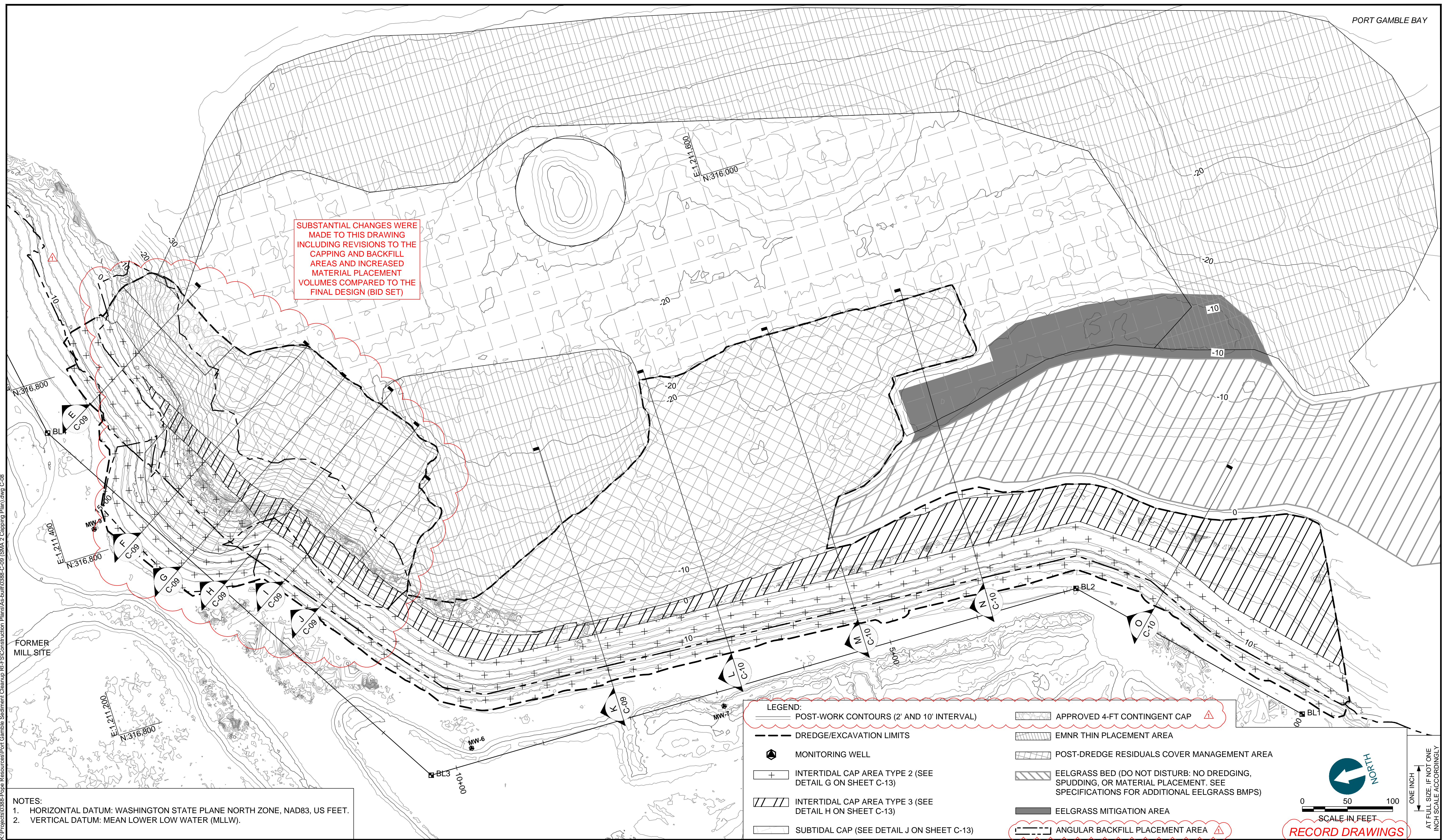


SUBSTANTIAL CHANGES WERE MADE TO THIS DRAWING INCLUDING REVISIONS TO THE CAPPING AND BACKFILL AREAS AND INCREASED MATERIAL PLACEMENT VOLUMES COMPARED TO THE FINAL DESIGN (BID SET)



K:\Projects\0388-Pope Resources\Port Gamble Sediment Cleanup RFP\Construction Plans\As-built\0388-C-08 (SMA-2 Capping Plan) dwg C-08
Jan 04, 2018 9:56am chewert

NOTES:
 1. HORIZONTAL DATUM: WASHINGTON STATE PLANE NORTH ZONE, NAD83, US FEET.
 2. VERTICAL DATUM: MEAN LOWER LOW WATER (MLLW).

LEGEND:

- POST-WORK CONTOURS (2' AND 10' INTERVAL)
- DREDGE/EXCAVATION LIMITS
- MONITORING WELL
- INTERTIDAL CAP AREA TYPE 2 (SEE DETAIL G ON SHEET C-13)
- INTERTIDAL CAP AREA TYPE 3 (SEE DETAIL H ON SHEET C-13)
- SUBTIDAL CAP (SEE DETAIL J ON SHEET C-13)
- APPROVED 4-FT CONTINGENT CAP
- EMNR THIN PLACEMENT AREA
- POST-DREDGE RESIDUALS COVER MANAGEMENT AREA
- EELGRASS BED (DO NOT DISTURB: NO DREDGING, SPUDDING, OR MATERIAL PLACEMENT. SEE SPECIFICATIONS FOR ADDITIONAL EELGRASS BMPS)
- EELGRASS MITIGATION AREA
- ANGULAR BACKFILL PLACEMENT AREA

NORTH
 0 50 100
 SCALE IN FEET
RECORD DRAWINGS



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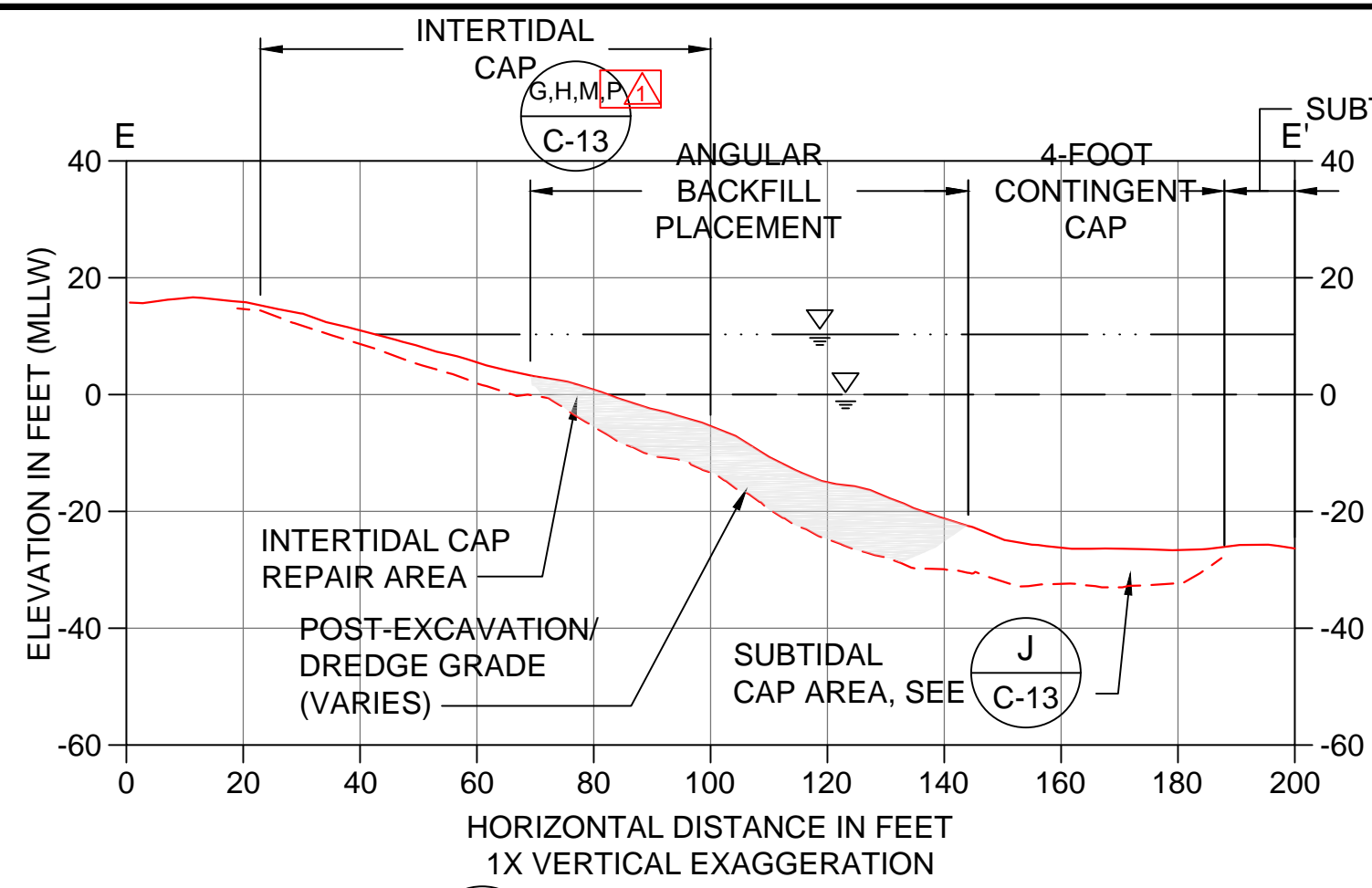
DESIGNED BY: R. PICKERING
 DRAWN BY: C. HEWETT
 CHECKED BY: J. LAPLANTE
 APPROVED BY: J. LAPLANTE
 SCALE: 1" = 50'
 DATE: OCTOBER 2017

**PORT GAMBLE BAY CLEANUP
 RECORD DRAWINGS**

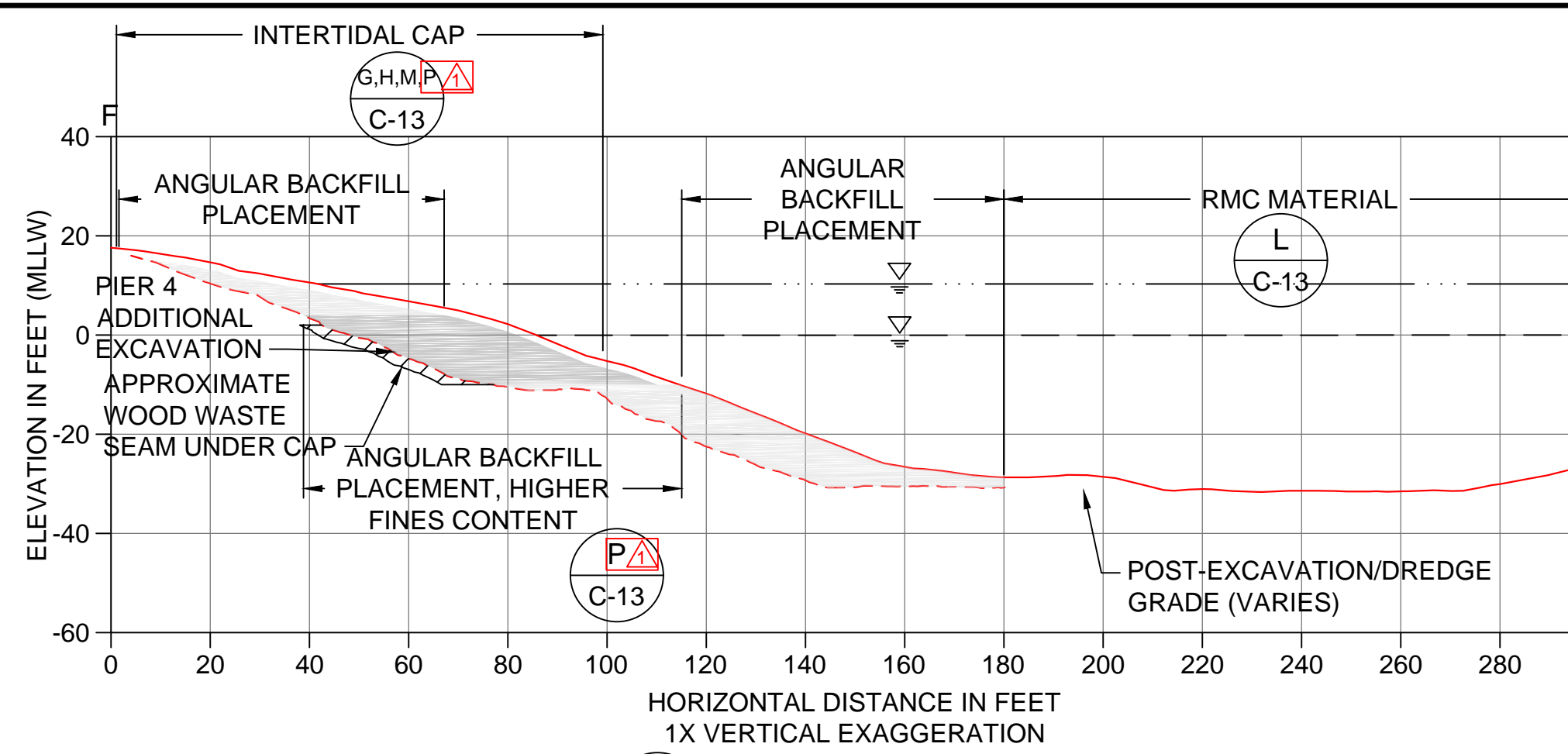
POST-CAPPING CONDITIONS (SMA-2)

C-08

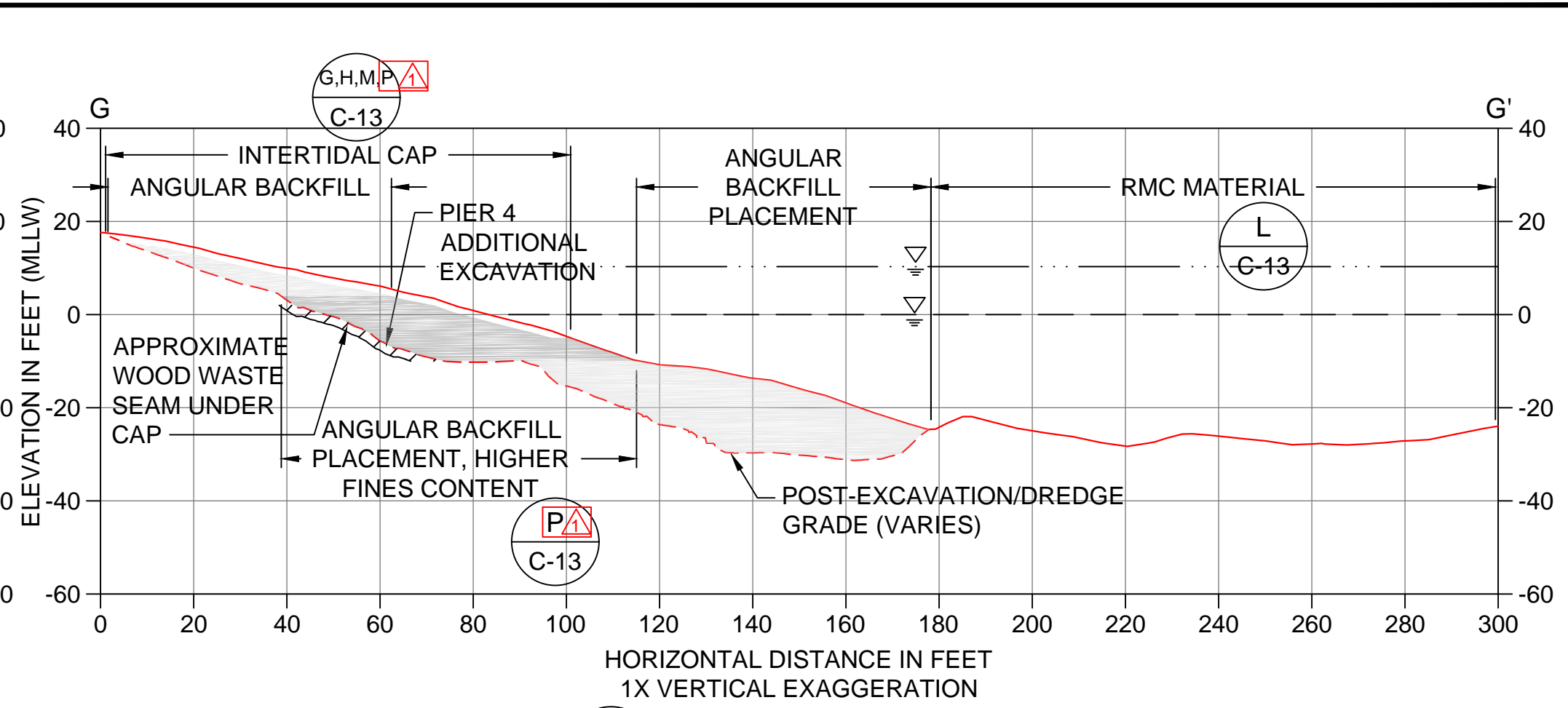
SHEET NO. 18 OF 24



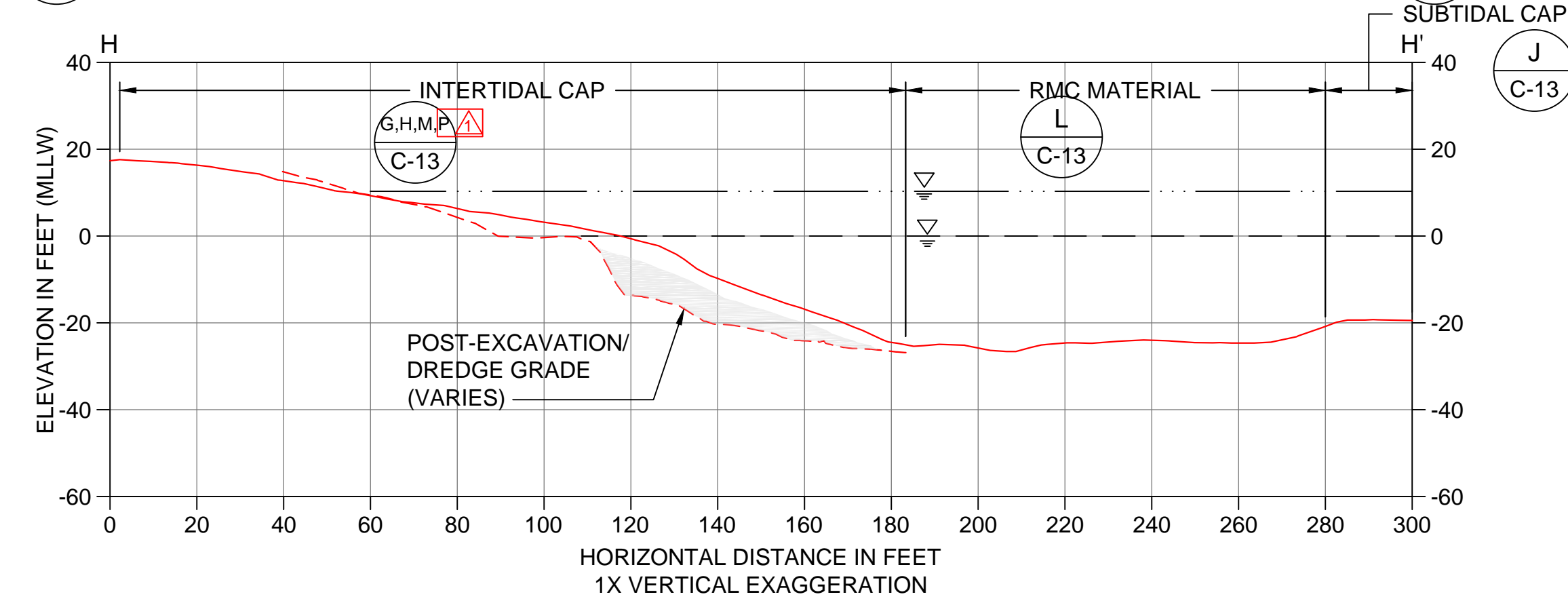
E CAPPING SECTION
C-08 SCALE: 1" = 30'



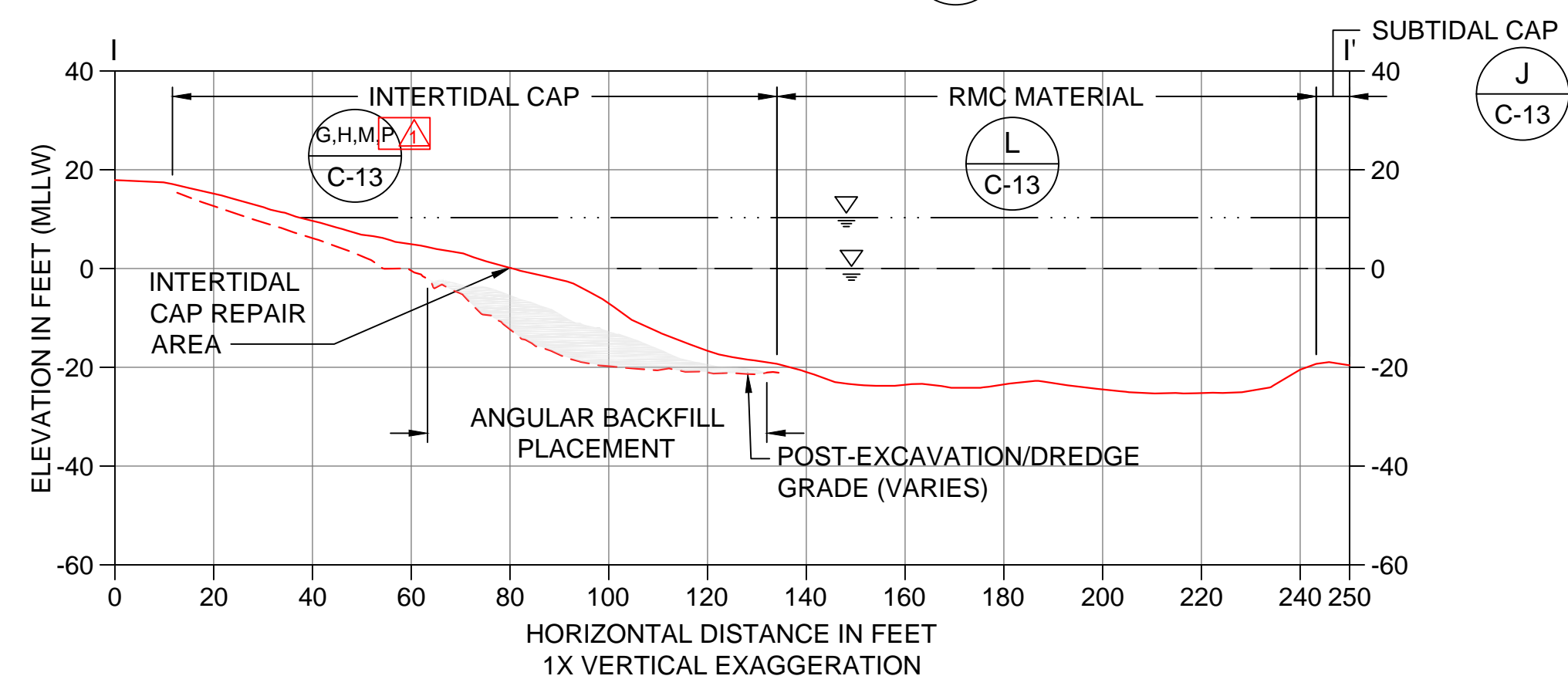
F CAPPING SECTION
C-08 SCALE: 1" = 30'



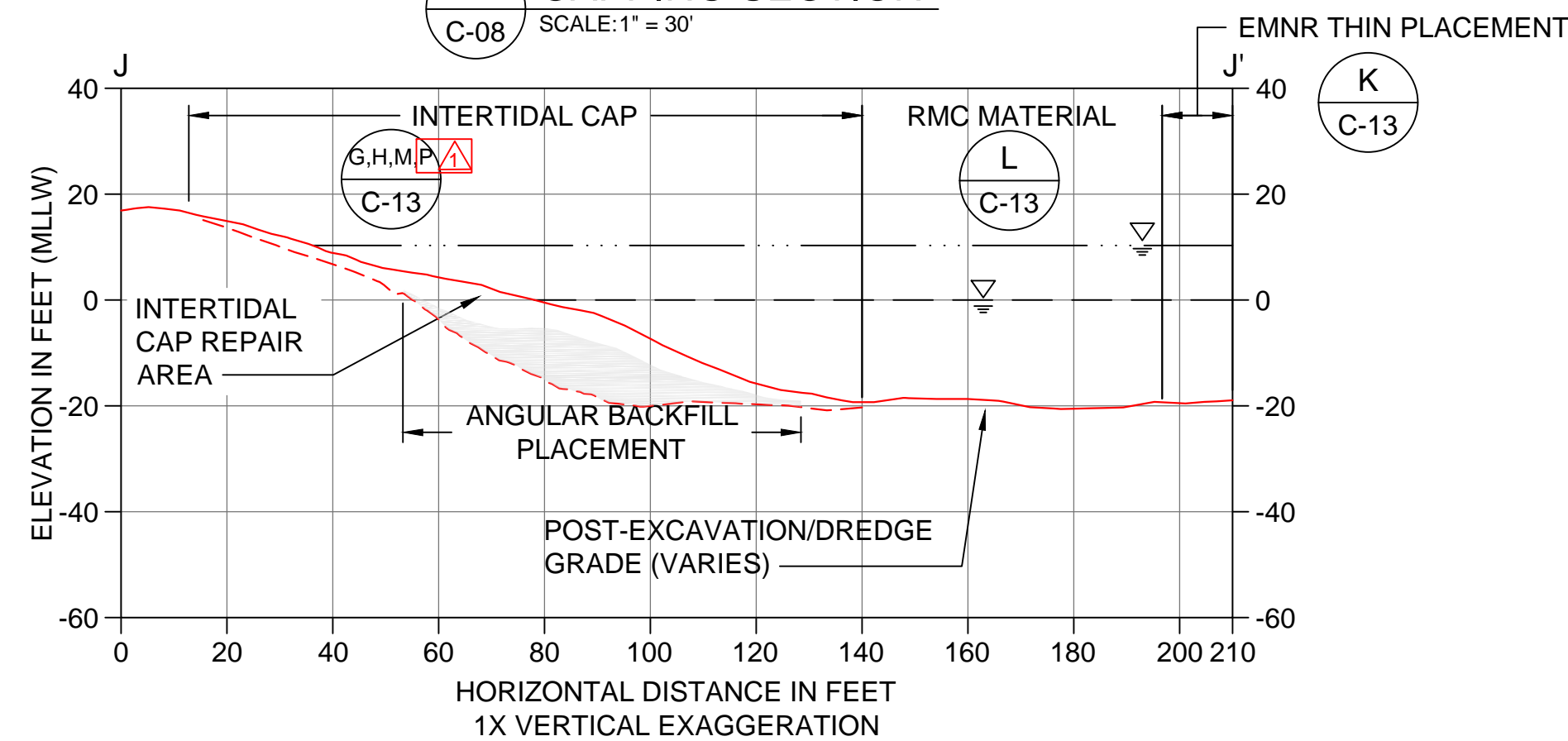
G CAPPING SECTION
C-08 SCALE: 1" = 30'



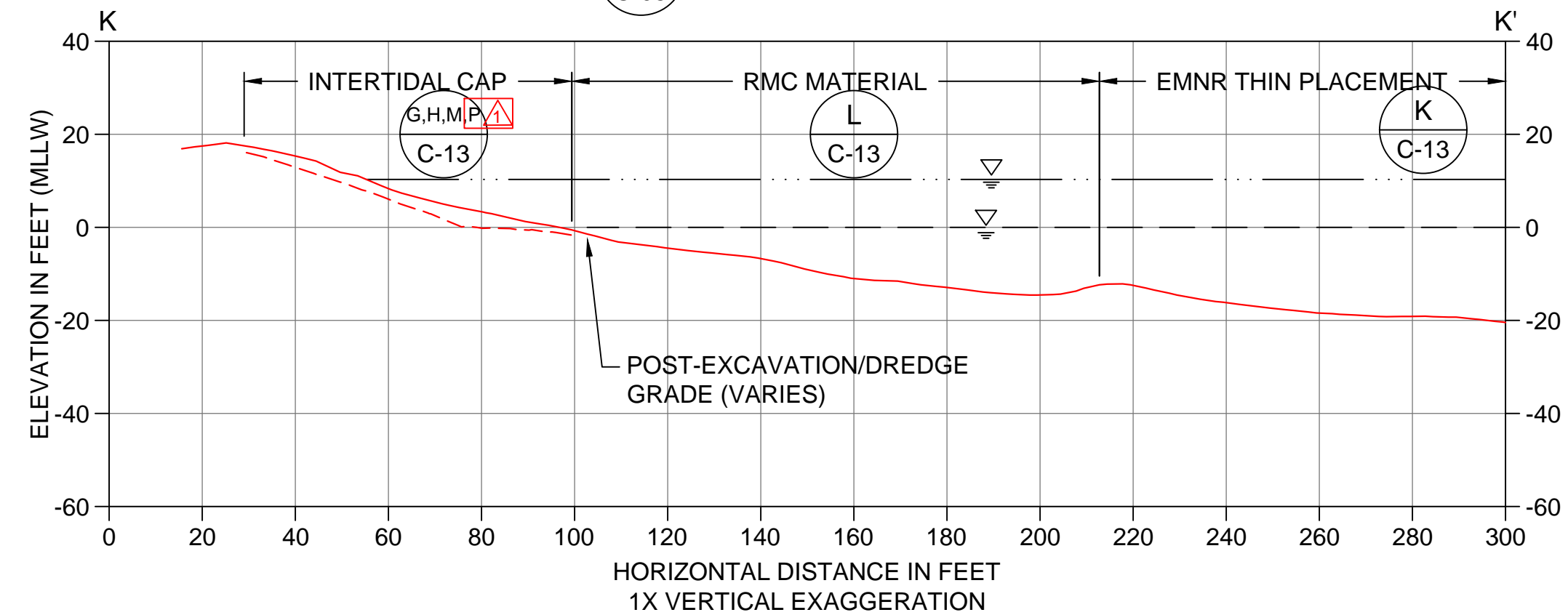
H CAPPING SECTION
C-08 SCALE: 1" = 30'



I CAPPING SECTION
C-08 SCALE: 1" = 30'



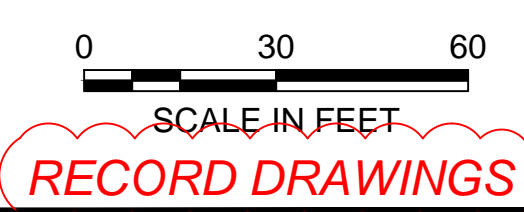
J CAPPING SECTION
C-08 SCALE: 1" = 30'



K CAPPING SECTION
C-08 SCALE: 1" = 30'

SUBSTANTIAL CHANGES WERE MADE TO THIS DRAWING INCLUDING REVISIONS TO THE CAPPING AND BACKFILL AREAS AND INCREASED MATERIAL PLACEMENT VOLUMES COMPARED TO THE FINAL DESIGN (BID SET)

- LEGEND:**
- POST-DREDGE AND -EXCAVATION AS-BUILT SURVEY
 - INTERTIDAL AND SUBTIDAL CAP/RMC AS-BUILT SURVEY
 - MEAN HIGHER HIGH WATER LINE (ELEVATION 10.3' MLLW)
 - MEAN LOWER LOW WATER LINE (ELEVATION 0.0' MLLW)
 - APPROXIMATE WOOD WASTE SEAM UNDER CAP
 - ANGULAR BACKFILL PLACEMENT
 - ANGULAR BACKFILL PLACEMENT (HIGH FINES)



RECORD DRAWINGS



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 APPROVED BY: J. LAPLANTE
 SCALE: 1" = 30'
 DATE: OCTOBER 2017

PORT GAMBLE BAY CLEANUP RECORD DRAWINGS

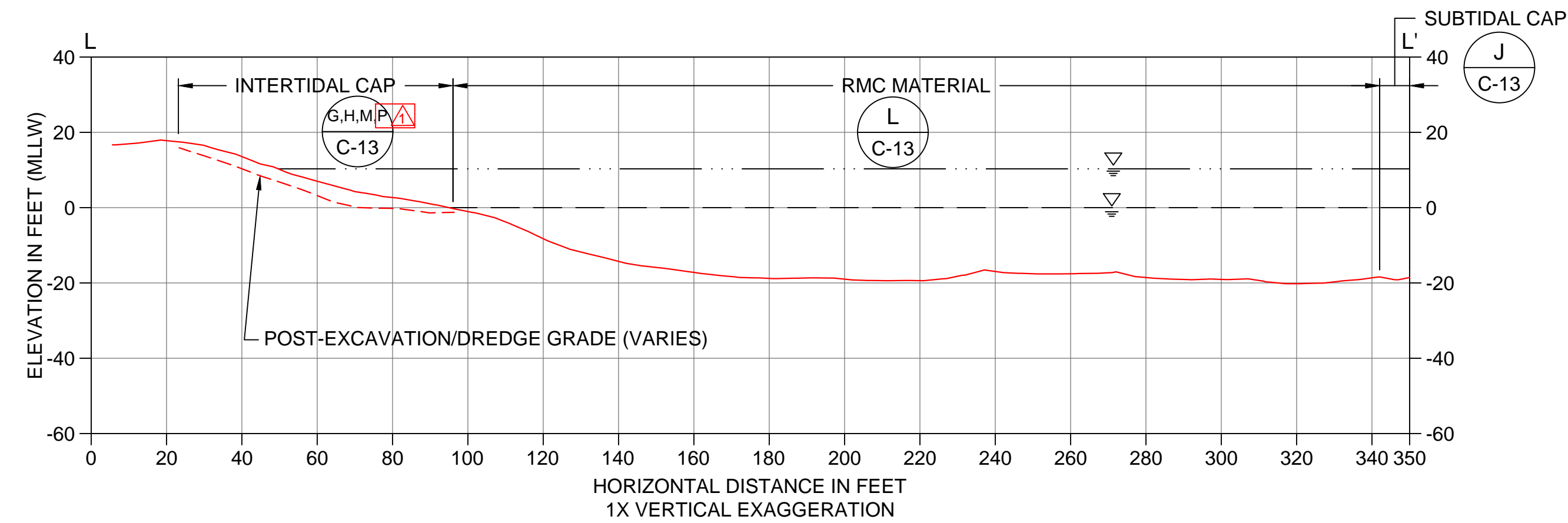
POST-CAPPING CROSS SECTIONS (SMA-2) 1 OF 2

C-09

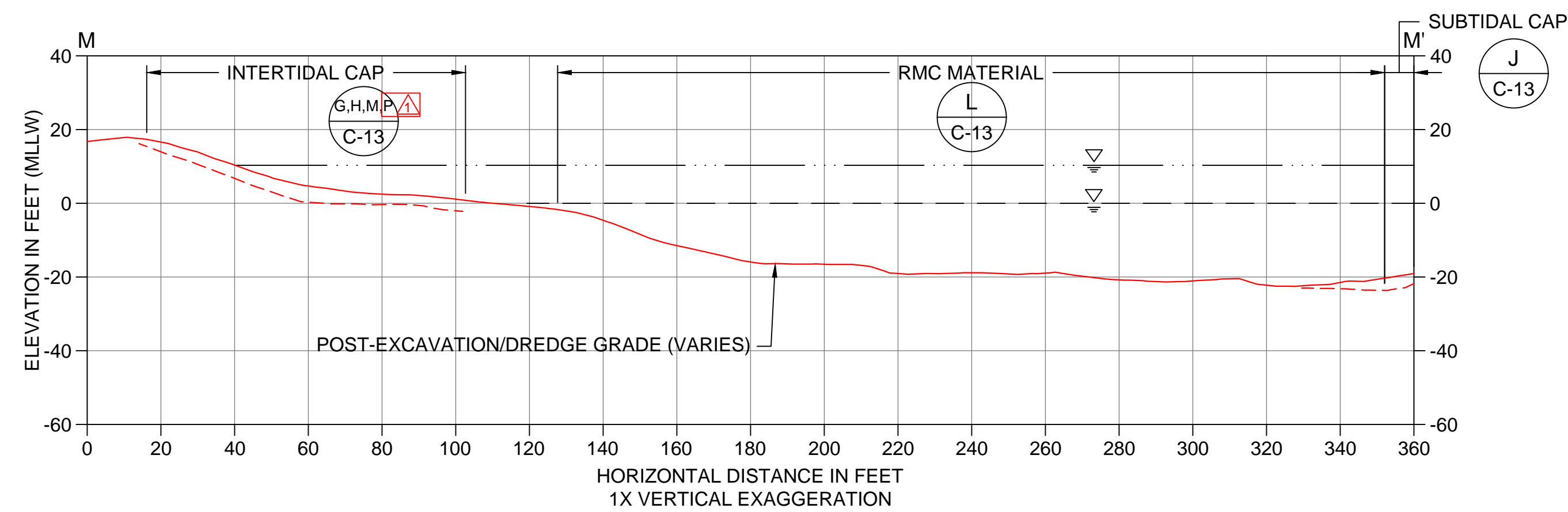
SHEET NO. 19 OF 24

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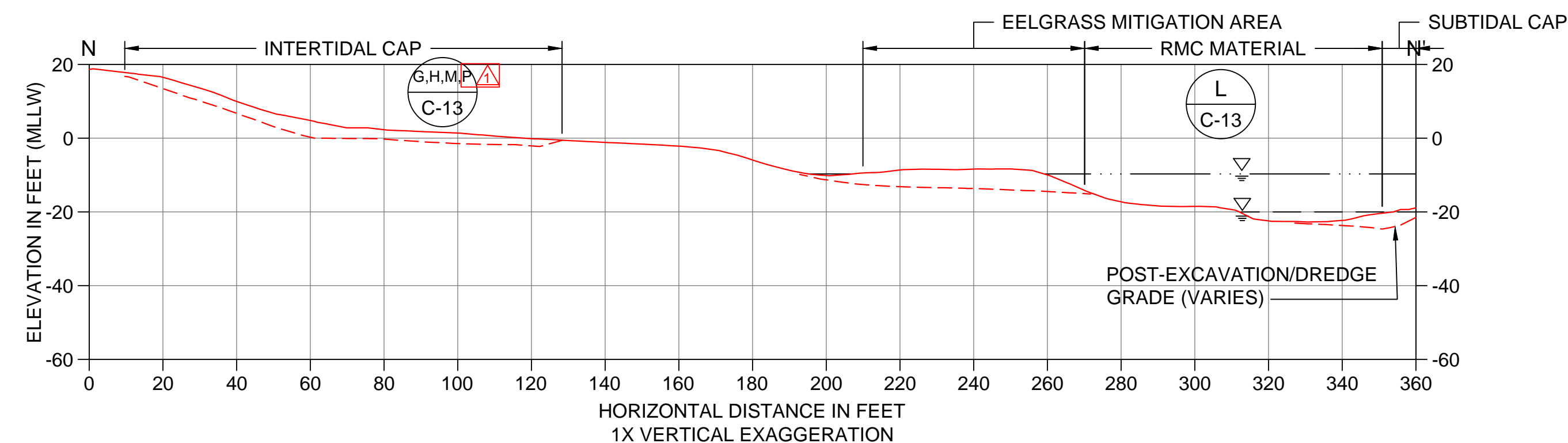
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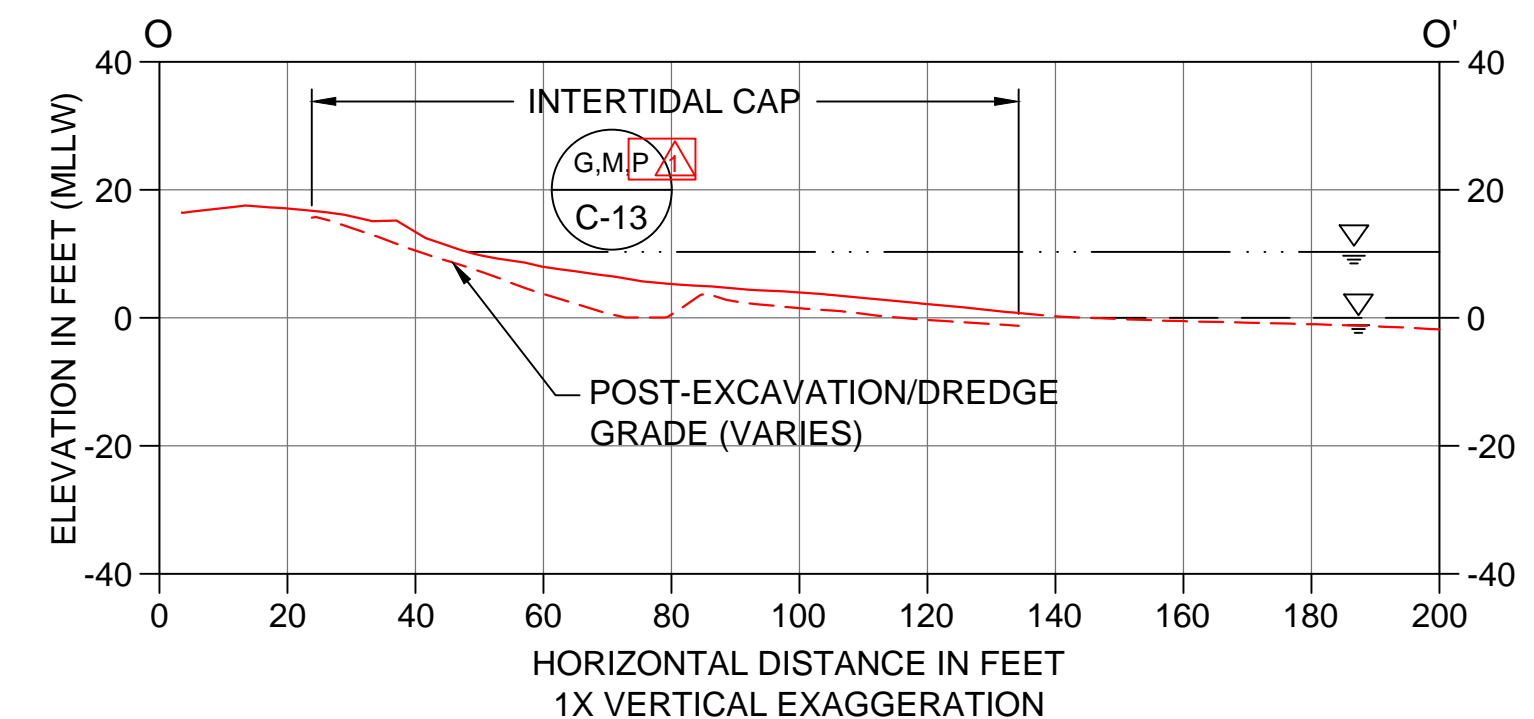
L CAPPING SECTION
C-08 SCALE: 1" = 30'



M CAPPING SECTION
C-08 SCALE: 1" = 30'

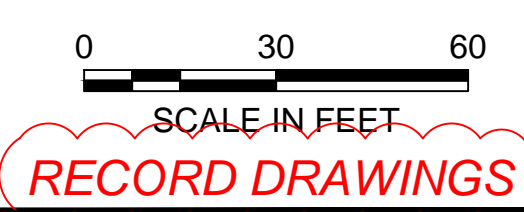


N CAPPING SECTION
C-08 SCALE: 1" = 30'



O CAPPING SECTION
C-08 SCALE: 1" = 30'

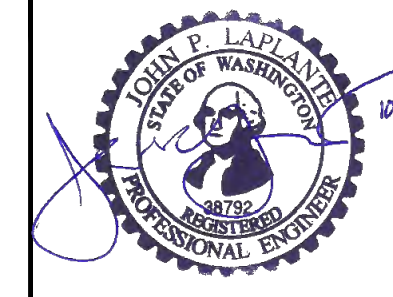
- LEGEND:**
- - - POST-DREDGE AND -EXCAVATION AS-BUILT SURVEY ▲
 - INTERTIDAL AND SUBTIDAL CAP/RMC AS-BUILT SURVEY
 - MEAN HIGHER HIGH WATER LINE (ELEVATION 10.3' MLLW)
 - - - MEAN LOWER LOW WATER LINE (ELEVATION 0.0' MLLW)



RECORD DRAWINGS



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 APPROVED BY: J. LAPLANTE
 SCALE: 1" = 30'
 DATE: OCTOBER 2017

**PORT GAMBLE BAY CLEANUP
 RECORD DRAWINGS**

POST-CAPPING CROSS SECTIONS (SMA-2) 2 OF 2

C-10

SHEET NO. 20 OF 24

CONTROL POINTS		
POINT #	NORTHING	EASTING
300	309781.3	1213751.8
301	308535.6	1213945.5
302	308243.2	1213873.1
303	308051.2	1213641.0
304	307935.9	1212559.5
305	307951.4	1212021.2
306	308171.8	1211967.8
307	308682.4	1212072.9
308	308745.5	1212104.4
309	308784.5	1212163.0
310	308917.3	1212445.6
311	309262.0	1212810.0
312	309835.7	1213125.3
313	310035.7	1213458.2



- NOTES:
- HORIZONTAL DATUM: WASHINGTON STATE PLANE NORTH ZONE, NAD83, US FEET.
 - VERTICAL DATUM: MEAN LOWER LOW WATER (MLLW).

LEGEND:

POST-WORK CONTOURS (2 AND 10' INTERVAL) ▲
 SEDIMENT MANAGEMENT AREA
 EMNR THIN PLACEMENT AREA (SEE DETAIL K ON SHEET C-14)
 CONTROL POINT

NORTH

 SCALE IN FEET
 0 150 300
RECORD DRAWINGS

ONE INCH
 AT FULL SIZE, IF NOT ONE
 INCH SCALE ACCORDINGLY

K:\Projects\0388-Pope Resources\Port Gamble Sediment Cleanup RFP\Construction Plans\As-Built\0388-C-12 (SMA 3).dwg C-12 Jan 04, 2018 9:57am chewett



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 APPROVED BY: J. LAPLANTE
 SCALE: 1" = 150'
 DATE: OCTOBER 2017

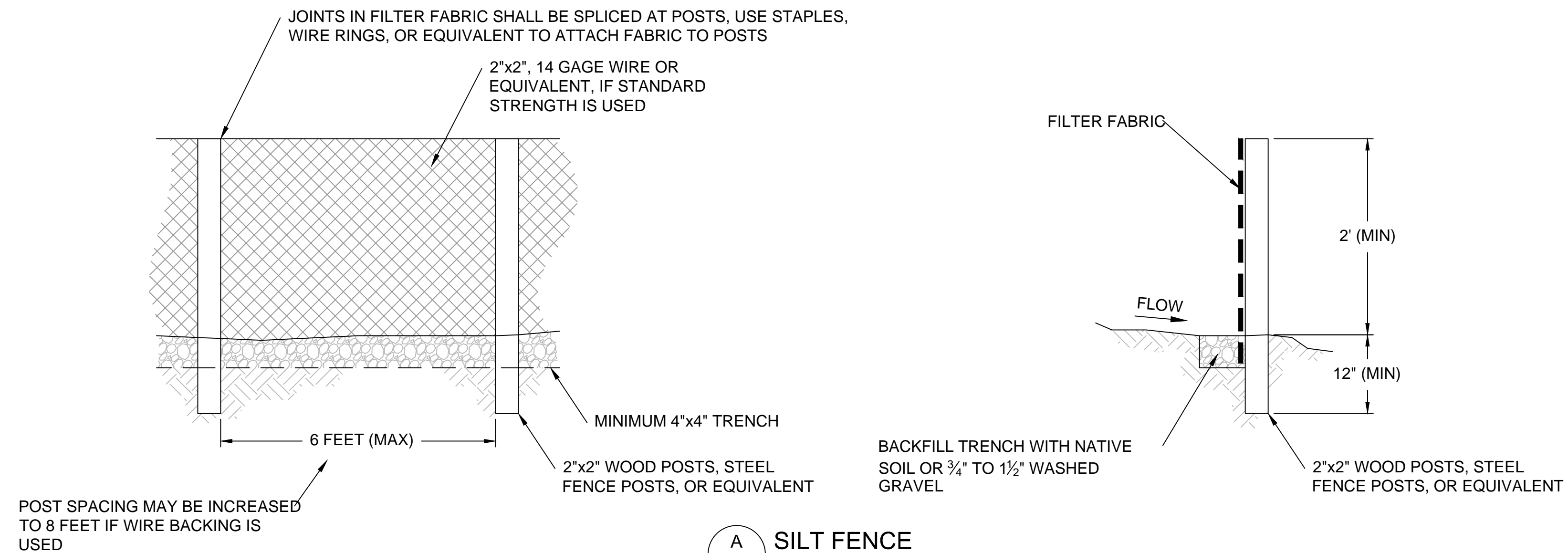
**PORT GAMBLE BAY CLEANUP
RECORD DRAWINGS**

POST-CONSTRUCTION CONDITIONS (SMA-3)

C-11

SHEET NO. 21 OF 24

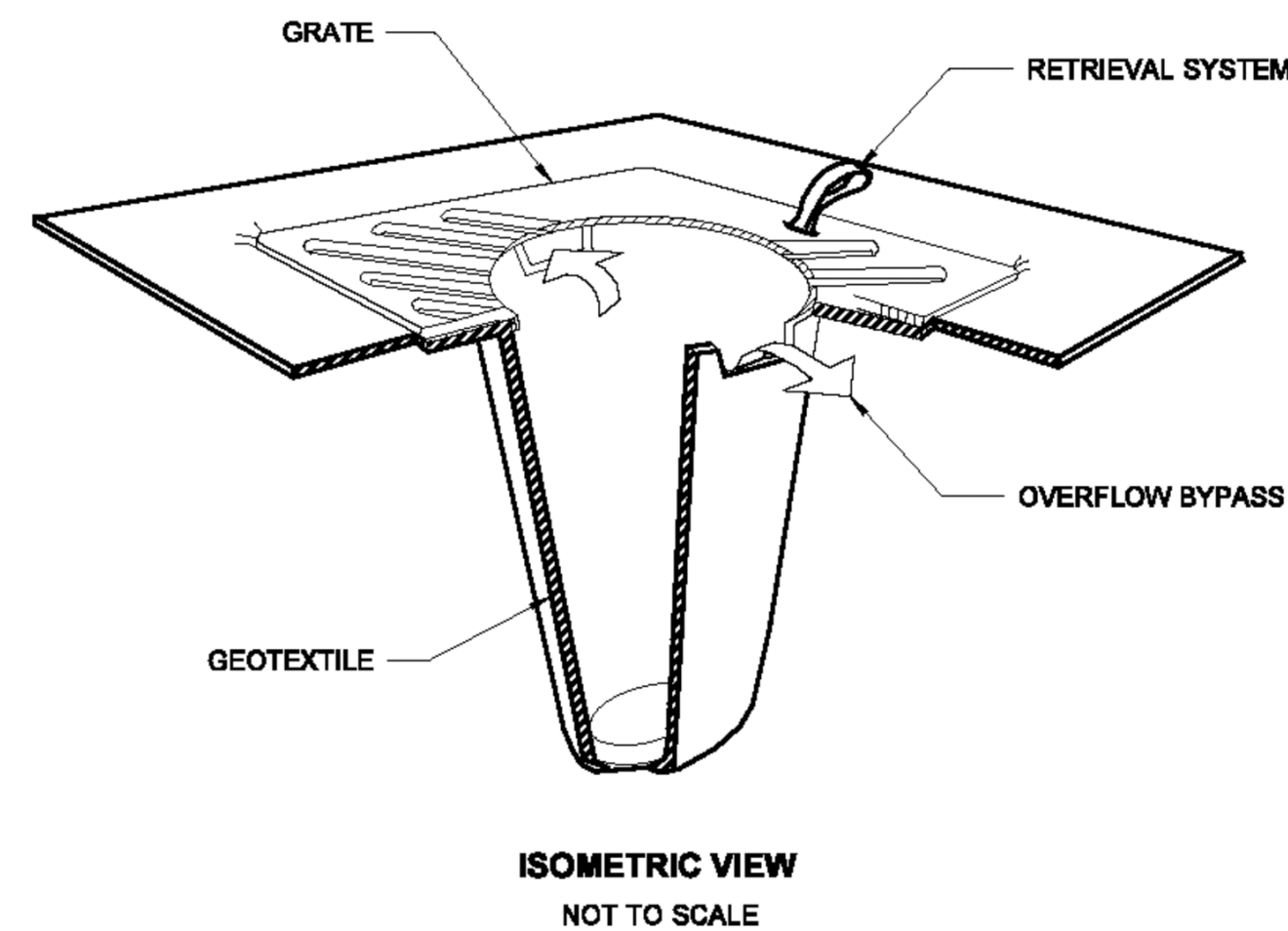
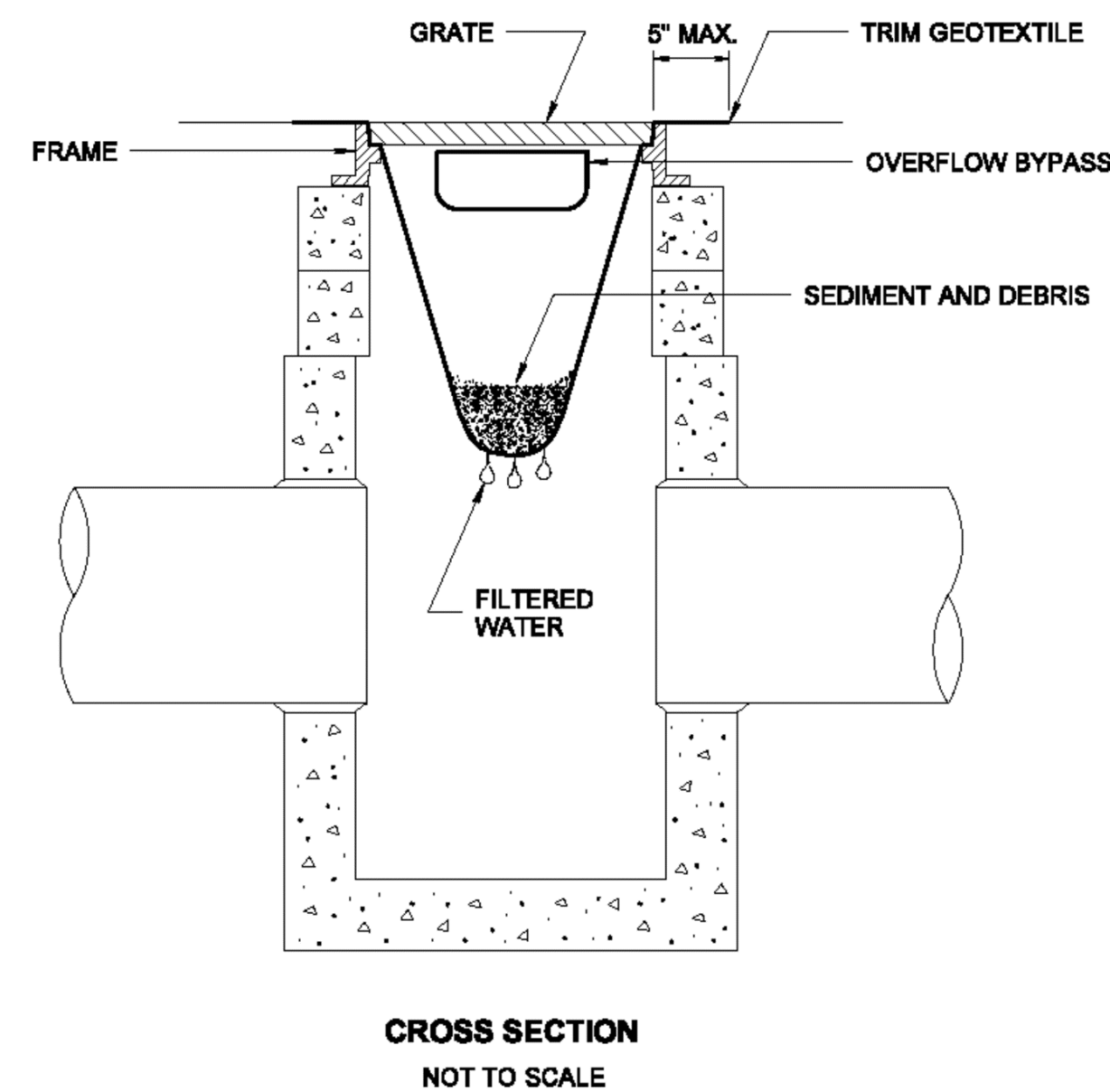
NO CHANGES TO THIS DRAWING



A SILT FENCE
SCALE: NTS

NOTES:

1. PERFORM MAINTENANCE IN ACCORDANCE WITH SPECIFICATIONS.
2. SIZE THE BELOW GRATE INLET DEVICE (BGID) FOR THE STORM WATER STRUCTURE IT WILL SERVICE.
3. THE BGID SHALL HAVE A BUILT-IN HIGH-FLOW RELIEF SYSTEM (OVERFLOW BYPASS).
4. THE RETRIEVAL SYSTEM MUST ALLOW REMOVAL OF THE BGID WITHOUT SPILLING THE COLLECTED MATERIAL.



B CATCH BASIN PROTECTION
SCALE: NTS

EROSION CONTROL NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING, INSTALLING, AND MAINTAINING ALL MEASURES NECESSARY TO MEET CONSTRUCTION BEST MANAGEMENT PRACTICES (BMPS) IN ACCORDANCE WITH WASHINGTON STATE DEPARTMENT OF ECOLOGY STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON (2012), WSDOT HIGHWAY RUNOFF MANUAL (2014), AND ALL OTHER STATE AND LOCAL REQUIREMENTS.
2. TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) FEATURES SHALL BE INSTALLED TO PREVENT RUNOFF FROM THE DEWATERED SEDIMENT FROM ENTERING ADJACENT SURFACE WATER BODY. THE NEED FOR THESE FEATURES, AND THEIR LOCATION, SHALL BE DETERMINED DURING CONSTRUCTION BASED ON THE ACTUAL LOCATION OF THE OFFLOADING AND TEMPORARY STORAGE ACTIVITIES.
3. FILTER FABRIC SILT FENCES, WHERE USED, SHALL BE INSTALLED ALONG A CONTOUR OF CONSTANT ELEVATION WHENEVER POSSIBLE.
4. ALTERNATIVES SUCH AS HAY BALES OR BRUSH BARRIERS MAY BE SUBSTITUTED IN LIEU OF SILT FENCES, SUBJECT TO APPROVAL OF THE ENGINEER.
5. TESC FEATURES SHALL BE USED BETWEEN ALL DRAINAGE DITCHES AND ADJACENT SURFACE WATER BODY WHERE THESE DITCHES AREA DOWNSTREAM OF THE OFFLOADING AND TEMPORARY STORAGE AREAS.
6. THE CONTRACTOR SHALL KEEP OFF-SITE STREETS THAT ARE IMPACTED AS A RESULT OF THE CONTRACTOR'S WORK CLEAN AT ALL TIMES. FLUSHING STREETS SHALL NOT BE ALLOWED. ALL STREETS SHOULD BE SWEEPED USING HIGH EFFICIENCY VACUUM SWEEPERS.
7. THE TEMPORARY EROSION/SEDIMENT CONTROLS SHALL BE INSTALLED, INSPECTED, AND OPERATING BEFORE ANY EXCAVATION OCCURS. THESE CONTROLS MUST BE SATISFACTORILY MAINTAINED UNTIL CONSTRUCTION ACTIVITIES ARE APPROVED AS COMPLETE BY THE OWNER.

RECORD DRAWINGS

ONE INCH
AT FULL SIZE. IF NOT ONE
INCH SCALE ACCORDINGLY

K:\Projects\0388-Port Gamble Sediment Cleanup.RIF\S\CConstruction Plans\As-Built\0388-C-15 (Details).dwg C-12

Jan 04, 2018 9:57am chewett



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APPROVED BY: J. LAPLANTE
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DATE: OCTOBER 2017

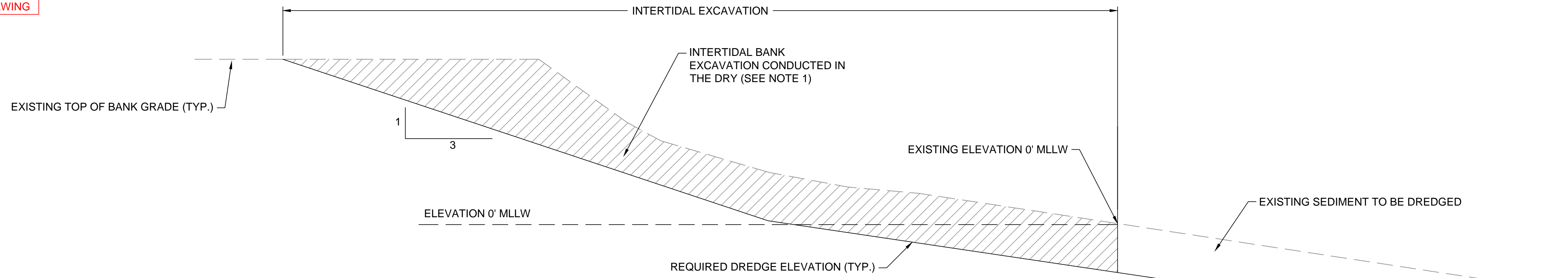
PORT GAMBLE BAY CLEANUP
RECORD DRAWINGS

TESC DETAILS

C-12

SHEET NO. 22 OF 24

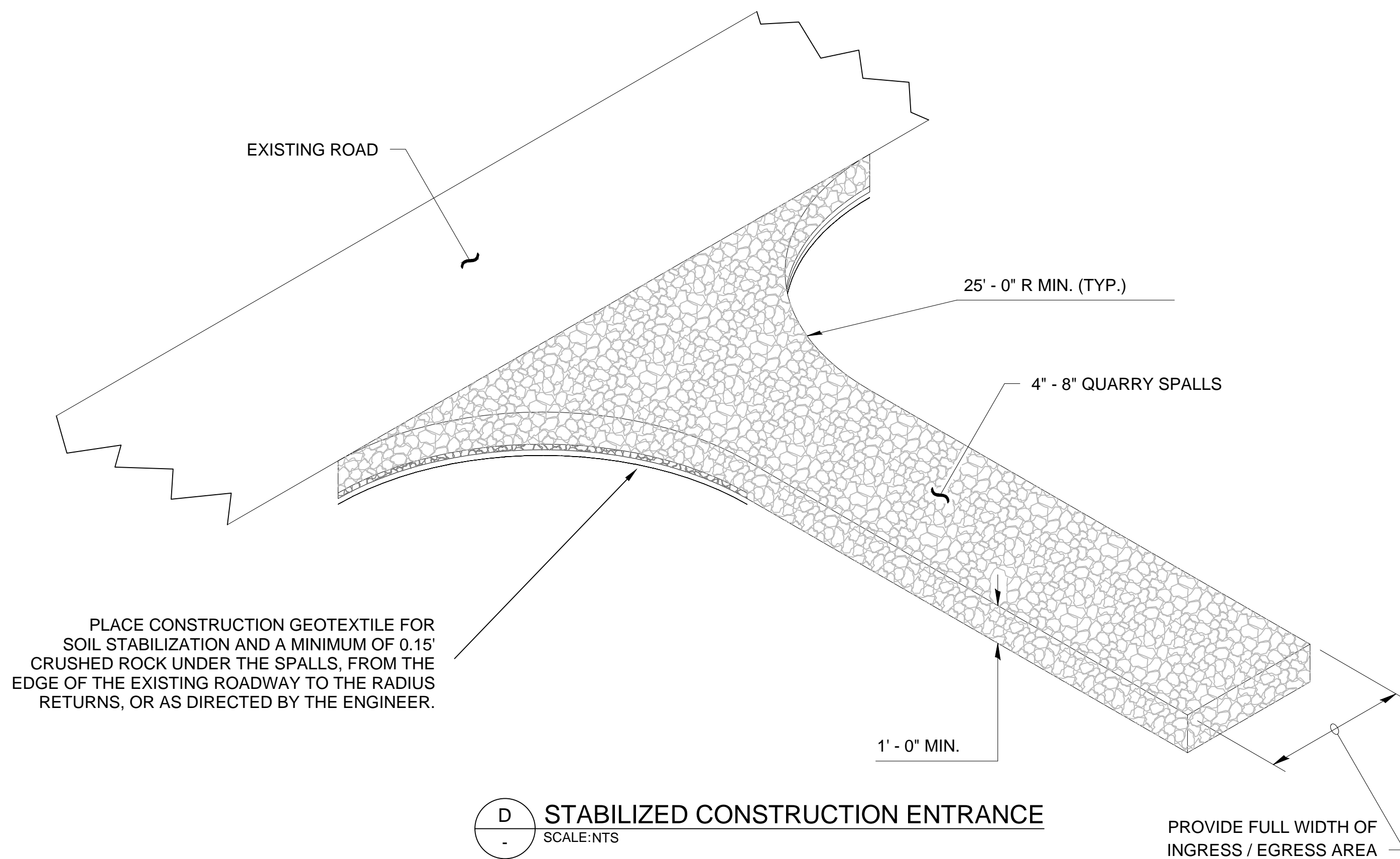
NO CHANGES TO THIS DRAWING



C EXCAVATION DETAIL
SCALE: NTS

NOTES:

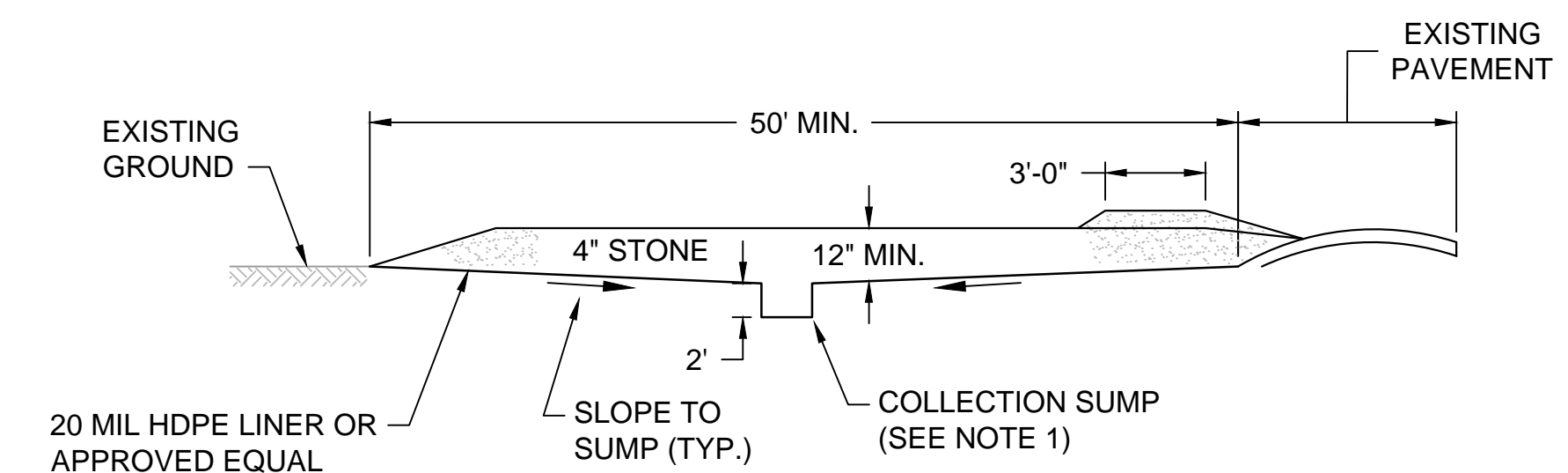
1. FOR EXISTING ELEVATION 0' MLLW AND HIGHER, EXCAVATE IN THE DRY. IF THE REQUIRED DREDGE ELEVATION BENEATH THE EXISTING ELEVATION 0' MLLW CANNOT BE PRACTICABLY ACHIEVED IN THE DRY, DREDGE EQUIPMENT MAY BE USED.
2. PLACE A MINIMUM OF 6" OF FILTER MATERIAL WITHIN THE SAME TIDAL CYCLE OVER THE NEWLY-EXCAVATED SURFACE, FOLLOWING CONFIRMATION THE REQUIRED DREDGE ELEVATIONS HAVE BEEN ACHIEVED.
3. IF IN THE DRY EXCAVATION DOWN TO THE REQUIRED DREDGE ELEVATIONS IS NOT ACHIEVED PRIOR TO THE INCOMING TIDE, THE CONTRACTOR SHALL PROTECT THE NEWLY-EXCAVATED SURFACE UNTIL THE SUBSEQUENT LOW WATER WORK PERIOD.



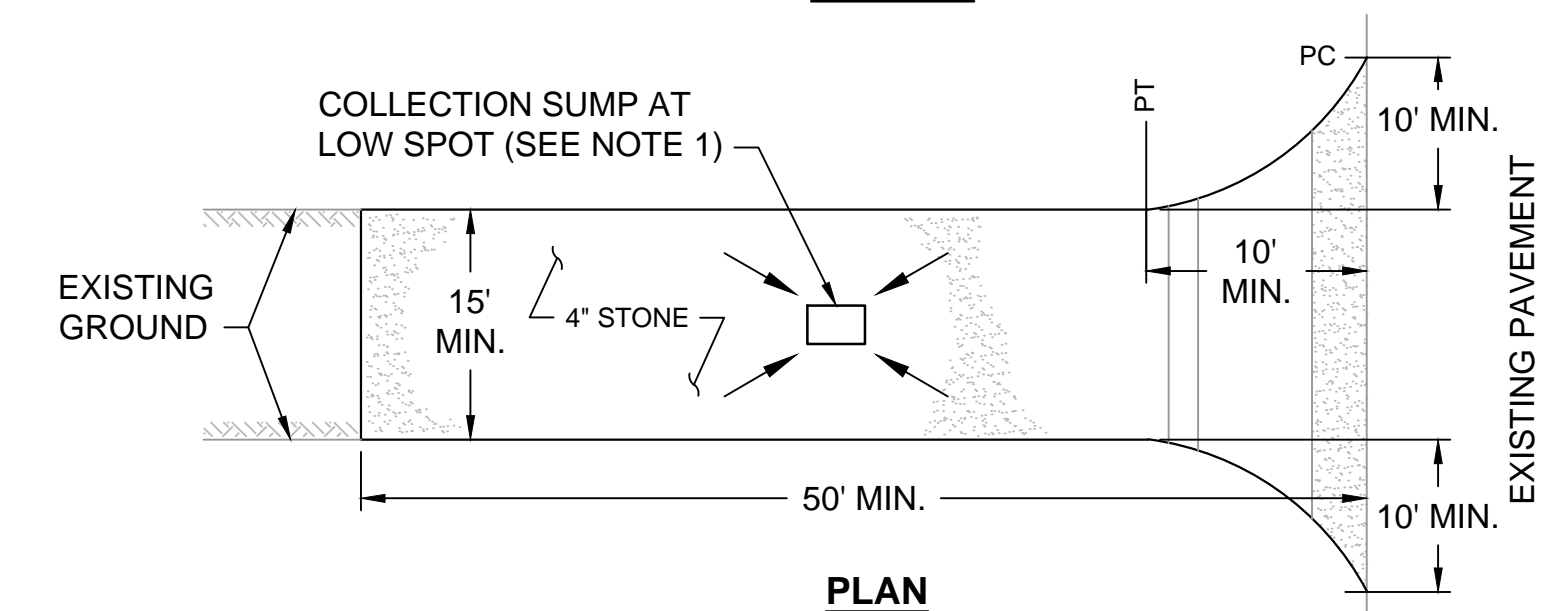
D STABILIZED CONSTRUCTION ENTRANCE
SCALE: NTS

NOTES:

1. A STABILIZED ENTRANCE, SUCH AS THE DETAIL SHOWN, SHALL BE CONSTRUCTED, IF NECESSARY, AT THE ENGINEER'S DIRECTION TO PREVENT TRACKING OF SOIL ONTO PUBLIC ROADWAYS AND TO PREVENT EROSION AND RUNOFF FROM ACCESS ROUTES.



PROFILE



PLAN

TRUCK WASH STATION NOTES:

1. WASH STATION SHALL BE CONSTRUCTED WITH A 20 MIL HDPE LINER SYSTEM TO DRAIN TO 2' DEEP HDPE LINED COLLECTION SUMP. DECONTAMINATION WATER IN THE COLLECTION SUMP SHALL BE DISPOSED OF AT THE APPROVED AND PERMITTED DISPOSAL FACILITY.
2. THE TRUCK WASH STATION SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SOIL/DEBRIS ONTO ADJACENT PAVED AREAS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF THE COLLECTION SUMP. ALL SOIL/DEBRIS SPILLED, DROPPED, WASHED OR TRACKED ONTO ADJACENT PAVEMENT MUST BE REMOVED IMMEDIATELY.
3. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.
4. STONE AND ACCUMULATED SEDIMENT SHALL BE REMOVED AND DISPOSED OF AT AN APPROPRIATE DISPOSAL FACILITY AT THE CONCLUSION OF THE PROJECT.

E TRUCK WASH STATION - TYP.
SCALE: NTS

RECORD DRAWINGS



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APPROVED BY: J. LAPLANTE
SCALE: AS NOTED
DATE: OCTOBER 2017

PORT GAMBLE BAY CLEANUP
RECORD DRAWINGS

MISCELLANEOUS DETAILS

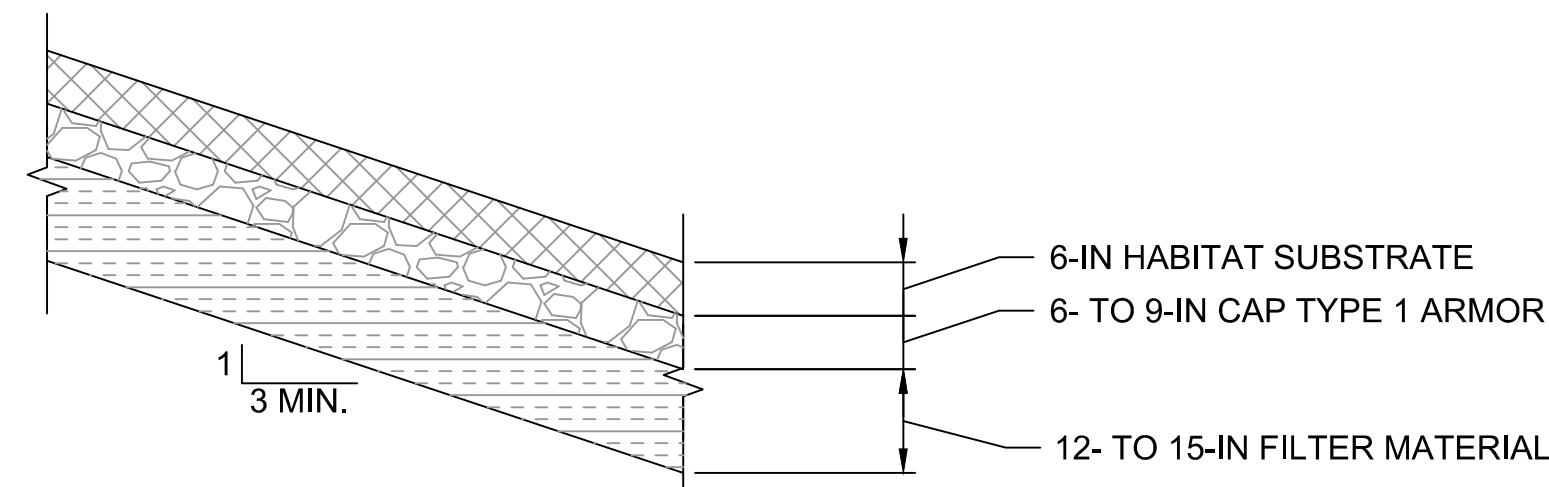
C-13

SHEET NO. 23 OF 24

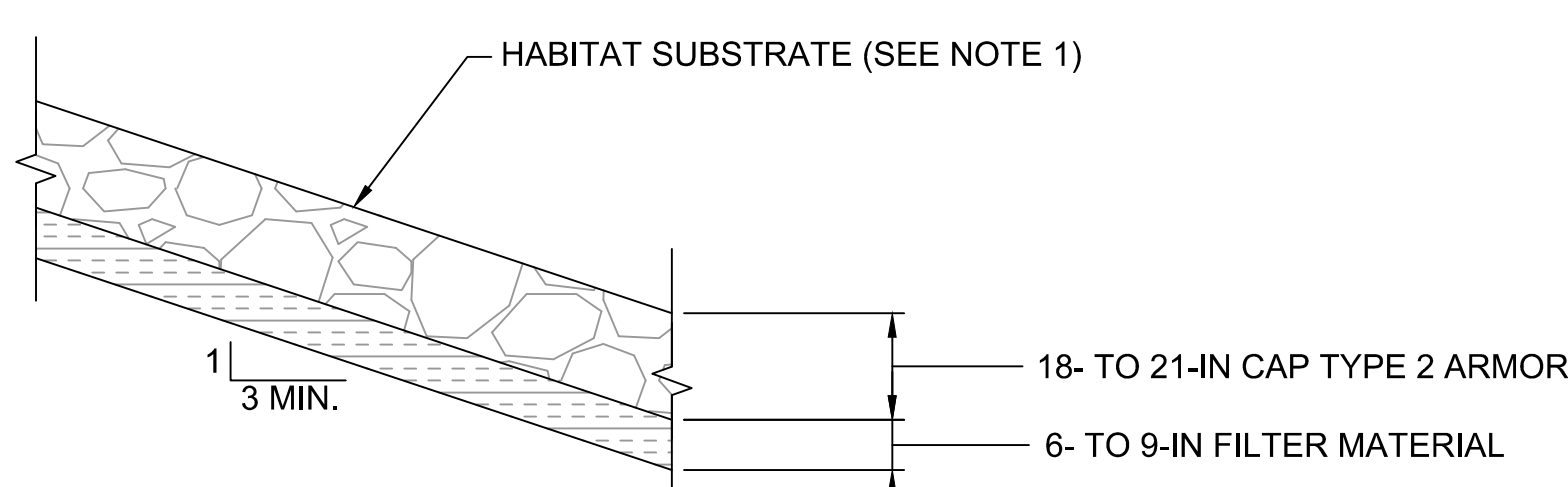
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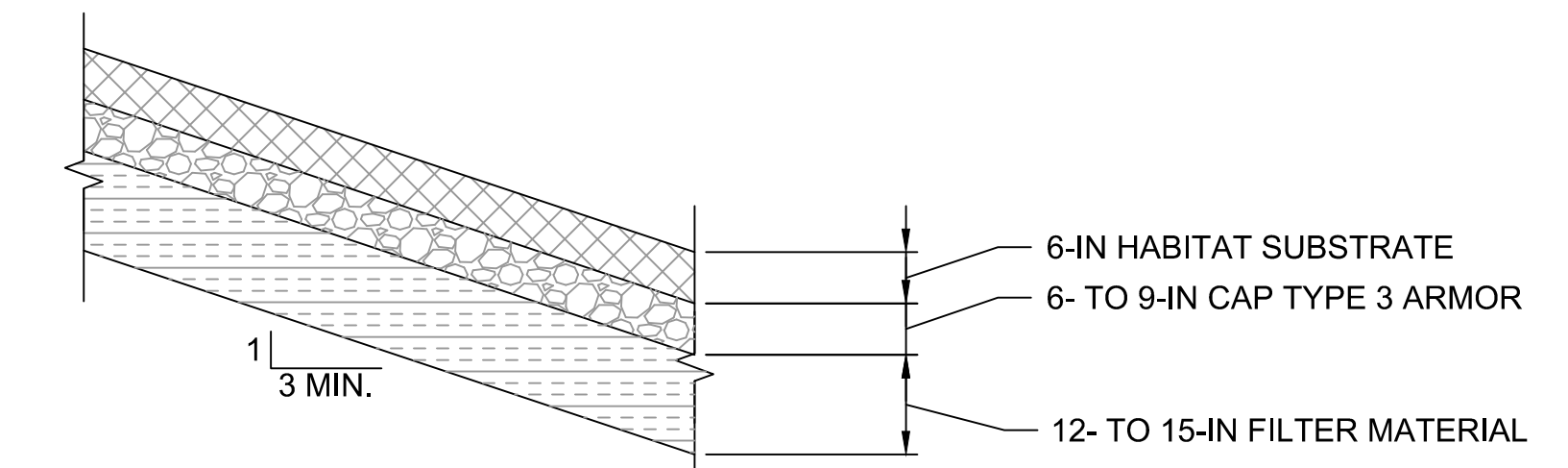
ONE INCH
AT FULL SIZE, IF NOT ONE
INCH SCALE ACCORDINGLY



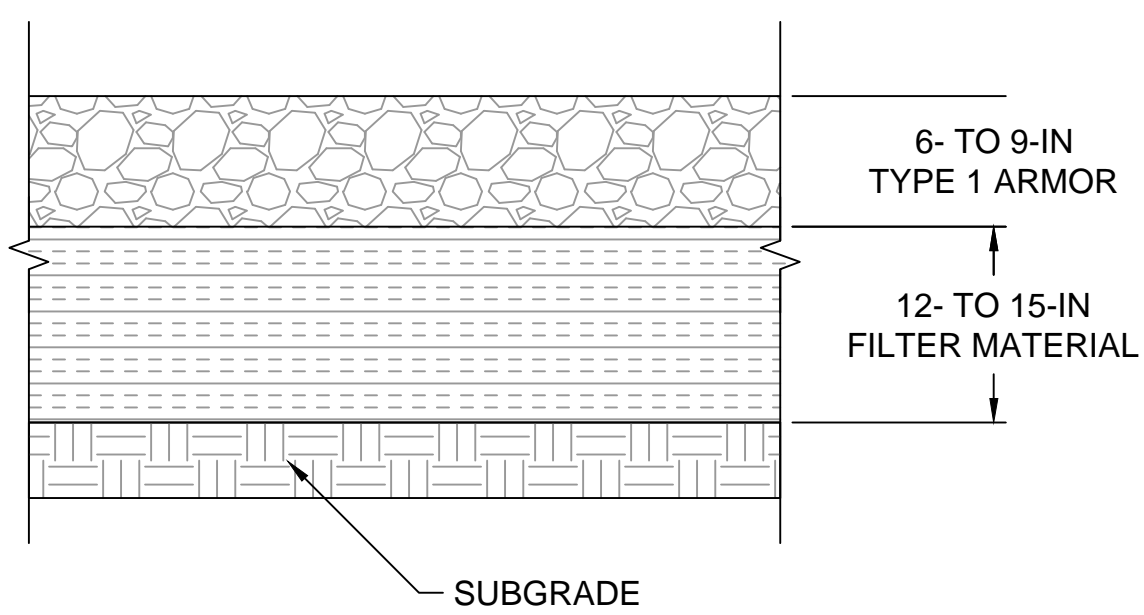
F INTERTIDAL CAP TYPE 1
C-07/C-08 SCALE:NTS



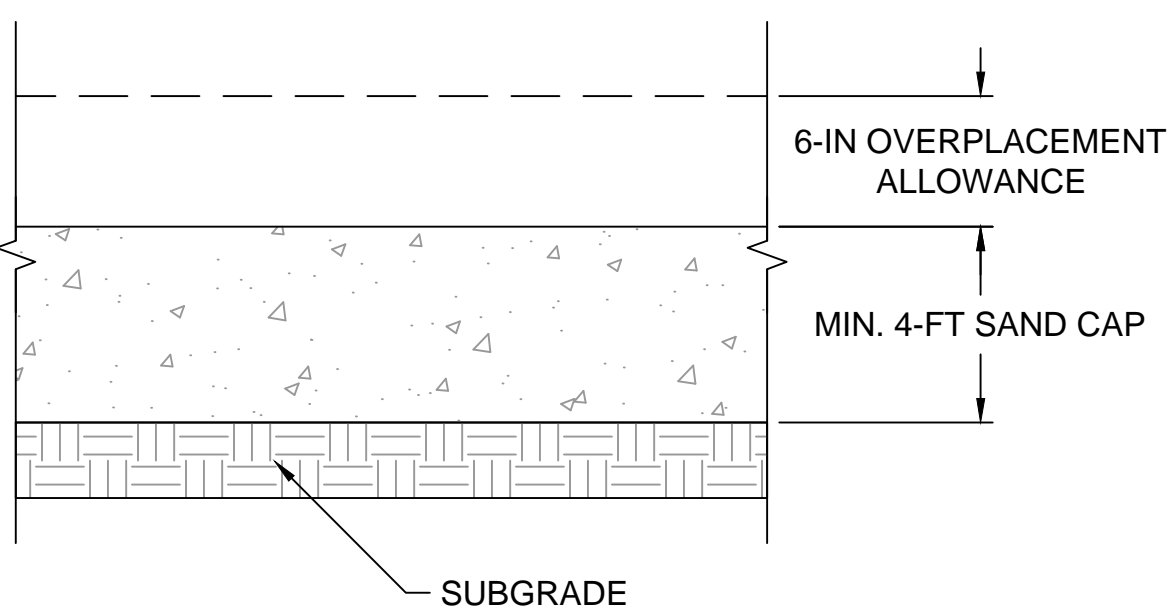
G INTERTIDAL CAP TYPE 2
C-07 TO C-11 SCALE:NTS
NOTE: PLACE NOMINAL 6 INCHES OF HABITAT SUBSTRATE TO FILL INTERSTITIAL SPACES IN TYPE 2 ARMOR.



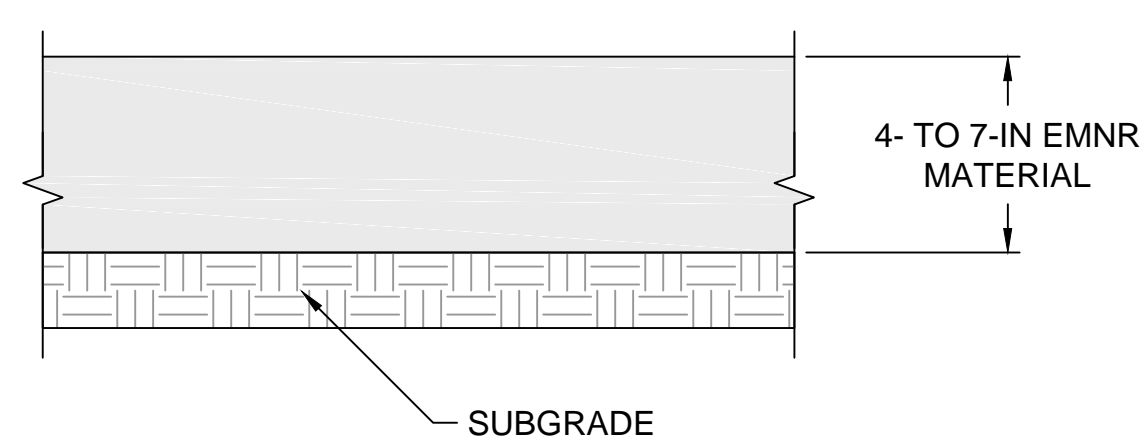
H INTERTIDAL CAP TYPE 3
C-07 TO C-11 SCALE:NTS



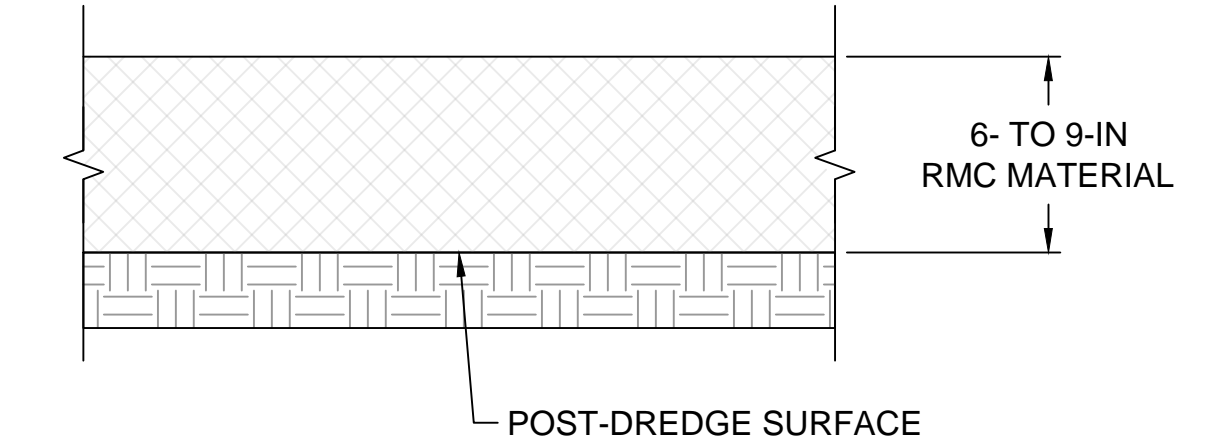
I SMA-1 SUBTIDAL CAP
C-07 SCALE:NTS



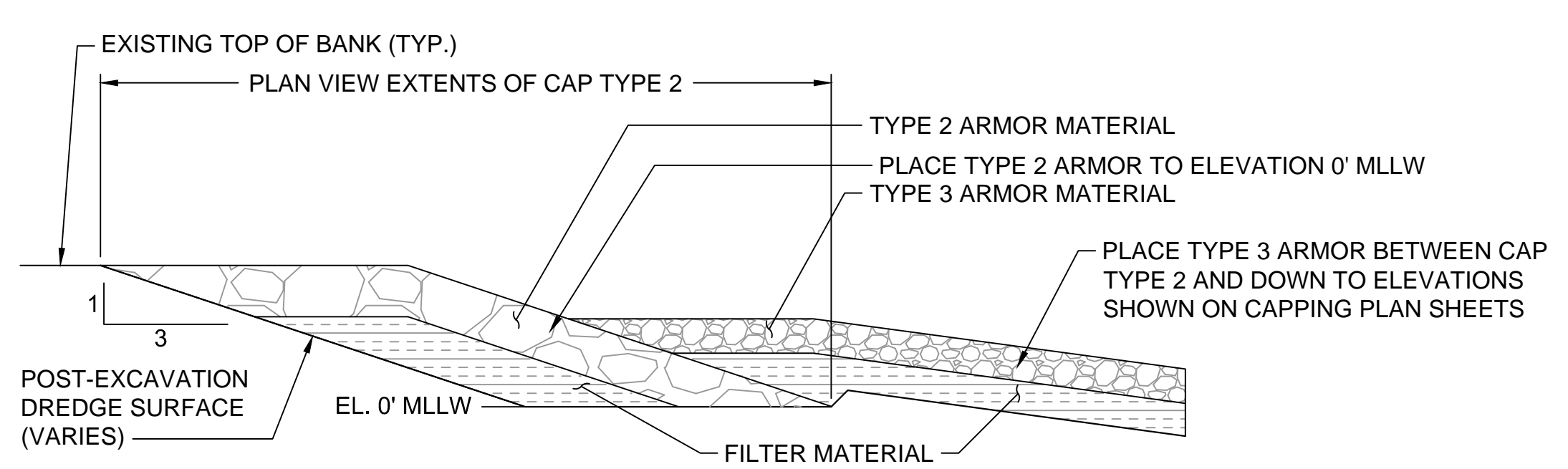
J SMA-2 SUBTIDAL CAP
C-09 TO C-11 SCALE:NTS



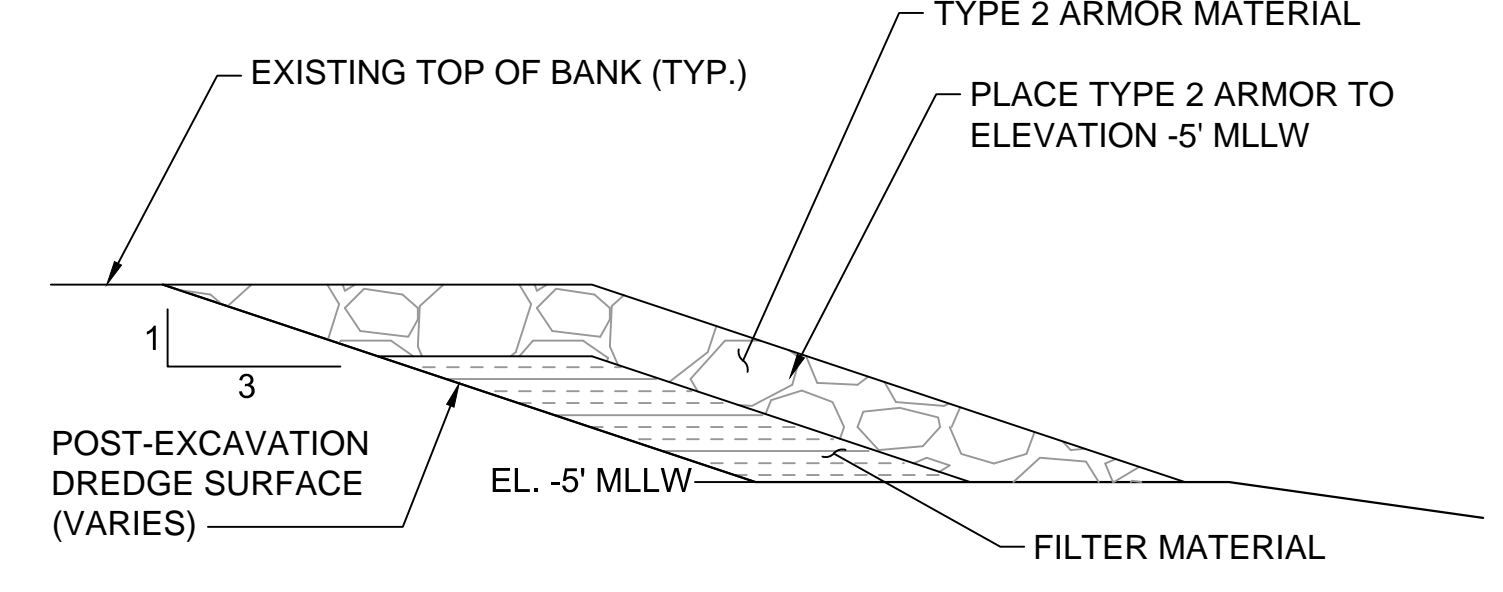
K EMNR MATERIAL PLACEMENT
C-09 TO C-11 SCALE:NTS



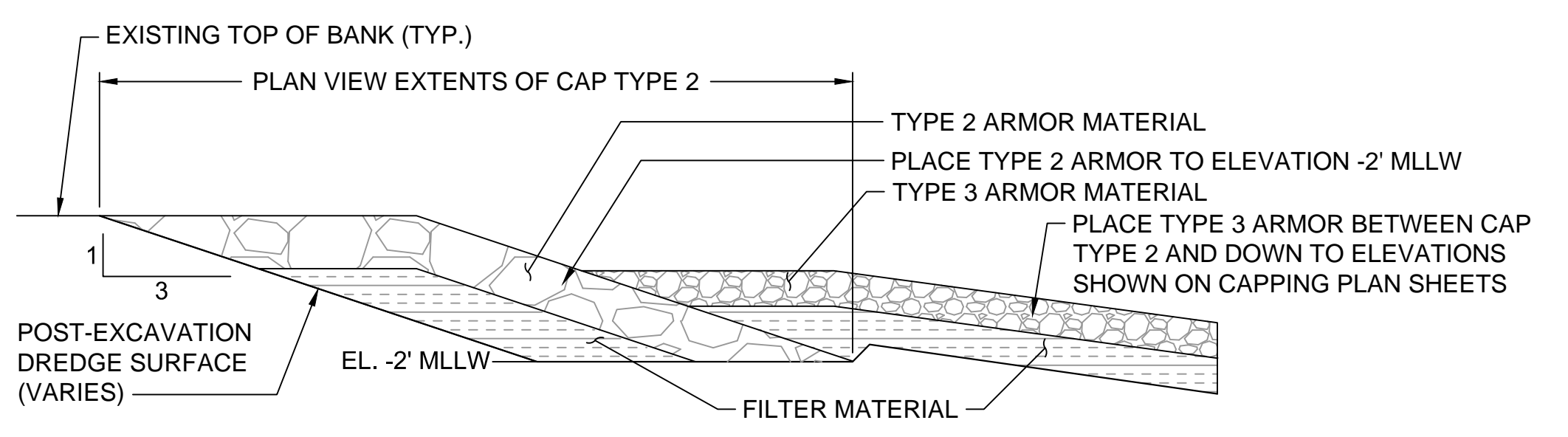
L RMC MATERIAL PLACEMENT
C-07 TO C-11 SCALE:NTS



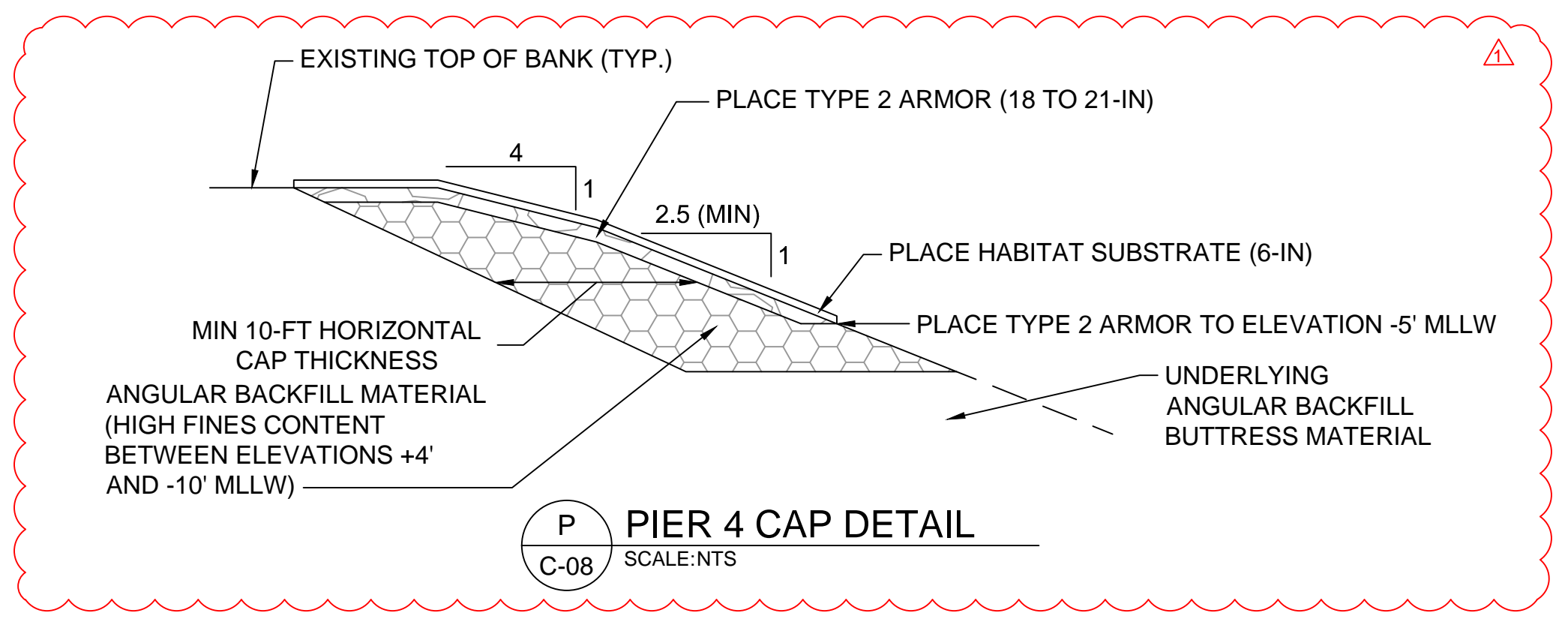
M ARMOR TOE DETAIL 1
C-06 TO C-10 SCALE:NTS



N ARMOR TOE DETAIL 2
C-06 TO C-10 SCALE:NTS



O ARMOR TOE DETAIL 3
C-06 TO C-10 SCALE:NTS

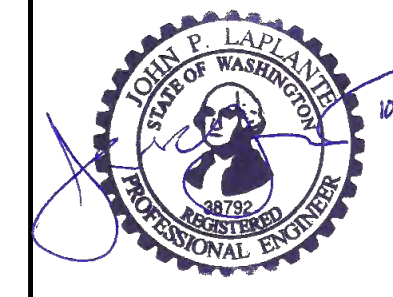


P PIER 4 CAP DETAIL
C-08 SCALE:NTS

RECORD DRAWINGS



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CHECKED BY: J. LAPLANTE
APPROVED BY: J. LAPLANTE
SCALE: AS NOTED
DATE: OCTOBER 2017

**PORT GAMBLE BAY CLEANUP
RECORD DRAWINGS**

CAP DETAILS

C-14

SHEET NO. 24 OF 24

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ONE INCH
AT FULL SIZE, IF NOT ONE
INCH SCALE ACCORDINGLY