APPENDIX C
CROSS SECTIONS (SHOWING SHORELINE SLOPES, STRUCTURES, AND GEOLOGY)

List of Figures

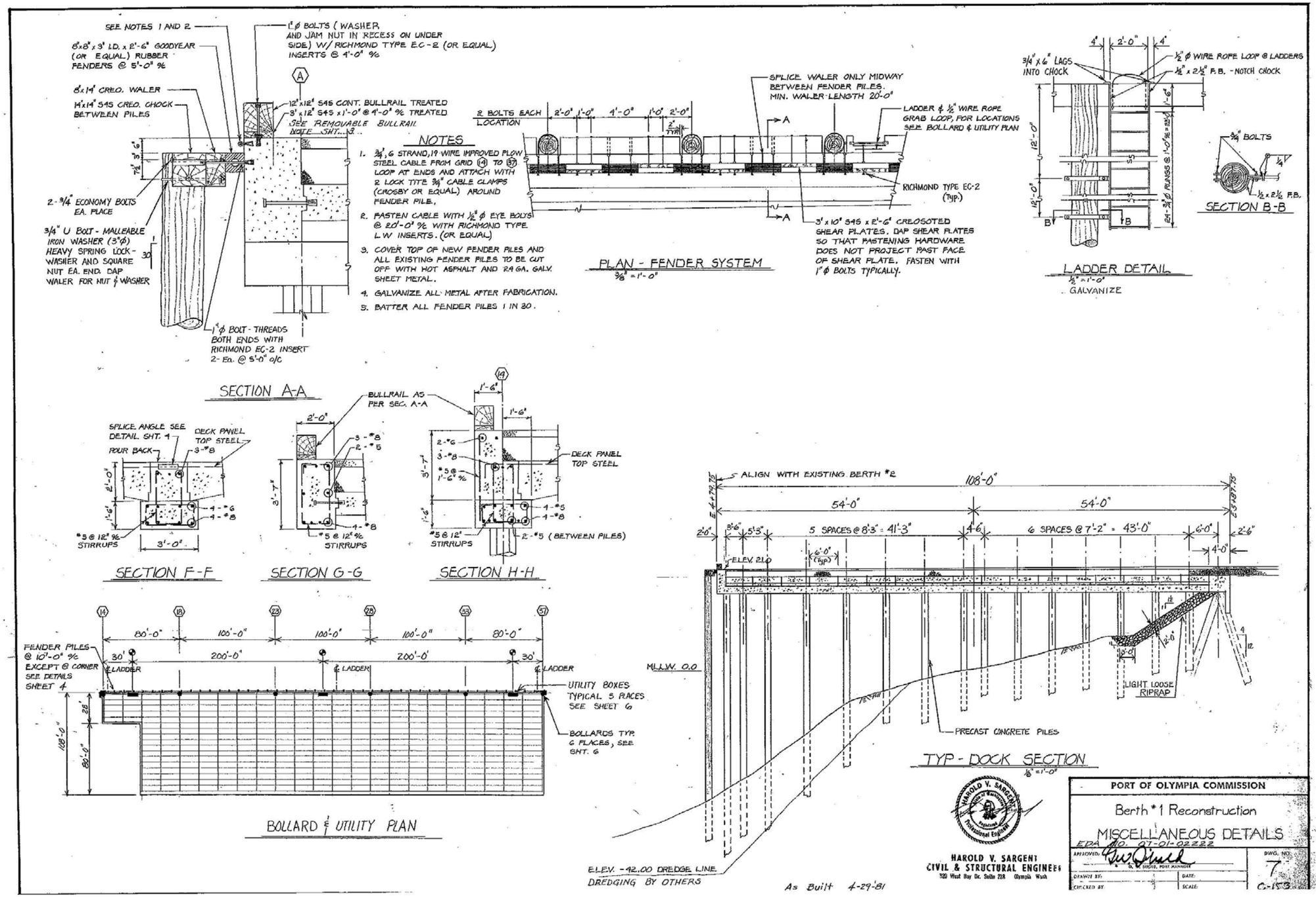

Figure C-1
Berth #1 Reconstruction – Miscellaneous Details
Appendix C – Cross Sections
Draft Existing Information Summary and Data Gaps Memorandum
Port of Olympia Budd Inlet Cleanup Evaluation

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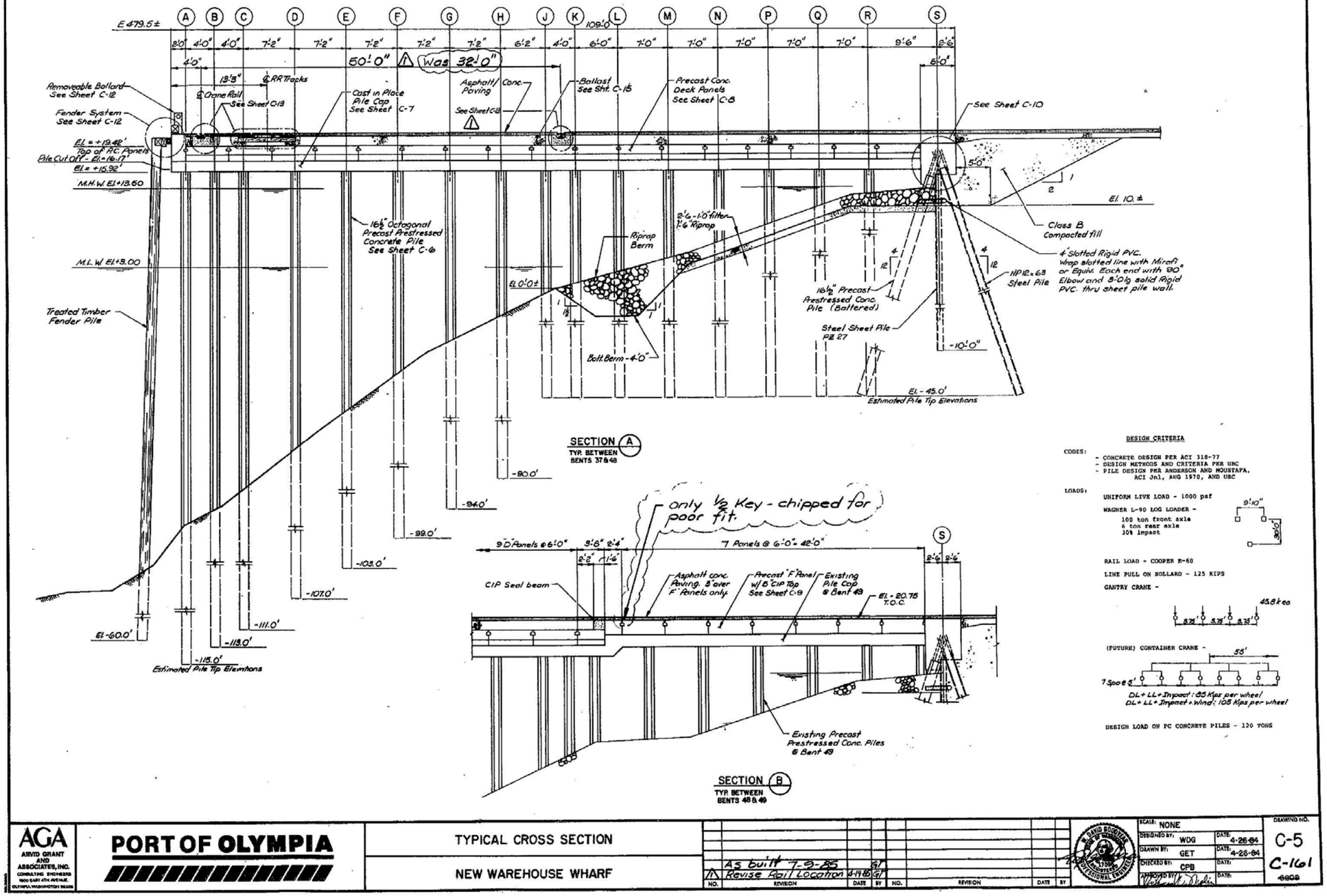

DESIGN CRITERIA

CODES:
- CONCRETE DESIGN PER ACI 318-77
- DESIGN METHODS AND CRITERIA PER UBC
- PILE DESIGN PER ANDERSON AND MOUSTAFA, ACI Jnl, AUG 1970, AND UBC

LOADS:

UNIFORM LIVE LOAD - 1000 psf

WAGNER L-90 LOG LOADER -
100 ton front axle
6 ton rear axle
30% impact

RAIL LOAD - COOPER E-60

LINE PULL ON BOLLARD - 125 KIPS

GANTRY CRANE -

45.8 kips

(FUTURE) CONTAINER CRANE -

7 Spaces @ 55'

DL + LL + Impact: 85 Kips per wheel
DL + LL + Impact + Wind: 105 Kips per wheel

DESIGN LOAD ON PC CONCRETE PILES - 120 TONS

AGA ARVID GRANT AND ASSOCIATES, INC. CONSULTING ENGINEERS 1900 EAST 4TH AVENUE OLYMPIA, WASHINGTON 98506

PORT OF OLYMPIA

TYPICAL CROSS SECTION

NEW WAREHOUSE WHARF

⚠ As built 7-5-85 GT
⚠ Revise Rail Location 4-19-85 GT

SCALE: NONE
DESIGNED BY: WDG DATE: 4-26-84
DRAWN BY: GET DATE: 4-26-84
CHECKED BY: CPB DATE:
APPROVED BY: DATE:

DRAWING NO. C-5
C-161
8808

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Figure C-2
Typical Cross Section – New Warehouse Wharf
Appendix C – Cross Sections
Draft Existing Information Summary and Data Gaps Memorandum
Port of Olympia Budd Inlet Cleanup Evaluation

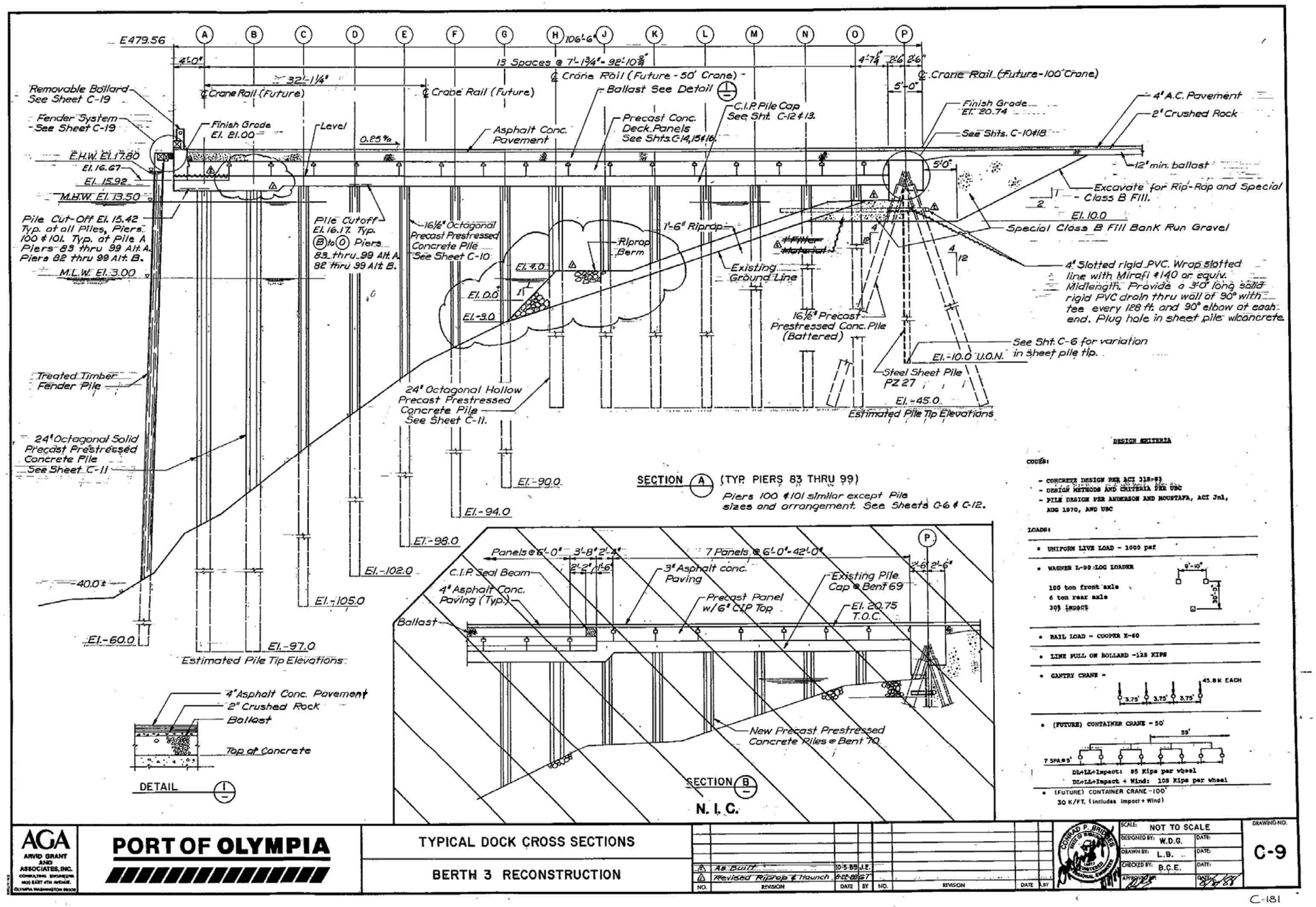

Figure C-3
Typical Cross Section – Berth 3 Reconstruction
Appendix C – Cross Sections
Draft Existing Information Summary and Data Gaps Memorandum
Port of Olympia Budd Inlet Cleanup Evaluation

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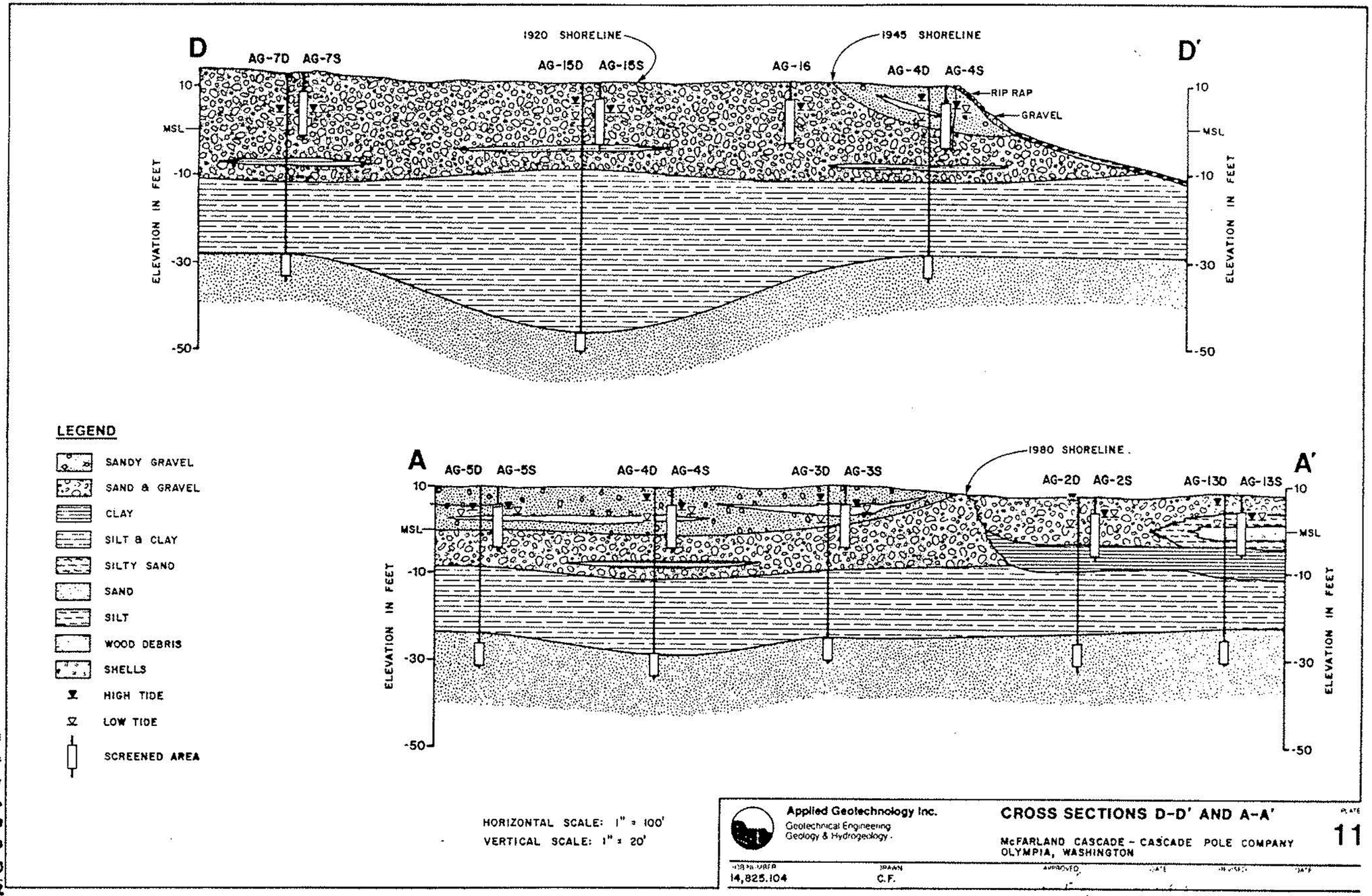
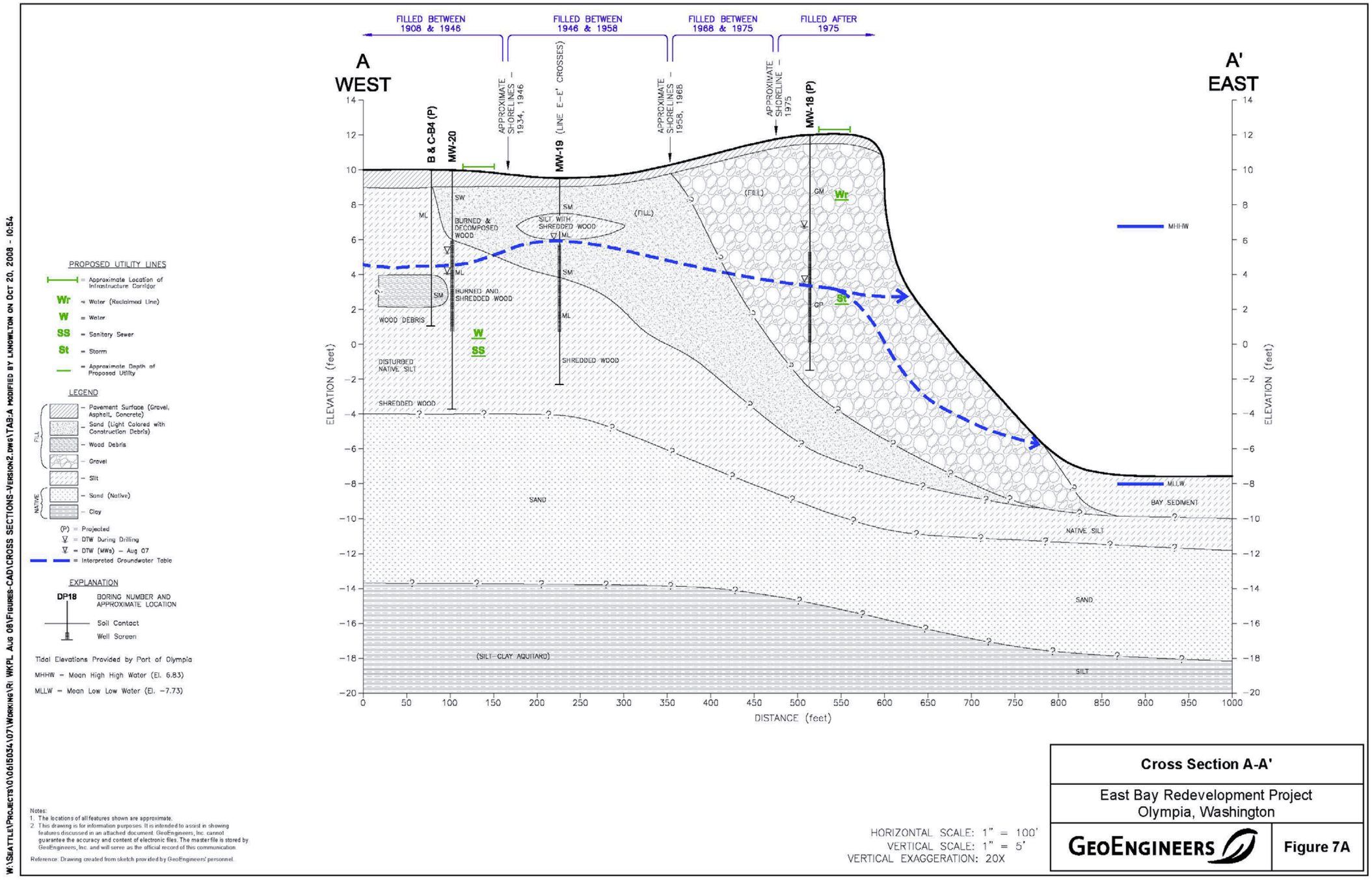


Figure C-4
Representative Cross Section from the Cascade Pole Site
Appendix C – Cross Sections
Draft Existing Information Summary and Data Gaps Memorandum
Port of Olympia Budd Inlet Cleanup Evaluation



PROPOSED UTILITY LINES

- Approximate Location of Infrastructure Corridor
- Wr = Water (Reclaimed Line)
- W = Water
- SS = Sanitary Sewer
- St = Storm
- Approximate Depth of Proposed Utility

LEGEND

FILL
- Pavement Surface (Gravel, Asphalt, Concrete)
- Sand (Light Colored with Construction Debris)
- Wood Debris
- Gravel
- Silt

NATIVE
- Sand (Native)
- Clay

(P) = Projected
▽ = DTW During Drilling
▽ = DTW (MWs) – Aug 07
= Interpreted Groundwater Table

EXPLANATION

DP18 BORING NUMBER AND APPROXIMATE LOCATION

Soil Contact

Well Screen

Tidal Elevations Provided by Port of Olympia

MHHW = Mean High High Water (El. 6.83)

MLLW = Mean Low Low Water (El. −7.73)

Notes:
1. The locations of all features shown are approximate.
2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.

Reference: Drawing created from sketch provided by GeoEngineers' personnel.

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 5'
VERTICAL EXAGGERATION: 20X

Cross Section A-A'

East Bay Redevelopment Project
Olympia, Washington

GeoEngineers | Figure 7A

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Figure C-5
Representative Cross Section from the East Bay Redevelopment Site – North
Appendix C – Cross Sections
Draft Existing Information Summary and Data Gaps Memorandum
Port of Olympia Budd Inlet Cleanup Evaluation

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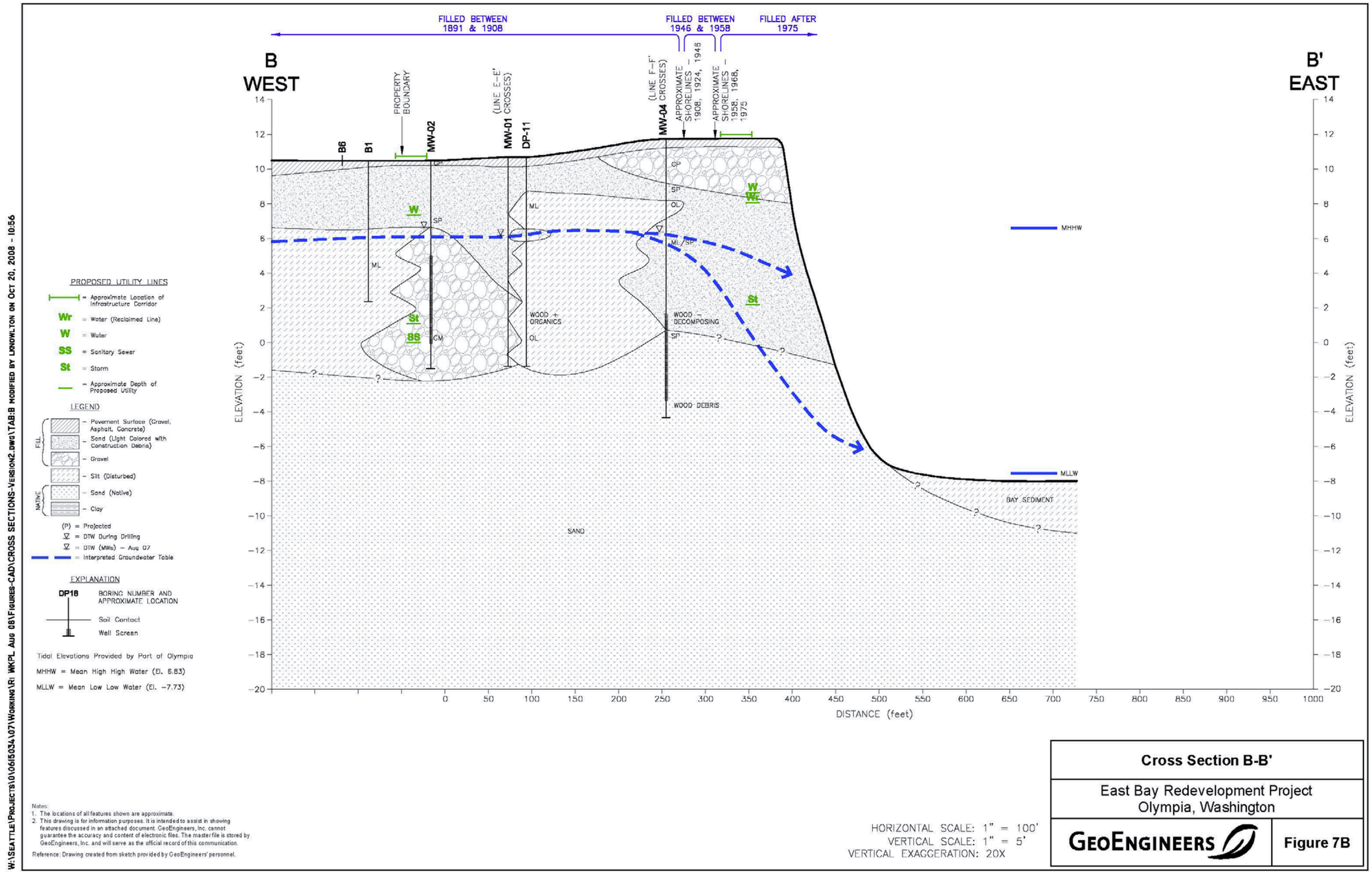

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Notes:
1. The locations of all features shown are approximate.
2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.

Reference: Drawing created from sketch provided by GeoEngineers' personnel.

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 5'
VERTICAL EXAGGERATION: 20X

Cross Section B-B'

East Bay Redevelopment Project
Olympia, Washington

GeoEngineers | Figure 7B

Figure C-6
Representative Cross Section from the East Bay Redevelopment Site – Middle
Appendix C – Cross Sections
Draft Existing Information Summary and Data Gaps Memorandum
Port of Olympia Budd Inlet Cleanup Evaluation

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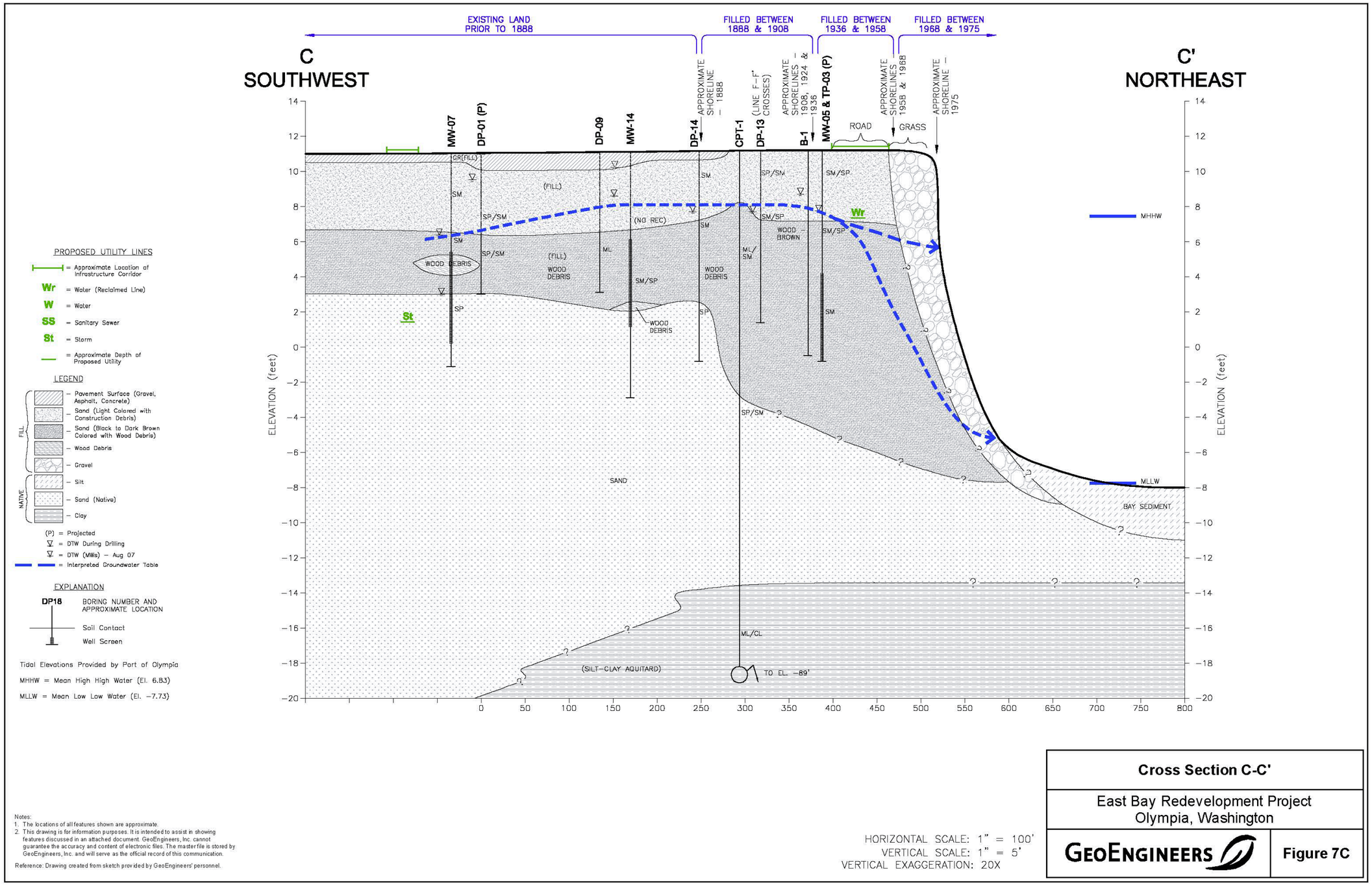

Notes:
1. The locations of all features shown are approximate.
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Reference: Drawing created from sketch provided by GeoEngineers' personnel.

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 5'
VERTICAL EXAGGERATION: 20X

Cross Section C-C'

East Bay Redevelopment Project
Olympia, Washington

GeoEngineers | Figure 7C

ANCHOR QEA

Figure C-7
Representative Cross Section from the East Bay Redevelopment Site – South
Appendix C – Cross Sections
Draft Existing Information Summary and Data Gaps Memorandum
Port of Olympia Budd Inlet Cleanup Evaluation