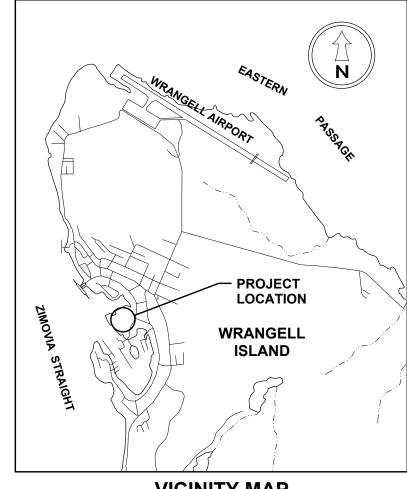
CITY AND BOROUGH OF WRANGELL WRANGELL MARINE SERVICE CENTER **CONCRETE PAVING- PHASE II** 2013



PROJECT SCHEDULE									
DESCRIPTION	EARLIEST START	SUBSTANTIAL COMPLETION SCHEDULE							
AREA 1	NTP	JUNE 14, 2013							
AREA 1A	NTP	JUNE 14, 2013							
AREA 1B	JUNE 14, 2013	JULY 8, 2013							
AREA 2	JULY 1, 2013	SEPTEMBER 1, 2013							
AREA 2A	JULY 1, 2013	SEPTEMBER 1, 2013							
AREA 3	SEPTEMBER 1, 2013	NOVEMBER 20, 2013							
AREA 3A	SEPTEMBER 1, 2013	NOVEMBER 20, 2013							
ADD. ALT. A	MAY 15, 2014	JUNE 30, 2014							
ADD. ALT. B	JULY 1, 2014	AUGUST 15, 2014							
ADD. ALT. C	JULY 1, 2014	AUGUST 15, 2014							
ADD. ALT. D	SPRING 2014	AUGUST 15, 2014							

NOTE: CONCRETE COMPRESSIVE STRENGTH SHALL OBTAIN 80% f'c BY THE SUBSTANTIAL COMPLETION DATES LISTED



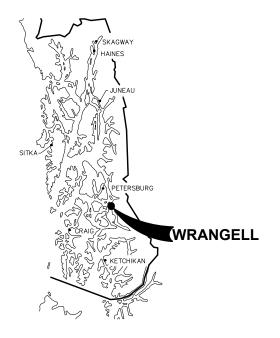
VICINITY MAP

DESIGN PARAMETERS:

APPLICABLE CODES:

LIVE LOADS:

TRUCK: ASSHTO HS20-44 FORKLIFT: 237,000 LBS AXLE, 118,500 LBS PER WHEEL TRAVELIFT: 300 BFM (300 TON) TRAVELIFT, 275,000 LBS WHEEL LOAD UNIFORM LOAD: 1000 PSF



SOUTHEAST ALASKA

F 18 1.02 LEGEND, ABBREVIATIONS & GENERAL NOTES F 18 1.03 EXISTING CONDITIONS AND SURVEY CONTROL F 18 1.04 DEMOLITION SITE PLAN F 18 2.01 OVERALL SITE PLAN - FINAL GRADE CONTOURS F 18 2.02 SITE PLAN - PARTIAL AREA 1 F 18 2.03 SITE PLAN - PARTIAL AREA 1, AREA 1A AND ADD. ALT. D F 18 2.04 SITE PLAN - AREA 2A, AREA 3A, AREA 1B AND ADD. ALT. C F 18 2.05 SITE PLAN - AREA 2, AREA 3, ADD. ALT. A AND ADD. ALT. C F 18 3.06 OVERALL SITE PLAN WATER AND SEWER F 18 3.01 SITE SECTIONS F 18 3.02 TYPICAL SECTIONS © 12" THICK CONCRETE SLAB F 18 3.04 TYPICAL SECTIONS © 14" THICK CONCRETE SLAB F 18 3.05 TYPICAL SECTIONS AND DETAILS F 18 3.06 STORM DRAIN DETAILS F 18 3.07 MISCELLANEOUS DETAILS F 18 3.08 FENCING DETAILS F 18 3.08 FENCING DETAILS F 18 5.00 OVERALL SITE PLAN F 18 E1.00 EXISTING SITE PLAN F 18 E1.01 EXISTING SITE PLAN F 18 E1.02 EXISTING SITE PLAN F 18 E2.01 PARTIAL SITE PLAN NEW F 18 E2.01 SINGLE LINE DIAGRAMS F 18 E2.03 SCHEDULE & DETAILS F 18 E2.04 WIRING DIAGRAMS			DRAWING INDEX
F 18 1.02 LEGEND, ABBREVIATIONS & GENERAL NOTES F 18 1.03 EXISTING CONDITIONS AND SURVEY CONTROL F 18 1.04 DEMOLITION SITE PLAN F 18 2.01 OVERALL SITE PLAN - FINAL GRADE CONTOURS F 18 2.02 SITE PLAN - PARTIAL AREA 1 F 18 2.03 SITE PLAN - PARTIAL AREA 1, AREA 1A AND ADD. ALT. D F 18 2.04 SITE PLAN - AREA 2A, AREA 3A, AREA 1B AND ADD. ALT. C F 18 2.05 SITE PLAN - AREA 2, AREA 3, ADD. ALT. A AND ADD. ALT. C F 18 3.06 OVERALL SITE PLAN WATER AND SEWER F 18 3.01 SITE SECTIONS F 18 3.02 TYPICAL SECTIONS © 12" THICK CONCRETE SLAB F 18 3.04 TYPICAL SECTIONS © 14" THICK CONCRETE SLAB F 18 3.05 TYPICAL SECTIONS AND DETAILS F 18 3.06 STORM DRAIN DETAILS F 18 3.07 MISCELLANEOUS DETAILS F 18 3.08 FENCING DETAILS F 18 3.08 FENCING DETAILS F 18 5.00 OVERALL SITE PLAN F 18 E1.00 EXISTING SITE PLAN F 18 E1.01 EXISTING SITE PLAN F 18 E1.02 EXISTING SITE PLAN F 18 E2.01 PARTIAL SITE PLAN NEW F 18 E2.01 SINGLE LINE DIAGRAMS F 18 E2.03 SCHEDULE & DETAILS F 18 E2.04 WIRING DIAGRAMS	HEET NO.	DWG. NO.	SHEET TITLE
EXISTING CONDITIONS AND SURVEY CONTROL 15 18 1.04 DEMOLITION SITE PLAN 15 18 2.01 OVERALL SITE PLAN — FINAL GRADE CONTOURS 15 18 2.02 SITE PLAN — PARTIAL AREA 1 15 18 2.03 SITE PLAN — PARTIAL AREA 1 15 18 2.04 SITE PLAN — PARTIAL AREA 1, AREA 1A AND ADD. ALT. D 15 18 2.05 SITE PLAN — AREA 2A, AREA 3A, AREA 1B AND ADD. ALT. O 15 18 2.06 OVERALL SITE PLAN WATER AND SEWER 15 18 3.01 SITE SECTIONS 15 18 3.02 TYPICAL SECTIONS @ 12" THICK CONCRETE SLAB 15 18 3.03 TYPICAL SECTIONS AND DETAILS 15 18 3.05 TYPICAL SECTIONS AND DETAILS 15 18 3.06 STORM DRAIN DETAILS 15 18 3.07 MISCELLANEOUS DETAILS 15 18 3.08 FENCING DETAILS 15 18 3.08 FENCING SITE PLAN 15 18 5.00 OVERALL SITE PLAN 15 18 5.00 STORM DRAIN DETAILS 15 18 5.00 STORM DRAIN DETAILS 15 18 5.00 STORM DRAIN DETAILS 15 18 5.00 OVERALL SITE PLAN 15 18 E1.00 OVERALL SITE PLAN 15 18 E1.01 EXISTING SITE PLAN 15 18 E1.02 EXISTING SITE PLAN 15 18 E2.01 PARTIAL SITE PLAN NEW 15 18 E2.02 SINGLE LINE DIAGRAMS 15 18 E2.03 SCHEDULE & DETAILS 15 18 E2.04 WIRING DIAGRAMS	OF 18	1.01	COVER SHEET, VICINITY MAP AND DRAWING INDEX
F 18	OF 18	1.02	LEGEND, ABBREVIATIONS & GENERAL NOTES
F 18	OF 18	1.03	EXISTING CONDITIONS AND SURVEY CONTROL
F 18 2.02 SITE PLAN - PARTIAL AREA 1 F 18 2.03 SITE PLAN - PARTIAL AREA 1, AREA 1A AND ADD. ALT. D F 18 2.04 SITE PLAN - AREA 2A, AREA 3A, AREA 1B AND ADD. ALT. C F 18 2.05 SITE PLAN - AREA 2, AREA 3, ADD. ALT. A AND ADD. ALT. C F 18 2.06 OVERALL SITE PLAN WATER AND SEWER F 18 3.01 SITE SECTIONS	OF 18	1.04	DEMOLITION SITE PLAN
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TYPICAL SECTIONS AND DETAILS	3 OF 18		
18	F OF 18		
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CTRICAL	OF 18		STORM DRAIN DETAILS
T 18 3.08 FENCING DETAILS CTRICAL	7 OF 18		
F 8	8 OF 18		FENCING DETAILS
F 8	EI ECTDI	241	
F 8	1 OF 8		OVERALL SITE PLAN
F 8	2 OF 8		
F 8	3 OF 8		
F 8	4 OF 8		
F 8 E2.03 SCHEDULE & DETAILS F 8 E2.04 WIRING DIAGRAMS	OF 8		
F 8 E2.04 WIRING DIAGRAMS	OF 8		
	OF 8		
F 8 E2.05 DETAILS	3 OF 8	E2.05	DETAILS

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		REVISIONS			
REV.	DATE	DESCRIPTION	DWN.	CKD.	APP.



DESIGN: PLR CHECKED: PLR

9360 Glacier Highway, Ste. 100 Juneau, Alaska 99801

AS SHOWN

Phone: 907-586-2093 Fax: 907-586-2099 www.pndengineers.cor



CITY AND BOROUGH OF WRANGELL, ALASKA WRANGELL MARINE SERVICE CENTER **CONCRETE PAVING- PHASE II**

SHEET TITLE.
COVER SHEET, VICINITY MAP **AND DRAWING INDEX**

PND PROJECT NO., 112071.03 DWG. FILE, 1.01*.DWG

1.01

ABBREVIATIONS

GALLONS PER MINUTE GROUND GATE VALVE

A		Н		R	
о О	AT	H&T	HUB & TACK	RAD	RADIUS
AC	ASBESTOS CEMENT PIPE	HD	HEAVY DUTY	RE.	RIM ELEVATION
ACP	ASPHALT CONCRETE PAVEMENT	HDG	HOT DIPPED GALVANIZED	REF	REFERENCE
ADJ	ADJUSTABLE	HDPE	HIGH DENSITY POLYETHYLENE	REINF	REINFORCEMENT
APF	ASSOCIATED PILE AND FITTING CORP.		HORIZONTAL	REQD	REQUIRED
APPROX.	APPROXIMATE	HSE	HOUSE		RETAINING
AV	AIR RELEASE VALVE	HT	HEIGHT	RET	
	AIR RELEASE VALVE			RO ROW	ROUGH OPENING
В	DUTTEDELY VALVE	HWY.	HIGHWAY	ROW	RIGHT OF WAY
BFV	BUTTERFLY VALVE	1		S	
BLDG	BUILDING	ID	INSIDE DIAMETER	S	SOUTH
B0P	BEGINNING OF PROJECT	ΪĒ	INVERT ELEVATION	SCHED	SCHEDULE
BTM,BOT	BOTTOM	ΪΝ	INCH	SD	STORM DRAIN
С		ΪΡ	IRON PIPE	SDI	STORM DRAIN INLET STRUCTURE
C/0	CLEANOUT	INCL	INCLUDE (D) (ING)	SDO	STORM DRAIN OUTLET STRUCTURE
C&G	CURB & GUTTER	INSUL	INSULATE (Ď) (IOŃ)	SDR	STANDARD DIMENSION RATIO
CB	CATCH BASIN	INV	INVERT	SF	SQUARE FOOT
ČI	CAST IRON			SHLDR	SHOULDER
CIP	CAST-IN-PLACE	J		SI	STREET INTERSECTION
CJ	CONTROL JOINT	JB	JUNCTION BOX	SIM	SIMILAR
Ç.	CENTER LINE	L		SPEC	SPECIFICATION (S)
ČLR	CLEAR		DOLINDO	SQ	SQUARE
CMP	CORRUGATED METAL PIPE	LBS	POUNDS	SSC	SANITARY SEWER CONNECTION
CO	CLEANOUT	LF	LINEAR FEET	SS	STAINLESS STEEL CANITARY SEMED
C.O.E.	CORPS OF ENGINEERS	LL	LIVE LOAD	SDMH	STAINLESS STEEL, SANITARY SEWER STORM DRAIN MANHOLE
CONC.	CONCRETE	LOC	LOCATION	SSMH	SANITARY SEWER MANHOLE
CONT.	CONTINUOUS	LS	LUMP SUM	STA	STATION
CP	COMPLETE PENETRATION	14		STD	STANDARD
CPP	CORRUGATED POLYETHYLENE PIPE	М		STL	STEEL
CPP-S	CORRUGATED POLYETHYLENE PIPE	MAX	MAXIMUM	STRG	STRONG
OFF-3	- SMOOTH WALL	ME	MATCH EXISTING	SW	SIDEWALK
COR	CORNER	MECH	MECHANICAL	SWR	
CSC	COUNTERSINK	MFR	MANUFACTURE (R)		SEWER SOLLARE VARD
		MH	MANHOLE	SY	SQUARE YARD
CTR	CENTER	MI	MALLEABLE IRON	SYM	SYMMETRICAL
CY	CUBIC YARD	MIN	MINIMUM	T	
D		MLLW	MEAN LOWER LOW WATER	t	THICK
D/DIA/ø	DIAMETER	MSF	1000 SQUARE FEET		
DBL	DOUBLE	MSE	MECHANICALLY STABILIZED EARTH	T&B	TOP AND BOTTOM
DL	DEAD LOAD	MTL	MATERIAL (S)	T&G	TONGUE AND GROOVE
DIP	DUCTILE IRON PIPE	N		TBC	TOP BACK OF CURB
DIM	DIMENSION	N	NORTH	TBM	TEMPORARY BENCH MARK
DN	DOWN	NFS	NON FROST SUSCEPTIBLE	TD	TRENCH DRAIN
DTL	DETAIL			TEL	TELEPHONE
	DETAIL	NIC	NOT IN CONTRACT	TEMP	TEMPERATURE, TEMPORARY
E		NO NTC	NUMBER	TH	TEST HOLE
E	EAST	NTS	NOT TO SCALE	THK	THICK
EA.	EACH	0		TRANS	TRANSVERSE
EJ	EXPANSION JOINT	OBD	OVERBURDEN	TV	TELEVISION
EL/ELEV	ELEVATION	OC	ON CENTER	TYP	TYPICAL
EOP	END OF PROJECT	ŌD	OUTSIDE DIAMETER	U	
EOCP	EDGE OF CONCRETE PAVEMENT	ŌĠ	ORIGINAL GROUND		
EQ	EQUAL	OHE	OVERHEAD ELECTRICAL	UBC	UNIFORM BUILDING CODE
EQUIP	EQUIPMENT	OWS	OIL-WATER SEPARATOR	UE	UNDERGROUND ELECTRIC
EST	ESTIMATE	OWS OPP	OPPOSITE	UMC	UNIFORM MECHANICAL CODE
EXC	EXCAVATE			UHMW	ULTRA HIGH MOLECULAR WEIGHT
EXIST		Р		UON	UNLESS OTHERWISE NOTED
	EXISTING	Р	PIPE	UPC	UNIFORM PLUMBING CODE
EW	EACHWAY	PC	POINT OF CURVATURE, PIECE	v	
F		PCC	PRECAST CONCRETE	٧	
FC .	FACE OF CURB	PED	PEDESTAL	VB	VALVE BOX
FD	FLOOR DRAIN	PER	PERIMETER	VERT	VERTICAL
FF	FINISHED FLOOR	PERF	PERFORATE (D)		
FH	FIRE HYDRANT, FLAT HEAD	PI	POINT OF INTERSECTION	W	
FIN	FINISH (ED)	PLWD	PLYWOOD	W	WEST
FM	FORCE MAIN SEWER	PLWD PL	PROPERTY LINE, PLATE	W/	WITH
FND	FOUNDATION			WĎ	WOOD
FT	FOOT	PROJ	PROJECT	WELDMT	WELDMENT
	FOOTING	PRV	PRESSURE REDUCING VALVE	WL	WATERLINE
FTG		PSI	POUND PER SQUARE INCH	WV	WATER VALVE
FL	FLOWLINE	PT	POINT, PRESSURE TREATED,	W/O	WITHOUT
G		B110	POINT OF TANGENCY	w/O	WITHOUT
GAL	GALLON	PVC	POINT OF VERTICAL CURVATURE,	Χ	
GALV	GALVANIZED	Q	POLY VINYL CHLORIDE	XFMR	TRANSFORMER
GB	GRADE BREAK		OHANTITY	<pt< td=""><td></td></pt<>	
GPM	GALLONS PER MINUTE	QTY	QUANTITY	\r I	ANGLE POINT
OI IVI	ONLLONG LEN WIINUIL				

GENERAL NOTES

- 1. CONTRACTOR SHALL INSTALL TEMPORARY DEVICES CONSISTING OF BUT NOT LIMITED TO STRAW BALES, FILTER FABRIC FENCES, SETTLING POND, ETC., TO PROHIBIT SILT LADEN DEWATERING EFFLUENT AND OTHER CONSTRUCTION RUNOFF FROM ENTERING ADJACENT WATER BODIES. CONTRACTOR IS RESPONSIBLE FOR THE QUALITY OF THE DEWATERING EFFLUENT AND OTHER CONSTRUCTION RUNOFF THAT ENTERS ADJACENT WATER BODIES AND IS, THEREFORE, RESPONSIBLE FOR VIOLATIONS AND PENALTIES FROM HIS OPERATIONS. SWPPP REQUIRED PER SECTION 01570.
- 2. PROPERTY DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ITS PRE-CONSTRUCTION CONDITION OR BETTER AT NO ADDITIONAL COST.
- 3. EXISTING UTILITIES & DRAIN PIPE LOCATIONS ARE DERIVED FROM WRANGELL AS—BUILTS OR FIELD LOCATES. ACTUAL LOCATIONS WILL VARY FROM THOSE SHOWN. DEPTH OF EXISTING PIPES SHOWN ON ELEVATIONS ARE ASSUMED. DIAL BEFORE YOU DIG.
- 4. GRADING, STRUCTURES & FINAL SURFACING ARE SUBJECT TO MINOR REVISIONS BY THE ENGINEER TO FIT SITE CONDITIONS. GRADE ALL IMPROVEMENTS WITH POSITIVE DRAINAGE AWAY FROM STRUCTURES. (INCIDENTAL)

LEGEND

EXISTING	PROPOSED		EXISTING	PROPOSED	
		CENTERLINE EDGE ACP OR GRAVEL ROADWAY	₩V	₩V	RAISE KEY BOX/WATER VALVE
- X — X — X –		FENCE OVERHEAD ELECTRIC LINE	О—ф		LIGHT POLE OR PILE MOUNTED LIGHT RADIUS TO LOCATION
——————————————————————————————————————		PROPERTY LINE UNDERGROUND ELECTRIC	Øssмн	4	SHOWN (FEET) SANITARY SEWER MANHOLE
SS _X		UNDERGROUND SANITARY SEWER LINE UNDERGROUND STORM DRAIN PIPE	C/0 ⊚	C/0 ⊚	SANITARY SEWER CLEANOUT
		ABANDONED UNDERGROUND STORM DRAIN PIPE UNDERGROUND WATER LINE	b P		SIGN STORM DRAIN MANHOLE W/ CONC. AREA DRAIN
	— GB · · —	GRADE BREAK SAWCUT AND EXISTING CONCRETE DEMOLITION LIMITS	P TR		TELEPHONE RISER
D		SET SPIKE OR PK NAIL	+ \2 _{5,2}	23.2	TREE(S)
•		SURVEY MONUMENT	70.2		GROUND SPOT ELEVATION (MLLW)
● E	Φ	STORM DRAIN INLET ELECTRICAL PEDESTAL		(319)	LAYOUT POINT
⊠ XFMR	Т	ELECTRICAL TRANSFORMER		■ N	DETAIL REFERENCE, INDICATES POINT AND DIRECTION OF REQUIRED SECTION.
♥FH <		FIRE HYDRANT GUY ANCHOR		S2	STORM DRAIN SYSTEM STRUCTURE
PP	Н	UTILITY POLE ELECTRICAL HANDHOLE			

		REVISIONS			
REV.	DATE	DESCRIPTION	DWN.	CKD.	APP.



DESIGN: PLR CHECKED: PLR

DRAWN, KLL/WRB APPROVED, CRS

9360 Glacier Highway, Ste. 100 Juneau, Alaska 99801 Phone: 907-586-2093 Fax: 907-586-2099 www.pndengineers.com

CE-8845

CE-8845

CE-8845

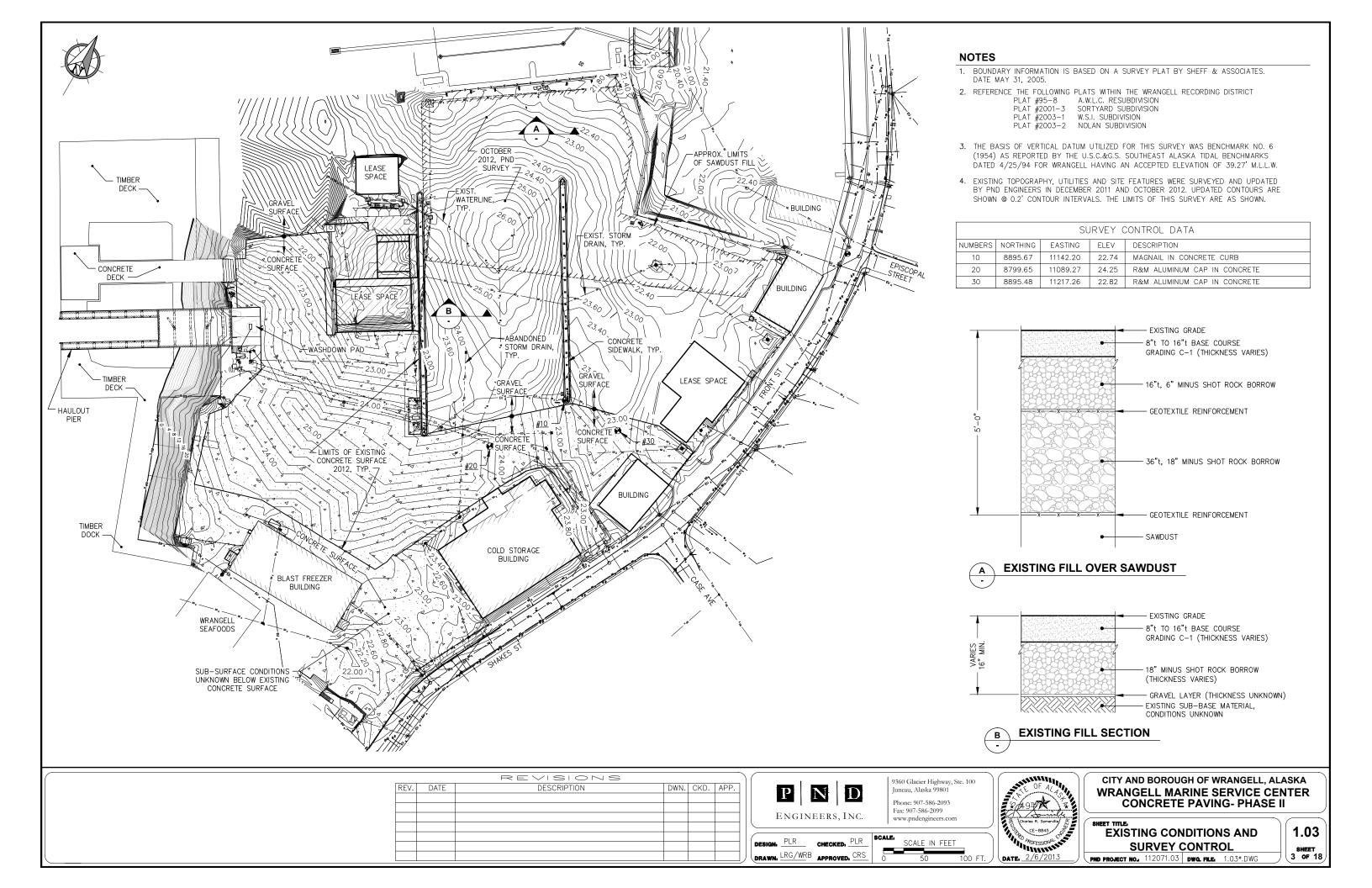
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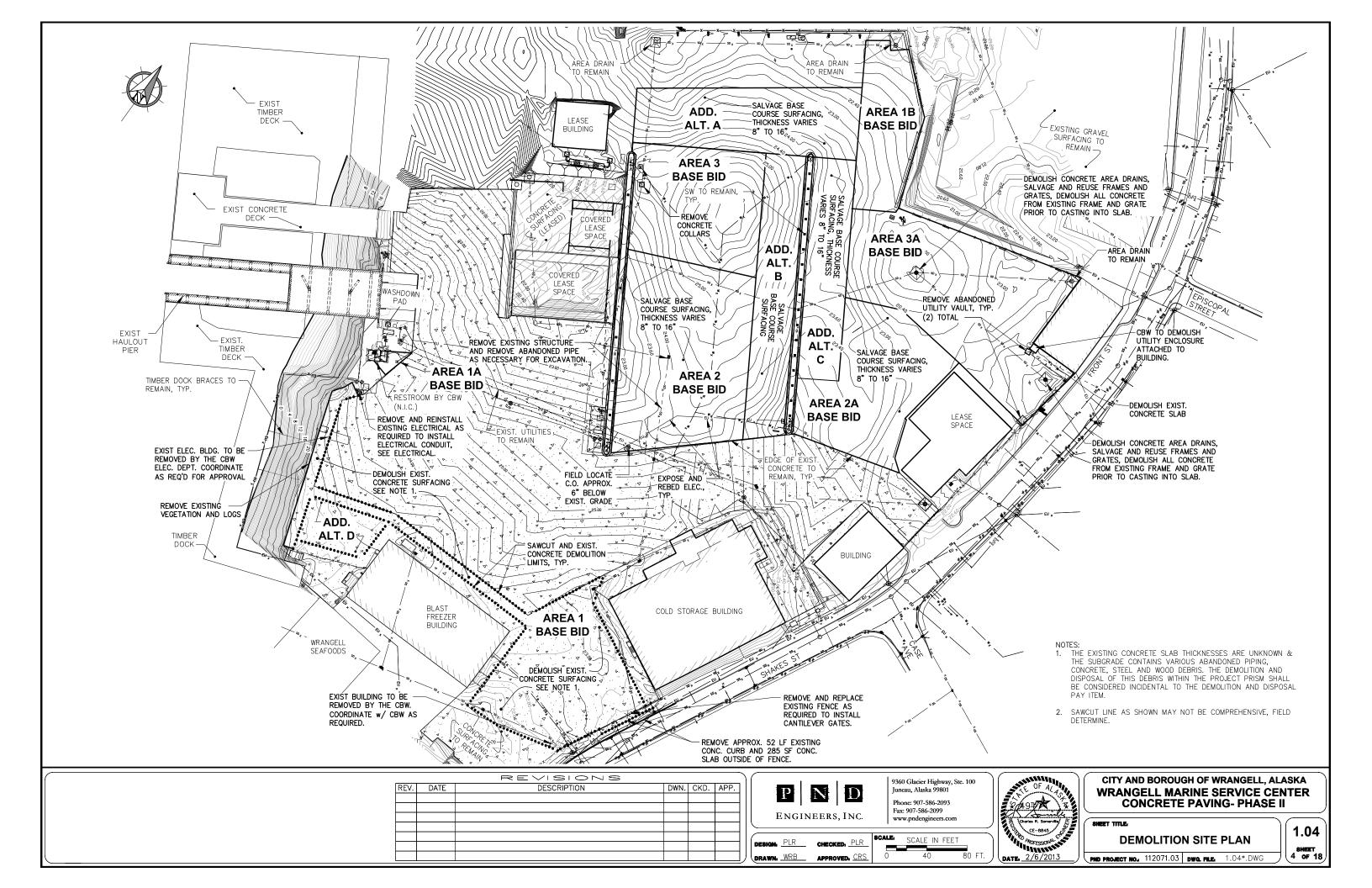
CE-800 Pa AS SHOWN

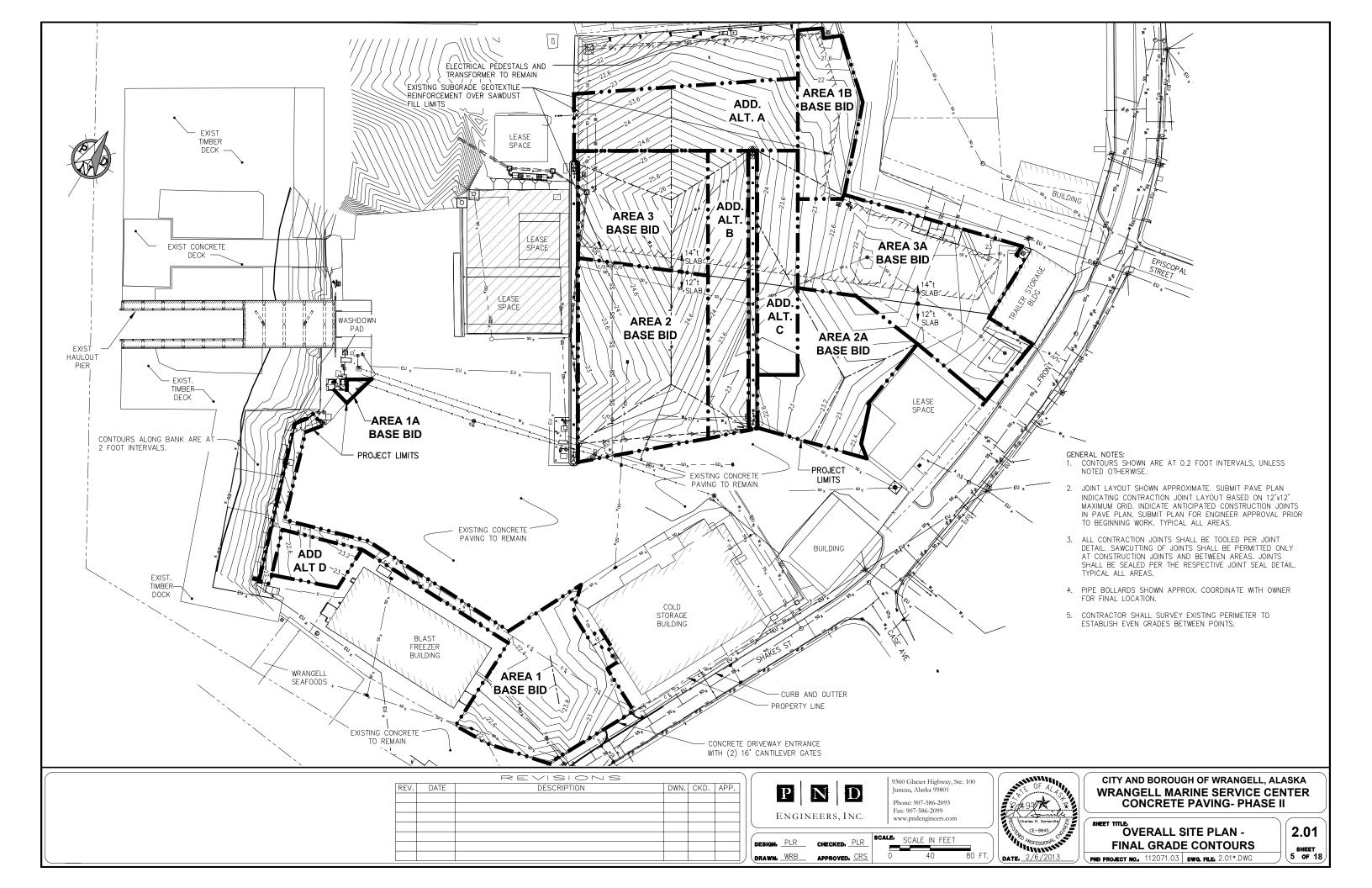


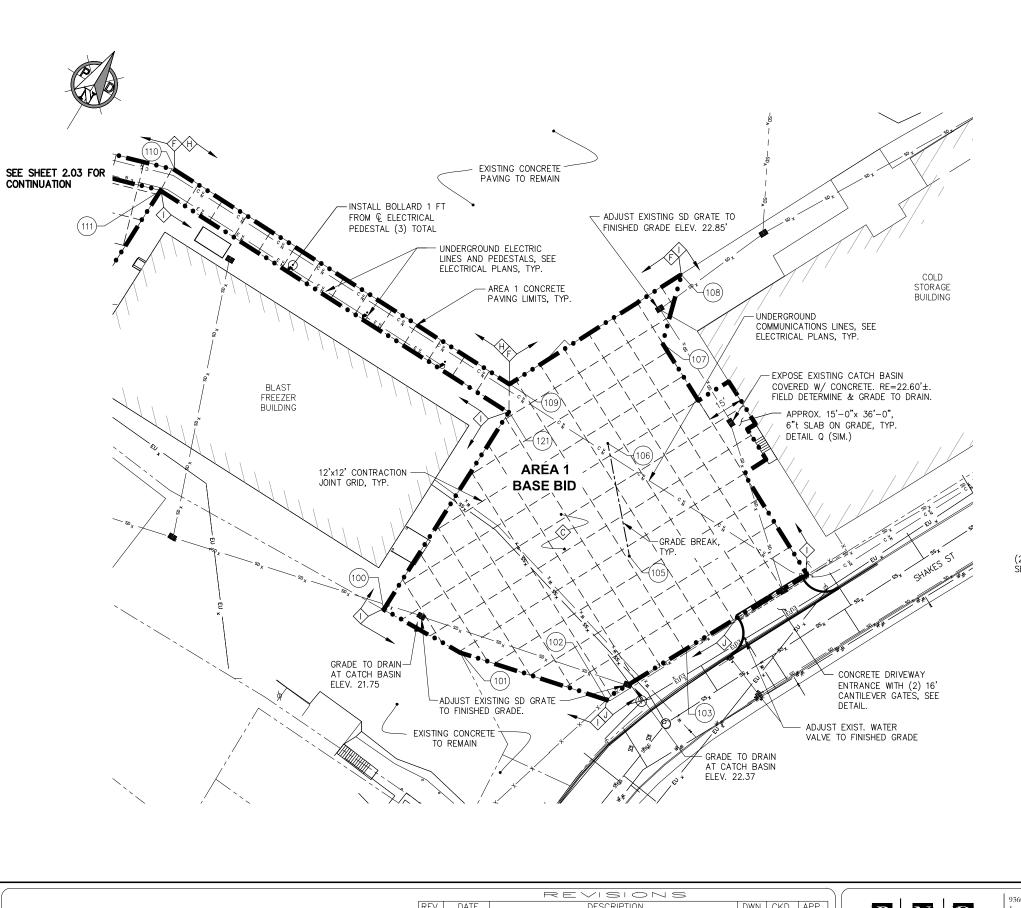
LEGEND, ABBREVIATIONS & GENERAL NOTES PND PROJECT NO., 112071.03 DWG. FILE, 1.02*.DWG

1.02 SHEET 2 OF 18

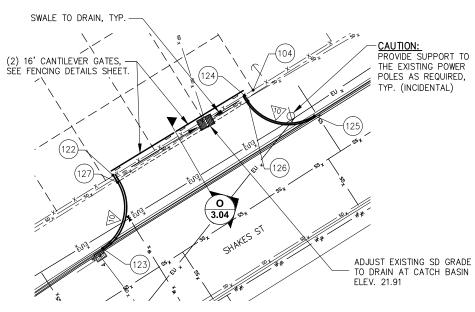








LAYOUT TABLE										
Point #	Elevation	Northing	Easting	Description						
100	22.02	8488.91	11046.06	FG CONC, ME						
101	22.03	8490.12	11082.72	FG CONC, ME						
102	22.64	8504.82	11145.14	FG CONC, ME						
103	22.91	8539.76	11162.14	FG CONC, ME						
104	21.96	8592.64	11189.49	FG CONC						
105	23.98	8560.69	11122.48	FG CONC						
106	23.50	8596.39	11090.26	FG CONC						
107	23.02	8643.87	11088.53	FG CONC, ME						
108	23.52	8672.94	11080.26	FG CONC, ME						
109	23.42	8596.51	11042.37	FG CONC, ME						
110	23.38	8601.12	10877.18	FG CONC, ME						
111	23.28	8590.44	10876.36	FG CONC, ME						
121	23.39	8586.49	11048.30	FG CONC, ME						
122	22.25	8562.32	11173.97	END CURB						
123	21.79	8548.12	11179.74	PC, ME						
124	21.96	8590.71	11188.69	END CURB						
125	21.43	8594.60	11203.37	PC, ME						
126	21.95	8594.52	11203.51	PT						
127	22.23	8594.52	11203.51	PT						



CONCRETE DRIVEWAY ENTRANCE DETAIL

REV. DATE DESCRIPTION DWN. CKD. APP.

N ENGINEERS, INC. 9360 Glacier Highway, Ste. 100 Juneau, Alaska 99801 Phone: 907-586-2093 Fax: 907-586-2099 www.pndengineers.com

APOFESSION ALLES DATE: 2/6/2013

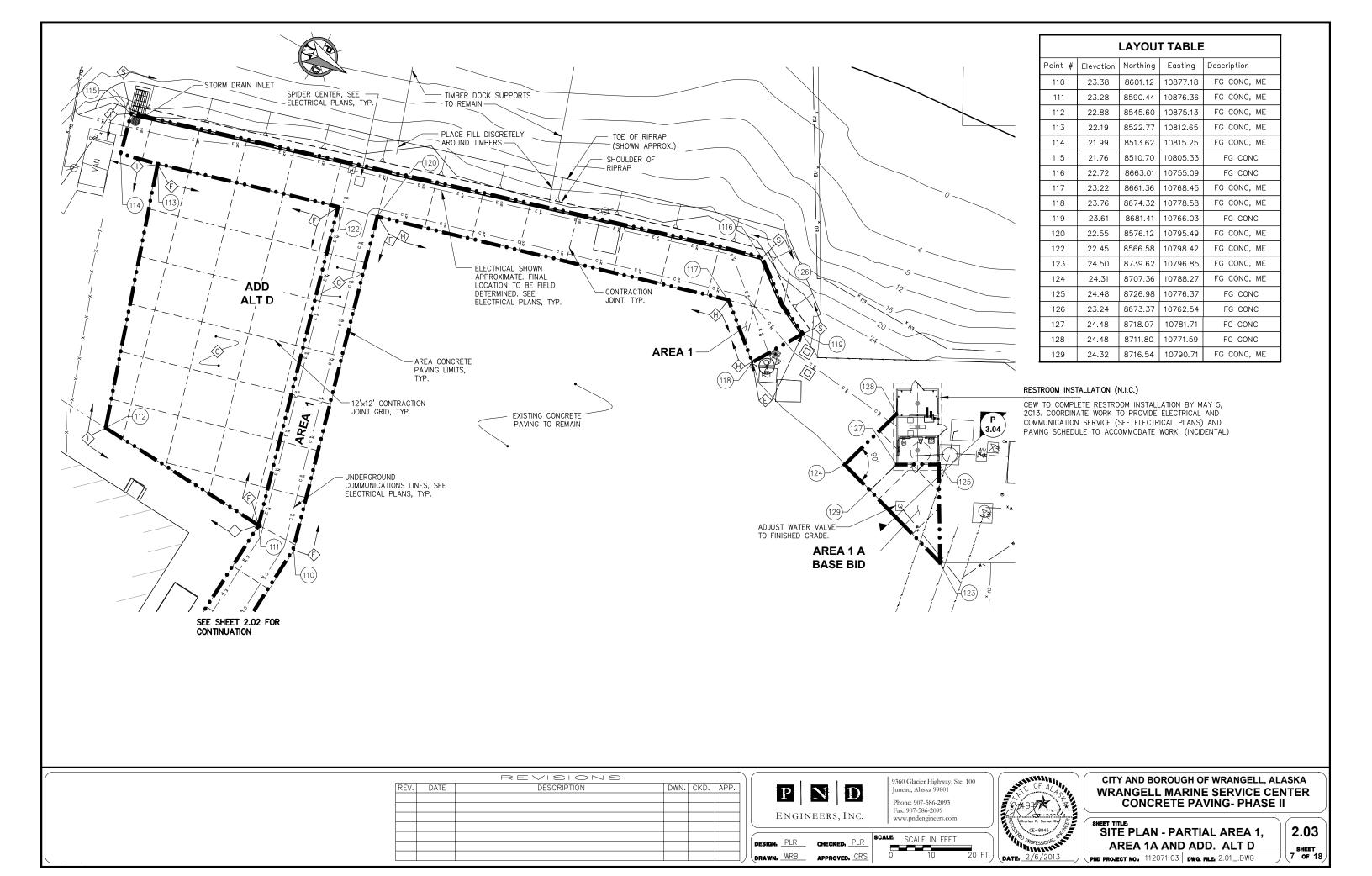
CITY AND BOROUGH OF WRANGELL, ALASKA WRANGELL MARINE SERVICE CENTER **CONCRETE PAVING- PHASE II**

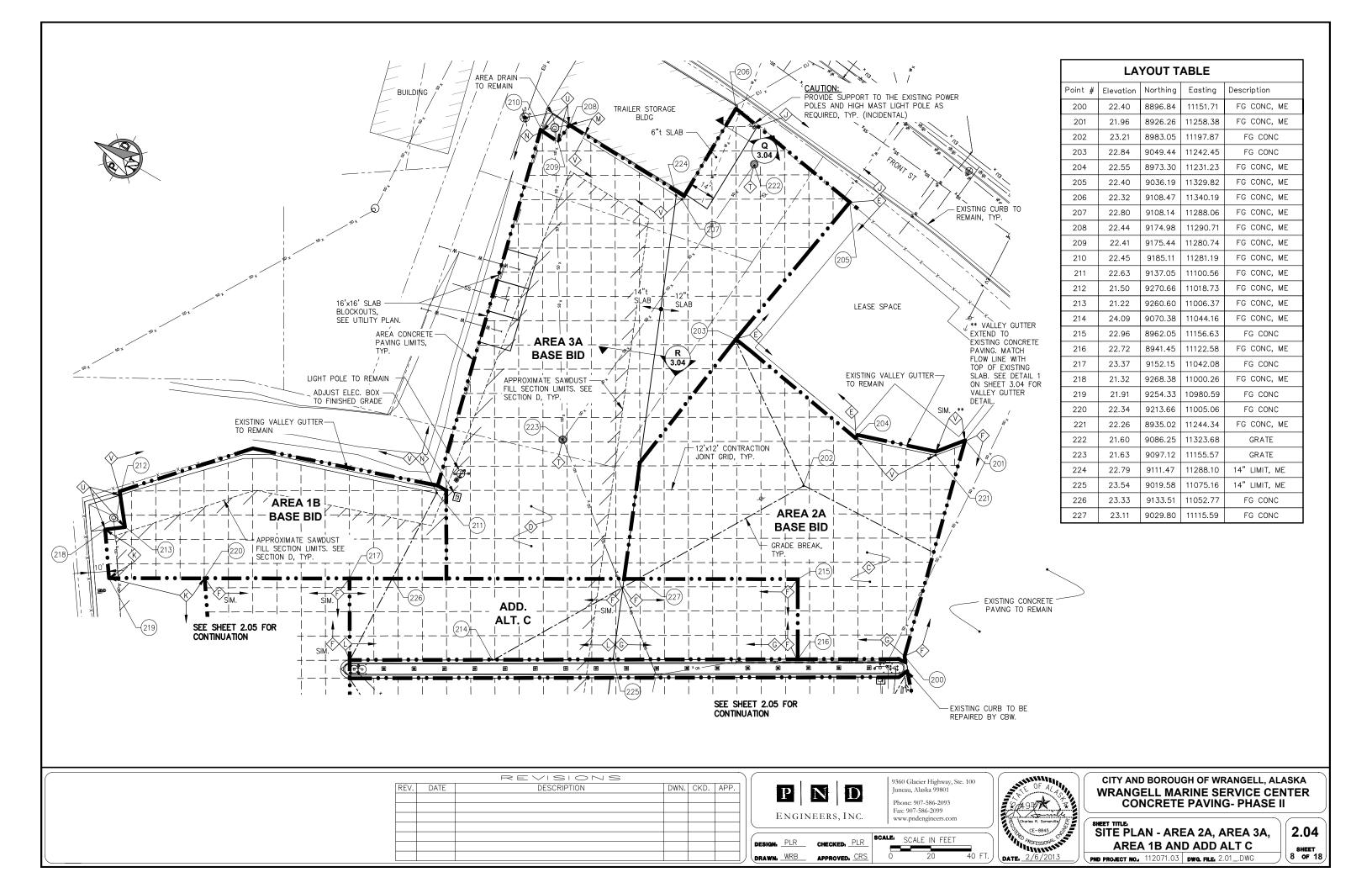
SHEET TITLE **SITE PLAN - PARTIAL AREA 1**

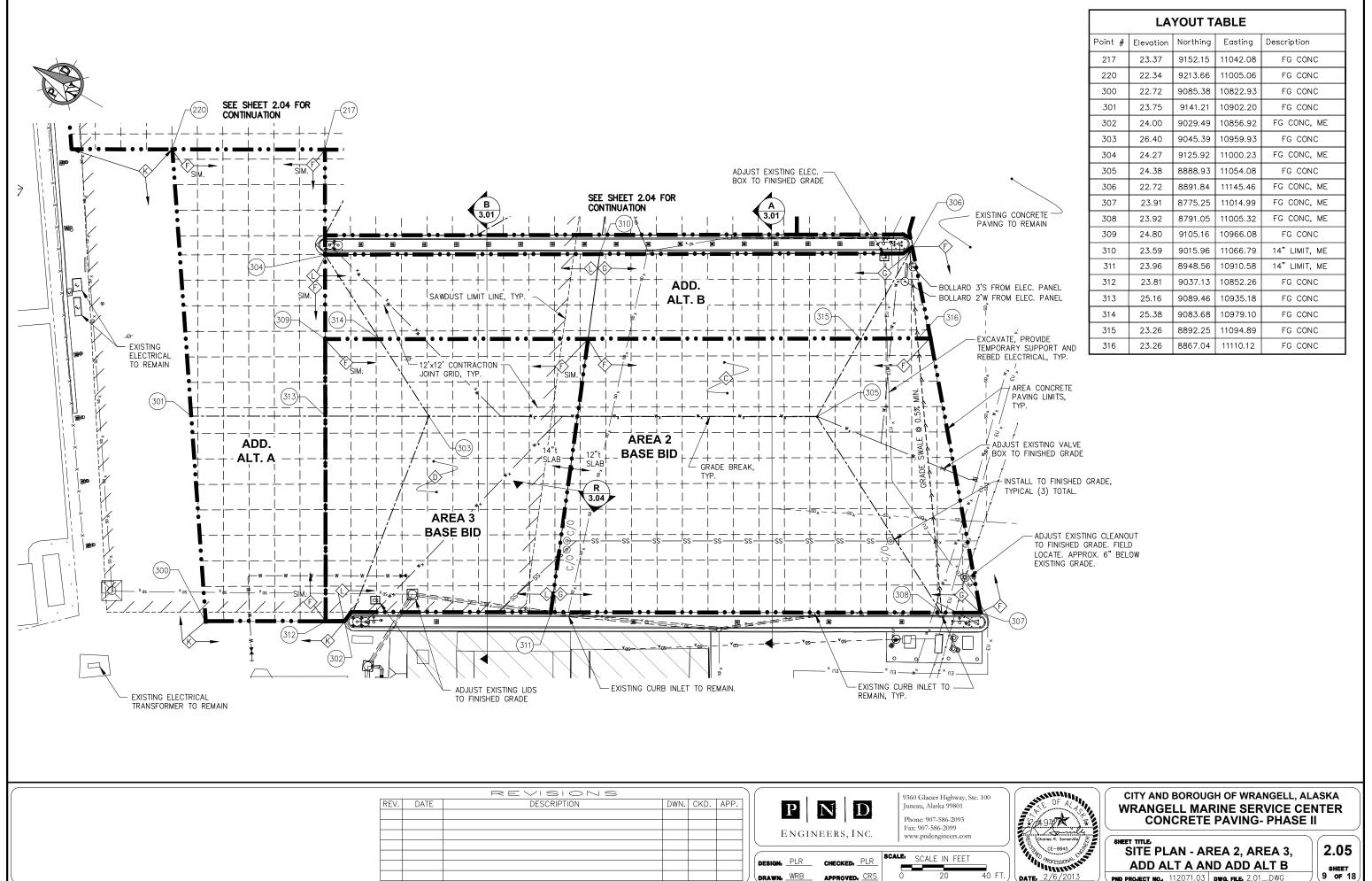
2.02 SHEET 6 OF 18

SCALE IN FEET CHECKED: PLR APPROVED: CRS

PND PROJECT NO. 112071.03 DWG. FILE. 2.01_.DWG







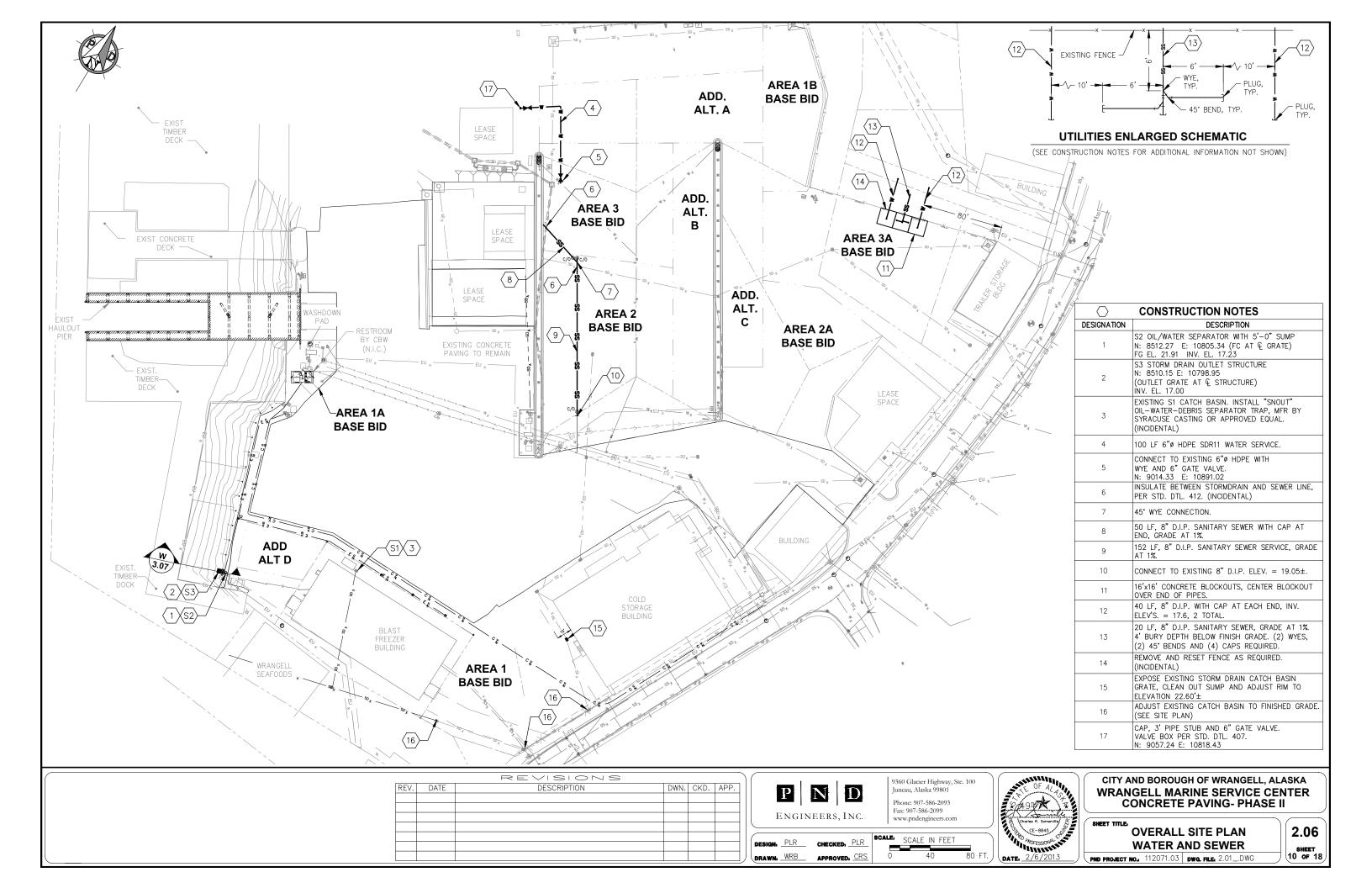
DRAWN, WRB

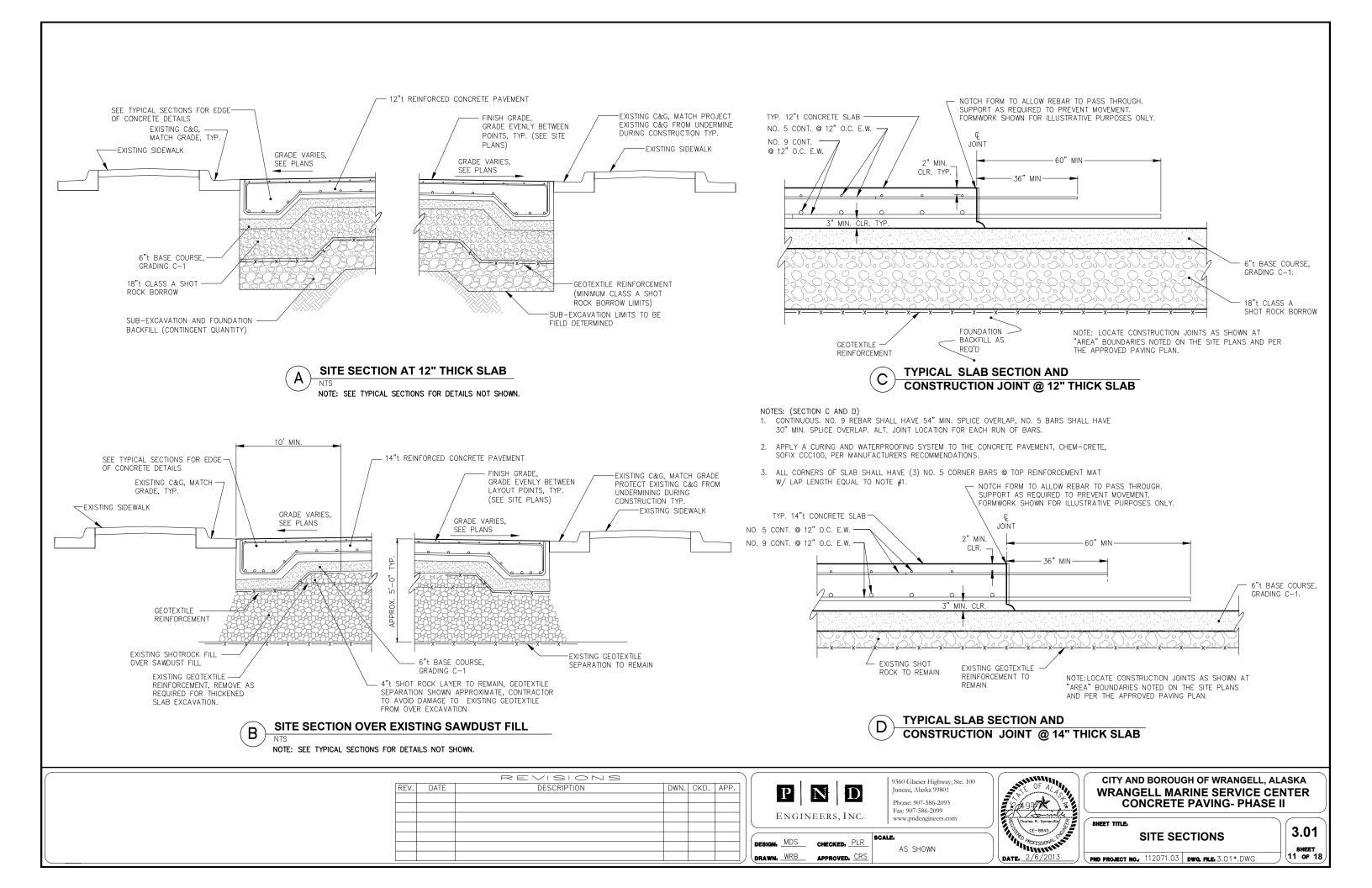
APPROVED: CRS

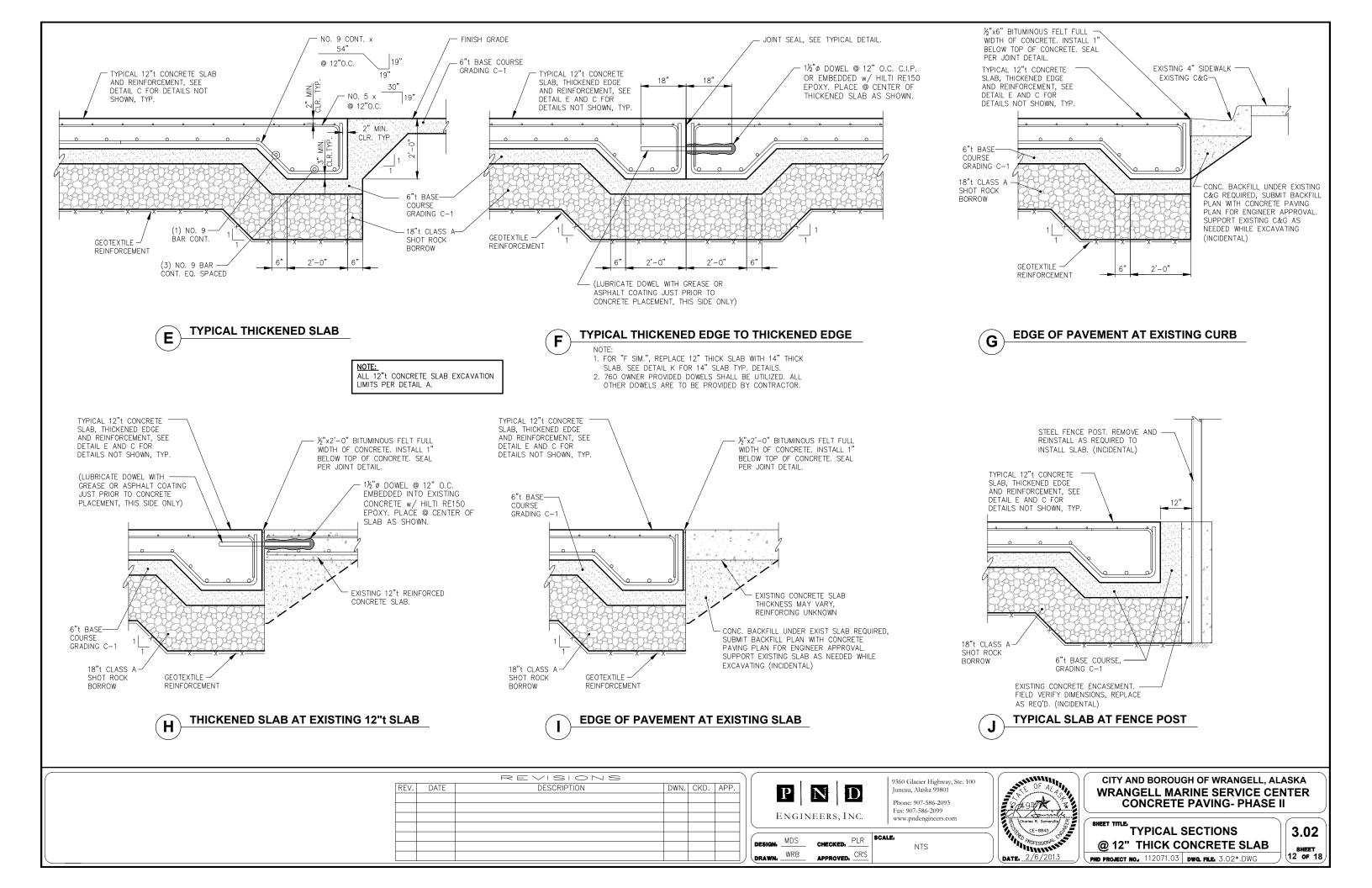
DATE: 2/6/2013

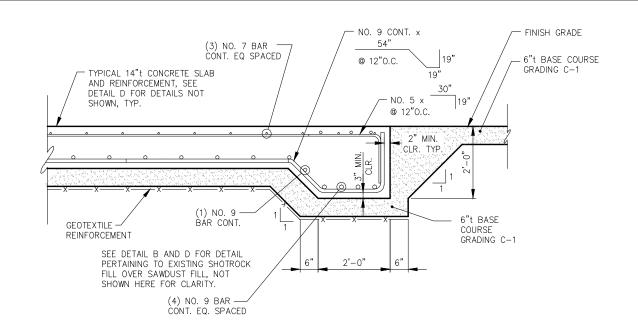
SHEET 9 OF 18

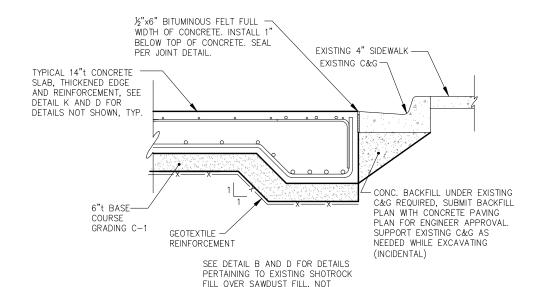
PND PROJECT NO. 112071.03 DWG. FILE 2.01_.DWG





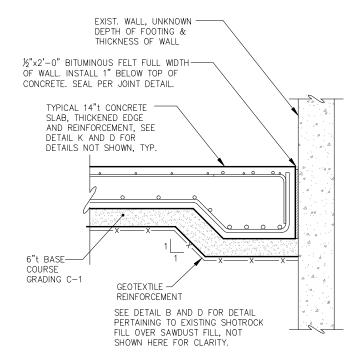






SHOWN HERE FOR CLARITY

(K) TYPICAL THICKENED SLAB

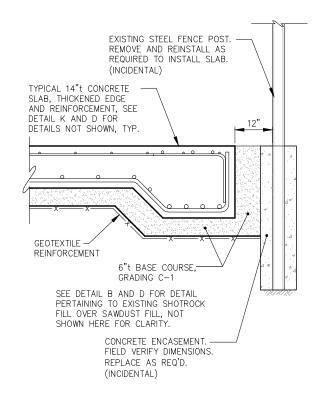


(M)

EDGE OF PAVEMENT AT EXISTING WALL

NOTE:
ALL 14"t CONCRETE SLAB EXCAVATION
LIMITS PER DETAIL B.

L EDGE OF PAVEMENT AT EXISTING CURB



N TYPICAL SLAB AT FENCE POST





APPROVED:

DRAWN, WRB

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Phone: 907-586-2093 Fax: 907-586-2099 www.pndengineers.com OF AL TO THE R Sensor Will B CE-8843

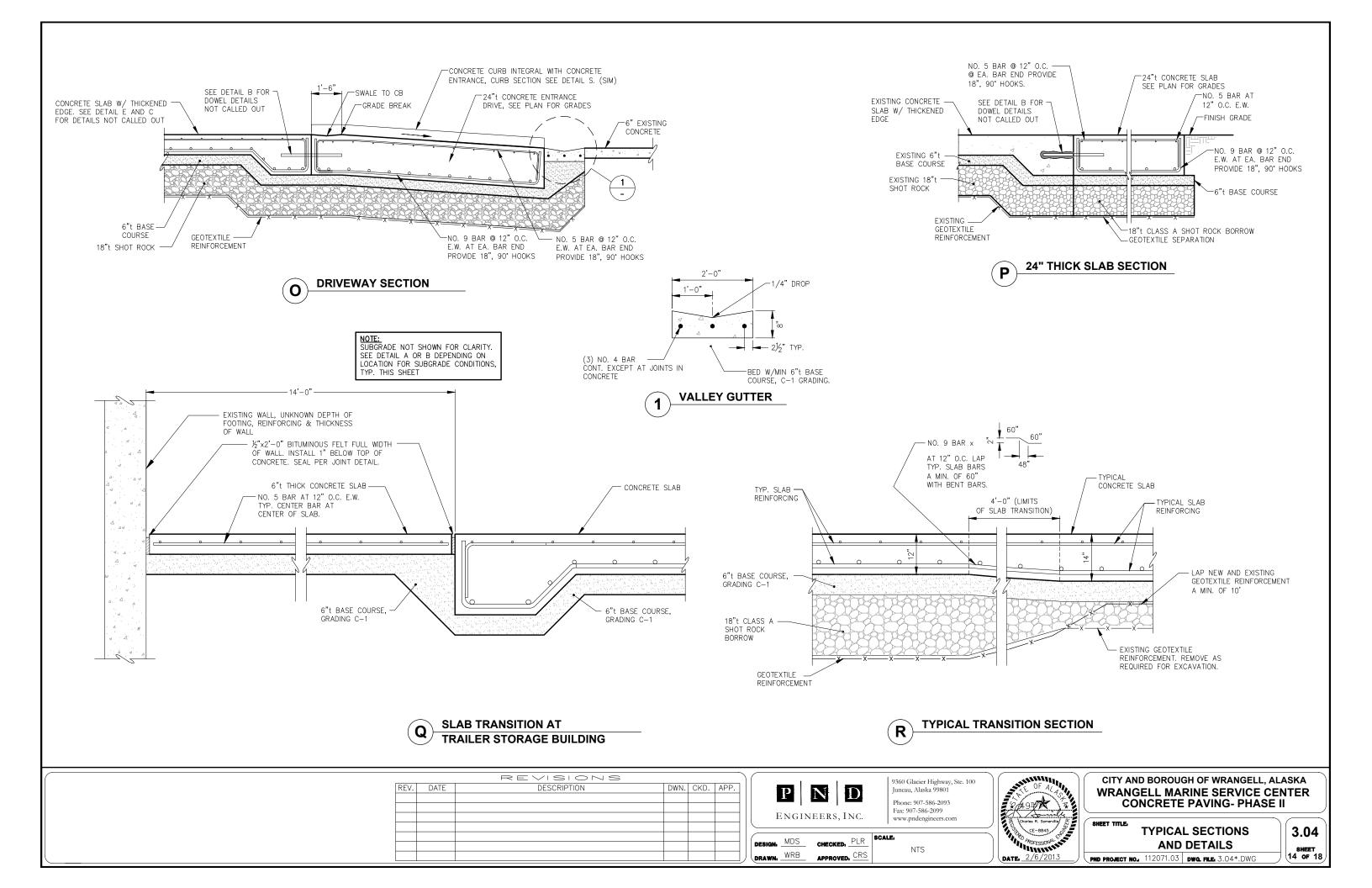
CITY AND BOROUGH OF WRANGELL, ALASKA
WRANGELL MARINE SERVICE CENTER
CONCRETE PAVING- PHASE II

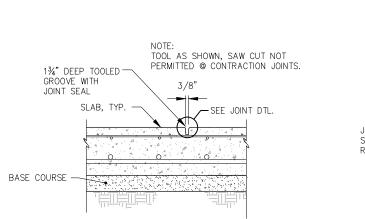
TYPICAL SECTIONS

@ 14" THICK CONCRETE SLAB

PND PROJECT NO. 112071.03 DW4. FILE. 3.02*.DWG

3.03 SHEET 13 OF 18





CONCRETE PAVEMENT - CONTRACTION JOINT

 (\mathbf{S})

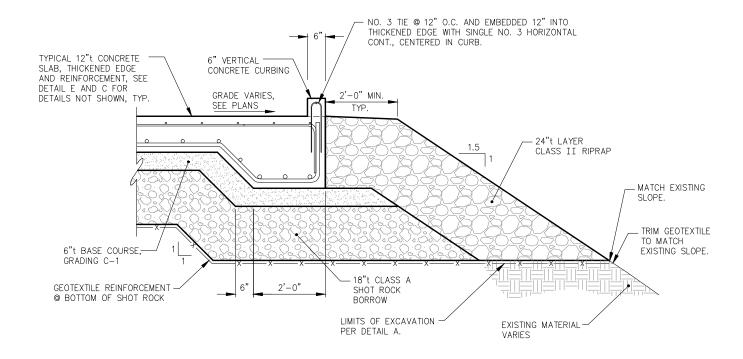
HOT APPLIED
JOINT SEALANT
SEE NOTE 1.

JOINT BACKING PER
SEALANT MANUFACTURER
RECOMMENDATIONS

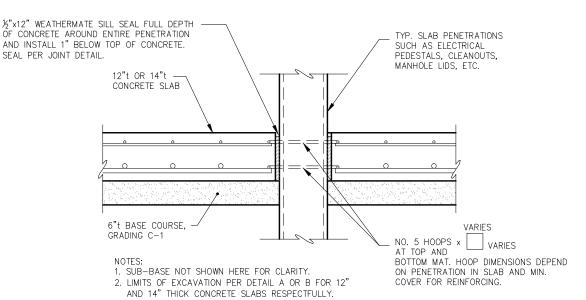
NOTE:

- JOINT SEALANT SHALL BE HOT APPLIED CRAFCO, INC ROADSAVER 221 OR APPROVED EQUAL.
- 2. TOP OF SEALANT SHALL BE 1/8" TO 1/4" BELOW TOP OF PAVEMENT. REMOVE EXCESS SEALANT IF OVERSPILL OCCURS.

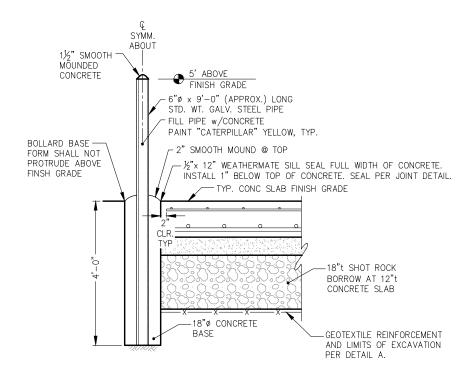
CONTRACTION / CONSTRUCTION JOINT DETAIL



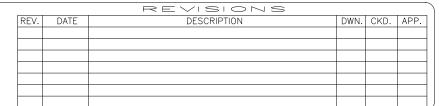
THICKENED CONCRETE SLAB AT RIPRAP SLOPE



TYPICAL SLAB PENITRATION LESS THAN 24"Ø



PIPE BOLLARD DETAIL





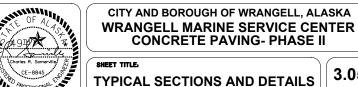
DESIGN: MDS CHECKED: PLR

APPROVED: CRS

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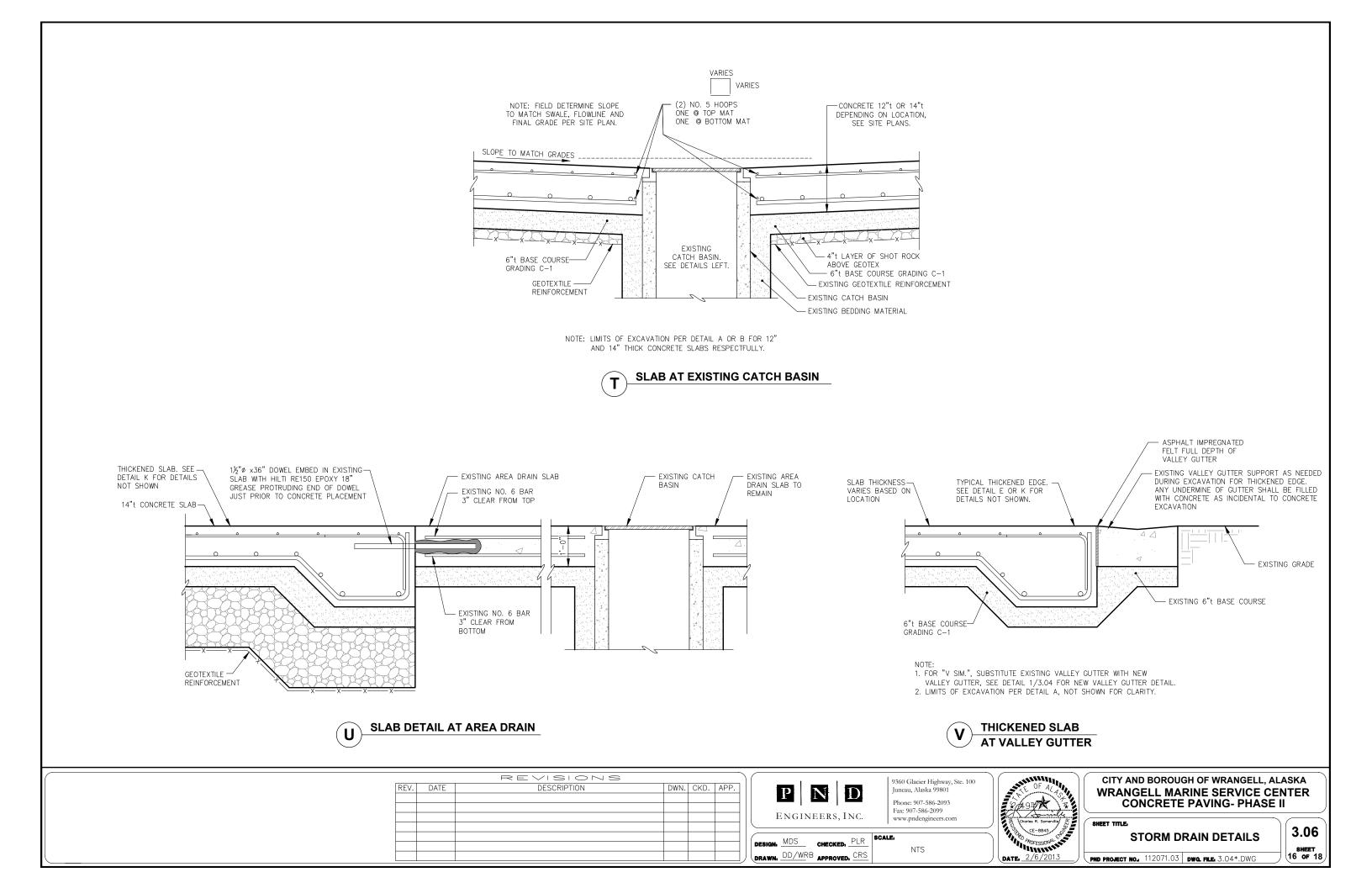
Phone: 907-586-2093
Fax: 907-586-2099
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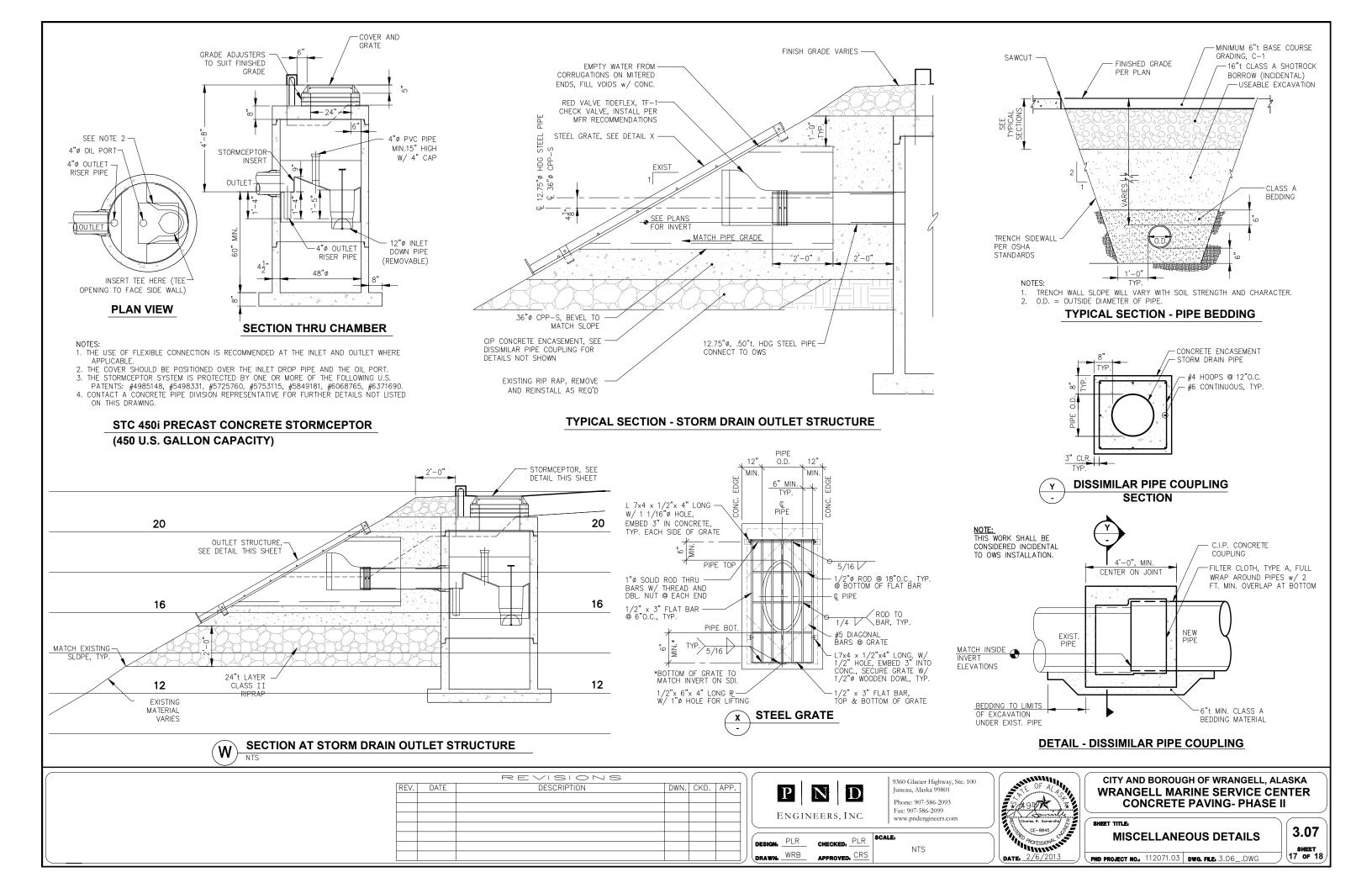
| CE-8845 | CE-8

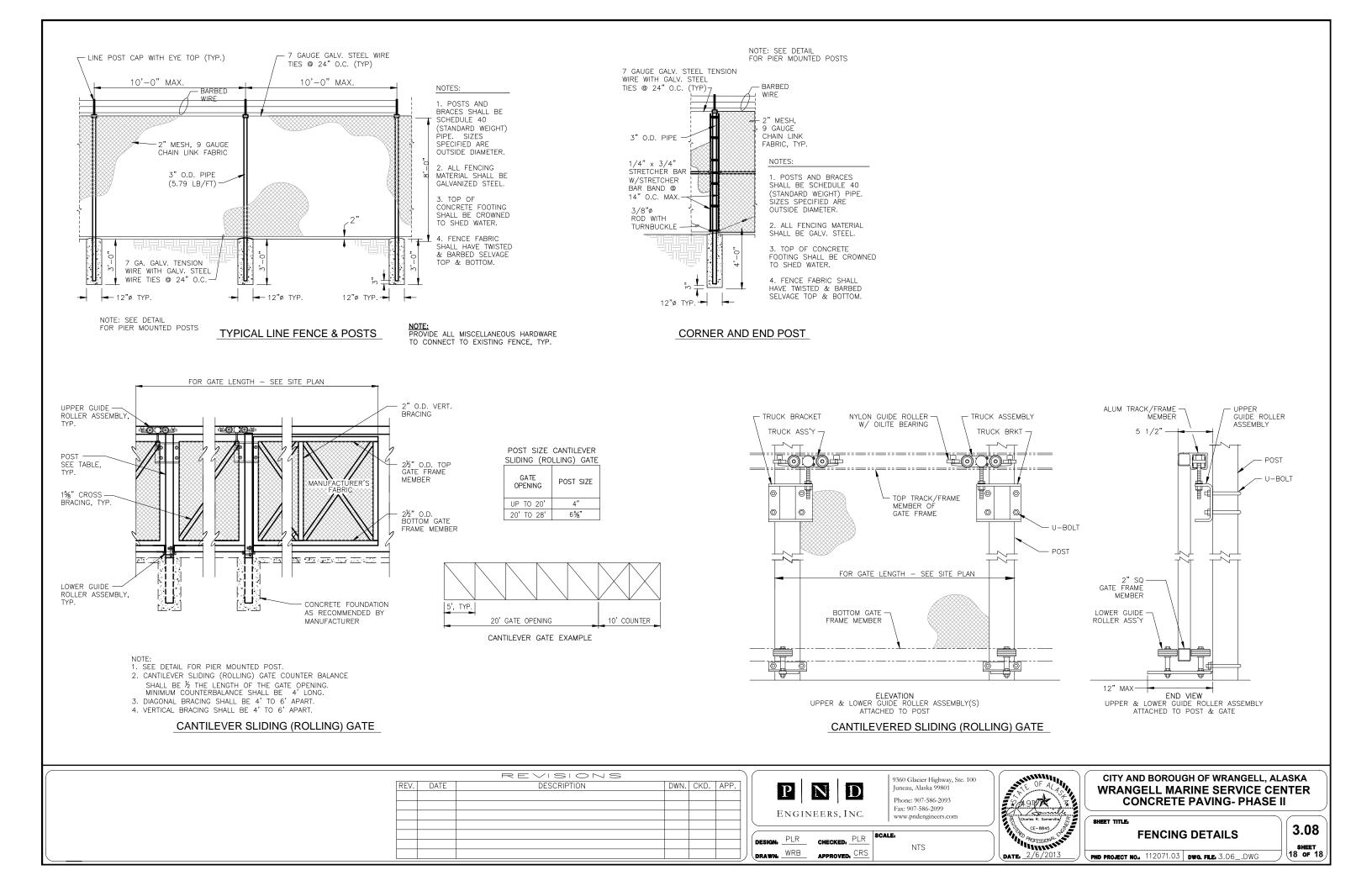


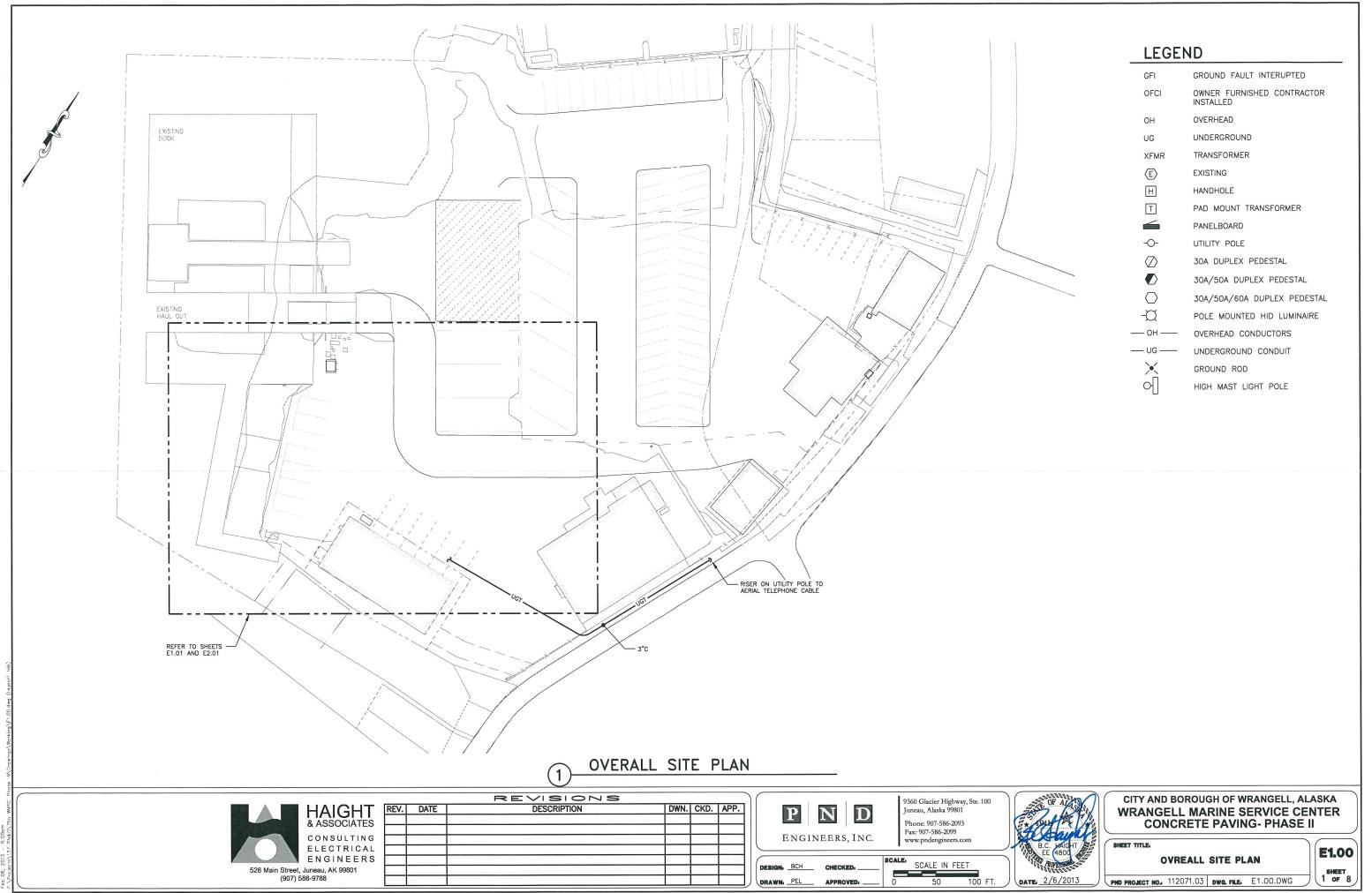
PND PROJECT NO., 112071.03 DWG. FILE, 3.02*.DWG

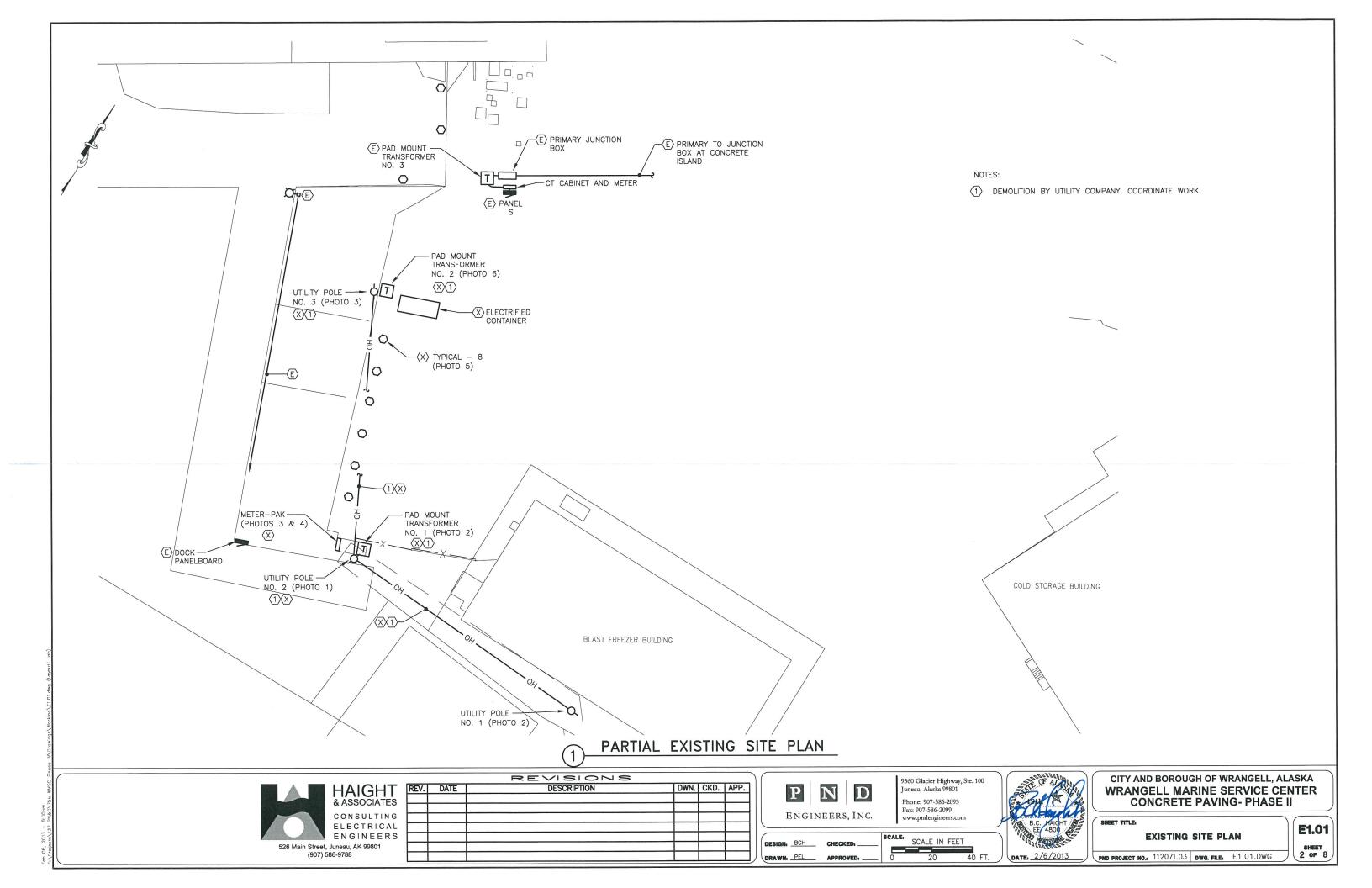
3.05 SHEET 15 OF 18

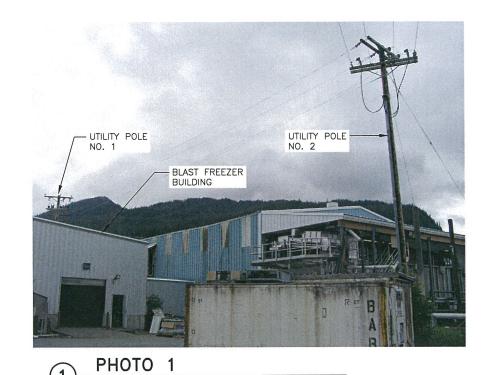












PAD MOUNT TRANSFORMER NO. 1 UTILITY POLE NO. 2 20/2 ENCLOSED CIRCUIT BREAKER

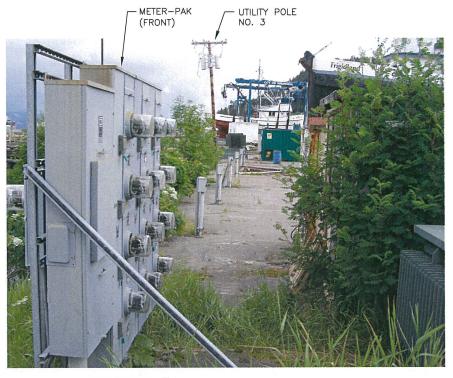


PHOTO 2

PHOTO 3



TYPICAL POWER PEDESTAL (WEST)

- ELECTRIFIED CONTAINER - PAD MOUNT TRANSFORMER NO. 2 UTILITY POLE NO. 3

PHOTO 5

PHOTO 6



		REVISIONS			
REV.	DATE	DESCRIPTION	DWN.	CKD.	APP.
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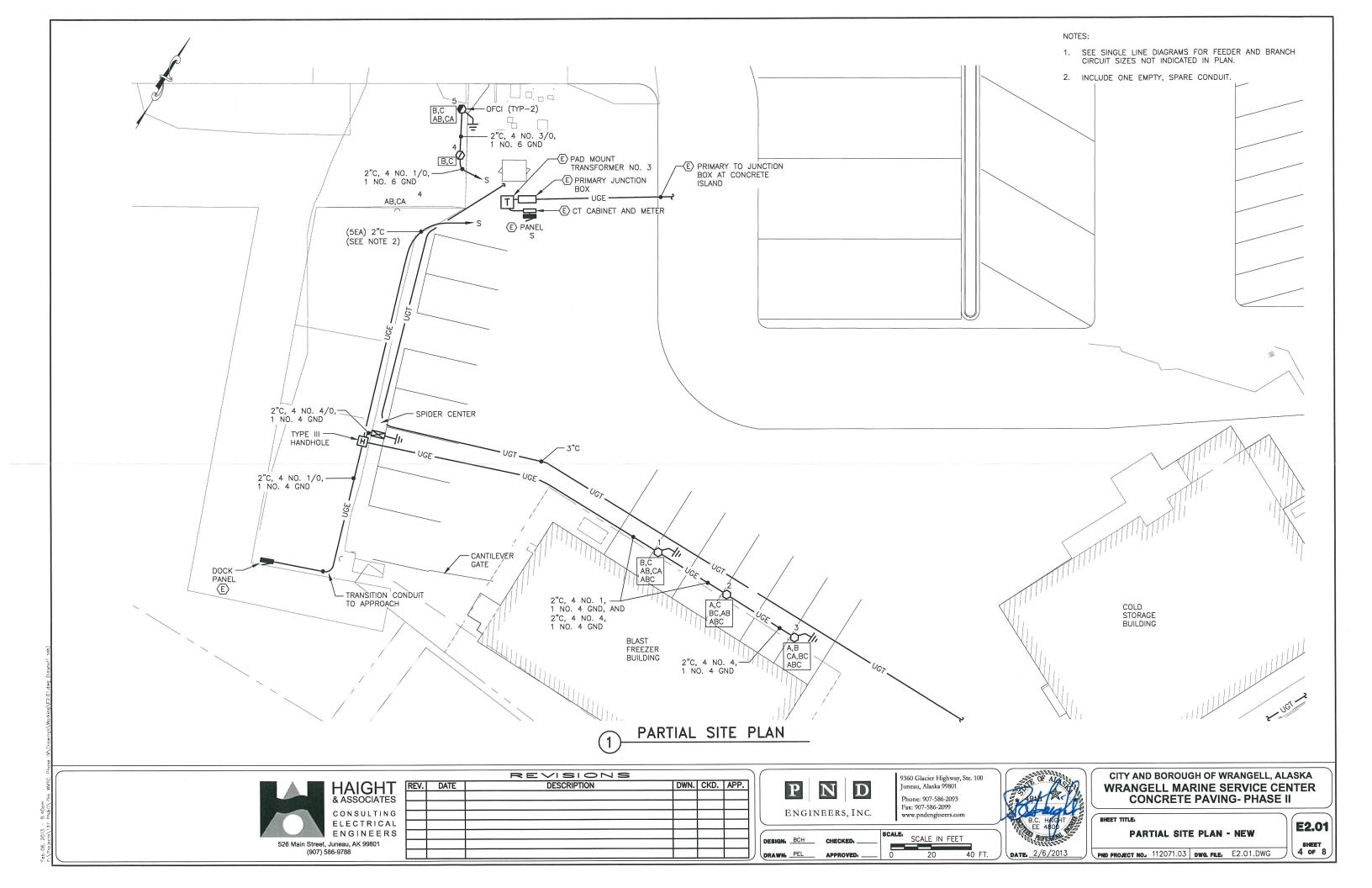


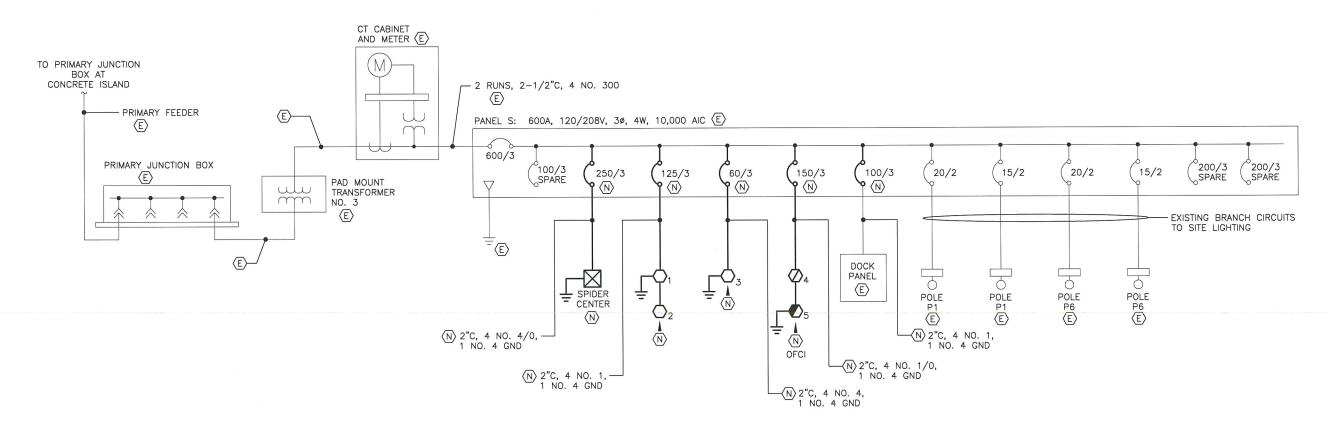
DATE: 2/6/2013

CITY AND BOROUGH OF WRANGELL, ALASKA WRANGELL MARINE SERVICE CENTER CONCRETE PAVING- PHASE II

EXISTING SITE PHOTOS PND PROJECT NO.: 112071.03 DWG. FILE: E1.02.DWG E1.02 SHEET 3 OF 8

DRAWN, PEL

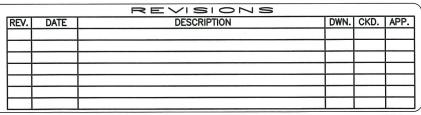




SINGLE LINE DIAGRAM - EXISTING PHASE POWER DISTRIBUTION SYSTEM

NO SCALE







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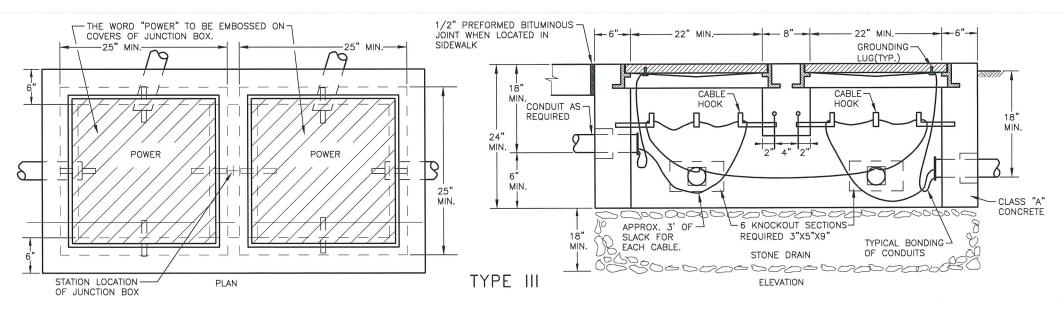
CITY AND BOROUGH OF WRANGELL, ALASKA WRANGELL MARINE SERVICE CENTER **CONCRETE PAVING- PHASE II**

SINGLE LINE DIAGRAMS

E2.02 PND PROJECT NO. 112071.03 DWG. FILE: E2.02.DWG

DESIGN. BCH CHECKED.

	PANEL S (EXISTING)	SIZE		VOLTS	S/PHAS	SE		MAIN	LOCATION	MOUNT
FANEL 3 (EXISTING)			PS	208Y/120V, 3 PH				600/3	SOUTH SITE	SURFACE
c K _T	DESCRIPTION	BREAKER AMP/			KVA			BREAKER AMP/	DESCRIPTION	C K
NO		POLÉ	CKT	ΑØ	ВØ	cø	CKT	POLE		NO
1	POLE P1	G 20/2	8.0	18.1			17.3	125/3	PEDESTALS 1 AND 2 (NEW LOAD)	2
3			0.8		18.1		17.3			4
5	POLE P1 (HAUL OUT)	15/2	0.3			17.6	17.3			6
7			0.3	6.1			5.8	60/3	PEDESTALS 3 (NEW LOAD)	8
9	POLE P6	20/2	0.5		6.3		5.8			10
11			0.5			6.3	5.8			12
13	POLE P6 (HAUL OUT)	15/2	0.3	12.8			12.5	150/3	PEDESTALS 4 AND 5 (NEW LOAD)	14
15			0.3		8.0		7.7			16
17	LIGHTING CONTROLS	20/1	0.2			7.9	7.7			18
19	SPARE	20/1	0.0	20.8			20.8	250/3	SPIDER CENTER (NEW LOAD)	20
21		20/1	0.0		20.8		20.8			22
23		20/1	0.0			20.8	20.8			24
25		20/1	0.0	0.0			0.0	200/3	SPARE	26
27	SPACE		0.0		0.0		0.0			28
29			0.0			0.0	0.0			30
31			0.0	0.0			0.0	200/3	SPARE	32
33			0.0		0.0		0.0			34
35			0.0			0.0	0.0			36
37			0.0	0.0			0.0		SPACE	38
39			0.0		0.0		0.0			40
41	•		0.0			0.0	0.0		•	42
BAL	ANCED CONNECTED LOAD: 163.6 KVA / 454.4	AMPS		57.8	53.2	52.6	BALANG	CED DEMAN	ID LOAD: 131.7 KVA / 366 AMPS	



DETAIL - HANDHOLES

NO SCALE



		REVISIONS						
REV.	DATE	DESCRIPTION	DWN.	CKD.	APP.		PN	T
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							ENGINEERS, I	N
							BOUL	
							DESIGN. BCH CHECKED.	-
)	DRAWN: PEL APPROVED	_ ،د



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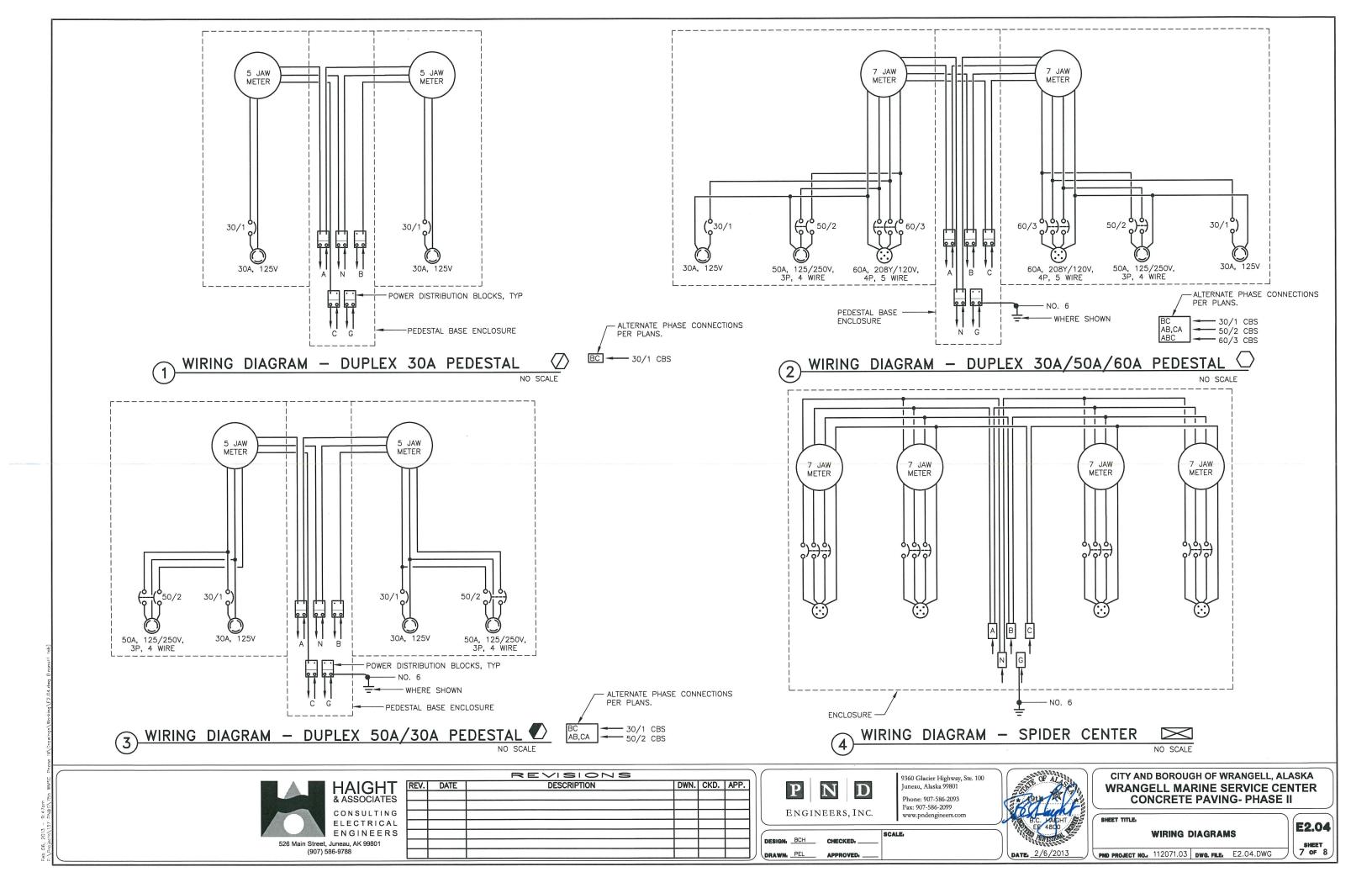
CITY AND BOROUGH OF WRANGELL, ALASKA WRANGELL MARINE SERVICE CENTER **CONCRETE PAVING- PHASE II**

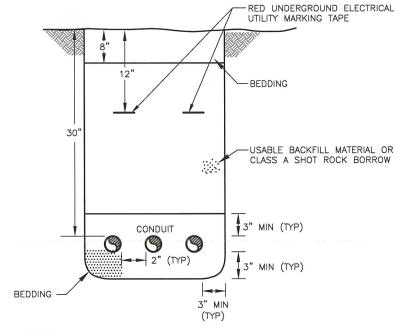
SHEET TITLE

SCHEDULE & DETAILS

SHEET 6 OF 8 PND PROJECT NO. 112071.03 DWG. FILE. E2.03.DWG

E2.03

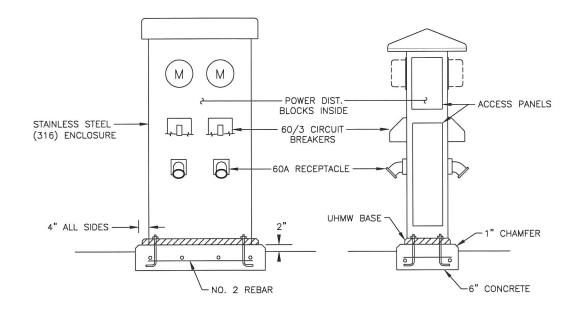




NOTE:

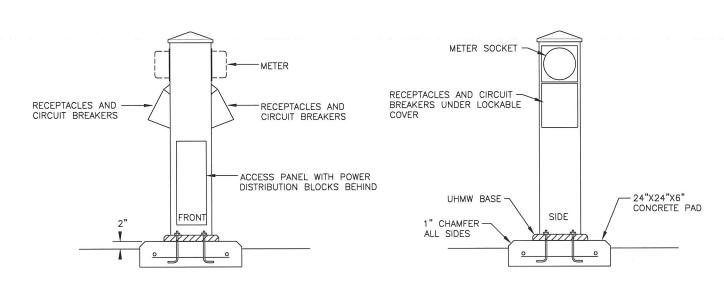
 PROVIDE AND COMPACT C-1 BEDDING & BACKFILL PER SPECIFICATIONS.

1 DETAIL - TRENCH



3 DETAIL - SPIDER CENTER

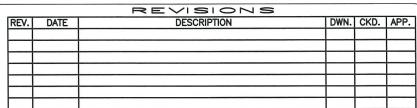
NO SCALE



2 DETAIL - POWER PEDESTAL

NO SCALE







APPROVED:

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WRANGELL MARINE SERVICE CENTER
CONCRETE PAVING- PHASE II

SHEET TITLE					
	DET	AILS			
PND PROJECT NO.	112071.03	DWG. FILE:	E2.05.DWG	\exists	8

E2.05

SHEET
8 OF 8

Feb 06, 2013 - 9:58am