



NOTES:

1. REFER TO CDID#1 SPECIAL PROVISIONS FOR ADDITIONAL DETAILS AND DIMENSIONS BASED ON SPECIFIC LEVEE STATIONING AT YOUR PROJECT LOCATION.
2. REFER TO THE FOLLOWING REFERENCE DOCUMENTS FOR ADDITIONAL LEVEE DETAILS:
 - USACE DRAWING NO. CL-05-16 / 13 - PROPOSED LEVEE IMPROVEMENTS (SHEET 1) - PLAN AND SECTION VIEWS
 - USACE DRAWING NO. CL-05-16 / 14 - PROPOSED LEVEE IMPROVEMENTS (SHEET 2) - PROFILE VIEW
 - USACE DRAWING NO. CLW-64-8 / 1 - GRAVEL SEEPAGE BLANKETS ALONG LANDWARD SLOPE
 - USACE DRAWING NO. CLW-64-9 / 1 - IMPERVIOUS SEEPAGE BLANKETS ALONG RIVERWARD SLOPE
 - USACE DRAWING NO. CLW-64-2 / 6 - STONE REVETMENT ALONG RIVERWARD TOE
 - USACE REGULATION NO. PDR 1130-2-5 - MINIMUM LEVEE SECTION AND ZONE RESTRICTIONS
3. VERTICAL DATUMS VARY AMONGST THE REFERENCE DOCUMENTS. IN ORDER TO BE MEANINGFUL, ALL ELEVATIONS MUST BE CONVERTED TO NAVD 88.
 - M.S.L. = MEAN SEA LEVEL (TIDAL DATUM)
 - NGVD 29 = NATIONAL GEODETIC VERTICAL DATUM OF 1929 (HELD M.S.L. FIXED ON BOTH COASTS DESPITE ACTUAL DIFFERENCE OF ABOUT 4.5')
 - 1947 ADJ = RAISED BENCHMARK ELEVATIONS IN COWLITZ COUNTY BY 0.40'. ADJUSTED ELEVATIONS ARE STILL ON NGVD 29.
 - NAVD 88 = NORTH AMERICAN VERTICAL DATUM OF 1988 (CURRENT DATUM WHICH REFLECTS A TRUE "EQUIPOTENTIAL SURFACE" AND GIVES BETTER RESULTS WHEN USED WITH GPS). CONVERSION: NAVD 88 = NGVD 29 + 2.920'.
3. HORIZONTAL DATUMS VARY AMONGST THE REFERENCE DOCUMENTS. IN ORDER TO BE MEANINGFUL, ALL STATIONING MUST BE CONSISTENT.
 - ALL STATIONING IS APPROXIMATE.
 - ENGINEERING STATION - BASED ON GIBBS & OLSON SURVEYS 1986 TO 2018; STARTS IN THE MIDDLE OF THE LEVEE AND GOES IN BOTH DIRECTIONS EAST / WEST.
 - USACE STATION - STARTS AT THE COAL CREEK SLOUGH AND GOES TO THE END OF THE COWLITZ RIVER LEVEE.
 - CDID#1 FLOOD FIGHT STATION - STARTS AT THE CDID#1 MAIN PUMP STATION AND GOES TO THE END OF COWLITZ RIVER LEVEE.

1 of 1

C-10

DRAWING NO.

DATE: OCT 2020
 DESIGN: ANB
 DRAWN: ANB

**COWLITZ RIVER
 TYPICAL LEVEE SECTION**

10/2020	new standard	ANB	ANB	ANB	ANB
REV	ISSUE	DWG	DES	CHK	APP

