

STATE OF ALASKA
 DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF PARKS
 AND
 OUTDOOR RECREATION

OLD KASILOF LANDING SRS
 FACILITY HOST SITE

PROJECT NO.
 73032-2



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Plans developed by:
STATE OF ALASKA
 Department of Natural Resources
 Division of Parks & Outdoor Recreation
 550 W 7th Ave. Suite 1340, Anchorage, AK 99501
 Recommended:

[Signature] 2/11/2026
 Eys Miranda, P.E. Date
 Chief, Design & Construction

Approved:
[Signature] 2/11/2026
Date

Ricky Gease
 Director, Alaska State Parks

ESTIMATE OF QUANTITIES			
ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY
202.0001.0000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	L.S.	ALL REQ'D
203.0005.000A	BORROW, TYPE A	C.Y.	260
301.0001.00D1	AGGREGATE BASE COURSE, GRADING D-1	TON	80
401.0001.200B	HOT MIX ASPHALT, TYPE II, CLASS B	TON	30
618.0002.0000	SEEDING	POUND	20
620.0001.000B	TOPSOIL, CLASS B	C.Y.V.M.	4
622.2016.0000	CONCRETE PARKING BUMPER	EACH	2
622.2017.0000	BARRIER ROCK	EACH	35
622.2105.0000	WELL HOUSE	L.S.	ALL REQ'D
622.2106.0000	WATERLINE PIPE	L.F.	140
622.2107.0000	RV HOSE BIB	EACH	1
622.2108.0000	RV POWER STATION PEDESTAL	EACH	1
626.2100.0000	WASTEWATER HOLDING TANK	L.S.	ALL REQ'D
627.2101.0000	WELL DRILLING	L.F.	200
627.2102.0000	WELL CASING	L.F.	200
627.2103.0000	WELL DROP PIPE	L.F.	200
627.2104.0000	WELL PUMP AND CONTROLS	L.S.	ALL REQ'D
630.0001.0003	GEOTEXTILE, SEPARATION, CLASS 3	S.Y.	380
640.0001.0000	MOBILIZATION AND DEMOBILIZATION	L.S.	ALL REQ'D
641.0001.0000	EROSION, SEDIMENT AND POLLUTION CONTROL ADMINISTRATION	L.S.	ALL REQ'D
641.0002.0000	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL	C.S.	ALL REQ'D
641.0006.0000	WITHOLDING	C.S.	ALL REQ'D
642.0001.0000	CONSTRUCTION SURVEYING	L.S.	ALL REQ'D
642.0003.0000	THREE PERSON SURVEY PARTY	HOUR	5
643.0002.0000	TRAFFIC MAINTENANCE	L.S.	ALL REQ'D
647.0006.0000	HYDRAULIC EXCAVATOR, 1 C.Y., 100 HP MIN.	HOUR	5
670.0001.0000	TRAFFIC MARKINGS	L.S.	ALL REQ'D
687.0001.0000	HDPE INNERDUCT	L.F.	270
687.0002.0000	JUNCTION BOX	EACH	4
688.0000.0001	UTILITY SUPPORT	C.S.	ALL REQ'D
688.1000.0000	UTILITY SUPPORT PRICE ADJUSTMENT	C.S.	ALL REQ'D

ABBREVIATIONS

∅	DIAMETER
ε	CENTERLINE
A	ALUMINUM
AC	ASPHALT CONCRETE
B	BRASS
BOP	BEGINNING OF PROJECT
BVCS	BEGINNING OF VERTICAL CURVE STATION
BVCE	BEGINNING OF VERTICAL CURVE ELEVATION
CKT	CIRCUIT
C.F.	CUBIC FOOT
C.S.	CONTINGENT SUM
CSP	CORRUGATED STEEL PIPE
C.Y.	CUBIC YARD
C.Y.V.M.	CUBIC YARD VEHICLE MEASURE
E	EAST
EA	EACH
E.G.	EXISTING GRADE
ELEV.	ELEVATION
EOG	EDGE OF GRAVEL
EOP	EDGE OF PAVEMENT
EVCS	ENDING VERTICAL CURVE STATIONING
EVCE	ENDING VERTICAL CURVE ELEVATION
F.G.	FINAL GRADE
GAL.	GALVANIZED
INTP.	INTERPRETIVE
INV	INVERT
L.F.	LINEAR FOOT
L.S.	LUMP SUM
LB/LBS	POUND/POUNDS
LVC	LENGTH OF VERTICAL CURVE
MP	MILEPOST
M.E.	MATCH EXISTING
N	NORTH
NE	NORTHEAST
NO.	NUMBER
NTS	NOT TO SCALE
NW	NORTHWEST
OC	ON CENTER
OHW	ORDINARY HIGH WATER
PCC	PORTLAND CEMENT CONCRETE
PIP	PROTECT IN PLACE
PUA	PUBLIC USE AREA
PST	PERFORATED STEEL TUBE
PVI	PROFILE VERTICAL CURVE INTERSECTION
REQ'D	REQUIRED
ROW	RIGHT-OF-WAY
S	STEEL
SE	SOUTHEAST
S.F.	SQUARE FOOT
SNF	SEARCH NOT FOUND
STA.	STATION
SW	SOUTHWEST
SWPPP	STORM WATER POLLUTION PREVENTION PLAN
S.Y.	SQUARE YARD

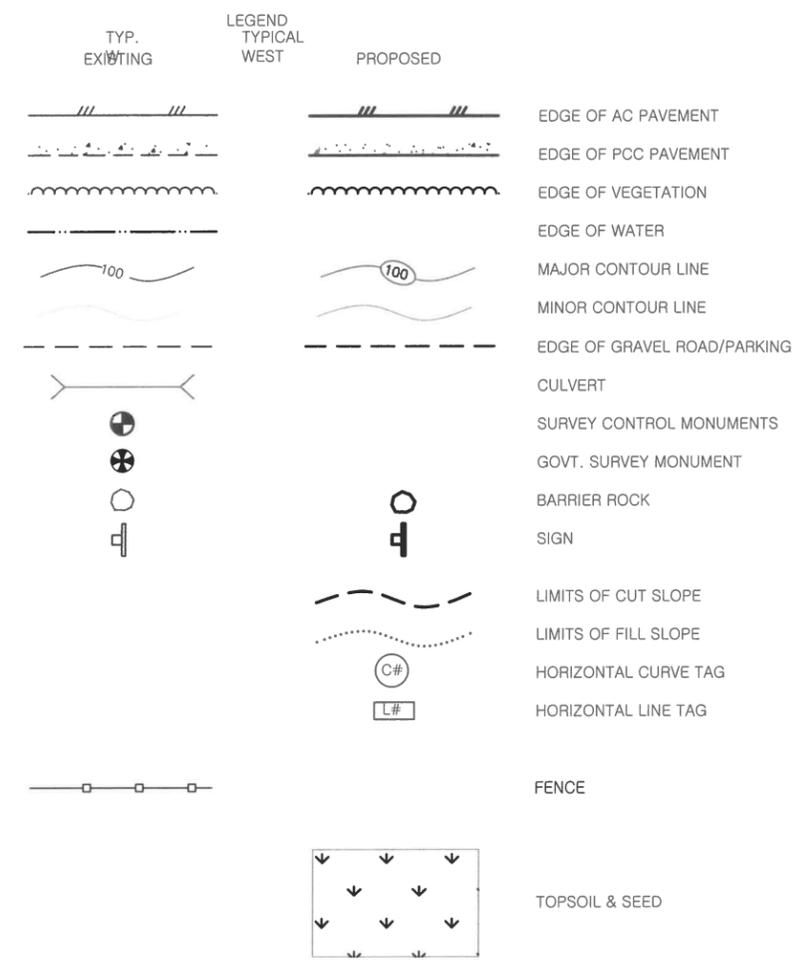


TABLE OF ESTIMATING FACTORS

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY
203.0005.000A	BORROW, TYPE A	LBS/C.F.	142
301.0001.00D1	AGGREGATE BASE COURSE, GRADING D-1	LBS/C.F.	146
401.0001.200B	HOT MIX ASPHALT, TYPE II, CLASS B	LBS/C.F.	151



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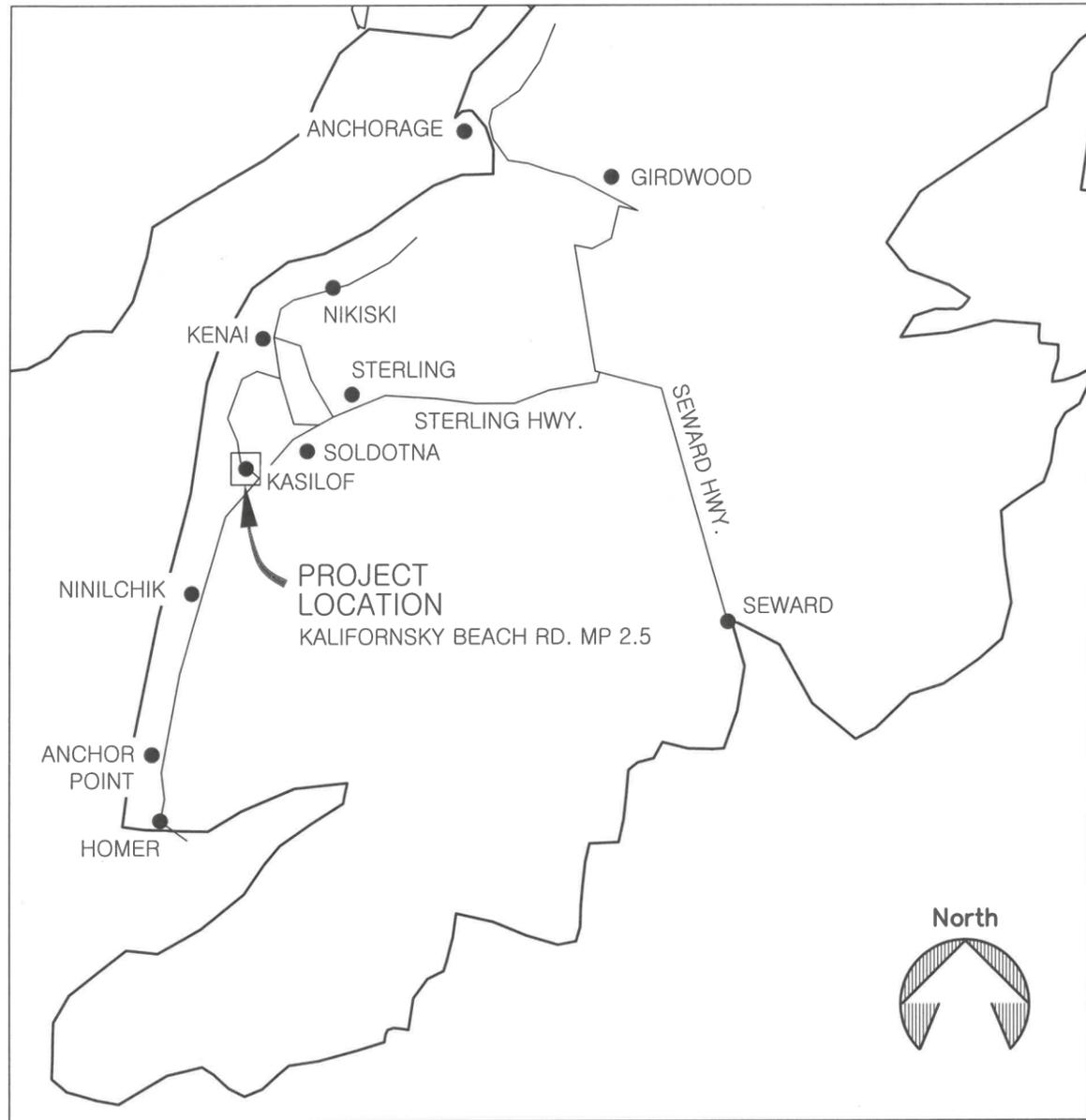
ESTIMATE OF QUANTITIES,
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 & ESTIMATING FACTORS

OLD KASLOF LANDING SRS
 FACILITY HOST SITE
 PROJECT No. 73032-2

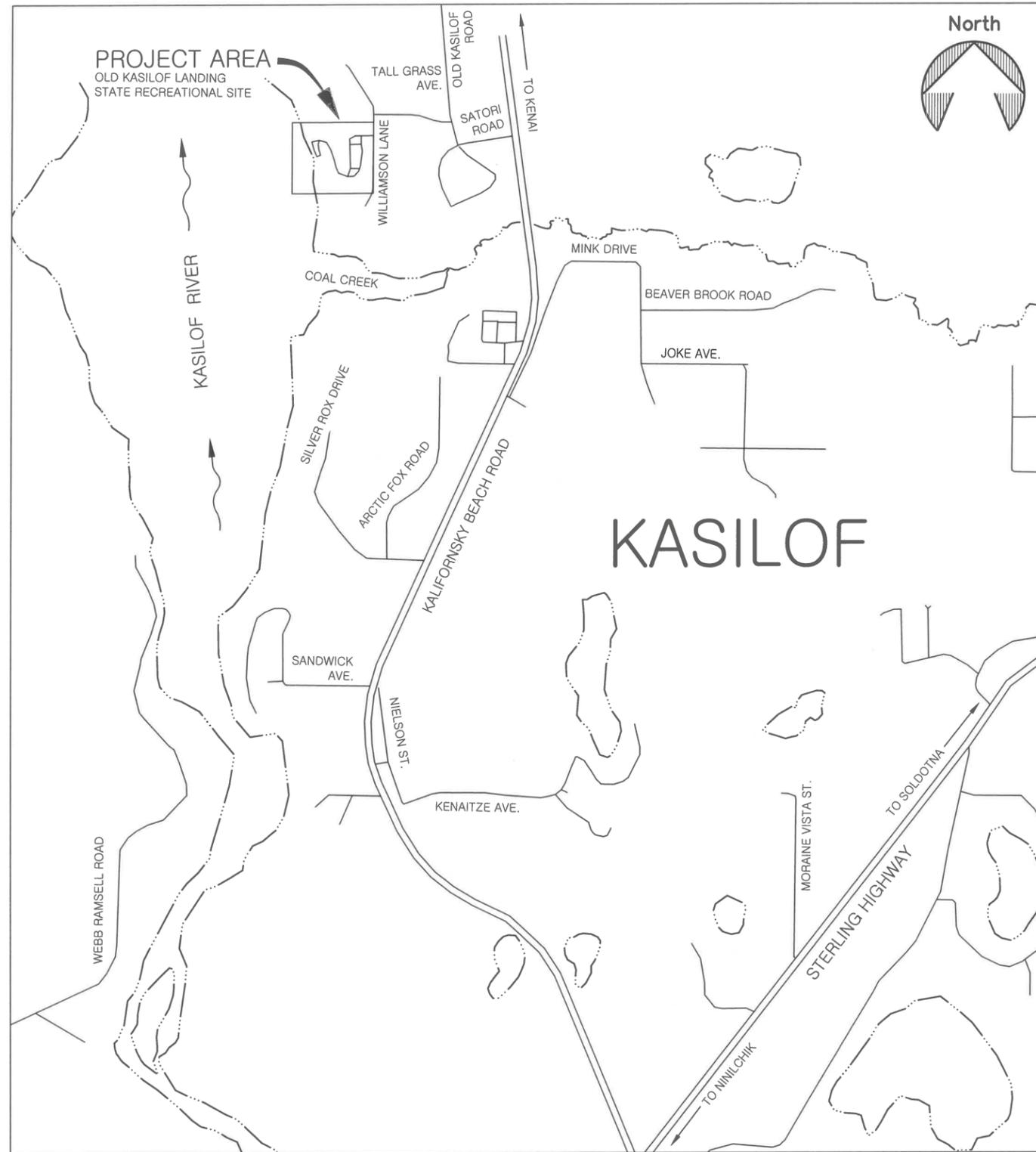


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 OF 11 SHEETS



1
3 PROJECT LOCATION



2
3 PROJECT AREA



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VICINITY MAP

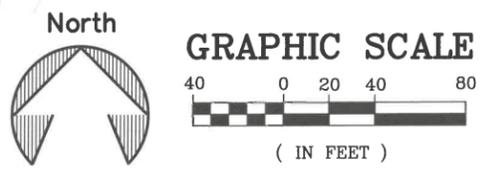
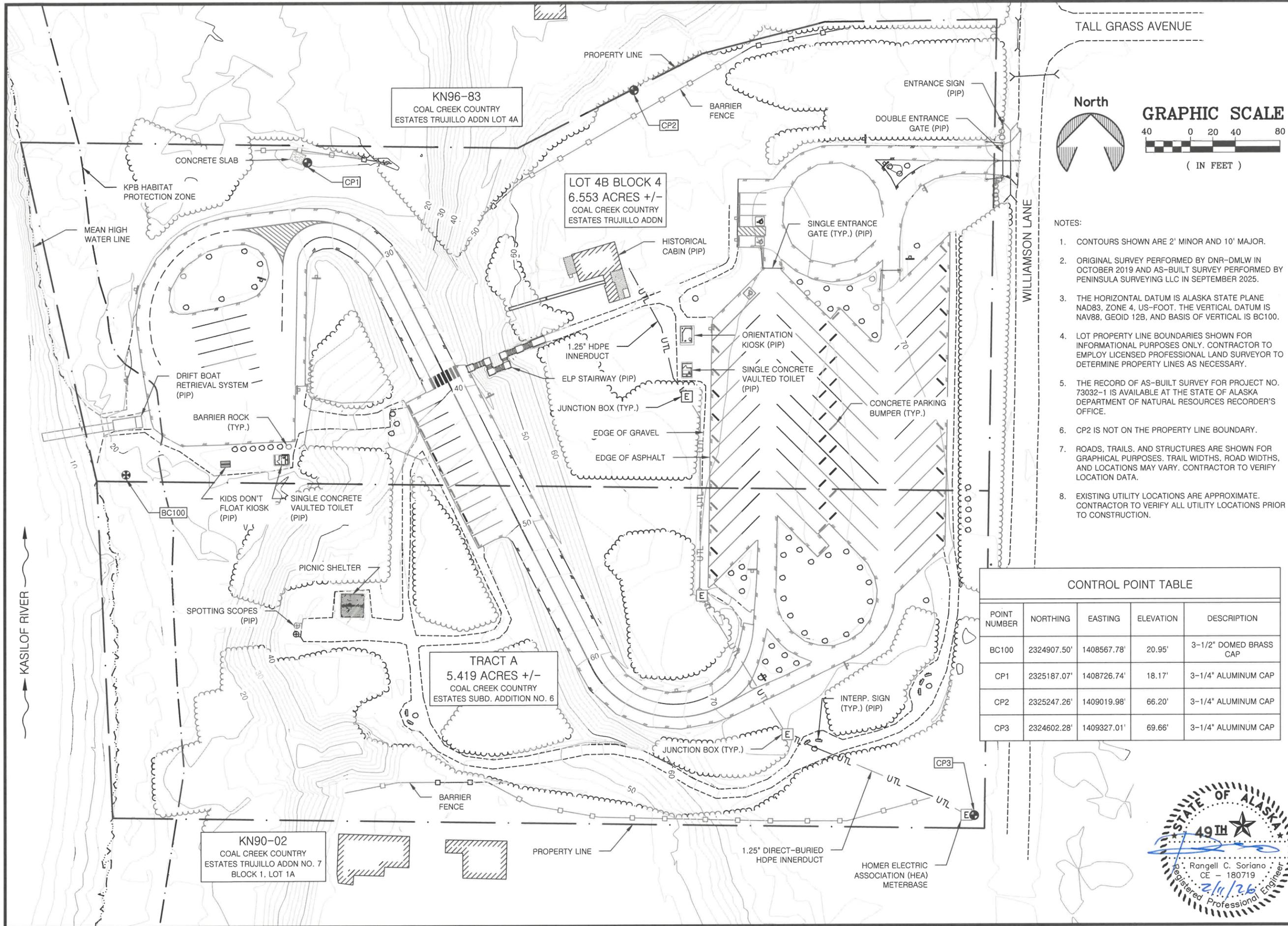


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- NOTES:
1. CONTOURS SHOWN ARE 2' MINOR AND 10' MAJOR.
 2. ORIGINAL SURVEY PERFORMED BY DNR-DMLW IN OCTOBER 2019 AND AS-BUILT SURVEY PERFORMED BY PENINSULA SURVEYING LLC IN SEPTEMBER 2025.
 3. THE HORIZONTAL DATUM IS ALASKA STATE PLANE NAD83, ZONE 4, US-FOOT. THE VERTICAL DATUM IS NAV88, GEOID 12B, AND BASIS OF VERTICAL IS BC100.
 4. LOT PROPERTY LINE BOUNDARIES SHOWN FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR TO EMPLOY LICENSED PROFESSIONAL LAND SURVEYOR TO DETERMINE PROPERTY LINES AS NECESSARY.
 5. THE RECORD OF AS-BUILT SURVEY FOR PROJECT NO. 73032-1 IS AVAILABLE AT THE STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES RECORDER'S OFFICE.
 6. CP2 IS NOT ON THE PROPERTY LINE BOUNDARY.
 7. ROADS, TRAILS, AND STRUCTURES ARE SHOWN FOR GRAPHICAL PURPOSES. TRAIL WIDTHS, ROAD WIDTHS, AND LOCATIONS MAY VARY. CONTRACTOR TO VERIFY LOCATION DATA.
 8. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION.

CONTROL POINT TABLE

POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
BC100	2324907.50'	1408567.78'	20.95'	3-1/2" DOMED BRASS CAP
CP1	2325187.07'	1408726.74'	18.17'	3-1/4" ALUMINUM CAP
CP2	2325247.26'	1409019.98'	66.20'	3-1/4" ALUMINUM CAP
CP3	2324602.28'	1409327.01'	69.66'	3-1/4" ALUMINUM CAP



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EXISTING CONDITIONS

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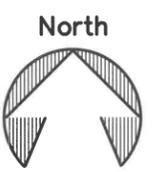
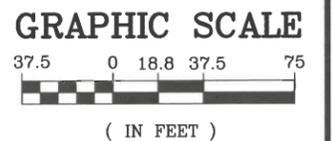
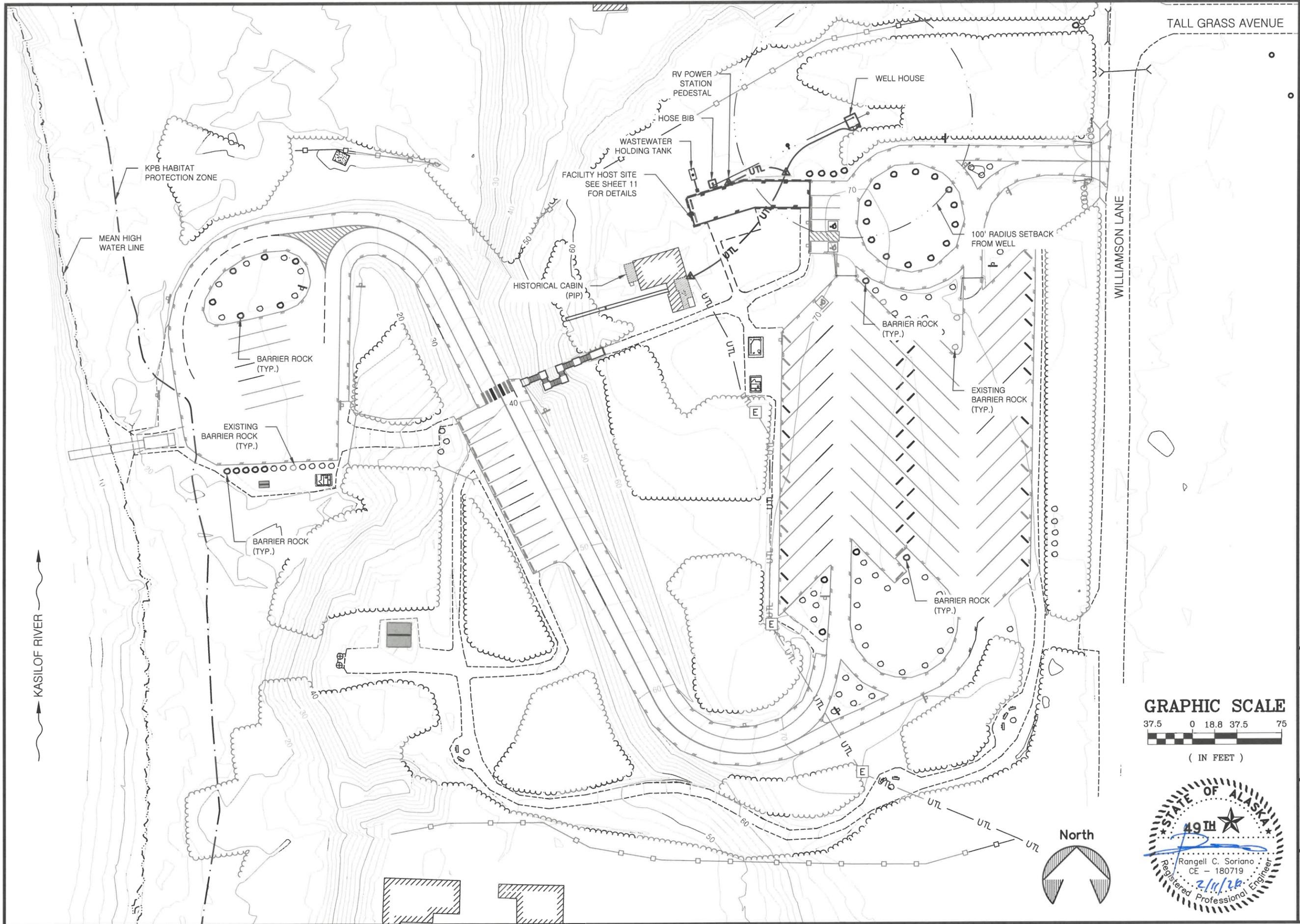


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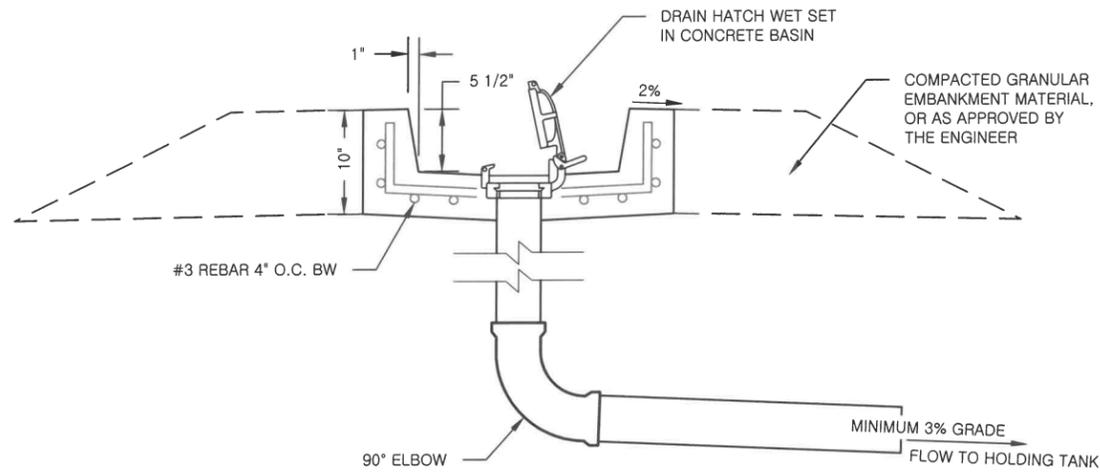
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SITE PLAN OVERVIEW

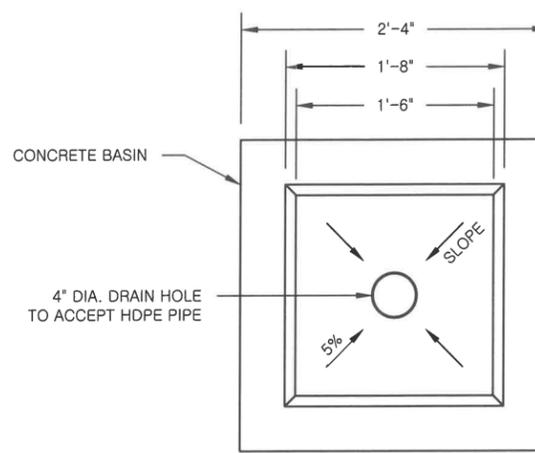


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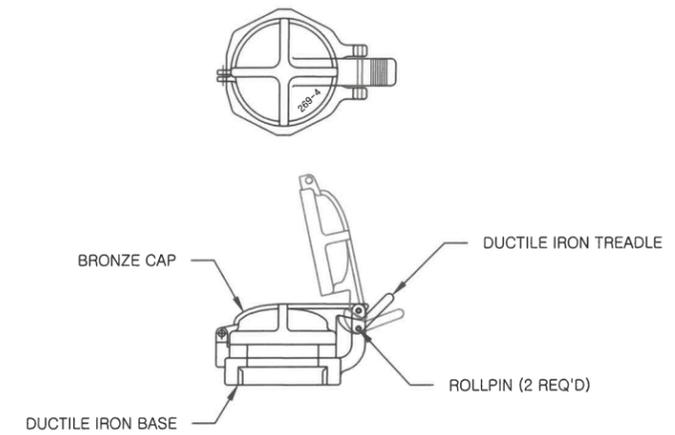
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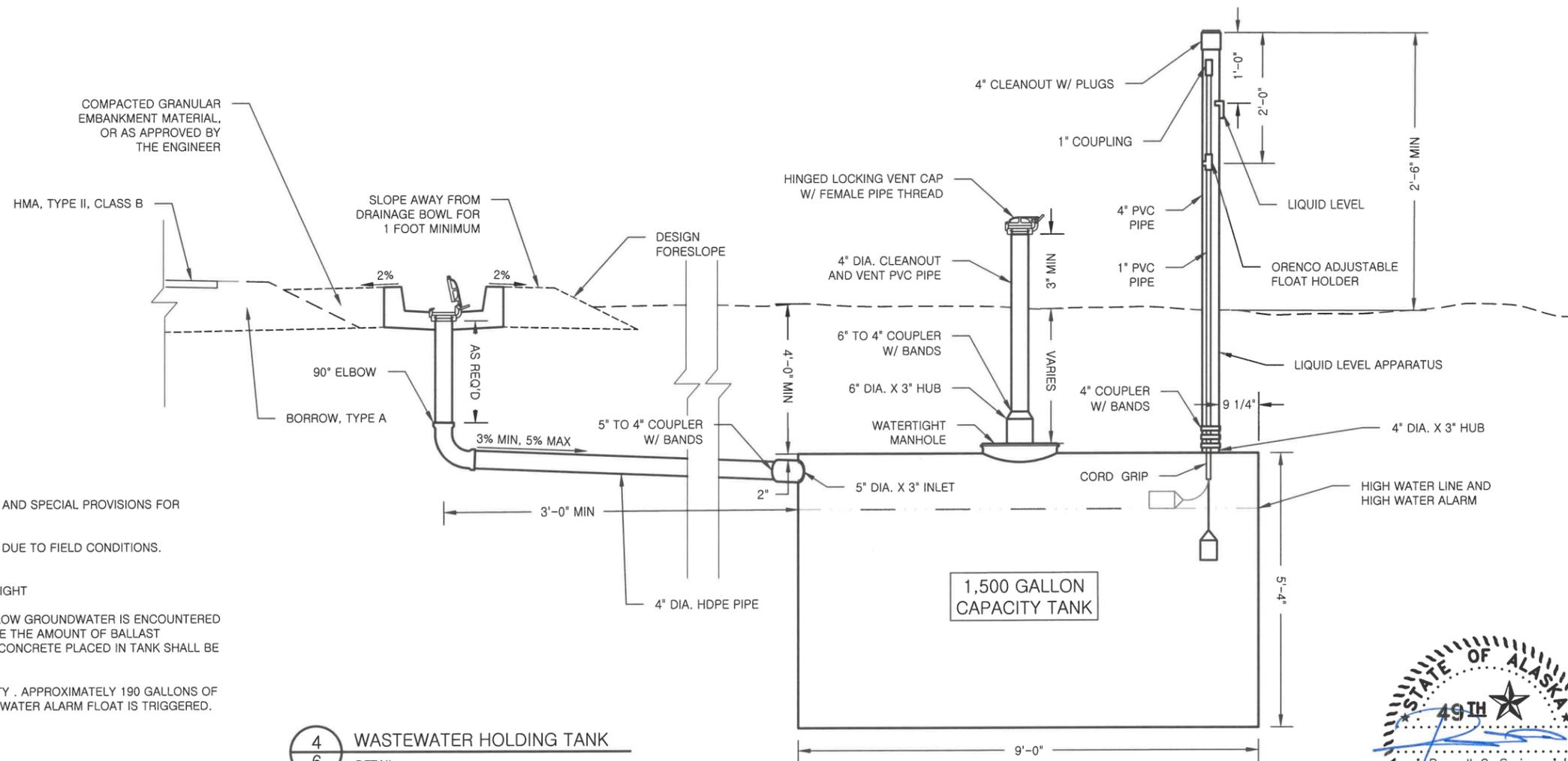
1
6 CONCRETE BASIN DETAIL
SECTION DETAIL



2
6 CONCRETE BASIN DETAIL
PLAN DETAIL



3
6 DRAIN HATCH/VENT CAP ASSEMBLY
DETAIL



4
6 WASTEWATER HOLDING TANK
DETAIL

NOTES:

1. REFERENCE PROJECT SPECIFIC SPECIFICATIONS AND SPECIAL PROVISIONS FOR EMBANKMENT REQUIREMENTS
2. FORESLOPE AND BACKSLOPE RATIOS WILL VARY DUE TO FIELD CONDITIONS. ENGINEER WILL APPROVE FINAL EARTHWORK
3. ALL COUPLERS AND FITTINGS SHALL BE WATERTIGHT
4. BALLAST CONCRETE MAY BE REQUIRED IF SHALLOW GROUNDWATER IS ENCOUNTERED DURING EXCAVATION. ENGINEER WILL DETERMINE THE AMOUNT OF BALLAST CONCRETE TO BE INSTALLED IN TANK. BALLAST CONCRETE PLACED IN TANK SHALL BE VIBRATED FOR SMOOTH LEVEL SURFACE
5. SET HIGH-WATER ALARM AT 7/8th TANK CAPACITY. APPROXIMATELY 190 GALLONS OF RESERVE CAPACITY SHALL REMAIN AFTER HIGH-WATER ALARM FLOAT IS TRIGGERED.



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WASTEWATER HOLDING TANK

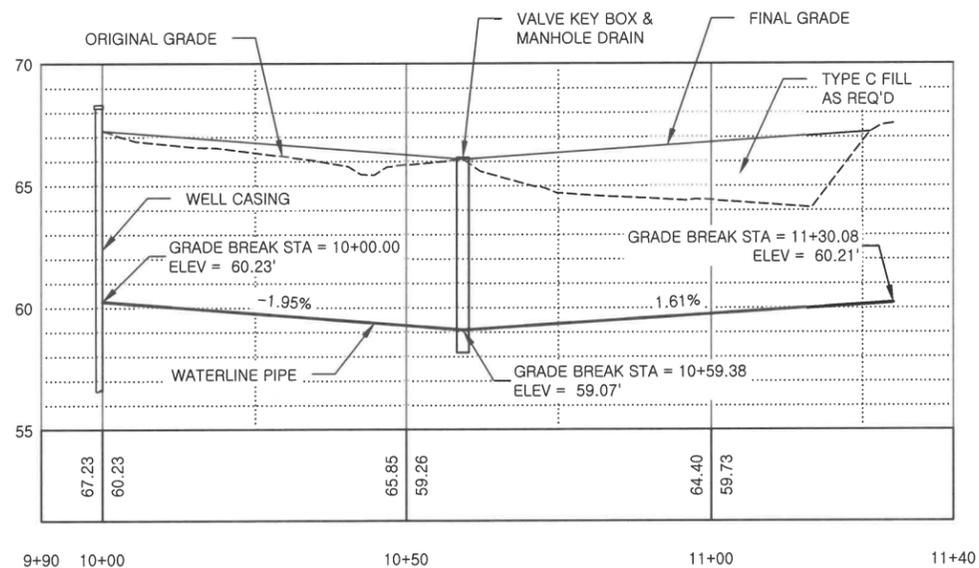
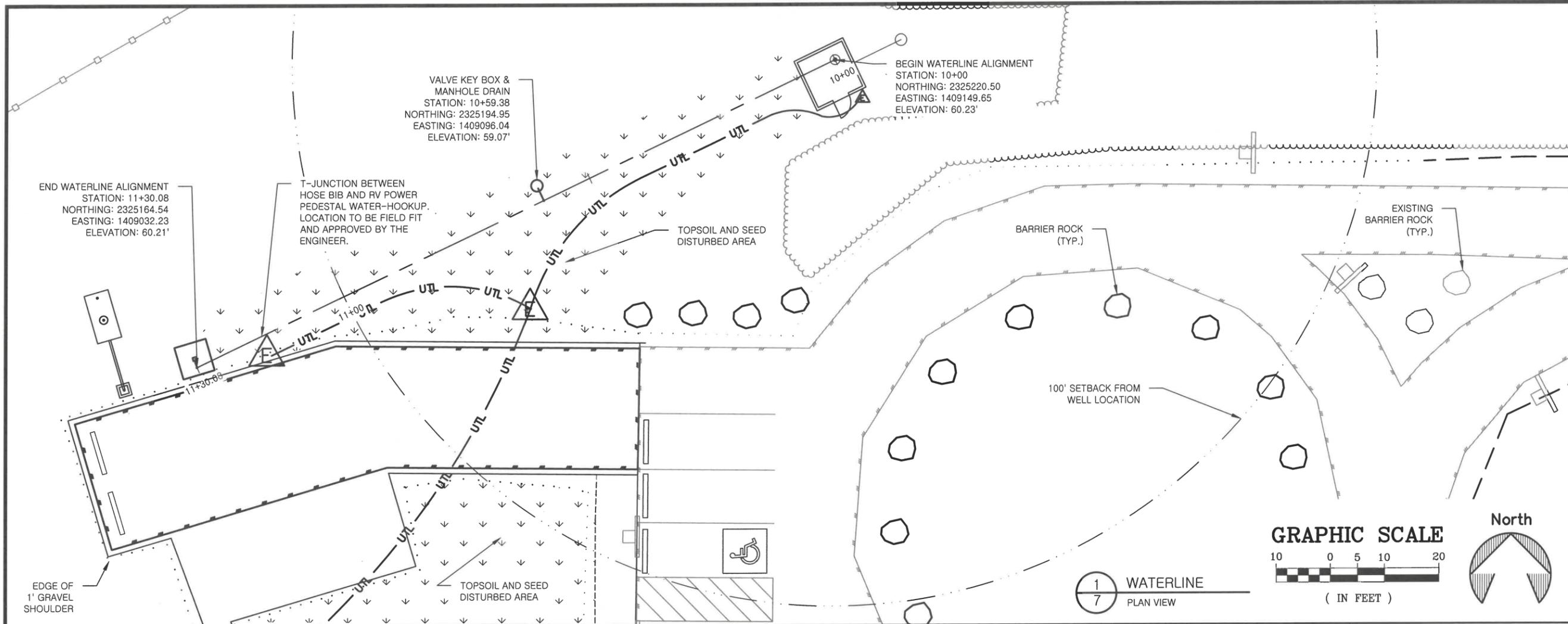


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NOTES:

1. WATER WELL SHALL BE DRILLED, CASED, SEALED, DEVELOPED AND DISINFECTED IN ACCORDANCE WITH THE LATEST VERSION OF AWWA STANDARD A100 WATER WELLS AND THE ATTACHED SPECIAL PROVISIONS
2. PROPOSED WELL GROUTING MATERIAL AND PLACEMENT PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL
3. ALLOW GROUT TO SET FOR 3-DAYS, OR AS REQ'D BY APPROVED PLAN, BEFORE CONTINUING WORK THAT MAY CAUSE GROUT DAMAGE
4. FINAL ALIGNMENT OF WATERLINE PIPE SHALL BE APPROVED BY THE ENGINEER. WATERLINE PIPE SHALL MAINTAIN A MIN. 7' BURIAL DEPTH
5. FINISH GRADE OF WATERLINE PIPE SYSTEM SHALL FREELY GRAVITY DRAIN WHEN VALVE BOX HAS BEEN OPENED. FINISH GRADE OF WATERLINE PIPE SHALL BE APPROVED BY THE ENGINEER.
6. WATER PIPE SHALL BE 1.25" DIA, DR 13.5 HDPE PIPE MANUFACTURED IN ACCORDANCE W/ AWWA C-906 AND ASTM F-714 W/ PE 4710 RESIN MATERIALS APPROVED BY NSF 61 POTABLE WATER USE, AND MARKED IN ACCORDANCE W/ ASTM F-714
7. ALL SYSTEM FITTINGS AND FASTENERS SHALL BE APPROVED MATERIALS AS SPECIFIED IN THE THE ATTACHED SPECIAL PROVISIONS
8. JOINTS BETWEEN PIPE SECTIONS AND FITTINGS SHALL BE BUTT FUSED W/ FUSION MACHINE, BY QUALIFIED PERSONNEL, IN ACCORDANCE WITH PIPE AND MANUFACTURER'S RECOMMENDATIONS
9. PIPE SHALL BE JOINED TO VALVES AND OTHER MATERIALS W/ WATERTIGHT FLANGE ASSEMBLY CONSISTING OF A MOLDED POLYETHYLENE STUB END, BACKING RING, FULL FACE POTABLE-WATER USE GASKET, CONNECTED WITH BOLTS
10. INSTALL COPPER TRACE WIRE W/ PIPE IN A CONTINUOUS RUN WITH WATERLINE PIPE FROM WELL HOUSE TO THE RV HOSE BIB. LEAVE A 6' TAIL, TAGGED: "WATER LOCATE WIRE", AT THE BUILDING EXTERIOR AND WITHIN THE FAUCET VALVE BOX
11. CLEAN AND TEST SYSTEM IN ACCORDANCE W/ THE ATTACHED SPECIAL PROVISIONS
12. CONTRACTOR SHALL PLACE TOPSOIL AND SEED TO THE EXTENT OF THE GROUND DISTURBED TO RESTORE THE SITE, AS DIRECTED AND ACCEPTED BY THE ENGINEER



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OLD KASLOF LANDING SRS

FACILITY HOST SITE

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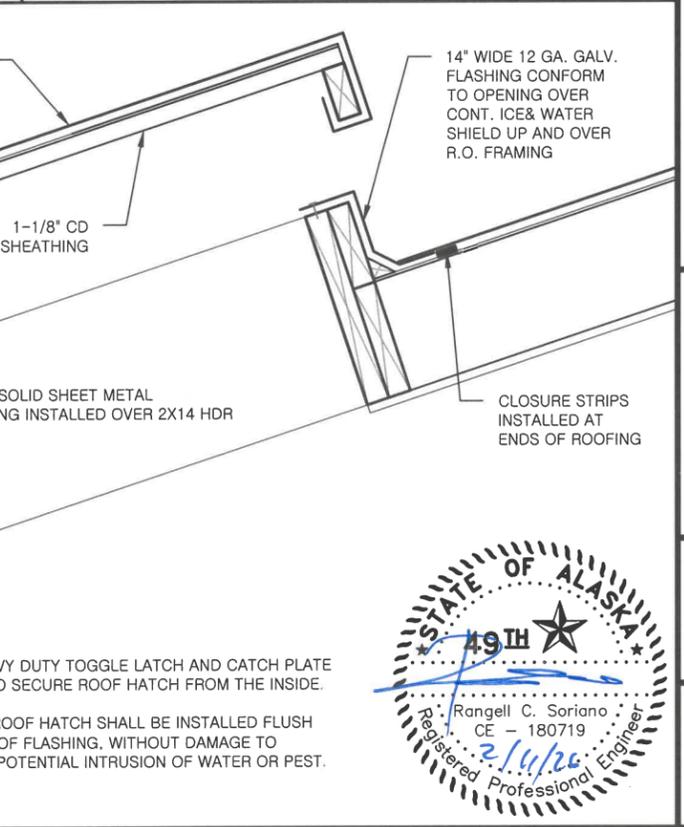
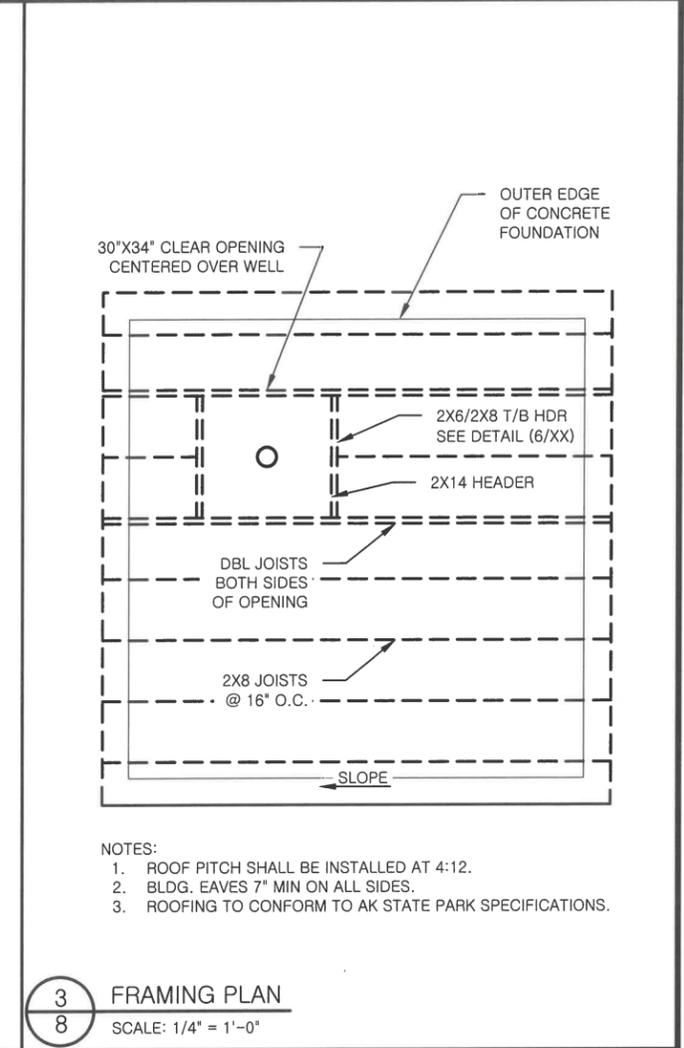
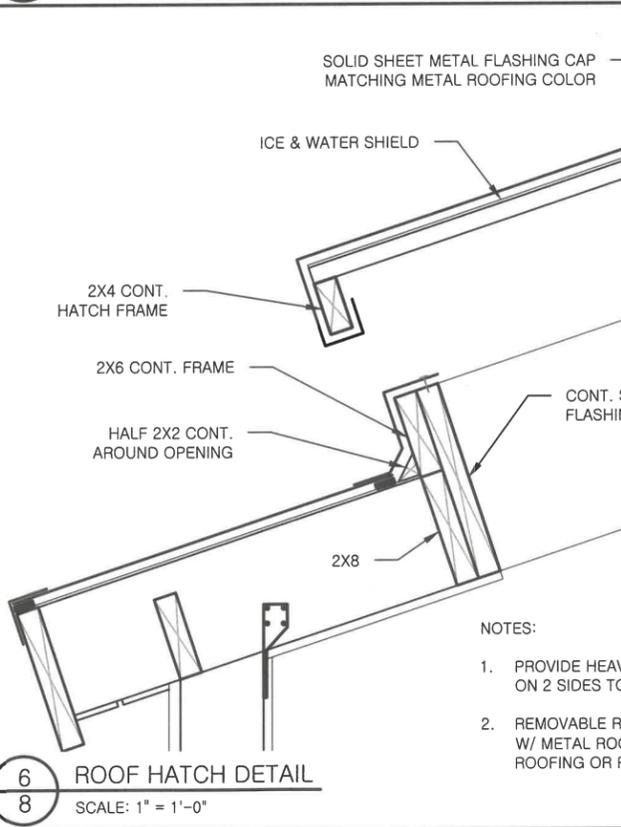
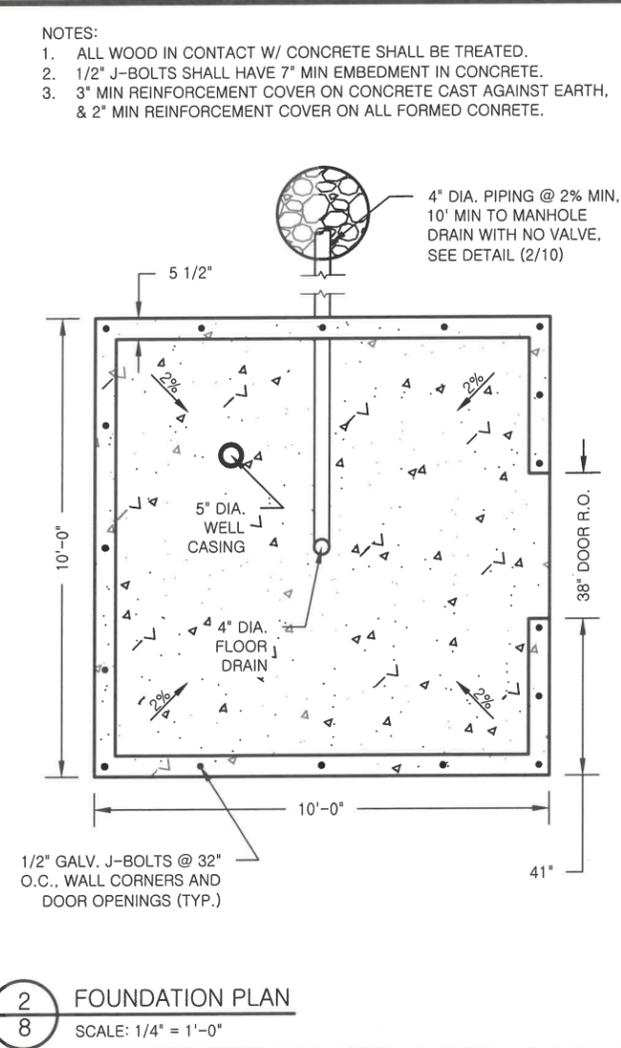
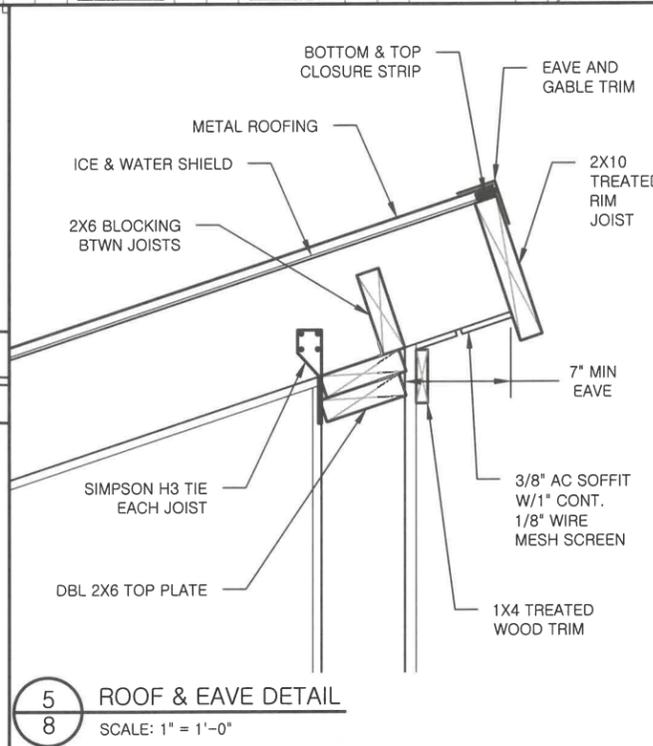
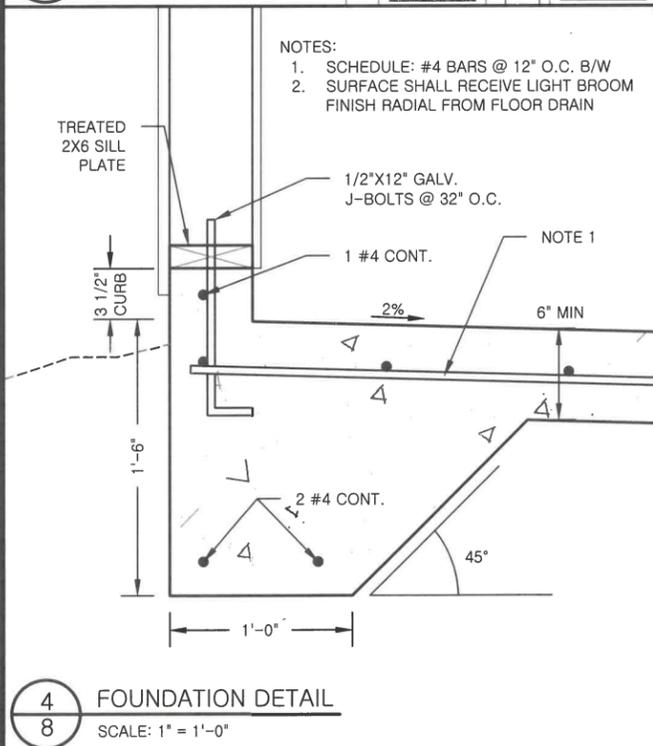
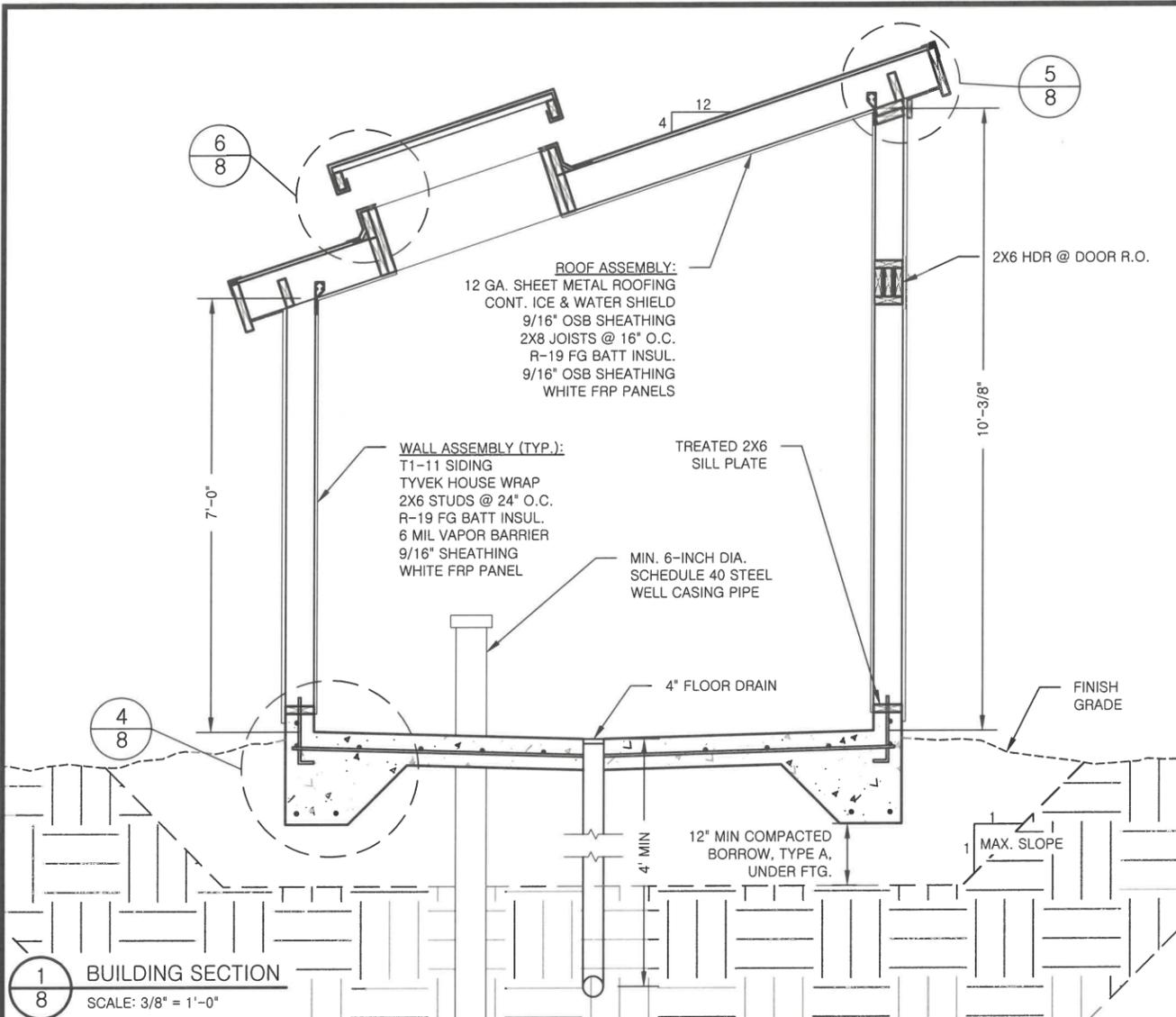
WATERLINE PLAN & PROFILE

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SHEET

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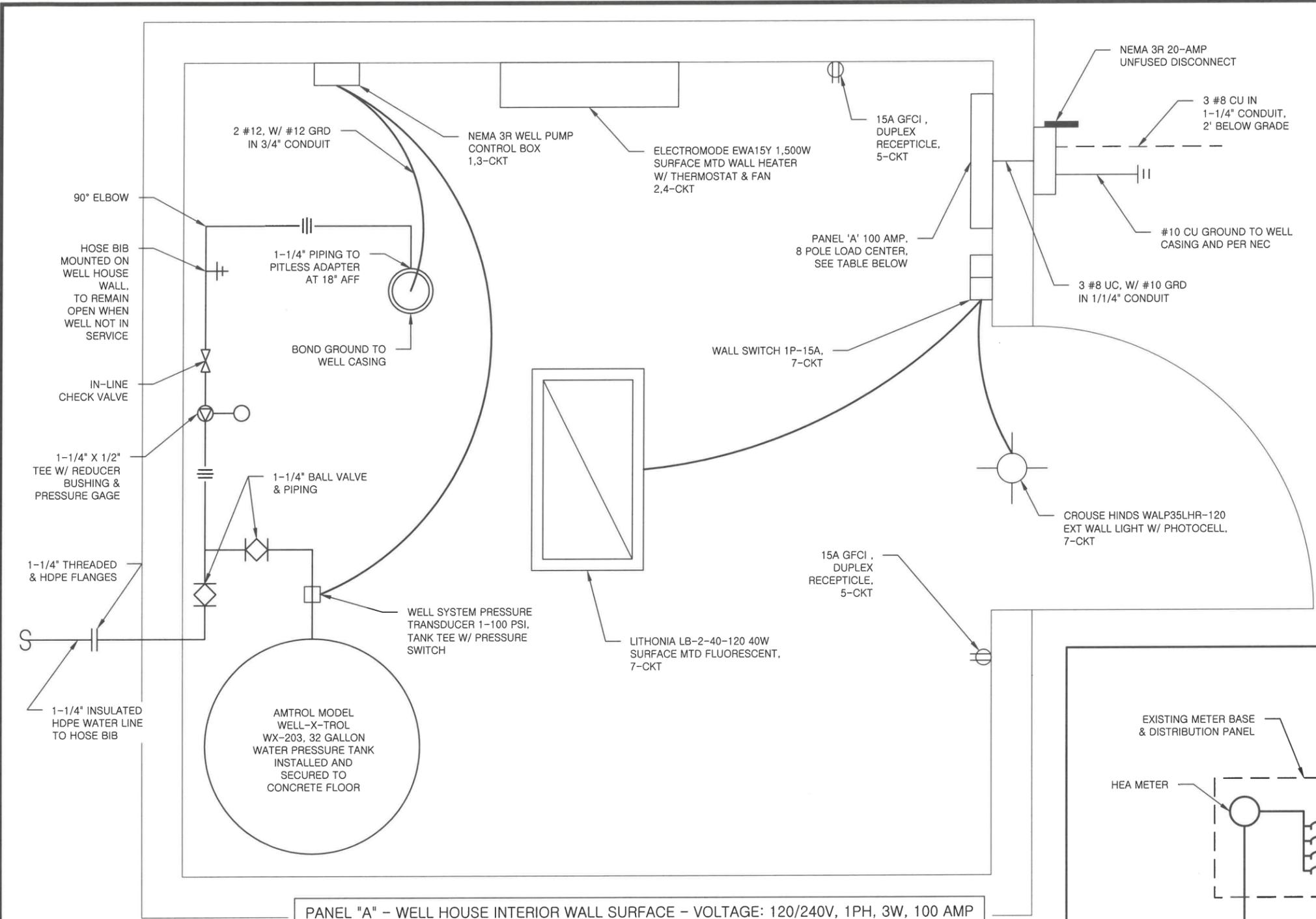
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WELL HOUSE DETAILS

ALASKA STATE PARKS

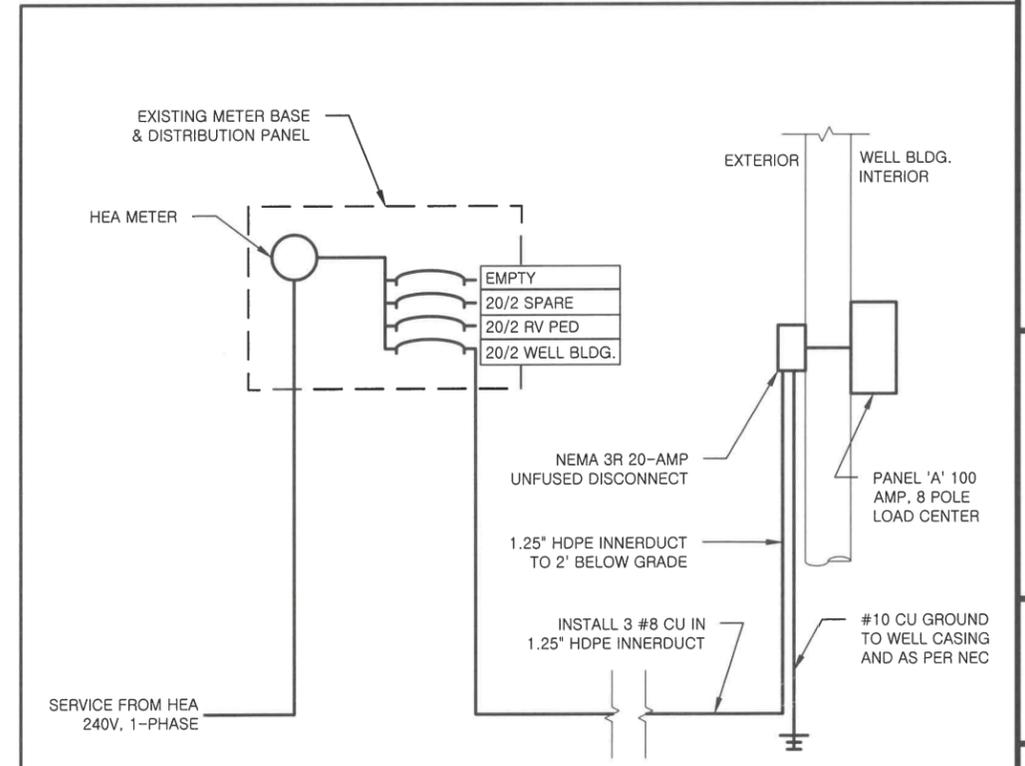
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- GENERAL ELECTRICAL NOTES:**
1. ALL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND OTHER APPLICABLE CODES AND STANDARDS
 2. WIRE SIZE SHALL BE #12 MIN., UNLESS OTHERWISE NOTED. WIRE SIZES SMALLER THAN #6 AWG SHALL BE THHN/THWN. #6 AWG WIRE & LARGER SHALL BE THW, UNLESS NOTED OTHERWISE
 3. NEW TYPEWRITTEN PANEL DIRECTORY SHALL BE FURNISHED AFTER JOB IS COMPLETED REFLECTING AS-BUILT CONDITIONS
 4. 20/2 SPARE FUSE SHALL HAVE A 3 #8 CU CIRCUIT WHICH SHALL TERMINATE AT JUNCTION BOX AT THE HISTORICAL CABIN. CIRCUIT SHALL BE DE-ENERGIZED AND APPROPRIATELY CAPPED, PROTECTED, AND LABELED AS APPROVED BY THE ENGINEER.
 5. ALL ELECTRICAL WORK SHALL BE COMPLETED BY A LICENSED ELECTRICIAN, OR OTHER QUALIFIED PERSONNEL AS APPROVED BY THE ENGINEER.

- GENERAL PIPING NOTES:**
1. ALL WELL PIPING SHALL BE 1.25" DIA. GALVANIZED STEEL PIPE UNLESS NOTED OTHERWISE
 2. WELL PUMP SHALL BE 240V, SINGLE PHASE, MINIMUM 15 GPM CAPACITY W/ TOTAL DESIGN HEAD OF 140 FEET RESIDUAL HEAD PLUS DEPTH FROM TOP OF CASING TO TOP OF WATER DRAWDOWN IN WELL.
 3. ALL VALVES AND HOSE BIBS TO BE MIN. CLASS 125 BRASS. THREADED BALL, CHECK, AND GATE VALVES AS NOTED.
 4. WELL CONTROL BOX SHALL BE NEMA 3R AND INCLUDE CAPACITOR START, RESETABLE OVERLOAD RELAY, PRESSURE SWITCH RELAY, AND GROUND LUGS.



PANEL "A" - WELL HOUSE INTERIOR WALL SURFACE - VOLTAGE: 120/240V, 1PH, 3W, 100 AMP

CKT	DESCRIPTION	BREAKER	KVA		BUS	KVA		BREAKER	DESCRIPTION	CKT
			A	B		A	B			
1	WELL PUMP	15 /2	250			750		15 /2	HEATER	2
3				250		750				
5	OUTLET	20 /1	200					20 /1	SPARE	6
7	LIGHTS	20 /1		100				20 /1	SPARE	8
9	SPACE								SPACE	10
11	SPACE								SPACE	12

NOTE - PHASE A KVA: 1.2 & PHASE B KVA: 1.2



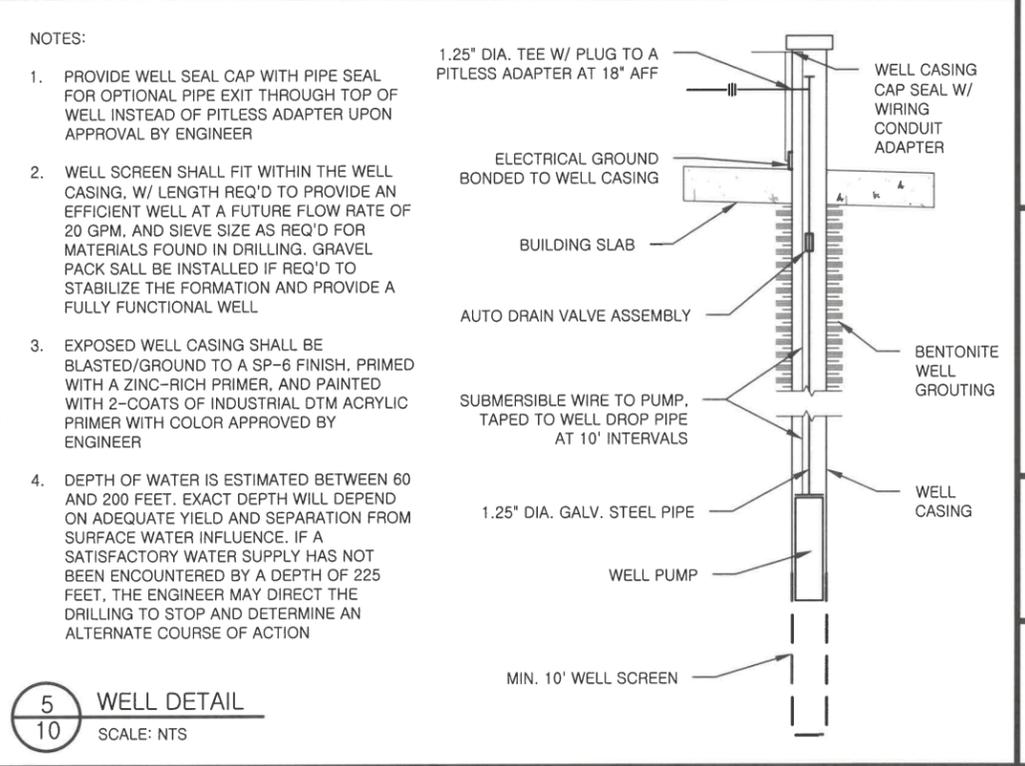
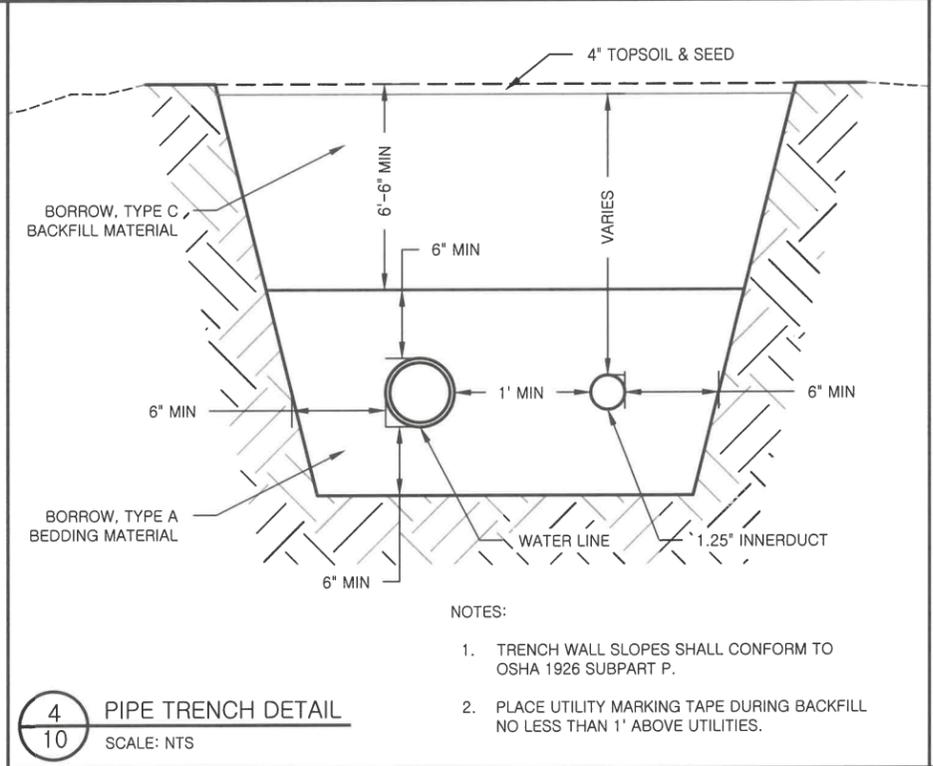
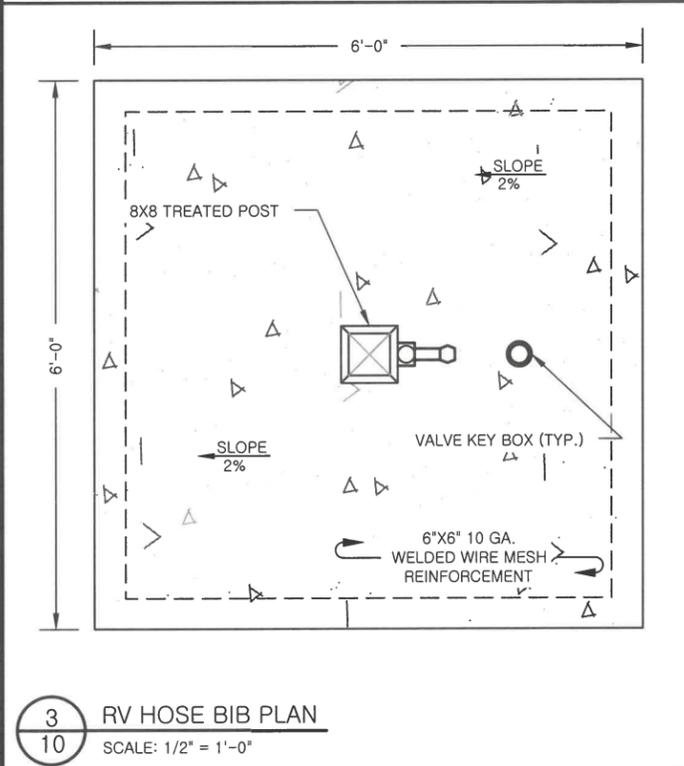
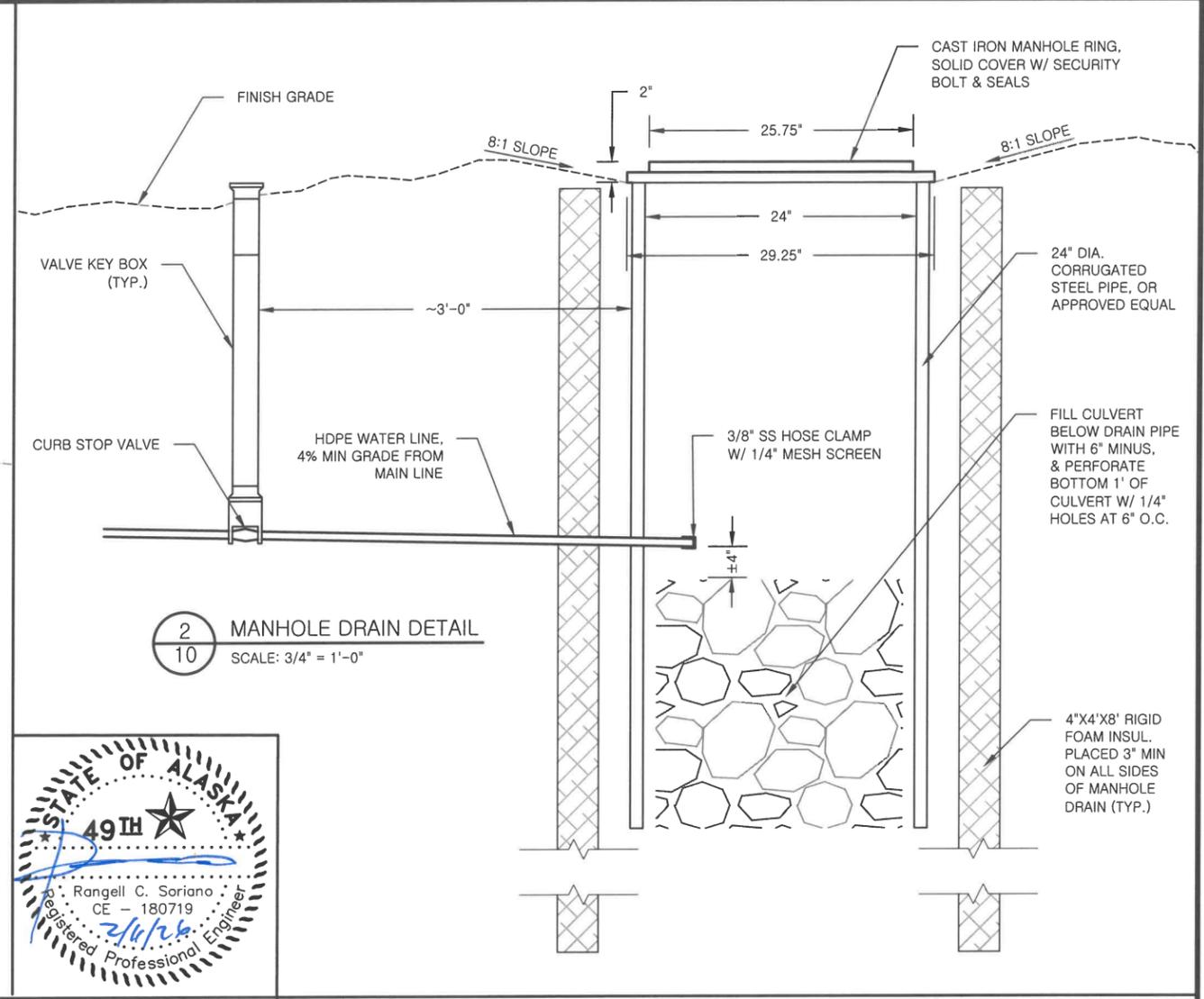
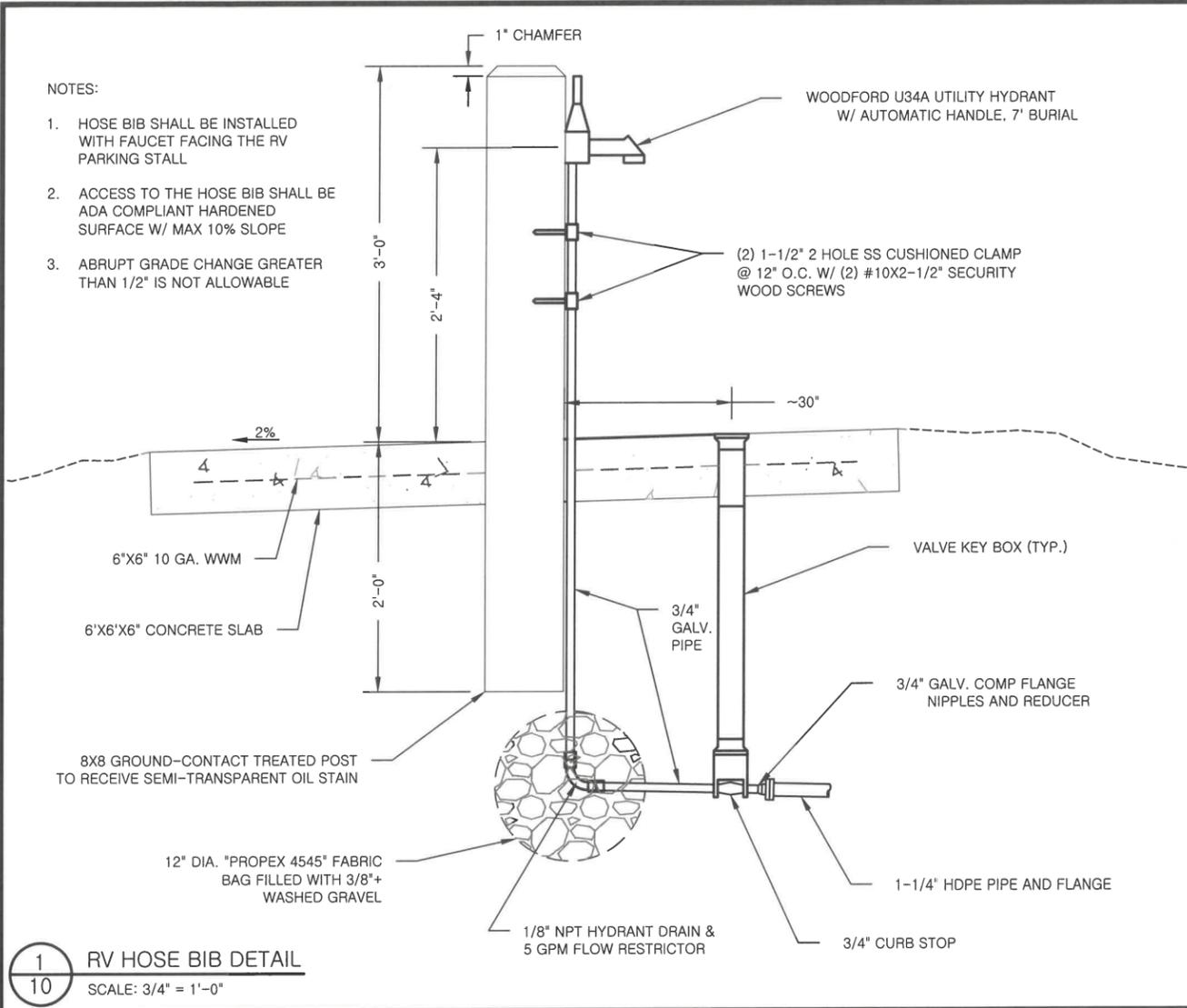
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WELL HOUSE PIPING
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DETAILS

ALASKA STATE PATRONS

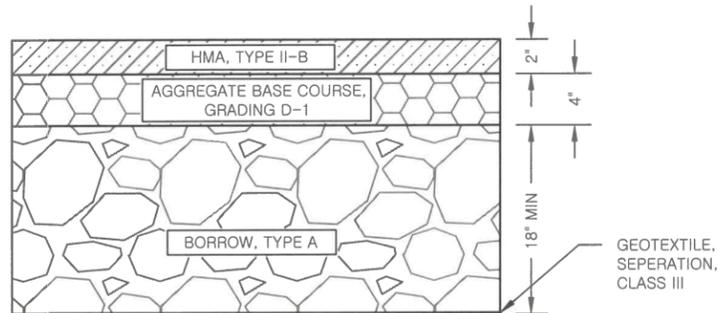
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 OF 11 SHEETS

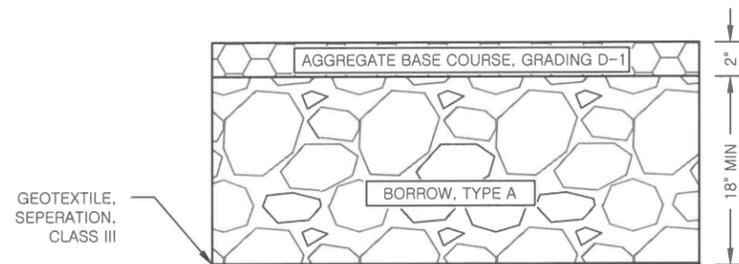
NOTES:

- BACKFILL EXCAVATED AREAS FOR UTILITIES WITH SELECT MATERIAL TYPE C. PLACE NATIVE VEGETATIVE MAT, OR TOPSOIL AND SEED, AS FINAL SURFACE AS APPROVED BY THE ENGINEER
- FINAL ALIGNMENT OF 1.25" HDPE INNERDUCT AND JUNCTION BOXES SHALL BE VERIFIED BY THE ENGINEER
- INSTALLED RADII OF 1.25" HDPE INNERDUCT SHALL BE PER MANUFACTURER'S RECOMMENDATIONS AND SHALL NOT IMPEDE PULLING CONDUCTOR

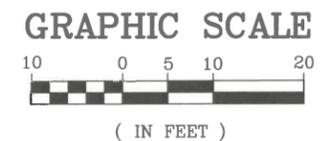
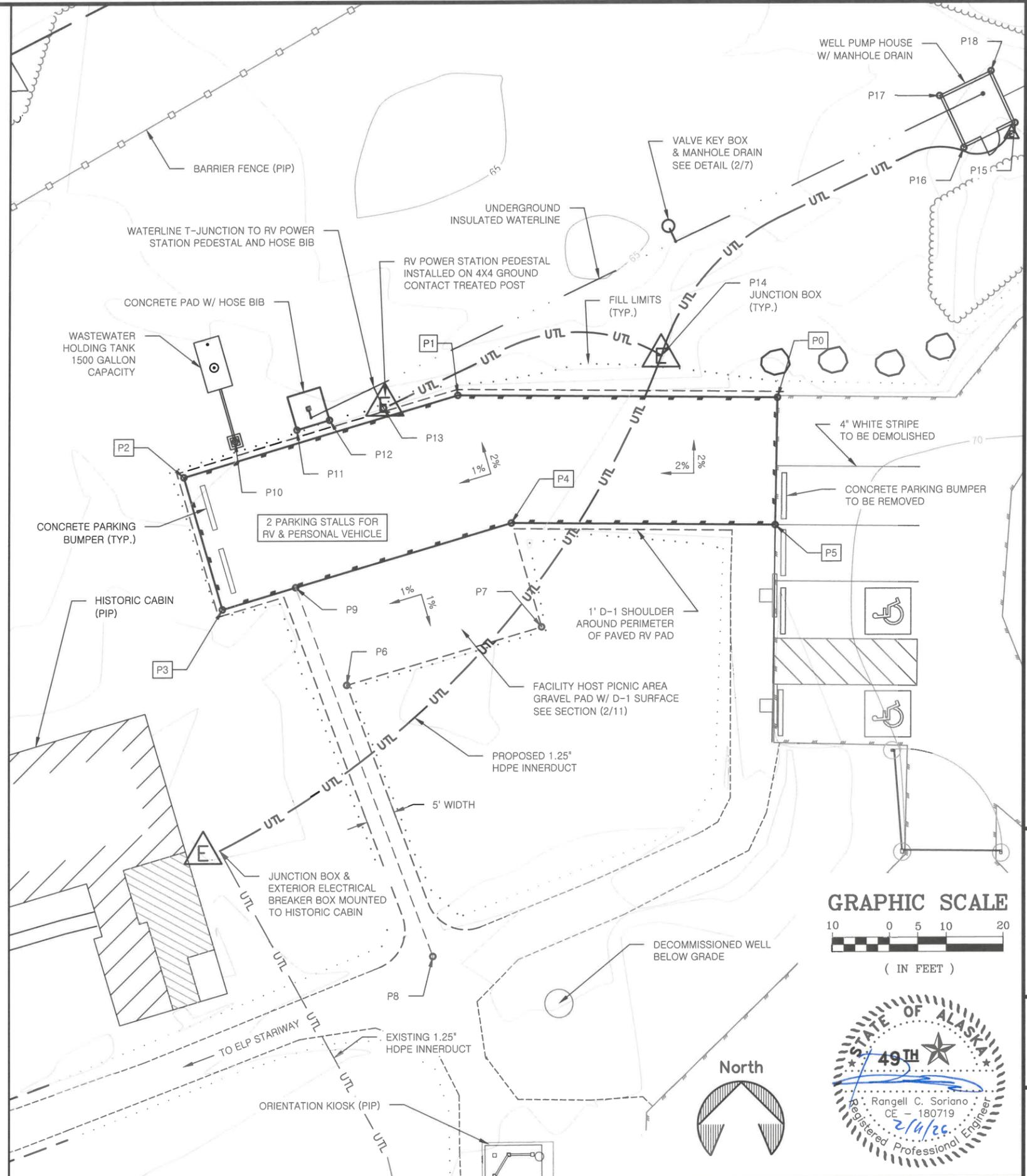
POINT NUMBER	F.G. ELEV.	NORTHING	EASTING	DESCRIPTION
P0	M.E.	2325167.83	1409113.85	EXISTING EDGE OF ASPHALT
P1	68.56	2325168.36	1409057.86	EDGE OF ASPHALT
P2	68.06	2325154.21	1409009.90	EDGE OF ASPHALT
P3	68.54	2325131.19	1409016.69	EDGE OF ASPHALT
P4	69.07	2325146.12	1409067.29	EDGE OF ASPHALT
P5	M.E.	2325145.68	1409113.49	EDGE OF ASPHALT
P6	68.53	2325117.97	1409038.58	CORNER OF D-1 PAD
P7	68.71	2325128.02	1409072.63	CORNER OF D-1 PAD
P8	M.E.	2325070.70	1409053.55	TRAIL TIE-IN ALIGNMENT
P9	68.66	2325134.98	1409029.56	TRAIL TIE-IN ALIGNMENT
P10	67.59	2325160.45	1409018.88	WASTEWATER HOLDING TANK BASIN
P11	68.02	2325162.40	1409029.73	TOP OF HOSE BIB CONCRETE PAD
P12	68.02	2325164.09	1409035.48	TOP OF HOSE BIB CONCRETE PAD
P13	68.23	2325166.18	1409044.93	RV POWER STATION PEDESTAL
P14	M.E.	2325175.17	1409093.64	JUNCTION BOX
P15	67.65	2325215.48	1409155.38	TOP OF WELL PUMP HOUSE FTG
P16	67.65	2325211.16	1409146.36	TOP OF WELL PUMP HOUSE FTG
P17	67.65	2325220.18	1409142.04	TOP OF WELL PUMP HOUSE FTG
P18	67.65	2325224.50	1409151.06	TOP OF WELL PUMP HOUSE FTG



1 FACILITY HOST RV PAD
11 TYPICAL SECTION



2 FACILITY HOST PICNIC AREA
11 TYPICAL SECTION



STATE OF ALASKA, DEPARTMENT OF NATURAL RESOURCES
PLANS DEVELOPED BY: DIVISION OF PARKS AND OUTDOOR RECREATION
 550 W 7TH AVE. SUITE 1340, ANCHORAGE, AK 99501 - 907.269.8731

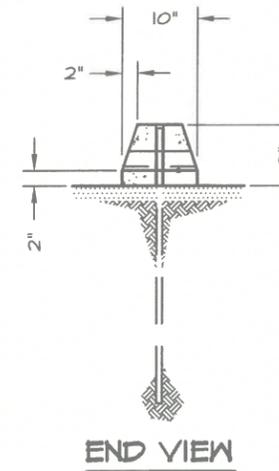
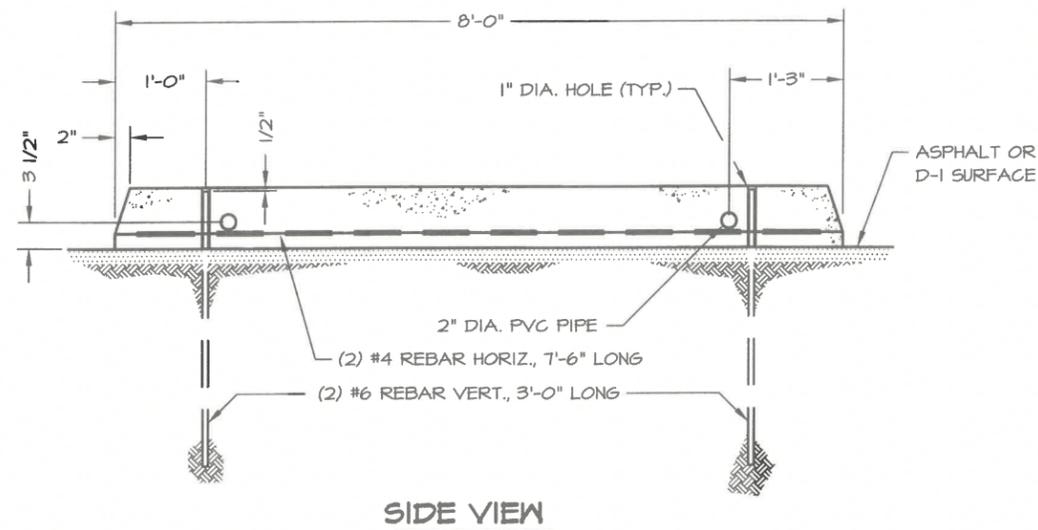
OLD KASLOF LANDING SRS
 FACILITY HOST SITE
 PROJECT No. 73032-2

FACILITY HOST SITE PLAN



PREPARED: DKM
 DRAWN: DKM
 REVIEWED: RCS
 DATE: 02/2026

SHEET
11
 OF 11 SHEETS



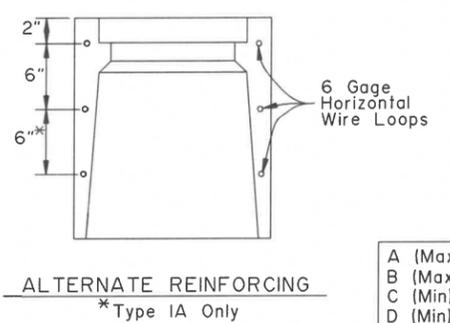
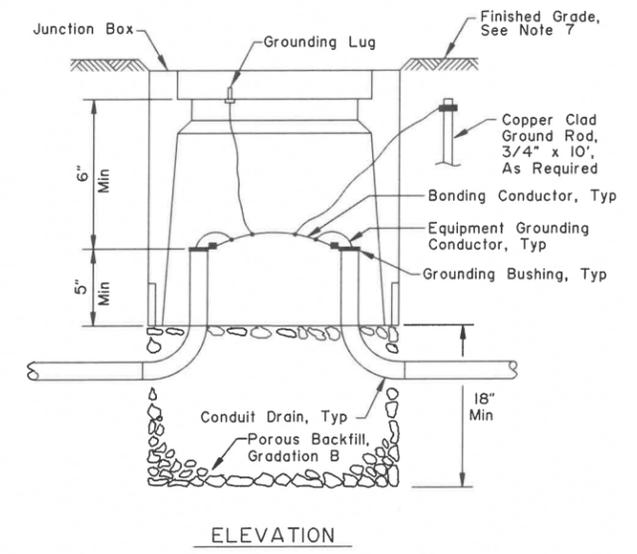
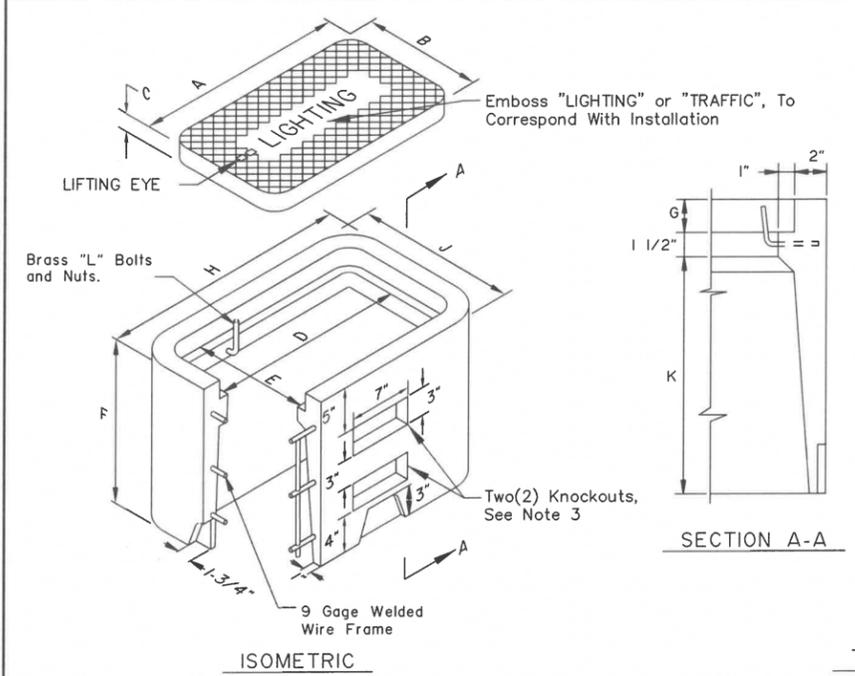
① CONCRETE PARKING BUMPER



NO.	REVISION	DATE	APPROVED
11	REPLACED STAMP	12/13	RBM
10	CHANGED STATE PARK LOGO	04/10	MPS
9	CHANGED TITLE BLOCK	12/07	MPS
8	DELETED WOOD PARKING BUMPER & NOTES	10/03	MPS
7	UPDATED PRESSURE TREATMENT NOTE	12/04	MPS
6	UPDATED PRESSURE TREATMENT NOTE	3/04	MPS
5	REPLACED STAMP	3/04	MPS
4	REPLACED STAMP	3/02	DH

PREPARED: tlc
 DRAWN: tlc
 REVIEWED: DH
 DATE: 1 MAY 94

SHEET 1
 P-6
 OF 1 SHEETS

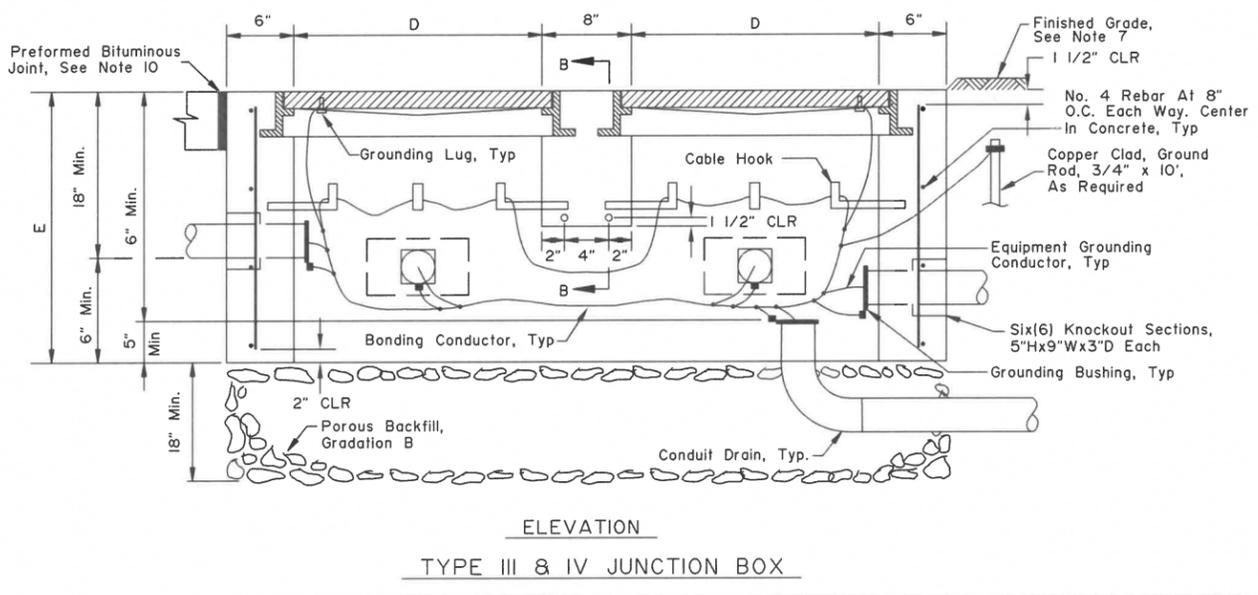
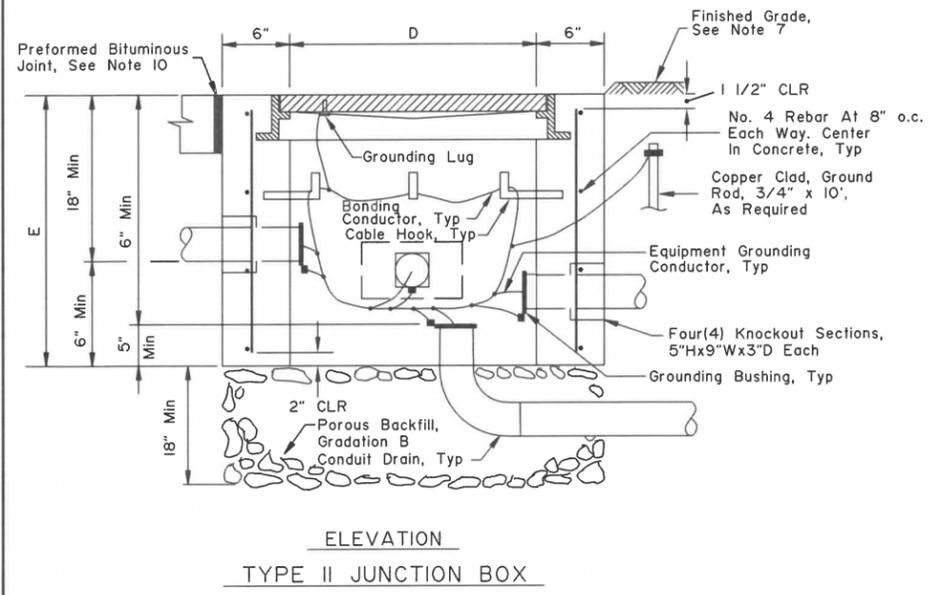
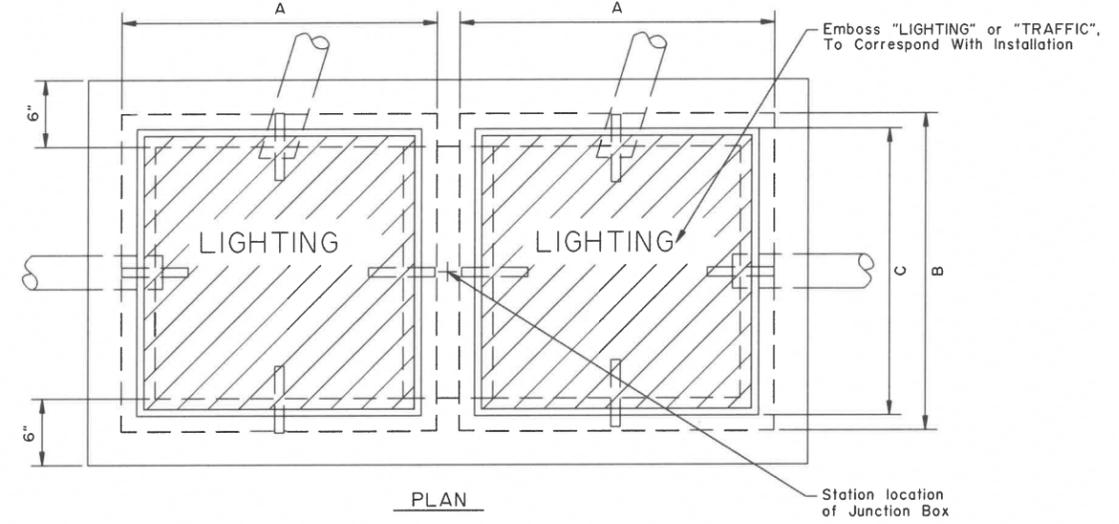
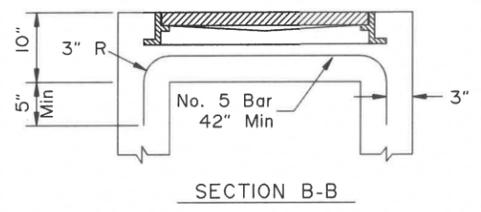
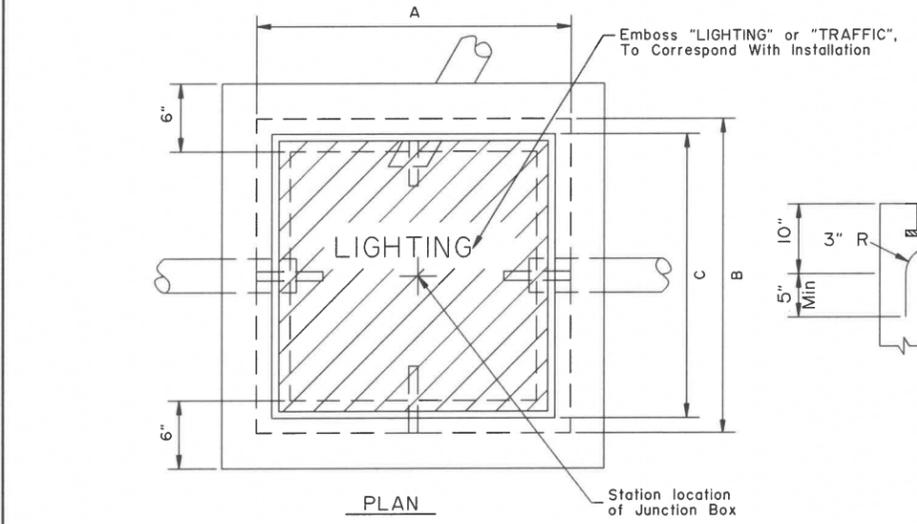


DIMENSIONS (IN)		
	TYPE I	TYPE IA
A	15	22 3/4
B	10	13 1/4
C	1 3/4	2
D	13 1/2	21 1/4
E	8 1/2	11 3/4
F	12	18
G	1 3/4	2
H	19 1/2	27 1/4
J	14 1/2	17 3/4
K	8 3/4	14 1/2

DIMENSIONS (IN)			
	TYPE II	TYPE III	TYPE IV
A (Max)	30	30	30
B (Max)	30	30	36
C (Min)	22	22	30
D (Min)	22	22	24
E (Min)	24	24	30

TYPE I & IA JUNCTION BOX

- GENERAL NOTES:**
- See the Standard Specifications for Highway Construction (SSHC) for additional requirements.
 - See Section 660-2.01 of the SSHC for concrete and reinforcing steel requirements.
 - Provide knockouts indicated in Type IA junction box when installed for loop detection. Conduit for loop detectors to enter junction box through knockouts.
 - Covers for junction boxes shall be cast iron. Type I and IA shall be secured to junction box with a minimum of two bolts and be rated ANSI/SCTE 77, Tier 8, minimum. Type II, Type III and Type IV cover shall weigh over 100 pounds and be ANSI/SCTE77, AASHTO H-20 traffic rated.
 - The minimum required bearing capacity for Type I shall be 6,800psf, for Type IA shall be 5,100psf, for Type II shall be 3,500psf, for Type III shall be 2,300psf, and for Type IV shall be 2,000psf.
 - See section 703-2.10 of the SSHC for Porous Backfill material requirements.
 - See section 660-3.04 of the SSHC for top of junction box placement to finished grade requirements.
 - Provide conduits as required, size and quantity indicated in plans.
 - Provide grout around conduits in knockouts and for unused knockouts.
 - Provide a 1/2" thick preformed bituminous joint material around junction boxes installed in concrete walkways.
 - Metal conduits and junction box covers shall be bonded together to be electrically continuous using No. 8 AWG minimum copper bonding conductor. Cover shall be bonded using a tinned copper braided bonding jumper.



TYPE II JUNCTION BOX

TYPE III & IV JUNCTION BOX

NOT TO SCALE

State of Alaska DOT&PF
ALASKA STANDARD PLAN

**JUNCTION BOXES
FOR ELECTROLIER
& TRAFFIC SIGNALS**

Adopted as an Alaska
Standard Plan by *Carolyn H. Morehouse*
Carolyn Morehouse, P.E.
Chief Engineer

Adoption Date: 09/15/2022

Last Code and Stds. Review
By: CNH Date: 7/15/2020
Next Code and Standards Review date: 7/15/2030