

PORT OF TACOMA

UCCMS PLANT MAINTENANCE AND REPLACEMENT

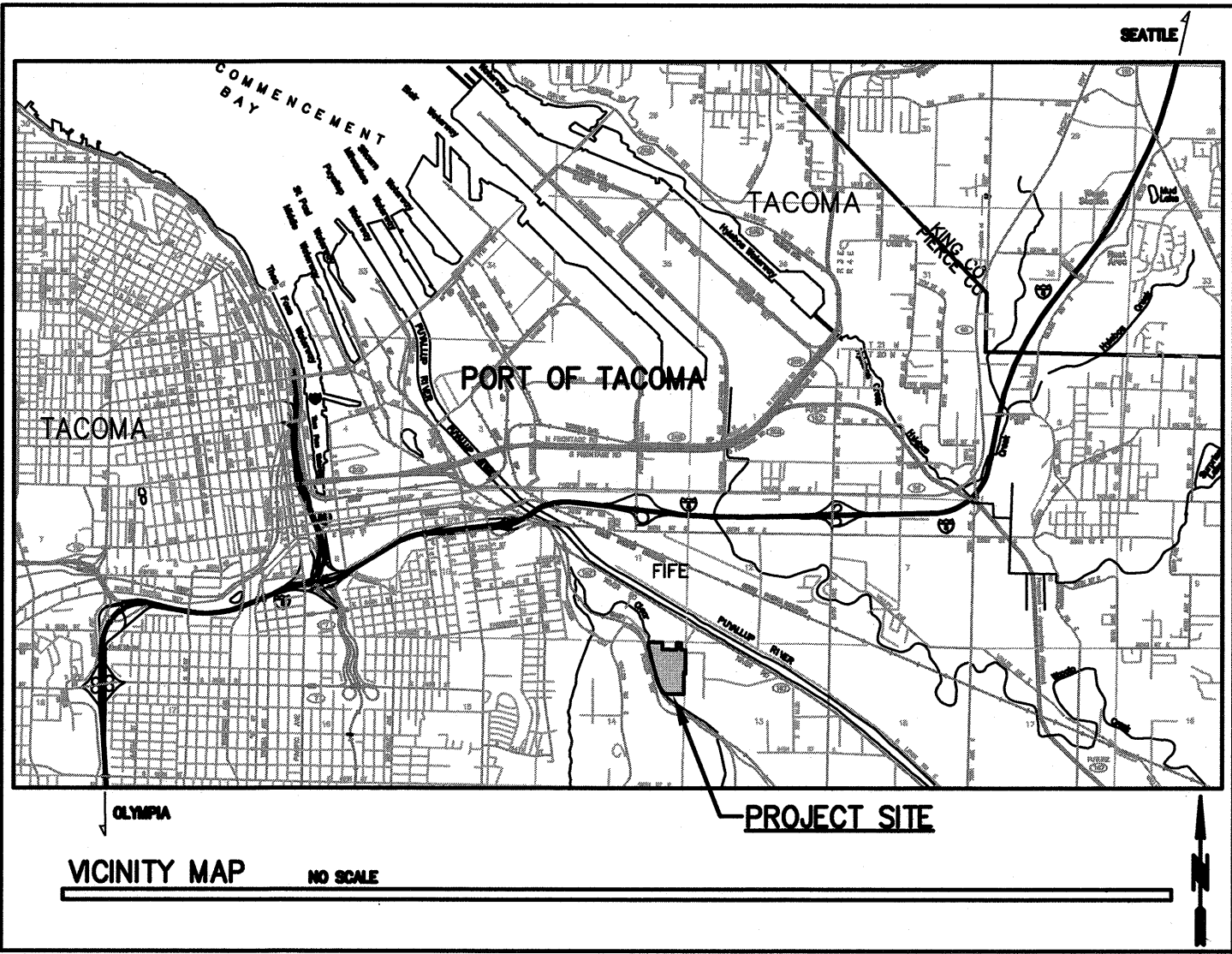
MASTER ID NO. 101181.01
CONTRACT NO. 070696

PORT COMMISSIONERS:

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

PORT STAFF:

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Chief Executive Officer
DAKOTA CHAMBERLAIN, P.E.
Chief Facilities
Development Officer
JANE VANDENBERG, P.E.
Director, Engineering
DAVID R. MYERS, CSI, NCARB
Project Manager II
MARK RETTMANN
Environmental Project Manager II



CONSULTANT:

BRUCE
DEES &
ASSOCIATES

Landscape Architecture * Urban Design
Site Planning * Recreation Facilities Design
222 E. 28th St., No. 202, Tacoma, WA 98421 (253)627-7947

DRAWING LIST		
SHEET DESIGNATION(S)	SHEET #	SHEET TITLE(S)
G0.1	1	COVER SHEET
L1.0	2	LANDSCAPE PLANTING PLAN - COMPOSITE
L1.1 - L1.17	3 - 19	LANDSCAPE PLANTING PLANS - GRIDS 1 THROUGH 17
L2.0	20	PLANNED DESIGN LANDSCAPE PLANT MATERIALS SCHEDULE
L2.1	21	LANDSCAPE PLANT MATERIALS REPLACEMENT SCHEDULE
L2.2	22	LANDSCAPE PLANTING DETAILS

Port of Tacoma
P.O. BOX 4857 TACOMA, WA 98401 (253)858-5841

HERRERA

BRUCE DEES & ASSOCIATES
Landscape Architecture * Urban Design
Site Planning * Recreation Facilities Design
222 E. 28th St., No. 202, Tacoma, WA 98421 (253)627-7947

MARK: REVISION: BY: DATE:

APPR:

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

UCCMS
PLANT MAINTENANCE AND REPLACEMENT
COVER SHEET

EP 6574
G0.1
SH 1 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 SV2.0)
PARCEL: 0320141001(&1086) DRAWING SCALE: N/A

APPROVED:

CHIEF ENGR DATE

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0 100' 200'

GRAPHIC SCALE

UCCMS

PLANT MAINTENANCE AND REPLACEMENT



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)
- WATER FLOW DIRECTION
- FINAL DESIGN CONTOURS (NOTE: SEE EXHIBIT B-1 FOR AS-BUILT CONTOURS)
- AS-BUILT TOPOGRAPHY CONTOURS
- PRE-EXISTING TOPOGRAPHY CONTOURS

PLANTING ZONES LEGEND

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

GENERAL NOTES

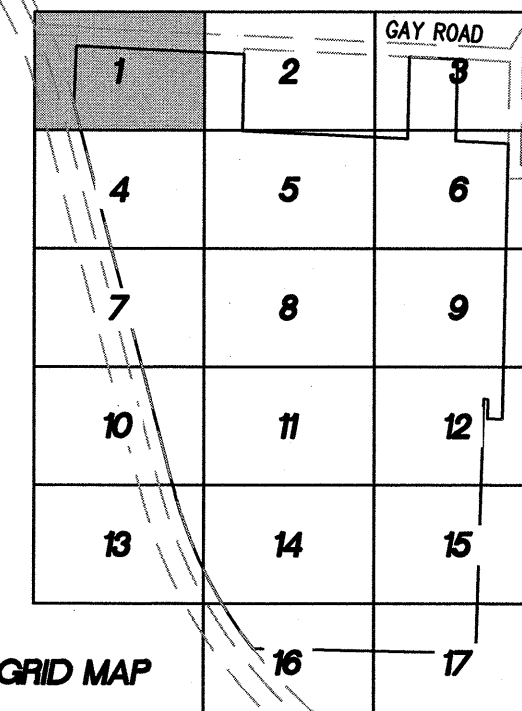
- CONTRACTOR SHALL VERIFY EXISTING UTILITY LOCATIONS PRIOR TO CONSTRUCTION. CONTACT "CALL BEFORE YOU DIG" AT 800-424-5555 FOR FIELD LOCATION ASSISTANCE WITHIN PUBLIC RIGHT-OF-WAY. RETAIN A PRIVATE LOCATOR SERVICE TO LOCATE UTILITIES WITHIN THE PROJECT SITE.
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- ALL WETLAND (FOREST WETLAND FLOODPLAIN, SCRUB-SHRUB WETLAND FLOODPLAIN, EMERGENT POND EDGES, AND EMERGENT STREAM EDGES) PLANT ZONES WERE SEED 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

REGISTERED PROFESSIONAL ENGINEER

10/18/2017

APPROVED:

CHECKED BY: DATE

PROJECT ENGR: DATE

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PORT ADDRESS: ONE SITCUM PLAZA

TACOMA, WA 98401-1837

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PLANT MAINTENANCE AND REPLACEMENT

LANDSCAPE PLANTING - GRID 1

EP 6574

L1.1

SH 3 OF 22

CONTR/CONS: 070696

M. ID: 101181.01

PHASE: BID SET

TOWNSHIP: 20 N

RANGE: 3 E

SECTION: 14

DATE-HRZ: NAD83/07

VERT: MLW (SEE NOTES ON L1.0)

PARCEL: 0320141001(&1086)

DRAWING SCALE: 1" = 20'

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PLANT MAINTENANCE AND REPLACEMENT



LANDSCAPE PLANTING LEGEND

- PROJECT LIMIT LINE (PLANT MAINT. & REPLACEMENT WORK AREA)
- AS-BUILT TOPOGRAPHY CONTOURS
- PRE-EXISTING TOPOGRAPHY CONTOURS

PLANTING ZONES LEGEND

- FOREST BUFFER
- FOREST WETLAND FLOODPLAIN

GENERAL NOTES

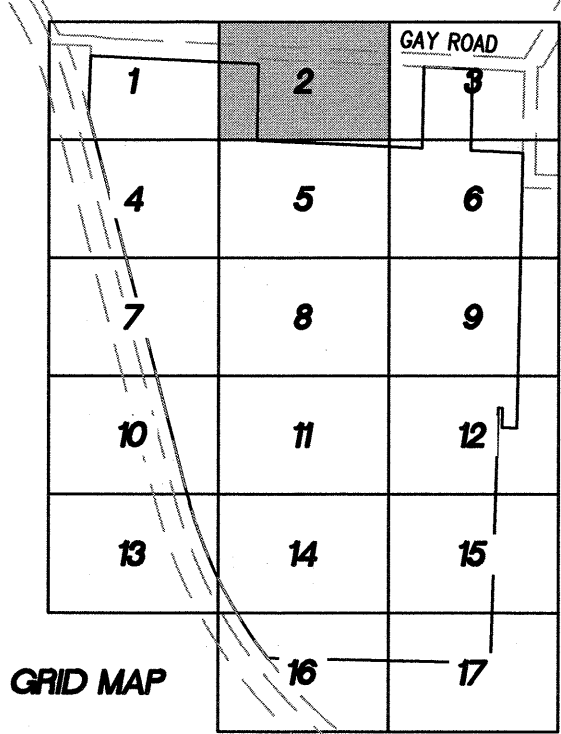
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HORIZ. & VERT. CONTROL

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BRUCE DEES & ASSOCIATES
HERRERA
10/18/2017

PROFESSIONAL ENGINEER
36069
10/18/2017

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

UCCMS
PLANT MAINTENANCE AND REPLACEMENT
LANDSCAPE PLANTING - GRID 2

EP 6574
L1.2
SH 4 OF 22

TOWNSHIP: 20 N
RANGE: 3 E
SECTION: 14
DATE-HRZ: NAD83/07
M. ID: 101181.01
PHASE: BID SET

PARCEL: 0320141001(&1086)
DRAWING SCALE: 1" = 20'

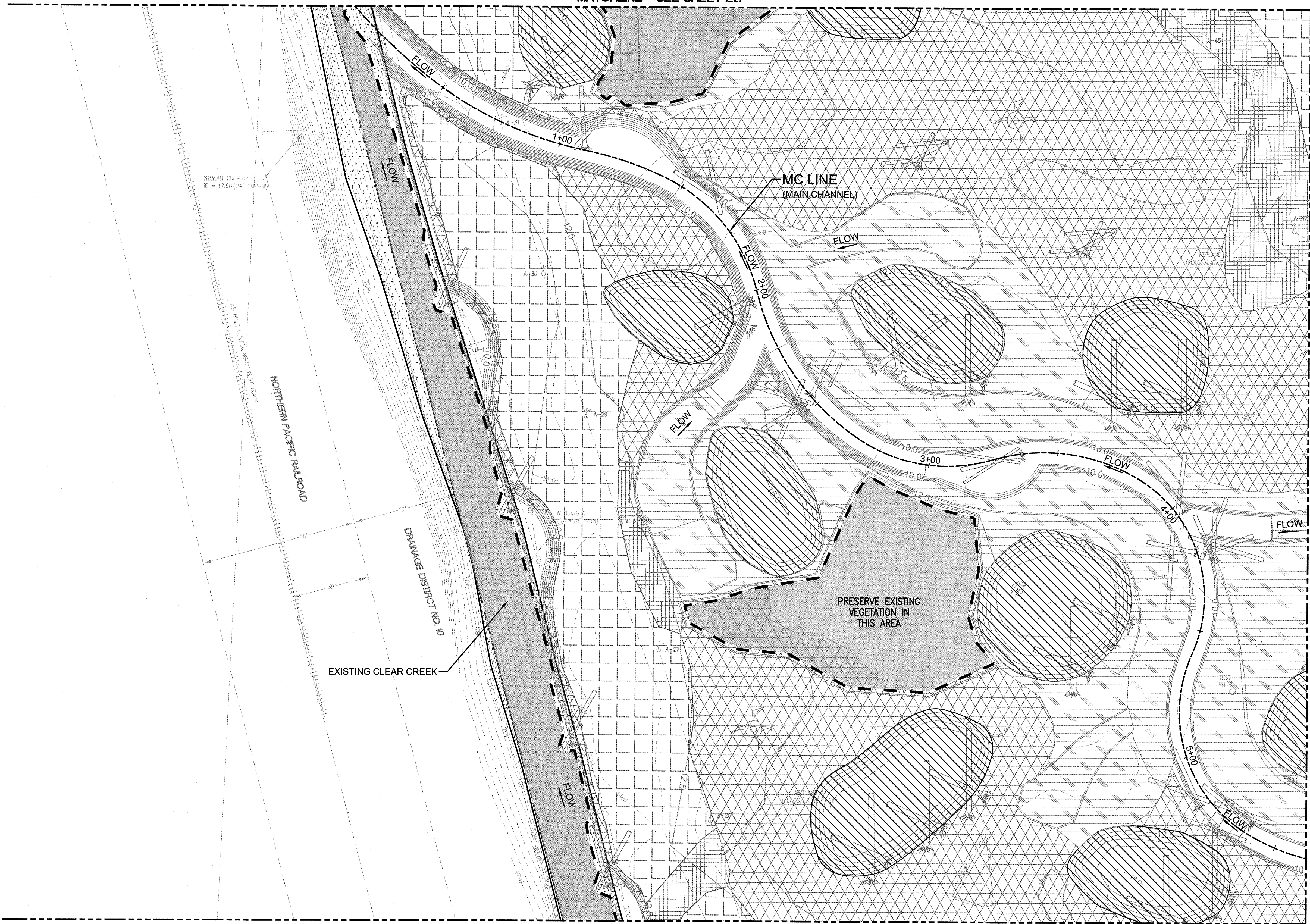
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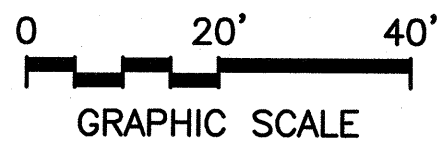
UCCMS

PLANT MAINTENANCE AND REPLACEMENT

MATCHLINE - SEE SHEET L1.1



MATCHLINE - SEE SHEET L1.7



- ### 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)
 - EMERGENT STREAM EDGES

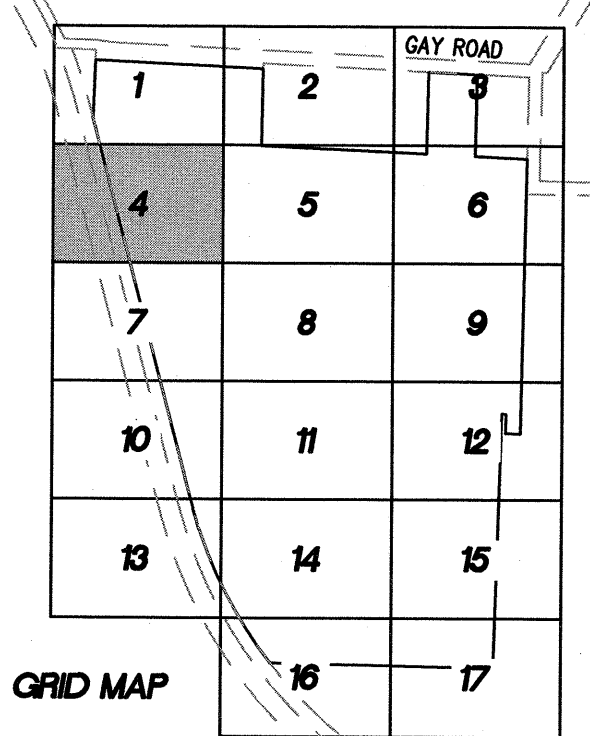
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 - PLANTING ZONE MATERIALS ARE DEFINED ON SHEET L2.0.

HORIZ. & VERT. CONTROL

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

PROJECT LAYOUT & STAKING

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EP 6574

L1.4

SH 6 OF 22

UCCMS

PLANT MAINTENANCE AND REPLACEMENT

LANDSCAPE PLANTING - GRID 4

CONT./CONS: 070696

M. ID: 101181.01

PHASE: BID SET

TOWNSHIP: 20 N

DAT-HRZ: NAD83/07

PARCEL: 0320141001(&1086)

RANGE: 3 E

VERT: MLLW (SEE NOTES ON L1.0)

DRAWING SCALE: 1" = 20'

SECTION: 14

DATE: 10/18/2017

DATE: 10/18/2017

PRINTED BY: sjensen

PORT ADDRESS: ONE SITCUM PLAZA

TACOMA, WA 98401-1837

APPROVED:

CHECKED BY: [Signature]

DATE: 10/18/17

CHIEF ENGR: [Signature]

DATE: 10/18/17

DATE: 10/18/17

BRUCE DEES & ASSOCIATES

REGISTERED PROFESSIONAL ENGINEER

NO. 56049

10/18/2017

HERRERA

DATE: []

BY: []

REVISION: []

APPR: []

Port of Tacoma

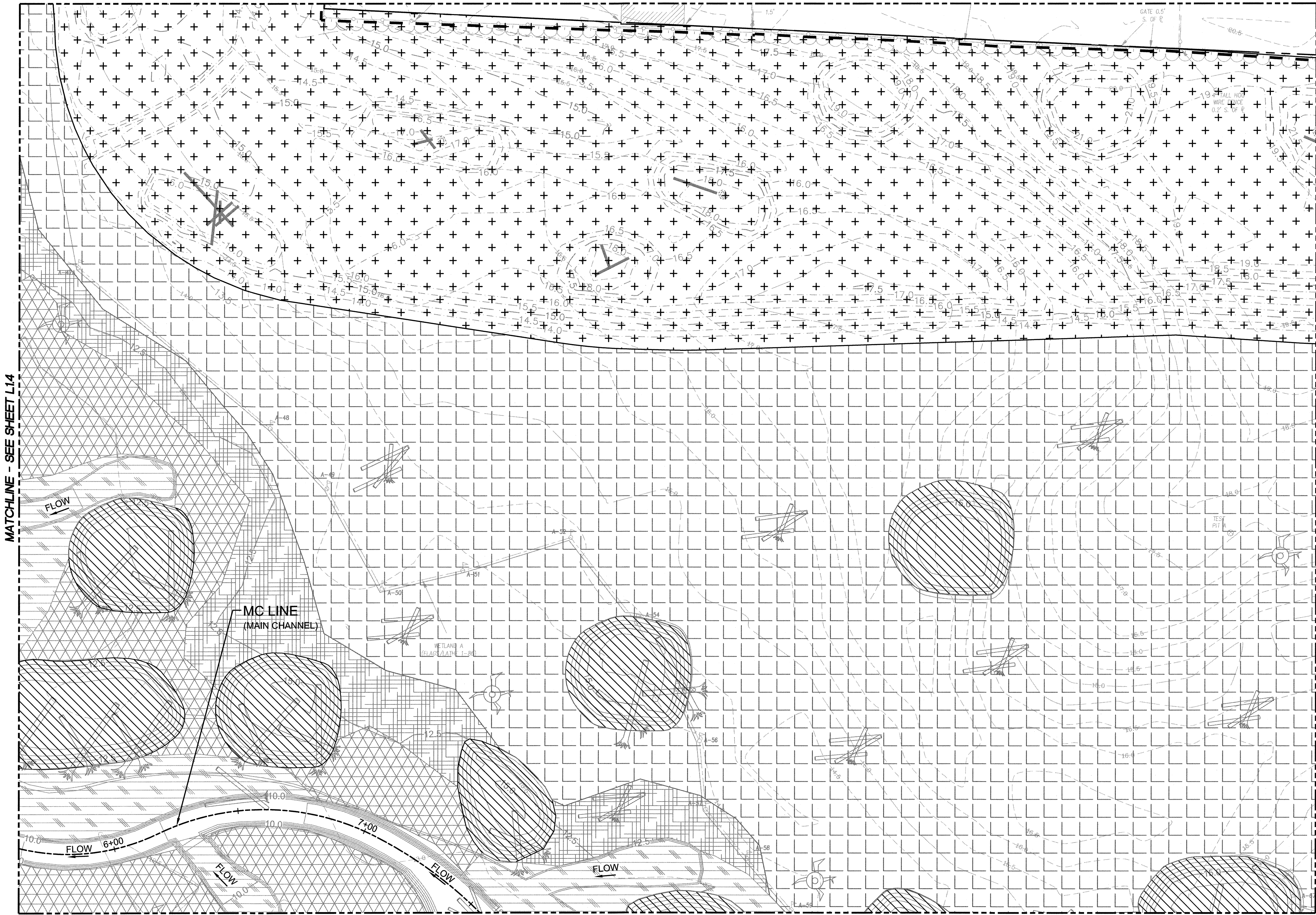
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PLANT MAINTENANCE AND REPLACEMENT

MATCHLINE - SEE SHEET L12



MATCHLINE - SEE SHEET L14

MATCHLINE - SEE SHEET L16

MATCHLINE - SEE SHEET L18

- ### LANDSCAPE PLANTING LEGEND
- PROJECT LIMIT LINE (PLANT MAINT. & REPLACEMENT WORK AREA)
 - CENTERLINE & STATIONING AT NEW STREAM CHANNEL
 - WATER FLOW DIRECTION
 - FINAL DESIGN CONTOURS (NOTE: SEE EXHIBIT B-1 FOR AS-BUILT CONTOURS)
 - AS-BUILT TOPOGRAPHY CONTOURS
 - PRE-EXISTING TOPOGRAPHY CONTOURS

- ### PLANTING ZONES LEGEND
- FOREST BUFFER
 - FOREST WETLAND FLOODPLAIN
 - FOREST HUMMOCKS
 - SCRUB-SHRUB WETLAND FLOODPLAIN (TRANSITION)
 - SCRUB-SHRUB WETLAND FLOODPLAIN (FRQ FLOOD)
 - EMERGENT STREAM EDGES

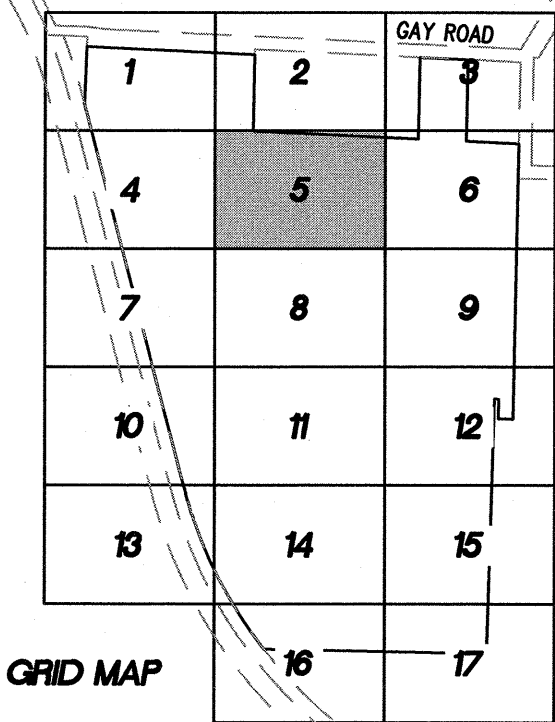
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HORIZ. & VERT. CONTROL

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PROJECT LAYOUT & STAKING

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PLANT MAINTENANCE AND REPLACEMENT

LANDSCAPE PLANTING - GRID 5

EP 6574

L1.5

SH 7 OF 22

CONTRACTOR: 070696

M. ID: 101181.01

PHASE: BID SET

TOWNSHIP: 20 N

RANGE: 3 E

SECTION: 14

DAT-HRZ: NAD83/07

VERT: MLW (SEE NOTES ON L1.0)

PARCEL: 0320141001(&1086)

DRAWING SCALE: 1" = 20'

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TACOMA, WA 98401-1837

BRUCE DEES & ASSOCIATES

REGISTERED PROFESSIONAL ENGINEER

36069

10/18/2017

Port of Tacoma

HERRERA

DATE:

APPR:

BY:

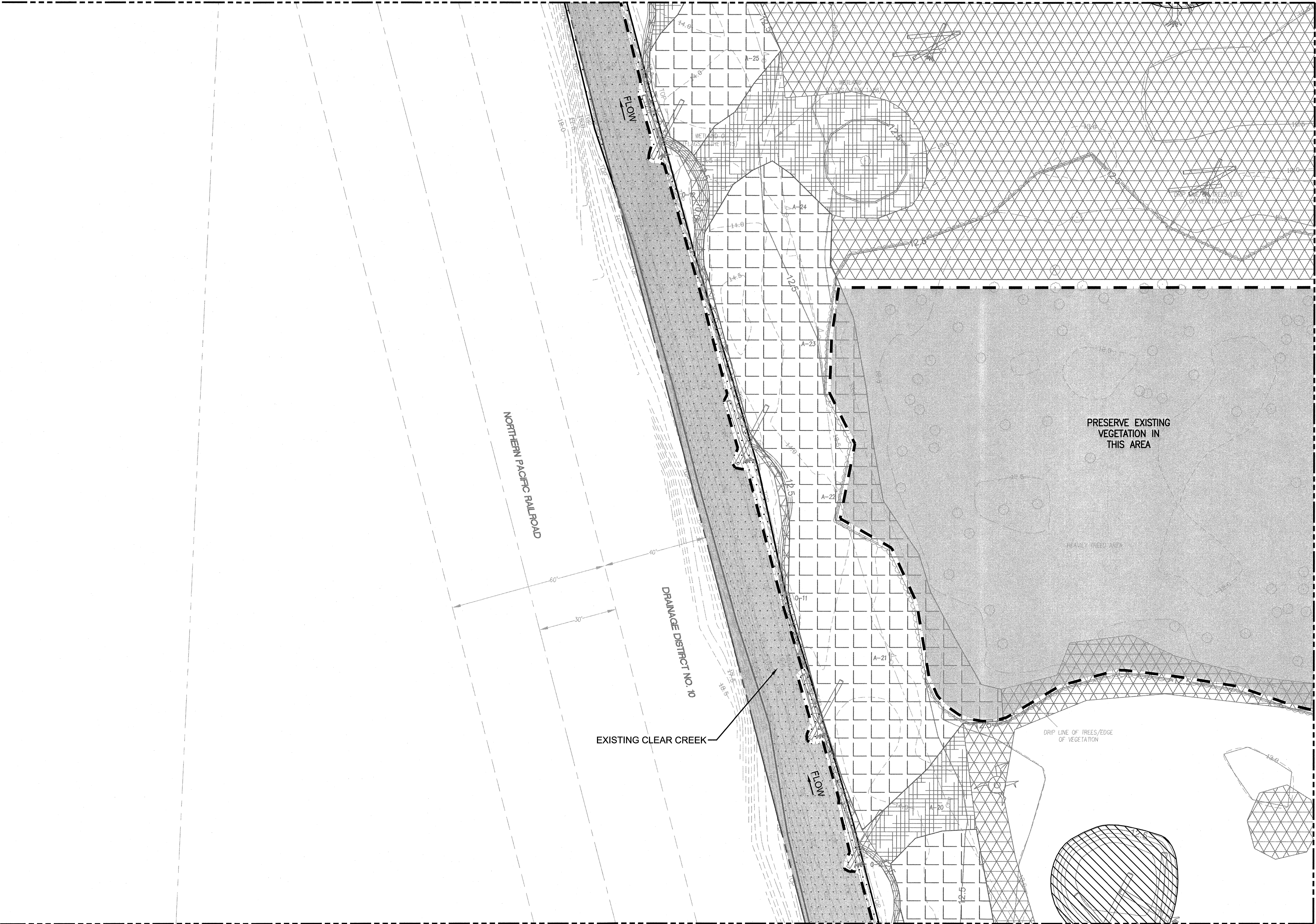
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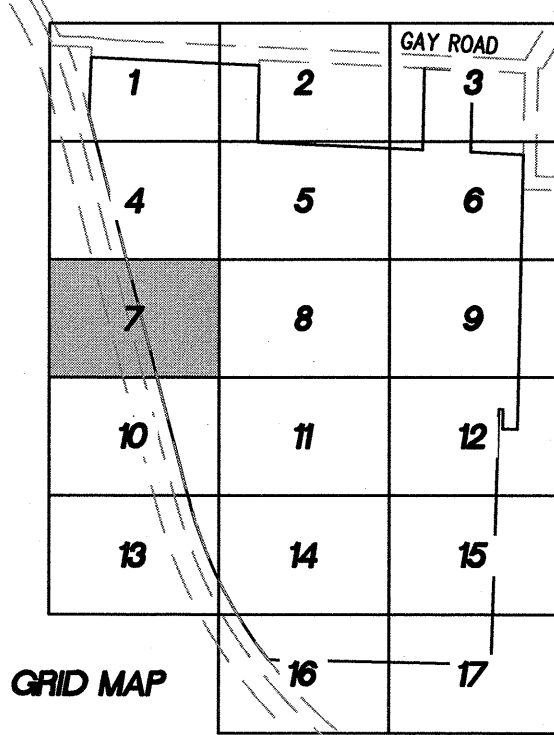
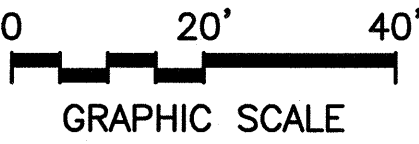
UCCMS

PLANT MAINTENANCE AND REPLACEMENT

MATCHLINE - SEE SHEET L14



MATCHLINE - SEE SHEET L10



- ### 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)
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 - 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 (TRANSITION)
 - SCRUB-SHRUB WETLAND FLOODPLAIN (FRQ FLOOD)
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Port of Tacoma

BRUCE DEES & ASSOCIATES

LAURENCE HERRERA

REGISTERED PROFESSIONAL ENGINEER

36069

10/18/2017

APPROVED:	CHECKED BY:	DATE:	PROJECT ENGR:	DATE:
	David Dees	10/18/17	sjensen	Oct 18, 2017
PRINTED BY:			PORT ADDRESS: ONE SITCUM PLAZA	
TACOMA, WA 98401-1837				

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PLANT MAINTENANCE AND REPLACEMENT

LANDSCAPE PLANTING - GRID 7

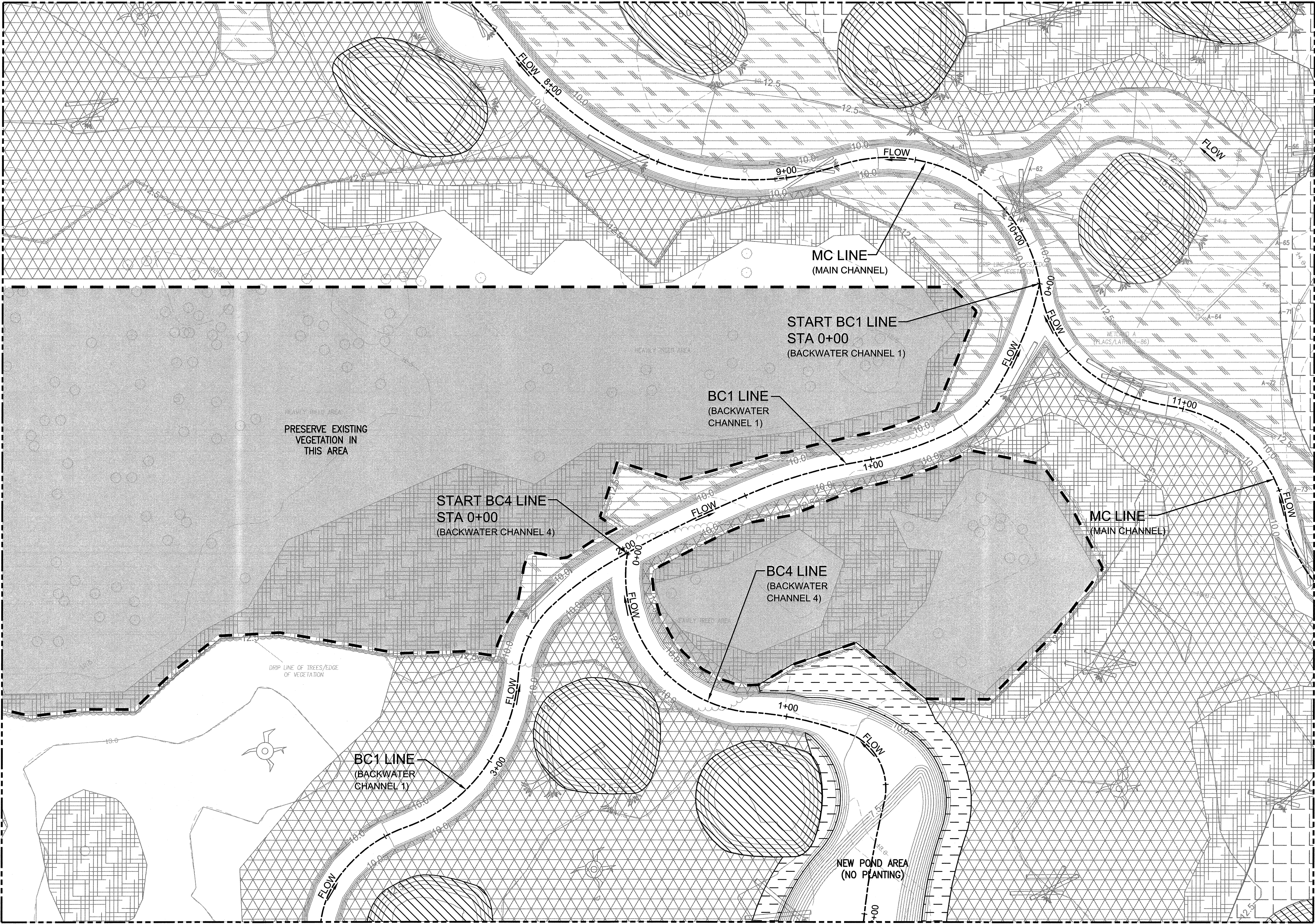
EP 6574	SH 9 OF 22	TOWNSHIP: 20 N	RANGE: 3 E	SECTION: 14
L1.7	CONT/CONS: 070696	DAT-HRZ: NAD83/07	VERT: MLLW (SEE NOTES ON L1.0)	DATE: 10/18/17
	M. ID: 101181.01	PARCEL: 0320141001(&1086)	DRAWING SCALE: 1" = 20'	PHASE: BID SET

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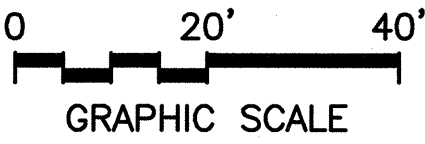
MATCHLINE - SEE SHEET L17

UCCMS PLANT MAINTENANCE AND REPLACEMENT

MATCHLINE - SEE SHEET L15

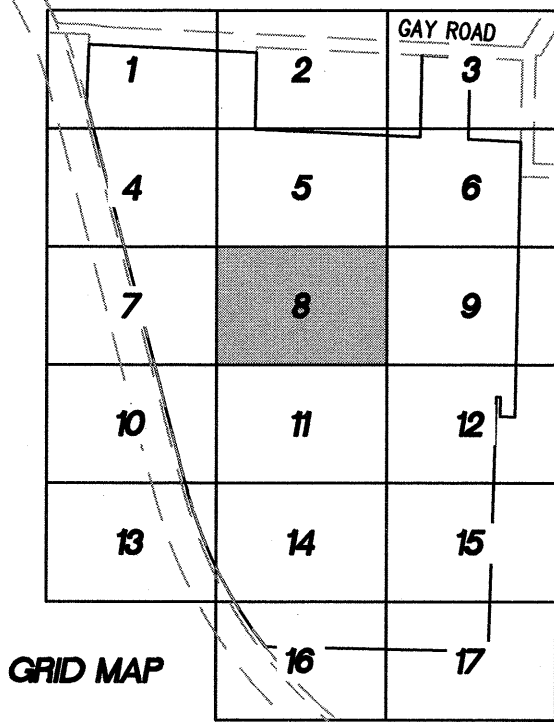


MATCHLINE - SEE SHEET L11



- LANDSCAPE PLANTING LEGEND**
- PROJECT LIMIT LINE (PLANT MAINT. & REPLACEMENT WORK AREA)
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 - 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)
 - EMERGENT STREAM EDGES
 - EMERGENT POND EDGES

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

APPROVED: *Don L. Dees* 10/23/17
CHIEF ENGR

UCCMS
PLANT MAINTENANCE AND REPLACEMENT
LANDSCAPE PLANTING - GRID 8

EP 6574
L1.8
SH 10 OF 22

Port of Tacoma
HERRERA
BRUCE DEES & ASSOCIATES
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REGISTERED PROFESSIONAL ENGINEER
10/18/2017

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

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CONTRACTOR: 070696 M. ID: 101181.01 PHASE: BID SET

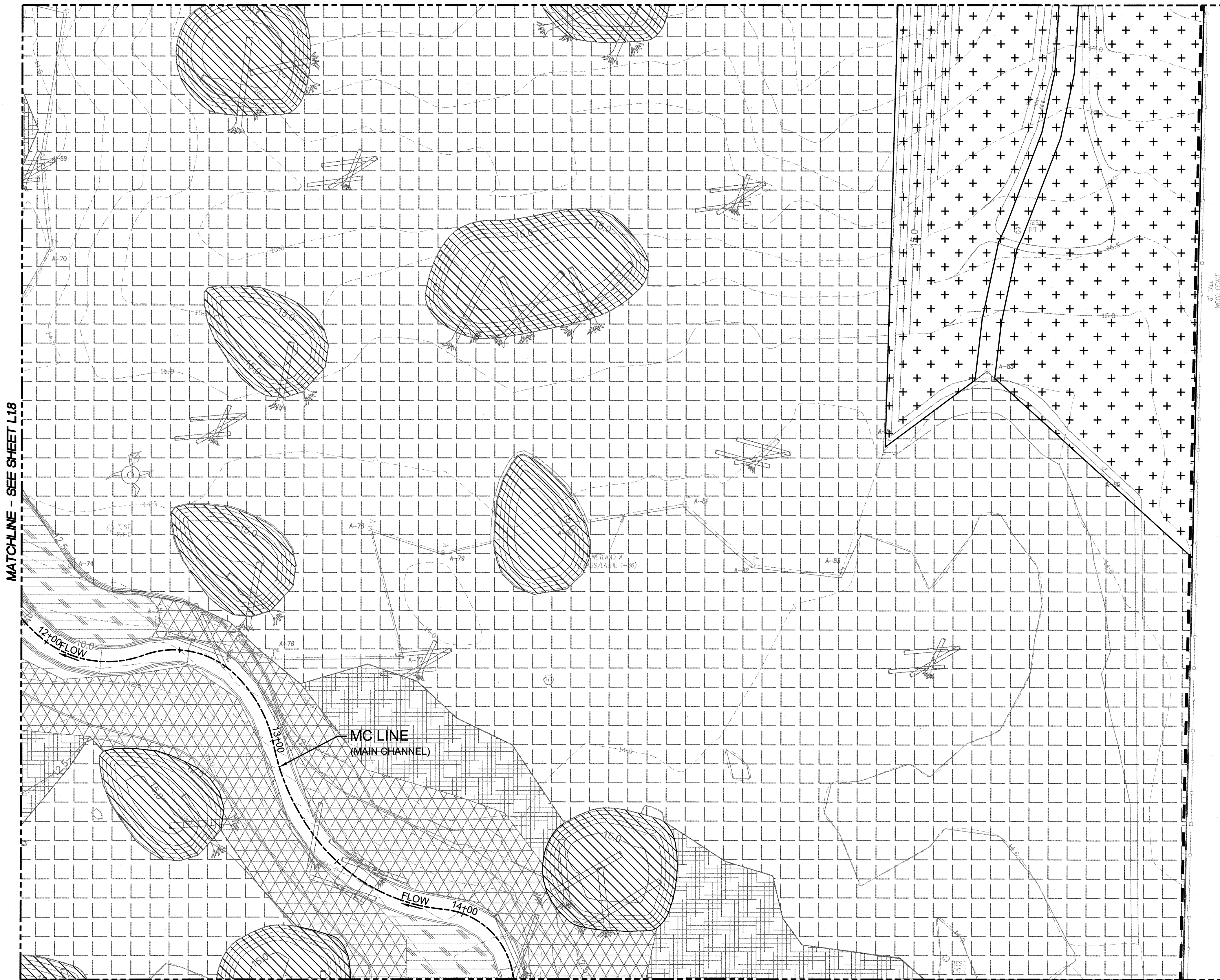
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MARK: REVISION: BY: APPR: DATE:

UCCMS

PLANT MAINTENANCE AND REPLACEMENT

MATCHLINE - SEE SHEET L16



MATCHLINE - SEE SHEET L112

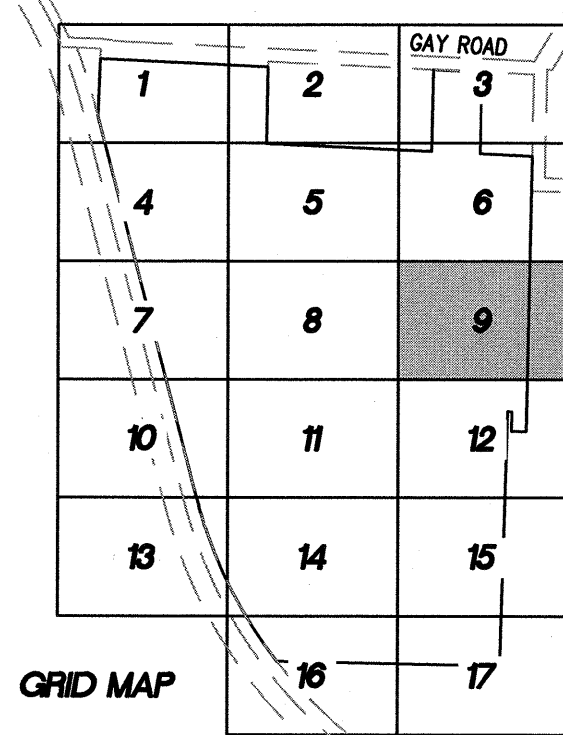
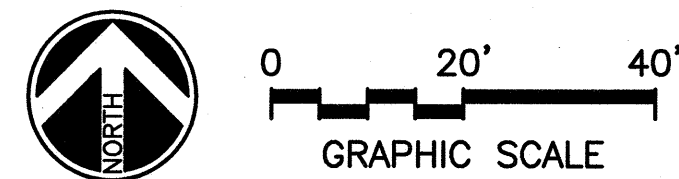
- ### LANDSCAPE PLANTING LEGEND
- PROJECT LIMIT LINE (PLANT MAINT. & REPLACEMENT WORK AREA)
 - 6+00 CENTERLINE & STATIONING AT NEW STREAM CHANNEL
 - FLOW WATER FLOW DIRECTION
 - 18.0 FINAL DESIGN CONTOURS (NOTE: SEE EXHIBIT B-1 FOR AS-BUILT CONTOURS)
 - 17.5
 - 16.0 PRE-EXISTING TOPOGRAPHY CONTOURS
 - 15.5

- ### PLANTING ZONES LEGEND
- FOREST BUFFER
 - FOREST WETLAND FLOODPLAIN
 - FOREST HUMMOCKS
 - SCRUB-SHRUB WETLAND FLOODPLAIN (TRANSITION)
 - 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.

PARCEL NO. 0320132073



EP 6574

L1.9

SH 11 OF 22

PLANT MAINTENANCE AND REPLACEMENT

LANDSCAPE PLANTING - GRID 9

UCCMS

LANDSCAPE PLANTING - GRID 9

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'

APPROVED:

CHECKED BY: DATE

PROJ. ENGR: DATE

PRINTED BY: DATE

PORT ADDRESS: ONE SITCUM PLAZA

TACOMA, WA 98401-1837

BRUCE DEES & ASSOCIATES

36069

REGISTERED PROFESSIONAL ENGINEER

10/18/2017

Port of Tacoma

HERRERA

DATE:

APPR:

BY:

REVISION:

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