Consolidated Diking Improvement Dist #3 2021 Levee Maintenance Project Kelso, Washington

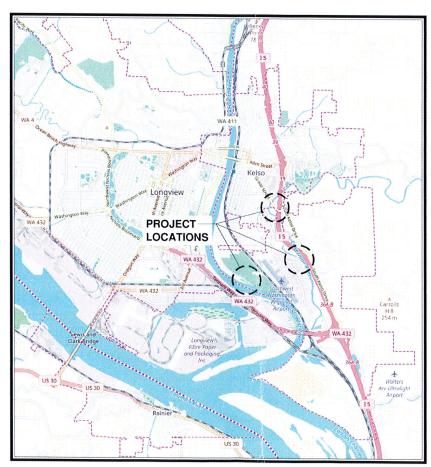
Project Directory

Owner:

Consolidated Diking Improvement Dist #3
Diking Engineer
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Vicinity Map

Consolidated Diking Improvement Dist #3

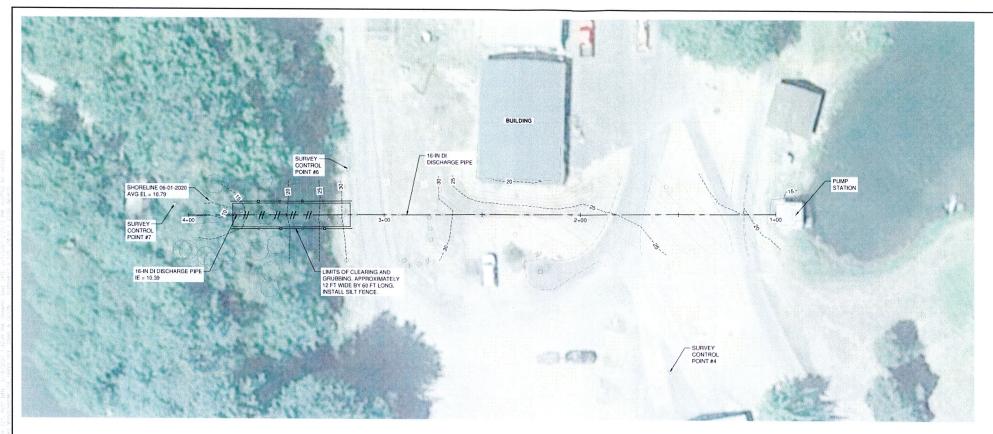
> Diking Engineer Patrick Harbison

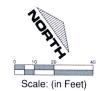
Supervisors
Jeff Czech
Tim Todd
Donald Mackey

Sheet Index					
Sheet No.	Drawing No.	Sheet Title			
1	G1	Cover Sheet			
2	EC1	Existing Conditions / Demo & TESC Plai			
3	C1	Elks Pump Station Outfall			
4	C2	Baker Way Pump Station Outfall			
5	C3	Dike Rd Outfall			









************	*******************************	S	urvey	Control Data			
Point No. Northing		Easting	Elevation	Description			
1	297567.64	1033871.88	32.03	FOUND 1/2" REBAR AND CONTROL CAP "DEA CONTROL" ON EASTERLY TOP BANK AT SOUTHERLY PULLOFF OF GRAVEL ROAD 23.3" FROM WARNING HIGH WATER SIGN			
2	297475.42	1033772.09	10.67	SET SPIKE IN GRASS/GRAVEL 2.7'+/- SW OF FENCE CORNER			
3	297469.30	1033681.00	9.79	FOUND 2" BRASS CAP SET IN CONCRETE WINGWALL "COWLITZ COUNTY PUBLIC WORKS PLS 34667"			
4	295804.62	1029342.03	26.75	SET SPIKE IN GRAVEL "Y" OF ASPHALT PATH TO GARAGE			
6	295732.01	1029162.67	30.67	SET SPIKE ON TOP OF BANK 4' SW OF GRAVEL ROAD			
7	295649.33	1029125.41	13.69	SET SPIKE AT NW EDGE BANK			
1346	301491.83	1031426.79	11.22	FOUND 2" I.D.I.P. 1' EXPOSED - BENT - SHOT @ BEND			

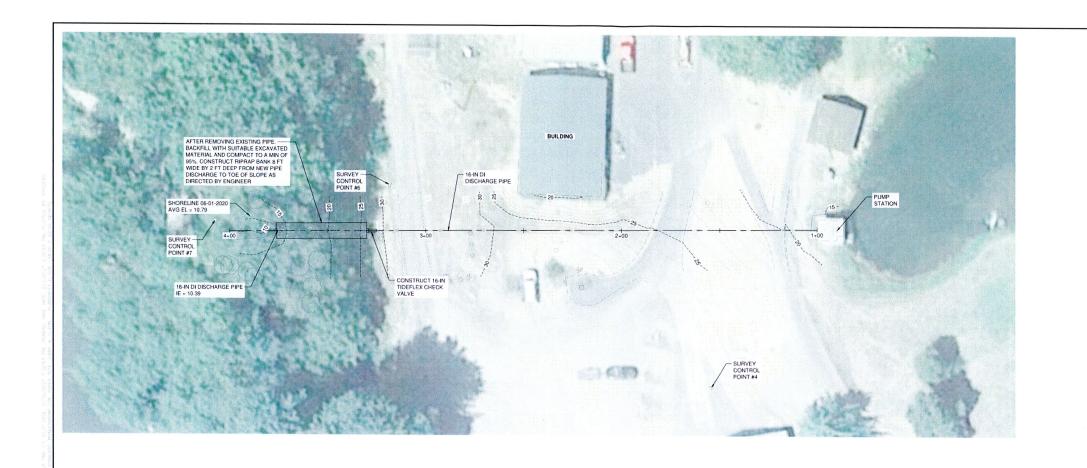
40.0		REMOVE AND — DISPOSE OF EX. BEND						PROFILE AL	ONG			
30.0 DVE AND DISPO C. PILING (2) AN L. GAUGE	DSE					EX. 16-IN DI DISCHARGE PIPE	/-					
20.0	-				1					-		~~~
10.0			DISPOSE DI PIPE	AND OF EX. 16-IN AND FITTINGS								
0.0												
93	11.3 EG	19.9 EG	28.3 EG	31.1 EG	30.8 EG	28.5.EG	27.7 EG	26.1 EG	24.7 EG	22.5 EG	20.3 EG	
4+00		3+50		3+00		2+50		2+00		1+50		

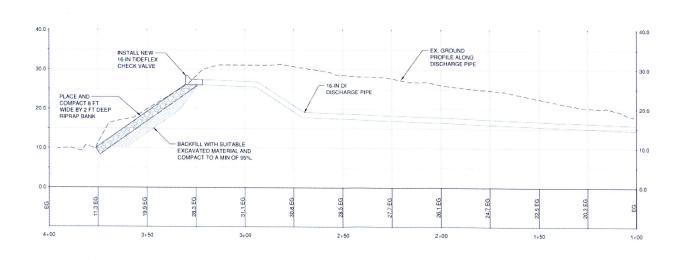
Consolidated Diking Improvement Dist #3	Existing Conditions
2021 Levee Maintenance Project	Elks Pump Station Discharge Pipe
Kelso, Washington	Demo & TESC Plan

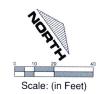
Date: 03/15/2021

GIBBS & OLSON
W/W.gibbs-olson.com
Project Manager. TEG
Designed by: TEG
CAD by: KAR
Checked by: TEG
Approved by TEG
Project Mumber:

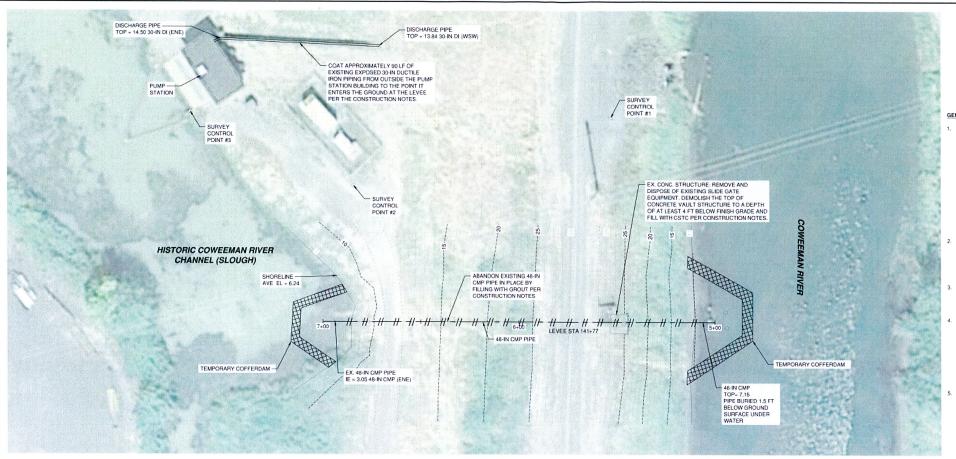
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Drawing Number:
EC1
Sheet Number:
2 of 5

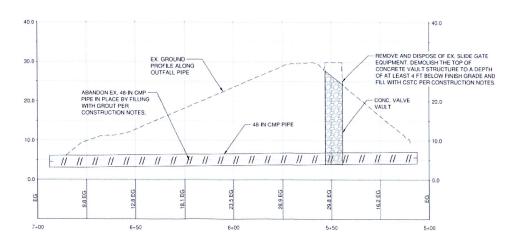






Civil	Elks Pump Station Discharge Pipe	Plan & Profile	
Surve	2021 Levee Maintenance Project	*********	8
03/1	S E.	021	Marie M.
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- JENERAL CONSTRUCTION NOTES:

 I. PIPE ABANDOMMENT. INSTALL CONTRACTOR DESIGNED
 TEMPORARY COFFERDAM AT EACH END OF THE EXISTING PIPE.
 THE EXISTING PIPE SHALL BE CLEANED AND COMPLETELY FILLED
 WITH A SHERINKAGE-COMPENSATING GROUT. VIDEO INSPECTION
 INDICATES THE EXISTING 48-INCH PIPELINE IS 80% TO 100% FULL
 OF MATERIAL THAT MUST BE REMOYED AND DISPOSED OF AS
 PART OF THE CLEANING PROCESS AND PRIOR TO FILLING WITH
 GROUT. THE PIPING SHALL BE FILLED USING 3000 PSI SANDED
 GROUT WITH A SHERINKAGE COMPENSATING ADMITURE SUCH AS
 SIKA INTRAPLAST IN BAST ETTRAGUARD ASO, OR APPROADE
 EQUIAL. THE PIPE SHALL BE COMPLETELY FILLED AND THE
 OUANITY OF GROUT REQUIRED TO FILL THE PIPE SHALL BE
 DETERMINED IN ADVANCE TO EQUIAL THE VOLUME OF THE INSIDE
 OF THE PIPE FOR ITS FULL BENOTH. FILLING OF THE PIPE SHALL
 BE MONITORED AND INSPECTED TO ENSURE THE PIPE HAS BEEN
 COMPLETELY FILLED FOR ITS ENTIRE LENGTH.
- FILL PIPE TO BE ABANDONED IN PLACE USING A CONCRETE PUMPING SYSTEM THAT ENSURES THE ANNULAR SPACE IN THE PIPE IS FILLED. STANDPIPES OR SIMLAR STRUCTURES SHALL BE INSTALLED ON EACH END OF THE PIPELINE TO BE ABANDONED TO ENSURE THAT AN ADEQUATE VOLUME OF GROUT IS ACHIEVED IN THE PIPELINE.
- CONTRACTOR SHALL PROVIDE A PIPE ABANDONMENT PLAN INDICATING THE METHOD OF PLUGGING THE PIPELINE AT THE SLOUGH AND RIVER. NJECTING GROUT INTO THE PIPE AND NOT ALLOWING GROUT TO ENTER THE SLOUGH OR RIVER.
- DEMOUSH THE EXISTING CONCRETE VALVE VAULT TO A MINIMUM OF A FEET BELOW FINISH GRADE. THE CONCRETE MATERIAL CAN BE USED AS FILL MATERIAL IN THE BOTTOM OF THE VAULT IF IT IS BROKE INTO PIECES WITH A MAXIMUM DIMENSION OF 8 INCHES. FILL THE REMAINING VAULT VIOLOW WITH GRUSHED SURFACING TOP COURSE MEETING THE REQUIREMENTS OF WSDOT STANDARD SPECIFICATION SECTION 9-03/93, AND COMPACT TO A MINIMUM OF 95% PER ASTM D1557. 8-IN OF LIGHTLY COMPACTED TOPOSICI TO BE FLACED ON COMPACTED COMPACTED TOPOSICI TO BE FLACED ON COMPACTED COTO AND SECTION 9-03.
- PIPE COATING PERFORM SANDBLASTING FOR PIPING AS REQUIRED TO RESTORE SURFACE TO SHOP OR FIELD BLASTED AND PRINED MATERIALS, COULPILENT PROCEDURES, AND SAFETY EQUIPMENT FOR PERSONNEL SHALL COMPORT MY TO THE STEEL STRUCTURES PAINTING COUNCIL TO NEAR-WHITE BLAST CLEANING, BP 10. THE CONTRACTOR SHALL COMPRY WITH ALL APPLICABLE FEBERAL STATE, AND LOCAL AIR POLLUTION AND ENVIRONMENTAL CONTROL REGULATIONS FOR BLAST CLEANING AND DISPOSITION OF SHEAT AGRIEGATE AND DEBRIS. ALL SURFACES SHALL BE CLEANED OF ALL DUST AND RESIDUAL SHATCHES OF THE CLEANING OPERATIONS BY DRY IND OIL OR WATER VAPORI AIR BLAST CLEANING OR OTHER METHOD PRIOR TO PAINTING. SURFACES SHALL BE PAINTING OF RETHOD THE SAME DAY. TO PAINTING, SURFACES SHALL BE PAINTED THE SAME DAY THEY ARE BLAST CLEANED. SURFACES THAT HAVE STARTED TO RUST BEFORE THEY ARE PAINTED SHALL BE REBLASTED.
- 6. PAINT MATERIALS SHALL BE POLYAMIDE. ANTI-CORROSIVE. EPOXY PRIMER, SHERWIN WILLIAMS RECOATABLE EPOXY PRIMER B5.1. COAT. 4-6 MDF1. FOLLOWED BY PHENALKAMINE EPOXY FINISH COAT. SHERWIN WILLIAMS DURA-PLATE 235 MULTI PURPOSE EPOXY. PROVIDE COLOR CHART WITH SUBMITTAL FOR COLOR SELECTION BY AGENCY

NORTH

Pump Station Civil

Outfall

Way

Baker #3

Dist Consolidated Diking Improvement Dis 2021 Levee Maintenance Project Kelso, Washington

Datum: NAD83/91 NAVD 88

Survey Book: 1851

PRELIM

03/15/2021





GIBBS & OLSON www.gibbs-olson.com

Project Manager: TEG Designed by: TEG CAD by: KAR

Checked by: TEG Approved by: TEG

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C2 4 of 5

