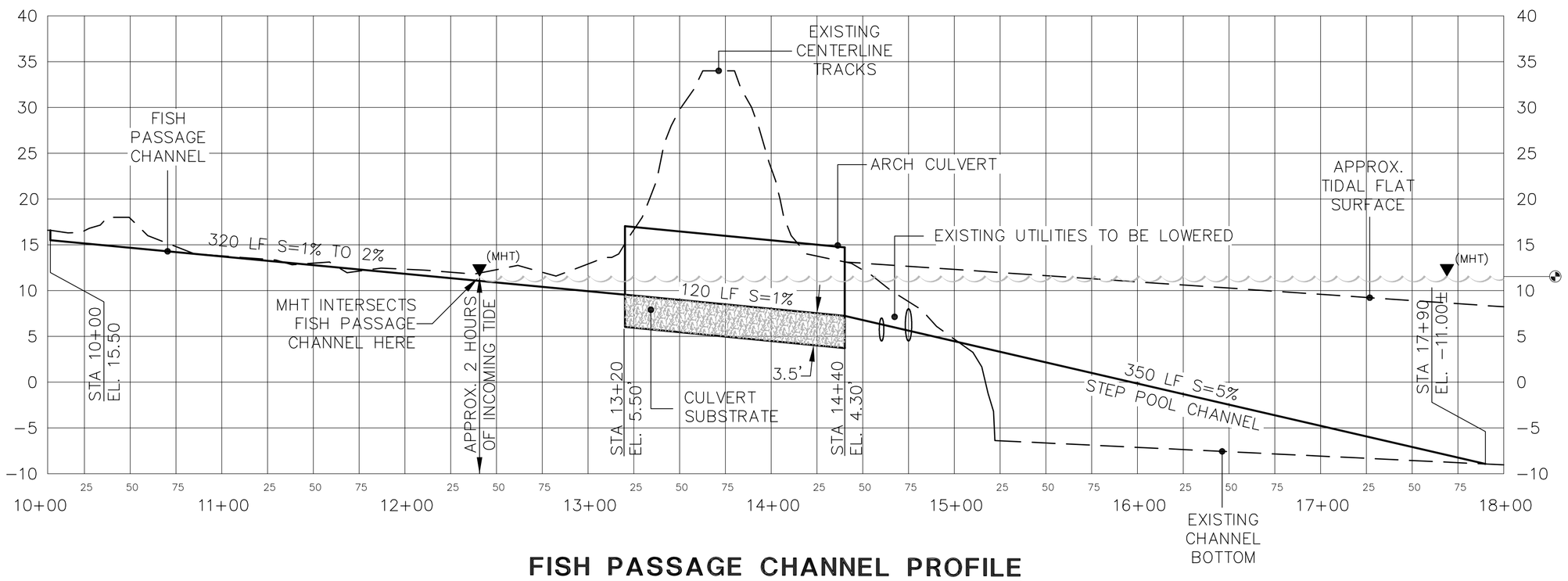

NOTE:
11.54' MOA = 28.80' Tidal = MEAN HIGH TIDE (MHT)

FISH PASSAGE CHANNEL PROFILE

HORIZONTAL SCALE
0 50 100 Feet
0 10 20 Feet
VERTICAL SCALE

ALTERNATIVE 3
PRELIMINARY DESIGN INFORMATION

- LAGOON OUTLET INVERT ELEVATION 15.5'
- FISH PASSAGE CHANNEL SLOPE 1% – 2% (ASSUME 1.95% SLOPE)
- 16.5' x 11.0' ARCH FISH PASSAGE CULVERT 120' LF ±
  - INLET INVERT 5.50'
  - OUTLET INVERT 4.30'
  - CULVERT INVERT BURIAL DEPTH 3.5'
- 5% STEP POOL

MOA - NOAA TIDAL CONVERSION

Conversion between MOA elevation datum with NGS 1972 adjustment and NOAA 1999 MLLW datum:

MOA 1972 = NOAA 1999 MLLW minus 17.26'

The tidal elevations given above are relative to MOA 1972 datum and are based upon NOAA 11/03/1999 data for Anchorage, Alaska Station ID 9455920. The elevation of Bench Mark "Tidal 16 1966" was used for the conversion:

Elevation 40.49' (NOAA 1999 MLLW datum) = Elevation 23.23' (MOA 1972 datum)

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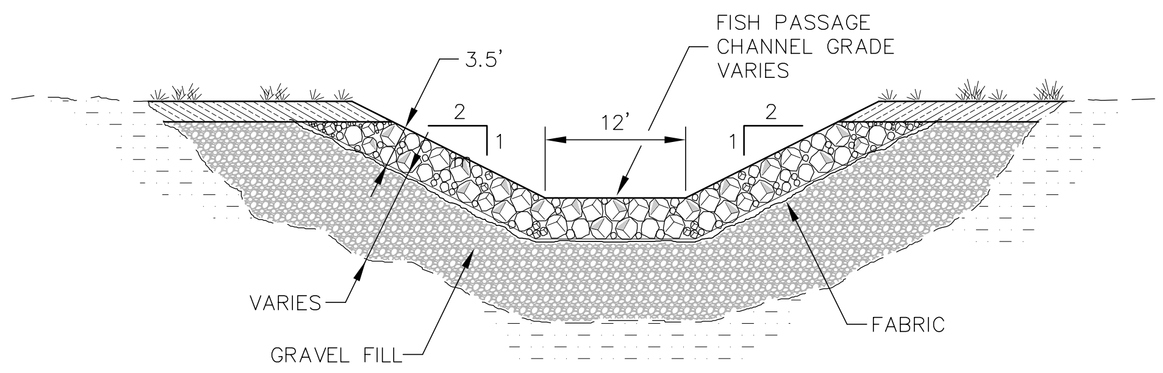
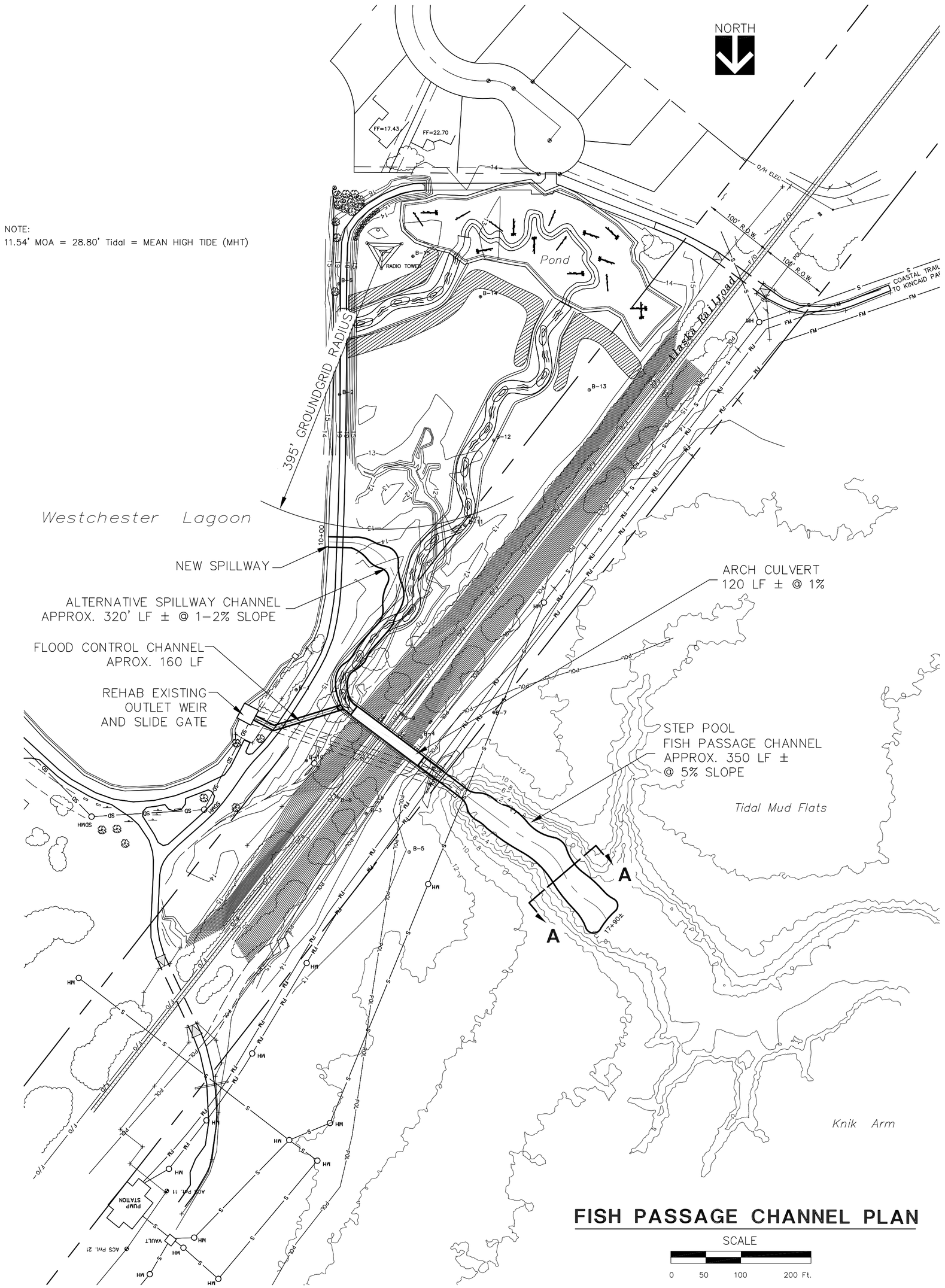


TYPICAL SECTION A-A

NOT TO SCALE



FISH PASSAGE CHANNEL PLAN

SCALE
0 50 100 200 Ft.

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

FIELD BOOKS	TBM NO.	LOCATION	ELEV.
DESIGN			
STAKING			
ASBUILT			
CONTRACTOR	BASIS OF DATUM: MOA, NGS 1972 ADJUSTMENT		
INSPECTOR	MOA BM: D 75, EL.= 53.94 Ft.		
CONSTRUCTION RECORD	VERTICAL DATUM		

DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY
BASE			TELEPHONE		
TOPOGRAPHY			ELECTRIC		
PROFILE			CABLE TV		
SANITARY SEWER			DESIGN		
STORM SEWER			QUANTITIES		
WATER			MUN. FINAL CHECK		
GAS					
PLAN CHECK					

REV	DATE	DESCRIPTION	BY
REVISIONS			

STATE OF ALASKA 49TH XXXXXXX No. CE-XXXX REGISTERED PROFESSIONAL ENGINEER

HDR Alaska, Inc.

PM&E

ANCHORAGE ALASKA MUNICIPALITY OF ANCHORAGE

CHESTER CREEK ECOSYSTEM RESTORATION

DEPARTMENT OF PUBLIC WORKS
OFFICE OF THE MUNICIPAL ENGINEER

CHESTER CREEK ECOSYSTEM RESTORATION
WESTCHESTER LAGOON IMPROVEMENTS

ALTERNATIVE 3
CONCEPTUAL LAYOUT PLAN & PROFILE

SCALE: H: AS SHOWN V: AS SHOWN	DATE: FEB. 28, 2007	GRID: 1428	SHEET 2 of 2
	ACCT. NO.		

User: THEYWORT Feb 27, 2007 - 5:09pm
Drawing: Z:\01\S STEPHL ENGINEERS\SA28 CHESTER CREEK ECOSYSTEM RESTORATION\CAD\CONCEPT LEVEL\WCL-ALT 3.DWG - Layout: LAYOUT1
Xrefs: WCL-BASE.DWG CRW-UTILITIES.DWG WCL-PROPERTY.DWG INTERFLUVE-302.DWG - Images: BRIDGE.TIF CREEK.TIF SHORE.TIF