BID SET

CONFLUENCE PARK PHASE 2 - ISSAQUAH CREEK RESTORATION

ISSAQUAH CREEK AND EAST FORK RESTORATION DESIGN

CITY OF ISSAQUAH

PROJECT LOCATION

SOURCE: BING MAPS, 2010

NORTH

0 500 1000

SCALE IN FEET

DRAWING INDEX

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10	C-2	GRADING/RESTORATION PLAN - EAST FORK ISSAQUAH CREEK
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19	C-11	LOG STRUCTURE PLAN AND SECTION DETAILS
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21	L-1	PLANTING PLAN - ISSAQUAH CREEK AND NORTH OXBOW
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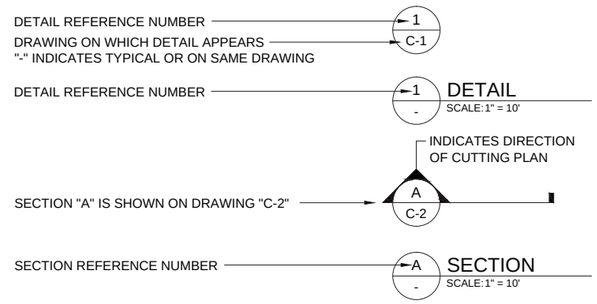
25	I-1	IRRIGATION PLAN - ISSAQUAH CREEK AND NORTH OXBOW
26	I-2	IRRIGATION PLAN - EAST FORK ISSAQUAH CREEK
27	I-3	IRRIGATION DETAILS AND NOTES

DETAIL AND SECTION REFERENCING



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AT FULL SIZE. IF NOT ONE INCH SCALE ACCORDINGLY

BID SET

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Oct 18, 2013 4:35pm tgriga

ANCHOR QEA

CITY OF ISSAQUAH WASHINGTON

GERALD A. BIBEE — STATE OF WASHINGTON — 24332 — REGISTERED PROFESSIONAL ENGINEER
10-18-13

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

DESIGNED BY: D. RICE
DRAWN BY: T. GRIGA
CHECKED BY: J. BIBEE / P.HUMMEL
APPROVED BY: P. HUMMEL
SCALE: AS NOTED
DATE: OCTOBER 2013

CONFLUENCE PARK PHASE 2 - ISSAQUAH CREEK RESTORATION

COVER SHEET

G-1

SHEET NO. 1 OF 27

SURVEY NOTES:

1. SURVEY FOR CITY OF ISSAQUAH, PARKS AND RECREATION DEPARTMENT BY EASTSIDE CONSULTANTS, INC IN MAY 2009. ADDITIONAL CREEK AND WETLAND INFORMATION PROVIDED BY ANCHOR QEA ON MARCH 30, 2012.
2. SECTION 28, TOWNSHIP 24N, RANGE 6E, W.M.
3. THE PURPOSE OF THIS SURVEY IS TO PROVIDE A TOPOGRAPHIC SURVEY AS WELL AS ASCERTAIN THE BOUNDARIES FOR THE PARCELS AS DESCRIBED HEREON PER OUR EXISTING CONTRACT WITH THE CITY OF ISSAQUAH. A RECORD OF SURVEY WILL BE PREPARED AT A LATER DATE SHOWING MORE BOUNDARY RELATED DETAIL AS WELL AS CONTROLLING MONUMENTATION.
4. THE HORIZONTAL DATUM FOR THIS SURVEY IS THE WASHINGTON STATE PLANE COORDINATE SYSTEM, NORTH ZONE, N.A.D. 83/91 AND THE VERTICAL DATUM FOR THIS SURVEY IS NAVD 88. FIELD TIES WHERE MADE TO KING COUNTY SURVEY CONTROL MONUMENTS. ALL DISTANCES ARE BASED ON A COMBINED GRID SCALE FACTOR OF 0.99999323.
5. FIELD WORK WAS DONE IN MARCH AND APRIL OF 2009 USING TRIMBLE 4400 SERIES GPS RECEIVERS (RTK METHOD) AND A SOKIA SET, TWO SECOND TOTAL STATION WITH RESULTING CLOSURES EXCEEDING THE MINIMUM ACCURACY STANDARDS AS ESTABLISHED BY W.A.C. 332-130. ADDITIONAL FIELD WORK WAS DONE ALONG ISSAQUAH CREEK IN MARCH OF 2012.
6. UNDERGROUND UTILITY LOCATES WERE PROVIDED BY THE CITY OF ISSAQUAH.
7. THE WETLANDS AS SHOWN HEREON WERE LOCATED BY THE CITY OF ISSAQUAH WETLAND BIOLOGIST.
8. REFERENCE IS MADE TO THE FOLLOWING SURVEYS WHICH WERE USED TO CALCULATE AND/OR ASCERTAIN THE BOUNDARY AS SHOWN HEREON:
   RECORD OF SURVEY AS RECORDED IN BOOK 18 OF SURVEYS, PAGE 93.
   RECORD OF SURVEY AS RECORDED IN BOOK 75 OF SURVEYS, PAGE 128.
   RECORD OF SURVEY AS RECORDED IN BOOK 52 OF SURVEYS, PAGE 70.
   RECORD OF SURVEY AS RECORDED IN BOOK 44 OF SURVEYS, PAGE 24.
   RECORD OF SURVEY AS RECORDED IN BOOK 192 OF SURVEYS, PAGE 30-31.
   RECORD OF SURVEY AS RECORDED IN BOOK 97 OF SURVEYS, PAGE 7.
   RECORD OF SURVEY AS RECORDED IN BOOK 143 OF SURVEYS, PAGE 217-218.
   PLAT OF BELSHAYE AT ISSAQUAH RECORDING NO. 20080623000755.

SURVEYOR:

EASTSIDE CONSULTANTS, INC
1320 NW MALL STREET, SUITE B
ISSAQUAH, WASHINGTON 98027
P: (425) 392-5351
F: (425) 392-4676
CONTACT: ROBERT BOGDON

TEMPORARY BENCHMARKS:

TBM #1 = CITY OF ISSAQUAH MONUMENT
EL=73.25' LOCATED WITH IN THE FLOOD WAY AND ON PARCEL A.

TBM #2 = CITY OF ISSAQUAH MONUMENT
EL=80.66' LOCATED NORTH OF EXIST BARN AND ON PARCEL H.

TBM #3 = CITY OF ISSAQUAH MONUMENT
EL=71.52' LOCATED AT NW CORNER OF PROJECT

TBM #4 = FOUND PK NAIL AND WASHER
EL=78.81' AT NE CORNER OF PARCEL B

TBM #5 = CITY OF ISSAQUAH MONUMENT LOCATED
EL=87.49' AT TOP OF BANK N. OF EAST FORK OF ISSAQUAH CREEK ALONG RAINIER BLVD N.

TBM #6 = CITY OF ISSAQUAH MONUMENT LOCATED AT
EL=82.72' TOP OF BANK S. OF EAST FORK OF ISSAQUAH CREEK W. SIDE OF 1ST AVE NW

TBM #7 = REBAR & CAP LS#33487 LOCATED
EL=79.64' AT SW CORNER OF PARCEL J

FLOOD INFORMATION:

FLOOD INFORMATION PER FEMA FLOOD INSURANCE MAP NUMBER 53033C0691H. REVISED BY LOMR MARCH 26, 2007.

ZONE X = AREA'S OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD.

ZONE AE = 1% ANNUAL CHANCE FLOOD, BASE FLOOD ELEVATIONS DETERMINED

GENERAL NOTES:

1. ALL WORK SHALL BE IN CONFORMANCE WITH EXISTING LABOR LAWS, SAFETY REQUIREMENTS, AND OTHER REGULATIONS, AS REQUIRED BY THE CITY OF ISSAQUAH, THE STATE OF WASHINGTON, THE FEDERAL GOVERNMENT, AND THE OWNER. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND IS NOT LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGAURDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS, AND ANY OTHER PRACTICES NEEDED TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF THE WORK COVERED BY THE CONTRACT.
2. CONTRACT DOCUMENTS SHALL REFER TO THE APPROVED DRAWINGS, BIDDING REQUIREMENTS, AND THE SIGNED CONTRACT WITH THE CITY OF ISSAQUAH.
3. EXCEPT AS OTHERWISE NOTED HEREIN, ALL MATERIAL AND WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, CITY OF ISSAQUAH STANDARDS, THE WSDOT/APWA "STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION" (LATEST EDITION), OTHER APPLICABLE STANDARDS, AND ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
4. THE CONTRACTOR SHALL HAVE COPIES OF THE APPROVED CONTRACT DOCUMENTS AND THE WSDOT/APWA "STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION" (LATEST EDITION) ON THE JOBSITE AT ALL TIMES.
5. THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO CONSTRUCTION AND SHALL BE RESPONSIBLE FOR VERIFYING FIELD CONDITIONS AND DIMENSIONS AND CONFIRMING THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THESE DRAWINGS. ANY DISCREPANCIES BETWEEN THE EXISTING FIELD CONDITIONS AND DIMENSIONS SHOWN ON THE CONTRACT DOCUMENTS AND THOSE OBSERVED BY THE CONTRACTOR SHALL BE BROUGHT TO THE ATTENTION OF THE CITY OF ISSAQUAH PRIOR TO PROCEEDING WITH CONSTRUCTION.
6. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK INCLUDED IN THE CONTRACT DOCUMENTS.
7. A PRE-CONSTRUCTION MEETING BETWEEN THE CONTRACTOR, THE OWNER, AND THE CITY'S REPRESENTATIVE SHALL BE REQUIRED PRIOR TO ANY ON-SITE WORK.
8. THE CONTRACTOR SHALL MAKE ALL NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, ROADWAYS, DRAINAGE WAYS, CULVERTS, AND VEGETATION UNTIL SUCH ITEMS ARE TO BE DISTURBED OR REMOVED AS INDICATED ON THE CONTRACT DOCUMENTS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF PROPERTY IN AND AROUND THE PROJECT AREA. ITEMS AFFECTED BY CONSTRUCTION ACTIVITIES SHALL BE REPAIRED OR REPLACED FOLLOWING CONSTRUCTION.
10. THE CONTRACTOR SHALL RECEIVE, IN WRITING FROM THE CITY, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
11. THE NOTES, DETAILS, AND SPECIFICATIONS ON THE CONTRACT DOCUMENTS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES.
12. DIMENSION CALL-OUTS SHALL TAKE PRECEDENCE OVER SCALES SHOWN ON THE DRAWINGS.
13. THE CONTRACTOR SHALL MAINTAIN HAND DRAWN REDLINES, FIELD NOTES AND PHOTOGRAPHS ("FIELD DOCUMENTATION") OF ALL IMPROVEMENTS OR VARIATIONS AS THE WORK PROGRESSES. THE CONTRACTOR'S FIELD DOCUMENTATION SHALL BE MAINTAINED ON-SITE AND SHALL BE AVAILABLE FOR REVIEW BY THE CITY'S REPRESENTATIVE AT ALL TIMES. THE CONTRACTOR SHALL PROVIDE FIELD DOCUMENTATION TO THE CITY'S REPRESENTATIVE FOR PREPARATION OF RECORD DRAWINGS PRIOR TO PROJECT ACCEPTANCE.
14. THE PROJECT SHALL BE CONSTRUCTED TO MEET ALL PROVISIONS OF APPLICABLE PERMITS.
15. THE CONTRACTOR SHALL PROVIDE TEMPORARY CUT SLOPES AND TEMPORARY SHORING AS NECESSARY TO COMPLETE THE WORK. THE STABILITY OF ALL TEMPORARY SLOPES AND SHORING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

GENERAL UTILITY NOTES:

1. THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND ARE BASED ON SURVEY INFORMATION AND AS-BUILT INFORMATION PROVIDED BY THE CITY OF ISSAQUAH. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD LOCATING ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CALL THE UTILITY LOCATION REQUEST CENTER (ONE-CALL CENTER) AT 1-800-424-5555 (OR 811) FOR UTILITY LOCATIONS NOT LESS THAN TWO (2) BUSINESS DAYS BEFORE THE SCHEDULED DATE FOR TRENCHING OR EARTHWORK THAT MAY IMPACT EXISTING UTILITIES.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE CONDITION OF ALL ABANDONED UTILITIES THAT INTERFERE WITH THE WORK PRIOR TO DISTURBANCE OR MODIFICATION. THE CONTRACTOR SHALL WORK WITH THE CITY OF ISSAQUAH TO CONFIRM THAT UTILITIES HAVE BEEN ABANDONED AND TO DETERMINE WHAT ACTION SHOULD BE TAKEN. ONLY AFTER WRITTEN APPROVAL HAS BEEN RECEIVED FROM THE CITY, MAY THE CONTRACTOR TAKE ACTION.
3. THE SIZE AND TYPE OF BURIED UTILITIES EXPOSED OR MODIFIED BY THE CONTRACTOR SHALL BE ACCURATELY NOTED AND SHOWN ON THE CONTRACTOR'S FIELD DOCUMENTATION (SEE GENERAL CONSTRUCTION NOTE 13 ABOVE FOR ADDITIONAL REQUIREMENTS).

ABBREVIATIONS

ABB.	TERM
ABB	ABBREVIATION
AQ	ANCHOR QEA, LLC.
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
BC	BANK CLUSTER
BEC	BACKWATER ENTRANCE CLUSTER
BLP	BANK LOG PAIR
BWSEL	BASE WATER SURFACE ELEVATION
CDF	CONTROLLED DENSITY FILL
CSTC	CRUSHED SURFACING TOP COURSE
CSBC	CRUSHED SURFACING BASE COURSE
CFS	CUBIC FEET PER SECOND
CONC	CONCRETE
CONT	CONTINUED
CP	CONTROL POINT (AS IN SURVEY)
CY	CUBIC YARD
DBH	DIAMETER AT BREAST HEIGHT
DI	DUCTILE IRON
DIA	DIAMETER
DIV	DIVERSION
EA	EACH
EL or ELEV	ELEVATION
EX	EXISTING
FEMA	FEDERAL EMERGENCY MANAGEMENT AGENCY
FG	FINISHED GRADE
FT	FOOT OR FEET, FALLEN TREE
GALV	GALVANIZED
HDPE	HIGH DENSITY POLYETHYLENE
IE	INVERT ELEVATION
IN	INCH OR INCHES
LWD	LARGE WOODY DEBRIS
LS	LUMP SUM
MAX	MAXIMUM
MIN	MINIMUM
NAD	NORTH AMERICAN DATUM
NAVD	NORTH AMERICAN VERTICAL DATUM
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OHW	ORDINARY HIGH WATER
PBC	PROJECTING BANK CLUSTER
PC	POINT OF CURVATURE
PE	PROFESSIONAL ENGINEER
PK	PROPERTY CORNER
PRC	POINT OF RETURN CURVE
PSL	POOL SCOUR LOG
PT	POINT OF TANGENT
PVC	POLYVINYL CHLORIDE
QRTR	QUARTER
QTY	QUANTITY
RCB	REINFORCED CONCRETE BOX
R-O-W	RIGHT-OF-WAY
RT	ROCK TRENCH
S	SLOPE
SD	STORM DRAIN
SS	SANITARY SEWER
SF	SQUARE FOOT OR FEET
SO	SOUTH
SPEC	SPECIFICATION
SSMH	SANITARY SEWER MANHOLE

ABBREVIATIONS

ABB.	TERM
STA	STATION
STRUCT	STRUCTURE
SWSEL	SURVEYED WATER SURFACE ELEVATION
STA	STATION
STRUCT	STRUCTURE
SWSEL	SURVEYED WATER SURFACE ELEVATION
SY	SQUARE YARD
TBD	TO BE DETERMINED
TBM	TEMPORARY BENCHMARK
TBP	THE BERGER PARTNERSHIP
TC	TRIANGULAR CLUSTER
TH	THALWEG
TYP	TYPICAL
USACE	U.S. ARMY CORPS OF ENGINEERS
WSDOT	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
WSEL	WATER SURFACE ELEVATION

SURVEY LEGEND:

- ◉ = SET 2" STANDARD CITY OF ISSAQUAH ALUMINUM CAP W/ P.L.S. #33487 & 5/8 REBAR OR A PLASTIC CAP W/ P.L.S. #33487 & 5/8 REBAR.
- ◎ = FOUND SURVEY MARKER AS SHOWN
- = BENCHMARK
- = STREET SIGN
- ⊗ = MANHOLE (STORM, SEWER, TELEPHONE, WATER)
- CB □ = CATCH BASIN
- = WATER VALVE
- WM ▫ = WATER METER
- = FIRE HYDRANT
- MB ▫ = MAIL BOX
- ——D—— = STORM DRAIN LINE
- ——S—— = SEWER LINE
- ——G—— = GAS MAIN
- = GAS VALVE
- ——W—— = WATER MAIN
- = DECIDUOUS
- = CONIFEROUS TREE
- = POWER POLE
- = GUY ANCHOR
- = LIGHT POLE
- PV □ = POWER VAULT
- UTB □ = UTILITY BOX
- TEL ▫ = TELEPHONE PEDESTAL
- TEL = TELEPHONE POLE
- ——E—— = UNDERGROUND ELECTRIC/ POWER
- ——P—— = OVERHEAD ELECTRIC/ POWER
- ——T—— = OVERHEAD TELEPHONE
- ——C—— = UNDERGROUND COMMUNICATIONS (TEL, FIBER OPTIC, TV)
- = GAS VALVE
- = GATE
- ——X—— = FENCE LINE
- 9015 = TAX PARCEL NUMBER
- BO = BLOW OFF OR STAND PIPE

ONE INCH
AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

BID SET

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Oct 18, 2013 4:35pm tgriga

ANCHOR QEA

CITY OF ISSAQUAH WASHINGTON

GERALD A. BIBEE — STATE OF WASHINGTON — 24332 — REGISTERED PROFESSIONAL ENGINEER
10-18-13

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

DESIGNED BY: N/A
DRAWN BY: T. GRIGA
CHECKED BY: J. BIBEE / P.HUMMEL
APPROVED BY: P. HUMMEL
SCALE: AS NOTED
DATE: OCTOBER 2013

CONFLUENCE PARK PHASE 2 - ISSAQUAH CREEK RESTORATION

GENERAL NOTES, SURVEY NOTES AND LEGEND

G-2

SHEET NO. 2 OF 27

C-1/L-1

C-2/L-2

NOTES:

1. SURVEY BY EASTSIDE CONSULTANTS, INC IN MAY 2009. SEE DRAWING G-2 FOR SURVEY NOTES AND LEGEND.
2. PHASE 1 DESIGN INFORMATION PROVIDED BY THE BERGER PARTNERSHIP PROVIDED NOVEMBER 2012.
3. HORIZONTAL DATUM: WASHINGTON STATE PLANE NORTH ZONE, NAD 83/91 US. FEET.
4. VERTICAL DATUM: NAVD88
5. ORDINARY HIGH WATER LIMITS (OHW), WETLAND BOUNDARY, AND 100 FOOT STREAM BUFFER ADDED TO SURVEY DATA BY ANCHOR QEA.
6. PHASE 1 WORK COMPLETED PREVIOUSLY UNDER SEPARATE CONTRACT. THE CONTRACTOR SHALL AVOID AND PROTECT WORK COMPLETED AS PART OF PHASE 1, UNLESS OTHERWISE SHOWN ON THESE DRAWINGS OR APPROVED BY THE OWNER.

LEGEND:

- EXISTING ROCK RIP RAP
- 100 YEAR FLOODPLAIN
- ORDINARY HIGH WATER LIMIT
- 100 FT STREAM BUFFER
- WETLAND BOUNDARY
- LIMIT OF PHASE 1 WORK, NOT PART OF PROJECT (SEE NOTE 6)
- ●AQTP2 TEST PIT LOCATION (ANCHOR QEA, 4/12/12)

NORTH

0 40 80

SCALE IN FEET

"X-1" & "X-2" ARE LOCATIONS FOR SUBSEQUENT SHEET BOUNDARIES SHOWING SITE AT MORE DETAILED SCALE

BID SET

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

ANCHOR QEA

CITY OF ISSAQUAH WASHINGTON

GERALD A. BIBEE STATE OF WASHINGTON 24332 REGISTERED PROFESSIONAL ENGINEER 10-18-13

REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

DESIGNED BY: N/A
DRAWN BY: T. GRIGA/EASTSIDE SURVEYORS
CHECKED BY: J. BIBEE / P. HUMMEL
APPROVED BY: P. HUMMEL
SCALE: AS NOTED
DATE: OCTOBER 2013

CONFLUENCE PARK PHASE 2 - ISSAQUAH CREEK RESTORATION

EXISTING CONDITIONS PLAN

G-3

SHEET NO. 3 OF 27

Oct 18, 2013 4:35pm tgriga K:\Projects\0883-City of Issaquah\Confluence Park - Phase 2\Construction Plans\0883-G-Exist.dwg 3 G-3

NOTES:

1. SEE DRAWING G-2 FOR SURVEY NOTES AND LEGEND.
2. HORIZONTAL DATUM: WASHINGTON STATE PLANE NORTH ZONE, NAD 83/91 US. FEET. VERTICAL DATUM: NAVD88.
3. ALL TRUCKS WITHIN THE CITY SHALL BE OPERATED ONLY OVER AND ALONG THE TRUCK ROUTES ESTABLISHED IN CHAPTER 10.36 OF THE ISSAQUAH MUNICIPAL CODE; TRUCK ROUTES MAP IS AVAILABLE ON THE CITY WEBSITE. THE CONTRACTOR SHALL RESTRICT TRUCK ACCESS TO APPROVED TRUCK ROUTES PER MAP FOUND AT http://issaquahwa.gov/DocumentCenter/View/1045
4. THE CONTRACTOR SHALL PREPARE AND SUBMIT FOR ENGINEER APPROVAL A REFINED PLAN FOR ACCESS AND STAGING THAT GENERALLY FOLLOWS THIS PLAN.
5. THE CONTRACTOR MAY SUBMIT REQUESTS FOR ADDITIONAL STAGING AND STOCKPILE LOCATIONS SUBJECT TO ENGINEER APPROVAL.
6. ACCESS TO EAST FORK THROUGH CITY OF ISSAQUAH MAINTENANCE YARD SHALL BE APPROVED BY THE CITY'S PROJECT MANAGER AND SCHEDULED WITH CITY MAINTENANCE PERSONNEL TO MINIMIZE INTERRUPTIONS TO MAINTENANCE FACILITY ACCESS AND OPERATIONS.
7. FLAG PROPOSED LWD INSTALLATION ACCESS ROUTES FOR ENGINEER'S APPROVAL PRIOR TO ANY VEGETATION DISTURBANCE OR REMOVAL. MINIMIZE DISTURBANCE TO EXISTING VEGETATION.

BID SET

ONE INCH
AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

ANCHOR QEA

CITY OF ISSAQUAH WASHINGTON

GERALD A. BIBEE — STATE OF WASHINGTON — 24332 — REGISTERED PROFESSIONAL ENGINEER
10-18-13

REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

DESIGNED BY: D. CISAKOWSKI
DRAWN BY: T. GRIGA
CHECKED BY: J. BIBEE / P.HUMMEL
APPROVED BY: P. HUMMEL
SCALE: AS NOTED
DATE: OCTOBER 2013

CONFLUENCE PARK PHASE 2 - ISSAQUAH CREEK RESTORATION

ACCESS AND STAGING SITE PLAN

G-4

SHEET NO. 4 OF 27

Oct 18, 2013 4:36pm tgriga K:\Projects\0883-City of Issaquah\Confluence Park - Phase 2\Construction Plans\0883-C-Access.dwg G-4

CONTROL POINT TABLE (TEMPORARY BENCHMARKS)		
#	NORTHING	EASTING
1	198235.43	1342180.15
2	197792.55	1342654.86
5	197786.10	1342940.34
6	197611.07	1342827.99
7	197496.46	1341925.71

CONTROL POINT TABLE (PROPOSED THALWEG)			
#	NORTHING	EASTING	DESC
201	197665.30	1342435.16	PC
202	197665.51	1342505.57	PRC
203	197667.05	1342556.33	PRC
204	197660.43	1342606.90	PRC
205	197646.64	1342650.81	PRC
206	197625.86	1342703.70	PRC
207	197616.66	1342758.67	PRC
208	197649.49	1342831.39	PRC
209	197723.22	1342867.27	PCC
210	197751.45	1342943.71	PT
211	197749.36	1342955.16	END

CONTROL POINT TABLE (GRADING)			
#	NORTHING	EASTING	DESC
400	197886.41	1341976.25	FG
401	197923.76	1341986.95	FG
402	197980.93	1342003.33	OHW
403	197956.27	1342358.34	TOB
404	197963.07	1342363.97	TOB
405	197987.68	1342384.77	TOB
406	197993.11	1342389.36	TOE
407	198017.41	1342409.90	TOE
408	197881.33	1342413.74	TOB
409	197890.08	1342447.64	TOE
410	197742.07	1342349.72	OHW
411	197722.00	1342414.78	EX
412	197734.91	1342448.36	TOE
413	197680.05	1342398.41	TOB
414	197695.44	1342409.56	TOB

CONTROL POINT TABLE (GRADING)			
#	NORTHING	EASTING	DESC
415	197627.03	1342386.85	FG
416	197639.18	1342439.66	FG
417	197706.88	1342467.31	TOE
418	197640.56	1342530.61	TOE
419	197694.44	1342523.69	TOE
420	197605.32	1342687.70	TOE
421	197663.16	1342693.39	TOE
422	197620.17	1342832.15	TOE
423	197639.30	1342808.13	TOB
424	197663.94	1342776.99	TOB
425	197668.63	1342771.03	TOE
426	197680.05	1342756.86	TOE
427	197733.23	1342891.61	TOE
428	197763.63	1342872.95	TOE

CONTROL POINT TABLE (PROJECT LIMITS)				CONTROL POINT TABLE (PROJECT LIMITS)		
#	NORTHING	EASTING		#	NORTHING	EASTING
100	197866.65	1342944.68		130	197898.26	1342048.85
101	197818.30	1342940.16		131	197896.15	1342009.33
102	197738.39	1342960.50		132	197873.86	1341987.32
103	197731.98	1342890.19		133	197866.04	1341967.05
104	197610.80	1342818.59		134	197871.54	1341953.44
105	197587.92	1342798.37		135	197905.24	1341955.70
106	197577.05	1342671.13		136	197932.17	1341901.03
107	197602.89	1342540.39		137	197973.33	1341899.25
108	197597.24	1342373.56		138	197956.63	1341910.80
109	197600.81	1342321.04		139	197930.74	1341965.52
110	197619.07	1342321.23		140	197933.07	1341991.37
111	197647.50	1342293.49		141	197985.19	1342035.01
112	197692.44	1342280.98		142	198004.29	1342083.27
113	197755.61	1342303.39		143	198029.79	1342071.23
114	197797.90	1342242.87		144	198139.61	1342095.69
115	197858.91	1342202.07		145	198116.20	1342146.66
116	197858.74	1342193.28		146	198069.58	1342204.52
117	197872.39	1342185.12		147	198104.82	1342239.29
118	197882.65	1342189.76		148	198111.02	1342329.86
119	197917.09	1342172.31		149	198120.56	1342380.47
120	197917.69	1342150.82		150	198126.30	1342412.31
121	197876.20	1342153.83		151	198117.57	1342463.43
122	197859.66	1342143.80		152	198098.39	1342486.79
123	197837.90	1342140.71		153	198171.56	1342510.98
124	197833.09	1342146.18		154	198245.38	1342486.30
125	197821.08	1342129.87		155	198337.23	1342447.45
126	197828.67	1342128.36		156	198360.22	1342443.23
127	197830.77	1342109.13		157	198378.06	1342420.40
128	197863.13	1342084.87		158	198374.13	1342575.48
129	197906.43	1342083.20		159	198315.60	1342559.92

CONTROL POINT TABLE (GRADING LIMITS)				CONTROL POINT TABLE (GRADING LIMITS)		
#	NORTHING	EASTING		#	NORTHING	EASTING
300	197874.28	1341961.32		332	197737.43	1342545.15
301	197912.55	1341970.22		333	197732.01	1342560.44
302	197929.91	1341975.19		334	197713.22	1342568.38
303	197908.00	1341999.85		335	197698.97	1342631.75
304	197891.76	1342000.35		336	197678.11	1342686.80
305	197877.32	1341988.89		337	197708.23	1342768.72
306	197886.41	1341976.25		338	197752.75	1342824.80
307	197929.12	1342094.10		339	197783.09	1342941.12
308	197926.84	1342108.13		340	197613.60	1342816.74
309	197931.12	1342138.25		341	197589.99	1342796.38
310	197898.38	1342148.19		342	197586.73	1342713.23
311	197871.53	1342149.70		343	197603.79	1342635.22
312	197859.92	1342140.19		344	197613.89	1342614.56
313	197823.02	1342133.57		345	197621.65	1342546.93
314	197834.52	1342111.19		346	197615.96	1342484.73
315	197864.69	1342088.70		347	197628.46	1342453.64
316	197994.92	1342241.60		348	197623.61	1342431.49
317	198016.94	1342240.70		349	197622.35	1342417.08
318	198036.98	1342249.48		350	197612.47	1342386.38
319	198056.61	1342235.36		351	197642.05	1342385.72
320	198081.59	1342236.72		352	197670.86	1342394.45
321	198074.49	1342255.67		353	197703.00	1342393.05
322	198060.13	1342281.95		354	197713.95	1342403.99
323	198044.41	1342336.94		355	197701.81	1342423.79
324	198026.48	1342407.70		356	197735.77	1342428.15
325	197974.86	1342437.33		357	197777.01	1342427.49
326	197920.05	1342455.67		358	197814.56	1342417.48
327	197878.49	1342466.49		359	197829.35	1342424.24
328	197784.34	1342458.25		360	197853.56	1342421.69
329	197731.61	1342476.28		361	197902.55	1342404.16
330	197713.18	1342534.61		362	197955.19	1342356.78
331	197725.01	1342532.87		363	197992.59	1342306.14

CONTROL POINT TABLE (LWD & RT)					CONTROL POINT TABLE (LWD & RT)			
#	NORTHING	EASTING	LWD TYPE		#	NORTHING	EASTING	LWD TYPE
500	197901.77	1341971.71	BLP		557	197635.45	1342454.67	FT
501	197908.04	1341973.71	BLP		558	197647.85	1342467.92	TC
502	197925.83	1342007.32	BEC		559	197661.15	1342473.10	PSL
503	197918.93	1342008.36	BEC		560	197695.45	1342454.29	FT
504	197967.55	1342048.28	PBC		561	197678.15	1342492.14	FT
505	197969.75	1342055.86	PBC		562	197639.76	1342517.15	FT
506	197945.36	1342107.00	PBC		563	197681.18	1342531.51	TC
507	197946.43	1342116.36	PBC		564	197696.80	1342546.92	FT
508	197981.56	1342151.94	PBC		565	197652.75	1342579.31	TC
509	197984.24	1342158.51	PBC		566	197664.93	1342586.50	PSL
510	197946.47	1342220.13	PBC		567	197682.63	1342611.53	FT
511	197943.68	1342227.83	PBC		568	197626.59	1342623.36	FT
512	198007.52	1342093.63	FT		569	197662.98	1342642.29	TC
513	198022.25	1342085.15	FT		570	197620.52	1342687.05	TC
514	198086.69	1342092.59	FT		571	197632.88	1342693.89	PSL
515	198104.22	1342098.81	TC		572	197652.71	1342703.62	FT
516	198097.08	1342157.29	FT		573	197665.21	1342725.04	FT
517	198064.07	1342198.35	FT		574	197601.24	1342729.30	FT
518	198035.69	1342222.74	FT		575	197629.75	1342735.84	TC
519	198058.22	1342267.19	FT		576	197652.35	1342744.35	FT
520	198005.52	1342264.85	FT		577	197609.53	1342757.69	BPL
521	198020.52	1342325.04	FT		578	197607.55	1342762.25	BPL
522	197986.12	1342293.22	PBC		579	197604.19	1342797.87	BC
523	197984.56	1342299.31	PBC		580	197608.73	1342811.17	BC
524	197927.63	1342317.40	PBC		581	197626.09	1342806.36	PSL
525	197924.96	1342323.50	PBC		582	197622.89	1342826.02	BPL
526	198043.08	1342349.89	FT		583	197626.90	1342828.76	BPL
527	198015.30	1342383.38	FT		584	197680.75	1342811.83	FT
528	198000.37	1342419.57	FT		585	197662.91	1342823.48	BC
529	197957.51	1342410.65	FT		586	197673.24	1342826.15	BC
530	197939.17	1342376.89	BC		587	197730.41	1342809.95	FT
531	197931.65	1342384.17	BC		588	197709.48	1342826.69	FT
532	197920.56	1342421.83	FT		589	197703.49	1342846.66	TC
533	197903.58	1342399.17	PBC		590	197701.36	1342860.75	PSL
534	197895.83	1342403.45	PBC		591	197731.41	1342883.04	BPL
535	197888.62	1342447.18	FT		592	197734.12	1342887.05	BPL
536	197862.00	1342434.15	FT		593	197744.16	1342878.89	TC
537	197870.15	1342381.22	PBC		594	197769.18	1342907.81	FT
538	197859.09	1342381.54	PBC		595	197758.72	1342932.04	TC
539	197816.54	1342411.99	PBC		596	197746.11	1342935.71	PSL
540	197805.14	1342410.53	PBC		597	198116.22	1342310.03	RT
541	197820.48	1342429.28	FT		598	198055.13	1342423.83	RT
542	197759.43	1342361.68	PBC		599	198039.75	1342441.14	RT
543	197752.04	1342359.35	PBC		600	197967.19	1342490.68	RT
544	197605.80	1342337.41	PBC		601	197727.54	1342664.56	RT
545	197613.40	1342337.72	PBC		602	197722.42	1342702.00	RT
546	197626.16	1342383.69	PBC		603	197722.66	1342719.70	RT
547	197633.76	1342384.24	PBC		604	197731.00	1342745.07	RT
548	197681.85	1342382.27	BEC		605	197752.33	1342761.13	RT
549	197680.61	1342385.36	BEC		606	197778.76	1342769.46	RT
550	197686.69	1342417.81	BLP		607	197806.81	1342789.19	RT
551	197683.27	1342422.16	BLP		608	197653.18	1342460.64	EFP
552	197662.47	1342421.53	BC		609	197657.35	1342576.29	EFP
553	197656.70	1342429.52	BC		610	197625.14	1342681.94	EFP
554	197653.13	1342418.32	42" LOG		611	197612.92	1342801.89	EFP
555	197619.82	1342424.76	42" LOG		612	197696.01	1342847.44	EFP
556	197649.27	1342429.16	FT		613	197754.18	1342926.38	EFP

NOTES:

1. SEE DRAWING G-2 FOR SURVEY NOTES, LEGEND AND TEMPORARY BENCHMARK INFORMATION. SEE LWD PLACEMENT DETAILS ON DRAWINGS C-11 AND C-12 FOR LWD COORDINATE LOCATIONS.
2. HORIZONTAL DATUM: WASHINGTON STATE PLANE NORTH ZONE, NAD 83/91 US. FEET.
3. VERTICAL DATUM: NAVD88

BC = BANK/BENCH CLUSTER
BEC = BACKWATER ENTRANCE CLUSTER
BLP = BANK LOG PAIR
EFP = EAST FORK POOL
FT = FALLEN TREE
PBC = PROJECTING BANK CLUSTER
PSL = POOL SCOUR LOG
RT = ROCK TRENCH (STREAM SIDE)
TC = TRIANGULAR CLUSTER

LEGEND:

- PROJECT LIMIT
- LIMIT OF PHASE 1 WORK, NOT PART OF PROJECT
- GRADING LIMITS
- CONTROL POINT
- ORDINARY HIGH WATER LIMIT
- GRADE BREAK
- CROSS SECTION (SEE DWG C-1 TO C-8)

NORTH

0 50 100

SCALE IN FEET

BID SET

AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

ONE INCH

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Oct 18, 2013 4:41pm tgriga

ANCHOR QEA

CITY OF ISSAQUAH WASHINGTON

GERALD A. BIBEE — STATE OF WASHINGTON — 24332 — REGISTERED PROFESSIONAL ENGINEER

10-18-13

REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

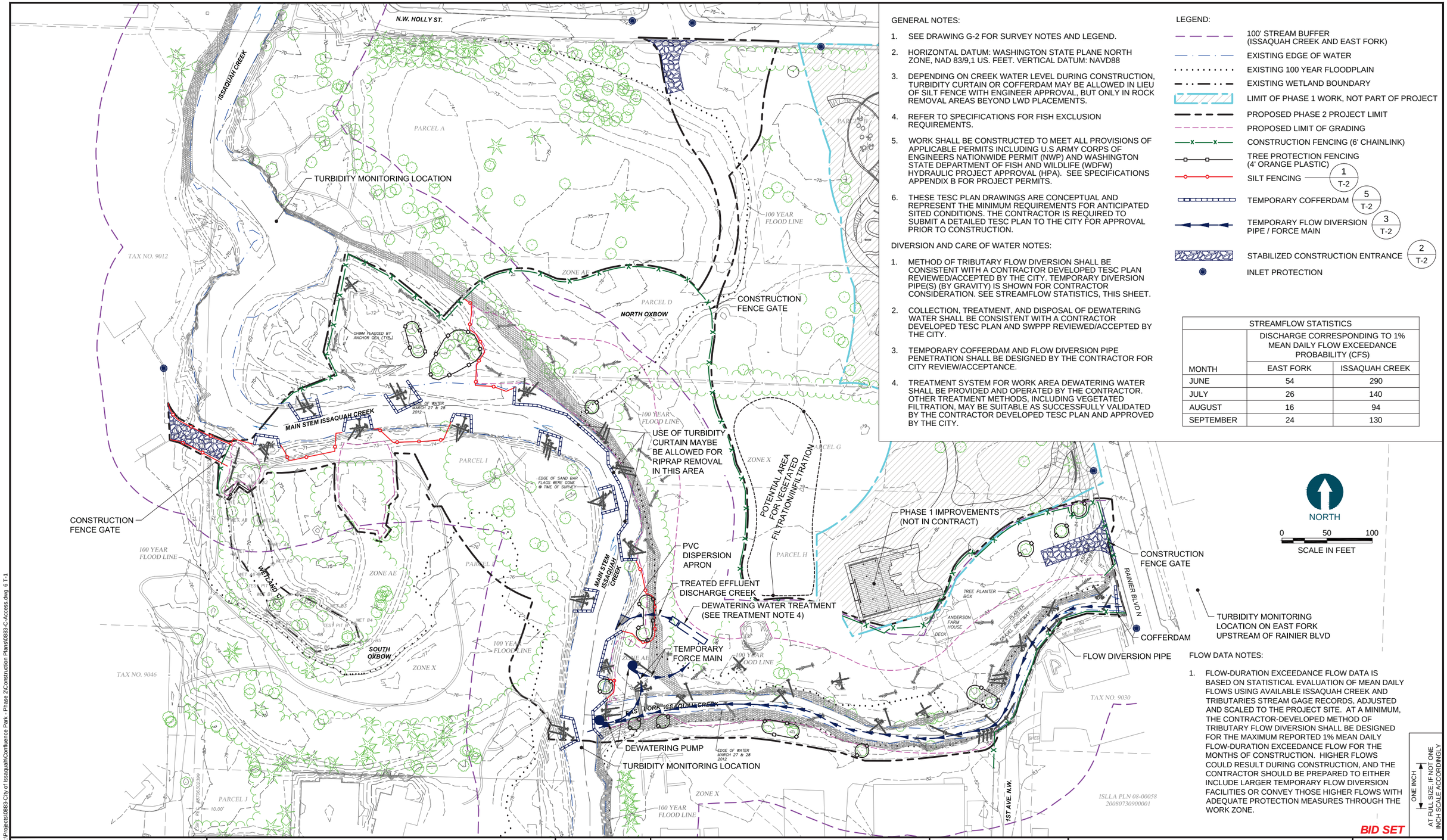
DESIGNED BY: D. RICE
DRAWN BY: T. GRIGA
CHECKED BY: J. BIBEE / P.HUMMEL
APPROVED BY: P. HUMMEL
SCALE: AS NOTED
DATE: OCTOBER 2013

CONFLUENCE PARK PHASE 2 - ISSAQUAH CREEK RESTORATION

SURVEY AND CONSTRUCTION COORDINATE CONTROL

V-1

SHEET NO. 5 OF 27



GENERAL NOTES:

1. SEE DRAWING G-2 FOR SURVEY NOTES AND LEGEND.
2. HORIZONTAL DATUM: WASHINGTON STATE PLANE NORTH ZONE, NAD 83/9,1 US. FEET. VERTICAL DATUM: NAVD88
3. DEPENDING ON CREEK WATER LEVEL DURING CONSTRUCTION, TURBIDITY CURTAIN OR COFFERDAM MAY BE ALLOWED IN LIEU OF SILT FENCE WITH ENGINEER APPROVAL, BUT ONLY IN ROCK REMOVAL AREAS BEYOND LWD PLACEMENTS.
4. REFER TO SPECIFICATIONS FOR FISH EXCLUSION REQUIREMENTS.
5. WORK SHALL BE CONSTRUCTED TO MEET ALL PROVISIONS OF APPLICABLE PERMITS INCLUDING U.S ARMY CORPS OF ENGINEERS NATIONWIDE PERMIT (NWP) AND WASHINGTON STATE DEPARTMENT OF FISH AND WILDLIFE (WDFW) HYDRAULIC PROJECT APPROVAL (HPA). SEE SPECIFICATIONS APPENDIX B FOR PROJECT PERMITS.
6. THESE TESC PLAN DRAWINGS ARE CONCEPTUAL AND REPRESENT THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITED CONDITIONS. THE CONTRACTOR IS REQUIRED TO SUBMIT A DETAILED TESC PLAN TO THE CITY FOR APPROVAL PRIOR TO CONSTRUCTION.

DIVERSION AND CARE OF WATER NOTES:

1. METHOD OF TRIBUTARY FLOW DIVERSION SHALL BE CONSISTENT WITH A CONTRACTOR DEVELOPED TESC PLAN REVIEWED/ACCEPTED BY THE CITY. TEMPORARY DIVERSION PIPE(S) (BY GRAVITY) IS SHOWN FOR CONTRACTOR CONSIDERATION. SEE STREAMFLOW STATISTICS, THIS SHEET.
2. COLLECTION, TREATMENT, AND DISPOSAL OF DEWATERING WATER SHALL BE CONSISTENT WITH A CONTRACTOR DEVELOPED TESC PLAN AND SWPPP REVIEWED/ACCEPTED BY THE CITY.
3. TEMPORARY COFFERDAM AND FLOW DIVERSION PIPE PENETRATION SHALL BE DESIGNED BY THE CONTRACTOR FOR CITY REVIEW/ACCEPTANCE.
4. TREATMENT SYSTEM FOR WORK AREA DEWATERING WATER SHALL BE PROVIDED AND OPERATED BY THE CONTRACTOR. OTHER TREATMENT METHODS, INCLUDING VEGETATED FILTRATION, MAY BE SUITABLE AS SUCCESSFULLY VALIDATED BY THE CONTRACTOR DEVELOPED TESC PLAN AND APPROVED BY THE CITY.

LEGEND:

- 100' STREAM BUFFER (ISSAQUAH CREEK AND EAST FORK)
- EXISTING EDGE OF WATER
- EXISTING 100 YEAR FLOODPLAIN
- EXISTING WETLAND BOUNDARY
- LIMIT OF PHASE 1 WORK, NOT PART OF PROJECT
- PROPOSED PHASE 2 PROJECT LIMIT
- PROPOSED LIMIT OF GRADING
- CONSTRUCTION FENCING (6' CHAINLINK)
- TREE PROTECTION FENCING (4' ORANGE PLASTIC)
- SILT FENCING — 1 / T-2
- TEMPORARY COFFERDAM — 5 / T-2
- TEMPORARY FLOW DIVERSION PIPE / FORCE MAIN — 3 / T-2
- STABILIZED CONSTRUCTION ENTRANCE — 2 / T-2
- INLET PROTECTION

STREAMFLOW STATISTICS

MONTH	DISCHARGE CORRESPONDING TO 1% MEAN DAILY FLOW EXCEEDANCE PROBABILITY (CFS)	
	EAST FORK	ISSAQUAH CREEK
JUNE	54	290
JULY	26	140
AUGUST	16	94
SEPTEMBER	24	130

FLOW DATA NOTES:

1. FLOW-DURATION EXCEEDANCE FLOW DATA IS BASED ON STATISTICAL EVALUATION OF MEAN DAILY FLOWS USING AVAILABLE ISSAQUAH CREEK AND TRIBUTARIES STREAM GAGE RECORDS, ADJUSTED AND SCALED TO THE PROJECT SITE. AT A MINIMUM, THE CONTRACTOR-DEVELOPED METHOD OF TRIBUTARY FLOW DIVERSION SHALL BE DESIGNED FOR THE MAXIMUM REPORTED 1% MEAN DAILY FLOW-DURATION EXCEEDANCE FLOW FOR THE MONTHS OF CONSTRUCTION. HIGHER FLOWS COULD RESULT DURING CONSTRUCTION, AND THE CONTRACTOR SHOULD BE PREPARED TO EITHER INCLUDE LARGER TEMPORARY FLOW DIVERSION FACILITIES OR CONVEY THOSE HIGHER FLOWS WITH ADEQUATE PROTECTION MEASURES THROUGH THE WORK ZONE.

BID SET

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

ANCHOR QEA

CITY OF ISSAQUAH WASHINGTON

GERALD A. BIBEE — STATE OF WASHINGTON — 24332 — REGISTERED PROFESSIONAL ENGINEER — 10-18-13

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

DESIGNED BY: D. RICE
DRAWN BY: T. GRIGA
CHECKED BY: J. BIBEE / P.HUMMEL
APPROVED BY: P. HUMMEL
SCALE: AS NOTED
DATE: OCTOBER 2013

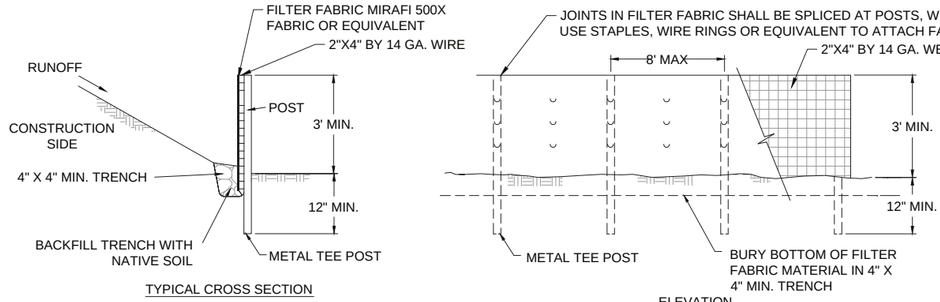
CONFLUENCE PARK PHASE 2 - ISSAQUAH CREEK RESTORATION

TESC AND CARE/DIVERSION OF WATER PLAN

T-1

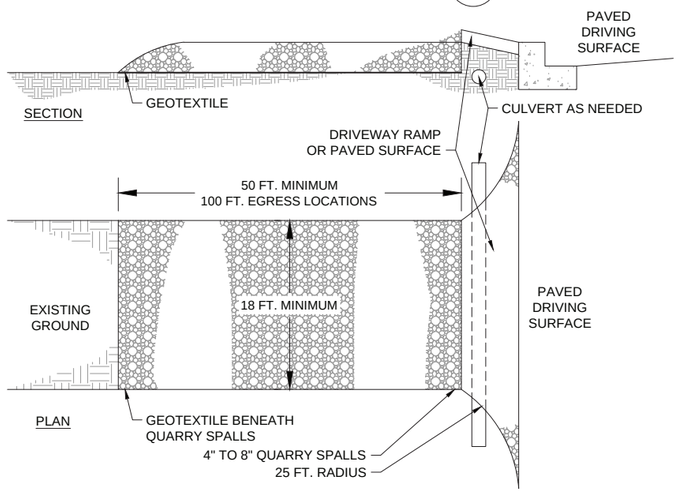
SHEET NO. 6 OF 27

Oct 18, 2013 4:36pm tgriga K:\Projects\0883-City of Issaquah\Confluence Park - Phase 2\Construction Plans\0883-C-Access.dwg 6 T-1



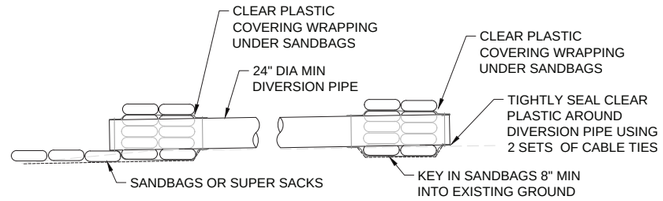
NOTE: VARIATIONS TO THIS DETAIL MAY BE REQUIRED BY THE INSPECTOR TO ACCOMMODATE ACTUAL FIELD CONDITIONS.

1 - SILT FENCE
SCALE:NTS



2 - STABILIZED CONSTRUCTION ENTRANCE
SCALE:NTS

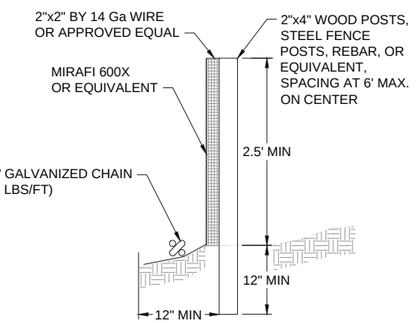
STABILIZED CONSTRUCTION ENTRANCE NOTES:
1. PAD SHALL BE REMOVED AND REPLACED WHEN SOIL IS EVIDENT ON THE SURFACE OF THE PAD OR AS DIRECTED BY THE CITY CLEARING AND GRADING INSPECTOR.
2. PAD SHALL BE INSTALLED IN PLANTING STRIP AS APPROPRIATE.
3. PAD THICKNESS SHALL BE INCREASED IF SOIL CONDITIONS DICTATE AND/OR PER THE DIRECTION OF THE CITY CLEARING AND GRADING INSPECTOR.
4. MINIMUM DIMENSIONS MAY BE MODIFIED AS REQUIRED BY SITE CONDITIONS UPON APPROVAL OF THE CITY CLEARING AND GRADING INSPECTOR.



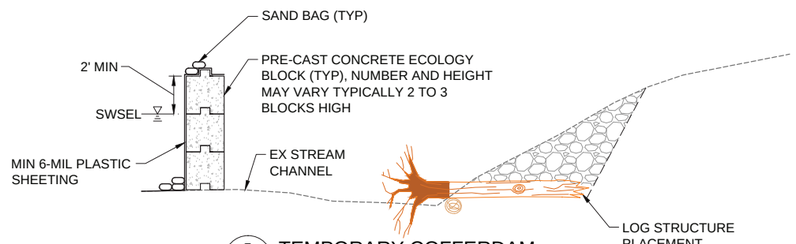
SANDBAG OR SUPER SACK SUMP INSTALLATION
INSTALL SANDBAGS OR SUPER SACKS PER PLAN AND DETAILS. AVOID DISTURBANCE TO CREEK CHANNEL OTHER THAN TO ACHIEVE COUNTERSINK AS SHOWN. INSTALL HEAVY CLEAR PLASTIC AS A WATERPROOF MEMBRANE. BUNCH PLASTIC AROUND PIPE AND SECURELY FASTEN IT AROUND THE PIPE USING TWO SETS OF CABLE TIES. DO NOT PUNCTURE PLASTIC OVER PIPE UNTIL AFTER THE CABLE TIES ARE SECURE AND THE REMAINDER OF THE SANDBAG BERM HAS BEEN PLACED.

MAINTENANCE
INSPECT FOR LEAKS THROUGH SANDBAG BERM AND AROUND PIPE THROUGH BERM WEEKLY AND FOLLOWING STORM EVENTS. REPAIR OR REPLACE PLASTIC AS NECESSARY TO ENSURE DIVERSION OF OXBOW CREEK FLOWS.

3 - T-1 TEMPORARY FLOW DIVERSION PIPING
SCALE:NTS



4 - TURBIDITY CURTAIN
SCALE:NTS



5 - TEMPORARY COFFERDAM
SCALE:NTS

TEMPORARY COFFERDAM NOTES
1. ISOLATE WORK AREAS FOR PLACEMENT OF EACH LOG STRUCTURE WITH TEMPORARY COFFERDAM CONSISTING OF ECOLOGY BLOCK AND PLASTIC SHEETING ANCHORED BY SAND BAGS.
2. LAP PLASTIC SHEETING MIN 8 INCHES.
3. REPAIR OR REPLACE SANDBAGS AND PLASTIC, AS NEEDED TO ENSURE THAT WORK AREA IS SUFFICIENTLY DEWATERED.
4. USE TEMPORARY PUMP TO EVALUATE IMPOUNDED WATER FROM WORK AREA BEHIND COFFERDAM.

STANDARD TESC PLAN NOTES FOR CITY OF ISSAQUAH PROJECTS:

1. TESC COORDINATION
   - A. A CERTIFIED EROSION AND SEDIMENT CONTROL LEAD (CESCL) SHALL BE DESIGNATED BY THE CONTRACTOR AS THE PROJECT'S TESC SUPERVISOR AND SHALL BE RESPONSIBLE FOR THE PERFORMANCE, MAINTENANCE, AND REVIEW OF TESC MEASURES AND FOR COMPLIANCE WITH ALL PERMIT CONDITIONS RELATED TO TESC. THE TESC SUPERVISOR SHALL BE CERTIFIED BY THE DEPARTMENT OF ECOLOGY'S TRAINING REQUIREMENT.
   - B. CONTRACTOR'S REVISED TESC PLANS. THE TESC MEASURES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. THE CONTRACTOR MAY REVISE THE TESC MEASURES SHOULD THEY DETERMINE THAT THERE IS A NEED TO BE MODIFIED TO COMPLY WITH THE PERMIT CONDITIONS OR IF THERE IS A MORE EFFECTIVE AND EFFICIENT WAY TO MEET THE PERFORMANCE OBJECTIVES FOR THE DURATION OF THE PROJECT.
   - C. IMPLEMENTING REVISED TESC PLANS, THE CONTRACTOR SHALL CONSULT WITH THE CITY PRIOR TO IMPLEMENTING ANY CHANGES TO ENSURE COMPLIANCE WITH CITY PERMITS, THE CONTRACT, AND THAT THE CHANGES DO NOT NEGATIVELY IMPACT PROPERTY OR PUBLIC SAFETY.
   - D. AN ONSITE TESC PRE-CONSTRUCTION MEETING SHALL BE HELD BEFORE ANY WORK BEGINS TO REVIEW IMPLEMENTATION OF THE TESC PLANS AND REPORT.
2. INITIAL TESC INSTALLATION
   - A. ALL TESC FACILITIES SHOWN ON THE PLANS SHALL BE INSTALLED PRIOR TO OR IN CONJUNCTION WITH ALL CLEARING AND GRADING SO AS TO ENSURE THAT THE SEDIMENT-LADEN WATER DOES NOT ENTER THE CITY DRAINAGE SYSTEM, SURFACE WATERS, OR WETLANDS. ADJACENT PROPERTIES SHALL BE PROTECTED FROM SEDIMENT-LADEN RUNOFF. IF NOT SPECIFICALLY SHOWN ON THE PLANS OR THE TESC REPORT, INSTALLATION SHALL BE DONE IN ACCORDANCE WITH APPENDIX D OF THE KING COUNTY SURFACE WATER DESIGN MANUAL, "EROSION AND SEDIMENT CONTROL STANDARDS", OR AS DIRECTED BY THE CITY.
   - B. CLEARING LIMITS AND TREE PROTECTION BOUNDARIES SHOWN ON THE PLANS SHALL BE CLEARLY FLAGGED BY SURVEY TAPE OR FENCING PRIOR TO CONSTRUCTION. NO DISTURBANCE BEYOND THE CLEARING LIMITS IS ALLOWED.
   - C. STABILIZED CONSTRUCTION ENTRANCES SHOWN ON THE PLANS SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ONSITE ROADS AND PAVED AREAS SHALL BE KEPT CLEAN TO MINIMIZE TURBIDITY IN RUNOFF. ADDITIONAL MEASURES, SUCH AS CONSTRUCTED WHEEL WASH SYSTEMS OR WASH PADS, IF SHOWN ON THE PLANS, ARE REQUIRED TO ENSURE SEDIMENT IS NOT TRACKED OUT TO CITY STREETS. ANY DIRT TRACKED ONTO CITY STREETS SHALL BE SWEPT AS NEEDED OR AS DIRECTED BY THE CITY OF ISSAQUAH. STREET SWEEPING IS NOT CONSIDERED A TESC MEASURE.
   - D. COVERING OF EXPOSED SOILS, INCLUDING ROADWAY EMBANKMENTS, THAT WILL NOT BE DISTURBED FOR TWO CONSECUTIVE DAYS DURING THE WET SEASON (OCT 1 TO APRIL 30) OR SEVEN DAYS DURING THE DRY SEASON (MAY 1 TO SEPT 30) SHALL BE DONE USING APPROVED TESC METHODS (E.G. SEEDING, MULCHING, PLASTIC COVERING, ETC.). THESE TIME LIMITS MAY BE MODIFIED BY THE CITY TO ADDRESS SPECIFIC SITE AND WEATHER CONDITIONS.
   - E. COLLECTION AND TREATMENT OF RUNOFF USING DITCHES, SWALES, OR PIPES IS REQUIRED TO ROUTE STORMWATER TO COLLECTION POINTS WHERE IT IS TREATED PRIOR TO INFILTRATION OR DISCHARGE OFFSITE. WHEN SHOWN ON THE PLANS, TEMPORARY STORAGE FACILITIES SUCH AS PONDS AND TANKS SHALL BE INSTALLED AT THE ONSET OF CONSTRUCTION, REGARDLESS OF THE TIME OF YEAR.DISCHARGE TO THE SANITARY SEWER IS ALLOWED UPON APPROVAL FROM THE CITY OR SAMMAMISH PLATEAU WATER AND SEWER DISTRICT AND THE KING COUNTY INDUSTRIAL WASTE PROGRAM. PRETREATMENT PRIOR TO DISCHARGE IS REQUIRED TO MEET COUNTY OR SEWER DISTRICT STANDARDS.
   - F. WORKING IN STREAMS. ALL IN-WATER WORK WITHIN WATERS OF THE STATE SHALL BE CONDUCTED DURING THE HPA-SPECIFIED FISH WINDOW (INCLUDED IN APPENDIX B OF THE SPECIFICATIONS). ANY EQUIPMENT WORKING WITHIN REGULATED WATERS SHALL BE EQUIPPED WITH VEGETABLE-BASED (NON-TOXIC) HYDRAULIC FLUIDS, AND APPROPRIATE METHODS SHALL BE EMPLOYED TO DIVERT THE STREAM AROUND THE WORKING AREA OR ISOLATE THE WORKING AREA FROM THE STREAM USING BARRIERS.REFER TO SPECIFICATIONS AND PROJECT PERMITS FOR FISH EXCLUSION REQUIREMENT.
3. ROUTINE TESC MAINTENANCE
   - A. MAINTENANCE OVER DURATION OF PROJECT. ALL TESC MEASURES SHALL BE MAINTAINED BY THE TESC SUPERVISOR FOR THE DURATION OF CONSTRUCTION, UNTIL FINAL LANDSCAPING OR OTHER PERMANENT SITE STABILIZATION IS COMPLETE
   - B. ROUTINE INSPECTIONS. THE TESC FACILITIES SHALL BE INSPECTED BY THE TESC SUPERVISOR DAILY OR MORE OFTEN DURING RAINFALL, AND MAINTAINED TO ENSURE PROPER FUNCTIONING. WRITTEN DOCUMENTATION IS REQUIRED FOR DISCHARGES ABOVE 25 NTUS AND SHALL BE READILY AVAILABLE AT THE PROJECT SITE.
   - C. OFFSITE PUMPING. THE TESC SUPERVISOR SHALL NOTIFY THE CITY OF ISSAQUAH PRIOR TO PUMPING ANY DISCHARGE OFFSITE OR TO CRITICAL AREAS.
   - D. INACTIVE SITES. TESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN 24 HOURS FOLLOWING A STORM EVENT.
   - E. PREPARATION FOR WET SEASON. PRIOR TO THE BEGINNING OF THE WET SEASON (OCT 1), ALL DISTURBED AREAS SHALL BE REVIEWED TO IDENTIFY WHICH ONES CAN BE SEEDED OR OTHERWISE COVERED IN PREPARATION FOR THE WINTER RAINS. IF COVER MEASURES ARE NOT ESTABLISHED BY OCT 1, ADDITIONAL TESC MEASURES SHALL BE REQUIRED.
4. TURBIDITY MONITORING
   - A. MONITORING RESPONSIBILITY. THE CITY'S INSPECTOR WILL MEASURE THE TURBIDITY OF STORMWATER LEAVING THE SITE AT THE DESIGNATED MONITORING POINT(S) TO VERIFY COMPLIANCE WITH TURBIDITY DISCHARGE LIMITS THAT ARE SPECIFIED BELOW.
   - B. MONITORING LOCATION. THE TURBIDITY MONITORING LOCATION, WHERE THE INSPECTOR WILL MEASURE TURBIDITY FOR COMPLIANCE, IS SHOWN ON THE TESC PLANS. FOR PROJECT SITES WHERE DESIGNATING A MONITORING POINT IS NOT FEASIBLE (E.G. FLAT SITES OR LINEAR UTILITY PROJECTS), THE MONITORING LOCATIONS WILL BE AT THE DISCRETION OF THE INSPECTOR.
   - C. 25 NTU ACTION LEVEL. THE TESC SUPERVISOR SHALL BE NOTIFIED OF DISCHARGES ABOVE 25 NTUS. THE TESC SUPERVISOR SHALL REVIEW AND MODIFY THE TESC MEASURES AS NEEDED TO KEEP DISCHARGES FROM THE SITE BELOW 25 NTUS.
   - D. 100 NTU DISCHARGE LIMIT. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING TESC MEASURES SO THAT DISCHARGE FROM THE PROJECT SITE SHALL NOT EXCEED 100 NTUS AT ALL TIMES UP TO THE 10 YEAR/24 HOUR STORM EVENT. THIS EVENT IS DEFINED AS 3.5 INCHES OF RAINFALL OVER A 24 HOUR PERIOD, AS MEASURED AT THE CITY'S RAIN GAGE. DATA FROM THIS RAIN GAGE IS POSTED ON THE CITY'S WEBSITE.
5. OTHER POLLUTION CONTROL MEASURES
   - A. POLLUTION CONTROL. THE CONTRACTOR SHALL IMPLEMENT ALL REQUIREMENTS OF THE TESC REPORT AND STORMWATER POLLUTION PREVENTION PLAN, INCLUDING STORAGE AND HANDLING OF HAZARDOUS MATERIALS, CONCRETE HANDLING AND WASTEWATER DISPOSAL, SPILL KITS AND SPILL RESPONSE, AND OTHER MEASURES AS NEEDED.
   - B. CONTROL OF PROCESS WATER. THE CONTRACTOR SHALL USE THE APPROPRIATE POLLUTION CONTROL MEASURES TO ENSURE THAT NO LIQUID PRODUCTS OR CONTAMINATED WATER SUCH AS RUNOFF FROM CONCRETE SLURRY (KNOWN AS PROCESS WATER) ENTERS THE STORM DRAINAGE SYSTEM, SURFACE WATERS, OR OTHERWISE LEAVES THE PROJECT SITE.
6. FINAL SITE STABILIZATION
   - A. FINAL STABILIZATION. THE CONTRACTOR SHALL INSTALL ALL TESC NEEDED FOR FINAL STABILIZATION AT COMPLETION OF FINISH GRADING. THIS SHALL BE DONE WITHIN TWO CONSECUTIVE DAYS DURING THE WET SEASON (OCT 1 TO APRIL 30), SEVEN DAYS DURING THE DRY SEASON (MAY 1 TO SEPT 30) OR AS DIRECTED BY THE CITY.
   - B. REMOVAL OF TESC FACILITIES. THE CONTRACTOR SHALL REMOVE ALL TESC FACILITIES, EXCEPT THOSE THAT WILL REMAIN (SUCH AS SEED AND MULCH) AFTER FINAL STABILIZATION OF THE SITE.
7. ENFORCEMENT
   - A. NON-COMPLIANCE WITH CONTRACT REQUIREMENTS, PERFORMANCE OBJECTIVES AND PERMITS. FAILURE TO PROVIDE AND MAINTAIN APPROVED TESC FACILITIES, DISCHARGES THAT EXCEED THE 100 NTU TURBIDITY LIMIT, OR OTHER FAILURES TO COMPLY WITH THE CONTRACT OR PERMITS ARE CONSIDERED VIOLATIONS OF THE CONTRACT AND MAY BE SUBJECT TO SUSPENSION OF WORK AND MONETARY PENALTIES.
   - B. MAINTENANCE OF TESC DURING SUSPENSION. IF WORK IS ORDERED TO BE SUSPENDED, THE CONTRACTOR SHALL CONTINUE TO CONTROL EROSION, POLLUTION, AND RUNOFF DURING THE SHUTDOWN AND WORKING DAYS WILL BE CONTINUED TO BE COUNTED.

BID SET

ONE INCH
AT FULL SIZE. IF NOT ONE INCH SCALE ACCORDINGLY

ANCHOR QEA

CITY OF ISSAQUAH WASHINGTON

GERALD A. BIBBEE — STATE OF WASHINGTON — 24332 — REGISTERED PROFESSIONAL ENGINEER
10-18-13

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

DESIGNED BY: D. CISAKOWSKI
DRAWN BY: T. GRIGA
CHECKED BY: J. BIBEE / P.HUMMEL
APPROVED BY: P. HUMMEL
SCALE: AS NOTED
DATE: OCTOBER 2013

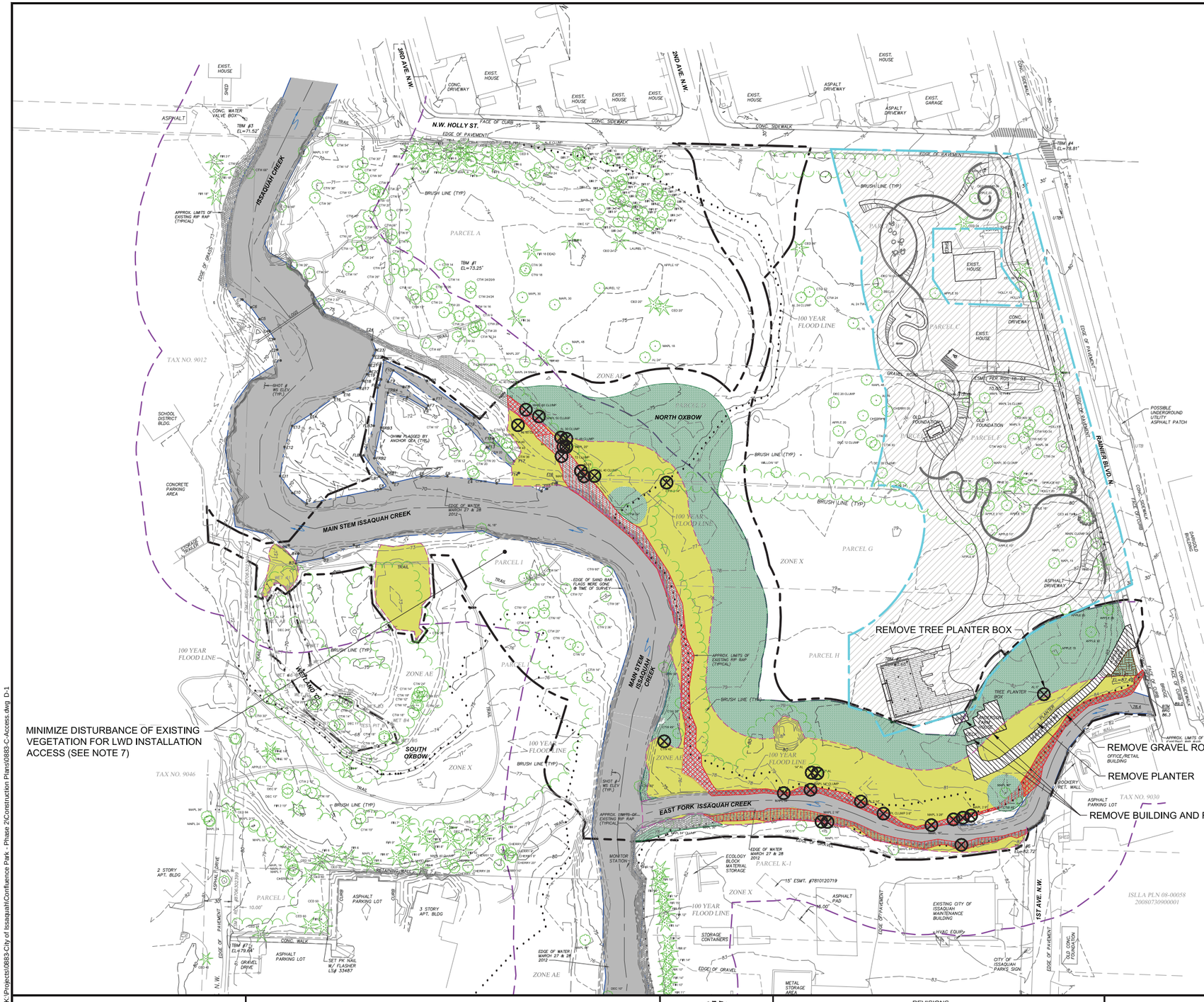
CONFLUENCE PARK PHASE 2 - ISSAQUAH CREEK RESTORATION

TESC AND CARE/DIVERSION OF WATER NOTES AND DETAILS

T-2

SHEET NO. 7 OF 27

Oct 18, 2013 4:36pm tgriga K:\Projects\0883-City of Issaquah\Confluence Park - Phase 2\Construction Plans\0883-PL-Details.dwg 8 T-2



LEGEND:

- EXISTING 100' STREAM BUFFER (ISSAQUAH CREEK AND EAST FORK)
- EXISTING ORDINARY HIGH WATER LIMIT
- EXISTING 100 YEAR FLOODPLAIN
- EXISTING WETLAND BOUNDARY
- LIMIT OF PHASE 1 WORK, NOT PART OF PROJECT
- PHASE 2 PROJECT LIMIT
- PROPOSED LIMIT OF GRADING
- REMOVE TREE AND STOCKPILE FOR REUSE
- RETAIN EXISTING ROCK ARMOR IN PLACE
- REMOVE AND STOCKPILE EX ROCK ARMOR FOR RE-USE; NON-ROCK ITEMS SUCH AS CONCRETE, ASPHALT, AND OTHER DEBRIS SHALL BE DISPOSED OFF-SITE.
- PARTIALLY REMOVE AND STOCKPILE EX ROCK ARMOR FOR RE-USE. NON-ROCK ITEMS SUCH AS CONCRETE, ASPHALT, AND OTHER DEBRIS SHALL BE DISPOSED OFF-SITE. (SEE DWGS C-6 & C-7 FOR REMOVAL LIMITS)
- STRIP SOD AND REMOVE ALL NON-NATIVE VEGETATION TO 100' BUFFER LIMITS OR AS SHOWN
- CLEAR AND GRUB ALL VEGETATION WITHIN GRADING LIMITS EXCEPT TREES DESIGNATED TO REMAIN (SEE DWG T-1), SALVAGE TOPSOIL AND STOCKPILE
- REMOVE BUILDING & FOUNDATION, CRUSHED ROCK, ASPHALT AND MISC DEBRIS

NOTES:

1. SEE DRAWING G-2 FOR SURVEY NOTES AND LEGEND.
2. PRIOR TO ANY CLEARING, DEMOLITION, AND EARTHWORK ACTIVITIES, CONTRACTOR SHALL PROVIDE AND INSTALL TEMPORARY EROSION AND SEDIMENTATION MEASURES AND TEMPORARY FENCING IN ACCORDANCE WITH DRAWINGS T-1 AND T-2, SPECIFICATIONS, AND PERMIT REQUIREMENTS.
3. THE CONTRACTOR SHALL PROTECT IN PLACE ITEMS NOT DESIGNATED FOR DEMOLITION OR REMOVAL ON THESE DRAWINGS. THE CONTRACTOR SHALL REPAIR OR REPLACE ITEMS TO REMAIN THAT ARE DAMAGED DURING DEMOLITION AND CONSTRUCTION AS REQUIRED BY THE OWNER OR THE OWNER'S REPRESENTATIVE.
4. PRIOR TO DEMOLITION, THE CONTRACTOR SHALL MARK ITEMS TO BE PROTECTED WITH TAPE OR MARKING PAINT. ALL TESC MEASURES SHALL BE IN PLACE PRIOR TO ANY CLEARING AND GRADING (SEE DRAWINGS T-1 AND T-2). SITE DEMOLITION SHALL NOT PROCEED UNTIL MARKING IS REVIEWED BY THE OWNER OR THE OWNER'S REPRESENTATIVE.
5. SEE DRAWING G-4 FOR ACCESS AND STAGING AND STOCKPILING AREAS.
6. SALVAGE AND STOCKPILE REMOVED TREES AND WOODY DEBRIS FOR REUSE AS LWD AND FALLEN TREES, WHERE APPROVED BY THE ENGINEER. STOCKPILE REMOVED TREES AND BRANCHES UNDER 8 INCHES DIAMETER FOR WOOD CHIP MULCH.
7. FLAG PROPOSED LWD INSTALLATION ACCESS (SEE DRAWING G-4) ROUTE FOR ENGINEER'S APPROVAL PRIOR TO ANY VEGETATION DISTURBANCE OR REMOVAL. MINIMIZE DISTURBANCE TO EXISTING VEGETATION.
8. PROTECT TREES AND VEGETATION SHOWN TO REMAIN. SEE DRAWING T-1 FOR TREE PROTECTION FENCING.

NORTH

0 60 120

SCALE IN FEET

ONE INCH AT FULL SIZE. IF NOT ONE INCH SCALE ACCORDINGLY

BID SET

ANCHOR QEA

CITY OF ISSAQUAH WASHINGTON

GERALD A. BIBEE STATE OF WASHINGTON 24332 REGISTERED PROFESSIONAL ENGINEER

10-18-13

REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

DESIGNED BY: G. SASSEN
DRAWN BY: T. GRIGA
CHECKED BY: J. BIBEE / P.HUMMEL
APPROVED BY: P. HUMMEL
SCALE: AS NOTED
DATE: OCTOBER 2013

CONFLUENCE PARK PHASE 2 - ISSAQUAH CREEK RESTORATION

DEMOLITION AND CLEARING PLAN

D-1

SHEET NO. 8 OF 27

Oct 18, 2013 4:37pm tgriga K:\Projects\0883-City of Issaquah\Confluence Park - Phase 2\Construction Plans\0883-C-Access.dwg D-1

LARGE WOODY DEBRIS LEGEND:

- BACKWATER ENTRANCE CLUSTER (5 PIECE), SEE 2/C-11
- BANK LOG PAIR, SEE 3/C-11
- TRIANGULAR CLUSTER (3 PIECE), SEE 5/C-11
- FALLEN TREE SEE, 4/C-11
- PROJECTING BANK CLUSTER (6 PIECE), SEE 7/C-12
- BANK/BENCH CLUSTER (5 PIECE), SEE 8/C-12
- POOL SCOUR LOG (4 PIECE), SEE 6/C-11

LEGEND:

EXISTING
- ROCK ARMOR
- 100 YEAR FLOODPLAIN
- ORDINARY HIGH WATER LIMIT
- 100 FT STREAM BUFFER
- WETLAND BOUNDARY
- 75 CONTOUR (1 FT INTERVAL)
- EDGE OF WATER (MARCH 2012)
- AQTP2 TEST PIT LOCATION (ANCHOR QEA, 4/12/12)
- SWSEL SURVEYED WATER SURFACE ELEVATION (NOTE 4)
- OHW ORDINARY HIGH WATER

PROPOSED
- PHASE 2 PROJECT LIMIT
- ROCK ARMOR TRENCH 2/C-8
- LIMITS OF GRADING
- GRADE BREAK
- 75 CONTOUR (1 FT INTERVAL)
- ORDINARY HIGH WATER LIMIT
- CHANNEL CENTERLINE
- GRAVEL/COBBLE OR COBBLE/BOULDER, SEE SECTIONS

NOTES:
1. SEE DRAWING G-2 FOR SURVEY NOTES AND LEGEND.
2. HORIZONTAL DATUM: WASHINGTON STATE PLANE NORTH ZONE, NAD 83/91 US. FEET. VERTICAL DATUM: NAVD88.
3. REFER TO CROSS SECTIONS (DRAWINGS C-3 TO C-8) FOR COIR AND JUTE FABRIC LIMITS. INSTALL COIR FABRIC PARALLEL TO BANK AND CREEK FLOW DIRECTION.
4. SWSEL FROM SURVEY COMPLETED MARCH 27-28, 2012. BASE FLOW AT TIME OF SURVEY WAS APPROX.:
   - 201 CFS IN MAIN STEM DOWNSTREAM OF CONFLUENCE
   - 170 CFS IN MAIN STEM UPSTREAM OF CONFLUENCE
   - 31 CFS IN EAST FORK UPSTREAM OF CONFLUENCE
5. BWSEL REPRESENTS THE ESTIMATED WATER SURFACE IN THE NEW CHANNEL UNDER BASE FLOW CONDITIONS AT THE TIME OF THE MARCH 27-28, 2012 SURVEY (SEE NOTE 4).
6. SEE DRAWING T-1 FOR ADDITIONAL TREE PROTECTION REQUIREMENTS.

NORTH

0 20 40
SCALE IN FEET

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

BID SET

ANCHOR QEA

CITY OF ISSAQUAH WASHINGTON

GERALD A. BIBEE — STATE OF WASHINGTON — 24332 — REGISTERED PROFESSIONAL ENGINEER
10-18-13

REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

DESIGNED BY: D. RICE
DRAWN BY: T. GRIGA
CHECKED BY: J. BIBEE / P.HUMMEL
APPROVED BY: P. HUMMEL
SCALE: AS NOTED
DATE: OCTOBER 2013

CONFLUENCE PARK PHASE 2 - ISSAQUAH CREEK RESTORATION

GRADING/RESTORATION PLAN - ISSAQUAH CREEK AND NORTH OXBOW

C-1

SHEET NO. 9 OF 27

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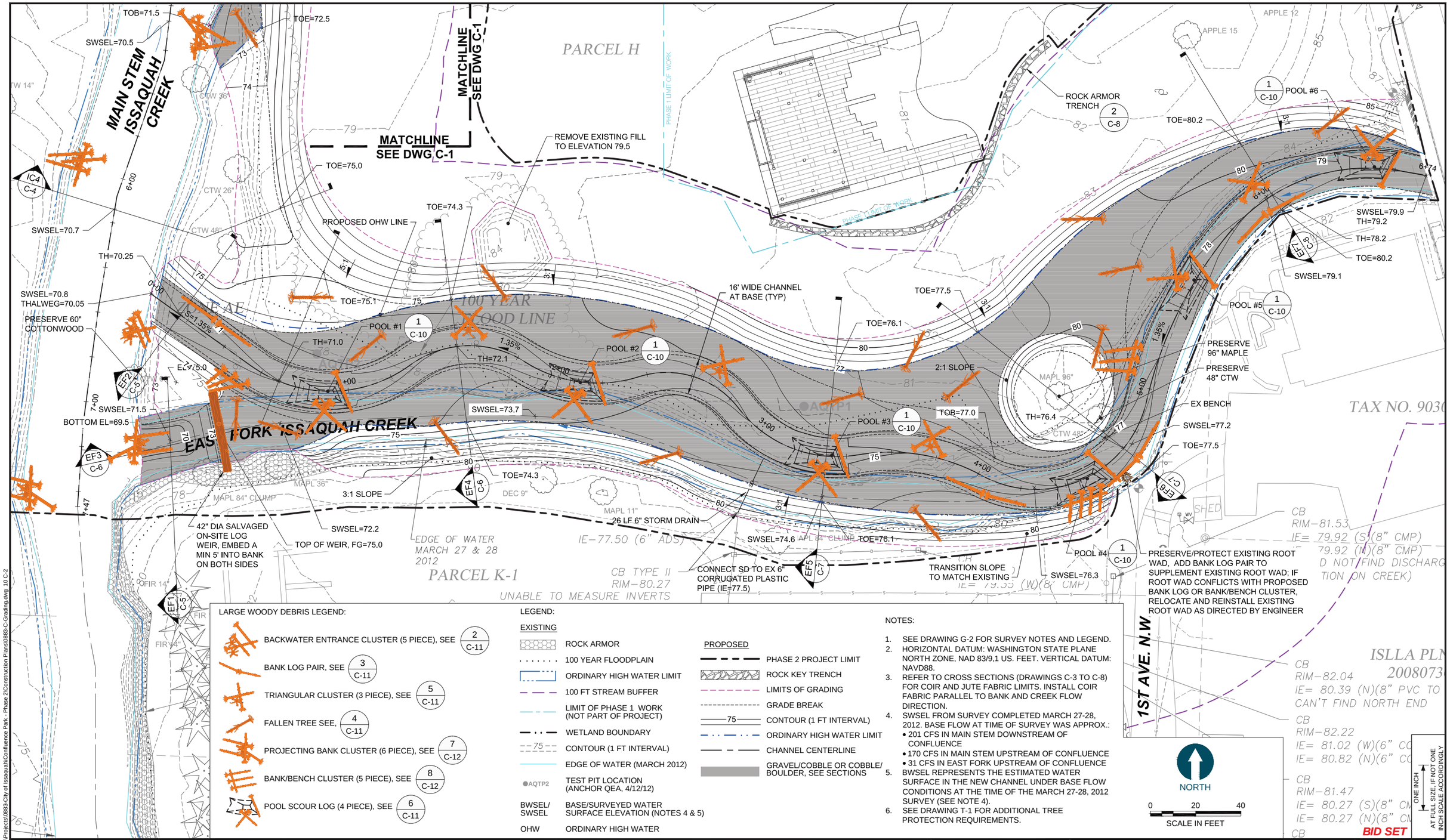
Oct 18, 2013 4:37pm lgriga



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Oct 18, 2013 4:37pm tgriga

ANCHOR QEA

CITY OF ISSAQUAH WASHINGTON

GERALD A. BIBEE STATE OF WASHINGTON 24332 REGISTERED PROFESSIONAL ENGINEER
10-18-13

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

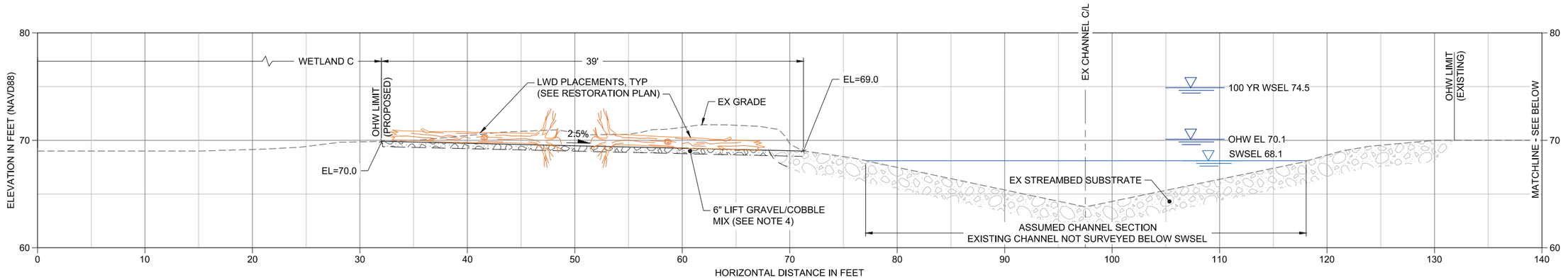
DESIGNED BY: D. RICE
DRAWN BY: T. GRIGA
CHECKED BY: J. BIBEE / P.HUMMEL
APPROVED BY: P. HUMMEL
SCALE: AS NOTED
DATE: OCTOBER 2013

CONFLUENCE PARK PHASE 2 - ISSAQUAH CREEK RESTORATION

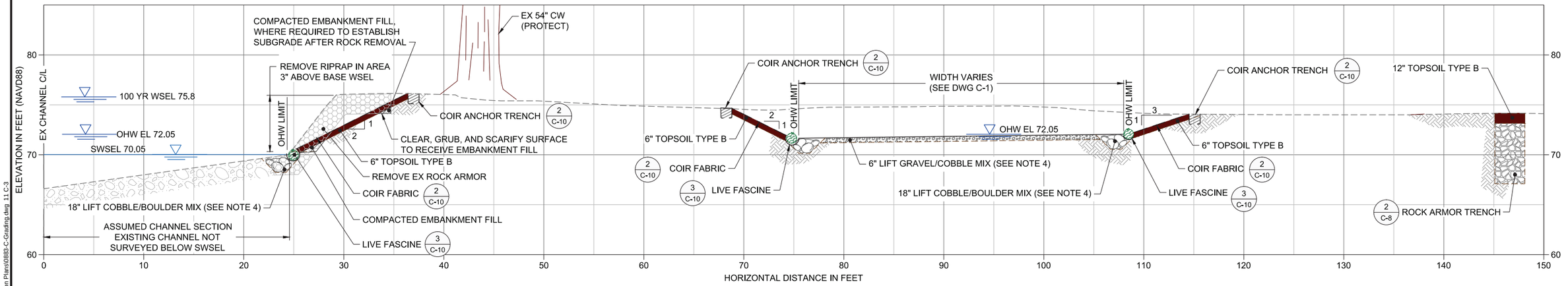
GRADING/RESTORATION PLAN - EAST FORK ISSAQUAH CREEK

C-2

SHEET NO. 10 OF 27



IC1 / C-1 SECTION - ISSAQUAH CREEK 690' DOWNSTREAM EAST FORK CONFLUENCE AT SOUTH OXBOW
SCALE:1" = 5'



IC2 / C-1 SECTION - ISSAQUAH CREEK 380' DOWNSTREAM EAST FORK CONFLUENCE
SCALE:1" = 5'

NOTES:

1. VERTICAL DATUM: NAVD88.
2. SWSEL FROM SURVEY COMPLETED MARCH 27-28, 2012. BASE FLOW AT TIME OF SURVEY WAS APPROX.:
   - 201 CFS IN MAIN STEM DOWNSTREAM OF CONFLUENCE
   - 170 CFS IN MAIN STEM UPSTREAM OF CONFLUENCE
   - 31 CFS IN EAST FORK UPSTREAM OF CONFLUENCE
3. BWSEL REPRESENTS THE ESTIMATED WATER SURFACE IN THE NEW CHANNEL UNDER BASE FLOW CONDITIONS AT THE TIME OF THE MARCH 27-28, 2012 SURVEY (SEE NOTE 2).
4. TOP SEED GRAVEL/COBBLE MIX AND COBBLE/BOULDER MIX WITH STREAMBED SAND.

BID SET

ONE INCH — AT FULL SIZE. IF NOT ONE INCH SCALE ACCORDINGLY

ANCHOR QEA

CITY OF ISSAQUAH WASHINGTON

GERALD A. BIBEE — STATE OF WASHINGTON — 24332 — REGISTERED PROFESSIONAL ENGINEER
10-18-13

REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

DESIGNED BY: D. RICE
DRAWN BY: T. GRIGA
CHECKED BY: J. BIBEE / P.HUMMEL
APPROVED BY: P. HUMMEL
SCALE: AS NOTED
DATE: OCTOBER 2013

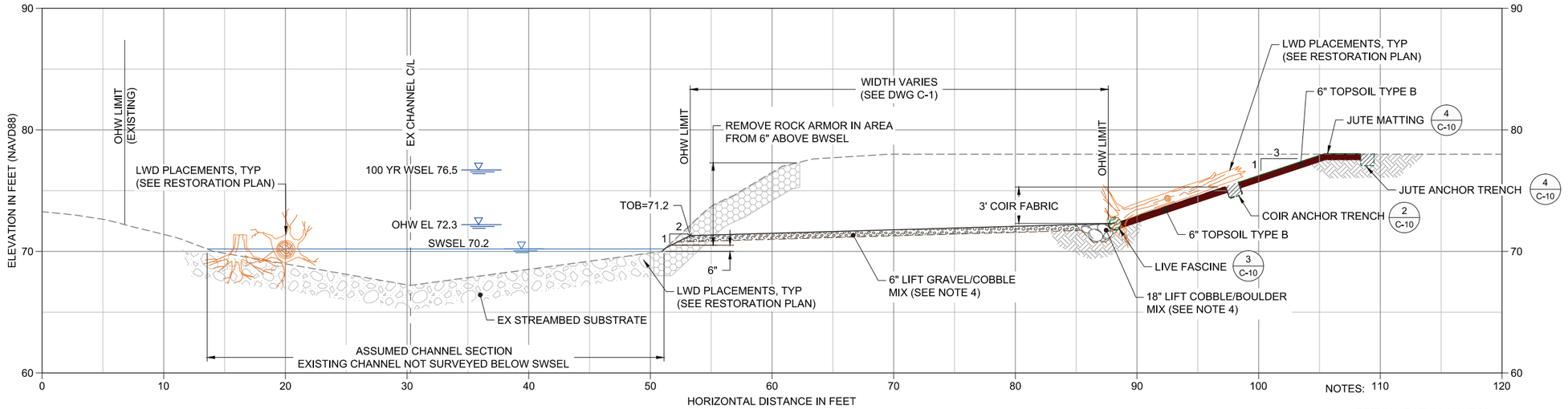
CONFLUENCE PARK PHASE 2 - ISSAQUAH CREEK RESTORATION

GRADING/RESTORATION SECTIONS

C-3

SHEET NO. 11 OF 27

Oct 18, 2013 4:37pm tgriga K:\Projects\0883-City of Issaquah\Confluence Park - Phase 2\Construction Plans\0883-C-Grading.dwg 11 C-3

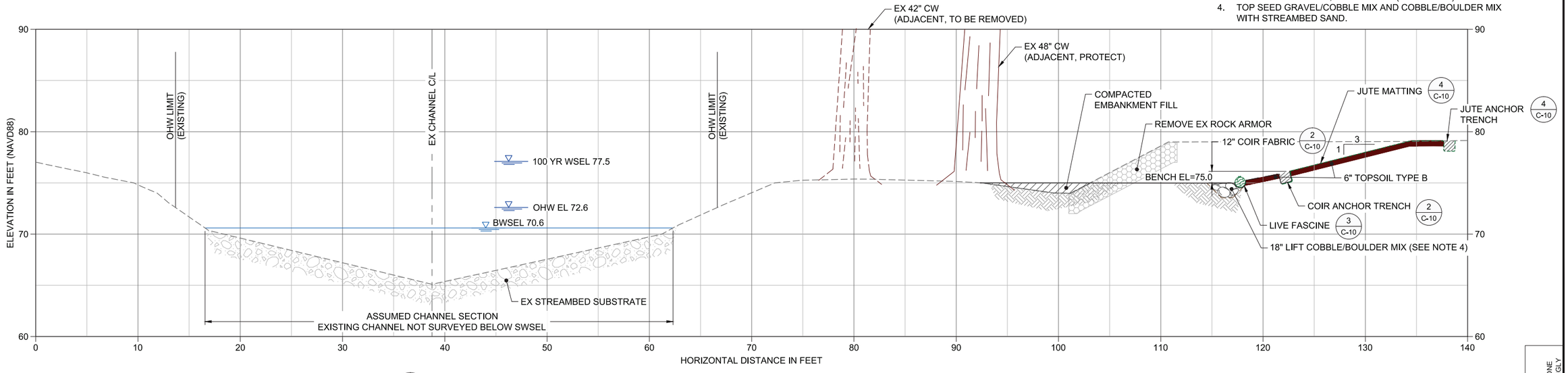


IC3 / C-1 SECTION - ISSAQUAH CREEK 250' DOWNSTREAM EAST FORK CONFLUENCE

SCALE:1" = 5'

NOTES:

1. VERTICAL DATUM: NAVD88.
2. SWSEL FROM SURVEY COMPLETED MARCH 27-28, 2012. BASE FLOW AT TIME OF SURVEY WAS APPROX.:
   - 201 CFS IN MAIN STEM DOWNSTREAM OF CONFLUENCE
   - 170 CFS IN MAIN STEM UPSTREAM OF CONFLUENCE
   - 31 CFS IN EAST FORK UPSTREAM OF CONFLUENCE
3. BWSEL REPRESENTS THE ESTIMATED WATER SURFACE IN THE NEW CHANNEL UNDER BASE FLOW CONDITIONS AT THE TIME OF THE MARCH 27-28, 2012 SURVEY (SEE NOTE 2).
4. TOP SEED GRAVEL/COBBLE MIX AND COBBLE/BOULDER MIX WITH STREAMBED SAND.



IC4 / C-2 SECTION - ISSAQUAH CREEK 100' DOWNSTREAM EAST FORK CONFLUENCE

SCALE:1" = 5'

ONE INCH AT FULL SIZE. IF NOT ONE INCH SCALE ACCORDINGLY

BID SET

ANCHOR QEA

CITY OF ISSAQUAH WASHINGTON

GERALD A. BIBEE — STATE OF WASHINGTON — 24332 — REGISTERED PROFESSIONAL ENGINEER — 10-18-13

REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

DESIGNED BY: D. RICE
DRAWN BY: T. GRIGA
CHECKED BY: J. BIBEE / P.HUMMEL
APPROVED BY: P. HUMMEL
SCALE: AS NOTED
DATE: OCTOBER 2013

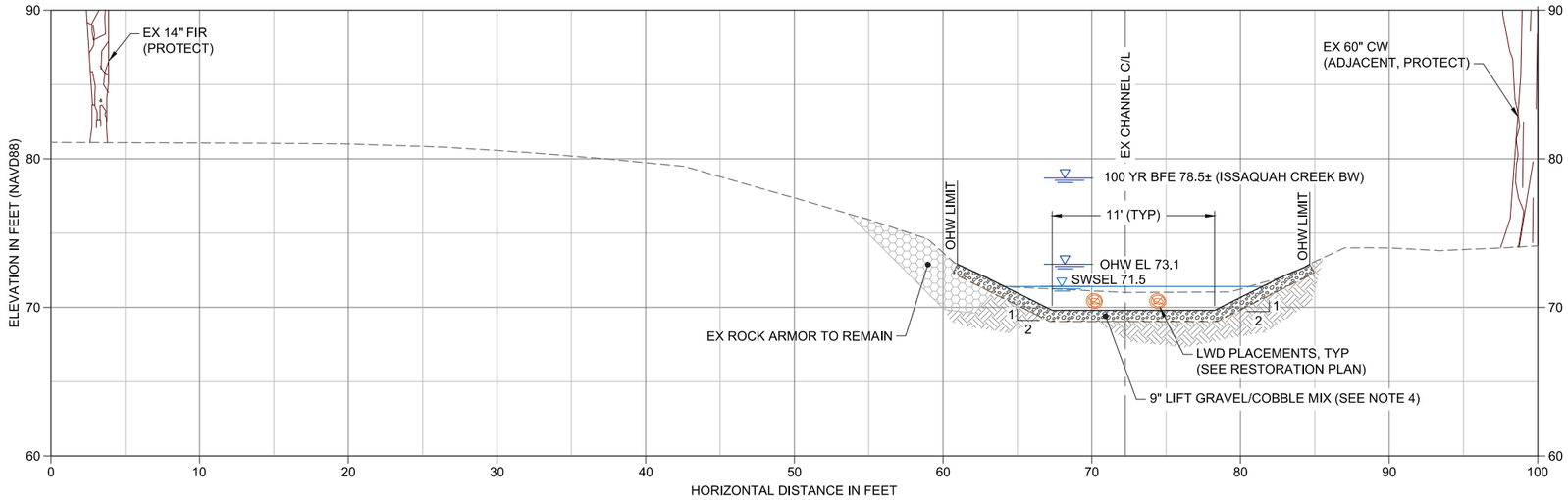
CONFLUENCE PARK PHASE 2 - ISSAQUAH CREEK RESTORATION

GRADING/RESTORATION SECTIONS

C-4

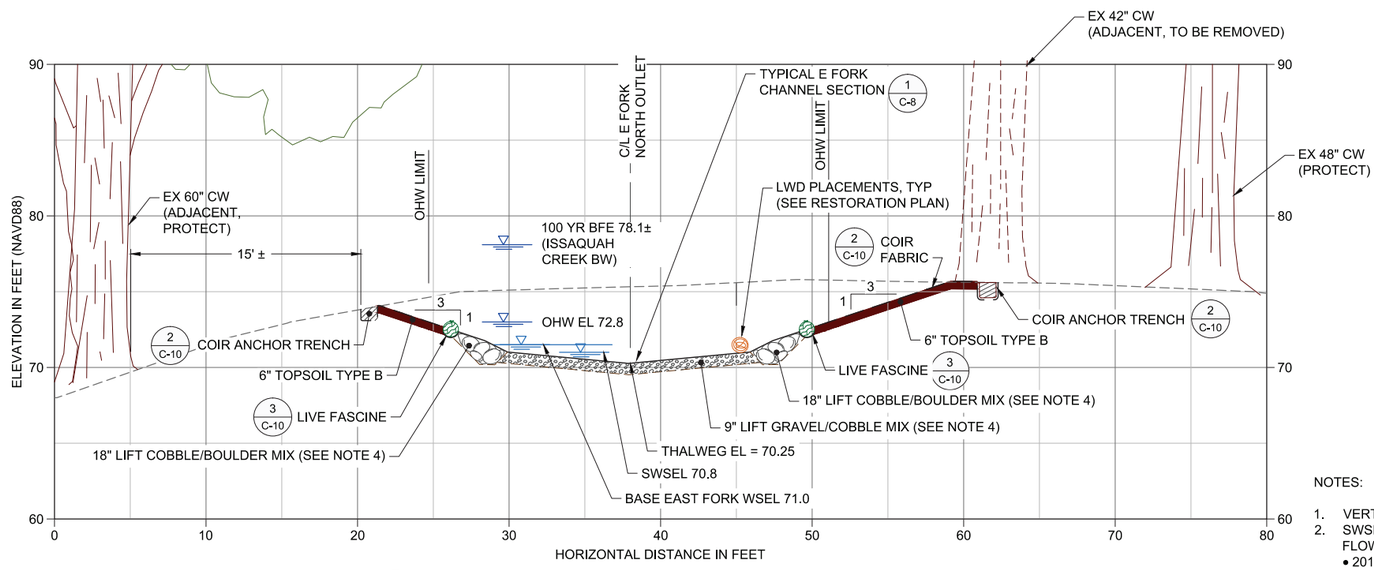
SHEET NO. 12 OF 27

Oct 18, 2013 4:37pm tgriga K:\Projects\0883-City of Issaquah\Confluence Park - Phase 2\Construction Plans\0883-C-Grading.dwg 12 C-4



EF1 / C-2 SECTION - EAST FORK SOUTH BANK 40' UPSTREAM CONFLUENCE

SCALE:1" = 5'



EF2 / C-2 SECTION - EAST FORK NORTH BANK AT CONFLUENCE

SCALE:1" = 5'

NOTES:

1. VERTICAL DATUM: NAVD88.
2. SWSEL FROM SURVEY COMPLETED MARCH 27-28, 2012. BASE FLOW AT TIME OF SURVEY WAS APPROX.:
   - 201 CFS IN MAIN STEM DOWNSTREAM OF CONFLUENCE
   - 170 CFS IN MAIN STEM UPSTREAM OF CONFLUENCE
   - 31 CFS IN EAST FORK UPSTREAM OF CONFLUENCE
3. BWSEL REPRESENTS THE ESTIMATED WATER SURFACE IN THE NEW CHANNEL UNDER BASE FLOW CONDITIONS AT THE TIME OF THE MARCH 27-28, 2012 SURVEY (SEE NOTE 2).
4. TOP SEED GRAVEL/COBBLE MIX AND COBBLE/BOULDER MIX WITH STREAMBED SAND.

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

BID SET

ANCHOR QEA

CITY OF ISSAQUAH WASHINGTON

GERALD A. BIBEE — STATE OF WASHINGTON — 24332 — REGISTERED PROFESSIONAL ENGINEER

10-18-13

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APPROVED BY: P. HUMMEL
SCALE: AS NOTED
DATE: OCTOBER 2013

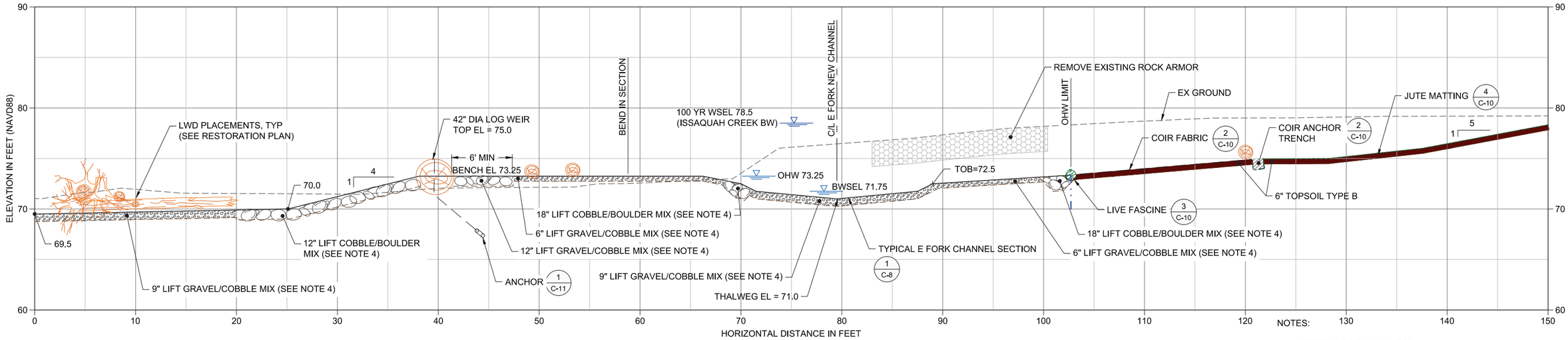
CONFLUENCE PARK PHASE 2 - ISSAQUAH CREEK RESTORATION

GRADING/RESTORATION SECTIONS

C-5

SHEET NO. 13 OF 27

Oct 18, 2013 4:37pm tgriga K:\Projects\0883-City of Issaquah\Confluence Park - Phase 2\Construction Plans\0883-C-Grading.dwg 13 C-5



EF3 / C-2 SECTION - EAST FORK 90' ABOVE CONFLUENCE
SCALE:1" = 5'

NOTES:

1. VERTICAL DATUM: NAVD88.
2. SWSEL FROM SURVEY COMPLETED MARCH 27-28, 2012. BASE FLOW AT TIME OF SURVEY WAS APPROX.:
   - 201 CFS IN MAIN STEM DOWNSTREAM OF CONFLUENCE
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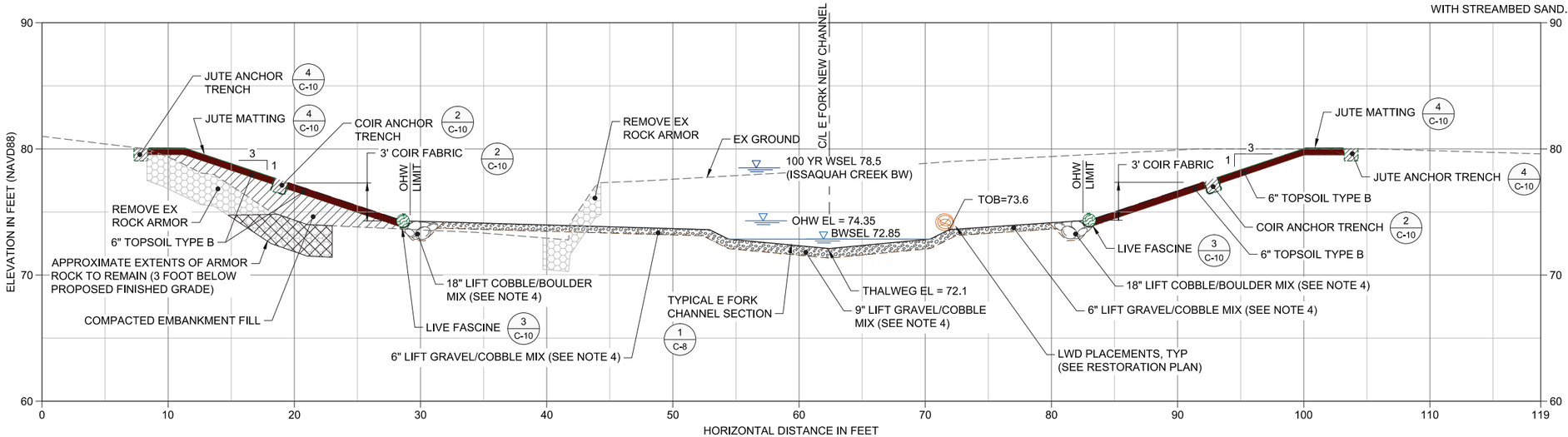
   - 31 CFS IN EAST FORK UPSTREAM OF CONFLUENCE
3. BWSEL REPRESENTS THE ESTIMATED WATER SURFACE IN THE NEW CHANNEL UNDER BASE FLOW CONDITIONS AT THE TIME OF THE MARCH 27-28, 2012 SURVEY (SEE NOTE 2).
4. TOP SEED GRAVEL/COBBLE MIX AND COBBLE/BOULDER MIX WITH STREAMBED SAND.



EF4 / C-2 SECTION - EAST FORK 210' UPSTREAM
SCALE:1" = 5'

ONE INCH AT FULL SIZE. IF NOT ONE INCH SCALE ACCORDINGLY

BID SET

K:\Projects\0883-City of Issaquah\Confluence Park - Phase 2\Construction Plans\0883-C-Grading.dwg 14 C-6
Oct 18, 2013 4:37pm tgriga

ANCHOR QEA

CITY OF ISSAQUAH WASHINGTON

GERALD A. BIBEE — STATE OF WASHINGTON — 24332 — REGISTERED PROFESSIONAL ENGINEER
10-18-13

REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

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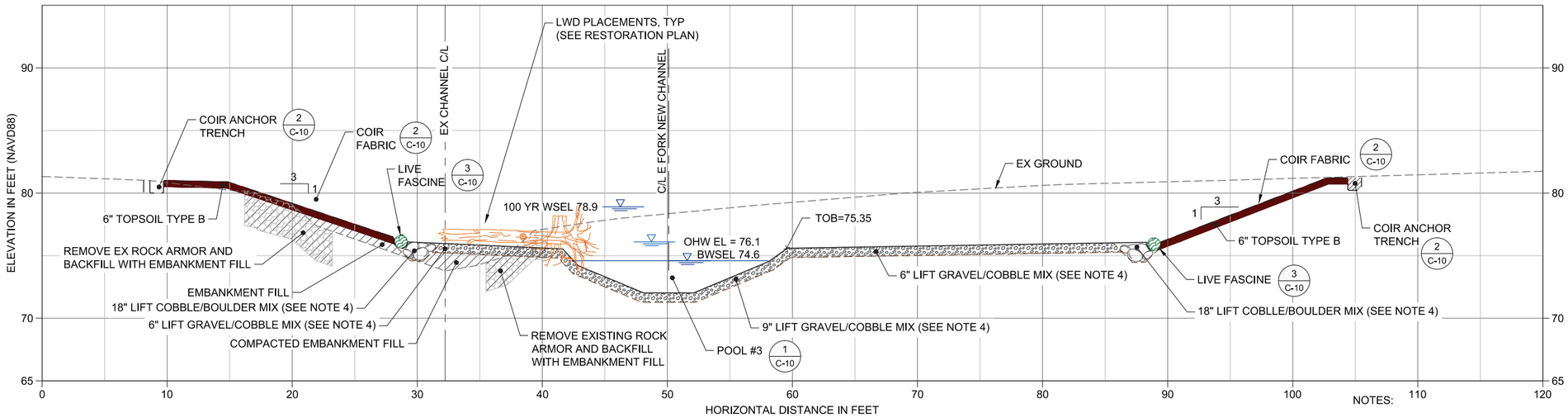
CHECKED BY: J. BIBEE / P.HUMMEL
APPROVED BY: P. HUMMEL
SCALE: AS NOTED
DATE: OCTOBER 2013

CONFLUENCE PARK PHASE 2 - ISSAQUAH CREEK RESTORATION

GRADING/RESTORATION SECTIONS

C-6

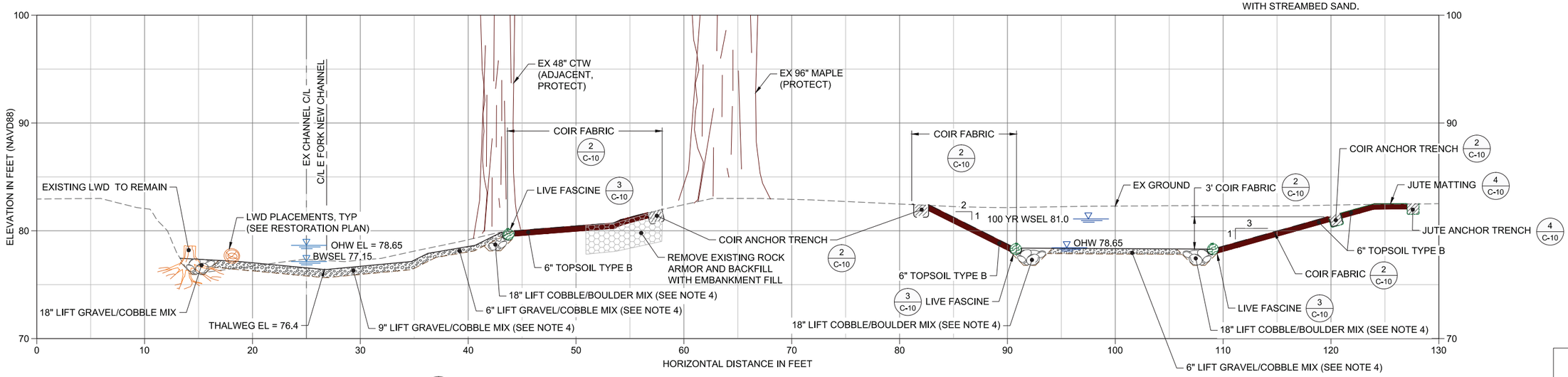
SHEET NO. 14 OF 27



EF5 / C-2 SECTION - EAST FORK 480' UPSTREAM CONFLUENCE
SCALE:1" = 5'

NOTES:

1. VERTICAL DATUM: NAVD88.
2. SWSEL FROM SURVEY COMPLETED MARCH 27-28, 2012. BASE FLOW AT TIME OF SURVEY WAS APPROX.:
   - 201 CFS IN MAIN STEM DOWNSTREAM OF CONFLUENCE
   - 170 CFS IN MAIN STEM UPSTREAM OF CONFLUENCE
   - 31 CFS IN EAST FORK UPSTREAM OF CONFLUENCE
3. BWSEL REPRESENTS THE ESTIMATED WATER SURFACE IN THE NEW CHANNEL UNDER BASE FLOW CONDITIONS AT THE TIME OF THE MARCH 27-28, 2012 SURVEY (SEE NOTE 2).
4. TOP SEED GRAVEL/COBBLE MIX AND COBBLE/BOULDER MIX WITH STREAMBED SAND.



EF6 / C-2 SECTION - EAST FORK 220' DOWNSTREAM RAINIER BLVD
SCALE:1" = 5'

ONE INCH
AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

BID SET

ANCHOR QEA

CITY OF ISSAQUAH WASHINGTON

GERALD A. BIBEE — STATE OF WASHINGTON — 24332 — REGISTERED PROFESSIONAL ENGINEER
10-18-13

REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

DESIGNED BY: D. RICE
DRAWN BY: T. GRIGA
CHECKED BY: J. BIBEE / P.HUMMEL
APPROVED BY: P. HUMMEL
SCALE: AS NOTED
DATE: OCTOBER 2013

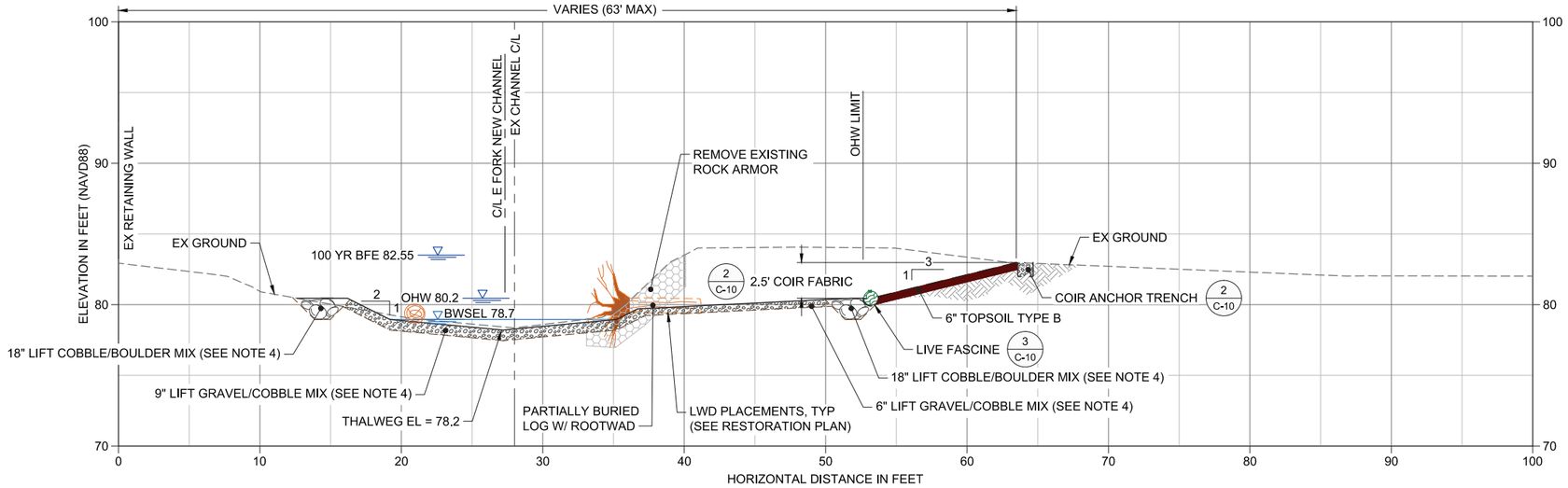
CONFLUENCE PARK PHASE 2 - ISSAQUAH CREEK RESTORATION

GRADING/RESTORATION SECTIONS

C-7

SHEET NO. 15 OF 27

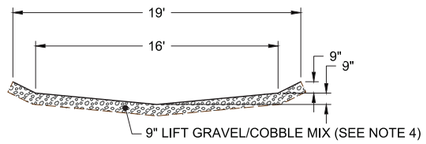
Oct 18, 2013 4:38pm tgriga K:\Projects\0883-City of Issaquah\Confluence Park - Phase 2\Construction Plans\0883-C-Grading.dwg 15 C-7



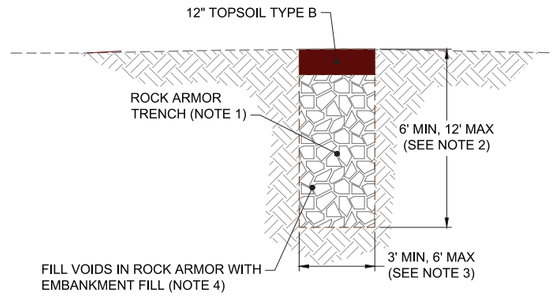
EF7 / C-2 SECTION - EAST FORK 650' UPSTREAM CONFLUENCE
SCALE:1" = 5'

NOTES:

1. VERTICAL DATUM: NAVD88.
2. SWSEL FROM SURVEY COMPLETED MARCH 27-28, 2012. BASE FLOW AT TIME OF SURVEY WAS APPROX.:
   - 201 CFS IN MAIN STEM DOWNSTREAM OF CONFLUENCE
   - 170 CFS IN MAIN STEM UPSTREAM OF CONFLUENCE
   - 31 CFS IN EAST FORK UPSTREAM OF CONFLUENCE
3. BWSEL REPRESENTS THE ESTIMATED WATER SURFACE IN THE NEW CHANNEL UNDER BASE FLOW CONDITIONS AT THE TIME OF THE MARCH 27-28, 2012 SURVEY (SEE NOTE 2).
4. TOP SEED GRAVEL/COBBLE MIX AND COBBLE/BOULDER MIX WITH STREAMBED SAND.



1 / - TYPICAL EAST FORK CHANNEL SECTION
SCALE:NTS



ROCK TRENCH NOTES:

1. ROCK SHALL BE SALVAGED ROCK ARMORING REMOVED FROM THE STREAM CHANNEL AND OVERBANK, AS INDICATED ON DRAWING D-1.
2. THE TRENCH DEPTH SHALL EXTEND AT LEAST 3 FEET BELOW THE BASE WSEL IN THE CREEK.
3. THE CONTRACTOR MAY WIDEN THE TRENCH WITHIN THE RANGE SHOWN, AS NEEDED TO PLACE EXCESS SALVAGED ROCK ARMORING. IF THE VOLUME OF SALVAGED ROCK ARMORING IS INSUFFICIENT TO FILL THE TRENCH TO THE MINIMUM DIMENSIONS SHOWN OR EXCEEDS THE VOLUME OF THE MAXIMUM DIMENSIONS SHOWN, NOTIFY THE CITY'S REPRESENTATIVE AND ADJUST TRENCH DIMENSIONS OR DISPOSE OF EXCESS ROCK AS DIRECTED BY THE ENGINEER.
4. PLACE ROCK ARMOR AT MAXIMUM 18" LIFTS. PLACE AND COMPACT EMBANKMENT FILL WITH EACH LIFT TO FILL THE VOIDS IN THE ROCK ARMOR.

2 / - TYPICAL ROCK ARMOR TRENCH
SCALE:NTS

BID SET

ONE INCH — AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

ANCHOR QEA

CITY OF ISSAQUAH WASHINGTON

GERALD A. BIBEE — STATE OF WASHINGTON — 24332 — REGISTERED PROFESSIONAL ENGINEER
10-18-13

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CHECKED BY: J. BIBEE / P.HUMMEL
APPROVED BY: P. HUMMEL
SCALE: AS NOTED
DATE: OCTOBER 2013

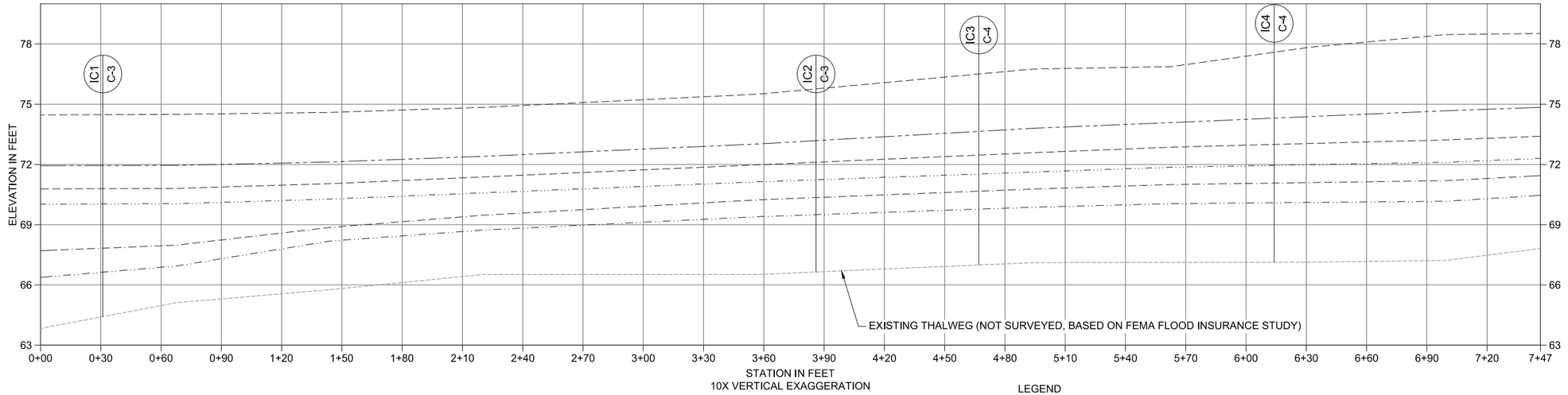
CONFLUENCE PARK PHASE 2 - ISSAQUAH CREEK RESTORATION

GRADING/RESTORATION SECTIONS

C-8

SHEET NO. 16 OF 27

Oct 18, 2013 4:38pm tgriga K:\Projects\0883-City of Issaquah\Confluence Park - Phase 2\Construction Plans\0883-C-Grading.dwg 16 C-8

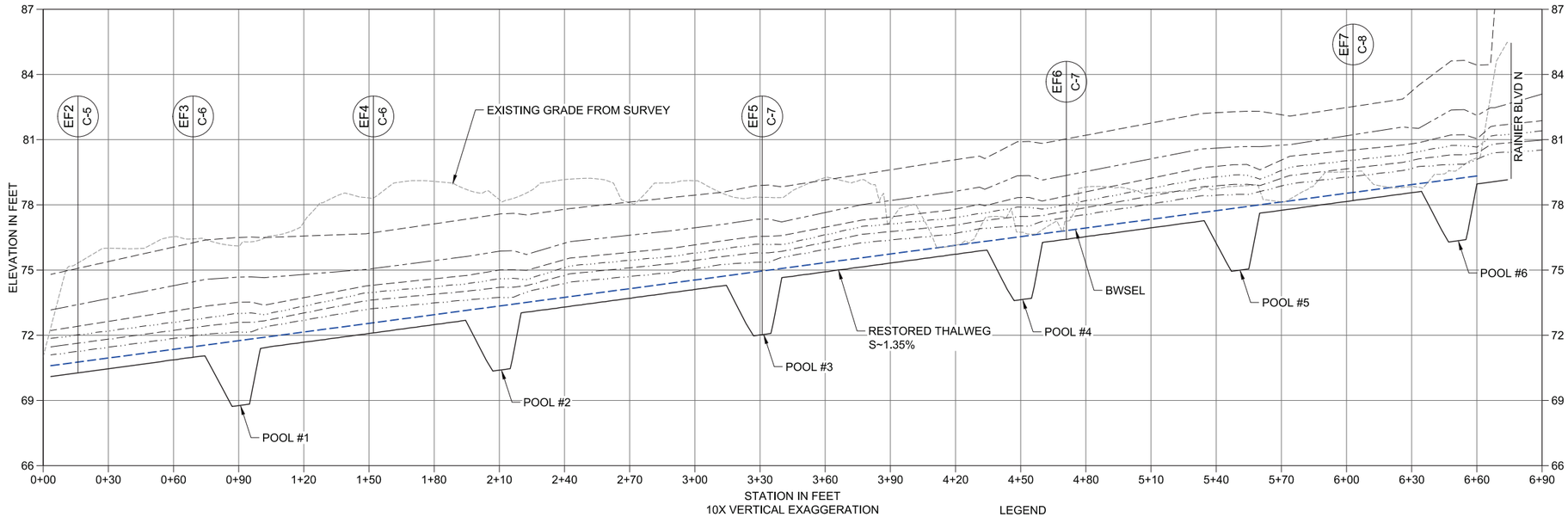


A / - PROFILE - ISSAQUAH CREEK

HORIZ. SCALE: 1"=30'
VERT. SCALE: 1" = 3'

LEGEND

- 100-YEAR FLOOD PROFILE
- 2-YR FLOOD PROFILE
- 1% EXCEEDANCE PROBABILITY ANNUAL PROFILE
- 5% EXCEEDANCE PROBABILITY NOVEMBER PROFILE
- 10% EXCEEDANCE PROBABILITY ANNUAL PROFILE
- 5% EXCEEDANCE PROBABILITY OCTOBER PROFILE



B / - PROFILE - EAST FORK

HORIZ. SCALE: 1"=30'
VERT. SCALE: 1" = 3'

LEGEND

- 100-YEAR FLOOD PROFILE
- 2-YR FLOOD PROFILE
- 1% EXCEEDANCE PROBABILITY ANNUAL PROFILE
- 5% EXCEEDANCE PROBABILITY NOVEMBER PROFILE
- 10% EXCEEDANCE PROBABILITY ANNUAL PROFILE
- 5% EXCEEDANCE PROBABILITY OCTOBER PROFILE

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

BID SET

ANCHOR QEA

CITY OF ISSAQUAH WASHINGTON

GERALD A. BIBEE — STATE OF WASHINGTON — 24332 — REGISTERED PROFESSIONAL ENGINEER
10-18-13

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APPROVED BY: P. HUMMEL
SCALE: AS NOTED
DATE: OCTOBER 2013

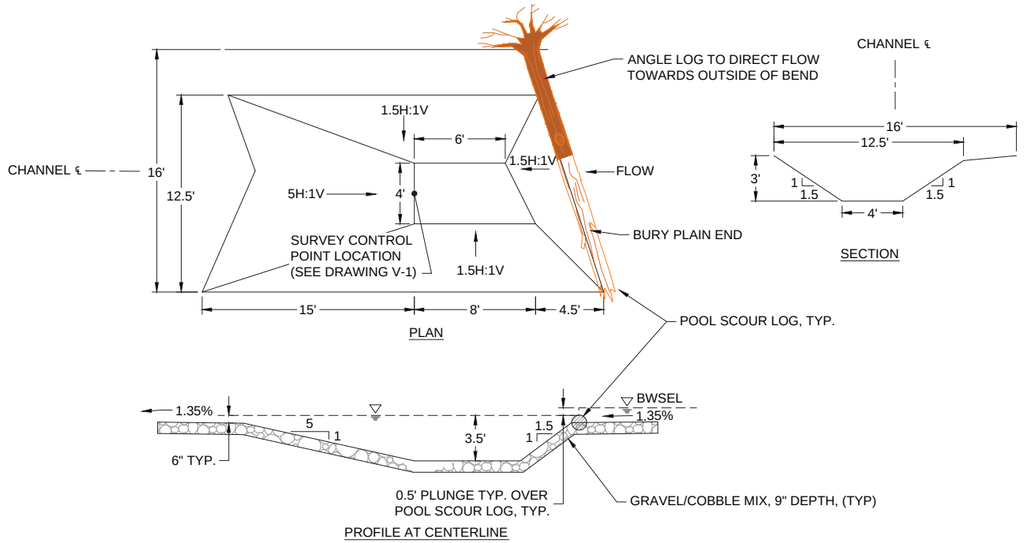
CONFLUENCE PARK PHASE 2 - ISSAQUAH CREEK RESTORATION

RESTORATION REACH HYDRAULIC PROFILES

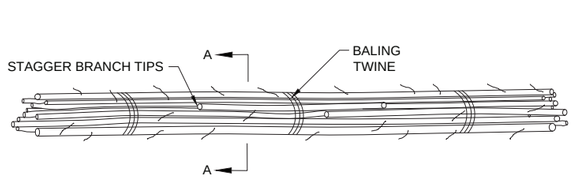
C-9

SHEET NO. 17 OF 27

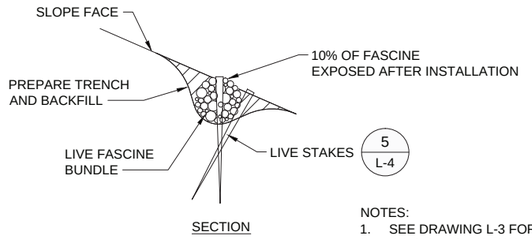
Oct 18, 2013 4:38pm tgriga K:\Projects\0883-City of Issaquah\Confluence Park - Phase 2\Construction Plans\0883-PL-Profile.dwg 17 C-9



1 - TYPICAL EAST FORK POOL
SCALE:1" = 5'



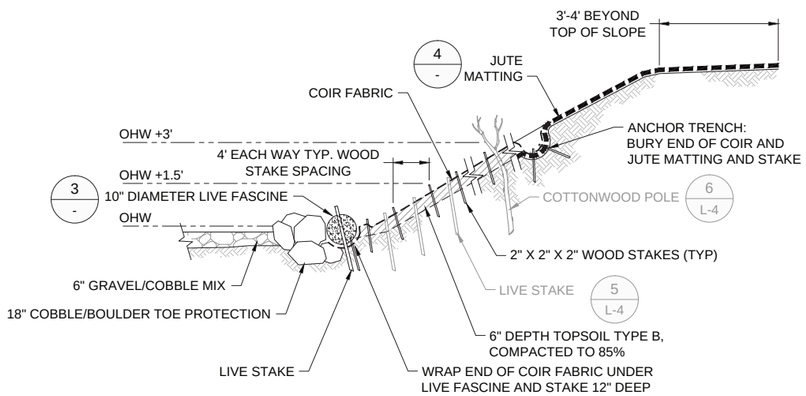
10" DIAMETER AND MINIMUM LENGTH OF 6' REQUIRED



SECTION

NOTES:
1. SEE DRAWING L-3 FOR PRODUCT MATERIAL.
2. BIND BUNDLES TOGETHER WITH BALING TWINE SPACED A MAXIMUM 24 INCHES APART.
3. BEGINNING AT THE BASE OF THE SLOPE, A TRENCH SHALL BE DUG LARGE ENOUGH TO CONTAIN THE LIVE FASCINES, THE LIVE FASCINES SHALL BE PLACED IN THE TRENCH. WHERE ENDS MEET IN THE TRENCH, THE FASCINES SHALL OVERLAP BY 18 INCHES.
4. LIVE STAKES SHALL BE INSTALLED FLUSH TO THE TOP OF THE FASCINE EVERY 18 INCHES ALONG THE LENGTH OF THE BUNDLES.
5. THE TRENCH AND FASCINE SHALL BE BACKFILLED WITH MOIST TOPSOIL AND HAND TAMPED. THE TOP 10% OF THE FASCINE SHALL BE EXPOSED WHEN THE INSTALLATION IS COMPLETE.

3 - LIVE FASCINE
SCALE:NTS

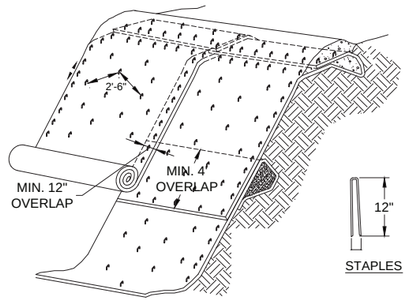


2 - LIVE FASCINE AND COIR FABRIC INSTALLATION
SCALE:NTS

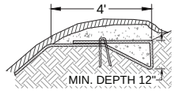
FURNISHING AND INSTALLATION OF PLANT MATERIALS EXCEPT LIVE FASCINES AND HYDROSEEDING IS NOT PART OF CONTRACT AND WILL BE COMPLETED BY OTHERS.

LIVE FASCINE AND COIR FABRIC NOTES:

1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. FABRIC SHALL HAVE GOOD SOIL CONTACT.
2. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
3. FABRIC SHOULD BE INSTALLED PARALLEL TO THE FLOW OF THE CREEK TO THE LIMITS SHOWN ON THE CONTRACT DRAWINGS.
4. WHERE MORE THAN ONE STRIP OF FABRIC IS REQUIRED ALONG THE LENGTH OF THE STREAM, THE UPSTREAM END OF THE FABRIC SHALL OVERLAP THE ADJACENT DOWNSTREAM MAT BY A MINIMUM OF 24 INCHES.
5. INSTALL FABRIC OVER ENTIRE AREA INDICATED. AVOID EXISTING TREES AND EXISTING STUMPS.
6. FABRIC SHALL BE ROLLED IN A CONTROLLED FASHION. INSTALL STAPLES AS FABRIC IS UNROLLED. FABRIC SHALL NOT BE ALLOWED TO ROLL DOWN THE SLOPE ON ITS OWN.



JUTE FABRIC INSTALLATION, TOP OF SLOPE ISOMETRIC VIEW
NOT TO SCALE



TOP OF SLOPE JUTE ANCHOR TRENCH DETAIL

JUTE FABRIC NOTES:

1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS/BLANKETS SHALL HAVE GOOD SOIL CONTACT.
2. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
3. MATS/BLANKETS SHOULD BE INSTALLED VERTICALLY DOWNSLOPE.
4. INSTALL JUTE MAT OVER ENTIRE PLANTING AREA. AVOID EXISTING TREES AND EXISTING STUMPS.
5. JUTE FABRIC SHALL BE ROLLED IN A CONTROLLED FASHION. INSTALL STAPLES AS MAT IS UNROLLED. FABRIC SHALL NOT BE ALLOWED TO ROLL DOWN THE SLOPE ON ITS OWN.

4 - JUTE FABRIC SLOPE PROTECTION
SCALE:NTS

BID SET

ONE INCH
AT FULL SIZE. IF NOT ONE INCH SCALE ACCORDINGLY

ANCHOR QEA

CITY OF ISSAQUAH WASHINGTON

GERALD A. BIBEE — STATE OF WASHINGTON — 24332 — REGISTERED PROFESSIONAL ENGINEER
10-18-13

REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

DESIGNED BY: G. SASSEN / D. CISAKOWSKI
DRAWN BY: T. GRIGA
CHECKED BY: J. BIBEE / P.HUMMEL
APPROVED BY: P. HUMMEL
SCALE: AS NOTED
DATE: OCTOBER 2013

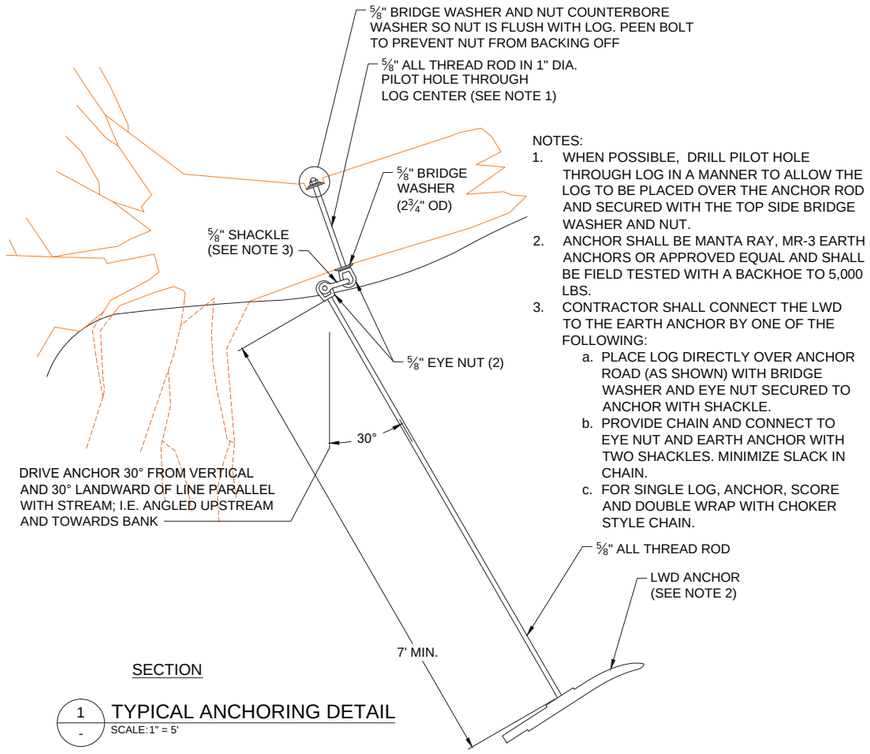
CONFLUENCE PARK PHASE 2 - ISSAQUAH CREEK RESTORATION

GRADING/RESTORATION AND BANK STABILIZATION DETAILS

C-10

SHEET NO. 18 OF 27

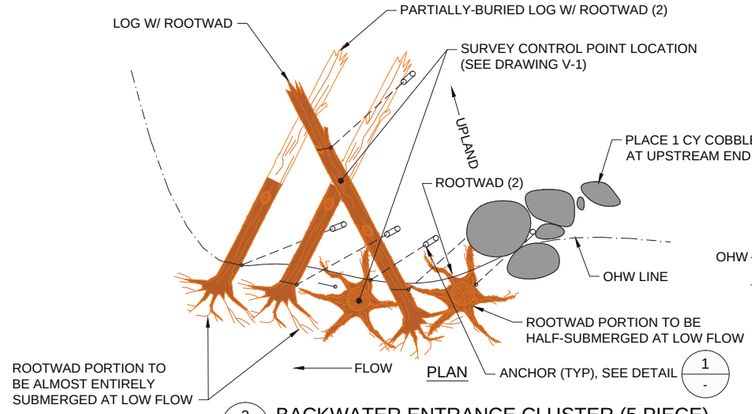
Oct 18, 2013 4:38pm tgriga K:\Projects\0683-City of Issaquah\Confluence Park - Phase 2\Construction Plans\0683-PL-Details.dwg 18 C-10



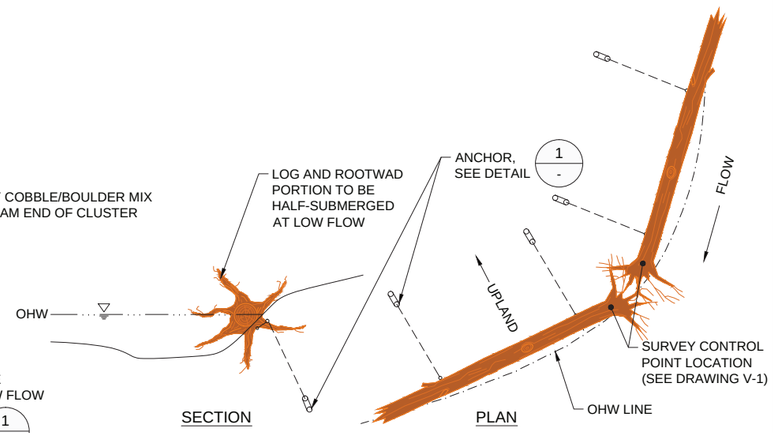
NOTES:

1. WHEN POSSIBLE, DRILL PILOT HOLE THROUGH LOG IN A MANNER TO ALLOW THE LOG TO BE PLACED OVER THE ANCHOR ROD AND SECURED WITH THE TOP SIDE BRIDGE WASHER AND NUT.
2. ANCHOR SHALL BE MANTA RAY, MR-3 EARTH ANCHORS OR APPROVED EQUAL AND SHALL BE FIELD TESTED WITH A BACKHOE TO 5,000 LBS.
3. CONTRACTOR SHALL CONNECT THE LWD TO THE EARTH ANCHOR BY ONE OF THE FOLLOWING:
   a. PLACE LOG DIRECTLY OVER ANCHOR ROAD (AS SHOWN) WITH BRIDGE WASHER AND EYE NUT SECURED TO ANCHOR WITH SHACKLE.
   b. PROVIDE CHAIN AND CONNECT TO EYE NUT AND EARTH ANCHOR WITH TWO SHACKLES. MINIMIZE SLACK IN CHAIN.
   c. FOR SINGLE LOG, ANCHOR, SCORE AND DOUBLE WRAP WITH CHOKER STYLE CHAIN.

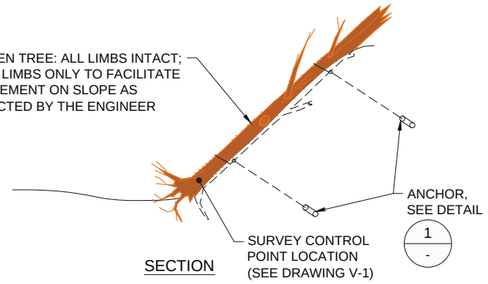
1 - TYPICAL ANCHORING DETAIL
SCALE:1" = 5'



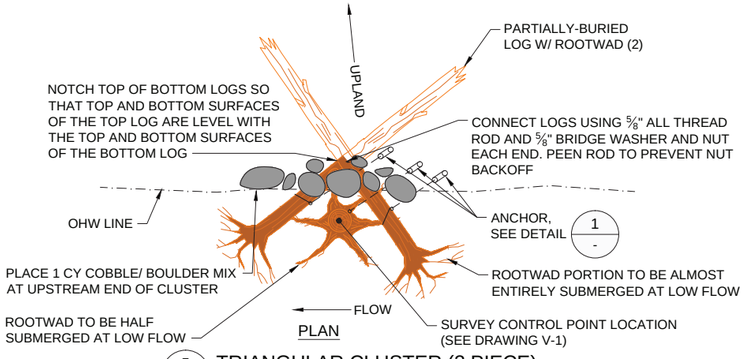
2 - BACKWATER ENTRANCE CLUSTER (5 PIECE)
SCALE:1" = 5'



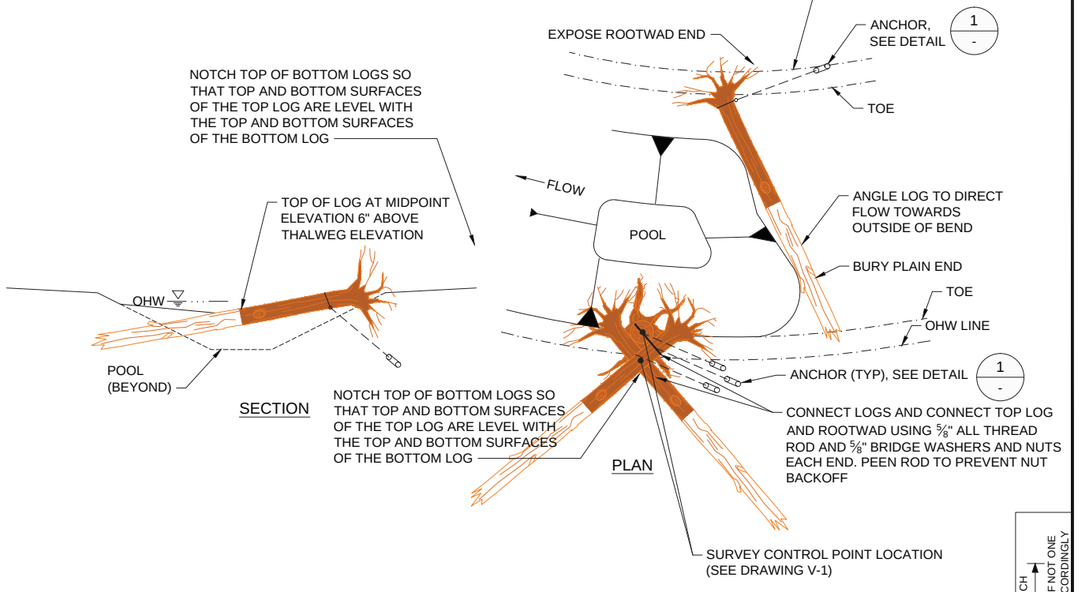
3 - BANK LOG PAIR
SCALE:1" = 5'



4 - FALLEN TREE
SCALE:1" = 5'



5 - TRIANGULAR CLUSTER (3 PIECE)
SCALE:1" = 5'



6 - POOL SCOUR LOG
SCALE:1" = 5'

NOTES:

1. LOG AND ROOTWAD CONFIGURATIONS SHOWN ARE CONCEPTUAL. SEE GRADING/RESTORATION PLANS FOR PROPOSED CONFIGURATIONS. DYNAMIC STREAM CONDITIONS WILL REQUIRE FIELD ADJUSTMENT OF LWD ELEMENTS AS DIRECTED BY THE ENGINEER.
2. SEE DETAIL 1 FOR TYPICAL ANCHORING DETAIL.
3. SEE LWD TABLE (SHEET C-10) FOR NUMBER OF ANCHORS PER STRUCTURE. ANCHORS SHALL BE MANTA-RAY MR-3 EARTH ANCHOR. SEE SPECIFICATIONS FOR INSTALLATION AND HARDWARE REQUIREMENTS.
4. FALLEN TREES SHALL BE ONSITE MATERIAL GENERATED DURING CLEARING ACTIVITIES. ALL OTHER LWD UNLESS OTHERWISE SPECIFIED/IDENTIFIED OTHER THAN FALLEN TREES, SHALL BE IMPORTED CONIFEROUS LOGS AND ROOTWADS. SEE SPECIFICATIONS FOR LWD SIZE, SPECIES, AND INSTALLATION REQUIREMENTS.
5. SEE SPECIFICATIONS FOR IMPORTED LWD SPECIES, DIAMETER, AND LENGTH.
6. SEE LWD TABLE ON DRAWING C-12 FOR ACTUAL NUMBER OF ANCHORS. THE ACTUAL CONFIGURATION OF ANCHORS SHALL BE FIELD DIRECTED BY THE ENGINEER.

ONE INCH AT FULL SIZE. IF NOT ONE INCH SCALE ACCORDINGLY

BID SET

ANCHOR QEA

CITY OF ISSAQUAH WASHINGTON

GERALD A. BIBEE — STATE OF WASHINGTON — 24332 — REGISTERED PROFESSIONAL ENGINEER
10-18-13

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REV	DATE	BY	APP'D	DESCRIPTION

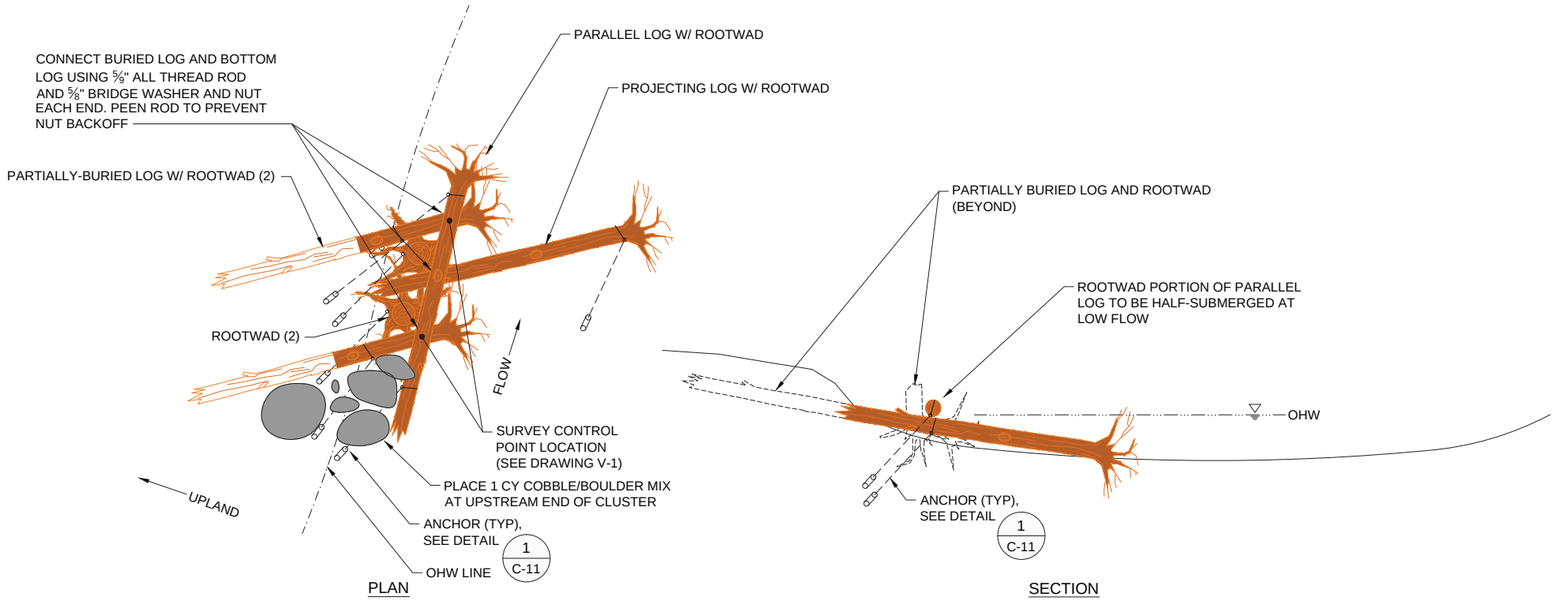
DESIGNED BY: D. RICE
DRAWN BY: T. GRIGA
CHECKED BY: J. BIBEE / P.HUMMEL
APPROVED BY: P. HUMMEL
SCALE: AS NOTED
DATE: OCTOBER 2013

CONFLUENCE PARK PHASE 2 - ISSAQUAH CREEK RESTORATION

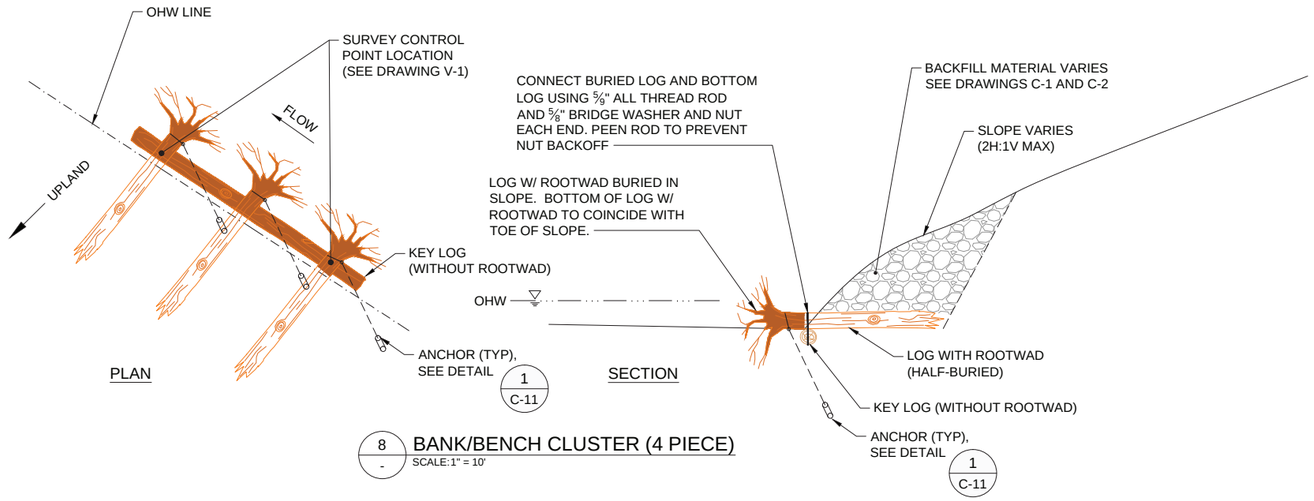
LOG STRUCTURE PLAN AND SECTION DETAILS

C-11

SHEET NO. 19 OF 27



7 - PROJECTING BANK CLUSTER (6 PIECE)
SCALE: 1" = 5'



8 - BANK/BENCH CLUSTER (4 PIECE)
SCALE: 1" = 10'

LWD TABLE:

STRUCTURE	QUANTITY	KEY LOGS WITHOUT ROOTWAD	LOGS WITH ROOTWAD	SHORT LOGS WITHOUT ROOTWAD	ROOTWADS	TOTAL PIECES OF LWD	TOTAL NUMBER OF ANCHORS
BURIED LOG	1	1	0	0	0	1	3
FALLEN TREE	33	0	33	0	0	33	66
POOL SCOUR LOG	6	0	6	0	0	6	6
BANK LOG PAIR	5	0	10	0	0	10	20
TRIANGULAR CLUSTER	10	0	20	0	10	30	30
BACKWATER CLUSTER	2	0	6	0	4	10	12
BANK/BENCH CLUSTER	4	4	0	12	0	16	12
PROJECTING CLUSTER	12	0	48	0	24	72	96
TOTAL		5	123	12	38	178	245

NOTES:

1. LOG AND ROOTWAD CONFIGURATIONS SHOWN ARE CONCEPTUAL. SEE GRADING/RESTORATION PLANS FOR PROPOSED CONFIGURATIONS. DYNAMIC STREAM CONDITIONS WILL REQUIRE FIELD ADJUSTMENT OF LWD ELEMENTS AS DIRECTED BY THE ENGINEER.
2. SEE DETAIL 1 ON DRAWING C-11 FOR TYPICAL ANCHORING DETAIL.
3. LWD ANCHORS SHALL BE MANTA-RAY MR-3 EARTH ANCHOR. SEE SPECIFICATIONS FOR INSTALLATION AND HARDWARE REQUIREMENTS.
4. FALLEN TREES MAY BE ONSITE MATERIAL GENERATED DURING CLEARING ACTIVITIES WHERE APPROVED BY THE ENGINEER. ALL OTHER LWD UNLESS OTHERWISE SPECIFIED/IDENTIFIED OTHER THAN FALLEN TREES, SHALL BE IMPORTED CONIFEROUS LOGS AND ROOTWADS. SEE SPECIFICATIONS FOR LWD SIZE, SPECIES, AND INSTALLATION REQUIREMENTS.
5. SEE SPECIFICATIONS FOR IMPORTED LWD SPECIES, DIAMETER, AND LENGTH.
6. THE ACTUAL CONFIGURATION OF ANCHORS SHALL BE FIELD VERIFIED BY THE ENGINEER.

BID SET

ONE INCH
AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

ANCHOR QEA

CITY OF ISSAQUAH WASHINGTON

GERALD A. BIBEE — STATE OF WASHINGTON — 24332 — REGISTERED PROFESSIONAL ENGINEER
10-18-13

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CHECKED BY: J. BIBEE / P.HUMMEL
APPROVED BY: P. HUMMEL
SCALE: AS NOTED
DATE: OCTOBER 2013

CONFLUENCE PARK PHASE 2 - ISSAQUAH CREEK RESTORATION

LOG STRUCTURE PLAN AND SECTION DETAILS

C-12

SHEET NO. 20 OF 27

Oct 18, 2013 4:39pm tgriga K:\Projects\0883-City of Issaquah\Confluence Park - Phase 2\Construction Plans\0883-PL-Details.dwg 20 C-12

LEGEND:

- RIPARIAN & UPLAND BUFFER
- MIDBANK ELEVATION ZONE (EXTENT OF JUTE MATTING) (2&4 / C-10)
- LOWER BANK BIO-ENGINEERED SLOPE (EXTENT OF COIR FABRIC) (2 / C-10)
- OXBOW WILLOW PLANTING
- SUPPLEMENTAL PLANTING
- UPLAND HYDROSEED
- OXBOW HYDROSEED
- APPROXIMATE EXTENT OF MTSGT* ADDITIONAL WORK AREA (N.I.C.) (ACTUAL AREAS EXTEND BEYOND THE SHEET LIMITS)
- EXISTING OHWM
- PROPOSED PHASE 2 PROJECT LIMIT
- PROPOSED OHWM
- LIMIT OF PROPOSED GRADING
- 100-FT STREAM BUFFER
- SNOW FENCE
- LIVE FASCINE

NORTH

0 20 40
SCALE IN FEET

NOTES:

1. ALL PLANTS WILL BE SUPPLIED AND INSTALLED BY THE MTSGT EXCEPT FASCINES AND HYDROSEEDING. PLANT INSTALLATION REQUIRES CLOSE COORDINATION BETWEEN MTSGT AND THE GENERAL CONTRACTOR.
2. SEE PLANT SCHEDULE, DRAWING L-3 FOR SPECIES DEFINITIONS.
3. PROVIDE AND EVENLY SPREAD 6" TOPSOIL TYPE B IN ALL PLANTING AREAS (REDUCED TO 50% RATE FOR SUPPLEMENTAL PLANTING AREAS) AND HYDROSEED AREAS.
4. PROVIDE AND SPREAD 3" OF WOOD CHIP MULCH IN ALL PLANTING AREAS EXCEPT LOWER BANK BIOENGINEERED SLOPE.
5. ALL DISTURBED AREAS BEYOND THE LIMITS OF THE PLANTING & SEEDING AREA WILL BE RESTORED WITH HYDROSEED AND GRADES/RUTS FILLED IN AND SMOOTHED OUT. REFER TO DRAWING G-4 ACCESS AND STAGING SITE PLAN.

* MOUNTAINS TO SOUND GREENWAY TRUST (MTSGT) WILL REMOVE AND REPLACE INVASIVE PLANTS WITH NATIVE PLANTS WEST OF ISSAQUAH CREEK.

FURNISHING AND INSTALLATION OF PLANT MATERIALS EXCEPT LIVE FASCINES AND HYDROSEEDING IS NOT PART OF CONTRACT AND WILL BE COMPLETED BY OTHERS.

MAIN STEM ISSAQUAH CREEK

NORTH OXBOW

AA, SR, SA, MA

FV, RN, PL, MA

SEE NOTE 6

SR, OC, MA, AA

SA, RP, RU, PV

SA, RP

SA, OC, MA

100-FT STREAM BUFFER

AA, SR, SA, MA

SA, RU

AA, OC, SA, MA

CS, SA, PC

CS, SA, PC

WETLAND C

WETLAND B

MATCHLINE - SEE DWG L-2

MATCHLINE - SEE DWG L-2

MAIN STEM ISSAQUAH CREEK

BID SET

ONE INCH AT FULL SIZE - IF NOT ONE INCH SCALE ACCORDINGLY

K:\Projects\0883-City of Issaquah\Confluence Park - Phase 2\Construction Plans\0883-L-Planting.dwg 21 L-1

Oct 18, 2013 4:39pm tgriga

ANCHOR QEA

CITY OF ISSAQUAH WASHINGTON

STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT
PETER C. RUMMEL
CERTIFICATE NO. 422

REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

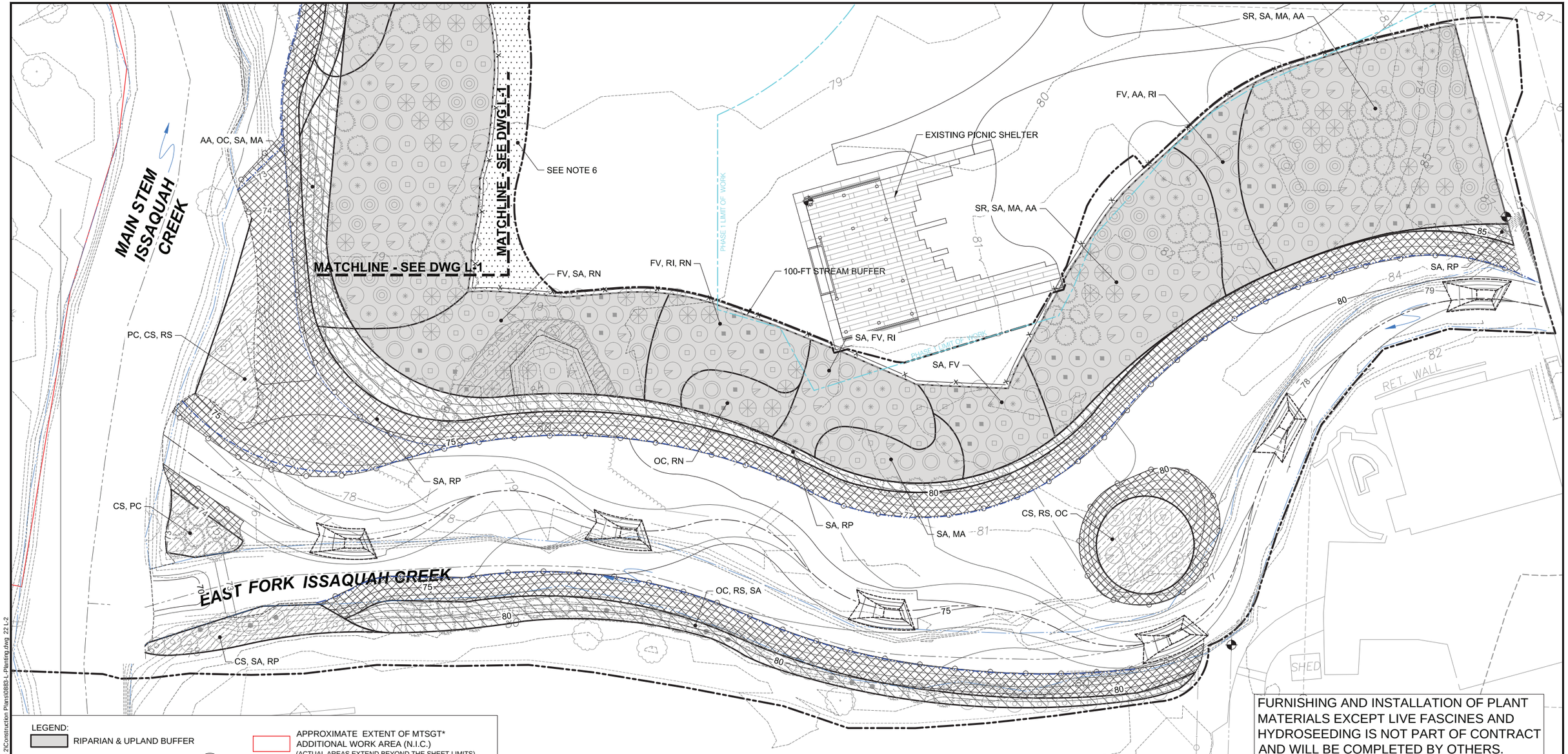
DESIGNED BY: G. SASSEN
DRAWN BY: T. GRIGA
CHECKED BY: J. BIBEE / P.HUMMEL
APPROVED BY: P. HUMMEL
SCALE: AS NOTED
DATE: OCTOBER 2013

CONFLUENCE PARK PHASE 2 - ISSAQUAH CREEK RESTORATION

PLANTING PLAN - ISSAQUAH CREEK AND NORTH OXBOW

L-1

SHEET NO. 21 OF 27



FURNISHING AND INSTALLATION OF PLANT MATERIALS EXCEPT LIVE FASCINES AND HYDROSEEDING IS NOT PART OF CONTRACT AND WILL BE COMPLETED BY OTHERS.

LEGEND:

- RIPARIAN & UPLAND BUFFER
- MIDBANK ELEVATION ZONE (EXTENT OF JUTE MATTING) (2&4 / C-10)
- LOWER BANK BIO-ENGINEERED SLOPE (EXTENT OF COIR FABRIC) (2 / C-10)
- OXBOW WILLOW PLANTING
- SUPPLEMENTAL PLANTING
- UPLAND HYDROSEED
- OXBOW HYDROSEED
- APPROXIMATE EXTENT OF MTSGT* ADDITIONAL WORK AREA (N.I.C.) (ACTUAL AREAS EXTEND BEYOND THE SHEET LIMITS)
- EXISTING OHWM
- PROPOSED PHASE 2 PROJECT LIMIT
- PROPOSED OHWM
- LIMIT OF PROPOSED GRADING
- 100-FT STREAM BUFFER
- SNOW FENCE
- LIVE FASCINE

NOTES:

1. ALL PLANTS WILL BE SUPPLIED AND INSTALLED BY THE MTSGT EXCEPT FASCINES AND HYDROSEEDING. PLANT INSTALLATION REQUIRES CLOSE COORDINATION BETWEEN MTSGT AND THE GENERAL CONTRACTOR.
2. SEE PLANT SCHEDULE, DRAWING L-3 FOR SPECIES DEFINITIONS.
3. PROVIDE AND EVENLY SPREAD 6" TOPSOIL TYPE B IN ALL PLANTING AREAS (REDUCED TO 50% RATE FOR SUPPLEMENTAL PLANTING AREAS) AND HYDROSEED AREAS.
4. PROVIDE AND SPREAD 3" OF WOOD CHIP MULCH IN ALL PLANTING AREAS EXCEPT LOWER BANK BIOENGINEERED SLOPE.
5. ALL DISTURBED AREAS BEYOND THE LIMITS OF THE PLANTING & SEEDING AREA WILL BE RESTORED WITH HYDROSEED AND GRADES/RUTS FILLED IN AND SMOOTHED OUT. REFER TO DRAWING G-4 ACCESS AND STAGING SITE PLAN.

* MOUNTAINS TO SOUND GREENWAY TRUST (MTSGT) WILL REMOVE AND REPLACE INVASIVE PLANTS WITH NATIVE PLANTS WEST OF ISSAQUAH CREEK.

NORTH

0 20 40

SCALE IN FEET

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

BID SET

ANCHOR QEA

CITY OF ISSAQUAH WASHINGTON

STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT PETER C. HUMMEL CERTIFICATE NO. 422

REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

DESIGNED BY: G. SASSEN
DRAWN BY: T. GRIGA
CHECKED BY: J. BIBEE / P.HUMMEL
APPROVED BY: P. HUMMEL
SCALE: AS NOTED
DATE: OCTOBER 2013

CONFLUENCE PARK PHASE 2 - ISSAQUAH CREEK RESTORATION

PLANTING PLAN - EAST FORK ISSAQUAH CREEK

L-2

SHEET NO. 22 OF 27

K:\Projects\0883-City of Issaquah\Confluence Park - Phase 2\Construction Plans\0883-L-Planting.dwg 22 L-2
Oct 18, 2013 4:39pm tgriga

NOT IN CONTRACT

SPECIES NAME	COMMON NAME	SIZE	SPACING	NOTES	DETAIL REFERENCE
RIPARIAN & UPLAND BUFFER ZONE					
Small to Medium Trees					
Acer circinatum	Vine Maple	2 Gal.	10' O.C.		1-4 / L-4
Alnus rubra	Red Alder	2 Gal.	10' O.C.		
Corylus cornuta	Beaked Hazelnut	2 Gal.	10' O.C.		
Crataegus douglasii	Black Hawthorne	2 Gal.	10' O.C.		
Prunus emarginata	Bitter Cherry	2 Gal.	10' O.C.		
Rhamnus pushiana	Cascara	2 Gal.	10' O.C.		
Medium to Large Trees					
Abies grandis	Grand Fir	2 Gal.	10' O.C.		
Acer macrophyllum	Big Leaf Maple	2 Gal.	10' O.C.		
Populus trichocarpa	Black Cottonwood	2 Gal.	10' O.C.		
Psuedotsuga menziesii	Douglas Fir	2 Gal.	10' O.C.		
Tsuga heterophylla	Western Hemlock	2 Gal.	10' O.C.		
Thuja plicata	Western Red Cedar	2 Gal.	10' O.C.	Plant in areas with existing shade	
Shrubs					
Symphoricarpos albus	Snowberry	1 Gal.	4' O.C.		1 / L-4
Ribes sanguineum	Redflowering Currant	1 Gal.	4' O.C.		
Mahonia aquifolium	Tall Oregon Grape	1 Gal.	4' O.C.		
Philadelphus lewisii	Mock Orange	1 Gal.	4' O.C.	Equal mix of plant species shall be used	3,4 / L-4
Rosa nutkana	Nootka Rose	1 Gal.	4' O.C.		
Oemleria cerasiformis	Indian Plum	1 Gal.	4' O.C.		
Sambucus racemosa	Red Elderberry	1 Gal.	4' O.C.		
Amelanchier alnifolia	Saskatoon Serviceberry	1 Gal.	4' O.C.		

Shrub Height: Low — Medium — High

NOT IN CONTRACT

SPECIES NAME	COMMON NAME	SIZE	SPACING	NOTES	DETAIL REFERENCE
MID BANK ELEVATIONS ZONE					
Trees					
Abies grandis	Grand Fir	2 Gal.	10' O.C.		1-4 / L-4
Salix lasiandra	Pacific Willow	2 Gal.	10' O.C.		
Thuja plicata	Western Red Cedar	2 Gal.	10' O.C.	Plant in areas with existing shade	
Shrubs					
Symphoricarpos albus	Snowberry	1 Gal.	4' O.C.	Equal mix of plant species shall be used	1 / L-4
Rosa pisocarpa	Clustered Wild Rose	1 Gal.	4' O.C.		
Rubus parviflorus	Western Thimbleberry	1 Gal.	4' O.C.		3,4 / L-4
Rubus spectabilis	Salmonberry	1 Gal.	4' O.C.		
Physocarpos capitatus	Pacific Ninebark	1 Gal.	4' O.C.		
Oemleria cerasiformis	Indian Plum	1 Gal.	4' O.C.		
Cornus sericea	Red-osier Dogwood	1 Gal.	4' O.C.		

Shrub Height: Low — Medium — High

NOT IN CONTRACT

LOWER BANK BIO-ENGINEERED SLOPE ZONE					
Livestakes					
Cornus sericea	Red-osier Dogwood	LS, 5-6' Length	2' O.C.	Plant between 0' to 2' (vertically) above OHWM	2 / C-10
Salix hookeriana	Hooker Willow	LS, 5-6' Length	2' O.C.		1,5,6 / L-4
Salix lasiandra	Pacific Willow	LS, 5-6' Length	2' O.C.		
Salix scouleriana	Scouler Willow	LS, 5-6' Length	2' O.C.		
Poles					
Populus trichocarpa	Black Cottonwood	LS, 6' Minimum Length	10' O.C.	Plant between 2' to and 3' (vertically) above OHWM	

OXBOW WILLOW PLANTING					
Livestakes					
Cornus sericea	Red-osier Dogwood	LS, 5-6' Length	2' O.C.	Plant as shown on plans	1,5 / L-4
Salix hookeriana	Hooker Willow	LS, 5-6' Length	2' O.C.		
Salix lasiandra	Pacific Willow	LS, 5-6' Length	2' O.C.		
Salix scouleriana	Scouler Willow	LS, 5-6' Length	2' O.C.		

SUPPLEMENTAL PLANTING
Enhance existing vegetation with shrub species as indicated planted at 50% density.

UPLAND HYDROSEED ECOLOGY LAWN MIX FOR CONSTRUCTION ACCESS, STAGING & STOCKPILE AREAS (SEE SHEET G-4)
See Specifications.

OXBOW HYDROSEED MIX
See Specifications.

LIVE FASCINES				
Livestakes				
Salix hookeriana	Hooker Willow	LS, 5' Minimum Length, 1/2" Minimum Diameter	As shown on plans	2 / C-10
Salix lasiandra	Pacific Willow	LS, 5' Minimum Length, 1/2" Minimum Diameter	As shown on plans	
Salix scouleriana	Scouler Willow	LS, 5' Minimum Length, 1/2" Minimum Diameter	As shown on plans	

FURNISHING AND INSTALLATION OF PLANT MATERIALS EXCEPT LIVE FASCINES AND HYDROSEEDING IS NOT PART OF CONTRACT AND WILL BE COMPLETED BY OTHERS.

ONE INCH — AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

BID SET

Oct 18, 2013 4:39pm tgriga K:\Projects\0683-City of Issaquah\Confluence Park - Phase 2\Construction Plans\0683-L-Planting.dwg 23 L-3

ANCHOR QEA

CITY OF ISSAQUAH WASHINGTON

STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT PETER C. HUMMEL CERTIFICATE NO. 422

REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

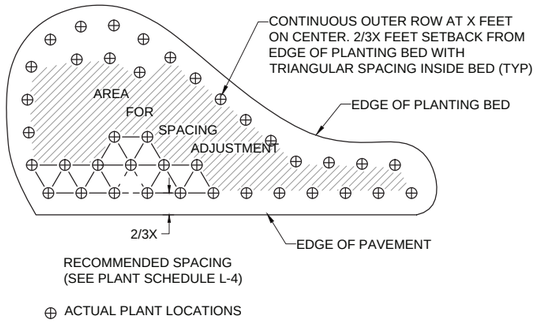
DESIGNED BY: G. SASSEN
DRAWN BY: T. GRIGA
CHECKED BY: J. BIBEE / P.HUMMEL
APPROVED BY: P. HUMMEL
SCALE: AS NOTED
DATE: OCTOBER 2013

CONFLUENCE PARK PHASE 2 - ISSAQUAH CREEK RESTORATION

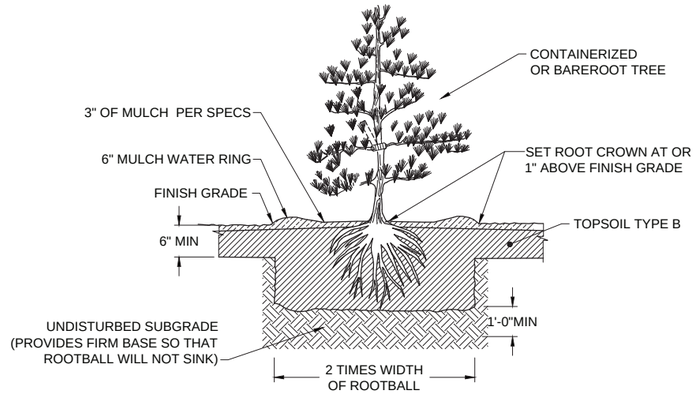
PLANT SCHEDULE

L-3

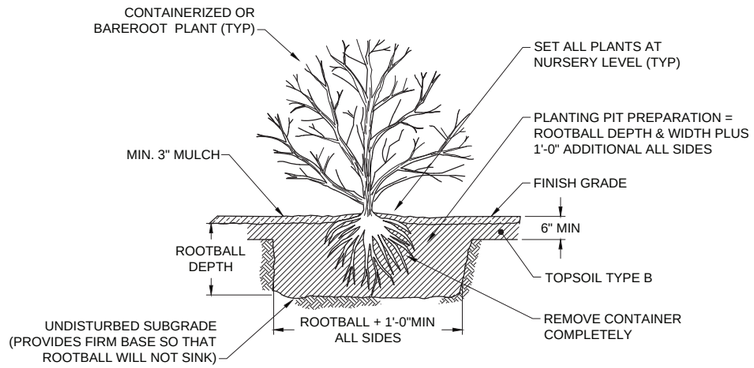
SHEET NO. 23 OF 27



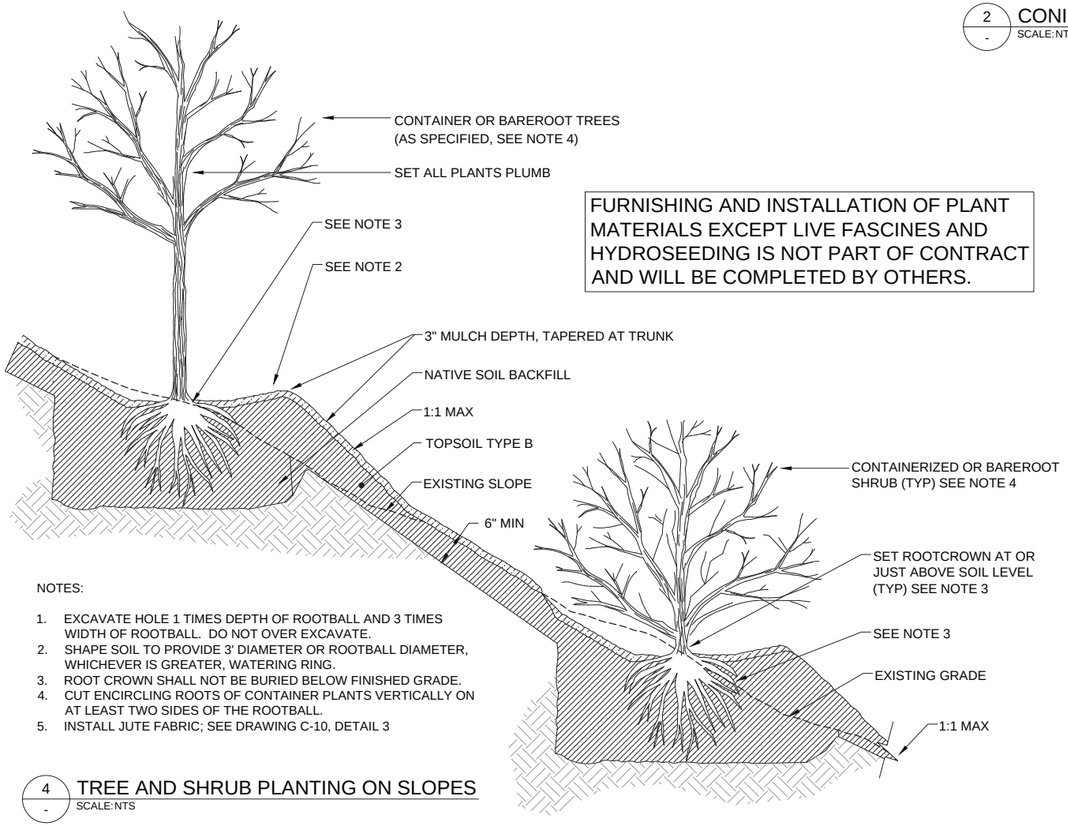
1 - PLANTING PATTERN
SCALE:NTS



2 - CONIFEROUS TREE PLANTING
SCALE:NTS



3 - SMALL TREE AND SHRUB PLANTING
SCALE:NTS

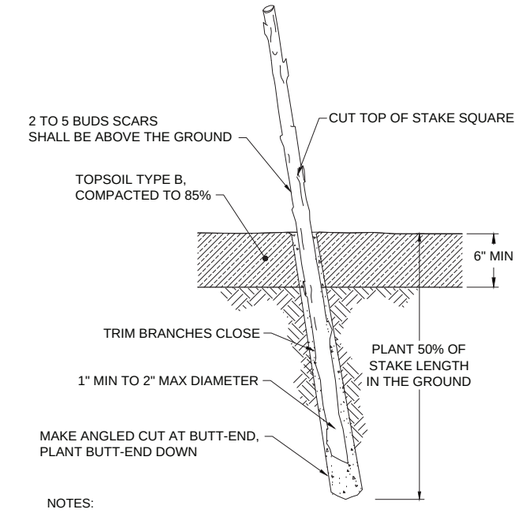


NOTES:

1. EXCAVATE HOLE 1 TIMES DEPTH OF ROOTBALL AND 3 TIMES WIDTH OF ROOTBALL. DO NOT OVER EXCAVATE.
2. SHAPE SOIL TO PROVIDE 3' DIAMETER OR ROOTBALL DIAMETER, WHICHEVER IS GREATER, WATERING RING.
3. ROOT CROWN SHALL NOT BE BURIED BELOW FINISHED GRADE.
4. CUT ENCIRCLING ROOTS OF CONTAINER PLANTS VERTICALLY ON AT LEAST TWO SIDES OF THE ROOTBALL.
5. INSTALL JUTE FABRIC; SEE DRAWING C-10, DETAIL 3

4 - TREE AND SHRUB PLANTING ON SLOPES
SCALE:NTS

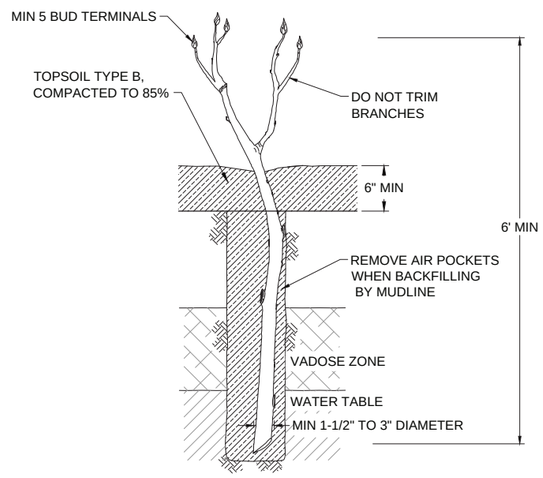
FURNISHING AND INSTALLATION OF PLANT MATERIALS EXCEPT LIVE FASCINES AND HYDROSEEDING IS NOT PART OF CONTRACT AND WILL BE COMPLETED BY OTHERS.



NOTES:

1. HARVEST AND PLANT STAKES DURING THE DORMANT SEASON.
2. MAKE CLEAN CUTS AND DO NOT DAMAGE STAKES OR SPLIT ENDS DURING INSTALLATION, USE A PILOT BAR IN FIRM SOILS.
3. SOAK CUTTINGS CONTINUOUSLY PRIOR TO INSTALLATION.
4. TAMP THE SOIL AROUND THE STAKE.
5. ONLY NURSERY GROWN STOCK SHALL BE USED. HARVESTING OF WILD PLANTS IS NOT ACCEPTABLE.
6. USE EQUAL NUMBER AND EVEN DISTRIBUTION OF EACH WILLOW SPECIES.

5 - WILLOW LIVE STAKE PLANTING
SCALE:NTS



6 - COTTONWOOD LIVESTAKE PLANTING
SCALE:NTS

BID SET

ONE INCH
AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

K:\Projects\0883-City of Issaquah\Confluence Park - Phase 2\Construction Plans\0883-L-Planting.dwg 24 L-4
Oct 18, 2013 4:39pm tgriga

ANCHOR QEA

CITY OF ISSAQUAH WASHINGTON

STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT
PETER C. HUMMEL
CERTIFICATE NO. 422

REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

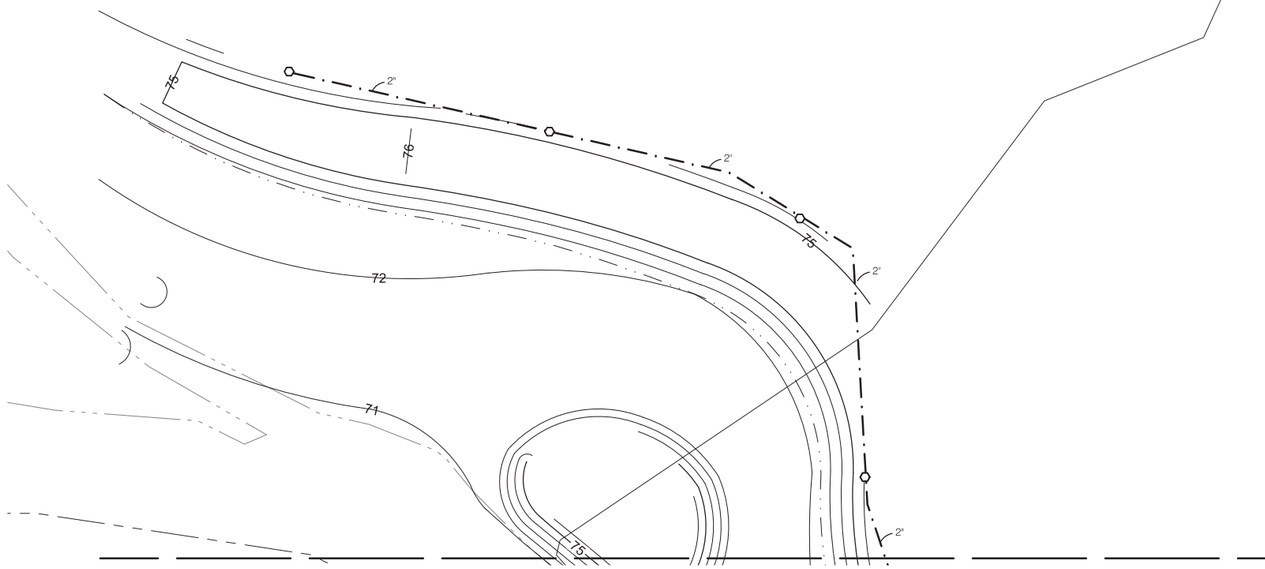
DESIGNED BY: G. SASSEN
DRAWN BY: T. GRIGA
CHECKED BY: J. BIBEE / P.HUMMEL
APPROVED BY: P. HUMMEL
SCALE: AS NOTED
DATE: OCTOBER 2013

CONFLUENCE PARK PHASE 2 - ISSAQUAH CREEK RESTORATION

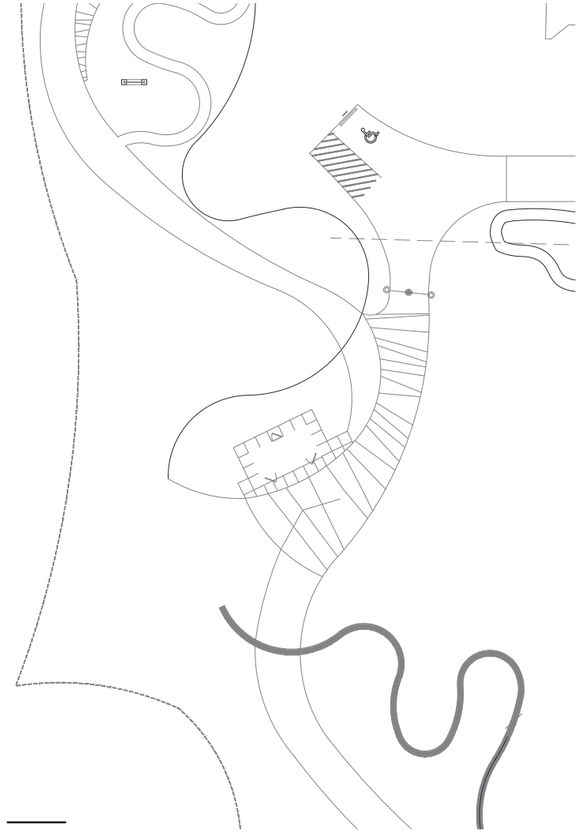
PLANTING DETAILS

L-4

SHEET NO. 24 OF 27



MATCHLINE SHEET I-2



IRRIGATION LEGEND

SYMBOL	DESCRIPTION	DETAIL #
⬡	RAINBIRD 7 1 1/2" QUICK COUPLER VALVE FOR MANUAL IRRIGATION.	1/I-3
⊕	2" WATTS B-6000-RH--MAINLINE ISOLATION VALVE,	3/I-3
— · —	MAINLINE--2" SCH. 40 PVC, SIZE AS INDICATED ON PLANS.	2/I-3

GENERAL NOTES

1. PRIOR TO THE COMMENCEMENT OF WORK, CONTRACTOR MUST VERIFY A MINIMUM OF 80 LBS. (PSI) STATIC WATER PRESSURE AT THE POINT OF CONNECTION. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCY.
2. IRRIGATION CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL UTILITIES ENCOUNTERED THROUGHOUT THE SCOPE OF WORK. CALL 48 HRS BEFORE DIGGING (1-800-424-5555).
3. ALL DRAWINGS ARE DIAGRAMMATIC. FIELD VARIANCES MAY OCCUR. NOTIFY ARCHITECT IMMEDIATELY.
4. MAINLINE LAYOUT IS DIAGRAMMATIC. IT HAS BEEN SHOWN IN HARDSCAPE FOR PURPOSE OF CLARITY.
5. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL NECESSARY SLEEVING UNDER HARDSCAPES, I.E. ROADS, SIDEWALKS, WALLS, ETC., WHETHER SPECIFICALLY INDICATED ON THE DRAWINGS OR NOT. SLEEVING SHOULD EXTEND 6" BEYOND HARDSCAPE EDGES.
6. LOCATE PIPE NEAR PERMANENT STRUCTURES WHERE POSSIBLE, I.E. ALONG EDGES OF SIDEWALKS, ETC. LEAVE PIPE SIZING FACE UP IN TRENCH TO FACILITATE REPAIR.
7. IRRIGATION CONTRACTOR IS RESPONSIBLE FOR WINTERIZATION OF SYSTEM. SYSTEM MUST BE WINTERIZED BY BLOWING OUT WITH COMPRESSED AIR.
8. PIPING MAY BE INSTALLED IN A COMMON TRENCH. ALLOW A MINIMUM OF FOUR (4") INCHES BETWEEN PARALLEL PIPE LINES. LOCATE TRENCHES TO AVOID CONFLICT WITH INSTALLATION OF TREES & SHRUBS.

NORTH

0 20 40
SCALE IN FEET

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

BID SET

PARTNERSHIP berger
1721 8th Ave N
Seattle, WA 98109
206 325 6877
bergerpartnership.com

CITY OF ISSAQUAH WASHINGTON

STATE OF WASHINGTON
LICENSED
LANDSCAPE ARCHITECT
GUY MICHAELSEN
LICENSE NO. 730
EXPIRES ON: 2/12/2015

REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

DESIGNED BY: DGF
DRAWN BY: DGF
CHECKED BY: DGF
APPROVED BY: B.WEITENSTEINER
SCALE: 1" = 20'
DATE: SEPTEMBER 2013

CONFLUENCE PARK PHASE 2 - ISSAQUAH CREEK RESTORATION

IRRIGATION PLAN-ISSAQUAH CREEK AND NORTH OXBOW

I-1

SHEET NO. 25 OF 27

MATCHLINE SHEET I-1

IRRIGATION LEGEND

SYMBOL	DESCRIPTION	DETAIL #
⬡	RAINBIRD 7 1 1/2" QUICK COUPLER VALVE FOR MANUAL IRRIGATION.	1/I-3
⊕	2" WATTS B-6000-RH--MAINLINE ISOLATION VALVE,	3/I-3
— · —	MAINLINE--2" SCH. 40 PVC, SIZE AS INDICATED ON PLANS.	2/I-3

GENERAL NOTES

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3. ALL DRAWINGS ARE DIAGRAMMATIC. FIELD VARIANCES MAY OCCUR. NOTIFY ARCHITECT IMMEDIATELY.
4. MAINLINE LAYOUT IS DIAGRAMMATIC. IT HAS BEEN SHOWN IN HARDSCAPE FOR PURPOSE OF CLARITY.
5. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL NECESSARY SLEEVING UNDER HARDSCAPES, I.E. ROADS, SIDEWALKS, WALLS, ETC., WHETHER SPECIFICALLY INDICATED ON THE DRAWINGS OR NOT. SLEEVING SHOULD EXTEND 6" BEYOND HARDSCAPE EDGES.
6. LOCATE PIPE NEAR PERMANENT STRUCTURES WHERE POSSIBLE, I.E. ALONG EDGES OF SIDEWALKS, ETC. LEAVE PIPE SIZING FACE UP IN TRENCH TO FACILITATE REPAIR.
7. IRRIGATION CONTRACTOR IS RESPONSIBLE FOR WINTERIZATION OF SYSTEM. SYSTEM MUST BE WINTERIZED BY BLOWING OUT WITH COMPRESSED AIR.
8. PIPING MAY BE INSTALLED IN A COMMON TRENCH. ALLOW A MINIMUM OF FOUR (4") INCHES BETWEEN PARALLEL PIPE LINES. LOCATE TRENCHES TO AVOID CONFLICT WITH INSTALLATION OF TREES & SHRUBS.

TIE INTO EXISTING PHASE 1 MAINLINE STUB OUT. INSTALL 2" ISOLATION AT BRANCH POINT AS SHOWN.

ISSAQUAH CREEK

EAST FORK ISSAQUAH CREEK

UTIL

RET. WALL

NORTH

0 20 40

SCALE IN FEET

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

BID SET

PARTNERSHIP berger
1721 8th Ave N
Seattle, WA 98109
206 325 6877
bergerpartnership.com

CITY OF ISSAQUAH WASHINGTON

STATE OF WASHINGTON
LICENSED LANDSCAPE ARCHITECT
GUY MICHAELSEN
LICENSE NO. 730
EXPIRES ON: 2/12/2015

REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

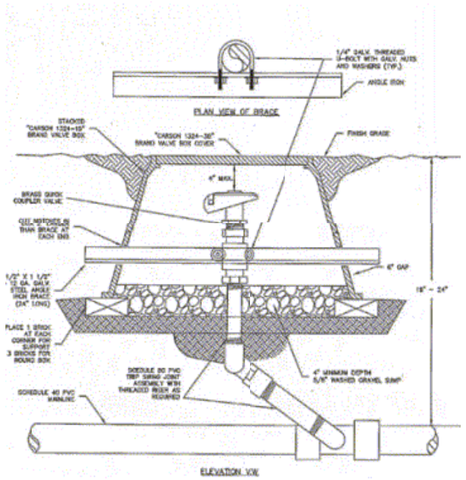
DESIGNED BY: DGF
DRAWN BY: DGF
CHECKED BY: DGF
APPROVED BY: B. WEITENSTEINER
SCALE: 1" = 20'
DATE: AUGUST 2013

CONFLUENCE PARK PHASE 2 - ISSAQUAH CREEK RESTORATION

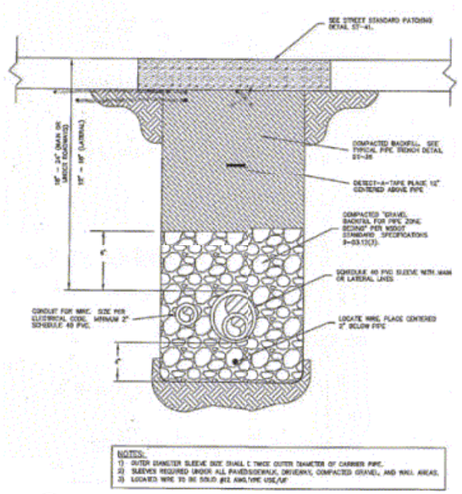
IRRIGATION PLAN - EAST FORK ISSAQUAH CREEK

I-2

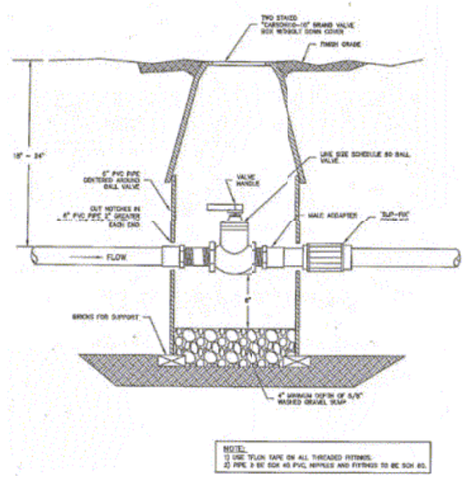
SHEET NO. 26 OF 27



1 QUICK COUPLER VALVE
SCALE: N.T.S.



2 TRENCHING DETAIL
SCALE: N.T.S.



3 MAINLINE ISOLATION VALVE
SCALE: N.T.S.

BID SET

ONE INCH
AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

PARTNERSHIP berger
1721 8th Ave N
Seattle, WA 98109
206 325 6877
bergerpartnership.com

CITY OF ISSAQUAH WASHINGTON

STATE OF WASHINGTON
LICENSED
LANDSCAPE ARCHITECT
GUY MICHAELSEN
LICENSE NO. 730
EXPIRES ON: 2/12/2015

REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

DESIGNED BY: DGF
DRAWN BY: DGF
CHECKED BY: DGF
APPROVED BY: B.WEITENSTEINER
SCALE: AS NOTED
DATE: AUGUST 2013

CONFLUENCE PARK PHASE 2 - ISSAQUAH CREEK RESTORATION

IRRIGATION DETAILS

I-3

SHEET NO. **27** OF **27**

Aug 28, 2013 11:24am andym
G:\1PROJECTIC\Confluence Park\Drawings\Incoming\2013-08-27 (DFI 100%)\CP-ph2-IRRI-BID.dwg I-3