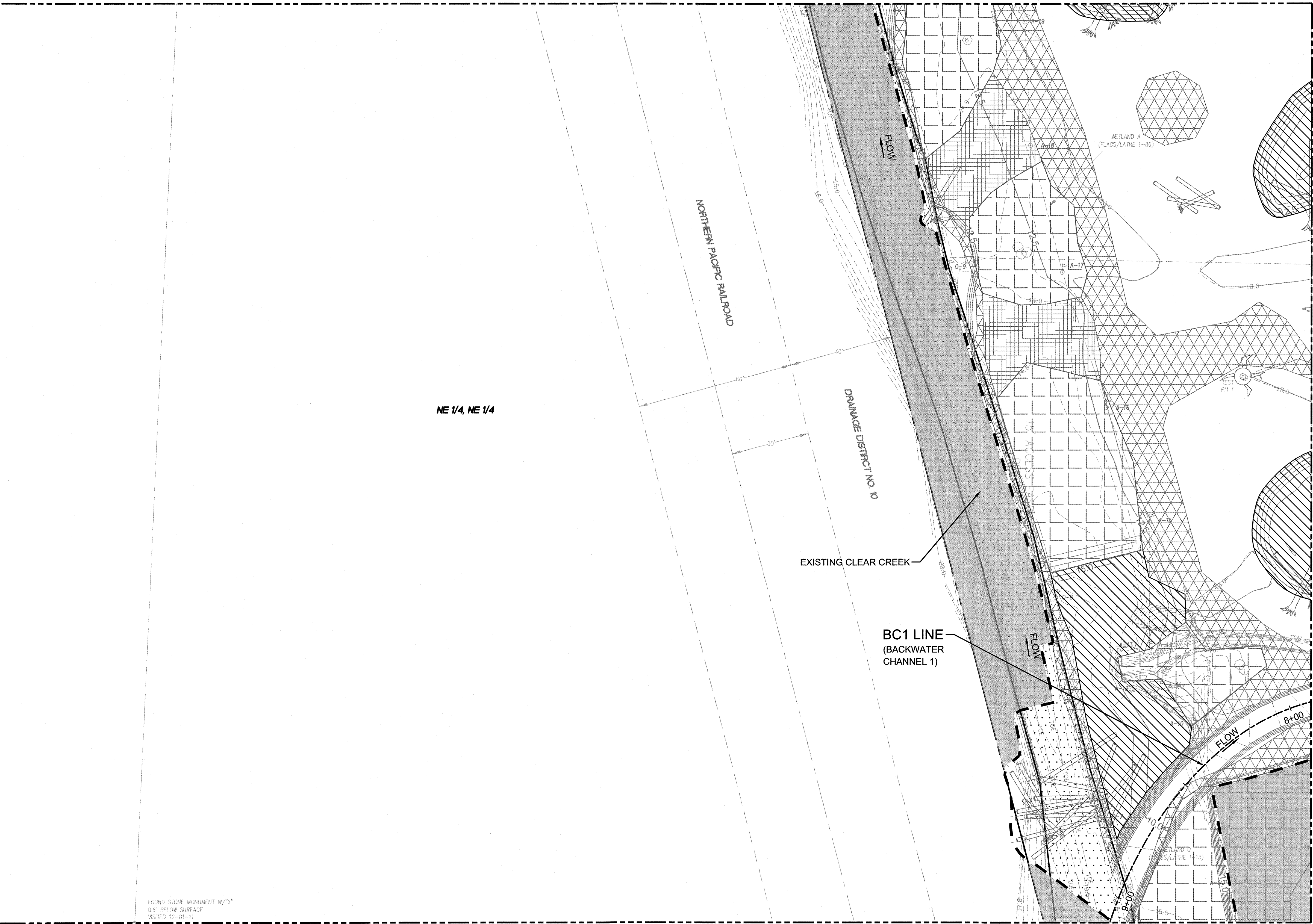


UCCMS PLANT MAINTENANCE AND REPLACEMENT

MATCHLINE - SEE SHEET L17



FOUND STONE MONUMENT W/ "X"
0.6' BELOW SURFACE
VISITED 12-01-11

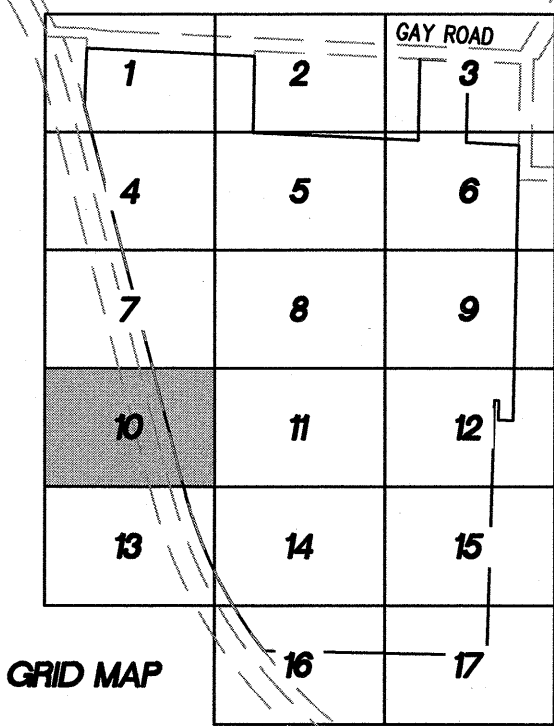
MATCHLINE - SEE SHEET L13



- LANDSCAPE PLANTING LEGEND**
- PROJECT LIMIT LINE (PLANT MAINT. & REPLACEMENT WORK AREA)
 - SHADED AREA DENOTES EXISTING AND PLANTED VEGETATION AREAS MAINTAINED BY PORT STEWARDSHIP CONTRACTOR (NO WORK THIS AREA)
 - EXISTING CLEAR CREEK - ORDINARY HIGH WATER LINE (OHW)
 - CENTERLINE & STATIONING AT NEW STREAM CHANNEL
 - WATER FLOW DIRECTION
 - FINAL DESIGN CONTOURS (NOTE: SEE EXHIBIT B-1 FOR AS-BUILT CONTOURS)
 - PRE-EXISTING TOPOGRAPHY CONTOURS
- PLANTING ZONES LEGEND**
- FOREST WETLAND FLOODPLAIN
 - FOREST HUMMOCKS
 - SCRUB-SHRUB WETLAND FLOODPLAIN (TRANSITION)
 - SCRUB-SHRUB WETLAND FLOODPLAIN (FRQ FLOOD)

- GENERAL NOTES**
- CONTRACTOR SHALL VERIFY EXISTING UTILITY LOCATIONS PRIOR TO CONSTRUCTION. CONTACT 'CALL BEFORE YOU DIG' AT 800-424-5555 FOR FIELD LOCATION ASSISTANCE WITHIN PUBLIC RIGHT-OF-WAY. RETAIN A PRIVATE LOCATOR SERVICE TO LOCATE UTILITIES WITHIN THE PROJECT SITE.
 - ALL UPLAND (FOREST BUFFER AND FOREST HUMMOCKS) PLANT ZONES WERE SEEDED WITH UPLAND SEED MIXTURE PRIOR TO PLANTING.
 - ALL WETLAND (FOREST WETLAND FLOODPLAIN, SCRUB-SHRUB WETLAND FLOODPLAIN, EMERGENT POND EDGES, AND EMERGENT STREAM EDGES) PLANT ZONES WERE SEEDED WITH WETLAND SEED MIXTURE PRIOR TO PLANTING.
 - PLANTING ZONE MATERIALS ARE DEFINED ON SHEET L2.0.

- HORIZ. & VERT. CONTROL**
- FOR HORIZONTAL AND VERTICAL CONTROL INFORMATION SEE LANDSCAPE PLANTING PLAN - COMPOSITE SHEET (L1.0).
- PROJECT LAYOUT & STAKING**
- FIELD LOCATING AND STAKING OF LANDSCAPE PLANTS SHALL BE BY DIMENSIONS SHOWN ON DRAWINGS AND COORDINATES OBTAINED VIA ELECTRONIC DRAWING FILES WHICH WILL BE PROVIDED AT EXECUTION OF THE CONTRACT.



Port of Tacoma

BRUCE DEES & ASSOCIATES

UCCMS

PLANT MAINTENANCE AND REPLACEMENT

LANDSCAPE PLANTING - GRID 10

EP 6574

L1.10

SH 12 OF 22

CONT/CONS:	070696	TOWNSHIP:	20 N	RANGE:	3 E	SECTION:	14
M. ID:	101181.01	DAT-HRZ:	NAD83/07	VERT:	MLW (SEE NOTES ON L1.0)	PRINTED BY:	sjensen Oct 18, 2017
PHASE:	BID SET	PARCEL:	0320141001(&1086) DRAWING SCALE: 1" = 20'				

APPROVED:

CHIEF ENGINEER

DATE: 10/23/17

CHECKED BY:

DATE:

BY:

REVISION:

APPR:

DATE:

Port of Tacoma

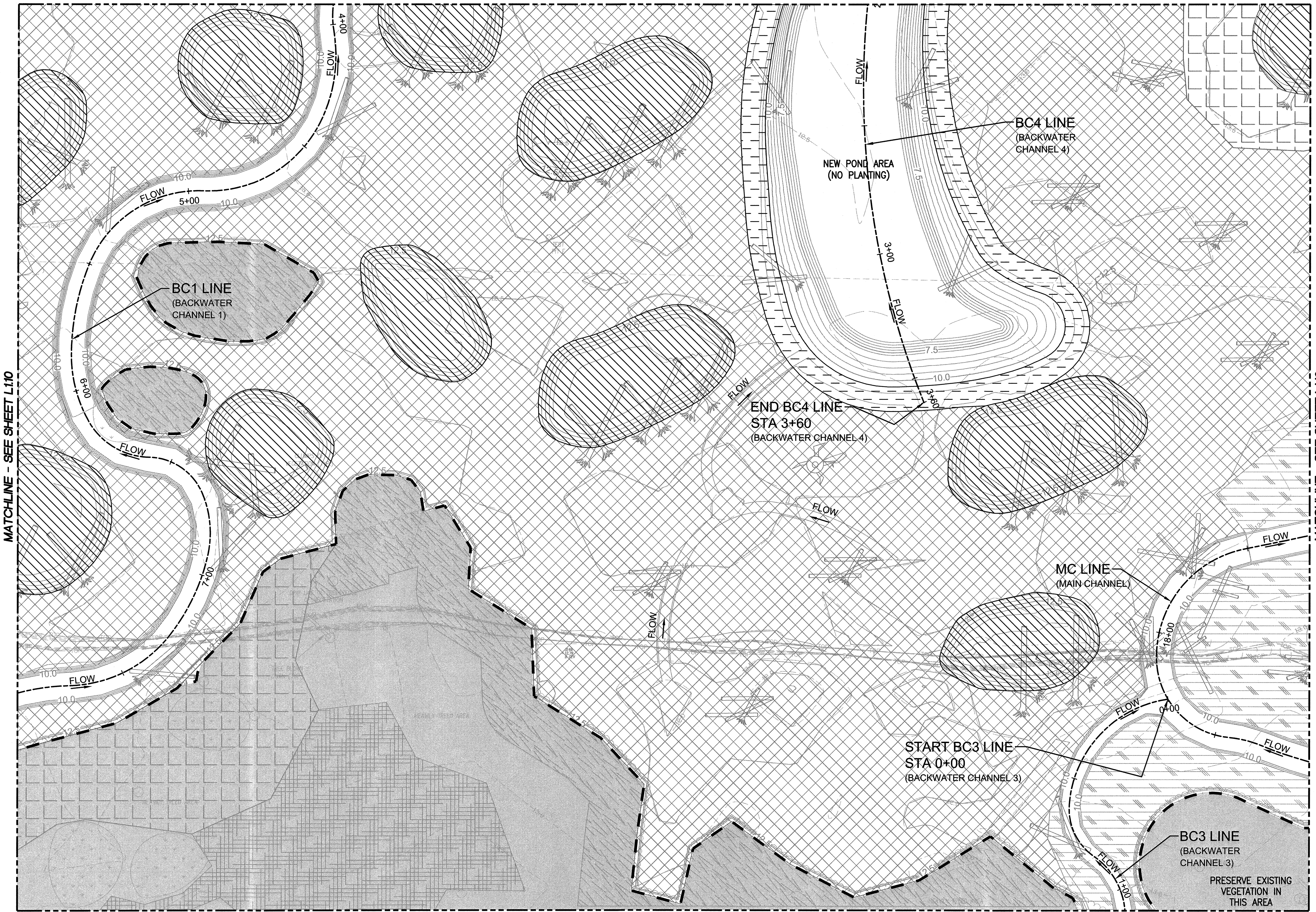
HERRERA

DATE:

UCCMS

PLANT MAINTENANCE AND REPLACEMENT

MATCHLINE - SEE SHEET L1.8



MATCHLINE - SEE SHEET L1.14

LANDSCAPE PLANTING LEGEND

- PROJECT LIMIT LINE (PLANT MAINT. & REPLACEMENT WORK AREA)
- SHADED AREA DENOTES EXISTING AND PLANTED VEGETATION AREAS MAINTAINED BY PORT STEWARDSHIP CONTRACTOR (NO WORK THIS AREA)
- CENTERLINE & STATIONING AT NEW STREAM CHANNEL
- WATER FLOW DIRECTION
- FINAL DESIGN CONTOURS (NOTE: SEE EXHIBIT B-1 FOR AS-BUILT CONTOURS)
- PRE-EXISTING TOPOGRAPHY CONTOURS

PLANTING ZONES LEGEND

- FOREST WETLAND FLOODPLAIN
- FOREST HUMMOCKS
- SCRUB-SHRUB WETLAND FLOODPLAIN
- SCRUB-SHRUB WETLAND FLOODPLAIN (TRANSITION)
- MAINTENANCE BUFFER (SCRUB-SHRUB PLTG)
- EMERGENT STREAM EDGES
- EMERGENT POND EDGES

GENERAL NOTES

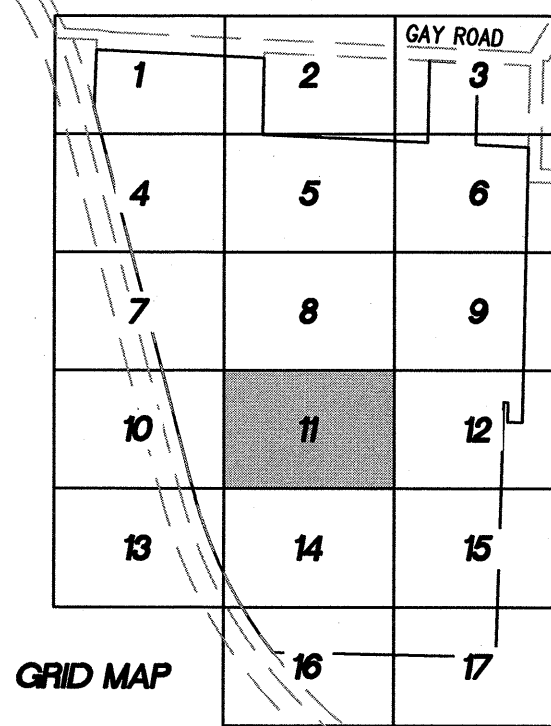
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- PLANTING ZONE MATERIALS ARE DEFINED ON SHEET L2.0.

HORIZ. & VERT. CONTROL

FOR HORIZONTAL AND VERTICAL CONTROL INFORMATION SEE LANDSCAPE PLANTING PLAN - COMPOSITE SHEET (L1.0).

PROJECT LAYOUT & STAKING

FIELD LOCATING AND STAKING OF LANDSCAPE PLANTS SHALL BE BY DIMENSIONS SHOWN ON DRAWINGS AND COORDINATES OBTAINED VIA ELECTRONIC DRAWING FILES WHICH WILL BE PROVIDED AT EXECUTION OF THE CONTRACT.



EP 6574

L1.11

SH 13 OF 22

PLANT MAINTENANCE AND REPLACEMENT

LANDSCAPE PLANTING - GRID 11

CONTRACTOR: 070696

M. ID: 101181.01

PHASE: BID SET

TOWNSHIP: 20 N

DAT-HRZ: NAD83/07

PARCEL: 0320141001(&1086)

RANGE: 3 E

VERT: MLW (SEE NOTES ON L1.0)

DRAWING SCALE: 1" = 20'

SECTION: 14

PRINTED BY: stensen Oct 18, 2017

TACOMA, WA 98401-1837

CHECKED BY: DATE

PROJ. ENGR: DATE

DATE: 10/18/2017

APPROVED:

CHIEF ENGR: DATE

DATE: 10/18/2017

BRUCE DEES & ASSOCIATES

1018 1/2 ST. SE, SUITE 100, TACOMA, WA 98401

36069

REGISTERED PROFESSIONAL ENGINEER

PORT OF TACOMA

HERRERA

10/18/2017

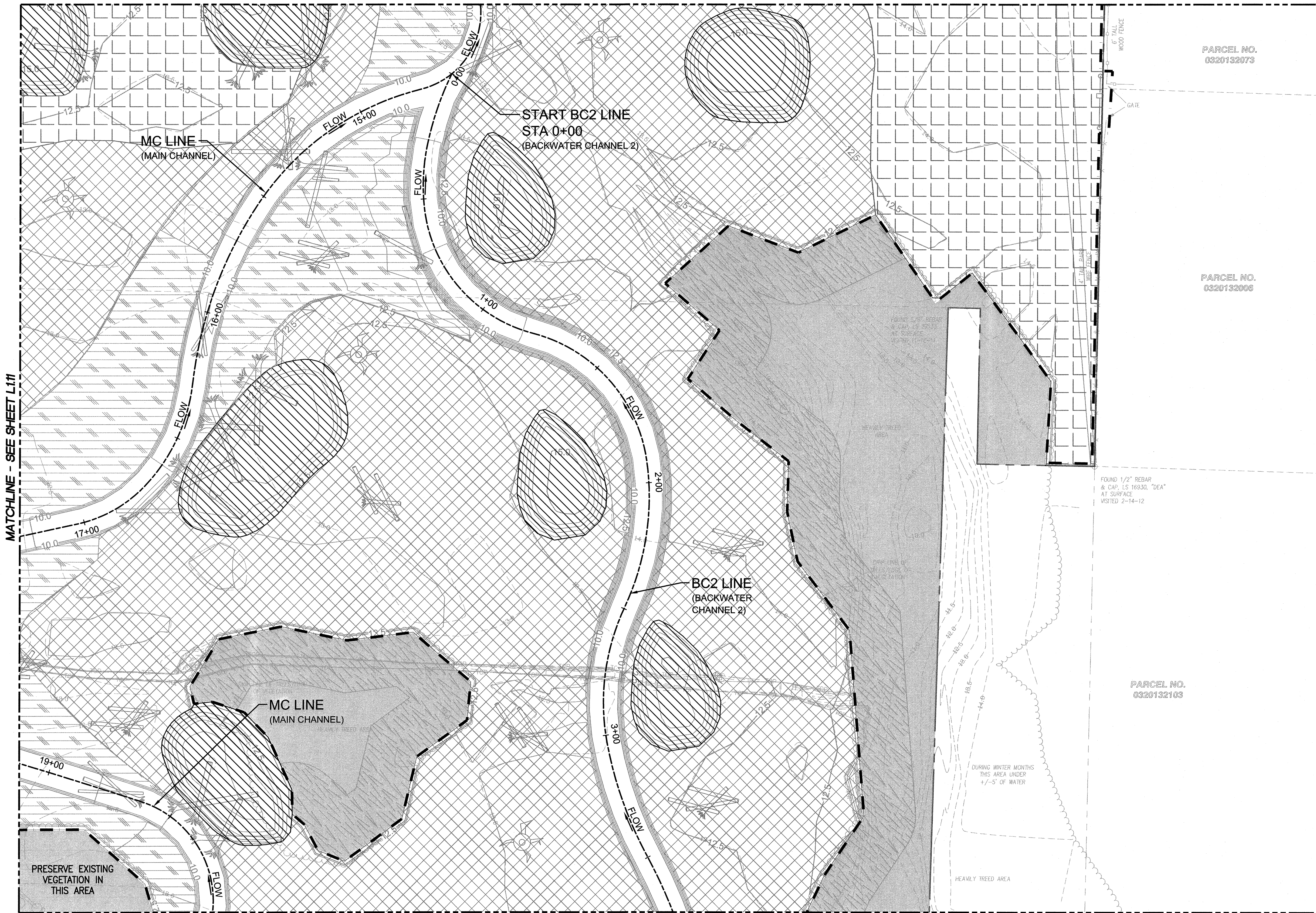
APPR: DATE:

BY: DATE:

REVISION: DATE:

UCCMS PLANT MAINTENANCE AND REPLACEMENT

MATCHLINE - SEE SHEET L19



MATCHLINE - SEE SHEET L15

LANDSCAPE PLANTING LEGEND

- PROJECT LIMIT LINE (PLANT MAINT. & REPLACEMENT WORK AREA)
- SHADE AREA DENOTES EXISTING AND PLANTED VEGETATION AREAS MAINTAINED BY PORT STEWARDSHIP CONTRACTOR (NO WORK THIS AREA)
- CENTERLINE & STATIONING AT NEW STREAM CHANNEL
- FLOW WATER FLOW DIRECTION
- FINAL DESIGN CONTOURS (NOTE: SEE EXHIBIT B-1 FOR AS-BUILT CONTOURS)
- PRE-EXISTING TOPOGRAPHY CONTOURS

PLANTING ZONES LEGEND

- FOREST WETLAND FLOODPLAIN
- FOREST HUMMOCKS
- SCRUB-SHRUB WETLAND FLOODPLAIN
- MAINTENANCE BUFFER (SCRUB-SHRUB PLTG)
- EMERGENT STREAM EDGES

GENERAL NOTES

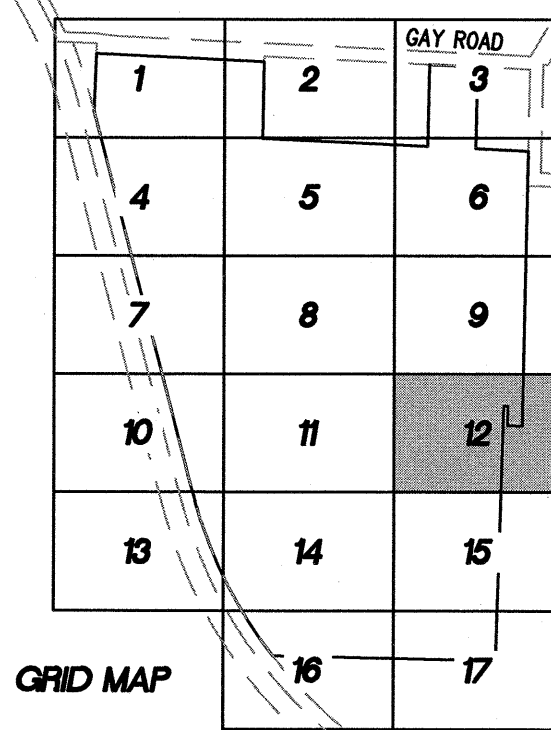
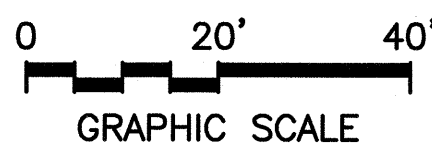
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BRUCE DEES & ASSOCIATES
1018/2017

PORT OF TACOMA
HERRERA

REGISTERED PROFESSIONAL ENGINEER
36069
10/18/2017

CHECKED BY	DATE	PROJ. ENGR	DATE
APPROVED:	DATE	PRINTED BY:	DATE
TACOMA, WA 98401-1837		TACOMA, WA 98401-1837	

UCCMS
PLANT MAINTENANCE AND REPLACEMENT
LANDSCAPE PLANTING - GRID 12

EP 6574
L1.12
SH 14 OF 22

CONTR/CONS:	070696	TOWNSHIP:	20 N	RANGE:	3 E	SECTION:	14
M. ID:	101181.01	DAT-HRZ:	NAD83/07	VERT:	MLLW (SEE NOTES ON L1.0)		
PHASE:	BID SET	PARCEL:	0320141001(&1086) DRAWING SCALE: 1" = 20'				

MATCHLINE - SEE SHEET L1.10

SE 1/4, NE 1/4

NORTHERN PACIFIC RAILROAD

END BC1
STA 9+27
(BACKWATER
CHANNEL 1)

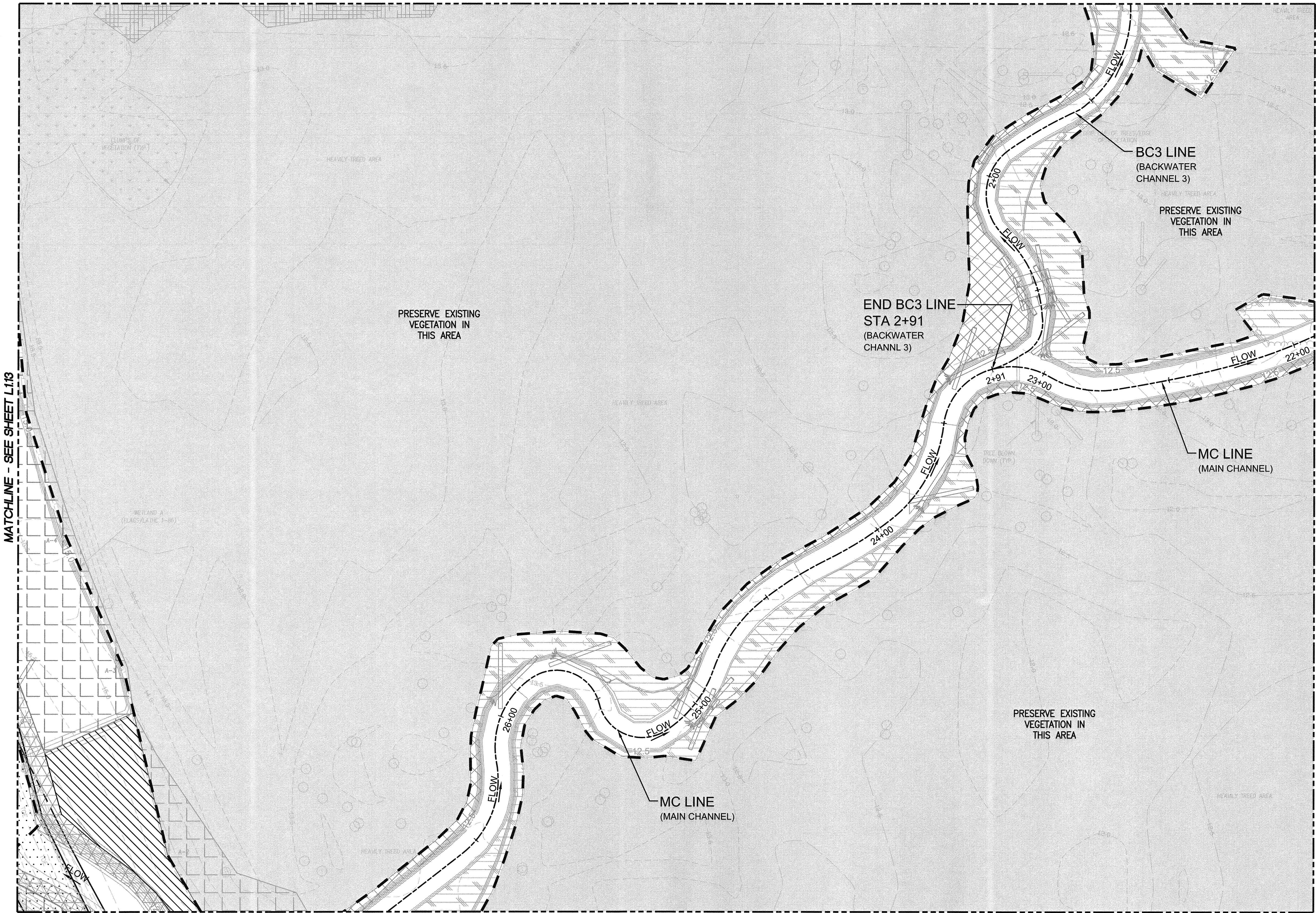
EXISTING CLEAR CREEK

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UCCMS
PLANT MAINTENANCE AND REPLACEMENT

MATCHLINE - SEE SHEET L1.11



MATCHLINE - SEE SHEET L1.16

LANDSCAPE PLANTING LEGEND

- PROJECT LIMIT LINE (PLANT MAINT. & REPLACEMENT WORK AREA)
- SHADED AREA DENOTES EXISTING AND PLANTED VEGETATION AREAS MAINTAINED BY PORT STEWARDSHIP CONTRACTOR (NO WORK THIS AREA)
- EXISTING CLEAR CREEK - ORDINARY HIGH WATER LINE (OHW)
- CENTERLINE & STATIONING AT NEW STREAM CHANNEL
- WATER FLOW DIRECTION
- FINAL DESIGN CONTOURS (NOTE: SEE EXHIBIT B-1 FOR AS-BUILT CONTOURS)
- PRE-EXISTING TOPOGRAPHY CONTOURS

PLANTING ZONES LEGEND

- FOREST WETLAND FLOODPLAIN
- FOREST HUMMOCKS
- SCRUB-SHRUB WETLAND FLOODPLAIN
- SCRUB-SHRUB WETLAND FLOODPLAIN (TRANSITION)
- SCRUB-SHRUB WETLAND FLOODPLAIN (FRQ FLOOD)
- EMERGENT STREAM EDGES

GENERAL NOTES

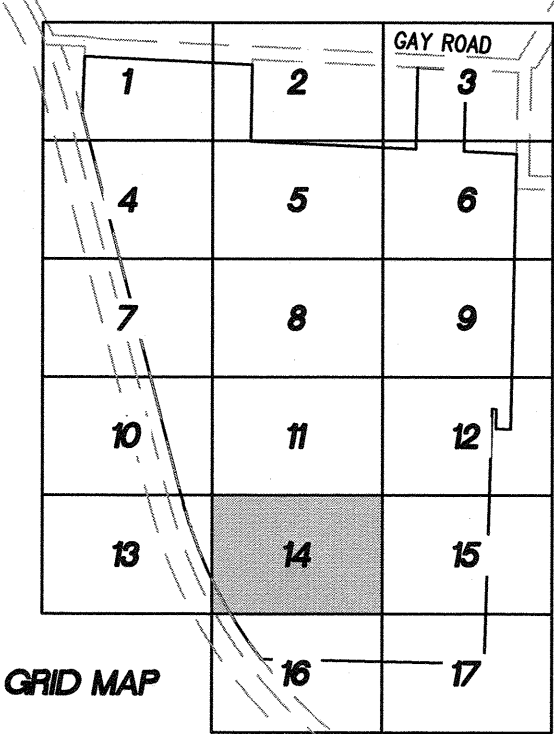
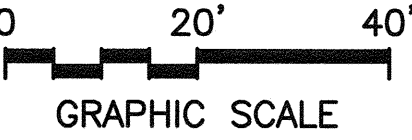
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HORIZ. & VERT. CONTROL

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PROJECT LAYOUT & STAKING

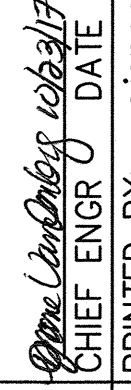
FIELD LOCATING AND STAKING OF LANDSCAPE PLANTS SHALL BE BY DIMENSIONS SHOWN ON DRAWINGS AND COORDINATES OBTAINED VIA ELECTRONIC DRAWING FILES WHICH WILL BE PROVIDED AT EXECUTION OF THE CONTRACT.



EP 6574
L1.14
SH 16 OF 22
CONT/CONS: 070696
M. ID: 101181.01
PHASE: BID SET

UCCMS
PLANT MAINTENANCE AND REPLACEMENT
LANDSCAPE PLANTING - GRID 14

TOWNSHIP: 20 N
RANGE: 3 E
SECTION: 14
DATE-HRZ: NAD83/07
VERT: MLLW (SEE NOTES ON L1.0)
PARCEL: 0320141001(&1086)
DRAWING SCALE: 1" = 20'

APPROVED:

CHIEF ENGR

CHECKED BY: DATE
PROJ. ENGR DATE
PRINTED BY: stensen Oct 18, 2017
PORT ADDRESS: ONE SITCUM PLAZA
TACOMA, WA 98401-1837

BRUCE DEES & ASSOCIATES
36069
REGISTERED PROFESSIONAL ENGINEER
10/18/2017

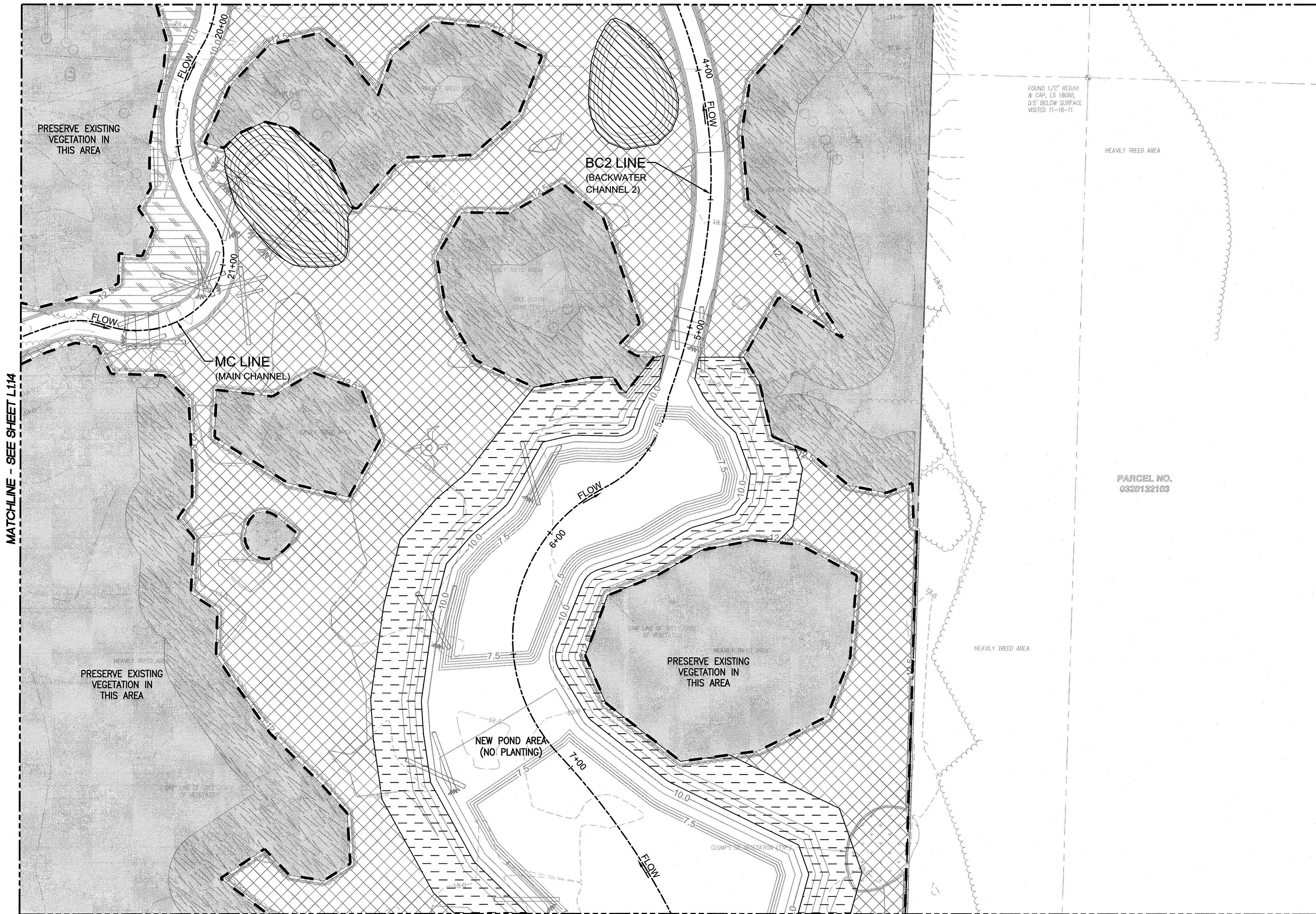
LA B MOSTRER-KO
STATE OF WASHINGTON
36069
REGISTERED PROFESSIONAL ENGINEER
10/18/2017

HERRERA
DATE: BY: APPR: REVISION:

Port of Tacoma
P.O. BOX 487 TACOMA, WA 98401 (206) 388-3841

UCCMS PLANT MAINTENANCE AND REPLACEMENT

MATCHLINE - SEE SHEET L1.12



MATCHLINE - SEE SHEET L1.17

LANDSCAPE PLANTING LEGEND

- PROJECT LIMIT LINE (PLANT MAINT. & REPLACEMENT WORK AREA)
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PLANTING ZONES LEGEND

- FOREST HUMMOCKS
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- MAINTENANCE BUFFER (SCRUB-SHRUB PLTG)
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GENERAL NOTES

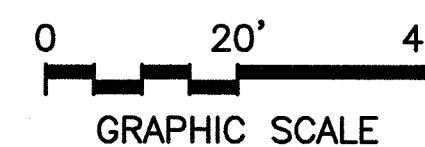
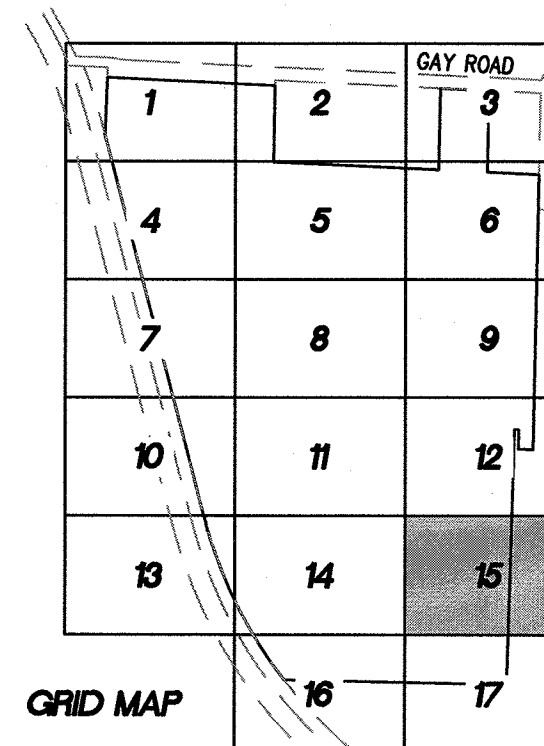
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PROJECT LAYOUT & STAKING

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BRUCE DEES & ASSOCIATES
Professional Engineers
1010 1st Ave. N.W. Suite 1000
Tacoma, WA 98401-1837
P.O. BOX 887 TACOMA, WA 98401-0887
PHONE: 253.255.5844

Port of Tacoma

HERRERA

REGISTERED PROFESSIONAL ENGINEER
36069
10/18/2017

APPROVED:

CHECKED BY: DATE: PROJECT ENGR: DATE: PRINTED BY: DATE: PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837

UCCMS
PLANT MAINTENANCE AND REPLACEMENT
LANDSCAPE PLANTING - GRID 15

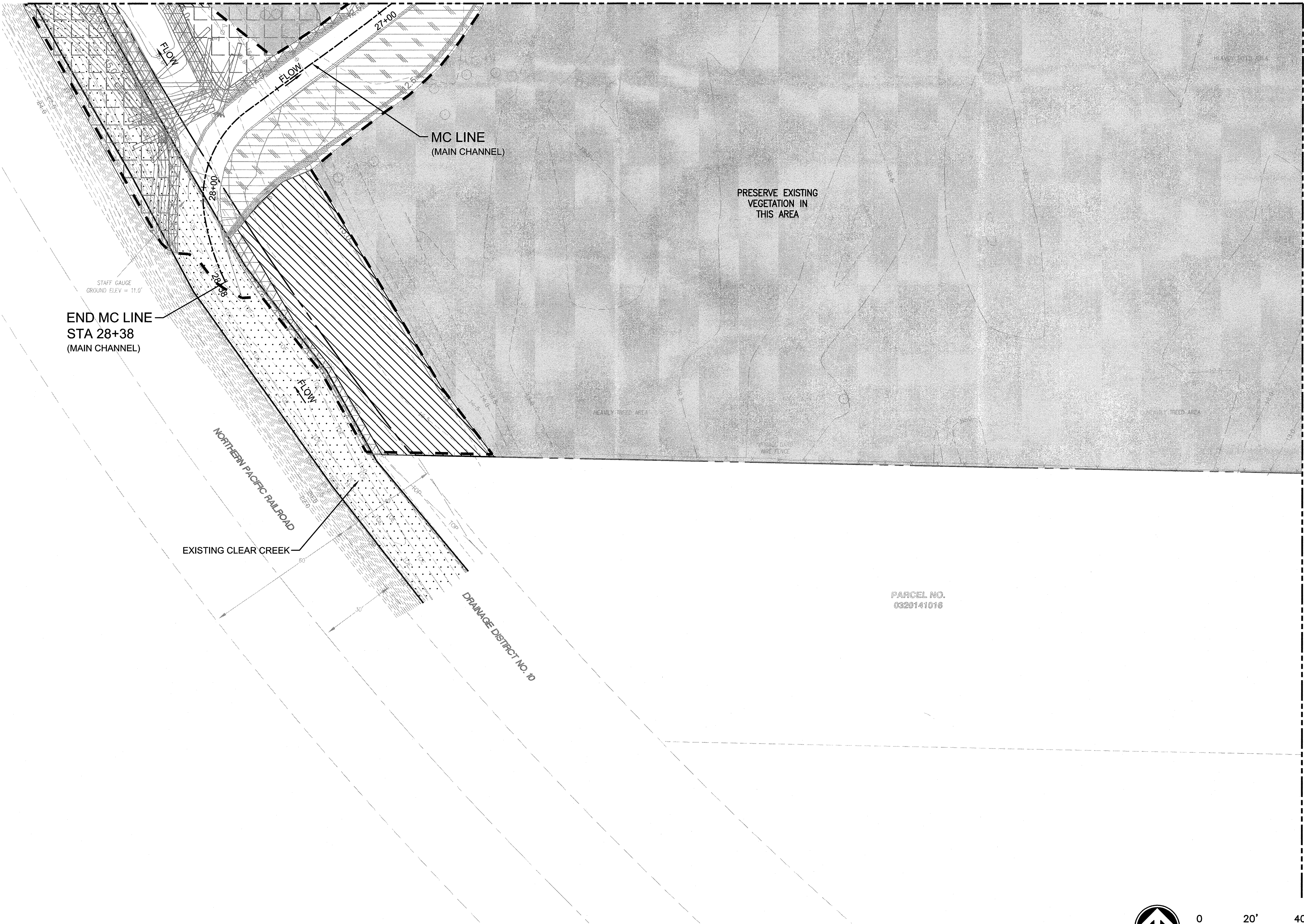
EP 6574
L1.15
SH 16 OF 22

CONTR/CONS: 070696
M. ID: 101181.01
PHASE: BID SET

TOWNSHIP: 20 N RANGE: 3 E SECTION: 14
DAT-HRZ: NAD83/07 VERT: MLLW (SEE NOTES ON L1.0)
PARCEL: 0320141001(&1086) DRAWING SCALE: 1" = 20'

UCCMS PLANT MAINTENANCE AND REPLACEMENT

MATCHLINE - SEE SHEET L114



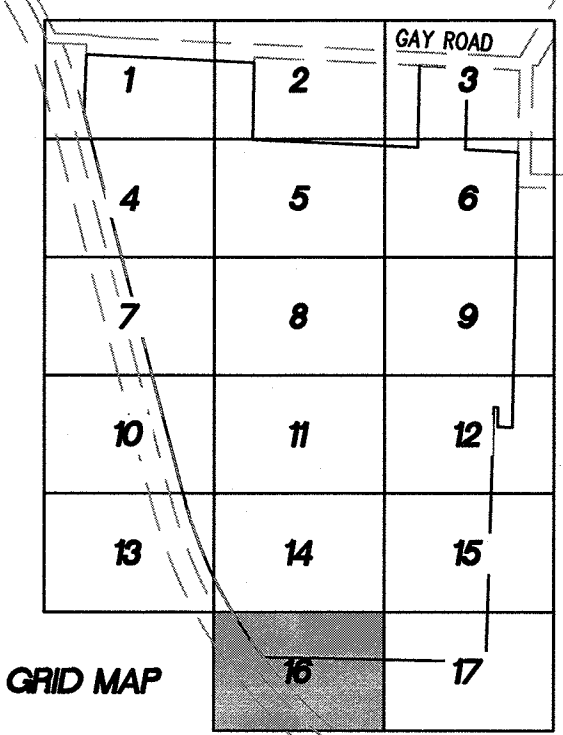
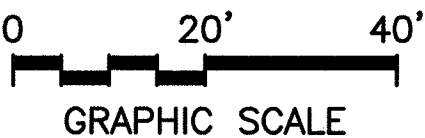
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0320141016

- LANDSCAPE PLANTING LEGEND**
- PROJECT LIMIT LINE (PLANT MAINT. & REPLACEMENT WORK AREA)
 - SHADED AREA DENOTES EXISTING AND PLANTED VEGETATION AREAS MAINTAINED BY PORT STEWARDSHIP CONTRACTOR (NO WORK THIS AREA)
 - EXISTING CLEAR CREEK - ORDINARY HIGH WATER LINE (OHW)
 - CENTERLINE & STATIONING AT NEW STREAM CHANNEL
 - WATER FLOW DIRECTION
 - FINAL DESIGN CONTOURS (NOTE: SEE EXHIBIT B-1 FOR AS-BUILT CONTOURS)
 - PRE-EXISTING TOPOGRAPHY CONTOURS
- PLANTING ZONES LEGEND**
- FOREST WETLAND FLOODPLAIN
 - FOREST HUMMOCKS
 - SCRUB-SHRUB WETLAND FLOODPLAIN (FRQ FLOOD)
 - EMERGENT STREAM EDGES

- GENERAL NOTES**
- CONTRACTOR SHALL VERIFY EXISTING UTILITY LOCATIONS PRIOR TO CONSTRUCTION. CONTACT 'CALL BEFORE YOU DIG' AT 800-424-5555 FOR FIELD LOCATION ASSISTANCE WITHIN PUBLIC RIGHT-OF-WAY. RETAIN A PRIVATE LOCATOR SERVICE TO LOCATE UTILITIES WITHIN THE PROJECT SITE.
 - ALL UPLAND (FOREST BUFFER AND FOREST HUMMOCKS) PLANT ZONES WERE SEEDED WITH UPLAND SEED MIXTURE PRIOR TO PLANTING.
 - ALL WETLAND (FOREST WETLAND FLOODPLAIN, SCRUB-SHRUB WETLAND FLOODPLAIN, EMERGENT POND EDGES, AND EMERGENT STREAM EDGES) PLANT ZONES WERE SEEDED WITH WETLAND SEED MIXTURE PRIOR TO PLANTING.
 - PLANTING ZONE MATERIALS ARE DEFINED ON SHEET L2.0.

HORIZ. & VERT. CONTROL
FOR HORIZONTAL AND VERTICAL CONTROL INFORMATION SEE LANDSCAPE PLANTING PLAN - COMPOSITE SHEET (L1.0).

PROJECT LAYOUT & STAKING
FIELD LOCATING AND STAKING OF LANDSCAPE PLANTS SHALL BE BY DIMENSIONS SHOWN ON DRAWINGS AND COORDINATES OBTAINED VIA ELECTRONIC DRAWING FILES WHICH WILL BE PROVIDED AT EXECUTION OF THE CONTRACT.



Port of Tacoma

BRUCE DEES & ASSOCIATES HERRERA

APPROVED: *[Signature]* DATE: 10/13/2017

CHIEF ENGINEER: *[Signature]* DATE: 10/13/2017

PRINTED BY: sjensen Oct 18, 2017

PORT ADDRESS: ONE SITCUM PLAZA

TACOMA, WA 98401-1837

UCCMS

PLANT MAINTENANCE AND REPLACEMENT

LANDSCAPE PLANTING - GRID 16

EP 6574

L1.16

SH 18 OF 22

CONT/CONS: 070696

M. ID: 101181.01

PHASE: BID SET

TOWNSHIP: 20 N

RANGE: 3 E

SECTION: 14

DAT-HRZ: NAD83/07

VERT: MLLW (SEE NOTES ON L1.0)

PARCEL: 0320141001 (&1086)

DRAWING SCALE: 1" = 20'

DATE:

APPR:

BY:

REVISION:

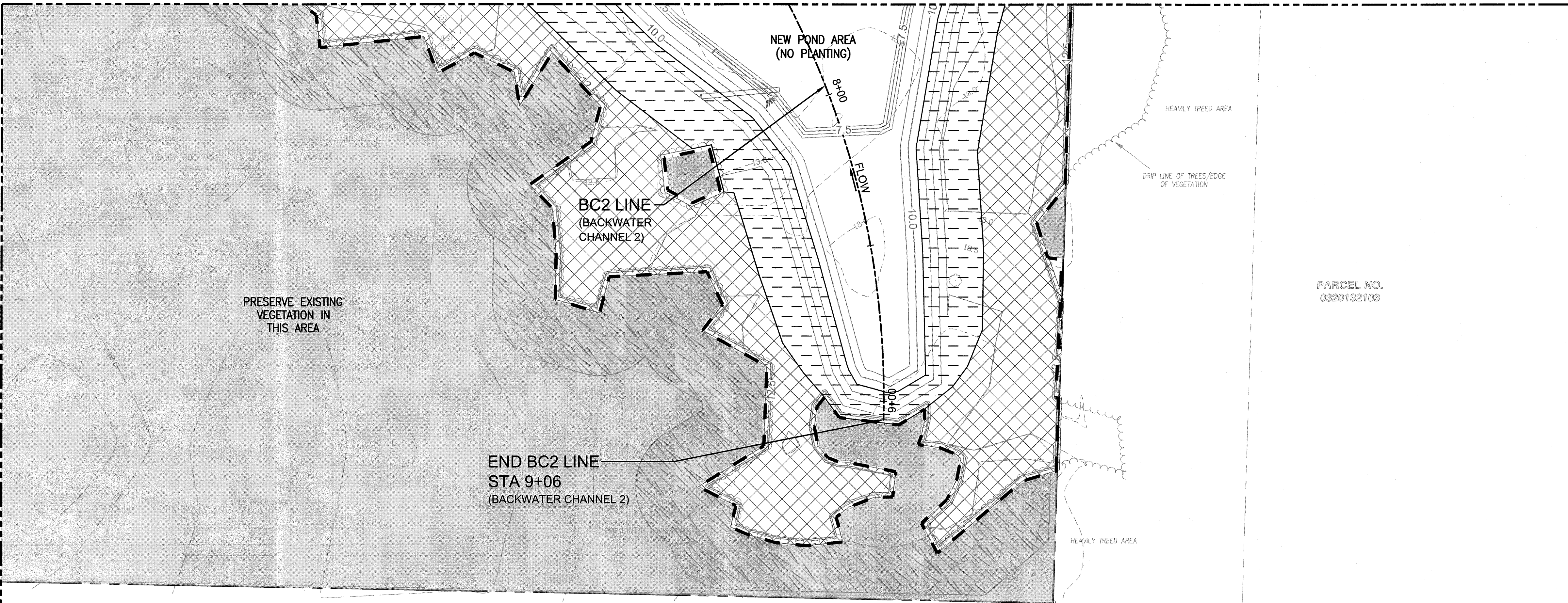
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MATCHLINE - SEE SHEET L1.16

UCCMS

PLANT MAINTENANCE AND REPLACEMENT

MATCHLINE - SEE SHEET L1.15



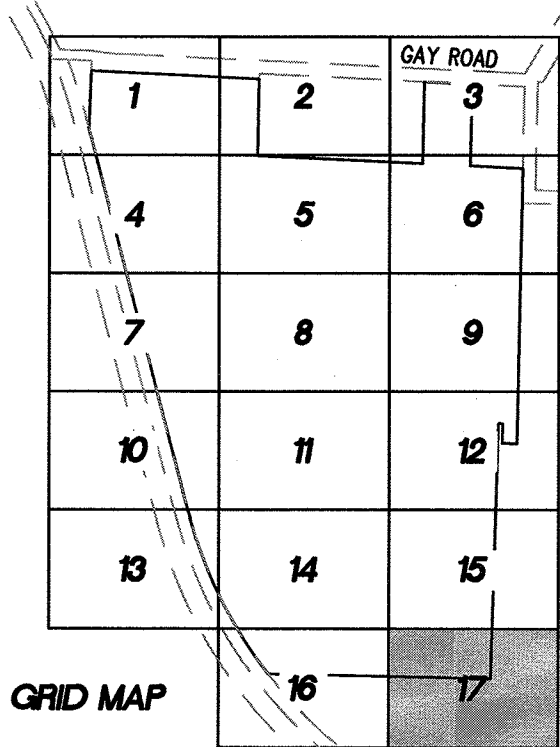
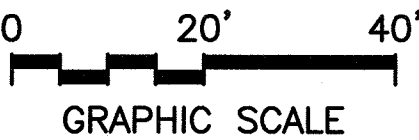
PARCEL NO. 0320141016

PARCEL NO.
0320132103

FOUND 5/8" REBAR
& CAP. I.S. 27133,
AT SURFACE,
0.20' EAST OF CORNER
VISITED 4-3-12

- ### LANDSCAPE PLANTING LEGEND
- PROJECT LIMIT LINE (PLANT MAINT. & REPLACEMENT WORK AREA)
 - SHADED AREA DENOTES EXISTING AND PLANTED VEGETATION AREAS MAINTAINED BY PORT STEWARDSHIP CONTRACTOR (NO WORK THIS AREA)
 - CENTERLINE & STATIONING AT NEW STREAM CHANNEL
 - WATER FLOW DIRECTION
 - FINAL DESIGN CONTOURS (NOTE: SEE EXHIBIT B-1 FOR AS-BUILT CONTOURS)
 - PRE-EXISTING TOPOGRAPHY CONTOURS
- ### PLANTING ZONES LEGEND
- SCRUB-SHRUB WETLAND FLOODPLAIN
 - MAINTENANCE BUFFER (SCRUB-SHRUB PLTG)
 - EMERGENT POND EDGES

- ### GENERAL NOTES
- CONTRACTOR SHALL VERIFY EXISTING UTILITY LOCATIONS PRIOR TO CONSTRUCTION. CONTACT 'CALL BEFORE YOU DIG' AT 800-424-5555 FOR FIELD LOCATION ASSISTANCE WITHIN PUBLIC RIGHT-OF-WAY. RETAIN A PRIVATE LOCATOR SERVICE TO LOCATE UTILITIES WITHIN THE PROJECT SITE.
 - ALL UPLAND (FOREST BUFFER AND FOREST HUMMOCKS) PLANT ZONES WERE SEEDED WITH UPLAND SEED MIXTURE PRIOR TO PLANTING.
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 - PLANTING ZONE MATERIALS ARE DEFINED ON SHEET L2.0.
- ### HORIZ. & VERT. CONTROL
- FOR HORIZONTAL AND VERTICAL CONTROL INFORMATION SEE LANDSCAPE PLANTING PLAN - COMPOSITE SHEET (L1.0).
- ### PROJECT LAYOUT & STAKING
- FIELD LOCATING AND STAKING OF LANDSCAPE PLANTS SHALL BE BY DIMENSIONS SHOWN ON DRAWINGS AND COORDINATES OBTAINED VIA ELECTRONIC DRAWING FILES WHICH WILL BE PROVIDED AT EXECUTION OF THE CONTRACT.



EP 6574

L1.17

SH 19 OF 22

UCCMS

PLANT MAINTENANCE AND REPLACEMENT

LANDSCAPE PLANTING - GRID 17

CONT/CONS: 070696	TOWNSHIP: 20 N	RANGE: 3 E	SECTION: 14
M. ID: 101181.01	DAT-HRZ: NAD83/07	VERT: MLW (SEE NOTES ON L1.0)	PRINTED BY: sletsen Oct 18, 2017
PHASE: BID SET	PARCEL: 0320141001(&1086)	DRAWING SCALE: 1" = 20'	PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837

APPROVED:

CHIEF ENGR DATE 10/18/17

PROJ. ENGR DATE

BRUCE DEES & ASSOCIATES

HERRERA

Port of Tacoma

MARK:	REVISION:	BY:	APPR:	DATE:

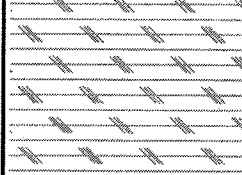
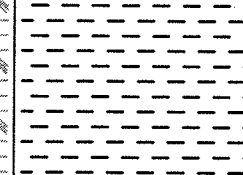
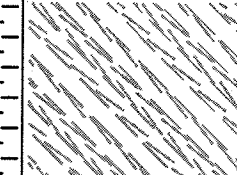
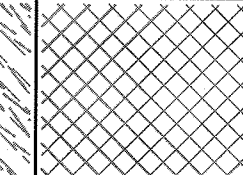
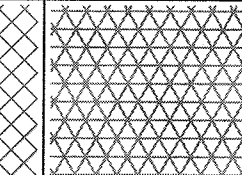
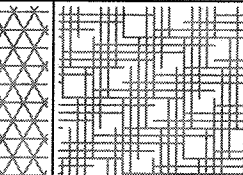
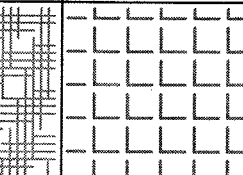
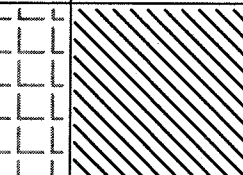
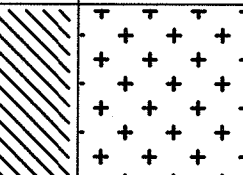
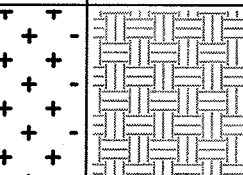
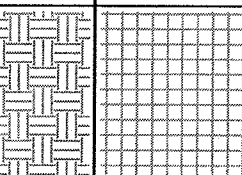
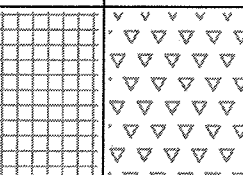
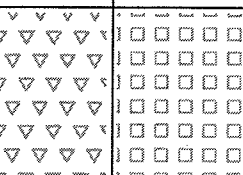
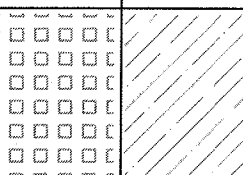
STATE OF WASHINGTON

REGISTERED PROFESSIONAL ENGINEER

36069

10/18/2017

PLANNED DESIGN LANDSCAPE PLANT MATERIALS & QUANTITIES SCHEDULE BY PLANT ZONE

STRATUM	SCIENTIFIC NAME	COMMON NAME	INDICATOR	PLANT MATERIAL	SPACING	TOTAL PLANT QUANTITIES	PLANT ZONE QUANTITIES														
							EMERGENT STREAM EDGES	EMERGENT POND EDGES	MAINTENANCE BUFFER (SCRUB- SHRUB PLANTING)	SCRUB-SHRUB WETLAND FLOODPLAIN	SCRUB-SHRUB WETLAND FLOODPLAIN (FREQUENTLY FLOODED)	SCRUB-SHRUB WETLAND FLOODPLAIN (TRANSITION)	FOREST WETLAND FLOODPLAIN	FOREST HUMMOCKS	FOREST BUFFER	FOREST BUFFER (SUN BUFFER - WEST)	FOREST BUFFER (SUN BUFFER - EAST)	FOREST BUFFER (SHADE BUFFER - WEST)	FOREST BUFFER (SHADE BUFFER - EAST)	FOREST BUFFER (DEPRESSION)	
																					
TREE																					
	ACER MACROPHYLLUM	BIG-LEAF MAPLE	FACU	1 GAL. CONT.	12' O.C.	348										335		13			
	ALNUS RUBRA	RED ALDER	FAC	1 GAL. CONT.	12' O.C.	702								427		249	13	13			
	CRATAEGUS DOUGLASII	BLACK HAWTHORN	FAC	1 GAL. CONT.	12' O.C.	333								320			13				
	FRAXINUS LATIFOLIA	OREGON ASH	FACW	1 GAL. CONT.	12' O.C.	326								326							
	POPULUS BALSAMIFERA	BLACK COTTONWOOD	FAC	1 GAL. CONT.	12' O.C.	323								310			13				
	POPULUS TREMULOIDES	QUAKING ASPEN	FACU	1 GAL. CONT.	12' O.C.	309								309							
	PICEA SITCHENSIS	SITKA SPRUCE	FAC	1 GAL. CONT.	12' O.C.	615								431	184						
	PINUS MONTICOLA	WESTERN WHITE PINE	FACU	1 GAL. CONT.	12' O.C.	294											281	13			
	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	FACU	1 GAL. CONT.	12' O.C.	360												13			
	RHAMNUS PURSHIANA	CASCARA	FAC	1 GAL. CONT.	12' O.C.	363								325				13		29	9
	SALIX LASIANDRA	PACIFIC WILLOW	FACW	LIVE STAKE	12' O.C.	6072			190	2912	706			2264							
	SALIX SCOULERIANA	SCOULER'S WILLOW	FAC	1 GAL. CONT.	12' O.C.	13															
	SALIX SCOULERIANA	SCOULER'S WILLOW	FAC	LIVE STAKE	12' O.C.	56											13				56
	THUJA PLICATA	WESTERN RED CEDAR	FACW	1 GAL. CONT.	12' O.C.	632								409	185					29	9
	TSUGA HETEROPHYLLA	WESTERN HEMLOCK	FACU	1 GAL. CONT.	12' O.C.	409									172	199				29	9
SHRUB																					
	ACER CIRCINATUM	VINE MAPLE	FAC	1 GAL. CONT.	5' O.C.	1569									520	969			59	21	
	AMELANCHIER ALNIFOLIA	SERVICEBERRY	FACU	1 GAL. CONT.	5' O.C.	1607									530	1006	36	35			
	CORNUS SERICEA	RED TWIG DOGWOOD	FACW	1 GAL. CONT.	5' O.C.	4837			50	1024			633	2851	207		36	36			
	CORYLUS CORNUTA	BEAKED HAZELNUT	FACU	1 GAL. CONT.	5' O.C.	1051											936	35	59	21	
	HOLODISCUS DISCOLOR	OCEANSPRAY	FACU	1 GAL. CONT.	5' O.C.	971											936	35			
	LONICERA INVOLUCRATA	BLACK TWINBERRY	FAC	1 GAL. CONT.	5' O.C.	3918			50	866			535	2431							
	MALUS FUSCA	CRABAPPLE	FACW	1 GAL. CONT.	5' O.C.	3509			50	900			465	2094			36				
	OEMLERIA CERASIFORMIS	INDIAN PLUM (OSOBERRY)	FACU	1 GAL. CONT.	5' O.C.	1016															
	PHYSOCARPUS CAPITATUS	PACIFIC NINEBARK	FACW	1 GAL. CONT.	5' O.C.	3992			50	864			562	2516			936		59	21	
	RIBES DIVARICATUM	SPREADING GOOSEBERRY	FAC	1 GAL. CONT.	5' O.C.	2393								1830	563						
	ROSA GYMNOCARPA	BALD-HIP ROSE	FACU	1 GAL. CONT.	5' O.C.	80															
	ROSA NUTKANA	NOOTKA ROSE	FAC	1 GAL. CONT.	5' O.C.	672									601		36	35	59	21	
	ROSA PISOCARPA	PEAFRUIT ROSE	FAC	1 GAL. CONT.	5' O.C.	2428			50	1077			1298	3							
	RUBUS PARVIFLORUS	THIMBLEBERRY	FACU	1 GAL. CONT.	5' O.C.	1066											936	36	35	59	
	RUBUS SPECTABILIS	SALMONBERRY	FAC	1 GAL. CONT.	5' O.C.	2331								1768	563						
	SAMBUCUS RACEMOSA	RED ELDERBERRY	FACU	1 GAL. CONT.	5' O.C.	1479								392			936	36	35	59	
	SALIX GEYERIANA	GEYER'S WILLOW	FACW	LIVE STAKE	5' O.C.	6219			100	2471	3648						936	36	35	59	21
	SALIX HOOKERIANA	HOOKEE WILLOW	FACW	LIVE STAKE	5' O.C.	5785			100	2037	3648										
	SALIX SITCHENSIS	SITKA WILLOW	FACW	LIVE STAKE	5' O.C.	5779			100	2031	3648										
	SALIX SITCHENSIS	SITKA WILLOW	FACW	LIVE STAKE	10' O.C.	28															
	SYMPHORICARPOS ALBUS	SNOWBERRY	FACU	1 GAL. CONT.	5' O.C.	1687															28
	VIBURNUM EDULE	HIGHBRUSH CRANBERRY	FACW	1 GAL. CONT.	5' O.C.	73			50	9				14	530	1006	36	35	59	21	
GROUND COVER AND FERNS																					
	ATHYRIUM FILIX-FEMINA	LADY FERN	FAC	1 GAL. CONT.	1.5' O.C.	4926					1014		572	1144					1679	517	
	FRAGARIA CHILOENSIS	COASTAL STRAWBERRY	FACU	1 GAL. CONT.	2.5' O.C.	877											449	428			
	POLYSTICHUM MUNITUM	SWORD FERN	FACU	1 GAL. CONT.	2.5' O.C.	24973									10026	14313			485	149	
	RUBUS URSINUS	PACIFIC BLACKBERRY	FACU	1 GAL. CONT.	2.5' O.C.	14155										12644	449	428	485	149	
EMERGENT																					
	CAREX LENTICULARIS	KELLOGG'S SEDGE	OBL	BARE ROOT	1.5' O.C.	3484	3484														
	CAREX OBNUPATA	SLOUGH SEDGE	OBL	BARE ROOT	1.5' O.C.	7365	5196	2169													
	CAREX STIPATA	SAWBEAK SEDGE	OBL	BARE ROOT	1.5' O.C.	4723	4723														
	CAREX UTRICULATA	BEAKED SEDGE	OBL	BARE ROOT	1.5' O.C.	2861	2861														
	ELEOCHARIS PALUSTRIS	CREEPING SPIKERUSH	OBL	BARE ROOT	1.5' O.C.	7365	5196	2169													
	SCIRPUS ACUTUS	HARDSTEM BULRUSH	OBL	BARE ROOT	1.5' O.C.	1913		1913													
	SCIRPUS MICROCARPUS	SMALL-FRUITED BULRUSH	OBL	BARE ROOT	1.5' O.C.	7365	5196	2169													
	SPARGANIUM EMERSUM	NARROWLEAF BURREED	OBL	BARE ROOT	1.5' O.C.	1913		1913													
TOTAL PLANT QUANTITIES						145565	26656	10333	790	15205	11650	4065	20164	14081	36029	1202	1189	3149	968	84	

LANDSCAPE PLANT MATERIALS REPLACEMENT SCHEDULE WITH QUANTITIES BY LANDSCAPE PLANTING PLAN GRID NUMBER

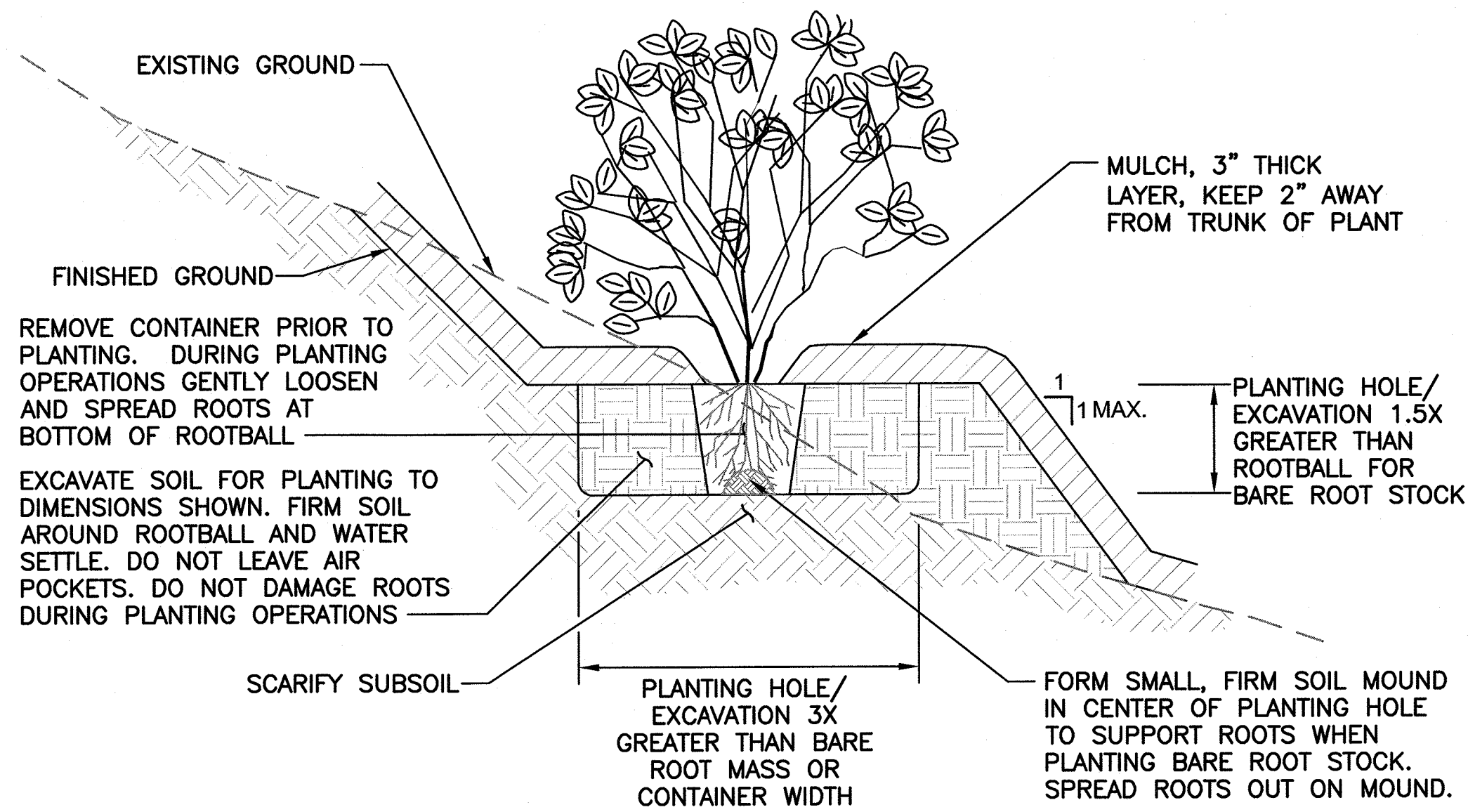
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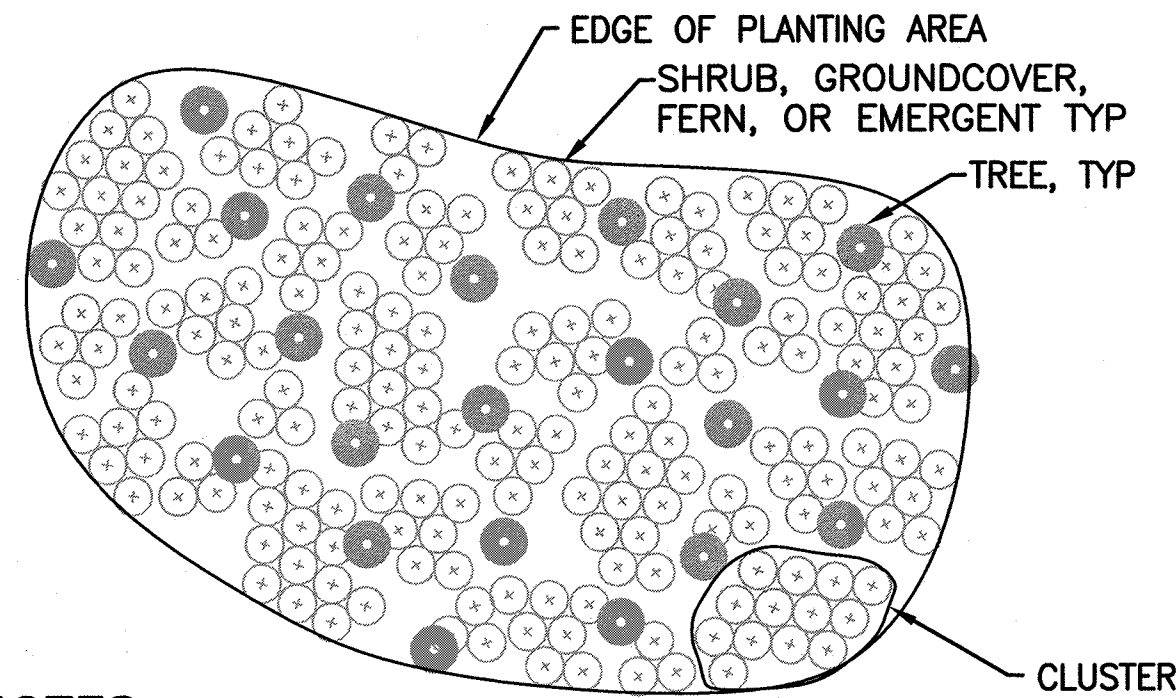
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UCCMS

PLANT MAINTENANCE AND REPLACEMENT

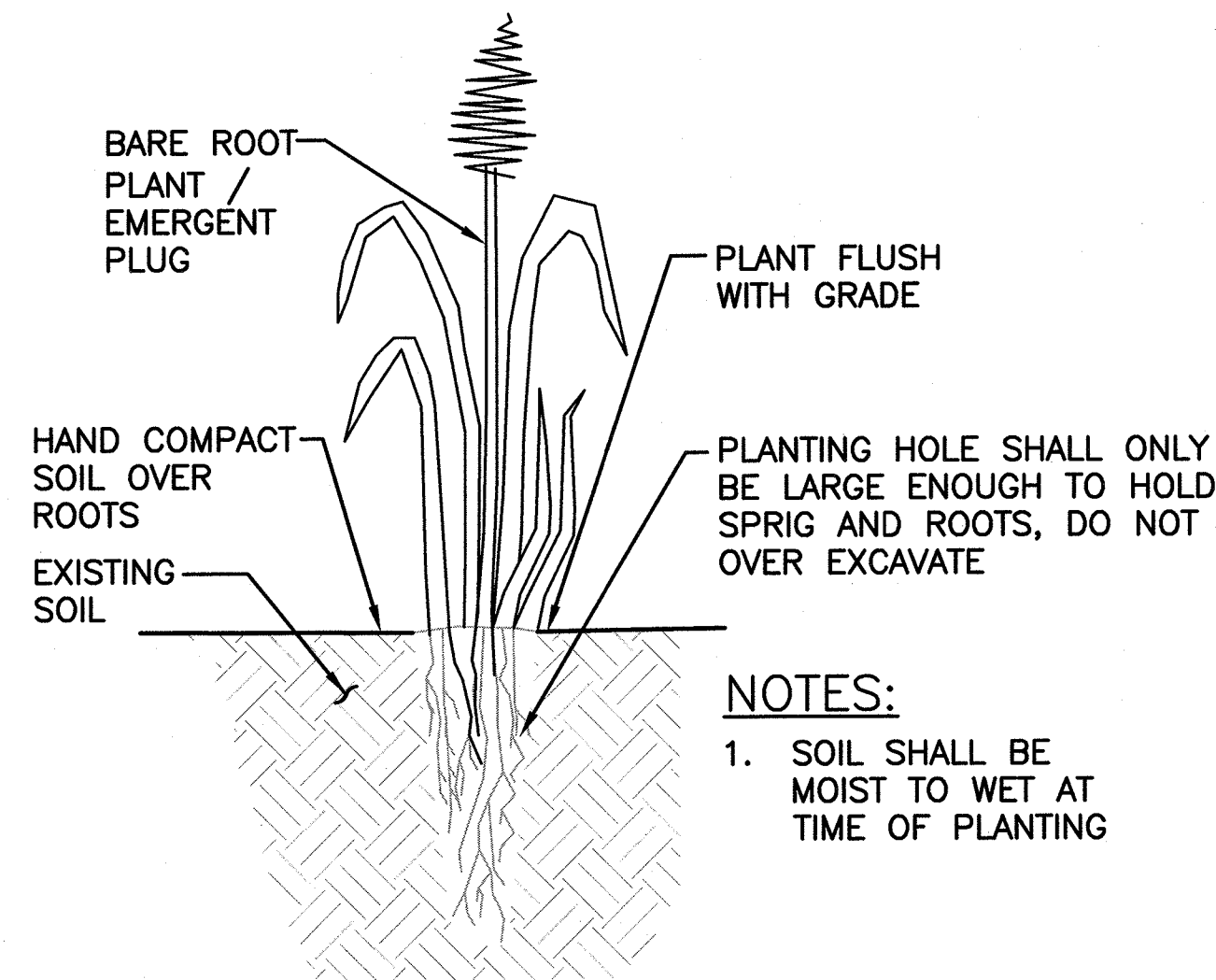


1 TREE/SHRUB BARE ROOT & CONTAINER PLANTING
SCALE : N. T. S.



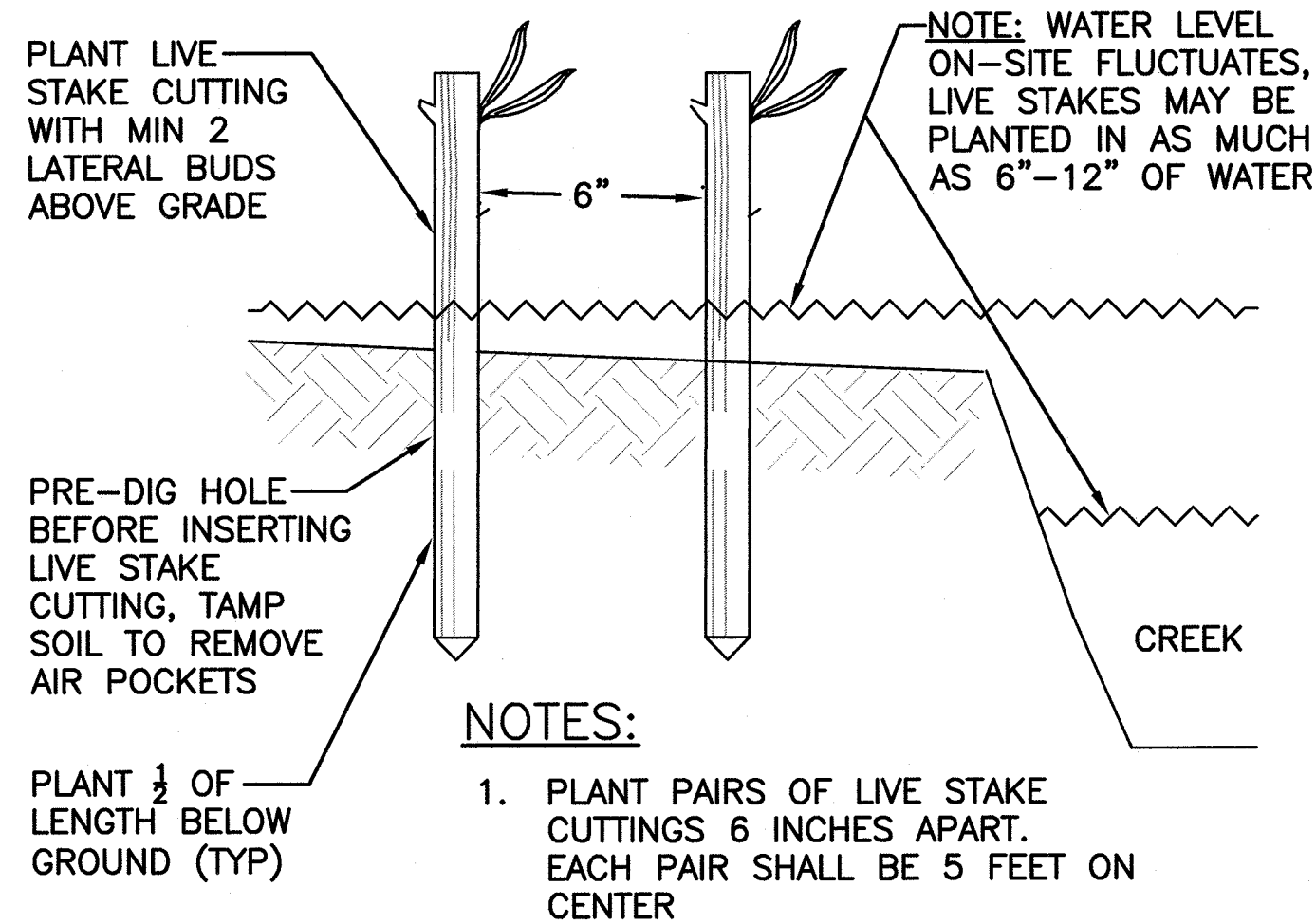
- NOTES:
1. PLANT EACH SPECIES IN CLUSTERS OF THREE, FIVE, SEVEN, AND THIRTEEN PLANTS.
 2. EVENLY DISTRIBUTE CLUSTERS THROUGHOUT PLANTING AREA.
 3. INTENT OF PLANTING IS TO APPEAR NATURAL AND INFORMAL.

2 PLANT SPECIES CLUSTERING
SCALE : N. T. S.



- NOTES:
1. SOIL SHALL BE MOIST TO WET AT TIME OF PLANTING

3 EMERGENT BARE ROOT PLANTING
SCALE : N. T. S.



- NOTES:
1. PLANT PAIRS OF LIVE STAKE CUTTINGS 6 INCHES APART. EACH PAIR SHALL BE 5 FEET ON CENTER

4 LIVE STAKE CUTTING PLANTING
SCALE : N. T. S.

LANDSCAPE PLANTING GENERAL NOTES:

1. REMOVE ALL WEEDS FROM PLANTING AND SEEDING ZONES PRIOR TO SEEDING AND PLANTING.
2. THE ENGINEER SHALL APPROVE GRADING PRIOR TO SEEDING AND PLANT INSTALLATION.
3. FINAL APPLICATION OF SEEDING AND FERTILIZING SHALL BE PERFORMED DURING MARCH 1 THROUGH MAY 15 OR SEPTEMBER 1 THROUGH OCTOBER 1.
4. ALL UPLAND (FOREST BUFFER AND FOREST HUMMOCKS) PLANT ZONES SHALL BE SEEDED WITH UPLAND SEED MIXTURE PRIOR TO PLANTING.
5. ALL WETLAND (FOREST WETLAND FLOODPLAIN, SCRUB-SHRUB WETLAND FLOODPLAIN, EMERGENT POND EDGES, AND EMERGENT STREAM EDGES) PLANT ZONES SHALL BE SEEDED WITH WETLAND SEED MIXTURE PRIOR TO PLANTING.
6. PLANT SUBSTITUTIONS ARE SUBJECT TO APPROVAL BY THE ENGINEER.
7. PLANTS SHALL BE TAGGED FOR IDENTIFICATION AND VERIFIED BY THE ENGINEER PRIOR TO INSTALLATION.
8. KEEP PLANTS SHADED UNTIL ACTUAL TIME OF PLANTING. DO NOT LET PLANT MATERIAL SIT IN SUN OR DRY OUT BEFORE PLANTING.
9. INSTALL CONTAINER-GROWN PLANT MATERIALS AND LIVE STAKE CUTTINGS FROM OCTOBER 15 THROUGH MARCH 1. INSTALL BARE ROOT EMERGENT PLANT MATERIALS FROM SEPTEMBER 1 THROUGH OCTOBER 1.

EP 6574 L2.2 SH 22 OF 22 CONT/CONS: 070696 M. ID: 101181.01 PHASE: BID SET	UCCMS PLANT MAINTENANCE AND REPLACEMENT LANDSCAPE PLANTING DETAILS	APPROVED: CHIEF ENGINEER DATE: Oct 18, 2017	CHECKED BY: [Signature] DATE: [Blank]	TOWNSHIP: 20 N RANGE: 3 E SECTION: 14 DATE-HRZ: NAD83/07 PARCEL: 0320141001(&1086)	PRINTED BY: siensen PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837	DATE: [Blank]	BY: [Blank]	REVISION: [Blank]	APPR: [Blank]	DATE: [Blank]	Port of Tacoma P.O. BOX 1837 TACOMA, WA 98401 (206)885-5841

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