

PORT OF TACOMA

MARINE VIEW DRIVE STRUCTURES DEMOLITION PROJECT NO. 091315 CONTRACT NO. 069820

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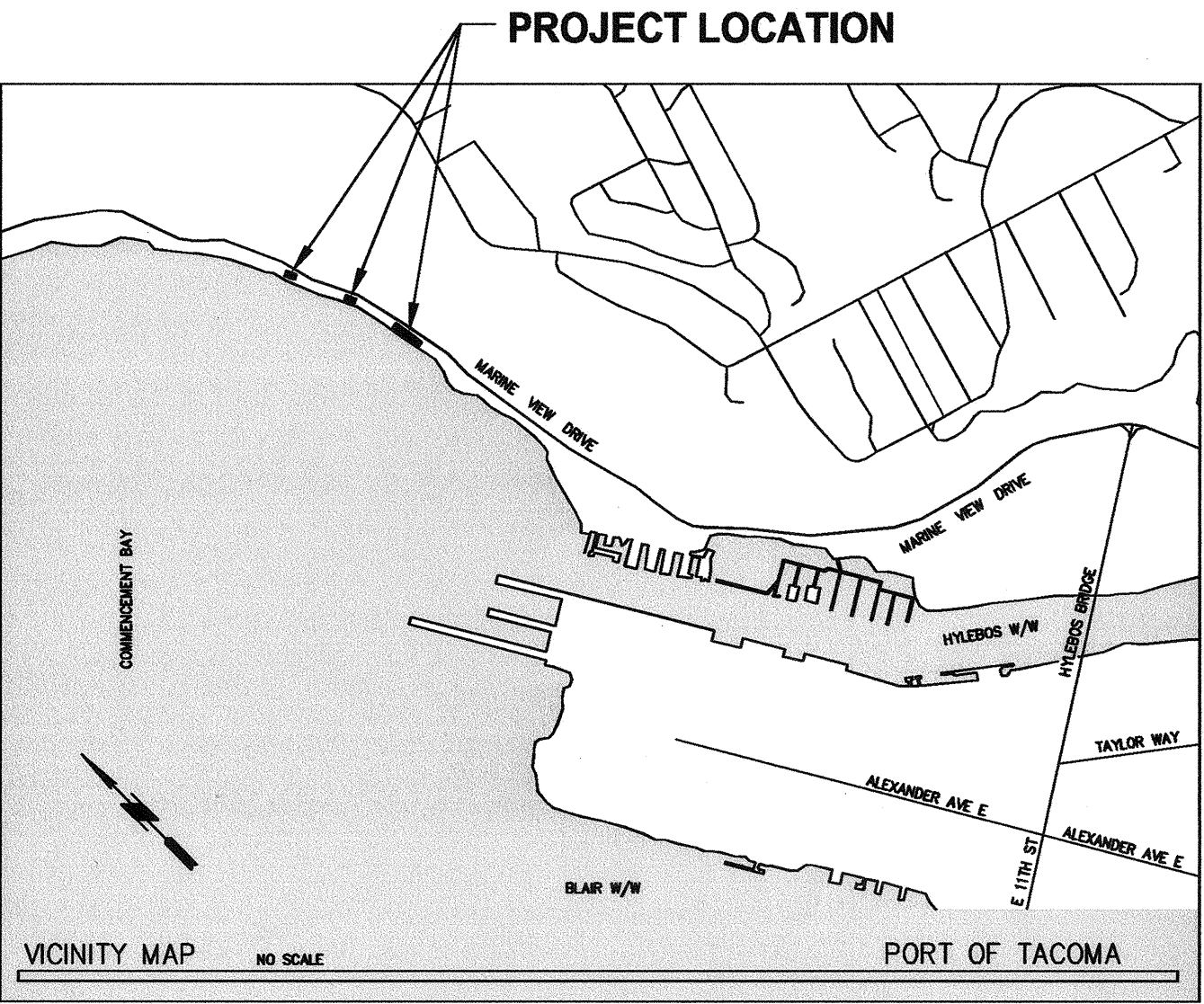
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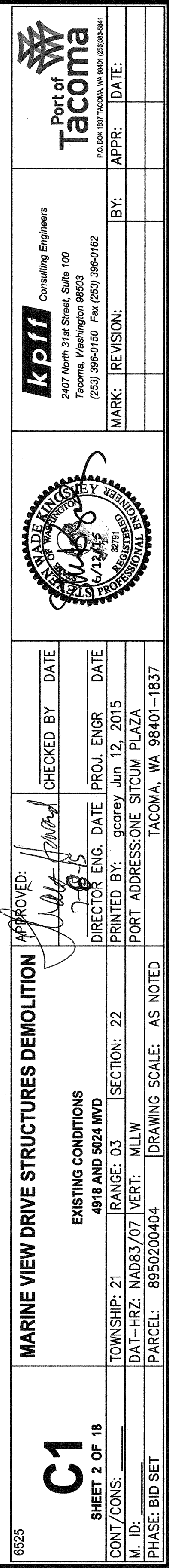
DRAWING LIST		
SHEET DESIGNATION	SHEET #	SHEET TITLE
G1	1	COVER SHEET
C1	2	EXISTING CONDITIONS 4918 AND 5024 MVD
C2	3	EXISTING CONDITIONS 4720, 4722 AND 4728 MVD
C3	4	GENERAL AND TESC NOTES
C4	5	TESC SITE PLAN 4918 AND 5024 MVD
C5	6	TESC SITE PLAN 4720, 4722 AND 4728 MVD
C6	7	TESC DETAILS
C7	8	DEMOLITION AND SITE PLAN 5024 MVD
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C12	13	PHOTO SHEET 3
C13	14	PHOTO SHEET 4
C14	15	PHOTO SHEET 5
C15	16	DETAILS
C16	17	FENCING PLAN
C17	18	FENCING DETAILS

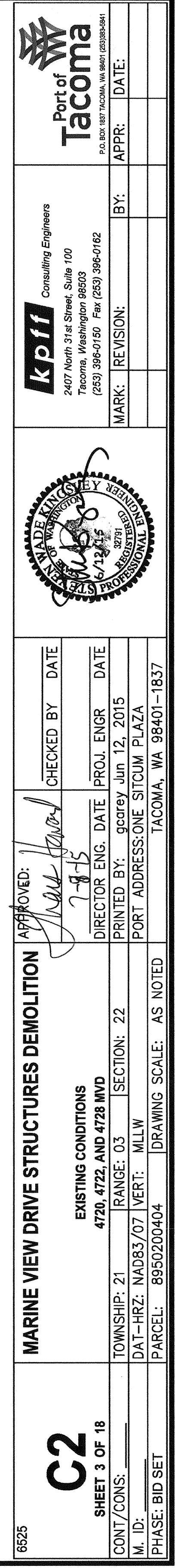
ABBREVIATIONS:

CL	CENTER LINE
ASPH	ASPHALT
BMP	BEST MANAGEMENT PRACTICE
CB	CATCH BASIN
CF	CUBIC FEET
CONC	CONCRETE
COT	CITY OF TACOMA
DIA	DIAMETER
EL	ELEVATION
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

CALL 48 HOURS
BEFORE YOU DIG
DIAL 811

6525	G1 SHEET 1 OF 18 CONT/CONS: M. ID: PHASE: BID SET	MARINE VIEW DRIVE STRUCTURES DEMOLITION COVER SHEET				APPROVED: <i>[Signature]</i> DIRECTOR ENG. DATE: 7-8-15 PRINTED BY: gcoley PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837				Checked By: DATE: PROJ. ENGR. DATE: 7-8-15 PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837				kpf1 Consulting Engineers 2407 North 31st Street, Suite 100 Tacoma, Washington 98403 (253) 396-0750 Fax (253) 396-0762 MARK: REVISION: BY: DATE: APPR: DATE:				Port of Tacoma P.O. BOX 1087 TACOMA, WA 98401-1087			
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DEMOLITION NOTES:

- ALL WORK SHALL CONFORM TO THESE PLANS AND SPECIFICATIONS. ALL DEMOLITION 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 DEMOLITION WORK PLAN PRIOR TO COMMENCING WORK.
- THE CONTRACT DOCUMENTS AND SPECIFICATIONS REPRESENT THE SCOPE OF WORK. UNLESS OTHERWISE SHOWN THEY DO NOT INDICATE THE METHOD OF DEMOLITION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND HE SHALL BE SOLELY RESPONSIBLE FOR ALL DEMOLITION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES.
- THE CONTRACTOR SHALL KEEP ALL STREETS AND VEHICULAR TRAFFIC AREAS CLEAN.
- CONTRACTOR IS RESPONSIBLE FOR ANY TRAFFIC CONTROLS REQUIRED DURING THE DURATION OF THIS PROJECT.
- THE CONTRACTOR SHALL INSTALL AND MAINTAIN PERIMETER FENCING AS REQUIRED TO MAINTAIN SECURITY OF SITE.
- CONTRACTOR SHALL PROTECT-IN-PLACE ALL STRUCTURES, UTILITIES AND OBJECTS NOT CALLED OUT AS BEING DEMOLISHED ON THE PLANS. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO STRICTLY CONTAIN THE DEMOLITION WITHIN THE LIMITS SHOWN ON THE DRAWINGS. 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.
- STOCKPILE SPACE ON THE SITE IS LIMITED. IF CONTRACTOR REQUIRES ADDITIONAL STOCKPILE SPACE BEYOND WHAT IS SHOWN IN THE PLANS, THE CONTRACTOR IS TO LOCATE AND PROCURE AN APPROPRIATE OFF-SITE STOCKPILE LOCATION. STOCKPILES SHALL NOT ENCROACH ON ROADWAY AND SHALL BE ABOVE OHW.
- 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 ENGINEER'S ATTENTION.
- THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO COMMENCING WORK IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.
- EXISTING TIMBER PILES SHALL BE FULLY EXTRACTED BY DIRECT PULLING. HYDRAULIC WATER JETTING WILL NOT BE ALLOWED. IF AN EXISTING PILE CAN NOT BE EXTRACTED, THE PILE SHALL BE CUT 2- FEET BELOW THE MUDLINE AND CAPPED WITH FISH MIX TO ENSURE THAT CHEMICALS FROM THE EXISTING PILE DO NOT LEACH INTO THE ADJACENT SEDIMENTS. EXTRACTED PILES SHALL BE CUT INTO FOUR (4) FOOT LENGTHS PRIOR TO DISPOSAL. SAWDUST FROM CUTTING TREATED WOOD SHALL BE COLLECTED AND PREVENTED FROM ENTERING STATE WATERS.
- EXTENT OF DEBRIS REMOVAL AND CLEAR AND GRUB VEGETATION IS APPROXIMATE AND IS TO BE VERIFIED BY THE ENGINEER PRIOR TO COMPLETION OF WORK.
- 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.
- UNLESS NOTED OTHERWISE, ALL DEMOLISHED STRUCTURES MATERIAL AND DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF AT AN APPROVED DISPOSAL FACILITY OR RECYCLING FACILITY IN ACCORDANCE WITH APPLICABLE FEDERAL AND STATE LAWS AND REGULATIONS GOVERNING DISPOSAL.
- ALL DIMENSIONS OF DEMOLISHED STRUCTURES ARE APPROXIMATE AND ARE FOR REFERENCE ONLY.
- PRIOR TO COMMENCING DEMOLITION ACTIVITIES CONTRACTOR SHALL IMPLEMENT TEMPORARY EROSION AND SEDIMENTATION CONTROLS. NO DEMOLITION MATERIALS OR DEBRIS SHALL BE ALLOWED TO ENTER THE STATE WATERS.
- LARGE WOODY DEBRIS, LARGER THAN 12 INCHES IN DIAMETER DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE STOCKPILED ON SITE, CONTRACTOR WILL GENERALLY DOCUMENT THE LOCATION OF DISTURBED LARGE WOODY DEBRIS PRIOR TO REMOVAL. FOLLOWING DEMOLITION, CONTRACTOR SHALL RETURN THE LARGE WOODY DEBRIS TO ITS APPROXIMATE ORIGINAL LOCATION.
- IF CONTRACTOR WORKS ABOVE ANY RETAINING WALLS OR SLOPES, THE CONTRACTOR IS TO VERIFY THAT THE WALL OR SLOPE CAN CARRY THE LOADS, OR THAT THEY ARE SUFFICIENTLY SHORED TO CARRY THE LOADS.

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 TESC FACILITIES SHALL BE INSPECTED DAILY BY THE TESC SUPERVISOR AND MAINTAINED TO ENSURE CONTINUED PROPER FUNCTIONING IN ACCORDANCE WITH THE SPECIFICATIONS.
- CONTRACTOR SHALL MAINTAIN EROSION CONTROL MEASURES 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.
- THE TESC FACILITIES OF INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE PER MONTH AND IMMEDIATELY FOLLOWING A STORM EVENT.
- 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.
- 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.
- ALL NON-SALVAGED MATERIAL REMOVED FROM THE SITE SHALL BE PLACED OR DISPOSED OF AT A PERMITTED SITE.
- 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).
- STABILIZED CONSTRUCTION ENTRANCE AND WASHOUT PADS SHALL BE DESIGNED BY THE CONTRACTOR, INSTALLED AT THE BEGINNING OF CONSTRUCTION, AND MAINTAINED TO MEET ALL APPLICABLE STANDARDS FOR THE DURATION OF THE PROJECT. ENGINEER SHALL REVIEW AND ACCEPT WASHOUT PAD DESIGN. ADDITIONAL METHODS MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- PAVED STREETS AND OTHER 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 A PORT OR TRAFFIC HAZARD MAY BE CREATED OR WHEN SEDIMENT TRANSPORTED BY THE WIND IS LIKELY TO BE DEPOSITED IN DRAINAGE WAYS, WATER RESOURCES, OR NON-PORT PROPERTY. WHEN USING WATER FOR DUST CONTROL, SPRAY UNTIL THE SOIL IS WET BUT RUNOFF IS NOT INITIATED.
- CONTRACTOR SHALL PROVIDE A CONTROL AREA FOR CUTTING TREATED TIMBER ALLOWING FOR COLLECTION, BAGGING, AND DISPOSAL OF SAWDUST.
- ALL TESC MEASURES SHALL BE REMOVED AND DISPOSED OF AT AN APPROVED SITE UPON PROJECT COMPLETION.

FISH MIX GRADATION:

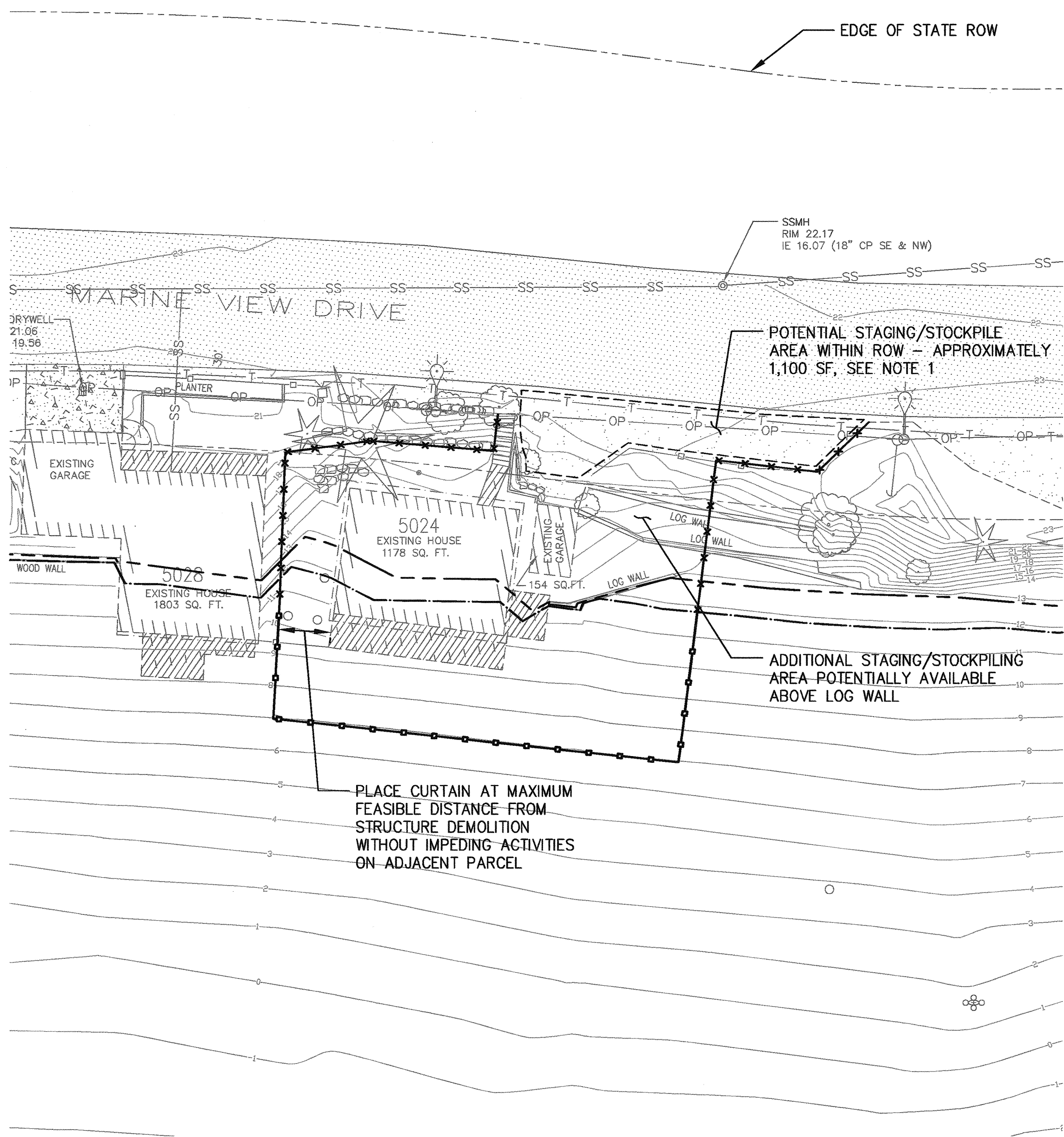
SIEVE SIZE	PERCENT PASSING BY WEIGHT
1" SQUARE	100
1/2" SQUARE	80 TO 100
3/8" SQUARE	40 TO 80
NO. 4	0 TO 40
NO. 40	10 TO 20
NO. 200	0 TO 5 MAX

MIX SHALL NOT CONTAIN SILTY OR CLAY TYPE SOILS AND SHALL BE ROUNDED, NOT ANGULAR ROCK.

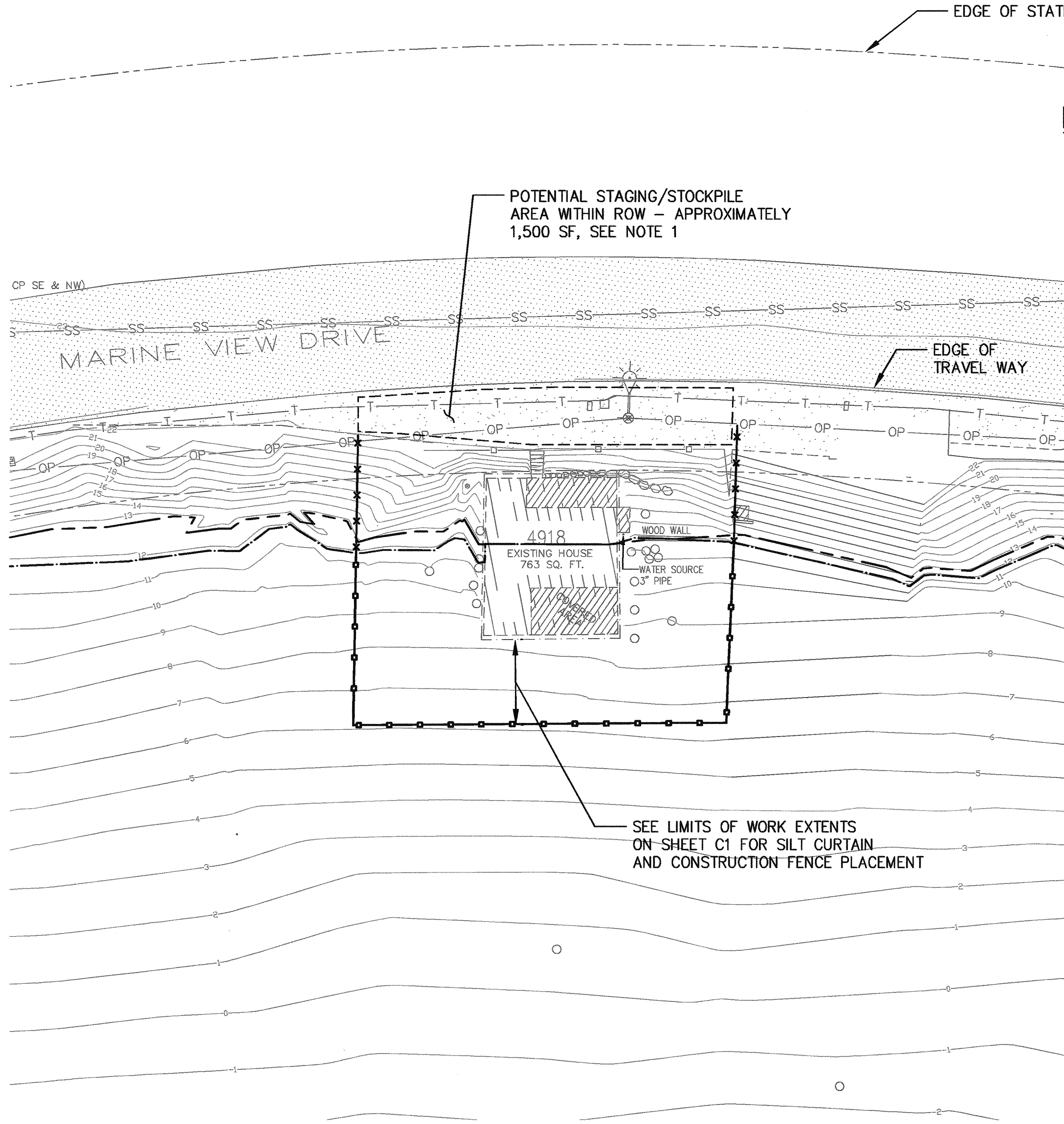
DATUM INFORMATION:

- HORIZONTAL DATUM: WA NORTH ZONE NAD 83
- VERTICAL DATUM: MLLW FT

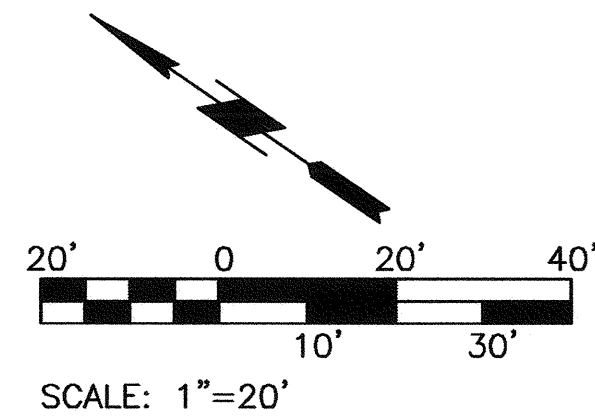
6525	C3 SHEET 4 OF 18 CONT/CONS: _____ M. ID: _____ PHASE: BID SET	MARINE VIEW DRIVE STRUCTURES DEMOLITION				GENERAL AND TESC NOTES				APPROVED: <i>[Signature]</i> 7-8-15 DIRECTOR ENG. DATE PRINTED BY: sstainer Jun 12, 2015 PORT ADDRESS: ONE SITCOM PLAZA TACOMA, WA 98401-1837				CHECKED BY _____ DATE _____ PROJ. ENGR DATE _____ DATE _____								 2407 North 31st Street, Suite 100 Tacoma, Washington 98503 (253) 396-0750 Fax (253) 396-0162 POLDEX 087 TACOMA, WA 98501 (253) 464-0441				 POLDEX 087 TACOMA, WA 98501 (253) 464-0441			
		TOWNSHIP: 21				RANGE: 03				SECTION: 22																			
		DAT-HRZ: NAD83/07				VERT: MLLW																							
		PARCEL: 8950200404				DRAWING SCALE: AS NOTED																							
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1
C1
5024 MARINE VIEW DRIVE
SCALE: 1:20



2
C1
4918 MARINE VIEW DRIVE
SCALE: 1:20



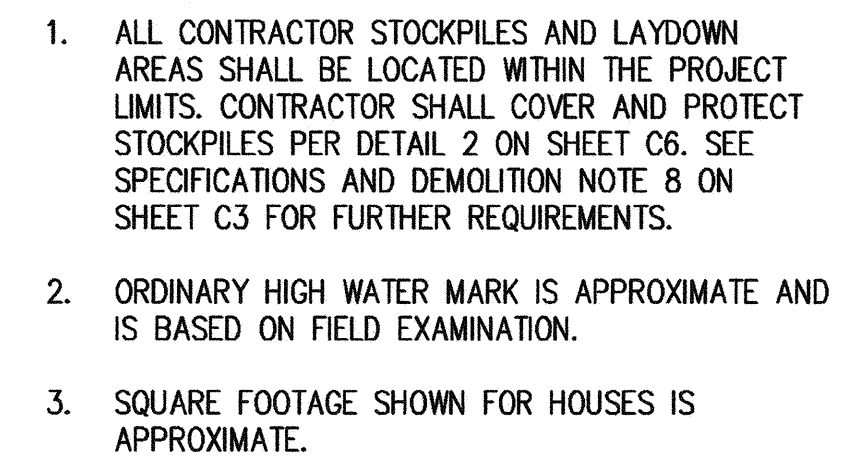
NOTES:

1. ALL CONTRACTOR STOCKPILES AND LAYDOWN AREAS SHALL BE LOCATED WITHIN THE PROJECT LIMITS. CONTRACTOR SHALL COVER AND PROTECT STOCKPILES PER DETAIL 2 ON SHEET C6. SEE SPECIFICATIONS AND DEMOLITION NOTE 8 ON SHEET C3 FOR FURTHER REQUIREMENTS.
2. ORDINARY HIGH WATER MARK IS APPROXIMATE AND IS BASED ON FIELD EXAMINATION.
3. SQUARE FOOTAGE SHOWN FOR HOUSES IS BASED ON RECORD SURVEY.

LEGEND:

- SILT CURTAIN **1**
C6
- ORDINARY HIGH WATER MARK (OHWM)
- MEAN HIGHER HIGH WATER (MHHW)
- CONSTRUCTION FENCE WITH SILT FENCE **5**
C6
- STAGING AND STOCKPILE BOUNDARY

6525	C4 SHEET 5 OF 18 CONT/CONS: _____ M. ID: _____ PHASE: BID SET	MARINE VIEW DRIVE STRUCTURES DEMOLITION				APPROVED: <i>[Signature]</i> 2-8-15	CHECKED BY: _____ DATE: _____
		TESC SITE PLAN 4918 AND 5024 MVD				DIRECTOR ENG. DATE: _____	PROJ. ENGR. DATE: _____
		TOWNSHIP: 21	RANGE: 03	SECTION: 22	PRINTED BY: stainer Jun 12, 2015	PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837	
		DAT-HRZ: NAD83/07	VERT: MLLW	DRAWING SCALE: AS NOTED			
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1
C6

SILT CURTAIN

2

ORDINARY HIGH WATER MARK (OHWM)

3

MEAN HIGHER HIGH WATER (MHHW)

4

CONSTRUCTION FENCE WITH SILT FENCE

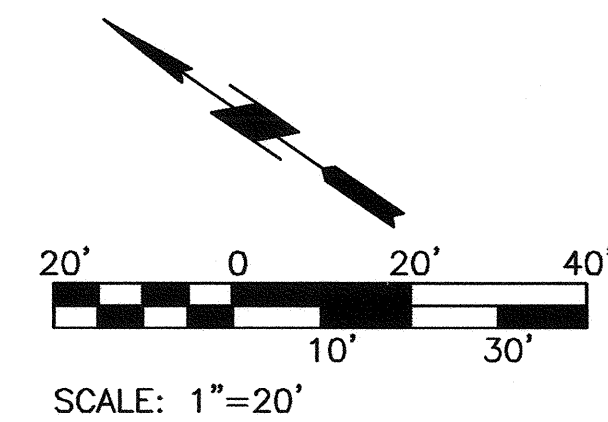
5
C6

STAGING AND STOCKPILE BOUNDARY

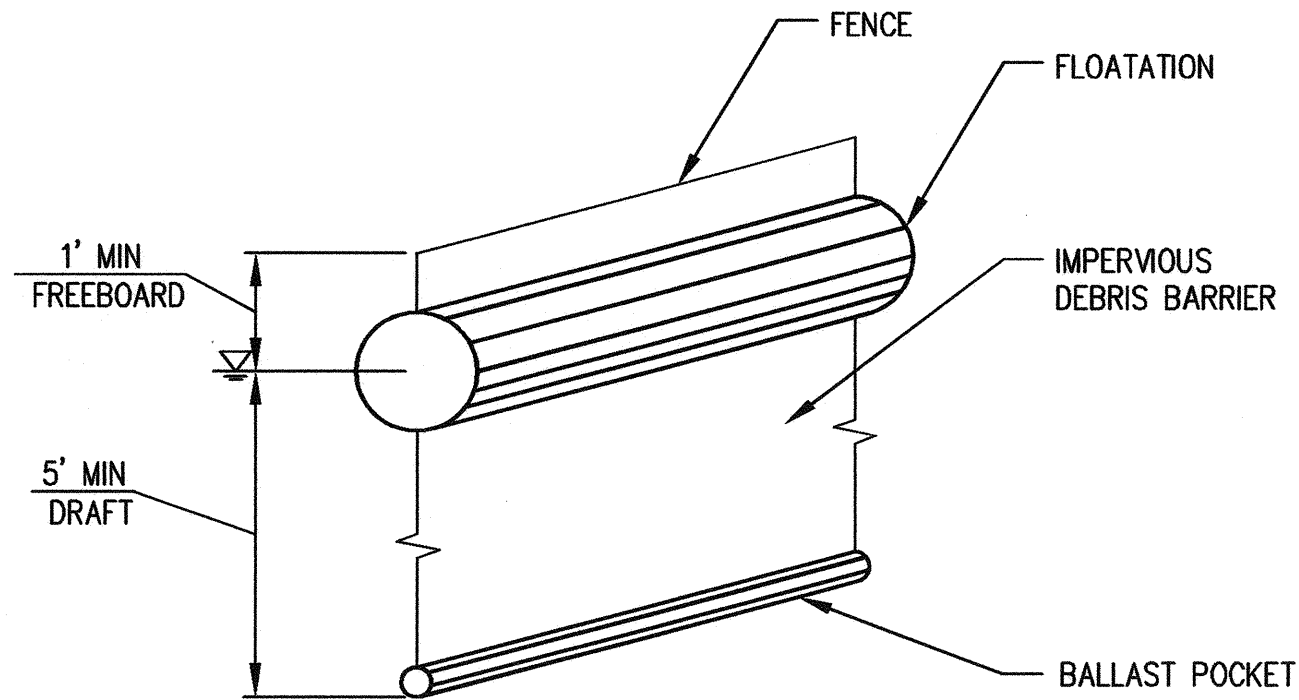
INLET PROTECTION

3
C6

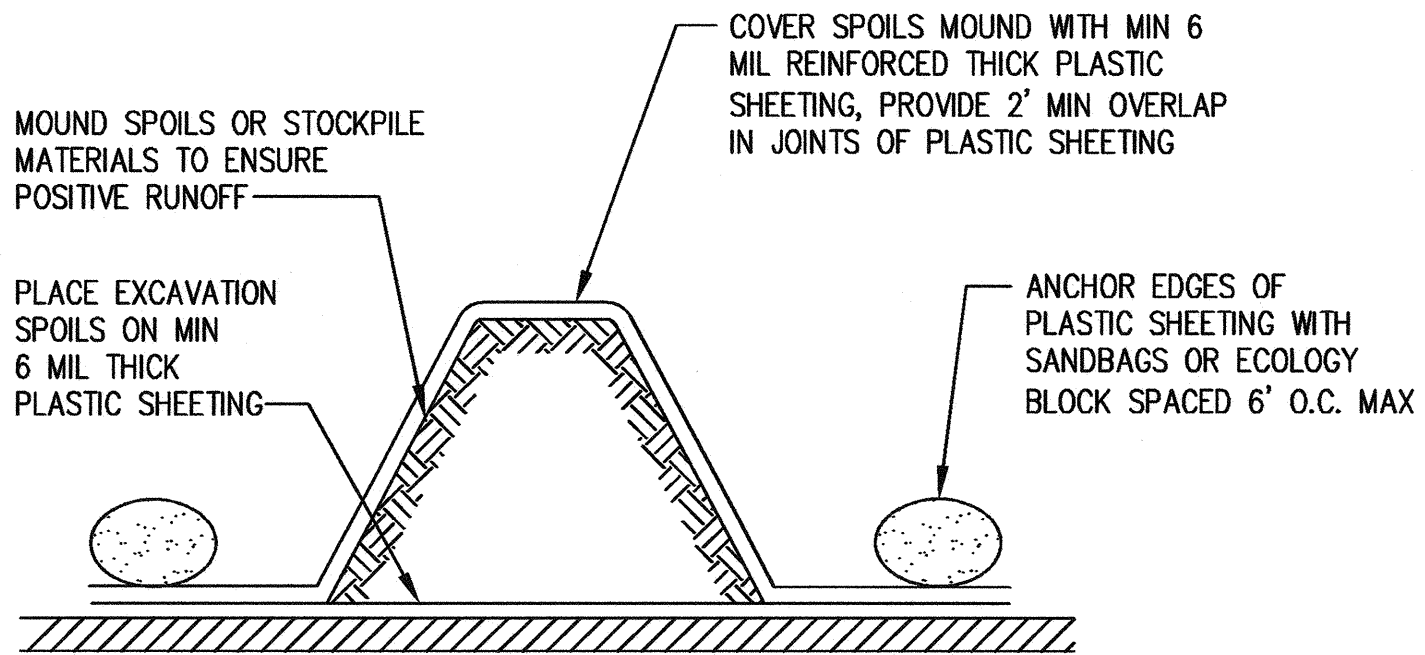
SURFACE FLOW



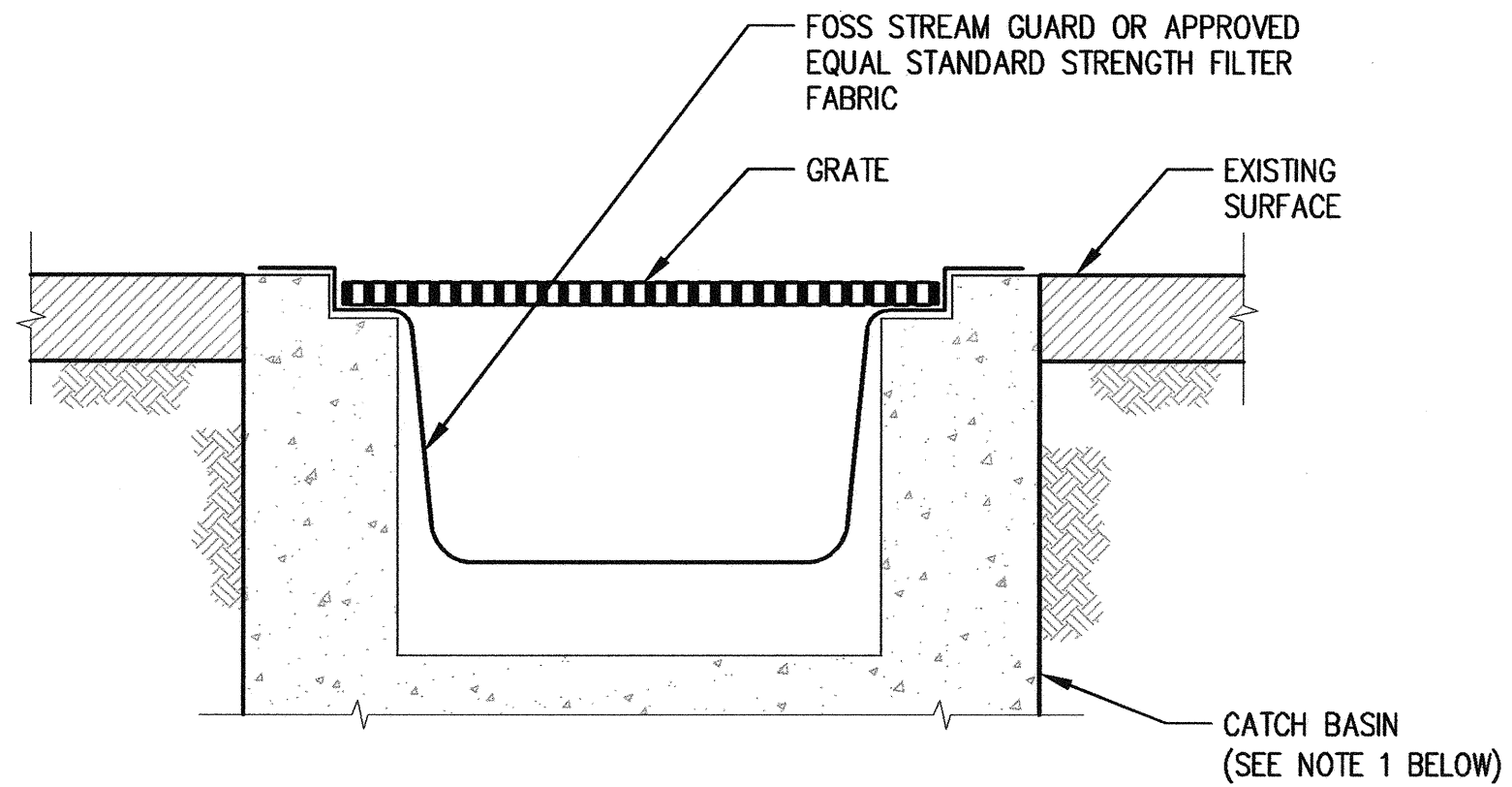
1 4720, 4722, AND 4728 MARINE VIEW DRIVE
C2 SCALE: 1:20



1
C4, C5
SILT CURTAIN
NTS



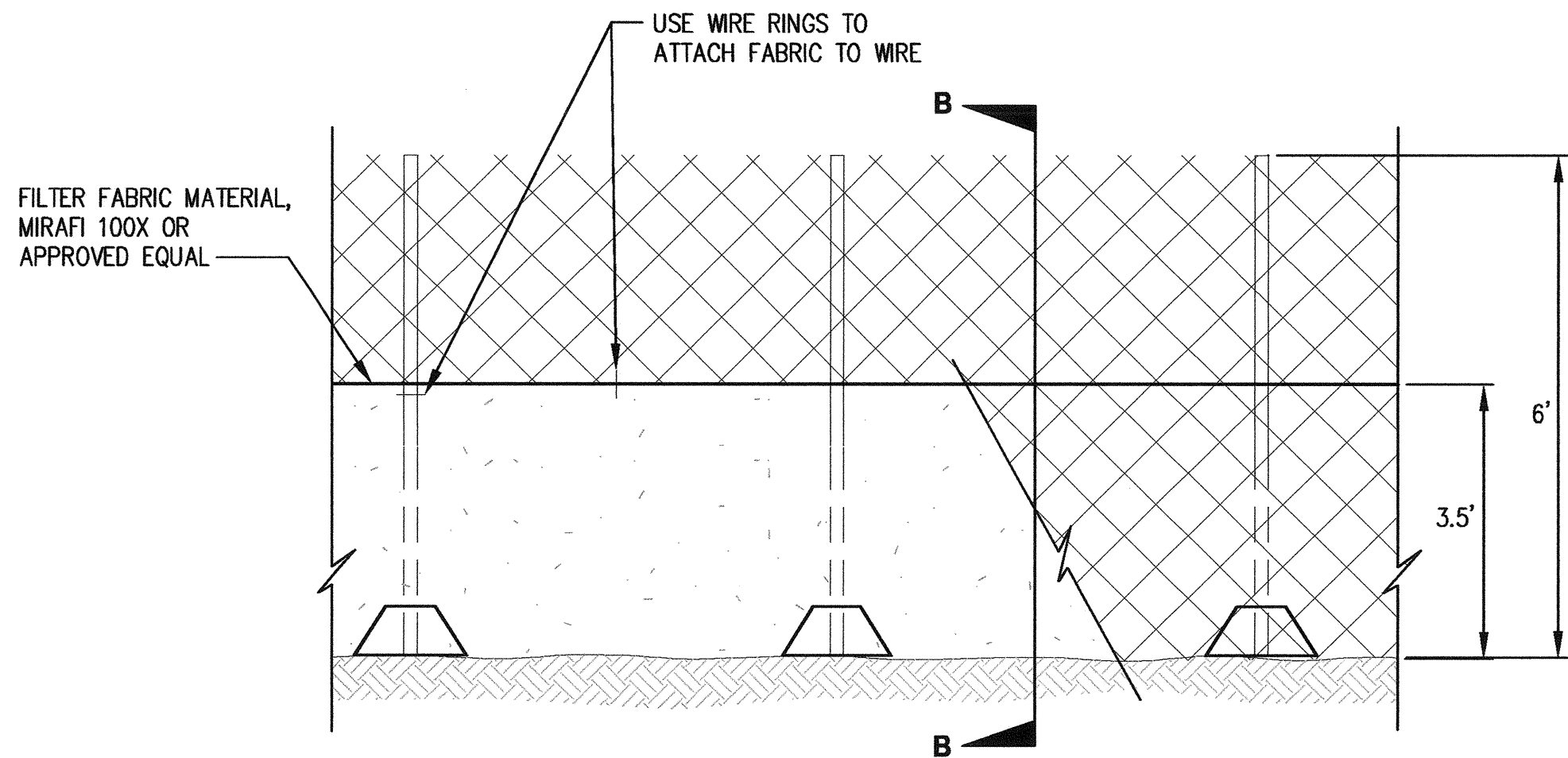
2
C4, C5
STOCKPILE PROTECTION DETAIL
NTS



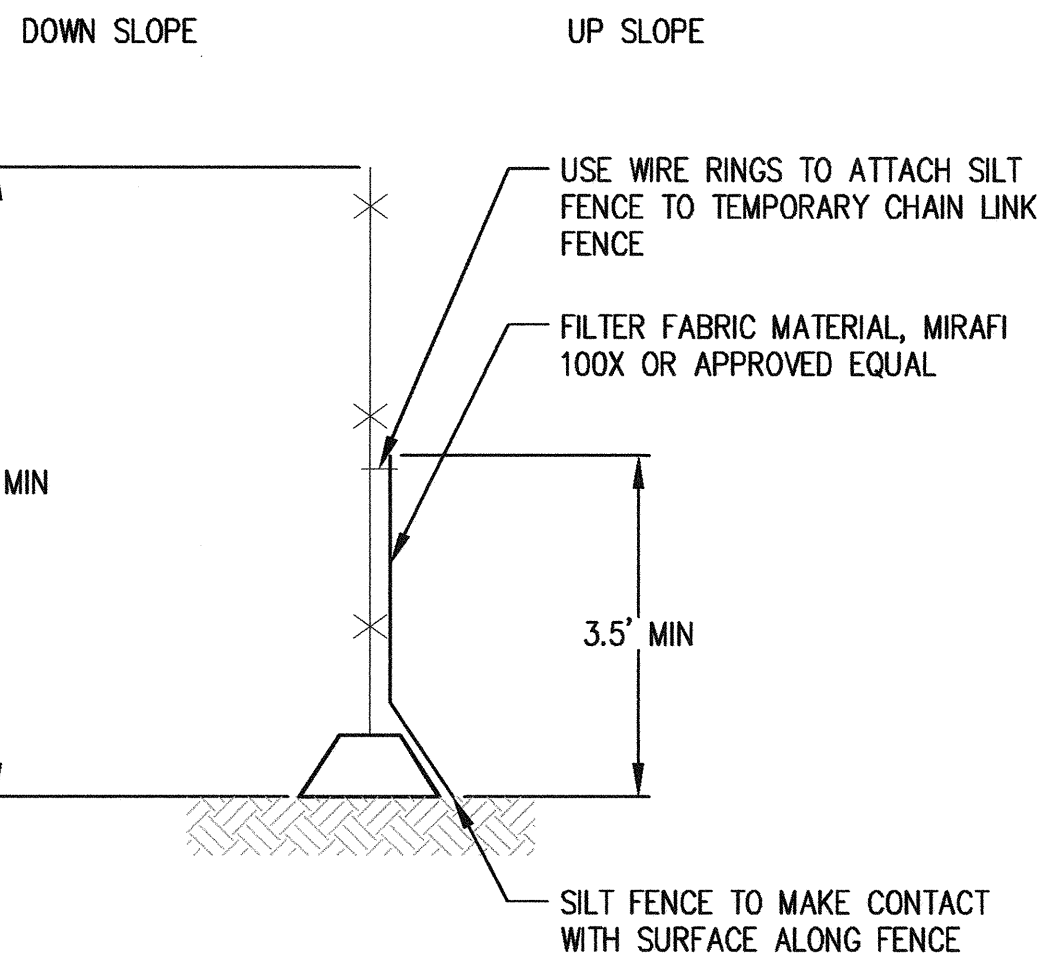
MAINTENANCE STANDARDS:

1. EXISTING CATCH BASINS SHALL BE FITTED WITH FILTER FABRIC AS SHOWN.
2. ANY ACCUMULATED SEDIMENT ON OR AROUND THE FILTER FABRIC SHALL BE REMOVED IMMEDIATELY. SEDIMENT SHALL NOT BE REMOVED BY FLUSHING WITH WATER. ALL SEDIMENT MUST BE DISPOSED OF OFF-SITE.

3
C5
INLET PROTECTION DETAIL
NTS

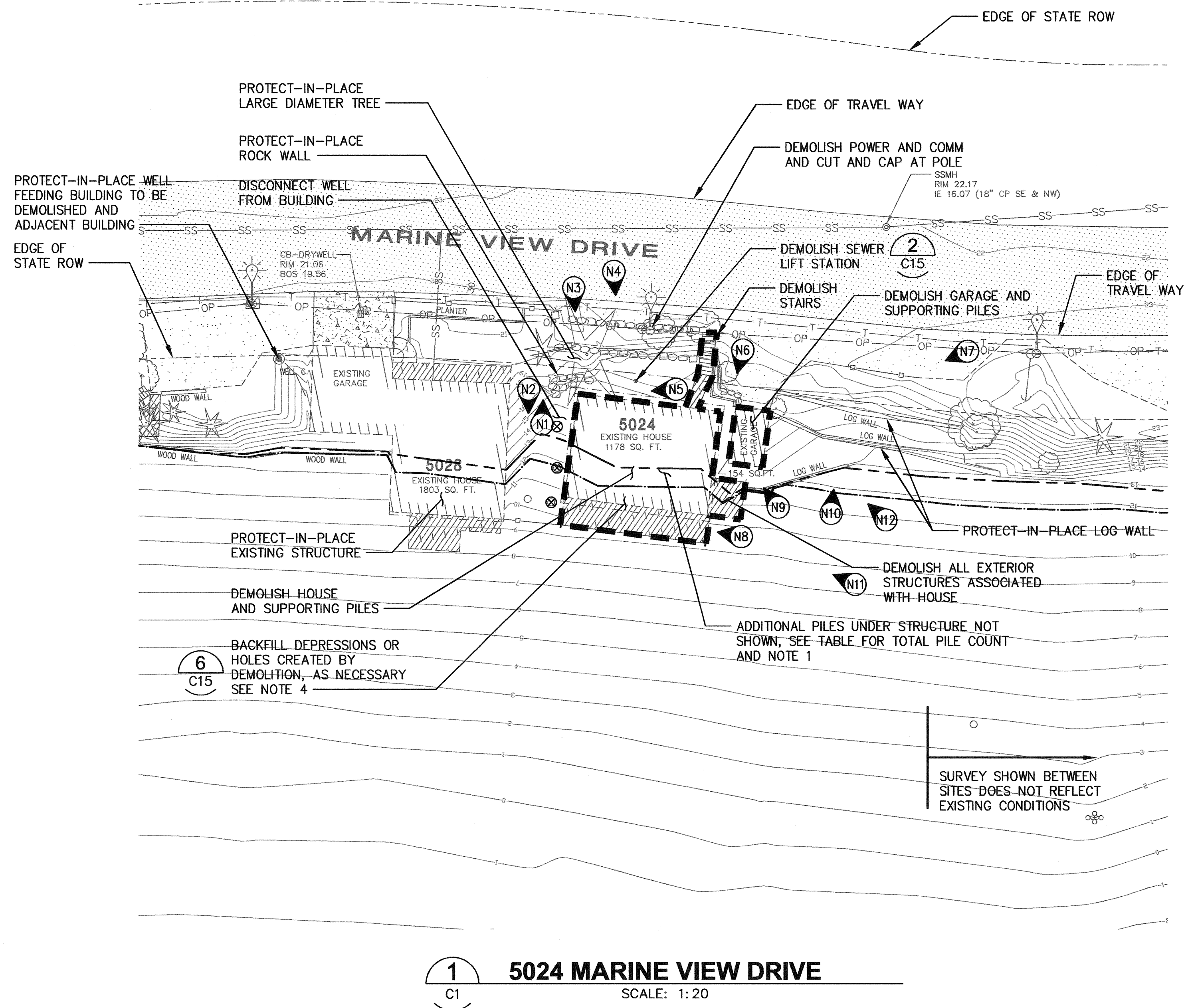


4
C5
SILT FENCE WITH CONSTRUCTION FENCE
NTS



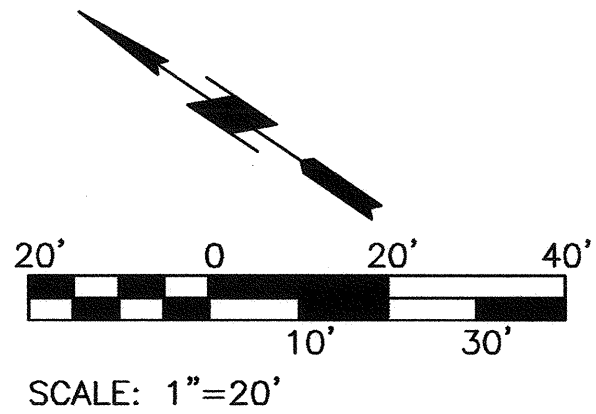
SECTION B-B

6525	C6 SHEET 7 OF 18	MARINE VIEW DRIVE STRUCTURES DEMOLITION				APPROVED: <i>[Signature]</i> 7-8-15		CHECKED BY		DATE	
		TESC DETAILS						DIRECTOR ENG. DATE		PROJ. ENGR DATE	
		TOWNSHIP: 21		RANGE: 03		SECTION: 22		PRINTED BY: gcrey		Jun 12, 2015	
		DAT-HRZ: NAD83/07		VERT: MLLW		PORT ADDRESS: ONE SITCUM PLAZA					
		PARCEL: 8950200404		DRAWING SCALE: AS NOTED		TACOMA, WA 98401-1837					



DEMOLITION QUANTITIES AT 5024 MVD (SEE NOTE 5)					
	ABOVE MHHW	BELOW MHHW	ABOVE OHWM	BELOW OHWM	TOTAL
6"Ø-9"Ø PILES		6		6	6
10"Ø-14Ø PILES	24	11	20	15	35
15"Ø-20"Ø PILES		2		2	2
8"x8" PRESSURE TREAT PILES					
12"Ø-15"Ø CEDAR PILES	1		1		1
DEMOLISH STRUCTURE*	1250 SF	600 SF	970 SF	880 SF	1850 SF

* INCLUDES HOUSE, DECKS AND GARAGE



LEGEND:

- DEMOLITION BOUNDARY
- - - - - ORDINARY HIGH WATER MARK (OHWM) SEE NOTE 3
- MEAN HIGHER HIGH WATER (MHHW)
- ⊗ DEMOLISH PILE (SEE NOTE 1)
- ⬮ DEMO PHOTO LOCATION

NOTES:

- ALL PILES BELOW STRUCTURES NOT ASSOCIATED WITH BULKHEAD, AS WELL AS IDENTIFIED PILES WITHIN LIMITS OF WORK, SHALL BE DEMOLISHED PER DEMOLITION NOTE 11 ON SHEET C3. PILES ASSOCIATED WITH BULKHEAD ARE TO BE CUT PER DETAIL 5 ON SHEET C15.
- WELL SHALL BE DECOMMISSIONED IN ACCORDANCE WITH WAC 173-160 BY A LICENSED WELL DRILLER.
- ORDINARY HIGH WATER MARK IS APPROXIMATE AND IS BASED ON FIELD EXAMINATION.
- RESTORE DISTURBED SURFACES WITH FISH MIX BELOW OHWM AND COMPOST AMENDED SOIL WITH HYDROSEED ABOVE OHWM, SEE DETAIL 6 ON SHEET C15.
- PILE DISTRIBUTION ABOVE AND BELOW MHHW/OHWM IS BASED ON FIELD VISITS AND VISUAL INSPECTION, AND HAS NOT BEEN VERIFIED WITH SURVEY.
- SQUARE FOOTAGE SHOWN FOR HOUSES IS APPROXIMATE.

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APPROVED: *[Signature]*
DIRECTOR ENG. DATE: 7-8-15
PRINTED BY: ggrey JUN 12, 2015
PORT ADDRESS: ONE SITCOM PLAZA
TACOMA, WA 98401-1837

6625

C7

SHEET 8 OF 18

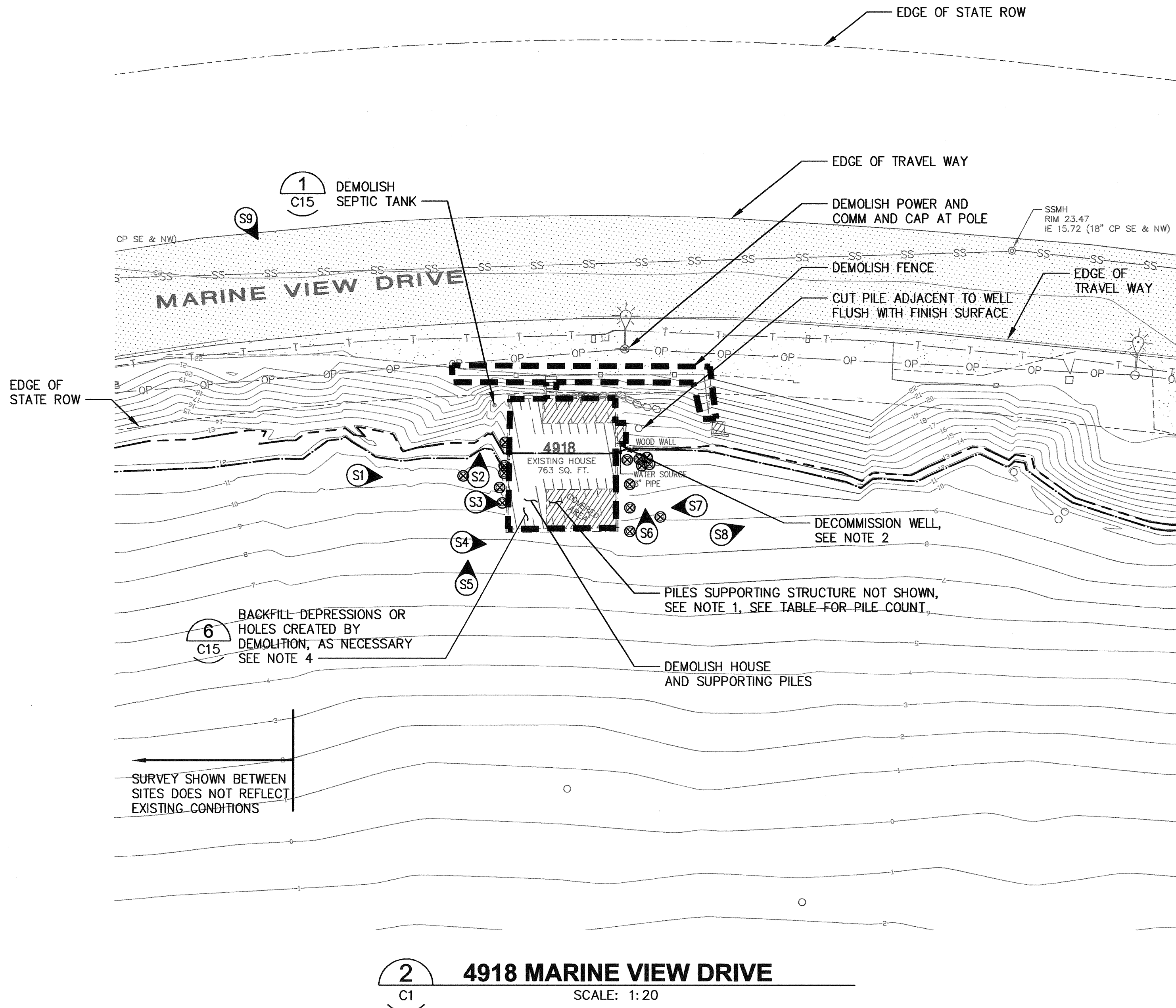
CONTRACT/CONS: _____
M. ID: _____
PHASE: BID SET

MARINE VIEW DRIVE STRUCTURES DEMOLITION

DEMOLITION AND SITE PLAN
5024 MVD

TOWNSHIP: 21 RANGE: 03 SECTION: 22
DAT-HRZ: NAD83/07 VERT: MLLW
PARCEL: 8950200404 DRAWING SCALE: AS NOTED

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DEMOLITION QUANTITIES AT 4918 MVD (SEE NOTE 5)					
	ABOVE MHHW	BELOW MHHW	ABOVE OHWM	BELOW OHWM	TOTAL
6"Ø-9"Ø PILES		1		1	1
10"Ø-14Ø PILES	1	34	1	34	35
15"Ø-20"Ø PILES	1	8	1	8	9
8"x8" PRESSURE TREAT PILES		2		2	2
12"Ø-15"Ø CEDAR PILES		2		2	2
DEMOLISH STRUCTURE*	580 SF	650 SF	580 SF	650 SF	1230 SF

* INCLUDES HOUSE AND DECKS

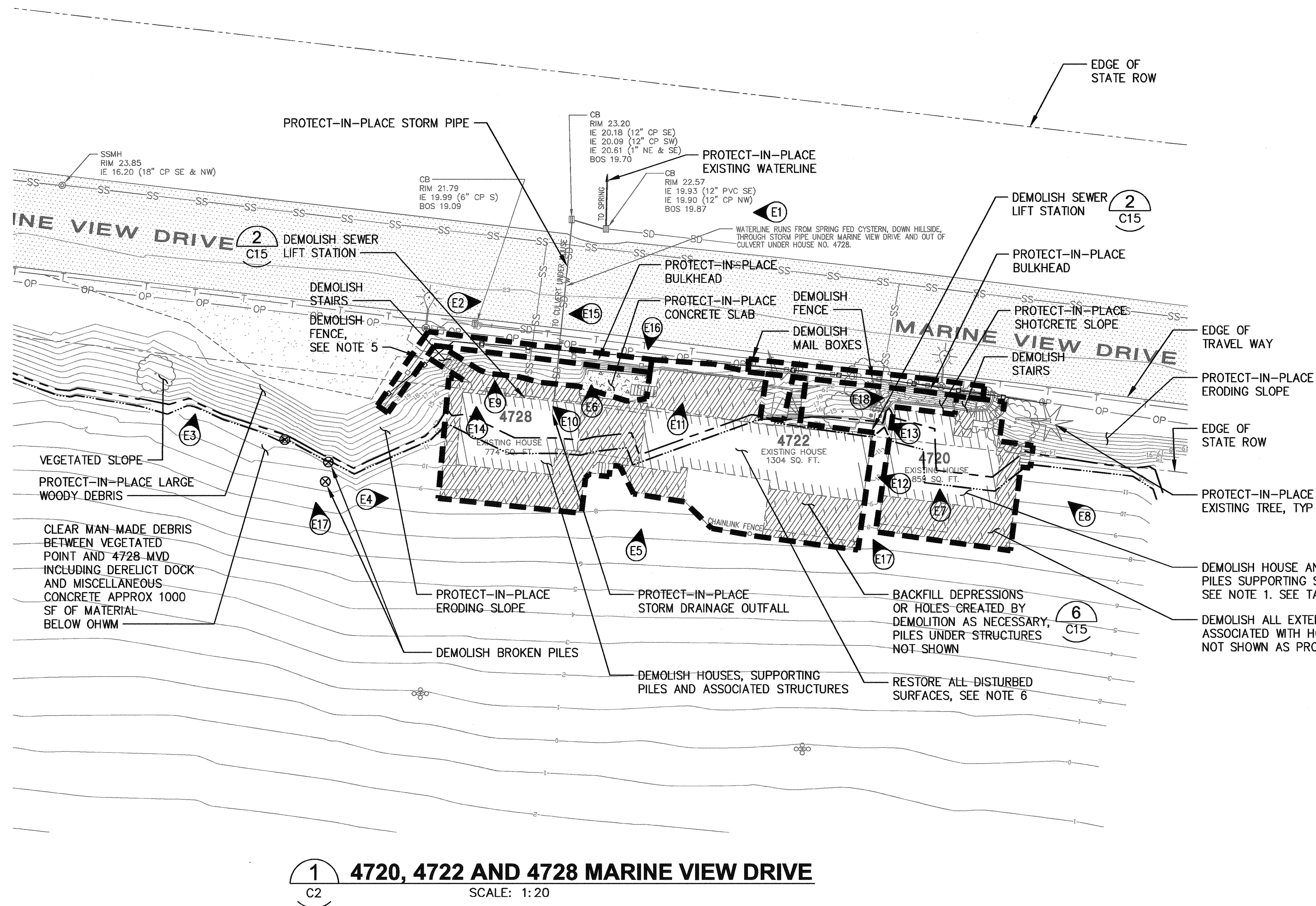
NOTES:

- ALL PILES BELOW STRUCTURES NOT ASSOCIATED WITH BULKHEAD, AS WELL AS IDENTIFIED PILES WITHIN LIMITS OF WORK, SHALL BE DEMOLISHED PER DEMOLITION NOTE 11 ON SHEET C3 AND PILES ASSOCIATED WITH BULKHEAD ARE TO BE CUT PER DETAIL 5 ON SHEET C15.
- WELL SHALL BE DECOMMISSIONED IN ACCORDANCE WITH WAC 173-160 BY A LICENSED WELL DRILLER.
- ORDINARY HIGH WATER MARK IS APPROXIMATE AND IS BASED ON FIELD EXAMINATION.
- RESTORE DISTURBED SURFACES WITH FISH MIX BELOW OHWM AND COMPOST AMENDED SOIL WITH HYDROSEED ABOVE OHWM, SEE DETAIL 6 ON SHEET C15.
- PILE DISTRIBUTION ABOVE AND BELOW MHHW/OHWM IS BASED ON FIELD VISITS AND VISUAL INSPECTION, AND HAS NOT BEEN VERIFIED WITH SURVEY.
- SQUARE FOOTAGE SHOWN FOR HOUSES IS APPROXIMATE.

LEGEND:

- DEMOLITION BOUNDARY
- ORDINARY HIGH WATER MARK (OHWM) SEE NOTE 2
- MEAN HIGHER HIGH WATER (MHHW)
- DEMOLISH PILE (SEE NOTE 1)
- DEMO PHOTO LOCATION

6525	C8 SHEET 9 OF 18 COUNT/CONS: M. ID: PHASE: BID SET	MARINE VIEW DRIVE STRUCTURES DEMOLITION				APPROVED: <i>[Signature]</i> 7-8-15		CHECKED BY: DATE	
		DEMOLITION AND SITE PLAN				DIRECTOR ENG. DATE		PROJ. ENGR DATE	
		TOWNSHIP: 21 RANGE: 03 SECTION: 22				PRINTED BY: gcoorey Jun 12, 2015		PORT ADDRESS: ONE SITCUM PLAZA	
		DAT-HRZ: NAD83/07 VERT: MLLW				PARCEL: 8950200404		DRAWING SCALE: AS NOTED	
PORT OF Tacoma Consulting Engineers 2407 North 31st Street, Suite 100 Tacoma, Washington 98503 (253) 396-0750 Fax (253) 396-0762 P.O. BOX 1887 TACOMA, WA 98401-1887		kpf1f		MADE IN WASHINGTON STATE OF WASHINGTON JUL 12 2015 PROFESSIONAL SEAL		MARK: REVISION: BY: APPR: DATE:		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	



NOTES:

- ALL PILES BELOW STRUCTURES NOT ASSOCIATED WITH BULKHEAD, AS WELL AS IDENTIFIED PILES WITHIN LIMITS OF WORK, SHALL BE DEMOLISHED PER DEMOLITION NOTE 11 ON SHEET C3 AND PILES ASSOCIATED WITH BULKHEAD ARE TO BE CUT PER DETAIL 5 ON SHEET C15.
- WELL SHALL BE DECOMMISSIONED IN ACCORDANCE WITH WAC 173-160 BY A LICENSED WELL DRILLER.
- ORDINARY HIGH WATER MARK IS APPROXIMATE AND IS BASED ON FIELD EXAMINATION.
- DEMOLISH POWER AND COMMUNICATIONS FEEDING EACH STRUCTURE AND DISCONNECT AT POLE.
- AFTER DEMOLITION OF EXISTING FENCE, INSTALL CHAIN LINK FENCE, SEE SHEET C16.
- RESTORE DISTURBED SURFACES WITH FISH MIX BELOW OHWM AND COMPOST AMENDED SOIL WITH HYDROSEED ABOVE OHWM, SEE DETAIL 6 ON SHEET C15.
- PILE DISTRIBUTION ABOVE AND BELOW MHHW/OHWM IS BASED ON FIELD VISITS AND VISUAL INSPECTION, AND HAS NOT BEEN VERIFIED WITH SURVEY.
- SQUARE FOOTAGE SHOWN FOR HOUSES IS APPROXIMATE.

LEGEND:

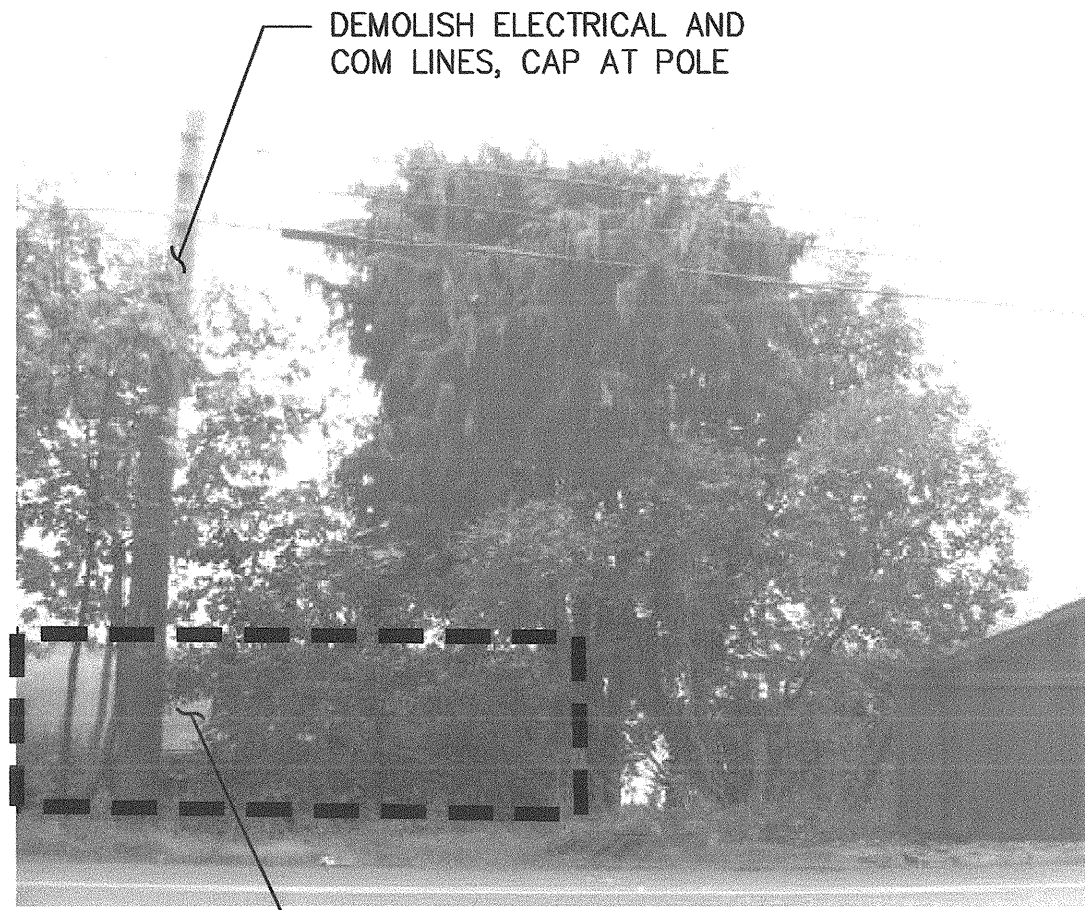
- DEMOLITION BOUNDARY
- ORDINARY HIGH WATER MARK (OHWM) SEE NOTE 3
- MEAN HIGHER HIGH WATER (MHHW)
- DEMOLISH PILE (SEE NOTE 1)
- DEMO PHOTO LOCATION

Port of Tacoma P.O. BOX 1887 TACOMA, WA 98401-1887	Consulting Engineers kpr11 2407 North 31st Street, Suite 100 Tacoma, Washington 98403 (253) 396-0750 Fax (253) 396-0762		BY: _____	DATE: _____
	MARK: _____	REVISION: _____	APPR: _____	DATE: _____
	MADE ANY CHANGES TO THIS PROJECT? YES _____ NO _____			
	CHECKED BY: _____ DATE: _____			
C9 SHEET 10 OF 18 CONTRACT/CONS: _____ M. ID: _____ PHASE: BID SET	DEMOLITION AND SITE PLAN 4720, 4722 AND 4728 MVD		DIRECTOR ENG. DATE: 7-8-15	
	TOWNSHIP: 21		PRINTED BY: gcooley Jun 12, 2015	
	DAT-HRZ: NAD83/07		PORT ADDRESS: ONE SITCUM PLAZA	
	PARCEL: 8950200404		TACOMA, WA 98401-1837	

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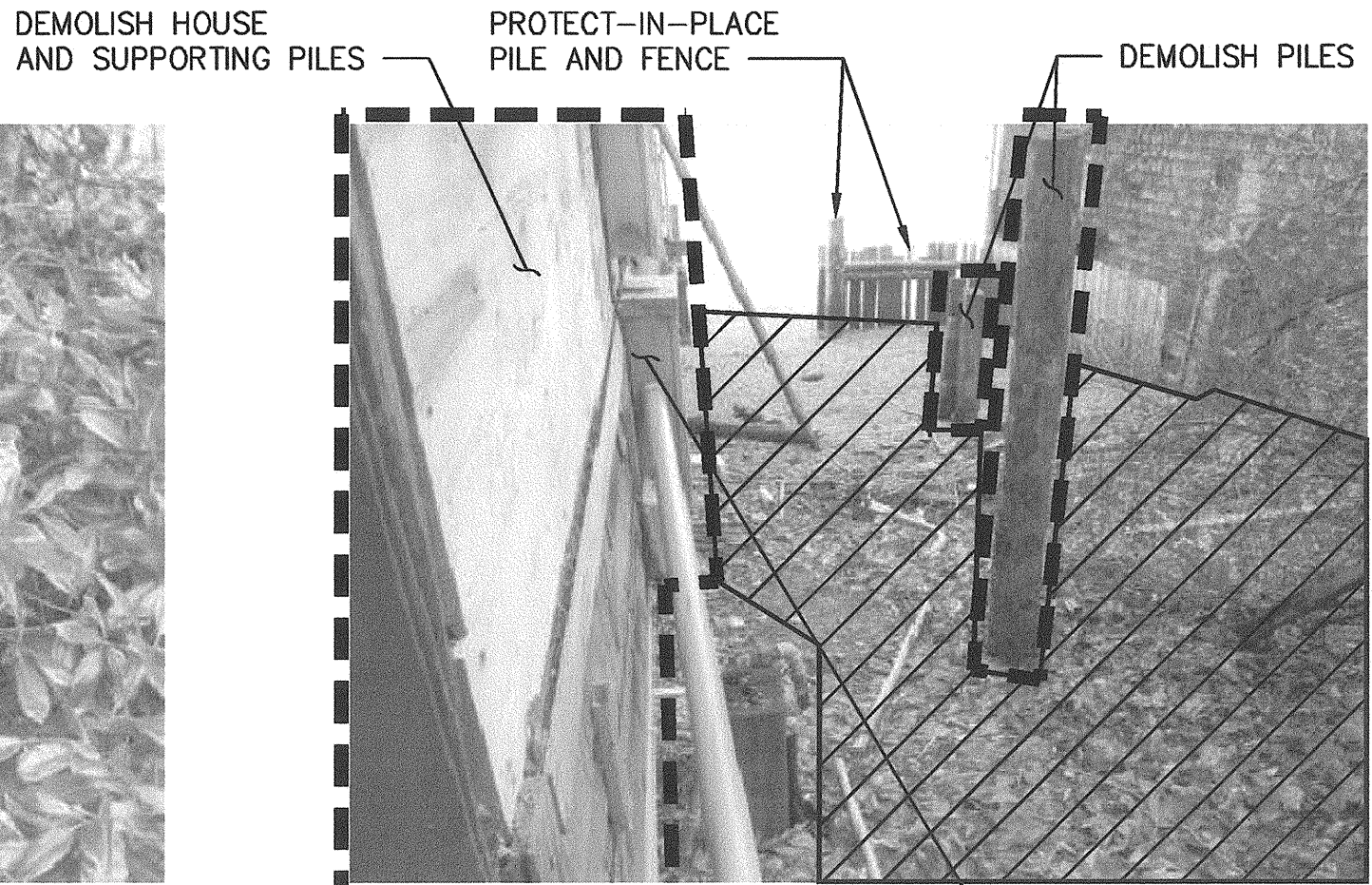
N1 PHOTO



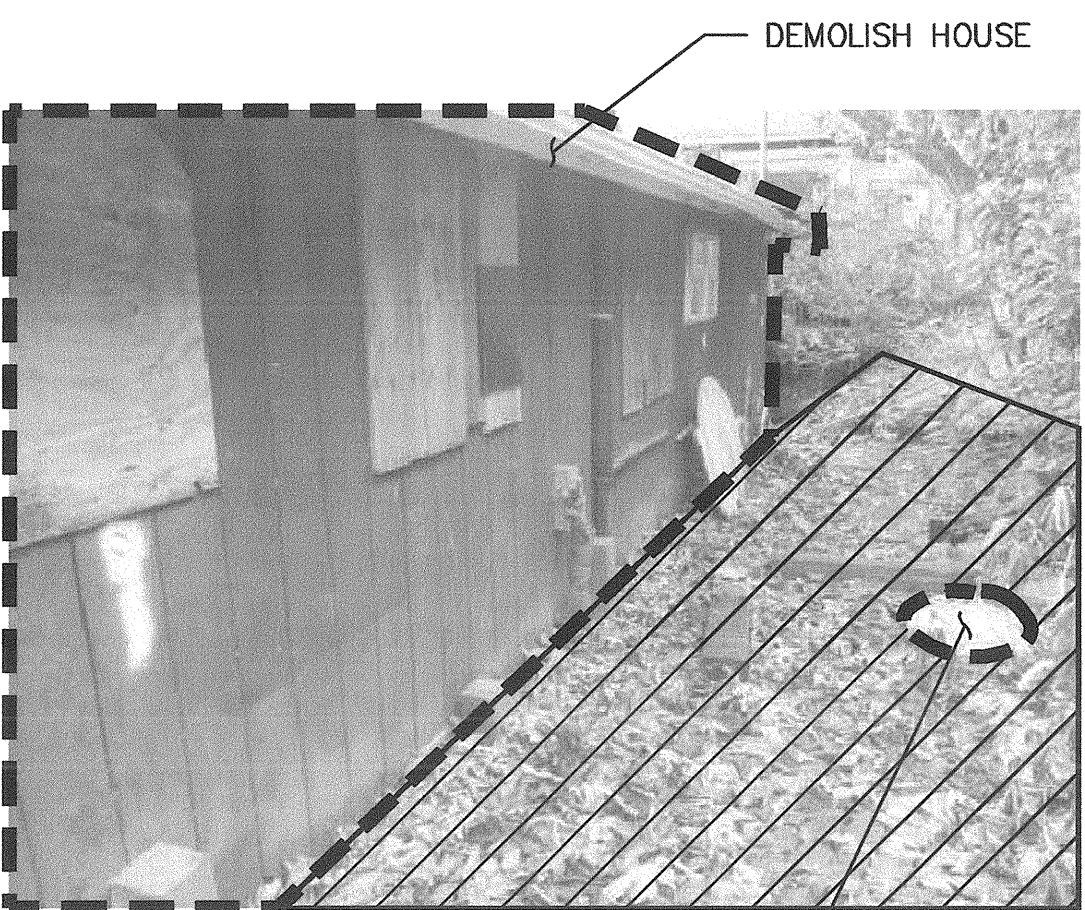
N4 PHOTO



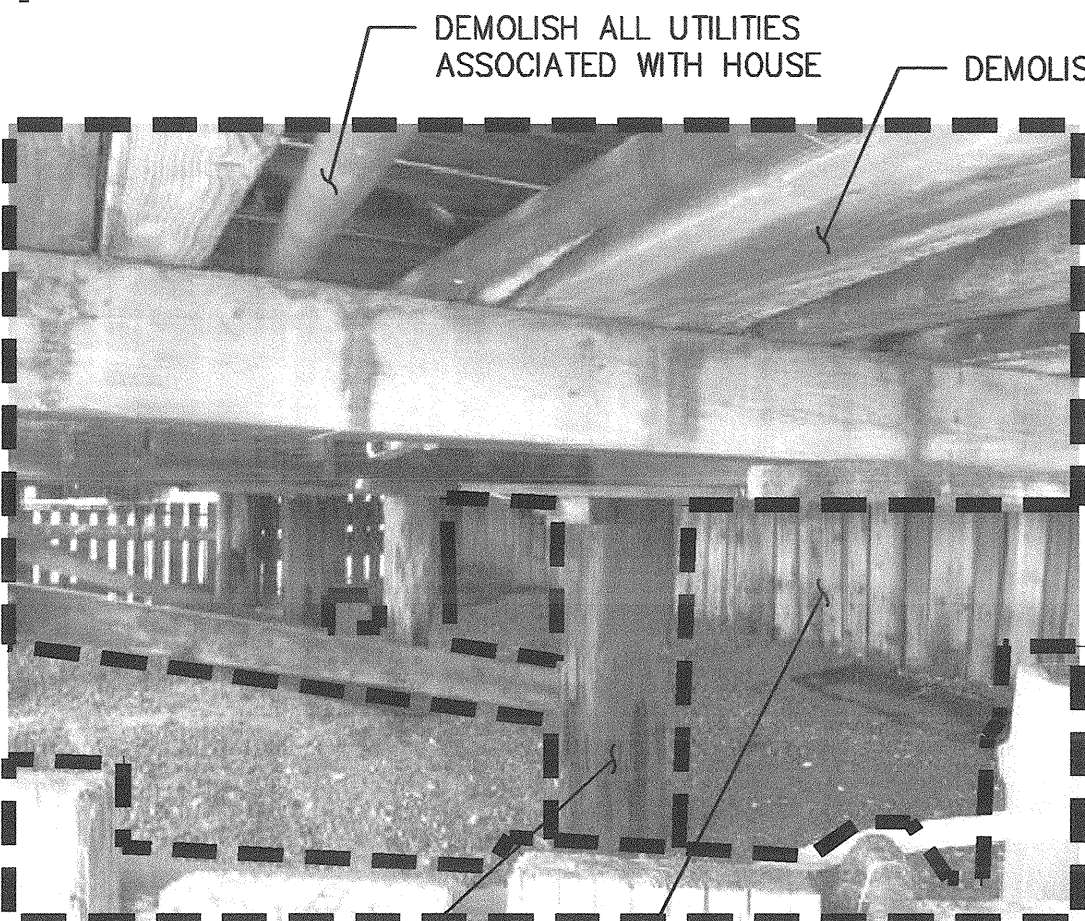
N7 PHOTO



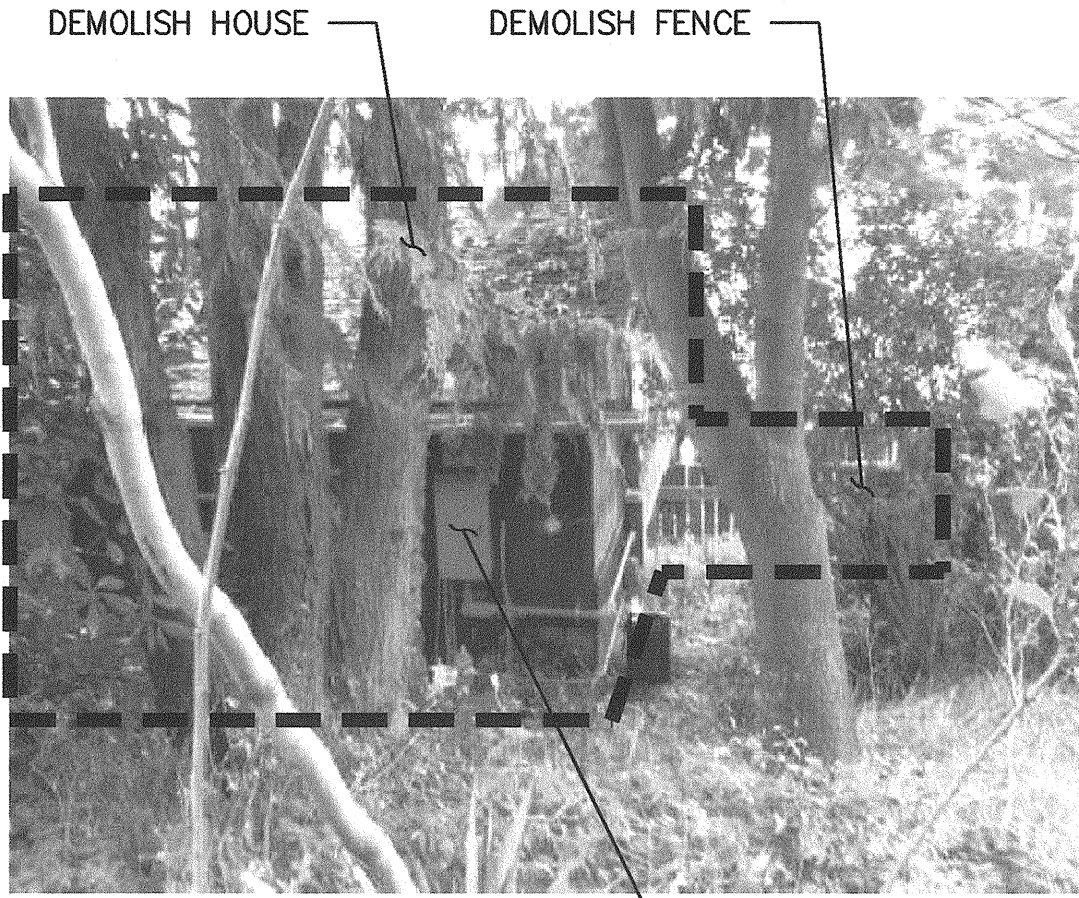
N2 PHOTO



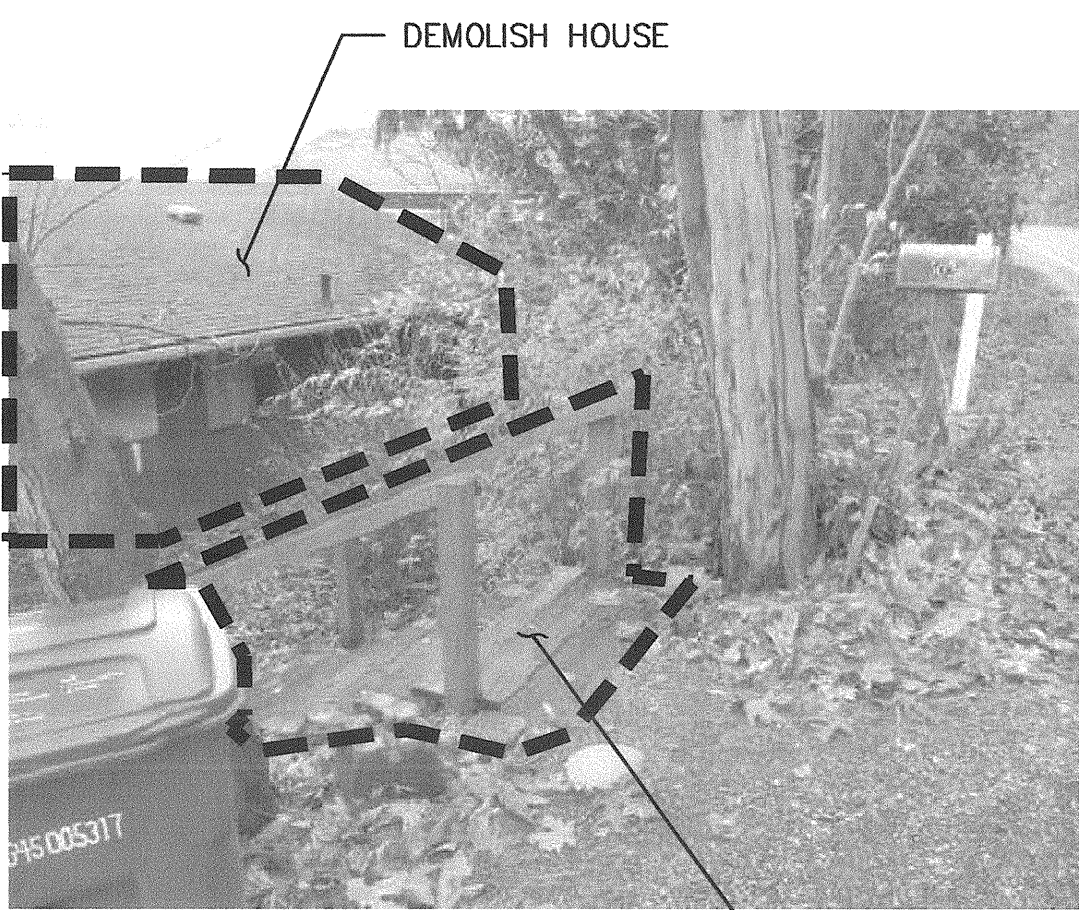
N5 PHOTO



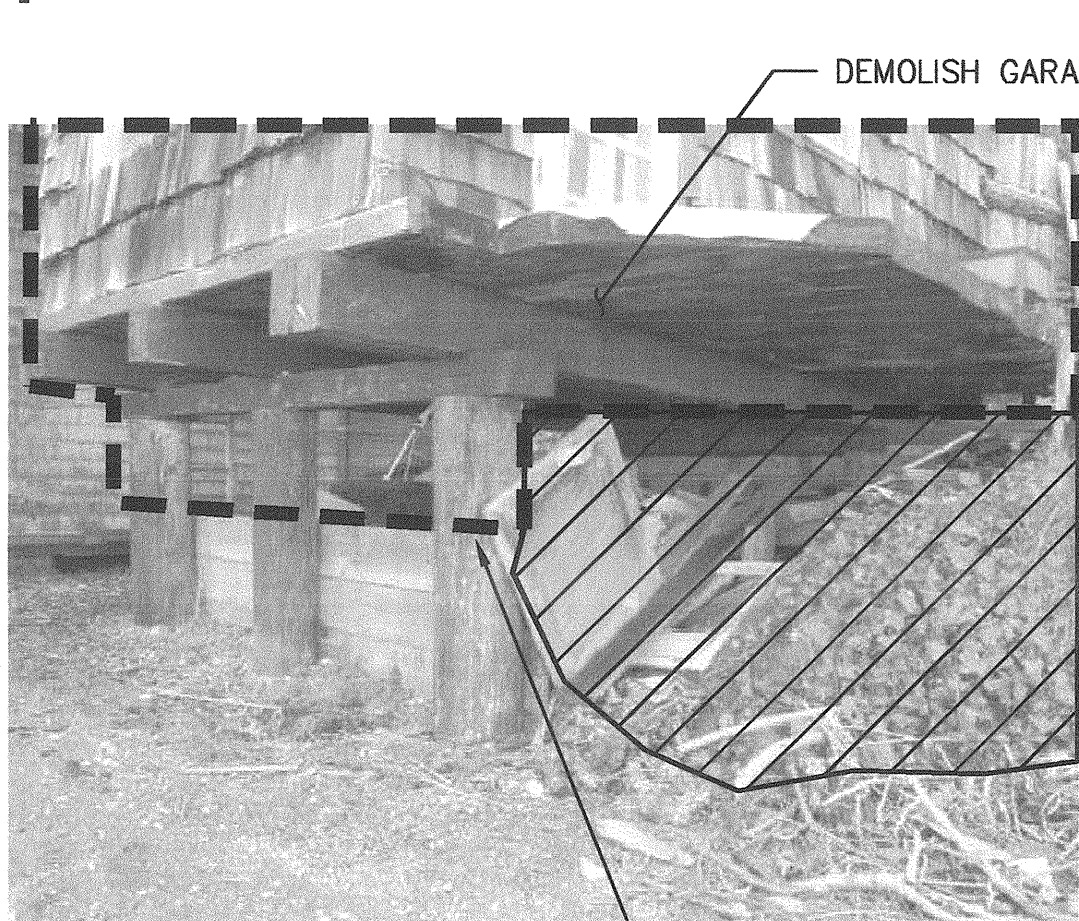
N8 PHOTO



N3 PHOTO



N6 PHOTO



N9 PHOTO

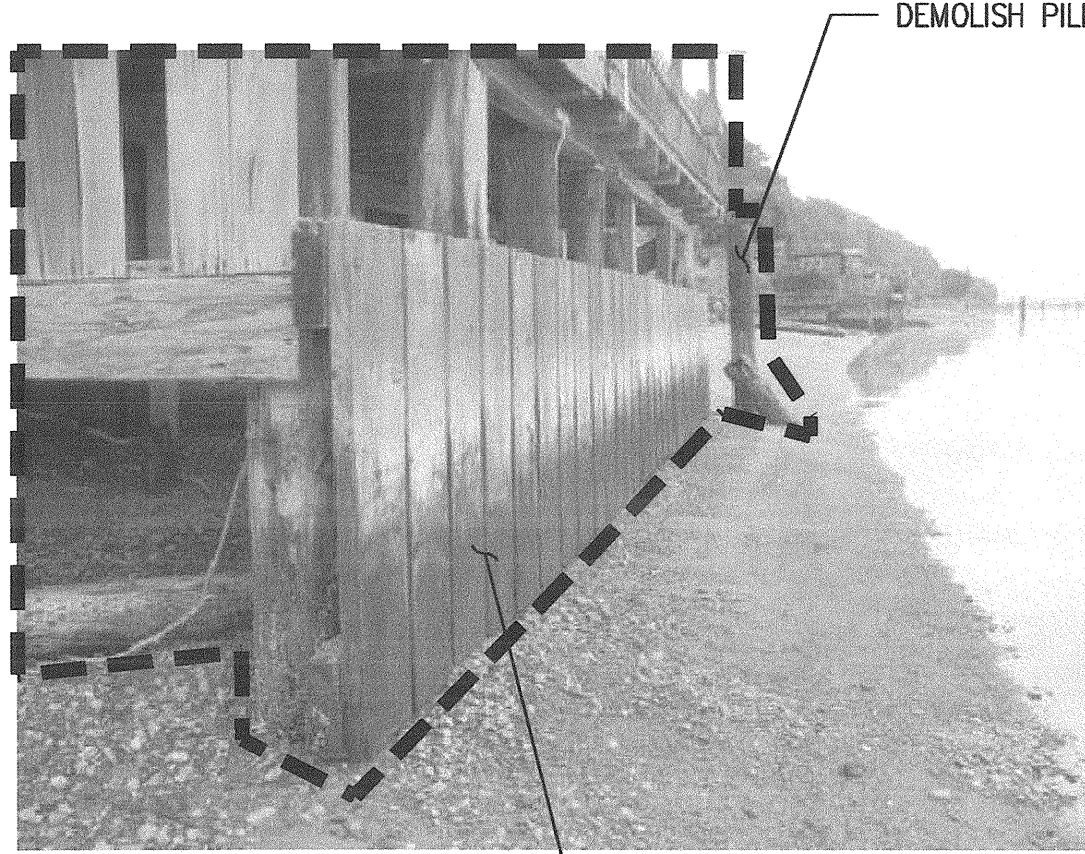
NOTES:

1. DEMOLITION BOUNDARY ILLUSTRATES APPROXIMATE EXTENTS OF ABOVE GROUND AND ABOVE WATERLINE DEMOLITION AND DEBRIS REMOVAL. ADDITIONAL DEMOLITION AND DEBRIS REMOVAL IS REQUIRED BELOW GROUND AND WATERLINE, SEE SPECIFICATIONS.
2. 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.

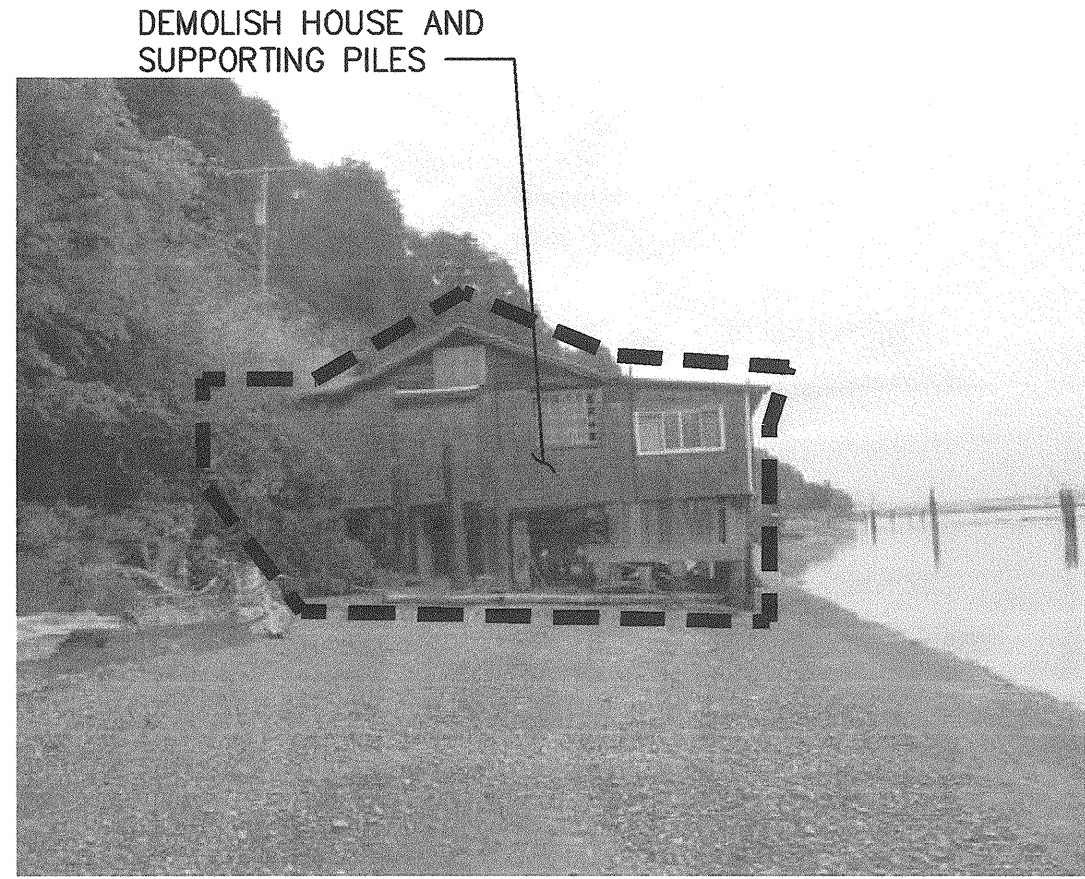
LEGEND:

- DEMOLITION BOUNDARY (SEE NOTE 1)
- DEBRIS REMOVAL

6525	C10	MARINE VIEW DRIVE STRUCTURES DEMOLITION				APPROVED: <i>[Signature]</i>		CHECKED BY: <i>[Signature]</i> DATE: <i>7-8-15</i>		k p f i Consulting Engineers 2407 North 31st Street, Suite 100 Tacoma, Washington 98503 (253) 396-0150 Fax (253) 396-0162 P.O. BOX 687 TACOMA, WA 98401 (253) 396-0441	Port of Tacoma P.O. BOX 687 TACOMA, WA 98401 (253) 396-0441
		PHOTO SHEET 1		DIRECTOR ENG. DATE: <i>7-8-15</i>		PROJ. ENGR DATE: <i>7-8-15</i>		MARK: <i>[Signature]</i>	REVISION: <i>[Signature]</i>		
SHEET 11 OF 18		TOWNSHIP: 21		RANGE: 03	SECTION: 22	PRINTED BY: <i>gcarey</i>		DATE: Jun 12, 2015			
CONT/CONS: <i>[Signature]</i>		DAT-HRZ: NAD83/07		VERT: MLLW	PORT ADDRESS: ONE SITCUM PLAZA		TACOMA, WA 98401-1837				
PHASE: BID SET		PARCEL: 8950200404		DRAWING SCALE: AS NOTED							



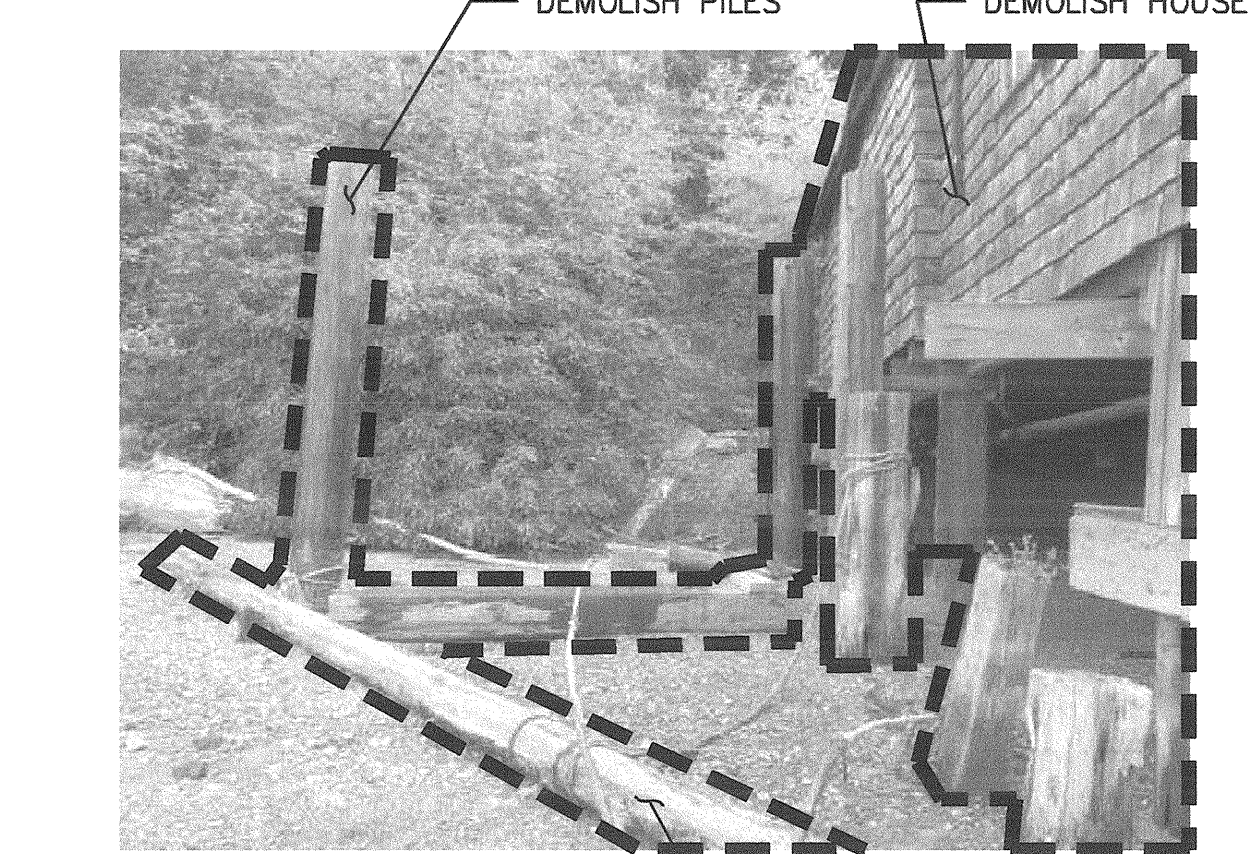
S4 PHOTO



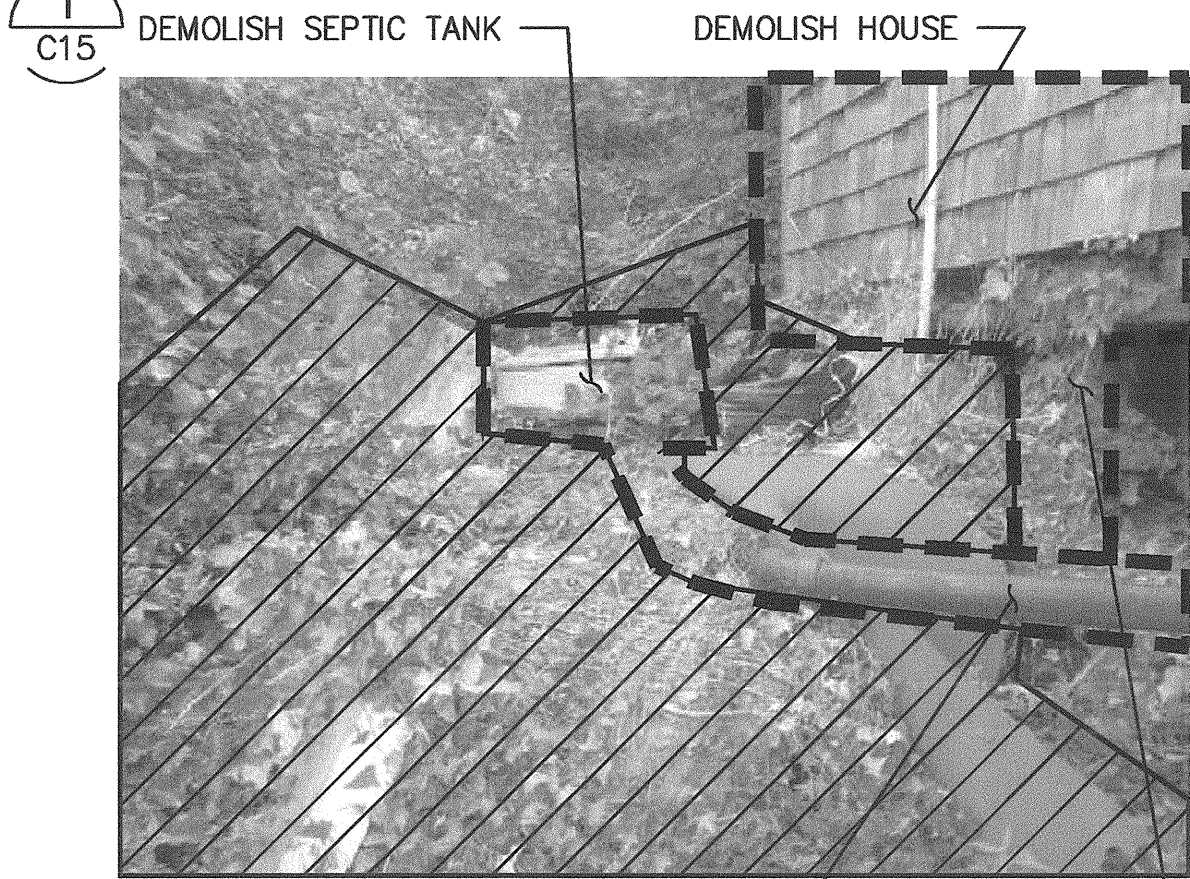
S1 PHOTO



N10 PHOTO



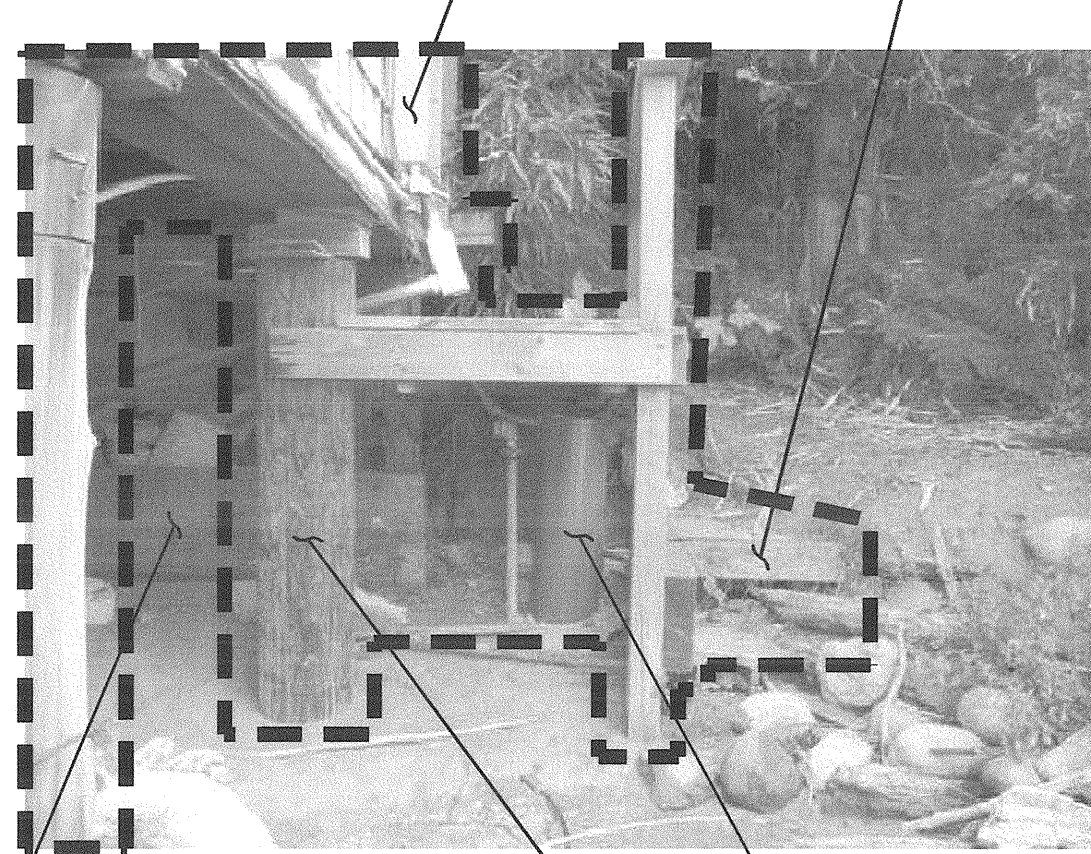
S5 PHOTO



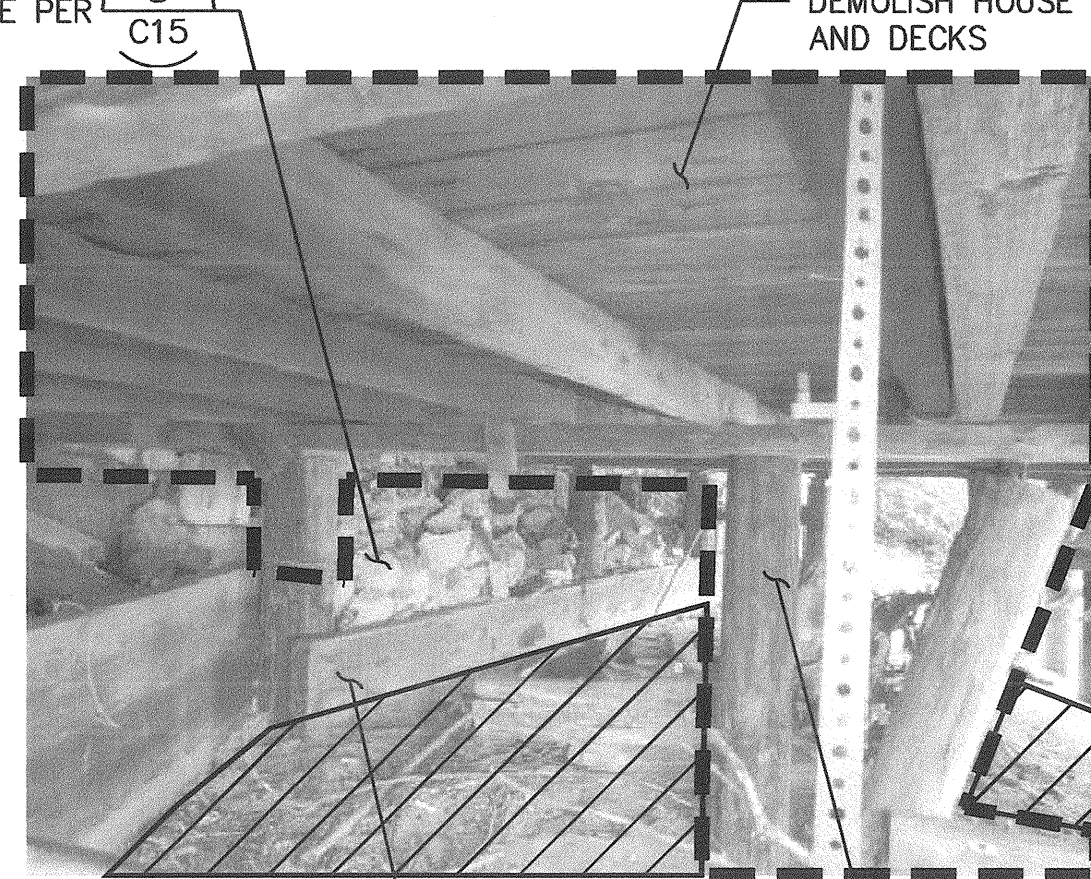
S2 PHOTO



N11 PHOTO



S6 PHOTO



S3 PHOTO



N12 PHOTO

NOTES:


- DEMOLITION BOUNDARY ILLUSTRATES APPROXIMATE EXTENTS OF ABOVE GROUND AND ABOVE WATERLINE DEMOLITION AND DEBRIS REMOVAL. ADDITIONAL DEMOLITION AND DEBRIS REMOVAL IS REQUIRED BELOW GROUND AND WATERLINE, SEE SPECIFICATIONS.
- 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.

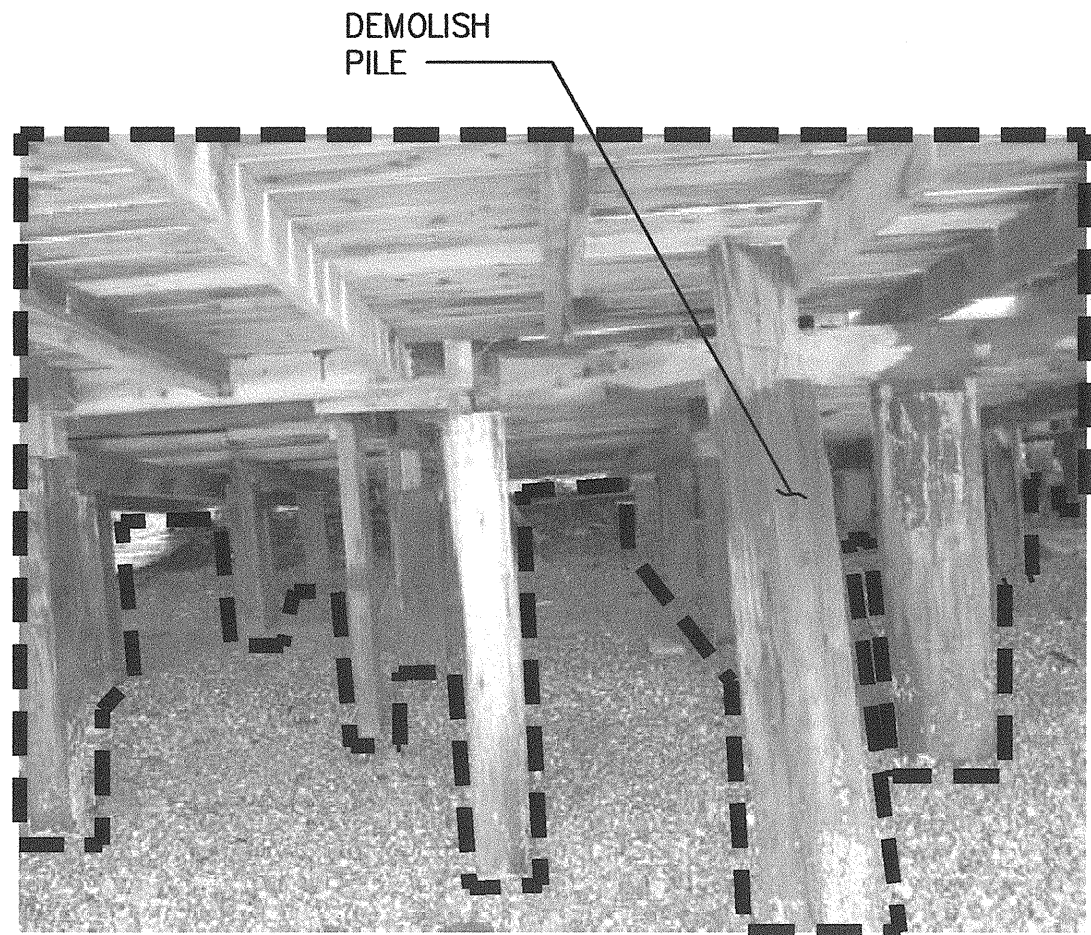
LEGEND:

- DEMOLITION BOUNDARY (SEE NOTE 1)
- DEBRIS REMOVAL

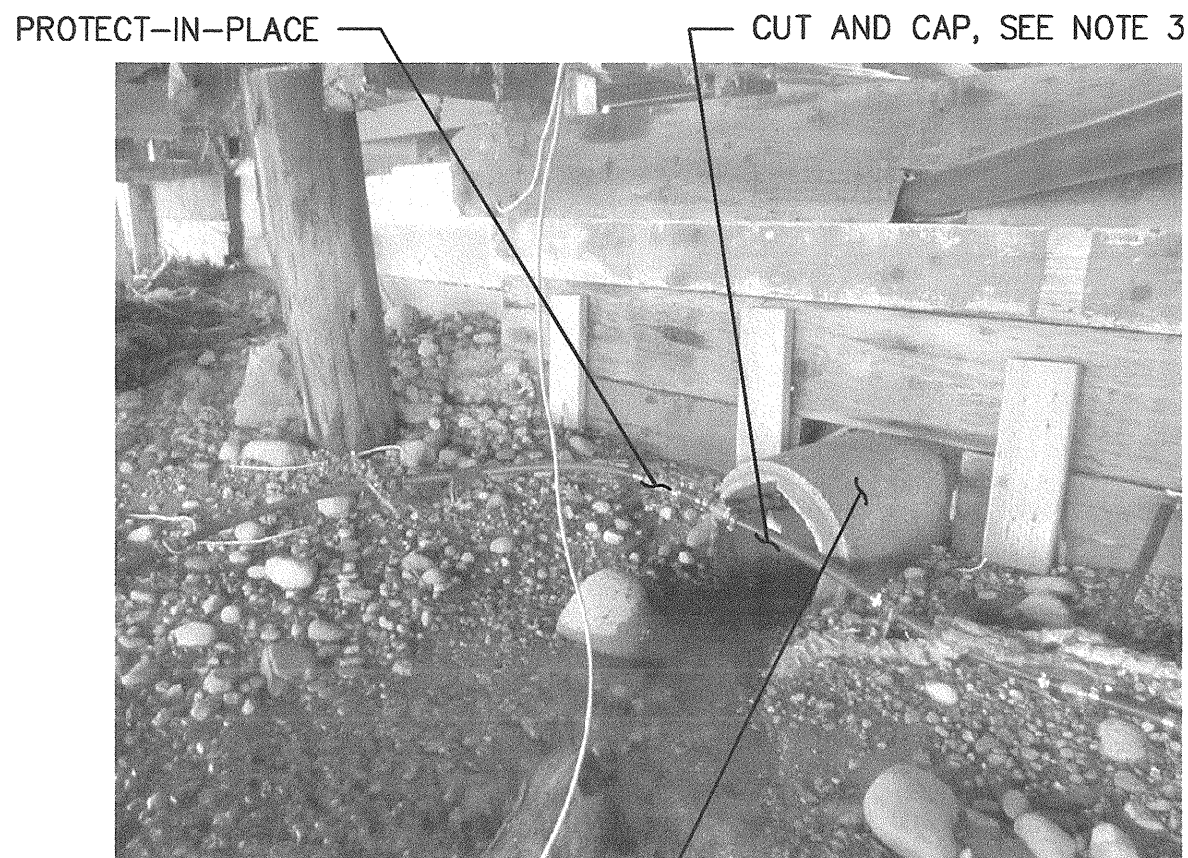
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		PHOTO SHEET 2				DIRECTOR ENG. DATE: 7-8-15	PROJ. ENGR DATE: 7-8-15	DATE: 7-8-15	
		TOWNSHIP: 21	RANGE: 03	SECTION: 22	DAT-HRZ: NAD83/07	VERT: MLLW	PRINTED BY: gcarey	PORT ADDRESS: ONE SITCUM PLAZA	
		CONTRACT/CONS: <i>[Blank]</i>	PARCEL: 8950200404	DRAWING SCALE: AS NOTED	TACOMA, WA 98401-1837	REVISION: <i>[Blank]</i>	BY: <i>[Blank]</i>	DATE: <i>[Blank]</i>	
SHEET 12 OF 18		PHASE: BID SET		M. ID: <i>[Blank]</i>		MARK: <i>[Blank]</i>		REVISION: <i>[Blank]</i>	
PORT OF Tacoma		Consulting Engineers		2407 North 31st Street, Suite 100 Tacoma, Washington 98403 (253) 396-0150 Fax (253) 396-0162		P.O. BOX 1807 TACOMA, WA 98401		DATE: <i>[Blank]</i>	



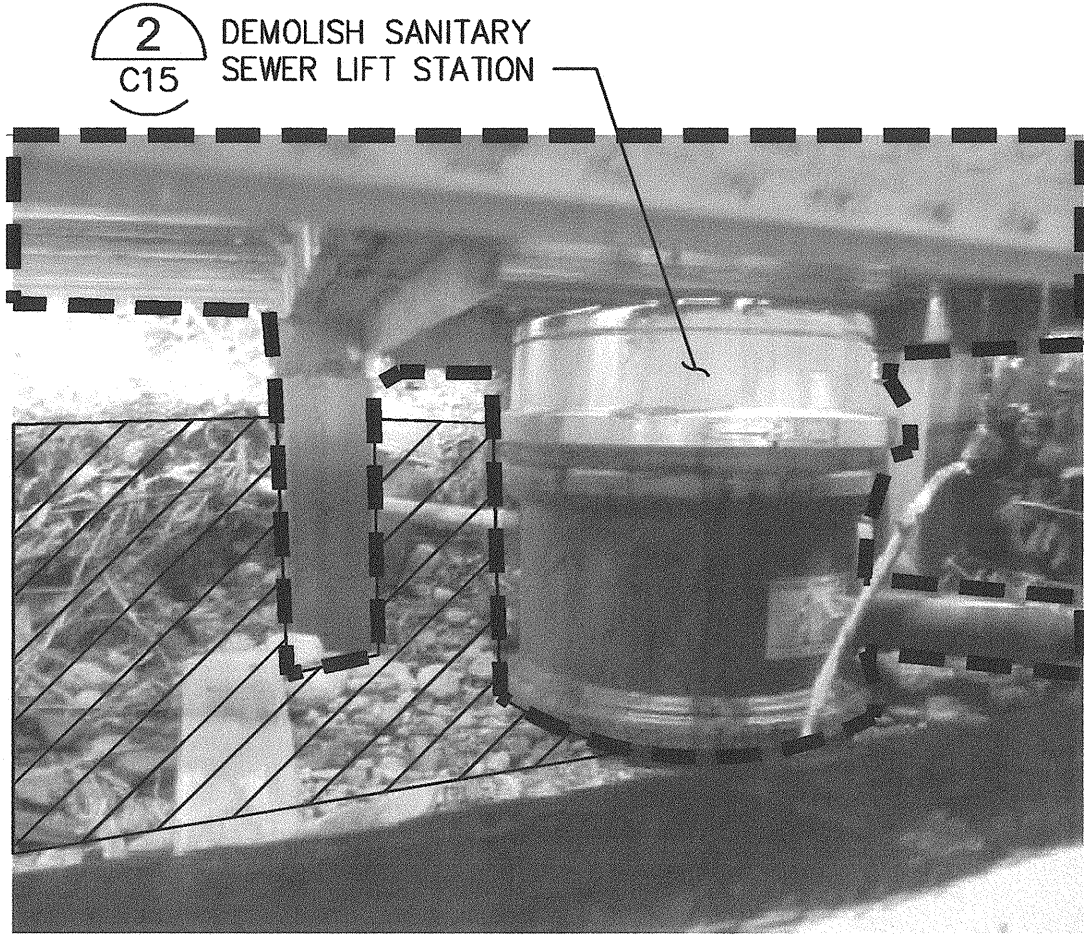
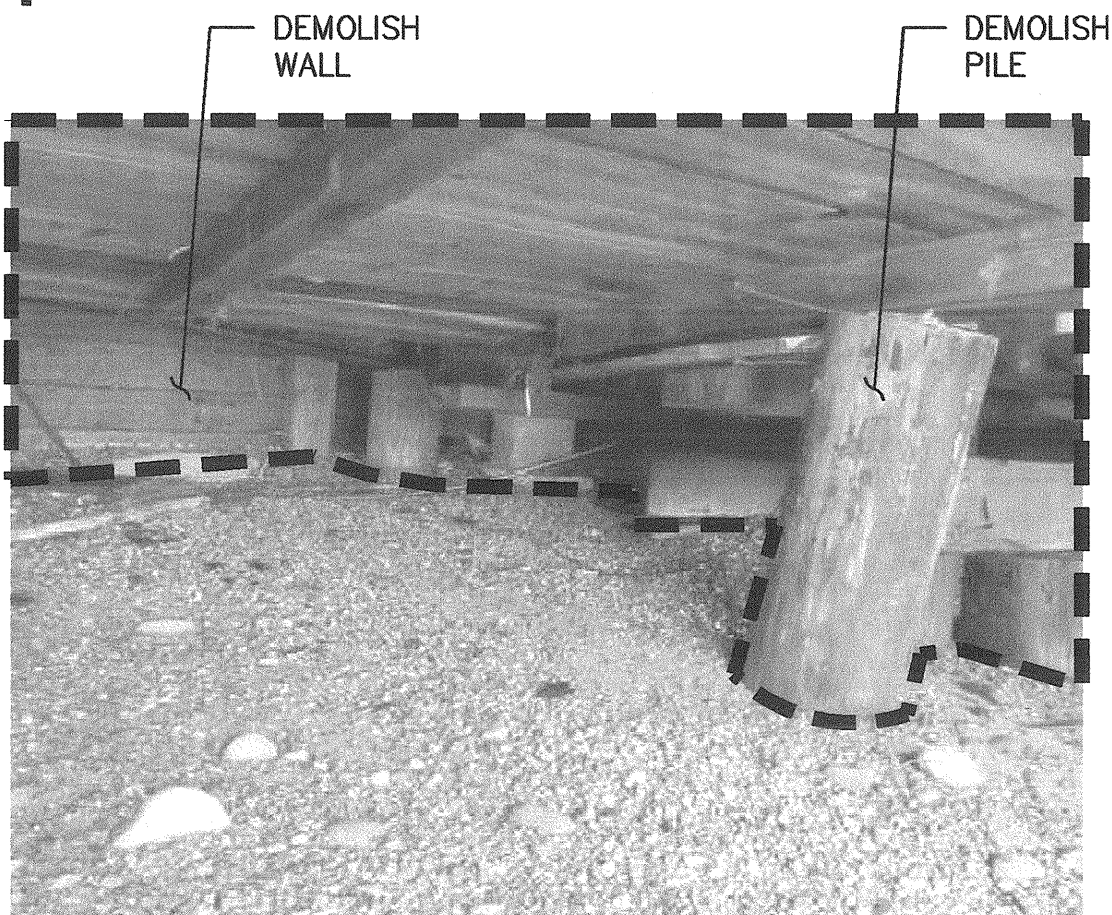
- DEMOLITION BOUNDARY (SEE NOTE 1)
 DEBRIS REMOVAL



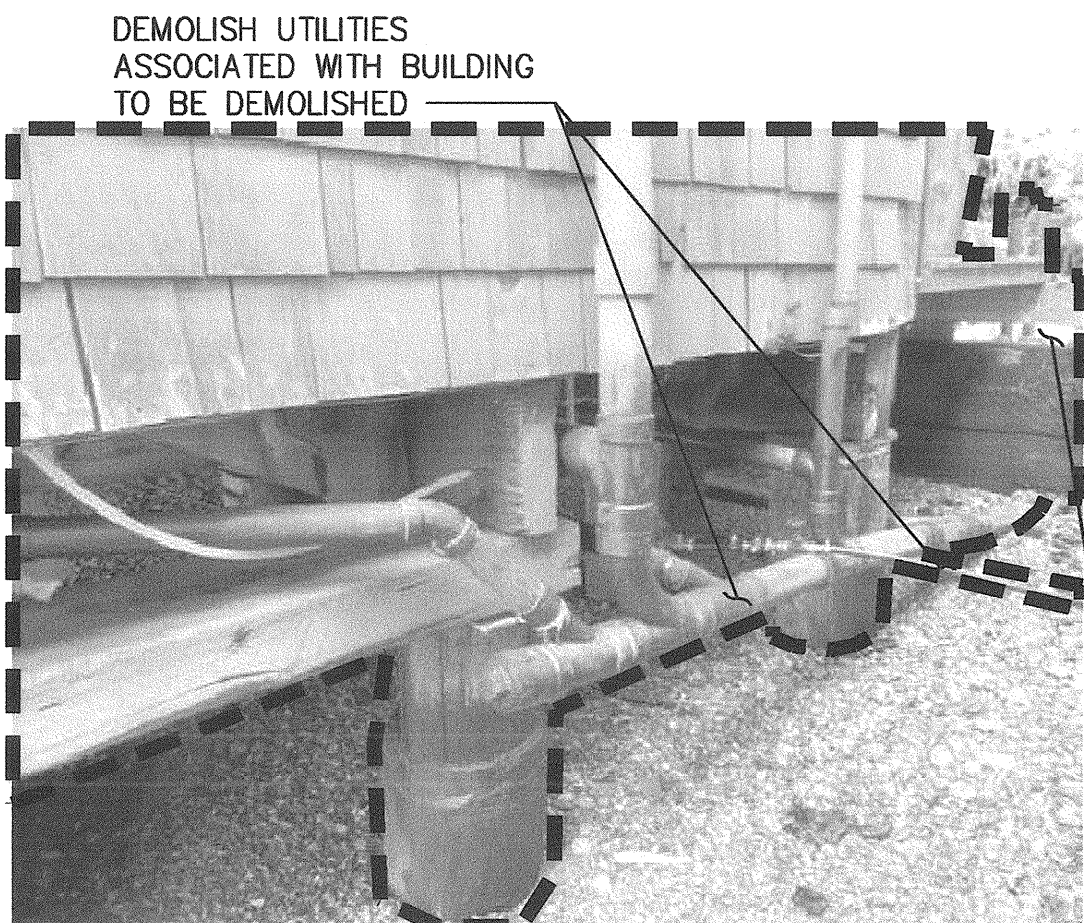
E7 PHOTO



E8 PHOTO



E9 PHOTO



DEMOLISH SANITARY SEWER LIFT STATIONS (2 IN THIS LOCATION)

2
C15

LEGEND:

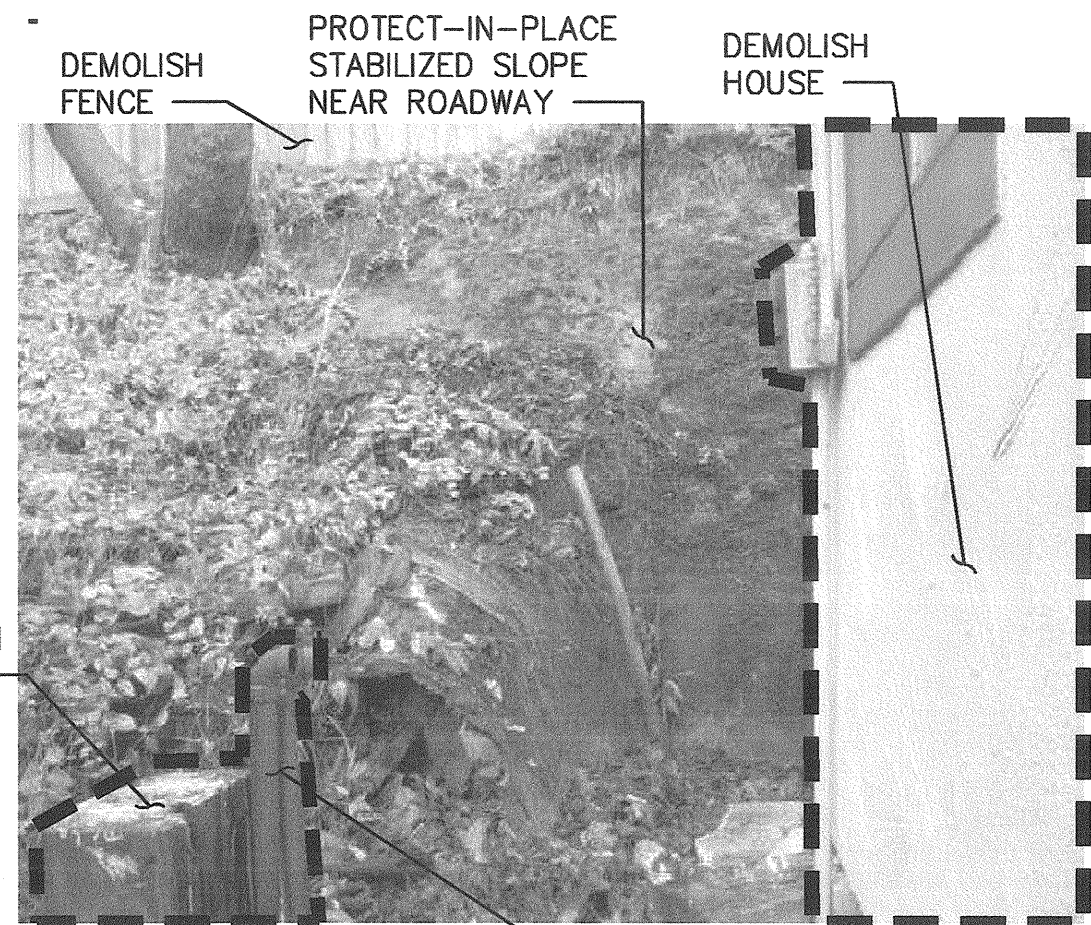
--- DEMOLITION BOUNDARY (SEE NOTE 1)

DEBRIS REMOVAL

NOTES:

- DEMOLITION BOUNDARY ILLUSTRATES APPROXIMATE EXTENTS OF ABOVE GROUND AND ABOVE WATERLINE DEMOLITION AND DEBRIS REMOVAL. ADDITIONAL DEMOLITION AND DEBRIS REMOVAL IS REQUIRED BELOW GROUND AND WATERLINE, SEE SPECIFICATIONS.
- 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.
- CONTRACTOR IS TO CUT AND CAP PORTION OF WATERLINE THAT EXTENDS SOUTH FEEDING 4720 AND 4722 MVD, AS WELL AS PORTION OF WATERLINE FEEDING 4728 MVD. CONTRACTOR SHALL PROTECT-IN-PLACE PORTION OF WATERLINE WHICH EXTENDS NORTH TO FEED 4818 MVD.

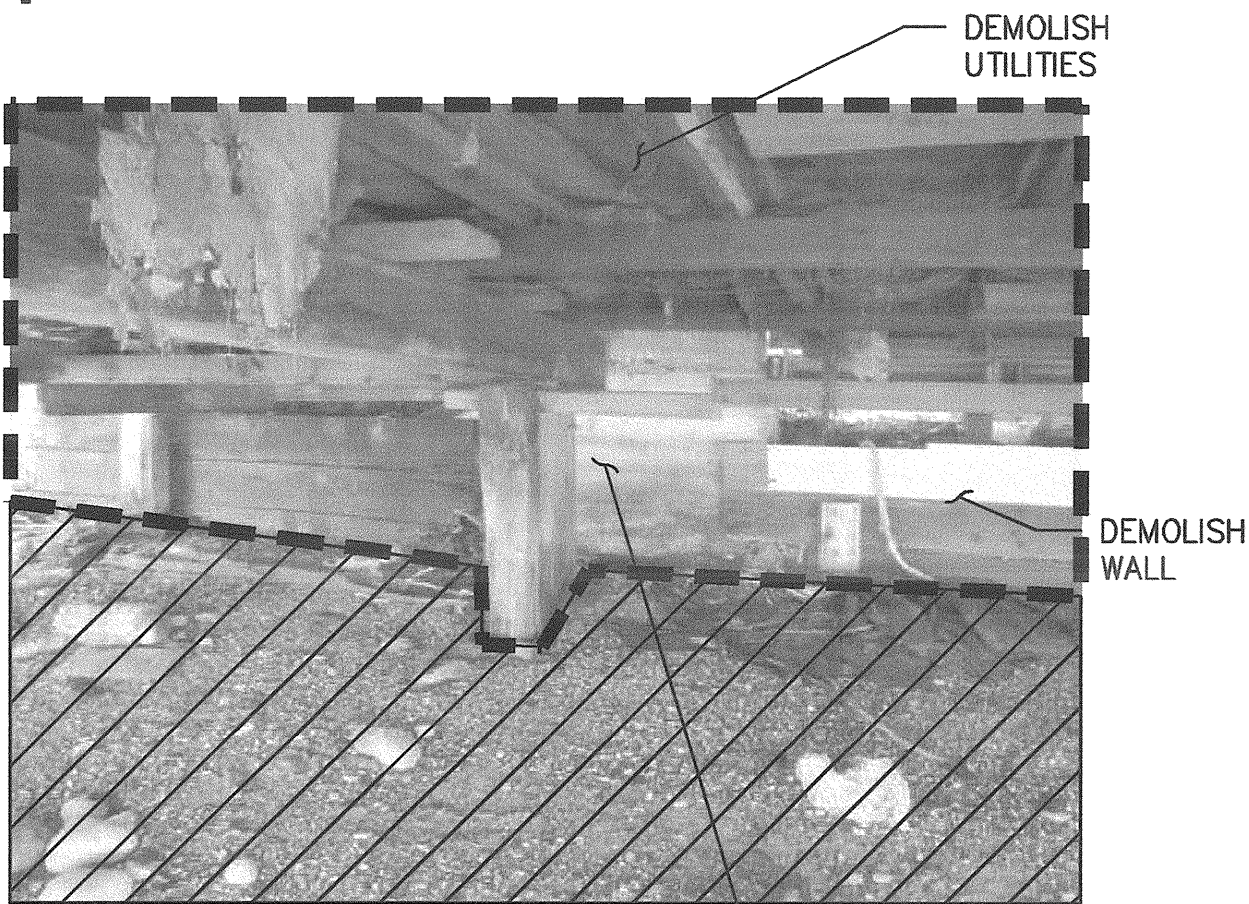
E10 PHOTO



2
C15

E11 PHOTO

E12 PHOTO



E12 PHOTO

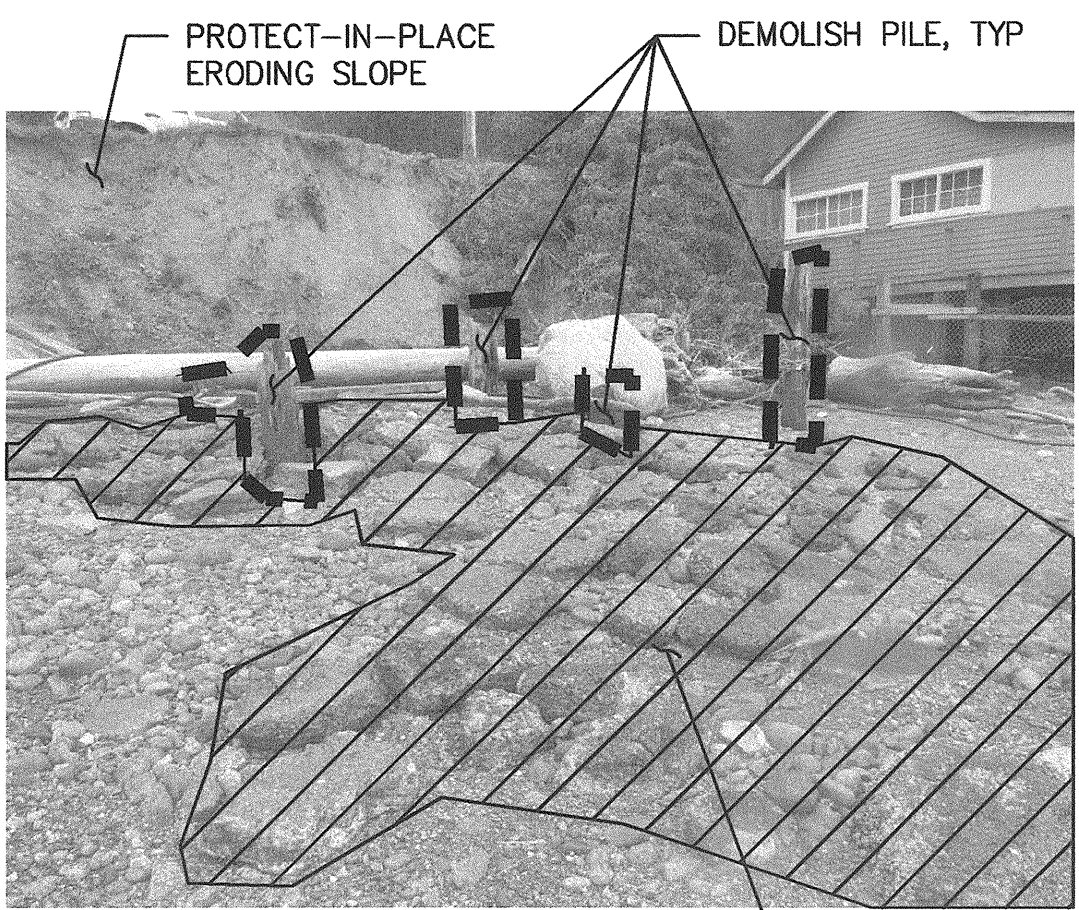


E14 PHOTO

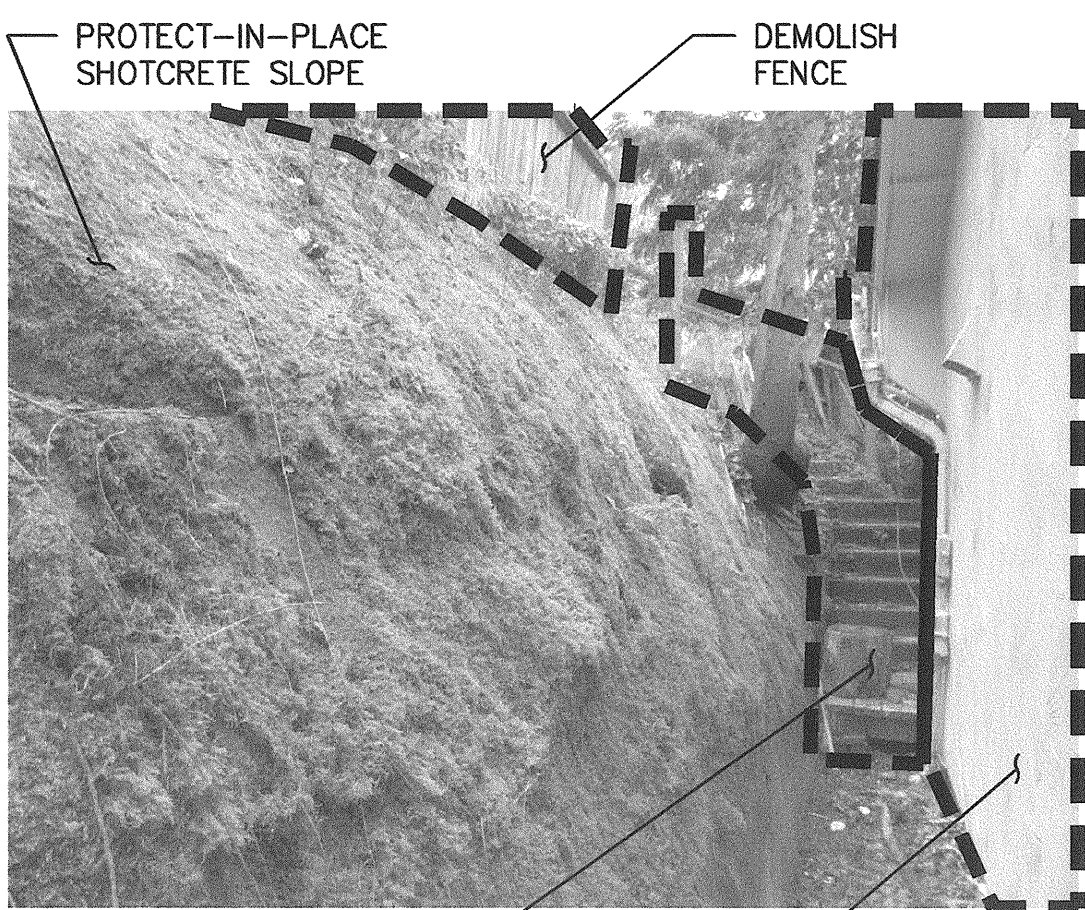




E16 PHOTO



E17 PHOTO




E18 PHOTO

NOTES:

- DEMOLITION BOUNDARY ILLUSTRATES APPROXIMATE EXTENTS OF ABOVE GROUND AND ABOVE WATERLINE DEMOLITION AND DEBRIS REMOVAL. ADDITIONAL DEMOLITION AND DEBRIS REMOVAL IS REQUIRED BELOW GROUND AND WATERLINE, SEE SPECIFICATIONS.
- 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

C14
SHEET 15 OF 18

CONT/CONS: _____
M. ID: _____
PHASE: BID SET

MARINE VIEW DRIVE STRUCTURES DEMOLITION

PHOTO SHEET 4

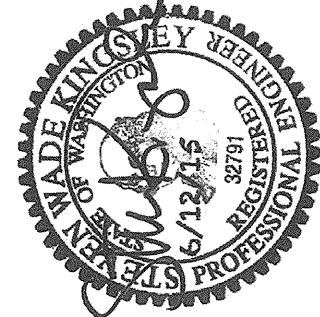
TOWNSHIP: 21 RANGE: 03 SECTION: 22
DAT-HRZ: NAD83/07 VERT: MLLW
PARCEL: 8950200404 DRAWING SCALE: AS NOTED

APPROVED: 

DIRECTOR ENG. DATE: 7-8-15
PRINTED BY: gcarrey
PORT ADDRESS: ONE SITCUM PLAZA
TACOMA, WA 98401-1837

CHECKED BY: _____ DATE: _____

PROJ. ENGR. DATE: _____
Jun 12, 2015
SITCUM PLAZA

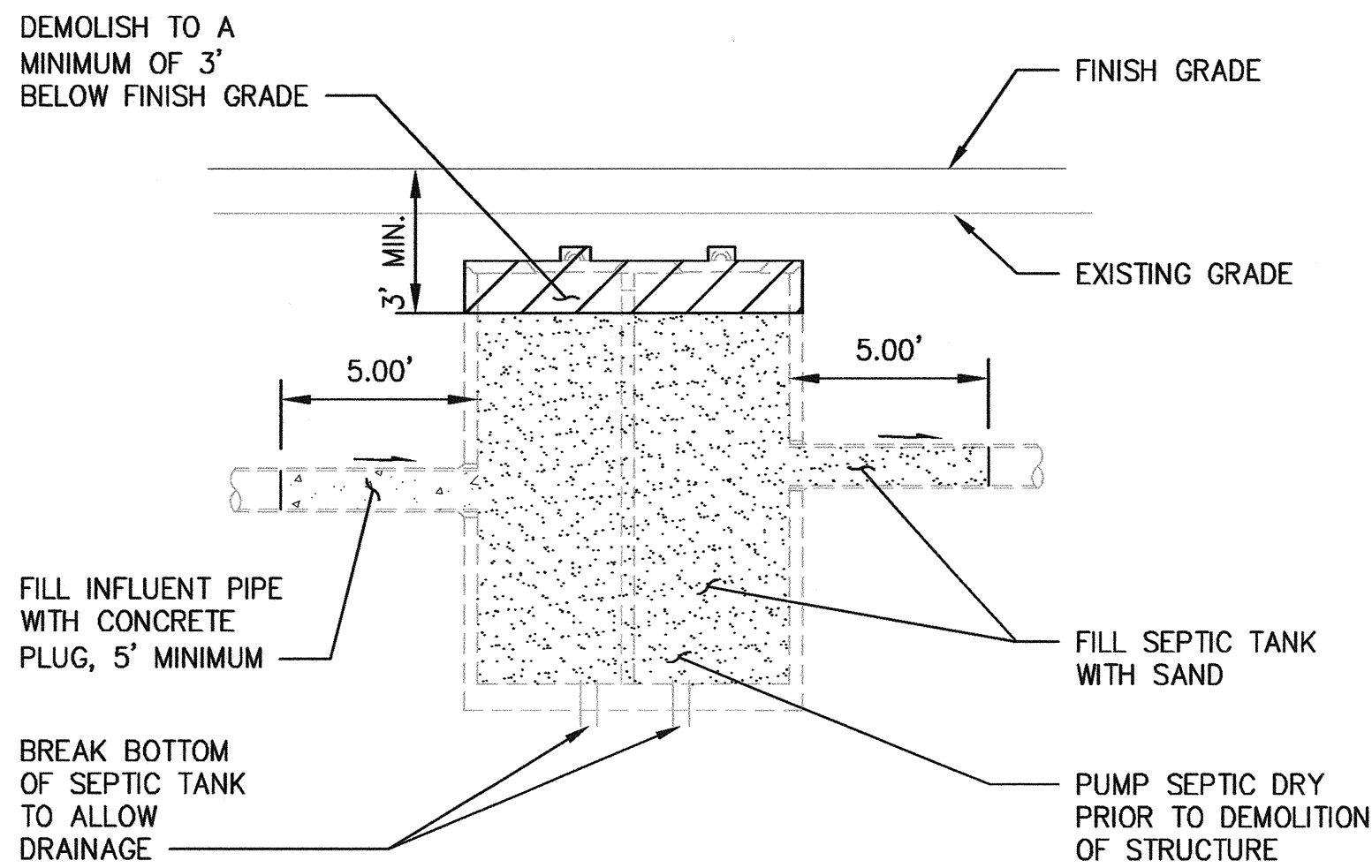


k p f i Consulting Engineers
2407 North 31st Street, Suite 100
Tacoma, Washington 98503
(253) 396-0750 Fax (253) 396-0192

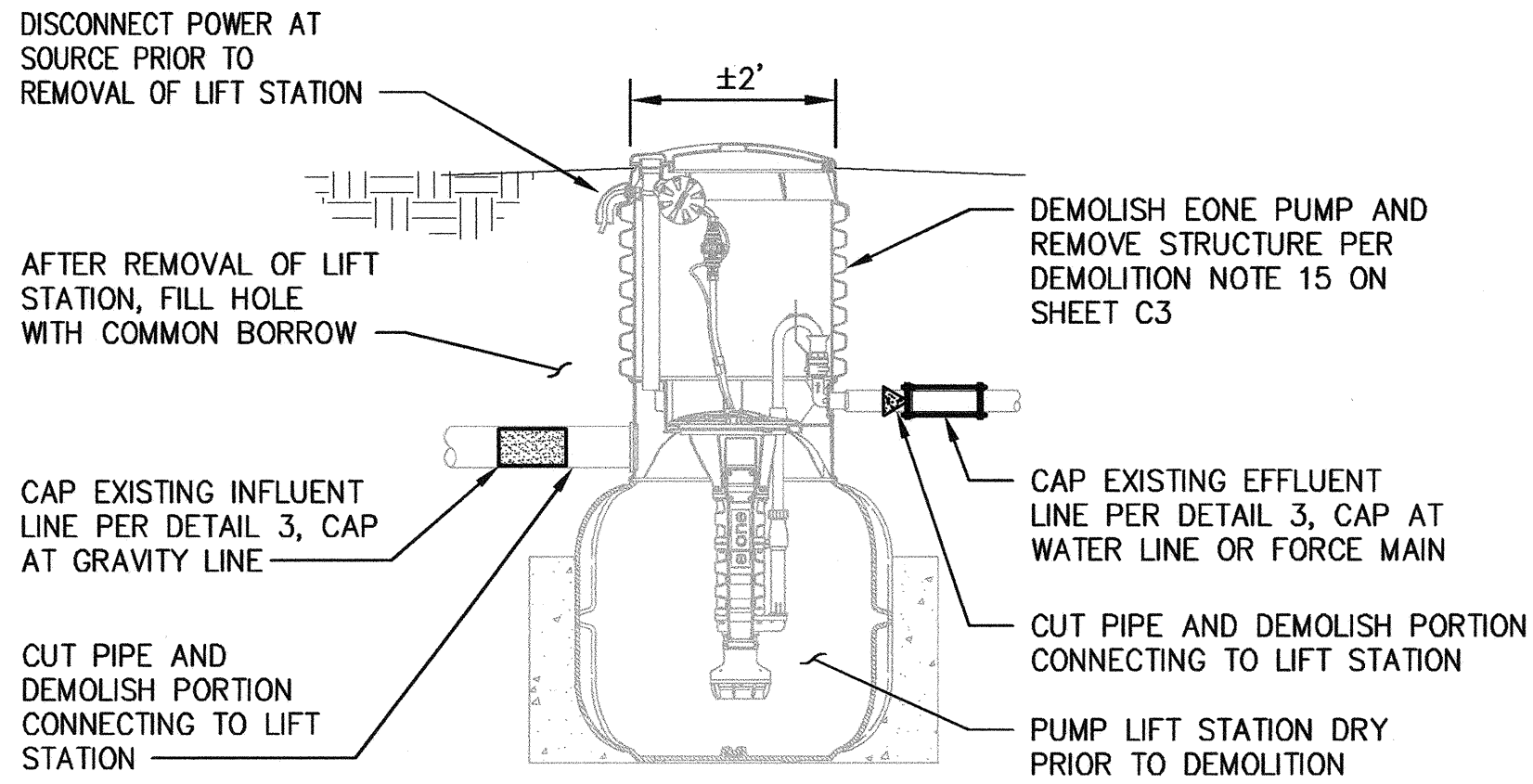
MARK: _____ REVISION: _____
BY: _____ DATE: _____
APPR: _____

Port of Tacoma
POLARIS PORT TACOMA WA 98401-1837

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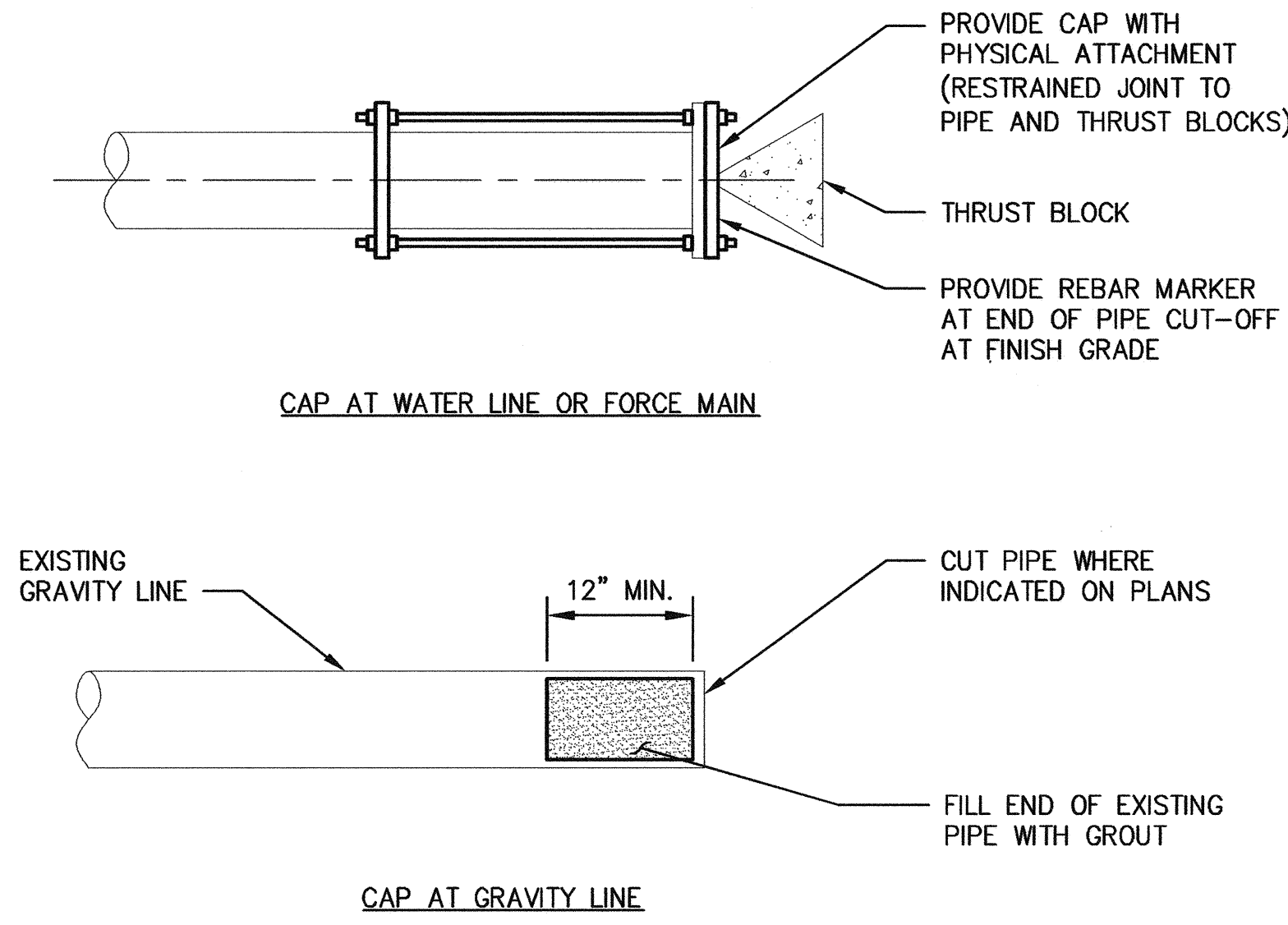


1 SEPTIC TANK DEMOLITION
C7, C8 SCALE: N.T.S

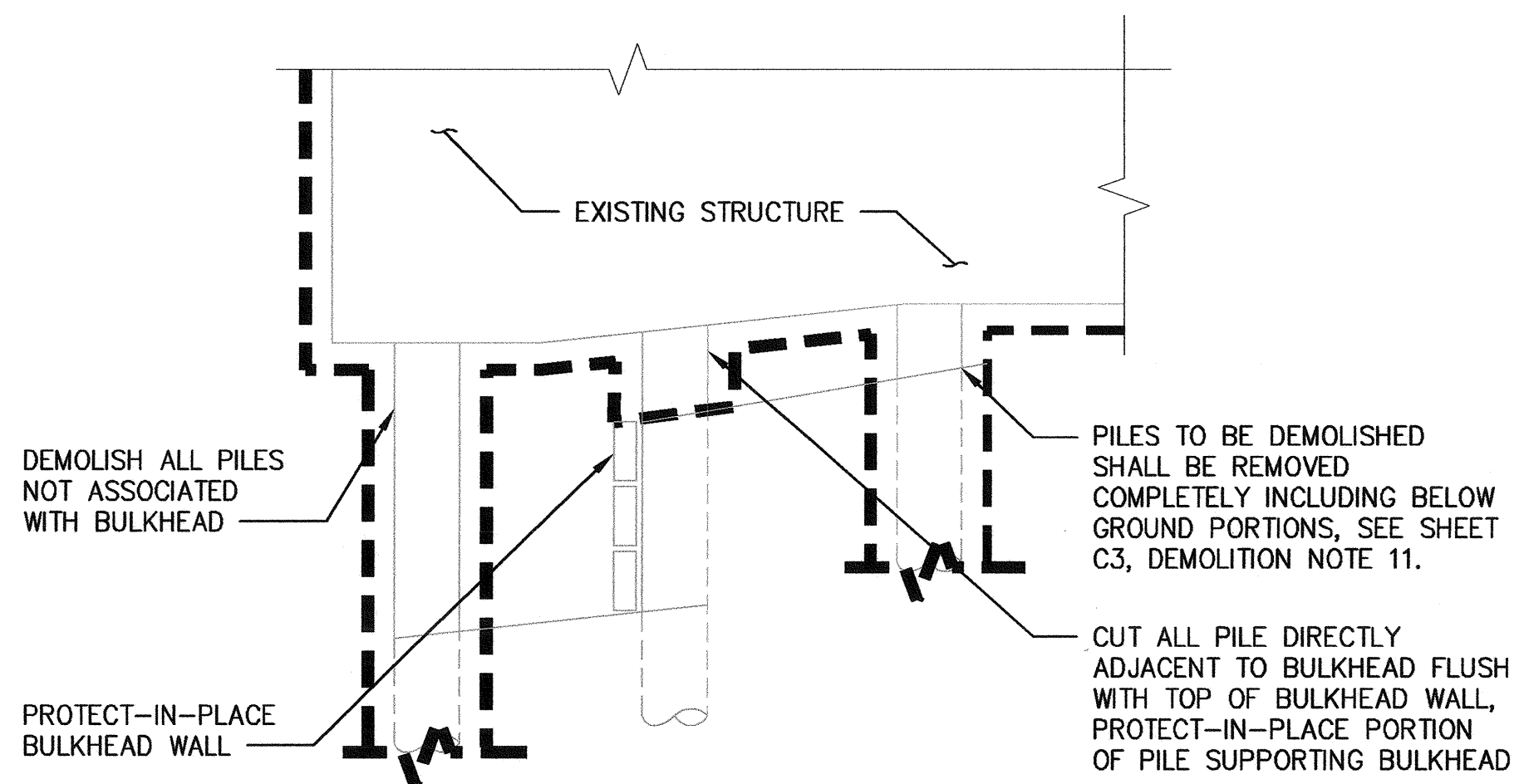


NOTES:
1. SIZE AND MODEL OF THE EXISTING EONE PUMP IS NOT KNOWN, THE EONE PUMP SYSTEM SHOWN IS TO GIVE GENERAL IDEA OF WORK TO BE COMPLETED AND DOES NOT INDICATE FULL SCOPE OF WORK WHICH MAY BE INCLUDED IN THE REMOVAL OF SEWER LIFT STATION.

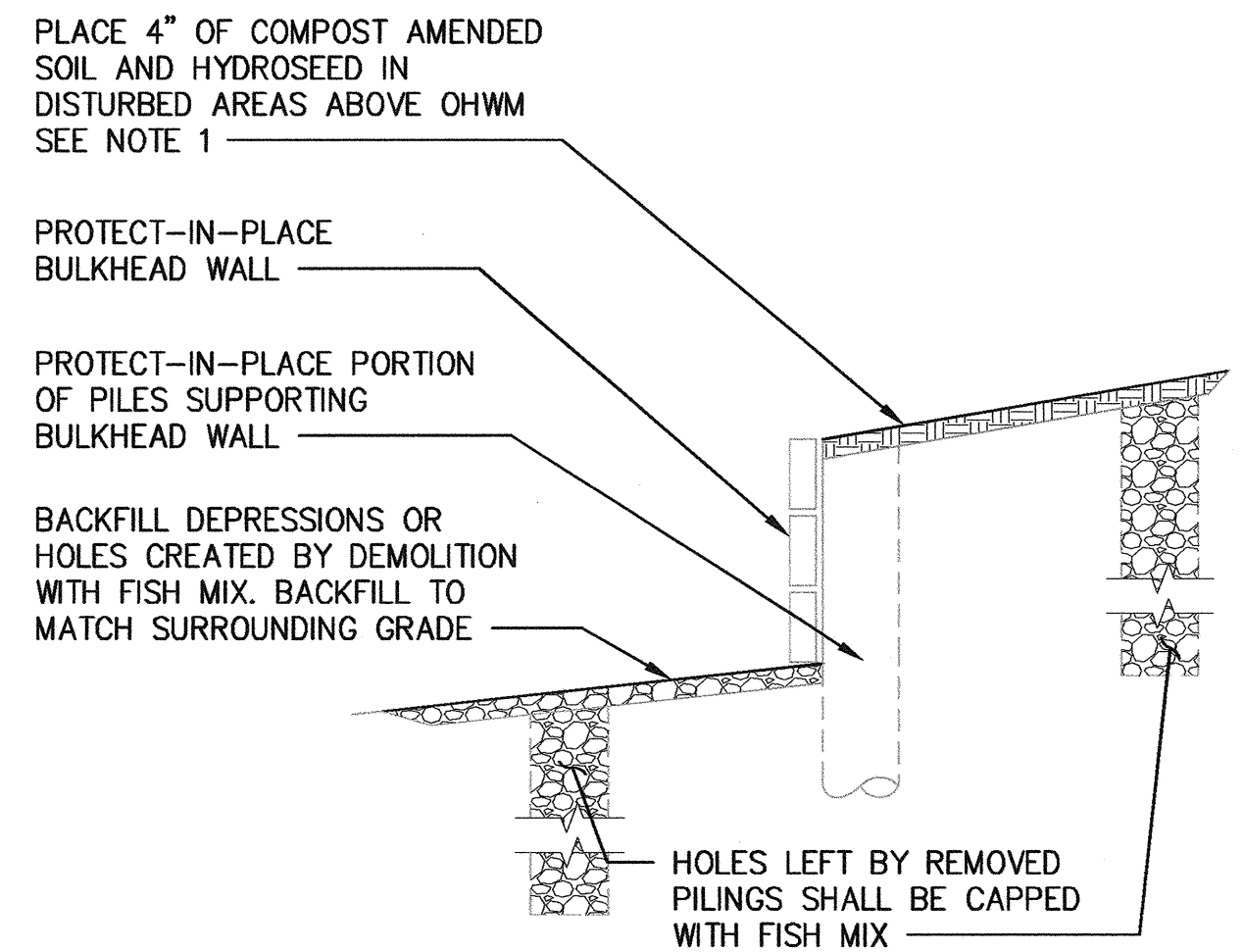
2 SEWER LIFT STATION DEMOLITION
C7, C9 SCALE: N.T.S



3 UTILITY CUT AND CAP
SCALE: N.T.S



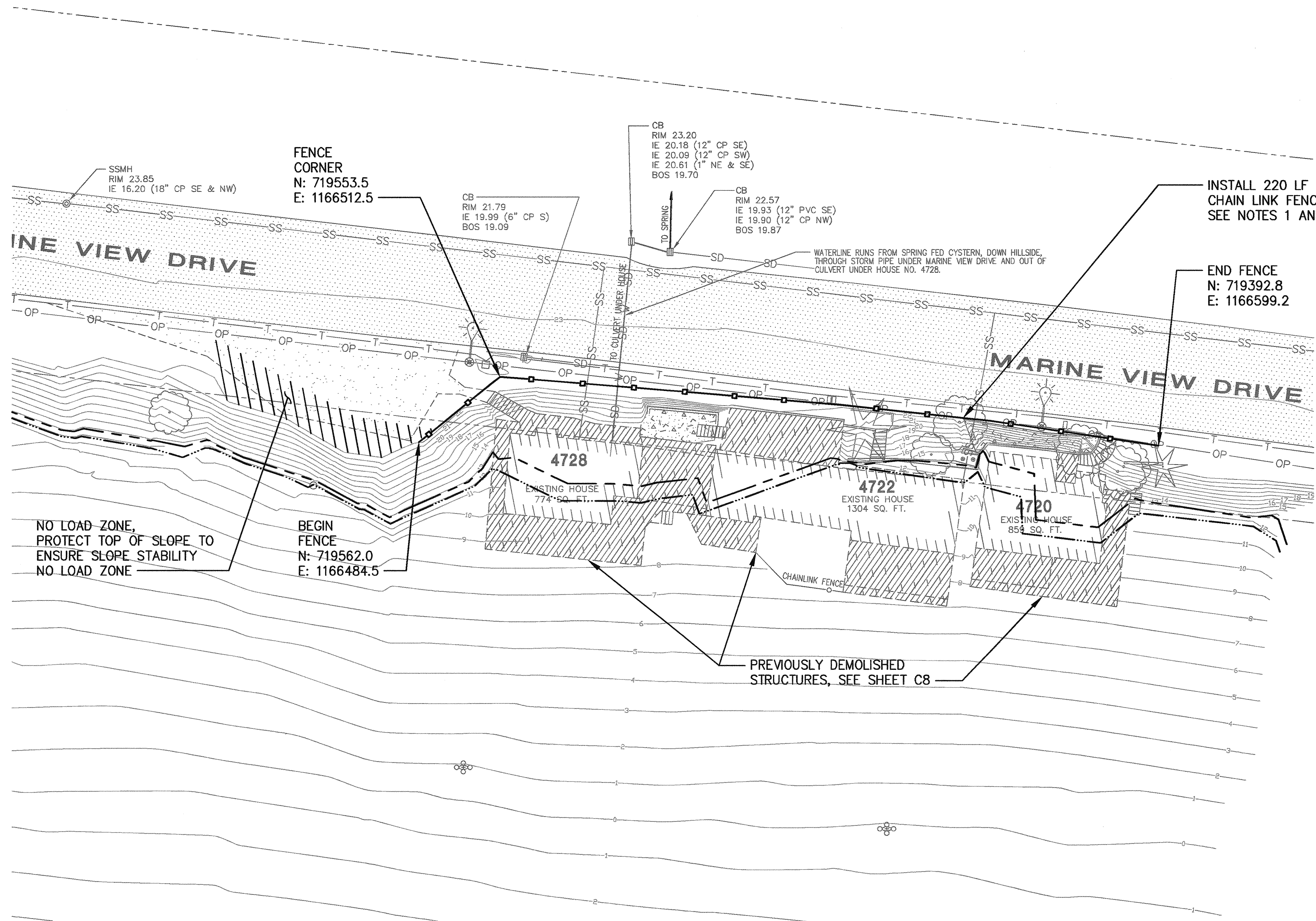
5 BULKHEAD WALL PROTECTION
C7, C8, C9 SCALE: N.T.S



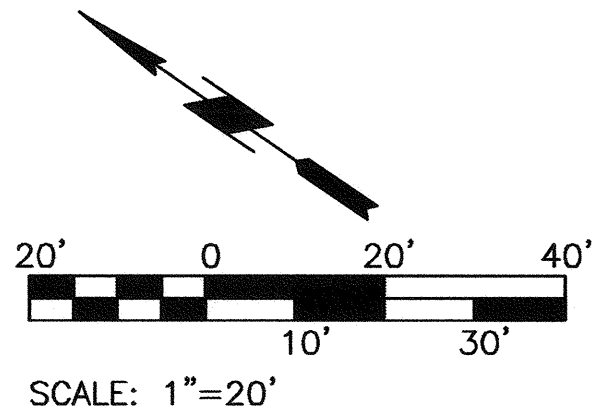
NOTES:
1. A MINIMUM OF 4 INCHES OF COMPOST FROM AN APPROVED PERMITTED COMPOST FACILITY AND CONFORMING TO WSDOT SPEC 9-14.4(8) SHALL BE TILLED INTO THE TOP 2 FEET OF EXISTING SOILS IN DISTURBED SURFACES ABOVE OHWM. COMPOST SHALL BE CERTIFIED TO BE FREE OF MATERIAL TOXIC TO PLANT GROWTH AND NOXIOUS WEEDS.

6 DISTURBED SURFACE RESTORATION
C7, C8, C9 SCALE: N.T.S

C15 SHEET 16 OF 18	MARINE VIEW DRIVE STRUCTURES DEMOLITION				DETAILS		Port of Tacoma Consulting Engineers 2407 North 31st Street, Suite 100 Tacoma, Washington 98503 (253) 396-0150 Fax (253) 396-0162 P.O. BOX 1087 TACOMA, WA 98401	
	CONTRACT NO.: _____	TOWNSHIP: 21	RANGE: 03	SECTION: 22	DATE: 7-8-15	PROJECT: 985020404	DATE: 7-8-15	BY: _____
	M. ID: _____	DAT-HRZ: NAD83/07	VERT: MLW	PARCEL: 895020404	PRINTED BY: gcoey	PROJ. ENGR: gcoey	REVISION: _____	DATE: _____
	PHASE: BID SET	DRAWING SCALE: AS NOTED			TACOMA, WA 98401-1837		APPR: _____	DATE: _____



1 4720, 4722 AND 4728 MARINE VIEW DRIVE
C2 SCALE: 1:20



LEGEND:

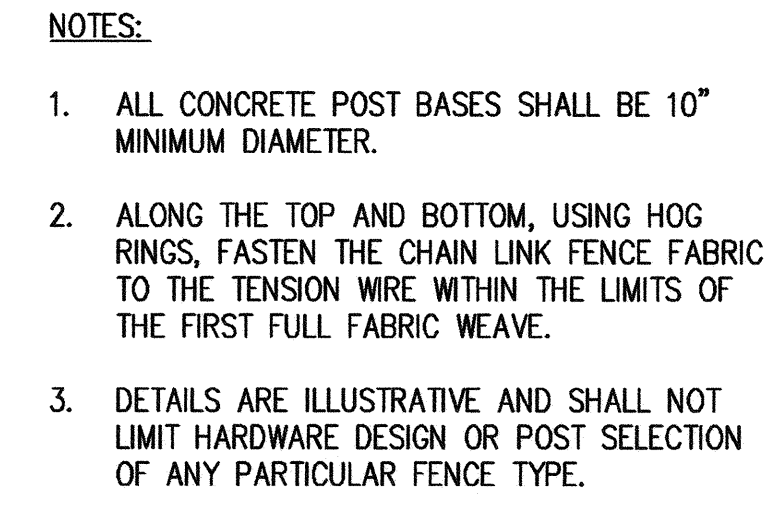
- CHAIN LINK FENCE
- ORDINARY HIGH WATER MARK (OHWM) SEE NOTE 4
- MEAN HIGHER HIGH WATER (MHHW)

NOTES:

- CONSTRUCT BLACK VINYL COATED CHAIN LINK FENCE AT TOP OF SLOPE PER DETAIL 1 ON SHEET C17.
- CONNECTION POINTS SHALL BE INSTALLED PER DETAIL 2 ON SHEET C17.

6525	C16 SHEET 17 OF 18 CONT/CONS: M. ID: PHASE: BID SET	MARINE VIEW DRIVE STRUCTURES DEMOLITION				APPROVED: <i>[Signature]</i> 7-8-15	CHECKED BY: <i>[Signature]</i> DATE:	
		FENCING PLAN 4720, 4722 AND 4728 MVD				DIRECTOR ENG. DATE: 7-8-15	PROJ. ENGR DATE:	
		TOWNSHIP: 21	RANGE: 03	SECTION: 22	PRINTED BY: gcorey Jun 12, 2015	PORT ADDRESS: ONE SITCUM PLAZA		
		DAT-HRZ: NAD83/07	VERT: MLLW	PARCEL: 8950200404	DRAWING SCALE: AS NOTED	TACOMA, WA 98401-1837		
Port of Tacoma P.O. BOX 1897 TACOMA, WA 98401 (206) 384-1111		kpff Consulting Engineers 2407 North 31st Street, Suite 100 Tacoma, Washington 98403 (253) 396-0150 Fax (253) 396-0162		MARK:	REVISION:	BY:	APPR:	DATE:

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C16 SCALE: N.T.S

C16 SCALE: N.T.S