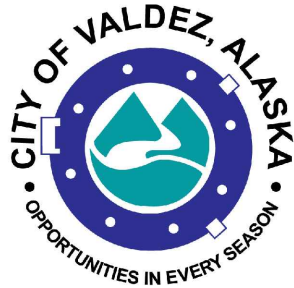


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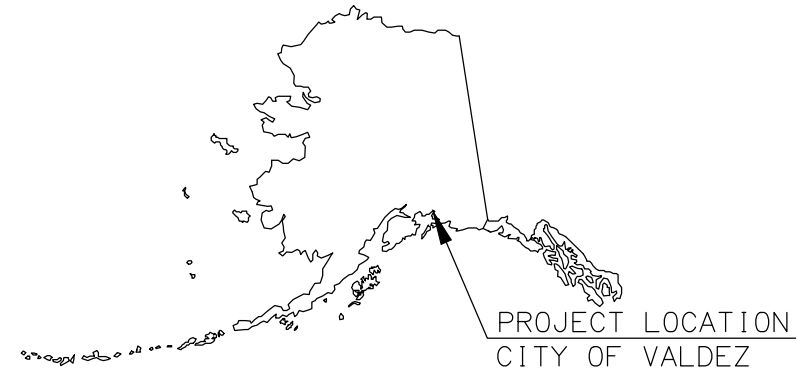
CITY OF VALDEZ

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	19-310-110	2020	A1	A6

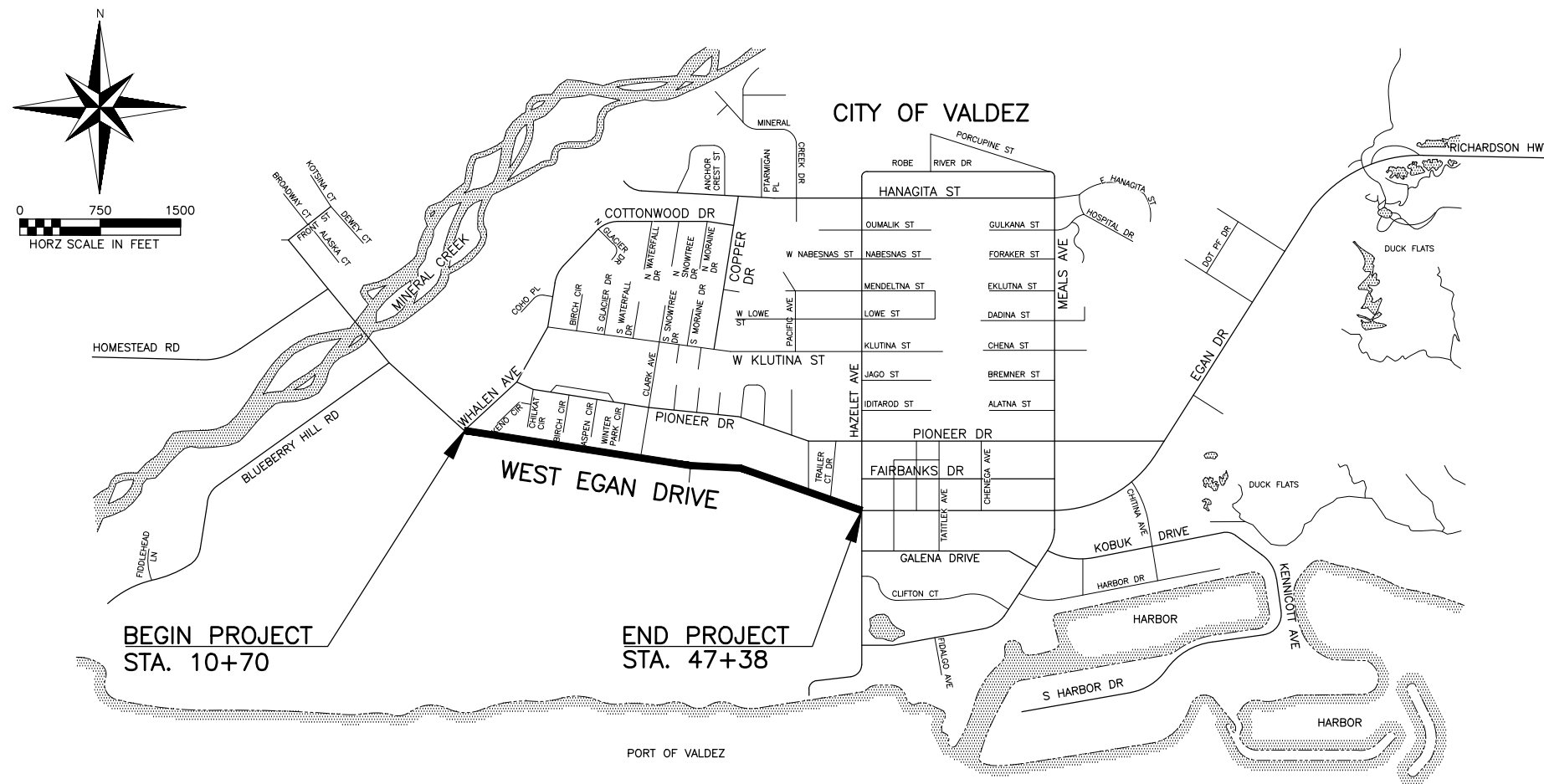
PAVEMENT MANAGEMENT, PHASE 1

WEST EGAN DRIVE PROJECT NO. 19-310-110

GRADING, DRAINAGE, PAVING, SIGNING, AND STRIPING



INDEX	
SHEET NO.	DESCRIPTION
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A3	LEGEND AND ABBREVIATIONS
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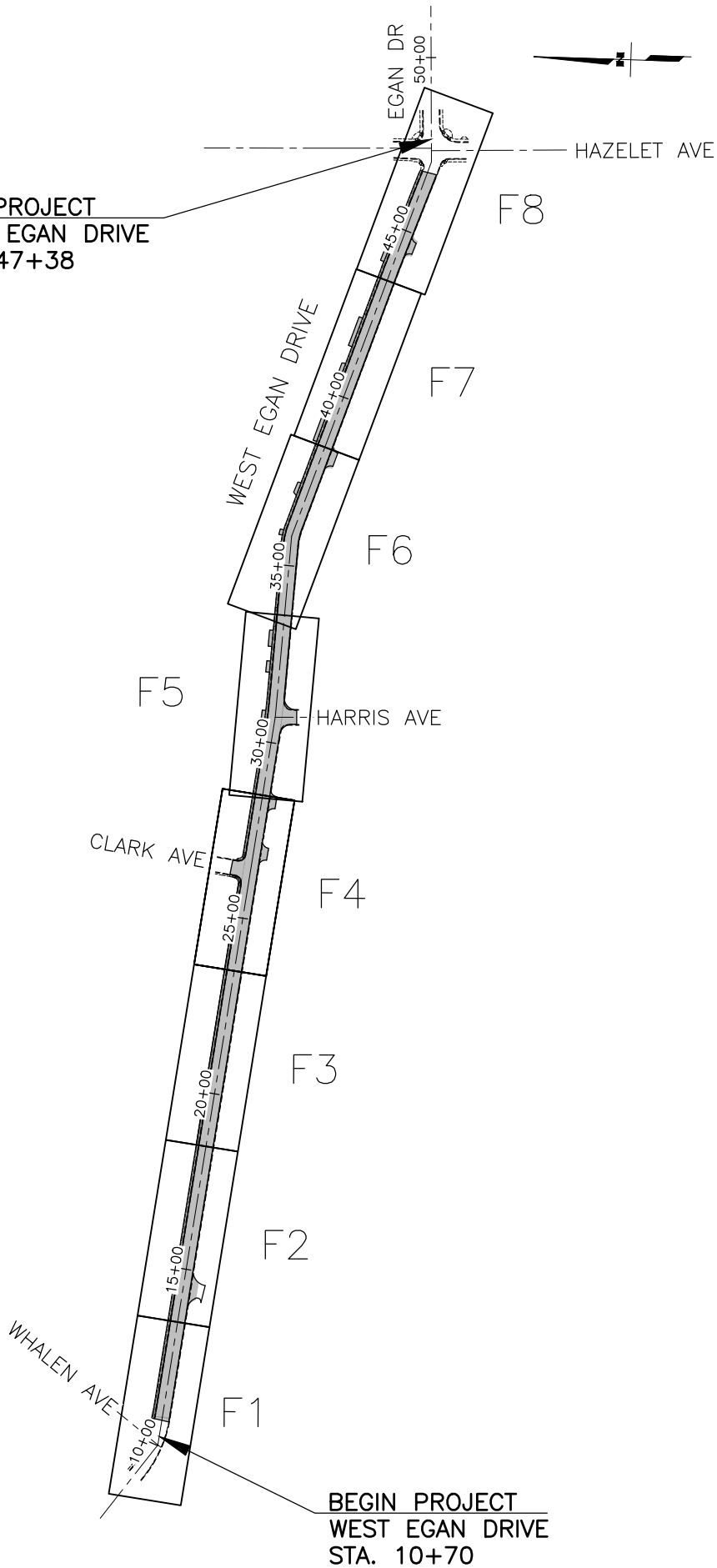


PLANS DEVELOPED BY:
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Anchorage, Alaska 99503
(907) 346-2373
CERT. OF AUTH. NO. AECL 1102

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END PROJECT
WEST EGAN DRIVE
STA. 47+38



BEGIN PROJECT
WEST EGAN DRIVE
STA. 10+70

SHEET LAYOUT

GENERAL NOTES:

1. CONTRACTOR SHALL COMPLETE CONSTRUCTION IN ACCORDANCE WITH THE PROJECT SPECIAL PROVISIONS, STANDARD MODIFICATIONS, PLANS, STANDARD SPECIFICATIONS, AND STANDARD DETAILS.
2. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY LOCAL, STATE AND FEDERAL PERMITS PRIOR TO BEGINNING CONSTRUCTION. THE PERMITS SHALL BE MAINTAINED AT THE JOB SITE.
3. CONTRACTOR SHALL MAINTAIN "REDLINE" RECORD DRAWINGS ON A CLEAN SET OF CONSTRUCTION DRAWINGS. THE CONTRACTOR SHALL MAINTAIN THE "REDLINES" CURRENT ON A DAILY BASIS WHICH SHALL BE AVAILABLE TO THE ENGINEER FOR INSPECTION ON THE JOB SITE. CONTRACTOR SHALL RECORD SURVEY NOTES AND SUBMIT DAILY TO THE ENGINEER. CONTRACTOR SHALL RECORD SURVEY NOTES FOR SUBMITTAL WITH RECORD DRAWINGS, INCLUDING HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES ENCOUNTERED IN THE FIELD. CONTRACTOR SHALL RECORD ALL DEVIATIONS FROM THE PLANS.
4. CONSTRUCTION OPERATIONS REQUIRED FOR THIS PROJECT SHALL REMAIN WITHIN EXISTING CITY OF VALDEZ RIGHTS-OF-WAY AND EASEMENTS, UNLESS OTHERWISE APPROVED IN WRITING BY THE ENGINEER AND THE AFFECTED PROPERTY OWNER.
5. LOCATIONS DEPICTED FOR THE UTILITIES AND OTHER EXISTING FEATURES ARE APPROXIMATE. SOME UTILITIES HAVE BEEN LOCATED FROM RECORD DRAWINGS AND UTILITY COMPANY LOCATES. CONTRACTOR SHALL LOCATE AND VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL DAMAGES TO UTILITIES THAT ARE THE RESULT OF FAILURE TO OBTAIN FIELD LOCATES BEFORE PERFORMING WORK THAT RESULTED IN DAMAGE.
6. UNDERGROUND ELECTRICAL AND TELECOMMUNICATION LINES OCCUR WITHIN THE PROJECT AREA; CONTRACTOR SHALL COORDINATE WORK ACCORDINGLY. ALL WORK IN CLOSE PROXIMITY TO EXISTING UNDERGROUND LINES SHALL COMPLY WITH APPLICABLE FEDERAL, STATE, AND LOCAL STATUTES, CODES AND GUIDELINES, AND THE ELECTRICAL FACILITY CLEARANCE REQUIREMENTS OF THE GOVERNING UTILITY. CONTRACTOR SHALL HAND DIG WITHIN TWO FEET OF BURIED ELECTRICAL CABLE.
7. CONTRACTOR SHALL SAWCUT EXISTING PAVEMENT (ROADS, PARKING AREAS, DRIVEWAYS, ETC..) TO A LINE 2 FEET BEYOND THE PROPOSED IMPROVEMENTS, DURING THE INITIAL EXCAVATION OPERATIONS. IF EXISTING PAVEMENT HAS BEEN LIFTED, IF EDGE DOES NOT OCCUR IN UNDISTURBED MATERIAL, OR IF EDGE IS LOCATED WITHIN A TRAVEL LANE, FURTHER REMOVAL MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, TO PROVIDE A PROPER TRANSITION BETWEEN NEW AND EXISTING PAVEMENT. SAW CUTTING OF EXISTING PAVEMENT IS INCIDENTAL TO THE BID ITEM "REMOVE PAVEMENT", AND NO SEPARATE PAYMENT SHALL BE MADE.
8. CONTRACTOR SHALL APPLY TACK COAT TO THE SAW CUT ASPHALT FACE PRIOR TO PAVING. CONTRACTOR SHALL SAWCUT CURB & GUTTER AND SIDEWALK AT THE NEAREST JOINT AT OR BEYOND REMOVAL LIMITS OR AS DIRECTED BY THE ENGINEER. TACK COAT IS INCIDENTAL TO THE RESPECTIVE BID ITEM.
9. CONTRACTOR SHALL MAINTAIN STOP SIGNS AND STREET NAME SIGNS OPERATIONAL IN THE PROJECT AREA DURING CONSTRUCTION. CONSTRUCTION TRAFFIC CONTROL WILL BE REQUIRED FOR THE PROJECT. SEE SECTION 10.04, SCOPE OF WORK, AND SECTION 70.15, TRAFFIC MAINTENANCE, FOR TRAFFIC CONTROL REQUIREMENTS.
10. LIMITS OF EXCAVATION AND BACKFILL SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
11. CONTRACTOR SHALL REMOVE ORGANIC MATERIAL FROM THE SUBGRADE TO A DEPTH TO BE DETERMINED BY THE ENGINEER. CONTRACTOR SHALL NOT PLACE OR SHALL NOT OTHERWISE UTILIZE ORGANIC MATERIAL OR OTHER DELETERIOUS MATERIAL FOR BACKFILL, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
12. WORK AND MATERIALS REQUIRED FOR REMOVING LITTER OR DEBRIS THAT EXIST WITHIN THE PROJECT LIMITS ARE INCIDENTAL TO THE PROJECT AND NO SEPARATE PAYMENT SHALL BE MADE.
13. CONTRACTOR SHALL REPLACE ALL DISTURBED PROPERTY CORNERS. PAYMENT FOR REPLACING DISTURBED PROPERTY CORNERS IS INCIDENTAL TO THE CONTRACT AND NO SEPARATE PAYMENT SHALL BE MADE.
14. CONTRACTOR SHALL TOPSOIL AND SEED ALL DISTURBED AREAS WHERE OTHER STABILIZED SURFACE IS NOT SPECIFIED. TOPSOIL AND SEED IS SUBSIDIARY TO OTHER ITEMS OF WORK.
15. CONTRACTOR SHALL RESTORE DISTURBED PROPERTY TO PRECONSTRUCTION CONDITION(S), UNLESS OTHERWISE DIRECTED BY THE ENGINEER. PAYMENT FOR RESTORING DISTURBED PROPERTY IS INCIDENTAL TO THE CONTRACT AND NO SEPARATE PAYMENT SHALL BE MADE.
16. IF CONTAMINATED SOIL, GROUNDWATER, OR FREE-PRODUCT ARE ENCOUNTERED, THE CONSTRUCTION CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENGINEER WHO WILL IMMEDIATELY CONTACT THE DEC PREVENTION AND EMERGENCY RESPONSE (PERP) OFFICE STAFF AT (907) 269-3063 / FAX (907)269-7648 IN ACCORDANCE WITH SPILL REPORTING REQUIREMENTS UNDER 18 AAC 75.300, AND COORDINATE MANAGEMENT OF ALL CONTAMINATED MEDIA WITH EMERGENCY RESPONSE PERSONNEL.

STORM DRAIN NOTES:

1. STORM DRAIN PIPE IS CORRUGATED POLYETHYLENE PIPE (CPEP) TYPE S UNLESS NOTED OTHERWISE. SEE DETAIL #20-13 FOR PIPE BEDDING REQUIREMENTS.
2. FOR NEW CATCH BASINS CONNECTING TO EXISTING STORM DRAIN PIPES, REMOVE 3' OF EXISTING PIPE AT THE CATCH BASIN AND REPLACE WITH CPEP. USE THE PIPE CONNECTION DETAIL ON SHEET E5 TO CONNECT CPEP TO CMP. THIS CONNECTION IS SUBSIDIARY TO REMOVE PIPE AND FURNISH AND INSTALL (18" CPEP) PAY ITEMS.
3. DEWATERING AND STORM DRAIN BYPASS IF REQUIRED, ARE SUBSIDIARY TO OTHER STORM DRAIN ITEMS.
4. STATIONS AND OFFSETS FOR STRUCTURES LISTED ON STORM DRAIN TABLES REFER TO CENTER OF STRUCTURE.

WATER SYSTEM NOTES:

1. THE FURNISH AND INSTALL 6" GATE VALVE PAY ITEM INCLUDES ALL WORK REQUIRED FOR THE REPLACEMENT OF THE EXISTING VALVE, THIS INCLUDES: EXCAVATION, BACK FILL, REMOVAL OF THE EXISTING VALVE, CONNECTION TO THE EXISTING 6" GALVANIZED DIP WATER MAIN, SHUTTING OFF THE EXISTING WATER MAIN, AS WELL AS FLUSHING AND TESTING (PER 60.02) .

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	19-310-110	2020	A2	A6

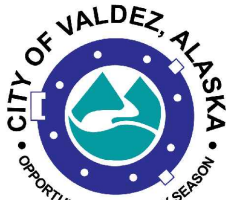
CALL BEFORE YOU DIG!

CONTRACTOR SHALL CALL A MINIMUM OF
3 DAYS IN ADVANCE OF CONSTRUCTION

ALASKA DIGLINE....907-278-3121 OR 800-478-3121

CALL OR GO TO WWW.AKONECALL.COM/STATEWIDE.HTM
FOR MEMBER LIST OF WHO WILL BE NOTIFIED

CONTACT THE FOLLOWING UTILITIES DIRECTLY:
City of Valdez Water/Waste Water 835-4888
Copper Valley Electric Association 835-4301
Copper Valley Telephone Cooperative 835-2231
GCI 220-6097



3/27/20

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, AK 99503
(907) 346-2373



CITY OF VALDEZ
PAVEMENT MANAGEMENT PHASE 1
WEST EGAN DRIVE

SHEET LAYOUT, INDEX,
AND GENERAL NOTES

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	19-310-110	2020	A3	A6

	EXISTING	PROPOSED
PIPELINES:		
STORM DRAIN STRUCTURE AND PIPE NUMBERS, APPLICABLE IF SHOWN		
STORM DRAIN		
MANHOLE STORM DRAIN		
CURB INLET CATCH BASIN		
FIELD INLET CATCH BASIN		
PIPE CULVERT w/ END SECTION		
SANITARY SEWER		
MANHOLE SANITARY SEWER		
SANITARY SEWER CLEAN OUT		
SEPTIC VENTS		
WATER		
FIRE HYDRANT		
VALVE OR RISER		
ELECTRIC (OVERHEAD)		
ELECTRIC (UNDERGROUND)		
UTILITY POLE		
UTILITY POLE WITH LUMINAIRE		
GUY WIRE		
ELECTRICAL TRANSFORMER		
TELEPHONE (UNDERGROUND)		
TELEPHONE PEDESTAL		
FIBER OPTIC		
FIBER OPTIC MANHOLE		
CABLE TV (UNDERGROUND)		
CABLE TV PEDESTAL		

ABBREVIATIONS	
A.C.	- ASPHALT CEMENT
ASTM	- AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWWA	- AMERICAN WATER WORKS ASSOCIATION
AUX	- AUXILIARY
BF	- BOARD FOOT
BRWN	- BROWN
B.O.P.	- BEGINNING OF PROJECT/BOTTOM OF PIPE
C&G	- CURB AND GUTTER
CB	- CATCH BASIN AND CONSTRUCT CATCH BASIN
CIPP	- CURED IN PLACE PIPE
CMP	- CORRUGATED METAL PIPE
C.O.V.	- CITY OF VALDEZ
CY	- CUBIC YARD
CVEA	- COPPER VALLEY ELECTRIC ASSOCIATION
DEC	- DEPARTMENT OF ENVIRONMENTAL CONSERVATION
CVTC	- COPPER VALLEY TELEPHONE COOPERATIVE
D.I.P.	- DUCTILE IRON PIPE
DNSE	- DENSE
DOT	- DEPARTMENT OF TRANSPORTATION
DRK	- DARK

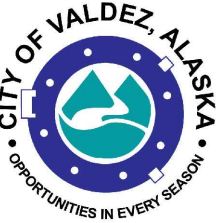
E	- EASTING OR EAST
EA	- EACH
ELEV	- ELEVATION
EOP	- END OF PROJECT
EX	- EXISTING
F&I	- FURNISH AND INSTALL
FT	- FOOT OR FEET
GRSC	- GALVANIZED RIGID STEEL CONDUIT
GV	- GATE VALVE
H	- HORIZONTAL
HDPE	- HIGH-DENSITY POLYETHYLENE
HMWPE	- HIGH MOLECULAR WEIGHT POLYETHYLENE
INV	- INVERT
IPS	- IRON PIPE SIZE
L	- LENGTH
LF	- LINEAR FOOT
LOC	- LIP OF CURB
LT	- LEFT
LS	- LUMP SUM
MAX	- MAXIMUM
MIN	- MINIMUM
MJ	- MECHANICAL JOINT

UTILITIES	EXISTING	PROPOSED
ELECTROLIER		
ILLUMINATION		
TYPE IA JUNCTION BOX		
TYPE II JUNCTION BOX		
LOAD CENTER		
TOWER LIGHTING		
RIGHT-OF-WAY		
PROPERTY LINE		
EASEMENT		
TEMPORARY CONSTRUCTION EASEMENT/PERMIT		
PROJECT CENTERLINE		
CONTOURS - MAJOR		
CONTOURS - MINOR		
TOPOGRAPHY		
MISCELLANEOUS		
TRAFFIC SIGN		
PRIVATE SIGN		
GEOTECHNICAL BORE LOCATION		
STORM MANHOLE COATING		

ROADWAY	EXISTING	PROPOSED
LIMIT OF CUT SLOPE		
LIMIT OF FILL SLOPE		
EDGE OF PAVEMENT		
CONCRETE CURB		
CONCRETE CURB & GUTTER		
CONCRETE CURB CUT		
SIDEWALK		
CURB RAMPS		
PARALLEL CURB RAMP		
DETECTABLE WARNING TILES		
DRIVEWAY APPROACH		
GRAVEL EDGE		
PATH / TRAIL		
FENCE		
DITCH		
DITCH LINING		
FLOW DIRECTION		
PAVEMENT		
SIDEWALK		

SURVEY	
BRASS CAP MONUMENT	
ALUMINUM MONUMENT	
ALUMINUM CAP	
ALUMINUM CAP	
TEMPORARY BENCHMARK	
BORE HOLE LEGEND	
TEST HOLE NUMBER	B-X
TOP OF TEST HOLE	
ML, DARK GRAY	
SM, DARK BROWN	
SP-SM, DARK GRAY	
BOTTOM OF TEST HOLE	
STATIC GROUND WATER LEVEL	
GROUND WATER LEVEL AT TIME OF DRILLING	

- NOTES:**
- STANDARD LEGEND AND ABBREVIATIONS SHOWN. NOT ALL LEGEND ITEMS ARE PART OF THIS CONTRACT.
 - SOIL CLASSIFICATION IS BASED UPON UNIFIED SOIL CLASSIFICATION (ASTM D 2487-00), SEE GEOTECHNICAL REPORT FOR MORE INFORMATION.
 - GROUND WATER LEVELS SHOWN ON PROFILES ARE APPROXIMATE. STATIC ELEVATIONS WERE NOT TAKEN AT ALL BOREHOLES. SEE GEOTECHNICAL REPORT FOR MORE INFORMATION



CITY OF VALDEZ
PAVEMENT MANAGEMENT PHASE 1
WEST EGAN DRIVE

LEGEND AND ABBREVIATIONS

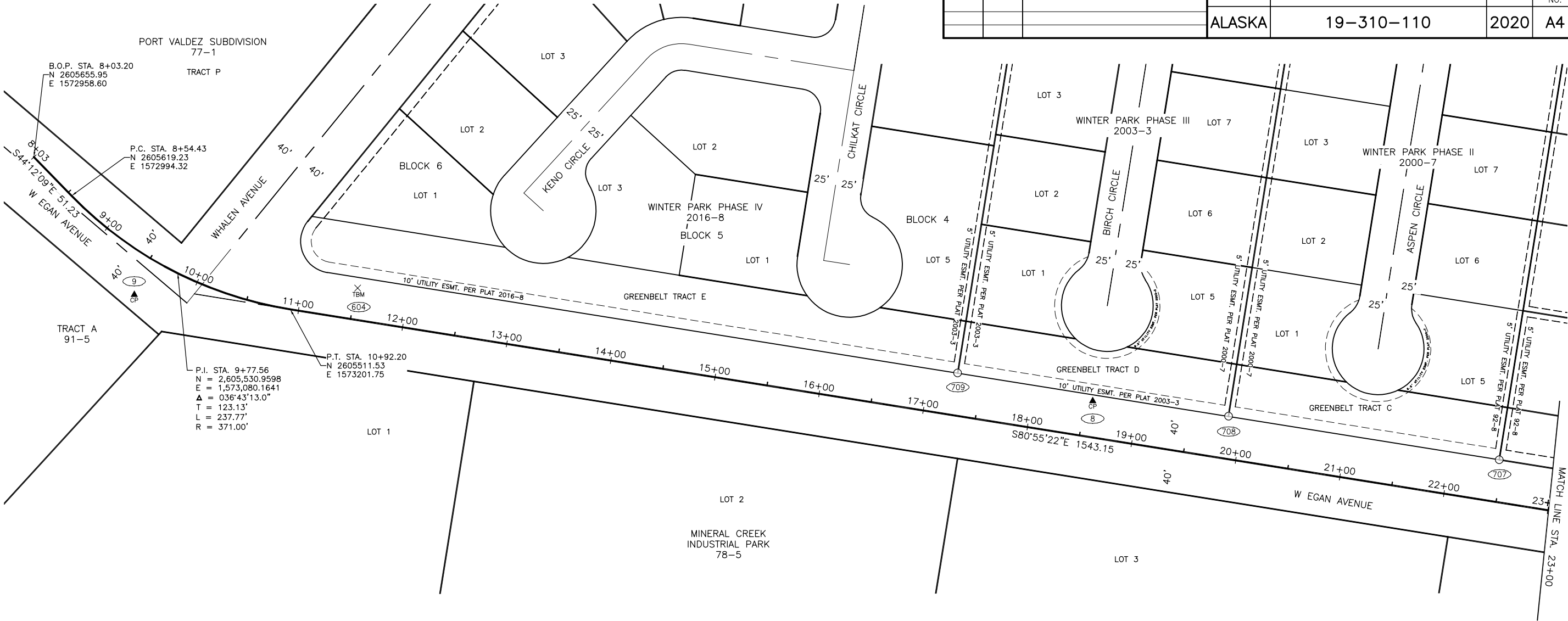
PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, AK 99503
(907) 346-2373

KINNEY
ENGINEERING, LLC
CERT. OF AUTH. NO. AECL 1102

3/27/20

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
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SURVEY NOTES

1. THE FIELD SURVEY WAS PERFORMED BY PROFESSIONAL AND TECHNICAL SERVICES INC.(PTS), FROM JULY 27, 2019 TO AUGUST 16, 2019. FIELD SURVEY INFORMATION FOR THIS PROJECT IS LOCATED IN PTS FIELD BOOKS 19-102, 19-103, 19-104, AND 19-105.
2. A TITLE SEARCH WAS NOT PERFORMED, EASEMENTS OF RECORD OTHER THAN THOSE SHOWN ON THE RECORDED PLATS ARE NOT SHOWN HEREON. RECORD REFERENCE INFORMATION FOR EASEMENTS IS NOT SHOWN HERON.
3. ALL DISTURBED PROPERTY CORNERS SHALL BE REPLACED BY THE CONTRACTOR IN ACCORDANCE WITH THE C.O.V. STANDARD SPECIFICATIONS, SECTION 65.02 CONSTRUCTION SURVEYING, ARTICLE 2.1 PROJECT CONTROL.
4. THE BASIS OF BEARING IS NAD83 (2011) EPOCH:2010 ALASKA STATE PLANE ZONE 3 GRID FROM GPS OBSERVATIONS.
5. COORDINATES ARE NAD83 (2011) EPOCH:2010 MODIFIED ALASKA STATE PLANE ZONE 3 SCALED TO GROUND FROM POINT NUMBER 1, AND EXPRESSED IN U.S. SURVEY FEET. THE BASIS OF COORDINATES IS POINT NUMBER 1 PER AN N.G.S OPUS SOLUTION.
6. TO CONVERT TO STATE PLANE COORDINATES, SCALE USING 0.99990091.
7. ELEVATIONS ARE BASED ON POINT NUMBER 1 PER N.G.S. OPUS SOLUTION, VERTICAL DATUM NAVD88 GEOID12B.

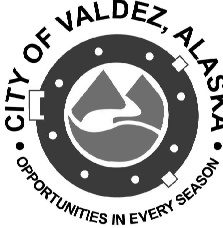
COORDINATE SCHEDULE					
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
9	9+54.41	37.58 RT	2605525.3271	1573053.7873	SET 2" ALUMINUM CAP ON 5/8" X 30" REBAR
8	18+57.26	34.18 LT	2605424.5855	1573962.6170	SET 2" ALUMINUM CAP ON 5/8" X 30" REBAR

COORDINATE SCHEDULE					
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
709	17+26.59	40.16 LT	2605451.1060	1573834.5322	FOUND ORANGE PLASTIC CAP
708	19+86.71	40.26 LT	2605410.1706	1574091.4118	FOUND 5/8" REBAR
707	22+46.70	39.93 LT	2605368.8274	1574348.0888	FOUND 1 1/2" ALUMINUM CAP

TBM COORDINATE SCHEDULE						
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
604	11+52.08	29.96 LT	2605532	1573266	43.43	"X" SCRIBED ON SOUTH BOLT OF FIRE HYDRANT

LEGEND

- FOUND PROPERTY CORNER
- ▲ CP SET 2" ALCAP ON 5/8"X30" REBAR
- X TBM SET PROJECT TBM
- 601 POINT NUMBER, SEE COORDINATE SCHEDULE



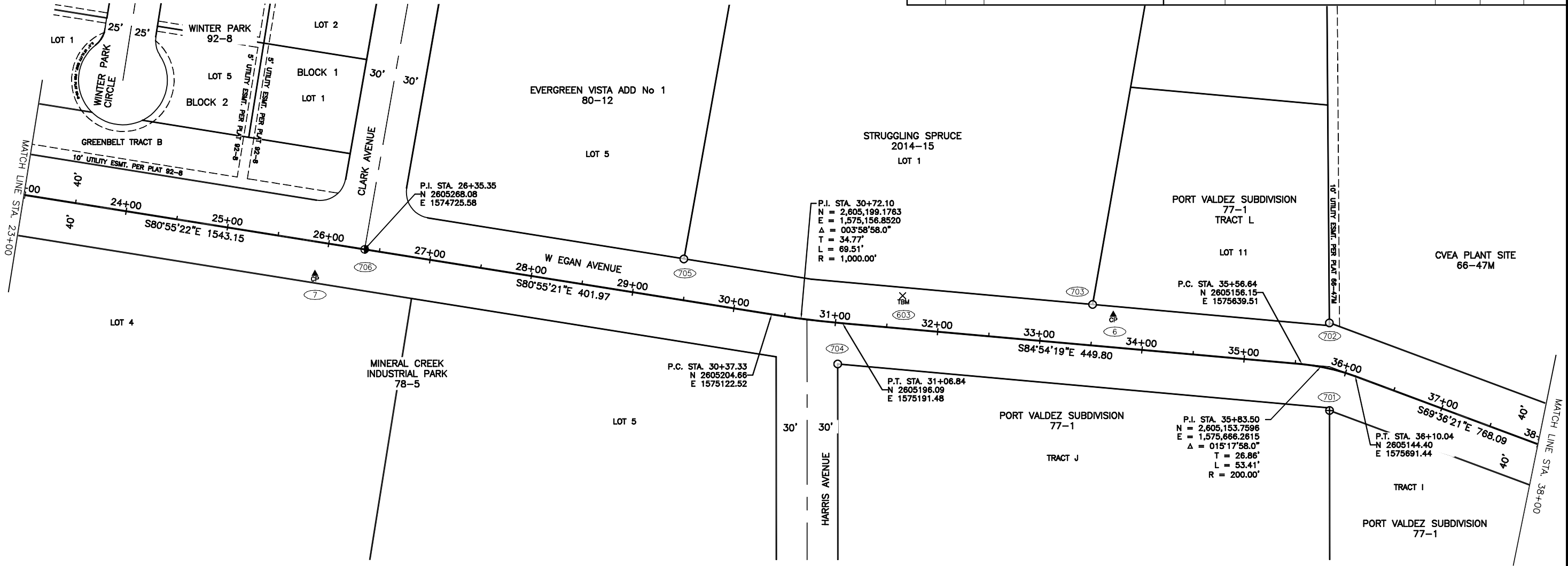
CITY OF VALDEZ
PAVEMENT MANAGEMENT PHASE 1

WEST EGAN AVENUE
STA BOP TO STA 23+00

SURVEY CONTROL SHEET

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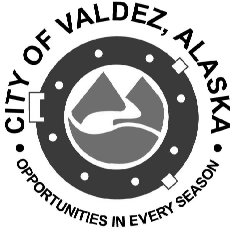
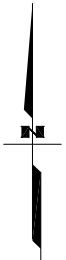
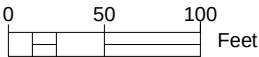
	A	B	C	D	E	F
1	COORDINATE SCHEDULE					
2	POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
3	7	25+91.33	31.12 RT	2605244.2921	1574677.1971	SET 2" ALUMINUM CAP ON 5/8" X 30" REBAR
4	6	33+69.05	31.74 LT	2605204.4129	1575455.4835	SET 2" ALUMINUM CAP ON 5/8" X 30" REBAR

COORDINATE SCHEDULE						
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION	
706	26+35.35	0.00 LT	2605268.0847	1574725.5786	FOUND 5/8" REBAR	
705	29+44.24	39.90 LT	2605258.7449	1575036.8915	FOUND 2" ALUMINUM CAP	
704	31+05.77	40.00 RT	2605156.3463	1575186.8273	FOUND 2" ALUMINUM CAP	
703	33+48.14	39.92 LT	2605214.4219	1575435.3816	FOUND 2" ALUMINUM CAP	
702	35+75.46	43.51 LT	2605196.3746	1575666.0732	FOUND 5/8" REBAR	
701	35+95.13	39.60 RT	2605111.0292	1575666.2839	FOUND 2 1/2" BRASS CAP	

COORDINATE SCHEDULE						
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
603	31+62.90	31.90 LT	2605223	1575250	40.66	"X" SCRIBED ON SOUTH BOLT OF FIRE HYDRANT

LEGEND

- ⊕ FOUND PRIMARY PROPERTY CORNER
- FOUND SECONDARY CENERLINE MONUMENT
- FOUND PROPERTY CORNER
- ⬆ SET 2" ALCAP ON 5/8"X30" REBAR
- X TBM SET PROJECT TBM
- (601) POINT NUMBER, SEE COORDINATE SCHEDULE



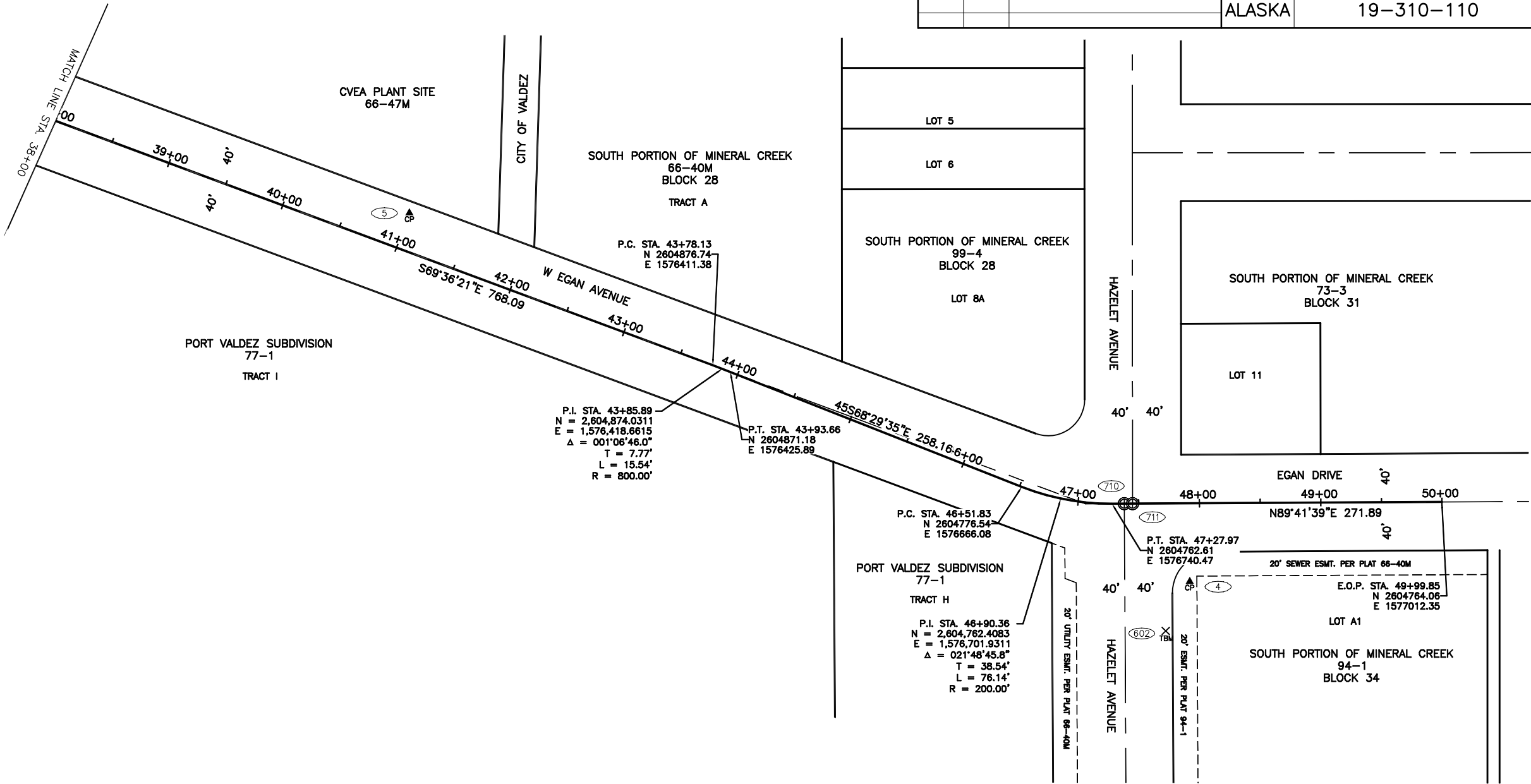
CITY OF VALDEZ
PAVEMENT MANAGEMENT PHASE 1

WEST EGAN AVENUE
STA 23+00 TO STA 38+00

SURVEY CONTROL SHEET

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	19-310-110	2020	A6	A6

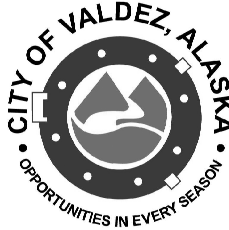
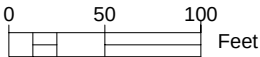


	A	B	C	D	E	F
1	COORDINATE SCHEDULE					
2	POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
3	5	41+00.04	30.50 LT	2605002.2332	1576161.3533	SET 2" ALUMINUM CAP ON 5/8" X 30" REBAR
4	4	47+91.65	64.52 RT	2604698.4343	1576804.4930	SET 2" ALUMINUM CAP ON 5/8" X 30" REBAR

COORDINATE SCHEDULE					
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
710	47+38.05	0.01 RT	2604762.6560	1576750.5480	FOUND 3" ALUMINUM MONUMENT IN CASE
711	47+44.87	0.04 RT	2604762.6607	1576757.3719	FOUND 3" ALUMINUM MONUMENT IN CASE

TBM COORDINATE SCHEDULE						
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
602	47+71.64	105.11 RT	2604658	1576785	32.64	SET SPIKE IN POWER POLE

- LEGEND
- ⊕ FOUND PRIMARY CENERLINE MONUMENT
 - ▲ CP SET 2" ALCAP ON 5/8"X30" REBAR
 - × TBM SET PROJECT TBM
 - 601 POINT NUMBER, SEE COORDINATE SCHEDULE



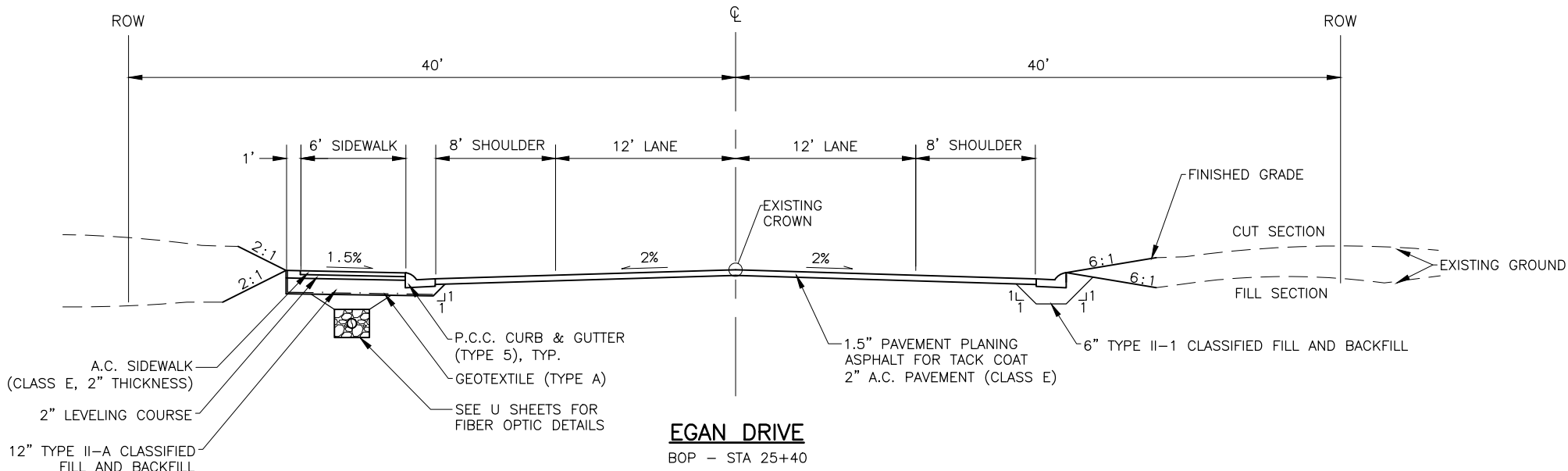
CITY OF VALDEZ
PAVEMENT MANAGEMENT PHASE 1

WEST EGAN AVENUE
STA 38+00 TO STA EOP

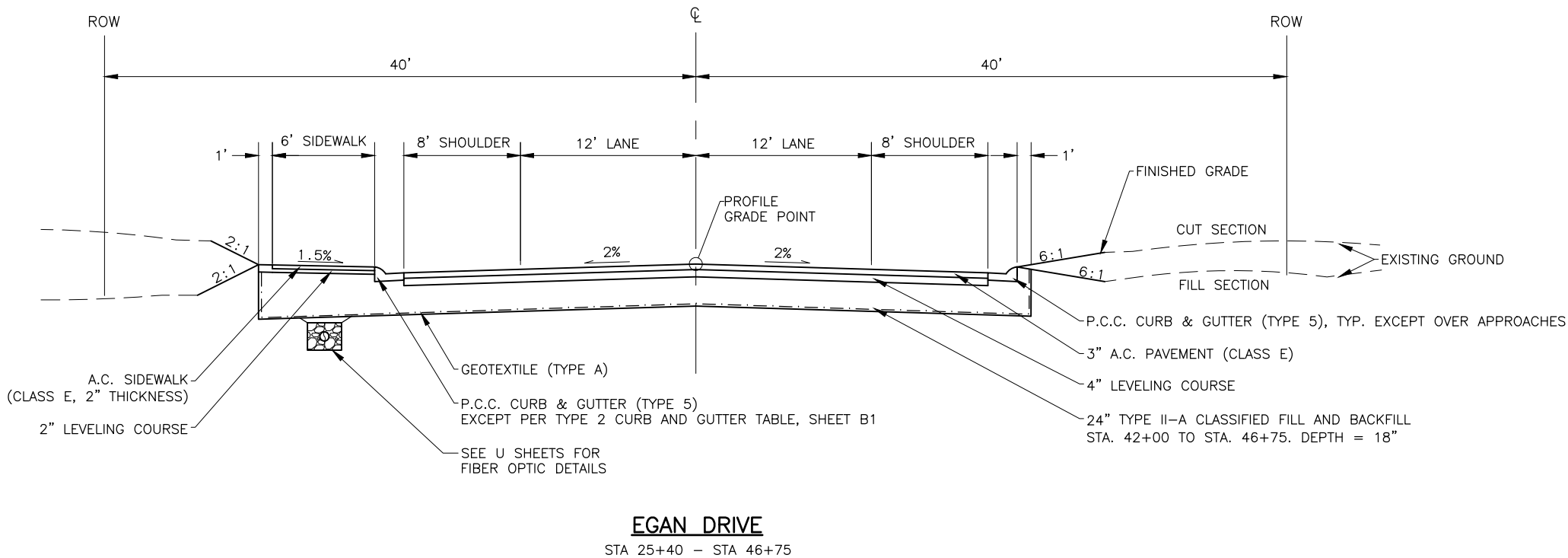
SURVEY CONTROL SHEET

FILE I:\PROJECTS\00581 VALDEZ DESIGN SERVICES\DWGS\C-EG\EG-SHEETS\581-EG-B1-BX.TYP-SECT.DWG DATE/TIME 3/27/2020 11:53 AM [LAYOUT] B1 DESIGNED CHECKED DRAFTED

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	19-310-110	2020	B1	B1

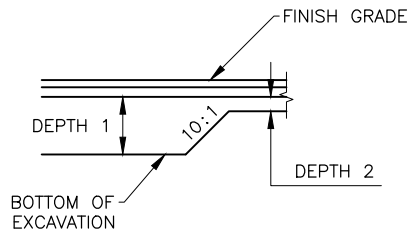


- NOTES:**
- FOR EMBANKMENT FILL, PROVIDE TYPE II-A CLASSIFIED FILL AND BACKFILL COMPACTED TO 95% OF MAXIMUM DENSITY.
 - TEST ROLLING SHALL BE PERFORMED ON THE IN-SITU SUBGRADE. SEE ADDITIONS TO THE STANDARD SPECIFICATIONS.

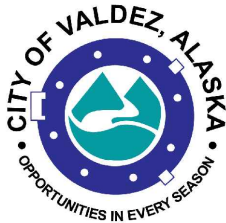


TYPE 2 CURB AND GUTTER
LEFT STATION RANGE
30+35 TO 33+27
33+80 TO 39+60
40+10 TO 42+40
43+97 TO 44+53

- NOTES:**
- SEE SHEET E5 FOR CURB AND GUTTER TRANSITION DETAIL.
 - SEE STANDARD DETAIL 30-1 FOR C&G DETAILS.
 - TABLE IS FOR SEGMENTS OF TYPE 2 CURB AND GUTTER ON THE NORTH SIDE OF THE ROAD. TYPE 2 CURB AND GUTTER ON THE SOUTH SIDE OF THE ROAD IS LIMITED TO DRIVEWAYS. SEE DETAIL ON SHEET E4.



EXCAVATION TRANSITION



3/27/20

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, AK 99503
(907) 346-2373

KINNEY
ENGINEERING, LLC
CERT. OF AUTH. NO. AECL 1102

CITY OF VALDEZ
PAVEMENT MANAGEMENT PHASE 1
WEST EGAN DRIVE

TYPICAL SECTIONS

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	19-310-110	2020	C1	C1

ESTIMATE OF QUANTITIES				
ITEM NO.	SPEC. NO.	WORK DESCRIPTION	UNIT	ESTIMATED QUANTITY
A-1	20.04	UNUSABLE EXCAVATION	CY	11,800
A-2	20.05	TYPE II-A CLASSIFIED FILL AND BACKFILL	TON	18,200
A-3	20.06	LEVELING COURSE	TON	2,700
A-4	20.07	TRENCH EXCAVATION AND BACKFILL (VARIOUS DEPTHS)	LF	233
A-5	20.11	BEDDING MATERIAL (CLASS "C")	TON	120
A-6	20.17	REMOVE EXISTING SIDEWALK	SY	1,970
A-7	20.18	REMOVE EXISTING CURB AND GUTTER	LF	7,250
A-8	20.19	REMOVE EXISTING PAVEMENT	SY	10,300
A-9	20.22	GEOTEXTILE (TYPE A)	SY	15,000
A-10	20.29	PAVEMENT PLANING	SY	6,600
A-11	20.30	STORM WATER POLLUTION PREVENTION PLAN	LS	ALL REQUIRED
A-12	20.35	RECONSTRUCT DRIVEWAY	EA	16
A-13	30.02	P.C.C. CURB AND GUTTER (ALL TYPES)	LF	7,230
A-14	30.07	P.C.C. CURB RAMP	EA	2
A-15	40.02	A.C. PAVEMENT (CLASS E)	TON	2,430
A-16	40.02	A.C. SIDEWALK (CLASS E, 2" THICKNESS)	SY	2,400
A-17	40.06	ASPHALT FOR TACK COAT	LS	1
A-18	55.02	FURNISH AND INSTALL 18" CPEP, TYPE S	LF	233
A-19	55.02	FURNISH AND INSTALL 54" CPEP, TYPE S	LF	12
A-20	55.04	CONSTRUCT TYPE II MANHOLE	EA	1
A-21	55.04	CONSTRUCT TYPE III MANHOLE	EA	1
A-22	55.04	REMOVE AND REPLACE FRAMES, GRATES AND LIDS	EA	1
A-23	55.06	CONSTRUCT CATCH BASIN	EA	19
A-24	55.07	CONNECT TO EXISTING STORM DRAIN MANHOLE	EA	2
A-25	55.15	ABANDON CATCH BASIN LEAD	EA	2
A-26	55.16	COATING INTERIOR STORM DRAIN MANHOLE	EA	3
A-27	60.03	FURNISH AND INSTALL 6" GATE VALVE	EA	1
A-28	60.09	REPLACE VALVE BOX	EACH	13
A-29	60.17	FURNISH AND INSTALL ANODE	EA	1
A-30	65.02	CONSTRUCTION SURVEY MEASUREMENT	LS	ALL REQUIRED
A-31	70.02	ADJUST MANHOLE CONE	EACH	1
A-32	70.03	ADJUST MANHOLE RING	EACH	27
A-33	70.06	REMOVE EXISTING CATCH BASIN	EA	16
A-34	70.07	ADJUST MAINLINE VALVE BOX TO FINISH GRADE	EA	19
A-35	70.09	ADJUST CLEANOUT TO FINISH GRADE	EA	1
A-36	70.13	PAINTED TRAFFIC MARKINGS	LS	ALL REQUIRED
A-37	70.14	STANDARD SIGN	SF	72
A-38	70.14	REMOVE AND RELOCATE/SALVAGE EXISTING SIGNS	EA	19
A-39	70.15	TRAFFIC MAINTENANCE	LS	ALL REQUIRED
A-40	70.15	TRAFFIC PRICE ADJUSTMENT	CS	ALL REQUIRED
A-41	70.16	REMOVE PIPE	LF	69
A-42	70.19	ABANDON CATCH BASIN	EA	1
A-43	75.04	TOP SOIL (AT 4" DEPTH)	MSF	17.3
A-44	75.05	SEEDING (SCHEDULE A)	MSF	17.3
A-45	80.99	FIBER OPTIC SYSTEM	LS	ALL

TABLE OF ESTIMATING FACTORS		
ITEM NO.	ITEM DESCRIPTION	ESTIMATING FACTOR
20.05	TYPE II-A CLASSIFIED FILL AND BACKFILL	144 LBS. / CUBIC FOOT
20.06	LEVELING COURSE	144 LBS. / CUBIC FOOT
20.11	BEDDING MATERIAL (CLASS "B")	2 TONS / CUBIC YARD
40.02	A.C. PAVEMENT (CLASS E)	151 LBS. / CUBIC FOOT



3/27/20

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CITY OF VALDEZ
PAVEMENT MANAGEMENT PHASE 1
WEST EGAN DRIVE

ESTIMATE OF QUANTITIES

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SCH A						
20.17 REMOVE EXISTING SIDEWALK						
SHEET	BEGIN		END		QUANTITY (SY)	REMARKS
	STATION	OFFSET	STATION	OFFSET		
F1-F4	10+75	LT	26+14	LT	845	ASPHALT SIDEWALK WITH CONCRETE PATCHES
F4-F5	26+65	LT	30+50	LT	214	ASPHALT SIDEWALK
F5-F8	30+50	LT	46+75	LT	903	CONCRETE SIDEWALK
ROUNDED TOTAL					1,970	

SCH A						
20.18 REMOVE EXISTING CURB AND GUTTER						
SHEET	BEGIN		END		QUANTITY (LF)	REMARKS
	STATION	OFFSET	STATION	OFFSET		
F1-F4	10+75	LT	26+15	LT	1,569	
F4-F8	26+58	LT	46+75	LT	2,043	
F1-F4	10+70	RT	26+73	RT	1,605	
F4	26+79	RT	27+08	RT	29	
F4-F5	27+29	RT	30+59	RT	361	
F5-F8	30+99	RT	46+75	RT	1,603	
ROUNDED TOTAL					7,250	

SCH A						
20.19 REMOVE EXISTING PAVEMENT						
SHEET	BEGIN STATION	END STATION	QUANTITY (SY)	REMARKS		
F4-F8	25+40	46+75	10,284			
ROUNDED TOTAL			10,300			

SCH A						
20.22 GEOTEXTILE (TYPE A)						
SHEET	BEGIN STATION	END STATION	WIDTH (LF)	QUANTITY (SY)	REMARKS	
F1-F4	10+70	25+40	9	1,470	UNDER SIDEWALK	
F4-F8	25+40	46+75	57	13,522	UNDER ROAD AND SIDEWALK	
ROUNDED TOTAL				15,000		

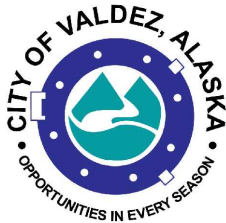
SCH A						
20.29 PAVEMENT PLANING						
SHEET	BEGIN STATION	END STATION	QUANTITY (SY)	REMARKS		
F1-F4	10+70	25+40	6,508			
ROUNDED TOTAL			6,600			

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	19-310-110	2020	D1	D3

SCH A						
30.02 P.C.C. CURB AND GUTTER (ALL TYPES)						
SHEET	BEGIN		END		QUANTITY (LF)	REMARKS
	STATION	OFFSET	STATION	OFFSET		
F1-F4	10+75	LT	26+14	LT	1,564	
F4-F8	26+58	LT	46+75	LT	2,044	
F1-F5	10+70	RT	30+59	RT	2,017	
F5-F8	30+99	RT	46+75	RT	1,595	
ROUNDED TOTAL					7,230	

SCH A						
30.07 P.C.C. CURB RAMP						
SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS		
F4	26+09	26 LT	1	CLARK AVE		
F4	26+62	26 LT	1	CLARK AVE		
ROUNDED TOTAL			2			

SCH A						
55.15 ABANDON CATCH BASIN LEAD & 70.16 REMOVE PIPE						
SHEET	STATION	OFFSET	ABANDON CB LEAD (EA)	REMOVE PIPE (LF)	REMARKS	
F1	10+80	RT		3	FOR S1-1	
F2	14+01	LT		3	FOR S2-1	
F2	13+99	RT		3	FOR S2-2	
F4	25+78	LT		3	FOR S4-1	
F4	25+95	LT		21	FOR S4-3	
F4	25+95	RT		3	FOR S4-2	
F4	26+80	LT	1			
F4	26+99	LT		3	FOR S4-5	
F5	33+43	LT		3	FOR S5-1	
F5	33+52	LT		3	FOR S5-2	
F5	33+51	RT		3	FOR S5-3	
F7	39+84	LT		3	FOR S7-1	
F7	39+84	RT		3	FOR S7-2	
F8	43+83	RT		3	FOR S8-2	
F8	46+59	LT		12	FOR S8-4 54" CMP	
F8	46+90	RT	1			
ROUNDED TOTAL			2	69		



3/27/20

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ENGINEERING, LLC
CERT. OF AUTH. NO. AECL 1102

CITY OF VALDEZ
PAVEMENT MANAGEMENT PHASE 1
WEST EGAN DRIVE

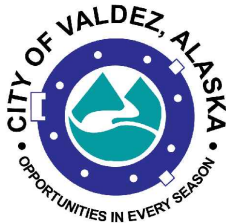
SUMMARY TABLES

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	19-310-110	2020	D2	D3

SCH A 60.03, 60.09, 60.17, AND 70.07 WATER SUMMARY							
SHEET	STATION	OFFSET	FURNISH AND INSTALL 6" GATE VALVE	REPLACE VALVE BOX	FURNISH AND INSTALL ANODE	ADJUST MAINLINE VALVE BOX TO FINISH GRADE	REMARKS
F1	11+53	27 LT		1			
F1	12+54	7 LT				1	
F1	12+87	13 LT				1	
F2	14+76	7 LT				1	
F2	15+86	13 LT				1	
F2	16+11	28 LT		1			
F2	17+07	8 LT				1	
F2	17+85	14 LT				1	
F2	18+11	28 LT		1			
F3	19+44	8 LT				1	
F3	19+87	14 LT				1	
F3	20+10	29 LT		1			
F3	21+77	7 LT				1	
F3	21+85	12 LT				1	
F3	22+10	28 LT		1			
F4	23+86	12 LT				1	
F4	24+11	27 LT		1			
F4	25+65	12 LT	1		1		
F4	26+45	13 LT				1	
F4	26+71	8 LT				1	
F4	26+87	28 LT		1			
F4	28+35	12 LT				1	
F5	29+98	8 LT				1	
F5	30+24	29 LT		1			
F5	30+71	12 LT				1	
F5	30+79	12 LT				1	
F5	32+52	27 LT		1			
F6	35+38	28 LT		1			
F6	35+74	10 LT				1	
F6	37+08	8 LT				1	
F6/F7	38+50	27 LT		1			
F7	41+26	28 LT		1			
F8	44+50	29 LT		1			
ROUNDED TOTAL			1	13	1	19	

SCH A 70.02, 70.03, AND 70.09 STRUCTURE ADJUSTMENT SUMMARY						
SHEET	STATION	OFFSET	ADJUST MANHOLE CONE	ADJUST MANHOLE RING	ADJUST CLEANOUT TO FINISH GRADE	REMARKS
F1	12+01	10 RT		1		SANITARY SEWER
F1	13+02	12 LT		1		SANITARY SEWER
F2	14+00	3 LT		1		STORM DRAIN
F2	14+97	10 RT		1		SANITARY SEWER
F2	15+72	10 RT		1		SANITARY SEWER
F2	16+03	11 RT		1		SANITARY SEWER
F2	18+00	2 LT		1		STORM DRAIN
F3	18+98	10 RT		1		SANITARY SEWER
F3	21+04	11 RT		1		SANITARY SEWER
F3	21+98	1 LT		1		STORM DRAIN
F3	23+00	11 RT		1		SANITARY SEWER
F3	23+40	10 RT		1		SANITARY SEWER
F4	25+96	2 LT		1		STORM DRAIN
F4	26+26	11 RT		1		SANITARY SEWER
F5	28+51	9 RT		1		SANITARY SEWER
F5	30+67	11 RT		1		SANITARY SEWER
F5	30+76	1 LT		1		STORM DRAIN
F5	33+00	10 RT		1		SANITARY SEWER
F5	33+51	2 LT		1		STORM DRAIN
F6	35+84	9 RT		1		SANITARY SEWER
F6	35+84	4 LT		1		STORM DRAIN
F7	39+00	10 RT		1		SANITARY SEWER
F7	39+00	20 LT		1		SANITARY SEWER
F7	39+51	30 LT			1	SANITARY SEWER CLEANOUT
F7	39+86	3 LT		1		STORM DRAIN
F7	42+26	16 RT		1		SANITARY SEWER
F7	42+76	2 LT	1			STORM DRAIN
F8	44+71	14 RT		1		SANITARY SEWER
F8	46+32	11 RT		1		SANITARY SEWER
ROUNDED TOTAL			1	27	1	



3/27/20

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CITY OF VALDEZ
PAVEMENT MANAGEMENT PHASE 1
WEST EGAN DRIVE

SUMMARY TABLES

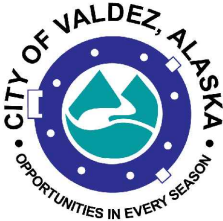
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	19-310-110	2020	D3	D3

SCH A				
70.06 REMOVE EXISTING CATCH BASIN				
SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
F1	10+81	RT	1	
F2	14+00	RT	1	
F2	14+01	LT	1	
F4	25+78	LT	1	
F4	25+95	LT	1	
F4	25+95	RT	1	
F4	26+58	LT	1	
F4	26+78	LT	1	
F4	26+99	LT	1	
F5	33+43	LT	1	
F5	33+51	RT	1	
F5	33+52	LT	1	
F7	39+84	LT	1	
F7	39+84	RT	1	
F8	43+83	LT	1	
F8	43+83	RT	1	
ROUNDED TOTAL			16	

SCH A			
75.04 AND 75.05 TOP SOIL (AT 4" DEPTH) AND SEEDING (SCHEDULE A)			
SHEET	OFFSET	QUANTITY (SF)	REMARKS
F1	LT	1,490	
F1	RT	355	
F2	LT	1,514	
F2	RT	862	
F3	LT	1,101	
F3	RT	800	
F4	LT	1,685	
F4	RT	792	
F5	LT	1,065	
F5	RT	1,177	
F6	LT	913	
F6	RT	1,181	
F7	LT	752	
F7	RT	1,653	
F8	LT	692	
F8	RT	1,275	
ROUNDED TOTAL (MSF)		17.3	

SCH A				
70.19 ABANDON CATCH BASIN				
SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
F8	46+92	26 RT	1	
ROUNDED TOTAL			1	



3/27/20

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PAVEMENT MANAGEMENT PHASE 1
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SUMMARY TABLES

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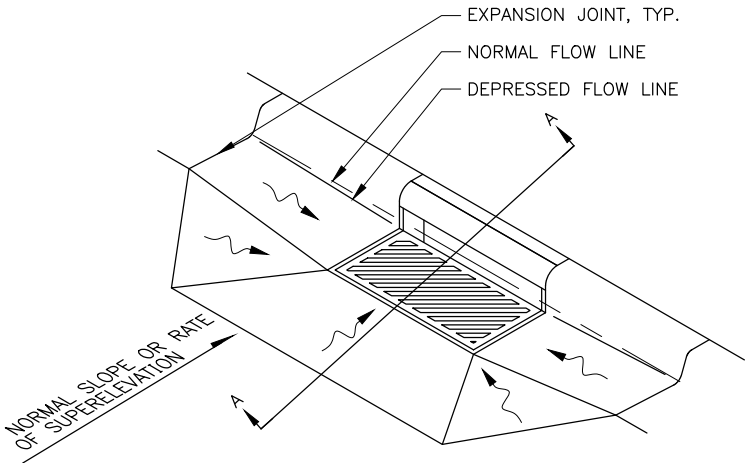
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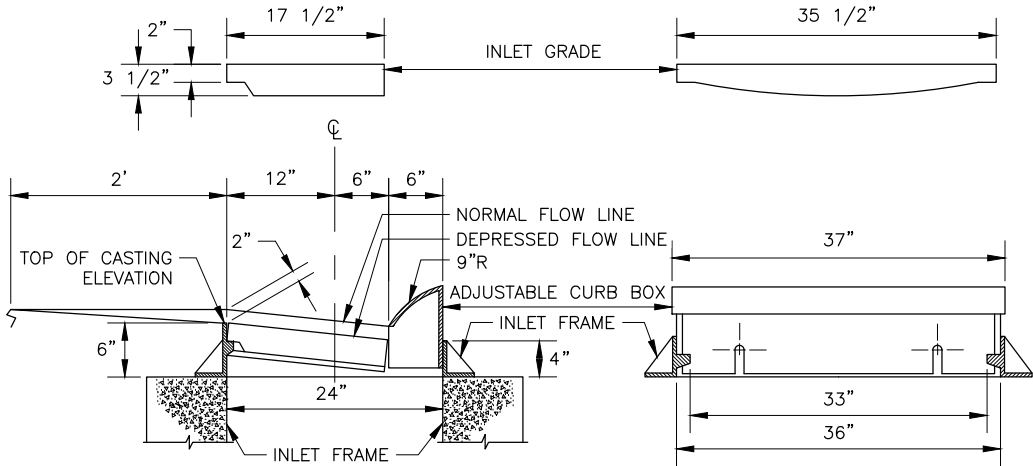
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			ALASKA	19-310-110	2020	E1	E6

GENERAL NOTES:

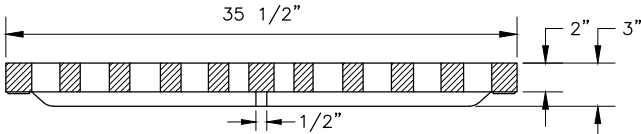
1. DETAILS SHOWN ARE TO INDICATE GENERAL DESIGN ONLY. DIMENSIONS AND DESIGN MAY VARY AMONG THE MANUFACTURERS.
2. MINIMUM CASTING WEIGHT SHALL BE 330 LBS FOR CURB INLET FRAME WITH CURB BOX AND 200 LBS. FOR INLET GRATE.
3. THE OUTSIDE DIMENSIONS OF INLET GRATE SHALL BE 35 1/2" X 17 1/2" AND ALL GRATES SHALL BE INTER-CHANGEABLE.
4. MINIMUM DRAINAGE AREA OF INLET GRATE SHALL BE 255 SQUARE INCHES.
5. INLET GRATE TYPE G-3R OR G-3L SHALL BE USED IN ALL CASES EXCEPT WHERE DRAINAGE IS FROM BOTH DIRECTIONS, IN WHICH CASE TYPE G-4 SHALL BE USED.



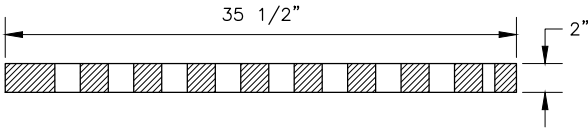
STANDARD CURB INLET INSTALLATION
NTS



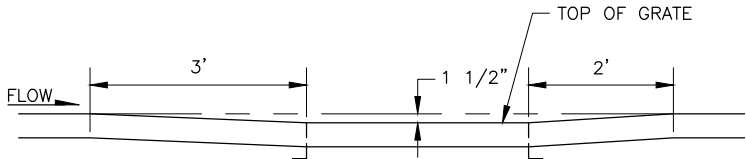
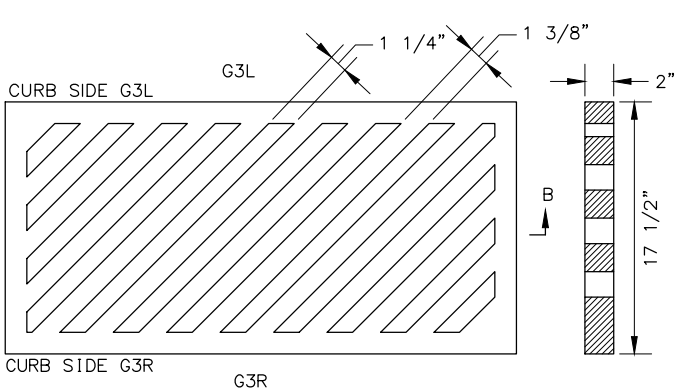
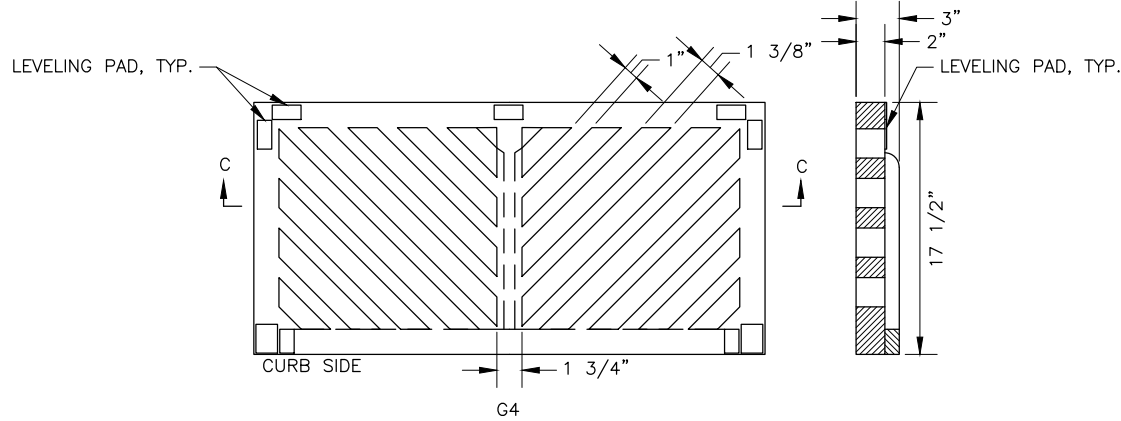
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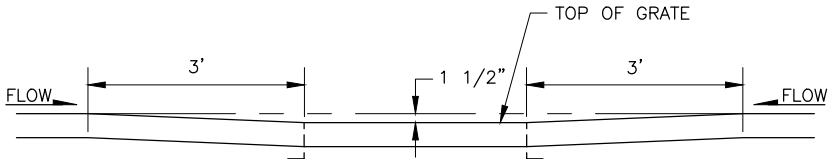
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SECTION B-B

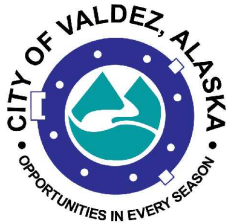


ON GRADE



AT LOW POINT

DEPRESSION IN FLOW LINE AT INLET CONSTRUCTION DETAILS
NTS



3/27/20

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CITY OF VALDEZ
PAVEMENT MANAGEMENT PHASE 1
WEST EGAN DRIVE

CURB INLET BOX, FRAME,
& GRATE DETAILS

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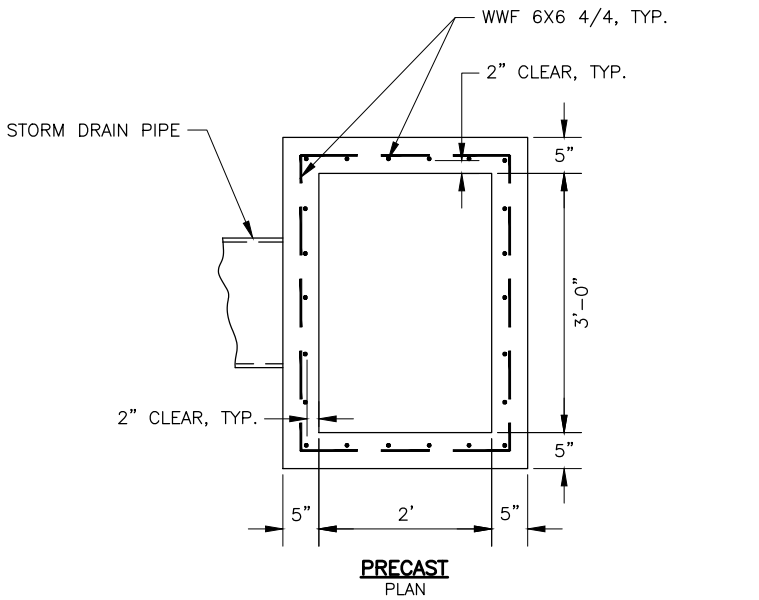
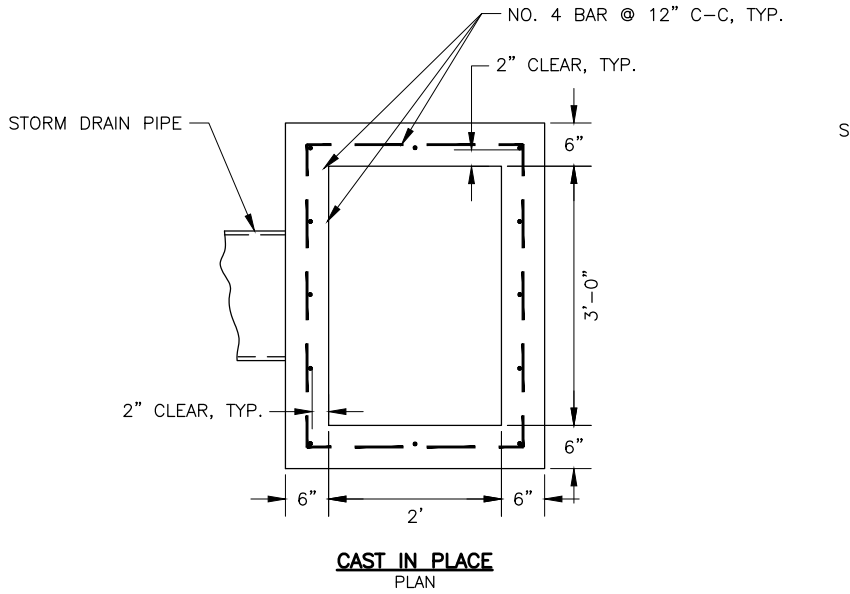
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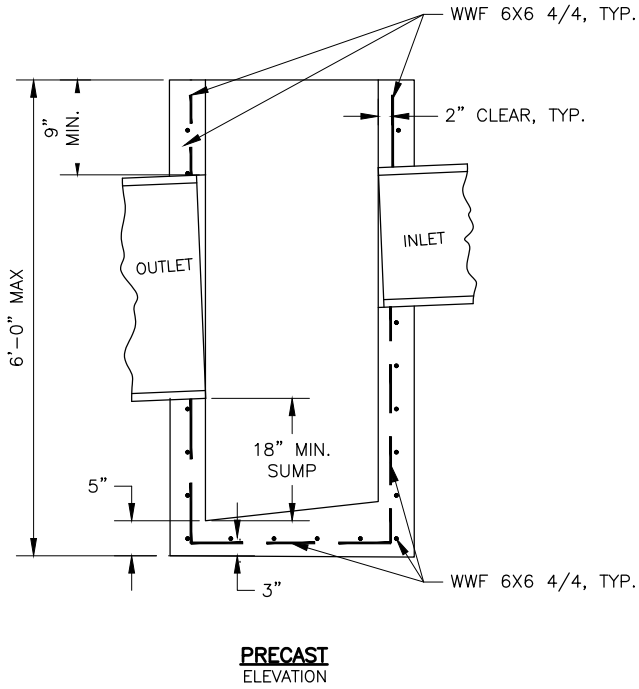
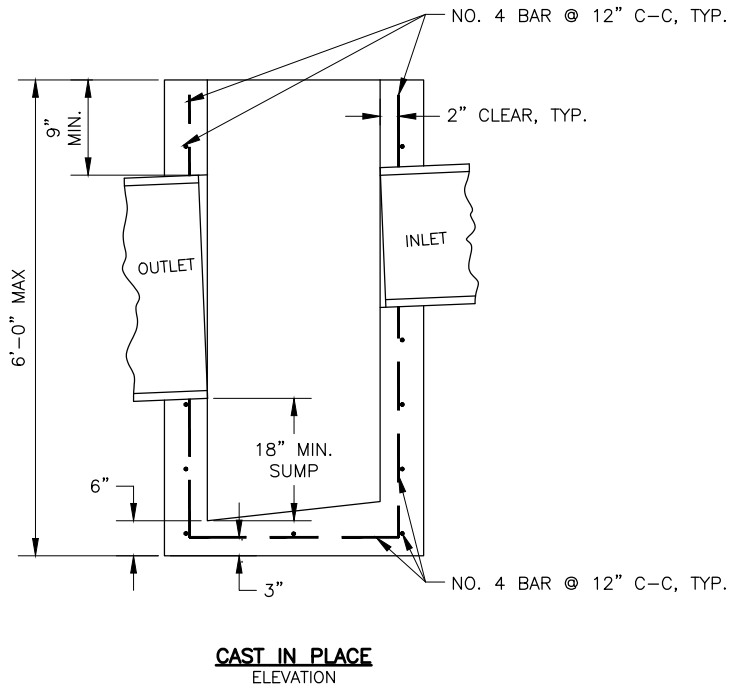
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DATE/TIME 3/27/2020 11:55 AM

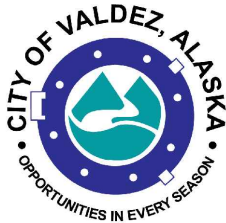
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	19-310-110	2020	E2	E6



- GENERAL NOTES:**
1. INSTALL INLET BOXES PARALLEL TO THE CURB LINE.
 2. SHAPE FLOORS TO DRAIN.



TYPE "A" CONCRETE INLET BOXES
NTS



3/27/20

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, AK 99503
(907) 346-2373

KINNEY
ENGINEERING, LLC
CERT. OF AUTH. NO. AECL 1102

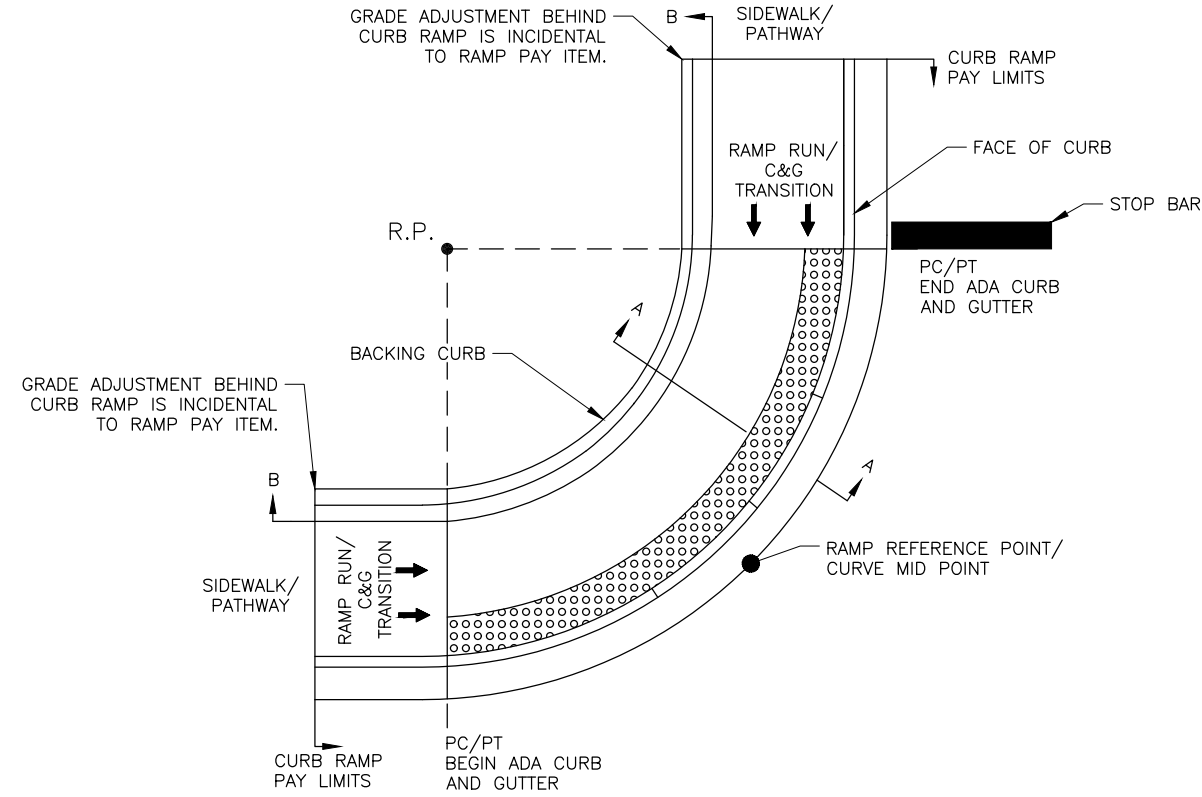
CITY OF VALDEZ
PAVEMENT MANAGEMENT PHASE 1
WEST EGAN DRIVE

TYPE A INLET BOX DETAILS

FILE [Z:\PROJECTS\00581 VALDEZ DESIGN SERVICES\DWGS\C-EG\ SHEETS\581-EG-E3-DTL.DWG] DATE/TIME 3/27/2020 11:55 AM LAYOUT E3 DESIGNED CHECKED DRAFTED

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	19-310-110	2020	E3	E6

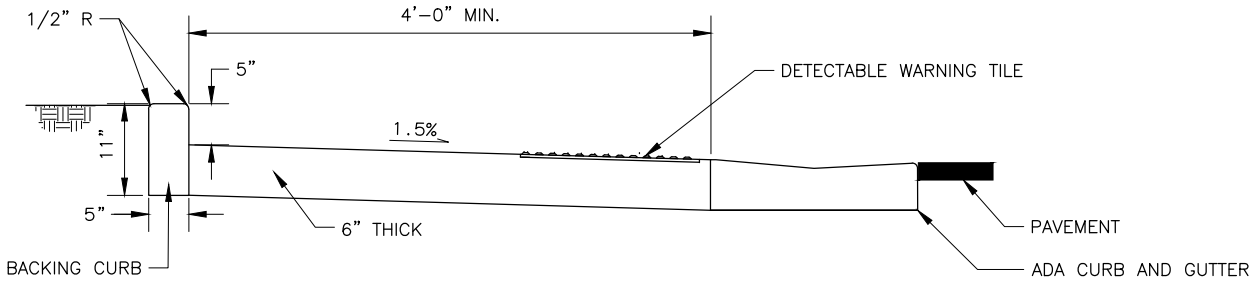
- CONSTRUCTION NOTES:**
- SEE PLANS FOR RAMP TYPE AT SPECIFIC LOCATIONS. SEE STRIPING PLANS FOR CROSSWALK LAYOUTS.
 - CONSTRUCT RAMP RUNS AND LANDINGS OF CONCRETE, REGARDLESS OF WHETHER THE SIDEWALK IS ASPHALT OR CONCRETE.
 - RAMP RUN LENGTHS ARE SHOWN FOR A FLAT SIDEWALK GRADE. FOR OTHER SIDEWALK GRADES, INCREASE OR DECREASE RAMP AND FLARE LENGTHS TO MAINTAIN THE SLOPES SHOWN.
 - CONSTRUCT RAMP SLOPES AT A NOMINAL 7.7% GRADE, OR FLATTER. RAMP SLOPES MAY BE INCREASED TO A MAXIMUM OF 8.3% WHEN SITE CONDITIONS WARRANT IT. RAMP LENGTHS SHOULD BE INCREASED TO KEEP GRADES UNDER THE 8.3% MAXIMUM, BUT ARE NOT REQUIRED TO EXCEED 15.0 FEET. THE RESULTING RAMP GRADE AT A 15.0 FOOT RAMP LENGTH IS ACCEPTABLE EVEN IF IT EXCEEDS 8.3%.
 - CONSTRUCT SIDEWALK CROSS SLOPES AT 1.5% NOMINAL (1.0% MIN. AND 2.0% MAX).
 - PROVIDE A COARSE BROOMED FINISH RUNNING PERPENDICULAR TO THE CURB ON RAMP RUNS AND UPPER LANDINGS AND PARALLEL TO THE CURB ON LOWER LANDINGS.
 - INSTALL 24" DETECTABLE WARNING TILES MEETING SECTION 705.1 OF THE 2006 ADA STANDARDS FOR TRANSPORTATION FACILITIES FOR THE FULL WIDTH OF THE RAMP.
 - MAXIMUM CROSS SLOPE ON LOWER LANDINGS IS 2.0% AS MEASURED IN ANY DIRECTION. MAXIMUM CROSS SLOPE ON RAMP IS 2.0% MEASURED PERPENDICULAR TO THE RAMP RUN.
 - PROVIDE 6" MINIMUM THICK CONCRETE ON RAMPS AND LANDING.



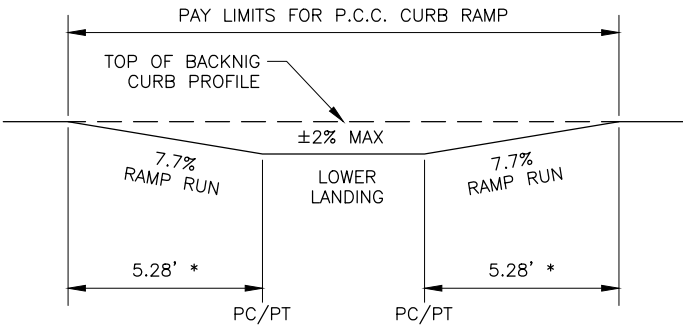
CURB RAMP TABLE	
LOCATION	REMARKS
EGAN AND CLARK, NW QUAD	SEE F4
EGAN AND CLARK, NE QUAD	SEE F4

TWO CROSSING DIRECTIONS AT CORNER

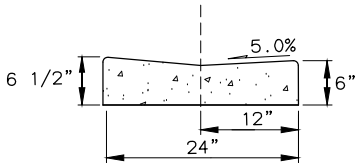
NTS
[Pattern] = DETECTABLE WARNING TILE. SEE NOTES



SECTION A-A
NTS



SECTION B-B



NTS



3/27/20

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, AK 99503
(907) 346-2373



CITY OF VALDEZ
PAVEMENT MANAGEMENT PHASE 1
WEST EGAN DRIVE

PARALLEL CURB RAMP

FILE I:\PROJECTS\00581 VALDEZ DESIGN SERVICES\DWGS\C-EG\ SHEETS\581-EG-E5-DTL.DWG

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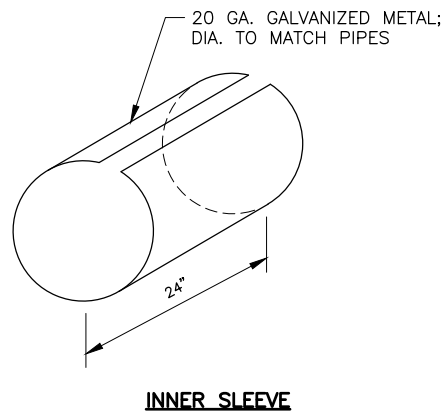
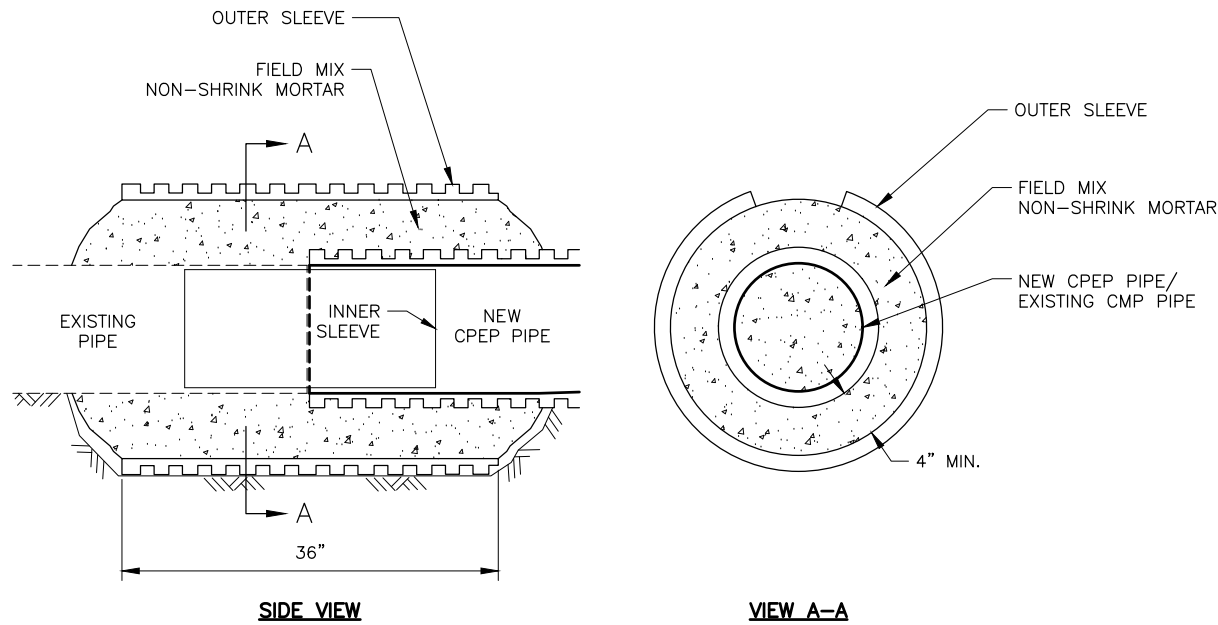
DESIGNED

E5

LAYOUT

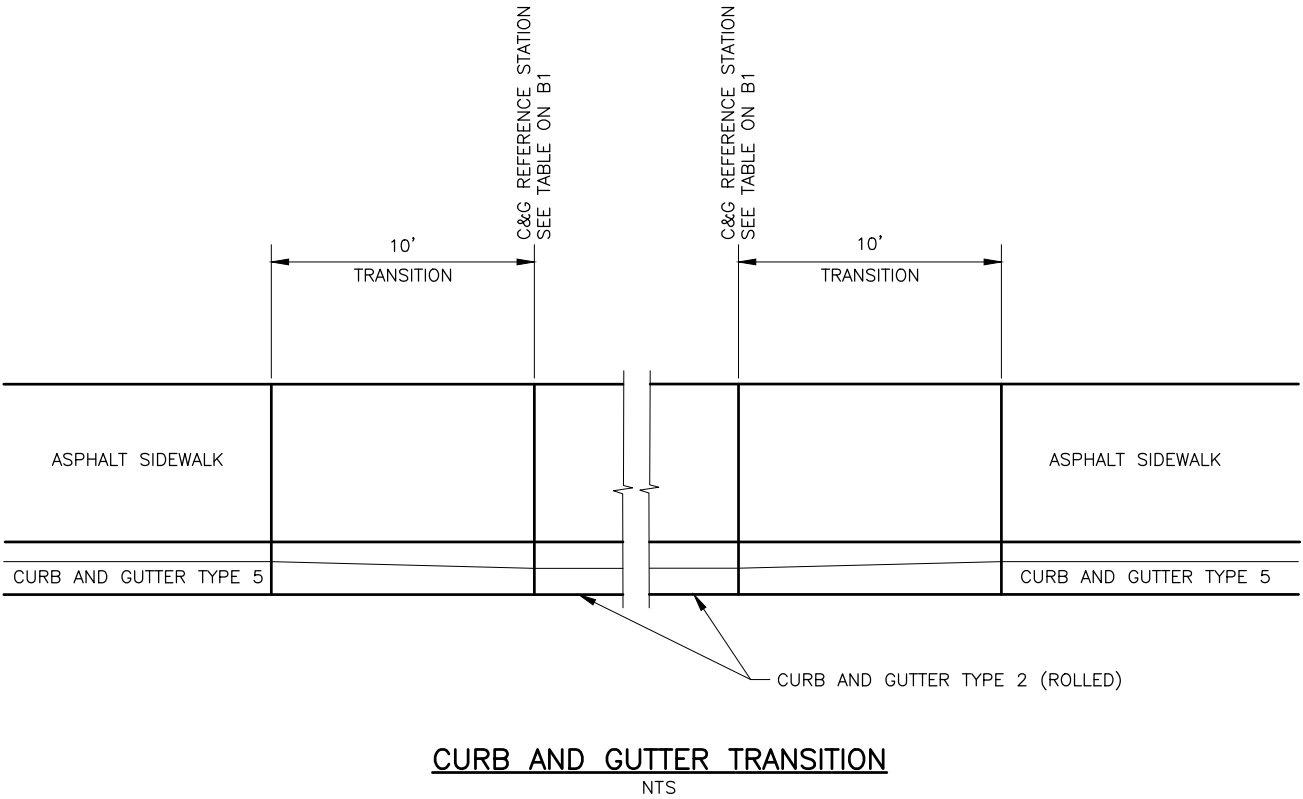
DATE/TIME 3/27/2020 11:56 AM

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	19-310-110	2020	E5	E6

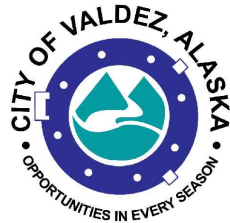


- CPEP PIPE CONNECTION NOTES:**
1. MATCH INVERTS OF EXISTING PIPE AND NEW CPEP PIPE. INNER SLEEVE SHALL FORM A SMOOTH TRANSITION, WITHOUT AN ABRUPT EDGE WITH NEW CPEP PIPE AND EXISTING CMP PIPE.
 2. INSTALL SLEEVES, CENTER ON JOINT. USE OUTER SLEEVE AS CONCRETE FORM.
 3. FILL OUTER SLEEVE WITH NON-SHRINK MORTAR.
 4. USE POTABLE WATER IN MINIMUM AMOUNTS TO PROVIDE PLASTICITY IN PLACING THE MORTAR.
 5. BACKFILL AND COMPACT TRENCH.

CPEP STORM PIPE CONNECTION
NTS



CURB AND GUTTER TRANSITION
NTS



3/27/20

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, AK 99503
(907) 346-2373

KINNEY
ENGINEERING, LLC
CERT. OF AUTH. NO. AECL 1102

CITY OF VALDEZ
PAVEMENT MANAGEMENT PHASE 1
WEST EGAN DRIVE

**CPEP CONNECTION DETAILS &
CURB AND GUTTER TRANSITION**

FILE I:\PROJECTS\00581 VALDEZ DESIGN SERVICES\DWGS\C-EG\ SHEETS\581-EG-E6-WTR MAIN DTL.DWG

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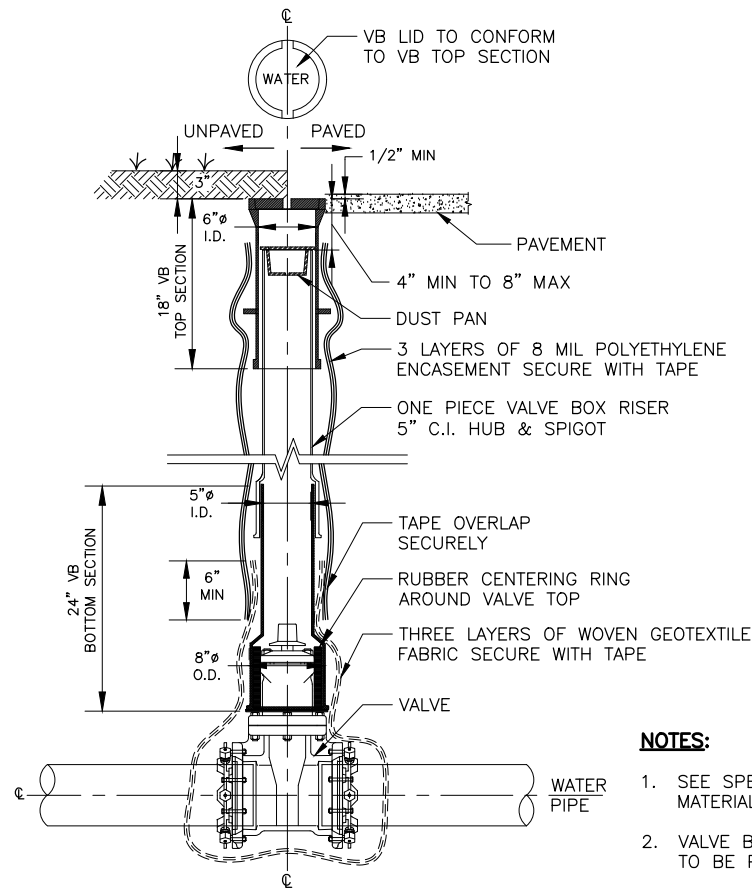
DESIGNED

E6

LAYOUT

DATE/TIME 3/27/2020 11:56 AM

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	19-310-110	2020	E6	E6



NOTES:

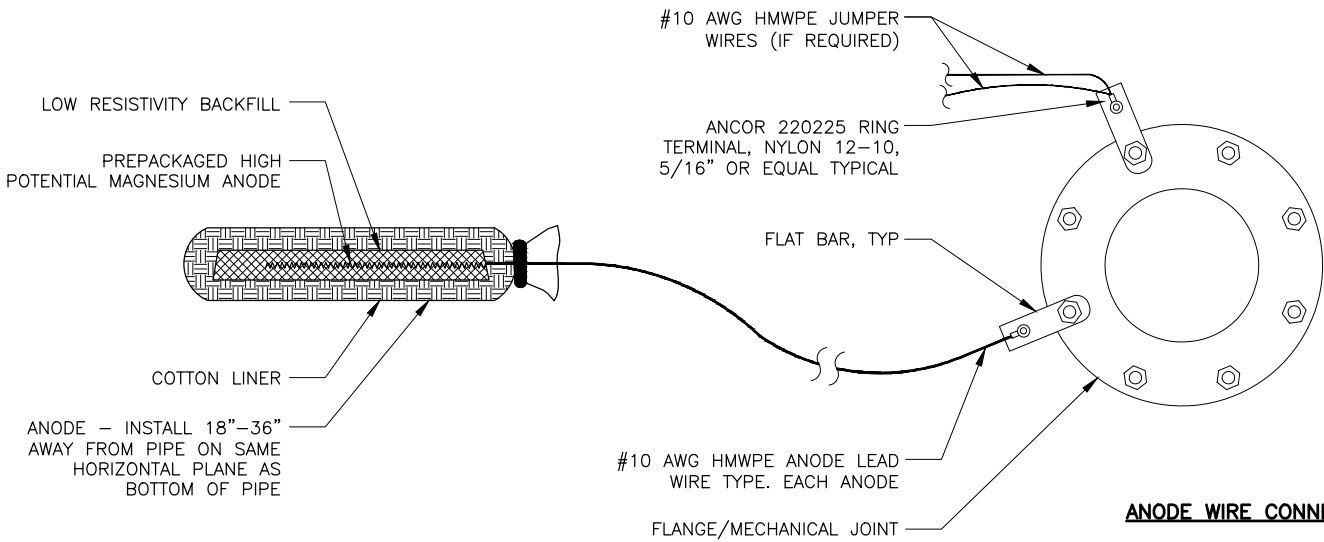
1. SEE SPECIFICATIONS FOR MATERIAL REQUIREMENTS.
2. VALVE BOX ASSEMBLY IS TO BE PLUMB.
3. DIMENSIONS ARE NOMINAL.

VALVE INSTALLATION NOTES:

1. LID AND TOP SECTION SHALL BE MUELLER MVB DUCTILE IRON ADJUSTABLE TOP OR APPROVED EQUAL.
2. EXTENSION PIECE AND BASE SECTION SHALL BE MUELLER MVB COMPOSITE OR APPROVED EQUAL.
3. VALVE BOX DUST PAN SHALL BE THE PRODUCT OF THE VALVE BOX MANUFACTURER.
4. FURNISH AND INSTALL RUBBER GASKET/NSF 61 BETWEEN ALL FLANGES.

TYPICAL VALVE BOX (VB)

NTS

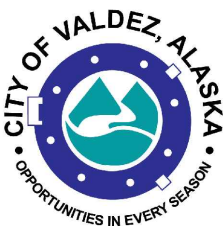


ANODE WIRE CONNECTION NOTES:

1. CONTRACTOR TO FABRICATE FLAT BAR.
2. INSTALL FLAT BAR ON BODY SIDE OF FLANGE OR MECHANICAL JOINT. REMOVE COATING AT THE FLAT BAR LOCATION PRIOR TO INSTALLATION. METAL TO METAL CONTACT IS REQUIRED. REPAIR VISIBLE COATING DAMAGE WITH DENSYL TAPE AND PRIMER.
3. CONNECT WIRE WITH COMPRESSION RING CONNECTOR AND 1/4 inch x 1 inch STAINLESS STEEL BOLT (TYPE 316) WITH WASHER AND SELF LOCKING NUT.
4. TWO #10 AWG HMWPE JUMPER WIRES REQUIRED TO CONNECT EACH VALVE/HYDRANT.
5. WRAP ELECTRICAL INSULATION TAPE AROUND RING CONNECTOR AND BOND STRAP (WIRE END ONLY). DENSYL TAPE OR APPROVED EQUAL.
6. WRAP ELECTRICAL INSULATION TAPE A MINIMUM OF 3 inch DOWN ON WIRE INSULATION TO ENCAPSULATE CONNECTION.

ANODE WIRE CONNECTION DETAIL

NTS



3/27/20

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, AK 99503
(907) 346-2373

KINNEY
ENGINEERING, LLC
CERT. OF AUTH. NO. AECL 1102

CITY OF VALDEZ
PAVEMENT MANAGEMENT PHASE 1
WEST EGAN DRIVE

WATER DETAILS

FILE I:\PROJECTS\00581 VALDEZ DESIGN SERVICES\DWGS\C-EG-SHEETS\581-EG-F1-F10.DWG

DATE/TIME 3/27/2020 11:58 AM

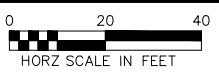
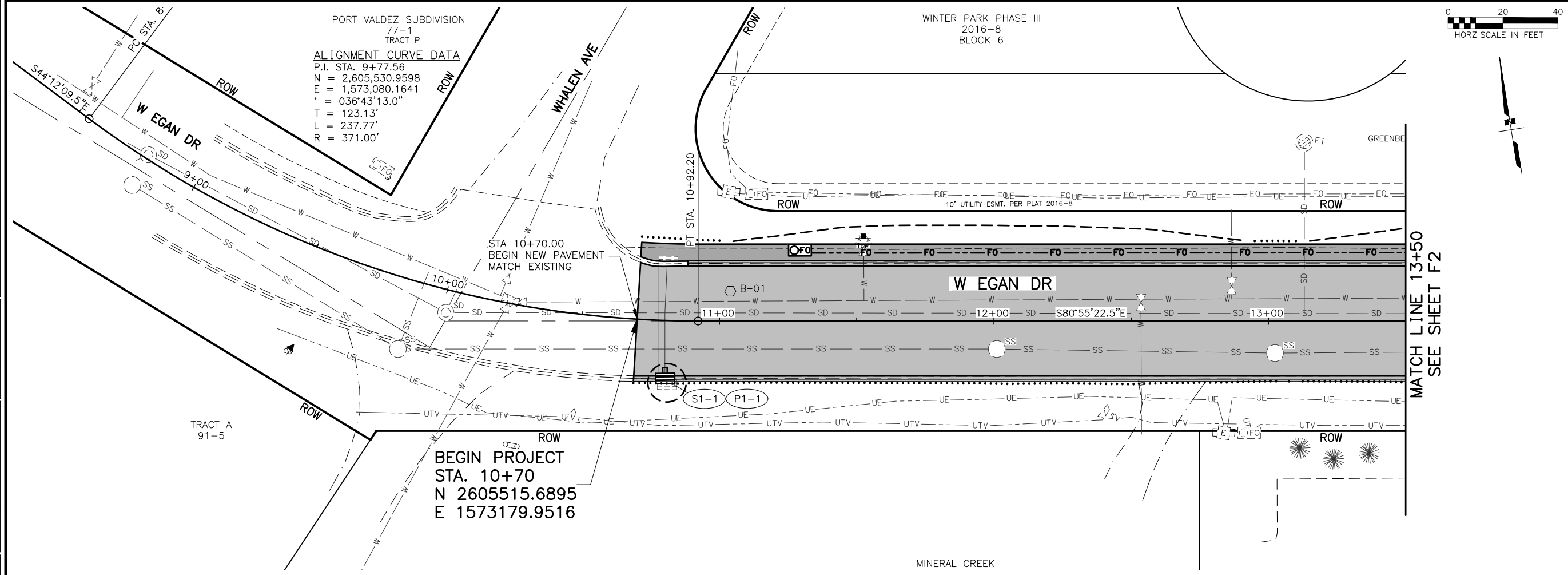
F1

LAYOUT

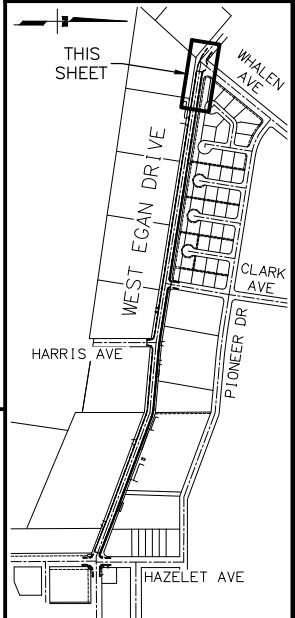
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SHEET NO.	TOTAL SHEETS
F1	F8
STATE	YEAR
ALASKA	2020
PROJECT DESIGNATION	
19-310-110	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

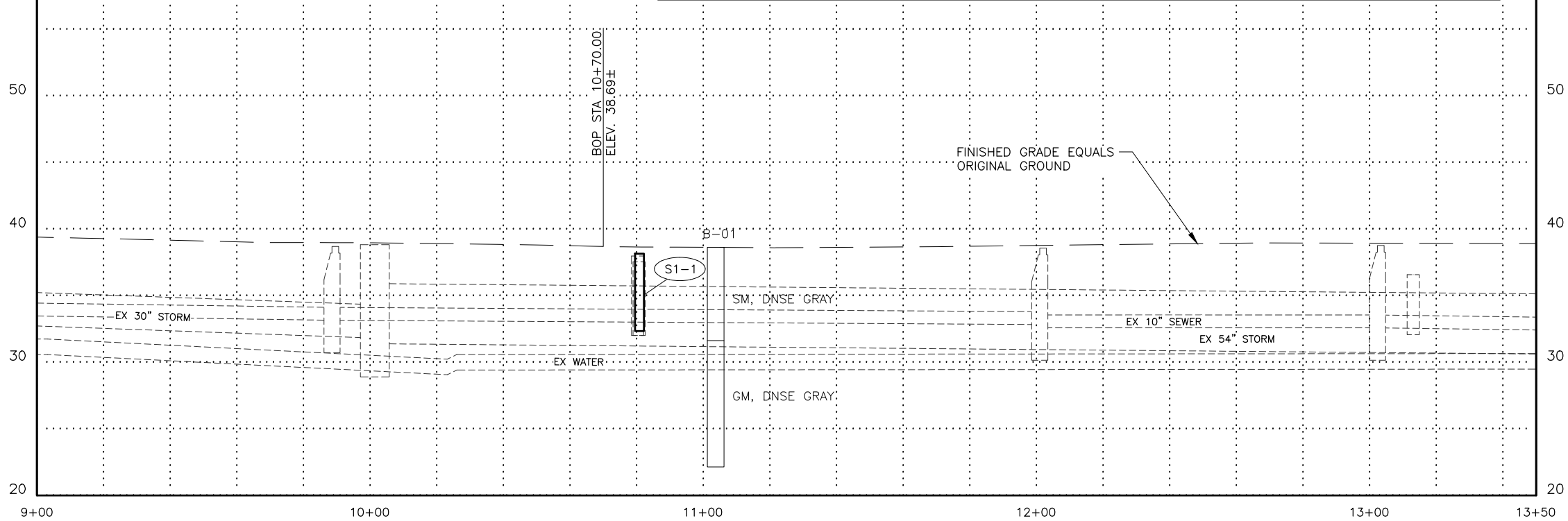


3/27/20
PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, AK 99503
(907) 346-2373
CERT. OF AUTH. NO. AECL 1102
KINNEY
ENGINEERING, LLC
CITY OF VALDEZ
PAVEMENT MANAGEMENT
WEST EGAN DRIVE

PLAN AND PROFILE
BOP TO STA 13+50

STORM PIPE SUMMARY								
PIPE	SIZE (IN)	LENGTH (FT)	INLET STRUCTURE	INLET INVERT ELEV. (FT)	OUTLET STRUCTURE	OUTLET INVERT ELEV. (FT)	% GRADE	REMARKS
P1-1	18	4.0	S1-1	34.84		M.E.	M.E.	CONNECT TO EX. CMP

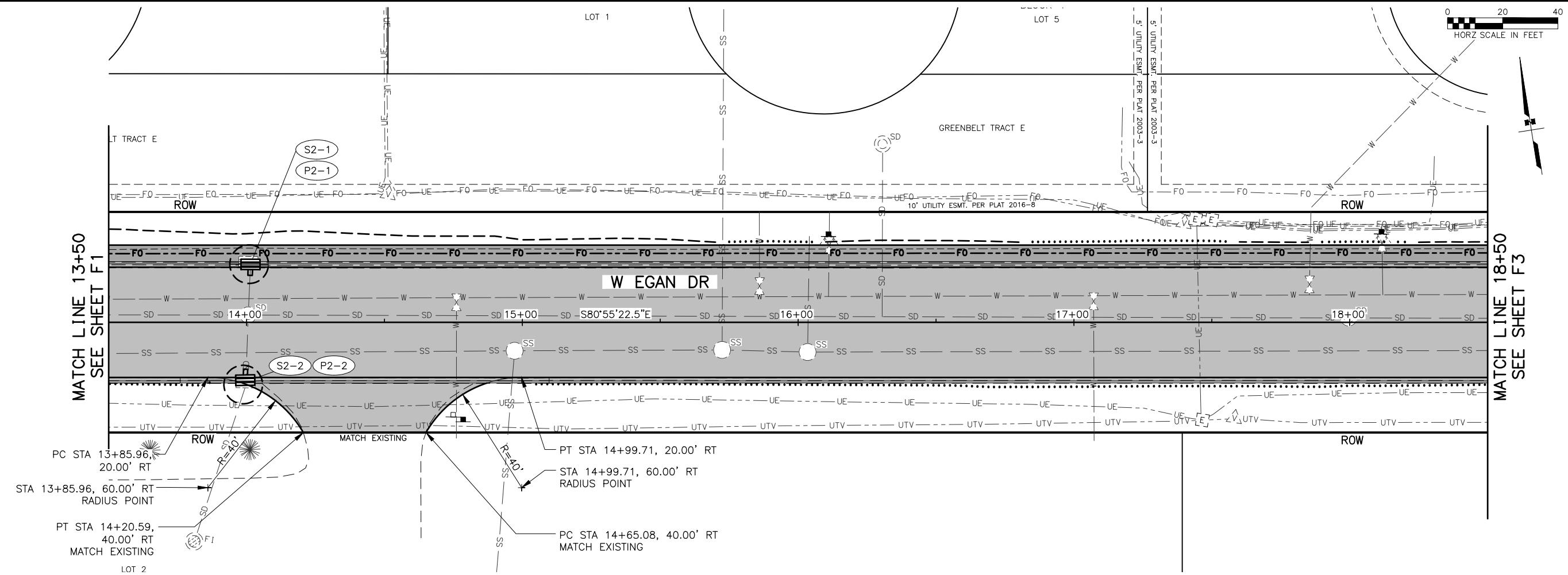
STORM STRUCTURE SUMMARY						
STRUCTURE	TYPE	STATION	OFFSET	TOP OF CASTING ELEV.	TYPE OF CASTING	REMARKS
S1-1	CONSTRUCT CATCH BASIN (TYPE A)	10+80.87	21.12' RT	38.15	INLET GRATE, C&G (TYPE 5)	REPLACE EX. CB.



FILE I:\PROJECTS\00581 VALDEZ DESIGN SERVICES\DWGS\C-EG-SHEETS\581-EG-F1-F10.DWG

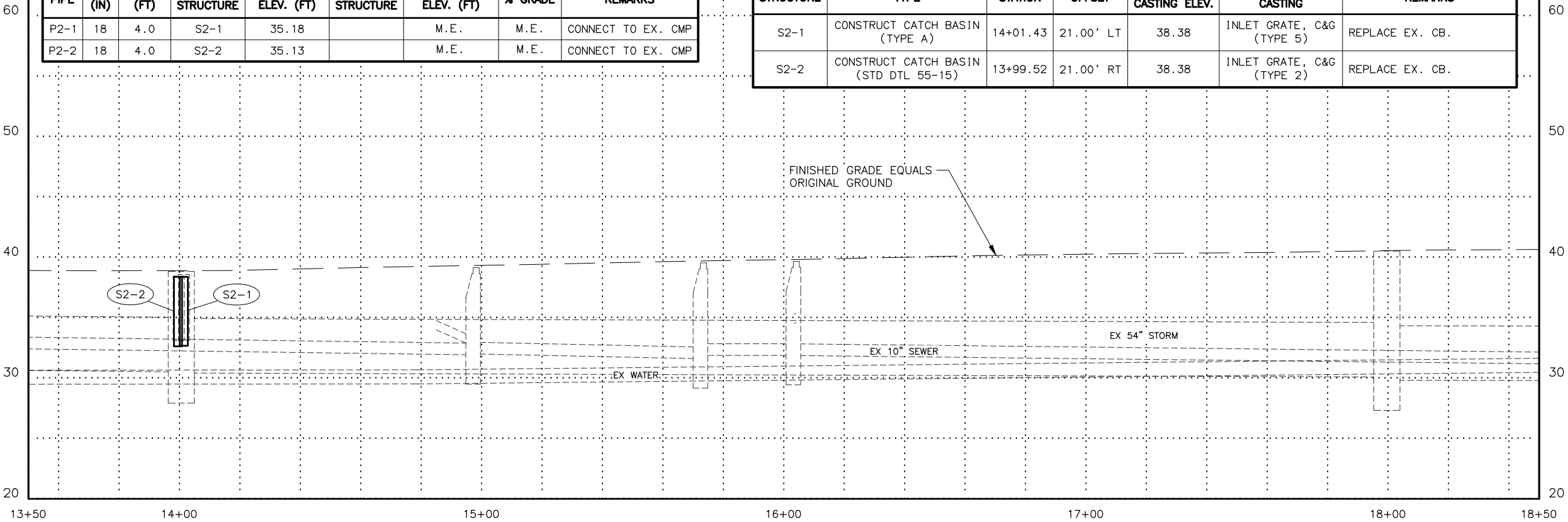
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DESIGNED CHECKED DRAFTED



STORM PIPE SUMMARY								
PIPE	SIZE (IN)	LENGTH (FT)	INLET STRUCTURE	INLET INVERT ELEV. (FT)	OUTLET STRUCTURE	OUTLET INVERT ELEV. (FT)	% GRADE	REMARKS
P2-1	18	4.0	S2-1	35.18		M.E.	M.E.	CONNECT TO EX. CMP
P2-2	18	4.0	S2-2	35.13		M.E.	M.E.	CONNECT TO EX. CMP

STORM STRUCTURE SUMMARY						
STRUCTURE	TYPE	STATION	OFFSET	TOP OF CASTING ELEV.	TYPE OF CASTING	REMARKS
S2-1	CONSTRUCT CATCH BASIN (TYPE A)	14+01.43	21.00' LT	38.38	INLET GRATE, C&G (TYPE 5)	REPLACE EX. CB.
S2-2	CONSTRUCT CATCH BASIN (STD DTL 55-15)	13+99.52	21.00' RT	38.38	INLET GRATE, C&G (TYPE 2)	REPLACE EX. CB.



SHEET NO. F2TOTAL SHEETS F8

STATE ALASKAYEAR 2020

PROJECT DESIGNATION 19-310-110

NO. DATE

NO. DATE

NO. DATE

NO. DATE

THIS SHEET

WHALEN

CLARK AVE

PIONEER DR

HARRIS AVE

HAZELET AVE

WEST EGAN DRIVE

CITY OF VALDEZ, ALASKA

OPPORTUNITIES IN EVERY SEASON

STATE OF ALASKA

49TH

Brian C. Lamson

CE 12817

REGISTERED PROFESSIONAL ENGINEER

3/27/20

PLANS DEVELOPED BY:

KINNEY ENGINEERING, LLC

3909 ARCTIC BLVD, SUITE 400

ANCHORAGE, AK 99503

(907) 346-2373

CERT. OF AUTH. NO. AECL 1102

KINNEY

ENGINEERING, LLC

CITY OF VALDEZ

PAVEMENT MANAGEMENT

WEST EGAN DRIVE

PLAN AND PROFILE

STA 13+50 TO STA 18+50

FILE Z:\PROJECTS\00581 VALDEZ DESIGN SERVICES\DWGS\C-EG-SHEETS\581-EG-F1-F10.DWG

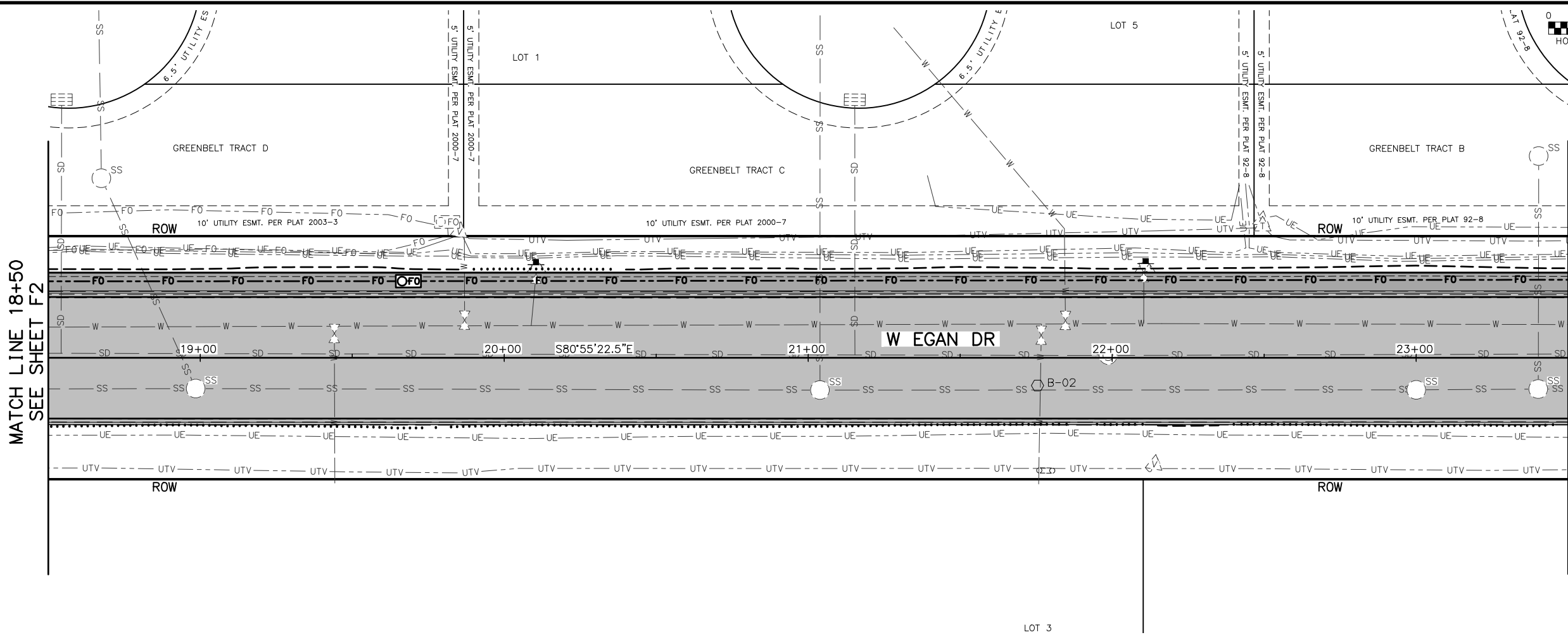
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LAYOUT F3

DESIGNED

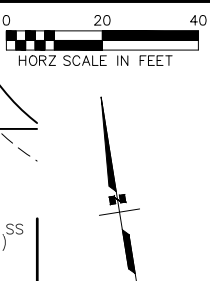
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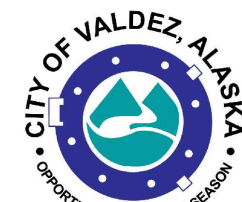
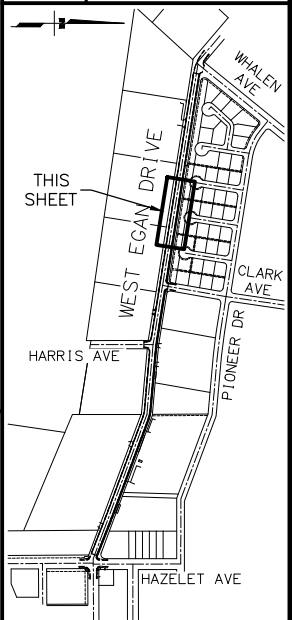


MATCH LINE 18+50
SEE SHEET F2

MATCH LINE 23+50
SEE SHEET F4



SHEET NO.	TOTAL SHEETS
F3	F8
STATE	YEAR
ALASKA	2020
PROJECT DESIGNATION	
19-310-110	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

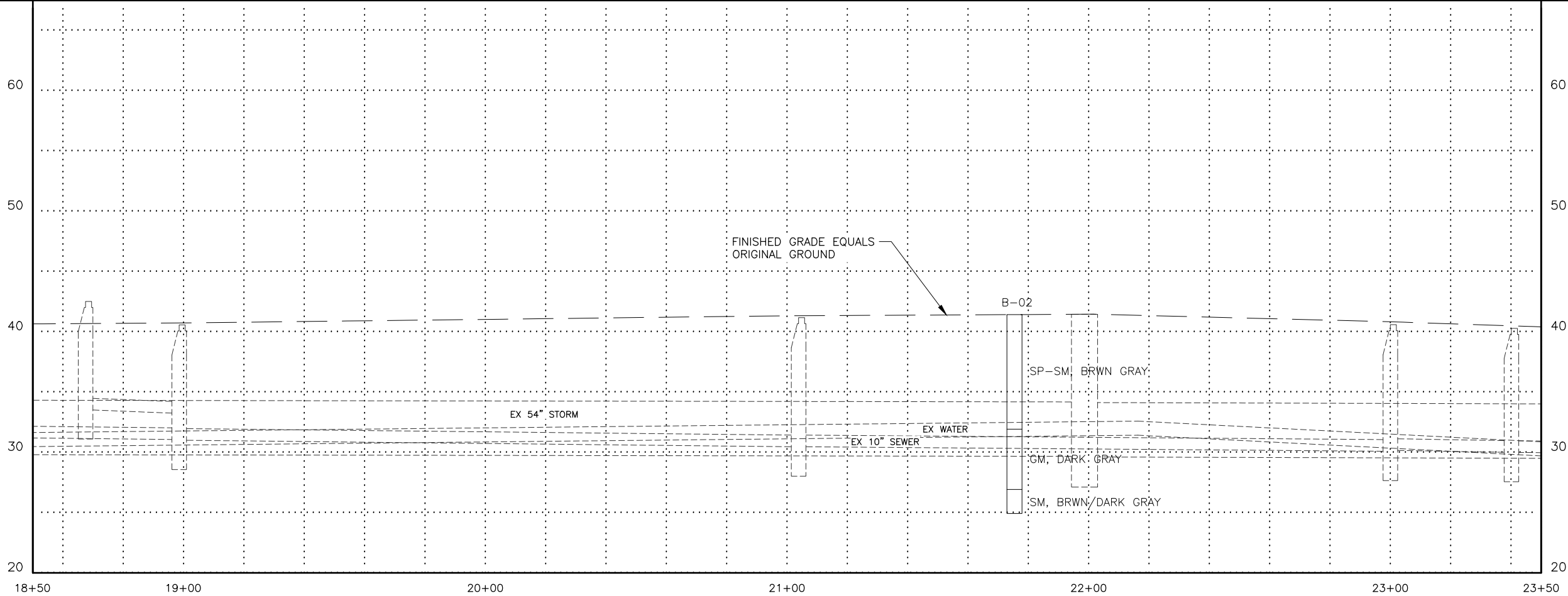


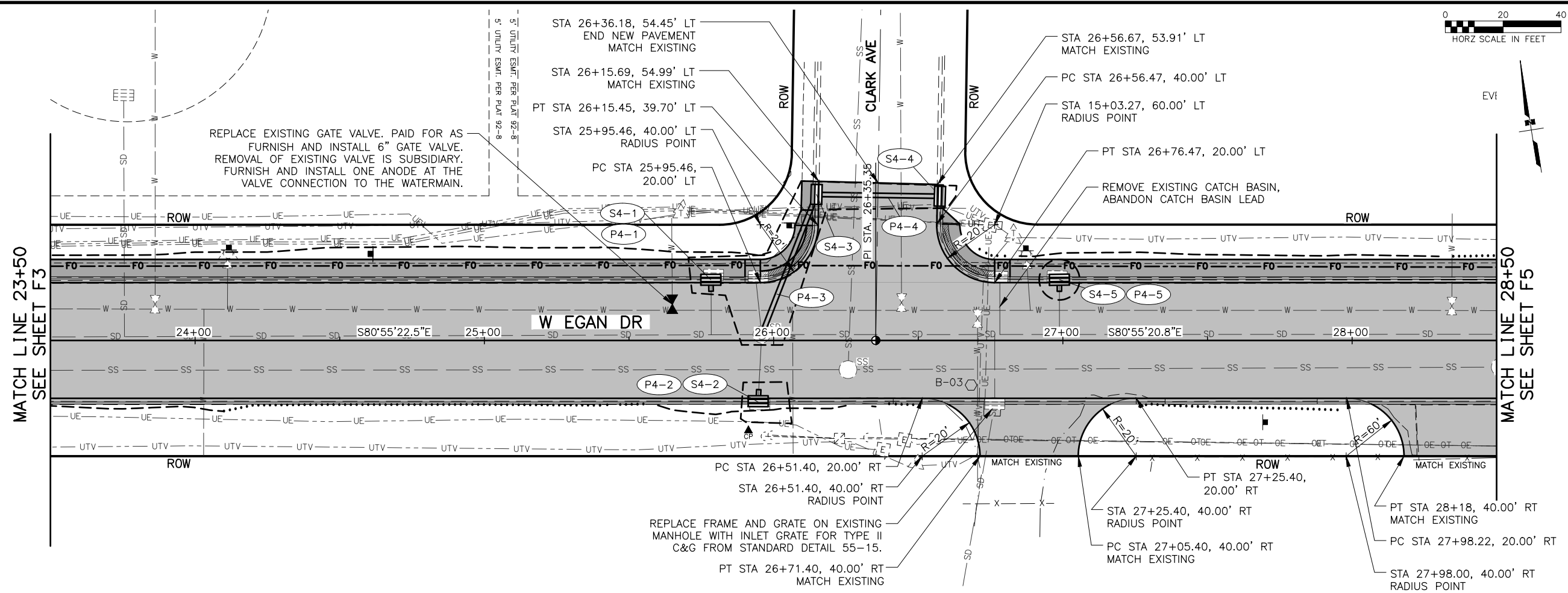
3/27/20 PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, AK 99503
(907) 346-2373
CERT. OF AUTH. NO. AECL 1102

KINNEY
ENGINEERING, LLC

CITY OF VALDEZ
PAVEMENT MANAGEMENT
WEST EGAN DRIVE

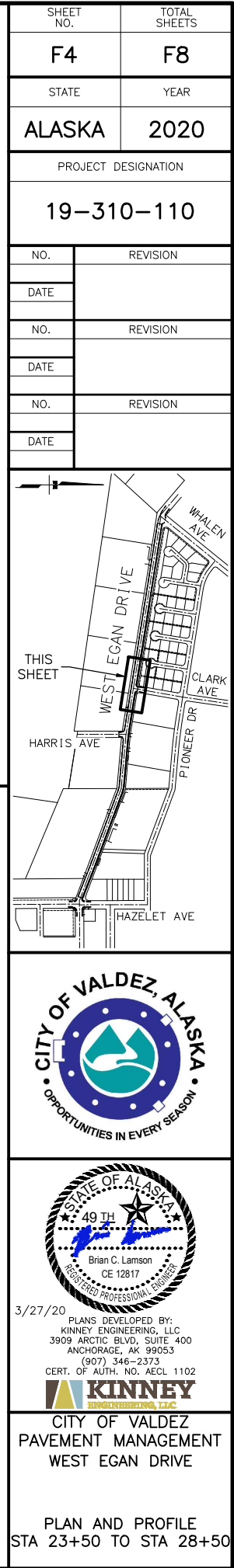
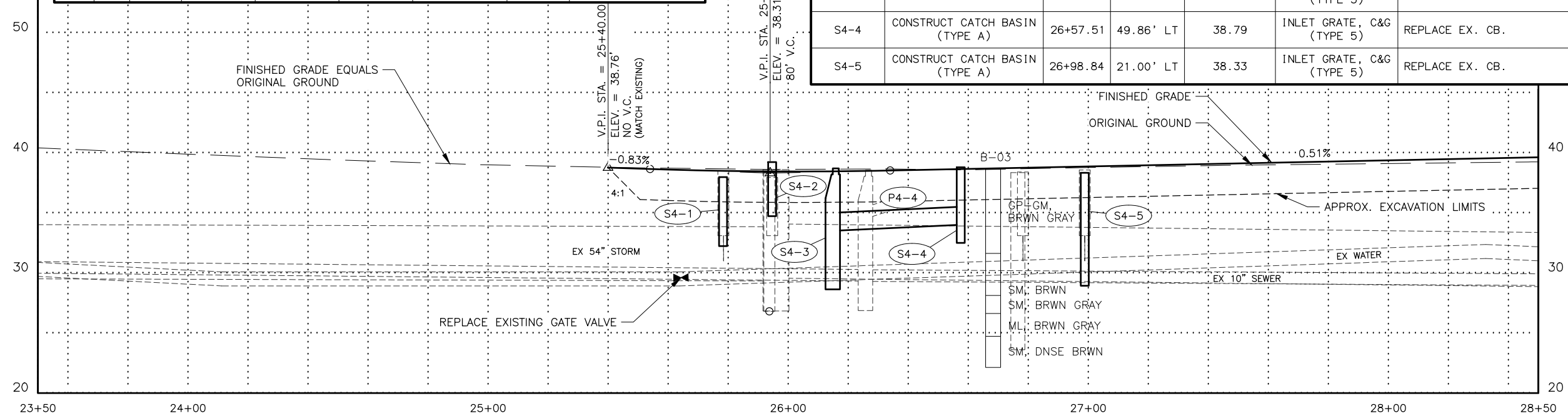
PLAN AND PROFILE
STA 18+50 TO STA 23+50





STORM PIPE SUMMARY								
PIPE	SIZE (IN)	LENGTH (FT)	INLET STRUCTURE	INLET INVERT ELEV. (FT)	OUTLET STRUCTURE	OUTLET INVERT ELEV. (FT)	% GRADE	REMARKS
P4-1	18	4.0	S4-1	34.73		M.E.	M.E.	CONNECT TO EX. CMP
P4-2	18	4.0	S4-2	37.22		M.E.	M.E.	CONNECT TO EX. CMP
P4-3	18	52.0	EXIST. MH	32.20	S4-3	31.13	2.06%	
P4-4	18	42.6	S4-4	34.00	S4-3	33.50	1.17%	
P4-5	18	4.0	S4-5	34.04		M.E.	M.E.	CONNECT TO EX. CMP

STORM STRUCTURE SUMMARY						
STRUCTURE	TYPE	STATION	OFFSET	TOP OF CASTING ELEV.	TYPE OF CASTING	REMARKS
S4-1	CONSTRUCT CATCH BASIN (TYPE A)	25+78.32	21.00' LT	37.97	INLET GRATE, C&G (TYPE 5)	REPLACE EX. CB.
S4-2	CONSTRUCT CATCH BASIN (TYPE A)	25+94.69	21.00' RT	39.22	INLET GRATE, C&G (TYPE 5)	REPLACE EX. CB.
S4-3	CONSTRUCT TYPE II MANHOLE	26+14.86	50.48' LT	38.70	SOLID LID AND INLET GRATE. C&G (TYPE 5)	
S4-4	CONSTRUCT CATCH BASIN (TYPE A)	26+57.51	49.86' LT	38.79	INLET GRATE, C&G (TYPE 5)	REPLACE EX. CB.
S4-5	CONSTRUCT CATCH BASIN (TYPE A)	26+98.84	21.00' LT	38.33	INLET GRATE, C&G (TYPE 5)	REPLACE EX. CB.



SHEET NO.		TOTAL SHEETS	
F5		F8	
STATE		YEAR	
ALASKA		2020	
PROJECT DESIGNATION			
19-310-110			
NO.	REVISION		
DATE			
NO.	REVISION		
DATE			
NO.	REVISION		
DATE			
3/27/20 PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 ARCTIC BLVD, SUITE 400 ANCHORAGE, AK 99503 CERT. OF AUTH. NO. AECL 1102 			
CITY OF VALDEZ PAVEMENT MANAGEMENT WEST EGAN DRIVE PLAN AND PROFILE STA 28+50 TO STA 33+60			

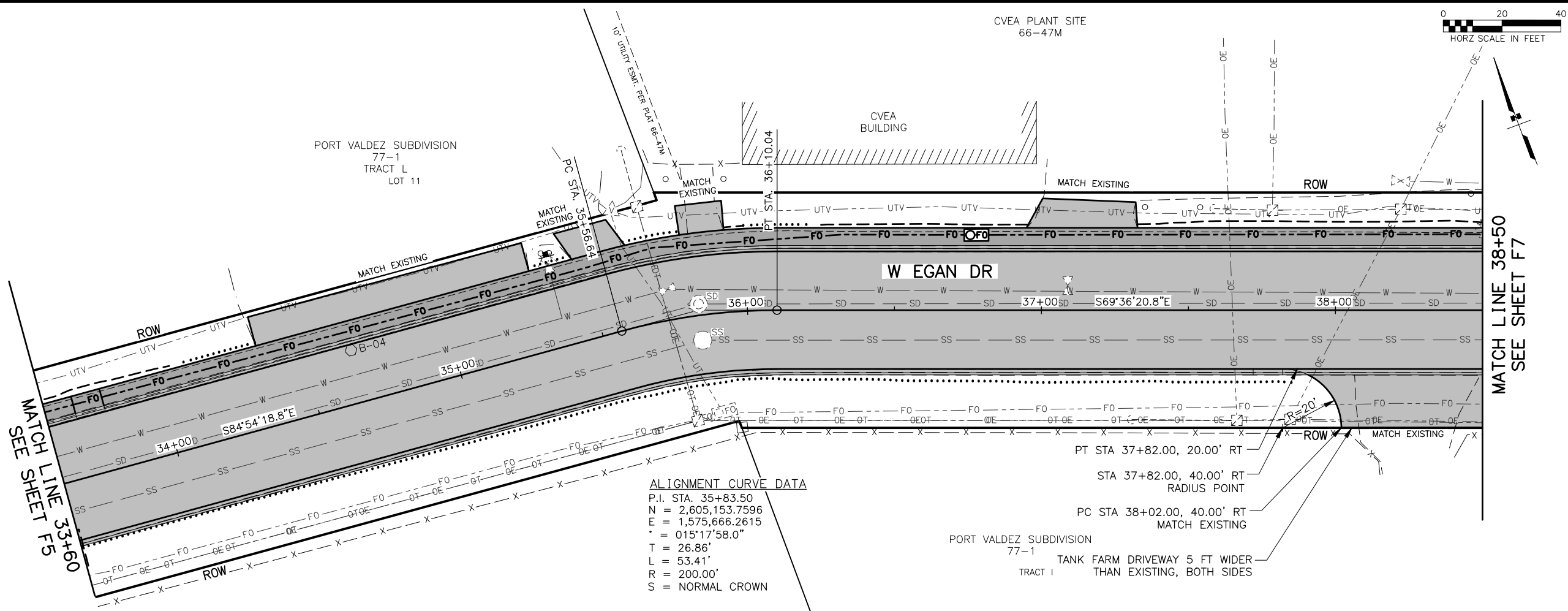
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DATE/TIME 3/27/2020 12:00 PM LAYOUT F6

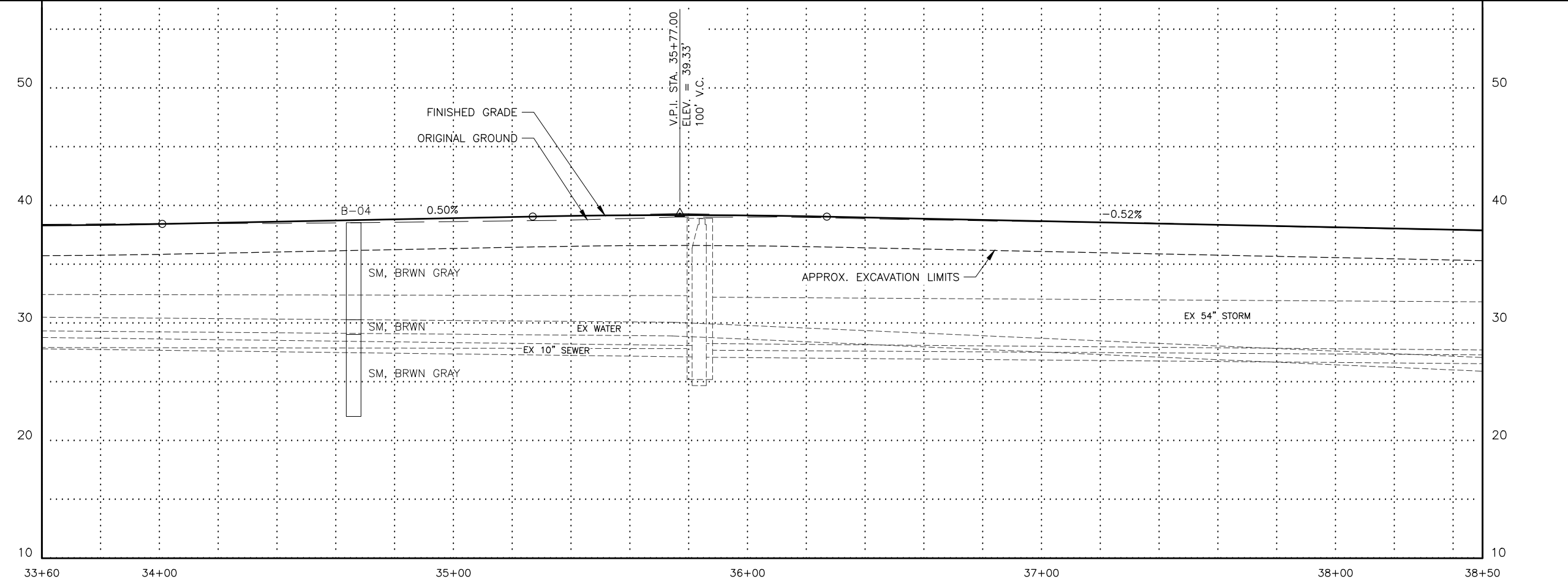
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DESIGNED



ALIGNMENT CURVE DATA
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E = 1,575,666.2615
• = 015°17'58.0"
T = 26.86'
L = 53.41'
R = 200.00'
S = NORMAL CROWN



SHEET NO.	TOTAL SHEETS
F6	F8
STATE	YEAR
ALASKA	2020
PROJECT DESIGNATION	
19-310-110	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

CITY OF VALDEZ, ALASKA
OPPORTUNITIES IN EVERY SEASON

STATE OF ALASKA
49th
Brian C. Lamson
REGISTERED PROFESSIONAL ENGINEER
CE 12817

3/27/20
PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, AK 99503
(907) 346-2373
CERT. OF AUTH. NO. AECL 1102

KINNEY
ENGINEERING, LLC

CITY OF VALDEZ
PAVEMENT MANAGEMENT
WEST EGAN DRIVE

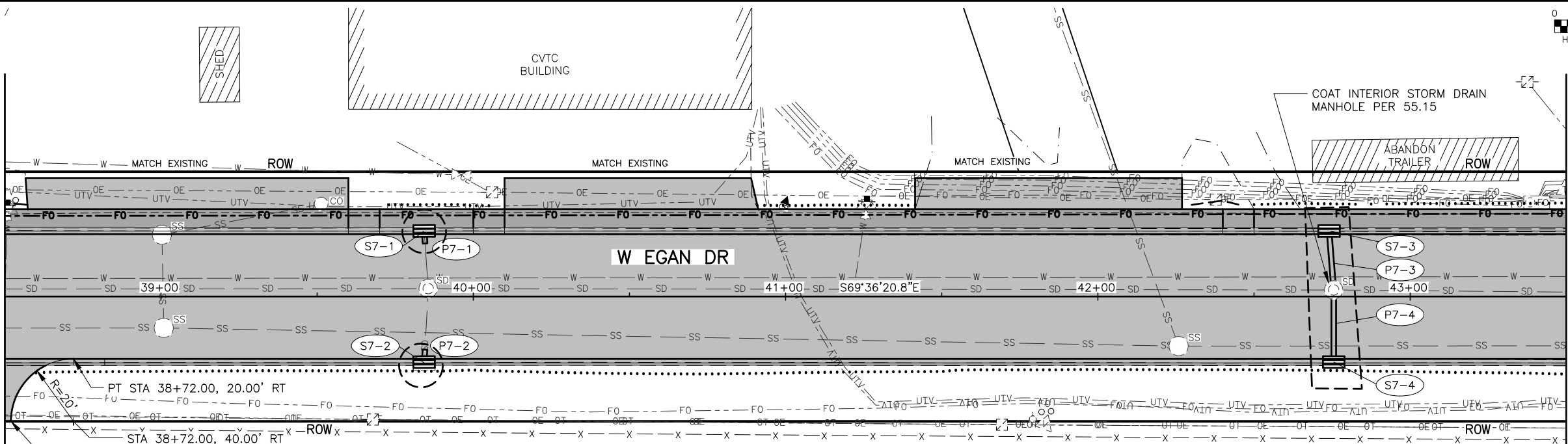
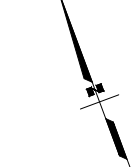
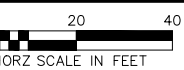
PLAN AND PROFILE
STA 33+60 TO STA 38+50

FILE I:\PROJECTS\00581 VALDEZ DESIGN SERVICES\DWGS\C-EG-SHEETS\581-EG-F1-F10.DWG

DATE/TIME 3/27/2020 12:00 PM LAYOUT F7

DESIGNED CHECKED DRAFTED

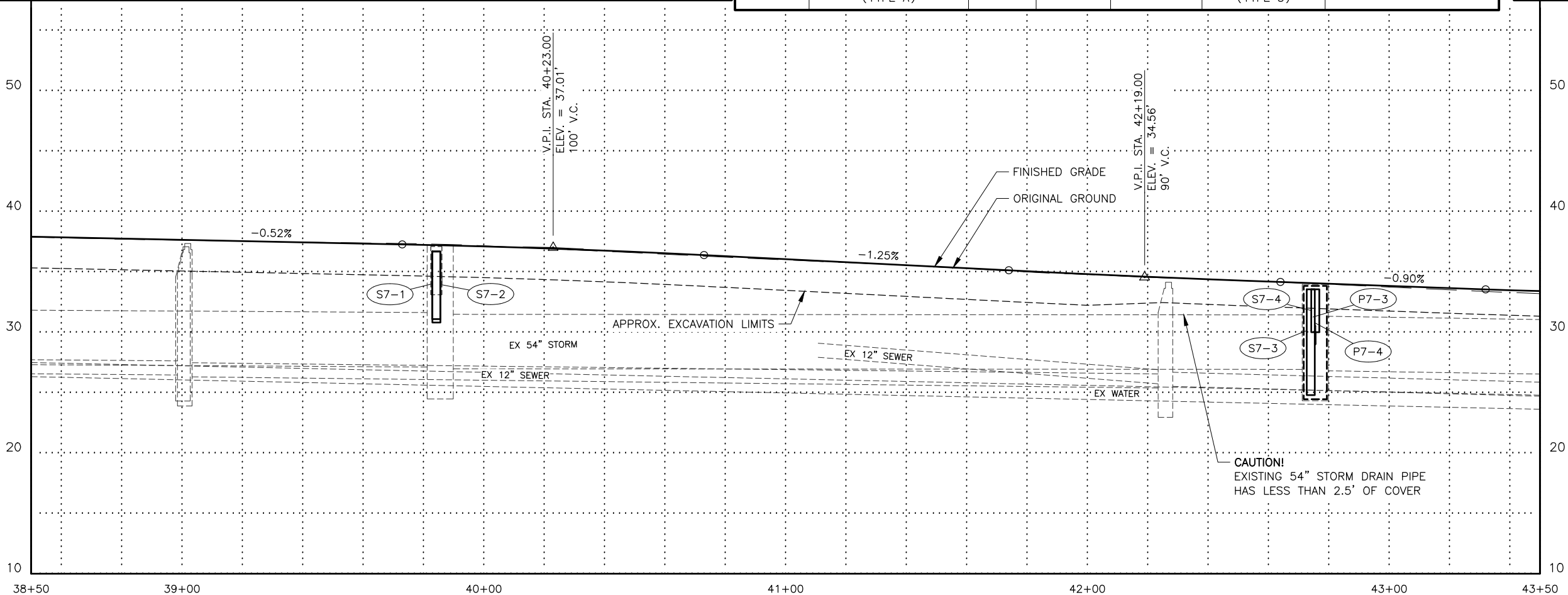
MATCH LINE 38+50
SEE SHEET F6



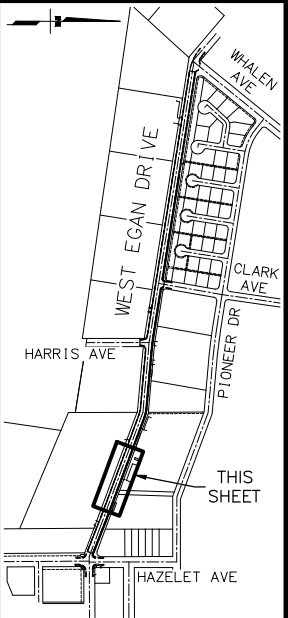
MATCH LINE 43+50
SEE SHEET F8

STORM PIPE SUMMARY								
PIPE	SIZE (IN)	LENGTH (FT)	INLET STRUCTURE	INLET INVERT ELEV. (FT)	OUTLET STRUCTURE	OUTLET INVERT ELEV. (FT)	% GRADE	REMARKS
P7-1	18	4.0	S7-1	33.30		M.E.	M.E.	CONNECT TO EX. CMP
P7-2	18	4.0	S7-2	33.58		M.E.	M.E.	CONNECT TO EX. CMP
P7-3	18	19.0	S7-3	30.00	EXIST. MH	29.00	5.27%	
P7-4	18	23.1	S7-4	30.00	EXIST. MH	29.00	4.33%	

STORM STRUCTURE SUMMARY						
STRUCTURE	TYPE	STATION	OFFSET	TOP OF CASTING ELEV.	TYPE OF CASTING	REMARKS
S7-1	CONSTRUCT CATCH BASIN (TYPE A)	39+84.29	21.00' LT	36.68	INLET GRATE, C&G (TYPE 5)	REPLACE EX. CB.
S7-2	CONSTRUCT CATCH BASIN (TYPE A)	39+84.25	21.00' RT	36.68	INLET GRATE, C&G (TYPE 5)	REPLACE EX. CB.
S7-3	CONSTRUCT CATCH BASIN (TYPE A)	42+74.05	21.00' LT	33.55	INLET GRATE, C&G (TYPE 5)	
S7-4	CONSTRUCT CATCH BASIN (TYPE A)	42+75.54	21.00' RT	33.55	INLET GRATE, C&G (TYPE 5)	



SHEET NO.	TOTAL SHEETS
F7	F8
STATE	YEAR
ALASKA	2020
PROJECT DESIGNATION	
19-310-110	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



3/27/20
PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, AK 99503
(907) 346-2373
CERT. OF AUTH. NO. AECL 1102
KINNEY
ENGINEERING, LLC
CITY OF VALDEZ
PAVEMENT MANAGEMENT
WEST EGAN DRIVE

PLAN AND PROFILE
STA 38+50 TO STA 43+50

FILE I:\PROJECTS\00581 VALDEZ DESIGN SERVICES\DWGS\C-EG-SHEETS\581-EG-F1-F10.DWG

DATE/TIME 3/27/2020 12:00 PM

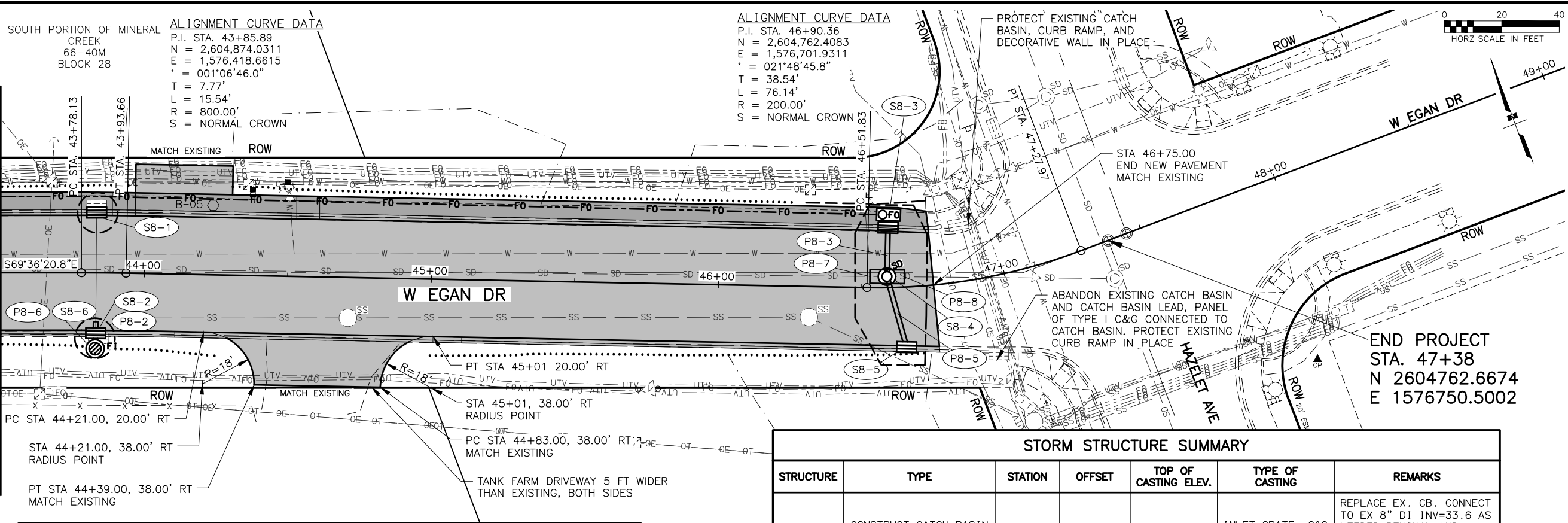
LAYOUT F8

DESIGNED

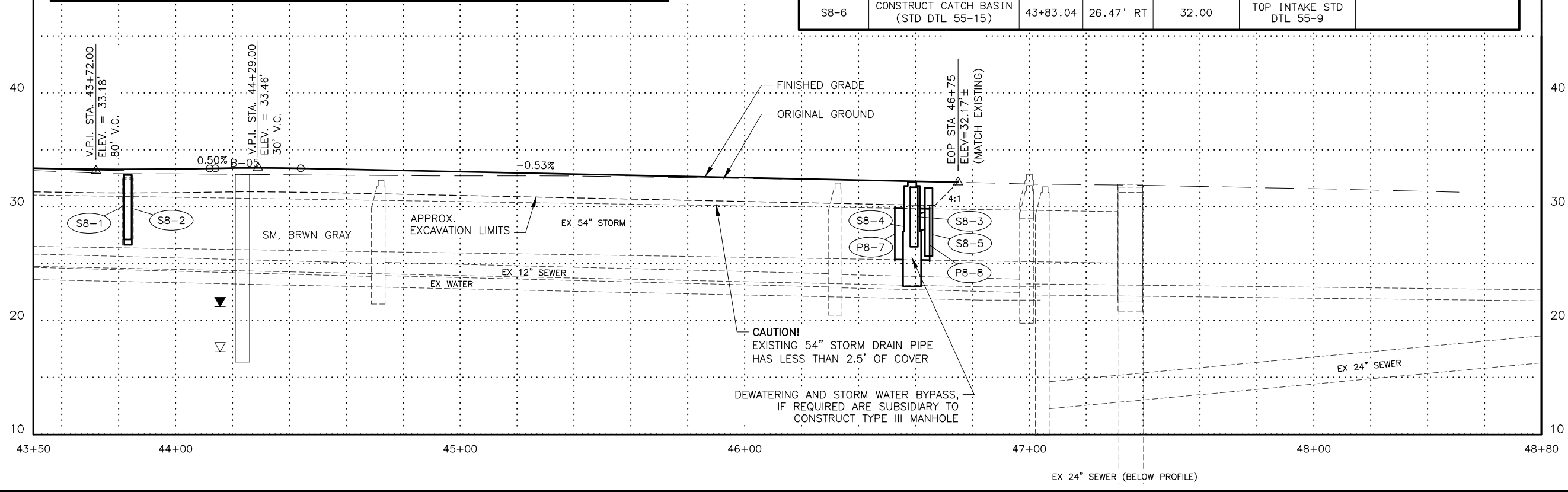
CHECKED

DRAFTED

MATCH LINE 43+50
SEE SHEET F7



STORM PIPE SUMMARY							
PIPE	SIZE (IN)	LENGTH (FT)	INLET STRUCTURE	INLET INVERT ELEV. (FT)	OUTLET STRUCTURE	OUTLET INVERT ELEV. (FT)	REMARKS
P8-2	18	4.0	S8-2	29.14		M.E.	CONNECT TO EX. CMP
P8-3	18	17.0	S8-3	28.20	S8-4	27.50	4.11%
P8-5	18	25.5	S8-5	28.17	S8-4	27.66	1.99%
P8-6	18	5.5	S8-6	29.40	S8-2	29.20	3.66%
P8-7	54	6.0		M.E.	S8-4	25.36	CONNECT TO EX. CMP
P8-8	54	6.0	S8-4	25.35		M.E.	CONNECT TO EX. CMP



SHEET NO. F8

TOTAL SHEETS F8

STATE ALASKA

YEAR 2020

PROJECT DESIGNATION 19-310-110

NO.

REVISION

DATE

NO.

REVISION

DATE

NO.

REVISION

DATE

WEST EGAN DRIVE
HARRIS AVE
CLARK AVE
PIONEER DR
HAZELET AVE
THIS SHEET

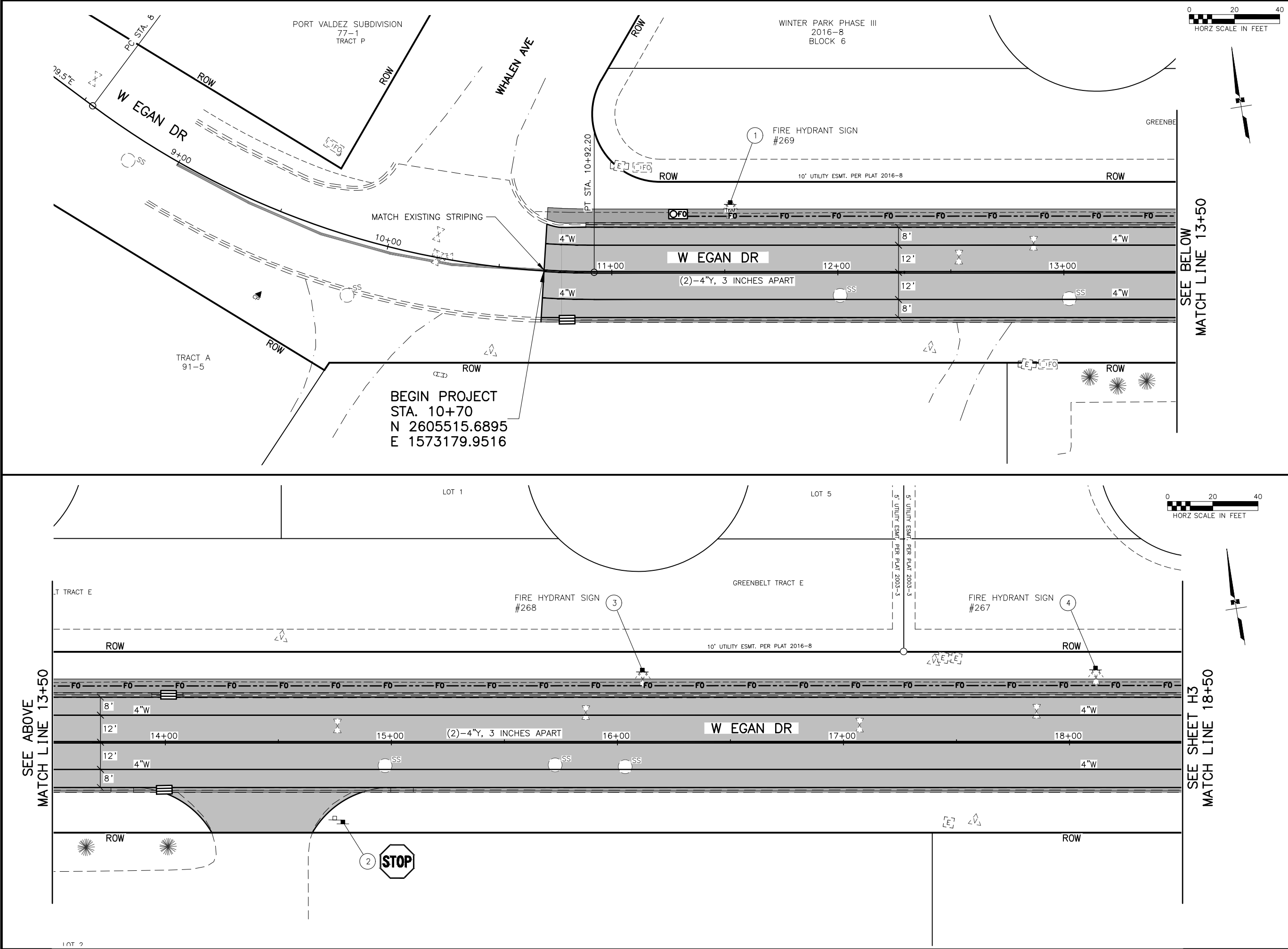
CITY OF VALDEZ, ALASKA
OPPORTUNITIES IN EVERY SEASON

3/27/20
PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, AK 99503
(907) 346-2373
CERT. OF AUTH. NO. AECL 1102
REGISTERED PROFESSIONAL ENGINEER
BRIAN C. LAMSON
CE 12817

CITY OF VALDEZ
PAVEMENT MANAGEMENT
WEST EGAN DRIVE

PLAN AND PROFILE
STA 43+50 TO EOP

FILE I:\PROJECTS\00581 VALDEZ DESIGN SERVICES\DWGS\C-EG-SHEETS\581-EG-H2_H5_SIGN-STRIPE-PLANS.DWG
DATE/TIME 3/27/2020 12:02 PM
DESIGNED H2
CHECKED
DRAFTED



SHEET NO.	TOTAL SHEETS
H2	H8
STATE	YEAR
ALASKA	2020
PROJECT DESIGNATION	
19-310-110	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

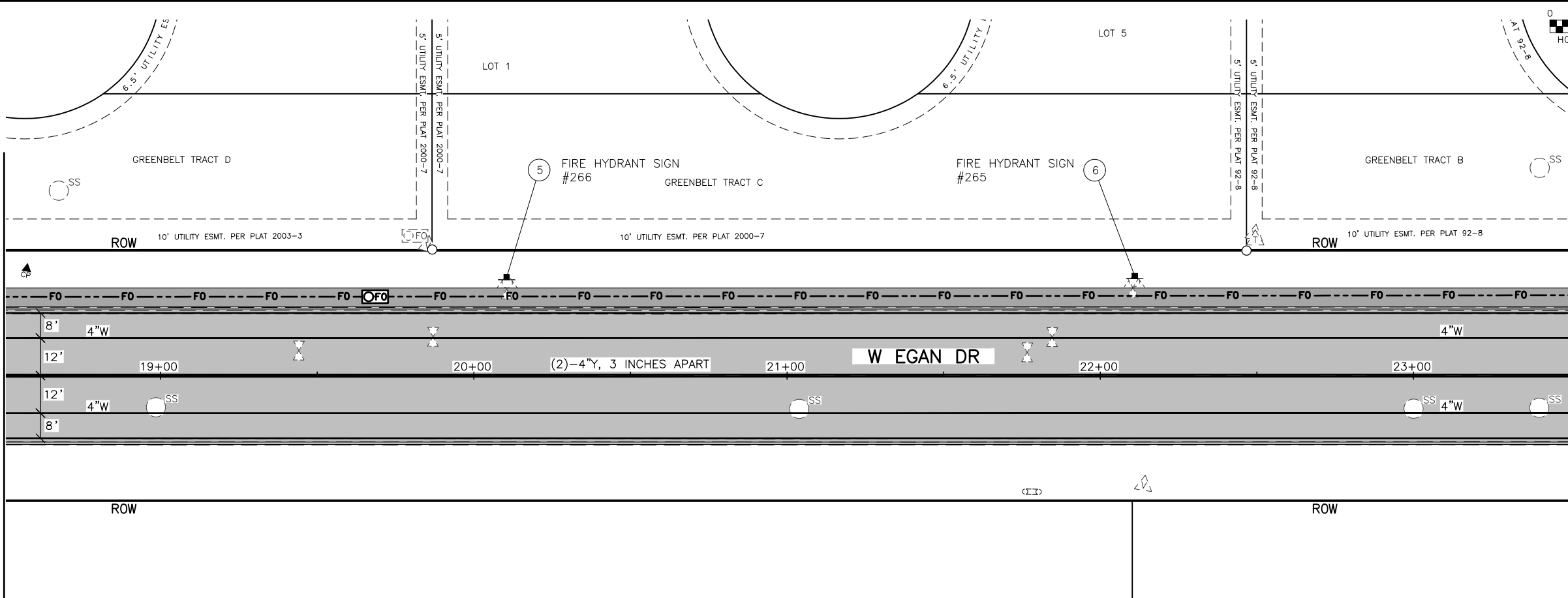
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3/27/20 PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, AK 99503
(907) 346-2373
CERT. OF AUTH. NO. AECL 1102

CITY OF VALDEZ
PAVEMENT MANAGEMENT
WEST EGAN DRIVE

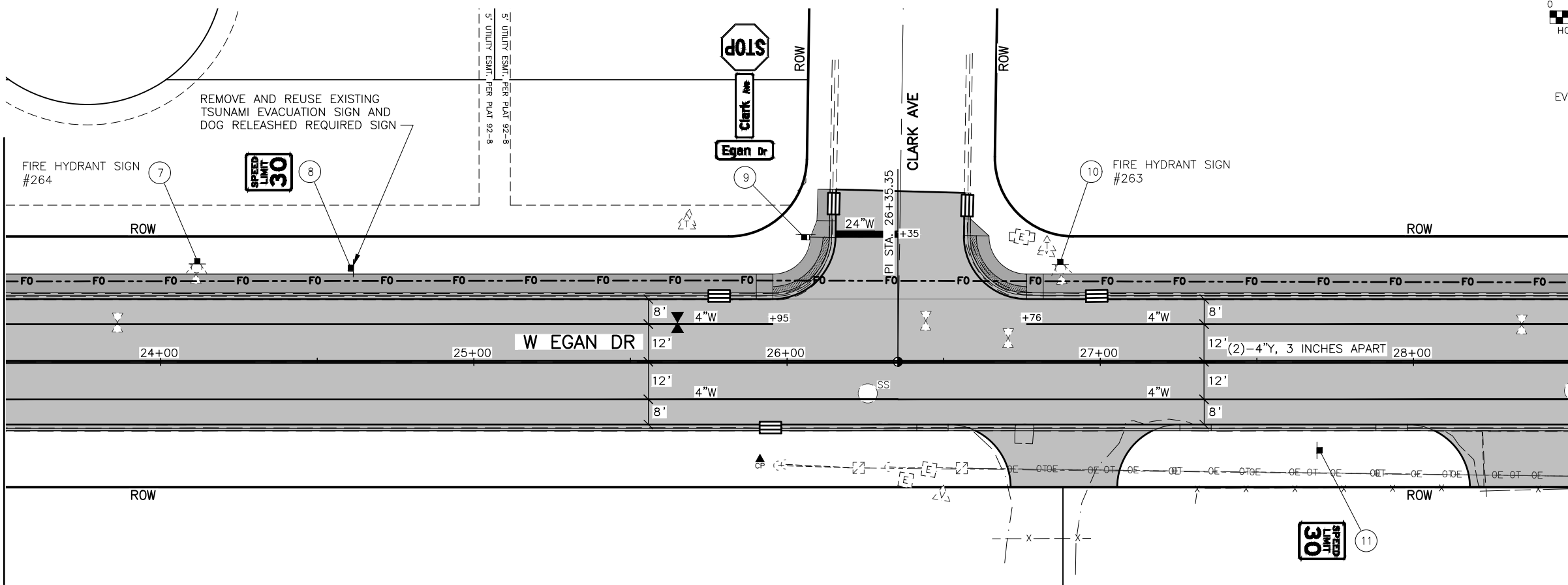
SIGNING AND STRIPING PLAN
BOP TO STA 18+50

SEE SHEET H2
MATCH LINE 18+50

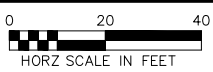


SEE BELOW
MATCH LINE 23+50

SEE ABOVE
MATCH LINE 23+50



SEE SHEET H4
MATCH LINE 28+50



SHEET NO.	H3	TOTAL SHEETS	H8
STATE	ALASKA	YEAR	2020
PROJECT DESIGNATION			
19-310-110			
NO.	REVISION		
DATE			
NO.	REVISION		
DATE			
NO.	REVISION		
DATE			

THIS SHEET

WEST EGAN DRIVE

HARRIS AVE

CLARK AVE

PIONEER DR

WHALEN AVE

HAZELET AVE

CITY OF VALDEZ, ALASKA

OPPORTUNITIES IN EVERY SEASON

STATE OF ALASKA

49TH

Brian C. Lamson

CE 12817

REGISTERED PROFESSIONAL ENGINEER

3/27/20

PLANS DEVELOPED BY:

KINNEY ENGINEERING, LLC

3909 ARCTIC BLVD, SUITE 400

ANCHORAGE, AK 99503

(907) 346-2373

CERT. OF AUTH. NO. AECL 1102

KINNEY

ENGINEERING, LLC

CITY OF VALDEZ

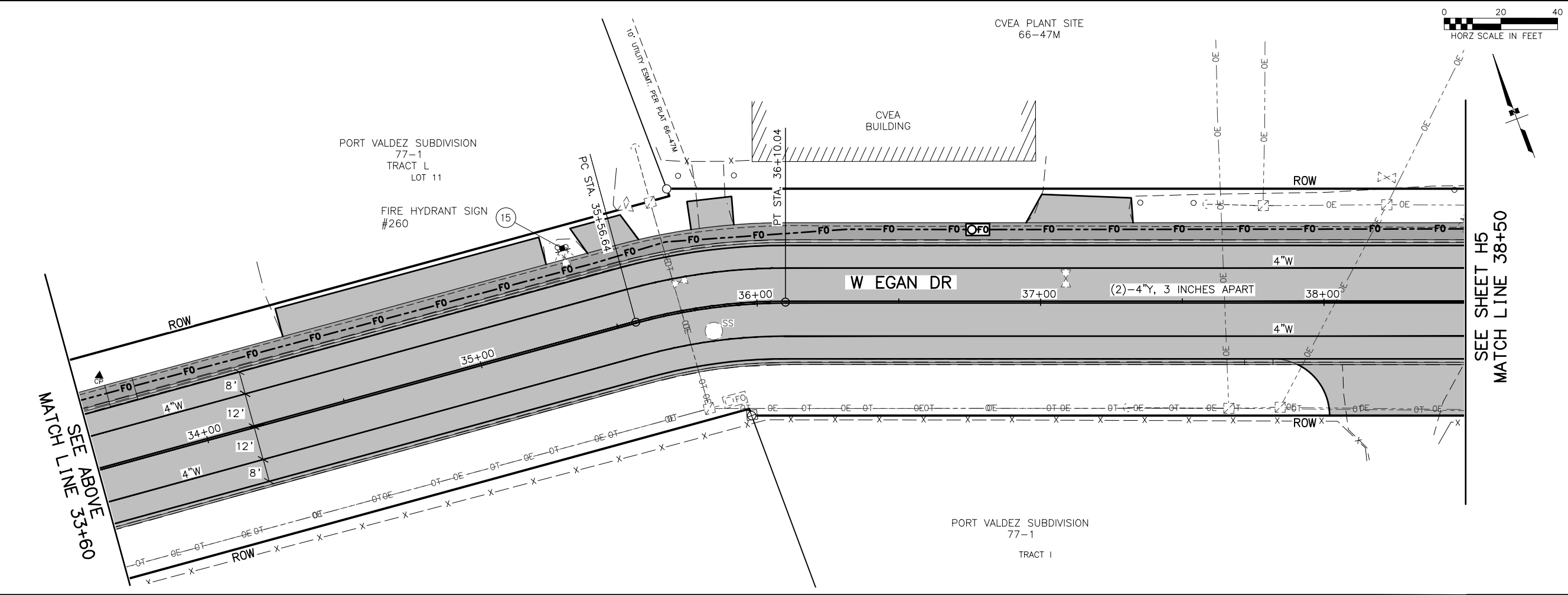
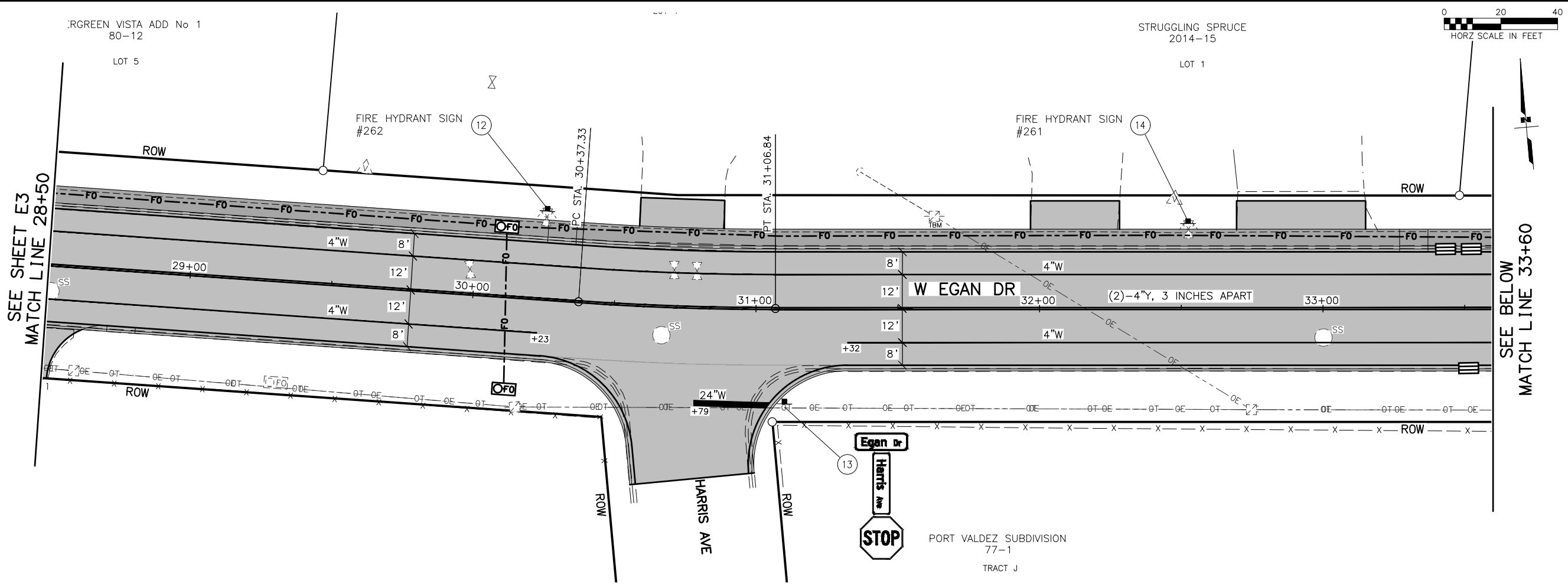
PAVEMENT MANAGEMENT

WEST EGAN DRIVE

SIGNING AND STRIPING PLAN

STA 18+50 TO STA 28+50

FILE Z:\PROJECTS\00581 VALDEZ DESIGN SERVICES\DWGS\C-EG-SHEETS\581-EG-H2_H5_SIGN-STRIP-PLANS.DWG DATE/TIME 3/27/2020 12:03 PM LAYOUT H4 DESIGNED CHECKED DRAFTED



SHEET NO.	TOTAL SHEETS
H4	H8
STATE	YEAR
ALASKA	2020
PROJECT DESIGNATION	
19-310-110	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

3/27/20 PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, AK 99503
(907) 346-2373
CERT. OF AUTH. NO. AECL 1102

KINNEY
ENGINEERING, LLC

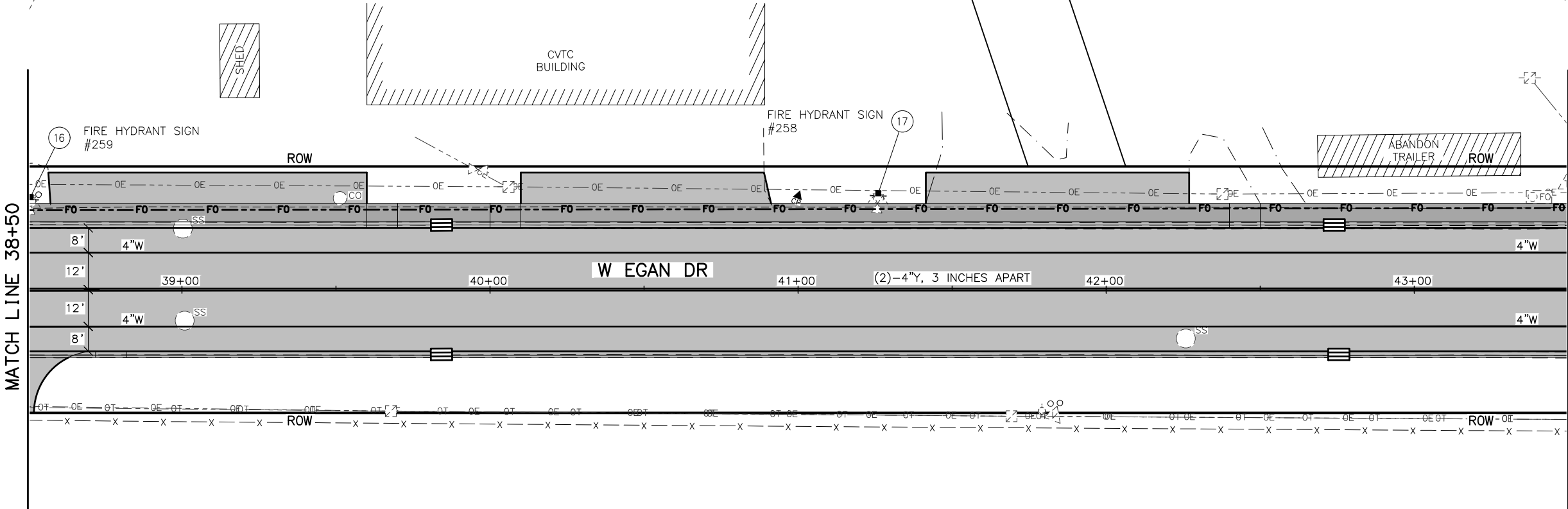
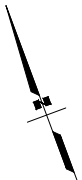
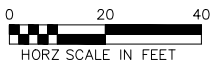
CITY OF VALDEZ
PAVEMENT MANAGEMENT
WEST EGAN DRIVE

SIGNING AND STRIPING PLAN
STA 28+50 TO STA 38+50

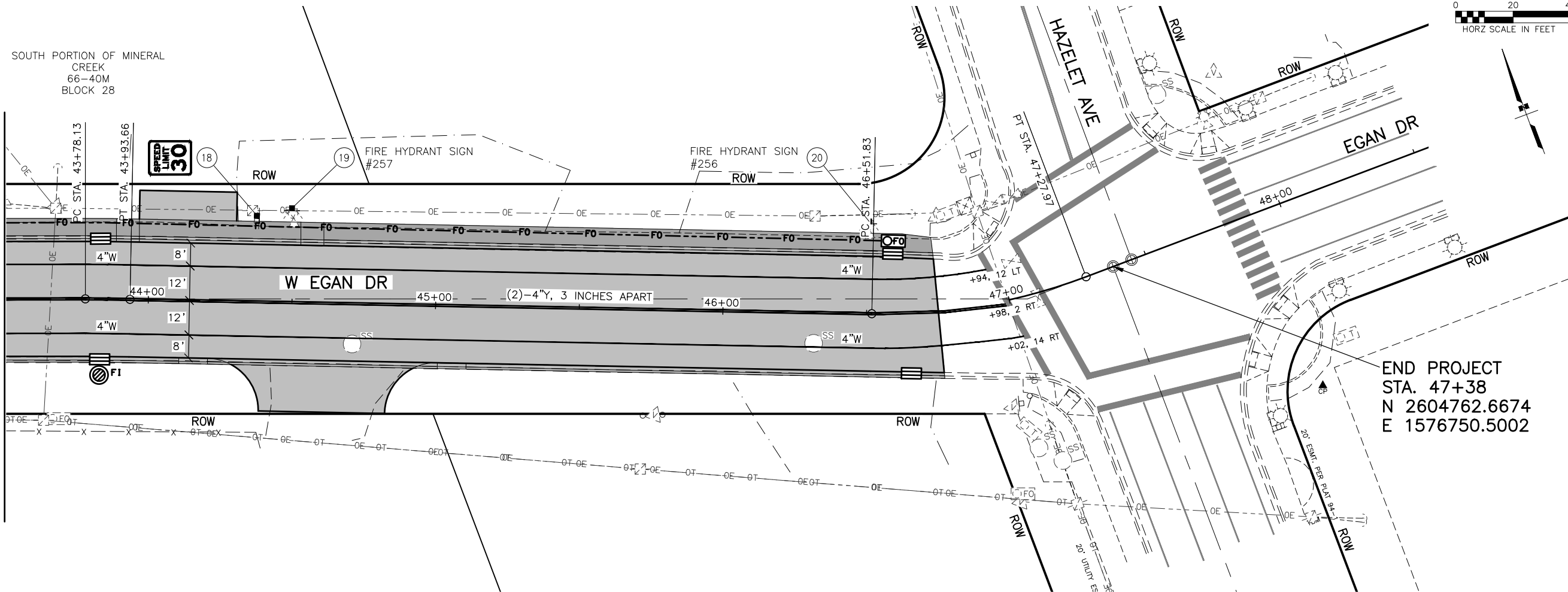
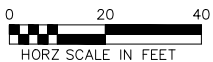
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SEE SHEET H4
MATCH LINE 38+50

SEE BELOW
MATCH LINE 43+50



SEE ABOVE
MATCH LINE 43+50

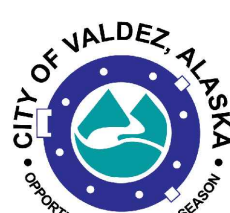
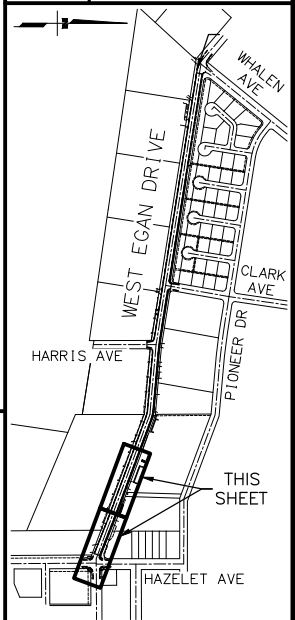


END PROJECT
STA. 47+38
N 2604762.6674
E 1576750.5002

SHEET NO.	TOTAL SHEETS
H5	H8
STATE	YEAR
ALASKA	2020

PROJECT DESIGNATION
19-310-110

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



3/27/20 PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, AK 99503
(907) 346-2373
CERT. OF AUTH. NO. AECL 1102
KINNEY
ENGINEERING, LLC
CITY OF VALDEZ
PAVEMENT MANAGEMENT
WEST EGAN DRIVE

SIGNING AND STRIPING PLAN
STA 38+50 TO EOP

FILE Z:\PROJECTS\00581 VALDEZ DESIGN SERVICES\DWGS\C-EG\SHEETS\581-EG-H6_SIGN SUMMARY.DWG

DRAFTED

CHECKED

DESIGNED

H6

LAYOUT

3/27/2020 12:04 PM

DATE/TIME

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	19-310-110	2020	H6	H8

SIGN SUMMARY													
SHEET NO.	SIGN NO.	LOCATION		TYPE	LEGEND	SIZE (FT)		AREA SQ FT	SIGN FACES	POSTS	THICKNESS (in)		REMARKS
		STATION	OFFSET			NO., SIZE, & TYPE	FRAMED						
							YES			NO			
H2	1	11+52	LT	DETAIL 70-32	FIRE HYDRANT PICTURE	1.50	1.00	1.50	S	1- 2.5" PT		0.125	HYDRANT #269
H2	2	14+79	RT	R1-1	STOP	2.50	2.50	6.25	S	1- 2.5" PT		0.125	
H2	3	16+11	LT	DETAIL 70-32	FIRE HYDRANT PICTURE	1.50	1.00	1.50	S	1- 2.5" PT		0.125	HYDRANT #268
H2	4	18+11	LT	DETAIL 70-32	FIRE HYDRANT PICTURE	1.50	1.00	1.50	S	1- 2.5" PT		0.125	HYDRANT #267
H3	5	20+10	LT	DETAIL 70-32	FIRE HYDRANT PICTURE	1.50	1.00	1.50	S	1- 2.5" PT		0.125	HYDRANT #266
H3	6	22+11	LT	DETAIL 70-32	FIRE HYDRANT PICTURE	1.50	1.00	1.50	S	1- 2.5" PT		0.125	HYDRANT #265
H3	7	24+12	LT	DETAIL 70-32	FIRE HYDRANT PICTURE	1.50	1.00	1.50	S	1- 2.5" PT		0.125	HYDRANT #264
H3	8	24+61	LT	R2-1	SPEED LIMIT 30	2.00	2.50	5.00	E	1- 2.5" PT		0.125	
				RG-110	LEASH REQ'D PER CITY CODE			E				REUSE EXISTING PANEL	
				EM-1a	TSUNAMI EVACUATION ROUTE			W				REUSE EXISTING PANEL INSTALL ON BACK OF NEW POST	
H3	9	26+05	LT	D3-100	EGAN DR	2.00	0.67	1.33	N/S	1- 2.5" PT		0.125	DOUBLE SIDED
				D3-100	CLARK AVE	3.50	1.00	7.00	E/W		0.125		MOUNT TWO SIGNS BACK TO BACK
				R1-1	STOP	2.50	2.50	6.25	N			0.125	
H3	10	26+87	LT	DETAIL 70-32	FIRE HYDRANT PICTURE	1.50	1.00	1.50	S	1- 2.5" PT		0.125	HYDRANT #263
H3	11	27+70	RT	R2-1	SPEED LIMIT 30	2.00	2.50	5.00	W	1- 2.5" PT		0.125	
H4	12	30+24	LT	DETAIL 70-32	FIRE HYDRANT PICTURE	1.50	1.00	1.50	S	1- 2.5" PT		0.125	HYDRANT #262
H4	13	31+10	RT	D3-100	EGAN DR	2.00	0.67	1.33	N/S	1- 2.5" PT		0.125	DOUBLE SIDED
				D3-100	HARRIS AVE	3.50	1.00	7.00	E/W		0.125		MOUNT TWO SIGNS BACK TO BACK
				R1-1	STOP	2.50	2.50	6.25	S			0.125	
H4	14	32+52	LT	DETAIL 70-32	FIRE HYDRANT PICTURE	1.50	1.00	1.50	S	1- 2.5" PT		0.125	HYDRANT #261
H4	15	35+38	LT	DETAIL 70-32	FIRE HYDRANT PICTURE	1.50	1.00	1.50	S	1- 2.5" PT		0.125	HYDRANT #260
H5	16	38+51	LT	DETAIL 70-32	FIRE HYDRANT PICTURE	1.50	1.00	1.50	S	1- 2.5" PT		0.125	HYDRANT #259
H5	17	41+26	LT	DETAIL 70-32	FIRE HYDRANT PICTURE	1.50	1.00	1.50	S	1- 2.5" PT		0.125	HYDRANT #258
H5	18	44+37	LT	R2-1	SPEED LIMIT 30	2.00	2.50	5.00	E	1- 2.5" PT		0.125	
H5	19	44+49	LT	DETAIL 70-32	FIRE HYDRANT PICTURE	1.50	1.00	1.50	S	1- 2.5" PT		0.125	HYDRANT #257
H5	20	46+50	LT	DETAIL 70-32	FIRE HYDRANT PICTURE	1.50	1.00	1.50	S	1- 2.5" PT		0.125	HYDRANT #256
TOTAL SIGN AREA:								71.41	SF				



3/27/20

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, AK 99503
(907) 346-2373

KINNEY
ENGINEERING, LLC
CERT. OF AUTH. NO. AECL 1102

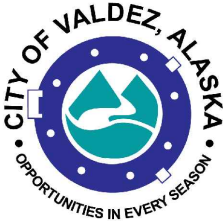
CITY OF VALDEZ
PAVEMENT MANAGEMENT PHASE 1
WEST EGAN DRIVE

SIGN SUMMARY

FILE | Z:\PROJECTS\00581 VALDEZ DESIGN SERVICES\DWGS\C-EG\SHEETS\581-EG-H6_SIGN SUMMARY.DWG | DATE/TIME 3/27/2020 12:04 PM | LAYOUT | H7 | DESIGNED | CHECKED | DRAFTED

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	19-310-110	2020	H7	H8

REMOVE AND RELOCATE/SALVAGE EXISTING SIGNS						
SHEET NO.	SIGN NO.	LOCATION		TYPE	LEGEND	REMARKS
		STATION	OFFSET			
H2	1	11+52	LT	DETAIL 70-32	FIRE HYDRANT PICTURE	HYDRANT #269, REMOVE AND SALVAGE SIGN
H2	2	14+79	RT	R1-1	STOP	REMOVE AND SALVAGE SIGN
H2	3	16+11	LT	DETAIL 70-32	FIRE HYDRANT PICTURE	HYDRANT #268, REMOVE AND SALVAGE SIGN
H2	4	18+11	LT	DETAIL 70-32	FIRE HYDRANT PICTURE	HYDRANT #267, REMOVE AND SALVAGE SIGN
H3	5	20+10	LT	DETAIL 70-32	FIRE HYDRANT PICTURE	HYDRANT #266, REMOVE AND SALVAGE SIGN
H3	6	22+11	LT	DETAIL 70-32	FIRE HYDRANT PICTURE	HYDRANT #265, REMOVE AND SALVAGE SIGN
H3	7	24+12	LT	DETAIL 70-32	FIRE HYDRANT PICTURE	HYDRANT #264, REMOVE AND SALVAGE SIGN
H3	8	24+61	LT	R2-1	SPEED LIMIT 30	REMOVE AND SALVAGE SIGN
				RG-110	LEASH REQUIRED PER CITY CODE	REMOVE AND REUSE PANEL
				EM-1a	TSUNAMI EVACUATION ROUTE	REMOVE AND REUSE PANEL
H3	9	26+05	LT	D3-100	EGAN DR	REMOVE AND SALVAGE SIGN
				D3-100	CLARK AVE	REMOVE AND SALVAGE SIGN
				R1-1	STOP	REMOVE AND SALVAGE SIGN
H3	10	26+87	LT	DETAIL 70-32	FIRE HYDRANT PICTURE	HYDRANT #263, REMOVE AND SALVAGE SIGN
H4	11	30+24	LT	DETAIL 70-32	FIRE HYDRANT PICTURE	HYDRANT #262, REMOVE AND SALVAGE SIGN
H4	12	31+10	RT	D3-100	EGAN DR	REMOVE AND SALVAGE SIGN
				D3-100	HARRIS AVE	REMOVE AND SALVAGE SIGN
				R1-1	STOP	REMOVE AND SALVAGE SIGN
H4	13	32+52	LT	DETAIL 70-32	FIRE HYDRANT PICTURE	HYDRANT #261, REMOVE AND SALVAGE SIGN
H4	14	35+38	LT	DETAIL 70-32	FIRE HYDRANT PICTURE	HYDRANT #260, REMOVE AND SALVAGE SIGN
H5	15	38+51	LT	DETAIL 70-32	FIRE HYDRANT PICTURE	HYDRANT #259, REMOVE AND SALVAGE SIGN
H5	16	41+26	LT	DETAIL 70-32	FIRE HYDRANT PICTURE	HYDRANT #258, REMOVE AND SALVAGE SIGN
H5	17	44+37	LT	R2-1	SPEED LIMIT 30	REMOVE AND SALVAGE SIGN
H5	18	44+49	LT	DETAIL 70-32	FIRE HYDRANT PICTURE	HYDRANT #257, REMOVE AND SALVAGE SIGN
H5	19	46+50	LT	DETAIL 70-32	FIRE HYDRANT PICTURE	HYDRANT #256, REMOVE AND SALVAGE SIGN
TOTAL NUMBER OF SIGNS TO REMOVE AND RELOCATE/SALVAGE:					19	



3/27/20

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3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, AK 99503
(907) 346-2373

KINNEY
ENGINEERING, LLC
CERT. OF AUTH. NO. AECL 1102

CITY OF VALDEZ
PAVEMENT MANAGEMENT PHASE 1
WEST EGAN DRIVE

SIGN SUMMARY

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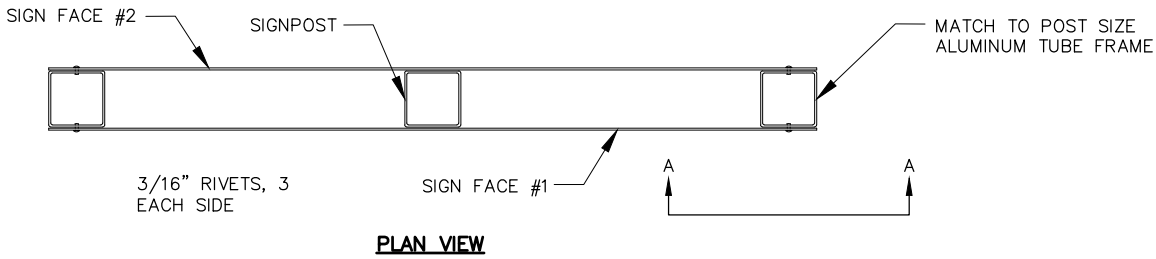
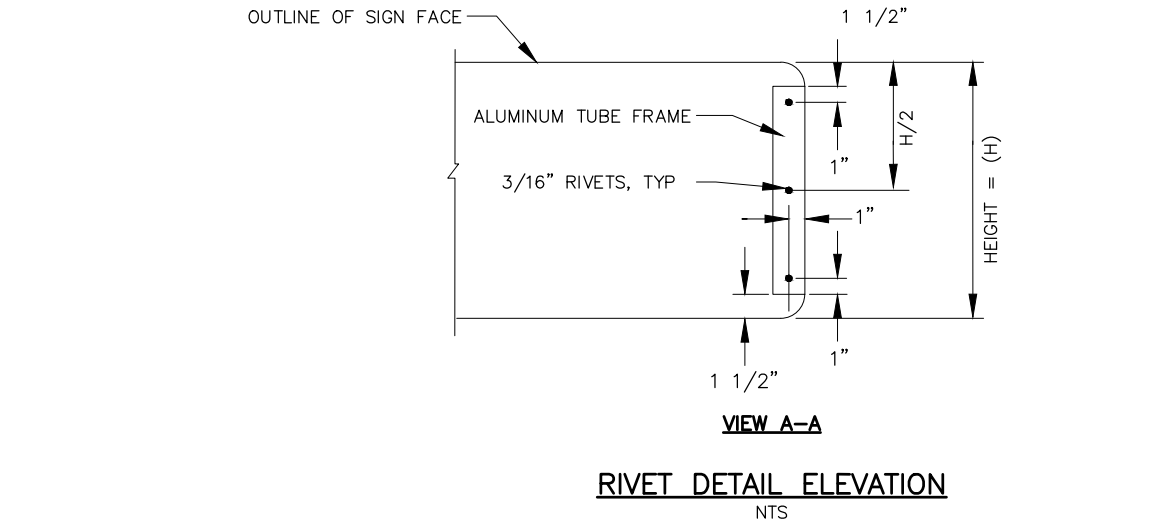
DESIGNED

H8

LAYOUT

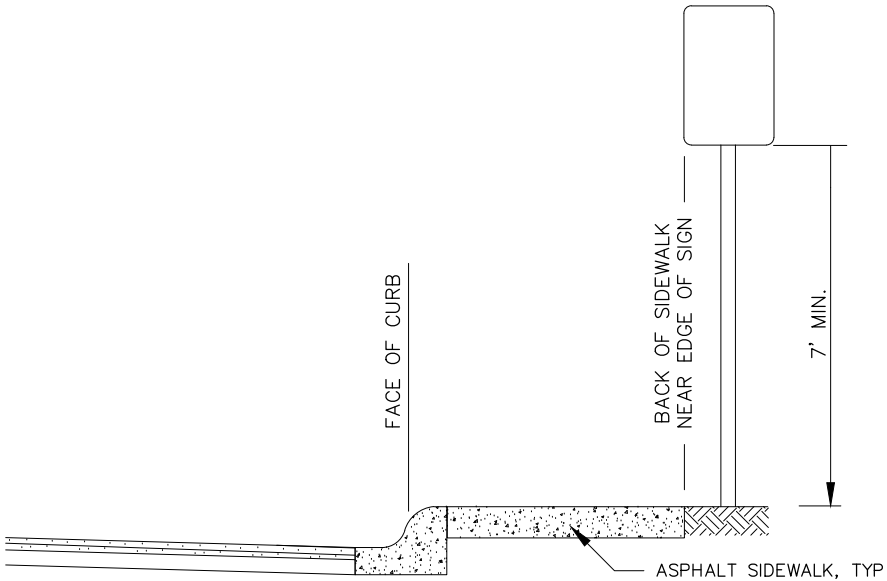
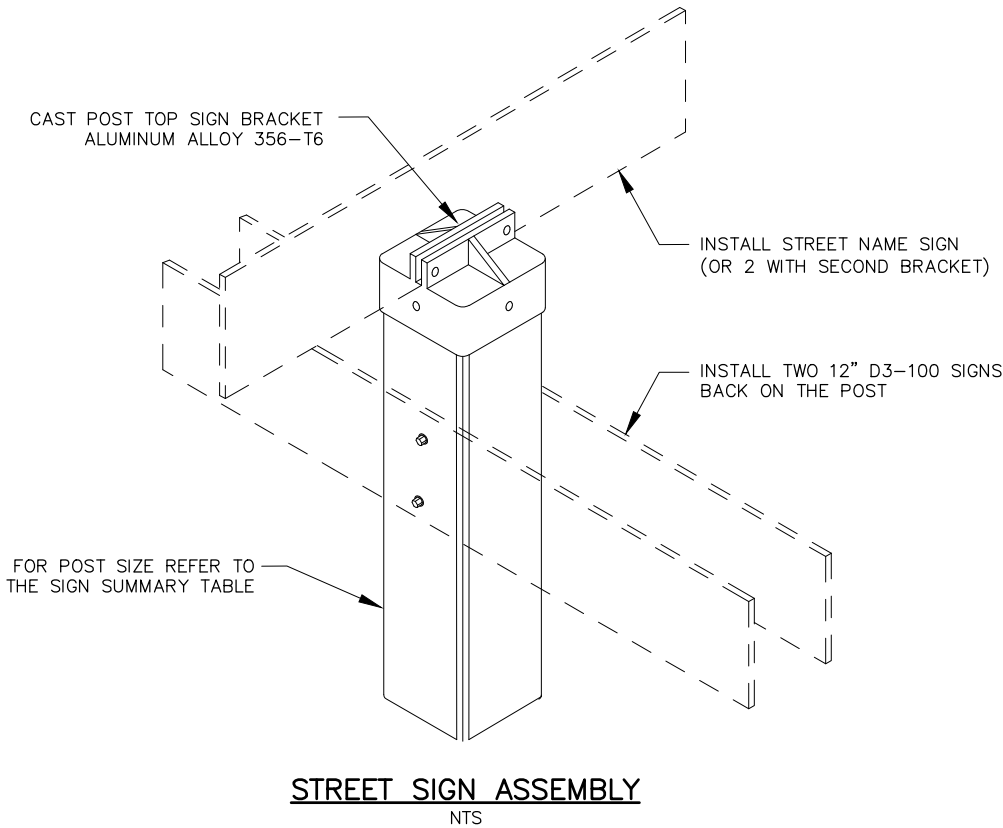
DATE/TIME 3/27/2020 12:04 PM

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	19-310-110	2020	H8	H8



12" SIGNS/PLATES 36" OR GREATER IN LENGTH BRACING DETAIL

NTS



NOTE:
SIGN FACE SHALL BE PLACED OUTSIDE SIDEWALK EXCEPT WHEN ROW LIMITATIONS EXIST. FOR EXAMPLE IN THE CENTRAL BUSINESS DISTRICT OR OTHER SIMILAR DISTRICTS.



3/27/20

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, AK 99503
(907) 346-2373



CERT. OF AUTH. NO. AECL 1102

CITY OF VALDEZ
PAVEMENT MANAGEMENT PHASE 1
WEST EGAN DRIVE

SIGN DETAILS

FILE I:\PROJECTS\00581 VALDEZ DESIGN SERVICES\DWGS\C-EG\SHEETS\581-EG-J1_TCP.DWG

DRAFTED

CHECKED

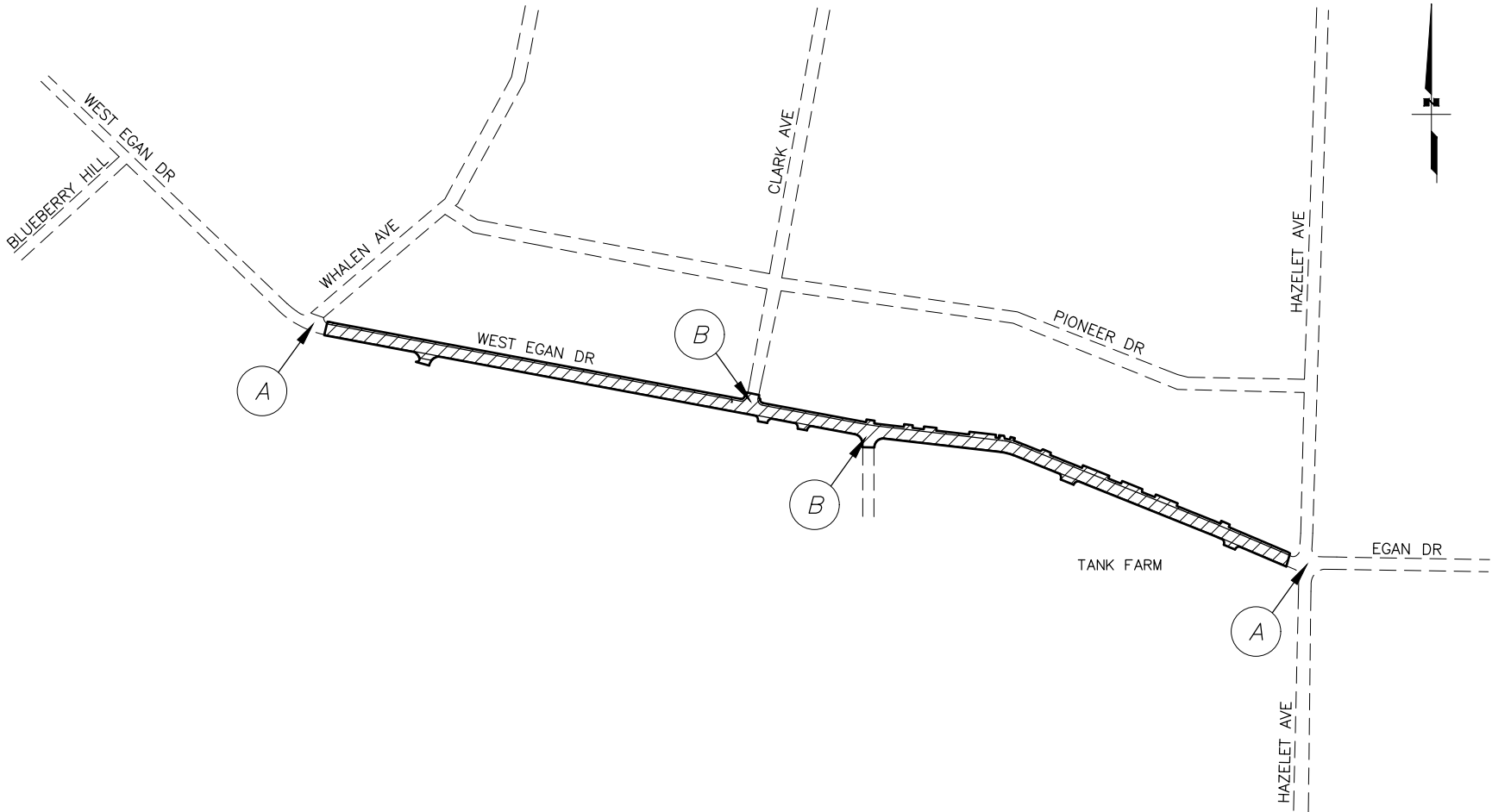
DESIGNED

J1

LAYOUT

DATE/TIME 3/27/2020 12:05 PM

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	19-310-110	2020	J1	J4



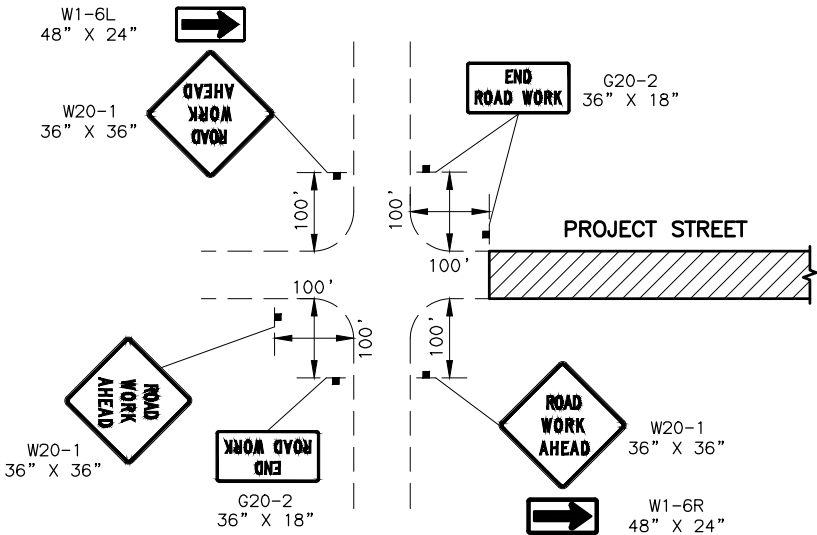
TRAFFIC MAINTENANCE NOTES:

- SUBMIT A DETAILED TRAFFIC CONTROL PLAN (TCP) TO THE COV FOR REVIEW. THE TCP MUST RECEIVE APPROVAL FROM THE COV BEFORE STARTING ANY WORK. SEE SECTION 10.04, SCOPE OF WORK, AND SECTION 70.15, TRAFFIC MAINTENANCE, FOR TRAFFIC CONTROL REQUIREMENTS.
- FULL CLOSURES WILL ONLY BE ALLOWED WHEN PARTIAL WIDTH CONSTRUCTION IS NOT PRACTICAL. A DETAIL OF A FULL CLOSURE IS PROVIDED FOR CONSTRUCTION OF A STORM DRAIN MANHOLE NEAR THE INTERSECTION OF HAZELET AVE AND W EGAN DR.
- CONSTRUCTION PHASING SHALL ALLOW ACCESS TO AT LEAST ONE OF THE TANK FARM DRIVEWAYS AT ALL TIMES.
- FLAGGERS ARE REQUIRED WHEN TRAFFIC IS REDUCED TO ONE LANE.
- PROVIDE, INSTALL, MAINTAIN, MOVE, AND REMOVE THE SPECIFIED TRAFFIC CONTROL DEVICES AND ACCESS ACCORDING TO COV STANDARDS, CURRENT ALASKA TRAFFIC MANUAL, ALASKA SIGN DESIGN SPECIFICATION, AND APPROVED TRAFFIC CONTROL PLAN (TCP) SETUPS.
- MOUNT SIGNS SECURELY. MAINTAIN WORK SITE AND AFFECTED AREAS DAILY.
- THE FINAL JUDGEMENT IN THE SELECTION, NUMBER, AND APPLICATION OF THE TRAFFIC CONTROL DEVICES AND LOCATION OF ALL TRAFFIC CONTROL MEASURES WILL REST WITH THE ENGINEER.
- COVER EXISTING SIGNS WHICH CONFLICT WITH CONSTRUCTION SIGNING.
- CONSTRUCTION SIGNING SPECIFIED MAY BE ALTERED BY THE ENGINEER TO MEET CHANGING CONDITIONS AND TO PROTECT THE TRAVELING PUBLIC.
- TYPE 'A' FLASHING WARNING LIGHTS SHALL BE USED IN CONJUNCTION WITH TYPE III BARRICADES, ROAD CLOSURE SIGNS, ADVANCE DETOUR SIGNING, AND THE FIRST TYPE II BARRICADE ENCOUNTERED BY TRAFFIC WHEN USED FOR CHANNELIZING. TYPE 'C' STEADY BURN WARNING LIGHTS SHALL BE USED IN CONJUNCTION WITH REMAINING TYPE II BARRICADES USED FOR CHANNELIZING.
- ALL CONSTRUCTION SIGNS SHALL HAVE HIGH LEVEL WARNING DEVICES (FLAGS) ATTACHED.
- WORK ZONES MAY OVERLAP DURING CONSTRUCTION UPON APPROVAL BY THE ENGINEER.
- INTEGRATE TRAFFIC CONTROL WITH OTHER CONSTRUCTION IN THE AREA.
- DETAILS NOT SHOWN, BUT NECESSARY TO IMPLEMENT THE TRAFFIC CONTROL PLAN SHALL COMPLY WITH THE ALASKA TRAFFIC MANUAL AND MUTCD.
- ALL SPECIAL SIGNS SHALL BE BLACK ON ORANGE BACKGROUND WITH BORDERS HAVING 1.5" RADIUS AND 0.75" THICKNESS.
- MAINTAIN PEDESTRIAN ACCESS.
- PEDESTRIAN FENCE SHALL HAVE R9-9 (SIDEWALK CLOSED) SIGNS MOUNTED AT BOTH ENDS OF THE WORK ZONE AND AT EVERY LOCATION PEDESTRIANS ARE LIKELY TO ENCOUNTER THE CLOSED PATHWAY.
- INSTALL PEDESTRIAN FENCING AROUND OPEN EXCAVATIONS WHEN NO ACTIVE CONSTRUCTION IS OCCURRING AT THAT AREA, & EACH NIGHT.

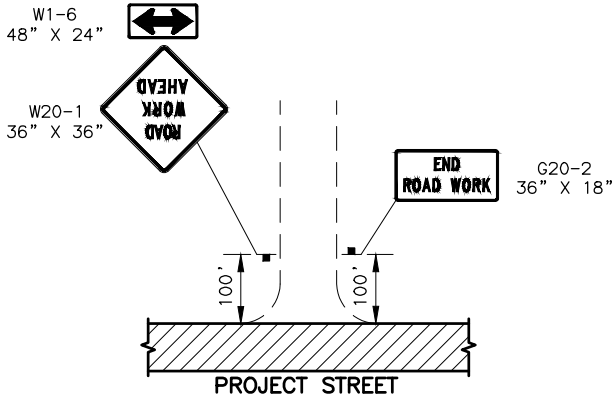
TRAFFIC CONTROL PLAN
NTS

LEGEND

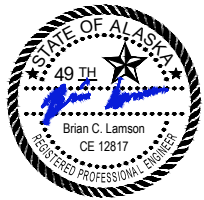
- CONSTRUCTION SIGN
- TYPE 3 BARRICADE WITH SIGNS



TYPICAL LAYOUT - A
NTS



TYPICAL LAYOUT - B
NTS



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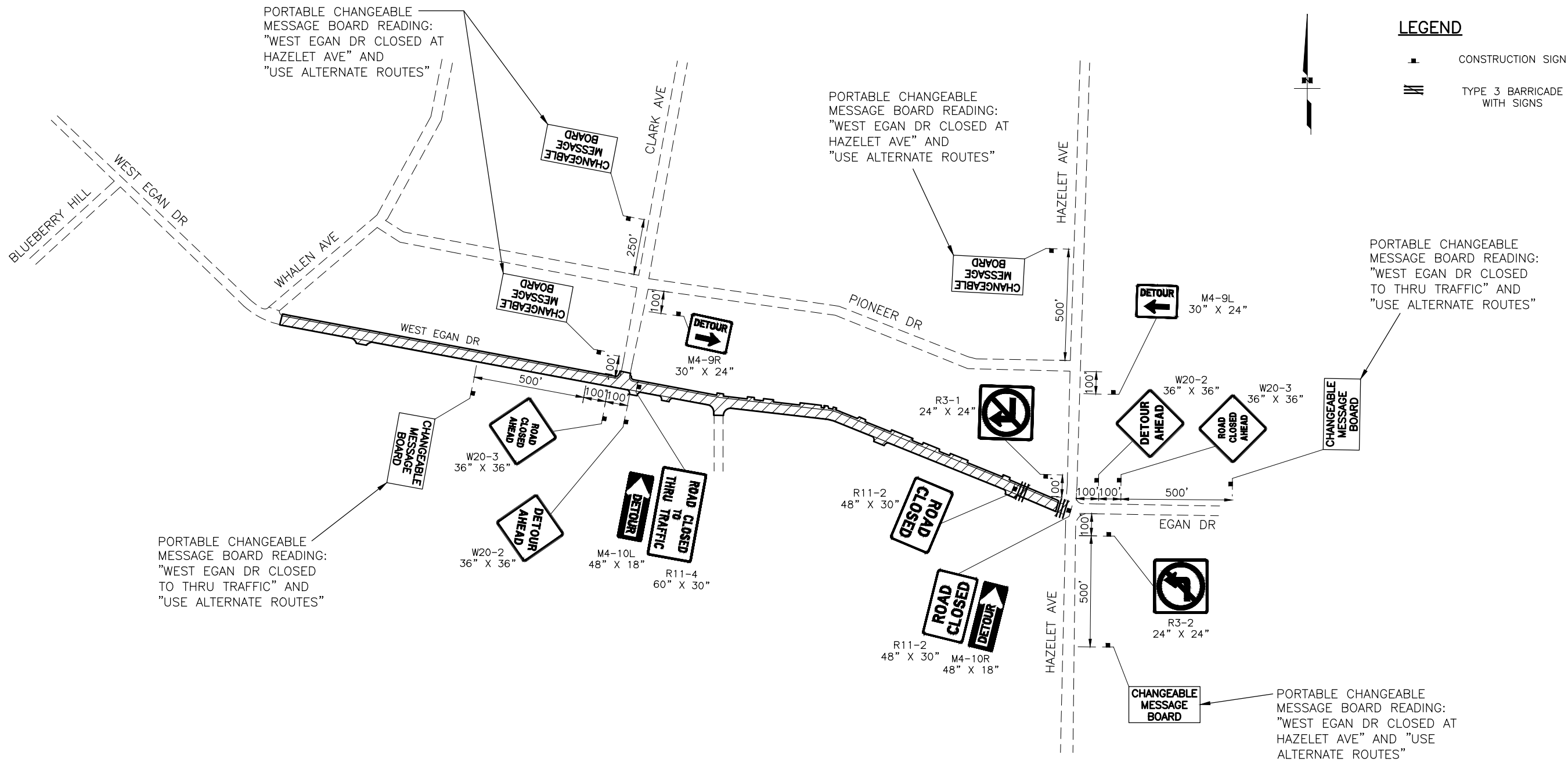
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CITY OF VALDEZ
PAVEMENT MANAGEMENT PHASE 1
WEST EGAN DRIVE

TRAFFIC CONTROL
PLAN

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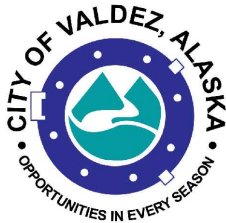
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	19-310-110	2020	J2	J4



TRAFFIC CONTROL PLAN – FULL CLOSURE IF REQUIRED
NTS

FULL ROAD CLOSURE NOTES:

1. FULL ROAD CLOSURES MUST BE APPROVED BY THE COV IN ADVANCE, AND ARE ONLY ALLOWED WHEN PARTIAL WIDTH CONSTRUCTION IS IMPRACTICAL.
2. THIS DETAIL DEPICTS A FULL CLOSURE FOR CONSTRUCTION OF THE TYPE III STORM DRAIN MANHOLE NEAR THE INTERSECTION OF W EGAN DR AND HAZELET AVE.
3. PROVIDE AN EMERGENCY ACCESS WIDTH OF 10' DURING FULL CLOSURE.



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CITY OF VALDEZ
PAVEMENT MANAGEMENT PHASE 1
WEST EGAN DRIVE

TRAFFIC CONTROL PLAN

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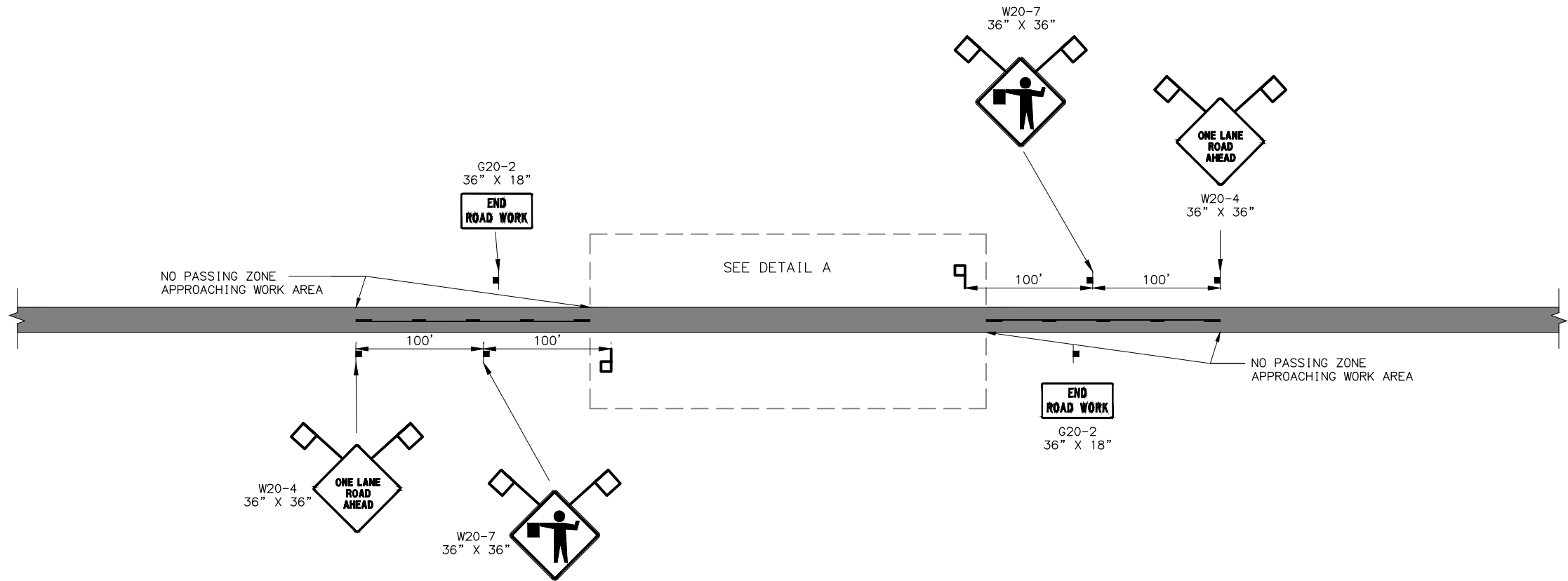
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	19-310-110	2020	J3	J4

TRAFFIC CONTROL NOTES:

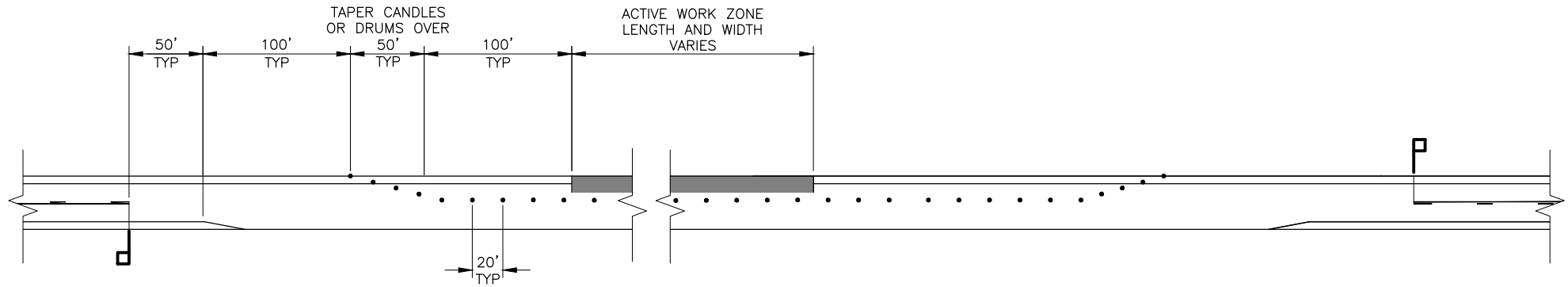
1. THIS TCP IS SCHEMATIC AND MAY VARY DEPENDING ON ACTUAL FIELD CONDITIONS. MODIFY AND ADJUST DISTANCE SHOWN ACCORDING TO SITE CONDITIONS.
2. MAINTAIN A MINIMUM OF 14 FEET OF TRAVELED WAY OPEN TO THE PUBLIC. PROVIDE EMERGENCY VEHICLES WITH ACCESS THROUGH THE PROJECT AT ALL TIMES.
3. ALL TEMPORARY TRAFFIC CONTROL SIGNS SHOWN SHALL HAVE HIGH LEVEL WARNING DEVICES.
4. USE WARNING LIGHTS TO MARK BARRICADES AND OTHER CHANNELING DEVICES AT NIGHT. EQUIP THE FIRST DEVICE, FACING THE DIRECTION OF TRAFFIC WITH TYPE A FLASHING WARNING LIGHTS; EQUIP ALL OTHERS WITH STEADY-BURN WARNING LIGHTS.
5. MAINTAIN BUSINESS ACCESS THROUGHOUT CONSTRUCTION.



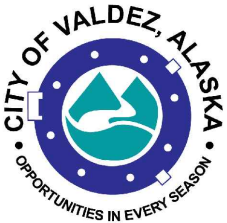
ONE LANE ROAD CLOSURE
NTS

LEGEND

- WORK AREA
- CONSTRUCTION SIGN
- DRUM/CANDLE
- FLAGGER
- HIGH LEVEL WARNING DEVICE (FLAGS)



DETAIL A
NTS



3/27/20

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CITY OF VALDEZ
PAVEMENT MANAGEMENT PHASE 1
WEST EGAN DRIVE

TRAFFIC CONTROL PLAN

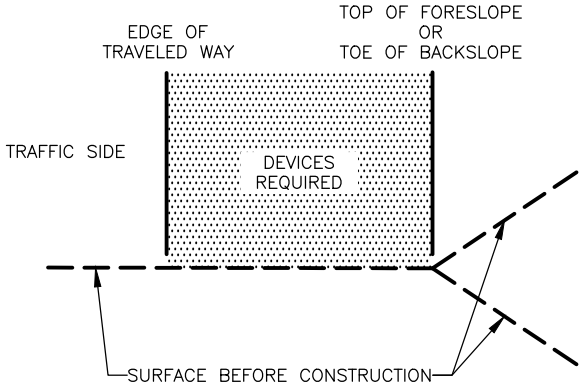
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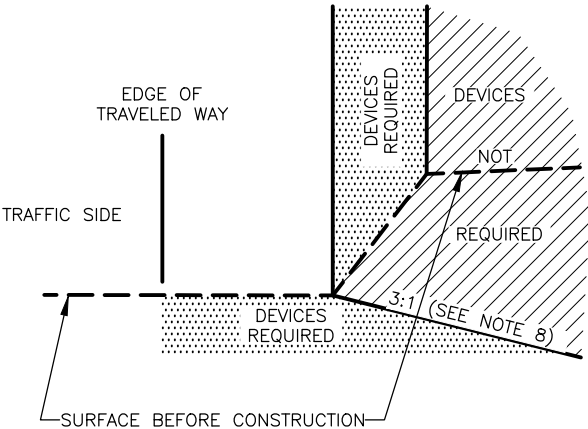
NOTES:

- TRAFFIC CONTROL DEVICES REQUIRED BY THE GUIDELINES ON THIS SHEET ARE INTENDED FOR CONDITIONS WHICH WILL BE IN PLACE LONGER THAN ONE CONTINUOUS WORK SHIFT. AN APPROVED TRAFFIC CONTROL PLAN IS REQUIRED PRIOR TO BEGINNING WORK.
- THE GROUND CROSS SECTION AT A LOCATION BEFORE CONSTRUCTION DETERMINES WHETHER TRAFFIC CONTROL DEVICES ARE NEEDED AT THE SAME LOCATION DURING CONSTRUCTION.
- GUARDRAIL EXISTING AT A LOCATION BEFORE CONSTRUCTION SHALL REMAIN IN PLACE DURING CONSTRUCTION OR APPROVED ALTERNATE DEVICES INSTALLED.
- INSTALL TRAFFIC CONTROL DEVICES BETWEEN THE EDGE OF TRAVELED WAY AND THE WORK AREA ON ANY ROADWAY OPENED TO TRAFFIC WHEN REQUIRED BY THIS DRAWING.
- EXISTING ROADWAY ALIGNMENTS INSTALL TRAFFIC CONTROL DEVICES WHEN WORK OCCURS IN THE DEVICES REQUIRED AREAS SHOWN ON THIS DRAWING.
- DETOURS, TEMPORARY ROADWAYS, OR NEW ROADWAYS NOT YET COMPLETE. INSTALL TRAFFIC CONTROL DEVICES WHEN ANY OF THE FOLLOWING CONDITIONS EXIST:
 - THE HORIZONTAL OR VERTICAL CURVATURE IS MORE SEVERE THAN BEFORE CONSTRUCTION BEGAN.
 - THE ROADWAY OR SHOULDER WIDTH IS LESS THAN BEFORE CONSTRUCTION BEGAN.
 - THE BACKSLOPE OR FORESLOPE IS STEEPER THAN BEFORE CONSTRUCTION BEGAN.
 - THE HEIGHT OF THE FORESLOPE IS GREATER THAN BEFORE CONSTRUCTION BEGAN.
- DROPOFFS:

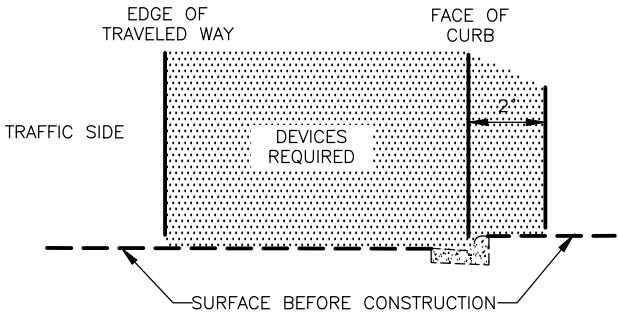
INSTALL TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE FORESLOPE SECTION DETAIL AND TABLE 1.
- ON ANY NEWLY CONSTRUCTED SLOPE STEEPER THAN 4:1 TO 3:1 PROVIDE A TEN FOOT FLAT RECOVERY AREA AT THE TOE OF SLOPE OR INSTALL TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE FORESLOPE SECTION DETAIL.
- DO NOT CONSTRUCT VERTICAL DROP OFFS GREATER THAN 1.5" WITHIN THE TRAFFIC LANE OR ACTIVE WHEEL TRACK. PROVIDE 2' OF SHY DISTANCE FROM EDGE OF ALL TRAFFIC CONTROL DEVICES TO THE EDGE OF THE TRAVELED WAY.



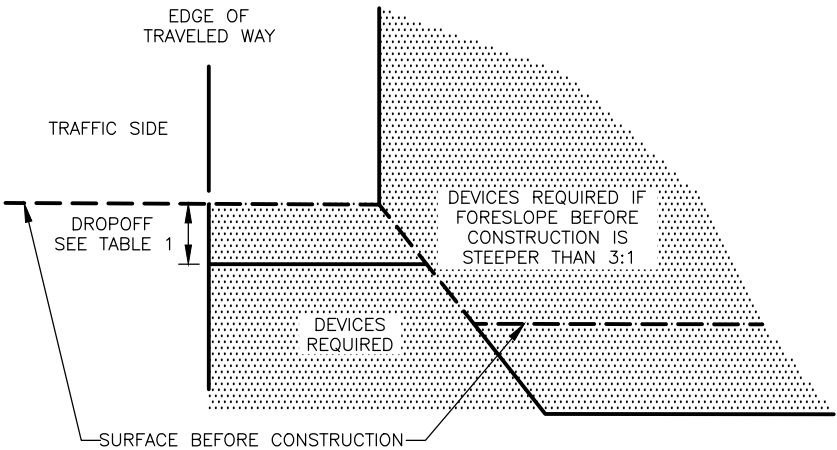
EMBANKMENT SECTION



BACKSLOPE SECTION



CURB AND GUTTER SECTION



FORESLOPE SECTION

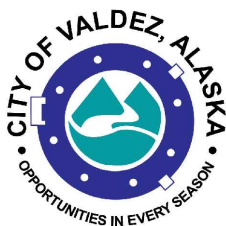
LEGEND

- WORK AREA WHERE TRAFFIC CONTROL DEVICES ARE REQUIRED
- WORK AREA WHERE TRAFFIC CONTROL DEVICES ARE NOT REQUIRED
- SURFACE BEFORE CONSTRUCTION
- CONSTRUCTION AREA BOUNDARY

TABLE 1
TRAFFIC CONTROL DEVICES REQUIRED FOR VERTICAL DROPOFFS < 4 FEET FROM TRAVELED WAY

ROADWAY TYPE	DROPOFF ≤ 2"	2" ≤ DROPOFF ≤ 12"	DROPOFF ≥ 12"
AVERAGE DAILY TRAFFIC > 4000 OR SPEED > 40 MPH	TAPER ASPHALT AT 1:1 OR 45°	TYPE II BARRICADES OR DRUMS	TEMPORARY PORTABLE CONCRETE BARRIER OR TEMPORARY GUARDRAIL
ALL OTHER ROADWAYS	NONE REQUIRED	TUBULAR CANDLES OR DELINEATORS	TYPE II BARRICADES OR DRUMS

* SPACE THE DEVICES IN ACCORDANCE WITH REQUIREMENTS FOR SPACING TYPE II BARRICADES AND DRUMS SET FORTH IN THE ALASKA TRAFFIC MANUAL.



3/27/20

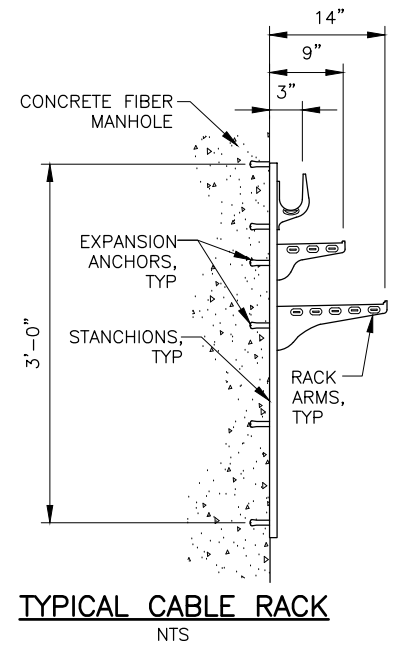
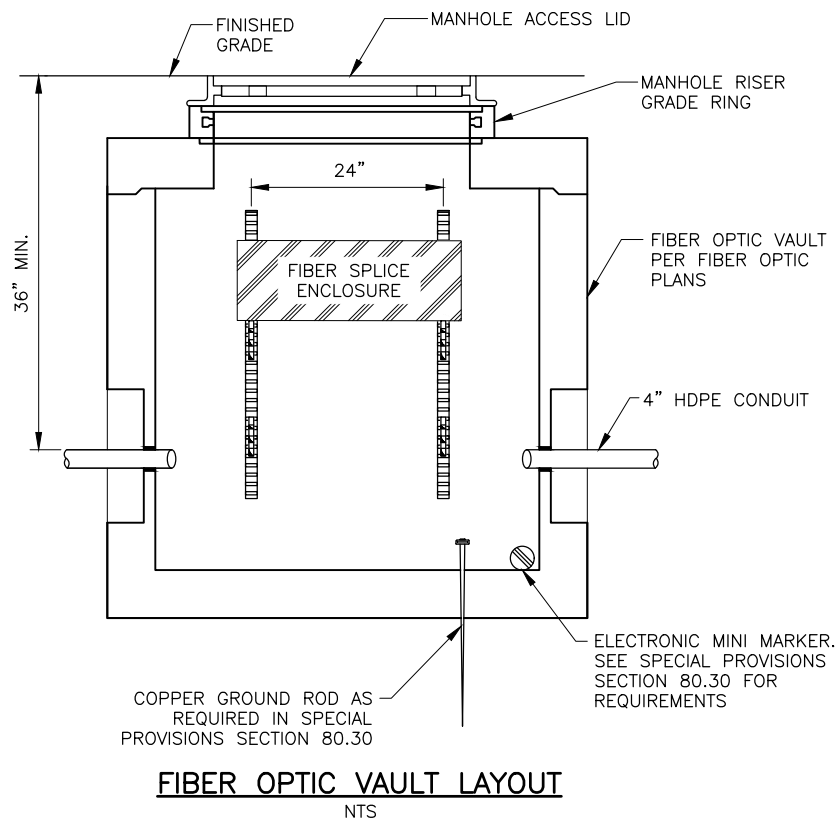
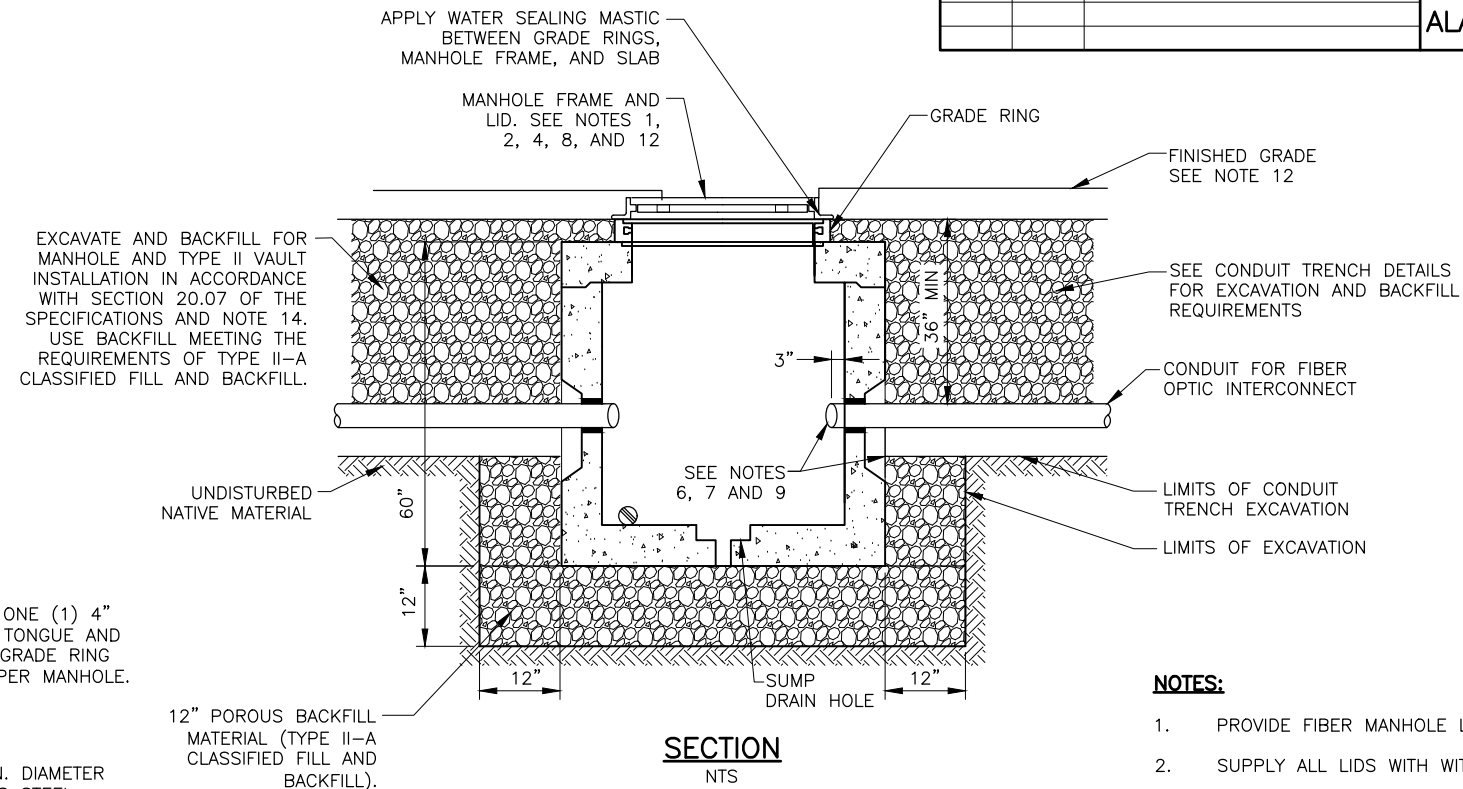
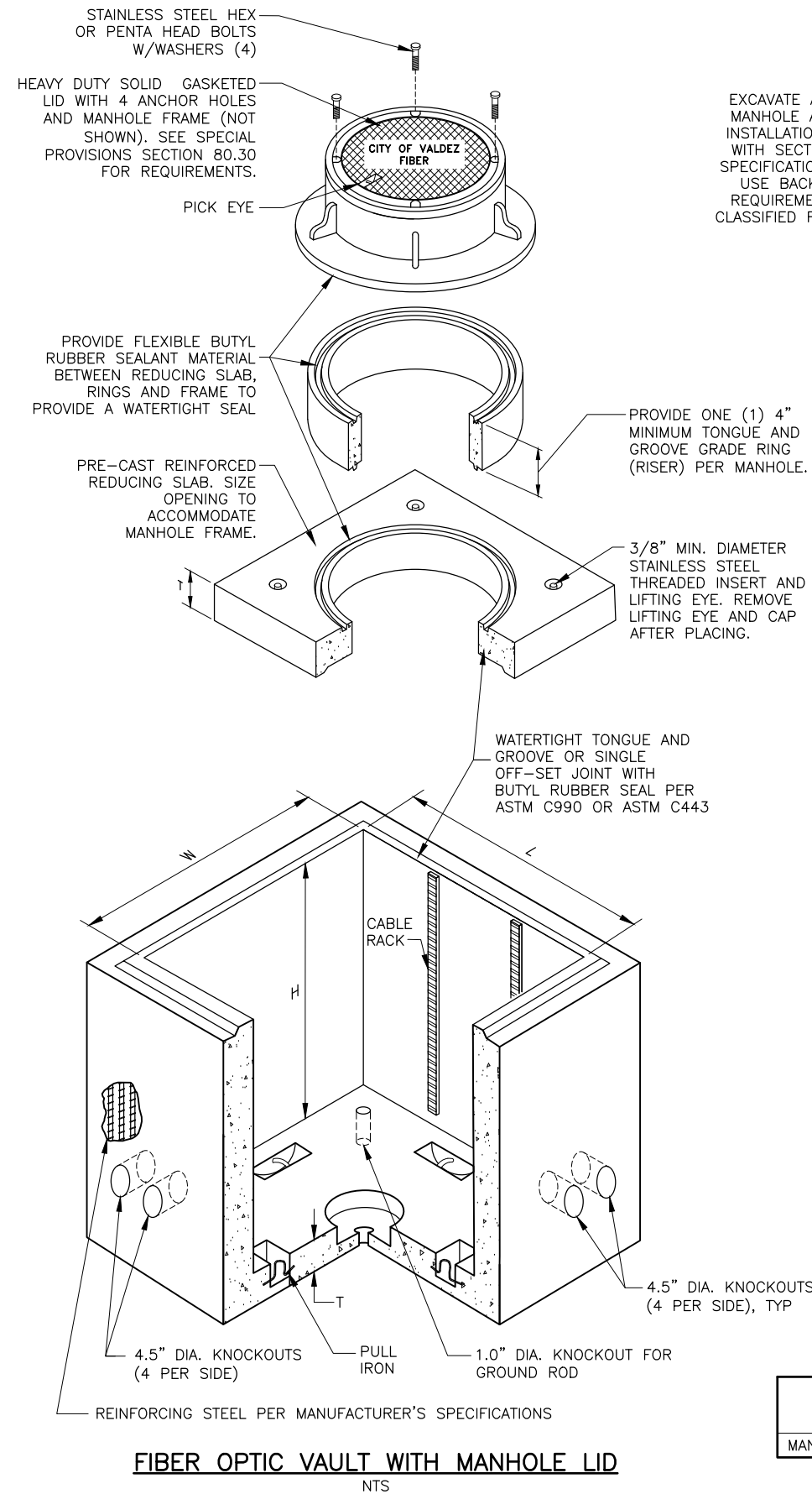
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CITY OF VALDEZ
PAVEMENT MANAGEMENT PHASE 1
WEST EGAN DRIVE

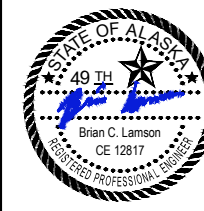
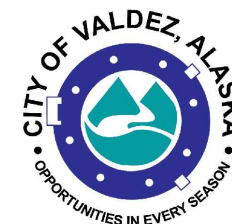
TRAFFIC CONTROL PLAN

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	19-310-110	2020	U1	U6



- NOTES:**
- FIBER CABLE RACK**
NTS
1. PROVIDE FIBER MANHOLE LIDS RATED FOR AASHTO HS-20-44 LOADING.
 2. SUPPLY ALL LIDS WITH WITH A HOLE OR SLOT FOR REMOVAL WITH A LEVER OR HOOK.
 3. WHERE REQUIRED BY OSHA, PROVIDE A PORTABLE ENTRY LADDER MEETING OSHA REQUIREMENTS.
 4. PROVIDE FIBER MANHOLE LIDS MARKED, "CITY OF VALDEZ FIBER".
 5. PROVIDE FIBER VAULTS WITH A HEAVY-DUTY NON-METALLIC CABLE STORAGE RACK SYSTEM. PROVIDE RACK ARMS OR STANCHIONS CAPABLE OF SUPPORTING A MINIMUM OF 250 LBS. INCLUDE A MINIMUM OF 36 INCH RACK STANCHIONS AND 4 RACK ARMS.
 6. INSTALL CONDUITS INTO FIBER VAULTS AT THINWALL SECTIONS ONLY. CORE DRILL IN THE THINWALL SECTION TO CONDUIT SIZE PLUS 1/4 INCH ALL AROUND. DO NOT "KNOCK OUT" THE THINWALL SECTION.
 7. SEAL CONDUIT PENETRATIONS USING SIKA LEAKMASTER LV-1 OR APPROVED ADEKA PRODUCT EQUIVALENT.
 8. BOND AND GROUND ALL METALLIC COMPONENTS OF THE FIBER VAULT, INCLUDING RACK, FRAME AND LIDS PER SPECIAL PROVISIONS SECTION 80.30.
 9. PLUG CONDUITS ENDS TO EXCLUDE WATER UNTIL FIBER OPTIC CABLE IS INSTALLED.
 10. EXTEND GROUND ROD A MINIMUM OF 4 INCHES AND A MAXIMUM OF 6 INCHES ABOVE BOTTOM OF VAULTS AND MANHOLES.
 11. USE A SPLIT BOLT CONNECTER TO ATTACH GROUND WIRES TO GROUND ROD. ATTACH NOT MORE THAN TWO WIRES PER BOLT.
 12. U.O.N., TOP OF FIBER VAULTS SHALL BE INSTALLED:
 - A. FROM 0" TO 3/16" BELOW FINISHED GRADE WHEN LOCATED IN A SIDEWALK OR PATHWAY;
 - B. 3/8" BELOW FINISHED GRADE WHEN LOCATED IN A PAVED PARKING LOT, MEDIAN, OR ROADWAY;
 - C. OR AS DIRECTED BY THE ENGINEER.
 13. DO NOT PLACE FIBER VAULTS IN THE BOTTOM OF DRAINAGE COLLECTION AREAS.
 14. ALL TRENCHING AND EXCAVATION SHALL COMPLY WITH COV STANDARD SPECIFICATIONS, DIVISION 80 OF THE SPECIAL PROVISIONS, AND OSHA SAFETY STANDARDS AND REGULATIONS.

TYPE	"L" INCH	'W' INCH	"H" INCH	"T" INCH	LID
MANHOLE	48	48	48	6 MIN	MANHOLE



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 **KINNEY**
ENGINEERING, LLC

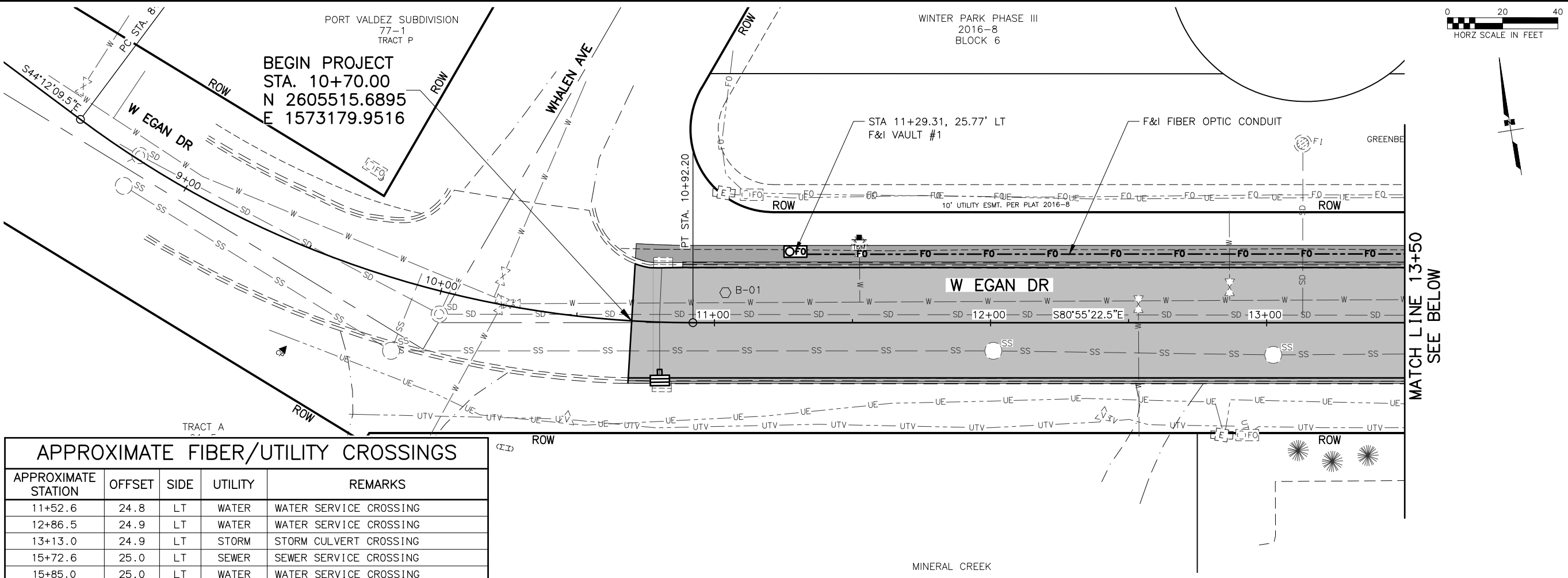
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CITY OF VALDEZ
PAVEMENT MANAGEMENT PHASE 1
WEST EGAN DRIVE

FIBER OPTIC VAULT DETAILS

3/27/20

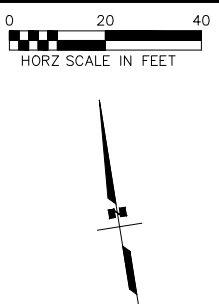
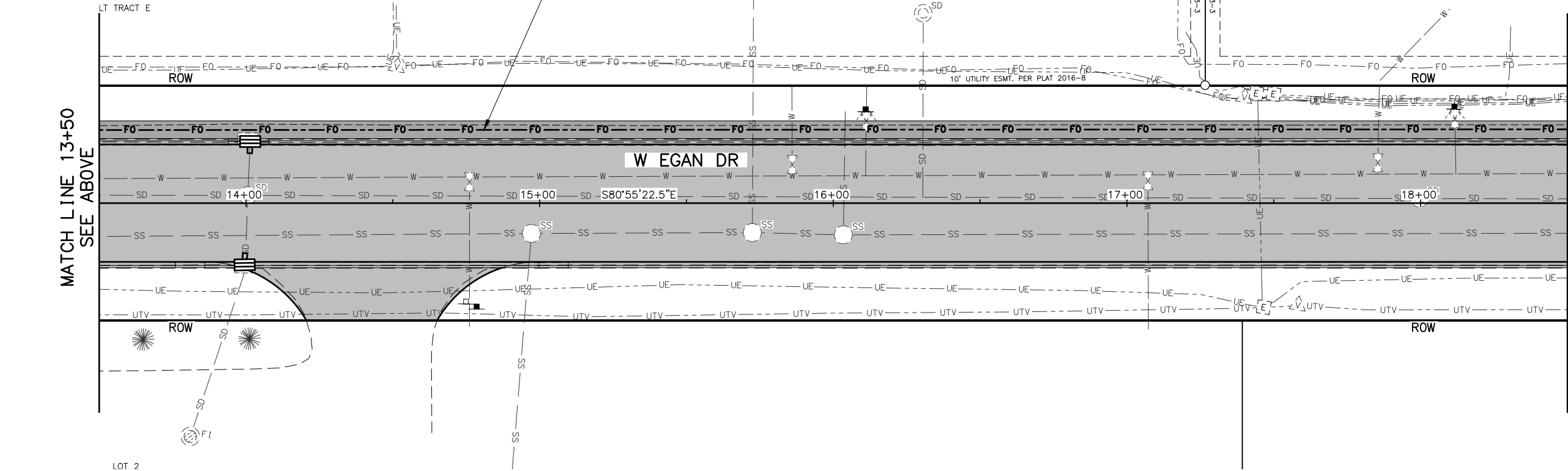
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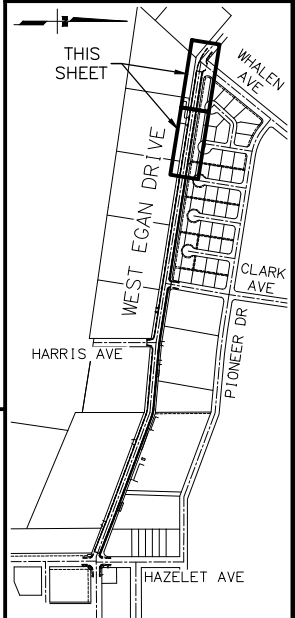
APPROXIMATE FIBER/UTILITY CROSSINGS				
APPROXIMATE STATION	OFFSET	SIDE	UTILITY	REMARKS
11+52.6	24.8	LT	WATER	WATER SERVICE CROSSING
12+86.5	24.9	LT	WATER	WATER SERVICE CROSSING
13+13.0	24.9	LT	STORM	STORM CULVERT CROSSING
15+72.6	25.0	LT	SEWER	SEWER SERVICE CROSSING
15+85.0	25.0	LT	WATER	WATER SERVICE CROSSING
16+04.0	25.0	LT	SEWER	SEWER SERVICE CROSSING
16+11.2	25.0	LT	WATER	WATER SERVICE CROSSING
16+30.5	25.0	LT	STORM	STORM CULVERT CROSSING
17+44.7	25.1	LT	ELEC	ELECTRICAL SERVICE CROSSING
17+85.6	25.1	LT	WATER	WATER SERVICE CROSSING
18+11.7	25.1	LT	WATER	WATER SERVICE CROSSING

PROVIDED FOR INFORMATION ONLY. CONTRACTOR TO VERIFY WITH UTILITY LOCATES.

- FIBER OPTIC SYSTEM NOTES:**
1. VAULT LOCATIONS AND CONDUIT ROUTING SHOWN IS APPROXIMATE.
 2. SEE DIVISION 80 OF THE SPECIAL PROVISIONS FOR CONSTRUCTION REQUIREMENTS.
 3. CAP CONDUIT ENDS IN VAULT.
 4. SEE SHEET U2 FOR TRENCH DETAILS.

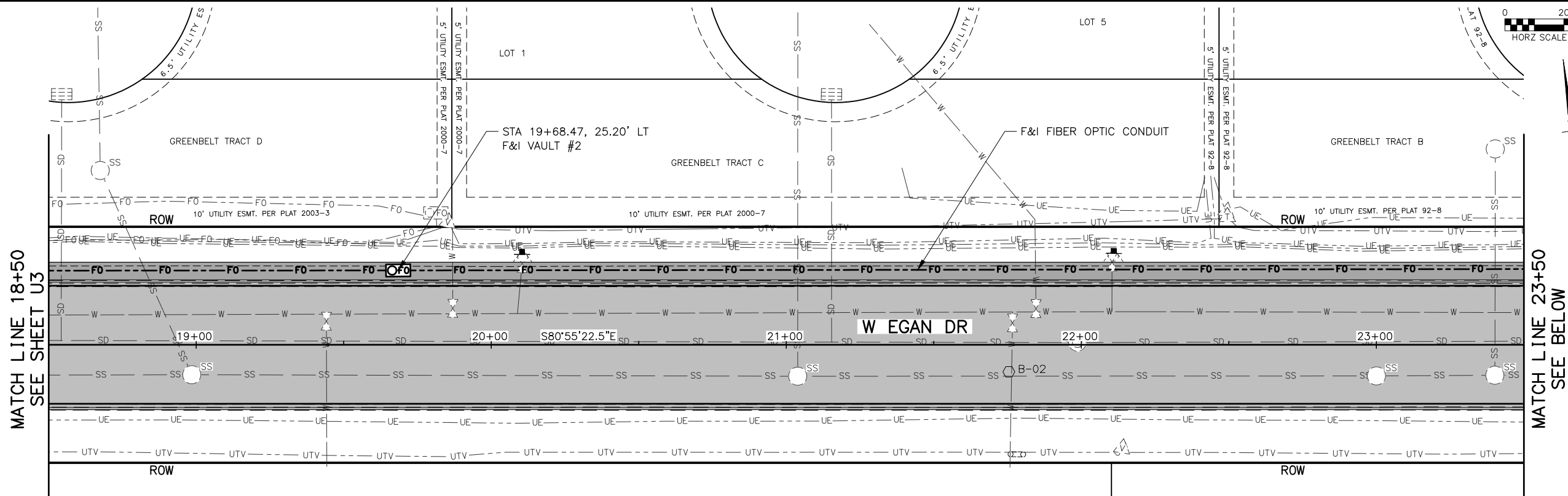


SHEET NO.	TOTAL SHEETS
U3	U6
STATE	YEAR
ALASKA	2020
PROJECT DESIGNATION	
19-310-110	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



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KINNEY
ENGINEERING, LLC
CITY OF VALDEZ
PAVEMENT MANAGEMENT
WEST EGAN DRIVE

FIBER OPTIC PLAN
BOP TO STA 18+50

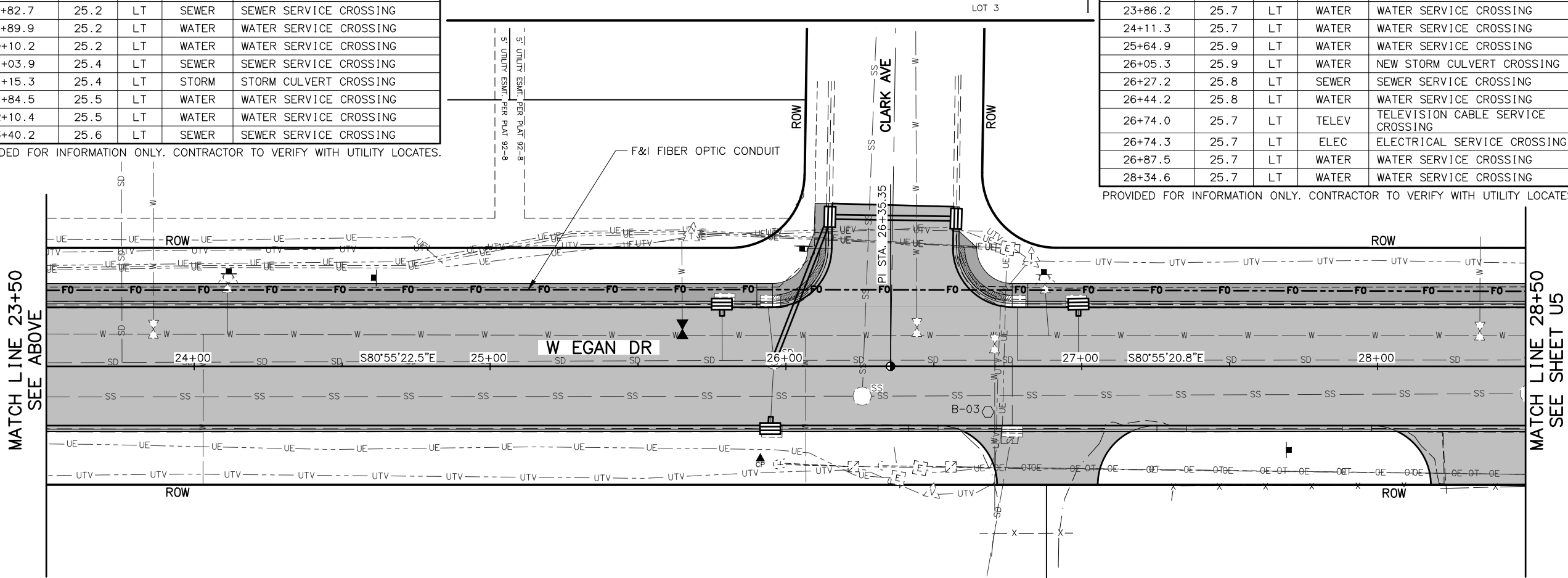


APPROXIMATE FIBER/UTILITY CROSSINGS				
APPROXIMATE STATION	OFFSET	SIDE	UTILITY	REMARKS
18+54.3	25.1	LT	STORM	STORM CULVERT CROSSING
18+82.7	25.2	LT	SEWER	SEWER SERVICE CROSSING
19+89.9	25.2	LT	WATER	WATER SERVICE CROSSING
20+10.2	25.2	LT	WATER	WATER SERVICE CROSSING
21+03.9	25.4	LT	SEWER	SEWER SERVICE CROSSING
21+15.3	25.4	LT	STORM	STORM CULVERT CROSSING
21+84.5	25.5	LT	WATER	WATER SERVICE CROSSING
22+10.4	25.5	LT	WATER	WATER SERVICE CROSSING
23+40.2	25.6	LT	SEWER	SEWER SERVICE CROSSING

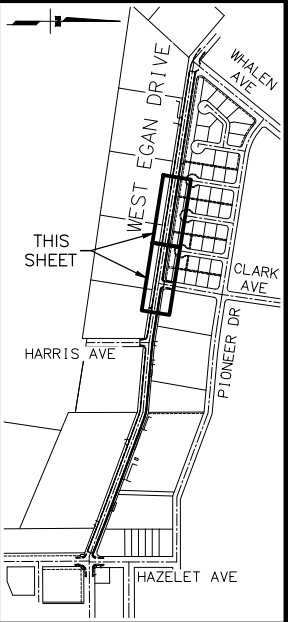
PROVIDED FOR INFORMATION ONLY. CONTRACTOR TO VERIFY WITH UTILITY LOCATES.

APPROXIMATE FIBER/UTILITY CROSSINGS				
APPROXIMATE STATION	OFFSET	SIDE	UTILITY	REMARKS
23+75.5	25.7	LT	STORM	STORM CULVERT CROSSING
23+86.2	25.7	LT	WATER	WATER SERVICE CROSSING
24+11.3	25.7	LT	WATER	WATER SERVICE CROSSING
25+64.9	25.9	LT	WATER	WATER SERVICE CROSSING
26+05.3	25.9	LT	WATER	NEW STORM CULVERT CROSSING
26+27.2	25.8	LT	SEWER	SEWER SERVICE CROSSING
26+44.2	25.8	LT	WATER	WATER SERVICE CROSSING
26+74.0	25.7	LT	TELEV	TELEVISION CABLE SERVICE CROSSING
26+74.3	25.7	LT	ELEC	ELECTRICAL SERVICE CROSSING
26+87.5	25.7	LT	WATER	WATER SERVICE CROSSING
28+34.6	25.7	LT	WATER	WATER SERVICE CROSSING

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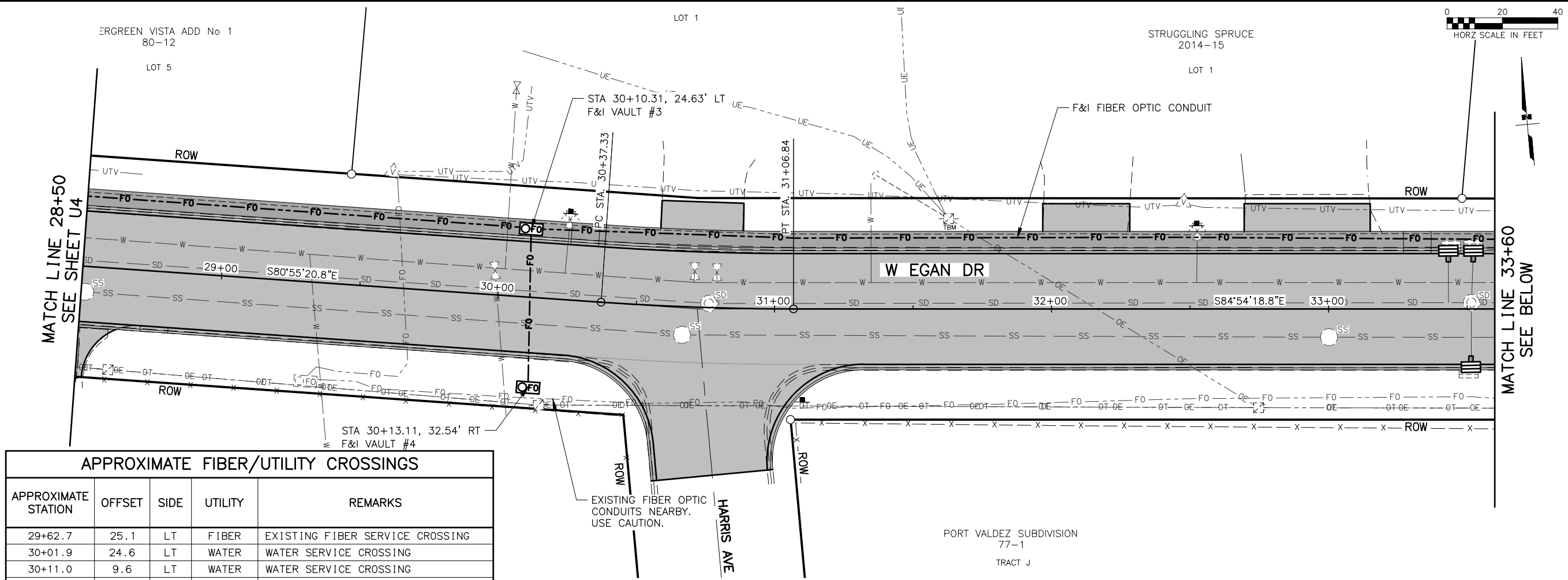
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STATE	YEAR
ALASKA	2020
PROJECT DESIGNATION	
19-310-110	
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DATE	
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KINNEY
ENGINEERING, LLC
CITY OF VALDEZ
PAVEMENT MANAGEMENT
WEST EGAN DRIVE

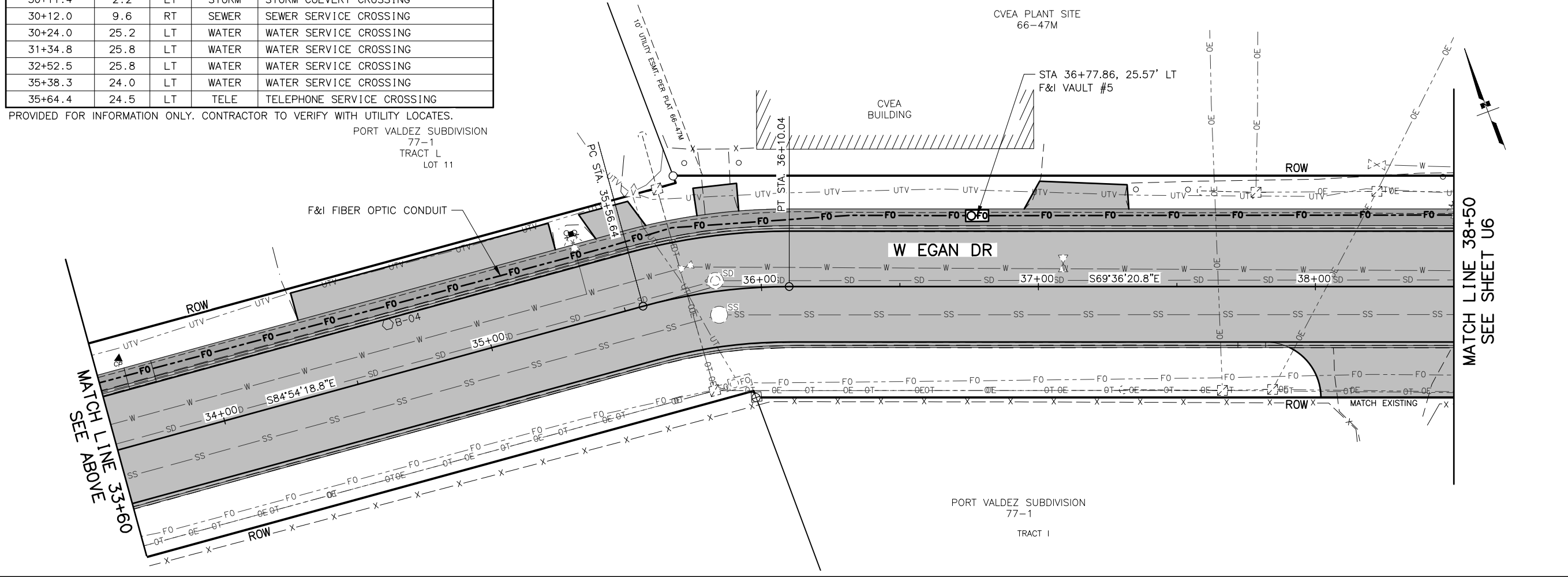
FIBER OPTIC PLAN
STA 18+50 TO STA 28+50

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APPROXIMATE FIBER/UTILITY CROSSINGS				
APPROXIMATE STATION	OFFSET	SIDE	UTILITY	REMARKS
29+62.7	25.1	LT	FIBER	EXISTING FIBER SERVICE CROSSING
30+01.9	24.6	LT	WATER	WATER SERVICE CROSSING
30+11.0	9.6	LT	WATER	WATER SERVICE CROSSING
30+11.4	2.2	LT	STORM	STORM CULVERT CROSSING
30+12.0	9.6	RT	SEWER	SEWER SERVICE CROSSING
30+24.0	25.2	LT	WATER	WATER SERVICE CROSSING
31+34.8	25.8	LT	WATER	WATER SERVICE CROSSING
32+52.5	25.8	LT	WATER	WATER SERVICE CROSSING
35+38.3	24.0	LT	WATER	WATER SERVICE CROSSING
35+64.4	24.5	LT	TELE	TELEPHONE SERVICE CROSSING

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PORT VALDEZ SUBDIVISION
77-1
TRACT L
LOT 11



SHEET NO. U5TOTAL SHEETS U6

STATE ALASKAYEAR 2020

PROJECT DESIGNATION19-310-110

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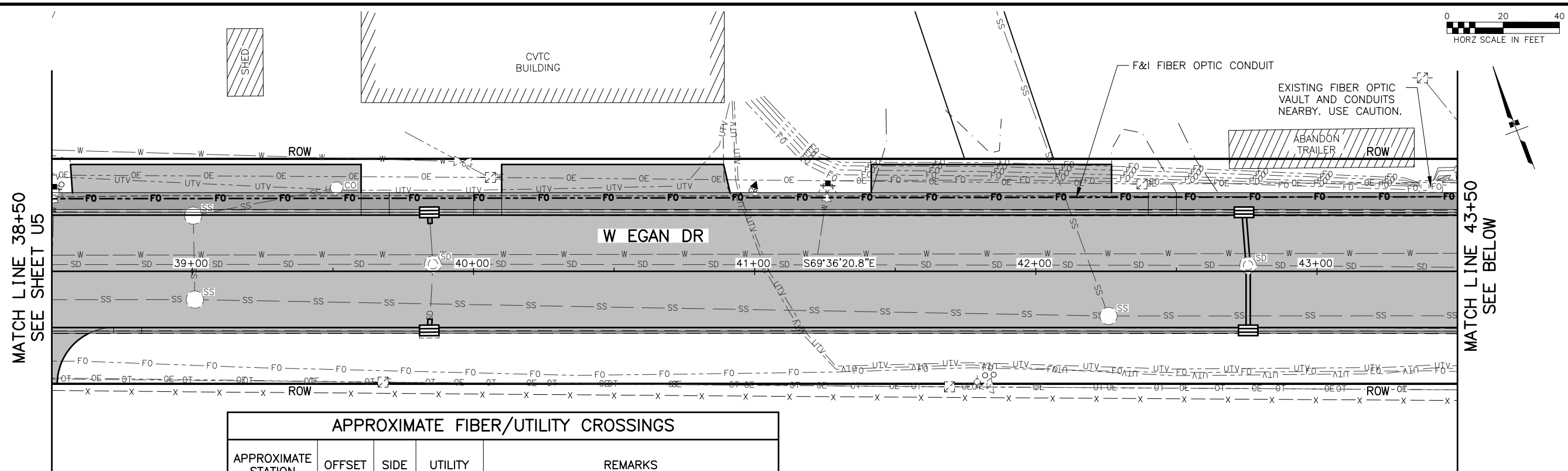
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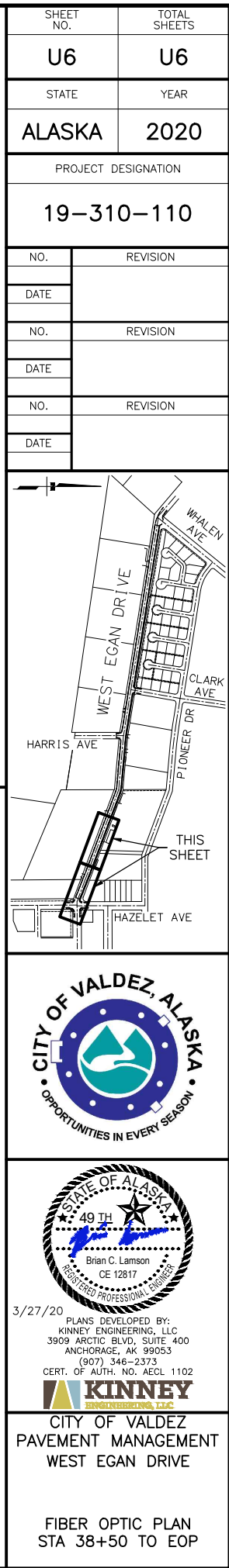
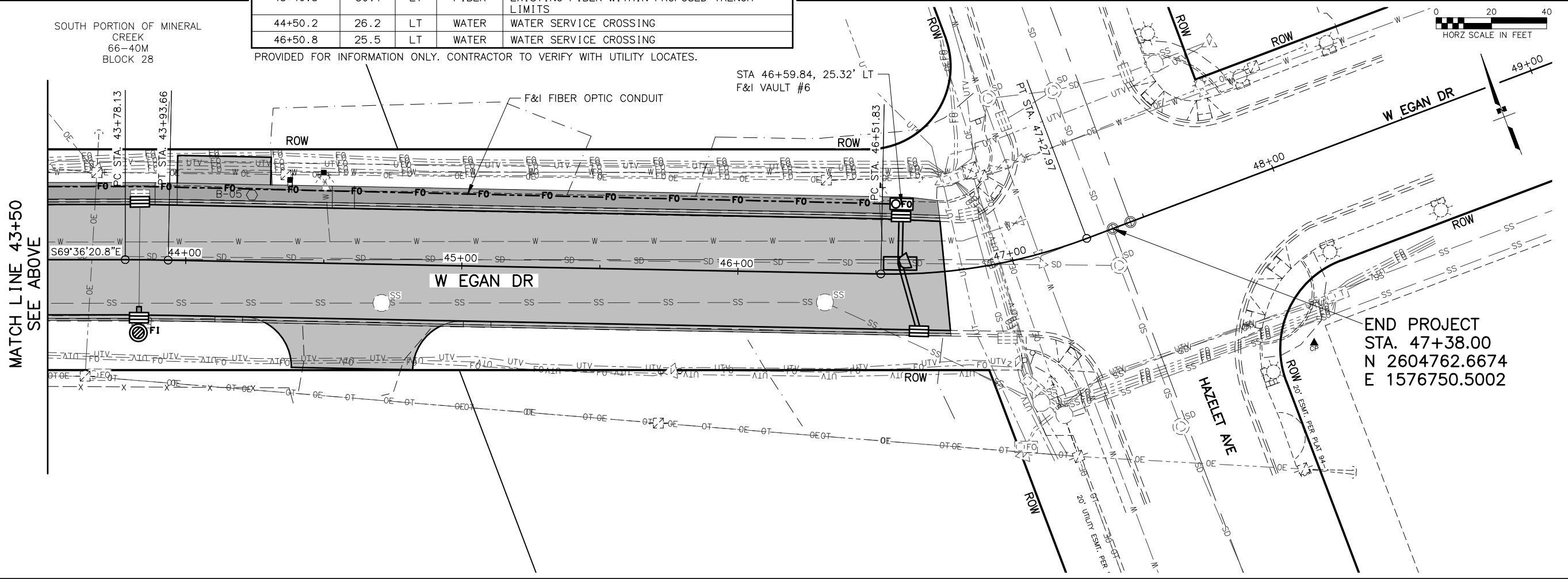
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CITY OF VALDEZ
PAVEMENT MANAGEMENT
WEST EGAN DRIVE

FIBER OPTIC PLAN
STA 28+50 TO STA 38+50



APPROXIMATE FIBER/UTILITY CROSSINGS				
APPROXIMATE STATION	OFFSET	SIDE	UTILITY	REMARKS
38+50.8	25.8	LT	WATER	WATER SERVICE CROSSING
39+32.1	25.9	LT	SEWER	SEWER SERVICE CROSSING
40+94.6	26.1	LT	TELEV	TELEVISION CABLE SERVICE CROSSING
41+25.5	26.2	LT	WATER	WATER SERVICE CROSSING
42+10.4	26.3	LT	SEWER	SEWER SERVICE CROSSING
43+40.5	30.1	LT	FIBER	EXISTING FIBER VAULT NEARBY, EXISTING FIBER WITHIN PROPOSED TRENCH LIMITS
44+50.2	26.2	LT	WATER	WATER SERVICE CROSSING
46+50.8	25.5	LT	WATER	WATER SERVICE CROSSING



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	19-310-110	2020	Q1	Q6

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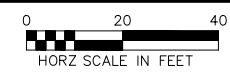
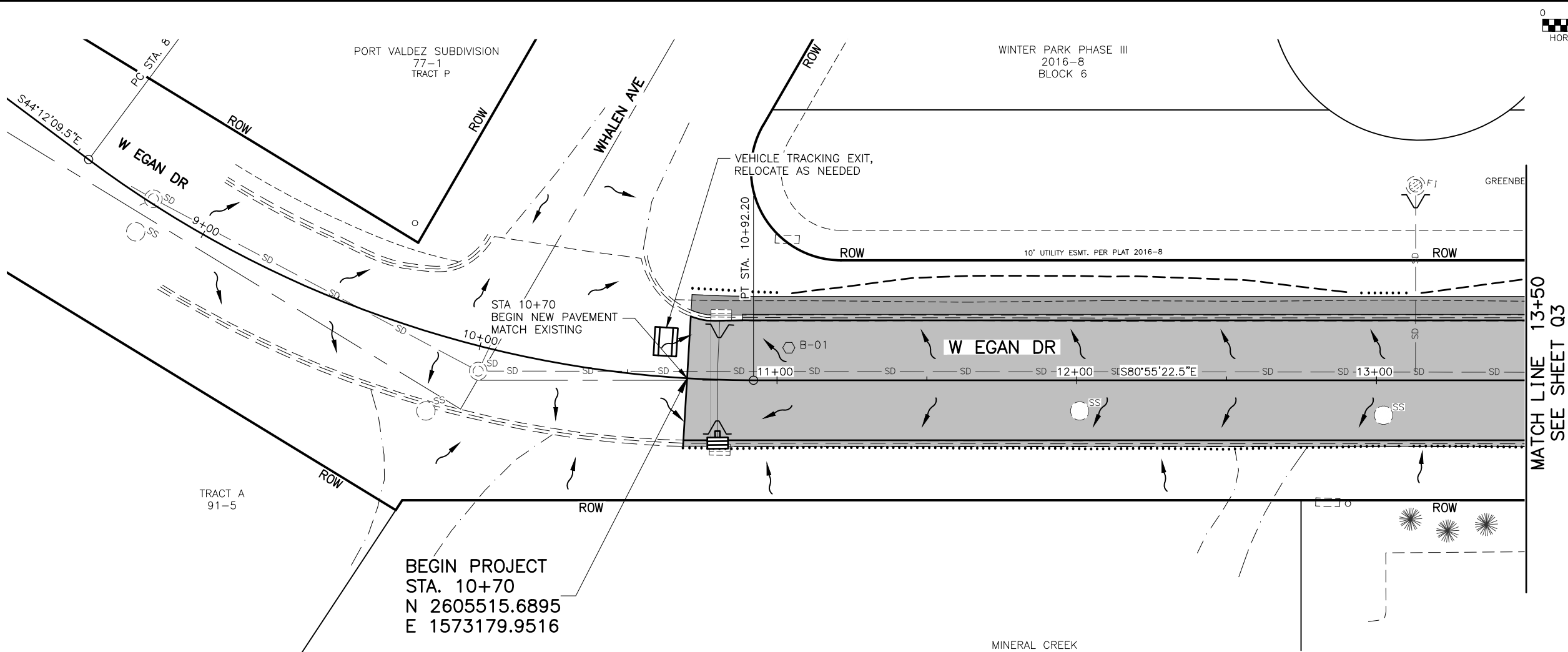
Q2

LAYOUT

DESIGNED

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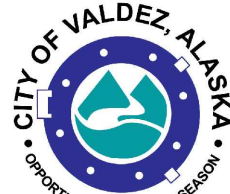
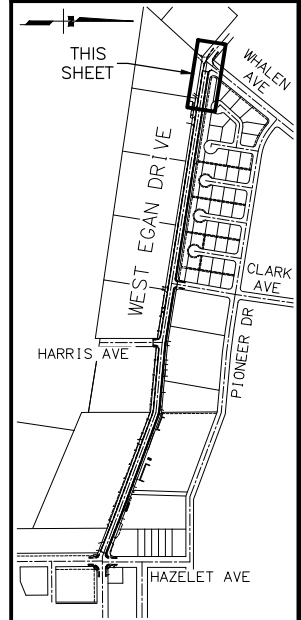
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SHEET NO.	TOTAL SHEETS
Q2	Q6
STATE	YEAR
ALASKA	2020

PROJECT DESIGNATION
19-310-110

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



ESCP NOTES:

1. THE CONTRACTOR SHALL DEVELOP A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) FOR THIS PROJECT. THE PLAN SHALL COMPLY TO THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) REQUIREMENTS FOR STORM WATER DISCHARGE FROM CONSTRUCTION SITES. SEE SECTION 20.30 OF THE SPECIFICATIONS, THE ALASKA SWPPP GUIDE (AS CURRENTLY AMENDED), AND ALL CONDITIONS OF PERMIT APPROVALS.
2. KEEP FREE OF LOOSE MATERIAL PAVED PORTIONS OF THE ROADWAY AND HAUL ROUTES OPEN TO THE PUBLIC, INCLUDING SECTIONS OF THE ROADWAY OFF THE PROJECT WHERE THE CONTRACTOR'S OPERATIONS HAVE INGRESS AND EGRESS. REFER TO SECTION 20.30 FOR THE PROJECT SPECIFICATION.
3. CONTRACTOR SHALL DOCUMENT ALL TEMPORARY STABILIZATION.
4. MINIMIZE THE AREA AND TIME PERIOD ERODIBLE SOIL IS EXPOSED TO STORM WATER. DISTURBED AREAS SHALL BE STABILIZED AS SOON AS PRACTICABLE.
5. THE SEDIMENT CONTROL DEVICES PROVIDED IN THE PLANS ARE APPROVED FOR USE IN THIS PROJECT. THE CONTRACTOR MAY USE OTHER DEVICES WITH APPROVAL FROM THE ENGINEER. THE PAYMENT FOR USE OF THESE DEVICES AND ANY OTHER APPROVED DEVICES IS CONSIDERED INCIDENTAL TO STORM WATER POLLUTION PREVENTION PLAN PAY ITEMS.
6. SEDIMENT CONTROL DEVICES SHALL BE INSTALLED BEFORE ERODIBLE SOIL IS EXPOSED AND MAY HAVE TO BE REMOVED AND REINSTALLED DAILY TO ALLOW CONSTRUCTION ACTIVITIES TO PROCEED. ALL DEVICES SHALL BE MAINTAINED ON A DAILY BASIS INCLUDING, BUT NOT LIMITED TO, REMOVAL AND DISPOSAL OF ACCUMULATED SOIL, CLEANING DEVICES AND REPLACEMENT OF DAMAGED DEVICES.
7. THE CONTRACTOR SHALL MAINTAIN DEVICES AND CORRECT ANY PROBLEMS OCCURRING DUE TO INADEQUATE PROTECTION MEASURES. INSPECT AND REPAIR DEVICES AFTER EACH RAINFALL. REMOVE AND DISPOSE OF SEDIMENT CONTROL DEVICES AFTER STABILIZATION OF SLOPES. EROSION AND SEDIMENT CONTROL SHALL BE INSPECTED BY CONTRACTOR EVERY 7 DAYS OR 24 HOURS OF A RAIN EVENT THAT EXCEEDS 0.5 INCHES. CONTRACTOR SHALL RECORD ALL RAINFALL EVENTS AND KEEP RECORDS ON SITE.
8. ONLY WATER, OR NON-TOXIC DUST PALLIATIVES SHALL BE USED TO CONTROL DUST.
9. PROVIDE EROSION CONTROL MATTING OR OTHER BMPs ON ALL SLOPES WHERE IMMEDIATE SEEDING IS NOT PRACTICAL.
10. AREA OF DISTURBANCE IS APPROXIMATELY 5.2 ACRES, THIS SHOULD BE USED FOR SWPPP PREPARATION. THE AREA OF DISTURBANCE INCLUDES THE EXISTING ROADWAY.

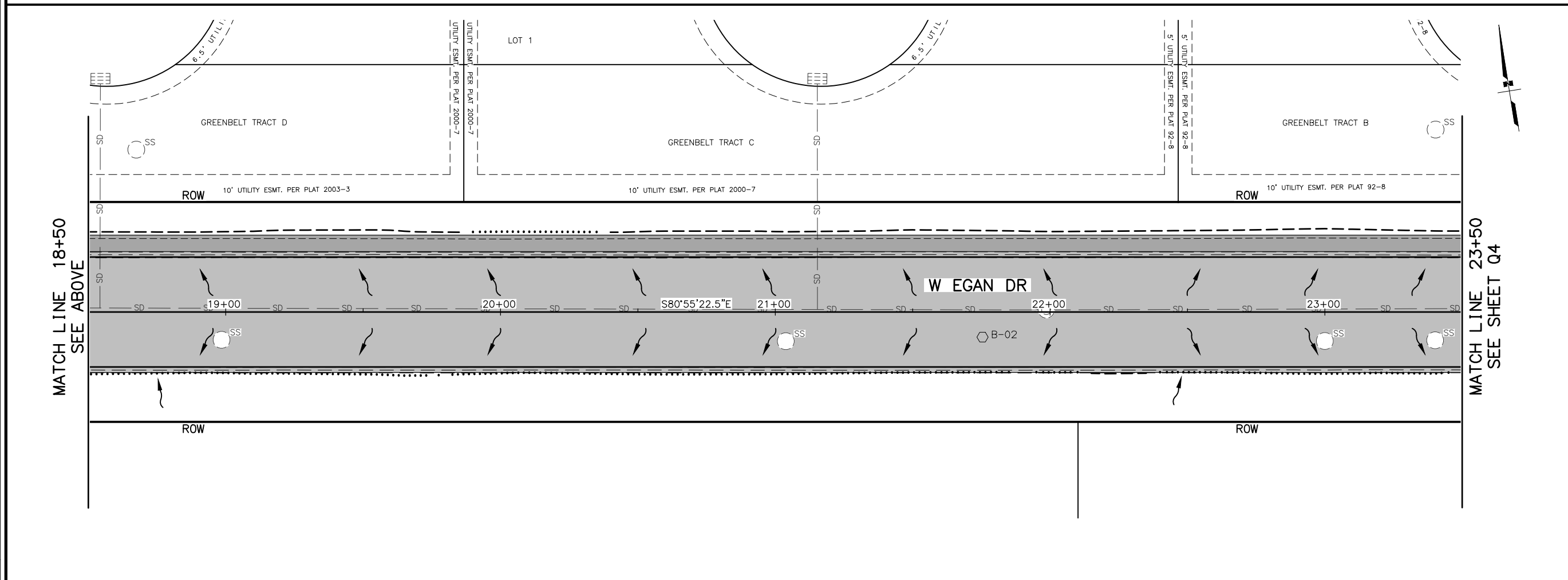
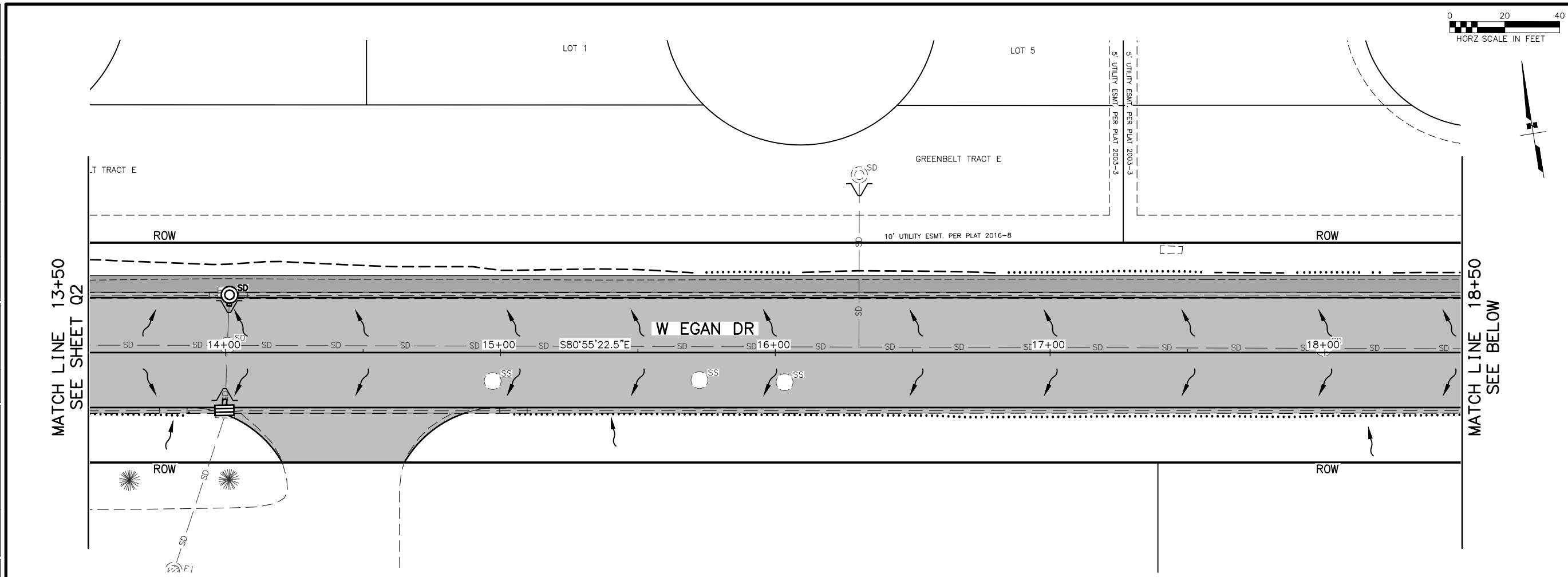
3/27/20

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, AK 99503
(907) 346-2373
CERT. OF AUTH. NO. AECL 1102

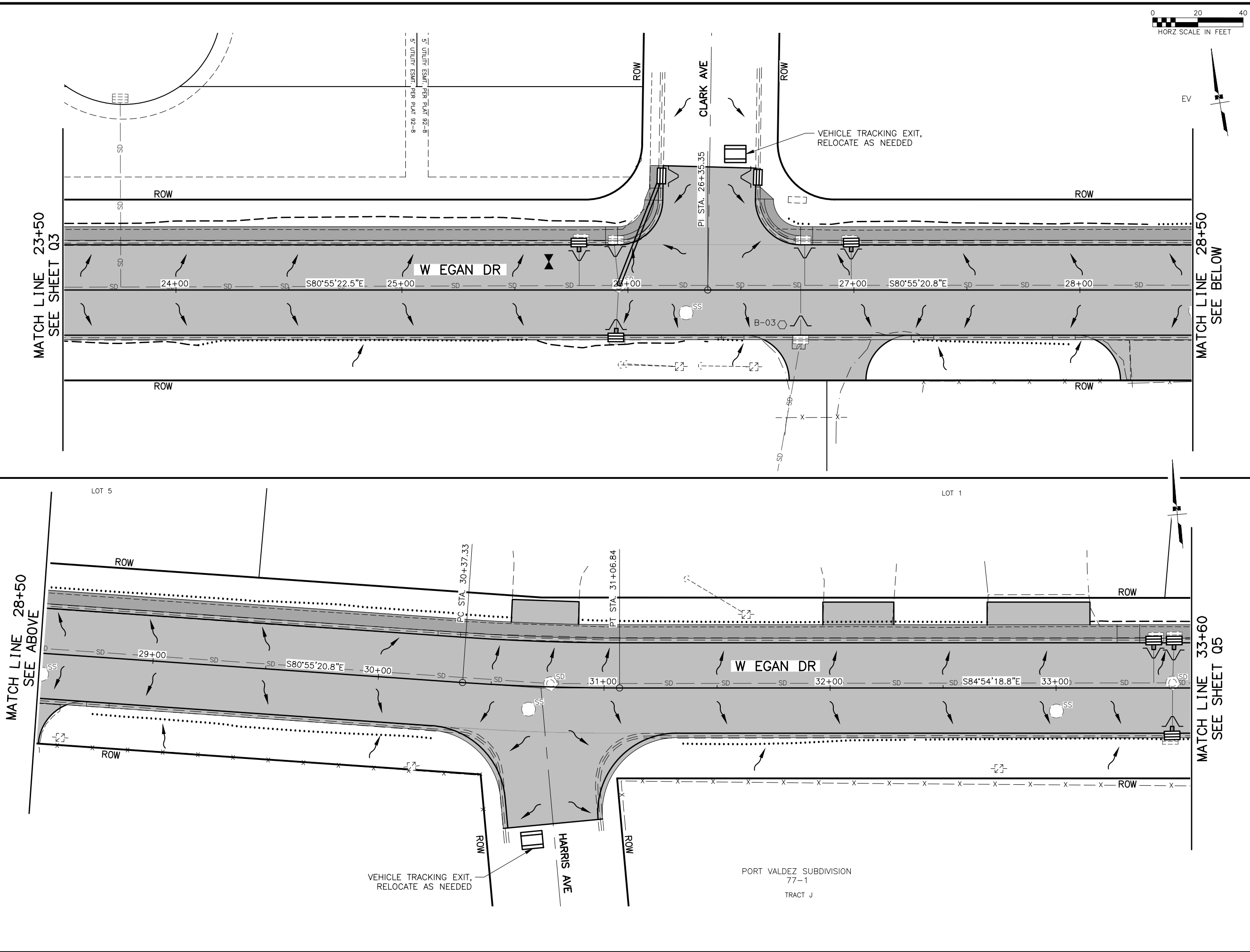
KINNEY
ENGINEERING, LLC

CITY OF VALDEZ
PAVEMENT MANAGEMENT
WEST EGAN DRIVE

ESCP
BOP TO STA 13+50

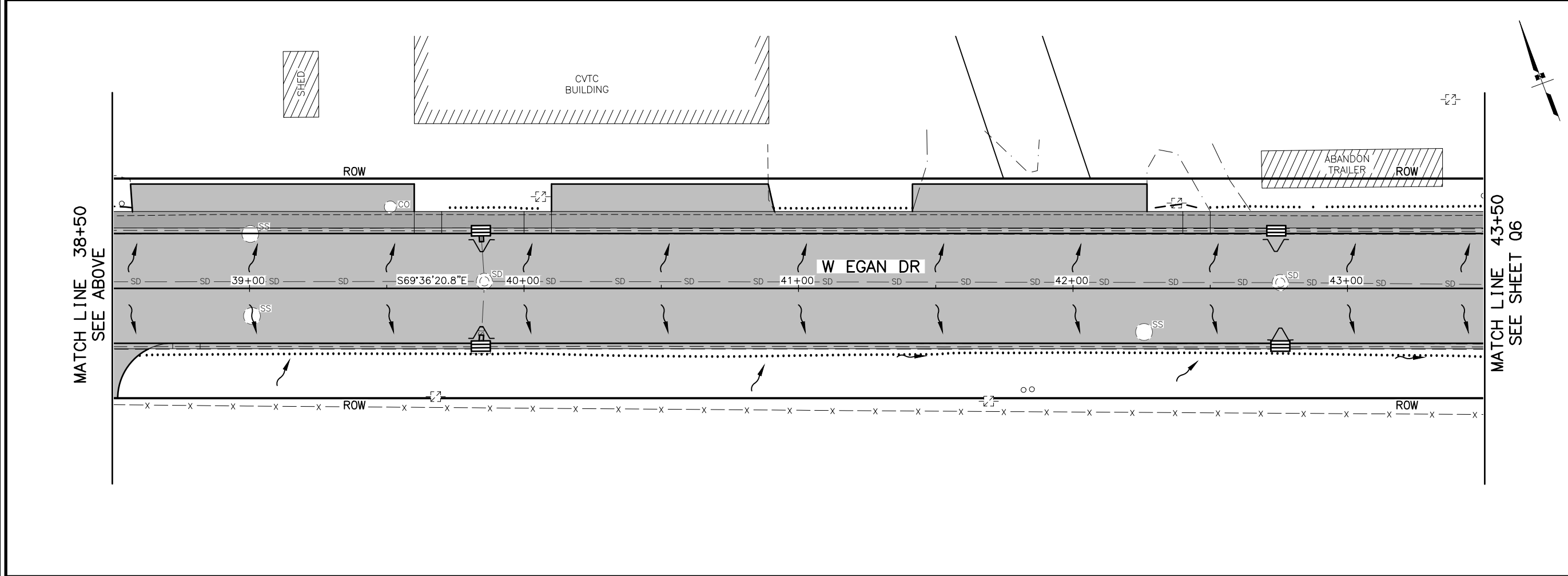
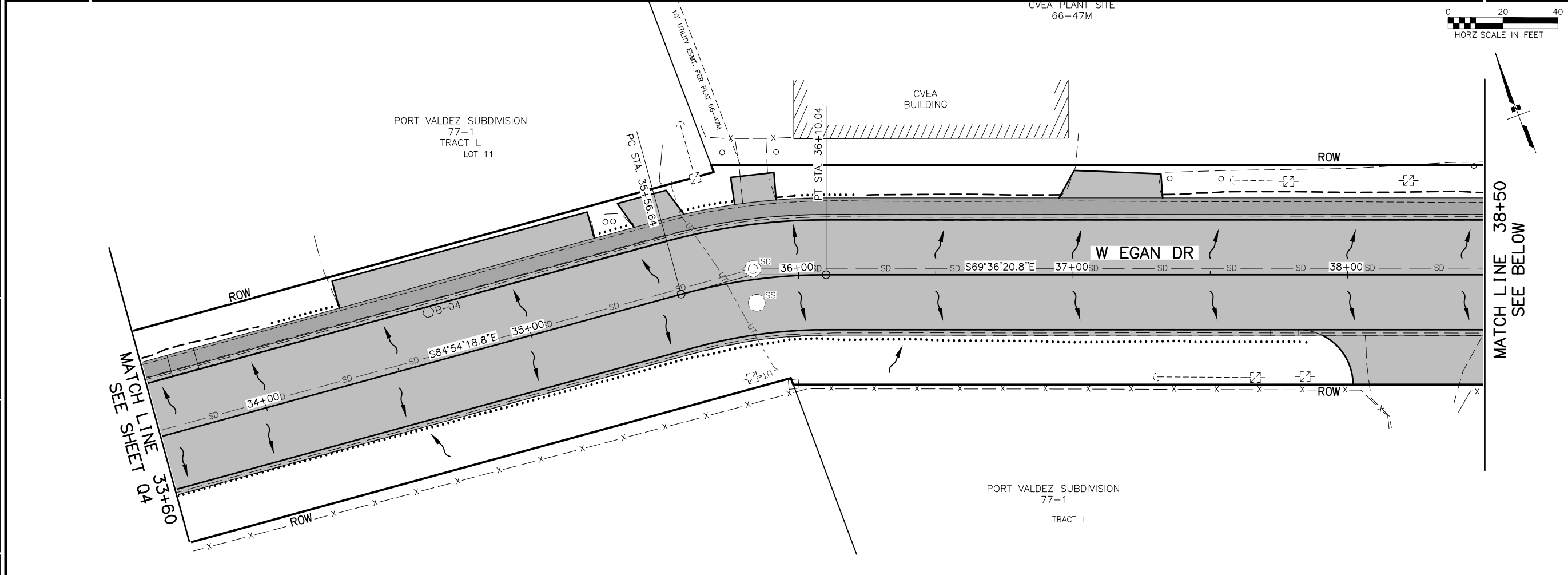


SHEET NO.		TOTAL SHEETS	
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STATE		YEAR	
ALASKA		2020	
PROJECT DESIGNATION			
19-310-110			
NO.		REVISION	
DATE			
NO.		REVISION	
DATE			
NO.		REVISION	
DATE			
3/27/20 PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 ARCTIC BLVD, SUITE 400 ANCHORAGE, AK 99503 (907) 346-2373 CERT. OF AUTH. NO. AECL 1102			
CITY OF VALDEZ PAVEMENT MANAGEMENT WEST EGAN DRIVE			
ESCP STA 13+50 TO STA 23+50			



SHEET NO.		TOTAL SHEETS	
Q4		Q6	
STATE		YEAR	
ALASKA		2020	
PROJECT DESIGNATION			
19-310-110			
NO.		REVISION	
DATE			
NO.		REVISION	
DATE			
NO.		REVISION	
DATE			
3/27/20 PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 ARCTIC BLVD, SUITE 400 ANCHORAGE, AK 99503 (907) 346-2373 CERT. OF AUTH. NO. AECL 1102  KINNEY ENGINEERING, LLC CITY OF VALDEZ PAVEMENT MANAGEMENT WEST EGAN DRIVE ESCP STA 23+50 TO STA 33+60			

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SHEET NO.	TOTAL SHEETS
Q5	Q6
STATE	YEAR
ALASKA	2020
PROJECT DESIGNATION	
19-310-110	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

3/27/20
PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, AK 99503
(907) 346-2373
CERT. OF AUTH. NO. AECL 1102

CITY OF VALDEZ
PAVEMENT MANAGEMENT
WEST EGAN DRIVE

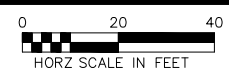
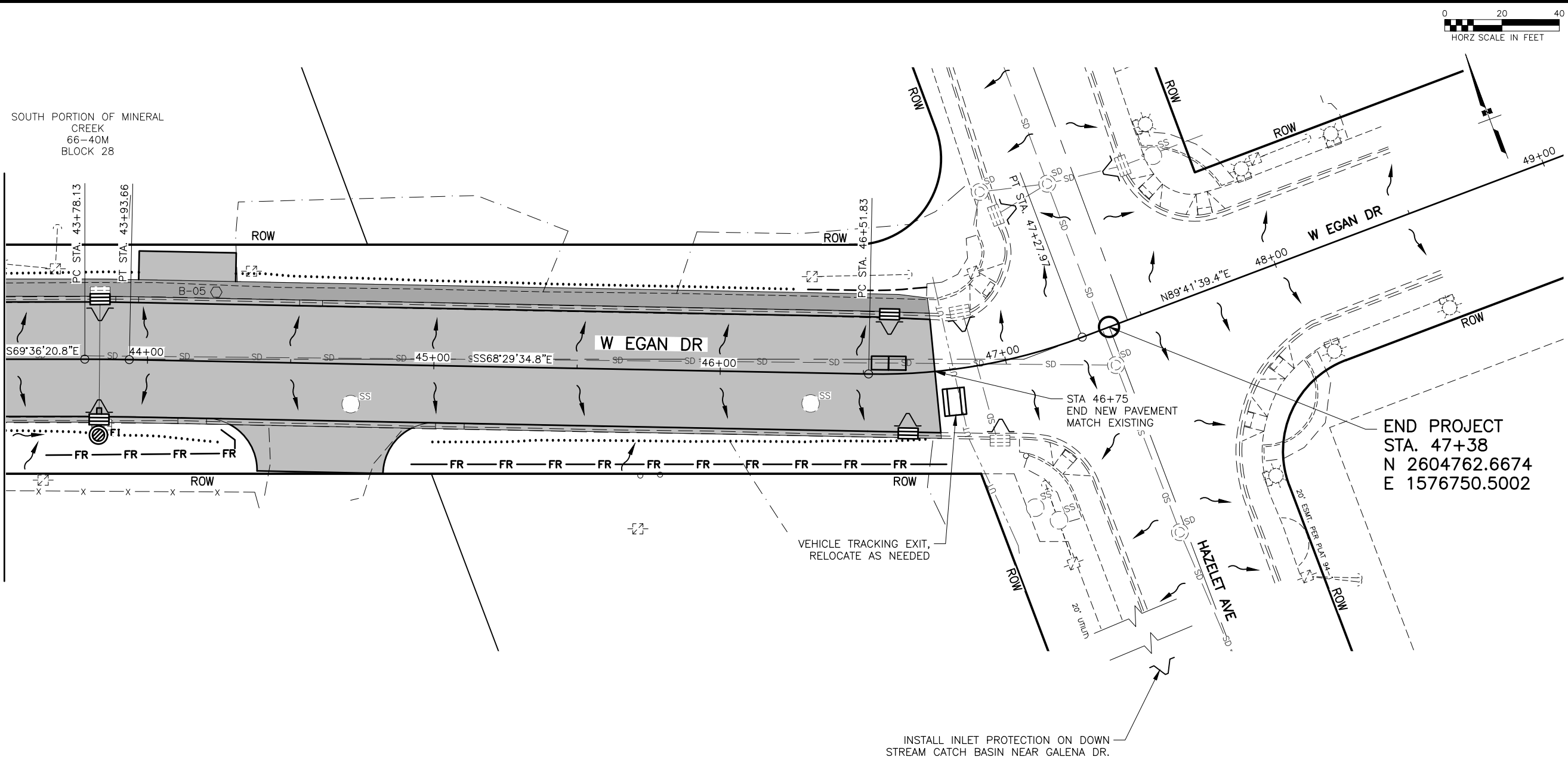
ESCP
STA 33+60 TO STA 43+50

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DESIGNED CHECKED DRAFTED

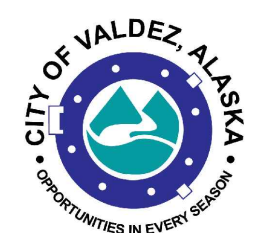
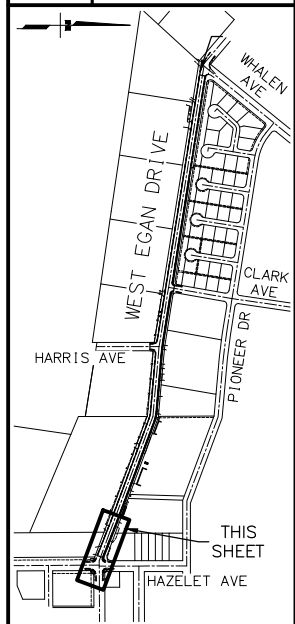
MATCH LINE 43+50
SEE SHEET Q5



SHEET NO.	TOTAL SHEETS
Q6	Q6
STATE	YEAR
ALASKA	2020

PROJECT DESIGNATION
19-310-110

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



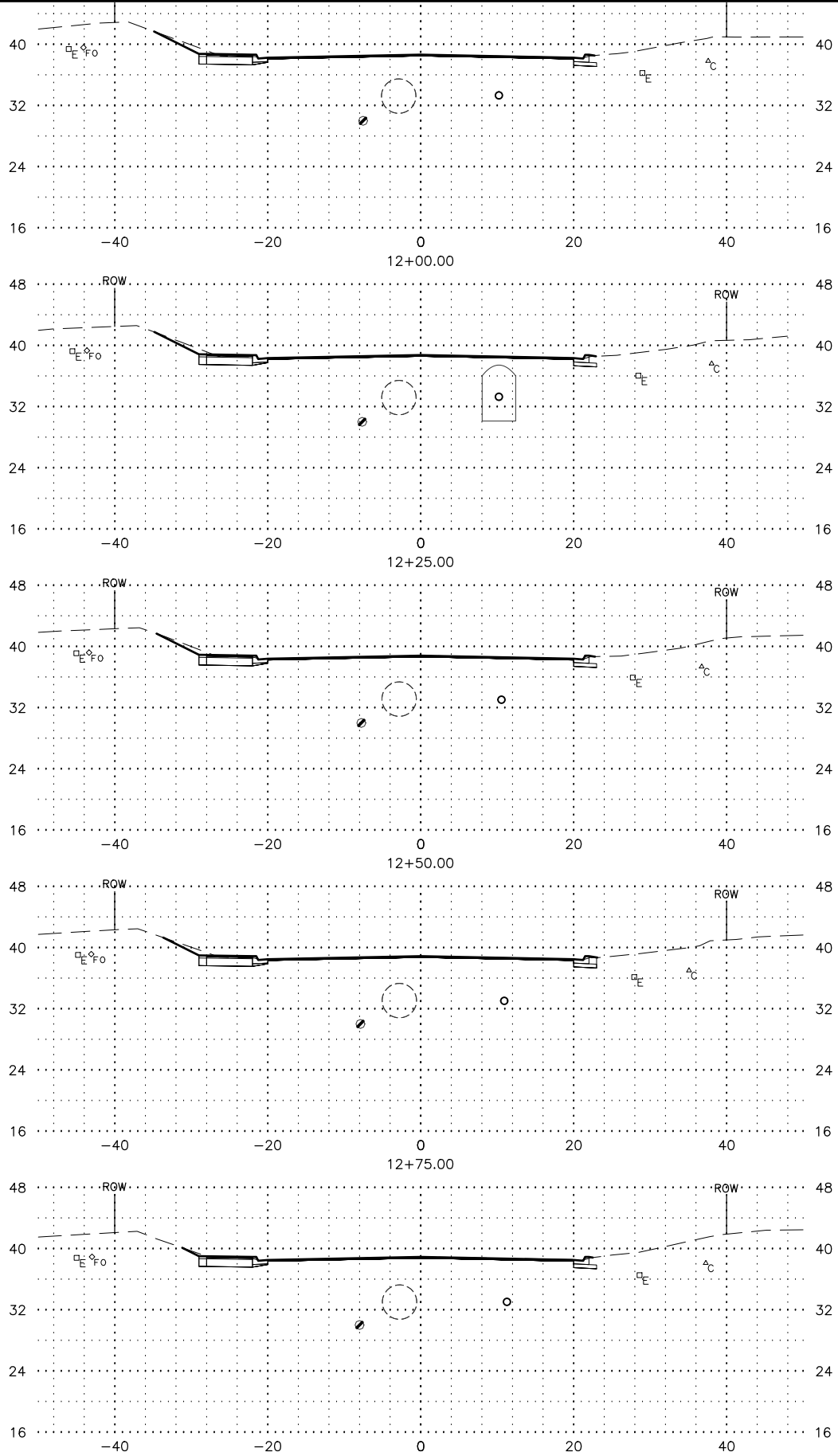
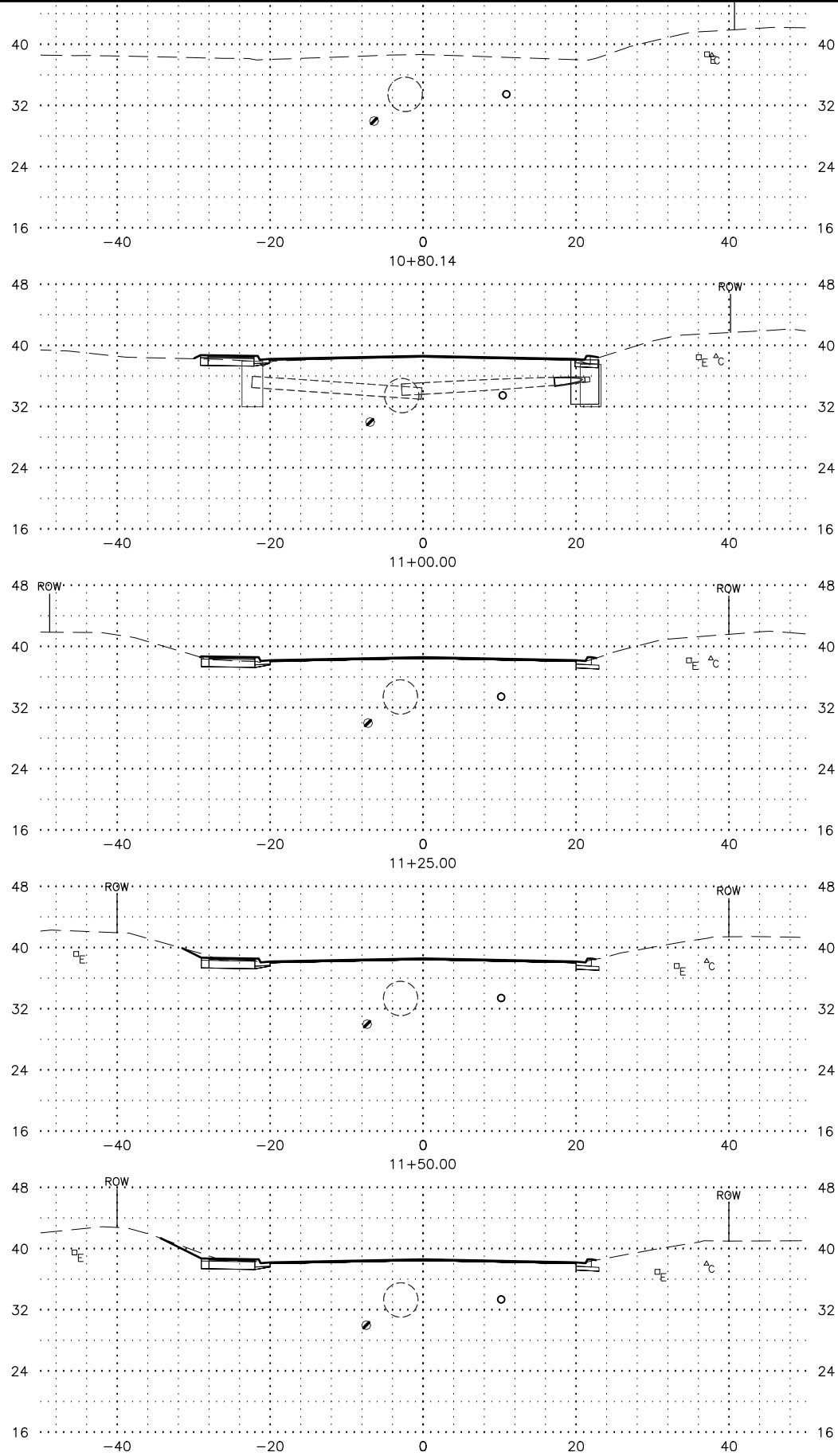
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PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, AK 99503
(907) 346-2373
CERT. OF AUTH. NO. AECL 1102



CITY OF VALDEZ
PAVEMENT MANAGEMENT
WEST EGAN DRIVE

ESCP
STA 43+50 TO EOP

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SHEET NO.	TOTAL SHEETS
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STATE	YEAR
ALASKA	2020
PROJECT DESIGNATION	
19-310-110	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

UTILITY LEGEND

EX. FIBER OPTIC ASSUMED ELEVATION

EX. CABLE ASSUMED ELEVATION

EX. TELEPHONE ASSUMED ELEVATION

EX. ELECTRIC ASSUMED ELEVATION

EX. GAS ASSUMED ELEVATION

EX. WATER

EX. SEWER

EX. SD

PROPOSED SD

ALL UTILITY ELEVATIONS ARE APPROXIMATE

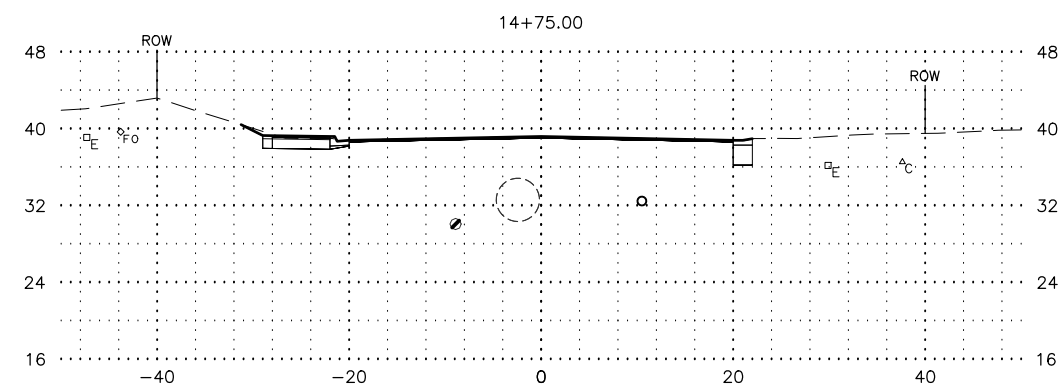
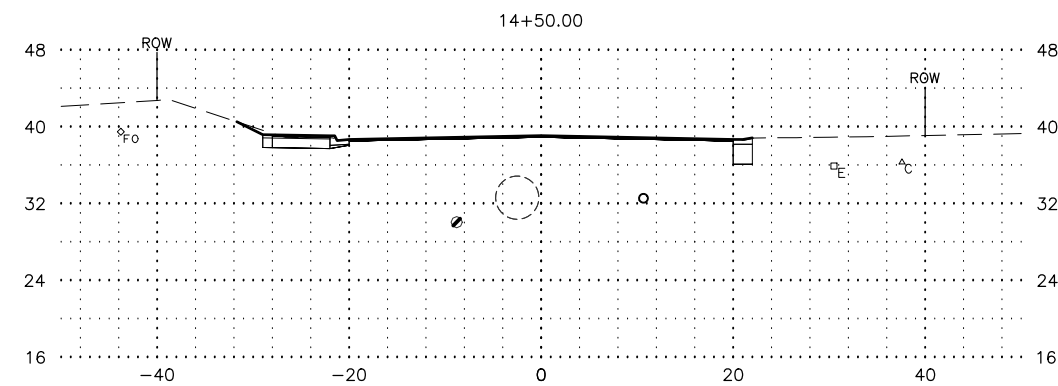
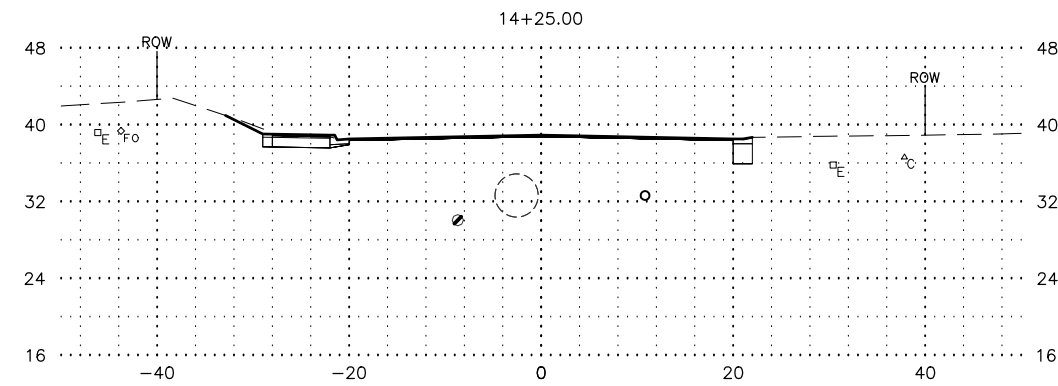
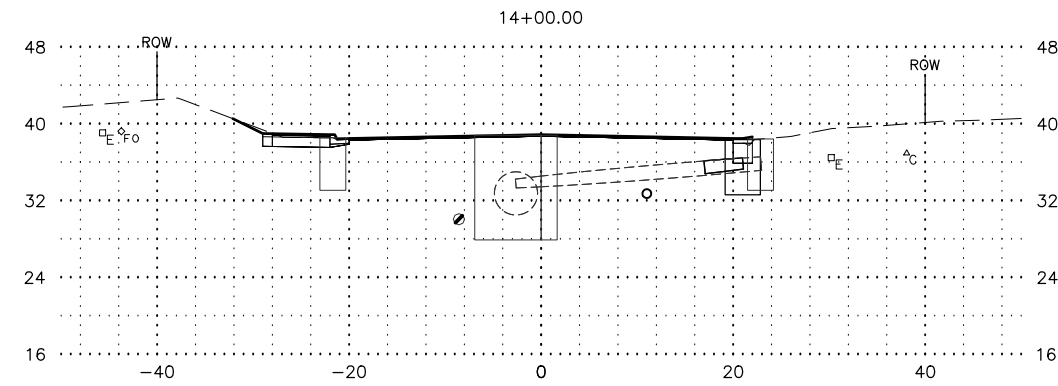
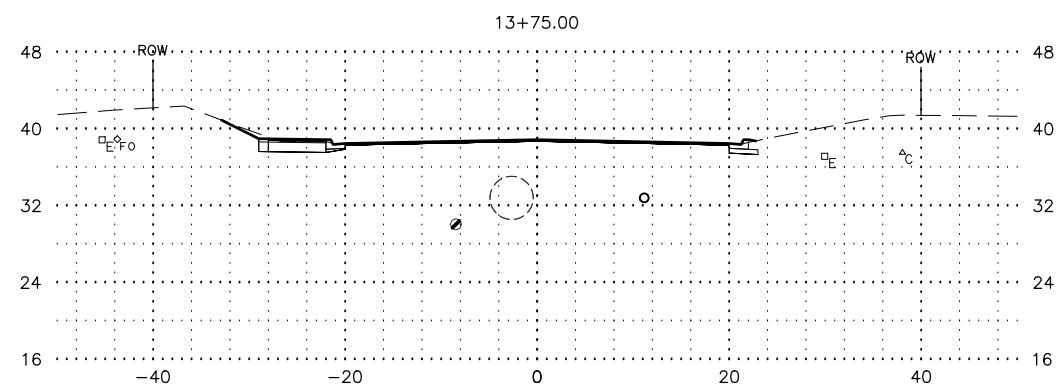
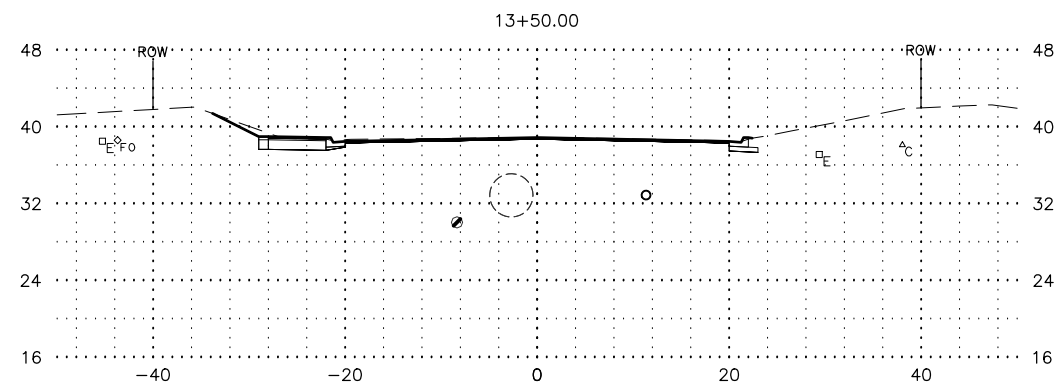
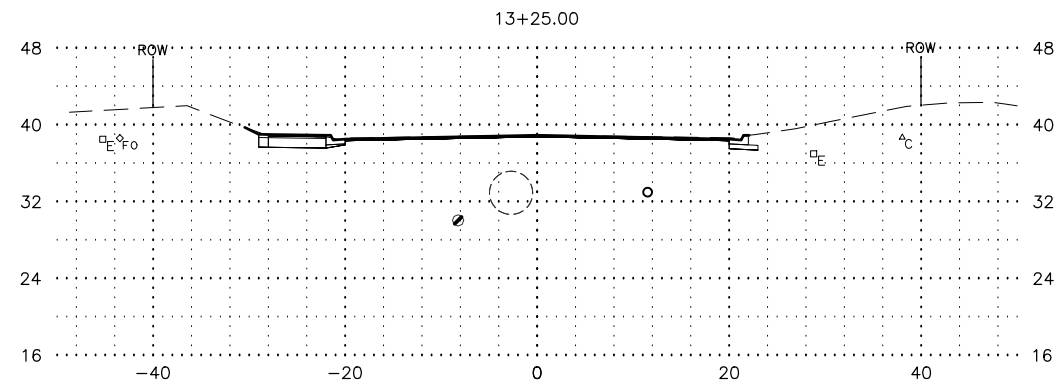
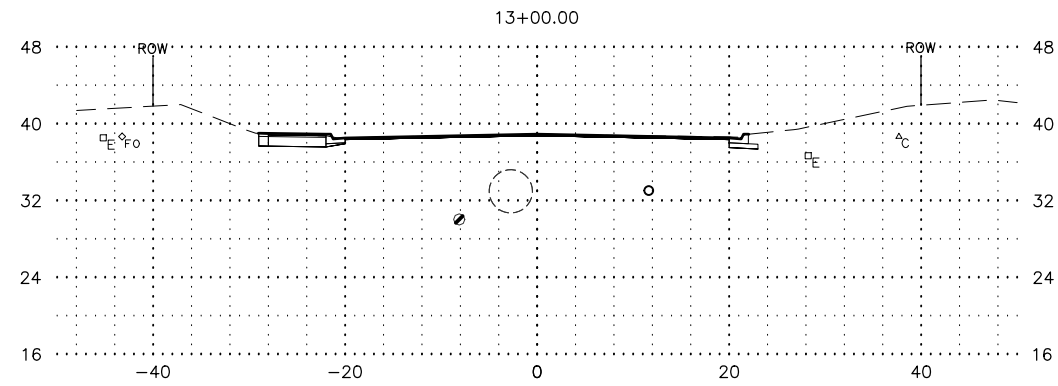
PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, AK 99503
(907) 346-2373
CERT. OF AUTH. NO. AECL 1102

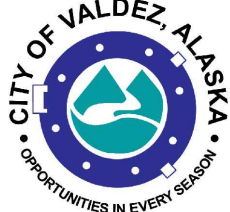
KINNEY
ENGINEERING, LLC

CITY OF VALDEZ
PAVEMENT MANAGEMENT
WEST EGAN DRIVE

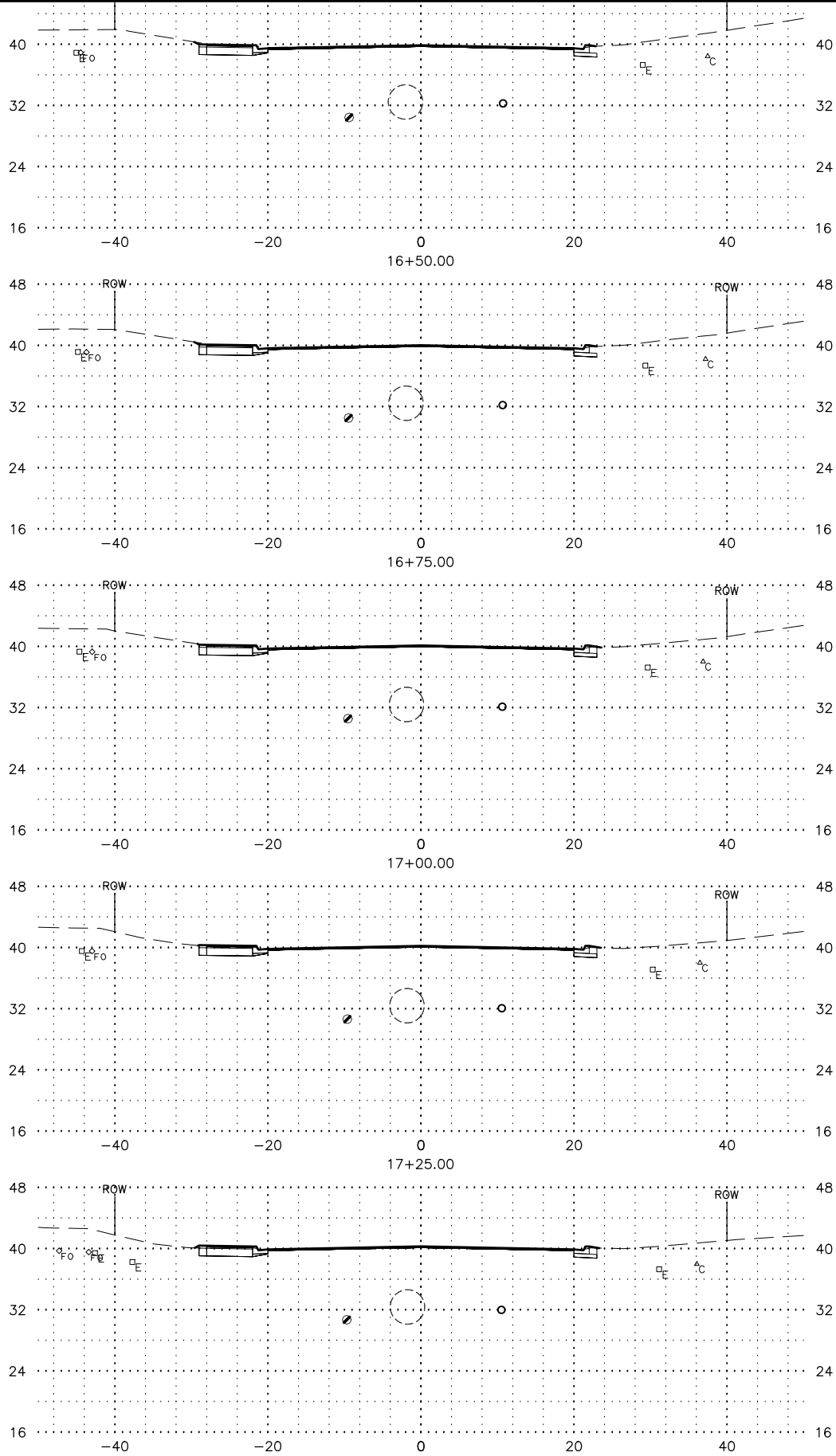
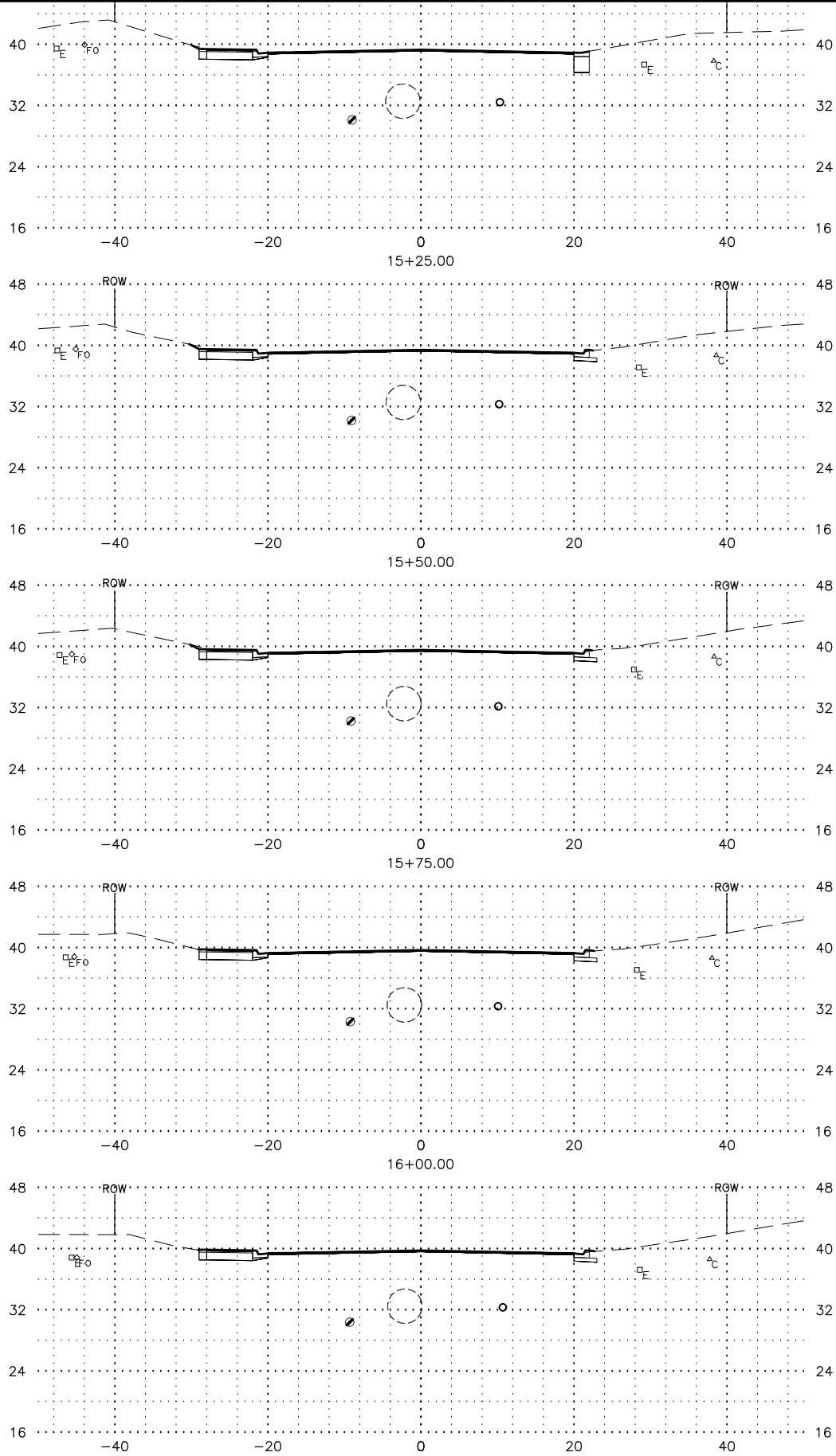
CROSS SECTIONS

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STATE	YEAR
ALASKA	2020
PROJECT DESIGNATION	
19-310-110	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
UTILITY LEGEND	
F0	EX. FIBER OPTIC ASSUMED ELEVATION
C	EX. CABLE ASSUMED ELEVATION
T	EX. TELEPHONE ASSUMED ELEVATION
E	EX. ELECTRIC ASSUMED ELEVATION
G	EX. GAS ASSUMED ELEVATION
W	EX. WATER
S	EX. SEWER
SD	EX. SD
SD	PROPOSED SD
ALL UTILITY ELEVATIONS ARE APPROXIMATE	
	
PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 ARCTIC BLVD, SUITE 400 ANCHORAGE, AK 99503 (907) 346-2373 CERT. OF AUTH. NO. AECL 1102	
	
CITY OF VALDEZ PAVEMENT MANAGEMENT WEST EGAN DRIVE	
CROSS SECTIONS	

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SHEET NO.	TOTAL SHEETS
X3	X22
STATE	YEAR
ALASKA	2020
PROJECT DESIGNATION	
19-310-110	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

UTILITY LEGEND

- Fo EX. FIBER OPTIC ASSUMED ELEVATION
- C EX. CABLE ASSUMED ELEVATION
- T EX. TELEPHONE ASSUMED ELEVATION
- E EX. ELECTRIC ASSUMED ELEVATION
- G EX. GAS ASSUMED ELEVATION
- W EX. WATER
- S EX. SEWER
- SD EX. SD
- PROPOSED SD

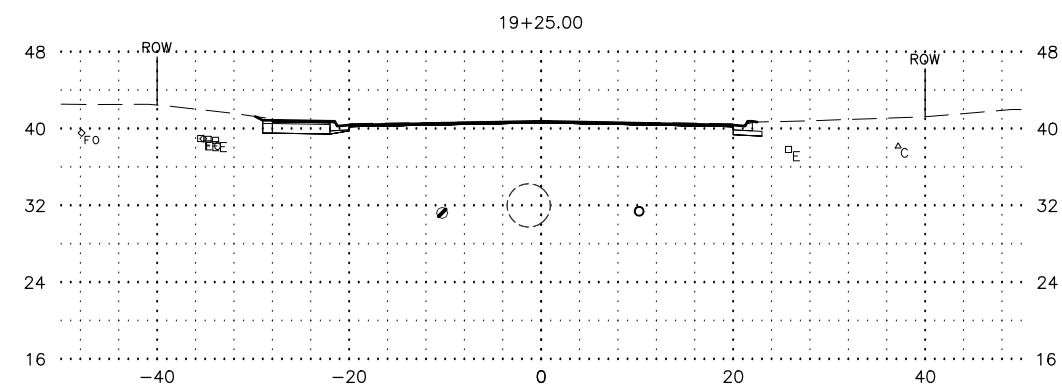
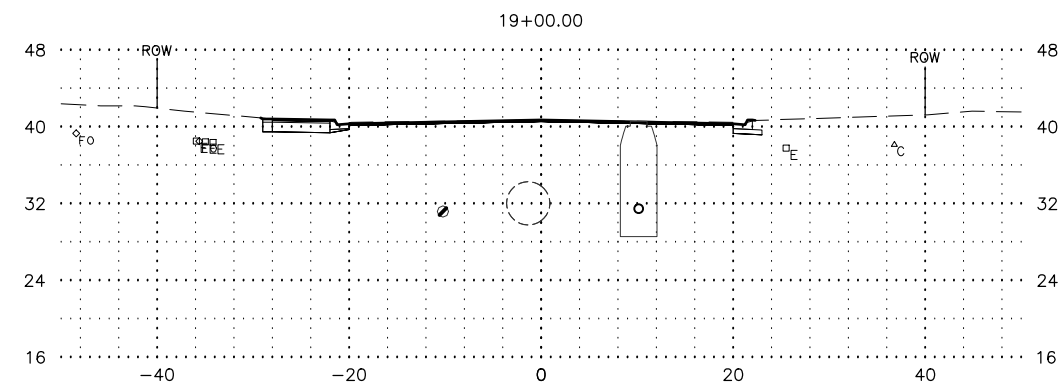
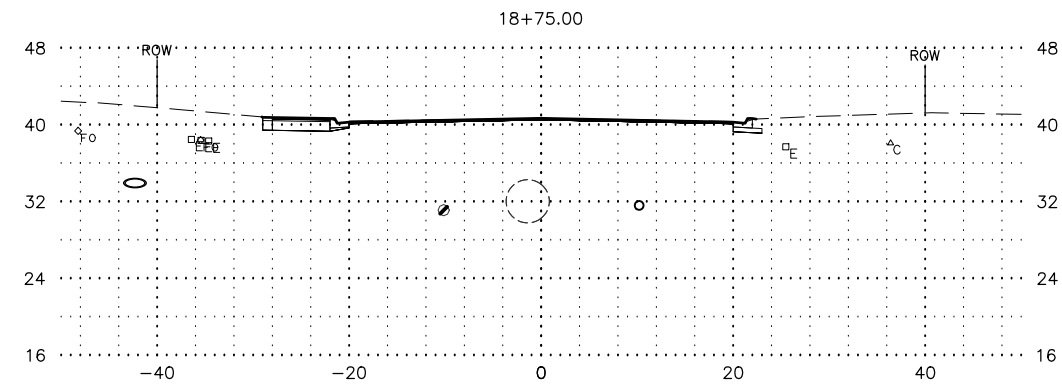
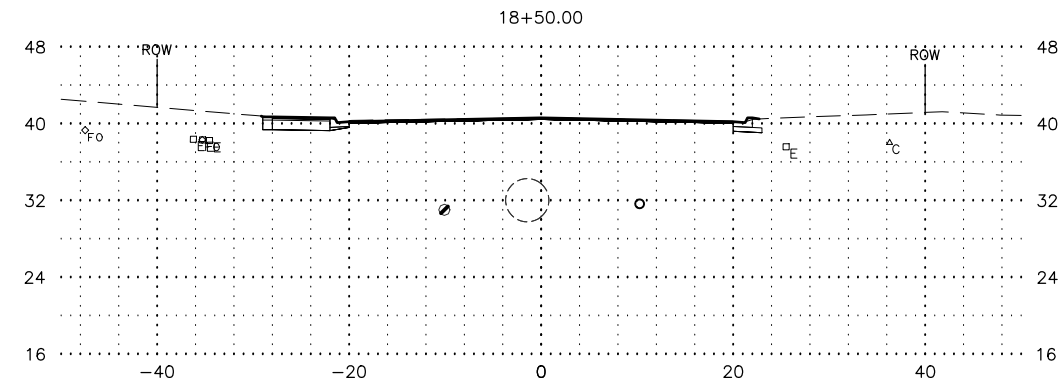
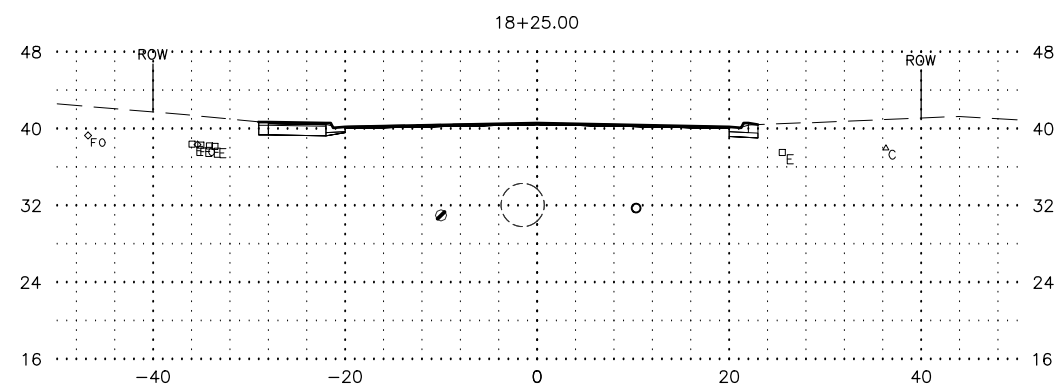
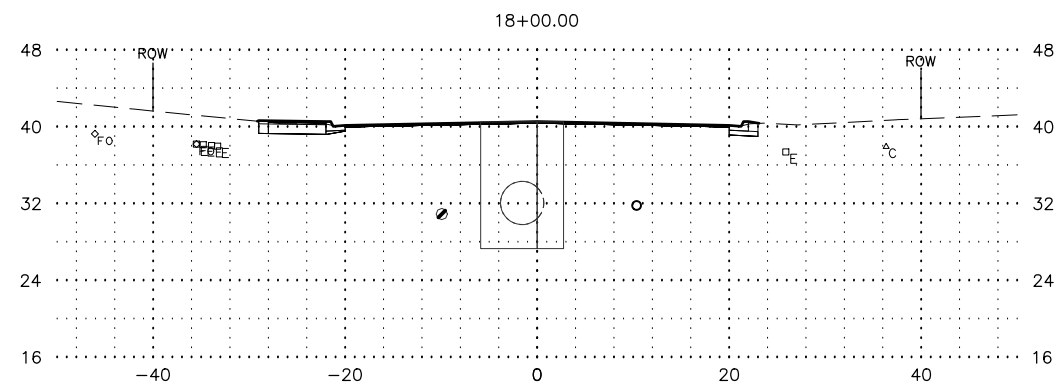
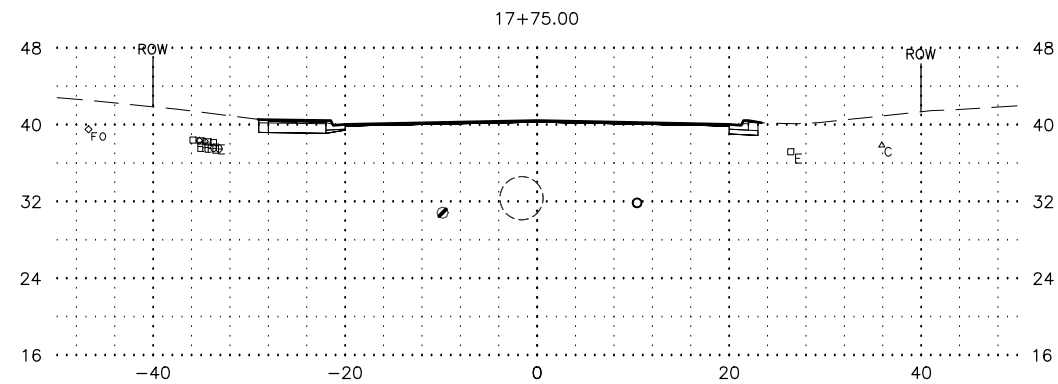
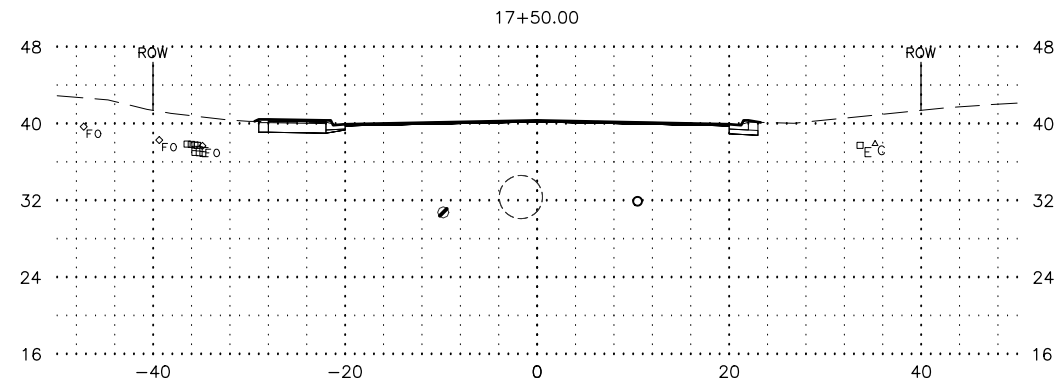
ALL UTILITY ELEVATIONS ARE APPROXIMATE

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, AK 99503
(907) 346-2373
CERT. OF AUTH. NO. AECL 1102

CITY OF VALDEZ
PAVEMENT MANAGEMENT
WEST EGAN DRIVE

CROSS SECTIONS

FILE [Z:\PROJECTS\00581 VALDEZ DESIGN SERVICES\DWGS\C-EG\SHEETS\SECTIONS\00581 EG - SECTIONS.DWG] DATE/TIME 3/2/2020 5:33 PM [LAYOUT] X4 [DESIGNED] [CHECKED] [DRAFTED]



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X4	X22
STATE	YEAR
ALASKA	2020
PROJECT DESIGNATION	
19-310-110	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

UTILITY LEGEND

EX. FIBER OPTIC ASSUMED ELEVATION
EX. CABLE ASSUMED ELEVATION
EX. TELEPHONE ASSUMED ELEVATION
EX. ELECTRIC ASSUMED ELEVATION
EX. GAS ASSUMED ELEVATION
EX. WATER
EX. SEWER
EX. SD
PROPOSED SD

ALL UTILITY ELEVATIONS ARE APPROXIMATE

CITY OF VALDEZ, ALASKA
OPPORTUNITIES IN EVERY SEASON

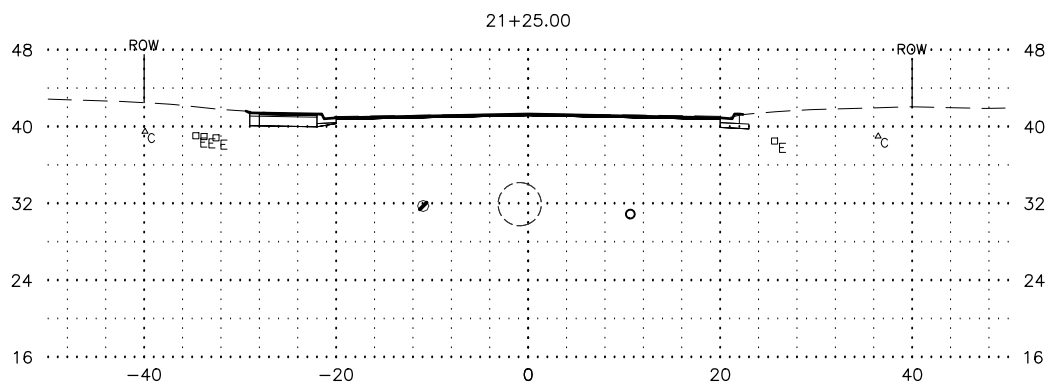
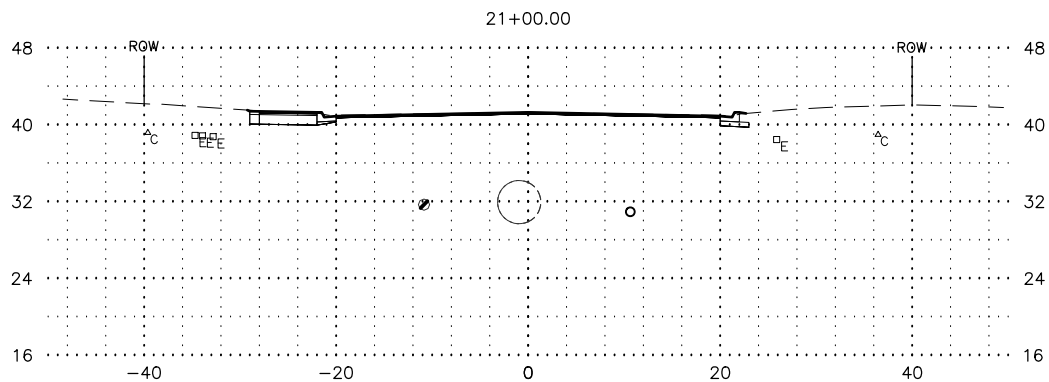
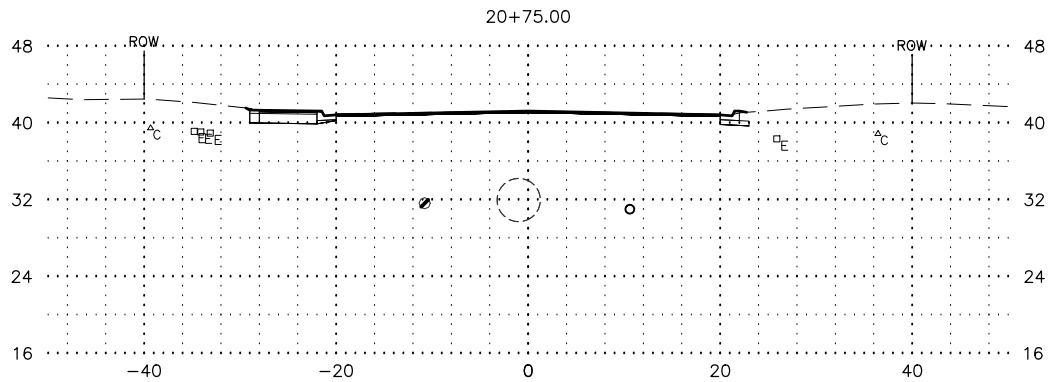
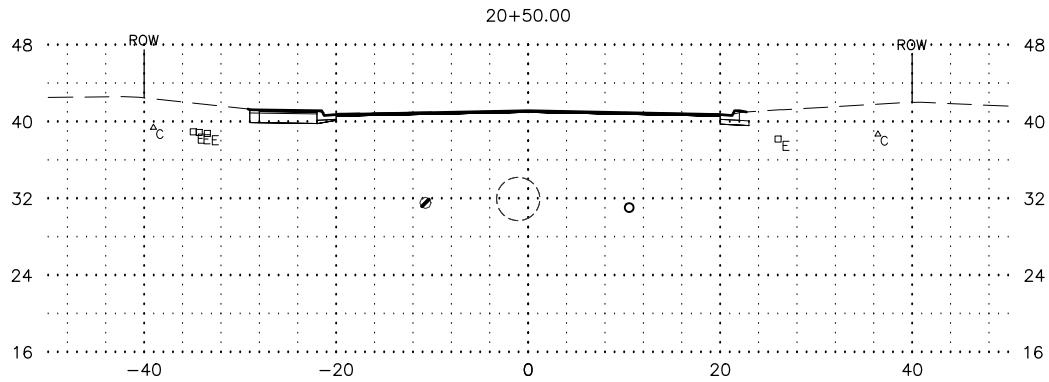
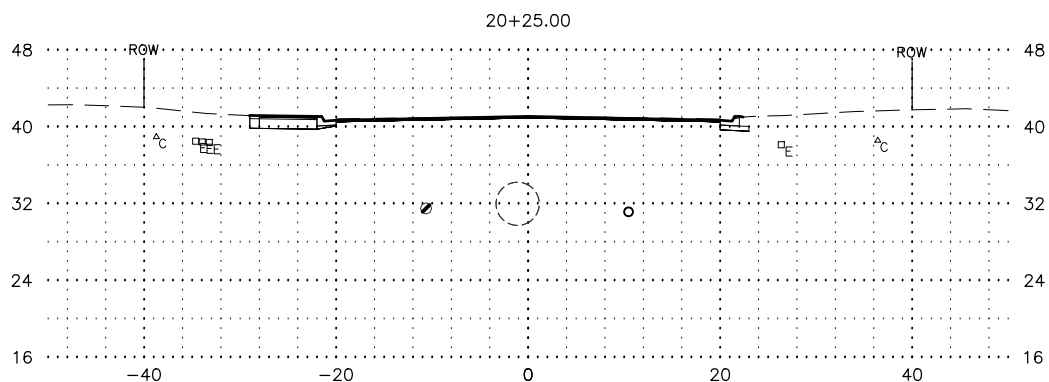
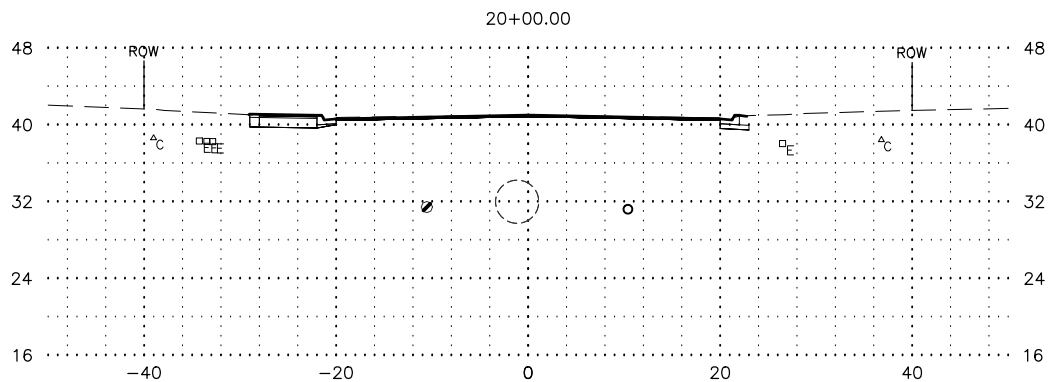
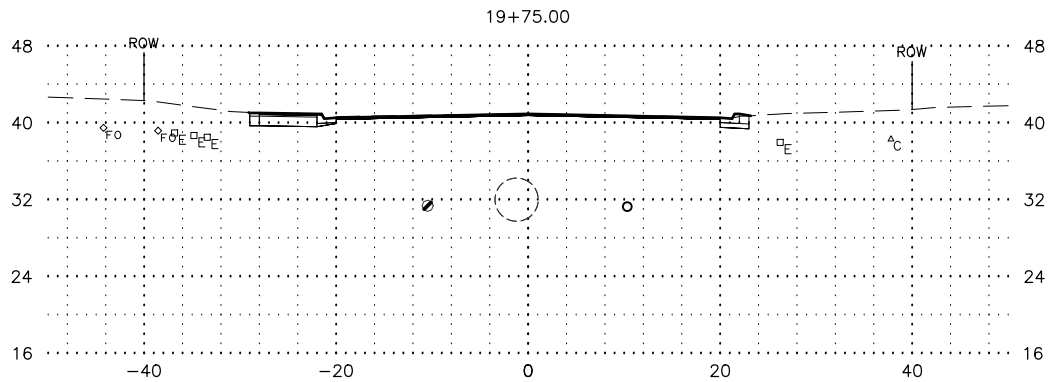
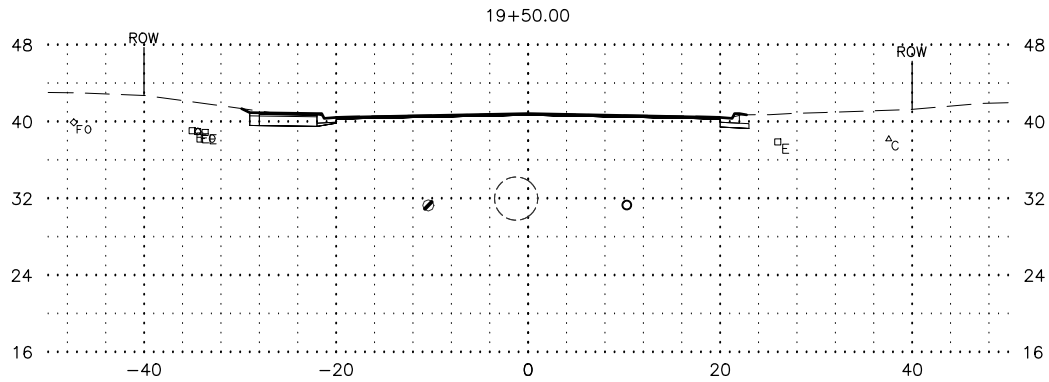
PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, AK 99503
(907) 346-2373
CERT. OF AUTH. NO. AECL 1102

KINNEY ENGINEERING, LLC

CITY OF VALDEZ
PAVEMENT MANAGEMENT
WEST EGAN DRIVE

CROSS SECTIONS

FILE [Z:\PROJECTS\00581 VALDEZ DESIGN SERVICES\DWGS\C-EG\SHEETS\SECTIONS\00581 EG - SECTIONS.DWG] DATE/TIME 3/2/2020 5:33 PM [LAYOUT] X5 DESIGNED CHECKED DRAFTED



SHEET NO.	TOTAL SHEETS
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STATE	YEAR
ALASKA	2020
PROJECT DESIGNATION	
19-310-110	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

UTILITY LEGEND

EX. FIBER OPTIC ASSUMED ELEVATION

EX. CABLE ASSUMED ELEVATION

EX. TELEPHONE ASSUMED ELEVATION

EX. ELECTRIC ASSUMED ELEVATION

EX. GAS ASSUMED ELEVATION

EX. WATER

EX. SEWER

EX. SD

PROPOSED SD

ALL UTILITY ELEVATIONS ARE APPROXIMATE

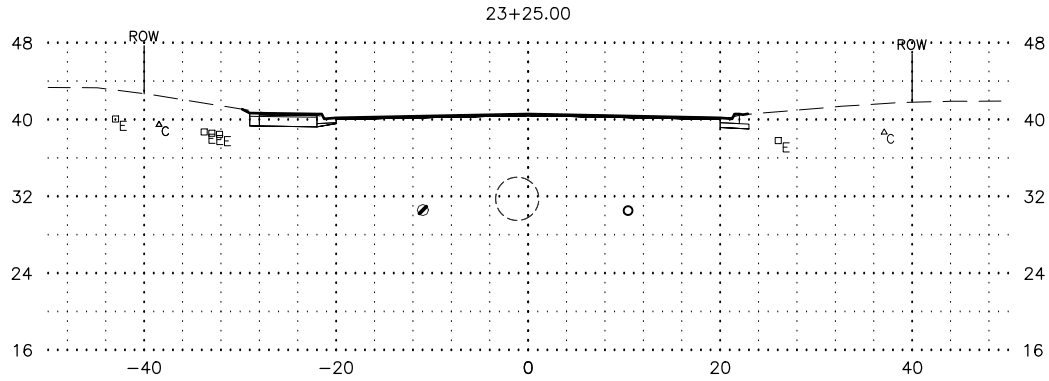
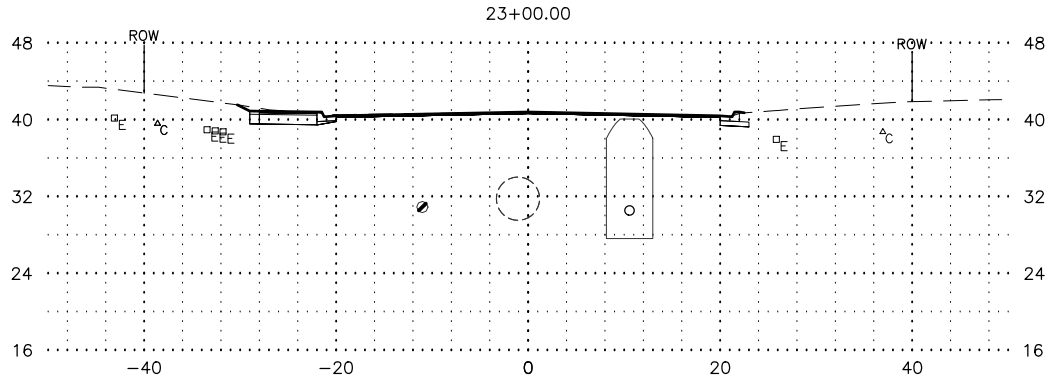
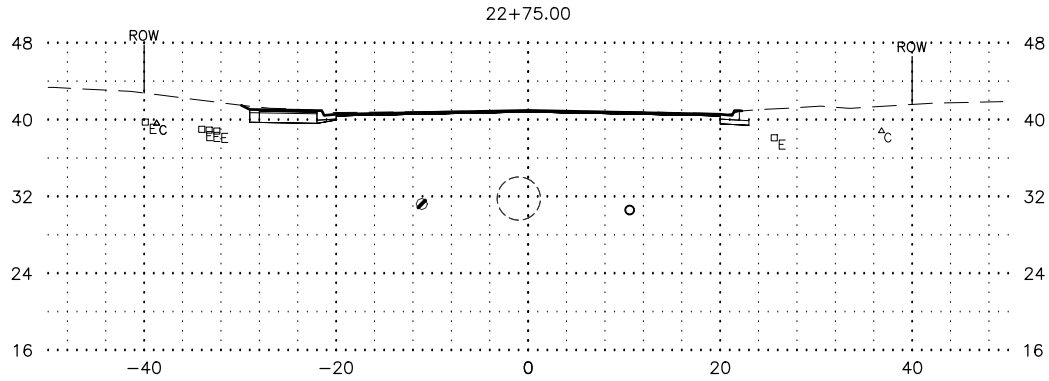
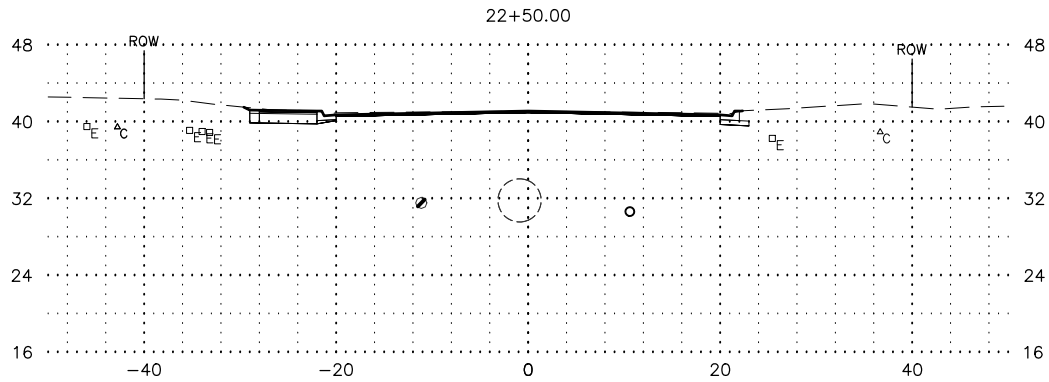
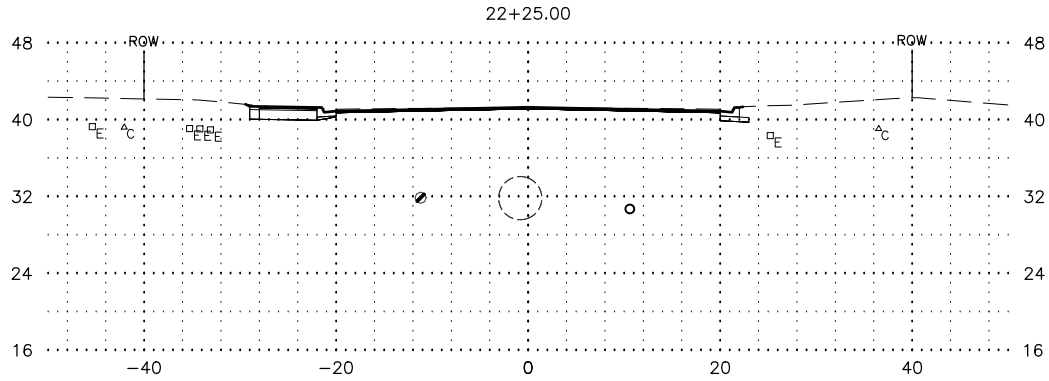
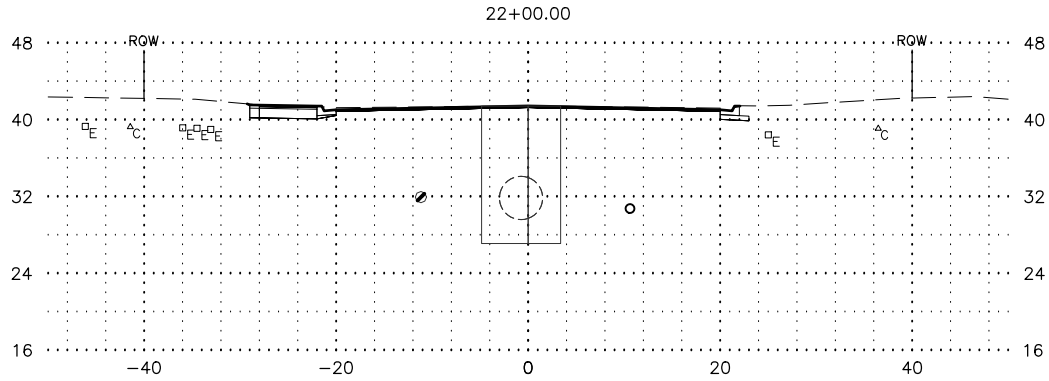
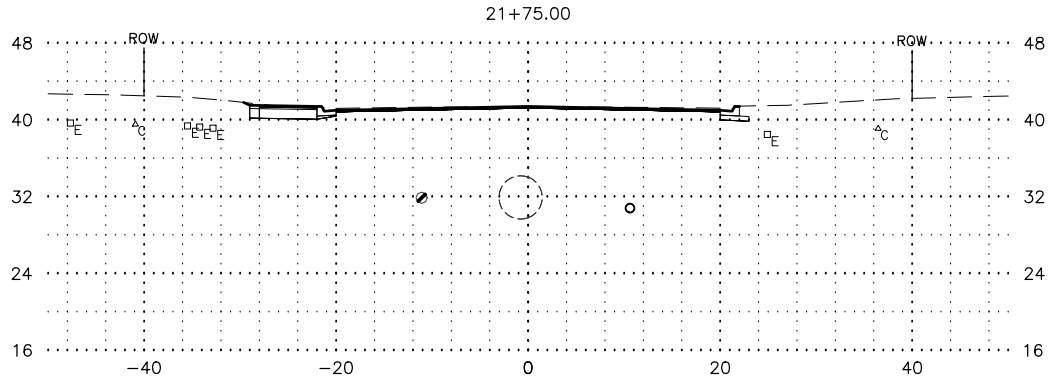
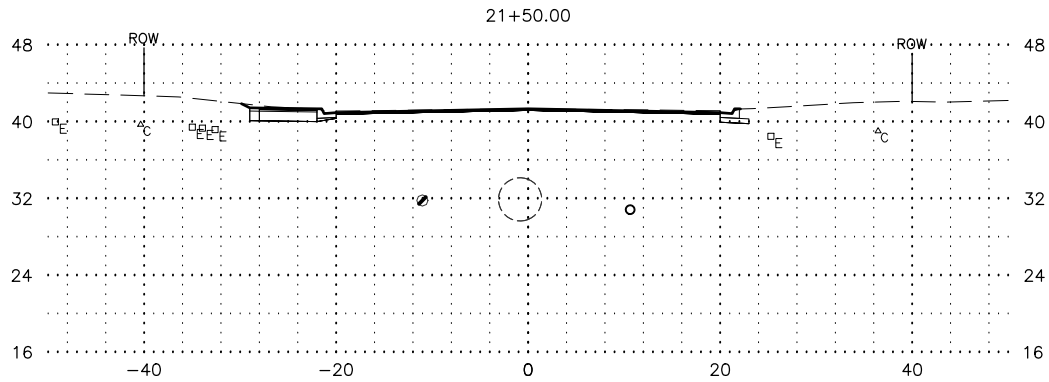
CITY OF VALDEZ, ALASKA
OPPORTUNITIES IN EVERY SEASON

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, AK 99503
(907) 346-2373
CERT. OF AUTH. NO. AECL 1102

CITY OF VALDEZ
PAVEMENT MANAGEMENT
WEST EGAN DRIVE

CROSS SECTIONS

FILE [Z:\PROJECTS\00581 VALDEZ DESIGN SERVICES\DWGS\C-EG\SHEETS\SECTIONS\00581 EG - SECTIONS.DWG] DATE/TIME 3/2/2020 5:33 PM [LAYOUT] X6 [DESIGNED] [CHECKED] [DRAFTED]



SHEET NO.	TOTAL SHEETS
X6	X22
STATE	YEAR
ALASKA	2020
PROJECT DESIGNATION	
19-310-110	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

UTILITY LEGEND	
EX. FIBER OPTIC ASSUMED ELEVATION	
EX. CABLE ASSUMED ELEVATION	
EX. TELEPHONE ASSUMED ELEVATION	
EX. ELECTRIC ASSUMED ELEVATION	
EX. GAS ASSUMED ELEVATION	
EX. WATER	
EX. SEWER	
EX. SD	
PROPOSED SD	

ALL UTILITY ELEVATIONS ARE APPROXIMATE



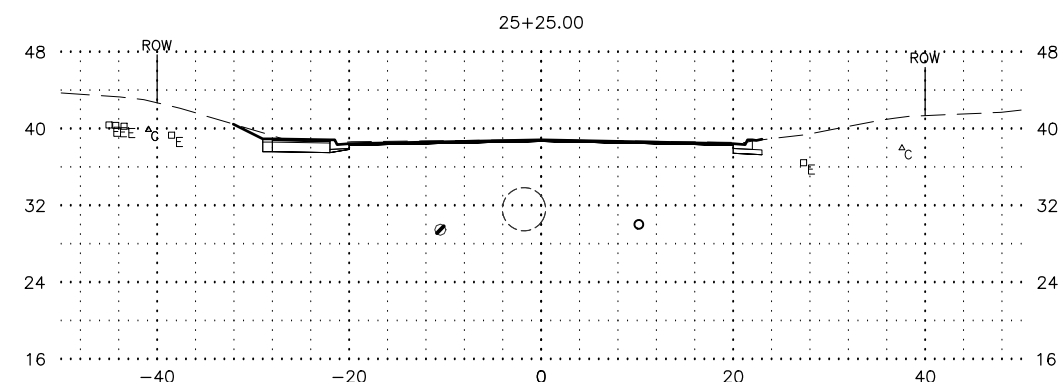
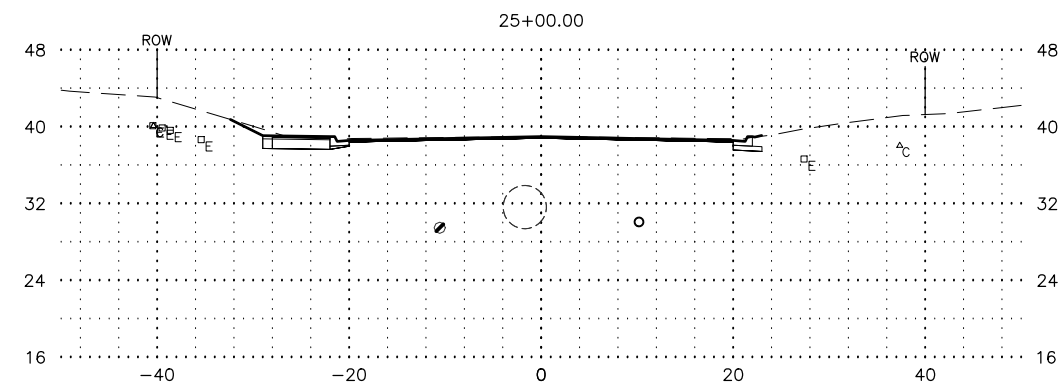
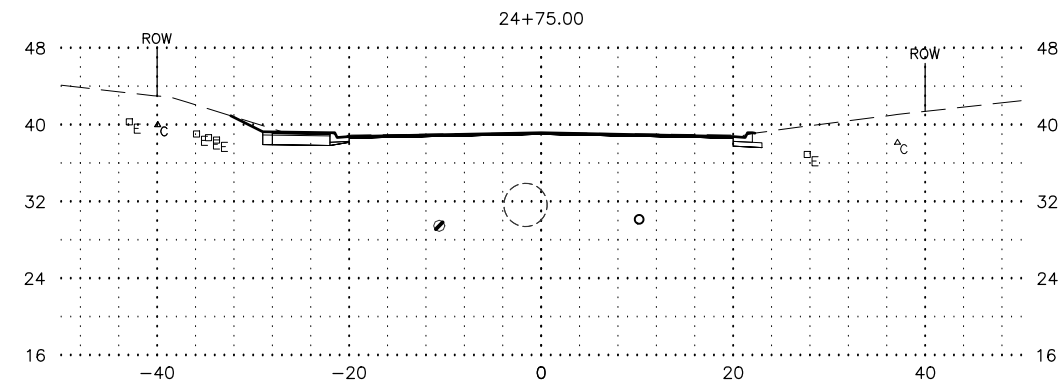
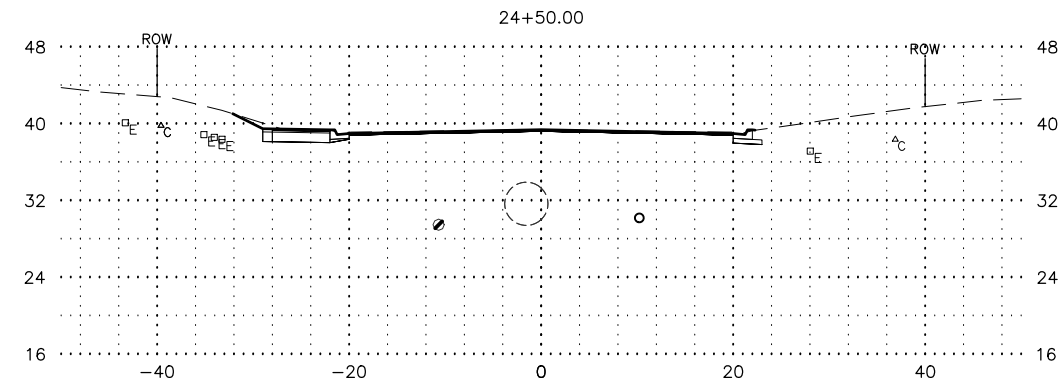
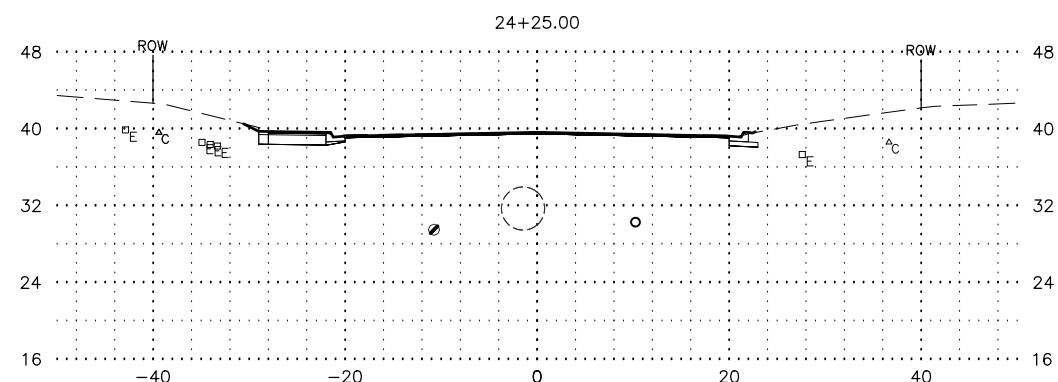
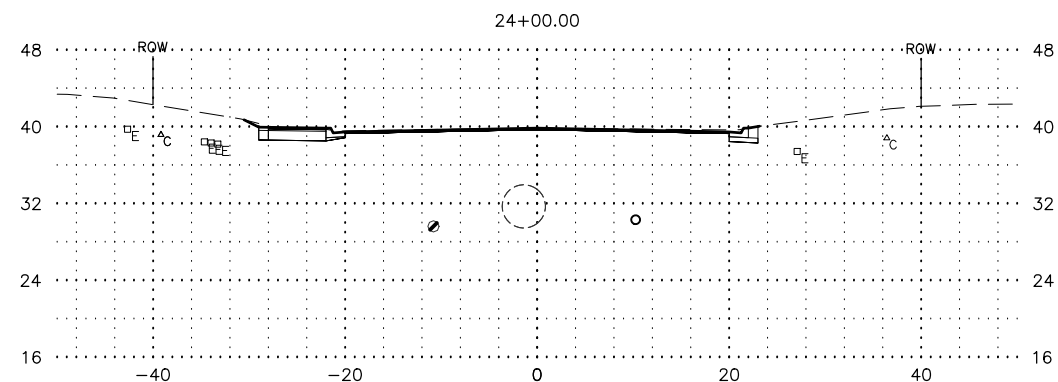
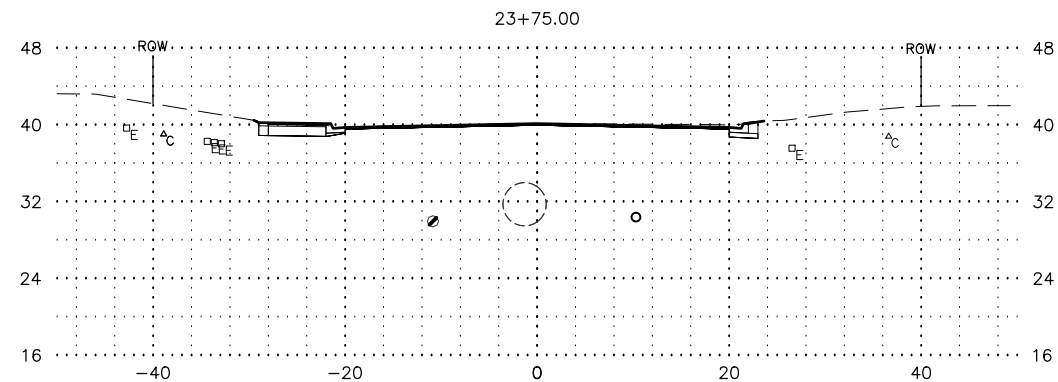
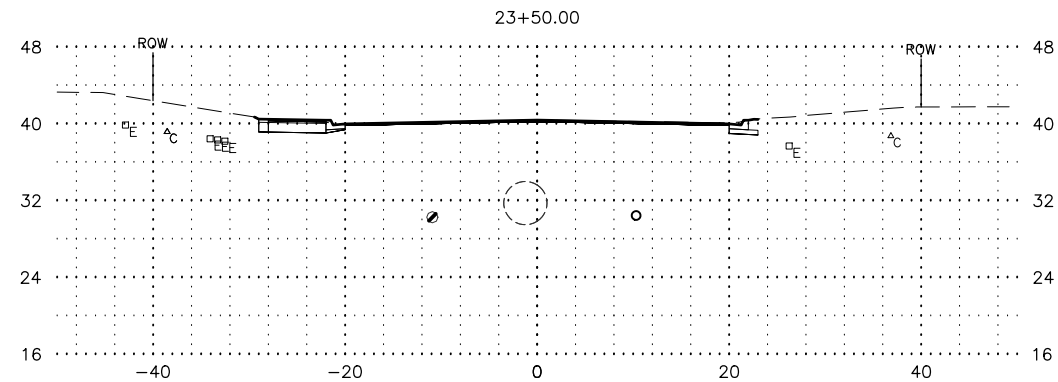
PLANS DEVELOPED BY:
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3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, AK 99503
(907) 346-2373
CERT. OF AUTH. NO. AECL 1102



CITY OF VALDEZ
PAVEMENT MANAGEMENT
WEST EGAN DRIVE

CROSS SECTIONS

FILE Z:\PROJECTS\00581 VALDEZ DESIGN SERVICES\DWGS\C-EG\SHEETS\SECTIONS\00581 EG - SECTIONS.DWG DATE/TIME 3/2/2020 5:33 PM X7 LAYOUT DESIGNED CHECKED DRAFTED



SHEET NO.	TOTAL SHEETS
X7	X22
STATE	YEAR
ALASKA	2020
PROJECT DESIGNATION	
19-310-110	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

UTILITY LEGEND

EX. FIBER OPTIC ASSUMED ELEVATION

EX. CABLE ASSUMED ELEVATION

EX. TELEPHONE ASSUMED ELEVATION

EX. ELECTRIC ASSUMED ELEVATION

EX. GAS ASSUMED ELEVATION

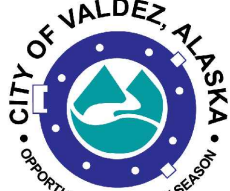
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EX. SEWER

EX. SD

PROPOSED SD

ALL UTILITY ELEVATIONS ARE APPROXIMATE



CITY OF VALDEZ, ALASKA
OPPORTUNITIES IN EVERY SEASON

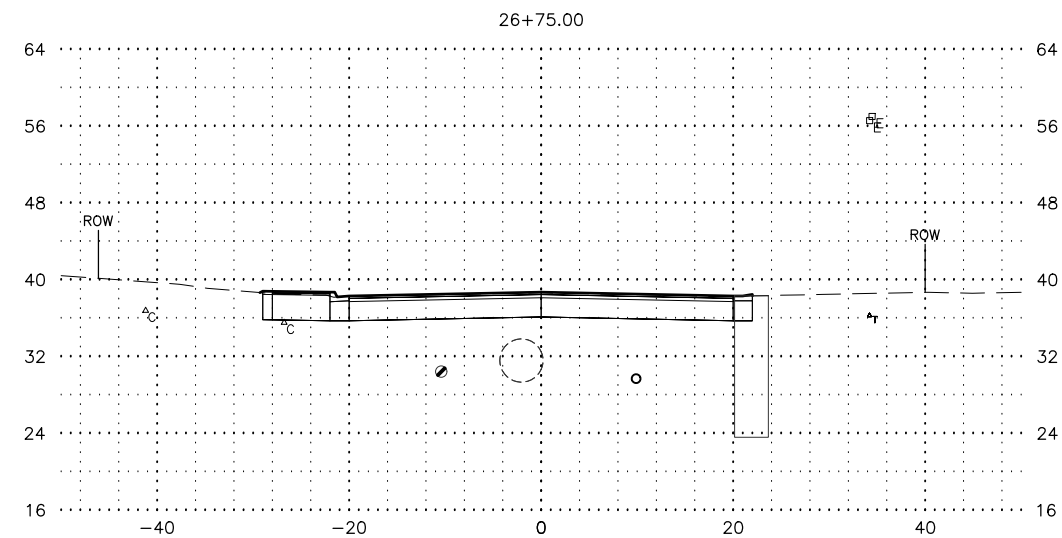
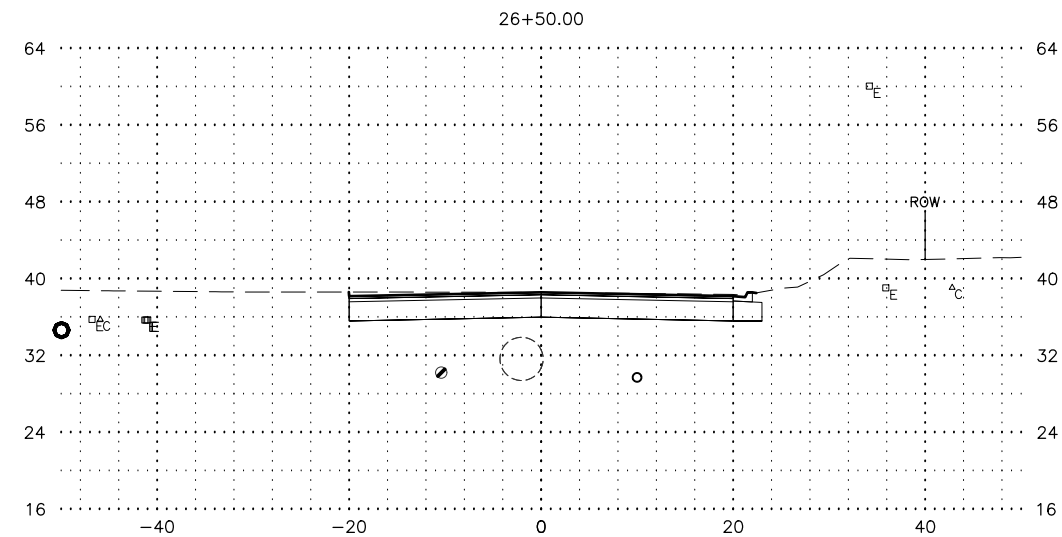
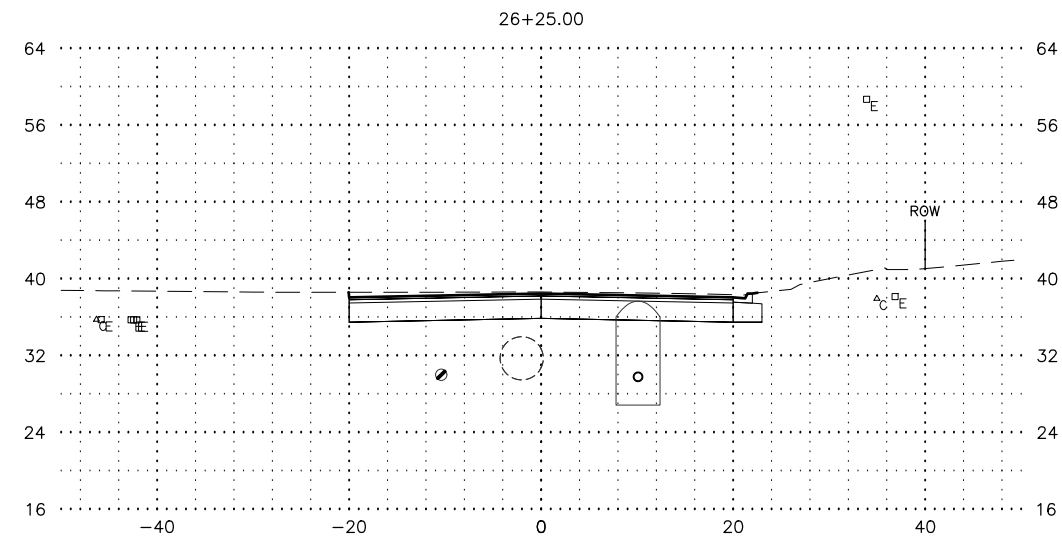
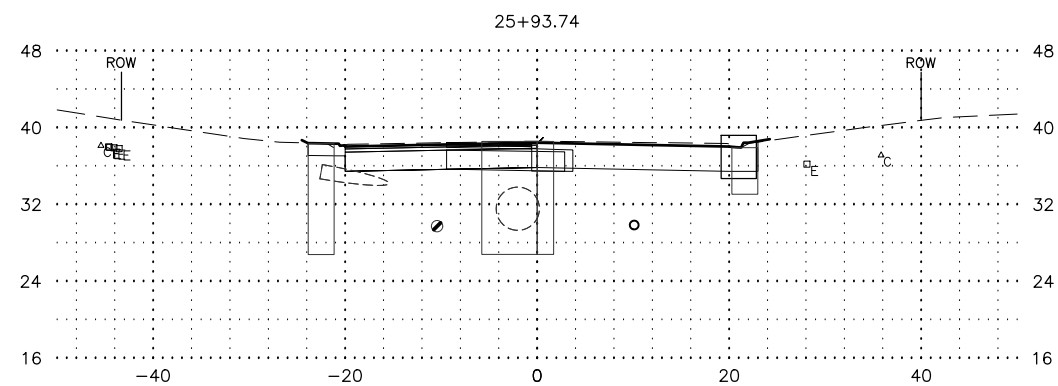
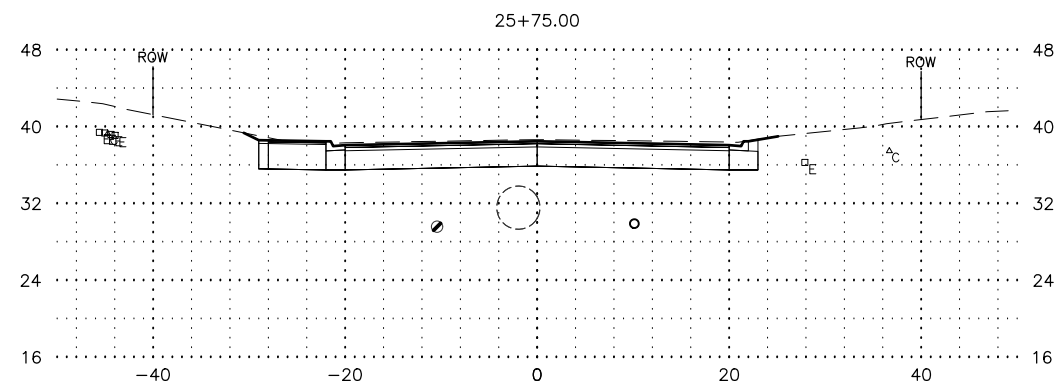
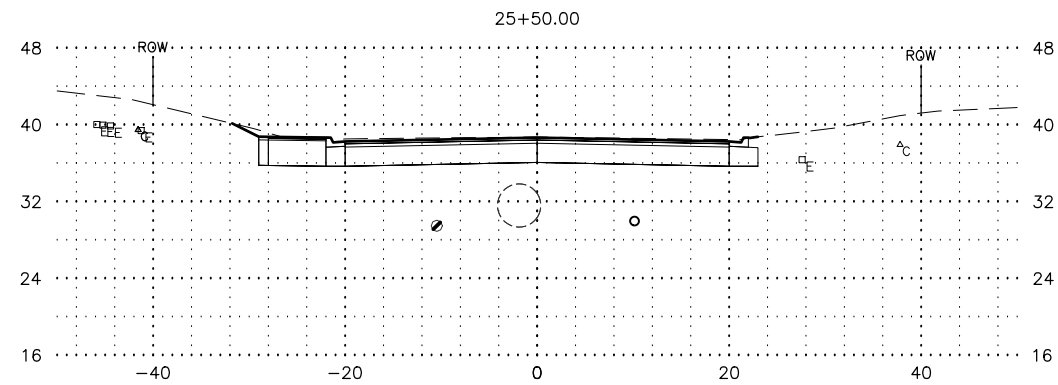
PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, AK 99503
(907) 346-2373
CERT. OF AUTH. NO. AECL 1102



CITY OF VALDEZ
PAVEMENT MANAGEMENT
WEST EGAN DRIVE

CROSS SECTIONS

FILE Z:\PROJECTS\00581 VALDEZ DESIGN SERVICES\DWGS\C-EG\SHEETS\SECTIONS\00581 EG - SECTIONS.DWG DATE/TIME 3/2/2020 5:34 PM LAYOUT X8 DESIGNED CHECKED DRAFTED

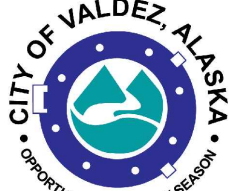


SHEET NO.	TOTAL SHEETS
X8	X22
STATE	YEAR
ALASKA	2020
PROJECT DESIGNATION	
19-310-110	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

UTILITY LEGEND

- EX. FIBER OPTIC ASSUMED ELEVATION
- EX. CABLE ASSUMED ELEVATION
- EX. TELEPHONE ASSUMED ELEVATION
- EX. ELECTRIC ASSUMED ELEVATION
- EX. GAS ASSUMED ELEVATION
- EX. WATER
- EX. SEWER
- EX. SD
- PROPOSED SD

ALL UTILITY ELEVATIONS ARE APPROXIMATE



CITY OF VALDEZ, ALASKA
OPPORTUNITIES IN EVERY SEASON

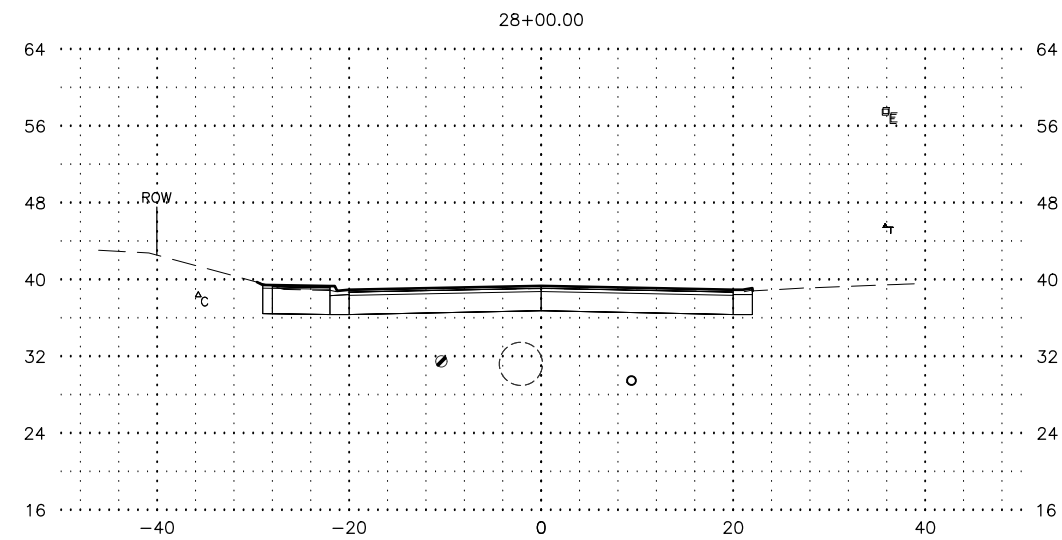
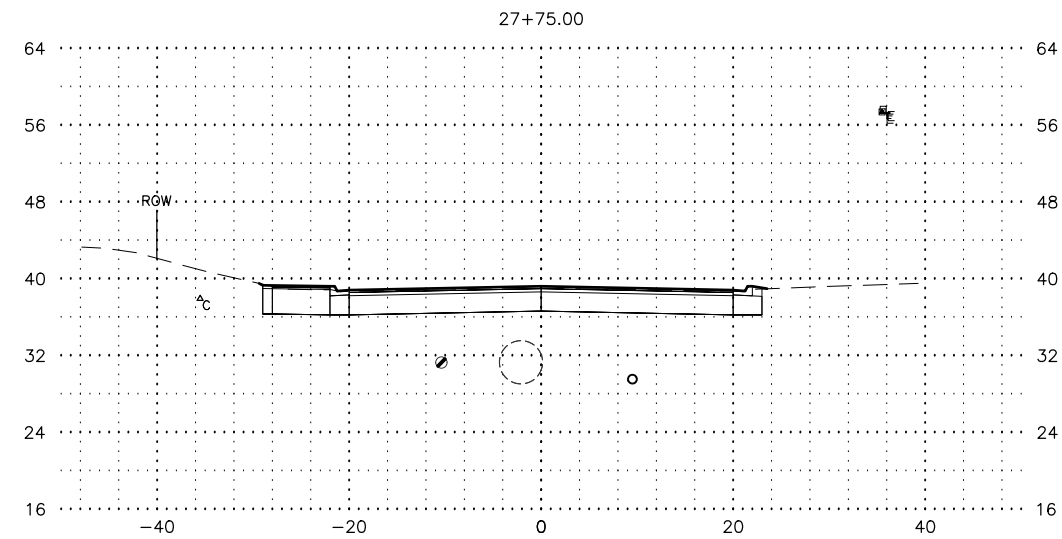
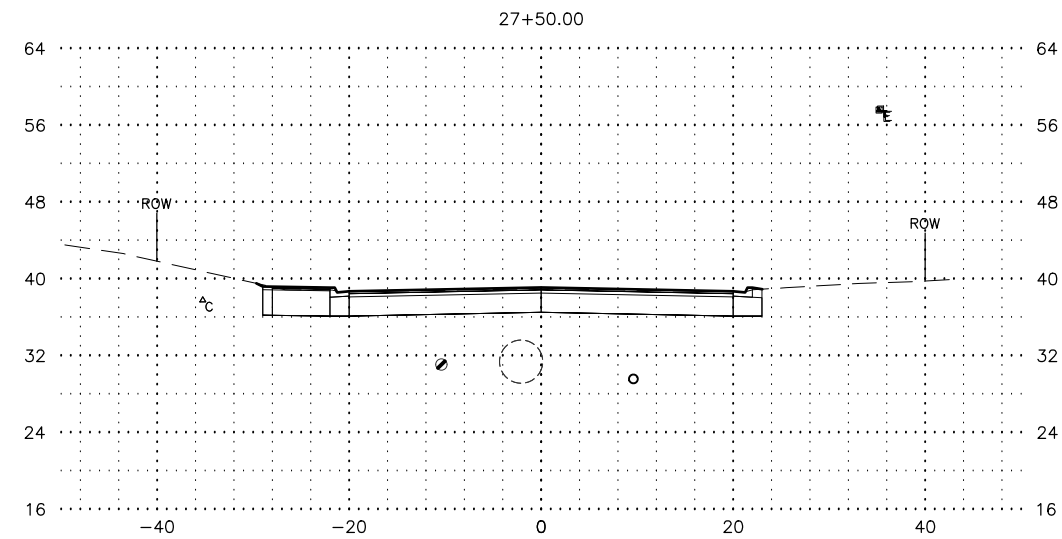
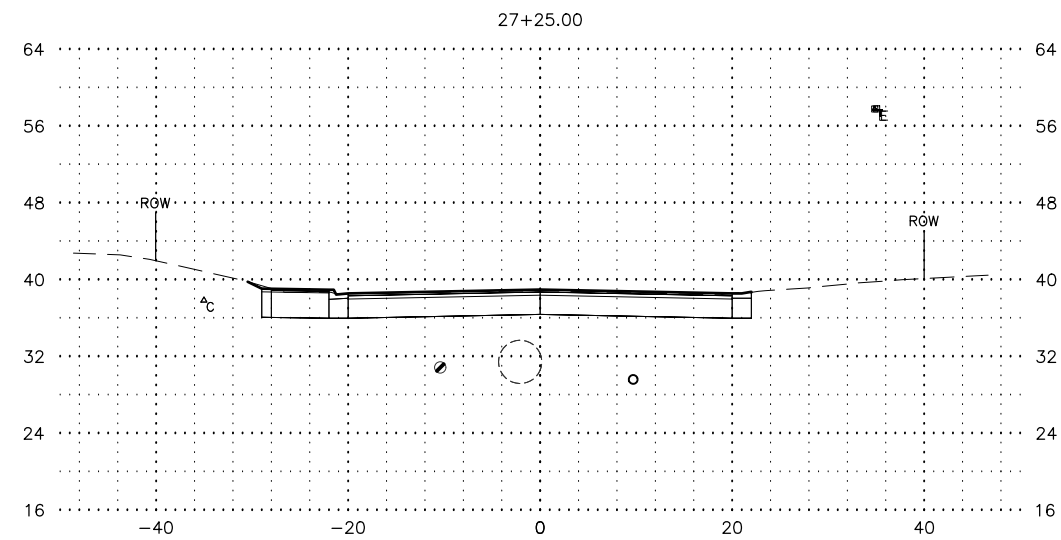
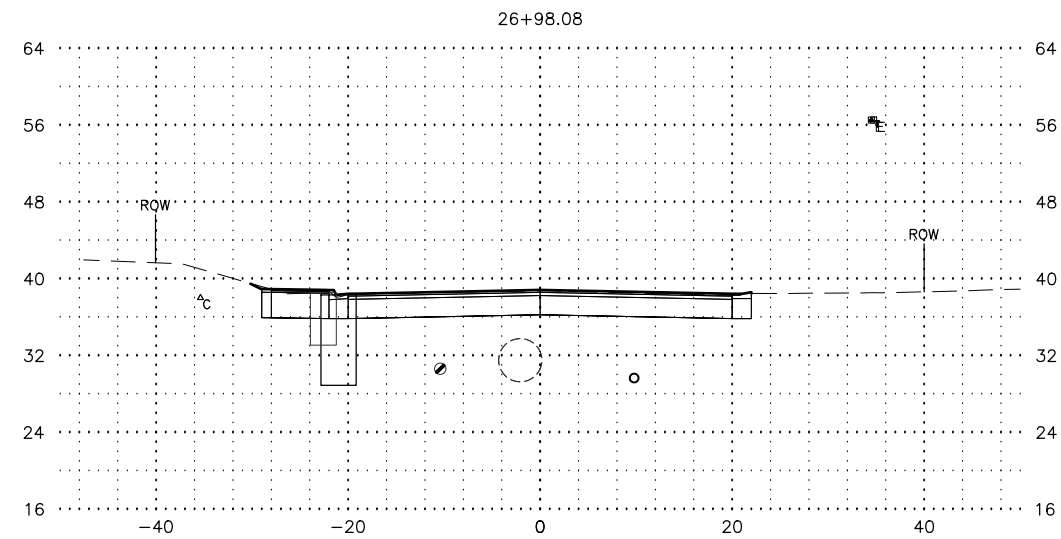
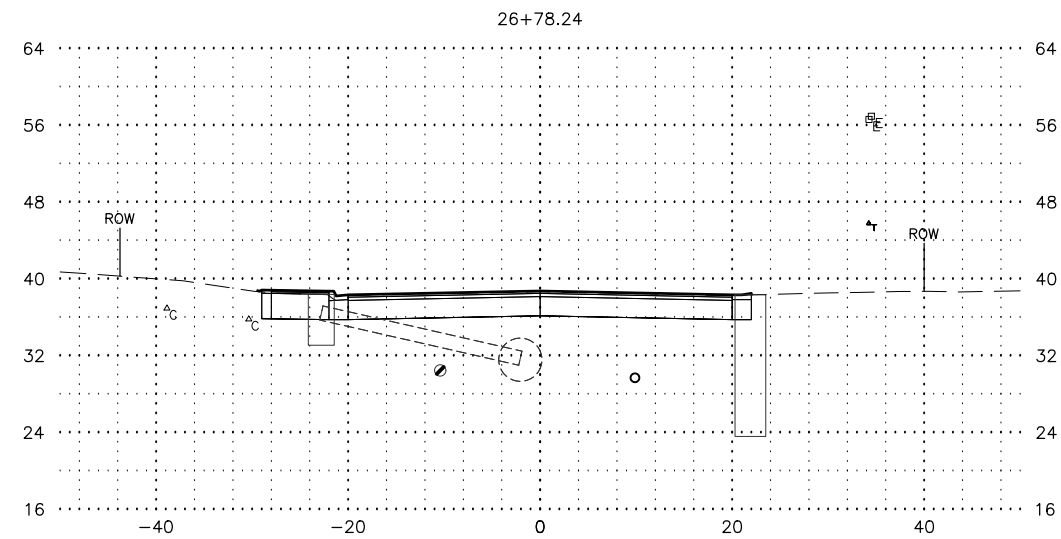
PLANS DEVELOPED BY:
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3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, AK 99503
(907) 346-2373
CERT. OF AUTH. NO. AECL 1102



CITY OF VALDEZ
PAVEMENT MANAGEMENT
WEST EGAN DRIVE

CROSS SECTIONS

FILE Z:\PROJECTS\00581 VALDEZ DESIGN SERVICES\DWGS\C-EG\SHEETS\SECTIONS\00581 EG - SECTIONS.DWG DATE/TIME 3/2/2020 5:34 PM X9 LAYOUT DESIGNED CHECKED DRAFTED



SHEET NO.	TOTAL SHEETS
X9	X22
STATE	YEAR
ALASKA	2020
PROJECT DESIGNATION	
19-310-110	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

UTILITY LEGEND

- EX. FIBER OPTIC ASSUMED ELEVATION
- EX. CABLE ASSUMED ELEVATION
- EX. TELEPHONE ASSUMED ELEVATION
- EX. ELECTRIC ASSUMED ELEVATION
- EX. GAS ASSUMED ELEVATION
- EX. WATER
- EX. SEWER
- EX. SD
- PROPOSED SD

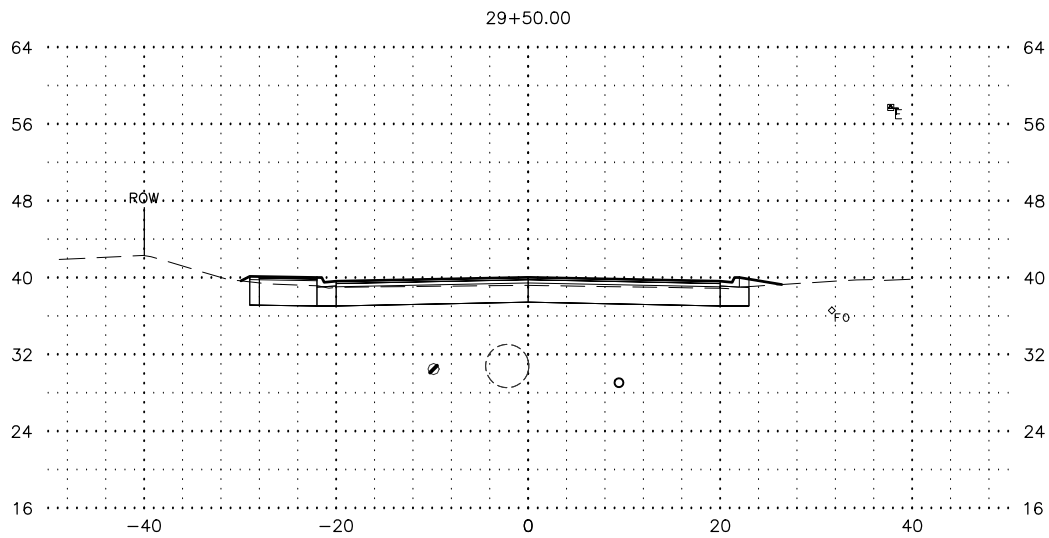
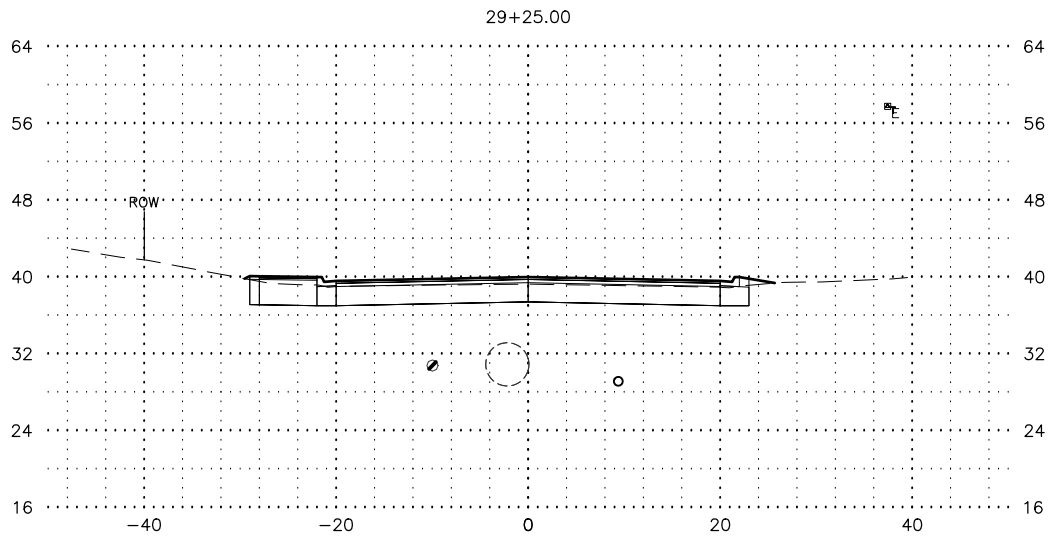
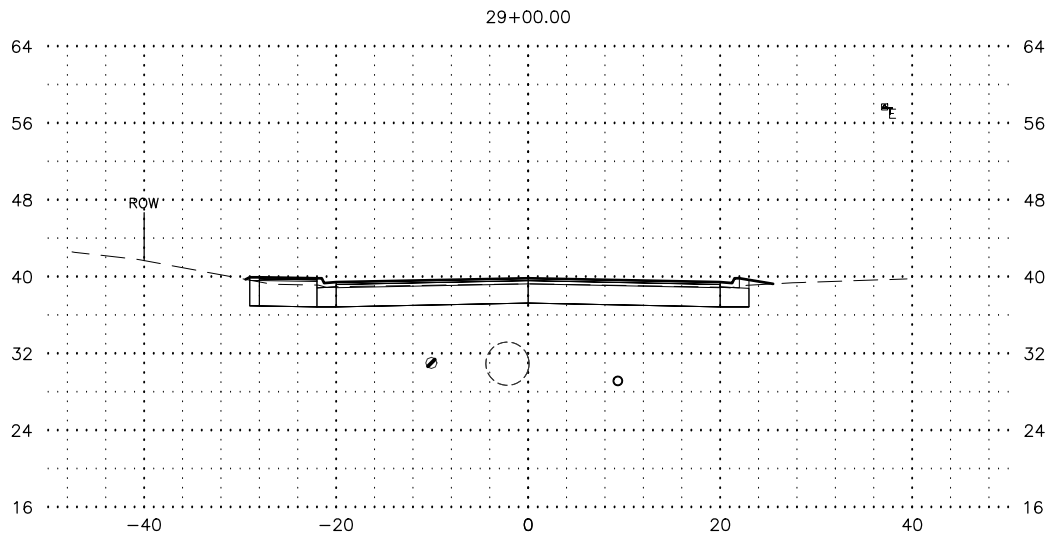
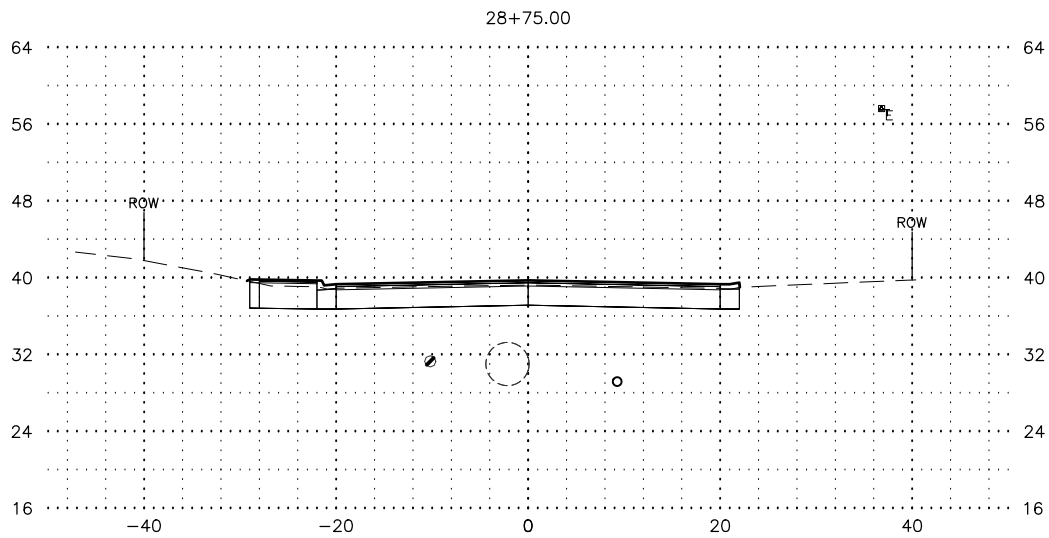
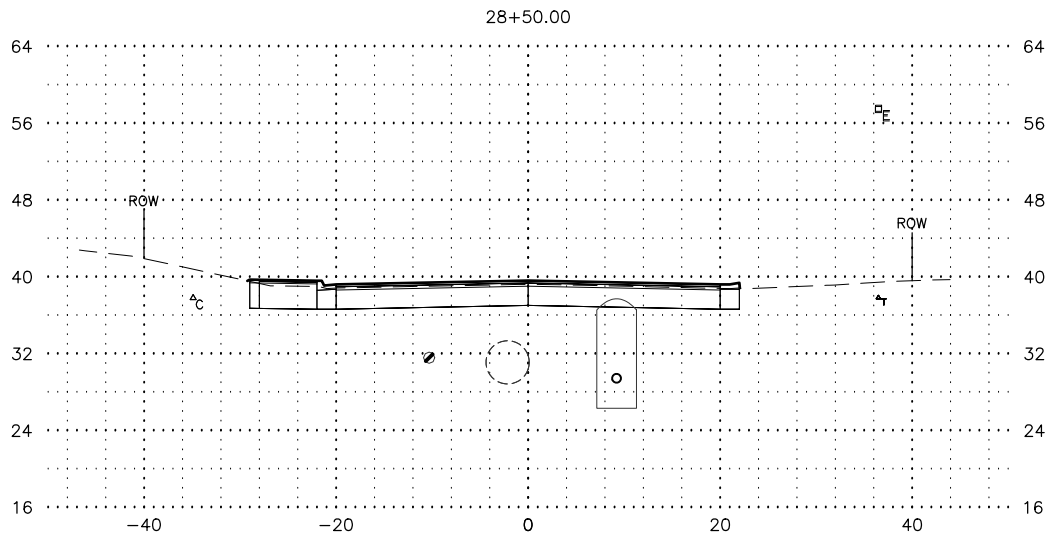
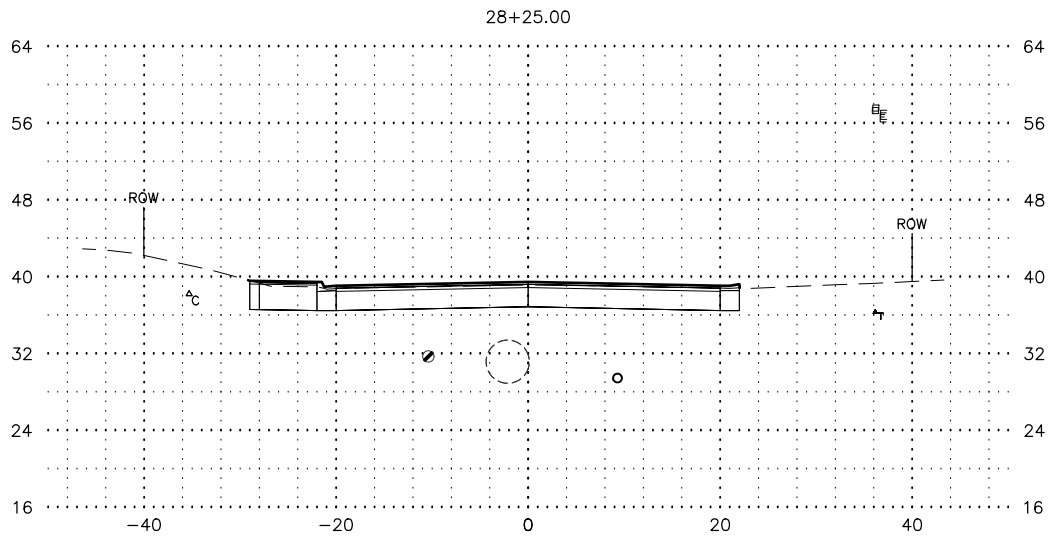
ALL UTILITY ELEVATIONS ARE APPROXIMATE

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CITY OF VALDEZ
PAVEMENT MANAGEMENT
WEST EGAN DRIVE

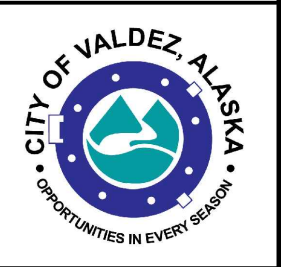
CROSS SECTIONS

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SHEET NO.	TOTAL SHEETS
X10	X22
STATE	YEAR
ALASKA	2020
PROJECT DESIGNATION	
19-310-110	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

UTILITY LEGEND	
⊙ _{F0}	EX. FIBER OPTIC ASSUMED ELEVATION
⊙ _C	EX. CABLE ASSUMED ELEVATION
⊙ _T	EX. TELEPHONE ASSUMED ELEVATION
⊙ _E	EX. ELECTRIC ASSUMED ELEVATION
⊙ _G	EX. GAS ASSUMED ELEVATION
⊙	EX. WATER
○	EX. SEWER
⊖	EX. SD
○	PROPOSED SD
ALL UTILITY ELEVATIONS ARE APPROXIMATE	



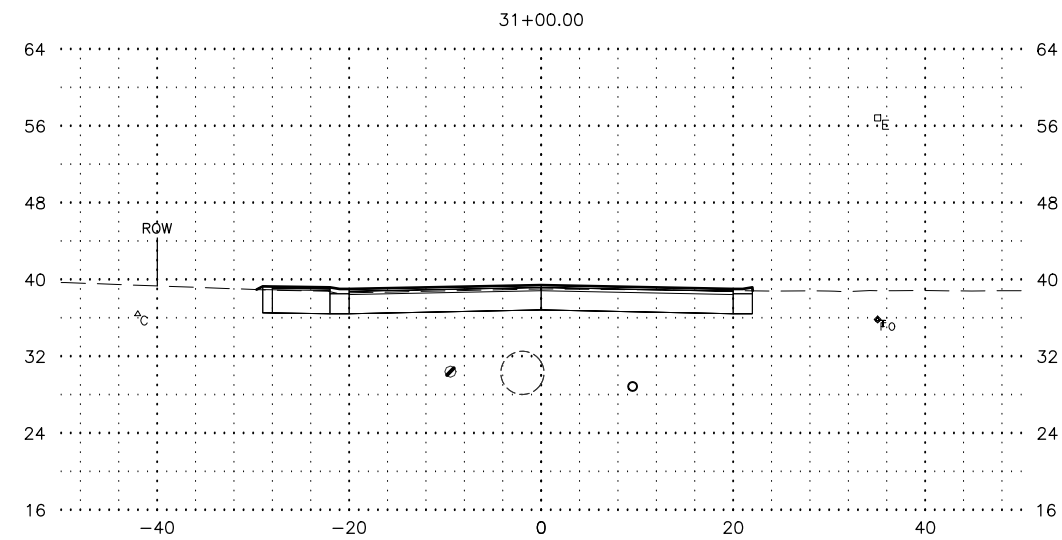
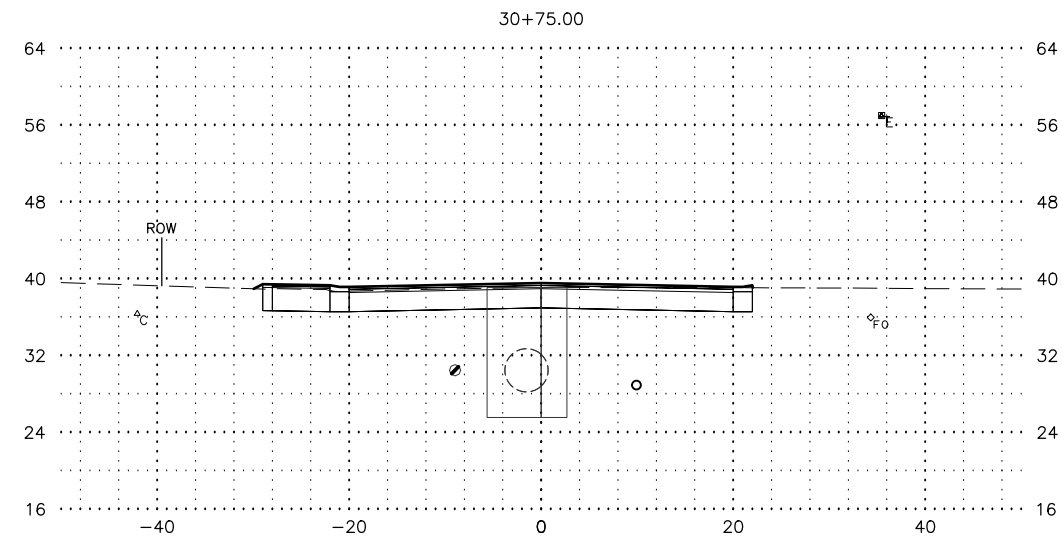
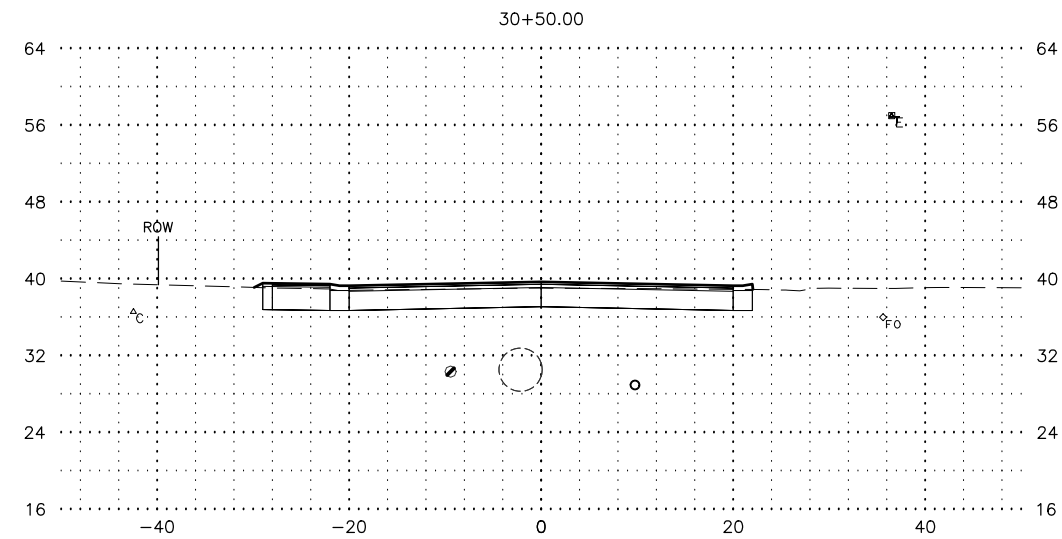
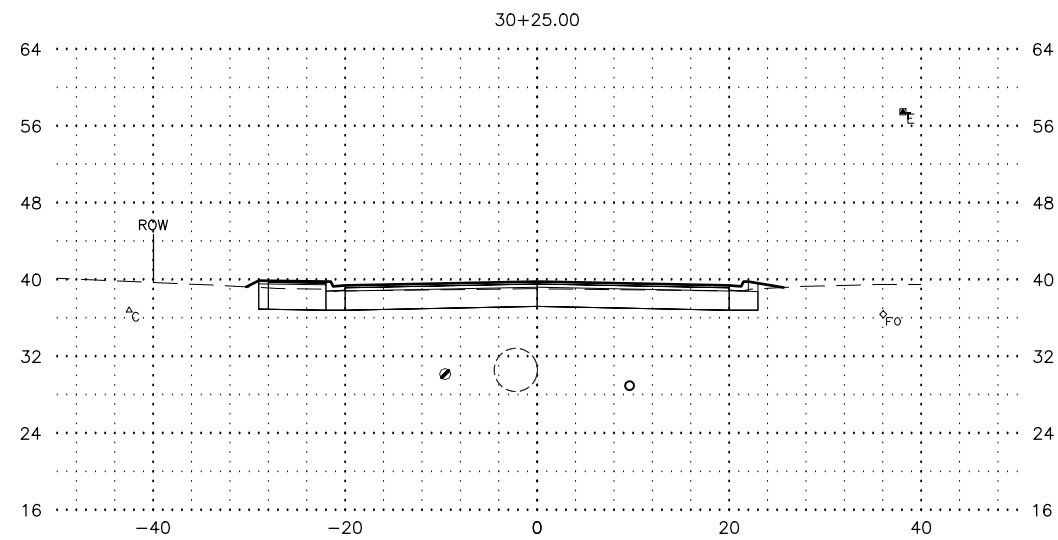
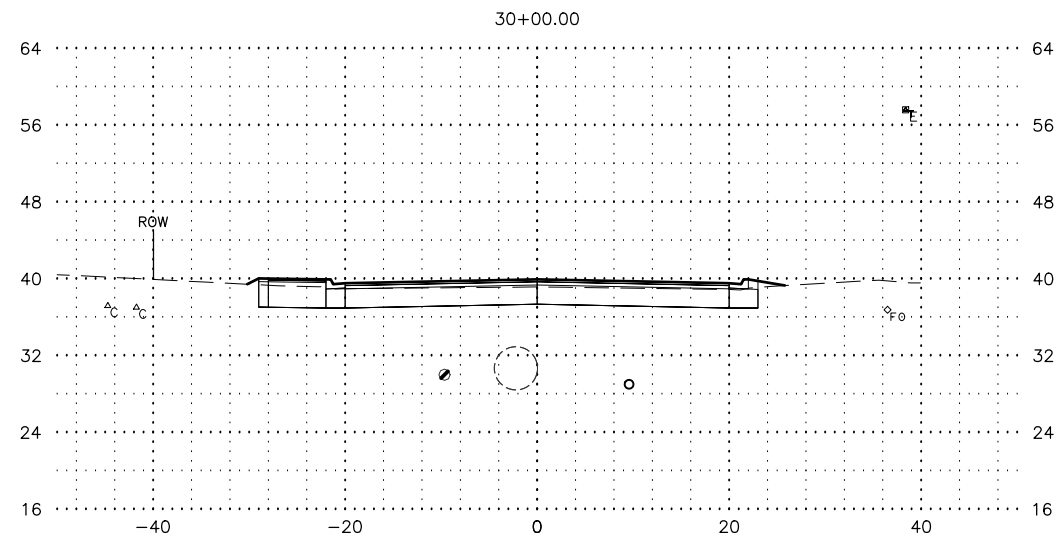
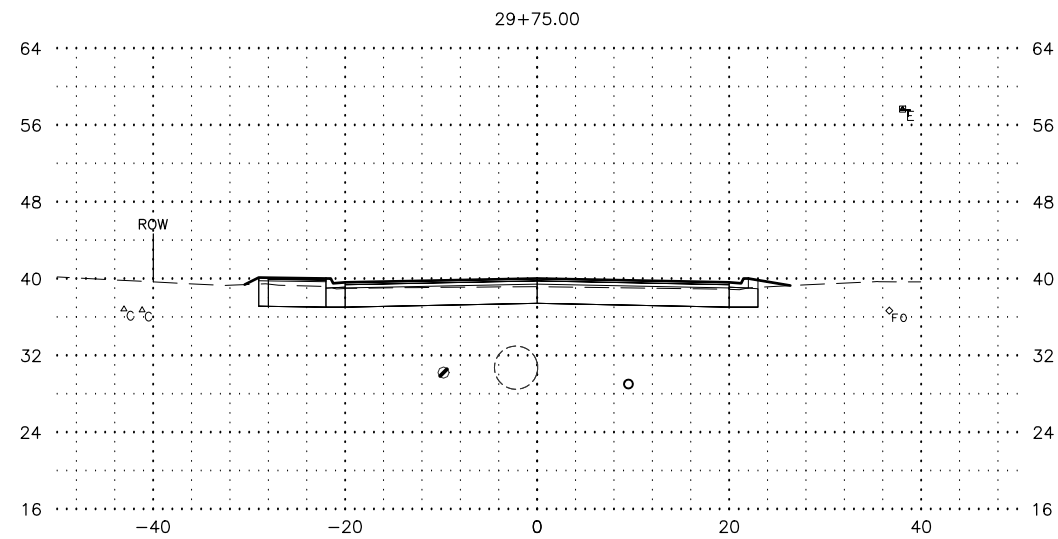
PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, AK 99503
(907) 346-2373
CERT. OF AUTH. NO. AECL 1102

KINNEY
ENGINEERING, LLC

CITY OF VALDEZ
PAVEMENT MANAGEMENT
WEST EGAN DRIVE

CROSS SECTIONS

FILE Z:\PROJECTS\00581 VALDEZ DESIGN SERVICES\DWGS\C-EG\SHEETS\SECTIONS\00581 EG - SECTIONS.DWG DATE/TIME 3/2/2020 5:34 PM X11 LAYOUT DESIGNED CHECKED DRAFTED



SHEET NO.	TOTAL SHEETS
X11	X22
STATE	YEAR
ALASKA	2020
PROJECT DESIGNATION	
19-310-110	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

UTILITY LEGEND

EX. FIBER OPTIC ASSUMED ELEVATION
EX. CABLE ASSUMED ELEVATION
EX. TELEPHONE ASSUMED ELEVATION
EX. ELECTRIC ASSUMED ELEVATION
EX. GAS ASSUMED ELEVATION
EX. WATER
EX. SEWER
EX. SD
PROPOSED SD

ALL UTILITY ELEVATIONS ARE APPROXIMATE

CITY OF VALDEZ, ALASKA
OPPORTUNITIES IN EVERY SEASON

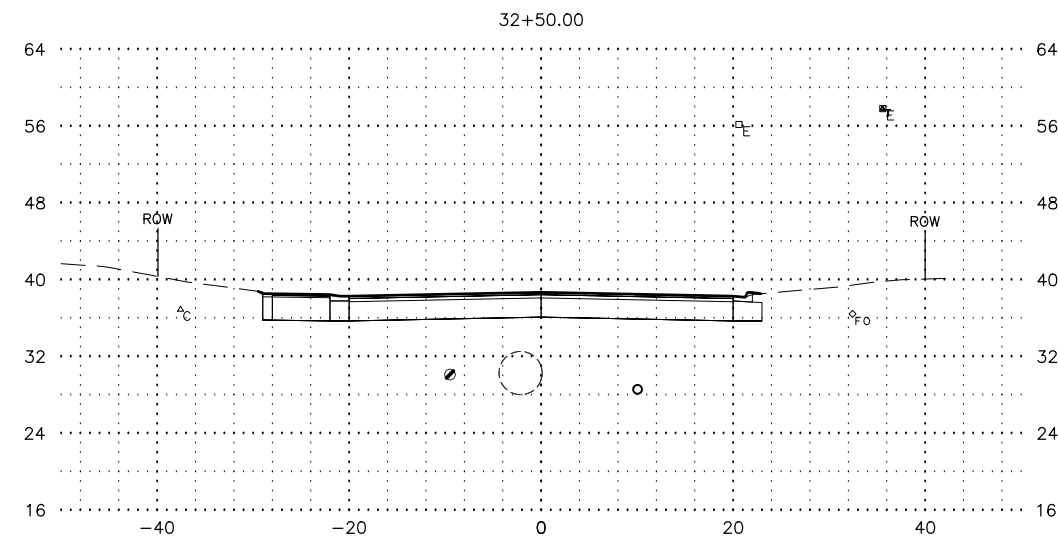
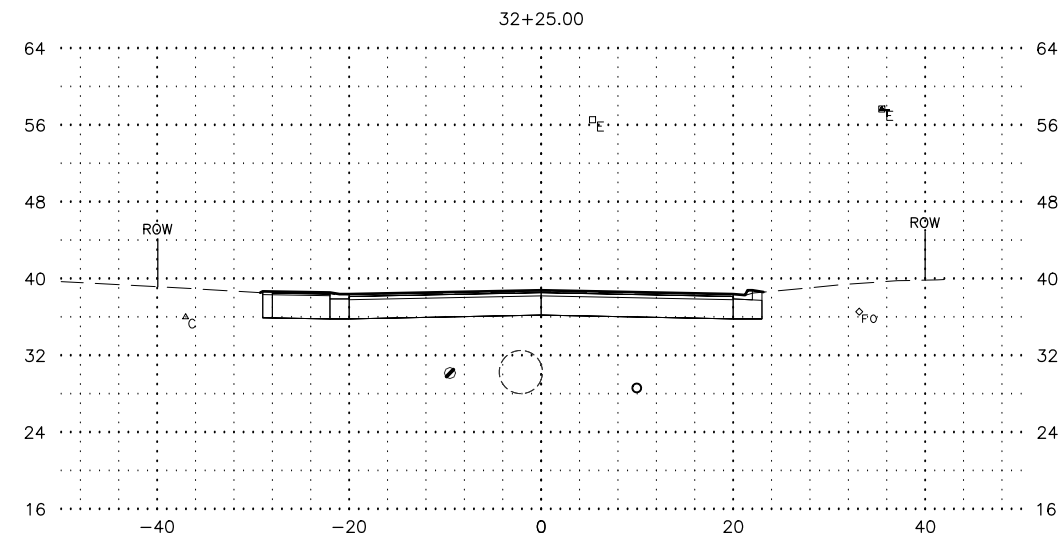
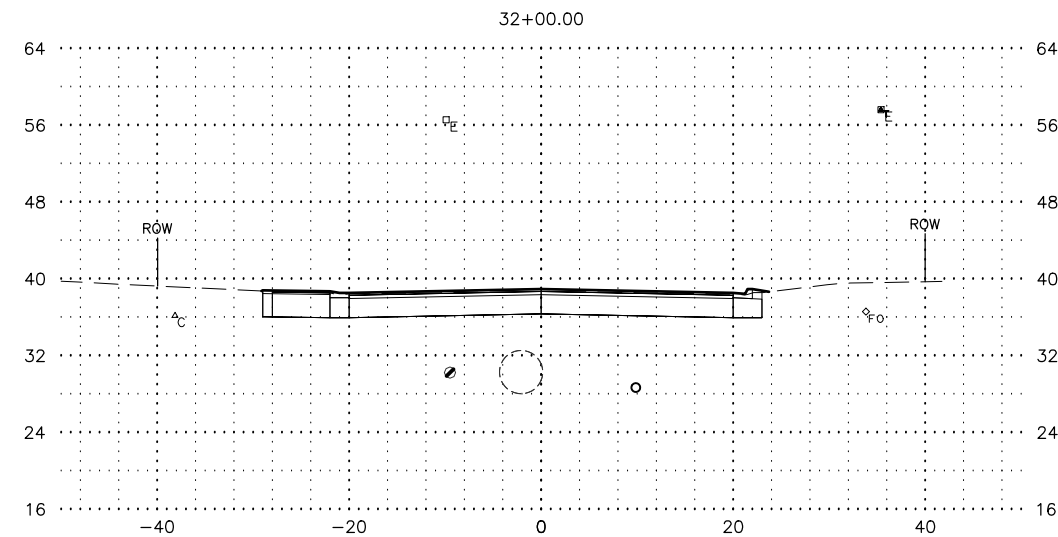
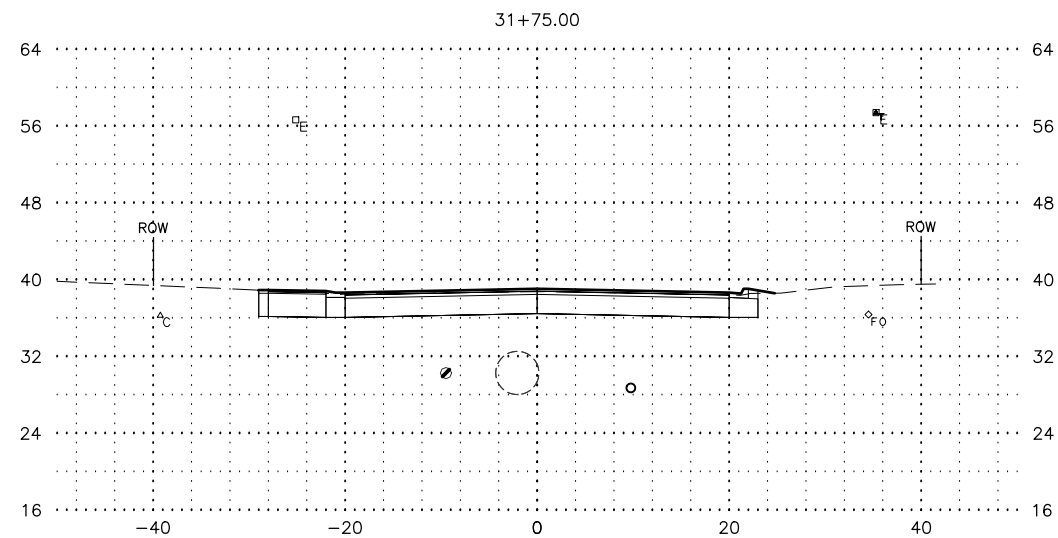
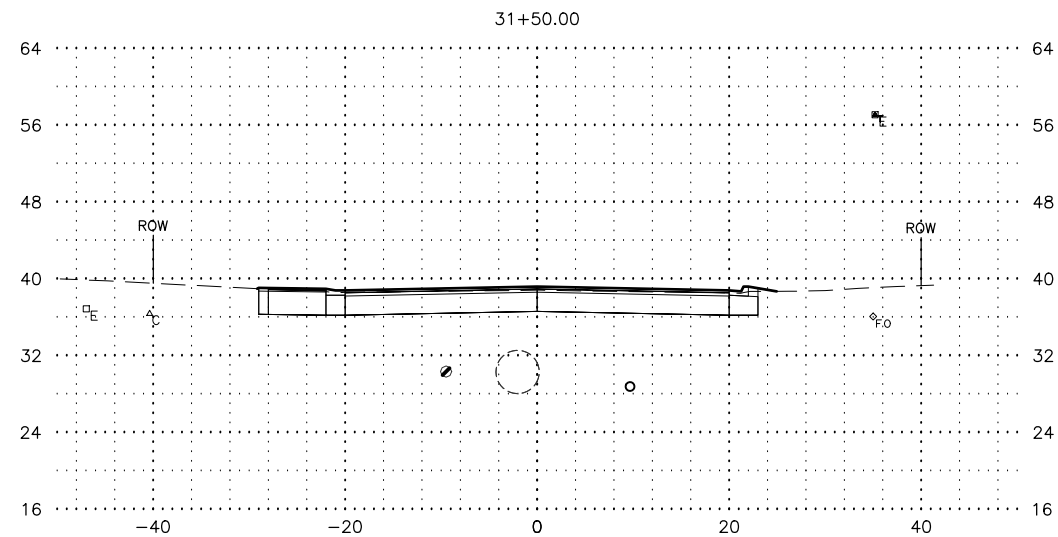
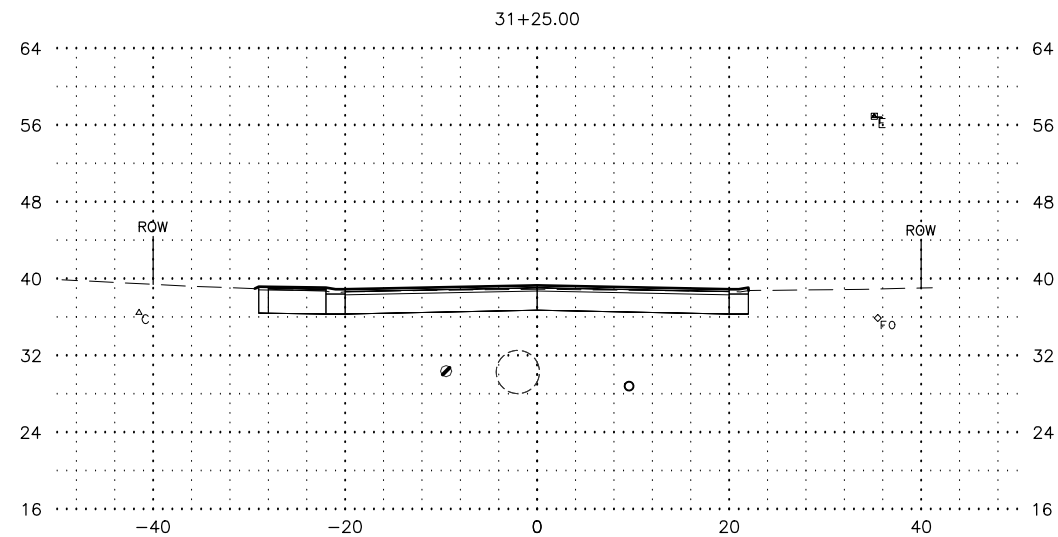
PLANS DEVELOPED BY:
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KINNEY ENGINEERING, LLC

CITY OF VALDEZ
PAVEMENT MANAGEMENT
WEST EGAN DRIVE

CROSS SECTIONS

FILE Z:\PROJECTS\00581 VALDEZ DESIGN SERVICES\DWGS\C-EG\SHEETS\SECTIONS\00581 EG - SECTIONS.DWG DATE/TIME 3/2/2020 5:34 PM X12 LAYOUT DESIGNED CHECKED DRAFTED



SHEET NO.	TOTAL SHEETS
X12	X22
STATE	YEAR
ALASKA	2020
PROJECT DESIGNATION	
19-310-110	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

UTILITY LEGEND

- FO EX. FIBER OPTIC ASSUMED ELEVATION
- C EX. CABLE ASSUMED ELEVATION
- T EX. TELEPHONE ASSUMED ELEVATION
- E EX. ELECTRIC ASSUMED ELEVATION
- G EX. GAS ASSUMED ELEVATION
- Ø EX. WATER
- EX. SEWER
- EX. SD
- PROPOSED SD

ALL UTILITY ELEVATIONS ARE APPROXIMATE

CITY OF VALDEZ, ALASKA
OPPORTUNITIES IN EVERY SEASON

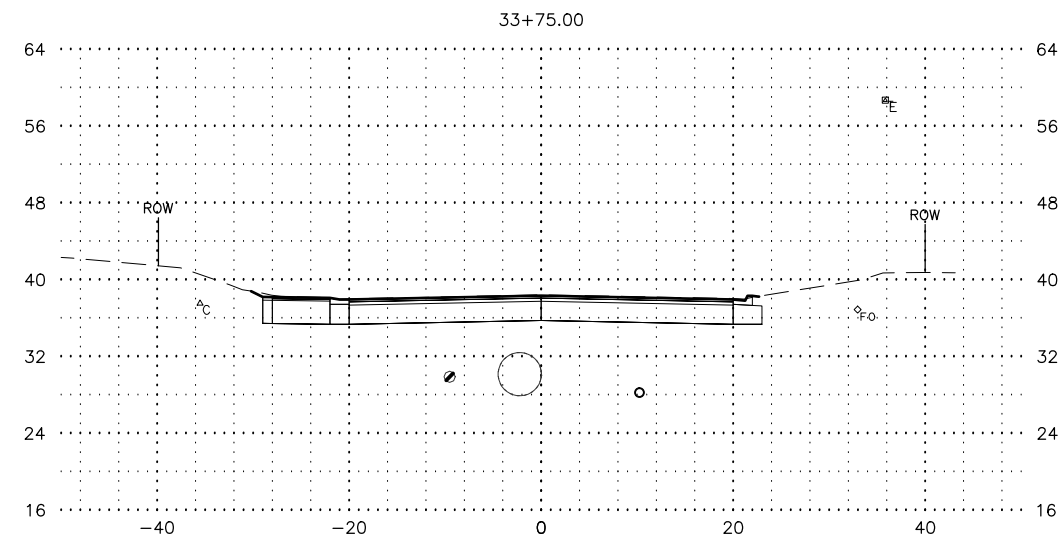
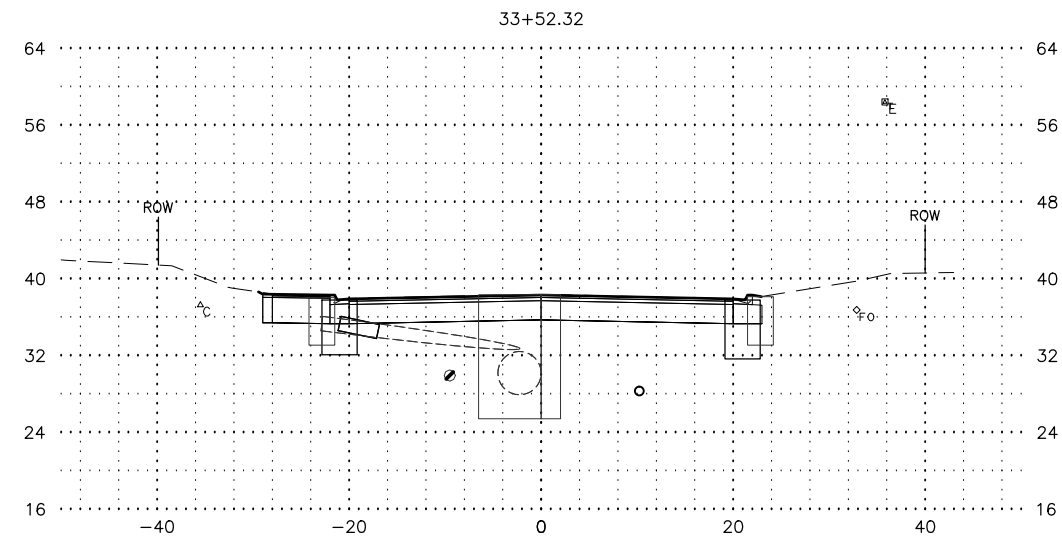
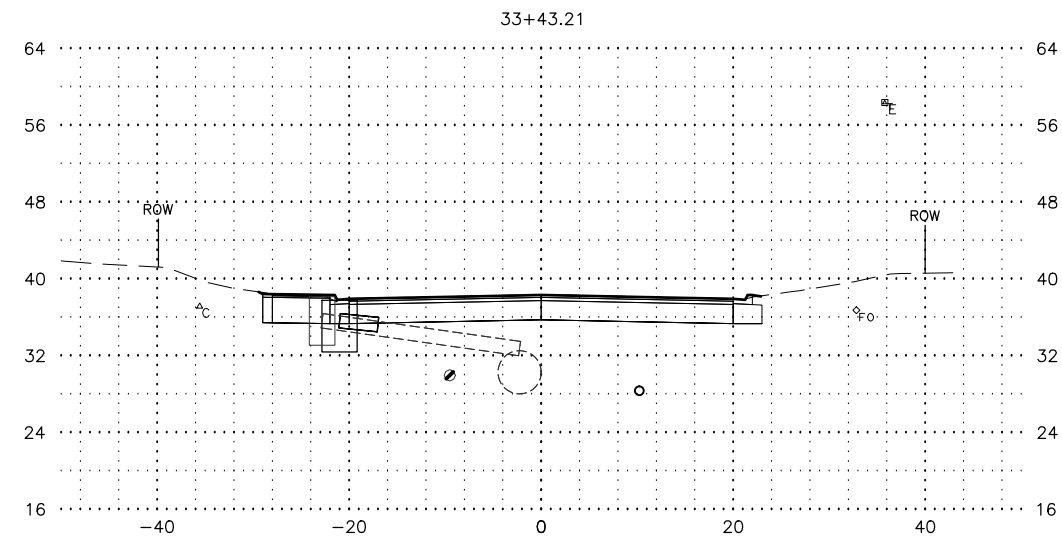
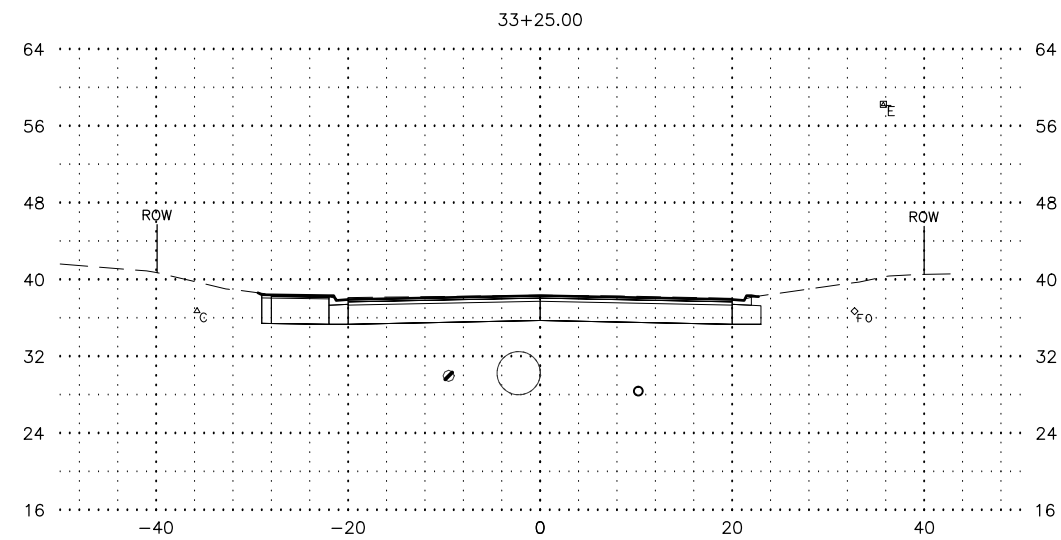
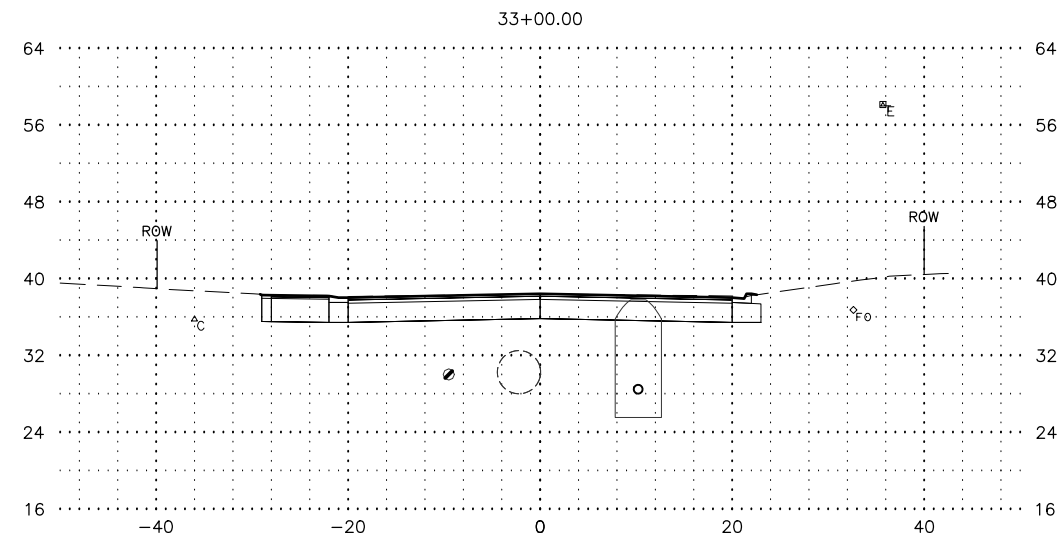
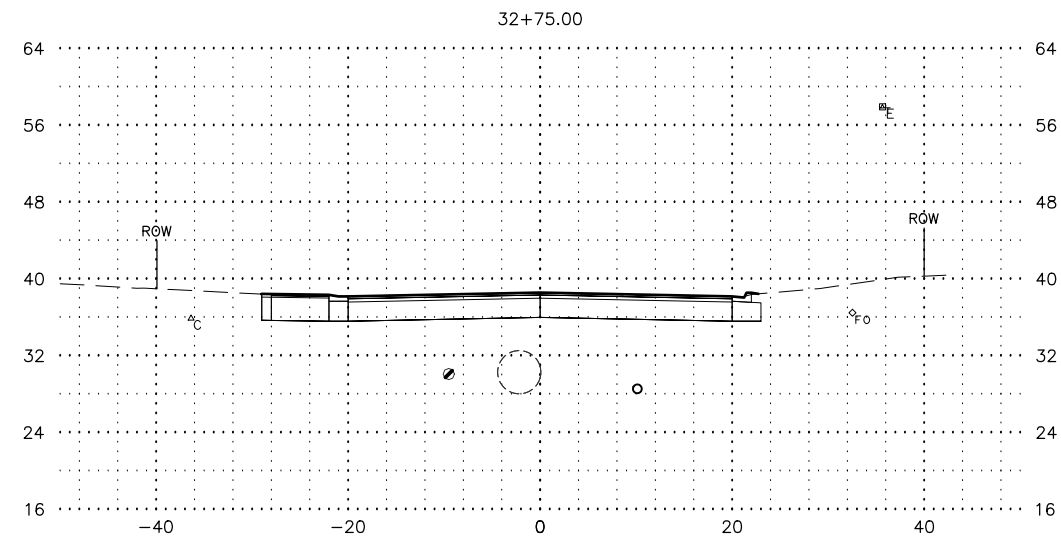
PLANS DEVELOPED BY:
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3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, AK 99503
(907) 346-2373
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KINNEY
ENGINEERING, LLC

CITY OF VALDEZ
PAVEMENT MANAGEMENT
WEST EGAN DRIVE

CROSS SECTIONS

FILE Z:\PROJECTS\00581 VALDEZ DESIGN SERVICES\DWGS\C-EG\SHEETS\SECTIONS\00581 EG - SECTIONS.DWG DATE/TIME 3/2/2020 5:34 PM X13 LAYOUT DESIGNED CHECKED DRAFTED



SHEET NO.	TOTAL SHEETS
X13	X22
STATE	YEAR
ALASKA	2020
PROJECT DESIGNATION	
19-310-110	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

UTILITY LEGEND

- EX. FIBER OPTIC ASSUMED ELEVATION
- EX. CABLE ASSUMED ELEVATION
- EX. TELEPHONE ASSUMED ELEVATION
- EX. ELECTRIC ASSUMED ELEVATION
- EX. GAS ASSUMED ELEVATION
- EX. WATER
- EX. SEWER
- EX. SD
- PROPOSED SD

ALL UTILITY ELEVATIONS ARE APPROXIMATE

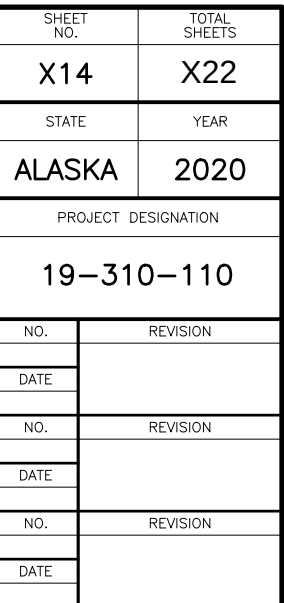
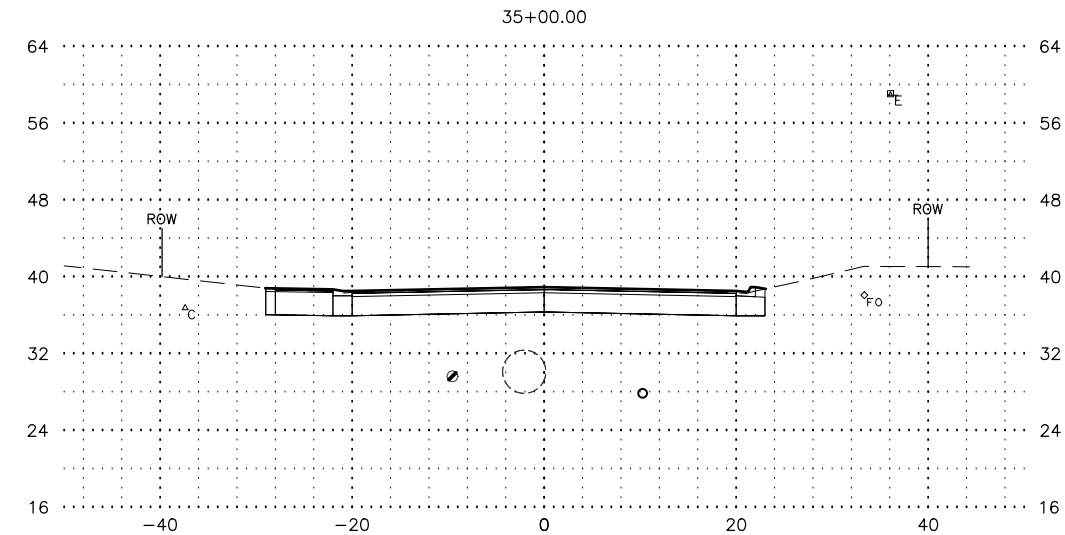
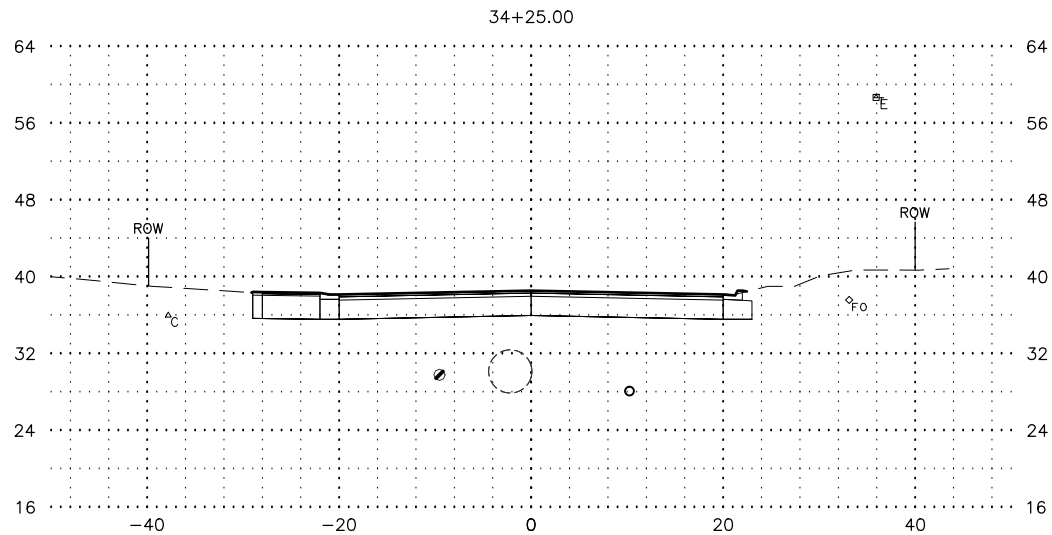


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CITY OF VALDEZ
PAVEMENT MANAGEMENT
WEST EGAN DRIVE

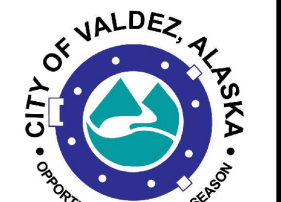
CROSS SECTIONS



UTILITY LEGEND

	EX. FIBER OPTIC ASSUMED ELEVATION
	EX. CABLE ASSUMED ELEVATION
	EX. TELEPHONE ASSUMED ELEVATION
	EX. ELECTRIC ASSUMED ELEVATION
	EX. GAS ASSUMED ELEVATION
	EX. WATER
	EX. SEWER
	EX. SD
	PROPOSED SD

ALL UTILITY ELEVATIONS ARE APPROXIMATE

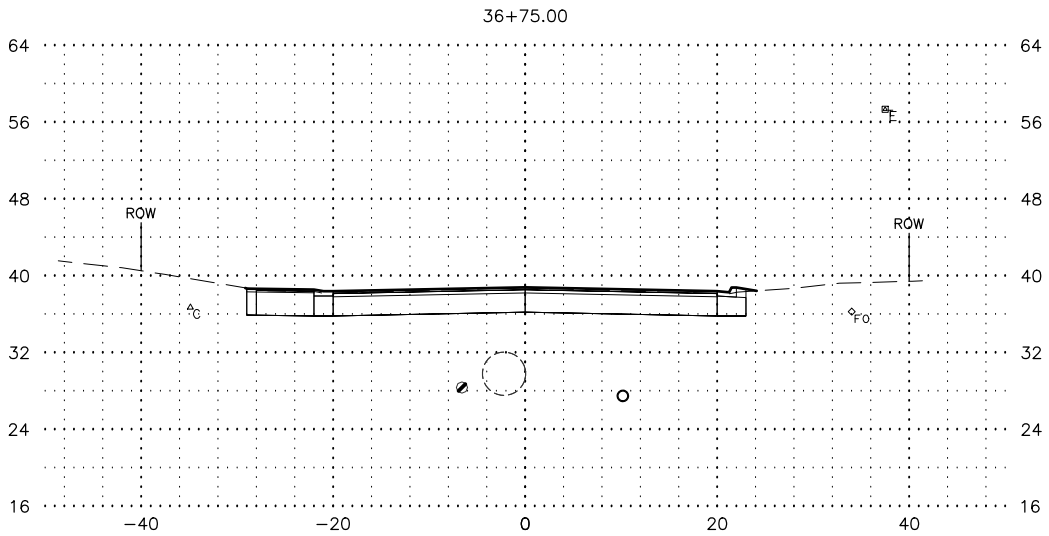
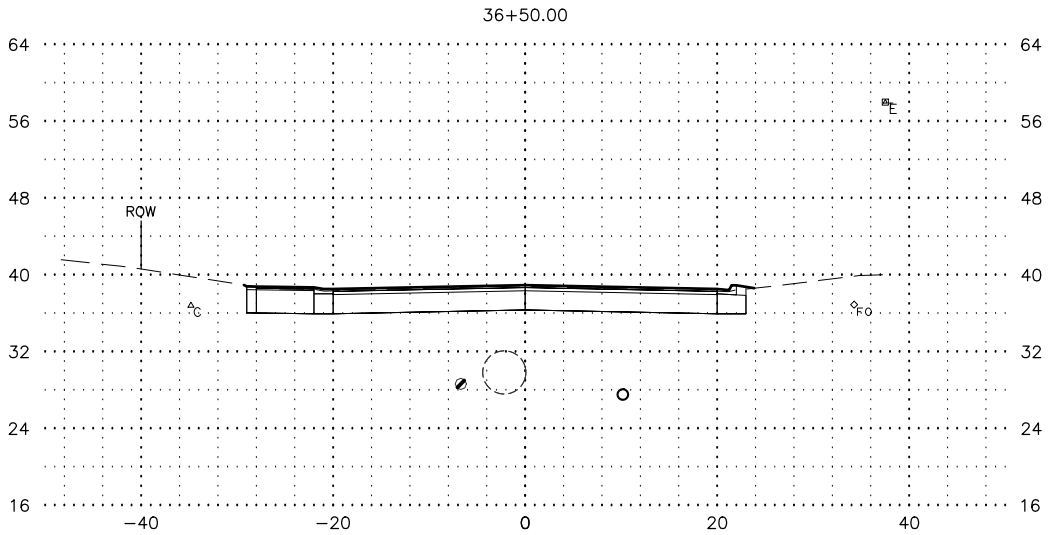
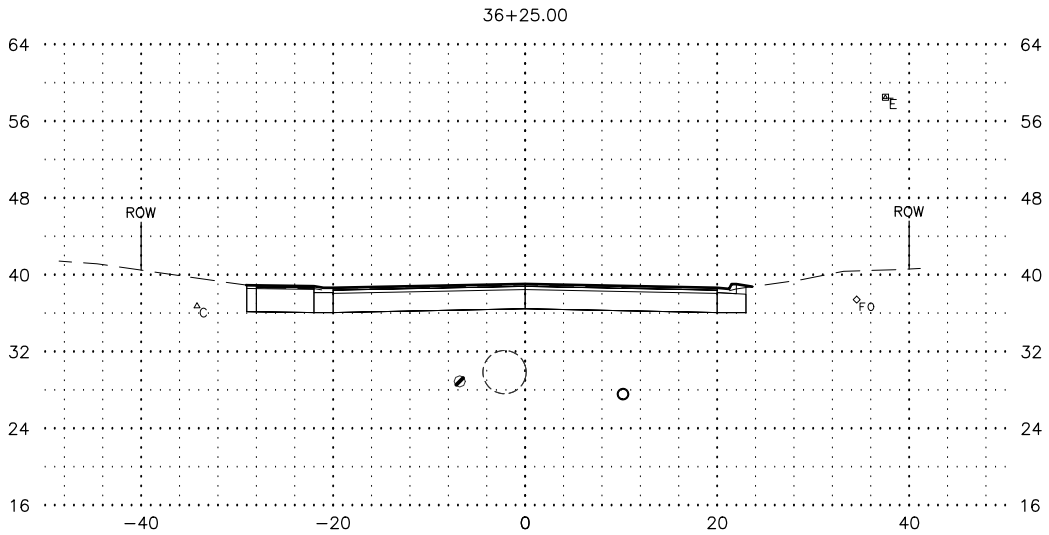
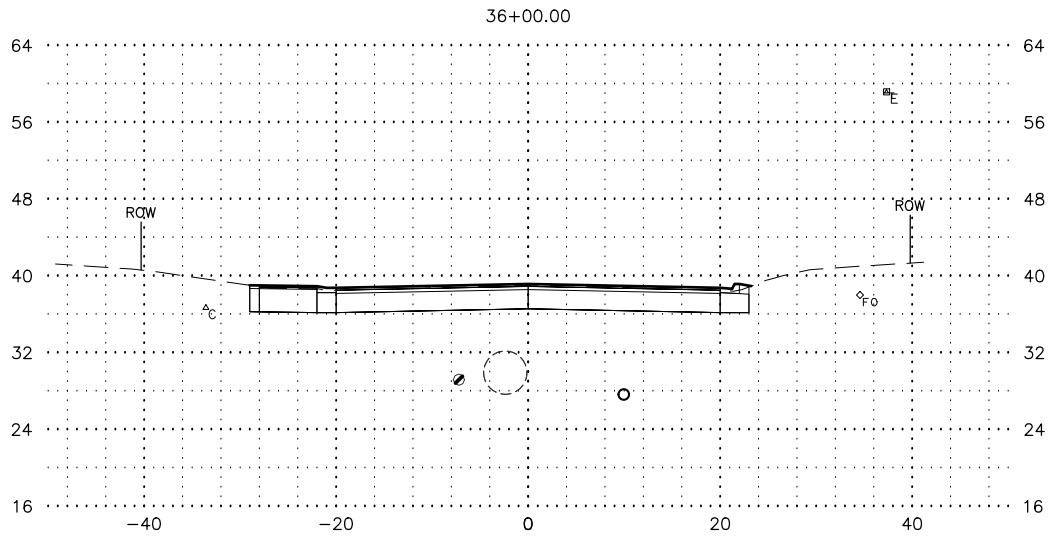
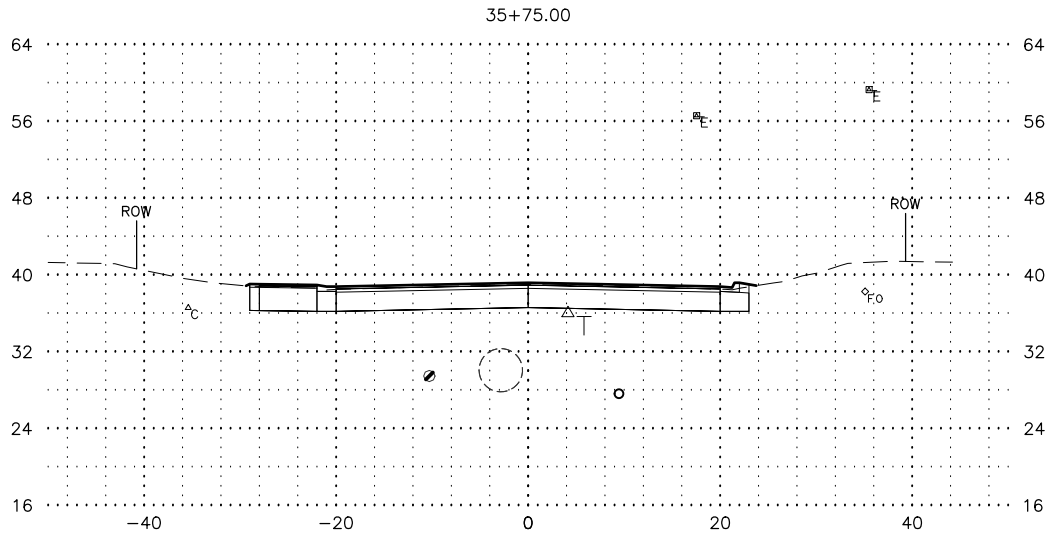
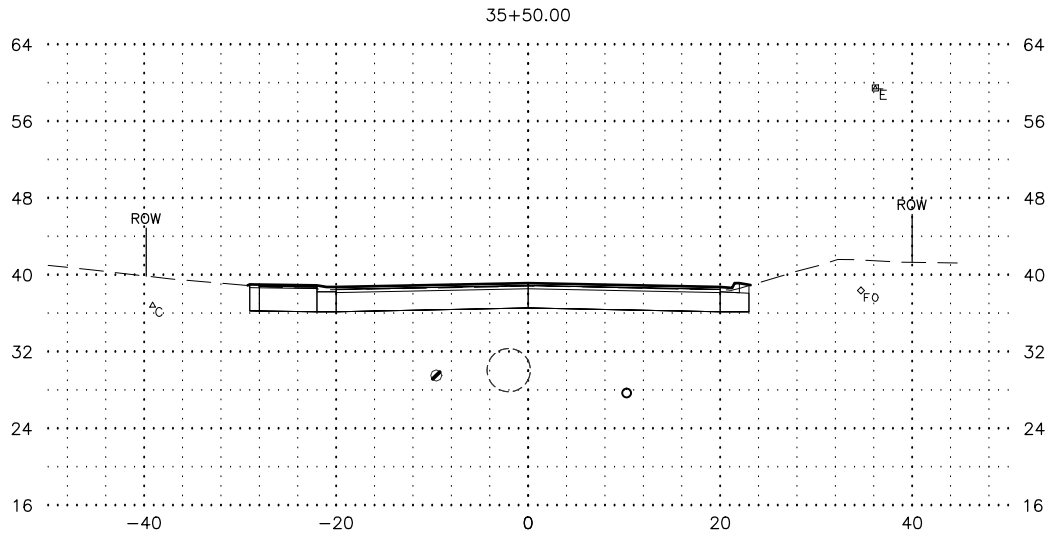


PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, AK 99053
(907) 346-2373
CERT. OF AUTH. NO. AECL 1102

 **KINNEY**
ENGINEERING, LLC

CITY OF VALDEZ
PAVEMENT MANAGEMENT
WEST EGAN DRIVE

CROSS SECTIONS



SHEET NO.	TOTAL SHEETS
X15	X22
STATE	YEAR
ALASKA	2020
PROJECT DESIGNATION	
19-310-110	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

UTILITY LEGEND

EX. FIBER OPTIC
ASSUMED ELEVATION

EX. CABLE
ASSUMED ELEVATION

EX. TELEPHONE
ASSUMED ELEVATION

EX. ELECTRIC
ASSUMED ELEVATION

EX. GAS
ASSUMED ELEVATION

EX. WATER

EX. SEWER

EX. SD

PROPOSED SD

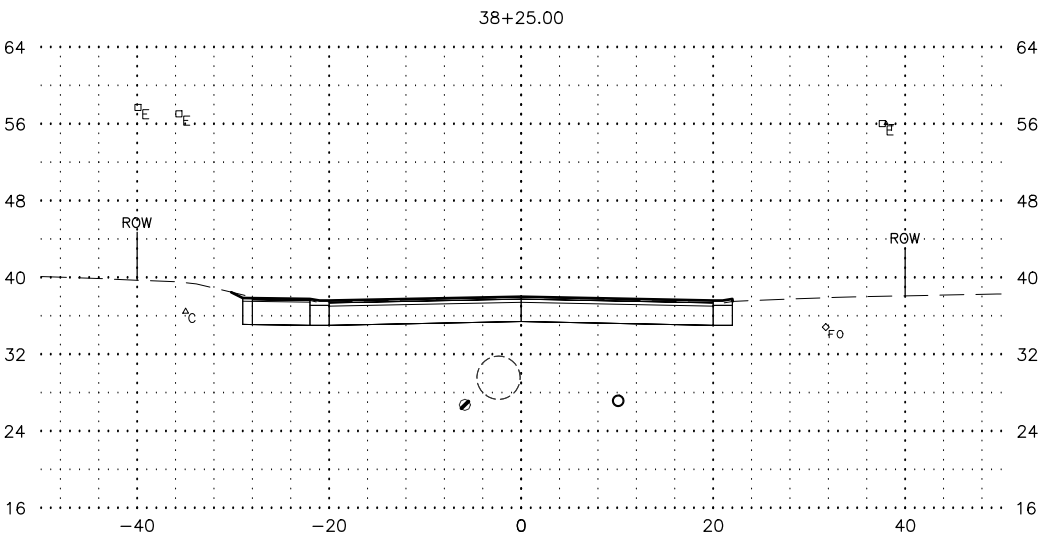
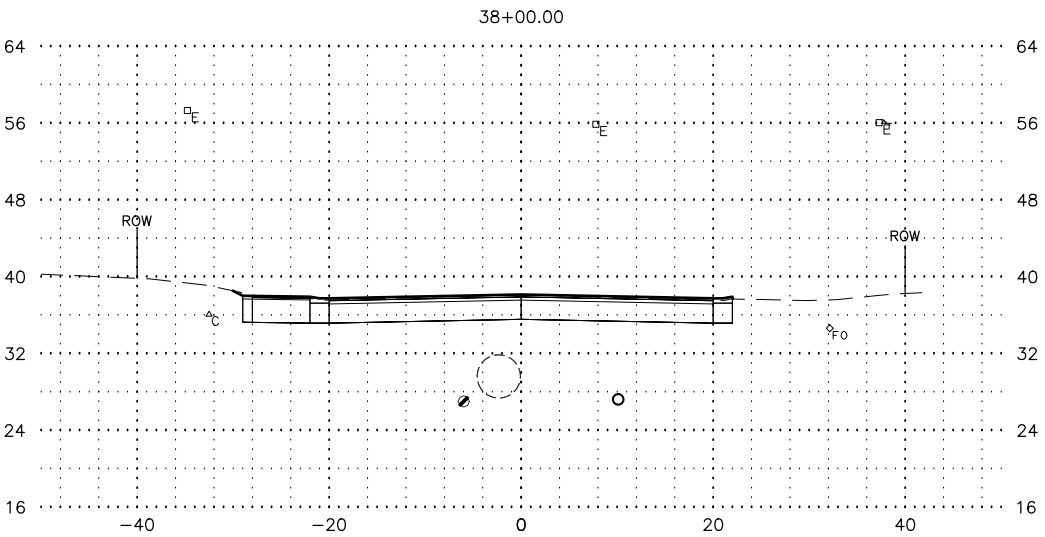
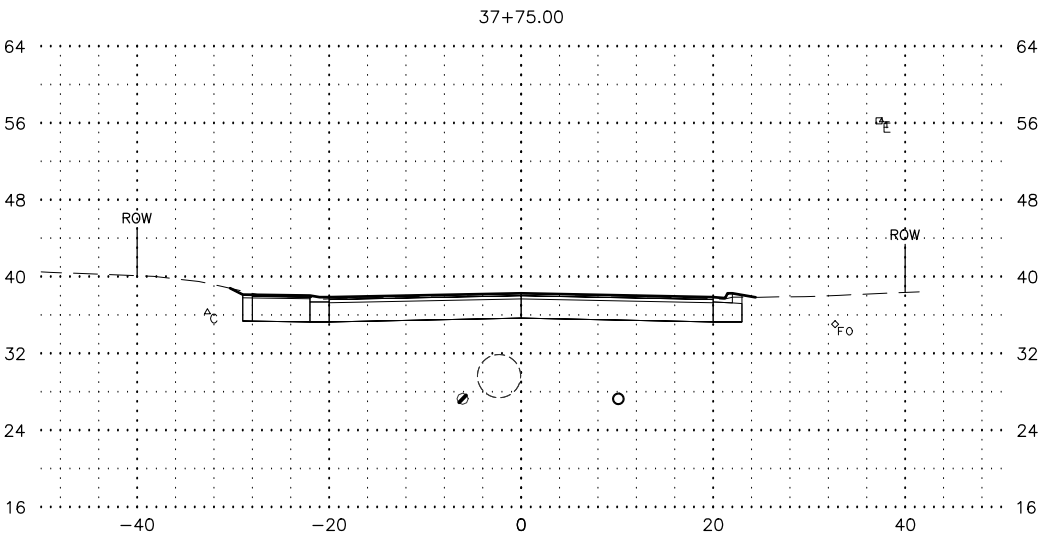
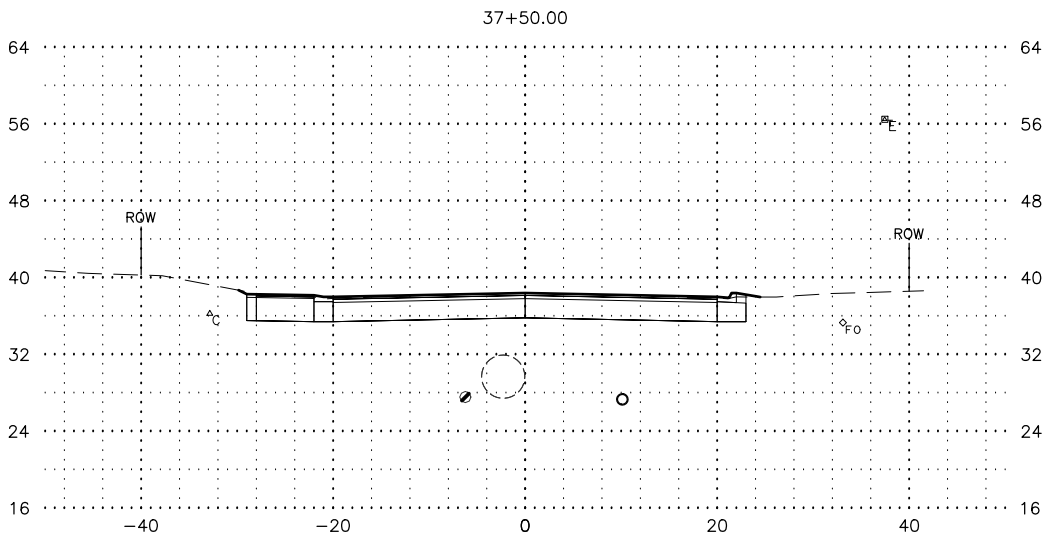
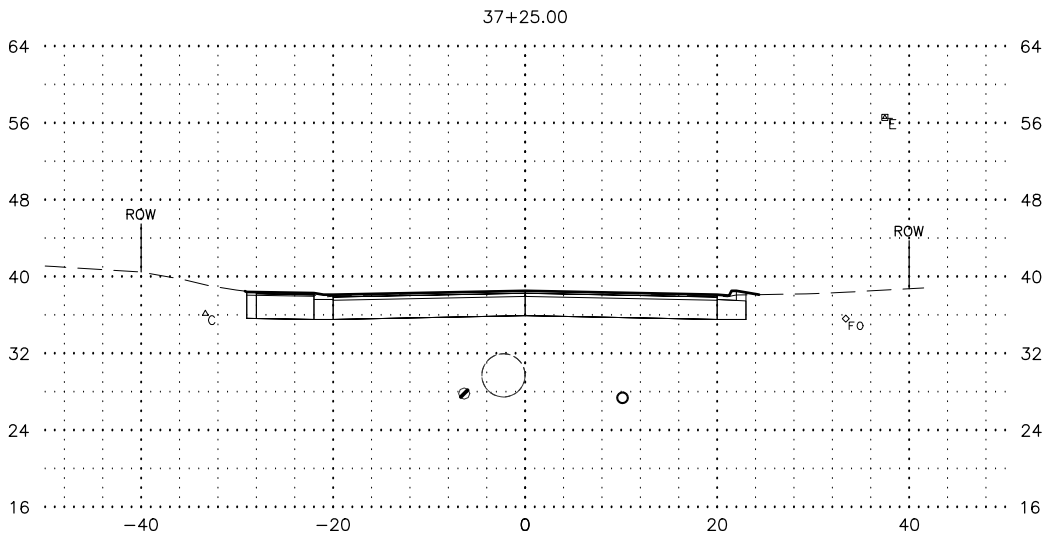
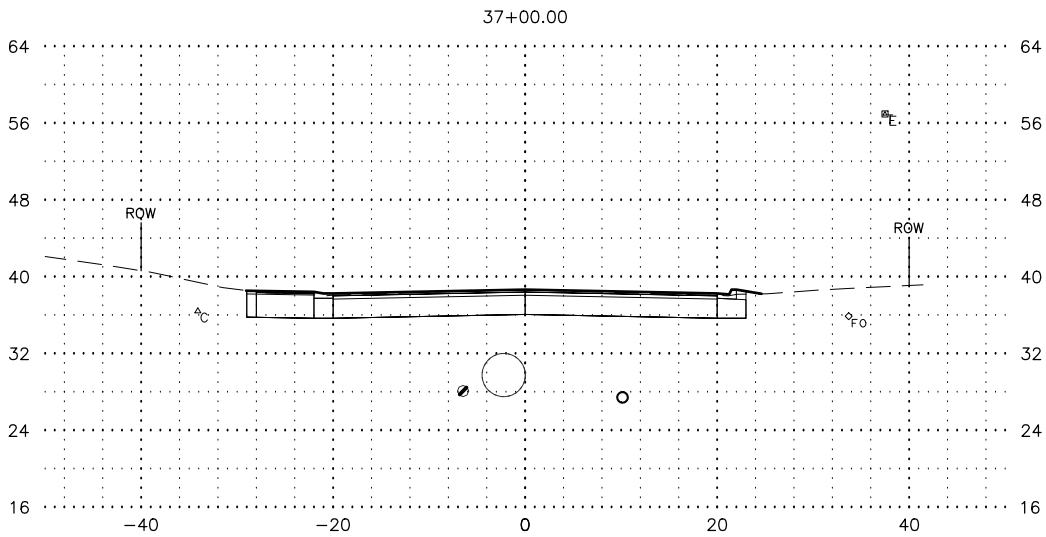
ALL UTILITY ELEVATIONS ARE APPROXIMATE

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, AK 99503
(907) 346-2373
CERT. OF AUTH. NO. AECL 1102

CITY OF VALDEZ
PAVEMENT MANAGEMENT
WEST EGAN DRIVE

CROSS SECTIONS

FILE Z:\PROJECTS\00581 VALDEZ DESIGN SERVICES\DWGS\C-EG\SHEETS\SECTIONS\00581 EG - SECTIONS.DWG DATE/TIME 3/2/2020 5:35 PM X16 LAYOUT DESIGNED CHECKED DRAFTED



SHEET NO.	TOTAL SHEETS
X16	X22
STATE	YEAR
ALASKA	2020
PROJECT DESIGNATION	
19-310-110	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

UTILITY LEGEND

- EX. FIBER OPTIC ASSUMED ELEVATION
- EX. CABLE ASSUMED ELEVATION
- EX. TELEPHONE ASSUMED ELEVATION
- EX. ELECTRIC ASSUMED ELEVATION
- EX. GAS ASSUMED ELEVATION
- EX. WATER
- EX. SEWER
- EX. SD
- PROPOSED SD

ALL UTILITY ELEVATIONS ARE APPROXIMATE

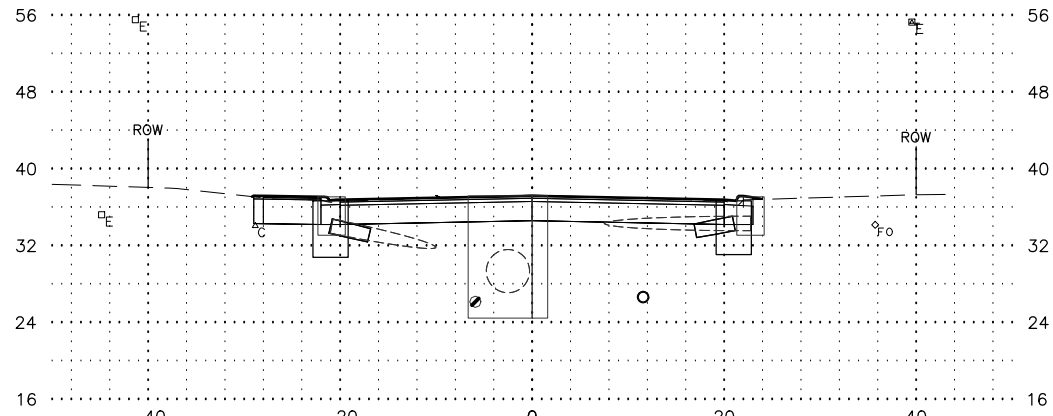
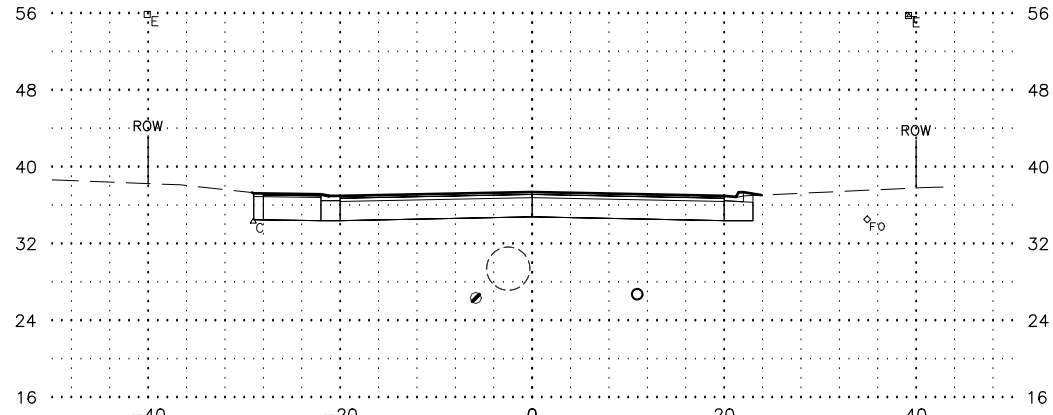
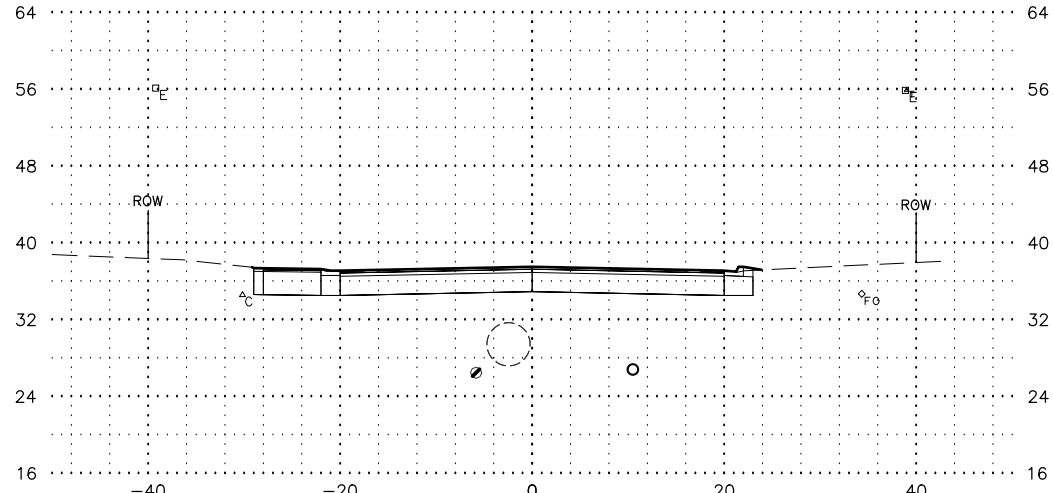
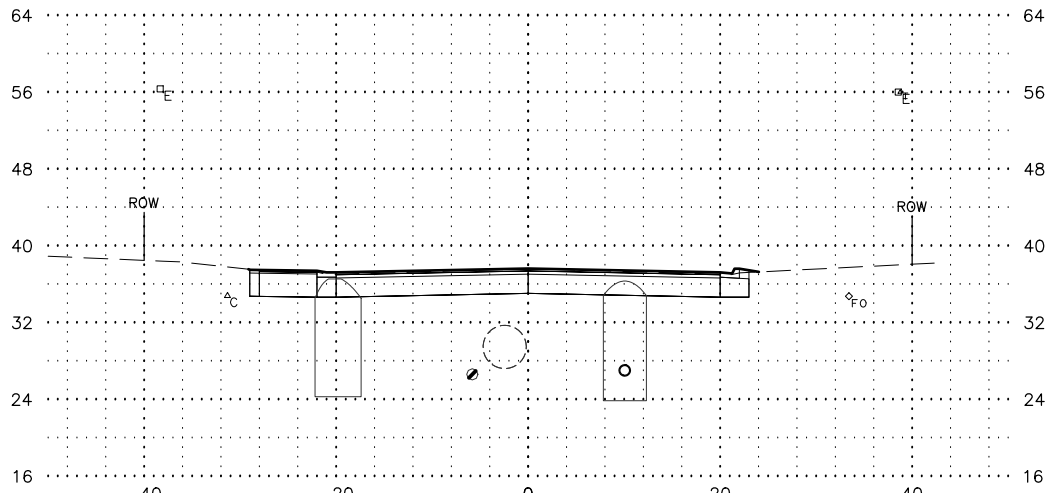
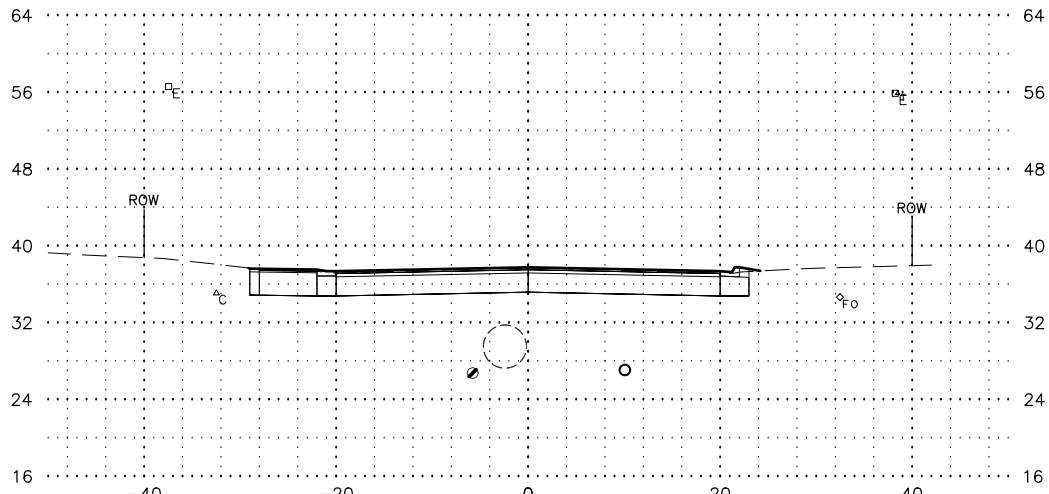
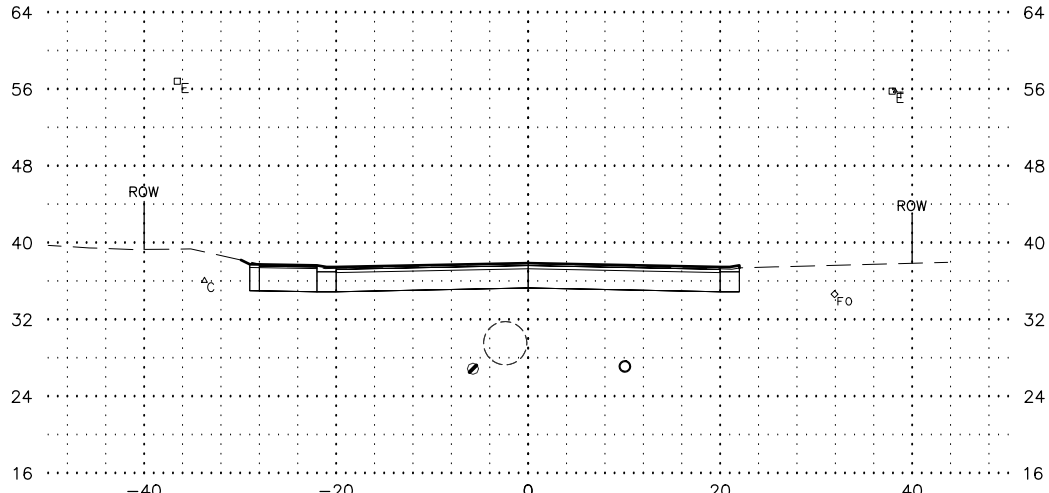
CITY OF VALDEZ, ALASKA
OPPORTUNITIES IN EVERY SEASON

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, AK 99503
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CERT. OF AUTH. NO. AECL 1102

KINNEY ENGINEERING, LLC

CITY OF VALDEZ
PAVEMENT MANAGEMENT
WEST EGAN DRIVE

CROSS SECTIONS



SHEET NO.	TOTAL SHEETS
X17	X22
STATE	YEAR
ALASKA	2020

PROJECT DESIGNATION

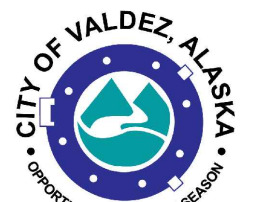
19-310-110

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

UTILITY LEGEND

- | | |
|---|--------------------------------------|
|  | EX. FIBER OPTIC
ASSUMED ELEVATION |
|  | EX. CABLE
ASSUMED ELEVATION |
|  | EX. TELEPHONE
ASSUMED ELEVATION |
|  | EX. ELECTRIC
ASSUMED ELEVATION |
|  | EX. GAS
ASSUMED ELEVATION |
|  | EX. WATER |
|  | EX. SEWER |
|  | EX. SD |
|  | PROPOSED SD |

ALL UTILITY ELEVATIONS ARE APPROXIMATE



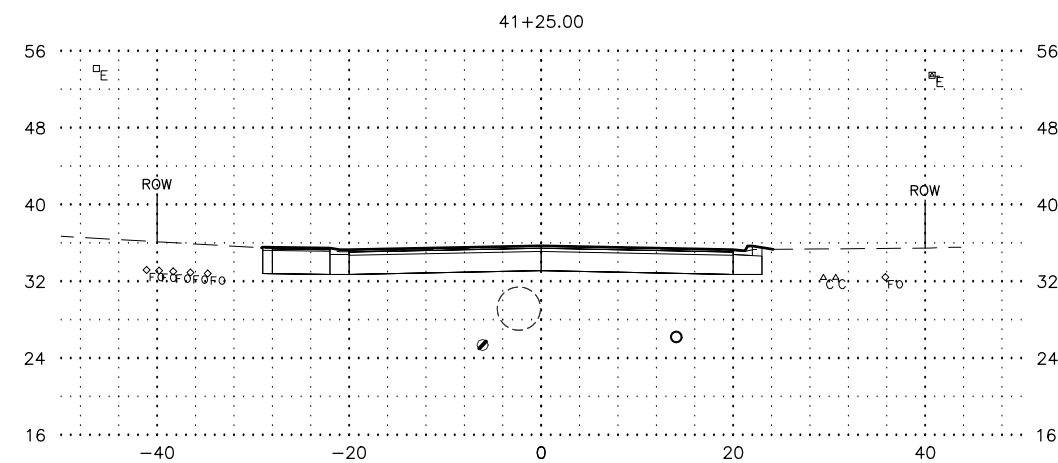
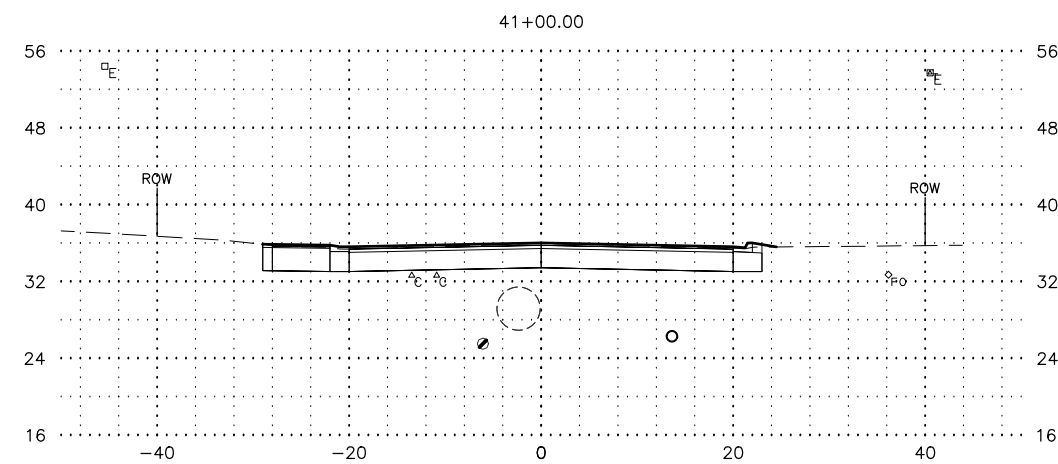
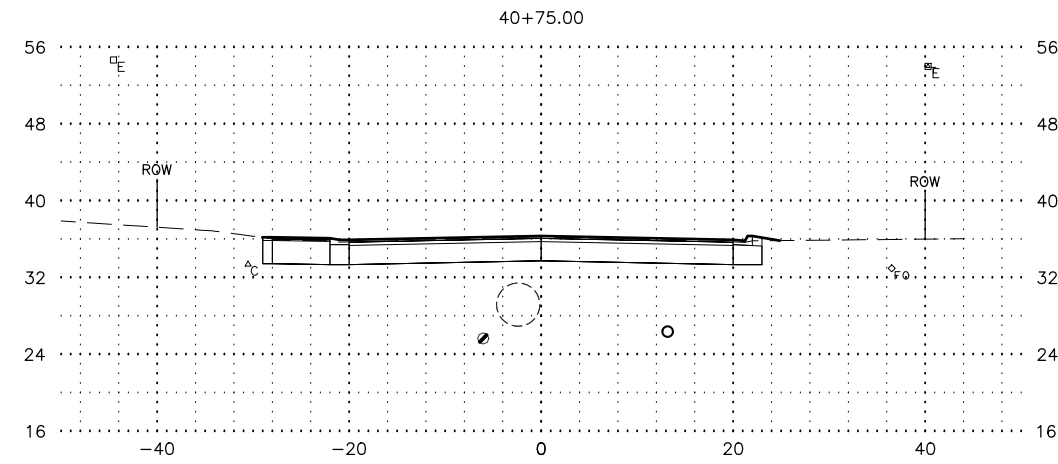
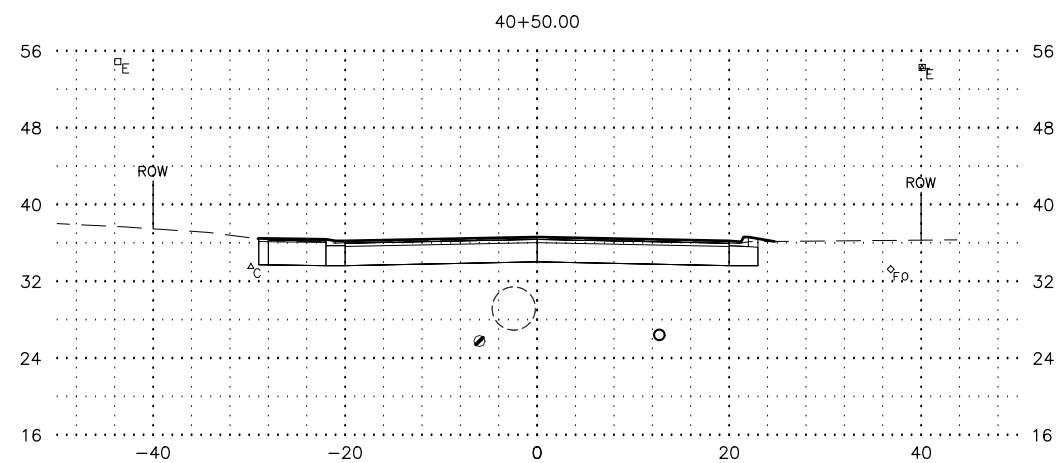
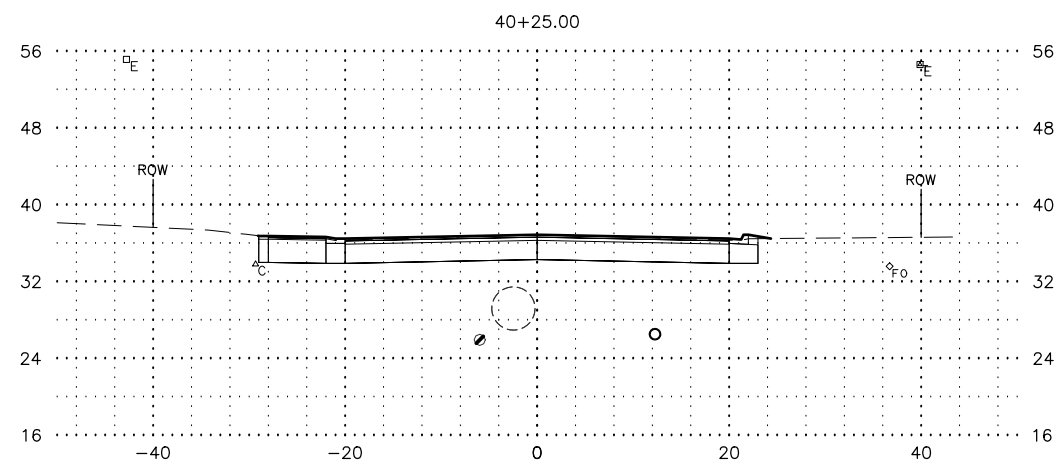
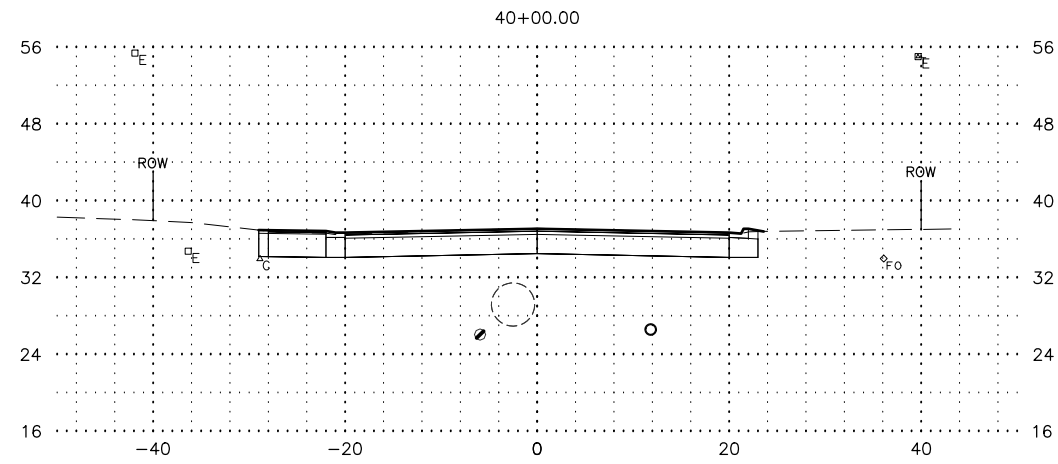
PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, AK 99053
(907) 346-2373
CERT. OF AUTH. NO. AECL 1102

The logo for Kinney Engineering, LLC features a stylized 'K' composed of two overlapping triangles, one blue and one yellow, to the left of the company name 'KINNEY' in a large, bold, serif font. Below 'KINNEY' is the text 'ENGINEERING, LLC' in a smaller, sans-serif font.

CITY OF VALDEZ
PAVEMENT MANAGEMENT
WEST EGAN DRIVE

CROSS SECTIONS

FILE Z:\PROJECTS\00581 VALDEZ DESIGN SERVICES\DWGS\C-EG\SHEETS\SECTIONS\00581 EG - SECTIONS.DWG DATE/TIME 3/2/2020 5:35 PM X18 LAYOUT DESIGNED CHECKED DRAFTED



SHEET NO.	TOTAL SHEETS
X18	X22
STATE	YEAR
ALASKA	2020
PROJECT DESIGNATION	
19-310-110	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

UTILITY LEGEND

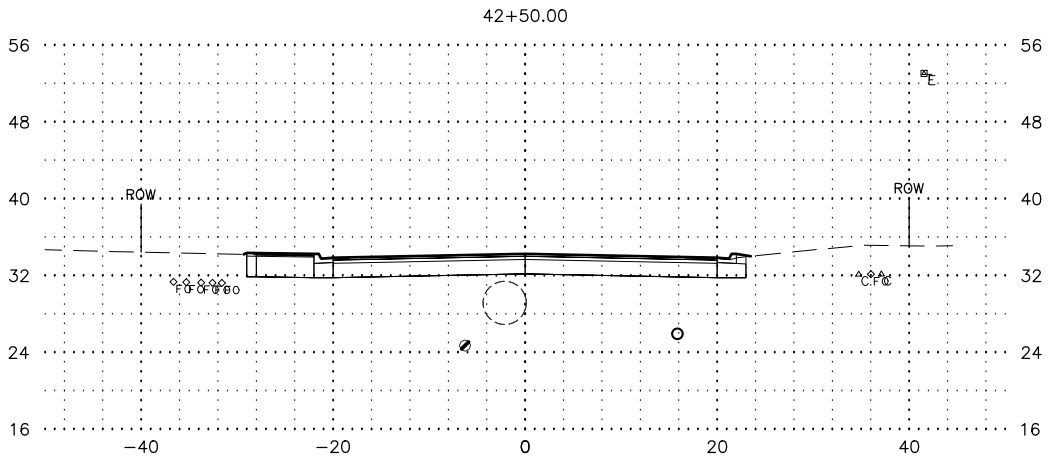
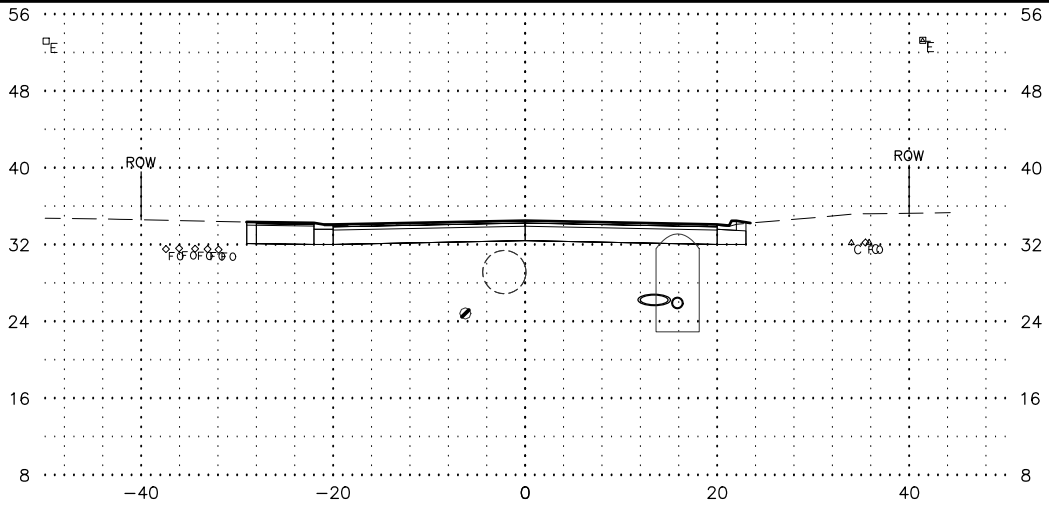
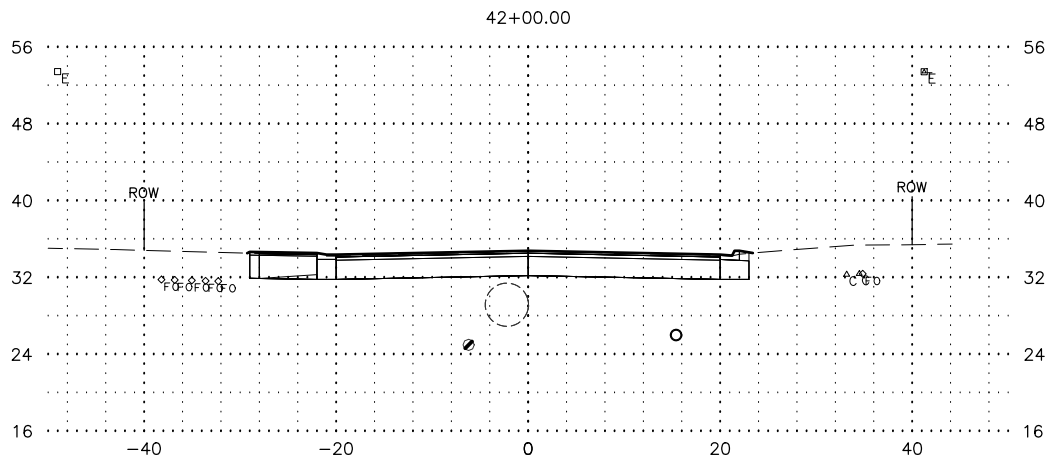
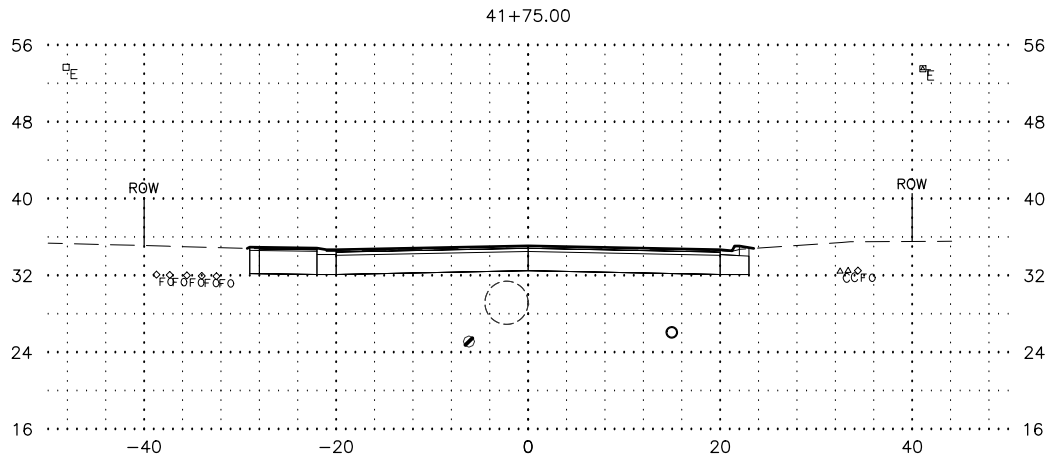
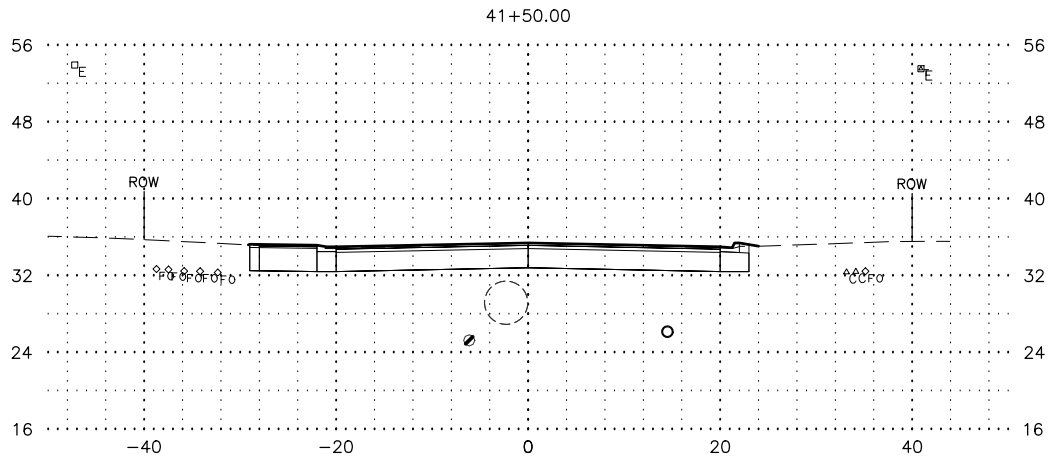
- EX. FIBER OPTIC ASSUMED ELEVATION
- EX. CABLE ASSUMED ELEVATION
- EX. TELEPHONE ASSUMED ELEVATION
- EX. ELECTRIC ASSUMED ELEVATION
- EX. GAS ASSUMED ELEVATION
- EX. WATER
- EX. SEWER
- EX. SD
- PROPOSED SD

ALL UTILITY ELEVATIONS ARE APPROXIMATE

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, AK 99503
(907) 346-2373
CERT. OF AUTH. NO. AECL 1102

CITY OF VALDEZ
PAVEMENT MANAGEMENT
WEST EGAN DRIVE

CROSS SECTIONS



SHEET NO.	TOTAL SHEETS
X19	X22
STATE	YEAR
ALASKA	2020
PROJECT DESIGNATION	
19-310-110	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

UTILITY LEGEND

EX. FIBER OPTIC ASSUMED ELEVATION

EX. CABLE ASSUMED ELEVATION

EX. TELEPHONE ASSUMED ELEVATION

EX. ELECTRIC ASSUMED ELEVATION

EX. GAS ASSUMED ELEVATION

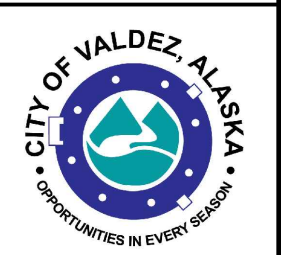
EX. WATER

EX. SEWER

EX. SD

PROPOSED SD

ALL UTILITY ELEVATIONS ARE APPROXIMATE



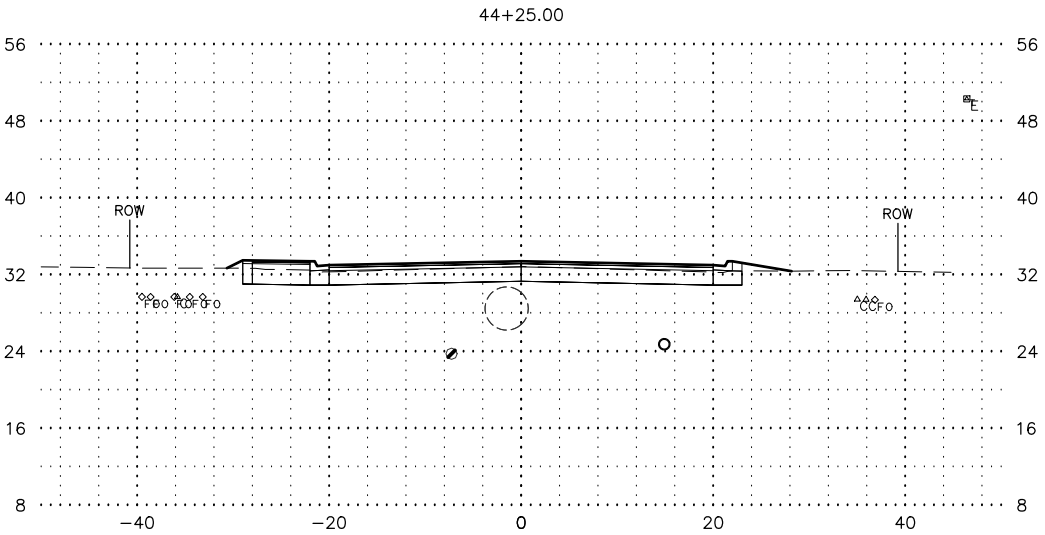
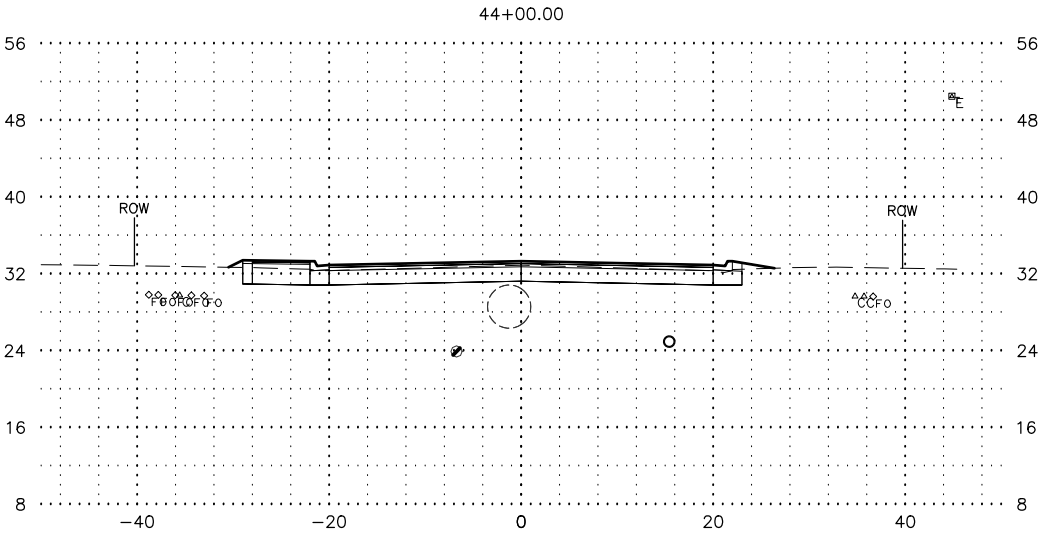
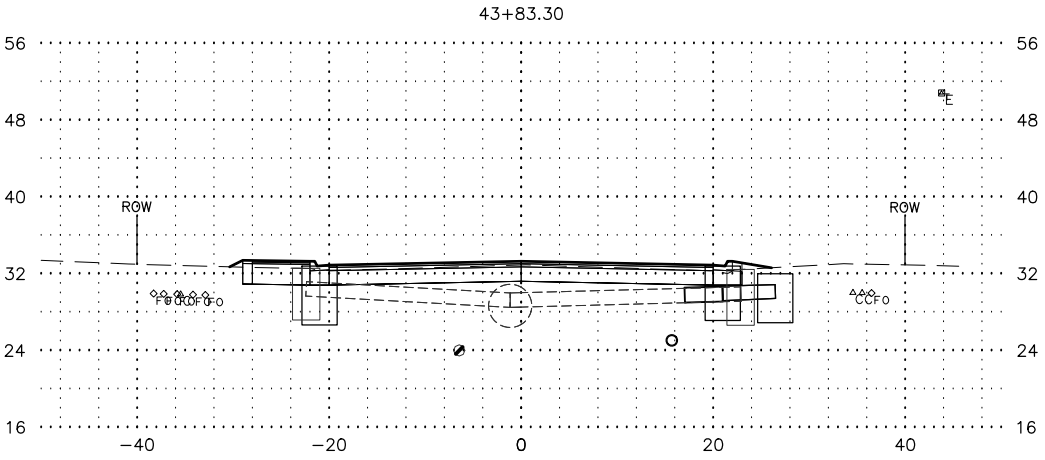
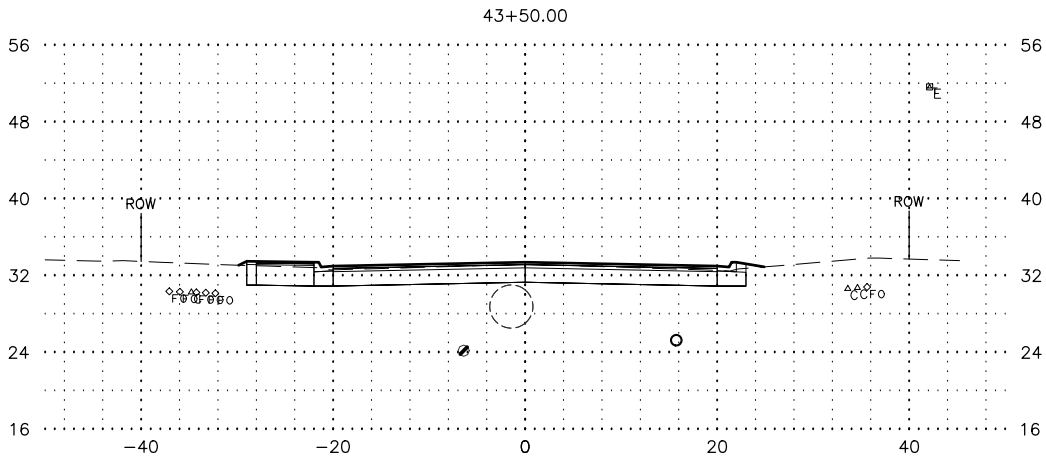
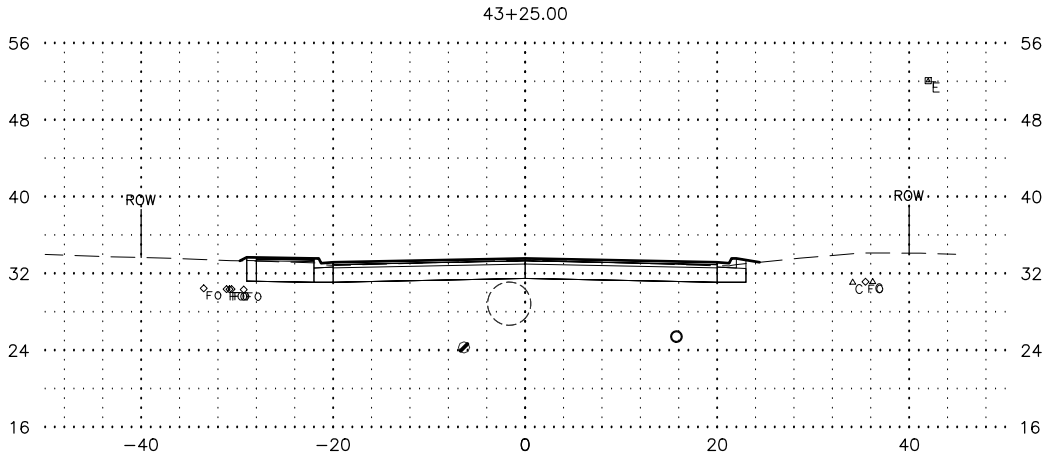
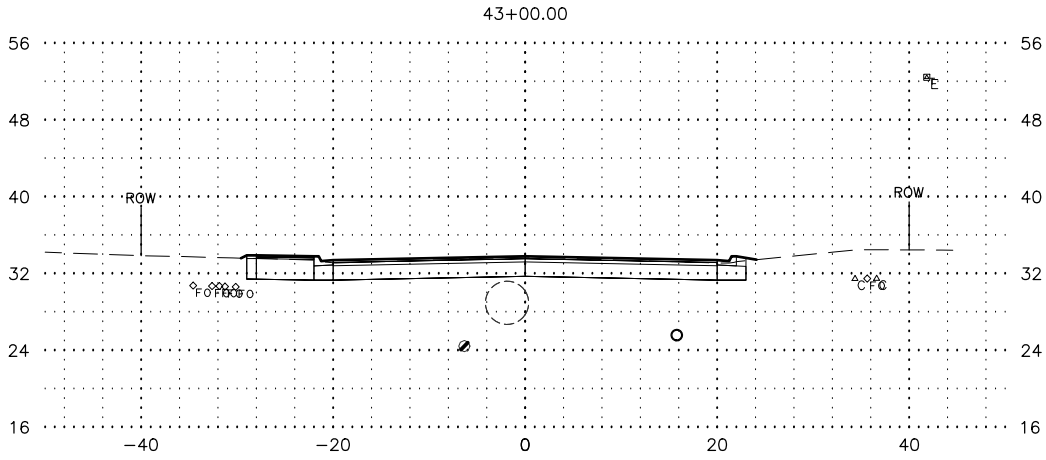
PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, AK 99503
(907) 346-2373
CERT. OF AUTH. NO. AECL 1102



CITY OF VALDEZ
PAVEMENT MANAGEMENT
WEST EGAN DRIVE

CROSS SECTIONS

FILE Z:\PROJECTS\00581 VALDEZ DESIGN SERVICES\DWGS\C-EG\SHEETS\SECTIONS\00581 EG - SECTIONS.DWG DATE/TIME 3/2/2020 5:35 PM X20 LAYOUT DESIGNED CHECKED DRAFTED



SHEET NO.	TOTAL SHEETS
X20	X22
STATE	YEAR
ALASKA	2020
PROJECT DESIGNATION	
19-310-110	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

UTILITY LEGEND

- EX. FIBER OPTIC ASSUMED ELEVATION
- EX. CABLE ASSUMED ELEVATION
- EX. TELEPHONE ASSUMED ELEVATION
- EX. ELECTRIC ASSUMED ELEVATION
- EX. GAS ASSUMED ELEVATION
- EX. WATER
- EX. SEWER
- EX. SD
- PROPOSED SD

ALL UTILITY ELEVATIONS ARE APPROXIMATE

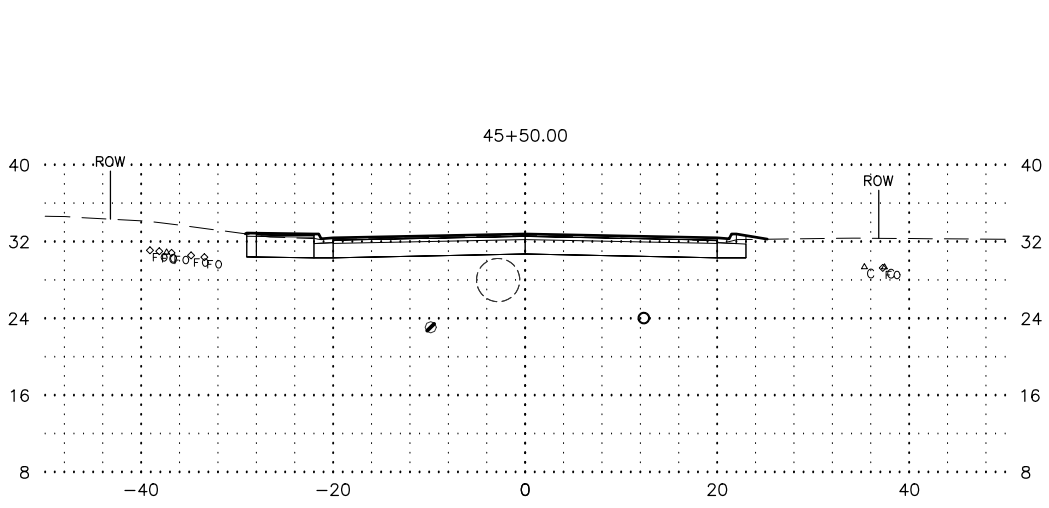
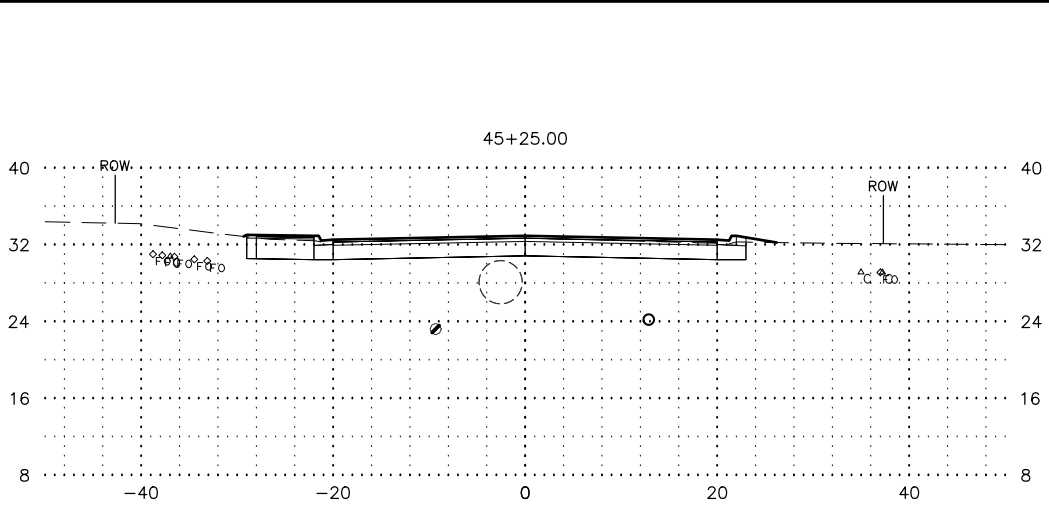
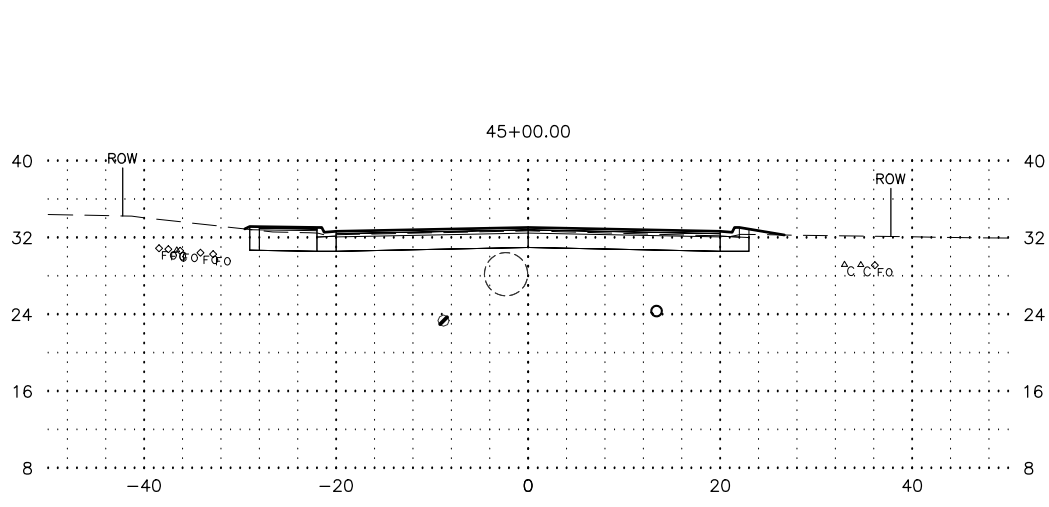
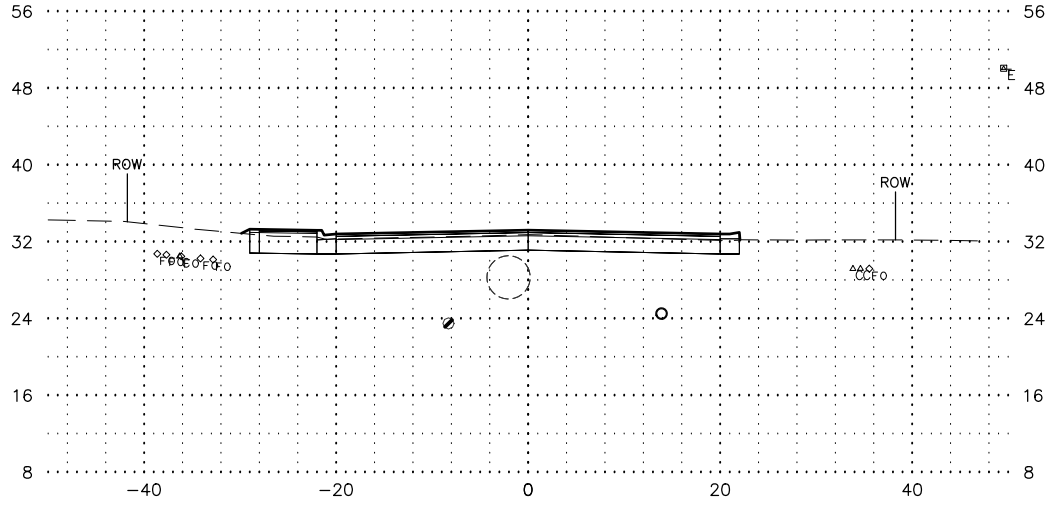
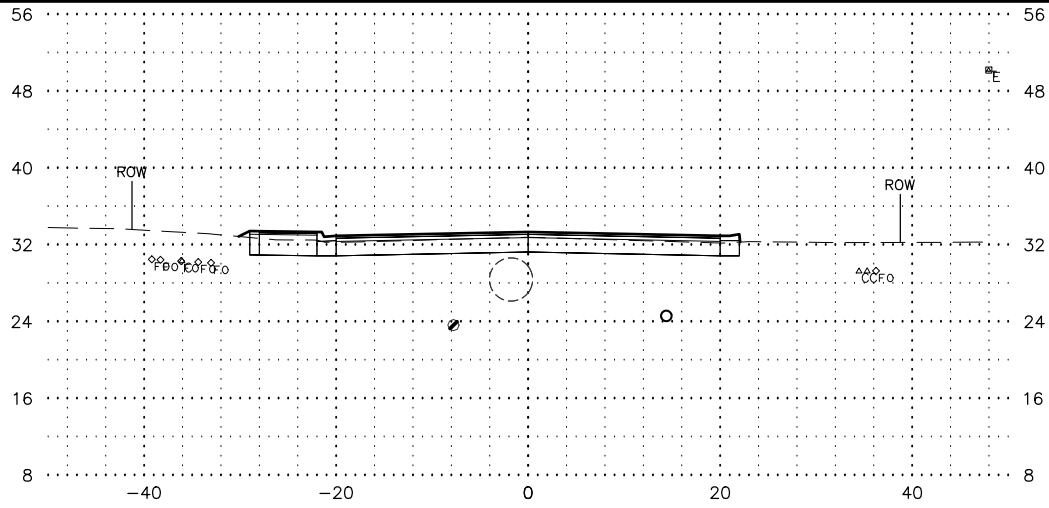
CITY OF VALDEZ, ALASKA
OPPORTUNITIES IN EVERY SEASON

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, AK 99503
(907) 346-2373
CERT. OF AUTH. NO. AECL 11102

KINNEY
ENGINEERING, LLC

CITY OF VALDEZ
PAVEMENT MANAGEMENT
WEST EGAN DRIVE

CROSS SECTIONS



SHEET NO.	TOTAL SHEETS
X21	X22
STATE	YEAR
ALASKA	2020
PROJECT DESIGNATION	
19-310-110	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

UTILITY LEGEND

EX. FIBER OPTIC ASSUMED ELEVATION

EX. CABLE ASSUMED ELEVATION

EX. TELEPHONE ASSUMED ELEVATION

EX. ELECTRIC ASSUMED ELEVATION

EX. GAS ASSUMED ELEVATION

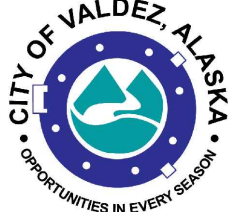
EX. WATER

EX. SEWER

EX. SD

PROPOSED SD

ALL UTILITY ELEVATIONS ARE APPROXIMATE



CITY OF VALDEZ, ALASKA
OPPORTUNITIES IN EVERY SEASON

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, AK 99503
(907) 346-2373
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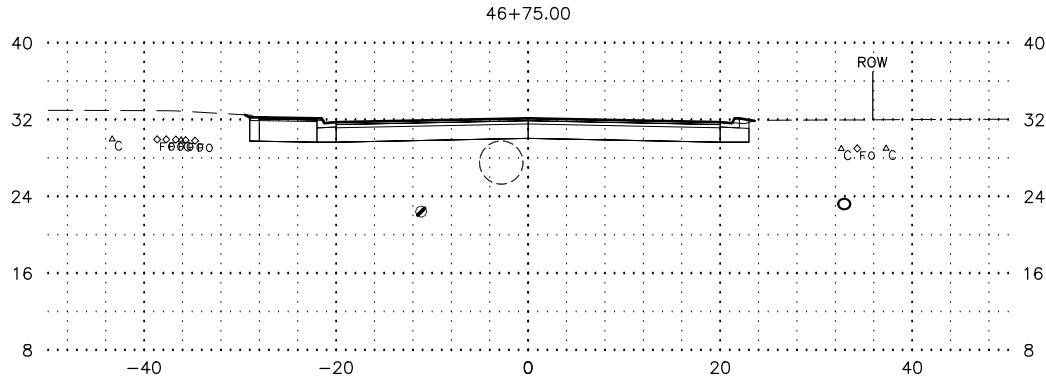
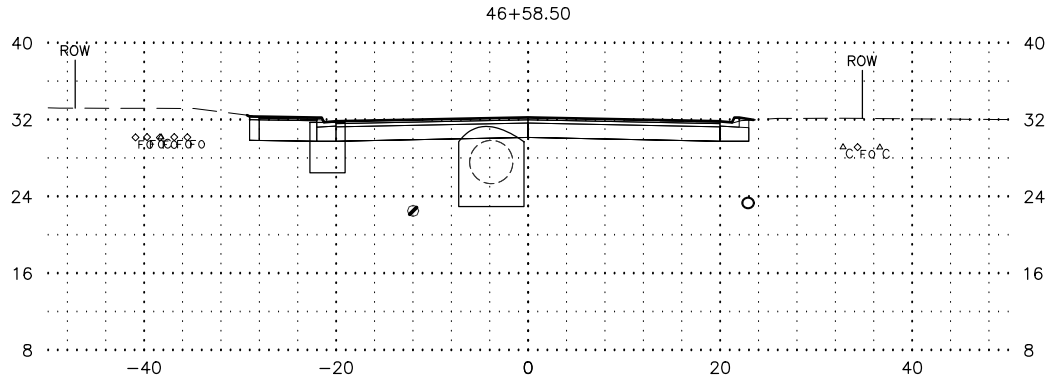
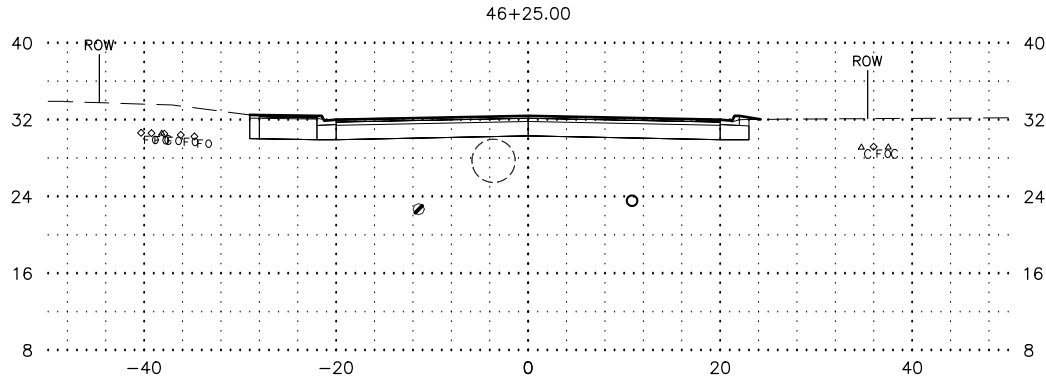
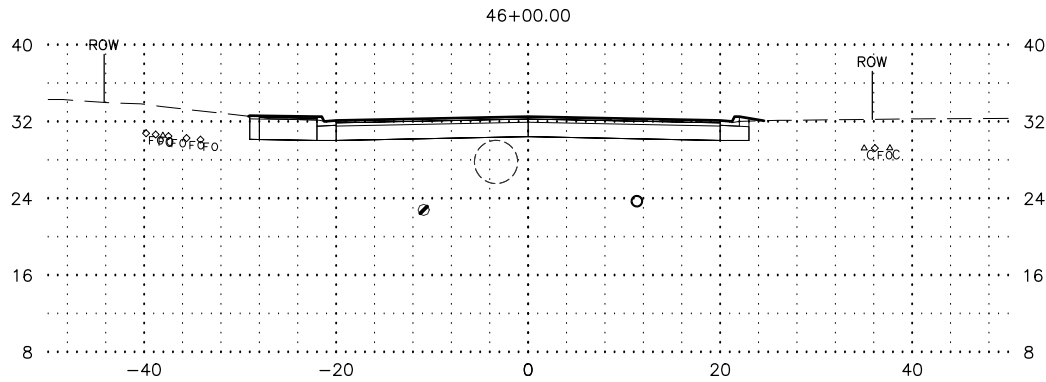


KINNEY
ENGINEERING, LLC

CITY OF VALDEZ
PAVEMENT MANAGEMENT
WEST EGAN DRIVE

CROSS SECTIONS

FILE Z:\PROJECTS\00581 VALDEZ DESIGN SERVICES\DWGS\C-EG\SHEETS\SECTIONS\00581 EG - SECTIONS.DWG 3/2/2020 5:36 PM X22 LAYOUT DESIGNED CHECKED DRAFTED



SHEET NO.	TOTAL SHEETS
X22	X22
STATE	YEAR
ALASKA	2020
PROJECT DESIGNATION	
19-310-110	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

UTILITY LEGEND

EX. FIBER OPTIC ASSUMED ELEVATION

EX. CABLE ASSUMED ELEVATION

EX. TELEPHONE ASSUMED ELEVATION

EX. ELECTRIC ASSUMED ELEVATION

EX. GAS ASSUMED ELEVATION

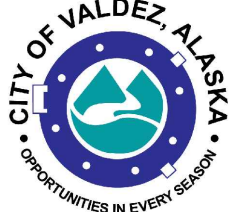
EX. WATER

EX. SEWER

EX. SD

PROPOSED SD

ALL UTILITY ELEVATIONS ARE APPROXIMATE



CITY OF VALDEZ, ALASKA
OPPORTUNITIES IN EVERY SEASON

PLANS DEVELOPED BY:
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ANCHORAGE, AK 99503
(907) 346-2373
CERT. OF AUTH. NO. AECL 11102



CITY OF VALDEZ
PAVEMENT MANAGEMENT
WEST EGAN DRIVE

CROSS SECTIONS