

BINDING EDGE

PORT OF TACOMA FILE: N:\Civil\113-113151 Pot Bank Stabilization\Part 3 - KPFF Design\3.13 Drawings\113151-G1

PORT OF TACOMA

SHORELINE STABILIZATION PROJECT NO. 091407 CONTRACT NO. 070107

PORT COMMISSIONERS:

CONSTANCE T. BACON
DON MEYER
DONALD C. JOHNSON
RICHARD P. MARZANO
CLARE PETRICH

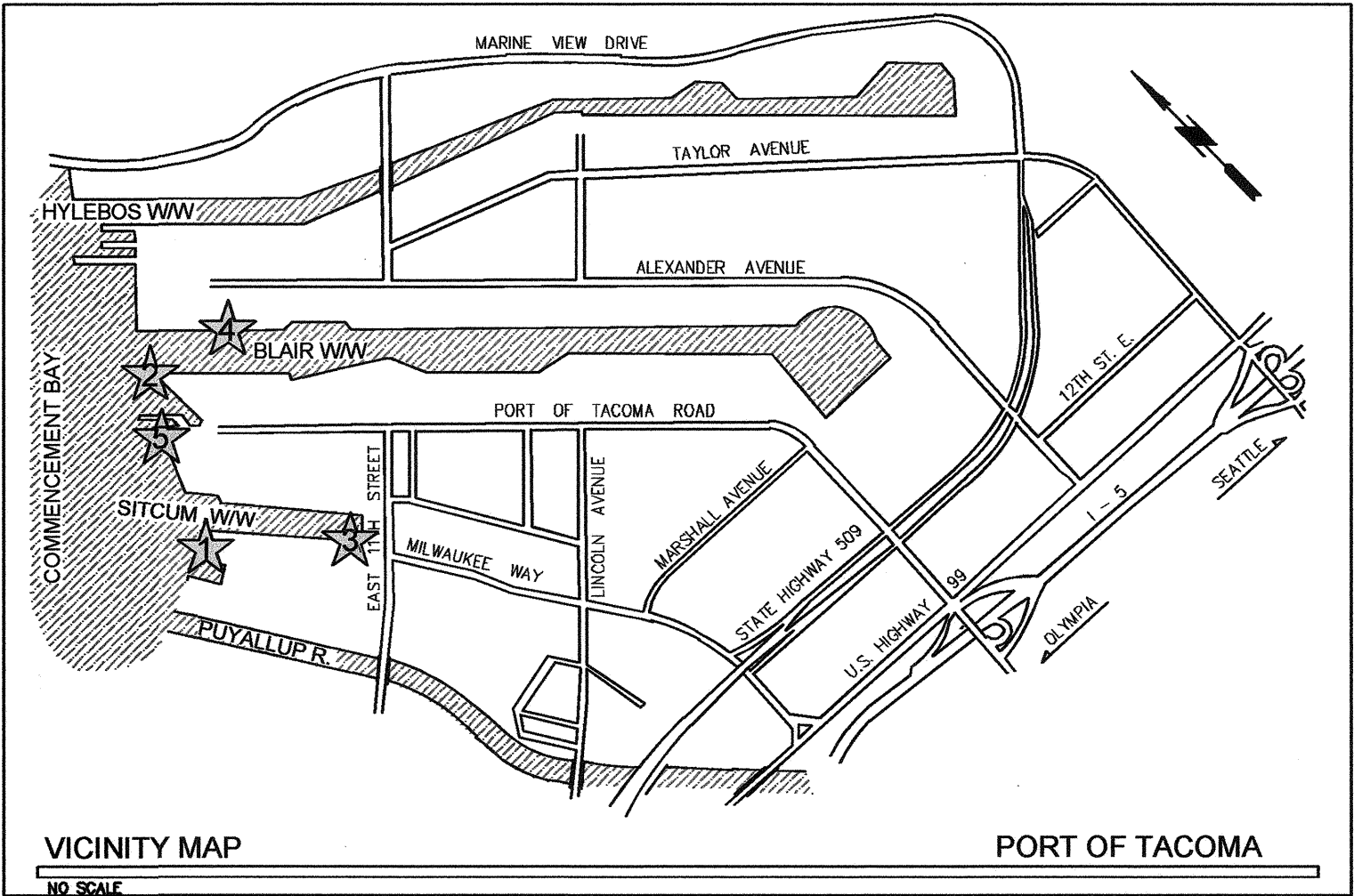
PORT STAFF:

JOHN WOLFE
Chief Executive Officer

DAKOTA CHAMBERLAIN, PE
Chief Facilities Development Officer

THAIS HOWARD, PE
Director of Engineering

PEDRO REYES, PE
Project Manager



PROJECT WORK AREAS	
1	APM TERMINAL
2	HUSKY TERMINAL
3	SITCUM WATERWAY
4	TOTE OCEAN TRAILER EXPRESS TERMINAL
5	OLYMPIC CONTAINER TERMINAL

ABBREVIATIONS:

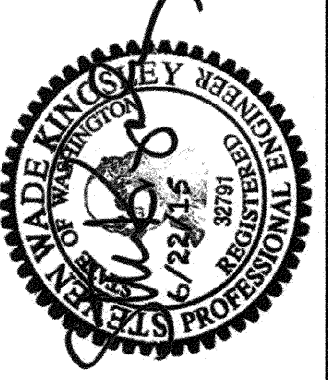
APPROX	APPROXIMATE
ASPH	ASPHALT
BMP	BEST MANAGEMENT PRACTICE
CB	CATCH BASIN
CF	CUBIC FEET
CL	CENTER LINE
CONC	CONCRETE
COT	CITY OF TACOMA
DEMO	DEMOLITION
DIA	DIAMETER
ELEV	ELEVATION
EX	EXISTING
IN	INCHES
LWD	LARGE WOODY DEBRIS
MH	MANHOLE
MHHW	MEAN HIGHER HIGH WATER
MLLW	MEAN LOWER LOW WATER (EL 0.0')
NTS	NOT TO SCALE
OHWM	ORDINARY HIGH WATER MARK
POT	PORT OF TACOMA
SPECS	SPECIFICATIONS
SF	SQUARE FEET
TESC	TEMPORARY EROSION AND SEDIMENTATION CONTROL
WAC	WASHINGTON ADMINISTRATIVE CODE
WDFW	WASHINGTON DEPARTMENT OF FISH AND WILDLIFE
WSDOT	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION

DRAWING LIST		
SHEET DESIGNATION	SHEET #	SHEET TITLE
G1	1	COVER SHEET
G2	2	KEY PLAN
G3	3	CONSTRAINTS AND SEQUENCING
G4	4	CONSTRAINTS AND SEQUENCING
C1	5	GENERAL AND TESC NOTES
C2	6	DEMO AND TESC - APM
C3	7	DEMO AND TESC - HUSKY
C4	8	DEMO AND TESC - SITCUM
C5	9	DEMO AND TESC - TOTE
C6	10	DEMO AND TESC - OCT
C7	11	DEMO PHOTO SHEET
C8	12	PLAN - APM
C9	13	PROFILE - APM
C10	14	PROFILE - APM
C11	15	PLAN - HUSKY
C12	16	PROFILE - HUSKY
C13	17	PLAN - SITCUM
C14	18	PROFILE - SITCUM
C15	19	PLAN - TOTE
C16	20	PROFILE - TOTE
C17	21	PLAN - OCT
C18	22	PROFILE - OCT
C19	23	PHOTO SHEET 1
C20	24	PHOTO SHEET 2
C21	25	PHOTO SHEET 3

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(253) 396-0150 FAX (253) 396-0162



MADE IN WASHINGTON
J. WOLFE
6/22/15
25315
PROFESSIONAL ENGINEER

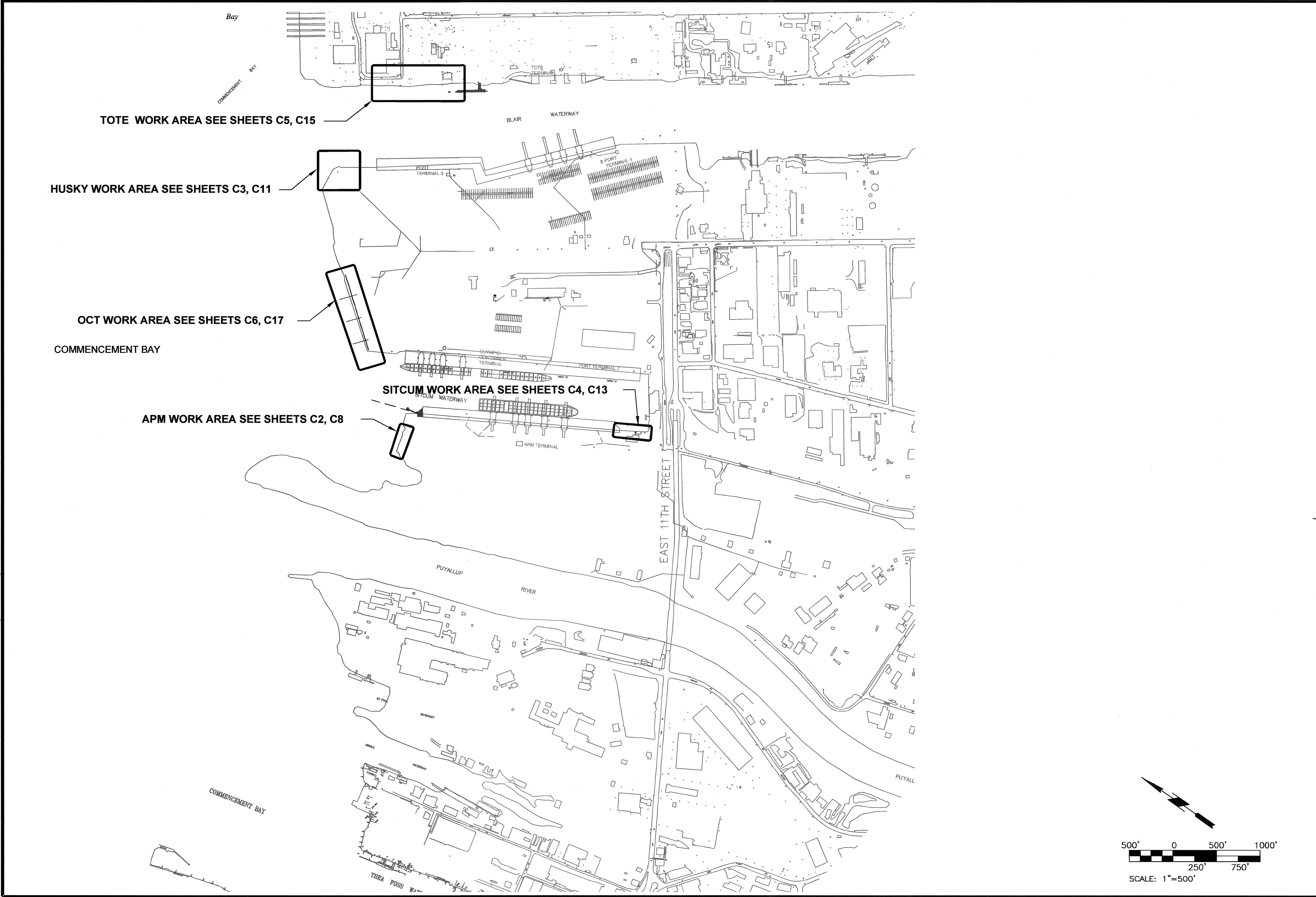
APPROVED: *[Signature]* SWK 6/22/2015
DIRECTOR: *[Signature]* 9-8-15
DATE: 6/22/2015
PROJECT: 091407
PRINTED BY: *[Signature]* 6/23/2015
PORT ADDRESS: ONE SITCUM PLAZA
TACOMA, WA 98401-1837

PORT OF TACOMA
SHORELINE STABILIZATION
COVER SHEET

6531
G1
SHEET 1 OF 25
CONT/CONS:
M. ID:
PHASE: FINAL

TOWNSHIP: 21 RANGE: 03 SECTION: 34
DAT-HRZ: NAD83/07 VERT: MLLW
PARCEL: - DRAWING SCALE: AS NOTED

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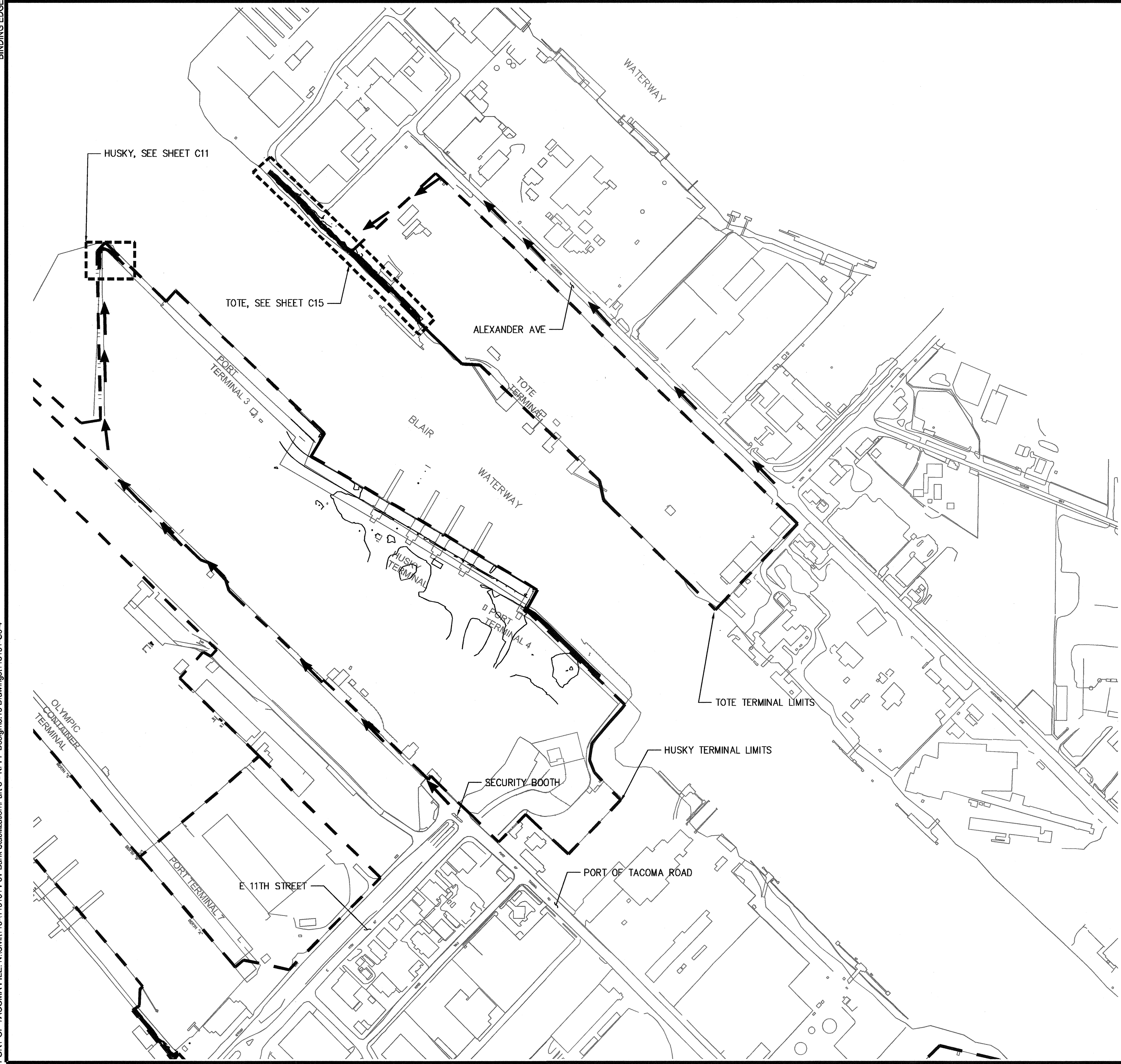


6531 G2 SHEET 2 OF 25	PORT OF TACOMA SHORELINE STABILIZATION KEY PLAN	APPROVED: <i>[Signature]</i> SWK 6/22/2015		Part of Tacoma 2407 North 31st Street, Suite 100 Tacoma, Washington 98407 (253) 396-0150 FAX (253) 396-0162 P.O. BOX 180 TACOMA, WA 98401-0180		
		CHECKED BY: RGC 6/22/2015			kpff Part of Tacoma	
		DIRECTOR: ENG. DATE: 9-8-15				MARK: REVISION: BY: DATE:
		PRINTED BY: rehandler Jun 23, 2015				APPR: DATE:
CONT/CONS:	TOWNSHIP: 21	RANGE: 03	SECTION: 34			
M. ID:	DATE-HRZ: NAD83/07	VERT: MLLW	PORT ADDRESS: ONE SITCUM PLAZA			
PHASE: FINAL	PARCEL: -	DRAWING SCALE: AS NOTED	TACOMA, WA 98401-1837			

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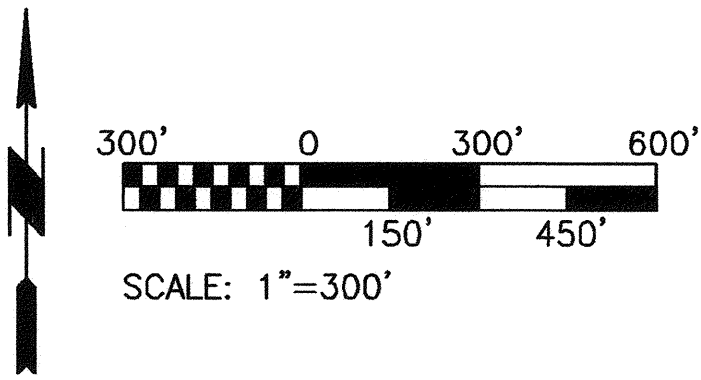
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PORT OF TACOMA FILE: N:\Civil\113-113151 Pot Bank Stabilization\Part 3 - KPFF Design\3.13 Drawings\113151-C3-4



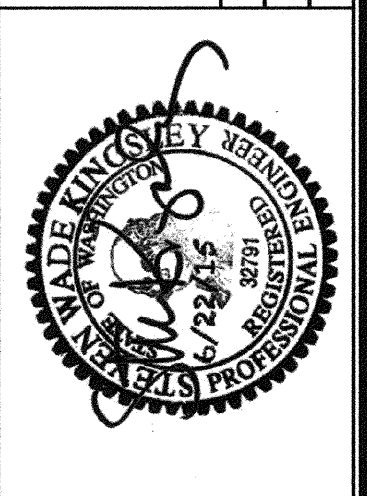
NOTES:

1. CONTRACTOR SHALL COORDINATE WORK ACTIVITY THOUGH THE PORT, INCLUDING SCHEDULING ALL WORK AND WORK CHANGES.
2. WORK SCHEDULE AT EACH SITE MUST BE COORDINATED WITH THE PORT, AND ARRANGED TO ACCOMPLISH CONSTRUCTION WORK DURING PERIOD OF LOW ACTIVITY AT THE SITE. CONTRACTOR SHALL MAKE A REASONABLE EFFORT TO ADAPT WORK SCHEDULE TO FIT PREFERRED WORK PERIODS IDENTIFIED BY THE PORT AND TENANTS.
3. CONTRACTOR SHALL MAINTAIN 12' UNOBSTRUCTED ACCESS AT ALL TIMES WITHIN TERMINAL OR PARKING DRIVE AISLE.
4. THE PORT AND TENANT MUST APPROVE A CONTRACTOR PROVIDED WORK PLAN ADDRESSING AT A MINIMUM, SCHEDULE ANTICIPATED SEQUENCE OF WORK, CONSTRUCTION ROUTES, ACTIVITIES, MATERIAL STORAGE AREAS, PRIOR TO BEGINNING WORK AT EACH SITE.
5. CONTRACTOR SHALL PROVIDE TEMPORARY TRAFFIC CONTROL BARRIERS TO PROTECT WORK AREAS FROM TERMINAL TRAFFIC.
6. TRANSPORTATION WORKER IDENTIFICATION CREDENTIALS (TWC) IS REQUIRED FOR ANY PERSONNEL NEEDING UNESCORTED ACCESS TO SECURE AND RESTRICTED AREAS OF PORT FACILITIES SUBJECT TO 33 CFR 105, INCLUDING TRUCKERS, SURVEYORS, CONSTRUCTION PERSONNEL AND DELIVERY PERSONNEL.



6531 G3 SHEET 3 OF 25	PORT OF TACOMA SHORELINE STABILIZATION CONSTRAINTS AND SEQUENCING				APPROVED: <i>[Signature]</i> DIRECTOR 9-6-15	SWK 6/22/2015
	TOWNSHIP: 21 RANGE: 03 SECTION: 34 DAT-HRZ: NAD83/07 VERT: MLLW PARCEL: -				CHECKED BY: RGC 6/22/2015 DATE: 6/23/2015 PRINTED BY: rchandler JUN 23, 2015 PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98407-1837	DATE: 6/23/2015
CONT/CONS:		REVISION:		BY:		APPR:
M. ID:		MARK:		DATE:		
PHASE: FINAL						

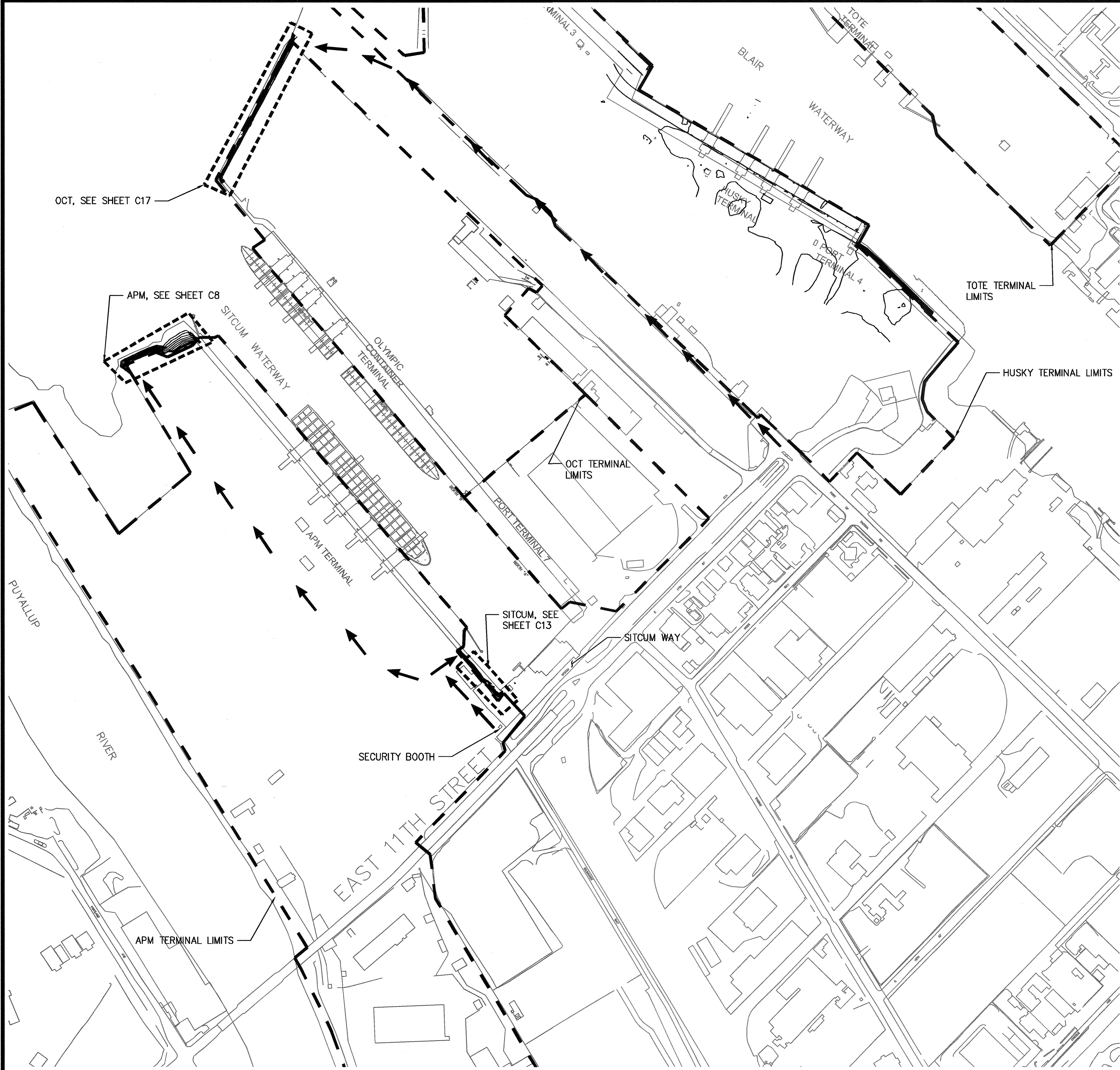
kpff 2407 North 31st Street, Suite 100 Tacoma, Washington 98407 (253) 596-0150 FAX (253) 596-0152 P.O. BOX 907 TACOMA, WA 98407-0907	Port of Tacoma	
	P.O. BOX 907 TACOMA, WA 98407-0907	



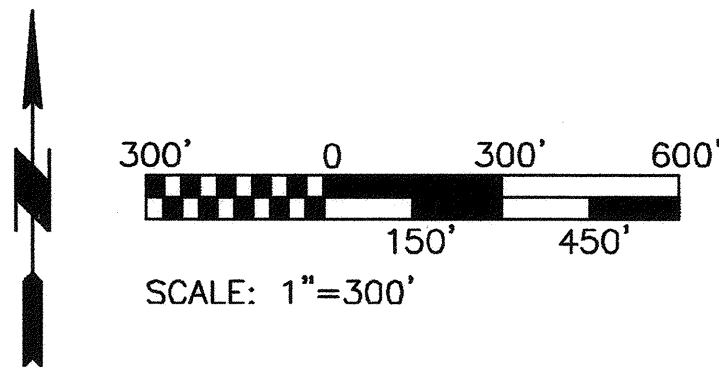
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PORT OF TACOMA FILE: N:\Civil\113-113151 Pot Bank Stabilization\Part 3 - KPFF Design\3.13 Drawings\113151-G3-4

BINDING EDGE



- NOTES:**
1. CONTRACTOR SHALL COORDINATE WORK ACTIVITY THOUGH THE PORT, INCLUDING SCHEDULING ALL WORK AND WORK CHANGES.
 2. WORK SCHEDULE AT EACH SITE MUST BE COORDINATED WITH THE PORT, AND ARRANGED TO ACCOMPLISH CONSTRUCTION WORK DURING PERIOD OF LOW ACTIVITY AT THE SITE. CONTRACTOR SHALL MAKE A REASONABLE EFFORT TO ADAPT WORK SCHEDULE TO FIT PREFERRED WORK PERIODS IDENTIFIED BY THE PORT AND TENANTS.
 3. CONTRACTOR SHALL MAINTAIN 12' UNOBSTRUCTED ACCESS AT ALL TIMES WITHIN TERMINAL OR PARKING DRIVE AISLE.
 4. THE PORT AND TENANT MUST APPROVE A CONTRACTOR PROVIDED WORK PLAN ADDRESSING AT A MINIMUM, SCHEDULE ANTICIPATED SEQUENCE OF WORK, CONSTRUCTION ROUTES, ACTIVITIES, MATERIAL STORAGE AREAS, PRIOR TO BEGINNING WORK AT EACH SITE.
 5. CONTRACTOR SHALL PROVIDE TEMPORARY TRAFFIC CONTROL BARRIERS TO PROTECT WORK AREAS FROM TERMINAL TRAFFIC.
 6. TRANSPORTATION WORKER IDENTIFICATION CREDENTIALS (TWIC) IS REQUIRED FOR ANY PERSONNEL NEEDING UNESCORTED ACCESS TO SECURE AND RESTRICTED AREAS OF PORT FACILITIES SUBJECT TO 33 CFR 105, INCLUDING TRUCKERS, SURVEYORS, CONSTRUCTION PERSONNEL AND DELIVERY PERSONNEL.



6531 G4 SHEET 4 OF 25	PORT OF TACOMA SHORELINE STABILIZATION CONSTRAINTS AND SEQUENCING	APPROVED: <i>[Signature]</i> SWK 6/22/2015	MADE IN WASHINGTON REGISTERED PROFESSIONAL ENGINEER 6/22/15 82791	Port of Tacoma 2407 North 31st Street, Suite 100 Tacoma, Washington 98407 (253) 396-0150 FAX (253) 396-0162	
		DIRECTOR ENG. DATE 9-8-15 PRINTED BY: rethunder Jun 23, 2015 PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98407-1837			
CONT/CONS:	TOWNSHIP: 21	RANGE: 03	SECTION: 34		
M. ID:	DAT-HRZ: NAD83/07		VERT: MLLW		
PHASE: FINAL	PARCEL: -	DRAWING SCALE: AS NOTED			

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GENERAL NOTES:

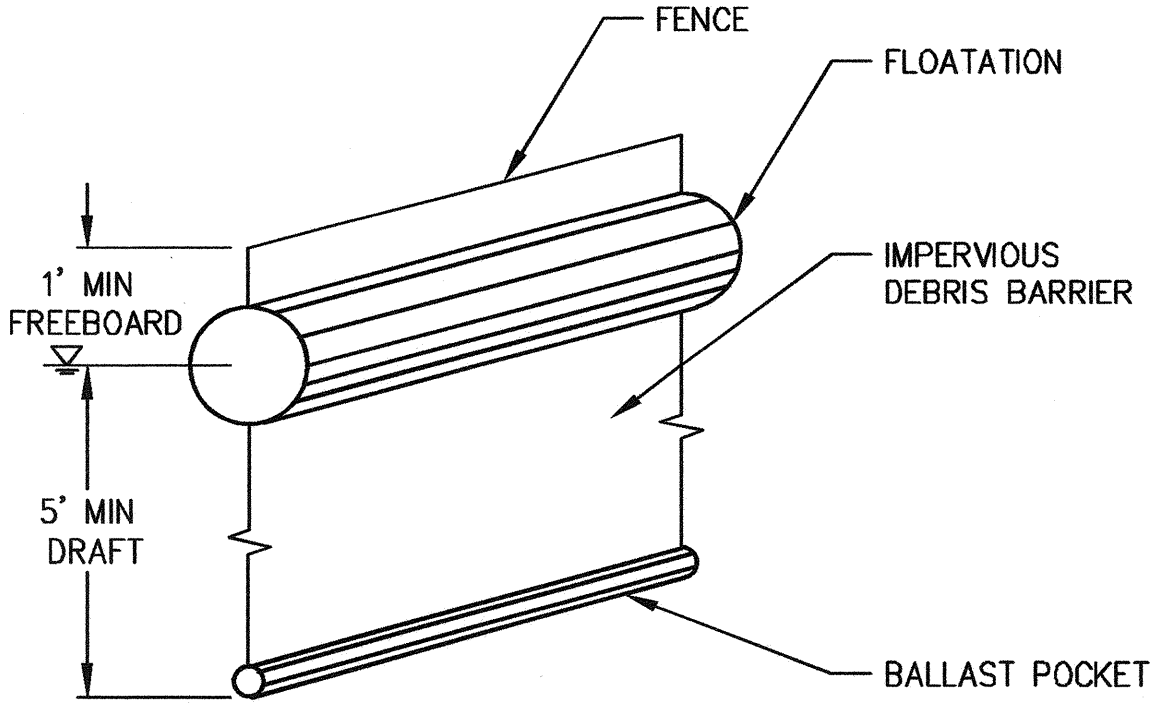
- ALL WORK SHALL CONFORM TO THESE PLANS AND SPECIFICATIONS. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE PROJECT PERMITS AND ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS PERTAINING TO DEMOLITION AND DISPOSAL.
- CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A DETAILED WORK PLAN, INCLUDING, DEMOLITION PRIOR TO COMMENCING WORK, SEE SPECIFICATIONS.
- THE CONTRACT DOCUMENTS AND SPECIFICATIONS REPRESENT THE SCOPE OF WORK. UNLESS OTHERWISE SHOWN THEY DO NOT INDICATE THE METHOD OF WORK. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND HE SHALL BE SOLELY RESPONSIBLE FOR ALL MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES.
- THE CONTRACTOR SHALL KEEP ALL STREETS, TERMINAL AREAS, AND VEHICULAR TRAFFIC AREAS CLEAN.
- CONTRACTOR IS RESPONSIBLE FOR ANY TRAFFIC CONTROLS REQUIRED DURING THE DURATION OF THIS PROJECT, SEE SPECIFICATIONS.
- THE CONTRACTOR SHALL INSTALL AND MAINTAIN PERIMETER FENCING AS REQUIRED TO MAINTAIN SECURITY OF SITES.
- CONTRACTOR SHALL PROTECT-IN-PLACE ALL STRUCTURES, UTILITIES AND OBJECTS NOT CALLED OUT AS BEING DEMOLISHED ON THE PLANS. ANY DAMAGE TO ITEMS NOT BEING DEMOLISHED SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE .
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO STRICTLY CONTAIN THE WORK WITHIN THE LIMITS SHOWN ON THE DRAWINGS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. ANY DAMAGE TO UTILITIES, OTHER FACILITIES, OR EQUIPMENT DUE TO THE CONTRACTOR'S NEGLIGENCE SHALL BE PROMPTLY REPAIRED AT HIS EXPENSE. THIS INCLUDES ITEMS OUTSIDE THE WORK AREA THAT ARE DAMAGED BY CONSTRUCTION ACTIVITIES DURING EXECUTION OF THIS CONTRACT.
- ALL LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN HEREIN HAVE BEEN ESTABLISHED BY FIELD OBSERVATIONS OR OBTAINED FROM REVIEW OF AVAILABLE RECORDS AND SHOULD, THEREFORE, BE CONSIDERED APPROXIMATE ONLY AND NOT NECESSARILY COMPLETE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS SHOWN AND TO FURTHER DISCOVER AND AVOID OTHER UTILITIES NOT SHOWN HEREIN WHICH MAY BE AFFECTED BY THE IMPLEMENTATION OF THIS PLAN. THE CONTRACTOR SHALL BRING ANY CONFLICTS BETWEEN EXISTING UTILITIES AND NEW WORK TO THE ENGINEERS ATTENTION.
- THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO COMMENCING WORK IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.
- EXTENT OF DEBRIS REMOVAL AND CLEAR AND GRUB VEGETATION IS APPROXIMATE AND IS TO BE VERIFIED BY THE ENGINEER PRIOR TO COMPLETION OF WORK. WOOD DEBRIS LARGER THAN 12"Ø WITHIN WORK CLEARING LIMITS MUST REMAIN IN PLACE. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- EXTENT OF SLOPE PROTECTION MAINTENANCE IS APPROXIMATE AND IS TO BE VERIFIED BY THE ENGINEER PRIOR TO COMPLETION OF WORK. SEE SHEETS C8 AND C22 FOR ADDITIONAL INFORMATION.
- THE INTENT OF THE DEMOLITION PLANS AND PHOTOS ARE TO SHOW GENERAL SCOPE OF ITEMS TO BE DEMOLISHED. THE PHOTOS HIGHLIGHT ITEMS IN THE FOREGROUND TO BE DEMOLISHED. ITEMS IN THE BACKGROUND THAT ARE TO BE DEMOLISHED ARE NOT NECESSARILY IDENTIFIED. THE CONTRACTOR SHALL VISIT THE SITE AND SURVEY THE SCOPE OF DEMOLITION PRIOR TO SUBMITTING A BID.
- PRIOR TO SITE DEMOLITION, THE CONTRACTOR SHALL MARK ITEMS TO BE PROTECTED WITH TAPE OR MARKING PAINT. SITE DEMOLITION SHALL NOT PROCEED UNTIL MARKING IS REVIEWED AND APPROVED BY THE ENGINEER.
- PRIOR TO COMMENCING DEMOLITION ACTIVITIES CONTRACTOR SHALL IMPLEMENT TEMPORARY EROSION AND SEDIMENTATION CONTROLS. NO DEMOLITION MATERIALS OR DEBRIS SHALL BE ALLOWED TO ENTER THE WATERWAY, SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) GENERAL NOTES:

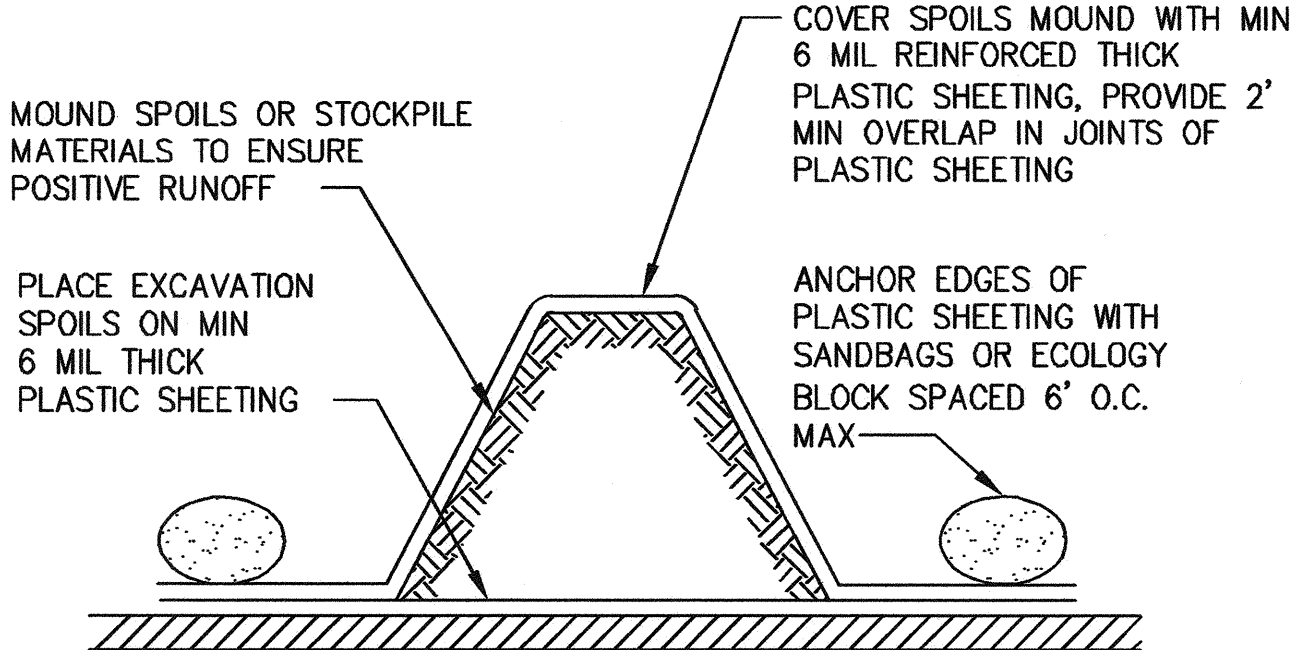
- THE IMPLEMENTATION OF THESE PLANS AND THE CONSTRUCTION, REGULAR REVIEW, MAINTENANCE, REPLACEMENT, AND CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN (SWPPP), AND UPGRADING THESE FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR IN ACCORDANCE WITH PROJECT SPECIFICATIONS AND PLANS UNTIL ALL CONSTRUCTION IS APPROVED AND ACCEPTED BY THE ENGINEER.
- THE TESC FACILITIES SHOWN ON THIS PLAN SHALL BE CONSTRUCTED PRIOR TO ALL CLEARING AND DEMOLITION SO AS TO ENSURE THAT TRANSPORT OF SEDIMENT TO SURFACE WATERS, DRAINAGE SYSTEMS, AND ADJACENT PROPERTIES IS MINIMIZED. THE TYPICAL WET SEASON RUNS FROM OCTOBER 1 THROUGH APRIL 30, AND THE DRY SEASON FROM MAY 1 THROUGH SEPTEMBER 30.
- THE TESC FACILITIES SHALL BE INSPECTED DAILY BY THE TESC SUPERVISOR AND MAINTAINED TO ENSURE CONTINUED PROPER FUNCTIONING IN ACCORDANCE WITH THE SPECIFICATIONS. WRITTEN RECORDS SHALL BE KEPT OF TESC INSPECTIONS WEEKLY DURING THE WET SEASON AND MONTHLY DURING THE DRY SEASON.
- CONTRACTOR SHALL MAINTAIN EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES TO THE REQUIREMENTS OF THE PERMITS, SPECIFICATIONS AND MINIMUM REQUIREMENTS SHOWN IN PLANS.
- THE TESC MEASURES SHOWN ON THESE PLANS ARE MINIMUM REQUIREMENTS. SHOULD TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES, AS SHOWN ON THE PLANS BECOME INADEQUATE, THE CONTRACTOR SHALL INSTALL BMPs AND/OR FACILITIES AS NECESSARY TO PROTECT ADJACENT PROPERTIES, WATERBODIES, CITY OF TACOMA DRAINAGE SYSTEM, AND EXISTING PORT DRAINAGE SYSTEMS MEETING THE APPROVAL OF THE ENGINEER.
- AS A GENERAL RULE, ANY AREAS OF EXPOSED SOILS, INCLUDING EMBANKMENTS, THAT WILL NOT BE DISTURBED FOR TWO DAYS DURING THE WET SEASON OR SEVEN DAYS DURING THE DRY SEASON SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED TESC BMP METHODS.
- INLET PROTECTION SHALL BE INSPECTED AFTER EACH STORM EVENT AND CLEANED OR REPLACED WHEN $\frac{1}{8}$ FULL.
- THE CONTRACTOR SHALL PROTECT STOCKPILE AND EXCAVATION AREAS FROM THE RELEASE OF SEDIMENT. STOCKPILES SHALL BE COVERED AT ALL ITEMS WHILE NOT IN USE TO KEEP THE STORED MATERIAL DRY, AS SHOWN IN DETAIL.
- ALL NON-SALVAGED MATERIAL REMOVED FROM THE SITE SHALL BE PLACED OR DISPOSED OF AT A PERMITTED SITE. CONTRACTOR SHALL OBTAIN CHARACTERIZATION DOCUMENTATION FROM THE ENGINEER FOR ALL MATERIAL PRIOR TO HAUL AND DISPOSAL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULL COMPLIANCE WITH THE WASHINGTON STATE DROPPING LOAD OR OTHER MATERIALS COVERING LAWS (RCW 46.51.655.3/4).
- PAVED AREAS SHALL BE SWEEP AS NECESSARY TO PREVENT SEDIMENT AND DUST TRACKING ONTO THE PAVED AREAS.
- PREVENTATIVE MEASURES TO MINIMIZE THE WIND TRANSPORT OF SOIL SHALL BE TAKEN WHEN SEDIMENT TRANSPORTED BY THE WIND IS LIKELY TO BE DEPOSITED IN DRAINAGE WAYS, WATER RESOURCES, OR NON-PORT PROPERTY.
- ALL TESC MEASURES SHALL BE REMOVED AND DISPOSED OF AT AN APPROVED SITE UPON PROJECT COMPLETION.

DATUM INFORMATION:

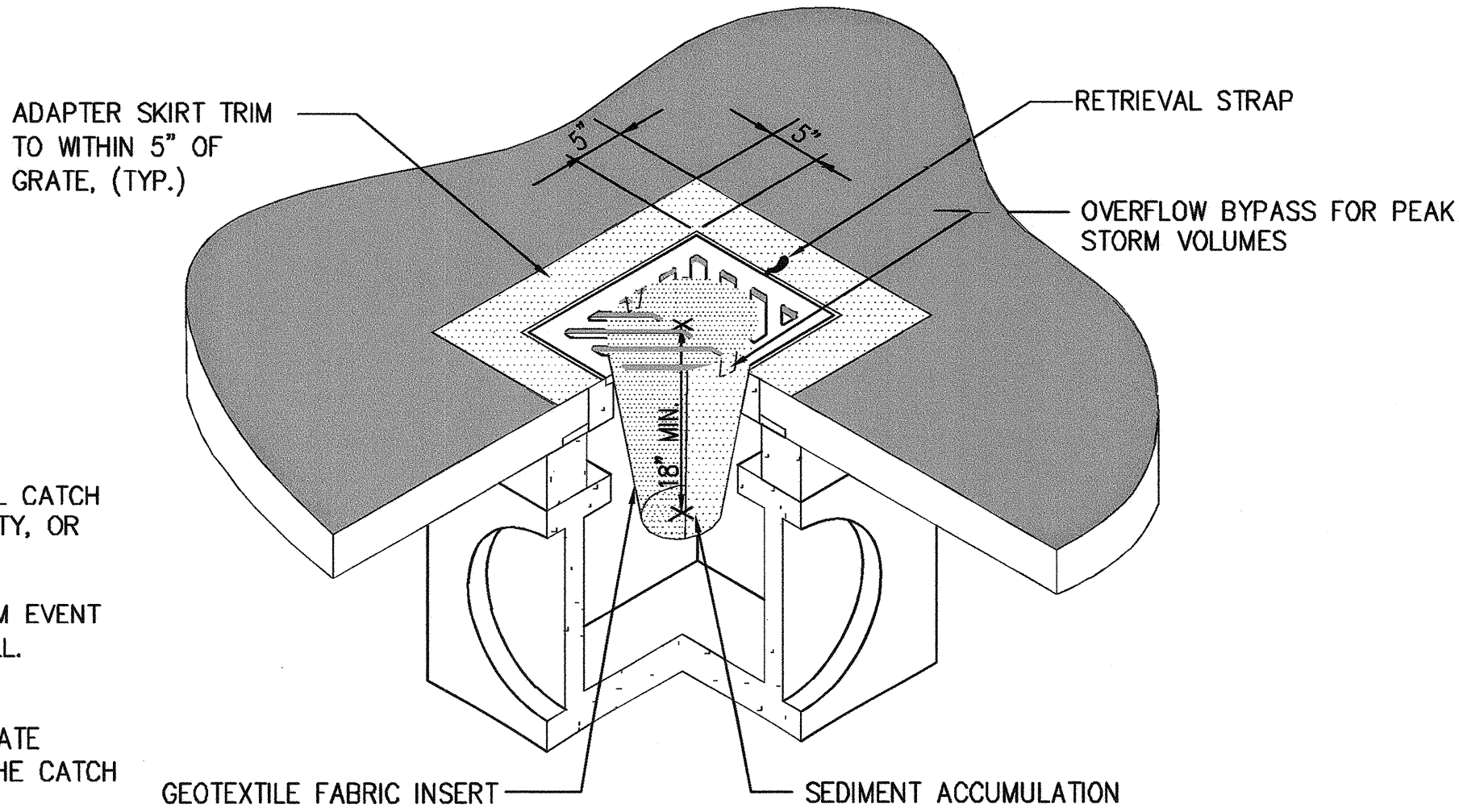
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- VERTICAL DATUM: MLLW FT



1 SILT CURTAIN NTS



2 STOCKPILE PROTECTION DETAIL NTS



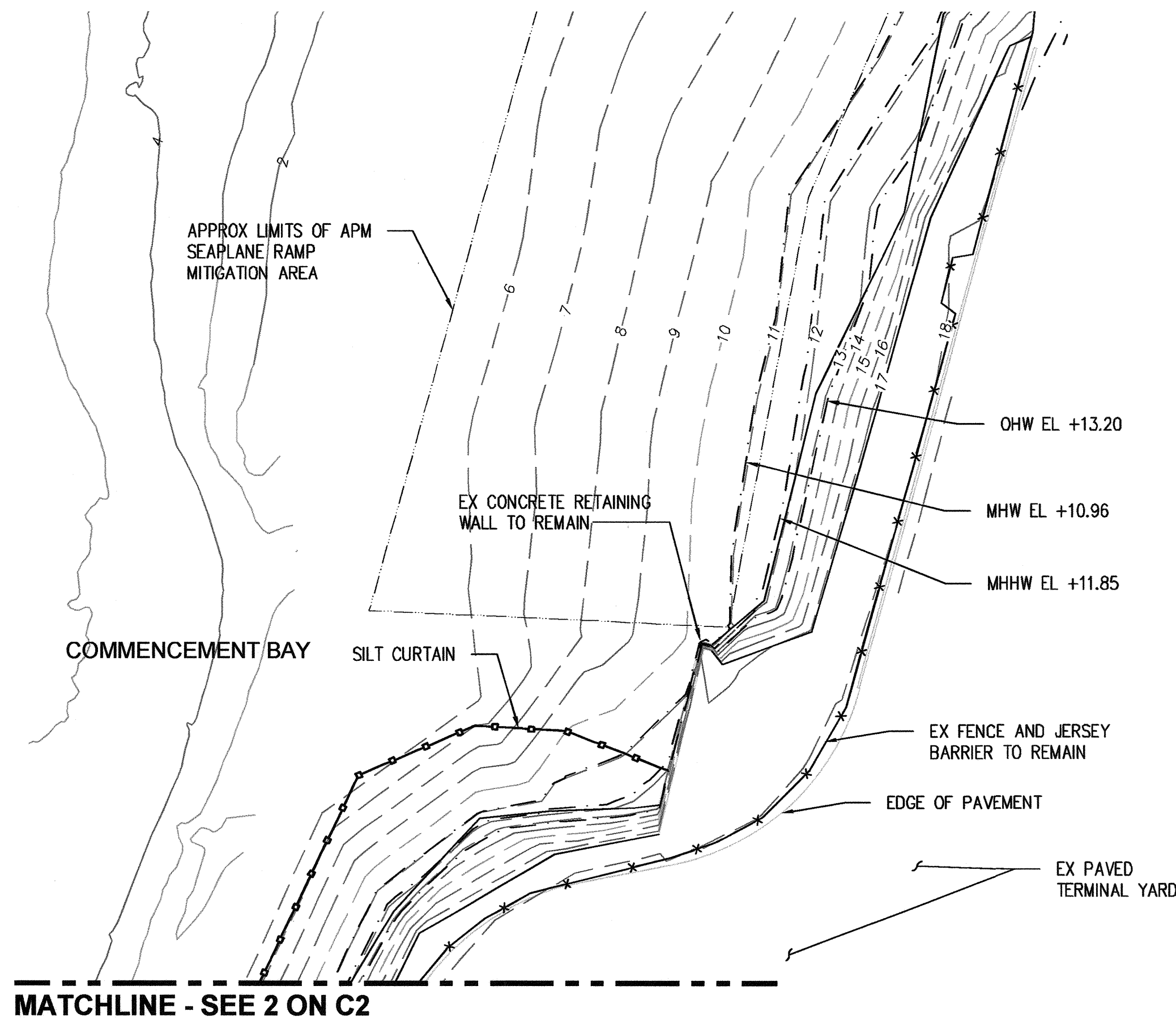
3 INLET PROTECTION DETAIL NTS

NOTES:

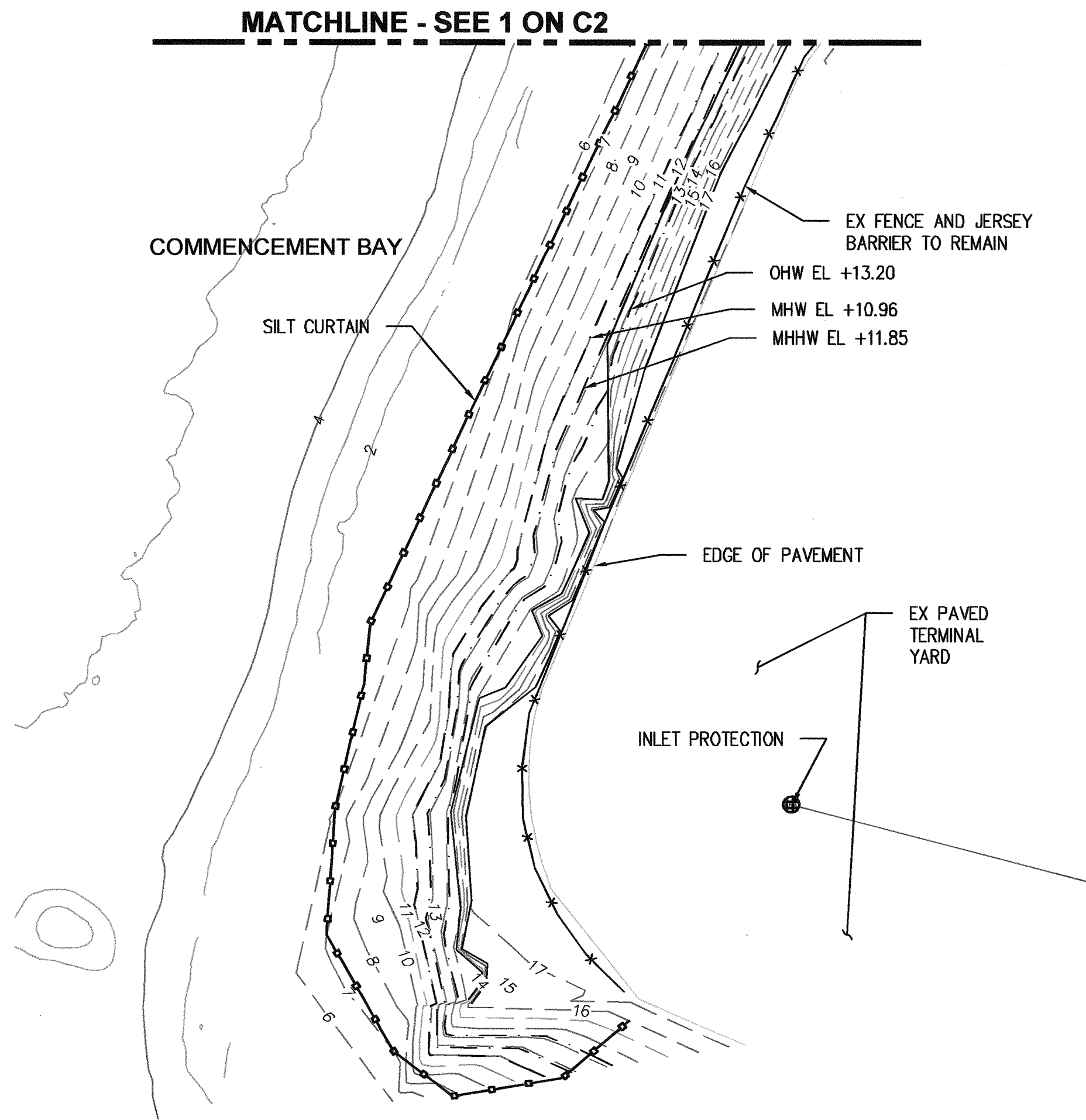
- INSERT SHALL BE INSTALLED IN ALL OPERATIONAL CATCH BASINS PRIOR TO CLEARING AND GRADING ACTIVITY, OR UPON PLACEMENT OF A NEW CATCH BASIN.
- FILTERS SHALL BE INSPECTED AFTER EACH STORM EVENT AND CLEANED OR REPLACED WHEN IT IS 1/3 FULL.
- SEDIMENT REMOVAL SHALL BE ACCOMPLISHED BY REMOVING THE INSERT, EMPTYING INTO APPROPRIATE DISPOSAL LOCATION, AND REINSERTING IT INTO THE CATCH BASIN.

6531 C1 SHEET 5 OF 25	PORT OF TACOMA SHORELINE STABILIZATION GENERAL AND TESC NOTES		APPROVED: <i>[Signature]</i> DATE: 9-8-15	SWK: 6/22/2015 CHECKED BY: <i>[Signature]</i> DATE: 6/22/2015	RCG: 6/22/2015 PROJ. ENGR. DATE: 6/22/2015	PRINTED BY: rchandler DATE: Jun 23, 2015	PORT ADDRESS: ONE SITCOM PLAZA TACOMA, WA 98401-1837	
	TOWNSHIP: 21 DAT-HRZ: NAD83/07		RANGE: 03 VERT: MLLW	SECTION: 34 DRAWING SCALE: AS NOTED				
	M. ID:		PARCEL: -					
	PHASE: FINAL							

 2407 North 31st Street, Suite 100 Tacoma, Washington 98407 (253) 986-0150 FAX (253) 986-0162 P.O. BOX 1007 TACOMA, WA 98401-0801	MARK:	REVISION:	BY:	DATE:
	APPR:			



1
C2
PLAN
SCALE: 1"=20'



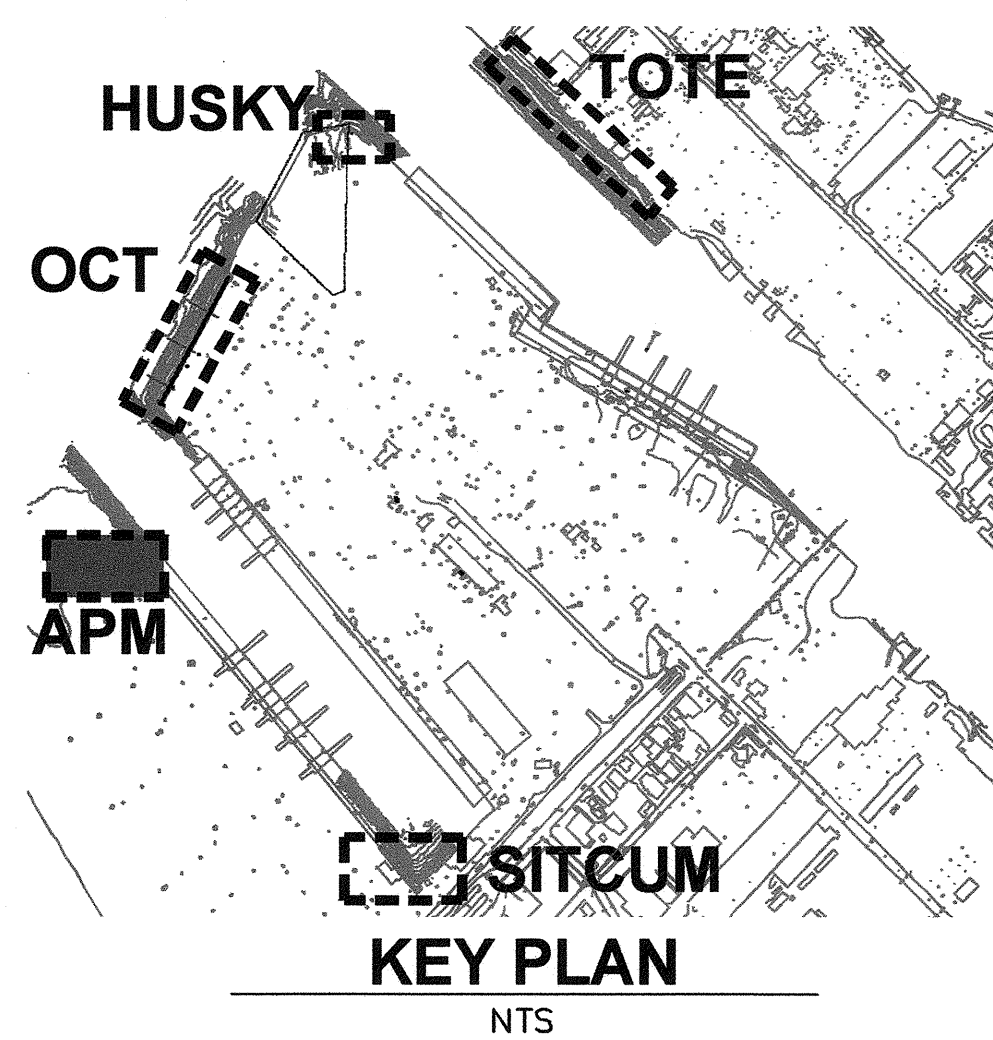
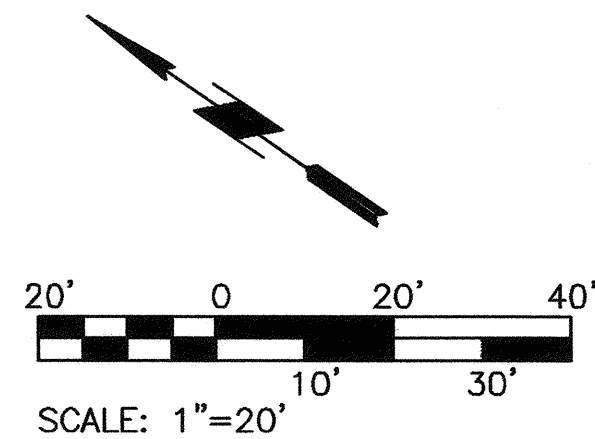
2
C2
PLAN
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LEGEND:

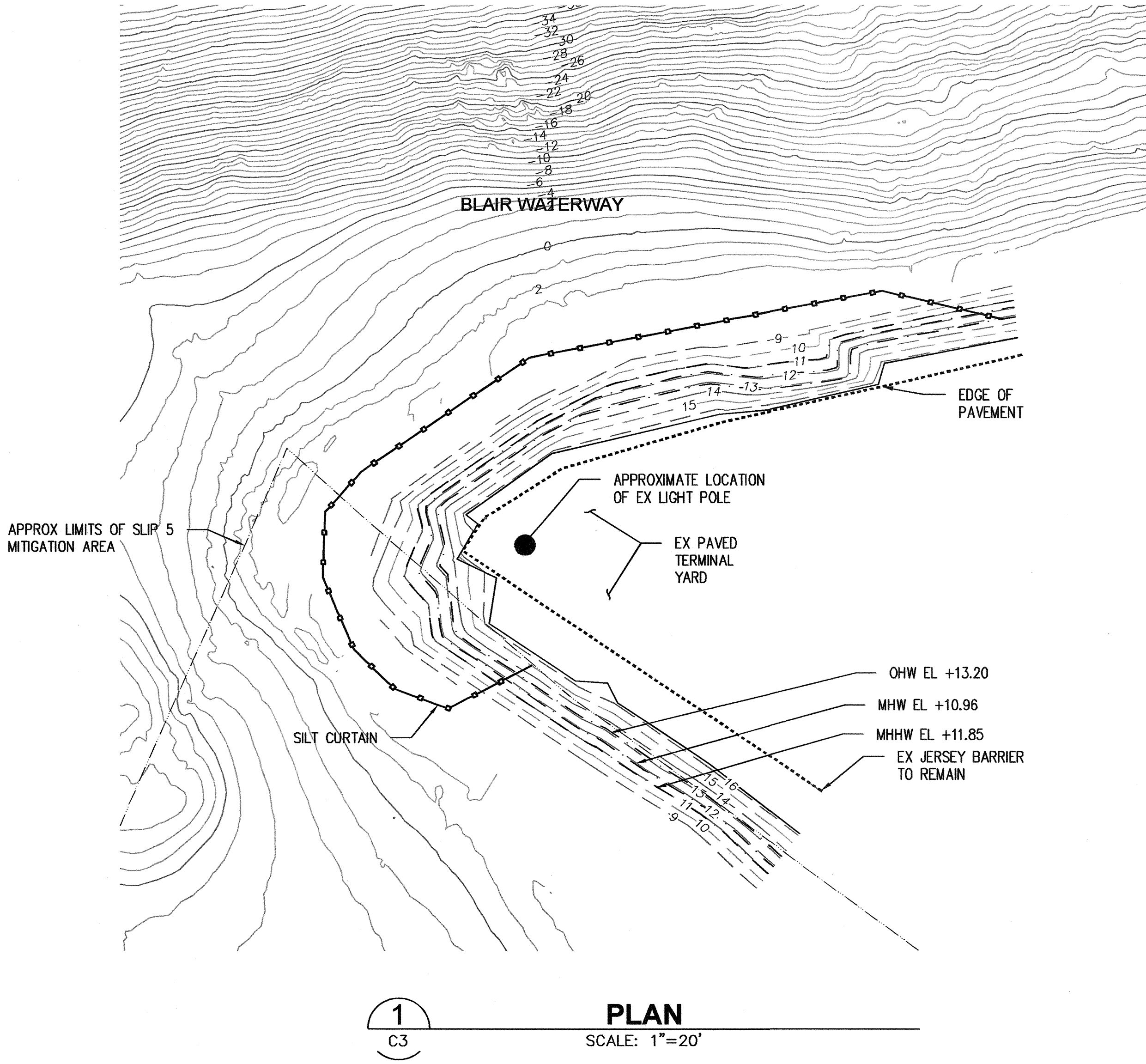
- EXISTING BUILDING
- EXISTING OVERWATER STRUCTURE
- SILT CURTAIN
- EXISTING GRADE, MINOR (KPFF SURVEY, 2013)
- EXISTING GRADE, MAJOR (KPFF SURVEY, 2013)
- EXISTING GRADE, MINOR (POT BATHOMETRY)
- EXISTING GRADE, MAJOR (POT BATHOMETRY)
- OHW/MHW/MHHW LINE
- EXISTING FENCE
- EXISTING EDGE OF PAVEMENT

NOTES:

- ORDINARY HIGH WATER IS APPROXIMATE AND IS BASED ON FIELD EXAMINATION.

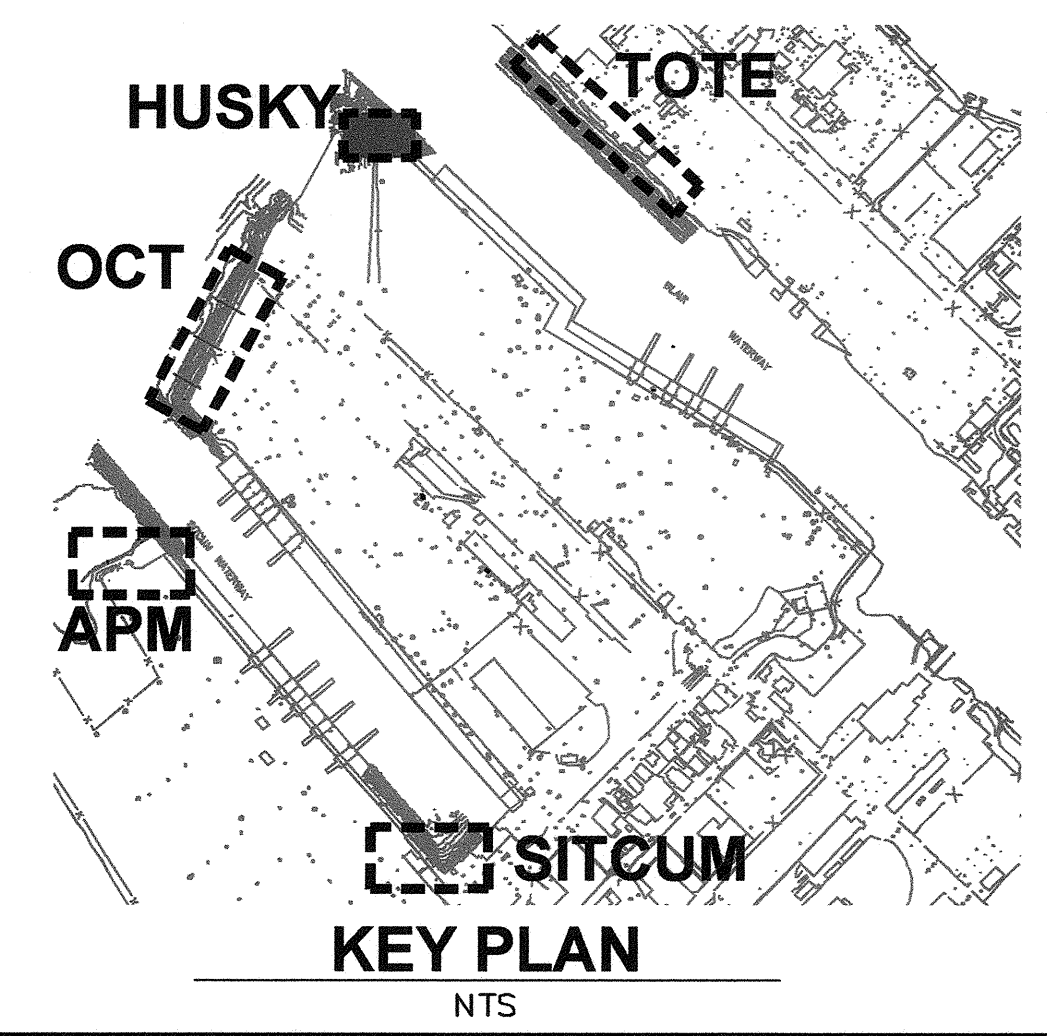
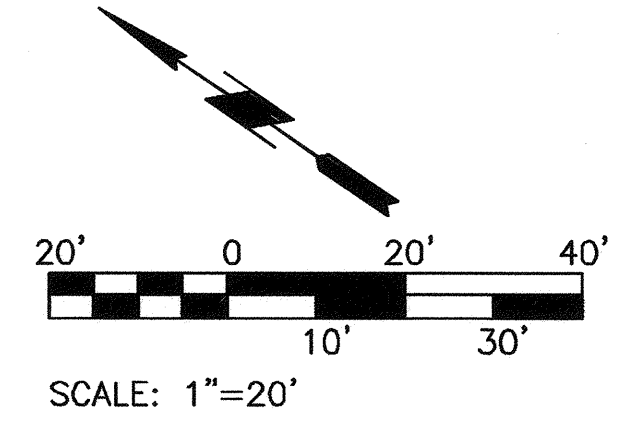


6531		PORT OF TACOMA				APPROVED: <i>[Signature]</i>		SWK 6/22/2015	
C2		SHORELINE STABILIZATION				9-8-15		CHECKED BY DATE	
SHEET 6 OF 25		DEMO AND TESC - APM				DIRECTOR ENG. DATE		RGC 6/22/2015	
CONT/CONS:		TOWNSHIP: 21		RANGE: 03		SECTION: 34		PROJ. ENGR DATE	
M. ID:		DAT-HRZ: NAD83/07		VERT: MLLW		PRINTED BY: rchandler Jun 23, 2015			
PHASE: FINAL		PARCEL: 8950000061		DRAWING SCALE: AS NOTED		PORT ADDRESS-ONE SITCOM PLAZA			
						TACOMA, WA 98401-1837			



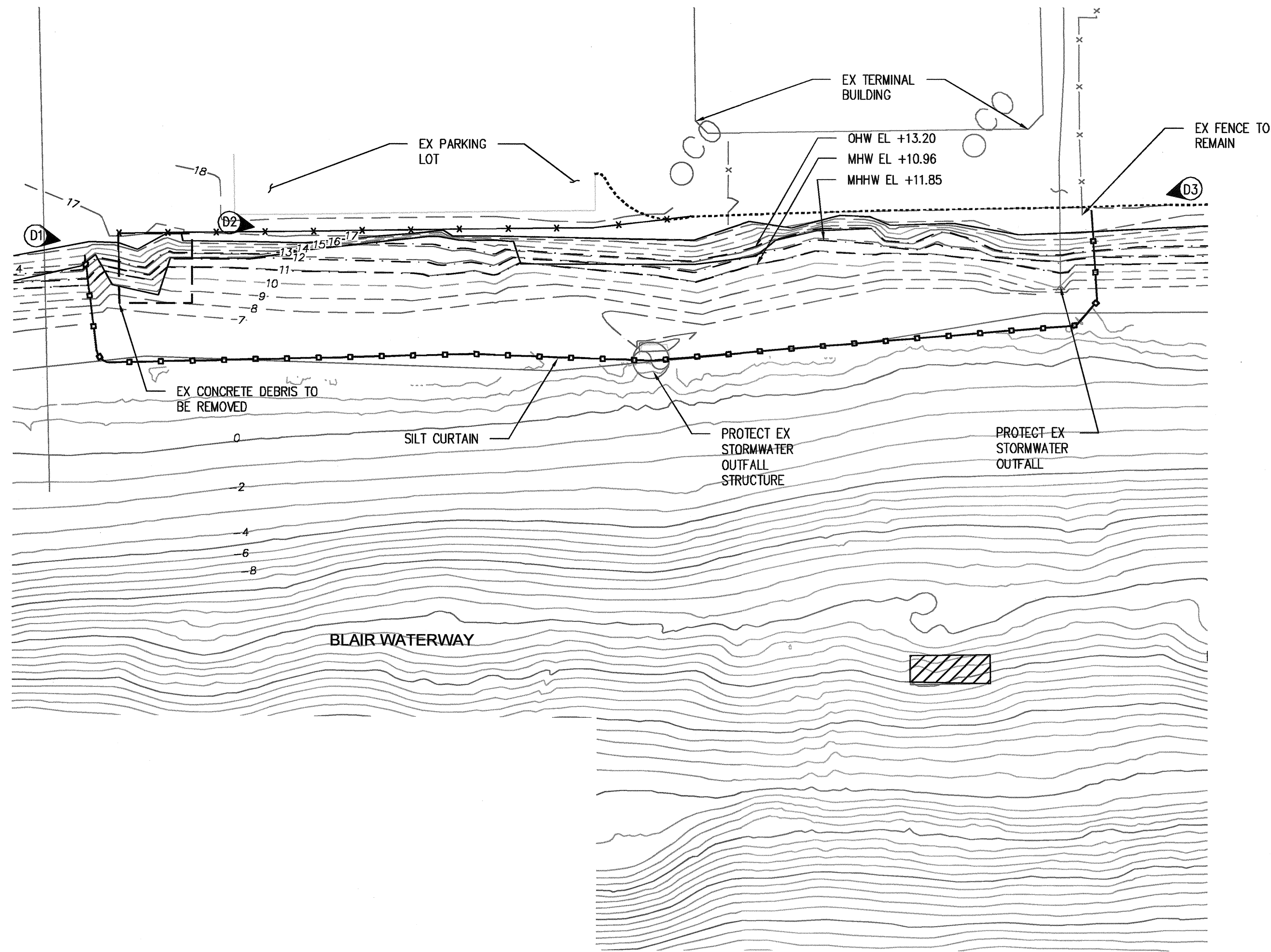
- LEGEND:**
- EXISTING BUILDING
 - EXISTING OVERWATER STRUCTURE
 - SILT CURTAIN
 - EXISTING GRADE, MINOR (KPFF SURVEY, 2013)
 - EXISTING GRADE, MAJOR (KPFF SURVEY, 2013)
 - EXISTING GRADE, MINOR (POT BATHEMETRY)
 - EXISTING GRADE, MAJOR (POT BATHEMETRY)
 - OHW/MHW/MHHW LINE
 - EXISTING FENCE
 - EXISTING EDGE OF PAVEMENT

- NOTES:**
- ORDINARY HIGH WATER IS APPROXIMATE AND IS BASED ON FIELD EXAMINATION.



6531 C3 SHEET 7 OF 25	PORT OF TACOMA SHORELINE STABILIZATION DEMO AND TESC - HUSKY				APPROVED: <i>[Signature]</i> SWK 6/22/2015	2407 North 31st Street, Suite 100 Tacoma, Washington 98407 (253) 396-0150 FAX (253) 396-0162	Part of Tacoma P.O. BOX 1007 TACOMA, WA 98401-0007			
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	DAT-HRZ: NAD83/07 VERT: MLLW				6/22/2015					
	PARCEL: 2275200610 DRAWING SCALE: AS NOTED				PRINTED BY: rchandler Jun 23, 2015 PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837					
CONT/CONS:		M. ID:		PHASE: FINAL		MARK:	REVISION:	BY:	APPR:	DATE:

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1
C5

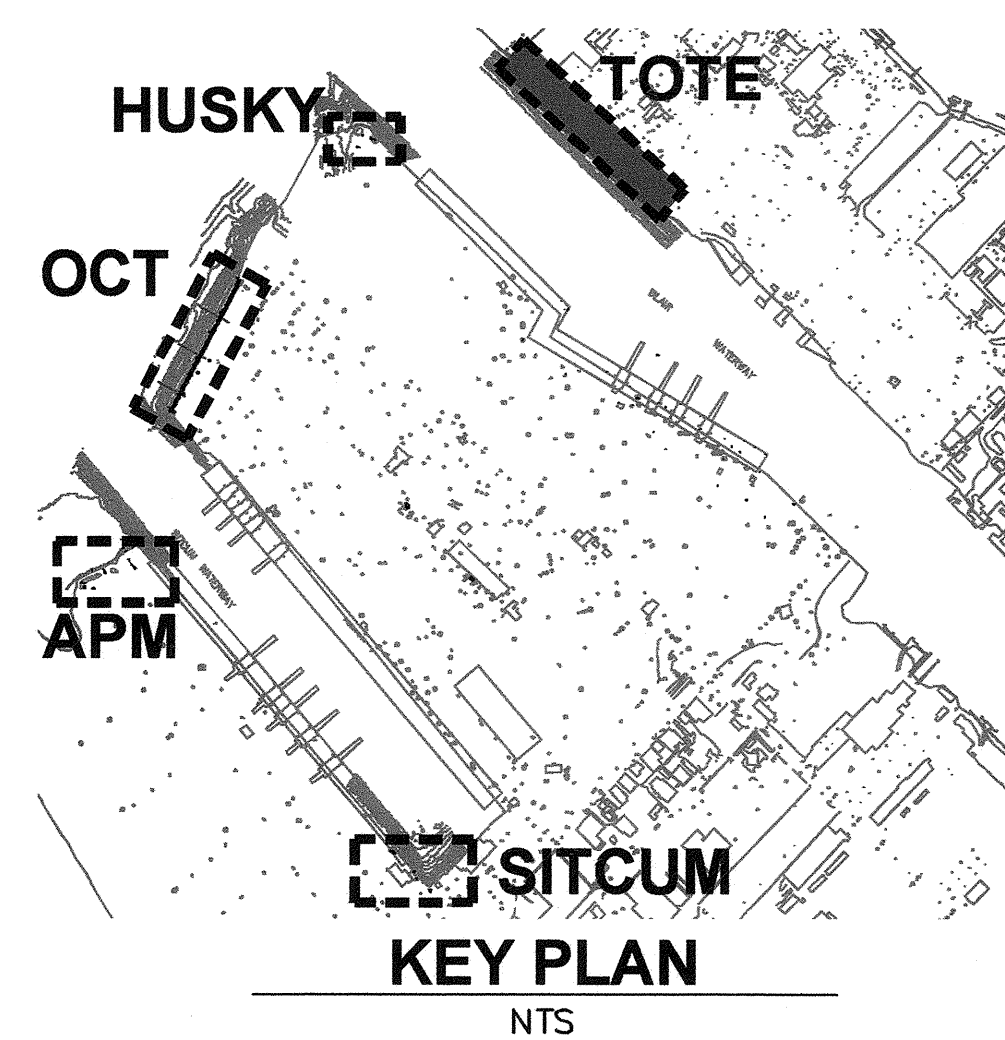
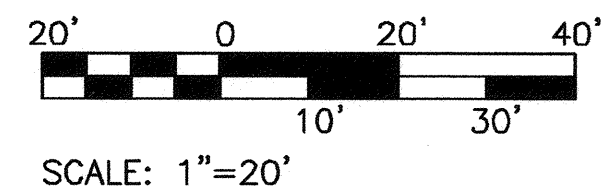
PLAN
SCALE: 1"=20'

LEGEND:

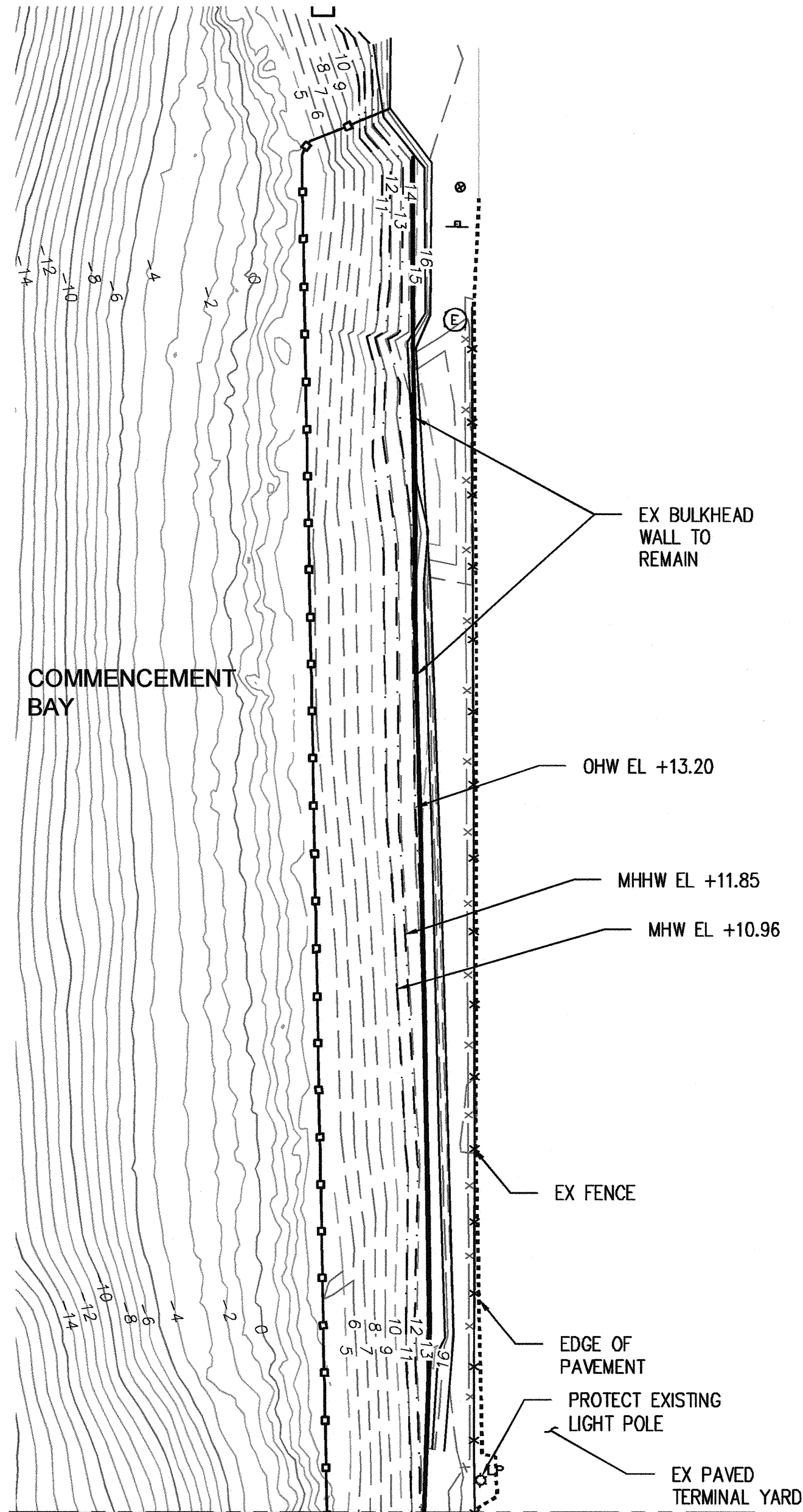
- EXISTING BUILDING
- EXISTING OVERWATER STRUCTURE
- SILT CURTAIN 1 C1
- EXISTING GRADE, MINOR (KPFF SURVEY, 2013)
- EXISTING GRADE, MAJOR (KPFF SURVEY, 2013)
- EXISTING GRADE, MINOR (POT BATHOMETRY)
- EXISTING GRADE, MAJOR (POT BATHOMETRY)
- OHW/MHW/MHHW LINE
- EXISTING FENCE
- EXISTING EDGE OF PAVEMENT

NOTES:

- ORDINARY HIGH WATER IS APPROXIMATE AND IS BASED ON FIELD EXAMINATION.



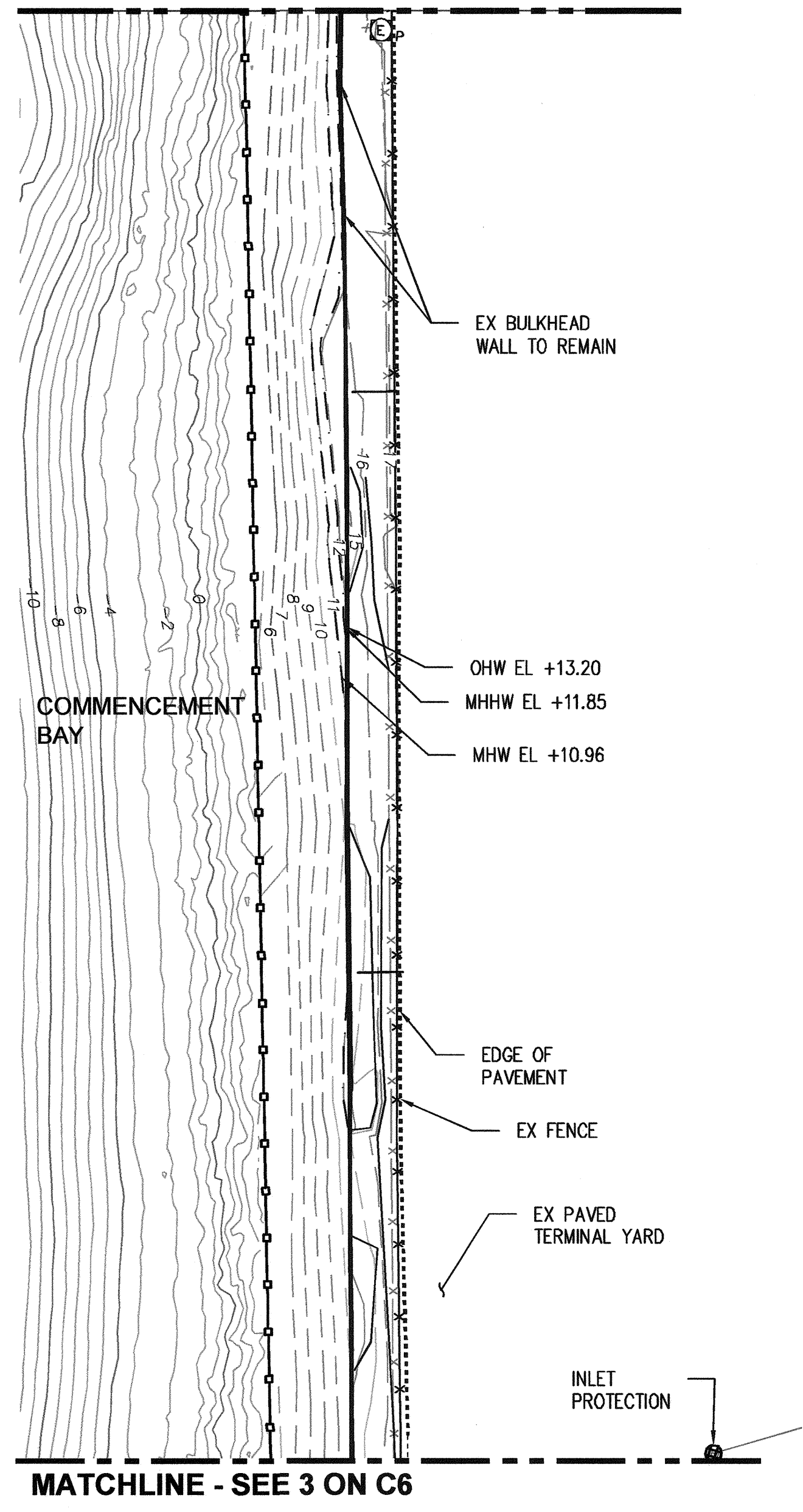
6531 C5 SHEET 9 OF 25 CONT/CONS: M. ID: PHASE: FINAL	PORT OF TACOMA SHORELINE STABILIZATION DEMO AND TESC - TOTE	APPROVED: <i>[Signature]</i> SWK 6/22/2015	CHECKED BY: DATE
		DIRECTOR ENG. DATE: 9-8-15	RG 6/22/2015
TOWNSHIP: 21		RANGE: 03	SECTION: 34
DAT-HRZ: NAD83/07		VERT: MLLW	
PARCEL: 500035001		DRAWING SCALE: AS NOTED	
TACOMA, WA 98401-1837		PRINTED BY: rchandler Jun 23, 2015	
PORT ADDRESS: ONE SITCUM PLAZA		DATE: 6/22/2015	
TACOMA, WA 98401-1837		BY: DATE:	
TACOMA, WA 98401-1837		APPR: DATE:	



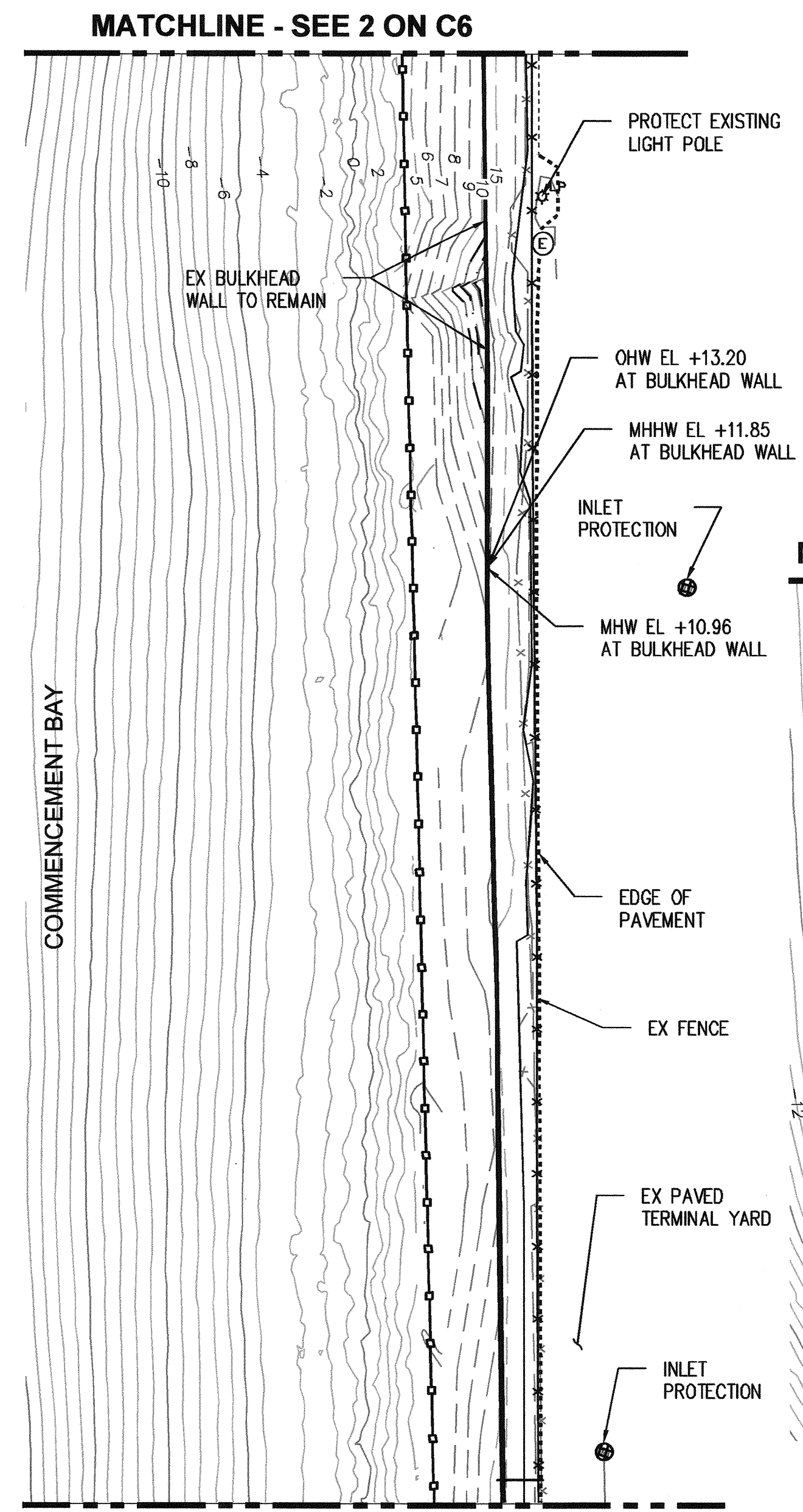
1
C6
PLAN
SCALE: 1"=20'

NOTES:

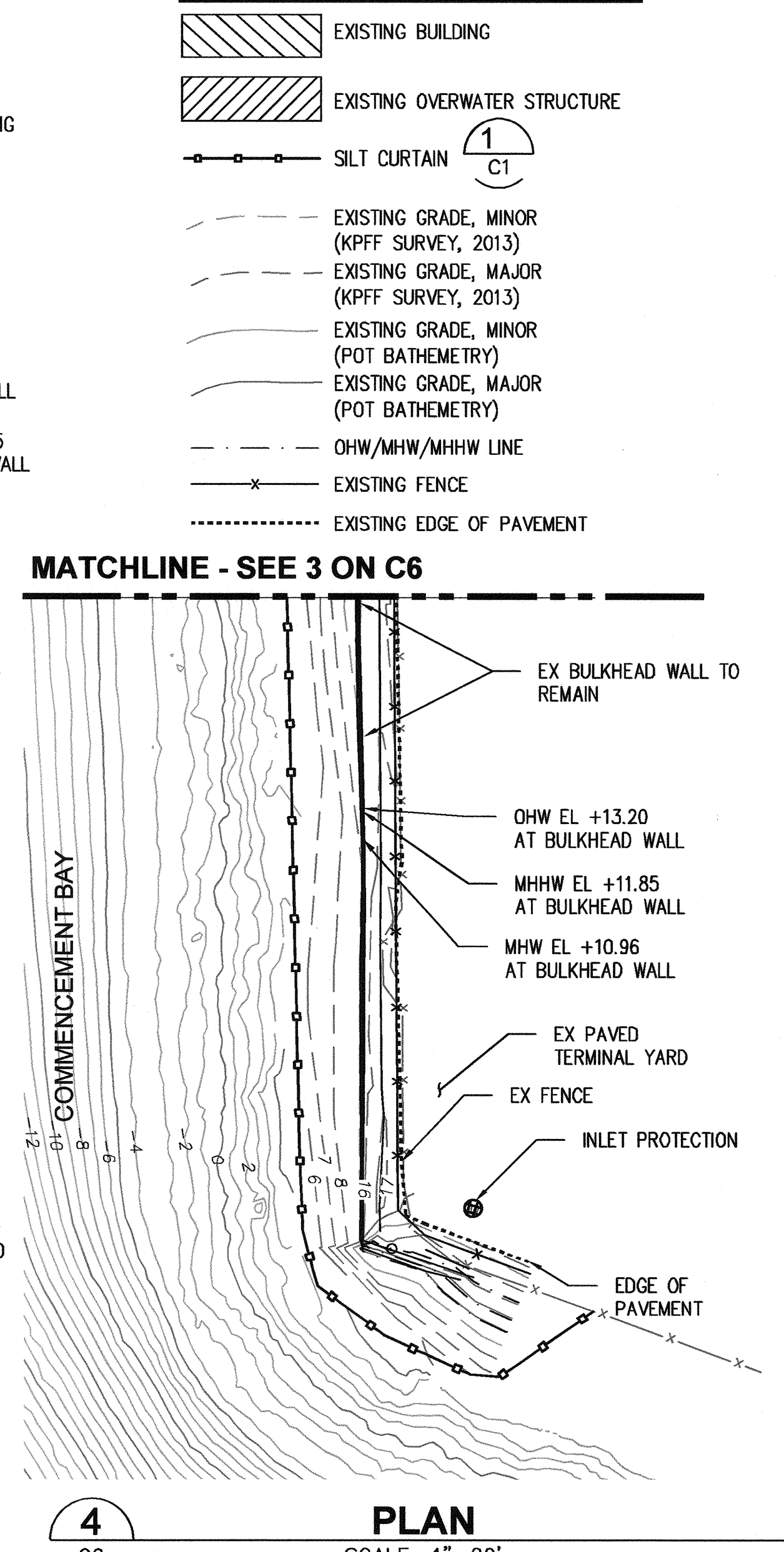
1. ORDINARY HIGH WATER IS APPROXIMATE AND IS BASED ON FIELD EXAMINATION.



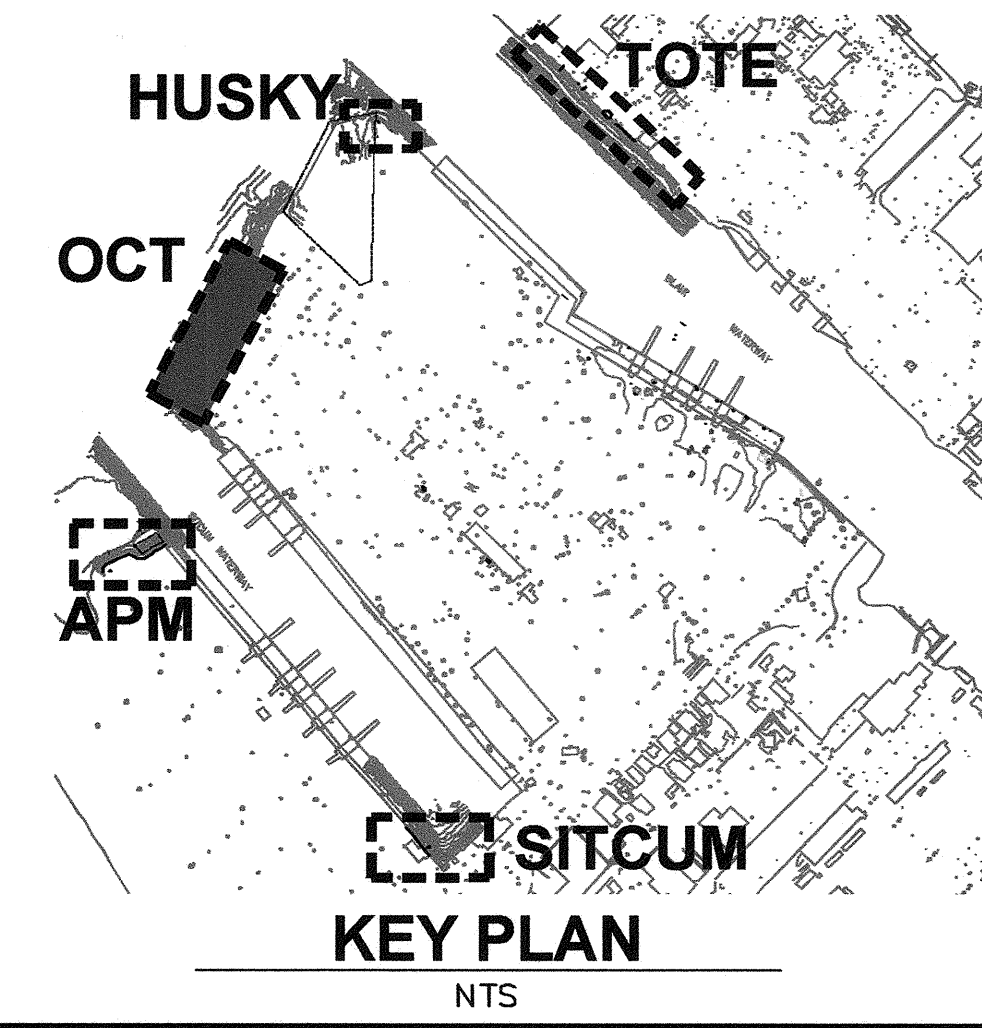
2
C6
PLAN
SCALE: 1"=20'



3
C6
PLAN
SCALE: 1"=20'



4
C6
PLAN
SCALE: 1"=20'



- LEGEND:**
- EXISTING BUILDING
 - EXISTING OVERWATER STRUCTURE
 - SILT CURTAIN
 - EXISTING GRADE, MINOR (KPFF SURVEY, 2013)
 - EXISTING GRADE, MAJOR (KPFF SURVEY, 2013)
 - EXISTING GRADE, MINOR (POT BATHOMETRY)
 - EXISTING GRADE, MAJOR (POT BATHOMETRY)
 - OHW/MHW/MHHW LINE
 - EXISTING FENCE
 - EXISTING EDGE OF PAVEMENT

6531 C6 SHEET 10 OF 25 CONT/CONS: M. ID: PHASE: FINAL	PORT OF TACOMA SHORELINE STABILIZATION DEMO AND TESC - OCT				APPROVED: <i>[Signature]</i> DIRECTOR ENG. DATE: 9-8-15 PRINTED BY: rchandler Jun 23, 2015 PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1637				MADE IN THE U.S.A. BY: <i>[Signature]</i> DATE: 6/22/2015				2407 North 31st Street, Suite 100 Tacoma, Washington 98407 (253) 396-0150 FAX (253) 396-0162				Port of Tacoma P.O. BOX 1887 TACOMA, WA 98401-0084			
	SWK				6/22/2015				CHECKED BY				DATE				APPR:			
	RGC				6/22/2015				PROJ. ENGR				BY:				DATE:			
	TOWNSHIP: 21				RANGE: 03				SECTION: 34				DRAWING SCALE: AS NOTED				REVISION:			

EX FENCE
TO REMAIN

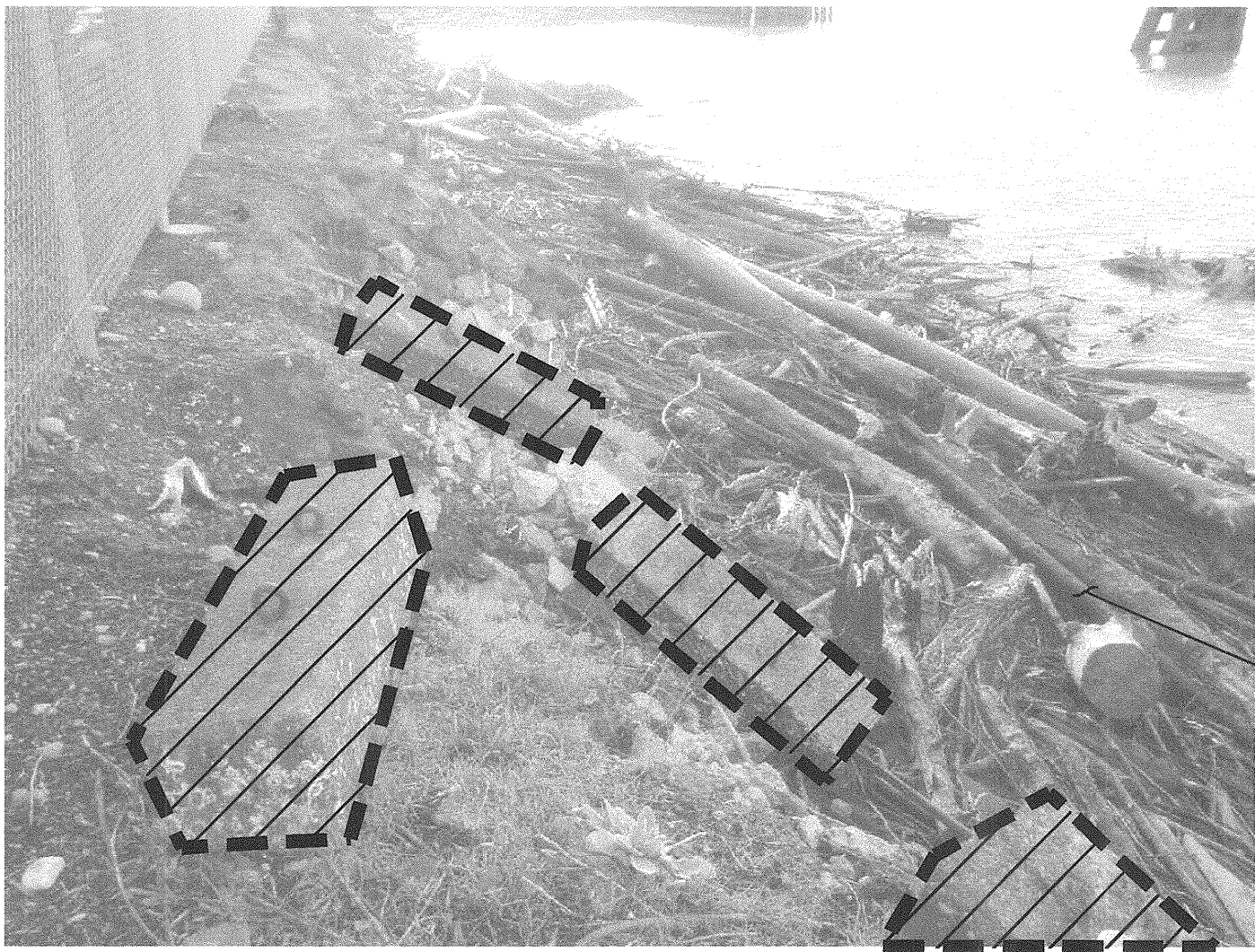


D1 PHOTO



D3 PHOTO

PROTECT STORMWATER
OUTFALL



WOOD DEBRIS PRESENT
AFTER STORM EVENT

NOTES:

- DEMOLITION BOUNDARY ILLUSTRATES APPROXIMATE EXTENTS OF ABOVE GROUND DEMOLITION AND DEBRIS REMOVAL. DEMOLITION AND DEBRIS REMOVAL INCLUDES MATERIAL ABOVE AND BELOW OHW.
- THE INTENT OF THE DEMOLITION PLAN AND PHOTOS ARE TO SHOW GENERAL SCOPE OF ITEMS TO BE DEMOLISHED. THE PHOTOS HIGHLIGHT ITEMS IN THE FOREGROUND TO BE DEMOLISHED. ITEMS IN THE BACKGROUND THAT ARE TO BE DEMOLISHED ARE NOT NECESSARILY IDENTIFIED.

LEGEND:



DEMOLITION BOUNDARY (SEE NOTE 1)



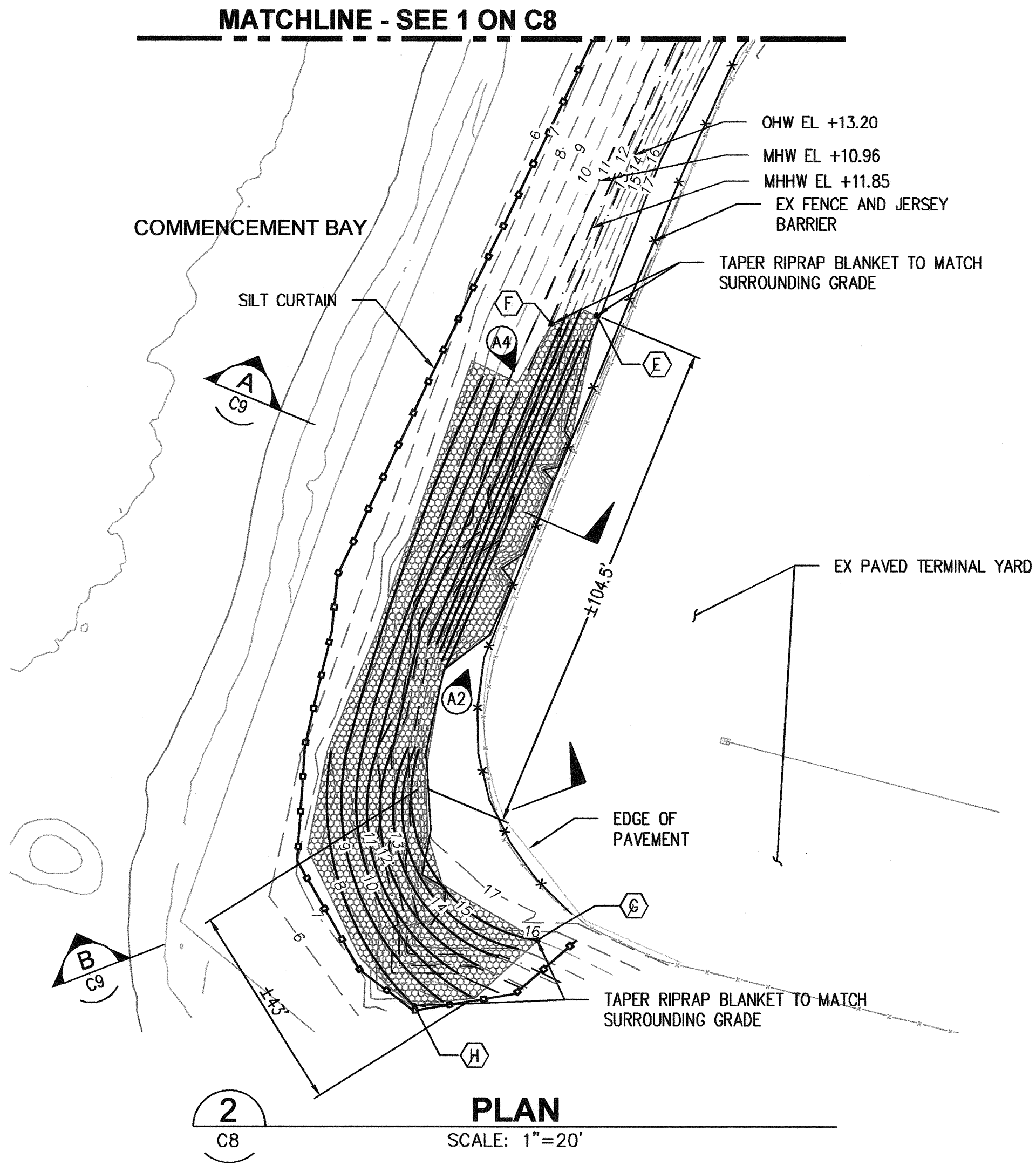
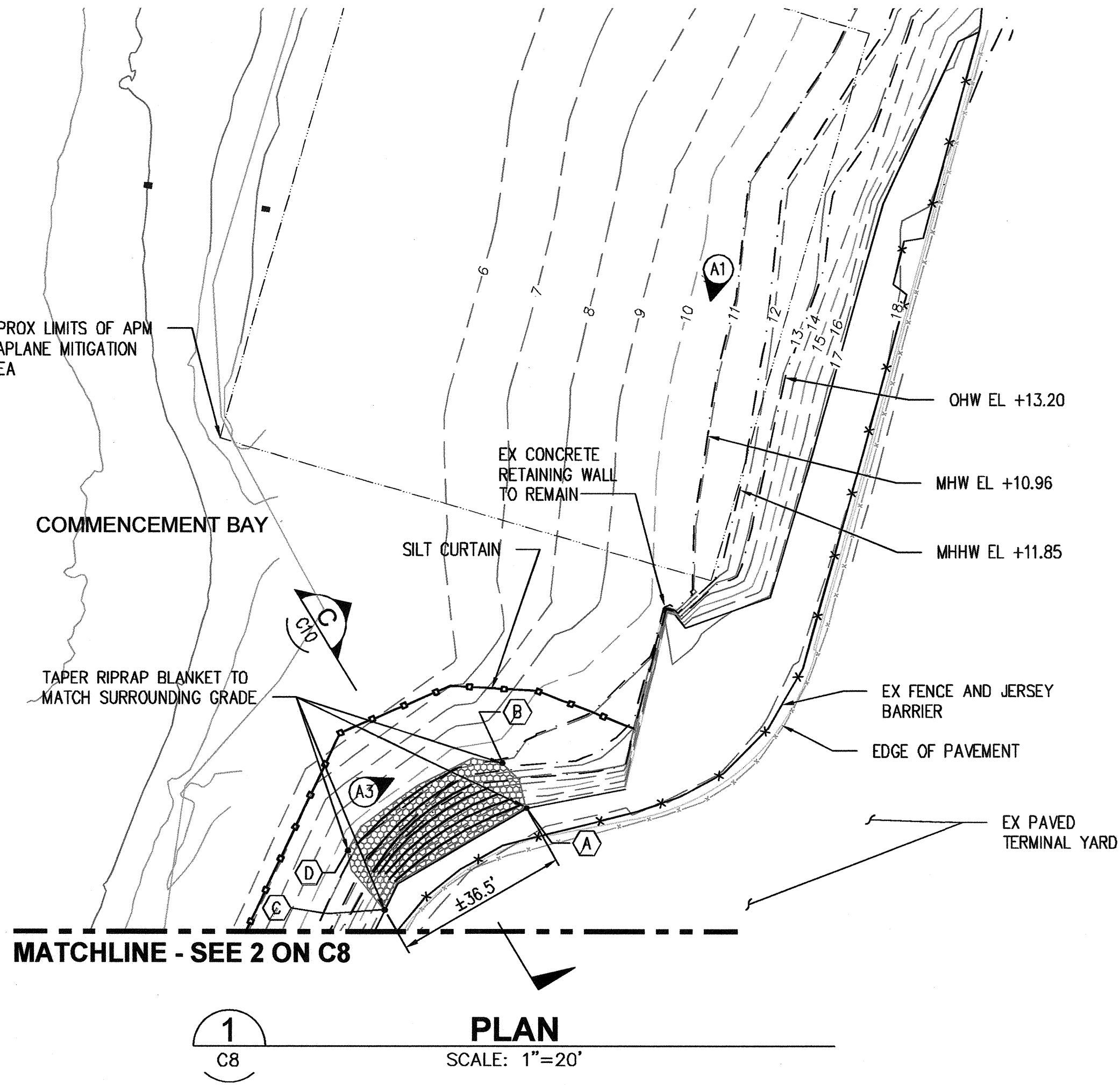
DEBRIS REMOVAL

6531 C7 SHEET 11 OF 25	PORT OF TACOMA SHORELINE STABILIZATION DEMO PHOTO SHEET				APPROVED: <i>[Signature]</i> DIRECTOR 9-8-15	SWK 6/22/2015	CHECKED BY RGC 6/22/2015	DATE 6/22/2015
	TOWNSHIP: 21 RANGE: 03 SECTION: 34				PROJ. ENGR Jun 23, 2015			
	DAT-HRZ: NAD83/07 VERT: MLLW				PRINTED BY: rchandler ONE SITCUM PLAZA			
	PARCEL: 8950200404 DRAWING SCALE: AS NOTED				TACOMA, WA 98401-1837			
CONT/CONS: M. ID: PHASE: FINAL		MARK: REVISION: BY: APPR: DATE:						

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Tacoma, Washington 98407
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P.O. BOX 187 TACOMA, WA 98401 (253) 596-0641

APM HORIZONTAL CONTROL TABLE		
	NORTHING	EASTING
A	712106	1163445
B	712006	1163247
C	712112	1163409
D	712126	1163412
E	712089	1163347
F	712094	1163339
G	712006	1163247
H	712014	1163219

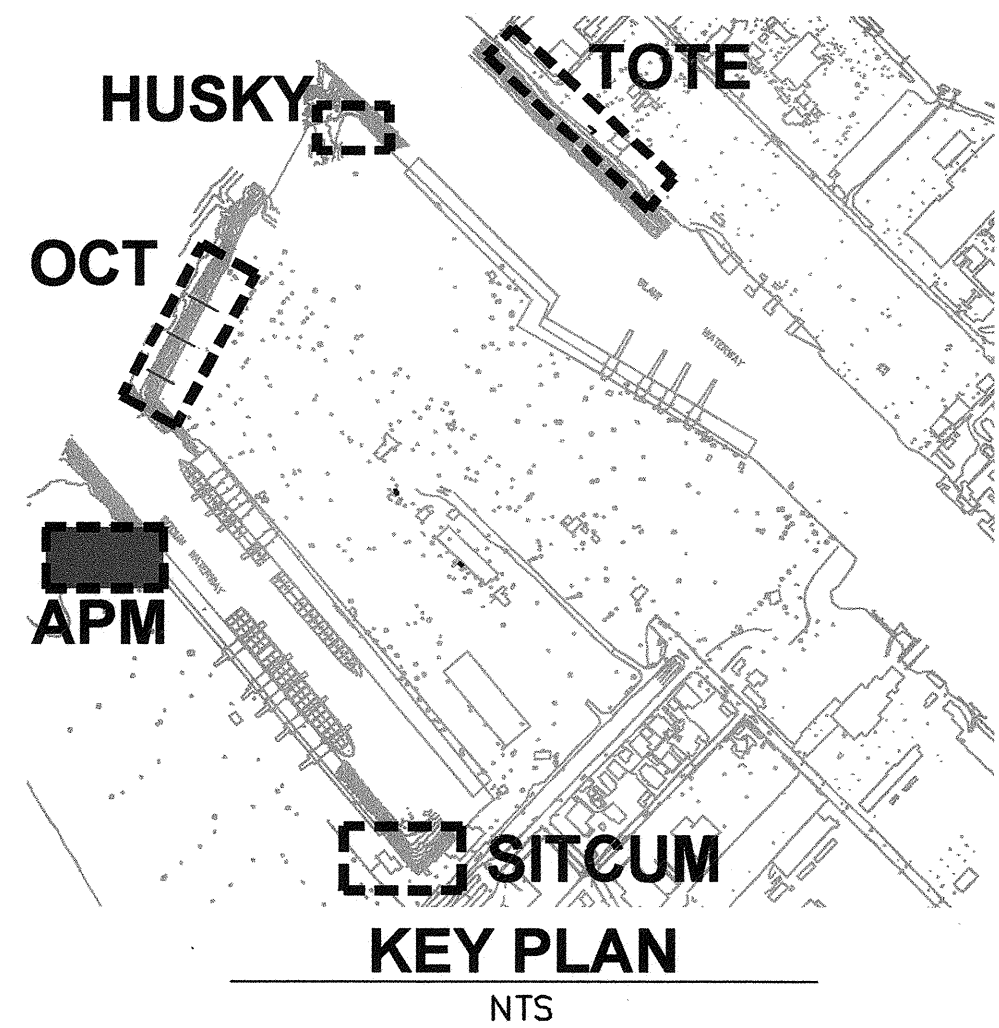
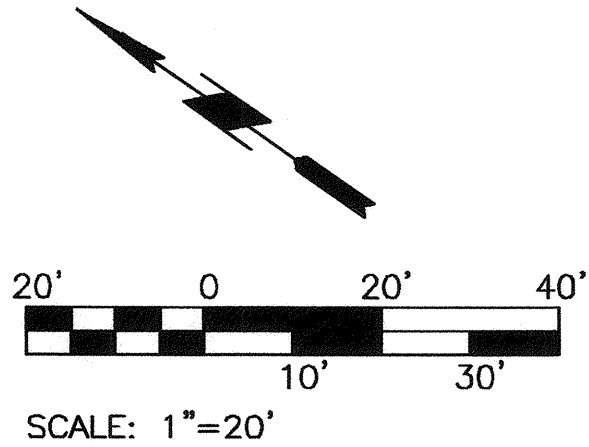


LEGEND:

- EXISTING BUILDING
- EXISTING OVERWATER STRUCTURE
- SILT CURTAIN
- PROPOSED GRADING
- RIPRAP RESTORATION
- EXISTING GRADE, MINOR (KPFF SURVEY, 2013)
- EXISTING GRADE, MAJOR (KPFF SURVEY, 2013)
- EXISTING GRADE, MINOR (POT BATHEMETRY)
- EXISTING GRADE, MAJOR (POT BATHEMETRY)
- OHW/MHW/MHHW LINE
- EXISTING FENCE
- EXISTING EDGE OF PAVEMENT
- PHOTO LOCATION

NOTES:

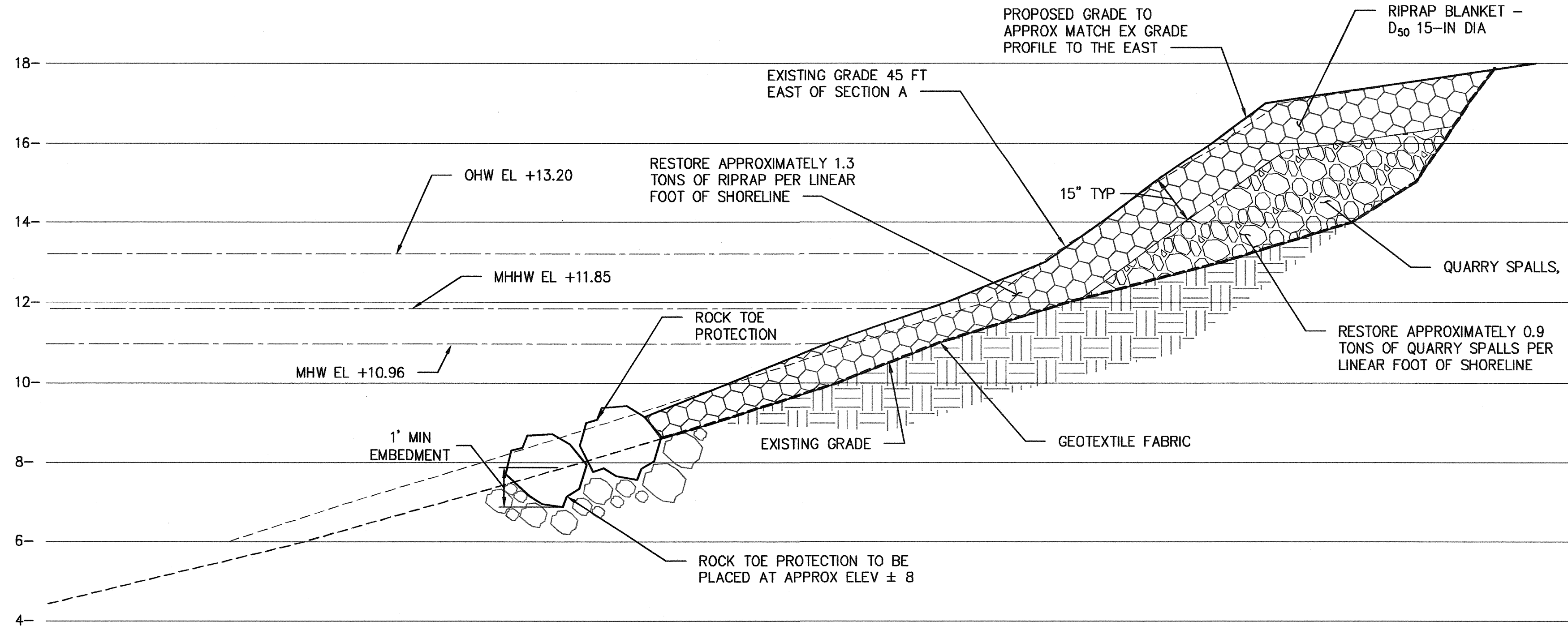
- CONTRACTOR SHALL FIELD MARK LIMITS OF RIPRAP REPLACEMENT A MINIMUM OF 7 DAYS PRIOR TO BEGINNING WORK, AND NOTIFY ENGINEER WHEN FIELD MARKING IS COMPLETE. ENGINEER SHALL REVIEW AND VERIFY FIELD MARKINGS WITHIN 4 DAYS OF NOTIFICATION.



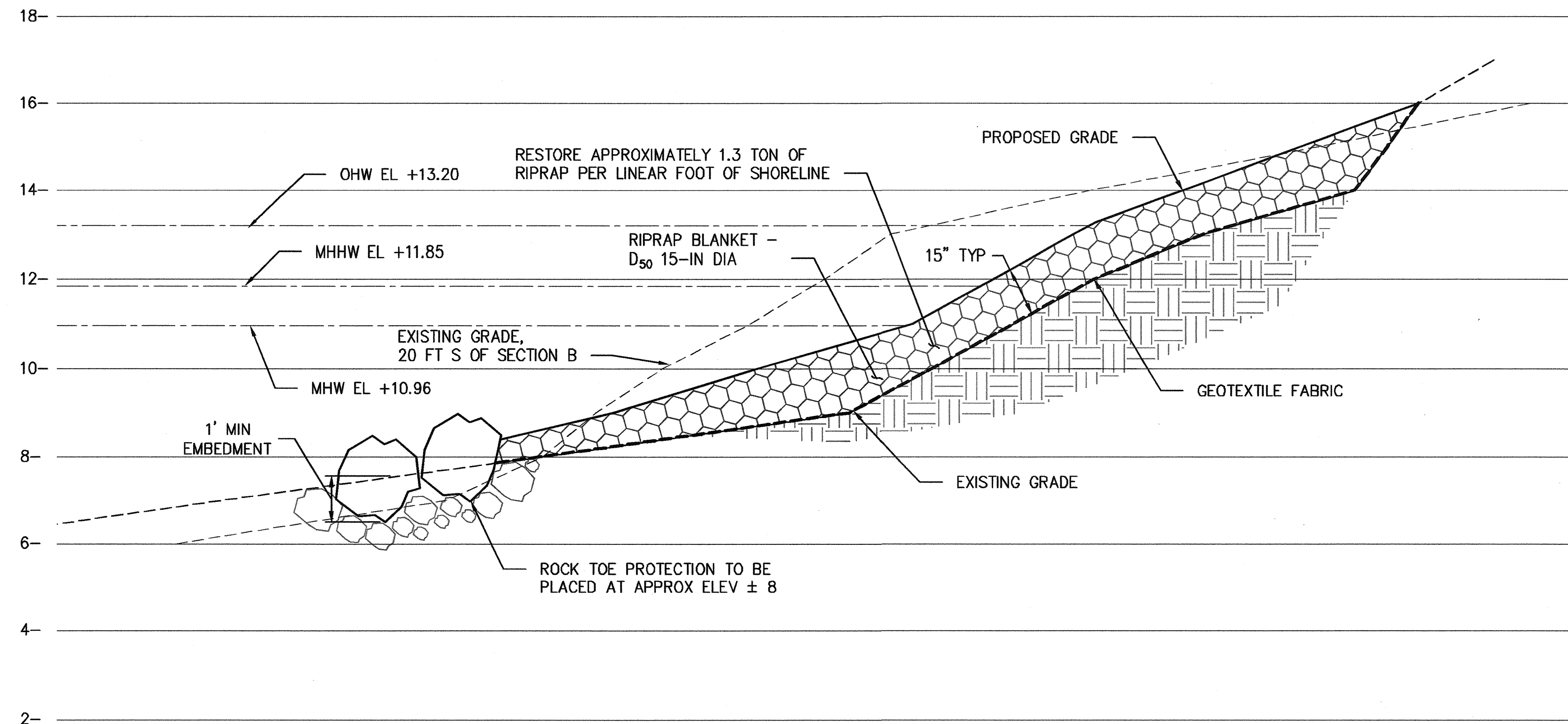
		2407 North 31st Street, Suite 100 Tacoma, Washington 98407 (253) 396-0150 Fax (253) 396-0152	
		MARK: REVISION:	BY: DATE:
		APPR: DATE:	
PORT OF TACOMA SHORELINE STABILIZATION PLAN - APM		TOWNSHIP: 21	RANGE: 03
SECTION: 34		DAT-HRZ: NAD83/07	VERT: MLLW
PARCEL: 895000061		DRAWING SCALE: AS NOTED	
6531 C8		SHEET 12 OF 25	
CONT/CONS:		PHASE: FINAL	

BINDING EDGE

PORT OF TACOMA FILE: N:\Civil\13-113161 Pot Bank Stabilization\Part 3 - KPFF Design\3.13 Drawings\13161-C9-10



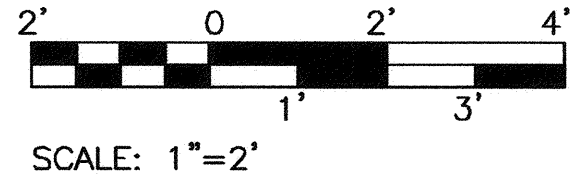
**CROSS SECTION:
RIPRAP BLANKET**
A
C9
1"=2'



**CROSS SECTION:
RIPRAP BLANKET**
B
C9
1"=2'

NOTES:

1. ROCK TOE PROTECTION SHALL BE EMBEDDED OR NESTED WITHIN EXISTING SLOPE PROTECTION ROCK SUCH THAT A MINIMUM EMBEDMENT OF 1 FOOT IS PROVIDED.



6531 C9 SHEET 13 OF 25	PORT OF TACOMA SHORELINE STABILIZATION PROFILE - APM		APPROVED: <i>[Signature]</i> DIRECTOR 9-8-15	SWK 6/22/2015
	TOWNSHIP: 21 DATE-HRZ: NAD83/07 PARCEL: 8950000061		SECTION: 34 VERT: MLLW DRAWING SCALE: AS NOTED	CHECKED BY: RGC PROJ. ENGR. DATE rehandler Jun 23, 2015 SITCUM PLAZA TACOMA, WA 98401-1837
CONT/CONS:		BY:		DATE:
M. ID:		REVISION:		MARK:
PHASE: FINAL				

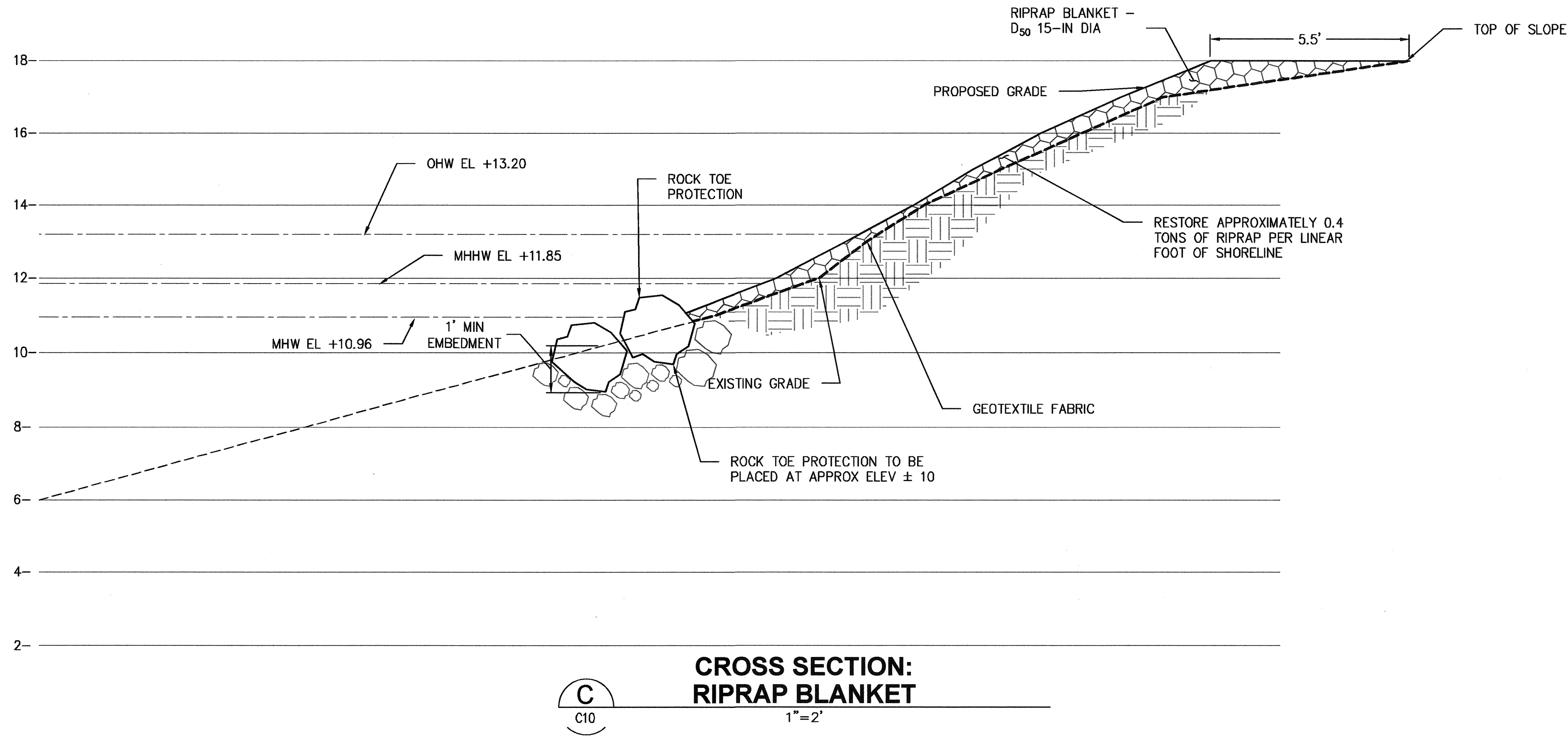
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Tacoma, Washington 98407
(253) 396-0150 FAX (253) 396-0162
P.O. BOX 1887 TACOMA, WA 98401-0188

Part of Tacoma

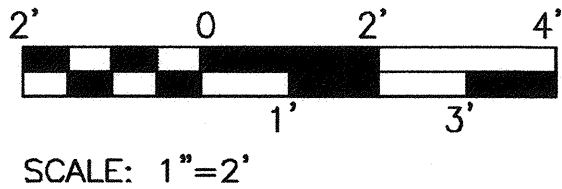
kpff

MADE IN WASHINGTON
REGISTERED PROFESSIONAL ENGINEER
6/22/15
32791

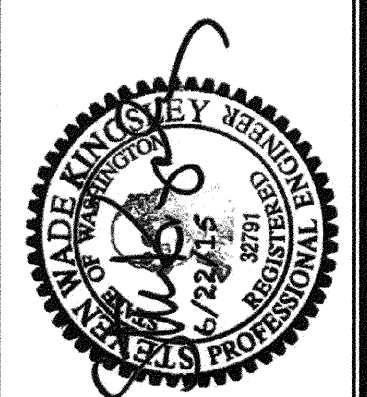
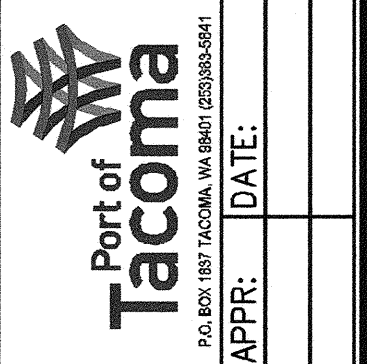
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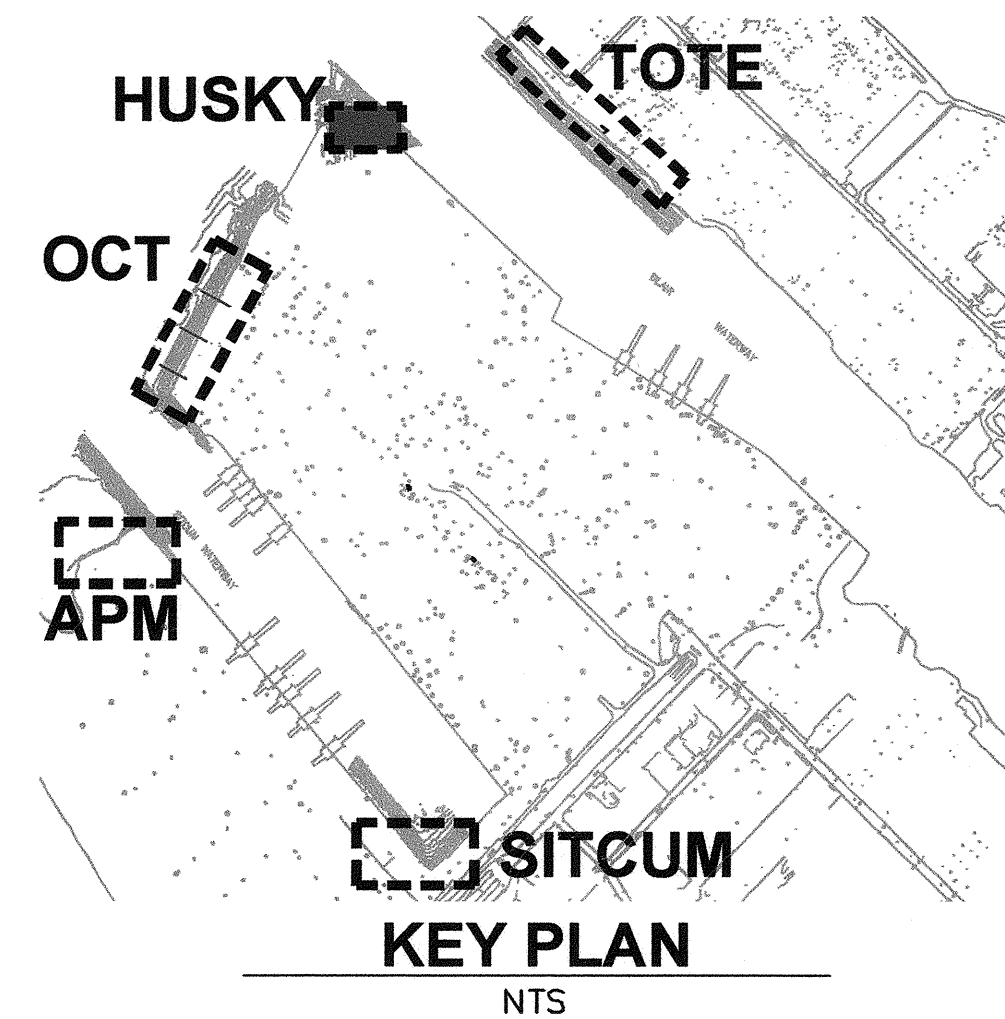


- NOTES:**
1. ROCK TOE PROTECTION SHALL BE EMBEDDED OR NESTED WITHIN EXISTING SLOPE PROTECTION ROCK SUCH THAT A MINIMUM EMBEDMENT OF 1 FOOT IS PROVIDED.

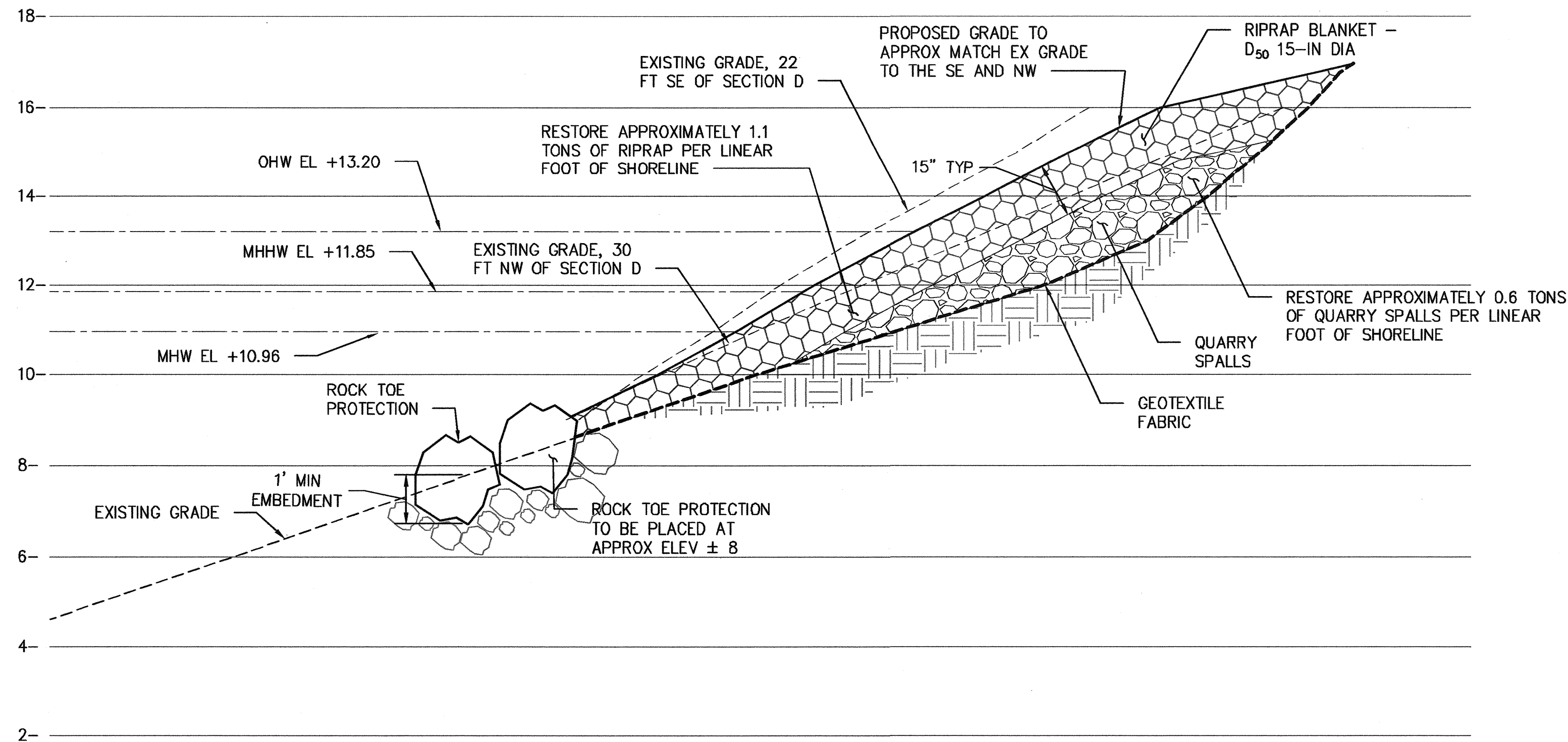


6531 C10 SHEET 14 OF 25	PORT OF TACOMA SHORELINE STABILIZATION PROFILE - APM				APPROVED: <i>[Signature]</i> DIRECTOR 9-8-15	SWK 6/22/2015
					CHECKED BY: <i>[Signature]</i> RGC 6/22/2015	
	TOWNSHIP: 21	RANGE: 03	SECTION: 34	DATE: 6/22/2015		
	DAT-HRZ: NAD83/07 VERT: MLLW			PRINTED BY: rchandler Jun 23, 2015		
PARCEL: 895000061			DRAWING SCALE: AS NOTED			PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837
M. ID:			MARK: REVISION:			BY:
PHASE: FINAL			APPR: DATE:			

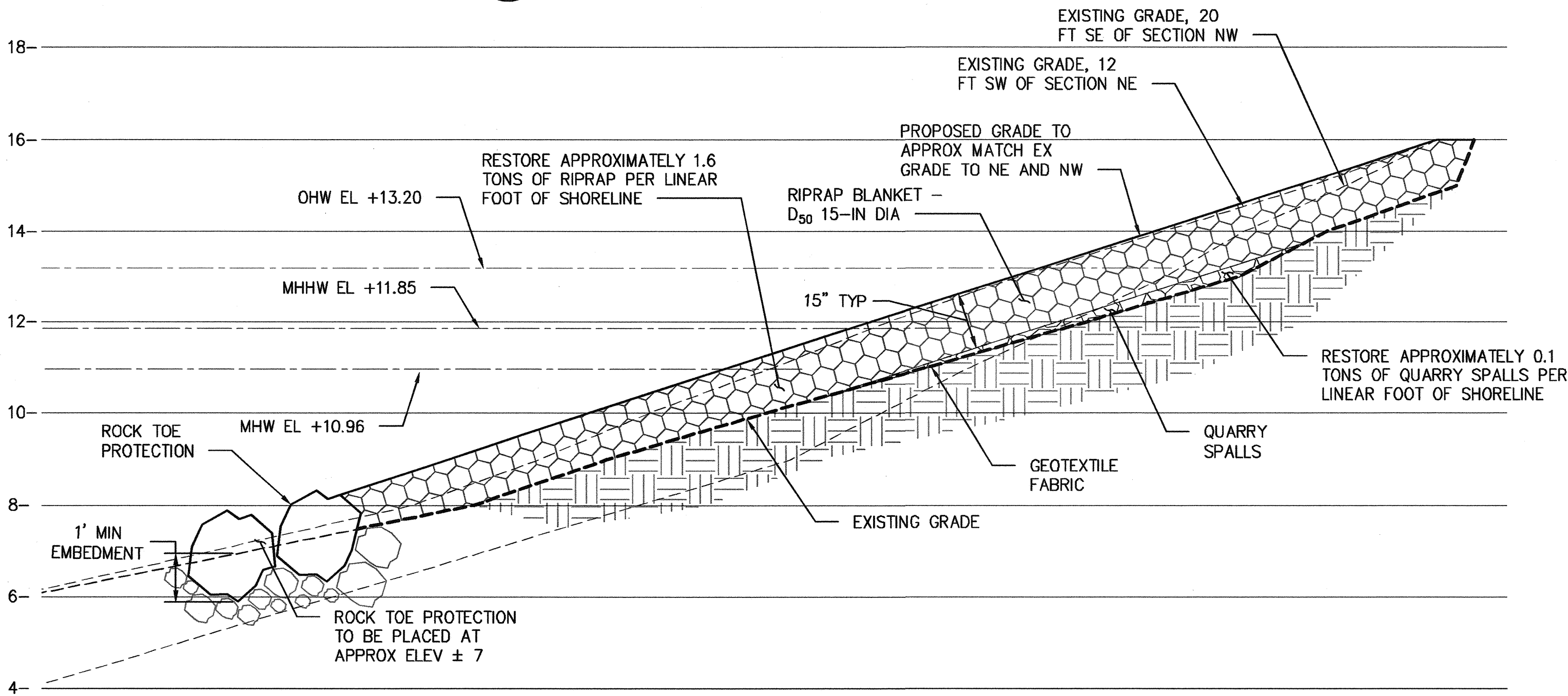




HUSKY HORIZONTAL CONTROL TABLE		
	NORTHING	EASTING
	714793	1164929
	714782	1164951
	714822	1164967
	714798	1164972
	714783	1165034
	714767	1165020
	714750	1165068
	714738	1165057



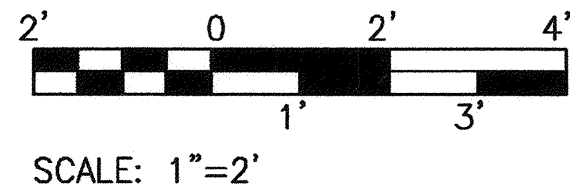
**CROSS SECTION:
RIPRAP BLANKET**
D
C12
1"=2'



**CROSS SECTION:
RIPRAP BLANKET**
E
C12
1"=2'

NOTES:

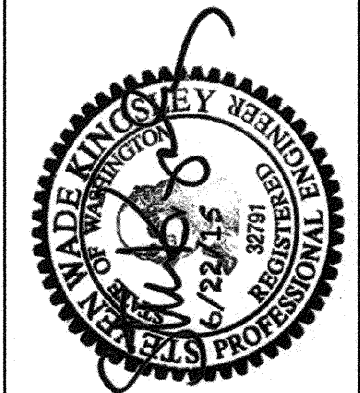
1. ROCK TOE PROTECTION SHALL BE EMBEDDED OR NESTED WITHIN EXISTING SLOPE PROTECTION ROCK SUCH THAT A MINIMUM EMBEDMENT OF 1 FOOT IS PROVIDED.



6531
C12
SHEET 16 OF 25

**PORT OF TACOMA
SHORELINE STABILIZATION
PROFILE - HUSKY**

CONT/CONS:	TOWNSHIP: 21	RANGE: 03	SECTION: 34
M. ID:	DAT-HRZ: NAD83/07	VERT: MLLW	
PHASE: FINAL	PARCEL: 2275200610	DRAWING SCALE: AS NOTED	



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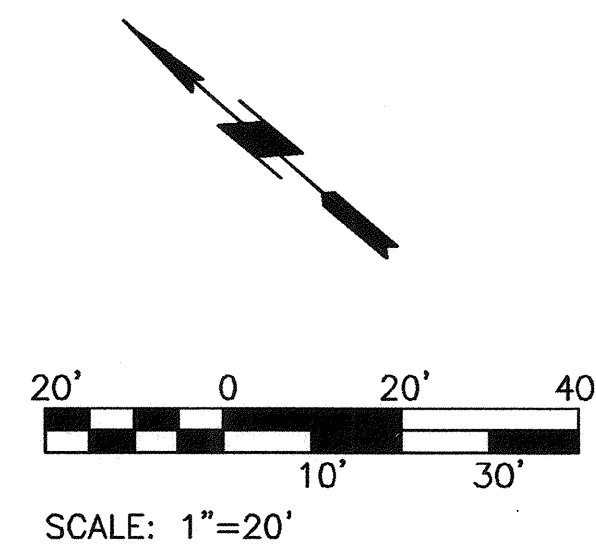
Port of Tacoma
P.O. BOX 1837 TACOMA, WA 98401-1837

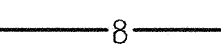
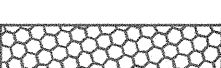
MARK:	REVISION:	BY:	DATE:

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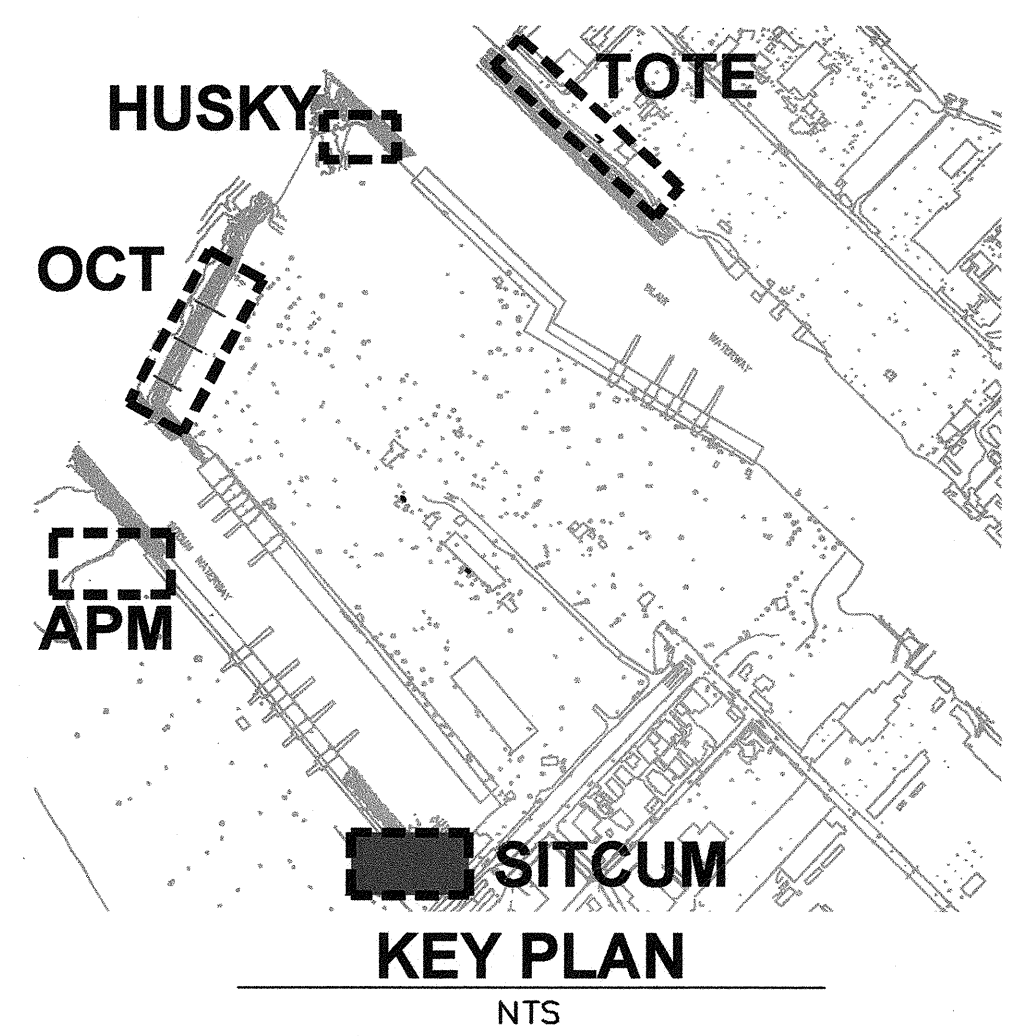


SITCUM HORIZONTAL CONTROL TABLE		
	NORTHING	EASTING
A	710410	1165161
B	710395	1165139
C	710318	1165240
D	710303	1165222
E	710254	1165262
F	710267	1165277
G	710210	1165301
H	710222	1165315
I	710146	1165393
J	710161	1165384
K	710134	1165373
L	710188	1165350

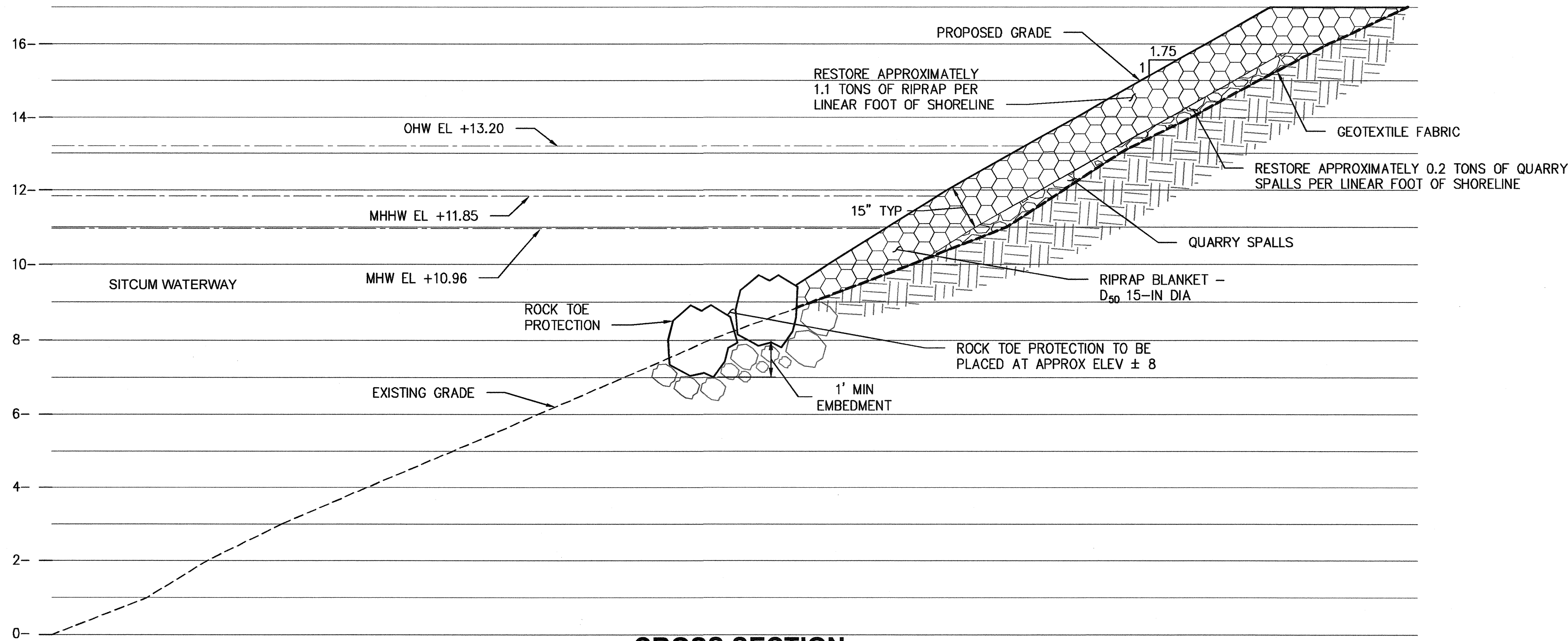


- # LEGEND:
- | | |
|---|--|
|  | EXISTING BUILDING |
|  | EXISTING OVERWATER STRUCTURE |
|  | SILT CURTAIN |
|  | PROPOSED GRADING |
|  | RIPRAP RESTORATION |
|  | EXISTING GRADE, MINOR
(KPFF SURVEY, 2013) |
|  | EXISTING GRADE, MAJOR
(KPFF SURVEY, 2013) |
|  | EXISTING GRADE, MINOR
(POT BATHOMETRY) |
|  | EXISTING GRADE, MAJOR
(POT BATHOMETRY) |
|  | OHW/MHW/MHHW LINE |
|  | EXISTING FENCE |
|  | EXISTING EDGE OF PAVEMENT |
|  | PHOTO LOCATION |

- ## **NOTES:**
-
1. CONTRACTOR SHALL FIELD MARK LIMITS OF RIPRAP REPLACEMENT A MINIMUM OF 7 DAYS PRIOR TO BEGINNING WORK, AND NOTIFY ENGINEER WHEN FIELD MARKING IS COMPLETE. ENGINEER SHALL REVIEW AND VERIFY FIELD MARKINGS WITHIN 4 DAYS OF NOTIFICATION.



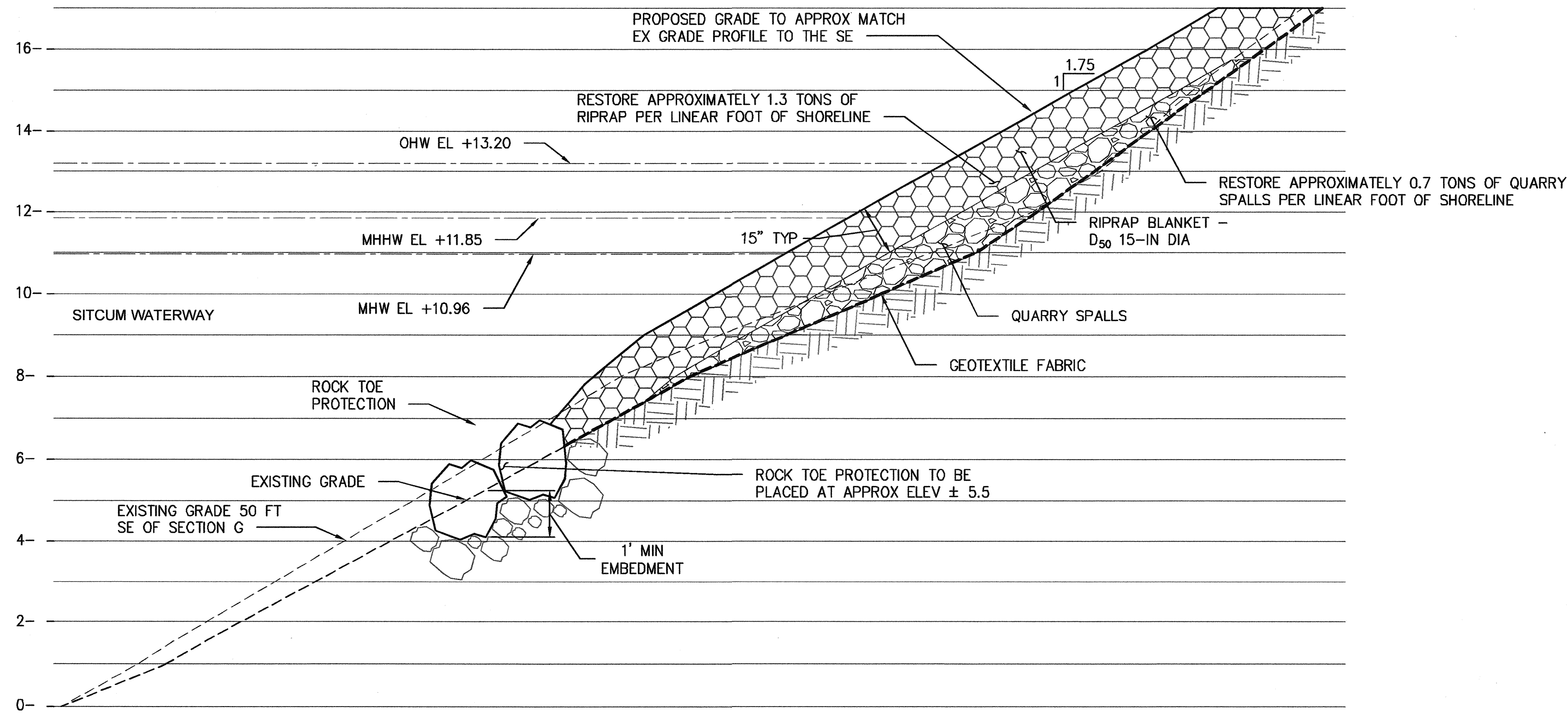
6531 C13 SHEET 17 OF 25	PORT OF TACOMA SHORELINE STABILIZATION PLAN - SITCUM				APPROVED: <i>[Signature]</i> 4-8-15	SWK 6/22/2015		2407 North 31st Street, Suite 100 Tacoma, WA 98401-3837 (253) 396-0150 Fax (253) 396-0162	Part of Tacoma P.O. BOX 187 TACOMA, WA 98401 253838461	
	TOWNSHIP: 21 DAT-HRZ: NAD83/07	RANGE: 03 VERT: MLLW	SECTION: 34	DIRECTOR ENG. DATE PRINTED BY: rchander PORT ADDRESS: ONE SITCUM PLAZA	PROJ. ENGR DATE Jun 23, 2015	MARK: REVISION:				BY:
	CONTRACT/CONS:	DRAWING SCALE: AS NOTED	DATE:	APPR:	DATE:					
	M. ID:	PHASE: FINAL	DATE:	APPR:	DATE:					



**CROSS SECTION:
RIPRAP BLANKET**

F
C14

1"=2'



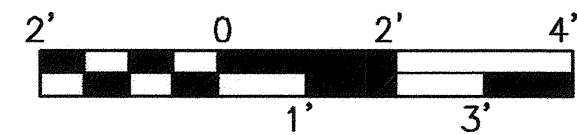
**CROSS SECTION:
RIPRAP BLANKET**

G
C14

1"=2'

NOTES:

1. ROCK TOE PROTECTION SHALL BE EMBEDDED OR NESTED WITHIN EXISTING SLOPE PROTECTION ROCK SUCH THAT A MINIMUM EMBEDMENT OF 1 FOOT IS PROVIDED.



SCALE: 1"=2'

6531

C14

SHEET 18 OF 25

CONT/CONS:

M. ID:

PHASE: FINAL

**PORT OF TACOMA
SHORELINE STABILIZATION
PROFILE - SITCUM**

TOWNSHIP: 21

DAT-HRZ: NAD83/07

PARCEL: 895000061

RANGE: 03

VERT: MLLW

DRAWING SCALE: AS NOTED

SECTION: 34

APPROVED: *[Signature]*

SWK 6/22/2015

CHECKED BY DATE

RGC 6/22/2015

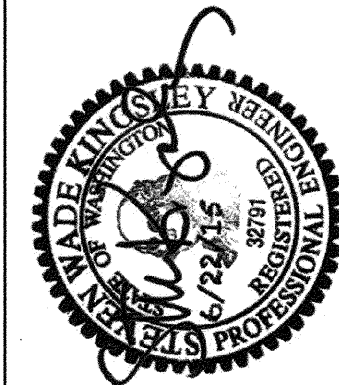
PROJ. ENGR DATE

DIRECTOR ENG. DATE: 9-8-15

PRINTED BY: rchandler Jun 23, 2015

PORT ADDRESS: ONE SITCUM PLAZA

TACOMA, WA 98401-1837



kpff

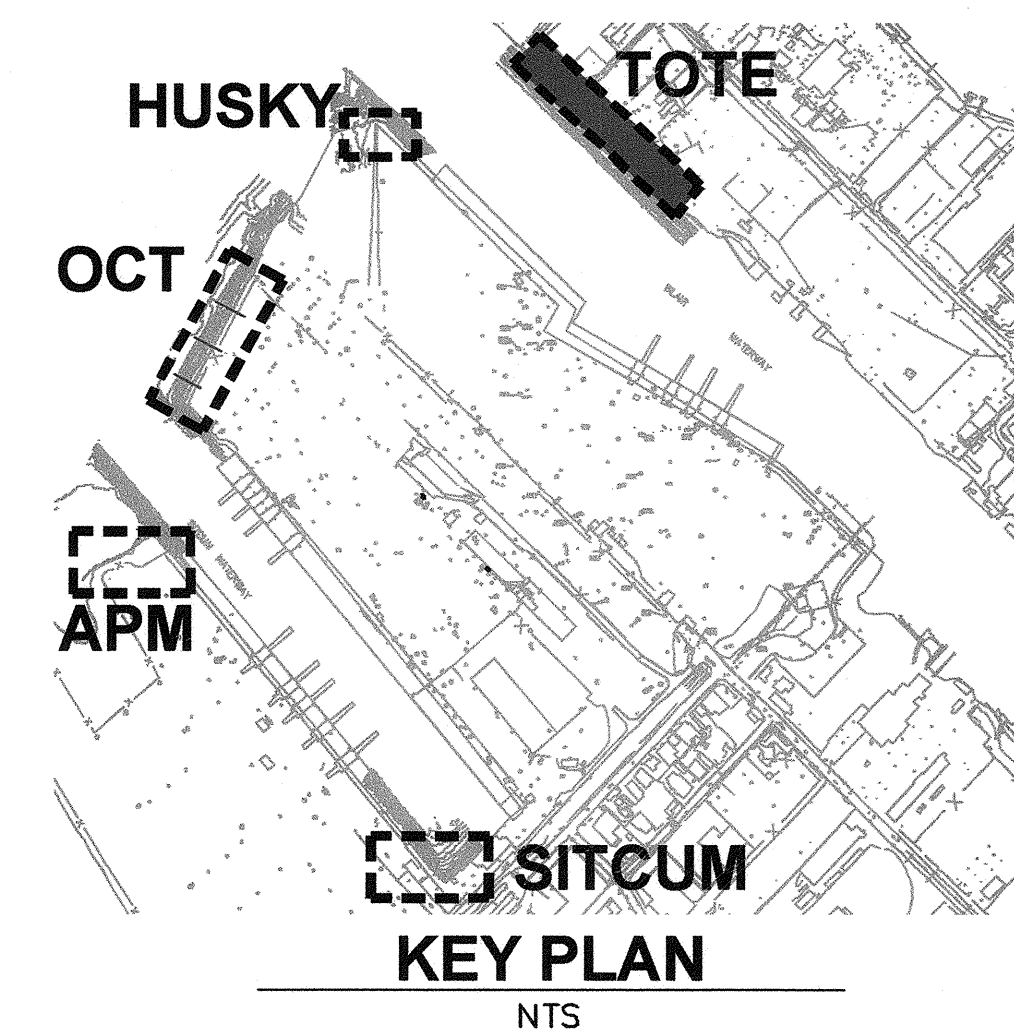
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MARK: REVISION:

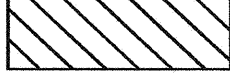
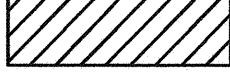
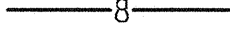
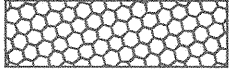
BY:

APPR: DATE:

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LEGEND:

	EXISTING BUILDING
	EXISTING OVERWATER STRUCTURE
	SILT CURTAIN
	PROPOSED GRADING
	RIPRAP RESTORATION
	EXISTING GRADE, MINOR (KPFF SURVEY, 2013)
	EXISTING GRADE, MAJOR (KPFF SURVEY, 2013)
	EXISTING GRADE, MINOR (POT BATHOMETRY)
	EXISTING GRADE, MAJOR (POT BATHOMETRY)
	OHW/MHW/MHHW LINE
	EXISTING FENCE
	EXISTING EDGE OF PAVEMENT
	PHOTO LOCATION

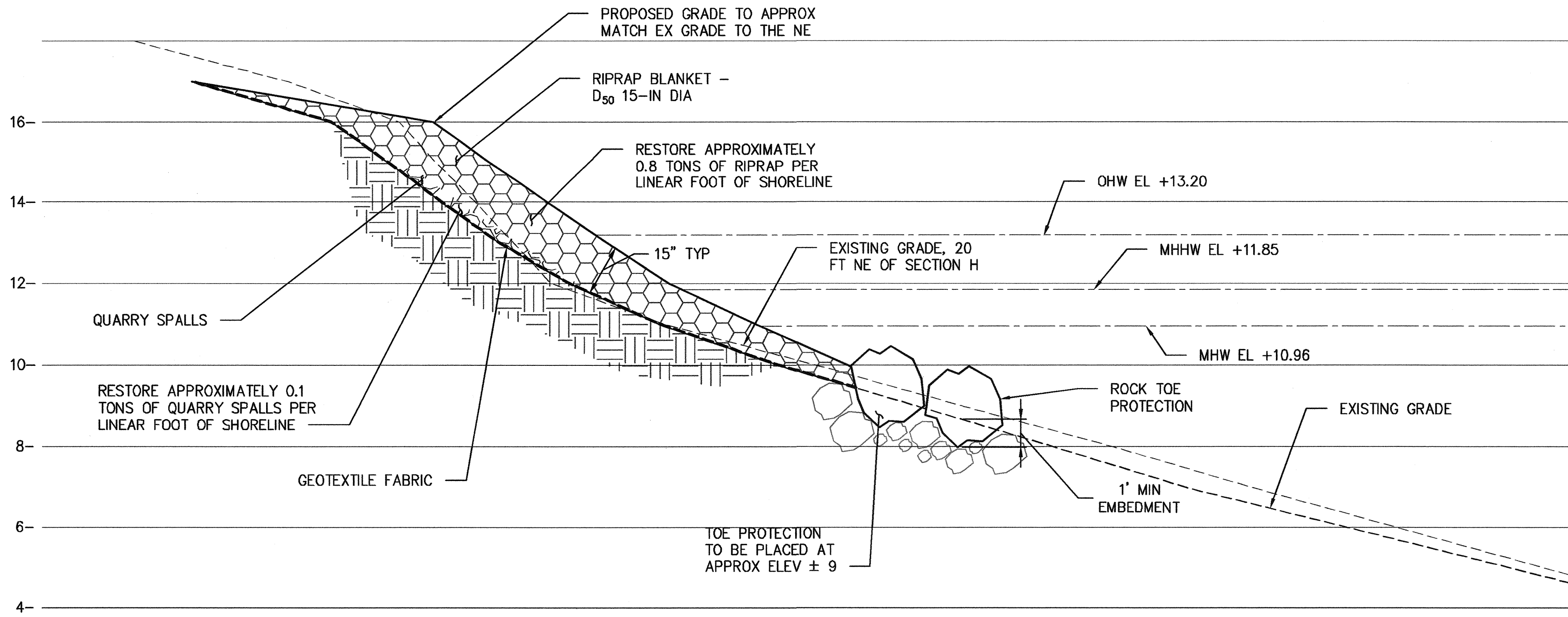
- ## NOTES:
1. CONTRACTOR SHALL FIELD MARK LIMITS OF RIPRAP REPLACEMENT A MINIMUM OF 7 DAYS PRIOR TO BEGINNING WORK, AND NOTIFY ENGINEER WHEN FIELD MARKING IS COMPLETE. ENGINEER SHALL REVIEW AND VERIFY FIELD MARKINGS WITHIN 4 DAYS OF NOTIFICATION.
 2. THIS AREA HAS BEEN RECENTLY REPAIRED, CONTRACTOR TO MATCH GRADE WITH NEW MATERIAL IN PLACE.

DATE: 0000000001	PRINTING OFFICE: HAS NOTED	1700000000, 1700000000, 1700000000
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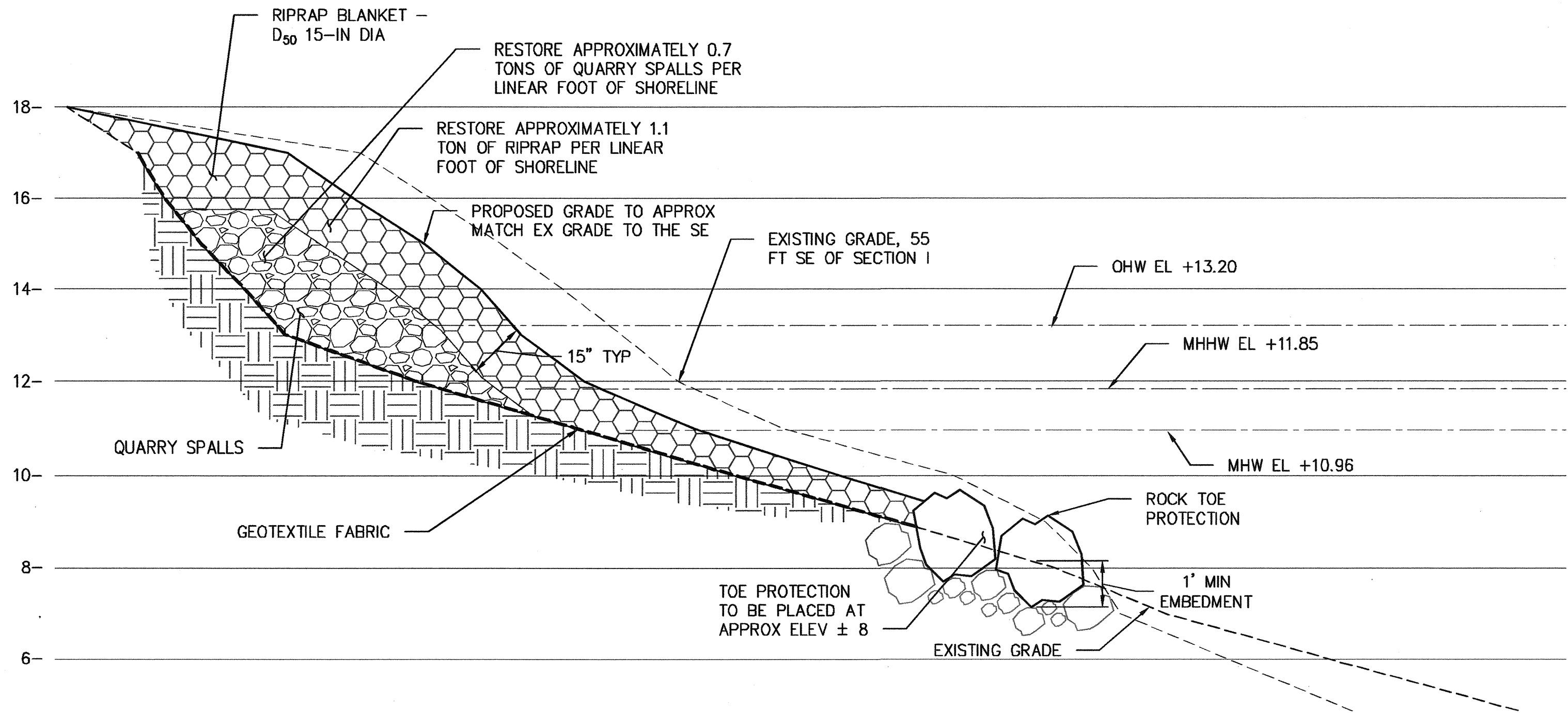
THIS DRAWING IS THE PROPERTY OF THE PORT OF TACOMA AND SHALL NOT BE USED ON OTHER WORK, DISCLOSED, COPIED, IN WHOLE OR IN PART, WITHOUT WRITTEN PERMISSION

BINDING EDGE

PORT OF TACOMA FILE: N:\Civil\113-113151 Port Bank Stabilization\Part 3 - KPFF Design\3.13 Drawings\113151-C16



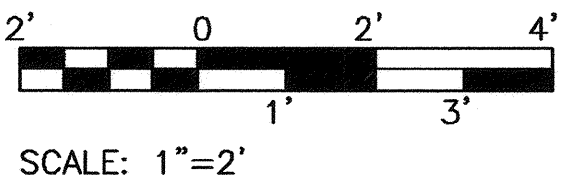
**CROSS SECTION:
RIPRAP BLANKET**
H
C16
1"=2'



**CROSS SECTION:
RIPRAP BLANKET**
I
C16
1"=2'

NOTES:

1. ROCK TOE PROTECTION SHALL BE EMBEDDED OR NESTED WITHIN EXISTING SLOPE PROTECTION ROCK SUCH THAT A MINIMUM EMBEDMENT OF 1 FOOT IS PROVIDED.



6531

C16

SHEET 20 OF 25

CONT/CONS:

M. ID:

PHASE: FINAL

PORT OF TACOMA

SHORELINE STABILIZATION

PROFILE - TOTE

TOWNSHIP: 21

DAT-HRZ: NAD83/07

PARCEL: 5000350011

RANGE: 03

VERT: MLLW

DRAWING SCALE: AS NOTED

SECTION: 34

AS NOTED

APPROVED: *[Signature]* SWK 6/22/2015

CHECKED BY DATE

RGC 6/22/2015

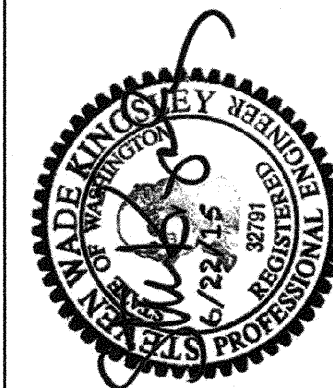
DIRECTOR ENG. DATE

PROJECTOR JUN 23, 2015

PRINTED BY: rchandler

PORT ADDRESS: ONE SITCUM PLAZA

TACOMA, WA 98401-1837



kpff

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Tacoma, Washington 98407
(253) 396-0150 FAX (253) 396-0162

P.O. BOX 1007 TACOMA, WA 98401-0007

MARK: REVISION:

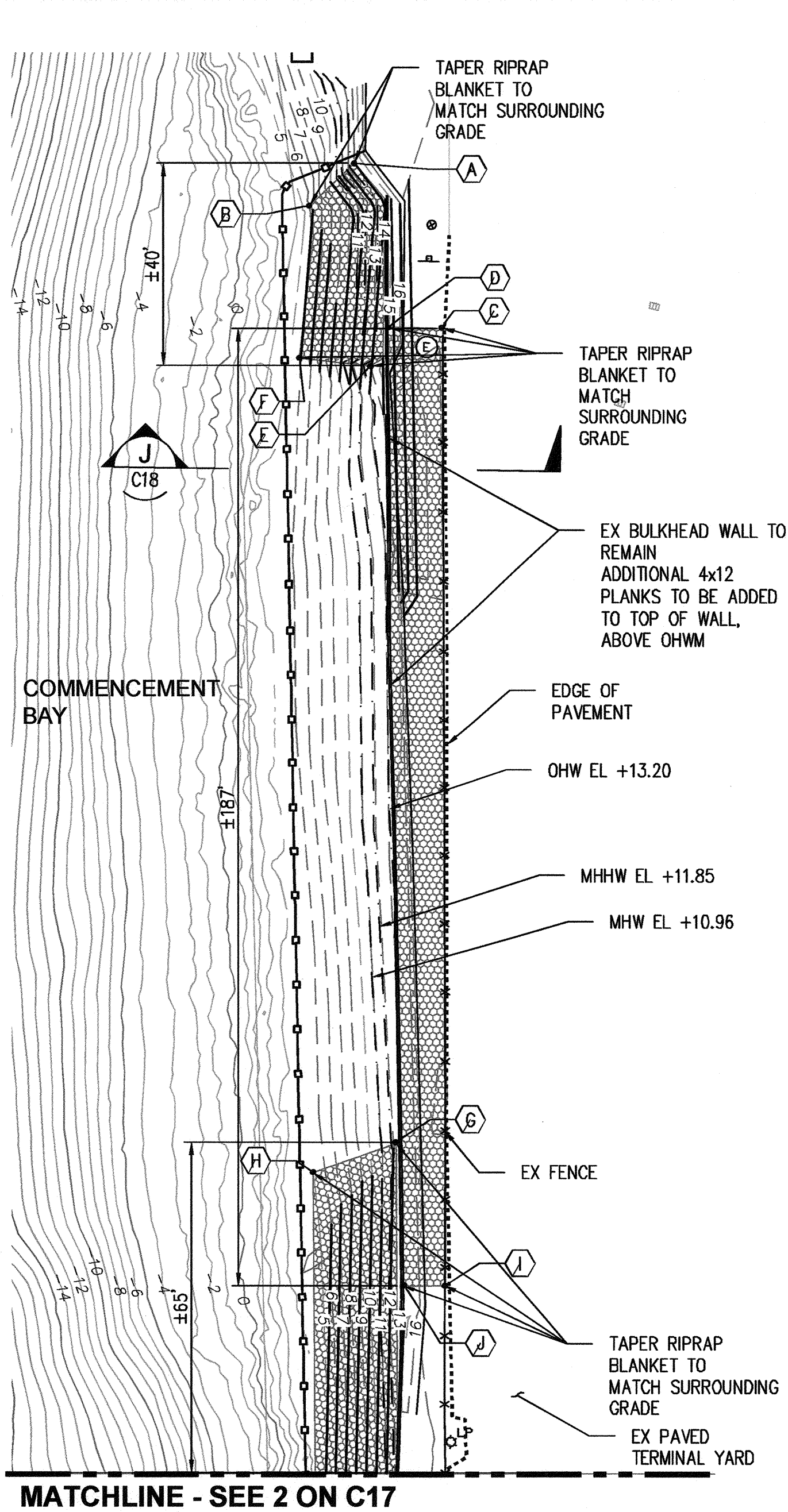
BY:

DATE:

APPR:

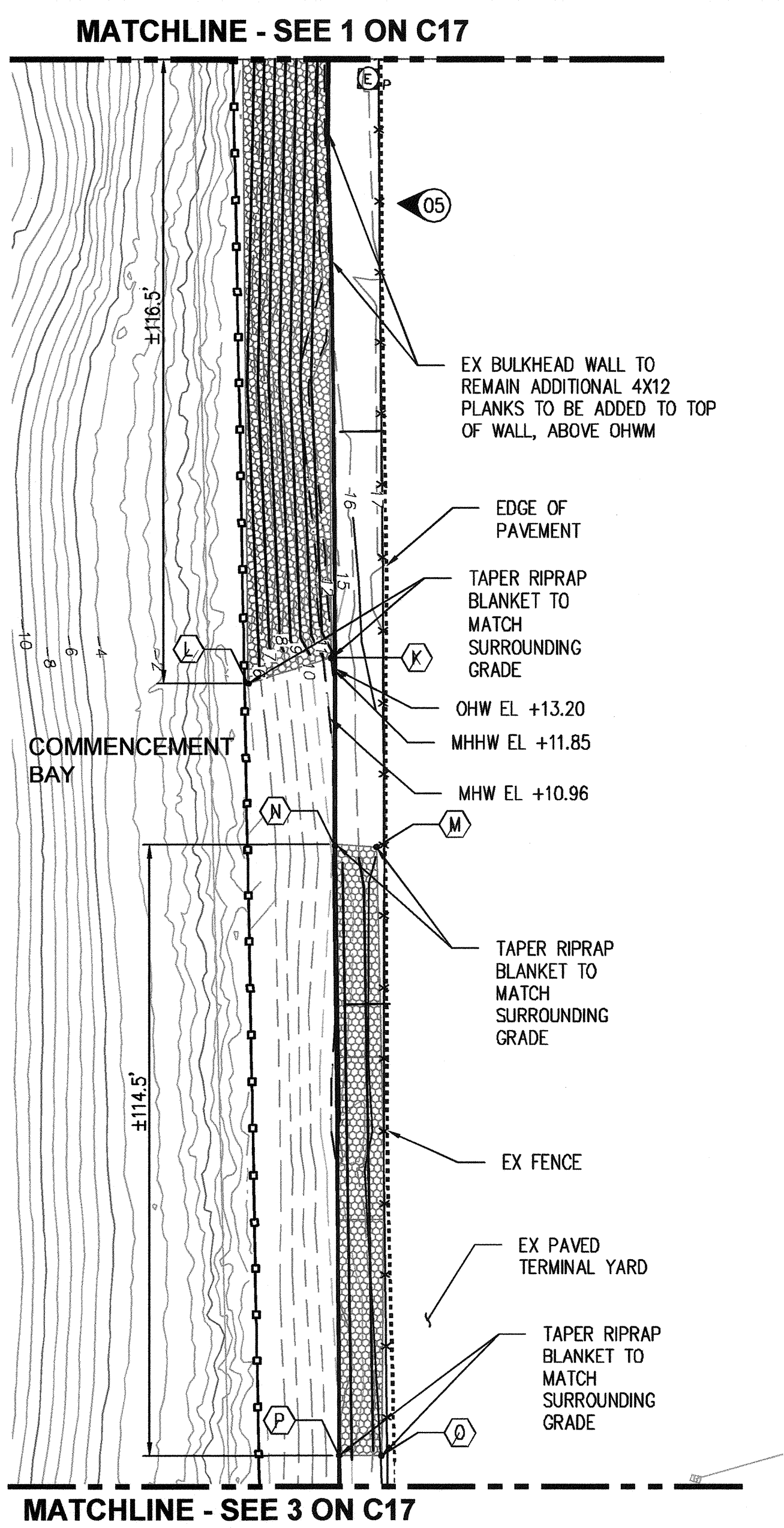
DATE:

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OCT HORIZONTAL CONTROL TABLE		
	NORTHING	EASTING
A	713905	1164203
B	713902	1164191
C	713868	1164202
D	713873	1164193
E	713868	1164186
F	713876	1164175
G	713732	1164118
H	713735	1164101

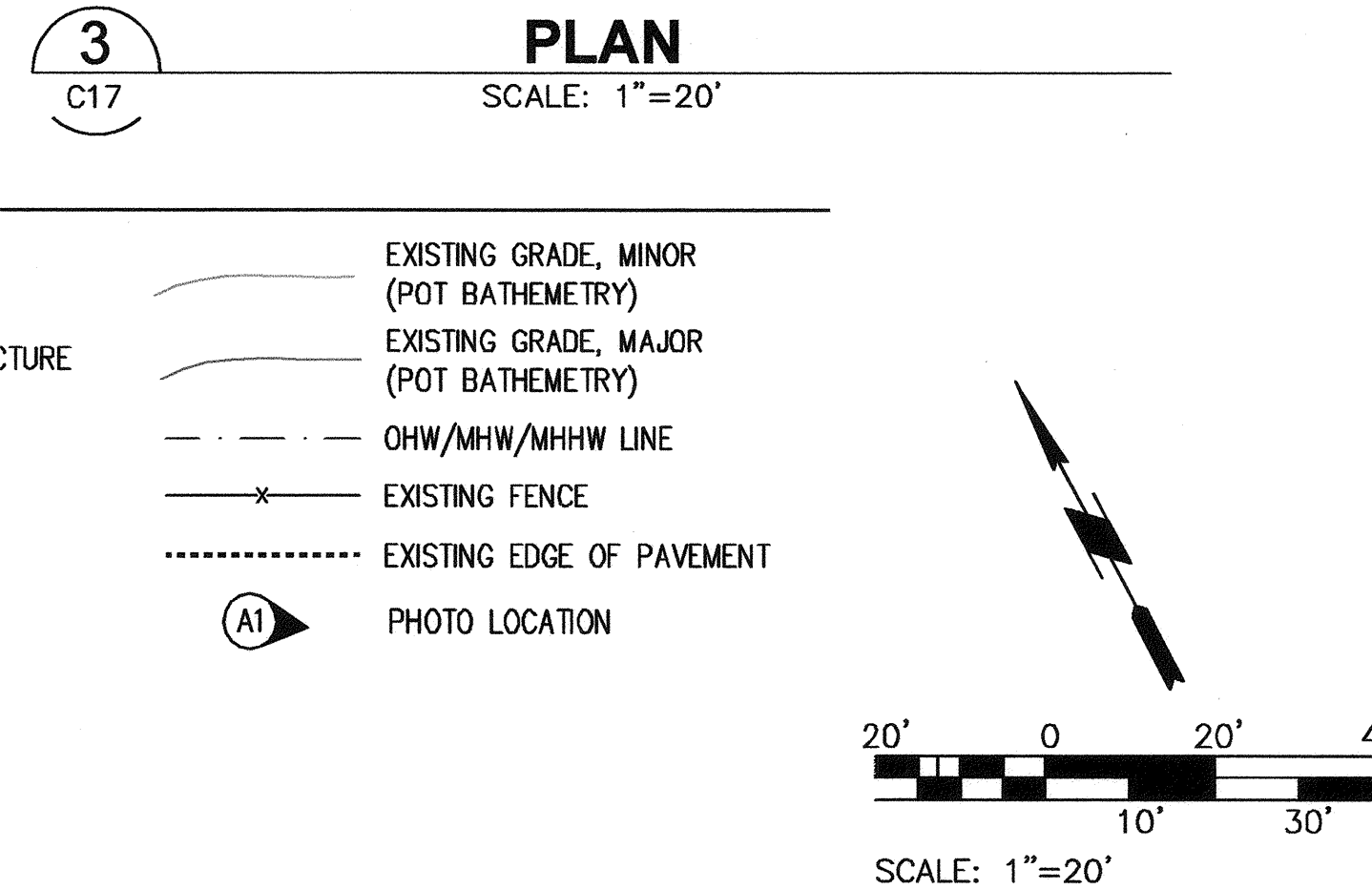
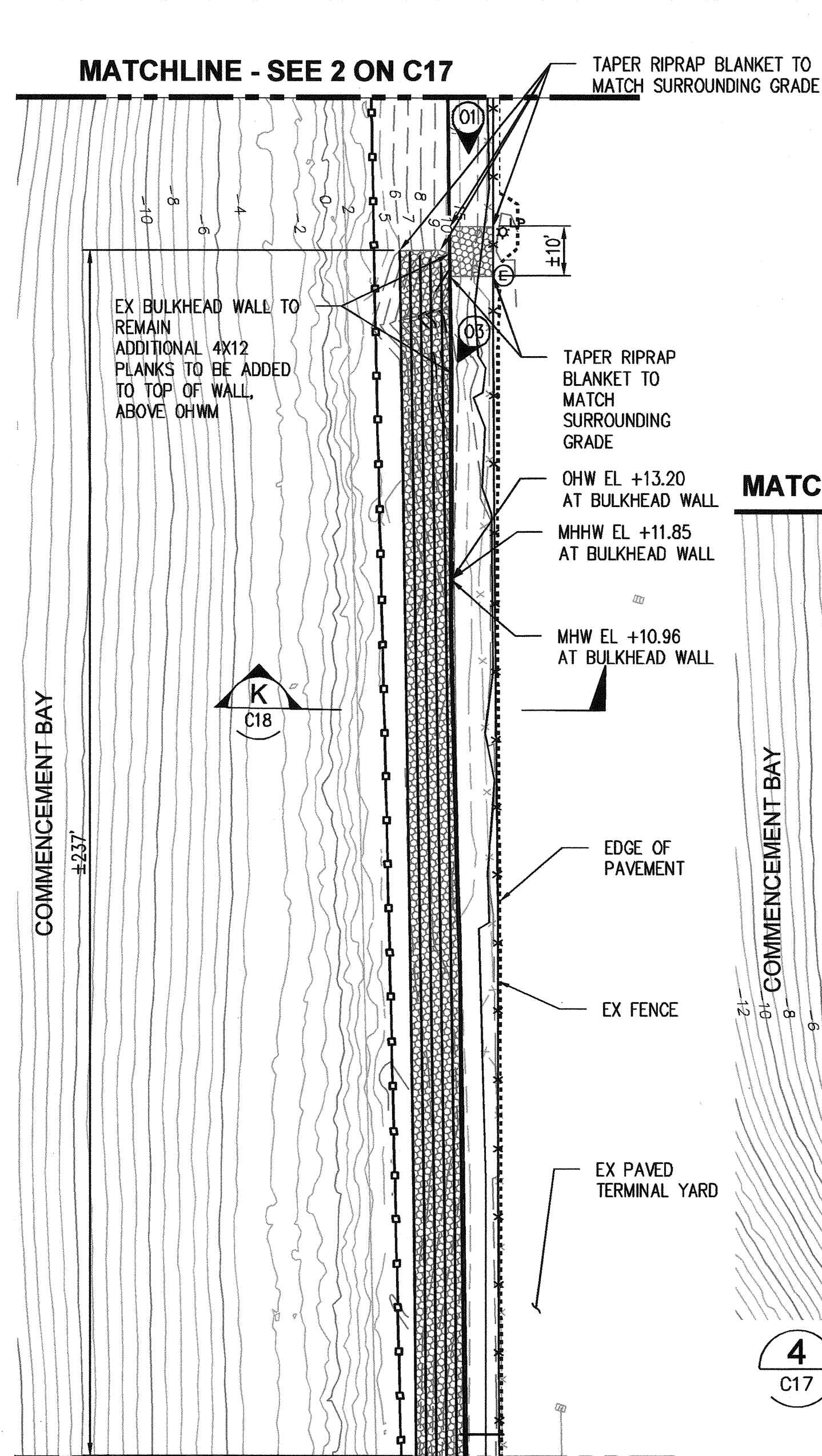
OCT HORIZONTAL CONTROL TABLE CONT		
	NORTHING	EASTING
J	713703	1164113
K	713707	1164106
L	713577	1164035
M	713580	1164019
N	713542	1164025
O	713546	1164018
P	713441	1163971
Q	713445	1163964



OCT HORIZONTAL CONTROL TABLE		
	NORTHING	EASTING
R	713414	1163958
S	713418	1163950
T	713413	1163947
U	713418	1163939
V	713405	1163953
W	713409	1163945
X	713086	1163805
Y	713076	1163793

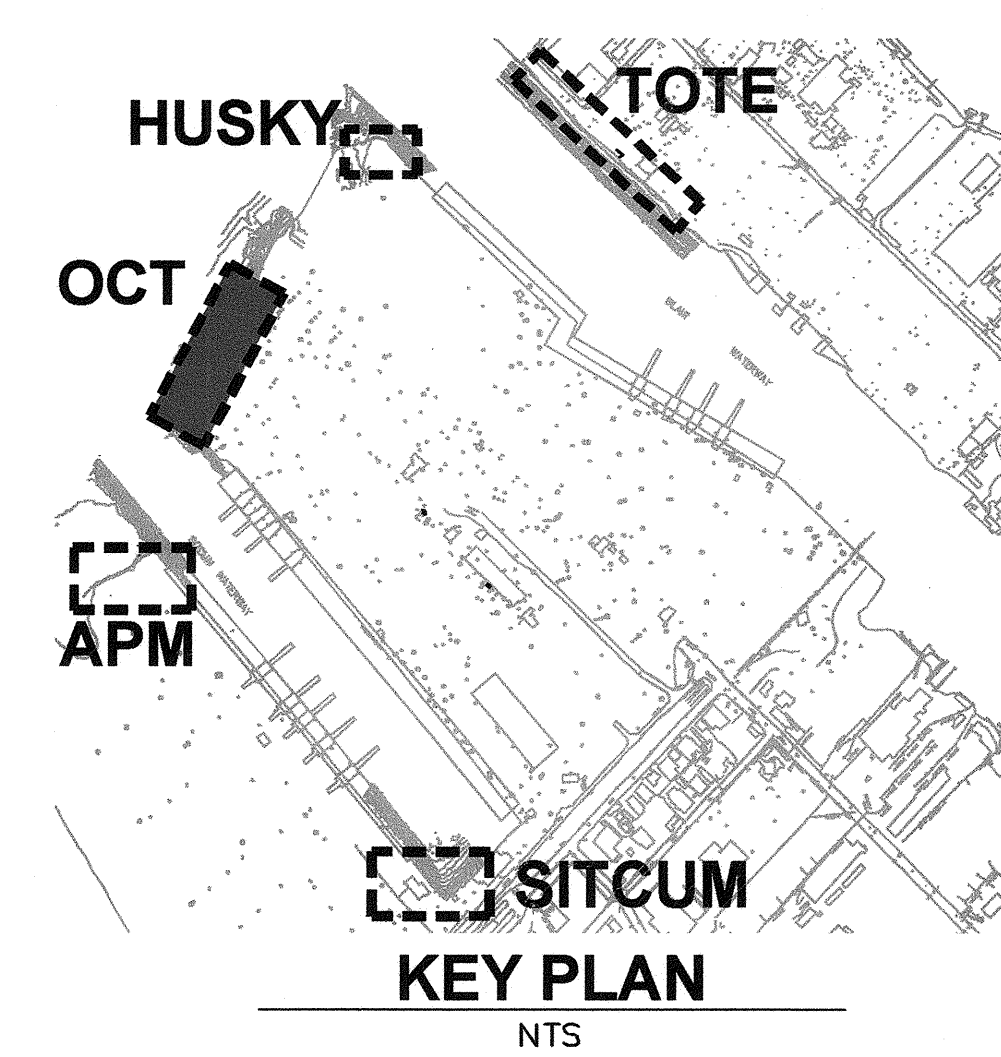
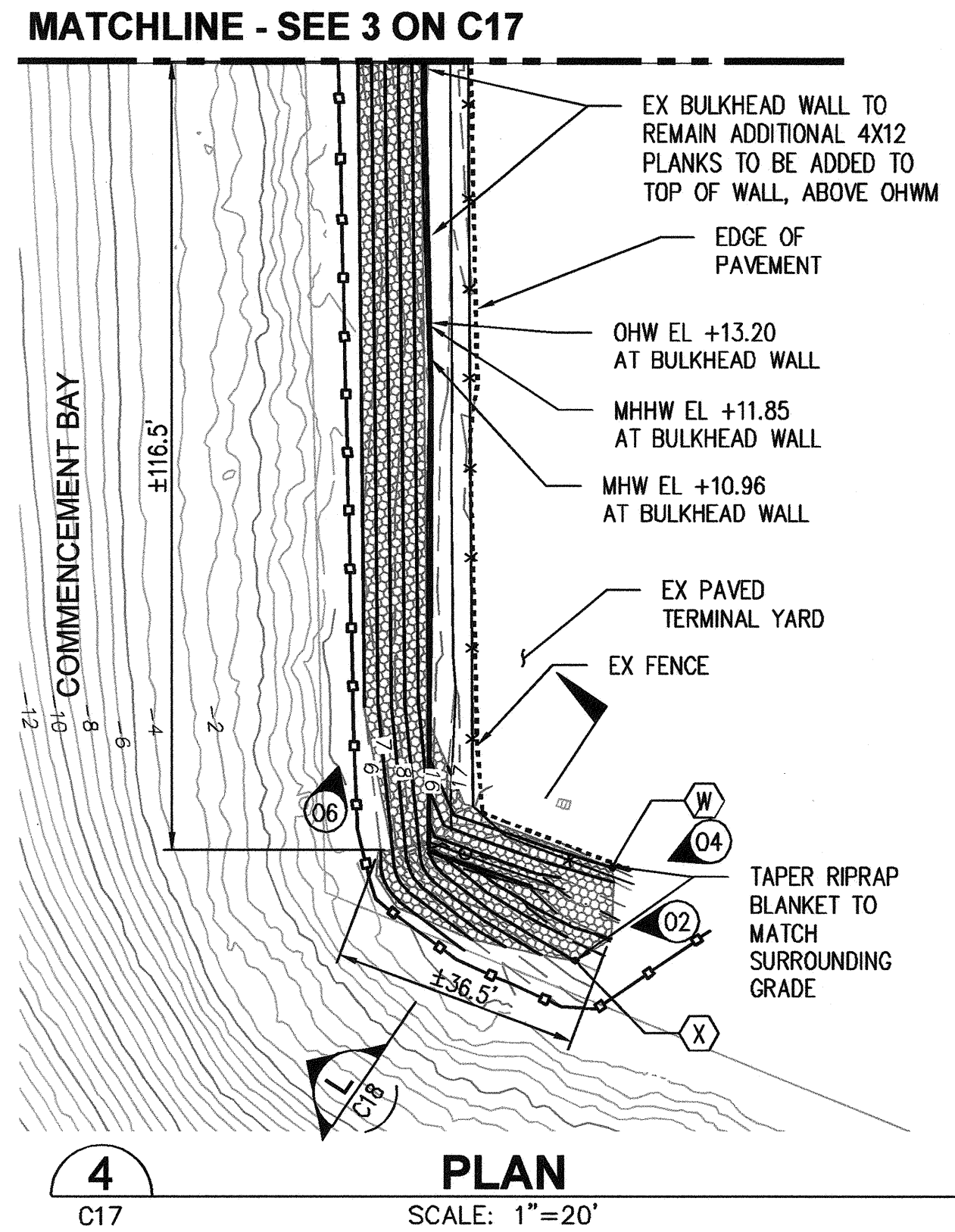
LEGEND:

- EXISTING BUILDING
- EXISTING OVERWATER STRUCTURE
- SILT CURTAIN
- PROPOSED GRADING
- RIPRAP RESTORATION
- EXISTING GRADE, MINOR (KPFF SURVEY, 2013)
- EXISTING GRADE, MAJOR (KPFF SURVEY, 2013)
- EXISTING GRADE, MINOR (POT BATHMETRY)
- EXISTING GRADE, MAJOR (POT BATHMETRY)
- OHW/MHW/MHHW LINE
- EXISTING FENCE
- EXISTING EDGE OF PAVEMENT
- PHOTO LOCATION



NOTES:

- CONTRACTOR SHALL FIELD MARK LIMITS OF RIPRAP REPLACEMENT A MINIMUM OF 7 DAYS PRIOR TO BEGINNING WORK, AND NOTIFY ENGINEER WHEN FIELD MARKING IS COMPLETE. ENGINEER SHALL REVIEW AND VERIFY FIELD MARKINGS WITHIN 4 DAYS OF NOTIFICATION.
- CONTRACTOR TO REPLACE SEVERELY DAMAGED PLANKS WITHIN BULKHEAD WALL.



Part of Tacoma

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Tacoma, Washington 98407
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MADE IN WASHINGTON

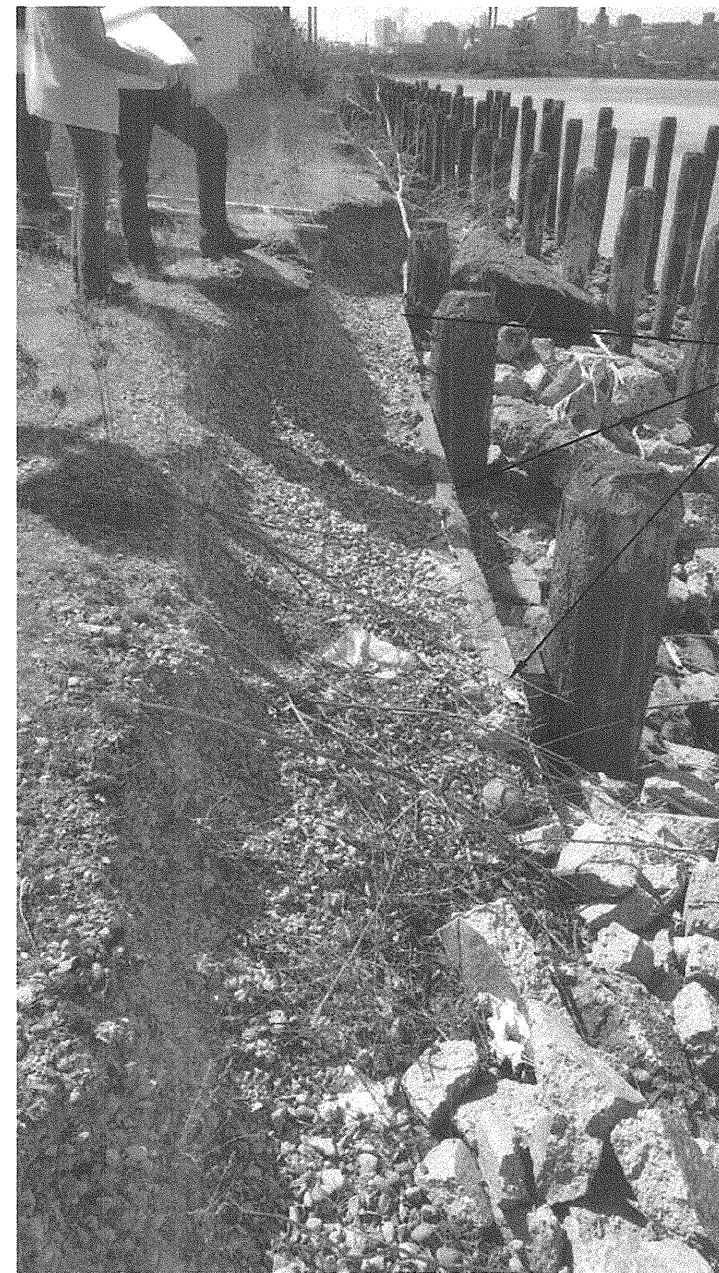
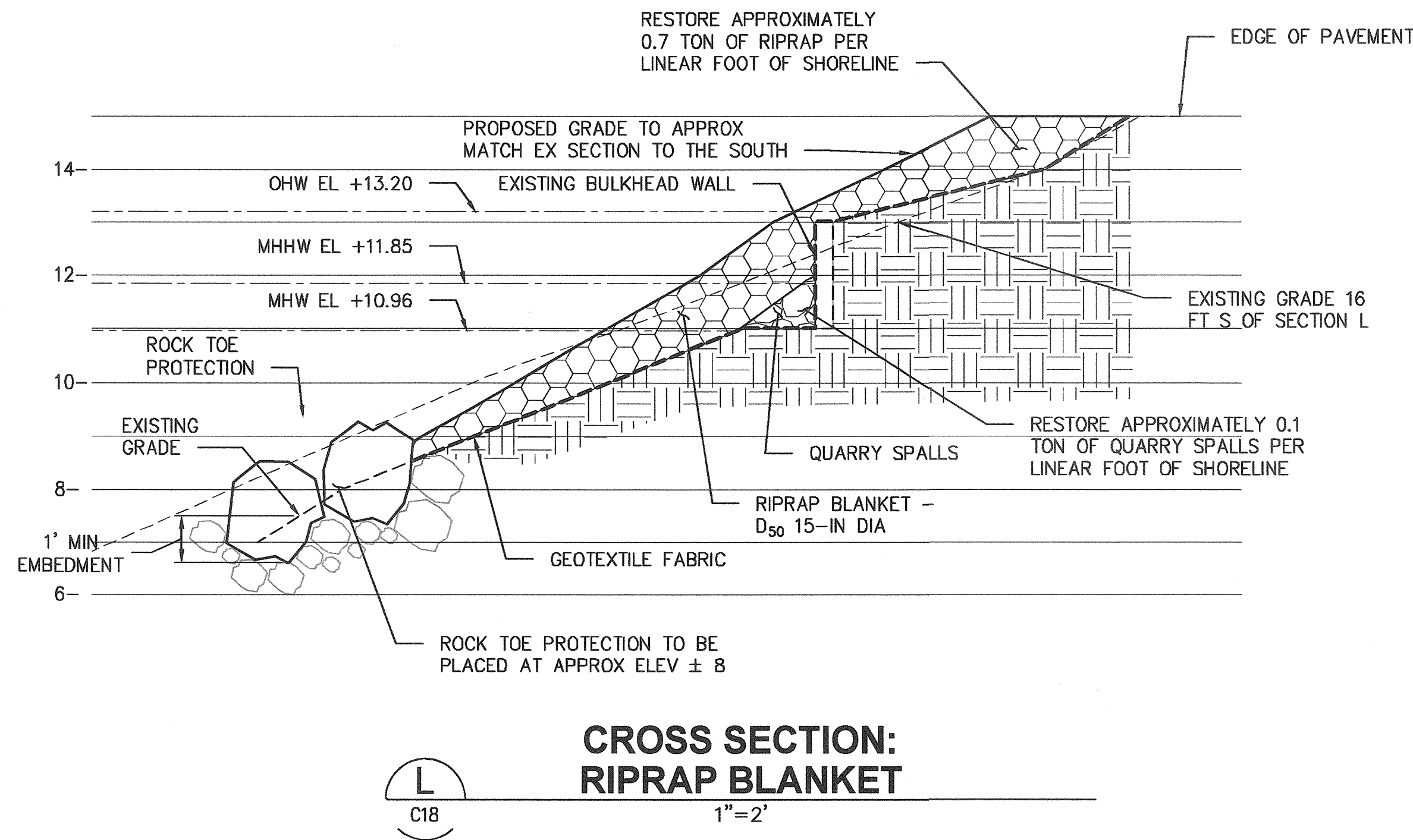
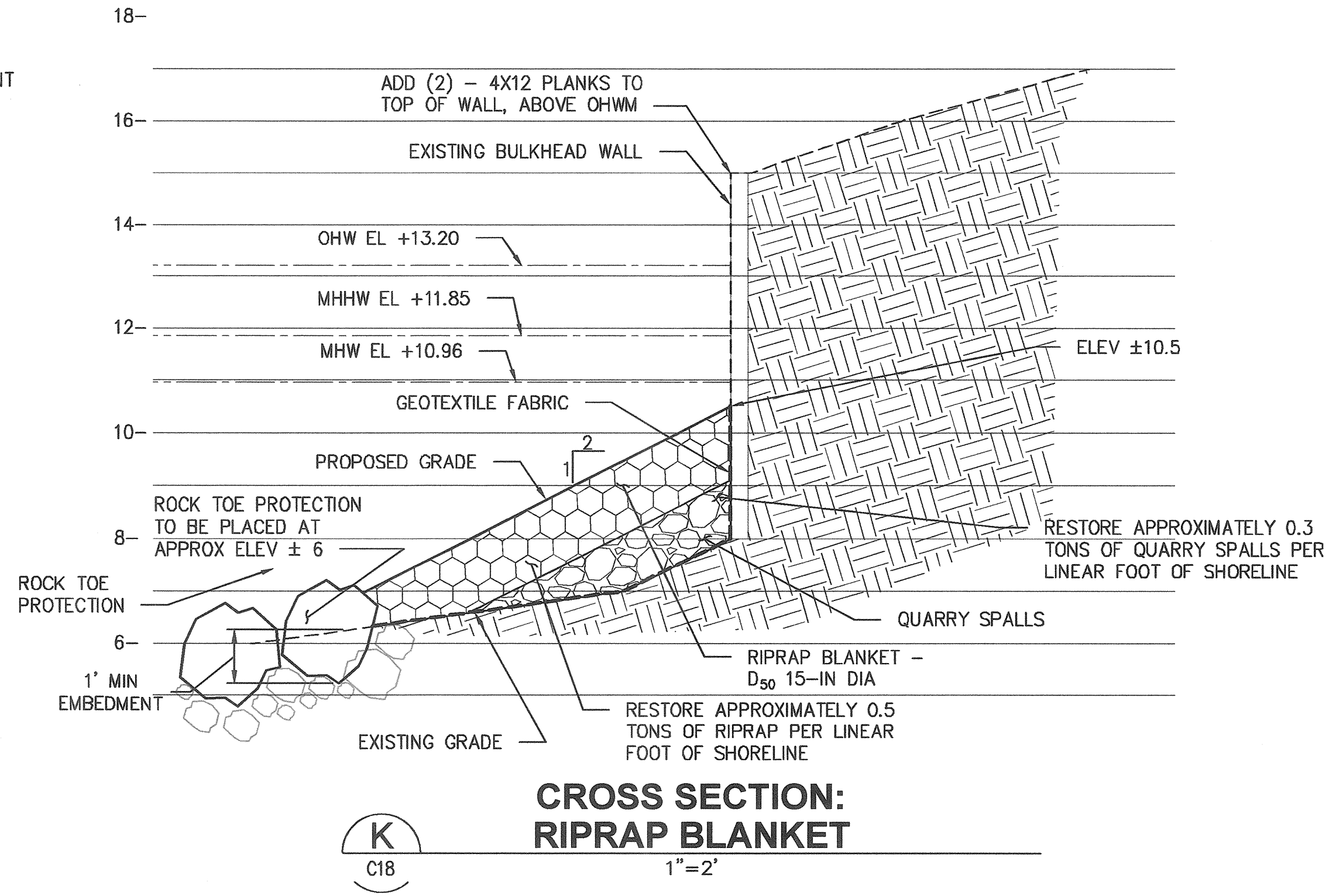
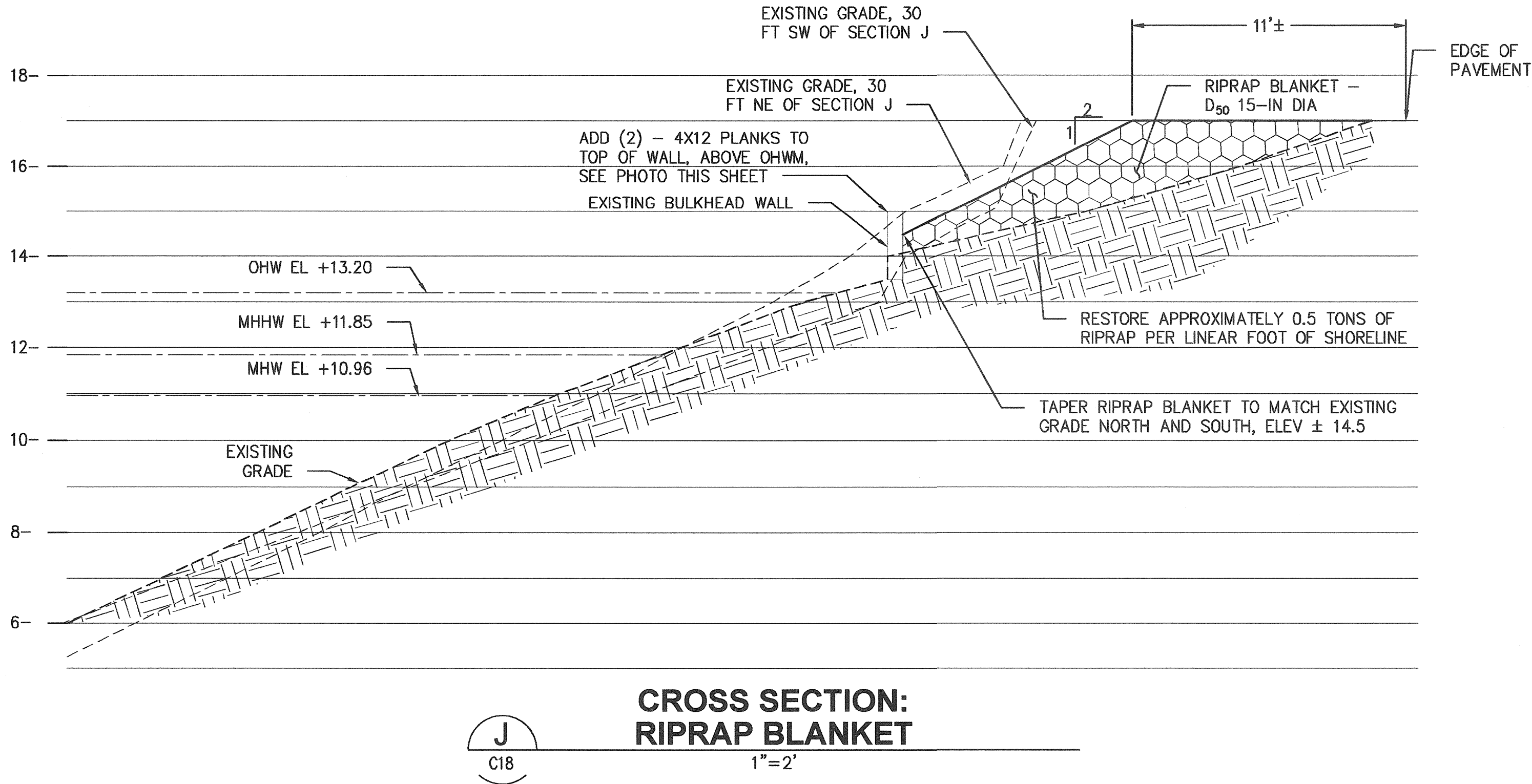
REGISTERED PROFESSIONAL ENGINEER
No. 12781
EXPIRATION DATE 6/30/2015

APPROVED: *Julie Howard*
DIRECTOR ENG. DATE 9-8-15
PRINTED BY: rchandler Jun 23, 2015
PORT ADDRESS: ONE SITCUM PLAZA
TACOMA, WA 98401-1837

SWK 6/22/2015
CHECKED BY DATE
RGC 6/22/2015
PROJ. ENGR DATE
TOWNSHIP: 21 RANGE: 03 SECTION: 34
DAT-HRZ: NAD83/07 VERT: MLLW
PARCEL: 2275200633 DRAWING SCALE: AS NOTED

PORT OF TACOMA
SHORELINE STABILIZATION
PLAN - OCT

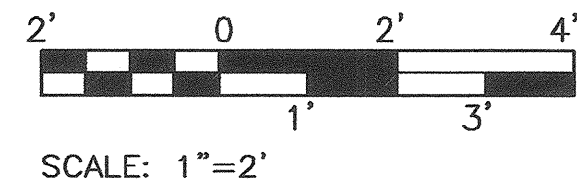
6531
C17
SHEET 21 OF 25
CONT/CONS:
M. ID:
PHASE: FINAL



ADD (2) - 4X12 PLANKS TO TOP OF WALL, ABOVE OHWM

NOTES:

- ROCK TOE PROTECTION SHALL BE EMBEDDED OR NESTED WITHIN EXISTING SLOPE PROTECTION ROCK SUCH THAT A MINIMUM EMBEDMENT OF 1 FOOT IS PROVIDED.

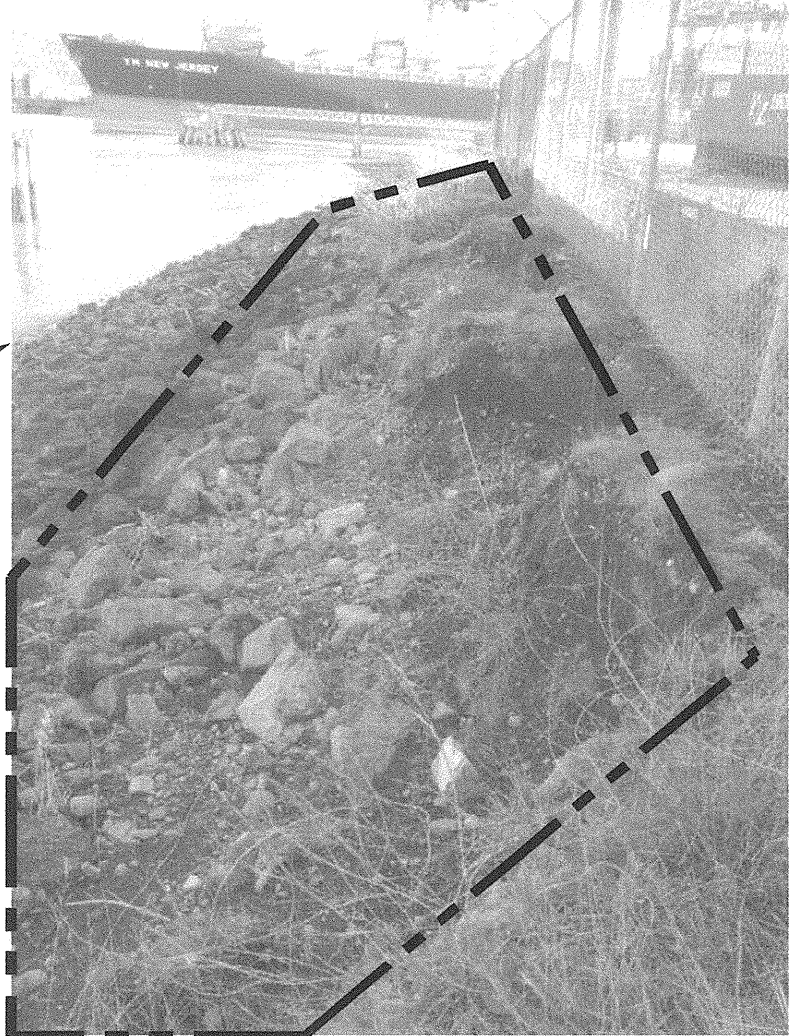


SCALE: 1"=2'

6531 SHEET 22 OF 25 C18	PORT OF TACOMA SHORELINE STABILIZATION PROFILE - OCT	APPROVED: <i>[Signature]</i>	SWK	6/22/2015
		CHECKED BY	DATE	
CONT/CONS:	TOWNSHIP: 21	RANGE: 03	SECTION: 34	
M. ID:	DAT-HRZ: NAD83/07	VERT: MLLW		
PHASE: FINAL	PARCEL: 2275200633	DRAWING SCALE: AS NOTED		
2407 North 31st Street, Suite 100 Tacoma, Washington 98407 (253) 936-0150 Fax (253) 936-0162		kpff Part of Tacoma		2407 North 31st Street, Suite 100 Tacoma, Washington 98407 (253) 936-0150 Fax (253) 936-0162
MARK: REVISION:		BY:	APPR:	DATE:



A1 PHOTO



A2 PHOTO



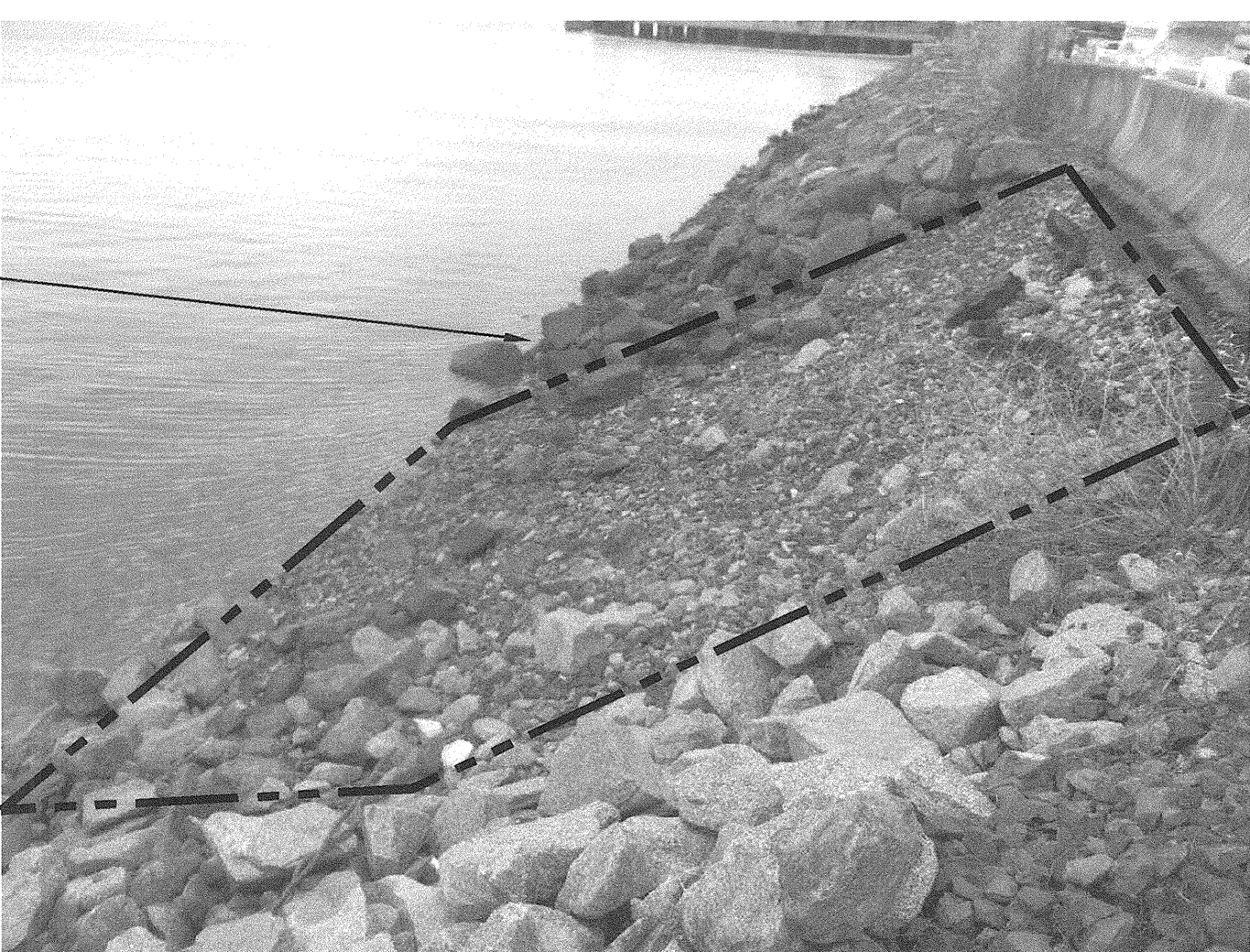
A3 PHOTO



A4 PHOTO



H1 PHOTO



H2 PHOTO



H3 PHOTO

NOTES:

1. RESTORATION BOUNDARY ILLUSTRATES APPROXIMATE EXTENTS OF VISIBLE ABOVE GROUND RIPRAP REPLACEMENT. ADDITIONAL RIPRAP REPLACEMENT IS REQUIRED BELOW WATERLINE SHOWN IN PHOTOS, SEE SPECIFICATIONS.
2. THE INTENT OF THE RESTORATION PLAN AND PHOTOS ARE TO SHOW GENERAL SCOPE OF ITEMS TO BE REPLACED. THE PHOTOS HIGHLIGHT ITEMS IN THE FOREGROUND TO BE REPLACED. ITEMS IN THE BACKGROUND THAT ARE TO BE REPLACED ARE NOT NECESSARILY IDENTIFIED.

LEGEND:

--- RESTORATION BOUNDARY (SEE NOTE 1)

EX
RETAINING
WALL TO
REMAIN

6531 C19 SHEET 23 OF 25	PORT OF TACOMA SHORELINE STABILIZATION PHOTO SHEET 1				APPROVED: <i>[Signature]</i> DIRECTOR 9-8-15	SWK 6/22/2015	CHECKED BY RGC 6/22/2015	DATE 6/22/2015
	TOWNSHIP: 21 DAT-HRZ: NAD83/07 PARCEL: 8950200404	RANGE: 03 VERT: MLLW DRAWING SCALE: AS NOTED	SECTION: 34	PRINTED BY: rehandler PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837	REVISION: BY: DATE:	MARK: REVISION: BY: DATE:	APPR: DATE:	DATE:



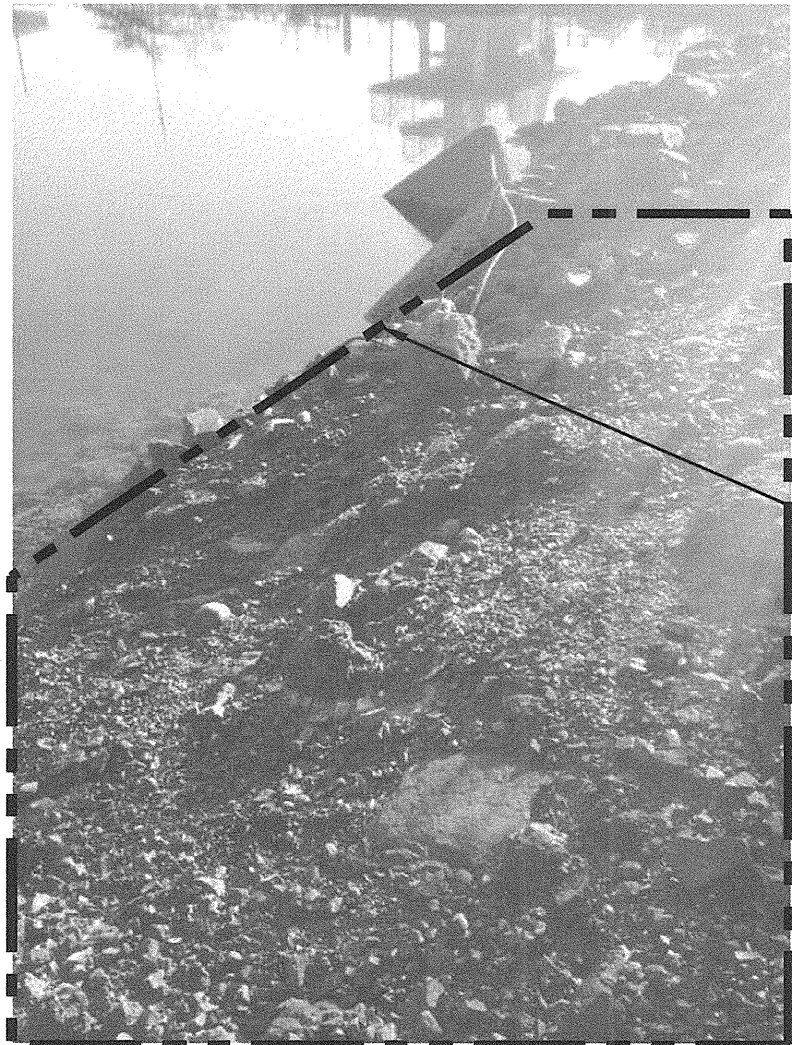
S1 PHOTO



S2 PHOTO



S3 PHOTO



S4 PHOTO



O1 PHOTO



O2 PHOTO



O3 PHOTO



O4 PHOTO

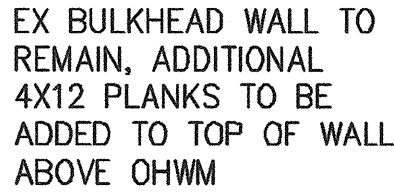
NOTES:

1. RESTORATION BOUNDARY ILLUSTRATES APPROXIMATE EXTENTS OF VISIBLE ABOVE GROUND RIPRAP REPLACEMENT. ADDITIONAL DEMOLITION AND DEBRIS REMOVAL IS REQUIRED BELOW GROUND AND WATERLINE SHOWN IN PHOTOS, SEE SPECIFICATIONS.
2. THE INTENT OF THE RESTORATION PLAN AND PHOTOS ARE TO SHOW GENERAL SCOPE OF ITEMS TO BE REPLACED. THE PHOTOS HIGHLIGHT ITEMS IN THE FOREGROUND TO BE REPLACED. ITEMS IN THE BACKGROUND THAT ARE TO BE REPLACED ARE NOT NECESSARILY IDENTIFIED.

LEGEND:

--- RESTORATION BOUNDARY (SEE NOTE 1)

6531 C20 SHEET 24 OF 25	PORT OF TACOMA SHORELINE STABILIZATION PHOTO SHEET 2		APPROVED: <i>[Signature]</i> 9-8-15 DIRECTOR ENG. DATE PROJ. ENGR DATE PRINTED BY: rhondier Jun 23, 2015 PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837	SWK 6/22/2015 CHECKED BY DATE RGC 6/22/2015 PROJ. ENGR DATE Jun 23, 2015	Port of Tacoma 2407 North 31st Street, Suite 100 Tacoma, Washington 98407 (253) 396-0150 FAX (253) 396-0162 P.O. BOX 1187 TACOMA, WA 98401-0308-0041	
	CONTR/CONS: M. ID: PHASE: FINAL	TOWNSHIP: 21 DAT-HRZ: NAD83/07 PARCEL: 8950200404	RANGE: 03 SECTION: 34 VERT: MLLW DRAWING SCALE: AS NOTED	MARK: REVISION: BY: DATE:	APPR: DATE:	



O5 PHOTO



06 PHOTO



T2 PHOTO

NOTES:

1. RESTORATION BOUNDARY ILLUSTRATES APPROXIMATE EXTENTS OF VISIBLE ABOVE GROUND RIPRAP REPLACEMENT. ADDITIONAL RIPRAP REPLACEMENT IS REQUIRED BELOW WATERLINE SHOWN IN PHOTOS, SEE SPECIFICATIONS.
2. THE INTENT OF THE RESTORATION PLAN AND PHOTOS ARE TO SHOW GENERAL SCOPE OF ITEMS TO BE REPLACED. THE PHOTOS HIGHLIGHT ITEMS IN THE FOREGROUND TO BE REPLACED. ITEMS IN THE BACKGROUND THAT ARE TO BE REPLACED ARE NOT NECESSARILY IDENTIFIED.

LEGEND:

RESTORATION BOUNDARY (SEE NOTE 1)

6531 C21 SHEET 25 OF 25	PORT OF TACOMA SHORELINE STABILIZATION PHOTO SHEET 3				APPROVED: <i>[Signature]</i> 4-8-15	SWK CHECKED BY: DATE ROC 6/22/2015 DIRECTOR ENG. DATE PRINTED BY: rothander Jun 23, 2015 PORT ADDRESS-ONE STICUM PLAZA TACOMA, WA 98401-1837	  3407 North 31st Street, Suite 100 Tacoma, Washington 98407 (253) 396-0150 Fax: (253) 610-162 P.O. Box 1837 Tacoma, WA 98401-0384/0401	Port of Tacoma DATE:
	TOWNSHIP: 21 RANGE: 03 SECTION: 34 DAT-HRZ: NAD83/07 VERT: MLLW	MARK: REVISION: BY:						
	M. ID:							
	PHASE: FINAL PARCEL: 8950200404 DRAWING SCALE: AS NOTED							