US Army Corps
of Engineers ®
Seattle District

PL 84-99 LEVEE REHABILITATION DYKSTRA, GREEN RIVER

AUBURN, WASHINGTON

DRAWING INDEX

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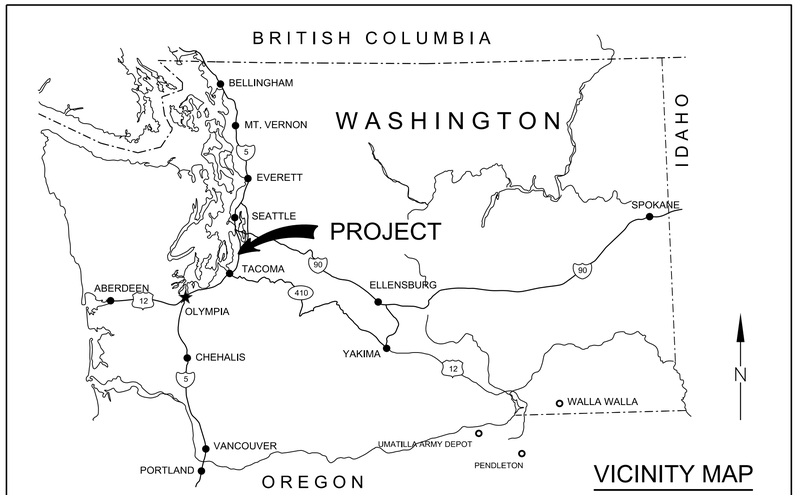
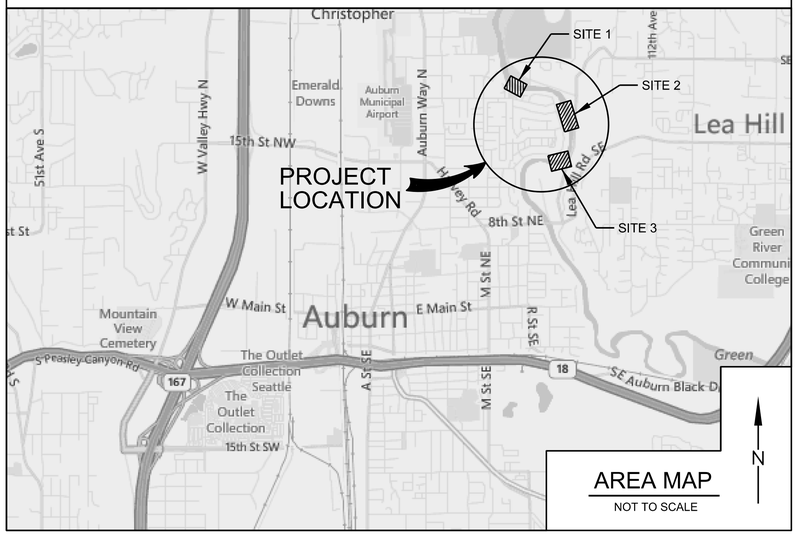


VICINITY MAP
NOT TO SCALE



AREA MAP
NOT TO SCALE

FY15 GRN-01-14

IF SHEET MEASURES LESS THAN 22" X 34" IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY.

US Army Corps of Engineers ®
Seattle District

File No.: E-12-7-236
Date: 17 APRIL 2014

GUY L. GREEN, P.E. — Chief, Design Branch — Date
JOANN T. WALLS, P.E. — Chief, Engineering Division — Date

Submitted by: LEAH WICKSTROM, P.E. — Project Manager — Date
Reviewed by: ANIL L. NISARGAND, P.E. — Specs and Tech Review — Date

U.S. ARMY CORPS OF ENGINEERS
SEATTLE DISTRICT
SEATTLE, WASHINGTON

Prepared by: JENNIFER L. WEST, P.E. — Chief, Civil Section — Date

PL 84-99 LEVEE REHABILITATION, DYKSTRA
TUKWILA, WASHINGTON

TITLE, LOCATION AND DRAWING INDEX

SHEET IDENTIFICATION
G-001
SHEET 1 OF 19

DESIGN FILE: I:\AEC\Designs\FY15_PN448194_GRDK\Con_Docs\CAD_Sheets\General\PN448192_GRDK-G-001CVR.dgn
DATE AND TIME PLOTTED: 3/9/2016

CIVIL NOTES

LINETYPES

20	EXISTING CONTOURS
20	PROPOSED CONTOURS
	CONSTRUCTION LIMITS

LEGEND

SLOPE ARROWS

EL 21.00 — SPOT ELEVATION

TREE/ TREES

CONSTRUCTION ACCESS/ STAGING

LEVEE FILL

TOP SOIL

2" - 4" QUARRY SPALLS

1" MINUS GRAVEL

CLASS III RIP RAP

3' LIVE WILLOW STAKES

ABBREVIATIONS

CB	CATCH BASIN
CMP	CORRUGATED METAL PIPE
EL	ELEVATION
FH	FIRE HYDRANT
GNV	GENERIC NATIVE VEGETATION
H	HORIZONTAL
MH	MANHOLE
N	NORTH
NAVD	NORTH AMERICAN VERTICAL DATUM
NTS	NOT TO SCALE
OC	ON CENTER
OHW	ORDINARY HIGH WATER
PI	POINT INTERCEPT
POB	POINT OF BEGINNING
POE	POINT OF ENDING
SPEC	SPECIFICATION
STA	STATION
TYP	TYPICAL
V	VERTICAL
WSDOT	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION

DRAFTING

X / C-304

DIRECTION OF VIEW

LETTER INDICATES CIVIL SECTION NUMBER INDICATES ELEV OR DETAIL

PLATE NUMBER WHERE SECTION/DETAIL IS DRAWN

X / C-502

NUMBER INDICATES DETAIL NO.

PLATE NUMBER WHERE DETAIL IS DRAWN

N — NORTH ARROW

0 20 40 — GRAPHIC SCALE (FEET)

SURVEY/DATUM

MAPPING COMPILED FROM FEBRUARY 2006 AERIAL PHOTOS. MAPPING BY 3Di WEST FOR KING COUNTYDNR AND PARKS.

MAP SCALE 1"=100', CONTOUR INTERVAL: 2 FOOT.

HORIZONTAL DATUM: NAD83/91 (HARN) WA STATE PLANE NORTH ZONE (FEET).

VERTICAL DATUM: NAVD 88.

MAP HAS NOT BEEN COMPREHENSIVELY VERIFIED BY FIELD CHECKS.

UTILITIES CONTACT INFORMATION

COMPANY	PHONE
CALL-BEFORE-YOU-DIG	(800) 424-5555
PUGET SOUND ENERGY	(425) 392-6412
CITY OF TUKWILA	(206) 433-0179

LEVEE CONSTRUCTION NOTES

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD BEFORE STARTING WORK AND SHALL IMMEDIATELY NOTIFY THE CORPS OF ENGINEERS OF ANY DISCREPANCIES WITH RESPECT TO THE PLANS.
2. BEFORE EXCAVATION OR TRENCHING, CONTRACTOR SHALL SUBMIT A UTILITY LOCATE REQUEST (CALL BEFORE YOU DIG) THROUGH THE STATE OF WASHINGTON UTILITY NOTIFICATION CENTER IN ACCORDANCE WITH STATE OF WASHINGTON LAW: CHAPTER 19.122 RCW - UNDERGROUND UTILITIES. NO EXCAVATION MAY BEGIN UNTIL THE TIME STATED ON THE LOCATE TICKET. THE ONE-CALL PHONE NUMBER FOR UTILITY LOCATES IS: 1-800-424-5555.
3. ANY DAMAGE TO EXISTING SUBSURFACE OR SURFACE FACILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER.
4. THE HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING UTILITIES AND IMPROVEMENTS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UTILITIES AND IMPROVEMENTS PRIOR TO EXCAVATION TO AVOID DAMAGE. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING AND PRESERVING THE INTEGRITY OF EXISTING SITE UTILITIES DURING CONSTRUCTION.
5. ALL DISTANCES SHOWN ON THE DRAWINGS AND DESCRIBED IN THE SPECIFICATION SHALL BE INTERPRETED TO REFER TO HORIZONTALLY AND VERTICALLY PROJECTED PLANES, UNLESS OTHERWISE NOTED.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULL RESTORATION OF ALL EXISTING FEATURES DISTURBED DURING CONSTRUCTION TO THEIR ORIGINAL CONDITION, UNLESS OTHERWISE INDICATED BY THE CONSTRUCTION DOCUMENTS.
7. CLEARING AND GRUBBING, STAGING AREAS AND CONSRUCTION ACCESS RAMP

   (A) ESTABLISH CONSTRUCTION STAGING AREAS, AS SHOWN ON PLANS.

   (B) INSTALL TEMPORARY EROSION CONTROL MEASURES FOR PHASES OF WORK TO BE CONDUCTED. WORKING AS CONSTRUCTION ADVANCES, CONTINUE TO INSTALL SILT FENCING ALONG FULL LENGTH OF DISTURBED AREAS OF THE PROJECT SITE. INSTALL EROSION CONTROL MEASURES AS NEEDED TO PREVENT THE DISCHARGE OR ACCUMULATION OF SEDIMENT INTO THE RIVER, ADJACENT SWALES, CATCH BASINS AND STORM DRAINS AND OFF-SITE. ACCUMULATION OF SEDIMENT IN ADJACENT SWALES OR STORM DRAINS WILL BE MONITORED DAILY AND CLEANED TO ENSURE CONTINUED SERVICE THROUGHTOUT CONSTRUCTION.

   (C) CLEAR AND GRUB PROJECT SITE. DISPOSE OF VEGETATION AND OTHER UNSUITABLE MATERIALS IN AN APPROVED AND PERMITTED OFF-SITE LOCATION.
8. RESTORATION AND TEMPORARY CONSTRUCTION WORK AREAS

   (A) RESTORE ASPHALT ON ALL DISTURBED AREAS, INCLUDING TEMPORARY CONSTRUCTION ACCESS AND WORK AREAS.

   (B) HYDROSEED ALL DISTURBED SITE AREAS PRIOR TO END OF CONSTRUCTION.

   (C) RESTORE TEMPORARY WORK AREAS TO PRE-CONSTRUCTION CONDITION. REPLACE ANY DAMAGED CURBS, PAINT STRIPES, ETC. IN KIND.

   (D) RESTORE ACCESS ROAD CONDITIONS AND FEATURES (FENCING, GATES, ETC...) TO PRE-CONSTRUCTION CONDITIONS.
9. CONSTRUCTION

   (A) ALL IN-WATER PROJECT WORK SHALL BE COMPLETED DURING THE FISH WINDOW: SEE SPECIFICATION 01 14 00 FOR FISH WINDOW.

   (B) THE LIMITS OF THE STAGING AREA WILL BE DELINEATED IN THE FIELD BEFORE THE START OF CONSTRUCTION. FOLLOWING CONSTRUCTION, CONSTRUCTION MATERIALS WILL BE REMOVED AND ANY DISTURBED BARE SOIL IN ANY UNPAVED PORTION OF THE STAGING AREA WILL BE HYDROSEEDED.

   (C) HEAVY EQUIPMENT WILL OPERATE EITHER FROM THE TOP OF BANK OR FROM A MID-SLOPE BENCH WELL ABOVE THE WATERLINE. THE EXCAVATOR BUCKET WILL ENTER THE WATER ONLY TO EXCAVATE MATERIAL TO ALLOW PLACEMENT OF ROCK AND FOR PLACEMENT OF ROCK.

   (D) ALL GAS AND OIL CONTAINERS FOR SMALL EQUIPMENT SHALL BE SAFELY AND SECURELY STORED IN UTILITY VEHICLES.

   (E) ALL WORK AREAS SHALL BE FENCED OFF WITH TEMPORARY FENCING PRIOR TO START OF CONSTRUCTION. NO GROUND DISTURBANCE OR OTHER CONSTRUCTION ACTIVITY SHALL TAKE PLACE OUTSIDE OF FENCING.

   (F) NO NATURALLY OCCURRING MATERIAL (LOGS, STUMPS, OR BRANCHES) SHALL BE REMOVED FROM THE RIVER AT ANY TIME. SHIFTING OF MATERIAL AS NEEDED FOR CONSTRUCTION SHALL BE APPROVED BY THE COR.

   (G) SEE SPECIFICATION 01 57 20 WATER QUALITY STANDARDS FOR TURBIDITY SAMPLING REQUIREMENTS.
10. EROSION CONTROL AND VEGETATION

    (A) VEGETATION TO BE PRESERVED AND CLEARING LIMITS WILL BE FLAGGED IN THE FIELD PRIOR TO THE START OF CONSTRUCTION BY THE PROJECT ENGINEER OR THE PROJECT ECOLOGIST.

    (B) EROSION CONTROL HYDROSEED MIX WILL BE USED TO ESTABLISH INITIAL GROUND COVER ON ALL DISTURBED AREAS, USING WASHINGTON STATE DEPARTMENT OF TRANSPORTATION HYDROSEED MIX.

NOT ALL UTILITIES ARE SHOWN ON THE PLANS, CALL 2 WORKING DAYS BEFORE YOU DIG 1-800-424-5555

US Army Corps of Engineers®
SEATTLE DISTRICT

MARK	DESCRIPTION	DATE	APPR

MARK	DESCRIPTION	DATE	APPR

U.S. ARMY CORPS OF ENGINEERS
SEATTLE DISTRICT
SEATTLE, WASHINGTON

DESIGNED BY: PEELE | DWN BY: PEELE | CKD BY: KATO | SUBMITTED BY: WICKSTROM | PLOT DATE: 3/9/2016 | PLOT TIME: 9:07:05 AM | SIZE: ANSI D | FILE NAME: PN448194_GRDK_C-001 | DATE: 17 APRIL 2015 | FILE NUMBER: E-12-7-236

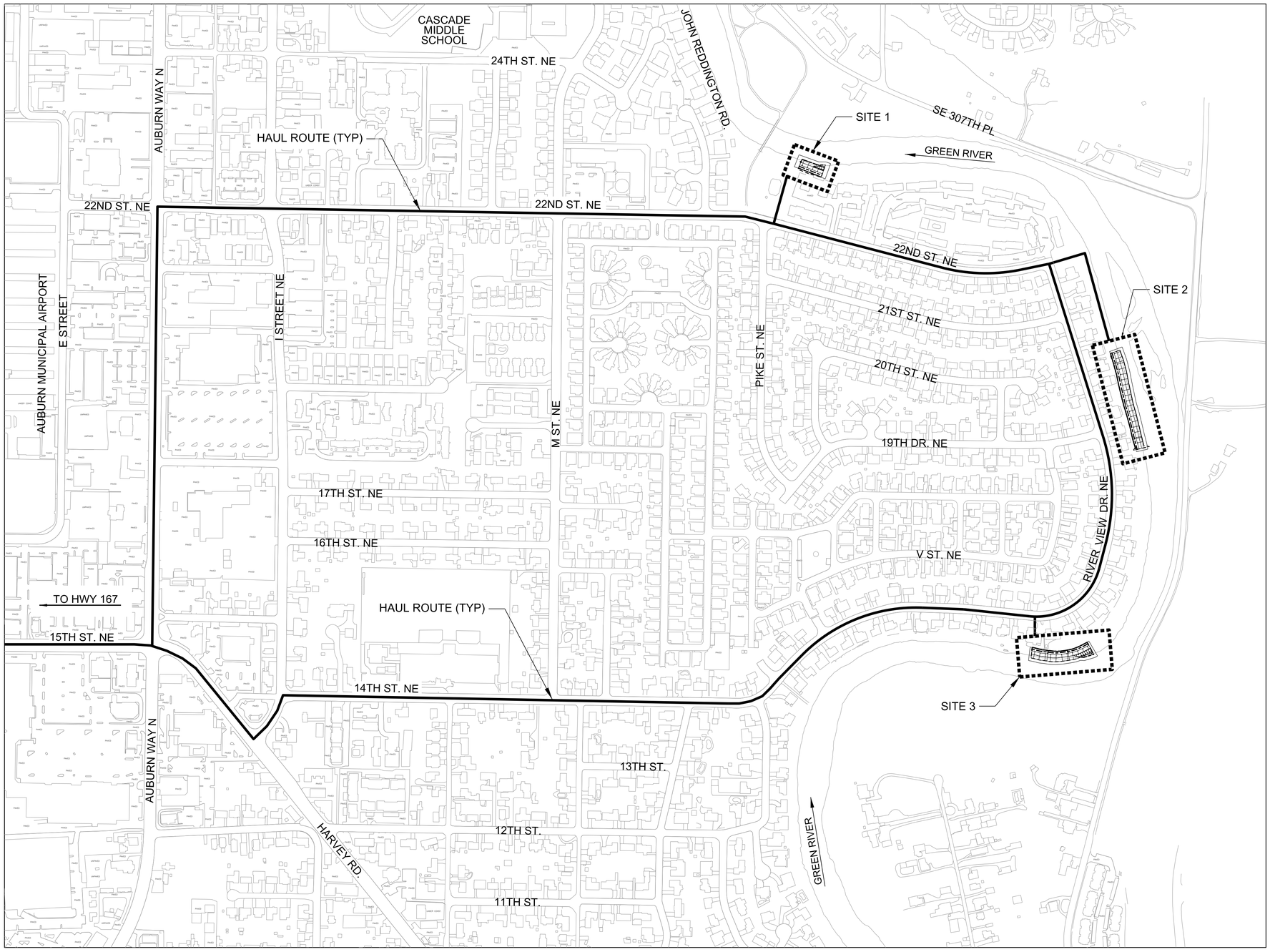
FY15 GREEN RIVER LEVEE REHABILITATION
DYKSTRA LEVEE
AUBURN, WA

LEGEND, ABBREVIATIONS AND GENERAL NOTES

SHEET IDENTIFICATION
C-001

DESIGN FILE: I:\AECDesigns\FY15_PN448194_GRDK\Con_Docs\CAD_Sheets\Civil\PN448194_GRDK_C-001 LEGEND.dgn

DATE AND TIME PLOTTED: 3/9/2016



N

1 HAUL ROUTE

SCALE: 1" = 300'

0 300' 600'

NOTES:

1. FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES, SEE SHEET C-001.

2. MAPPING COMPILED FROM FEBRUARY 2006 AERIAL PHOTOS. MAPPING BY 3DI WEST FOR KING COUNTY DNR AND PARKS. MAP SCALE 1"=100', CONTOUR INTERVAL: 2 FOOT. HORIZONTAL DATUM: NAD83/91 (HARN) WA STATE PLANE NORTH ZONE (FEET). VERTICAL DATUM: NAVD 88. MAP HAS NOT BEEN COMPREHENSIVELY VERIFIED BY FIELD CHECKS.

3. ALL REAL ESTATE REQUIREMENTS AND UTILITY RELOCATIONS NECESSARY FOR PROJECT CONSTRUCTION SHALL BE OBTAINED/PERFORMED BY KING COUNTY FLOOD CONTROL DISTRICT PRIOR TO CONSTRUCTION.

US Army Corps of Engineers
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MARK	DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

U.S. ARMY CORPS OF ENGINEERS
SEATTLE DISTRICT
SEATTLE, WASHINGTON

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DWN BY: PEELE
SUBMITTED BY: WICKSTROM
PLOT DATE: 4/7/2016
SIZE: ANSI D
DATE: 17 APRIL 2015
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PLOT TIME: 8:07:31 AM
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FILE NUMBER: EL2-2-206

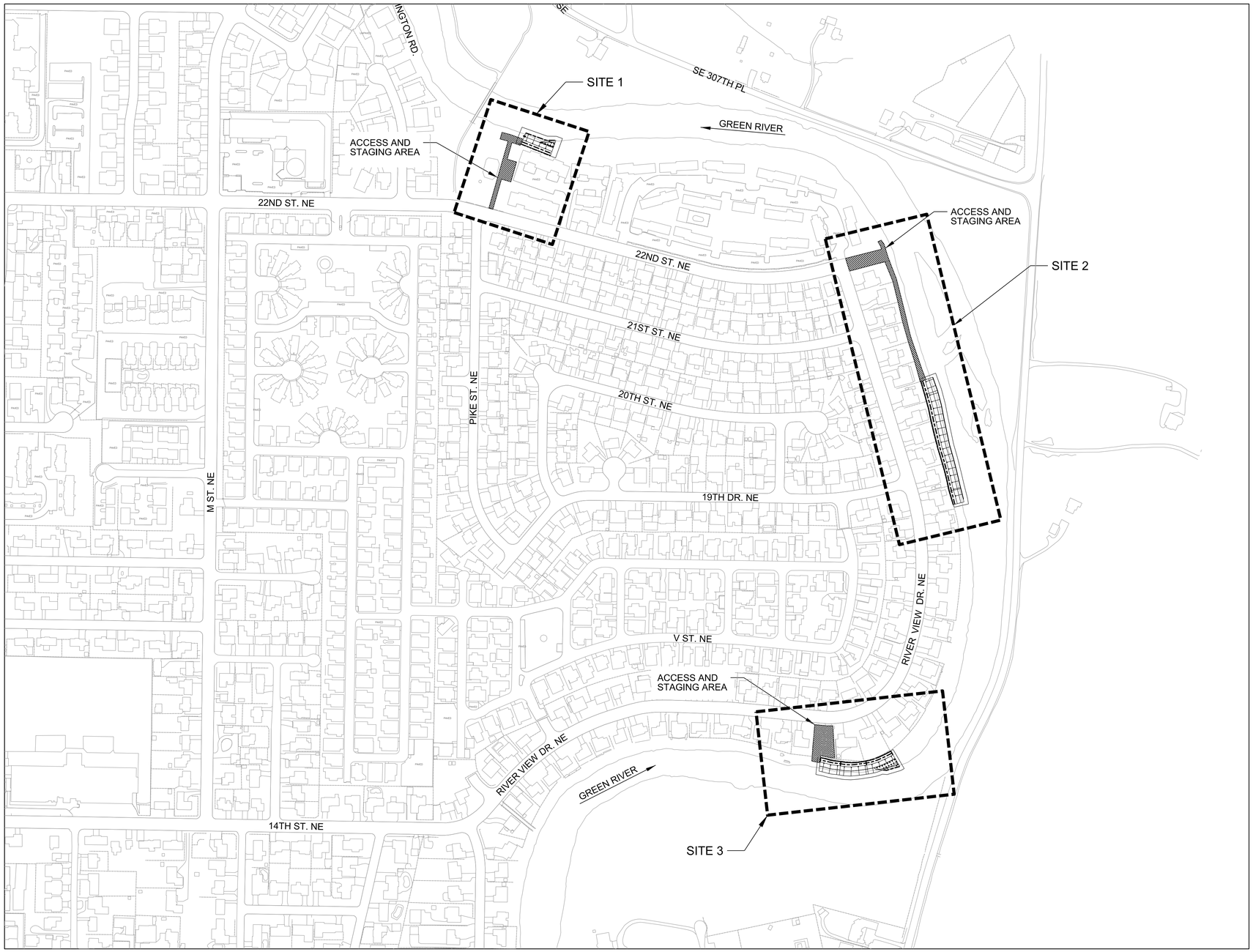
FY15 GREEN RIVER LEVEE REHABILITATION
DYKSTRA LEVEE
AUBURN, WA

HAUL ROUTE

SHEET IDENTIFICATION
C-002
SHEET 3 OF 19

DESIGN FILE: I:\AEC\Designs\FY15_PN448194_GRDK\Con_Docs\CAD_Sheets\Civil\PN448194_GRDK_C-002 HAUL ROUTE.dgn

DATE AND TIME PLOTTED: 3/9/2016



N

1 GENERAL SITE PLAN

SCALE: 1" = 200'

0 200' 400'

NOTES:

1. FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES, SEE SHEET C-001.

2. MAPPING COMPILED FROM FEBRUARY 2006 AERIAL PHOTOS. MAPPING BY 3Di WEST FOR KING COUNTY DNR AND PARKS. MAP SCALE 1"=100', CONTOUR INTERVAL: 2 FOOT. HORIZONTAL DATUM: NAD83/91 (HARN) WA STATE PLANE NORTH ZONE (FEET). VERTICAL DATUM: NAVD 88. MAP HAS NOT BEEN COMPREHENSIVELY VERIFIED BY FIELD CHECKS.

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SEATTLE, WASHINGTON

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DATE: 17 APRIL 2015
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PLOT TIME: 8:07:44 AM
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FILE NUMBER: E-52-2626

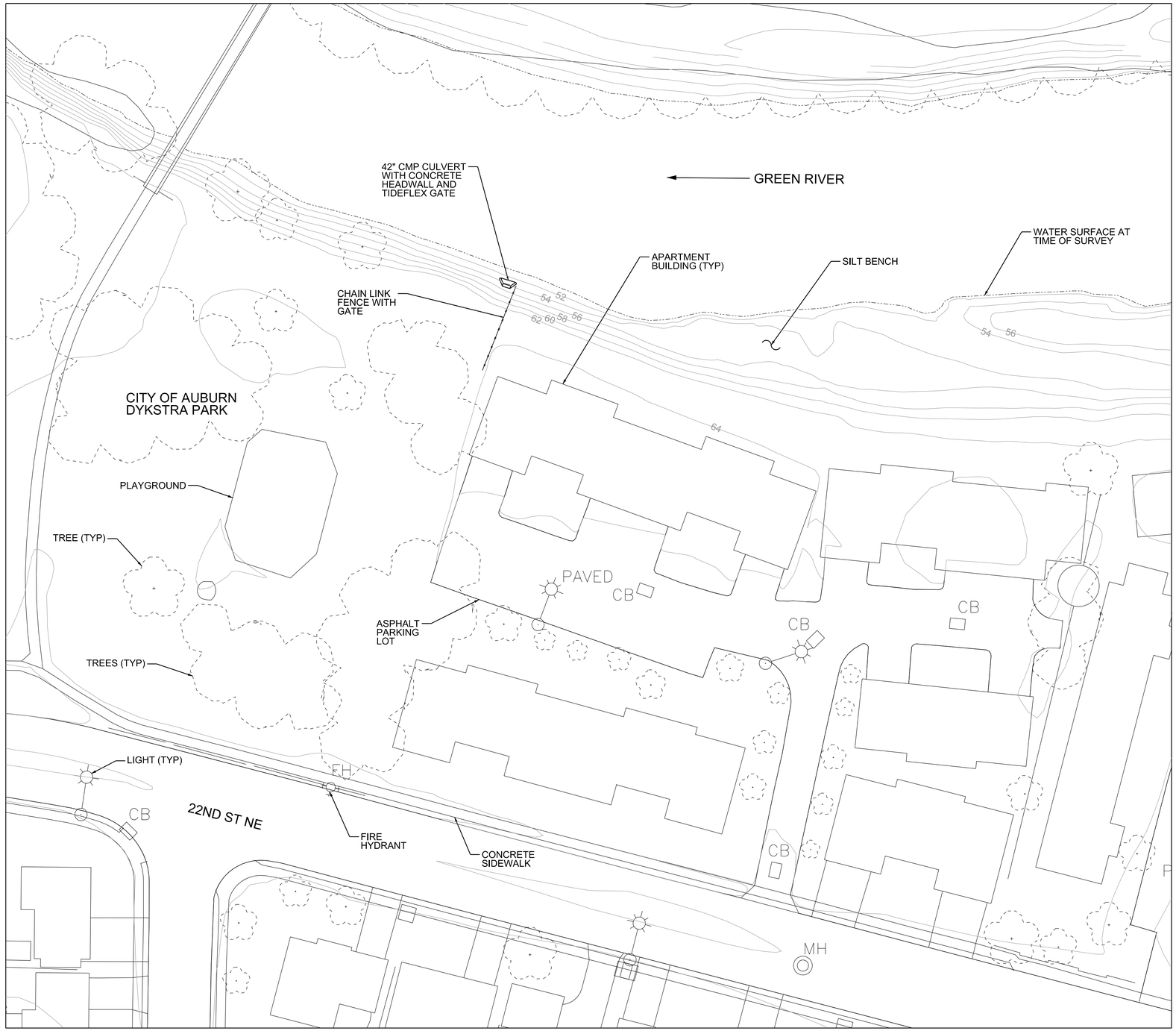
FY15 GREEN RIVER LEVEE REHABILITATION
DYKSTRA LEVEE
AUBURN, WA

GENERAL SITE PLAN

SHEET IDENTIFICATION
C-003
SHEET 4 OF 19

DESIGN FILE: I:\AEC\Designs\FY15_PN448194_GRDK\Con_Docs\CAD_Sheets\Civil\PN448194_GRDK_C-003 GENERAL PLAN.dgn

DATE AND TIME PLOTTED: 3/9/2016



N

1 DYKSTRA LEVEE EXISTING CONDITIONS SITE 1

SCALE: 1" = 30'

0 30' 60'

NOTES:

1. FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES, SEE SHEET C-001.

2. MAPPING COMPILED FROM FEBRUARY 2006 AERIAL PHOTOS. MAPPING BY 3Di WEST FOR KING COUNTY DNR AND PARKS. MAP SCALE 1"=100', CONTOUR INTERVAL: 2 FOOT. HORIZONTAL DATUM: NAD83/91 (HARN) WA STATE PLANE NORTH ZONE (FEET). VERTICAL DATUM: NAVD 88. MAP HAS NOT BEEN COMPREHENSIVELY VERIFIED BY FIELD CHECKS.

3. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES, TREES, BUILDINGS, AND PAVEMENT. ALL DAMAGE SHALL BE REPLACED BY CONTRACTOR AT CONTRACTOR'S EXPENSE.

HISTORICAL RIVER FLOW DATA:

FLOWS (CFS)	JUNE	JULY	AUG	SEPT
MINIMUM FLOW	560	250	250	250
MAXIMUM FLOW	3600	1500	600	2100
MEAN FLOW	1200	480	320	570

WATER SURFACE ELEVATION (FEET NAVD 88)	SITE 1	SITE 2	SITE 3
SUMMER LOW	47.7'	53'	53.3'
SUMMER AVERAGE (600 CFS)	49'	54'	54'
2000 CFS	51.1'	55'	56'

FLOW DATA BASED ON USGS GAGE 12113000
GREEN RIVER NEAR AUBURN, WA

US Army Corps of Engineers
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SEATTLE, WASHINGTON

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DATE: 17 APRIL 2015
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PLOT TIME: 8:07:17 AM
FILE NAME: PN448194_GRDK_C-101
FILE NUMBER: E-24-206

FY15 GREEN RIVER LEVEE REHABILITATION
DYKSTRA LEVEE
AUBURN, WA

EXISTING CONDITIONS
SITE 1

SHEET IDENTIFICATION
C-101
SHEET 5 OF 19

DESIGN FILE: I:\AEC\Designs\FY15_PN448194_GRDK\Con_Docs\CAD_Sheets\Civil\PN448194_GRDK_C-101 EXISTING 1.dgn

DATE AND TIME PLOTTED: 3/9/2016

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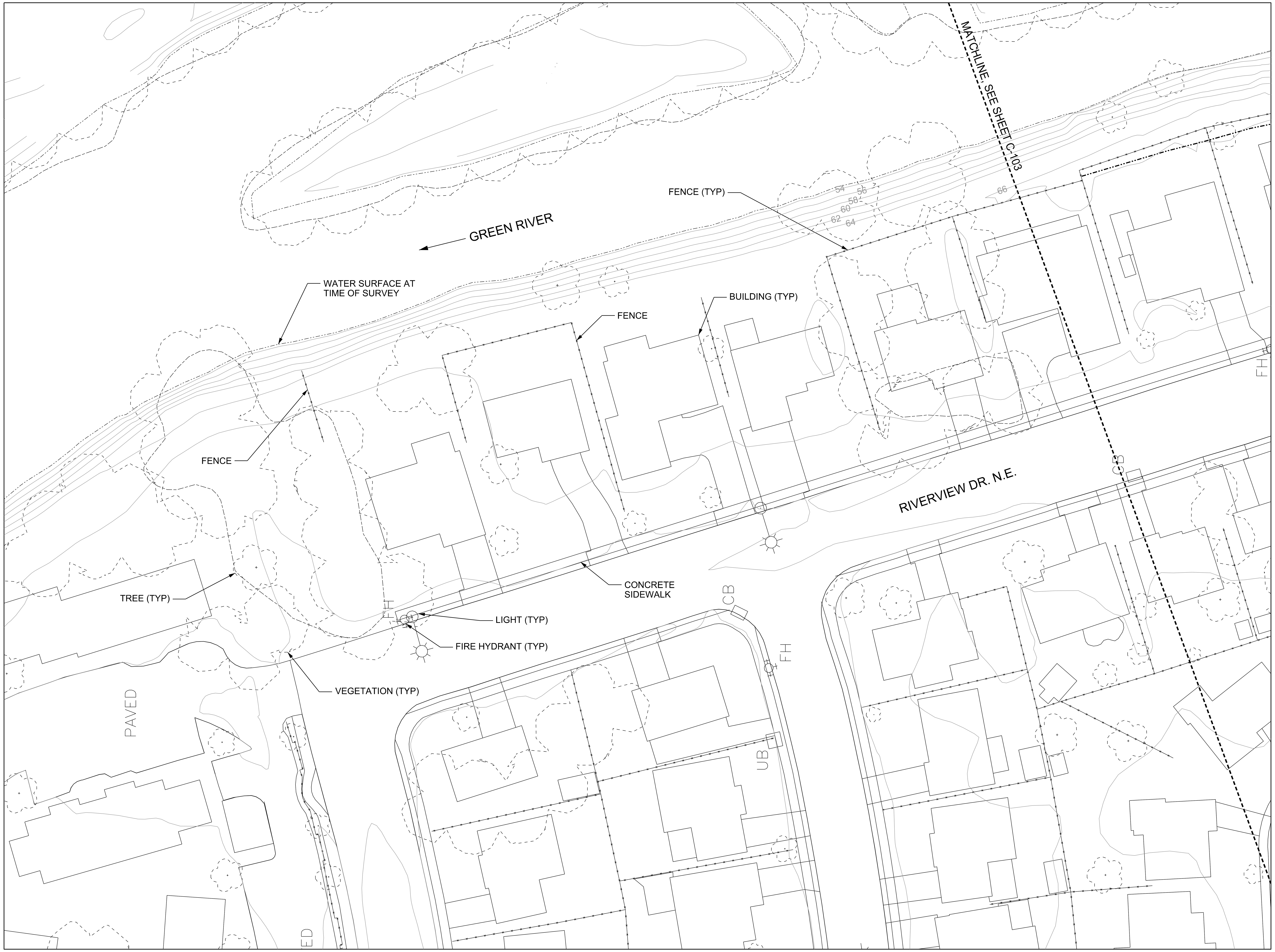

NOTES:

1. FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES, SEE SHEET C-001.

2. MAPPING COMPILED FROM FEBRUARY 2006 AERIAL PHOTOS. MAPPING BY 3Di WEST FOR KING COUNTY DNR AND PARKS. MAP SCALE 1"=100', CONTOUR INTERVAL: 2 FOOT. HORIZONTAL DATUM: NAD83/91 (HARN) WA STATE PLANE NORTH ZONE (FEET). VERTICAL DATUM: NAVD 88. MAP HAS NOT BEEN COMPREHENSIVELY VERIFIED BY FIELD CHECKS.

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N

1 DYKSTRA LEVEE EXISTING CONDITIONS SITE 2(A)

SCALE: 1" = 30'

0 30' 60'

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SEATTLE DISTRICT
SEATTLE, WASHINGTON

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DWN BY: PEELE	CKD BY: KATO		
SUBMITTED BY: WICKSTROM			
PLOT DATE: 3/9/2016	PLOT TIME: 9:07:49 AM		FILE NUMBER: E-12-7-236
SIZE: ANSI D	FILE NAME: PN448194_GDRK_C-102		

FY15 GREEN RIVER LEVEE REHABILITATION
DYKSTRA LEVEE
AUBURN, WA

EXISTING CONDITIONS
SITE 2(A)

SHEET IDENTIFICATION
C-102
SHEET 6 OF 19

DESIGN FILE: I:\AECDesigns\FY15_PN448194_GRDK\Con_Docs\CAD_Sheets\Civil\PN448194_GRDK_C-102 EXISTING 2(A).dgn

DATE AND TIME PLOTTED: 3/9/2016

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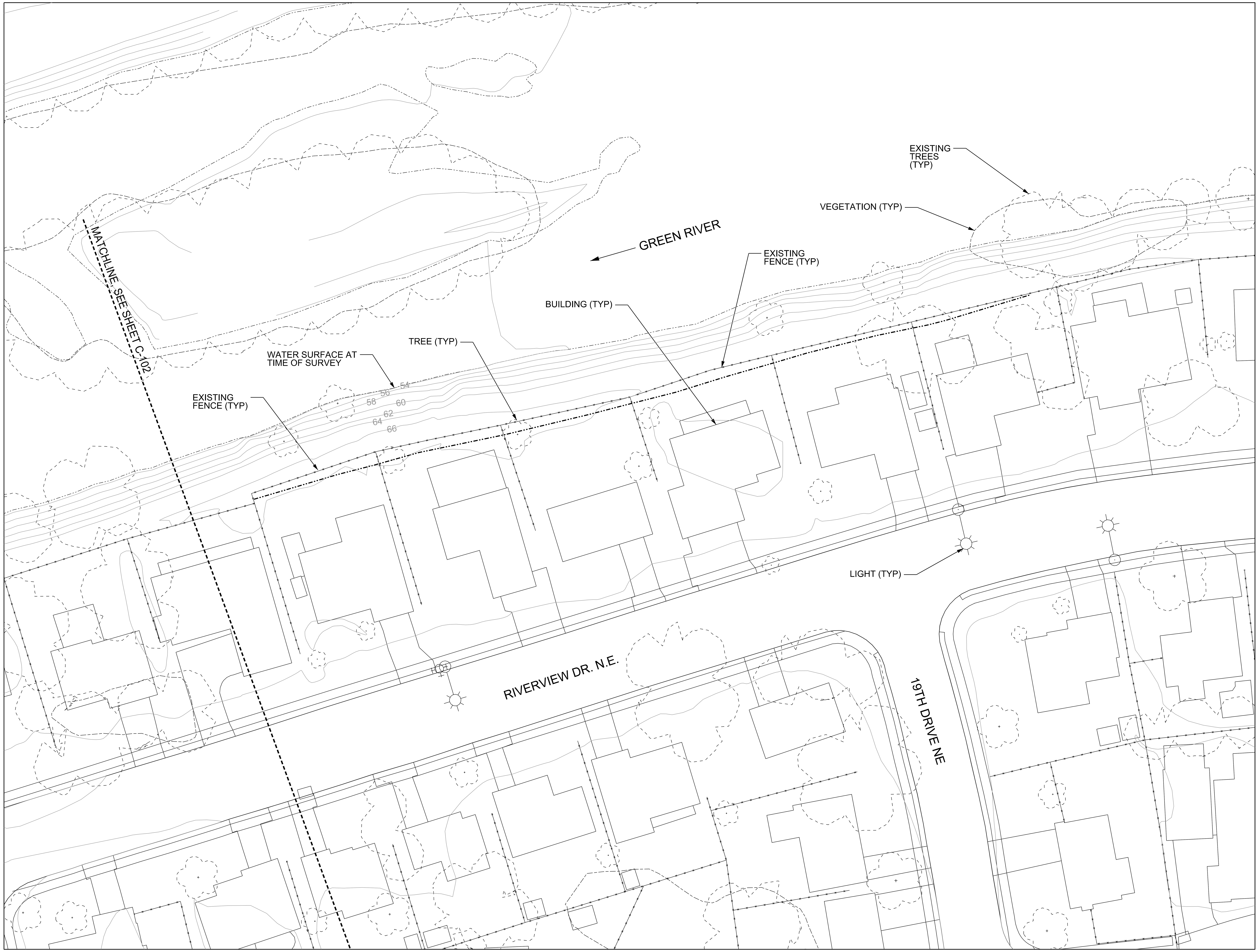

1 DYKSTRA LEVEE EXISTING CONDITIONS SITE 2(B)

SCALE: 1" = 30'

0 30' 60'

NOTES:

1. FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES, SEE SHEET C-001.

2. MAPPING COMPILED FROM FEBRUARY 2006 AERIAL PHOTOS. MAPPING BY 3Di WEST FOR KING COUNTY DNR AND PARKS. MAP SCALE 1"=100', CONTOUR INTERVAL: 2 FOOT. HORIZONTAL DATUM: NAD83/91 (HARN) WA STATE PLANE NORTH ZONE (FEET). VERTICAL DATUM: NAVD 88. MAP HAS NOT BEEN COMPREHENSIVELY VERIFIED BY FIELD CHECKS.

3. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES, TREES, BUILDINGS, AND PAVEMENT. ALL DAMAGE SHALL BE REPLACED BY CONTRACTOR AT CONTRACTOR'S EXPENSE.

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SUBMITTED BY: WICKSTROM
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PLOT DATE: 3/9/2016
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FILE NAME: PN448194_GDRK_C-103

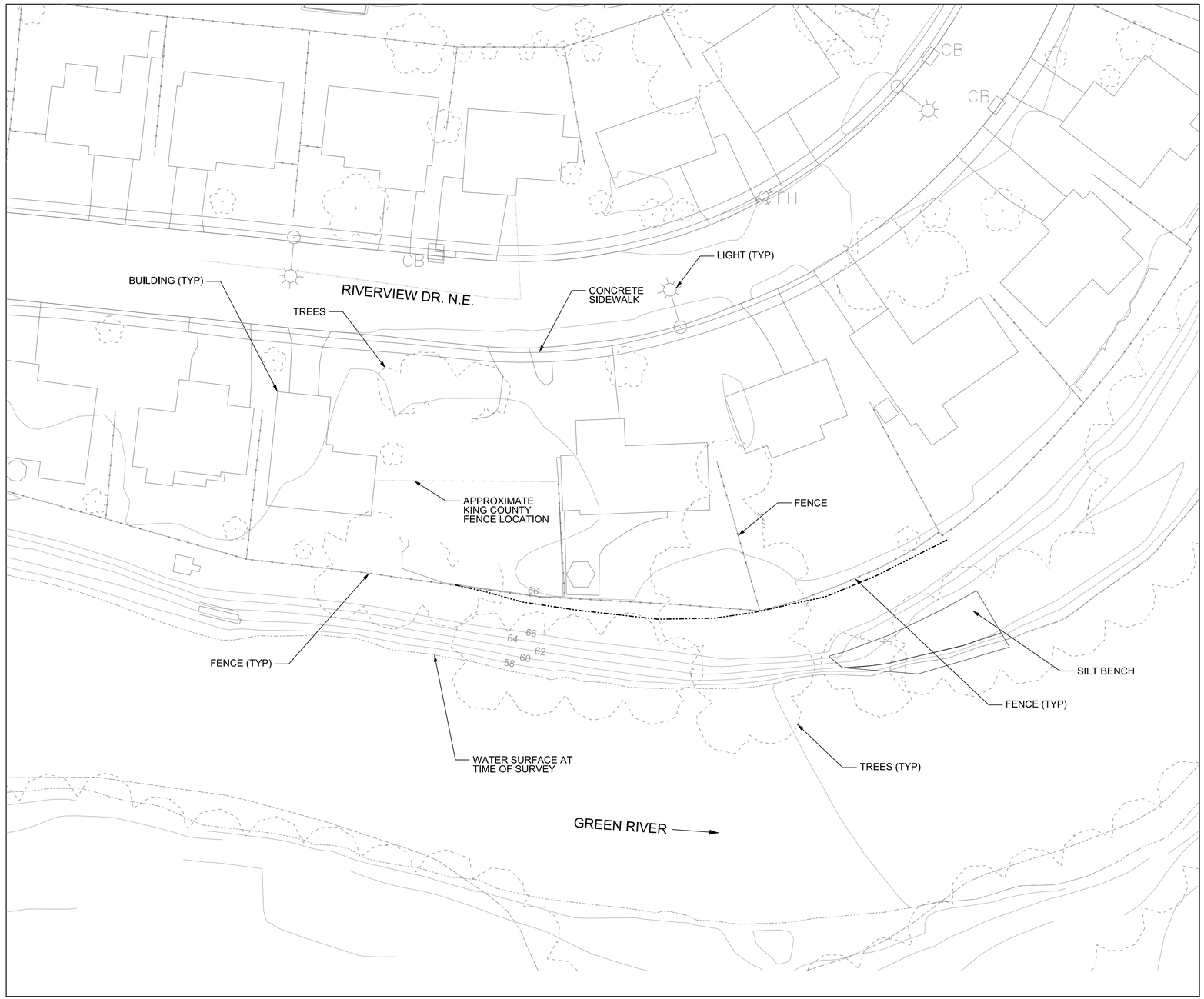
FY15 GREEN RIVER LEVEE REHABILITATION
DYKSTRA LEVEE
AUBURN, WA

EXISTING CONDITIONS SITE 2(B)

SHEET IDENTIFICATION
C-103
SHEET 7 OF 19

DESIGN FILE: I:\AECDesigns\FY15_PN448194_GRDK\Con_Docs\CAD_Sheets\Civil\PN448194_GRDK_C-103 EXISTING 2(B).dgn

DATE AND TIME PLOTTED: 3/9/2016



N

1 DYKSTRA LEVEE EXISTING CONDITIONS SITE 3

SCALE: 1" = 30'

0 30' 60'

NOTES:

1. FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES, SEE SHEET C-001.

2. MAPPING COMPILED FROM FEBRUARY 2006 AERIAL PHOTOS, MAPPING BY 3Di WEST FOR KING COUNTY DNR AND PARKS. MAP SCALE 1"=100', CONTOUR INTERVAL: 2 FOOT. HORIZONTAL DATUM: NAD83/91 (HARN) WA STATE PLANE NORTH ZONE (FEET). VERTICAL DATUM: NAVD 88. MAP HAS NOT BEEN COMPREHENSIVELY VERIFIED BY FIELD CHECKS.

3. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES, TREES, BUILDINGS, AND PAVEMENT. ALL DAMAGE SHALL BE REPLACED BY CONTRACTOR AT CONTRACTOR'S EXPENSE.

US Army Corps of Engineers
SEATTLE DISTRICT

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U.S. ARMY CORPS OF ENGINEERS
SEATTLE DISTRICT
SEATTLE, WASHINGTON

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DWN BY: PEELE
SUBMITTED BY: WICKSTROM
PLOT DATE: 3/9/2016
SIZE: ANSI D
DATE: 17 APRIL 2015
CKD BY: KATO
PLOT TIME: 8:07:07 AM
FILE NAME: PN44819A_GDRK_C-104
FILE NUMBER: E-07-2265

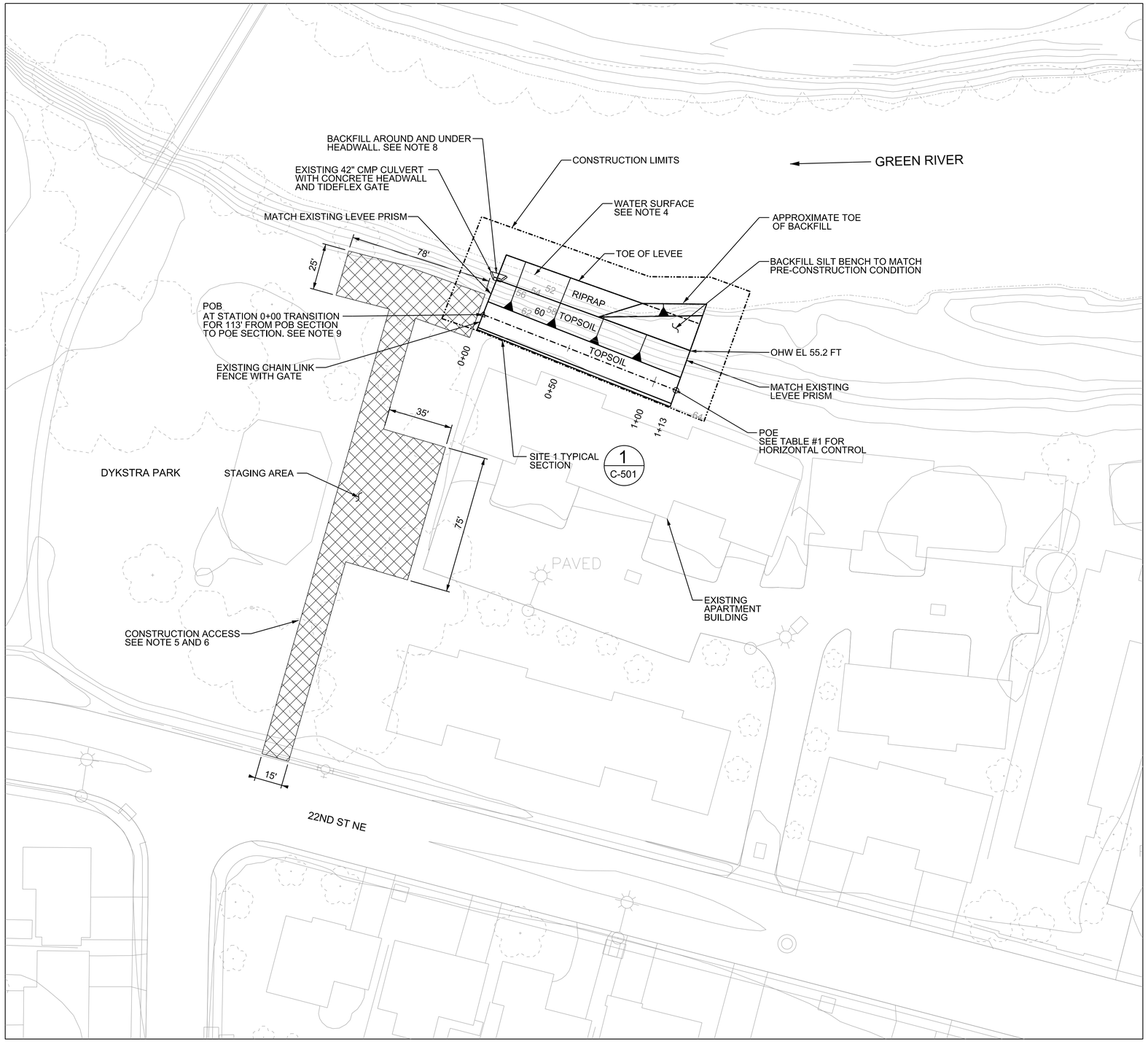
FY15 GREEN RIVER LEVEE REHABILITATION
DYKSTRA LEVEE
AUBURN, WA

EXISTING CONDITIONS
SITE 3

SHEET IDENTIFICATION
C-104
SHEET 8 OF 19

DESIGN FILE: I:\AECDesigns\FY15_PN44819A_GRDK\Con_Docs\CAD_Sheets\Civil\PN44819A_GRDK_C-104 EXISTING 3.dgn

DATE AND TIME PLOTTED: 3/9/2016



N

1 DYKSTRA LEVEE SITE PLAN SITE 1

SCALE: 1" = 30'

0 30' 60'

NOTES:

1. FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES, SEE SHEET C-001.

2. LEVEE TOP ELEVATION AT THE UPSTREAM AND DOWNSTREAM ENDS OF THE PROJECT SHALL MATCH THE EXISTING GRADE ELEVATIONS. A CONTINUOUS SLOPE BETWEEN THE UPSTREAM AND DOWNSTREAM END ELEVATIONS SHALL BE CONSTRUCTED FOR THE FINAL GRADE OF THE LEVEE BASED ON THE CENTERLINE OF THE LEVEE.

3. MAPPING COMPILED FROM FEBRUARY 2006 AERIAL PHOTOS. MAPPING BY 3DI WEST FOR KING COUNTY DNR AND PARKS, MAP SCALE 1"=100', CONTOUR INTERVAL: 2 FOOT. HORIZONTAL DATUM: NAD83/91 (HARN) WA STATE PLANE NORTH ZONE (FEET). VERTICAL DATUM: NAVD 88. MAP HAS NOT BEEN COMPREHENSIVELY VERIFIED BY FIELD CHECKS.

4. TOPOGRAPHY AND CONTOURS NOT SHOWN BELOW WATER SURFACE. DUE TO SURVEY DATA BEING TAKEN FROM LIDAR DATA NO TOPOGRAPHY INFORMATION IS AVAILABLE BELOW THE WATER SURFACE.

5. RESTORE TEMPORARY WORK AREAS TO PRE-CONSTRUCTION CONDITION. REPLACE ANY DAMAGED CURBS, PAINT STRIPES, ETC. IN KIND. RESTORATION SHALL BE COMPLETE PRIOR TO END OF CONSTRUCTION.

6. SHIFT CONSTRUCTION ACCESS TO AVOID DAMAGING OR REMOVING TREES. COORDINATE SHIFTING OF THE CONSTRUCTION ACCESS AND STAGING AREA TO AVOID TREES WITH THE COR. ANY TREES REMOVED SHALL BE REPLACED IN KIND. ANY PRUNING SHALL BE DONE IN A MANNER THAT DOES NOT JEOPARDIZE THE TREE HEALTH OR NATURAL GROWING FORM.

7. RESTORE ACCESS ROAD CONDITIONS AND FEATURES (FENCING, GATES, ETC...) TO PRE-CONSTRUCTION CONDITIONS.

8. BACK FILL UNDER HEADWALL WITH 4"-8" QUARRY SPALLS. FINAL GRADES AROUND HEADWALL TO BE FLUSH WITH EDGES OF HEADWALL. CARE SHOULD BE USED TO AVOID DAMAGING THE HEADWALL AND CULVERT.

9. SEE SHEET C-301 FOR SECTIONS AT POB AND POE.

10. STORM WATER LINES NOT SHOWN ON DRAWINGS. DO NOT BLOCK STORM WATER LINES. EXTEND ALL STORM WATER LINES THROUGH LEVEE TO NEW LEVEE FACE. SEE SHEET C-502 FOR DETAIL.

11. TRANSITIONS SHALL BE CONTINOUS AND SMOOTH OVER THE LENGTH INDICATED ON THE PLAN.

TABLE 1 - HORIZONTAL CONTROL TABLE

POINT/ TYPE	STATION/ DISTANCE	DIRECTION	NORTHING	EASTING
POB	0+00.00		122,367.290	1,299,106.020
	112.64	S 68°34'35.4" E		
POE	1+12.64		122,326.150	1,299,210.880

US Army Corps of Engineers
SEATTLE DISTRICT

MARK	DESCRIPTION	DATE	APPR.

DESIGN FILE: I:\AECDesigns\FY15_PN448194_GRDK\Con_Docs\CAD_Sheets\Civil\PN448194_GRDK_C-105 SITE 1.dgn

DATE AND TIME PLOTTED: 3/9/2016

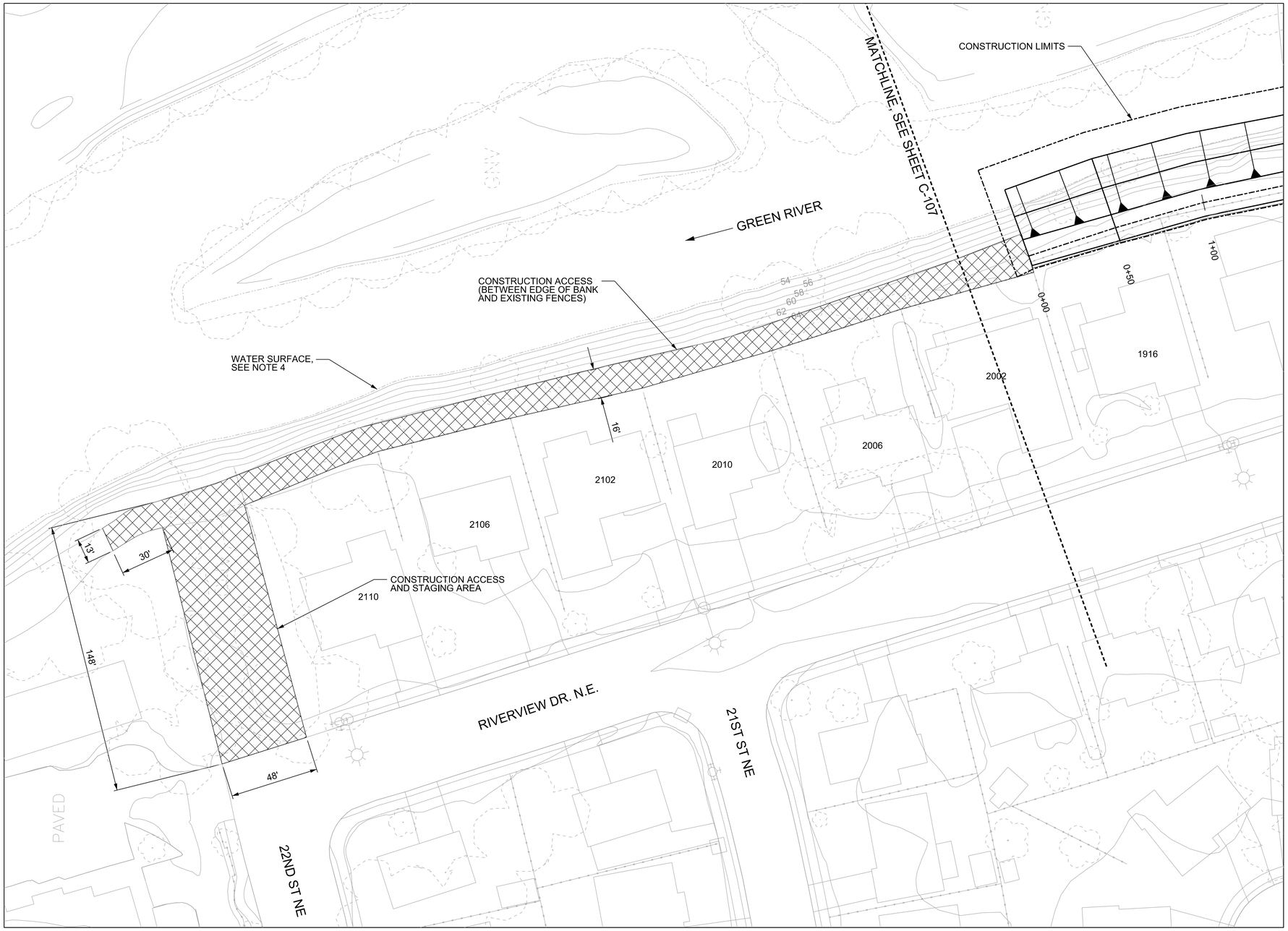
DESIGNED BY: PEELE
DWN BY: PEELE
SUBMITTED BY: WICKSTROM
PLOT DATE: 3/9/2016
SIZE: ANSI D
DATE: 17 APRIL 2015
CKD BY: KATO
PLOT TIME: 8:00:56 AM
FILE NAME: PN448194_GRDK_C-105
FILE NUMBER: E-57-X(20)*

U.S. ARMY CORPS OF ENGINEERS
SEATTLE DISTRICT
SEATTLE, WASHINGTON

FY15 GREEN RIVER LEVEE REHABILITATION
DYKSTRA LEVEE
AUBURN, WA

SITE PLAN
SITE 1

SHEET IDENTIFICATION
C-105
SHEET 9 OF 19



N

1 DYKSTRA LEVEE SITE PLAN SITE 2(A)

SCALE: 1" = 30'

0 30' 60'

NOTES:

1. FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES, SEE SHEET C-001.

2. FOR LEVEE HORIZONTAL CONTROL, SEE SHEET C-106.

3. MAPPING COMPILED FROM FEBRUARY 2006 AERIAL PHOTOS. MAPPING BY 3Di WEST FOR KING COUNTYDNR AND PARKS. MAP SCALE 1"=100', CONTOUR INTERVAL: 2 FOOT. HORIZONTAL DATUM: NAD83/91 (HARN) WA STATE PLANE NORTH ZONE (FEET). VERTICAL DATUM: NAVD 88. MAP HAS NOT BEEN COMPREHENSIVELY VERIFIED BY FIELD CHECKS.

4. LEVEE TOP ELEVATION AT THE UPSTREAM AND DOWNSTREAM ENDS OF THE PROJECT SHALL MATCH THE EXISTING GRADE ELEVATIONS. A CONTINUOUS SLOPE BETWEEN THE UPSTREAM AND DOWNSTREAM END ELEVATIONS SHALL BE CONSTRUCTED FOR THE FINAL GRADE OF THE LEVEE BASED ON THE CENTERLINE OF THE LEVEE.

5. TOPOGRAPHY AND CONTOURS NOT SHOWN BELOW WATER SURFACE. DUE TO SURVEY DATA BEING TAKEN FROM LIDAR DATA NO TOPOGRAPHY INFORMATION IS AVAILABLE BELOW THE WATER SURFACE.

6. RESTORE TEMPORARY WORK AREAS TO PRE-CONSTRUCTION CONDITION. REPLACE ANY DAMAGED CURBS, PAINT STRIPES, ETC. IN KIND. RESTORATION SHALL BE COMPLETE PRIOR TO END OF CONSTRUCTION.

7. SHIFT CONSTRUCTION ACCESS TO AVOID DAMAGING OR REMOVING TREES. COORDINATE SHIFTING OF THE CONSTRUCTION ACCESS AND STAGING AREA TO AVOID TREES WITH THE COR. ANY TREES REMOVED SHALL BE REPLACED IN KIND. ANY PRUNING SHALL BE DONE IN A MANNER THAT DOES NOT JEOPARDIZE THE TREE HEALTH OR NATURAL GROWING FORM.

8. SEE SHEET C-302 FOR SECTIONS AT POB AND POE.

9. STORM WATER LINES NOT SHOWN ON DRAWINGS. DO NOT BLOCK STORM WATER LINES. EXTEND ALL STORM WATER LINES THROUGH LEVEE TO NEW LEVEE FACE. SEE SHEET C-502 FOR DETAIL.

US Army Corps of Engineers
SEATTLE DISTRICT

MARK	DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

U.S. ARMY CORPS OF ENGINEERS
SEATTLE DISTRICT
SEATTLE, WASHINGTON

DESIGNED BY: PEELE
DWN BY: PEELE
SUBMITTED BY: WICKSTROM
PLOT DATE: 9/7/2016
SIZE: ANSI D
DATE: 17 APRIL 2015
CKD BY: KATO
PLOT TIME: 8:07:37 AM
FILE NAME: PN448194_GRDK_C-106
FILE NUMBER: E12-F-206

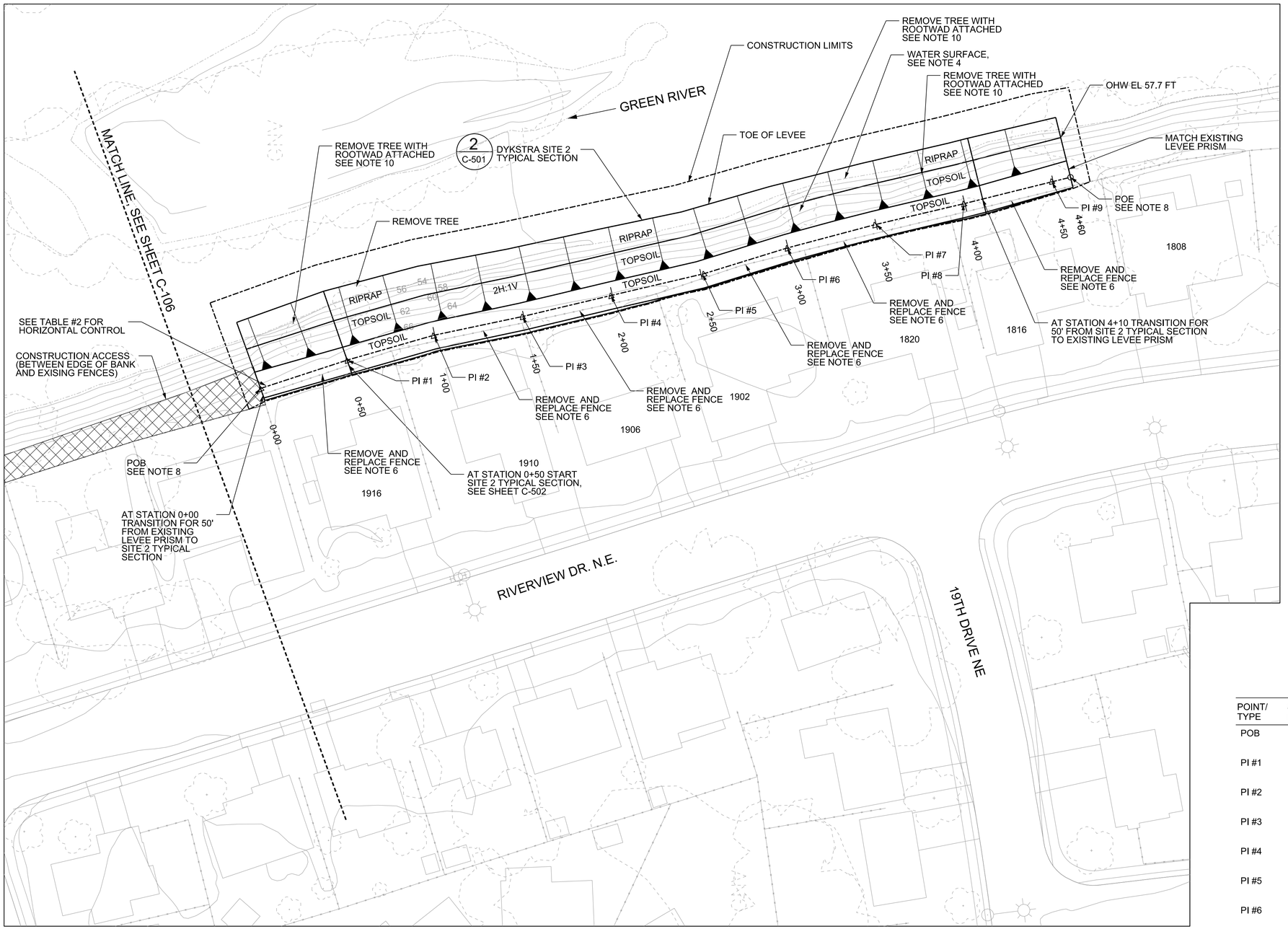
FY15 GREEN RIVER LEVEE REHABILITATION
DYKSTRA LEVEE
AUBURN, WA

SITE PLAN
SITE 2(A)

SHEET IDENTIFICATION
C-106
SHEET 10 OF 19

DESIGN FILE: I:\AECDesigns\FY15_PN448194_GRDK\Con_Docs\CAD_Sheets\Civil\PN448194_GRDK_C-106 SITE 2(A).dgn

DATE AND TIME PLOTTED: 3/9/2016



N

1 DYKSTRA LEVEE SITE PLAN SITE 2(B)

SCALE: 1" = 30'

0 30' 60'

NOTES:

1. FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES, SEE SHEET C-001.

2. MAPPING COMPILED FROM FEBRUARY 2006 AERIAL PHOTOS. MAPPING BY 3Di WEST FOR KING COUNTYDNR AND PARKS. MAP SCALE 1"=100', CONTOUR INTERVAL: 2 FOOT. HORIZONTAL DATUM: NAD83/91 (HARN) WA STATE PLANE NORTH ZONE (FEET). VERTICAL DATUM: NAVD 88. MAP HAS NOT BEEN COMPREHENSIVELY VERIFIED BY FIELD CHECKS.

3. LEVEE TOP ELEVATION AT THE UPSTREAM AND DOWNSTREAM ENDS OF THE PROJECT SHALL MATCH THE EXISTING GRADE ELEVATIONS. A CONTINUOUS SLOPE BETWEEN THE UPSTREAM AND DOWNSTREAM END ELEVATIONS SHALL BE CONSTRUCTED FOR THE FINAL GRADE OF THE LEVEE BASED ON THE CENTERLINE OF THE LEVEE.

4. TOPOGRAPHY AND CONTOURS NOT SHOWN BELOW WATER SURFACE. DUE TO SURVEY DATA BEING TAKEN FROM LIDAR DATA NO TOPOGRAPHY INFORMATION IS AVAILABLE BELOW THE WATER SURFACE.

5. RESTORE TEMPORARY WORK AREAS TO PRE-CONSTRUCTION CONDITION. REPLACE ANY DAMAGED CURBS, PAINT STRIPES, ETC. IN KIND. RESTORATION SHALL BE COMPLETE PRIOR TO END OF CONSTRUCTION.

6. FENCES TO BE REMOVED AND REPLACED IN KIND. NEW FENCE SHALL BE LOCATED AT THE LANDWARD TOE OF THE LEVEE. FENCE SHALL MAKE A SMOOTH TRANSITION TO EXISTING FENCES IN THE TRANSITION ZONES.

7. SHIFT CONSTRUCTION ACCESS TO AVOID DAMAGING OR REMOVING TREES. COORDINATE SHIFTING OF THE CONSTRUCTION ACCESS AND STAGING AREA TO AVOID TREES WITH THE COR. ANY TREES REMOVED SHALL BE REPLACED IN KIND. ANY PRUNING SHALL BE DONE IN A MANNER THAT DOES NOT JEOPARDIZE THE TREE HEALTH OR NATURAL GROWING FORM.

8. SEE SHEET C-302 FOR SECTIONS AT POB AND POE.

9. STORM WATER LINES NOT SHOWN ON DRAWINGS. DO NOT BLOCK STORM WATER LINES. EXTEND ALL STORM WATER LINES THROUGH LEVEE TO NEW LEVEE FACE. SEE SHEET C-502 FOR DETAIL.

10. TREES TO BE LIMBED AND CUT TO 20' LENGTH PLUS THE ROOTWAD. TREES TO BE PLACED ON SILT BENCH AT SITE 3.

11. TRANSITIONS SHALL BE CONTINOUS AND SMOOTH OVER THE LENGTH INDICATED ON THE PLAN.

TABLE #2 - HORIZONTAL CONTROL TABLE

POINT/ TYPE	STATION/ DISTANCE	DIRECTION	NORTHING	EASTING
POB	0+00.00		121,506.160	1,300,549.550
	49.98	S 18°05'51" E		
PI #1	0+49.98		121,458.650	1,300,565.080
	49.27	S 16°00'07" E		
PI #2	0+99.25		121,411.290	1,300,578.660
	49.94	S 11°56'13" E		
PI #3	1+49.19		121,362.430	1,300,588.990
	49.95	S 13°23'41" E		
PI #4	1+99.14		121,313.840	1,300,600.560
	52.41	S 13°10'50" E		
PI #5	2+51.55		121,262.810	1,300,612.510
	47.89	S 17°10'30" E		
PI #6	2+99.44		121,217.060	1,300,626.650
	49.81	S 14°50'30" E		
PI #7	3+49.25		121,168.910	1,300,639.410
	50.12	S 13°17'14" E		
PI #8	3+99.37		121,120.130	1,300,650.930
	49.86	S 14°21'44" E		
PI #9	4+49.23		121,071.820	1,300,663.300
	10.59	S 11°51'16" E		
POE	4+59.82		121,061.460	1,300,665.470

US Army Corps of Engineers
SEATTLE DISTRICT

MARK	DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

DESIGNED BY: PEELE
DWN BY: PEELE
SUBMITTED BY: WICKSTROM
CKD BY: KATO
PLOT DATE: 3/9/2016
SIZE: ANSI D
DATE: 17 APRIL 2015
PLOT TIME: 8:07:00 AM
FILE NAME: PN448194_GRDK_C-107
FILE NUMBER: E-C-1626

U.S. ARMY CORPS OF ENGINEERS
SEATTLE DISTRICT
SEATTLE, WASHINGTON

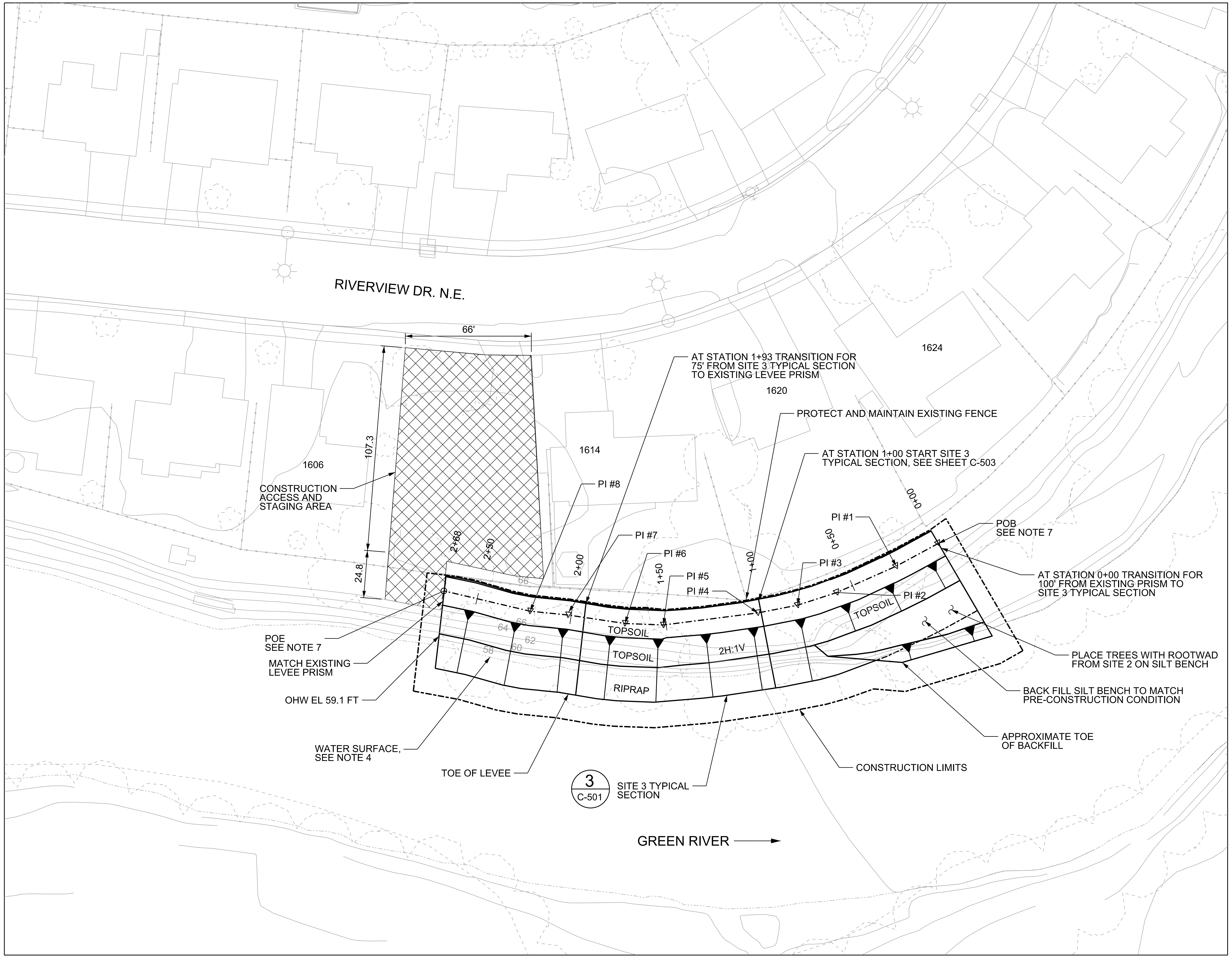
FY15 GREEN RIVER LEVEE REHABILITATION
DYKSTRA LEVEE
AUBURN, WA

SITE PLAN
SITE 2(B)

SHEET IDENTIFICATION
C-107
SHEET 11 OF 19

DESIGN FILE: I:\AEC\Designs\FY15_PN448194_GRDK\Con_Docs\CAD_Sheets\Civil\PN448194_GRDK_C-107 SITE 2(B).dgn

DATE AND TIME PLOTTED: 3/9/2016



N

1 DYKSTRA LEVEE SITE PLAN SITE 3

SCALE: 1" = 30'

0 30' 60'

NOTES:

1. FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES, SEE SHEET C-001.

2. LEVEE TOP ELEVATION AT THE UPSTREAM AND DOWNSTREAM ENDS OF THE PROJECT SHALL MATCH THE EXISTING GRADE ELEVATIONS. A CONTINUOUS SLOPE BETWEEN THE UPSTREAM AND DOWNSTREAM END ELEVATIONS SHALL BE CONSTRUCTED FOR THE FINAL GRADE OF THE LEVEE BASED ON THE CENTERLINE OF THE LEVEE.

3. MAPPING COMPILED FROM FEBRUARY 2006 AERIAL PHOTOS. MAPPING BY 3Di WEST FOR KING COUNTYDNR AND PARKS. MAP SCALE 1"=100', CONTOUR INTERVAL: 2 FOOT. HORIZONTAL DATUM: NAD83/91 (HARN) WA STATE PLANE NORTH ZONE (FEET). VERTICAL DATUM: NAVD 88. MAP HAS NOT BEEN COMPREHENSIVELY VERIFIED BY FIELD CHECKS.

4. TOPOGRAPHY AND CONTOURS NOT SHOWN BELOW WATER SURFACE. DUE TO SURVEY DATA BEING TAKEN FROM LIDAR DATA NO TOPOGRAPHY INFORMATION IS AVAILABLE BELOW THE WATER SURFACE.

5. RESTORE TEMPORARY WORK AREAS TO PRE-CONSTRUCTION CONDITION. REPLACE ANY DAMAGED CURBS, PAINT STRIPES, ETC. IN KIND. RESTORATION SHALL BE COMPLETE PRIOR TO END OF CONSTRUCTION.

6. SHIFT CONSTRUCTION ACCESS TO AVOID DAMAGING OR REMOVING TREES. COORDINATE SHIFTING OF THE CONSTRUCTION ACCESS AND STAGING AREA TO AVOID TREES WITH THE COR. ANY TREES REMOVED SHALL BE REPLACED IN KIND.

7. SEE SHEET C-303 FOR SECTIONS AT POB AND POE.

8. STORM WATER LINES NOT SHOWN ON DRAWINGS. DO NOT BLOCK STORM WATER LINES. EXTEND ALL STORM WATER LINES THROUGH LEVEE TO NEW LEVEE FACE. SEE SHEET C-502 FOR DETAIL.

9. TRANSITIONS SHALL BE CONTINOUS AND SMOOTH OVER THE LENGTH INDICATED ON THE PLAN.

TABLE #3 - HORIZONTAL CONTROL TABLE

POINT/ TYPE	STATION/ DISTANCE	DIRECTION	NORTHING	EASTING
POB	0+00.00 25.01	S 61°33'37" W	120,164.740	1,300,438.810
PI #1	0+25.01 33.93	S 66°07'04" W	120,152.830	1,300,416.810
PI #2	0+58.94 21.54	S 72°06'21" W	120,139.090	1,300,385.790
PI #3	0+80.48 21.16	S 79°00'18" W	120,132.470	1,300,365.290
PI #4	1+01.64 49.81	S 82°41'44" W	120,128.440	1,300,344.520
PI #5	1+51.46 20.06	N 87°43'51" W	120,122.100	1,300,295.110
PI #6	1+71.52 30.01	N 81°33'05" W	120,122.900	1,300,275.060
PI #7	2+01.54 19.98	N 84°16'09" W	120,127.310	1,300,245.370
PI #8	2+21.51 46.35	N 76°44'24" W	120,129.300	1,300,225.490
POE	2+67.86		120,139.930	1,300,180.380

US Army Corps of Engineers®
SEATTLE DISTRICT

MARK | DESCRIPTION | DATE | APPR

DESIGNED BY: PEELE | DATE: 17 APRIL 2015
DWN BY: PEELE | CKD BY: KATO
SUBMITTED BY: WICKSTROM
PLOT DATE: 3/9/2016 | PLOT TIME: 9:08:00 AM | FILE NUMBER: E-12-7-236
SIZE: ANSI D | FILE NAME: PN448194_GRDK_C-108

U.S. ARMY CORPS OF ENGINEERS
SEATTLE DISTRICT
SEATTLE, WASHINGTON

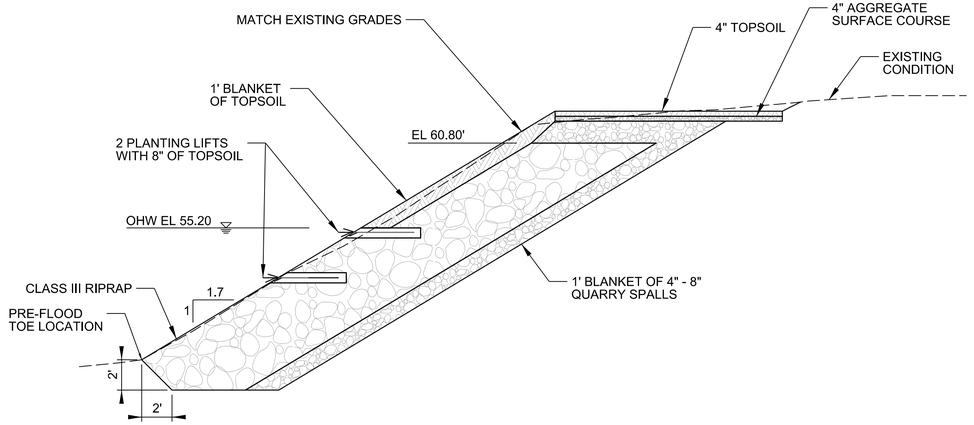
FY15 GREEN RIVER LEVEE REHABILITATION
DYKSTRA LEVEE
AUBURN, WA

SITE PLAN
SITE 3

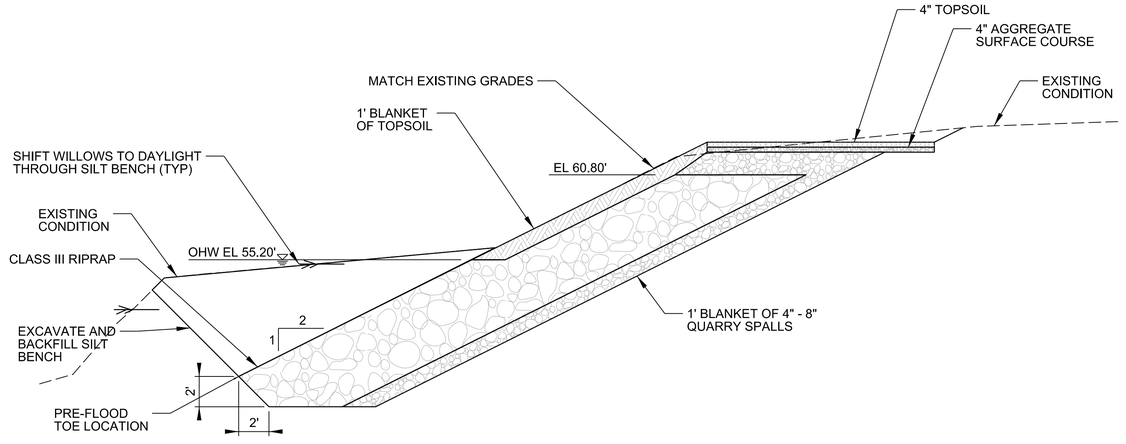
SHEET IDENTIFICATION
C-108
SHEET 12 OF 19

DESIGN FILE: I:\AECDesigns\FY15_PN448194_GRDK\Con_Docs\CAD_Sheets\Civil\PN448194_GRDK_C-108 SITE 3.dgn

DATE AND TIME PLOTTED: 3/9/2016



1 SITE 1 CROSS SECTION AT POB
1" = 5'
0 5' 10'



2 SITE 1 CROSS SECTION AT POE
1" = 5'
0 5' 10'

NOTES:

1. FINAL GRADES AT START AND END OF EACH SITE SHALL MATCH SMOOTHLY WITH EXISTING GRADES.

US Army Corps of Engineers
SEATTLE DISTRICT

MARK	DESCRIPTION	DATE	APPR.

MARK	DESCRIPTION	DATE	APPR.

DESIGNED BY: PEELE
DRWN BY: PEELE
CKD BY:
SUBMITTED BY: WCASTROM
PLOT DATE: 3/9/2016
PLOT TIME: 10:02 AM
SCALE: ANSI D
DATE: 17 APRIL 2015
FILE NUMBER: E2SC228
FILE NAME: PN448194_GRDK_C-301

U.S. ARMY CORPS OF ENGINEERS
SEATTLE DISTRICT
SEATTLE, WASHINGTON

FY15 GREEN RIVER LEVEE REHABILITATION
DYKSTRA LEVEE
AUBURN, WA

CROSS SECTIONS 1

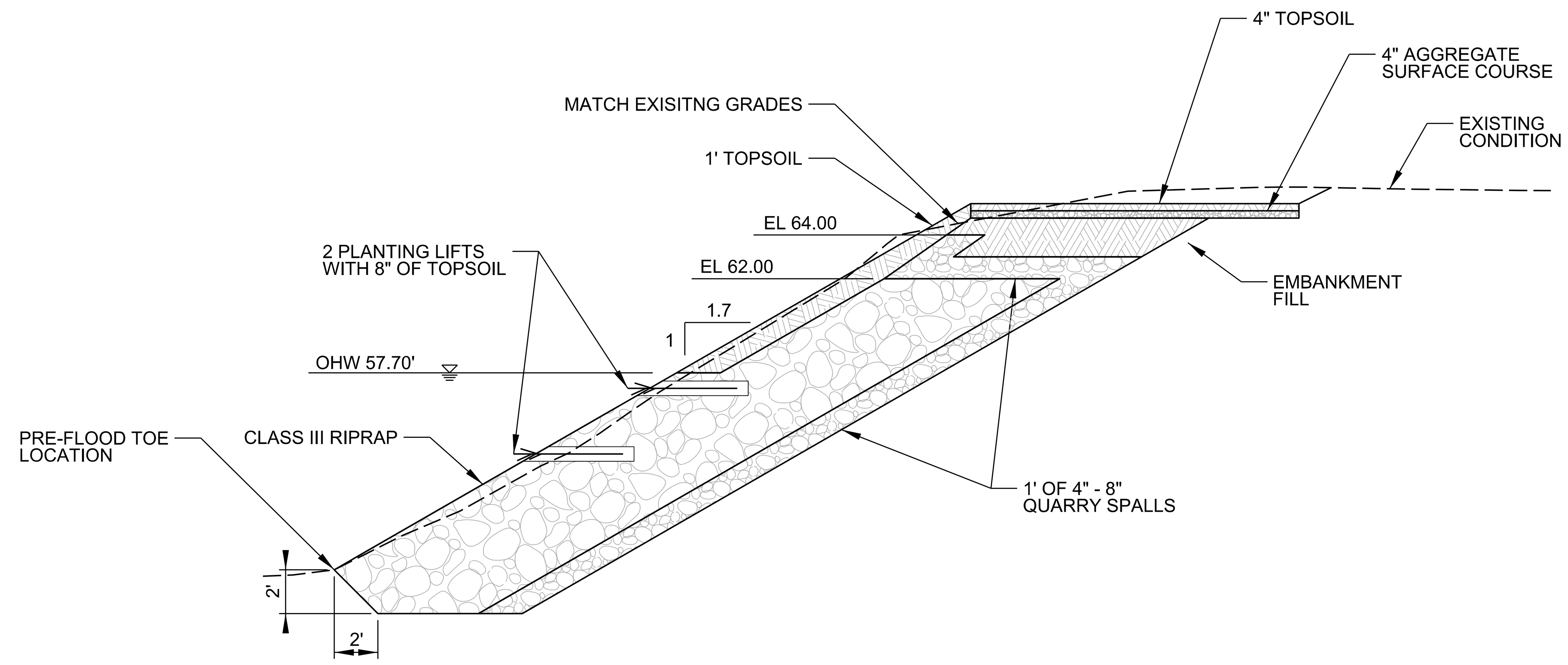
SHEET IDENTIFICATION
C-301
SHEET 13 OF 19

DESIGN FILE: I:\AECDesigns\FY15_PN448194_GRDK\Con_Docs\CAD_Sheets\Civil\PN448194_GRDK_C-301 SITE 1 SECTIONS.dgn

DATE AND TIME PLOTTED: 3/9/2016

NOTES:

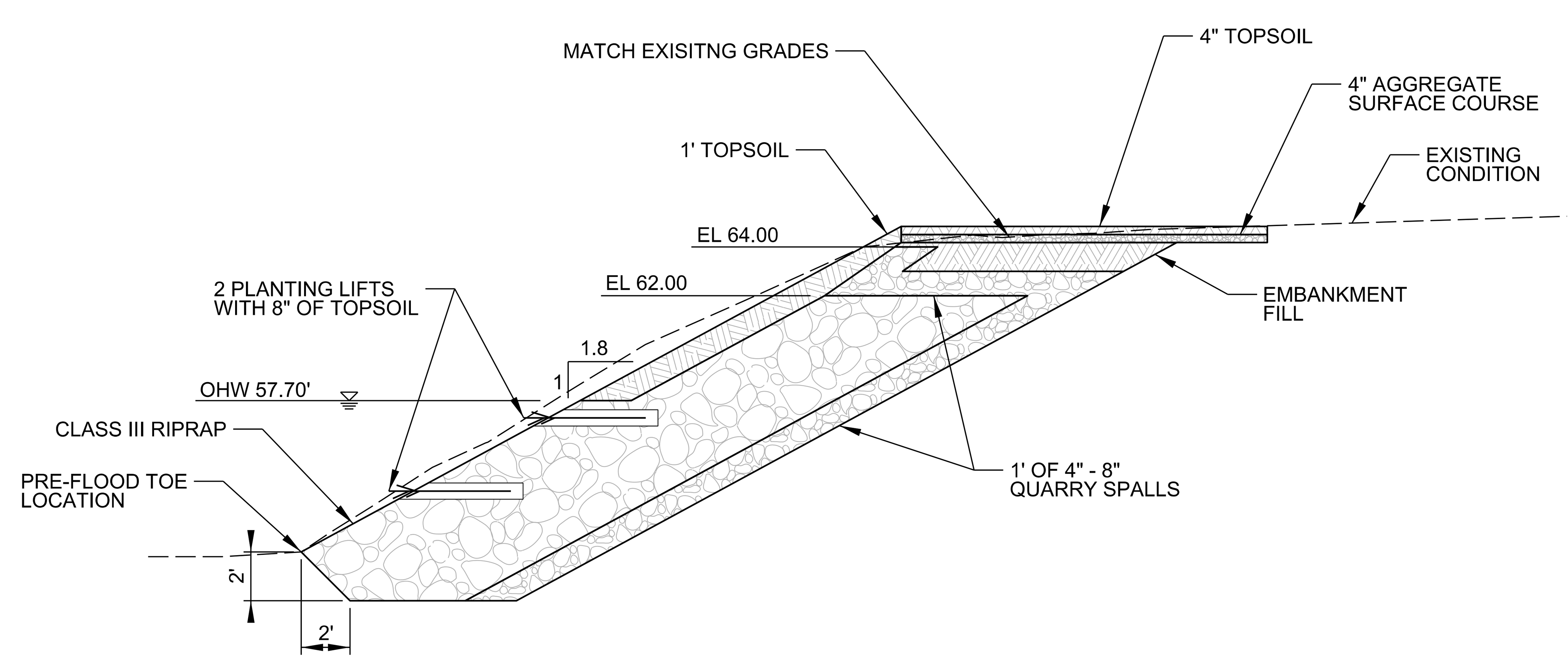
1. FINAL GRADES AT START AND END OF EACH SITE SHALL MATCH SMOOTHLY WITH EXISTING GRADES.



1 SITE 2 CROSS SECTION AT POB

1" = 5'

0 5' 10'



2 SITE 2 CROSS SECTION AT POE

1" = 5'

0 5' 10'

US Army Corps of Engineers®
SEATTLE DISTRICT

MARK	DESCRIPTION	DATE	APPR

MARK	DESCRIPTION	DATE	APPR

U.S. ARMY CORPS OF ENGINEERS
SEATTLE DISTRICT
SEATTLE, WASHINGTON

DESIGNED BY: PEELE
DWN BY: PEELE
CKD BY:
SUBMITTED BY: WICKSTROM
DATE: 17 APRIL 2015
PLOT DATE: 3/9/2016
PLOT TIME: 9:08:06 AM
FILE NUMBER: E-12-7-236
SIZE: ANSI D
FILE NAME: PN448194_GRDK_C-302

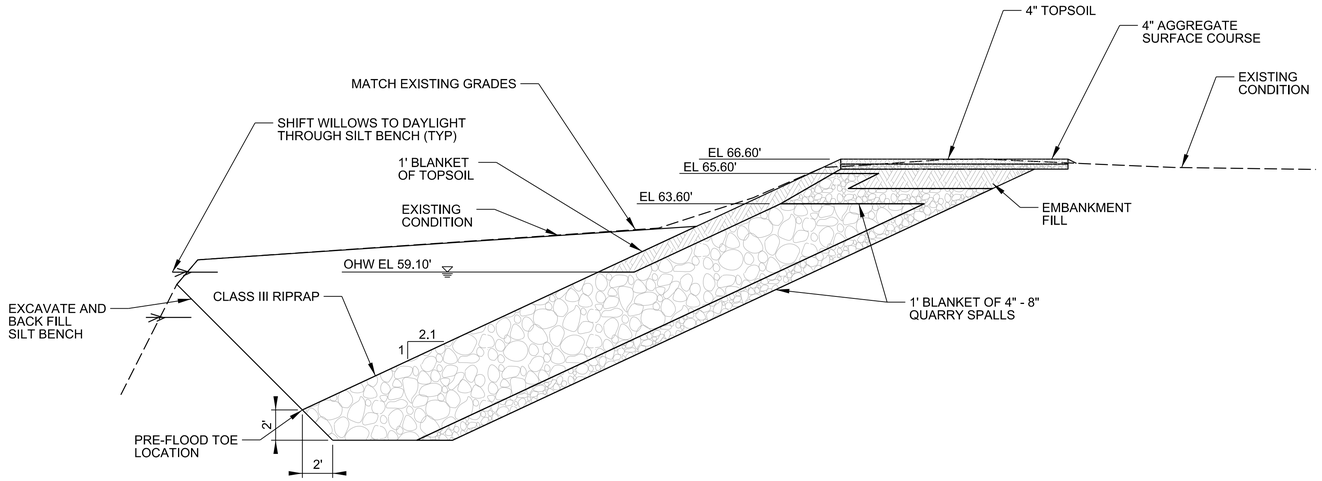
FY15 GREEN RIVER LEVEE REHABILITATION
DYKSTRA LEVEE
AUBURN, WA

CROSS SECTIONS 2

SHEET IDENTIFICATION
C-302
SHEET 14 OF 19

DESIGN FILE: I:\AECDesigns\FY15_PN448194_GRDK\Con_Docs\CAD_Sheets\Civil\PN448194_GRDK_C-302 SITE 2 SECTIONS.dgn

DATE AND TIME PLOTTED: 3/9/2016

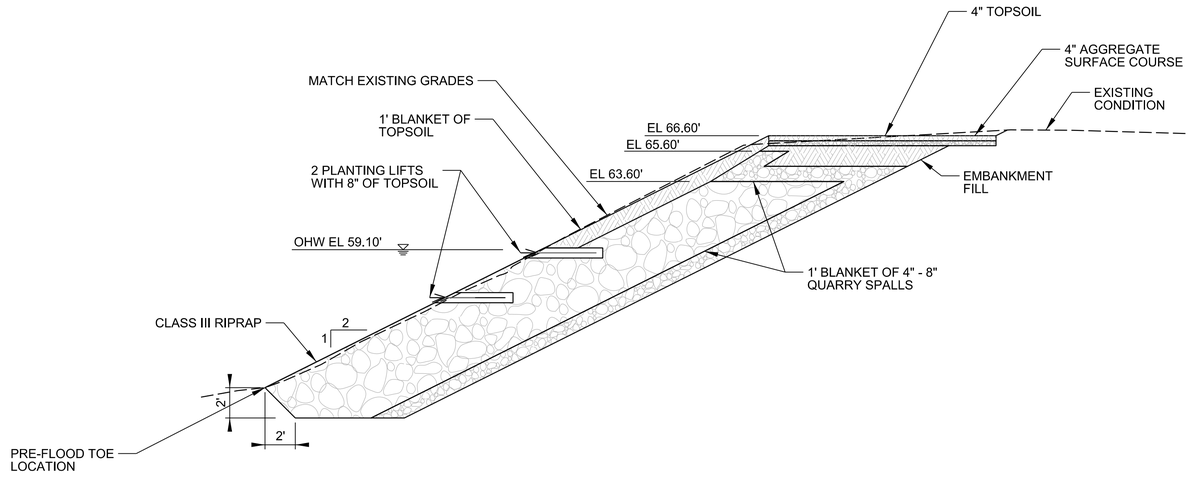


1 SITE 3 CROSS SECTION AT POB

1" = 5' 0 5' 10'

NOTES:

1. FINAL GRADES AT START AND END OF EACH SITE SHALL MATCH SMOOTHLY WITH EXISTING GRADES.



2 SITE 3 CROSS SECTION AT POE

1" = 5' 0 5' 10'

US Army Corps of Engineers
SEATTLE DISTRICT

MARK	DESCRIPTION	DATE	APPR.

MARK	DESCRIPTION	DATE	APPR.

U.S. ARMY CORPS OF ENGINEERS
SEATTLE DISTRICT
SEATTLE, WASHINGTON

DESIGNED BY: PEELE
DWN BY: PEELE
SUBMITTED BY: WICKSTROM
PLOT DATE: 3/9/2016
SIZE: ANSI D
DATE: 17 APRIL 2015
CKD BY:
PLOT TIME: 8:00:00 AM
FILE NAME: PN448494_GRDK_C-303
FILE NUMBER: E-24-206

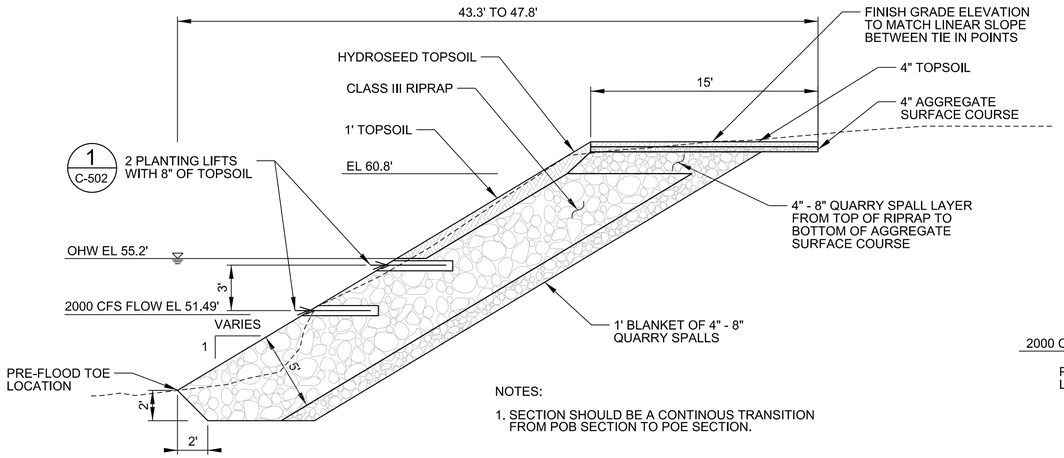
FY15 GREEN RIVER LEVEE REHABILITATION
DYKSTRA LEVEE
AUBURN, WA

CROSS SECTIONS 3

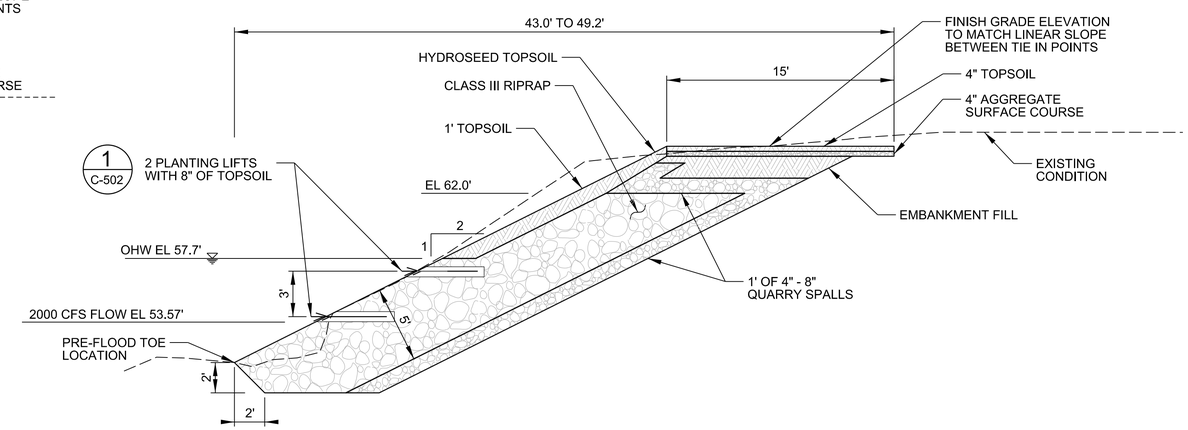
SHEET IDENTIFICATION
C-303
SHEET 15 OF 19

DESIGN FILE: I:\AEC\Designs\FY15_PN448194_GRDK\Con_Docs\CAD_Sheets\Civil\PN448194_GRDK_C-303 SITE 3 SECTIONS.dgn

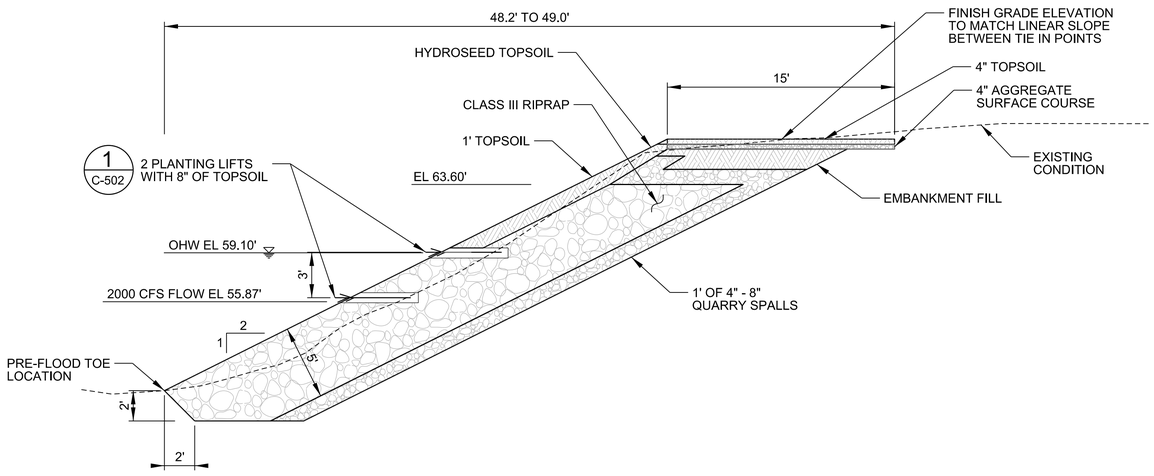
DATE AND TIME PLOTTED: 3/9/2016



1 SITE 1 TYPICAL CROSS SECTION
1" = 5' 0 5' 10'



2 SITE 2 TYPICAL CROSS SECTION
1" = 5' 0 5' 10'



3 SITE 3 TYPICAL CROSS SECTION
1" = 5' 0 5' 10'

US Army Corps of Engineers
SEATTLE DISTRICT

MARK	DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

U.S. ARMY CORPS OF ENGINEERS
SEATTLE DISTRICT
SEATTLE, WASHINGTON

DESIGNED BY: KLEIN
DWN BY: KLEIN
CKD BY:
SUBMITTED BY: WICKSTROM
DATE: 17 APRIL 2015
PLOT DATE: 3/9/2016
PLOT TIME: 8:09:11 AM
SIZE: ANSI D
FILE NUMBER: E-24-206
FILE NAME: PN448194_GRDK_C-501

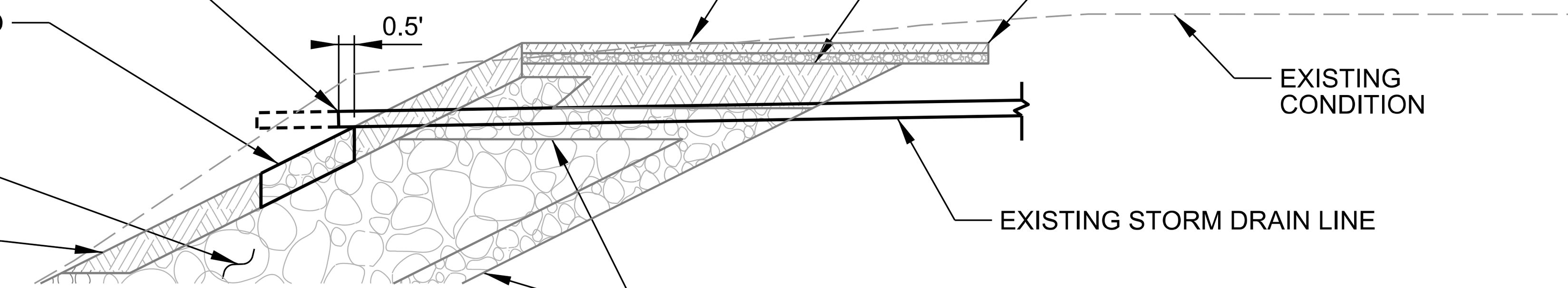
FY15 GREEN RIVER LEVEE REHABILITATION
DYKSTRA LEVEE
AUBURN, WA

TYPICAL SECTIONS

SHEET IDENTIFICATION
C-501
SHEET 16 OF 19

DESIGN FILE: I:\AEDesigns\FY15_PN448194_GRDK\Con_Docs\CAD_Sheets\Civil\PN448194_GRDK_C-501 SITE 1 DETAILS.dgn

DATE AND TIME PLOTTED: 3/9/2016



1 STORM DRAIN EXTENSION

1" = 5'

0 5' 10'

US Army Corps of Engineers®
SEATTLE DISTRICT

MARK	DESCRIPTION	DATE	APPR.

MARK	DESCRIPTION	DATE	APPR.

U.S. ARMY CORPS OF ENGINEERS
SEATTLE DISTRICT
SEATTLE, WASHINGTON

DESIGNED BY: KLEIN
DATE: 17 APRIL 2015
DWN BY: KLEIN
CKD BY:
SUBMITTED BY: WICKSTROM
PLOT DATE: 3/9/2016
PLOT TIME: 9:08:13 AM
FILE NUMBER: E-12-7-236
SIZE: ANSI D
FILE NAME: PN448194_GRDK_C-502

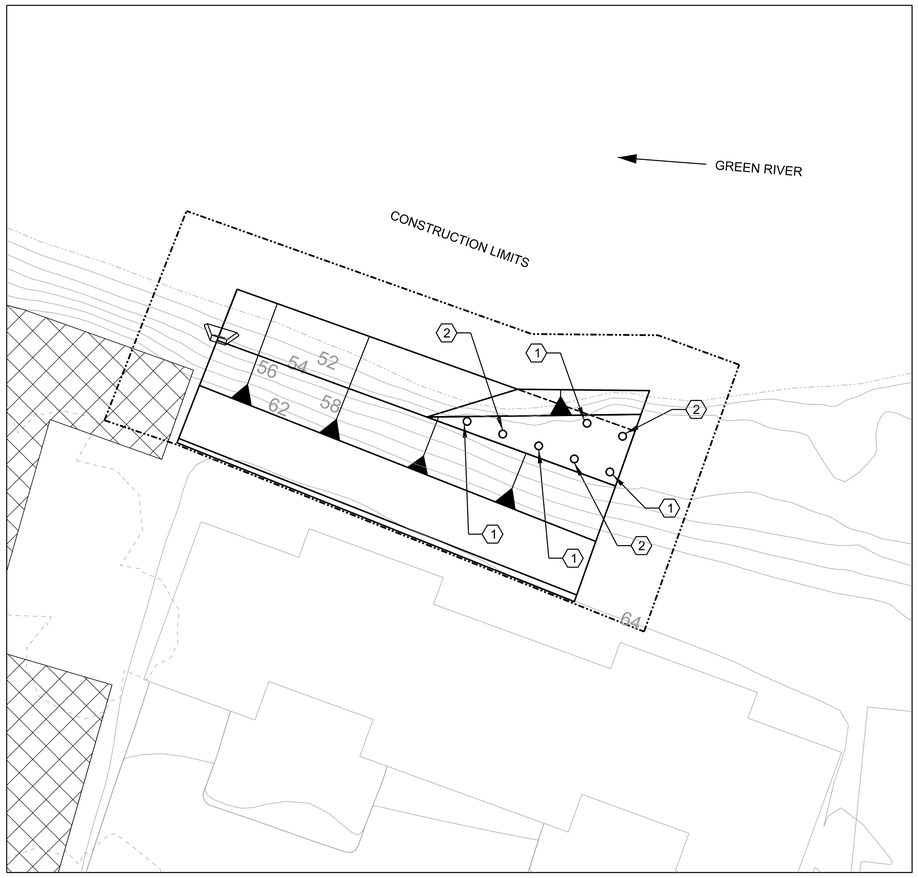
FY15 GREEN RIVER LEVEE REHABILITATION
DYKSTRA LEVEE
AUBURN, WA

SITE DETAILS

SHEET IDENTIFICATION
C-502
SHEET 17 OF 19

DESIGN FILE: I:\AECDesigns\FY15_PN448194_GRDK\Con_Docs\CAD_Sheets\Civil\PN448194_GRDK_C-502 SITE 2 DETAILS.dgn

DATE AND TIME PLOTTED: 3/9/2016

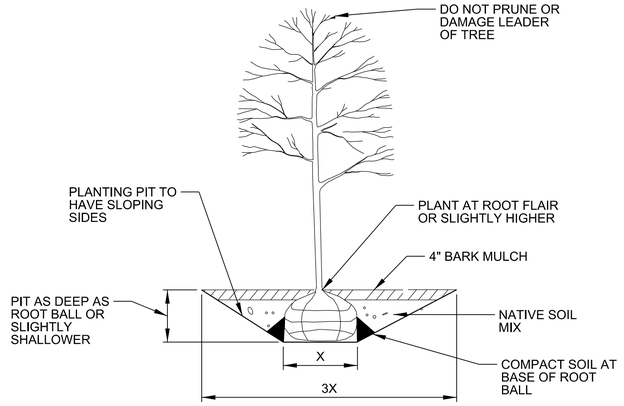


N

1 DYKSTRA LEVEE LANDSCAPE PLAN SITE 1

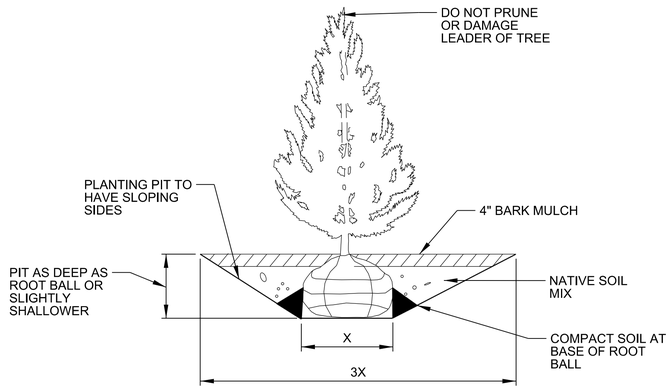
SCALE: 1" = 20'

0 20' 40'



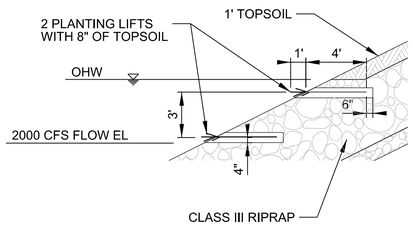
2 L-101 DECIDUOUS TREE PLANTING

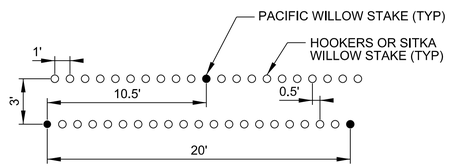
NOT TO SCALE



3 L-101 EVERGREEN TREE PLANTING

NOT TO SCALE





1 PLANTING LIFTS

1" = 5'

0 5' 10'

PLANTING NOTES.

1. FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES, SEE SHEET C-001.

2. PLANT MATERIAL SHALL BE HEALTHY, DISEASE FREE AND IN A VIGOROUS GROWING STATE UPON DELIVERY TO SITE. PLANT MATERIAL FAILING TO MEET THESE CRITERIA SHALL BE REJECTED.

3. CONTAINER PLANTS SHALL HAVE GROWN THEREIN A MINIMUM OF 6 MONTHS AND A MAXIMUM OF 2 YEARS, WITH ROOTS FILLING THE CONTAINERS, BUT NOT SHOWING EVIDENCE OF BEING OR HAVING ROOT BOUND.

4. 4" OF BARK MULCH WILL BE PLACED AFTER PLANTING.

5. TREES SHALL BE WATERED-IN AT THE TIME OF PLANTING.

6. CONTRACTOR SHALL ENSURE 100% SURVIVAL OF ALL TREES DURING THE FIRST YEAR AND AT THE POINT OF ONE YEAR AFTER INITIAL PLANTING.

7. PLANTING OF CONTAINER STOCK SHALL BE ACCOMPLISHED DURING THE PERIOD 1 SEPTEMBER THROUGH 30 MARCH.

8. STAKES SHALL BE CUT WHILE DORMANT AND 5' IN LENGTH WITH AN ANGLE CUT (45 DEGREES) BASAL END OF 0.5" TO 1.5" IN DIAMTER AND PERPENDICULAR CUT JUST ABOVE A NODE (BUD) AT THE TOP.

9. STAKES WILL BE STRIPPED OF ALL STEMS AND LEAVES TAKING CARE TO MINIMIZE SCARRING OR BRUISING.

10. STAKES WILL BE INSTALLED ALONG THE LEVEE SLOPE WITH 1' OF EACH STAKE EMBEDDED INTO THE SLOPE WITH AT LEAST TWO LATERAL BUDS ABOVE GROUND AFTER PLANTING.

11. PLANT STAKES ALONG 12" CENTERS USING TRANGULAR SPACING TO FORM TWO ROWS ALONG THE BANK .

12. LIGHTLY SCARIFY ROOTBALL TO LOOSEN ROOTS PRIOR TO PLANTING.

13. FEATHER MULCH TO MAINTAIN 6" CLEARANCE BETWEEN MULCH AND STEM OF SHRUB.

14. NO RECYCLED ORGANIC MULCH IN BIORRETENTION AREAS. KEEP MULCH AWAY FROM FOLIAGE.

IRRIGATION NOTES.

1. THE CONTRATOR SHALL DESIGN AND PROVIDE AN IRRIGATION SYSTEM ABLE TO PROVIDE SUPPLEMENTAL WATER WEEKLY TO ALL INSTALLED SHRUBS AND TREES WHENEVER THE PRECEDING WEEKS RAINFALL TOTAL DOES NOT EXCEED 1" BETWEEN MAY 1 AND SEPTEMBER 30, AND AT OTHER TIMES AS CLIMATIC CONDITIONS REQUIRE. IRRIGATION SYSTEM SHALL CONSIST OF GRAVITY-FED CISTERNS AND A BUBBLER-IRRIGATION SYSTEM THAT CAN BE REFILLED QUICKLY TO MINIMIZE IMPACTS TO TRAIL USERS. CISTERN SIZE SHALL BE OPTIMIZED FOR THE SUPPLY TRUCK, SECURED TO PREVENT MOVEMENT BY WIND OR VANDALS, AND SHALL DELIVER A MINIMUM OF 1-GALLON OF WATER TO EACH PLANT PER FILLING. THE CISTERN MAY BE FILLED AS MANY TIMES DURING EACH WATERING AS NECESSARY TO PROVIDE ALL PLANTS WITH SUFFICIENT WATER TO MAINTAIN A HEALTHY, VIGOROUS CONDITION. CISTERN AND IRRIGATION LINES SHALL BE LOCATED ON THE WATERWARD SIDE OF THE ASPHALT TRAIL AND SHOULD NOT ENCROACH ON THE TRAIL. IRRIGATION SYSTEM SHOULD BE DESIGN FOR A LIFE SPAN OF 5 YEARS.

2. THE CONTRACTOR SHALL SUBMIT AN IRRIGATION PLAN FOR GOVERNMENT APPROVAL PRIOR TO INSTALLATION OF THE SYSTEM.

TREE / SHRUB TABLE

NO.	NAME	NAME	MAX. HEIGHT	TYPE	NO. OF TREES/SHRUB
1	COTTON WOOD	POPULUS BALSAMIFERA	100'	1 GALLON	4
2	SPRUCE	PICEA SITCHENSIS	200'	1 GALLON	3

US Army Corps of Engineers
SEATTLE DISTRICT

MARK	DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

DESIGNED BY: PEELE
DWN BY: PEELE
SUBMITTED BY: WICKSTROM
CKD BY: KATO
PLOT DATE: 3/9/2016
SIZE: ANSI D
DATE: 17 APRIL 2015
PLOT TIME: 8:00 AM
FILE NUMBER: E15C4526
FILE NAME: PN448194_GRDK_C-105

U.S. ARMY CORPS OF ENGINEERS
SEATTLE DISTRICT
SEATTLE, WASHINGTON

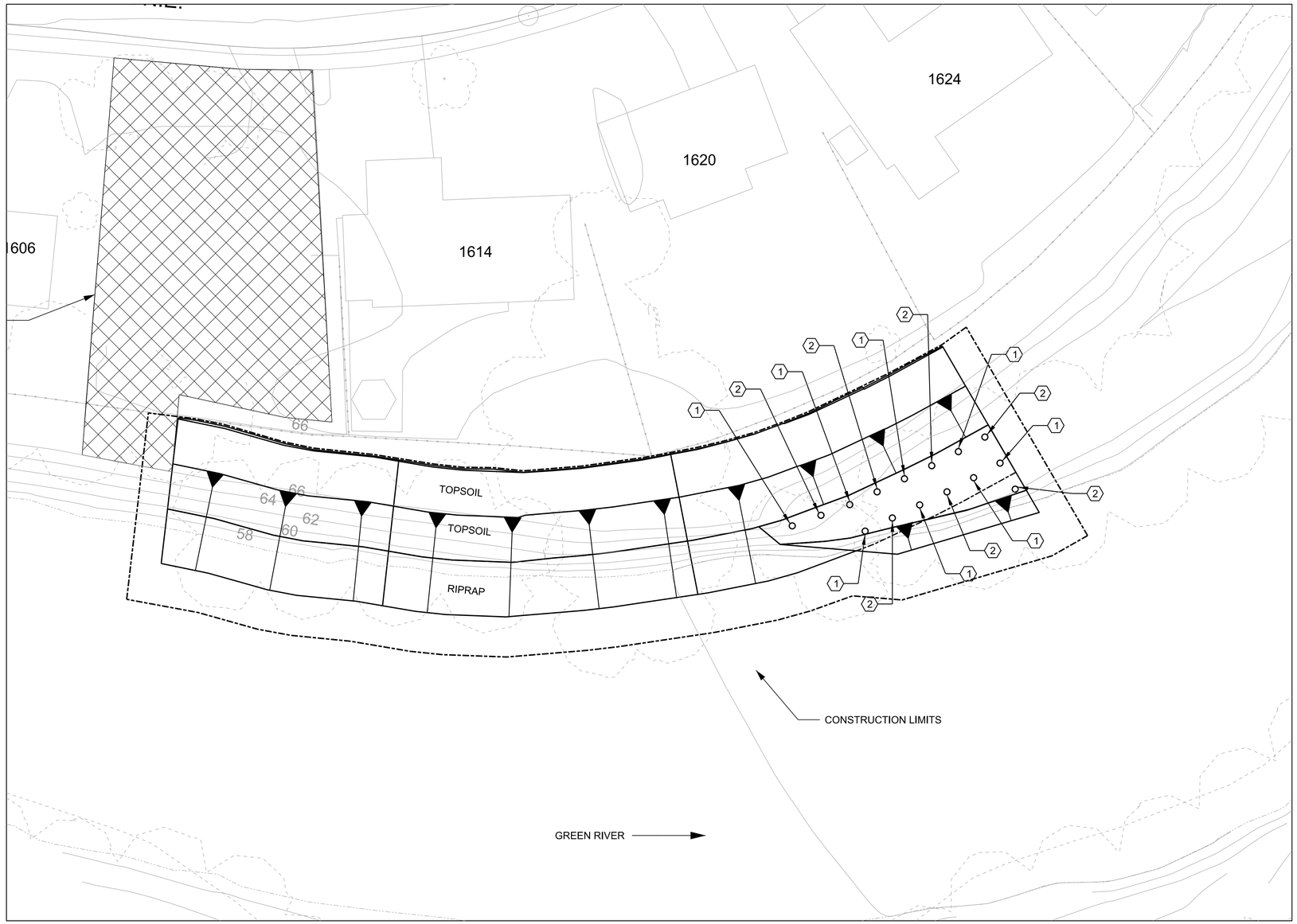
FY15 GREEN RIVER LEVEE REHABILITATION
DYKSTRA LEVEE
AUBURN, WA

LANDSCAPE PLAN
SITE 1

SHEET IDENTIFICATION
L-101
SHEET 18 OF 19

DESIGN FILE: I:\AECDesigns\FY15_PN448194_GRDK\Con_Docs\CAD_Sheets\Civil\PN448194_GRDK_L-101 SITE 1.dgn

DATE AND TIME PLOTTED: 3/9/2016



NOTES:

1. FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES, SEE SHEET C-001.

2. FOR LANDSCAPE DETAILS AND NOTES, SEE SHEET L-101.

N

1 DYKSTRA LEVEE LANDSCAPE PLAN SITE 3

SCALE: 1" = 0'

0 20' 40'

TREE / SHRUB TABLE

NO.	NAME	NAME	MAX. HEIGHT	TYPE	NO. OF TREES/SHRUB
1	COTTON WOOD	POPULUS BALSAMIFERA	100'	1 GALLON	8
2	SPRUCE	PICEA SITCHENSIS	200'	1 GALLON	7

US Army Corps of Engineers
SEATTLE DISTRICT

MARK	DESCRIPTION	DATE	APPR.

MARK	DESCRIPTION	DATE	APPR.

U.S. ARMY CORPS OF ENGINEERS
SEATTLE DISTRICT
SEATTLE, WASHINGTON

DESIGNED BY: PEELE
DRWN BY: PEELE
SUBMITTED BY: WICKSTROM
PLOT DATE: 3/9/2016
SIZE: ANSI D
DATE: 17 APRIL 2015
CKD BY: KATO
PLOT TIME: 08:37 AM
FILE NAME: PN448194_GRDK_C-108
FILE NUMBER: E52C208

FY15 GREEN RIVER LEVEE REHABILITATION
DYKSTRA LEVEE
AUBURN, WA

LANDSCAPE PLAN
SITE 3

SHEET IDENTIFICATION
L-102
SHEET 19 OF 19

DESIGN FILE: I:\AECDesigns\FY15_PN448194_GRDK\Con_Docs\CAD_Sheets\Civil\PN448194_GRDK_L-102 SITE 3.dgn

DATE AND TIME PLOTTED: 3/9/2016