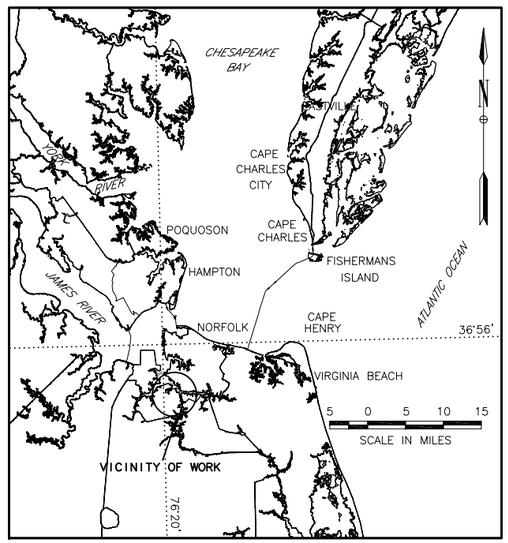
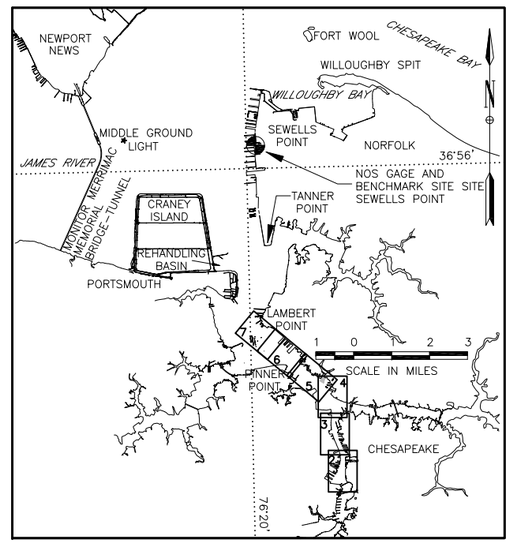
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
MOC-ATLANTIC DREDGE PROJECT
PERMIT DRAWING
NORFOLK, VIRGINIA

– LEGEND –

- TOE OF AUTHORIZED CHANNEL
- NAVY AIRCRAFT CARRIER CORRIDOR
- NATURAL SHORELINE
- MANMADE SHORELINE
- AREA TO BE DREDGED



VICINITY MAP



LOCATION MAP

MEAN LOWER LOW WATER (MLLW), National Tidal Datum Epoch (NTDE) 1983–2001, was determined by the National Ocean Service (NOS) at Sewells Point, Hampton Roads, and was published by NOS on 5 September 2003. MLLW is 1.64 feet below the North American Vertical Datum (NAVD) of 1988. MLLW was transferred to Norfolk Harbor Channel using a tidal zoning plan furnished by NOS.

SOUNDINGS are in feet referred to NOS MLLW. Norfolk Harbor 40ft soundings were taken on 31 October 2012 and NOAA facility area were taken in December 2012.

MEAN RANGE OF TIDE is 2.75 feet at the Portsmouth Naval Shipyard based on NOS observations, NTDE 1983–2001.

COORDINATES are referred to the Virginia State Plane Coordinate System, South Zone, in U.S. survey feet, and are based on the North American Datum of 1983.

PLANIMETRIC FEATURES were developed by stereo–photogrammetric methods from airphotos flown February 2009.

INDEX TO DRAWINGS

SHEET NO.	TITLE
1	TITLE SHEET
2	MAPPING SHEET
3	MAPPING SHEET
4	MAPPING SHEET
5	CROSSECTION SHEET
6	MAPPING SHEET
7	MAPPING SHEET

The information depicted on this map represents the results of surveys made on the date(s) indicated and can only be considered as indicating the general conditions existing at that time.

SIGNATURES AFFIXED BELOW INDICATE OFFICIAL RECOMMENDATION AND APPROVAL OF ALL DRAWINGS IN THIS SET AS INDICATED ON INDEX TO DRAWINGS.

DEPARTMENT OF THE ARMY
NORFOLK DISTRICT, CORPS OF ENGINEERS
NORFOLK, VIRGINIA

REVIEWED: CHIEF, NAVIGATION SUPPORT AND SURVEY SECTION	APPROVED: CHIEF, OPERATIONS BRANCH
SUBMITTED: CHIEF, DESIGN SECTION	APPROVED: CHIEF, WATER RESOURCES DIVISION

US Army Corps of Engineers
Norfolk District

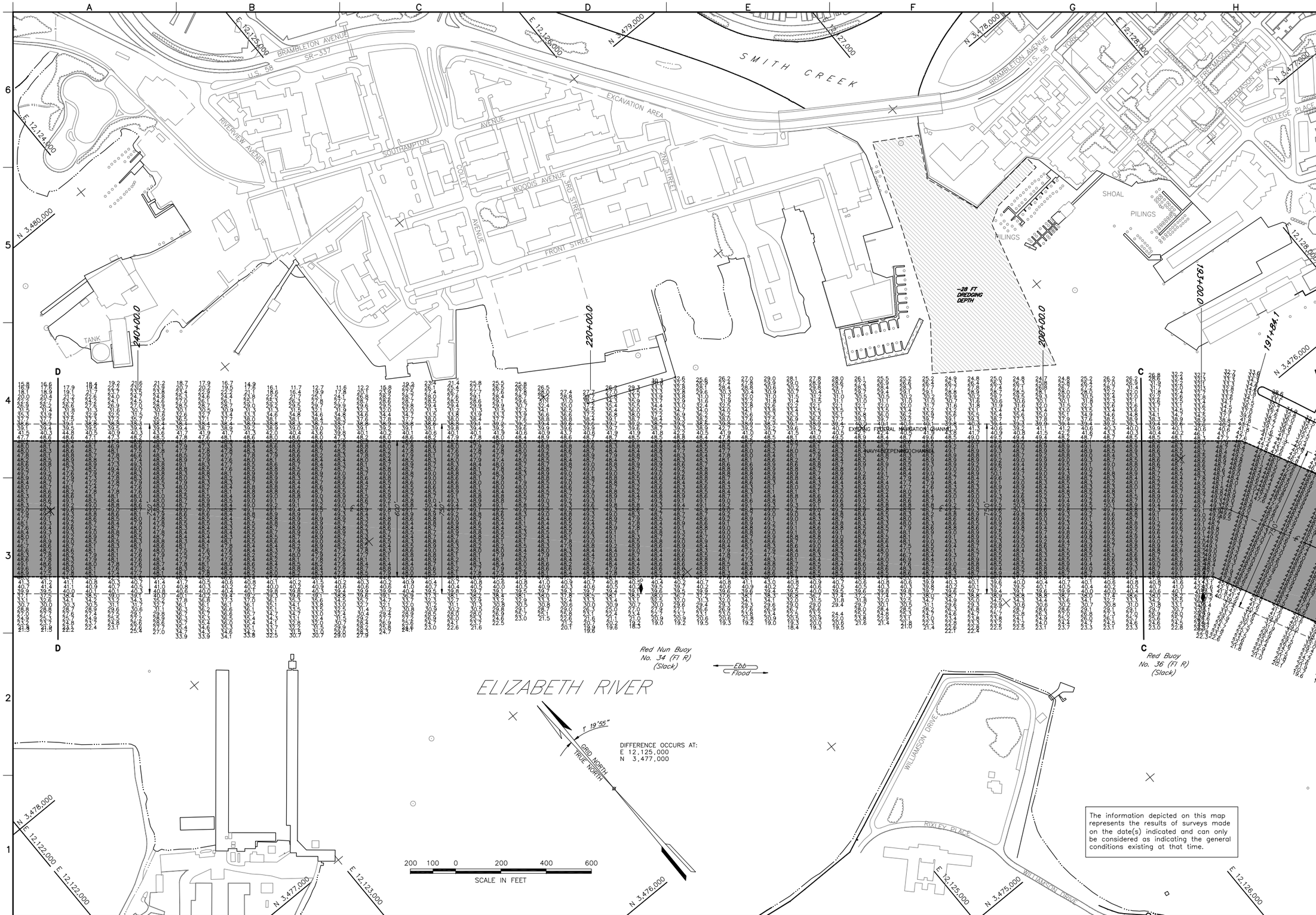
REV.	DATE	DESCRIPTION	BY	APP.

DESIGNED: H.A.F.
CHECKED: D.M.L.
DATE: 10 DEC 13
DRAWN: H.A.F.
SUBMITTED: K.M.M.
SCALE: AS SHOWN
PROJECT NO.:
NORFOLK DISTRICT PROJECT FILE NO.:
DRAWING NO.:
SURVEYED BY: T.H.W.

NORFOLK DISTRICT
CORPS OF ENGINEERS
NORFOLK, VIRGINIA

NOAA
MOC-ATLANTIC DREDGE PROJECT
PERMIT DRAWING
NORFOLK HARBOR, VIRGINIA

SHEET 1 OF 5



US Army Corps of Engineers
Norfolk District

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PERMIT DRAWING
NORFOLK HARBOR, VIRGINIA

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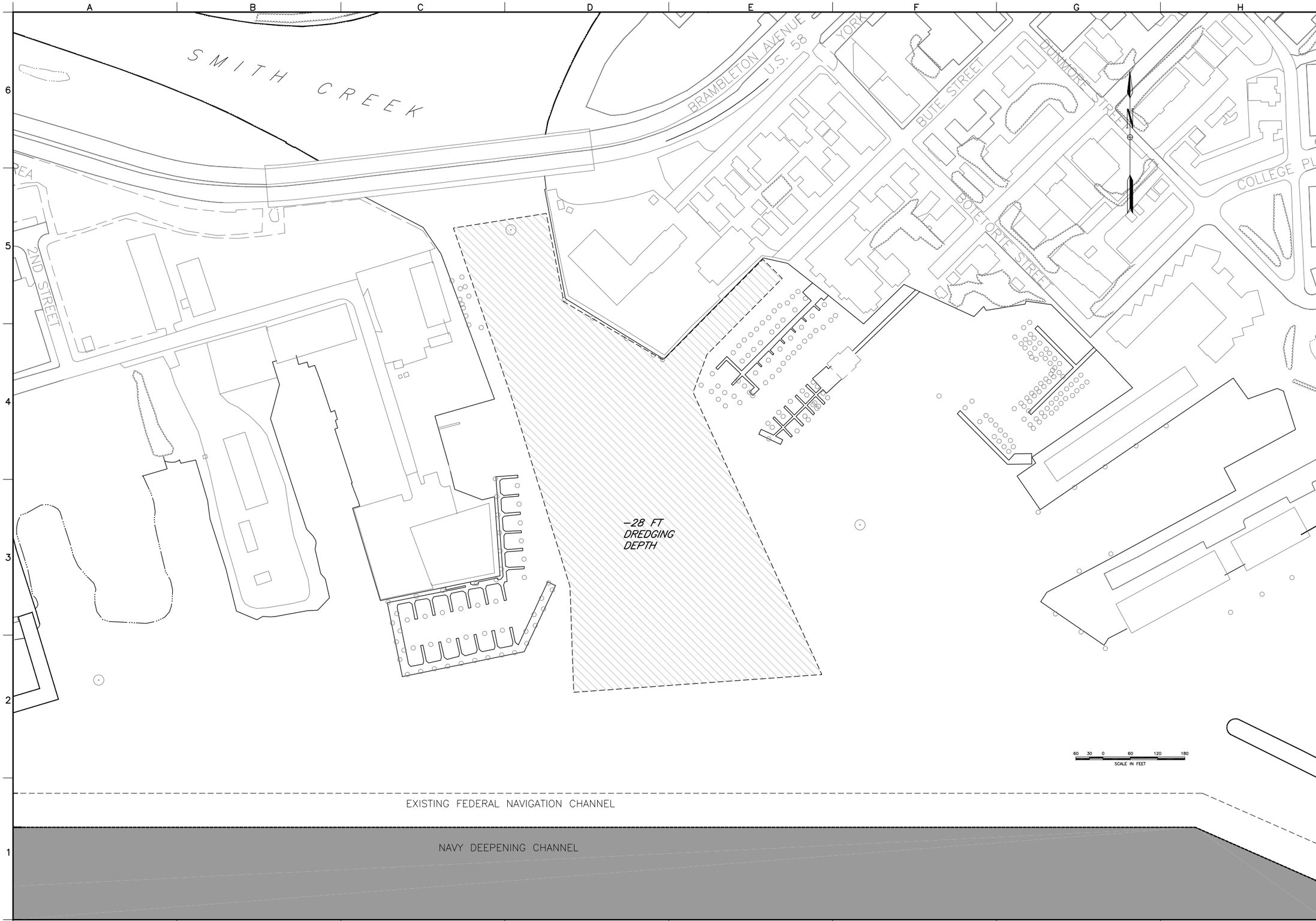
SHEET 2 OF 5



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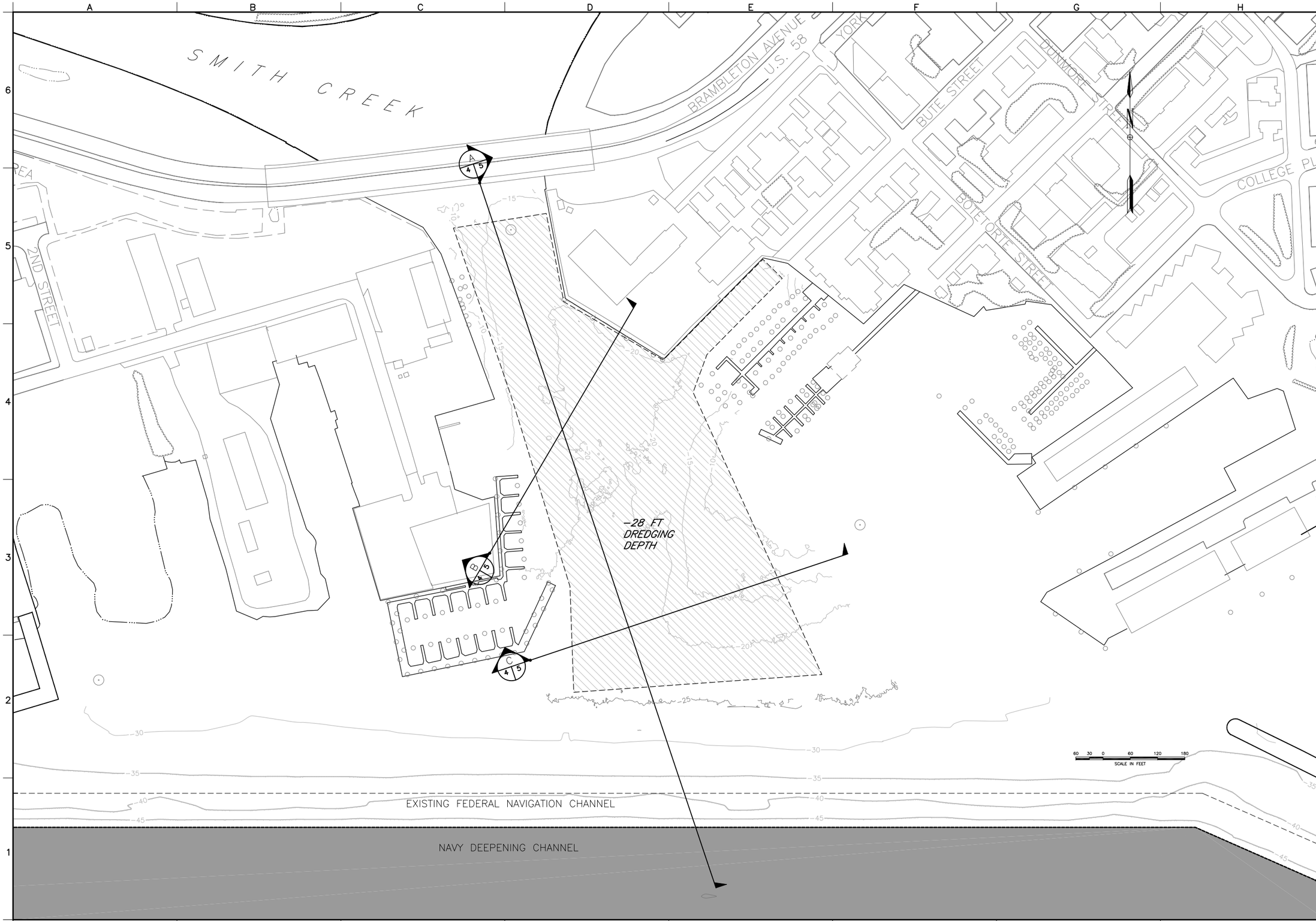
SHEET 3 OF 5



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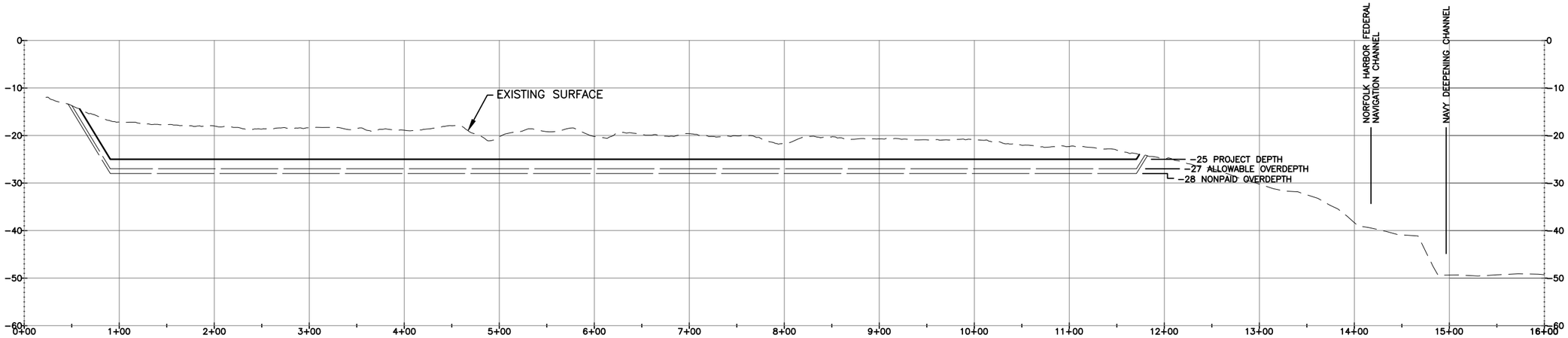
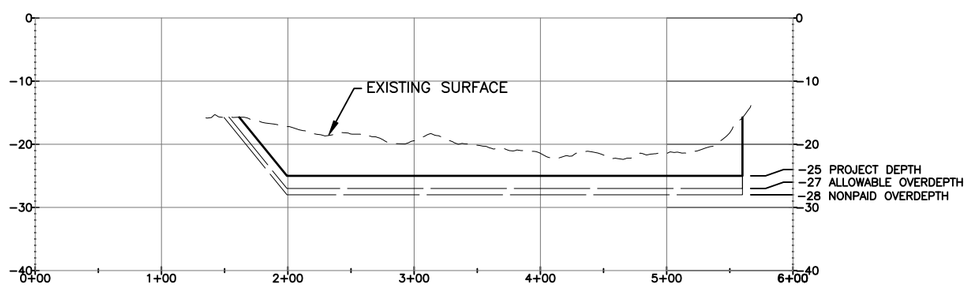
SHEET 4 OF 5



A 4/5 TYPICAL CROSS-SECTION
SCALE: AS SHOWN



B 4/5 TYPICAL CROSS-SECTION
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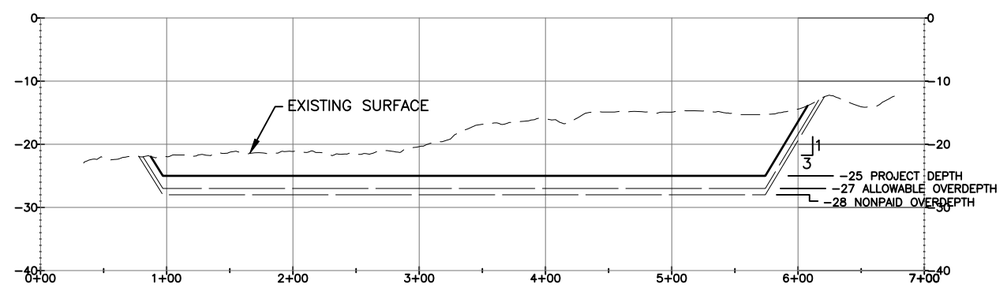
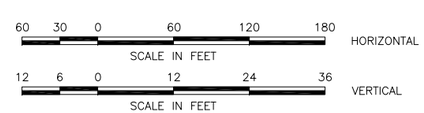


C 4/5 TYPICAL CROSS-SECTION
SCALE: AS SHOWN



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SHEET 5 OF 5