S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA

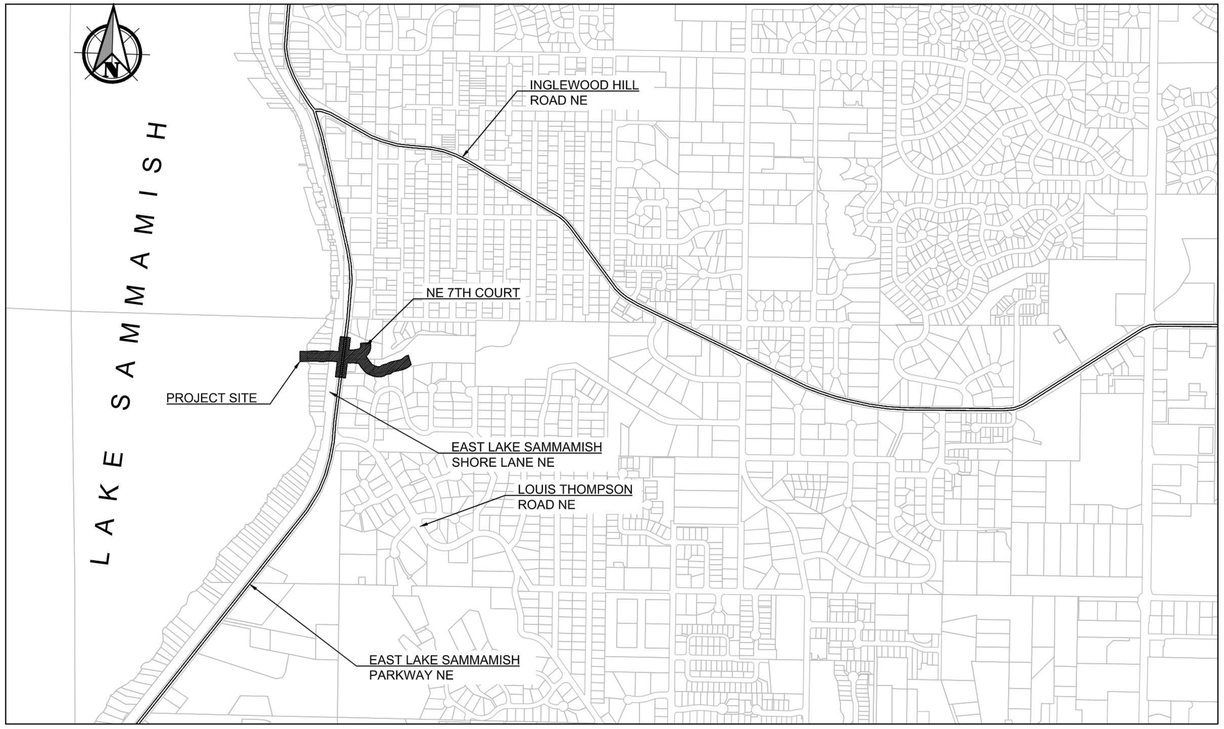
VOLUME 1

GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT

CITY OF SAMMAMISH

THIS CONTRACT INCLUDES CITY VOLUME I AND COUNTY VOLUME II.

Conformed Set



SITE LOCATION MAP

SCALE: 1" = 500'

GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT ENVIRONMENTAL PROJECT DATA	
PROJECT DESCRIPTION	THIS PROJECT WILL REMOVE AN EXISTING STORMWATER BYPASS SYSTEM AND BARRIERS TO FISH MIGRATION ON GEORGE DAVIS CREEK AND IMPROVES FISH PASSAGE FROM LAKE SAMMAMISH TO A POINT APPROXIMATELY 600 FEET EAST OF EAST LAKE SAMMAMISH PARKWAY NE.
SITE AREA	1.0 AC
DISTURBED AREA	1.0 AC
NEW PLUS IMPROVED IMPERVIOUS AREA	8,305 SF
SITE SOIL CLASSIFICATION	D- STIFF SOIL
RECEIVING WATER BODY	LAKE SAMMAMISH
RECEIVING WATER BODY LIMITATIONS	GEORGE DAVIS CREEK STATE 303(D) LISTED: TEMPERATURE, TWO BACTERIA TYPES (INCLUDING E. COLI), BIOASSESSMENTS; CONCERN NOTED FOR LOW DISSOLVED OXYGEN AND ELEVATED COPPER.
WATERSHED (8-DIGIT HUC)	8-17110012
TYPICAL STREAM FLOW MAXIMUM	14 CFS DURING CONSTRUCTION SEASON
IN-WATER WORK WINDOW	6/15/2026 - 10/31/2026 (1)

FUNDING PARTNERS

Washington State Department of Commerce

IN MEMORY OF
BRIAN ABBOTT
A TIRELESS ADVOCATE FOR SALMON RECOVERY

KING COUNTY FLOOD CONTROL DISTRICT

OWNER CONTACT INFORMATION:

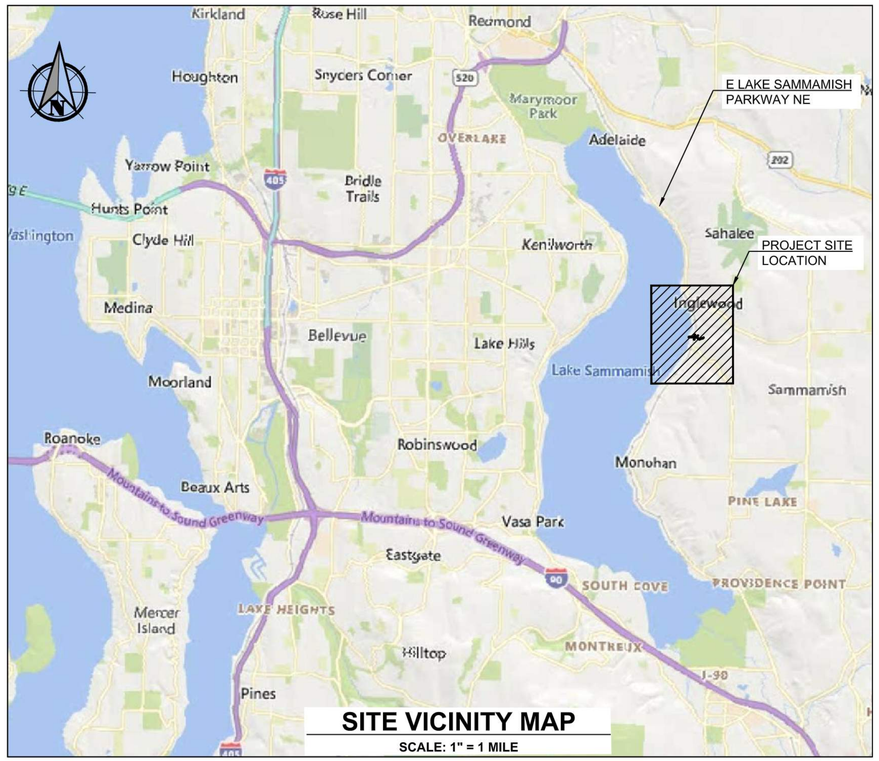
OWNER:	CITY OF SAMMAMISH 801 228TH AVE SE SAMMAMISH, WA 98075 PHONE: (425) 295-0500
MAYOR:	JOSH AMATO JAMATO@SAMMAMISH.US
DEPUTY MAYOR:	DEBBIE TREEN DTREEN@SAMMAMISH.US
CITY COUNCIL:	AMY LAM ROISIN O'FARRELL KENT TREEN MICHAEL BOYER PAM STUART
CITY MANAGER:	SCOTT MACCOLL
CITY ENGINEER:	LEI WU
DIRECTOR OF PUBLIC WORKS:	AUDRIE STARSY
PROJECT MANAGER:	KATHRYN HOFFMANN KHOFFMANN@SAMMAMISH.US JED IRELAND JIRELAND@SAMMAMISH.US

ENGINEER CONTACT INFORMATION:

CIVIL ENGINEER:	APEX COMPANIES 22833 SE BLACK NUGGET ROAD, SUITE 140 ISSAQUAH, WA 98029 (425) 654-8775 (866) 727-0140 (FAX)
PROJECT MANAGER:	HOD WELLS, PE, HOD.WELLS@APEXCOS.COM (503) 417-7723
PROJECT ENGINEER:	SASH RIJAL, PE SASH.RIJAL@APEXCOS.COM (425) 654-8766

PHONE NUMBERS:

FIRE / MEDIC 1 / POLICE	911
SAMMAMISH PUBLIC WORKS	(425) 295-0500
WATER (SAMMAMISH PLATEAU WATER & SEWER DISTRICT)	(425) 392-6256
SEWER (SAMMAMISH PLATEAU WATER & SEWER DISTRICT)	(425) 392-6256
POWER (PUGET SOUND ENERGY)	(425) 463-6550
GAS (PUGET SOUND ENERGY)	(425) 463-6550
COMMUNICATIONS (COMCAST)	(253) 303-2723
COMMUNICATIONS (ZIPLY)	(425) 559-5035
U.S. POST OFFICE, ISSAQUAH POSTMASTER	(425) 837-8795



SITE VICINITY MAP

SCALE: 1" = 1 MILE

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX

COVER SHEET FOR: GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

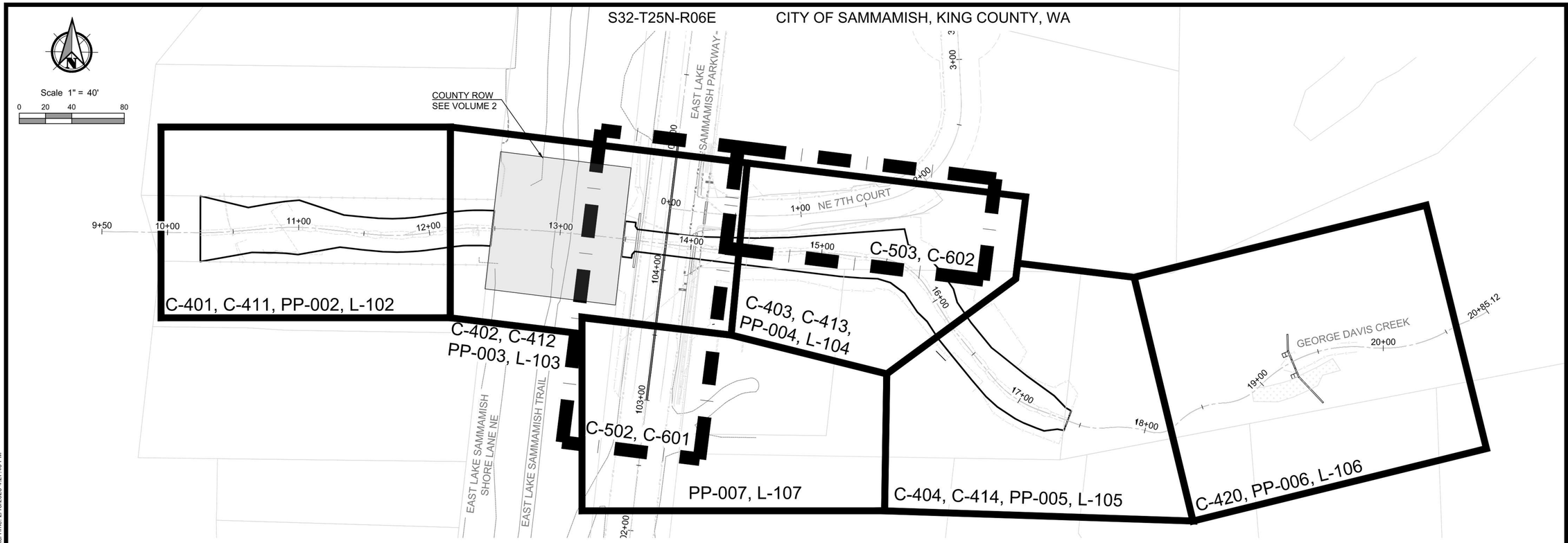
SASH RIJAL — STATE OF WASHINGTON — 25683 — REGISTERED PROFESSIONAL ENGINEER — 03/11/2026

DESIGNED:	SR
CHECKED:	CMK
NOVEMBER 2025	45015-004
SHEET ID	C-001
SHEET	1 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-001_CVR.dwg Layout Tab: C-001 COVER SHEET User: Justin Sullivan CAD Plot Date/Time: 3/10/2026 2:57:36 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA



SHEET INDEX - VOLUME 1

PAGE	SHEET	DESCRIPTION
1	C-001	COVER SHEET
2	C-002	SHEET INDEX AND KEY
3	C-003	LEGEND AND ABBREVIATIONS
4	C-004	GENERAL PROJECT AND SURVEY NOTES
5	C-005	EROSION & SEDIMENT CONTROL PLAN NOTES
6	C-006	DRAINAGE AND SWPPS PLAN NOTES
7	C-007	ROADWAY PLAN NOTES
8	C-101	ROW AND ALIGNMENT PLAN
9	C-102	ROW AND ALIGNMENT PLAN
10	C-201	EROSION AND SEDIMENT CONTROL PLAN
11	C-202	EROSION AND SEDIMENT CONTROL PLAN
12	C-203	EROSION AND SEDIMENT CONTROL DETAILS
13	C-204	EROSION AND SEDIMENT CONTROL DETAILS
14	C-301	SITE PREP PLAN
15	C-302	SITE PREP PLAN
16	C-303	DOCK REMOVAL PLAN
17	C-351	CONSTRUCTION STAGING NOTES
18	C-352	CONSTRUCTION STAGE 1
19	C-353	CONSTRUCTION STAGE 2.1
20	C-354	CONSTRUCTION STAGE 2.2
21	C-355	CONSTRUCTION STAGE 2.3
22	C-356	CONSTRUCTION STAGE 3
23	C-401	STREAM PLAN AND PROFILE - LAKE END
24	C-402	STREAM PLAN AND PROFILE - BRIDGE
25	C-403	STREAM PLAN AND PROFILE - EAST BRIDGE
26	C-404	STREAM PLAN AND PROFILE - EAST END
27	C-405	TYPICAL CHANNEL SECTIONS - LAKE END
28	C-406	TYPICAL CHANNEL SECTIONS - BRIDGE
29	C-407	TYPICAL CHANNEL SECTIONS - EAST BRIDGE AND EAST END
30	C-408	STREAMBED DETAILS
31	C-409	LARGE WOOD LAYOUT PLAN - LAKE END
32	C-410	LARGE WOOD LAYOUT PLAN - BRIDGE
33	C-411	LARGE WOOD LAYOUT PLAN - EAST BRIDGE
34	C-412	LARGE WOOD LAYOUT PLAN - EAST END
35	C-413	LARGE WOOD JAM DETAILS
36	C-414	MEDIUM WOOD JAM DETAILS

SHEET INDEX - VOLUME 1

PAGE	SHEET	DESCRIPTION
37	C-415	SMALL WOOD JAM DETAILS
38	C-416	BEND WOOD JAM DETAILS
39	C-417	BRIDGE WOOD JAM DETAILS
40	C-418	MECHANICAL CONNECTION DETAILS
41	C-419	DAM STREAM PLAN, PROFILE, AND WOOD LAYOUT
42	C-420	DAM TYPICAL CHANNEL SECTIONS AND DETAILS
43	C-501	TYPICAL ROADWAY SECTION
44	C-502	E LAKE SAMMAMISH PKWY NE PLAN AND PROFILE
45	C-503	NE 7TH CT PLAN AND PROFILE
46	C-504	FENCE AND PROPERTY RESTORATION PLAN
47	C-505	FENCE AND PROPERTY RESTORATION PLAN
48	C-506	SHORE LANE RESURFACING PLAN
49	C-507	ROADWAY DETAILS
50	C-508	ROADWAY DETAILS
51	C-509	ROADWAY DETAILS
52	C-601	E LAKE SAMMAMISH PKWY NE UTILITY RELOCATION
53	C-602	NE 7TH CT UTILITY RELOCATION
54	C-603	SEWER BYPASS PLAN
55	C-604	SEWER DETAILS
56	C-605	SEWER DETAILS
57	C-606	WATER DETAILS
58	C-607	WATER DETAILS
59	C-608	WATER DETAILS
60	C-801	TRAFFIC CONTROL PLAN
61	C-802	TRAFFIC CONTROL PLAN
62	WL-001	WALL STRUCTURAL NOTES
63	WL-100	GENERAL RETAINING WALLS LAYOUT
64	WL-101	WALL 1 PLAN AND PROFILE
65	WL-102	WALL 2 PLAN AND PROFILE
66	WL-103	WALL 3 PLAN AND PROFILE
67	WL-104	WALL 4 PLAN AND PROFILE
68	WL-105	WALL 5 PLAN AND PROFILE
69	WL-106	WALL 6 PLAN AND PROFILE
70	WL-201	PILE AND LAGGING DATA TABLES
71	WL-301	WALL 1 TYPICAL SECTION
72	WL-302	WALL 2 TYPICAL SECTION

SHEET INDEX - VOLUME 1

PAGE	SHEET	DESCRIPTION
73	WL-303	WALL 3 & 4 TYPICAL SECTION
74	WL-304	WALL 5 & 6 TYPICAL SECTIONS
75	WL-401	WALL TYPICAL DETAILS - 1 OF 2
76	WL-402	WALL TYPICAL DETAILS - 2 OF 2
77	BR-501	BRIDGE STRUCTURAL NOTES AND PROFILE LINES
78	BR-502	BRIDGE LAYOUT
79	BR-503	CONSTRUCTION SEQUENCE
80	BR-504	FOUNDATION AND ABUTMENT LAYOUT
81	BR-505	FRAMING PLAN
82	BR-506	ABUTMENT ELEVATION AND DETAILS
83	BR-507	PILE DETAILS
84	BR-508	TYPICAL SECTION - ABUTMENT
85	BR-509	TYPICAL SECTION - BRIDGE
86	BR-510	PRECAST SLAB GIRDER DETAIL
87	BR-511	BRIDGE UTILITY HANGER DETAIL
88	BR-512	APPROACH SLAB DETAILS - 1 OF 2
89	BR-513	APPROACH SLAB DETAILS - 2 OF 2
90	BR-514	TRAFFIC BARRIER DETAILS - 1 OF 2
91	BR-515	TRAFFIC BARRIER DETAILS - 2 OF 2
92	S-001	DECK PLAN AND ELEVATION
93	S-002	DECK DETAILS
94	PP-001	SEEDING LEGEND AND DETAILS
95	PP-002	SEEDING PREPARATION PLAN-LAKE END
96	PP-003	SEEDING PREPARATION PLAN-BRIDGE
97	PP-004	SEEDING PREPARATION PLAN-EAST
98	PP-005	SEEDING PREPARATION PLAN-EAST END
99	PP-006	SEEDING PREPARATION PLAN-DAM
100	PP-007	SEEDING PREPARATION PLAN-SOUTH
101	L-101	LANDSCAPE LEGEND AND NOTES
102	L-102	LANDSCAPE PLAN - LAKE END
103	L-103	LANDSCAPE PLAN - BRIDGE
104	L-104	LANDSCAPE PLAN - EAST BRIDGE
105	L-105	LANDSCAPE PLAN - EAST END
106	L-106	LANDSCAPE PLAN - DAM
107	L-107	LANDSCAPE PLAN- SOUTH
108	L-108	LANDSCAPE DETAILS

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

SHEET INDEX AND KEY FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.



DESIGNED: SR
CHECKED: CMK
NOVEMBER 2025
45015-004

SHEET ID
C-002
SHEET 2 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\WorkingSheets\C-002_SHT_INDX.dwg Layout Tab: C-002 SHEET INDEX AND KEY User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:27:40 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

PROPOSED SYMBOL LEGEND

Proposed Sanitary Cap	
Proposed Sanitary Reducer	
Proposed Sanitary Cleanout	
Proposed Sanitary Manhole	
Proposed Water Meter	
Proposed Water Backflow Device	
Proposed Water Valve	
Proposed Water Bend Tee W/ Valve	
Proposed Water Bend Tee W/ TB	
Proposed Water 22½° Bend W/ TB	
Proposed Water 11¼° Bend W/ TB	
Proposed Water 45° Bend W/ TB	
Proposed Water 90° Bend W/ TB	
Proposed Water Stand Pipe	
Proposed Water Bend X	
Proposed Water Temporary Blowoff	
Proposed Water Standard Blowoff	
Proposed Water Reducer	
Proposed Water Thrust Block	
Proposed Fire Hydrant	
Proposed Bollard	
Proposed Street Light	
Proposed Road Barrier	
Proposed Road Sign	
Proposed Flow Arrow	
Proposed Inlet Protection Pillow	
Stabilized Construction Entrance	
Proposed Sedimentation Trap	
Proposed Coffer Dam	
Proposed Dam Removal	

EXISTING SYMBOL LEGEND

Existing Shrub	
Existing Sign	
Existing Storm Drainage Data	
Existing Storm Manhole	
Existing Telephone Riser	
Existing Test Pit	
Existing Water Manhole	
Existing Water Meter	
Existing Water Valve	
Existing Deadman	

PROPOSED LINETYPE LEGEND

Proposed Sanitary Lateral
Proposed Sanitary Sewer Pipe
Proposed Water Main Pipe
Proposed Water Service Pipe
Proposed Centerline
Proposed Edge of Pavement
Proposed High Visibility Fence
Proposed Chain Link Fence
Proposed Wood Panel Fence
Proposed Flow Line
Proposed Paint Stripe
Proposed Right-Of-Way
Proposed Sawcut Line
Proposed Wall
Proposed Cut Limit
Proposed Fill Limit
Fish Exclusion Installation
Silt Fence
Clearing Limits
Impact Limits
Wattles
Temporary Stream Diversion
Ordinary High Water Mark
Proposed Stream
Temporary Shoring
Temporary Construction Easement
Sanitary Sewer Bypass

EXISTING SYMBOL LEGEND

Existing Area Drain	
Existing Catch Basin	
Existing Cleanout	
Existing Combo Inlet	
Existing Coniferous Tree	
Existing Deciduous Tree	
Existing Ditch Inlet	
Existing Electrical Pedestal	
Existing Fire Hydrant	
Existing Flow Arrow	
Existing Gas Valve	
Existing Guy Anchor	
Existing Iron Rod	
Existing Power Meter	
Existing Power Pole	
Existing Power Riser	
Existing Bore Hole	
Existing Roof Drain	
Existing Sanitary Cleanout	
Existing Sanitary Manhole	
Existing Sanitary Sewer Data	

FUTURE SYMBOL LEGEND

Future 11¼° Bend W/ TB	
Future 22½° Bend W/ TB	
Future 45° Bend W/ TB	
Future 90° Bend W/ TB	
Future Backflow Device	
Future Bend Tee W/ TB	
Future Bend Tee W/ Valve	
Future Bend X	
Future Catch Basin	
Future Fire Hydrant	
Future Fire Protection Vault	
Future Reducer	
Future Sanitary Cap	
Future Sanitary Manhole	
Future Stand Pipe	
Future Standard Blowoff	
Future Storm Manhole	
Future Temporary Blowoff	
Future Thrust Block	
Future Valve	
Future Water Meter	

EXISTING LINETYPE LEGEND

Existing Sanitary Force Main
Existing Sanitary Sewer Pipe
Existing X" Sanitary Sewer Pipe
Existing Storm Sewer Pipe
Existing X" Storm Sewer Pipe
Existing Water Pipe
Existing X" Water Pipe
Existing Water Lateral
Existing Building
Existing Cable Tv Line
Existing Centerline
Existing Contour
Existing Curb
Existing Curb & Gutter
Existing Fence
Existing Fiber Optic Line
Existing Flow Line
Existing Gas Line
Existing Gravel Road
Existing Lot Line
Existing Over Head Power Line
Existing Paint Stripe
Existing Quarter Section
Existing Right-Of-Way
Existing Telephone Line
Existing Underground Utility Line
Existing Easement Line
Existing Wall
Existing Property Line
Existing Quarter-Section Boundary Line

ABBREVIATIONS

A

Ac	Acres
AC	Asphalt Concrete
AD	Area Drain
ADS	Advanced Drainage Systems
AP	Angle Point
APPD	Approved
ASSY	Assembly
ASTM	American Society for Testing & Materials
AVE	Avenue

B

BC	Back Of Curb
BF	Butterfly
BLVD	Boulevard
BM	Benchmark
BO	Blowoff
BOP	Beginning Of Project
BOT	Bottom
BR	Begin Curb Return
BVC	Begin Vertical Curve
BW	Bottom Of Wall

C

C&G	Curb And Gutter
CAT	Category
CB	Catch Basin
CCI	Combination Curb Inlet
CEM	Cement
CF	Cubic Feet
CHK	Check
CI	Curb Inlet
CIP	Cast In Place
CIR	Circle
CL	Centerline
CL	Class
CM/SEC	Centimeters per Second
CMP	Corrugated Metal Pipe
CO	Cleanout
COMB	Combination
COMP	Compaction
CONC	Concrete
CONST	Construction
CPE	Corrugated Polyethylene
CSBC	Crushed Surface Base Course
CT	Court
CY	Cubic Yard

D

Δ	Delta
D	Depth
DB	Drain Basin
DBL	Double
DCVA	Double Check Valve Assembly
DEMO	Demolition
DET	Detail
Ø or DIA	Diameter
DI or DIP	Ductile Iron Pipe
DR	Drive
DS	Downspout
D/S	Downstream
DW	Drywell
DWY	Driveway

E

E	East
EG	Extg Ground
EL	Elevation
ELEC	Electric
ELSP	East Lake Sammamish Parkway NE
ELSSL	East Lake Sammamish Shore Lane NE
ELST	East Lake Sammamish Trail (King County Regional Trail)
EOP	End Of Project
EP	Edge Of Pavement
ER	End Curb Return
ESMT	Easement
EVC	End Vertical Curve
EXTG	Existing

F

FF	Finished Floor Elevation
FG	Finish Grade
FH	Fire Hydrant
FL	Flow Line
FLG	Flange
FM	Force Main
FPT	Female pipe tapered
FT	Foot/Feet

G

G	Natural Gas
GA	Guage
GND	Ground
GRD	Grade
GV	Gate Valve

H

HDPE	High Density Polyethylene
HMA	Hot Mix Asphalt
HORIZ	Horizontal
HW	High Water Elevation
HWY	Highway
HYD	Hydrant

I

ID	Inside Diameter
IE	Invert Elevation
IN/HR	Inches per Hour
INTX	Intersection
INV	Invert
IPS	Iron Pipe Size
IRR	Irrigation Water

L

L	Length
LAT	Lateral
LBS	Pounds
LF	Linear Feet
LT	Left
LUM	Luminaire
LWM	Large Woody Material

M

MAX	Maximum
MB	Mail Box
MFR	Manufacturer
MH	Manhole
MIL	Millimeter
MIN	Minimum
MISC	Miscellaneous
MJ	Mechanical Joint

N

N	North
NA	Not Applicable
No or #	Number
NE	Northeast
NIC	Not In Contract
NOM	Nominal
NTS	Not to Scale
NW	Northwest

O

OC	On Center
OD	Outside Diameter
OHP	Overhead Power
OHW	Ordinary High Water
OZ	Ounce

P

PAVT	Pavement
PC	Point Of Curvature
PCC	Point Of Compound Curvature
PCC	Portland Cement Concrete
PE	Plain End
PERC	Percolation
PERF	Perforated
PH	Phase
PI	Point Of Intersection
PKWY	Parkway
PL	Place
PL	Property Line
POC	Point Of Connection
PP	Power Pole
PRC	Point Of Reverse Curve
PRELIM	Preliminary
PREP	Preparation
PRVC	Point Of Reverse Vert Curve
PSI	Pound per Square Inch
PT	Point
PT	Point Of Tangency
PVC	Polyvinylchloride
PVI	Point Of Vertical Intx
PWS	Public Works

R

R	Radius
RAD	Radius
RD	Road
REINF	Reinforced
REQD	Required
REV	Revision
ROW	Right Of Way
RR	Railroad
RT	Right
RW	Rootwad

S

S	South
S=	Slope Equals
SCHED	Schedule
SD	Storm Drain
SDMH	Storm Drain Manhole
SE	Southeast
SECT	Section
SF	Square Feet
SHLDR	Shoulder
SHT	Sheet
SLV	Sleeve
SPEC	Specification
SPW	Sammamish Plateau Water
SQ	Square
SS	Sanitary Sewer
S/S	Stainless Steel
SSMH	Sanitary Sewer Manhole
ST	Steel
ST	Street
ST W	Storm Water
STA	Station
STD	Standard
SVC	Service
SW or S/W	Sidewalk
SW	Southwest
SYM	Symbol

T

T	Tangent
T&G	Tongue and groove
TA	Top of Asphalt
TB	Thrust Block
TBC	Top Back of Curb
TBM	Temp Benchmark
TC	Top Of Curb
TCE	Temporary Construction Easement
TEL	Telephone
TEMP	Temporary
TESC	Temporary Erosion and Sediment Control
TFC	Top Face of Curb
TOP	Top Of Manhole Rim Elevation
TOPO	Topography
TP	Test Pit
TSW	Top of Sidewalk
TV	Cable Television
TW	Top Of Wall
TYP	Typical

U

UGP	Underground Power
UTIL	Utility

V

VC	Vertical Curve
VERT	Vertical

W

W	West
W/	With
W/O	Without
WL	Water Line
WM	Water Meter

Y

YD	Yard

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

LEGEND AND ABBREVIATIONS FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

SASHRIAL — STATE OF WASHINGTON — 56631 — REGISTERED PROFESSIONAL ENGINEER — 02/16/2026

DESIGNED: SR
CHECKED: CMK
NOVEMBER 2025
45015-004

SHEET ID
C-003
SHEET 3 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CADWorking\Sheets\C-003_LEGEND.dwg Layout Tab: LEGEND AND ABBREVIATIONS User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:27:55 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

GENERAL NOTES:

1. ALL DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH PERMIT CONDITIONS, THE SAMMAMISH MUNICIPAL CODE (SMC), THE SAMMAMISH PUBLIC WORKS STANDARDS (PWS), OTHER STANDARDS AS IDENTIFIED IN THE PROJECT SPECIFICATIONS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE APPLICANT/CONTRACTOR AND THE PROFESSIONAL CIVIL ENGINEER TO CORRECT ANY ERROR, OMISSION, OR DEVIATION FROM THE ABOVE REQUIREMENTS FOUND IN THESE PLANS.

2. THE DESIGN ELEMENTS WITHIN THESE PLANS HAVE BEEN REVIEWED ACCORDING TO THE ADOPTED CITY OF SAMMAMISH PUBLIC WORKS STANDARDS. ANY DEVIATION FROM ADOPTED STANDARDS IS NOT ALLOWED UNLESS SPECIFICALLY APPROVED BY THE CITY IN WRITING PRIOR TO CONSTRUCTION.

3. APPROVAL OF THIS PLAN DOES NOT CONSTITUTE AN APPROVAL OF UTILITIES NOT OWNED BY THE CITY (E.G. DOMESTIC WATER CONVEYANCE, SEWER CONVEYANCE, GAS, ELECTRICAL, ETC.).

4. PRIOR TO ANY CONSTRUCTION ACTIVITY, A PRECONSTRUCTION MEETING SHALL BE HELD BETWEEN THE CITY OF SAMMAMISH, THE APPLICANT(S), AND THE APPLICANT'S CONSTRUCTION REPRESENTATIVE.

5. A COPY OF THESE APPROVED PLANS SHALL BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.

6. CONSTRUCTION HOURS ARE 7:00 AM TO 8:00 PM MONDAY THROUGH FRIDAY AND 9:00 AM TO 6:00 PM ON SATURDAYS. WORK IS NOT ALLOWED ON SUNDAYS AND SOME HOLIDAYS IN ACCORDANCE WITH SMC 16.05.030. CONSTRUCTION NOISE SHALL BE LIMITED TO THE CONSTRUCTION HOURS AS STATED IN SMC 16.05.030.

7. IT SHALL BE THE APPLICANT'S/CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL NECESSARY PROPERTY RIGHTS AND/OR CONSTRUCTION EASEMENTS BEFORE INITIATING ANY OFF-SITE WORK BEYOND THE EASEMENT LIMITS SHOWN IN THESE CONTRACT DOCUMENTS.

8. VERTICAL DATUM SHALL BE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988) UNLESS OTHERWISE APPROVED BY THE CITY OF SAMMAMISH. HORIZONTAL DATUM SHALL BE IN THE WASHINGTON STATE PLANE COORDINATE SYSTEM, NORTH ZONE, USING NORTH AMERICAN DATUM OF 1983 (NAD 83 (1991)) UNLESS OTHERWISE APPROVED BY THE CITY. SEE SURVEY CONTROL NOTES ON THIS PAGE.

9. DEWATERING (GROUNDWATER) SYSTEM CONSTRUCTION SHALL BE IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATIONS. DEWATERING SYSTEMS SHALL NOT BE CONSTRUCTED UNDERNEATH THE ROADWAY SECTION. DEWATERING SYSTEM AND LOCATION(S) SHALL BE APPROVED BY THE CITY IN ACCORDANCE WITH THE CONTRACT AND WSDOT STANDARDS.

10. CONTRACTOR SHALL OBTAIN ALL PERMITS NECESSARY FOR THE DISPOSAL, CONVEYANCE, AND CONTROL OF WATER GENERATED THROUGH DEWATERING ACTIVITY.

11. ALL UTILITY TRENCHES SHALL BE BACKFILLED AND COMPACTED TO 95% DENSITY MINIMUM, OR AS OTHERWISE DIRECTED BY THE CONTRACT DOCUMENTS.

12. ALL ROADWAY AND UTILITY TRENCH SUBGRADE SHALL BE BACKFILLED AND COMPACTED TO 95% DENSITY (WSDOT STANDARD SPECIFICATIONS SECTION 2-06.3). UNSUITABLE SUBGRADE SHALL BE REMOVED TO THE DEPTH DIRECTED BY THE ENGINEER OF RECORD AND BACKFILLED WITH SUITABLE SUBGRADE MATERIAL.

13. OPEN CUTTING OF ROADWAYS IS NOT ALLOWED UNLESS SPECIFICALLY APPROVED BY THE CITY AND NOTED ON THE APPROVED PLANS. ANY OPEN CUT SHALL BE RESTORED IN ACCORDANCE WITH THE CITY OF SAMMAMISH PWS.

14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACTOR. ANY WORK WITHIN THE TRAVELED RIGHT-OF-WAY THAT MAY INTERRUPT NORMAL TRAFFIC FLOW SHALL REQUIRE AT LEAST ONE FLAGGER FOR EACH DIRECTION OF TRAVEL AFFECTED. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) STANDARDS AND REQUIREMENTS SHALL APPLY. WORK IN RIGHT-OF-WAY IS NOT AUTHORIZED UNTIL A TRAFFIC CONTROL PLAN IS APPROVED BY THE CITY.

15. ANY CHANGES TO THE APPROVED PLANS MUST BE SUBMITTED TO THE CITY IN WRITING. NO CONSTRUCTION ON THESE CHANGES SHALL BE ALLOWED TO BEGIN UNTIL APPROVED BY THE CITY.

16. PER RCW SECTION 19.122, CALL 811 BETWEEN TEN (10) AND TWO (2) BUSINESS DAYS BEFORE BEGINNING EXCAVATION WHERE ANY UNDERGROUND UTILITIES MAY BE LOCATED. FAILURE TO DO SO RESULTS IN BEARING SUBSTANTIAL REPAIR COSTS AND LEGAL LIABILITY. GROUND DISTURBING ACTIVITIES SHALL NOT OCCUR PRIOR TO UTILITIES BEING LOCATED.

17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF EXISTING UTILITY LOCATIONS WHETHER OR NOT THESE UTILITIES ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL EXERCISE ALL CARE TO AVOID DAMAGE TO ANY UTILITY AND ABIDE BY ALL REQUIREMENTS OF RCW 19.122. IF CONFLICTS WITH EXISTING UTILITIES ARISE DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE CITY PUBLIC WORKS CONSTRUCTION INSPECTOR AND ANY CHANGES REQUIRED SHALL BE APPROVED BY THE CITY OF SAMMAMISH PUBLIC WORKS DEPARTMENT PRIOR TO COMMENCEMENT OF RELATED CONSTRUCTION ON THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTINUOUSLY LOCATING AND MARKING UTILITIES THROUGHOUT THE LIFE OF THE PROJECT.

18. ALL DAMAGES INCURRED TO PUBLIC AND/OR PRIVATE PROPERTY BY THE CONTRACTOR DURING THE COURSE OF CONSTRUCTION SHALL BE PROMPTLY REPAIRED TO EQUAL OR BETTER CONDITION PRIOR TO DAMAGE OCCURRING AND TO THE SATISFACTION OF PUBLIC WORKS BEFORE PROJECT APPROVAL AND/OR THE RELEASE OF THE PROJECT'S PERFORMANCE BOND.

19. ALL LANDSCAPED AREAS OF THE PROJECT SHALL INCLUDE A MINIMUM OF 8-INCHES OF COMPOSTED SOIL AMENDMENT ATOP A MINIMUM OF 4-INCHES SCARIFIED SOIL.

20. NO FINAL CUT OR FILL SLOPE SHALL EXCEED SLOPES OF TWO (2) HORIZONTAL TO ONE (1) VERTICAL WITHOUT STABILIZATION BY ROCKERY OR BY A STRUCTURAL RETAINING WALL, UNLESS DESIGNED AND COMPLETED UNDER THE SUPERVISION OF A LICENSED GEOTECHNICAL ENGINEER AND APPROVED BY THE ENGINEER OF RECORD.

21. THESE PLANS ARE APPROVED FOR STANDARD ROAD AND DRAINAGE IMPROVEMENTS ONLY. STRUCTURES SUCH AS BRIDGES, VAULTS, AND RETAINING WALLS REQUIRE ADDITIONAL APPROVED PERMITS FROM THE CITY PRIOR TO CONSTRUCTION.

22. NO MATERIALS OR EQUIPMENT SHALL BE PLACED OR STORED IN AN ACTIVE PUBLIC RIGHT-OF-WAY AT ANY TIME, UNLESS SPECIFICALLY APPROVED BY THE CITY IN WRITING.

23. THE CONTRACTOR SHALL OBTAIN A RIGHT-OF-WAY PERMIT BEFORE (A) PERFORMING ANY CONSTRUCTION WITHIN THE PUBLIC RIGHT-OF-WAY, OR (B) PERFORMING ANY ACTIVITY REQUIRING TRAFFIC CONTROL WITHIN THE PUBLIC RIGHT-OF-WAY.

SURVEY CONTROL NOTES:

1. HORIZONTAL DATUM: THE OVERALL HORIZONTAL DATUM FOR THIS PROJECT VOLUME 1 CITY WORK IS NAD 83/2011, WASHINGTON COORDINATE SYSTEM, NORTH ZONE, BASED ON GPS MEASUREMENTS USING THE WASHINGTON STATE REFERENCE NETWORK. REFER TO VOLUME 2 FOR HORIZONTAL DATUM INFORMATION WITHIN THE COUNTY PORTION OF WORK UNDER SCHEDULE F.

2. VERTICAL DATUM: THE VERTICAL DATUM FOR THIS, VOLUME 1, SURVEY IS NAVD 88, BASED ON GPS MEASUREMENTS USING THE WASHINGTON STATE REFERENCE NETWORK. REFER TO VOLUME 2 FOR VERTICAL DATUM INFORMATION WITHIN THE COUNTY PORTION OF WORK UNDER SCHEDULE F.

3. BENCHMARK LOCATIONS: BENCHMARK #1 = N:226945.55, E:1335939.43; BENCHMARK #2 = N:226712.87, E:1335909.95. REFER TO VOLUME 2 FOR BENCHMARKS WITHIN THE COUNTY PORTION OF WORK UNDER SCHEDULE F.

4. THE CONTOUR INTERVAL OF TWO-FEET WAS INTERPOLATED BY AN AUTOCAD-CALCULATED DIGITAL TERRAIN MODEL (DTM) USING FIELD-SURVEYED GROUND AND FEATURE ELEVATIONS.

   THE EXISTING ELEVATIONS AND CONTOURS SHOWN HEREON ARE ASSUMED TO BE ACCURATE TO THE FOLLOWING:

   HARD-SURFACE SPOT ELEVATIONS = +/- 0.1-FEET.
   GROUND ELEVATIONS = +/- 0.2-FEET.
   CONTOURS = +/- ONE-HALF THE CONTOUR INTERVAL.

5. FIELD SURVEY METHODOLOGY: FIELD MEASUREMENTS FOR THIS SURVEY WERE PERFORMED USING A 5-SECOND OR BETTER ELECTRONIC TOTAL STATION.

6. THE UNDERGROUND UTILITIES SHOWN HEREON HAVE BEEN LOCATED FROM A COMBINATION OF: 1.) THE FIELD SURVEYED LOCATION OF VISIBLE SURFACE UTILITY STRUCTURES SUCH AS MANHOLE LIDS, CATCH BASIN GRATES, GAS AND WATER VALVE LIDS, ETC…, AND 2.) THE FIELD SURVEYED LOCATION OF PAINT OR OTHER MARKS OR MARKERS PLACED BY AN UNDERGROUND UTILITY LOCATOR SERVICE. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED, NOR THAT THEY ARE IN THE EXACT LOCATION SHOWN. THE CONTRACTOR SHALL NOTIFY "ONE CALL" AT 1-800-424-5555 (OR 811) AND ARRANGE FOR FIELD LOCATION OF EXISTING FACILITIES AT LEAST 48 HOURS PRIOR TO START OF CONSTRUCTION. UTILITY INVERT ELEVATIONS AND PIPE / FLOW LINE DIAMETERS SHOWN HEREON ARE BASED ON OBSERVATIONS FROM THE TOP OF THE UTILITY STRUCTURE AND ARE APPROXIMATE ONLY. FOR SAFETY REASONS NO PHYSICAL ENTRY INTO THE UTILITY STRUCTURE WAS PERFORMED DURING THE COURSE OF THIS SURVEY.

7. THE PROPERTY AND RIGHT-OF-WAY LINES SHOWN HEREON ARE DERIVED FROM A VARIETY OF SOURCES OF VARIABLE ACCURACY. THEY ARE NOT THE RESULT OF A BOUNDARY OR RIGHT-OF-WAY DETERMINATION BY PLS, INC. AND SHOULD NOT BE RELIED UPON FOR ANY USE OTHER THAN GENERAL REFERENCE.

8. CONTRACTOR SHALL RECONCILE COUNTY AND CITY CONTROL TO A SINGLE PROJECT DATUM (NAD83(2011) / NAVD88) AND SHALL ESTABLISH UNIFIED PROJECT CONTROL PRIOR TO ANY STAKING. BENCHMARKS AND CONTROL POINTS SHALL BE CONSISTENT ACROSS VOLUME 1 SHEET C-004 AND VOLUME 2 SHEET G4.

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

GENERAL PROJECT AND SURVEY NOTES FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

SASHRIAL — STATE OF WASHINGTON — 56631 — REGISTERED PROFESSIONAL ENGINEER — 02/16/2026

DESIGNED: SR
CHECKED: CMK
NOVEMBER 2025
45015-004
SHEET ID
C-004
SHEET 4 OF 108

Filename: L:\Projects\450004\45015\45015-004\Civil\CAD\Working\Sheets\C-004_NOTES.dwg Layout Tab: C-004 GENERAL PROJECT AND SURVEY NOTES User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:28:15 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

EROSION AND SEDIMENT CONTROL PLAN NOTES:

1. APPROVAL OF THIS ESC PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G., SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.).
2. THE IMPLEMENTATION OF THIS ESC PLAN AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/ESC SUPERVISOR UNTIL ALL CONSTRUCTION IS APPROVED.
3. THE CONTRACTOR SHALL INSTALL ALL TREE PROTECTION MEASURES PRIOR TO ANY CLEARING OR CONSTRUCTION ACTIVITY.
4. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED BY SURVEY TAPE OR FENCING, PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, DISTURBANCE BEYOND THE CLEARING LIMITS IS NOT PERMITTED. THE CLEARING LIMITS SHALL BE MAINTAINED BY THE APPLICANT/ESC SUPERVISOR FOR THE DURATION OF CONSTRUCTION.
5. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES, SUCH AS CONSTRUCTED WHEEL WASH SYSTEMS OR WASH PADS, MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN AND TRACK OUT TO ROAD RIGHT-OF-WAY DOES NOT OCCUR FOR THE DURATION OF THE PROJECT.
6. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH ALL CLEARING AND GRADING SO AS TO ENSURE THAT THE TRANSPORT OF SEDIMENT TO SURFACE WATERS, DRAINAGE SYSTEMS, FLOW CONTROL BMP LOCATIONS (EXISTING AND PROPOSED), AND ADJACENT PROPERTIES IS MINIMIZED.
7. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND MODIFIED TO ACCOUNT FOR CHANGING SITE CONDITIONS (E.G., ADDITIONAL COVER MEASURES, ADDITIONAL SUMP PUMPS, RELOCATION OF DITCHES AND SILT FENCES, PERIMETER PROTECTION ETC.) OR AS DIRECTED BY THE CITY OF SAMMAMISH.
8. THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/ESC SUPERVISOR DURING NON-RAINFALL AND RAINFALL PERIODS, AND ADDITIONALLY AT THE END OF EVERY RAINFALL EVENT. THE ESC FACILITIES SHALL BE MAINTAINED TO ENSURE THEIR CONTINUED PROPER FUNCTIONING. IN ADDITION, TEMPORARY SILTATION PONDS AND ALL TEMPORARY SILTATION CONTROLS SHALL BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED, PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL, AND THE POTENTIAL FOR EROSION HAS PASSED. WRITTEN RECORDS SHALL BE KEPT OF WEEKLY REVIEWS OF THE ESC FACILITIES DURING THE WET SEASON (OCT. 1 TO APRIL 30) AND OF MONTHLY REVIEWS DURING THE DRY SEASON (MAY 1 TO SEPT 30).
9. ANY AREAS OF EXPOSED SOILS, INCLUDING ROADWAY EMBANKMENTS, THAT WILL NOT BE DISTURBED FOR TWO CONSECUTIVE DAYS DURING THE WET SEASON OR SEVEN DAYS DURING THE DRY SEASON SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED ESC COVER METHODS (E.G., SEEDING, MULCHING, PLASTIC COVERING, ETC.).
10. ANY AREA NEEDING ESC MEASURES THAT DO NOT REQUIRE IMMEDIATE ATTENTION SHALL BE ADDRESSED WITHIN SEVEN (7) DAYS.
11. THE ESC FACILITIES ON *INACTIVE* SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH (MORE FREQUENTLY AS REQUIRED BY THE PUBLIC WORKS CONSTRUCTION INSPECTOR) OR WITHIN TWENTY-FOUR (24) HOURS FOLLOWING A STORM EVENT.
12. AT NO TIME SHALL MORE THAN ONE (1) FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO THE DOWNSTREAM SYSTEM.
13. ANY PERMANENT RETENTION/DETENTION FACILITY USED AS A TEMPORARY SETTLING BASIN SHALL BE MODIFIED WITH THE NECESSARY EROSION CONTROL MEASURES AND SHALL PROVIDE ADEQUATE STORAGE CAPACITY. IF THE FACILITY IS TO FUNCTION ULTIMATELY AS AN INFILTRATION SYSTEM, THE PERMANENT FACILITY SHALL NOT BE USED AS A TEMPORARY SETTLING BASIN, ELSE THE TEMPORARY FACILITY MUST BE GRADED SO THAT THE BOTTOM AND SIDES ARE AT LEAST THREE FEET ABOVE THE FINAL GRADE OF THE PERMANENT FACILITY. NO UNDERGROUND DETENTION TANK, DETENTION VAULT, OR SYSTEM WHICH BACKS UNDER OR INTO A POND SHALL BE USED AS A TEMPORARY SETTLING BASIN. FLOW CONTROL BMP AREAS (EXISTING OR PROPOSED) SHALL NOT BE USED AS TEMPORARY FACILITIES AND SHALL BE PROTECTED FROM SEDIMENTATION AND INTRUSION.
14. COVER MEASURES SHALL BE APPLIED IN CONFORMANCE WITH APPENDIX D OF THE 2021 KING COUNTY SURFACE WATER DESIGN MANUAL (KCSWDM) ADOPTED BY THE CITY OF SAMMAMISH.
15. PRIOR TO THE BEGINNING OF THE WET SEASON (OCTOBER 1) OF EACH YEAR, ALL DISTURBED AREAS SHALL BE REVIEWED TO IDENTIFY WHICH ONES CAN BE SEEDED IN PREPARATION FOR THE WINTER RAINS. THE IDENTIFIED DISTURBED AREA SHALL BE SEEDED WITHIN ONE WEEK AFTER OCTOBER 1. A SKETCH MAP DEPICTING THE AREAS TO BE SEEDED AND THE AREAS TO REMAIN UNCOVERED SHALL BE SUBMITTED TO THE PUBLIC WORKS CONSTRUCTION INSPECTOR. THE INSPECTOR MAY REQUIRE SEEDING OF ADDITIONAL AREAS IN ORDER TO PROTECT SURFACE WATERS, ADJACENT PROPERTIES, OR DRAINAGE FACILITIES.
16. ALL EROSION/SEDIMENTATION CONTROL PONDS WITH A DEAD STORAGE DEPTH EXCEEDING SIX INCHES (6") MUST HAVE A HIGHLY VISIBLE PERIMETER FENCE WITH A MINIMUM HEIGHT OF THREE FEET (3').
17. ALL LOTS ADJOINING OR HAVING ANY NATIVE GROWTH PROTECTION EASEMENTS (NGPE) OR SENSITIVE AREA TRACT SHALL HAVE A MINIMUM FOUR-FOOT (4') HIGH TEMPORARY CONSTRUCTION FENCE (CYCLONE OR PLASTIC MESH) SEPARATING THE LOT (OR BUILDABLE PORTIONS OF THE LOT) FROM THE AREA RESTRICTED BY THE NGPE. THE TEMPORARY CONSTRUCTION FENCE SHALL BE INSTALLED PRIOR TO ANY GRADING OR CLEARING AND SHALL REMAIN IN PLACE IN GOOD CONDITION UNTIL A DWELLING IS CONSTRUCTED AND OWNERSHIP TRANSFERRED TO THE FIRST OWNER/OCCUPANT.
18. CLEARING LIMITS SHALL BE DELINEATED WITH A CLEARING CONTROL FENCE. THE CLEARING CONTROL FENCE SHALL CONSIST OF A FOUR-FOOT (4') HIGH TEMPORARY CONSTRUCTION FENCE. CLEARING CONTROL FENCES ALONG WETLAND OR STREAM BUFFERS OR UPSLOPE OF SENSITIVE SLOPES SHALL BE ACCOMPANIED BY TWO ROWS OF EROSION CONTROL FENCE. IF DETERMINED APPROPRIATE BY CITY OF SAMMAMISH, A SIX-FOOT (6') HIGH CHAIN LINK FENCE MAY BE REQUIRED.
19. IF SEDIMENT IS TRACKED OFFSITE, PUBLIC ROADS SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY OR MORE FREQUENTLY DURING WET WEATHER TO PREVENT SEDIMENT FROM ENTERING WATERS OF THE STATE. SEDIMENT SHALL BE REMOVED FROM ROADS BY SHOVELING OR PICKUP SWEEPING AND SHALL BE TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA. STREET WASHING WILL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER. STREET WASH WASTEWATER SHALL BE CONTROLLED BY PUMPING BACK ONSITE, OR OTHERWISE BE PREVENTED FROM DISCHARGING INTO DRAINAGE SYSTEMS TRIBUTARY TO SURFACE WATERS.
20. ANY CATCH BASINS COLLECTING RUNOFF FROM THE SITE, WHETHER THEY ARE ON OR OFF THE SITE, SHALL HAVE THEIR GRATES COVERED WITH FILTER FABRIC DURING CONSTRUCTION. CATCH BASINS DIRECTLY DOWNSTREAM OF THE CONSTRUCTION ENTRANCE OR ANY OTHER CATCH BASIN AS DETERMINED BY THE PUBLIC WORKS CONSTRUCTION INSPECTOR SHALL BE PROTECTED WITH A "FILTER FABRIC SOCK" OR EQUIVALENT. AT NO TIME SHALL SEDIMENT MORE THAN ONE-THIRD (1/3) OF THE AVAILABLE STORAGE BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN INSERT. SEE SECTION D.2.1.5.3 OF APPENDIX D OF THE 2021 KCSWDM.
21. THE WASHED GRAVEL BACKFILL ADJACENT TO INSTALLED FILTER FABRIC FENCING SHALL BE REPLACED AND THE FILTER FABRIC CLEANED IF IT IS NONFUNCTIONAL BY EXCESSIVE SILT ACCUMULATION AS DETERMINED BY THE CITY OF SAMMAMISH PUBLIC WORKS CONSTRUCTION INSPECTOR. ALL INTERCEPTOR SWALES SHALL BE CLEANED IF SILT ACCUMULATION EXCEEDS ONE-HALF FOOT (0.5') DEPTH.
22. ROCK FOR EROSION PROTECTION OF ROADWAY DITCHES, WHERE REQUIRED, MUST BE OF SOUND QUARRY ROCK, PLACED TO A DEPTH OF 1' AND MUST MEET WSDOT STANDARD SPECIFICATIONS SECTION 9-13.1(5).
23. FLUSHING CONCRETE BY-PRODUCTS OR TRUCKS NEAR OR INTO THE STORM DRAINAGE SYSTEM SHALL NOT BE ALLOWED. IF EXPOSED AGGREGATE IS FLUSHED INTO THE STORM SYSTEM, IT MAY RESULT IN RE-INSPECTION AND RE-CLEANING THE ENTIRE AFFECTED DOWNSTREAM STORM SYSTEM, OR POSSIBLY RE-LAYING THE STORM LINE.
24. THE MAXIMUM RELEASE RATE FROM THE SITE AT ANY TIME DURING CONSTRUCTION AND DURING THE MAINTENANCE AND DEFECT PERIOD SHALL BE NO MORE THAN ONE-HALF OF THE 2-YEAR PEAK FLOW WHEN THE FLOW CONTROL STRUCTURE IS BYPASSED.
25. DURING THE WET SEASON (OCTOBER 1 - APRIL 30) NOTES:
    - A. THE ALLOWED TIME THAT A DISTURBED AREA MAY REMAIN UNWORKED WITHOUT COVER MEASURES IS REDUCED TO TWO CONSECUTIVE WORKING DAYS, RATHER THAN SEVEN (SECTION D.2.1.2 OF THE 2021 KCSWDM).
    - B. STOCKPILES AND STEEP CUT AND FILL SLOPES ARE TO BE PROTECTED IF UNWORKED FOR MORE THAN 12 HOURS (SECTION D.2.1.2 OF THE 2021 KCSWDM).
    - C. COVER MATERIALS SUFFICIENT TO COVER ALL DISTURBED AREAS SHALL BE STOCKPILED ON SITE (SECTION D.2.1.2 OF THE 2021 KCSWDM).
    - D. ALL AREAS THAT ARE TO BE UNWORKED DURING THE WET SEASON SHALL BE SEEDED WITHIN ONE WEEK OF THE BEGINNING OF THE WET SEASON (SECTION D.2.1.2.6 OF THE 2021 KCSWDM).
    - E. MULCH IS REQUIRED TO PROTECT ALL SEEDED AREAS (SECTION D.2.1.2.2 OF THE 2021 KCSWDM).
    - F. FIFTY LINEAR FEET OF SILT FENCE (AND THE NECESSARY STAKES) PER ACRE OF DISTURBANCE MUST BE STOCKPILED ON SITE (SECTION D.2.1.3.1 OF THE 2021 KCSWDM).
    - G. CONSTRUCTION ROAD AND PARKING LOT STABILIZATION ARE REQUIRED FOR ALL SITES UNLESS THE SITE IS UNDERLAIN BY COARSE-GRAINED SOIL (SECTION D.2.1.4.2 OF THE 2021 KCSWDM).
    - H. SEDIMENT RETENTION IS REQUIRED UNLESS NO OFFSITE DISCHARGE IS ANTICIPATED FOR THE SPECIFIED DESIGN FLOW (SECTION D.2.1.5 OF THE 2021 KCSWDM).
    - I. SURFACE WATER CONTROLS ARE REQUIRED UNLESS NO OFFSITE DISCHARGE IS ANTICIPATED FOR THE SPECIFIED DESIGN FLOW (SECTION D.2.1.6 OF THE 2021 KCSWDM).
    - J. PHASING AND MORE CONSERVATIVE BMPS MUST BE EVALUATED FOR CONSTRUCTION ACTIVITY NEAR SURFACE WATERS (SECTION D.2.4.3 OF THE 2021 KCSWDM).
    - K. ANY RUNOFF GENERATED BY DEWATERING MAY BE REQUIRED TO DISCHARGE TO THE SANITARY SEWER (WITH APPROPRIATE DISCHARGE AUTHORIZATION), PORTABLE SAND FILTER SYSTEMS, OR HOLDING TANKS (SECTION D.2.2 OF THE 2021 KCSWDM).
    - L. WHEN LOCATED WITHIN AN EROSION HAZARD OVERLAY, THE FOLLOWING WET SEASON REQUIREMENTS MUST BE INCLUDED IN THE DESIGN:
    - I. CONSTRUCTION OUTSIDE OF THIS SEASONAL DEVELOPMENT LIMITATION MAY BE AUTHORIZED IF THE DIRECTOR OF COMMUNITY DEVELOPMENT DETERMINES THAT THE HAZARD AREA WILL NOT BE ADVERSELY IMPACTED BY THE PROPOSED CONSTRUCTION WORK, OR THE APPLICANT DEMONSTRATES THAT EROSION HAZARDS WILL BE FULLY MITIGATED THROUGH A TEMPORARY EROSION AND SEDIMENT CONTROL MANAGEMENT PLAN THAT INCLUDES:
        - A) THE MINIMUM REQUIREMENTS FROM THE ADOPTED SURFACE WATER DESIGN MANUAL AND SMC 21.03.050, SURFACE WATER MANAGEMENT; AND
        - B) PREPARATION AND IMPLEMENTATION OF SITE GRADING, STABILIZATION, AND RESTORATION PLANS BY A LICENSED ENGINEER, WITH CERTIFICATION BY A GEOTECHNICAL ENGINEER THAT THESE PLANS ARE SUFFICIENT TO PREVENT EROSION AND SEDIMENTATION OF SUSCEPTIBLE SOILS.
    - II. IN ADDITION TO THE REQUIREMENTS OF THIS SECTION, THE DIRECTOR OF COMMUNITY DEVELOPMENT MAY REQUIRE ADDITIONAL STUDIES OF THE SITE HYDROLOGY, SOILS, AND STORMWATER RETENTION, AND MAY ALSO REQUIRE GRADING, STRUCTURAL IMPROVEMENTS, EROSION CONTROL MEASURES, RESTORATION PLANS, AND/OR AN INDEMNIFICATION/RELEASE AGREEMENT.
    - III. CONSTRUCTION ACTIVITY ASSOCIATED WITH SUBDIVISIONS, SHORT SUBDIVISIONS, AND SIMILAR PROJECTS THAT DRAIN TO LAKE SAMMAMISH DURING THE WET SEASON SHALL PROVIDE WATER QUALITY MONITORING REPORTS TO THE CITY.
    - IV. THE DIRECTOR OF COMMUNITY DEVELOPMENT MAY HALT WET SEASON CONSTRUCTION AS NECESSARY TO PROTECT THE HAZARD AREA AND/OR TO PREVENT DOWNSTREAM IMPACTS.
26. A DETAILED CONSTRUCTION SEQUENCE IS REQUIRED TO ENSURE THAT EROSION AND SEDIMENT CONTROL MEASURES ARE APPLIED AT THE APPROPRIATE TIMES. CONTRACTOR TO PROVIDE THE FOLLOWING FOR THIS PROJECT:
    - a. PRE-CONSTRUCTION MEETING.
    - b. POST NOTICE OF CONSTRUCTION ACTIVITY SIGN WITH NAME AND PHONE NUMBER OF CSWPP/ESC SUPERVISOR.
27. SEE SHEETS C-201 TO C-204 FOR PROJECT ESC PLAN.

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

EROSION & SEDIMENT CONTROL PLAN NOTES FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's **below.** **Call** before you dig.

SASHRIAL — STATE OF WASHINGTON — 56631 — REGISTERED PROFESSIONAL ENGINEER
02/16/2026

DESIGNED:	SR
CHECKED:	CMK
NOVEMBER 2025	45015-004
SHEET ID	C-005
SHEET	5 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-004_NOTES.dwg Layout Tab: C-005 EROSION & SEDIMENT CONTROL PLAN NOTES CAD Plot Date/Time: 2/13/2026 4:28:18 PM User: Justin Sullivan

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

DRAINAGE PLAN NOTES:

1. PROOF OF LIABILITY INSURANCE NAMING THE CITY OF SAMMAMISH AS ADDITIONAL INSURED SHALL BE SUBMITTED TO PUBLIC WORKS PRIOR TO THE CONSTRUCTION OF THE DRAINAGE FACILITIES AS A CONDITION OF PERMIT APPROVAL.
2. ALL PIPE AND APPURTENANCES SHALL BE LAID ON A PROPERLY PREPARED FOUNDATION IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATIONS. THIS SHALL INCLUDE LEVELING AND COMPACTING THE TRENCH BOTTOM, THE TOP OF THE FOUNDATION MATERIAL, AND ANY REQUIRED PIPE BEDDING, TO A UNIFORM GRADE SO THAT THE ENTIRE PIPE IS SUPPORTED BY A UNIFORMLY DENSE UNYIELDING BASE.
3. A LICENSED SURVEYOR SHALL SURVEY AND STAKE ALL STORM DRAIN FACILITIES AND CONVEYANCE LINES WITH ASSOCIATED EASEMENTS AND DEDICATIONS NOT LOCATED WITHIN THE PUBLIC RIGHT-OF-WAY. PUBLIC WORKS CONSTRUCTION INSPECTOR SHALL INSPECT AND VERIFY LOCATIONS PRIOR TO FINAL PLAT AND EASEMENT RECORDING.
4. ALL DRAINAGE STRUCTURES, SUCH AS CATCH BASINS AND MANHOLES, NOT LOCATED WITHIN A TRAVELED ROADWAY OR SIDEWALK, SHALL HAVE SOLID LOCKING LIDS. ALL DRAINAGE STRUCTURES ASSOCIATED WITH A PERMANENT RETENTION/DETENTION FACILITY SHALL HAVE SOLID LOCKING LIDS.
5. ALL CATCH BASIN GRATES SHALL CONFORM TO PWS, WHICH INCLUDES THE STORM DRAIN MARKERS “ONLY RAIN DOWN THE DRAIN” AND “PUGET SOUND STARTS HERE, CITY OF SAMMAMISH.” MARKERS AND GLUE CAN BE PURCHASED AT THE CITY OF SAMMAMISH.
6. ALL STORMWATER FACILITIES SHALL BE PROVIDED WITH APPROPRIATE IDENTIFICATION SIGNAGE. SIGNAGE SCHEMATICS ARE AVAILABLE AT HTTPS://WWW.SAMMAMISH.US/MEDIA/QLTDB1WS/STORMWATER-POND-SIGN-DETAIL.PDF.
7. ALL DRIVEWAY CULVERTS LOCATED WITHIN SAMMAMISH RIGHT-OF-WAY SHALL BE OF SUFFICIENT LENGTH TO PROVIDE A MINIMUM 3:1 SLOPE FROM THE EDGE OF THE DRIVEWAY TO THE BOTTOM OF THE DITCH. CULVERTS SHALL HAVE BEVELED END SECTIONS TO MATCH THE SIDE SLOPE.
8. DRAINAGE OUTLETS (STUB-OUTS) SHALL BE PROVIDED FOR EACH INDIVIDUAL LOT, EXCEPT FOR THOSE LOTS APPROVED FOR INFILTRATION. STUB-OUTS SHALL CONFORM TO THE FOLLOWING:
   a. EACH OUTLET SHALL BE SUITABLY LOCATED AT THE LOWEST ELEVATION ON THE LOT, SO AS TO SERVICE ALL FUTURE ROOF DOWNSPOUTS AND FOOTING DRAINS, DRIVEWAYS, YARD DRAINS, AND ANY OTHER SURFACE OR SUBSURFACE DRAINS NECESSARY TO RENDER THE LOTS SUITABLE FOR THEIR INTENDED USE. EACH OUTLET SHALL HAVE FREE-FLOWING, POSITIVE DRAINAGE TO AN APPROVED STORMWATER CONVEYANCE SYSTEM OR TO AN APPROVED OUTFALL LOCATION.
   b. OUTLETS ON EACH LOT SHALL BE LOCATED WITH A FIVE-FOOT-HIGH, 2" X 4" STAKE MARKED "STORM" OR "DRAIN". THE STUB-OUT SHALL EXTEND ABOVE SURFACE LEVEL, BE VISIBLE, AND BE SECURED TO THE STAKE.
   c. PIPE MATERIAL SHALL CONFORM TO UNDERDRAIN SPECIFICATIONS DESCRIBED IN THE PUBLIC WORKS STANDARDS AND, IF NON-METALLIC, THE PIPE SHALL CONTAIN WIRE OR OTHER ACCEPTABLE DETECTION. THE WIRE SHALL BE INSTALLED FROM THE INSIDE OF THE SERVING CATCH BASIN, ALONG THE PIPE ALIGNMENT TO THE TOP OF THE 2" BY 4" STORM STUB POST.
   d. DRAINAGE EASEMENTS ARE REQUIRED FOR DRAINAGE SYSTEMS DESIGNED TO CONVEY FLOWS THROUGH INDIVIDUAL LOTS.
   e. THE APPLICANT/CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE LOCATIONS OF ALL STUB-OUT CONVEYANCE LINES WITH RESPECT TO THE UTILITIES (E.G. POWER, GAS, COMMUNICATIONS, WATER, SEWER, ETC.).
   f. ALL INDIVIDUAL STUB-OUTS SHALL BE PRIVATELY OWNED AND MAINTAINED BY THE LOT HOMEOWNER.
9. ACCEPTABLE STORM PIPE MATERIAL IS AS FOLLOWS:
   a. PLAIN AND REINFORCED CONCRETE PIPE
   b. CORRUGATED OR SPIRAL RIB ALUMINUM PIPE
   c. CORRUGATED STEEL PIPE (ALUMINIZED OR GALVANIZED WITH TREATMENTS 1, 2 OR 5
   d. SPIRAL RIB STEEL PIPE (ALUMINIZED OR GALVANIZED WITH TREATMENTS 1, 2 OR 5)
   e. DUCTILE IRON PIPE (WATER SUPPLY, CLASS 50 OR 52)
   f. POLYPROPYLENE PIPE ONLY IF IN ACCORDANCE WITH THE CITY OF SAMMAMISH SURFACE WATER DESIGN MANUAL ADDENDUM.
   g. HIGH DENSITY POLYETHYLENE PIPE (HDPE, INCLUDING SOLID WALL POLYETHYLENE PIPE).
10. PIPE JOINTS MUST BE THE SAME MATERIALS. WHERE A PIPE MATERIAL IS SPECIFICALLY SHOWN ON THESE APPROVED PLANS, THAT MATERIAL MUST BE USED. REFER TO THE 2021 KING COUNTY SURFACE WATER DESIGN MANUAL SECTION 4.2 AND THE 2021 SAMMAMISH SURFACE WATER DESIGN MANUAL ADDENDUM CHAPTER 4 FOR DETAILS.
11. MINIMUM COVER OVER STORM DRAINAGE PIPES AND FACILITIES SHALL BE TWO FEET (2') UNLESS OTHERWISE SHOWN AND APPROVED. ONE FOOT (1') IS ALLOWED IF DUCTILE IRON PIPE IS USED.
12. WSDOT STANDARD PLANS SECTION B SHALL BE USED TO DETERMINE ACCEPTABLE DESIGN AND CONSTRUCTION STANDARDS FOR DRAINAGE STRUCTURES.
13. CATCH BASINS WITH A DEPTH OF OVER FIVE FEET (5') TO THE PIPE INVERT SHALL BE A TYPE II CATCH BASIN. TYPE II CATCH BASINS EXCEEDING FIVE FEET (5') IN DEPTH SHALL HAVE A STANDARD LADDER INSTALLED. ALL MANHOLE LADDERS SHALL BE FIRMLY ATTACHED AND EXTEND TO WITHIN 16” OF THE BOTTOM OF THE STRUCTURE. LADDERS REQUIRED WITHIN DRAINAGE STRUCTURES SHALL NOT BLOCK INLET OR OUTLET PIPES AND MUST BE ACCESSIBLE FROM STRUCTURE OPENING. REFER TO WSDOT STANDARD PLANS FOR DETAILS AND SPECIFICATIONS.
14. ALL CATCH BASIN INLETS LOCATED OUTSIDE OF SURFACE WATER FLOW LINE SHALL BE TYPE II WITH SOLID ROUND LOCKING COVERS. FOR STRUCTURES LOCATED IN ROADWAYS, LIDS SHALL NOT BE LOCATED WITHIN THE WHEEL PATH.
15. ALL INLET, MANHOLE, AND CATCH BASIN FRAMES AND GRATES SHALL NOT BE ADJUSTED TO GRADE UNTIL IMMEDIATELY PRIOR TO FINAL PAVING, EXCEPT CATCH BASIN INLETS LOCATED IN THE CURB FLOW LINE. ALL CATCH BASIN GRATES SHALL BE SET 0.10' BELOW PAVEMENT LEVEL.
16. ALL CATCH BASIN GRATES SHALL BE VANED GRATES OR SOLID LID COVERS. HERRINGBONE GRATES ARE PROHIBITED. ALL CATCH BASINS LOCATED IN UNPAVED AREAS MUST HAVE AT LEAST A TWO (2) FEET WIDE AND FOUR (4) INCH THICK ASPHALT RING AROUND THE PERIMETER.
17. 12-INCH IS THE MINIMUM NOMINAL SURFACE WATER CONVEYANCE PIPE DIAMETER ALLOWED FOR SYSTEMS THAT ARE TO BE MAINTAINED BY THE CITY.
18. MAXIMUM PIPE RUN BETWEEN STRUCTURES SHALL BE 300 FEET. FOR MAINTENANCE OF STRUCTURES, A TRUCK TURNAROUND SHALL BE PROVIDED. MAXIMUM DISTANCE BETWEEN MAINTENANCE VEHICLE ACCESS AND DRAINAGE STRUCTURE SHALL BE 150 FEET.
19. MINIMUM SLOPE FOR 8-INCH PIPES SHALL BE 0.5%; MINIMUM SLOPE FOR 12-INCH OR LARGER PIPES SHALL BE 0.2%.
20. ONCE BACKFILL IS COMPLETE, THE LINE AND GRADE AT PIPE FLOW LINE LEAVING STANDING WATER GREATER THAN ONE-HALF INCH IN DEPTH SHALL NOT BE ACCEPTED AND MUST BE REPAIRED PRIOR TO ACCEPTANCE BY THE CITY.
21. ROOF AND FOOTING DRAINS SHALL BE CONNECTED TO THE STORM DRAIN SYSTEM SEPARATELY.
22. ALL PUBLIC STORMWATER FACILITIES INCLUDING ALL STORM PONDS, VAULTS, CATCH BASINS, AND CONVEYANCE PIPES SHALL BE DRAINED, JETTED, MOWED, AND CLEANED, AND PROOF SUBMITTED TO THE CITY AT EVERY INSTANCE LISTED BELOW:
   a. PRIOR TO FINAL PLAT;
   b. PRIOR TO ACCEPTANCE INTO MAINTENANCE AND DEFECT PERIOD;
   c. PRIOR TO THE RELEASE OF MAINTENANCE AND DEFECT, WITH PROOF SUBMITTED WITHIN 90 DAYS OF APPLYING TO BE RELEASED FROM MAINTENANCE AND DEFECT; AND
   d. AS OTHERWISE REQUIRED BY THE CITY OF SAMMAMISH.
23. ALL PRIVATE STORMWATER FACILITIES SHALL BE DRAINED, JETTED, AND CLEANED PRIOR TO FINAL OCCUPANCY.
24. ALL FILTER CARTRIDGES SHALL BE INSPECTED EVERY FOUR MONTHS DURING THE MAINTENANCE AND DEFECT PERIOD TO PROVIDE PROPER FUNCTION AND SHALL BE REPLACED PRIOR TO RELEASE OF MAINTENANCE AND DEFECT.
25. PRIOR TO FINAL PAVING ALL STORMWATER PIPE LOCATED IN THE PUBLIC RIGHT-OF-WAY OR IDENTIFIED TO BE MAINTAINED BY THE CITY IN A PUBLIC EASEMENT SHALL BE RECORDED UNDER CLOSED CIRCUIT TELEVISION (CCTV). AN ELECTRONIC COPY SHALL BE SUBMITTED TO THE PUBLIC WORKS DEPARTMENT FOR REVIEW AND APPROVAL.
26. LOW IMPACT DEVELOPMENT (LID) INFILTRATION AND DISPERSION AREAS SHALL BE PROTECTED FROM COMPACTION AND SEDIMENT ACCUMULATION DURING CONSTRUCTION. SCARIFY BOTTOM OF ALL INFILTRATION FACILITIES INCLUDING RAIN GARDENS, BIORETENTION AREAS, POROUS PAVEMENTS, INFILTRATION TRENCHES, DRY WELLS, AND INFILTRATION FACILITIES MINIMUM 12-INCHES PRIOR TO BACKFILL WITH ROCK OR MEDIA. ALL BACKFILL SHALL BE MINIMALLY COMPACTED UP TO 85% DENSITY OR AS SPECIFIED ON PLANS.
27. ALL ROCKERY OR RETAINING WALL DRAINS SHALL BE CONNECTED TO THE STORM DRAIN SYSTEM, OR DAYLIGHTED TO AN ACCEPTABLE DISCHARGE LOCATION AS APPROVED BY THE CITY.
28. PRIOR TO FINAL SITE INSPECTION, ALL REQUIRED DECLARATION OF COVENANTS AND GRANT OF EASEMENTS NEED TO BE RECORDED WITH THE KING COUNTY RECORDER'S OFFICE AND A COPY OF THE RECORDED DOCUMENT PROVIDED TO THE CITY. ALL STORMWATER FACILITY INFORMATION FORMS (FIFS) AND/OR LOW IMPACT DEVELOPMENT (LID) FIFS NEED TO BE SUBMITTED TO THE CITY AND APPROVED.
29. PRIOR TO FINAL PLAT APPROVAL, ALL PUBLIC AND PRIVATE STORMWATER FACILITIES SHALL BE CONSTRUCTED AND IN FULL OPERATION. THESE FACILITIES SHALL INCLUDE THE STORMWATER CONVEYANCE SYSTEM, DETENTION, WATER QUALITY, LOW IMPACT DEVELOPMENT BEST MANAGEMENT PRACTICES (LID BMPS) AND ANY REQUIRED MONITORING FACILITIES. THE CONVEYANCE SYSTEM SHALL INCLUDE ALL DRAINAGE STRUCTURES, PIPING, DITCHING, CURB, GUTTER, AND ROAD PAVING WITH THE EXCEPTION OF THE FINAL LIFT OF ASPHALT. UNLESS USED TO REDUCE THE SIZE OF DETENTION OR WATER QUALITY FACILITIES, LID BMPS SUCH AS BASIC DISPERSION AND INFILTRATION DEVICES LOCATED ON INDIVIDUAL SINGLE FAMILY RESIDENTIAL LOTS MAY BE CONSTRUCTED WITH SFR BUILDING PERMIT AND ARE NOT REQUIRED TO BE CONSTRUCTED PRIOR TO FINAL PLAT. IF SINGLE FAMILY LID BMPS WERE USED TO REDUCE THE SIZE OF DETENTION OR WATER FACILITIES (CREDIT GIVEN), LID BMPS SHALL BE CONSTRUCTED AND IN FULL OPERATION PRIOR TO FINAL PLAT APPROVAL.
30. PRIOR TO FINAL PLAT APPROVAL, A FINAL CORRECTED TECHNICAL INFORMATION REPORT AND FINAL CORRECTED AS-BUILT PLANS MUST BE SUBMITTED TO THE CITY.
31. THE 100-YEAR DESIGN ELEVATION OF DOWNSTREAM STORMWATER FACILITIES SUCH AS STORMWATER PONDS OR VAULTS SHALL BE AT OR BELOW ALL PIPE INVERTS. EXCEPTION TO THIS STANDARD IS THE PIPE FROM THE FIRST CATCH BASIN JUST UPSTREAM OF THE STORMWATER FACILITY MAY BE SUBMERGED TO ALLOW PIPE INLET TO FACILITY TO BE SUBMERGED.
32. IMPROVEMENTS AND/OR BUILDINGS SHALL NOT BE INSTALLED UNTIL DRAINAGE FACILITIES ARE “IN OPERATION”, (SDC 21.03.050.D).

STORMWATER POLLUTION PREVENTION SYSTEM PLAN NOTES:

1. ALL POLLUTANTS, INCLUDING WASTE MATERIALS, THAT OCCUR ONSITE SHALL BE HANDLED AND DISPOSED OF IN A MANNER THAT DOES NOT CAUSE CONTAMINATION OF STORMWATER.
2. COVER, CONTAINMENT, AND PROTECTION FROM VANDALISM SHALL BE PROVIDED FOR ALL CHEMICALS, LIQUID PRODUCTS, PETROLEUM PRODUCTS, AND NON-INERT WASTES PRESENT ON THE SITE (SEE CHAPTER 173-304 WAC FOR THE DEFINITION OF INERT WASTE). ONSITE FUELING TANKS SHALL INCLUDE SECONDARY CONTAINMENT.
3. MAINTENANCE AND REPAIR OF HEAVY EQUIPMENT AND VEHICLES INVOLVING OIL CHANGES, HYDRAULIC SYSTEM DRAIN DOWN, SOLVENT AND DE-GREASING CLEANING OPERATIONS, FUEL TANK DRAIN DOWN AND REMOVAL, AND OTHER ACTIVITIES WHICH MAY RESULT IN DISCHARGE OR SPILLAGE OF POLLUTANTS TO THE GROUND OR INTO STORMWATER RUNOFF MUST BE CONDUCTED USING SPILL PREVENTION MEASURES, SUCH AS DRIP PANS. CONTAMINATED SURFACES SHALL BE CLEANED IMMEDIATELY FOLLOWING ANY DISCHARGE OR SPILL INCIDENT. EMERGENCY REPAIRS MAY BE PERFORMED ONSITE USING TEMPORARY PLASTIC PLACED BENEATH AND, IF RAINING, OVER THE VEHICLE.
4. APPLICATION OF AGRICULTURAL CHEMICALS, INCLUDING FERTILIZERS AND PESTICIDES, SHALL BE CONDUCTED IN A MANNER AND AT APPLICATION RATES THAT WILL NOT RESULT IN LOSS OF CHEMICAL TO STORMWATER RUNOFF. MANUFACTURERS' RECOMMENDATIONS FOR APPLICATION RATES AND PROCEDURES SHALL BE FOLLOWED.
5. MEASURES SHALL BE USED TO PREVENT OR TREAT CONTAMINATION OF STORMWATER RUNOFF BY PH MODIFYING SOURCES. THESE SOURCES INCLUDE, BUT ARE NOT LIMITED TO, BULK CEMENT, CEMENT KILN DUST, FLY ASH, NEW CONCRETE WASHING AND CURING WATERS, WASTE STREAMS GENERATED FROM CONCRETE GRINDING AND SAWING, EXPOSED AGGREGATE PROCESSES, AND CONCRETE PUMPING AND MIXER WASHOUT WATERS. STORMWATER DISCHARGES SHALL NOT CAUSE OR CONTRIBUTE TO A VIOLATION OF THE WATER QUALITY STANDARD FOR PH IN THE RECEIVING WATER.

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX

DRAINAGE AND SWPPS PLAN NOTES FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

SASHRIAL — STATE OF WASHINGTON — 19341 — REGISTERED PROFESSIONAL ENGINEER
02/16/2026

DESIGNED: SR
CHECKED: CMK
NOVEMBER 2025
45015-004

SHEET ID
C-006
SHEET 6 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-004_NOTES.dwg Layout Tab: C-006 DRAINAGE AND SWPPS PLAN NOTES User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:28:20 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

ROADWAY PLAN NOTES:

1. ALL CONCRETE FOR SIDEWALKS AND CURB AND GUTTER MUST BE 4,000-PSI MINIMUM AND FOUR (4) INCHES THICK WHEN NOT VEHICLE ACCESSIBLE AND SIX (6) INCHES THICK WHEN ACCESSIBLE TO VEHICLES OR EIGHT (8) INCHES THICK IN COMMERCIAL DRIVEWAYS.

2. INSTALL AN 18-INCH ROOT BARRIER PLACED BETWEEN TREES AND SIDEWALKS/CURBS/DRIVEWAYS.

3. THE CONCRETE SIDEWALK SHALL BE PLACED AND FINISHED PER WSDOT STANDARD SPECIFICATIONS SECTION 8-14.3(3).

4. ALL CONCRETE SHALL BE FREE OF POSTMARKS, GRAFFITI, FOOTPRINTS, AND TIRE MARKS PRIOR TO ACCEPTANCE.

5. CONCRETE SIDEWALKS SHALL BE CURED FOR AT LEAST 72 HOURS BEFORE IT CAN BE USED. DURING CURING TIME, SIDEWALK MUST BE PROTECTED FROM PEDESTRIAN AND VEHICLE TRAFFIC.

6. IN THE CASE OF NEW ROAD CONSTRUCTION OR RECONSTRUCTION REQUIRING MAILBOXES TO BE MOVED OR REARRANGED, THE APPLICANT/CONTRACTOR SHALL COORDINATE WITH THE U.S. POSTAL SERVICE FOR THE NEW LOCATION OF THE MAILBOX STRUCTURE, AND SHALL NOTIFY THE CITY PUBLIC WORKS CONSTRUCTION INSPECTOR AND MAILBOX USER(S) OF THE CHANGE A MINIMUM OF TWO (2) WEEKS BEFORE IT OCCURS.

7. ANY ROADWAY SIGNAGE OR STRIPING THAT IS DAMAGED, REMOVED, OR TEMPORARILY RELOCATED BY THE CONTRACTOR SHALL BE RESTORED TO MEET THE CURRENT CITY OF SAMMAMISH PUBLIC WORKS STANDARDS.

8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ADEQUATE TEMPORARY TRAFFIC CONTROL TO ENSURE TRAFFIC SAFETY DURING CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE CITY PUBLIC WORKS CONSTRUCTION INSPECTOR AT LEAST 48 HOURS PRIOR TO STARTING ANY WORK IN THE RIGHT-OF-WAY. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) OR AS APPROVED BY THE TRAFFIC ENGINEER.

9. WHERE A SIDEWALK IS TO BE CONSTRUCTED ABOVE A SLOPE OR ADJACENT TO A ROCKERY OR RETAINING WALL WHERE THE LOWEST FINISHED ELEVATION OF THE SLOPE, ROCKERY, OR RETAINING WALL IS TO BE THIRTY INCHES (30") OR MORE BELOW THE FINISHED ELEVATION OF THE SIDEWALK, A SAFETY RAILING SHALL BE REQUIRED WHEN: (A) THE VERTICAL WALL FACE IS LESS THAN FOUR FEET IN HORIZONTAL DISTANCE FROM THE NEAR SIDE FACE OF THE FACILITY; (B) THE VERTICAL WALL FACE IS GREATER THAN FOUR FEET HORIZONTALLY TO THE NEAR SIDE FACE OF THE FACILITY AND THE SLOPE TO THE WALL IS STEEPER THAN 3H:1V; (C) THE SLOPES ADJACENT TO THE FACILITY AVERAGE GREATER THAN 2H:1V. SEE FIGURES FIG05-01 AND FIG05-02 OF THE PUBLIC WORKS STANDARDS.

10. DEAD-END STREETS SHALL BE SIGNED IN ACCORDANCE WITH THE MUTCD. WHERE A ROADWAY CONNECTION IS PLANNED, SIGNAGE SHALL BE PROVIDED TO DESIGNATE A FUTURE ROADWAY EXTENSION.

11. SIDEWALK AND CURB AND GUTTER CANNOT BE POURED MONOLITHICALLY. THERE MUST BE A FULL DEPTH EXPANSION JOINT BETWEEN THEM

.

12. THE DEVELOPER SHALL COORDINATE WITH PUGET SOUND ENERGY FOR THE DESIGN AND INSTALLATION OF STREETLIGHTS ON ALL NEWLY CREATED PUBLIC ROADWAYS AND EXISTING ROADWAYS THAT ARE LOCAL STREETS. DESIGN OF NEW STREETLIGHTS ON ARTERIAL STREETS SHALL BE PROVIDED BY THE APPLICANT AND APPROVED BY THE CITY.

13. THE DEVELOPER SHALL COORDINATE WITH KING COUNTY METRO FOR ANY TEMPORARY AND/OR PERMANENT CONFIGURATIONS OF BUS STOPS AS REQUIRED BY KING COUNTY METRO.

14. WHEN AN EXISTING ROADWAY IS TO RECEIVE A HALF-STREET OVERLAY, THE EXISTING ROADWAY MUST BE COLD PLANED AT THE EDGE OF THE GUTTER AND CENTERLINE. WHEN THE EXISTING ROADWAY IS TO RECEIVE A FULL-STREET OVERLAY, IT MUST BE COLD PLANED FOR THE FULL WIDTH OF THE ROADWAY.

15. ALL NEW CHANNELIZATION AND SIGNAGE SHALL BE PROVIDED AND LAID OUT CONSISTENT WITH THE CITY OF SAMMAMISH PUBLIC WORKS TRAFFIC ENGINEER APPROVAL. CONTACT THE CITY TRAFFIC ENGINEER AT LEAST ONE (1) WEEK PRIOR TO SCHEDULING CHANNELIZATION.

16. ALL NEW SIGNS REQUIRED IN THE PUBLIC RIGHT-OF-WAY MUST BE INSTALLED BY THE APPLICANT/CONTRACTOR PER CITY OF SAMMAMISH PUBLIC WORKS STANDARDS. PROCUREMENT AND INSTALLATION SHALL BE PAID FOR BY THE APPLICANT/CONTRACTOR. TO INITIATE SIGNAGE INSTALLATION, CONTRACTOR SHALL CONTACT THE PUBLIC WORKS INSPECTOR A MINIMUM OF SIX (6) WEEKS PRIOR TO FINAL PLAT/FINAL ACCEPTANCE. TEMPORARY STREET SIGNS MAY BE REQUIRED FOR INTERNAL PLAT ROADS FOR EMERGENCY VEHICLE ACCESS. ANY NO PARKING SIGNS SHALL BE INSTALLED PRIOR TO FINAL PLAT.

17. WHEN INSTALLING NEW SIDEWALK, THE AREA BEHIND THE SIDEWALK MUST BE GRADED SO THAT SURFACE WATER DOES NOT DRAIN OVER THE SIDEWALK.
18. ANY EXISTING PUBLIC IMPROVEMENTS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED OR REPAIRED PRIOR TO THE RELEASE OF MAINTENANCE AND DEFECT.

19. OPEN CUT ROAD CROSSINGS FOR UTILITY TRENCHES ON EXISTING TRAVELED ROADWAY SHALL BE BACKFILLED ONLY WITH 1-1/4" MINUS CRUSHED ROCK AND MECHANICALLY COMPACTED (UNLESS OTHERWISE APPROVED BY THE CITY). FOR STREETS CLASSIFIED AS ARTERIALS, BACKFILL FOR CROSSINGS SHALL BE CONTROLLED DENSITY FILL (CDF). CUTS INTO THE EXISTING ASPHALT SHALL BE NEAT LINE CUT WITH SAW OR JACKHAMMER IN A CONTINUOUS LINE. A TEMPORARY COLD MIX PATCH MUST BE PLACED IMMEDIATELY AFTER BACKFILL AND COMPACTION. A PERMANENT HOT MIX PATCH SHALL BE PLACED WITHIN 30 DAYS AND SHALL BE A MINIMUM OF 1" THICKER THAN THE ORIGINAL ASPHALT WITH A MINIMUM THICKNESS OF 2".

20. ALL TRENCH BACKFILL SHALL BE COMPACTED TO 95 PERCENT DENSITY IN ROADWAYS, ROADWAY SHOULDERS, ROADWAY PRISM AND DRIVEWAYS, AND 90 PERCENT DENSITY IN UNPAVED AREAS. ALL PIPE ZONE COMPACTION SHALL BE 95 PERCENT. DENSITY TEST METHODS SHALL MEET THE REQUIREMENTS SPECIFIED IN THE WSDOT STANDARD SPECIFICATIONS.

21. WHEN CONSTRUCTING NEW CURB AND GUTTER THAT DOES NOT ALIGN WITH THE EXISTING EDGE OF PAVEMENT, THE ROADWAY MUST BE TAPERED AND SHALL MEET THE CURRENT CITY PUBLIC WORKS STANDARDS.

22. WHEN AN EXISTING ROADWAY IS TO BE WIDENED, THE EXISTING PAVEMENT MUST BE SAW CUT AT LEAST ONE FOOT FROM THE EDGE TO PROVIDE A PROPER MATCH BETWEEN NEW AND EXISTING ASPHALT. WHEN THE EXISTING PAVEMENT CONDITION PREVENTS A STRAIGHT CUT, THE SAW CUT MUST BE MADE AT THE NEAREST LANE EDGE. ALL SAW CUTS SHALL BE PARALLEL OR PERPENDICULAR TO THE RIGHT-OF-WAY CENTERLINE.

23. ALL PEDESTRIAN ACCESS AREAS INCLUDING SIDEWALKS AND SIDEWALK RAMPS SHALL BE CONSISTENT WITH CURRENT ADA REQUIREMENTS. IT IS THE RESPONSIBILITY OF THE ENGINEER, CONTRACTOR, AND APPLICANT TO ENSURE ALL PEDESTRIAN ACCESS MEET CURRENT ADA STANDARDS. WHEN THIS CANNOT BE MET, MAXIMUM EXTENT FEASIBLE (MEF) DOCUMENTATION SHALL BE SUBMITTED TO THE CITY PRIOR TO FINAL ACCEPTANCE.

24. PROOF ROLLING SHALL BE REQUIRED OF ALL SIDEWALKS, CURBS, AND ROADWAYS AT THE DISCRETION OF THE CITY PUBLIC WORKS CONSTRUCTION INSPECTOR TO ENSURE ADEQUATE COMPACTION.

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

ROADWAY PLAN NOTES FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

SASHA RIAL — STATE OF WASHINGTON — 56631 — REGISTERED PROFESSIONAL ENGINEER — 02/16/2026

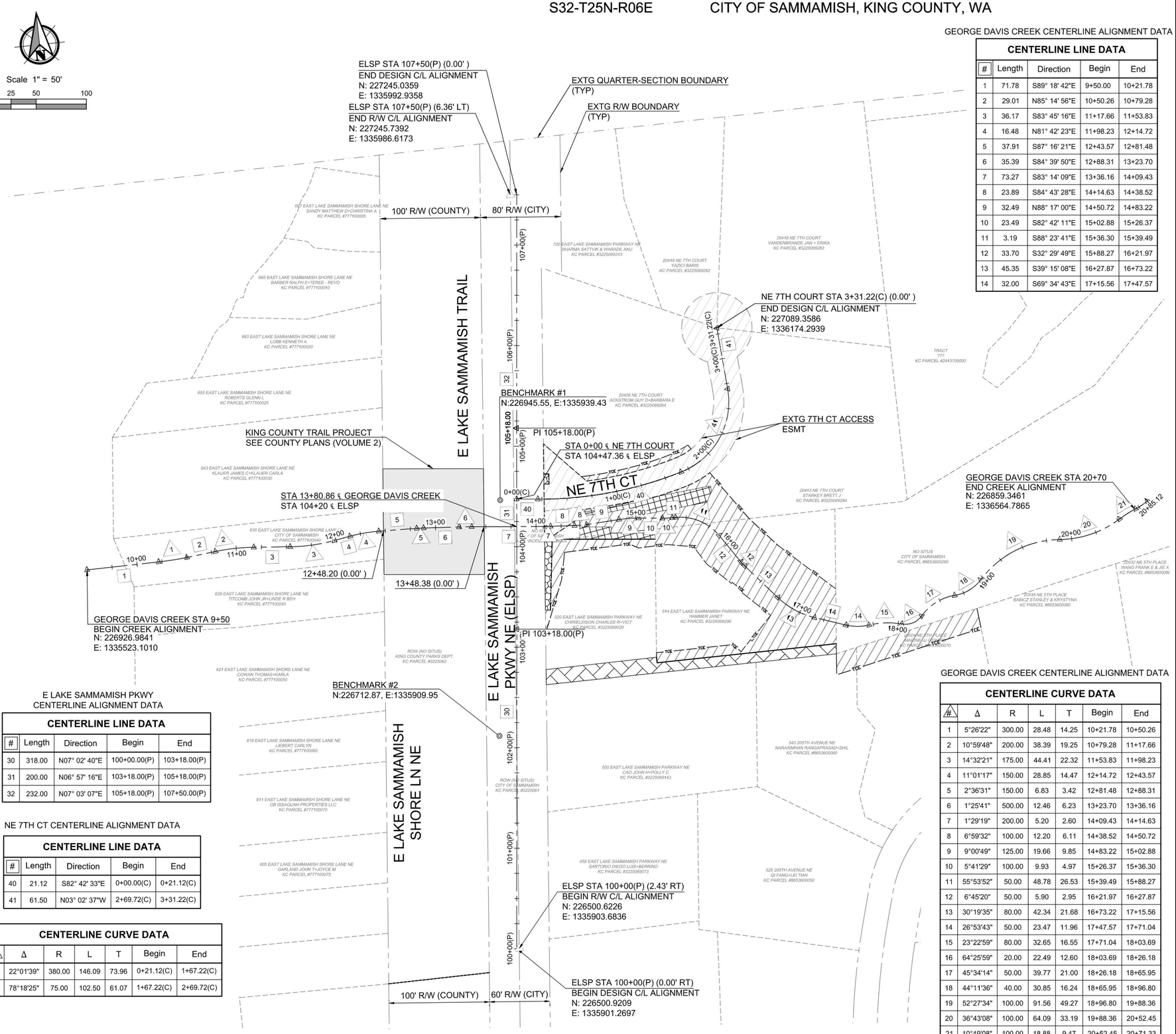
DESIGNED:	SR
CHECKED:	CMK
NOVEMBER 2025	45015-004
SHEET ID	C-007
SHEET	7 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-004_NOTES.dwg Layout Tab: C-007 ROADWAY PLAN NOTES User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:28:25 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA

Scale 1" = 50'
0 25 50 100



GEORGE DAVIS CREEK CENTERLINE ALIGNMENT DATA

CENTERLINE LINE DATA

#	Length	Direction	Begin	End
1	71.78	S89° 18' 42"E	9+50.00	10+21.78
2	29.01	N85° 14' 56"E	10+50.26	10+79.28
3	36.17	S83° 45' 16"E	11+17.66	11+53.83
4	16.48	N81° 42' 23"E	11+98.23	12+14.72
5	37.91	S87° 16' 21"E	12+43.57	12+81.48
6	35.39	S84° 39' 50"E	12+88.31	13+23.70
7	73.27	S83° 14' 09"E	13+36.16	14+09.43
8	23.89	S84° 43' 28"E	14+14.63	14+38.52
9	32.49	N88° 17' 00"E	14+50.72	14+83.22
10	23.49	S82° 42' 11"E	15+02.88	15+26.37
11	3.19	S88° 23' 41"E	15+36.30	15+39.49
12	33.70	S32° 29' 49"E	15+88.27	16+21.97
13	45.35	S39° 15' 08"E	16+27.87	16+73.22
14	32.00	S69° 34' 43"E	17+15.56	17+47.57

E LAKE SAMMAMISH PKWY CENTERLINE ALIGNMENT DATA

CENTERLINE LINE DATA

#	Length	Direction	Begin	End
30	318.00	N07° 02' 40"E	100+00.00(P)	103+18.00(P)
31	200.00	N06° 57' 16"E	103+18.00(P)	105+18.00(P)
32	232.00	N07° 03' 07"E	105+18.00(P)	107+50.00(P)

NE 7TH CT CENTERLINE ALIGNMENT DATA

CENTERLINE LINE DATA

#	Length	Direction	Begin	End
40	21.12	S82° 42' 33"E	0+00.00(C)	0+21.12(C)
41	61.50	N03° 02' 37"W	2+69.72(C)	3+31.22(C)

CENTERLINE CURVE DATA

#	Δ	R	L	T	Begin	End
40	22°01'39"	380.00	146.09	73.96	0+21.12(C)	1+67.22(C)
41	78°18'25"	75.00	102.50	61.07	1+67.22(C)	2+69.72(C)

GEORGE DAVIS CREEK CENTERLINE ALIGNMENT DATA

CENTERLINE CURVE DATA

#	Δ	R	L	T	Begin	End
1	5°26'22"	300.00	28.48	14.25	10+21.78	10+50.26
2	10°59'48"	200.00	38.39	19.25	10+79.28	11+17.66
3	14°32'21"	175.00	44.41	22.32	11+53.83	11+98.23
4	11°01'17"	150.00	28.85	14.47	12+14.72	12+43.57
5	2°36'31"	150.00	6.83	3.42	12+81.48	12+88.31
6	1°25'41"	500.00	12.46	6.23	13+23.70	13+36.16
7	1°29'19"	200.00	5.20	2.60	14+09.43	14+14.63
8	6°59'32"	100.00	12.20	6.11	14+38.52	14+50.72
9	9°00'49"	125.00	19.66	9.85	14+83.22	15+02.88
10	5°41'29"	100.00	9.93	4.97	15+26.37	15+36.30
11	55°53'52"	50.00	48.78	26.53	15+39.49	15+88.27
12	6°45'20"	50.00	5.90	2.95	16+21.97	16+27.87
13	30°19'35"	80.00	42.34	21.68	16+73.22	17+15.56
14	26°53'43"	50.00	23.47	11.96	17+47.57	17+71.04
15	23°22'59"	80.00	32.65	16.55	17+71.04	18+03.69
16	64°25'59"	20.00	22.49	12.60	18+03.69	18+26.18
17	45°34'14"	50.00	39.77	21.00	18+26.18	18+65.95
18	44°11'36"	40.00	30.85	16.24	18+65.95	18+96.80
19	52°27'34"	100.00	91.56	49.27	18+96.80	19+88.36
20	36°43'08"	100.00	64.09	33.19	19+88.36	20+52.45
21	10°49'08"	100.00	18.88	9.47	20+52.45	20+71.33

ROW AND ALIGNMENT NOTES:

1. SEE SURVEY NOTES ON SHEET C-004 FOR BASIS OF LOCATION DATA.
2. EXISTING EASEMENT RECORDED UNDER SHORT PLAT NUMBER 778145 AND CERTIFICATE NUMBER 13731.

EASEMENT LEGEND:

- TEMPORARY CONSTRUCTION EASEMENT (TCE)
- EXISTING EASEMENT (SEE NOTE 2)
- PERMANENT ACCESS EASEMENT (PAE)
- PERMANENT UTILITY EASEMENT (PUE)
- PERMANENT WALL EASEMENT (PWE)

LEGEND:

- EXISTING RIGHT-OF-WAY
- EXISTING PROPERTY LINE
- EXISTING QUARTER-SECTION BOUNDARY LINE
- EXISTING EASEMENT LINE
- TCE — TCE — TCE

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

ROW AND ALIGNMENT PLAN FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

Know what's below. Call before you dig.

SASHA RIAL
STATE OF WASHINGTON
25631
REGISTERED PROFESSIONAL ENGINEER
02/16/2026

DESIGNED: SR
CHECKED: CMK
NOVEMBER 2025
45015-004

SHEET ID
C-101
SHEET 8 OF 108

Filename: L:\Projects\450004\45015\45015-004\Civil\CAD\Working\Sheets\C-101_ROW.dwg Layout Tab: C-101 ROW AND ALIGNMENT PLAN User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:28:49 PM

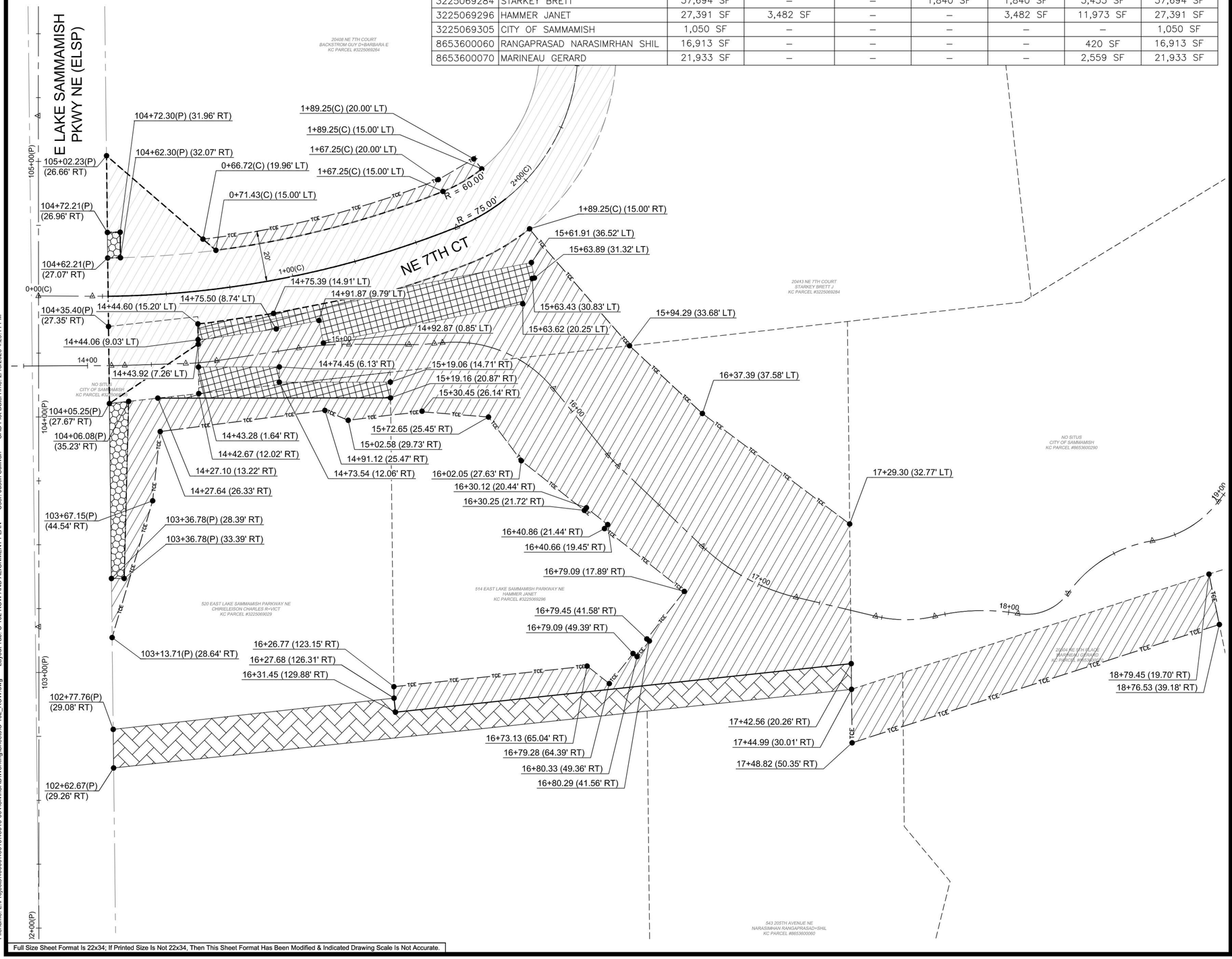
Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA

Scale 1" = 20'

0 10 20 40

OWNERSHIPS								
PARCEL NO.	NAME	TOTAL AREA	ACCESS EASM'T (PERM.)	UTILITY EASM'T (PERM.)	WALL EASM'T (PERM.)	TOTAL EASM'T (PERM.)	EASM'T (TEMP.)	REMAINDER
3225069029	CHIRIELEISON CHARLES	14,029 SF	–	432 SF	388 SF	821 SF	1,575 SF	14,029 SF
3225069264	BACKSTROM GUY AND BARBARA	32,824 SF	–	50 SF	–	50 SF	551 SF	32,824 SF
3225069284	STARKEY BRETT	37,694 SF	–	–	1,840 SF	1,840 SF	3,435 SF	37,694 SF
3225069296	HAMMER JANET	27,391 SF	3,482 SF	–	–	3,482 SF	11,973 SF	27,391 SF
3225069305	CITY OF SAMMAMISH	1,050 SF	–	–	–	–	–	1,050 SF
8653600060	RANGAPRASAD NARASIMRHAN SHIL	16,913 SF	–	–	–	–	420 SF	16,913 SF
8653600070	MARINEAU GERARD	21,933 SF	–	–	–	–	2,559 SF	21,933 SF



ROW AND ALIGNMENT NOTES:

1. SEE SURVEY NOTES ON SHEET C-004 FOR BASIS OF LOCATION DATA.
2. EXISTING EASEMENT RECORDED UNDER SHORT PLAT NUMBER 778145 AND CERTIFICATE NUMBER 13731.

EASEMENT LEGEND:

- TEMPORARY CONSTRUCTION EASEMENT (TCE)
- EXISTING EASEMENT (SEE NOTE 2)
- PERMANENT ACCESS EASEMENT (PAE)
- PERMANENT UTILITY EASEMENT (PUE)
- PERMANENT WALL EASEMENT (PWE)

LEGEND:

- EXISTING RIGHT-OF-WAY
- EXISTING PROPERTY LINE
- EXISTING QUARTER-SECTION BOUNDARY LINE
- EXISTING EASEMENT LINE
- TCE

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

PREPARED FOR:

ROW AND ALIGNMENT PLAN FOR: GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT

SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

WASHINGTON STATE REGISTERED PROFESSIONAL ENGINEER 56631

02/16/2026

DESIGNED:	SR
CHECKED:	CMK
NOVEMBER 2025	45015-004
SHEET ID	C-102
SHEET	9 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CADWorkingSheets\C-102_ROW.dwg Layout Tab: C-102 ROW AND ALIGNMENT PLAN User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:29:11 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA

EROSION CONTROL LEGEND:

COFFER DAM

FISH EXCLUSION INSTALLATION

STABILIZED CONSTRUCTION ENTRANCE PER WSDOT STANDARD PLAN I-80.10

LEGEND:

SILT FENCE

HIGH VISIBILITY FENCE

CLEARING LIMITS — C&G — C&G — C&G

WATTLES

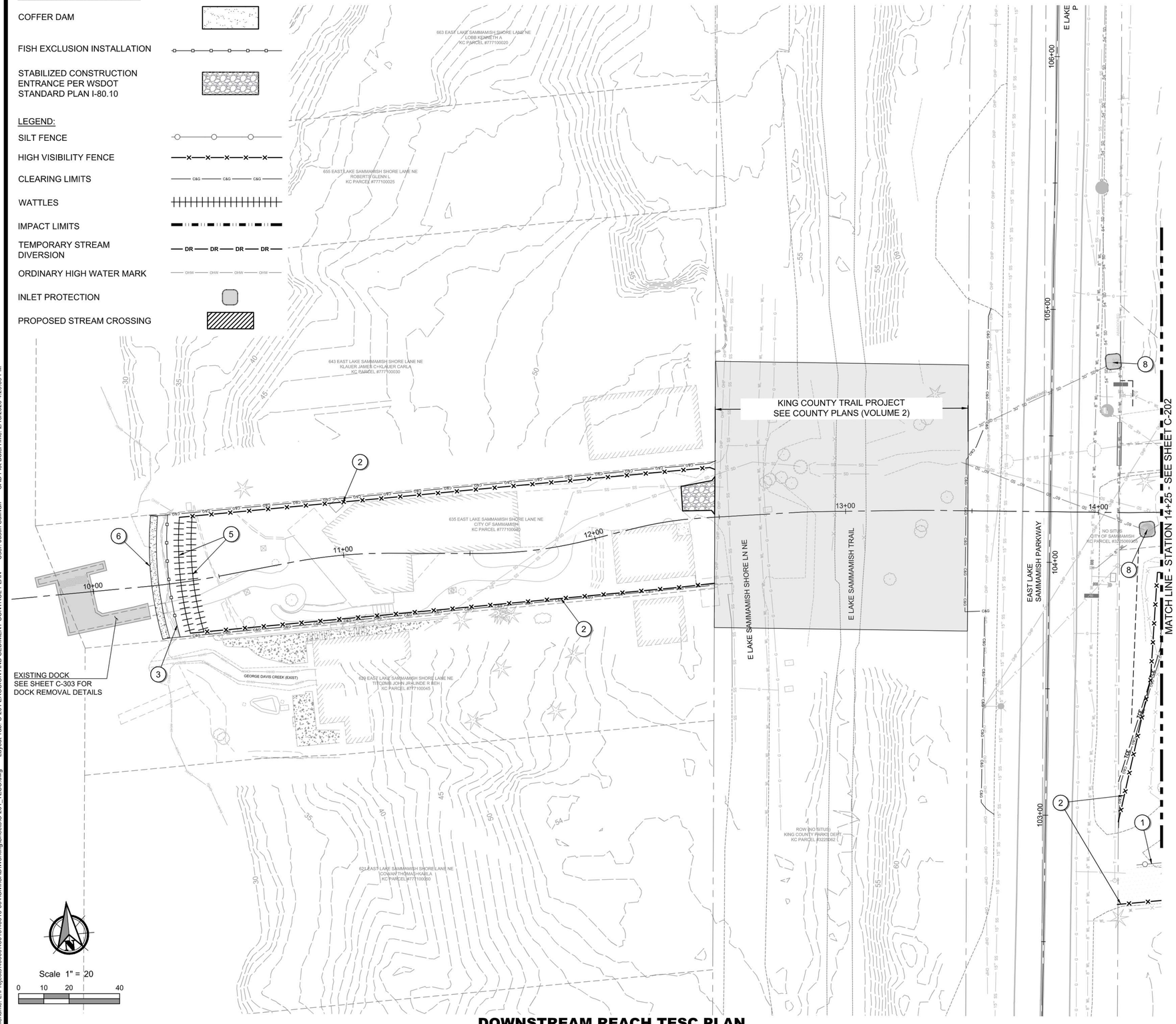
IMPACT LIMITS

TEMPORARY STREAM DIVERSION — DR — DR — DR — DR

ORDINARY HIGH WATER MARK — OHW — OHW — OHW — OHW

INLET PROTECTION

PROPOSED STREAM CROSSING



DOWNSTREAM REACH TESC PLAN

GENERAL NOTES:

1. TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) SHALL COMPLY WITH THE CITY OF SAMMAMISH ENGINEERING PLAN STANDARDS AND 2024 KING COUNTY SURFACE WATER DESIGN MANUAL (KCSWDM) AND WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARDS, UNLESS OTHERWISE NOTED. ALL WORK SHALL BE DONE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL CODES AND REGULATIONS.
2. ANTICIPATED SEQUENCE OF TESC MEASURES:
   a. FLAG OR FENCE CLEARING LIMITS.
   b. INSTALL TREE PROTECTION MEASURES.
   c. INSTALL PERIMETER PROTECTION (SILT FENCE, BRUSH BARRIER, ETC.).
   d. INSTALL CATCH BASIN PROTECTION, IF REQUIRED.
   e. GRADE AND INSTALL CONSTRUCTION ENTRANCE(S).
   f. CONSTRUCT TEMPORARY SEDIMENT PONDS AND TRAPS.
   g. GRADE AND STABILIZE CONSTRUCTION ROADS.
   h. BEGIN DEMOLITION OF EXISTING STRUCTURES AND OTHER SITE FEATURES TO BE REMOVED.
   i. CONSTRUCT SURFACE WATER CONTROLS (INTERCEPTOR DIKES, PIPE SLOPE DRAINS, ETC.) SIMULTANEOUSLY WITH CLEARING AND GRADING FOR PROJECT DEVELOPMENT. CONSTRUCT STORMWATER POLLUTION PREVENTION AND SPILL CONTROL (SWPPS) IN ANTICIPATION OF SCHEDULED CONSTRUCTION ACTIVITY (E.G. CONCRETE-RELATED PH MEASURES FOR UTILITY, VAULT, OR ROADWAY CONSTRUCTION).
   j. MAINTAIN EROSION CONTROL MEASURE IN ACCORDANCE WITH CITY OF SAMMAMISH PUBLIC WORKS STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.
   k. RELOCATE EROSION CONTROL MEASURES OR INSTALL NEW MEASURES SO THAT AS SITE CONDITIONS CHANGE, ENSURING THAT THE EROSION AND SEDIMENT CONTROL IS ALWAYS IN ACCORDANCE WITH THE CITY ESC MINIMUM REQUIREMENTS.
   l. COVER ALL AREAS WITHIN THE SPECIFIED TIME FRAME WITH STRAW, WOOD FIBER MULCH, COMPOST, PLASTIC SHEETING, CRUSHED ROCK OR EQUIVALENT.
   m. STABILIZE ALL AREAS THAT REACH FINAL GRADE WITHIN SEVEN (7) DAYS.
   n. SEED OR SOD ANY AREAS TO REMAIN UN-WORKED FOR MORE THAN THIRTY (30) DAYS.
   o. UPON COMPLETION OF THE PROJECT, ALL DISTURBED AREAS MUST BE STABILIZED AND BEST MANAGEMENT PRACTICES (BMPS) REMOVED IF APPROPRIATE.
3. EROSION CONTROL MEASURES AND BEST MANAGEMENT PRACTICES SHALL BE INSTALLED BEFORE DEMOLITION OR CONSTRUCTION ACTIVITIES BEGIN. SEE SHEETS C-301 TO C-303 FOR SITE PREP PLANS.
4. PRESERVE AND PROTECT ALL IMPROVEMENTS OUTSIDE OF CLEARING LIMITS.
5. CONTRACTOR SHALL COORDINATE WORK PERFORMED BY OTHERS.
6. THE STREAM BYPASS WILL DISCHARGE INTO EXISTING STORM SYSTEM. THE EXISTING OVERFLOW SYSTEM MAY BE UTILIZED BY BLOCKING THE INLET IN LIEU OF A SEPARATE DIVERSION SYSTEM FOR WORK WEST OF THE PARKWAY. THE TEMPORARY STORM STRUCTURE SHALL BE REMOVED AFTER STREAM CONSTRUCTION IS COMPLETE.
7. DAM REMOVAL PLAN AND IMPLEMENTATION, INCLUDING NECESSARY TESC MEASURES AND ACCESS ROUTE TO DAM, TO BE DESIGNED AND FINALIZED BY CONTRACTOR AS DEEMED APPROPRIATE BASED ON THE REMOVAL PLAN. DAM LOCATION IS APPROXIMATE.

EROSION CONTROL NOTES:

1. SILT FENCE, PER WSDOT STANDARD PLAN I-30.15. SEE SHEET C-203 FOR DETAIL.
2. HIGH VISIBILITY FENCE, PER WSDOT STANDARD PLAN I-10.10. SEE SHEET C-203 FOR DETAIL. INSTALL FENCE AT CLEARING AND GRUB LIMITS. FENCE LINE OFFSET FOR PLAN CLARITY.
3. FISH EXCLUSION INSTALLATION AND MAINTENANCE.
4. TEMPORARY STREAM DIVERSION.
5. WATTLES, PER WSDOT STANDARD PLAN I-30.30. SEE SHEET C-204 FOR DETAIL.
6. COFFER DAM. SEE SHEET C-203 FOR DETAILS.
7. INSTALL CONTRACTOR DESIGNED STREAM CROSSING FOR DAM REMOVAL.
8. INLET PROTECTION, PER WSDOT STANDARD PLAN I-40.20. SEE SHEET C-204 FOR DETAIL.

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

EROSION AND SEDIMENT CONTROL PLAN FOR:

GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT

SAMMAMISH, WASHINGTON

Know what's below. Call before you dig.

SASHA RIAL — STATE OF WASHINGTON — 56631 — REGISTERED PROFESSIONAL ENGINEER — 02/16/2026

DESIGNED: SR
CHECKED: CMK
NOVEMBER 2025
45015-004

SHEET ID
C-201
SHEET 10 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-201_TESC.dwg Layout Tab: C-201 EROSION AND SEDIMENT CONTROL PLAN User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:29:39 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA

EROSION CONTROL LEGEND:

COFFER DAM

FISH EXCLUSION INSTALLATION

STABILIZED CONSTRUCTION ENTRANCE PER WSDOT STANDARD PLAN I-80.10

LEGEND:

SILT FENCE

HIGH VISIBILITY FENCE

CLEARING LIMITS

WATTLES

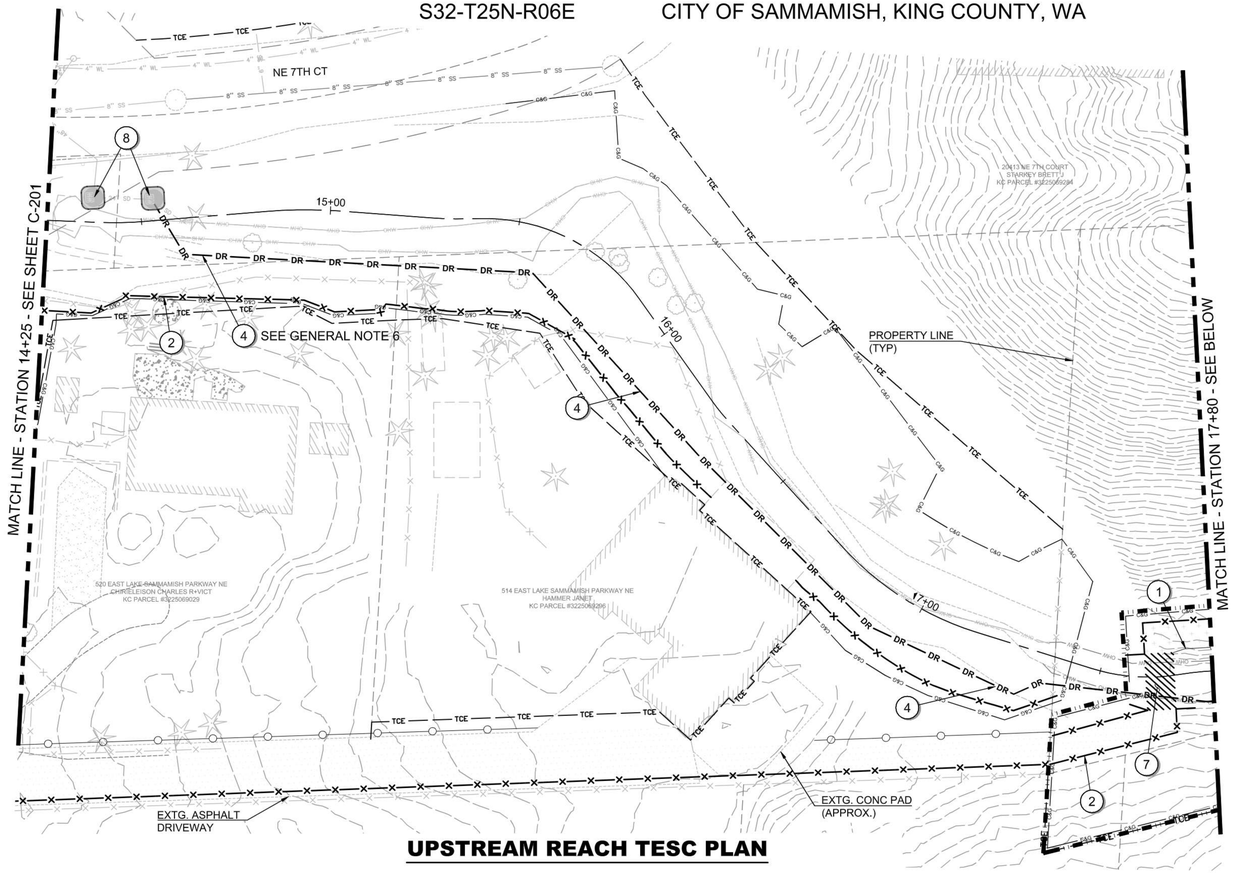
IMPACT LIMITS

TEMPORARY STREAM DIVERSION

ORDINARY HIGH WATER MARK

INLET PROTECTION

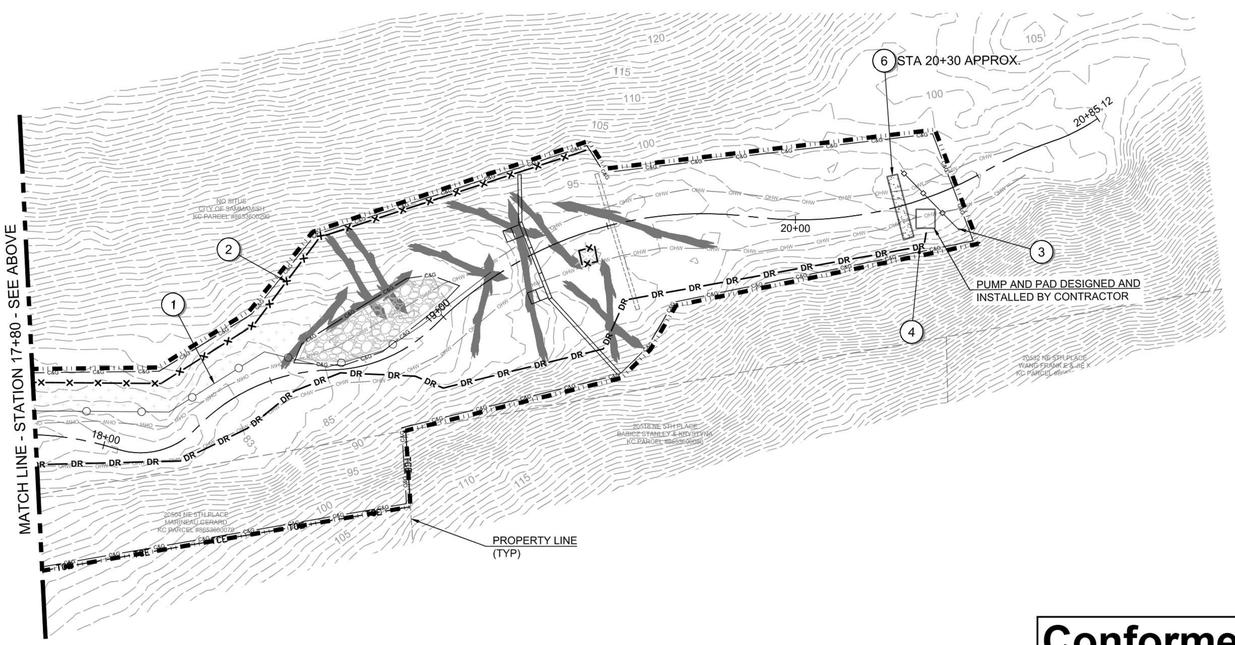
PROPOSED STREAM CROSSING



Scale 1" = 20'

0 10 20 40

UPSTREAM REACH TESC PLAN



Scale 1" = 20'

0 10 20 40

UPSTREAM REACH TESC PLAN

Conformed Set

GENERAL NOTES:

1. TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) SHALL COMPLY WITH THE CITY OF SAMMAMISH ENGINEERING PLAN STANDARDS AND 2024 KING COUNTY SURFACE WATER DESIGN MANUAL (KCSWDM) AND WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARDS, UNLESS OTHERWISE NOTED. ALL WORK SHALL BE DONE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL CODES AND REGULATIONS.
2. ANTICIPATED SEQUENCE OF TESC MEASURES:
   a. FLAG OR FENCE CLEARING LIMITS.
   b. INSTALL TREE PROTECTION MEASURES.
   c. INSTALL PERIMETER PROTECTION (SILT FENCE, BRUSH BARRIER, ETC.).
   d. INSTALL CATCH BASIN PROTECTION, IF REQUIRED.
   e. GRADE AND INSTALL CONSTRUCTION ENTRANCE(S).
   f. CONSTRUCT TEMPORARY SEDIMENT PONDS AND TRAPS.
   g. GRADE AND STABILIZE CONSTRUCTION ROADS.
   h. BEGIN DEMOLITION OF EXISTING STRUCTURES AND OTHER SITE FEATURES TO BE REMOVED.
   i. CONSTRUCT SURFACE WATER CONTROLS (INTERCEPTOR DIKES, PIPE SLOPE DRAINS, ETC.) SIMULTANEOUSLY WITH CLEARING AND GRADING FOR PROJECT DEVELOPMENT. CONSTRUCT STORMWATER POLLUTION PREVENTION AND SPILL CONTROL (SWPPS) IN ANTICIPATION OF SCHEDULED CONSTRUCTION ACTIVITY (E.G. CONCRETE-RELATED PH MEASURES FOR UTILITY, VAULT, OR ROADWAY CONSTRUCTION).
   j. MAINTAIN EROSION CONTROL MEASURE IN ACCORDANCE WITH CITY OF SAMMAMISH PUBLIC WORKS STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.
   k. RELOCATE EROSION CONTROL MEASURES OR INSTALL NEW MEASURES SO THAT AS SITE CONDITIONS CHANGE, ENSURING THAT THE EROSION AND SEDIMENT CONTROL IS ALWAYS IN ACCORDANCE WITH THE CITY ESC MINIMUM REQUIREMENTS.
   l. COVER ALL AREAS WITHIN THE SPECIFIED TIME FRAME WITH STRAW, WOOD FIBER MULCH, COMPOST, PLASTIC SHEETING, CRUSHED ROCK OR EQUIVALENT.
   m. STABILIZE ALL AREAS THAT REACH FINAL GRADE WITHIN SEVEN (7) DAYS.
   n. SEED OR SOD ANY AREAS TO REMAIN UN-WORKED FOR MORE THAN THIRTY (30) DAYS.
   o. UPON COMPLETION OF THE PROJECT, ALL DISTURBED AREAS MUST BE STABILIZED AND BEST MANAGEMENT PRACTICES (BMPS) REMOVED IF APPROPRIATE.
3. EROSION CONTROL MEASURES AND BEST MANAGEMENT PRACTICES SHALL BE INSTALLED BEFORE DEMOLITION OR CONSTRUCTION ACTIVITIES BEGIN. SEE SHEETS C-301 TO C-303 FOR SITE PREP PLANS.
4. PRESERVE AND PROTECT ALL IMPROVEMENTS OUTSIDE OF CLEARING LIMITS.
5. CONTRACTOR SHALL COORDINATE WORK PERFORMED BY OTHERS.
6. THE STREAM BYPASS WILL DISCHARGE INTO EXISTING STORM SYSTEM. THE EXISTING OVERFLOW SYSTEM MAY BE UTILIZED BY BLOCKING THE INLET IN LIEU OF A SEPARATE DIVERSION SYSTEM FOR WORK WEST OF THE PARKWAY. THE TEMPORARY STORM STRUCTURE SHALL BE REMOVED AFTER STREAM CONSTRUCTION IS COMPLETE.
7. DAM REMOVAL PLAN AND IMPLEMENTATION, INCLUDING NECESSARY TESC MEASURES AND ACCESS ROUTE TO DAM, TO BE DESIGNED AND FINALIZED BY CONTRACTOR AS DEEMED APPROPRIATE BASED ON THE REMOVAL PLAN. DAM LOCATION IS APPROXIMATE.

EROSION CONTROL NOTES:

1. SILT FENCE, PER WSDOT STANDARD PLAN I-30.15. SEE SHEET C-203 FOR DETAIL.
2. HIGH VISIBILITY FENCE, PER WSDOT STANDARD PLAN I-10.10. SEE SHEET C-203 FOR DETAIL. INSTALL FENCE AT CLEARING AND GRUB LIMITS. FENCE LINE OFFSET FOR PLAN CLARITY.
3. FISH EXCLUSION INSTALLATION AND MAINTENANCE.
4. TEMPORARY STREAM DIVERSION.
5. WATTLES, PER WSDOT STANDARD PLAN I-30.30. SEE SHEET C-204 FOR DETAIL.
6. COFFER DAM. SEE SHEET C-203 FOR DETAILS.
7. INSTALL CONTRACTOR DESIGNED STREAM CROSSING FOR DAM REMOVAL.
8. INLET PROTECTION, PER WSDOT STANDARD PLAN I-40.20. SEE SHEET C-204 FOR DETAIL.

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

EROSION AND SEDIMENT CONTROL PLAN FOR: GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

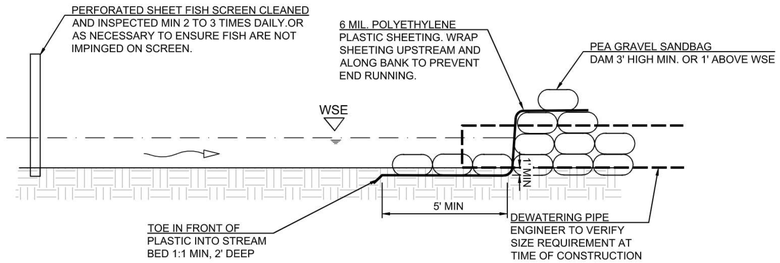
SASHRJAL STATE OF WASHINGTON 56631 REGISTERED PROFESSIONAL ENGINEER 02/16/2026

DESIGNED: SR
CHECKED: CMK
NOVEMBER 2025
45015-004

SHEET ID
C-202
SHEET 11 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-201_TESC.dwg Layout Tab: C-202 EROSION AND SEDIMENT CONTROL PLAN User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:29:47 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.



PROFILE VIEW

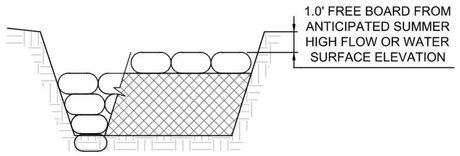
NOTES:

1. SANDBAGS SHALL BE USED IN ACCORDANCE WITH APPLICABLE PERMITS.
2. INSTALL COFFER DAM AND DEWATER SITE PRIOR TO CONSTRUCTION.
3. WATER BLADDERS, SUPER SACKS, OR APPROVED EQUAL CAN BE USED AS ALTERNATIVES TO COFFERDAMS.
4. PROVIDE 1.0' FREEBOARD.

*HEIGHT AND WIDTH OF COFFER DAM SHALL BE DETERMINED BY THE WATER SURFACE ELEVATION AT THE TIME OF CONSTRUCTION.

ESTIMATED VALUES SHOWN BELOW ARE ASSUMED FOR BIDDING PURPOSES:

HEIGHT OF NO MORE THAN 3'
WIDTH OF NO MORE THAN 20'

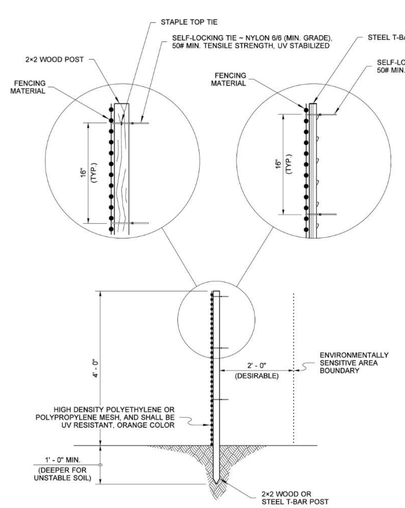


SECTION VIEW

1 **COFFER DAM**

NOT TO SCALE

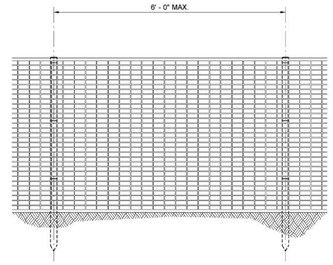
DRAWN BY: BILL BERENS



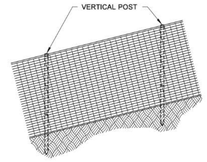
TYPICAL SECTION

NOTE

1. Post shall have sufficient strength and durability to support the fence through the life of the project.

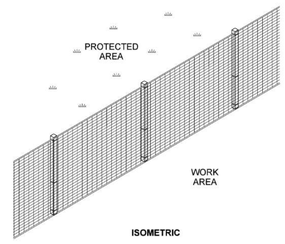


ELEVATION



ELEVATION

FENCE ON SLOPE



ISOMETRIC

STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
MARK W. MAURER
CERTIFICATE NO. 000598

NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE ORIGINAL, SIGNED BY THE ENGINEER AND APPROVED FOR PUBLICATION, IS KEPT ON FILE AT THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION. A COPY MAY BE OBTAINED UPON REQUEST.

HIGH VISIBILITY FENCE

STANDARD PLAN I-10.10-01

SHEET 1 OF 1 SHEET

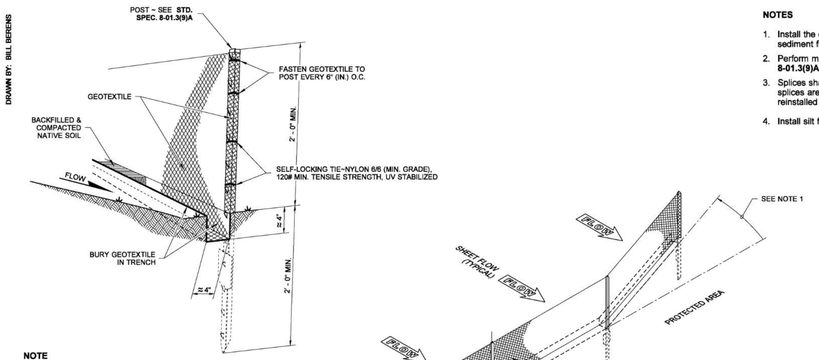
APPROVED FOR PUBLICATION

Pasco Bakotich III 08-11-09

STATE DESIGN ENGINEER — DATE

Washington State Department of Transportation

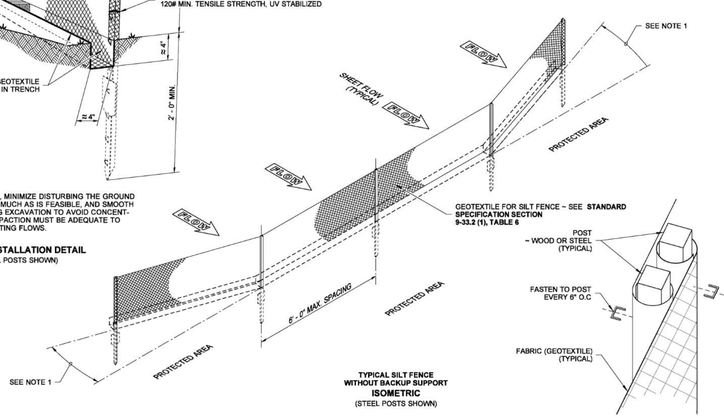
DRAWN BY: BILL BERENS



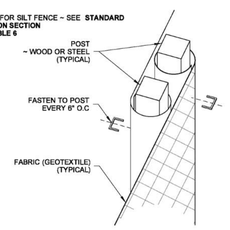
NOTE

DURING EXCAVATION, MINIMIZE DISTURBING THE GROUND AROUND TRENCH AS MUCH AS IS FEASIBLE, AND SMOOTH SURFACE FOLLOWING EXCAVATION TO AVOID CONCENT-RATING FLOWS. COMPACTION MUST BE ADEQUATE TO PREVENT UNDERCUTTING FLOWS.

TYPICAL INSTALLATION DETAIL
(STEEL POSTS SHOWN)



TYPICAL SILT FENCE WITHOUT BACKUP SUPPORT ISOMETRIC
(STEEL POSTS SHOWN)



SPLICED FENCE SECTIONS SHALL BE CLOSE ENOUGH TOGETHER TO PREVENT SILT LADEN WATER FROM ESCAPING THROUGH THE FENCE AT THE OVERLAP.

SPLICE DETAIL
(WOOD POSTS SHOWN)

NOTES

1. Install the ends of the silt fence to point slightly upslope to prevent sediment from flowing around the ends of the fence.
2. Perform maintenance in accordance with **Standard Specifications 8-01.3(9)A and 8-01.3(15)**.
3. Splices shall never be placed in low spots or sump locations. If splices are located in low or sump areas, the fence may need to be reinstalled unless the Project Engineer approves the installation.
4. Install silt fencing parallel to mapped contour lines.

STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
SANDRA L. SALISBURY
CERTIFICATE NO. 002860

NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE ORIGINAL, SIGNED BY THE ENGINEER AND APPROVED FOR PUBLICATION, IS KEPT ON FILE AT THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION. A COPY MAY BE OBTAINED UPON REQUEST.

SILT FENCE

STANDARD PLAN I-30.15-02

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Pasco Bakotich III 3/22/13

STATE DESIGN ENGINEER — DATE

Washington State Department of Transportation

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

EROSION AND SEDIMENT CONTROL DETAILS FOR:

GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT

SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

STATE OF WASHINGTON
SASHRIAL
56631
REGISTERED
PROFESSIONAL ENGINEER
02/16/2026

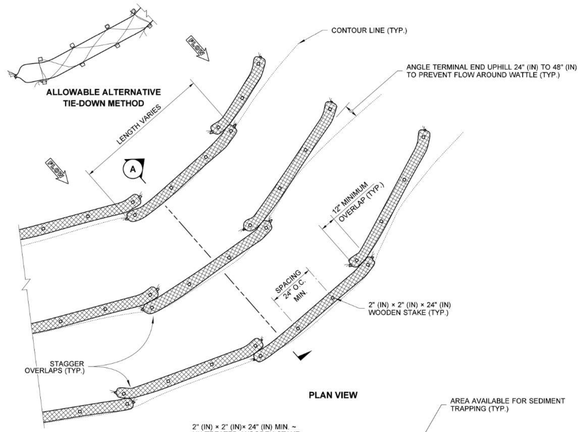
DESIGNED: SR
CHECKED: CMK
NOVEMBER 2025
45015-004

SHEET ID
C-203
SHEET 12 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-201_TESC.dwg Layout Tab: C-203 EROSION AND SEDIMENT CONTROL DETAILS User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:29:49 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

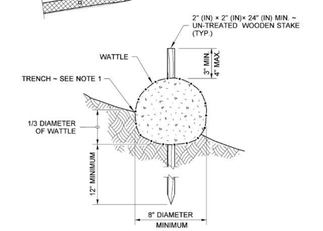
DRAWN BY: FERN LIDDELL



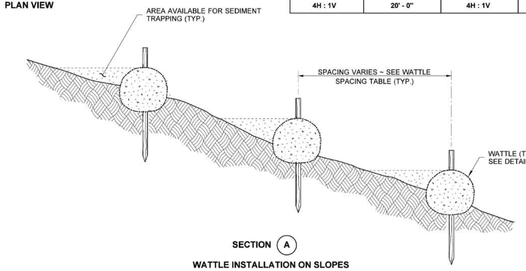
NOTES

1. Wattles shall be in accordance with **Standard Specification, Section 9-14.5(5)**. Install Wattles along contours. Installation shall be in accordance with **Standard Specification, Section 8-01.3(10)**.
2. Securely knot each end of Wattle. Overlap adjacent Wattle ends 12" (in) behind one another and securely tie together.
3. Compact excavated soil and trenches to prevent undercutting. Additional staking may be necessary to prevent undercutting.
4. Install Wattle perpendicular to flow along contours.
5. Wattles shall be inspected regularly, and immediately after a rainfall produces runoff, to ensure they remain thoroughly entrenched and in contact with the soil.
6. Perform maintenance in accordance with **Standard Specification, Section 8-01.3(15).**
7. Refer to **Standard Specification, Section 8-01.3(16)** for removal.

WATTLE SPACING TABLE			
TEMPORARY		PERMANENT	
8" - 10" OR 10" - 12" DIAM.		10" - 12" DIAM.	
SLOPE	MAX. SPACING	SLOPE	MAX. SPACING
1H : 1V	5' - 0"	-	-
2H : 1V	10' - 0"	2H : 1V	5' - 0"
3H : 1V	15' - 0"	3H : 1V	10' - 0"
4H : 1V	20' - 0"	4H : 1V	15' - 0"



WATTLE DETAIL



WATTLE INSTALLATION ON SLOPES

STATE OF WASHINGTON JILLI DEE HARTWIG 14273 EXP. 08/21/2021 LANDSCAPE ARCHITECT

Hartwig, Jilli
Jun 4 2019 8:05 AM

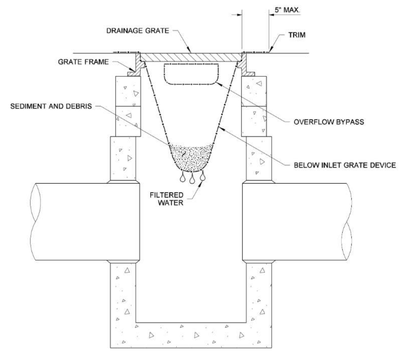
WATTLE INSTALLATION ON SLOPE

STANDARD PLAN I-30.30-02

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
Roark, Steve
Jun 12 2019 7:41 AM
STATE DESIGN ENGINEER
Washington State Department of Transportation

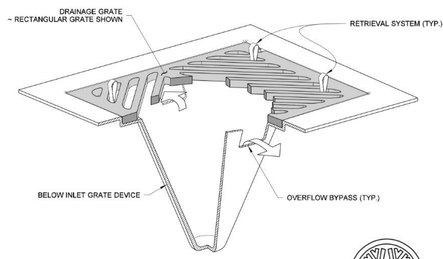
DRAWN BY: LISA OYFORD



SECTION VIEW
NOT TO SCALE

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).



ISOMETRIC VIEW

STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT
MARK W. MAURER
CERTIFICATE NO. 000598

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

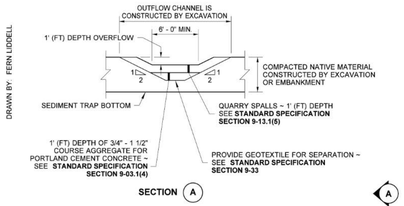
STORM DRAIN INLET PROTECTION

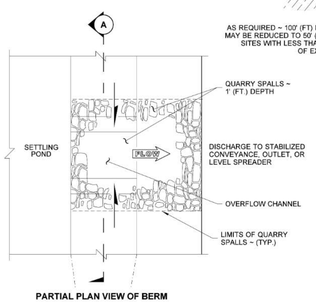
STANDARD PLAN I-40.20-00

SHEET 1 OF 1 SHEET

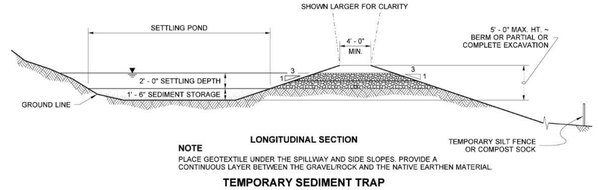
APPROVED FOR PUBLICATION
Pasco Bakotich III *09-20-07*
STATE DESIGN ENGINEER — DATE
Washington State Department of Transportation

DRAWN BY: FERN LIDDELL





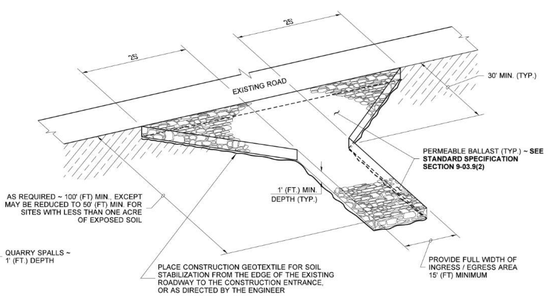
PARTIAL PLAN VIEW OF BERM
SHOWN LARGER FOR CLARITY



LONGITUDINAL SECTION

NOTE
PLACE GEOTEXTILE UNDER THE SPILLWAY AND SIDE SLOPES. PROVIDE A CONTINUOUS LAYER BETWEEN THE GRAVEL/ROCK AND THE NATIVE EARTHEN MATERIAL.

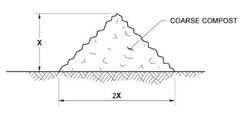
TEMPORARY SEDIMENT TRAP



ISOMETRIC VIEW

STABILIZED CONSTRUCTION ENTRANCE

STABILIZED CONSTRUCTION ENTRANCE SHALL MEET THE REQUIREMENTS OF **STANDARD SPECIFICATION SECTION 8-01.3(7).**



X = 1' - 0" FOR SLOPES 4H:1V OR FLATTER
X = 1' - 6" FOR SLOPES STEEPER THAN 4H:1V

TYPICAL SECTION
COMPOST BERM DETAIL

STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT
JULI DEE HARTWIG
LICENSE NO. 1422
DATE: 06-21-17

MISCELLANEOUS EROSION CONTROL DETAILS

STANDARD PLAN I-80.10-02

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
Carpenter, Jeff
Jul 13 2016 2:28 PM
STATE DESIGN ENGINEER
Washington State Department of Transportation

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

EROSION AND SEDIMENT CONTROL DETAILS FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's **below.** **Call** before you dig.

DESIGNED: SR
CHECKED: CMK
NOVEMBER 2025
45015-004

SHEET ID
C-204
SHEET 13 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-201_TESC.dwg Layout Tab: C-204 EROSION AND SEDIMENT CONTROL DETAILS User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:29:54 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA

Scale 1" = 20
0 10 20 40

PROTECT EXISTING STORM TO UTILIZE AS TEMPORARY STREAM BYPASS. FOLLOWING COMMISSION OF STREAM OR INSTALLATION OF ALTERNATIVE BYPASS ROUTE:

PROTECT EXISTING STORM SYSTEM NORTH OF THE EXISTING MANHOLE AT STA 104+60.

ABANDON PIPE FROM SOUTH OF THE EXISTING MANHOLE AT STA 104+60 TO WALL 5.

THIS STORM LINE CARRIES GEORGE DAVIS CREEK AS SUBSURFACE FLOW.
THIS PIPE SHALL BE PROTECTED DURING INITIAL DEMOLITION AND ONLY REMOVED AFTER UTILIZATION OF BYPASS. ABANDON AND FILL PIPE WITHIN SHOWN SITE PREP LIMITS AND PRIOR TO ITS EXIT OF THIS PARCEL.

KING COUNTY TRAIL PROJECT
SEE COUNTY PLANS (VOLUME 2)

PROPERTY LINE (TYP)

ALL ITEMS WITHIN PARCEL UNLESS NOTED OTHERWISE

PWR JUNCTION BOX

EXISTING DOCK
SEE SHEET C-303 FOR DOCK REMOVAL DETAILS

REMOVE EXISTING POWER JUNCTION BOX; APPROXIMATE LOCATION

MATCH LINE - STATION 14+25 - SEE SHEET C-302

E LAKE SAMMAMISH SHORE LN NE

E LAKE SAMMAMISH TRAIL

E LAKE SAMMAMISH PKWY NE

NE 7TH CT

663 EAST LAKE SAMMAMISH SHORE LANE NE
LORR KENNETH A
KC PARCEL #777100020

655 EAST LAKE SAMMAMISH SHORE LANE NE
ROBERTS GLENN L
KC PARCEL #777100025

643 EAST LAKE SAMMAMISH SHORE LANE NE
KLAUER JAMES C+KLAUER CARLA
KC PARCEL #777100030

635 EAST LAKE SAMMAMISH SHORE LANE NE
CITY OF SAMMAMISH
KC PARCEL #777100040

629 EAST LAKE SAMMAMISH SHORE LANE NE
TITCOMB JOHN JR+LINDE R BEH
KC PARCEL #777100045

621 EAST LAKE SAMMAMISH SHORE LANE NE
COWAN THOMAS+KARLA
KC PARCEL #777100050

ROW (NO SITUS)
KING COUNTY PARKS
KC PARCEL #3225

DOWNSTREAM REACH DEMO PLAN

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

GENERAL NOTES:
1. TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) SHALL BE INSTALLED PRIOR TO DEMOLITION ACTIVITIES. SEE SHEETS C-201 TO C-203.
2. EAST LAKE SAMMAMISH TRAIL AND EAST LAKE SAMMAMISH SHORE LANE CULVERTS ARE BEING REPLACED UNDER THIS CONTRACT AND WITH A SEPARATE PERMIT. SEE COUNTY PLANS (VOLUME 2).
3. PRESERVE AND PROTECT ALL IMPROVEMENTS OUTSIDE OF CLEARING LIMITS.
4. CONTRACTOR SHALL COORDINATE WORK PERFORMED BY OTHERS.
5. CONTRACTOR TO OBTAIN A SIDE SEWER DISCONNECT PERMIT FROM THE SAMMAMISH PLATEAU WATER DISTRICT PRIOR TO DEMOLITION.
6. UNLESS SHOWN AS REMOVE, PROTECT EXISTING TREES AND VEGETATION TO THE MAXIMUM EXTENT FEASIBLE, EXERCISING CARE DURING GRADING AND PROVIDING AN ARBORIST FOR IN-FIELD MONITORING NEAR TREES.

PROTECTION NOTES:
1. PROTECT EXISTING STRUCTURE AND OBSTRUCTION
2. PROTECT EXISTING TREE
3. RELOCATE STRUCTURE OR UTILITY
4. FRANCHISE UTILITY TO BE RELOCATED BY OTHERS

DEMOLITION NOTES:
1. REMOVAL OF STRUCTURES AND OBSTRUCTIONS
2. REMOVE TREE
3. DEMOLITION OF PROPERTY PARCEL #777100040
4. REMOVAL OF DECK
5. REMOVAL OF DAM
6. RECONSTRUCT CB WALL FOLLOWING REMOVAL OF 48 INCH CMP INLET PIPE

LEGEND:
- EXISTING RIGHT-OF-WAY
- EXISTING PROPERTY LINE
- EXISTING EASEMENT LINE
- DEMO OF PROPERTY PARCEL #77710040
- IMPACT LIMITS
- PROPOSED CUT LIMIT
- PROPOSED FILL LIMIT
- PROPOSED STREAM
- STAGING AND STOCKPILE LOCATION

ABBREVIATIONS:
WTR - WATER PIPES, METERS, VALVES AND APPARATUSES
STM - STORM PIPES AND STRUCTURES
SS - SANITARY PIPES AND STRUCTURES
CB - CATCH BASIN
MH - MANHOLE
FH - FIRE HYDRANT
GAS - GAS PIPES, METERS, VALVES (PSE)
GR - GUARDRAIL
PWR - POWER POLES AND JUNCTION BOXES (PSE)
COMM - COMMUNICATION POLES AND CONDUIT (ZIPLY AND COMCAST)
LWM - LARGE WOODY MATERIAL

Conformed Set

No.	Revision	Date	By	App'd
1	TREE REMOVAL UPDATES	3/11/26	JTS	SR

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX

SITE PREP PLAN FOR: GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

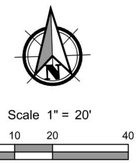
S. A. SHRIAN — STATE OF WASHINGTON — 56631 — REGISTERED PROFESSIONAL ENGINEER — 03/11/2026

DESIGNED: SR
CHECKED: CMK
NOVEMBER 2025
45015-004

SHEET ID
C-301
SHEET 14 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-301_DEMO.dwg Layout Tab: C-301 SITE PREP PLAN User: Justin Sullivan CAD Plot Date/Time: 3/10/2026 2:57:40 PM

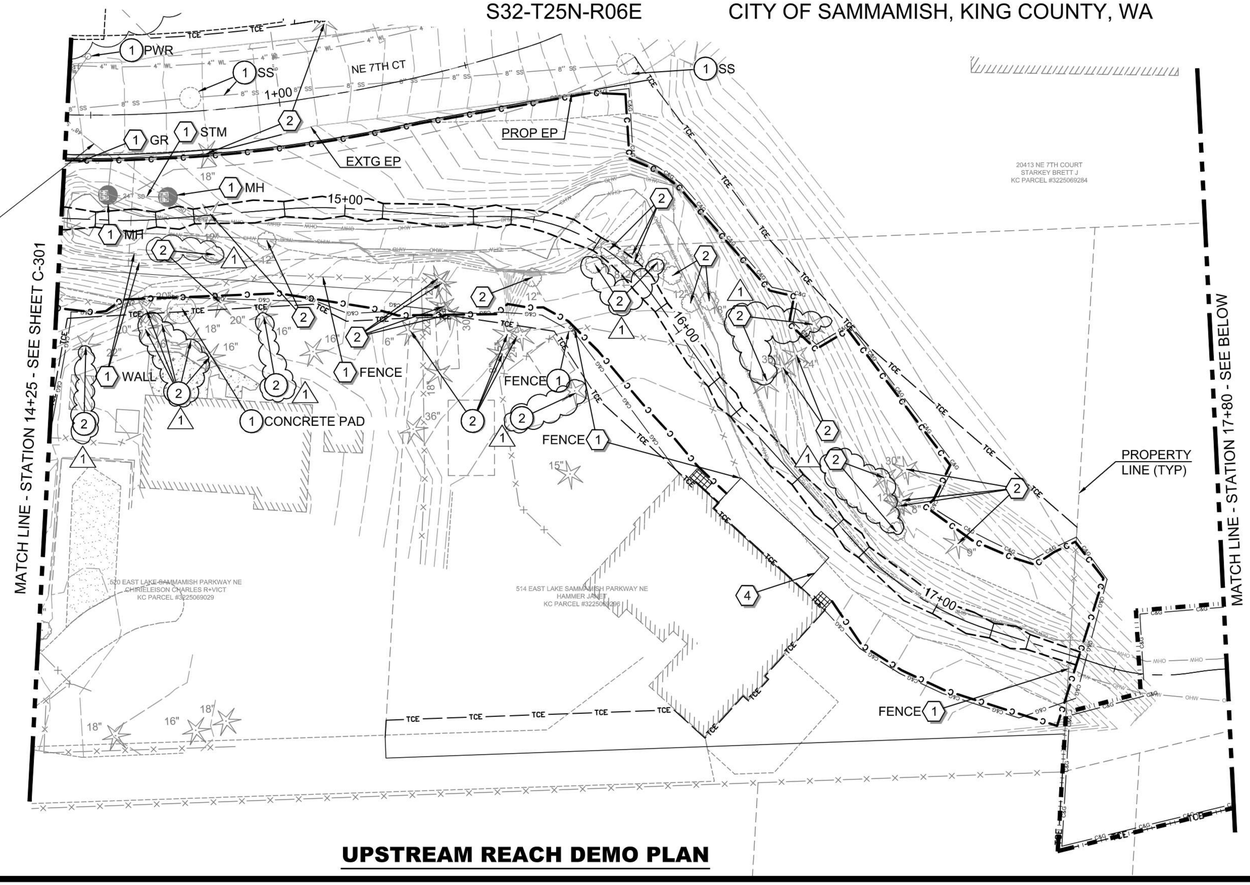
S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA



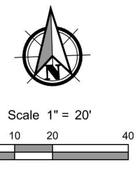
PROTECT EXISTING STORM TO UTILIZE AS TEMPORARY STREAM BYPASS. FOLLOWING COMMISSION OF STREAM OR INSTALLATION OF ALTERNATIVE BYPASS ROUTE:

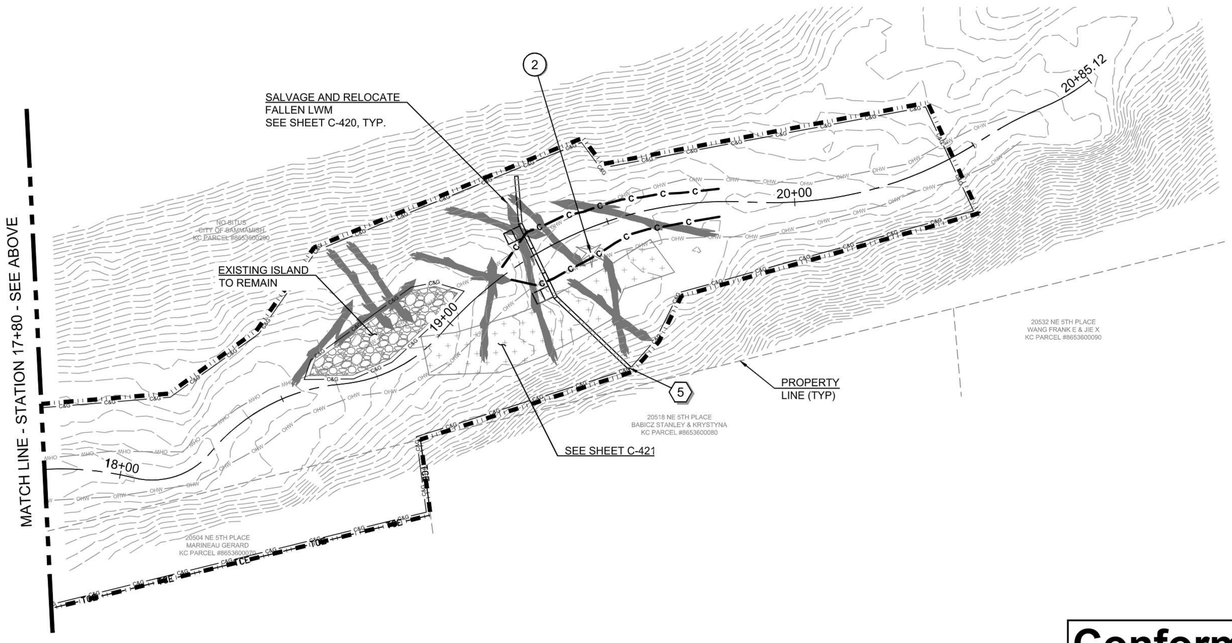
ABANDON PIPE FROM SOUTH OF THE EXISTING MANHOLE AT STA 104+60 TO WALL 5.

REMOVE EXISTING STORM SYSTEM SOUTH OF WALL 5.



UPSTREAM REACH DEMO PLAN





UPSTREAM REACH DEMO PLAN

Conformed Set

GENERAL NOTES:

1. TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) SHALL BE INSTALLED PRIOR TO DEMOLITION ACTIVITIES. SEE SHEETS C-201 TO C-203.
2. EAST LAKE SAMMAMISH TRAIL AND EAST LAKE SAMMAMISH SHORE LANE CULVERTS ARE BEING REPLACED UNDER THIS CONTRACT AND WITH A SEPARATE PERMIT. SEE COUNTY PLANS (VOLUME 2).
3. PRESERVE AND PROTECT ALL IMPROVEMENTS OUTSIDE OF CLEARING LIMITS.
4. CONTRACTOR SHALL COORDINATE WORK PERFORMED BY OTHERS.
5. CONTRACTOR TO OBTAIN A SIDE SEWER DISCONNECT PERMIT FROM THE SAMMAMISH PLATEAU WATER DISTRICT PRIOR TO DEMOLITION.
6. UNLESS SHOWN AS REMOVE, PROTECT EXISTING TREES AND VEGETATION TO THE MAXIMUM EXTENT FEASIBLE, EXERCISING CARE DURING GRADING AND PROVIDING AN ARBORIST FOR IN-FIELD MONITORING NEAR TREES.

PROTECTION NOTES:

1. PROTECT EXISTING STRUCTURE AND OBSTRUCTION
2. PROTECT EXISTING TREE
3. RELOCATE STRUCTURE OR UTILITY
4. FRANCHISE UTILITY TO BE RELOCATED BY OTHERS

DEMOLITION NOTES:

1. REMOVAL OF STRUCTURES AND OBSTRUCTIONS
2. REMOVE TREE
3. DEMOLITION OF PROPERTY PARCEL #777100040
4. REMOVAL OF DECK
5. REMOVAL OF DAM
6. RECONSTRUCT CB WALL FOLLOWING REMOVAL OF 48 INCH CMP INLET PIPE

LEGEND:

- EXISTING RIGHT-OF-WAY
- EXISTING PROPERTY LINE
- EXISTING EASEMENT LINE
- DEMO OF PROPERTY PARCEL #77710040
- IMPACT LIMITS
- PROPOSED CUT LIMIT
- PROPOSED FILL LIMIT
- PROPOSED STREAM
- STAGING AND STOCKPILE LOCATION

ABBREVIATIONS:

WTR - WATER PIPES, METERS, VALVES AND APPARATUSES
STM - STORM PIPES AND STRUCTURES
SS - SANITARY PIPES AND STRUCTURES
CB - CATCH BASIN
MH - MANHOLE
FH - FIRE HYDRANT
GAS - GAS PIPES, METERS, VALVES (PSE)
GR - GUARDRAIL
PWR - POWER POLES AND JUNCTION BOXES (PSE)
COMM - COMMUNICATION POLES AND CONDUIT (ZIPLY AND COMCAST)
LWM - LARGE WOODY MATERIAL

No.	Revision	Date	By	App'd
1	TREE REMOVAL UPDATES	3/11/26	JTS	SR

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

SITE PREP PLAN FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

Know what's below. Call before you dig.

SASHRIAN — STATE OF WASHINGTON — 56631 — REGISTERED PROFESSIONAL ENGINEER — 03/11/2026

DESIGNED:	SR
CHECKED:	CMK
NOVEMBER 2025	45015-004
SHEET ID	C-302
SHEET	15 OF 108

Filename: L:\Projects\450004\45015\45015-004\Civil\CAD\Working\Sheets\C-301_DEMO.dwg Layout Tab: C-302 SITE PREP PLAN User: Justin Sullivan CAD Plot Date/Time: 3/10/2026 3:32:01 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA

Scale 1" = 5'

0 2.5 5 10



SIGMAR PROPERTY DOCK REMOVAL PLAN

GENERAL NOTES:

1. TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) SHALL BE INSTALLED PRIOR TO DEMOLITION ACTIVITIES. SEE SHEETS C-201 TO C-203.
2. EAST LAKE SAMMAMISH TRAIL AND EAST LAKE SAMMAMISH SHORE LANE CULVERTS ARE BEING REPLACED UNDER THIS CONTRACT AND WITH A SEPARATE PERMIT. SEE COUNTY PLANS (VOLUME 2).
3. PRESERVE AND PROTECT ALL IMPROVEMENTS OUTSIDE OF CLEARING LIMITS.
4. CONTRACTOR SHALL COORDINATE WORK PERFORMED BY OTHERS.

DEMOLITION NOTES:

(1) REMOVE DOCK AND BOAT LIFT, INCLUDING DECKING, FRAMING, PILES OR POSTS, HARDWARE, AND ANY ANCHORING SYSTEMS. IF CREOSOTE TREATED PIERS, NOTIFY ENGINEER AND REFER TO SPECIAL PROVISIONS.
* DOCK SIZE IS APPROXIMATE AND BASED ON AERIAL MEASUREMENTS.

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

DOCK REMOVAL PLAN FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.



DESIGNED: SR
CHECKED: CMK
NOVEMBER 2025
45015-004

SHEET ID
C-303
SHEET 16 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-310_DEMO-DOCK.dwg Layout Tab: DOCK REMOVAL PLAN User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:31:36 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

CONSTRUCTION STAGING PLAN AND NOTES:

1. THE CONTRACTOR MAY PROPOSE ALTERNATE CONSTRUCTION STAGING THAN SHOWN IN THESE PLANS. ANY CHANGES TO STAGING WITHIN CITY ROW REQUIRES CITY APPROVAL 72 HOURS PRIOR TO IMPLEMENTATION.

2. SPEED LIMIT TO BE REDUCED TO 25 MILES PER HOUR ON EAST LAKE SAMMAMISH PARKWAY DURING CONSTRUCTION.

3. CONTRACTOR TO COORDINATE ANY NECESSARY UTILITY DISCONNECTION, INSTALLATION, RECONNECTION, AND DURATION OF SERVICE DISRUPTION WITH APPROPRIATE UTILITY PROVIDERS.

4. DETAILED UTILITY IMPACT SCHEDULE TO BE INCLUDED WITH CONSTRUCTION PROGRESS SCHEDULE AS REQUIRED.

5. THE CONTRACTOR SHALL MAINTAIN ACCESS TO AND FROM NE 7TH CT AT ALL TIMES. ONE-LANE, TWO-WAY TRAFFIC FLAGGING OPERATIONS SHALL BE UTILIZED FOR TRAFFIC ENTERING AND EXITING 7TH CT DURING WORKING HOURS WHERE NECESSARY.

6. TWO LANES OF TRAFFIC SHALL BE MAINTAINED AT ALL TIMES ON EAST LAKE SAMMAMISH PARKWAY. ONE-LANE, TWO-WAY FLAGGING OPERATIONS MAY BE UTILIZED, PROVIDED THAT VEHICULAR DELAYS DO NOT EXCEED 10 MINUTES FOR ANY GIVEN DIRECTION OF TRAVEL AND THAT THE ROADWAY IS OPENED TO TWO-LANE, TWO-WAY TRAFFIC AT THE END OF THE WORK DAY. FULL CLOSURES OF EAST LAKE SAMMAMISH PARKWAY ARE ALLOWED TO THE EXTENT AND UNDER THE CONDITIONS DESCRIBED IN THE SPECIAL PROVISIONS.

7. THE CONTRACTOR SHALL MAINTAIN 10' MIN TRAVEL LANES AND 2' SHY DISTANCE DURING CONSTRUCTION.

8. WHERE TEMPORARY TRAFFIC BARRIERS ARE UTILIZED, DESIGN AND IMPLEMENTATION SHALL FOLLOW THE DEFLECTION DISTANCE AND BARRIER FLARE RATES GUIDANCE PROVIDED IN THE WSDOT DESIGN MANUAL, CHAPTER 1610. DESIGN AND IMPLEMENTATION OF TEMPORARY IMPACT ATTENUATORS SHALL FOLLOW WSDOT STANDARDS.

9. SEE TC SHEETS FOR TYPICAL TEMPORARY TRAFFIC CONTROL PLANS. SITE SPECIFIC TRAFFIC CONTROL PLANS SHALL BE PROVIDED BY CONTRACTOR AS REQUIRED.

10. IN-WATER WORK WINDOW FOR PROJECT IS 6/15/2026 TO 10/31/2026. SEE STAGING SHEETS FOR WORK ACTIVITIES RESTRICTED TO THIS WINDOW. (1)

11. PAVEMENT RESTORATION AND OVERLAY OF EAST LAKE SAMMAMISH PARKWAY AND NE 7TH CT TO OCCUR AFTER BRIDGE CONSTRUCTION AND COMPLETION OF ALL UTILITY WORK REQUIRING TRENCHING. GRIND AND OVERLAY OF E LAKE SAMMAMISH SHORE LANE NE TO OCCUR AFTER EQUIPMENT ROUTE IS NO LONGER REQUIRED.

PROPOSED CONSTRUCTION STAGES:

STAGE 1	WORK ON DOWNSTREAM PORTION OF CREEK (WEST OF EAST LAKE SAMMAMISH TRAIL)
STAGE 2	WORK ON STRUCTURES, UTILITIES, AND ROADWAY. COUNTY WORK TO CONSTRUCT STREAM, CULVERTS, AND TRAIL.
STAGE 2.1	DRILL PILES FOR BRIDGE, MISC. UTILITY WORK, AND CONSTRUCT TEMPORARY PAVEMENT REQUIRED FOR FUTURE STAGES
STAGE 2.2	STRUCTURES - CONSTRUCT WESTERN SECTION OF BRIDGE WITH TWO TRAFFIC LANES MAINTAINED ON EAST SIDE. SEE SHEET BR-506
STAGE 2.3	STRUCTURES - CONSTRUCT REMAINING SECTION OF BRIDGE WITH TWO TRAFFIC LANES MAINTAINED ON WEST SIDE. SEE SHEET BR-506 (1)
STAGE 3	WORK ON UPSTREAM PORTION OF CREEK (EAST OF EAST LAKE SAMMAMISH PARKWAY)

1. WORK ACTIVITIES WITHIN STAGE 1 AND STAGE 2 ARE BE INDEPENDENT OF EACH OTHER. THESE STAGES MAY BE CONSTRUCTED CONCURRENTLY OR IN ANY ORDER IN ACCORDANCE WITH THE IN-WATER WORK WINDOW REQUIREMENTS.

2. WORK ON STAGE 3 MAY BEGIN ANYTIME DURING CONSTRUCTION OF STAGES 1 OR 2 IN ACCORDANCE WITH THE IN-WATER WORK WINDOW REQUIREMENTS.

3. STAGES 1 AND 2 MUST BE COMPLETED PRIOR TO THE COMPLETION OF STAGE 3. CREEK CANNOT BE COMMISSIONED AND THE BYPASS CANNOT BE REMOVED UNTIL COMPLETION OF ALL STAGES.

4. AFTER CREEK IS COMMISSIONED AND BYPASS IS REMOVED, INSTALL NEW INLET, STORM PIPE, AND MANHOLE SHOWN ON SHEET C-601.

Conformed Set

No.	Revision	Date	By	App'd
1	DATES AND STAGING NOTES UPDATES	3/11/26	JTS	SR

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

Filename: L:\Projects\45000\45015\45015-004\Civil\CADWorkingSheets\C-350_STAGING.dwg Layout Tab: CONSTRUCTION STAGING NOTES User: Justin Sullivan CAD Plot Date/Time: 3/10/2026 2:57:47 PM

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

CONSTRUCTION STAGING NOTES FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

SASHRIAN
STATE OF WASHINGTON
56631
REGISTERED
PROFESSIONAL ENGINEER
03/11/2026

DESIGNED: SR
CHECKED: CMK
NOVEMBER 2025
45015-004

SHEET ID
C-351

SHEET 17 OF 108



STAGE 1 - CREEK DOWNSTREAM - CONSTRUCTION STAGING NOTES:

1. INSTALL TESC MEASURES.

2. INSTALL TEMPORARY SURFACING REQUIRED ALONG EQUIPMENT ROUTE TO ACCOMMODATE CONSTRUCTION EQUIPMENT AND HAUL TRUCKS.
   - 2.1. FOR CONSTRUCTION OF DOWNSTREAM PORTION OF THE CREEK (WEST OF EAST LAKE SAMMAMISH PARKWAY), CONTRACTOR TO ACCESS EAST LAKE SAMMAMISH SHORE LANE NORTHEAST FROM EAST LAKE SAMMAMISH PARKWAY AS SHOWN.
   - 2.2. INGRESS AND EGRESS ROUTES FOR LARGE EQUIPMENT (DRILL RIG FOR PILE DRIVING): ENTER THROUGH THE SOUTH DRIVEWAY, BACK ALONG THE ACCESS ROAD TO THE WORK AREA, AND EXIT USING THE SAME SOUTH DRIVEWAY.
   - 2.3. INGRESS AND EGRESS ROUTES FOR SMALLER EQUIPMENT (DUMP TRUCKS): ENTER THROUGH THE SOUTH DRIVEWAY AND MAY EXIT THROUGH THE NORTH DRIVEWAY, COMPLETING A LOOP AROUND THE WORK AREA.

3. EXCAVATE AREA FOR WALL CONSTRUCTION. INSTALL SOLDIER PILES, LAGGING, AND FASCIA. STREAM FLOWING SUBSURFACE IN PIPE SHALL BE DIVERTED PRIOR TO DRILLING PILES AT LOCATIONS WHERE THEY CONFLICT WITH CURRENT PIPE. SEE SHEET C-301 FOR THIS PIPE LOCATION.

4. COMPLETE GRADING AND CONSTRUCTION OF STREAM.

5. UNLESS NOTED OTHERWISE, WORK ON DOWNSTREAM PORTION OF THE CREEK IS NOT LIMITED TO THE IN-WATER WORK WINDOW AND MAY OCCUR CONCURRENTLY WITH OTHER STAGES. SEE SHEET C-301 FOR REMOVAL OF STORM LINE WHICH CAN ONLY OCCUR DURING THE IN-WATER WORK WINDOW.

LEGEND

- STAGE WORK AREA
- LARGE EQUIPMENT ROUTE
- SMALL EQUIPMENT ROUTE

Scale 1" = 40'

0 20 40 80

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

CONSTRUCTION STAGE 1 FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's **below.** **Call** before you dig.

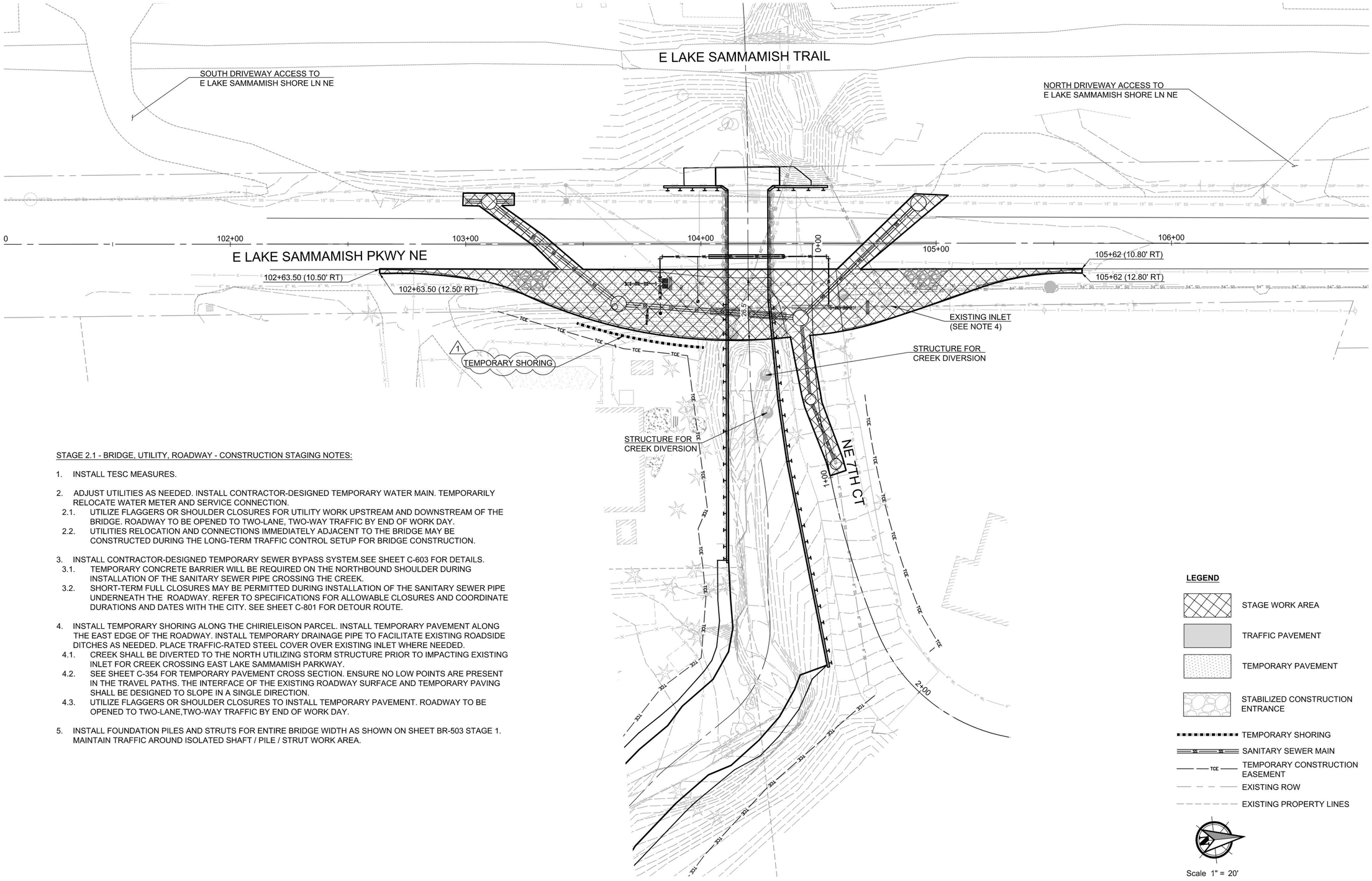
SASHRIAL — STATE OF WASHINGTON — 15683 — REGISTERED PROFESSIONAL ENGINEER — 02/16/2026

DESIGNED: SR
CHECKED: CMK
NOVEMBER 2025
45015-004

SHEET ID
C-352
SHEET 18 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-350_STAGING.dwg Layout Tab: C-352 CONSTRUCTION STAGE 1 User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:32:05 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.



STAGE 2.1 - BRIDGE, UTILITY, ROADWAY - CONSTRUCTION STAGING NOTES:

1. INSTALL TESC MEASURES.

2. ADJUST UTILITIES AS NEEDED. INSTALL CONTRACTOR-DESIGNED TEMPORARY WATER MAIN. TEMPORARILY RELOCATE WATER METER AND SERVICE CONNECTION.
   - 2.1. UTILIZE FLAGGERS OR SHOULDER CLOSURES FOR UTILITY WORK UPSTREAM AND DOWNSTREAM OF THE BRIDGE. ROADWAY TO BE OPENED TO TWO-LANE, TWO-WAY TRAFFIC BY END OF WORK DAY.
   - 2.2. UTILITIES RELOCATION AND CONNECTIONS IMMEDIATELY ADJACENT TO THE BRIDGE MAY BE CONSTRUCTED DURING THE LONG-TERM TRAFFIC CONTROL SETUP FOR BRIDGE CONSTRUCTION.

3. INSTALL CONTRACTOR-DESIGNED TEMPORARY SEWER BYPASS SYSTEM.SEE SHEET C-603 FOR DETAILS.
   - 3.1. TEMPORARY CONCRETE BARRIER WILL BE REQUIRED ON THE NORTHBOUND SHOULDER DURING INSTALLATION OF THE SANITARY SEWER PIPE CROSSING THE CREEK.
   - 3.2. SHORT-TERM FULL CLOSURES MAY BE PERMITTED DURING INSTALLATION OF THE SANITARY SEWER PIPE UNDERNEATH THE ROADWAY. REFER TO SPECIFICATIONS FOR ALLOWABLE CLOSURES AND COORDINATE DURATIONS AND DATES WITH THE CITY. SEE SHEET C-801 FOR DETOUR ROUTE.

4. INSTALL TEMPORARY SHORING ALONG THE CHIRIELEISON PARCEL. INSTALL TEMPORARY PAVEMENT ALONG THE EAST EDGE OF THE ROADWAY. INSTALL TEMPORARY DRAINAGE PIPE TO FACILITATE EXISTING ROADSIDE DITCHES AS NEEDED. PLACE TRAFFIC-RATED STEEL COVER OVER EXISTING INLET WHERE NEEDED.
   - 4.1. CREEK SHALL BE DIVERTED TO THE NORTH UTILIZING STORM STRUCTURE PRIOR TO IMPACTING EXISTING INLET FOR CREEK CROSSING EAST LAKE SAMMAMISH PARKWAY.
   - 4.2. SEE SHEET C-354 FOR TEMPORARY PAVEMENT CROSS SECTION. ENSURE NO LOW POINTS ARE PRESENT IN THE TRAVEL PATHS. THE INTERFACE OF THE EXISTING ROADWAY SURFACE AND TEMPORARY PAVING SHALL BE DESIGNED TO SLOPE IN A SINGLE DIRECTION.
   - 4.3. UTILIZE FLAGGERS OR SHOULDER CLOSURES TO INSTALL TEMPORARY PAVEMENT. ROADWAY TO BE OPENED TO TWO-LANE,TWO-WAY TRAFFIC BY END OF WORK DAY.

5. INSTALL FOUNDATION PILES AND STRUTS FOR ENTIRE BRIDGE WIDTH AS SHOWN ON SHEET BR-503 STAGE 1. MAINTAIN TRAFFIC AROUND ISOLATED SHAFT / PILE / STRUT WORK AREA.

LEGEND

- STAGE WORK AREA
- TRAFFIC PAVEMENT
- TEMPORARY PAVEMENT
- STABILIZED CONSTRUCTION ENTRANCE
- TEMPORARY SHORING
- SANITARY SEWER MAIN
- TCE — TEMPORARY CONSTRUCTION EASEMENT
- EXISTING ROW
- EXISTING PROPERTY LINES

Scale 1" = 20'

0 10 20 40

Conformed Set

No.	Revision	Date	By	App'd
1	TEMP SHORING CALLOUT UPDATE	3/11/26	JTS	SR

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

CONSTRUCTION STAGE 2.1 FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

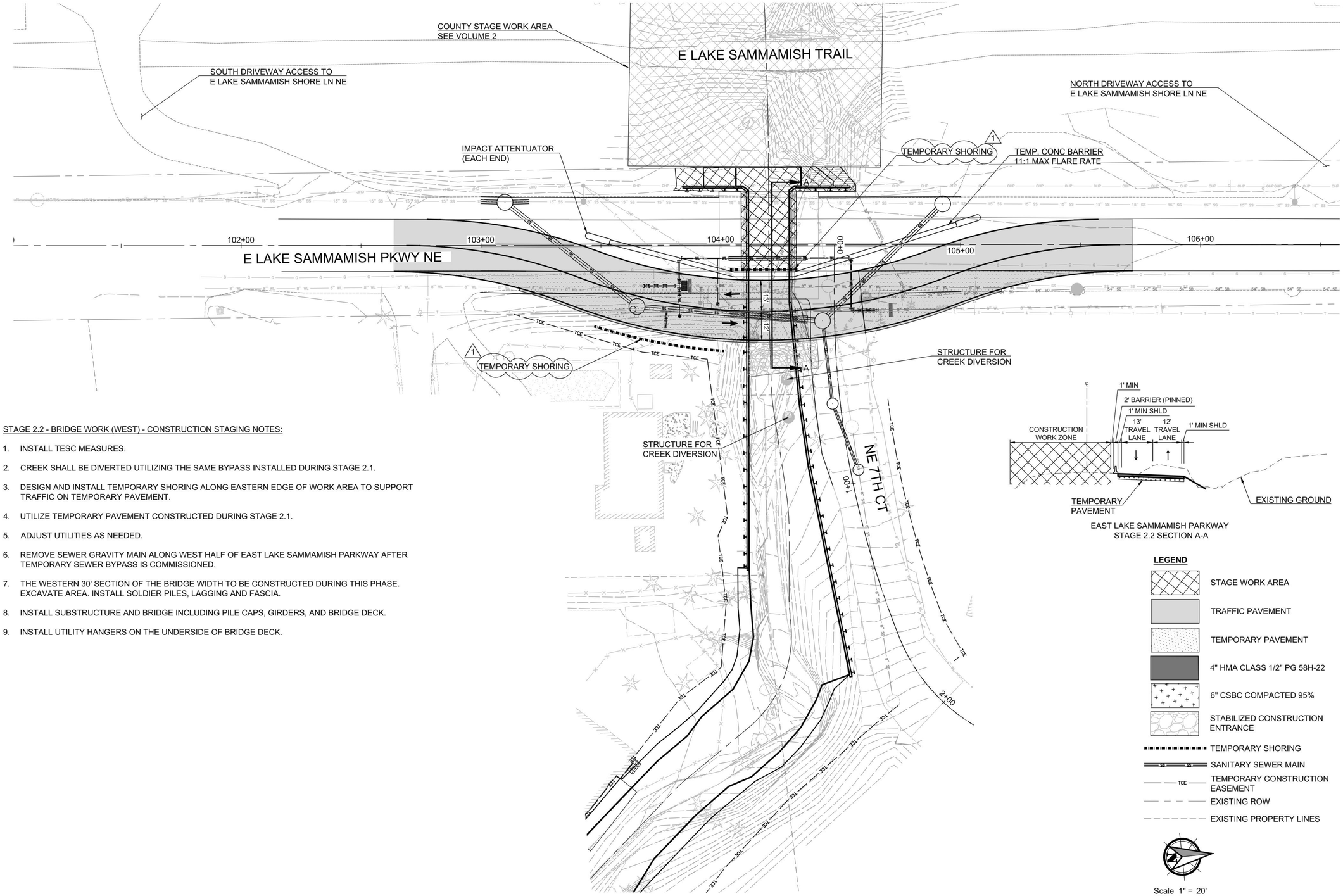
SASHRIAN — STATE OF WASHINGTON — 56631 — REGISTERED PROFESSIONAL ENGINEER — 03/11/2026

DESIGNED: SR
CHECKED: CMK
NOVEMBER 2025
45015-004

SHEET ID
C-353
SHEET 19 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-350_STAGING.dwg Layout Tab: C-353 CONSTRUCTION STAGE 2.1 User: Justin Sullivan CAD Plot Date/Time: 3/10/2026 2:57:49 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.



EAST LAKE SAMMAMISH PARKWAY
STAGE 2.2 SECTION A-A

STAGE 2.2 - BRIDGE WORK (WEST) - CONSTRUCTION STAGING NOTES:

1. INSTALL TESC MEASURES.
2. CREEK SHALL BE DIVERTED UTILIZING THE SAME BYPASS INSTALLED DURING STAGE 2.1.
3. DESIGN AND INSTALL TEMPORARY SHORING ALONG EASTERN EDGE OF WORK AREA TO SUPPORT TRAFFIC ON TEMPORARY PAVEMENT.
4. UTILIZE TEMPORARY PAVEMENT CONSTRUCTED DURING STAGE 2.1.
5. ADJUST UTILITIES AS NEEDED.
6. REMOVE SEWER GRAVITY MAIN ALONG WEST HALF OF EAST LAKE SAMMAMISH PARKWAY AFTER TEMPORARY SEWER BYPASS IS COMMISSIONED.
7. THE WESTERN 30' SECTION OF THE BRIDGE WIDTH TO BE CONSTRUCTED DURING THIS PHASE. EXCAVATE AREA. INSTALL SOLDIER PILES, LAGGING AND FASCIA.
8. INSTALL SUBSTRUCTURE AND BRIDGE INCLUDING PILE CAPS, GIRDERS, AND BRIDGE DECK.
9. INSTALL UTILITY HANGERS ON THE UNDERSIDE OF BRIDGE DECK.

LEGEND

- STAGE WORK AREA
- TRAFFIC PAVEMENT
- TEMPORARY PAVEMENT
- 4" HMA CLASS 1/2" PG 58H-22
- 6" CSBC COMPACTED 95%
- STABILIZED CONSTRUCTION ENTRANCE
- TEMPORARY SHORING
- SANITARY SEWER MAIN
- TCE — TEMPORARY CONSTRUCTION EASEMENT
- EXISTING ROW
- EXISTING PROPERTY LINES

Scale 1" = 20'

0 10 20 40

Conformed Set

No.	Revision	Date	By	App'd
1	TEMP SHORING CALLOUT UPDATE	3/11/26	JTS	SR

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

CONSTRUCTION STAGE 2.2 FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

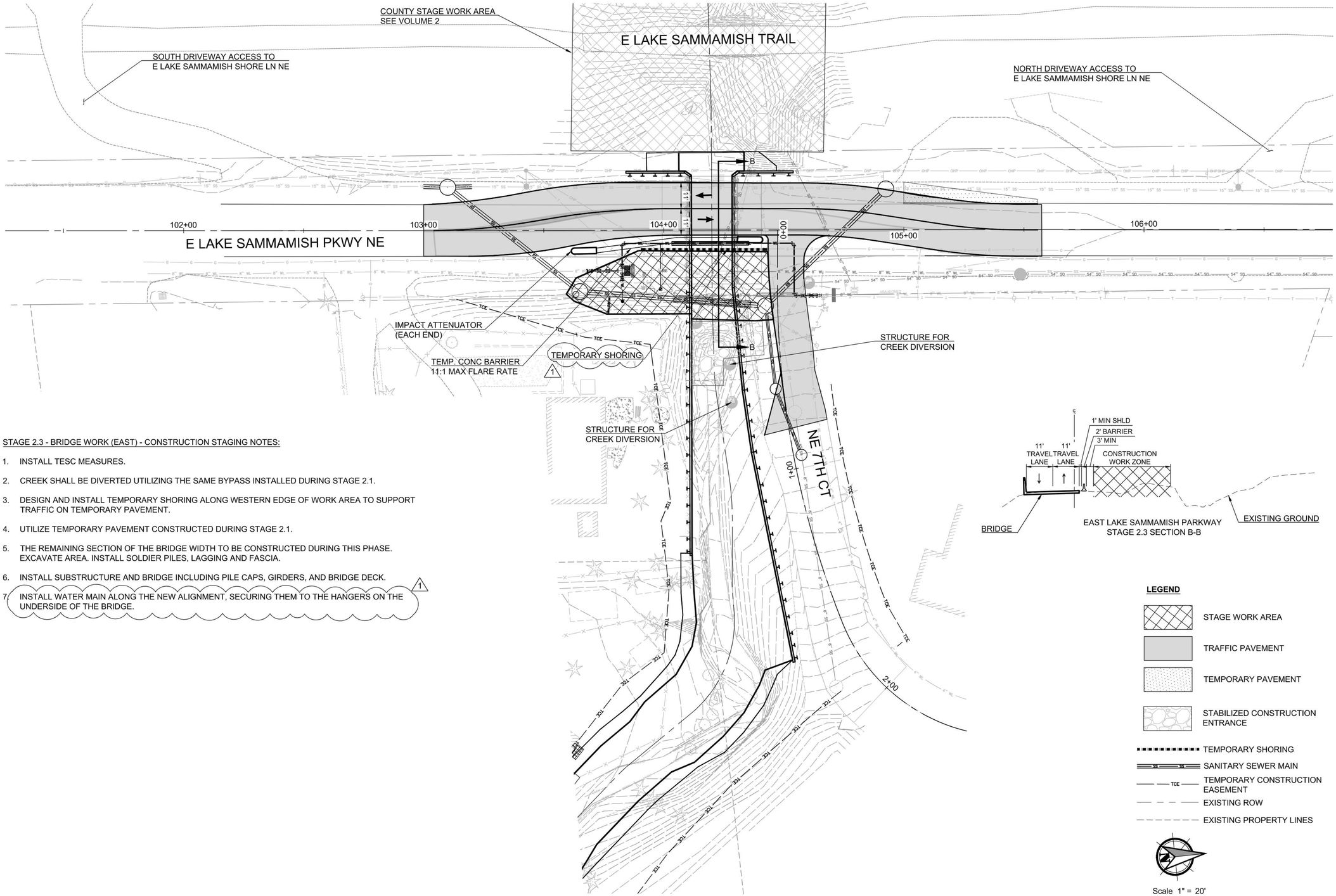
SASHRIAN — STATE OF WASHINGTON — 56631 — REGISTERED PROFESSIONAL ENGINEER — 03/11/2026

DESIGNED: SR
CHECKED: CMK
NOVEMBER 2025
45015-004

SHEET ID
C-354
SHEET 20 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-350_STAGING.dwg Layout Tab: C-354 CONSTRUCTION STAGE 2.2 User: Justin Sullivan CAD Plot Date/Time: 3/10/2026 2:57:53 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.



STAGE 2.3 - BRIDGE WORK (EAST) - CONSTRUCTION STAGING NOTES:

1. INSTALL TESC MEASURES.
2. CREEK SHALL BE DIVERTED UTILIZING THE SAME BYPASS INSTALLED DURING STAGE 2.1.
3. DESIGN AND INSTALL TEMPORARY SHORING ALONG WESTERN EDGE OF WORK AREA TO SUPPORT TRAFFIC ON TEMPORARY PAVEMENT.
4. UTILIZE TEMPORARY PAVEMENT CONSTRUCTED DURING STAGE 2.1.
5. THE REMAINING SECTION OF THE BRIDGE WIDTH TO BE CONSTRUCTED DURING THIS PHASE. EXCAVATE AREA. INSTALL SOLDIER PILES, LAGGING AND FASCIA.
6. INSTALL SUBSTRUCTURE AND BRIDGE INCLUDING PILE CAPS, GIRDERS, AND BRIDGE DECK.
7. INSTALL WATER MAIN ALONG THE NEW ALIGNMENT, SECURING THEM TO THE HANGERS ON THE UNDERSIDE OF THE BRIDGE. (1)

LEGEND

- STAGE WORK AREA
- TRAFFIC PAVEMENT
- TEMPORARY PAVEMENT
- STABILIZED CONSTRUCTION ENTRANCE
- TEMPORARY SHORING
- SANITARY SEWER MAIN
- TCE — TEMPORARY CONSTRUCTION EASEMENT
- EXISTING ROW
- EXISTING PROPERTY LINES

Scale 1" = 20'

0 10 20 40

Conformed Set

No.	Revision	Date	By	App'd
1	NOTE 7 UPDATE	3/11/26	JTS	SR

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

CONSTRUCTION STAGE 2.3 FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

SASHRIAN — STATE OF WASHINGTON — 55631 — REGISTERED PROFESSIONAL ENGINEER — 03/11/2026

DESIGNED: SR
CHECKED: CMK
NOVEMBER 2025
45015-004

SHEET ID
C-355
SHEET 21 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-350_STAGING.dwg Layout Tab: C-355 CONSTRUCTION STAGE 2.3 User: Justin Sullivan CAD Plot Date/Time: 3/10/2026 2:57:56 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.



STAGE 3 - CREEK UPSTREAM - CONSTRUCTION STAGING NOTES:

1. INSTALL TESC MEASURES.
2. UPSTREAM WORK MAY OCCUR CONCURRENTLY WITH OTHER STAGES. COMPLETION OF ALL OTHER STAGES IS REQUIRED PRIOR TO COMPLETION OF THIS STAGE AND COMMISSIONING OF THE NEW STREAM.
3. DESIGN AND INSTALL CONSTRUCTION ENTRANCE TO ACCESS SITE FROM 7TH CT. ACCESS TO BE UTILIZED UNTIL COMPLETION OF THIS STAGE.
4. EXCAVATE AREA. INSTALL SOLDIER PILES, LAGGING, AND FASCIA. GAP IN WALL MAY BE NEEDED AT THE CONSTRUCTION ENTRANCE ROAD TO MAINTAIN ACCESS FOR EQUIPMENT.
5. COMPLETE GRADING AND RESTORATION OF STREAM. WORK DOWNSTREAM TO UPSTREAM TO EXCAVATE TO STREAM DATUM (BOTTOM OF SCOUR COUNTERMEASURES). ONCE THE DATUM SURFACE IS REACHED, WORK UPSTREAM TO DOWNSTREAM TO RESTORE THE STREAM AS SHOWN ON THE C-400 SHEETS.

LEGEND

- STAGE WORK AREA
- TRAFFIC PAVEMENT
- TEMPORARY PAVEMENT
- STABILIZED CONSTRUCTION ENTRANCE
- TEMPORARY SHORING
- SANITARY SEWER MAIN
- TCE — TEMPORARY CONSTRUCTION EASEMENT
- EXISTING ROW
- EXISTING PROPERTY LINES

Scale 1" = 40'

0 20 40 80

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

CONSTRUCTION STAGE 3 FOR: GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT

SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

SASHRIAL — STATE OF WASHINGTON — 56631 — REGISTERED PROFESSIONAL ENGINEER — 02/16/2026

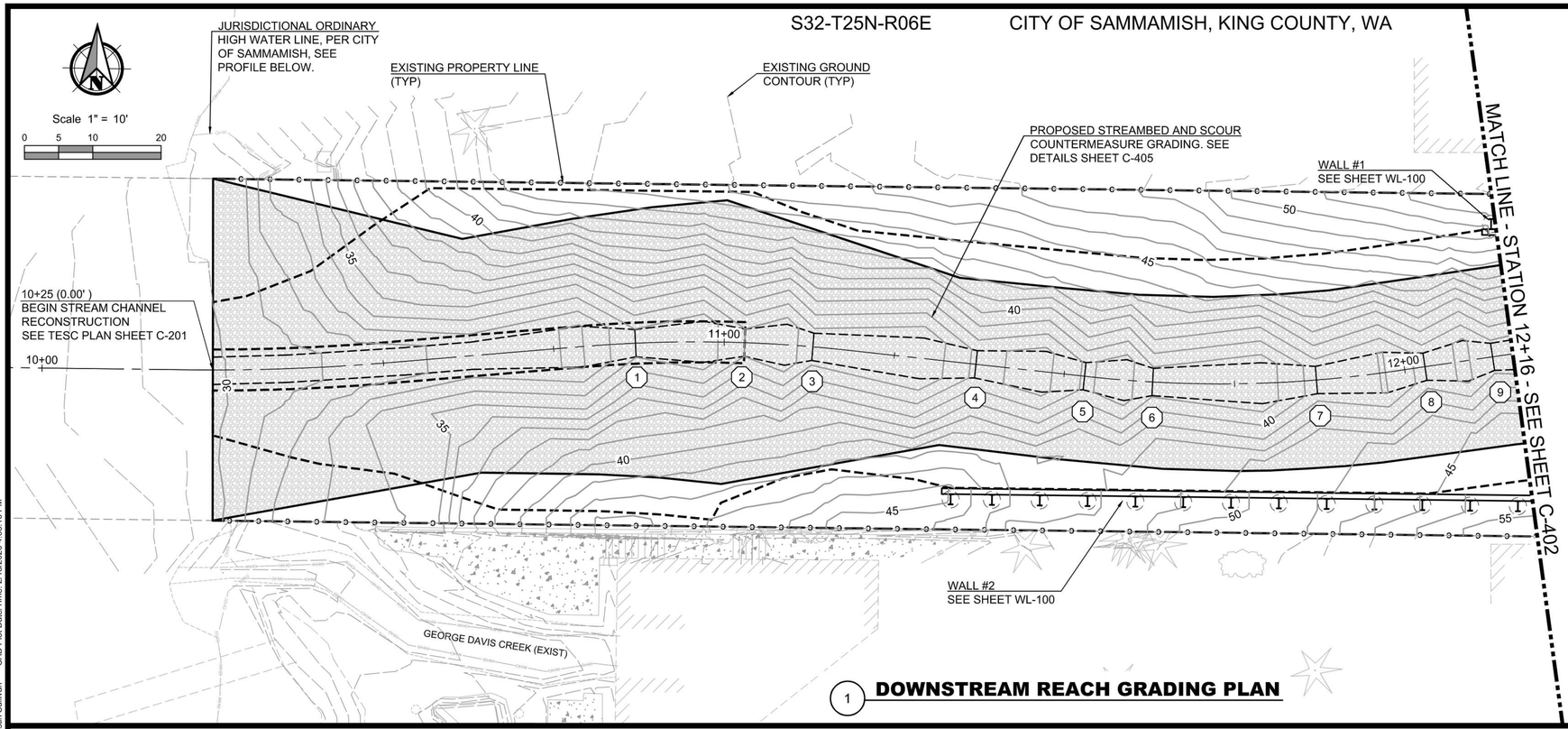
DESIGNED: SR
CHECKED: CMK
NOVEMBER 2025
45015-004

SHEET ID
C-356
SHEET 22 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\WorkingISheets\C-350_STAGING.dwg Layout Tab: C-356 CONSTRUCTION STAGE 3 User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:32:20 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA



1 DOWNSTREAM REACH GRADING PLAN

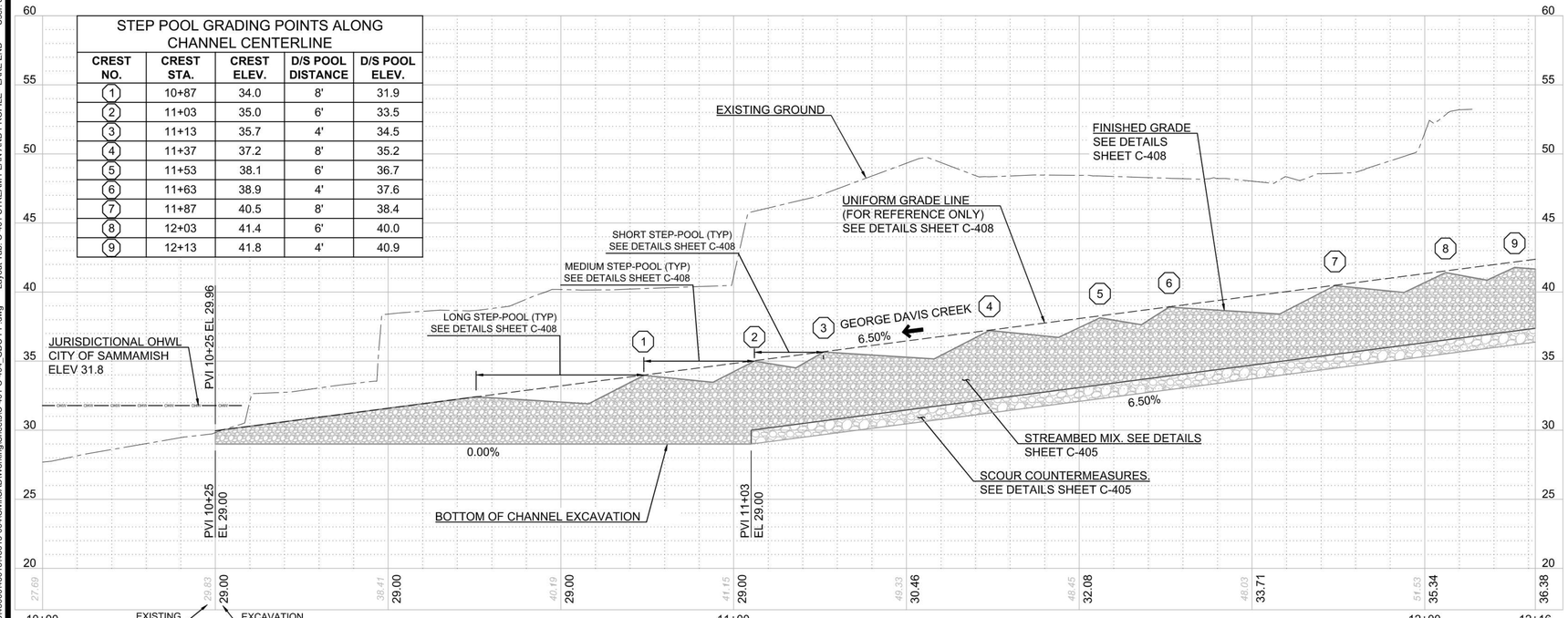
STREAMBED CONSTRUCTION NOTES:

1. SEE SHEETS C-101 - C-102 FOR PROPERTY LINE, EASEMENT BOUNDARY, AND STREAM CENTERLINE CONTROL DATA.
2. SEE SHEETS C-004, AND C-201 - C-204 FOR GENERAL SITE AND EROSION CONTROL NOTES.
3. ALL FINISH GRADES SHOWN TAKEN AT CRESTS, UNLESS OTHERWISE NOTED. SEE SHEET C-408 FOR STEP-POOL DETAILS
4. CONSTRUCT STREAMBED WORKING DOWNSTREAM TO UPSTREAM UP TO STA 12+48.20.
5. STREAMBED AND SCOUR COUNTERMEASURE MATERIALS SHALL BE INSTALLED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. SEE DETAILS, SHEETS C-405 - C-407.

LEGEND:

- SCOUR COUNTER MEASURE LIMITS
- PROPOSED CUT LIMITS
- PROPOSED FILL LIMITS
- PROPERTY LINE
- TEMPORARY CONSTRUCTION EASEMENT
- STREAMBED MATERIAL
- SCOUR COUNTERMEASURES
- STEP POOL CREST

STEP POOL GRADING POINTS ALONG CHANNEL CENTERLINE				
CREST NO.	CREST STA.	CREST ELEV.	D/S POOL DISTANCE	D/S POOL ELEV.
1	10+87	34.0	8'	31.9
2	11+03	35.0	6'	33.5
3	11+13	35.7	4'	34.5
4	11+37	37.2	8'	35.2
5	11+53	38.1	6'	36.7
6	11+63	38.9	4'	37.6
7	11+87	40.5	8'	38.4
8	12+03	41.4	6'	40.0
9	12+13	41.8	4'	40.9



2 DOWNSTREAM REACH GRADING PROFILE

BASED ON CHANNEL CENTERLINE DEFINED ABOVE
HORIZ: 1" = 10'
VERT: 1" = 5'

Conformed Set

No.	Revision	Date	By	App'd

nhc
12787 GATEWAY DRIVE SOUTH | TUKWILA | WA | 98168
www.nhcwater.com

STREAM PLAN AND PROFILE - LAKE END FOR: GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT

SAMMAMISH, WASHINGTON

Know what's below. Call before you dig.

Peter C. Brooks — State of Washington — 39829 — Registered Professional Engineer — 02/16/2026

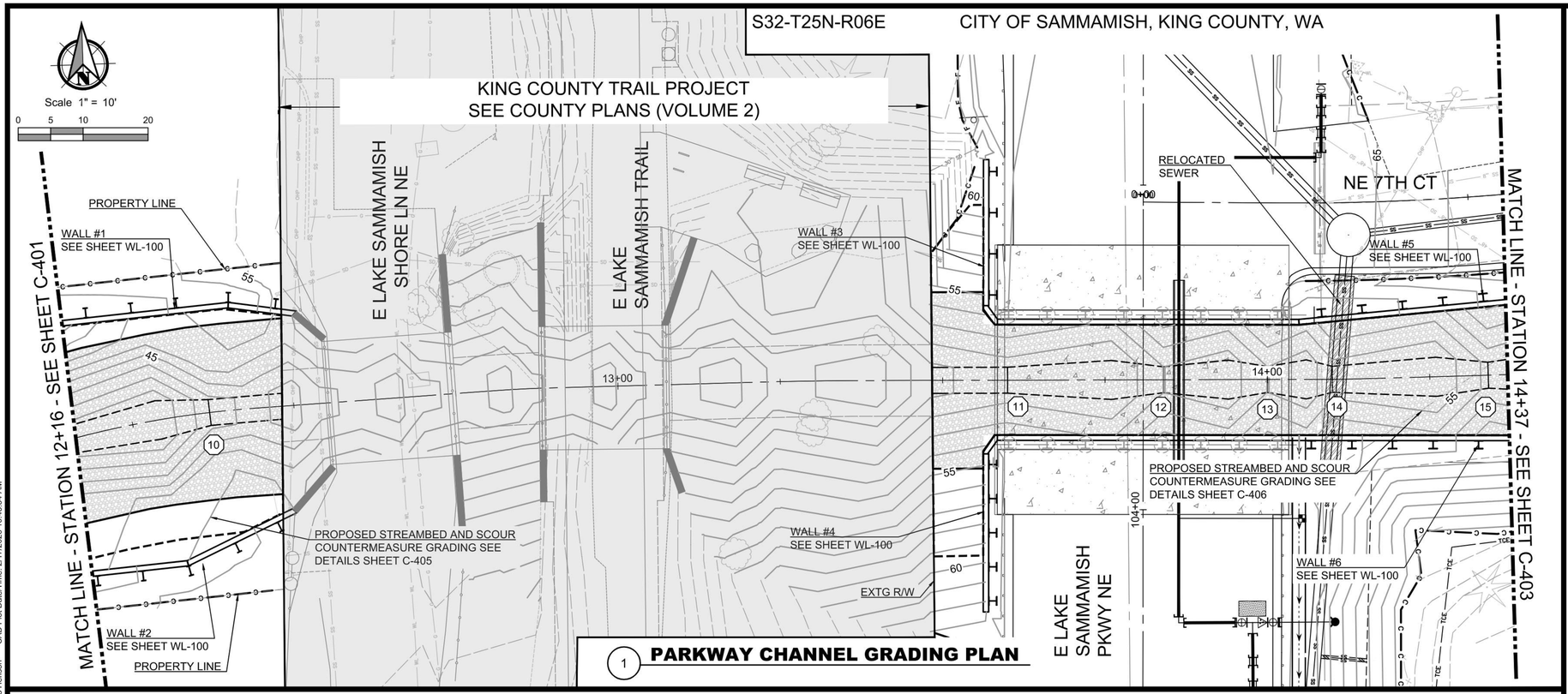
DESIGNED: PCB
CHECKED: DGH
NOVEMBER 2025
45015-004

SHEET ID
C-401
SHEET 23 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-401-C-404_GDC-PP.dwg Layout Tab: C-401 STREAM PLAN AND PROFILE - LAKE END User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:33:16 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA



1 **PARKWAY CHANNEL GRADING PLAN**

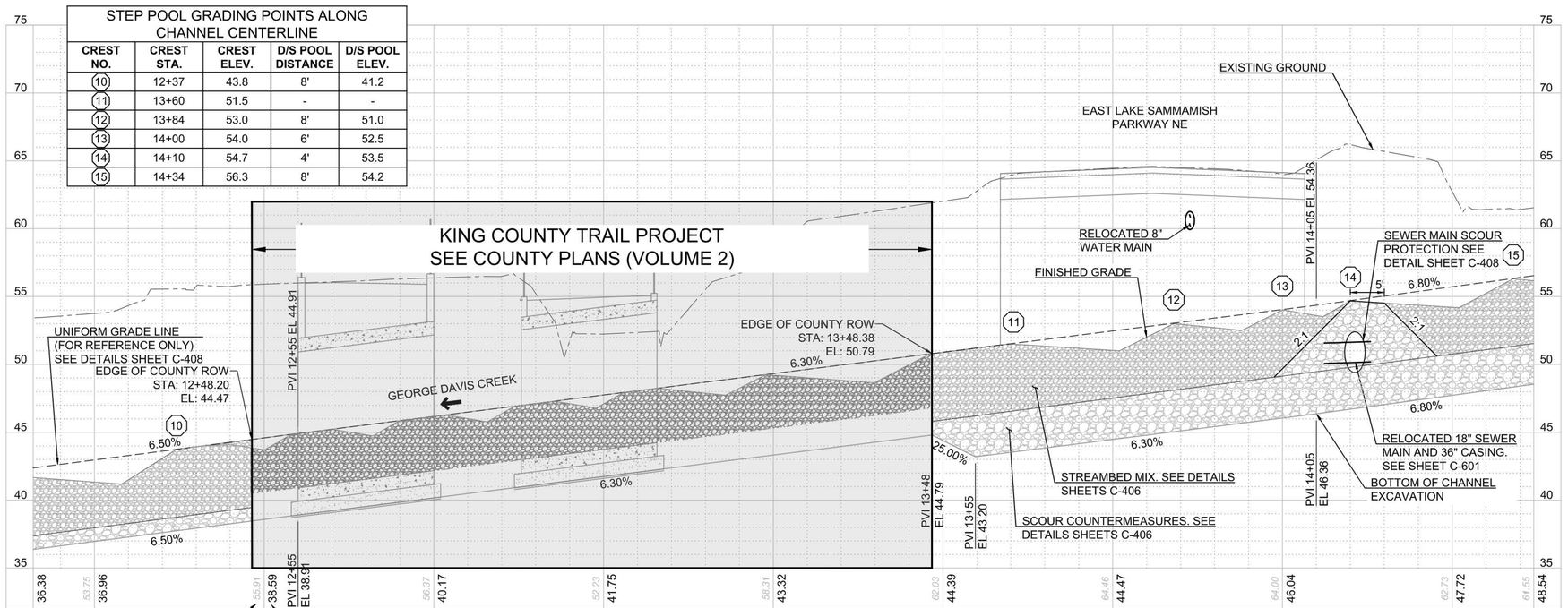
STREAMBED CONSTRUCTION NOTES:

1. SEE SHEETS C-101 - C-102 FOR PROPERTY LINE, EASEMENT BOUNDARY, AND STREAM CENTERLINE CONTROL DATA.
2. SEE SHEETS C-004, AND C-201 - C-204 FOR GENERAL SITE AND EROSION CONTROL NOTES.
3. ALL FINISH GRADES SHOWN TAKEN AT CRESTS, UNLESS OTHERWISE NOTED. SEE SHEET C-408 FOR STEP-POOL DETAILS
4. CONSTRUCT STREAMBED WORKING DOWNSTREAM TO UPSTREAM UP TO STA 12+48.20.
5. CONSTRUCT STREAMBED WORKING UPSTREAM TO DOWNSTREAM UPSTREAM OF STA 13+48.38.
6. STREAMBED AND SCOUR COUNTERMEASURE MATERIALS SHALL BE INSTALLED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. SEE DETAILS, SHEETS C-405 - C-407.

LEGEND:

- SCOUR COUNTER MEASURE LIMITS
- PROPOSED CUT LIMITS
- PROPOSED FILL LIMITS
- PROPERTY LINE
- TEMPORARY CONSTRUCTION EASEMENT
- STREAMBED MATERIAL
- SCOUR COUNTERMEASURES
- STEP POOL CREST

STEP POOL GRADING POINTS ALONG CHANNEL CENTERLINE				
CREST NO.	CREST STA.	CREST ELEV.	D/S POOL DISTANCE	D/S POOL ELEV.
10	12+37	43.8	8'	41.2
11	13+60	51.5	-	-
12	13+84	53.0	8'	51.0
13	14+00	54.0	6'	52.5
14	14+10	54.7	4'	53.5
15	14+34	56.3	8'	54.2



2 **PARKWAY CHANNEL PROFILE**

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

Conformed Set

No.	Revision	Date	By	App'd

nhc
12787 GATEWAY DRIVE SOUTH | TUKWILA | WA | 98168
www.nhcwater.com

STREAM PLAN AND PROFILE - BRIDGE
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

Peter C. Brooks — State of Washington — 39829 — Registered Professional Engineer — 02/16/2026

DESIGNED: PCB
CHECKED: DGH
NOVEMBER 2025
45015-004

SHEET ID
C-402
SHEET 24 OF 108

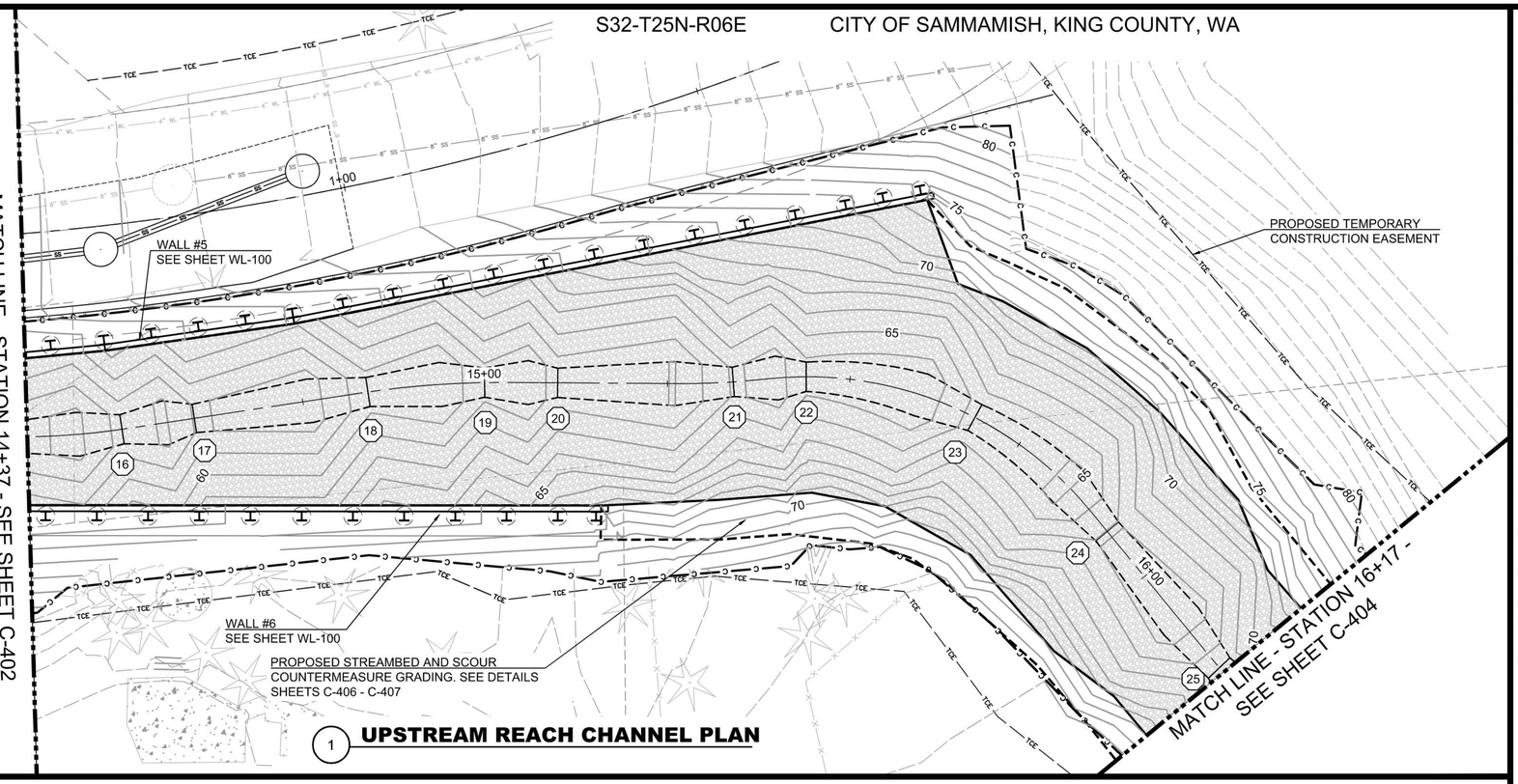
Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-401-C-404_GDC-PP.dwg Layout Tab: C-402 STREAM PLAN AND PROFILE - BRIDGE User: Chris Henson CAD Plot Date/Time: 2/17/2026 10:43:54 AM

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA

Scale 1" = 10'

0 5 10 20



1 **UPSTREAM REACH CHANNEL PLAN**

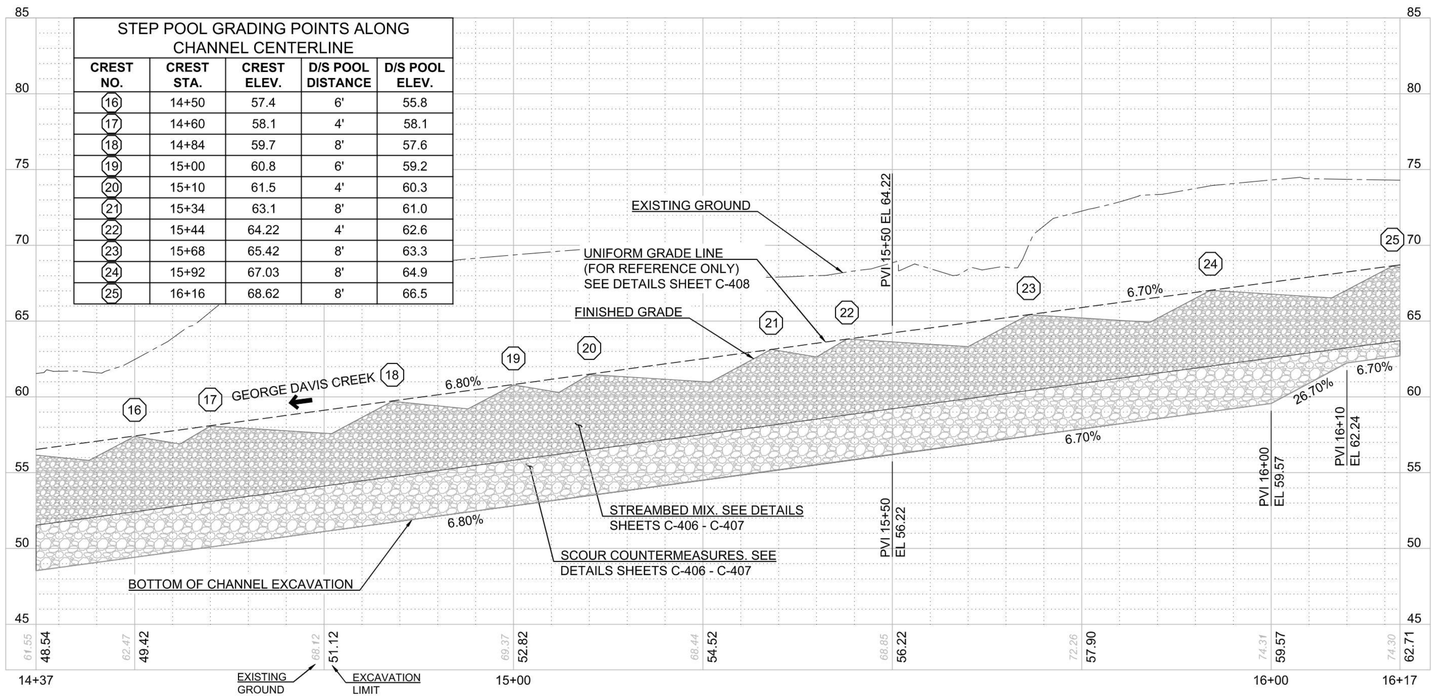
STREAMBED CONSTRUCTION NOTES:

1. SEE SHEETS C-101 - C-102 FOR PROPERTY LINE, EASEMENT BOUNDARY, AND STREAM CENTERLINE CONTROL DATA.
2. SEE SHEETS C-004, AND C-201 - C-204 FOR GENERAL SITE AND EROSION CONTROL NOTES.
3. ALL FINISH GRADES SHOWN TAKEN AT CRESTS, UNLESS OTHERWISE NOTED. SEE SHEET C-408 FOR STEP-POOL DETAILS
4. CONSTRUCT STREAMBED WORKING UPSTREAM TO DOWNSTREAM UPSTREAM OF STA 13+48.38.
5. STREAMBED AND SCOUR COUNTERMEASURE MATERIALS SHALL BE INSTALLED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. SEE DETAILS, SHEETS C-405 - C-407.

LEGEND:

- SCOUR COUNTER MEASURE LIMITS
- PROPOSED CUT LIMITS
- PROPOSED FILL LIMITS
- PROPERTY LINE
- TEMPORARY CONSTRUCTION EASEMENT
- STREAMBED MATERIAL
- SCOUR COUNTERMEASURES
- STEP POOL CREST (3)

STEP POOL GRADING POINTS ALONG CHANNEL CENTERLINE				
CREST NO.	CREST STA.	CREST ELEV.	D/S POOL DISTANCE	D/S POOL ELEV.
16	14+50	57.4	6'	55.8
17	14+60	58.1	4'	58.1
18	14+84	59.7	8'	57.6
19	15+00	60.8	6'	59.2
20	15+10	61.5	4'	60.3
21	15+34	63.1	8'	61.0
22	15+44	64.22	4'	62.6
23	15+68	65.42	8'	63.3
24	15+92	67.03	8'	64.9
25	16+16	68.62	8'	66.5



2 **EAST CREEK CHANNEL PROFILE - LOWER**

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

Conformed Set

No.	Revision	Date	By	App'd

nhc
12787 GATEWAY DRIVE SOUTH | TUKWILA | WA | 98168
www.nhcwater.com

STREAM PLAN AND PROFILE - EAST BRIDGE FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

Peter C. Brooks — State of Washington — 39829 — Registered Professional Engineer — 02/16/2026

DESIGNED:	PCB
CHECKED:	DGH
NOVEMBER 2025	45015-004
SHEET ID	C-403
SHEET	25 OF 108

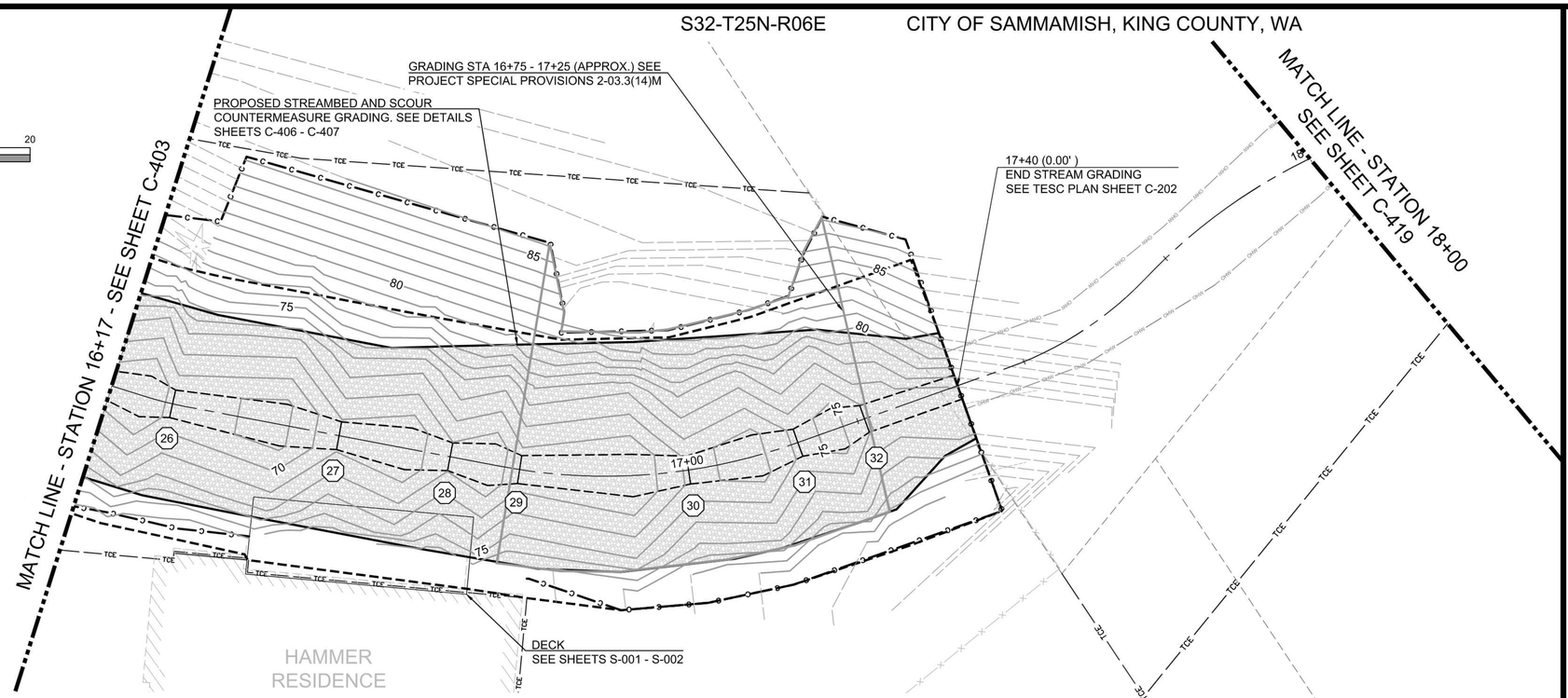
Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\WorkingISheets\C-401-C-404_GDC-PP.dwg Layout Tab: C-403 STREAM PLAN AND PROFILE - EAST BRIDGE User: Chris Henson CAD Plot Date/Time: 2/17/2026 10:44:11 AM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

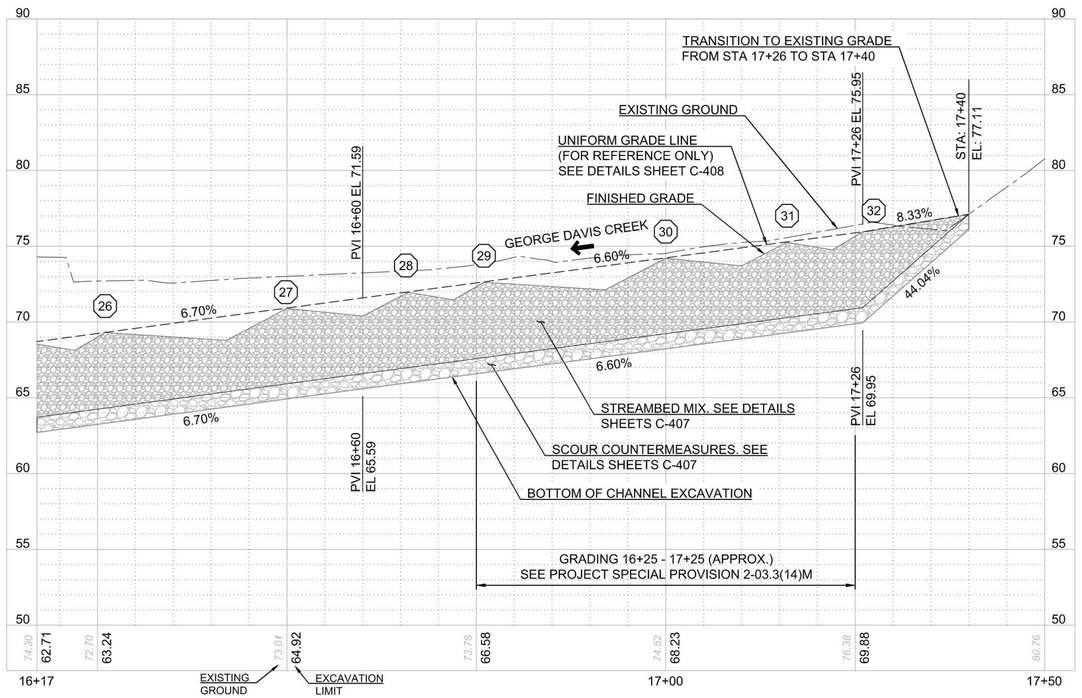
S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA

Scale 1" = 10

0 5 10 20



1 **EAST CREEK CHANNEL PLAN - UPPER**



2 **EAST CREEK CHANNEL PROFILE - UPPER**

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

STEP POOL GRADING POINTS ALONG CHANNEL CENTERLINE				
CREST NO.	CREST STA.	CREST ELEV.	D/S POOL DISTANCE	D/S POOL ELEV.
26	16+26	69.3	4'	68.1
27	16+50	70.9	8'	68.8
28	16+66	72.0	6'	70.4
29	16+76	72.6	4'	71.5
30	17+00	74.2	8'	72.1
31	17+16	75.3	6'	73.7
32	17+26	76.0	4'	74.8

STREAMBED CONSTRUCTION NOTES:

1. SEE SHEETS C-101 - C-102 FOR PROPERTY LINE, EASEMENT BOUNDARY, AND STREAM CENTERLINE CONTROL DATA.
2. SEE SHEETS C-004, AND C-201 - C-204 FOR GENERAL SITE AND EROSION CONTROL NOTES.
3. ALL FINISH GRADES SHOWN TAKEN AT CRESTS, UNLESS OTHERWISE NOTED. SEE SHEET C-408 FOR STEP-POOL DETAILS
4. CONSTRUCT STREAMBED WORKING UPSTREAM TO DOWNSTREAM UPSTREAM OF STA 13+48.38.
5. STREAMBED AND SCOUR COUNTERMEASURE MATERIALS SHALL BE INSTALLED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. SEE DETAILS, SHEETS C-405 - C-407.

LEGEND:

- SCOUR COUNTER MEASURE LIMITS
- PROPOSED CUT LIMITS
- PROPOSED FILL LIMITS
- PROPERTY LINE
- TEMPORARY CONSTRUCTION EASEMENT
- STREAMBED MATERIAL
- SCOUR COUNTERMEASURES
- STEP POOL CREST (3)

Conformed Set

No.	Revision	Date	By	App'd

nhc
12787 GATEWAY DRIVE SOUTH | TUKWILA | WA | 98168
www.nhcwater.com

STREAM PLAN AND PROFILE - EAST END FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

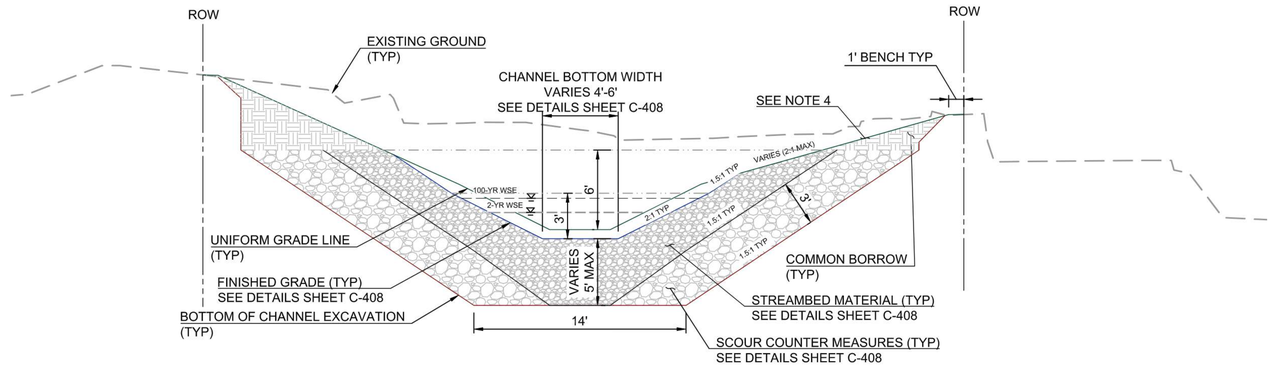
Peter C. Brooks — State of Washington — 39829 — Registered Professional Engineer — 02/16/2026

DESIGNED: PCB
CHECKED: DGH
NOVEMBER 2025
45015-004

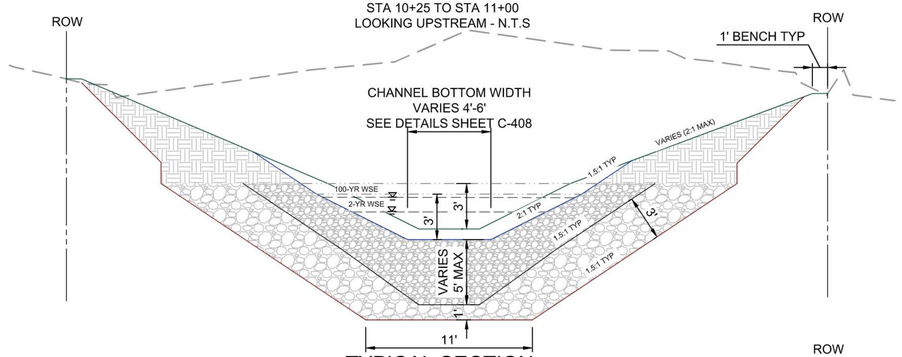
SHEET ID
C-404
SHEET 26 OF 108

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

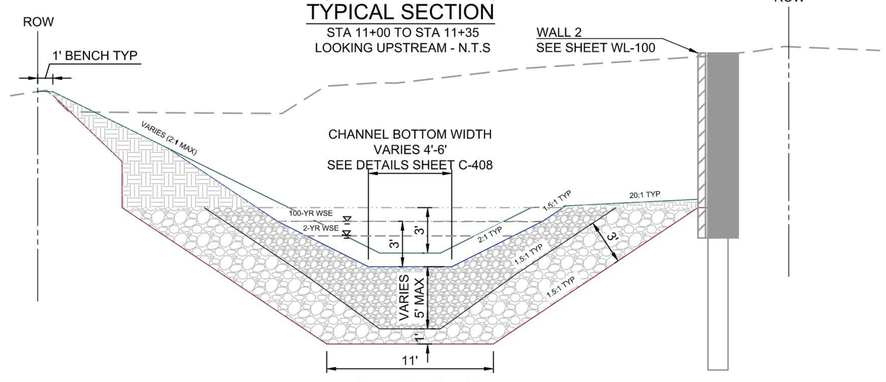
Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-401-C-404_GDC-PP.dwg Layout Tab: C-404 STREAM PLAN AND PROFILE - EAST END User: Chris Henson CAD Plot Date/Time: 2/17/2026 10:44:25 AM



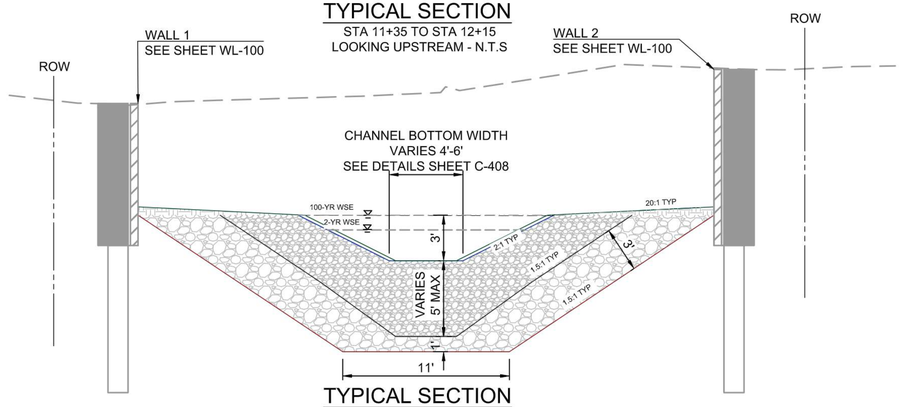
TYPICAL SECTION
STA 10+25 TO STA 11+00
LOOKING UPSTREAM - N.T.S



TYPICAL SECTION
STA 11+00 TO STA 11+35
LOOKING UPSTREAM - N.T.S



TYPICAL SECTION
STA 11+35 TO STA 12+15
LOOKING UPSTREAM - N.T.S



TYPICAL SECTION
STA 12+15 TO STA 12+48
LOOKING UPSTREAM - N.T.S

CONSTRUCTION NOTES:

1. THE ENTIRE PROCESS OF PLACING ALL STREAMBED MATERIAL, ALL STREAMBED FINES, ALL SCOUR COUNTERMEASURES AND WATERING IN EACH LIFT SHALL BE A HOLD POINT, WITH NOTICE OF THE WORK GIVEN TO THE ENGINEER 14 CALENDAR DAYS PRIOR TO STARTING THE WORK.
2. THE POTENTIAL FOR INCREASED TURBIDITY SHALL BE MINIMIZED IN ACCORDANCE WITH STATE WATER QUALITY STANDARDS AND CONTRACT REQUIREMENTS. ANY ACCUMULATED SEDIMENTS SHALL BE REMOVED.
3. SEE STREAM PLAN AND PROFILE SHEETS C-401 - C-404 FOR TRANSITION LENGTHS.
4. SEE RESTORATION REQUIREMENTS ON REVEGETATION AND LANDSCAPE RESTORATION PLANS.
5. SCOUR COUNTERMEASURES AND STREAMBED MATERIALS SHALL BE PLACE IN 12-INCH LIFTS AND ADDITIONAL STREAMBED FINES WASHED IN PER CONTRACT SPECIFICATIONS TO ENSURE STREAMBED SEALS.
6. THE CONTRACTOR SHALL APPLY WATER AT THE LOW FLOW RATE TO THE STREAM CHANNEL FOR VISUAL ACCEPTANCE BY THE ENGINEER, PRIOR TO PLACEMENT OF THE NEXT SUBSEQUENT LIFT.
7. WATER SHALL BE FREE FROM CONTAMINANTS, CHLORINATION AND ANY ADDITIVE THAT HAS A RISK ON FISH AND OTHER ECOLOGICAL LIFE.

Conformed Set

No.	Revision	Date	By	App'd

nhc
12787 GATEWAY DRIVE SOUTH | TUKWILA | WA | 98168
www.nhcwater.com

TYPICAL CHANNEL SECTIONS - LAKE END
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

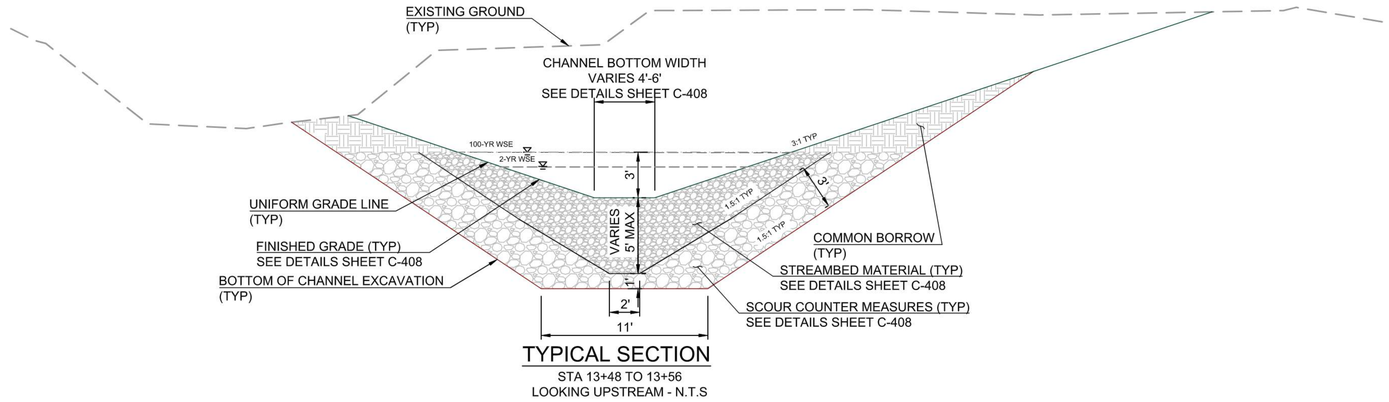
Know what's below. Call before you dig.



DESIGNED:	PCB
CHECKED:	DGH
NOVEMBER 2025	45015-004
SHEET ID	C-405
SHEET	27 OF 108

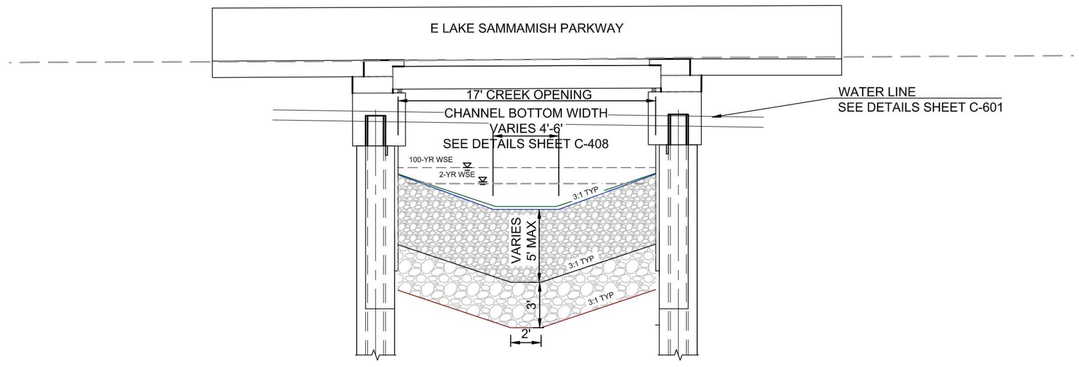
Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-406-C407_GDC-XS.dwg Layout Tab: C-405 TYPICAL CHANNEL SECTIONS - LAKE END User: Chris Henson CAD Plot Date/Time: 2/17/2026 10:52:42 AM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.



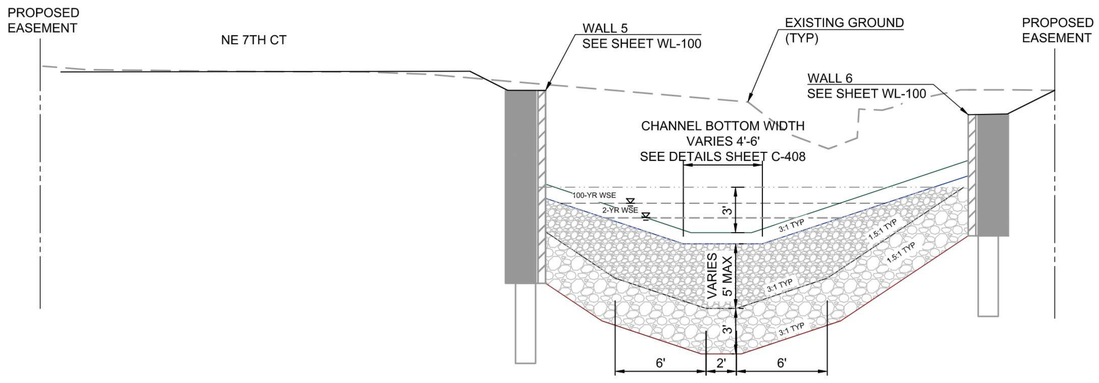
TYPICAL SECTION

STA 13+48 TO 13+56
LOOKING UPSTREAM - N.T.S



TYPICAL SECTION

STA 13+56 TO 14+04
LOOKING UPSTREAM - N.T.S



TYPICAL SECTION

STA 14+04 TO 15+16
LOOKING UPSTREAM - N.T.S

*SEE SHEET C-409 FOR SECTION AT BRIDGE

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

CONSTRUCTION NOTES:

1. THE ENTIRE PROCESS OF PLACING ALL STREAMBED MATERIAL, ALL STREAMBED FINES, ALL SCOUR COUNTERMEASURES AND WATERING IN EACH LIFT SHALL BE A HOLD POINT, WITH NOTICE OF THE WORK GIVEN TO THE ENGINEER 14 CALENDAR DAYS PRIOR TO STARTING THE WORK.
2. THE POTENTIAL FOR INCREASED TURBIDITY SHALL BE MINIMIZED IN ACCORDANCE WITH STATE WATER QUALITY STANDARDS AND CONTRACT REQUIREMENTS. ANY ACCUMULATED SEDIMENTS SHALL BE REMOVED.
3. SEE STREAM PLAN AND PROFILE SHEETS C-401 - C-404 FOR TRANSITION LENGTHS.
4. SEE RESTORATION REQUIREMENTS ON REVEGETATION AND LANDSCAPE RESTORATION PLANS.
5. SCOUR COUNTERMEASURES AND STREAMBED MATERIALS SHALL BE PLACE IN 12-INCH LIFTS AND ADDITIONAL STREAMBED FINES WASHED IN PER CONTRACT SPECIFICATIONS TO ENSURE STREAMBED SEALS.
6. THE CONTRACTOR SHALL APPLY WATER AT THE LOW FLOW RATE TO THE STREAM CHANNEL FOR VISUAL ACCEPTANCE BY THE ENGINEER, PRIOR TO PLACEMENT OF THE NEXT SUBSEQUENT LIFT.
7. WATER SHALL BE FREE FROM CONTAMINANTS, CHLORINATION AND ANY ADDITIVE THAT HAS A RISK ON FISH AND OTHER ECOLOGICAL LIFE.

Conformed Set

No.	Revision	Date	By	App'd

nhc
12787 GATEWAY DRIVE SOUTH | TUKWILA | WA | 98168
www.nhcwater.com

TYPICAL CHANNEL SECTIONS - BRIDGE FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

10:

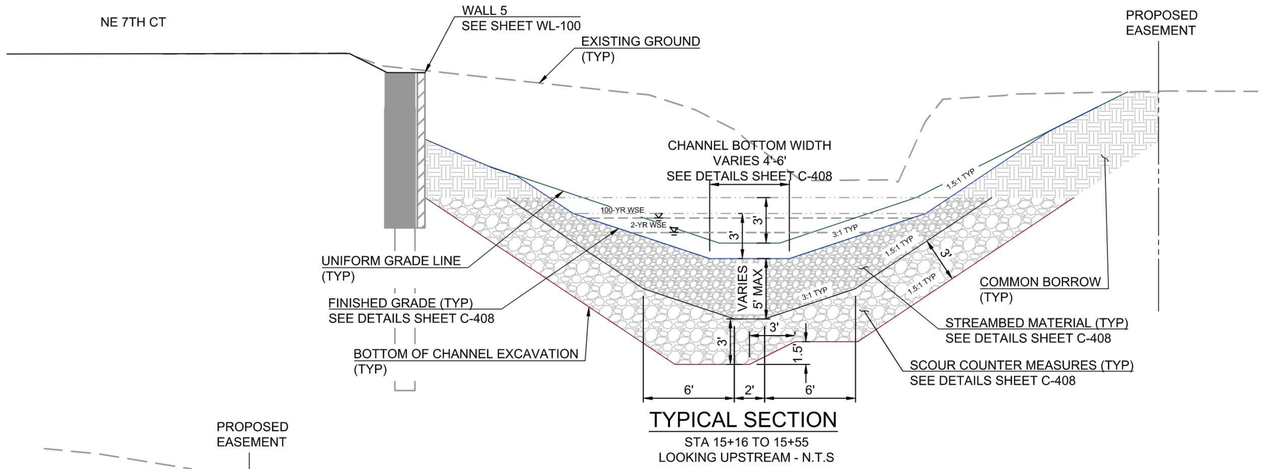
Know what's below. Call before you dig.

Peter C. Brooks
STATE OF WASHINGTON
39829
REGISTERED
PROFESSIONAL ENGINEER
02/16/2026

DESIGNED: PCB
CHECKED: DGH
NOVEMBER 2025
45015-004

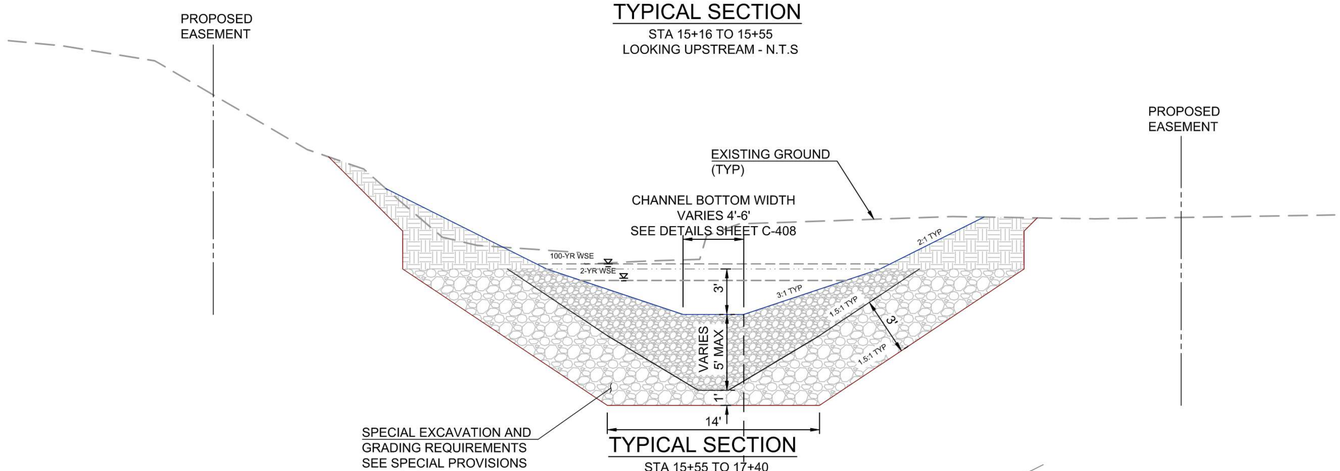
SHEET ID
C-406
SHEET 28 OF 108

Filename: L:\Projects\450004501\45015-004\Civil\CAD\Working\Sheets\C-406-C407_GDC-XS.dwg Layout Tab: C-406 TYPICAL CHANNEL SECTIONS - BRIDGE User: Chris Henson CAD Plot Date/Time: 2/17/2026 10:54:53 AM



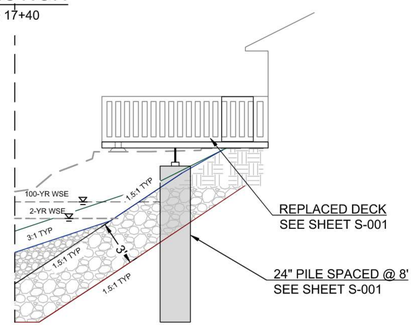
TYPICAL SECTION

STA 15+16 TO 15+55
LOOKING UPSTREAM - N.T.S



TYPICAL SECTION

STA 15+55 TO 17+40
N.T.S



STA 16+39 TO 16+71

CONSTRUCTION NOTES:

1. THE ENTIRE PROCESS OF PLACING ALL STREAMBED MATERIAL, ALL STREAMBED FINES, ALL SCOUR COUNTERMEASURES AND WATERING IN EACH LIFT SHALL BE A HOLD POINT, WITH NOTICE OF THE WORK GIVEN TO THE ENGINEER 14 CALENDAR DAYS PRIOR TO STARTING THE WORK.
2. THE POTENTIAL FOR INCREASED TURBIDITY SHALL BE MINIMIZED IN ACCORDANCE WITH STATE WATER QUALITY STANDARDS AND CONTRACT REQUIREMENTS. ANY ACCUMULATED SEDIMENTS SHALL BE REMOVED.
3. SEE STREAM PLAN AND PROFILE SHEETS C-401 - C-404 FOR TRANSITION LENGTHS.
4. SEE RESTORATION REQUIREMENTS ON REVEGETATION AND LANDSCAPE RESTORATION PLANS.
5. SCOUR COUNTERMEASURES AND STREAMBED MATERIALS SHALL BE PLACE IN 12-INCH LIFTS AND ADDITIONAL STREAMBED FINES WASHED IN PER CONTRACT SPECIFICATIONS TO ENSURE STREAMBED SEALS.
6. THE CONTRACTOR SHALL APPLY WATER AT THE LOW FLOW RATE TO THE STREAM CHANNEL FOR VISUAL ACCEPTANCE BY THE ENGINEER, PRIOR TO PLACEMENT OF THE NEXT SUBSEQUENT LIFT.
7. WATER SHALL BE FREE FROM CONTAMINANTS, CHLORINATION AND ANY ADDITIVE THAT HAS A RISK ON FISH AND OTHER ECOLOGICAL LIFE.

Conformed Set

No.	Revision	Date	By	App'd

nhc
12787 GATEWAY DRIVE SOUTH | TUKWILA | WA | 98168
www.nhcwater.com

TYPICAL CHANNEL SECTIONS - EAST BRIDGE AND EAST END FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

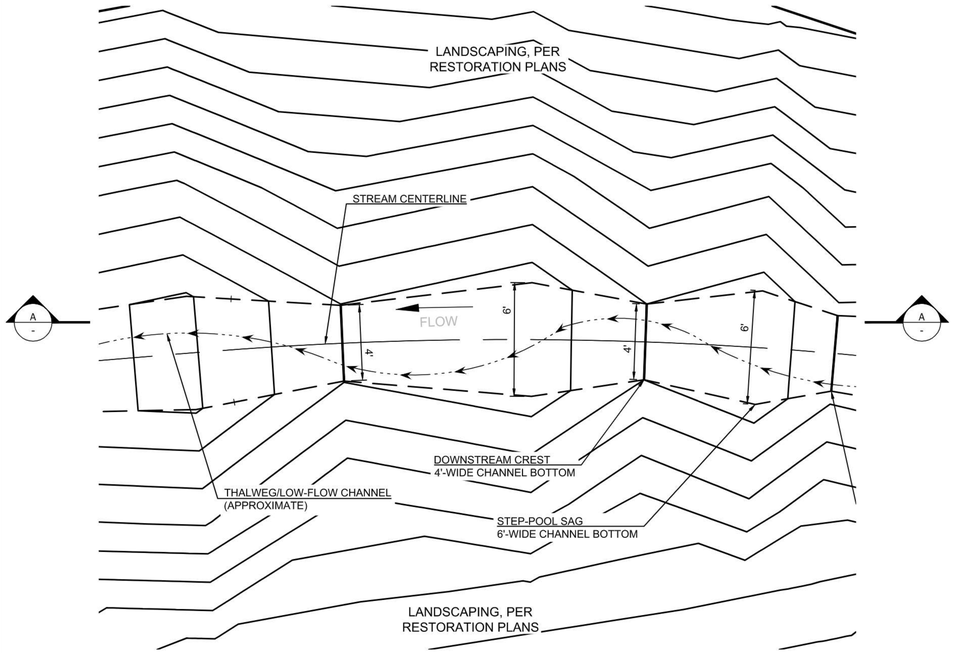
Peter C. Brooks — State of Washington — 39829 — Registered Professional Engineer — 02/16/2026

DESIGNED: PCB
CHECKED: DGH
NOVEMBER 2025
45015-004

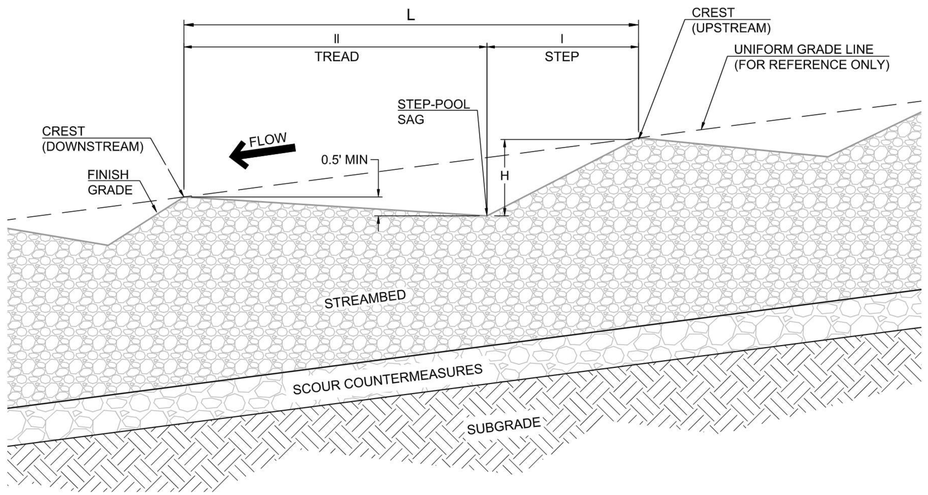
SHEET ID
C-407
SHEET 29 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\WorkingSheets\C-406-C407_GDC-XS.dwg Layout Tab: C-407 TYPICAL CHANNEL SECTIONS - EAST BRIDGE AND EAST END User: Chris Henson CAD Plot Date/Time: 2/17/2026 10:55:11 AM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

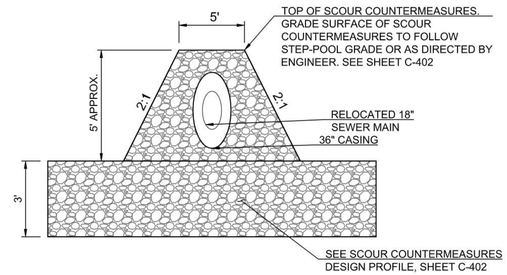


PLAN VIEW



SECTION A-A

TABLE 1: STEP-POOL DIMENSIONS (TYP)					
TYPE	L	II (TREAD)	I (STEP)	H	W
SHORT	10'-0"	6'-0"	4'-0"	1' - 2"	4'-0"
MEDIUM	16'-0"	10'-0"	6'-0"	1' - 7"	4'-6"
LONG	24'-0"	16'-0"	8'-0"	2' - 2"	5'-8"



SEWER MAIN SCOUR PROTECTION DETAIL

HORIZ: 1" = 3'

Conformed Set

STREAMBED AND SCOUR COUNTERMEASURE MATERIAL GRADATION NOTES:

1. SCOUR COUNTERMEASURE MATERIAL SHALL COMPRISE WSDOT STREAMBED COBBLES AND STREAMBED BOULDERS TYPE ONE PER THE RATIOS BELOW. SEE PROJECT SPECIAL PROVISIONS FOR PREPARATION REQUIREMENTS.

   SCOUR COUNTERMEASURE MATERIAL:
   30% STREAMBED COBBLES 12 INCH
   70% STREAMBED BOULDER TYPE 1, SEE PROJECT SPECIAL PROVISIONS FOR TYPE ONE BOULDER GRADING REQUIREMENTS

2. STREAMBED MATERIAL SHALL COMPRISE WSDOT STREAMBED SEDIMENT AND WSDOT STREAMBED COBBLES 12 INCH PER THE RATIO BELOW. SEE PROJECT SPECIAL PROVISIONS FOR PREPARATION REQUIREMENTS.

   STREAMBED MATERIAL:
   50% STREAMBED SEDIMENT
   50% STREAMBED COBBLES 12 INCH

3. STREAMBED MATERIAL WILL BE AUGMENTED WITH ADDITIONAL WSDOT STREAMBED TYPE ONE AND TYPE TWO BOULDERS.

a) STREAMBED MATERIAL AUGMENTATION WITH STREAMBED TYPE ONE BOULDERS WILL COMPRISE 3 TO 4 BOULDERS PER CY OF STREAMBED MATERIALS OR AS DIRECTED BY THE ENGINEER DURING PLACEMENT. LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE.

b) PLACEMENT OF STREAMBED TYPE TWO BOULDERS WILL BE DIRECTED BY THE ENGINEER DURING INSTALLATION OF STREAMBED MATERIAL AND LWM. LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE

4. ALL PLACED SCOUR COUNTERMEASURE MATERIAL AND STREAMBED MATERIAL SHALL BE SEALED WITH WSDOT STREAMBED FINE MATERIAL. SEE PROJECT SPECIFICATIONS.

5. STREAMBED MATERIAL SHALL BE INSTALLED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. PLACEMENT AND SPACING MAY VARY FROM THAT SHOWN ON THE PLANS TO ACCOMMODATE VARIABILITY IN STONE SIZES AND SHAPES.

STREAMBED FINES	
SIEVE SIZE	% PASSING
NO. 4	99 - 100
NO. 10	46 - 86
NO. 40	26 - 40
NO. 200	10 - 20

STREAMBED SEDIMENT GRADATION	
SIEVE SIZE	% PASSING
2.5"	99 - 100
2"	85 - 100
1"	50 - 82
0.5"	28 - 68
U.S. NO. 40	10 - 20
U.S. NO. 200	5.0 - 10

12" STREAMBED COBBLES GRADATION	
APPROXIMATE SIZE	PERCENT PASSING
12"	99-100
10"	70-90
5"	30-60
3/4"	10 MAX

STREAMBED BOULDERS	
ROCK SIZE	APPROXIMATE SIZE
TYPE 1	12" - 18"
TYPE 2	18" - 28"

No.	Revision	Date	By	App'd

nhc
12787 GATEWAY DRIVE SOUTH | TUKWILA | WA | 98168
www.nhcwater.com

STREAMBED DETAILS FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

Peter C. Brooks — State of Washington — 39829 — Registered Professional Engineer — 02/16/2026

DESIGNED: PCB
CHECKED: DGH
NOVEMBER 2025
45015-004

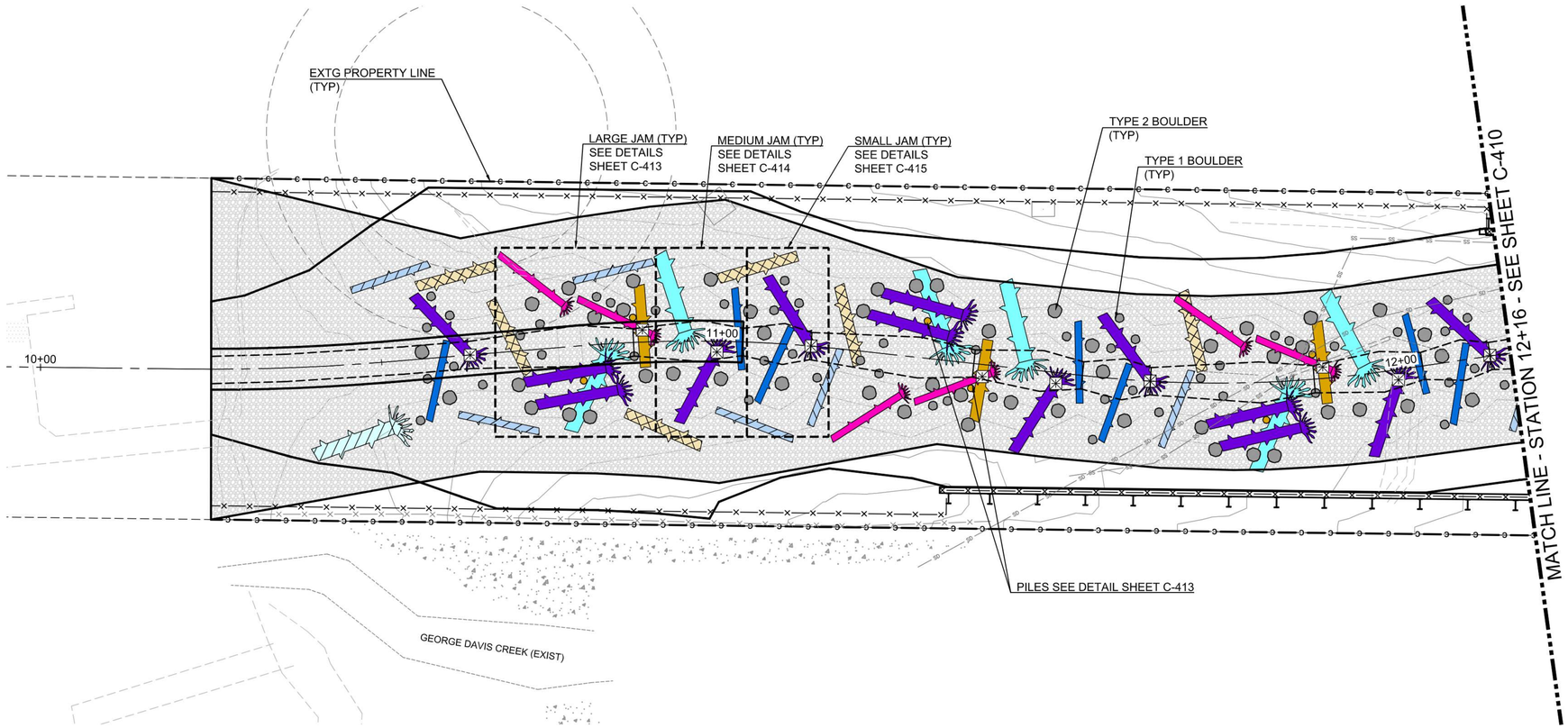
SHEET ID
C-408
SHEET 30 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-410_GDC-DTL-STEP_POOL.dwg Layout Tab: C-408 STREAMBED DETAILS User: Chris Henson CAD Plot Date/Time: 2/17/2026 10:46:30 AM
Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA

Scale 1" = 10'

0 5 10 20



GENERAL HABITAT NOTES:

1. DRAWINGS SHOW THE PROPOSED LOCATION OF THE LARGE WOODY MATERIAL. THE FINAL DESIGN MAY BE MODIFIED BY THE ENGINEER TO SUIT LOCAL CONDITIONS AND AVAILABLE MATERIALS. FURTHER MODIFICATIONS TO THIS DESIGN MAY BE MADE IN THE FIELD BY THE ENGINEER DURING CONSTRUCTION.
2. WOOD SPECIES FOR LARGE WOODY MATERIAL (LWM) PIECES SHALL BE GREEN (NOT STOCKPILED) DOUGLAS FIR UNLESS OTHERWISE SPECIFIED. NO DIMENSIONAL BEAMS OR TIMBERS, HEMLOCK, ALDER, OR OTHER DECIDUOUS TREE SPECIES SHALL BE USED.
3. WSDOT STREAMBED TYPE ONE AND TYPE TWO BOULDERS WILL BE PLACED AS DIRECTED BY THE ENGINEER DURING PLACEMENT OF STREAMBED MATERIAL AND LWM.
4. LOCAL EXCAVATION SHALL BE PERFORMED PRIOR TO, DURING, AND AFTER PLACEMENT OF LWM AS DIRECTED BY THE ENGINEER. STREAMBED SEALING SHALL BE MAINTAINED.
5. TYPICAL DESIGNS ARE MEANT AS A GUIDE ONLY. MODIFICATION TO SUIT SITE CONDITIONS WILL LIKELY BE REQUIRED.

LWM CONTROL POINTS ⊠		QUANTITIES*		
LOG/JAM TYPE	CENTERLINE STATION	BOULDER BALLAST (TYPE 3)**	MECH. CONNECTIONS ***	SLASH (CY)
SMALL	10+63	1	1	3
LARGE	10+88	4	8	6
MEDIUM	10+99	2	2	4
SMALL	11+13	1	1	3
LARGE	11+38	4	8	6
MEDIUM	11+49	2	2	4
SMALL	11+63	1	1	3
LARGE	11+88	4	8	6
MEDIUM	11+99	2	2	4
SMALL	12+13	1	1	3

* SEE DETAILS SHEETS C-413 - C-417
** SEE PROJECT SPECIAL PROVISION
*** INCL. LOG TO LOG AND LOG TO BOULDER CONNECTIONS, SEE DETAILS SHEET C-418

PROPOSED STREAM FEATURES LEGEND					QTY
LOG ID #	DBH (IN)*	L (FT)**	RW		
Ar	24	12	Y		6
Ar (BURIED)	24	12	Y		1
Br	16	12	Y		13
B	16	12	N		3
B (BURIED)	16	12	N		6
Cr	10	12	Y		6
C	10	12	N		7
C (BURIED)	10	12	N		6
PILE	10	14	N		6
SLASH					
BOULDERS, TYPE 1	12" - 18"				52
BOULDERS, TYPE 2	18" - 28"				50
STREAMBED MIX					
CUT LINE				C C	
FILL LINE				F F	

* DIAMETER BREAST HEIGHT (DBH) +/- 2IN
** MEASURED FROM STEM TO ROOT COLLAR
*** SEE NOTES SHEET C-408

Conformed Set

No.	Revision	Date	By	App'd

nhc
12787 GATEWAY DRIVE SOUTH | TUKWILA | WA | 98168
www.nhcwater.com

LARGE WOOD LAYOUT PLAN - LAKE END FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

Peter C. Brooks STATE OF WASHINGTON 39829 REGISTERED PROFESSIONAL ENGINEER 02/16/2026

DESIGNED: PCB
CHECKED: DGH
NOVEMBER 2025
45015-004

SHEET ID
C-409
SHEET 31 OF 108

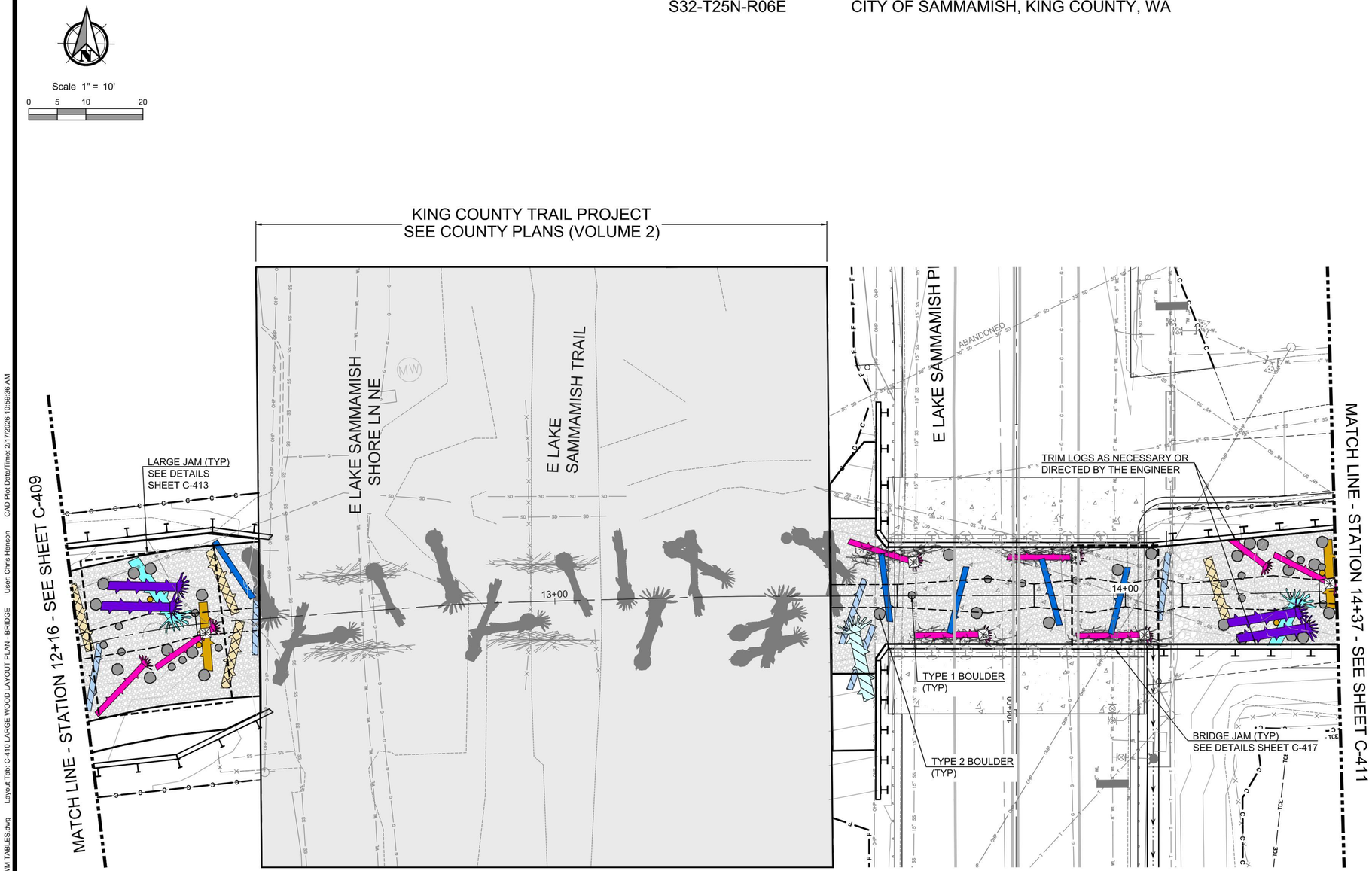
Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-411-C414_GDC_LWM TABLES.dwg Layout Tab: C-409 LARGE WOOD LAYOUT PLAN - LAKE END User: Chris Henson CAD Plot Date/Time: 2/17/2026 10:59:23 AM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA

Scale 1" = 10'

0 5 10 20



GENERAL HABITAT NOTES:

1. DRAWINGS SHOW THE PROPOSED LOCATION OF THE LARGE WOODY MATERIAL. THE FINAL DESIGN MAY BE MODIFIED BY THE ENGINEER TO SUIT LOCAL CONDITIONS AND AVAILABLE MATERIALS. FURTHER MODIFICATIONS TO THIS DESIGN MAY BE MADE IN THE FIELD BY THE ENGINEER DURING CONSTRUCTION.
2. WOOD SPECIES FOR LARGE WOODY MATERIAL (LWM) PIECES SHALL BE GREEN (NOT STOCKPILED) DOUGLAS FIR UNLESS OTHERWISE SPECIFIED. NO DIMENSIONAL BEAMS OR TIMBERS, HEMLOCK, ALDER, OR OTHER DECIDUOUS TREE SPECIES SHALL BE USED.
3. WSDOT STREAMBED TYPE ONE AND TYPE TWO BOULDERS WILL BE PLACED AS DIRECTED BY THE ENGINEER DURING PLACEMENT OF STREAMBED MATERIAL AND LWM.
4. LOCAL EXCAVATION SHALL BE PERFORMED PRIOR TO, DURING, AND AFTER PLACEMENT OF LWM AS DIRECTED BY THE ENGINEER. STREAMBED SEALING SHALL BE MAINTAINED.
5. TYPICAL DESIGNS ARE MEANT AS A GUIDE ONLY. MODIFICATION TO SUIT SITE CONDITIONS WILL LIKELY BE REQUIRED.

LWM CONTROL POINTS		QUANTITIES*		
LOG/JAM TYPE	CENTERLINE STATION	BOULDER BALLAST (TYPE 3)**	MECH. CONNECTIONS ***	SLASH (CY)
LARGE	12+38	4	8	6
BRIDGE	13+63	2	3	4
BRIDGE	13+75	2	3	4
BRIDGE	13+91	2	3	4
BRIDGE	14+03	2	3	4
LARGE	14+36	4	8	6

* SEE DETAILS SHEETS C-413 - C-417
** SEE PROJECT SPECIAL PROVISION
*** INCL. LOG TO LOG AND LOG TO BOULDER CONNECTIONS, SEE DETAILS SHEET C-418

PROPOSED STREAM FEATURES LEGEND					QTY
LOG ID #	DBH (IN)*	L (FT)**	RW		
Ar	24	12	Y		2
Ar (BURIED)	24	12	Y		1
Br	16	12	Y		4
B	16	12	N		2
B (BURIED)	16	12	N		4
Cr	10	12	Y		8
C	10	12	N		5
C (BURIED)	10	12	N		5
PILE	10	14	N		4
SLASH					
BOULDERS, TYPE 1	12" - 18"				18
BOULDERS, TYPE 2	18" - 28"				35
STREAMBED MIX					
CUT LINE				C C	
FILL LINE				F F	

* DIAMETER BREAST HEIGHT (DBH) +/- 2IN
** MEASURED FROM STEM TO ROOT COLLAR
*** SEE NOTES SHEET C-408

Conformed Set

No.	Revision	Date	By	App'd

nhc
12787 GATEWAY DRIVE SOUTH | TUKWILA | WA | 98168
www.nhcwater.com

LARGE WOOD LAYOUT PLAN - BRIDGE FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

Peter C. Brooks — State of Washington — 39829 — Registered Professional Engineer — 02/16/2026

DESIGNED: PCB
CHECKED: DGH
NOVEMBER 2025
45015-004

SHEET ID
C-410
SHEET 32 OF 108

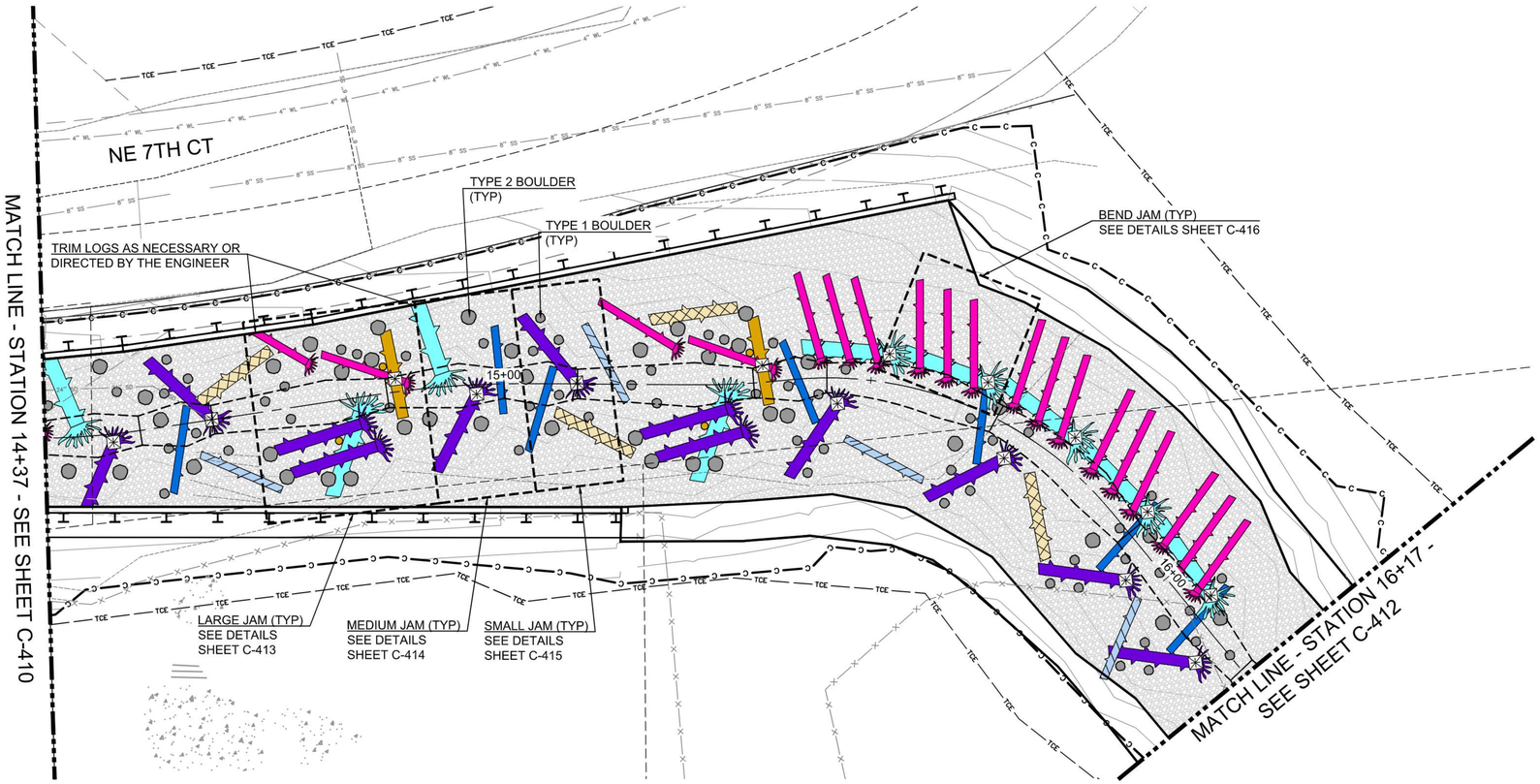
Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-411-C414_GDC_LWM TABLES.dwg Layout Tab: C-410 LARGE WOOD LAYOUT PLAN - BRIDGE User: Chris Henson CAD Plot Date/Time: 2/17/2026 10:59:36 AM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA

Scale 1" = 10'

0 5 10 20



GENERAL HABITAT NOTES:

1. DRAWINGS SHOW THE PROPOSED LOCATION OF THE LARGE WOODY MATERIAL. THE FINAL DESIGN MAY BE MODIFIED BY THE ENGINEER TO SUIT LOCAL CONDITIONS AND AVAILABLE MATERIALS. FURTHER MODIFICATIONS TO THIS DESIGN MAY BE MADE IN THE FIELD BY THE ENGINEER DURING CONSTRUCTION.
2. WOOD SPECIES FOR LARGE WOODY MATERIAL (LWM) PIECES SHALL BE GREEN (NOT STOCKPILED) DOUGLAS FIR UNLESS OTHERWISE SPECIFIED. NO DIMENSIONAL BEAMS OR TIMBERS, HEMLOCK, ALDER, OR OTHER DECIDUOUS TREE SPECIES SHALL BE USED.
3. WSDOT STREAMBED TYPE ONE AND TYPE TWO BOULDERS WILL BE PLACED AS DIRECTED BY THE ENGINEER DURING PLACEMENT OF STREAMBED MATERIAL AND LWM.
4. LOCAL EXCAVATION SHALL BE PERFORMED PRIOR TO, DURING, AND AFTER PLACEMENT OF LWM AS DIRECTED BY THE ENGINEER. STREAMBED SEALING SHALL BE MAINTAINED.
5. TYPICAL DESIGNS ARE MEANT AS A GUIDE ONLY. MODIFICATION TO SUIT SITE CONDITIONS WILL LIKELY BE REQUIRED.

LWM CONTROL POINTS		QUANTITIES*		
LOG/JAM TYPE	CENTERLINE STATION	BOULDER BALLAST (TYPE 3)**	MECH. CONNECTIONS ***	SLASH (CY)
MEDIUM	14+46	2	2	4
SMALL	14+60	1	1	3
LARGE	14+85	4	8	6
MEDIUM	14+96	2	2	4
SMALL	15+10	1	1	3
LARGE	15+35	4	8	6
SMALL	15+45	1	1	3
BEND	15+52	1	4	4
BEND	15+65	1	4	4
SMALL	15+72	1	1	3
BEND	15+78	1	4	4
BEND	15+91	1	4	4
SMALL	15+97	1	1	3
BEND	16+06	1	4	4
SMALL	16+12	1	1	3

* SEE DETAILS SHEETS C-413 - C-417
** SEE PROJECT SPECIAL PROVISION
*** INCL. LOG TO LOG AND LOG TO BOULDER CONNECTIONS, SEE DETAILS SHEET C-418

PROPOSED STREAM FEATURES LEGEND					QTY
LOG ID #	DBH (IN)*	L (FT)**	RW		
Ar	24	12	Y		9
Ar (BURIED)	24	12	Y		0
Br	16	12	Y		12
B	16	12	N		2
B (BURIED)	16	12	N		4
Cr	10	12	Y		19
C	10	12	N		7
C (BURIED)	10	12	N		4
PILE	10	14	N		4
SLASH					
BOULDERS, TYPE 1	12" - 18"				55
BOULDERS, TYPE 2	18" - 28"				45
STREAMBED MIX					
CUT LINE				C C	
FILL LINE				F F	

* DIAMETER BREAST HEIGHT (DBH) +/- 2IN
** MEASURED FROM STEM TO ROOT COLLAR
*** SEE NOTES SHEET C-408

Conformed Set

No.	Revision	Date	By	App'd

nhc
12787 GATEWAY DRIVE SOUTH | TUKWILA | WA | 98168
www.nhcwater.com

LARGE WOOD LAYOUT PLAN - EAST BRIDGE FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

Peter C. Brooks — State of Washington — 39829 — Registered Professional Engineer — 02/16/2026

DESIGNED: PCB
CHECKED: DGH
NOVEMBER 2025
45015-004

SHEET ID
C-411
SHEET 33 OF 108

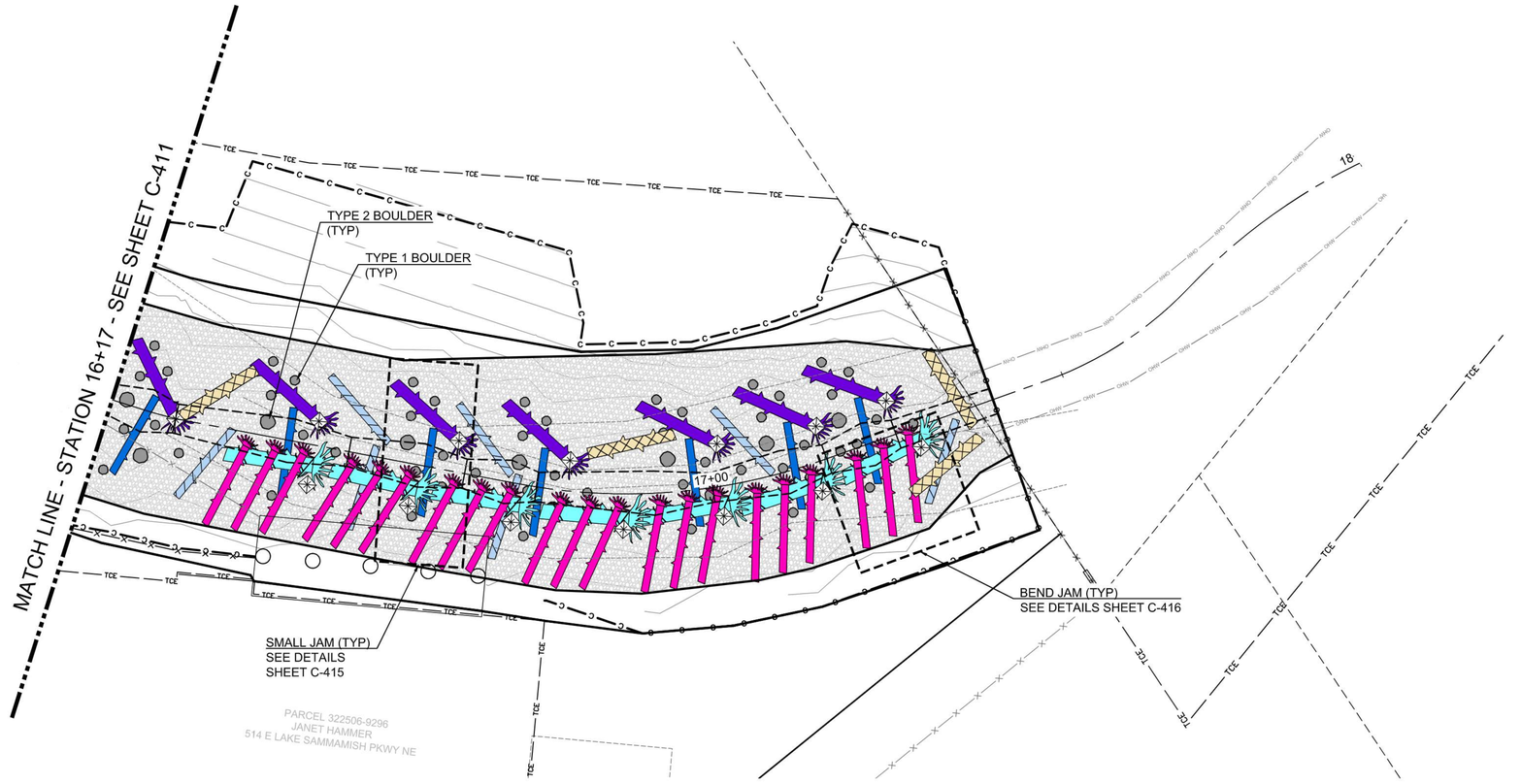
Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\WorkingSheets\C-411-C414_GDC_LWM TABLES.dwg Layout Tab: C-411 LARGE WOOD LAYOUT PLAN - EAST BRIDGE User: Chris Henson CAD Plot Date/Time: 2/17/2026 10:59:51 AM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA

Scale 1" = 10'

0 5 10 20



GENERAL HABITAT NOTES:

1. DRAWINGS SHOW THE PROPOSED LOCATION OF THE LARGE WOODY MATERIAL. THE FINAL DESIGN MAY BE MODIFIED BY THE ENGINEER TO SUIT LOCAL CONDITIONS AND AVAILABLE MATERIALS. FURTHER MODIFICATIONS TO THIS DESIGN MAY BE MADE IN THE FIELD BY THE ENGINEER DURING CONSTRUCTION.
2. WOOD SPECIES FOR LARGE WOODY MATERIAL (LWM) PIECES SHALL BE GREEN (NOT STOCKPILED) DOUGLAS FIR UNLESS OTHERWISE SPECIFIED. NO DIMENSIONAL BEAMS OR TIMBERS, HEMLOCK, ALDER, OR OTHER DECIDUOUS TREE SPECIES SHALL BE USED.
3. WSDOT STREAMBED TYPE ONE AND TYPE TWO BOULDERS WILL BE PLACED AS DIRECTED BY THE ENGINEER DURING PLACEMENT OF STREAMBED MATERIAL AND LWM.
4. LOCAL EXCAVATION SHALL BE PERFORMED PRIOR TO, DURING, AND AFTER PLACEMENT OF LWM AS DIRECTED BY THE ENGINEER. STREAMBED SEALING SHALL BE MAINTAINED.
5. TYPICAL DESIGNS ARE MEANT AS A GUIDE ONLY. MODIFICATION TO SUIT SITE CONDITIONS WILL LIKELY BE REQUIRED.

LWM CONTROL POINTS		QUANTITIES*		
LOG/JAM TYPE	CENTERLINE STATION	BOULDER BALLAST (TYPE 3)**	MECH. CONNECTIONS ***	SLASH (CY)
SMALL	16+26	1	1	3
BEND	16+45	1	4	4
SMALL	16+45	1	1	3
BEND	16+59	1	4	4
SMALL	16+64	1	1	3
BEND	16+73	1	4	4
SMALL	16+80	1	1	3
BEND	16+88	1	4	4
BEND	17+01	1	4	4
SMALL	17+02	1	1	3
BEND	17+14	1	4	4
SMALL	17+16	1	1	3
SMALL	17+26	1	1	3
BEND	17+29	1	4	4

* SEE DETAILS SHEETS C-413 - C-417
** SEE PROJECT SPECIAL PROVISION
*** INCL. LOG TO LOG AND LOG TO BOULDER CONNECTIONS, SEE DETAILS SHEET C-418

PROPOSED STREAM FEATURES LEGEND					QTY
LOG ID #	DBH (IN)*	L (FT)**	RW		
Ar	24	12	Y		7
Ar (BURIED)	24	12	Y		0
Br	16	12	Y		7
B	16	12	N		0
B (BURIED)	16	12	N		4
Cr	10	12	Y		21
C	10	12	N		7
C (BURIED)	10	12	N		7
PILE	10	14	N		0
SLASH					
BOULDERS, TYPE 1	12" - 18"				45
BOULDERS, TYPE 2	18" - 28"				15
STREAMBED MIX					
CUT LINE				C C	
FILL LINE				F F	

* DIAMETER BREAST HEIGHT (DBH) +/- 2IN
** MEASURED FROM STEM TO ROOT COLLAR
*** SEE NOTES SHEET C-408

Conformed Set

No.	Revision	Date	By	App'd

nhc
12787 GATEWAY DRIVE SOUTH | TUKWILA | WA | 98168
www.nhcwater.com

LARGE WOOD LAYOUT PLAN - EAST END
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

Peter C. Brooks — State of Washington — 39829 — Registered Professional Engineer — 02/16/2026

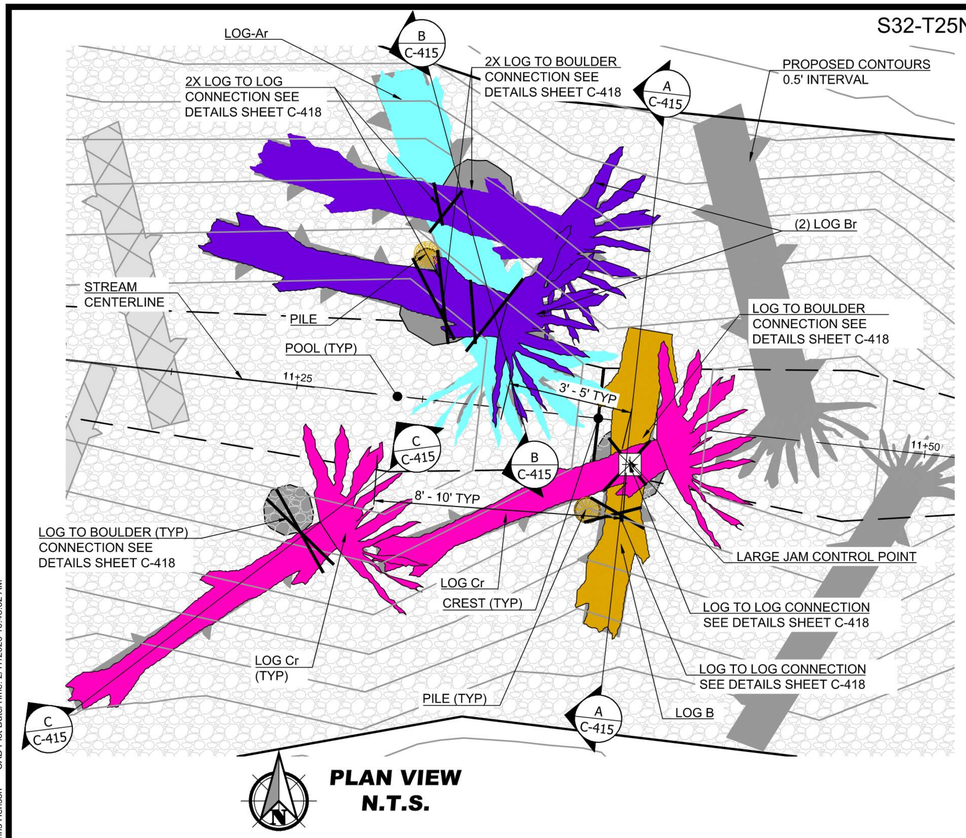
DESIGNED: PCB
CHECKED: DGH
NOVEMBER 2025
45015-004

SHEET ID
C-412
SHEET 34 OF 108

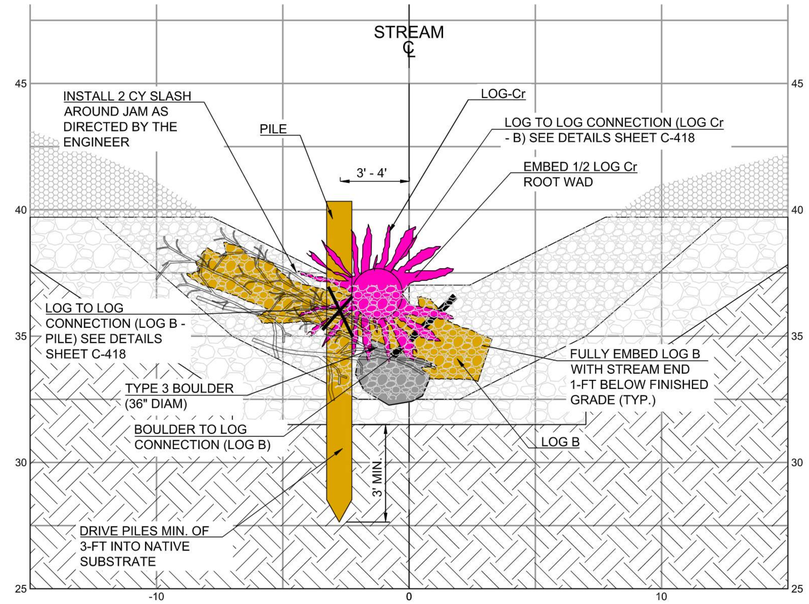
Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-411-C414_GDC_LWM TABLES.dwg Layout Tab: C-412 LARGE WOOD LAYOUT PLAN - EAST END User: Chris Henson CAD Plot Date/Time: 2/17/2026 11:00:05 AM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

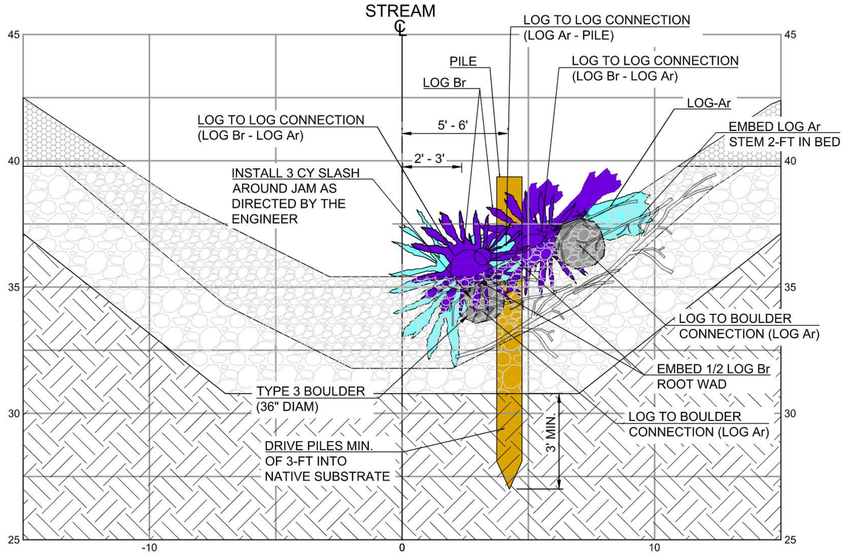
S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA



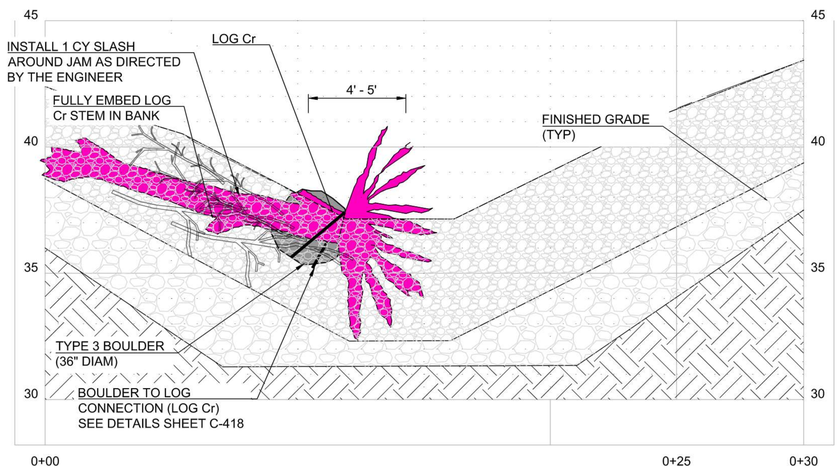
PLAN VIEW
N.T.S.



SECTION A-A
N.T.S.



SECTION B-B
N.T.S.



SECTION C-C
N.T.S.

DETAILS FOR LARGE JAM

Conformed Set

GENERAL NOTES:

1. WOOD SPECIES FOR LARGE WOODY MATERIAL (LWM) PIECES SHALL BE GREEN (NOT STOCKPILED) DOUGLAS FIR UNLESS OTHERWISE SPECIFIED. NO DIMENSIONAL BEAMS OR TIMBERS, HEMLOCK, ALDER, OR OTHER DECIDUOUS TREE SPECIES SHALL BE USED
2. DRAWINGS SHOW THE PROPOSED LOCATION OF THE LARGE WOODY MATERIAL. THE FINAL DESIGN MAY BE MODIFIED BY THE ENGINEER TO SUIT LOCAL CONDITIONS AND AVAILABLE MATERIALS. FURTHER MODIFICATIONS TO THIS DESIGN MAY BE MADE IN THE FIELD BY THE ENGINEER DURING CONSTRUCTION. REFER TO LWM CONTROL TABLE AND LOG SCHEDULE ON SHEETS C-409 TO C-412 FOR CONSTRUCTION DETAILS.
3. DETAILS ON THIS SHEET ARE TYPICAL. LWM, BOULDERS, AND THALWEG LOCATIONS ARE TO BE PLACED AS SHOWN ON THE PLANS AND RELATIVE TO THE STREAM CENTERLINE, CREST ELEVATION, OR POOL ELEVATION. MINOR CHANGES TO THE LWM CAN BE MADE IN THE FIELD BY THE ENGINEER
4. LOCAL EXCAVATION SHALL BE PERFORMED PRIOR TO, DURING, AND AFTER PLACEMENT OF LWM AS DIRECTED BY THE ENGINEER. STREAMBED SEALING SHALL BE MAINTAINED.
5. LOG JAMS SHALL BE SECURED IN PLACE BY BALLAST ANCHORS OR BURIAL AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER. LOG TO LOG CONNECTIONS AND LOG TO BALLAST CONNECTIONS SHALL BE MADE AS SHOWN IN THE PLANS AND AS DIRECTED BY THE ENGINEER. SEE LOG CONNECTION DETAILS SHEET C-418.
6. BALLAST ANCHORS SHALL BE WSDOT STREAMBED BOULDER TYPE 3. SEE PROJECT SPECIAL PROVISIONS.
7. TYPICAL DESIGNS ARE MEANT AS A GUIDE ONLY. MODIFICATION TO SUIT SITE CONDITIONS WILL LIKELY BE REQUIRED.

PROPOSED STREAM FEATURES LEGEND				
LOG ID #	DBH. (IN)*	L (FT)**	RW	
Ar	24	12	Y	
Br	16	12	Y	
B	16	12	N	
Cr	10	12	Y	
C	10	12	N	
PILE	10	14	N	
SLASH				
BOULDERS, TYPE 1	12" - 18"			
BOULDERS, TYPE 2	18" - 28"			
STREAMBED MIX				C C F F
CUT LINE				
FILL LINE				

* DIAMETER BREAST HEIGHT (DBH) +/- 2IN
** MEASURED 4.5 FROM TOP OF ROOT COLLAR OR LARGEST END OF STEM

No.	Revision	Date	By	App'd

nhc
12787 GATEWAY DRIVE SOUTH | TUKWILA | WA | 98168
www.nhcwater.com

LARGE WOOD JAM DETAILS FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

Peter C. Brooks — State of Washington — 39829 — Registered Professional Engineer — 02/16/2026

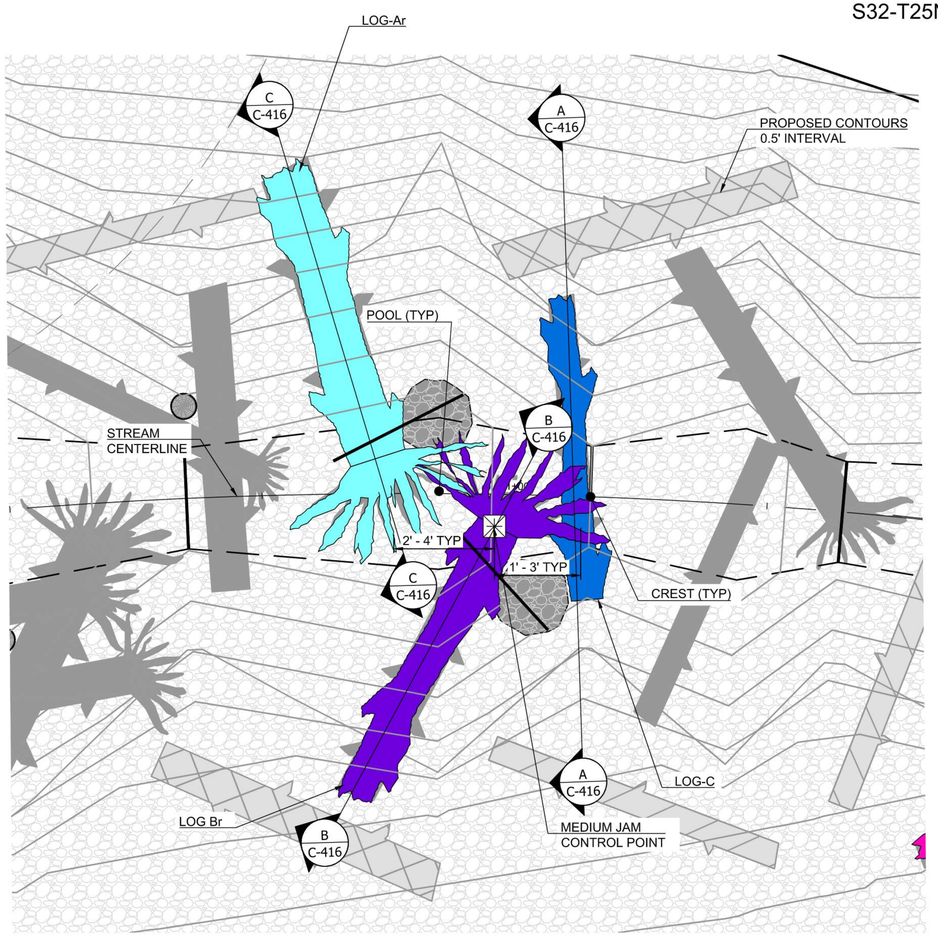
DESIGNED: PCB
CHECKED: DGH
NOVEMBER 2025
45015-004

SHEET ID
C-413
SHEET 35 OF 108

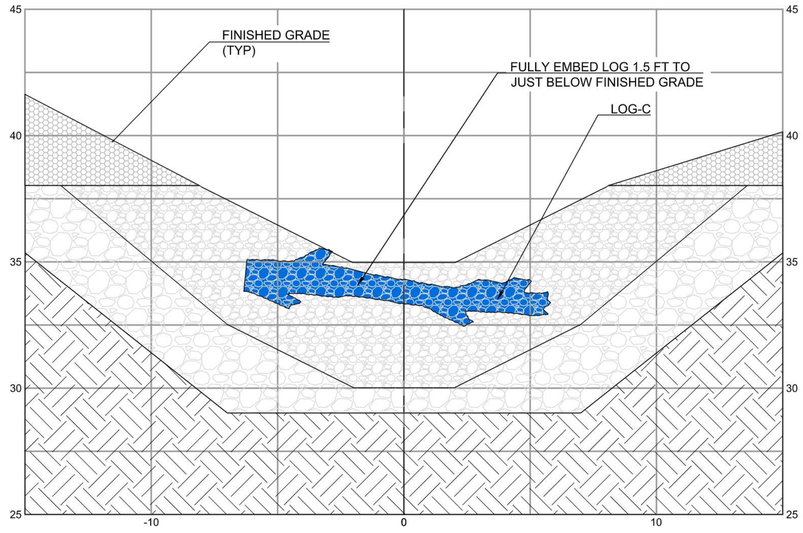
Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-415-C-419_GDC-DTL-LWM.dwg Layout Tab: C-413 LARGE WOOD JAM DETAILS User: Chris Henson CAD Plot Date/Time: 2/17/2026 10:48:32 AM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

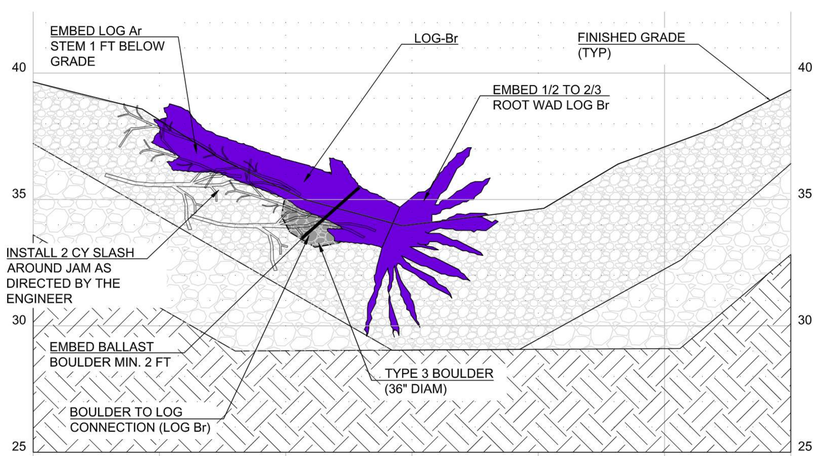
S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA



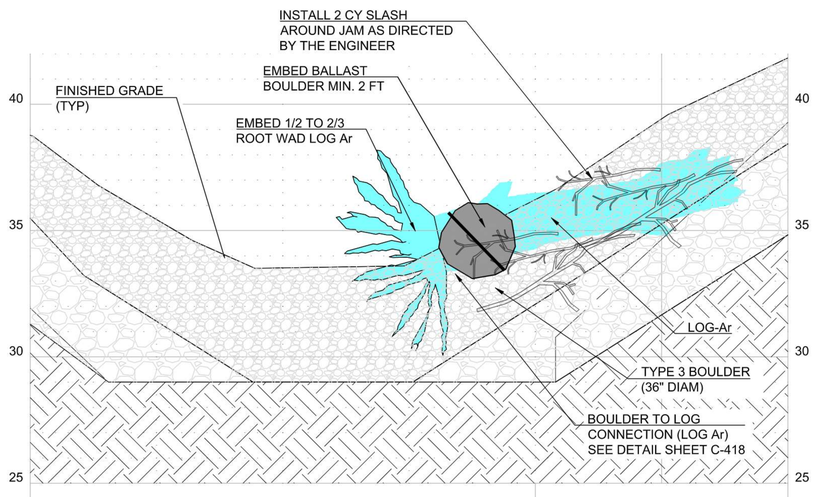
PLAN VIEW
N.T.S.



SECTION A-A
N.T.S.



SECTION B-B
N.T.S.



SECTION C-C
N.T.S.

DETAILS FOR MEDIUM JAM

Conformed Set

GENERAL NOTES:

1. WOOD SPECIES FOR LARGE WOODY MATERIAL (LWM) PIECES SHALL BE GREEN (NOT STOCKPILED) DOUGLAS FIR UNLESS OTHERWISE SPECIFIED. NO DIMENSIONAL BEAMS OR TIMBERS, HEMLOCK, ALDER, OR OTHER DECIDUOUS TREE SPECIES SHALL BE USED
2. DRAWINGS SHOW THE PROPOSED LOCATION OF THE LARGE WOODY MATERIAL. THE FINAL DESIGN MAY BE MODIFIED BY THE ENGINEER TO SUIT LOCAL CONDITIONS AND AVAILABLE MATERIALS. FURTHER MODIFICATIONS TO THIS DESIGN MAY BE MADE IN THE FIELD BY THE ENGINEER DURING CONSTRUCTION. REFER TO LWM CONTROL TABLE AND LOG SCHEDULE ON SHEETS C-409 TO C-412 FOR CONSTRUCTION DETAILS.
3. DETAILS ON THIS SHEET ARE TYPICAL. LWM, BOULDERS, AND THALWEG LOCATIONS ARE TO BE PLACED AS SHOWN ON THE PLANS AND RELATIVE TO THE STREAM CENTERLINE, CREST ELEVATION, OR POOL ELEVATION. MINOR CHANGES TO THE LWM CAN BE MADE IN THE FIELD BY THE ENGINEER
4. LOCAL EXCAVATION SHALL BE PERFORMED PRIOR TO, DURING, AND AFTER PLACEMENT OF LWM AS DIRECTED BY THE ENGINEER. STREAMBED SEALING SHALL BE MAINTAINED.
5. LOG JAMS SHALL BE SECURED IN PLACE BY BALLAST ANCHORS OR BURIAL AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER. LOG TO LOG CONNECTIONS AND LOG TO BALLAST CONNECTIONS SHALL BE MADE AS SHOWN IN THE PLANS AND AS DIRECTED BY THE ENGINEER. SEE LOG CONNECTION DETAILS SHEET C-418.
6. BALLAST ANCHORS SHALL BE WSDOT STREAMBED BOULDER TYPE 3. SEE PROJECT SPECIAL PROVISIONS.
7. TYPICAL DESIGNS ARE MEANT AS A GUIDE ONLY. MODIFICATION TO SUIT SITE CONDITIONS WILL LIKELY BE REQUIRED.

PROPOSED STREAM FEATURES LEGEND				
LOG ID #	DBH. (IN)*	L (FT)**	RW	
Ar	24	12	Y	
Br	16	12	Y	
B	16	12	N	
Cr	10	12	Y	
C	10	12	N	
PILE	10	14	N	
SLASH				
BOULDERS, TYPE 1	12" - 18"			
BOULDERS, TYPE 2	18" - 28"			
STREAMBED MIX				C C / F F
CUT LINE				
FILL LINE				

* DIAMETER BREAST HEIGHT (DBH) +/- 2IN
** MEASURED 4.5 FROM TOP OF ROOT COLLAR OR LARGEST END OF STEM

No.	Revision	Date	By	App'd

nhc
12787 GATEWAY DRIVE SOUTH | TUKWILA | WA | 98168
www.nhcwater.com

MEDIUM WOOD JAM DETAILS FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

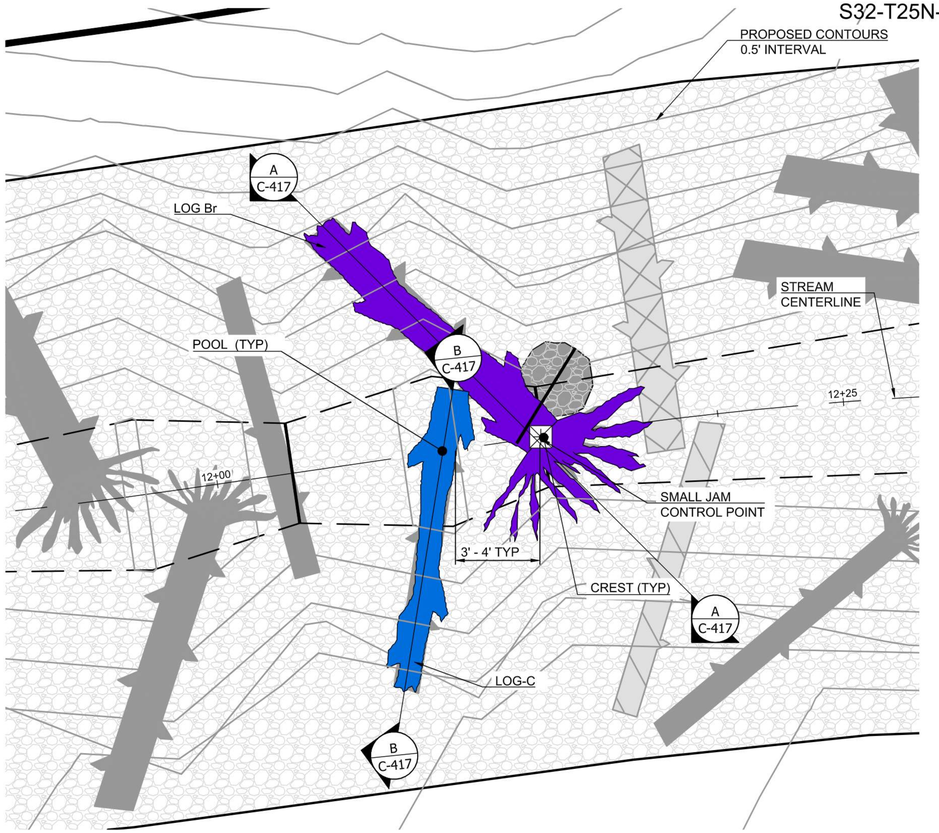
Peter C. Brooks — State of Washington — 39829 — Registered Professional Engineer — 02/16/2026

DESIGNED: PCB
CHECKED: DGH
NOVEMBER 2025
45015-004

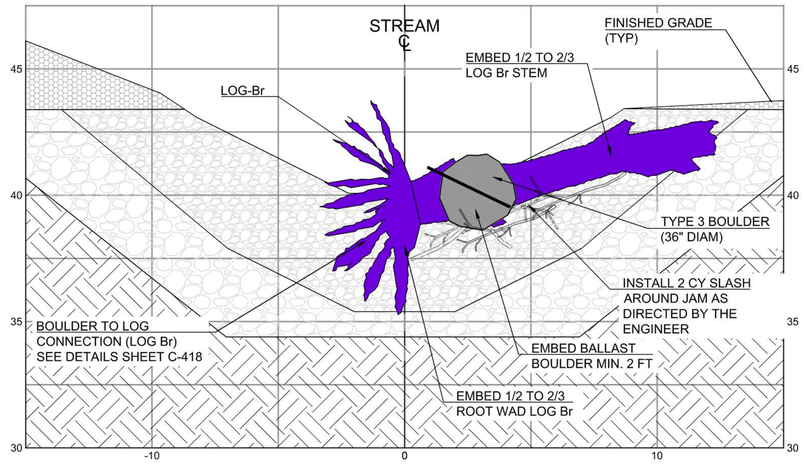
SHEET ID
C-414
SHEET 36 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-415-C-419_GDC-DTL-LWM.dwg Layout Tab: C-414 MEDIUM WOOD JAM DETAILS CAD Plot Date/Time: 2/17/2026 10:48:49 AM User: Chris Henson
Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

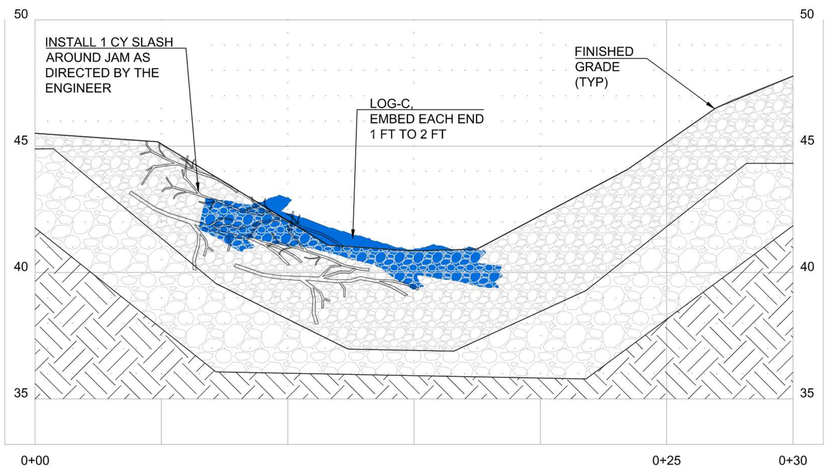
S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA



PLAN VIEW
N.T.S.



SECTION A-A
N.T.S.



SECTION B-B
N.T.S.

DETAILS FOR SMALL JAM

GENERAL NOTES:

1. WOOD SPECIES FOR LARGE WOODY MATERIAL (LWM) PIECES SHALL BE GREEN (NOT STOCKPILED) DOUGLAS FIR UNLESS OTHERWISE SPECIFIED. NO DIMENSIONAL BEAMS OR TIMBERS, HEMLOCK, ALDER, OR OTHER DECIDUOUS TREE SPECIES SHALL BE USED
2. DRAWINGS SHOW THE PROPOSED LOCATION OF THE LARGE WOODY MATERIAL. THE FINAL DESIGN MAY BE MODIFIED BY THE ENGINEER TO SUIT LOCAL CONDITIONS AND AVAILABLE MATERIALS. FURTHER MODIFICATIONS TO THIS DESIGN MAY BE MADE IN THE FIELD BY THE ENGINEER DURING CONSTRUCTION. REFER TO LWM CONTROL TABLE AND LOG SCHEDULE ON SHEETS C-409 TO C-412 FOR CONSTRUCTION DETAILS.
3. DETAILS ON THIS SHEET ARE TYPICAL. LWM, BOULDERS, AND THALWEG LOCATIONS ARE TO BE PLACED AS SHOWN ON THE PLANS AND RELATIVE TO THE STREAM CENTERLINE, CREST ELEVATION, OR POOL ELEVATION. MINOR CHANGES TO THE LWM CAN BE MADE IN THE FIELD BY THE ENGINEER
4. LOCAL EXCAVATION SHALL BE PERFORMED PRIOR TO, DURING, AND AFTER PLACEMENT OF LWM AS DIRECTED BY THE ENGINEER. STREAMBED SEALING SHALL BE MAINTAINED.
5. LOG JAMS SHALL BE SECURED IN PLACE BY BALLAST ANCHORS OR BURIAL AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER. LOG TO LOG CONNECTIONS AND LOG TO BALLAST CONNECTIONS SHALL BE MADE AS SHOWN IN THE PLANS AND AS DIRECTED BY THE ENGINEER. SEE LOG CONNECTION DETAILS SHEET C-418.
6. BALLAST ANCHORS SHALL BE WSDOT STREAMBED BOULDER TYPE 3. SEE PROJECT SPECIAL PROVISIONS.
7. TYPICAL DESIGNS ARE MEANT AS A GUIDE ONLY. MODIFICATION TO SUIT SITE CONDITIONS WILL LIKELY BE REQUIRED.

PROPOSED STREAM FEATURES LEGEND				
LOG ID #	DBH. (IN)*	L (FT)**	RW	
Ar	24	12	Y	
Br	16	12	Y	
B	16	12	N	
Cr	10	12	Y	
C	10	12	N	
PILE	10	14	N	
SLASH				
BOULDERS, TYPE 1	12" - 18"			
BOULDERS, TYPE 2	18" - 28"			
STREAMBED MIX				C C F F
CUT LINE				
FILL LINE				

* DIAMETER BREAST HEIGHT (DBH) +/- 2IN
** MEASURED 4.5 FROM TOP OF ROOT COLLAR OR LARGEST END OF STEM

Conformed Set

No.	Revision	Date	By	App'd

nhc
12787 GATEWAY DRIVE SOUTH | TUKWILA | WA | 98168
www.nhcwater.com

SMALL WOOD JAM DETAILS FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

Peter C. Brooks — State of Washington — 39829 — Registered Professional Engineer — 02/16/2026

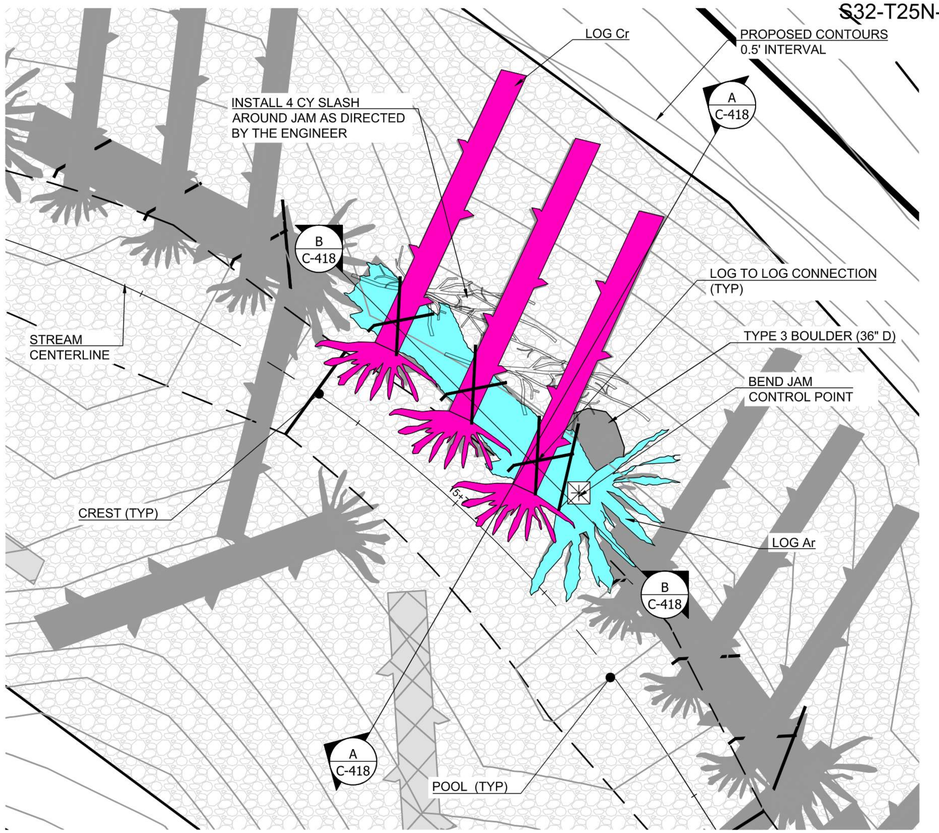
DESIGNED: PCB
CHECKED: DGH
NOVEMBER 2025
45015-004

SHEET ID
C-415
SHEET 37 OF 108

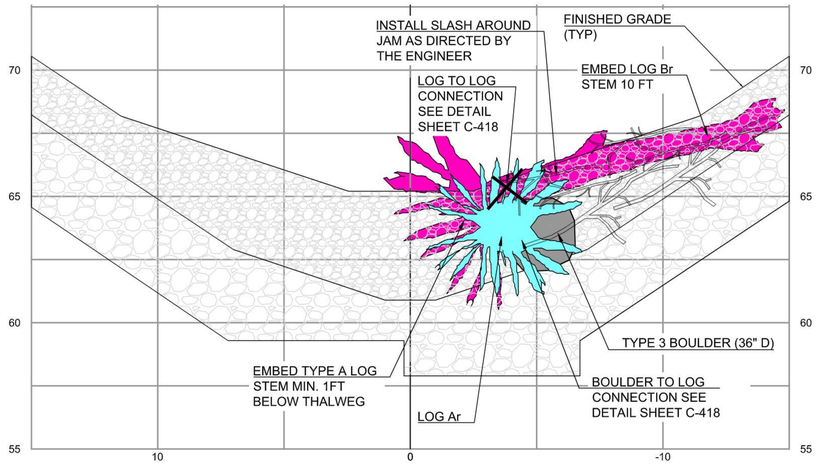
Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-415-C-419_GDC-DTL-LWM.dwg Layout Tab: C-415 SMALL WOOD JAM DETAILS User: Chris Henson CAD Plot Date/Time: 2/17/2026 10:49:02 AM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

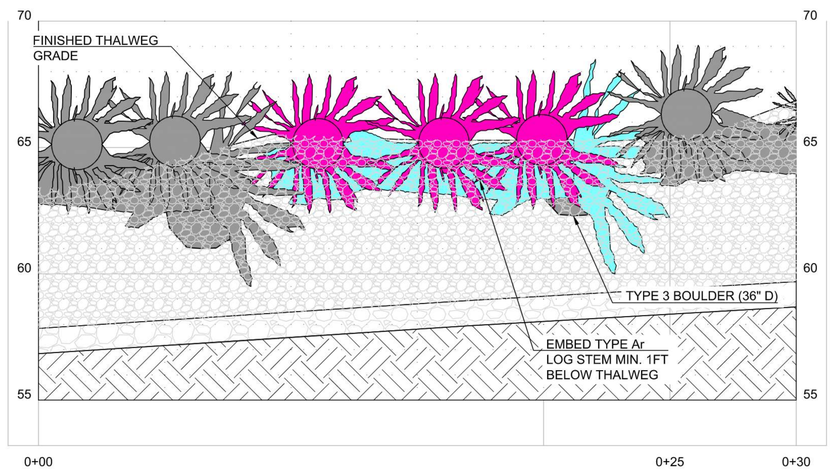
S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA



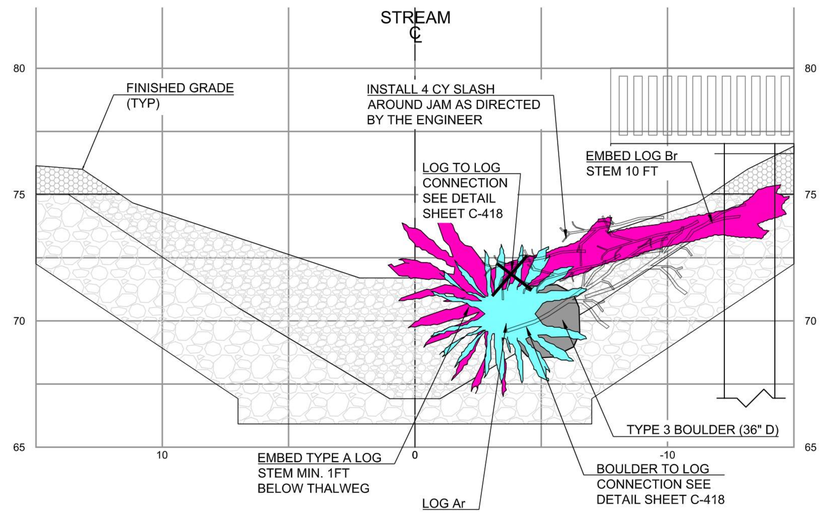
PLAN VIEW
N.T.S.



SECTION A-A
N.T.S.



SECTION B-B
N.T.S.



DECK SECTION
N.T.S.

DETAILS FOR BEND JAM LWM

Conformed Set

GENERAL NOTES:

1. WOOD SPECIES FOR LARGE WOODY MATERIAL (LWM) PIECES SHALL BE GREEN (NOT STOCKPILED) DOUGLAS FIR UNLESS OTHERWISE SPECIFIED. NO DIMENSIONAL BEAMS OR TIMBERS, HEMLOCK, ALDER, OR OTHER DECIDUOUS TREE SPECIES SHALL BE USED
2. DRAWINGS SHOW THE PROPOSED LOCATION OF THE LARGE WOODY MATERIAL. THE FINAL DESIGN MAY BE MODIFIED BY THE ENGINEER TO SUIT LOCAL CONDITIONS AND AVAILABLE MATERIALS. FURTHER MODIFICATIONS TO THIS DESIGN MAY BE MADE IN THE FIELD BY THE ENGINEER DURING CONSTRUCTION. REFER TO LWM CONTROL TABLE AND LOG SCHEDULE ON SHEETS C-409 TO C-412 FOR CONSTRUCTION DETAILS.
3. DETAILS ON THIS SHEET ARE TYPICAL. LWM, BOULDERS, AND THALWEG LOCATIONS ARE TO BE PLACED AS SHOWN ON THE PLANS AND RELATIVE TO THE STREAM CENTERLINE, CREST ELEVATION, OR POOL ELEVATION. MINOR CHANGES TO THE LWM CAN BE MADE IN THE FIELD BY THE ENGINEER
4. LOCAL EXCAVATION SHALL BE PERFORMED PRIOR TO, DURING, AND AFTER PLACEMENT OF LWM AS DIRECTED BY THE ENGINEER. STREAMBED SEALING SHALL BE MAINTAINED.
5. LOG JAMS SHALL BE SECURED IN PLACE BY BALLAST ANCHORS OR BURIAL AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER. LOG TO LOG CONNECTIONS AND LOG TO BALLAST CONNECTIONS SHALL BE MADE AS SHOWN IN THE PLANS AND AS DIRECTED BY THE ENGINEER. SEE LOG CONNECTION DETAILS SHEET C-418.
6. BALLAST ANCHORS SHALL BE WSDOT STREAMBED BOULDER TYPE 3. SEE PROJECT SPECIAL PROVISIONS.
7. TYPICAL DESIGNS ARE MEANT AS A GUIDE ONLY. MODIFICATION TO SUIT SITE CONDITIONS WILL LIKELY BE REQUIRED.

PROPOSED STREAM FEATURES LEGEND				
LOG ID #	DBH. (IN)*	L (FT)**	RW	
Ar	24	12	Y	
Br	16	12	Y	
B	16	12	N	
Cr	10	12	Y	
C	10	12	N	
PILE	10	14	N	
SLASH				
BOULDERS, TYPE 1	12" - 18"			
BOULDERS, TYPE 2	18" - 28"			
STREAMBED MIX				C C F F
CUT LINE				
FILL LINE				

* DIAMETER BREAST HEIGHT (DBH) +/- 2IN
** MEASURED 4.5 FROM TOP OF ROOT COLLAR OR LARGEST END OF STEM

No.	Revision	Date	By	App'd

nhc
12787 GATEWAY DRIVE SOUTH | TUKWILA | WA | 98168
www.nhcwater.com

BEND WOOD JAM DETAILS FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

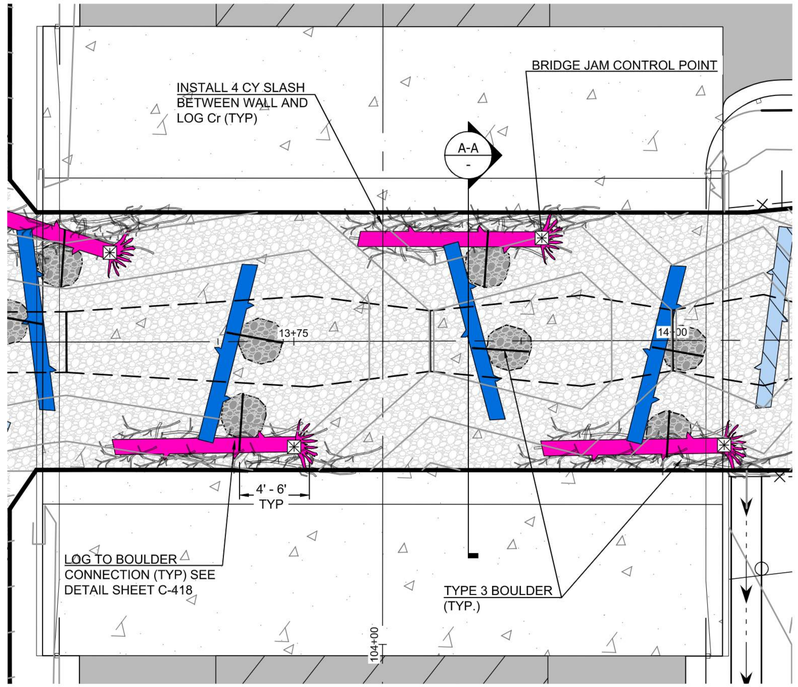
811 Know what's below. Call before you dig.

Peter C. Brooks — State of Washington — 39829 — Registered Professional Engineer — 02/16/2026

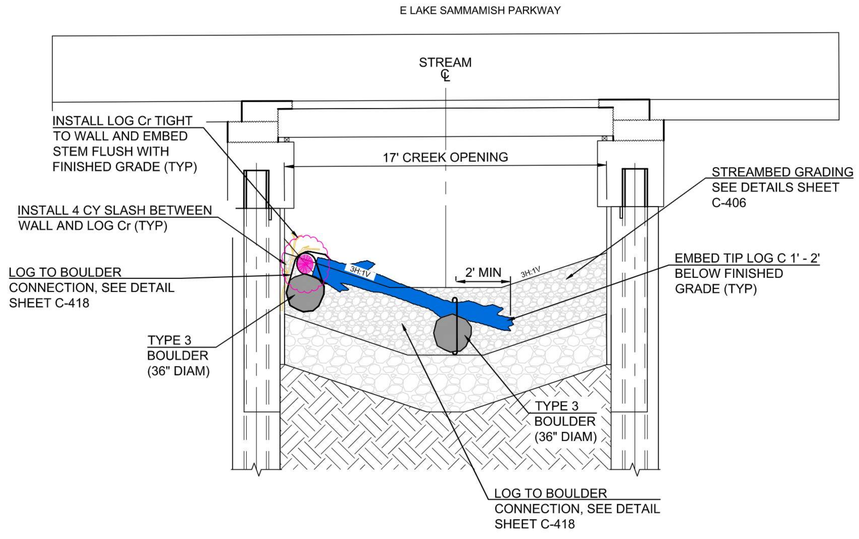
DESIGNED: PCB
CHECKED: DGH
NOVEMBER 2025
45015-004

SHEET ID
C-416
SHEET 38 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-415-C-419_GDC-DTL-LWM.dwg Layout Tab: C-416 BEND WOOD JAM DETAILS User: Chris Henson CAD Plot Date/Time: 2/17/2026 10:49:17 AM
Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.



PLAN VIEW
N.T.S.



SECTION A-A

DETAILS FOR BRIDGE WOOD JAM

GENERAL NOTES:

1. WOOD SPECIES FOR LARGE WOODY MATERIAL (LWM) PIECES SHALL BE GREEN (NOT STOCKPILED) DOUGLAS FIR UNLESS OTHERWISE SPECIFIED. NO DIMENSIONAL BEAMS OR TIMBERS, HEMLOCK, ALDER, OR OTHER DECIDUOUS TREE SPECIES SHALL BE USED
2. DRAWINGS SHOW THE PROPOSED LOCATION OF THE LARGE WOODY MATERIAL. THE FINAL DESIGN MAY BE MODIFIED BY THE ENGINEER TO SUIT LOCAL CONDITIONS AND AVAILABLE MATERIALS. FURTHER MODIFICATIONS TO THIS DESIGN MAY BE MADE IN THE FIELD BY THE ENGINEER DURING CONSTRUCTION. REFER TO LWM CONTROL TABLE AND LOG SCHEDULE ON SHEETS C-409 TO C-412 FOR CONSTRUCTION DETAILS.
3. DETAILS ON THIS SHEET ARE TYPICAL. LWM, BOULDERS, AND THALWEG LOCATIONS ARE TO BE PLACED AS SHOWN ON THE PLANS AND RELATIVE TO THE STREAM CENTERLINE, CREST ELEVATION, OR POOL ELEVATION. MINOR CHANGES TO THE LWM CAN BE MADE IN THE FIELD BY THE ENGINEER
4. LOCAL EXCAVATION SHALL BE PERFORMED PRIOR TO, DURING, AND AFTER PLACEMENT OF LWM AS DIRECTED BY THE ENGINEER. STREAMBED SEALING SHALL BE MAINTAINED.
5. LOG JAMS SHALL BE SECURED IN PLACE BY BALLAST ANCHORS OR BURIAL AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER. LOG TO LOG CONNECTIONS AND LOG TO BALLAST CONNECTIONS SHALL BE MADE AS SHOWN IN THE PLANS AND AS DIRECTED BY THE ENGINEER. SEE LOG CONNECTION DETAILS SHEET C-418.
6. BALLAST ANCHORS SHALL BE WSDOT STREAMBED BOULDER TYPE 3. SEE PROJECT SPECIAL PROVISIONS.
7. TYPICAL DESIGNS ARE MEANT AS A GUIDE ONLY. MODIFICATION TO SUIT SITE CONDITIONS WILL LIKELY BE REQUIRED.

PROPOSED STREAM FEATURES LEGEND				
LOG ID #	DBH. (IN)*	L (FT)**	RW	
Ar	24	12	Y	
Br	16	12	Y	
B	16	12	N	
Cr	10	12	Y	
C	10	12	N	
PILE	10	14	N	
SLASH				
BOULDERS, TYPE 1	12" - 18"			
BOULDERS, TYPE 2	18" - 28"			
STREAMBED MIX				C C F F
CUT LINE				
FILL LINE				

* DIAMETER BREAST HEIGHT (DBH) +/- 2IN
** MEASURED 4.5 FROM TOP OF ROOT COLLAR OR LARGEST END OF STEM

Conformed Set

No.	Revision	Date	By	App'd

nhc
12787 GATEWAY DRIVE SOUTH | TUKWILA | WA | 98168
www.nhcwater.com

BRIDGE WOOD JAM DETAILS FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

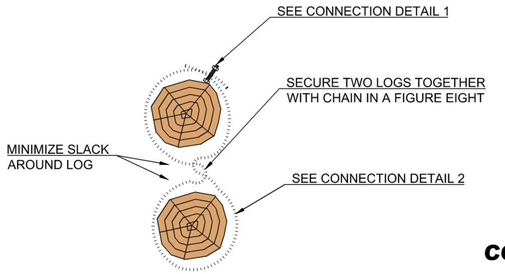
Peter C. Brooks — State of Washington — 39829 — Registered Professional Engineer — 02/16/2026

DESIGNED: PCB
CHECKED: DGH
NOVEMBER 2025
45015-004

SHEET ID
C-417
SHEET 39 OF 108

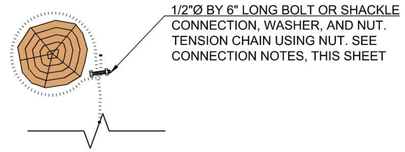
Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-415-C-419_GDC-DTL-LWM.dwg Layout Tab: C-417 BRIDGE WOOD JAM DETAILS User: Chris Henson CAD Plot Date/Time: 2/17/2026 10:49:30 AM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

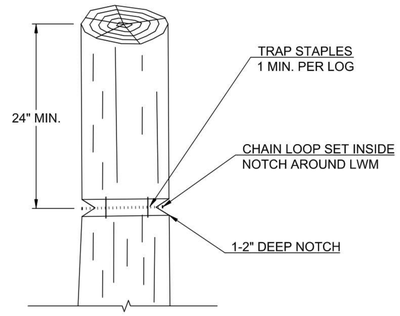


LOG TO LOG CONNECTION
N.T.S.

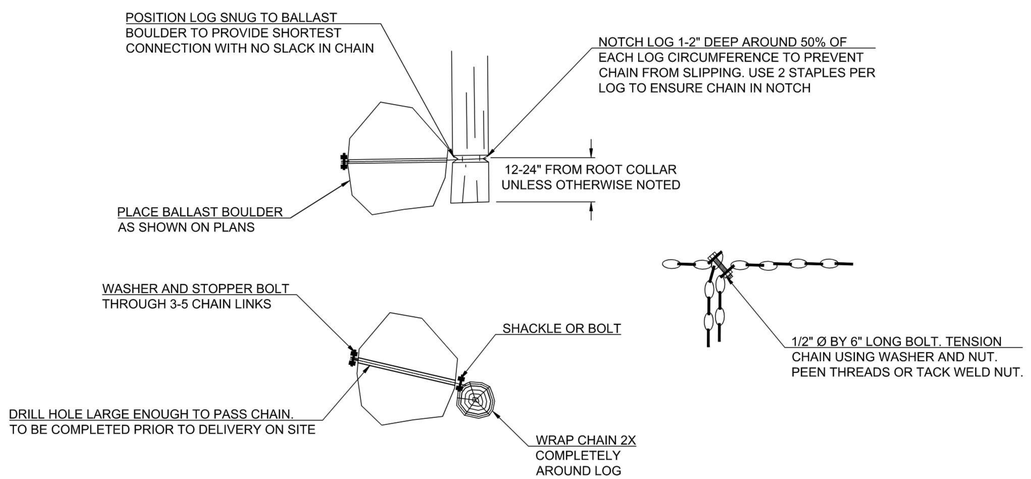
LOG TO LOG CONNECTIONS ARE MADE WHERE ONE LOG RESTS ON ANOTHER (MINIMAL GAP BETWEEN LOGS). SECURE CHAIN AROUND LOGS IN A FIGURE 8 SO THAT ANY LOG MOVEMENT WILL RESULT IN A TIGHTENING OF THE CONNECTION. LOG TO LOG CONNECTIONS ARE MADE BETWEEN 2 LOGS ONLY.



CONNECTION DETAIL 1
N.T.S.



CONNECTION DETAIL 2
N.T.S.



LOG TO BOULDER CONNECTION
N.T.S.

Conformed Set

No.	Revision	Date	By	App'd

nhc
12787 GATEWAY DRIVE SOUTH | TUKWILA | WA | 98168
www.nhcwater.com

MECHANICAL CONNECTION DETAILS FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

Peter C. Brooks — State of Washington — 39829 — Registered Professional Engineer — 02/16/2026

DESIGNED: PCB
CHECKED: DGH
NOVEMBER 2025
45015-004

SHEET ID
C-418
SHEET 40 OF 108

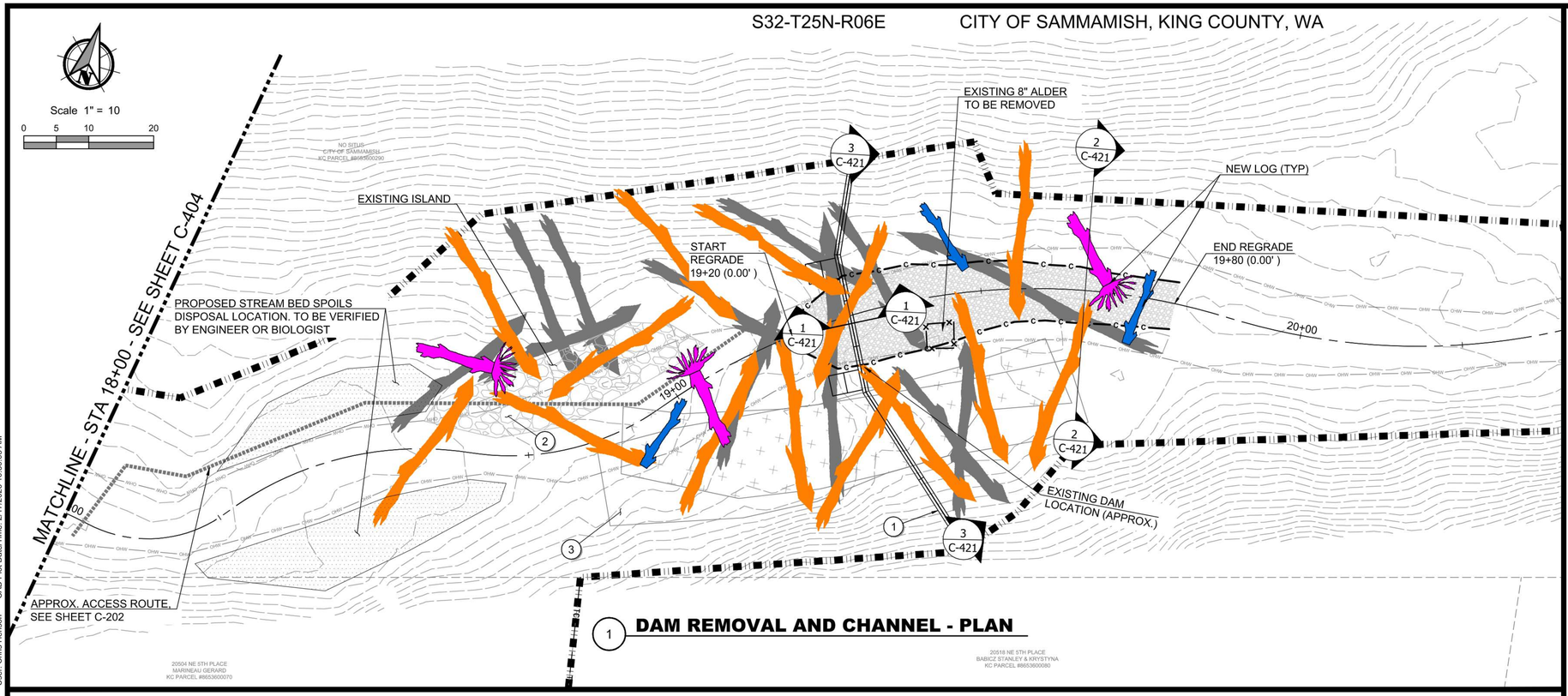
Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-415-C-419_GDC-DTL-LWM.dwg Layout Tab: C-418 MECHANICAL CONNECTION DETAILS User: Chris Henson CAD Plot Date/Time: 2/17/2026 10:49:38 AM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

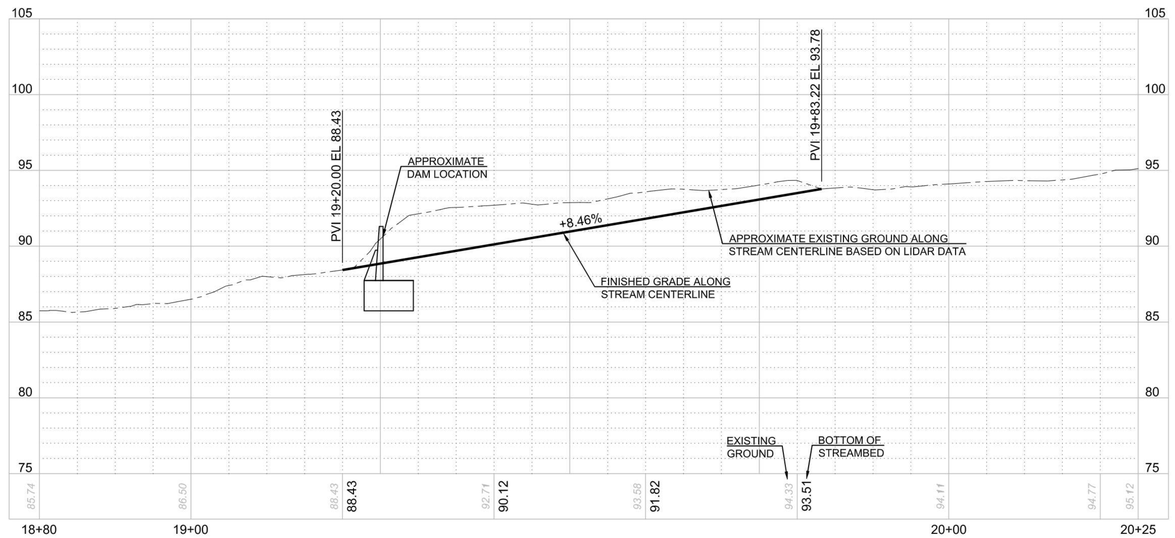
S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA

Scale 1" = 10

0 5 10 20



1 DAM REMOVAL AND CHANNEL - PLAN



2 DAM REMOVAL AND CHANNEL - PROFILE

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

Conformed Set

DAM REMOVAL CONSTRUCTION NOTES:

1. SEE SHEET C-420 FOR TYPICAL SECTIONS.
2. SEE SHEETS C-201 - C-202 FOR STREAM DIVERSION.
3. OHW SHOWN ON THIS SHEET ESTIMATED BASED ON CONTOURS.

DAM REMOVAL CONSTRUCTION SEQUENCE:

1. CLEAR AND GRUB ACCESS ROUTE AND STAGING AREA (BY HAND, RETAIN CUTTINGS FOR SLASH).
2. ISOLATE, DEFISH CREEK, AND INSTALL DEWATERING SYSTEM.
3. PRESERVE AND PROTECT ALL AREAS OUTSIDE OF CLEARING LIMITS.
4. CONTRACTOR SHALL COORDINATE WORK PERFORMED BY OTHERS.
5. DEMOLISH AND DISPOSE OF ALL DAM MATERIALS (ALTERNATIVE METHODS WILL BE CONSIDERED).
6. REGRADE CHANNEL
7. DISPOSE OF SPOILS AS INDICATED (D/S OF DAM OR IN D/S PROJECT REACH):
   A. FILL DAM FOUNDATION FOOTPRINT
   B. USE TO BALLAST REPOSITIONED WOOD
   C. USE IN D/S REACH
8. REPOSITION LWM (NEW AND EXISTING) AS SHOWN OR DIRECTED BY ENGINEER IN THE FIELD.
9. REMOVE/REPOSITION DEWATERING SYSTEM TO HEAD OF REACH, CALL OUT STATIONING.
10. REPLANT/MITIGATE. SEE SHEET PP-006 FOR SEEDING PREPARATION PLAN. SEE SHEET L-106 FOR LANDSCAPE PLAN

CONSTRUCTION PLAN NOTES:

1. EXISTING DAM
2. EXISTING GRAVEL BAR
3. PROPOSED STOCKPILE AND STAGING AREA

LEGEND:

EXISTING LARGE WOODY MATERIAL (LWM)

REPOSITIONED LWM

TREE PROTECTION —x—x—x—x—x—x—x—x—x—x—

ACCESS ROUTE

IMPACT LIMIT

PROPOSED STOCKPILE AND STAGING AREA

PROPOSED STREAM FEATURES LEGEND

LOG ID #	DBH (IN)*	L (FT)**	RW
Ar	24	12	Y
Br	16	12	Y
B	16	12	N
Cr	10	12	Y
C	10	12	N
PILE	10	14	N
SLASH			
BOULDERS, TYPE 1	12" - 18"		
BOULDERS, TYPE 2	18" - 28"		
STREAMBED MIX			
CUT LINE			C — C
FILL LINE			F — F

* DIAMETER BREAST HEIGHT (DBH) +/- 2IN
** MEASURED 4.5 FROM TOP OF ROOT COLLAR OR LARGEST END OF STEM

No.	Revision	Date	By	App'd

nhc
12787 GATEWAY DRIVE SOUTH | TUKWILA | WA | 98168
www.nhcwater.com

DAM STREAM PLAN, PROFILE, AND WOOD LAYOUT FOR: GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT

SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

Peter C. Brooks — State of Washington — 39829 — Registered Professional Engineer — 02/16/2026

DESIGNED: PCB
CHECKED: DGH
NOVEMBER 2025
45015-004

SHEET ID
C-419
SHEET 41 OF 108

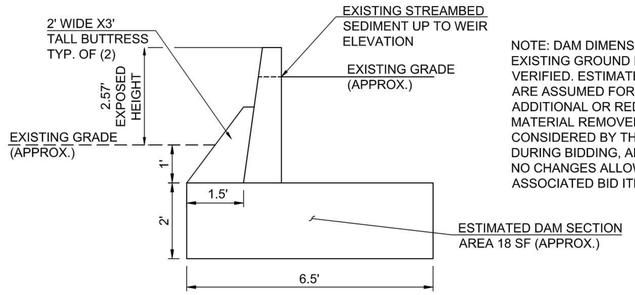
Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\WorkingSheets\C-420_GDC-DAM-PP.dwg Layout Tab: C-419 DAM STREAM PLAN PROFILE AND WOOD LAYOUT User: Chris Henson CAD Plot Date/Time: 2/17/2026 10:50:05 AM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA

Scale 1" = 10

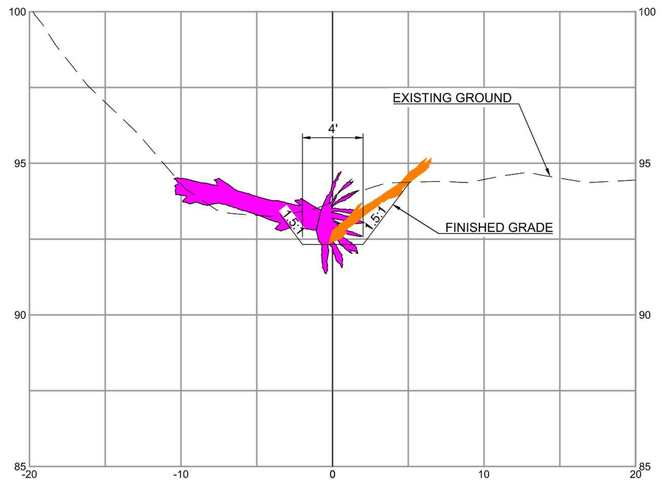
0 5 10 20



NOTE: DAM DIMENSIONS BELOW EXISTING GROUND HAVE NOT BEEN VERIFIED. ESTIMATED VALUES SHOWN ARE ASSUMED FOR BIDDING PURPOSES. ADDITIONAL OR REDUCED VOLUMES OF MATERIAL REMOVED SHALL BE CONSIDERED BY THE CONTRACTOR DURING BIDDING, AND THERE SHALL BE NO CHANGES ALLOWED TO THE ASSOCIATED BID ITEM PRICE.

1 A-A EXISTING DAM TYPICAL SECTION

NTS



2 B-B TYPICAL SECTION - CHANNEL REGRADING AT DAM REACH

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

DAM REMOVAL CONSTRUCTION NOTES:

1. SEE SHEET C-420 FOR TYPICAL SECTIONS.
2. SEE SHEETS C-201 - C-202 FOR STREAM DIVERSION.
3. OHW SHOWN ON THIS SHEET ESTIMATED BASED ON CONTOURS.

DAM REMOVAL CONSTRUCTION SEQUENCE:

1. CLEAR AND GRUB ACCESS ROUTE AND STAGING AREA (BY HAND, RETAIN CUTTINGS FOR SLASH).
2. ISOLATE, DEFISH CREEK, AND INSTALL DEWATERING SYSTEM.
3. PRESERVE AND PROTECT ALL AREAS OUTSIDE OF CLEARING LIMITS.
4. CONTRACTOR SHALL COORDINATE WORK PERFORMED BY OTHERS.
5. DEMOLISH AND DISPOSE OF ALL DAM MATERIALS (ALTERNATIVE METHODS WILL BE CONSIDERED).
6. REGRADE CHANNEL
7. DISPOSE OF SPOILS AS INDICATED (D/S OF DAM OR IN D/S PROJECT REACH):
   A. FILL DAM FOUNDATION FOOTPRINT
   B. USE TO BALLAST REPOSITIONED WOOD
   C. USE IN D/S REACH
8. REPOSITION LWM (NEW AND EXISTING) AS SHOWN OR DIRECTED BY ENGINEER IN THE FIELD.
9. REMOVE/REPOSITION DEWATERING SYSTEM TO HEAD OF REACH, CALL OUT STATIONING.
10. REPLANT/MITIGATE. SEE SHEET PP-006 FOR SEEDING PREPARATION PLAN. SEE SHEET L-106 FOR LANDSCAPE PLAN

CONSTRUCTION PLAN NOTES:

(1) EXISTING DAM
(2) EXISTING GRAVEL BAR
(3) PROPOSED STOCKPILE AND STAGING AREA

LEGEND:

EXISTING LARGE WOODY MATERIAL (LWM)

REPOSITIONED LWM

TREE PROTECTION —x—x—x—x—x—x—x—x—x—

ACCESS ROUTE

IMPACT LIMIT

PROPOSED STOCKPILE AND STAGING AREA

PROPOSED STREAM FEATURES LEGEND				
LOG ID #	DBH (IN)*	L (FT)**	RW	
Ar	24	12	Y	
Br	16	12	Y	
B	16	12	N	
Cr	10	12	Y	
C	10	12	N	
PILE	10	14	N	
SLASH				
BOULDERS, TYPE 1	12" - 18"			
BOULDERS, TYPE 2	18" - 28"			
STREAMBED MIX				
CUT LINE				C C
FILL LINE				F F

* DIAMETER BREAST HEIGHT (DBH) +/- 2IN
** MEASURED 4.5 FROM TOP OF ROOT COLLAR OR LARGEST END OF STEM

No.	Revision	Date	By	App'd

Conformed Set

nhc
12787 GATEWAY DRIVE SOUTH | TUKWILA | WA | 98168
www.nhcwater.com

DAM TYPICAL CHANNEL SECTIONS AND DETAILS FOR: GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT

SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

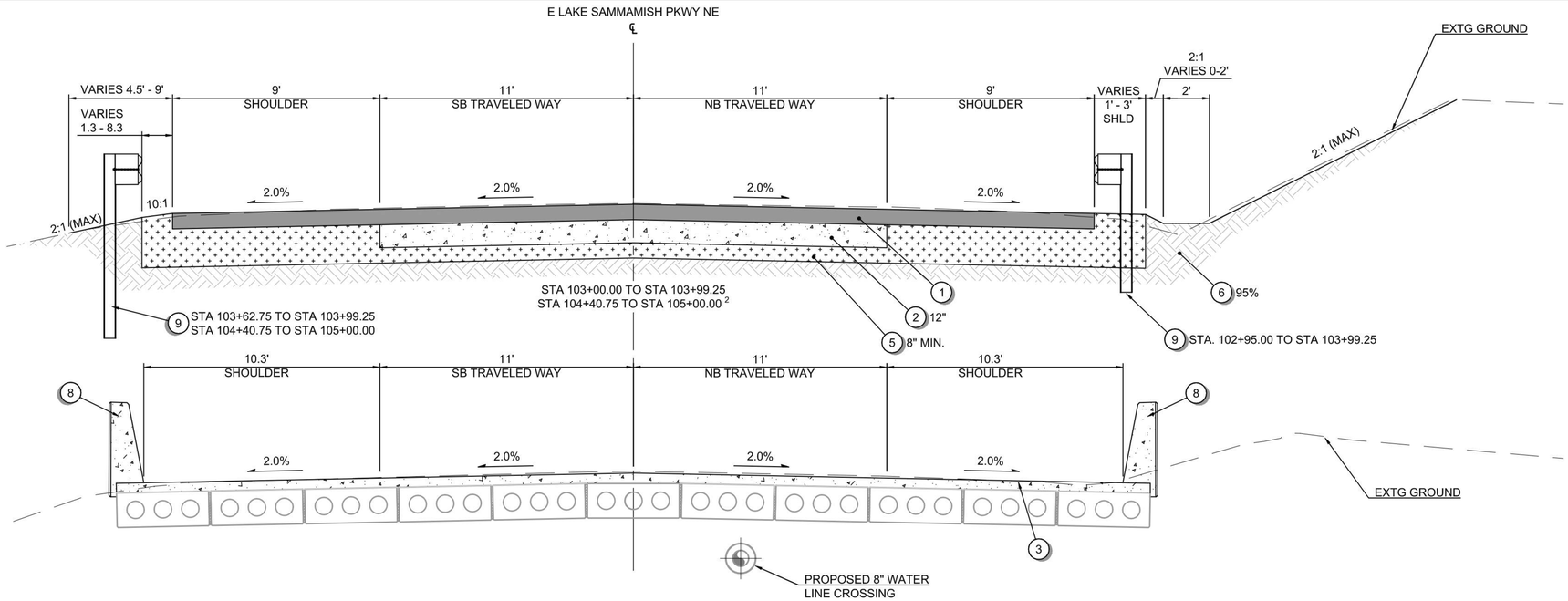
Peter C. Brooks — State of Washington — 39829 — Registered Professional Engineer — 02/16/2026

DESIGNED: PCB
CHECKED: DGH
NOVEMBER 2025
45015-004

SHEET ID
C-420
SHEET 42 OF 108

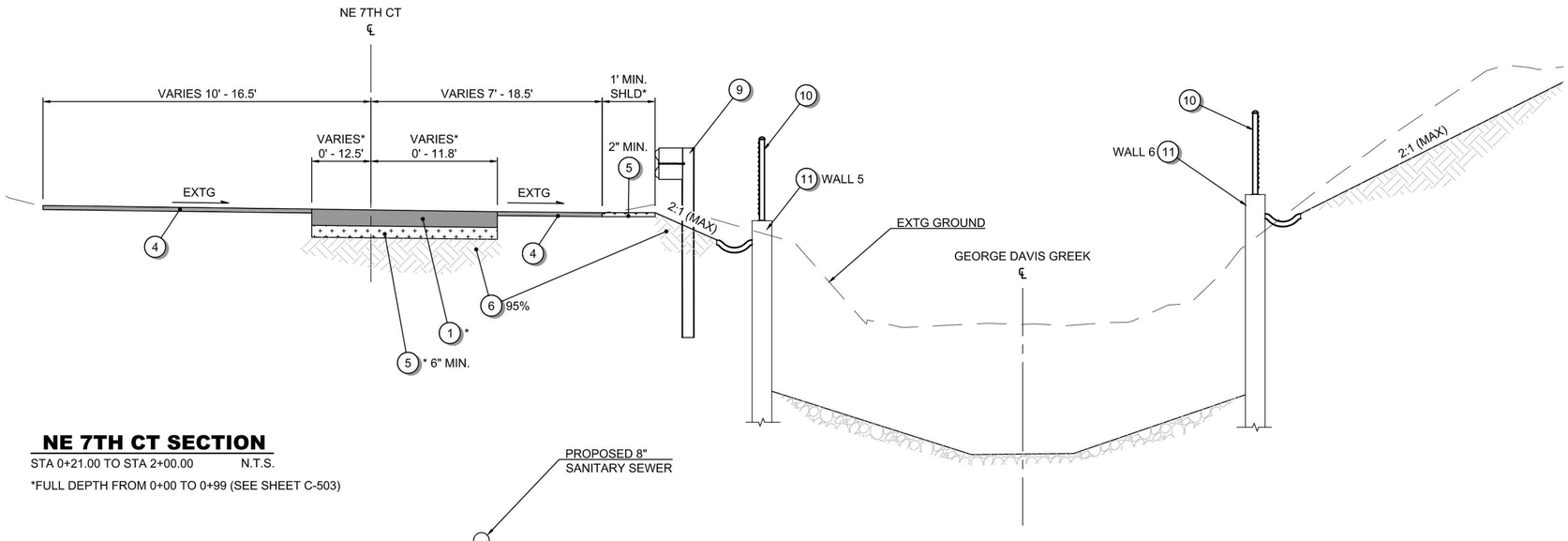
Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-420_GDC-DAM-PP.dwg Layout Tab: C-420 DAM TYPICAL CHANNEL SECTIONS AND DETAILS CAD Plot Date/Time: 2/17/2026 10:50:10 AM User: Chris Henson

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.



TYPICAL EAST LAKE SAMMAMISH PARKWAY SECTIONS

N.T.S.



NE 7TH CT SECTION

STA 0+21.00 TO STA 2+00.00 N.T.S.

*FULL DEPTH FROM 0+00 TO 0+99 (SEE SHEET C-503)

GENERAL NOTES:

1. TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) SHALL BE INSTALLED PRIOR TO DEMOLITION ACTIVITIES. SEE SHEETS C-201 TO C-203.
2. EAST LAKE SAMMAMISH TRAIL AND EAST LAKE SAMMAMISH SHORE LANE CULVERTS ARE BEING REPLACED BY KING COUNTY UNDER THIS CONTRACT AND WITH A SEPARATE PERMIT.
3. PRESERVE AND PROTECT ALL IMPROVEMENTS OUTSIDE OF CLEARING LIMITS.
4. CONTRACTOR SHALL COORDINATE WORK PERFORMED BY OTHERS.

CONSTRUCTION NOTES:

1. 2" HMA OVER 6" HMA (CLASS 1/2" PG 58H-22)
2. CLASS 5000 PSI CEMENT CONCRETE PAVEMENT PER WSDOT STANDARD PLAN A-60.10, SEE SHEET C-508.
3. BRIDGE DECK, SEE BRDIGE PLANS BR-501 TO BR-515 FOR DETAILS.
4. PLANING BITUMINOUS PAVEMENT AND 2" HMA CLASS 1/2 PG 58H-22 OVERLAY
5. CRUSHED SURFACE BASE COURSE COMPACTED 95%
6. COMPACTED SUBGRADE
7. UNDISTURBED SUBGRADE
8. 42" SINGLE SLOPE TRAFFIC BARRIER, SEE SHEET BR-514 - BR-515.
9. BEAM GUARDRAIL TYPE 31 MSKT-SP-MGS (TL-2) NON-FLARED TERMINAL PER WSDOT STD PLAN C-22.45. SEE ROADWAY PLANS C-502 TO C-503 FOR GUARDRAIL LOCATION.
10. COATED CHAIN LINK FENCE TYPE 4
11. SOLDIER PILE WALL
12. BRIDGE APPRAOCH SLAB PER WSDOT STANDARD PLAN A-40.50.

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

TYPICAL ROADWAY SECTION FOR: GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

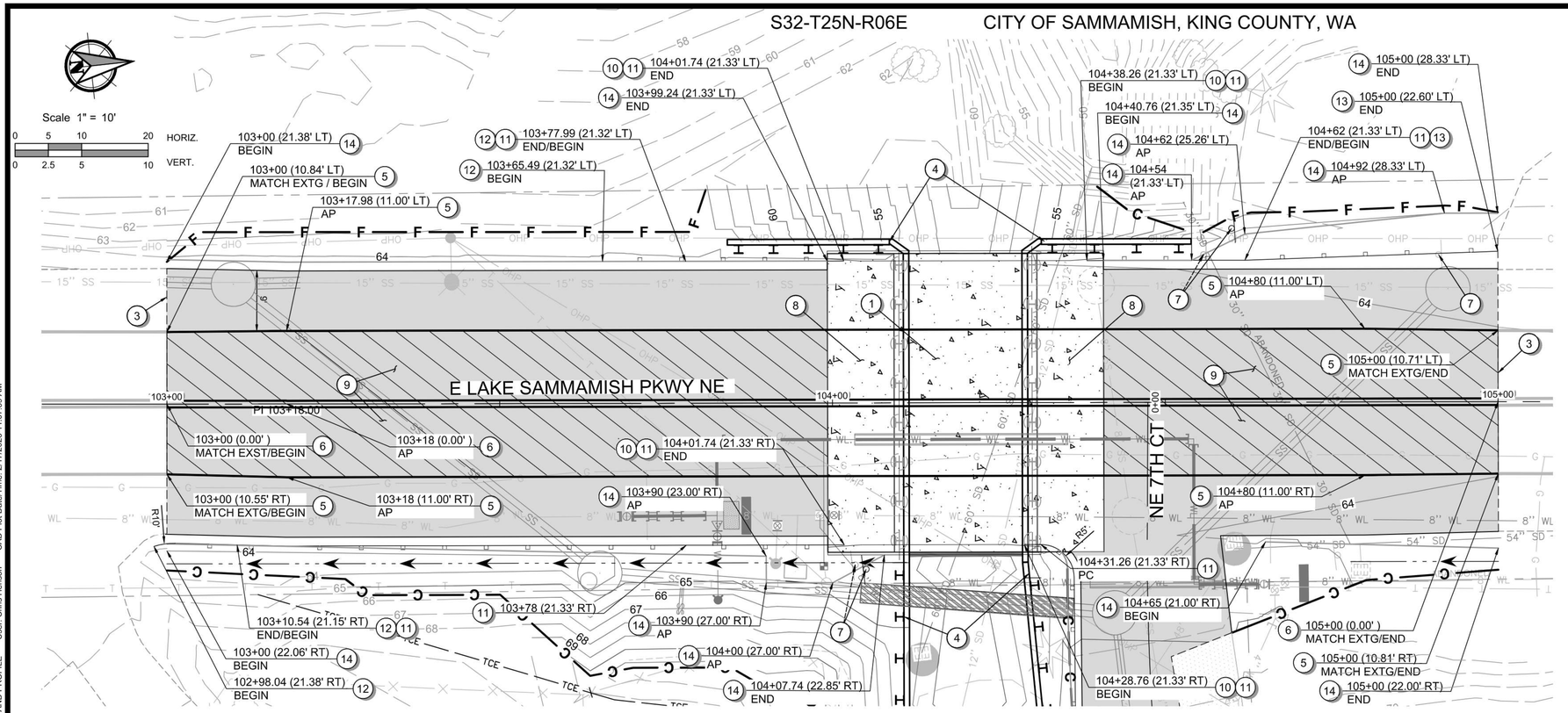
SASHRIAL — STATE OF WASHINGTON — 56631 — REGISTERED PROFESSIONAL ENGINEER — 02/16/2026

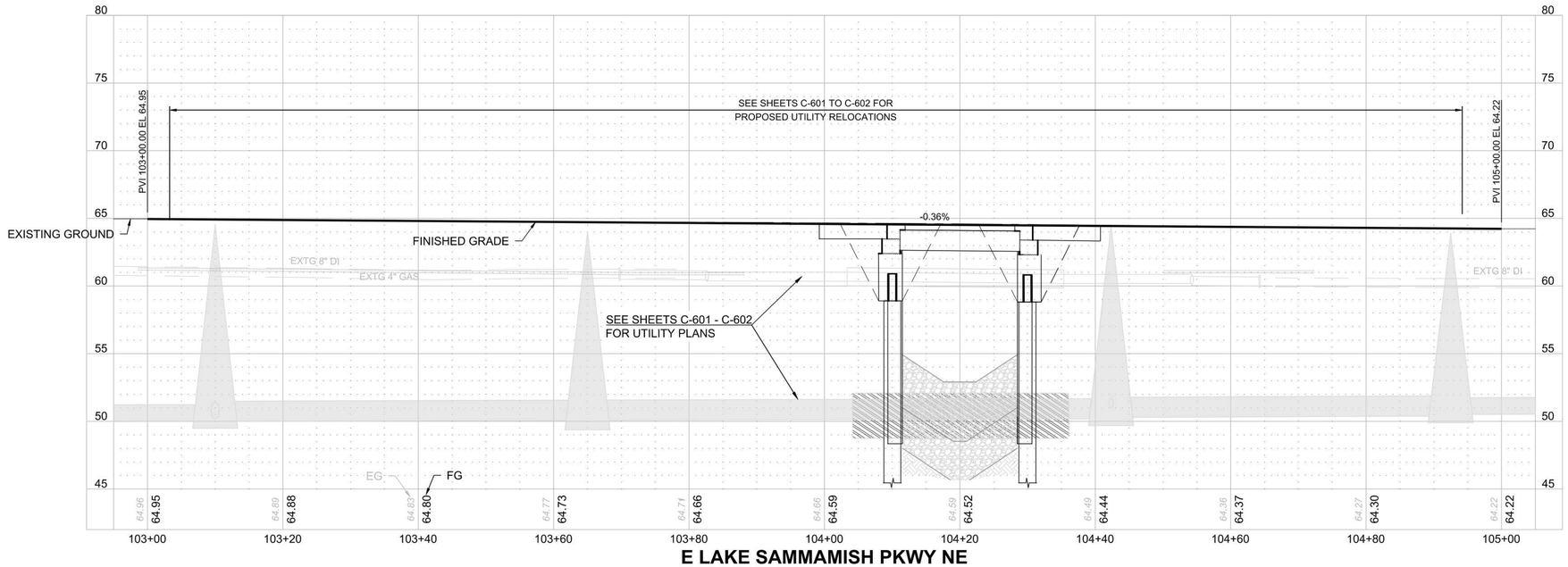
DESIGNED:	SR
CHECKED:	CMK
NOVEMBER 2025	45015-004
SHEET ID	C-501
SHEET	43 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-501 ELSP Typical Sections.dwg Layout Tab: TYPICAL ROADWAY SECTION User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:38:57 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA





GENERAL NOTES:

1. POSTED SPEED LIMIT FOR E LAKE SAMMAMISH PKWY NE IS 35 MPH.
2. SEE BR AND WL SHEETS FOR BRIDGE AND WALL PLANS.
3. SEE SHEET C-501 FOR TYPICAL ROADWAY SECTIONS.
4. SEE SHEETS C-401 - C-408 FOR STREAM PLANS.
5. SEE SHEETS C-601 - C-602 FOR WATER AND SEWER RELOCATION PLANS.
6. SEE WSDOT STD PLAN C-22.40 FOR EMBANKMENT WIDENING AT GUARDRAIL END TREATMENTS.

CONSTRUCTION NOTES:

1. BRIDGE PER STRUCTURAL PLANS, SEE SHEETS BR-501 - BR-515
2. HMA PAVEMENT
3. SAWCUT
4. WALL PER STRUCTURAL PLANS, SEE SHEETS BR-501 - BR-515
5. PAINTED EDGE LINE (WHITE) PER WSDOT STANDARD PLAN M-20.10
6. PAINTED DOUBLE CENTERLINE (YELLOW) PER WSDOT STANDARD PLAN M-20.10 AND RAISED PAVEMENT MARKERS TYPE 2YY PER CITY OF SAMMAMISH FIG04-03A.
7. RELOCATE EXISTING "THIS STREAM IS IN YOUR CARE" SIGN ON METAL POST:
   STA 104+05 (25.5' RT)
   STA 104+60 (26.0' LT)
8. BRIDGE APPROACH SLAB PER WSDOT STANDARD PLAN A-40.50.
9. CEMENT CONCRETE PAVEMENT
10. BEAM GUARDRAIL (TYPE 31) TRANSITION SECTION TYPE 24 PER WSDOT STANDARD PLAN C-25.30
11. BEAM GUARDRAIL TYPE 31 PER WSDOT STANDARD PLAN C-20.10
12. BEAM GUARDRAIL (TYPE 31) ANCHOR TYPE 11, PER WSDOT STANDARD PLAN C-23.70
13. BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL (POSTED SPEED 45 MPH AND BELOW), PER WSDOT STANDARD PLAN C-22.45
14. CSBC SHOULDER

LEGEND:

- HMA CLASS 1/2" PG
- CEMENT CONCRETE PAVEMENT
- BRIDGE APPROACH SLAB AND DECK
- 2" GRIND AND OVERLAY
- SAWCUT
- EXTG ROW
- TEMPORARY CONSTRUCTION EASEMENT (TCE)
- CHAIN LINK FENCE
- PROPOSED CONTOURS (55)
- EXISTING CONTOURS (55)

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

E LAKE SAMMAMISH PKWY NE PLAN AND PROFILE FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

ASHRIAL — STATE OF WASHINGTON — 56631 — REGISTERED PROFESSIONAL ENGINEER — 02/16/2026

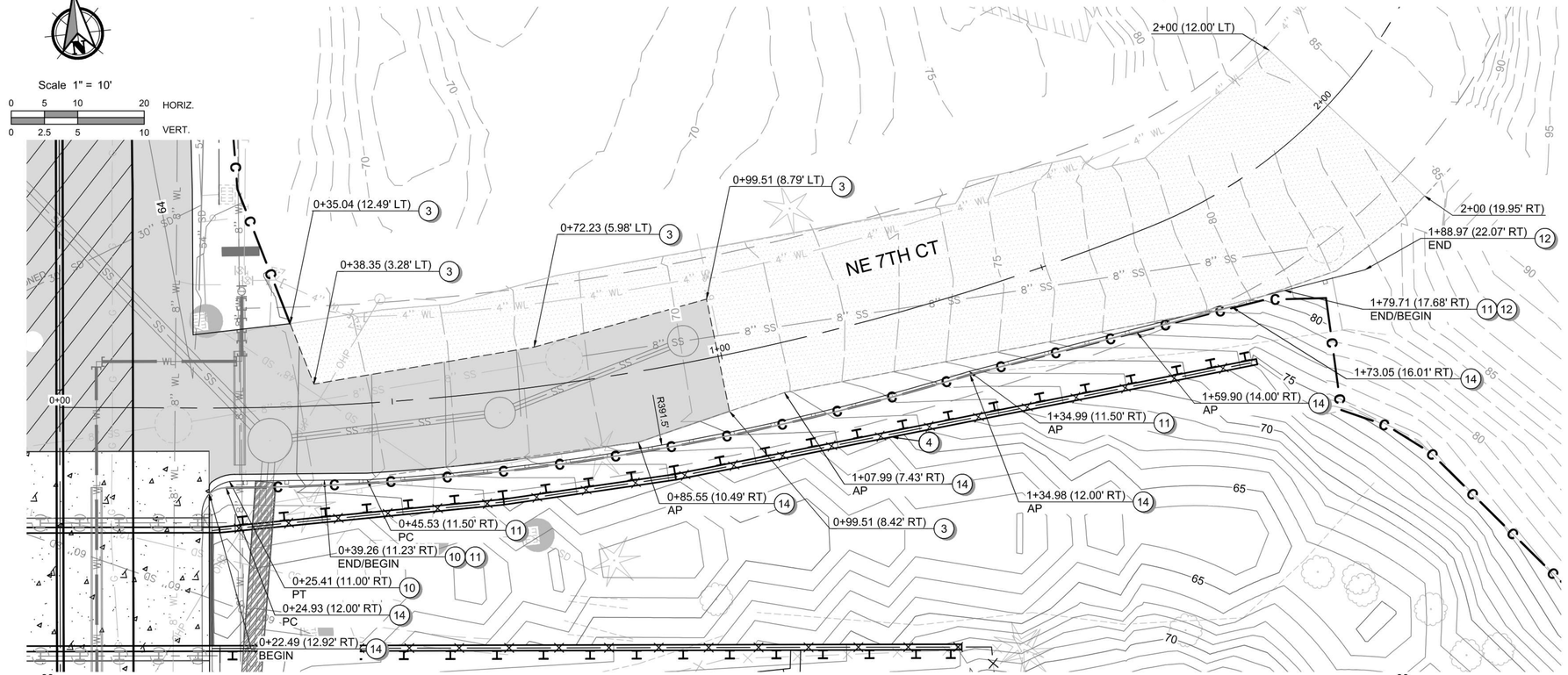
DESIGNED: SR
CHECKED: CMK
NOVEMBER 2025
45015-004

SHEET ID
C-502
SHEET 44 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-502-503 ELSP PLAN AND PROFILE.dwg Layout Tab: C-502 E LAKE SAMMAMISH PKWY NE PLAN AND PROFILE User: Chris Henson CAD Plot Date/Time: 2/17/2026 11:07:59 AM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA


Scale 1" = 10'
0 5 10 20 HORIZ.
0 2.5 5 10 VERT.
NE 7TH CT
0+00
1+00
2+00 (12.00' LT)
2+00 (19.95' RT)
1+88.97 (22.07' RT)
END
12
1+79.71 (17.68' RT)
END/BEGIN
11 12
1+73.05 (16.01' RT)
14
1+59.90 (14.00' RT)
AP
14
1+34.99 (11.50' RT)
AP
11
1+34.98 (12.00' RT)
AP
14
0+99.51 (8.79' LT)
3
0+99.51 (8.42' RT)
3
0+72.23 (5.98' LT)
3
0+35.04 (12.49' LT)
3
0+38.35 (3.28' LT)
3
1+07.99 (7.43' RT)
AP
14
0+85.55 (10.49' RT)
AP
14
0+45.53 (11.50' RT)
PC
11
0+39.26 (11.23' RT)
END/BEGIN
10 11
0+25.41 (11.00' RT)
PT
10
0+24.93 (12.00' RT)
PC
14
0+22.49 (12.92' RT)
BEGIN
14
4
R391.5'
64
30" SD
8" WL
8" SS
4" WL
8" SS
OHP
8" SS
8" SS
8" SS
4" WL
4" WL
4" WL

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA

Scale 1" = 20

0 32.8085 20 40



GENERAL NOTES:

1. SEE SHEET C-501 FOR TYPICAL ROADWAY SECTIONS.
2. SEE SHEETS C-401 - C-419 FOR STREAM AND CULVERT PLANS.
3. SEE SHEET C-601 - C-602 FOR WATER, SEWER AND GAS RELOCATION PLANS.
4. SEE SHEETS WL-001 - WL-402 FOR WALL DETAILS.
5. LOCATION OF PROPERTY RESTORATION ITEMS TO BE FINALIZED UPON DISCUSSION WITH ENGINEER. FENCES SHALL BE STAKED ONE WEEK PRIOR TO INSTALL.

CONSTRUCTION NOTES:

1. 6' TALL CHAIN LINK FENCE PER CITY OF SAMMAMISH FIG03-18, SEE DETAIL SHEET C-508. SEE DETAIL ON SHEET WL-402 FENCE POST ATTACHMENT TO WALL.
2. 4' TALL CHAIN LINK FENCE PER CITY OF SAMMAMISH FIG03-18, SEE DETAIL SHEET C-508. MODIFY FENCING DETAILS TO MATCH EXISTING. (PROPERTY RESTORATION)
3. WOODEN PANEL FENCE (PROPERTY RESTORATION)
4. 5' TALL CHAIN LINK FENCE PER CITY OF SAMMAMISH FIG03-18, SEE DETAIL SHEET C-508 AND DETAIL THIS SHEET. (PROPERTY RESTORATION)
5. DECK, SEE SHEETS S-001 - S-002
6. REMOVE SHED (PROPERTY RESTORATION)
7. REMOVE CONCRETE SLAB, RESTORE WITH SOD OR AS DIRECTED (PROPERTY RESTORATION)
8. RELOCATE MAILBOX (PROPERTY RESTORATION)
9. PAVERS (PROPERTY RESTORATION)
10. 4' WIDE GATE WITH LOCK (PROPERTY RESTORATION)

LEGEND:

CHAIN LINK FENCE

WOODEN PANEL FENCE

TEMPORARY CONSTRUCTION EASEMENT (TCE)

PAVERS

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

FENCE AND PROPERTY RESTORATION PLAN FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.



02/16/2026

DESIGNED: SR
CHECKED: CMK
NOVEMBER 2025
45015-004

SHEET ID
C-504

SHEET 46 OF 108

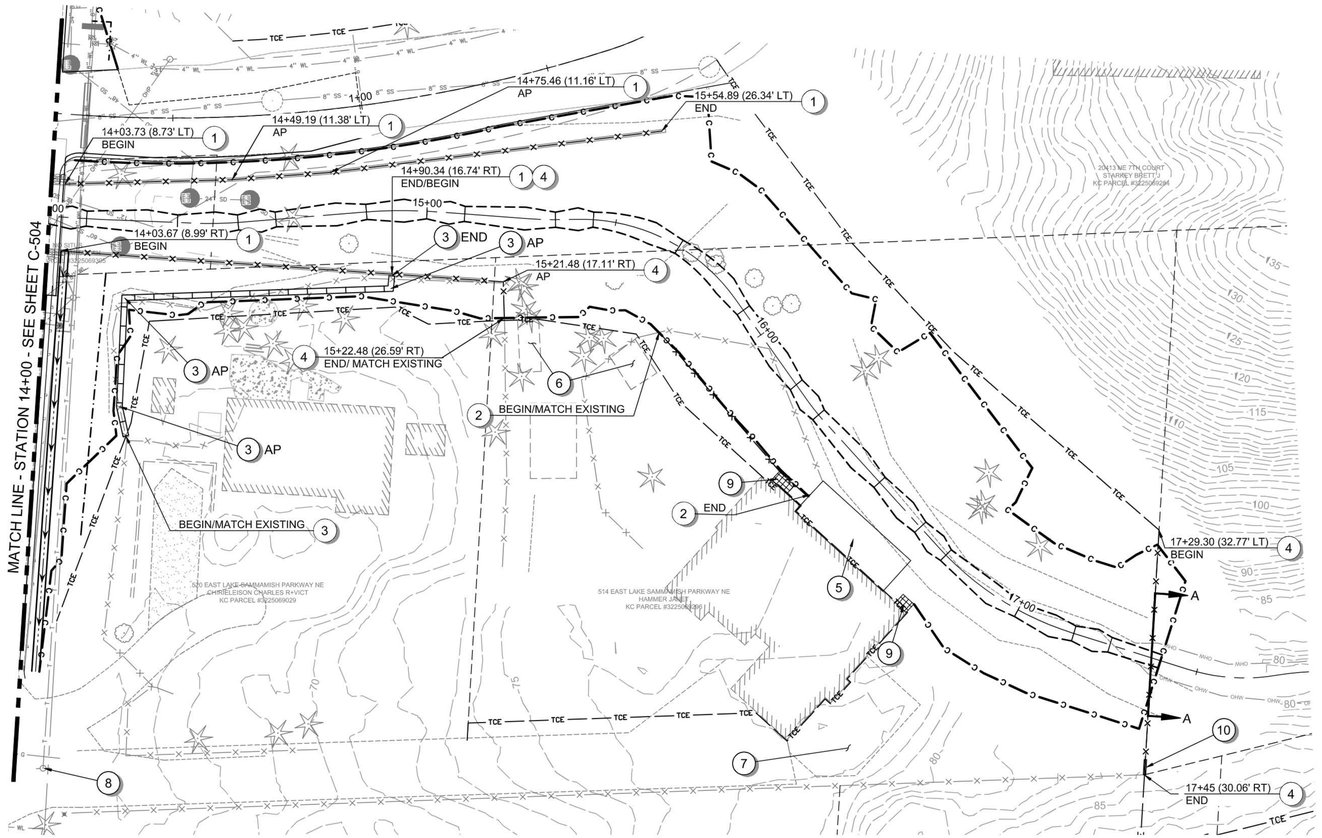
Filename: L:\Projects\45000\45015\45015-004\Civil\CADWorking\Sheets\C-504 - 505 FENCE PLANS.dwg Layout Tab: FENCE AND PROPERTY RESTORATION PLAN User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:40:14 PM

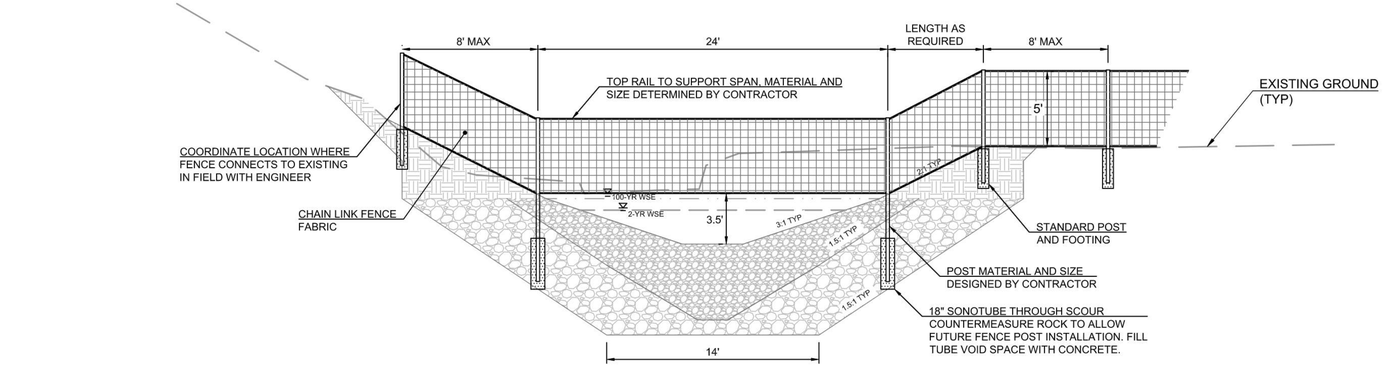
Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA

Scale 1" = 20'

0 10 20 40





A-A FENCE OVER GEORGE DAVIS CREEK

NOT TO SCALE

GENERAL NOTES:

1. SEE SHEET C-501 FOR TYPICAL ROADWAY SECTIONS.
2. SEE SHEETS C-401 - C-419 FOR STREAM AND CULVERT PLANS.
3. SEE SHEET C-601 - C-602 FOR WATER, SEWER AND GAS RELOCATION PLANS.
4. SEE SHEETS WL-001 - WL-402 FOR WALL DETAILS.
5. LOCATION OF PROPERTY RESTORATION ITEMS TO BE FINALIZED UPON DISCUSSION WITH ENGINEER. FENCES SHALL BE STAKED ONE WEEK PRIOR TO INSTALL.

CONSTRUCTION NOTES:

1. 6' TALL CHAIN LINK FENCE PER CITY OF SAMMAMISH FIG03-18, SEE DETAIL SHEET C-508. SEE DETAIL ON SHEET WL-402 FENCE POST ATTACHMENT TO WALL.
2. 4' TALL CHAIN LINK FENCE PER CITY OF SAMMAMISH FIG03-18, SEE DETAIL SHEET C-508. MODIFY FENCING DETAILS TO MATCH EXISTING. (PROPERTY RESTORATION)
3. WOODEN PANEL FENCE (PROPERTY RESTORATION)
4. 5' TALL CHAIN LINK FENCE PER CITY OF SAMMAMISH FIG03-18, SEE DETAIL SHEET C-508 AND DETAIL THIS SHEET. (PROPERTY RESTORATION)
5. DECK, SEE SHEETS S-001 - S-002
6. REMOVE SHED (PROPERTY RESTORATION)
7. REMOVE CONCRETE SLAB, RESTORE WITH SOD OR AS DIRECTED (PROPERTY RESTORATION)
8. RELOCATE MAILBOX (PROPERTY RESTORATION)
9. PAVERS (PROPERTY RESTORATION)
10. 4' WIDE GATE WITH LOCK (PROPERTY RESTORATION)

LEGEND:

CHAIN LINK FENCE

WOODEN PANEL FENCE

TEMPORARY CONSTRUCTION EASEMENT

PAVERS

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX

FENCE AND PROPERTY RESTORATION PLAN FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

SASHRIAL STATE OF WASHINGTON 56631 REGISTERED PROFESSIONAL ENGINEER 02/16/2026

DESIGNED: SR
CHECKED: CMK
NOVEMBER 2025
45015-004

SHEET ID
C-505
SHEET 47 OF 108

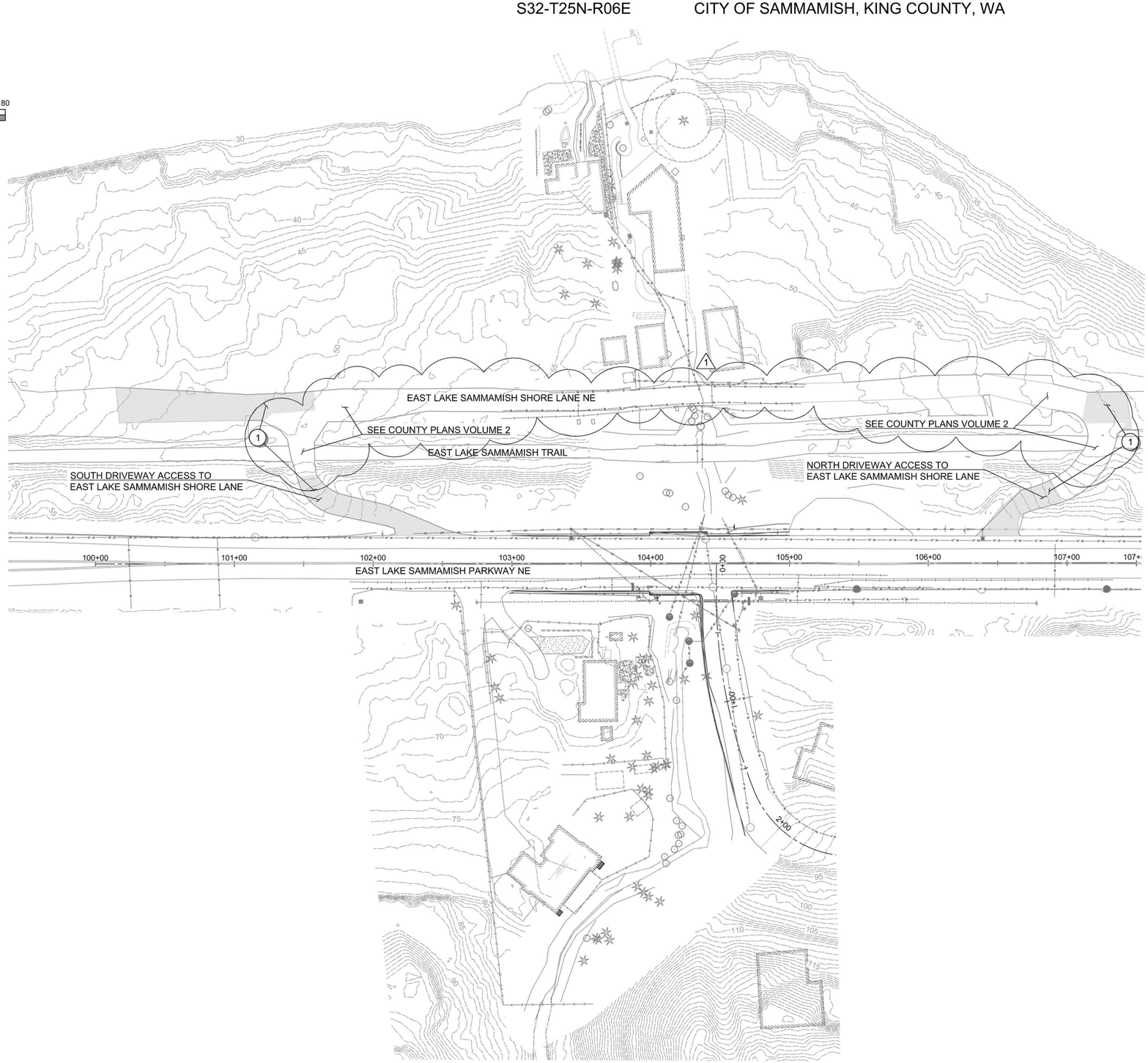
Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-504 - 505 FENCE PLANS.dwg Layout Tab: C-505 FENCE PLAN User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:40:20 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA

Scale 1" = 40'

0 20 40 80



GENERAL NOTES:

1. ROADWAY PROFILE IS MAINTAINED FOR CONTINUITY WITH EXISTING ROADWAY.

CONSTRUCTION NOTES:

(1) PLANING BITUMINOUS PAVEMENT AND 3" HMA CLASS ½ PG 58H-22 OVERLAY

LEGEND:

(2") GRIND AND OVERLAY
(1)

Conformed Set

No.	Revision	Date	By	App'd
1	OVERLAY DEPTH AND LIMITS UPDATES	3/11/26	JTS	SR

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

SHORE LANE RESURFACING PLAN FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

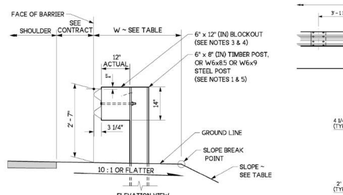
Know what's below. Call before you dig.

SASHRIAN — STATE OF WASHINGTON — 56631 — REGISTERED PROFESSIONAL ENGINEER — 03/11/2026

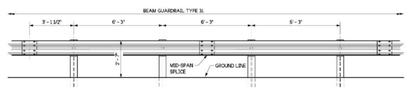
DESIGNED:	SR
CHECKED:	CMK
NOVEMBER 2025	45015-004
SHEET ID	C-506
SHEET	48 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-506 HAUL ROUTE PLAN.dwg Layout Tab: SHORE LANE RESURFACING PLAN User: Justin Sullivan CAD Plot Date/Time: 3/10/2026 2:58:00 PM

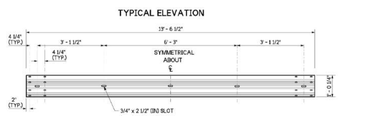
Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.



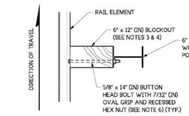
TYPICAL ELEVATION ~ WITHOUT CURB



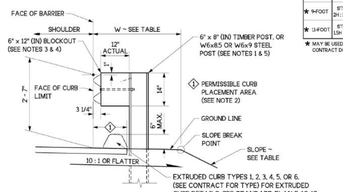
TYPICAL ELEVATION



TYPICAL RAIL ELEMENT



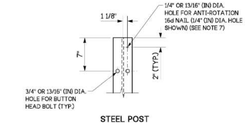
PLAN VIEW



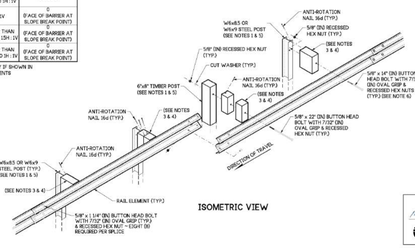
TYPICAL SECTION ~ WITH CURB

SLOPE/EMBANKMENT TABLE FOR 6', 8', 9', AND 11' LONG POSTS		
POST LENGTH	SLOPE	W (FT)
6-FOOT	2H : 1V OR FLATTER	2.5 MIN.
6-FOOT	3H : 1V OR FLATTER	4.0 MIN.
8-FOOT	STEEPER THAN 3H : 1V TO 2H : 1V	2.5 MIN.
8-FOOT	2H : 1V	5'-0" FROM FACE OF BARRIER AT SLOPE BREAK POINT)
★ 9-FOOT	STEEPER THAN 2H : 1V TO 1.5H : 1V	5'-0" FROM FACE OF BARRIER AT SLOPE BREAK POINT)
★ 11-FOOT	STEEPER THAN 1.5H : 1V TO 1H : 1V	5'-0" FROM FACE OF BARRIER AT SLOPE BREAK POINTS

★ MAY BE USED ONLY IF SHOWN IN CONTRACT DOCUMENTS



STEEL POST



ISOMETRIC VIEW

NOTES

1. Refer to **Standard Plan C-1b** for additional details not shown on this plan.
2. Extend shoulder pavement to provide a base for the extruded curb. See Contract Plans for exceptions to distances shown.
3. Use a single block or combination of blocks (no more than two (2) to achieve the actual 12" (in) offset. See **Standard Specification Section 9-16.3(2)**. Wood blocks shall be secured to the posts with anti-rotation nails. If combination blocks are used, the adjacent blocks shall be toenailed with two 16d galvanized nails to prevent block rotation.
4. Wood blocks are shown. Blocks of an approved alternative material may be used. See **Standard Specification Section 9-16.3(2)**.
5. All posts for any standard barrier run shall be of the same type; timber or steel.
6. Attach blockouts to steel posts using bolt holes on approaching traffic side of post web.
7. Anti-rotation holes in steel posts are not required when using blocks with anti-rotation features (e.g., routered blocks).



Oct 12, 2023

BEAM GUARDRAIL TYPE 31

STANDARD PLAN C-20.10-09

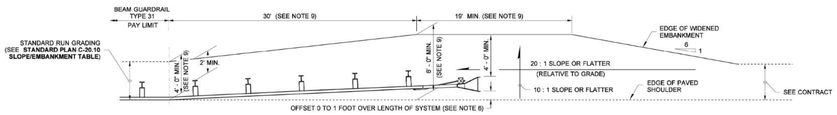
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

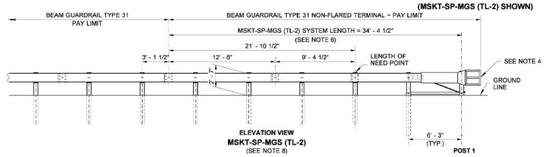
Oct 12, 2023

STATE DESIGN ENGINEER

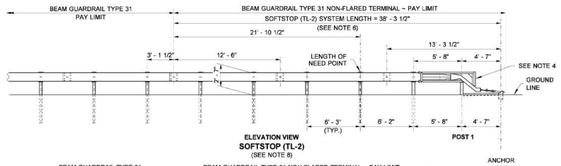
Washington State Department of Transportation



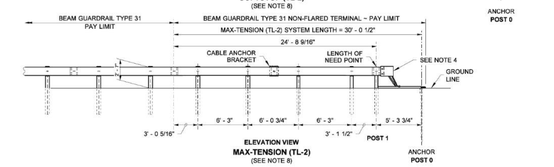
PLAN VIEW
(MSKT-SP-MGS (TL-2) SHOWN)



ELEVATION VIEW
MSKT-SP-MGS (TL-2)
(SEE NOTE 8)



ELEVATION VIEW
SOFTSTOP (TL-2)
(SEE NOTE 6)



ELEVATION VIEW
MAX-TENSION (TL-2)
(SEE NOTE 8)

NOTES

1. The Implementation of the Manual for Assessment of Safety Hardware (MASH) criteria may result in the acceptance of guardrail terminal systems currently not shown on this plan. Non-Flared terminals shall be selected from the WSDOT Qualified Products List (QPL) or approved through the WSDOT Request for Approval of Materials (RAM) process.
2. This terminal is MASH compliant at Test Level Two (TL-2) and may be used in applications with posted speed of 45 mph or less.
3. An MSKT-SP-MGS (TL-2) as manufactured by Road Systems, Inc, SOFTSTOP (TL-2) as manufactured by Trinity Highway Products, LLC, or MAX-TENSION (TL-2) as manufactured by Lindsay Transportation Solutions, shall be installed according to manufacturer's recommendations.
4. A reflectorized object marker shall be installed according to manufacturer's recommendations.
5. Snow load rail washers are not allowed.
6. Provide an offset between 0 to 1 foot so that the impact head does not encroach onto the paved shoulder. The offset is provided over the length of the terminal system from the center of the last post splice to either: (1) The face of the impact head at its leading edge (MSKT-SP-MGS), or (2) The center of anchor **Post 0** (Softstop or Max-Tension). Provide the maximum offset where practicable.
7. For terminal details, see WSDOT approved manufacturer's drawings.
8. These terminals are supplied with steel posts only. They can be used with beam guardrail Type 31 runs, composed of steel or wood guardrail posts.
9. The widened embankment dimensions shown on this plan will satisfy the installation requirements of all 3 guardrail terminal systems shown on this plan.



Jul 18, 2024

BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL (POSTED SPEED 45 MPH AND BELOW) STANDARD PLAN C-22.45-07

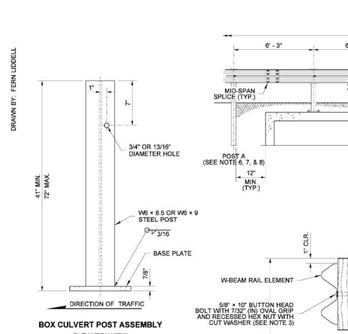
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Jul 21, 2024

STATE DESIGN ENGINEER

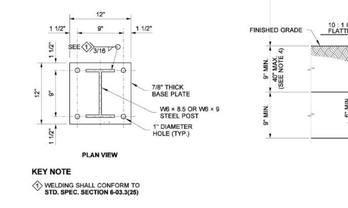
Washington State Department of Transportation



TYPICAL ELEVATION VIEW

BOX CULVERT POST ASSEMBLY

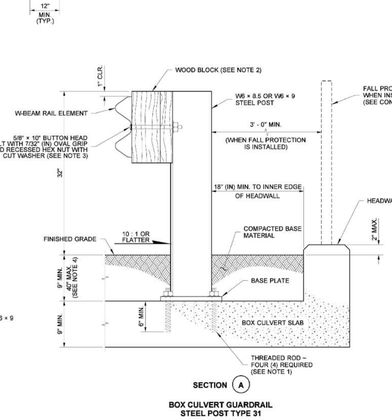
ELEVATION VIEW



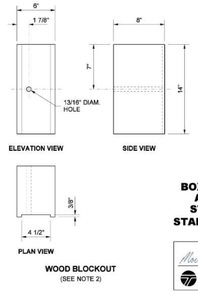
PLAN VIEW

KEY NOTE

1 WELDING SHALL CONFORM TO **STD. SPEC. SECTION 6-03.3(25)**



BOX CULVERT GUARDRAIL STEEL POST TYPE 31



WOOD BLOCKOUT
(SEE NOTE 2)

NOTES

1. Attach Guardrail Post to Box Culvert with 7/8" (in) diameter high-strength threaded rods 8 1/2" (in) in length with resin-bonded anchors. See **Standard Specification, Section 9-06.5(4)**.
2. Wood blocks are shown. Blocks of an approved alternative may be used. See **Standard Specification, Section 9-16.3(2)**.
3. Attach blockouts to steel posts using bolt holes on approaching traffic side of post web.
4. Box culvert guardrail steel posts are not needed for fill depths greater than 40 inches. Install standard 6-foot length Type 31 guardrail posts per **Standard Plan C-20.10**. Place Type 31 guardrail a minimum of 5-feet away from the inner edge of headwall (measured from face of rail to inner face of headwall.)
5. Plan shows 4 box culvert posts installed on culvert lid. It is acceptable to use a greater or lesser number of box culvert guardrail posts to increase or decrease the length of system as needed.
6. Install at least 62.5-feet of Type 31 guardrail upstream and downstream from posts **A** and **B** (Terminals and Anchors included in length).
7. Install at least 12.5-feet of Type 31 Guardrail from guardrail posts **A** and **B** before installing terminals and anchors.
8. Install at least 37.5-feet of Type 31 guardrail upstream and downstream from guardrail posts **A** and **B** before starting a taper or radius rail guardrail system.



Jul 16, 2024

BOX CULVERT EMBEDDED ANCHOR GUARDRAIL STEEL POST ~ TYPE 31 STANDARD PLAN C-20.41-05

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

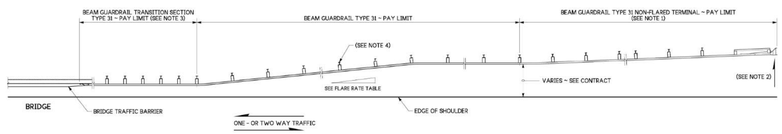
Jul 18, 2024

STATE DESIGN ENGINEER

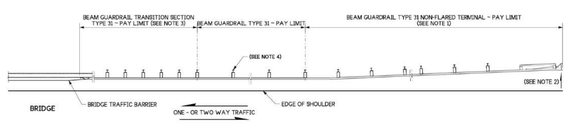
Washington State Department of Transportation

NOTES:

1. For details, see **Standard Plan C-22.40** or C-22.45.
2. The slope from the edge of the paved shoulder into the back of the guardrail post should not be steeper than 10H : 1V.
3. See Contract for Beam Guardrail Transition Section type and Connection to Bridge Traffic Barrier or Concrete Barrier. See **Standard Plan C-24.10** for connection details.
4. Timber or steel post. Steel post shown.



CASE 4 ~ 31



CASE 5 ~ 31

FLARE RATE TABLE	
POSTED SPEED (MPH)	RATE (FT)
65 - 70	15 : 1 OR FLATTER
60	14 : 1 OR FLATTER
55	12 : 1 OR FLATTER
50	11 : 1 OR FLATTER
45	10 : 1 OR FLATTER
40 OR LESS	9 : 1 OR FLATTER



Oct 12, 2023

BEAM GUARDRAIL TYPE 31 PLACEMENT CASES (4-31 & 5-31) STANDARD PLAN C-20.15-03

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Oct 12, 2023

STATE DESIGN ENGINEER

Washington State Department of Transportation

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

ROADWAY DETAILS FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

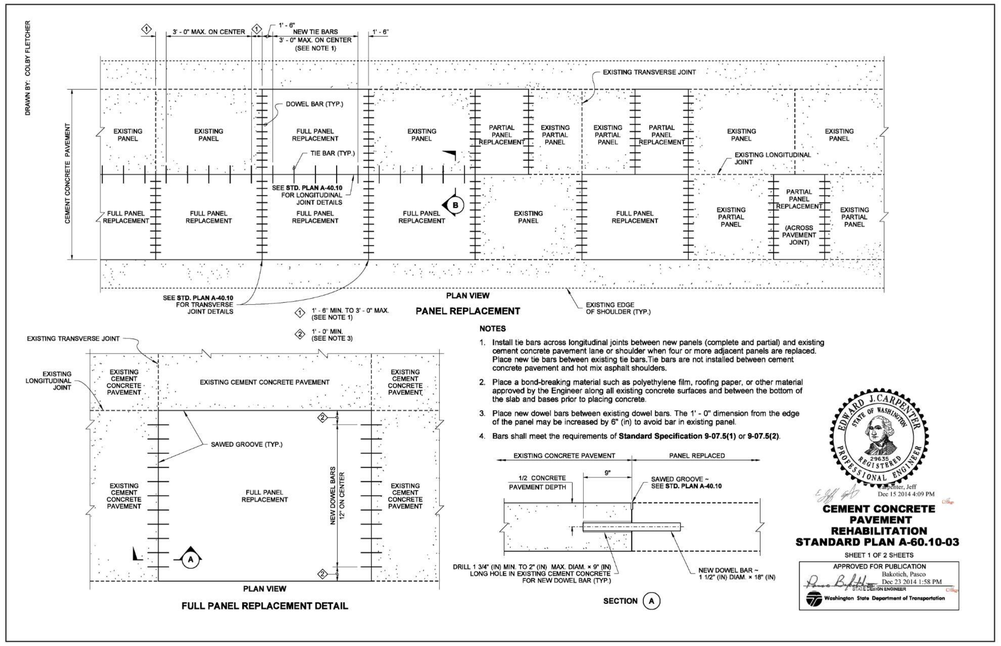
DESIGNED: SR
CHECKED: CMK
NOVEMBER 2025
45015-004

SHEET ID
C-507
SHEET 49 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-507-509 Roadway Details.dwg Layout Tab: ROADWAY DETAILS User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:41:00 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

DRAWN BY: COLBY FLETCHER



PLAN VIEW

PANEL REPLACEMENT

PLAN VIEW

FULL PANEL REPLACEMENT DETAIL

NOTES

1. Install tie bars across longitudinal joints between new panels (complete and partial) and existing cement concrete pavement lane or shoulder when four or more adjacent panels are replaced. Place new tie bars between existing tie bars.Tie bars are not installed between cement concrete pavement and hot mix asphalt shoulders.
2. Place a bond-breaking material such as polyethylene film, roofing paper, or other material approved by the Engineer along all existing concrete surfaces and between the bottom of the slab and bases prior to placing concrete.
3. Place new dowel bars between existing dowel bars. The 1'-0" dimension from the edge of the panel may be increased by 6" (in) to avoid bar in existing panel.
4. Bars shall meet the requirements of **Standard Specification 9-07.5(1)** or **9-07.5(2)**.

SECTION (A)

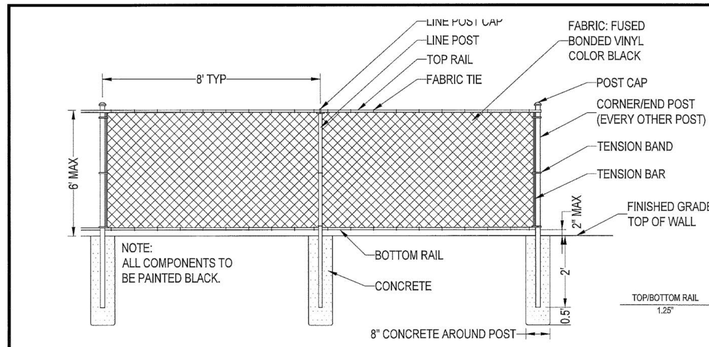
EDWARD J. CARPENTER — STATE OF WASHINGTON — 29905 — REGISTERED PROFESSIONAL ENGINEER

Carpenter, Jeff — Dec 15 2014 4:09 PM

CEMENT CONCRETE PAVEMENT REHABILITATION STANDARD PLAN A-60.10-03

SHEET 1 OF 2 SHEETS

APPROVED FOR PUBLICATION — Bakovich, Pasco — Dec 23 2014 1:58 PM — Washington State Department of Transportation



PIPE SCHEDULE (ALL DIMENSION I.D.)

TOP/BOTTOM RAIL	CORNER/ END POST	LINE POST
1.25"	2.5"	2"

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

ANDREW W. ZAGARS — STATE OF WASHINGTON — 36105 — REGISTERED PROFESSIONAL ENGINEER — 12-2-15

CITY OF SAMMAMISH
DEPARTMENT OF PUBLIC WORKS

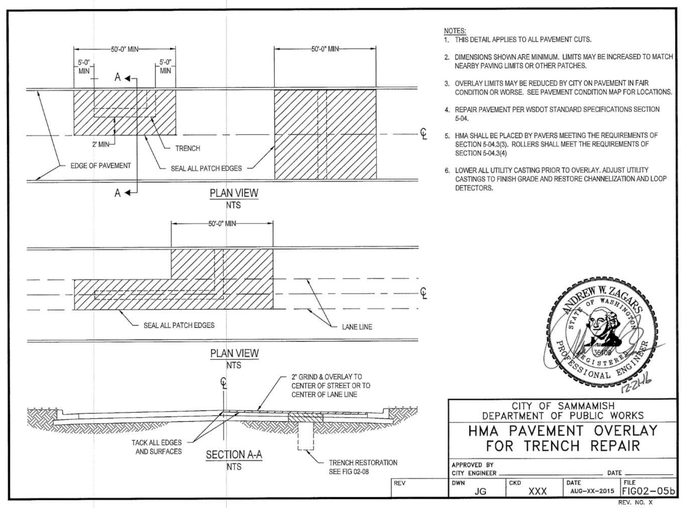
CHAIN LINK FENCE

APPROVED BY CITY ENGINEER _____ DATE _____

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

REV. NO. X

ALL FENCE POSTS SHALL BE A MINIMUM 2.5" DIAMETER



NOTES:

1. THIS DETAIL APPLIES TO ALL PAVEMENT CUTS.
2. DIMENSIONS SHOWN ARE MINIMUM. LIMITS MAY BE INCREASED TO MATCH NEARBY PAVING LIMITS OR OTHER PATCHES.
3. OVERLAY LIMITS MAY BE REDUCED BY CITY ON PAVEMENT IN FAIR CONDITION OR WORSE. SEE PAVEMENT CONDITION MAP FOR LOCATIONS.
4. REPAIR PAVEMENT PER WSDOT STANDARD SPECIFICATIONS SECTION 5-04.
5. HMA SHALL BE PLACED BY PAVERS MEETING THE REQUIREMENTS OF SECTION 5-04.3(3). ROLLERS SHALL MEET THE REQUIREMENTS OF SECTION 5-04.3(4)
6. LOWER ALL UTILITY CASTING PRIOR TO OVERLAY. ADJUST UTILITY CASTINGS TO FINISH GRADE AND RESTORE CHANNELIZATION AND LOOP DETECTORS.

ANDREW W. ZAGARS — STATE OF WASHINGTON — 36105 — REGISTERED PROFESSIONAL ENGINEER — 12-2-15

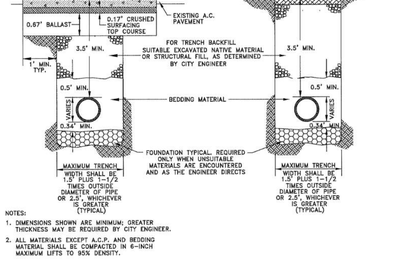
CITY OF SAMMAMISH
DEPARTMENT OF PUBLIC WORKS

HMA PAVEMENT OVERLAY FOR TRENCH REPAIR

APPROVED BY CITY ENGINEER _____ DATE _____

REV	DWN	CKD	DATE	FILE
	JG	XXX	AUG-XX-2015	FIG02-05b

REV. NO. X



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 92% 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.

ANDREW W. ZAGARS — STATE OF WASHINGTON — 36105 — REGISTERED PROFESSIONAL ENGINEER — 12-2-15

CITY OF SAMMAMISH
DEPARTMENT OF PUBLIC WORKS

TRENCH-PAVEMENT RESTORATION DETAIL

APPROVED BY CITY ENGINEER _____ DATE _____

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

REV. NO. X

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

ROADWAY DETAILS FOR:

GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT

SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

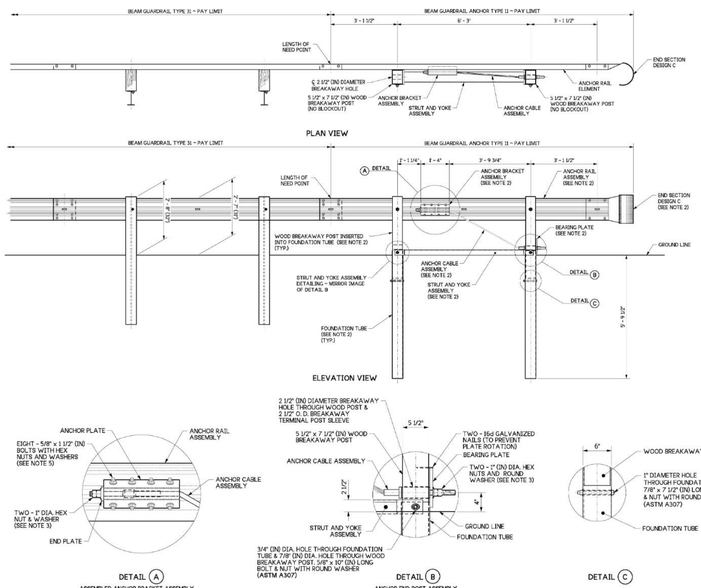
DESIGNED: SR
CHECKED: CMK
NOVEMBER 2025
45015-004

SHEET ID
C-508

SHEET 50 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-507-509 Roadway Details.dwg Layout Tab: C-508 ROADWAY DETAILS User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:41:11 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.



NOTES

1. For typical rail element and post details not shown on this plan refer to **Standard Plans** C-20.10 and C-1b.
2. For additional details not shown, see Sheet 2 of this Plan.
3. Fasten the Anchor Cable using two 1" (in) nuts and washer, at both ends of cable. Outside nut shall be torqued against inside nut a minimum of 100 ft.-lbs.
4. It is permissable to fabricate the anchor plate from 1/4" (in) thick plates welded to equal strength and dimensions as shown.
5. Eight 5/8" x 1 1/2" (in) machine bolts with hex nut and washer. Place washer on face side of rail.
6. Galvanizing of Anchor metal components shall be in accordance with **Standard Specification Section** 9-16.3(5).
7. See **Standard Plans** C-20.14 or C-20.18 for proper placement of Type 11 Anchors in front of fixed features.

Oct 13, 2023

BEAM GUARDRAIL TYPE 31 ~ ANCHOR TYPE 11

STANDARD PLAN C-23.70-01

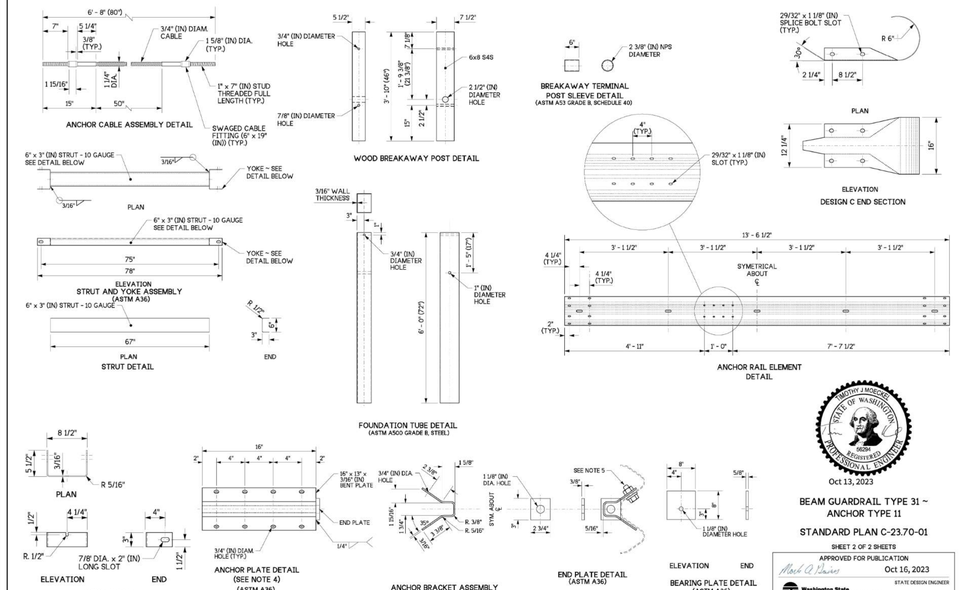
SHEET 1 OF 2 SHEETS

APPROVED FOR PUBLICATION

Oct 16, 2023

STATE DESIGN ENGINEER

Washington State Department of Transportation



Oct 13, 2023

BEAM GUARDRAIL TYPE 31 ~ ANCHOR TYPE 11

STANDARD PLAN C-23.70-01

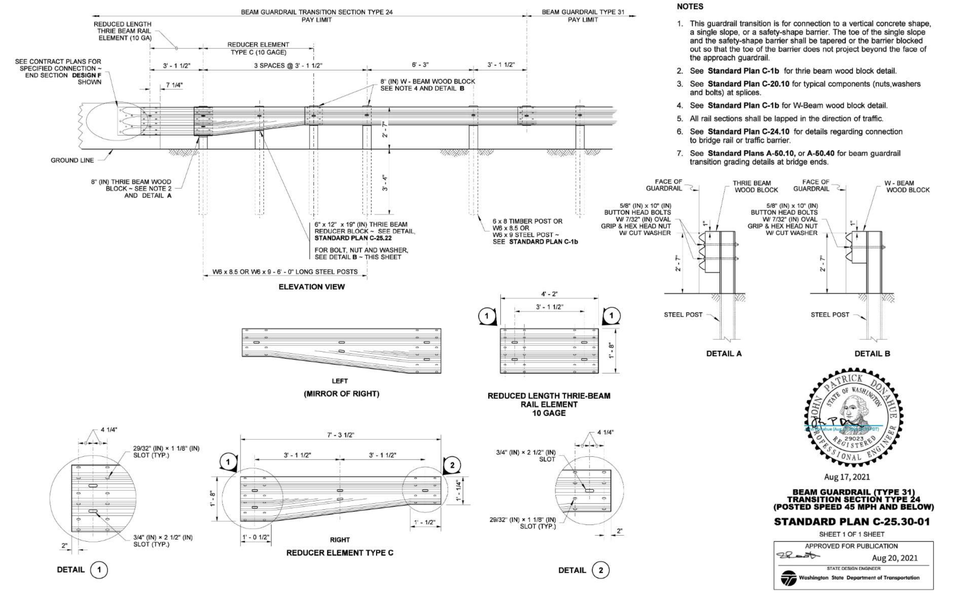
SHEET 2 OF 2 SHEETS

APPROVED FOR PUBLICATION

Oct 16, 2023

STATE DESIGN ENGINEER

Washington State Department of Transportation



NOTES

1. This guardrail transition is for connection to a vertical concrete shape, a single slope, or a safety-shape barrier. The toe of the single slope and the safety-shape barrier shall be tapered or the barrier blocked out so that the toe of the barrier does not project beyond the face of the approach guardrail.
2. See **Standard Plan C-1b** for thrie beam wood block detail.
3. See **Standard Plan C-20.10** for typical components (nuts,washers and bolts) at splices.
4. See **Standard Plan C-1b** for W-Beam wood block detail.
5. All rail sections shall be lapped in the direction of traffic.
6. See **Standard Plan C-24.10** for details regarding connection to bridge rail or traffic barrier.
7. See **Standard Plans A-60.10, or A-60.40** for beam guardrail transition grading details at bridge ends.

Aug 17, 2021

BEAM GUARDRAIL (TYPE 31) TRANSITION SECTION TYPE 24 (POSTED SPEED 45 MPH AND BELOW)

STANDARD PLAN C-25.30-01

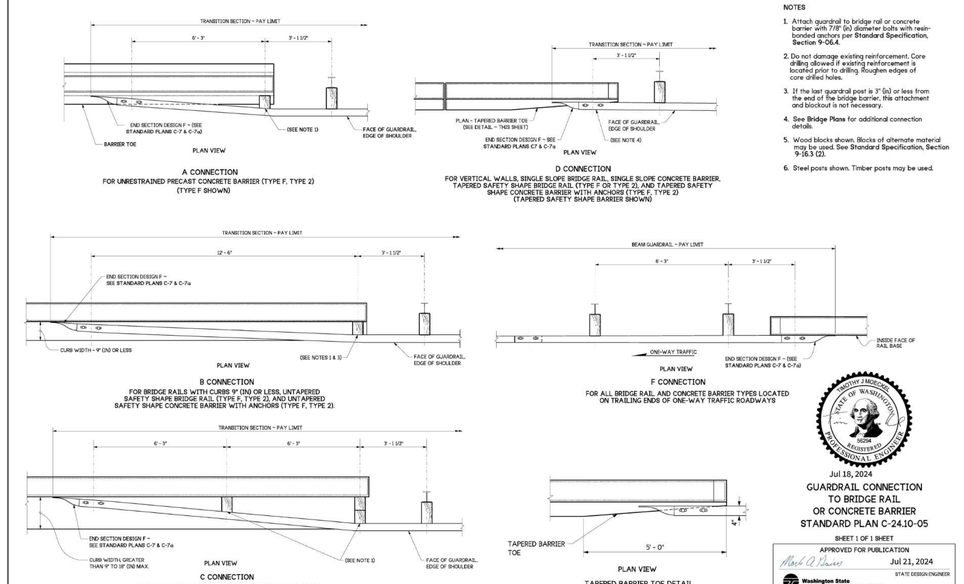
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Aug 20, 2021

STATE DESIGN ENGINEER

Washington State Department of Transportation



NOTES

1. Attach guardrail to bridge rail or concrete barrier with 7/8" (in) diameter bolts with resin-bonded anchors per **Standard Specification, Section** 9-06.4.
2. Do not damage existing reinforcement. Core drilling allowed if existing reinforcement is located prior to drilling. Roughen edges of core drilled holes.
3. If the last guardrail post is 3" (in) or less from the end of the bridge barrier, this attachment and blockout is not necessary.
4. See **Bridge Plans** for additional connection details.
5. Wood blocks shown. Blocks of alternate material may be used. See **Standard Specification, Section** 9-16.3 (2).
6. Steel posts shown. Timber posts may be used.

Jul 18, 2024

GUARDRAIL CONNECTION TO BRIDGE RAIL OR CONCRETE BARRIER STANDARD PLAN C-24.10-05

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Jul 21, 2024

STATE DESIGN ENGINEER

Washington State Department of Transportation

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

ROADWAY DETAILS FOR:

GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT

SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

DESIGNED: SR

CHECKED: CMK

NOVEMBER 2025
45015-004

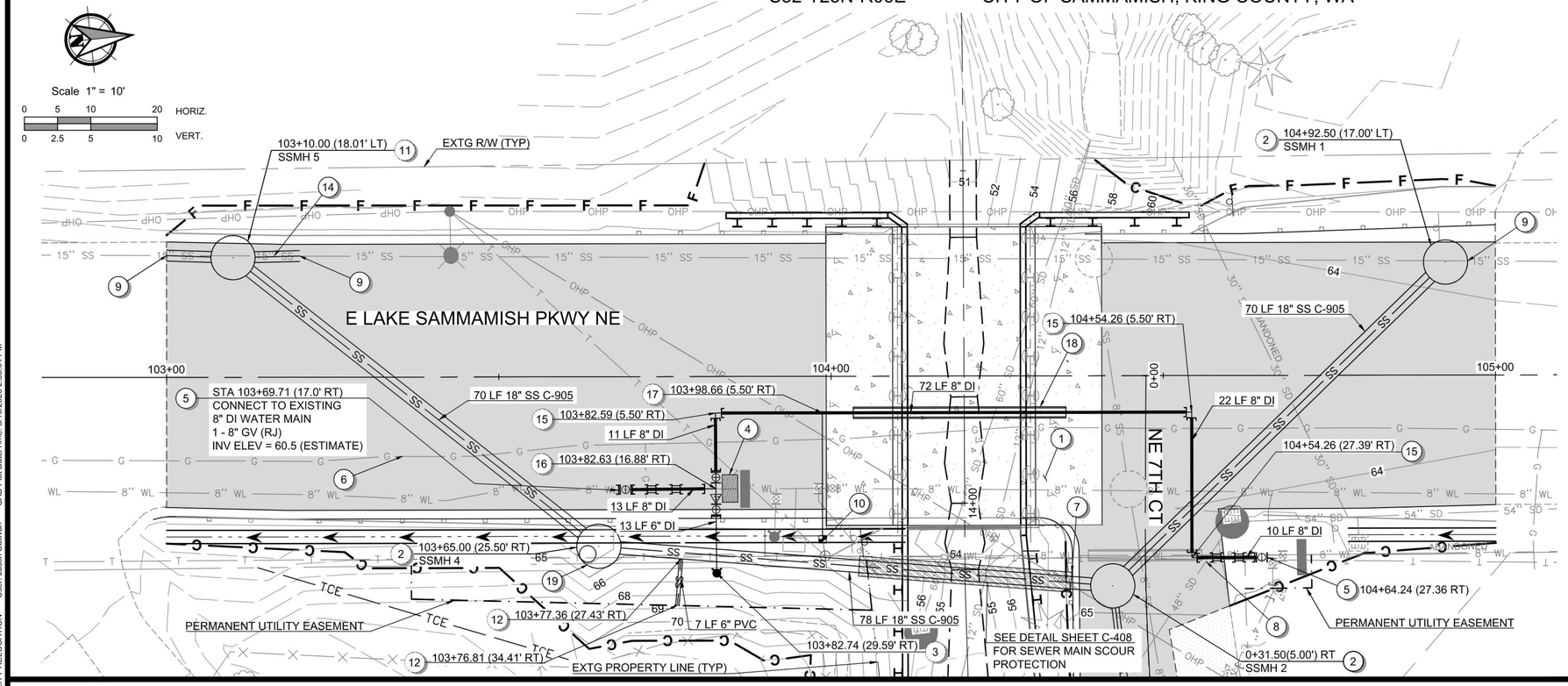
SHEET ID
C-509

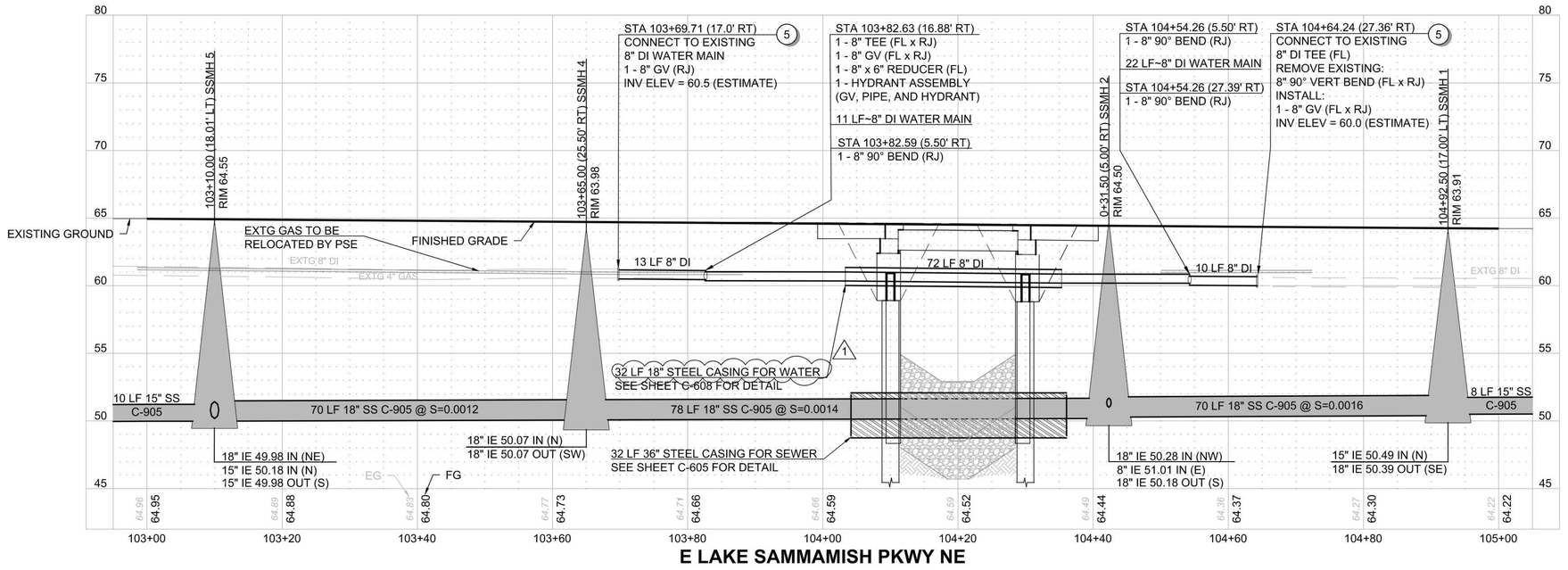
SHEET 51 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CADWorking\Sheets\C-507-509 Roadway Details.dwg Layout Tab: C-509 ROADWAY DETAILS User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:41:12 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA





GENERAL NOTES:

1. ALL WATER AND GAS PIPES SHALL BE CEMENT-LINED, CLASS 52 DUCTILE IRON.
2. ALL WATER PIPES AND FITTINGS SHALL BE RESTRAINED JOINTS.
3. SEE SITE PREP PLANS, SHEETS C-301 - C-303 FOR EXISTING FEATURES AND UTILITIES.
4. CONTRACTOR SHALL CONFIRM EXISTING PIPE SIZES, MATERIALS, AND DEPTHS PRIOR TO CONSTRUCTION BY POTHOLING.
5. PROPOSED WATER MAIN AND SEWER SHALL BE PRESSURE AND PURITY TESTED PER SAMMAMISH PLATEAU WATER AND SEWER DISTRICT (SPW) TECHNICAL SPECIFICATIONS.
6. THE DISTRICT SHALL REQUIRE ALL RUNS OF SEWER PIPE TO BE INSPECTED BY THE USE OF A TELEVISION CAMERA NOT LESS THAN 30 DAYS AFTER THE TRENCH BACKFILL AND COMPACTION HAS BEEN COMPLETED PER SAMMAMISH PLATEAU WATER AND SEWER DISTRICT (SPW) TECHNICAL SPECIFICATIONS.
7. PROPOSED SEWER RELOCATION SHALL NOT BE CONSTRUCTED UNTIL ALL COMPONENTS OF THE SEWER BYPASS ARE INSTALLED AND FUNCTIONING PROPERLY.
8. CONTRACTOR TO DESIGN THE TEMPORARY SANITARY SEWER BYPASS SYSTEM. SEE SHEET C-603 FOR DETAILS.
9. CUT-IN ("SADDLE") MANHOLE ARE SUBJECT TO THE FOLLOWING REQUIREMENTS:
   A. THE CONTRACTOR SHALL BYPASS PUMP THE SEWER DURING INSTALLATION OF SSMH-1 AND SSMH-5 CUT-IN MANHOLE. CONTRACTOR TO SUBMIT A BYPASS PUMP PLAN TO DISTRICT PRIOR TO THE PRECONSTRUCTION MEETING.
   B. CUT-IN ("SADDLE") MANHOLE TO CONFORM TO ALL DISTRICT REQUIREMENTS. EXISTING SLOPE OF SEWER MAIN SHALL BE CONVEYED THROUGH THE MANHOLE.
   C. 10' OF EXISTING SANITARY SEWER PIPE TO BE REPLACED ON ONE SIDE OF CUT-IN MANHOLE AS SHOWN IN THE PLANS.
   D. MATCH IE OF EXISTING INCOMING PIPE BASED ON SLOPE OF EXISTING MAIN. INFORM ENGINEER IF INCOMING PIPE DOES NOT MATCH PLANS.

UTILITY NOTES:

1. 23 FT X 44 FT BRIDGE.
2. 72-INCH SANITARY SEWER MANHOLE PER SAMMAMISH PLATEAU STANDARD DETAIL, SHEET C-604.
3. FIRE HYDRANT ASSEMBLY PER SAMMAMISH PLATEAU STANDARD DETAIL, SHEET C-606, CUT SECTION. CULVERT MAY BE REQUIRED AT DITCH.
4. POUR CONCRETE BLOCK BETWEEN TEE AND EXISTING DEADMAN. DISTRICT TO INSPECT ANY REQUIRED FORMWORK PRIOR TO PLACING CONCRETE.
5. CONNECT TO EXISTING WATER MAIN, SEE SHEETS C-607 AND C-608. COORDINATE WITH SAMMAMISH PLATEAU WATER AND SEWER DISTRICT. MINIMUM OF 7 DAY NOTICE TO DISTRICT IS REQUIRED.
6. EXISTING GAS MAIN TO BE RELOCATED BY PSE PRIOR TO CONSTRUCTION.
7. 32 LF 36" PIPE CASING FOR SEWER MAIN. SEE SHEET C-605 FOR DETAIL.
8. ABANDON 48" STORM DRAIN BEFORE INSTALLING WATER MAIN. CONTRACTOR SHALL:
   - DEFORM 48" STORM IF NEEDED TO ENSURE MIN 12" CLEARANCE BENEATH NEW WATER PIPE.
   - MAINTAIN STREAM BYPASS PIPING THROUGH EXISTING 48" STORM DRAIN.
9. CONNECT TO EXISTING SEWER STRUCTURE OR PIPE.
10. WATER METER AND 16 LF 1-INCH SERVICE LINE PER SAMMAMISH PLATEAU STANDARD DETAILS, SHEET C-606.
11. 72-INCH SANITARY SEWER CUT-IN SADDLE MANHOLE PER SAMMAMISH PLATEAU STANDARD DETAIL, SHEET C-605.
12. SINGLE SIDE SEWER PER SAMMAMISH PLATEAU STANDARD DETAIL, SHEET C-604.
13. 48-INCH SANITARY SEWER MANHOLE PER SAMMAMISH PLATEAU STANDARD DETAIL, SHEET C-604.
14. AFTER ALL SEWER INFRASTRUCTURE IS COMPLETED ALONG THE NEW ALIGNMENT, UTILIZE A SHORT-TERM TEMPORARY BYPASS TO PLUG AND REMOVE THE SEWER PIPE; CAP UPSTREAM END PER SPWD REQUIREMENTS.
15. 6-INCH 90° BEND (RJ).
16. 1 - 8" TEE (FL x MJ)
    1 - 8" GV (FL x MJ)
    1 - HYDRANT ASSEMBLY
17. 1" SERVICE CONNECTION PER SAMMAMISH PLATEAU STANDARD DETAIL, SHEET C-606.
18. 32 LF 16" PIPE CASING FOR WATER MAIN. SEE SHEET C-608 FOR DETAIL.
19. LOCATE MANHOLE LID ON CUT SLOPE AWAY FROM BOTTOM OF DITCH.
20. 48-INCH SANITARY SEWER DROP MANHOLE PER SAMMAMISH PLATEAU STANDARD DETAIL, SHEET C-604.

No.	Revision	Date	By	App'd
1	STEEL CASING DIAMETER UPDATE	3/11/26	JTS	SR

Conformed Set

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX

E LAKE SAMMAMISH PKWY NE UTILITY RELOCATION FOR:

GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT

SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.



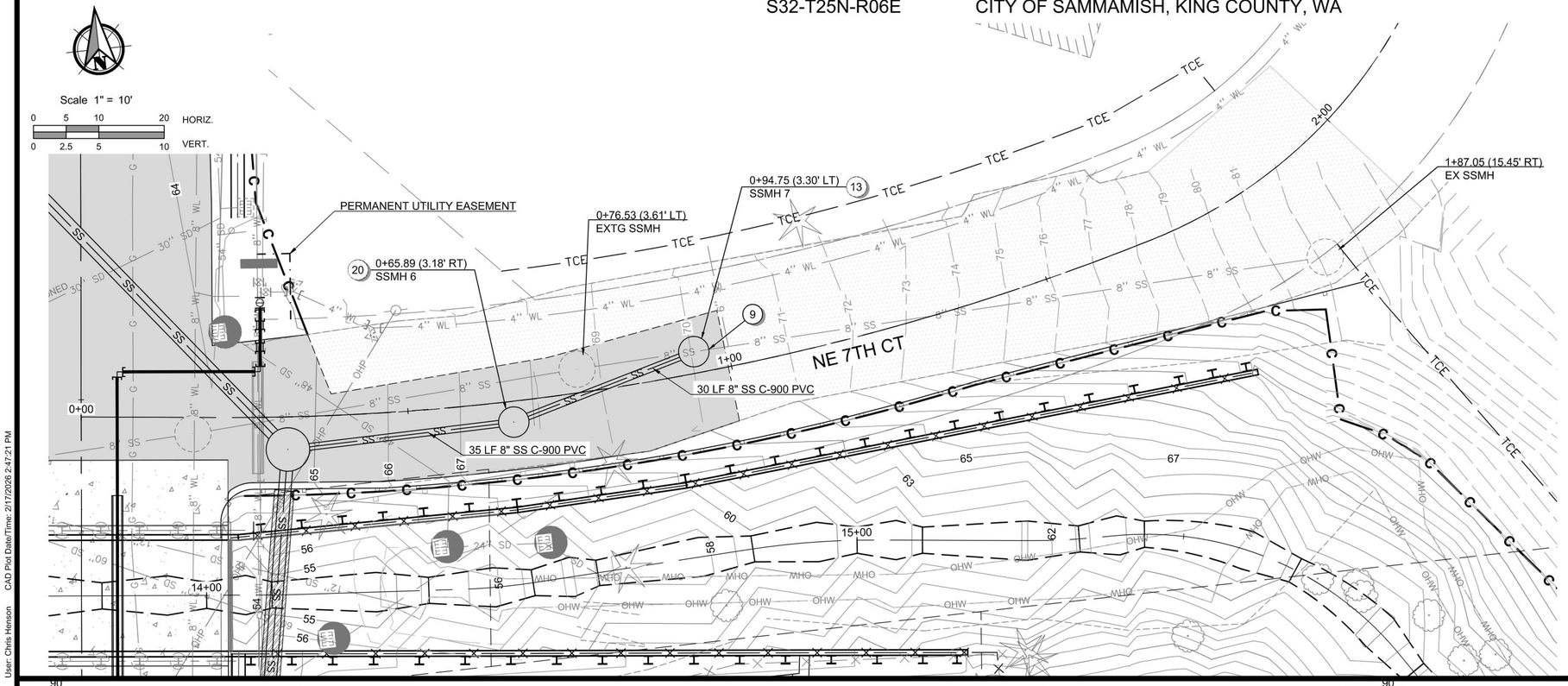
DESIGNED: SR
CHECKED: CMK
NOVEMBER 2025
45015-004

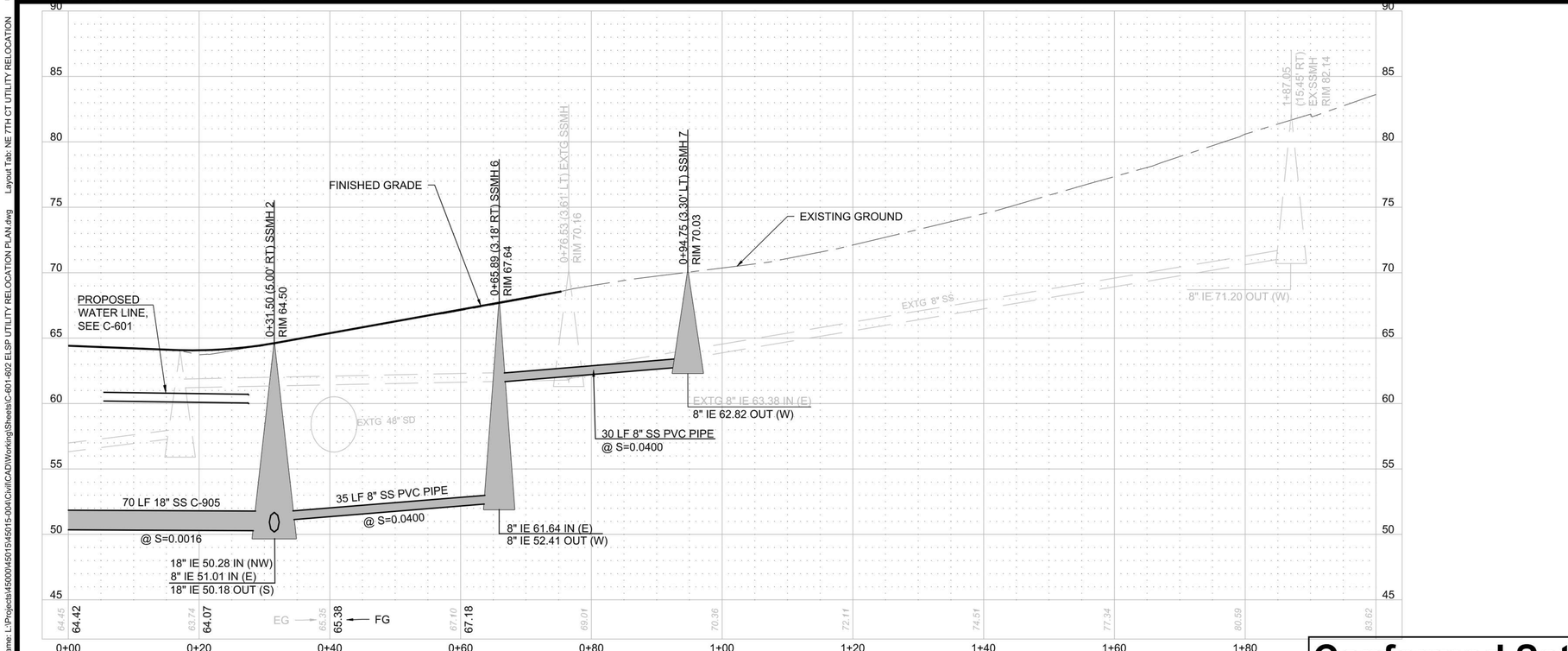
SHEET ID
C-601
SHEET 52 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-601-602 ELSP UTILITY RELOCATION PLAN.dwg Layout Tab: E LAKE SAMMAMISH PKWY NE UTILITY RELOCATION User: Justin Sullivan CAD Plot Date/Time: 3/10/2026 2:58:04 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA





Conformed Set

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

GENERAL NOTES:

1. ALL WATER AND GAS PIPES SHALL BE CEMENT-LINED, CLASS 52 DUCTILE IRON.
2. ALL WATER PIPES AND FITTINGS SHALL BE RESTRAINED JOINTS.
3. SEE SITE PREP PLANS, SHEETS C-301 - C-303 FOR EXISTING FEATURES AND UTILITIES.
4. CONTRACTOR SHALL CONFIRM EXISTING PIPE SIZES, MATERIALS, AND DEPTHS PRIOR TO CONSTRUCTION BY POTHOLING.
5. PROPOSED WATER MAIN AND SEWER SHALL BE PRESSURE AND PURITY TESTED PER SAMMAMISH PLATEAU WATER AND SEWER DISTRICT (SPW) TECHNICAL SPECIFICATIONS.
6. THE DISTRICT SHALL REQUIRE ALL RUNS OF SEWER PIPE TO BE INSPECTED BY THE USE OF A TELEVISION CAMERA NOT LESS THAN 30 DAYS AFTER THE TRENCH BACKFILL AND COMPACTION HAS BEEN COMPLETED PER SAMMAMISH PLATEAU WATER AND SEWER DISTRICT (SPW) TECHNICAL SPECIFICATIONS.
7. PROPOSED SEWER RELOCATION SHALL NOT BE CONSTRUCTED UNTIL ALL COMPONENTS OF THE SEWER BYPASS ARE INSTALLED AND FUNCTIONING PROPERLY.
8. CONTRACTOR TO DESIGN THE TEMPORARY SANITARY SEWER BYPASS SYSTEM. SEE SHEET C-603 FOR DETAILS.
9. CUT-IN ("SADDLE") MANHOLE ARE SUBJECT TO THE FOLLOWING REQUIREMENTS:
   A. THE CONTRACTOR SHALL BYPASS PUMP THE SEWER DURING INSTALLATION OF SSMH-1 AND SSMH-5 CUT-IN MANHOLE. CONTRACTOR TO SUBMIT A BYPASS PUMP PLAN TO DISTRICT PRIOR TO THE PRECONSTRUCTION MEETING.
   B. CUT-IN ("SADDLE") MANHOLE TO CONFORM TO ALL DISTRICT REQUIREMENTS. EXISTING SLOPE OF SEWER MAIN SHALL BE CONVEYED THROUGH THE MANHOLE.
   C. 10' OF EXISTING SANITARY SEWER PIPE TO BE REPLACED ON ONE SIDE OF CUT-IN MANHOLE AS SHOWN IN THE PLANS.
   D. MATCH IE OF EXISTING INCOMING PIPE BASED ON SLOPE OF EXISTING MAIN. INFORM ENGINEER IF INCOMING PIPE DOES NOT MATCH PLANS.

UTILITY NOTES:

1. 23 FT X 44 FT BRIDGE.
2. 72-INCH SANITARY SEWER MANHOLE PER SAMMAMISH PLATEAU STANDARD DETAIL, SHEET C-604.
3. FIRE HYDRANT ASSEMBLY PER SAMMAMISH PLATEAU STANDARD DETAIL, SHEET C-606, CUT SECTION. CULVERT MAY BE REQUIRED AT DITCH.
4. POUR CONCRETE BLOCK BETWEEN TEE AND EXISTING DEADMAN. DISTRICT TO INSPECT ANY REQUIRED FORMWORK PRIOR TO PLACING CONCRETE.
5. CONNECT TO EXISTING WATER MAIN, SEE SHEETS C-607 AND C-608. COORDINATE WITH SAMMAMISH PLATEAU WATER AND SEWER DISTRICT. MINIMUM OF 7 DAY NOTICE TO DISTRICT IS REQUIRED.
6. EXISTING GAS MAIN TO BE RELOCATED BY PSE PRIOR TO CONSTRUCTION.
7. 32 LF 36" PIPE CASING FOR SEWER MAIN. SEE SHEET C-605 FOR DETAIL.
8. ABANDON 48" STORM DRAIN BEFORE INSTALLING WATER MAIN. CONTRACTOR SHALL:
   - DEFORM 48" STORM IF NEEDED TO ENSURE MIN 12" CLEARANCE BENEATH NEW WATER PIPE.
   - MAINTAIN STREAM BYPASS PIPING THROUGH EXISTING 48" STORM DRAIN.
9. CONNECT TO EXISTING SEWER STRUCTURE OR PIPE.
10. WATER METER AND 16 LF 1-INCH SERVICE LINE PER SAMMAMISH PLATEAU STANDARD DETAILS, SHEET C-606.
11. 72-INCH SANITARY SEWER CUT-IN SADDLE MANHOLE PER SAMMAMISH PLATEAU STANDARD DETAIL, SHEET C-605.
12. SINGLE SIDE SEWER PER SAMMAMISH PLATEAU STANDARD DETAIL, SHEET C-604.
13. 48-INCH SANITARY SEWER MANHOLE PER SAMMAMISH PLATEAU STANDARD DETAIL, SHEET C-604.
14. AFTER ALL SEWER INFRASTRUCTURE IS COMPLETED ALONG THE NEW ALIGNMENT, UTILIZE A SHORT-TERM TEMPORARY BYPASS TO PLUG AND REMOVE THE SEWER PIPE; CAP UPSTREAM END PER SPWD REQUIREMENTS.
15. 6-INCH 90° BEND (RJ).
16. 1 - 8" TEE (FL x MJ)
    1 - 8" GV (FL x MJ)
    1 - HYDRANT ASSEMBLY
17. 1" SERVICE CONNECTION PER SAMMAMISH PLATEAU STANDARD DETAIL, SHEET C-606.
18. 32 LF 16" PIPE CASING FOR WATER MAIN. SEE SHEET C-608 FOR DETAIL.
19. LOCATE MANHOLE LID ON CUT SLOPE AWAY FROM BOTTOM OF DITCH.
20. 48-INCH SANITARY SEWER DROP MANHOLE PER SAMMAMISH PLATEAU STANDARD DETAIL, SHEET C-604.

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

NE 7TH CT UTILITY RELOCATION FOR: GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT

SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.



DESIGNED: SR
CHECKED: CMK
NOVEMBER 2025
45015-004

SHEET ID
C-602
SHEET 53 OF 108

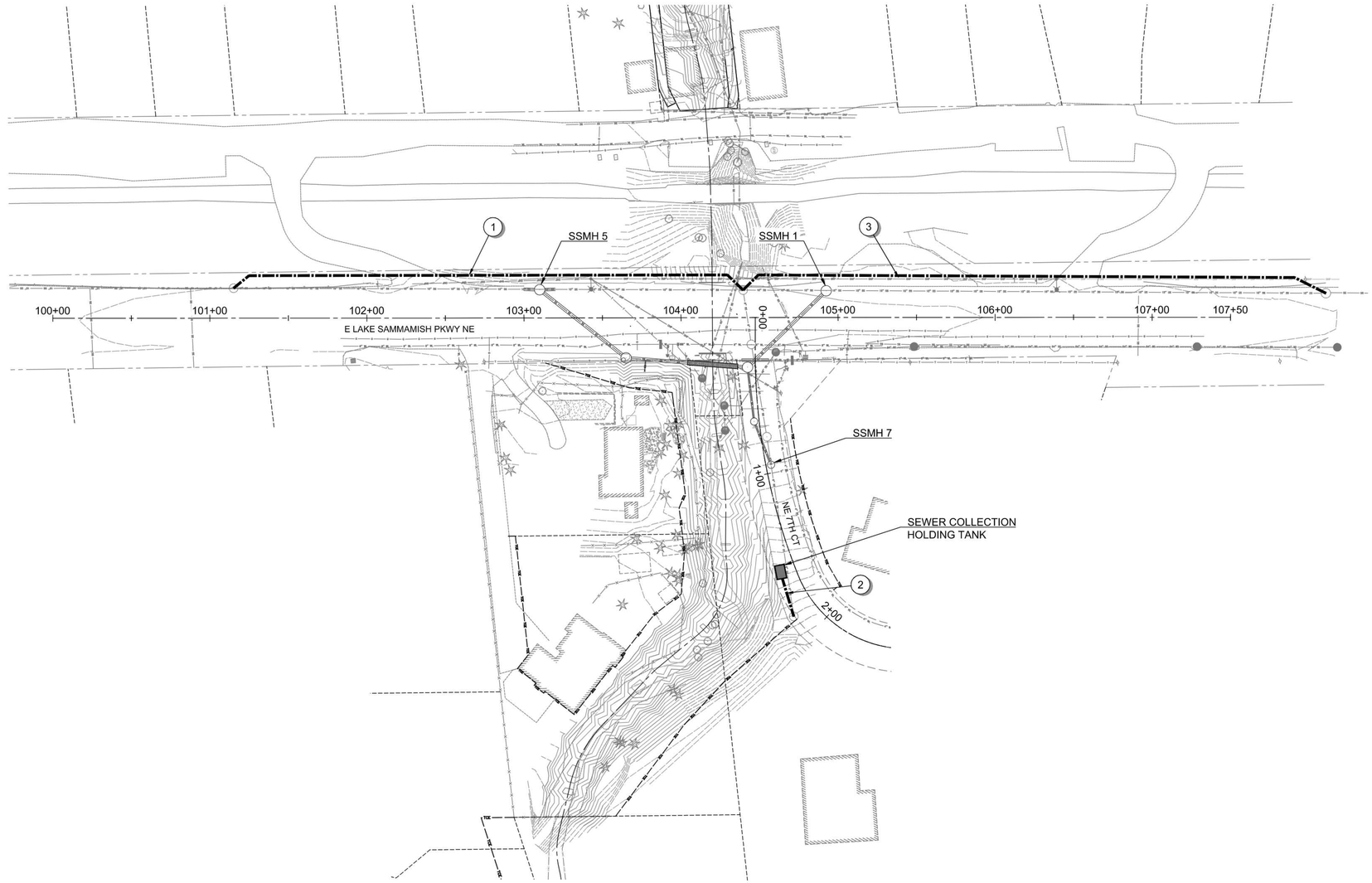
Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-601-602 ELSP UTILITY RELOCATION PLAN.dwg Layout Tab: NE 7TH CT UTILITY RELOCATION User: Chris Henson CAD Plot Date/Time: 2/17/2026 2:47:21 PM

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA

Scale 1" = 40'

0 20 40 80 HORIZ.

0 10 20 40 VERT.



GENERAL NOTES:

1. BASIS OF DESIGN SHOWN IS FOR INFORMATION ONLY. THIS PLAN DEPICTS ONE POSSIBLE METHOD OF IMPLEMENTING A TEMPORARY WASTEWATER BYPASS DURING CONSTRUCTION OF THE SANITARY SEWER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, MEANS, AND METHODS OF THE BYPASS SYSTEM AND MAY PROPOSE AN ALTERNATE BYPASS SYSTEM.
2. THE CONTRACTOR SHALL SUBMIT A TEMPORARY WASTEWATER BYPASS PLAN TO THE SAMMAMISH PLATEAU SEWER DISTRICT FOR REVIEW AND APPROVAL IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SPECIAL PROVISIONS.
3. THE BYPASS SYSTEM MAY BE ABOVE GROUND, BURIED, OR A COMBINATION OF BOTH. THE CONTRACTOR SHALL RESTORE ALL AREAS IMPACTED BY THE BYPASS SYSTEM UPON COMPLETION OF SEWER CONSTRUCTION.
4. THE CONTRACTOR SHALL PROVIDE POWER FOR THE GRINDER PUMP SYSTEM AND COORDINATE WITH PUGET SOUND ENERGY (PSE) IF UTILITY POWER IS PROPOSED. BACKUP POWER SHALL BE PROVIDED AS REQUIRED BY THE SPECIAL PROVISIONS.
5. THE CONTRACTOR SHALL EMPTY THE SEWER COLLECTION HOLDING TANK AS REQUIRED TO CONSTRUCT THE WORK AND AS DESCRIBED IN THE TEMPORARY WASTEWATER BYPASS PLAN.
6. SEE SHEETS C-601 - C-602 FOR WATER AND SEWER RELOCATION PLANS.
7. SEE SHEETS C-351 - C-356 FOR PROPOSED CONSTRUCTION SEQUENCING PLANS.

UTILITY NOTES:

1. BYPASS FOR CONSTRUCTION OF SSMH 5 ON EAST LAKE SAMMAMISH PARKWAY
2. BYPASS FOR CONSTRUCTION OF SSMH 7 ON NE 7TH CT
3. BYPASS FOR CONSTRUCTION OF SSMH 1 ON EAST LAKE SAMMAMISH PARKWAY

LEGEND

TEMPORARY CONSTRUCTION EASEMENT — TCE — TCE — TCE —

SANITARY SEWER BYPASS

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

SEWER BYPASS PLAN FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.



02/16/2026

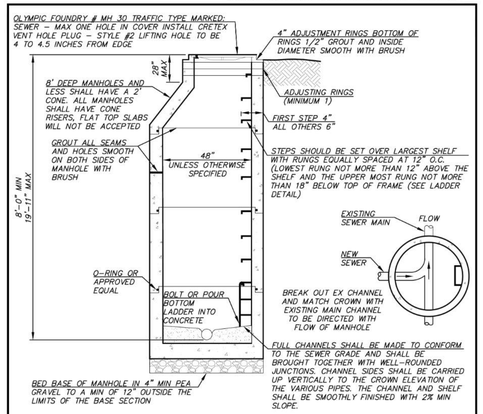
DESIGNED: SR
CHECKED: CMK
NOVEMBER 2025
45015-004

SHEET ID
C-603

SHEET 54 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CADWorkingSheets\C-603 SEWER BYPASS.dwg Layout Tab: SEWER BYPASS PLAN User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:41:47 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

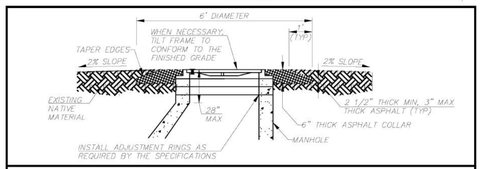


NOTES

1. BACKFILLING AND MECHANICAL COMPACTION SHALL BE PERFORMED CAREFULLY SO THAT NO DAMAGE IS IS DONE TO THE PIPE OR TO ITS ALIGNMENT. THE DISTRICT MAY DIRECT THE CONTRACTOR TO USE SPECIAL BACKFILL TECHNIQUES WHEN THE DISTRICT DEEMS IT NECESSARY. COMPACTION IS TO MEET KING COUNTY REQUIREMENTS.
2. MANHOLES SET IN PAVED STREETS OR OTHER PAVED AREAS SHALL BE SET TO FINISHED GRADE OF THE PAVING, AND WHEN REQUIRED THE MANHOLE FRAME SHALL BE TILTED TO CONFORM TO THE GRADE OF THE PAVED SURFACE. REMOVE ASPHALT FROM COVER AFTER PAVING.
3. ASPHALT PATCH WILL BE REQUIRED ON ALL MANHOLES INSTALLED ON THE SHOULDER OF THE ROADWAY. (SEE SANITARY MANHOLE ASPHALT PATCH DETAIL).
4. IF MANHOLE IS INSTALLED ON UNIMPROVED GROUND SET MANHOLE TOP 6" ABOVE GRADE WITH LOCKING COVER AND FRAME (OLYMPIC FOUNDRY #MH 30 D/T) AND ASPHALT PATCH (SEE MANHOLE ASPHALT ASPHALT COLLAR DETAIL).
5. BASE SECTION OPENINGS TO RECEIVE PIPE SHALL BE CIRCULAR CORE-DRILLED OR KNOCK-OUTS. KOR-N-SEAL CONNECTOR REQUIRED.
6. HORIZONTAL DISTANCE BETWEEN MANHOLES SCALED FROM WORKSHEETS AND ROADWAY PLAN AND PROFILES. ACTUAL DISTANCES TO THE COMPUTED AT TIME OF STAKING.
7. MANHOLES BETWEEN 6-FEET AND 8-FEET DEEP REQUIRE WRITTEN DISTRICT APPROVAL. MANHOLES LESS THAN 6 FEET DEEP ARE NOT ALLOWED.
8. MANHOLES 20' AND GREATER IN DEPTH SHALL BE 60" DIAMETER. FOR PIPE 15" OR GREATER DIAMETER, MANHOLES SHALL BE 72" DIAMETER.

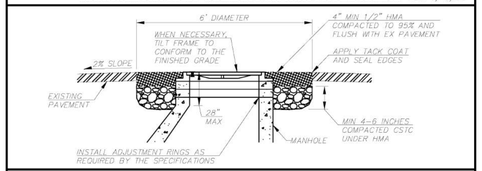
STANDARD SANITARY MANHOLE

REV. 10/19/17



MANHOLE ASPHALT COLLAR FOR NON-PAVED AREAS

REV. 3/18/22



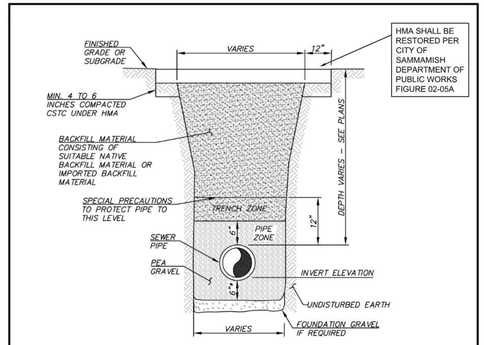
MANHOLE PAVEMENT PATCH FOR PAVED AREAS

REV. 3/18/22

NOTES REV. 3/18/22

1. CONTRACTOR SHALL WARRANTY MANHOLE ADJUSTMENT AREA FREE FROM LEAKS FOR ONE YEAR.
2. MANHOLE FRAMES SHALL BE RAISED TO GRADE AFTER PLACEMENT OF THE ASPHALT'S FINAL LIFT OR FINISH SURFACING, AND WITHIN 48 HOURS UNLESS OTHERWISE APPROVED BY THE DISTRICT.
4. CONTRACTOR SHALL PROTECT THE SEWER SYSTEM FROM DEBRIS OR BE RESPONSIBLE FOR ANY DOWNSTREAM CLEANING. INSTALL CHANNEL BOARD IN MANHOLE PRIOR TO ANY WORK, AND REMOVE AFTER FINAL ADJUSTMENT BUT NO LATER THAN THE END OF THE WORK DAY.
6. PRIOR TO ADJUSTMENT, NOTIFY DISTRICT IF THE FINAL MANHOLE NECK WILL EXCEED 28".
7. NEATLY REMOVE ANY ASPHALT AROUND EXISTING CASTING, EXCAVATE TO A MIN. DEPTH OF 12" OR AS REQUIRED FOR THE PROPOSED WORK. REMOVE THE CASTING, BRICKS AND ANY DAMAGED RINGS SO THAT THERE IS A CLEAN SMOOTH SURFACE, AND INSTALL NEW ADJUSTMENT RINGS.
8. WHERE CONCRETE RINGS ARE BEING INSTALLED, GROUT BETWEEN EACH RING AND ON THE EXTERIOR SIDE OF THE MANHOLE NECK. TILT FRAME AS NECESSARY TO MATCH THE EXISTING GRADE. ADJUSTMENT BRICKS, RECESSED FOR GROUTING, CAN BE UTILIZED. GROUT THE CASTING IN PLACE. DO NOT GROUT THE INTERIOR SURFACE OF THE MANHOLE NECK UNTIL AFTER THE FINAL LIFT OF HMA HAS BE INSTALLED AND COMPACTED. DO NOT RUN GROUT ONTO THE INTERIOR SURFACE OF THE CASTING. "JETSET" TYPE GROUT IS NOT ALLOWED.
9. WHERE AN EXPANDED POLYPROPYLENE (EPP) ADJUSTMENT SYSTEM IS SPECIFIED, REMOVE ALL CONCRETE RINGS AND BRICKS TO EXPOSE THE TOP SURFACE OF THE MANHOLE STRUCTURE. CLEAN AND REPAIR THE CONCRETE SURFACE AS NEEDED AND INSTALL THE PRO-RING SYSTEM AS MANUFACTURED BY CRETEX SPECIALTY PRODUCTS IN ACCORDANCE THE MANUFACTURE'S RECOMMENDATIONS. UTILIZE THE PRO-RING ANGLE RING TO TILT THE FRAME AS NECESSARY TO MATCH THE EXISTING GRADE. WHERE A FUTURE FINAL ASPHALT LIFT IS ANTICIPATED, CONTACT THE DISTRICT TO DETERMINE HOW TO INSTALL THE FINISH AND ANGLE RING.
10. BACKFILL WITH CRUSHED SURFACING TOP COURSE (CSTC) COMPACTED TO 95% (MODIFIED PROCTOR), AND INSTALL 1/2" HMA IN 2-INCH LIFTS, TO A COMPACTED DEPTH EQUAL TO THE EXISTING PAVEMENT OR A MINIMUM OF 4", WHICHEVER IS GREATER, OR 6" IN UN-PAVED AREAS. TACK ALL EDGES AND SEAL FINISH JOINTS WITH TAR AND SAND.

GENERAL NOTES FOR ASPHALT COLLAR/PATCHES AROUND MANHOLES

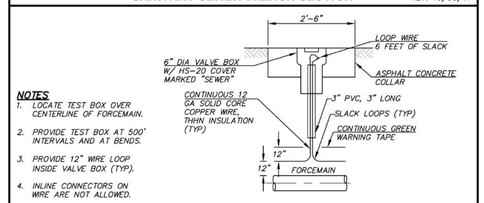


NOTES

1. * FOR PIPE DEEPER THAN 18', PIPE BEDDING SHALL EXTEND 18" ABOVE CROWN OF PIPE
2. NOT TO SCALE

SANITARY SEWER TRENCH SECTION

REV. 10/30/17

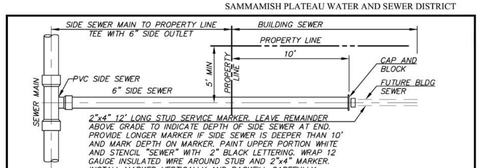


NOTES

1. LOCATE TEST BOX OVER CENTERLINE OF FORCEMAIN.
2. PROVIDE TEST BOX AT 500' INTERVALS AND AT BENDS.
3. PROVIDE 12" WIRE LOOP INSIDE VALVE BOX (TYP).
4. INLINE CONNECTORS ON WIRE ARE NOT ALLOWED.

FORCEMAIN TRACER WIRE LOCATE STATION

REV. 10/19/17

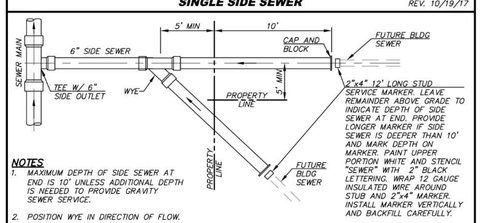


NOTES

1. MAXIMUM DEPTH OF SIDE SEWER AT END IS 10' UNLESS ADDITIONAL DEPTH IS NEEDED TO PROVIDE GRAVITY SEWER SERVICE.
2. FOR MULTI-FAMILY AND/OR COMMERCIAL PROJECTS, SIDE SEWERS MAY BE EXTENDED, AT THE DISTRICT'S DISCRETION, FROM THE EDGE OF THE ROAD OR PROPERTY LINE TO WITHIN 3 FEET OF THE BUILDING FOUNDATION.

SINGLE SIDE SEWER

REV. 10/19/17



NOTES

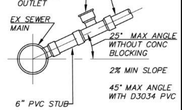
1. MAXIMUM DEPTH OF SIDE SEWER AT END IS 10' UNLESS ADDITIONAL DEPTH IS NEEDED TO PROVIDE GRAVITY SEWER SERVICE.
2. POSITION WYE IN DIRECTION OF FLOW.

DOUBLE SIDE SEWER

REV. 10/19/17

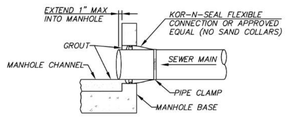
NOTES

1. CONNECTION OF NEW SIDE SEWER TO EXISTING MAIN MAY USE EITHER:
   - CUT IN TEE W/ PVC SLIP COUPLINGS.
   - ROMAC SST STAINLESS STEEL TAPPING SLEEVE W/ FL X MJ ADAPTER AND GASKET SIZED FOR D3034 PVC SIDE SEWER. ROMAC SIDE SEWER SADDLE, MODEL CB, IS NOT ALLOWED.
2. UNLESS OTHERWISE SHOWN ON PLAN, MINIMUM COVER FOR SIDE SEWERS (WHICHEVER IS LOWER):
   - 18" – PRIVATE PROPERTY
   - 3' – AT PROPERTY LINE
   - 2'-6" IF CROSSING A DITCH IN PUBLIC RIGHT OF WAY LOWER THAN THE LOWEST HOUSE ELEVATION



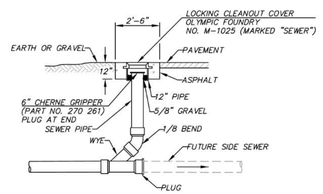
SIDE SEWER DETAILS

REV. 10/19/17



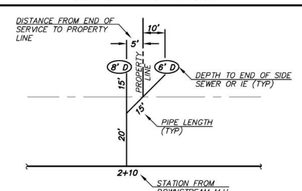
SANITARY MANHOLE INLET CONNECTION

REV. 10/19/17



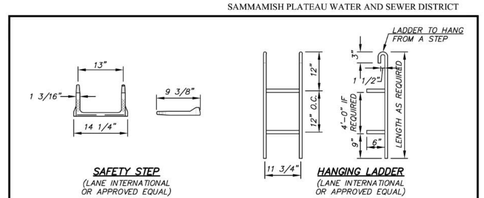
SIDE SEWER CLEANOUT

REV. 10/19/17



SIDE SEWER AS-BUILT

REV. 10/19/17



SAFETY STEP (LANE INTERNATIONAL OR APPROVED EQUAL)

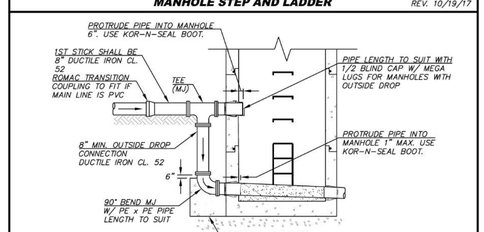
HANGING LADDER (LANE INTERNATIONAL OR APPROVED EQUAL)

NOTES

1. POLYPROPYLENE PLASTIC STEPS SHALL BE A POLYPROPYLENE PLASTIC STEP INJECTION MOLDED AROUND A 1/2 INCH DIAMETER ASTM A-615, GRADE 60, STEEL REINFORCING BAR. INSTALLATION AS PER THE MANUFACTURER'S SPECIFICATIONS.
2. POLYPROPYLENE PLASTIC LADDER SHALL HAVE A POLYPROPYLENE PLASTIC STEP INJECTION MOLDED AROUND A 1/2 INCH DIAMETER ASTM A-615, GRADE 60, STEEL REINFORCING BAR, AND A POLYPROPYLENE PLASTIC RAIL INJECTION MOLDED AROUND A 9/16 INCH DIAMETER ASTM C-1018, COLD DRAWN BAR. INSTALLATION AS PER THE MANUFACTURER'S SPECIFICATION.

MANHOLE STEP AND LADDER

REV. 10/19/17



NOTES

1. ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE PROTECTO 401 LINED.
2. DROP MANHOLE SHALL MEET ALL REQUIREMENTS AS STATED IN THE STANDARD MANHOLE DETAIL, MATERIALS AND CONSTRUCTION NOTES.
3. DROP MANHOLES SHALL ONLY BE USED IN STRAIGHT FLOW-THROUGH LOCATIONS (NO 90° TURNS).
4. ALL DUCTILE IRON FITTINGS WITH MEGA-LUGS.
5. VERTICAL BEND MAY BE REQUIRED DUE TO PIPE SLOPE CONDITIONS AT DUCTILE IRON TEE.

DROP MANHOLE

REV. 10/19/17

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

SEWER DETAILS FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

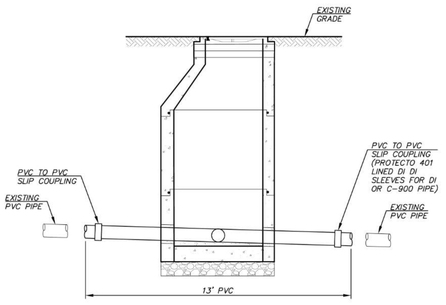
811 Know what's below. Call before you dig.

DESIGNED: SR
CHECKED: CMK
NOVEMBER 2025
45015-004

SHEET ID
C-604
SHEET 55 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CADWorking\Sheets\C-603-606 Sewer and Water Details.dwg Layout Tab: SEWER DETAILS User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:42:20 PM

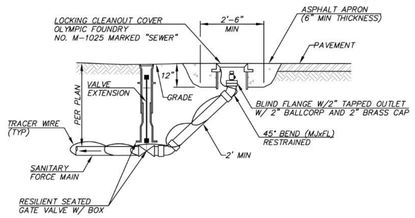
Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.



NOTES:

1. PRIOR TO CUTTING THE EXISTING SEWER MAIN, THE CONTRACTOR SHALL HAVE EXACT MEASUREMENTS OF THE EXISTING PIPE INVERTS AND LENGTH MEASUREMENTS FOR INSTALLATION OF THE NEW MANHOLE AND NEW SEWER MAIN.
2. THE CONTRACTOR'S EXCAVATION SHALL BE ADEQUATE TO INSTALL THE SADDLE MANHOLE PRIOR TO CUTTING THE EXISTING SEWER MAIN.
3. THE CONTRACTOR SHALL BYPASS PUMP THE SEWER FLOW DURING THIS INSTALLATION.
4. THE CONTRACTOR SHALL HAVE A VACTOR TRUCK AVAILABLE FOR THIS CONSTRUCTION WORK.
5. SEE DISTRICT STANDARD MANHOLE DETAIL FOR OTHER SPECIFIC INSTALLATION REQUIREMENTS.
6. FOR A 72-INCH MANHOLE USE ROMAC DUCTILE IRON (DI) / PVC COUPLING TO CONNECT NEW PIPE TO EXISTING PIPE. USE 15-FOOT PIPE SEGMENT THROUGH MANHOLE.

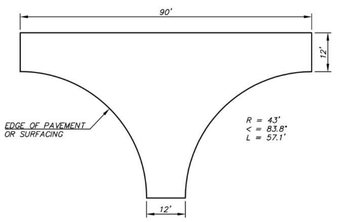
CUT-IN ("SADDLE") MANHOLE REV. 10/19/17



NOTES:

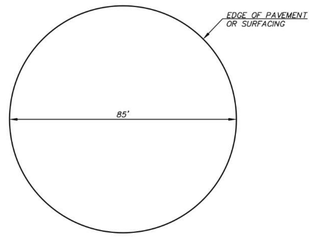
1. VALVES, VALVE BOXES AND VALVE EXTENSIONS SHALL MEET THE SAME REQUIREMENTS AS SHOWN IN THE STANDARD WATER DETAILS. VALVE BOX COVERS SHALL BE OLYMPIC FOUNDRY 940 OR EQUAL MARKED "SEWER".
2. VALVE MARKER POSTS SHALL MEET THE SAME REQUIREMENTS AS SHOWN IN THE WATER DETAILS AND BE PAINTED AS SPECIFIED IN THE STANDARD CONSTRUCTION NOTES.
3. ALL D.I. PIPE AND FITTINGS SHALL BE PROTECTOR 401 EPOXY COATED. ALL PIPE AND FITTINGS SHALL BE RESTRAINED JOINT.

SANITARY FORCE MAIN CLEANOUT, TYPE II REV. 10/19/17

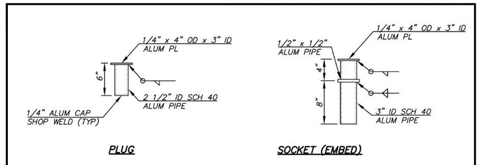


REV. 10/19/17

VACTOR TRUCK MINIMUM HAMMERHEAD TURNAROUND

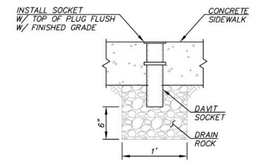


VACTOR TRUCK MINIMUM CIRCULAR TURNAROUND REV. 10/19/17

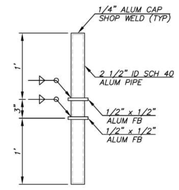


PLUG SOCKET (EMBED)

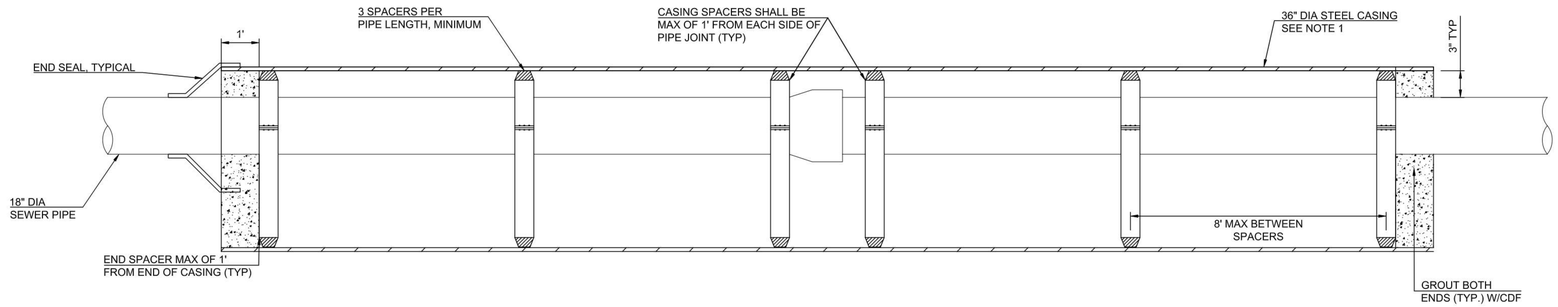
RECESSED SOCKET REV. 10/19/17

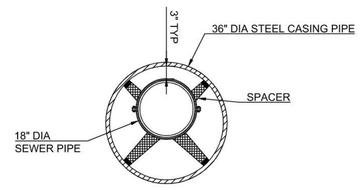


DAVIT SOCKET INSTALLATION SECTION REV. 10/19/17



DAVIT SPINDLE REV. 10/19/17





NOTES:

1. PIPE CASING SHALL BE SMOOTH STEEL, BARE PIPE, 0.375-INCH MINIMUM WALL THICKNESS, AND COMPLY WITH ASTM A139, GRADE C, WITH A MINIMUM STEEL YIELD OF 36,000 PSI.
2. CASING SPACERS SHALL BE CALPICO INC. MODEL M-SERIES OR EQUAL AS APPROVED BY SAMMAMISH PLATEAU WATER.
3. THE INTERIOR OF THE CASING SHALL BE AIR BLOWN SAND FILLED AND THE ENDS GROUTED WITH CDF.
4. THE CONTRACTOR SHALL PROVIDE CASING, CASING SPACER, AND OTHER CASING DETAILED SHOP DRAWINGS IN ADVANCE OF CONSTRUCTION.

1 **PIPE CASING DETAIL FOR SEWER**
NOT TO SCALE

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

SEWER DETAILS FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.



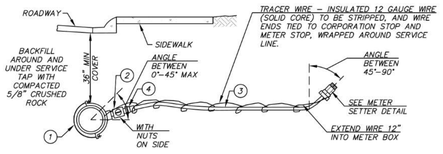
02/16/2026

DESIGNED: SR
CHECKED: CMK
NOVEMBER 2025
45015-004

SHEET ID
C-605
SHEET 56 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-603-606 Sewer and Water Details.dwg Layout Tab: C-604 SEWER DETAILS User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:42:24 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.



ITEM	DESCRIPTION	FORD PART NO	MUELLER PART NO	A.Y. MCDONALD	OTHER PART NO.	QTY
1	1" SADDLE I.P.T.	N/A	N/A	N/A	ROMAC 2025	1
2	1" CORPSTOP (MIP×MIP)	FB500-4	B2996	3131B1	N/A	1
3	1" HDPE PIPE	—DRISCOPLEX 5100 ULTRA LINE SDR7 200 PSI IPS OR PW EAGLE—				1
4	1" FIP×COMPRESSION ADAPTOR W/ STAINLESS STEEL STIFFENER	C16-44P INSERT 53-72	H15454.10 505142	4754-33 6136	N/A N/A	2

* QUICK JOINT ACCEPTABLE, GRIP JOINT NOT ACCEPTABLE

1" SERVICE LINE

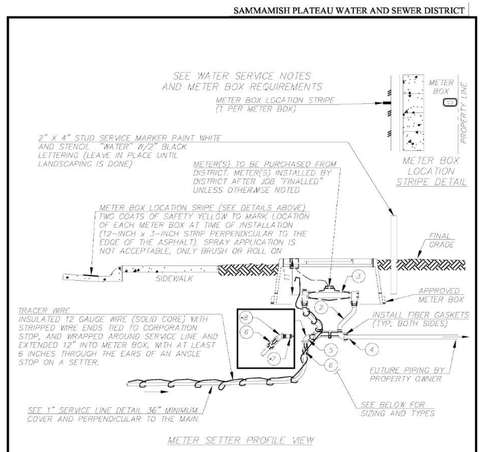
REV. 10/19/17

NOTES

1. ALL PIPE AND FITTINGS TO BE ASSEMBLED WITH TEFLON TAPE AND PIPE DOPE UNLESS OTHERWISE NOTED.
2. SERVICE LINES SHALL BE INSTALLED PERPENDICULAR TO THE WATER MAIN.
3. THE SERVICE LINE SHALL BE INSTALLED TO ALLOW FOR THE FAR SIDE OF THE METER BOX TO BE INSTALLED ON THE R/O/W AND CENTERED ON THE PROPERTY LINE OR EASEMENT LINE, UNLESS OTHERWISE DIRECTED BY THE DISTRICT.
4. THE METER BOX SHALL BE INSTALLED WITH THE FAR SIDE OF THE METER BOX (BACK SIDE) ON THE R/O/W, PROPERTY LINE OR EASEMENT LINE, IN LANDSCAPED (NON-TRAFFIC, NON-CRUSHED SURFACING TOP COARSE, NON-CONCRETE) AREAS.
5. BACKFILL AROUND METER BOXES AND SETTERS SHALL BE WITH IMPORTED BACKFILL, OR WITH NATIVE MATERIAL THAT MEETS THE REQUIREMENTS FOR IMPORTED BACKFILL, EXCEPT THAT 100% SHALL PASS 2" SQUARE. PEA GRAVEL OR SAND ARE NOT ALLOWED.
6. PROVIDE AT LEAST 18-INCHES CLEARANCE FROM ALL OTHER UTILITIES, BUSHES, AND OBSTRUCTIONS. PROVIDE AT LEAST 5-FEET FROM ALL TREES, AND STRUCTURES. NO FENCES OR ROCKERIES SHALL BE PLACED BETWEEN THE METER BOX AND THE MAIN.
7. METER BOXES LOCATED WITHIN 2 FEET OF DRIVEWAYS, PAVED AREAS, OR AREAS WHERE THE BOX CAN BE SUBJECTED TO VEHICULAR TRAFFIC, SHALL BE A TRAFFIC BEARING METER BOX AS NOTED BELOW. LOCATING A METER BOX IN AN AREA SUBJECT TO VEHICULAR TRAFFIC REQUIRES WRITTEN DISTRICT APPROVAL DURING DESIGN. METER BOXES THAT BECOME LOCATED IN TRAFFIC AREAS DURING OR AFTER CONSTRUCTION WITHOUT DISTRICT WRITTEN APPROVAL DURING DESIGN SHALL BE ABANDONED AT THE MAIN AND A NEW SERVICE SHALL BE INSTALLED TO A LANDSCAPED (NON-TRAFFIC) AREA.
8. WHERE TRAFFIC BEARING METER BOXES ARE USED WITHIN A CONCRETE SURFACE, A 5/8 INCH EXPANSION JOINT SHALL BE PROVIDED AROUND THE BOX WITH AN EIGHTEEN (18) INCH GAP BETWEEN THE EXPANSION JOINT AND METER BOX ON ALL SIDES.
9. APPROVED METER BOXES SHALL BE AS FOLLOWS:
   A) APPROVED METER BOXES FOR SINGLE SERVICES IN NON-TRAFFIC AREAS: CARSON 1220-12
   B) FOR SINGLE SERVICE IN TRAFFIC AREAS: FOGTITE B10 W/ALUMINUM LID.
10. MAINTAIN AND LEAVE SERVICE MARKER IN PLACE UNTIL LANDSCAPING IS DONE.
11. ANY DEVIATION FROM THESE ABOVE STANDARDS SHALL REQUIRE A WRITTEN VARIANCE REQUEST TO THE DISTRICT FOR REVIEW AND CONSIDERATION.

REV. 10/27/17

WATER SERVICE NOTES AND METER BOX REQUIREMENTS



METER SETTER PROFILE VIEW

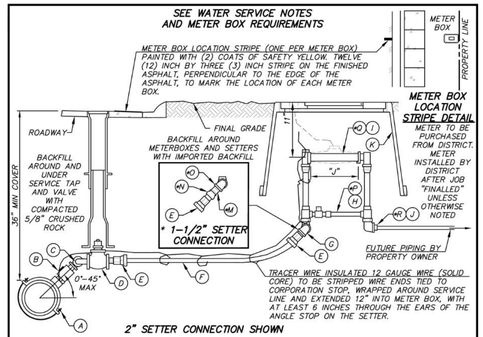
SINGLE 1" METER SETTER

ITEM	DESCRIPTION	FORD PART NO	MUELLER PART NO	A.Y. MCDONALD	OTHER PART NO	QTY
1	NOT REQUIRED					
2	1" METER SETTER	VB174-12W-11-44-NL	N/A	N/A		1
3	1-1/4" x 11" IDLER W/WASHERS	PVC SCH 80				1
4	1" PVC PLUG	PVC SCH 40/80				1
5	1" BRASS 90° STREET ELL					1
6	1" MIP x 1" IPS PAC JOINT W/ STIFFENER	FDCB9X44	H15429	473-CP	N/A	1
•(7)	1" x 3" BRASS NIPPLE (OPTIONAL)					
•(8)	1" BRASS 45° BEND OR ELL (OPTIONAL)					

* OPTIONAL

1" METER SETTER

REV. 12/12/24



2" SETTER CONNECTION SHOWN

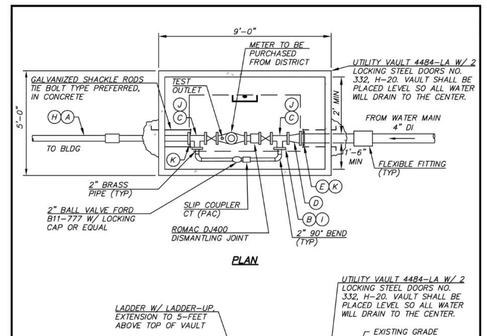
NOTES

1. ALL PIPE AND FITTINGS TO BE ASSEMBLED WITH TEFLON TAPE AND PIPE DOPE UNLESS OTHERWISE NOTED.
2. METER BOXES LOCATED WITHIN 2 FEET OF DRIVEWAYS, PAVED AREAS, OR AREAS WHERE THE BOX CAN BE SUBJECTED TO VEHICULAR TRAFFIC OR AT THE DIRECTION OF THE DISTRICT, SHALL BE A FOGTITE TYPE 2 METER BOX WITH A STEEL REINFORCED LID.
3. WHERE TRAFFIC BEARING METER BOXES ARE USED WITHIN A CONCRETE SURFACE, A 5/8 INCH EXPANSION JOINT SHALL BE PROVIDED AROUND THE BOX WITH AN EIGHTEEN (18) INCH GAP BETWEEN THE EXPANSION JOINT AND METER BOX ON ALL SIDES.
4. METER BOXES TO BE INSTALLED IN NON TRAFFIC AREAS. ALTERNATIVE LOCATIONS REQUIRE WRITTEN DISTRICT APPROVAL.
5. METER BOXES SHALL BE INSTALLED WITH THE FAR SIDE OF THE BOX (BACK SIDE) ON THE R/O/W, PROPERTY OR EASEMENT LINE, UNLESS OTHERWISE DIRECTED BY THE DISTRICT. SERVICES SHALL BE INSTALLED PERPENDICULAR TO THE WATER MAIN.

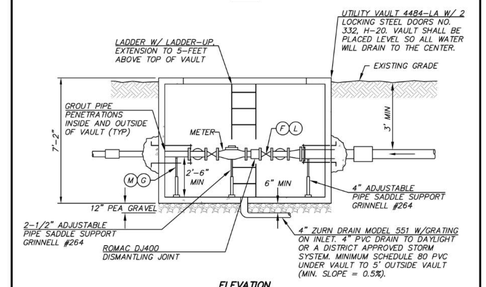
ITEM	QTY	DESCRIPTION
A	1	2" ROMAC SADDLE IPT, STYLE #2025, DOUBLE STRAP
B	1	2" CORPORATION STOP MIP X MIP, W/ NUT ON TOP (FORD# FB500, MUELLER# B2996, A.Y. MCDONALD# 3131B)
C	2	2" BRASS STREET ELBOW (SWING JOINT)
D	1	2" (RSDV) GATE VALVE X FIP W/SQUARE OPERATING NUT W/ CAST IRON VALVE BOX AND LONG SKIRT LID
E	1	2" PACK JOINT W/STAINLESS STEEL STIFFENER X MIP (FORD# C86-77, MUELLER # C15929)
F	VARIOUS	DRISCOPLEX 5100 ULTRA LINE OR PW EAGLE, 2" HMOL POLY PIPE SDR-7 200 PSI
G	2	2" 90° BRASS STREET ELBOW
H	1	2" METER SETTER, FORD NO. VBH 87-12B-11-77 (ONLY) W/ BRASS STREET 90
I	1	2" IDLER SCH. 80 (↓= 17") W/WASHERS
J	1	2" PVC PLUG, SCHEDULE 40/80
K	–	METER BOX – CARSON JUMBO #1730 W/PSL METER READING LID AND INSPECTION PLATE (MARKED FOR WATER) FOR NON TRAFFIC AREAS. WITH WRITTEN DISTRICT APPROVAL FOGTITE TYPE 2 (MARKED FOR WATER) W/ STEEL REINF. LID FOR TRAFFIC AREAS.
•M	1	1-1/2" x 3" BRASS NIPPLE
•N	1	1-1/2" x 2" BELL REDUCER
•O	2	1-1/2" 90° BRASS STREET ELBOW
•P	1	1-1/2" METER SETTER, FORD NO. VBH 86-12B-11-66 W/ BRASS STREET 90 OR VBH 76-12B
•Q	1	1-1/2" IDLER SCH. 80 (↓=13") W/ WASHERS
•R	1	1-1/2" PLUG, SCHEDULE 40/80

1-1/2" AND 2" METER SETTER

REV. 10/19/17



PLAN



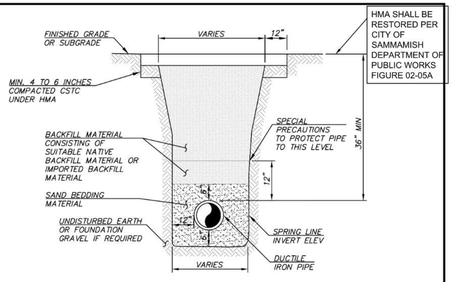
ELEVATION

NOTES

1. SEE 3" AND 4" METER NOTES AND MATERIALS FOR ADDITIONAL CONSTRUCTION REQUIREMENTS.
2. DISTRICT SUPPLIED METER IS A 3" OR 4" WITH TRPL REGISTER (TOUCH PAD MOUNTED IN VAULT LID).

3" AND 4" METER

REV. 10/20/17



WATER MAIN TRENCH SECTION

REV. 10/30/17

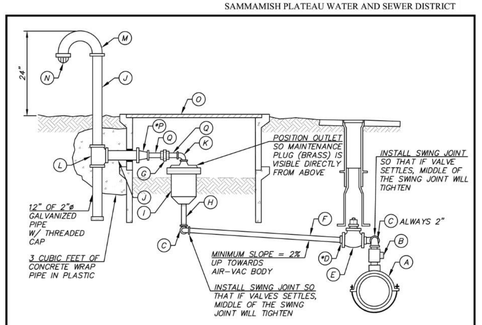
◯ 3" METER (ONLY)		◯ 4" METER (ONLY)	
A	3" GALV	H	4" DI
B	3" BLIND FLG TAPPED 2" (2 PLACES TYP)	I	4" BLIND FLANGE TAPPED 2" (2 PLACES TYP)
C	3" TEE (FLG)	J	4" TEE (FLG) (TYP)
D	4" x 3" REDUCER (FLxFL)	K	4" FCA (TYP)
E	4" FCA (TYP)	L	4" GATE VALVE (FLG) W/HAND WHEEL OPERATOR (TYP)
F	3" GATE VALVE (FLG) W/HAND WHEEL OPERATOR (TYP)	M	4" ADJUSTABLE PIPE SADDLE SUPPORT GRINNELL #264
G	3" ADJUSTABLE PIPE SADDLE SUPPORT GRINNELL #264		

NOTES

1. VAULT COVER SHALL MATCH EXISTING GRADE OR 6" ABOVE IN UNIMPROVED AREAS.
2. PAINT SCHEDULE:
   EXTERIOR OF VAULT – BELOW GRADE TWO COATS OF BLACK BITUMASTIC SOLUTION (VAULT SHOULD BE DRIED WITH NO MOISTURE PRESENT PRIOR TO APPLICATION OF COATINGS)
   PAINT INTERIOR PIPING (NON BRASS) – ONE (1) COAT RUST RESISTOR PRIMER TWO (2) COATS SAFETY BLUE SEMI GLOSS PAINT
3. IF POSITIVE DRAINAGE FROM VAULT CANNOT BE ACHIEVED A SUMP PUMP SYSTEM WILL BE REQUIRED WITH DISTRICT APPROVAL. POWER SHALL BE SUPPLIED AND MAINTAINED BY THE DEVELOPMENT.
4. FLEXIBLE FITTING WHEN ENTERING AND EXITING VAULT WITHIN 5 FEET OF VAULT. IF (M,J) BELL CONNECTION IS WITHIN 5 FEET OF THE VAULT, FITTING MAY BE OMITTED (2 PLACES TYPICAL).
5. CORE DRILL 1-3/4" HOLE IN ONE OF THE HATCHES NEAR CENTER FOR INSTALLATION OF A ANTENNAE MOUNT, WHEN NOT IN TRAFFIC AREA.
6. USE 2" THREADED BRASS AND UNION AS NEEDED.

3" AND 4" METER NOTES AND MATERIALS

REV. 10/30/17



NOTES

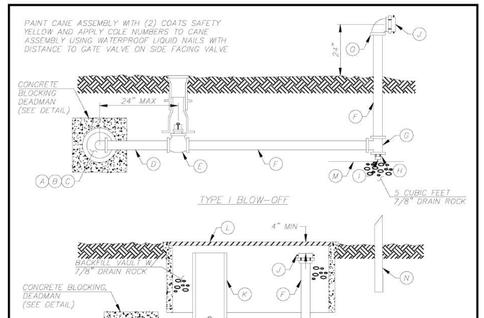
1. ALL PIPE AND FITTINGS TO BE GALVANIZED EXCEPT WERE NOTED AND ASSEMBLED WITH TEFLON TAPE AND PIPE DOPE.
2. LOCATION OF THE AIR AND VACUUM RELIEF ASSEMBLY AS SHOWN ON THE PLANS IS APPROXIMATE.
3. INSTALLATION OF THE VALVE SHALL BE SET AT THE HIGH POINT OF THE LINE.
4. PAINT CANE ASSEMBLY WITH TWO (2) COATS OF SAFETY YELLOW AND APPLY COLE LETTERS TO CANE ASSEMBLY WITH FOOTAGE TO VALVE ON SIDE FACING ROADWAY IN 1.5" COLE NUMBERS. APPLY WITH WATER PROOF LIQUID NAILS.
5. PROVIDE 5-FOOT OF CLEARANCE FROM TREES, AND STRUCTURES, 18-INCHES FROM BUSHES.

MK	QTY	ITEM
A	1	2" ROMAC SADDLE I.P.T., DOUBLE STRAP STYLE 2025
B	1	2" CORPORATION STOP MIP X MIP, WITH NUT ON SIDE (NOT UNDER VALVE)
C	4	1" OR 2" BRASS STREET ELBOW, BRASS SWING JOINT W/ COUPLING OR 90° BEND
•D	1	2" X 1" BRASS BUSHING
E	1	2" GATE VALVE (FIP x FIP) W/2" SQUARE OPERATING NUT AND CAST IRON VALVE BOX AND LONG SKIRT LID
F	–	1" OR 2" THREADED BRASS PIPE (LENGTH TO SUIT) ON FIRM SUBGRADE
G	2	1" OR 2" GALVANIZED UNION
H	1	1 OR 2" BRASS NIPPLE
I	1	1" OR 2" APCO AIR AND VACUUM RELIEF VALVE (#143-C FOR 1" AND #145-C FOR 2") OR DISTRICT APPROVED EQUAL (REPLACE IRON ACCESS PLUG WITH BRASS PLUG)
J	–	2" GALVANIZED SCH. 40 PIPE (LENGTH TO SUIT)
K	1	1" OR 2" GALVANIZED STREET 90° ELBOW
L	1	2" TEE
M	1	2" RETURN BEND, SCH. 40 GALVANIZED
N	1	BEEHIVE STRAINER GREENBURG P-24-08, MALE FOR 2" PIPE
O	2	FOGTITE TYPE II CONCRETE BOX WITH STEEL LID, REINFORCED FOUR SIDES OR DISTRICT APPROVED EQUAL MARKED "A.V."
•P	1	2" X 1" GALVANIZED BELL REDUCER (NOT REQUIRED WITH A 2" ASSEMBLY)
Q	2	1" OR 2" GALVANIZED NIPPLE (ONLY ONE REQUIRED WITH 2")

* DENOTES ITEMS NOT REQUIRED WITH A 2" ASSEMBLY

1" AND 2" AIR AND VACUUM RELIEF VALVE ASSEMBLY

REV. 10/20/17



NOTE

1. ALL PIPE AND FITTINGS TO BE GALVANIZED EXCEPT WHERE NOTES AND ALL ASSEMBLED WITH TEFLON TAPE AND PIPE DOPE.

ITEM	TYPE I QTY	TYPE II QTY	DESCRIPTION
A	1	1	CAP W/ 2" IPS TAP
B	1	1	2" X 6" BRASS NIPPLE
C	1	1	2" 90° BRASS BEND
D	–	–	2" BRASS PIPE (LENGTH TO SUIT)
E	1	1	2" GATE VALVE W/SQUARE OPERATING NUT
F	–	–	TYPE I REQUIRES CAST IRON VALVE BOX W/ DEEP SKIRT LID, TYPE II WITH 6" PVC PIPE ONLY
G	1	0	2" GALVANIZED IRON PIPE (LENGTH TO SUIT)
H	1	0	2" X 2" TEE
I	1	0	2" X 1/2" BUSHING
J	1	0	AUTOMATIC DRAIN VALVE – WEATHERMATIC 910
K	1	1	2" MIP X 2 1/2" NST FIRE HOSE ADAPTOR W/CAP
L	1	1	TYPE 1 (MH) , TYPE II (FIP) W/ 2" COUPLER
K	0	1	6" PVC (LENGTH TO SUIT)
L	0	1	FOGTITE TYPE 2 METER BOX W/ 3/8" SOLID STEEL TRAFFIC COVER (REINFORCED ON FOUR SIDES) AND H-20 LOADING MARKED "SLG."
M	–	–	FABRIC OR PLASTIC BARRIER
N	0	1	VALVE MARKER POST
O	1	1	2" 90° GALV. BEND

TYPE I AND II BLOW-OFF ASSEMBLY

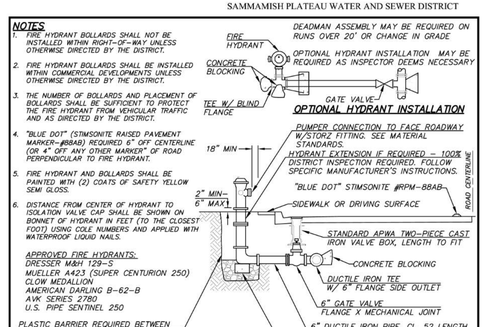
REV. 12/12/24

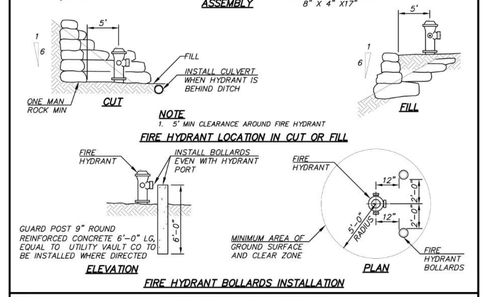
NOTES

1. FIRE HYDRANT BOLLARDS SHALL NOT BE INSTALLED WITHIN RIGHT-OF-WAY UNLESS OTHERWISE DIRECTED BY THE DISTRICT.
2. FIRE HYDRANT BOLLARDS SHALL BE INSTALLED WITHIN COMMERCIAL DEVELOPMENTS UNLESS OTHERWISE DIRECTED BY THE DISTRICT.
3. THE NUMBER OF BOLLARDS AND PLACEMENT OF BOLLARDS SHALL BE SUFFICIENT TO PROTECT THE FIRE HYDRANT FROM VEHICULAR TRAFFIC AND AS DIRECTED BY THE DISTRICT.
4. "BLUE DOT" (STIMSONITE RAISED PAVEMENT MARKER–#88AB) REQUIRED 6" OFF CENTERLINE (OR 4" OFF ANY OTHER MARKER" OF ROAD PERPENDICULAR TO FIRE HYDRANT.
5. FIRE HYDRANT AND BOLLARDS SHALL BE PAINTED WITH (2) COATS OF SAFETY YELLOW SEMI GLOSS.
6. DISTANCE FROM CENTER OF HYDRANT TO ISOLATION VALVE CAP SHALL BE SHOWN ON BONNET OF HYDRANT IN FEET (TO THE CLOSEST FOOT) USING COLE NUMBERS AND APPLIED WITH WATERPROOF LIQUID NAILS.

APPROVED FIRE HYDRANTS:
DRESSER M&H 129-S
MUELLER A423 (SUPER CENTURION 250) CLOW MEDALLION
AMERICAN DARLING B-62-B
AVK SERIES 27B0
U.S. PIPE SENTINEL 250

PLASTIC BARRIER REQUIRED BETWEEN HYDRANT AND WASHED ROCK 1 CU. YD. TO ABOVE WEEP HOLES OF HYDRANT MINIMUM 7/8" DRAIN ROCK.





FIRE HYDRANT ASSEMBLY

REV. 11/6/17

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

WATER DETAILS FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

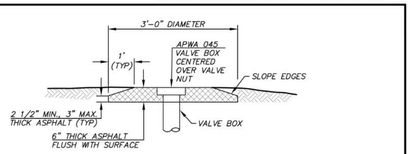
811 Know what's below. Call before you dig.

DESIGNED: SR
CHECKED: CMK
NOVEMBER 2025
45015-004

SHEET ID
C-606
SHEET 57 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-603-606 Sewer and Water Details.dwg Layout Tab: WATER DETAILS User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:42:33 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

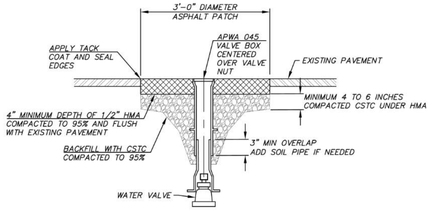


NOTES

1. THE COMPLETED PATCH SHALL BE FLUSH WITH THE SURROUNDING FINAL GRADE, SHALL NOT BE MORE THAN 1/8" FLUSH WITH THE SURROUND PAVEMENT, AND SHALL BE SMOOTH FOR TRAFFIC.
2. WHEN RAISING THE VALVE BOX TO FINISHED GRADE, EXCAVATE CASTING TO A DEPTH NECESSARY TO VERIFY CASTING OVERLAPS SOIL PIPE BY 3". ADD SOIL PIPE AS NEEDED. VALVE BOX SHALL BE CENTERED OVER THE VALVE NUT.
3. SLIP CANS ARE NOT ALLOWED WHEN RAISING VALVE BOXES TO GRADE.

REV. 10/20/17

VALVE BOX ASPHALT COLLAR DETAIL FOR NON-PAVED AREAS

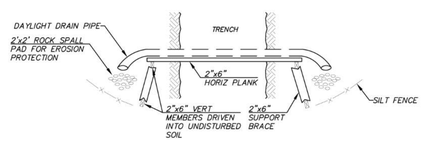


NOTES

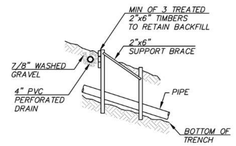
1. VALVE CANS SHALL BE RAISED TO GRADE AFTER PLACEMENT OF THE ASPHALT'S FINAL LIFT AND WITHIN 48 HOURS UNLESS OTHERWISE APPROVED BY THE DISTRICT.
2. NEATLY REMOVE ASPHALT AROUND EXISTING VALVE CASTING.
3. EXCAVATE VALVE CASTING TO A DEPTH NECESSARY TO RAISE CASTING AND VERIFY CASTING OVERLAPS SOIL PIPE BY 3". ADD SOIL PIPE AS NEEDED. VALVE BOX SHALL BE CENTERED OVER THE VALVE NUT.
4. SLIP CANS ARE NOT ALLOWED.
5. BACKFILL WITH CSTC COMPACTED TO 95% (MODIFIED PROCTOR).
6. INSTALL 1/2" HMA IN 2-INCH LIFTS, TO A COMPACTED DEPTH EQUAL TO THE EXISTING PAVEMENT OR A MINIMUM OF 4", WHICHEVER IS GREATER. TACK ALL EDGES AND SEAL FINISH JOINTS WITH TAR AND SAND.
7. THE COMPLETED PATCH SHALL BE FLUSH WITH THE SURROUNDING PAVEMENT, SHALL NOT VARY FROM BEING FLUSH BY MORE THAN 1/8", AND SHALL BE SMOOTH FOR TRAFFIC.

REV. 10/20/17

VALVE BOX PAVEMENT PATCH DETAIL AND PAVED AREAS



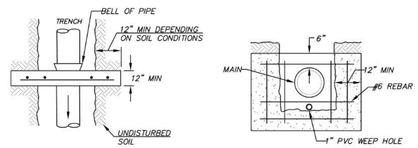
PLAN



PROFILE

REV. 10/20/17

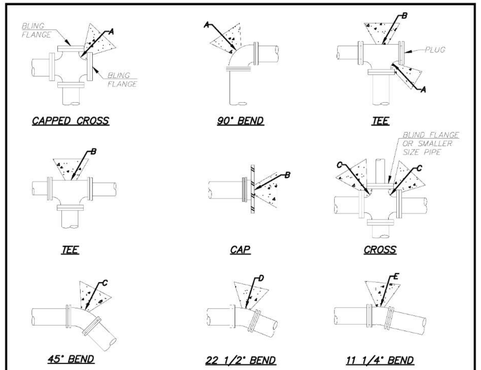
HILL HOLDER



PLAN ELEVATION

REV. 10/20/17

PIPE ANCHOR



THRUST BLOCK TABLE
MIN. BEARING AREA AGAINST UNDISTURBED SOIL (SF)

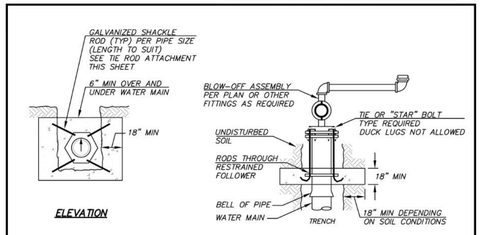
PIPE SIZE	A(FT²)	B(FT²)	C(FT²)	D(FT²)	E(FT²)	X
4"	3	1	1	1	1	NONE
6"	4	4	2	1	1	NONE
8"	7	6	4	2	1	4
10"	11	10	6	3	2	6
12"	16	14	9	5	3	9
14"	22	19	12	6	3	12
16"	29	25	16	8	4	16
18"	36	31	20	10	5	20
20"	45	39	24	13	6	24
22"	54	47	29	15	8	29
24"	64	56	35	18	9	35
28"	87	76	48	24	12	48
30"	101	87	55	28	14	55
36"	145	125	78	40	20	78
42"	197	171	107	55	27	107
48"	257	223	140	71	36	140

NOTES

1. BEARING AREA OF CONCRETE THRUST-BLOCK BASED ON 200 PSI PRESSURE AND SAFE SOIL BEARING LOAD OF 2,000 POUNDS PER SQUARE FOOT.
2. AREAS MUST BE ADJUSTED FOR OTHER PIPE SIZES, PRESSURES AND SOIL CONDITIONS.
3. CONCRETE BLOCKING SHALL BE CAST-IN-PLACE AND HAVE A MINIMUM OF 1/4 SQUARE FOOT BEARING AGAINST THE FITTING.
4. BLOCK SHALL BEAR AGAINST FITTINGS ONLY AND SHALL BE CLEAR OF JOINTS TO PERMIT TAKING UP OR DISMANTLING OF JOINT.
5. CONTRACTOR SHALL INSTALL BLOCKING ADEQUATE TO WITHSTAND FULL TEST PRESSURE AS WELL AS TO CONTINUOUSLY WITHSTAND OPERATION PRESSURE UNDER ALL CONDITIONS OF SERVICE.
6. VERTICAL BLOCKING SHALL BE PROVIDED AS SPECIFIED IN WSDOT STANDARD PLAN B-90.50-00 CONCRETE THRUST BLOCK FOR CONVEX VERTICAL BENDS OR AS DIRECTED BY THE DISTRICT.

REV. 2/6/25

CONCRETE BLOCKING



DEADMAN

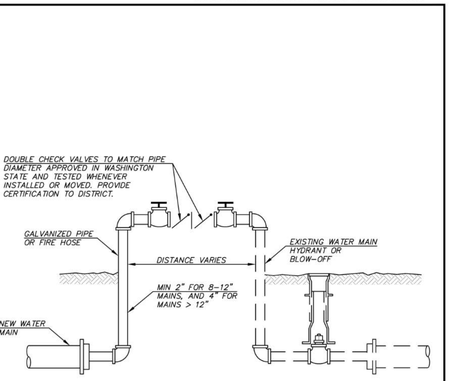
REV. 10/18/17



SIZE	PRESSURE PSI	FORCE IN POUNDS	NUMBER OF TIE RODS								
			2	3	4	6	8	10	12	14	16	24
3"	300	2,120	3/8"									
4"	300	3,780	3/8"									
6"	300	8,500	5/8"	1/2"		3/8"						
8"	300	15,100		3/4"		5/8"	1/2"					
10"	275	21,620				3/4"	5/8"	1/2"				
12"	250	33,930					3/4"	5/8"				
14"	250	46,200						3/4"				
16"	225	45,250						3/4"		5/8"		
18"	200	50,900						3/4"		5/8"		
20"	200	62,840							3/4"		5/8"	
24"	200	90,480									3/4"	
30"	200	141,370									1"	7/8"
36"	200	203,580										1" 7/8"

TIE ROD ATTACHMENTS

REV. 10/18/17

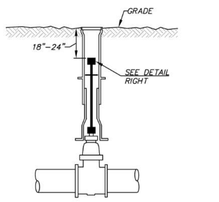


NOTES

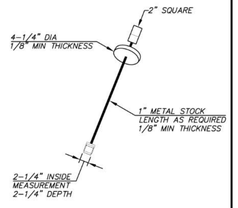
1. FOR BELOW GROUND INSTALLATION, USE TYPE II BLOW-OFF ASSEMBLY, MODIFIED AS REQUIRED BY DISTRICT. INSTALL IN AREA NOT SUBJECT TO FLOODING.
2. ALL FILLING AND FLUSHING SHALL BE METERED BY DISTRICT. PROVIDE SPACE FOR INSTALLATION OF METER.
3. ALL NEW MAINS SHALL BE KEPT SEPARATE FROM THE DISTRICT'S EXISTING SYSTEM UNTIL THE NEW MAINS ARE TESTED AND ACCEPTED. FINAL CONNECTION REQUIRES 100% INSPECTION BY DISTRICT.
4. PROTECT ABOVE GROUND INSTALLATION FROM DAMAGE AND FREEZING.

TESTING CONNECTION

REV. 10/18/17



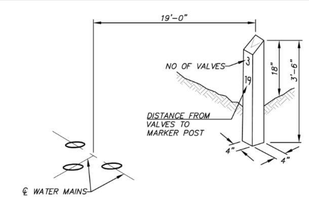
NOTE
EXTENSIONS ARE REQUIRED WHEN THE VALVE NUT IS MORE THAN 36" BELOW FINISHED GRADE. EXTENSIONS ARE TO BE A MINIMUM OF ONE (1) FOOT LONG. ONLY ONE EXTENSION TO BE USED PER VALVE. VALVE EXTENSION TO BE WITHIN 18" TO 24" OF FINISHED GRADE.



NOTE
ALL EXTENSIONS ARE TO BE MADE OF STEEL SIZED AS NOTED, AND PAINTED WITH TWO COATS OF CARBON ELASTIC (ATCO #222) AS SPECIFIED BY PRESERVATIVE PAINT CO. OR AN APPROVED EQUAL

VALVE OPERATING NUT EXTENSION

REV. 10/24/17

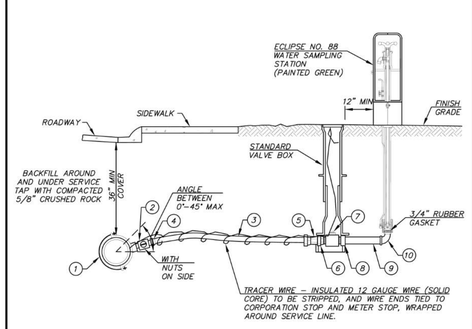


NOTES

1. VALVE MARKER POST SHALL BE A FOGTITE VALVE MARKER OR APPROVED EQUAL.
2. THE POST SHALL BE SET AT RIGHT ANGLES TO THE ROADWAY FROM THE VALVE AND SHALL BE SITUATED IN A SAFE AND REASONABLY CONSPICUOUS LOCATION.
3. FOR MORE THAN ONE VALVE, THE NUMBER OF VALVES SHALL BE NOTED NEAR THE TOP OF THE POST WITH THE DISTANCE TO THE CENTER OF THE VALVE (OR CLUSTER) MARKED BELOW.
4. PAINT VALVE MARKER WITH (2) COATS ALKYD INDUSTRIAL ENAMEL SAFETY YELLOW AND APPLY NUMBER OF VALVES AND DISTANCE (TO THE CLOSEST FOOT) TO THE LINE VALVE CAPS IN COLE NUMBERS APPLIED WITH WATERPROOF LIQUID NAILS.

VALVE MARKER POST

REV. 10/24/17



ITEM	DESCRIPTION	FORD PART NO	MUELLER PART NO	A.Y. MCDONALD	OTHER PART NO.	QTY.
1	1" SADDLE I.P.T.	N/A	N/A	N/A	ROMAC 202S	1
2	1" CORPSTOP (MIP×MIP)	FB500-4	B2996	3.3181	N/A	1
3	1" HDPE PIPE	— DRISCOPLEX 5100 ULTRA LINE SDR7 200 PSI IPS OR PW EAGLE—				1
4	1" FIP×COMPRESSION ADAPTOR W/ STAINLESS STEEL STIFFENER	C16-44P * INSERT-72	H15454.10 505142	4754-33 6136	N/A N/A	2 2
5	1" PAC JOINT x 1" MIP	CB6-44	H15429	475-CP	N/A	1
6	1" FIP x 3/4 FIP REDUCER	C11-43	N/A	N/A	N/A	1
7	3/4" BALL CORP MIP x MIP	FB500-3	N/A	N/A	N/A	1
8	3/4" COUPLING	N/A	N/A	N/A	N/A	1
9	3/4" BRASS NIPPLE	N/A	N/A	N/A	N/A	1
10	3/4" 90° BRASS STREET ELL	N/A	N/A	N/A	N/A	1

* QUICK JOINT ACCEPTABLE, GRIP JOINT NOT ACCEPTABLE

NOTES

1. ALL PIPE AND FITTINGS TO BE ASSEMBLED WITH TEFLON TAPE AND PIPE DOPE UNLESS OTHERWISE NOTED.
2. SERVICE LINES SHALL BE INSTALLED PERPENDICULAR TO THE WATER MAIN.
3. THE SERVICE LINE SHALL BE INSTALLED TO ALLOW FOR THE FAR SIDE OF THE SAMPLE STATION TO BE INSTALLED IN THE R/O/W OR EASEMENT LINE, UNLESS OTHERWISE DIRECTED BY THE DISTRICT.

WATER SAMPLING STATION

REV. 10/30/17

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

WATER DETAILS FOR: GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

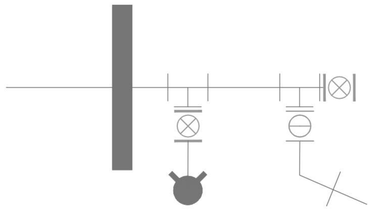
DESIGNED: SR
CHECKED: CMK
NOVEMBER 2025
45015-004

SHEET ID
C-607
SHEET 58 OF 108

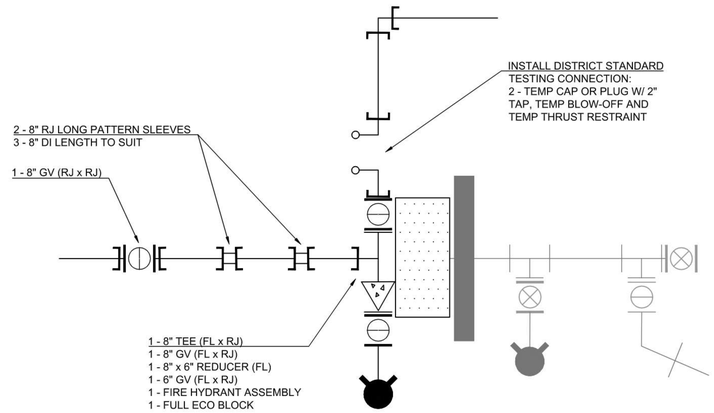
Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-603-606 Sewer and Water Details.dwg Layout Tab: C-606 WATER DETAILS User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:42:38 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

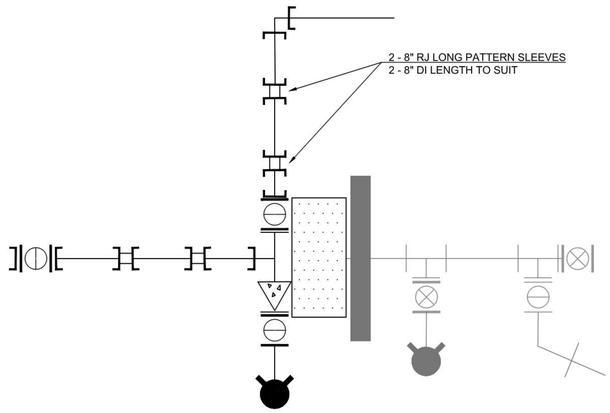
SOUTH CONNECTION (STA 103+77)



EXISTING CONFIGURATION

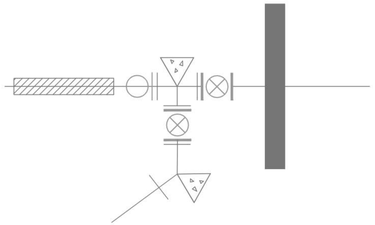


TESTING CONFIGURATION

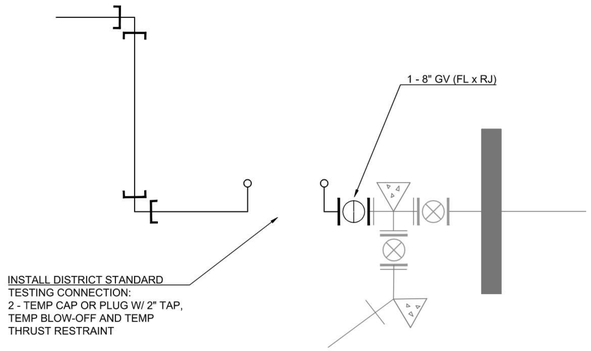


FINAL CONFIGURATION

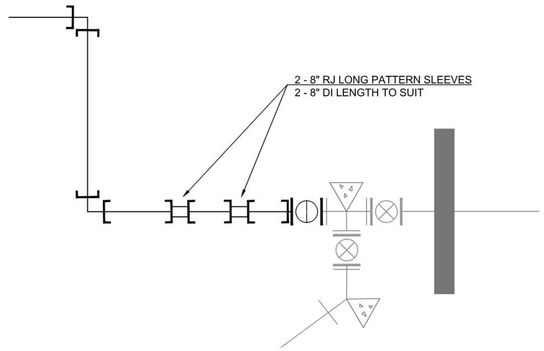
NORTH CONNECTION (STA 104+66)



EXISTING CONFIGURATION



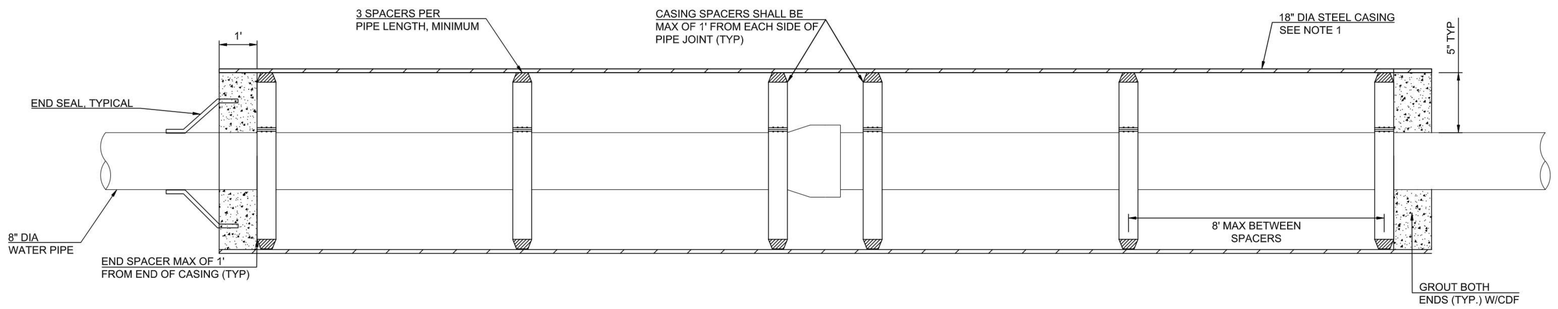
TESTING CONFIGURATION

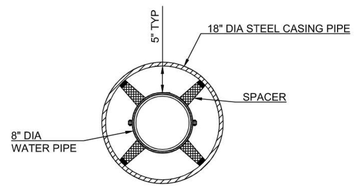


FINAL CONFIGURATION

CONNECTION DETAILS BETWEEN NEW CONSTRUCTION AND THE EXISTING WATER SYSTEM

NOT TO SCALE





NOTES:

1. PIPE CASING SHALL BE SMOOTH STEEL, BARE PIPE, 0.375-INCH MINIMUM WALL THICKNESS, AND COMPLY WITH ASTM A139, GRADE C, WITH A MINIMUM STEEL YIELD OF 36,000 PSI.
2. CASING SPACERS SHALL BE CALPICO INC. MODEL M-SERIES OR EQUAL AS APPROVED BY SAMMAMISH PLATEAU WATER.
3. THE INTERIOR OF THE CASING SHALL BE AIR BLOWN SAND FILLED AND THE ENDS GROUTED WITH CDF.
4. THE CONTRACTOR SHALL PROVIDE CASING, CASING SPACER, AND OTHER CASING DETAILED SHOP DRAWINGS IN ADVANCE OF CONSTRUCTION.

1 **PIPE CASING DETAIL FOR WATER**

NOT TO SCALE

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

WATER DETAILS FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's **below.** **Call** before you dig.



DESIGNED: SR
CHECKED: CMK
NOVEMBER 2025
45015-004

SHEET ID
C-608
SHEET 59 OF 108

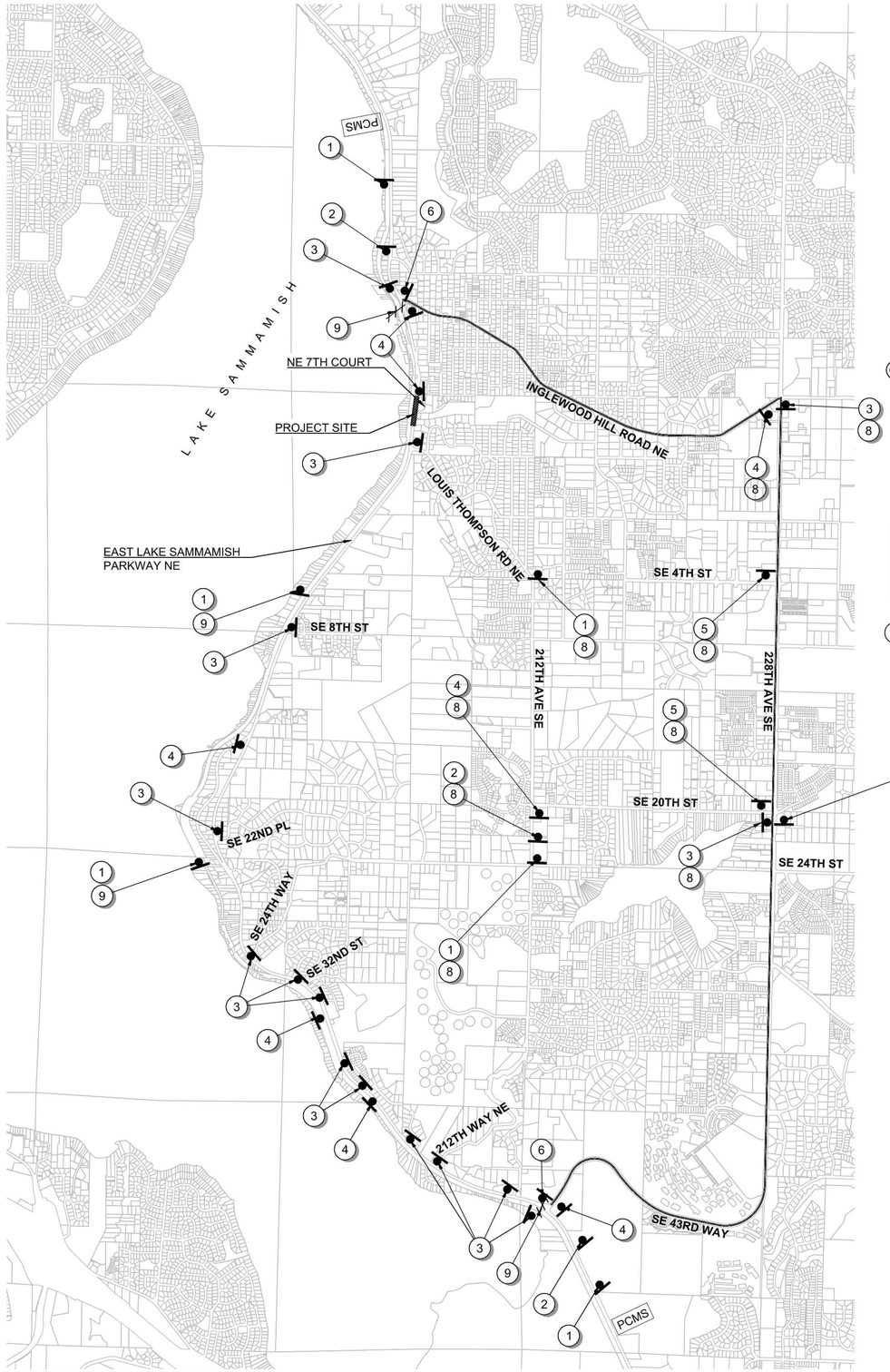
Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-603-606 Sewer and Water Details.dwg Layout Tab: WATER AND STORM DETAILS User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:42:40 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA

Scale 1" = 1500

0 750 1500 3000



DETOUR PLAN NOTES

1. FOR CONTRACTOR REFERENCE ONLY, SEE DETOUR PLAN SPECIAL PROVISION FOR ADDITIONAL INFORMATION AND SUBMITTAL REQUIREMENTS.



1 W20-5 36" x 36"



2 W20-5 36" x 36"



3 M4-9R 30" x 24"



4 M4-9L 30" x 24"



5 M4-9 30" x 24"



6 M4-9R 30" x 24"



7 R11-2 48" x 30"



8 D3 (MOD) VAR x 24"



9 R11-3A (MOD) 60" x 30"

SIGN SPACING		
RURAL ROADS & URBAN ARTERIALS	35/40 MPH	350 +/-

(1) ALL SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS

PCMS	
MESSAGE 1	MESSAGE 2
E LK SAM PARKWY CLOSED	XX/XX TO XX/XX
2.0 SEC	2.0 SEC

FIELD LOCATE 4 WEEKS PRIOR TO ROAD CLOSURE

PCMS	
MESSAGE 1	MESSAGE 2
E LK SAM PARKWY CLOSED	FOLLOW DETOUR
2.0 SEC	2.0 SEC

FIELD LOCATE DURING ROAD CLOSURE

LEGEND

- CLASS A SIGN
- DETOUR ROUTE
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)
- WORK ZONE AREA
- TYPE III BARRICADE

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

TRAFFIC CONTROL PLAN FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

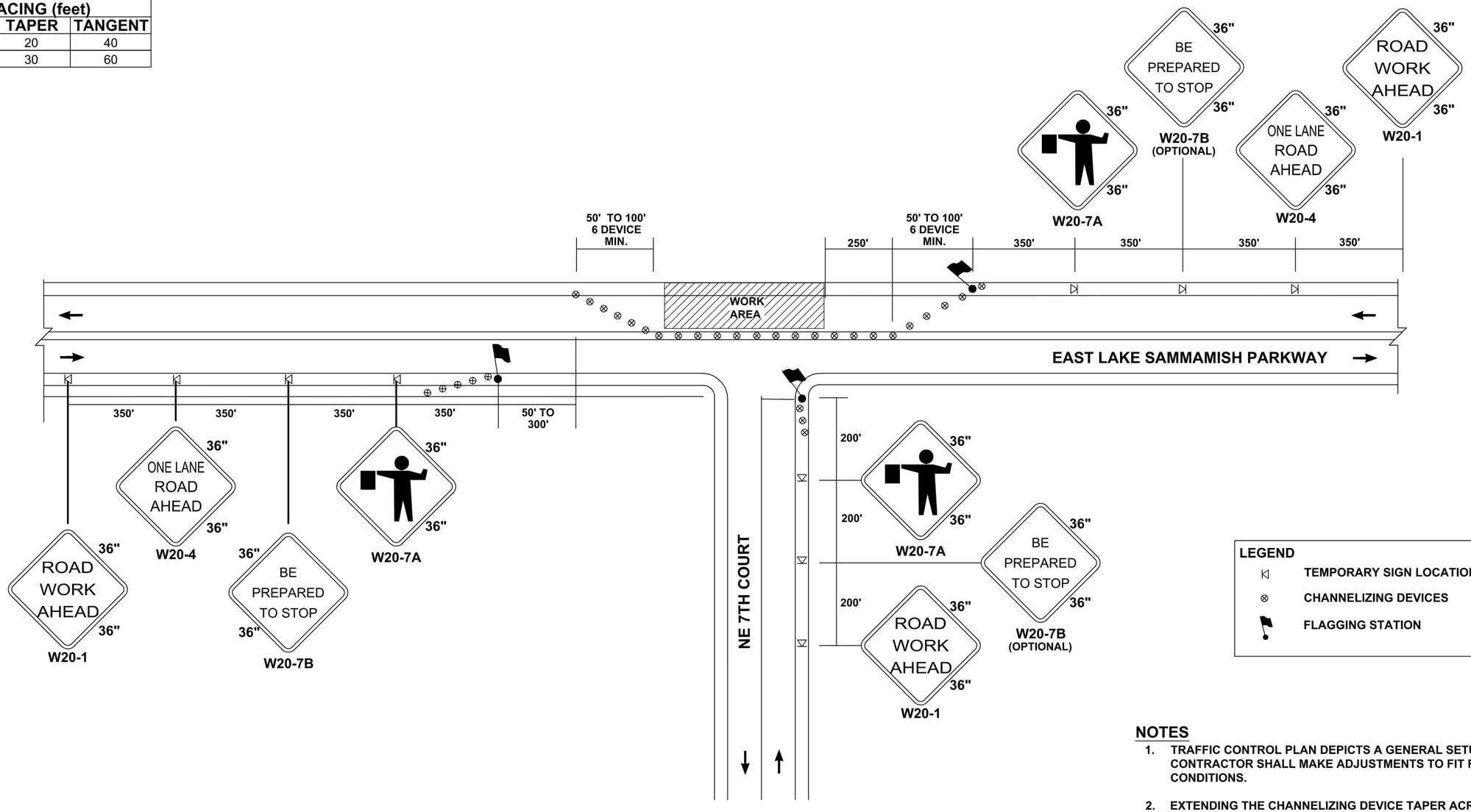


DESIGNED: SR
CHECKED: CMK
NOVEMBER 2025
45015-004
SHEET ID
C-801
SHEET 60 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-801-802 TRAFFIC CONTROL PLAN.dwg Layout Tab: TRAFFIC CONTROL PLAN User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:42:56 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

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



LEGEND

- TEMPORARY SIGN LOCATION
- CHANNELIZING DEVICES
- FLAGGING STATION

NOTES

1. TRAFFIC CONTROL PLAN DEPICTS A GENERAL SETUP. CONTRACTOR SHALL MAKE ADJUSTMENTS TO FIT FIELD CONDITIONS.
2. EXTENDING THE CHANNELIZING DEVICE TAPER ACROSS SHOULDER IS RECOMMENDED.
3. NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT FLAGGING STATIONS.
4. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.
5. PRIORITY SHALL BE GIVEN TO SCHOOL BUSES AND EMERGENCY VEHICLES WHEN FEASIBLE.

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

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

TRAFFIC CONTROL PLAN FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

SASHRIAL — STATE OF WASHINGTON — 56631 — REGISTERED PROFESSIONAL ENGINEER — 02/16/2026

DESIGNED: SR
CHECKED: CMK
NOVEMBER 2025
45015-004

SHEET ID
C-802
SHEET 61 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-801-802 TRAFFIC CONTROL PLAN.dwg Layout Tab: C-802 TRAFFIC CONTROL PLAN User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:42:57 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

GENERAL NOTES:

1. SOLDIER PILE WALLS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS. WSDOT GEOTECHNICAL DESIGN MANUAL (2022), AND WSDOT BRIDGE DESIGN MANUAL (2024).

2. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROADS, BRIDGE, AND MUNICIPAL CONSTRUCTION", ENGLISH UNITS, DATED 2025 AND THE GENERAL SPECIAL PROVISIONS INCLUDING SECTIONS:
   6-05.3(5).GR6 MANUFACTURING OF STEEL PILE
   6-05.3(6).GR6 SPLICING STEEL CASINGS AND STEEL PILES
   6-17.2.OPT.GR6 MATERIALS

3. ALL EXCAVATION WORK SHALL COMPLY WITH LOCAL, STATE, AND FEDERAL SAFETY CODES. DESIGN OF TEMPORARY CUT SLOPES SHALL BE PROVIDED BY THE PROJECT COORDINATOR AND SHALL BE REVIEWED BY GEOTECHNICAL ENGINEER. THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION SOIL TYPE IF CLASSIFIED AS TYPE C. ALL OPEN-CUT EXCAVATION SHOULD HAVE THE MAXIMUM ALLOWABLE SLOPES NO STEEPER THAN 1.5 HORIZONTAL (H) : 1 VERTICAL (V). BASED ON SECTION 2-09.3(3)B IN THE WSDOT STANDARD SPECIFICATIONS, OPEN TEMPORARY CUTS SHOULD MEET FOLLOWING REQUIREMENTS FROM THE TOP OF THE CUT:
   - EXPOSED SOIL ALONG THE SLOPE SHALL BE PROTECTED FROM SURFACE EROSION.
   - CONSTRUCTION ACTIVITIES SHALL BE SCHEDULED SO THAT THE LENGTH OF TIME THE TEMPORARY CUT IS LEFT OPEN IS REDUCED TO THE EXTENT PRACTICAL.
   -SEE UTILITY PLANS FOR UTILITY RELOCATIONS. CONTRACTOR IS RESPONSIBLE FOR PROTECTING IN-PLACE EXISTING BURIED AND SITE FEATURES NOT NOTED FOR REMOVAL.

4. THE CONTRACTOR SHALL VERIFY THE LOCATION AND AVOID ALL ADJACENT UNDERGROUND UTILITIES PRIOR TO DRILLING FOR PILES.

5. CANTILEVER SOLDIER PILE WALL DESIGN ASSUMES A FREE DRAINING CONDITION TO THE ELEVATION OF THE HORIZONTAL ALIGNMENTS. MAINTAIN A FREE DRAINING CONDITION AT ALL TIMES.

6. CONSTRUCTION TRAFFIC SURCHARGE = 250 PSF AT TOP OF WALL SHALL NOT BE CLOSER THAN 5FT (HORIZONTAL) FROM WALL FACE.

7. CORE HOLE IN CONCRETE FASCIA PANEL FOR UNDERDRAIN OUTLET. LOCATION OF OUTLET MAY BE FIELD ADJUSTED TO CORE PANEL. PROVIDE SEALANT AROUND PIPE ON EXTERIOR OF WALL.

8. UNDERDRAIN ALIGNMENTS AND ELEVATIONS PROVIDED MAY BE ADJUSTED IF REQUIRED WITH WALL DESIGN IN THE FIELD. UNDERDRAIN OUTLETS SHALL BE PLACED ON MIN. SLOPE OF 0.2% AND MAX. SLOPE OF 2%.

9. UNDERDRAIN OUTLETS SHALL BE SPACED AT NO MORE THAN 300FT.

10. CONNECT UNDERDRAIN PIPE TO PROPOSED UNDERDRAIN OUTLET PIPE.

11. WSDOT GRAVEL BORROW SHALL BE USED IN ANY BACKFILL WEDGE AREA BEHIND THE WALL. THE BACKFILL WEDGE BACKSLOPE SHALL BE CONSTRUCTED AT A MINIMUM INCLINATION OF 1H:1V.

12. SEE PROJECT SPECIFICATIONS FOR PRE-CONSTRUCTION AND POST-CONSTRUCTION CONDITION SURVEY REQUIREMENTS.

CONCRETE NOTES:

1. ALL CONCRETE SHALL BE CLASS 4000, UNLESS NOTED OTHERWISE. CONCRETE FOR SOLDIER PILE SHAFTS SHALL BE CLASS 4000P.

2. ALL EXPOSED CORNERS SHALL HAVE 3/4-INCH CHAMFERS, UNLESS NOTED OTHERWISE.

3. CONCRETE SHALL BE PLACED SEPARATELY BETWEEN EXPANSION JOINTS WITH A MINIMUM 24-HOUR PERIOD BEFORE PLACING IN ADJACENT SECTION.

4. CONSTRUCTION JOINTS SHALL BE ROUGHENED TO AN AMPLITUDE OF 1/4" IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS UNLESS NOTED OTHERWISE.

REINFORCING STEEL NOTES:

1. DEFORMED STEEL BARS FOR CONCRETE REINFORCEMENT SHALL CONFORM TO EITHER AASHTO M31 GR. 60 OR ASTM A706 GR. 60 EXCEPT AS OTHERWISE SHOWN ON PLANS.
2. UNLESS OTHERWISE SHOWN IN PLANS, MINIMUM CAST-IN-PLACE CONCRETE COVER OVER REINFORCING STEEL SHALL BE AS FOLLOWING:
   - CONCRETE CAST AGAINST EARTH : 3"
   - CONCRETE EXPOSED TO EARTH OR WEATHER : 2"
   - OTHERS: 1-1/2"

3. LAP SPLICES MAY BE ADDED AT CONTRACTORS OPTION UNLESS NOTED OTHERWISE. MINIMUM LAP SPLICE SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE. FOR HORIZONTAL REINFORCING PLACED SUCH THAT MORE THAN 1'-0" OF CONCRETE IS CAST BELOW THE REINFORCEMENT, INCREASE THE LAP SPLICE LENGTHS BY 30%.

   #4 = 2'-9"
   #5 = 3'-6"
   #6 = 4'-0"
   #7 = 4'-9"
   #8 = 5'-6"
   #9 = 6'-9"

GROUT:

1. ALL GROUT SHALL BE NON-SHRINK AND HAVE A MINIMUM COMPRESSIVE STRENGTH, f'c = 5.0 KSI (28 DAY).

STRUCTURAL STEEL NOTES:

1. ALL STRUCTURAL STEEL SHAPES SHALL BE ASTM A992 GRADE 50 UNLESS OTHERWISE NOTED. ALL STEEL PLATES SHALL BE ASTM A529 GRADE 50 UNLESS OTHERWISE NOTED.

2. WELDED SHEAR CONNECTORS: TYPE S3L GRADE ASTM A108 WITH MINIMUM 65 KSI TENSILE STRENGTH.

LOADING:

1. MATERIAL UNIT WEIGHT:
   - PLAIN CONCRETE: W =145 PCF
   - REINFORCED CONCRETE: W = 155 PCF
   - STEEL: W = 490 PCF

2. SEISMIC AND EARTH PRESSURE:
   SEISMIC AND EARTH PRESSURE DIAGRAMS ARE PROVIDED IN GEOTECHNICAL REPORT:
   - GEORGE DAVIS CREEK FISH PASSAGE PROJECT, SAMMAMISH, WASHINGTON, DATED APRIL 4, 2025

SITE CLASS	D
PEAK GROUND ACCELERATION (PGA)	0.396g
As	0.437g
Kh = 0.50 As	0.219g

3. TRAFFIC SURCHARGE = 70 PSF

CONSTRUCTION STAGING SEQUENCE:

1. PERFORM GENERAL EXCAVATION TO APPROXIMATE LEVEL OF TOP OF SOLDIER PILES.

2. DRILL THE PREBORED HOLE AND INSTALL SOLDIER PILE. PILE PLACEMENT SHALL CONFORM TO STANDARD SPECIFICATION SECTION 6-16.3(1). SHAFT BACKFILL BELOW FINAL EXCAVATION GRADE LINE SHALL BE STRUCTURAL CONCRETE. SHAFT BACKFILL ABOVE EXCAVATION GRADE LINE SHALL BE 150PSI CONTROLLED DENSITY FILL (CDF) IN DRY AND TREMIE LEAN CONCRETE WHEN PLACED WET.

3. THE CONSTRUCTION OF TEMPORARY TIMBER LAGGING IS FROM THE TOP OF SOLDIER PILE DOWNWARDS. TEMPORARY LAGGING SHALL CONFORM TO WSDOT STANDARD SPECIFICATION SECTION 6-16.3(6)

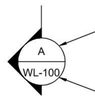
4. PERFORM TOP DOWN STRUCTURE EXCAVATION IN LIFTS NOT EXCEEDING 5FT IN HEIGHT. FORM THE BACK OF WALL FACING AS REQUIRED FOR THE PORTIONS ABOVE THE GROUND LINE.

5. PLACE GEOCOMPOSITE FABRIC DRAINS BETWEEN PILES.

6. CONSTRUCT CAST-IN-PLACE FASCIA AFTER THE STRUCTURE EXCAVATION IN FRONT OF SOLDIER PILE WALL AND TEMPORARY LAGGING.

7. AFTER CAST-IN-PLACE FASCIA CURES TO FULL STRENGTH, CONSTRUCT PILE CAP, DECK SLAB, APPROACH SLAB, AND CLOSURE POUR. SEE CONSTRUCTION SEQUENCE IN BR 503. CONSTRUCTION SEQUENCE SHALL BE COORDINATED WITH CONSTRUCTION STAGING. SEE SHEETS C-351 THRU C-356.

LEGEND:



IDENTIFIES SECTION OR VIEW

TAKEN OR SHOWN ON THE WALL SHEET WL-100



IDENTIFIES DETAIL

DASH INDICATES SECTION, VIEW OR DETAIL IS TAKEN AND SHOWN ON THE SAME SHEET

BORE HOLES (EXIST, NEW)

SEWER

WATER

OVERHEAD TELEPHONE

OVERHEAD POWER

STORM DRAIN

GAS PIPELINE

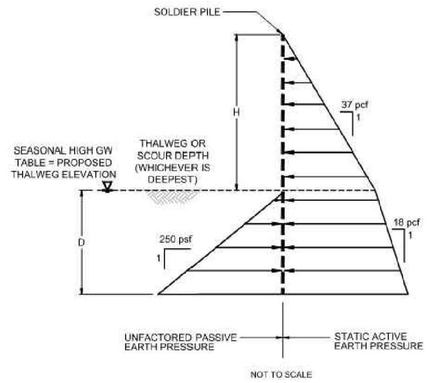
UNDERDRAIN PIPE

RIGHT OF WAY

CUT LINE

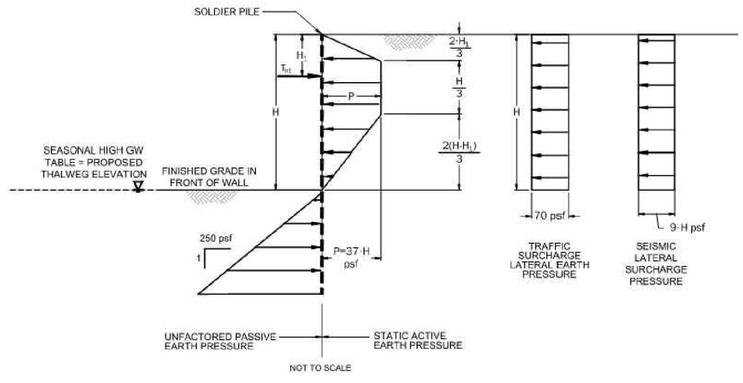
TEMPORARY SHORING

EARTH PRESSURES FOR CANTILEVER SOLDIER PILE WALL
(CREEK CHANNEL SOLDIER PILES)



NOT TO SCALE

EARTH PRESSURES FOR SOLDIER PILE WALL AT BRIDGE ABUTMENT



NOT TO SCALE

Conformed Set

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX

WALL STRUCTURAL NOTES FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

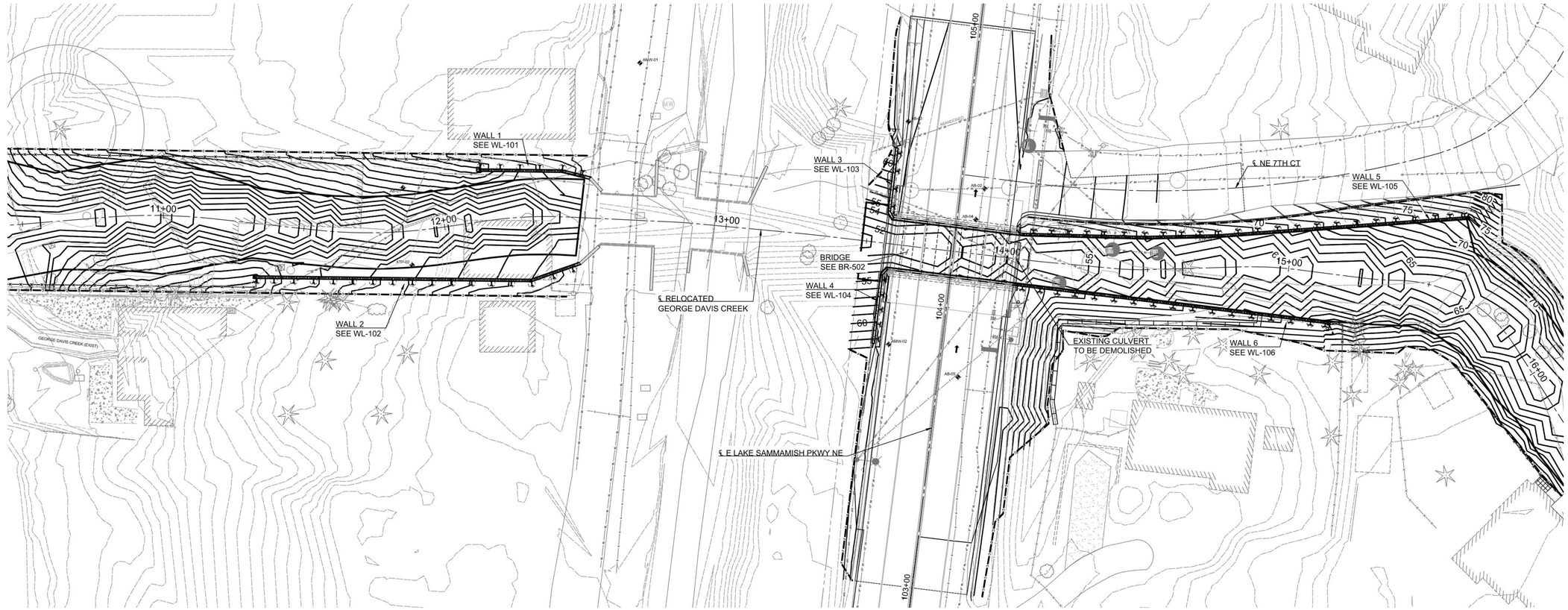
NAME OF WASHINGTON
60405
REGISTERED PROFESSIONAL ENGINEER
02/16/2026

DESIGNED: RS
CHECKED: NA
NOVEMBER 2025
45015-004

SHEET ID
WL-001
SHEET 62 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\WL-001 GENERAL STRUCTURAL NOTES.dwg Layout Tab: WALL STRUCTURAL NOTES User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:43:08 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.



GENERAL RETAINING WALLS LAYOUT

SCALE: 1" = 20'

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

GENERAL RETAINING WALLS LAYOUT FOR:

GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT

SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

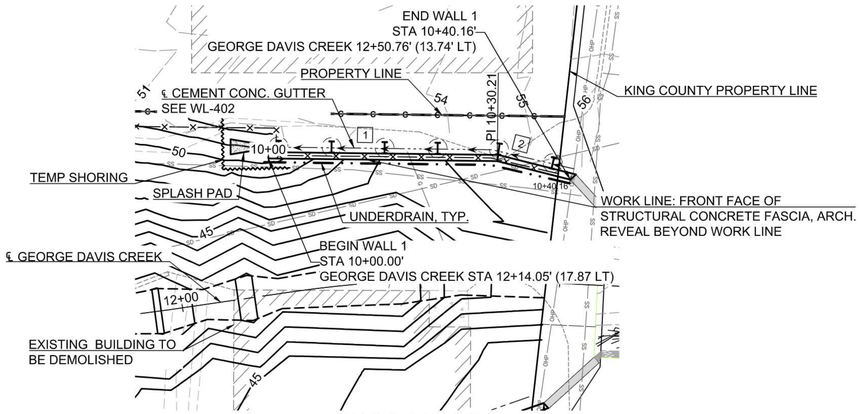


DESIGNED:	RS
CHECKED:	NA
NOVEMBER 2025	45015-004
SHEET ID	WL-100
SHEET	63 OF 108

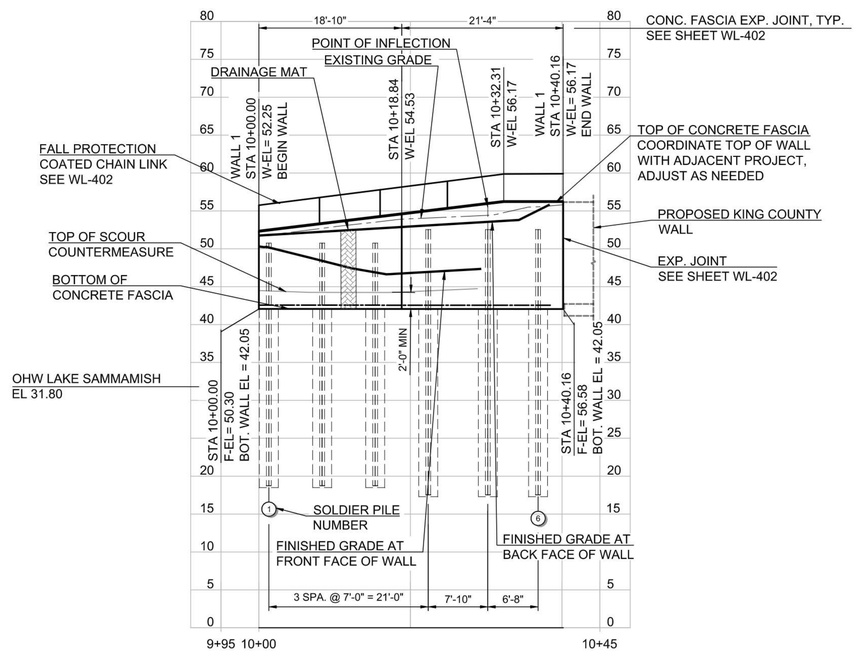
Filename: L:\Projects\45000\45015\45015-004\Civil\CADWorking\Sheets\WL-100 GENERAL RETAINING WALLS LAYOUT.dwg Layout Tab: GENERAL RETAINING WALLS LAYOUT User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:43:45 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

NOTES:
1. SEE DRAWING WL-201 FOR SOLDIER PILE SCHEDULE.
2. STATION AND F-ELEVATIONS REPRESENT FINISHED GRADE AT FRONT FACE OF WALL. W-EL REPRESENTS TOP OF CONCRETE FASCIA/TOP OF WALL.
3. WALL LAYOUT STATIONING IS PROVIDED AS OFFSET FROM ℄ GEORGE DAVIS CREEK LINE.
4. ▨ INDICATES PREFABRICATED DRAINAGE MAT FULL HEIGHT OF LAGGING, CENTERED BETWEEN PILES, TYP.
5. ONLY SOLDIER PILE WALL UNDERDRAIN IS SHOWN. SEE DRAINAGE DRAWINGS FOR DRAINAGE AND STORM BEYOND THIS WALL.



WALL 1 PLAN



WALL 1 DEVELOPED ELEVATION

WALL 1 ALIGNMENT TABLE

LABEL	START STATION	LENGTH	LINE/CHORD DIRECTION	START NORTHING	START EASTING	END NORTHING	END EASTING
1	10+00.00	30.21	S89° 18' 42.07"E	226945.85	1335783.87	226945.49	1335814.07
2	10+30.21	9.95	S75° 49' 29.58"E	226945.49	1335814.07	226943.05	1335823.72



NAVD (88)

Conformed Set

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

WALL 1 PLAN AND PROFILE FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

NIMA ALI
STATE OF WASHINGTON
20405
REGISTERED PROFESSIONAL ENGINEER
02/16/2026

DESIGNED: MZ
CHECKED: NA
NOVEMBER 2025
45015-004

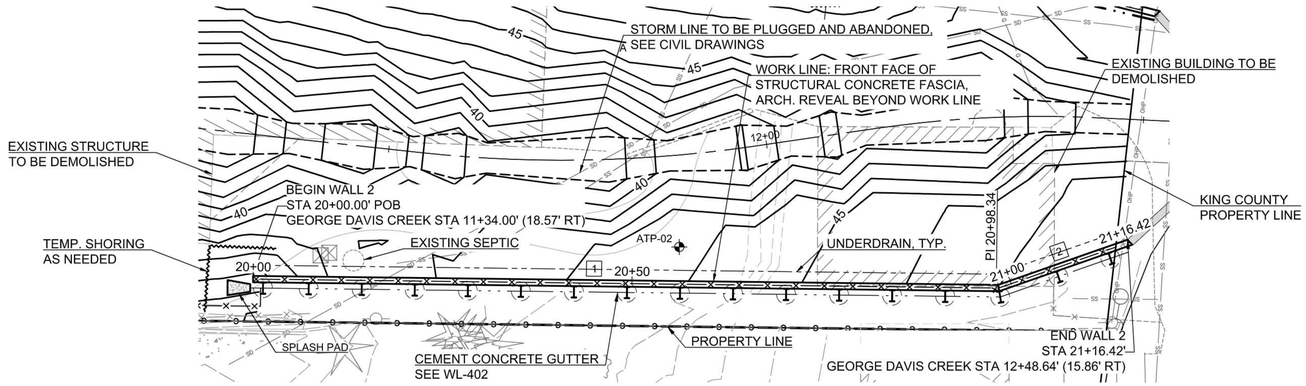
SHEET ID
WL-101
SHEET 64 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\WL-101-WL-102 WALL 1 AND WALL 2 PLAN AND PROFILE.dwg Layout Tab: WALL 1 PLAN AND PROFILE User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:44:22 PM

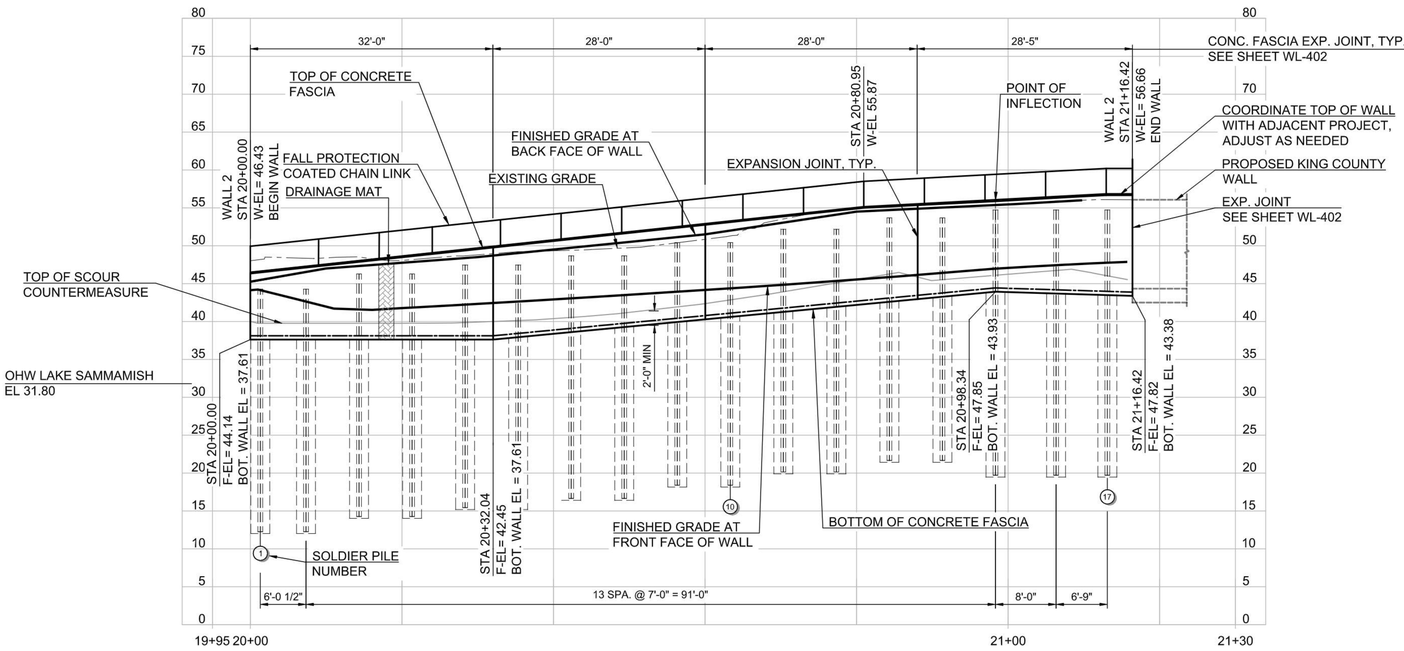
Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

NOTES:
1. SEE DRAWINGS WL-201 FOR SOLDIER PILE SCHEDULE.
2. STATION AND F-ELEVATIONS REPRESENT FINISHED GRADE AT FRONT FACE OF WALL.
3. WALL LAYOUT STATIONING IS PROVIDED AS OFFSET FROM ℄ GEORGE DAVIS CREEK LINE.
4. ▨ INDICATES PREFABRICATED DRAINAGE MAT FULL HEIGHT OF LAGGING, CENTERED BETWEEN PILES, TYP.
5. ONLY SOLDIER PILE WALL UNDERDRAIN IS SHOWN. SEE DRAINAGE DRAWINGS FOR DRAINAGE AND STORM BEYOND THIS WALL.

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA



WALL 2 PLAN



WALL 2 DEVELOPED ELEVATION

WALL 2 ALIGNMENT TABLE

LABEL	START STATION	LENGTH	LINE/CHORD DIRECTION	START NORTHING	START EASTING	END NORTHING	END EASTING
1	20+00.00	98.34	S89° 18' 33.64"E	226908.79	1335704.79	226907.61	1335803.12
2	20+98.34	18.08	N70° 43' 02.61"E	226907.61	1335803.12	226913.58	1335820.19

NAVD (88)

Conformed Set

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX

WALL 2 PLAN AND PROFILE FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

REGISTERED PROFESSIONAL ENGINEER 90405 02/16/2026

DESIGNED: RS
CHECKED: NA
NOVEMBER 2025
45015-004

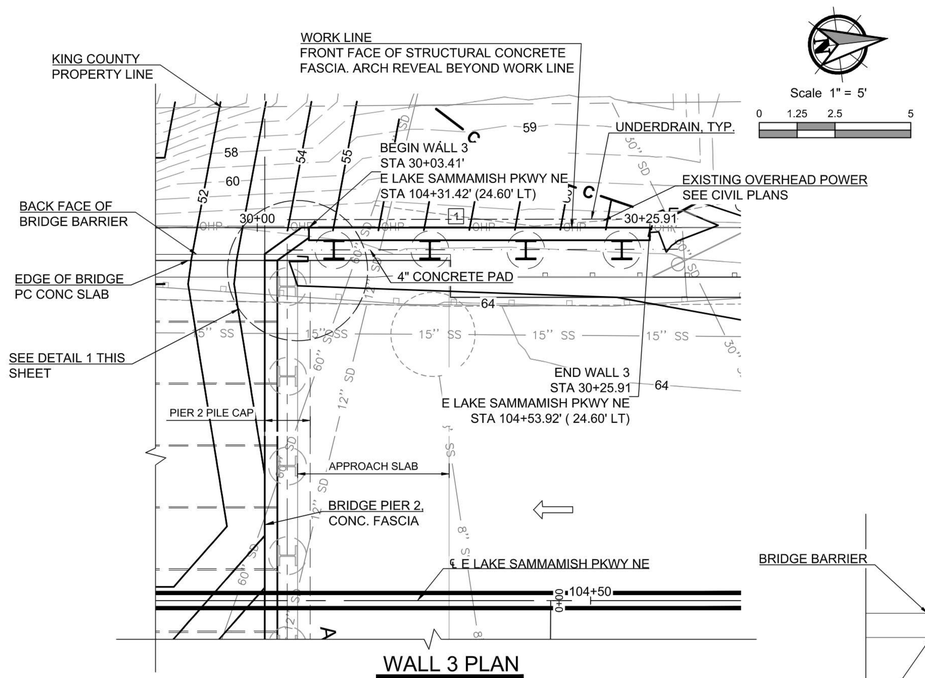
SHEET ID
WL-102
SHEET 65 OF 108

Scale 1" = 10'
0 5 10 20

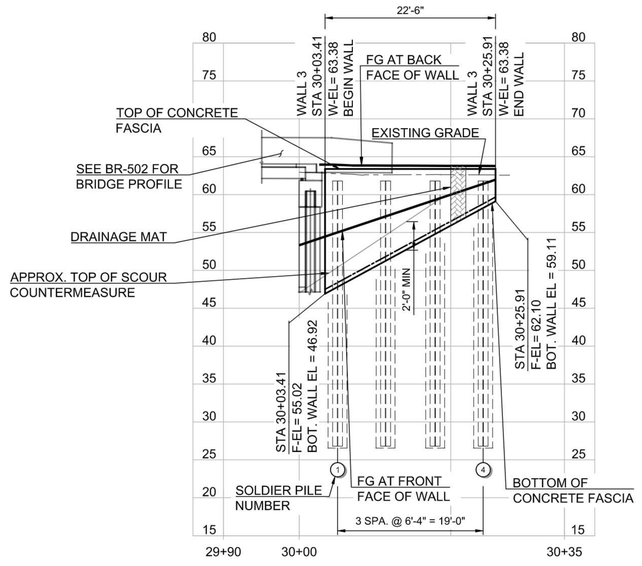
Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\WL-101-WL-102 WALL 1 AND WALL 2 PLAN AND PROFILE.dwg Layout Tab: WALL 2 PLAN AND PROFILE User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:44:26 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

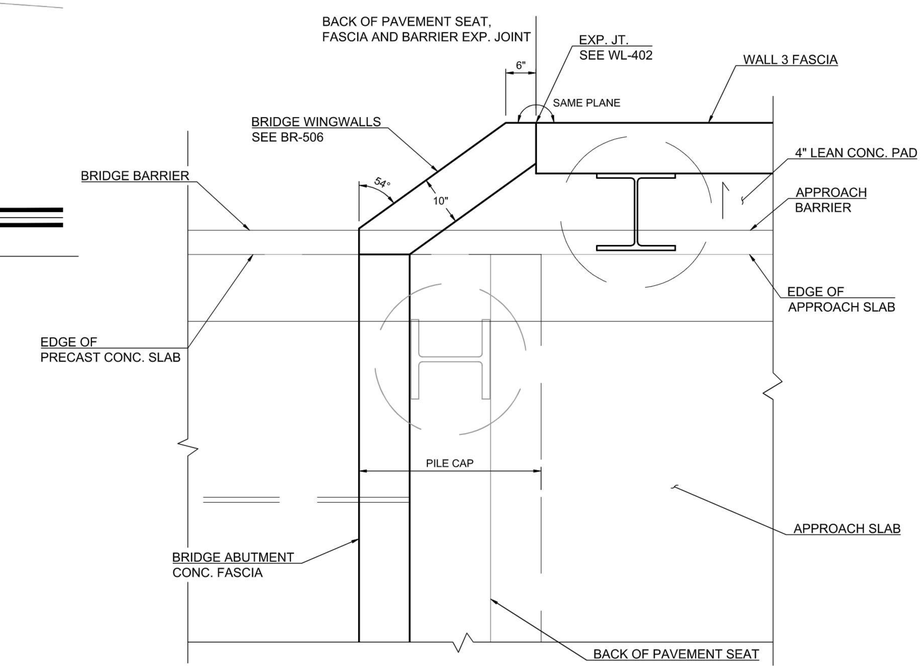
NOTES:
1. SEE DRAWINGS WL-201 FOR SOLDIER PILE SCHEDULE.
2. STATION AND F-ELEVATIONS REPRESENT FINISHED GRADE AT FRONT FACE OF WALL.
3. WALL LAYOUT STATIONING IS PROVIDED AS OFFSET FROM ℄ GEORGE DAVIS CREEK LINE.
4. ▨ INDICATES PREFABRICATED DRAINAGE MAT FULL HEIGHT OF LAGGING, CENTERED BETWEEN PILES, TYP.
5. ONLY SOLDIER PILE WALL UNDERDRAIN IS SHOWN. SEE DRAINAGE DRAWINGS FOR DRAINAGE AND STORM BEYOND THIS WALL.



WALL 3 PLAN



WALL 3 ELEVATION



DETAIL 1

WALL 3 ALIGNMENT TABLE							
LABEL	START STATION	LENGTH	LINE/CHORD DIRECTION	START NORTHING	START EASTING	END NORTHING	END EASTING
1	30+00.00	25.91	N6° 57' 15.11"E	226928.44	1335929.14	226954.16	1335932.27

DATUM
NAVD (88)

Conformed Set

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX

WALL 3 PLAN AND PROFILE FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

Know what's below. Call before you dig.

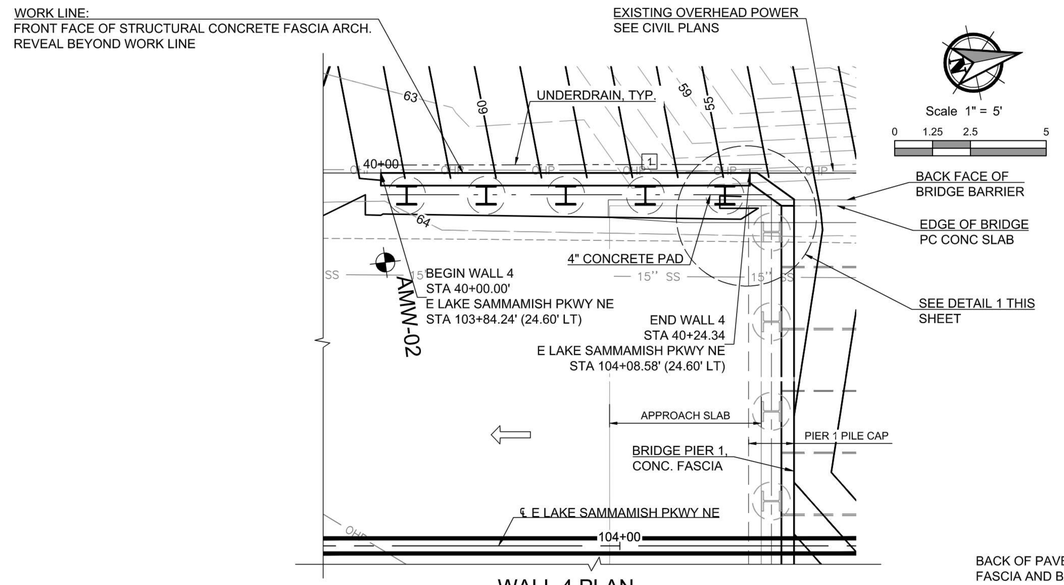
NMA AIA OF WASH
50405 REGISTERED PROFESSIONAL ENGINEER
02/16/2026

DESIGNED: MZ
CHECKED: NA
NOVEMBER 2025
45015-004

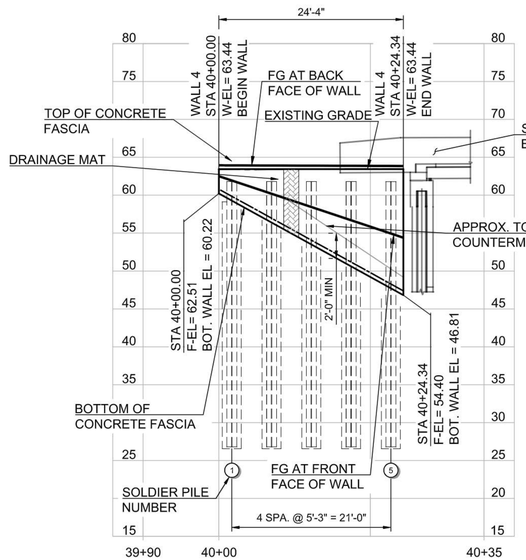
SHEET ID
WL-103
SHEET 66 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\WL-103-WL-104 WALL 3 AND WALL 4 PLAN AND PROFILE.dwg Layout Tab: WALL 3 PLAN AND PROFILE User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:45:22 PM FILE

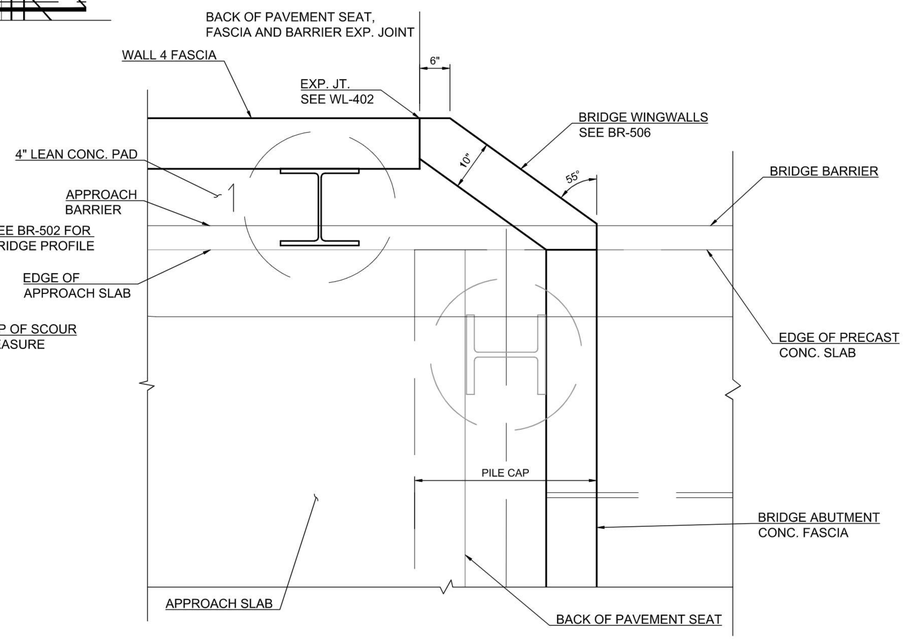
NOTES:
1. SEE DRAWINGS WL-201 FOR SOLDIER PILE SCHEDULE.
2. STATION AND F-ELEVATIONS REPRESENT FINISHED GRADE AT FRONT FACE OF WALL.
3. WALL LAYOUT STATIONING IS PROVIDED AS OFFSET FROM ℄ GEORGE DAVIS CREEK LINE.
4. ⊠ INDICATES PREFABRICATED DRAINAGE MAT FULL HEIGHT OF LAGGING, CENTERED BETWEEN PILES, TYP.
5. ONLY SOLDIER PILE WALL UNDERDRAIN IS SHOWN. SEE DRAINAGE DRAWINGS FOR DRAINAGE AND STORM BEYOND THIS WALL.



WALL 4 PLAN



WALL 4 DEVELOPED ELEVATION



DETAIL 1

WALL 4 ALIGNMENT TABLE							
LABEL	START STATION	LENGTH	LINE/CHORD DIRECTION	START NORTHING	START EASTING	END NORTHING	END EASTING
1	40+00.00	24.34	N6° 57' 15.03"E	226885.00	1335923.84	226909.16	1335926.78

NAVD (88)

Conformed Set

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\WL-103-WL-104 WALL 3 AND WALL 4 PLAN AND PROFILE.dwg Layout Tab: WALL 4 PLAN AND PROFILE User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:45:29 PM

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX

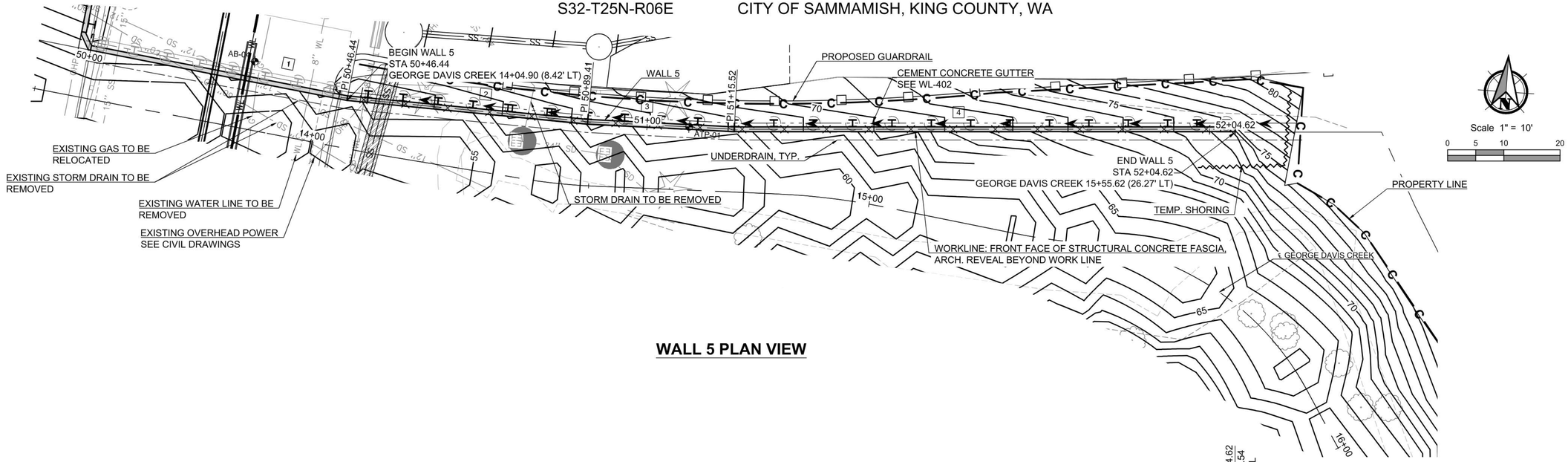
WALL 4 PLAN AND PROFILE FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

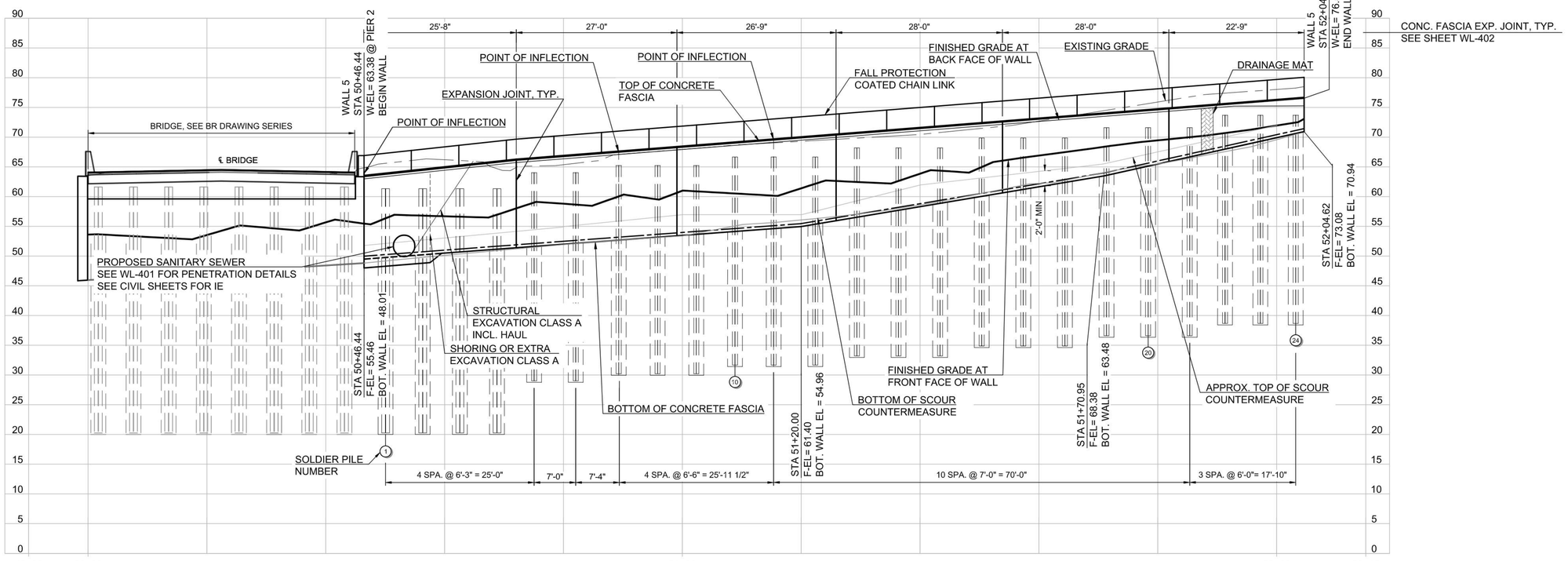
NIMA ALI — STATE OF WASHINGTON — 30405 — REGISTERED PROFESSIONAL ENGINEER — 02/16/2026

DESIGNED: MZ
CHECKED: NA
NOVEMBER 2025
45015-004
SHEET ID
WL-104
SHEET 67 OF 108

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA



WALL 5 PLAN VIEW



WALL 5 DEVELOPED ELEVATION

WALL 5 ALIGNMENT TABLE

LABEL	START STATION	LENGTH	LINE/CHORD DIRECTION	START NORTHING	START EASTING	END NORTHING	END EASTING
1	50+00.00	46.44	S83° 02' 44.40"E	226928.67	1335931.35	226923.05	1335977.44
2	50+46.44	42.97	S88° 32' 39.85"E	226923.05	1335977.44	226921.95	1336020.40
3	50+89.41	26.11	N88° 46' 54.12"E	226921.95	1336020.40	226922.51	1336046.51
4	51+15.52	89.09	N85° 51' 13.33"E	226922.51	1336046.51	226928.95	1336135.37

DATUM
NAVD (88)

NOTES:
1. SEE DRAWINGS WL-201 FOR SOLDIER PILE SCHEDULE.
2. STATION AND F-ELEVATIONS REPRESENT FINISHED GRADE AT FRONT FACE OF WALL.
3. WALL LAYOUT STATIONING IS PROVIDED AS OFFSET FROM ℄ GEORGE DAVIS CREEK LINE.
4. ▨ INDICATES PREFABRICATED DRAINAGE MAT FULL HEIGHT OF LAGGING, CENTERED BETWEEN PILES, TYP.
5. ONLY SOLDIER PILE WALL UNDERDRAIN IS SHOWN. SEE DRAINAGE DRAWINGS FOR DRAINAGE AND STORM BEYOND THIS WALL.

Conformed Set

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

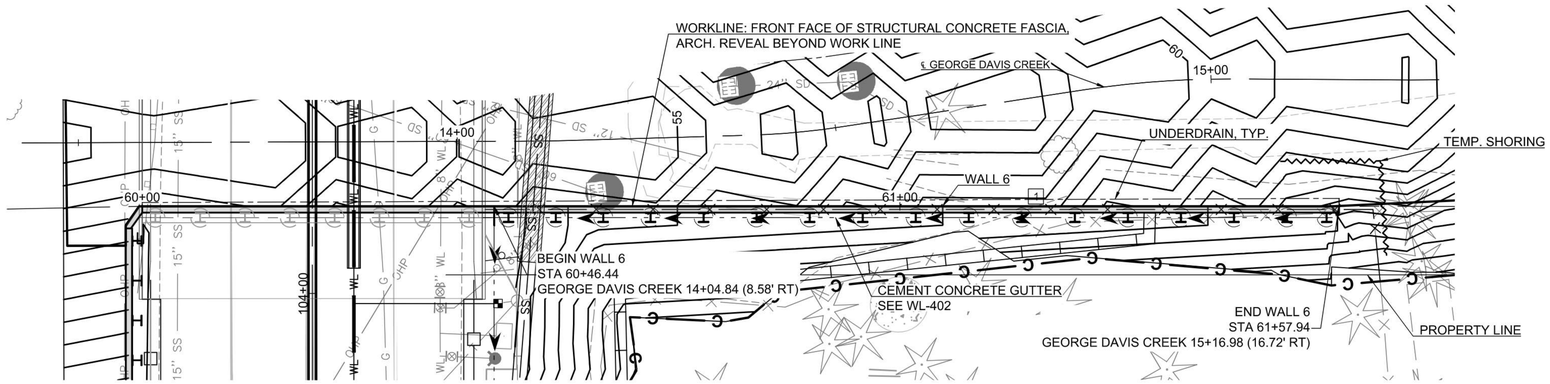
WALL 5 PLAN AND PROFILE FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

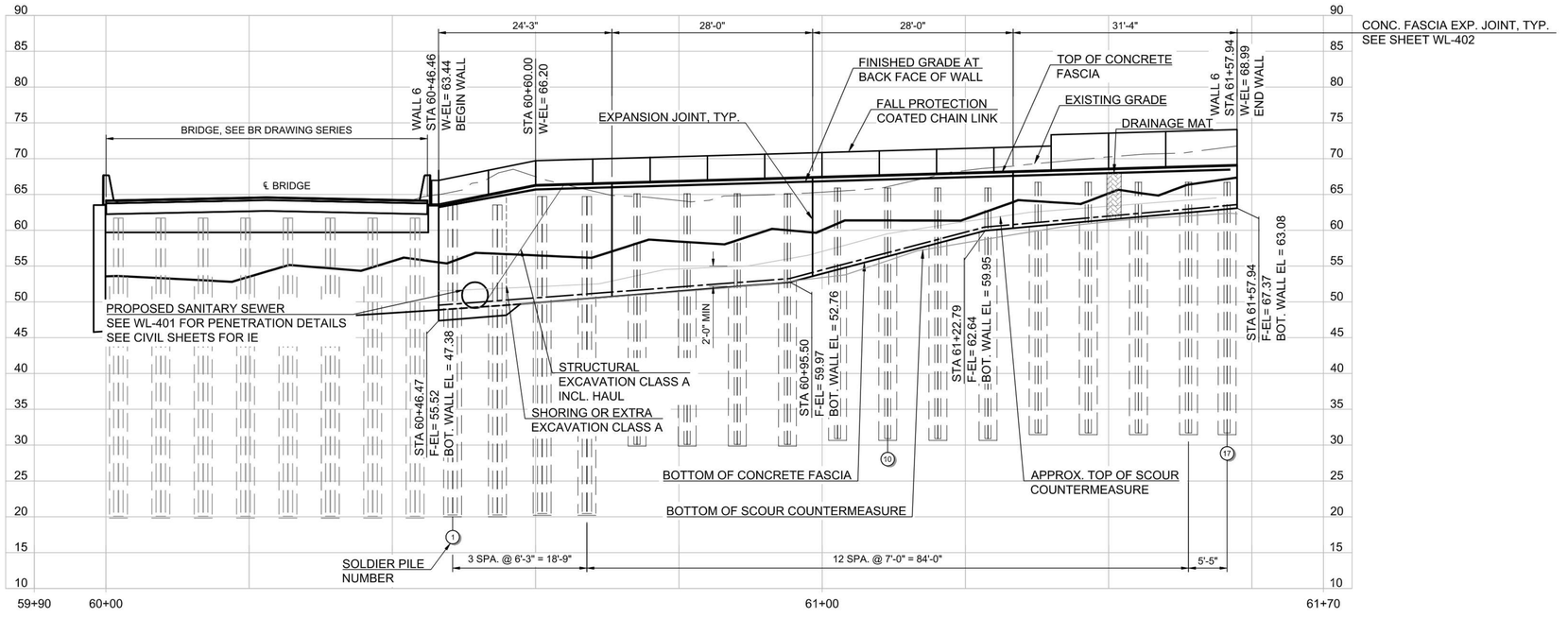
NIMA ALA OF WASH
36405 REGISTERED PROFESSIONAL ENGINEER
02/16/2026

DESIGNED: RS
CHECKED: NA
NOVEMBER 2025
45015-004
SHEET ID
WL-105
SHEET 68 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\WL-105-WL-106 WALL 5 AND WALL 6 PLAN AND PROFILE.dwg Layout Tab: WALL 5 PLAN AND PROFILE User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:46:14 PM



WALL 6 PLAN VIEW



WALL 6 PROFILE

NOTES:
1. SEE DRAWINGS WL-201 FOR SOLDIER PILE SCHEDULE.
2. STATION AND F-ELEVATIONS REPRESENT FINISHED GRADE AT FRONT FACE OF WALL.
3. WALL LAYOUT STATIONING IS PROVIDED AS OFFSET FROM ℄ GEORGE DAVIS CREEK LINE.
4. ▨ INDICATES PREFABRICATED DRAINAGE MAT FULL HEIGHT OF LAGGING, CENTERED BETWEEN PILES, TYP.
5. ONLY SOLDIER PILE WALL UNDERDRAIN IS SHOWN. SEE DRAINAGE DRAWINGS FOR DRAINAGE AND STORM BEYOND THIS WALL.

WALL 6 ALIGNMENT TABLE

LABEL	START STATION	LENGTH	LINE/CHORD DIRECTION	START NORTHING	START EASTING	END NORTHING	END EASTING
1	60+00.00	157.96	S83° 02' 44.40"E	226911.79	1335929.29	226892.67	1336086.08

DATUM
NAVD (88)

Conformed Set

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

WALL 6 PLAN AND PROFILE FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.



DESIGNED: RS
CHECKED: NA
NOVEMBER 2025
45015-004
SHEET ID
WL-106
SHEET 69 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CADWorking\Sheets\WL-105-WL-106 WALL 5 AND WALL 6 PLAN AND PROFILE.dwg Layout Tab: WALL 6 PLAN AND PROFILE User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:46:20 PM
Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

SOLDIER PILE SCHEDULE (ALL UNITS IN FT UNO)								
WALL NO	PILE NO	WALL STATION	PILE SIZE	SHAFT DIAMETER	FRONT OF WALL FG ELEV	TOP OF PILE ELEV	BOT OF PILE ELEV	PILE LENGTH
WALL 1	1	10+01.32	W18X65	2'-6"	50.19	50.75	18.75	32.00
	2	10+08.32	W18X65	2'-6"	48.42	50.75	18.75	32.00
	3	10+15.32	W18X65	2'-6"	46.89	50.75	18.75	32.00
	4	10+22.32	W18X65	2'-6"	46.94	52.54	17.54	35.00
	5	10+30.21	W18X65	2'-6"	47.35	52.54	17.54	35.00
	6	10+36.84	W18X65	2'-6"	47.71	52.54	17.54	35.00

SOLDIER PILE SCHEDULE (ALL UNITS IN FT UNO)								
WALL NO	PILE NO	WALL STATION	PILE SIZE	SHAFT DIAMETER	FRONT OF WALL FG ELEV	TOP OF PILE ELEV	BOT OF PILE ELEV	PILE LENGTH
WALL 2	1	20+01.32	W18X65	2'-6"	44.13	44.27	12.27	32.00
	2	20+07.36	W18X65	2'-6"	42.63	44.27	12.27	32.00
	3	20+14.36	W18X65	2'-6"	41.59	46.27	14.27	32.00
	4	20+21.36	W18X65	2'-6"	41.84	46.27	14.27	32.00
	5	20+28.36	W18X65	2'-6"	42.24	47.44	15.44	32.00
	6	20+35.36	W18X65	2'-6"	42.64	47.44	15.44	32.00
	7	20+42.36	W18X65	2'-6"	43.06	48.66	16.66	32.00
	8	20+49.36	W18X65	2'-6"	43.49	48.66	16.66	32.00
	9	20+56.36	W18X65	2'-6"	43.93	50.41	18.41	32.00
	10	20+63.36	W18X65	2'-6"	44.38	50.41	18.41	32.00
	11	20+70.36	W18X65	2'-6"	44.85	52.16	20.16	32.00
	12	20+77.36	W18X65	2'-6"	45.35	52.16	20.16	32.00
	13	20+84.36	W18X65	2'-6"	45.86	53.67	21.67	32.00
	14	20+91.36	W18X65	2'-6"	46.42	53.67	21.67	32.00
	15	20+98.36	W18X65	2'-6"	46.98	54.72	19.72	35.00
	16	21+06.34	W18X65	2'-6"	47.36	54.72	19.72	35.00
	17	21+13.10	W18X65	2'-6"	47.70	54.72	19.72	35.00

SOLDIER PILE SCHEDULE (ALL UNITS IN FT UNO)								
WALL NO	PILE NO	WALL STATION	PILE SIZE	SHAFT DIAMETER	FRONT OF WALL FG ELEV	TOP OF PILE ELEV	BOT OF PILE ELEV	PILE LENGTH
WALL 3	1*	30+05.05	W14X176	2'-6"	55.00	61.80	26.80	35.00
	2*	30+11.39	W14X176	2'-6"	57.14	61.80	26.80	35.00
	3*	30+17.72	W14X176	2'-6"	59.32	61.80	26.80	35.00
	4*	30+24.06	W14X176	2'-6"	61.41	61.80	26.80	35.00

SOLDIER PILE SCHEDULE (ALL UNITS IN FT UNO)								
WALL NO	PILE NO	WALL STATION	PILE SIZE	SHAFT DIAMETER	FRONT OF WALL FG ELEV	TOP OF PILE ELEV	BOT OF PILE ELEV	PILE LENGTH
WALL 4	1*	40+01.70	W14X176	2'-6"	61.95	61.80	26.80	35.00
	2*	40+06.95	W14X176	2'-6"	60.18	61.80	26.80	35.00
	3*	40+12.20	W14X176	2'-6"	58.43	61.80	26.80	35.00
	4*	40+17.45	W14X176	2'-6"	56.71	61.80	26.80	35.00
	5*	40+22.70	W14X176	2'-6"	54.94	61.80	26.80	35.00

SOLDIER PILE SCHEDULE (ALL UNITS IN FT UNO)								
WALL NO	PILE NO	WALL STATION	PILE SIZE	SHAFT DIAMETER	FRONT OF WALL FG ELEV	TOP OF PILE ELEV	BOT OF PILE ELEV	PILE LENGTH
WALL 5	1*	50+50.06	W14X176	2'-6"	56.33	61.33	20.33	41.00
	2*	50+56.31	W14X176	2'-6"	56.80	61.33	20.33	41.00
	3*	50+62.56	W14X176	2'-6"	56.62	61.33	20.33	41.00
	4*	50+68.81	W14X176	2'-6"	56.95	61.33	20.33	41.00
	5*	50+75.06	W14X176	2'-6"	59.02	64.02	29.02	35.00
	6*	50+82.06	W14X176	2'-6"	58.66	64.02	29.02	35.00
	7*	50+89.38	W14X176	2'-6"	60.05	65.21	30.21	35.00
	8*	50+95.96	W14X176	2'-6"	59.53	65.21	30.21	35.00
	9	51+02.47	W16X77	2'-6"	60.89	65.21	30.21	35.00
	10	51+08.98	W16X77	2'-6"	60.53	66.67	31.67	35.00
	11	51+15.49	W16X77	2'-6"	60.17	66.67	31.67	35.00
	12	51+22.56	W16X77	2'-6"	62.17	66.67	31.67	35.00
	13	51+29.56	W16X77	2'-6"	62.47	68.20	33.20	35.00
	14	51+36.56	W16X77	2'-6"	62.62	68.20	33.20	35.00
	15	51+43.56	W16X77	2'-6"	64.36	68.20	33.20	35.00
	16	51+50.56	W16X77	2'-6"	64.96	69.87	34.87	35.00
	17	51+57.56	W16X77	2'-6"	66.56	69.87	34.87	35.00
	18	51+64.56	W16X77	2'-6"	67.48	69.87	34.87	35.00
	19	51+71.56	W16X77	2'-6"	68.43	71.61	36.61	35.00
	20	51+78.56	W16X77	2'-6"	69.31	71.61	36.61	35.00
	21	51+85.56	W16X77	2'-6"	70.00	71.61	36.61	35.00
	22	51+92.56	W16X77	2'-6"	70.70	73.68	38.68	35.00
	23	51+97.77	W16X77	2'-6"	71.53	73.68	38.68	35.00
	24	52+02.99	W16X77	2'-6"	72.47	73.68	38.68	35.00

SOLDIER PILE SCHEDULE (ALL UNITS IN FT UNO)								
WALL NO	PILE NO	WALL STATION	PILE SIZE	SHAFT DIAMETER	FRONT OF WALL FG ELEV	TOP OF PILE ELEV	BOT OF PILE ELEV	PILE LENGTH
WALL 6	1*	60+48.33	W14X176	2'-6"	55.65	63.25	20.25	43.00
	2*	60+54.58	W14X176	2'-6"	56.73	63.25	20.25	43.00
	3*	60+60.83	W14X176	2'-6"	56.45	64.25	20.25	44.00
	4*	60+67.08	W14X176	2'-6"	56.18	64.25	20.25	44.00
	5	60+74.08	W16X77	2'-6"	58.17	65.10	30.10	35.00
	6	60+81.08	W16X77	2'-6"	58.34	65.10	30.10	35.00
	7	60+88.08	W16X77	2'-6"	58.61	65.10	30.10	35.00
	8	60+95.08	W16X77	2'-6"	60.01	65.10	30.10	35.00
	9	61+02.08	W16X77	2'-6"	60.94	65.90	30.90	35.00
	10	61+09.08	W16X77	2'-6"	61.38	65.90	30.90	35.00
	11	61+16.08	W16X77	2'-6"	61.36	65.90	30.90	35.00
	12	61+23.08	W16X77	2'-6"	62.68	65.90	30.90	35.00
	13	61+30.08	W16X77	2'-6"	64.04	66.70	31.70	35.00
	14	61+37.08	W16X77	2'-6"	64.07	66.70	31.70	35.00
	15	61+44.08	W16X77	2'-6"	65.23	66.70	31.70	35.00
	16	61+51.08	W16X77	2'-6"	66.37	66.70	31.70	35.00
	17	61+56.31	W16X77	2'-6"	67.16	66.70	31.70	35.00

*SHAFT INSTALLATION TOLERANCE SHALL NOT EXCEED 3 INCHES, IN LIEU OF TOLERANCE SPECIFIED IN THE WSDOT STANDARD SPECIFICATIONS.

Conformed Set

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

PILE AND LAGGING DATA TABLES FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

Know what's below. Call before you dig.

NMA AIA OF WASH
60405 REGISTERED PROFESSIONAL ENGINEER
02/16/2026

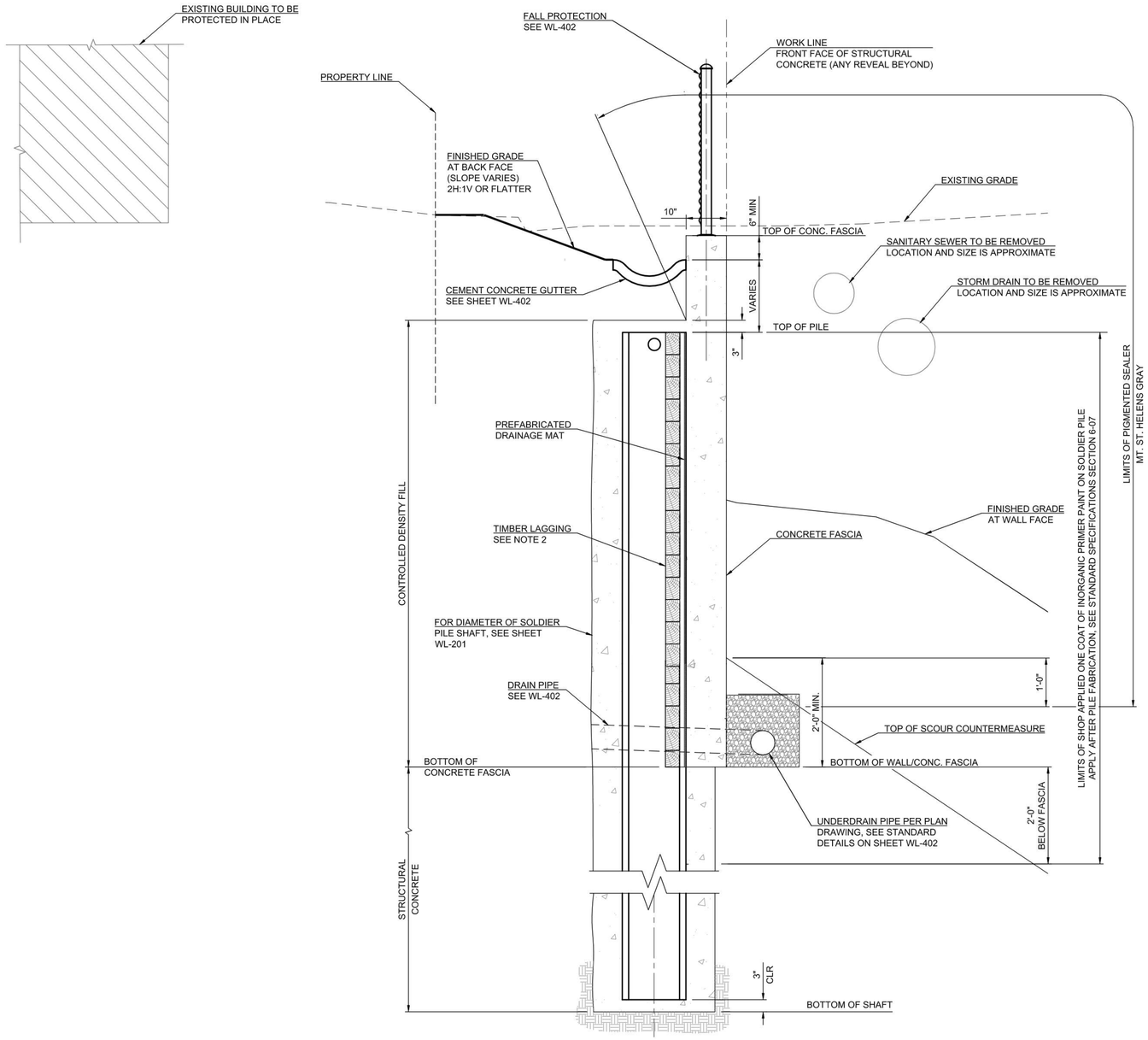
DESIGNED: RS
CHECKED: NA
NOVEMBER 2025
45015-004

SHEET ID
WL-201
SHEET 70 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CADI\Working\Sheets\WL-201-WL-202 PILE AND LAGGING DATA TABLES.dwg Layout Tab: PILE AND LAGGING DATA TABLES User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:46:33 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

NOTES:
1. SEE STANDARD DETAILS DWG WL-402 FOR TYPICAL CEMENT CONCRETE GUTTER DETAIL.
2. TEMPORARY LAGGING SHALL CONFORM TO WSDOT STANDARD SPECIFICATION STATION 6-16.3(6)B.
3. SEE WL-401 FOR FASCIA REINFORCING.



TYPICAL SECTION - WALL 1

Conformed Set

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

WALL 1 TYPICAL SECTION FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

Know what's below. Call before you dig.

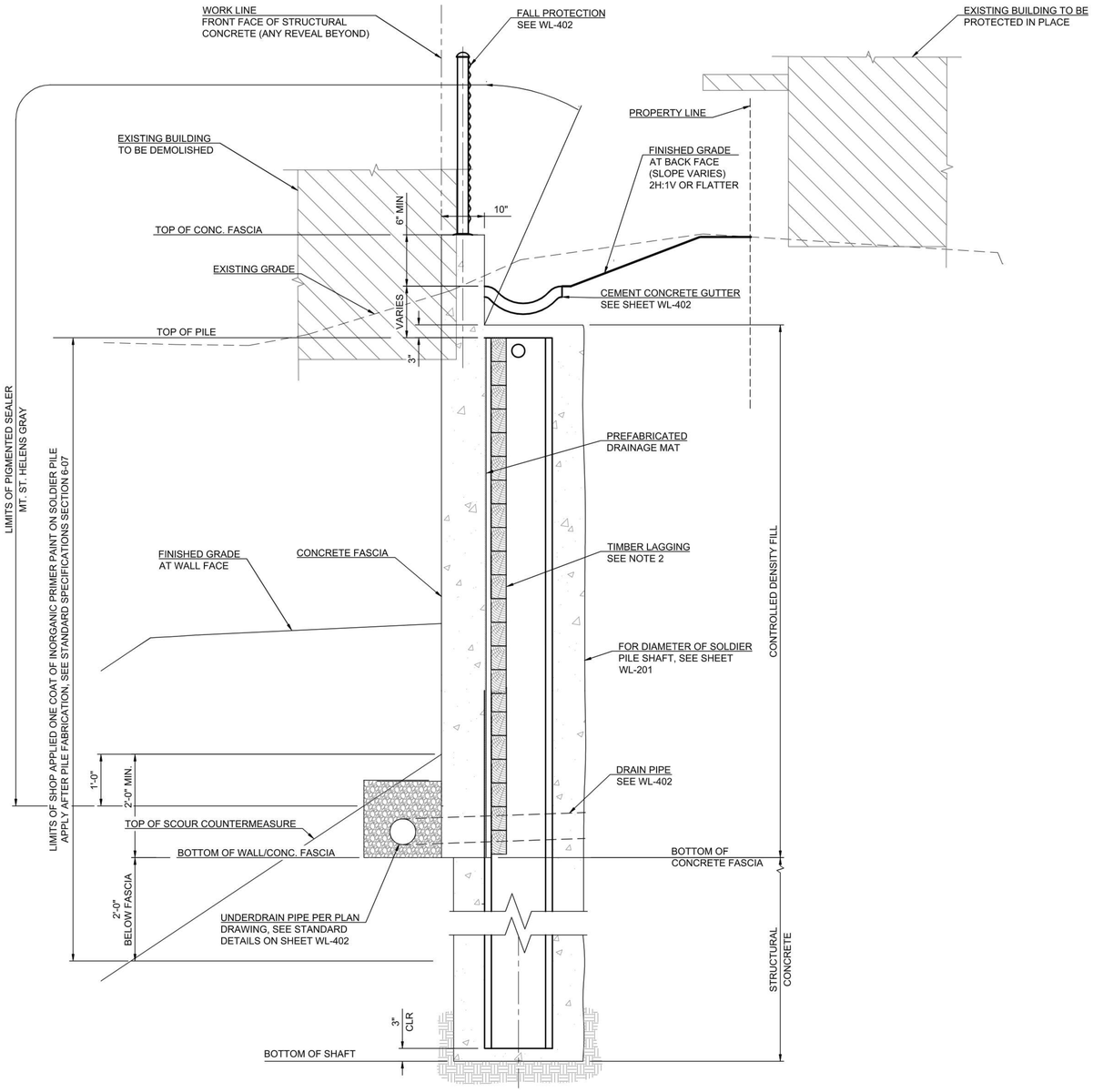
NIMA ALA OF WASHINGTON
50405 REGISTERED PROFESSIONAL ENGINEER
02/16/2026

DESIGNED:	MZ
CHECKED:	NA
NOVEMBER 2025	45015-004
SHEET ID	WL-301
SHEET	71 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\WL-301-WL-306 TYPICAL SECTIONS.dwg Layout Tab: WALL 1 TYPICAL SECTION User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:46:52 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

NOTES:
1. SEE STANDARD DETAILS DWG WL-402 FOR TYPICAL CEMENT CONCRETE GUTTER DETAIL.
2. TEMPORARY LAGGING SHALL CONFORM TO WSDOT STANDARD SPECIFICATION STATION 6-16.3(6)B.
3. SEE WL-401 FOR FASCIA REINFORCING.



TYPICAL SECTION - WALL 2

Conformed Set

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

WALL 2 TYPICAL SECTION FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

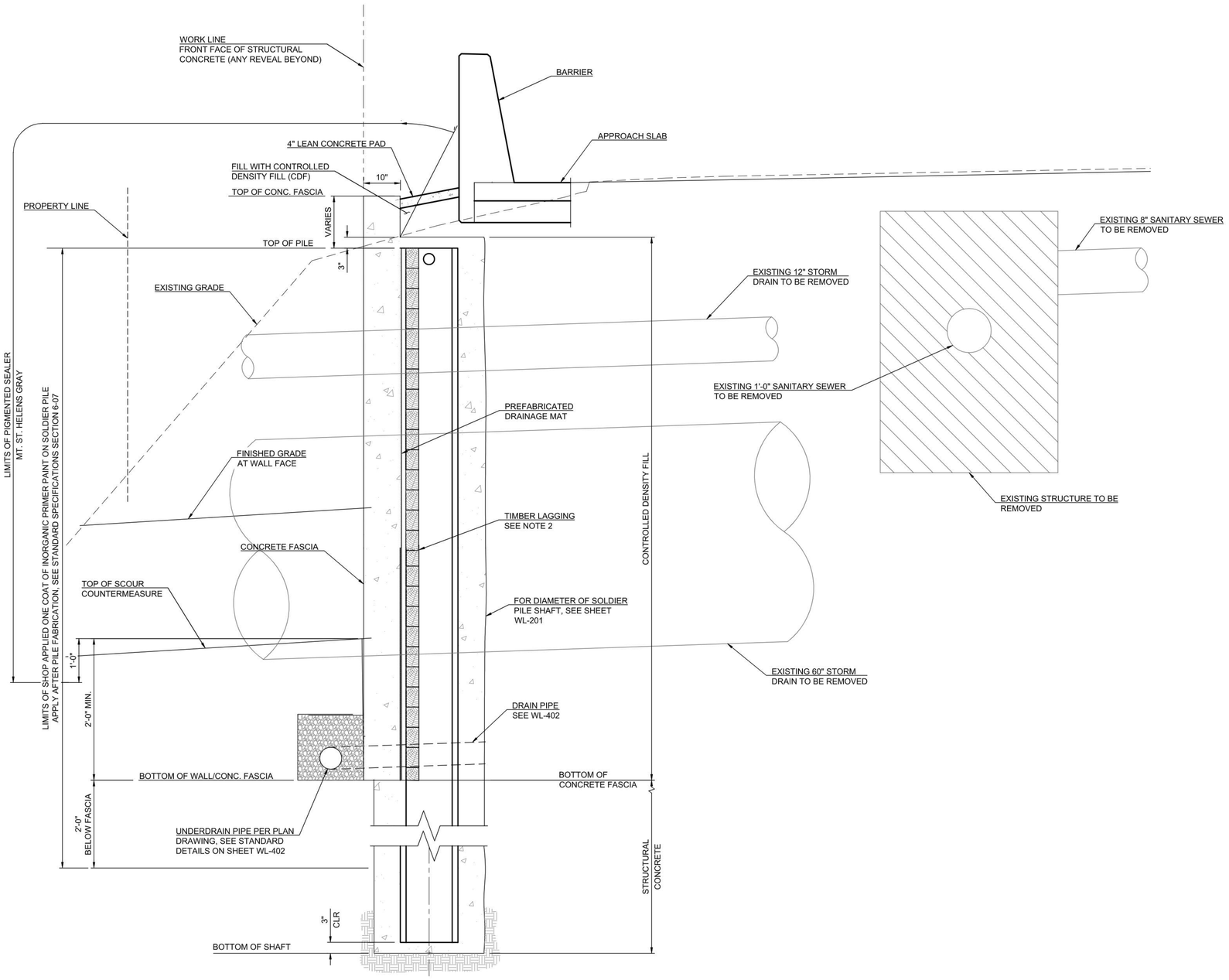
NAMA AIA OF WASH.
50405 REGISTERED PROFESSIONAL ENGINEER
02/16/2026

DESIGNED:	MZ
CHECKED:	NA
NOVEMBER 2025	45015-004
SHEET ID	WL-302
SHEET	72 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CADWorking\Sheets\WL-301-WL-306 TYPICAL SECTIONS.dwg Layout Tab: WALL 2 TYPICAL SECTION User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:46:54 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

NOTES:
1. SEE STANDARD DETAILS DWG WL-402 FOR TYPICAL CEMENT CONCRETE GUTTER DETAIL.
2. TEMPORARY LAGGING SHALL CONFORM TO WSDOT STANDARD SPECIFICATION STATION 6-16.3(6)B.
3. SEE WL-401 FOR FASCIA REINFORCING.



TYPICAL SECTION - WALL 3
WALL 4 SIMILAR

Conformed Set

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

WALL 3 & 4 TYPICAL SECTION FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

NAMA AIA OF WASH. — 50405 REGISTERED PROFESSIONAL ENGINEER — 02/16/2026

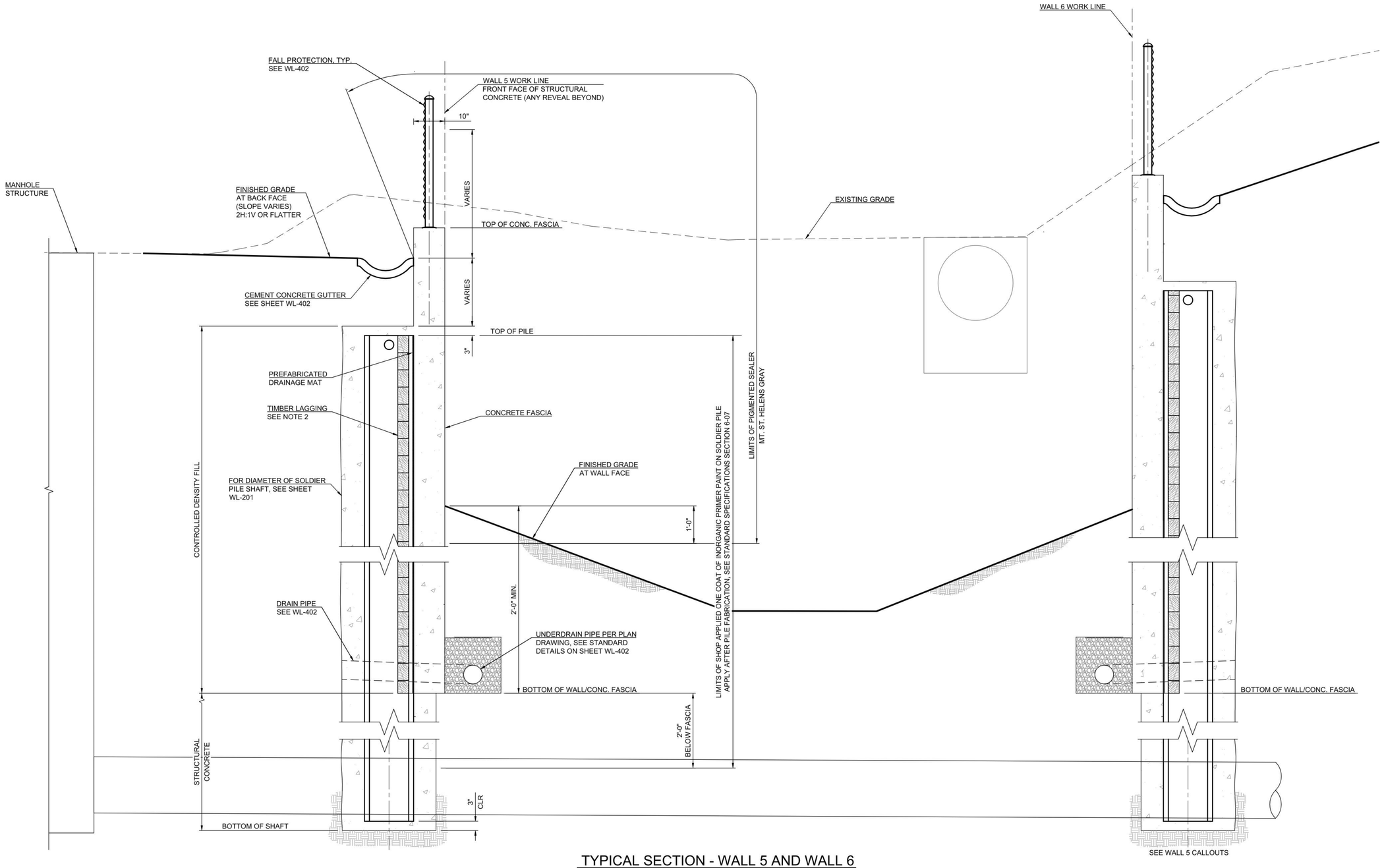
DESIGNED:	MZ
CHECKED:	NA
NOVEMBER 2025	45015-004
SHEET ID	WL-303
SHEET	73 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\WL-301-WL-306 TYPICAL SECTIONS.dwg Layout Tab: WALL 3 & 4 TYPICAL SECTION User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:46:57 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

NOTES:
1. SEE STANDARD DETAILS DWG WL-402 FOR TYPICAL CEMENT CONCRETE GUTTER DETAIL.
2. TEMPORARY LAGGING SHALL CONFORM TO WSDOT STANDARD SPECIFICATION STATION 6-16.3(6)B.
3. SEE WL-401 FOR FASCIA REINFORCING.

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA



TYPICAL SECTION - WALL 5 AND WALL 6

Conformed Set

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\WL-301-WL-306 TYPICAL SECTIONS.dwg Layout Tab: WALL 5 & 6 TYPICAL SECTIONS User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:46:59 PM

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

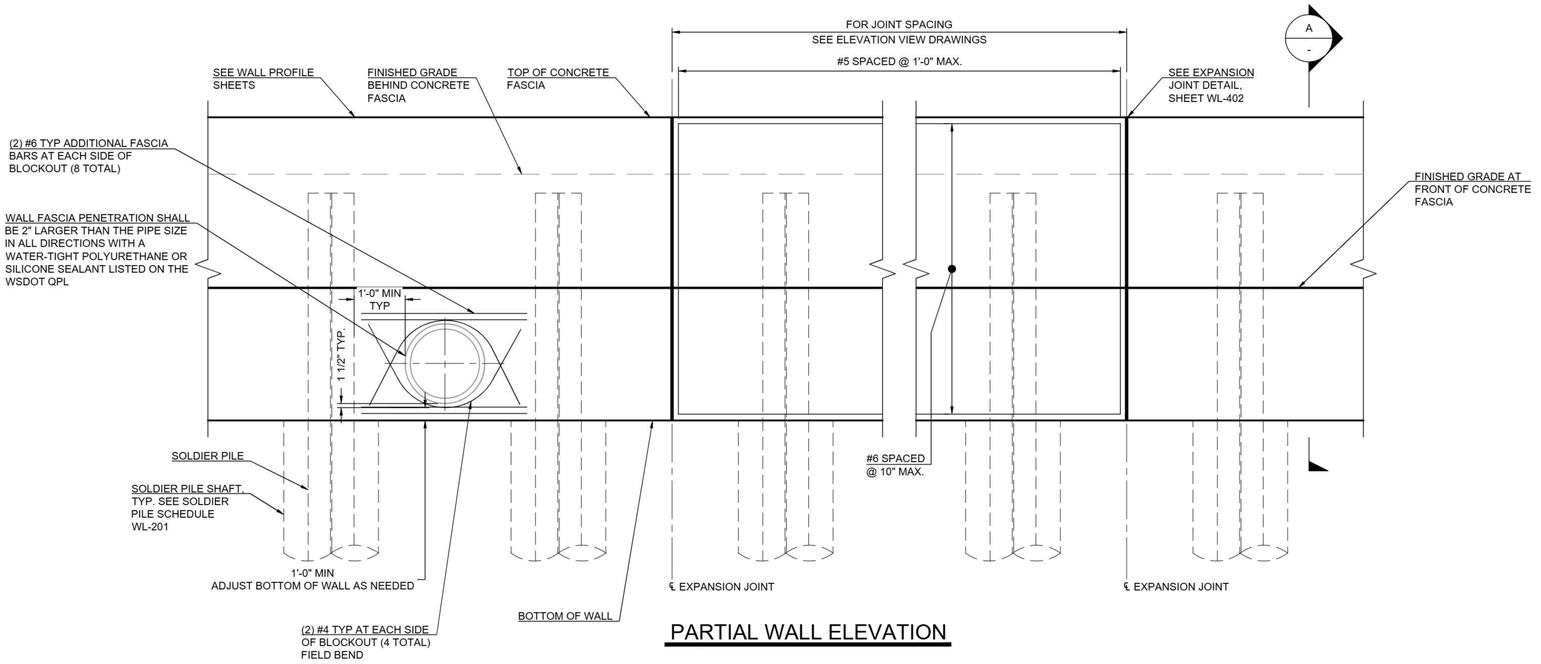
WALL 5 & 6 TYPICAL SECTIONS FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

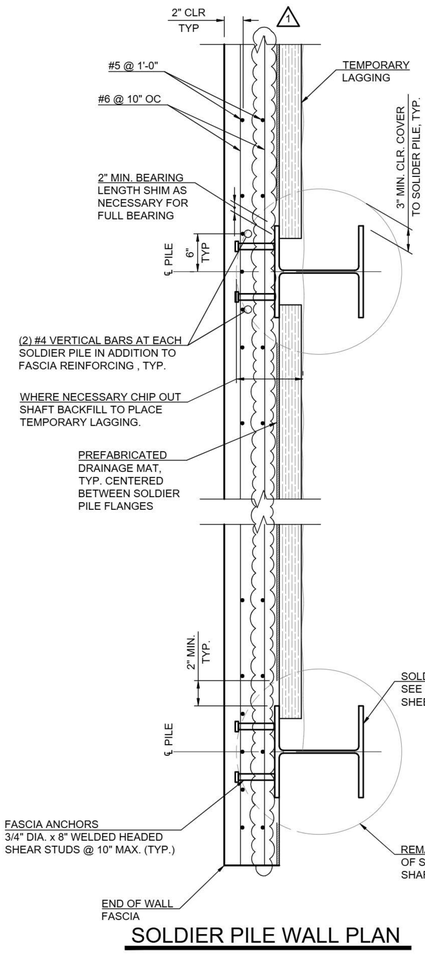
PALMA ALA OF WASH. 30405 REGISTERED PROFESSIONAL ENGINEER 02/16/2026

DESIGNED:	MZ
CHECKED:	NA
NOVEMBER 2025	45015-004
SHEET ID	WL-304
SHEET	74 OF 108

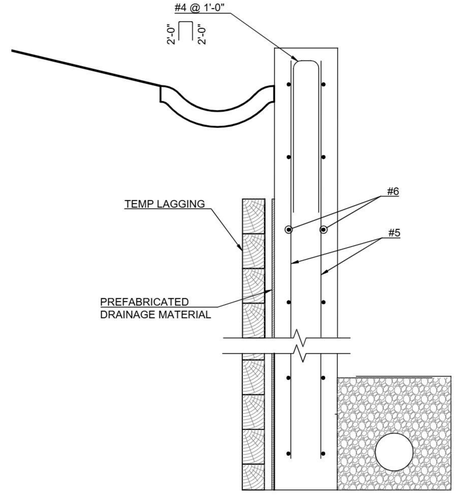
S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA



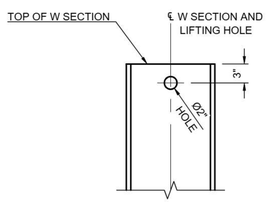
PARTIAL WALL ELEVATION



SOLDIER PILE WALL PLAN



SECTION A



SOLDIER PILE LIFTING HOLE

LIFTING HOLE TO BE DRILLED IN THE SHOP PRIOR TO PAINTING THE PILE

NOTES:

1. LAGGING SYSTEM SHALL BE DESIGNED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL. THE SOIL TYPE FOR TIMBER LAGGING IS TYPE C.
2. SHEAR STUDS SHALL BEGIN 3" BELOW TOP OF PILE AND END 6" ABOVE BOTTOM OF WALL CONCRETE FASCIA.
3. DETAILS NOT DRAWN TO SCALE

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

Conformed Set

No.	Revision	Date	By	App'd
1	SECOND LAYER OF FASCIA REINFORCING	3/11/26	MZ	NA

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

WALL TYPICAL DETAILS - 1 OF 2 FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

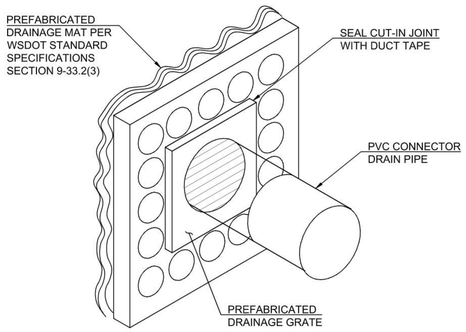
811 Know what's below. Call before you dig.

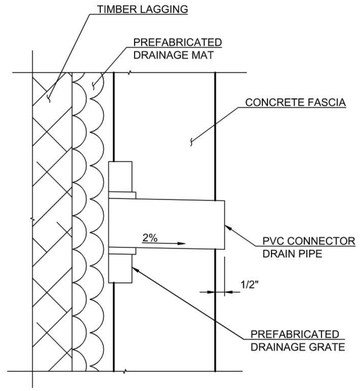
NILMA ALA — 20405 — REGISTERED PROFESSIONAL ENGINEER — STATE OF WASHINGTON — 03/11/2026

DESIGNED: MZ
CHECKED: NA
NOVEMBER 2025
45015-004

SHEET ID
WL-401
SHEET 75 OF 108

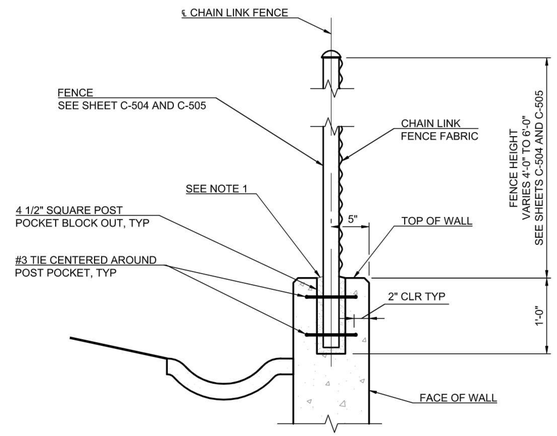
Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\WL-401-WL-403 TYPICAL DETAILS.dwg Layout Tab: WALL TYPICAL DETAILS - 1 OF 2 User: Michaela Zuro CAD Plot Date/Time: 3/11/2026 1:43:52 PM





NOTE - DRAIN GRATE INSTALLATION SHALL NOT DISRUPT PREFABRICATED DRAINAGE MAT.

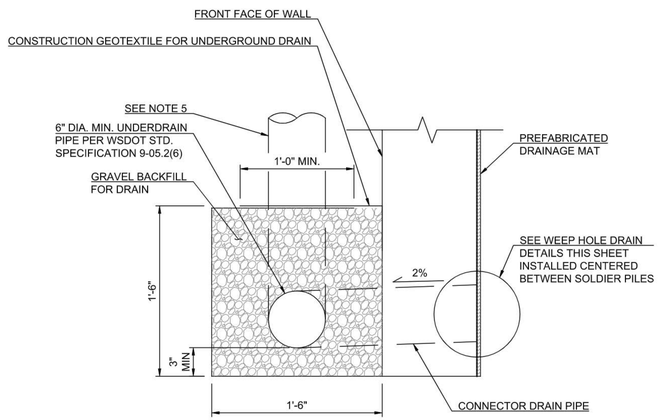
WEEP HOLE DRAIN DETAILS



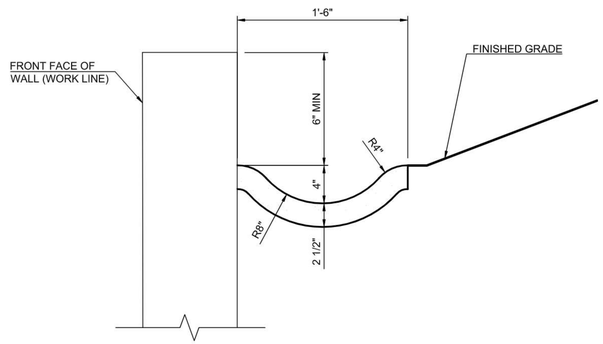
NOTES:

1. PROVIDE 1/4" CROWN ABOVE TOP OF WALL WITH GROUT SURROUNDING FENCE POST AS SHOWN TO PREVENT PONDING.
2. CONCRETE FASCIA WALL REINFORCING NOT SHOWN FOR CLARITY.

FENCE POST ATTACHMENT

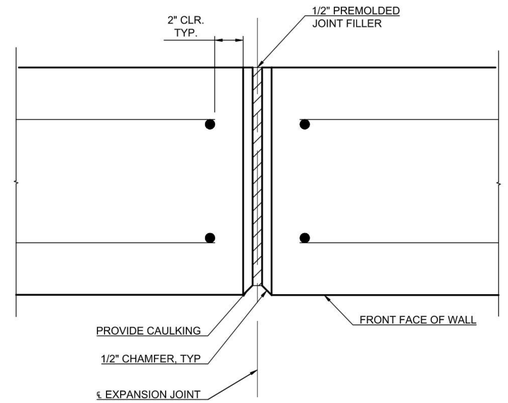


UNDERDRAIN DETAIL



GUTTER DETAIL

DRAINAGE GUTTERS SHALL BE CONSTRUCTED WITH 3000 PSI CONCRETE PER WSDOT STANDARD SPECIFICATION 08-04.3(1).



WALL EXPANSION JOINT TYPICAL DETAIL

EXPANSION JOINT NOTES:

1. VERTICAL REINFORCEMENT SHALL BE PLACED A MIN. 2 INCHES FROM WALL BACKFILL SIDE CHAMFERS.
2. PROVIDE VERTICAL CHAMFER FROM TOP OF WALL TO A MIN. 1'-0" BELOW FINISHED GRADE BEHIND THE WALL.

UNDERDRAIN NOTES:

1. UNDERDRAIN OUTLETS SHALL BE CONNECTED TO STORM DRAIN SYSTEM WHERE POSSIBLE AND DAYLIGHT TO SURFACE WHERE NOT POSSIBLE. UNDERDRAINS THAT DAYLIGHT TO SURFACE SHALL BE FITTED WITH A FLAP TYPE ANTI-RODENT ENTRY FITTING. EXTEND PIPE BEYOND GRADE A MINIMUM 1'-0", OR AS REQUIRED TO ATTACH FITTING.
2. UNDERDRAINS THAT OUTLET TO STREAM CHANNELS SHALL BE FITTED WITH STAINLESS STEEL MESH ANTI-RODENT ENTRY FITTING. THE PIPE OUTLET SHALL BE BACKFILLED WITH FREE DRAINING PERMEABLE BALLAST OR STREAMBED SEDIMENT MATERIAL. VERTICAL DIMENSION OF DRAIN SHOWN IN THE MINIMUM AND MAY EXTEND TO A MIN. 12" BELOW FINISHED GRADE. EXTEND FREE DRAINING MATERIAL HORIZONTALLY ALONG THE UNDERDRAIN A DISTANCE OF 3'-0" FROM UNDERDRAIN OUTLET, OR UNTIL CONNECTION WITH CHANNEL STREAMBED MATERIAL, WHICHEVER IS GREATER. EXTEND FREE DRAINING MATERIAL HORIZONTALLY AND PERPENDICULAR TO THE UNDERDRAIN A MINIMUM DISTAMCE OF 9" ON EITHER SIDE OF THE UNDERDRAIN.
3. PROVIDE A MIN. 6" COVER OVER UNDERDRAIN OUTLET UNDER WALL.
4. UNDERDRAIN ALIGNMENTS AND ELEVATIONS PROVIDED MAY BE ADJUSTED IF REQUIRED WITH WALL DESIGN IN THE FIELD. UNDERDRAIN OUTLETS SHALL BE PLACED ON MIN. SLOPE OF 0.2% AND MAX. SLOPE OF 2.0%.
5. INSTALL CLEANOUTS AT 200 FT MAX. SPACING.
6. DETAILS NOT DRAWN TO SCALE.

Conformed Set

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

WALL TYPICAL DETAILS - 2 OF 2 FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

YAKIMA A.L. OF WASH. 30405 REGISTERED PROFESSIONAL ENGINEER 02/16/2026

DESIGNED: MZ
CHECKED: NA
NOVEMBER 2025 45015-004
SHEET ID WL-402
SHEET 76 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\WL-401-WL-403 TYPICAL DETAILS.dwg Layout Tab: WALL TYPICAL DETAILS - 2 OF 2 User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:47:20 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

BRIDGE NOTES:

1. ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION DATED 2025, AND AMENDMENTS.
2. THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 9TH EDITION 2020, WSDOT BRIDGE DESIGN MANUAL (2024), AND GEOTECHNICAL ENGINEERING REPORT DATED AUGUST 8, 2025, BY ASPECT CONSULTING.
3. UNLESS OTHERWISE SHOWN IN THE PLANS, CONCRETE COVER MEASURED FROM THE FACE OF THE CONCRETE TO THE FACE OF ANY REINFORCING STEEL SHALL BE 2-1/2" AT THE TOP OF THE BRIDGE DECK, 1" AT THE BOTTOM OF THE BRIDGE DECK, 3" AT THE BOTTOM OF FOOTINGS AND 2" AT ALL OTHER LOCATIONS.
4. FALSEWORK SHALL BE CAREFULLY RELEASED TO PREVENT IMPACT OR UNDUE STRESS IN THE STRUCTURE. FALSEWORK SUPPORTING PIER 1 AND PIER 2 CROSSBEAMS MUST NOT BE RELEASED UNTIL THE CONCRETE HAS REACHED 3000 PSI STRENGTH.
5. CONDUITS, JUNCTION BOXES AND UTILITIES ARE SHOWN FOR REFERENCE ONLY. THE CONTRACTOR SHALL COORDINATE THESE PLANS WITH THE ELECTRICAL, I.T.S. AND OTHER CIVIL PLANS AS APPLICABLE.

MATERIAL PROPERTIES:

1. CONCRETE
   THE CONCRETE IN BRIDGE APPROACH SLABS SHALL BE CLASS 5000A. CONCRETE IN CONCRETE FASCIA SHALL BE CLASS 4000. ALL OTHER CAST-IN-PLACE CONCRETE SHALL BE CLASS 5000. SEE GIRDER SCHEDULE FOR PRECAST SLAB GIRDERS CONCRETE CLASS.
2. GROUT
   MINIMUM REQUIRED COMPRESSIVE STRENGTH, f'c = 5.0 KSI (28 DAY).

STRUCTURAL CONCRETE:

1. ALL EXPOSED EDGES OF CONCRETE WITH AN ANGLE CHANGE GREATER THAN 50 DEGREES SHALL BE CHAMFERED 3/4" UNLESS NOTED OTHERWISE ON THE DRAWINGS.
2. CONSTRUCTION JOINTS SHALL BE ROUGHENED TO AN AMPLITUDE OF 1/4" IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS UNLESS NOTED OTHERWISE.

STEEL REINFORCEMENT:

1. UNLESS NOTED OTHERWISE, ALL REINFORCEMENT SHALL CONFORM TO ASTM A706 GRADE 60.
2. LAP SPLICES MAY BE ADDED AT CONTRACTORS OPTION UNLESS NOTED OTHERWISE. MINIMUM LAP SPLICE SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE. FOR HORIZONTAL REINFORCING PLACED SUCH THAT MORE THAN 1'-0" OF CONCRETE IS CAST BELOW THE REINFORCEMENT, INCREASE THE LAP SPLICE LENGTHS BY 30%. LAP SPLICES SHALL BE ALTERNATED SO NO MORE THAN 50% OF REINFORCEMENT IS SPLICED IN THE SAME LOCATION.

   #4 = 2'-9"
   #5 = 3'-6"
   #6 = 4'-0"
   #7 = 4'-9"
   #8 = 5'-6"
   #9 = 6'-9"

STRUCTURAL STEEL:

1. ALL STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM DESIGNATIONS UNLESS NOTED OTHERWISE ON THE DRAWINGS:

STEEL AND WIDE FLANGE (W) SECTIONS	A992 GRADE 50
PLATES AND BARS	A592 GRADE 50
CHANNELS AND ANGLES	A36

2. MISCELLANEOUS STEEL EXPOSED TO THE ENVIRONMENT SHALL BE CLEANED, PRIMED AND PAINTED AFTER WELDING. MISCELLANEOUS STEEL NOT EXPOSED TO THE ENVIRONMENT SHALL BE HOT-DIP GALVANIZED.

ANCHOR RODS:

1. ANCHOR RODS SHALL CONFORM TO ASTM F1554 GRADE 105 INCLUDING SUPPLEMENTAL REQUIREMENT S4 AND SHALL BE HOT DIPPED GALVANIZED TO ASTM F2329.
2. NUTS SHALL CONFORM TO ASTM A563 GRADE DH HEAVY HEX. WASHERS SHALL CONFORM TO ASTM F436, WASHERS AND NUTS SHALL BE HOT DIPPED GALVANIZED TO ASTM A153.
3. A MINIMUM OF ONE NUT AND ONE WASHER SHALL BE SUPPLIED WITH EACH ANCHOR ROD. PROVIDE LEVELING NUTS AND JAM NUTS AS NOTED IN THE DRAWINGS.

THE FACTORED PILE RESISTANCES SHALL BE TAKEN AS FOLLOWS. RESISTANCES INCLUDE GROUP EFFECTS AS APPLICABLE, PER GEOTECHNICAL RECOMMENDATIONS MEMO.

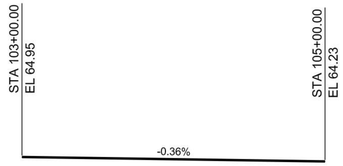
SCOUR CONDITION				
	LIMIT STATE	SER	STR	EXT
ALL PILES	SKIN FRICTION RESISTANCE (KIPS)	410	225	410
	TIP RESISTANCE (KIPS)	235	117	235
	TOTAL RESISTANCE (KIPS)	645	343	645

DESIGN LOADS:

1. DEAD LOADS (DC):

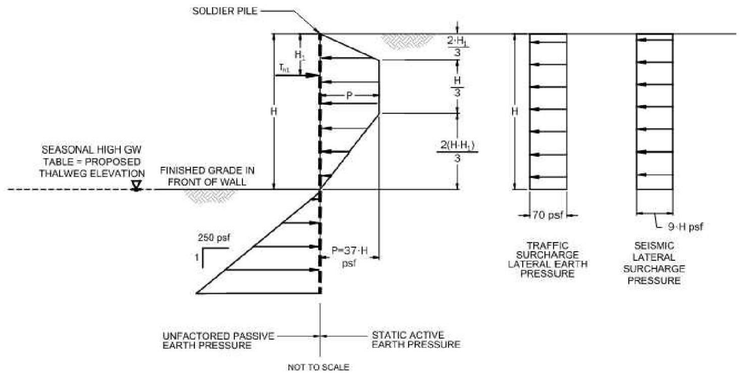
SELF WEIGHT:	
PLAIN CONCRETE	p = 145 PCF
CAST-IN-PLACE REINFORCED CONCRETE	p = 155 PCF
PRECAST-PRESTRESSED CONCRETE	p = 165 PCF
REINFORCEMENT AND STRUCTURAL STEEL	p = 490 PCF
SUPERIMPOSED DEAD LOADS:	
WATER MAIN (EA)	54.0 PLF
ADDITIONAL FUTURE WEARING	35 PSF

2. DESIGN LIVE LOAD: HL-93
3. PEDESTRIAN LOAD: 75 PSF
4. BRIDGE TRAFFIC BARRIERS DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS FOR TEST LEVEL 4 (TL-4) RAILINGS.



E LAKE SAMMAMISH PKWY NE PROFILE

EARTH PRESSURES FOR SOLDIER PILE WALL AT BRIDGE ABUTMENT



Conformed Set

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

BRIDGE STRUCTURAL NOTES AND PROFILE LINES FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

Know what's below. Call before you dig.

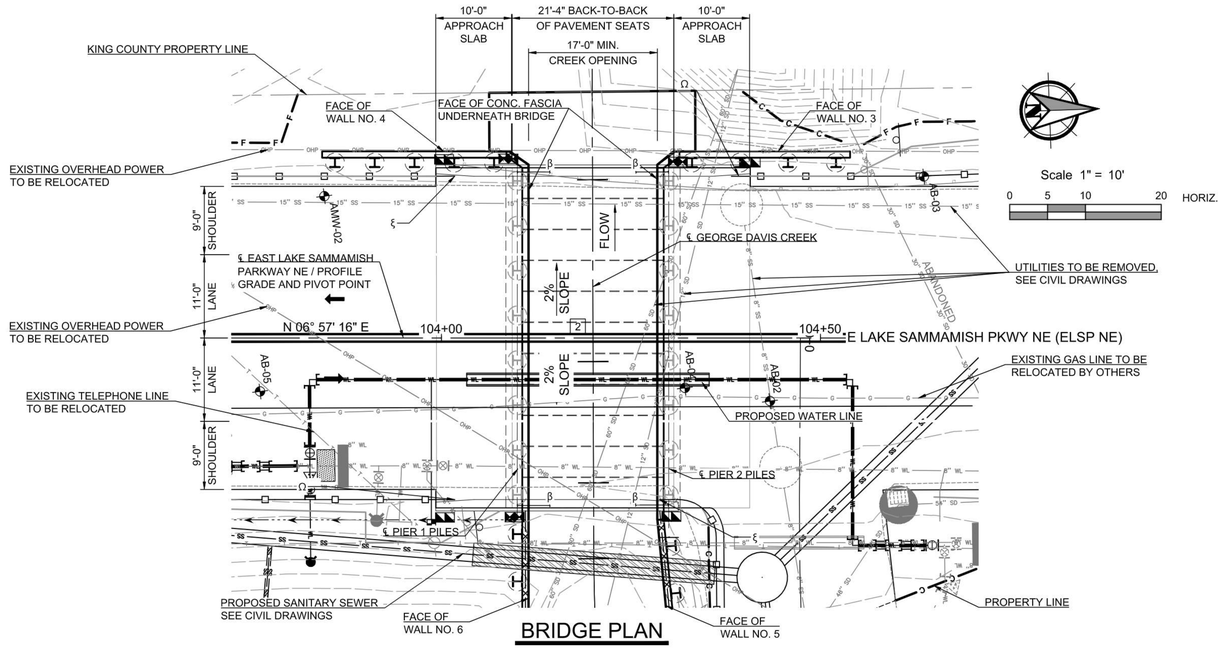
NIMA AIA OF WASH
30405 REGISTERED PROFESSIONAL ENGINEER
02/16/2026

DESIGNED: MZ
CHECKED: NA
NOVEMBER 2025
45015-004

SHEET ID
BR-501
SHEET 77 OF 108

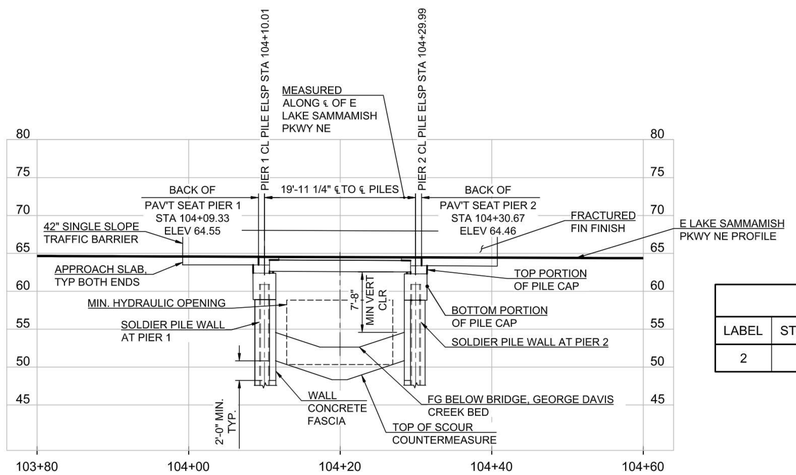
Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\BR-501 BRIDGE NOTES AND PROFILE LINES.dwg Layout Tab: BRIDGE STRUCTURAL NOTES AND PROFILE LINES User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:47:32 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.



BRIDGE PLAN

BEARING OF PIER 1 N 83° 02' 44" W
BEARING OF PIER 2 N 83° 02' 44" W



BRIDGE ELEVATION

GRADE ELEVATIONS SHOWN ARE FINISHED GRADES AT TOP OF ROADWAY SLAB ON E LAKE SAMMAMISH PKWY NE AND ARE EQUAL TO PROFILE GRADE.

LEGEND:

- Ω — BEAM GUARDRAIL CONNECTION TYPE "D" STD. PLAN C24.10-01
- ξ — BEAM GUARDRAIL CONNECTION TYPE "F" STD. PLAN C24.10-01
- β — (2) 2" CONDUITS IN TRAFFIC BARRIER FOR FULL LENGTH OF BARRIER (TYP.)
- NEMA 4X OR NEMA 3R JUNCTION BOX
- JUNCTION BOX TYPE 2
- GUARDRAIL
- A / WL-100 — IDENTIFIES SECTION OR VIEW; TAKEN OR SHOWN ON THE WALL SHEET WL-100
- 1 / - — IDENTIFIES DETAIL; DASH INDICATES SECTION, VIEW OR DETAIL IS TAKEN AND SHOWN ON THE SAME SHEET
- BORE HOLES (EXIST, NEW)
- SS — SEWER
- WL — WATER
- T — T — OVERHEAD TELEPHONE
- OHP — OVERHEAD POWER
- SD — STORM DRAIN
- G — G — GAS PIPELINE
- UNDERDRAIN PIPE
- RIGHT OF WAY
- C — C — CUT LINE
- TEMPORARY SHORING

ELSP NE LINE DATA

LABEL	START STATION	LENGTH	LINE/CHORD DIRECTION	START NORTHING	START EASTING
2	103+18.00	200.00	N06° 57' 15.75"E	226816.26	1335940.24

Conformed Set

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

BRIDGE LAYOUT FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

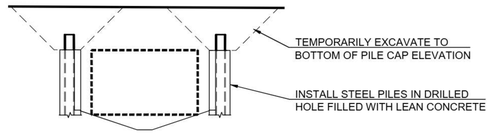
NIMA AIA OF WASHINGTON — 60405 REGISTERED PROFESSIONAL ENGINEER — 02/16/2026

DESIGNED: MZ
CHECKED: NA
NOVEMBER 2025
45015-004

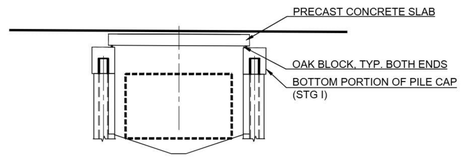
SHEET ID
BR-502
SHEET 78 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CADWorking\Sheets\BR-502 BRIDGE LAYOUT.dwg Layout Tab: BRIDGE LAYOUT User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:47:54 PM

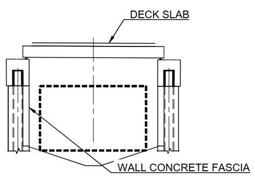
Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.



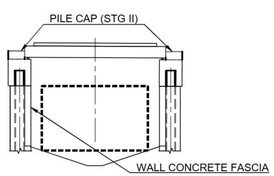
STAGE 1 - INSTALL FOUNDATION PILES
SCALE: NTS



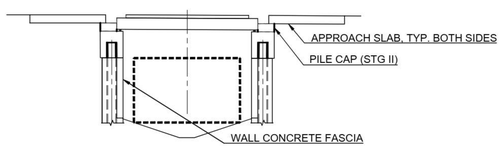
STAGE 2 - COMPLETE EXCAVATION PER GRADING PLANS, CAST BOTTOM PORTION OF PILE CAPS, SET SLAB GIRDERS IN PLACE
SCALE: NTS



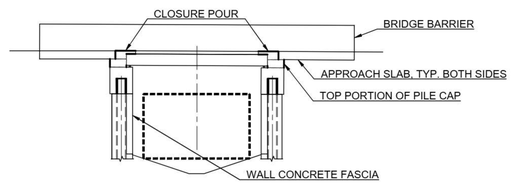
3.1 CAST DECK SLAB
ON TOP OF GIRDER



3.2 CAST PILE CAP STG II BELOW
THE APPROACH SLAB



3.3 CAST APPROACH SLAB



3.4 CAST CLOSURE POUR
AND TRAFFIC BARRIERS

STAGE 3 - COMPLETE SUPERSTRUCTURE, APPROACH, AND BARRIER
SCALE: NTS

NOTES:

1. PILE CAP ABOVE BOTTOM PORTION MAY BE PLACED ONCE CONCRETE IN THE BOTTOM PORTION HAS ACHIEVED A MINIMUM OF 3000 PSI STRENGTH.
2. CONSTRUCTION STAGING SHALL BE COORDINATED WITH MOT.
3. FOR BOTH CONSTRUCTION STAGES 2.2 AND 2.3, INSTALL TEMPORARY BRACING FOR GIRDER ERECTION IN ACCORDANCE WITH STD. SPECIFICATION 6-02.3(17)F4. (1)

Conformed Set

No.	Revision	Date	By	App'd
1	GIRDER BRACING NOTE	3/11/26	MZ	NA

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

CONSTRUCTION SEQUENCE FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

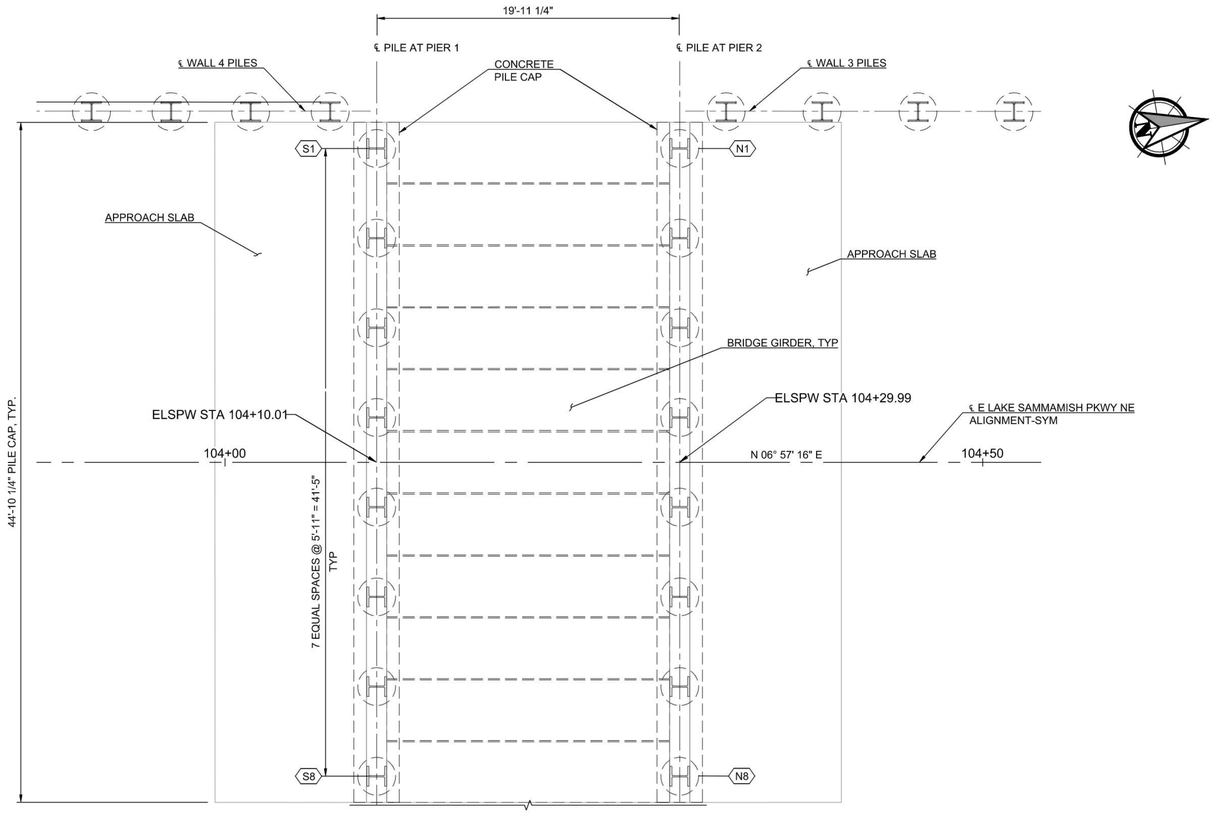
NIMA AIA OF WASH.
60405 REGISTERED PROFESSIONAL ENGINEER
03/11/2026

DESIGNED: MZ
CHECKED: NA
NOVEMBER 2025
45015-004

SHEET ID
BR-503
SHEET 79 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\BR-503 CONSTRUCTION SEQUENCE.dwg Layout Tab: CONSTRUCTION SEQUENCE User: Michaela Zaro CAD Plot Date/Time: 3/10/2026 2:41:36 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.



FOUNDATION LAYOUT

SCALE: 1" = 5'

BEARING OF PIER 1 N 83° 02' 44" W
BEARING OF PIER 2 N 83° 02' 44" W

PILE SCHEDULE					
PILE NO.	PILE SIZE	NORTHING	EASTING	STATION	OFFSET
N1	W14x176	226,929.9522'	1,335,933.2432'	104+29.99	-20.71'LT
N2	W14x176	226,929.2358'	1,335,939.1163'	104+29.99	-14.79'LT
N3	W14x176	226,928.5194'	1,335,944.9895'	104+29.99	-8.88'LT
N4	W14x176	226,927.8031'	1,335,950.8626'	104+29.99	-2.96'LT
N5	W14x176	226,927.0867'	1,335,956.7357'	104+29.99	2.96'RT
N6	W14x176	226,926.3703'	1,335,962.6089'	104+29.99	8.88'RT
N7	W14x176	226,925.6539'	1,335,968.4820'	104+29.99	14.79'RT
N8	W14x176	226,924.9375'	1,335,974.3551'	104+29.99	20.70'RT
S1	W14x176	226,910.0995'	1,335,930.8216'	104+10.01	-20.70'LT
S2	W14x176	226,909.3831'	1,335,936.6948'	104+10.01	-14.79'LT
S3	W14x176	226,908.6667'	1,335,942.5679'	104+10.01	-8.88'LT
S4	W14x176	226,907.9504'	1,335,948.4410'	104+10.01	-2.96'LT
S5	W14x176	226,907.2340'	1,335,954.3142'	104+10.01	2.96'RT
S6	W14x176	226,906.5176'	1,335,960.1873'	104+10.01	8.88'RT
S7	W14x176	226,905.8012'	1,335,966.0605'	104+10.01	14.79'RT
S8	W14x176	226,905.0848'	1,335,971.9336'	104+10.01	20.71'RT

NOTES:
1. BRIDGE ABUTMENT SHAFT INSTALLATION TOLERANCE SHALL NOT EXCEED 3 INCHES, IN LIEU OF THE TOLERANCE SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. COORDINATES ARE AT CENTER OF PILES
3. FOR PILE LENGTH SEE BR-507.

Conformed Set

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

FOUNDATION AND ABUTMENT LAYOUT FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

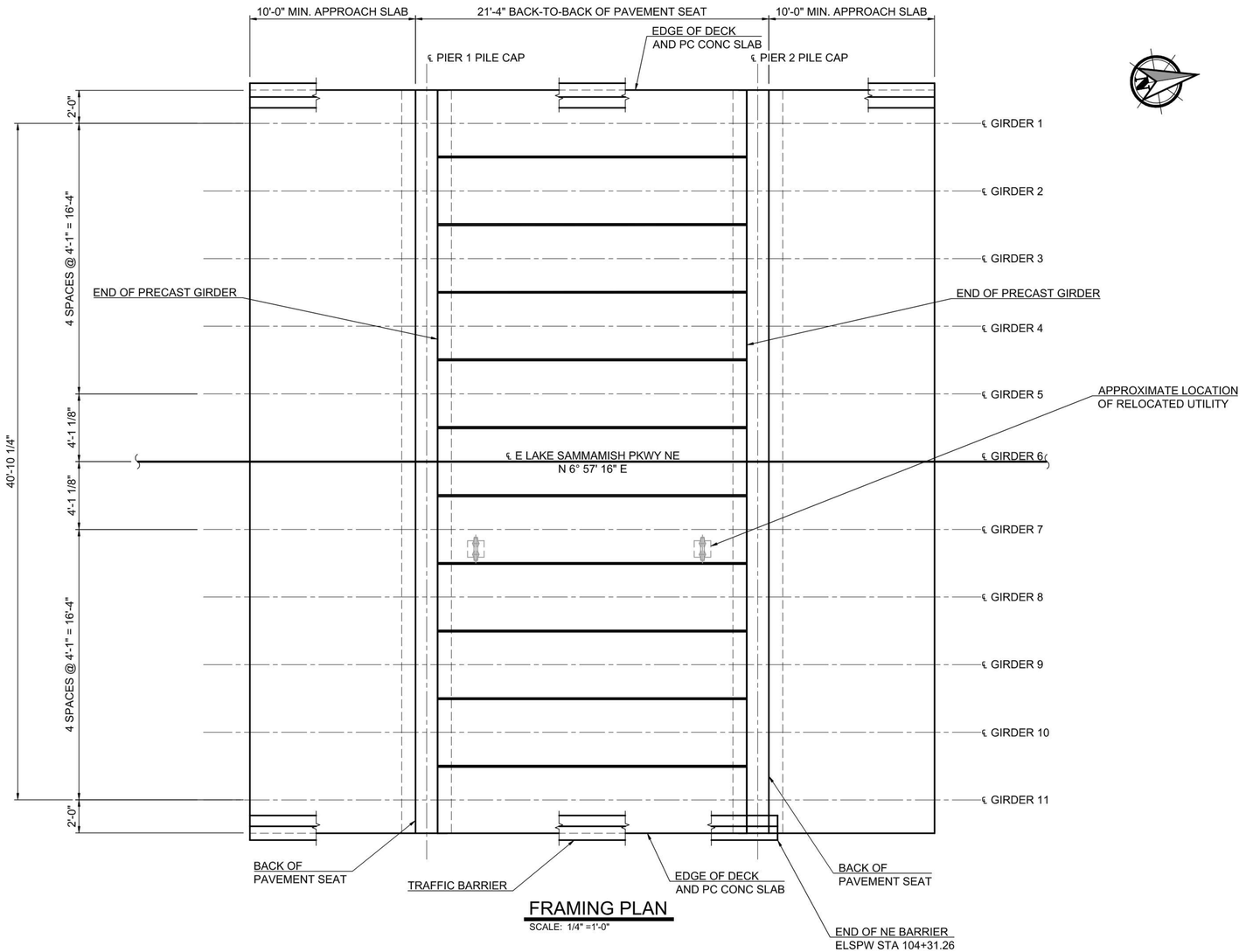
Know what's below. Call before you dig.

NIMA ALA
STATE OF WASHINGTON
20405
REGISTERED
PROFESSIONAL ENGINEER
02/16/2026

DESIGNED:	MZ
CHECKED:	NA
NOVEMBER 2025	45015-004
SHEET ID	BR-504
SHEET	80 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\BR-504 FOUNDATION AND ABUTMENT LAYOUT.dwg Layout Tab: FOUNDATION AND ABUTMENT LAYOUT User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:48:43 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.



FRAMING PLAN

SCALE: 1/4" =1'-0"

NOTES:

1. SLAB WIDTH IS 4'-0".
2. GAPS BETWEEN SLABS SHALL BE FILLED WITH COMPRESSIBLE MATERIAL TO FORM THE CIP TOPPING.

Conformed Set

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\BR-505-BR-508 FRAMING PLAN, ABUTMENT AND PILE DETAILS.dwg Layout Tab: FRAMING PLAN User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:49:00 PM

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

FRAMING PLAN FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

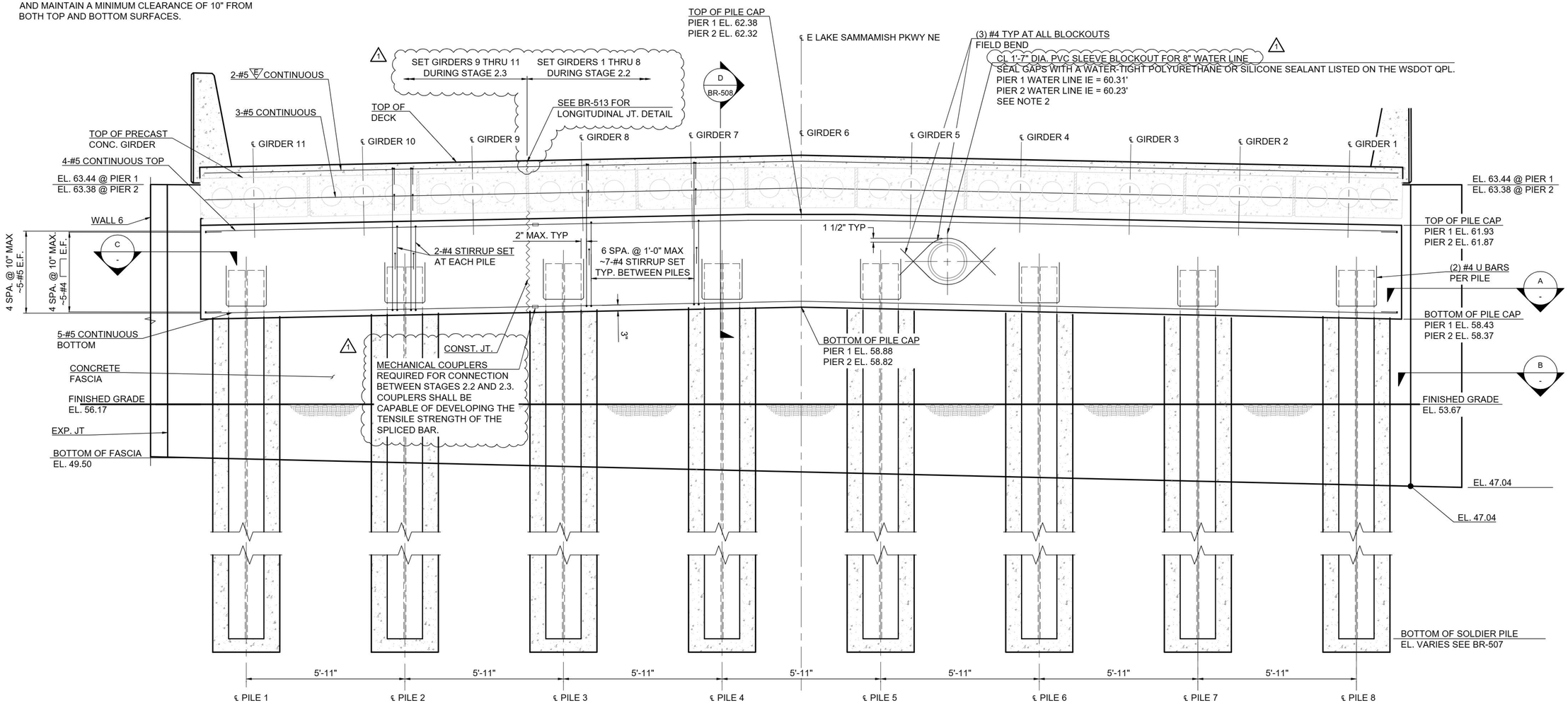
NSPE-AEA OF WASHINGTON
50405
REGISTERED PROFESSIONAL ENGINEER
02/16/2026

DESIGNED: MZ
CHECKED: NA
NOVEMBER 2025
45015-004

SHEET ID
BR-505
SHEET 81 OF 108

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA

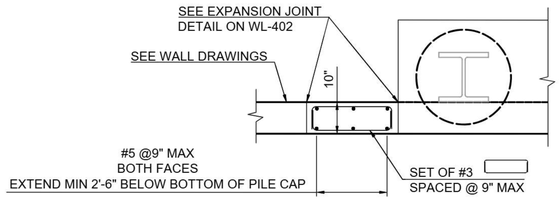
NOTES:
1. SEE WL-401 FOR CONCRETE FASCIA REINFORCING NOT SHOWN ON THIS DRAWING.
2. BLOCKOUT SHALL BE FULLY WITHIN THE PILE CAP AND MAINTAIN A MINIMUM CLEARANCE OF 10" FROM BOTH TOP AND BOTTOM SURFACES.



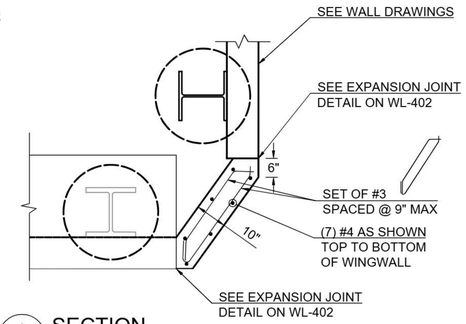
PILE CAP / ABUTMENT ELEVATION

SCALE: 1/2" = 1'-0"
PIER 1 SHOWN, PIER 2 SIMILAR

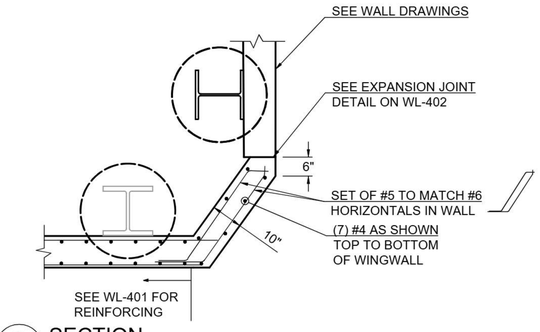
ELEVATION AT TOP OF OAK BLOCK		
GIRDER	PIER 1	PIER 2
1	62.23	62.17
2	62.31	62.25
3	62.39	62.33
4	62.47	62.41
5	62.55	62.49
6	62.63	62.57
7	62.55	62.49
8	62.47	62.41
9	62.39	62.33
10	62.31	62.25
11	62.23	62.17



C SECTION
USE DETAIL ABOVE THE BOTTOM OF PILE CAP.



A SECTION
USE DETAIL BELOW THE BOTTOM OF PILE CAP.



B SECTION
USE DETAIL ABOVE THE BOTTOM OF PILE CAP.

Conformed Set

No.	Revision	Date	By	App'd
1	REVISE BLOCKOUT DIA. FOR 18" CASING	3/11/26	MZ	NA
1	ADD CONST. JT. AND CLARIFY STAGING	3/11/26	MZ	NA

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

ABUTMENT ELEVATION AND DETAILS FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

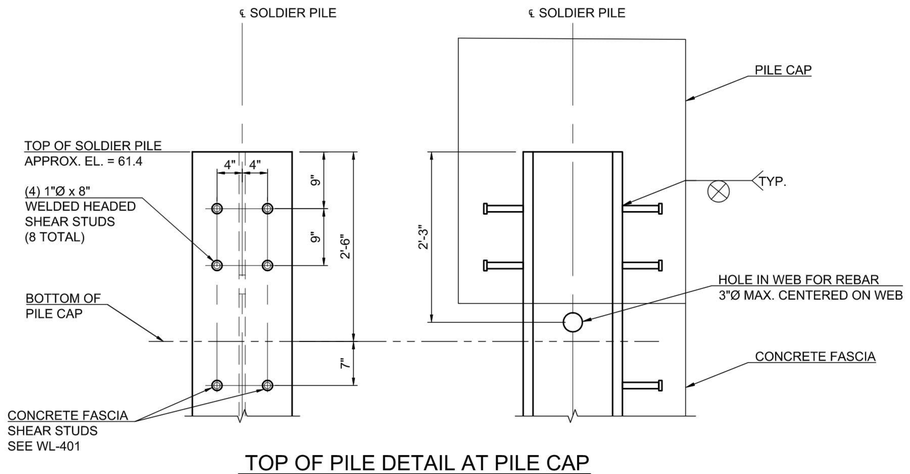
PIMA A.L.A. OF WASHINGTON
No. 36405 REGISTERED PROFESSIONAL ENGINEER
03/11/2026

DESIGNED: MZ
CHECKED: NA
NOVEMBER 2025
45015-004

SHEET ID
BR-506
SHEET 82 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\BR-505-BR-508 FRAMING PLAN, ABUTMENT AND PILE DETAILS.dwg Layout Tab: ABUTMENT ELEVATION AND DETAILS User: Michaela Zaro CAD Plot Date/Time: 3/11/2026 1:44:08 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.



TOP OF PILE DETAIL AT PILE CAP

CONCRETE FASCIA SHEAR STUDS SHALL END 6" ABOVE BOTTOM OF WALL
SCALE: 1" = 1'-0"

NOTES:

1. SHAFTS SHALL EXTEND DOWN TO AT LEAST 44 FEET BELOW THE EXISTING ROADWAY PAVEMENT TO APPROXIMATE TIP ELEVATION 20 AND SOCKET THE TIP IN THE HARD PRE-FRASER DEPOSITS ENCOUNTERED IN GEOTECHNICAL BORINGS AMW-02 AND AB-02 ALONG ELSPW AT BRIDGE LOCATION.
2. PILE SPLICING SHALL BE PER WSDOT STANDARD SPECIFICATIONS 6-05.3(6).
3. SEE WL-401 AND WL-402 FOR MISCELLANEOUS SOLDIER PILE DETAILS.

Conformed Set

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

PILE DETAILS FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

NIMA ALI — STATE OF WASHINGTON — 30405 — REGISTERED PROFESSIONAL ENGINEER
02/16/2026

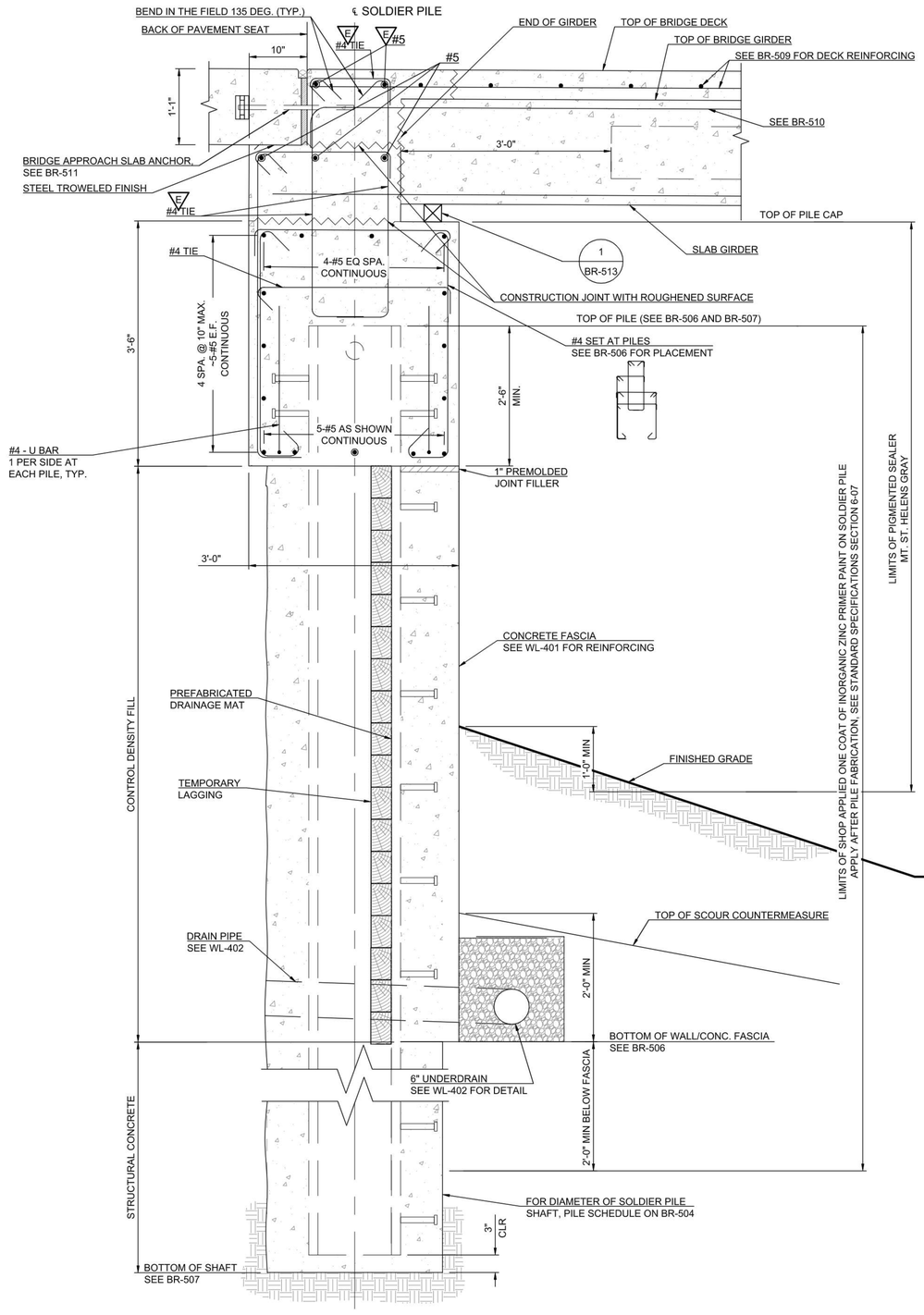
DESIGNED:	MZ
CHECKED:	NA
NOVEMBER 2025	45015-004
SHEET ID	BR-507
SHEET	83 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\WorkingSheets\BR-505-BR-508 FRAMING PLAN, ABUTMENT AND PILE DETAILS.dwg Layout Tab: PILE DETAILS User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:49:06 PM

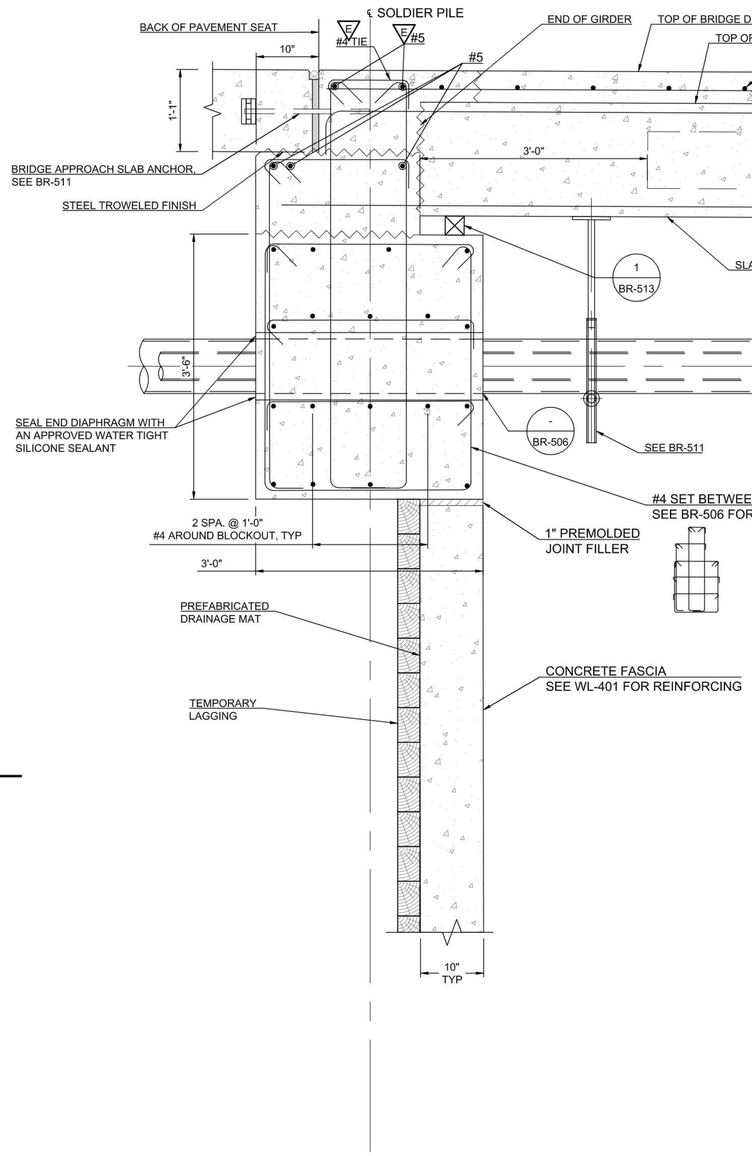
Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

NOTES:

1. ALTERNATE 135 END HOOKS AT EVERY OTHER TIE THROUGHOUT.



AT PILES



BETWEEN PILES

DETAILS NOT SHOWN ARE SIMILAR TO SECTION AT PILE.

D
BR-506
TYPICAL SECTION - ABUTMENT

Conformed Set

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

TYPICAL SECTION - ABUTMENT FOR: GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT

SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

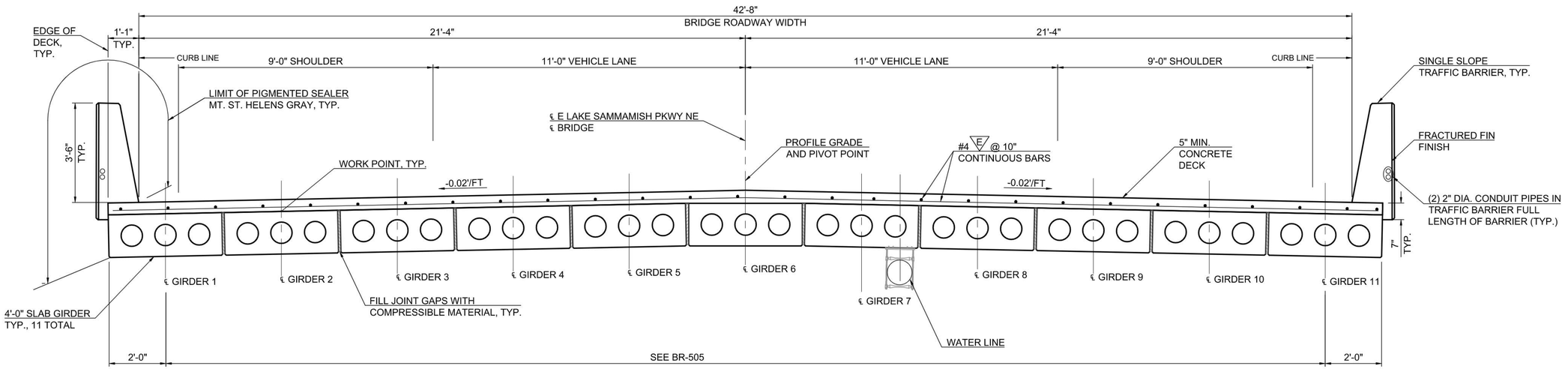
NATHAN A. ZIMMERMAN
STATE OF WASHINGTON
50405
REGISTERED PROFESSIONAL ENGINEER
02/16/2026

DESIGNED: MZ
CHECKED: NA
NOVEMBER 2025
45015-004

SHEET ID
BR-508
SHEET 84 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\WorkingSheets\BR-509 TYPICAL SECTION - ABUTMENT.dwg Layout Tab: TYPICAL SECTION - ABUTMENT User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:49:21 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.



TYPICAL SECTION - BRIDGE

SCALE: 1/2" = 1'-0" SHOWN NEAR MIDSPAN

NOTES:
1. SEE DRAWING BR-511 FOR UTILITIES BRACING.

Conformed Set

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\BR-510 TYPICAL SECTION.dwg Layout Tab: TYPICAL SECTION - BRIDGE User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:49:36 PM

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

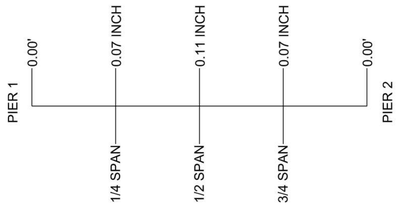
APEX®

TYPICAL SECTION - BRIDGE FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

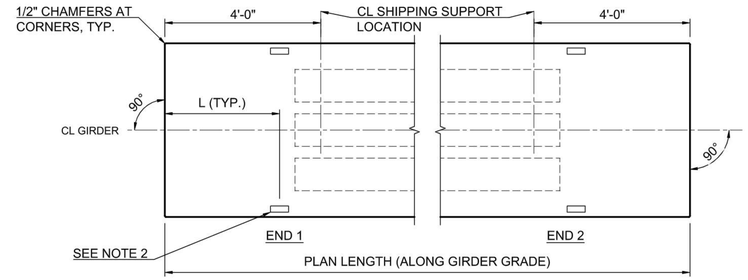
NIMA AIA OF WASH. 60405 REGISTERED PROFESSIONAL ENGINEER 02/16/2026

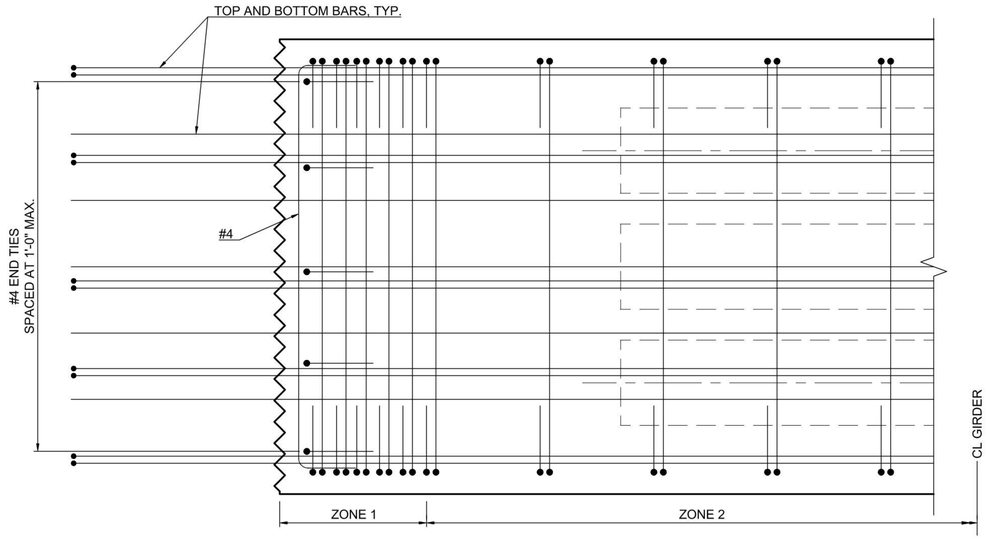
DESIGNED:	MZ
CHECKED:	NA
NOVEMBER 2025	45015-004
SHEET ID	BR-509
SHEET	85 OF 108



CAMBER DIAGRAM

DOES NOT INCLUDE ALLOWANCE FOR FALSEWORK SETTLEMENT

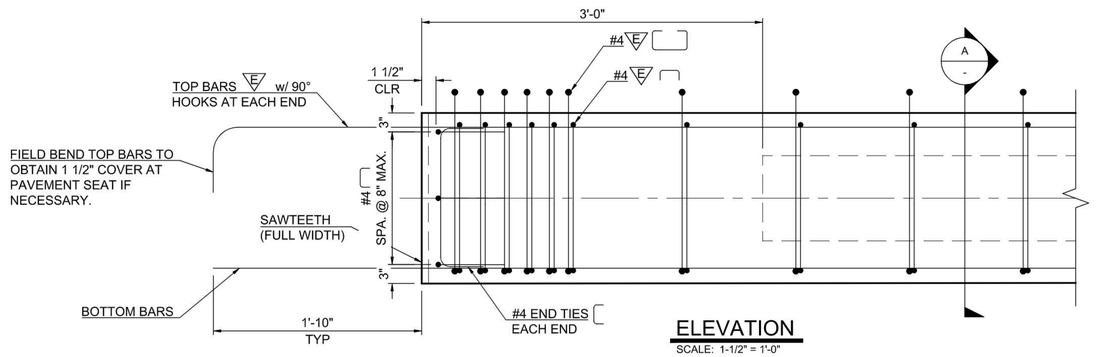




PLAN

SCALE: 1-1/2" = 1'-0"

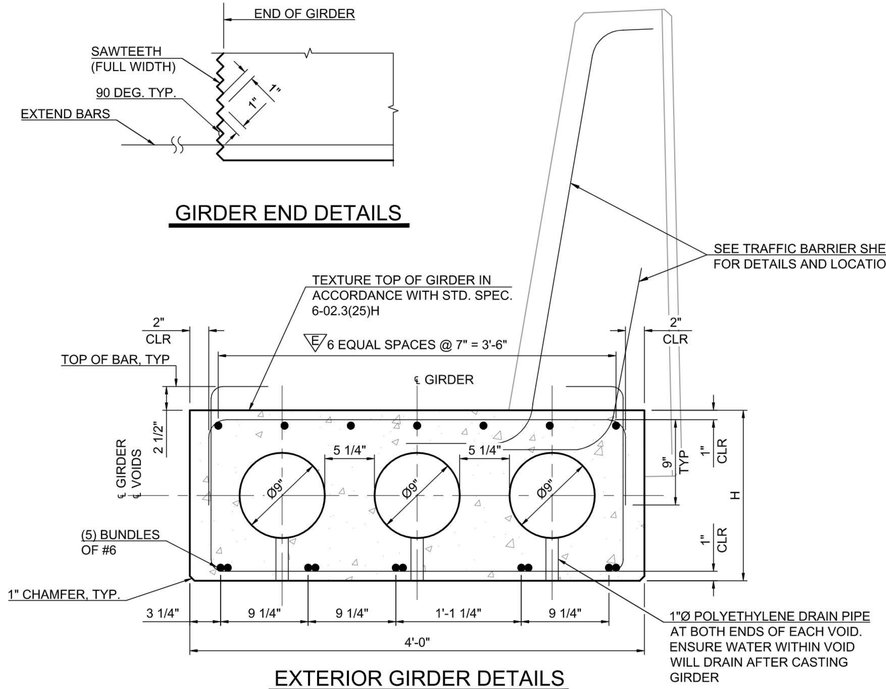
NOTE: TRAFFIC BARRIER BARS NOT SHOWN FOR CLARITY. SEE TRAFFIC BARRIER SHEETS FOR DETAILS AND LOCATIONS. OTHER END SIMILAR. STRANDS NOT SHOWN.



ELEVATION

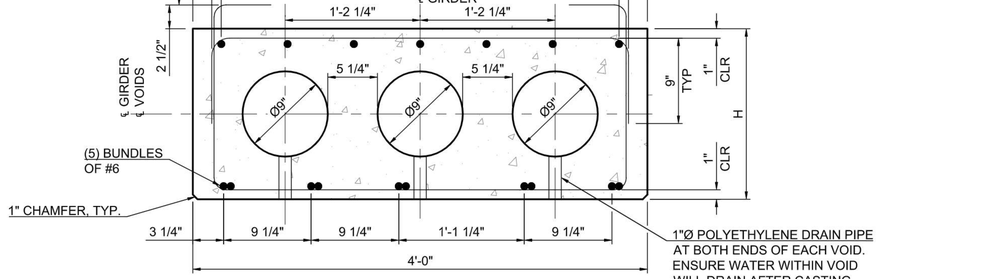
SCALE: 1-1/2" = 1'-0"

GIRDER END DETAILS



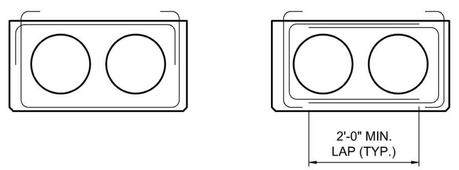
EXTERIOR GIRDER DETAILS

SCALE: 1-1/2" = 1'-0"
RIGHT GIRDER SHOWN, LEFT SIMILAR



A - SECTION

SCALE: 1-1/2" = 1'-0"



TRANSVERSE REINFORCEMENT OPTIONS

GIRDER SCHEDULE

SPAN	GIRDER	GIRDER HEIGHT H	GIRDER WIDTH W	PLAN LENGTH (ALONG GIRDER GRADE)	VOIDS		MIN. CONC. COMP. STRENGTH	TRANSVERSE REINFORCEMENT									LONGITUDINAL REINFORCEMENT			
								ZONE 1			ZONE 2			ZONE 3			TOP BARS		BOTTOM BARS	
					NUMBER	DIAMETER	@ 28-DAYS F'C (KSI)	BAR SIZE	SPACING	LENGTH	BAR SIZE	SPACING	LENGTH	BAR SIZE	SPACING	LENGTH	BAR SIZE	NO. OF BARS	BAR SIZE	NO. OF BARS
1	ALL	1'-6"	4'-0"	18'-8"	3	0'-9"	4.0	#4	0'-4"	2'-10"	#4	8"	-	-	-	-	#6	7	#6	5 BUNDLES (10 TOTAL)

NOTES:

1. GIRDER CONCRETE SHALL BE CLASS 4000.
2. INSTALL LIFTING EMBEDMENTS IN ACCORDANCE WITH WSDOT STD. SPEC. 6-02.3(25)L. REMOVE TO TOP OF GIRDER AFTER ERECTION.

Conformed Set

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

PRECAST SLAB GIRDER DETAIL FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

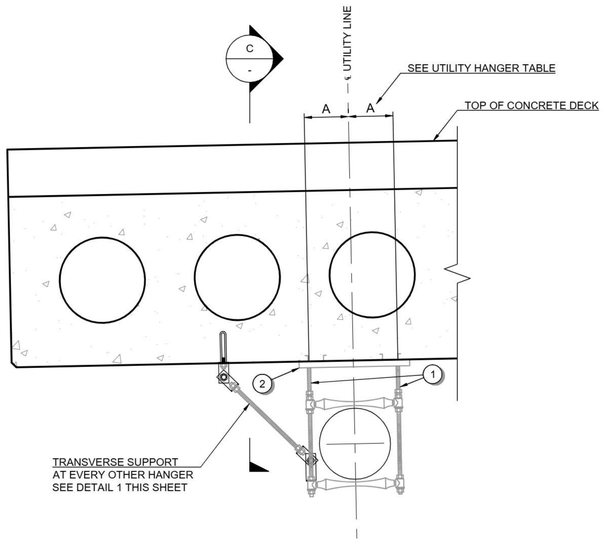
NIMA ALI — STATE OF WASHINGTON — 30465 — REGISTERED PROFESSIONAL ENGINEER — 02/16/2026

DESIGNED: MZ
CHECKED: NA
NOVEMBER 2025
45015-004

SHEET ID
BR-510
SHEET 86 OF 108

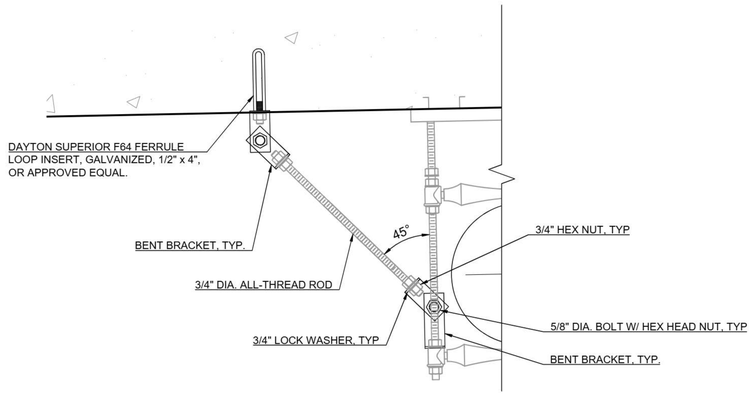
Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\BR-511-BR-512 SLAB AND PILE CAP REINFORCEMENT.dwg Layout Tab: PRECAST SLAB GIRDER DETAIL User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:49:57 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.



HANGER UTILITY SUPPORT

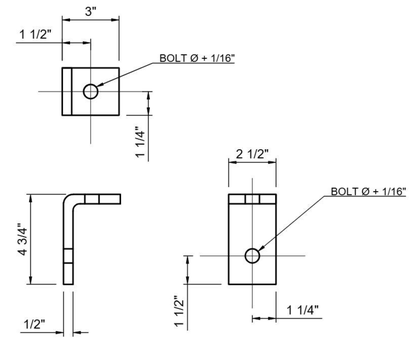
SEE NOTE 3



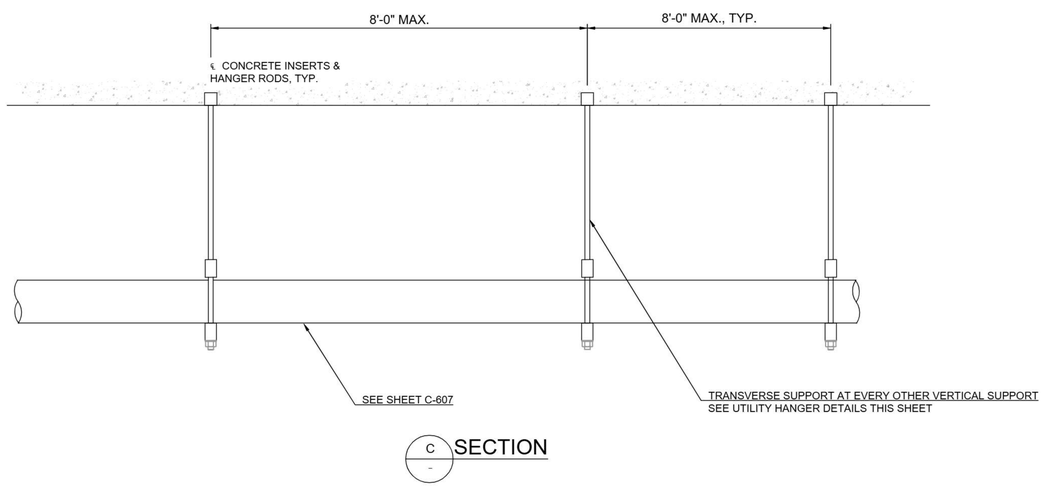
1 DETAIL

UTILITY HANGER TABLE	
UTILITY	A (INCH)
8" WATER MAIN	10

1



2 BENT BRACKET DETAIL



C SECTION

NOTES:

1. ALL MATERIALS SHALL BE GALVANIZED AFTER FABRICATION PER AASHTO M 111 OR AASHTO M 232 EXCEPT PIPE ROLLERS.
2. PAINT ROLLERS WITH THREE COATS OF GALVANIZING REPAIR PAINT. SEE STD. SPEC. SECTION 9-08.1(2)B.
3. MINIMUM BRIDGE LOW CHORD ELEVATION IS 58.63 FT (NAVD88). NO UTILITIES OR RELATED SUPPORT FIXTURES SHALL BE INSTALLED BELOW THIS ELEVATION.

(1) "X" DIA. GALV. HANGER RODS WITH 6 HEX HEAD NUTS, STD. WASHERS, AND LOCK WASHERS. "X" DETERMINED FROM MANUFACTURER

(2) COOPER B-LINE B22-I-30, POWERSTRUT PS 349, OR UNISTRUT P32, WITH SPRING NUT (TYP.). CHASE THREADS ON HANGER ROD FOR THREAD COMPATIBILITY WITH SPRING NUT. INSERT TO BE INSTALLED LEVEL LONGITUDINALLY AND TRANSVERSELY. PLACE INSERT TO PROVIDE FOR TRANSVERSE ADJUSTMENT OF HANGER RODS. HANGER RODS SHALL NOT BE WITHIN 2" OF THE END OF THE INSERT. TWO INSERTS MAYBE USED TO ACCOMMODATE SUPERELEVATION.

Conformed Set

No.	Revision	Date	By	App'd
1	"A" DIMENSION REVISED FOR 18" CASING	3/11/26	MZ	NA

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

BRIDGE UTILITY HANGER DETAIL FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

Know what's below. Call before you dig.

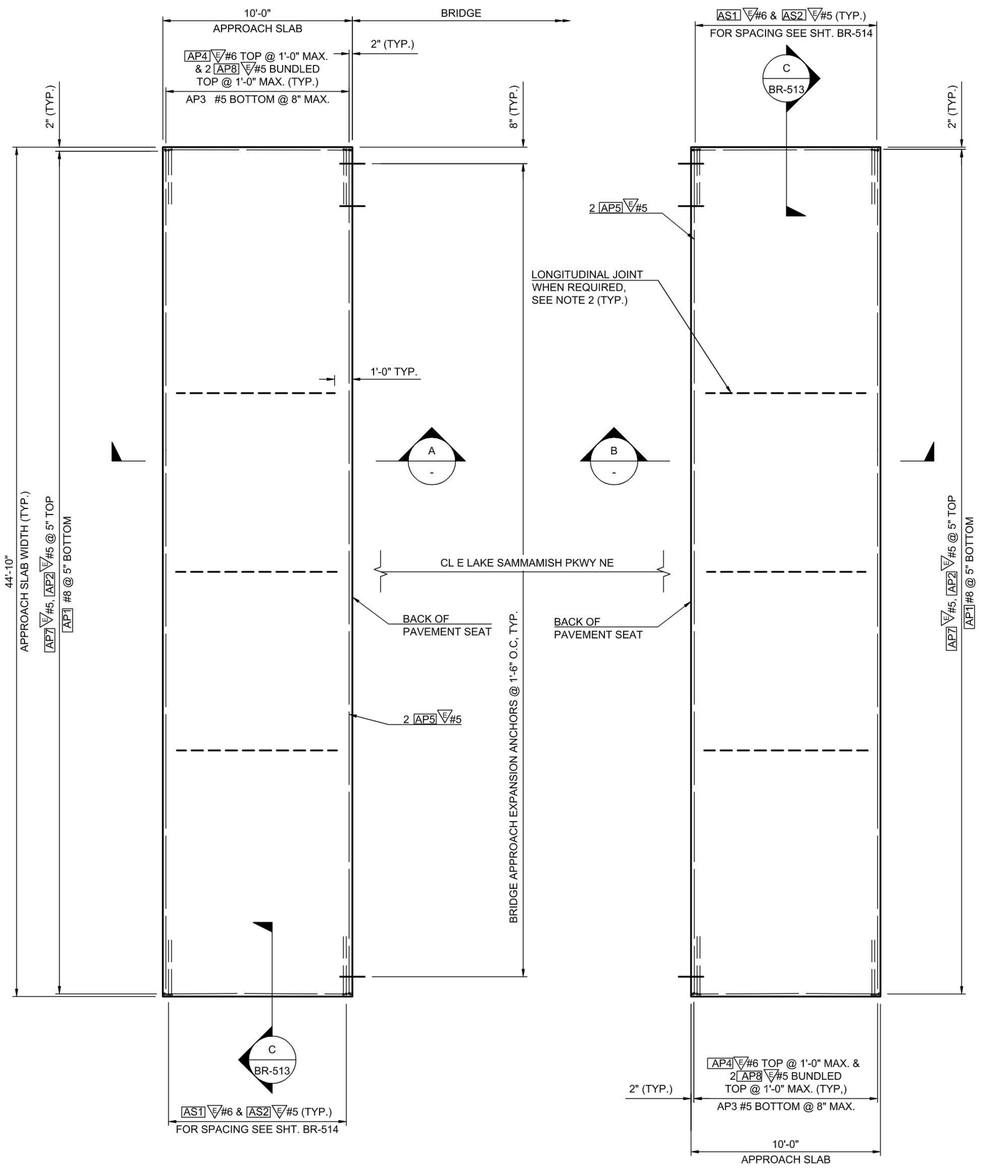


DESIGNED: MZ
CHECKED: NA
NOVEMBER 2025
45015-004

SHEET ID
BR-511
SHEET 87 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\BR-511-BR-512 SLAB AND PILE CAP REINFORCEMENT.dwg Layout Tab: BRIDGE UTILITY HANGER DETAIL User: Michaela Zaro CAD Plot Date/Time: 3/10/2026 2:42:14 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

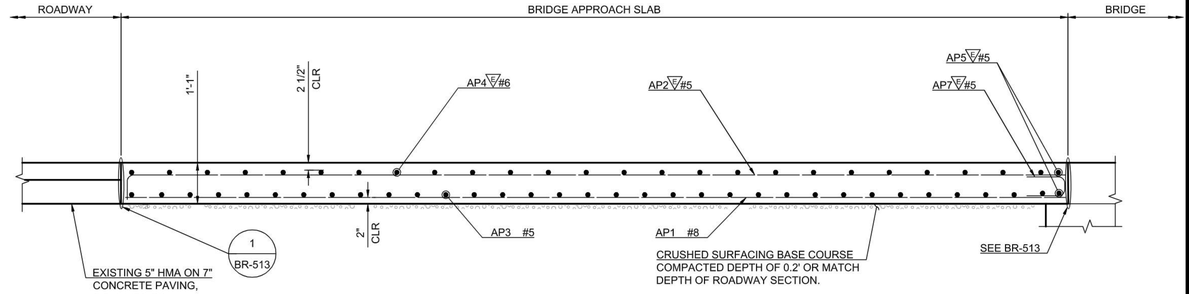


APPROACH SLAB PLAN
PIER 1
SCALE: 1" = 4'-0"

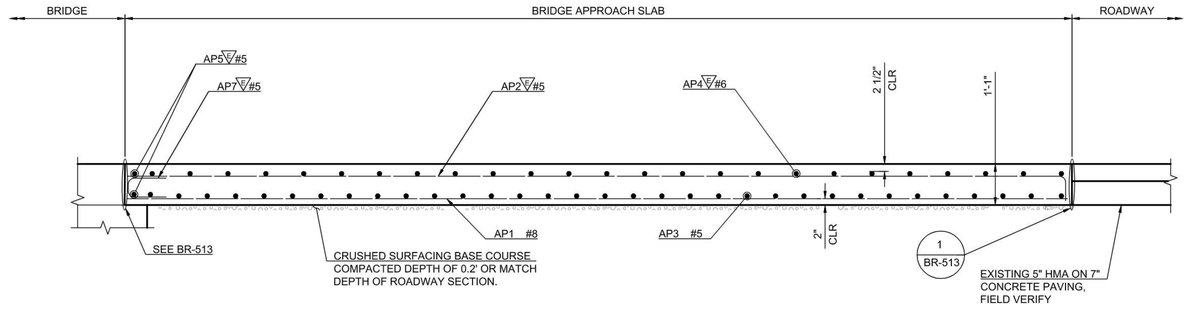
APPROACH SLAB PLAN
PIER 2
SCALE: 1" = 4'-0"

NOTES:

1. ALL EDGES OF BRIDGE APPROACH SLAB SHALL HAVE ½" RADIUS EXCEPT AT LONGITUDINAL JOINTS AND ADJACENT TO L-TYPE ABUTMENTS.
2. LONGITUDINAL JOINTS SHALL BE PLACED ON LANE LINES AND SHALL BE CONSTRUCTED AND SEALED IN ACCORDANCE WITH WSDOT STD. SPEC. SECTION 5-05.3(8). JOINTS MAY BE EITHER A SAWCUT CRACK CONTROL JOINT OR A CONSTRUCTION JOINT. SAWCUT JOINTS SHALL TERMINATE 1'-0" BEFORE REACHING EDGE OF SLAB AND MUST BE SAW CUT AS SOON AS THE CONCRETE HAS HARDENED SUFFICIENTLY TO SUPPORT THE SAW WITHOUT CAUSING RAVELING AFTER PLACEMENT OF CONCRETE. SEE "LONGITUDINAL JOINT DETAIL" ON SHEET BR-513.
3. THE MINIMUM LAP SPLICE OF #5 IS 2'-0", E #5 IS 2'-6", E #6 IS 3'-0", AND #8 IS 3'-3". ALL LAP SPLICES SHALL BE STAGGERED SO THAT NO MORE THAN 50% OF REBAR IS SPLICED AT THE SAME LOCATION. LAP SPLICES SHALL BE LOCATED WITHIN THE MIDDLE HALF OF THE BRIDGE APPROACH SLAB. OPTIONAL SPLICES ARE ALLOWED FOR AP4 E #6.
4. FOR TRAFFIC BARRIER DETAILS, INCLUDING ANY BRIDGE APPROACH SLAB BLOCKOUT INFORMATION, SEE TRAFFIC BARRIER SHEETS.
5. FOR BENDING DIAGRAM, SEE SHEET BR-513.



A - SECTION
NTS



B - SECTION
NTS

Conformed Set

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

APPROACH SLAB DETAILS - 1 OF 2 FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

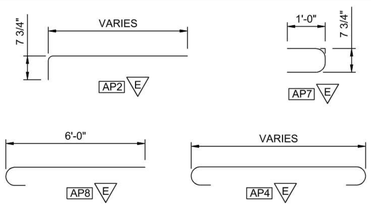
NAMA AIA OF WASH.
50405 REGISTERED PROFESSIONAL ENGINEER
02/16/2026

DESIGNED: MZ
CHECKED: NA
NOVEMBER 2025
45015-004

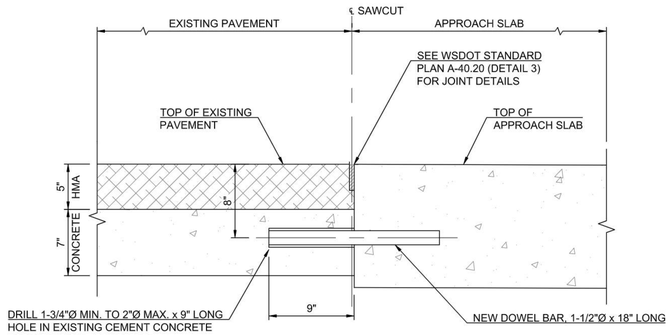
SHEET ID
BR-512
SHEET 88 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\BR-513 APPROACH SLAB DETAILS.dwg Layout Tab: APPROACH SLAB DETAILS - 1 OF 2 User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:50:20 PM
Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

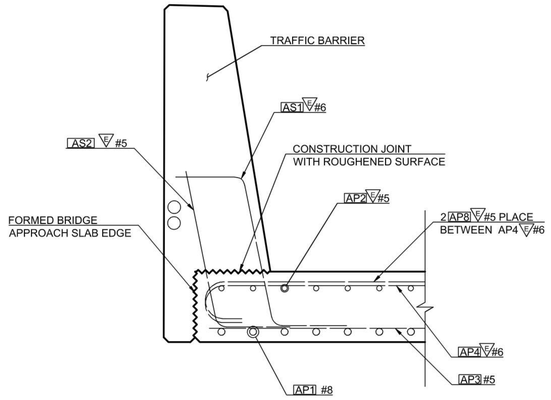
BENDING DIAGRAM



E = EPOXY COATED REINFORCING STEEL
NOTE: ALL DIMENSIONS ARE OUT TO OUT

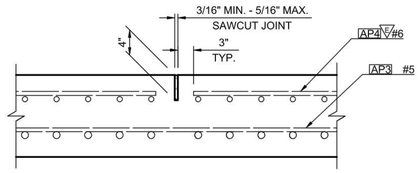


1 / BR-512 APPROACH SLAB - EXISTING PAVING JOINT DETAIL
SCALE: 1-1/2" = 1'-0"

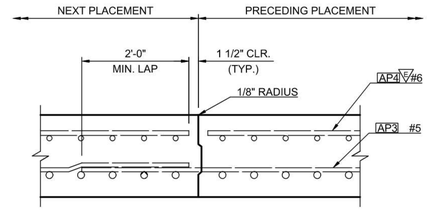


C / BR-512 SECTION

BARRIER REINFORCING NOT SHOWN FOR CLARITY

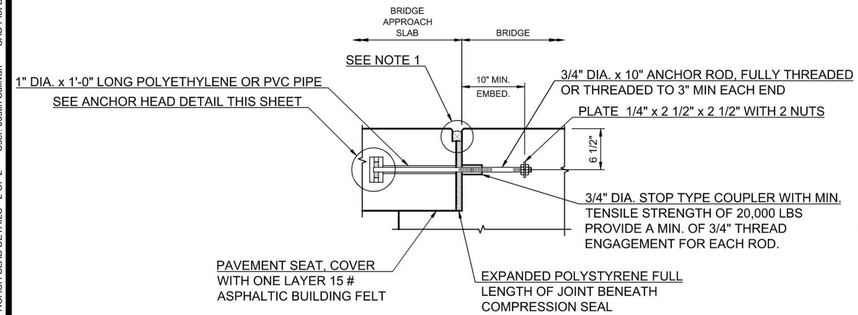


LONGITUDINAL JOINT DETAIL



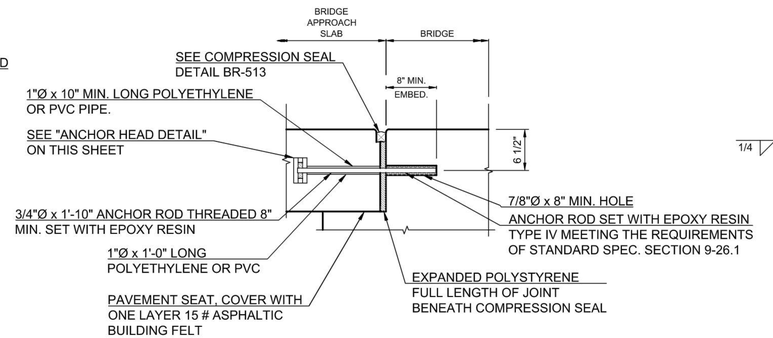
ALTERNATE LONGITUDINAL JOINT DETAIL

EDGE PRECEDING PLACEMENT ONLY WITH 1/8" RADIUS



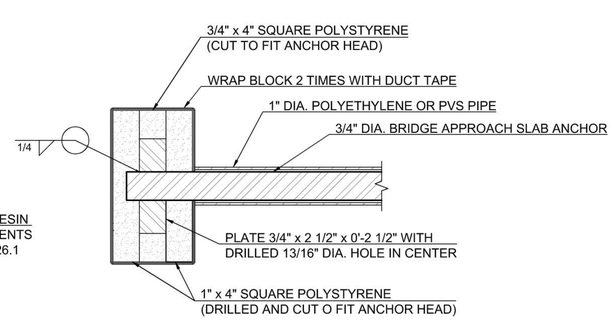
APPROACH EXPANSION ANCHOR - METHOD A

SCALE: NTS



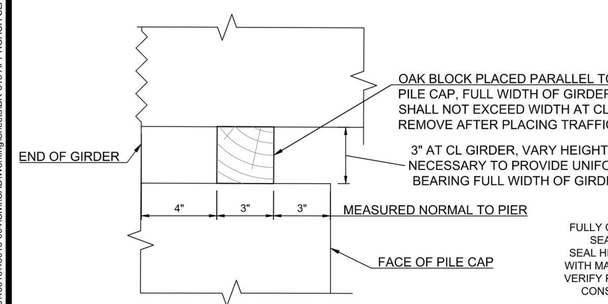
APPROACH EXPANSION ANCHOR - METHOD B

SCALE: NTS

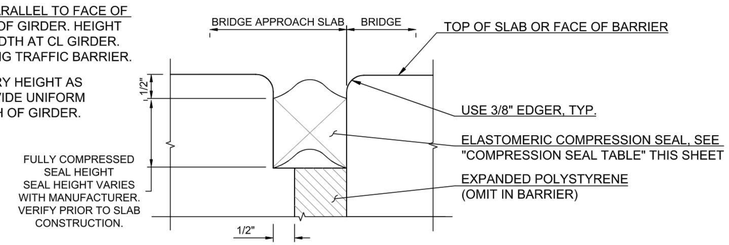


ANCHOR HEAD DETAIL

SCALE: NTS

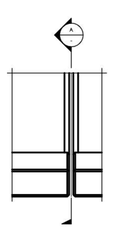


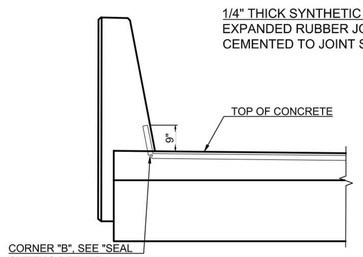
1 / BR-508 OAK BLOCK DETAIL
SCALE: 3" = 1'-0"

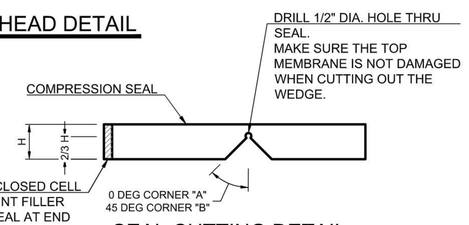


COMPRESSION SEAL DETAIL

SCALE: NTS







SEAL CUTTING DETAIL

SCALE: NTS

COMPRESSION SEAL TABLE

D.S. BROWN		WATSON BOWMAN ACME	
SEAL	WIDTH	SEAL	WIDTH
CV-2502	2 1/2"	WA-250	2 1/2"

TESTING SHALL BE PER ASTM D2628 PRIOR TO USE.

NOTES:

1. USE WSDOT STANDARD PLAN A-40.50-03 FOR EXPANSION JOINT, COMPRESSION SEAL, AND SEAL CUTTING DETAILS.

Conformed Set

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

APPROACH SLAB DETAILS - 2 OF 2 FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

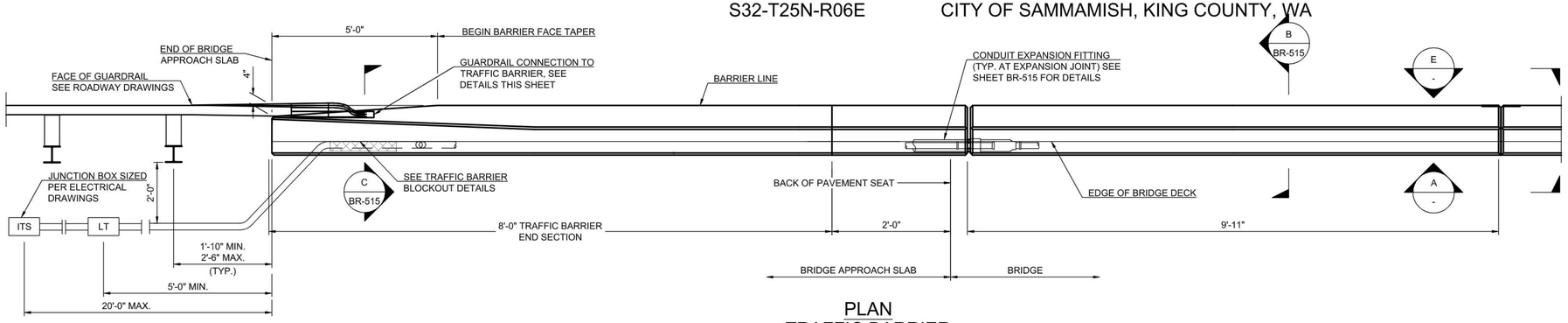
NMA ALA
STATE OF WASHINGTON
50405
REGISTERED PROFESSIONAL ENGINEER
02/16/2026

DESIGNED: MZ
CHECKED: NA
NOVEMBER 2025
45015-004

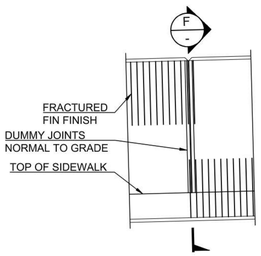
SHEET ID
BR-513
SHEET 89 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\BR-513 APPROACH SLAB DETAILS.dwg Layout Tab: APPROACH SLAB DETAILS - 2 OF 2 User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:50:32 PM

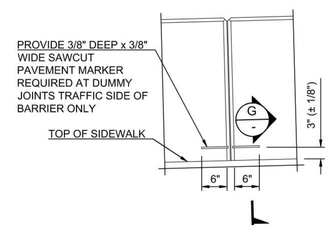
Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.



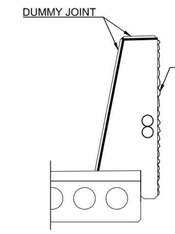
PLAN TRAFFIC BARRIER



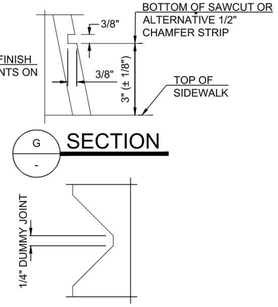
A - VIEW



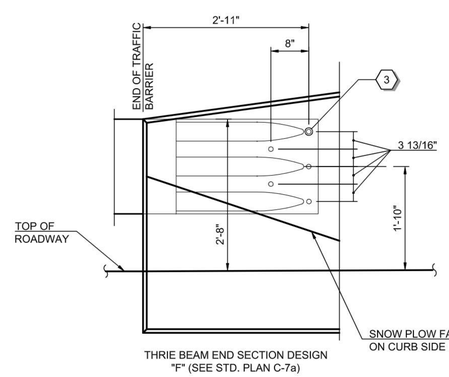
E - VIEW



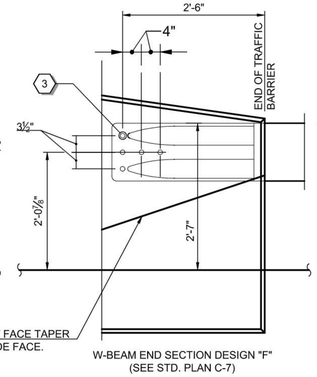
F - SECTION



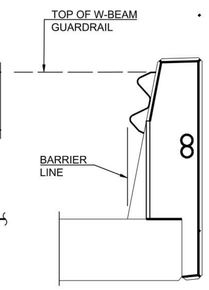
DUMMY JOINT DETAIL



THRIE BEAM END SECTION DESIGN "F" (SEE STD. PLAN C-7a)



W-BEAM END SECTION DESIGN "F" (SEE STD. PLAN C-7)

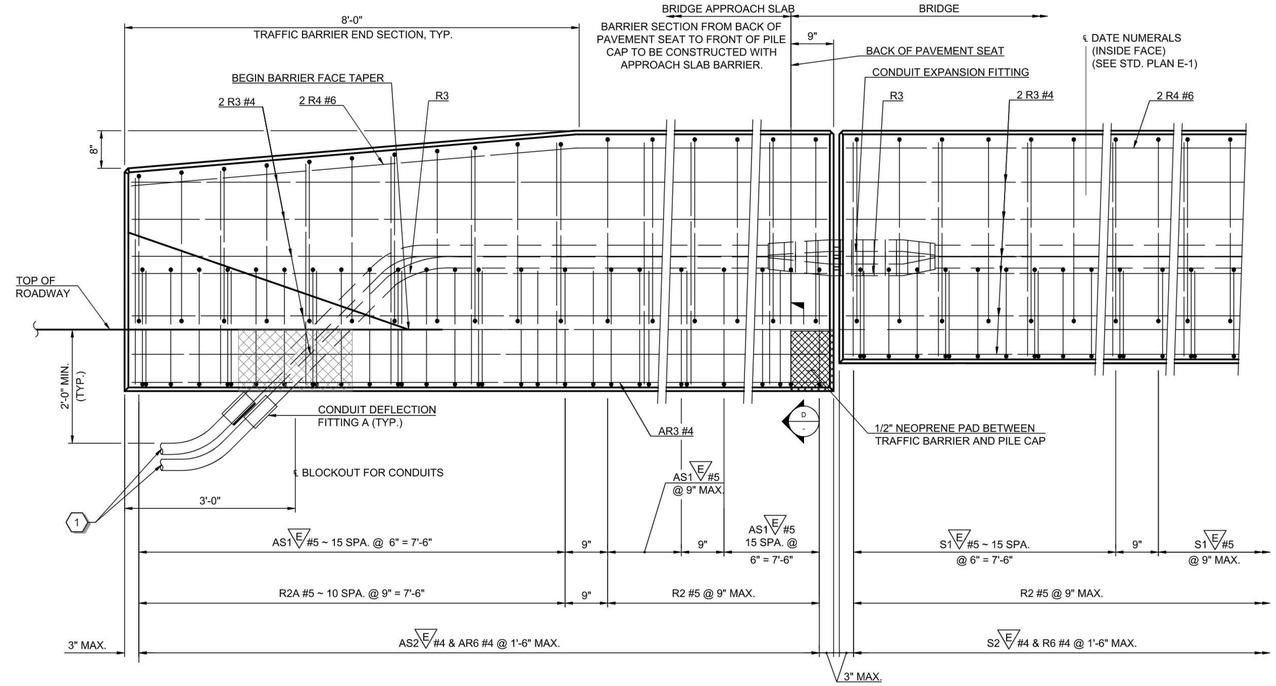


END VIEW

W-BEAM SHOWN WITH TYPE "F" CONNECTION PER C-24.10-01 AND END SECTION DESIGN F PER C-7

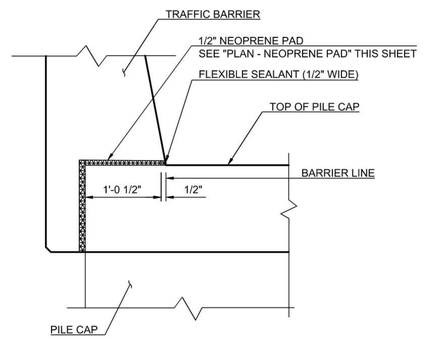
OUTSIDE ELEVATION TRAFFIC BARRIER - GUARDRAIL CONNECTION

(WHERE SHOWN ON LAYOUT)

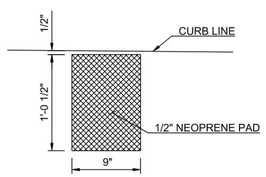


OUTSIDE ELEVATION OF TRAFFIC BARRIER

SHOWN WITH BRIDGE APPROACH SLABS



SECTION D



PLAN NEOPRENE PAD

NOTES:

1. 2"Ø RGS CONDUIT PIPES (TYP.) OR SEE WIRING SCHEDULE FOR CONDUIT SIZE.
2. BARRIER CONTINUOUS BETWEEN BRIDGE DECK EXPANSION JOINTS. CONSTRUCTION JOINTS WITH SHEAR KEYS ARE PERMISSIBLE AT DUMMY JOINT LOCATIONS. FORM JOINTS BETWEEN DUMMY JOINTS SHALL NOT BE PERMITTED.
3. 7/8"Ø ROCKET/KOHLER F-50, LANCASTER MALLEABLE, OR DAYTON/RICHMOND F-62 FLARED THIN SLAB FERRULE INSERTS OR APPROVED EQUAL (TYP.). RESIN-BONDED ANCHORS MAY BE SUBSTITUTED.

Conformed Set

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

TRAFFIC BARRIER DETAILS - 1 OF 2 FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

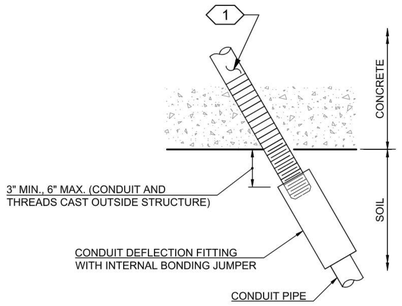
811 Know what's below. Call before you dig.

WMA A.L.A. OF WASH. 30405 REGISTERED PROFESSIONAL ENGINEER 02/16/2026

DESIGNED:	MZ
CHECKED:	NA
NOVEMBER 2025	45015-004
SHEET ID	BR-514
SHEET	90 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\BR-514 BARRIERS.dwg Layout Tab: TRAFFIC BARRIER DETAILS - 1 OF 2 User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:50:44 PM

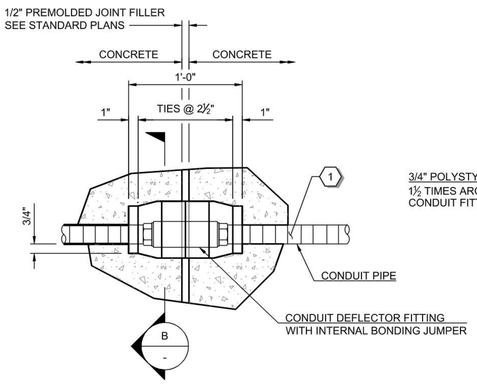
Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.



CONDUIT DEFLECTION FITTING A

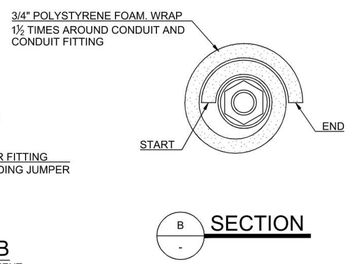
CONDUIT FITTING - TYPE DX FOR DEFLECTION OF 30° AND 3/4' MOVEMENT.

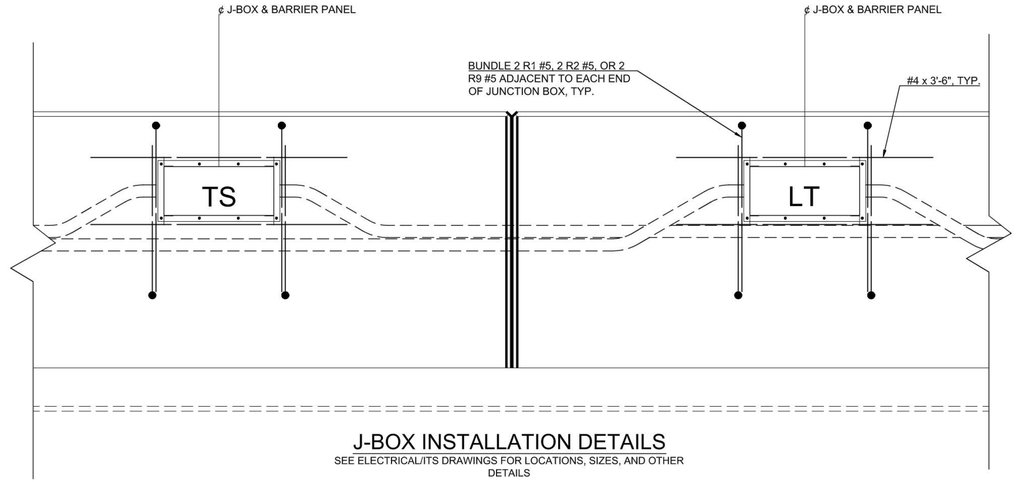
2



CONDUIT DEFLECTION FITTING B

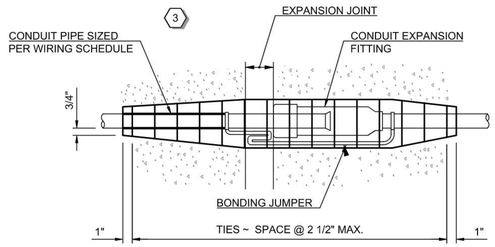
CONDUIT FITTING - TYPE DX FOR DEFLECTION OF 30° AND 3/4' MOVEMENT.





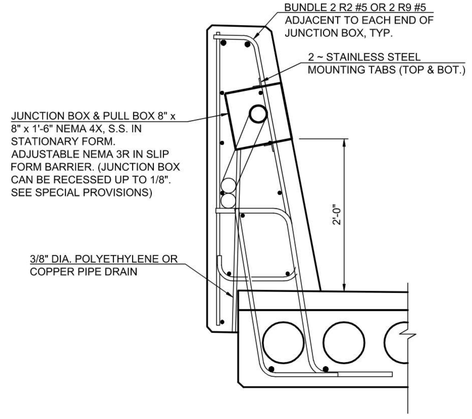
J-BOX INSTALLATION DETAILS

SEE ELECTRICAL/ITS DRAWINGS FOR LOCATIONS, SIZES, AND OTHER DETAILS

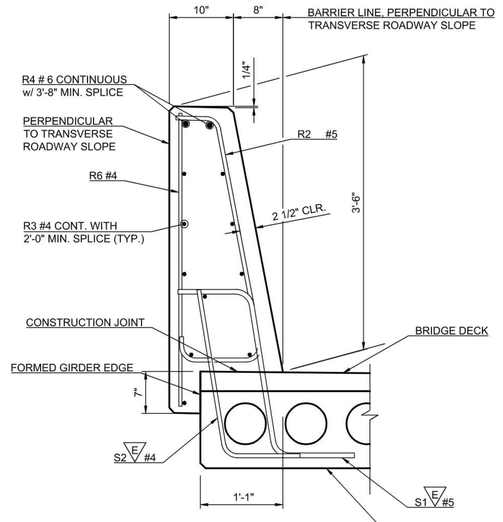


CONDUIT EXPANSION FITTING

CONDUIT FITTING - (TYPE AX FOR MOVEMENT OF ± 2") AT BRIDGE EXPANSION JOINTS



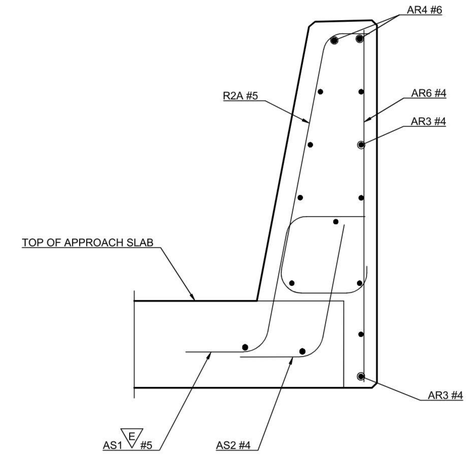
TRAFFIC BARRIER SECTION AT JUNCTION BOX



TYPICAL SECTION TRAFFIC BARRIER

B / BR-514

SHOWN ON BRIDGE

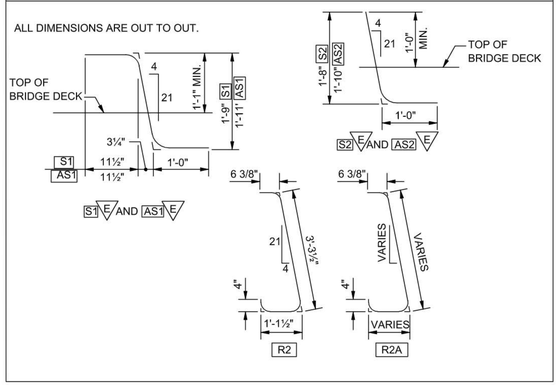


BRIDGE APPROACH SLAB

C / BR-514

APPROACH SLAB REINFORCING NOT SHOWN FOR CLARITY

BENDING DIAGRAM



NOTES:

1. WHERE CONDUIT IN A STRUCTURE IS ROUTED ACROSS A JOINT, WRAP STEEL CONDUIT PIPE FOR 1'-0" ON EACH SIDE OF JOINT. PIPE WRAP TAPE SHALL BE 2" WIDE, 20 MIL THICK, AND INSTALLED WITH A MINIMUM OF 1" OVERLAP.
2. PLACE AT CONDUIT PIPE EXIT FROM STRUCTURE AND SHALL BE IN NEUTRAL STATE AFTER INSTALLATION.
3. 3'-0" LONG EXPANDED POLYSTYRENE SLEEVE AROUND CONDUIT. DUCT TAPE SEAMS AND ENDS TO SEAL AND PREVENT CONCRETE FROM BONDING WITH FITTING AND CONDUIT.

Conformed Set

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

TRAFFIC BARRIER DETAILS - 2 OF 2 FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.



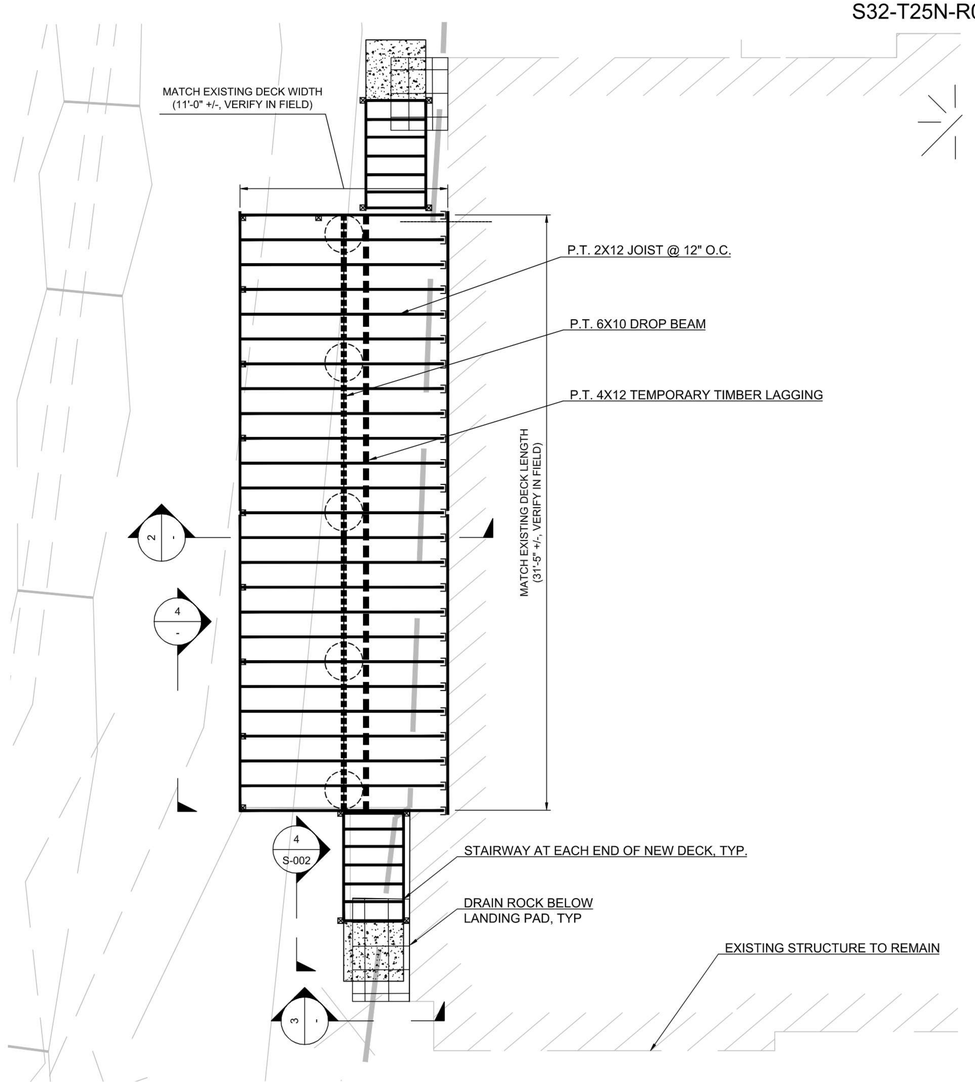
DESIGNED: MZ
CHECKED: NA
NOVEMBER 2025
45015-004

SHEET ID
BR-515
SHEET 91 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CADIWorking\Sheets\BR-514 BARRIERS.dwg Layout Tab: TRAFFIC BARRIER DETAILS - 2 OF 2 User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:50:46 PM

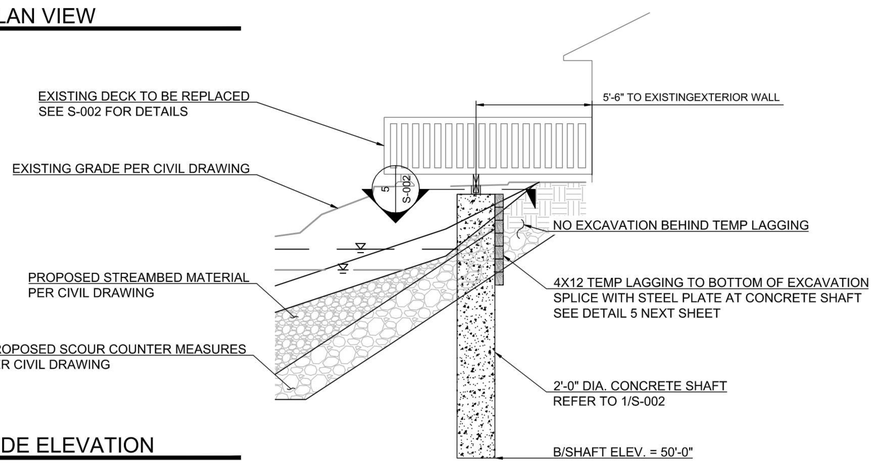
Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA



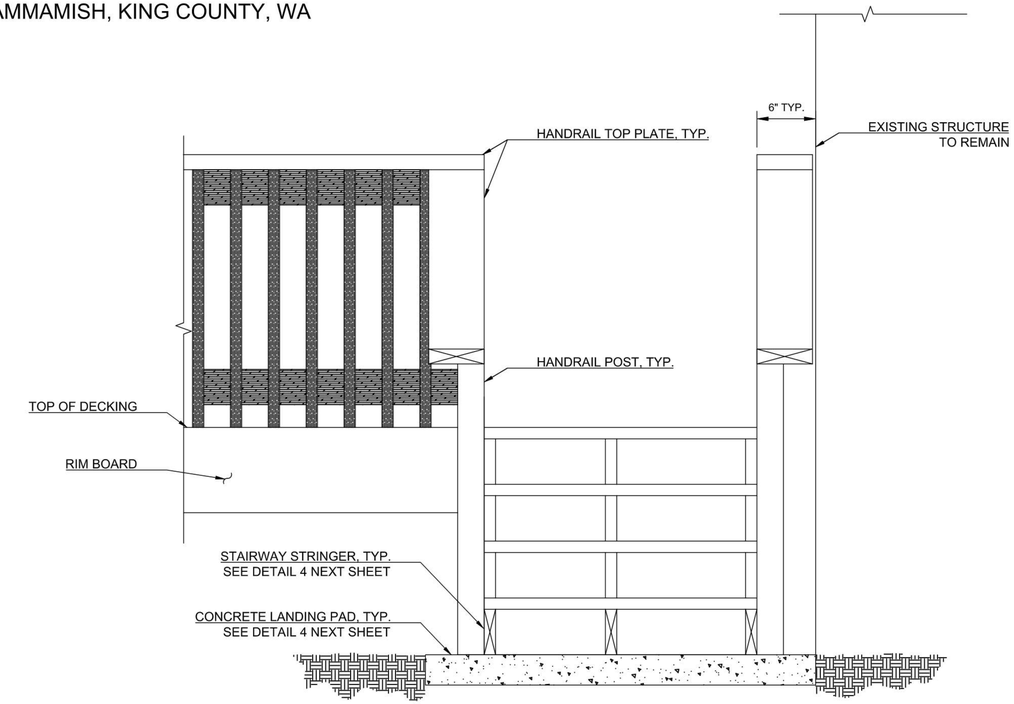
1 DECK PLAN VIEW

N.T.S.



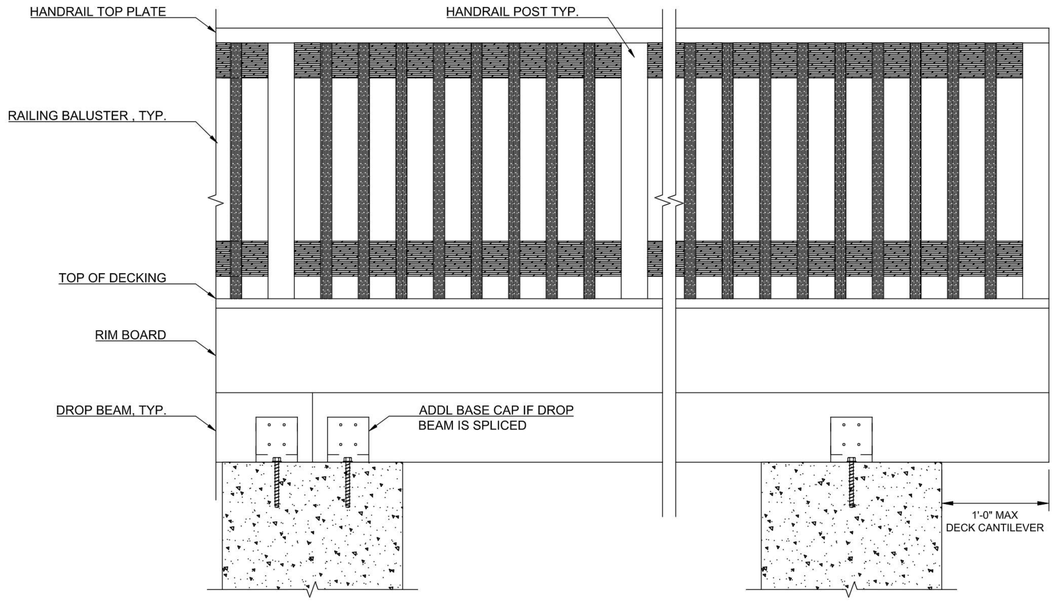
2 DECK SIDE ELEVATION

N.T.S.



3 STAIRWAY SECTION

N.T.S.



4 DECK FRONT ELEVATION

N.T.S.

Conformed Set

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

DECK PLAN AND ELEVATION FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

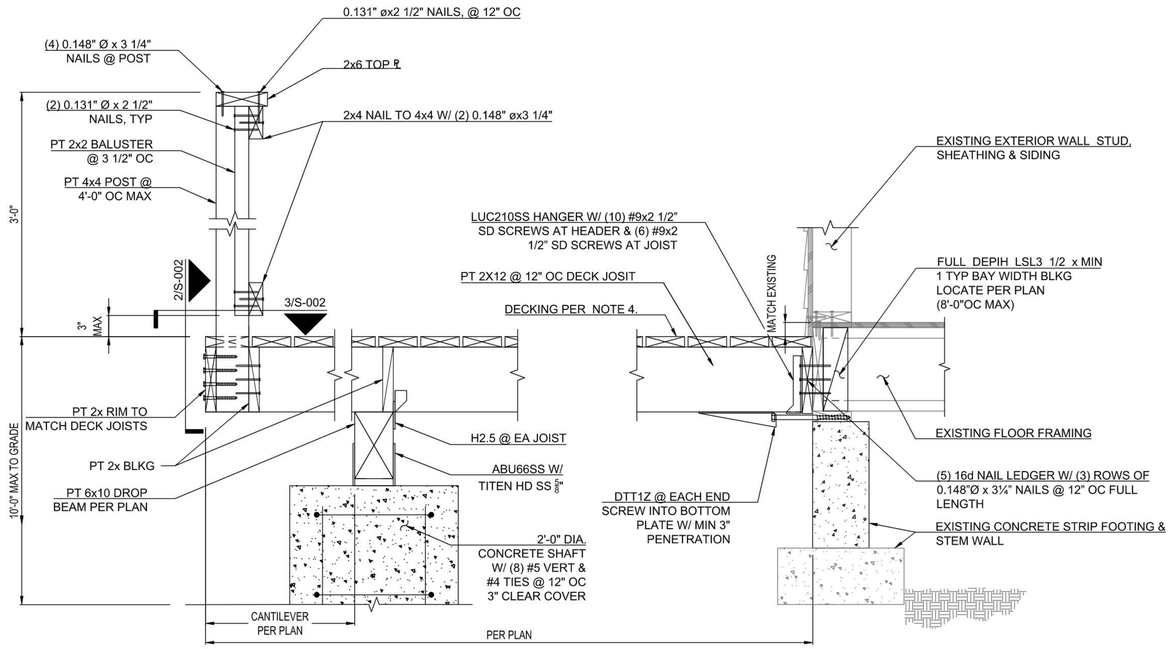
HOWARD A. WELLS
STATE OF WASHINGTON
44034
REGISTERED
PROFESSIONAL ENGINEER
02/16/2026

DESIGNED: MG
CHECKED: MZ
OCTOBER 2025
45015-004

SHEET ID
S-001
SHEET 92 OF 108

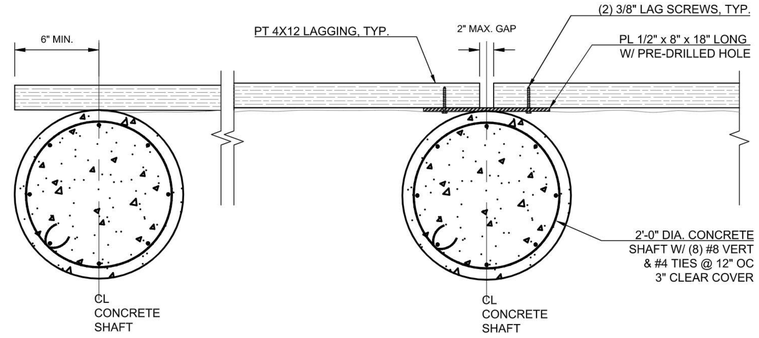
Filename: L:\Projects\450004\45015\45015-004\Civil\CAD\Working\Sheets\S-001 DECK PLAN AND ELEVATION.dwg Layout Tab: DECK PLAN AND ELEVATION User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:51:03 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

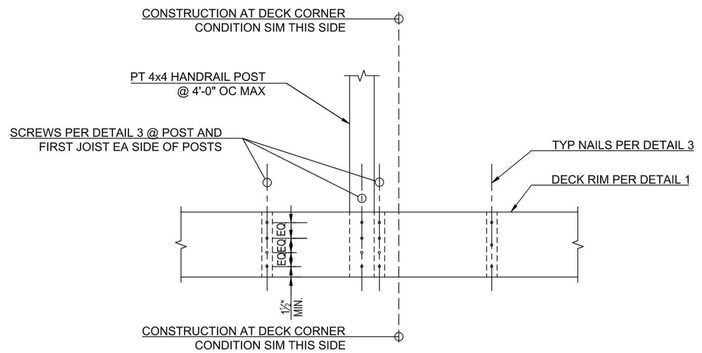


NOTE:
1. ALL WOOD FRAMING TO BE DOUGLAS FIR-LARCH (DF) NO.1
2. WATERPROOFING/FLASHING TO MATCH EXISTING.
3. ALL NAILING & METAL COMPONENTS TO BE STAINLESS STEEL.
4. DECKING MATERIAL PER OWNER. PT WOOD DECKING TO BE MIN 1 ¼" THICK. PLASTIC COMPOSITE TO COMPLY WITH ASTM D7032. ATTACH TO JOIST WITH MIN (2) 8d THREADED NAILS OR (2) NO.8 WOOD SCREWS

1 S-001 DECK SECTION
N.T.S.

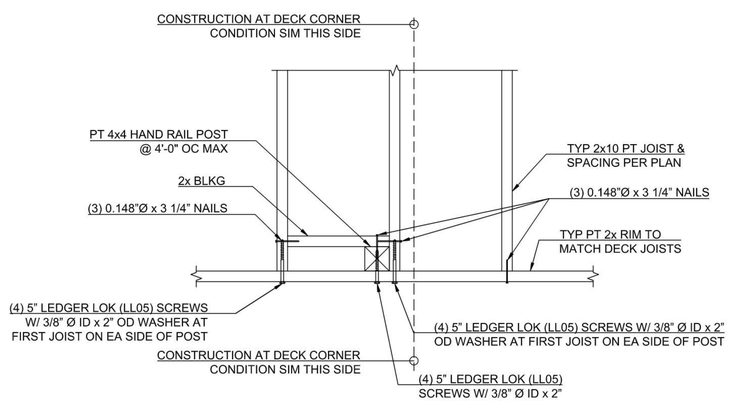


5 S-001 CONCRETE SHAFT - PLAN VIEW
N.T.S.

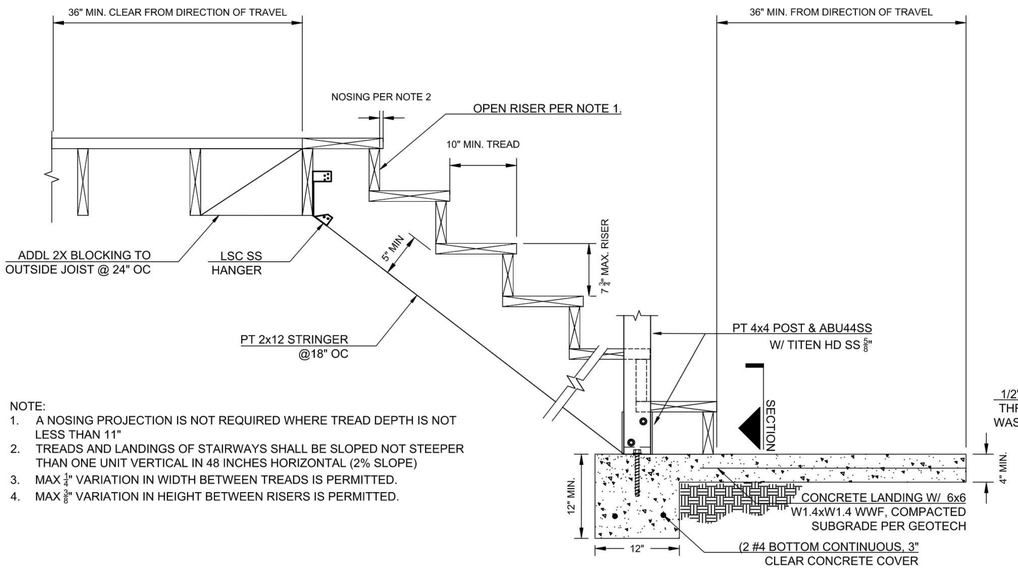


NOTE:
1. RAILING BALUSTERS NOT SHOWN FOR CLARITY. SEE DETAIL 1 FOR DETAILS.

2 S-002 HANDRAIL FRONT ELEVATION
N.T.S.

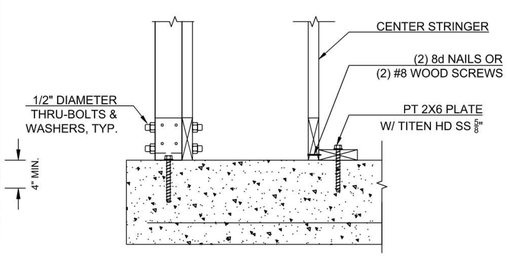


3 S-002 HANDRAIL PLAN VIEW
N.T.S.



NOTE:
1. A NOSING PROJECTION IS NOT REQUIRED WHERE TREAD DEPTH IS NOT LESS THAN 11"
2. TREADS AND LANDINGS OF STAIRWAYS SHALL BE SLOPED NOT STEEPER THAN ONE UNIT VERTICAL IN 48 INCHES HORIZONTAL (2% SLOPE)
3. MAX ¾" VARIATION IN WIDTH BETWEEN TREADS IS PERMITTED.
4. MAX ⅜" VARIATION IN HEIGHT BETWEEN RISERS IS PERMITTED.

4 S-001 STAIRWAY SECTION
N.T.S.



NOTE:
1. TREAD & RISER NOT SHOWN FOR CLARITY.

SECTION
N.T.S.

Conformed Set

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

DECK DETAILS FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

HOWARD A. WELLS — STATE OF WASHINGTON — 44034 — REGISTERED PROFESSIONAL ENGINEER — 02/16/2026

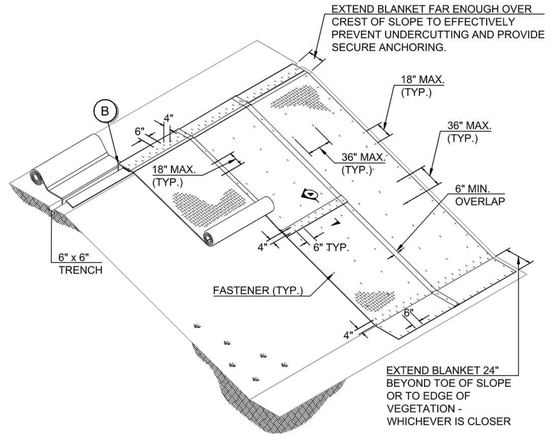
DESIGNED: MG
CHECKED: MZ
OCTOBER 2025
45015-004

SHEET ID
S-002
SHEET 93 OF 108

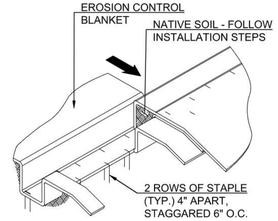
Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\S-002 DECK DETAILS.dwg Layout Tab: DECK DETAILS User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:51:18 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

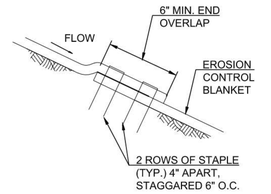
SEEDING LIST					
SYMBOL	SPECIES MIX	PLS (by acre)	DESIRED % (BY WEIGHT)	TOTAL AREA (acres)	SEEDING RATE (PLS/acre)
ROADSIDE RESTORATION MIX					
	Elymus glaucus Blue Wildrye	21.9	50%	0.22 ACRES (9,535 SF)	43.71 LBS PLS/ACRE
	Festuca rubra rubra Native Red Fescue	13.10	30%		
	Bromus carinatus California Brome	4.4	10%		
	Agrostis exarata Spike Bentgrass	4.4	10%		
STREAM BANK STABILIZATION MIX					
	Elymus glaucus Blue Wildrye	26	60%	0.19 ACRES (8,055 SF)	43.42 LBS PLS/ACRE
	Festuca rubra rubra Native Red Fescue	13	25%		
	Bromus carinatus California Brome	2.3	10%		
	Deschampsia caespitosa Tufted Hairgrass	2.12	5%		
RIPARIAN MIX					
	Hordeum brachyantherum Meadow Barley	10	40%	0.11 ACRES (4,680 SF)	43.40 LBS PLS/ACRE
	Bromus carinatus California Brome	5.3	35%		
	Festuca rubra rubra Native Red Fescue	12	20%		
	Deschampsia caespitosa Tufted Hairgrass	10.1	3%		
	Agrostis exarata Spike Bentgrass	6	2%		



NOTES:
1. More than the minimum of one fastener per square yard may be required due to conditions such as blanket composition, soil type, surface uniformity, and slope steepness.
2. see standard specification 8-01.3(3) and 9-14.5(2)
3. Install according to manufacturer's requirements.
4. additional staples may be required on slopes greater than 3H:1V



INITIAL ANCHOR ~ DETAIL (B)

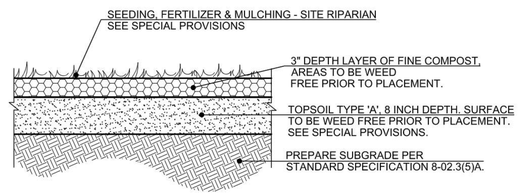


SHINGLE SPLICE ~ SECTION (A)

INSTALLATION STEPS
1. Prepare smooth slope.
2. Amend soil and seed, as specified.
3. Dig anchor trench, set aside excavated soil.
4. Secure blanket in anchor trench, staking or stapling blanket as shown.
5. Replace native soil previously removed from trench.
6. Roll blanket down the slope in a controlled manner, taking care to remove excess slack and taking care not to stretch blanket.
7. Stake or staple blanket as shown so there are no gaps between the blanket and soil.Staple while unrolling blanket to minimize walking on blanket.

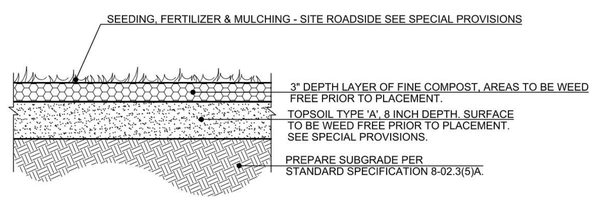
Coir Fabric Erosion Control Blanket

NOT TO SCALE



Site - Riparian Seeding Section

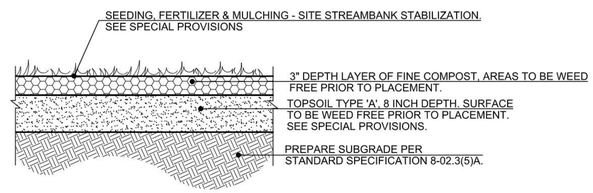
NOT TO SCALE



Site - Roadside Seeding Section

NOT TO SCALE

SEEDING NOTE:
SOIL PROFILE SECTIONS CORRESPOND TO THE SEED MIX AND THE ASSOCIATED HATCH SHOWN IN THE LEGEND, THIS SHEET.



Site - Streambank Stabilization Seeding Section

NOT TO SCALE

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX

SEEDING LEGEND AND DETAILS FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
A SITE LOCATED IN THE CITY OF SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

STATE OF WASHINGTON · REBECCA J. WAHLSTROM · 21741 · REGISTERED LANDSCAPE ARCHITECT · EXP. 06/29/2027
02/16/2026

DESIGNED: JJM
CHECKED: RWP
NOVEMBER 2025
45015-004
SHEET ID
PP-001
SHEET 94 OF 108

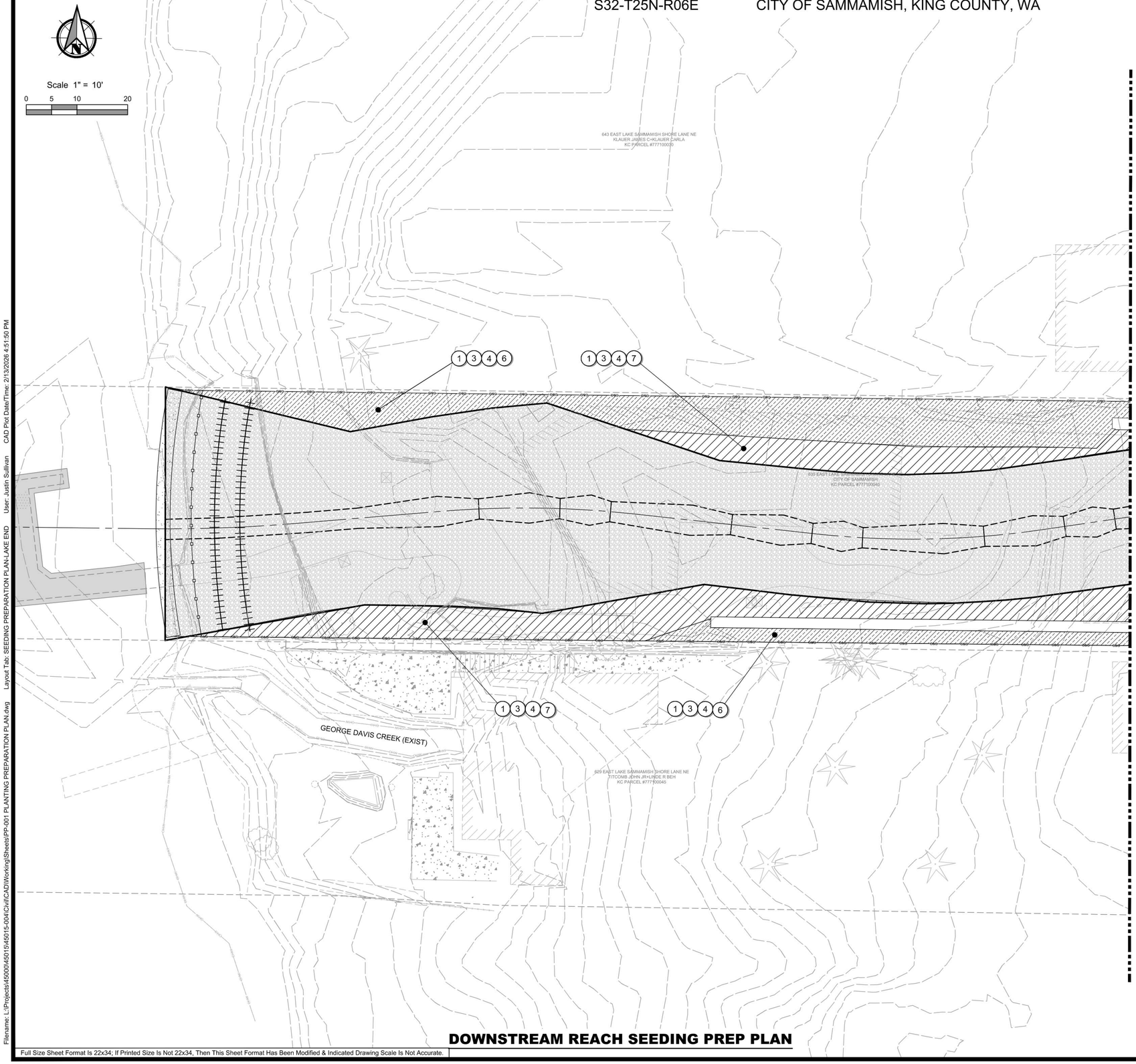
Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\PP-001 PLANTING PREPARATION PLAN.dwg Layout Tab: SEEDING LEGEND AND DETAILS User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:51:44 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA

Scale 1" = 10'

0 5 10 20



MATCH LINE - STATION 12+12 - SEE SHEET PP-003

DOWNSTREAM REACH SEEDING PREP PLAN

SOIL PREPARATION NOTES:

1. SEEDING AREA PREPARATION. AREAS SHALL BE WEED FREE AND BARE CONDITION. BRING AREAS TO A UNIFORM DEPTH WITH LONGITUDINAL DEPRESSIONS. DECOMPACT AREAS WITHIN OLD PAVING AREAS TO 8" DEPTH TO ALLOW FREE DRAINAGE.
2. PLANTING AREA PREPARATION. AREAS SHALL BE WEED FREE AND BARE CONDITION. DECOMPACT THE PLANTING HOLE TO A DEPTH OF 18" TO ALLOW FREE DRAINAGE.
3. 8" DEPTH TOPSOIL TYPE 'A' PER STANDARD SPECIFICATIONS 8-02.3(4)A. DEPTH SHALL BE MEASURED AFTER SETTLING FOR 5 DAYS. ADDITIONAL QUANTITY NEEDED SHALL BE AT NO COST TO THE CONTRACTING AGENCY.
4. 3" DEPTH FINE COMPOST. SEE STANDARD SPECIFICATION 8-02.3(6)A.
5. APPLY BIODEGRADABLE EROSION CONTROL BLANKET PER BLANKET DETAIL ON SHEET P-001. SEE STANDARD SPECIFICATIONS 9-14.6(2) AND 9-14.6(2)A, B, C.
6. SEEDING, FERTILIZER AND MULCHING - SITE RIPARIAN PER STANDARD SPECIFICATIONS 8-02-3(9) AND SPECIAL PROVISIONS.
7. SEEDING, FERTILIZER AND MULCHING - SITE NATIVE STREAM PER STANDARD SPECIFICATIONS 8-02-3(9) AND SPECIAL PROVISIONS.
8. SEEDING, FERTILIZER AND MULCHING - SITE ROADSIDE PER STANDARD SPECIFICATIONS 8-02-3(9) AND SPECIAL PROVISIONS.

HATCH LEGEND

- SEEDING, MULCHING, AND FERTILIZING -SITE ROADSIDE
- SEEDING, MULCHING, AND FERTILIZING - SITE RIPARIAN
- SEEDING, MULCHING, AND FERTILIZING -STREAM BANK STABILIZATION

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

SEEDING PREPARATION PLAN-LAKE END FOR:

GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT

A SITE LOCATED IN THE CITY OF SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

STATE OF WASHINGTON
REBECCA J WAHLSTROM
No. 1141 EXP. 06/12/2027
LANDSCAPE ARCHITECT
02/16/2026

DESIGNED: JJM
CHECKED: RWP
NOVEMBER 2025
45015-004

SHEET ID
PP-002
SHEET 95 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\PP-001 PLANTING PREPARATION PLAN.dwg Layout Tab: SEEDING PREPARATION PLAN-LAKE END User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:51:50 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

Scale 1" = 10'

0 5 10 20

E LAKE SAMMAMISH SHORE LN NE

E LAKE SAMMAMISH TRAIL

NE 7TH CT

MATCH LINE - STATION 12+16 - SEE SHEET PP-002

MATCH LINE - STATION 15+10 - SEE SHEET PP-004

MATCH LINE - STATION 15+10 - SEE SHEET PP-007

PARCEL 077710-004

PARCEL 077710-0045

KING COUNTY TRAIL PROJECT
SEE COUNTY PLANS (VOLUME 2)

SAMMAMISH WY NE

SOIL PREPARATION NOTES:

1. SEEDING AREA PREPARATION. AREAS SHALL BE WEED FREE AND BARE CONDITION. BRING AREAS TO A UNIFORM DEPTH WITH LONGITUDINAL DEPRESSIONS. DECOMPACT AREAS WITHIN OLD PAVING AREAS TO 8" DEPTH TO ALLOW FREE DRAINAGE.
2. PLANTING AREA PREPARATION. AREAS SHALL BE WEED FREE AND BARE CONDITION. DECOMPACT THE PLANTING HOLE TO A DEPTH OF 18" TO ALLOW FREE DRAINAGE.
3. 8" DEPTH TOPSOIL TYPE 'A' PER STANDARD SPECIFICATIONS 8-02.3(4)A. DEPTH SHALL BE MEASURED AFTER SETTLING FOR 5 DAYS. ADDITIONAL QUANTITY NEEDED SHALL BE AT NO COST TO THE CONTRACTING AGENCY.
4. 3" DEPTH FINE COMPOST. SEE STANDARD SPECIFICATION 8-02.3(6)A.
5. APPLY BIODEGRADABLE EROSION CONTROL BLANKET PER BLANKET DETAIL ON SHEET P-001. SEE STANDARD SPECIFICATIONS 9-14.6(2) AND 9-14.6(2)A, B, C.
6. SEEDING, FERTILIZER AND MULCHING - SITE RIPARIAN PER STANDARD SPECIFICATIONS 8-02-3(9) AND SPECIAL PROVISIONS.
7. SEEDING, FERTILIZER AND MULCHING - SITE NATIVE STREAM PER STANDARD SPECIFICATIONS 8-02-3(9) AND SPECIAL PROVISIONS.
8. SEEDING, FERTILIZER AND MULCHING - SITE ROADSIDE PER STANDARD SPECIFICATIONS 8-02-3(9) AND SPECIAL PROVISIONS.

HATCH LEGEND

- SEEDING, MULCHING, AND FERTILIZING -SITE ROADSIDE
- SEEDING, MULCHING, AND FERTILIZING - SITE RIPARIAN
- SEEDING, MULCHING, AND FERTILIZING -STREAM BANK STABILIZATION

ELSP CROSSING REACH SEEDING PREP PLAN

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

SEEDING PREPARATION PLAN-BRIDGE FOR:

GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT

A SITE LOCATED IN THE CITY OF SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

STATE OF WASHINGTON
REBECCA J WAHLSTROM
LANDSCAPE ARCHITECT
NO. 1947, EXP. 06/23/2027
02/16/2026

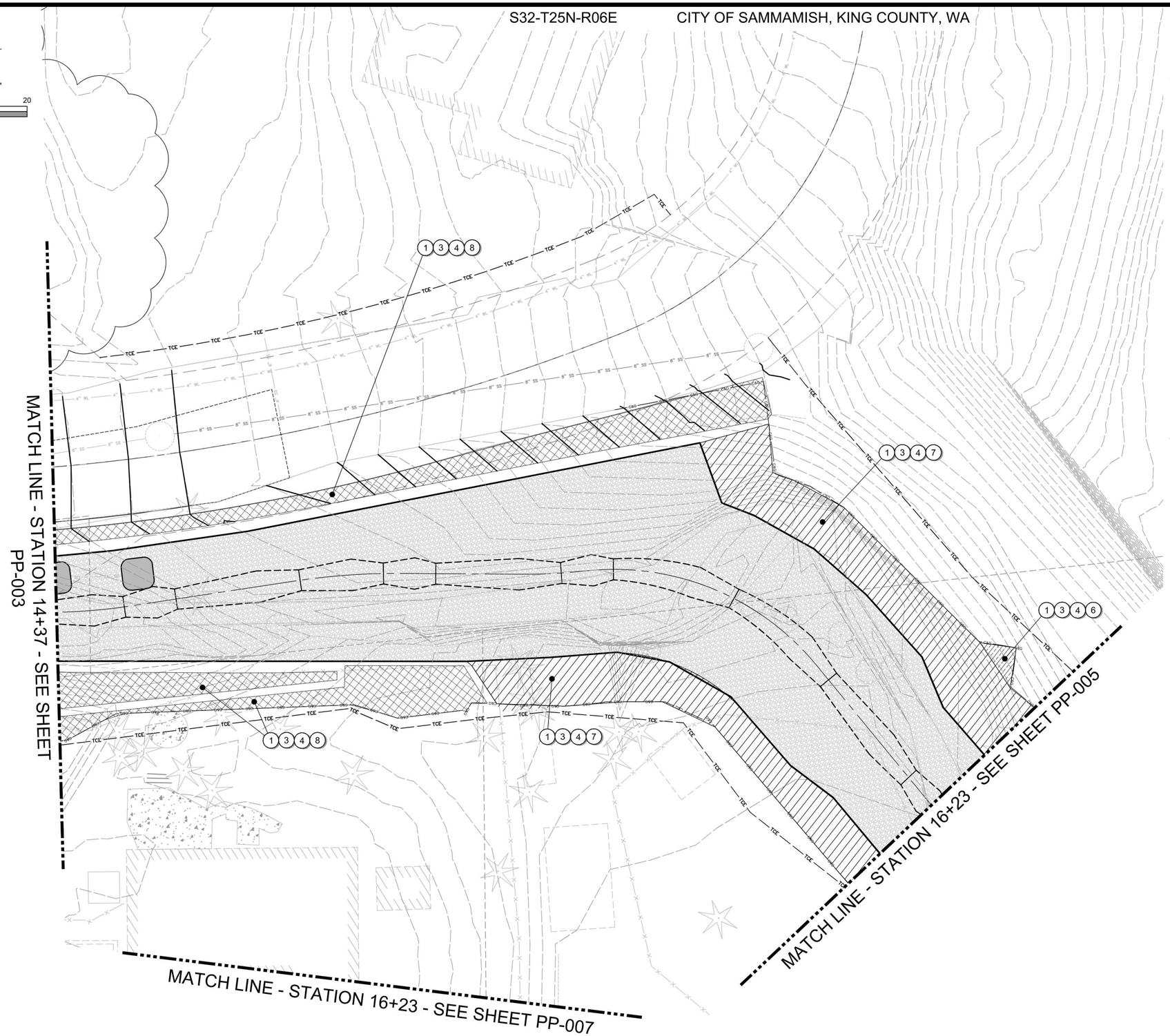
DESIGNED:	JJM
CHECKED:	RWP
NOVEMBER 2025	45015-004
SHEET ID	PP-003
SHEET	96 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\PP-001 PLANTING PREPARATION PLAN.dwg Layout Tab: SEEDING PREPARATION PLAN-BRIDGE User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:51:54 PM

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA

Scale 1" = 10'

0 5 10 20



SOIL PREPARATION NOTES:

1. SEEDING AREA PREPARATION. AREAS SHALL BE WEED FREE AND BARE CONDITION. BRING AREAS TO A UNIFORM DEPTH WITH LONGITUDINAL DEPRESSIONS. DECOMPACT AREAS WITHIN OLD PAVING AREAS TO 8" DEPTH TO ALLOW FREE DRAINAGE.
2. PLANTING AREA PREPARATION. AREAS SHALL BE WEED FREE AND BARE CONDITION. DECOMPACT THE PLANTING HOLE TO A DEPTH OF 18" TO ALLOW FREE DRAINAGE.
3. 8" DEPTH TOPSOIL TYPE 'A' PER STANDARD SPECIFICATIONS 8-02.3(4)A. DEPTH SHALL BE MEASURED AFTER SETTLING FOR 5 DAYS. ADDITIONAL QUANTITY NEEDED SHALL BE AT NO COST TO THE CONTRACTING AGENCY.
4. 3" DEPTH FINE COMPOST. SEE STANDARD SPECIFICATION 8-02.3(6)A.
5. APPLY BIODEGRADABLE EROSION CONTROL BLANKET PER BLANKET DETAIL ON SHEET P-001. SEE STANDARD SPECIFICATIONS 9-14.6(2) AND 9-14.6(2)A, B, C.
6. SEEDING, FERTILIZER AND MULCHING - SITE RIPARIAN PER STANDARD SPECIFICATIONS 8-02-3(9) AND SPECIAL PROVISIONS.
7. SEEDING, FERTILIZER AND MULCHING - SITE NATIVE STREAM PER STANDARD SPECIFICATIONS 8-02-3(9) AND SPECIAL PROVISIONS.
8. SEEDING, FERTILIZER AND MULCHING - SITE ROADSIDE PER STANDARD SPECIFICATIONS 8-02-3(9) AND SPECIAL PROVISIONS.

HATCH LEGEND

- SEEDING, MULCHING, AND FERTILIZING -SITE ROADSIDE
- SEEDING, MULCHING, AND FERTILIZING - SITE RIPARIAN
- SEEDING, MULCHING, AND FERTILIZING -STREAM BANK STABILIZATION

Conformed Set

No.	Revision	Date	By	App'd

LOWER UPSTREAM REACH SEEDING PREP PLAN

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

SEEDING PREPARATION PLAN-EAST FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
A SITE LOCATED IN THE CITY OF SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

STATE OF WASHINGTON
REBECCA J WAHLSTROM
No. 1141 EXP. 06/23/2027
LANDSCAPE ARCHITECT
02/16/2026

DESIGNED: JJM
CHECKED: RWP
NOVEMBER 2025
45015-004

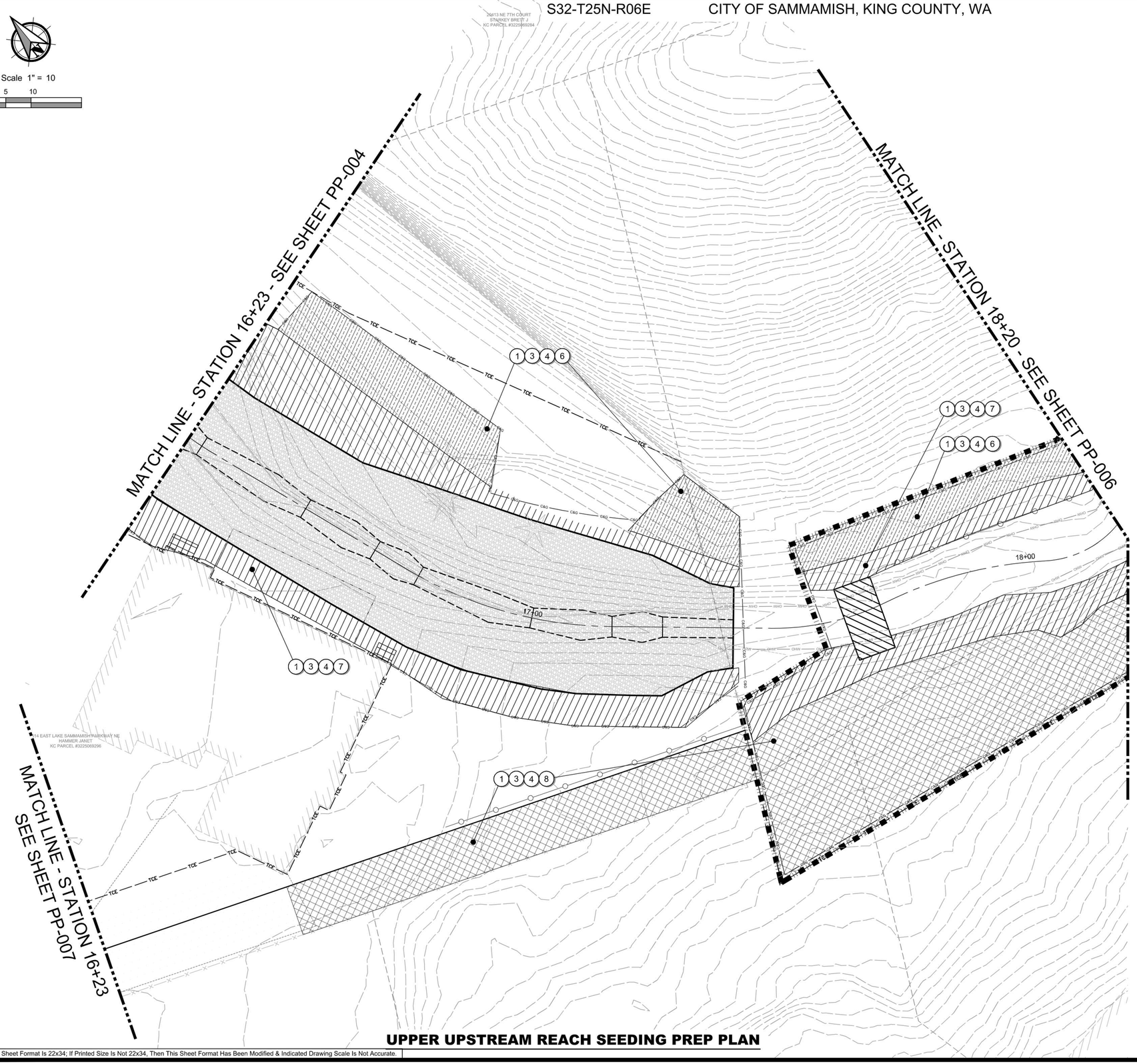
SHEET ID
PP-004
SHEET 97 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\PP-001 PLANTING PREPARATION PLAN.dwg Layout Tab: SEEDING PREPARATION PLAN-EAST User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:52:00 PM

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA

Scale 1" = 10

0 5 10



SOIL PREPARATION NOTES:

1. SEEDING AREA PREPARATION. AREAS SHALL BE WEED FREE AND BARE CONDITION. BRING AREAS TO A UNIFORM DEPTH WITH LONGITUDINAL DEPRESSIONS. DECOMPACT AREAS WITHIN OLD PAVING AREAS TO 8" DEPTH TO ALLOW FREE DRAINAGE.
2. PLANTING AREA PREPARATION. AREAS SHALL BE WEED FREE AND BARE CONDITION. DECOMPACT THE PLANTING HOLE TO A DEPTH OF 18" TO ALLOW FREE DRAINAGE.
3. 8" DEPTH TOPSOIL TYPE 'A' PER STANDARD SPECIFICATIONS 8-02.3(4)A. DEPTH SHALL BE MEASURED AFTER SETTLING FOR 5 DAYS. ADDITIONAL QUANTITY NEEDED SHALL BE AT NO COST TO THE CONTRACTING AGENCY.
4. 3" DEPTH FINE COMPOST. SEE STANDARD SPECIFICATION 8-02.3(6)A.
5. APPLY BIODEGRADABLE EROSION CONTROL BLANKET PER BLANKET DETAIL ON SHEET P-001. SEE STANDARD SPECIFICATIONS 9-14.6(2) AND 9-14.6(2)A, B, C.
6. SEEDING, FERTILIZER AND MULCHING - SITE RIPARIAN PER STANDARD SPECIFICATIONS 8-02-3(9) AND SPECIAL PROVISIONS.
7. SEEDING, FERTILIZER AND MULCHING - SITE NATIVE STREAM PER STANDARD SPECIFICATIONS 8-02-3(9) AND SPECIAL PROVISIONS.
8. SEEDING, FERTILIZER AND MULCHING - SITE ROADSIDE PER STANDARD SPECIFICATIONS 8-02-3(9) AND SPECIAL PROVISIONS.

HATCH LEGEND

- SEEDING, MULCHING, AND FERTILIZING -SITE ROADSIDE
- SEEDING, MULCHING, AND FERTILIZING - SITE RIPARIAN
- SEEDING, MULCHING, AND FERTILIZING -STREAM BANK STABILIZATION

UPPER UPSTREAM REACH SEEDING PREP PLAN

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

SEEDING PREPARATION PLAN-EAST END FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
A SITE LOCATED IN THE CITY OF SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

STATE OF WASHINGTON
REBECCA J WAHLSTROM
No. 1141 EXP. 06/23/2027
LANDSCAPE ARCHITECT
02/16/2026

DESIGNED: JJM
CHECKED: RWP
NOVEMBER 2025
45015-004

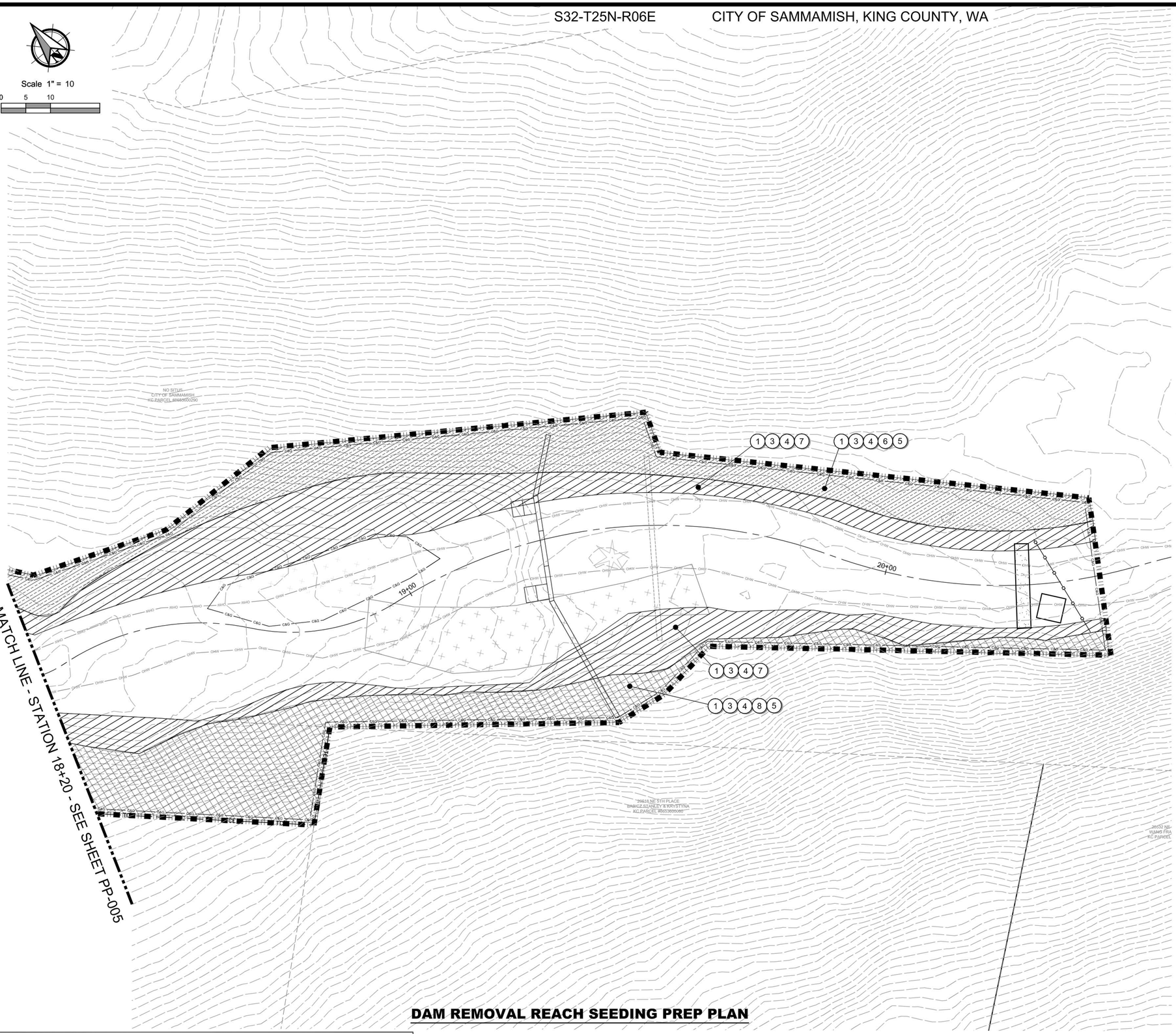
SHEET ID
PP-005
SHEET 98 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\PP-001 PLANTING PREPARATION PLAN.dwg Layout Tab: SEEDING PREPARATION PLAN-EAST END User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:52:05 PM

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA

Scale 1" = 10

0 5 10



SOIL PREPARATION NOTES:

1. SEEDING AREA PREPARATION. AREAS SHALL BE WEED FREE AND BARE CONDITION. BRING AREAS TO A UNIFORM DEPTH WITH LONGITUDINAL DEPRESSIONS. DECOMPACT AREAS WITHIN OLD PAVING AREAS TO 8" DEPTH TO ALLOW FREE DRAINAGE.
2. PLANTING AREA PREPARATION. AREAS SHALL BE WEED FREE AND BARE CONDITION. DECOMPACT THE PLANTING HOLE TO A DEPTH OF 18" TO ALLOW FREE DRAINAGE.
3. 8" DEPTH TOPSOIL TYPE 'A' PER STANDARD SPECIFICATIONS 8-02.3(4)A. DEPTH SHALL BE MEASURED AFTER SETTLING FOR 5 DAYS. ADDITIONAL QUANTITY NEEDED SHALL BE AT NO COST TO THE CONTRACTING AGENCY.
4. 3" DEPTH FINE COMPOST. SEE STANDARD SPECIFICATION 8-02.3(6)A.
5. APPLY BIODEGRADABLE EROSION CONTROL BLANKET PER BLANKET DETAIL ON SHEET P-001. SEE STANDARD SPECIFICATIONS 9-14.6(2) AND 9-14.6(2)A, B, C.
6. SEEDING, FERTILIZER AND MULCHING - SITE RIPARIAN PER STANDARD SPECIFICATIONS 8-02-3(9) AND SPECIAL PROVISIONS.
7. SEEDING, FERTILIZER AND MULCHING - SITE NATIVE STREAM PER STANDARD SPECIFICATIONS 8-02-3(9) AND SPECIAL PROVISIONS.
8. SEEDING, FERTILIZER AND MULCHING - SITE ROADSIDE PER STANDARD SPECIFICATIONS 8-02-3(9) AND SPECIAL PROVISIONS.

HATCH LEGEND

- SEEDING, MULCHING, AND FERTILIZING -SITE ROADSIDE
- SEEDING, MULCHING, AND FERTILIZING - SITE RIPARIAN
- SEEDING, MULCHING, AND FERTILIZING -STREAM BANK STABILIZATION

DAM REMOVAL REACH SEEDING PREP PLAN

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

SEEDING PREPARATION PLAN-DAM FOR: GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT

A SITE LOCATED IN THE CITY OF SAMMAMISH, WASHINGTON

811 Know what's **below.** **Call** before you dig.

STATE OF WASHINGTON
REBECCA J WAHLSTROM
No. 1741 EXP. 06/23/2027
LANDSCAPE ARCHITECT
02/16/2026

DESIGNED: JJM
CHECKED: RWP
NOVEMBER 2025
45015-004

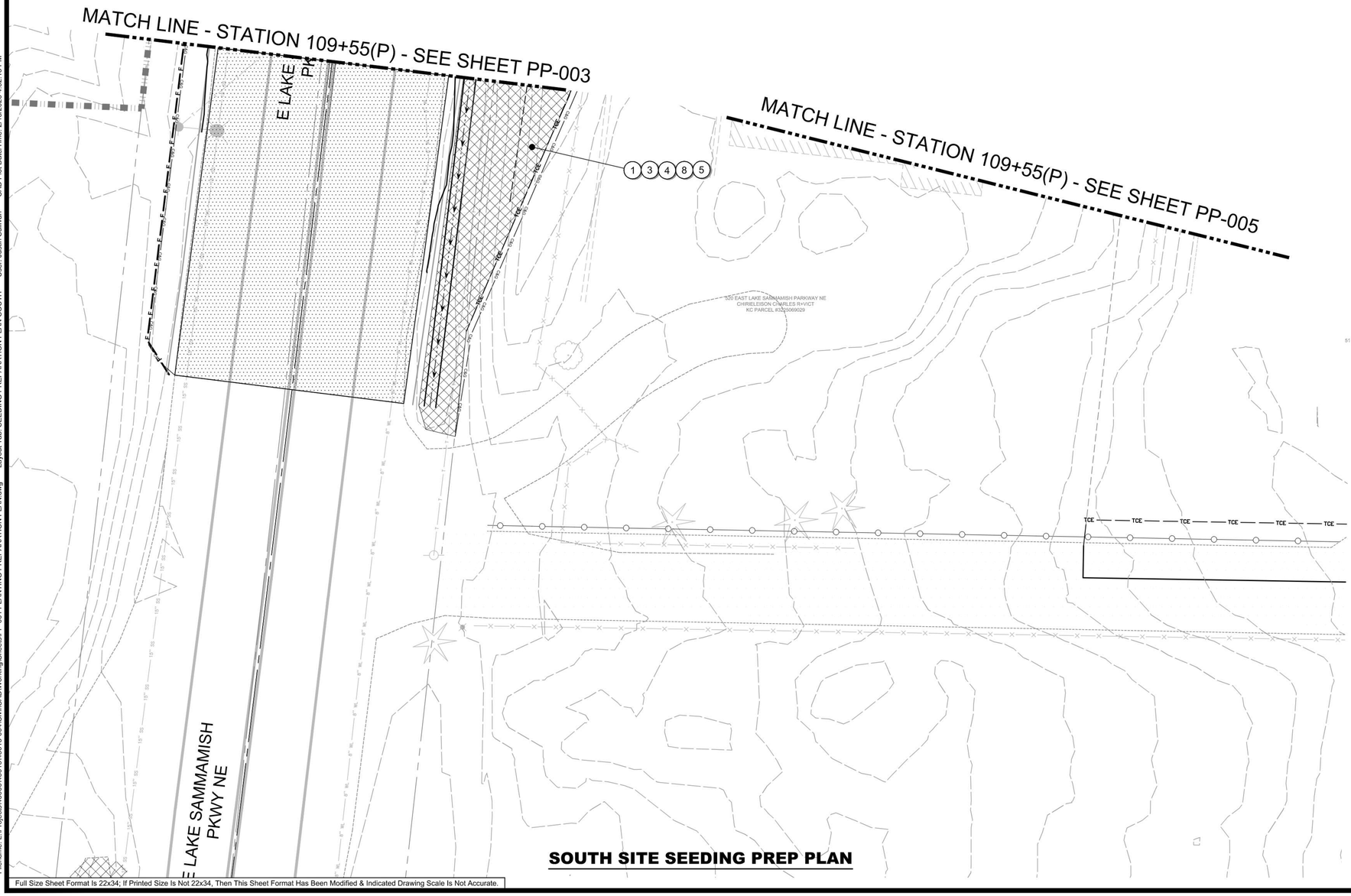
SHEET ID
PP-006
SHEET 99 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\PP-001 PLANTING PREPARATION PLAN.dwg Layout Tab: SEEDING PREPARATION PLAN-DAM User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:52:09 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

Scale 1" = 10'

0 5 10 20



SOIL PREPARATION NOTES:

1. SEEDING AREA PREPARATION. AREAS SHALL BE WEED FREE AND BARE CONDITION. BRING AREAS TO A UNIFORM DEPTH WITH LONGITUDINAL DEPRESSIONS. DECOMPACT AREAS WITHIN OLD PAVING AREAS TO 8" DEPTH TO ALLOW FREE DRAINAGE.
2. PLANTING AREA PREPARATION. AREAS SHALL BE WEED FREE AND BARE CONDITION. DECOMPACT THE PLANTING HOLE TO A DEPTH OF 18" TO ALLOW FREE DRAINAGE.
3. 8" DEPTH TOPSOIL TYPE 'A' PER STANDARD SPECIFICATIONS 8-02.3(4)A. DEPTH SHALL BE MEASURED AFTER SETTLING FOR 5 DAYS. ADDITIONAL QUANTITY NEEDED SHALL BE AT NO COST TO THE CONTRACTING AGENCY.
4. 3" DEPTH FINE COMPOST. SEE STANDARD SPECIFICATION 8-02.3(6)A.
5. APPLY BIODEGRADABLE EROSION CONTROL BLANKET PER BLANKET DETAIL ON SHEET P-001. SEE STANDARD SPECIFICATIONS 9-14.6(2) AND 9-14.6(2)A, B, C.
6. SEEDING, FERTILIZER AND MULCHING - SITE RIPARIAN PER STANDARD SPECIFICATIONS 8-02-3(9) AND SPECIAL PROVISIONS.
7. SEEDING, FERTILIZER AND MULCHING - SITE NATIVE STREAM PER STANDARD SPECIFICATIONS 8-02-3(9) AND SPECIAL PROVISIONS.
8. SEEDING, FERTILIZER AND MULCHING - SITE ROADSIDE PER STANDARD SPECIFICATIONS 8-02-3(9) AND SPECIAL PROVISIONS.

HATCH LEGEND

- SEEDING, MULCHING, AND FERTILIZING -SITE ROADSIDE
- SEEDING, MULCHING, AND FERTILIZING - SITE RIPARIAN
- SEEDING, MULCHING, AND FERTILIZING -STREAM BANK STABILIZATION

SOUTH SITE SEEDING PREP PLAN

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

SEEDING PREPARATION PLAN-SOUTH FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
A SITE LOCATED IN THE CITY OF SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

STATE OF WASHINGTON
REBECCA J WAHLSTROM
NO. 1741 EXP. 06/23/2027
LANDSCAPE ARCHITECT
02/16/2026

DESIGNED: JJM
CHECKED: RWP
NOVEMBER 2025
45015-004

SHEET ID
PP-007
SHEET 100 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\PP-001 PLANTING PREPARATION PLAN.dwg Layout Tab: SEEDING PREPARATION PLAN-SOUTH User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:52:13 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

PLANT LIST

BID ITEM	SYMBOL	NAME	SIZE	CONDITION	SPACING	QTY
UPLAND BUFFER MIX						
PSIPE, UPLAND BUFFER MIX		*Sambucus racemosa* Red Elderberry	1 Gallon	Container	Planted between 15+ feet from the stream centerline (approx.). 3' on-center (Triangular Spacing) Randomly Mixed (5,660 sf)	145 (20%)
		Symphoricarpus albus Snowberry	1 Gallon	Container		145 (20%)
		Polystichum minutum Western Swordfern	1 Gallon	Container		72 (10%)
		Acer circinatum Vine Maple	1 Gallon	Container		72 (10%)
		Rubus parviflorus Thimbleberry	1 Gallon	Container		72 (10%)
		Rosa nutkana Nootka Rose	1 Gallon	Container		72 (10%)
		Corylus cornuta Beaked Hazelnut	1 Gallon	Container		72 (10%)
		Oemleria cerasiformis Indian Plum	1 Gallon	Container		72 (10%)
		Acer macrophyllum Big Leaf Maple	6' Min Height		As Shown	1
		Pseudotsuga menziesii Douglas Fir	6' Min Height		As Shown	6
STREAMBANK MIX						
PSIPE, STREAMBANK MIX		*Lonicera involucrata* Black Twinberry	1 Gallon	Container	Planted 10 feet-20+ feet from the stream centerline (approx.). 3' on-center (Triangular Spacing) Randomly Mixed (7,550 sf)	241 (25%)
		Rosa nutkana Nootka Rose	1 Gallon	Container		241 (25%)
		Symphoricarpus albus Snowberry	1 Gallon	Container		145 (15%)
		Rubus spectabilis Salmonberry	1 Gallon	Container		145 (15%)
		Cornus sericea Red-Osier Dogwood	1 Gallon	Container		96 (10%)
		Spiraea douglasii Douglas Spiraea	1 Gallon	Container		48 (5%)
		Physocarpus capitatus Pacific Ninebark	1 Gallon	Container		48 (5%)
		Malus fusca Crabapple	6' Min Height		As Shown	8
LIVE STAKE MIX						
PSIPE, LIVE STAKE MIX		*Salix sitchensis* Sitka Willow	36" Min. Length	Live Stake	Planted approx.as shown from the stream centerline. 4'-5' on-center (11,660 SF)	248 (33%)
		Cornus sericea Red-Osier Dogwood	36" Min. Length	Live Stake		248 (33%)
		Salix lasiandra Pacific Willow	36" Min. Length	Live Stake		248 (33%)

GENERAL NOTES:

1. REFER TO CIVIL ENGINEER'S DRAWINGS FOR PROPOSED UTILITY INFORMATION; INCLUDING STORM DRAIN, SEWER, WATER, ELECTRICAL, GAS, TELEPHONE AND CABLE. REFER TO STRUCTURAL ENGINEERS DRAWINGS FOR WALL AND FOOTING INFORMATION.
2. REFER TO AGENCY STANDARD PLANS AND SPECIFICATIONS WHERE APPLICABLE.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATING OF EXISTING UNDERGROUND UTILITIES, PIPES AND STRUCTURES. CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR ALL DAMAGES CAUSED AS A RESULT OF THEIR WORK.
4. CONTRACTOR SHALL NOT WILLFULLY PROCEED WITH CONSTRUCTION AS DESIGNED WHEN IT IS OBVIOUS THAT OBSTRUCTIONS, AREA DISCREPANCIES AND/OR GRADE DIFFERENCE EXIST THAT MAY NOT HAVE BEEN KNOWN DURING DESIGN. SUCH CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATIONS.

PLANTING NOTES:

1. VERIFY LOCATIONS OF ALL PERTINENT SITE IMPROVEMENTS UNDER OTHER SECTIONS. IF ANY PART OF THIS PLAN CANNOT BE FOLLOWED DUE TO SITE CONDITIONS, CONTACT THE LANDSCAPE ARCHITECT OR PROJECT REPRESENTATIVE FOR INSTRUCTION PRIOR TO COMMENCING WORK.
2. PRIOR TO INSTALLATION, CONTRACTOR SHALL PREPARE ALL SEEDING AND PLANTING AREAS ACCORDING TO THESE PLANS, DETAILS, SPECIFICATIONS AND THE SPECIAL PROVISIONS.
3. ALL PLANT MATERIAL SHALL BE NURSERY GROWN STOCK AND BE ADEQUATELY CLIMATIZED TO THE REGION AND FOLLOW STANDARDS OF ANSI Z60, AMERICAN STANDARD NURSERY STOCK (ASNS), AS UPDATED AND FOLLOW STANDARD SPECIFICATIONS 9-14.7 AND THE SPECIAL PROVISIONS.
4. NO PLANT MATERIAL SHALL BE PLANTED UNTIL IT HAS BEEN INSPECTED AND APPROVED FOR PLANTING BY THE LANDSCAPE ARCHITECT OR PROJECT REPRESENTATIVE.
5. PLANT MATERIAL SHALL BE STORED AND HANDLED PER SECTION 9-14.7(3).
6. PLANT MATERIAL SHALL BE INSTALLED PER SECTION 8-02.3(8)B.
7. DO NOT MAKE SUBSTITUTIONS. IF SPECIFIED PLANTING MATERIAL IS NOT OBTAINABLE, SUBMIT PROOF OF NON-AVAILABILITY FROM AT LEAST THREE (3) SOURCES TO THE OWNER'S AUTHORIZED REPRESENTATIVE OR LANDSCAPE ARCHITECT WITH AT LEAST FIVE (5) PROPOSED SUBSTITUTION FOR EQUIVALENT MATERIAL FOR FINAL APPROVAL.
8. CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT OR PROJECT REPRESENTATIVE FOR PLANT MATERIAL INSPECTION 3 DAYS PRIOR TO INSTALLATION.
9. CONTRACTOR SHALL REPAIR OR REPLACE ANY EXISTING LANDSCAPE AFFECTED BY CONSTRUCTION TO IT'S ORIGINAL CONDITION. CONTACT LANDSCAPE ARCHITECT IF ANY AREAS NOT ORIGINALLY LANDSCAPED, BECOME LANDSCAPE.
10. SEE PLANTING DETAILS AND SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS.

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

LANDSCAPE LEGEND AND NOTES FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
A SITE LOCATED IN THE CITY OF SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

STATE OF WASHINGTON
REBECCA J WAHLSTROM
No. 1141 EXP. 06/23/2027
LANDSCAPE ARCHITECT
02/16/2026

DESIGNED: JJM
CHECKED: RWP
NOVEMBER 2025
45015-004

SHEET ID
L-101
SHEET 101 OF 108

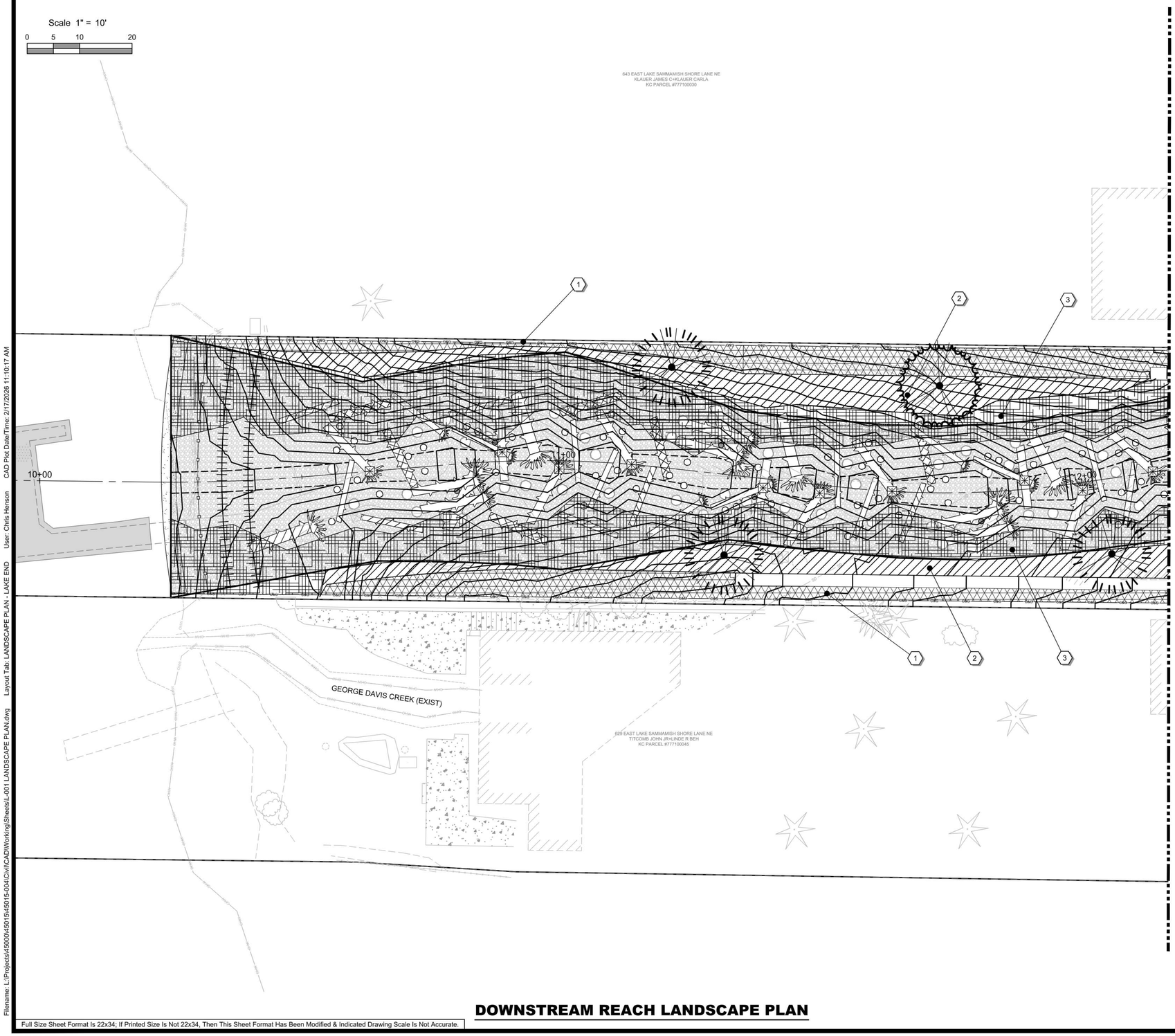
Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\WorkingSheets\L-001 LANDSCAPE PLAN.dwg Layout Tab: LANDSCAPE LEGEND AND NOTES User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:52:43 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA

Scale 1" = 10'

0 5 10 20



PLANTING NOTES:

1. PSIPE - UPLAND BUFFER MIX PER STANDARD SPECIFICATION 8-02.3(8) AND SPECIAL PROVISIONS
2. PSIPE - STREAMBANK MIX PER STANDARD SPECIFICATION 8-02.3(8) AND SPECIAL PROVISIONS
3. PSIPE - LIVE STAKE MIX PER STANDARD SPECIFICATION 8-02.3(8) AND SPECIAL PROVISIONS

HATCH LEGEND:

LIVE STAKE MIX (LSM)

STREAMBANK MIX (SBM)

UPLAND BUFFER MIX (UBM)

PLANTING NOTES:
WITHIN STREAM BANK LIVE STAKE INSTALLATION, ADJUST LOCATIONS OF LIVE STAKES PLANTING IN FIELD TO WORK AROUND PLACED LARGE WOODY MATERIAL, SLASH AND OTHER FISH STREAM HABITAT PIECES. AT LEAST 10% OF THE LIVE STAKE MIX SHALL BE INSTALLED DIAGONALLY PROJECTING INTO AND ACROSS THE STREAM CHANNEL. DENSER SPACING MAY BE REQUIRED TO ACCOMMODATE FIELD ADJUSTMENTS. PLANT SPECIES LOCATIONS MAY BE ADJUSTED IN FIELD BASED ON RECOMMENDATIONS OF THE STREAM ENGINEER OR LANDSCAPE ARCHITECT.

DOWNSTREAM REACH LANDSCAPE PLAN

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX

LANDSCAPE PLAN - LAKE END FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
A SITE LOCATED IN THE CITY OF SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

STATE OF WASHINGTON
REBECCA J WAHLSTROM
NO. 1141 EXP. 06/23/2027
LANDSCAPE ARCHITECT
02/16/2026

DESIGNED: JJM
CHECKED: RWP
NOVEMBER 2025
45015-004

SHEET ID
L-102
SHEET 102 OF 108

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\L-001 LANDSCAPE PLAN.dwg Layout Tab: LANDSCAPE PLAN - LAKE END User: Chris Henson CAD Plot Date/Time: 2/17/2026 11:10:17 AM

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA

Scale 1" = 10'

0 5 10 20

E LAKE SAMMAMISH SHORE LN NE

E LAKE SAMMAMISH TRAIL

MATCH LINE - STATION 12+16 - SEE SHEET L-102

MATCH LINE - STATION 15+10 - SEE SHEET L-104

MATCH LINE - STATION 15+10 - SEE SHEET L-107

KING COUNTY TRAIL PROJECT
SEE COUNTY PLANS (VOLUME 2)

PARCEL
077710-0045

SEE SEEDING PREPARATION PLANS

NE 7TH CT

SAMMAMISH WY NE

105+00

0+00

13+00

14+00

104+00

ABANDONED

PLANTING NOTES:

1. PSIPE - UPLAND BUFFER MIX PER STANDARD SPECIFICATION 8-02.3(8) AND SPECIAL PROVISIONS
2. PSIPE - STREAMBANK MIX PER STANDARD SPECIFICATION 8-02.3(8) AND SPECIAL PROVISIONS
3. PSIPE - LIVE STAKE MIX PER STANDARD SPECIFICATION 8-02.3(8) AND SPECIAL PROVISIONS

HATCH LEGEND:

LIVE STAKE MIX (LSM)

STREAMBANK MIX (SBM)

UPLAND BUFFER MIX (UBM)

PLANTING NOTES:
WITHIN STREAM BANK LIVE STAKE INSTALLATION, ADJUST LOCATIONS OF LIVE STAKES PLANTING IN FIELD TO WORK AROUND PLACED LARGE WOODY MATERIAL, SLASH AND OTHER FISH STREAM HABITAT PIECES. AT LEAST 10% OF THE LIVE STAKE MIX SHALL BE INSTALLED DIAGONALLY PROJECTING INTO AND ACROSS THE STREAM CHANNEL. DENSER SPACING MAY BE REQUIRED TO ACCOMMODATE FIELD ADJUSTMENTS. PLANT SPECIES LOCATIONS MAY BE ADJUSTED IN FIELD BASED ON RECOMMENDATIONS OF THE STREAM ENGINEER OR LANDSCAPE ARCHITECT.

ELSP CROSSING REACH LANDSCAPE PLAN

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

LANDSCAPE PLAN - BRIDGE FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
A SITE LOCATED IN THE CITY OF SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

STATE OF WASHINGTON
REBECCA J WAHLSTROM
NO. 1141 EXP. 06/23/2027
LANDSCAPE ARCHITECT
02/16/2026

DESIGNED: JJM
CHECKED: RWP
NOVEMBER 2025
45015-004

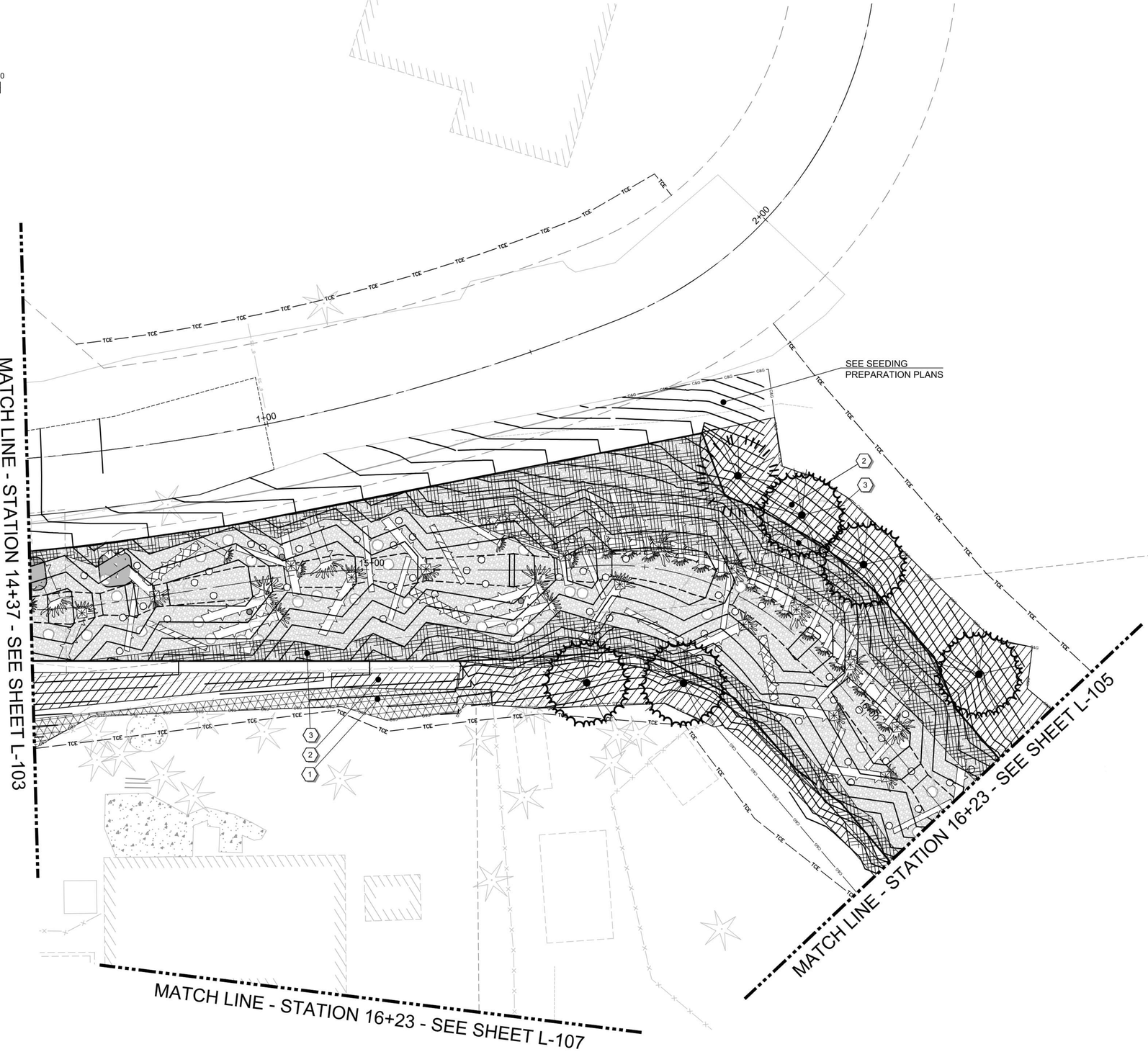
SHEET ID
L-103
SHEET 103 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\L-001 LANDSCAPE PLAN.dwg Layout Tab: LANDSCAPE PLAN - BRIDGE User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:52:52 PM

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA

Scale 1" = 10'

0 5 10 20



PLANTING NOTES:

1. PSIPE - UPLAND BUFFER MIX PER STANDARD SPECIFICATION 8-02.3(8) AND SPECIAL PROVISIONS
2. PSIPE - STREAMBANK MIX PER STANDARD SPECIFICATION 8-02.3(8) AND SPECIAL PROVISIONS
3. PSIPE - LIVE STAKE MIX PER STANDARD SPECIFICATION 8-02.3(8) AND SPECIAL PROVISIONS

HATCH LEGEND:

LIVE STAKE MIX (LSM)

STREAMBANK MIX (SBM)

UPLAND BUFFER MIX (UBM)

PLANTING NOTES:
WITHIN STREAM BANK LIVE STAKE INSTALLATION, ADJUST LOCATIONS OF LIVE STAKES PLANTING IN FIELD TO WORK AROUND PLACED LARGE WOODY MATERIAL, SLASH AND OTHER FISH STREAM HABITAT PIECES. AT LEAST 10% OF THE LIVE STAKE MIX SHALL BE INSTALLED DIAGONALLY PROJECTING INTO AND ACROSS THE STREAM CHANNEL. DENSER SPACING MAY BE REQUIRED TO ACCOMMODATE FIELD ADJUSTMENTS. PLANT SPECIES LOCATIONS MAY BE ADJUSTED IN FIELD BASED ON RECOMMENDATIONS OF THE STREAM ENGINEER OR LANDSCAPE ARCHITECT.

LOWER UPSTREAM REACH LANDSCAPE PLAN

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

LANDSCAPE PLAN - EAST BRIDGE FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
A SITE LOCATED IN THE CITY OF SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

STATE OF WASHINGTON
REBECCA J WAHLSTROM
LANDSCAPE ARCHITECT
NO. 1141, EXP. 06/23/2027
02/16/2026

DESIGNED: JJM
CHECKED: RWP
NOVEMBER 2025
45015-004

SHEET ID
L-104
SHEET 104 OF 108

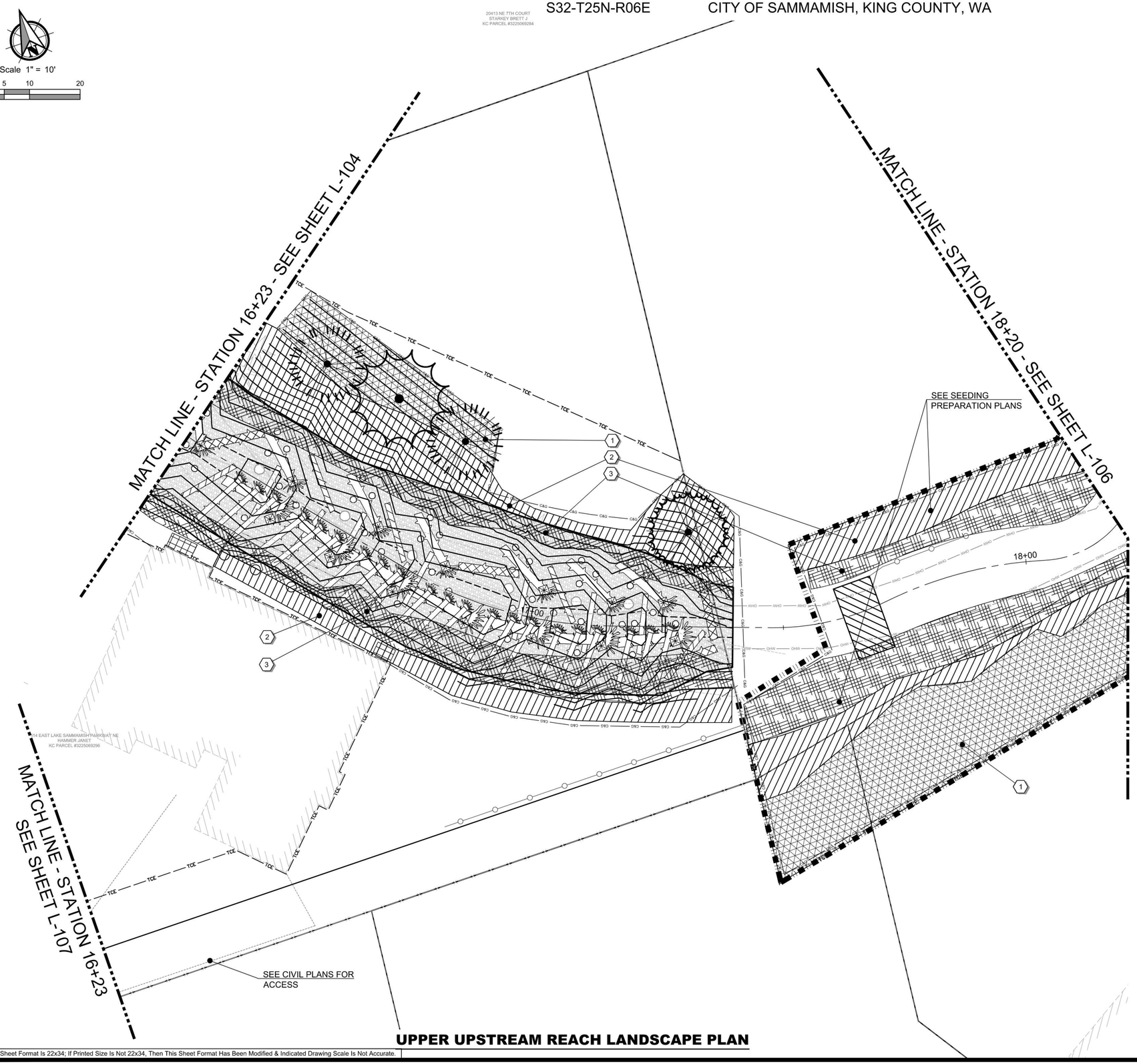
Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\L-001 LANDSCAPE PLAN.dwg Layout Tab: LANDSCAPE PLAN - EAST BRIDGE User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:52:56 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA

Scale 1" = 10'

0 5 10 20



PLANTING NOTES:

1. PSIPE - UPLAND BUFFER MIX PER STANDARD SPECIFICATION 8-02.3(8) AND SPECIAL PROVISIONS
2. PSIPE - STREAMBANK MIX PER STANDARD SPECIFICATION 8-02.3(8) AND SPECIAL PROVISIONS
3. PSIPE - LIVE STAKE MIX PER STANDARD SPECIFICATION 8-02.3(8) AND SPECIAL PROVISIONS

HATCH LEGEND:

LIVE STAKE MIX (LSM)

STREAMBANK MIX (SBM)

UPLAND BUFFER MIX (UBM)

PLANTING NOTES:
WITHIN STREAM BANK LIVE STAKE INSTALLATION, ADJUST LOCATIONS OF LIVE STAKES PLANTING IN FIELD TO WORK AROUND PLACED LARGE WOODY MATERIAL, SLASH AND OTHER FISH STREAM HABITAT PIECES. AT LEAST 10% OF THE LIVE STAKE MIX SHALL BE INSTALLED DIAGONALLY PROJECTING INTO AND ACROSS THE STREAM CHANNEL. DENSER SPACING MAY BE REQUIRED TO ACCOMMODATE FIELD ADJUSTMENTS. PLANT SPECIES LOCATIONS MAY BE ADJUSTED IN FIELD BASED ON RECOMMENDATIONS OF THE STREAM ENGINEER OR LANDSCAPE ARCHITECT.

UPPER UPSTREAM REACH LANDSCAPE PLAN

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

LANDSCAPE PLAN - EAST END FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
A SITE LOCATED IN THE CITY OF SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

STATE OF WASHINGTON
REBECCA J WAHLSTROM
NO. 1741 EXP. 06/23/2027
LANDSCAPE ARCHITECT
02/16/2026

DESIGNED: JJM
CHECKED: RWP
NOVEMBER 2025
45015-004

SHEET ID
L-105
SHEET 105 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\L-001 LANDSCAPE PLAN.dwg Layout Tab: LANDSCAPE PLAN - EAST END User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:53:01 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA

Scale 1" = 10'

0 5 10 20

PLANTING NOTES:

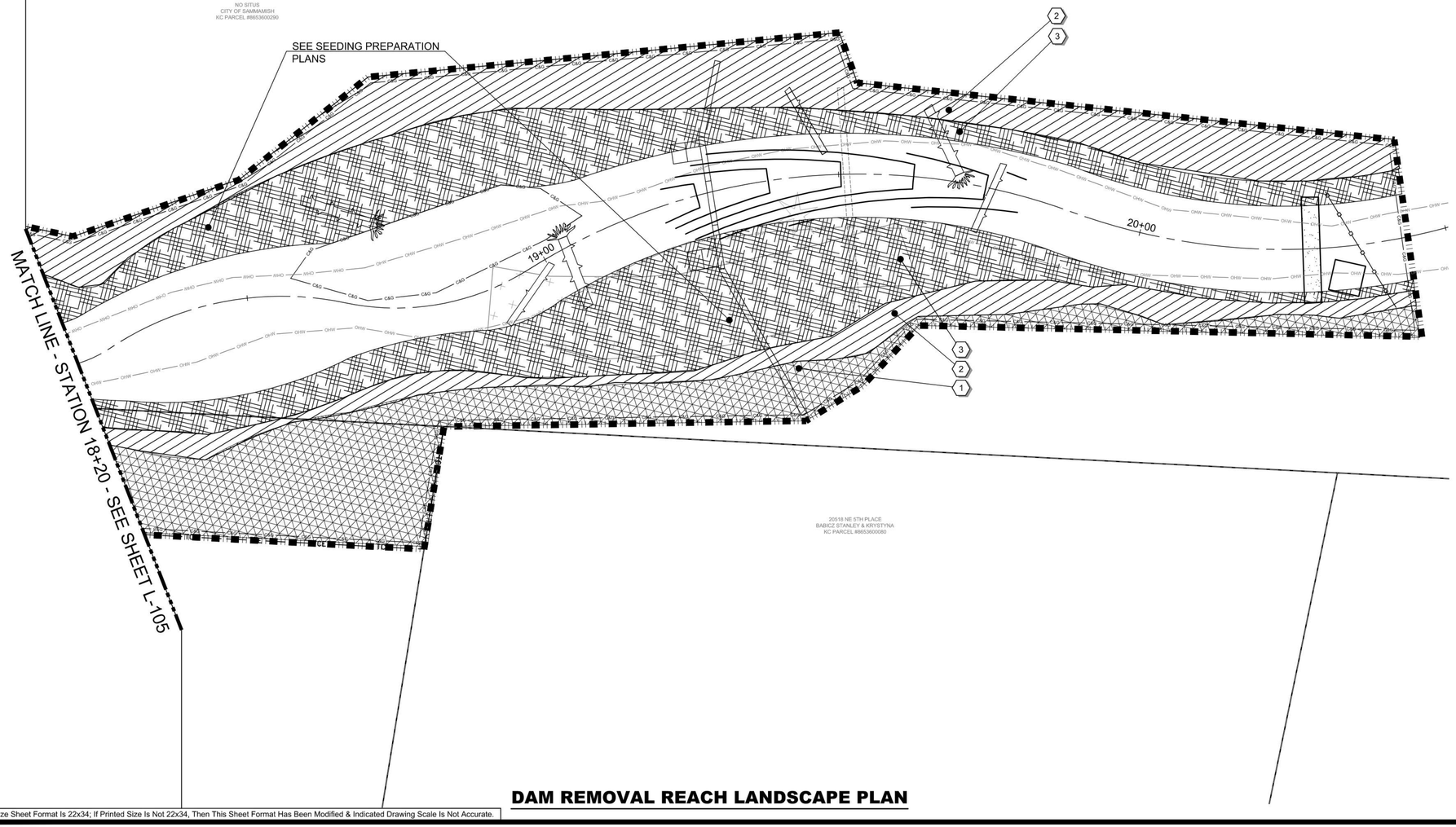
1. PSIPE - UPLAND BUFFER MIX PER STANDARD SPECIFICATION 8-02.3(8) AND SPECIAL PROVISIONS
2. PSIPE - STREAMBANK MIX PER STANDARD SPECIFICATION 8-02.3(8) AND SPECIAL PROVISIONS
3. PSIPE - LIVE STAKE MIX PER STANDARD SPECIFICATION 8-02.3(8) AND SPECIAL PROVISIONS

HATCH LEGEND:

LIVE STAKE MIX (LSM)

STREAMBANK MIX (SBM)

UPLAND BUFFER MIX (UBM)



DAM REMOVAL REACH LANDSCAPE PLAN

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

LANDSCAPE PLAN - DAM FOR:

GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT

A SITE LOCATED IN THE CITY OF SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

STATE OF WASHINGTON
REBECCA J WAHLSTROM
LICENSED LANDSCAPE ARCHITECT
NO. 1461, EXP. 06/23/2027
02/16/2026

DESIGNED: JJM
CHECKED: RWP
NOVEMBER 2025
45015-004

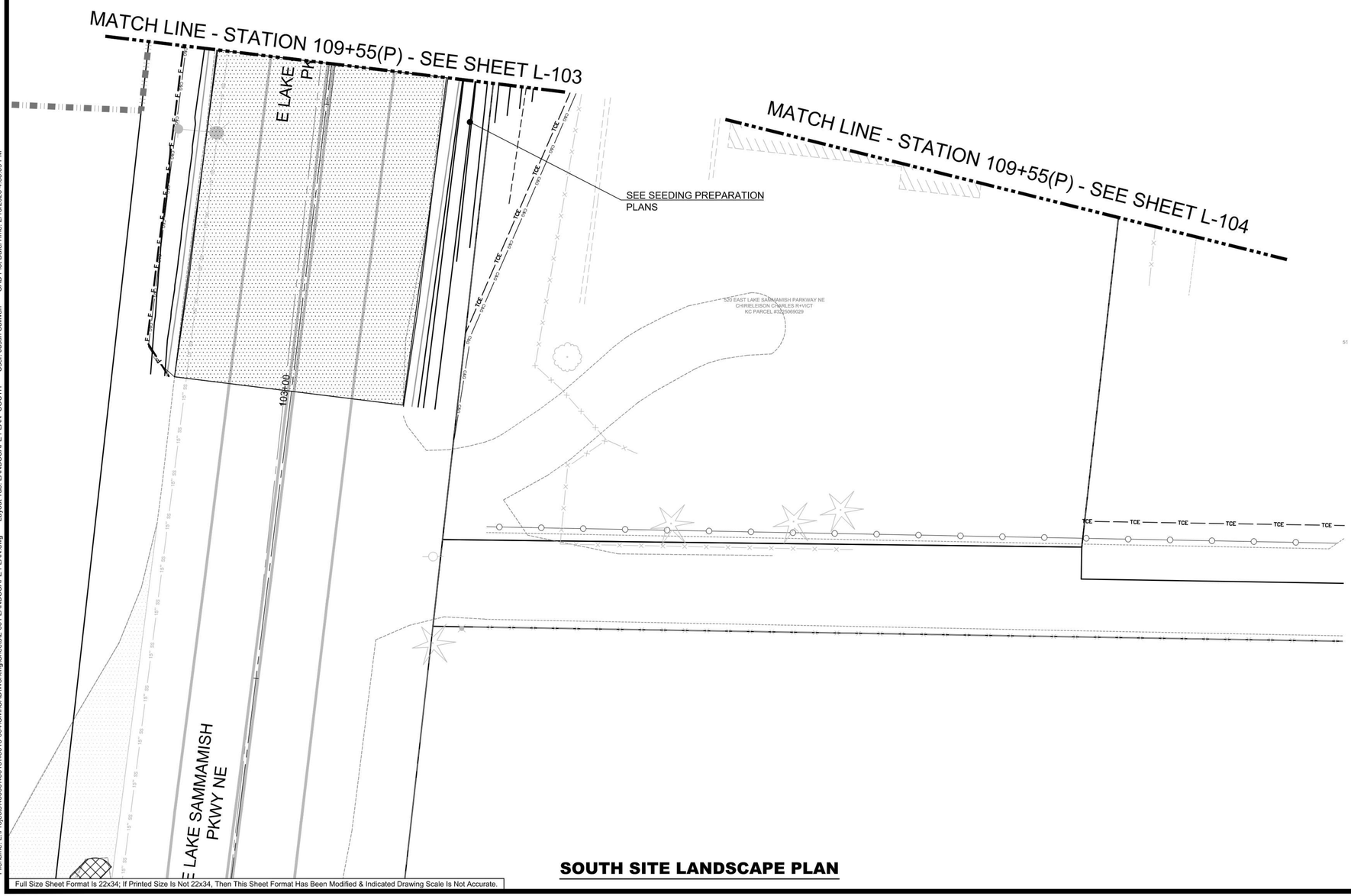
SHEET ID
L-106
SHEET 106 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\L-001 LANDSCAPE PLAN.dwg Layout Tab: LANDSCAPE PLAN - DAM User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:53:05 PM

S32-T25N-R06E CITY OF SAMMAMISH, KING COUNTY, WA

Scale 1" = 10'

0 5 10 20



SOUTH SITE LANDSCAPE PLAN

Conformed Set

No.	Revision	Date	By	App'd

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\L-001 LANDSCAPE PLAN.dwg Layout Tab: LANDSCAPE PLAN- SOUTH User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:53:09 PM

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

LANDSCAPE PLAN- SOUTH FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
A SITE LOCATED IN THE CITY OF SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

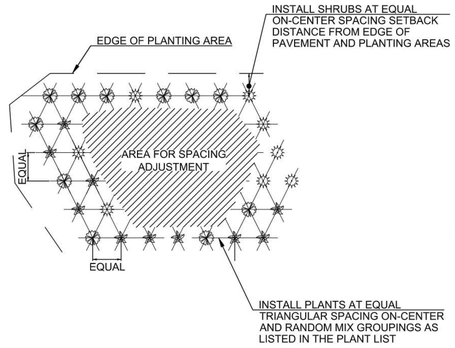
STATE OF WASHINGTON
REBECCA J WAHLSTROM
No. 1141 EXP. 06/12/2027
LANDSCAPE ARCHITECT
02/16/2026

DESIGNED: JJM
CHECKED: RWP
NOVEMBER 2025
45015-004

SHEET ID
L-107
SHEET 107 OF 108

Native Restoration Spacing Detail

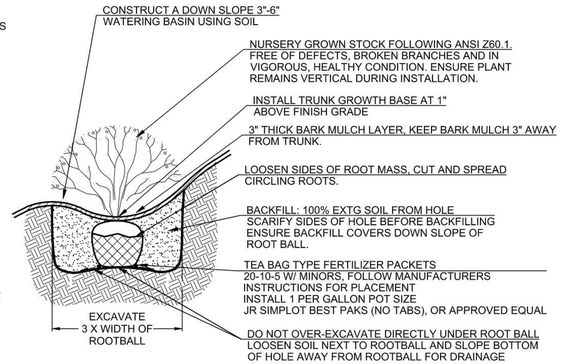
NOT TO SCALE



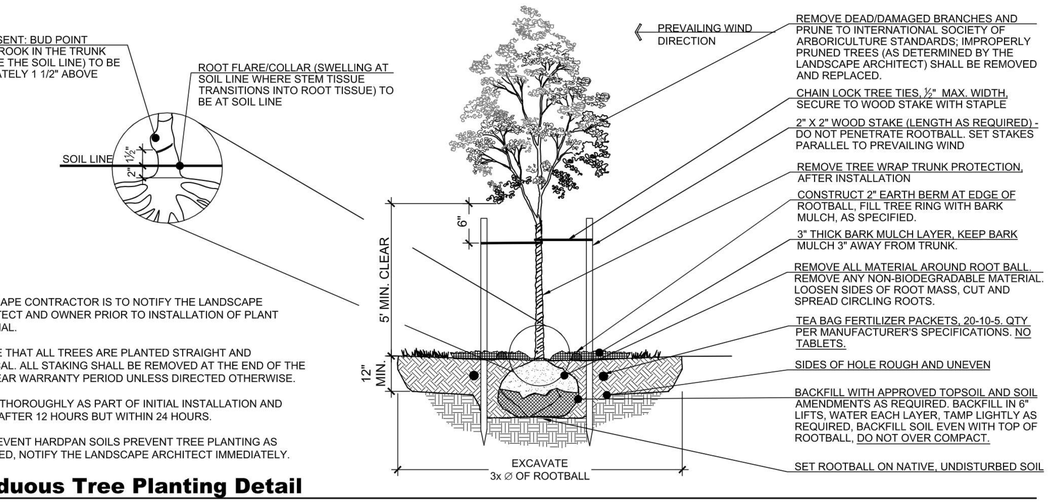
NOTE:
MAINTAIN THE OUTSIDE SETBACK DISTANCE THROUGHOUT ENTIRE PLANTING AREA, USING THE CENTER AREA FOR QUANTITY ADJUSTMENT.

Planting on Slope Detail

NOT TO SCALE



NOTE: THOROUGHLY WATER ENTIRE ROOTBALL REGARDLESS OF SEASON.



NOTES:
1. LANDSCAPE CONTRACTOR IS TO NOTIFY THE LANDSCAPE ARCHITECT AND OWNER PRIOR TO INSTALLATION OF PLANT MATERIAL.
2. ENSURE THAT ALL TREES ARE PLANTED STRAIGHT AND VERTICAL. ALL STAKING SHALL BE REMOVED AT THE END OF THE ONE YEAR WARRANTY PERIOD UNLESS DIRECTED OTHERWISE.
3. WATER THOROUGHLY AS PART OF INITIAL INSTALLATION AND AGAIN AFTER 12 HOURS BUT WITHIN 24 HOURS.
4. IN THE EVENT HARDPAN SOILS PREVENT TREE PLANTING AS DETAILED, NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY.

Conifer Tree Planting Detail

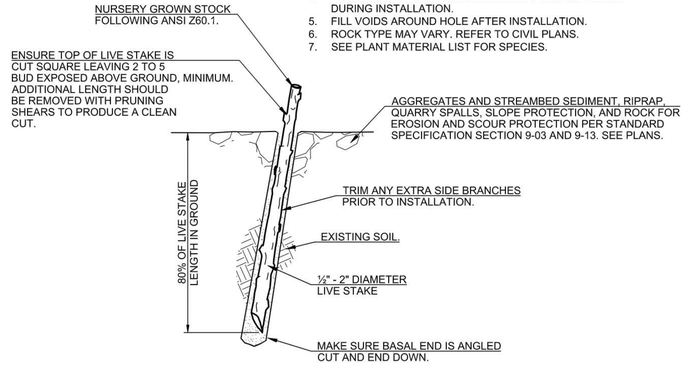
NOT TO SCALE

NOTES:
1. LANDSCAPE CONTRACTOR IS TO NOTIFY THE LANDSCAPE ARCHITECT AND OWNER PRIOR TO INSTALLATION OF PLANT MATERIAL.
2. ENSURE THAT ALL TREES ARE PLANTED STRAIGHT AND VERTICAL. ALL STAKING SHALL BE REMOVED AT THE END OF THE ONE YEAR WARRANTY PERIOD UNLESS DIRECTED OTHERWISE.
3. WATER THOROUGHLY AS PART OF INITIAL INSTALLATION AND AGAIN AFTER 12 HOURS BUT WITHIN 24 HOURS.
4. IN THE EVENT HARDPAN SOILS PREVENT TREE PLANTING AS DETAILED, NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY.

Deciduous Tree Planting Detail

NOT TO SCALE

NOTES:
1. SEE STANDARD SPECIFICATION SECTIONS 8-02.3(8) AND 9-14.7.
2. PRE-PILOT HOLE WITH REBAR OR STAR DRILL NO GREATER THAN 1/2" IN SIZE.
3. INSTALL LIVE STAKES USING HANDS. DO NOT HAMMER DIRECTLY ON THE LIVE STAKE.
4. AVOID STRIPPING BARK OR BRUISING PLANT MATERIAL DURING INSTALLATION.
5. FILL VOIDS AROUND HOLE AFTER INSTALLATION.
6. ROCK TYPE MAY VARY. REFER TO CIVIL PLANS.
7. SEE PLANT MATERIAL LIST FOR SPECIES.



Live Stake Detail in Rock (WSDOT H-10.15-01)

NOT TO SCALE

Conformed Set

No.	Revision	Date	By	App'd

Apex Companies
22833 SE Black Nugget Road
Suite 140
Issaquah, WA 98029
425.654.8775
apexcos.com

APEX®

LANDSCAPE DETAILS FOR:
GEORGE DAVIS CREEK FISH PASSAGE AND STORM IMPROVEMENT PROJECT
A SITE LOCATED IN THE CITY OF SAMMAMISH, WASHINGTON

811 Know what's below. Call before you dig.

STATE OF WASHINGTON
REBECCA J WAHLSTROM
NO. 1841 EXP. 06/12/2027
LANDSCAPE ARCHITECT
02/16/2026

DESIGNED: JJM
CHECKED: RWP
NOVEMBER 2025
45015-004

SHEET ID
L-108
SHEET 108 OF 108

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\L-001 LANDSCAPE PLAN.dwg Layout Tab: LANDSCAPE DETAILS User: Justin Sullivan CAD Plot Date/Time: 2/13/2026 4:53:11 PM

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.