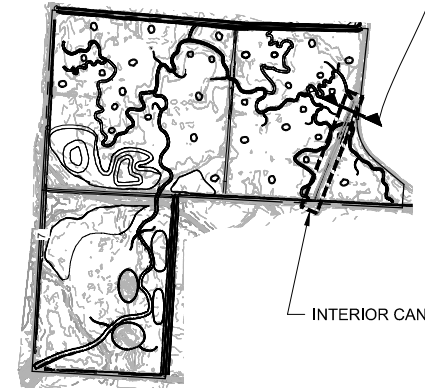


EDGE OF FILL AREA

— EXISTING CANAL BATHYMETRY
TO BE FILLED

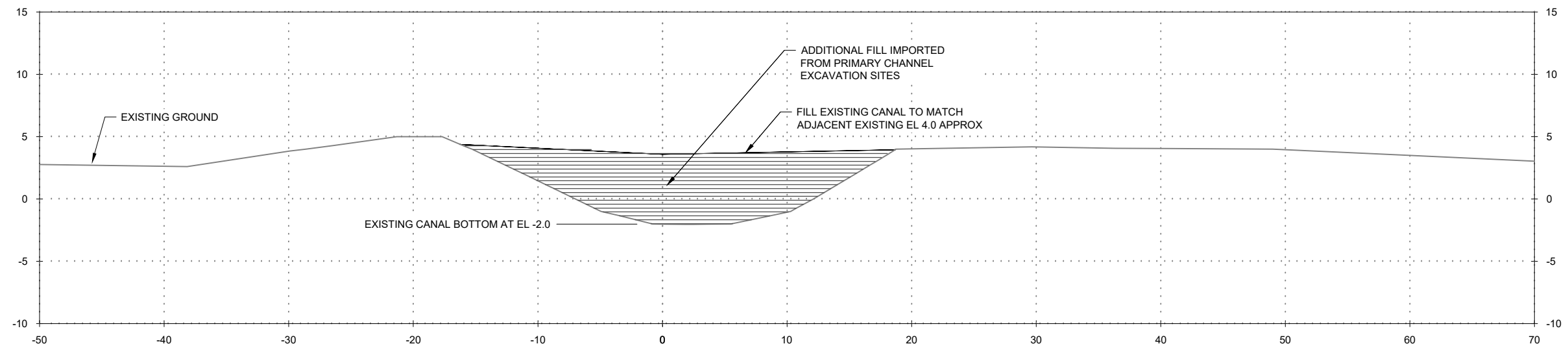
— EDGE OF FILL AREA



LEGEND

LOCATION OF PLAN
AND SECTION SHOWN
ON THIS SHEET

— INTERIOR CANAL 2 FILL



— ADDITIONAL FILL IMPORTED
FROM PRIMARY CHANNEL
EXCAVATION SITES

FILL EXISTING CANAL TO MATCH
ADJACENT EXISTING EL 4.0 APPROX

EXISTING CANAL BOTTOM AT EL -2.0

PLAN
INTERIOR CANAL FILL 2B

SCALE: 1"=5'



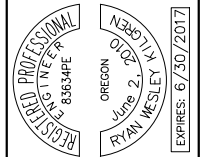
SECTION
INTERIOR CANAL FILL 2B

HORZ 1"=5'; VERT 1"=5'

$$\frac{2}{\text{CO}_2}$$

FINAL DESIGN

RK/TB/MM DESIGNED	AUG 2015			
MAR DRAWN	AUG 2015			
WTF CHECKED	AUG 2015			
APPROVED		MARK	DESCRIPTION	DATE



TETRA TECH, INC.
1020 SW Taylor Street
Suite 530
Portland, OR 97205
(P) 503-223-5388
(F) 503-228-8631



WINTER LAKE RESTORATION PROJECT

INTERIOR CANAL FILL 2B

COQUILLE, OREGON



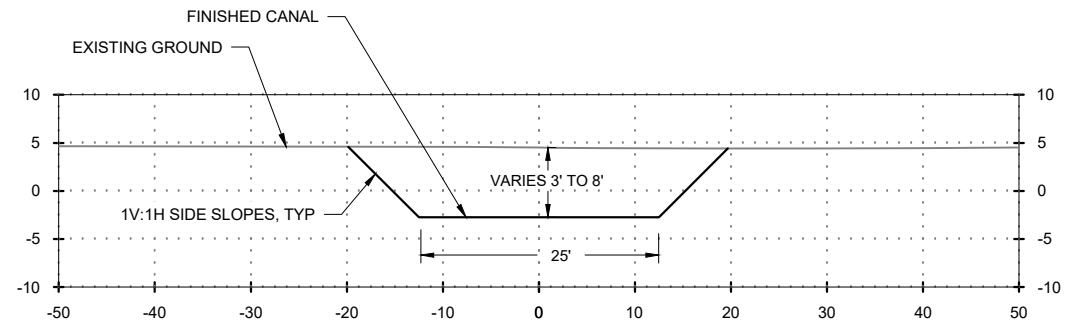
THE NATURE CONSERVANCY
87200 RATHBONE RD.
EUGENE, OR 97402

PROJECT NO.
32071

FILE NAME:

DRAWING NO.
C27

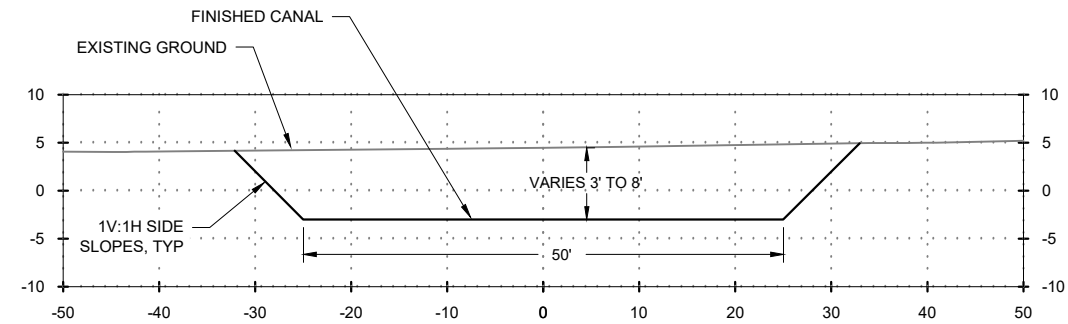
SHT
NO 29 OF --



TYP PRIMARY CHANNEL
25-FT BOTTOM WIDTH SECTION

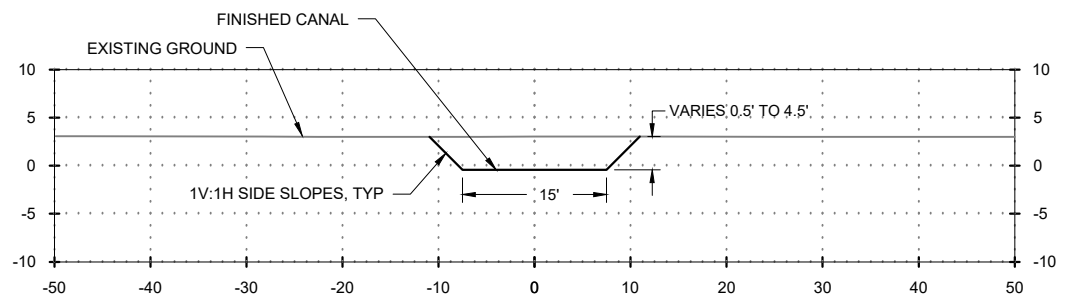
HORZ 1"=10'; VERT 1"=10'

1
-



TYP PRIMARY CHANNEL
50-FT BOTTOM WIDTH SECTION

HORZ 1"=10'; VERT 1"=10'	2 -
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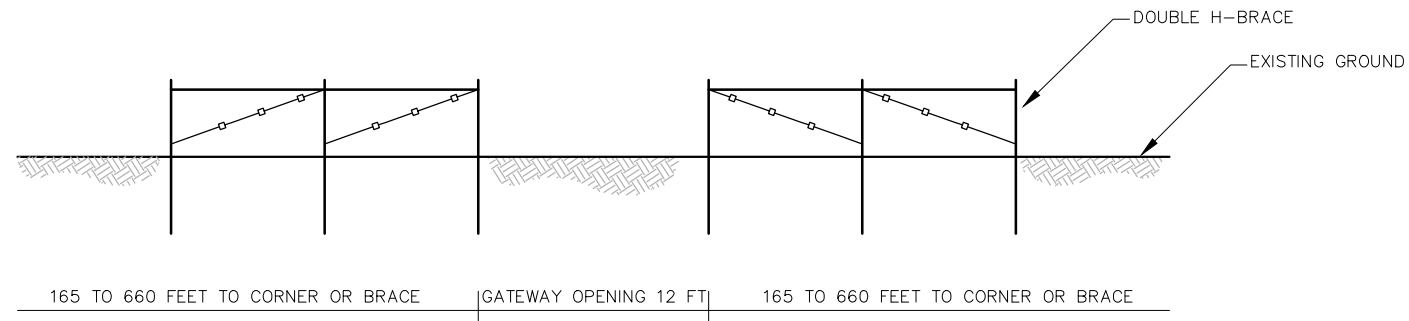
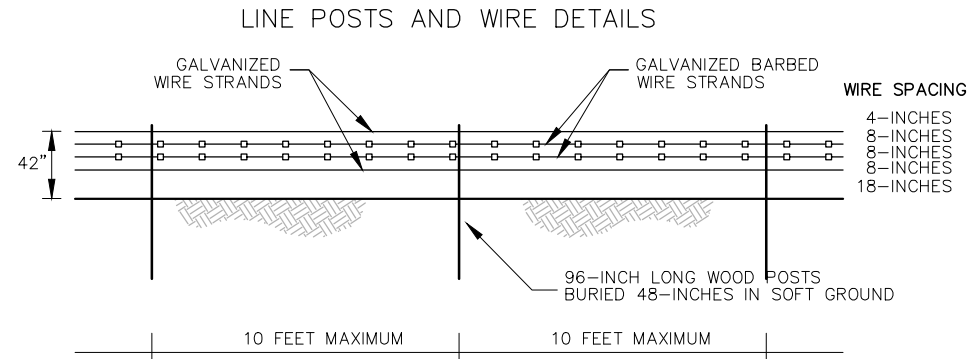
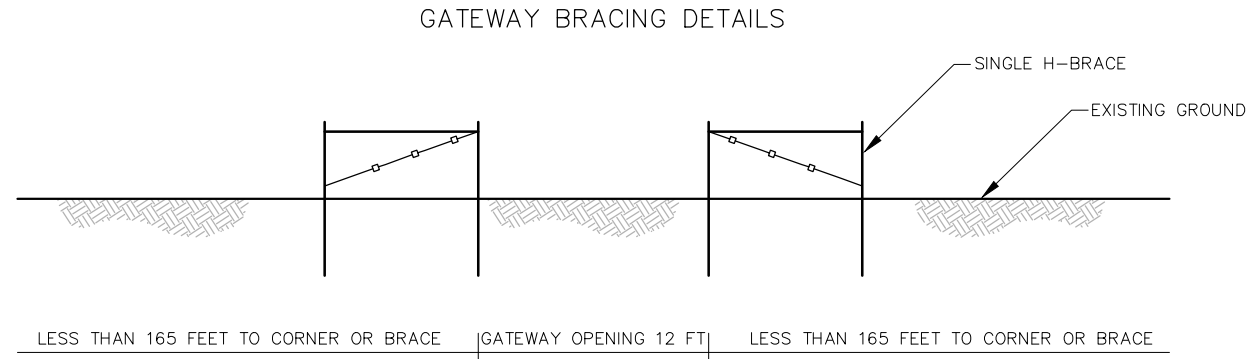
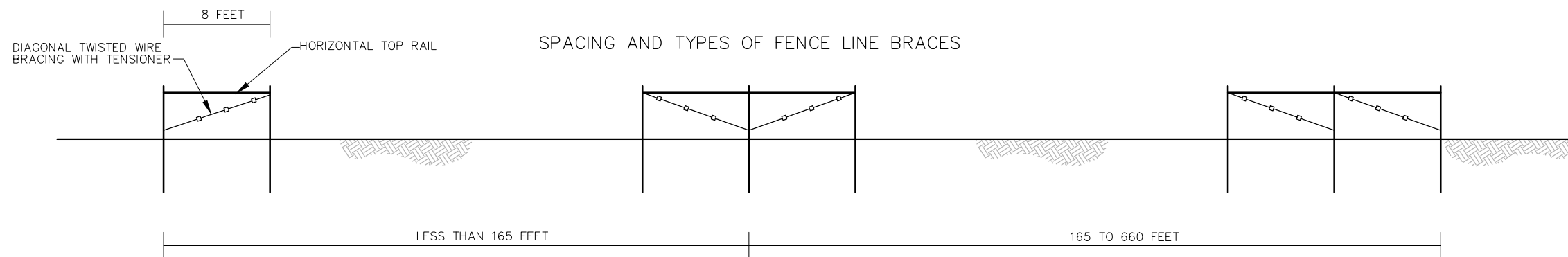
**TYP SECONDARY CHANNEL
15-FT BOTTOM WIDTH SECTION**

HORZ 1"=10'; VERT 1"=10'

3
-

NOTE:

1. SEE TABLES ON SHEET C31 AND C32 FOR PROPOSED CANAL ALIGNMENT COORDINATES, BOTTOM, ELEVATIONS AND BOTTOM WIDTH.



FENCE DETAILS

SCALE: 1"=5'

1
—

FINAL DESIGN

 The Nature Conservancy Protecting nature. Preserving life.™ THE NATURE CONSERVANCY 87700 RATHBONE RD. EUGENE, OR 97402		WINTER LAKE RESTORATION PROJECT FENCE DETAILS COQUILLE, OREGON		 TETRA TECH, INC. 1020 SW Taylor Street Suite 530 Portland, OR 97205 (P) 503-223-5388 (F) 503-228-8631				DESIGNED AUG. 2015		
						DRAWN MAR		AUG 2015		
						CHECKED WTF		AUG 2015		
						APPROVED ---				
						MARK DESCRIPTION				DATE

PRIMARY CHANNEL 1

CHANNEL		CENTERLINE	CENTERLINE	PROPOSED	BOTTOM
STA	NOTES	NORTHING	EASTING	BTM ELEV	WIDTH
0	At New Tide Gate Structure	3919056.66	579697.05	-3.0	50
50		3919099.64	579722.58	-3.0	50
100		3919143.19	579747.14	-3.0	50
150		3919187.30	579770.69	-3.0	50
200		3919232.02	579793.04	-3.0	50
250		3919277.28	579814.29	-3.0	50
300		3919323.03	579834.46	-3.0	50
350		3919369.31	579853.37	-3.0	50
400		3919416.06	579871.10	-3.0	50
450		3919463.22	579887.71	-3.0	50
500		3919510.83	579902.98	-3.0	50
550		3919558.80	579917.05	-3.0	50
600		3919607.11	579929.97	-3.0	50
650		3919655.97	579940.53	-3.0	50
700		3919704.90	579950.77	-3.0	50
750		3919753.11	579963.99	-3.0	50
800		3919800.62	579979.57	-3.0	50
850		3919847.26	579997.54	-3.0	50
900		3919892.57	580018.64	-3.0	50
950		3919935.92	580043.51	-3.0	50
1000		3919977.35	580071.49	-3.0	50
1050	Confluence of SC 1	3920016.55	580102.50	-3.0	50
1100		3920052.42	580137.29	-3.0	50
1150		3920082.53	580177.12	-3.0	50
1200	DS End CCGC Tidal Depression No 1	3920111.48	580217.84	-3.0	50
1250		3920146.48	580253.46	-3.0	50
1300		3920183.78	580286.76	-3.0	50
1350		3920221.28	580319.83	-3.0	50
1400		3920259.85	580351.63	-3.0	50
1450		3920300.64	580380.52	-3.0	50
1500		3920345.12	580403.16	-3.0	50
1550		3920393.08	580417.06	-3.0	50
1600		3920442.46	580424.82	-3.0	50
1650		3920492.19	580429.94	-3.0	48
1700		3920541.89	580435.43	-3.0	46
1750		3920591.20	580443.53	-3.0	44
1800		3920639.04	580457.84	-3.0	42
1850	DS End CCGC Tidal Depression No 2	3920685.43	580476.49	-3.0	42
1900		3920725.23	580504.99	-3.0	42
1950		3920739.73	580552.47	-3.0	42
2000		3920742.48	580602.27	-3.0	42
2050		3920736.57	580651.88	-3.0	42
2100		3920723.58	580700.10	-3.0	40
2150		3920704.11	580746.11	-3.0	38
2200		3920677.99	580788.68	-3.0	36
2250		3920643.85	580824.94	-3.0	34
2300	US End CCGC Tidal Depression No 3	3920607.65	580858.52	-3.0	34
2350		3920593.12	580906.00	-3.0	34
2400		3920597.76	580955.53	-3.0	34
2450		3920612.02	581003.39	-3.0	32
2500		3920634.95	581047.73	-3.0	30
2550		3920668.23	581084.51	-3.0	28
2600		3920710.74	581110.81	-3.00	26
2650		3920746.70	581145.15	-3.00	25
2700		3920769.13	581189.22	-3.00	25
2750		3920769.43	581239.03	-3.00	25
2800		3920761.97	581288.47	-3.00	25
2850		3920750.58	581337.11	-3.00	25
2900	US End CCGC Tidal Depression No 4	3920732.44	581383.65	-3.00	25
2950		3920707.50	581426.88	-3.00	25
3000		3920676.58	581466.16	-3.00	25
3050		3920647.29	581506.66	-3.00	25
3100		3920619.23	581548.05	-3.00	25
3150		3920592.41	581590.24	-3.00	25
3200		3920567.32	581633.49	-2.75	25
3250		3920565.47	581681.26	-2.75	25
3300		3920569.38	581725.14	-2.75	25
3350		3920618.48	581765.76	-2.75	25
3400		3920652.23	581802.60	-2.75	25
3450		3920692.94	581831.16	-2.75	25
3500		3920738.17	581852.43	-2.75	25
3550		3920777.29	581883.23	-2.75	25
3600		3920808.73	581921.96	-2.75	25
3650		3920827.90	581967.49	-2.75	25
3700		3920831.85	582017.23	-2.75	25
3750		3920827.58	582067.04	-2.75	25
3800		3920824.95	582116.92	-2.75	25
3850		3920835.19	582165.60	-2.75	25
3900		3920854.48	582211.69	-2.75	25
3950		3920877.48	582256.06	-2.75	25
4000		3920904.35	582298.20	-2.75	25
4050		3920935.65	582337.15	-2.75	25
4100		3920972.49	582370.83	-2.75	25
4150		3921010.24	582403.52	-2.75	25
4200		3921040.72	582442.91	-2.75	25
4250		3921049.65	582491.11	-2.75	25
4300		3921032.74	582537.65	-2.50	25
4350		3920997.45	582572.65	-2.50	25

PRIMARY CHANNEL 1, CONT

4400		3920952.28	582593.93	-2.50	25
4450		3920913.40	582624.50	-2.50	25
4500		3920889.63	582667.95	-2.50	25
4550		3920888.08	582717.67	-2.50	25
4600		3920896.44	582766.93	-2.50	25
4650		3920919.60	582810.96	-2.50	25
4700		3920950.32	582850.39	-2.50	25
4750		3920980.52	582890.19	-2.50	25
4800		3920999.81	582935.95	-2.50	25
4850		3921004.34	582985.67	-2.50	25
4900		3920995.23	583034.59	-2.50	25
4950		3920977.41	583081.25	-2.50	25
5000		3920948.63	583121.65	-2.25	25
5050		3920908.93	583152.00	-2.25	25
5100		3920882.38	583193.63	-2.25	25
5150		3920871.31	583242.27	-2.25	25
5200		3920869.74	583292.11	-2.25	25
5250		3920876.36	583341.66	-2.25	25
5300		3920886.53	583390.57	-2.25	25
5350		3920905.66	583436.60	-2.25	25
5400	Confluence of SC 6	3920946.59	583464.39	-2.25	25
5450		3920974.03	583503.03	-2.25	25
5500		3920976.23	583552.88	-2.25	25
5550		3920962.07	583600.15	-2.25	25
5600		3920926.59	583634.81	-2.25	25
5650		3920880.02	583650.87	-2.25	25
5700	Junction of PC 1 with PC 2 & PC 3	3920830.08	583649.95	-2.00	25

PRIMARY CHANNEL 2

CHANNEL		CENTERLINE	CENTERLINE	PROPOSED	BOTTOM
STA	NOTES	NORTHING	EASTING	BTM ELEV	WIDTH
0	At Confluence of PC 1, PC 2 & PC 3	3920797.05	583698.82	-2.0	25
50		3920747.12	583696.48	-2.0	25
100		3920697.21	583693.92	-2.0	25
150		3920647.55	583688.14	-2.0	25
200		3920600.66	583675.56	-2.0	25
250		3920600.05	583626.53	-2.0	25
300		3920614.86	583579.17	-1.8	25
350		3920638.77	583535.29	-1.8	25
400		3920646.05	583486.78	-1.8	25
450		3920617.93	583449.52	-1.8	25
500		3920568.88	583441.94	-1.8	25
550		3920519.23	583447.50	-1.8	25
600		3920469.65	583453.51	-1.6	25
650		3920422.87	583439.99	-1.6	25
700		3920398.01	583398.64	-1.6	25
750		3920419.91	583354.04	-1.6	25
800		3920454.25	583317.75	-1.6	25
850		3920483.45	583277.48	-1.6	25
900		3920491.35	583229.44	-1.4	25
950		3920458.49	583195.25	-1.4	25
1000		3920415.16	583171.05	-1.4	25
1050		3920390.21	583128.06	-1.4	25
1100		3920347.07	583103.53	-1.4	25
1150		3920298.11	583093.61	-1.4	25
1200		3920255.17	583069.88	-1.2	25
1250		3920229.64	583027.55	-1.2	25
1300		3920211.90	582980.96	-1.2	25
1350		3920179.77	582942.87	-1.2	25
1400		3920135.18	582921.37	-1.2	25
1450	At Tip of 180 Degree Bend	3920085.86	582924.28	-1.2	25
1500		3920044.86	582950.10	-1.0	25
1550		3920067.15	582992.15	-1.0	25
1600		3920093.68	583033.16	-1.0	25
1650		3920079.29	583077.57	-1.0	25
1700		3920042.75	583111.58	-1.0	25
1750		3920029.78	583159.08	-1.0	25
1800		3920029.70	583209.07	-0.8	25
1850		3920020.71	583257.99	-0.8	25
1900		3919988.81	583293.92	-0.8	25
1950		3919948.62	583322.18	-0.8	25
2000		3919940.77	583370.50	-0.8	25
2050		3919970.02	583407.45	-0.8	25
2100		3920018.92	583417.48	-0.6	25
2150		3920044.28	583450.22	-0.6	25
2200		3920011.06	583486.56	-0.6	25
2250		3919978.14	583523.23	-0.6	25
2300		3919973.95	583571.72	-0.6	25
2350		3919988.33	583619.46	-0.6	25
2400		3920004.20	583666.82	-0.4	25
2450		3920001.40	583716.19	-0.4	25
2500		3919985.81	583763.69	-0.4	25
2550		3919978.25	583812.68	-0.4	25
2600		3920003.54	583852.62	-0.4	25
2650		3920052.11	583861.64	-0.4	25
2700		3920101.66	583866.01	-0.2	25
2750		3920145.00	583890.51	-0.2	25
2800		3920182.56	583923.42	-0.2	25
2850		3920212.72	583963.16	-0.2	25
2900		3920232.40	584008.93	-0.2	25
2950		3920226.16	584057.73	-0.2	25
3000		3920196.86	584098.08	0.0	25
3050		3920162.19	584134.02	0.0	25
3100	At Confluence of PC 2A & PC 2B	3920121.08	584162.09	0.0	25

PRIMARY CHANNEL 2A

CHANNEL		CENTERLINE	CENTERLINE	PROPOSED	BOTTOM
STA	NOTES	NORTHING	EASTING	BTM ELEV	WIDTH
	Primary Channel 2A				
0	At Confluence of PC 2A & PC 2B	3920099.22	584170.58	0.0	25
50		3920052.77	584188.95	0.0	25
100		3920014.00	584219.61	0.0	25
150		3920002.33	584267.90	0.0	25
200		3920001.58	584317.85	0.0	25
250		3919085.61	584365.03	0.0	25
300		3919058.68	584407.06	0.0	25
350		3919017.97	584433.10	0.0	25
400		3918969.18	584425.24	0.0	25
450		3919853.02	584383.55	0.0	25
500		3919844.67	584335.98	0.0	25
550		3919809.35	584301.26	0.0	25
600		3919761.02	584301.39	0.0	25
650		3919712.05	584306.21	0.0	25
700		3919667.73	584283.52	0.0	25
750		3919622.77	584262.24	0.0	25
800		3919573.75	584259.59	0.0	25
850		3919529.09	584281.59	0.0	25
900		3919493.53	584316.34	0.0	25
950		3919473.45	584361.76	0.0	25
1000		3919474.00	584411.29	0.0	25

PRIMARY CHANNEL 2B

CHANNEL		CENTERLINE	CENTERLINE	PROPOSED	BOTTOM
STA	NOTES	NORTHING	EASTING	BTM ELEV	WIDTH
	Primary Channel 2B				
0	At Confluence of PC 2A & PC 2B	3920099.14	584170.34	0.0	25
50		3920067.49	584132.00	0.0	25
100		3920022.23	584121.72	0.0	25
150		3919980.47	584148.00	0.0	25
200		3919945.42	584122.64	0.0	25
250		3919906.72	584099.65	0.0	25
300		3919874.54	584135.18	0.0	25
350		3919826.51	584136.53	0.0	25
400		3919803.54	584093.91	0.0	25
450		3919790.58	584051.24	0.0	25
500		3919743.00	584060.31	0.0	25
550		3919693.99	584058.99	0.0	25
600		3919666.83	584020.79	0.0	25
650		3919667.32	583979.48	0.0	25
700		3919629.44	583990.14	0.0	25
750		3919624.81	584039.81	0.0	25
800		3919594.56	584027.59	0.0	25
850		3919548.71	584016.77	0.0	25
900		3919504.71	584039.00	0.0	25

 The Nature Conservancy Protecting nature. Preserving life.[®] THE NATURE CONSERVANCY 87200 RAITHBONE RD. EUGENE, OR 97402		WINTER LAKE RESTORATION PROJECT COORDINATE TABLES CHANNEL LAYOUT 1 COQUILLE, OREGON		Tt TETRA TECH, INC. 1020 SW Taylor Street Suite 530 Portland, OR 97205 (P) 503-223-5388 (F) 503-228-8631 REGISTERED PROFESSIONAL EUGENE, OREGON 8.634PE OREGON June 2, 2017 RYAN WESLEY EXPIRES: 6/30/2017		RK/TB/MM DESIGNED AUG 2015	MARK DESCRIPTION	DATE
PROJECT NO. 32071		FILE NAME:		DRAWING NO. C30		SHT NO 32 OF --	APPROVED	

PRIMARY CHANNEL 3

CHANNEL		CENTERLINE	CENTERLINE	PROPOSED	BOTTOM
STA	NOTES	NORTHING	EASTING	BTM ELEV	WIDTH
0	At Confluence of PC 1, PC 2 & PC 3	3920797.05	583698.82	-2.0	25
50		3920822.97	583740.33	-2.0	25
100		3920833.55	583789.19	-2.0	25
150		3920838.21	583838.95	-2.0	25
200		3920839.71	583888.92	-2.0	25
250		3920842.01	583938.86	-2.0	25
300		3920849.98	583988.14	-2.0	25
350	Confluence of SC 7	3920861.82	584036.72	-2.0	25
400		3920886.03	584079.64	-2.0	25
450		3920931.29	584095.20	-2.0	25
500		3920975.11	584073.33	-1.8	25
550		3921002.30	584031.60	-1.8	25
600	Confluence of SC 8	3921044.39	584010.80	-1.8	25
650		3921091.31	584025.46	-1.8	25
700		3921088.05	584073.34	-1.8	25
750		3921064.21	584117.23	-1.8	25
800		3921054.84	584165.61	-1.8	25
850	Confluence of PC 3A	3921066.30	584213.75	-1.8	25
900		3921097.03	584252.62	-1.8	25
950		3921134.81	584285.13	-1.8	25
1000		3921150.25	584332.17	-1.6	25
1050		3921160.90	584380.87	-1.6	25
1100		3921191.45	584419.90	-1.6	25
1150		3921235.98	584441.85	-1.6	25
1200		3921285.00	584451.10	-1.6	25
1250		3921334.89	584450.75	-1.6	25
1300		3921384.21	584442.66	-1.6	25
1350		3921433.09	584432.15	-1.6	25
1400		3921481.72	584420.55	-1.6	25
1450		3921529.62	584406.26	-1.6	25
1500		3921576.36	584388.56	-1.4	25
1550		3921621.14	584366.37	-1.4	25
1600		3921664.25	584341.06	-1.4	25
1650		3921705.34	584312.60	-1.4	25
1700		3921744.58	584281.65	-1.4	25
1750		3921779.11	584245.57	-1.4	25
1800		3921800.69	584201.58	-1.4	25
1850		3921799.93	584151.63	-1.4	25
1900		3921813.56	584104.07	-1.4	25
1950		3921840.27	584061.83	-1.4	25
2000		3921863.18	584017.62	-1.2	25
2050		3921867.41	583968.10	-1.2	25
2100	Confluence of SC 9	3921874.60	583918.98	-1.2	25
2150		3921914.25	583890.63	-1.2	25
2200		3921962.38	583877.20	-1.2	25
2250		3921998.76	583844.20	-1.2	25
2300		3922022.12	583800.23	-1.2	25
2350		3922042.39	583754.58	-1.2	25
2400		3922074.63	583716.73	-1.2	25
2450		3922121.66	583701.27	-1.2	25
2500		3922171.50	583699.41	-1.0	25
2550		3922221.00	583705.94	-1.0	25
2600		3922266.70	583725.41	-1.0	25
2650		3922311.71	583746.78	-1.0	25
2700		3922361.43	583747.72	-1.0	25
2750		3922407.85	583731.68	-1.0	25
2800		3922457.80	583747.72	-1.0	25

PRIMARY CHANNEL 3A

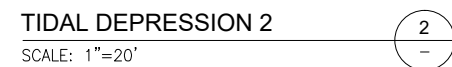
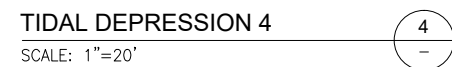
CHANNEL		CENTERLINE	CENTERLINE	PROPOSED	BOTTOM
STA	NOTES	NORTHING	EASTING	BTM ELEV	WIDTH
0	At Confluence of PC 3A & PC 3	3921308.16	584455.58	0.0	25
50		3921311.04	584505.50	0.0	25
100		3921326.22	584553.05	0.0	25
150		3921344.76	584599.40	0.0	25
200		3921370.51	584641.80	0.0	25
250		3921402.29	584680.40	0.0	25

PRIMARY CHANNEL 3B

CHANNEL		CENTERLINE	CENTERLINE	PROPOSED	BOTTOM
STA	NOTES	NORTHING	EASTING	BTM ELEV	WIDTH
0	At Confluence of PC 3B, PC 3 & PC 4	3922418.12	583709.85	-1.0	25
50		3922466.14	583696.25	-1.0	25
100		3922514.99	583686.77	-1.0	25
150		3922545.70	583722.98	-1.0	25
200		3922549.34	583771.76	-1.0	25
250		3922531.19	583817.95	-1.0	25
300		3922502.29	583858.69	-1.0	25
350		3922468.66	583895.68	-1.0	25
400		3922435.82	583933.38	-0.8	25
450		3922404.70	583972.49	-0.8	25
500		3922377.95	584014.69	-0.8	25
550		3922362.73	584061.78	-0.8	25
600		3922399.69	584088.52	-0.8	25
650		3922435.98	584057.62	-0.8	25
700		3922485.25	584050.28	-0.8	25
750		3922534.93	584046.03	-0.8	25
800		3922578.18	584021.96	-0.6	25
850		3922625.90	584007.39	-0.6	25
900		3922675.13	583998.84	-0.6	25
950		3922724.95	583994.92	-0.6	25
1000		3922761.51	584022.12	-0.6	25
1050		3922734.38	584060.20	-0.6	25
1100		3922693.54	584086.90	-0.6	25
1150		3922688.23	584136.33	-0.6	25
1200		3922685.79	584185.82	-0.4	25
1250		3922696.31	584234.46	-0.4	25
1300		3922727.43	584273.50	-0.4	25
1350		3922754.99	584315.14	-0.4	25
1400		3922785.92	584351.47	-0.4	25
1450		3922809.37	584387.87	-0.4	25
1500		3922786.09	584430.82	-0.4	25
1550		3922739.96	584448.59	-0.4	25
1600		3922691.16	584442.00	-0.2	25
1650		3922654.81	584409.34	-0.2	25
1700		3922635.89	584364.81	-0.2	25
1750		3922590.57	584378.24	-0.2	25
1800		3922586.19	584421.41	-0.2	25
1850		3922537.96	584414.81	-0.2	25
1900		3922493.28	584393.49	-0.2	25
1950		3922489.79	584429.59	-0.2	25
2000		3922514.09	584467.34	0.0	25
2050		3922505.73	584515.67	0.0	25
2100		3922460.65	584528.38	0.0	25
2150		3922457.80	584562.09	0.0	25
2200		3922496.23	584589.60	0.0	25

PRIMARY CHANNEL 4

CHANNEL		CENTERLINE	CENTERLINE	PROPOSED	BOTTOM
STA	NOTES	NORTHING	EASTING	BTM ELEV	WIDTH
0	At Confluence of PC 3, PC 3B & PC 4	3922415.03	583709.99	-1.0	25
50		3922409.42	583660.86	-1.0	25
100		3922382.66	583619.52	-1.0	25
150		3922338.68	583595.93	-1.0	25
200		3922302.90	583562.42	-1.0	25
250	Confluence of SC 10	3922287.21	583515.31	-1.0	25
300		3922289.02	583465.59	-1.0	25
350		3922313.27	583422.72	-1.0	25
400		3922356.31	583401.46	-1.0	25
450		3922403.82	583415.86	-1.0	25
500		3922446.33	583442.15	-1.0	25
550		3922493.41	583457.27	-1.0	25
600		3922543.38	583456.78	-1.0	25
650		3922592.96	583462.12	-1.0	25
700		3922636.73	583484.88	-0.8	25
750		3922670.90	583520.96	-0.8	25
800		3922704.10	583558.19	-0.8	25
850		3922746.08	583584.28	-0.8	25
900		3922795.64	583582.52	-0.8	25
950		3922844.75	583576.98	-0.8	25
1000	At Confluence of PC 4A & PC 4	3922882.63	583605.05	-0.8	25
1050		3922901.43	583651.34	-0.8	25
1100		3922941.06	583675.85	-0.8	25
1150		3922976.08	583651.09	-0.8	25
1200		3923025.69	583652.65	-0.8	25
1250		3923073.47	583646.80	-0.8	25
1300		3923097.01	583603.43	-0.8	25
1350		3923116.16	583557.50	-0.8	25
1400		3923148.89	583520.38	-0.6	25
1450		3923196.76	583512.76	-0.6	25
1500	Confluence of SC 13	3923240.21	583497.01	-0.6	25
1550		3923228.09	583453.71	-0.6	25
1600		3923183.53	583432.35	-0.6	25
1650		3923160.92	583388.19	-0.6	25
1700		3923149.99	583339.46	-0.6	25
1750		3923149.81	583289.58	-0.6	25
1800		3923174.27	583247.65	-0.6	25
1850		3923222.04	583234.92	-0.6	25
1900		3923269.78	583247.70	-0.6	25
1950		3923318.60	583241.37	-0.6	25
2000	At Confluence of PC 4B & PC 4	3923355.89	583208.65	-0.6	25
2050		3923389.01	583171.24	-0.6	25
2100		3923423.89	583183.78	-0.4	25
2150		3923466.21	583210.30	-0.4	25
2200		3923512.60	583228.74	-0.4	25
2250		3923561.85	583236.76	-0.4	25
2300		3923611.75	583234.56	-0.4	25
2350		3923659.72	583221.59	-0.4	25
2400		3923693.16	583185.91	-0.4	25
2450		3923694.44	583136.39	-0.4	25
2500		3923682.18	583088.03	-0.4	25
2550		3923660.91	583042.83	-0.4	25
2600		3923651.27	582993.85	-0.4	25
2650		3923649.42	582943.93	-0.4	25
2700		3923654.95	582894.39	-0.4	25
2750		3923679.03	582850.96	-0.4	25
2800		3923718.31	582820.44	-0.2	25
2850		3923756.26	582788.15	-0.2	25
2900		3923788.26	582749.74	-0.2	25
2950		3923822.55	582713.46	-0.2	25
3000	Confluence of SC 15	3923865.64	582688.59	-0.2	25
3050		3923911.23	582668.17	-0.2	25
3100		3923946.93	582633.71	-0.2	25
3150		3923978.23	582594.80	-0.2	25
3200		3924023.59	582578.19	-0.2	25
3250		3924073.42	582577.07	-0.2	25
3300		3924119.26	582559.78	-0.2	25
3350		3924139.50	582514.91	-0.2	25
3400		3924140.74	582465.14	-0.2	25
3450		3924133.85	582415.67	-0.2	25
3500		3924152.17	582371.05	0.0	25
3550		3924184.59	582333.44	0.0	25
3600		3924192.53	582284.42	0.0	25
3650		3924183.96	582235.23	0.0	25
3700		3924182.08	582185.57	0.0	25
3750		3924209.98	582150.40	0.0	25
3800		At Confluence with Central Canal	3924254.29	582129.98	0.0



TETRA TECH, INC.
1020 SW Taylor Street
Suite 530
Portland, OR 97205
(P) 503-223-5388
(F) 503-228-8631



WINTER LAKE RESTORATION PROJECT

GUN CLUB TIDAL
DEPRESSIONS DETAILS

COQUILLE, OREGON

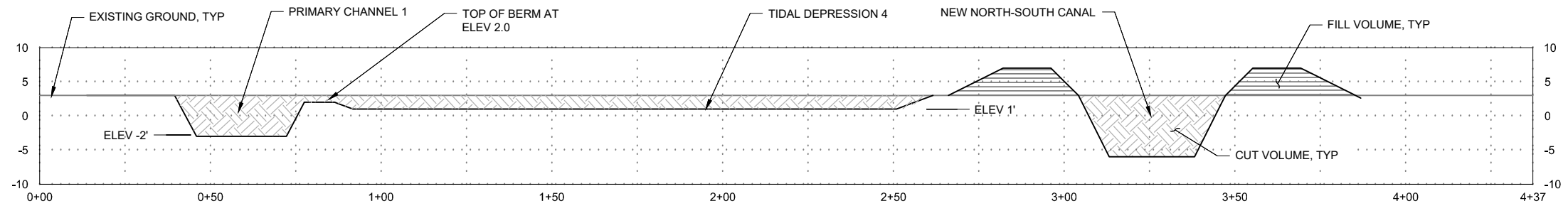
THE NATURE CONSERVANCY
87200 RATHBONE RD.
EUGENE, OR 97402

PROJECT NO.	
32071	
FILE NAME:	
DRAWING NO.	
C33	
SHT NO	35 OF --

FINAL DESIGN

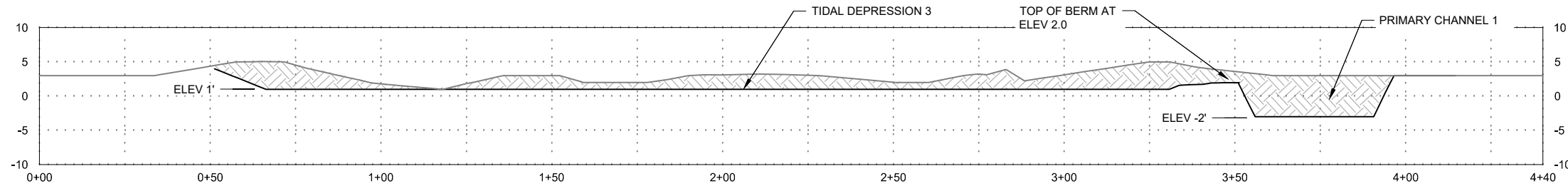
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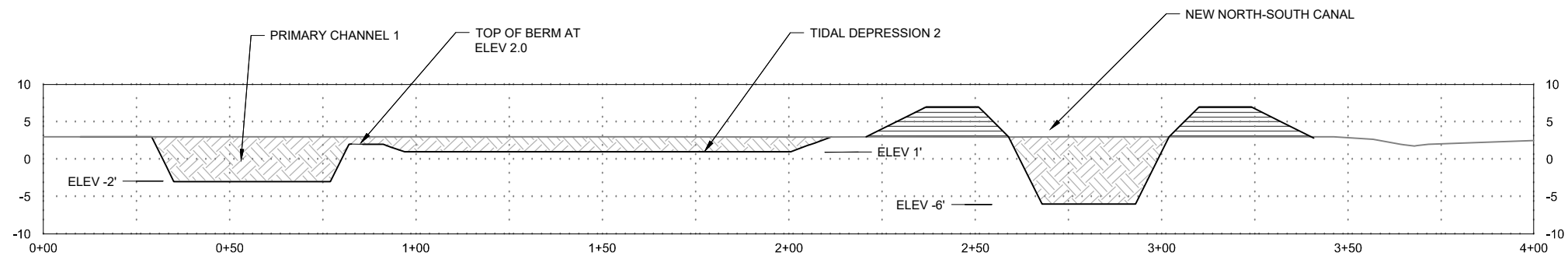
TIDAL DEPRESSION 4
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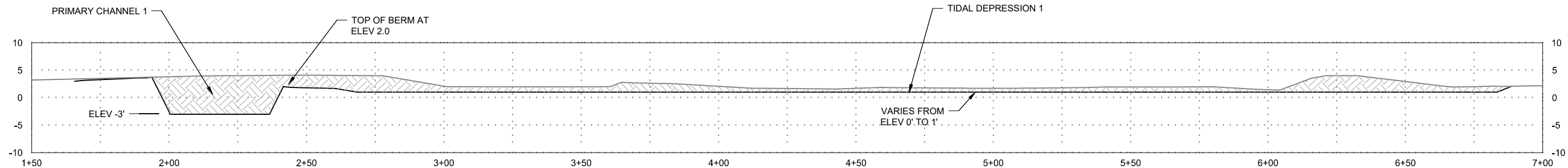
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3
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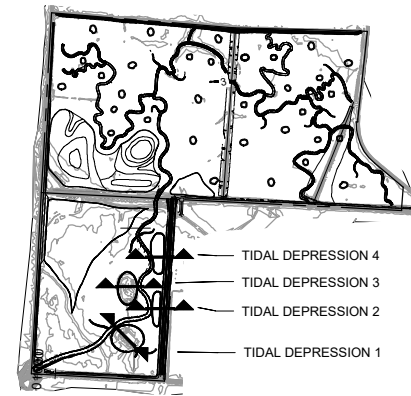
TIDAL DEPRESSION 2
SCALE: 1"=20'

2
—



TIDAL DEPRESSION 1
SCALE: 1"=20'

1
—



LEGEND

DATE	DESCRIPTION	MARK
AUG 2015	DESIGNED	RY/TB/MM
AUG 2015	DRAWN	MAR
AUG 2015	CHECKED	WTF
APPROVED		

TETRA TECH, INC.

1020 SW Taylor Street

Suite 530

Portland, OR 97205

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Tt

WINTER LAKE RESTORATION PROJECT

GUN CLUB TIDAL

DEPRESSIONS DETAILS

COQUILLE, OREGON

THE NATURE CONSERVANCY

87200 RATHBONE RD.

EUGENE, OR 97402

PROJECT NO.	32071
FILE NAME:	
DRAWING NO.	C33A
SHT NO	35 OF --

F:\Projects\32071 Winter Lake\CAD\SheetFiles\C34.dwg 9/29/2015 RIVERO, MARIA

TIDAL DEPRESSION 1

CHANNEL				PROPOSED
STA	NOTES	NORTHING	EASTING	BTM ELEV
TD1-0	At Primary Channel, Tidal Depression 1	580295.57	3920274.59	1.0
TD1-50	Upstream End Primary Channel Opening	580318.94	3920318.47	1.0
TD1-100		580330.69	3920366.82	1.0
TD1-150	Midpoint North	580334.55	3920416.18	1.0
TD1-200		580332.91	3920466.04	1.0
TD1-250		580318.60	3920513.84	1.0
TD1-300	NE Corner	580296.45	3920558.27	1.0
TD1-350		580266.10	3920597.58	1.0
TD1-400		580226.32	3920627.12	1.0
TD1-450		580180.45	3920644.79	1.0
TD1-500	Midpoint East	580130.90	3920651.38	1.0
TD1-550		580082.45	3920638.93	1.0
TD1-600		580040.96	3920611.29	1.0
TD1-650	SE Corner	580006.69	3920575.69	1.0
TD1-700		579982.88	3920632.51	1.0
TD1-750		579967.36	3920484.98	1.0
TD1-800	Midpoint South	579957.17	3920436.16	1.0
TD1-850		579960.14	3920386.38	1.0
TD1-900		579971.21	3920337.96	1.0
TD1-950		579990.95	3920292.48	1.0
TD1-1000	SW Corner	580018.93	3920251.05	1.0
TD1-1050		580057.61	3920220.02	1.0
TD1-1100		580101.35	3920198.29	1.0
TD1-1150	Midpoint West	580150.63	3920189.82	1.0
TD1-1200		580198.97	3920198.13	1.0
TD1-1250		580242.86	3920220.28	1.0
TD1-1300	Downstream End Primary Channel Opening	580280.07	3920253.05	1.0

TIDAL DEPRESSION 2

CHANNEL				PROPOSED
STA	NOTES	NORTHING	EASTING	BTM ELEV
TD2-0	At Primary Channel, Tidal Depression 2	580625.70	3920784.12	1.0
TD2-50	Upstream End Primary Channel Opening	580675.29	3920785.28	1.0
TD2-100		580724.83	3920792.10	1.0
TD2-150	NW Corner	580774.48	3920799.87	1.0
TD2-200		580815.14	3920826.88	1.0
TD2-250	Midpoint North	580824.09	3920873.11	1.0
TD2-300		580793.93	3920908.89	1.0
TD2-350	NE Corner	580745.54	3920920.80	1.0
TD2-400		580695.91	3920926.85	1.0
TD2-450		580646.18	3920931.99	1.0
TD2-500	Midpoint East	580596.35	3920935.63	1.0
TD2-550		580546.35	3920935.42	1.0
TD2-600		580496.45	3920931.07	1.0
TD2-650	SE Corner	580446.84	3920925.77	1.0
TD2-700		580397.25	3920919.41	1.0
TD2-750		580349.92	3920904.38	1.0
TD2-800	Midpoint South	580326.83	3920863.87	1.0
TD2-850		580343.58	3920819.86	1.0
TD2-900		580387.21	3920797.88	1.0
TD2-950	SW Corner	580436.88	3920790.71	1.0
TD2-1000		580487.09	3920785.88	1.0
TD2-1050		580536.10	3920776.67	1.0
TD2-1100	Downstream End Primary Channel Opening	580586.42	3920782.91	1.0

TIDAL DEPRESSION 3

CHANNEL				PROPOSED
STA	NOTES	NORTHING	EASTING	BTM ELEV
TD3-0	At Primary Channel, Tidal Depression 3	580893.10	3920551.40	1.0
TD3-50	Downstream End Primary Channel Opening	580843.26	3920550.90	1.0
TD3-100		580794.09	3920542.51	1.0
TD3-150	SE Corner	580745.77	3920528.28	1.0
TD3-200		580701.93	3920505.19	1.0
TD3-250		580665.36	3920471.23	1.0
TD3-300	Midpoint South	580646.97	3920425.53	1.0
TD3-350		580657.03	3920377.32	1.0
TD3-400		580690.37	3920340.56	1.0
TD3-450	SW Corner	580732.48	3920313.92	1.0
TD3-500		580778.77	3920296.20	1.0
TD3-550		580828.42	3920286.21	1.0
TD3-600	Midpoint West	580878.05	3920282.89	1.0
TD3-650		580927.81	3920287.64	1.0
TD3-700		580976.60	3920297.41	1.0
TD3-750	NW Corner	581023.63	3920313.83	1.0
TD3-800		581065.98	3920340.41	1.0
TD3-850		581098.21	3920378.01	1.0
TD3-900	Midpoint North	581107.89	3920424.87	1.0
TD3-950		581089.56	3920470.01	1.0
TD3-1000		5841054.24	3920504.91	1.0
TD3-1050	NE Corner	581010.25	3920528.39	1.0
TD3-1100		580962.61	3920543.28	1.0
TD3-1150	Upstream End Primary Channel Opening	580913.28	3920550.65	1.0

TIDAL DEPRESSION 4

CHANNEL				PROPOSED
STA	NOTES	NORTHING	EASTING	BTM ELEV
TD4-0	At Primary Channel, Tidal Depression 4	581363.34	3920773.52	1.0
TD4-50	Upstream End Primary Channel Opening	581412.04	3920765.50	1.0
TD4-100		581461.95	3920763.05	1.0
TD4-150		581511.77	3920762.32	1.0
TD4-200		581561.15	3920770.53	1.0
TD4-250		581605.96	3920791.73	1.0
TD4-300	NW Corner	581648.90	3920817.22	1.0
TD4-350		581674.10	3920858.22	1.0
TD4-400		581672.79	3920907.42	1.0
TD4-450	Midpoint North	581641.37	3920944.17	1.0
TD4-500		581595.96	3920963.67	1.0
TD4-550		581548.05	3920976.33	1.0
TD4-600		581497.36	3920979.10	1.0
TD4-650	NE Corner	581397.82	3920973.63	1.0
TD4-700		581297.98	3920970.39	1.0
TD4-750		581348.07	3920977.63	1.0
TD4-800	Midpoint East	581298.10	3920975.89	1.0
TD4-850		581248.20	3920972.82	1.0
TD4-900		581198.17	3920968.58	1.0
TD4-950		581149.80	3920967.22	1.0
TD4-1000	SE Corner	581109.35	3920929.00	1.0
TD4-1050		581093.16	3920882.84	1.0
TD4-1100		581106.48	3920836.44	1.0
TD4-1150	Midpoint South	581143.46	3920805.34	1.0
TD4-1200		581192.26	3920803.54	1.0
TD4-1250		518242.33	3920803.25	1.0
TD4-1300	SW Corner	581291.33	3920793.70	1.0
TD4-1350	Downstream End Primary Channel Opening	581339.77	3920781.36	1.0

PROJECT NO.
32071

FILE NAME:

DRAWING NO.
C34

SHT NO 36 OF --

WINTER LAKE RESTORATION PROJECT

GUN CLUB TIDAL DEPRESSIONS
LAYOUT COORDINATES

COQUILLE, OREGON

F:\Projects\32071 Winter Lake\CAD\SheetFiles\C34A.dwg 9/29/2015 RIVERO, MARIA

TIDAL DEPRESSION 1

CHANNEL				PROPOSED
STA	NOTES	NORTHING	EASTING	BTM ELEV
TD1-0	At Primary Channel, Tidal Depression 1	580295.57	3920274.59	1.0
TD1-50	Upstream End Primary Channel Opening	580318.94	3920318.47	1.0
TD1-100		580330.69	3920366.82	1.0
TD1-150	Midpoint North	580334.55	3920416.18	1.0
TD1-200		580332.91	3920466.04	1.0
TD1-250		580318.60	3920513.84	1.0
TD1-300	NE Corner	580296.45	3920558.27	1.0
TD1-350		580266.10	3920597.58	1.0
TD1-400		580226.32	3920627.12	1.0
TD1-450		580180.45	3920644.79	1.0
TD1-500	Midpoint East	580130.90	3920651.38	1.0
TD1-550		580082.45	3920638.93	1.0
TD1-600		580040.96	3920611.29	1.0
TD1-650	SE Corner	580006.69	3920575.69	1.0
TD1-700		579982.88	3920632.51	1.0
TD1-750		579967.36	3920484.98	1.0
TD1-800	Midpoint South	579957.17	3920436.16	1.0
TD1-850		579960.14	3920386.38	1.0
TD1-900		579971.21	3920337.96	1.0
TD1-950		579990.95	3920292.48	1.0
TD1-1000	SW Corner	580018.93	3920251.05	1.0
TD1-1050		580057.61	3920220.02	1.0
TD1-1100		580101.35	3920198.29	1.0
TD1-1150	Midpoint West	580150.63	3920189.82	1.0
TD1-1200		580198.97	3920198.13	1.0
TD1-1250		580242.86	3920220.28	1.0
TD1-1300	Downstream End Primary Channel Opening	580280.07	3920253.05	1.0

TIDAL DEPRESSION 2

CHANNEL				PROPOSED
STA	NOTES	NORTHING	EASTING	BTM ELEV
TD2-0	At Primary Channel, Tidal Depression 2	580625.70	3920784.12	1.0
TD2-50	Upstream End Primary Channel Opening	580675.29	3920785.28	1.0
TD2-100		580724.83	3920792.10	1.0
TD2-150	NW Corner	580774.48	3920799.87	1.0
TD2-200		580815.14	3920826.88	1.0
TD2-250	Midpoint North	580824.09	3920873.11	1.0
TD2-300		580793.93	3920908.89	1.0
TD2-350	NE Corner	580745.54	3920920.80	1.0
TD2-400		580695.91	3920926.85	1.0
TD2-450		580646.18	3920931.99	1.0
TD2-500	Midpoint East	580596.35	3920935.63	1.0
TD2-550		580546.35	3920935.42	1.0
TD2-600		580496.45	3920931.07	1.0
TD2-650	SE Corner	580446.84	3920925.77	1.0
TD2-700		580397.25	3920919.41	1.0
TD2-750		580349.92	3920904.38	1.0
TD2-800	Midpoint South	580326.83	3920863.87	1.0
TD2-850		580343.58	3920819.86	1.0
TD2-900		580387.21	3920797.88	1.0
TD2-950	SW Corner	580436.88	3920790.71	1.0
TD2-1000		580487.09	3920785.88	1.0
TD2-1050		580536.10	3920776.67	1.0
TD2-1100	Downstream End Primary Channel Opening	580586.42	3920782.91	1.0

TIDAL DEPRESSION 3

CHANNEL				PROPOSED
STA	NOTES	NORTHING	EASTING	BTM ELEV
TD3-0	At Primary Channel, Tidal Depression 3	580893.10	3920551.40	1.0
TD3-50	Downstream End Primary Channel Opening	580843.26	3920550.90	1.0
TD3-100		580794.09	3920542.51	1.0
TD3-150	SE Corner	580745.77	3920528.28	1.0
TD3-200		580701.93	3920505.19	1.0
TD3-250		580665.36	3920471.23	1.0
TD3-300	Midpoint South	580646.97	3920425.53	1.0
TD3-350		580657.03	3920377.32	1.0
TD3-400		580690.37	3920340.56	1.0
TD3-450	SW Corner	580732.48	3920313.92	1.0
TD3-500		580778.77	3920296.20	1.0
TD3-550		580828.42	3920286.21	1.0
TD3-600	Midpoint West	580878.05	3920282.89	1.0
TD3-650		580927.81	3920287.64	1.0
TD3-700		580976.60	3920297.41	1.0
TD3-750	NW Corner	581023.63	3920313.83	1.0
TD3-800		581065.98	3920340.41	1.0
TD3-850		581098.21	3920378.01	1.0
TD3-900	Midpoint North	581107.89	3920424.87	1.0
TD3-950		581089.56	3920470.01	1.0
TD3-1000		5841054.24	3920504.91	1.0
TD3-1050	NE Corner	581010.25	3920528.39	1.0
TD3-1100		580962.61	3920543.28	1.0
TD3-1150	Upstream End Primary Channel Opening	580913.28	3920550.65	1.0

TIDAL DEPRESSION 4

CHANNEL				PROPOSED
STA	NOTES	NORTHING	EASTING	BTM ELEV
TD4-0	At Primary Channel, Tidal Depression 4	581363.34	3920773.52	1.0
TD4-50	Upstream End Primary Channel Opening	581412.04	3920765.50	1.0
TD4-100		581461.95	3920763.05	1.0
TD4-150		581511.77	3920762.32	1.0
TD4-200		581561.15	3920770.53	1.0
TD4-250		581605.96	3920791.73	1.0
TD4-300	NW Corner	581648.90	3920817.22	1.0
TD4-350		581674.10	3920858.22	1.0
TD4-400		581672.79	3920907.42	1.0
TD4-450	Midpoint North	581641.37	3920944.17	1.0
TD4-500		581595.96	3920963.67	1.0
TD4-550		581548.05	3920976.33	1.0
TD4-600		581497.36	3920979.10	1.0
TD4-650	NE Corner	581397.82	3920973.63	1.0
TD4-700		581297.98	3920970.39	1.0
TD4-750		581348.07	3920977.63	1.0
TD4-800	Midpoint East	581298.10	3920975.89	1.0
TD4-850		581248.20	3920972.82	1.0
TD4-900		581198.17	3920968.58	1.0
TD4-950		581149.80	3920967.22	1.0
TD4-1000	SE Corner	581109.35	3920929.00	1.0
TD4-1050		581093.16	3920882.84	1.0
TD4-1100		581106.48	3920836.44	1.0
TD4-1150	Midpoint South	581143.46	3920805.34	1.0
TD4-1200		581192.26	3920803.54	1.0
TD4-1250		518242.33	3920803.25	1.0
TD4-1300	SW Corner	581291.33	3920793.70	1.0
TD4-1350	Downstream End Primary Channel Opening	581339.77	3920781.36	1.0

NORTHINGS AND EASTINGS TO BE UPDATE

NORTHINGS AND EASTINGS TO BE UPDATE

FINAL DESIGN

RY/TB/MM
DESIGNED

MAR
DRAWN

WTF
CHECKED

APPROVED

AUG 2015

AUG 2015

AUG 2015

REGISTERED PROFESSIONAL
ENGINEER
83634PE
OREGON
JUNE 2, 2016
RYAN WESLEY

TETRA TECH, INC.
1020 SW Taylor Street
Suite 530
Portland, OR 97205
(P) 503-223-6388
(F) 503-228-8631

Tt

COQUILLE, OREGON



THE NATURE CONSERVANCY

Protecting nature. Preserving life.®

87200 RATHBONE RD.
EUGENE, OR 97402

WINTER LAKE RESTORATION PROJECT

GUN CLUB TIDAL DEPRESSIONS
LAYOUT COORDINATES

PROJECT NO.
32071

FILE NAME:

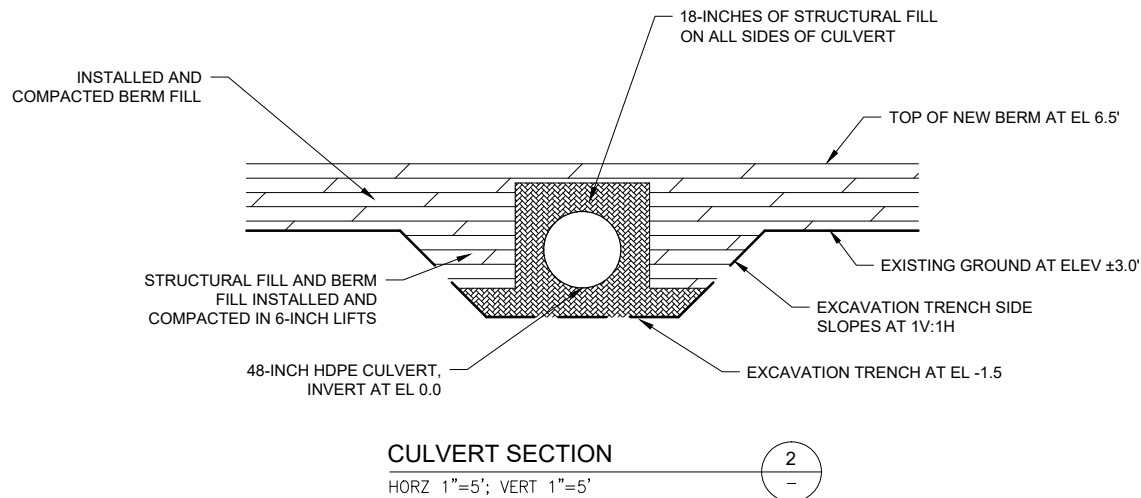
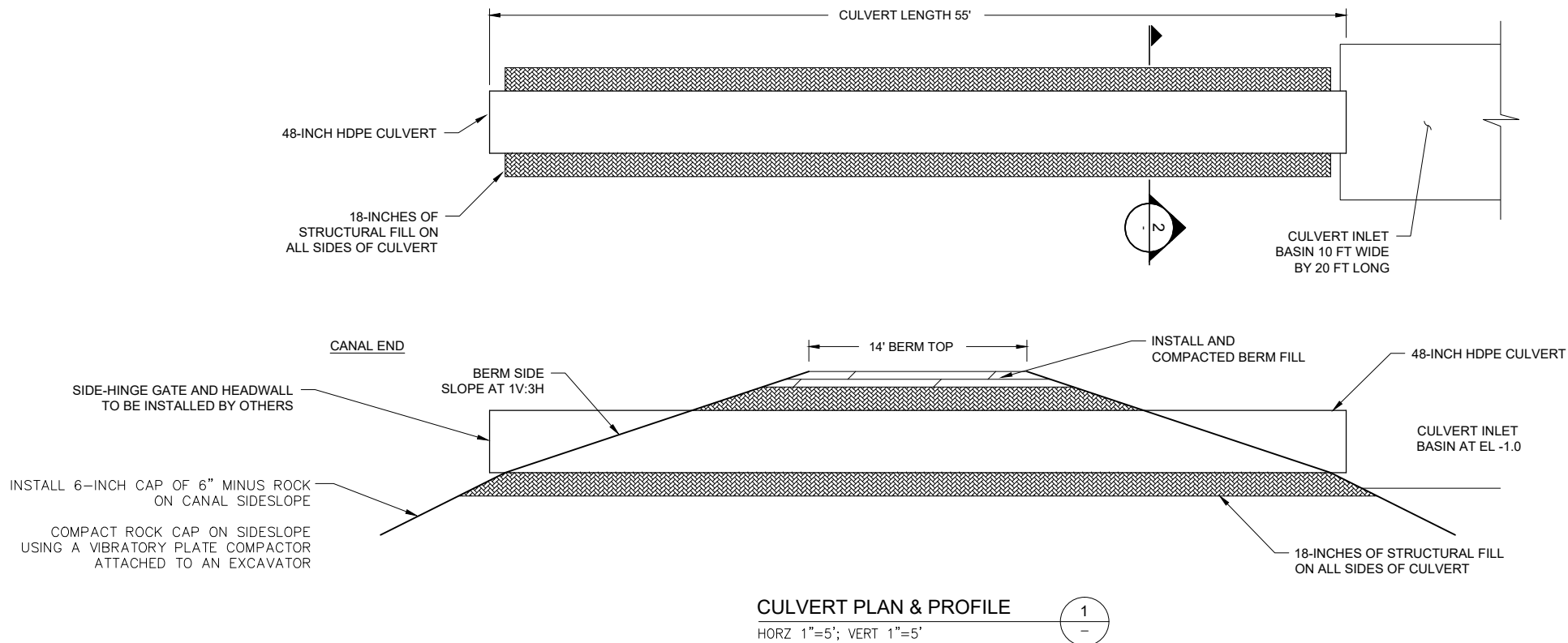
DRAWING NO.
C34A

SHT
NO 36 OF --

EXP. DATE: 6/30/2017

DATE

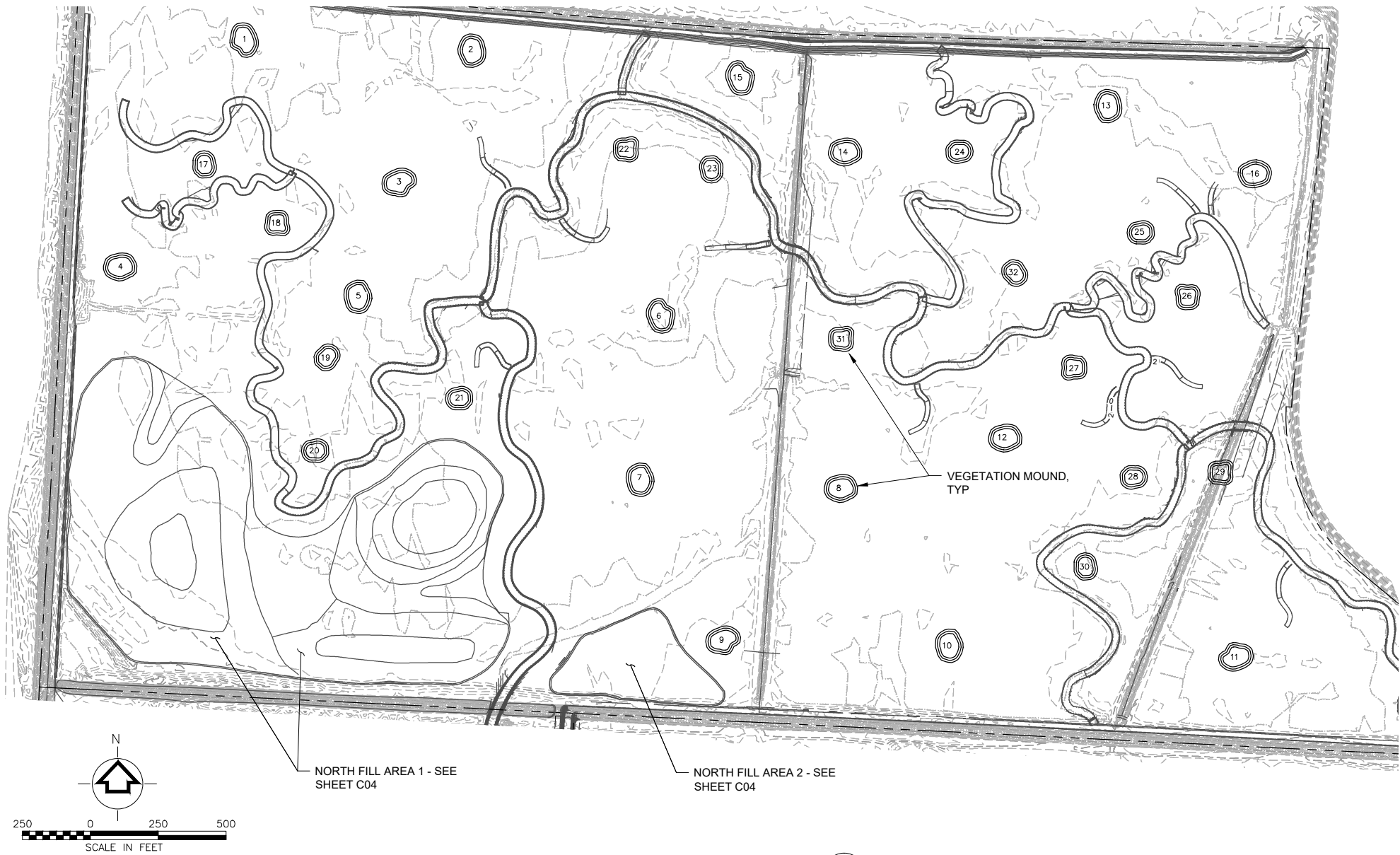
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FINAL DESIGN

PROJECT NO.		32071	
FILE NAME:			
DRAWING NO.		C35	
SHT NO		37 OF --	
WINTER LAKE RESTORATION PROJECT		CULVERT PLAN, PROFILE AND SECTION	
COQUILLE, OREGON		COQUILLE, OREGON	
TETRA TECH, INC.		TETRA TECH, INC.	
1020 SW Taylor Street		1020 SW Taylor Street	
Suite 530		Suite 530	
Portland, OR 97205		Portland, OR 97205	
(P) 503-223-5388		(P) 503-223-5388	
(F) 503-228-8631		(F) 503-228-8631	
REGISTERED PROFESSIONAL ENGINEER		REGISTERED PROFESSIONAL ENGINEER	
OREGON		OREGON	
JUNE 2, 2017		JUNE 2, 2017	
RYAN WESLEY		RYAN WESLEY	
EXPIRES: 6/30/2017		EXPIRES: 6/30/2017	
DESIGNED		AUG 2015	
DRAWN		AUG 2015	
CHECKED		AUG 2015	
APPROVED			
MARK		DESCRIPTION	
DATE			

P:\Projects\32071 Winter Lake\CAD\SheetFiles\C36.dwg 9/29/2015 RIVERO, MARIA



VEGETATION MOUND LAYOUT

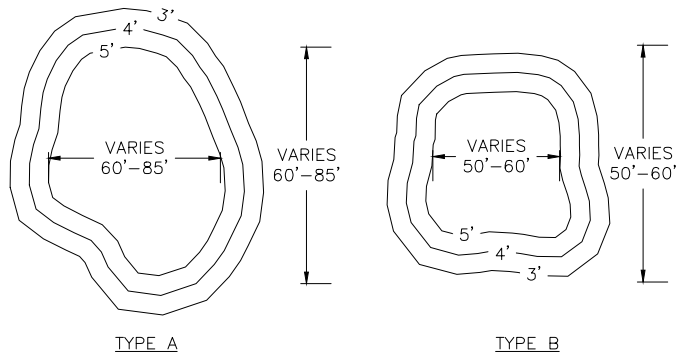
VEGETATION MOUNDS COORDINATES:

MOUND NUMBER	NORTHING	EASTING	TYPE
1	584658.47	3919918.56	A
2	584622.36	3920758.30	A
3	584131.21	3920489.57	A
4	583824.26	3919459.02	A
5	583715.08	3920337.42	A
6	583635.51	3921451.62	A
7	583040.25	3921375.54	A
8	583007.59	3922113.19	A
9	582445.59	3921679.75	A
10	582422.98	3922520.44	A
11	582382.62	3923572.34	A
12	583192.29	3922719.50	A
13	584416.87	3923098.42	A
14	584246.94	3922130.17	A
15	584516.06	3921741.27	A
16	584164.84	3923641.57	A

MOUND NUMBER	NORTHING	EASTING	TYPE
17	584198.95	3919771.19	B
18	583982.86	3920039.39	B
19	583263.54	3920325.91	B
20	583141.56	3920176.84	B
21	583336.48	3920712.70	B
22	584253.17	3921323.65	B
23	584180.68	3921638.95	B
24	584245.82	3922553.50	B
25	583945.36	3923221.14	B
26	583707.80	3923391.58	B
27	583453.60	3922973.84	B
28	583044.08	3923189.48	B
29	583065.43	3923517.46	B
30	582717.51	3923017.32	B
31	583552.94	3922116.96	B
32	583792.92	3922758.32	B

NOTE:

- NORTHING AND EASTING COORDINATES LISTED ABOVE ARE LOCATED AT THE CENTER POINT OF THE MOUNDS.

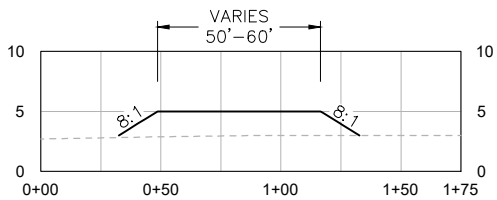


VEGETATION MOUND PLAN

HORZ 1"=5'; VERT 1"=5'

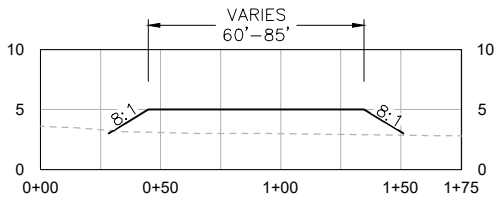
NOTE:

- MOUNDS ARE TO BE BUILT WITH NATURAL RANDOM SHAPES. SHAPES SHOWN ARE FOR GUIDANCE ONLY. NO CORNERS OR SHARP ANGLES.
- VEGETATION MOUNDS ARE TO HAVE APPROX 5,000 SQ FT AREAS BETWEEN ELEV 4.5'-6.0'.



VEGETATION MOUND SECTION 1

HORZ 1"=5'; VERT 1"=5'



VEGETATION MOUND SECTION 2

HORZ 1"=5'; VERT 1"=5'

FINAL DESIGN

PROJECT NO.
32071

FILE NAME:
C36

DRAWING NO.
C36

SHT NO 38 OF --

WINTER LAKE RESTORATION PROJECT

VEGETATION MOUNDS DETAILS AND COORDINATE TABLE

COQUILLE, OREGON

THE NATURE CONSERVANCY
87200 RATHBONE RD.
EUGENE, OR 97402

TETRA TECH, INC.
1020 SW Taylor Street
Suite 530
Portland, OR 97205
(P) 503-223-6388
(F) 503-228-8631

REGISTERED PROFESSIONAL ENGINEER
OREGON
June 2, 2017
RYAN WESLEY

EXPIRES: 6/30/2017

DESIGNED	AUG 2015	MARK	DESCRIPTION	DATE
DRAWN	AUG 2015			
CHECKED	AUG 2015			
APPROVED				