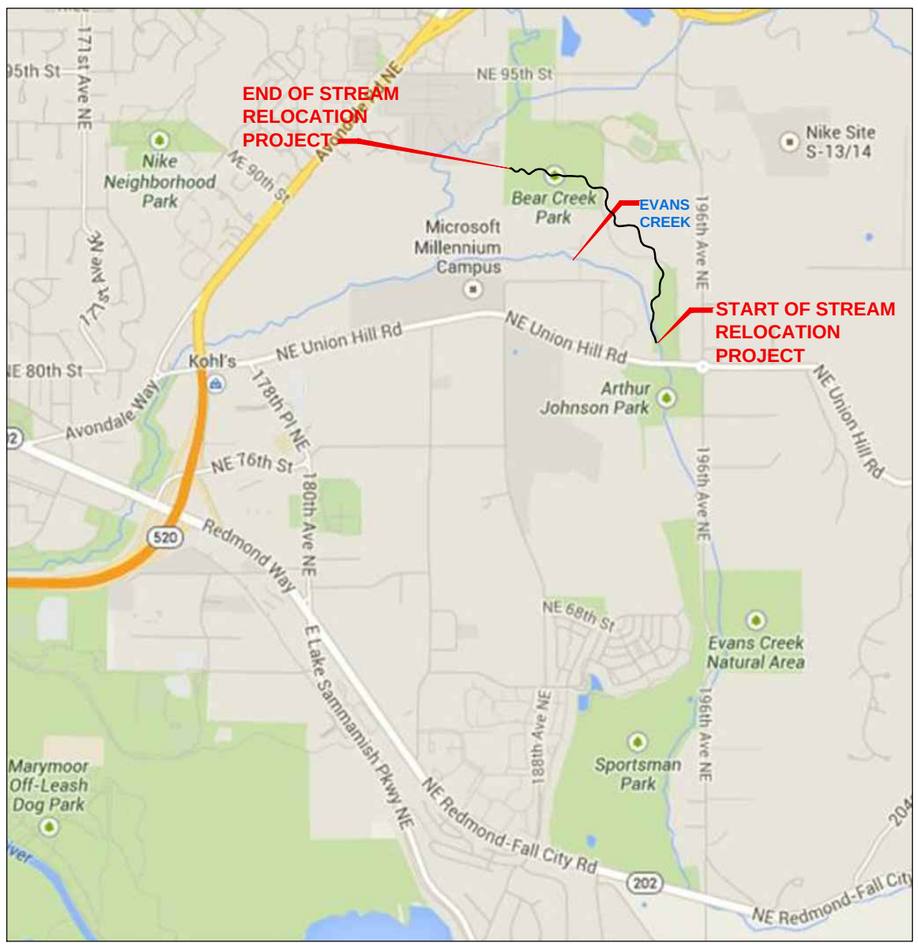
STATE OF WASHINGTON
SCALE: NOT TO SCALE



VICINITY MAP
SCALE: NOT TO SCALE

Construction Drawings For

City of Redmond Evans Creek Relocation Project

XXXX

HDR Project No: 203107

King County, Washington

DRAFT 30% DESIGN DRAWINGS

July, 2014

HDR Engineering, Inc.
500 108th Avenue NE
Suite 1200
Bellevue, WA 98004-5549

DRAWING INDEX

SHEET NO.	DRAWING NAME	DRAWING TITLE
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3	GE03	ABBREVIATIONS
4	GE04	EXISTING SITE PLAN AND SURVEY CONTROL
5	GE05	CONSTRUCTION ACCESS AND STAGING PLAN
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24	PL07	PLANTING PLAN I CONSTRUCTION ACCESS AND PROPERTY
25	PL08	PLANTING PLAN II CONSTRUCTION ACCESS AND PROPERTY
26	PL09	PLANTING SCHEDULE AND DETAIL
27	PL10	PLANTING AND HABITAT DETAILS I
27	PL11	PLANTING AND HABITAT DETAILS II

CALL 48 HOURS BEFORE YOU DIG 1-800-424-5555

CIVIL SYMBOLOGY

SYMBOL OR LINETYPE	DESCRIPTION
5255	HORIZONTAL CONTROL LOCATION AND CALLOUT
1	CONSTRUCTION NOTE
B-101	SOIL BORING
TP-101	SOIL TEST PIT
	WETLAND DELINEATION SAMPLE PLOT
	UTILITY POT HOLE
75.8	SURFACE SPOT ELEVATION
	DIRECTION OF SURFACE RUNOFF
	DITCH OR STREAM CENTERLINE
	CUT SLOPE
	FILL SLOPE
	CONTRUCTION ENTRANCE
	CONTRUCTION STAGING AREA
	PERMANENT EASEMENT
	TEMPORARY OR CONSTRUCTION EASEMENT
	PROPERTY LINES
	RIGHT OF WAY LINES
	RIGHT OF WAY CENTERLINE
x x x	BARBED WIRE OR CHAINLINK FENCE
	GUARDRAIL
HVF	CONSTRUCTION HIGH VISIBILITY FENCE
100 YEAR	100 YEAR FLOOD BOUNDARY
	PROFILE EXISTING GRADE SURFACE
	SILT FENCE
	PROFILE FINAL GRADE SURFACE
20	MAJOR CONTOURS AND LABELS
21	MINOR CONTOURS
WTL	WETLAND BOUNDARY AND HATCHING
	CONSTRUCTION LIMIT
	WETLAND BUFFER
MHHW	MEAN HIGH WATER
EOP	EDGE OF PAVEMENT
	SHORELINE JURISDICTION
	STREAM BUFFER
OHW	ORDINARY HIGH WATER
	VEGETATION LINE
	CONIFER TREE
	DECIDUOUS TREE

SYMBOL OR LINETYPE	DESCRIPTION
	FORESTED WETLAND MIX A
	FORESTED WETLAND MIX B
	SCRUB SHRUB WETLAND MIX
	STREAM BANK PLANTING MIX
	UPLAND FOREST MIX
	LOW GROW SEE MIX
	PROPOSED EARTH/ FILL MATERIAL
	NATIVE/ EXISTING EARTH/ FILL MATERIAL
	ASPHALT OVERLAY
	EROSION CONTROL BLANKET OR MATT
	CONCRETE
	GRAVEL, DRAIN ROCK OR AGGREGATE BASE
	SANDBAG REVETMENT
	DEMOLITION
	CRUSHED GRAVEL SURFACING
MH 29	SANITARY SEWER MANHOLE
SS SS	SANITARY SEWER PIPELINE
CB	CATCH BASIN
	CATCH BASIN INSERT
	CULVERT
SD SD	STORM DRAIN PIPELINE
	WATER PIPE CENTERLINE
175+00	WATER PIPE STATIONING AND TICKS
W W	WATER PIPE SINGLE LINE
	WATER PIPE DOUBLE LINE
	ISOLATION VALVE
	TRENCH PLUGS
	BLIND FLANGE
	PLUG VALVE
	ACCESS & VAULT CHAMBER
CP ##	CATHODIC PROTECTION TEST STATION
	CHANGE IN PIPING MATERIAL
A	TRENCH BACKFILL AND SURFACE RESTORATION

EXISTING CIVIL SYMBOLOGY

SYMBOL	DESCRIPTION
	MONUMENT
	MONUMENT IN CASE
	REBAR & CAP
	SCRIBED "X"
	PK NAIL
	METAL SIGN POST
	WOOD SIGN POST
S	SANITARY SEWER MANHOLE
	STORM DRAIN MANHOLE
	CATCH BASIN
WM	WATER METER
	GAS VALVE
TR	TRAFFIC JUNCTION BOX
EL	ELECTRICAL JUNCTION BOX
PM	POWER METER
TC	TELECOMMUNICATION JUNCTION BOX
CT	CABLE TV JUNCTION BOX
	JUNCTION BOX
P	POWER VAULT
TELR	TELECOMMUNICATION RISER
P	UTILITY POLE
UG	UTILITY POLE W/CONDUITS TO UNDERGROUND
	GUY ANCHOR
GP	GUY POLE
	TRAFFIC SIGNAL POLE W/ LUMINAIRE
	LUMINAIRE (SINGLE FIXTURE)
UG	LUMINAIRE (SINGLE FIXTURE) W/CONDUITS TO UNDERGROUND

SYMBOL	DESCRIPTION
GTP	GATE POST
MB	MAIL BOX
	CONIFEROUS TREE
	DECIDUOUS TREE
	TEST HOLE (WITH FIELD IDENTIFIER)
	YARD LIGHT OR LUMINAIRE W/NO MAST
	GRATE INLET
CPEP	CORRUGATED POLYETHYLYNE PIPE
RCP	REINFORCED CONCRETE PIPE
CIP	CAST IRON PIPE
CMP	CORRUGATED METAL PIPE
DIP	DUCTILE IRON PIPE
W	WATER MANHOLE
	WATER VALVE
	FIRE HYDRANT

LINETYPE	DESCRIPTION
G G	GENERIC GAS LINE
IRR	IRRIGATION
SD	STORM DRAIN
SS	SANITARY SEWER
FM	FORCEMAIN
W W	GENERIC WATER LINE
UGE	UNDERGROUND POWER
UGF	UNDERGROUND FIBER OPTIC
UGT	UNDERGROUND TELEPHONE
UGTV	UNDERGROUND TELEVISION
OHE	OVERHEAD POWER
OHF	OVERHEAD FIBER OPTIC
OHT	OVERHEAD TELEPHONE
OHTV	OVERHEAD TELEVISION
20	MAJOR CONTOUR
21	MINOR CONTOUR

IDENTIFICATION SYMBOLOGY

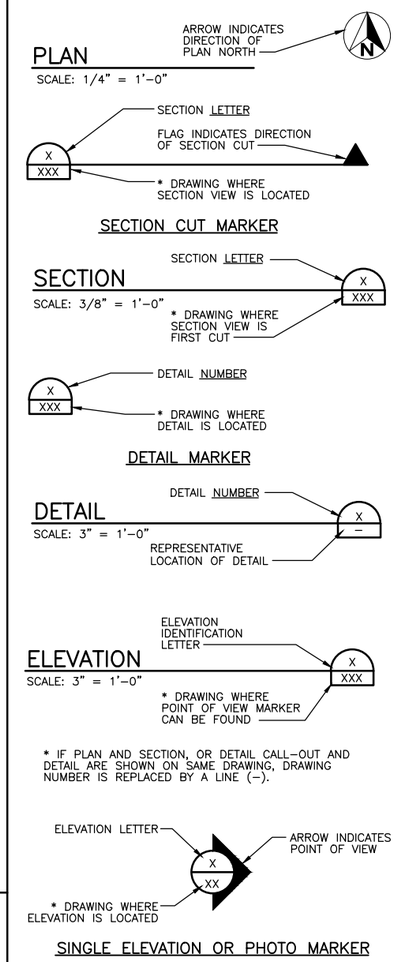
DRAWING DISCIPLINE ABBREVIATIONS (1ST DIGIT)

G	GENERAL
C	CIVIL
P	PLANTING
TESC	TEMPORARY EROSION AND SEDIMENT CONTROL PLANS

DRAWING SERIES DESIGNATIONS (1ST TWO DIGITS)

00	GENERAL
01	CIVIL
02	PLANTING
03	TESC

GENERAL SYMBOLOGY



ABBREVIATIONS

TYP	TYPICAL

GENERAL NOTES:

1. THIS IS A STANDARD DRAWING SHOWING COMMON SYMBOLOGY. ALL SYMBOLS ARE NOT NECESSARILY USED ON THIS PROJECT.
2. SCREENING OR SHADING OF WORK IS USED TO INDICATE EXISTING COMPONENTS OR TO DE-EMPHASIZE PROPOSED IMPROVEMENTS TO HIGHLIGHT SELECTED TRADE WORK. REFER TO CONTEXT OF EACH DRAWING FOR USAGE.

30% DESIGN
NOT FOR CONSTRUCTION

HDR Engineering, Inc.

ISSUE	DATE	DESCRIPTION
A	07\31\2014	30% DESIGN SUBMITTAL

PROJECT MANAGER	B. PETERSON
DESIGNED	X. XXXX
DRAWN	M. NAGAMATSU
CHECKED	X. XXXX
PROJECT NUMBER	203107

CityofRedmond WASHINGTON

EVANS CREEK RELOCATION

CITY OF REDMOND

GENERAL SYMBOLOGY, LEGEND AND ABBREVIATIONS

0 1" 2"

FILENAME	00GE02.dwg
SCALE	N/A

SHEET **00GE02** X of XX

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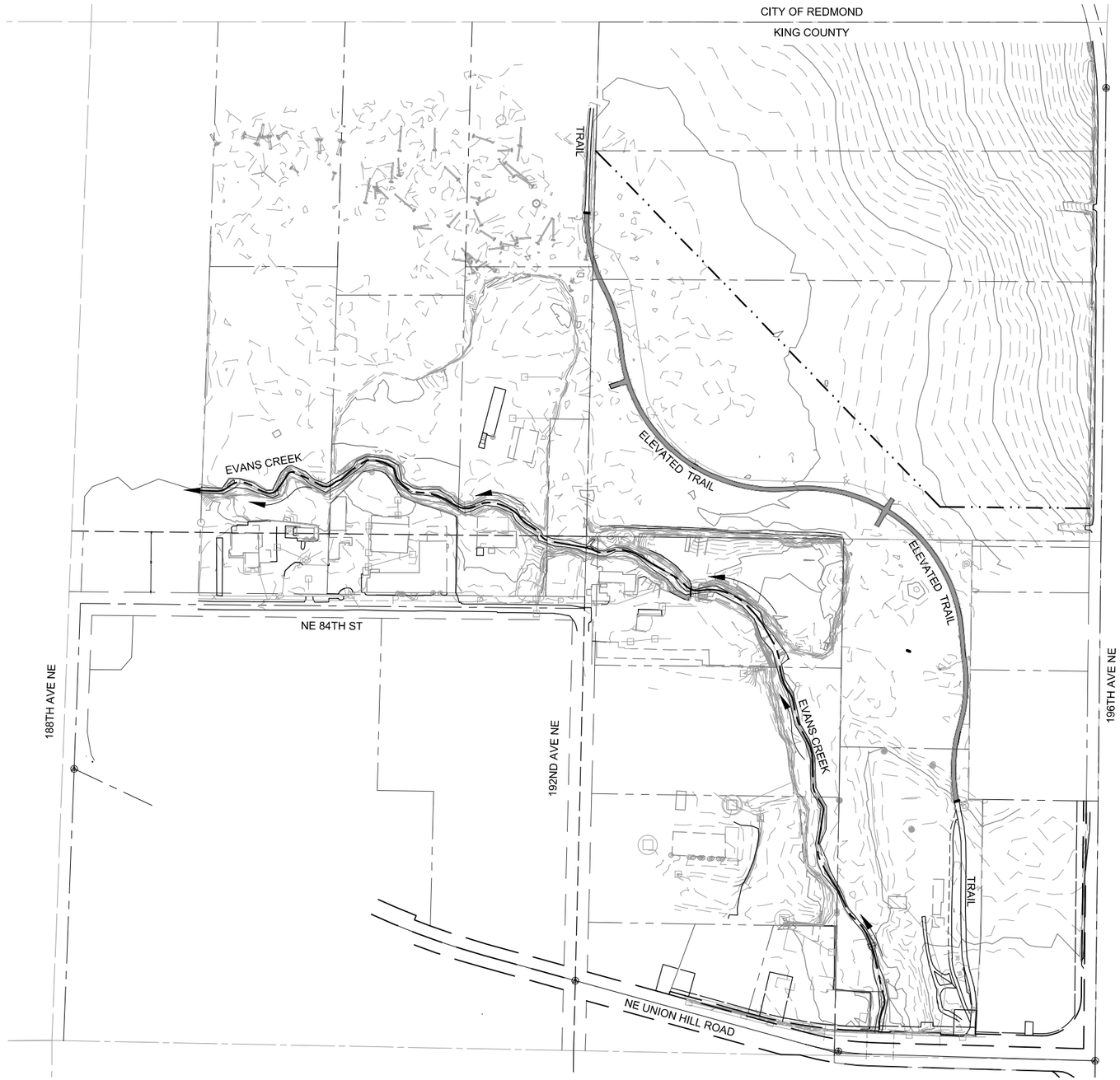

EXISTING SITE PLAN
AND SURVEY CONTROL
SCALE: 1" = 160'

SURVEY NOTES:

1. SURVEY PERFORMED JUNE–OCTOBER 2013 BY LIN & ASSOCIATES, INC.
2. MERIDIAN: STATE PLAN COORDINATES, NORTH ZONE NAD 1983/91
3. VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM OF 1998 (NAVD 88)

CONTROL POINTS

POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
001	2487011.77	1333550.66		3.5" SURFACE BRASS DISC
002	251195.56	1333578.83		3.5" SURFACE BRASS DISC
003	249468.00	1330981.12	67.54FT	2" BRASS DISK STAMPED

DATUM

HORIZONTAL DATUM: NAD '83/91, WASHINGTON STATE PLANE, NORTH ZONE
VERTICAL DATUM: NAVD '88

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HDR Engineering, Inc.

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A	07\31\2014	30% DESIGN SUBMITTAL

PROJECT MANAGER	B. PETERSON
DESIGNED	X. XXXX
DRAWN	M. NAGAMATSU
CHECKED	X. XXXX
PROJECT NUMBER	203107

CityofRedmond WASHINGTON

EVANS CREEK RELOCATION

CITY OF REDMOND

EXISTING SITE PLAN AND SURVEY CONTROL

0 1" 2"

FILENAME	00GE03.dwg
SCALE	1"=160'

SHEET **00GE03** X of XX

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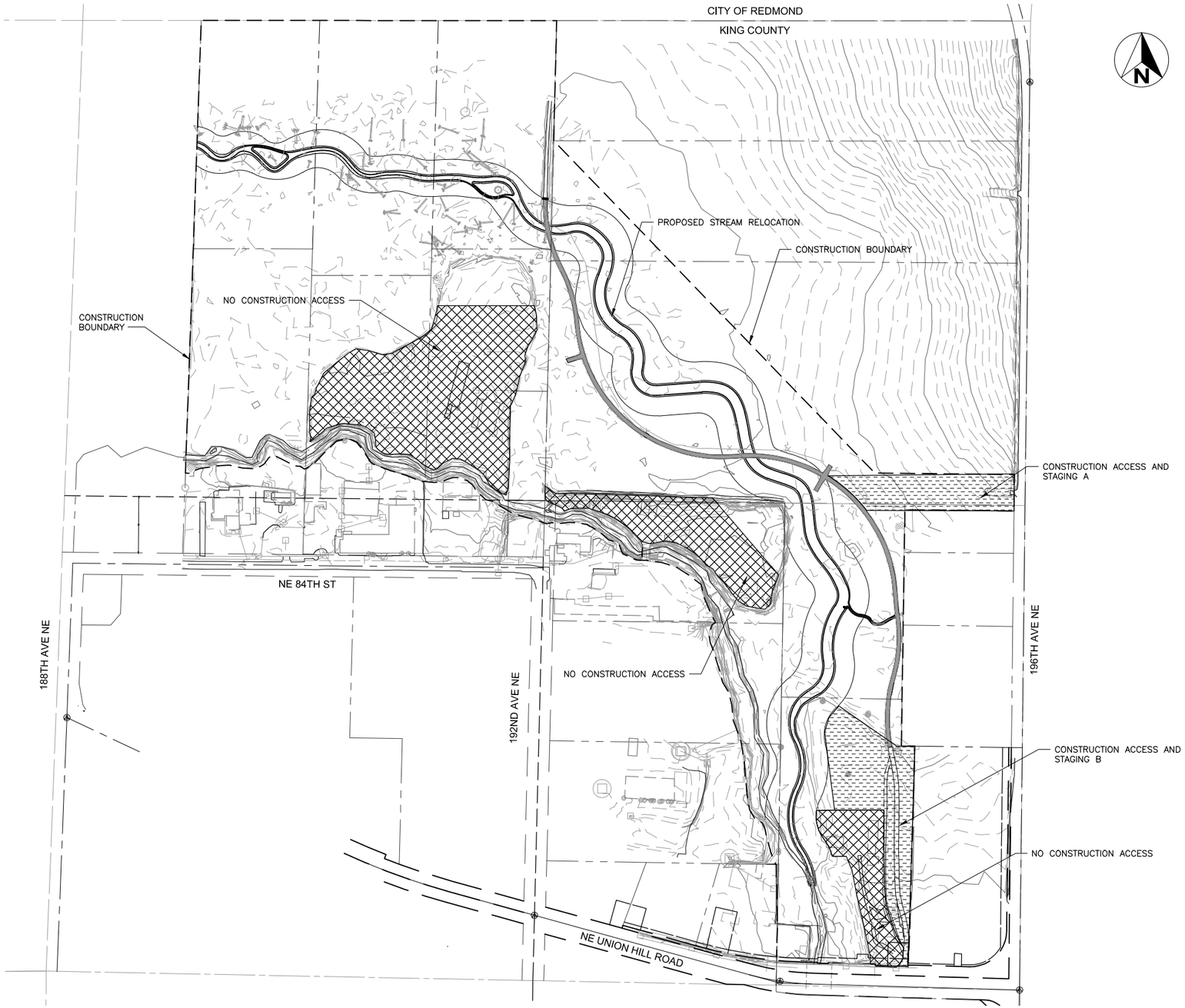

CONSTRUCTION ACCESS AND STAGING PLAN

SCALE: 1" = 160'

GENERAL NOTES:

1. XXX.
2. XXX.

DATUM
HORIZONTAL DATUM: NAD '83/91, WASHINGTON STATE PLANE, NORTH ZONE
VERTICAL DATUM: NAVD '88

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PROJECT MANAGER	B. PETERSON
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DRAWN	M. NAGAMATSU
CHECKED	X. XXXX
PROJECT NUMBER	203107

CityofRedmond WASHINGTON

EVANS CREEK RELOCATION

CITY OF REDMOND

CONSTRUCTION ACCESS AND STAGING PLAN

0 1" 2"

FILENAME	00GE04.dwg
SCALE	1"=160'

SHEET **00GE04** X of XX

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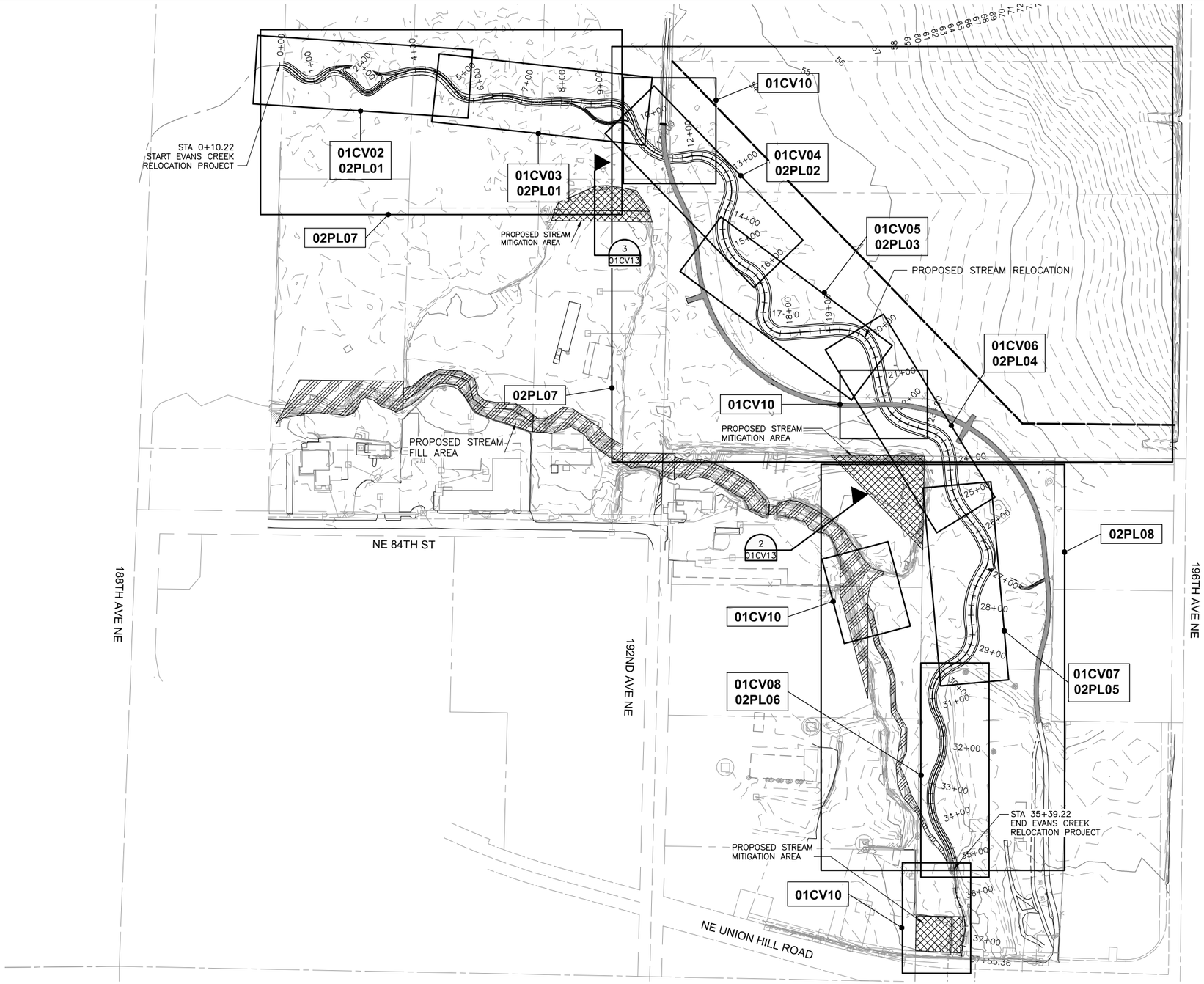

SITE PLAN AND KEY MAP

SCALE: 1" = 120'

GENERAL NOTES:

1. XXX.
2. XXX.

DATUM
HORIZONTAL DATUM: NAD '83/91, WASHINGTON STATE PLANE, NORTH ZONE
VERTICAL DATUM: NAVD '88

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ISSUE	DATE	DESCRIPTION
A	07\31\2014	30% DESIGN SUBMITTAL

PROJECT MANAGER	B. PETERSON
DESIGNED	M. GARELLO
DRAWN	M. NAGAMATSU
CHECKED	S. CLINE
PROJECT NUMBER	203107

CityofRedmond WASHINGTON

EVANS CREEK RELOCATION

CITY OF REDMOND

PROPOSED SITE PLAN AND KEY MAP

0 1" 2"

FILENAME	01CV01.dwg
SCALE	1"=120'

SHEET **01CV01** X of XX

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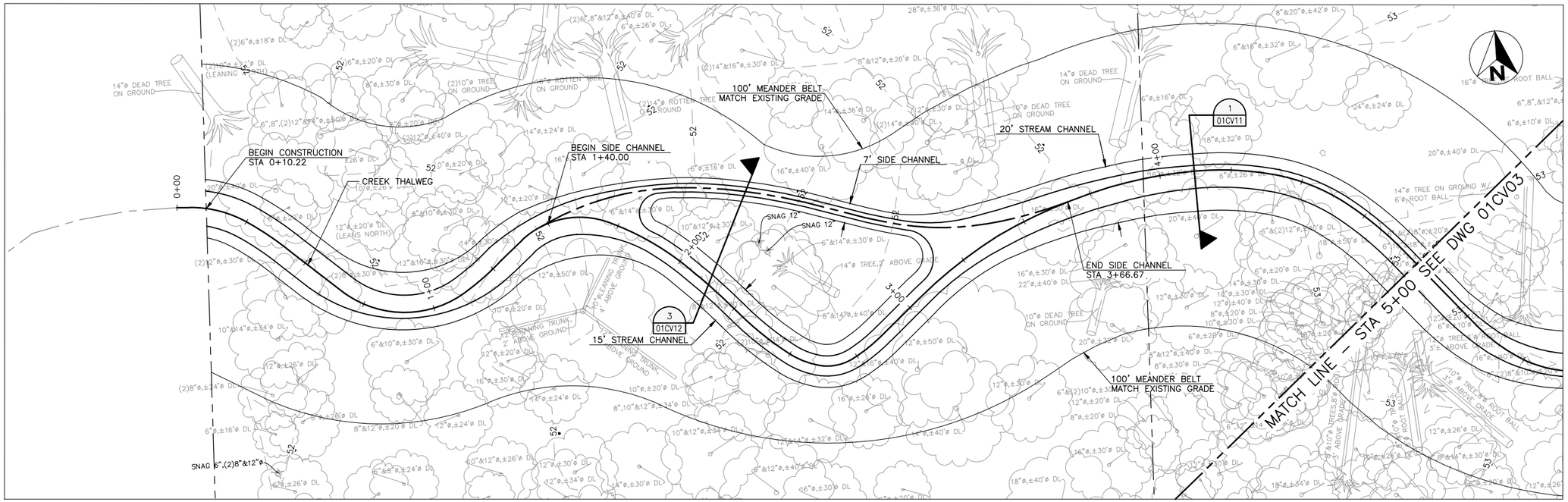
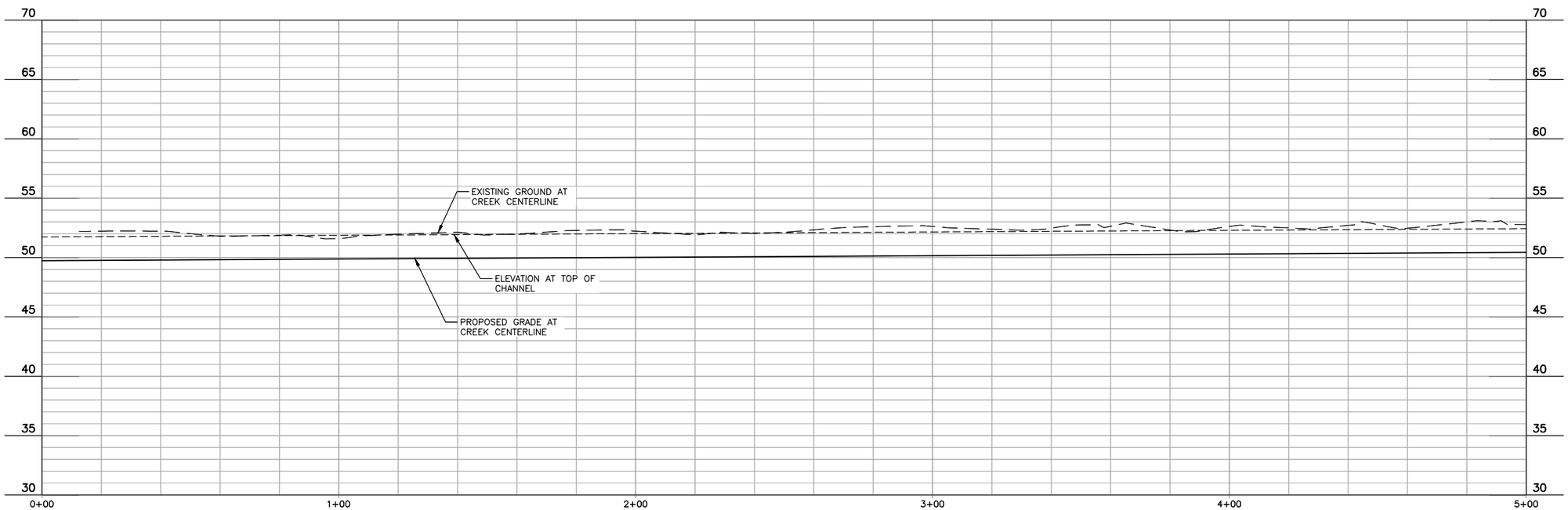


PLAN
SCALE: 1"=20'



PROFILE
SCALE: H1"=20', V1"=5'

GENERAL NOTES:

1. XXX.
2. XXX.

DATUM
HORIZONTAL DATUM: NAD '83/91, WASHINGTON STATE PLANE, NORTH ZONE
VERTICAL DATUM: NAVD '88

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ISSUE	DATE	DESCRIPTION
A	07\31\2014	30% DESIGN SUBMITTAL

PROJECT MANAGER	B. PETERSON
DESIGNED	M. GARELLO
DRAWN	M. NAGAMATSU
CHECKED	M. GARELLO
PROJECT NUMBER	203107

CityofRedmond WASHINGTON

EVANS CREEK RELOCATION

CITY OF REDMOND

PLAN AND PROFILE STA 0+00 TO 5+00

0 1" 2"

FILENAME	01CV02.dwg
SCALE	1"=20' H : 1"=5' V

SHEET **01CV02** X of XX

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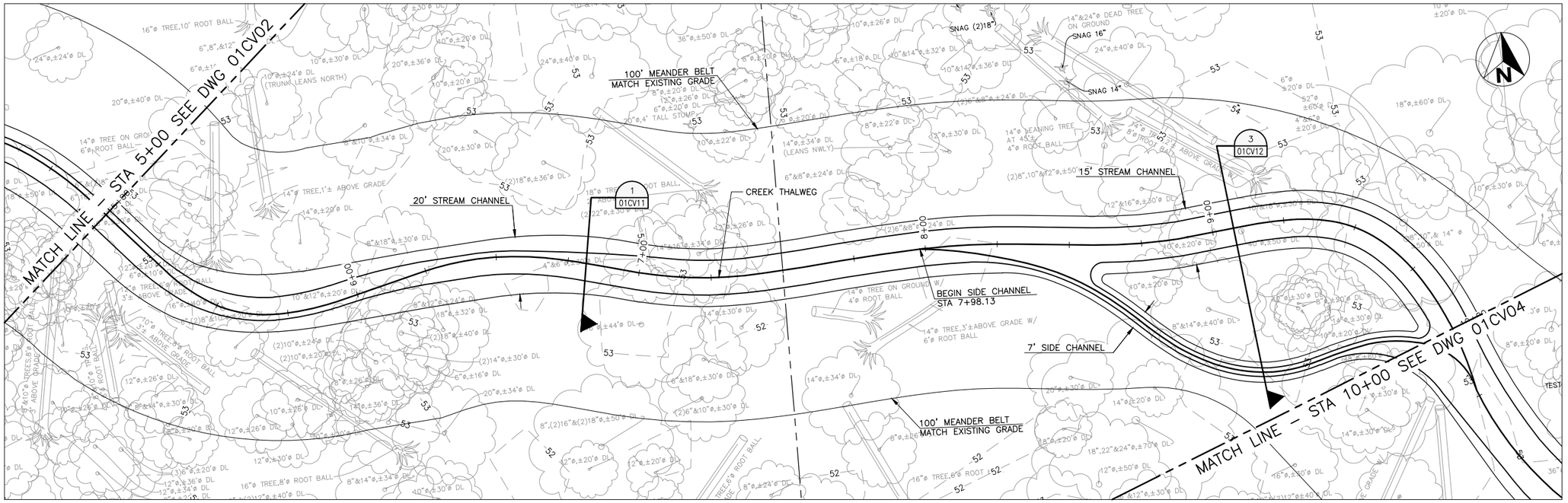
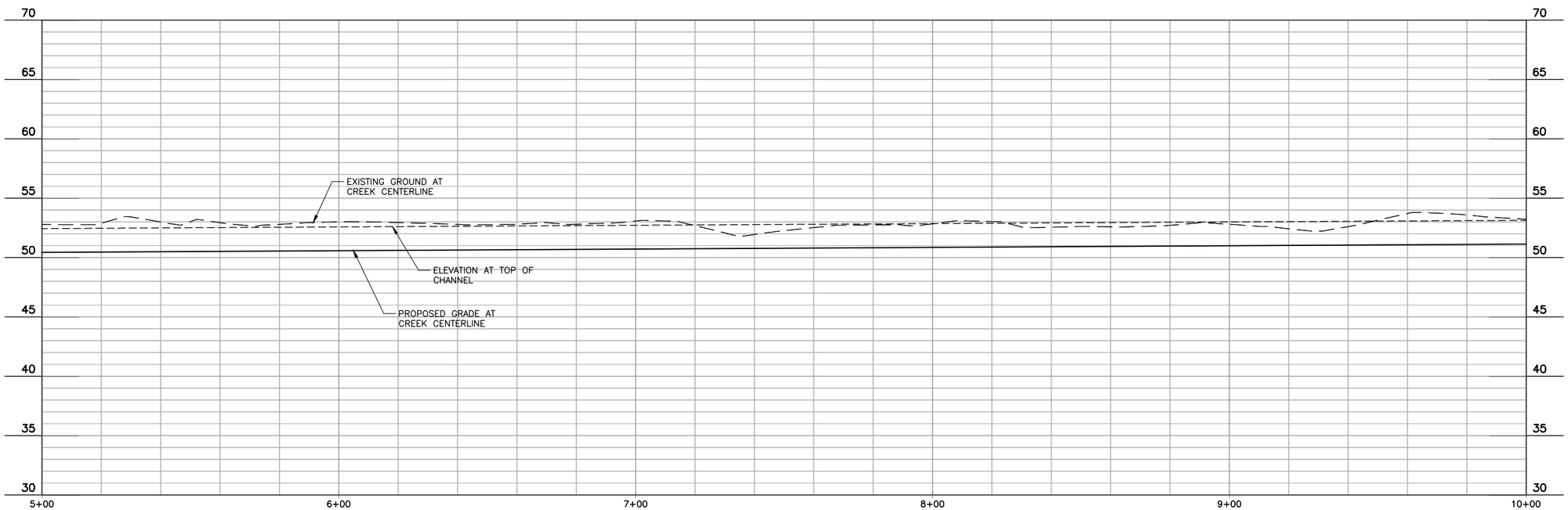


PLAN
SCALE: 1"=20'



PROFILE
SCALE: H1"=20', V1"=5'

GENERAL NOTES:

1. XXX.
2. XXX.

DATUM
HORIZONTAL DATUM: NAD '83/91, WASHINGTON STATE PLANE, NORTH ZONE
VERTICAL DATUM: NAVD '88

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HDR Engineering, Inc.

ISSUE	DATE	DESCRIPTION
A	07\31\2014	30% DESIGN SUBMITTAL

PROJECT MANAGER	B. PETERSON
DESIGNED	M. GARELLO
DRAWN	M. NAGAMATSU
CHECKED	M. GARELLO
PROJECT NUMBER	203107

CityofRedmond WASHINGTON

EVANS CREEK RELOCATION

CITY OF REDMOND

PLAN AND PROFILE STA 5+00 TO 10+00

0 1" 2"

FILENAME	01CV03.dwg
SCALE	1"=20' H : 1"=5' V

SHEET **01CV03** X of XX

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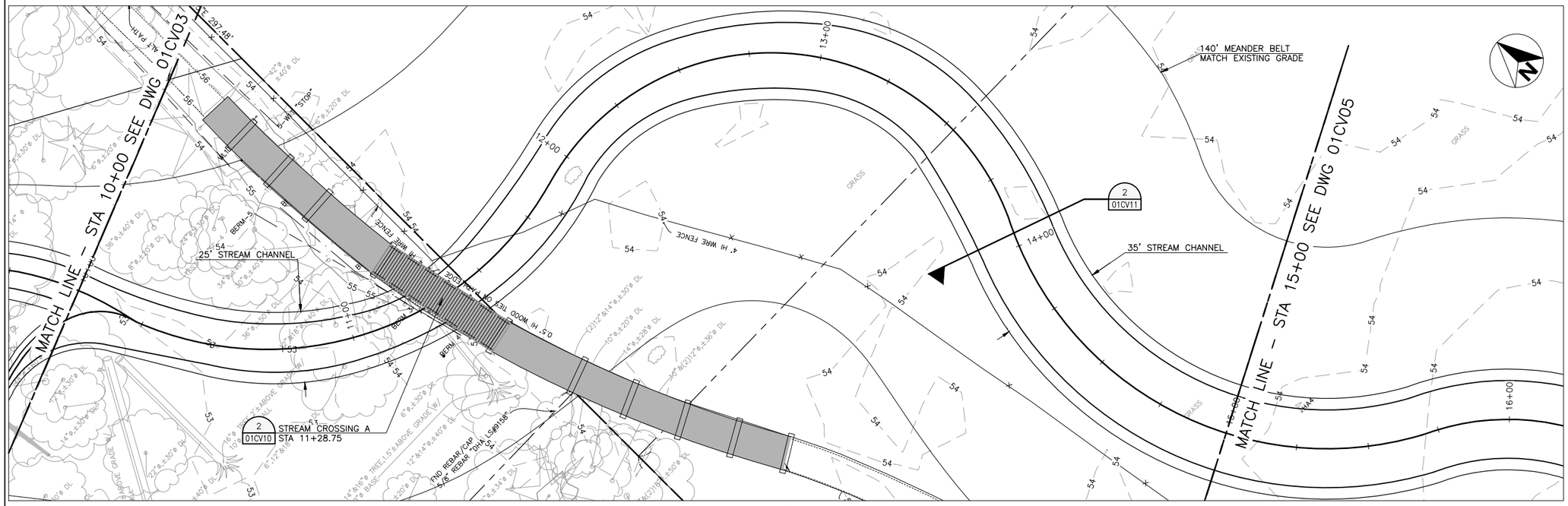

PLAN
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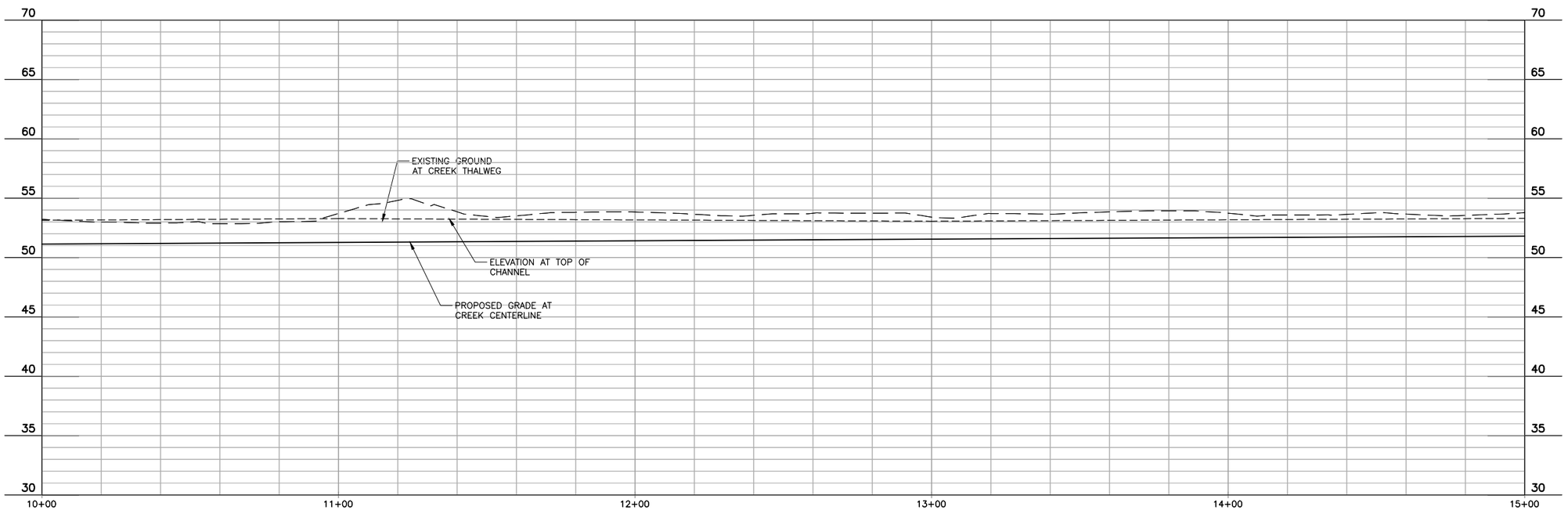

PROFILE
SCALE: H1"=20', V1"=5'

GENERAL NOTES:

2. XXX.

DATUM
HORIZONTAL DATUM: NAD '83/91, WASHINGTON STATE PLANE, NORTH ZONE
VERTICAL DATUM: NAVD '88

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HDR Engineering, Inc.

ISSUE	DATE	DESCRIPTION
A	07\31\2014	30% DESIGN SUBMITTAL

PROJECT MANAGER	B. PETERSON
DESIGNED	M. GARELLO
DRAWN	M. NAGAMATSU
CHECKED	S. CLINE
PROJECT NUMBER	203107

CityofRedmond WASHINGTON

EVANS CREEK RELOCATION

CITY OF REDMOND

PLAN AND PROFILE STA 10+00 TO 15+00

0 1" 2"

FILENAME	01CV04.dwg
SCALE	1"=20' H : 1"=5' V

SHEET **01CV04** X of XX

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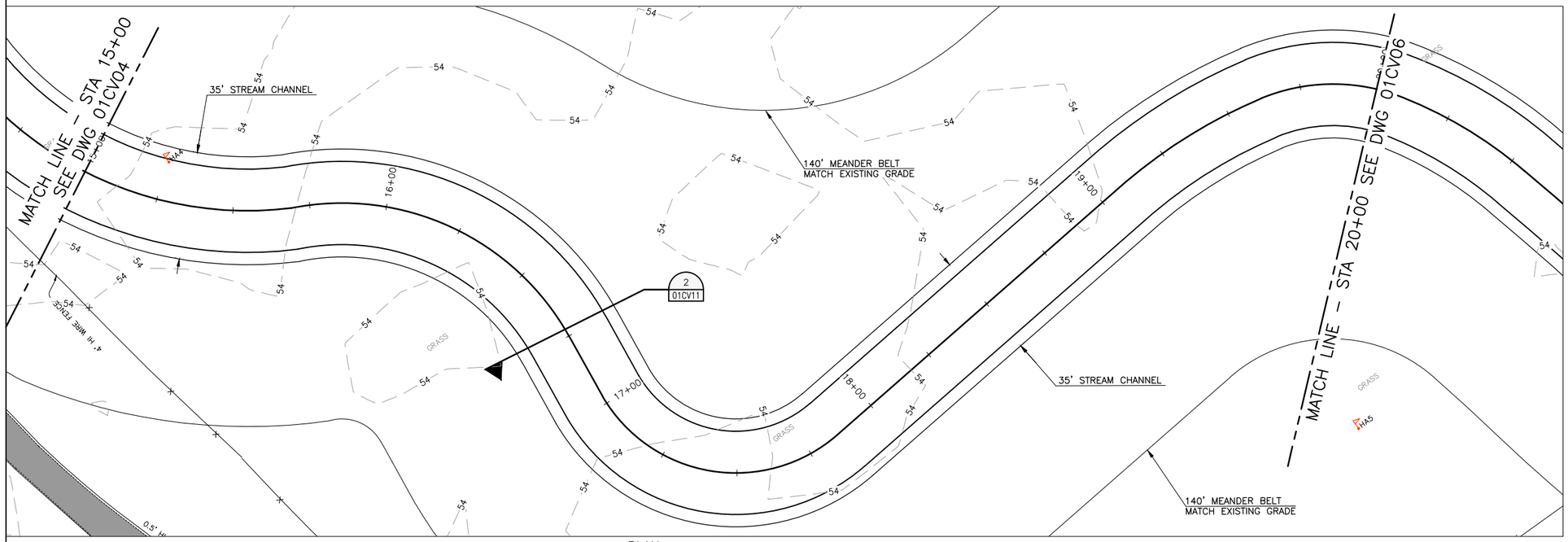
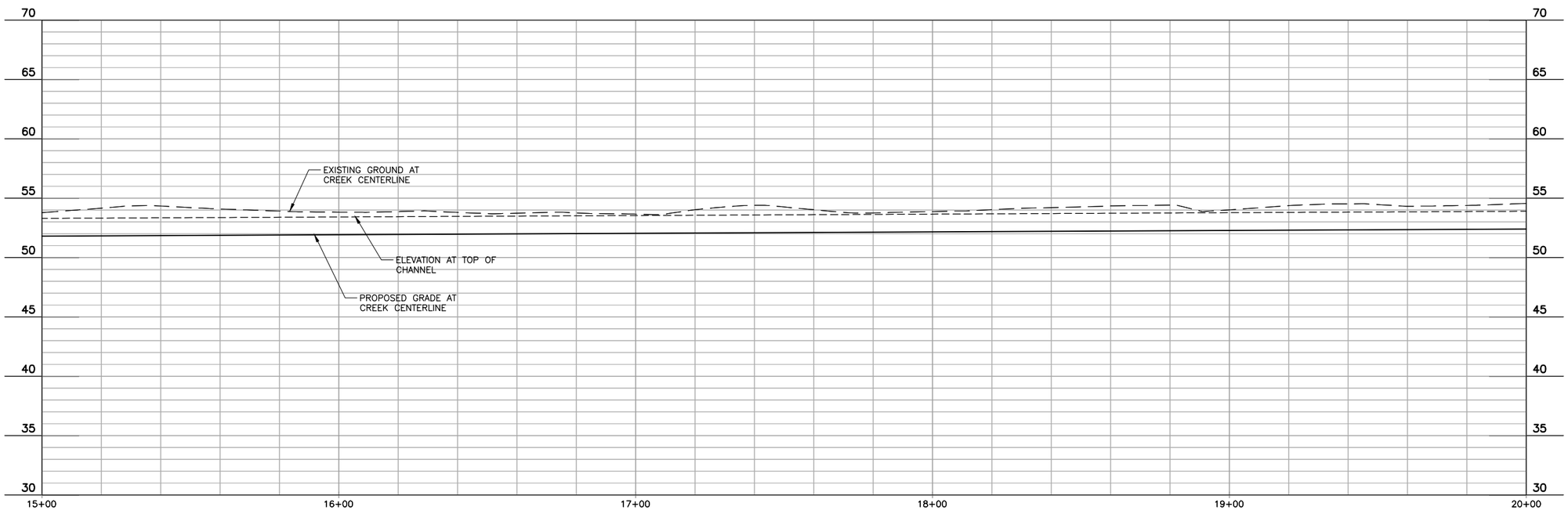


PLAN
SCALE: 1"=20'



PROFILE
SCALE: H1"=20', V1"=5'

GENERAL NOTES:

1. XXX.
2. XXX.

DATUM
HORIZONTAL DATUM: NAD '83/91, WASHINGTON STATE PLANE, NORTH ZONE
VERTICAL DATUM: NAVD '88

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ISSUE	DATE	DESCRIPTION
A	07\31\2014	30% DESIGN SUBMITTAL

PROJECT MANAGER	B. PETERSON
DESIGNED	M. GARELLO
DRAWN	M. NAGAMATSU
CHECKED	M. GARELLO
PROJECT NUMBER	203107

CityofRedmond WASHINGTON

EVANS CREEK RELOCATION

CITY OF REDMOND

PLAN AND PROFILE STA 15+00 TO 20+00

0 1" 2"

FILENAME	01CV05.dwg
SCALE	1"=20' H : 1"=5' V

SHEET **01CV05** X of XX

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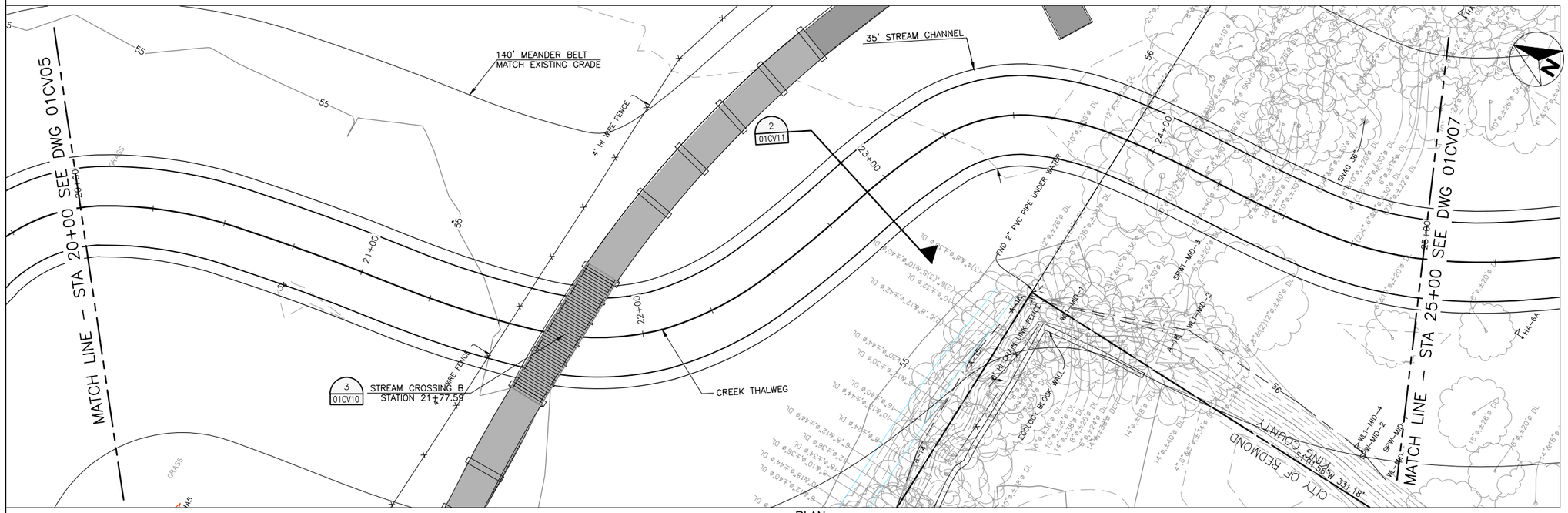
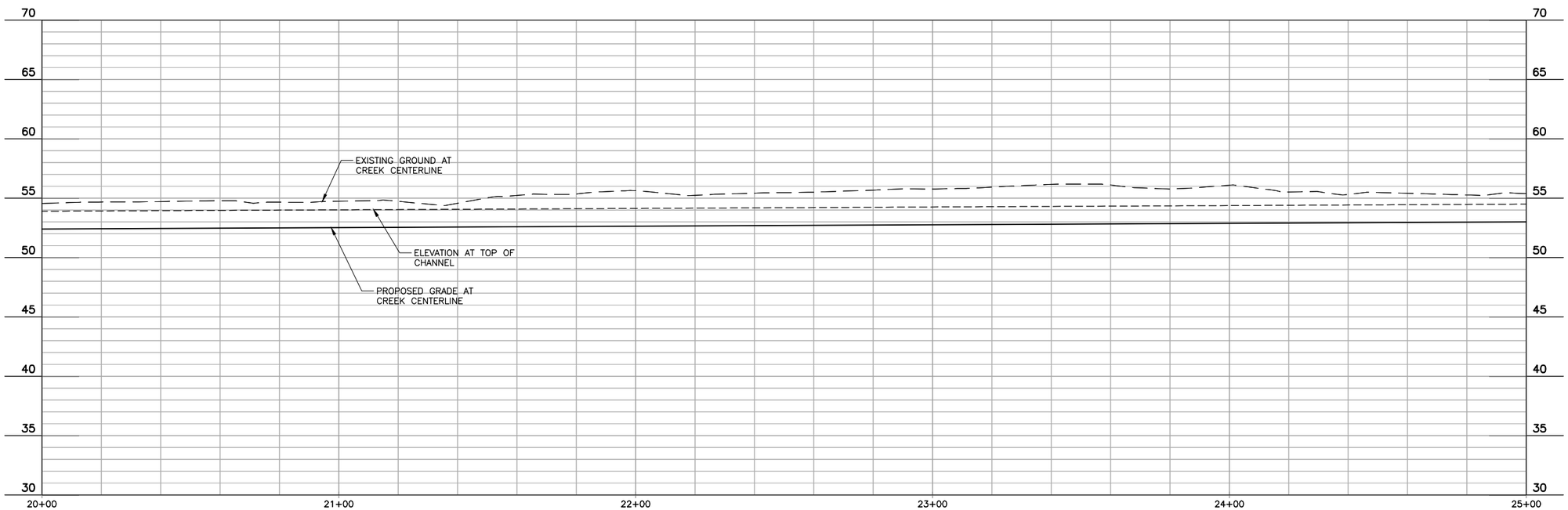


PLAN
SCALE: 1"=20'



PROFILE
SCALE: H1"=20', V1"=5'

GENERAL NOTES:

1. XXX.
2. XXX.

DATUM
HORIZONTAL DATUM: NAD '83/91, WASHINGTON STATE PLANE, NORTH ZONE
VERTICAL DATUM: NAVD '88

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HDR Engineering, Inc.

ISSUE	DATE	DESCRIPTION
A	07\31\2014	30% DESIGN SUBMITTAL

PROJECT MANAGER	B. PETERSON
DESIGNED	M. GARELLO
DRAWN	M. NAGAMATSU
CHECKED	M. GARELLO
PROJECT NUMBER	203107

CityofRedmond WASHINGTON

EVANS CREEK RELOCATION

CITY OF REDMOND

PLAN AND PROFILE
STA 20+00 TO 25+00

0 1" 2"

FILENAME	01CV06.dwg
SCALE	1"=20' H : 1"=5' V

SHEET
01CV06
X of XX

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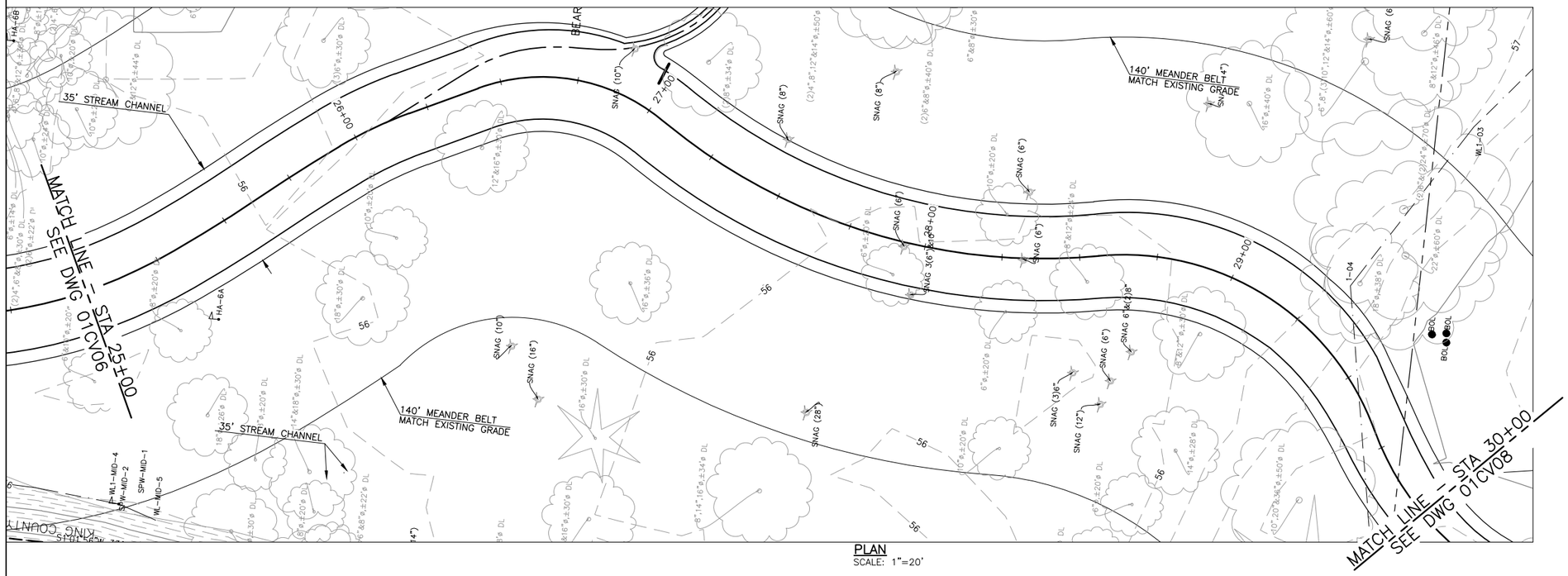
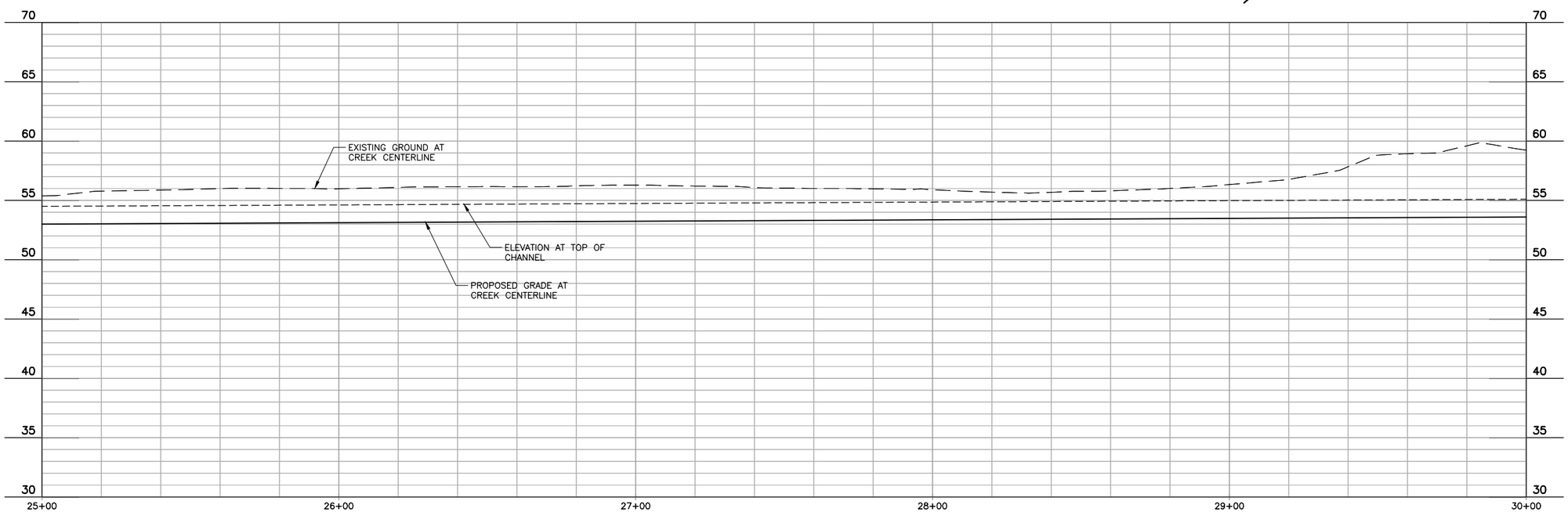


PLAN
SCALE: 1"=20'



PROFILE
SCALE: H1"=20', V1"=5'

GENERAL NOTES:

1. XXX.
2. XXX.

DATUM
HORIZONTAL DATUM: NAD '83/91, WASHINGTON STATE PLANE, NORTH ZONE
VERTICAL DATUM: NAVD '88

30% DESIGN

NOT FOR CONSTRUCTION

HDR Engineering, Inc.

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PROJECT MANAGER	B. PETERSON
DESIGNED	M. GARELLO
DRAWN	M. NAGAMATSU
CHECKED	S. CLINE
PROJECT NUMBER	203107

CityofRedmond WASHINGTON

EVANS CREEK RELOCATION

CITY OF REDMOND

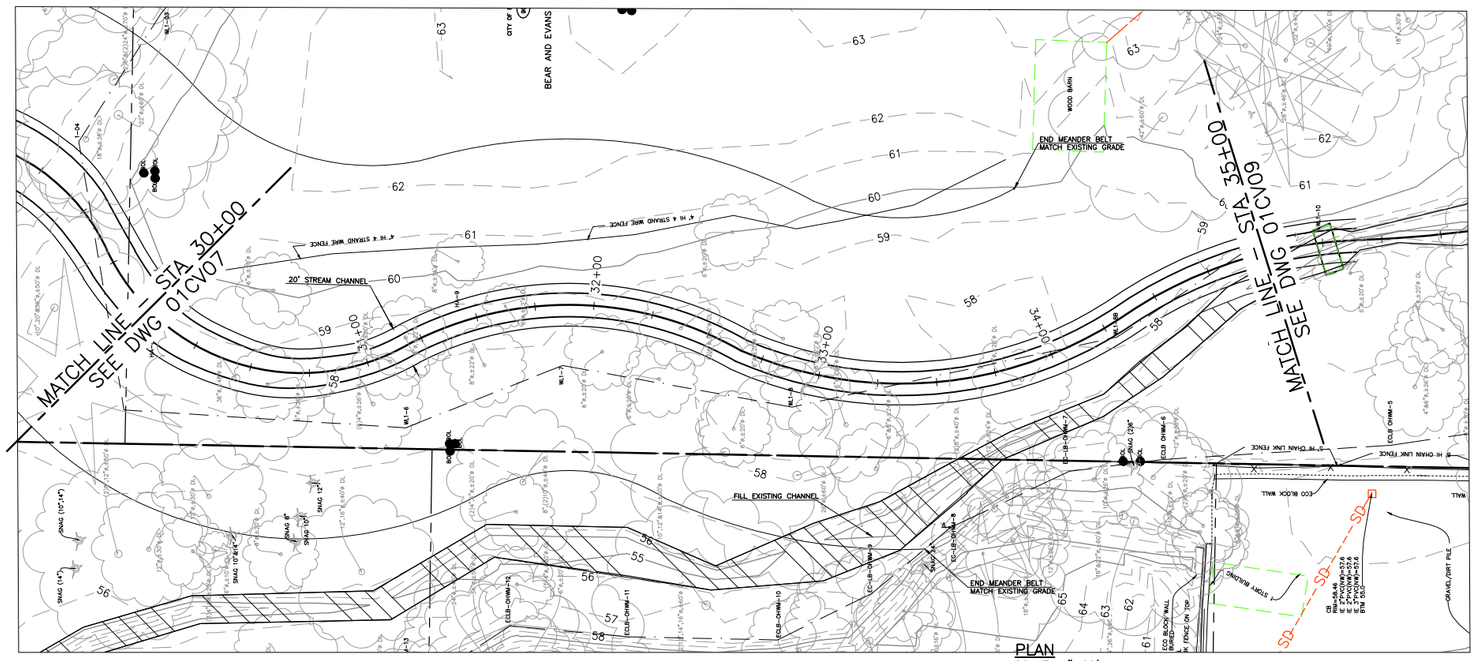
PLAN AND PROFILE STA 25+00 TO 30+00

0 1" 2"

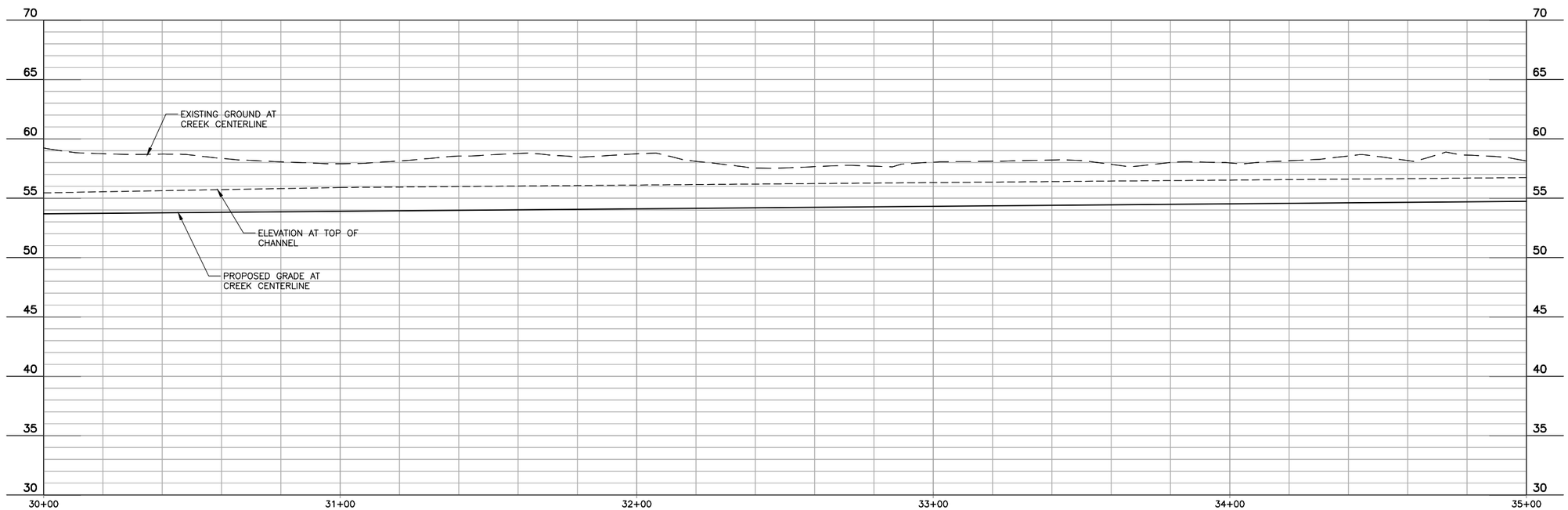
FILENAME	01CV07.dwg
SCALE	1"=20' H : 1"=5' V

SHEET **01CV07** X of XX

HDR C:\PWWORKING\seo\d1029983\01CV07.dwg PRINTED: 8/1/2014 11:06:00 AM BY: cfox



PLAN
SCALE: 1"=20'



PROFILE
SCALE: H1"=20', V1"=5'

GENERAL NOTES:

1. XXX.
2. XXX.

DATUM
HORIZONTAL DATUM: NAD '83/91, WASHINGTON STATE PLANE, NORTH ZONE
VERTICAL DATUM: NAVD '88

30% DESIGN
NOT FOR CONSTRUCTION

HDR Engineering, Inc.

ISSUE	DATE	DESCRIPTION
A	07\31\2014	30% DESIGN SUBMITTAL

PROJECT MANAGER	B. PETERSON
DESIGNED	M. GARELLO
DRAWN	M. NAGAMATSU
CHECKED	S. CLINE
PROJECT NUMBER	203107

CityofRedmond WASHINGTON

EVANS CREEK RELOCATION

CITY OF REDMOND

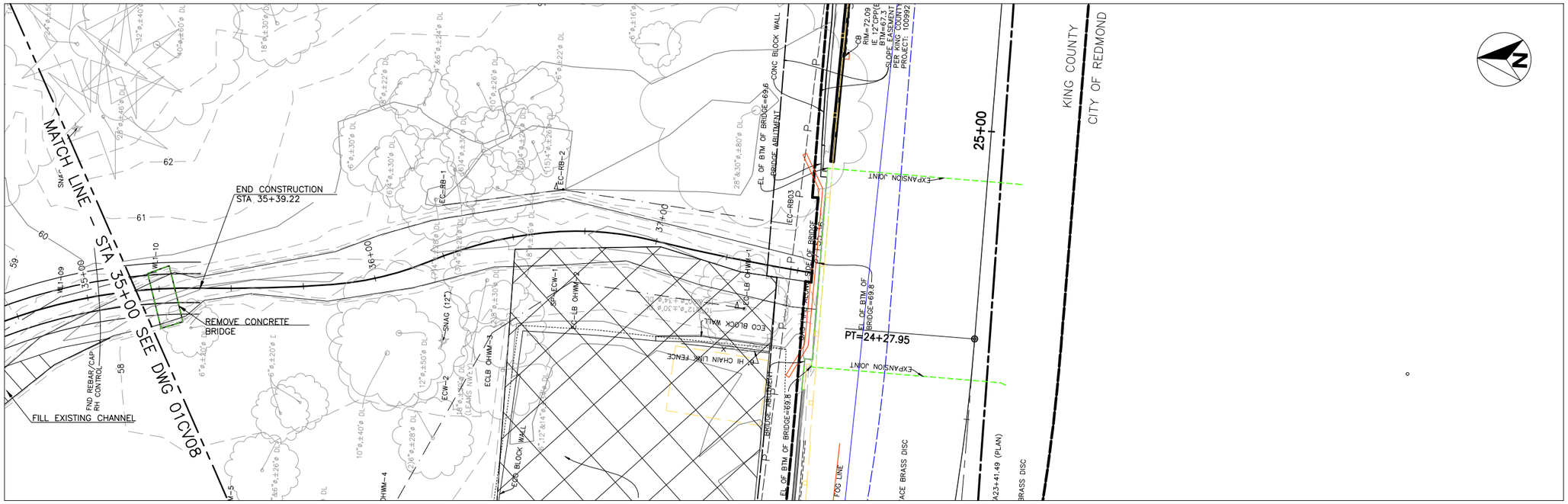
PLAN AND PROFILE
STA 30+00 TO 35+00

0 1" 2"

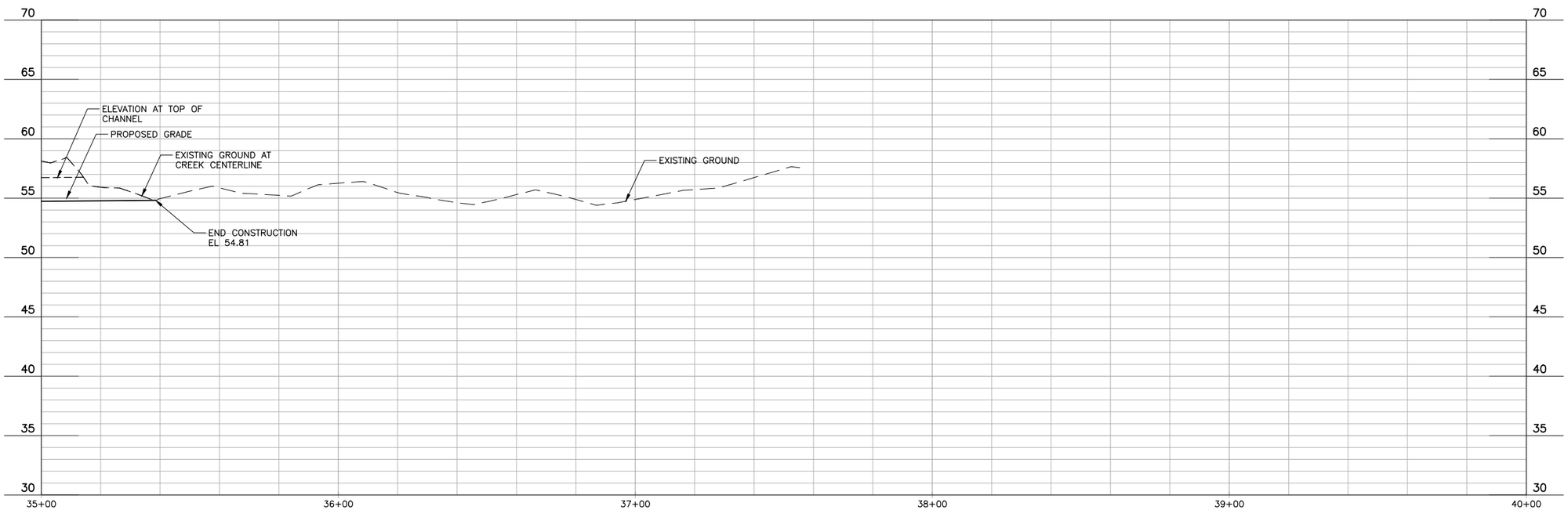
FILENAME	01CV08.dwg
SCALE	1"=20' H : 1"=5' V

SHEET **01CV08** X of XX

HDR C:\PWWORKING\seo\d1029963\01CV08.dwg PRINTED: 8/1/2014 11:06:16 AM BY: cfox



PLAN



PROFILE

GENERAL NOTES:

1. XXX.
2. XXX.

DATUM
HORIZONTAL DATUM: NAD '83/91, WASHINGTON STATE PLANE, NORTH ZONE
VERTICAL DATUM: NAVD '88

30% DESIGN

NOT FOR CONSTRUCTION

HDR Engineering, Inc.

ISSUE	DATE	DESCRIPTION
A	07\31\2014	30% DESIGN SUBMITTAL

PROJECT MANAGER	B. PETERSON
DESIGNED	X. XXXX
DRAWN	M. NAGAMATSU
CHECKED	S. CLINE
PROJECT NUMBER	203107

CityofRedmond WASHINGTON

EVANS CREEK RELOCATION

CITY OF REDMOND

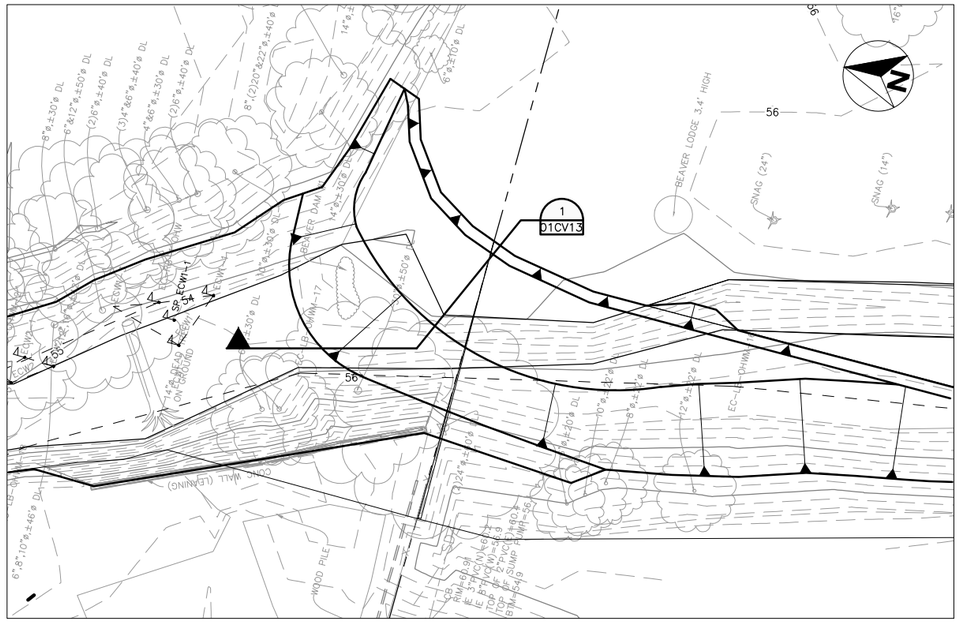
PLAN AND PROFILE STA 35+00 TO 40+00

0 1" 2"

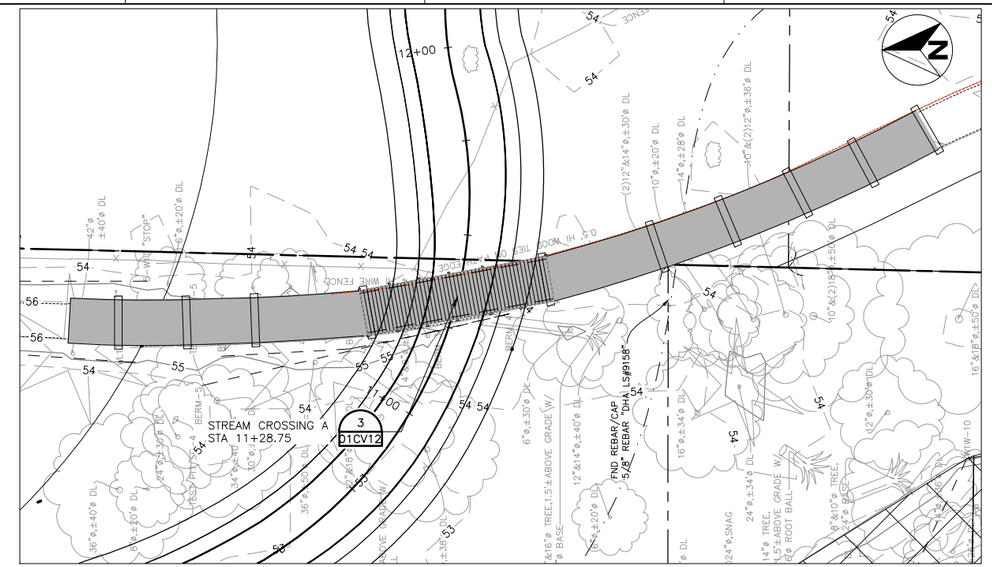
FILENAME	01CV09A.dwg
SCALE	1"=20' H : 1"=5' V

SHEET **01CV09** X of XX

HDR C:\PWWORKING\sea\d1029963\01CV09A.dwg PRINTED: 8/1/2014 11:06:33 AM BY: cfox



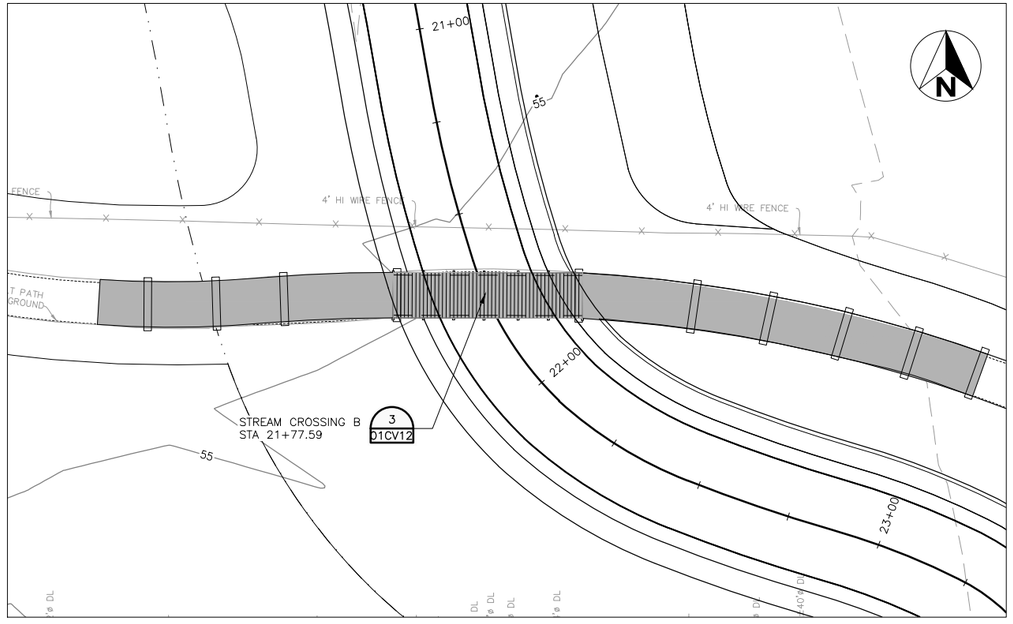
CHANNEL ISOLATION PLAN
SCALE: 1" = 20'
1
--



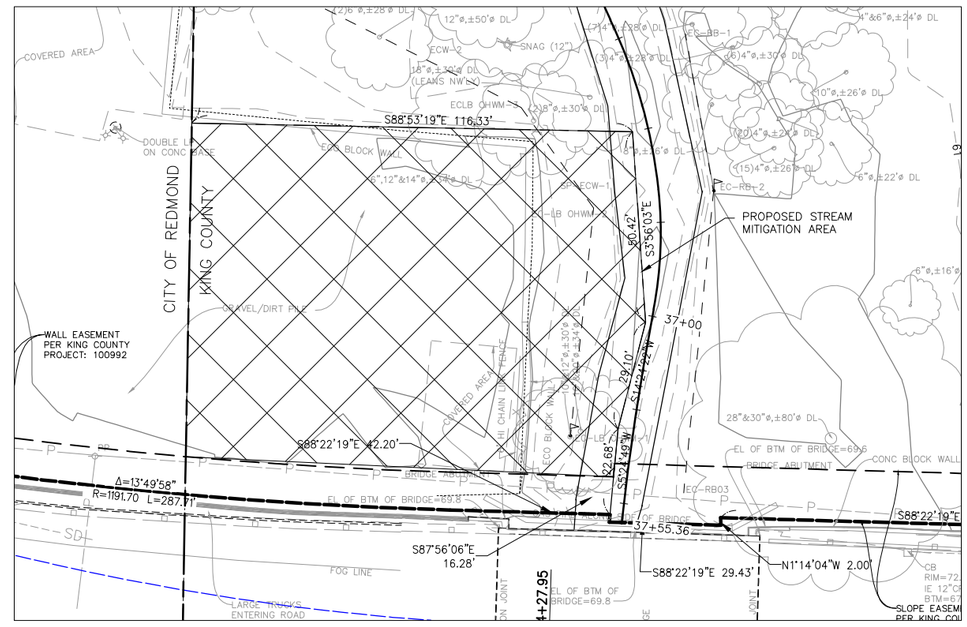
STREAM CROSSING PLAN
SCALE: 1" = 20'
2
--

GENERAL NOTES:

1. XXX.
2. XXX.



STREAM CROSSING PLAN
SCALE: 1" = 20'
3
--



MITIGATION PLAN
SCALE: 1" = 20'
4
--

STREAM CROSSING
STA 21+72.44

DATUM
HORIZONTAL DATUM: NAD '83/91, WASHINGTON STATE PLANE, NORTH ZONE
VERTICAL DATUM: NAVD '88

30% DESIGN
NOT FOR CONSTRUCTION

HDR Engineering, Inc.

ISSUE	DATE	DESCRIPTION
A	07\31\2014	30% DESIGN SUBMITTAL

PROJECT MANAGER	B. PETERSON
DESIGNED	M. GARELLO
DRAWN	M. NAGAMATSU
CHECKED	S. CLINE
PROJECT NUMBER	203107

CityofRedmond WASHINGTON

EVANS CREEK RELOCATION

CITY OF REDMOND

STREAM CROSSING AND PARTIAL PLANS

0 1" 2"

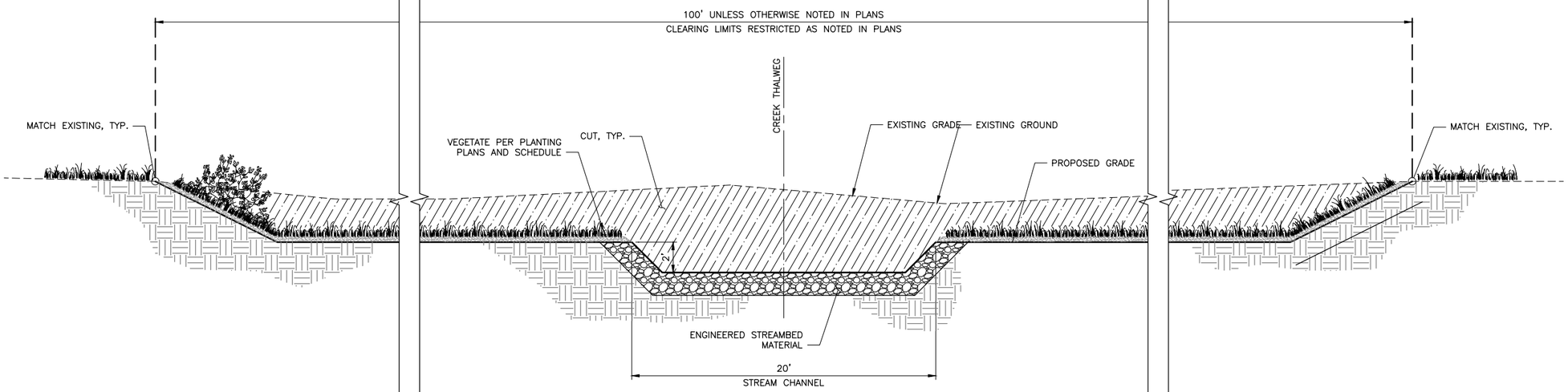
FILENAME	01CV10.dwg
SCALE	1"=20'

SHEET **01CV10** X of XX

HDR C:\PWWORKING\seo\d1029963\01CV10.dwg PRINTED: 8/1/2014 11:06:57 AM BY: cfox

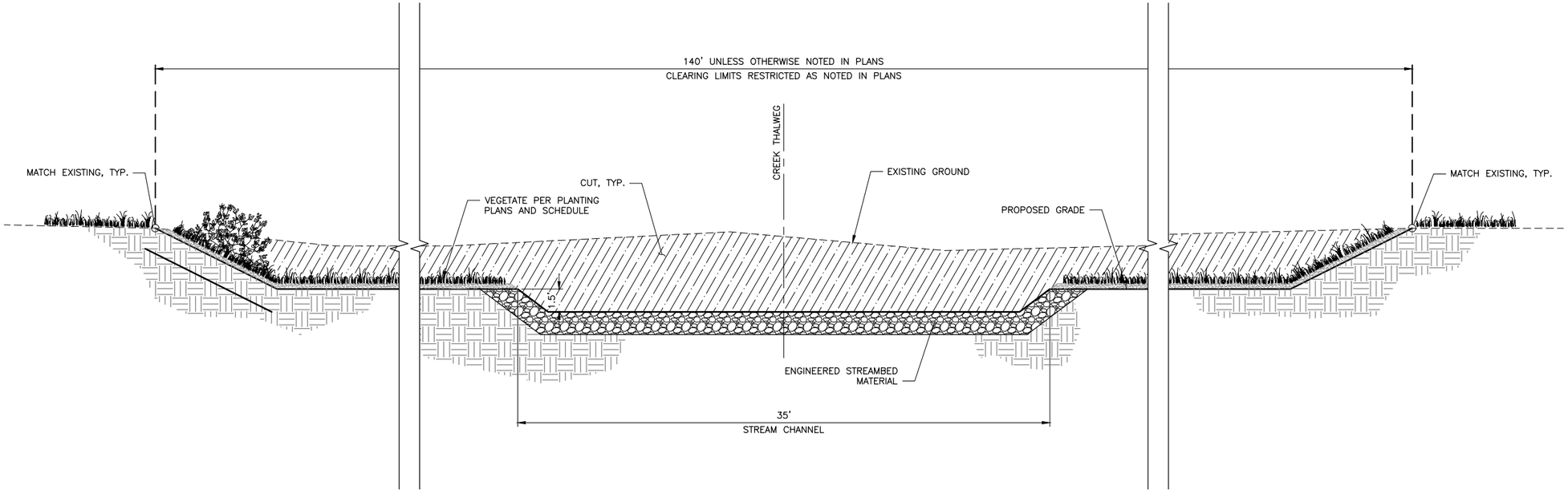
GENERAL NOTES:

1. XXX.
2. XXX.



TYPICAL CREEK SECTION (1)

SCALE: NO SCALE



TYPICAL CREEK SECTION (2)

SCALE: NO SCALE

DATUM
HORIZONTAL DATUM: NAD '83/91, WASHINGTON STATE PLANE, NORTH ZONE
VERTICAL DATUM: NAVD '88

30% DESIGN

NOT FOR CONSTRUCTION

HDR Engineering, Inc.

ISSUE	DATE	DESCRIPTION
A	07\31\2014	30% DESIGN SUBMITTAL

PROJECT MANAGER	B. PETERSON
DESIGNED	M. GARELLO
DRAWN	M. NAGAMATSU
CHECKED	S. CLINE
PROJECT NUMBER	203107

CityofRedmond WASHINGTON

EVANS CREEK RELOCATION

CITY OF REDMOND

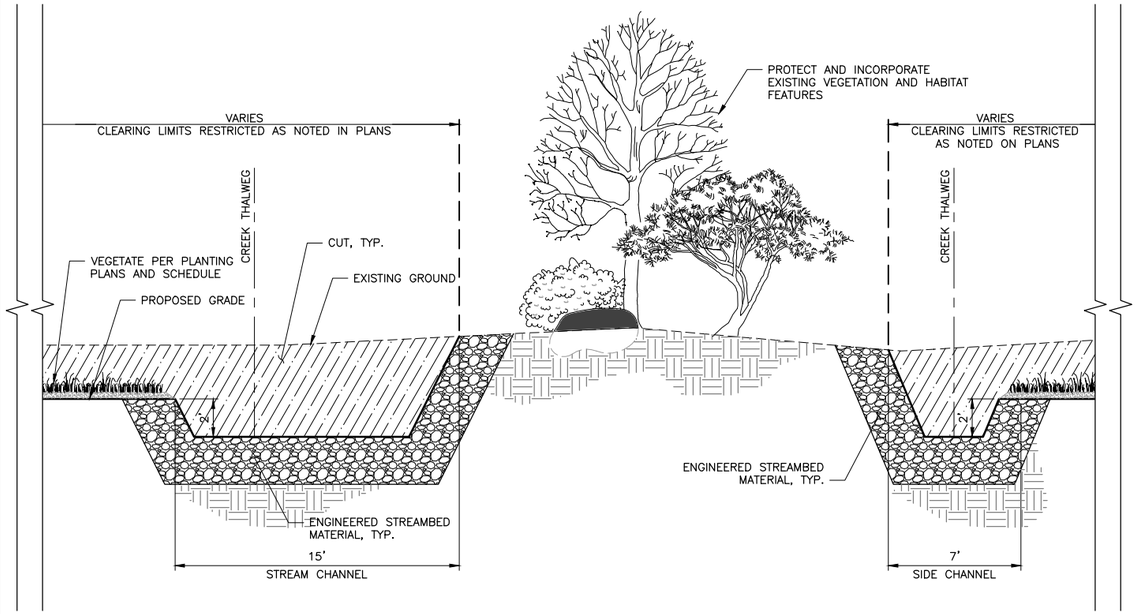
TYPICAL CREEK SECTIONS I

0 1" 2"

FILENAME	01CV11.dwg
SCALE	NONE

SHEET **01CV11** X of XX

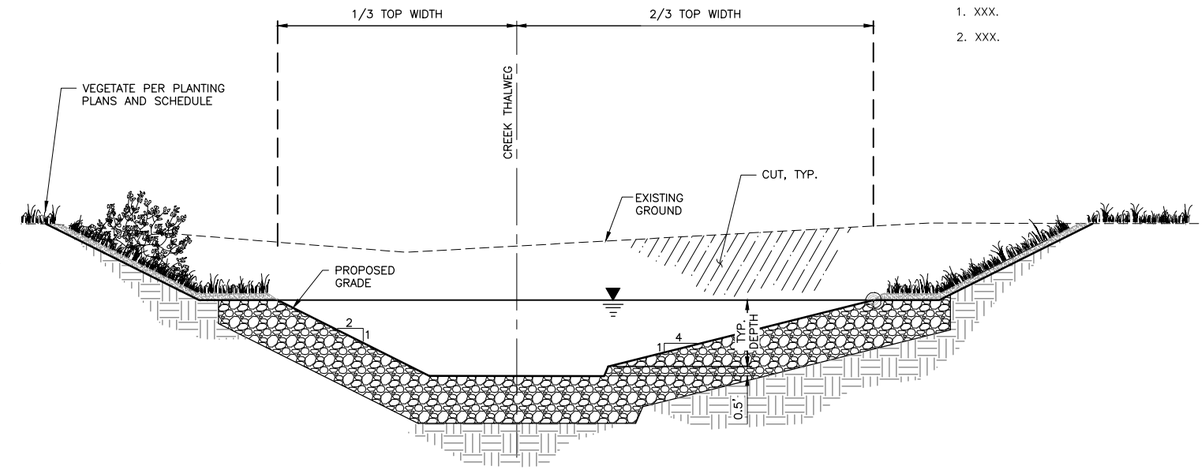
HDR C:\PWWORKING\sea\d1029963\01CV11.dwg PRINTED: 8/1/2014 11:07:03 AM BY: cfox



TYPICAL CREEK SECTION

3 –

SCALE: NO SCALE



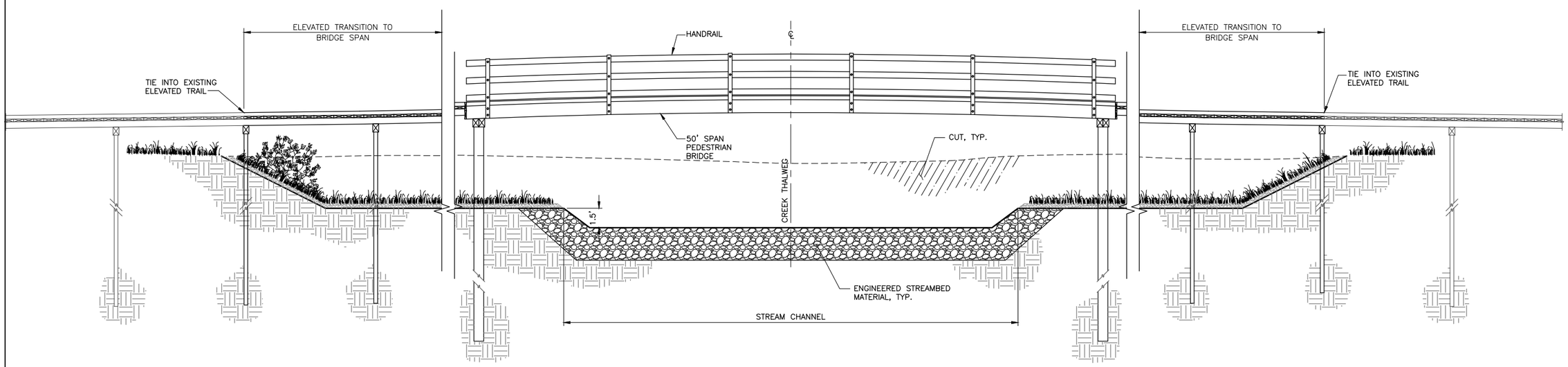
TYPICAL POOL SECTION

4 –

SCALE: NO SCALE

GENERAL NOTES:

1. XXX.
2. XXX.



TYPICAL STREAM CROSSING SECTION

5 –

SCALE: NO SCALE

DATUM
HORIZONTAL DATUM: NAD '83/91, WASHINGTON STATE PLANE, NORTH ZONE
VERTICAL DATUM: NAVD '88

30% DESIGN

NOT FOR CONSTRUCTION

HDR Engineering, Inc.

ISSUE	DATE	DESCRIPTION
A	07\31\2014	30% DESIGN SUBMITTAL

PROJECT MANAGER	B. PETERSON
DESIGNED	M. GARELLO
DRAWN	M. NAGAMATSU
CHECKED	S. CLINE
PROJECT NUMBER	203107

CityofRedmond WASHINGTON

EVANS CREEK RELOCATION

CITY OF REDMOND

TYPICAL CREEK SECTIONS II

0 1" 2"

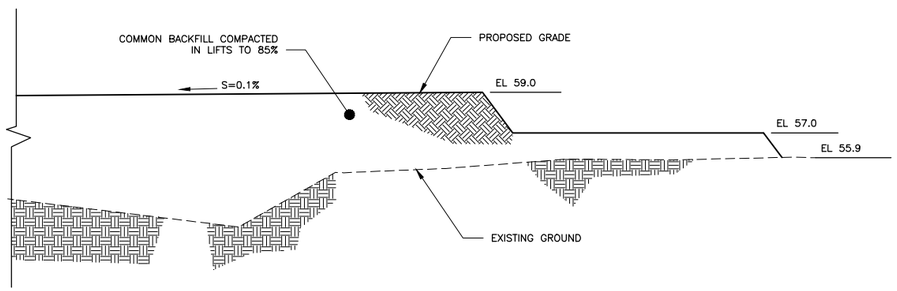
FILENAME	01CV12.dwg
SCALE	NONE

SHEET **01CV12** X of XX

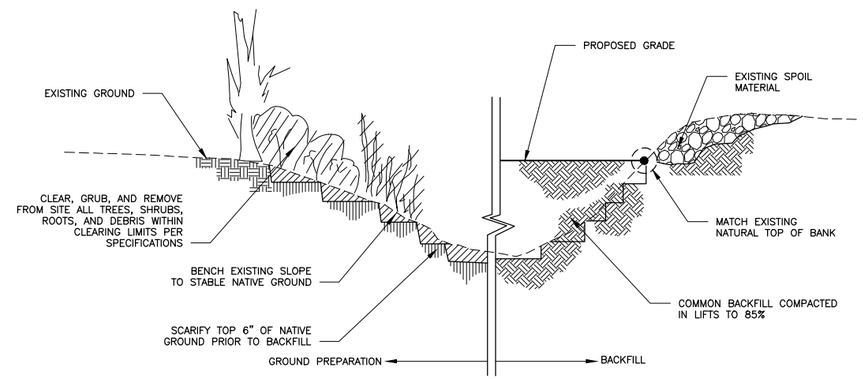
HDR C:\PWWORKING\sea\d1029963\01CV12.dwg PRINTED: 8/1/2014 11:07:08 AM BY: cfox

GENERAL NOTES:

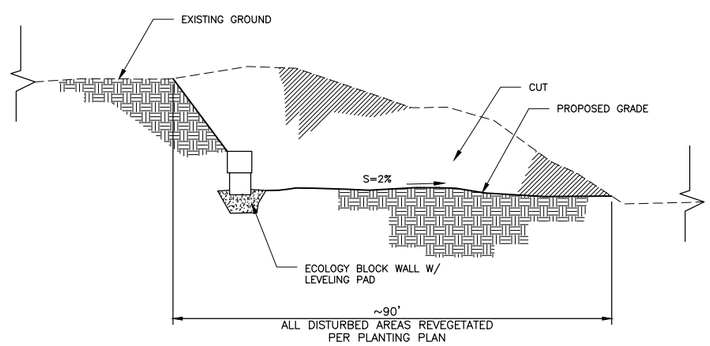
1. XXX.
2. XXX.



AT PROPOSED CREEK FILL AREA SECTION (1 / 01CV10)
SCALE: NO SCALE



TYPICAL CREEK FILL SECTION (2 / 01CV10)
SCALE: NO SCALE



PROPOSED CREEK MITIGATION AREA (3 / 01CV01)
SCALE: NO SCALE

DATUM
HORIZONTAL DATUM: NAD '83/91, WASHINGTON STATE PLANE, NORTH ZONE
VERTICAL DATUM: NAVD '88

30% DESIGN
NOT FOR CONSTRUCTION

HDR Engineering, Inc.

ISSUE	DATE	DESCRIPTION
A	07\31\2014	30% DESIGN SUBMITTAL

PROJECT MANAGER	B. PETERSON
DESIGNED	M. GARELLO
DRAWN	M. NAGAMATSU
CHECKED	S. CLINE
PROJECT NUMBER	203107

CityofRedmond WASHINGTON

EVANS CREEK RELOCATION

CITY OF REDMOND

TYPICAL CREEK SECTIONS III

0 1" 2"

FILENAME	01CV13.dwg
SCALE	NONE

SHEET **01CV13** X of XX

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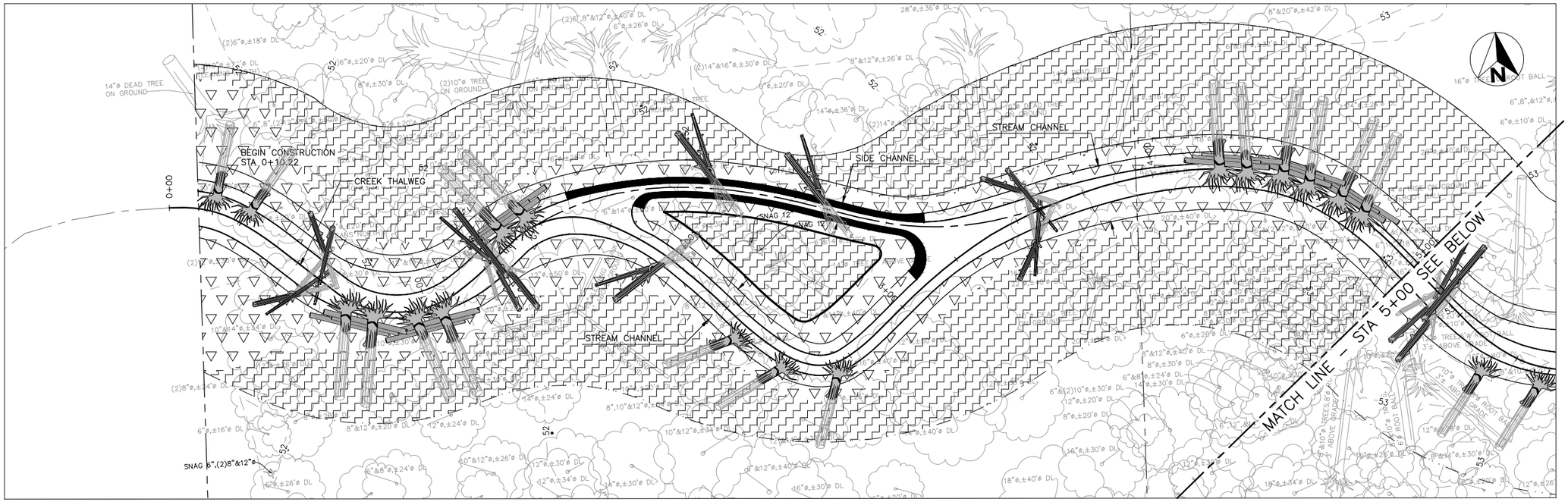
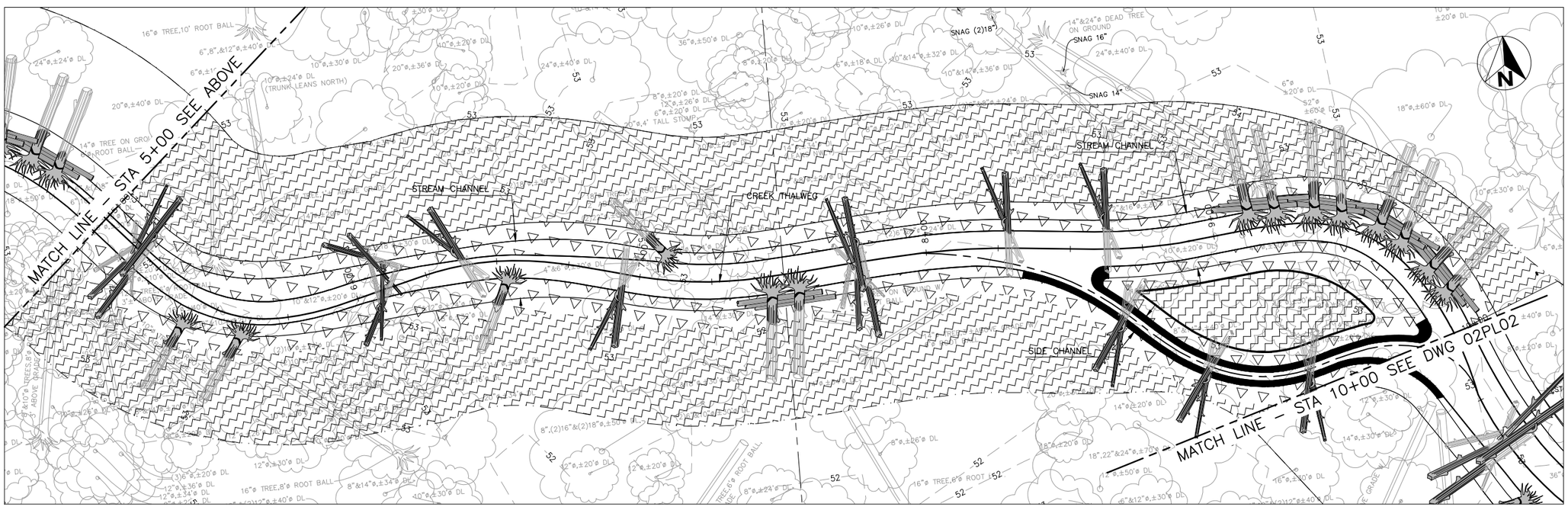


PLANTING PLAN



PLANTING PLAN

GENERAL NOTES:

1. SEE 02PL09 AND 02PL10 FOR PLANTING SCHEDULE & DETAILS.

LEGEND:

- COIR LOG
- STREAM BANK MIX
- FORESTED WETLAND MIX B

DATUM
HORIZONTAL DATUM: NAD '83/91, WASHINGTON STATE PLANE, NORTH ZONE
VERTICAL DATUM: NAVD '88

30% DESIGN

NOT FOR CONSTRUCTION

HDR Engineering, Inc.

ISSUE	DATE	DESCRIPTION
A	07\31\2014	30% DESIGN SUBMITTAL

PROJECT MANAGER	B. PETERSON
DESIGNED	M. GARELLO
DRAWN	M. NAGAMATSU
CHECKED	M. GARELLO
PROJECT NUMBER	203107

CityofRedmond WASHINGTON

EVANS CREEK RELOCATION

CITY OF REDMOND

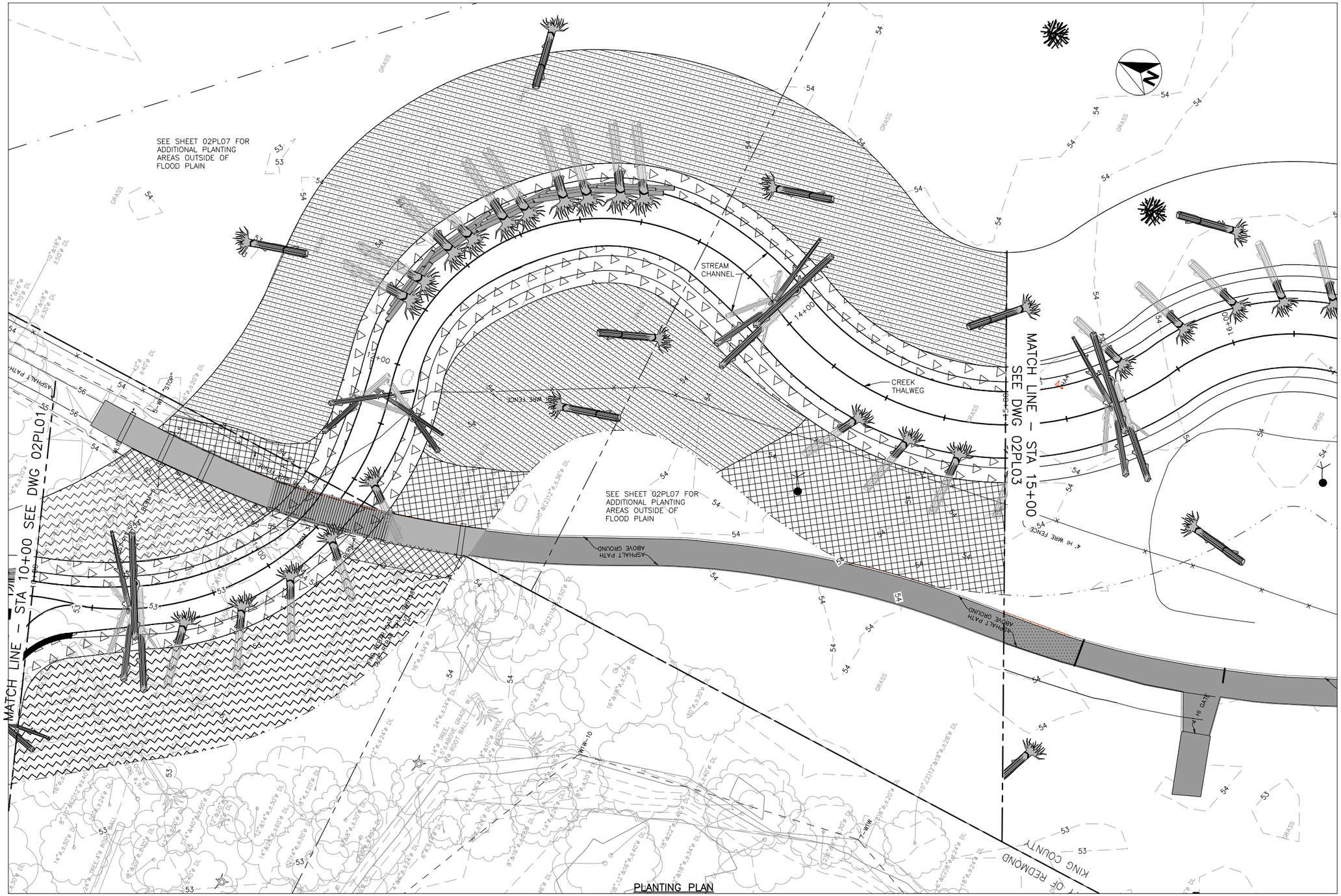
PLANTING PLAN
STA 0+00 TO 10+00

0 1" 2"

FILENAME	02PL01.dwg
SCALE	1"=20'

SHEET **02PL01** X of XX

HDR C:\PWWORKING\seo\d1029964\02PL01.dwg PRINTED: 8/1/2014 11:07:42 AM BY: cfox



PLANTING PLAN

GENERAL NOTES:

1. SEE 02PL09 AND 02PL10 FOR PLANTING SCHEDULE & DETAILS.

LEGEND:

- STREAM BANK MIX
- FORESTED WETLAND MIX A
- FORESTED WETLAND MIX B
- SCRUB SHRUB WETLAND MIX
- BRUSH PILE
- HABITAT LOG
- VERTICAL SNAG

DATUM
HORIZONTAL DATUM: NAD '83/91, WASHINGTON STATE PLANE, NORTH ZONE
VERTICAL DATUM: NAVD '88

30% DESIGN
NOT FOR CONSTRUCTION

HDR Engineering, Inc.

ISSUE	DATE	DESCRIPTION
A	07\31\2014	30% DESIGN SUBMITTAL

PROJECT MANAGER	B. PETERSON
DESIGNED	X. XXXX
DRAWN	M. NAGAMATSU
CHECKED	X. XXXX
PROJECT NUMBER	203107

CityofRedmond WASHINGTON

EVANS CREEK RELOCATION

CITY OF REDMOND

PLANTING PLAN
STA 10+00 TO 15+00

0 1" 2"

FILENAME	02PL02.dwg
SCALE	1"=20'

SHEET **02PL02** X of XX

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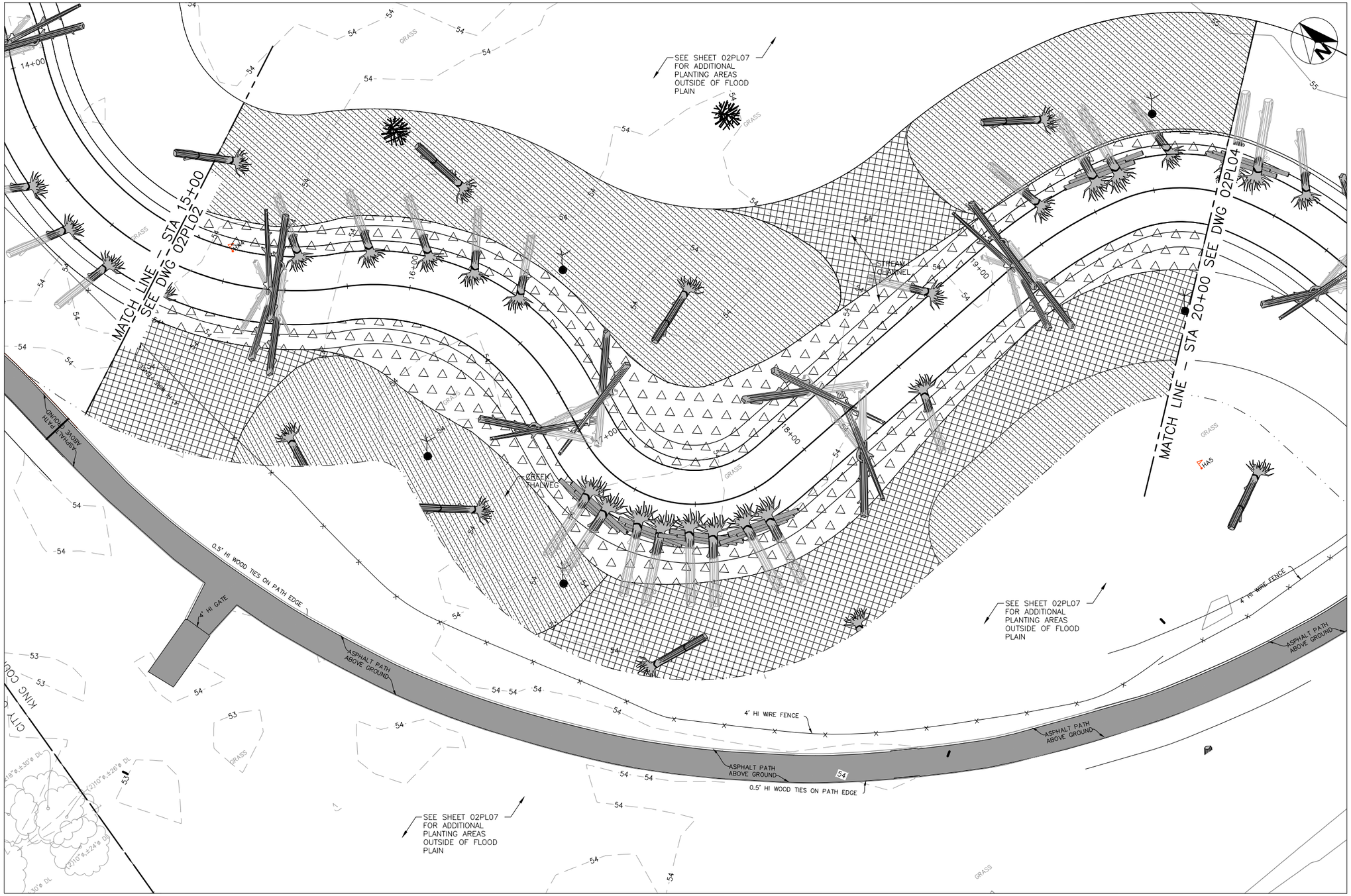

PLANTING PLAN

GENERAL NOTES:

1. SEE 02PL09 AND 02PL10 FOR PLANTING SCHEDULE & DETAILS.

LEGEND:

- STREAM BANK MIX
- FORESTED WETLAND MIX A
- SCRUB SHRUB WETLAND MIX
- RECONSTRUCTED PATH
- BRUSH PILE
- HABITAT LOG
- VERTICAL SNAG

DATUM
HORIZONTAL DATUM: NAD '83/91, WASHINGTON STATE PLANE, NORTH ZONE
VERTICAL DATUM: NAVD '88

30% DESIGN

NOT FOR CONSTRUCTION

HDR Engineering, Inc.

ISSUE	DATE	DESCRIPTION
A	07\31\2014	30% DESIGN SUBMITTAL

PROJECT MANAGER	B. PETERSON
DESIGNED	X. XXXX
DRAWN	M. NAGAMATSU
CHECKED	X. XXXX
PROJECT NUMBER	203107

CityofRedmond WASHINGTON

EVANS CREEK RELOCATION

CITY OF REDMOND

PLANTING PLAN
STA 15+00 TO 20+00

0 1" 2"

FILENAME	02PL03.dwg
SCALE	1"=20'

SHEET **02PL03** X of XX

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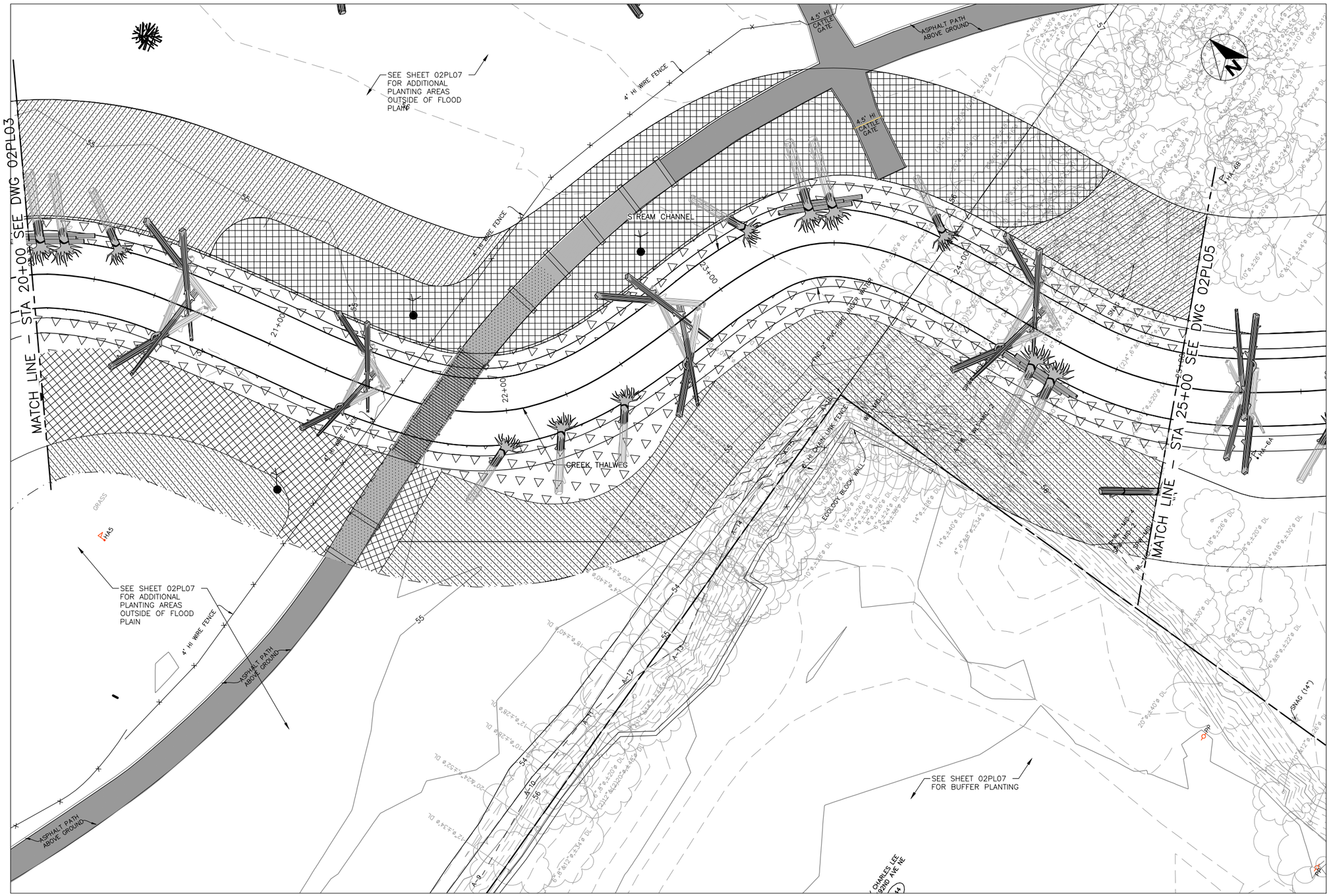


PLANTING PLAN

GENERAL NOTES:

1. SEE 02PL09 AND 02PL10 FOR PLANTING SCHEDULE & DETAILS.

LEGEND:

- STREAM BANK PLANTING MIX
- FORESTED WETLAND MIX A
- SCRUB SHRUB WETLAND MIX
- UPLAND FOREST MIX
- BRUSH PILE
- HABITAT LOG
- VERTICAL SNAG

DATUM
HORIZONTAL DATUM: NAD '83/91, WASHINGTON STATE PLANE, NORTH ZONE
VERTICAL DATUM: NAVD '88

30% DESIGN

NOT FOR CONSTRUCTION

HDR Engineering, Inc.

ISSUE	DATE	DESCRIPTION
A	07\31\2014	30% DESIGN SUBMITTAL

PROJECT MANAGER	B. PETERSON
DESIGNED	M. GARELLO
DRAWN	M. NAGAMATSU
CHECKED	M. GARELLO
PROJECT NUMBER	203107

CityofRedmond WASHINGTON

EVANS CREEK RELOCATION

CITY OF REDMOND

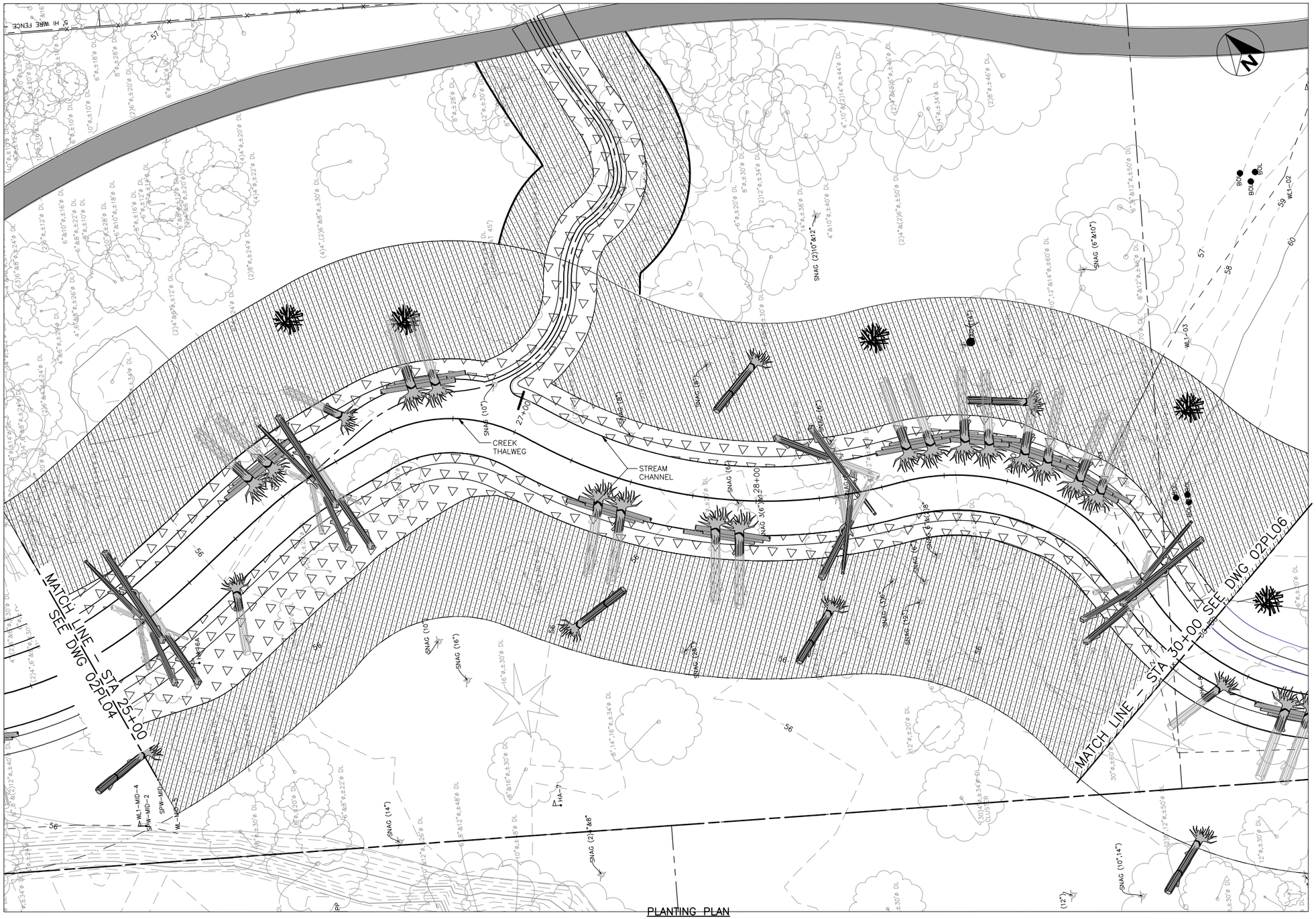
PLANTING PLAN STA 20+00 TO 25+00

0 1" 2"

FILENAME	02PL04.dwg
SCALE	1"=20'

SHEET **02PL04** X of XX

HDR C:\PWWORKING\seo\d1029964\02PL04.dwg PRINTED: 8/1/2014 11:08:32 AM BY: cfox



PLANTING PLAN

GENERAL NOTES:

1. SEE 02PL09 AND 02PL10 FOR PLANTING SCHEDULE & DETAILS.

LEGEND:

- STREAM BANK PLANTING MIX
- FORESTED WETLAND MIX A
- UPLAND FOREST MIX
- BRUSH PILE
- HABITAT LOG
- VERTICAL SNAG

DATUM
HORIZONTAL DATUM: NAD '83/91, WASHINGTON STATE PLANE, NORTH ZONE
VERTICAL DATUM: NAVD '88

30% DESIGN

NOT FOR CONSTRUCTION

HDR Engineering, Inc.

ISSUE	DATE	DESCRIPTION
A	07\31\2014	30% DESIGN SUBMITTAL

PROJECT MANAGER	B. PETERSON
DESIGNED	M. GARELLO
DRAWN	M. NAGAMATSU
CHECKED	M. GARELLO
PROJECT NUMBER	203107

CityofRedmond WASHINGTON

EVANS CREEK RELOCATION

CITY OF REDMOND

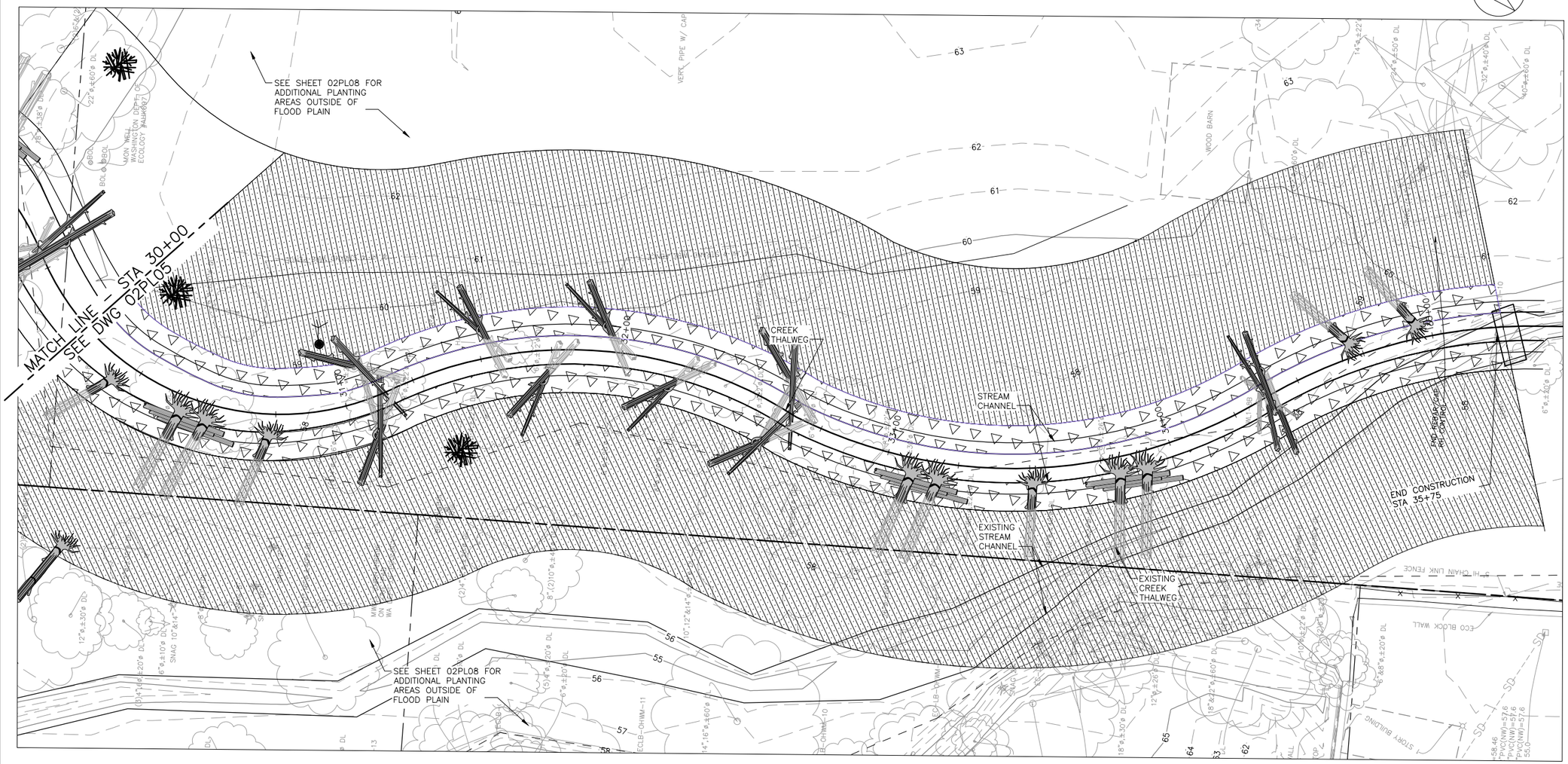
PLANTING PLAN
STA 25+00 TO 30+00

0 1" 2"

FILENAME	02PL05.dwg
SCALE	1"=20'

SHEET **02PL05** X of XX

HDR C:\PWWORKING\sea\d1029964\02PL05.dwg PRINTED: 8/1/2014 11:08:46 AM BY: cfox



GENERAL NOTES:

1. SEE 02PL09 AND 02PL10 FOR PLANTING SCHEDULE & DETAILS.

LEGEND:

- STREAM BANK PLANTING MIX
- FORESTED WETLAND MIX A
- BRUSH PILE
- HABITAT LOG
- VERTICAL SNAG

DATUM
HORIZONTAL DATUM: NAD '83/91, WASHINGTON STATE PLANE, NORTH ZONE
VERTICAL DATUM: NAVD '88

30% DESIGN

NOT FOR CONSTRUCTION

PLANTING PLAN

HDR Engineering, Inc.

ISSUE	DATE	DESCRIPTION
A	07\31\2014	30% DESIGN SUBMITTAL

PROJECT MANAGER	B. PETERSON
DESIGNED	M. GARELLO
DRAWN	M. NAGAMATSU
CHECKED	M. GARELLO
PROJECT NUMBER	203107

City of Redmond WASHINGTON

EVANS CREEK RELOCATION

CITY OF REDMOND

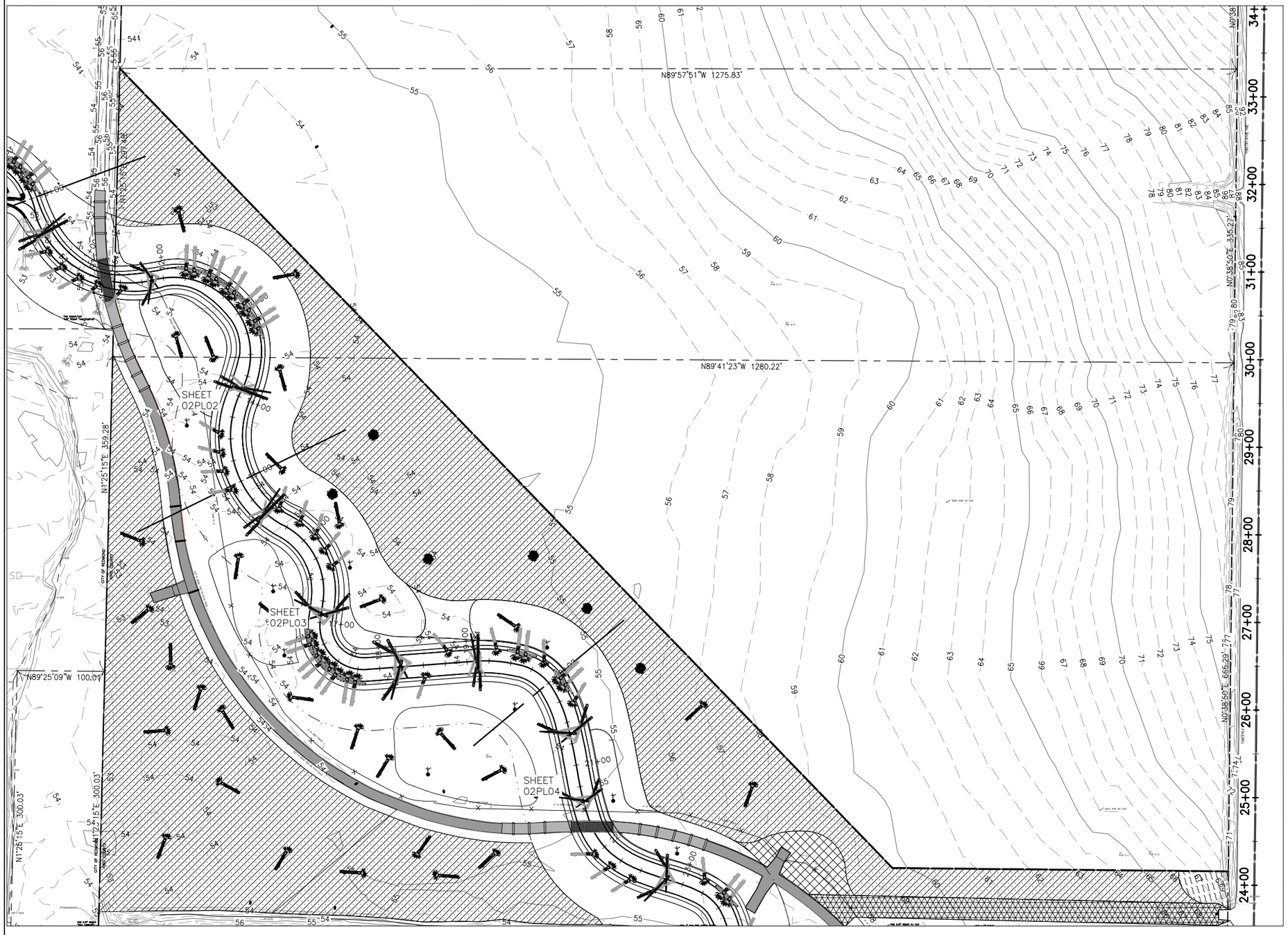
PLANTING PLAN STA 30+00 TO 36+00

0 1" 2"

FILENAME	02PL06.dwg
SCALE	1"=20'

SHEET **02PL06** X of XX

HDR C:\PWWORKING\eo\d1029964\02PL06.dwg PRINTED: 8/1/2014 11:09:00 AM BY: cfox



PLANTING PLAN

GENERAL NOTES:

1. SEE 02PL09 AND 02PL10 FOR PLANTING SCHEDULE & DETAILS.

LEGEND:

- FORESTED WETLAND MIX A
- RESTORE CONSTRUCTION ACCESS WITH LOW GROW SEED MIX
- UPLAND FOREST MIX
- SCRUB-SHRUB WETLAND MIX
- BRUSH PILE
- HABITAT LOG
- VERTICAL SNAG

DATUM
HORIZONTAL DATUM: NAD '83/91, WASHINGTON STATE PLANE, NORTH ZONE
VERTICAL DATUM: NAVD '88

30% DESIGN

NOT FOR CONSTRUCTION

HDR Engineering, Inc.

ISSUE	DATE	DESCRIPTION
A	07\31\2014	30% DESIGN SUBMITTAL

PROJECT MANAGER	B. PETERSON
DESIGNED	M. GARELLO
DRAWN	M. NAGAMATSU
CHECKED	S. CLINE
PROJECT NUMBER	203107

CityofRedmond WASHINGTON

EVANS CREEK RELOCATION

CITY OF REDMOND

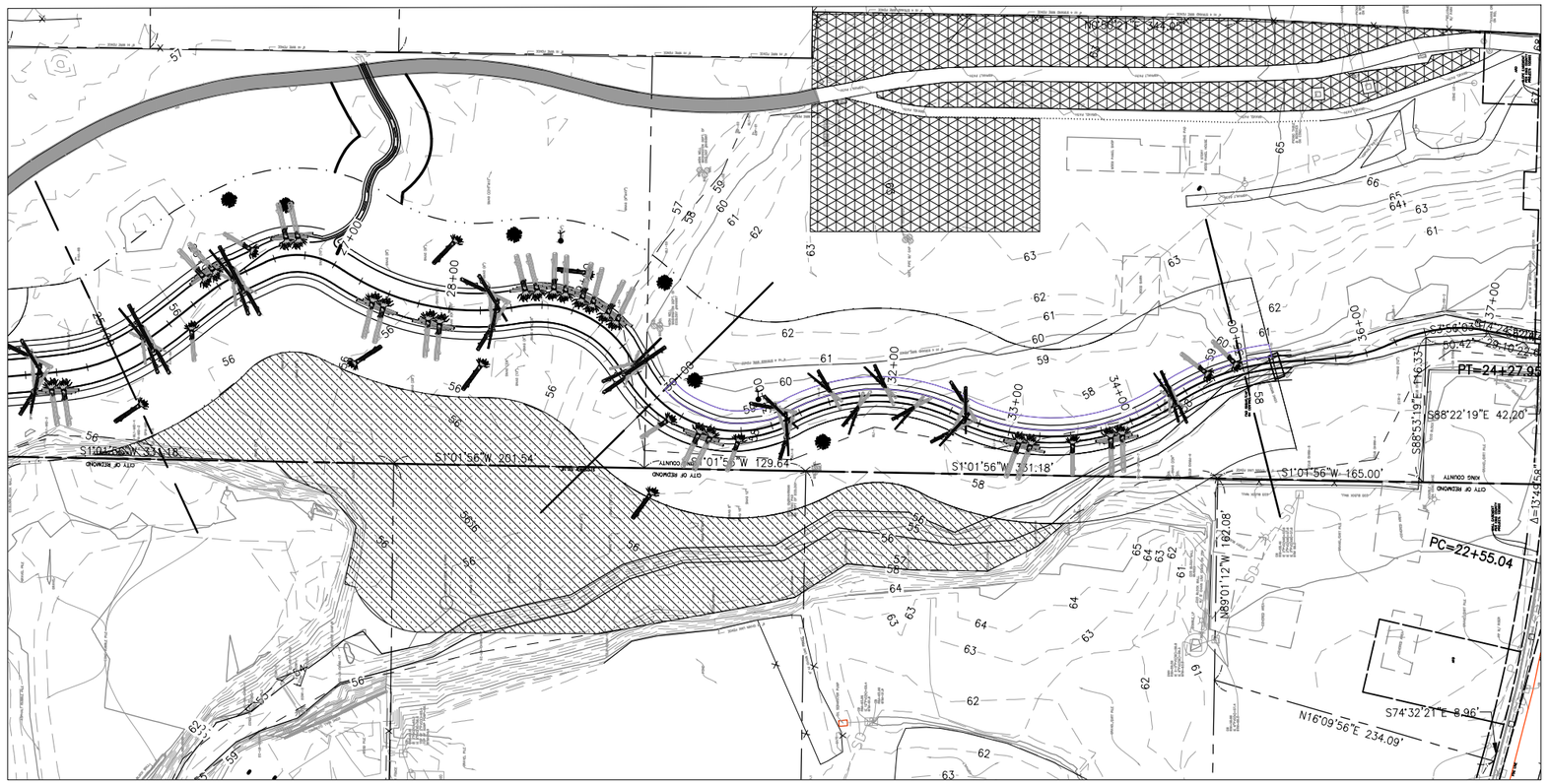
PLANTING PLAN I
CONSTRUCTION ACCESS AND PROPERTY

0 1" 2"

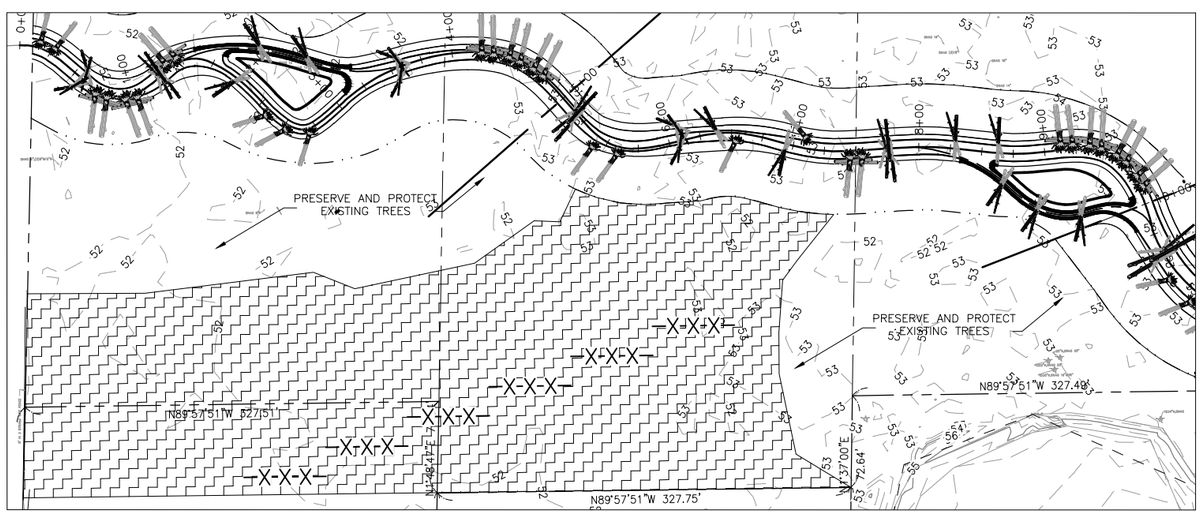
FILENAME	02PL07.dwg
SCALE	1"=60'

SHEET **02PL07** X of XX

HDR C:\PWWORKING\seo\d1029964\02PL07.dwg PRINTED: 8/1/2014 11:09:15 AM BY: cfox



PLANTING PLAN



PLANTING PLAN

GENERAL NOTES:

1. SEE 02PL09 AND 02PL10 FOR PLANTING SCHEDULE & DETAILS.
2. FLOOD PLAIN PLANTING DETAILS SHOWN ON SHEET 02PL01 THRU 02PL06.

LEGEND:

- FORESTED WETLAND MIX A
- FORESTED WETLAND MIX B
- RESTORE CONSTRUCTION ACCESS WITH LOW GROW SEED MIX
- BRUSH PILE
- HABITAT LOG
- VERTICAL SNAG
- —X-X-X— LIVE DEBRIS FENCE

DATUM
HORIZONTAL DATUM: NAD '83/91, WASHINGTON STATE PLANE, NORTH ZONE
VERTICAL DATUM: NAVD '88

30% DESIGN

NOT FOR CONSTRUCTION

HDR Engineering, Inc.

ISSUE	DATE	DESCRIPTION
A	07\31\2014	30% DESIGN SUBMITTAL

PROJECT MANAGER	B. PETERSON
DESIGNED	M. GARELLO
DRAWN	M. NAGAMATSU
CHECKED	M. GARELLO
PROJECT NUMBER	203107

CityofRedmond WASHINGTON

EVANS CREEK RELOCATION

CITY OF REDMOND

PLANTING PLAN
CONSTRUCTION ACCESS AND PROPERTY

0 1" 2"

FILENAME	02PL08.dwg
SCALE	1"=60'

SHEET **02PL08** X of XX

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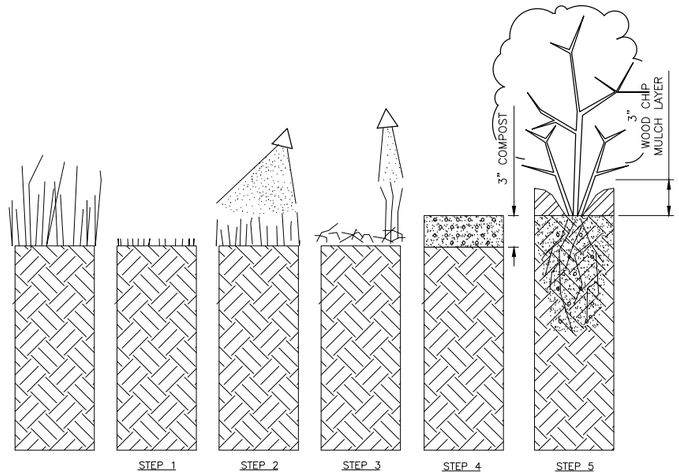

PLANTING AREA PREPARATION
(SEE GENERAL RESTORATION PLANTING NOTES)

STEP 1

APRIL 15 TO JUNE 30: CUT NOXIOUS AND UNWANTED VEGETATION TO THE GROUND AND REMOVE DEBRIS FROM SITE

STEP 2

AFTER A MINIMUM OF 12" OF RE-GROWTH, OR A MINIMUM OF ONE MONTH SPRAY REGROWTH WITH HERBICIDE

STEP 3

FOLLOWING A MINIMUM OF SIX WEEKS BUT NOT LATER THAN SEPTEMBER 15, SPOT-SPRAY RE-GROWTH WITH HERBICIDE

STEP 4

2 WEEKS MINIMUM POST SPOT-SPRAYING PLACE 3" DEPTH MEDIUM COMPOST ACCORDING TO STD SPEC SECTION 8-02.3(6)

STEP 5

POCKET PLANT PLANTING MATERIAL THROUGH COMPOST AND INSTALL 3" DEPTH BARK OR WOOD CHIP MULCH ACCORDING TO STD SPEC SECTION 8-02.3(11) AND THE PLANTING DETAILS. SEE NOTE 3.

NOTES:

1. THIS SEQUENCE OF WORK SHALL APPLY TO ALL PLANTING AREAS.
2. THIS DETAIL FOR ORDER OF WORK ONLY. WEED CONTROL IN PLANTING AREAS SHALL BE IN ACCORDANCE WITH STD SPEC SECTION 8-02.3(3).
3. BARK OR WOOD CHIP MULCH SHALL BE APPLIED TO ALL AREAS EXCEPT STREAM BANK PLANTING MIX AREAS. REFER TO SPECIAL PROVISIONS.

PLANTING AREA WEED CONTROL & SOIL PREPARATION

1 / –

SCALE: NO SCALE

GENERAL RESTORATION PLANTING NOTES:

1. ALL RESTORATION WORK ELEMENTS SHALL COMPLY WITH WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) STANDARD SPECIFICATION FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION (2014 EDITION).
2. ALL PLANT MATERIAL SHALL CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK STANDARDS FOR PLANT MATERIAL, CURRENT EDITION.
3. SEE SPECIFICATIONS FOR ADDITIONAL PLANTING AREA PREPARATION AND WEED CONTROL REQUIREMENTS. HERBICIDE APPLICATION SHALL MEET LOCAL AND STATE CODES.
4. IMPORTED TOPSOILS SHALL MEET THE SPECIFICATIONS OF TOPSOIL TYPE A.

PLANTING SCHEDULE:

RESTORATION MIX	COMMON NAME	BOTANTICAL NAME	PERCENTAGE OF MIX	SPACING	SIZE	COMMENTS
FORESTED WETLAND MIX A	OREGON ASH	FRAXINUS LATIFOLIA	15%	8' O.C.	#2 CONT.	
	BLACK COTTONWOOD	POPULUS THRICHOCARPA	5%	8' O.C.	36" LIVE POLE	
	PACIFIC WILLOW	SALIX LASIANDRA	15%	8' O.C.	36" LIVE STAKE	
	SITKA WILLOW	SALIX SITCHENSIS	10%	3' O.C.	36" LIVE STAKE	
	SITKA SPRUCE	PICEA SITCHENSIS	5%	8' O.C.	#2 CONT.	
	RED-OSIER DOGWOOD	CORNUS SERICEA	15%	4' O.C.	#1 CONT.	
	TWINBERRY	LONICERA INVOLUCRATA	15%	4' O.C.	#1 CONT.	
	NINEBARK	PHYSOCARPUS CAPITATUS	10%	4' O.C.	#1 CONT.	
	PEAFRUIT ROSE	ROSA PISOCARPA	10%	4' O.C.	#1 CONT.	
FORESTED WETLAND MIX B	RED ALDER	ALNUS RUBRA	15%	8' O.C.	#2 CONT.	
	OREGON ASH	FRAXINUS LATIFOLIA	15%	8' O.C.	#2 CONT.	
	BLACK COTTONWOOD	POPULUS THRICHOCARPA	10%	8' O.C.	36" LIVE POLE	
	PACIFIC WILLOW	SALIX LASIANDRA	10%	8' O.C.	36" LIVE STAKE	
	SITKA WILLOW	SALIX SITCHENSIS	10%	3' O.C.	36" LIVE STAKE	
	SITKA SPRUCE	PICEA SITCHENSIS	5%	8' O.C.	#2 CONT.	
	WESTERN REDCEDAR	THUJA PLICATA	5%	8' O.C.	#2 CONT.	
	RED-OSIER DOGWOOD	CORNUS SERICEA	10%	4' O.C.	#1 CONT.	
	NINEBARK	PHYSOCARPUS CAPITATUS	5%	4' O.C.	#1 CONT.	
	SALMONBERRY	RUBUS SPECTABILIS	10%	4' O.C.	#1 CONT.	
	PEAFRUIT ROSE	ROSA PISOCARPA	5%	4' O.C.	#1 CONT.	
SCRUB SHRUB WETLAND MIX	RED-OSIER DOGWOOD	CORNUS SERICEA	25%	4' O.C.	#1 CONT.	
	TWINBERRY	LONICERA INVOLUCRATA	10%	4' O.C.	#1 CONT.	
	NINEBARK	PHYSOCARPUS CAPITATUS	10%	4' O.C.	#1 CONT.	
	PACIFIC WILLOW	SALIX LASIANDRA	25%	8' O.C.	36" LIVE STAKE	
	SALMONBERRY	RUBUS SPECTABILIS	20%	4' O.C.	#1 CONT.	
	PEAFRUIT ROSE	ROSA PISOCARPA	10%	4' O.C.	#1 CONT.	
STREAM BANK PLANTING MIX	SITKA WILLOW	SALIX SITCHENSIS	50%	1' OC	36" LIVE STAKE	
	REDOSIER DOGWOOD	CORNUS SERICEA	50%	1' OC	36" LIVE STAKE	
	WET NATIVE SEED MIX					SEE SPECIFICATIONS FOR MIX & APPLICATION RATE
UPLAND FOREST MIX	BIG LEAF MAPLE	ACERMACROPHYLLUM	15%	8' OC	#2 CONT	
	RED ALDER	ALNUS RUBRA	10%	8' OC	#2 CONT	
	DOUGLAS FIR	PSEUDOTSUGA MENZIESII	15%	8' OC	#2 CONT	
	VINE MAPLE	ACERCIRCINATUM	15%	4' OC	#1 CONT	
	BEAKED HAZELNUT	CORYLUS CORNUTA	10%	4' OC	#1 CONT	
	COMMON SNOWBERRY	SYMPHORICARPOS ALBUS	10%	4' OC	#1 CONT	
	OCEANSPRAY	HOLODISCUS DISCOLOR	15%	4' OC	#1 CONT	
	NOOTKA ROSE	ROSA NUTKANA	10%	4' OC	#1 CONT	
LOW GROW SEED MIX	PERENNIAL RYE	LOLIUM PERENNE	75%			SEE SPECIFICATIONS FOR APPLICATION RATE
	RED FESCUE	FESTUCA RUORA	20%			
	WHITE DUTCH CLOVER	TRIFOLIUM REPENS	5%			

30% DESIGN

NOT FOR CONSTRUCTION

HDR Engineering, Inc.

ISSUE	DATE	DESCRIPTION
A	07\31\2014	30% DESIGN SUBMITTAL

PROJECT MANAGER	B. PETERSON
DESIGNED	X. XXXX
DRAWN	M. NAGAMATSU
CHECKED	X. XXXX
PROJECT NUMBER	203107

CityofRedmond WASHINGTON

EVANS CREEK RELOCATION

CITY OF REDMOND

PLANTING SCHEDULE AND DETAILS

0 1" 2"

FILENAME 02PL09.dwg

SCALE

SHEET **02PL09** X of XX

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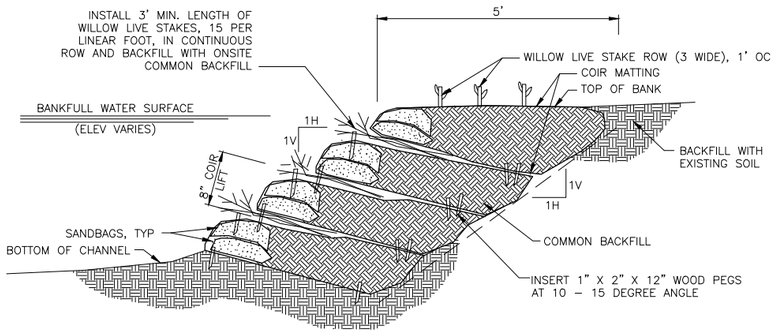
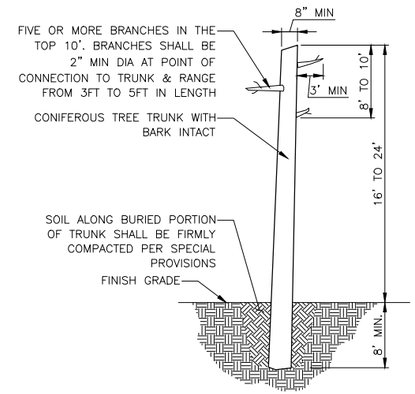
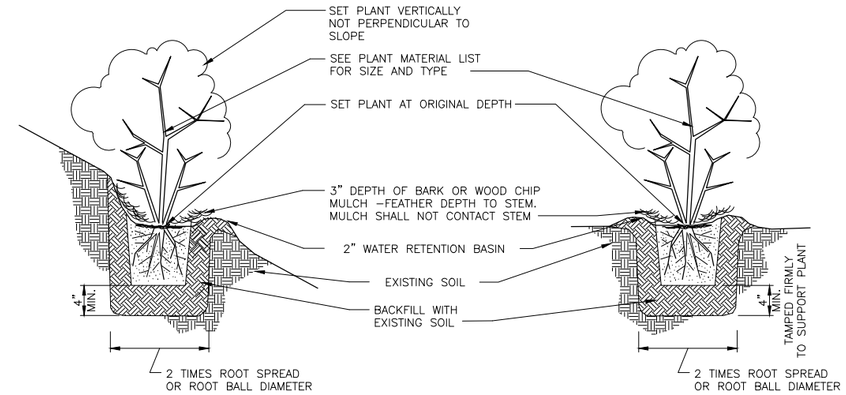


DETAIL 1/–
COIR LIFT WITH LIVE STAKE LAYERING
SCALE: NO SCALE



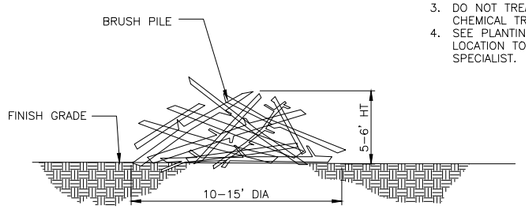
DETAIL 2/–
VERTICAL SNAG
SCALE: NO SCALE



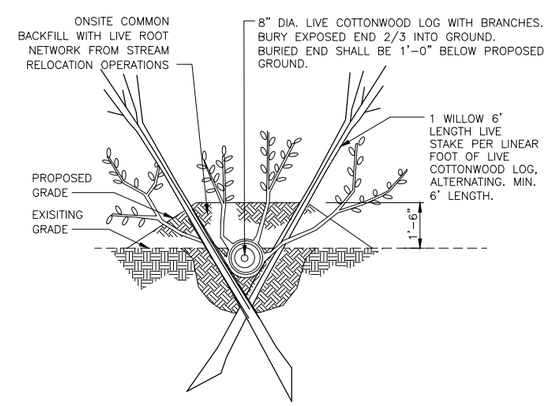
*NOTE: BARK OR WOOD CHIP MULCH SHALL BE PLACED IN 12" RADIUS AROUND EACH PLANT.

DETAIL 4/–
TREE AND SHRUB PLANTING
SCALE: NO SCALE

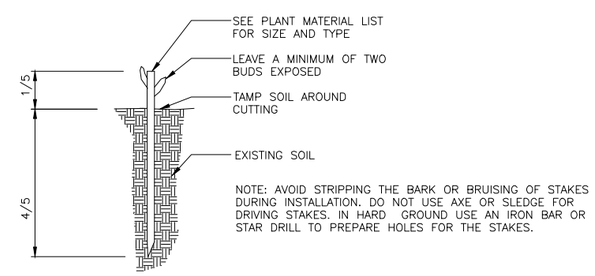
NOTES:
1. BRUSH PILE CONSTRUCTED FROM TREES AND BRUSH SALVAGED DURING DEMOLITION.
2. DO NOT REMOVE BARK.
3. DO NOT TREAT WITH PRESERVATIVES, STAINS, OR CHEMICAL TREATMENTS.
4. SEE PLANTING PLAN FOR APPROX. LOCATIONS. FINAL LOCATION TO BE APPROVED BY WETLAND MITIGATION SPECIALIST.



DETAIL 5/–
BRUSH PILE
SCALE: NO SCALE



DETAIL 6/–
LIVE DEBRIS FENCE
SCALE: NO SCALE



NOTE: AVOID STRIPPING THE BARK OR BRUISING OF STAKES DURING INSTALLATION. DO NOT USE AXE OR SLEDGE FOR DRIVING STAKES. IN HARD GROUND USE AN IRON BAR OR STAR DRILL TO PREPARE HOLES FOR THE STAKES.

DETAIL 7/–
LIVE STAKE INSTALLATION
SCALE: NO SCALE

30% DESIGN
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A	07\31\2014	30% DESIGN SUBMITTAL

PROJECT MANAGER	B. PETERSON
DESIGNED	M. GARELLO
DRAWN	M. NAGAMATSU
CHECKED	S. CLINE
PROJECT NUMBER	203107

CityofRedmond WASHINGTON

EVANS CREEK RELOCATION

CITY OF REDMOND

PLANTING AND HABITAT DETAILS I

0 1" 2"

FILENAME 02PL10.dwg
SCALE

SHEET **02PL10** X of XX

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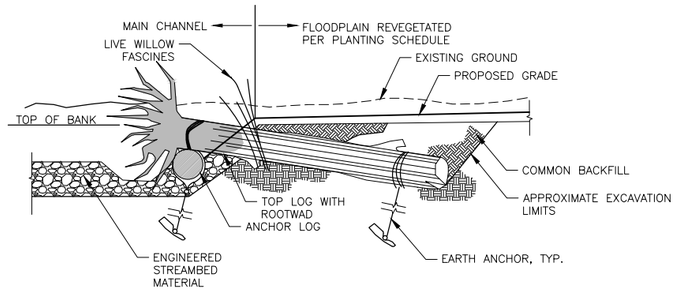
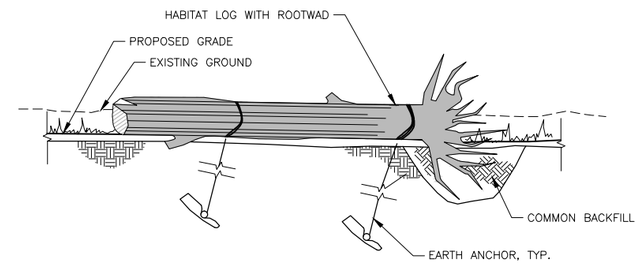


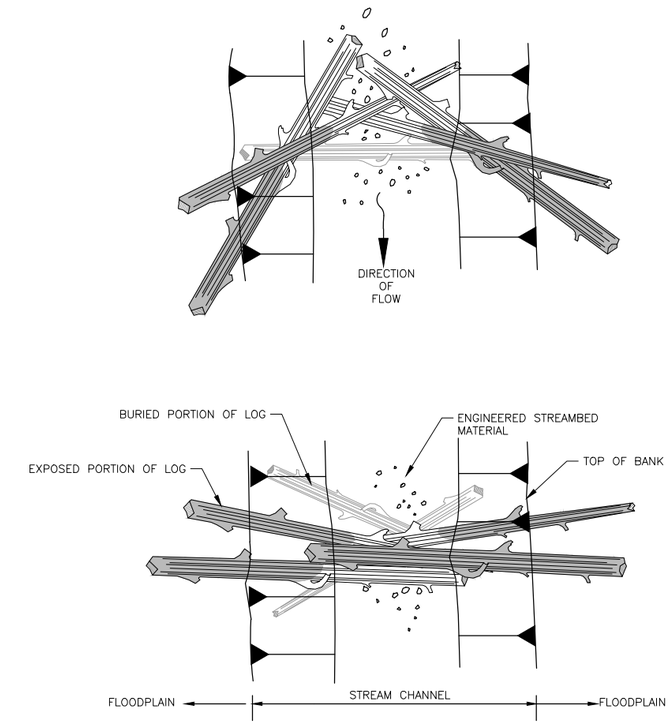
DETAIL 1/02PL11

SINGLE OR DOUBLE INSTREAM ROOT WAD STRUCTURE
SCALE: NO SCALE



DETAIL 2/02PL11

HABITAT LOG STRUCTURE
SCALE: NO SCALE



DETAIL 3/PL0211

INSTREAM LOG COMPLEX STRUCTURE
SCALE: NO SCALE

30% DESIGN

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A	07\31\2014	30% DESIGN SUBMITTAL

PROJECT MANAGER	B. PETERSON
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DRAWN	M. NAGAMATSU
CHECKED	S. CLINE
PROJECT NUMBER	203107

CityofRedmond WASHINGTON

EVANS CREEK RELOCATION

CITY OF REDMOND

PLANTING AND HABITAT DETAILS II

0 1" 2"

FILENAME 02PL11.dwg

SCALE

SHEET **02PL11** X of XX