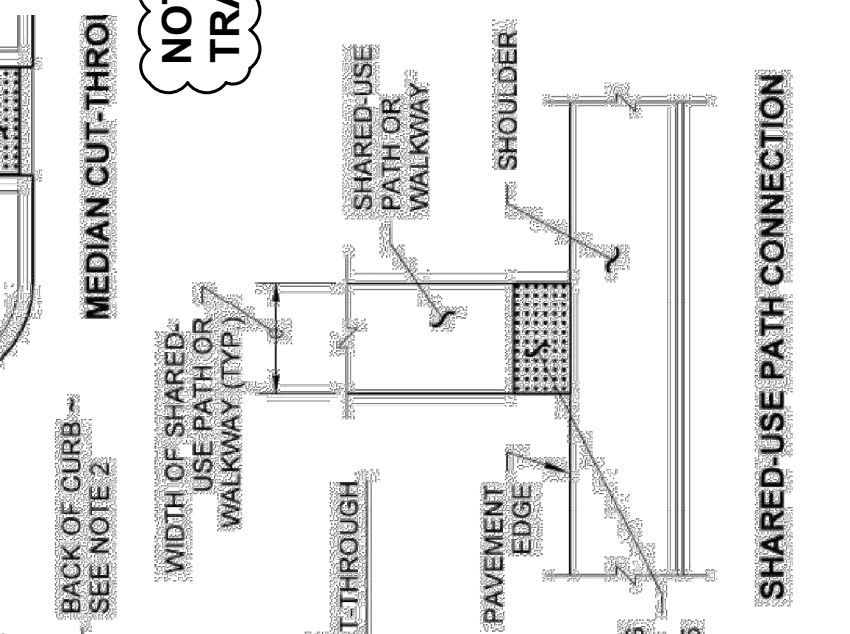
ISLAND CUT-THROUGH



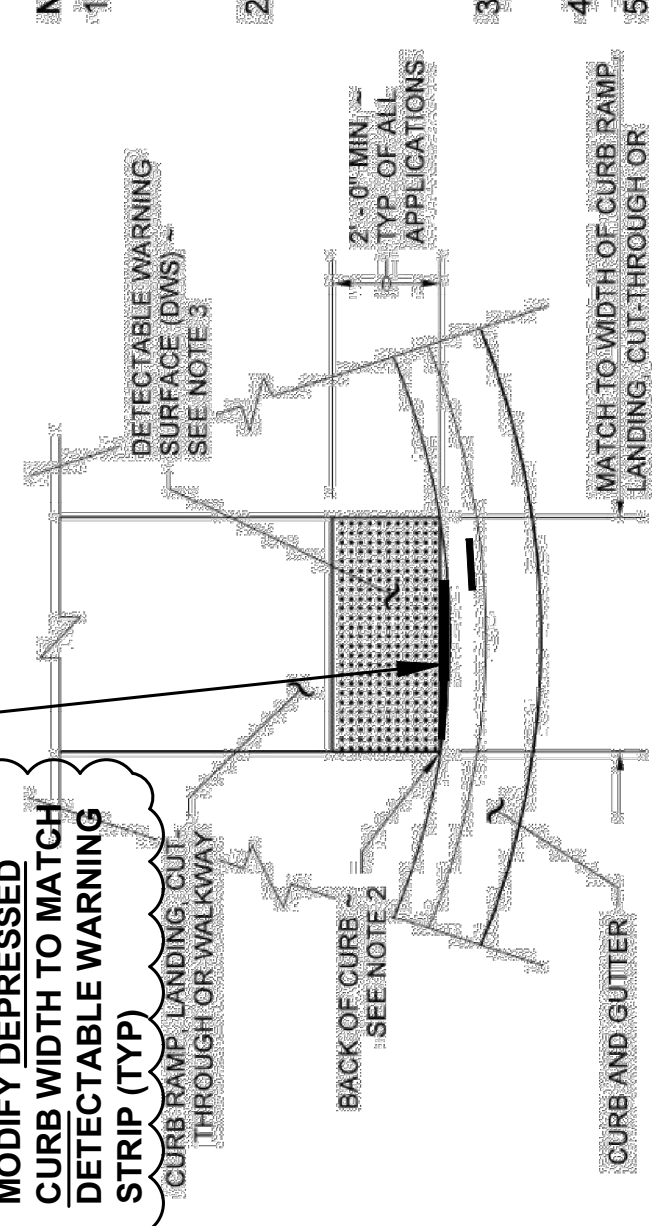
SHARED-USE PATH CONNECTION



MEDIAN CUT-THROUGH



PEDESTRIAN RAILROAD CROSSING



DETECTABLE WARNING SURFACE DETAIL

- NOTES**
- The Detectable Warning Surface (DWS) shall extend the full width of the curb ramp, landing, or other roadway entrance as applicable. Exception: If the Manufacturer of the DWS requires a concrete border around the DWS, a variance of up to 2 inches on each side of the DWS is permitted.
 - The Detectable Warning Surface (DWS) shall be placed at the back of curb, with the two leading corners of the DWS panel placed adjacent to the back of the curb, and with no more than a 2 inch gap between the DWS and the back of the curb measured at the center of the DWS panel. Exception: If the Manufacturer of the selected DWS requires a concrete border around the DWS, a variance of up to 2 inches from the back of the curb is permitted (measured at the leading corners of the DWS panel).
 - The rows of truncated domes shall be aligned to be perpendicular to the grade break at the back of curb.
 - The rows of truncated domes shall be aligned to be parallel to the direction of travel.
 - If curb and gutter are not present, such as a shared-use path connection, the Detectable Warning Surface shall be placed at the pavement edge.
 - See **Standard Plans** for sidewalk and curb ramp details.
 - If a curb ramp is required, the location of the Detectable Warning Surface must be at the bottom of the ramp and within the required distance from the rail.
 - When the grade break between the curb ramp and the landing is less than or equal to 5 ft. from the back of curb at all points, place the Detectable Warning Surface on the bottom of the curb ramp directly above the grade break.

NOTE: ADA DOMES SHALL BE TRAFFIC YELLOW

MODIFIED
DETECTABLE WARNING SURFACE
STANDARD PLAN F-45.10-02

SHEET 1 OF 1 SHEET
APPROVED FOR PUBLICATION
David Roman-Sanchez
STATE DESIGN ENGINEER
Washington State Department of Transportation

PLACEMENT GUIDELINES

NOTES

- Provide a separate Curb Ramp for each marked or unmarked crosswalk. Curb Ramp shall be placed within the width of the associated crosswalk or as shown in the Contract Plans.
- Where "GRADE BREAK" is called out, the entire length of the grade break between the two adjacent surface planes shall be flush.
- Do not place Graffiti, Junction Boxes, Access Covers, or other appurtenances in front of the Curb Ramp or on any part of the Curb Ramp or Landing.
- See Contract Plans for the curb design specified. See WSDOT STD PLAN F-10.12 for Depressed Curb, Gutter, and Pedestrian Curb details.
- See STD DWG 5-09 for Cement Concrete Sidewalk Details. See Contract Plans for width and placement.
- The Bid Item "Cement Concrete Curb Ramp" does not include the adjacent Curb, Curb and Gutter, Depressed Curb and Gutter, Pedestrian Curb, or Sidewalk.
- The Curb Ramp maximum running slope shall not require the ramp length to exceed 15 feet to avoid churning the slope indistinctly when connecting to steep grades. When applying the 15-foot max. length, the running slope of the Curb Ramp shall be as flat as feasible.
- Curb Ramp, Landing and Flares shall receive broom finish. See WSDOT STD Specifications 8-14.
- Pedestrian Curb may be omitted if the ground surface at the back of the Curb Ramp and/or Landing will be at the same elevation as the Curb Ramp or Landing and there will not be material to retain.
- CONCRETE SHALL BE CLASS 4000 PSI (MINIMUM)**

LEGEND

— SLOPE IN EITHER DIRECTION

PLAN VIEW
TYPE COMBINATION WITH BUFFER

SECTION A
DETECTABLE WARNING SURFACE - SEE WSDOT STD PLAN F-45.10
GRADE BREAK
TOP OF ROADWAY
DEPRESSED CURB AND GUTTER - SEE WSDOT STD PLAN F-10.12 AND NOTE 6
CURB RAMP
LANDING
CURB AND GUTTER - SEE CONTRACT PLANS
3/8" EXPANSION JOINT (TYP.) - SEE WSDOT STD PLAN F-30.10
DEPRESSED CURB AND GUTTER - SEE CONTRACT PLANS
TOP OF ROADWAY
CEMENT CONCRETE CURB AND GUTTER - SEE NOTES 4 & 6

SECTION B
CURB RAMP
LANDING
CURB AND GUTTER - SEE CONTRACT PLANS
3/8" EXPANSION JOINT (TYP.) - SEE WSDOT STD PLAN F-30.10
DEPRESSED CURB AND GUTTER - SEE CONTRACT PLANS
TOP OF ROADWAY
CEMENT CONCRETE CURB AND GUTTER - SEE NOTES 4 & 6

SECTION C
DETECTABLE WARNING SURFACE - SEE CONTRACT PLANS
GRADE BREAK
LANDING
CURB RAMP
LANDING
CURB AND GUTTER - SEE WSDOT STD PLAN F-30.10
3/8" EXPANSION JOINT (TYP.) - SEE WSDOT STD PLAN F-30.10

SECTION D
CURB RADIUS DETAIL
CEMENT CONCRETE PEDESTRIAN CURB - SEE NOTE 9
DEPRESSED CURB AND GUTTER - SEE NOTES 4 & 6
CEMENT CONCRETE CURB AND GUTTER - SEE NOTES 4 & 6

ISOMETRIC VIEW
TYPE COMBINATION
PAY LIMIT

NOTE: RAMPS LOCATED ON THE EAST SIDE OF 228TH AVENUE SHALL BE 6-IN CEMENT CONCRETE (TYP.)

NOTE: "CEMENT CONCRETE FLATWORK" PAY LIMIT INCLUDES RAMPS, LANDINGS, SIDEWALK AND PEDESTRIAN CURBS

MODIFIED

CITY OF SAMMAMISH
DEPARTMENT OF PUBLIC WORKS
COMBINATION CURB RAMP

APPROVED BY: *XXX* DATE: *XXX*
CITY ENGINEER

REV: *XXX* DWN: *XXX* CKD: *XXX* DATE: *XXX* FILE: *FIG02-09*

CITY OF SAMMAMISH
KING COUNTY WASHINGTON
228TH AVENUE CURB RAMP RETROFIT AND CATCH BASIN REPAIRS
RAMP DETAILS

SHEET: **RPD-2**
OF: **38**
JOB NO.: 20495
DWG: RAMP STND DET

DATE: FEB 2021
DRAWN: DRS
CHECKED: CNT
APPROVED: BLS

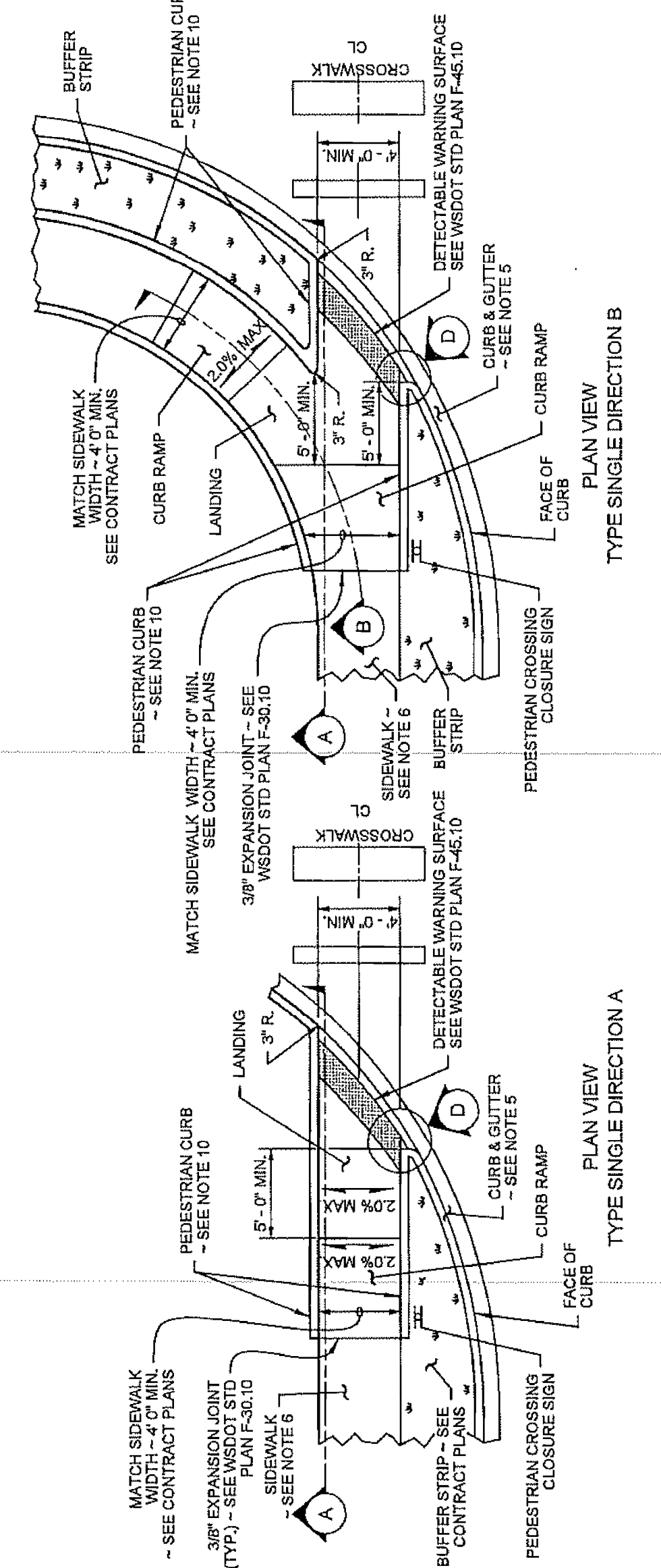
No. REVISION DATE APPD

Gray & Osborne, Inc.
CONSULTING ENGINEERS
1130 RAINIER AVENUE SOUTH, SUITE 300
SEATTLE, WASHINGTON 98144 • (206) 264-0860

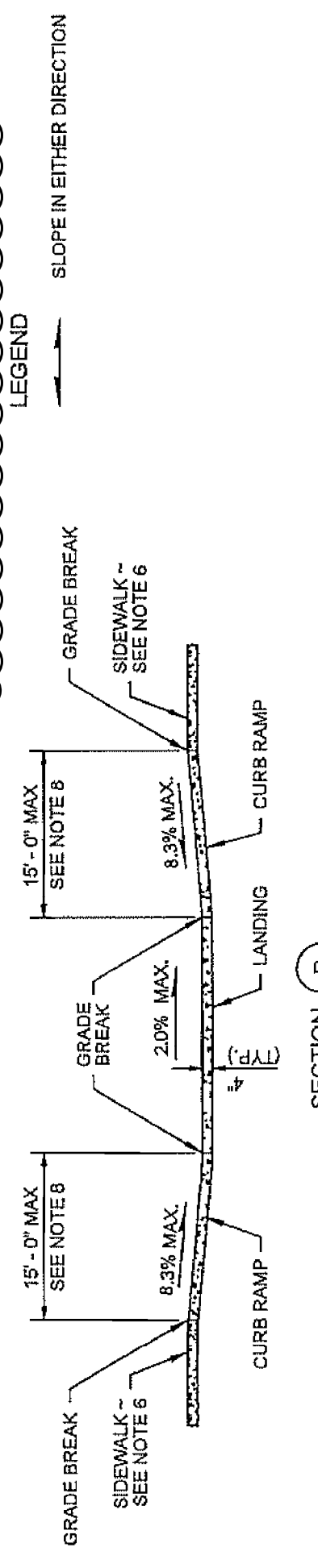
BRAND SOURCES
BRIAN SANCHEZ
REGISTERED PROFESSIONAL ENGINEER
STATE OF WASHINGTON
NO. 50986

DAVID ROMAN-SANCHEZ
REGISTERED PROFESSIONAL ENGINEER
STATE OF WASHINGTON
NO. 50986

- NOTES**
1. This plan is to be used where pedestrian crossing in one direction is not permitted.
 2. Curb ramp location shall be placed within the width of the associated crosswalk, or as shown in the Contract Plans.
 3. Where "GRADE BREAK" is called out, the entire length of the grade break between the two adjacent surface planes shall be flush.
 4. Do not place gratings, junction boxes, access covers or other appurtenances in front of the curb ramp or on any part of the curb ramp or landing.
 5. See the Contract Documents for the curb design specified.
See WSDOT STD Plan F-10.12 for Depressed Curb and Gutter and Pedestrian Curb details.
 6. See STD DWG 3-09 for Cement Concrete Sidewalk Details.
See contract plans for width and placement of sidewalk.
 7. The bid item "Cement Concrete Curb and Gutter Work" does not include the adjacent Curb or (Curb and Gutter), Depressed Curb and Gutter, Pedestrian Curb or Sidewalk, or the pedestrian crossing closure sign.
 8. The curb ramp maximum running slope shall not require the ramp length to exceed 15 feet to avoid chasing the slope indefinitely when connecting to steep grades. When applying the 15 foot maximum length, the running slope of the curb ramp shall be as flat as feasible.
 9. Curb ramps and landings shall receive broom finish.
 10. Pedestrian Curb may be omitted if the ground surface at the back of the Curb Ramp and/or landing will be at the same elevation as the Curb Ramp or Landing and there will be no material to retain.



11. CONCRETE SHALL BE CLASS 4000 PSI (MINIMUM).



NOTE: RAMPS LOCATED ON THE EAST SIDE OF 228TH AVENUE SHALL BE 6-IN CEMENT CONCRETE (TYP).

NOTE: "CEMENT CONCRETE FLATWORK" PAY LIMIT INCLUDES RAMPS, LANDINGS, SIDEWALK AND PEDESTRIAN CURBS

MODIFIED

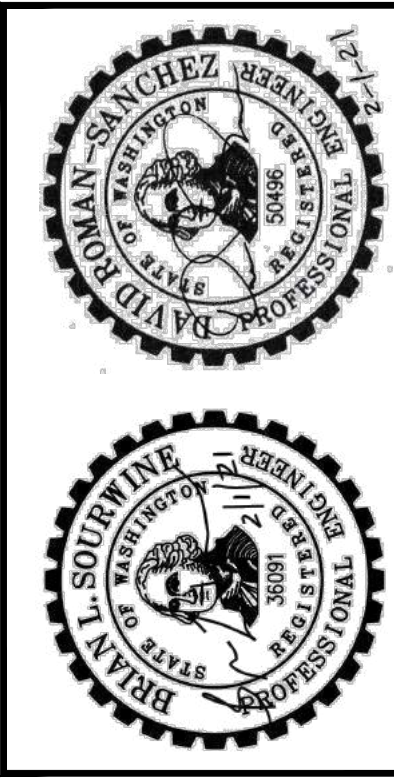
CITY OF SAMMAMISH
DEPARTMENT OF PUBLIC WORKS
SINGLE DIRECTION CURB RAMP

APPROVED BY	DATE	FILE
CITY ENGINEER		FIG02-08
DWN	XXX	XXX
CKD	XXX	XXX
DATE	AUG-XX-2015	

REV	DATE	APPD

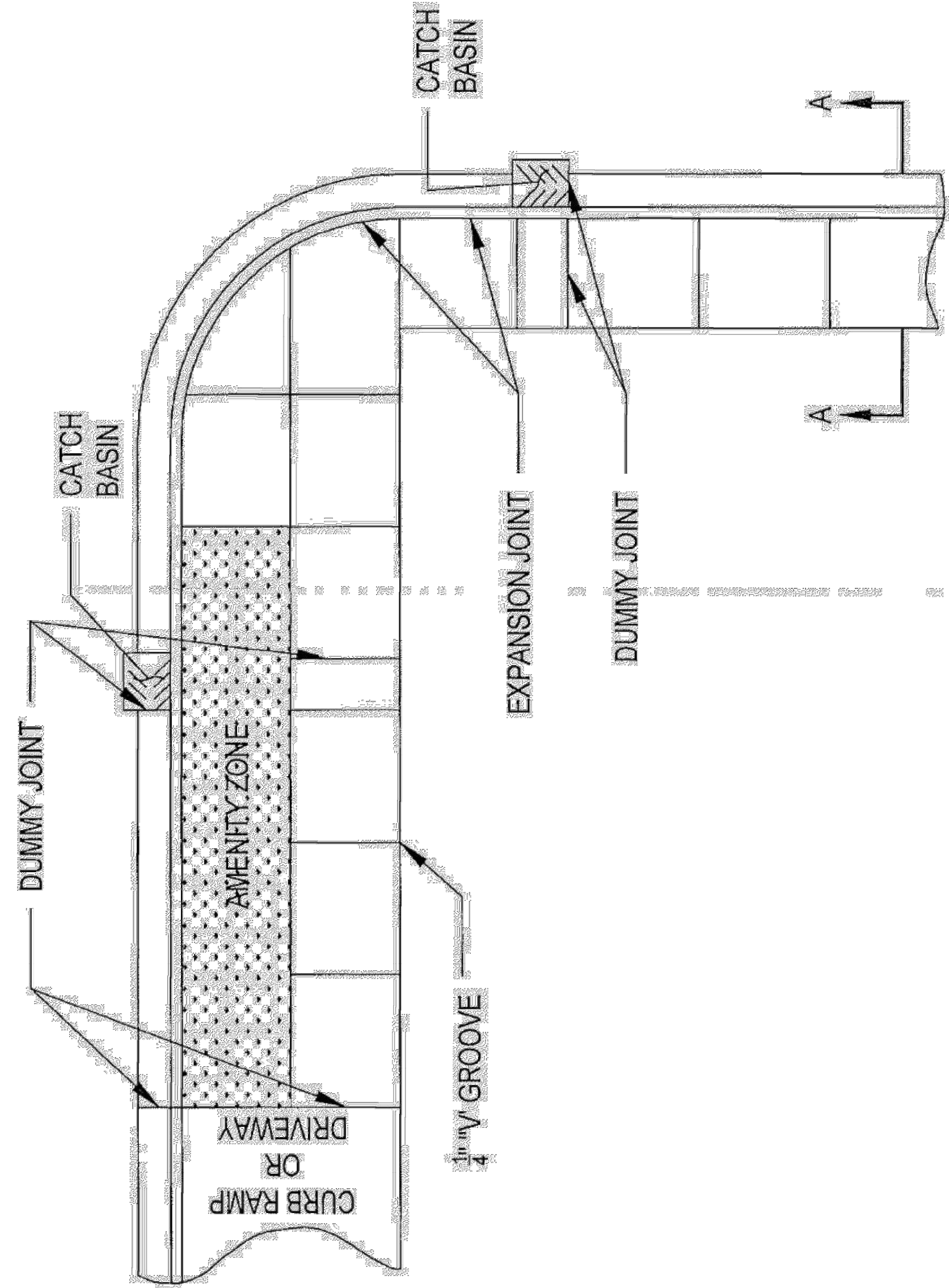
CITY OF SAMMAMISH
KING COUNTY WASHINGTON
228TH AVENUE CURB RAMP RETROFIT AND CATCH BASIN REPAIRS
RAMP DETAILS

SHEET: RPD-3
OF: 38
JOB NO.: 20495
DWG: RAMP STND DET



DATE:	FEB 2021
DRAWN:	DRS
CHECKED:	ONT
APPROVED:	BLS





DUMMY JOINT @ MAX. 15' C-C,
10' TYP, 15' MAX
EXPANSION JOINT
ALONG CURB
1/4" V GROOVE
@ MAX. 5' C-C

NOTES:
1. CONCRETE SHALL HAVE 4" PERIMETER EDGING,
CURB

2. SIDEWALK JOINTS SHOULD MATCH EXPANSION JOINTS.

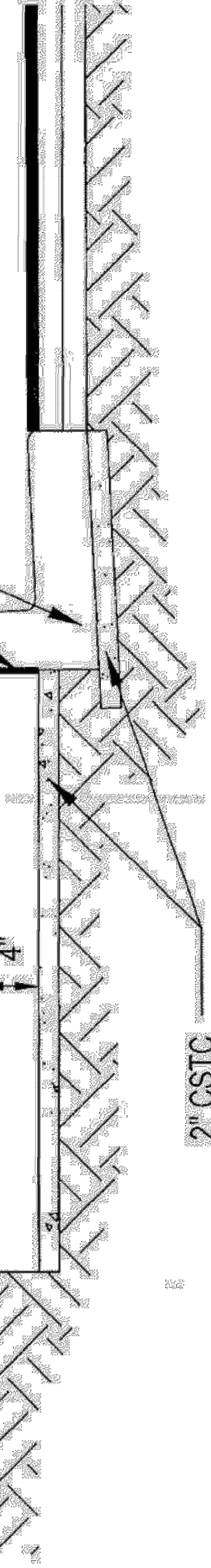
3. ALL CONCRETE MUST BE A MINIMUM OF 4,000 PSI MIX.

4. MAX SPACING BETWEEN EXPANSION JOINTS IS 15'-0"

VERTICAL CURB & SIDEWALK

NOTE: SIDEWALK ON THE EAST SIDE OF 228TH AVENUE SHALL BE 6-IN CEMENT CONCRETE (TYP).

3/8" TYP EXPANSION JOINT FOR CURB AND GUTTER USE STD DWG 3-08a

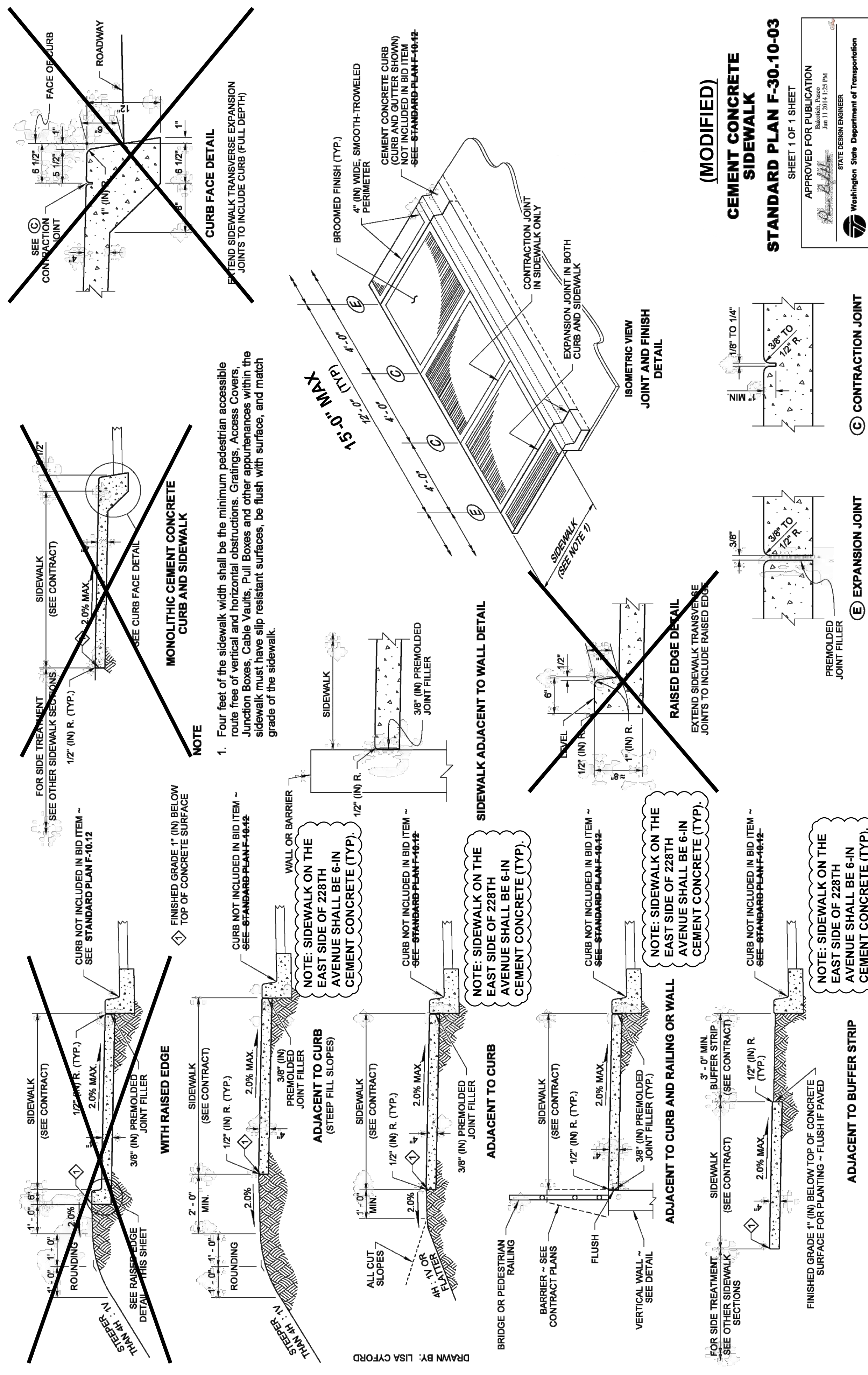


(MODIFIED)

CITY OF SAMMAMISH
DEPARTMENT OF PUBLIC WORKS

SIDEWALK

REV	DATE	DATE	DATE	DATE	FILE
					FIG03-06
APPROVED BY:	AWZ	AWZ	AWZ	AWZ	
CITY ENGINEER:	TTC	DWN	DWN	DWN	



(MODIFIED)
CEMENT CONCRETE SIDEWALK
STANDARD PLAN F-30.10-03
SHEET 1 OF 1 SHEET
APPROVED FOR PUBLICATION
March, 2015
Jan 13, 2015 PM
STATE DESIGN ENGINEER
Washington State Department of Transportation



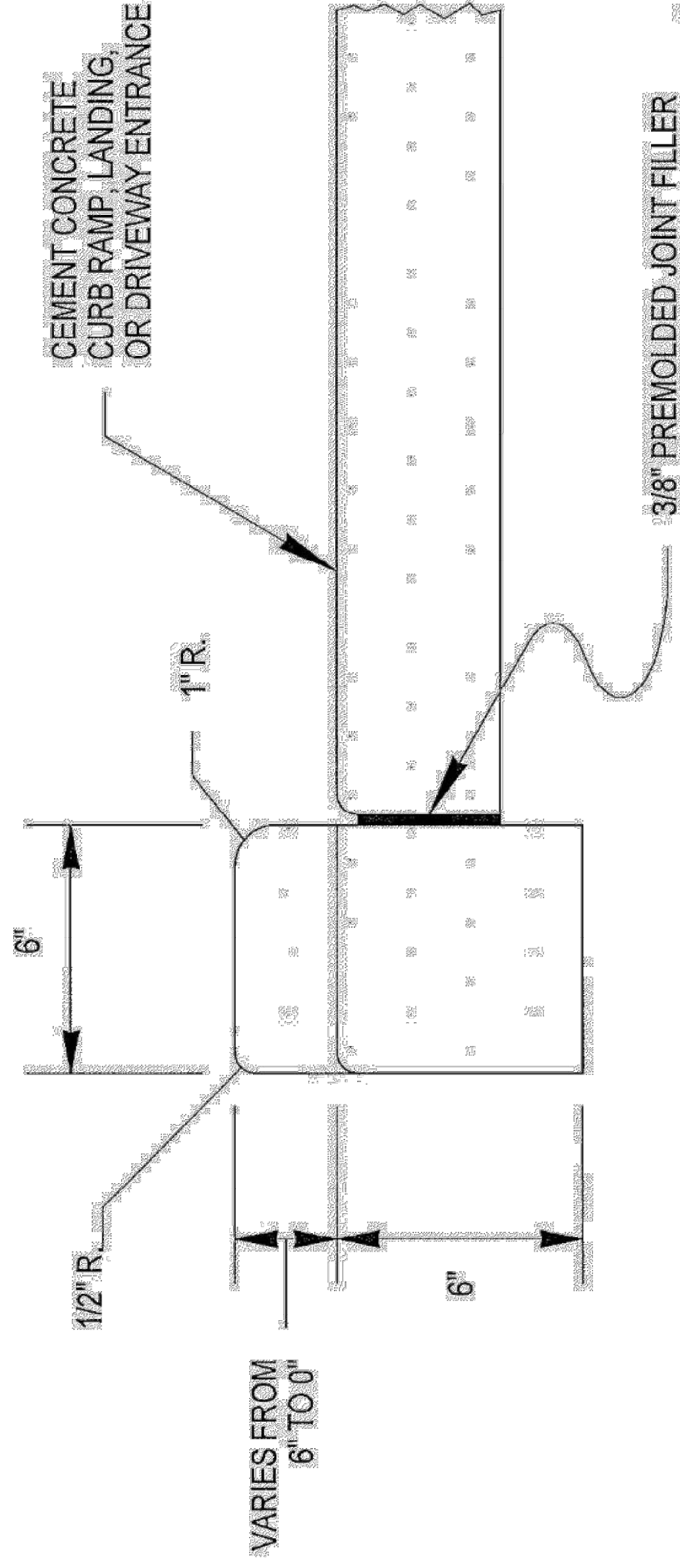
CITY OF SAMMAMISH
KING COUNTY WASHINGTON
228TH AVENUE CURB RAMP RETROFIT
AND CATCH BASIN REPAIRS
ROADWAY DETAILS

SHEET: RD-1
OF: 38
JOB NO.: 20495
DWG: ROAD DET

No.	REVISION	DATE	APPD

DATE:	FEB 2021
DRAWN:	DRS
CHECKED:	CNT
APPROVED:	BLS

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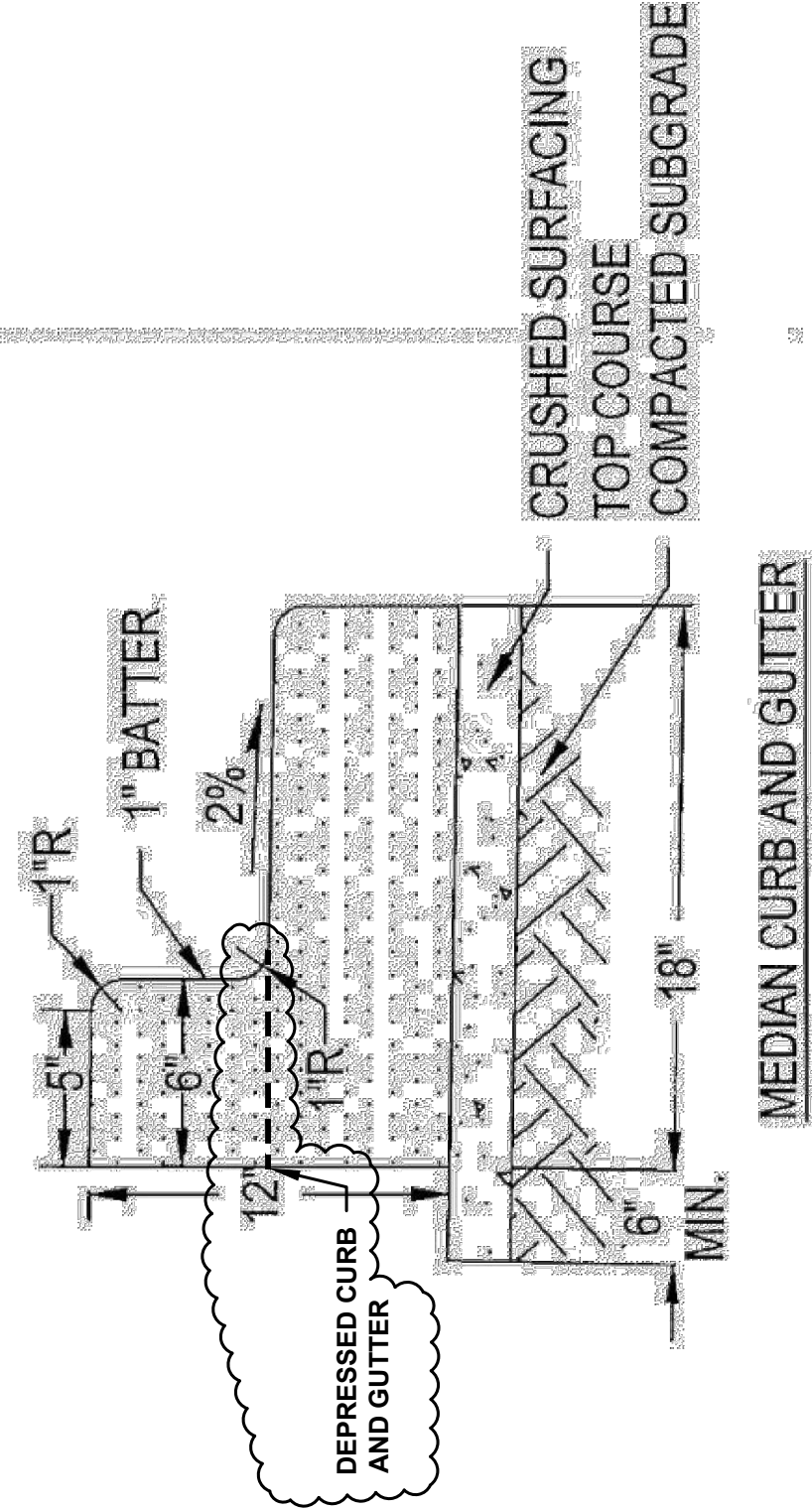
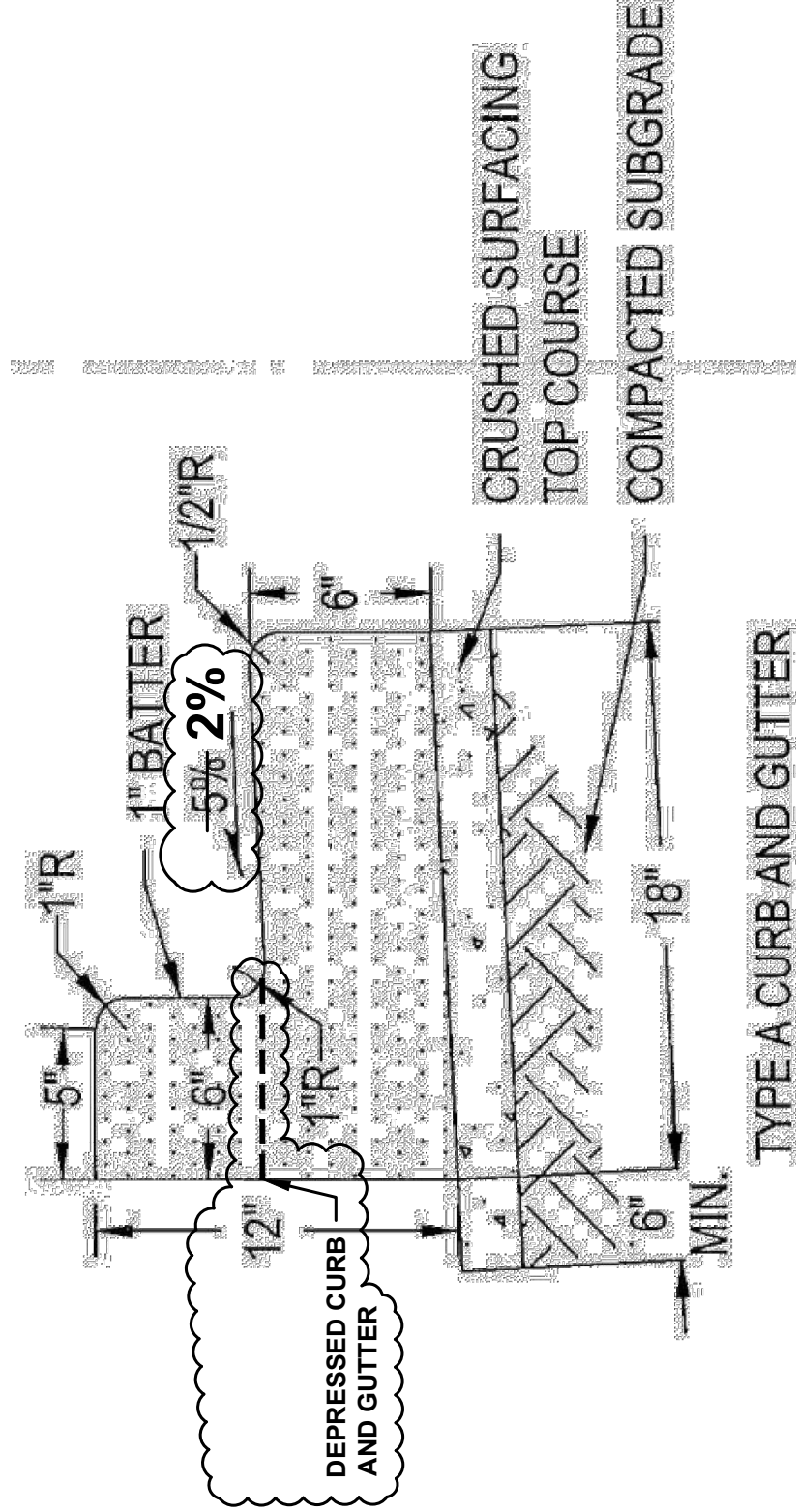


CITY OF SAMMAMISH
DEPARTMENT OF PUBLIC WORKS

PEDESTRIAN CURB

APPROVED BY: CITY ENGINEER DWN XXX DATE: AUG-XX-2015 FILE: FIG03-11

REV: _____



- NOTES:
- CONSTRUCT 10 FT LONG CURB TYPE TRANSITION BETWEEN DIFFERENT CURB TYPES.

MODIFIED

CITY OF SAMMAMISH
DEPARTMENT OF PUBLIC WORKS

CURBS

APPROVED BY: CITY ENGINEER DWN TTC AWZ DATE: AUG-XX-2015 FILE: FIG03-8a

REV: _____



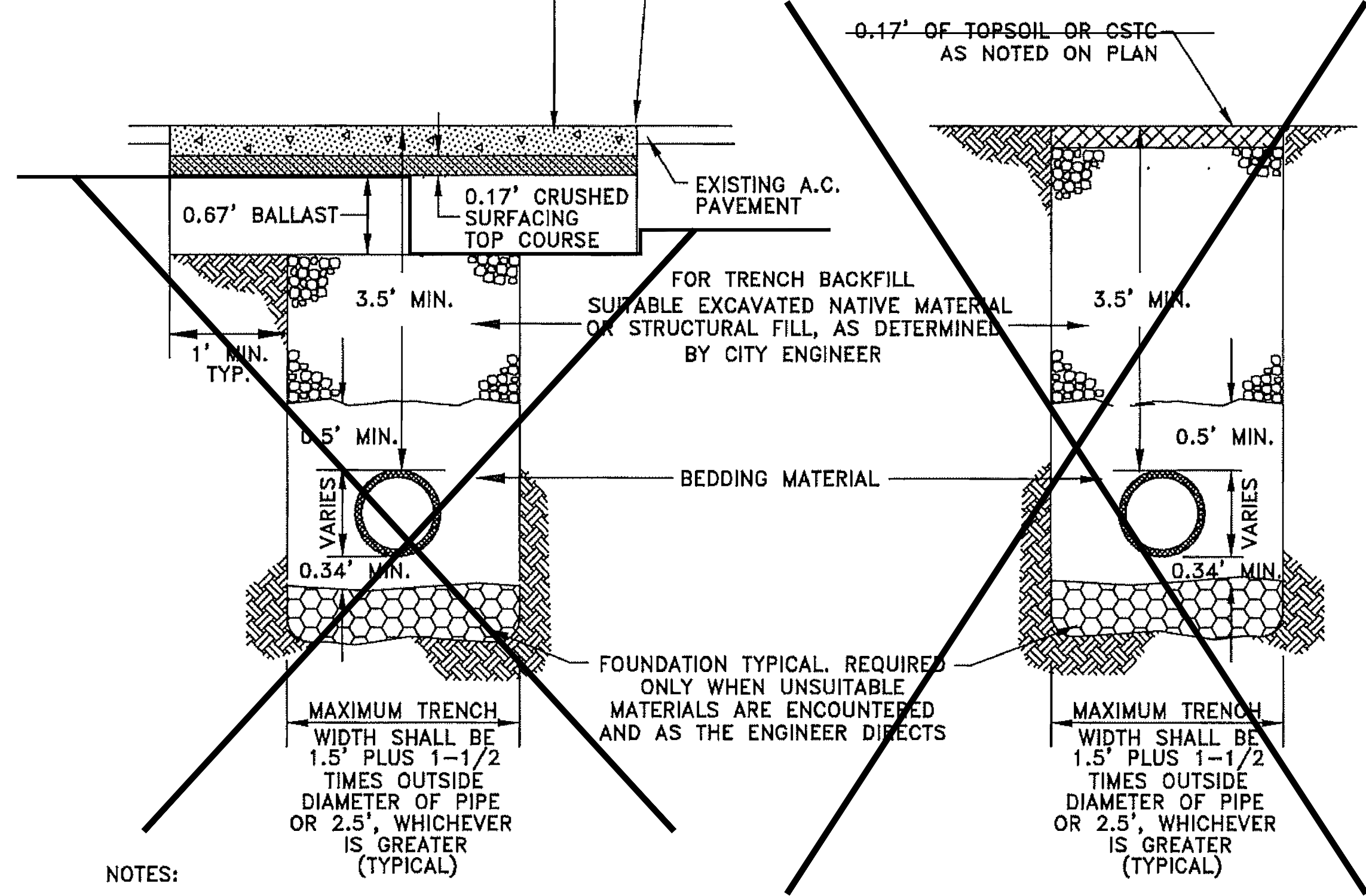
CITY OF SAMMAMISH
KING COUNTY WASHINGTON
228TH AVENUE CURB RAMP RETROFIT
AND CATCH BASIN REPAIRS
ROADWAY DETAILS

DATE: FEB 2021	DATE: FEB 2021
DRAWN: DRS	DATE: FEB 2021
CHECKED: CNT	DATE: FEB 2021
APPROVED: BLS	DATE: FEB 2021
REVISION	DATE APPD
No.	

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MINIMUM 8"
 MINIMUM 0.25" HMA CL 1/2"
 (COMPACTED DEPTH) OR EXISTING
 PLUS 0.08", WHICHEVER IS GREATER
 APPLIED IN MAXIMUM 0.17" LIFTS

EMULSIFIED ASPHALT GRADE
 CSS-1 TACK SHALL BE APPLIED
 TO EDGES OF EXISTING PAVEMENT.
 ALL JOINTS SHALL BE SEALED
 USING PAVING ASPHALT AR4000W.



- NOTES:
1. DIMENSIONS SHOWN ARE MINIMUM; GREATER THICKNESS MAY BE REQUIRED BY CITY ENGINEER.
 2. ALL MATERIALS EXCEPT A.C.P. AND BEDDING MATERIAL SHALL BE COMPACTED IN 6 INCH MAXIMUM LIFTS TO 95% DENSITY.
 3. BEDDING SHALL CONFORM TO SECTION 9-03.16 OF STANDARD SPECIFICATIONS.
 4. COMPACTION: BEDDING SHALL BE COMPACTED TO 95% MAX. AS DETERMINED BY ASTM D1557. BACKFILL SHALL BE COMPACTED TO 85% IN UNPAVED AREA, AND 95% IN PAVED OR SHOULDER AREAS AS DETERMINED BY ASTM D1557.
 5. ALL MATERIALS, WORKMANSHIP, AND INSTALLATION SHALL BE IN CONFORMANCE WITH THE LATEST VERSION OF WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION.
 6. KEEP TRENCH BOTTOM COMPACTED WITH UNIFORM GRADE. A BELL JOINT SHALL BE REQUIRED AT EACH JOINT FOR PROPER SUPPORT. NO TEMPORARY SUPPORTS, I.E. BLOCKS, WILL BE ALLOWED TO SUPPORT PIPE. TRENCH BOTTOM SHALL BE TO GRADE PRIOR TO PIPE INSTALLATION.

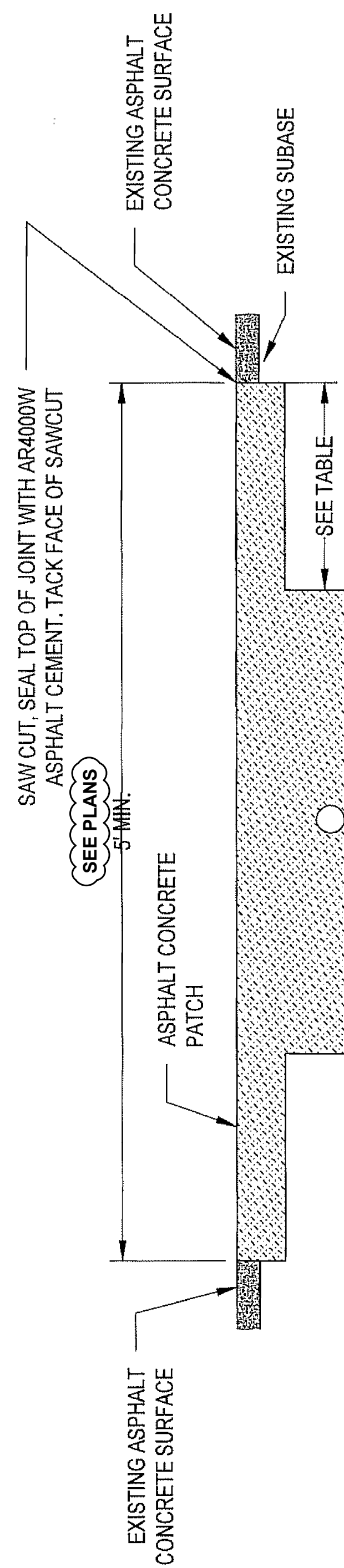
MODIFIED

CITY OF SAMMAMISH
 DEPARTMENT OF PUBLIC WORKS
TRENCH-PAVEMENT RESTORATION DETAIL

APPROVED BY _____ DATE _____
 CITY ENGINEER

DWN	CKD	DATE	FILE
XXX	XXX	AUG-XX-2015	FIG02-05a

REV			
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- NOTES:
1. ASPHALT CONCRETE MIX SHALL BE HMA CL 1/2 INCH.
 2. ASPHALT PATCHING AND TRENCH BACKFILL PER STD DWG 02-05A.
 3. SAW CUTS LIMITS MAY BE REVISED BASED UPON EXISTING CONDITIONS. PATCH MAY NEED TO EXTEND TO CONFIDENT ASPHALT.
 4. SAWCUTS NEED TO BE NEAT AND CLEAN PRIOR TO PAVING.

PAVEMENT CUT DIMENSIONS	
TRENCH DEPTH (FT)	MINIMUM CUT BEYOND TRENCH (FT) ALL FOUR SIDES
10	2.5
12	3.0
14	3.5
16	4.0
18	4.5
20	5.0

PAVEMENT LESS THAN 5 YEARS OLD
 ADDITIONAL RESTORATION WORK MAY BE REQUIRED

MODIFIED

CITY OF SAMMAMISH
 DEPARTMENT OF PUBLIC WORKS
FLEXIBLE PAVEMENT PATCHING

APPROVED BY _____ DATE _____
 CITY ENGINEER

DWN	CKD	DATE	FILE
XXX	XXX	AUG-XX-2015	FIG08-02

DATE: FEB 2021	DATE: AUG-XX-2015	DATE: _____	DATE: _____
DRAWN: DRS	CKD: XXX	DATE: _____	DATE: _____
CHECKED: CNT	FILE: FIG08-02		
APPROVED: BLS			

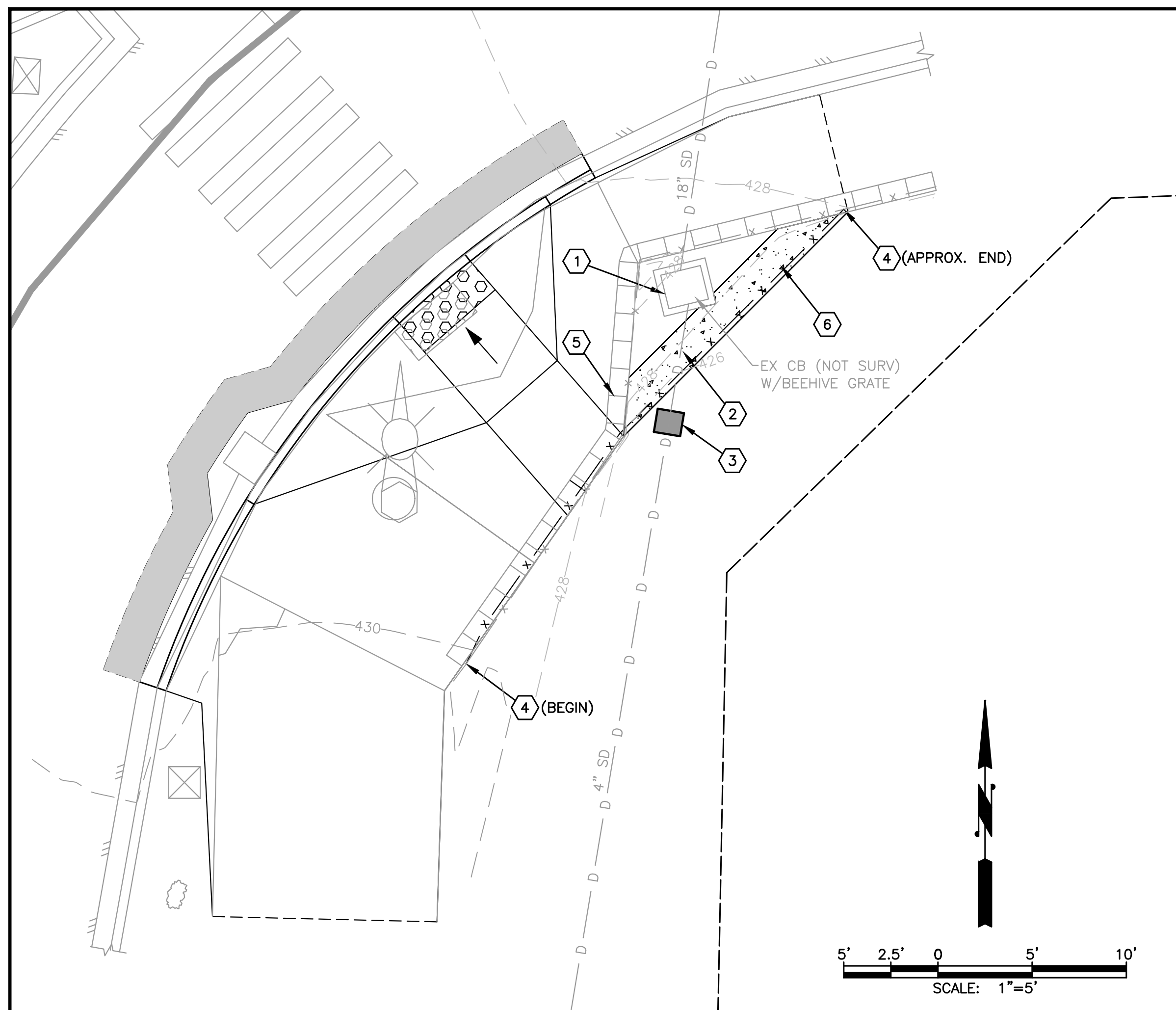
CITY OF SAMMAMISH
 KING COUNTY WASHINGTON
 228TH AVENUE CURB RAMP RETROFIT AND CATCH BASIN REPAIRS
 ROADWAY DETAILS

SHEET: **RD-3**
 OF: **38**

JOB NO.: 20495
 DWG: ROAD DET

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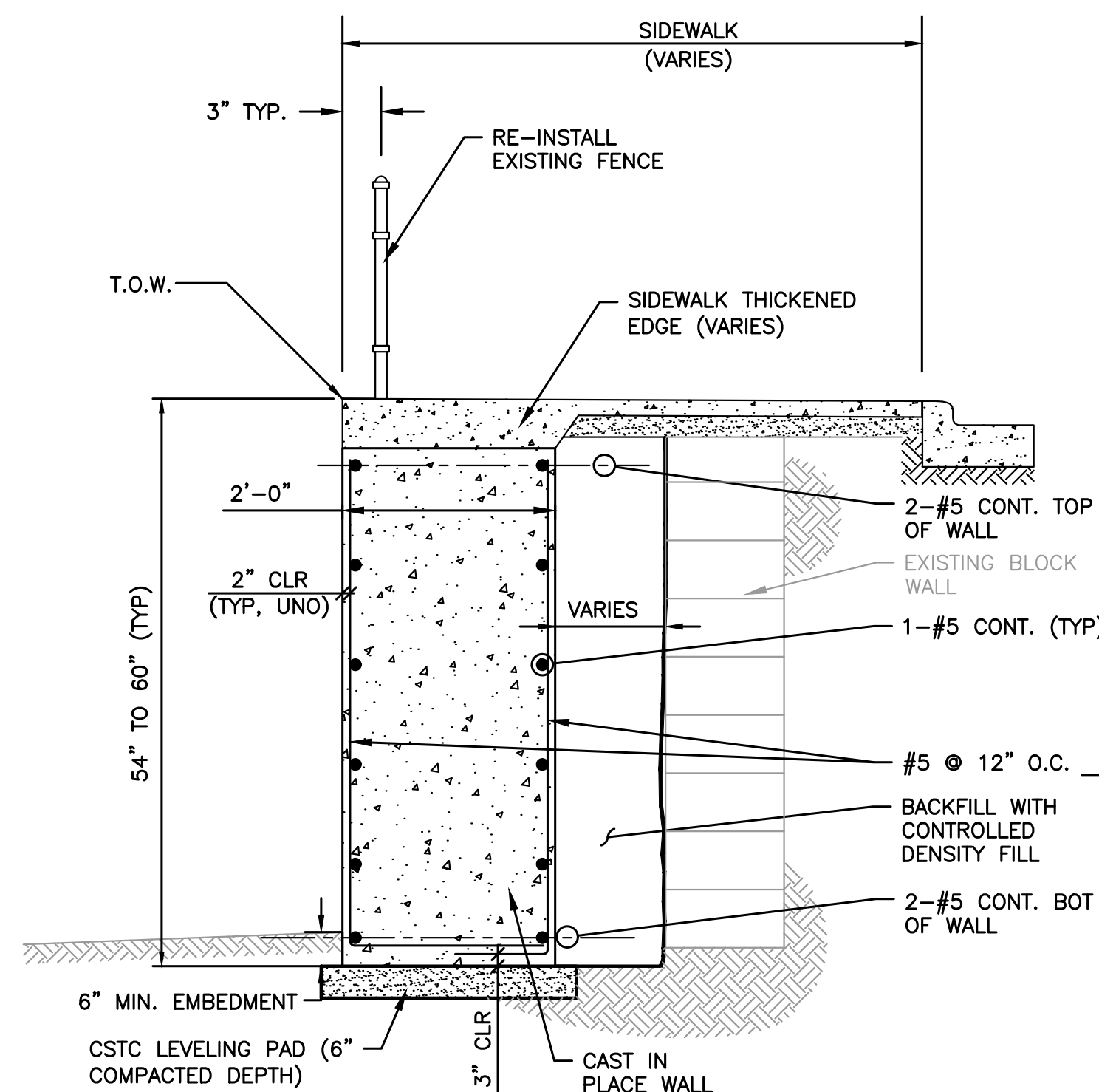
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WALL PLAN
SCALE NOTED

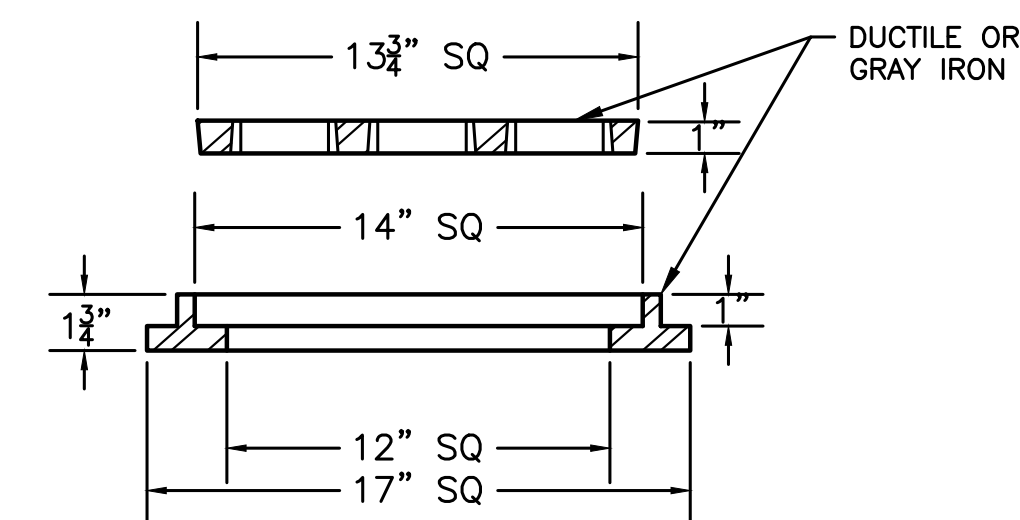
WALL CONSTRUCTION NOTES

1. REMOVE AND WASTEHAUL EXISTING BEEHIVE GRATE. ADJUST CATCH BASIN TO FINISHED SIDEWALK GRADE WITH RISERS AS NEEDED AND SLIP RESISTANT SOLID LID.
2. PROTECT EXISTING SHALLOW DRAIN LINE.
3. INSTALL AREA DRAIN WITH BEEHIVE GRATE ON EXISTING DRAIN LINE.
4. REMOVE AND REINSTALL EXISTING FENCE. PROVIDE NEW MATCHING POSTS AND/OR HARDWARE/FITTINGS AS NECESSARY.
5. PROTECT EXISTING WALL. REMOVE EXISTING SIDEWALK AND THICKENED EDGE.
6. PROVIDE NEW CAST IN PLACE WALL.

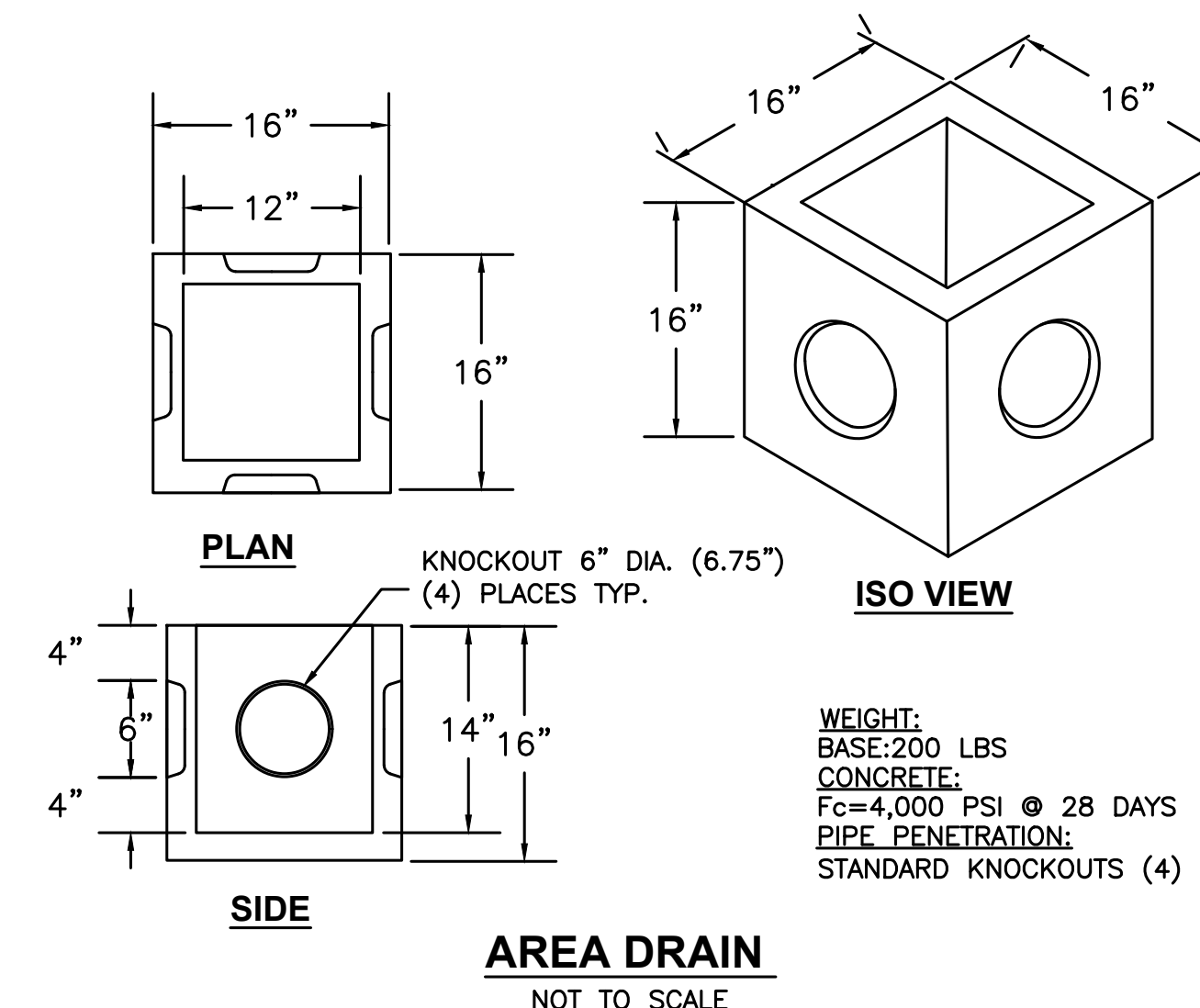


BLOCK WALL NOTES:

1. ALL LOOSE SOIL AT WALL FOUNDATION SHALL BE OVER EXCAVATED AND REPLACED WITH COMPACTED BACKFILL AS DESCRIBED ABOVE. THE EXCAVATION SHALL BE KEPT FREE OF WATER.



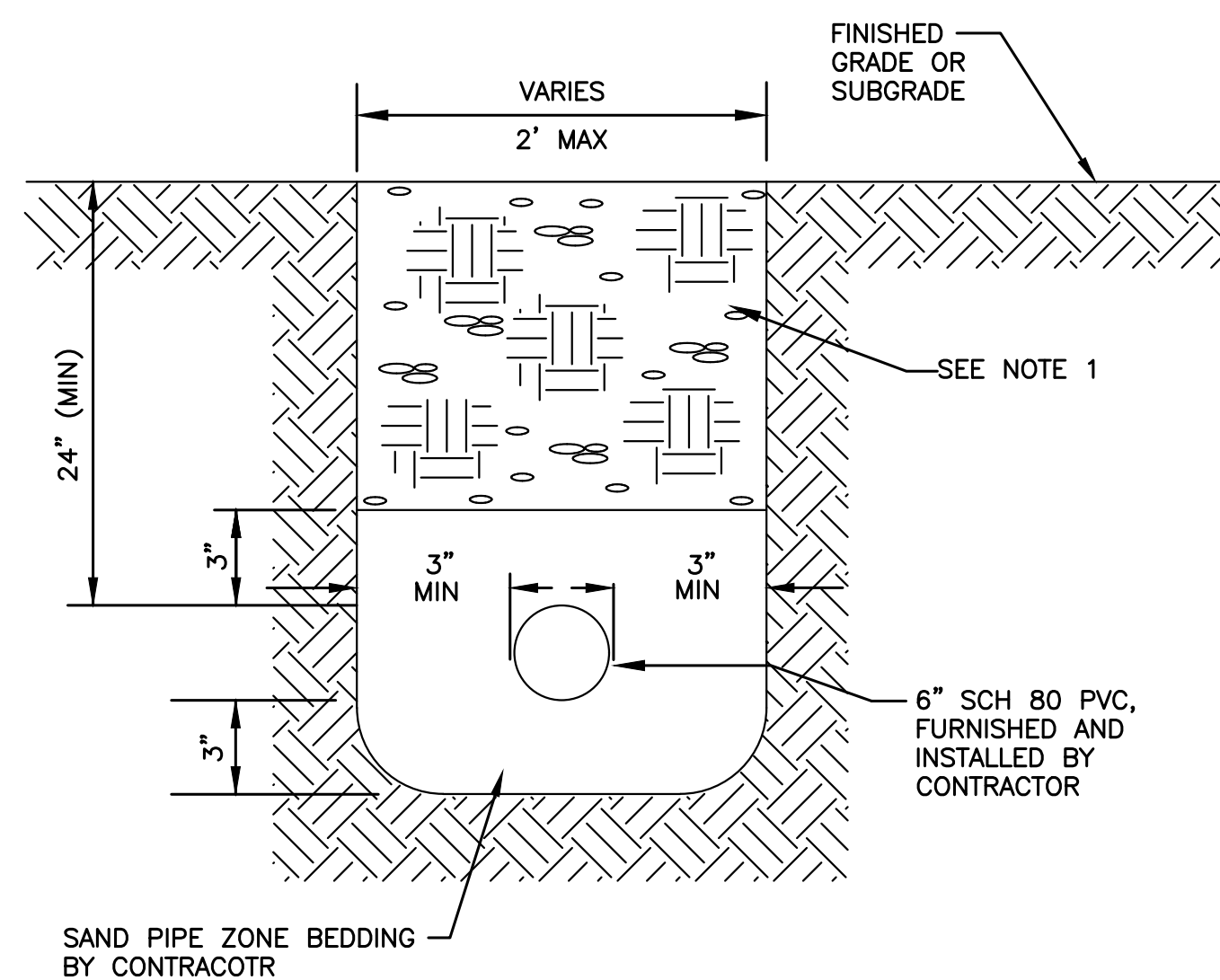
AREA DRAIN FRAME AND GRATE
NOT TO SCALE



AREA DRAIN
NOT TO SCALE

CAST IN PLACE WALL SECTION

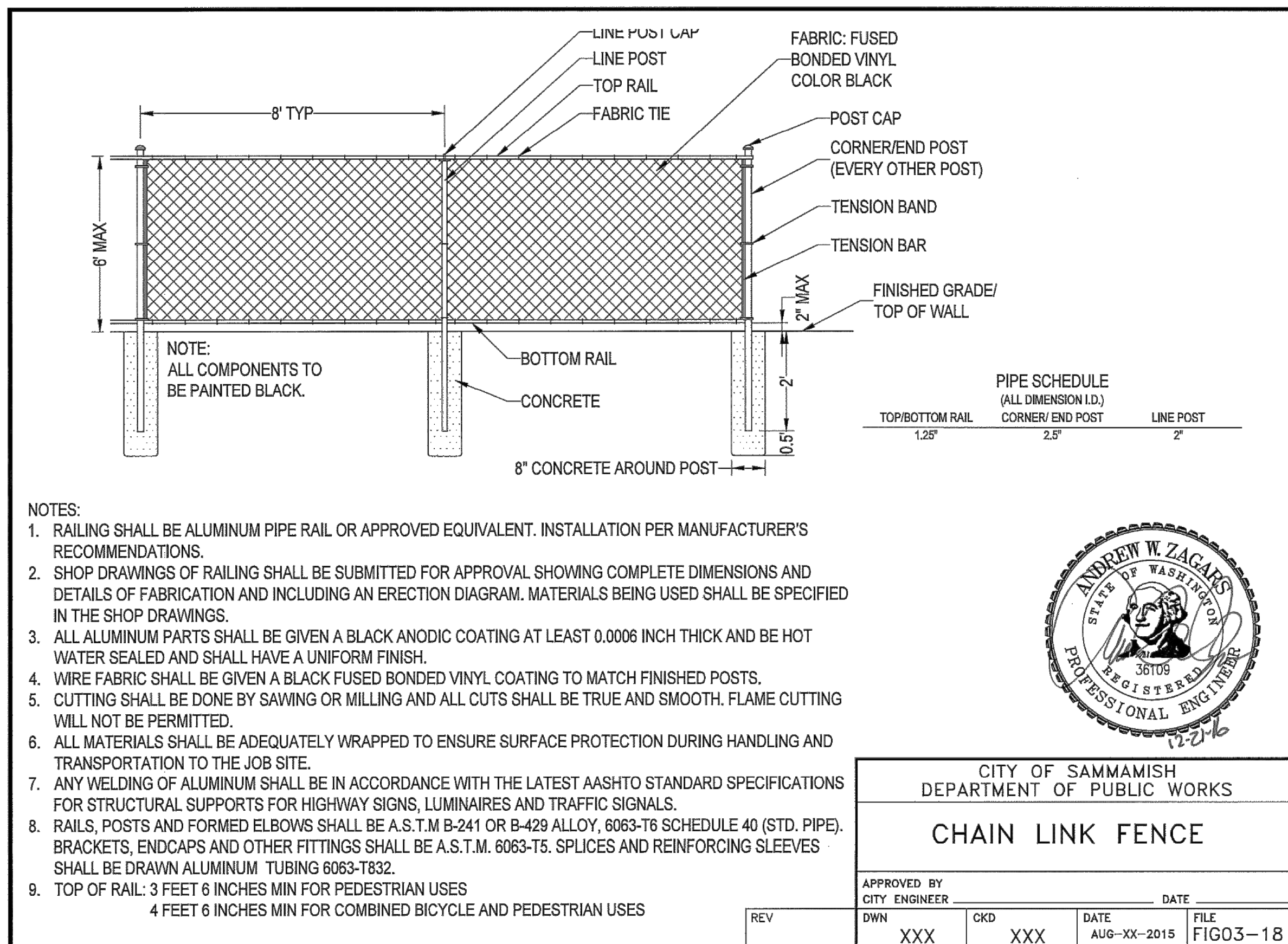
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NOTES:

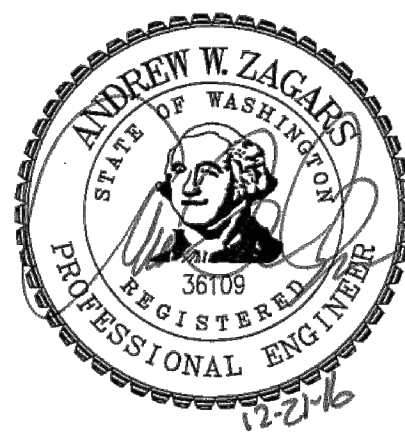
1. BACKFILL TRENCH WITH CONTROLLED DENSITY FILL. PATCH WITH 8" COMPACTED DEPTH HMA.
2. CONTRACTOR SHALL FURNISH AND INSTALL CAPS ON ENDS OF ALL SLEEVES
3. EXTEND CONDUIT MINIMUM 1-FT BEYOND BACK OF CURB. MARK LOCATIONS WITH 2-FT LENGTH PRESSURE TREATED 2 x 4, FLUSH WITH SURFACE. PROTECT EXISTING CURB/GUTTER.

TYPICAL IRRIGATION SLEEVE TRENCH SECTION
NOT TO SCALE



NOTES:

1. RAILING SHALL BE ALUMINUM PIPE RAIL OR APPROVED EQUIVALENT. INSTALLATION PER MANUFACTURER'S RECOMMENDATIONS.
2. SHOP DRAWINGS OF RAILING SHALL BE SUBMITTED FOR APPROVAL SHOWING COMPLETE DIMENSIONS AND DETAILS OF FABRICATION AND INCLUDING AN ERECTION DIAGRAM. MATERIALS BEING USED SHALL BE SPECIFIED IN THE SHOP DRAWINGS.
3. ALL ALUMINUM PARTS SHALL BE GIVEN A BLACK ANODIC COATING AT LEAST 0.0006 INCH THICK AND BE HOT WATER SEALED AND SHALL HAVE A UNIFORM FINISH.
4. WIRE FABRIC SHALL BE GIVEN A BLACK FUSED BONDED VINYL COATING TO MATCH FINISHED POSTS.
5. CUTTING SHALL BE DONE BY SAWING OR MILLING AND ALL CUTS SHALL BE TRUE AND SMOOTH. FLAME CUTTING WILL NOT BE PERMITTED.
6. ALL MATERIALS SHALL BE ADEQUATELY WRAPPED TO ENSURE SURFACE PROTECTION DURING HANDLING AND TRANSPORTATION TO THE JOB SITE.
7. ANY WELDING OF ALUMINUM SHALL BE IN ACCORDANCE WITH THE LATEST AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS.
8. RAILS, POSTS AND FORMED ELBOWS SHALL BE A.S.T.M B-241 OR B-429 ALLOY, 6063-T6 SCHEDULE 40 (STD. PIPE). BRACKETS, ENDCAPS AND OTHER FITTINGS SHALL BE A.S.T.M. 6063-T5. SPLICES AND REINFORCING SLEEVES SHALL BE DRAWN ALUMINUM TUBING 6063-T832.
9. TOP OF RAIL: 3 FEET 6 INCHES MIN FOR PEDESTRIAN USES
4 FEET 6 INCHES MIN FOR COMBINED BICYCLE AND PEDESTRIAN USES



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DEPARTMENT OF PUBLIC WORKS

CHAIN LINK FENCE

APPROVED BY
CITY ENGINEER

DATE

REV	DWN	CKD	DATE	FILE
	XXX	XXX	AUG-XX-2015	FIG03-18

REV. NO. X



DATE: FEB 2021	DRS	CNT	BLS
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CHECKED:	CNT	CNT	BLS
APPROVED:	CNT	CNT	BLS

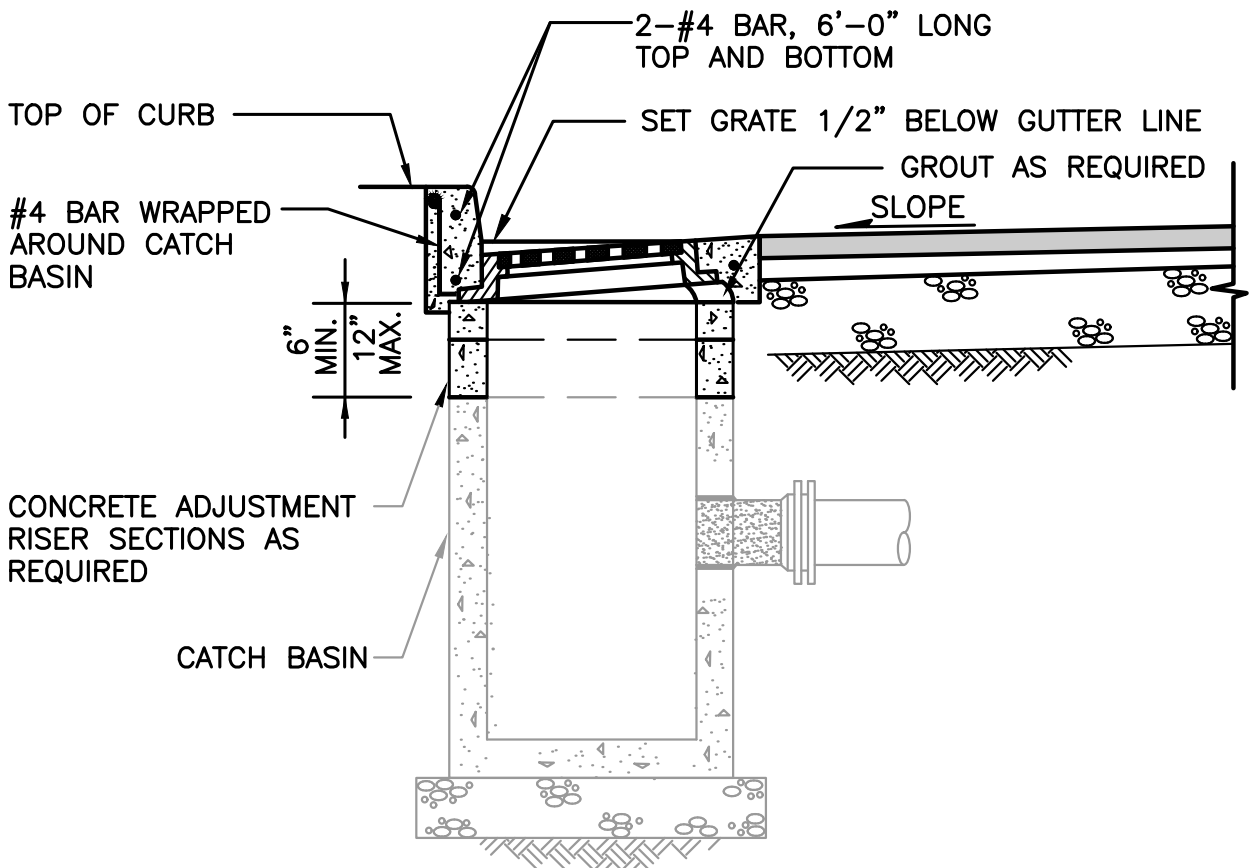
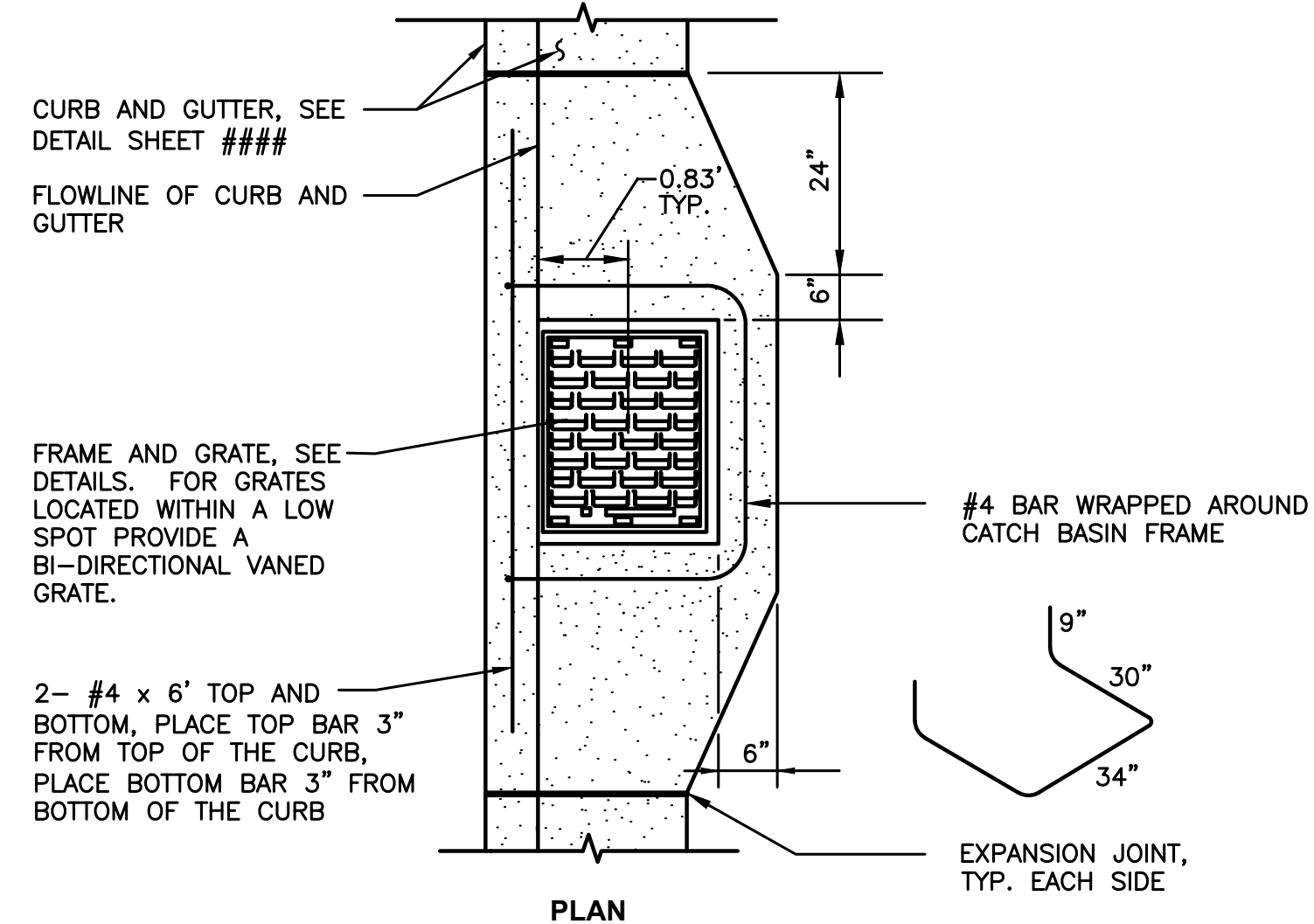
DATE	APPD
REVISION	No.



CITY OF SAMMAMISH
WASHINGTON
KING COUNTY
228TH AVENUE CURB RAMP RETROFIT
AND CATCH BASIN REPAIRS
ROADWAY DETAILS

SHEET: ###
OF: 38
JOB NO.: 20495
DWG: WALL

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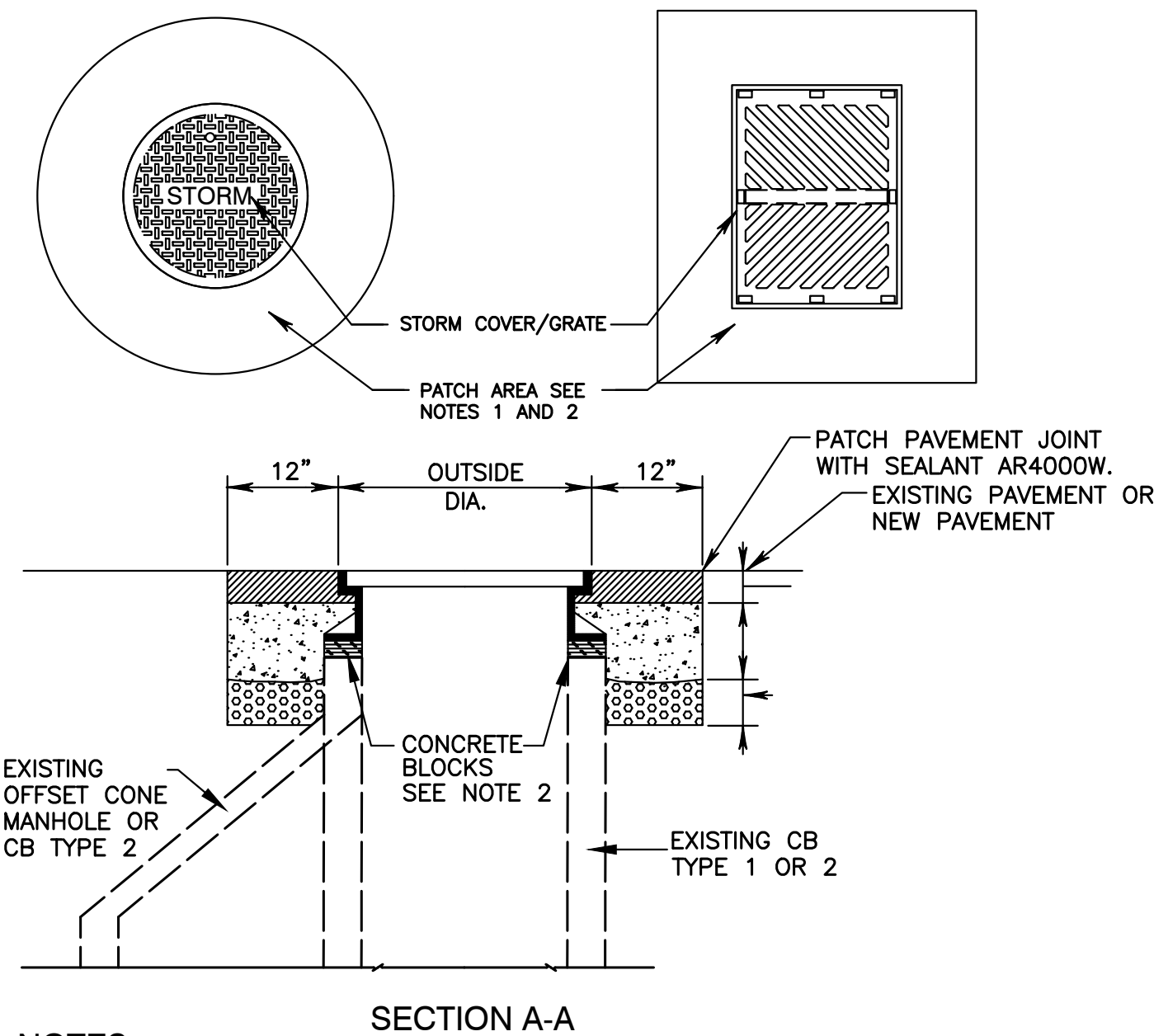


NOTE: AN APPROVED MATERIAL WHICH WILL PREVENT BONDING OF THE CURB TO FRAME, GRATE OR CATCH BASIN SHALL BE USED.

ELEVATION

CURB AND GUTTER INSTALLATION AT CATCH BASIN DETAIL

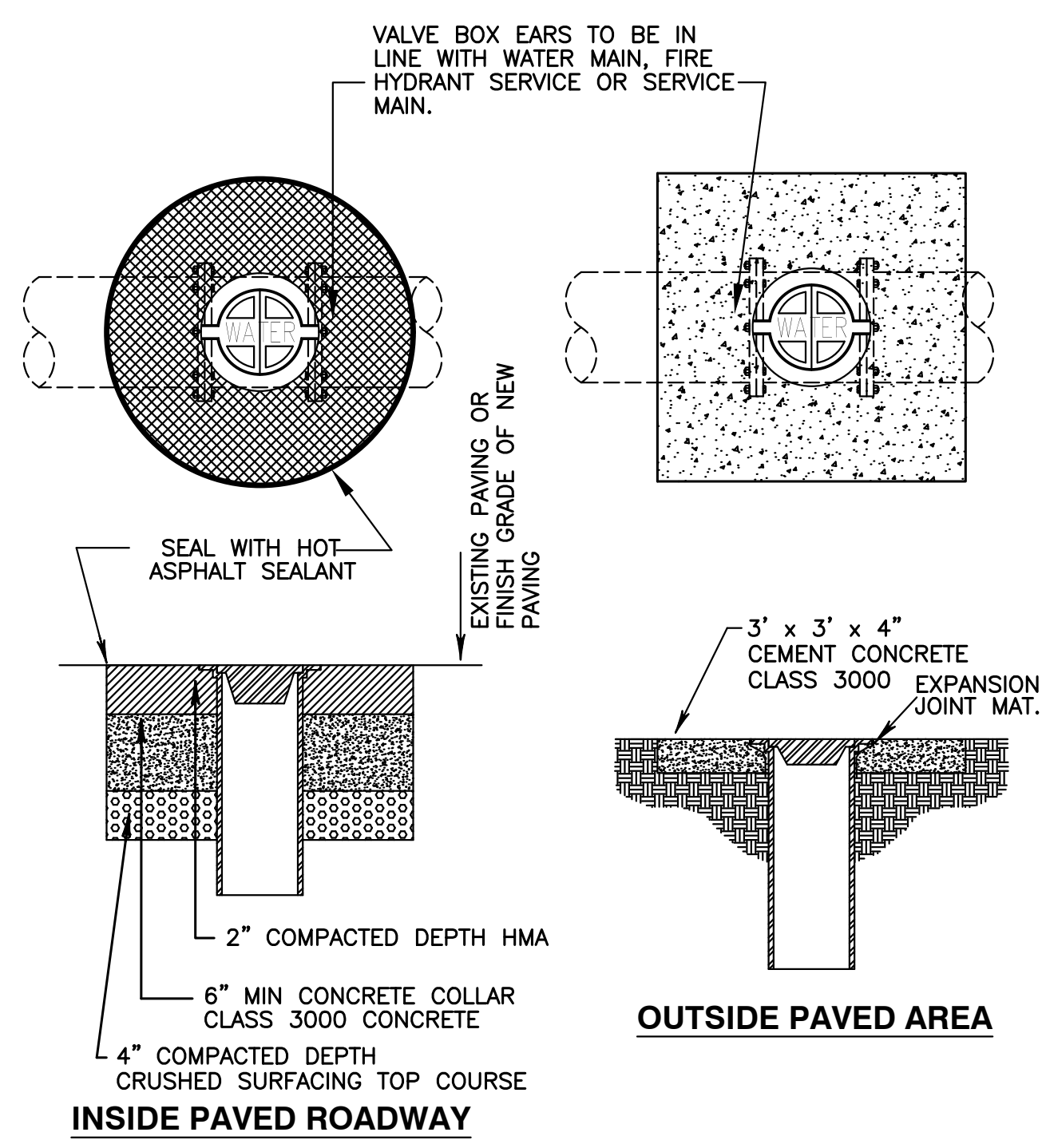
NOT TO SCALE



- NOTES:
1. REMOVE PAVEMENT AND BASE MATERIALS FOR A DISTANCE WHICH IS EQUAL TO THE DIAMETER OF THE FRAME PLUS TWO FEET. ADJUST CASTING FRAME TO NEW PAVEMENT SURFACE USING CONCRETE BLOCKS & CONCRETE GROUT.
 2. 2"x4"x8" SOLID BRICK USED FOR FINAL ADJUSTMENT TO GRADE. 6" HIGH MAX.

MANHOLE-FRAME AND COVER ADJUSTMENT DETAIL

NOT TO SCALE



VALVE BOX ADJUSTMENT DETAIL

NOT TO SCALE

CITY OF SAMMAMISH
DEPARTMENT OF PUBLIC WORKS

VANED GRATE

APPROVED BY	DATE	CKD	DATE	FILE
CITY ENGINEER		XXX	AUG-XX-2015	FIG07-16
DWN		XXX		

FOR SLOT DETAIL
SEE STD DWG 7-17

NOTES:

1. SELF-LOCK VANED GRATE MANUFACTURER SUBJECT TO APPROVAL BY THE DIRECTOR OR DESIGNEE.
2. USE WITH TWO LOCKING BOLTS 5/8"-11 NC STAINLESS TYPE 304 STEEL SOCKET HEAD (ALLEN HEAD) CAP SCREWS 2" LONG.
3. MATERIAL SHALL BE DUCTILE IRON ASTM A536 GRADE 80-55-06.
4. "OUTFALL TO STREAM DUMP NO POLLUTANTS" MAY BE LOCATED ON THE BORDER AREA.

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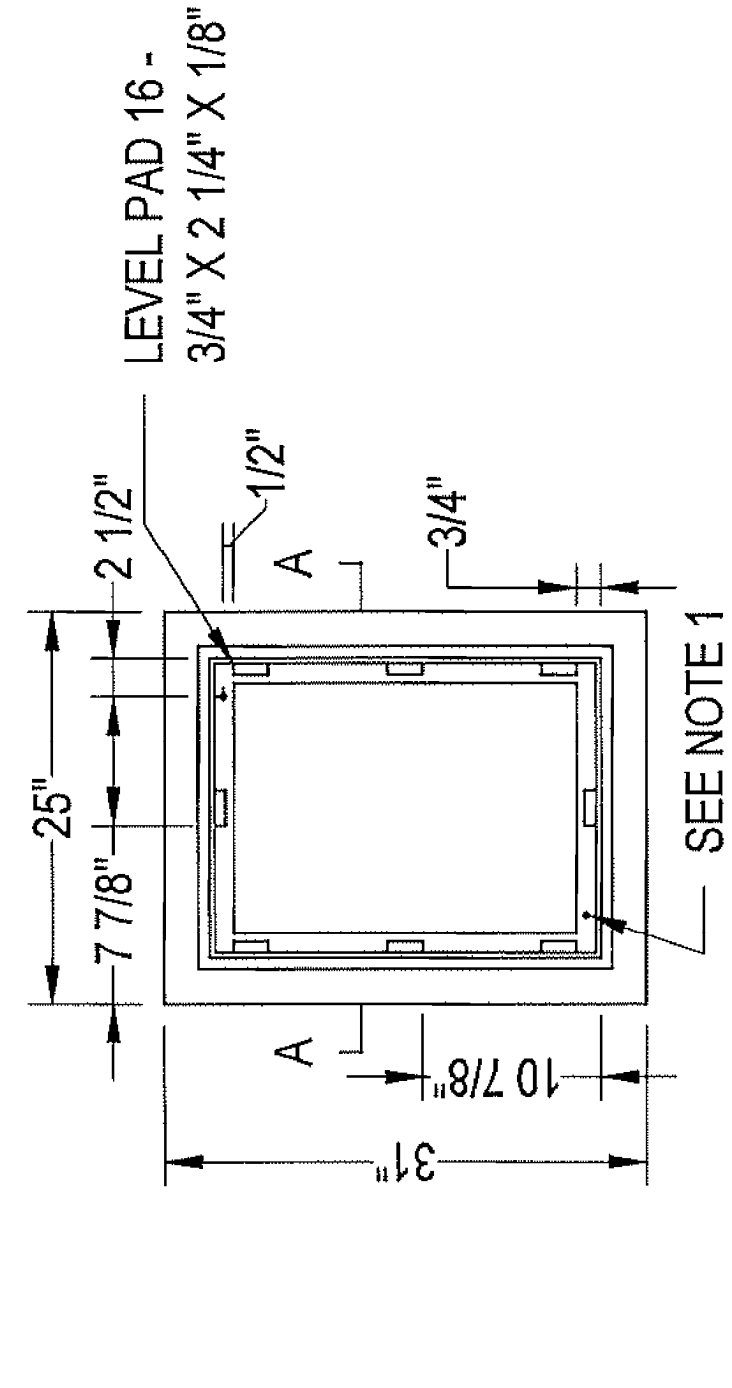
DATE: FEB 2021	DRS	CKD	DATE	FILE
	CNT	XXX	AUG-XX-2015	FIG07-16

REVISION	DATE

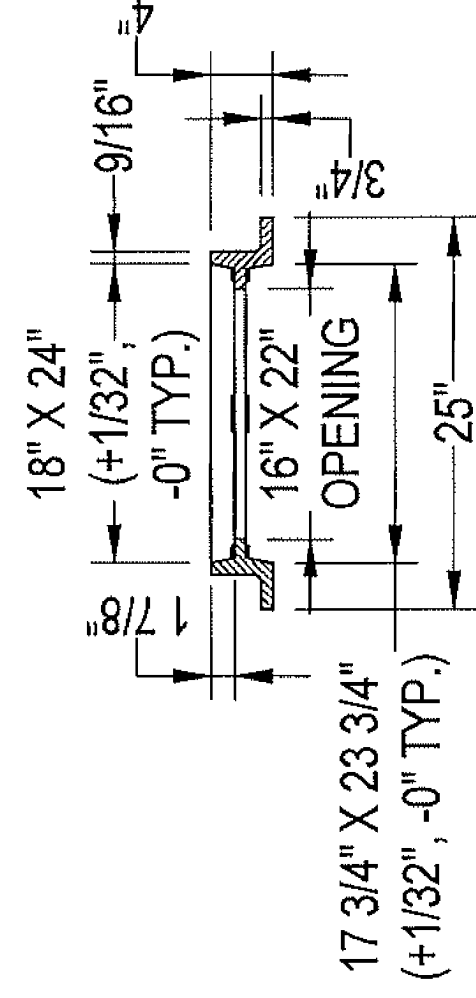
CITY OF SAMMAMISH
KING COUNTY WASHINGTON
228TH AVENUE CURB RAMP RETROFIT
AND CATCH BASIN REPAIRS

STORM DETAILS

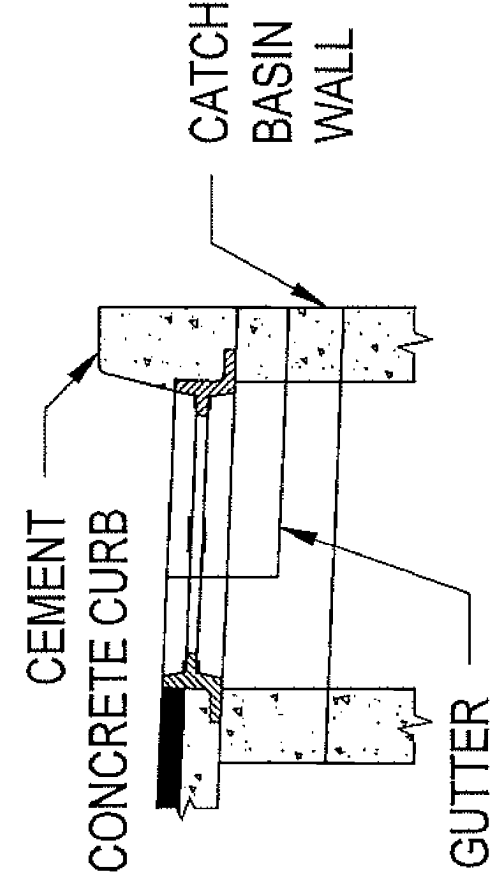
SHEET: SD-1	JOB NO.: 20495
OF: 38	DWG: ROAD STND DET



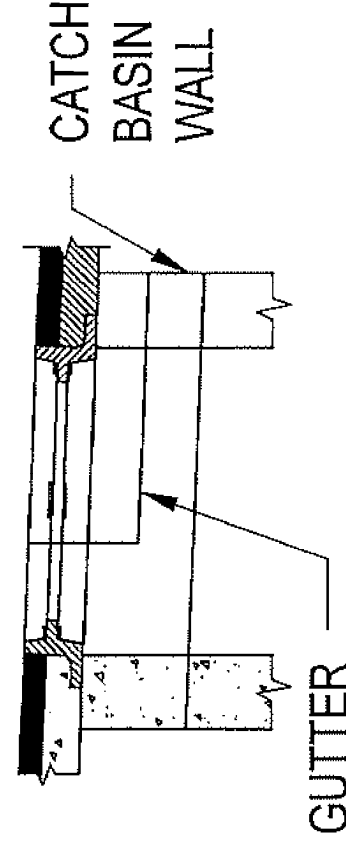
PLAN



SECTION A-A



CURB



NO CURB

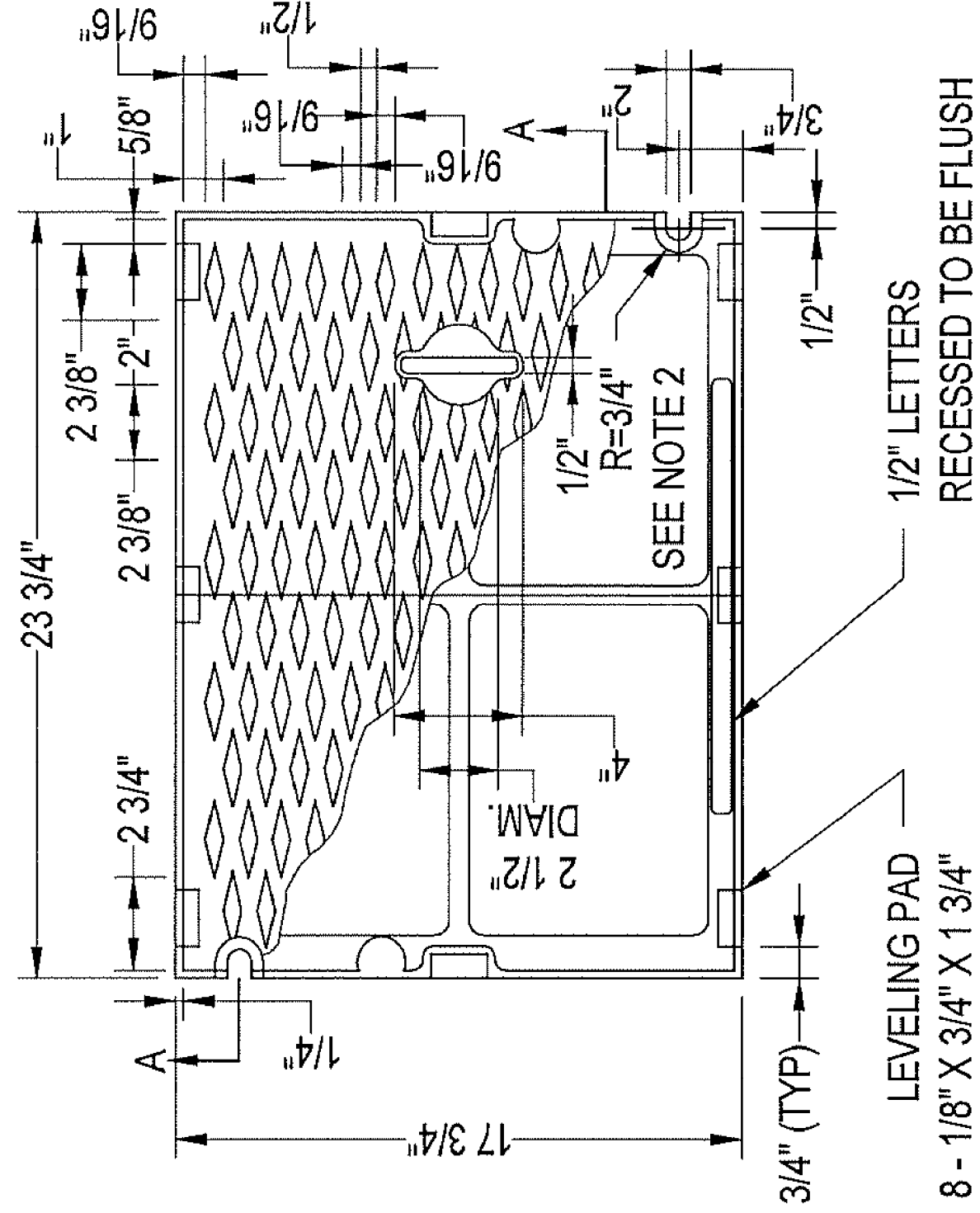


NOTES:
 1. TWO LOCKING BOLTS 5/8"-11 NC STAINLESS TYPE 304 STEEL SOCKET HEAD (ALLEN HEAD) CAP SCREWS 2" LONG WHEN USED WITH SOLID COVER (STND DWG 7-19) OR WHEN SPECIFIED BY ENGINEER.

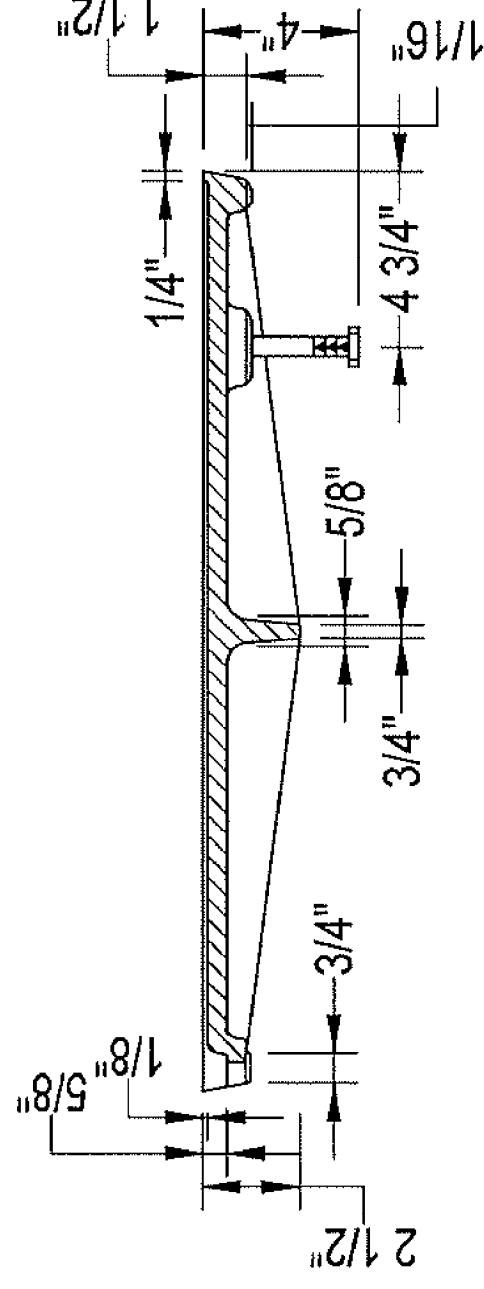
2. FRAME MATERIAL SHALL BE CAST IRON PER ASTM A48 CLASS 30.
 3. SET FRAME TO GRADE & CONSTRUCT ROAD & GUTTER TO BE FLUSH WITH FRAME.

CITY OF SAMMAMISH
 DEPARTMENT OF PUBLIC WORKS
STANDARD FRAME INSTALLATION

APPROVED BY CITY ENGINEER	DATE	FILE
DWN XXX	AUG-XX-2015	FIG07-18
REV	CKD XXX	

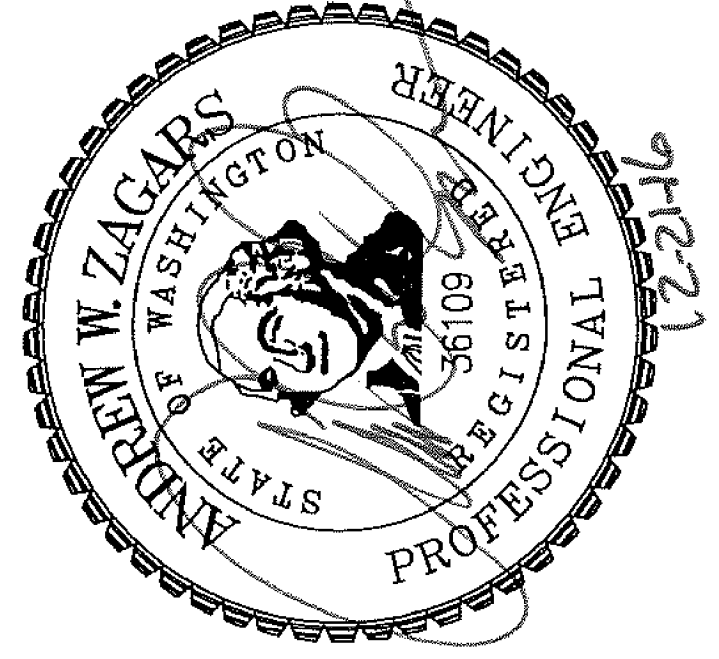


PLAN COVER



SECTION A-A

NOTES:
 1. USE WITH FRAME (SEE STD DWG 7-18) DRILLED & TAPPED FOR LOCKING BOLTS.
 2. FOR FRAME AND GRATES WITHIN THE TRAVEL LANE USE, FOUR LOCKING BOLTS.
 3. USE WITH TWO LOCKING 5/8"-11 NC STAINLESS STEEL TYPE 304 STEEL SOCKET HEAD (ALLEN HEAD) CAP SCREWS 2" LONG.
 4. MATERIAL SHALL BE CAST IRON PER ASTM A48 CLASS 30.



CITY OF SAMMAMISH
 DEPARTMENT OF PUBLIC WORKS
SOLID COVER

APPROVED BY CITY ENGINEER	DATE	FILE
DWN XXX	AUG-XX-2015	FIG07-19
REV	CKD XXX	

CITY OF SAMMAMISH
 KING COUNTY WASHINGTON
 228TH AVENUE CURB RAMP RETROFIT
 AND CATCH BASIN REPAIRS
 STORM DETAILS

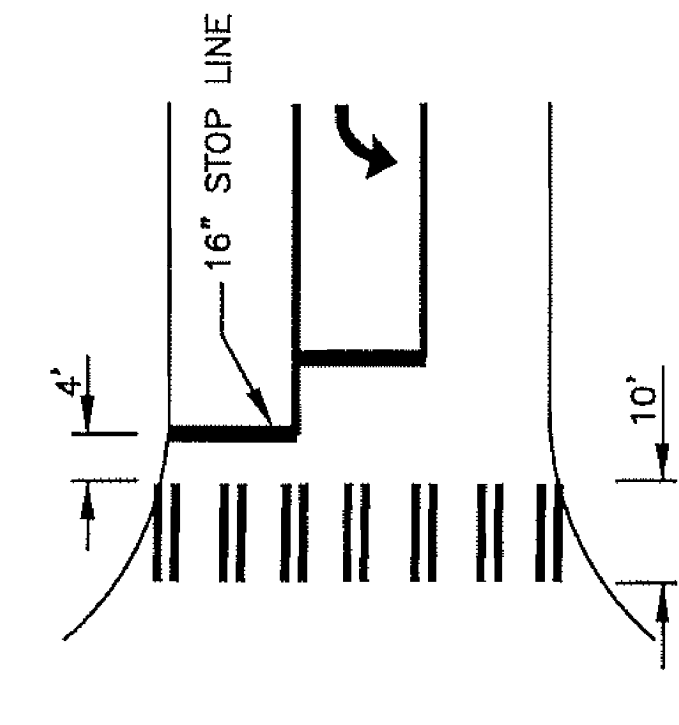
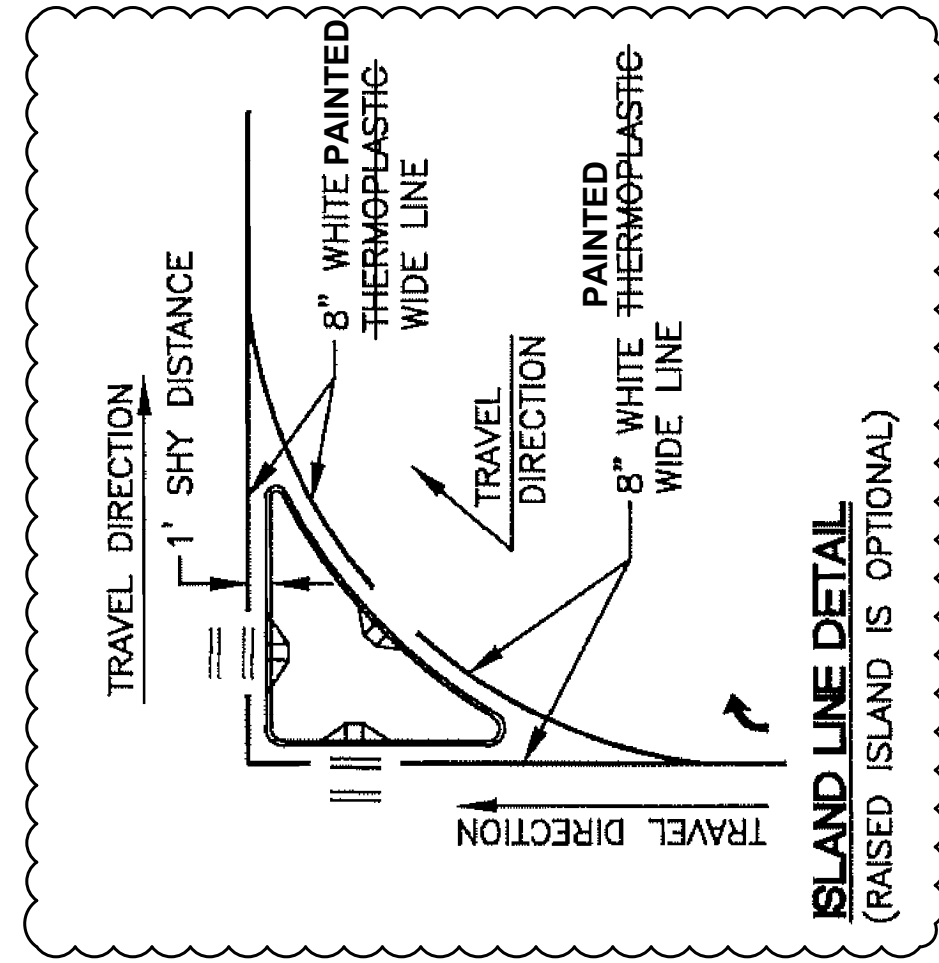
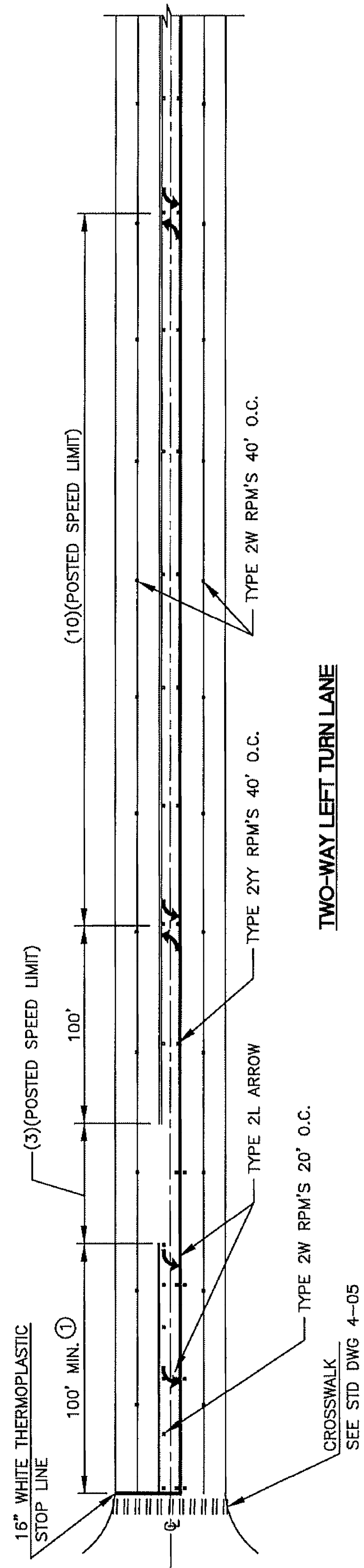
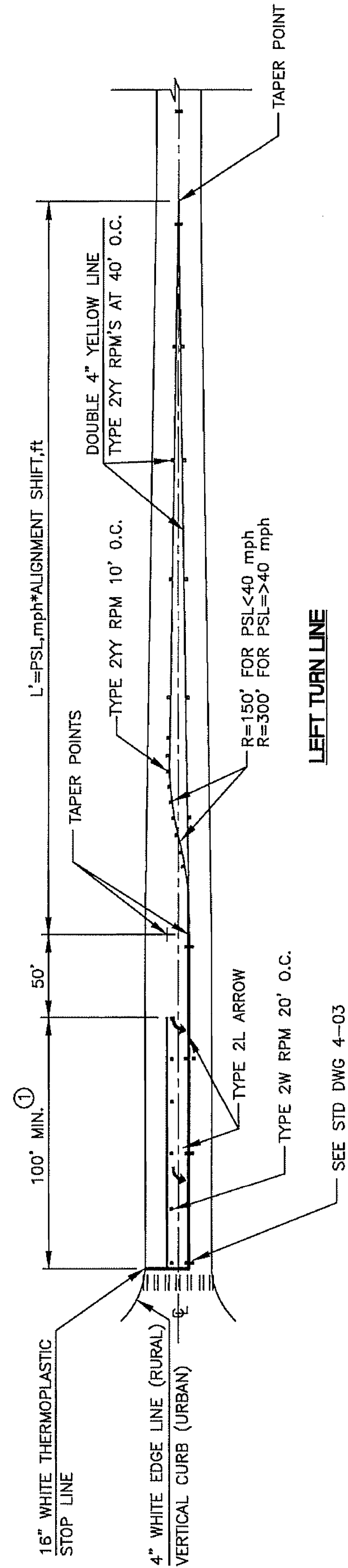
SHEET: SD-2
 OF: 38
 JOB NO.: 20495
 DWG:ROAD STND DET



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NOTES
 ① POCKET LENGTHS SHALL BE SUPPORTED BY TRAFFIC ANALYSIS.
 PSL = POSTED SPEED LIMIT

MODIFIED

CITY OF SAMMAMISH DEPARTMENT OF PUBLIC WORKS	
INTERSECTION APPROACH STRIPING	
APPROVED BY CITY ENGINEER	DATE
DWN XXX	XXX
CKD XXX	DATE AUG--XX--2015
REV	FILE FIG04-04

CROSSWALK STRIPING

TWO WAY LEFT TURN LANE ARROW SPACING

DROP LANE

HIGH OCCUPANCY VEHICLE (HOV)

NOTES
 1. ALL PAVEMENT SYMBOLS SHALL BE THERMOPLASTIC.

CITY OF SAMMAMISH
DEPARTMENT OF PUBLIC WORKS

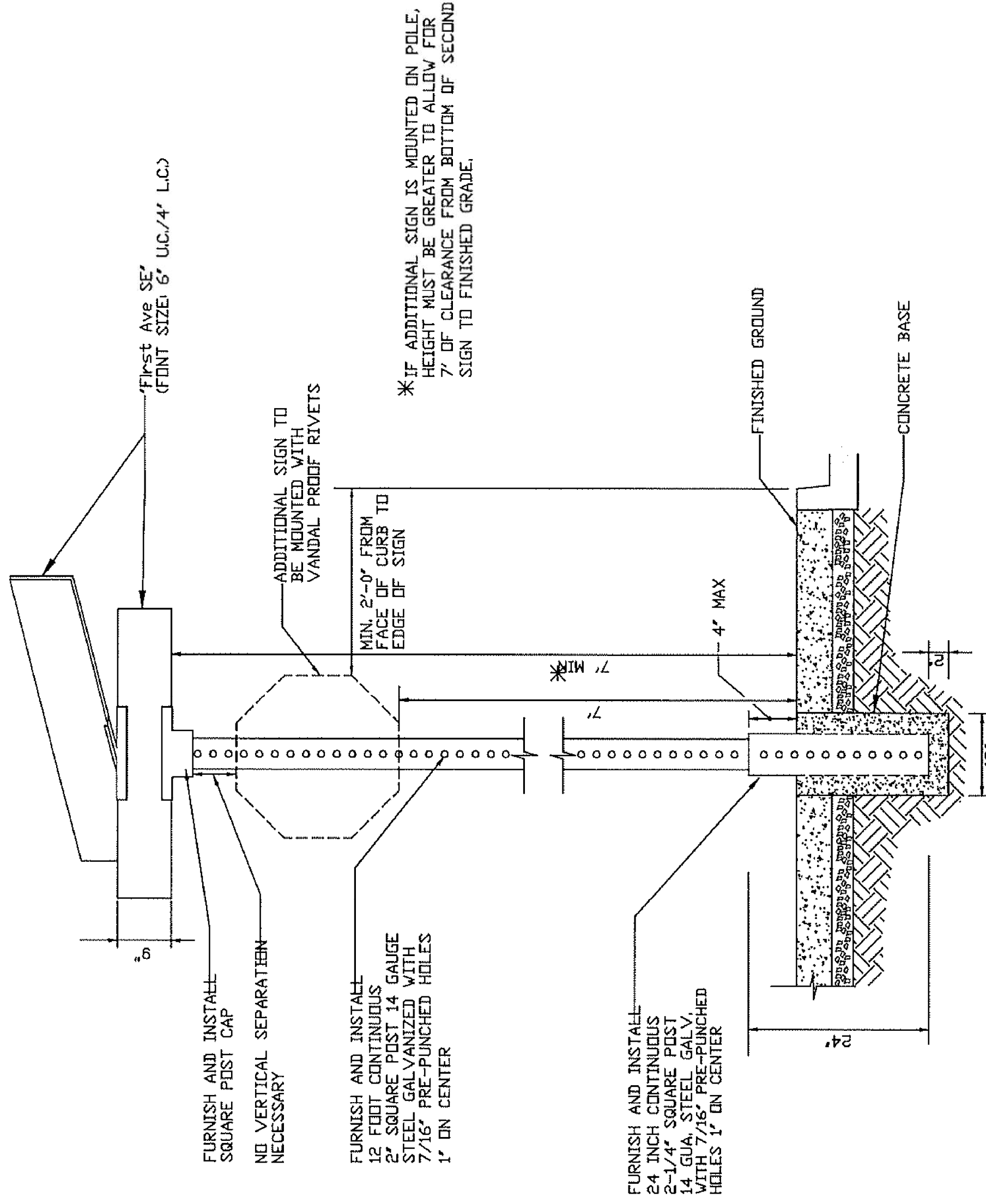
PAVEMENT SYMBOLS

APPROVED BY _____ DATE _____
 CITY ENGINEER

DWN XXX	CKD XXX	DATE AUG--XX--2015	FILE FIG04-05
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	No.		
 ANDREW W. ZAGARS STATE OF WASHINGTON REGISTERED PROFESSIONAL ENGINEER			
CITY OF SAMMAMISH KING COUNTY WASHINGTON 228TH AVENUE CURB RAMP RETROFIT AND CATCH BASIN REPAIRS CHANNELIZATION AND SIGNING DETAILS			
SHEET: CD-1 OF: 38			
JOB NO.: 20495 DWG: CHANNELIZATION AND SIGNING DETAILS			



STREET SIGN INSTALLATION DETAIL
NOT TO SCALE

NOTES:

1. ALL EXISTING SIGNS THAT ARE TO BE RELOCATED SHALL BE INSTALLED ON NEW POSTS AND HARDWARE.
2. 2" TELESPARE GALVANIZED POSTS
3. 2 1/4" TELESPARE GALVANIZED ANCHORS, 24" LONG
4. SET ANCHORS 20" DEEP, WRAP ANCHORS AND SET IN CONCRETE. BOLTS TO BE 2" ABOVE FINISHED GRADE
5. SIGNS TO BE V.I.P. DIAMOND GRADE
6. SIGNS TO BE ATTACHED WITH VANDAL PROOF RIVETS
7. P-S'S TO BE E.G. BACKGROUND DIAMOND GRADE LETTERING
8. D-S'S TO BE MOUNTED WITH ALUMINUM CAPS AND CROSS BRACKETS
9. WHITE LEGEND IN GREEN BACKGROUND

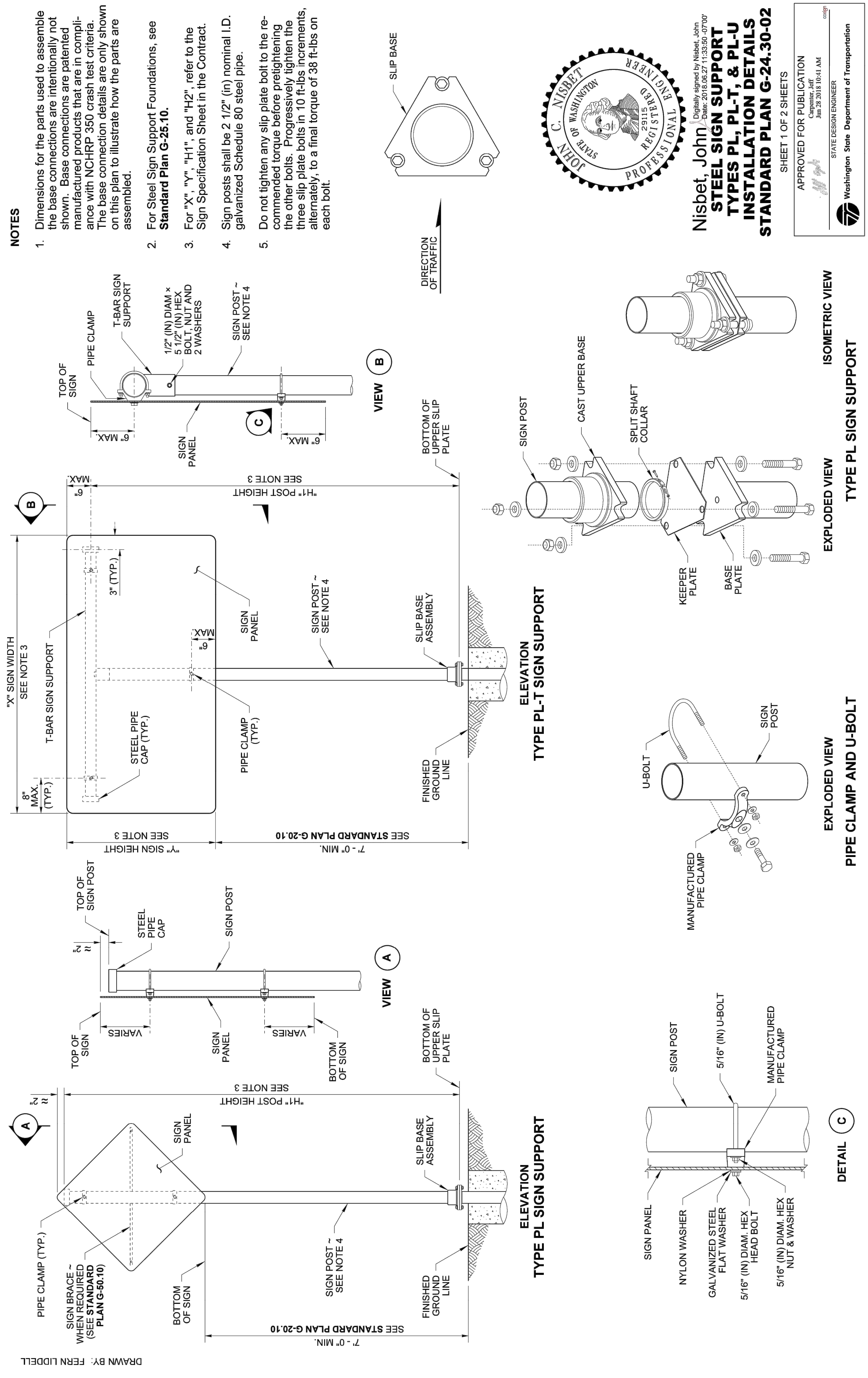
NOTE: CITY OF SAMMAMISH STREET SIGN INSTALLATION DETAIL MAY BE USED IF NOT IN CONCRETE. CONSTRUCT STREET SIGN INSTALLATION PER WSDOT STD PLAN G-24.30-02 IN CONCRETE.

MODIFIED

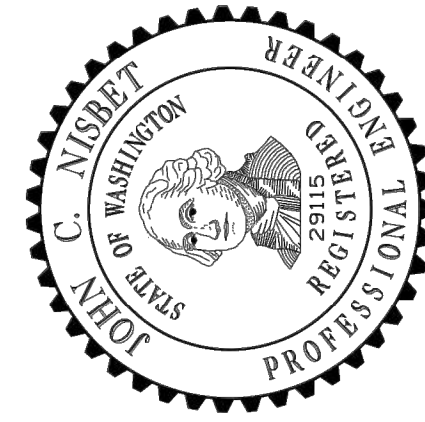
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DEPARTMENT OF PUBLIC WORKS

STREET SIGN INSTALLATION

APPROVED BY	DATE	FILE
CITY ENGINEER	AUG-XX-2015	FIG04-06
DWN	CKD	XXX
REV	XXX	XXX



- NOTES
1. Dimensions for the parts used to assemble the base connections are intentionally not shown. Base connections are patented manufactured products that are in compliance with NCHRP 350 crash test criteria. The base connection details are only shown on this plan to illustrate how the parts are assembled.
 2. For Steel Sign Support Foundations, see Standard Plan G-25.10.
 3. For "X", "Y", "H1", and "H2", refer to the Sign Specification Sheet in the Contract.
 4. Sign posts shall be 2 1/2" (in) nominal I.D. galvanized Schedule 80 steel pipe.
 5. Do not tighten any slip plate bolt to the recommended torque before pre-tightening the other bolts. Progressively tighten the three slip plate bolts in 10 ft-lbs increments, alternately, to a final torque of 36 ft-lbs on each bolt.



Nisbett, John
Diplomate signed by Nisbett, John
**STEEL SIGN SUPPORT
TYPES PL, PL-T, & PL-U
INSTALLATION DETAILS**
STANDARD PLAN G-24.30-02
SHEET 1 OF 2 SHEETS

APPROVED FOR PUBLICATION
STATE DESIGN ENGINEER
Washington State Department of Transportation

CITY OF SAMMAMISH
KING COUNTY WASHINGTON
228TH AVENUE CURB RAMP RETROFIT
AND CATCH BASIN REPAIRS
CHANNELIZATION AND SIGNING DETAILS

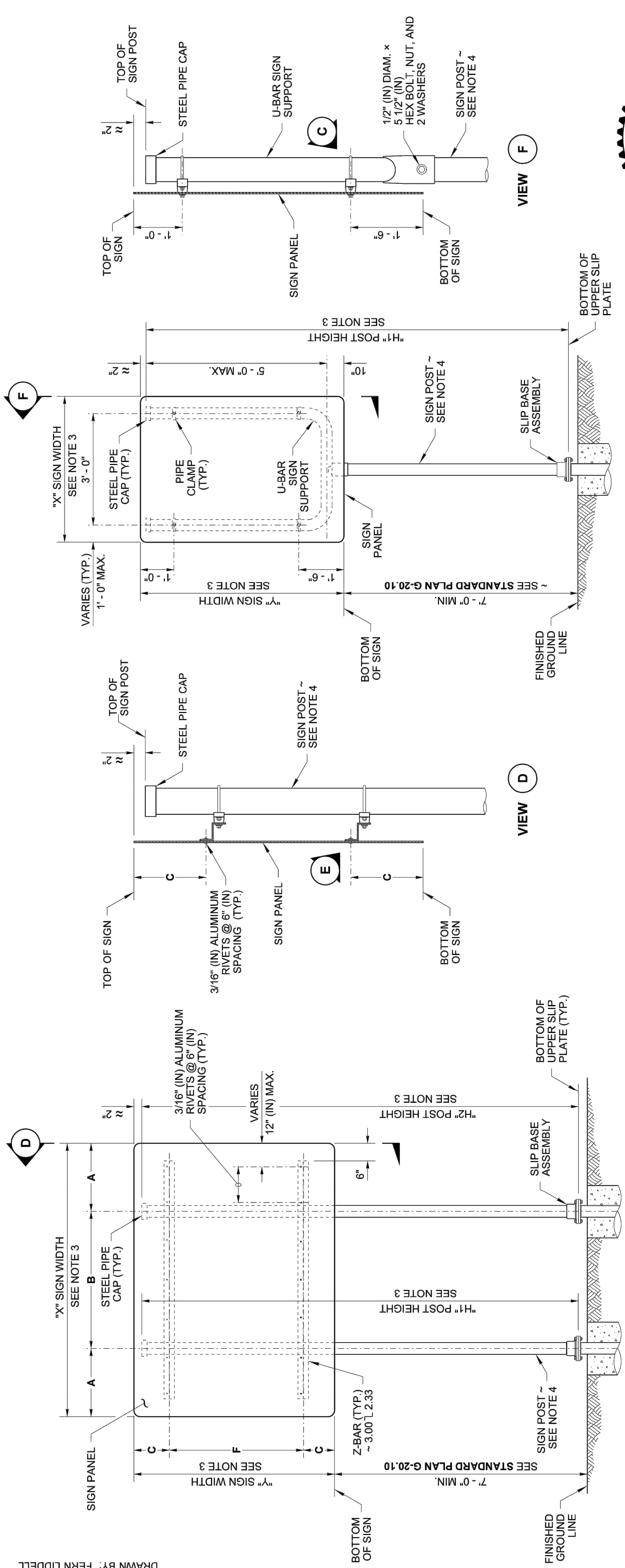
SHEET: **CD-2**
OF: **38**

JOB NO.: 20495
DWG: CHANNELIZATION AND SIGNING DETAILS

DATE: FEB 2021
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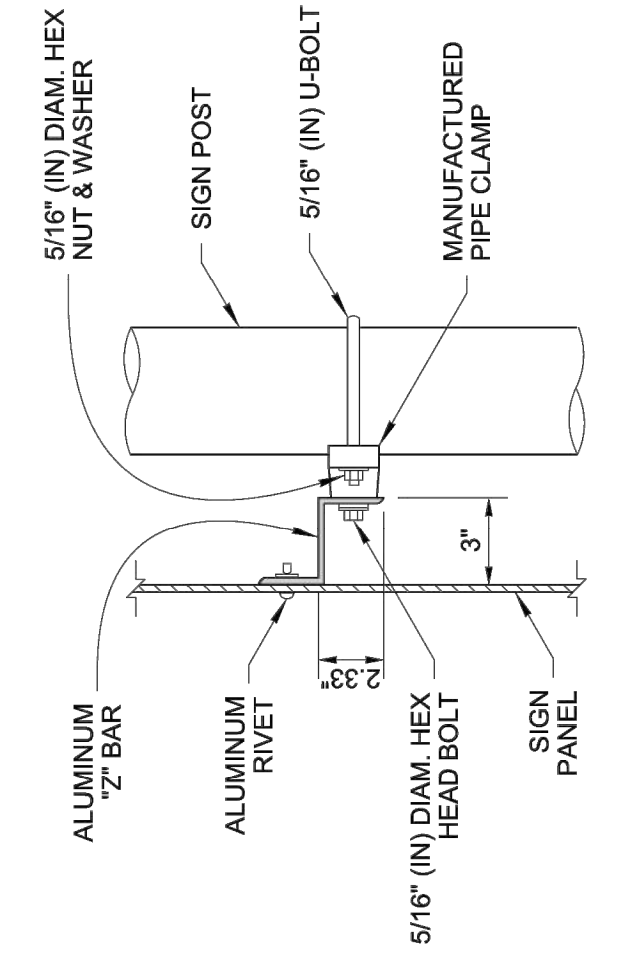
**ELEVATION
TYPE PL SIGN SUPPORT
DUAL POST INSTALLATION**

"X" SIGN WIDTH	
A	6'-0" 8'-0" 10'-0"
B	1'-0" 2'-0" 3'-0"
C	3'-0" 4'-0" 4'-0"

"Y" SIGN HEIGHT	
C	6'-0" 8'-0" 10'-0"
F	1'-0" 2'-0" 3'-0"
F	4'-0" 4'-0" 4'-0"

A, B, C & F MAY BE INTERPOLATED FOR INTERMEDIATE SIGN SIZES

**ELEVATION
TYPE PL-U SIGN SUPPORT**



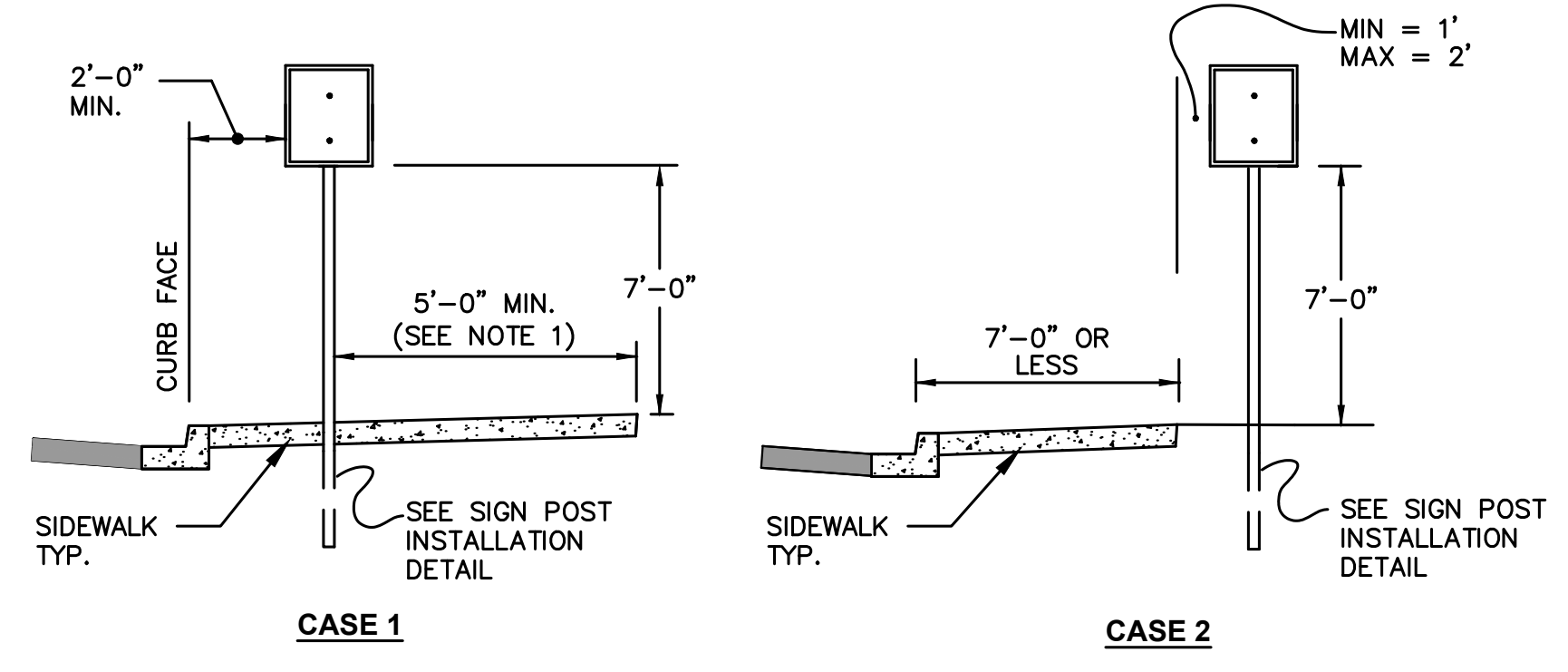
DETAIL E



Nisbet, John
Digitally signed by Nisbet, John
Date: 2016.02.27 11:34:16 -0700
**STEEL SIGN SUPPORT
TYPES PL, PL-T, & PL-U
INSTALLATION DETAILS
STANDARD PLAN G-24.30-02**

SHEET 2 OF 2 SHEETS
APPROVED FOR PUBLICATION
Catherine Goff
110.2019.1041.AM
STATE DESIGN ENGINEER
Washington State Department of Transportation

NOTE: CITY OF SAMMAMISH STREET SIGN INSTALLATION DETAIL MAY BE USED IF NOT IN CONCRETE. CONSTRUCT STREET SIGN INSTALLATION PER WSDOT STD PLAN G-24.30-02 IN CONCRETE.



GENERAL NOTE:
CONFIRM ALL SIGN POST LOCATIONS WITH CONTRACTING AGENCY PRIOR TO INSTALLATION(S).

NOTE:
1. IF LESS THAN 5'-0", USE CASE 2

**SIGN LOCATION DETAIL
NOT TO SCALE**

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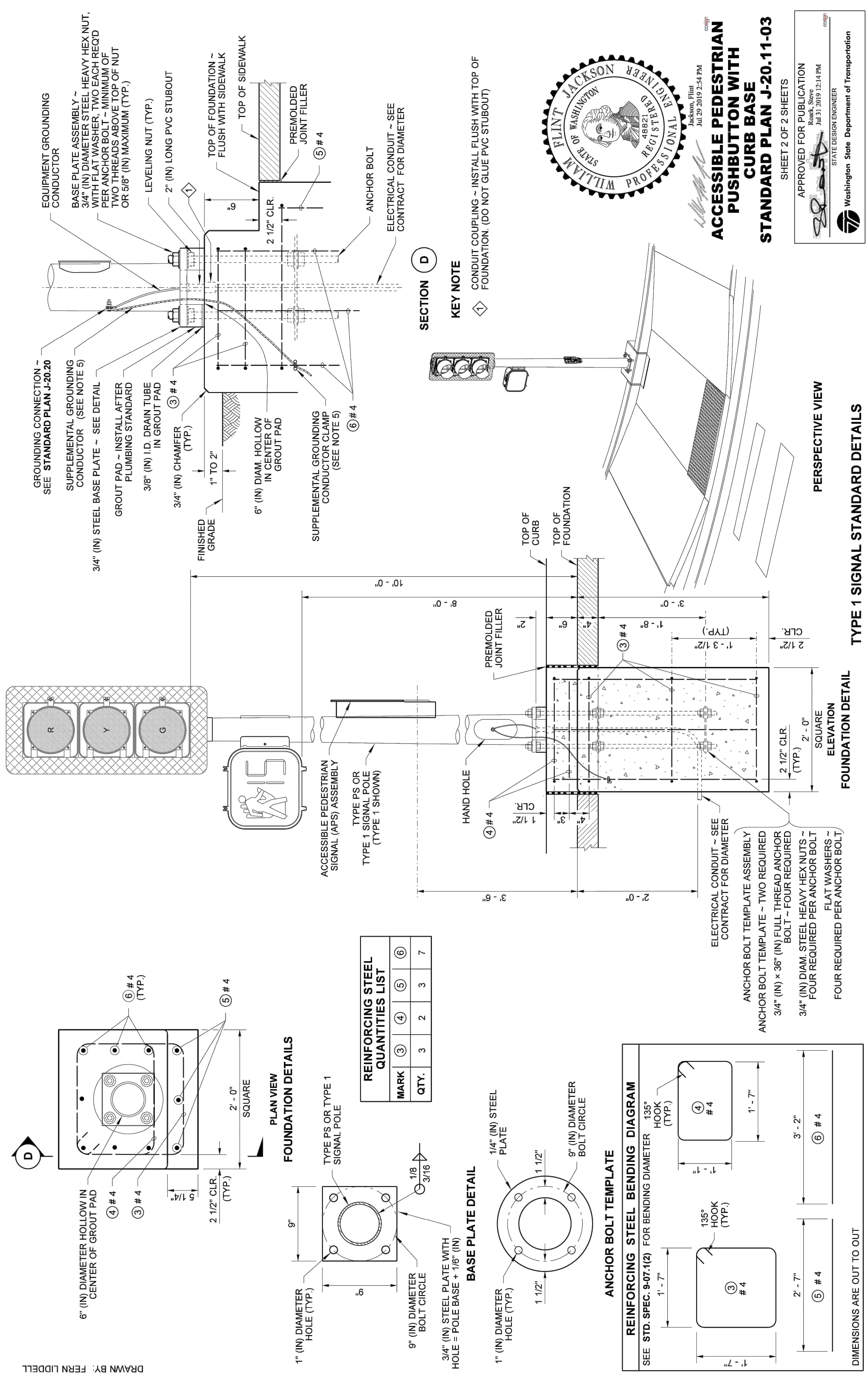
DATE:	FEB 2021
DRAWN:	DRS
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APPROVED:	BLS

NO.	REVISION	DATE	APPD

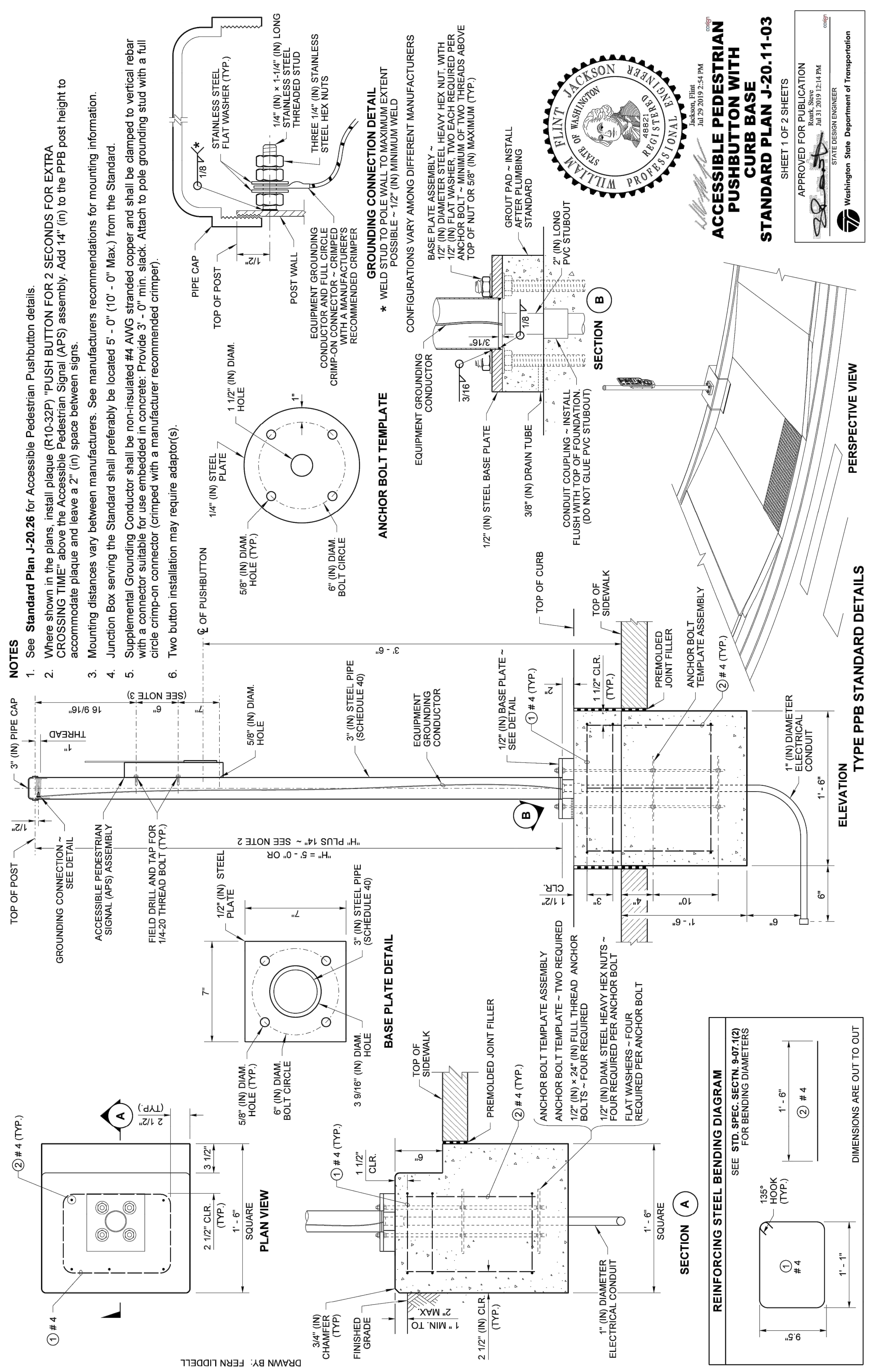


CITY OF SAMMAMISH
KING COUNTY WASHINGTON
**228TH AVENUE CURB RAMP RETROFIT
AND CATCH BASIN REPAIRS**
CHANNELIZATION AND SIGNING DETAILS

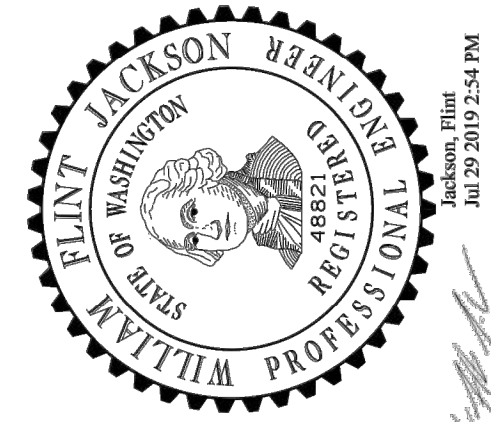
SHEET:	CD-3
OF:	38
JOB NO.:	20495
DWG:	CHANNELIZATION AND SIGNING DETAILS



TYPE 1 SIGNAL STANDARD DETAILS



TYPE PPB STANDARD DETAILS



ACCESSIBLE PEDESTRIAN PUSHBUTTON WITH CURB BASE
STANDARD PLAN J-20.11-03
SHEET 2 OF 2 SHEETS

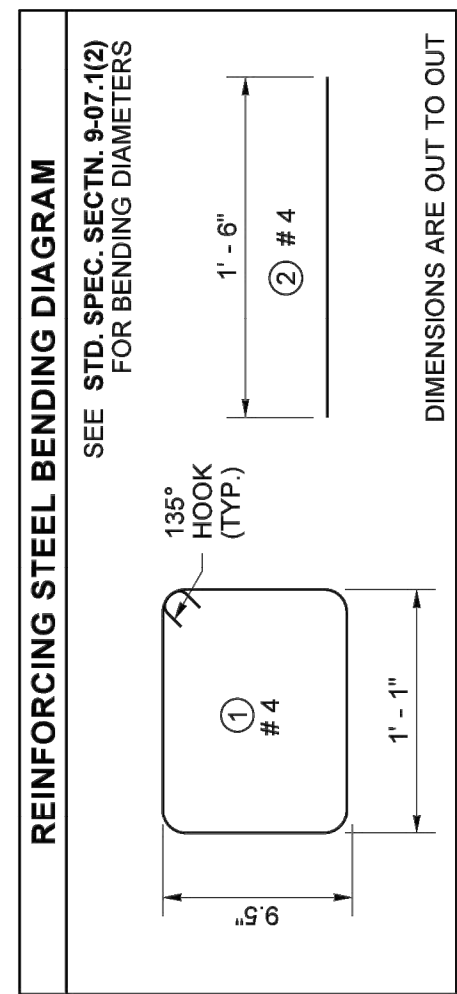
APPROVED FOR PUBLICATION
Mark, Steve
Jul 31 2019 12:14 PM
STATE DESIGN ENGINEER
Washington State Department of Transportation



ACCESSIBLE PEDESTRIAN PUSHBUTTON WITH CURB BASE
STANDARD PLAN J-20.11-03
SHEET 1 OF 2 SHEETS

APPROVED FOR PUBLICATION
Mark, Steve
Jul 31 2019 12:14 PM
STATE DESIGN ENGINEER
Washington State Department of Transportation

- NOTES**
- See Standard Plan J-20.26 for Accessible Pedestrian Pushbutton details.
 - Where shown in the plans, install plaque (R10-32P) "PUSH BUTTON FOR 2 SECONDS FOR EXTRA CROSSING TIME" above the Accessible Pedestrian Signal (AFS) assembly. Add 14" (in) to the PPB post height to accommodate plaque and leave a 2" (in) space between signs.
 - Mounting distances vary between manufacturers. See manufacturer recommendations for mounting information.
 - Junction Box serving the Standard shall preferably be located 5'-0" (10' - 0" Max.) from the Standard.
 - Supplemental Grounding Conductor shall be non-insulated #4 AWG stranded copper and shall be clamped to vertical rebar with a connector suitable for use embedded in concrete. Provide 3'-0" min. slack. Attach to pole grounding stud with a full circle crimp-on connector (crimped with a manufacturer recommended crimper).
 - Two button installation may require adaptor(s).



CITY OF SAMMAMISH
KING COUNTY WASHINGTON
228TH AVENUE CURB RAMP RETROFIT AND CATCH BASIN REPAIRS
CHANNELIZATION AND SIGNING DETAILS

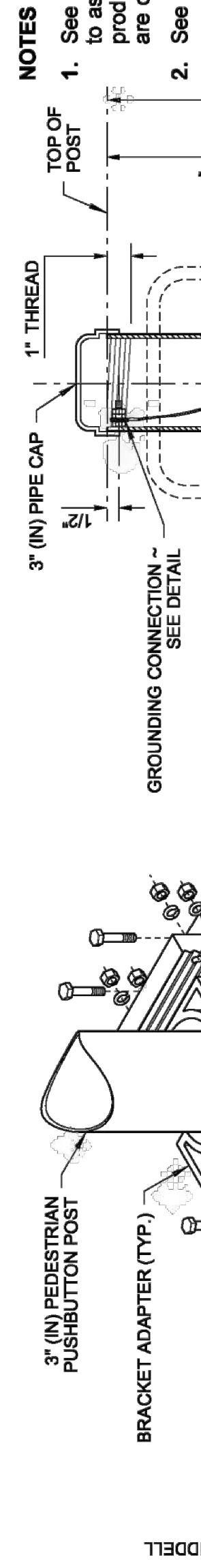
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DATE:	DRAWN:	CHECKED:	APPROVED:
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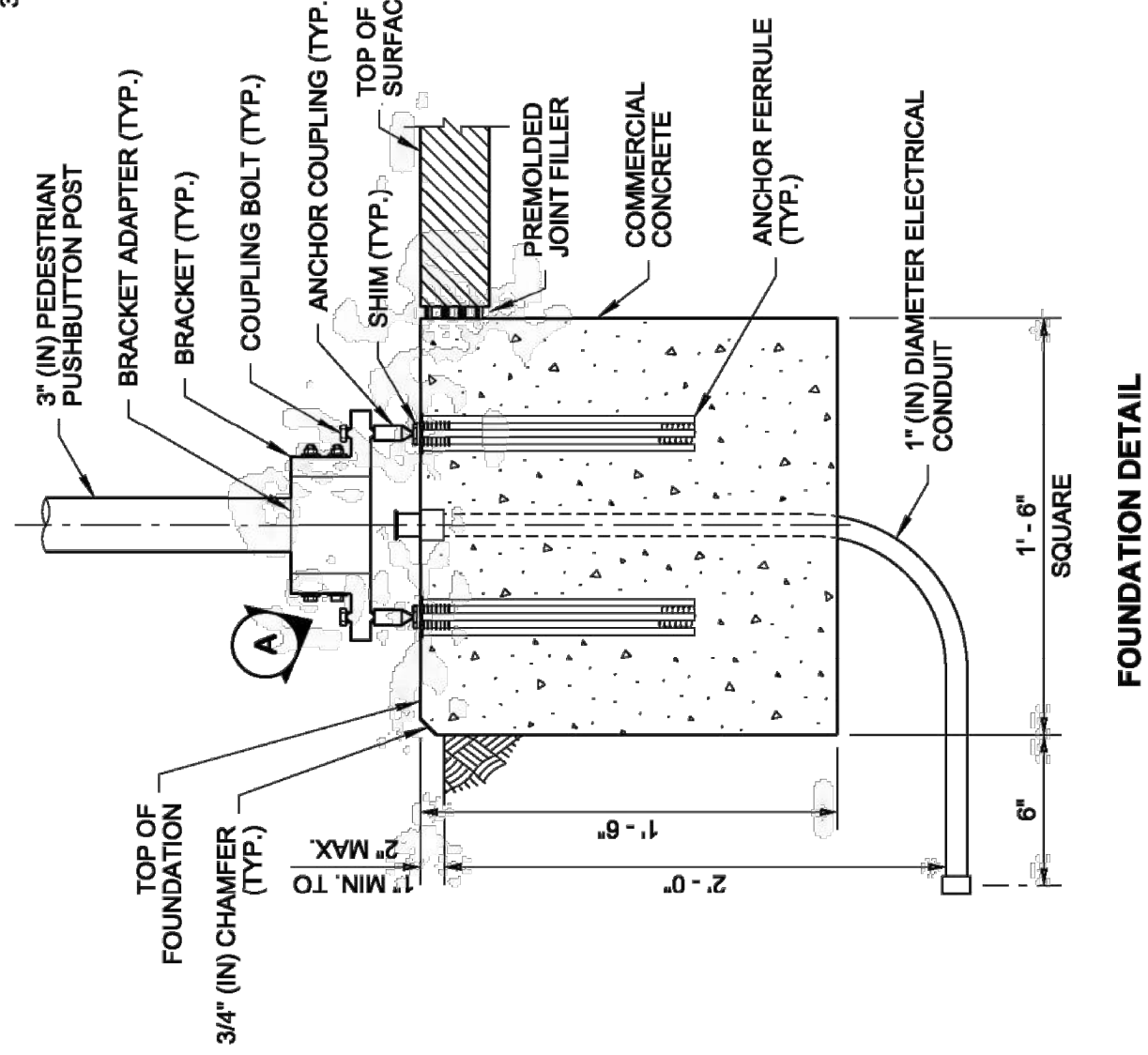
SHEET: **CD-4**
OF: **38**

JOB NO.: 20495
DWG: CHANNELIZATION AND SIGNING DETAILS

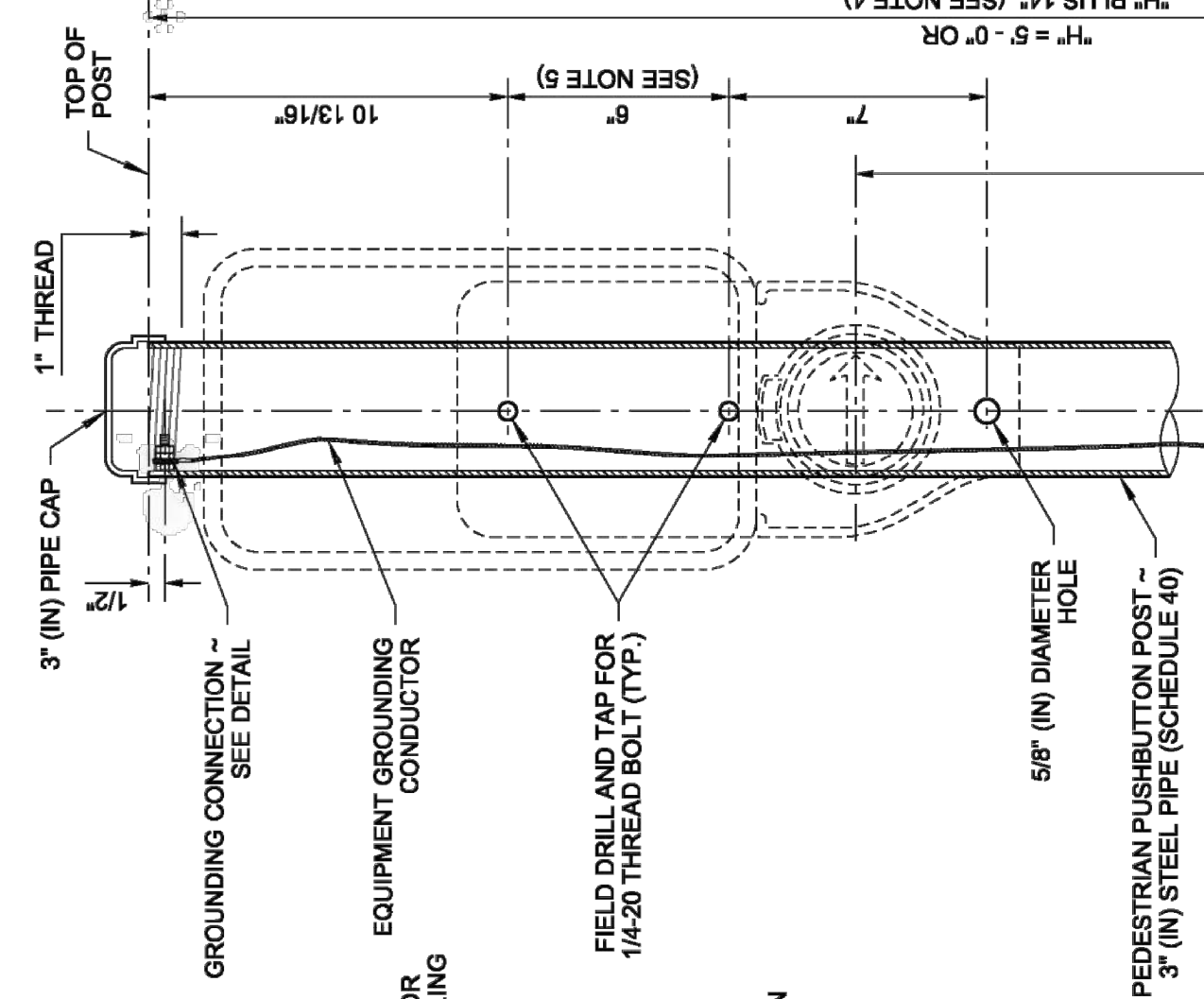


DRAWN BY: FERN LIDDELL

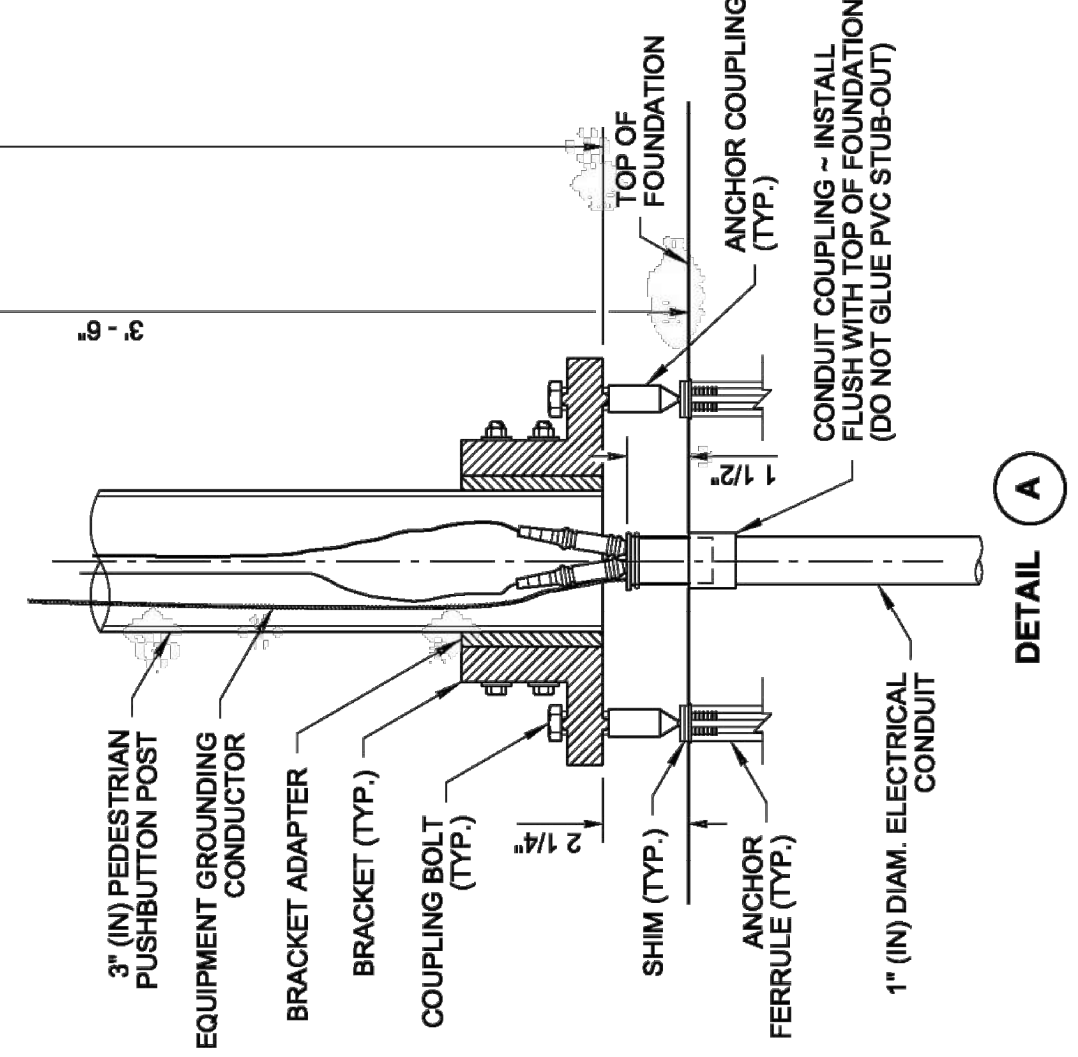
BREAKAWAY BASE CONNECTOR
(SEE NOTE 1)



FOUNDATION DETAIL



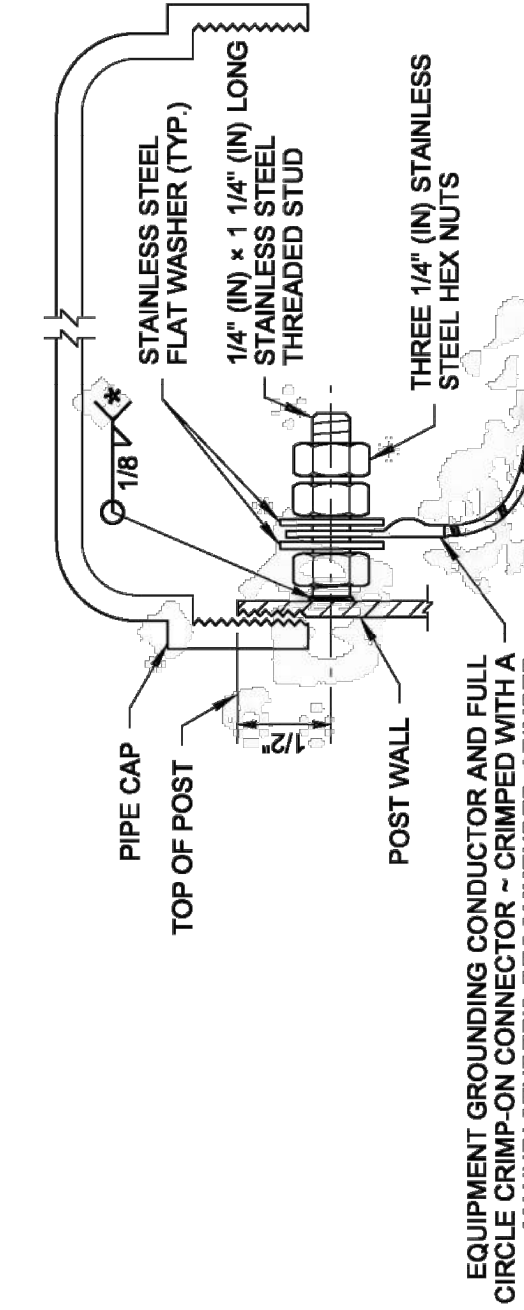
POST DETAIL



DETAIL A

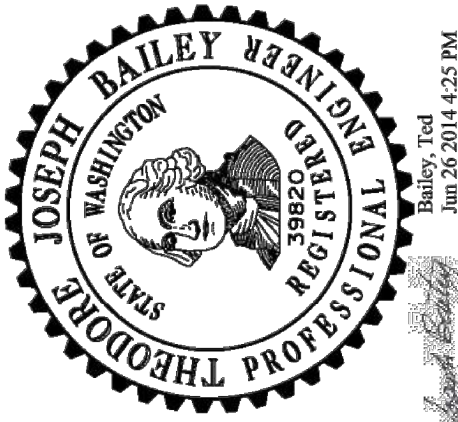
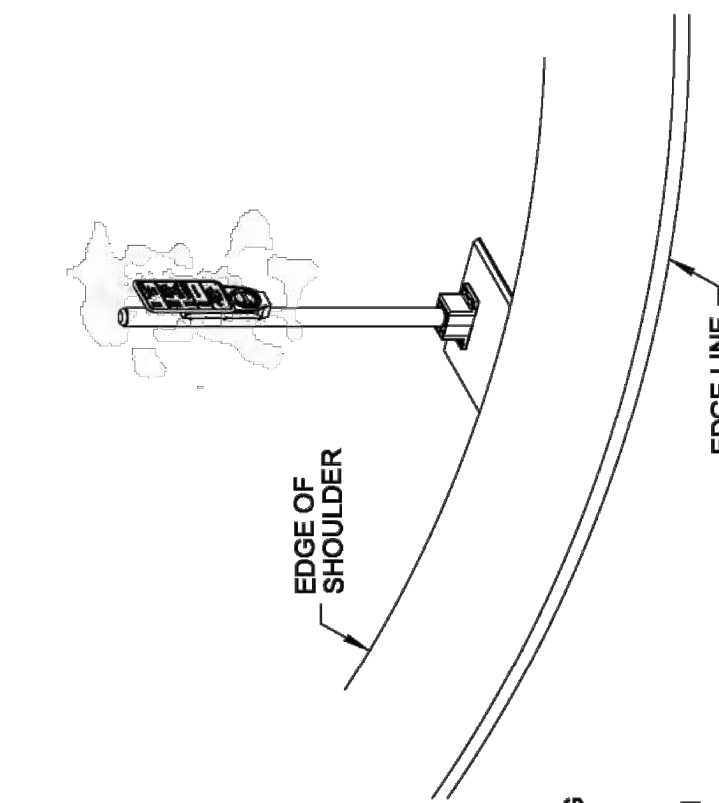
NOTES

1. See **Standard Specification 9-06.16** for Breakaway Base Connection details. Dimensions for the parts used to assemble the base connections are intentionally not shown. Base connections are patented manufactured products that are in compliance with NCHRP 350 crash test criteria. The Breakaway Base Connection details are only shown on this plan to illustrate how parts are assembled.
2. See **Standard Plan J-20.26** for Accessible Pedestrian Pushbutton details.
3. Secure conductor in adjacent Junction Box per detail in **Standard Plan J-28.70**.
4. Where shown in the plans, install plaque (R10-32P) "PUSH BUTTON FOR 2 SECONDS FOR EXTRA CROSSING TIME" above the Accessible Pedestrian Signal (APS) assembly. Add 14" (in) to post height to accommodate plaque and leave a 2" (in) space between signs.
5. Mounting distances vary between manufacturers. See manufacturer's recommendations for mounting information.
6. Junction Box serving the Standard shall preferably be located 5' - 0" (10' - 0" Max.) from the Standard.



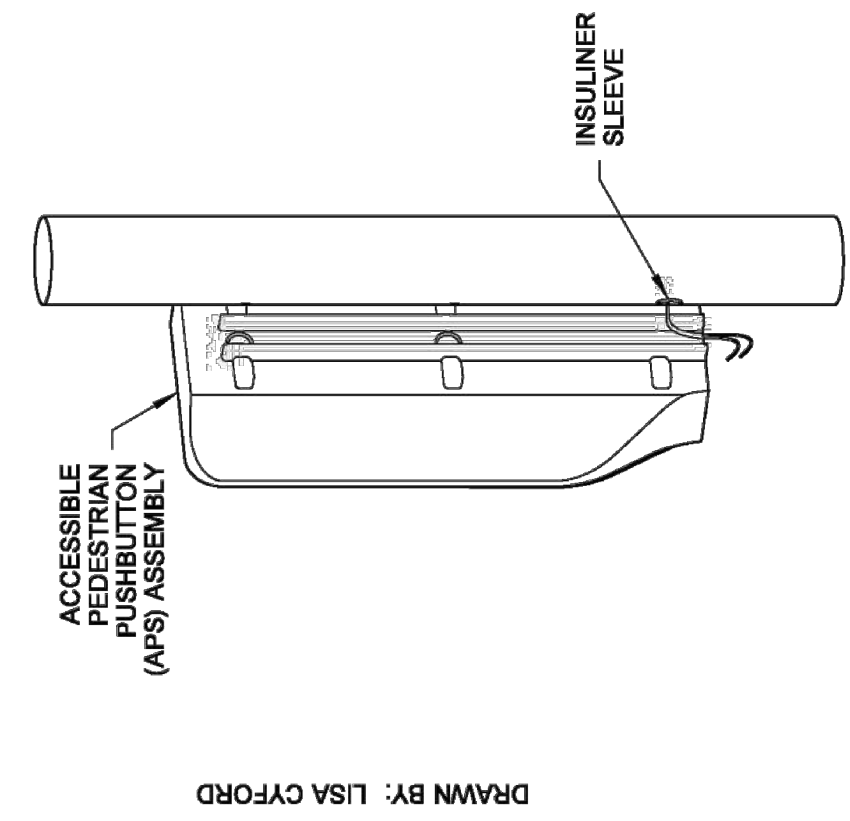
GROUNDING CONNECTION DETAIL

* WELD STUD TO POLE WALL TO MAXIMUM EXTENT POSSIBLE - 1/2" (IN) MINIMUM WELD
CONFIGURATIONS VARY AMONG DIFFERENT MANUFACTURERS (SHOWN EXPLODED FOR CLARITY)

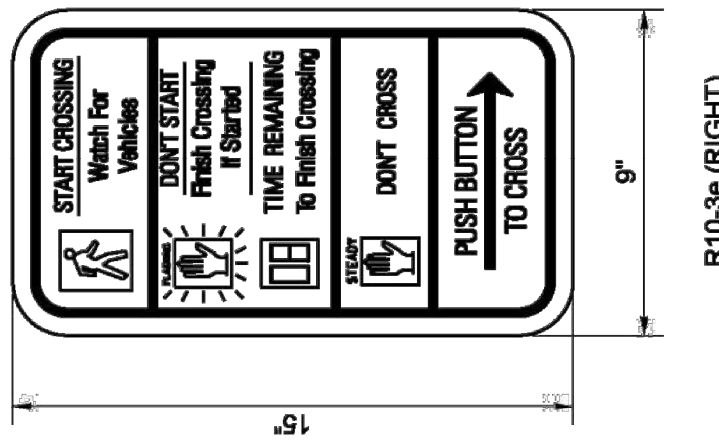


ACCESSIBLE BREAKAWAY PEDESTRIAN PUSHBUTTON (PPB) POST
STANDARD PLAN J-20.15-03
SHEET 1 OF 1 SHEET

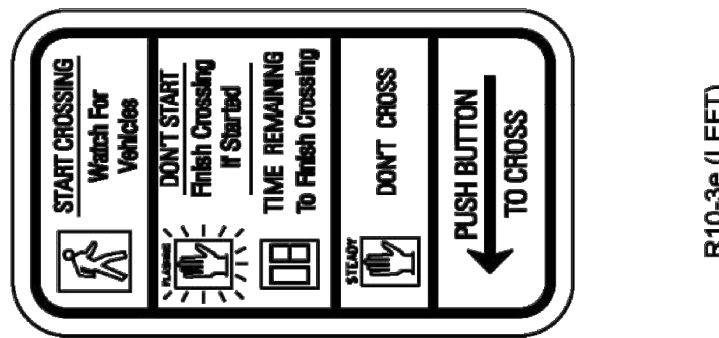
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Jun 30 2014 3:11 PM
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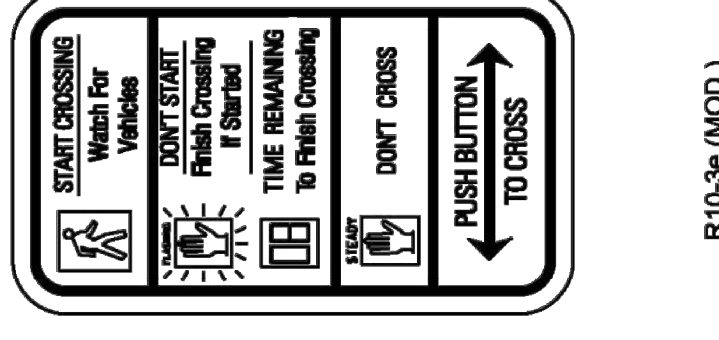
WIRE ROUTING PERSPECTIVE VIEW



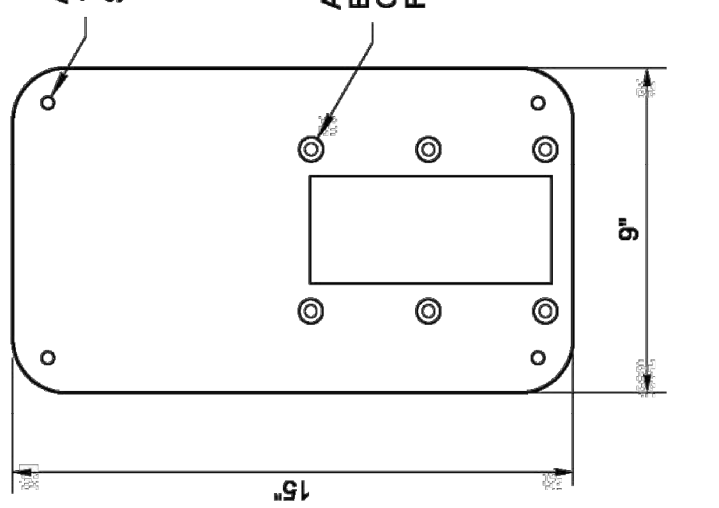
R10-3e (RIGHT)



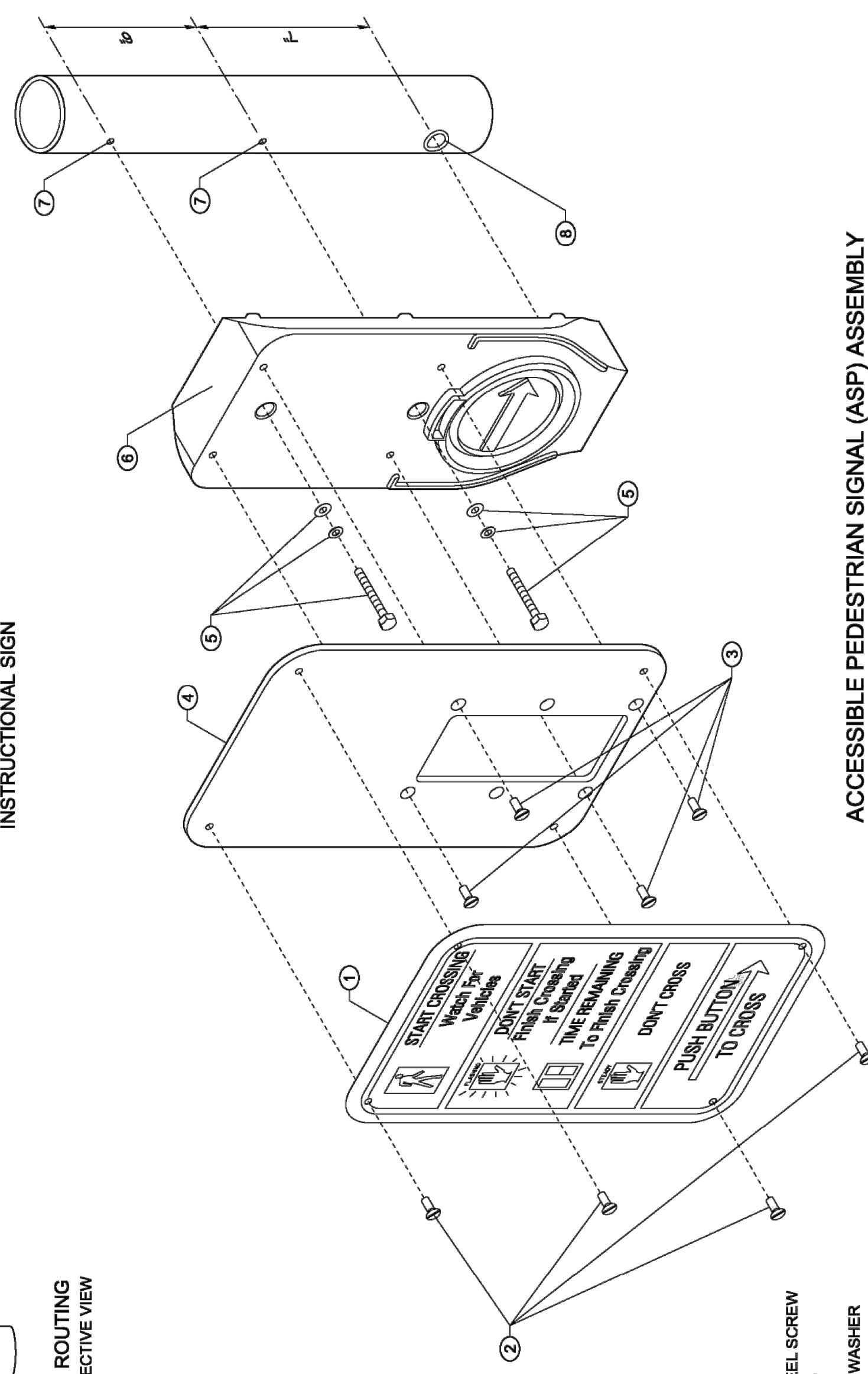
R10-3e (LEFT)



R10-3e (MOD.)



PEDESTRIAN PUSHBUTTON FRAME ADAPTER



ACCESSIBLE PEDESTRIAN SIGNAL (ASP) ASSEMBLY METAL POLE INSTALLATION
PPB-M

ISOMETRIC VIEW
(METAL POLE SHOWN)

- KEY**
- 1 FACE PLATE
 - 2 1/4-20 x 3/8" LONG STAINLESS STEEL SCREW
 - 3 1/4-20 x 3/8" STAINLESS STEEL SCREWS
 - 4 PUSHBUTTON FRAME ADAPTER
 - 5 1/4-20 STAINLESS STEEL BOLT W/ WASHER
 - 6 PUSHBUTTON STATION
 - 7 DRILL AND TAP SHAFT FOR 1/4" DIAM. BOLT
 - 8 DRILL AND TAP SHAFT FOR 5/8" WIRE GUIDE HOLE - ADD INSULINER



ACCESSIBLE PEDESTRIAN PUSHBUTTON (PPB) DETAILS
STANDARD PLAN J-20.26-01
SHEET 1 OF 2 SHEETS

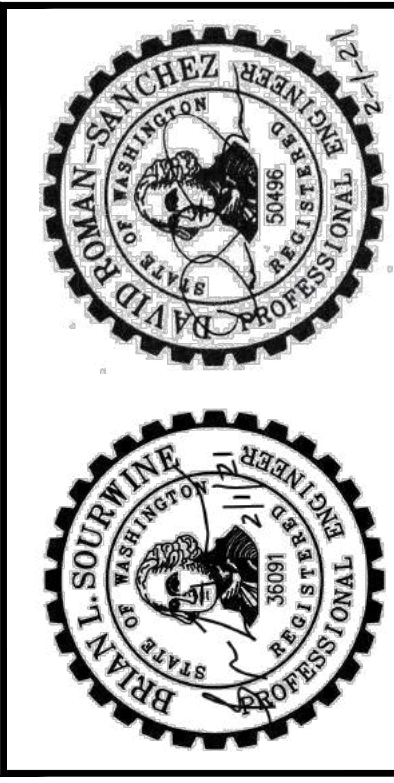
APPROVED FOR PUBLICATION
7/12/12
DATE
Pasco Bakotich III
STATE DESIGN ENGINEER
Washington State Department of Transportation

NOTE: THIS PLAN IS FOR FIELD ENGINEERING DOCUMENTATION. A COPY MAY BE OBTAINED UPON REQUEST. FIELD THE INFORMATION HEREIN IS SUPPLEMENTARY TO THE ENGINEER AND APPROVED FOR PUBLICATION IS PERMITTED. THE ORIGINAL, SIGNED AND SEALED ENGINEERING DOCUMENT IS THE AUTHORITY.

CITY OF SAMMAMISH
KING COUNTY WASHINGTON
228TH AVENUE CURB RAMP RETROFIT AND CATCH BASIN REPAIRS
CHANNELIZATION AND SIGNING DETAILS

SHEET: **CD-5**
OF: **38**

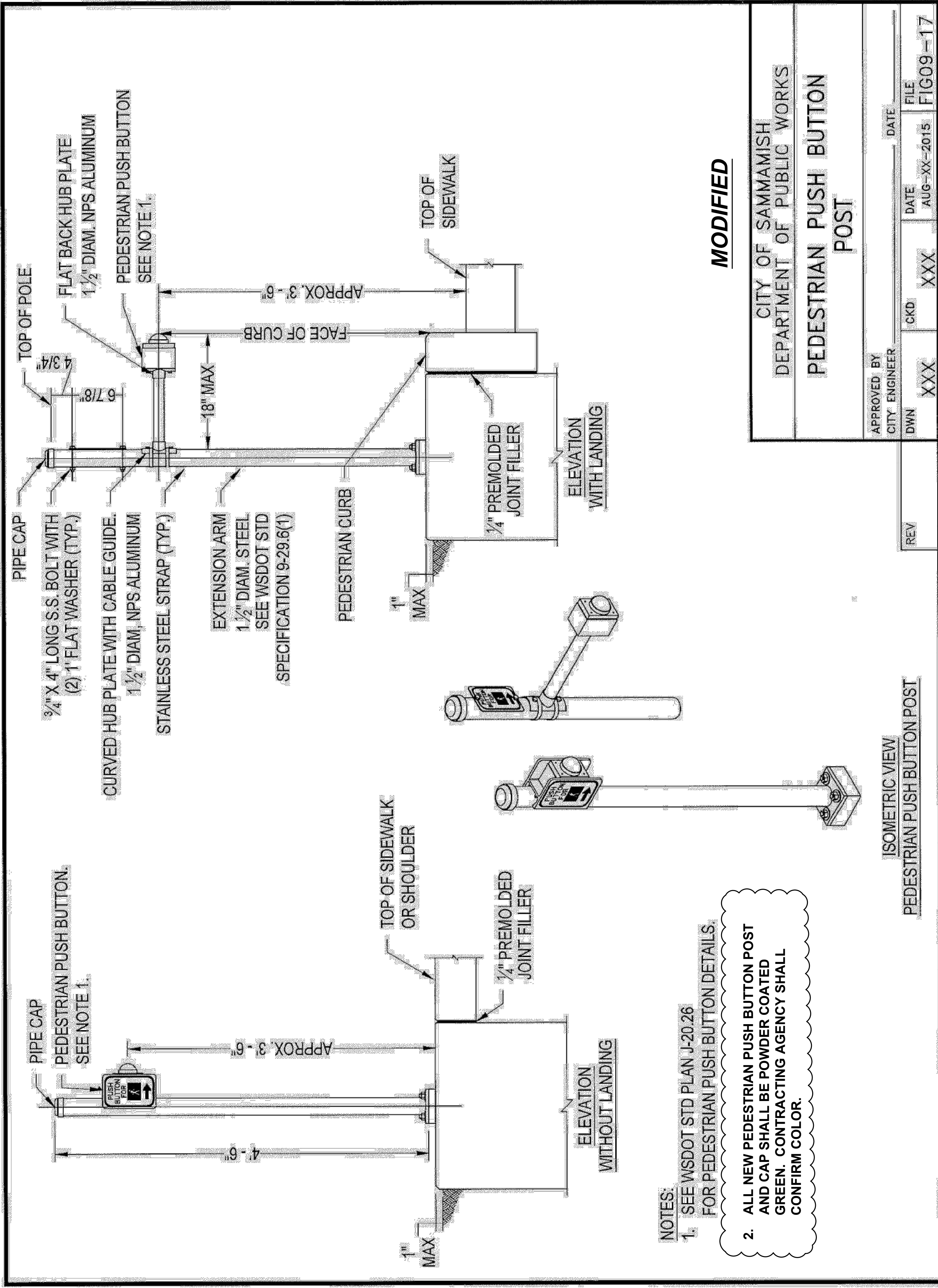
JOB NO.: 20495
DWG: CHANNELIZATION AND SIGNING DETAILS



No.	REVISION	DATE	APPD

DATE: FEB 2021
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CHECKED: CNT
APPROVED: BLS

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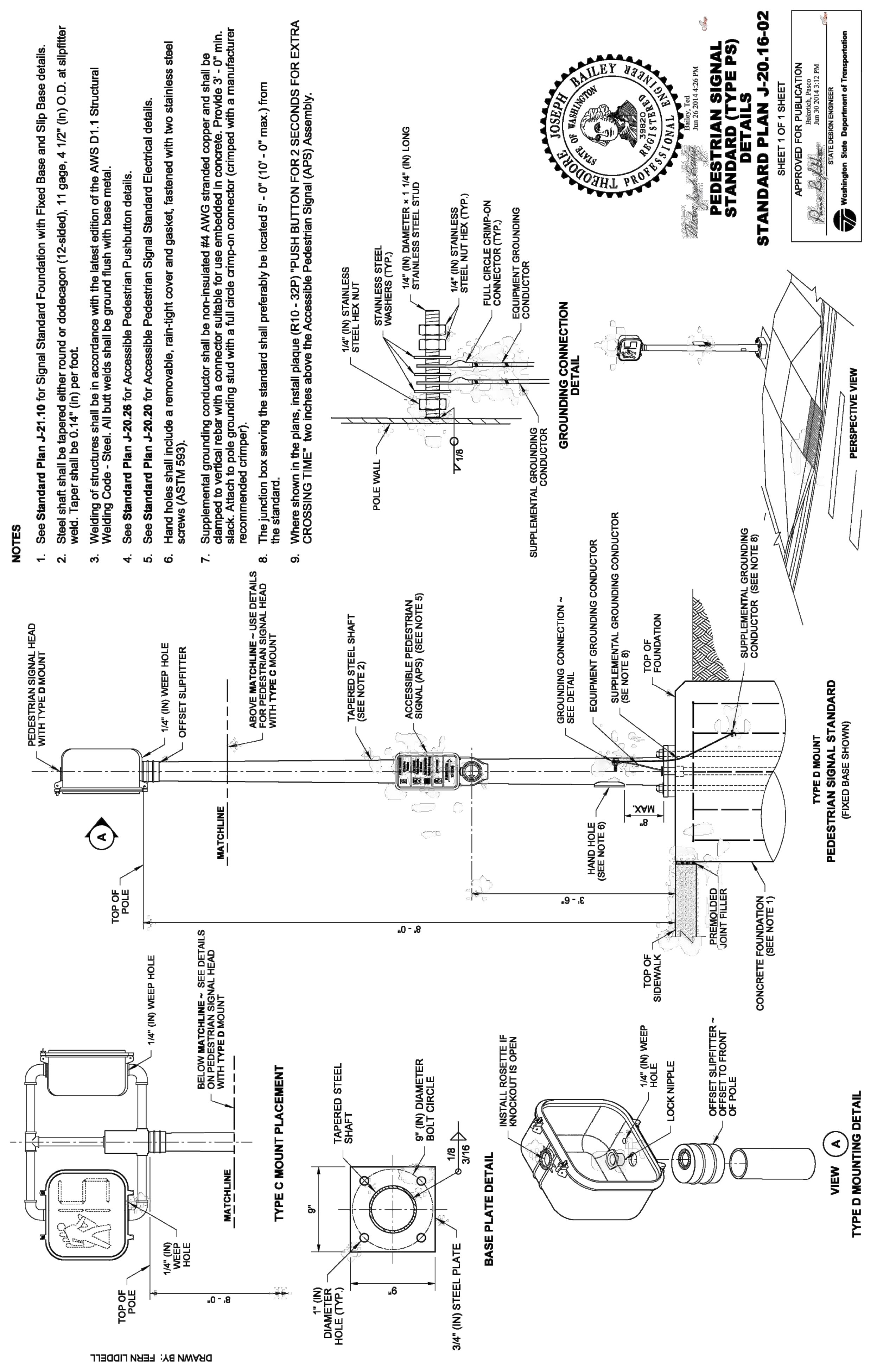
- NOTES:**
- SEE WSDOT STD PLAN J-20.26 FOR PEDESTRIAN PUSH BUTTON DETAILS.
 - ALL NEW PEDESTRIAN PUSH BUTTON POST AND CAP SHALL BE POWDER COATED GREEN. CONTRACTING AGENCY SHALL CONFIRM COLOR.

MODIFIED

CITY OF SAMMAMISH
DEPARTMENT OF PUBLIC WORKS

PEDESTRIAN PUSH BUTTON POST

APPROVED BY	DATE	FILE
CITY ENGINEER		
DWN	XXX	XXX
CKD	XXX	XXX
DATE	AUG-XX-2015	FIG09-17



APPROVED FOR PUBLICATION
DATE DESIGN ENGINEER
JUN 26 2014 4:26 PM
JUN 30 2014 3:12 PM

PEDESTRIAN SIGNAL STANDARD (TYPE PS) DETAILS
STANDARD PLAN J-20.16-02
SHEET 1 OF 1 SHEET

WASHINGTON STATE Department of Transportation

CITY OF SAMMAMISH
KING COUNTY WASHINGTON
228TH AVENUE CURB RAMP RETROFIT AND CATCH BASIN REPAIRS
CHANNELIZATION AND SIGNING DETAILS

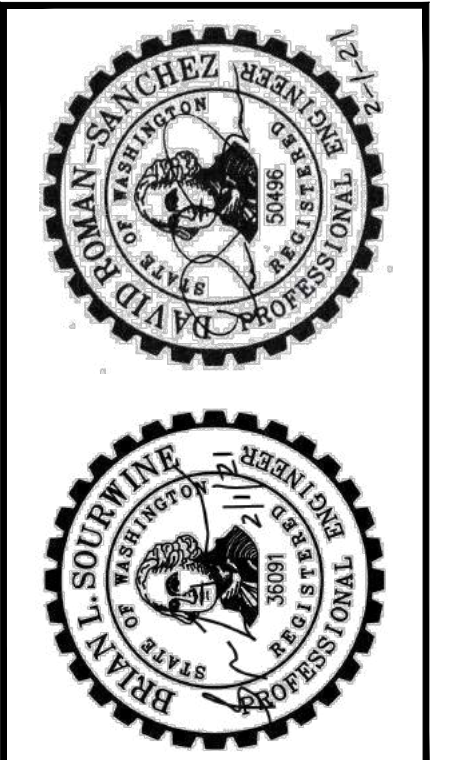
SHEET: **CD-6**
OF: **38**

JOB NO.: 20495
DWG: CHANNELIZATION AND SIGNING DETAILS

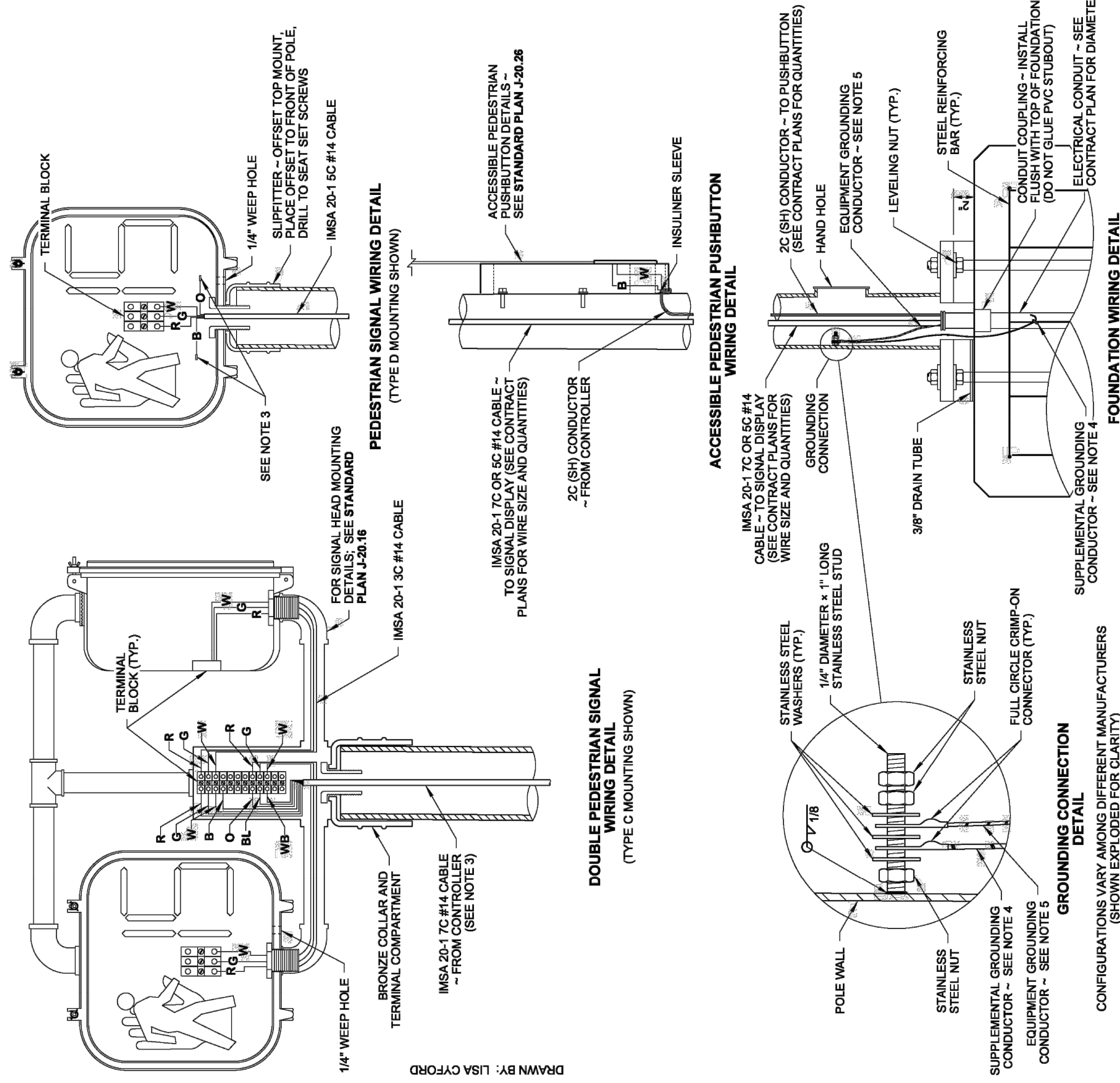
DATE:	FEB 2021
DRAWN:	DRS
CHECKED:	CNT
APPROVED:	BLS

DATE: FEB 2021
DRAWN: DRS
CHECKED: CNT
APPROVED: BLS

DATE APPD
REVISION
No.



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SEATTLE, WASHINGTON 98144 • (206) 264-0860



DRAWN BY: LISA CYFORD

CONFIGURATIONS VARY AMONG DIFFERENT MANUFACTURERS (SHOWN EXPLODED FOR CLARITY)

NOTES

1. See **Standard Plan J-21.10** for Signal Standard Foundation with Fixed Base and Slip Base details.
2. See **Standard Specification 9-29.3** for Cable Conductor requirements.
3. Install heat shrink caps on all spare conductors not terminated on a terminal strip.
4. Supplemental grounding conductor shall be non-insulated #4 AWG stranded copper and shall be clamped to vertical rebar with a connector suitable for use embedded in concrete: provide 3" - 0" min. slack. Attach to pole grounding stud with a full circle crimp-on connector (crimped with manufacturer's recommended crimper).
5. Equipment grounding conductor shall attach to grounding stud with a full circle crimp-on connector (crimped with a manufacturer's recommended crimper).

5C PEDESTRIAN HEAD TERMINATIONS

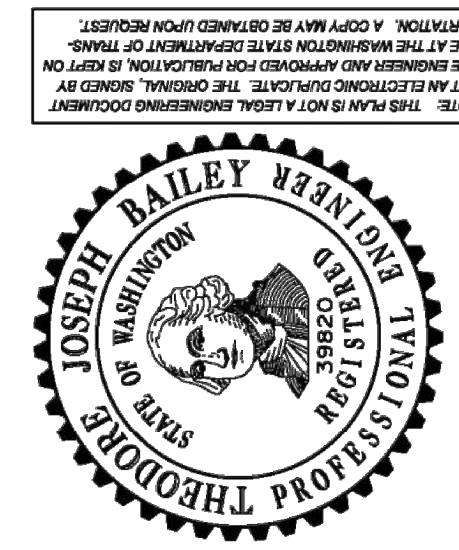
TERMINAL NUMBER	COLOR CODE	USE
7 * 1	R	DONT WALK DISPLAY
7 * 2	G	WALK DISPLAY
7 * 3	W	NEUTRAL CONDUCTOR
7 * 6	B	SPARE CONDUCTOR
7 * 7	O	SPARE CONDUCTOR

* ASSOCIATED PHASE NUMBER

7C PEDESTRIAN HEAD TERMINATIONS

TERMINAL NUMBER	COLOR CODE	USE
7 * 1	R	DONT WALK DISPLAY
7 * 2	G	WALK DISPLAY
7 * 3	W	NEUTRAL CONDUCTOR
7 * 6	B	SPARE CONDUCTOR
7 * 1	O	DONT WALK DISPLAY
7 * 2	BL	WALK DISPLAY
7 * 3	WB	NEUTRAL CONDUCTOR

* ASSOCIATED PHASE NUMBER



PEDESTRIAN SIGNAL STANDARD (TYPE PS) ELECTRICAL DETAIL
STANDARD PLAN J-20.02
 SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
Pasco Bakofich III STATE DESIGN ENGINEER
 DATE: **5/20/13**
 Washington State Department of Transportation

CITY OF SAMMAMISH
 KING COUNTY WASHINGTON
228TH AVENUE CURB RAMP RETROFIT AND CATCH BASIN REPAIRS
 CHANNELIZATION AND SIGNING DETAILS

SHEET: **CD-7**
 OF: **38**
 JOB NO.: 20495
 DWG: CHANNELIZATION AND SIGNING DETAILS

DATE	REVISION	DATE	APPD
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DRAWN: DRS			
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APPROVED: BLS			

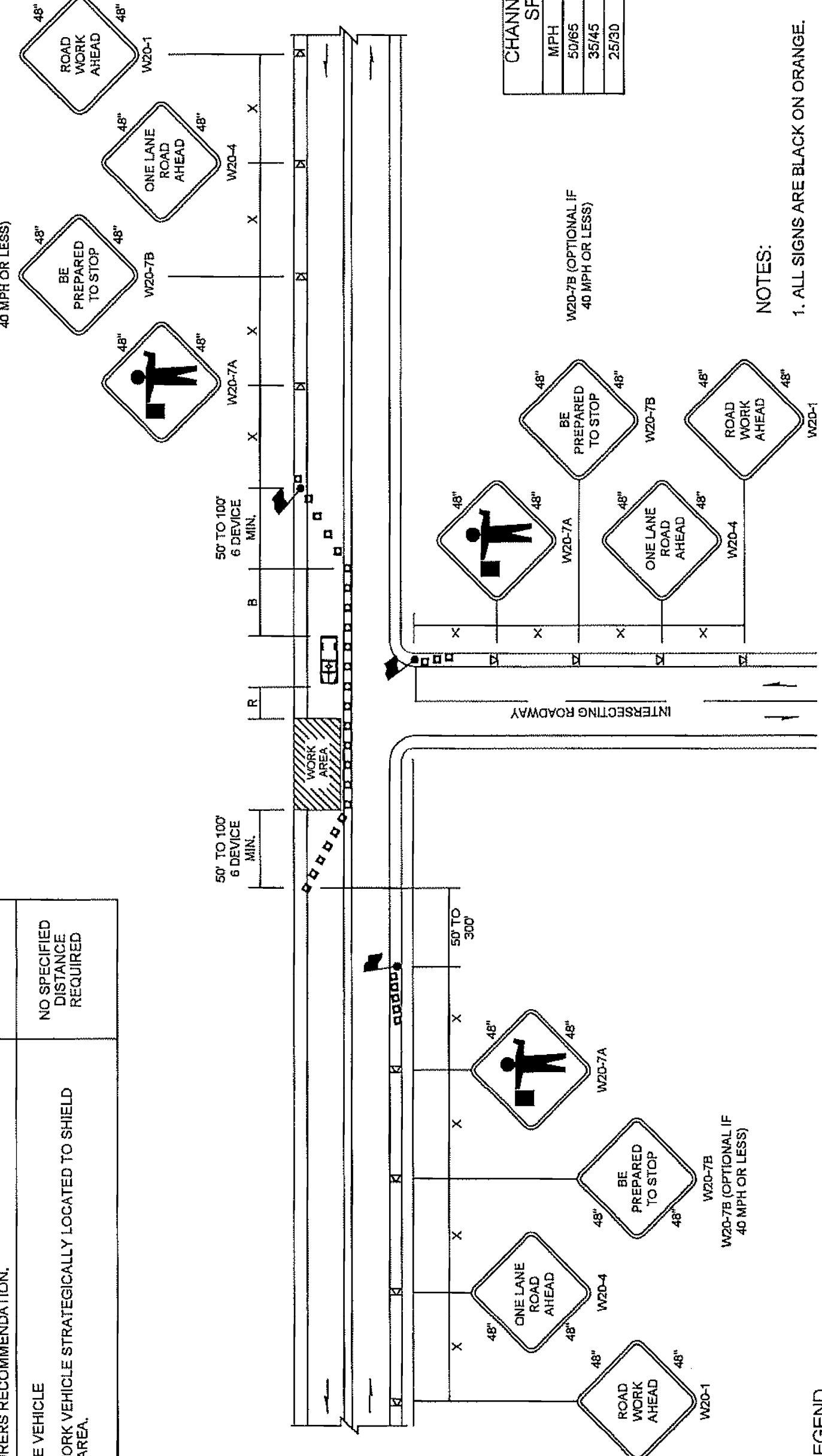


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BUFFER DATA											
LONGITUDINAL BUFFER SPACE = B											
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70	
LENGTH (FEET)	155	200	250	305	360	425	495	570	645	-	
BUFFER VEHICLE ROLL AHEAD DISTANCE = R							30 FEET MIN. TO 100 FEET MAX.				
TRANSPORTABLE ATTENUATOR							NO SPECIFIED DISTANCE REQUIRED				
PROTECTIVE VEHICLE							MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA.				

SIGN SPACING = X (1)	
RURAL HIGHWAYS	60/765 MPH
RURAL ROADS	49/55 MPH
RURAL ROADS & URBAN ARTERIALS	35/40 MPH
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25/30 MPH
URBAN STREETS	25 MPH OR LESS
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS. INTERSECTIONS AND DRIVEWAYS SHALL BE REBUILT IN URBAN AREAS TO FIT ROADWAY CONDITIONS.	

V20-7B OPTIONAL IF 40 MPH OR LESS

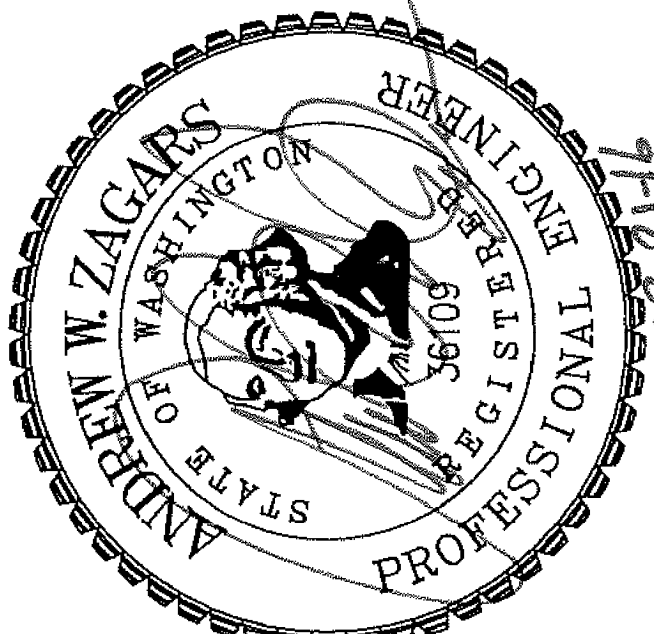


- LEGEND**
- FLAGGING STATION
 - TEMPORARY SIGN LOCATION
 - CHANNELIZING DEVICES
 - PROTECTIVE VEHICLE

ONE-LANE, TWO-WAY TRAFFIC CONTROL WITH FLAGGERS
NOT TO SCALE

- NOTES:**
- ALL SIGNS ARE BLACK ON ORANGE.
 - EXTENDING THE CHANNELIZING DEVICE TAPER ACROSS SHOULDER IS RECOMMENDED.
 - NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT FLAGGING STATIONS. SEE THE WSDOT STD SPECIFICATIONS FOR ADDITIONAL DETAILS.
 - SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.

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



CITY OF SAMMAMISH
DEPARTMENT OF PUBLIC WORKS

ONE-LANE, TWO-WAY TRAFFIC CONTROL WITH FLAGGERS

APPROVED BY _____ DATE _____
CITY ENGINEER _____

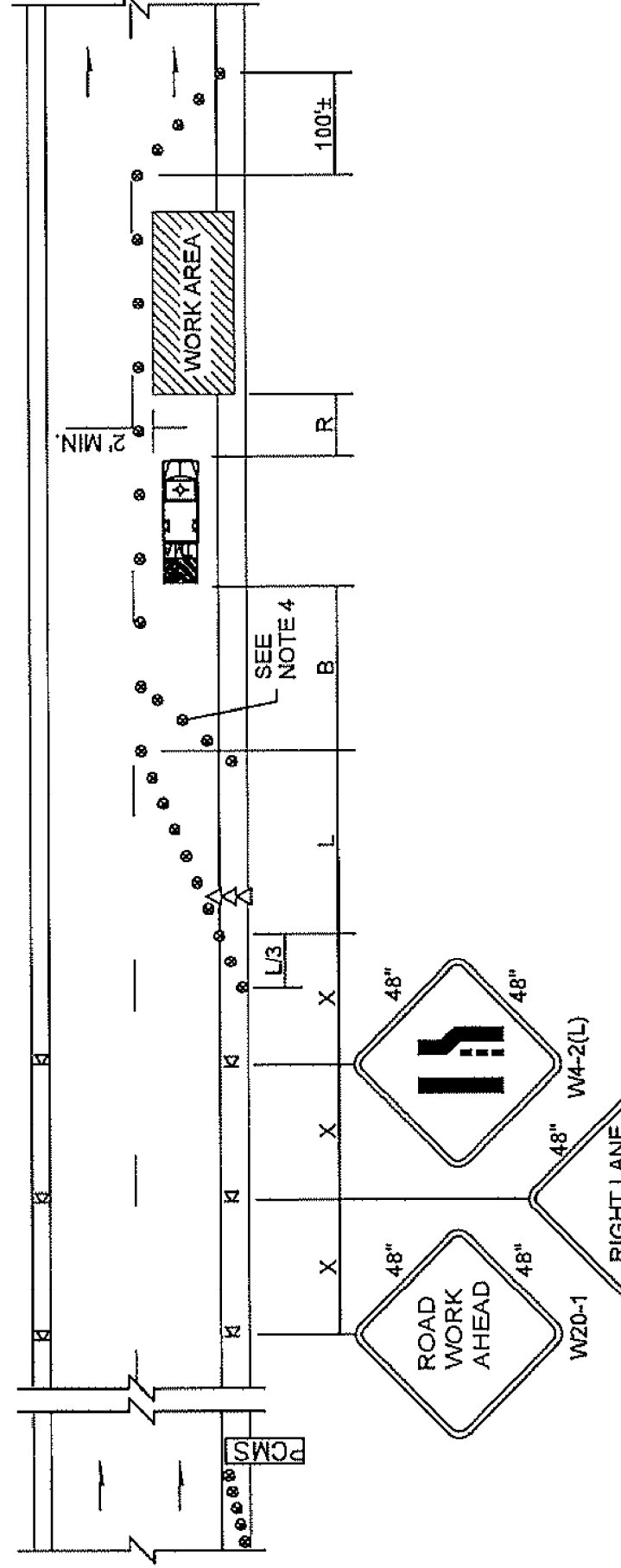
REV DWN XXX XXX CKD XXX XXX DATE AUG-XX-2015 FILE FIG09-01
REV. NO. Y

MINIMUM LANE CLOSURE TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	465	520	575	630	685	740
12	125	180	245	320	500	560	620	680	740	800

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	150	180	170	170	190
10'	40	60	90	90	150	170	190	200	220	240

USE A MINIMUM 3' DEVICES TAPER FOR SHOULDER LESS THEN 8'.

SIGN SPACING = X (1)	
FREWAYS & EXPRESSWAYS	55/70 MPH
RURAL HIGHWAYS	60/75 MPH
RURAL ROADS	45/55 MPH
RURAL ROADS & URBAN ARTERIALS	35/40 MPH
RESIDENTIAL & BUSINESS DISTRICTS	25/30 MPH
URBAN STREETS	25 MPH OR LESS
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP, AT-GRADE INTERSECTIONS AND DRIVEWAYS.	
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.	



- LEGEND**
- TEMPORARY SIGN LOCATION
 - TRAFFIC SAFETY DRUM
 - SEQUENTIAL ARROW SIGN
 - TRANSPORTABLE ATTENUATOR
 - PORTABLE CHANGEABLE MESSAGE SIGN

- NOTES:**
- SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.
 - EXTEND DEVICE TAPER AT L/3 ACROSS SHOULDER.
 - DEVICES SHALL NOT ENCRUCH INTO THE ADJACENT LANE.
 - USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' (FT) (RECOMMENDED).
 - DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20' (FT).
 - ALL SIGNS ARE BLACK ON ORANGE.



CITY OF SAMMAMISH
DEPARTMENT OF PUBLIC WORKS

SINGLE-LANE CLOSURE FOR MULTI-LANE ROADWAYS

APPROVED BY _____ DATE _____
CITY ENGINEER _____

REV DWN XXX XXX CKD XXX XXX DATE AUG-XX-2015 FILE FIG09-03
REV. NO. Y

CITY OF SAMMAMISH
KING COUNTY WASHINGTON
228TH AVENUE CURB RAMP RETROFIT AND CATCH BASIN REPAIRS
TRAFFIC CONTROL DETAILS



No.	REVISION	DATE	APPD

DATE:	FEB 2021
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CONSULTING ENGINEERS
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SIGN SPACING = X (1)	
RURAL ROADS & URBAN ARTERIALS	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	250' ± (2)
URBAN STREETS	25 MPH OR LESS

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

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)	
SHOULDER WIDTH (feet)	Posted Speed (mph)
25	30 35 40 45 50 55 60 65 70
8'	40 40 60 80
10'	40 60 80 80

USE A 3 DEVICES TAPER FOR SHOULDERS LESS THEN 8'

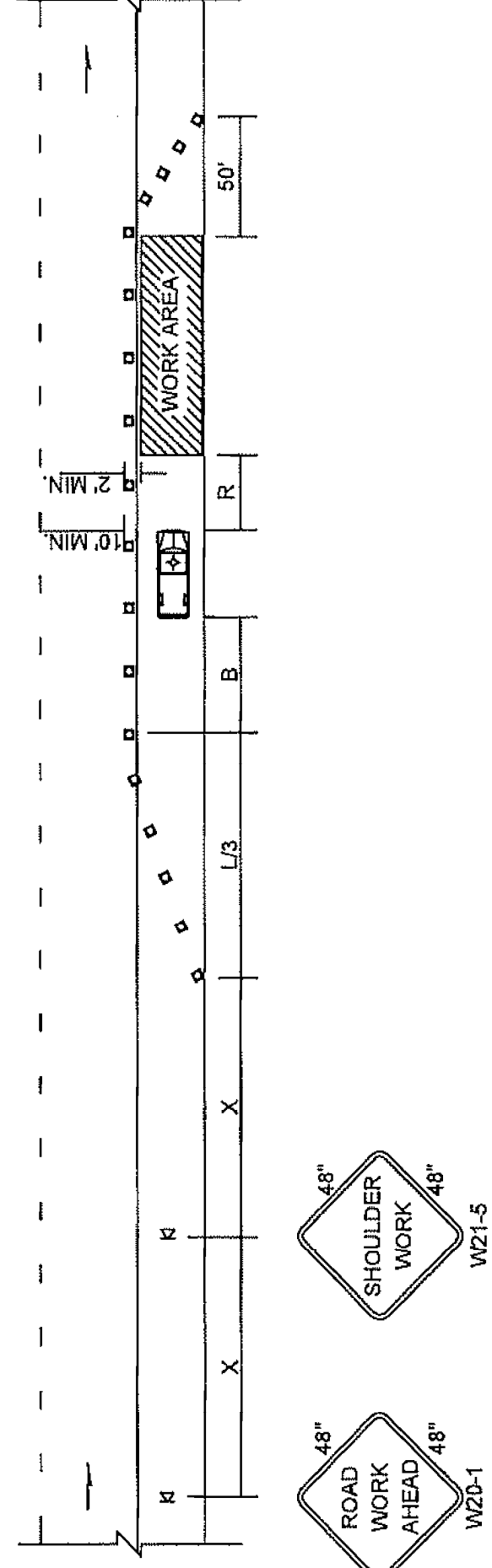
CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
35-60	30	60
25-50	20	40

BUFFER DATA	
LONGITUDINAL BUFFER SPACE = B	
SPEED (MPH)	25 30 35 40 45 50 55 60 65 70
LENGTH (feet)	155 200 250 305

BUFFER VEHICLE ROLL AHEAD DISTANCE = R

TRANSPORTABLE ATTENUATOR
 MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.
 PROTECTIVE VEHICLE
 MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA.

30 FEET MIN. TO 100 FEET MAX.
 NO SPECIFIED DISTANCE REQUIRED



- LEGEND**
- ⊠ TEMPORARY SIGN LOCATION
 - ▣ CHANNELIZING DEVICES
 - ▭ PROTECTIVE VEHICLE

- NOTES:**
1. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20' (FT).
 2. ALL SIGNS ARE BLACK ON ORANGE.



CITY OF SAMMAMISH
 DEPARTMENT OF PUBLIC WORKS

SHOULDER CLOSURE – LOW SPEED
(40 MPH OR LESS)

APPROVED BY _____ DATE _____
 CITY ENGINEER DWN XXX XXX DATE AUG-XX-2015 FILE FIG09-05

REV _____ CKD XXX XXX DATE _____ FILE _____

BUFFER DATA	
LONGITUDINAL BUFFER SPACE = B	
SPEED (MPH)	25 30 35 40 45 50 55 60 65 70
LENGTH (feet)	155 200 250 305 360 425 465 570 645

BUFFER VEHICLE ROLL AHEAD DISTANCE = R

TRANSPORTABLE ATTENUATOR
 MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.
 PROTECTIVE VEHICLE
 MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA.

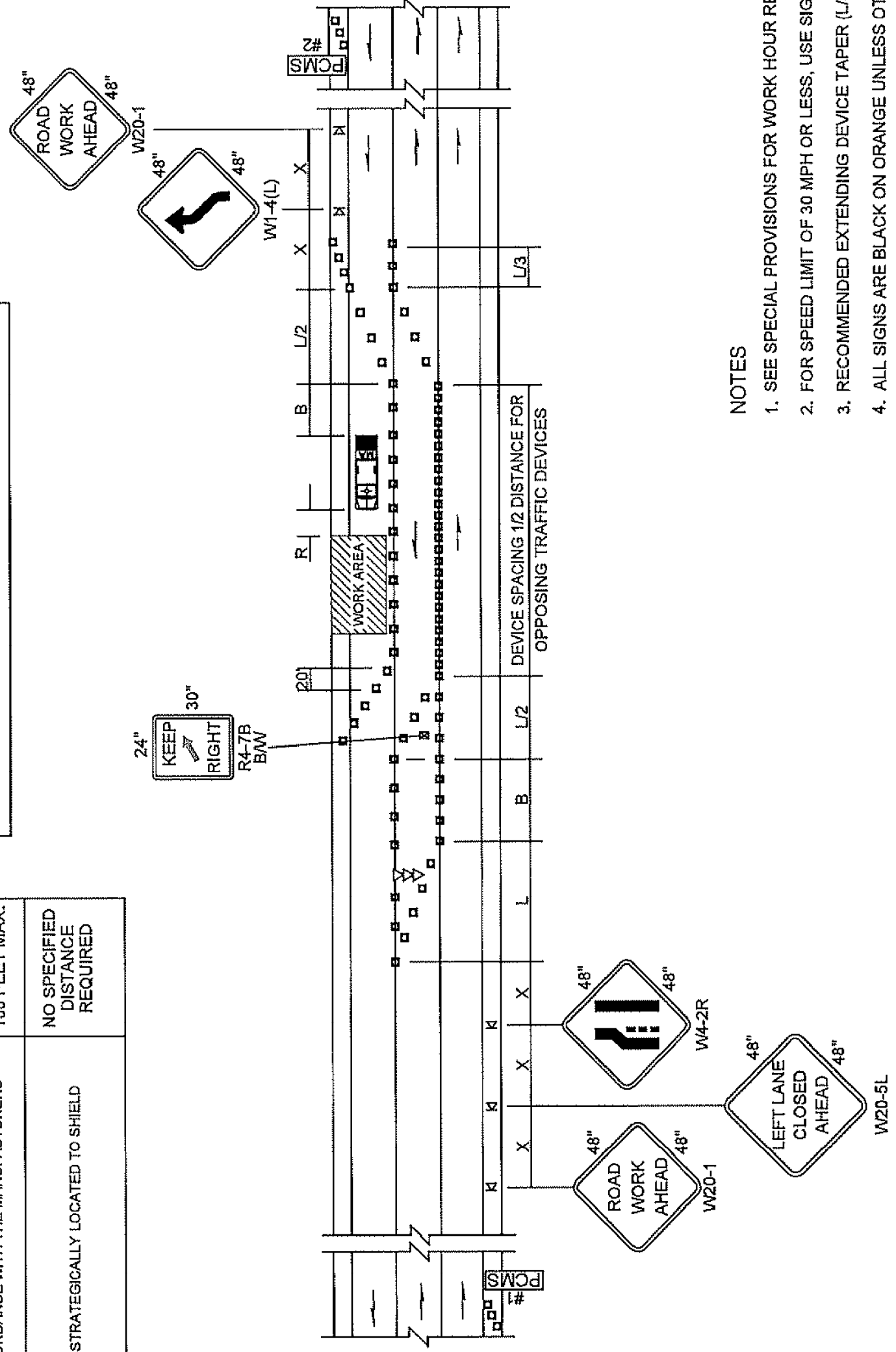
30 FEET MIN. TO 100 FEET MAX.
 NO SPECIFIED DISTANCE REQUIRED

SIGN SPACING = X (1)	
RURAL HIGHWAYS	60' / 85 MPH
RURAL ROADS	45' / 55 MPH
RURAL ROADS & URBAN ARTERIALS	35' / 40 MPH
RURAL ROADS & URBAN ARTERIALS	25' / 30 MPH
RESIDENTIAL & BUSINESS DISTRICTS	25 MPH OR LESS

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP SPACING. GRADE SECTIONS AND DRIVEWAYS MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

MINIMUM TAPER LENGTH = L (feet)	
LANE WIDTH (feet)	Posted Speed (mph)
25	30 35 40 45 50 55 60 65 70
10	105 150 205 270 450 500 550 - -
11	115 165 225 295 485 550 605 680 - -
12	125 180 245 320 540 600 680 720 780 - -

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50-80	40	80
35-45	30	60
25-50	20	40



- NOTES:**
1. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.
 2. FOR SPEED LIMIT OF 30 MPH OR LESS, USE SIGN W4-3 IN LIEU OF SIGN W4-4.
 3. RECOMMENDED EXTENDING DEVICE TAPER (L/3) ACROSS SHOULDER.
 4. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.



CITY OF SAMMAMISH
 DEPARTMENT OF PUBLIC WORKS

LANE SHIFT –
THREE LANE ROADWAY

APPROVED BY _____ DATE _____
 CITY ENGINEER DWN XXX XXX DATE AUG-XX-2015 FILE FIG09-08

REV _____ CKD XXX XXX DATE _____ FILE _____

- LEGEND**
- ⊠ TEMPORARY SIGN LOCATION
 - ▣ CHANNELIZING DEVICES
 - ▭ SEQUENTIAL ARROW SIGN
 - ▭ TRANSPORTABLE ATTENUATOR
 - ▭ PORTABLE CHANGEABLE MESSAGE SIGN
 - ▭ TEMPORARY SIGN LOCATION (5' MOUNTING HEIGHT)

CITY OF SAMMAMISH
 KING COUNTY WASHINGTON
228TH AVENUE CURB RAMP RETROFIT
AND CATCH BASIN REPAIRS
 TRAFFIC CONTROL DETAILS



DATE: FEB 2021
 DRAWN: DRS
 CHECKED: CNT
 APPROVED: BLS

Gray & Osborne, Inc.
 CONSULTING ENGINEERS
 1130 RAINIER AVENUE SOUTH, SUITE 300
 SEATTLE, WASHINGTON 98144 • (206) 264-0860

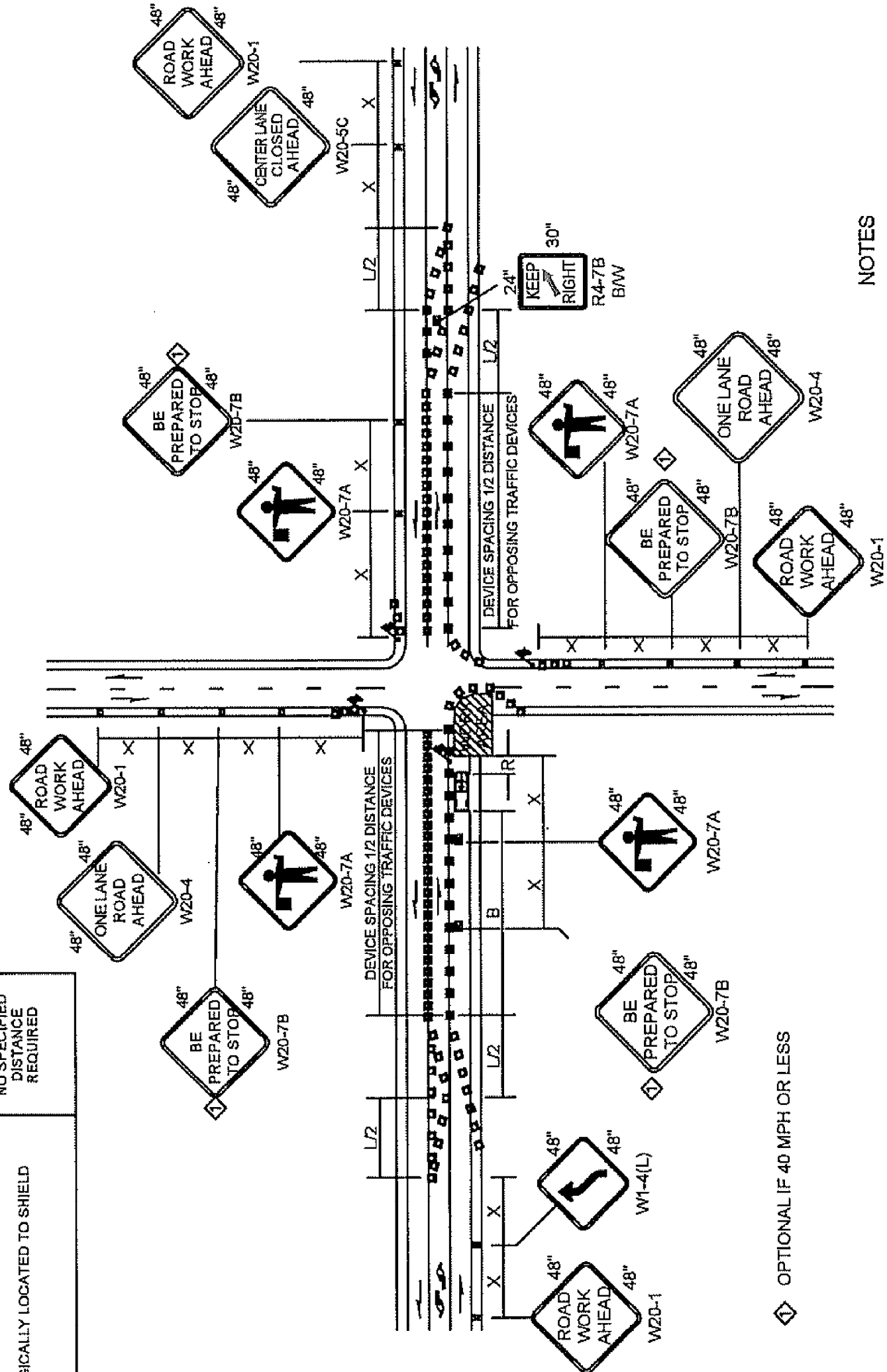
BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (ft)	155	200	250	305	360	425	485	570	645	-
BUFFER VEHICLE ROLL AHEAD DISTANCE = R										
TRANSPORTABLE ATTENUATOR 30 FEET MIN. MINIMUM VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.										
PROTECTIVE VEHICLE MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA.										

MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (ft)	Posted Speed (mph)									
		25	30	35	40	45	50	55	60	65
10	105	150	205	270	480	500	550	-	-	-
11	115	165	225	295	485	500	505	600	-	-
12	125	180	245	320	540	600	650	720	-	-

SIGN SPACING = X (1)		
RURAL HIGHWAYS	60 / 65 MPH	80' ±
RURAL ROADS	45 / 55 MPH	50' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	35' ±
RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	20' ± (2)
URBAN STREETS	25 MPH OR LESS	10' ± (2)

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

CHANNELIZATION DEVICE			
MPH	SPACING (ft)	TANGENT	WARRANT
50/70	40	100	NO
35/45	30	60	60
25/30	20	40	40



- NOTES
- RECOMMEND EXTENDING DEVICE TAPER (L3) ACROSS SHOULDER.
 - IF A SIGNAL IS PRESENT, IT SHALL BE SET TO "RED FLASH MODE" OR TURNED OFF DURING FLAGGING OPERATIONS.
 - FOR SPEED LIMIT OF 30 MPH OR LESS USE SIGN W1-3 IN LIEU OF SIGN W1-4.
 - MAINTAIN A MINIMUM OF ONE ACCESS POINT FOR EACH BUSINESS WITHIN WORK AREA LIMITS.
 - ALL SIGNS ARE BLACK UNLESS OTHERWISE DESIGNATED.

CITY OF SAMMAMISH
DEPARTMENT OF PUBLIC WORKS
INTERSECTION LANE CLOSURE -
THREE LANE ROADWAY

APPROVED BY: DWN XXX
CITY ENGINEER

DATE: AUG-XX-2015
FILE: FIG09-10

REV	CD	DATE	DESCRIPTION
XXX	XXX	AUG-XX-2015	FIG09-10

- LEGEND
- FLAGGING STATION
 - TEMPORARY SIGN LOCATION
 - CHANNELIZING DEVICES
 - PROTECTIVE VEHICLE - RECOMMENDED
 - TEMPORARY SIGN LOCATION (5' MOUNTING HEIGHT)

- OPTIONAL IF 40 MPH OR LESS
- FLAGGING STATION
 - TEMPORARY SIGN LOCATION
 - CHANNELIZING DEVICES
 - SEQUENTIAL ARROW SIGN
 - PROTECTIVE VEHICLE - RECOMMENDED
 - TEMPORARY SIGN LOCATION (5' MOUNTING HEIGHT)

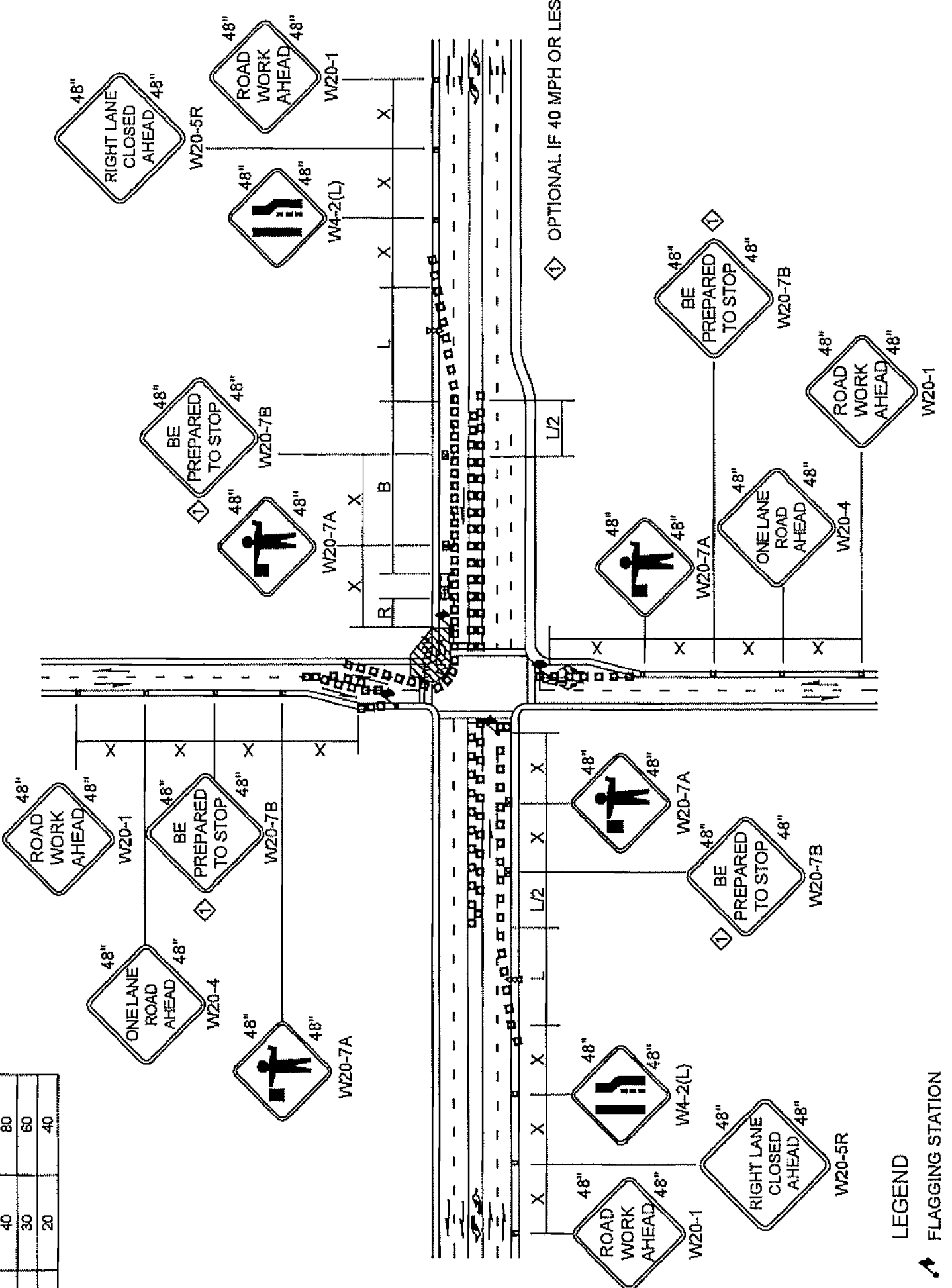
CHANNELIZATION DEVICE			
MPH	SPACING (ft)	TANGENT	WARRANT
50	40	100	NO
35/45	30	60	60
25/30	20	40	40

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (ft)	155	200	250	305	360	425	485	570	645	-
BUFFER VEHICLE ROLL AHEAD DISTANCE = R										
TRANSPORTABLE ATTENUATOR 30 FEET MIN. MINIMUM VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.										
PROTECTIVE VEHICLE MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA.										

MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (ft)	Posted Speed (mph)									
		25	30	35	40	45	50	55	60	65
10	105	150	205	270	480	500	550	-	-	-
11	115	165	225	295	485	500	505	600	-	-
12	125	180	245	320	540	600	650	720	-	-

SIGN SPACING = X (1)		
RURAL HIGHWAYS	60 / 65 MPH	80' ±
RURAL ROADS	45 / 55 MPH	50' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	35' ±
RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	20' ± (2)
URBAN STREETS	25 MPH OR LESS	10' ± (2)

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



- NOTES
- RECOMMEND EXTENDING DEVICE TAPER (L3) ACROSS SHOULDER.
 - IF A SIGNAL IS PRESENT, IT SHALL BE SET TO "RED FLASH MODE" OR TURNED OFF DURING FLAGGING OPERATIONS.
 - MAINTAIN A MINIMUM OF ONE ACCESS POINT FOR EACH BUSINESS WITHIN WORK AREA LIMITS.
 - ALL SIGNS ARE BLACK ON ORANGE.

CITY OF SAMMAMISH
DEPARTMENT OF PUBLIC WORKS
INTERSECTION LANE CLOSURE -
FIVE LANE ROADWAY

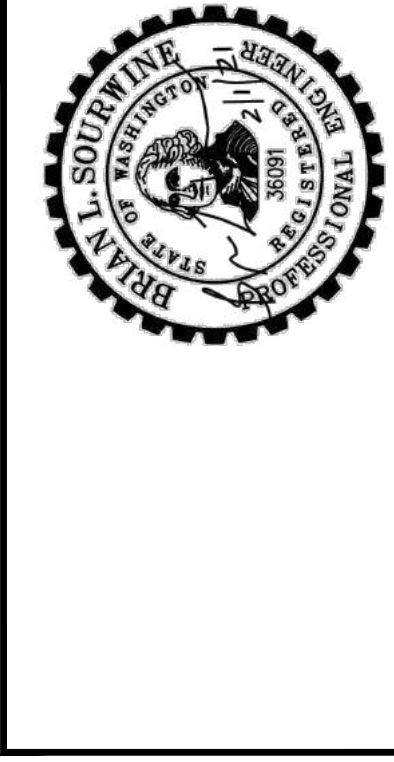
APPROVED BY: DWN XXX
CITY ENGINEER

DATE: AUG-XX-2015
FILE: FIG09-11

REV	CD	DATE	DESCRIPTION
XXX	XXX	AUG-XX-2015	FIG09-11

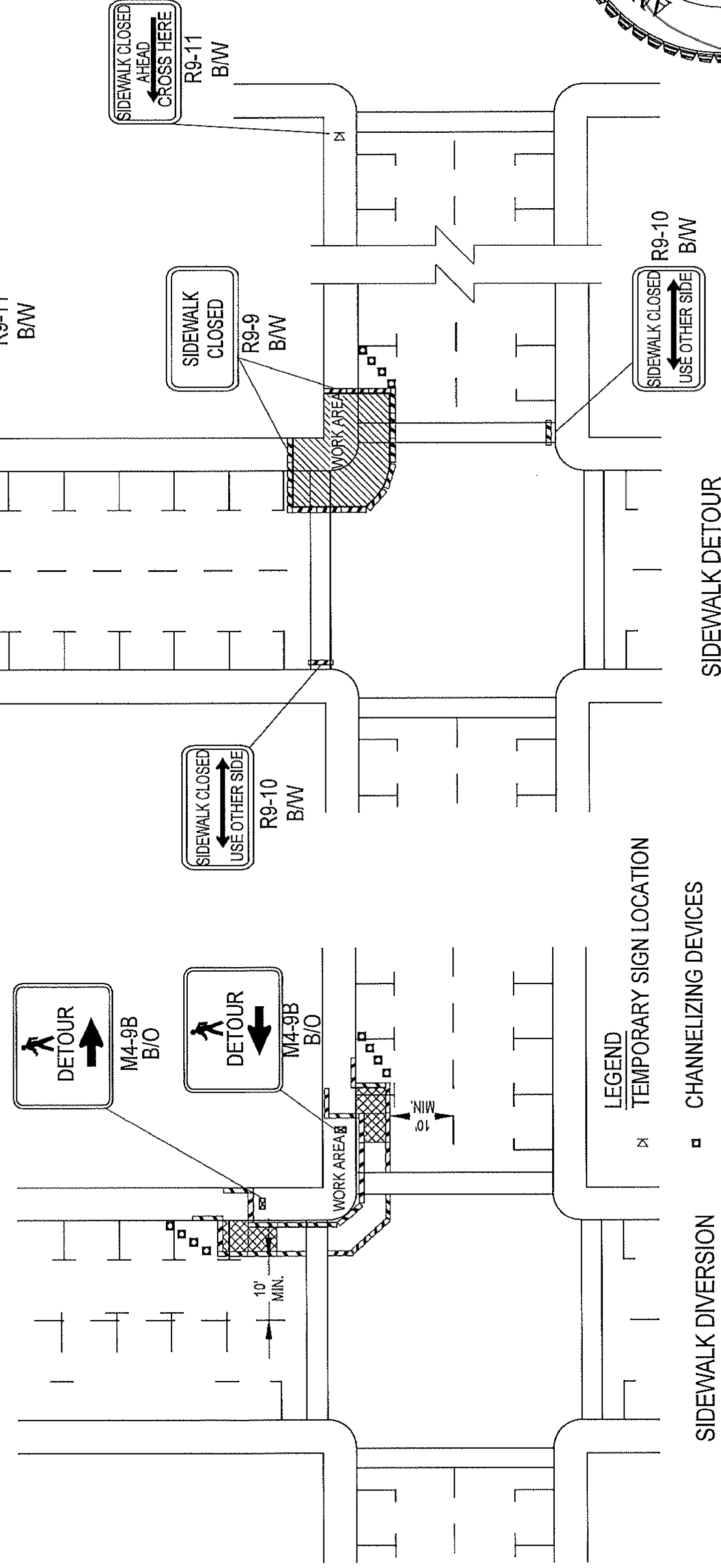
- LEGEND
- FLAGGING STATION
 - TEMPORARY SIGN LOCATION
 - CHANNELIZING DEVICES
 - SEQUENTIAL ARROW SIGN
 - PROTECTIVE VEHICLE - RECOMMENDED
 - TEMPORARY SIGN LOCATION (5' MOUNTING HEIGHT)

- OPTIONAL IF 40 MPH OR LESS
- FLAGGING STATION
 - TEMPORARY SIGN LOCATION
 - CHANNELIZING DEVICES
 - SEQUENTIAL ARROW SIGN
 - PROTECTIVE VEHICLE - RECOMMENDED
 - TEMPORARY SIGN LOCATION (5' MOUNTING HEIGHT)



DATE	REVISION	DATE	APPD
FEB 2021			
DRAWN: DRS			
CHECKED: CNT			
APPROVED: BLS			

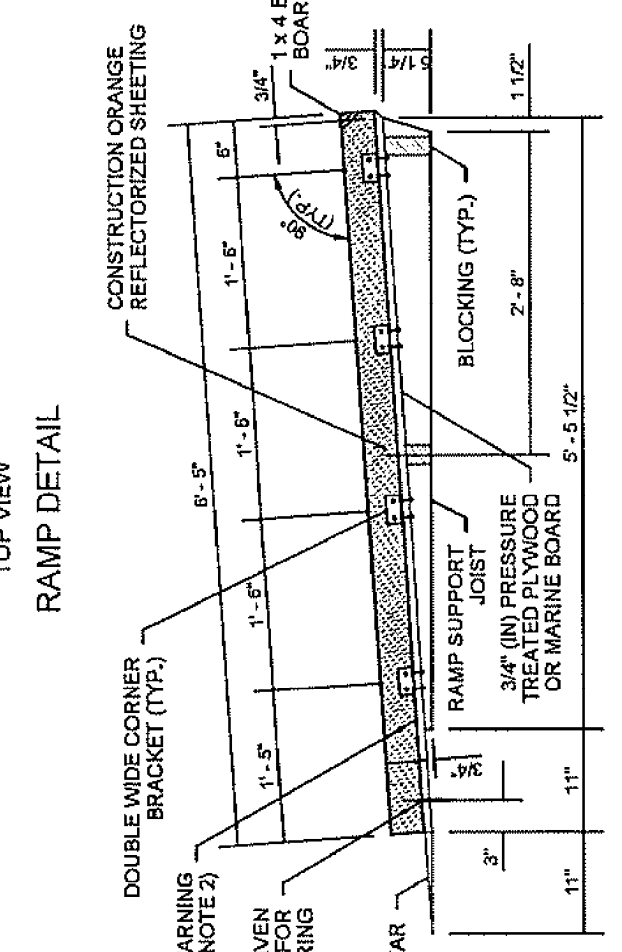
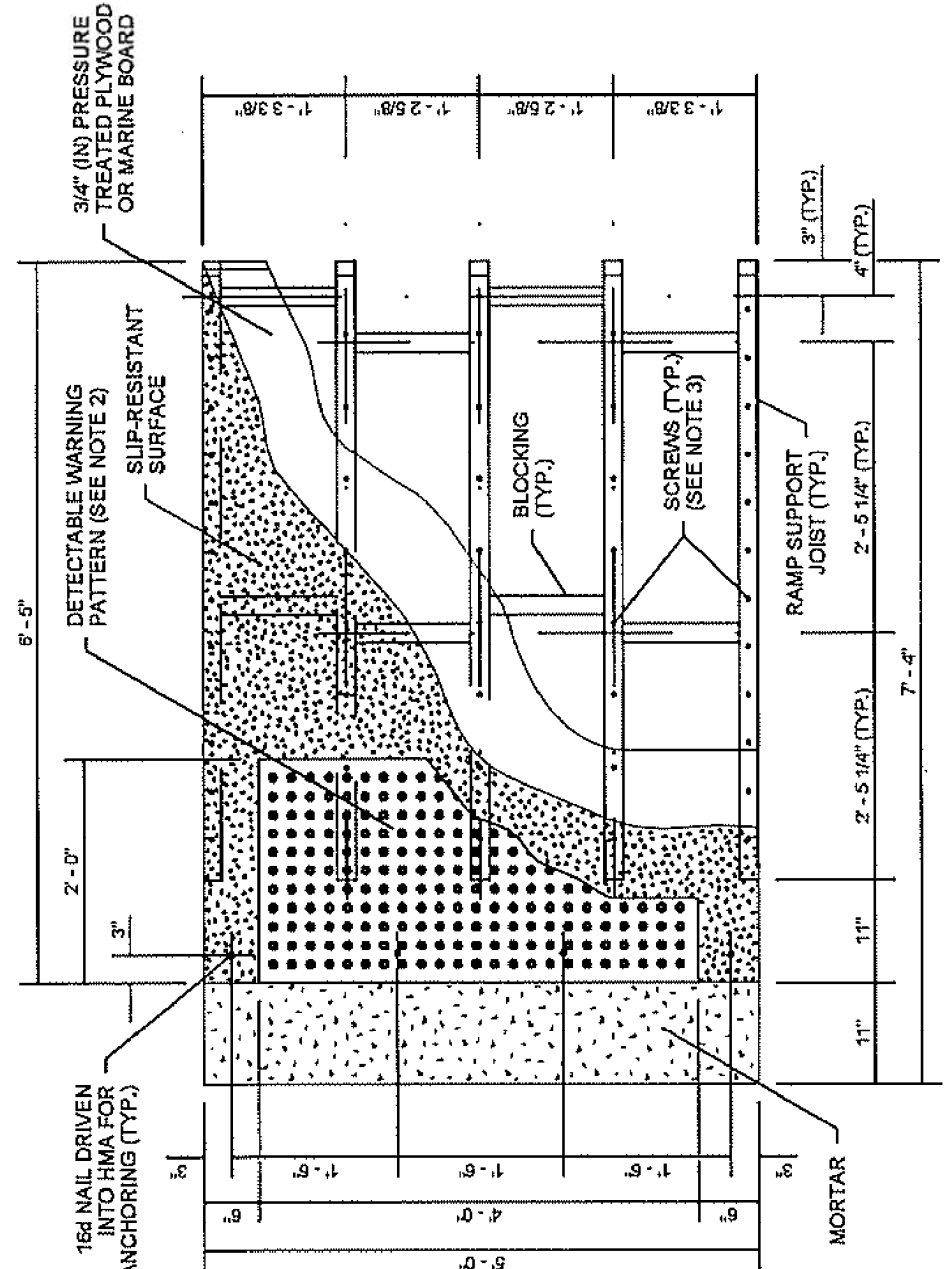
NO PARKING
R8-3 INSTALL ON TYPE 2 BARRICADES THROUGHOUT THE WORK AREA
R/W 24 HOURS PRIOR TO IMPLEMENTING TRAFFIC CONTROL.
PRIOR NOTIFICATION OF LOCAL LAW ENFORCEMENT REQUIRED.



CITY OF SAMMAMISH
DEPARTMENT OF PUBLIC WORKS
INTERSECTION PEDESTRIAN TRAFFIC CONTROL

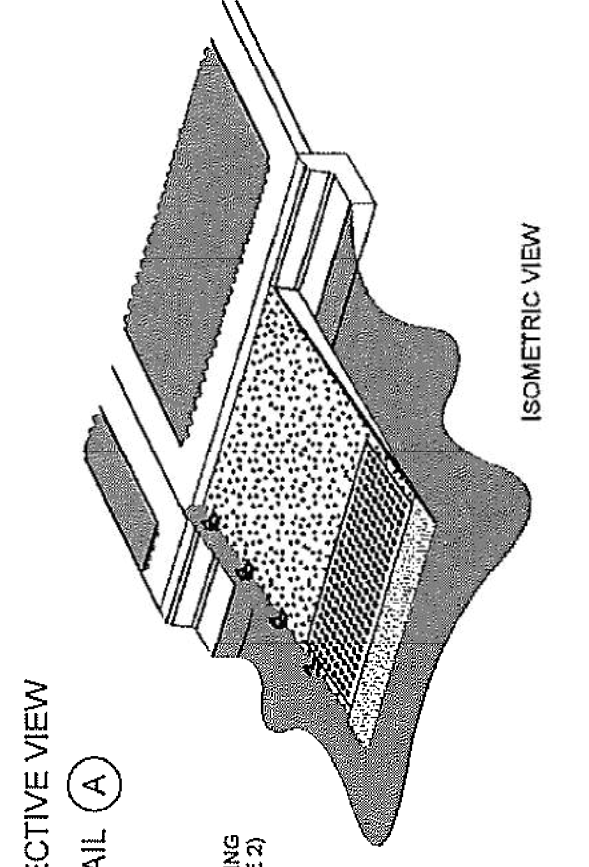
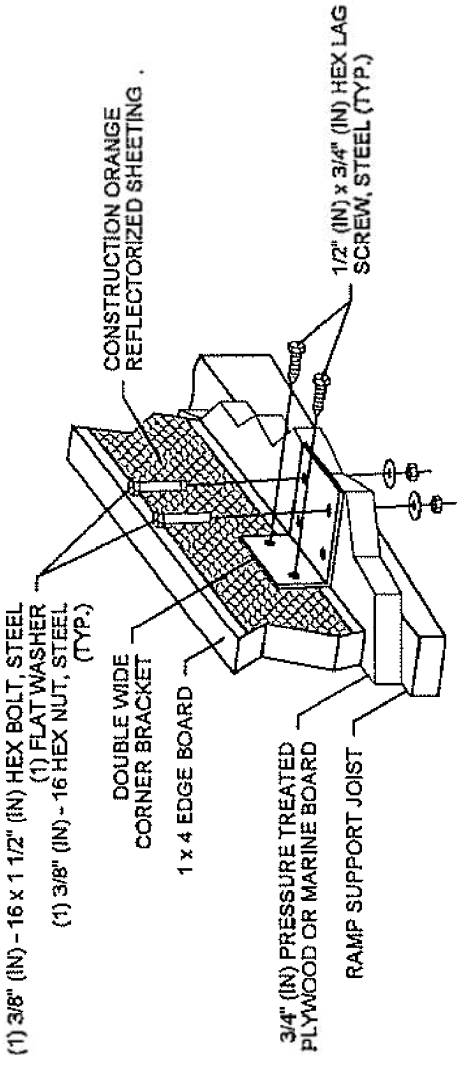
APPROVED BY	DATE	FILE
CITY ENGINEER		
DWN XXX	AUG-XX-2015	FIG09-12
CKD XXX		

- NOTES:**
1. CONTROLS SHOWN ARE FOR PEDESTRIAN TRAFFIC ONLY.
 2. A 60" PEDESTRIAN PATH WIDTH SHOULD BE MAINTAINED (48" IS THE MINIMUM).
 3. CONTACT AND COORDINATE IMPACTED TRANSIT AGENCIES PRIOR TO IMPLEMENTING ANY CLOSURES.
 4. SEE STD DWG 9-13 FOR TEMPORARY PEDESTRIAN RAMP DETAILS.
 5. ADA PEDESTRIAN FACILITIES MUST BE MAINTAINED, SEE WSDOT STD SPECIFICATION 1-10.2(1)B.
 6. TEMPORARY PEDESTRIAN PUSH BUTTONS SHALL BE PLACED ON THE DIVERTED PATH WHEN EXISTING BUTTONS ARE NOT ACCESSIBLE TO PEDESTRIANS.



NOTES

1. THIS DESIGN ASSUMES OPTIMAL CONDITIONS AND A STANDARD CURB HEIGHT OF 6" (IN). INSTALLED RAMPS SHALL BE NO STEEPER THAN 12H:1V AND SHALL HAVE A CROSS-SLOPE OF 2% OR LESS. USE SHIMS OR GROUT AS REQUIRED TO ADJUST FOR EXISTING CONDITIONS AND TO PREVENT ROCKING. SHIMS SHALL BE NO HIGHER THAN 1" (IN), AND SHALL BE SECURED TO THE RAMP. FOR CURBS SHORTER THAN 6" (IN), INSTALL A RAMP ON THE SIDEWALK. NO STEEPER THAN 12H:1V, MADE OF GROUT OR AS APPROVED BY THE ENGINEER. ADJUSTMENTS TO THE RAMP DIMENSIONS SHOWN MAY BE REQUIRED TO MATCH EXISTING CONDITIONS.
2. THE DETECTABLE WARNING PATTERN SHALL BE INSTALLED ONLY WHEN THE INTENT IS TO GUIDE PEDESTRIANS DIRECTLY ACROSS THE ROADWAY (CROSSWALK). SEE WSDOT STD PLAN P-40.10 FOR DETAILS.
3. SCREWS SHALL BE USED TO SECURE THE RAMP SURFACE. SPACING SHALL BE IN ACCORDANCE WITH THE CURRENT BUILDING CODE.
4. USE A SLIP-RESISTANT TREATMENT FOR THE SURFACE OF RAMP.
5. ALL FASTENERS SHALL BE GALVANIZED.
6. DO NOT INSTALL A HAND RAILING IF USING THE EDGE BOARD OPTION.
7. RAMP AND RAMP LANDING SHALL NOT EXTEND INTO AN OPEN BIKE LANE OR TRAVEL LANE.



CITY OF SAMMAMISH
DEPARTMENT OF PUBLIC WORKS
TEMPORARY PEDESTRIAN RAMP

APPROVED BY	DATE	FILE
CITY ENGINEER		
DWN XXX	AUG-XX-2015	FIG09-13
CKD XXX		



DATE:	FEB 2021
DRAWN:	DRS
CHECKED:	ONT
APPROVED:	BLS
No.	
REVISION	DATE APPD