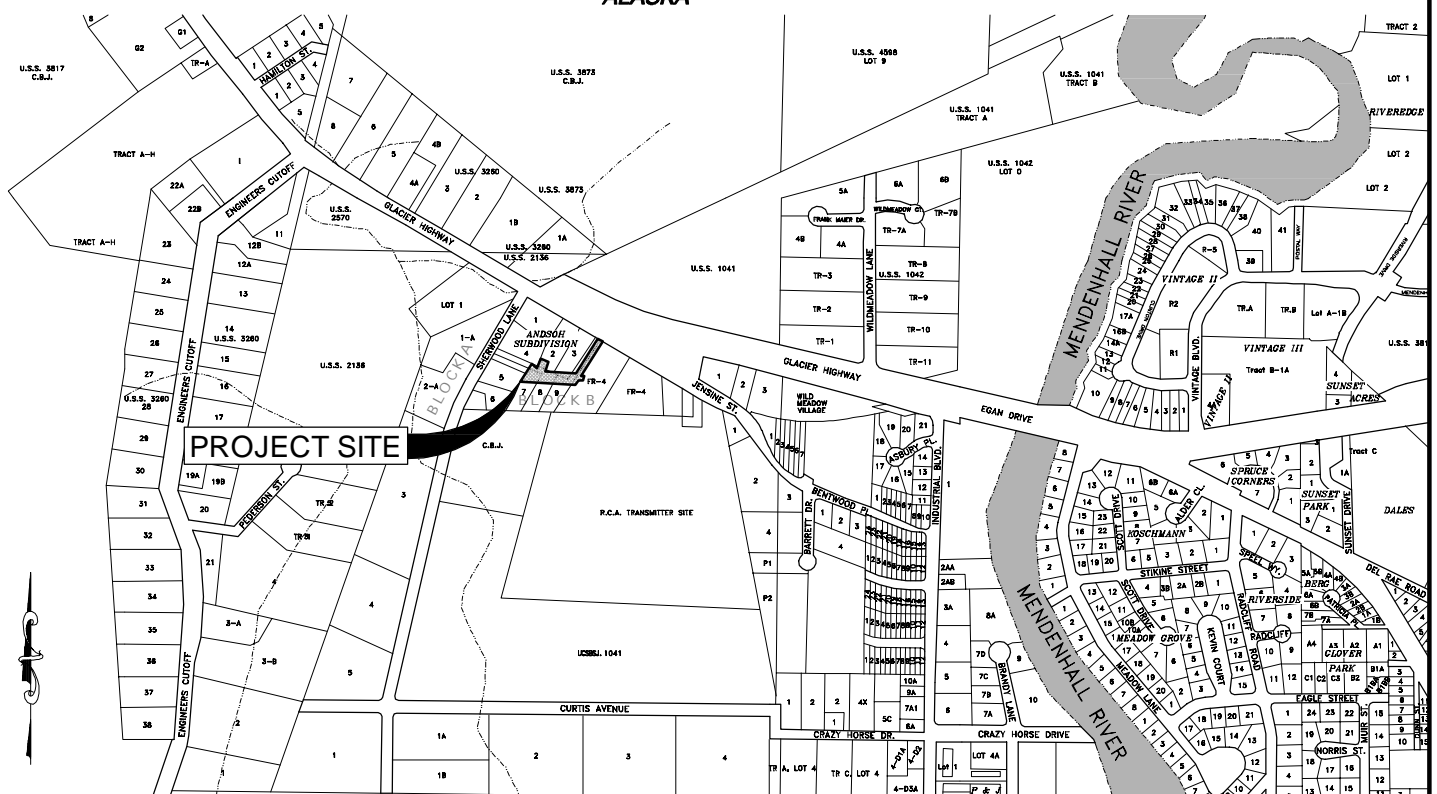
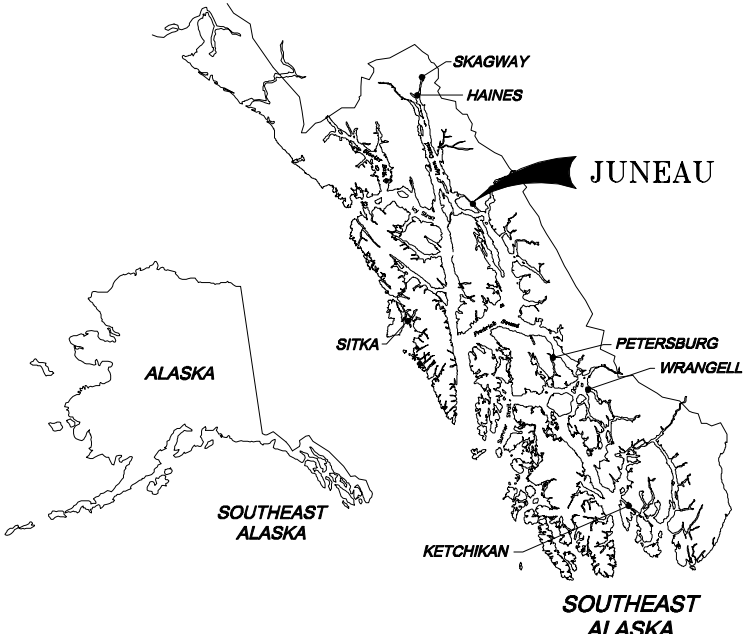


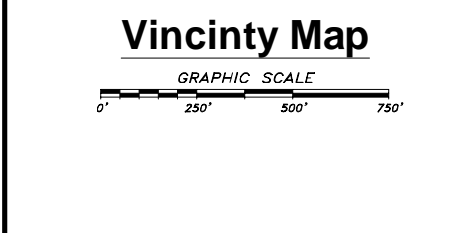
SHEET INDEX

SHEET	DESCRIPTION
1	VICINITY MAP
2	SITE LOCATION MAP
3	SYMBOLS, QUANTITIES AND ABBREVIATIONS
4	EXISTING SITE CONDITIONS
5	SITE PLAN
6	CULVERT EXTENSION DETAILS
7	PROPOSED DRIVEWAY AND EASEMENT



**JUNEAU, GASTINEAU CHANNEL,
STEPHENS PASS, ALASKA**
(PUBLICATION DATED 04/21/2003)
TIDAL DATUM

HTL 24.37'
MHW. 15.34'
MLLW. 0.00'



**CULVERT EXTENSION
AND FILL PLACEMENT
FOR LOTS 7, 8 & 9
BLOCK B
ANDSOH SUBDIVISION**

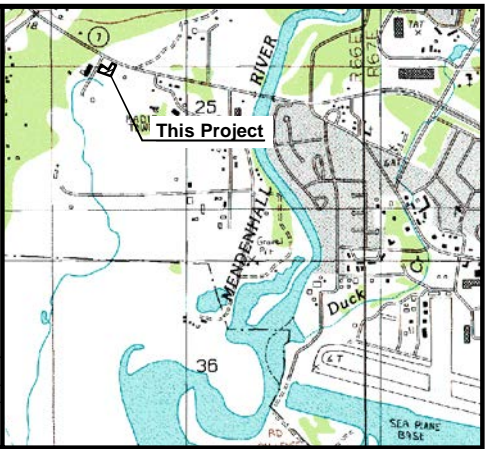
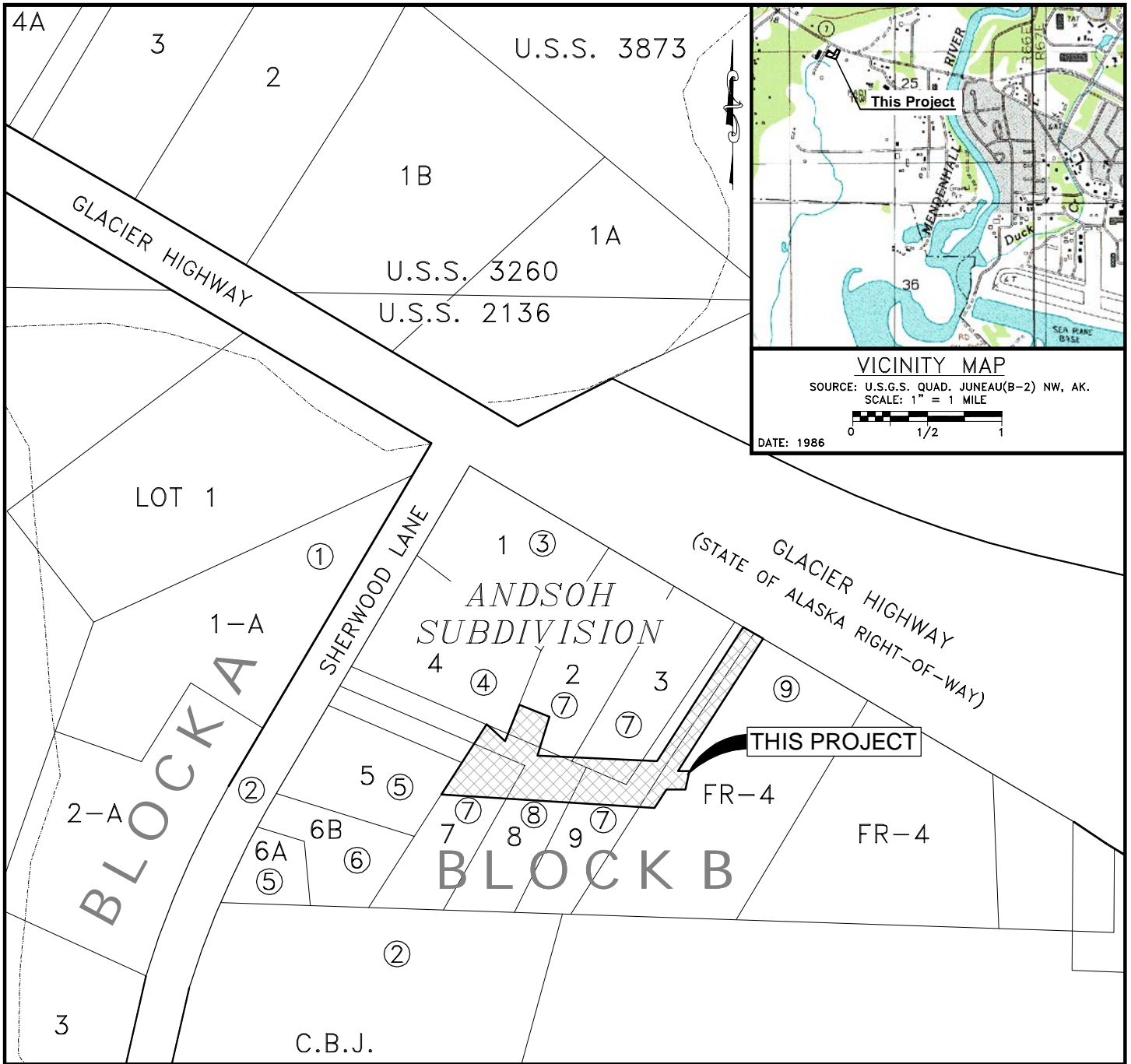
IN: GASTINEAU CHANNEL
AT: JUNEAU, ALASKA
APPLICANT: JOHN ARMSTRONG
PO BOX 35513
JUNEAU, ALASKA 99801

PROJECT PURPOSE: THE PURPOSE OF THIS PROJECT IS TO INSTALL CULVERT PIPES AND TO PLACE CLEAN FILL MATERIAL ON EXISTING FILLED LOTS TO ALLOW VEHICLE ACCESS AND LOTS TO BE DEVELOPED.

DATE: APRIL 20, 2017 SHEET 1 OF 7

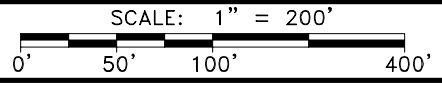
PDC PROJ.: 17003JN

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VICINITY MAP
 SOURCE: U.S.G.S. QUAD. JUNEAU(B-2) NW, AK.
 SCALE: 1" = 1 MILE
 DATE: 1986

SITE LOCATION MAP



ADJACENT PROPERTY OWNERS



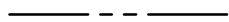

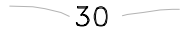
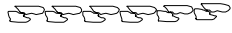
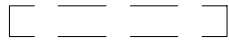


- ① JCM RENTALS INC.
- ② CITY AND BOROUGH OF JUNEAU
- ③ SAMUEL P. SMITH
- ④ CARLOS TREE SERVICE, INC.
- ⑤ BUILDING PROS, INC.
- ⑥ BEAR DEN YACHT CONDOMINIUMS OWNERS ASSOCIATION
- ⑦ ANDSOH ASSOCIATES, LLC
- ⑧ ANDREW MICHAEL DUNN
- ⑨ C&M RENTALS

CULVERT EXTENSION
 AND FILL PLACEMENT
 FOR LOTS 7, 8 & 9
 BLOCK B
 ANDSOH SUBDIVISION
 IN: GASTINEAU CHANNEL
 AT: JUNEAU, ALASKA
 APPLICANT: JOHN ARMSTRONG
 PO BOX 35513
 JUNEAU, ALASKA 99801
 DATE: APRIL 20, 2017 SHEET 2 OF 7


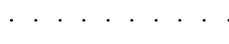
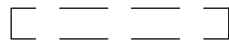

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SYMBOLS

EXISTING

	G.L.O. MONUMENT
	PROPERTY CORNER
	PROPERTY LINE
	EDGE OF PAVEMENT
	MAJOR CONTOUR INTERVAL
	ROCK SLOPE
	CULVERT PIPE
	STREAM FLOW DIRECTION
	ORDINARY HIGH WATER (BASED ON LINES OF VEGETATION)

NEW

	CUT SLOPE
	FILL SLOPE
	CULVERT PIPE
	REFERENCE BUBBLE CUT

QUANTITIES

CLEAN FILL MATERIAL = 2,010 C.Y.(±)

FILL PLACEMENT AREA = 19,912 S.F.

ABBREVIATIONS

CMP	—	CORRUGATED METAL PIPE	TYP.	—	TYPICAL
EXIST.	—	EXISTING			
I.E.	—	INVERT ELEVATION			
MIN.	—	MINIMUM			
M.H.W.	—	MEAN HIGH WATER			

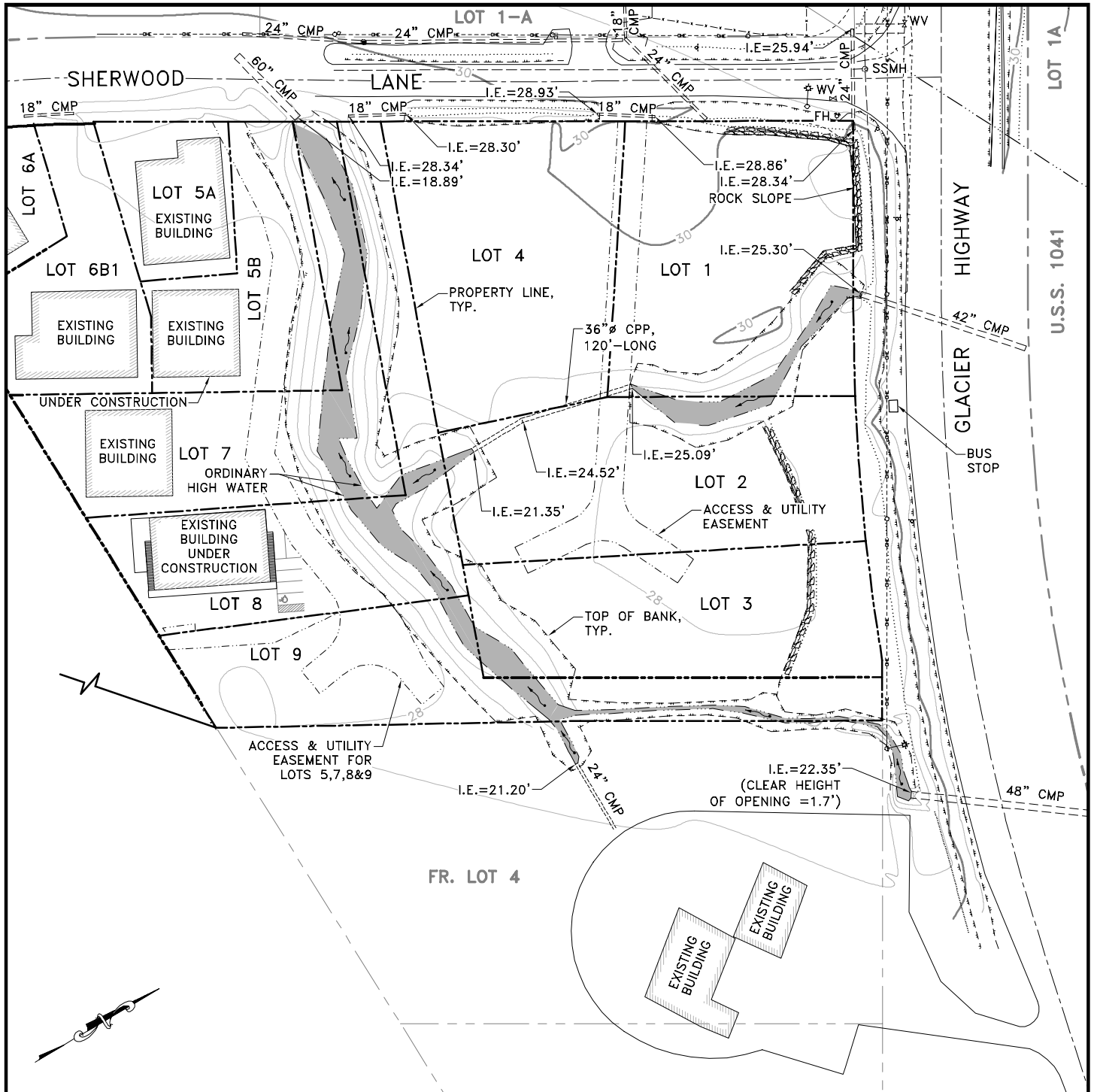
CULVERT EXTENSION
AND FILL PLACEMENT
FOR LOTS 7, 8 & 9
BLOCK B
ANDSOH SUBDIVISION

IN: GASTINEAU CHANNEL
AT: JUNEAU, ALASKA
APPLICANT: JOHN ARMSTRONG
PO BOX 35513
JUNEAU, ALASKA 99801

DATE: APRIL 20, 2017 SHEET 3 OF 7

PDC PROJ.: 17003JN

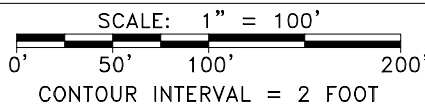
P:\2017\17003JN-Corp_Permits\17003JN_Corp Permitt Drawings.dwg PLOT: April 21, 2017 at: 11:27am JacobsGraves



NOTE:

- 1) TOPOGRAPHIC MAPPING SHOWN PREPARED BY J.W. BEAN, LAND SURVEYOR.
- 2) TOP OF BANK UPDATED ON 4-29-2015 BY R&M FIELD SURVEY.
- 3) PORTION OF STREAM ADJACENT TO FR. LOT 4 UPDATED ON 2-22-2017 BY PDC ENGINEERS.

EXISTING SITE CONDITIONS



CULVERT EXTENSION AND FILL PLACEMENT FOR LOTS 7, 8 & 9 BLOCK B ANDSOH SUBDIVISION
 IN: GASTINEAU CHANNEL
 AT: JUNEAU, ALASKA
 APPLICANT: JOHN ARMSTRONG
 PO BOX 35513
 JUNEAU, ALASKA 99801
 DATE: APRIL 20, 2017 SHEET 4 OF 7

GLACIER HIGHWAY

2:1 SLOPES WITH CLASS I RIPRAP PROTECTION, TYPICAL

LOT 1

TOP OF BANK, TYP

INSTALL 233' OF 48" CULVERT

FR. LOT 4

LOT 3

LOT 2

INSTALL 48"x48"x48" 45° WYE FITTING

2:1 SLOPES WITH CLASS I RIPRAP PROTECTION, TYPICAL

EXISTING 36"Ø CPP, 120'-LONG

PLACE NEW FILL TO EL. 29'± AREA = 19,912 S.F.

LOT 4

INSTALL 40' OF 36" CULVERT

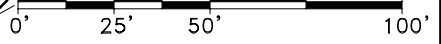
2:1 SLOPES WITH CLASS I RIPRAP PROTECTION, TYPICAL

SITE PLAN

MEAN HIGH WATER

SCALE: 1" = 50'

CONTOUR INTERVAL = 2 FOOT



CULVERT EXTENSION AND FILL PLACEMENT FOR LOTS 7, 8 & 9
BLOCK B
ANDSOH SUBDIVISION

IN: GASTINEAU CHANNEL
AT: JUNEAU, ALASKA
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JUNEAU, ALASKA 99801
DATE: APRIL 20, 2017 SHEET 5 OF 7

2:1 SLOPES WITH CLASS I RIPRAP PROTECTION, TYPICAL

LOT 5B

LOT 7

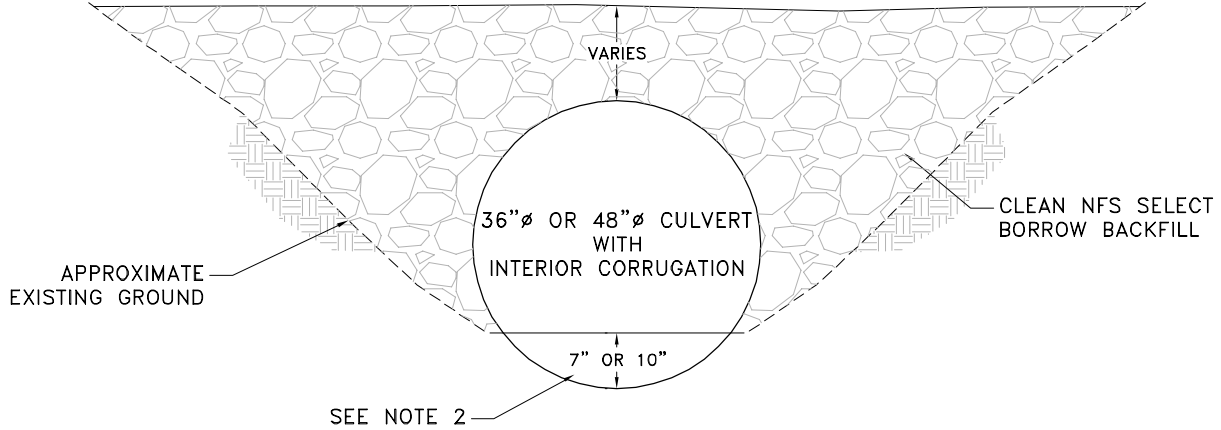
INSTALL 36"Ø SADDLE TEE

INSTALL 344' OF 48" CULVERT

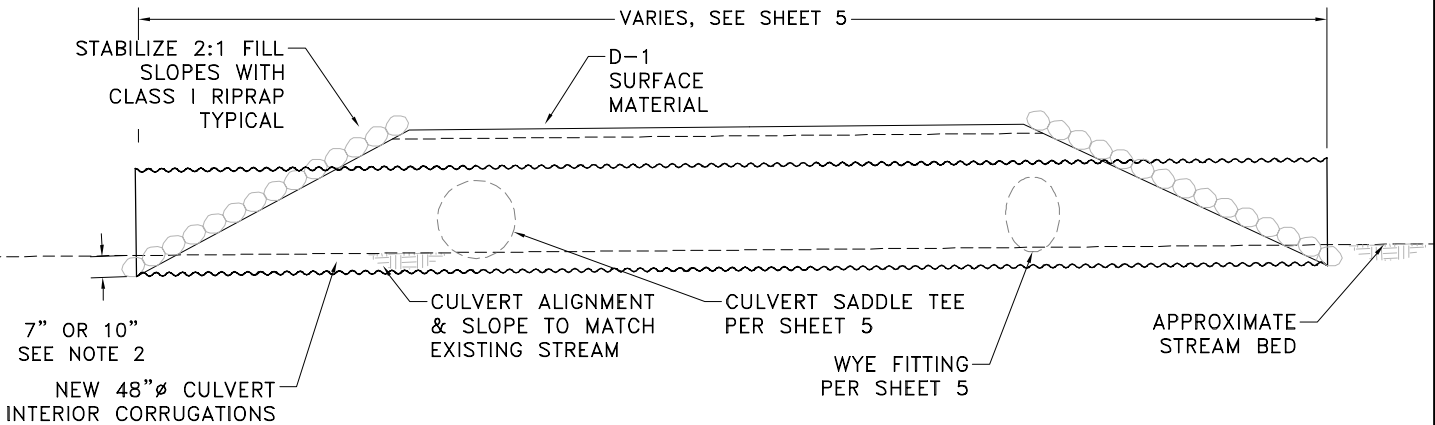
LOT 8

INSTALL 45°-BEND

LOT 9



CULVERT END SECTION
N.T.S.



CULVERT PROFILE
N.T.S.

CULVERT REPLACEMENT NOTES:

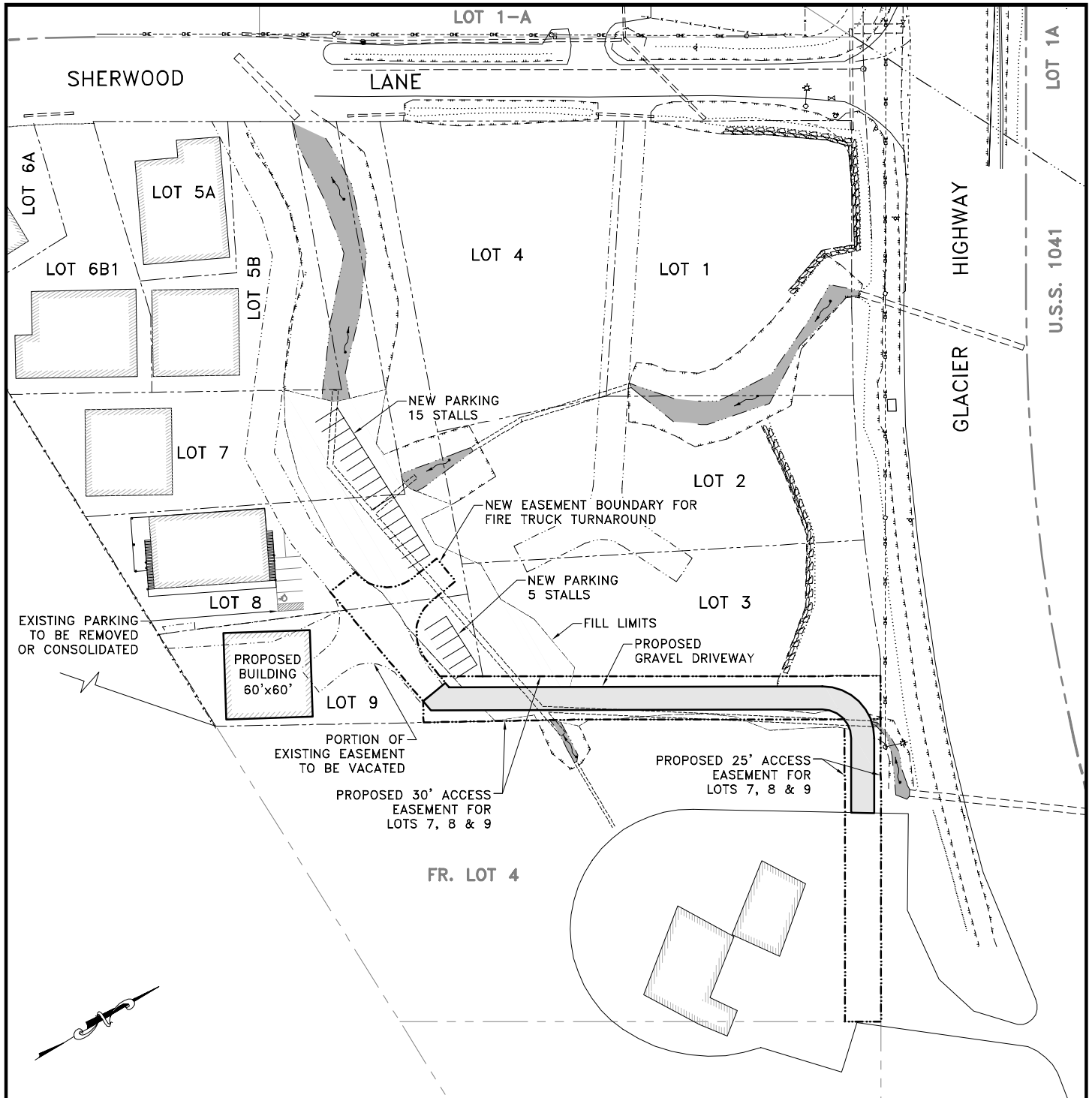
- 1) MAINTAIN WATER QUALITY REQUIREMENTS DURING CONSTRUCTION BY STORM WATER BEST MANAGEMENT PRACTICES (SILT FENCING, WADDLES, CHECK DAM, ETC.)
- 2) EMBED 36"Ø CULVERT 7" BELOW THE EXISTING STREAM BED FLOW LINE AND THE 48Ø CULVERT 10" BELOW THE EXISTING STREAM BED FLOW LINE.
- 3) SEE SHEET 5 FOR CULVERT ALIGNMENT AND FITTING LOCATIONS.

1 CULVERT DETAILS
N.T.S.

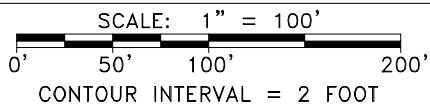
**CULVERT EXTENSION
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 DATE: APRIL 20, 2017 SHEET 6 OF 7

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PROPOSED DRIVEWAY & EASEMENT



CULVERT EXTENSION
 AND FILL PLACEMENT
 FOR LOTS 7, 8 & 9
 BLOCK B
 ANDSOH SUBDIVISION
 IN: GASTINEAU CHANNEL
 AT: JUNEAU, ALASKA
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