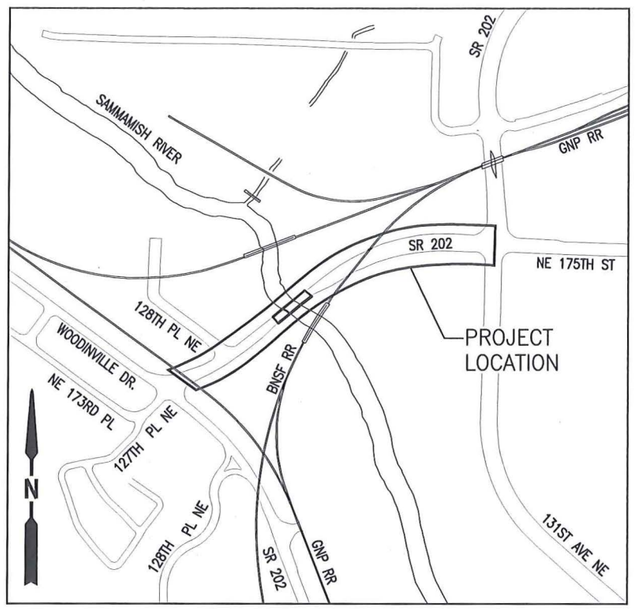
60% SUBMITTAL

CITY OF WOODINVILLE

SAMMAMISH BRIDGE AND ROAD (SR202) PROJECT
ROAD IMPROVEMENT

GENERAL SITE DESCRIPTION:

S.E. 1/4 OF SECTION 9, T. 26 N., R 5 E, W. M.



VICINITY MAP
NTS

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* NOT INCLUDED IN THIS PLAN SET

CITY OF WOODINVILLE

MAYOR

DEPUTY MAYOR

COUNCIL MEMBERS

CITY MANAGER

PUBLIC WORKS DIRECTOR

PROJECT MANAGER

CALL TWO (2) DAYS
BEFORE YOU DIG
1–800–424–5555

AECOM
701 5TH AVENUE, SUITE 1100
SEATTLE, WASHINGTON 98104
PHONE: (206) 674–4200
FAX: (206) 674–4242

NO.	REVISION	DATE	BY	CK
1	REVISION 1	00/00/10	XXX	XXX
2				
3				
4				
5				

CITY OF WOODINVILLE
17301 133rd AVE NE
WOODINVILLE, WA 98072
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PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
COVER SHEET

DATE: 12–08–11	CHECKED BY:
DESIGNED BY: BH	PROJECT NO.: XX
DRAWN BY:	SCALE: NONE
SHEET	OF
DRAWING NO.: CV1	

Mar. 16, 12 – 3:07 PM jensenc1 R:\60026199 – Sammamish Bridge and Road (SR202) Project\Phase 2\CADD\sheet\CV1.dwg

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CITY OF WOODINVILLE

SYMBOL AND LINETYPE LEGEND

UTILITY SYMBOLS

SYMBOL EXIST.	SYMBOL PROP.	DESCRIPTION
		CAP/PLUG
G/P	G/P	GUARD POST
		THRUST BLOCK
	(GREEN)	WATER METER
		FIRE HYDRANT
		WATER VALVE
	(GREEN)	GAS METER
	(GREEN)	GAS VALVE
		PAD MOUNTED TRANSFORMER
		TRANSMISSION TOWER
		UTILITY POLE
		UTILITY POLE ANCHOR
		TELEPHONE RISER
TJB	TJB	TELEPHONE JUNCTION BOX
		UTILITY VAULT
		SAN. SEWER CLEAN OUT
		SAN. SEWER MANHOLE
		STORM DRAIN CB TYPE 1
		STORM DRAIN CB TYPE 2
		STORM DRAIN (SIZED) CB TYPE 2
		GUY POLE

SURFACE FEATURE/LANDSCAPE

SYMBOL EXIST.	SYMBOL PROP.	DESCRIPTION
(EXTEND TO CATCH)	(WHITE)	EMBANKMENT
		MAIL BOX
		SIGN
(DRAW TO SCALE)		RIP RAP
		BOULDER
		SHRUB
		TREE (Conifer)
		TREE (Deciduous)
		STUMP
		YARD LIGHT
	(GREEN)	WELL (Potable Water)
(Draw to Scale)		PILE
		ROCKERY
		RETAINING WALL

SIGNALIZATION SYMBOLS

SYMBOL EXIST.	SYMBOL PROP.	DESCRIPTION
		DIPOLE DETECTOR (TYPE 2 LOOP)
		QUADRAPOLE DETECTOR (TYPE 1 LOOP)
		BICYCLE DETECTOR
		OPTICOM SENSOR
		JUNCTION BOXES (TYPE I, II, B)
		SIGNAL CONTROLLER
		ELECTRICAL SERVICE CABINET
		PEDESTRIAN POLE AND FOUNDATION
(DRAW MAST ARMS TO SCALE)		TRAFFIC SIGNAL POLE
		TRAFFIC SIGNAL POLE W/ TERMINAL CABINET
(SHOW ON MAST ARM)		TRAFFIC SIGNAL POLE LUMINAIRE
		STREET LIGHT ASSEMBLY
		PEDESTRIAN SIGNAL HEAD
		VEHICLE SIGNAL HEAD
		VEHICLE SIGNAL HEAD W/ARROW INDICATOR
(MAST ARM)	(MAST ARM)	STREET NAME SIGN
(MAST ARM)	(MAST ARM)	LANE USE CONTROL SIGN
(DRAW ARM TO SCALE)		R/R CROSSING GATE
		R/R CROSSING SIGNAL
		WIRE NOTE
		POLE NOTE
		VIDEO CAMERA
(COLOR 8)	(COLOR 8)	VIDEO DETECTION ZONE
BPS	BPS	BACKUP POWER SUPPLY
		DECORATIVE STREET LIGHT POLE
		METAL LUMINAIRE POLE

GEO-TECHNICAL SYMBOLS

SYMBOL EXIST.	SYMBOL PROP.	DESCRIPTION
		SOIL BORING
		TEST WELL
		TEST PIT

CHANNELIZATION SYMBOLS

SYMBOL EXIST.	SYMBOL PROP.	DESCRIPTION
		BIKE PATH
		HANDICAP SYMBOL
		RAILROAD CROSSING
		LANE CONTROL ARROWS: STRAIGHT ARROW
		LT.RT.STR.ARROW
		LEFT-RIGHT ARROW
		2-WAY LEFT TURN
		LEFT TURN ARROW
		RIGHT TURN ARROW
		LEFT-SRAIGHT ARROW
		RIGHT-STRAIGHT ARROW
		RAISED MARKERS: LANE MARKERS TYPE I
		LANE MARKERS TYPE II
		RUMBLE BARS
X		CHANNELIZATION PLAN LANE CALLOUT
X_x		CHANNELIZATION PLAN LANE CALLOUT

EROSION CONTROL SYMBOLS

SYMBOL	LABEL	HATCH PATTERN* (OR BLOCK NAME)	DESCRIPTION
	CE	GRAVEL, 0', 0.3	INSTALL "STABILIZED" CONSTRUCTION ENTRANCE
	IP		INSTALL FILTER FABRIC INLET PROTECTION
	SB	ANSI 31, 45', 0.5	INSTALL SAND BAGS (NOT IN STREAM/WETLAND)
	BCS	DOTS, 0', 0.35	BASE COURSE SUBGRADE (CSBC)
	GFB	ANSI 31, 90', 0.5	GRAVEL FILTER BERM
	CFB	EARTH, 0', 0.3	COMPOST FILTER BERM
	TAD		TEMPORARY ASPHALT DIKE
	SP		SEDIMENTATION POND
		ECWT	EXIST. WATER (IN/OUT)
		MARSH, 0', 0.3	EXIST. WETLAND

SURVEY SYMBOLS

FIELD/MONUMENTATION

SYMBOL FOUND (SET)	SYMBOL CALC'D (THEO)	SYMBOL PROP.	DESCRIPTION
	(C)	N/A	PK/HUB & TACK
	(B1)	N/A	BENCH MARK
	(B3)	N/A	IRON PIPE/OR OTHER MAT'L (SPECIFY)
	(B3)	N/A	REBAR
	(B2)	N/A	SURFACE BRASS CAP
	(B3)		CONC. MONUMENT
	(B2)		MONUMENT IN CASE
	(B3)	N/A	TRAVERSE POINT
N/A	N/A	N/A	SPOT ELEVATION
N/A	N/A	N/A	SUPER-NET GPS POINT
N/A	N/A	N/A	SNOCO PRIMARY GPS POINT

SECTION/OWNERSHIP:

SYMBOL FOUND (SET)	SYMBOL CALC'D (THEO)	SYMBOL PROP.	DESCRIPTION
N/A	16	N/A	SECTION CENTER
		N/A	SECTION CORNER
		N/A	QUARTER CORNER
		N/A	SIXTEENTH CORNER
		N/A	CLOSING CORNER
MC WC	MC WC	N/A	MEANDER CORNER
		N/A	WITNESS CORNER
N/A	-XXX	N/A	TAX LOT / PARCEL NUMBER
N/A		N/A	OWNERSHIP TIE

BRIDGE SYMBOLS

SECTION, VIEW OR DETAIL (X/XX)

SECTION, VIEW OR DETAIL TITLE TEXT

SECTION, VIEW OR DETAIL TITLE INDICATOR

- XXX — MARK NUMBER BUBBLE REINFORCING STEEL INDICATOR
- E — EPOXY COATED REINFORCEMENT INDICATOR
- G — GALVANIZED COATED INDICATOR
- CUT SECTION OR VIEW DIRECTION INDICATOR
- X/XX — SECTION, VIEW OR DETAIL INDICATOR
- X/XX — SECTION, VIEW OR DETAIL INDICATOR
- X/XX — SECTION, VIEW OR DETAIL INDICATOR
- X/XX — SECTION, VIEW OR DETAIL INDICATOR

CONSTRUCTION NOTES

1. TEXT 11 (ROMANS)
2. TEXT 11
3. TEXT 11

LINETYPE

DESCRIPTION
SURFACE FEATURES:
EDGE OF PAVEMENT (EXISTING)
BRIDGE
BRIDGE (PROP.)
BUILDING LINE (EXISTING)
BUILDING LINE (PROPOSED)
BUILDING OVERHANG
CREEK EDGE
CURB/CONCRETE (EXIST.)
CURB/CONC./PAVEMENT (PROP)
DITCH CENTERLINE (EXIST.)
DITCH CENTERLINE (PROP.)
FENCE (EXISTING)
FENCE (PROPOSED)
GRAVEL (EXIST.)
GRAVEL (PROP)
GUARDRAIL (EXISTING)
GUARDRAIL (PROPOSED)
GUTTER LINE
JERSEY BARRIER (EXISTING)
JERSEY BARRIER (PROPOSED)
LAKE/POND WATER EDGE
PLANTER
RAILROAD
REBAR
RETAINING WALL (EXISTING)
RETAINING WALL (PROPOSED)
RIVERBANK/SHORELINE
ROCKERY (EXISTING)
ROCKERY (PROPOSED)
VEGETATION LINE
WETLAND/SWAMP PERIMETER
EROSION CONTROL (PROPOSED):
OB — ORANGE BARRIER FENCE
SF — SILT FENCE
HVF — HIGH VISIBILITY FENCE
DESIGN CENTERLINES (PROPOSED):
CONST. CENTERLINE ON CHAN. PLAN
CENTERLINE (PROPOSED)
SURVEY LINES:
CONTOUR (DEPRESSION)
CONTOUR (MINOR-OBSCURED)
CONTOUR (MAJOR-OBSCURED)
CONTOUR (MINOR-EXISTING)
CONTOUR (MAJOR-EXISTING)
CONTOUR (MINOR-PROPOSED)
CONTOUR (MAJOR-PROPOSED)
DONATION LAND CLAIM (EXIST.)
EASEMENT (PROPOSED)
EASEMENT (EXISTING)
MEANDER LINE
PROPERTY LINE
PROPERTY LINE (EX. HISTORICAL)
OWNERSHIP LINE
RESERVATION/PARK/FOREST (EX)

DESCRIPTION
SURVEY LINES cont:
(RIGHT OF WAY & CONSTRUCTION PLANS) — RIGHT-OF-WAY ℄ (EXISTING)
(RIGHT OF WAY) — RIGHT-OF-WAY (EXISTING)
(RIGHT OF WAY) — RIGHT-OF-WAY (EXISTING USED)
(RIGHT OF WAY PLANS) — RIGHT-OF-WAY (PROPOSED)
(CONSTRUCTION PLANS) — RIGHT-OF-WAY (NEWLY ACQUIRED)
(RIGHT OF WAY PLANS) — RIGHT-OF-WAY (EX. HISTORICAL)
RIGHT-OF-WAY (LIMITED ACCESS)
RIGHT-OF-WAY (LIMITED ACCESS)
SECTION LINE
QUARTER SECTION LINE
SIXTEENTH SECTION LINE
STATE/COUNTY/CORPORATE LIMIT
RANGE/TOWNSHIP LINE
EXISTING CROWN OF ROAD
TOP OF BANK/SLOPE
TOE OF BANK/SLOPE
OHW — ORDINARY HIGH WATER MARK
THW — THALWEG LINE
DAYLIGHT
Cut — CUT LINE
Fill — FILL LINE
UTILITIES (PROPOSED):
UT — MAIN LINE (UST TYPE, SIZE, ETC.)
STORM DRAIN (.05" PLINE)
CULVERT (.05" PLINE)
UT — SERVICE (UST TYPE, SIZE, ETC.)
SC — TRAFFIC SIGNAL CONDUIT LINE
S — SANITARY SEWER
FM — SANITARY SEWER (FORCE MAIN)
WATER
UTILITIES (EXISTING):
TV — CABLE TELEVISION (AERIAL)
TV — CABLE TELEVISION (BURIED)
FO — FIBER OPTIC LINE (AERIAL)
FO — FIBER OPTIC LINE (BURIED)
DF — DRAIN FIELD
G — GAS
O — OIL
P — POWER (AERIAL)
P — POWER (BURIED)
S — SANITARY SEWER
FM — SANITARY SEWER (FORCE MAIN)
STE — STEAM
SD — STORM DRAINAGE (STR TO STR)
T — TELEPHONE (AERIAL)
T — TELEPHONE (BURIED)
SC — TRAFFIC SIGNAL CONDUIT LINE
UT — UTILITY (AERIAL)
UT — UTILITY (BURIED)
WATER
CULVERT (WIDTH TO SCALE)

** – INDICATE UTILITY TYPE USING APPROPRIATE TEXT LAYER (PO, TL, TV, FO, ETC.)

SURFACE WATER SYMBOLS

SYMBOL	DESCRIPTION
	TEMPORARY DIVERSION PUMP
	TEMPORARY SEDIMENT TRAP
	TEMPORARY COFFER DAM

REFERENCE SYMBOLS

20 0 20 40
SCALE IN FEET

DATUM

NAVD 88

(X/Y) DRAINAGE STRUCTURE NOTE
X = STRUCTURE NO.
Y = ROADWAY DWG. NO.

GENERAL NOTES

NOTES:
1. SEE PEN/COLOR/TEXT STANDARD FOR COLOR LINEWEIGHT DEFINITIONS.
2. LINETYPES ARE LOADED FROM THE ID-2 LEGEND.DWG. LIN LINETYPE FILE.
3. DITCH LINETYPE FLOW DIRECTION ARROW MUST BE INSERTED AT ENDS OF DASHED LINES AS SHOWN (BLOCK NAME IS "FL"). →
4. ROMANS SHOULD BE RESIDENT IN THE DRAWING BEFORE LOADING LINETYPES THAT CONTAINS A "SYMBOL" OR LETTER.
5. STRUCTURAL BRIDGE PLANS SHALL USE "BRIDGETECH."
6. TEXT WIDTH FACTOR SHALL BE 0.9" MIN. TO 1.0" MAX. FOR ALL PS&E PLAN SETS.

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NO.	REVISION	DATE	BY	CK
1	REVISION 1	00/00/10	XXX	XXX
2				
3				
4				
5				

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PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
LEGEND

DATE: 12-7-11	CHECKED BY: HP
DESIGNED BY: BJH	PROJECT NO.: XX
DRAWN BY: XX	SCALE: NONE
SHEET XX OF	
DRAWING NO.: GO1	

Mar. 16, 12 – 3:08 PM jensenc1 R:\60020199 – Sammamish Bridge and Road (SR202) Project\Phase 2\CADD\sheet\GO1.dwg

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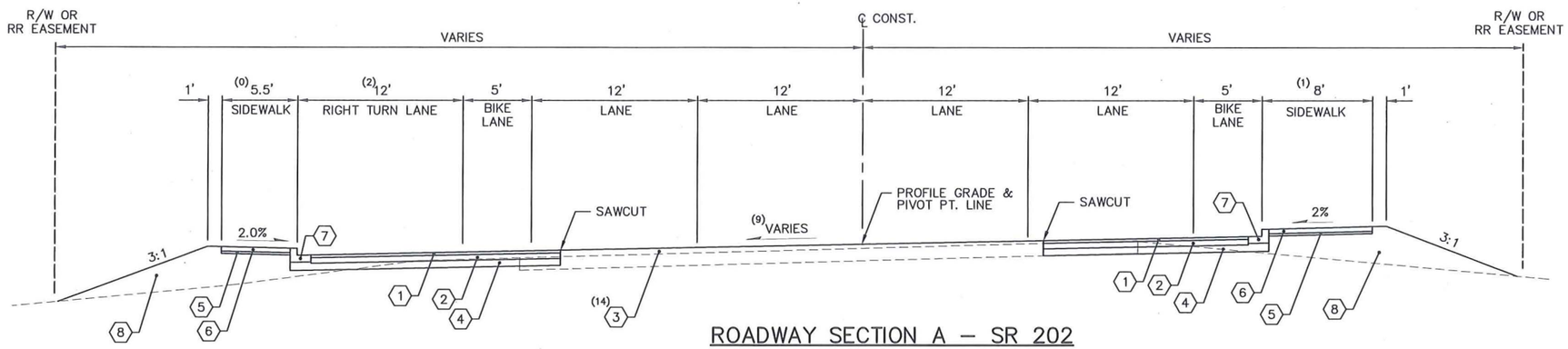


ROADWAY SECTION A – SR 202

STA 10+26 TO STA 11+88.80

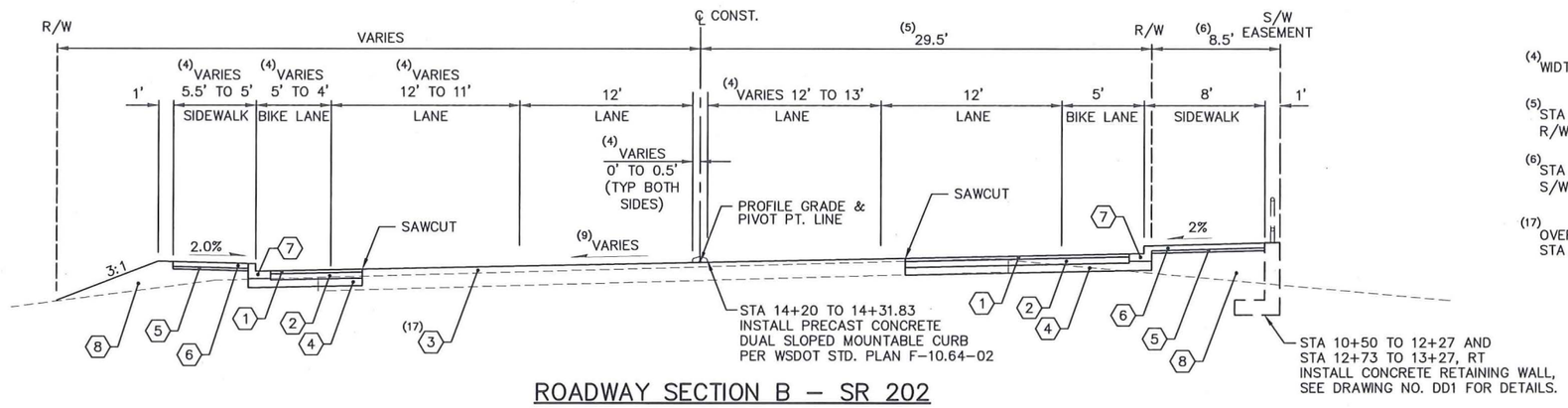
(0) STA WR 100+52.65 TO 10+59.31
VARIES FROM 5.5' TO 10', SEE PLANS

(1) STA WR 98+31.99 TO 10+84.96
WIDTH = 5.5'

(2) STA 11+26.50 TO 11+82.70
VARIES FROM 12' TO 0'

(14) GRIND & OVERLAY 0.2' AND MATCH EXISTING SLOPE:
STA 10+28.07 TO 10+76.88
STA 10+87.41 TO 11+14.02

(9) SEE SUPERELEVATION DIAGRAM ON DRAWING NO. PP1



ROADWAY SECTION B – SR 202

STA 11+88.80 TO STA 14+75.73

(4) WIDTH VARIES FROM STA 13+85 TO 14+20

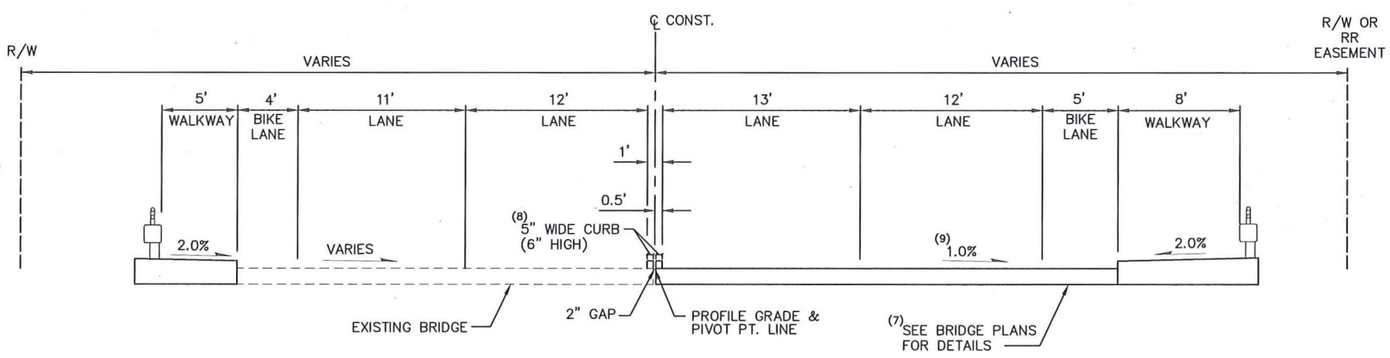
(5) STA 12+90.75 TO 14+31.83
R/W VARIES FROM 49.3' TO 58.73'

(6) STA 12+90.75 TO 14+31.83
S/W EASEMENT = 0'

(17) OVERLAY 0.2'
STA 11+14.02 TO 17+26.84

(7) APPROACH SLAB
STA 14+50.75 TO 14+75.73, RT
STA 16+14.61 TO 16+50.44, RT

(8) INSTALL PRECAST CONCRETE DUAL SLOPED MOUNTABLE CURB PER WSDOT STD. PLAN F-10.64-02 ON APPROACH SLAB INSTEAD OF 2 EA.-5" WIDE CURBS



ROADWAY SECTION C – SR 202

STA 14+75.73 TO STA 16+14.61

SURFACING LEGEND

1. 0.2' DEPTH HMA CL. 1/2 IN. PG 64-22
2. 0.4' DEPTH HMA CL. 1/2 IN. PG 64-22
3. 0.3' AVG. DEPTH HMA CL. 1/2 IN. PG 64-22
4. 0.5' CRUSHED SURFACING BASE COURSE
5. 0.17' CRUSHED SURFACING TOP COURSE
6. CEMENT CONCRETE SIDEWALK PER WSDOT STANDARD PLAN F-30.10-01.
7. CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER WSDOT STANDARD PLAN F-10.12-01.
8. GRAVEL BORROW INCLUDING HAUL

NOTE: ALL DEPTHS ARE COMPACTED DEPTHS.

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NO.	REVISION	DATE	BY	CK

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PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
ROADWAY TYPICAL SECTIONS

DATE: 12-07-2011	CHECKED BY: AS
DESIGNED BY: BH	PROJECT NO.:
DRAWN BY: FDM	SCALE: NONE
SHEET	OF
DRAWING NO.: RS1	

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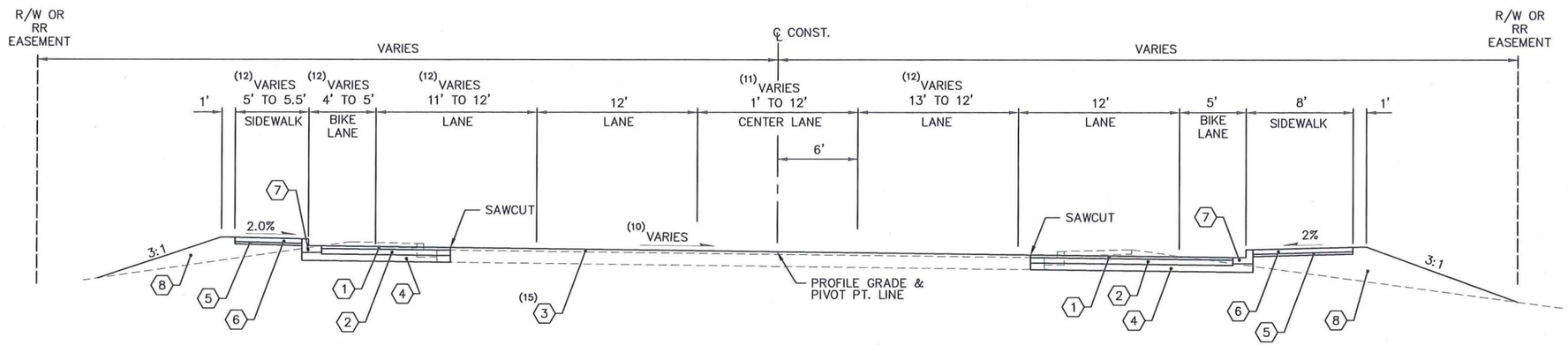


ROADWAY SECTION D – SR 202

STA 16+14.61 TO STA 20+75.87

(10) SEE SUPERELEVATION DIAGRAM ON DRAWING NO. DD2

(11) STA 16+14.61 TO 16+50
WIDTH = 1' WITH PRECAST CONCRETE DUAL FACED SLOPED MOUNTABLE CURB PER WSDOT STD. PLAN F-10.64-02 (SEE ROADWAY SECTION B)

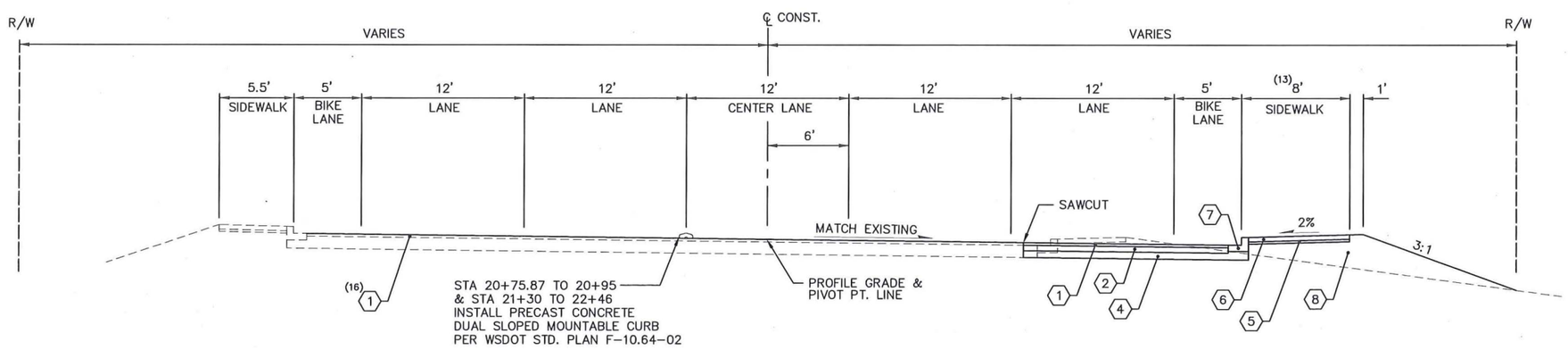
STA 16+50 TO 18+00
WIDTH VARIES FROM 1' TO 12'

STA 18+00 TO 20+75.87
WIDTH = 12'

STA 20+00 TO 20+75.87, 6' LT
INSTALL PRECAST CONCRETE DUAL FACED SLOPED MOUNTABLE CURB PER WSDOT STD. PLAN F-10.64-02 (SEE ROADWAY SECTION E)

(12) WIDTH VARIES FROM STA 16+50 TO 18+00

(15) GRIND & OVERLAY 0.2':
STA 16+14.61 TO 17+98.60
STA 18+08.42 TO 18+63.69



ROADWAY SECTION E – SR 202

STA 20+75.87 TO STA 22+65

(13) STA 21+90 TO 22+15
SIDEWALK VARIES FROM 8' TO 7.5'

STA 22+15 TO 22+65
SIDEWALK = 7.5'

(16) GRIND & OVERLAY 0.2':
STA 20+75.87 TO 22+65

SURFACING LEGEND

1. 0.2' DEPTH HMA CL. 1/2 IN. PG 64-22
2. 0.4' DEPTH HMA CL. 1/2 IN. PG 64-22
3. 0.3' AVG. DEPTH HMA CL. 1/2 IN. PG 64-22
4. 0.5' CRUSHED SURFACING BASE COURSE
5. 0.17' CRUSHED SURFACING TOP COURSE
6. CEMENT CONCRETE SIDEWALK PER WSDOT STANDARD PLAN F-30.10-01.
7. CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER WSDOT STANDARD PLAN F-10.12-01.
8. GRAVEL BORROW INCLUDING HAUL

NOTE: ALL DEPTHS ARE COMPACTED DEPTHS.

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NO.	REVISION	DATE	BY	CK

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PROJECT INFORMATION

SHEET TITLE:
ROADWAY TYPICAL SECTIONS

DATE: XX-XX-XXXX	CHECKED BY: XX
DESIGNED BY: XX	PROJECT NO.: XX
DRAWN BY: XX	SCALE: NONE
SHEET XX OF	
DRAWING NO.: RS2	

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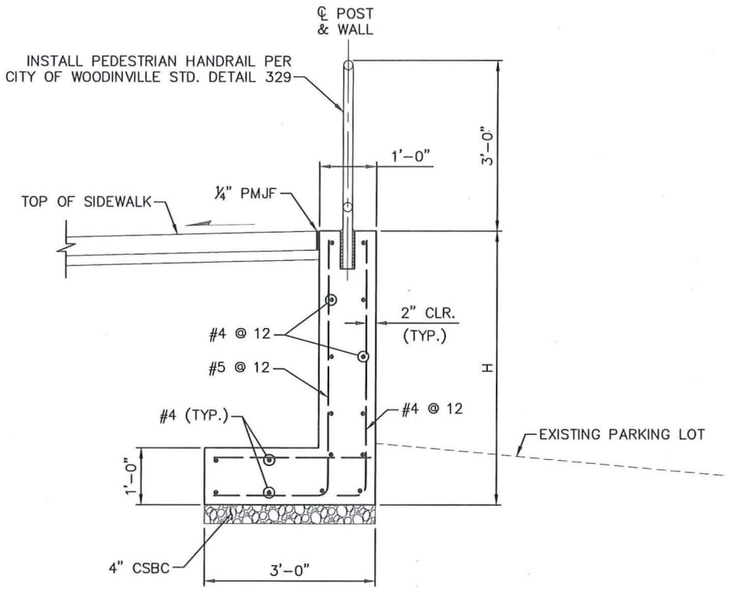

RETAINING WALL DETAIL CHART						
WALL	BEGIN STATION, OFFSET	TOP OF WALL ELEVATION	END STATION, OFFSET	TOP OF WALL ELEVATION	WALL HEIGHT (H)	BOTTOM OF WALL ELEVATION
1	–	–	–	–	–	–
2	–	–	–	–	–	–
3	–	–	–	–	–	–

RETAINING WALL WITH RAILING

BANNER POLE DETAIL

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PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
MISCELLANEOUS DETAILS

DATE: 12-06-2011	CHECKED BY:
DESIGNED BY:	PROJECT NO.:
DRAWN BY: FDM	SCALE: NONE
SHEET	OF
DRAWING NO.:	DD1

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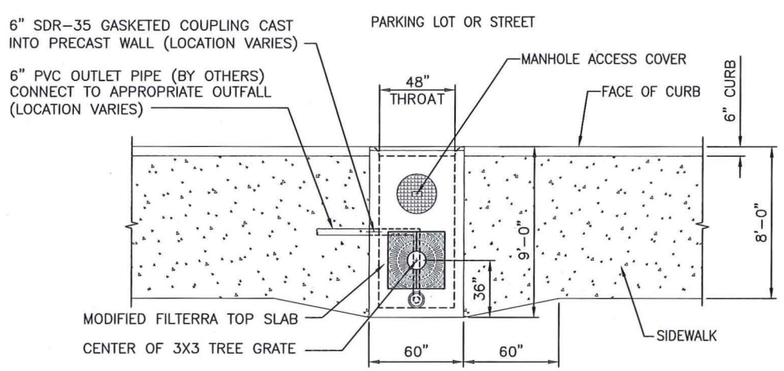
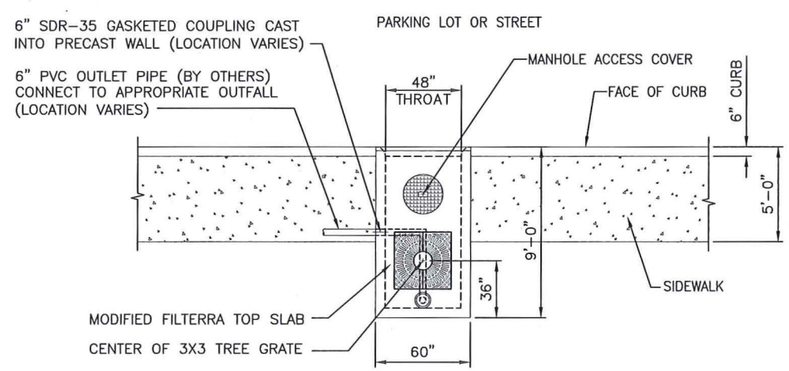
GRINDING DETAIL

ASPHALT RAMP DETAIL

DRIVEWAY DETAIL



MODIFIED NARROW LENGTH
FILTERRA UNIT – 4X8 W/ 8' SIDEWALK
N.T.S.



MODIFIED NARROW LENGTH
FILTERRA UNIT – 4x8 W/ 5' SIDEWALK
N.T.S.

RETAINING WALL WITH RAILING

AECOM
701 5TH AVENUE, SUITE 1100
SEATTLE, WASHINGTON 98104
PHONE: (206) 674-4200
FAX: (206) 674-4242

NO.	REVISION	DATE	BY	CK

CITY OF WOODINVILLE
17301 133rd AVE NE
WOODINVILLE, WA 98072
PHONE: (425) 489-2700
FAX: (425)489-2705

PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
MISCELLANEOUS DETAILS

DATE: 12-06-2011	CHECKED BY:
DESIGNED BY:	PROJECT NO.:
DRAWN BY: FDM	SCALE: NONE
SHEET	OF
DRAWING NO.: DD2	

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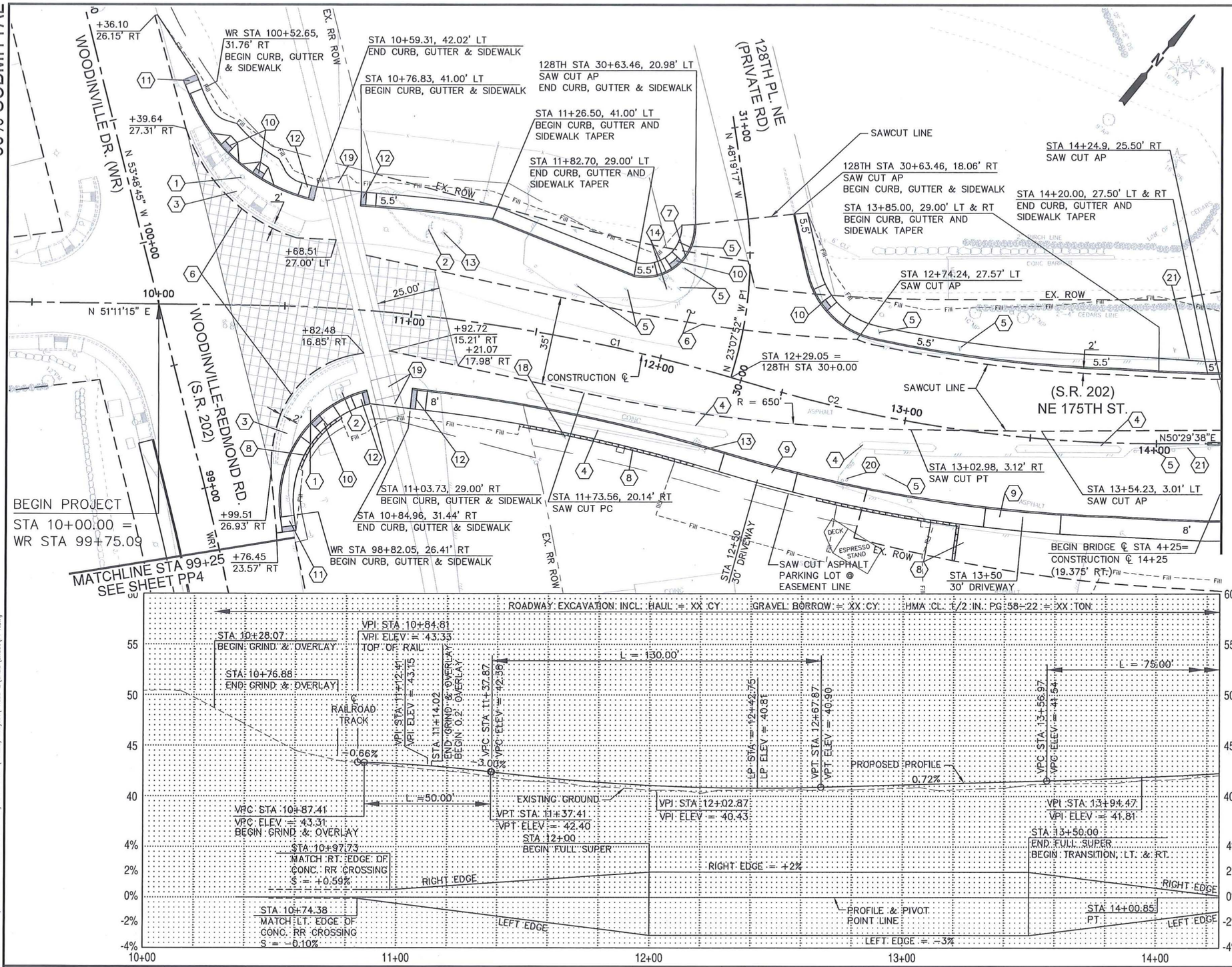

CONSTRUCTION NOTES

1. RELOCATE SIGNAL POLE & JUNCTION BOXES, SEE SIGNAL PLANS.
2. RELOCATE RAILROAD SIGNAL, SEE SIGNAL PLANS
3. REMOVE CURB, GUTTER & SIDEWALK.
4. REMOVE CONCRETE TRAFFIC ISLAND.
5. RELOCATE/REMOVE TRAFFIC SIGN, SEE SIGNING PLANS.
6. SAWCUT & REMOVE EXISTING PAVEMENT.
7. RELOCATE BUSINESS SIGN (BY OTHERS).
8. INSTALL CONCRETE RETAINING WALL. SEE DETAIL ON SHEET DD1.
9. INSTALL CONCRETE DRIVEWAY TYPE 1 PER CITY OF WOODINVILLE STD. PLAN 322. SEE DRIVEWAY PLAN & PROFILE SHEET FOR ASPHALT APRON AND MISC. DETAILS.
10. INSTALL PARALLEL CURB RAMP TYPE A PER WSDOT STD. PLAN F-40.12-01. SEE SHT IP1 FOR STATION AND SIDEWALL DIMENSIONS.
11. INSTALL ASPHALT CURB RAMP PER DETAIL ON DRAWING NO. DD2.
12. INSTALL SINGLE DIRECTION CURB RAMP TYPE A PER WSDOT STD. PLAN F-40.16-01.
13. RELOCATE STREET LIGHT, SEE ILLUMINATION PLANS.
14. REMOVE BOLLARD.
18. PROTECT BUSINESS SIGN IN PLACE.
19. INSTALL 10' X 8' CONCRETE RAILROAD CROSSING PANELS, 1 EA LT. & 2 EA RT..
20. RELOCATE MAILBOX TO PARKING LOT. ENGINEER TO DETERMINE LOCATION.
21. REMOVE GUARD RAIL.

LEGEND:

GRIND & OVERLAY

CURVE TABLE

CURVE NO.	RADIUS	DELTA	LENGTH	PC STA	PI STA	PT STA
C1	700.00'	16°12'58"	198.12'	10+37.46	11+37.19	12+35.58**
C2	560.00'	16°54'35"	165.27'	12+35.58**	13+18.82	14+00.85
WR1	891.12'	32°44'23"	509.20'	93+90.65	96+52.41	98+99.85
P1	150.00'	25°11'25"	65.95'	30+04.89	30+38.41	30+70.84

** NOTE: STATION IS A PRC.

20 0 20 40
SCALE IN FEET

AECOM
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FAX: (206) 674-4242

NO.	REVISION	DATE	BY	CK

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FAX: (425)489-2705

PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
ROADWAY PLAN & PROFILE

DATE: 12-07-2011	CHECKED BY: AL
DESIGNED BY: BJH	PROJECT NO.:
DRAWN BY: YD	SCALE: 1"=20'
SHEET	OF
DRAWING NO.: PP1	

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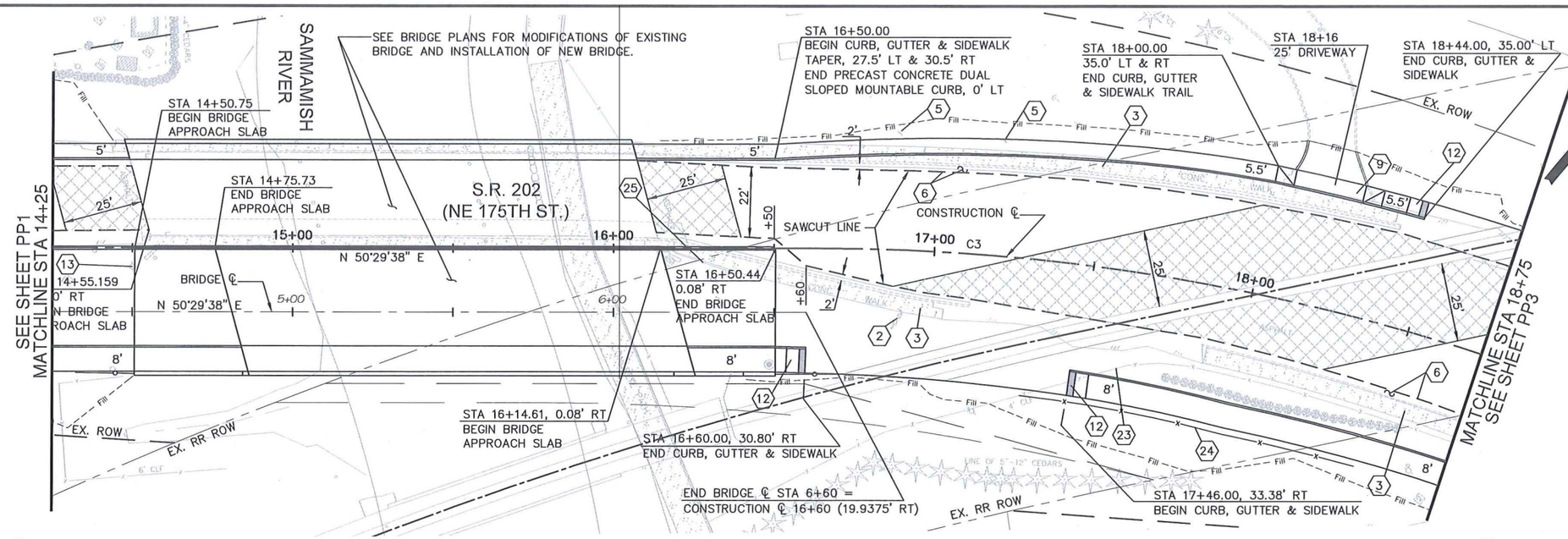
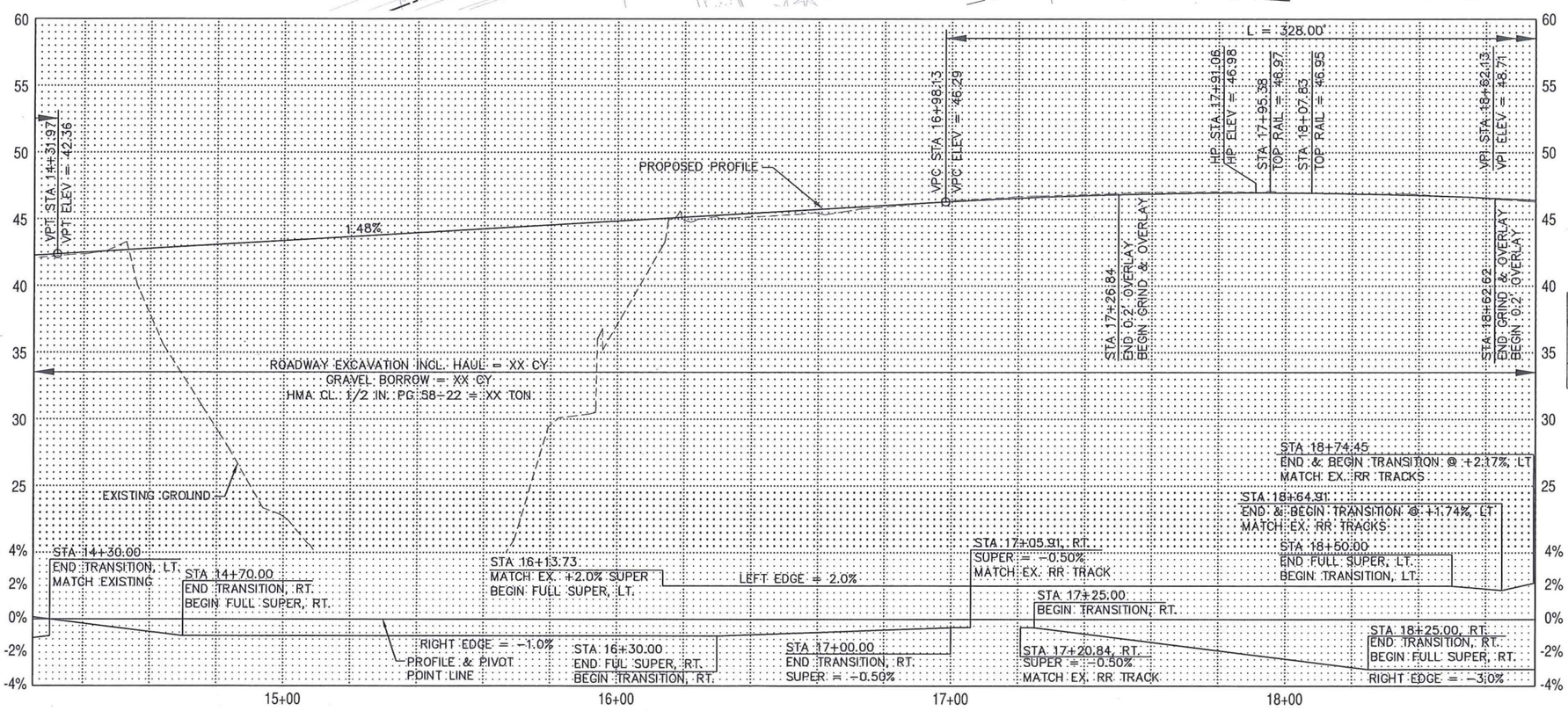


CONSTRUCTION NOTES

- (2) RELOCATE RAILROAD SIGNAL, SEE SIGNAL PLANS.
- (3) REMOVE CURB, GUTTER & SIDEWALK.
- (5) RELOCATE/REMOVE TRAFFIC SIGN, SEE SIGNING PLANS.
- (6) SAWCUT & REMOVE EXISTING PAVEMENT.
- (9) INSTALL CONCRETE DRIVEWAY TYPE 1 PER CITY OF WOODINVILLE STD. PLAN 322. SEE DRIVEWAY PLAN & PROFILE SHEET FOR ASPHALT APRON AND MISC. DETAILS.
- (12) INSTALL SINGLE DIRECTION CURB RAMP TYPE A PER WSDOT STD. PLAN F-40.16-01.
- (13) RELOCATE STREET LIGHT, SEE ILLUMINATION PLANS.
- (23) REMOVE EXISTING 4' HIGH CHAIN LINK FENCE.
- (24) STA 17+20 TO 18+45, RT., INSTALL CHAIN LINK FENCE TYPE 4 PER WSDOT STANDARD PLAN L-20.10-01 2' BEHIND SIDEWALK. CONNECT TO EXISTING FENCE TO REMAIN
- (25) REMOVE EXISTING HAND RAILING.



LEGEND:

GRIND & OVERLAY

CURVE TABLE

CURVE NO.	RADIUS	DELTA	LENGTH	P.C. STA.	P.I. STA.	P.T. STA.
C3	660'	41°55'44"	482.99'	16+64.85	19+17.74	21+47.84

20 0 20 40
SCALE IN FEET

AECOM
701 5TH AVENUE, SUITE 1100
SEATTLE, WASHINGTON 98104
PHONE: (206) 674-4200
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NO.	REVISION	DATE	BY	CK

CITY OF WOODINVILLE
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PHONE: (425) 489-2700
FAX: (425)489-2705

PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
ROADWAY PLAN & PROFILE

DATE: 12-07-2011	CHECKED BY: AL
DESIGNED BY: BJH	PROJECT NO.:
DRAWN BY: YD	SCALE: 1"=20'
SHEET	OF
DRAWING NO.: PP2	

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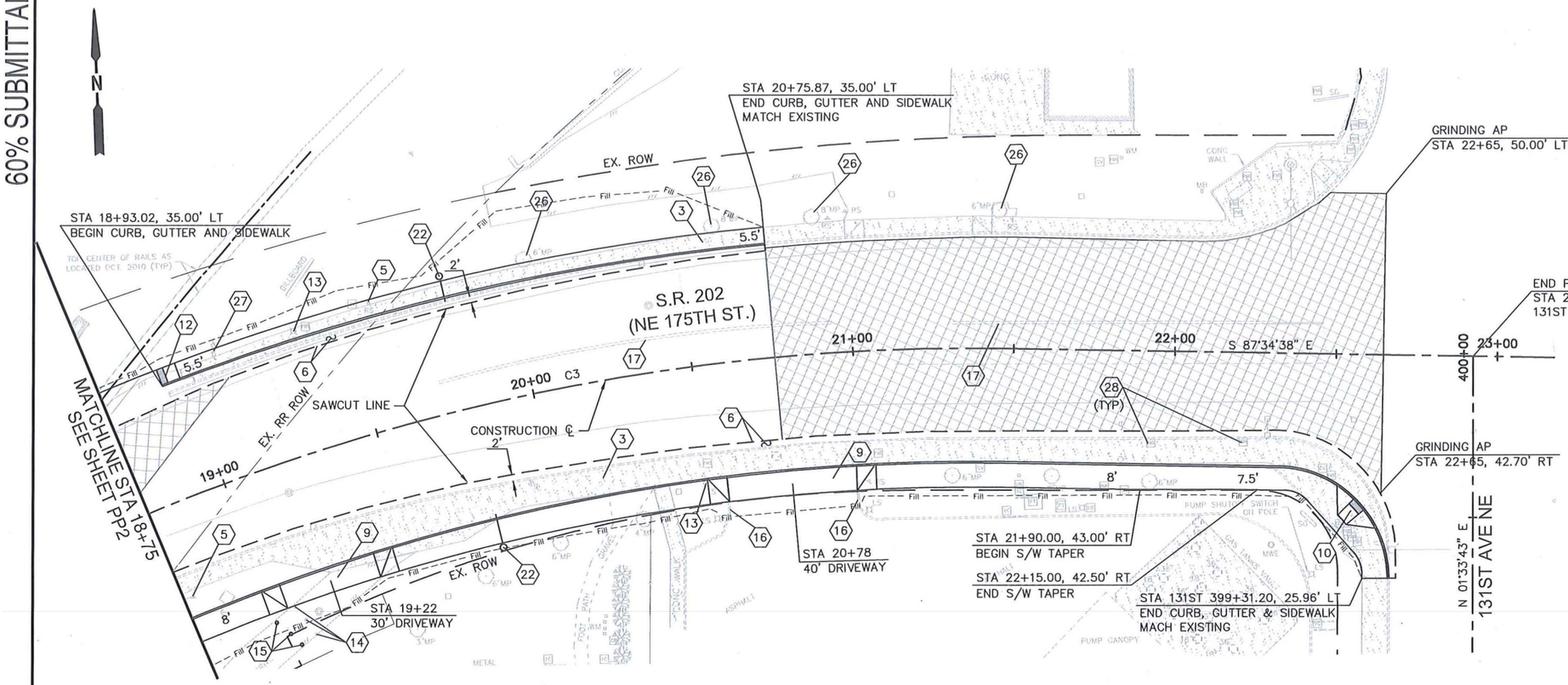
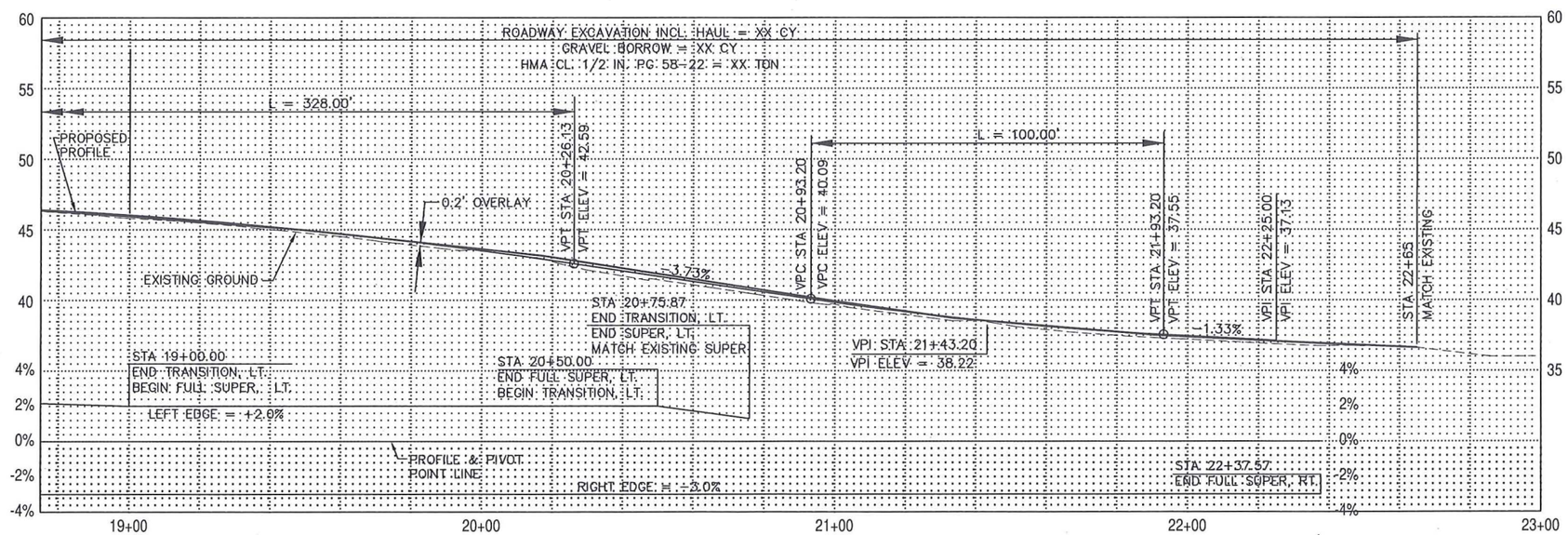


CONSTRUCTION NOTES

- (3) REMOVE CURB, GUTTER & SIDEWALK.
- (5) RELOCATE/REMOVE TRAFFIC SIGN, SEE SIGNING PLANS.
- (6) SAWCUT & REMOVE EXISTING PAVEMENT.
- (9) INSTALL CONCRETE DRIVEWAY TYPE 1 PER CITY OF WOODINVILLE STD. PLAN 322. SEE DRIVEWAY PLAN & PROFILE SHEET FOR ASPHALT APRON AND MISC. DETAILS.
- (10) INSTALL PARALLEL CURB RAMP TYPE A PER WSDOT STD. PLAN F-40.12-01. SEE SHT IP2 FOR STATION AND SIDEWALK DIMENSIONS.
- (11) INSTALL SINGLE DIRECTION CURB RAMP TYPE A PER WSDOT STD. PLAN F-40.16-01.
- (13) RELOCATE STREET LIGHT, SEE ILLUMINATION PLANS.
- (14) REMOVE BOLLARD.
- (15) INSTALL BOLLARD PER CITY OF WOODINVILLE STD. PLAN345A.
- (16) REMOVE & REPLACE EXTRUDED CURB.
- (17) REMOVE EXISTING TRAFFIC CURB.
- (22) STA 19+80, LT & RT INSTALL BANNER POLE SEE DETAIL ON SHT DD1.
- (26) PROTECT TREE IN PLACE.
- (27) PROTECT RAILROAD SIGNAL IN PLACE. SEE SIGNAL PLANS FOR INTERCONNECT.
- (28) RELOCATE TRAFFIC SIGNAL JUNCTION BOX, SEE SIGNAL PLANS.

LEGEND:

GRIND & OVERLAY



CURVE TABLE

CURVE NO.	RADIUS	DELTA	LENGTH	P.C. STA.	P.I. STA.	P.T. STA.
C3	660'	41°55'44"	482.99'	16+64.86	19+17.74	21+47.84

20 0 20 40
SCALE IN FEET

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SEATTLE, WASHINGTON 98104
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FAX: (206) 674-4242

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PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
ROADWAY PLAN & PROFILE

DATE: 12-07-2011	CHECKED BY: AL
DESIGNED BY: BJH	PROJECT NO.:
DRAWN BY: YD	SCALE: 1"=20'
SHEET	OF
DRAWING NO.: PP3	

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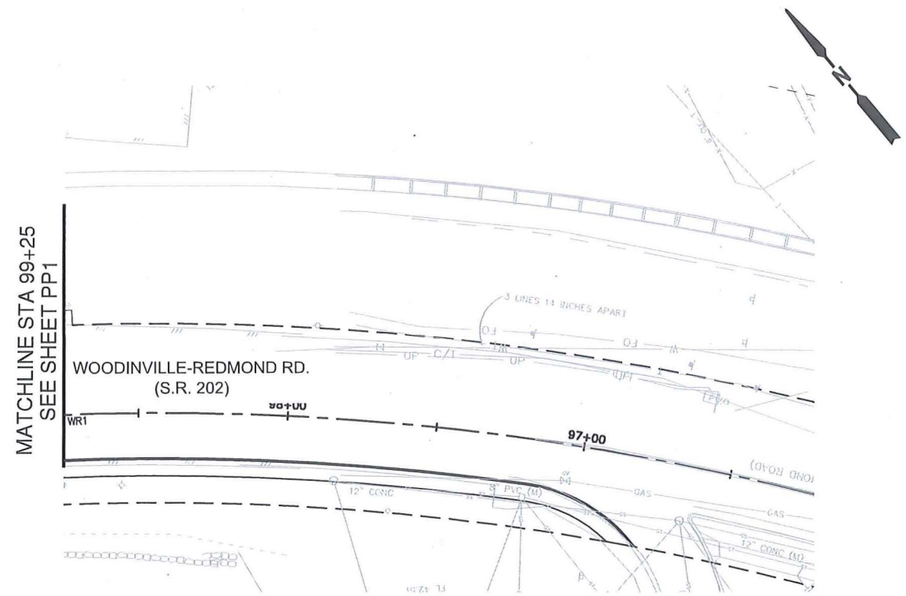

CONSTRUCTION NOTES

1. RELOCATE SIGNAL POLE & JUNCTION BOXES, SEE SIGNAL PLANS.
2. RELOCATE RAILROAD SIGNAL, SEE SIGNAL PLANS
3. REMOVE CURB, GUTTER & SIDEWALK.
4. REMOVE CONCRETE TRAFFIC ISLAND.
5. RELOCATE/REMOVE TRAFFIC SIGN, SEE SIGNING PLANS.
6. SAWCUT & REMOVE EXISTING PAVEMENT.
7. RELOCATE BUSINESS SIGN (BY OTHERS).
8. INSTALL CONCRETE RETAINING WALL. SEE DETAIL ON SHEET DD1.
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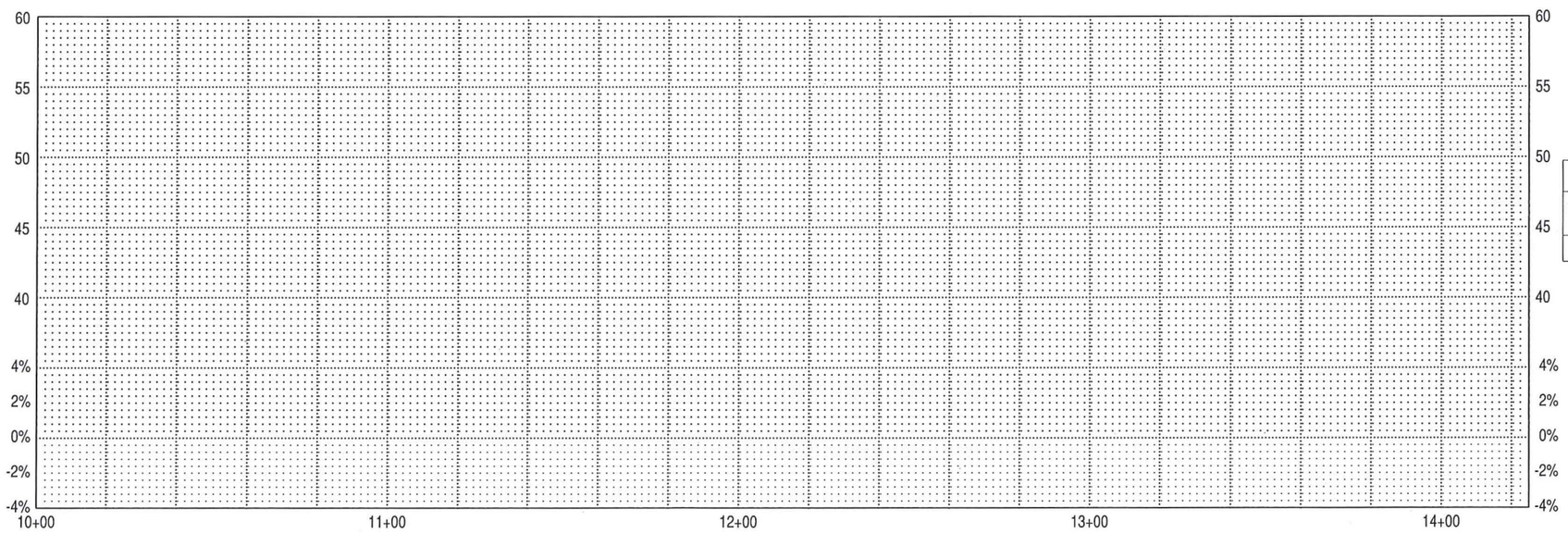
10. INSTALL PARALLEL CURB RAMP TYPE A PER WSDOT STD. PLAN F-40.12-01.
11. INSTALL ASPHALT CURB RAMP PER DETAIL ON DRAWING NO. DD2.
12. INSTALL SINGLE DIRECTION CURB RAMP TYPE A PER WSDOT STD. PLAN F-40.16-01.
13. RELOCATE STREET LIGHT, SEE ILLUMINATION PLANS.
14. REMOVE BOLLARD.
18. PROTECT BUSINESS SIGN IN PLACE.
19. INSTALL 10' X 8' CONCRETE RAILROAD CROSSING PANELS, 1 EA LT. & 2 EA RT..
20. RELOCATE MAILBOX TO PARKING LOT. ENGINEER TO DETERMINE LOCATION.
21. REMOVE GUARD RAIL.

LEGEND:

GRIND & OVERLAY



CURVE TABLE

CURVE NO.	RADIUS	DELTA	LENGTH	PC STA	PI STA	PT STA
WR1	891.12'	32°44'23"	509.20'	93+90.65	96+52.41	98+99.85

** NOTE: STATION IS A PRC.

20 0 20 40
SCALE IN FEET

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NO.	REVISION	DATE	BY	CK

CITY OF WOODINVILLE
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WOODINVILLE, WA 98072
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FAX: (425)489-2705

PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
ROADWAY PLAN & PROFILE

DATE: 12-07-2011	CHECKED BY: AL
DESIGNED BY: BJH	PROJECT NO.:
DRAWN BY: YD	SCALE: 1"=20'
SHEET	OF
DRAWING NO.: PP4	

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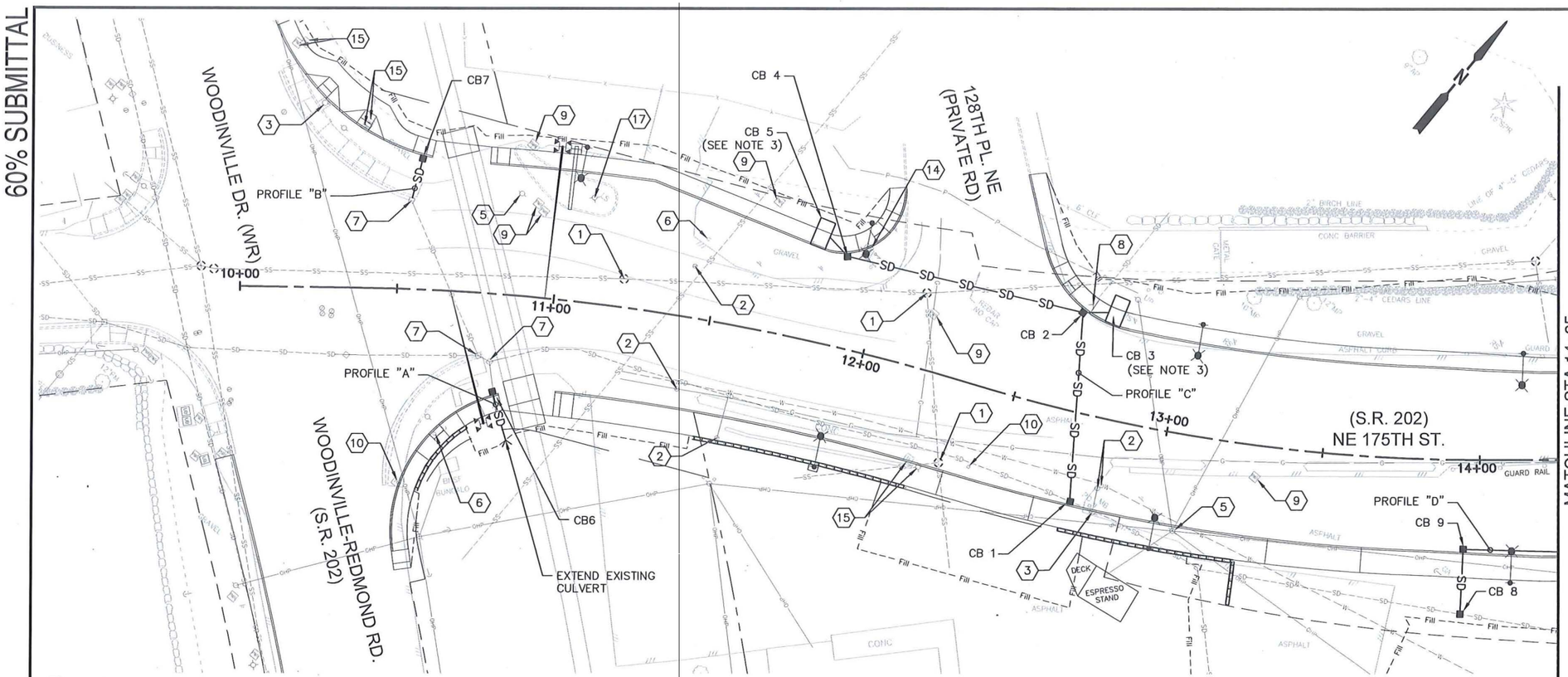
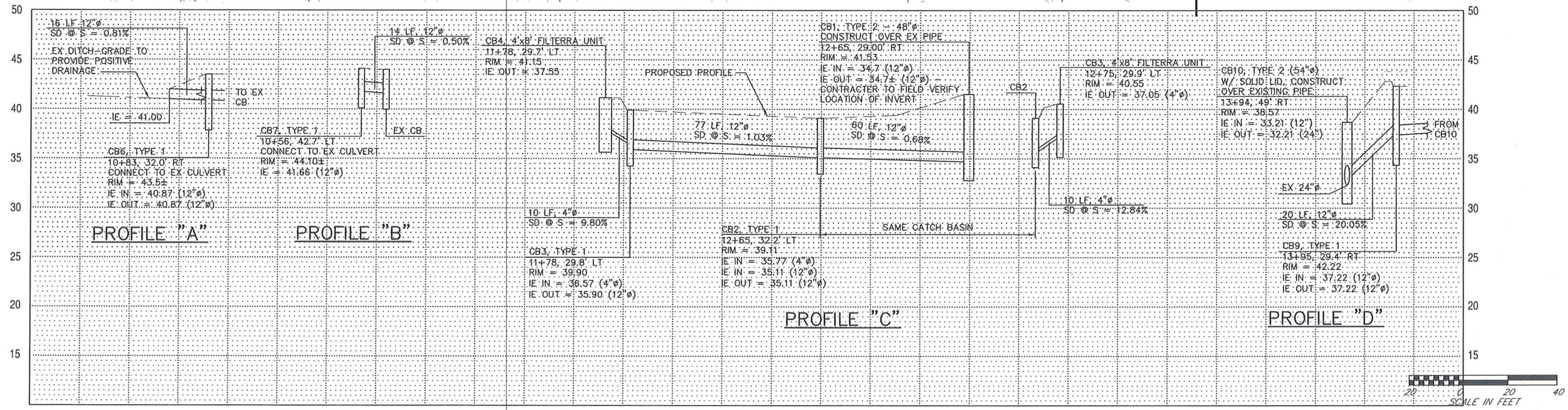


CONSTRUCTION NOTES

1. ADJUST MANHOLE TO GRADE.
2. ADJUST VALVE BOX TO GRADE.
3. RELOCATE FIRE HYDRANT ASSEMBLY. (BY OTHERS)
4. ADJUST CATCH BASIN TO GRADE.
5. RELOCATE POWER POLE. (BY OTHERS)
6. RELOCATE GAS VENT. (BY OTHERS)
7. ADJUST CATCH BASIN TO GRADE AND INSTALL SOLID METAL COVER PER WSDOT STD. PLAN B-30.20-01
8. PLUG EXISTING PIPE.
9. ADJUST POWER VAULT TO GRADE. (BY OTHERS)
10. ADJUST CABLE/TELEPHONE VAULT TO GRADE. (BY OTHERS)
14. RELOCATE IRRIGATION CONTROL BOXES FOR LANDSCAPING. BY OTHERS
15. ADJUST SIGNAL/ILLUMINATION JUNCTION BOXES TO GRADE. SEE SIGNAL AND LIGHTING PLANS.
17. RELOCATE EXISTING LIGHT STANDARD (BY OTHERS).

GENERAL NOTES

1. CATCH BASIN OFFSETS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
2. ALL CATCH BASINS SHALL USE VANED GRATES PER WSDOT STD. PLAN B-30.30-00 UNLESS OTHERWISE NOTED.
3. FILTERRA TREATMENT SYSTEM OR APPROVED EQUAL



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NO.	REVISION	DATE	BY	CK

CITY OF WOODINVILLE
17301 133rd AVE NE
WOODINVILLE, WA 98072
PHONE: (425) 489-2700
FAX: (425)489-2705

PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
DRAINAGE AND UTILITY PLAN & PROFILE

DATE: 12-08-11	CHECKED BY:
DESIGNED BY: BH	PROJECT NO.:
DRAWN BY:	SCALE: 1"=20'
SHEET	OF
DRAWING NO.: DU1	

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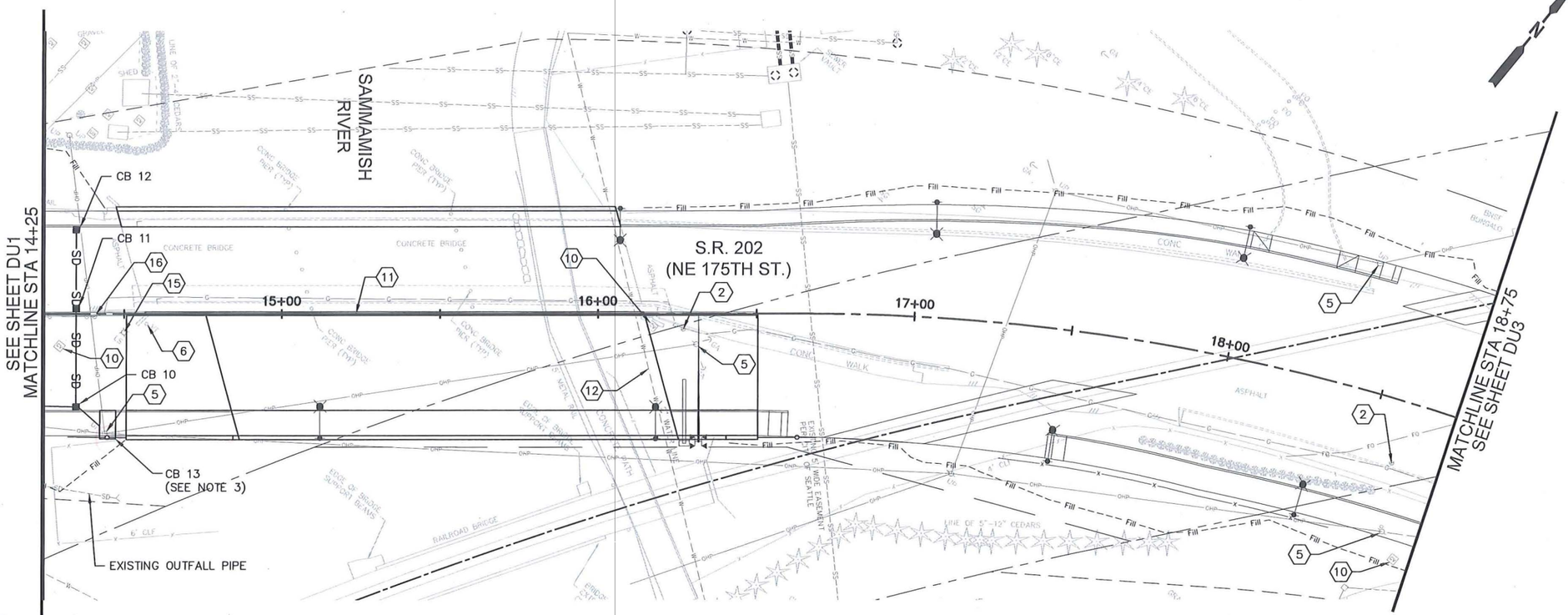
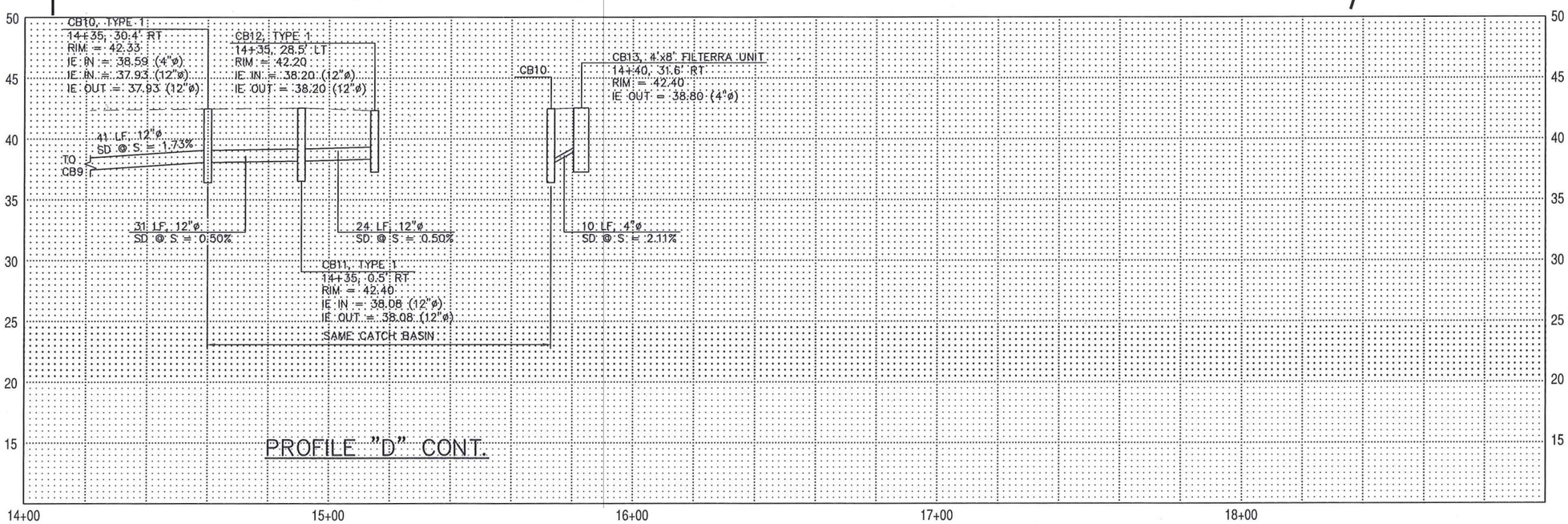


CONSTRUCTION NOTES

- (2) ADJUST VALVE BOX TO GRADE.
- (5) RELOCATE POWER POLE. (BY OTHERS)
- (6) RELOCATE GAS VENT. (BY OTHERS)
- (10) ADJUST CABLE/TELEPHONE VAULT TO GRADE. (BY OTHERS)
- (11) RELOCATE 2 EA-6" PVC CONDUIT HANGING ON SIDE OF EXISTING BRIDGE. (BY OTHERS)
- (12) RELOCATE 2" WATER SERVICE. (BY OTHERS)
- (15) ADJUST SIGNAL/ILLUMINATION JUNCTION BOXES TO GRADE. SEE SIGNAL AND LIGHTING PLANS.
- (16) RELOCATE EXISTING GAS VALVE (BY OTHERS)

GENERAL NOTES

1. CATCH BASIN OFFSETS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
2. ALL CATCH BASINS SHALL USE VANED GRATES PER WSDOT STD. PLAN B-30.30-00 UNLESS OTHERWISE NOTED.
3. FILTERRA TREATMENT SYSTEM OR APPROVED EQUAL.



PROFILE "D" CONT.

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NO.	REVISION	DATE	BY	CK

CITY OF WOODINVILLE
17301 133rd AVE NE
WOODINVILLE, WA 98072
PHONE: (425) 489-2700
FAX: (425)489-2705

PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
DRAINAGE AND UTILITY PLAN & PROFILE

DATE: 12-08-11	CHECKED BY:
DESIGNED BY: BH	PROJECT NO.:
DRAWN BY:	SCALE: 1"=20'
SHEET	OF
DRAWING NO.:	DU2

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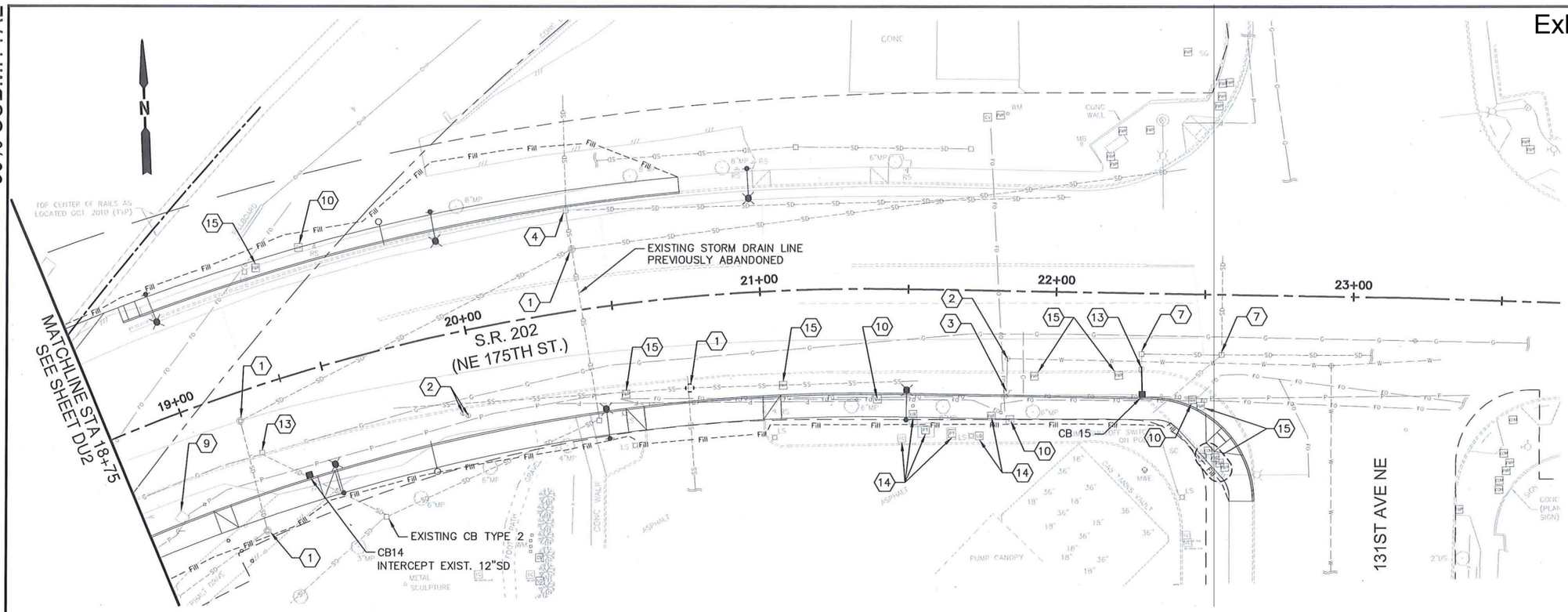
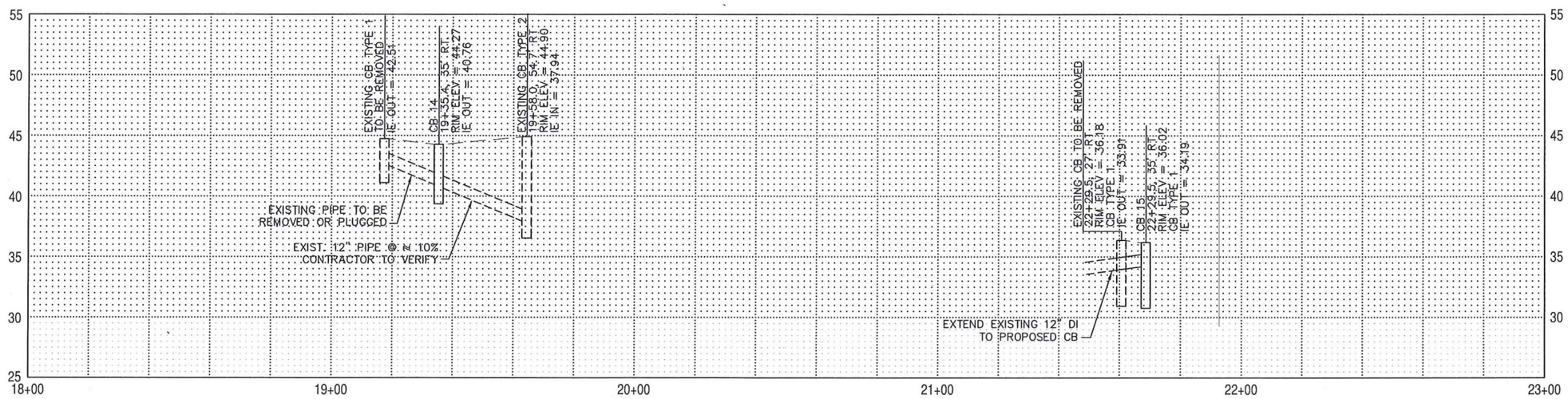


CONSTRUCTION NOTES

1. ADJUST MANHOLE TO GRADE.
2. ADJUST VALVE BOX TO GRADE.
3. RELOCATE FIRE HYDRANT ASSEMBLY. (BY OTHERS)
4. ADJUST CATCH BASIN TO GRADE.
9. ADJUST POWER VAULT TO GRADE. (BY OTHERS)
10. ADJUST CABLE/TELEPHONE VAULT TO GRADE. (BY OTHERS)
13. REMOVE EXISTING DRAINAGE STRUCTURE.
14. RELOCATE IRRIGATION CONTROL BOXES FOR LANDSCAPING. SEE LANDSCAPING PLANS.
15. ADJUST SIGNAL/ILLUMINATION JUNCTION BOXES TO GRADE. SEE SIGNAL AND LIGHTING PLANS.

GENERAL NOTES

1. CATCH BASIN OFFSETS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
2. ALL CATCH BASINS SHALL USE VANED GRATES PER WSDOT STD. PLAN B-30.30-00 UNLESS OTHERWISE NOTED.



20 0 20 40
SCALE IN FEET

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SEATTLE, WASHINGTON 98104
PHONE: (206) 674-4200
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NO.	REVISION	DATE	BY	CK

CITY OF WOODINVILLE
17301 133rd AVE NE
WOODINVILLE, WA 98072
PHONE: (425) 489-2700
FAX: (425)489-2705

PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
DRAINAGE AND UTILITY PLAN & PROFILE

DATE: 12-08-11	CHECKED BY:
DESIGNED BY: BH	PROJECT NO.:
DRAWN BY:	SCALE: 1"=20'
SHEET	OF
DRAWING NO.: DU3	

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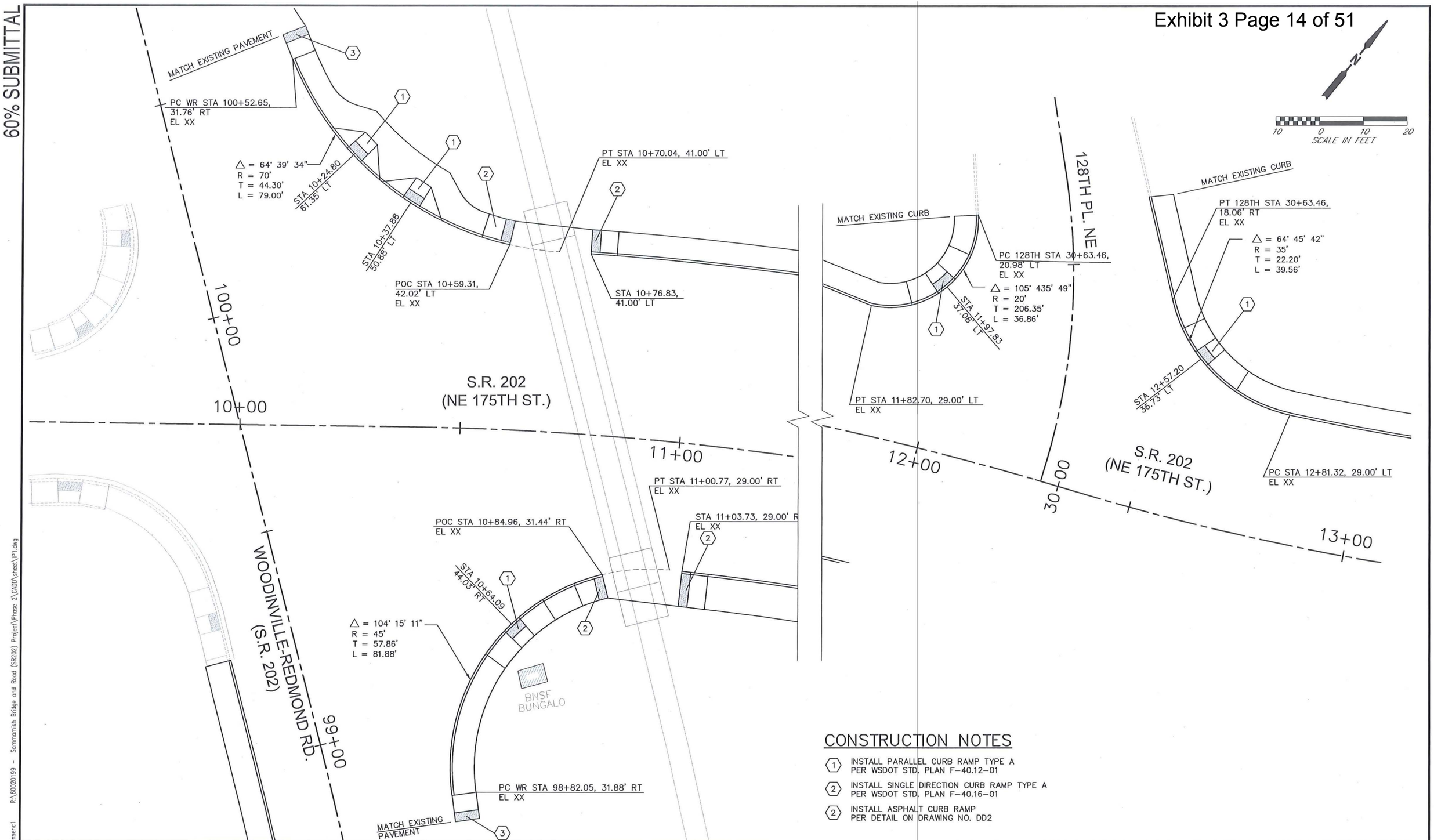

CONSTRUCTION NOTES

1. INSTALL PARALLEL CURB RAMP TYPE A PER WSDOT STD. PLAN F-40.12-01
2. INSTALL SINGLE DIRECTION CURB RAMP TYPE A PER WSDOT STD. PLAN F-40.16-01
2. INSTALL ASPHALT CURB RAMP PER DETAIL ON DRAWING NO. DD2

AECOM
701 5TH AVENUE, SUITE 1100
SEATTLE, WASHINGTON 98104
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NO.	REVISION	DATE	BY	CK
1	REVISION 1	00/00/10	XXX	XXX
2				
3				
4				
5				

CITY OF WOODINVILLE
17301 133rd AVE NE
WOODINVILLE, WA 98072
PHONE: (425) 489-2700
FAX: (425)489-2705

PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
INTERSECTION PLAN

DATE: 12-08-2011	CHECKED BY: AL
DESIGNED BY: BJH	PROJECT NO.: XX
DRAWN BY: YD	SCALE: 1"=10'
SHEET XX OF	
DRAWING NO.: IP1	

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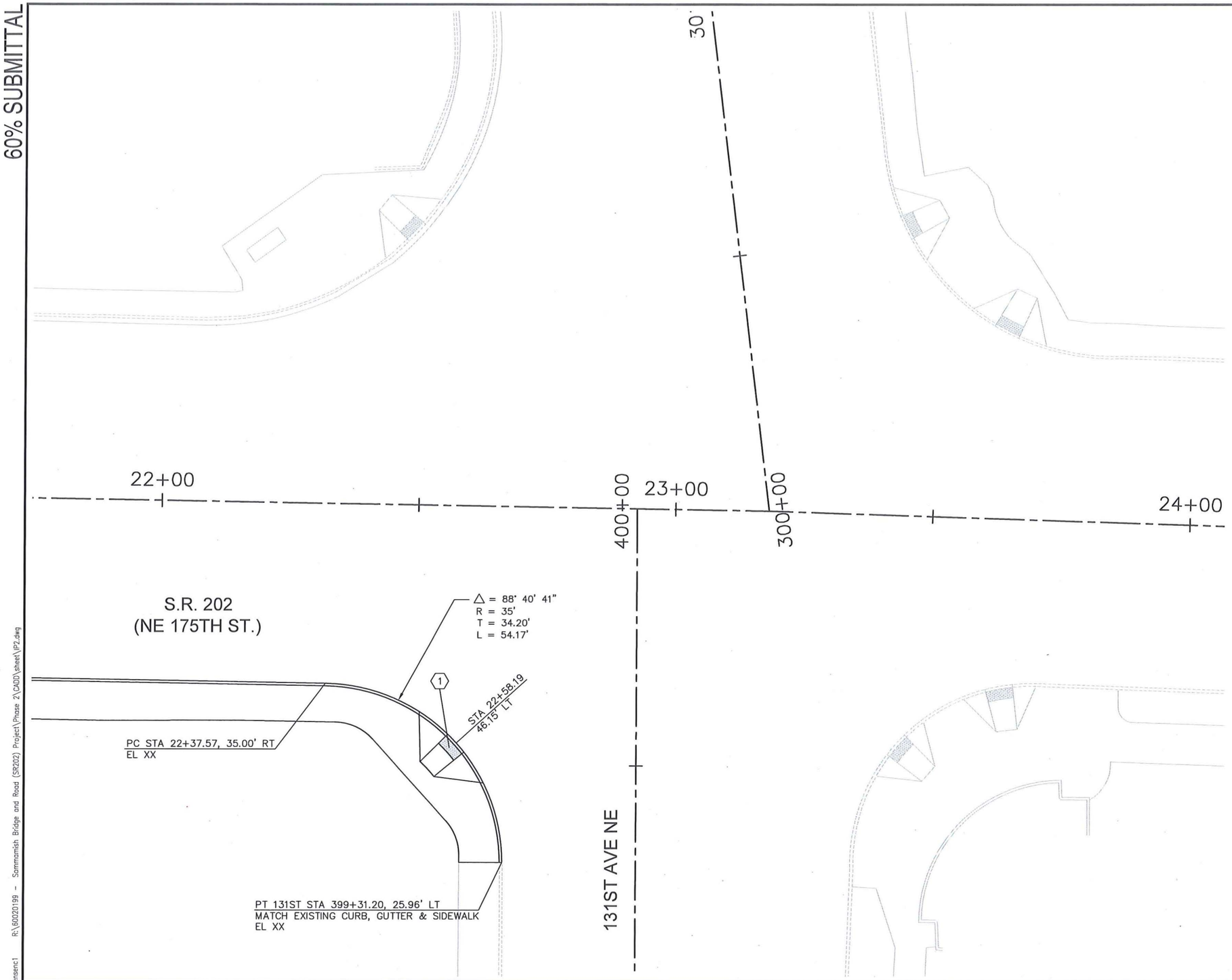

CONSTRUCTION NOTES

1. INSTALL PARALLEL CURB RAMP TYPE A PER WSDOT STD. PLAN F-40.12-01

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1	REVISION 1	00/00/10	XXX	XXX
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4				
5				

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PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
INTERSECTION PLAN

DATE: 12-08-2011	CHECKED BY: AL
DESIGNED BY: BJH	PROJECT NO.: XX
DRAWN BY: YD	SCALE: 1"=10'
SHEET XX OF	
DRAWING NO.: IP2	

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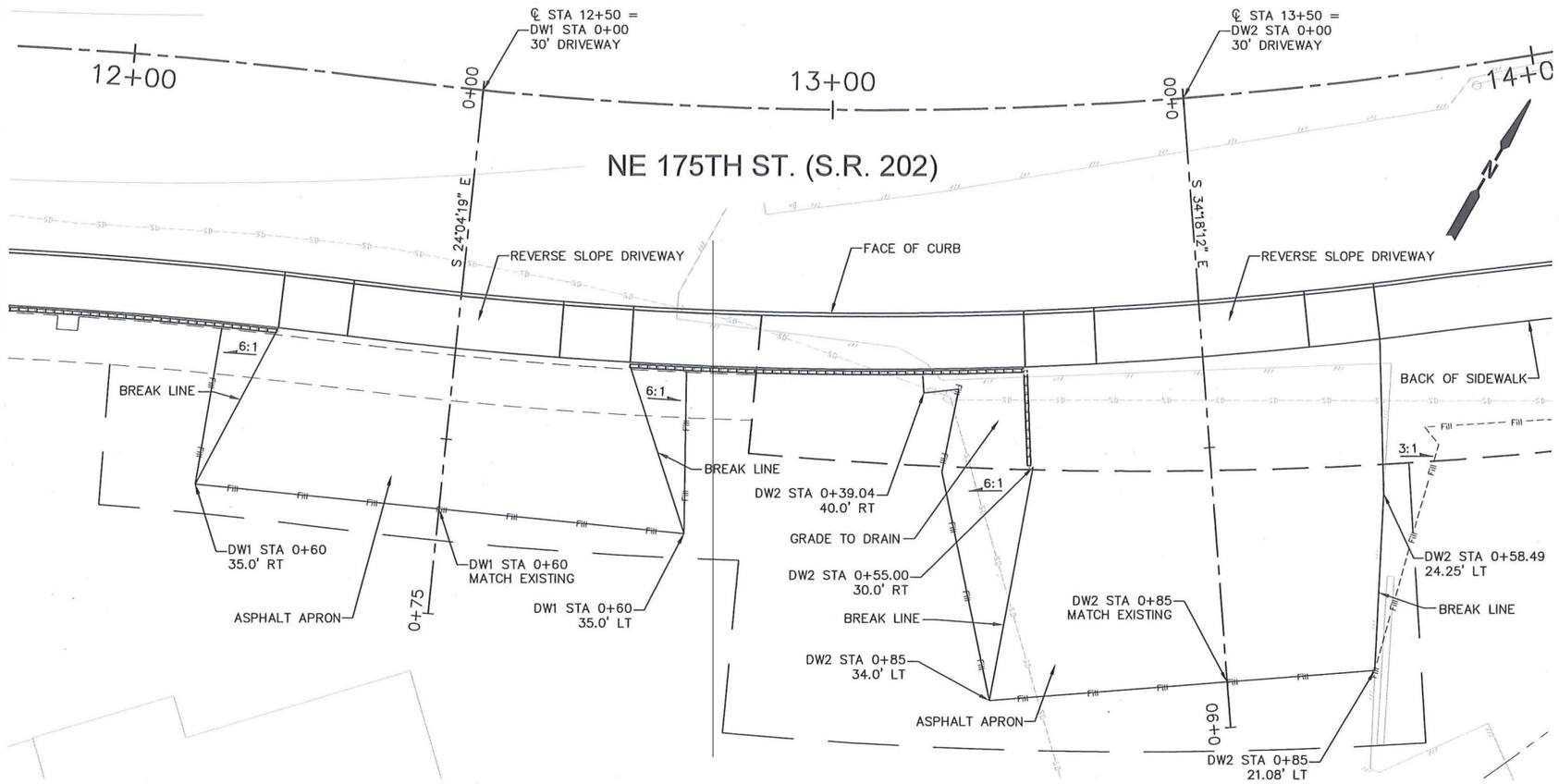
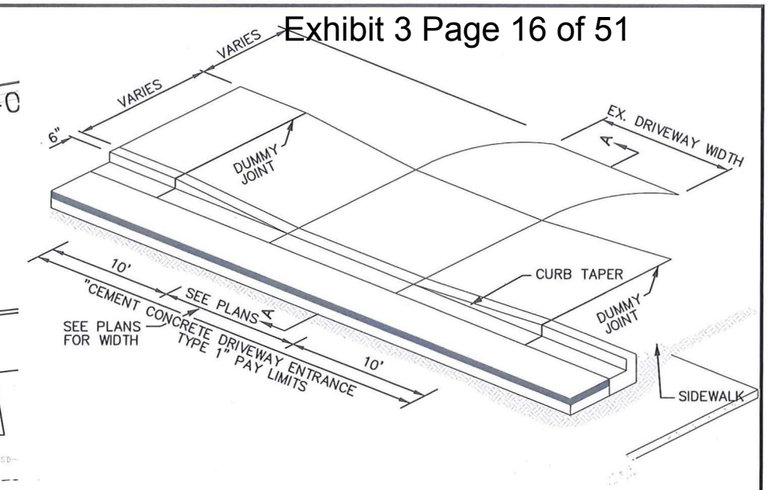
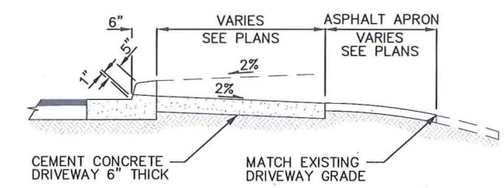


DW1

DW2

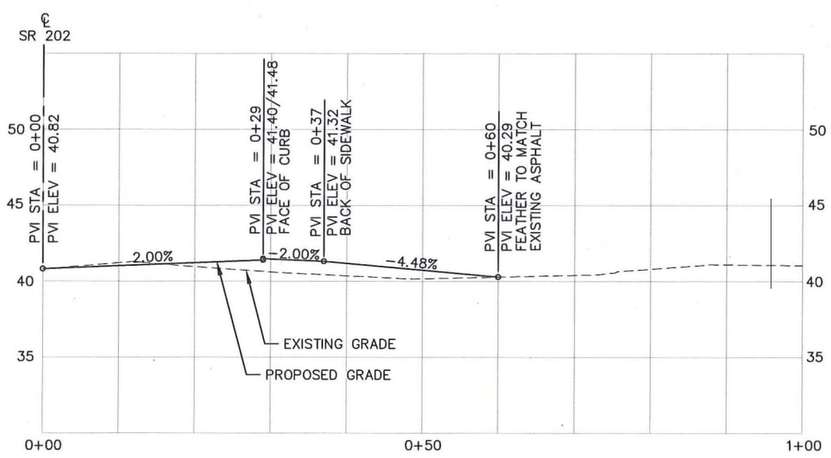


CEMENT CONCRETE DRIVEEWAY ENTRANCE TYPE 1

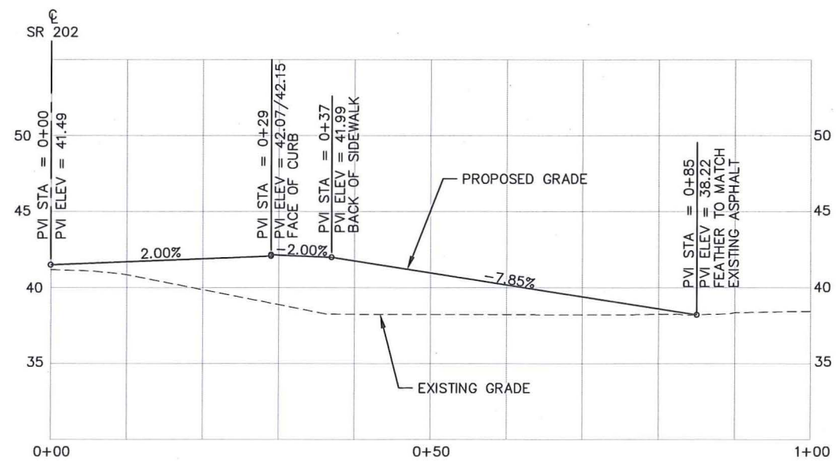


SECTION A–A

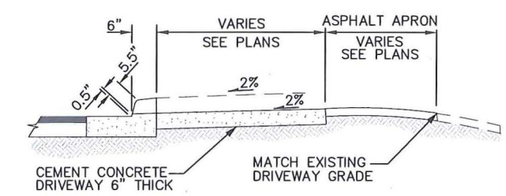
REVERSE SLOPE DRIVEWAY



DW1 STA 12+50, RT



DW2 STA 13+50, RT



SECTION A–A

NORMAL SLOPE DRIVEWAY

NOTES:

1. SEE WSDOT STANDARD PLAN F-80.10-01, TYPE 1 FOR MISCELLANEOUS DETAILS.
2. "CEMENT CONCRETE DRIVEWAY ENTRANCE TYPE 1" PAY LIMITS SHALL BE AS SHOWN TIMES THE WIDTH OF THE SIDEWALK.
3. ASPHALT APRON SHALL CONSIST OF 0.2' DEPTH HMA CL. 1/2 IN. PG 64-22 OVER 0.3' DEPTH CSTC OVER GRAVEL BORROW.

10 0 10 20
SCALE IN FEET

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PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
DRIVEWAY PLAN & PROFILES

DATE: 12-08-2011	CHECKED BY: AL
DESIGNED BY: BJH	PROJECT NO.: XX
DRAWN BY: YD	SCALE: 1"=10'
SHEET XX OF	
DRAWING NO.: DW1	

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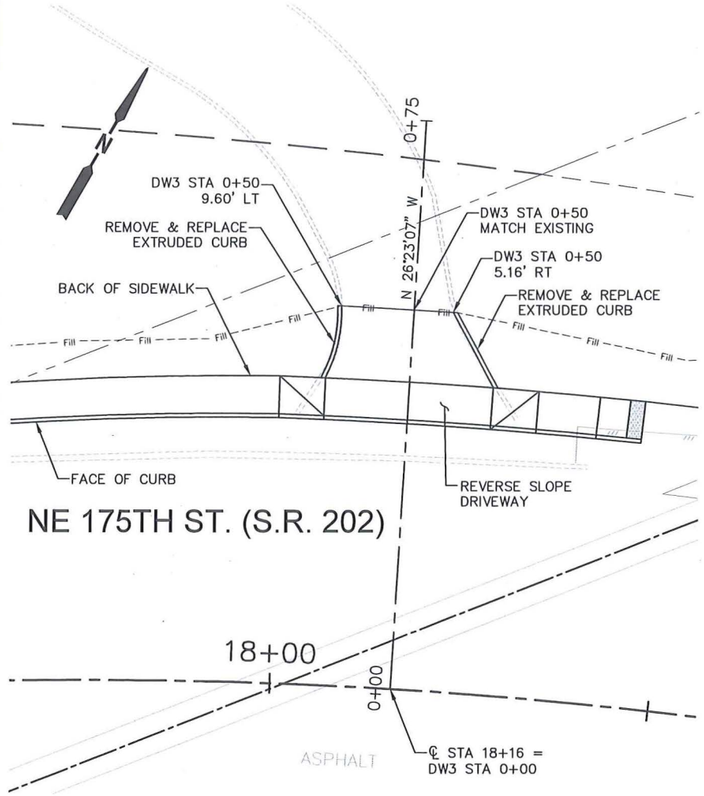
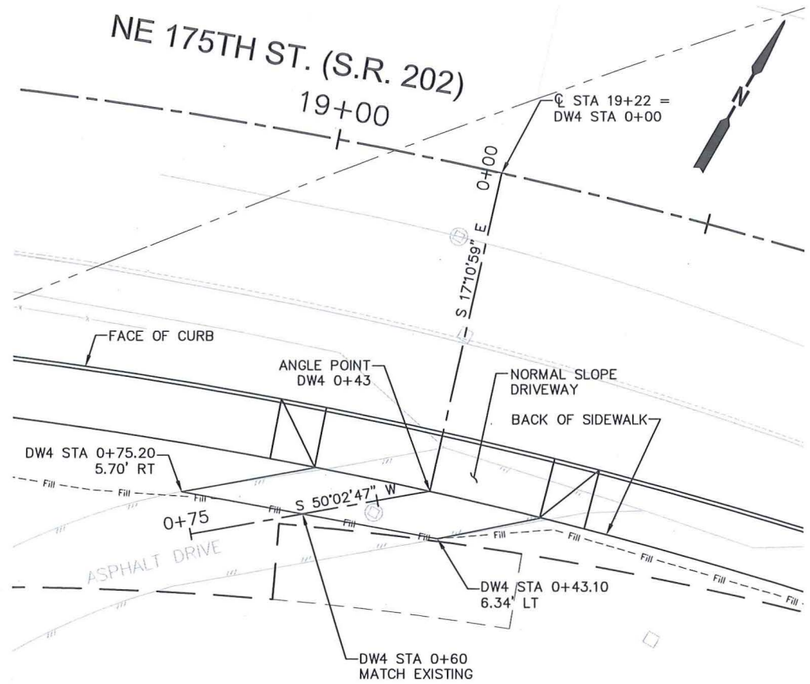
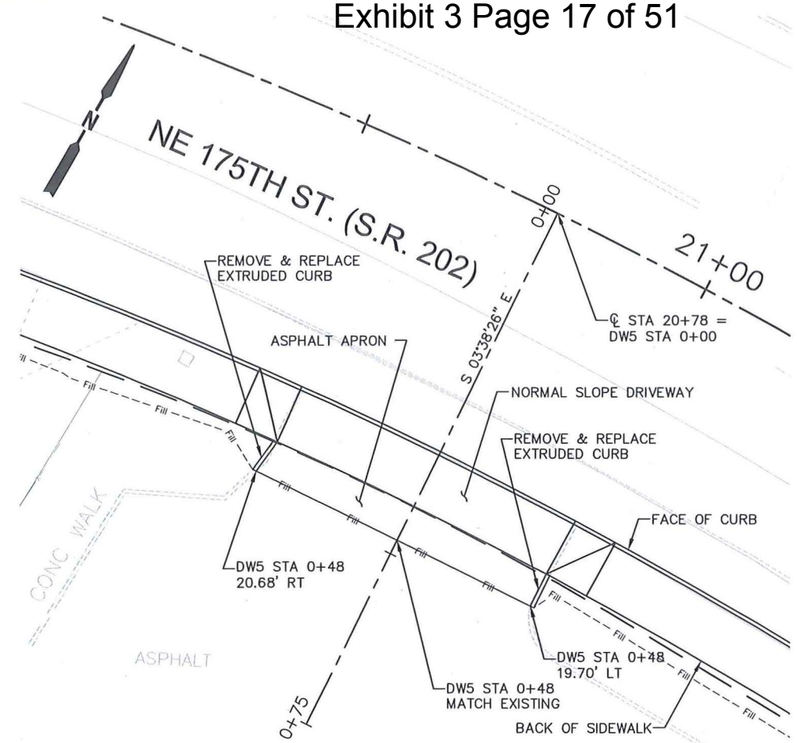


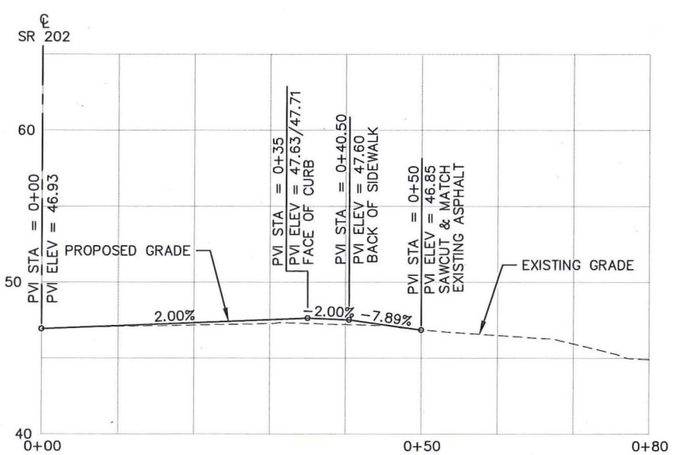
DW3



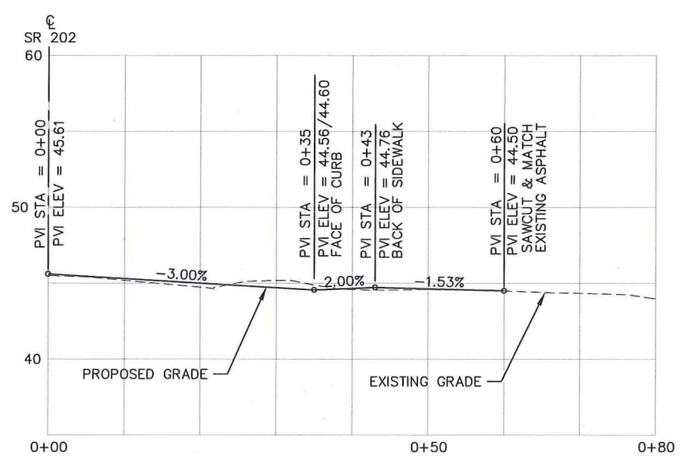
DW4



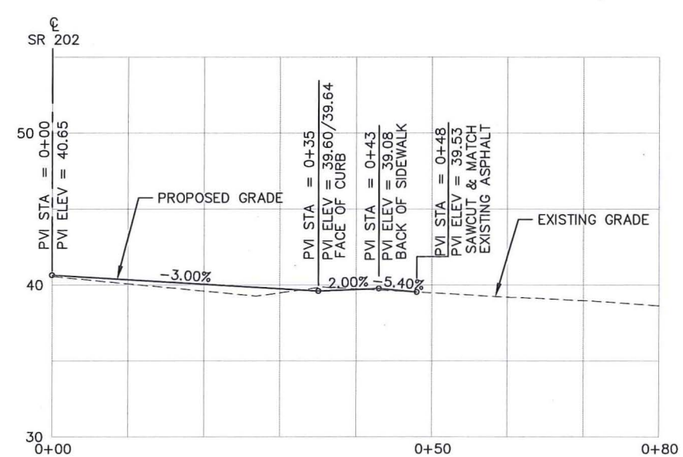
DW5



DW3 STA 18+16, LT



DW4 STA 19+22, RT



DW5 STA 20+78, RT

10 0 10 20
SCALE IN FEET

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PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
DRIVEWAY PLAN & PROFILES

DATE: 12-8-2011	CHECKED BY: AL
DESIGNED BY: BJH	PROJECT NO.: XX
DRAWN BY: YD	SCALE: 1"=10'
SHEET XX OF	
DRAWING NO.: DW2	

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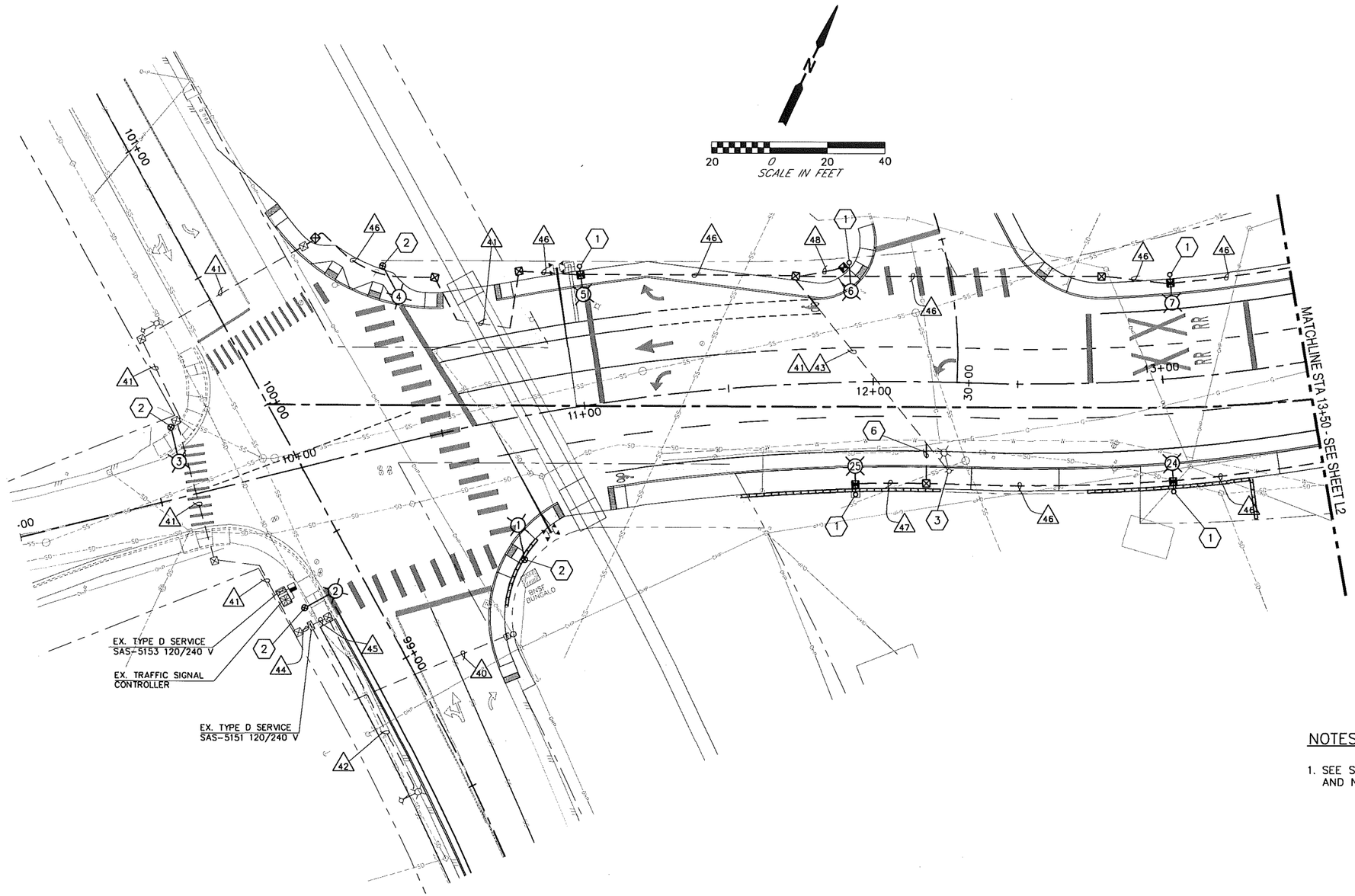

LEGEND (NTS)

EXISTING	NEW	
		CONTROLLER CABINET
		SERVICE CABINET
		JUNCTION BOX TYPE 1
		JUNCTION BOX NEMA
		CONDUIT
		RIGHT-OF-WAY
		LUMINAIRE, ARM AND POLE
		LUMINAIRE, ARM ON SIGNAL POLE
		WIRE NOTE
		CONSTRUCTION NOTE

NOTES:

1. SEE SHEET IL3 FOR LUMINAIRE SCHEDULE, WIRING DIAGRAM AND NOTES.

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PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
LIGHTING PLAN

DATE: 12-07-11	CHECKED BY:
DESIGNED BY: JP	PROJECT NO.:
DRAWN BY: FDM	SCALE: 1"=20'
SHEET	OF
DRAWING NO.: IL1	

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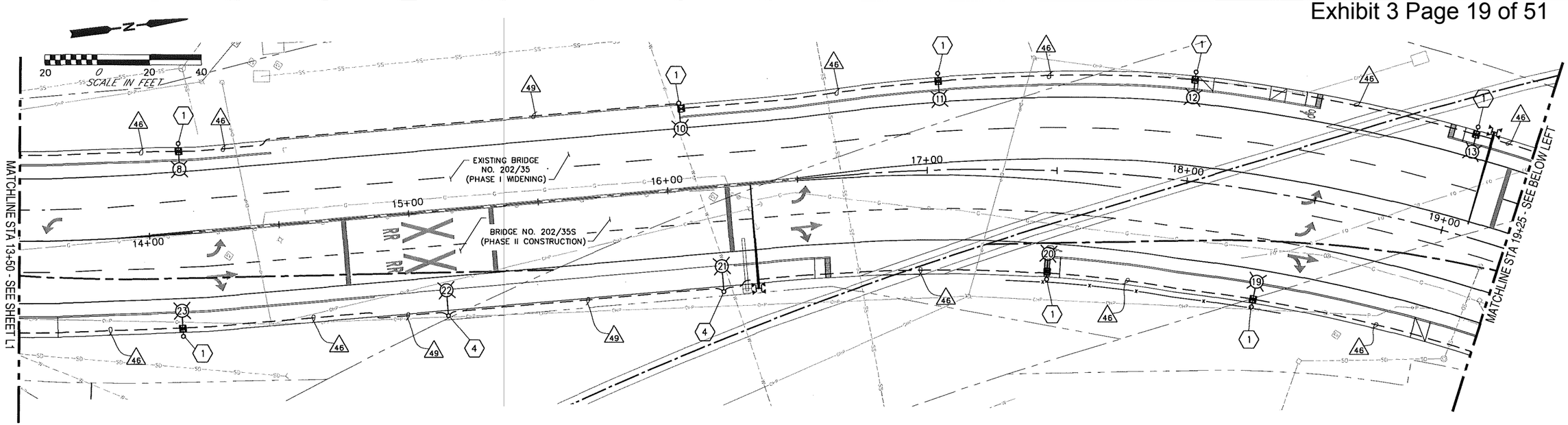

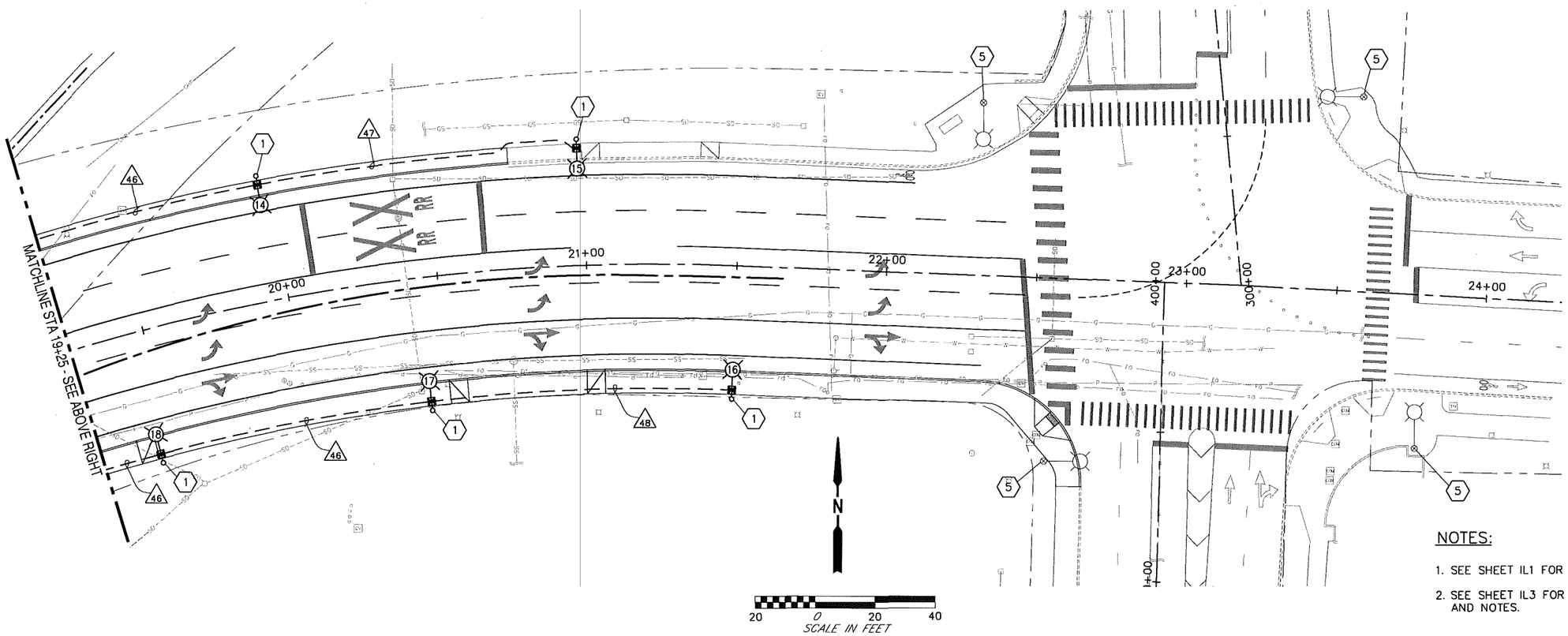

NOTES:

1. SEE SHEET IL1 FOR LEGEND.
2. SEE SHEET IL3 FOR LUMINAIRE SCHEDULE, WIRING DIAGRAM AND NOTES.

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PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
LIGHTING PLAN

DATE: 12-07-11	CHECKED BY:
DESIGNED BY: JP	PROJECT NO.:
DRAWN BY: FDM	SCALE: 1"=20'
SHEET	OF
DRAWING NO.:	IL2

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CONSTRUCTION NOTES:

1. INSTALL NEW LUMINAIRE AND POLE AND CONNECT TO SERVICE.
2. LUMINAIRE ON SIGNAL POLE. SEE TRAFFIC SIGNAL PLANS.
3. REMOVE EXISTING LUMINAIRE AND POLE.
4. INSTALL NEW LUMINAIRE ON BRIDGE AND CONNECT TO SERVICE.
5. EXISTING LUMINAIRE ON EXISTING SIGNAL POLE (TO REMAIN).
6. EXTEND EXISTING CONDUIT INTO PROPOSED JUNCTION BOX.

LUMINAIRE SCHEDULE — SERVICE NO. SAS-5151

LUMINAIRE NUMBER	CIRCUIT	LOCATION STATION	LOCATION OFFSET	TYPE - DISTRIBUTION - WATTAGE	MAST ARM	H1	BASE TYPE	COMMENTS
1	–	10+68	49' RT	III – MED CUTOFF – 400 HPS	16'	35'		ON SIGNAL STANDARD
2	–	9+90	47' RT	III – MED CUTOFF – 400 HPS	16'	35'		ON SIGNAL STANDARD
3	–	9+59	25' LT	III – MED CUTOFF – 400 HPS	16'	35'		ON SIGNAL STANDARD
4	–	10+43	61' LT	III – MED CUTOFF – 400 HPS	16'	35'		ON SIGNAL STANDARD
5	A	11+05.2	51.3' LT	III – MED CUTOFF – 150 HPS	1'	18'	SLIP	
6	B	11+92.5	45.0' LT	III – MED CUTOFF – 150 HPS	1'	18'	SLIP	
7	A	13+05.6	36.0' LT	III – MED CUTOFF – 150 HPS	1'	18'	SLIP	
8	B	14+13.8	34.4' LT	III – MED CUTOFF – 150 HPS	1'	18'	SLIP	
9	–	–	–	–	–	–		NOT USED
10	B	16+07.0	34.6' LT	III – MED CUTOFF – 150 HPS	1'	18'		
11	A	17+04.9	37.2' LT	III – MED CUTOFF – 150 HPS	1'	18'	SLIP	
12	B	17+98.6	42.0' LT	III – MED CUTOFF – 150 HPS	1'	18'	SLIP	
13	A	19+02.8	42.0' LT	III – MED CUTOFF – 150 HPS	1'	18'	SLIP	
14	B	19+96.6	42.0' LT	III – MED CUTOFF – 150 HPS	1'	18'	SLIP	
15	A	20+97.9	42.2'± LT	III – MED CUTOFF – 150 HPS	1'	18'	SLIP	
16	B	21+50.0	44.5' RT	III – MED CUTOFF – 150 HPS	1'	18'	SLIP	
17	A	20+43.2	44.5' RT	III – MED CUTOFF – 150 HPS	1'	18'	SLIP	
18	B	19+45.3	44.5' RT	III – MED CUTOFF – 150 HPS	1'	18'	SLIP	
19	A	18+32.7	44.5' RT	III – MED CUTOFF – 150 HPS	1'	18'	SLIP	
20	B	17+46.0	44.4' RT	III – MED CUTOFF – 150 HPS	1'	18'	SLIP	
21	A	16+18.2	40.6' RT	III – MED CUTOFF – 150 HPS	1'	18'		BRIDGE MOUNTED
22	B	15+12..1	40.6' RT	III – MED CUTOFF – 150 HPS	1'	18'		BRIDGE MOUNTED
23	A	14+09.7	38.5' RT	III – MED CUTOFF – 150 HPS	1'	18'	SLIP	
24	B	13+00.9	39.6' RT	III – MED CUTOFF – 150 HPS	1'	18'	SLIP	
25	A	11+93.5	38.5' RT	III – MED CUTOFF – 150 HPS	1'	18'	SLIP	

WIRING SCHEDULE — SERVICE NO. SAS-5151

△ NO.	CONDUIT SIZE	CONDUCTORS EXISTING	CONDUCTORS NEW	CIRCUIT	COMMENTS
40	EX. 3"	–	3-#4/0	–	SERVICE
41	EX. 1-1/2"	–	4-#6	A/B	
42	EX. 1-1/2"	2-#8	–	A	–
43	EX. 2"	–	–	–	SPARE
44	EX. 3"	–	2-#6	B	–
45	EX. 3"	2-#8	–	A	–
46	1-1/2"	–	4-#6	A/B	–
47	1-1/2"	–	2-#6	A	–
48	1-1/2"	–	2-#6	B	–
49	1-1/2"	–	4-#6	A/B	IN BRIDGE STRUCTURE

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PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
LIGHTING NOTES AND SCHEDULES

DATE: 12-07-11	CHECKED BY:
DESIGNED BY: JP	PROJECT NO.:
DRAWN BY: FDM	SCALE: 1"=20'
SHEET	OF
DRAWING NO.: IL3	

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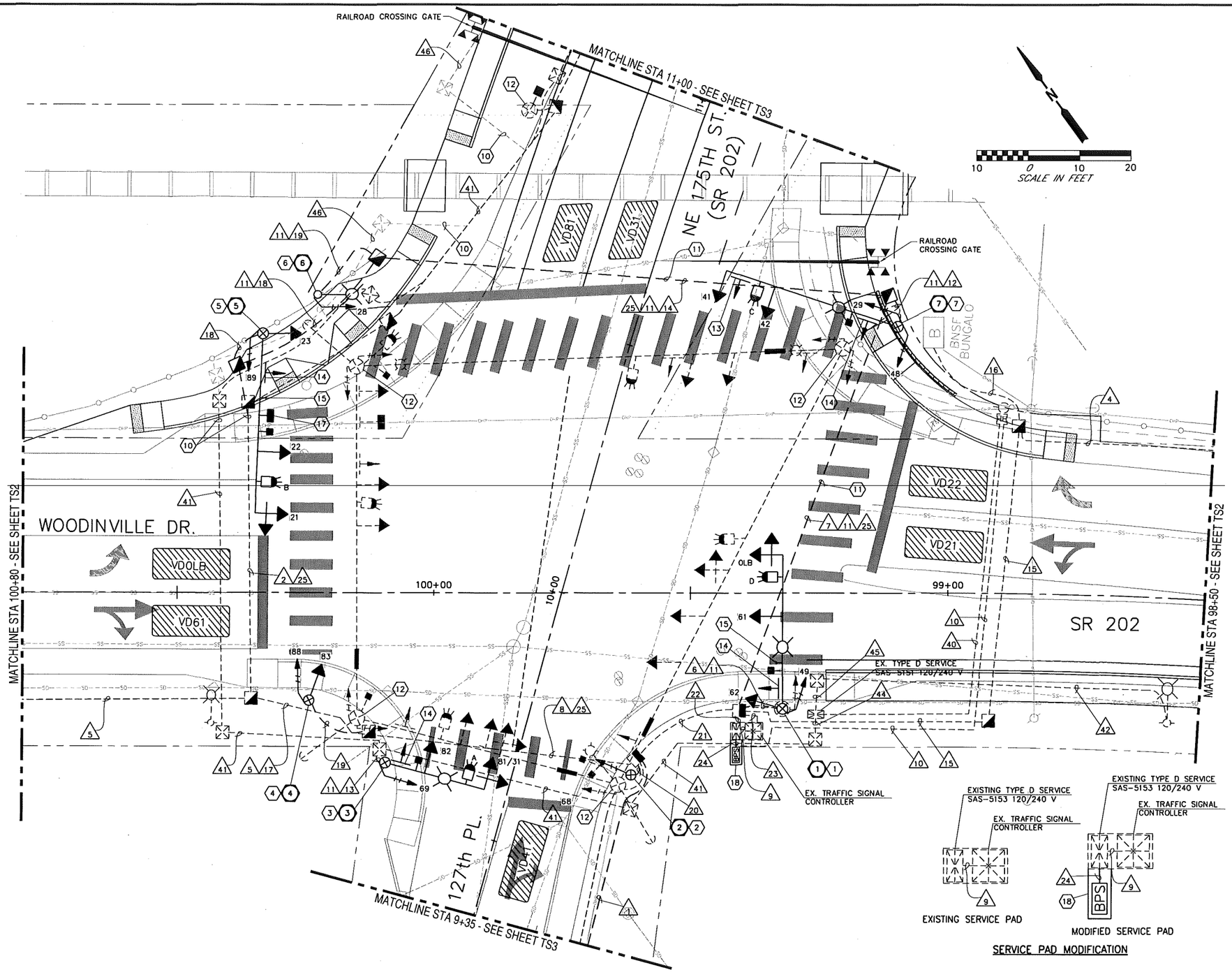

LEGEND (NTS)

EXISTING	NEW	
		VEHICLE SIGNAL HEADS
		PEDESTRIAN SIGNAL HEAD
		SIGN
		INTERNALLY ILLUMINATED SIGN
		VIDEO DETECTION CAMERA
		PRE-EMPTION DETECTOR
		LUMINAIRE AND ARM
		UTILITY POLE
		SIGNAL POLE
		CONTROLLER CABINET
		SERVICE CABINET
	BPS	BACKUP POWER SOURCE
		JUNCTION BOX TYPE 1
		JUNCTION BOX TYPE 2
		JUNCTION BOX TYPE 8
		CONDUIT
		RIGHT-OF-WAY
		TYPE 3 INDUCTION LOOP
	X	WIRE NOTE
	X	CONSTRUCTION NOTE
		VIDEO DETECTION AREA
B		RAILROAD BUNGALOW
HH		UTILITY COMPANY HAND HOLE

ABBREVIATION LIST	
E.V.	EMERGENCY VEHICLE
E.V.P	EMERGENCY VEHICLE PRE-EMPTION
EX.	EXISTING
ILLUM.	ILLUMINATION
LT.	LEFT
MAX.	MAXIMUM
MIN.	MINIMUM
N/A	NOT APPLICABLE
PED.	PEDESTRIAN
PPB	PEDESTRIAN PUSH BUTTON
REF.	REFERENCE
RT.	RIGHT
STA.	STATION
STD.	STANDARD
VD.	VIDEO DETECTION
VEH.	VEHICLE
H.H.	HAND HOLE
BNSF	BURLINGTON NORTHERN SANTA FE

NOTES:

1. SEE SHEETS TS4 & TS5 FOR NOTES, PHASE DIAGRAM AND WIRE SCHEDULE.

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PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
NE 127TH ST./WOODINVILLE DR./ NE 175TH ST. (SR 202) TRAFFIC SIGNAL PLAN

DATE: 02-02-12	CHECKED BY:
DESIGNED BY: JP	PROJECT NO.:
DRAWN BY: FDM	SCALE: 1"=10'
SHEET	OF
DRAWING NO.: TS1	

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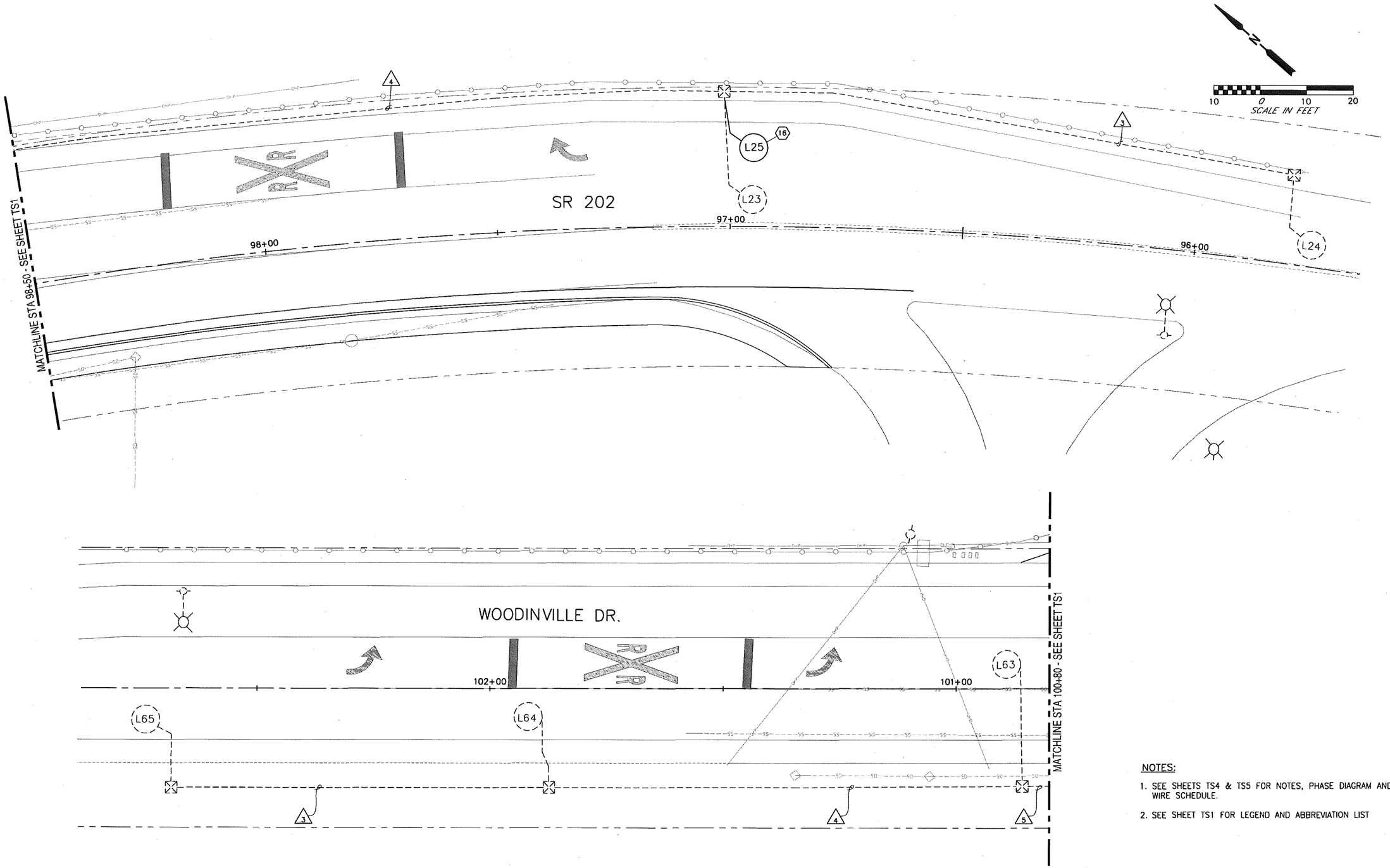

NOTES:

1. SEE SHEETS TS4 & TS5 FOR NOTES, PHASE DIAGRAM AND WIRE SCHEDULE.
2. SEE SHEET TS1 FOR LEGEND AND ABBREVIATION LIST

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PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
NE 127TH ST./WOODINVILLE DR./ NE 175TH ST. (SR 202) TRAFFIC SIGNAL PLAN

DATE: 02-02-12	CHECKED BY:
DESIGNED BY: JP	PROJECT NO.:
DRAWN BY: FDM	SCALE: 1"=10'
SHEET	OF
DRAWING NO.: TS2	

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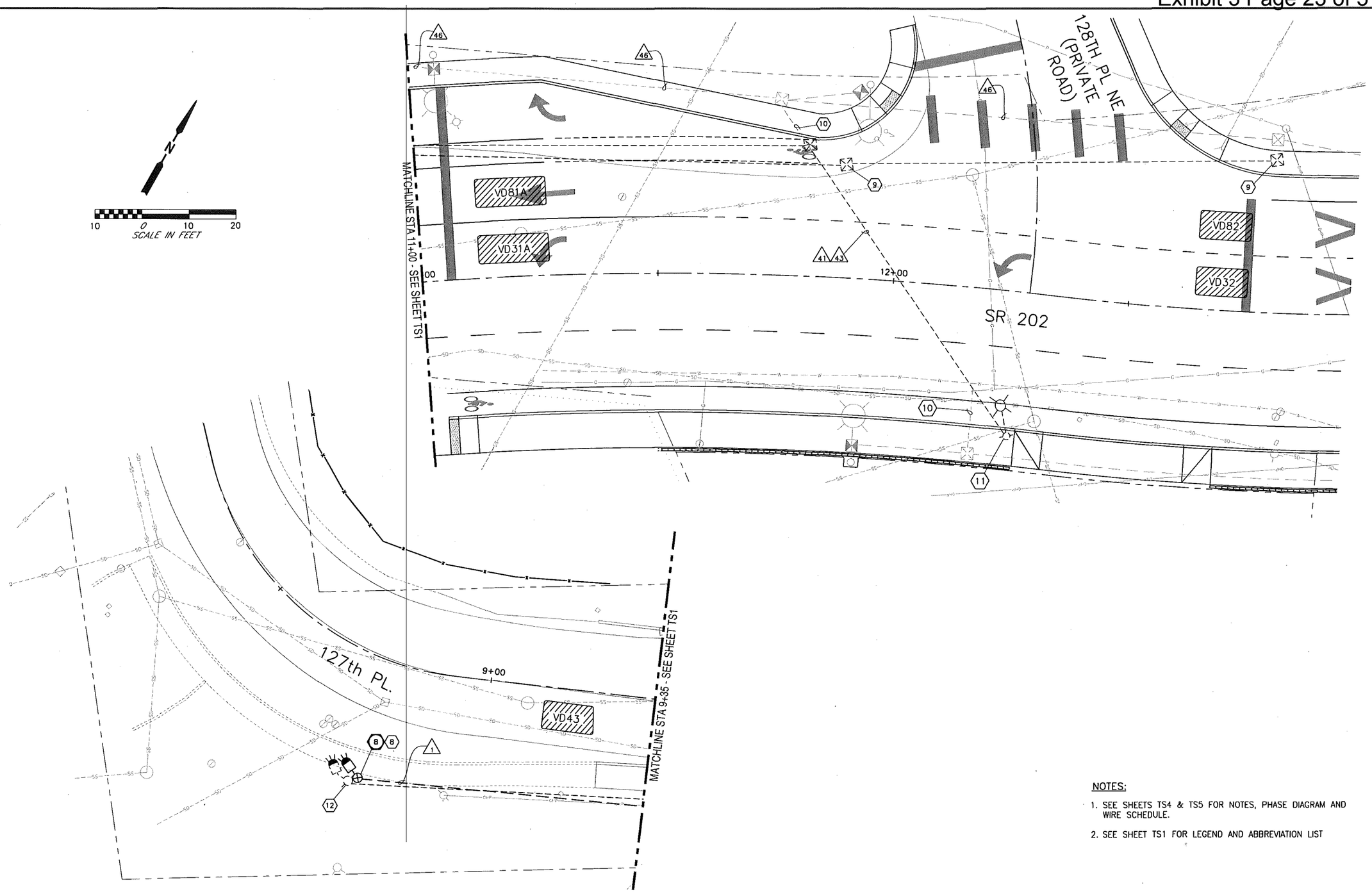

NOTES:

1. SEE SHEETS TS4 & TS5 FOR NOTES, PHASE DIAGRAM AND WIRE SCHEDULE.
2. SEE SHEET TS1 FOR LEGEND AND ABBREVIATION LIST

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PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
NE 127TH ST./WOODINVILLE DR./ NE 175TH ST. (SR 202) TRAFFIC SIGNAL PLAN

DATE: 02-02-12	CHECKED BY:
DESIGNED BY: JP	PROJECT NO.:
DRAWN BY: FDM	SCALE: 1"=10'
SHEET	OF
DRAWING NO.: TS3	

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GENERAL NOTES:

1. NO JUNCTION BOXES SHALL BE LOCATED WITHIN THE ROADWAY.

CONSTRUCTION NOTES:

(1) CONSTRUCT FOUNDATION LEVEL WITH THE SIDEWALK ELEVATION AND INSTALL SIGNAL STANDARD TYPE III POLE WITH 27' MAST ARM, THREE VEHICLE HEADS, EMERGENCY VEHICLE DETECTION, ONE PEDESTRIAN SIGNAL HEAD, ONE PEDESTRIAN PUSH BUTTON, 16' LUMINAIRE ARM AND ASSEMBLY, ONE 400 WATT HPS-MC TYPE III LUMINAIRE, TERMINAL CABINET, AND ONE VIDEO DETECTION CAMERA.

(2) CONSTRUCT FOUNDATION AND INSTALL TYPE PS POLE, ONE PEDESTRIAN HEAD, AND ONE PUSH BUTTON.

(3) CONSTRUCT FOUNDATION LEVEL WITH THE SIDEWALK ELEVATION AND INSTALL SIGNAL STANDARD TYPE III POLE WITH 16' MAST ARM, TWO VEHICLE HEADS, EMERGENCY VEHICLE DETECTION, ONE PEDESTRIAN SIGNAL HEAD, ONE PEDESTRIAN PUSH BUTTON, 16' LUMINAIRE ARM AND ASSEMBLY, ONE 400 WATT HPS-MC TYPE III LUMINAIRE, TERMINAL CABINET, AND ONE VIDEO DETECTION CAMERA.

(4) CONSTRUCT FOUNDATION LEVEL WITH THE SIDEWALK ELEVATION AND INSTALL SIGNAL STANDARD TYPE I POLE, ONE VEHICLE HEADS, ONE PEDESTRIAN SIGNAL HEAD, ONE PEDESTRIAN PUSH BUTTON.

(5) CONSTRUCT FOUNDATION LEVEL WITH THE SIDEWALK ELEVATION AND INSTALL SIGNAL STANDARD TYPE II POLE WITH 32' MAST ARM, THREE VEHICLE HEADS, EMERGENCY VEHICLE DETECTION, ONE PEDESTRIAN SIGNAL HEAD, ONE PEDESTRIAN PUSH BUTTON, TERMINAL CABINET, AND ONE VIDEO DETECTION CAMERA.

(6) CONSTRUCT FOUNDATION LEVEL WITH THE SIDEWALK ELEVATION AND INSTALL 35' LUMINAIRE POLE, ONE PEDESTRIAN SIGNAL HEAD, ONE PEDESTRIAN PUSH BUTTON, 16' LUMINAIRE ARM AND ASSEMBLY, ONE 400 WATT HPS-MC TYPE III LUMINAIRE, TERMINAL CABINET,

(7) CONSTRUCT FOUNDATION LEVEL WITH THE SIDEWALK ELEVATION AND INSTALL SIGNAL STANDARD TYPE III POLE WITH 36' MAST ARM, TWO VEHICLE HEADS, EMERGENCY VEHICLE DETECTION, TWO PEDESTRIAN SIGNAL HEADS, TWO PEDESTRIAN PUSH BUTTONS, 16' LUMINAIRE ARM AND ASSEMBLY, ONE 400 WATT HPS-MC TYPE III LUMINAIRE, TERMINAL CABINET, AND ONE VIDEO DETECTION CAMERA.

(8) CONSTRUCT FOUNDATION AND INSTALL TYPE PS POLE, ONE EMERGENCY VEHICLE DETECTION.

(9) REMOVE EXISTING LIGHTING PULL BOX AND CONDUCTORS.

(10) INTERCEPT EXISTING CONDUIT AND EXTEND TO PROPOSED JUNCTION BOX.

(11) REMOVE EXISTING STREET LIGHT POLE, MAST ARM, FIXTURE AND FOUNDATION. SEE SPECIAL PROVISIONS.

(12) REMOVE EXISTING SIGNAL EQUIPMENT, HARDWARE, AND CONDUCTORS. SEE SPECIAL PROVISIONS.

(13) INSTALL "NO LEFT TURN" SIGN.

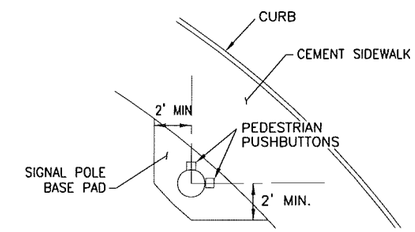
(14) INSTALL STREET NAME SIGN.

(15) INSTALL TENON FOR FUTURE VEHICLE HEAD..

(16) INSTALL TYPE 3 ADVANCED LOOP DETECTOR. SEE WSDOT STANDARD PLAN J-50.12-00.

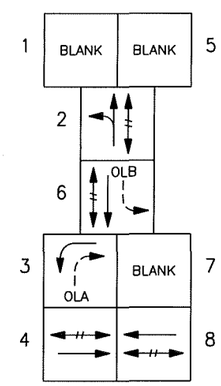
(17) INSTALL LED BLANKOUT SIGN ON MAST ARM. SEE WSDOT STANDARD PLAN J-75.30-1 FOR DETAILS.

(18) MODIFY AND EXTEND EXISTING TRAFFIC SIGNAL SERVICE PAD. INSTALL BACKUP POWER SOURCE. INSTALL 2" CONDUIT BETWEEN BPS AND SERVICE PEDESTAL. CONNECT CONTROLLER POWER FROM SERVICE PEDESTAL TO BPS, THEN RUN CONTROLLER POWER FROM BPS THROUGH SERVICE PEDESTAL TO CONTROLLER CABINET.



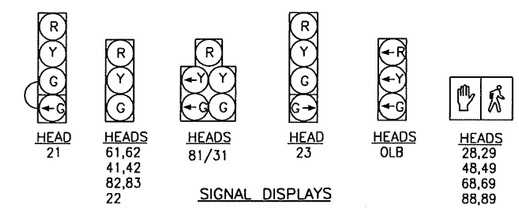
SIGNAL POLE BASE PAD DETAIL

NOTE: SIGNAL POLE BASE PAD TO BE CONCRETE CEMENT, CLASS 3000



OLA = ϕ3
OLB = ϕ6

PHASE DIAGRAM



SIGNAL DISPLAYS

SIGNAL DISPLAY NOTES:

1. ALL VEHICLE SIGNAL HEADS SHALL HAVE 12" LENSES AND LED LIGHT SOURCES.
2. ALL VEHICLE HEADS SHALL HAVE BACKPLATES, AND POLYCARBONATE TUNNEL VISORS.
3. ALL PED HEADS SHALL BE THE LED TYPE.
4. PED HEADS ON THE PS POLE SHALL UTILIZE TOP MOUNT TYPE MOUNTING.
5. PED PUSH-BUTTONS ON THE PS POLE SHALL UTILIZE PPB-M MOUNTING.
6. EMERGENCY VEHICLE PRE-EMPTION DETECTORS SHALL BE 3M MODEL 721.

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NO.	REVISION	DATE	BY	CK

CITY OF WOODINVILLE
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PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
NE 127TH ST./WOODINVILLE DR./ NE 175TH ST. (SR 202) TRAFFIC SIGNAL PLAN

DATE: 02-02-12	CHECKED BY:
DESIGNED BY: JP	PROJECT NO.:
DRAWN BY: FDM	SCALE: 1"=10'
SHEET	OF
DRAWING NO.: TS4	

Feb. 21, 12 - 9:02 AM DeMarcoF I:\60020199 - Sammamish Bridge and Road-SR202 Project\CADD\Civil\Sheet\Traffic Signals\TS1-TS8 - Signal Plans.dwg

30% DESIGN

WIRE SCHEDULE SUA-5153 (WSDOT SERVICE)

△ NO.	RACEWAY CONDUIT SIZE (IN)	VEH DETECT 2C(SH)	PED. DETECT 2C(SH)	E.V. DETECT 3C(SH)	VEH HEAD 5C	PED HEAD 5C	VEH/PED HEAD 7C	VIDEO DETC. VIDEO COAX RG-59	VIDEO DETC. 2C POWER*	POWER ILLUM. #8	POWER SIGNAL #6	POWER SERVICE 4/0	SIGN POWER #10	RR DETECT 2C (SH)
1	2"			1										
2	EX. 2"													
	EX. 2"													
3	EX. 1-1/2"	1												
4	EX. 1-1/2"	2												
5	EX. 1-1/2"	3												
6	3"		1	1	2	1	1	1	1					
7	3-1/2"				4	2	2						2	
	3-1/2"		4	2				2	2					
8	EX. 2"				2	2	1							
	EX. 2"	3	2	1				2	2					
9	EX. 2"										3			
10	EX. 3"											3		
11	2"									2				
12	3"		2	1	2		1	1	1					
13	3"		1	1	1	1	1	1	1					
14	3-1/2"				2	2	1						2	
	3-1/2"		2	1				1	1					
15	EX. 2"	2												1
16	EX. 1-1/2"													1
17	EX. 2"													
18	3"		1	1	1	1	1	1	1				2	
19	2"		1		1	1								
20	2"		1			1								
21	EX. 3-1/2"				2	3	1							
	EX. 3-1/2"	3	3	1				2	2					
	EX. 1-1/2"													
22	EX. 2"									2				
23	3-1/2"				8	6	4						2	
	3-1/2"	2	8	4				4	4					1
24	2"										6			
25	2"													

WIRE SCHEDULE SAS-5151 (CITY OF WOODINVILLE SERVICE)

△ NO.	RACEWAY CONDUIT SIZE (IN)	POWER ILLUM. #6	POWER SERVICE 4/0	ILLUMINATION CIRCUIT
40	EX. 3		3	SERVICE LATERAL
41	EX. 1-1/2	4		A/B
42	1-1/2	2		A
43	EX. 2	SPARE		
44	EX. 3	2		B
45	EX. 3	2		A
46	1-1/2	4		A/B

DETECTION SCHEDULE

LOOPS	TYPE	LOCATION	
VD21&VD22	VIDEO DETECT	SR 202	STOP BAR
VD41	VIDEO DETECT	127th PL NE	STOP BAR
VD43	VIDEO DETECT	127th PL NE	STA. 9+22
VD61&VD"OLB"	VIDEO DETECT	WDVL DR.	STOP BAR
VD31&VD81	VIDEO DETECT	SR 202	STOP BAR
VD31A	VIDEO DETECT	SR 202	STOP BAR
VD32&VD82	VIDEO DETECT	SR 202	STA. 12+75
VD81A	VIDEO DETECT	SR 202	STOP BAR
L23, L25	ID TYPE 3	SR 202	STA. 97+02
L24	ADV. ID TYPE 3	SR 202	STA. 96+22
L63	ADV. ID TYPE 3	WDVL DR.	STA. 100+86
L64	ADV. ID TYPE 3	WDVL DR.	STA. 101+90
L65	ADV. ID TYPE 3	WDVL DR.	STA. 102+71

ID = INDUCTION LOOP ADV. ID = ADVANCED INDUCTION LOOP

BREAKER SCHEDULE SUA-5153 WSDOT TYPE D SERVICE 120/240V

CIRCUIT	DESCRIPTION	BREAKER RATING	CONTACTOR RATING	VOLTAGE	LOAD (KVA)
---	MAIN	200 AMP	---	---	---
A	ILLUMINATION A	30 AMP	30 AMP	240	1.5
B	ILLUMINATION B	30 AMP	30 AMP	240	X
C	ILLUMINATION C	30 AMP	30 AMP	240	X
D	ILLUMINATION D	30 AMP	30 AMP	240	X
E	ILLUMINATION E	30 AMP	30 AMP	240	X
F	SPARE	20 AMP	N/A	240	0.0
G	SPARE	20 AMP	N/A	240	0.0
H	SIGNAL	40 AMP	N/A	120	2.4
I	GFCI	20 AMP	N/A	120	1.8
J	HEAT STRIP	15 AMP	N/A	120	0.1
K	PHOTOCELL	15 AMP	N/A	120	0.001
BUSSWORK SHALL BE RATED AT 250 AMP MINIMUM			PEAK		5.8
			CONTINUOUS		4.0

BREAKER SCHEDULE SAS-5151 CITY OF WOODINVILLE TYPE D SERVICE 120/240V

CIRCUIT	DESCRIPTION	BREAKER RATING	CONTACTOR RATING	VOLTAGE	LOAD (KVA)
---	MAIN	200 AMP	---	---	---
A	ILLUMINATION A	30 AMP	30 AMP	240	1.5
B	ILLUMINATION B	30 AMP	30 AMP	240	2.5
C	ILLUMINATION C	X	30 AMP	240	X
D	ILLUMINATION D	X	30 AMP	240	X
E	ILLUMINATION E	X	30 AMP	240	X
F	SPARE	20 AMP	N/A	240	0.0
G	SPARE	20 AMP	N/A	240	0.0
H	SIGNAL	X	N/A	120	X
I	GFCI	20 AMP	N/A	120	1.8
J	HEAT STRIP	15 AMP	N/A	120	0.1
K	PHOTOCELL	15 AMP	N/A	120	0.001
BUSSWORK SHALL BE RATED AT 250 AMP MINIMUM			PEAK		5.8
			CONTINUOUS		4.0

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PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
NE 127TH ST./WOODINVILLE DR./ NE 175TH ST. (SR 202) TRAFFIC SIGNAL PLAN

DATE: 02-02-12	CHECKED BY:
DESIGNED BY: JP	PROJECT NO.:
DRAWN BY: FDM	SCALE: 1"=10'
SHEET	OF
DRAWING NO.: TS5	

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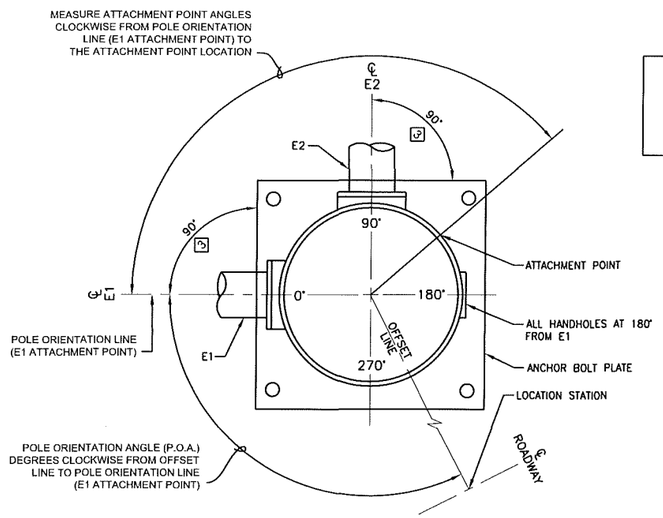
30% DESIGN



POLE ORIENTATION AND ATTACHMENT POINT DETAIL

NOTE:

TYPE E MOUNTS SHALL BE USED FOR PEDESTRIAN DISPLAYS ON TYPE II OR III SIGNAL STANDARDS, WITH THE FOLLOWING EXCEPTIONS: PEDESTRIAN DISPLAYS MOUNTED ON OCTAGONAL (8 SIDED) SIGNAL STANDARDS AT AN ANGLE OTHER THAN A 45° INCREMENT SHALL USE A TYPE A MOUNT FOR TWO PEDESTRIAN DISPLAYS, OR A TYPE B MOUNT FOR SINGLE PEDESTRIAN DISPLAY.

SIGNAL STANDARD IDENTIFICATION TAG DETAIL

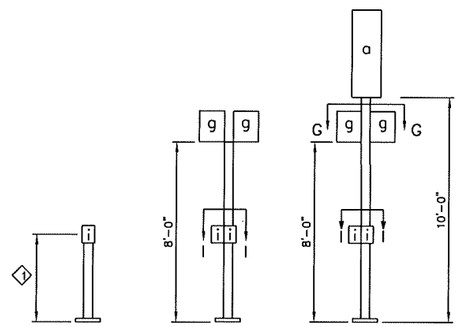
STD. NO. XX	SIGNAL STANDARD NO.
SRXXX, MP XXX.XX	STATE ROUTE AND MILE POST NO.
MANUFACTURER	
APPROVED DWG. XXXXXX	APPROVED DRAWING NO.
FAB. X/XX/XXXX	FABRICATION DATE

EXAMPLE

STD. NO. 02
SR97, MP 069.09
MANUFACTURER
APPROVED DWG. AB12345
FAB. 6/14/2002

NOTE:

CORROSION RESISTANT METAL TAG SECURED WITH (2) 0.125" RIVETS AS FOLLOWS: POLE SHAFT – LOCATED WITHIN 6" ABOVE HAND HOLE (TYPE II & III), SIGNAL AND LUMINAIRE MAST ARM (TYPE II & III) – LOCATED WITHIN 6" OF THE LUMINAIRE ARM AND THE POLE SHAFT CONNECTION POINT (TYPE II & III). TEXT SHALL BE A MINIMUM OF 3/16 " HIGH, STAMPED OR EMBOSSED.



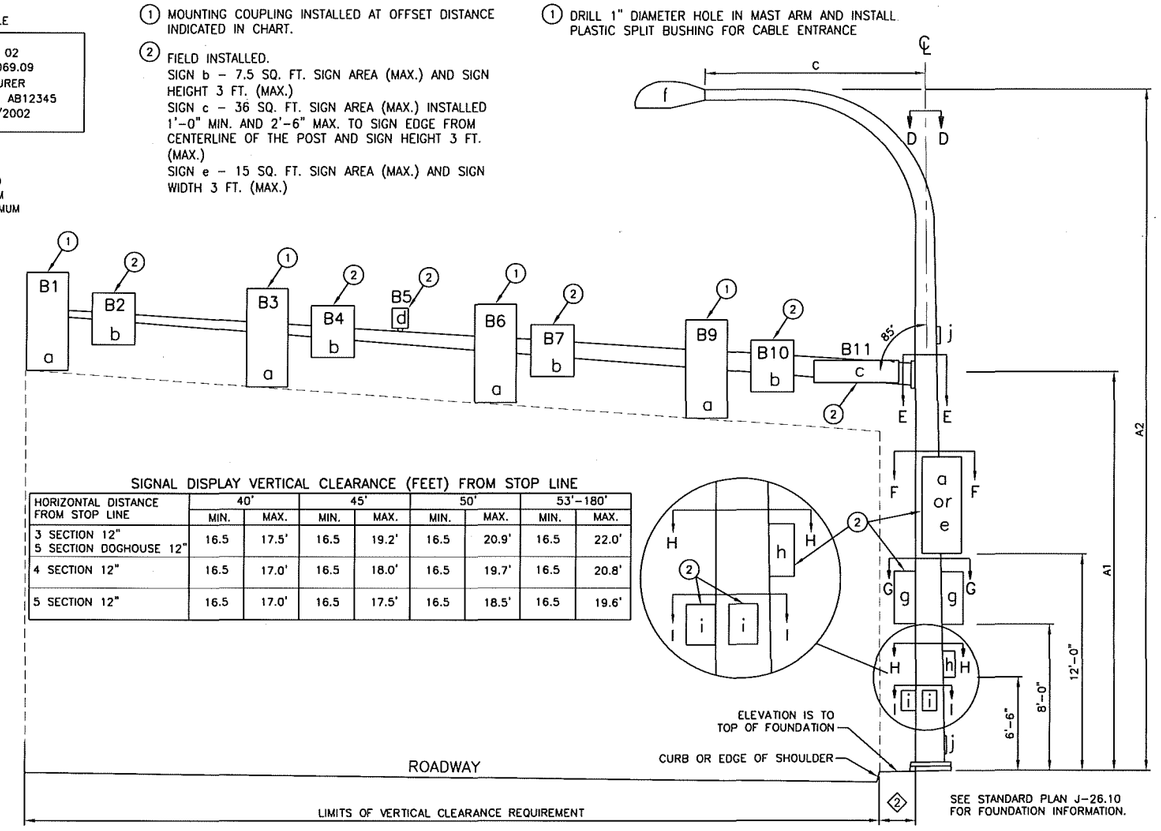
TYPE PPB PPB POST | TYPE PS PED. HEAD STANDARD | TYPE I VEHICLE HEAD STANDARD

NOTES

1. MOUNTING COUPLING INSTALLED AT OFFSET DISTANCE INDICATED IN CHART.
2. FIELD INSTALLED.
   SIGN b – 7.5 SQ. FT. SIGN AREA (MAX.) AND SIGN HEIGHT 3 FT. (MAX.)
   SIGN c – 36 SQ. FT. SIGN AREA (MAX.) INSTALLED 1'–0" MIN. AND 2'–6" MAX. TO SIGN EDGE FROM CENTERLINE OF THE POST AND SIGN HEIGHT 3 FT. (MAX.)
   SIGN e – 15 SQ. FT. SIGN AREA (MAX.) AND SIGN WIDTH 3 FT. (MAX.)

ALTERNATE NOTE FOR TYPE N MOUNT ONLY

1. DRILL 1" DIAMETER HOLE IN MAST ARM AND INSTALL PLASTIC SPLIT BUSHING FOR CABLE ENTRANCE



SIGNAL DISPLAY VERTICAL CLEARANCE (FEET) FROM STOP LINE

HORIZONTAL DISTANCE FROM STOP LINE	40'		45'		50'		53'–180'	
	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.
3 SECTION 12" 5 SECTION DOGHOUSE 12"	16.5	17.5'	16.5	19.2'	16.5	20.9'	16.5	22.0'
4 SECTION 12"	16.5	17.0'	16.5	18.0'	16.5	19.7'	16.5	20.8'
5 SECTION 12"	16.5	17.0'	16.5	17.5'	16.5	18.5'	16.5	19.6'

TYPE II, III & SD SIGNAL STANDARD

APPLY GROUT EVEN WITH THE BOTTOM OF THE ANCHOR PLATE AFTER PLUMBING THE STANDARD. PROVIDE 3/8" DIAMETER DRAIN TUBE IN THE GROUT PAD

LEGEND

a. VEHICLE DISPLAY
b. MAST ARM MOUNTED SIGN
c. STREET NAME SIGN
d. PRE–EMPT DETECTOR
e. POST MOUNTED SIGN
f. LUMINAIRE
g. PEDESTRIAN DISPLAY
h. CABINET
i. PPB–M
j. HANDHOLE

1. HEIGHT OF PEDESTRIAN PUSH BUTTON:
   42" IS RECOMMENDED (TYPICAL)
   32" MINIMUM
   48" MAXIMUM
2. PLACEMENT SHALL BE 2' – 0" MIN. FROM FACE OF CURB OR EDGE OF SHOULDER; 3' – 0" MIN. FROM FACE OF GUARDRAIL; 4' – 0" MIN. FROM CONC. BARRIER TYPE 2 (MEASURED FROM A POINT WHERE THE BARRIER BASE MEETS THE SHOULDER SURFACE (TOE). MEASUREMENT TAKEN FROM TRAFFIC SIDE OF BARRIER; TO FACE OF POLE
3. DMS OR VMS IS NOT ALLOWED ON THIS POLE.

SIGNAL STANDARD DETAIL CHART

STD. No.	SR NO.	FIELD LOCATION						POLE TYPE	MOUNTING HEIGHT (FT)		SIGNAL MAST ARM DATA: OFFSET DISTANCES (FT) (Z) (POLE TO ATTACHMENT POINT)							WINDLOAD AREAS (FT²) (X)(Y)						CALCULATED POLE XYZ (FT³)	LUMINAIRE ARM (FT)	POLE ATTACHMENT POINT ANGLES (deg)									FOUNDATION DESIGN XYZ (FT³)	FOUNDATION DEPTH (FT)					SOIL PSF	REMARKS
		STATION	OFFSET	LT.	RT.	ELEV.*	P.O.A.		A1	A2	B1	B2	B5	B6	B7	B9	B11	B1	B2	B6	B7	B9**	B11		C	D	E1	E2	F	G1	G2	H	I1	I2		ALTERNATE 1 3'RD.	ALTERNATE 1 3'SQ.	ALTERNATE 1 4'RD.	ALTERNATE 2 3'RD.	ALTERNATE 2 4'RD.		
1	127th PL/ SR202	9+90	47'		√		74	III	17.5	35	27		21	15		3	2	8.7		8.7		8.7	8.6	409	16	0	0		270	0			270			10'						
2	127th PL/ SR202	9+61	21'		√		0	PS																																		
3	127th PL/ SR202	9+59	25'	√			0	III	17.5	35	19		13	7			2	8.7		8.7			8.6	244	16	0	0			0			270			10'						
4	127th PL/ SR202	9+67	42'	√			0	I																																		
5	127th PL/ SR202	10+33	69'	√			74	II	17.5		32		26	20	14	8	2	8.7		8.7	9.0	8.7	8.6	666		0	0			0			270			10'						
6	127th PL/ SR202	10+43	61'	√			0	LUM		35															16	0			0	0			90									
7	127th PL/ SR202	10+68	49'		√		0	III	17.5	35	36	33	30	24			2	8.7		8.7			8.6	748	16	0	0			0	270		0	270		10'						
8	127th PL/ SR202	8+80	26'		√		0	PS																																		

* ELEVATION IS TO TOP OF FOUNDATION. FIELD VERIFY ELEVATION PRIOR TO ORDERING SIGNAL STANDARDS.

** FUTURE

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DESIGNED BY: JP	PROJECT NO.:
DRAWN BY: FDM	SCALE: 1"=10'
SHEET	OF
DRAWING NO.: TS6	

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30% DESIGN

CABINET WIRE TERMINATIONS

DETECTION INPUT TERMINALS

TB 2

	816	1	I1D	Ā1U
	817	2	I1E	
	818	3	I1J	Ā1L
	819	4	I1K	
24 B	921	5	I2D	Ā2U
24 W	922	6	I2E	
	923	7	I2J	Ā2L
	924	8	I2K	
VD-2 B	925	9	I3D	Ā2U
VD-2 W	926	10	I3E	
23 B	927	11	I3J	Ā2L
23 W	928	12	I3K	

TB 3

Ā5U	J1D	1	856	
	J1E	2	857	
Ā5L	J1J	3	858	
	J1K	4	859	
Ā6U	J2D	5	961	B 64
	J2E	6	962	W
Ā6L	J2J	7	963	B 65
	J2K	8	964	W
Ā6U	J3D	9	965	
	J3E	10	966	
Ā6L	J3J	11	967	B 63
	J3K	12	968	W

TB 4

826	1	I4D	Ā2U
827	2	I4E	
828	3	I4J	Ā2L
829	4	I4K	
836	5	I5D	Ā3U
837	6	I5E	
838	7	I5J	Ā3L
839	8	I5K	
941	9	I6D	Ā4U
942	10	I6E	
943	11	I6J	Ā4L
944	12	I6K	

TB 5

Ā6U	J4D	1	866	B VD-6
	J4E	2	867	W
Ā6L	J4J	3	868	
	J4K	4	869	
Ā7U	J5D	5	876	
	J5E	6	877	
Ā7L	J5J	7	878	
	J5K	8	879	
Ā8U	J6D	9	981	
	J6E	10	982	
Ā8L	J6J	11	983	
	J6K	12	984	

TB 6

	945	1	I7D	Ā4U
	946	2	I7E	
VD-4 B	947	3	I7J	Ā4L
VD-4 W	948	4	I7K	
	846	5	I8D	Ā4U
	847	6	I8E	
	848	7	I8J	Ā4L
	849	8	I8K	
	911	9	I9D	
	912	10	I9E	
	931	11	I9J	
	932	12	I9K	

TB 7

Ā8U	J7D	1	985	
	J7E	2	986	
Ā8L	J7J	3	987	B VD-8A,B
	J7K	4	988	W
Ā8U	J8D	5	886	B VD-8
	J8E	6	887	W
Ā8L	J8J	7	888	
	J8K	8	889	
	J9D	9	951	
	J9E	10	952	
	J9J	11	971	
	J9K	12	972	

TB 8

		1		
		2		
		3		
PPB 28,29 B	724	4	I12D	Ā2P
PPB 48,49 B	744	5	I12J	Ā4P
PPB 28,29,48,49 W	725 745	6	I12K	COM
PPB 68,69 B	764	7	I13D	Ā6P
PPB 88,89 B	784	8	I13J	Ā8P
PPB 68,69,88,89 W	765 785	9	I13K	COM
		10		
		11		
		12		

TB 9

		1		
DC-		2	5AC3	BL A&C
	J13K	3	5BD3	BL B&D
EVA	J12D	4	5A2	Y A
EVC	J12J	5	5C2	Y C
DC+	J12E	6	5AC1	O A&C
EVB	J13D	7	5B2	Y B
EVD	J13J	8	5D2	Y D
DC+	J13E	9	5BD1	O B&D
RR1	J14D	10	516	B RR
RR2	J14J	11	517	B
COM	J14E	12	518	W

DISPLAY OUTPUT TERMINALS

41 R	641	101	Ā4R	
42 O	642	102	Ā4Y	
42 G	643	103	Ā4G	
48 R	741	104	Ā4DW	
	5B4	105	EVIB	
49 G	742	106	Ā4W	
81 R	681	107	Ā8R	
82 O	682	108	Ā8Y	
82 G	683	109	Ā8G	
88 R	781	110	Ā8DW	
	5D4	111	EVID	
89 G	782	112	Ā8W	

28 O	721	113	Ā2DW	
29 BL	5A4	114	EVIA	
	722	115	Ā2W	
	631	116	Ā3R	
31 O	632	117	Ā3Y	
G	633	118	Ā3G	
68 O	761	119	Ā6DW	
	5C4	120	EVIC	
69 BL	762	121	Ā6W	
	671	122	Ā7R	
	672	123	Ā7Y	
	673	124	Ā7G	

OLB R	6B1	125	Ā1R	
O	6B2	126	Ā1Y	
G	6B3	127	Ā1G	
21 R	621	128	Ā2R	
22 O	622	129	Ā2Y	
G	623	130	Ā2G	
	651	131	Ā5R	
OLA O	6A2	132	Ā5Y	
G	6A3	133	Ā5G	
61 R	661	134	Ā6R	
62 O	662	135	Ā6Y	
G	663	136	Ā6G	

SERVICE PANEL

TBS

B	501	1	AC+
GRD		2	CG
W	502	3	AC-
		4	
		5	

NOTE: TERMINATE ALL WIRING IDENTIFIED AS AC- (6*6 AND 7*3) AT THE AC- BUSS.

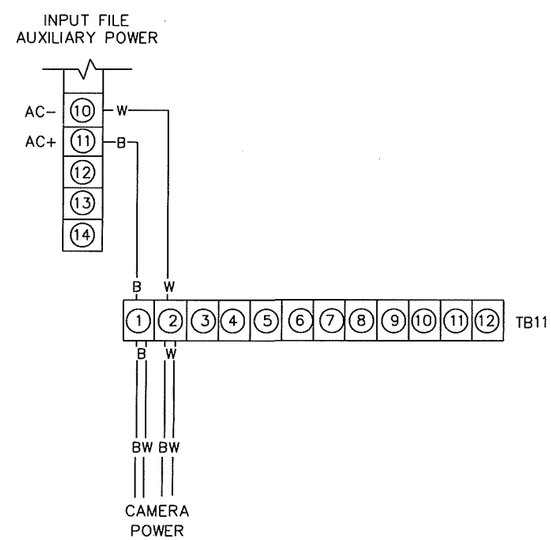
SEAL AND COIL ALL SPARE CONDUCTORS AND STORE NEATLY ON THE CABINET FLOOR.

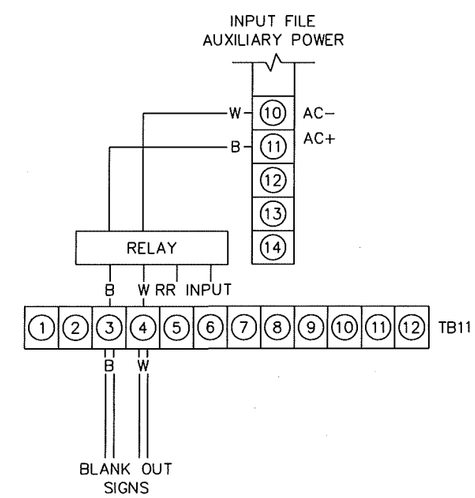
AUXILIARY PREEMPTION

(CONNECTED VIA 262W WIRE HARNESS TO M262 DISCRIMINATOR)

TB10

1	2	3	4	5	6	7	8	9	10	11	12
A&C AUX	A&C AUX	A AUX	A AUX	C AUX	C AUX	B&D AUX	B&D AUX	B AUX	B AUX	D AUX	D AUX
						O	BL	Y		Y	
						B2 D2	B2 D2	B2		D2	





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NO.	REVISION	DATE	BY	CK

CITY OF WOODINVILLE
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PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
NE 127TH ST./WOODINVILLE DR./ NE 175TH ST. (SR 202) WIRE TERMINATIONS

DATE: 02-02-12	CHECKED BY:
DESIGNED BY: JP	PROJECT NO.:
DRAWN BY: FDM	SCALE: 1"=10'
SHEET	OF
DRAWING NO.: TS7	

Feb. 2, 12 - 2:35 PM DeMarcaf I:\60020199 - Sammamish Bridge and Road-SR202 Project\CADD\Civil\Sheet\Traffic Signals\TS1-TS8 - Signal Plans.dwg

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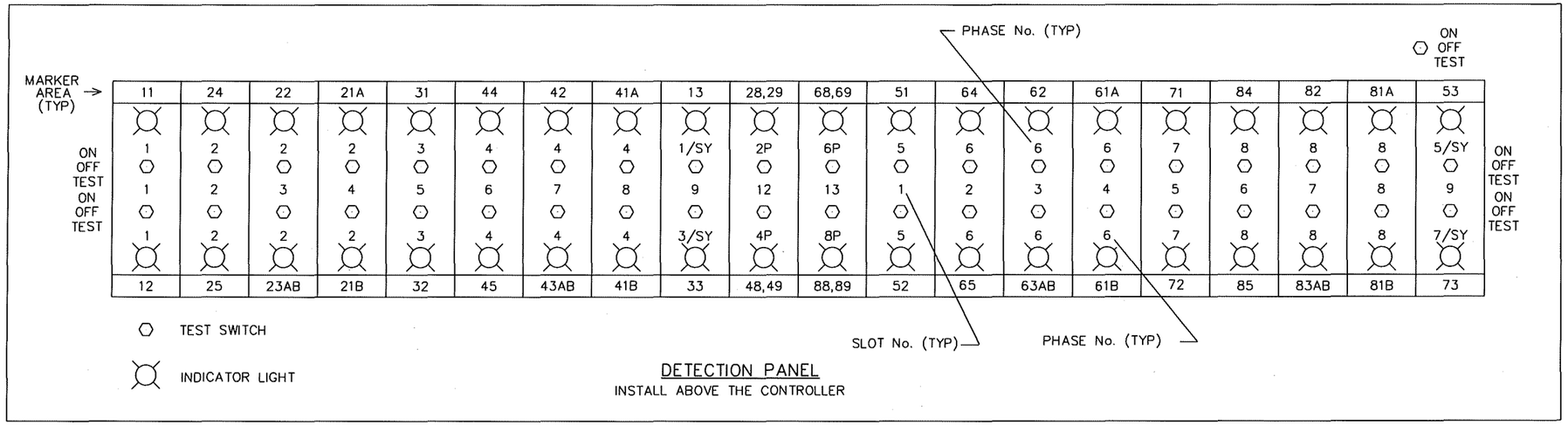
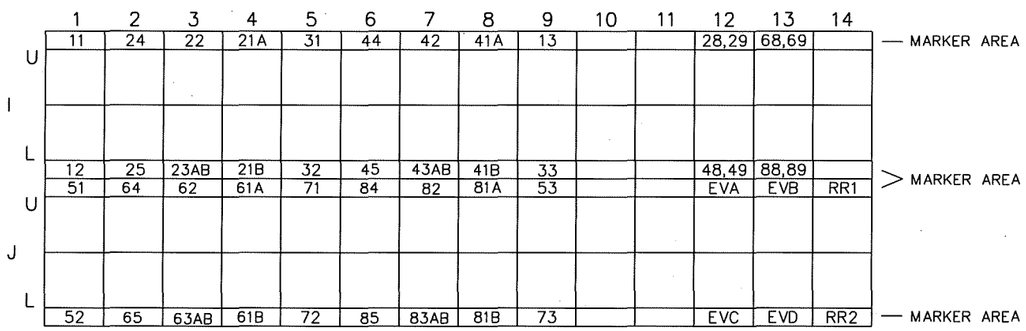


DETECTION PANEL
INSTALL ABOVE THE CONTROLLER

PREEMPTION SCHEDULE

CIRCUIT	PHASE(S)
A	2 & 5
B	4 & 7
C	1 & 6
D	3 & 8



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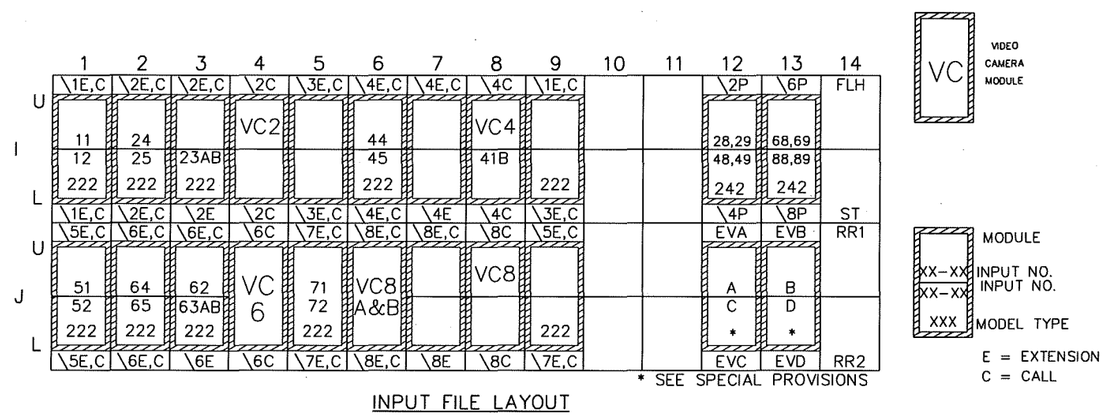
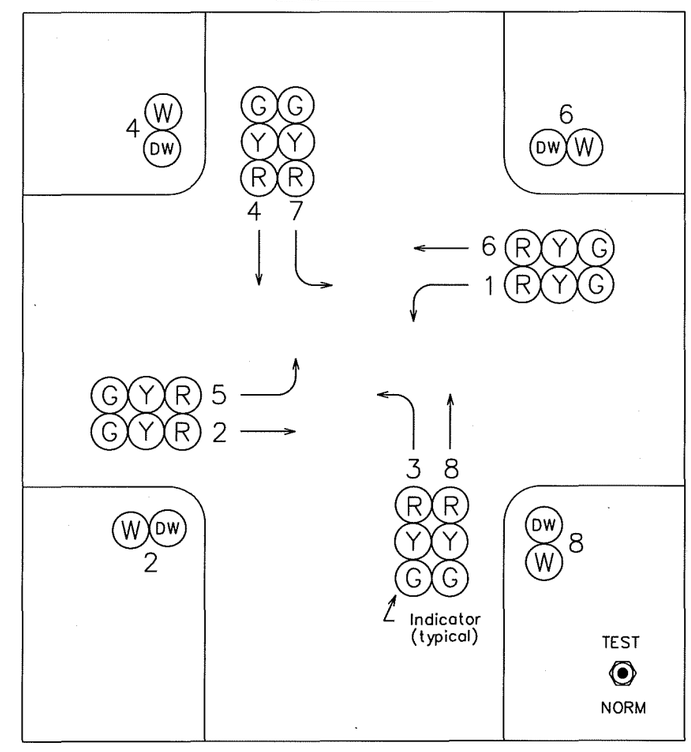


INPUT FILE LAYOUT

DISPLAY PANEL



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PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
NE 127TH ST./WOODINVILLE DR./ NE 175TH ST. (SR 202) DETECTION PANEL

DATE: 02-02-12	CHECKED BY:
DESIGNED BY: JP	PROJECT NO.:
DRAWN BY: FDM	SCALE: 1"=10'
SHEET	OF
DRAWING NO.: TS8	

Feb. 2, 12 - 2:35 PM DeMarcef h:\60020199 - Sammamish Bridge and Road-SR202 Project\CADD\Civil\Sheet\Traffic Signals\TS1-TS9 - Signal Plans.dwg

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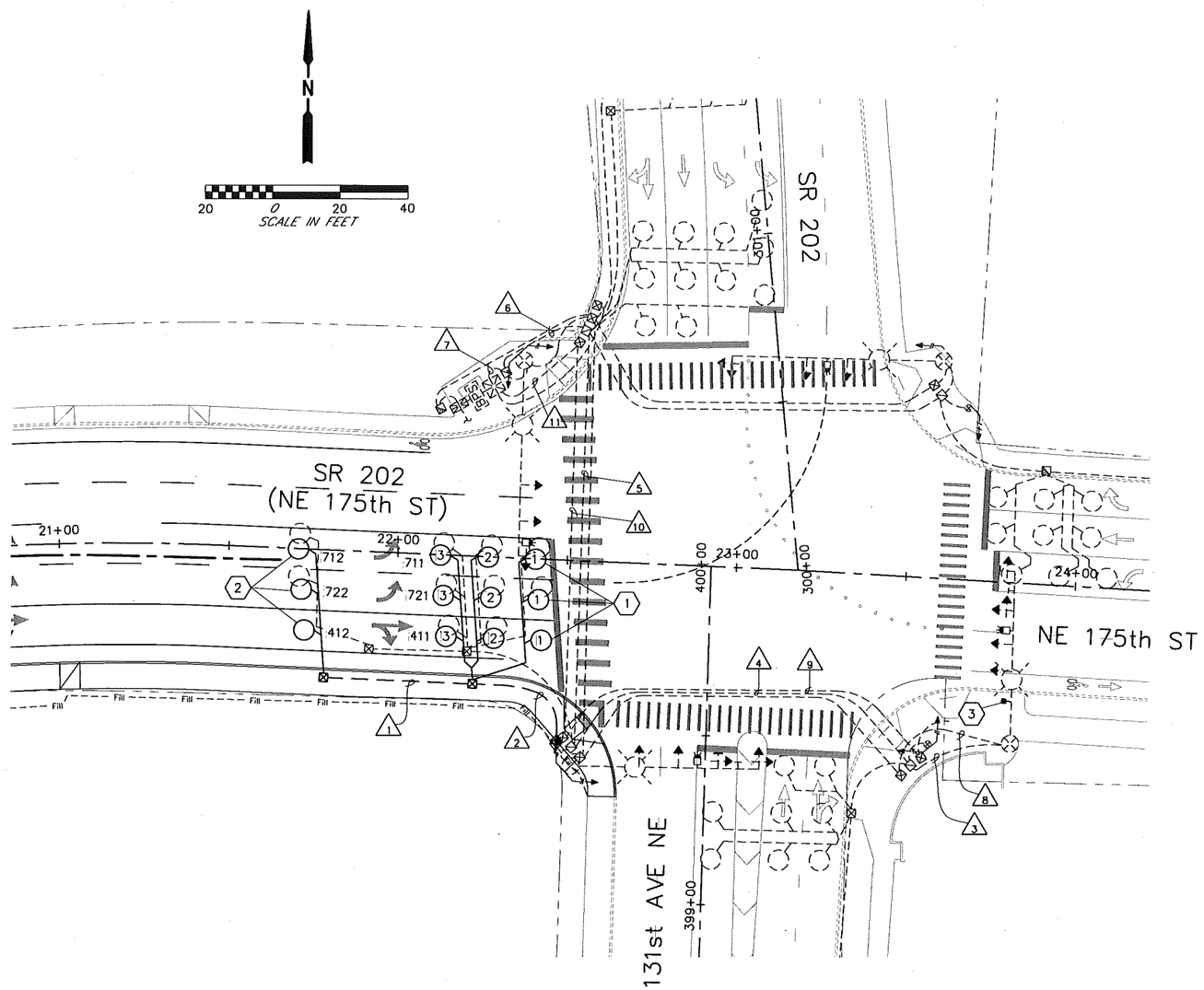

LEGEND (NTS)

EXISTING	NEW	
		CONTROLLER CABINET
		SERVICE CABINET
		JUNCTION BOX TYPE 1
		VIDEO DETECTION CAMERA
		CONDUIT
		RIGHT-OF-WAY
		TYPE 3 INDUCTION LOOP
		WIRE NOTE
		CONSTRUCTION NOTE

CONSTRUCTION NOTES:

1. INSTALL TYPE 3A STOP LINE LOOP PER WSDOT STANDARD PLAN J-8C.
2. INSTALL TYPE 3 ADVANCED LOOP PER WSDOT STANDARD PLAN J-8C.
3. INSTALL VIDEO DETECTION CAMERA FOR TEMPORARY DETECTION UNTIL THE ROADWAY IS CONSTRUCTED AND NEW LOOPS ARE INSTALLED.

DETECTION SCHEDULE

LOOPS	TYPE	LOCATION
411	ID TYPE 3	SR 202 (NE 175th ST)
721	ID TYPE 3	SR 202 (NE 175th ST)
711	ID TYPE 3	SR 202 (NE 175th ST)
412	ADV. ID TYPE 3A	SR 202 (NE 175th ST)
722	ADV. ID TYPE 3A	SR 202 (NE 175th ST)
712	ADV. ID TYPE 3A	SR 202 (NE 175th ST)

ID = INDUCTION LOOP
ADV. ID = ADVANCED INDUCTION LOOP

WIRE SCHEDULE

△ NO.	RACEWAY CONDUIT SIZE (IN)	VEHICLE DETECT 2C(SH)	VIDEO DETC. VIDEO COAX RG-59	VIDEO DETC. 2C POWER*
1	2"	2		
2	2"	5		
3	EX. 2"		1	
4	EX. 2"		1	
5	EX. 2"	13	1	
6	EX. 4"	24	1	
7	EX. 4"	26	1	
8	EX. 2"			1
9	EX. 4"			1
10	EX. 4"			1
11	EX. 4"			1

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PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
131ST AVE. NE/NE 175TH ST. (SR 202) TRAFFIC SIGNAL PLAN

DATE: 02-02-12	CHECKED BY:
DESIGNED BY: JP	PROJECT NO.:
DRAWN BY: FDM	SCALE: 1"=20'
SHEET	OF
DRAWING NO.: TS9	

Feb. 2, 12 - 2:53 PM DeMarcoF I:\60020199 - Sammamish Bridge and Road-SR202 Project\CADD\Civil\Sheet\Traffic Signals\TS9 - Signal Plan Loop Mod.dwg

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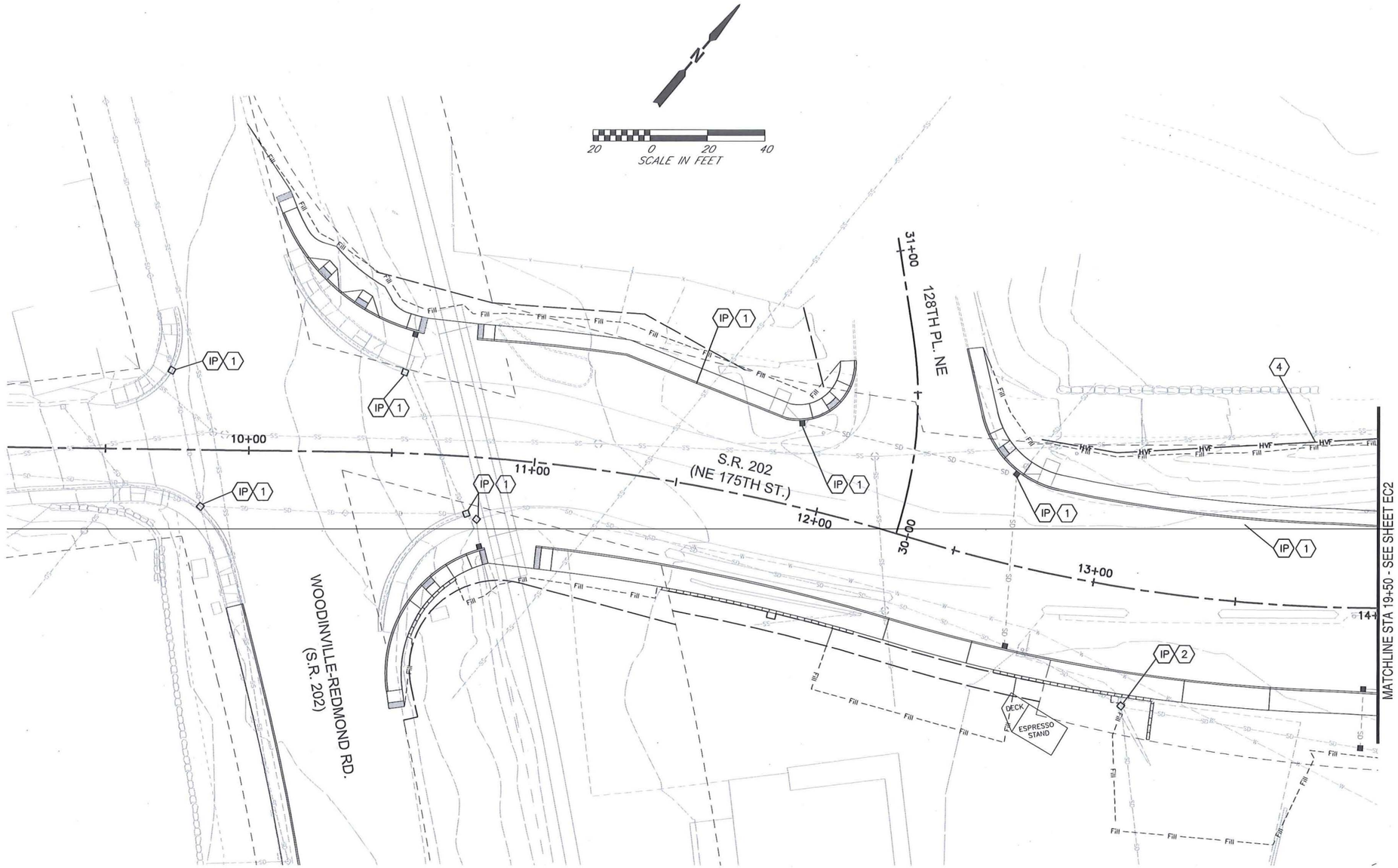

EROSION CONTROL LEGEND

- BRIDGE (EXIST)
- BRIDGE (PROP.)
- SWALE CENTERLINE (EXIST.)
- FENCE (EXISTING)
- RIVERBANK
- WETLAND/SWAMP PERIMETER
- SF — SILT FENCE
- HVF — HIGH VISIBILITY FENCE
- Fill — FILL LINE
- IP — INSTALL INLET PROTECTION

GENERAL NOTES

1. SEE SHEET EC3 FOR NOTES AND SEQUENCING.
2. INLET PROTECTION IS REQUIRED ONLY DURING CONSTRUCTION WHEN WORK IS BEING PERFORMED IF NECESSARY.

CONSTRUCTION NOTES

1. INSTALL INLET PROTECTION PER WSDOT STD. PLAN I-40.20-00
2. INSTALL FIELD INLET PROTECTION PER WSDOT STD. PLAN I-40.10-00
4. INSTALL HIGH VISIBILITY FENCE PER WSDOT STD. PLAN I-10.10-01

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PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
EROSION CONTROL PLAN

DATE: 12-06-2011	CHECKED BY: AL
DESIGNED BY: AS	PROJECT NO.:
DRAWN BY: FDM	SCALE: 1"=20'
SHEET	OF
DRAWING NO.: EC1	

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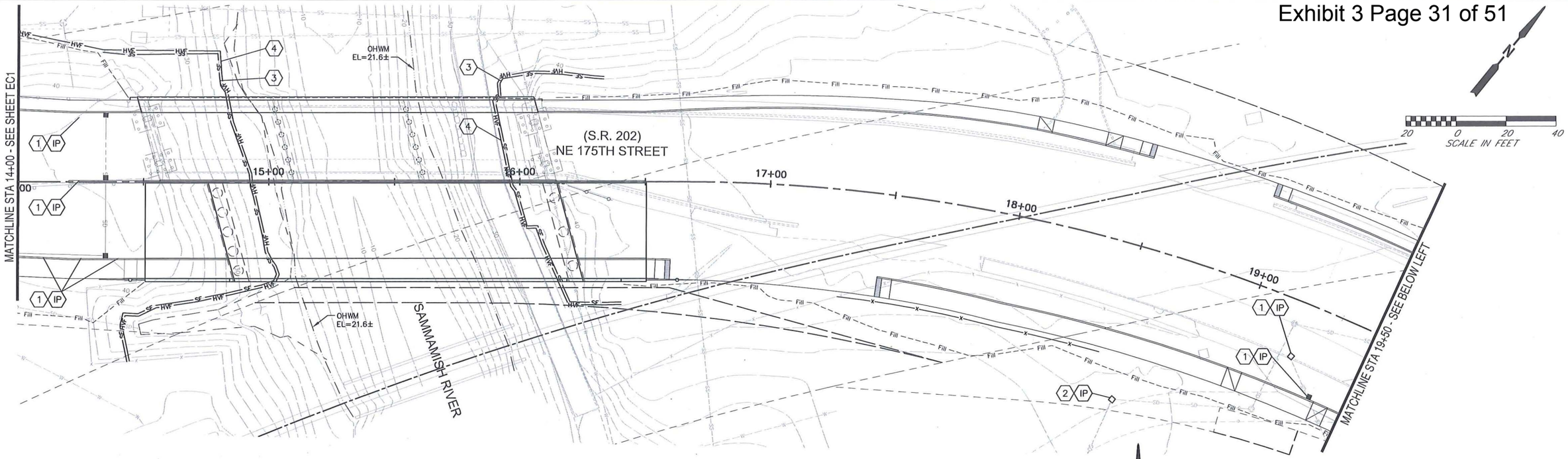

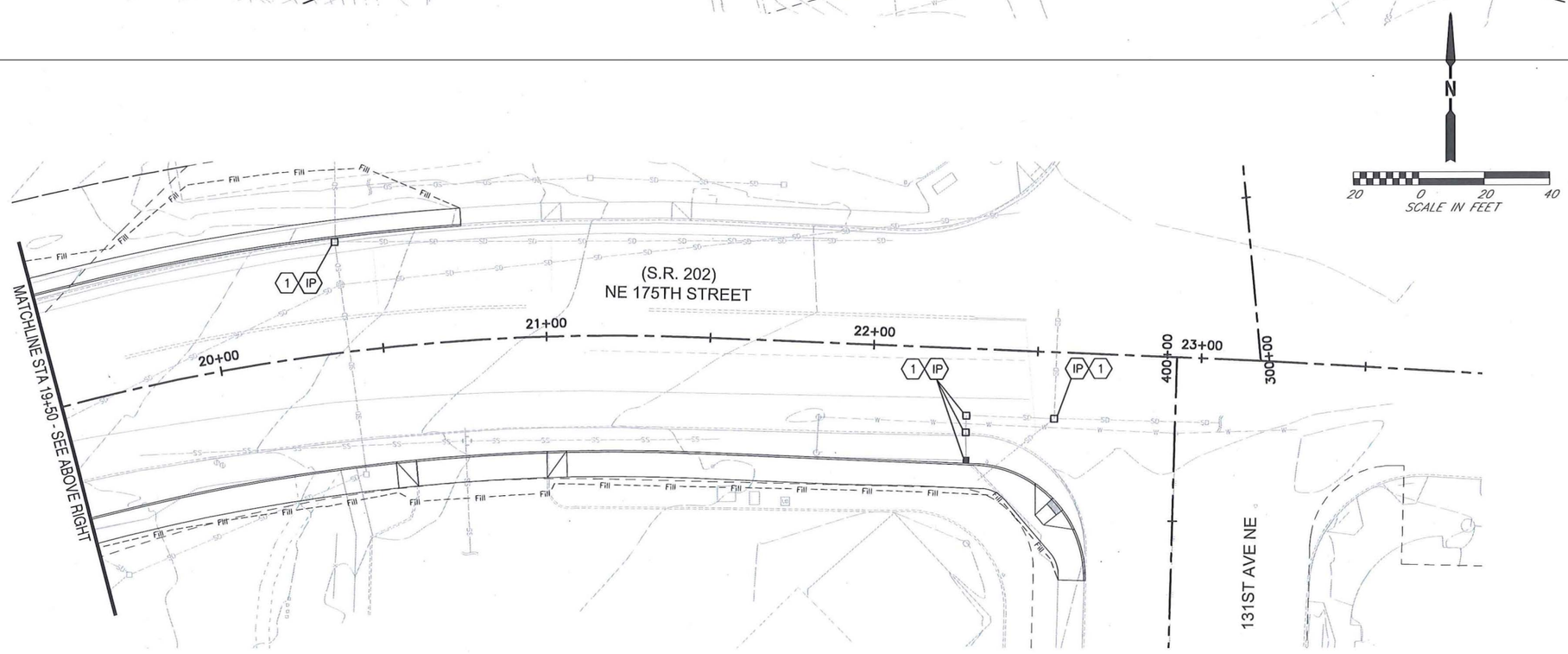

EROSION CONTROL LEGEND

- BRIDGE (EXIST)
- BRIDGE (PROP.)
- SWALE CENTERLINE (EXIST.)
- FENCE (EXISTING)
- FENCE (PROP.)
- RIVERBANK
- WETLAND/SWAMP PERIMETER
- SILT FENCE
- HIGH VISIBILITY FENCE
- FILL LINE
- INSTALL INLET PROTECTION

GENERAL NOTES

1. SEE SHEET EC3 FOR NOTES AND SEQUENCING.
2. INLET PROTECTION IS REQUIRED ONLY DURING CONSTRUCTION WHEN WORK IS BEING PERFORMED IF NECESSARY.

CONSTRUCTION NOTES

1. INSTALL INLET PROTECTION PER WSDOT STD. PLAN I-40.20-00
2. INSTALL FIELD INLET PROTECTION PER WSDOT STD. PLAN I-40.10-00
3. INSTALL SILT FENCE PER WSDOT STD. PLAN I-30.15-00
4. INSTALL HIGH VISIBILITY FENCE PER WSDOT STD. PLAN I-10.10-01

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PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
EROSION CONTROL PLAN

DATE: 12-06-2011	CHECKED BY: AL
DESIGNED BY: AS	PROJECT NO.:
DRAWN BY: FDM	SCALE: 1"=20'
SHEET	OF
DRAWING NO.:	EC2

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TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) NOTES

1. THE CONSTRUCTION CONTRACTOR SHALL USE ALL REASONABLE MEASURES TO MINIMIZE THE IMPACTS OF CONSTRUCTION ACTIVITY ON WATERS OF THE STATE. WATER QUALITY CONSTITUENTS OF PARTICULAR CONCERN ARE TURBIDITY, SUSPENDED SEDIMENTS, SETTABLE SOLIDS, OIL AND GREASE, AND pH. REQUIRED WATER POLLUTION CONTROL MEASURES INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
2. THE BOUNDARIES OF THE CLEARING LIMITS ARE IDENTIFIED ON THE TEMPORARY EROSION AND SEDIMENTATION CONTROL (TESC) PLAN SHEETS. CLEARING LIMITS SHALL BE DETERMINED BY THE LOCATIONS OF EXISTING PAVEMENT EDGES, TEMPORARY SILT FENCE, EXISTING FENCES, WALLS, R/W LINES, AND THE EXTENT OF THE CUT/FILL BOUNDARY. CLEARING LIMITS SHALL BE STAKED AND TEMPORARY SILT FENCES SHALL BE INSTALLED PRIOR TO THE START OF EARTH DISTURBING ACTIVITIES. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE CLEARING LIMITS SHALL BE PERMITTED. THE CLEARING LIMITS SHALL BE CLEARLY DEFINED WITH FLAGGING, MARKING TAPE, AND SILT FENCE AS NEEDED AND SHALL BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF CONSTRUCTION. CARE SHALL BE TAKEN WHILE DELINEATING CLEARING LIMITS NEAR SENSITIVE AREAS AND THEIR BUFFERS.
3. THE TESC PLANS PROVIDE RUNOFF CONTROL PROCEDURES THROUGHOUT THE ENTIRE PROJECT. THE TESC PLANS WILL MAINTAIN RUNOFF CONTROL IN EACH DRAINAGE BASIN RESPECTIVELY. ADDITIONAL BMPs MAY BE NEEDED TO CONTROL RUNOFF IN EACH DRAINAGE BASIN AND PREVENT ANY CROSS FLOW BETWEEN DRAINAGE BASINS.
4. THE CONTRACTOR SHALL USE PROPER TESC PRACTICES ON THE CONSTRUCTION SITE AND ADJACENT CONSTRUCTION STAGING AREAS TO PREVENT EROSION IN AND DOWNHILL OF DISTURBED AREAS, AND TO PREVENT THE DISCHARGE OF UPLAND SEDIMENTS OR SEDIMENT-LADEN WATER INTO WETLANDS, WATER BODIES AND LOCAL DRAINAGE SYSTEMS.
5. THE CONTRACTOR SHALL INSTALL TESC MEASURES PRIOR TO PERFORMING ANY CLEARING OR OTHER EARTH DISTURBING ACTIVITIES AT THE PROJECT SITE.
6. THE MEASURES ON THESE PLANS ARE THE MINIMUM THAT ARE REQUIRED FOR THE ANTICIPATED SITE CONDITIONS. THE CONTRACTOR WILL PROVIDE ADDITIONAL MEASURES NEEDED DUE TO WEATHER, FIELD CONDITIONS, AND/OR CONSTRUCTION ACTIVITIES.
7. THE CONTRACTOR SHALL NOT DISCHARGE TURBID WATER GENERATED FROM CONSTRUCTION ACTIVITIES, DIRECTLY TO ANY STREAMS, STORMWATER SYSTEM INLETS, OR DRAINAGE DITCHES BEFORE THE SOLIDS HAVE SETTLED OUT OF THE WATER AND WATER QUALITY PARAMETERS ARE MET.
8. INLET PROTECTION SHALL BE INSTALLED IN ANY ROAD DRAINAGE SYSTEM INLETS, EXISTING OR NEWLY INSTALLED, WHICH ARE LIKELY TO RECEIVE RUNOFF FROM THE DISTURBED AREAS DURING CONSTRUCTION. INLET PROTECTION SHOWN ON THE TESC PLANS ARE APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL ADD INLET PROTECTION AS NECESSARY TO ALL CATCH BASINS THAT RECEIVE STORMWATER RUNOFF WITHIN THE PROJECT AREA AND THAT MAY OR MAY NOT BE SHOWN ON THE TESC PLANS.
9. THE CONTRACTOR SHALL PROTECT AND PRESERVE ALL EXISTING VEGETATION BEYOND THE CLEARING LIMITS.
10. CONTRACTOR SHALL INSTALL AND MAINTAIN STABILIZED CONSTRUCTION ENTRANCES ON ALL UNSURFACED CONSTRUCTION ROADS WHERE THE CONSTRUCTION ROAD EXITS ONTO PAVED ROADS.
11. THE TESC FACILITIES SHOWN ON THIS PLAN WILL BE CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH ALL GRADING SO AS TO ENSURE THAT THE TRANSPORT OF SEDIMENT TO SURFACE WATERS, DRAINAGE SYSTEMS, AND ADJACENT PROPERTIES IS MINIMIZED.
12. ANY AREAS OF EXPOSED SOILS, INCLUDING ROADWAY EMBANKMENTS, THAT WILL NOT BE DISTURBED FOR TWO DAYS DURING THE PERIOD FROM OCTOBER 1 TO APRIL 30 OR SEVEN DAYS DURING THE PERIOD FROM MAY 1 TO SEPTEMBER 30 WILL BE STABILIZED WITH THE APPROVED TESC BMPs (E.G., SEEDING, MULCHING, NETTING, CLEAR PLASTIC COVERING).
13. THE TESC MEASURES WILL REMAIN IN PLACE THROUGHOUT THE CONSTRUCTION PERIOD. INSTALLED EROSION AND SEDIMENT CONTROL MEASURES WILL ONLY BE REMOVED AFTER STABILIZATION OF UPHILL DISTURBED AREA AND WITH THE APPROVAL OF THE ENVIRONMENTAL COMPLIANCE MANAGER (ECM).
14. THE CONTRACTOR SHALL SEED, PLANT, MULCH, INSTALL CLEAR PLASTIC COVERING OR PROVIDE SOME OTHER EQUIVALENT TYPE OF PROTECTION AGAINST EROSION TO ALL EARTHEN AREAS DISTURBED OR NEWLY CREATED BY THE PROJECT CONSTRUCTION.
15. THE CONTRACTOR WILL INSPECT ALL TESC MEASURES AT LEAST ONCE EVERY CALENDAR WEEK, IN ADDITION, SITE INSPECTION SHALL BE CONDUCTED WITHIN 24 HOURS OF ANY DISCHARGE FROM THE SITE. THE INSPECTION FREQUENCY FOR TEMPORARY STABILIZED, INACTIVE SITES SHALL BE CONDUCTED ONCE EVERY CALENDAR MONTH. ANY DAMAGED TESC MEASURES WILL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND REPLACED IMMEDIATELY.
16. WASHOUT OF CONSTRUCTION EQUIPMENT SHALL BE COMPLETED ACCORDING TO THE SPILL PREVENTION PLAN.
17. THE CONTRACTOR SHALL NOT DISCHARGE ANY CLEANING SOLVENTS OR CHEMICALS UTILIZED FOR TOOL OR EQUIPMENT CLEANING TO THE GROUND. REFUELING OF EQUIPMENT WILL BE CONDUCTED AWAY FROM THE DRAINAGE FACILITIES AND DONE IN SUCH A MANNER AS TO PREVENT SPILLS FROM ENTERING THE GROUNDWATER OR WATER BODIES (INCLUDING WETLANDS).
18. THE CONTRACTOR SHALL TAKE EXTREME CARE TO PREVENT ANY PETROLEUM PRODUCTS, CHEMICALS, OR OTHER TOXIC OR DELETERIOUS MATERIALS FROM ENTERING THE GROUNDWATER IN ANY MANNER.
19. THE CONTRACTOR SHALL MAINTAIN ALL PUBLIC ROADWAYS WITH STREET SWEEPING AS NECESSARY TO REMOVE SEDIMENT.

TYPICAL SEQUENCING

1. INSTALL HIGH VISIBILITY FENCE TO DELINEATE CLEARING LIMITS, STAGING AREAS, CONSTRUCTION PARKING, ENVIRONMENTALLY SENSITIVE AREAS AND THEIR BUFFERS, AND TREES THAT ARE TO BE PRESERVED WITHIN THE CONSTRUCTION AREA.
2. INSTALL INLET PROTECTION AS SHOWN ON PLANS.
3. INSTALL SILT FENCING.
4. GRADE AND CONSTRUCT STABILIZED CONSTRUCTION ENTRANCES.
5. CONSTRUCT TEMPORARY SEDIMENT FACILITY.
6. CONSTRUCT SURFACE WATER CONTROLS (CHECK DAMS) SIMULTANEOUSLY WITH CLEARING AND GRADING FOR PROPER DEVELOPMENT.
7. COVER ANY AREAS OF EXPOSED SOILS, INCLUDING ROADWAY EMBANKMENTS, THAT WILL NOT BE DISTURBED FOR TWO DAYS DURING THE PERIOD FROM OCTOBER 1 TO APRIL 30 OR SEVEN DAYS DURING THE PERIOD FROM MAY 1 TO SEPTEMBER 30 WITH THE APPROVED TESC METHODS (E.G., SEEDING, MULCHING, NETTING, CLEAR PLASTIC COVERING) AS SHOWN ON THESE PLANS AND/OR AS DIRECTED BY THE CERTIFIED EROSION SEDIMENT CONTROL LEAD (CESCL).
8. STABILIZE ALL AREAS WITHIN SEVEN DAYS OF REACHING FINAL GRADE.
9. SEED, OR SOD ALL AREAS TO REMAIN UN-WORKED FOR 30 DAYS OR MORE.
10. INSTALL PERMANENT SEEDING AND PLANTING.
11. WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, REMOVE HIGH VISIBILITY FENCE, SILT FENCE AND OTHER TESC MEASURES ONLY WITH THE APPROVAL OF THE CESCL AND RESEED ANY AREAS DISTURBED BY THEIR REMOVAL.

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NO.	REVISION	DATE	BY	CK

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PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
EROSION CONTROL NOTES

DATE: 12-06-2011	CHECKED BY: AL
DESIGNED BY: AS	PROJECT NO.:
DRAWN BY: FDM	SCALE: NONE
SHEET	OF
DRAWING NO.: EC3	

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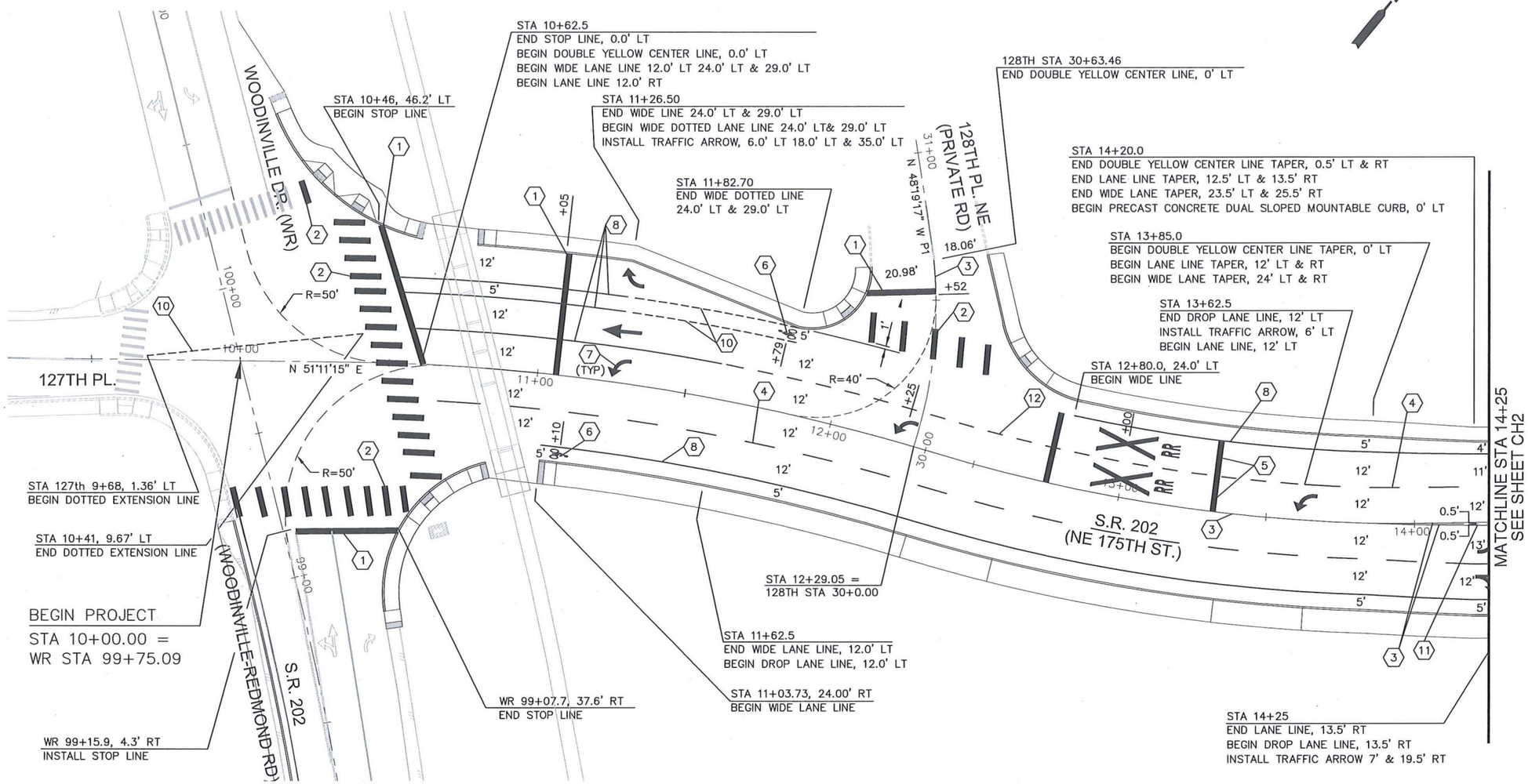

LEGEND

1. INSTALL STOP LINE PER WSDOT STD PLAN M-24.60-02.
2. INSTALL CROSSWALK LINE PER WSDOT STD PLAN M-15.10-01.
3. INSTALL DOUBLE YELLOW CENTER LINE PER WSDOT STD PLAN M-20.50-01.
4. INSTALL WHITE LANE LINE PER WSDOT STD PLAN M-20.10-01.
5. INSTALL RAILROAD CROSSING SYMBOL PER WSDOT STD PLAN M-11.10-01.
6. INSTALL BICYCLE LANE SYMBOL PER WSDOT STD PLAN M-9.50-01.
7. INSTALL TRAFFIC ARROW PER WSDOT STD PLAN M-24.40-01.
8. INSTALL WHITE WIDE LANE LINE PER WSDOT STD PLAN M-20.10-01.
9. INSTALL WHITE DOTTED EXTENSION LINE PER WSDOT STD PLAN M-20.10-01.
10. INSTALL WHITE WIDE DOTTED LANE LINE PER WSDOT STD PLAN M-20.10-01.
11. INSTALL 12" YELLOW PRECAST CONCRETE DUAL SLOPED MOUNTABLE CURB PER WSDOT STD PLAN F-10.64-02.
12. INSTALL DROP LANE LINE PER WSDOT STD PLAN M-20.10-01.

NOTES:
1) ALL DIMENSIONS TO CURB ARE TO FACE OF CURB.

20 0 20 40
SCALE IN FEET

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NO.	REVISION	DATE	BY	CK
1	REVISION 1	00/00/10	XXX	XXX
2				
3				
4				
5				

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PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
CHANNELIZATION & SIGNING PLAN

DATE: 12-07-11	CHECKED BY: AL
DESIGNED BY: BJH	PROJECT NO.: XX
DRAWN BY: YD	SCALE: 1"=20'
SHEET XX OF	
DRAWING NO.: CH1	

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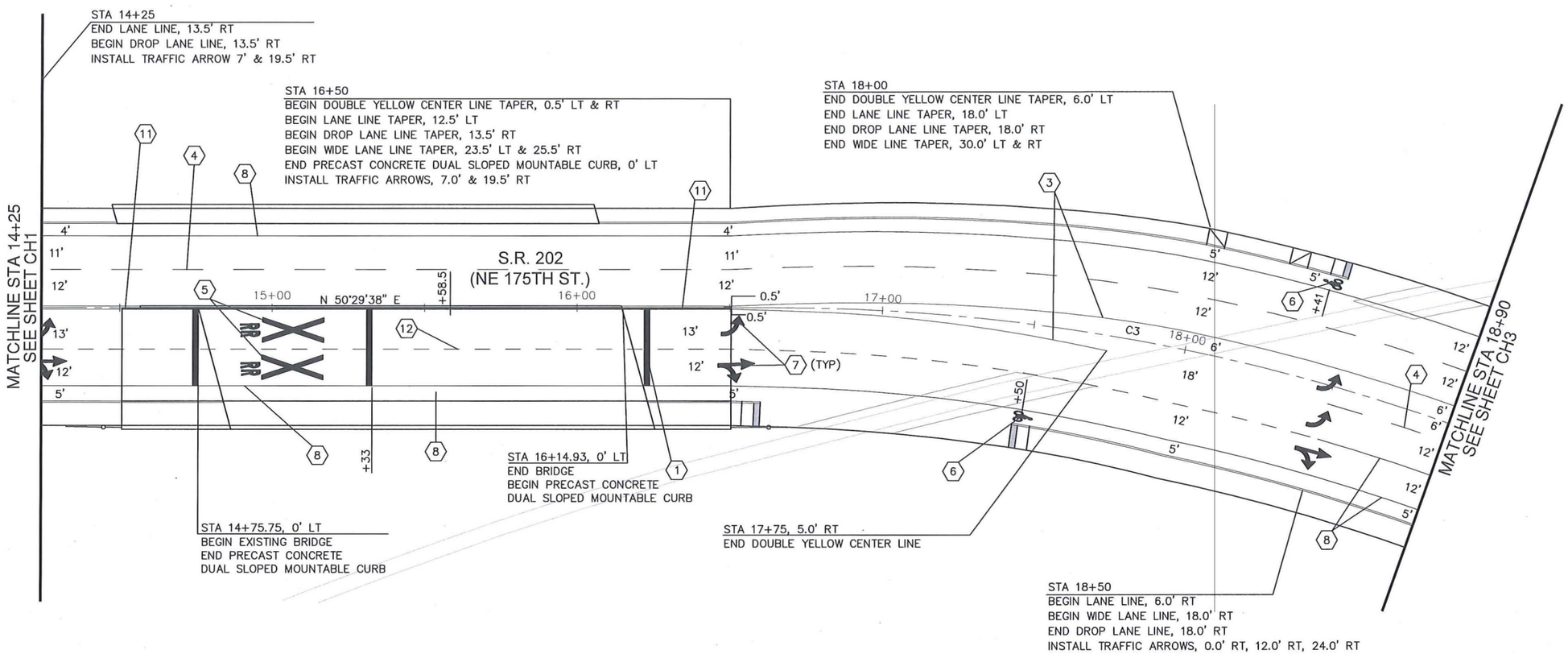

LEGEND

1. INSTALL STOP LINE PER WSDOT STD PLAN M-24.60-02.
2. INSTALL CROSSWALK LINE PER WSDOT STD PLAN M-15.10-01.
3. INSTALL DOUBLE YELLOW CENTER LINE PER WSDOT STD PLAN M-20.50-01.
4. INSTALL WHITE LANE LINE PER WSDOT STD PLAN M-20.10-01.
5. INSTALL RAILROAD CROSSING SYMBOL PER WSDOT STD PLAN M-11.10-01.
6. INSTALL BICYCLE LANE SYMBOL PER WSDOT STD PLAN M-9.50-01.
7. INSTALL TRAFFIC ARROW PER WSDOT STD PLAN M-24.40-01.
8. INSTALL WHITE WIDE LANE LINE PER WSDOT STD PLAN M-20.10-01.
9. INSTALL WHITE DOTTED EXTENSION LINE PER WSDOT STD PLAN M-20.10-01.
10. INSTALL WHITE WIDE DOTTED LANE LINE PER WSDOT STD PLAN M-20.10-01.
11. INSTALL 12" YELLOW PRECAST CONCRETE DUAL SLOPED MOUNTABLE CURB PER WSDOT STD PLAN F-10.64-02.
12. INSTALL WHITE DROP LANE LINE PER WSDOT STD PLAN M-20.10-01.

NOTES:
1) ALL DIMENSIONS TO CURB ARE TO FACE OF CURB.

20 0 20 40
SCALE IN FEET

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FAX: (206) 674-4242

NO.	REVISION	DATE	BY	CK
1	REVISION 1	00/00/10	XXX	XXX
2				
3				
4				
5				

CITY OF WOODINVILLE
17301 133rd AVE NE
WOODINVILLE, WA 98072
PHONE: (425) 489-2700
FAX: (425)489-2705

PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
CHANNELIZATION & SIGNING PLAN

DATE: 12-7-11	CHECKED BY: AL
DESIGNED BY: BJH	PROJECT NO.: XX
DRAWN BY: YD	SCALE: 1"=20'
SHEET XX OF	
DRAWING NO.: CH2	

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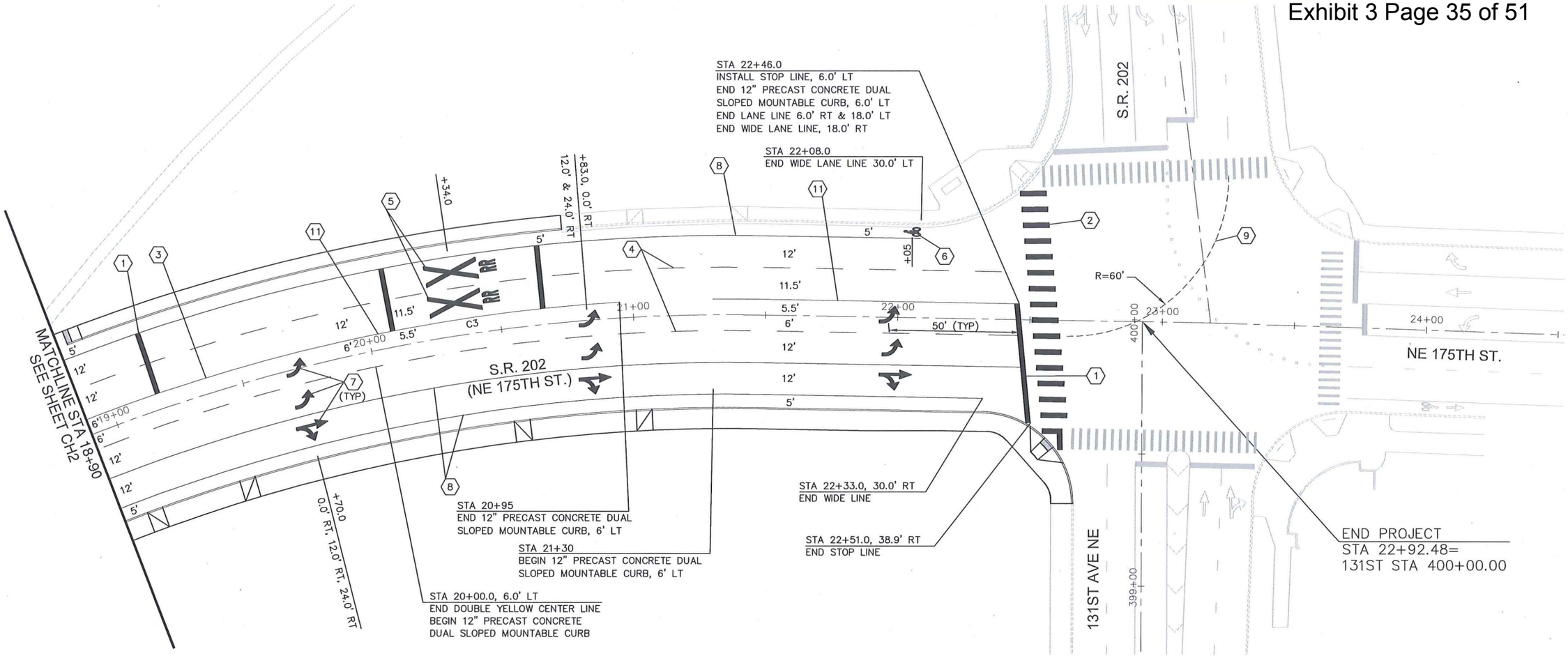

LEGEND

1. INSTALL STOP LINE PER WSDOT STD PLAN M-24.60-02.
2. INSTALL CROSSWALK LINE PER WSDOT STD PLAN M-15.10-01.
3. INSTALL DOUBLE YELLOW CENTER LINE PER WSDOT STD PLAN M-20.50-01.
4. INSTALL WHITE LANE LINE PER WSDOT STD PLAN M-20.10-01.
5. INSTALL RAILROAD CROSSING SYMBOL PER WSDOT STD PLAN M-11.10-01.
6. INSTALL BICYCLE LANE SYMBOL PER WSDOT STD PLAN M-9.50-01.
7. INSTALL TRAFFIC ARROW PER WSDOT STD PLAN M-24.40-01.
8. INSTALL WHITE WIDE LANE LINE PER WSDOT STD PLAN M-20.10-01.
9. INSTALL WHITE DOTTED EXTENSION LINE PER WSDOT STD PLAN M-20.10-01.
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NOTES:
1) ALL DIMENSIONS TO CURB ARE TO FACE OF CURB.

20 0 20 40
SCALE IN FEET

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1	REVISION 1	00/00/10	XXX	XXX
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3				
4				
5				

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PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
CHANNELIZATION & SIGNING PLAN

DATE: 12-07-11	CHECKED BY: AL
DESIGNED BY: BJH	PROJECT NO.: XX
DRAWN BY: YD	SCALE: 1"=20'
SHEET XX OF	
DRAWING NO.: CH3	

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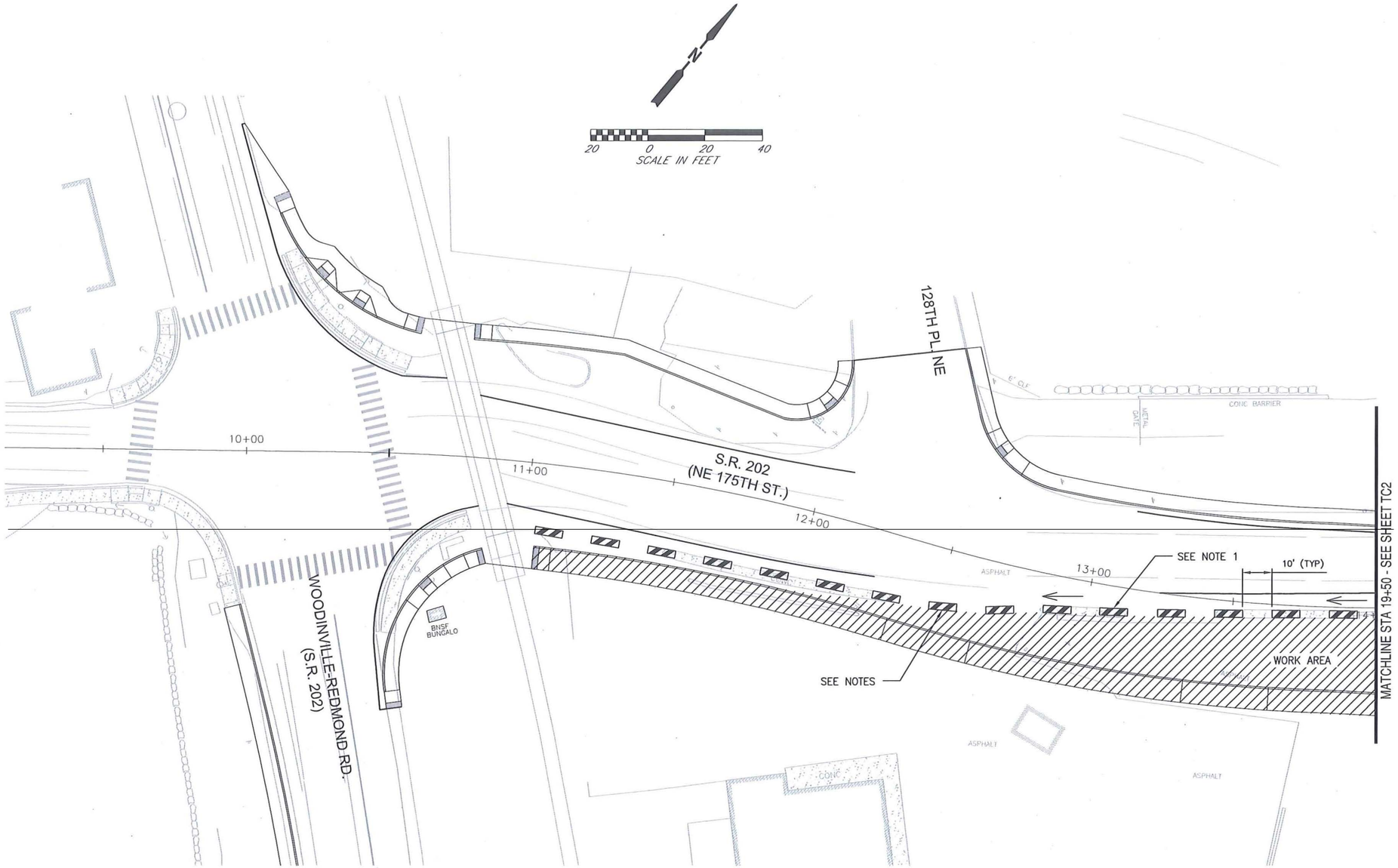


TRAFFIC CONTROL LEGEND

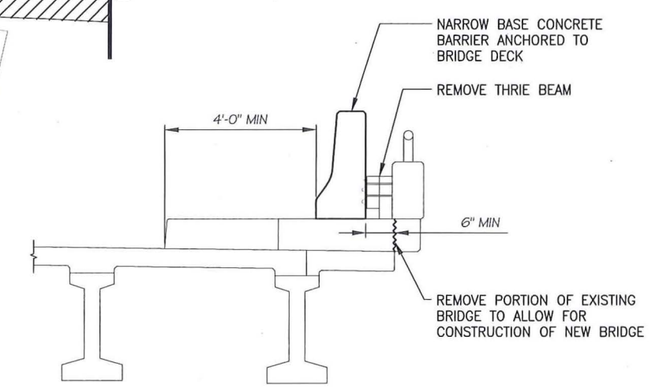
- TYPE 2 BARRICADE
- CHANNELIZATION DEVICES
- PEDESTRIAN ROUTING
- WORK AREA

GENERAL NOTES

1. MAINTAIN A MINIMUM 5' WIDTH FOR PEDESTRIAN WALKWAY.
2. PROVIDE TYPE 2 BARRICADES WHEN WORKING ADJACENT TO PEDESTRIAN ACCESS.
3. MAINTAIN MINIMUM 4' WIDE PEDESTRIAN WALKWAY FOR DURATION OF CONSTRUCTION.
4. DETOUR PEDESTRIANS THROUGH PARK ON PAVED PATHWAYS WHEN PEDESTRIAN PATHWAY CAN NOT BE PROVIDED DUE TO CONSTRUCTION ACTIVITIES. PROVIDE SIDEWALK DETOUR SIGNING ALONG ROUTING.
5. MAINTAIN ACCESS TO BUSINESS AT ALL TIMES.

PHASE 1 NOTES

1. REMOVE PORTION OF EXISTING THRIE BEAM AT EAST OF BRIDGE (SOUTH SIDE), PROVIDE PEDESTRIAN ACCESS AND REMOVE PORTION OF EXISTING BRIDGE TO THE FACILITATE CONSTRUCTION OF NEW BRIDGE.
2. CONSTRUCT NEW BRIDGE.
3. CONSTRUCT NEW SOUTH SIDE WALK (MAINTAIN PEDESTRIAN ACCESS BY UTILIZING PARK ON EAST SIDE AND EXISTING SHOULDER ON WEST SIDE.
4. SHIFT PEDESTIRANS TO NEW SIDEWALK.
5. CONSTRUCT NEW SOUTH SIDE ROADWAY.
6. SHIFT TRAFFIC TO NEW BRIDGE.



SECTION A
SCALE: 1/2" = 1'-0"

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WOODINVILLE, WA 98072
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PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
TRAFFIC CONTROL PHASE 1

DATE: 12-06-2011	CHECKED BY: AL
DESIGNED BY: AS	PROJECT NO.:
DRAWN BY: FDM	SCALE: 1"=20'
SHEET	OF
DRAWING NO.: TC1	

Mar. 16, 12 - 3:10 PM jensenc1 R:\60020199 - Sammamish Bridge and Road (SR202) Project\Phase 2\CADD\sheet\TC1-TC2.dwg

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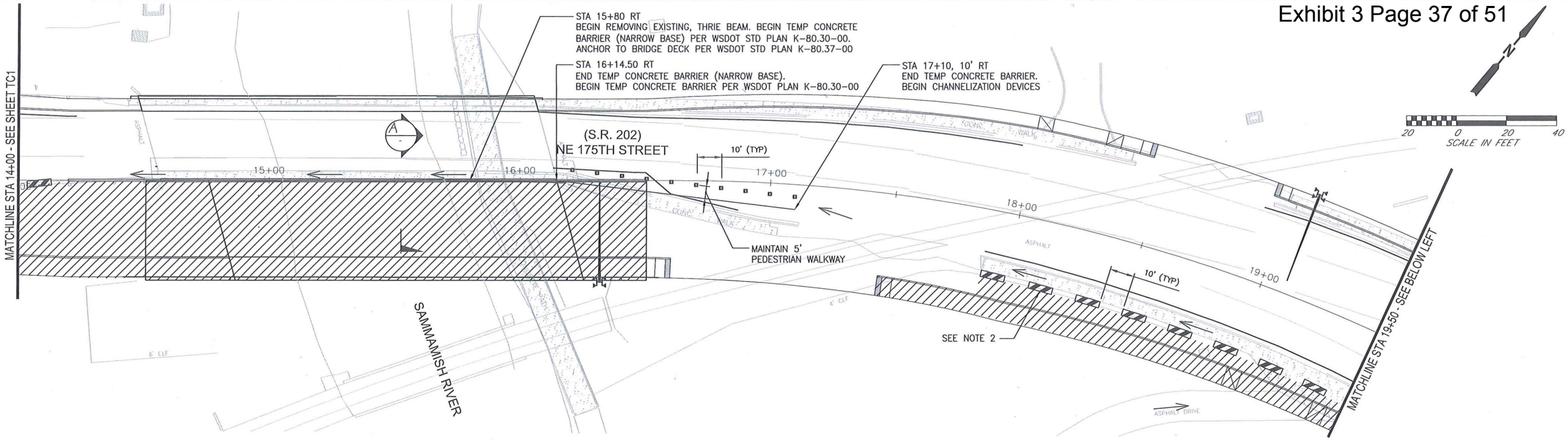

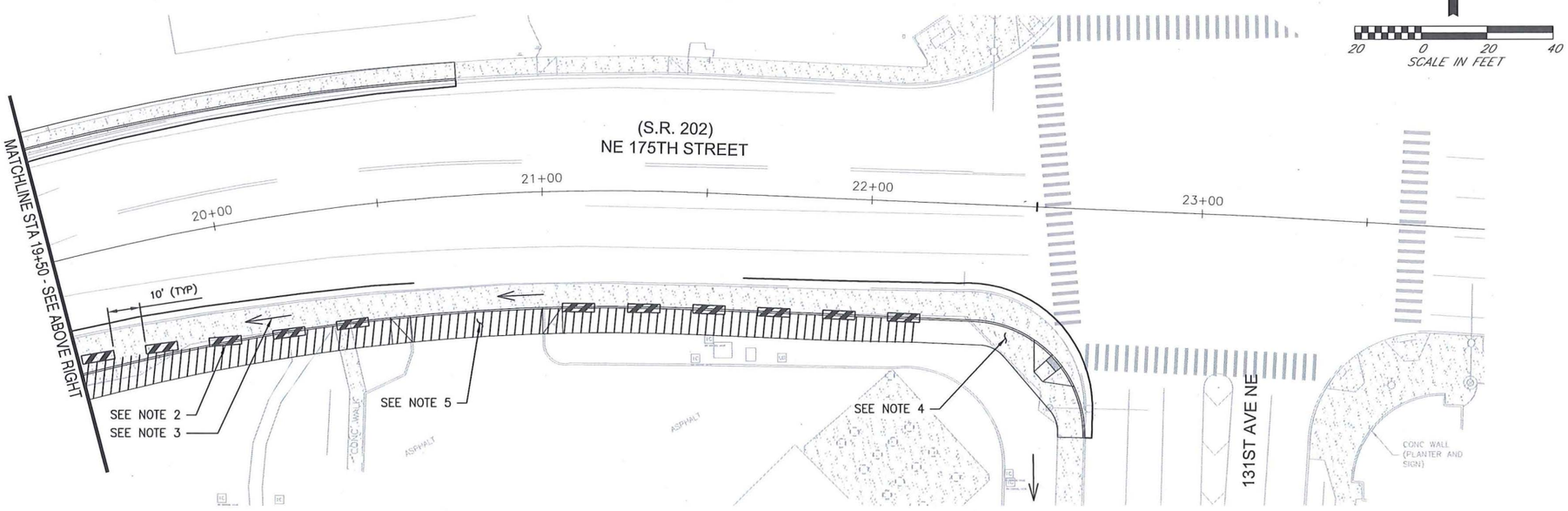

TRAFFIC CONTROL LEGEND

- TYPE 2 BARRICADE
- CHANNELIZATION DEVICES
- PEDESTRIAN ROUTING
- WORK AREA

GENERAL NOTES

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4. SHIFT PEDESTIRANS TO NEW SIDEWALK.
5. CONSTRUCT NEW SOUTH SIDE ROADWAY.
6. SHIFT TRAFFIC TO NEW BRIDGE.

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PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
TRAFFIC CONTROL PHASE 1

DATE: 12-06-2011	CHECKED BY: AL
DESIGNED BY: AS	PROJECT NO.:
DRAWN BY: FDM	SCALE: 1"=20'
SHEET	OF
DRAWING NO.: TC2	

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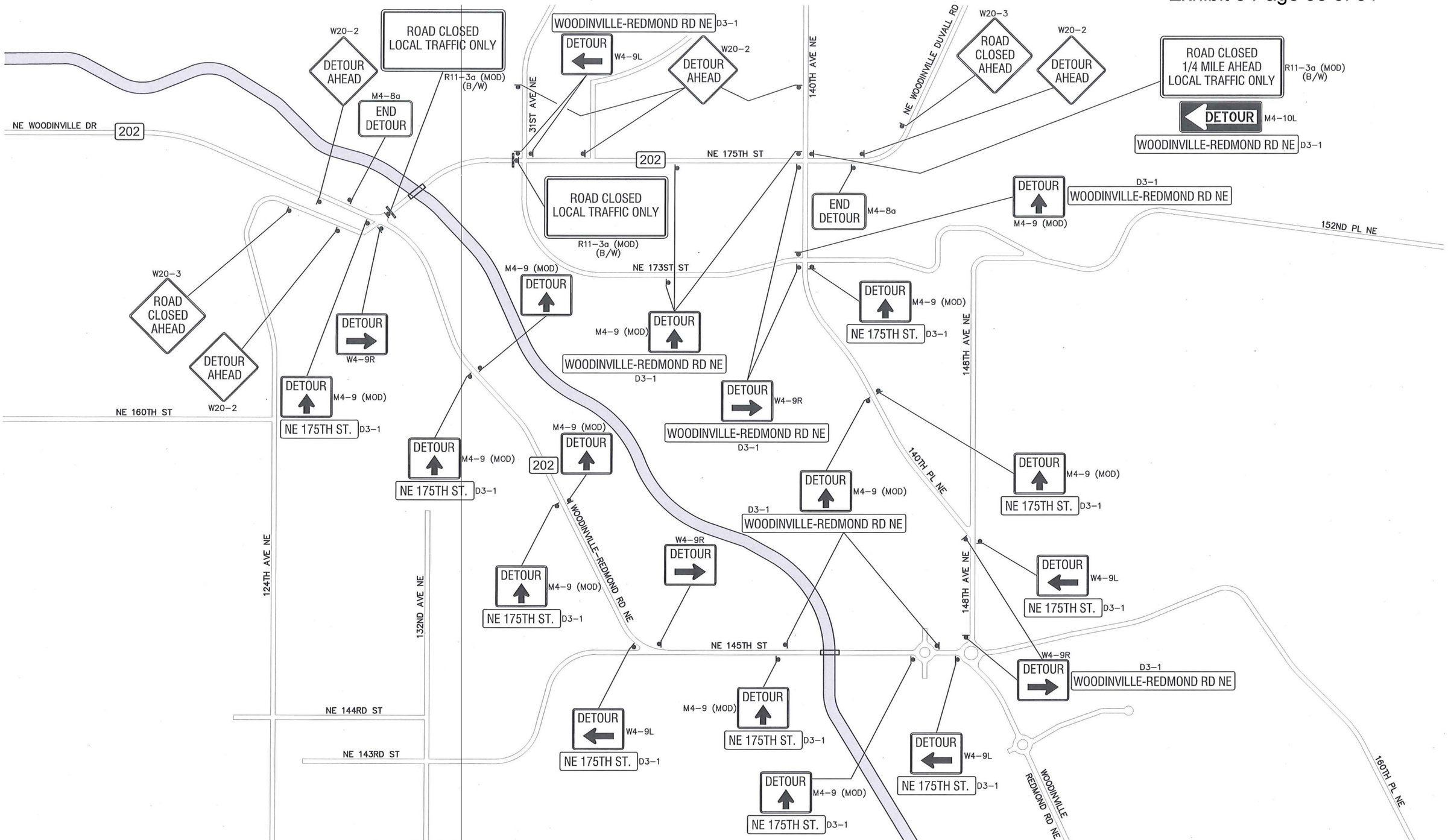

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BRIAN J. HUSCHKA
STATE OF WASHINGTON
28659
REGISTERED PROFESSIONAL ENGINEER

NO.	REVISION	DATE	BY	CK

CITY OF WOODINVILLE
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PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
DETOUR PLAN

DATE: XXX	CHECKED BY: XXX
DESIGNED BY: XXX	PROJECT NO.:
DRAWN BY: HPH	SCALE: NONE
SHEET	OF
DRAWING NO.: TC4	

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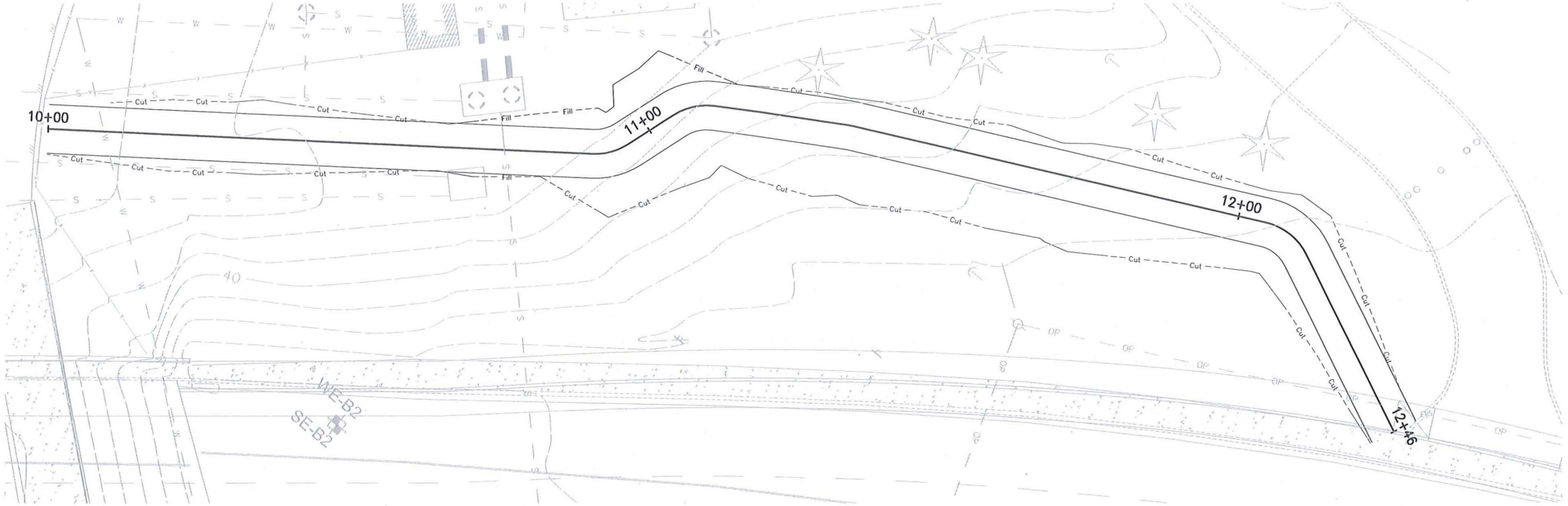

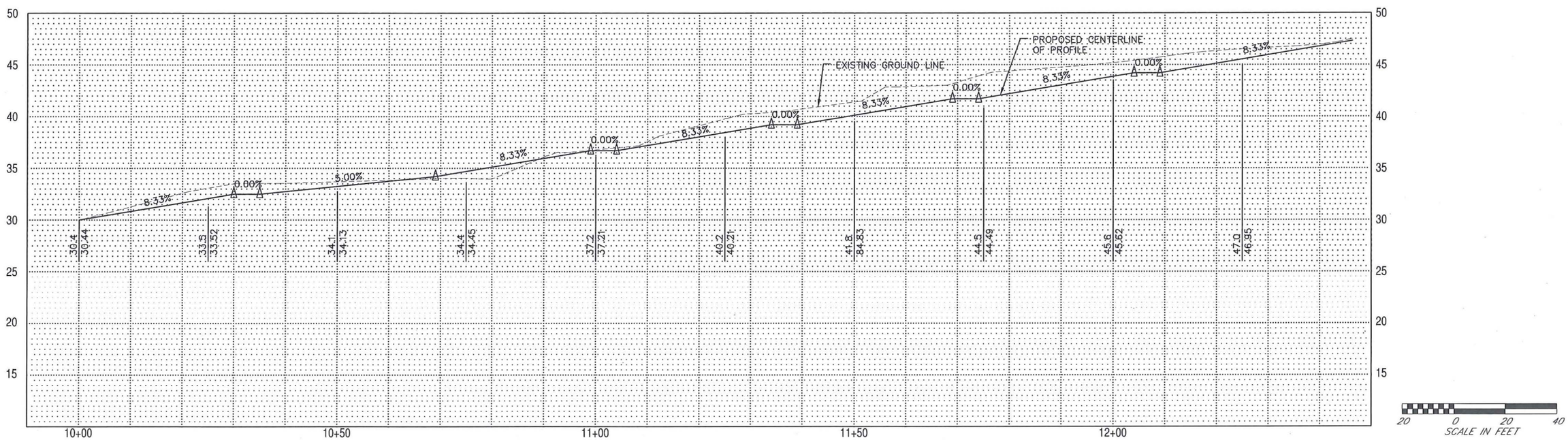

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1	REVISION 1	00/00/10	XXX	XXX
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PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
TRAIL DETOUR PLAN

DATE: 03-23-12	CHECKED BY: EC
DESIGNED BY: BJH	PROJECT NO.: XX
DRAWN BY: CJ	SCALE: 1"=10'
SHEET XX OF	
DRAWING NO.: TC5	

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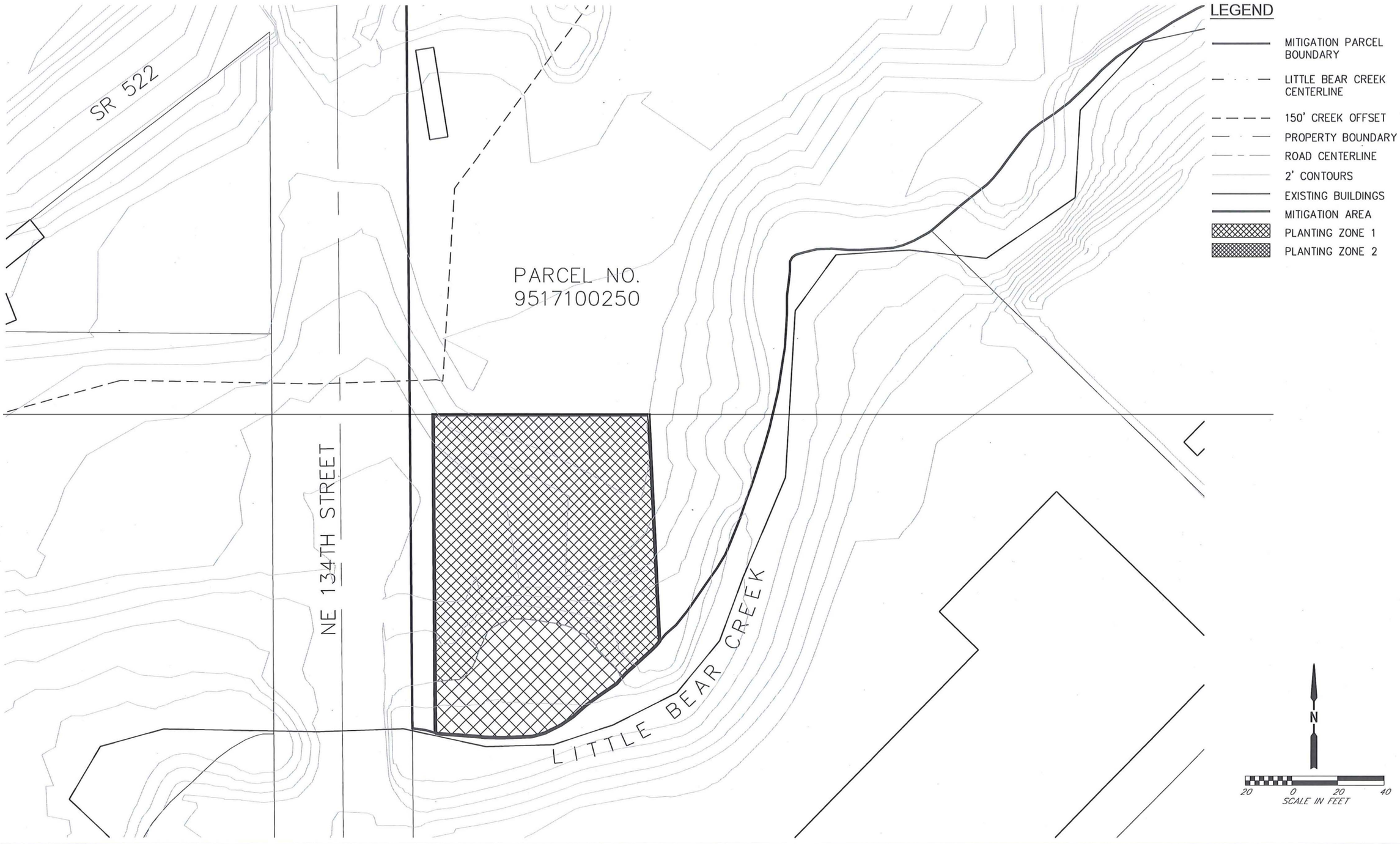

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PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
OFFSITE MITIGATION AND PLANTING PLAN

DATE: 12-07-2011	CHECKED BY:
DESIGNED BY:	PROJECT NO.:
DRAWN BY:	SCALE: 1"=40'
SHEET	OF
DRAWING NO.:	MP1

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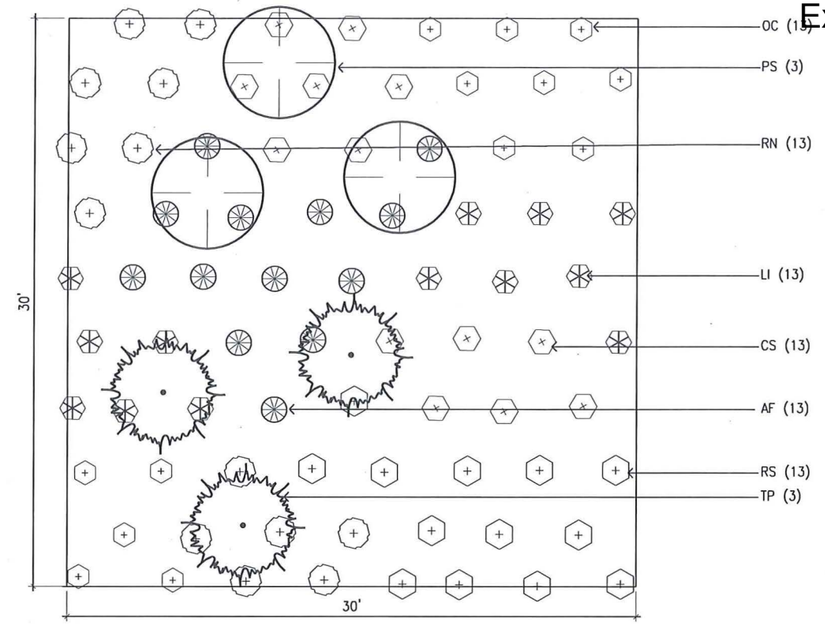
PLANT SCHEDULE FOR ZONE 1 - 2,835 SF TOTAL

TREES	QUANTITY per 900 SF	TOTAL QUANTITY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
	3	9	PS	PICEA SITCHENSIS	SITKA SPRUCE	1 GAL	6' OC
	3	9	TP	THUJA PLICATA	WESTERN RED CEDAR	1 GAL	6' OC
SHRUBS & FERNS							
	13	41	AF	ATHYRIUM FELIX-FEMINA	LADY FERN	1 GAL	4' OC
	13	41	CS	CORNUS STOLONIFERA	RED-OSIER DOGWOOD	1 GAL	4' OC
	13	41	OC	OEMLERIA CERASIFORMIS	INDIAN PLUM	1 GAL	4' OC
	13	41	LI	LONICERA INVOLUCRATA	BLACK TWINBERRY	1 GAL	4' OC
	13	41	RN	ROSA NUTKANA	NOOTKA ROSE/ R. PISOCARPA	1 GAL	4' OC
	13	41	RS	RUBUS SPECTABILIS	SALMONBERRY	1 GAL	4' OC

PLANT SCHEDULE FOR ZONE 2 - 9,466 SF TOTAL

TREES	QUANTITY per 900 SF	TOTAL QUANTITY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
	6	61	AM	ACER MACROPHYLLUM	BIGLEAF MAPLE	1 GAL	6' OC
	6	61	AR	ALNUS RUBRA	RED ALDER	1 GAL	6' OC
	4	45	AG	ABIES GRANDIS	GRAND FIR	1 GAL	6' OC
	4	45	PO	TSUGA HETEROPHYLLA	WESTERN HEMLOCK	1 GAL	6' OC
	4	45	PM	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	1 GAL	6' OC
	4	45	TP	THUJA PLICATA	WESTERN RED CEDAR	1 GAL	6' OC
SHRUBS							
	13	137	AC	ACER CIRRCINATUM	VINE MAPLE	1 GAL	4' OC
	7	69	AA	AMERLANCHIER ALNIFOLIA	SERVICEBERRY	1 GAL	4' OC
	7	69	CC	CORYLUS CORNUTA	BEAKED HAZELNUT	1 GAL	4' OC
	7	69	HD	HOLODISCUS DISCOLOR	OCEAN SPREAY	1 GAL	4' OC
	13	137	RN	ROSA NUTKANA	NOOTKA ROSE/R. PISOCARPA	1 GAL	4' OC
	7	69	SR	SAMBUCUS RACEMOSE	RED ELDERBERRY	1 GAL	4' OC
	13	137	SA	SYMPHORICARPOS ALBUS	SNOWBERRY	1 GAL	4' OC



1 PLANTING ZONE 1 TEMPLATE- 900 SF

SCALE: 1/8"=1'-0" DT-PLNT-TEMPLATE-FRST-ENHANCED.dwg

NOTES:
1. LAYOUT TO BE VERIFIED ON SITE DUE TO VARYING FIELD CONDITIONS AND PLANT DENSITIES.
2. REFER TO RESTORATION PLANT SCHEDULE FOR PLANT QUANTITIES
3. PLANTING WITHIN CRITICAL ROOT ZONE (CRZ) OF EXISTING TREES TO BE LIMITED TO 1 GAL. POTS OR SMALLER, PLANT LAYOUT TO BE VERIFIED BY OWNER'S REPRESENTATIVE.

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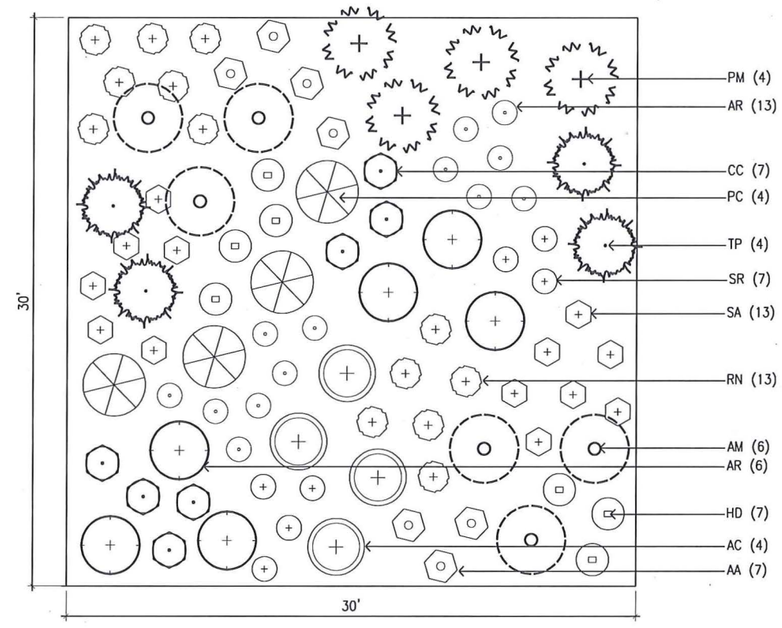
SCALE IN FEET



2 PLANTING ZONE 2 TEMPLATE- 900 SF

SCALE: 1/8"=1'-0" DT-PLNT-TEMPL-FRST-REST.dwg

NOTES:
1. LAYOUT TO BE VERIFIED ON SITE DUE TO VARYING FIELD CONDITIONS AND PLANT DENSITIES.
2. REFER TO RESTORATION PLANT SCHEDULE FOR PLANT QUANTITIES
3. PLANTING WITHIN CRITICAL ROOT ZONE (CRZ) OF EXISTING TREES TO BE LIMITED TO 1 GAL. POTS OR SMALLER, PLANT LAYOUT TO BE VERIFIED BY OWNER'S REPRESENTATIVE.

5 0 5 10
SCALE IN FEET

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NO.	REVISION	DATE	BY	CK

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PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
OFFSITE MITIGATION AND PLANTING PLAN

DATE: 12-07-2011	CHECKED BY:
DESIGNED BY:	PROJECT NO.:
DRAWN BY:	SCALE: 1"=40'
SHEET	OF
DRAWING NO.:	MP2

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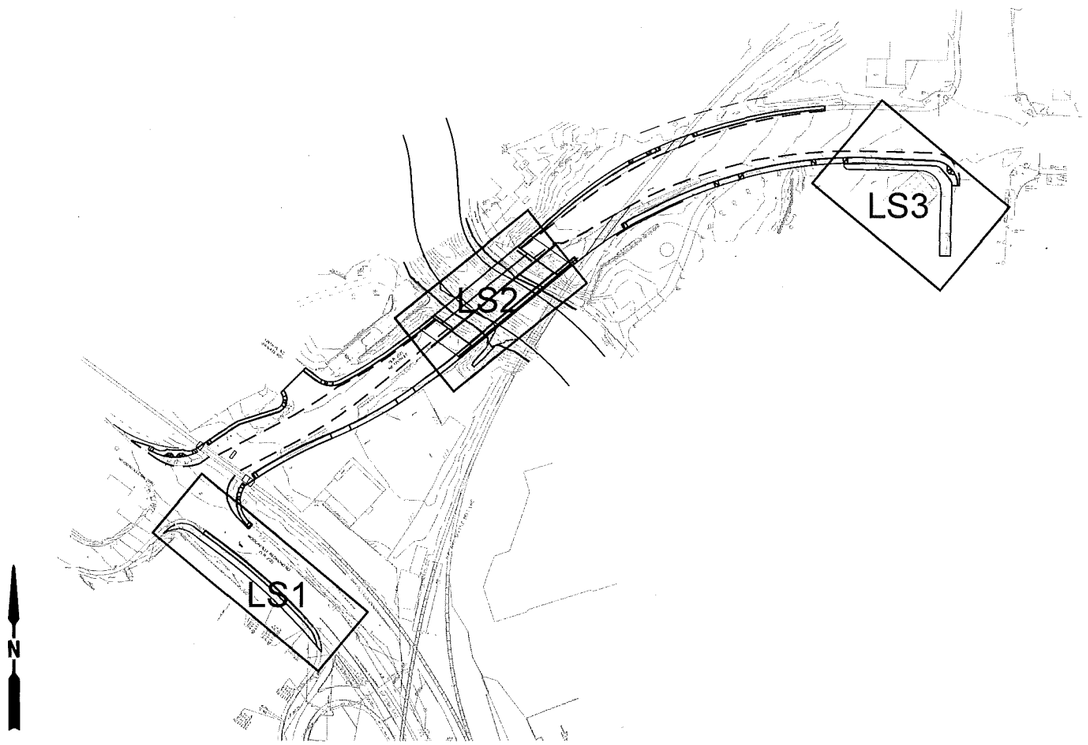
GENERAL CONSTRUCTION NOTES:



GENERAL CONSTRUCTION NOTES:

1. TBD

REFERENCING SYSTEM:

PT — PLANT SYMBOL
13 — QUANTITY

PLANTING LEGENDS:

	RIVERBANK RESTORATION – SEE DETAIL 5/LS5 & SCHEDULE 1/LS5	1302 SQ FT
	ACCENT STREETSCAPE PLANTING	5506 SQ FT

NOTE:
1. REFER TO DRAWINGS LISTED FOR PLANT SCHEDULES/QUANTITIES
2. AREAS ARE APPROXIMATE

PLANT SCHEDULE FOR ACCENT STREETSCAPE AREAS:

TREES	SYMBOL	BOTANICAL NAME	COMMON NAME	QUANTITY	SIZE	SPACING	NOTES
	AC	ACER CIRCINATUM	VINE MAPLE		5' HT MIN.	4' MIN OC	MIN. 60% MULTI-STEMMED (MULTI-STEMMED DEFINED AS 2+ STEMS, BRANCHING AT OR BELOW 12" FROM FINISH GRADE)
	AR	ACER RUBRUM	RED MAPLE		5' HT MIN.	8' MIN OC	
	PM	PSEUDOTSUGA MENZIESII	DOUGLAS FIR		5' HT MIN. 12' HT MIN (3)	8' MIN OC	5 TREES AT 12' HT MIN. BRANCHING NO MORE THAN 24" FROM FINISH GRADE.
	TP	THUJA PLICATA	WESTERN RED CEDAR		5' HT MIN.	8' MIN OC	BRANCHING NO MORE THAN 24" FROM FINISH GRADE.
SHRUBS	SYMBOL	BOTANICAL NAME	COMMON NAME	QUANTITY	SIZE	SPACING	NOTES
	CO	CERCIS OCCIDENTALIS	WESTERN REDBUD		6' MIN	PER PLAN	MULTI-STEMMED; SELECT SPECIMEN FOR OPEN, AIRY STRUCTURE. AVOID DENSE CANOPY.
	HI	HAMAMELIS X INTERMEDIA 'JELENA'	WITCH HAZEL		5' MIN		MULTI-STEMMED
	RY	RHODODENDRON YAKUSHIMANUM	YAK RHODODENDRON		1 GAL	18" OC	RED BLOOMS, DARK, NARROW LEAVES, MATURE HEIGHT NO TALLER THAN 48"
	BS	BLECHNUM SPICANT	DEER FERN		1 GAL	3' OC	
GRASSES	SYMBOL	BOTANICAL NAME	COMMON NAME	QUANTITY	SIZE	SPACING	NOTES
	MA	MISCANTHUS SINENSIS 'ADAGIO'	MAIDEN GRASS		2 GAL	3' OC	
	MG	MISCANTHUS SINENSIS 'GRACILIMUS'	MAIDEN GRASS		2 GAL	3' OC	
	PA	PENNISETUM ALOPECUROIDES "HAMELIN"	FOUNTAIN GRASS		2 GAL	3' OC	
	HP	HEUCHERA 'PEPPERMINT SPICE'	CORAL BELLS		6" POT	18" OC	

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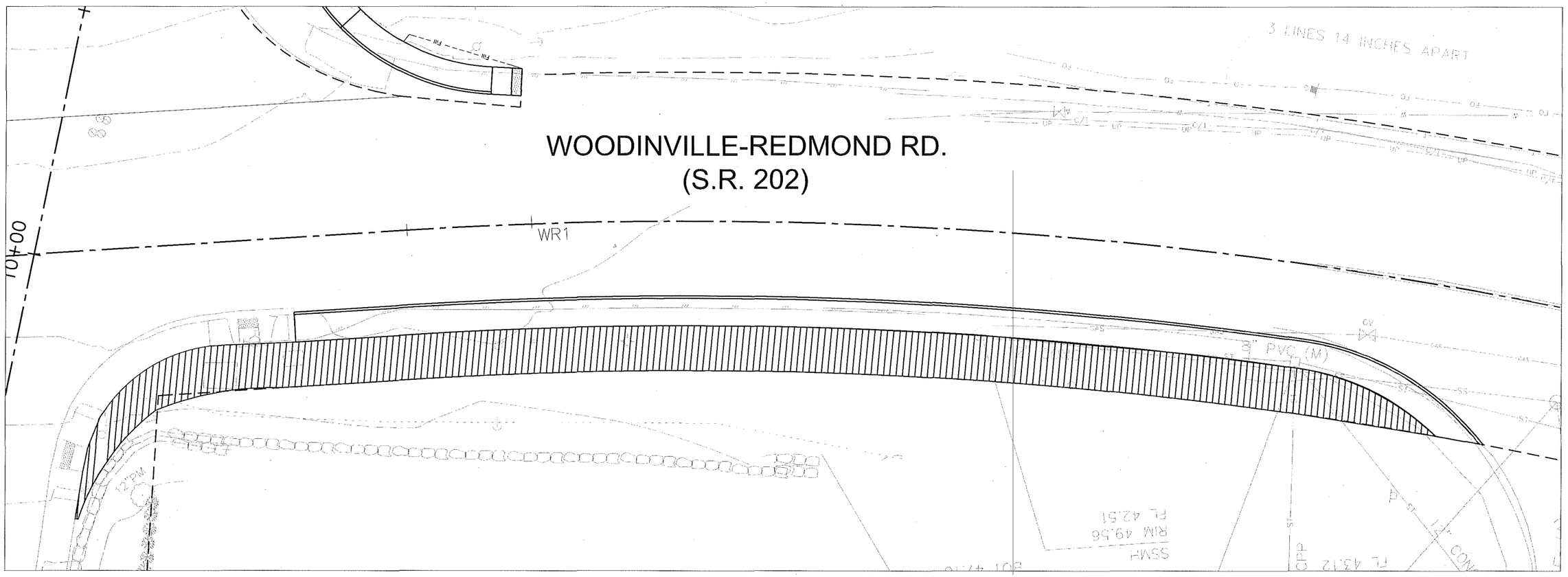
PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
LANDSCAPE PLAN

DATE: 03-15-2012	CHECKED BY: AL
DESIGNED BY: BJH	PROJECT NO.:
DRAWN BY: YD	SCALE: 1"=10'
SHEET	OF
DRAWING NO.: LS0	

Mar. 15, 12 - 4:30 PM hauckl F:\2010\10100025_01Sammamish\SR202\04CAD\LANDSCAPE\4.2Models\L-SP.dwg

60% SUBMITTAL



PLANTING LEGEND

TREES	SYMBOL	BOTANICAL NAME	COMMON NAME
	AC	ACER CIRCINATUM	VINE MAPLE
	AR	ACER RUBRUM	RED MAPLE
	PM	PSEUDOTSUGA MENZIESII	DOUGLAS FIR
	TP	THUJA PLICATA	WESTERN RED CEDAR
SHRUBS	**SYMBOL**	**BOTANICAL NAME**	**COMMON NAME**
	CO	CERCIS OCCIDENTALIS	WESTERN REDBUD
	HI	HAMAMELIS X INTERMEDIA 'JELENA'	WITCH HAZEL
	RY	RHODODENDRON YAKUSHIMANUM	YAK RHODODENDRON
	BS	BLECHNUM SPICANT	DEER FERN

GRASSES	SYMBOL	BOTANICAL NAME	COMMON NAME
	MA	MISCANTHUS SINENSIS 'ADAGIO'	MAIDEN GRASS
	MG	MISCANTHUS SINENSIS 'GRACILIMUS'	MAIDEN GRASS
	PA	PENNISETUM ALOPECUROIDES "HAMELN"	FOUNTAIN GRASS
	HP	HEUCHERA 'PEPPERMINT SPICE'	CORAL BELLS

NOTES:

1. REFER TO PLANTING SCHEDULE ON LSO FOR PLANT DETAILS AND QUANTITIES

N

20 0 20 40
SCALE IN FEET

AECOM
701 5TH AVENUE, SUITE 1100
SEATTLE, WASHINGTON 98104
PHONE: (206) 674-4200
FAX: (206) 674-4242

NO.	REVISION	DATE	BY	CK

CITY OF WOODINVILLE
17301 133rd AVE NE
WOODINVILLE, WA 98072
PHONE: (425) 489-2700
FAX: (425)489-2705

PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
LANDSCAPE PLAN

DATE: 03-15-2012	CHECKED BY: AL
DESIGNED BY: BJH	PROJECT NO.:
DRAWN BY: YD	SCALE: 1"=10'
SHEET	OF
DRAWING NO.:	LS1

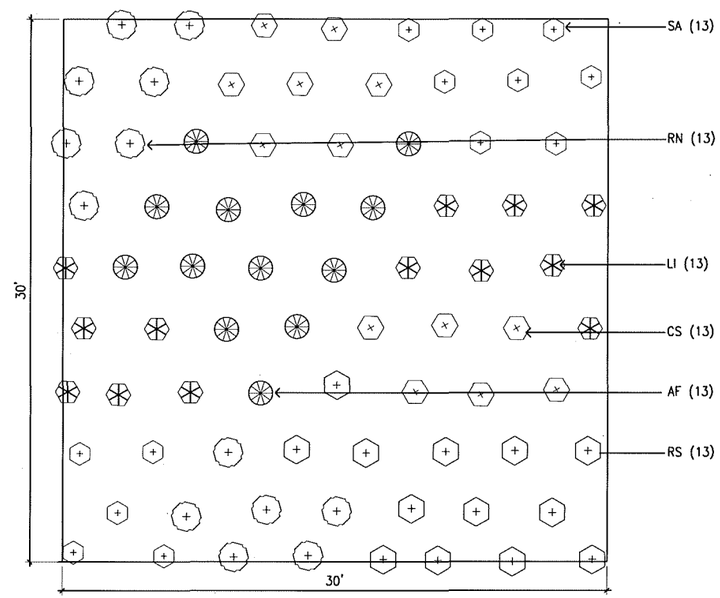
Mar. 15, 12 - 4:30 PM heuckl P:\2010\10100025_01\Sammamish\R202\04CAD\LANDSCAPE\4.2\Models\L-SP.dwg

60% SUBMITTAL

SHRUBS & FERNS	QUANTITY per 900 SF	TOTAL QUANTITY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	NOTES	
⊛	13	19	AF	ATHYRIUM FELIX-FEMINA	LADY FERN	1 GAL	4' OC	CLUSTER CLOSESR TO RIVER	2
⊙	13	19	CS	CORNUS STOLONIFERA	RED-OSIER DOGWOOD	1 GAL	4' OC	CLUSTER	2
⊙	13	19	SA	SYMPHORICARPOS ALBUS	SNOWBERRY	1 GAL	4' OC		2
⊛	13	19	LI	LONICERA INVOLUCRATA	BLACK TWINBERRY	1 GAL	4' OC		2
⊙	13	19	RN	ROSA NUTKANA	NOOTKA ROSE/ R. PISOCARPA	1 GAL	4' OC	CLUSTER	2
⊙	13	19	RS	RUBUS SPECTABILIS	SALMONBERRY	1 GAL	4' OC		2

1 RESTORATION ZONE PLANTING SCHEDULE

SCALE: 1/8"=1'-0" DT-PLNT-TEMPLATE-FRST-ENHANCED.dwg



NOTES:
1. LAYOUT TO BE VERIFIED ON SITE DUE TO VARYING FIELD CONDITIONS AND PLANT DENSITIES.
2. REFER TO RESTORATION PLANT SCHEDULE FOR PLANT QUANTITIES
3. PLANTING WITHIN CRITICAL ROOT ZONE (CRZ) OF EXISTING TREES TO BE LIMITED TO 1 GAL. POTS OR SMALLER, PLANT LAYOUT TO BE VERIFIED BY OWNER'S REPRESENTATIVE.

SCALE IN FEET 0 1 3 5 10

2 RESTORATION PLANTING TEMPLATE- 900 SF

SCALE: 1/8"=1'-0" DT-PLNT-TEMPLATE-FRST-ENHANCED.dwg

N

20 0 20 40
SCALE IN FEET

AECOM
701 5TH AVENUE, SUITE 1100
SEATTLE, WASHINGTON 98104
PHONE: (206) 674-4200
FAX: (206) 674-4242

NO.	REVISION	DATE	BY	CK

CITY OF WOODINVILLE
17301 133rd AVE NE
WOODINVILLE, WA 98072
PHONE: (425) 489-2700
FAX: (425)489-2705

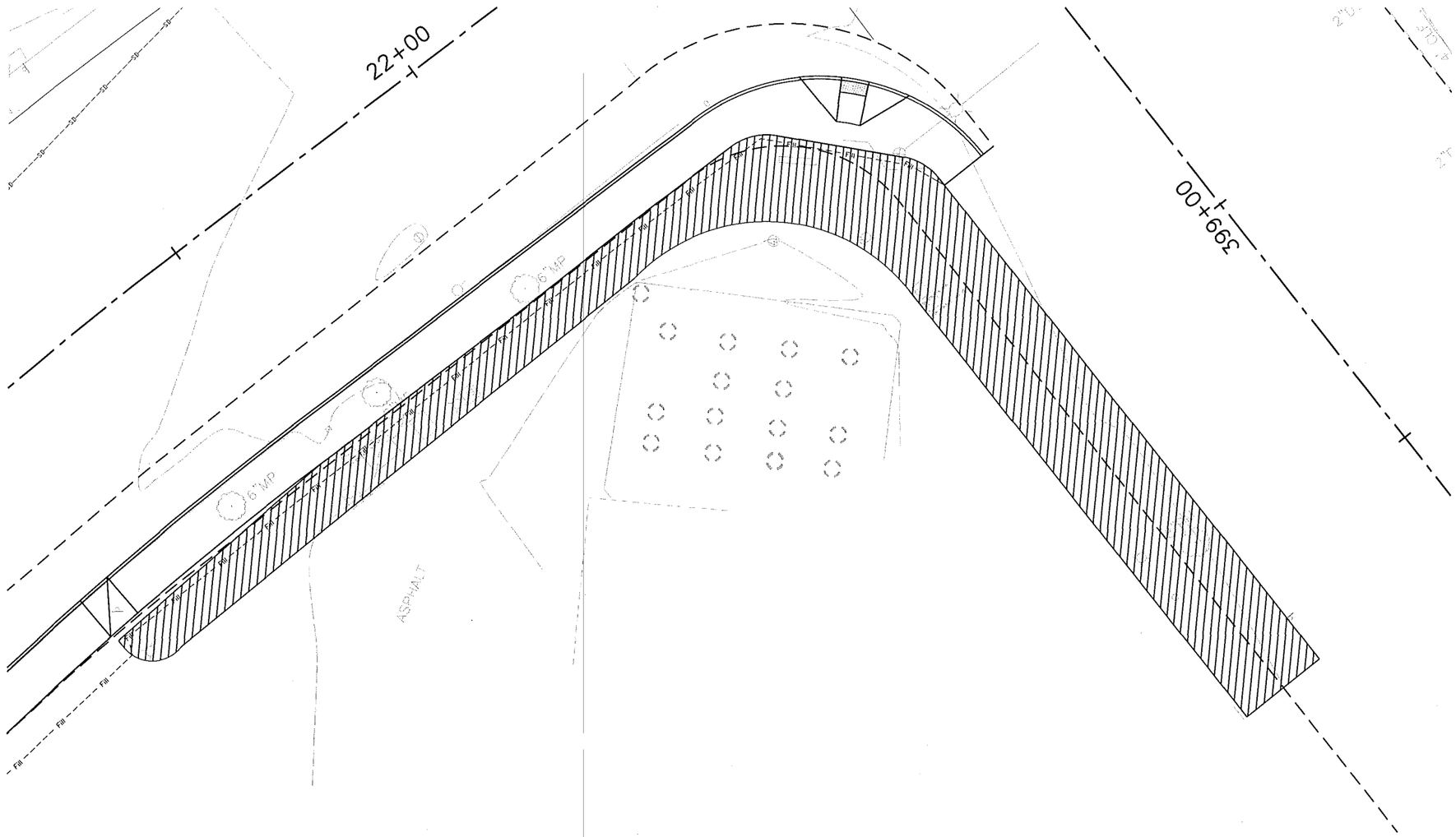
PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
LANDSCAPE PLAN

DATE: 03-15-2012	CHECKED BY: AL
DESIGNED BY: BJH	PROJECT NO.:
DRAWN BY: YD	SCALE: 1"=10'
SHEET	OF
DRAWING NO.: LS2	

Mar. 15, 12 - 4:30 PM hauckl P:\2010\10100025_01Sammamish\R202\04040\LANDSCAPE\4.2Models\L-SP.dwg

60% SUBMITTAL



PLANTING LEGEND

TREES	SYMBOL	BOTANICAL NAME	COMMON NAME
	AC	ACER CIRCINATUM	VINE MAPLE
	AR	ACER RUBRUM	RED MAPLE
	PM	PSEUDOTSUGA MENZIESII	DOUGLAS FIR
	TP	THUJA PLICATA	WESTERN RED CEDAR
SHRUBS	SYMBOL	BOTANICAL NAME	COMMON NAME
	CO	CERCIS OCCIDENTALIS	WESTERN REDBUD
	HI	HAMAMELIS X INTERMEDIA 'JELENA'	WITCH HAZEL
	RY	RHODODENDRON YAKUSHIMANUM	YAK RHODODENDRON
	BS	BLECHNUM SPICANT	DEER FERN
GRASSES	SYMBOL	BOTANICAL NAME	COMMON NAME
	MA	MISCANTHUS SINENSIS 'ADAGIO'	MAIDEN GRASS
	MG	MISCANTHUS SINENSIS 'GRACILIMUS'	MAIDEN GRASS
	PA	PENNISETUM ALOPECUROIDES "HAMELIN"	FOUNTAIN GRASS
	HP	HEUCHERA 'PEPPERMINT SPICE'	CORAL BELLS

NOTES:

1. REFER TO PLANTING SCHEDULE ON LS0 FOR PLANT DETAILS AND QUANTITIES

20 0 20 40
SCALE IN FEET

AECOM
701 5TH AVENUE, SUITE 1100
SEATTLE, WASHINGTON 98104
PHONE: (206) 674-4200
FAX: (206) 674-4242

NO.	REVISION	DATE	BY	CK

CITY OF WOODINVILLE
17301 133rd AVE NE
WOODINVILLE, WA 98072
PHONE: (425) 489-2700
FAX: (425)489-2705

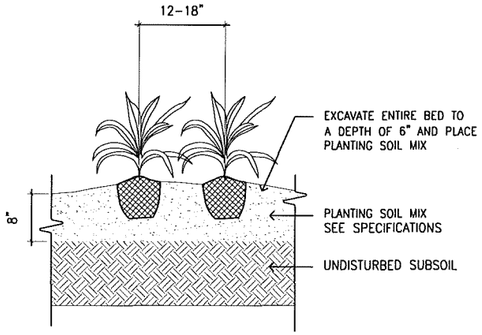
PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
LANDSCAPE PLAN

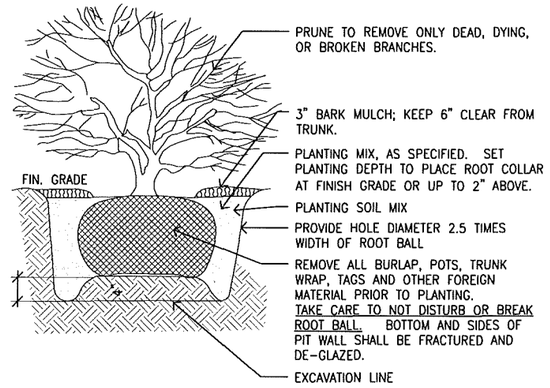
DATE: 03-15-2012	CHECKED BY: AL
DESIGNED BY: BJH	PROJECT NO.:
DRAWN BY: YD	SCALE: 1"=10'
SHEET	OF
DRAWING NO.:	LS3

Mar. 15, 12 - 4:30 PM hsuck1 P:\2010\10100025_01Sammamish\SR202\04CAD\LANDSCAPE\4.2Models\L-SP.dwg

60% SUBMITTAL

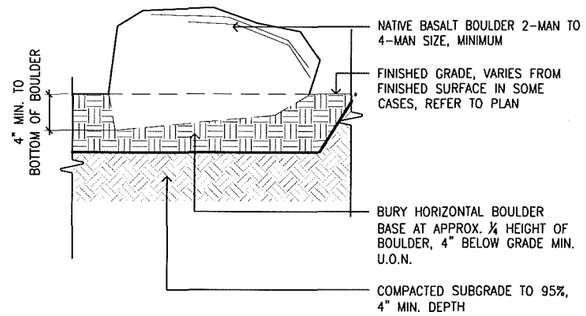


1 GROUNDCOVER / GRASS PLANTING
SCALE: 1"=1'-0" DT-PLNT-GCOVER_01.dwg

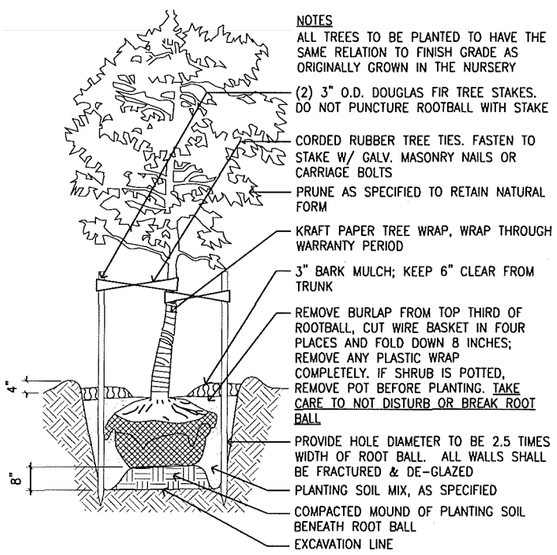


2 SHRUB PLANTING (TYP.)
SCALE: 1"=1'-0" SHRUB2.dwg

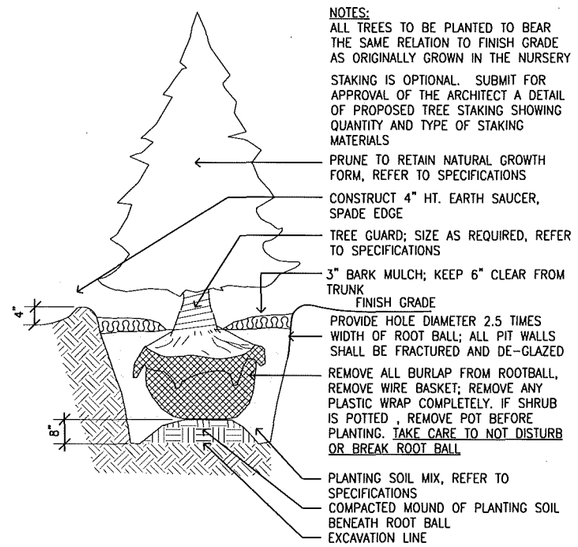
NOTE:
INSTALL BOULDER TO REPLICATE NATURAL LOOKING PLACEMENT



3 LANDSCAPE BOULDER
SCALE: NTS DT-BLDR-3MAN.dwg



5 DECIDUOUS TREE PLANTING (TYP.)
SCALE: 1/2"-1'-0" DT-PLNT-TREE-2_24.dwg



6 EVERGREEN TREE PLANTING (TYP.)
SCALE: 3/4"=1'-0" DT-PLNT-EVGRN_16.dwg

AECOM
701 5TH AVENUE, SUITE 1100
SEATTLE, WASHINGTON 98104
PHONE: (206) 674-4200
FAX: (206) 674-4242

NO.	REVISION	DATE	BY	CK

CITY OF WOODINVILLE
17301 133rd AVE NE
WOODINVILLE, WA 98072
PHONE: (425) 489-2700
FAX: (425)489-2705

PROJECT INFORMATION
SAMMAMISH BRIDGE (NO. 202/35) REPLACEMENT PROJECT

SHEET TITLE:
LANDSCAPING DETAILS & NOTES

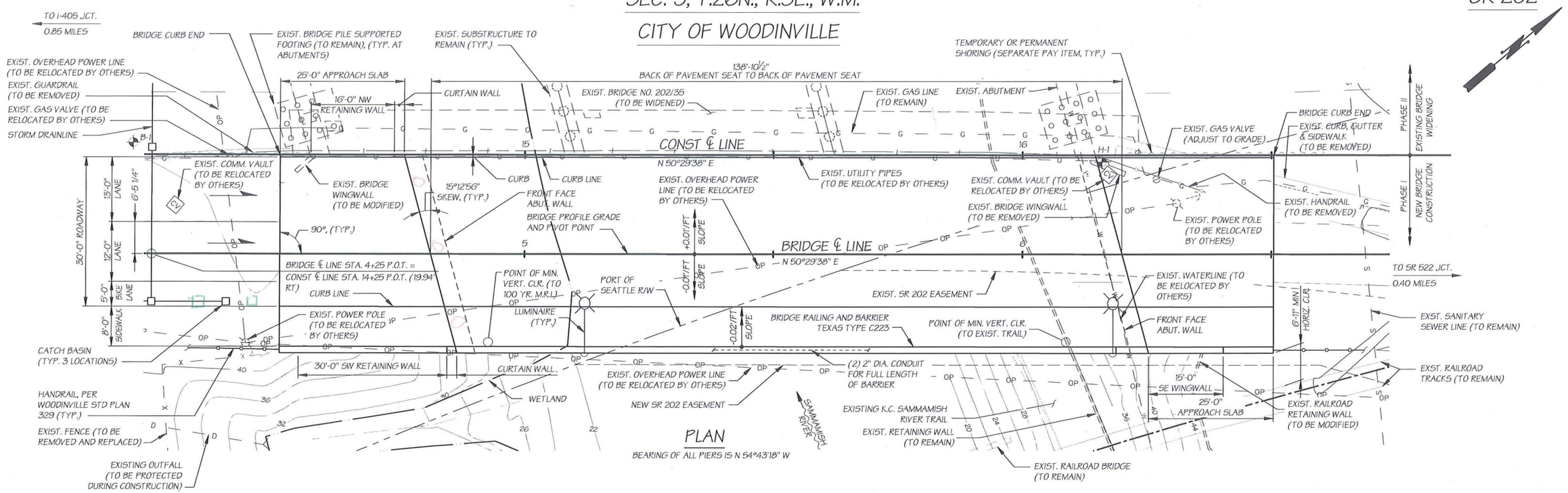
DATE: 12-06-2011	CHECKED BY:
DESIGNED BY:	PROJECT NO.:
DRAWN BY: FDM	SCALE: NONE
SHEET	OF
DRAWING NO.: LS4	

Mar. 15, 12 - 2:46 PM houckl P:\2010\10100025_01Sammamish\SR202\04CAD\LANDSCAPE\4.2\Details\DetailSheets-LS4\LS4.dwg

SEC. 9, T.26N., R.5E., W.M.

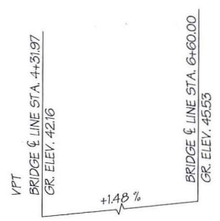
CITY OF WOODINVILLE

SR 202

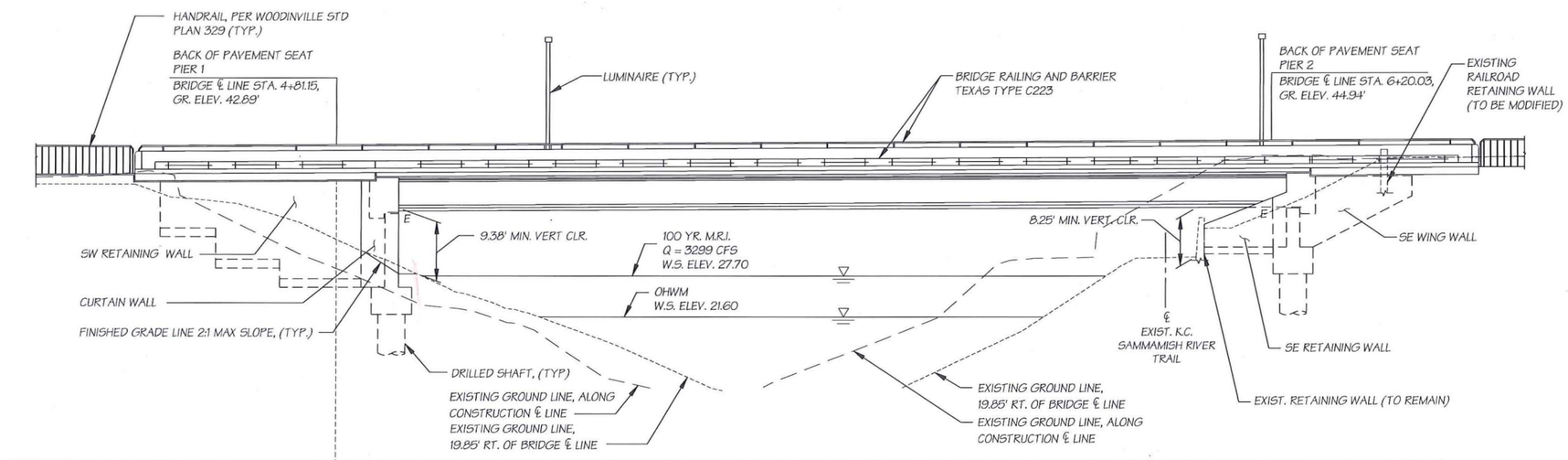


PLAN

BEARING OF ALL PIERS IS N 54°43'18" W



BRIDGE ℄ LINE PROFILE



ELEVATION

GRADE ELEVATIONS ARE FINISHED GRADES AT TOP OF DECK ON BRIDGE ℄ LINE AND ARE EQUAL TO PROFILE GRADE. SEE STD. PLAN A-50 FOR EMBANKMENT WIDENING DETAILS AT BRIDGE ENDS

LEGEND

X-X	TEST HOLE LOCATION
CV	EXIST. COMM. VAULT
	EXIST. GAS VALVE
	EXIST. POLE ANCHOR
	EXIST. UTILITY POLE
	LUMINAIRE
W — — W — — W	EXIST. WATER MAIN
G — — G — — G	EXIST. GAS LINE
S — — S — — S	EXIST. SANITARY SEWER
OP — — OP — — OP	EXIST. OVERHEAD POWER LINE
U — — U — — U	EXIST. UTILITY LINE
D — — D — — D	EXIST. STORM DRAIN
X — — X — — X	EXIST. FENCE
— — I — — I —	EXIST. GUARDRAIL
= = = = = = = =	EXIST. RETAINING WALL
	2" DIA. CONDUIT
	WETLAND LINE
	CATCH BASIN & STORM DRAIN
	EXIST. HANDRAIL

P.C. GIRDERS (WF58G)
LOADING: HL-93

BRIDGE WITH APPROACH FILLS
WF58G P.C. GIRDERS
"A" DIMENSION = 11 1/2" (PRELIMINARY ~ NOT FOR DESIGN)
CAST-IN-PLACE CONCRETE STRENGTH SHALL BE 4000 PSI
DECK PROTECTIVE SYSTEM I (EPOXY COATED REBARS)

COAST GUARD LIASON

PERMIT TARGET DATE NOT REQUIRED

DATUM

N.A.V.D. OF 1988

PLAN APPROVED BY:

BRIDGE AND STRUCTURES ENGINEER

ENGINEERING MANAGER

SR 202 _ JOB NO. 7454 _ SHEET 1 OF 2

BRIDGE DESIGN ENGR.	
SUPERVISOR	
DESIGNED BY	
CHECKED BY	
DETAILED BY	
BRIDGE PROJECTS ENGR.	
PRELIM. PLAN BY	
ARCHITECT/SPECIALIST	

AECOM
701 5TH AVENUE, SUITE 1100
SEATTLE, WASHINGTON 98104
PHONE: (206) 674-4200
FAX: (206) 674-4242

AARON R. SILVER — STATE OF WASHINGTON — 22739 — REGISTERED PROFESSIONAL ENGINEER

NO.	REVISION	DATE	BY	CK

CITY OF WOODINVILLE
17301 133rd AVE NE
WOODINVILLE, WA 98072
PHONE: (425) 489-2700
FAX: (425)489-2705

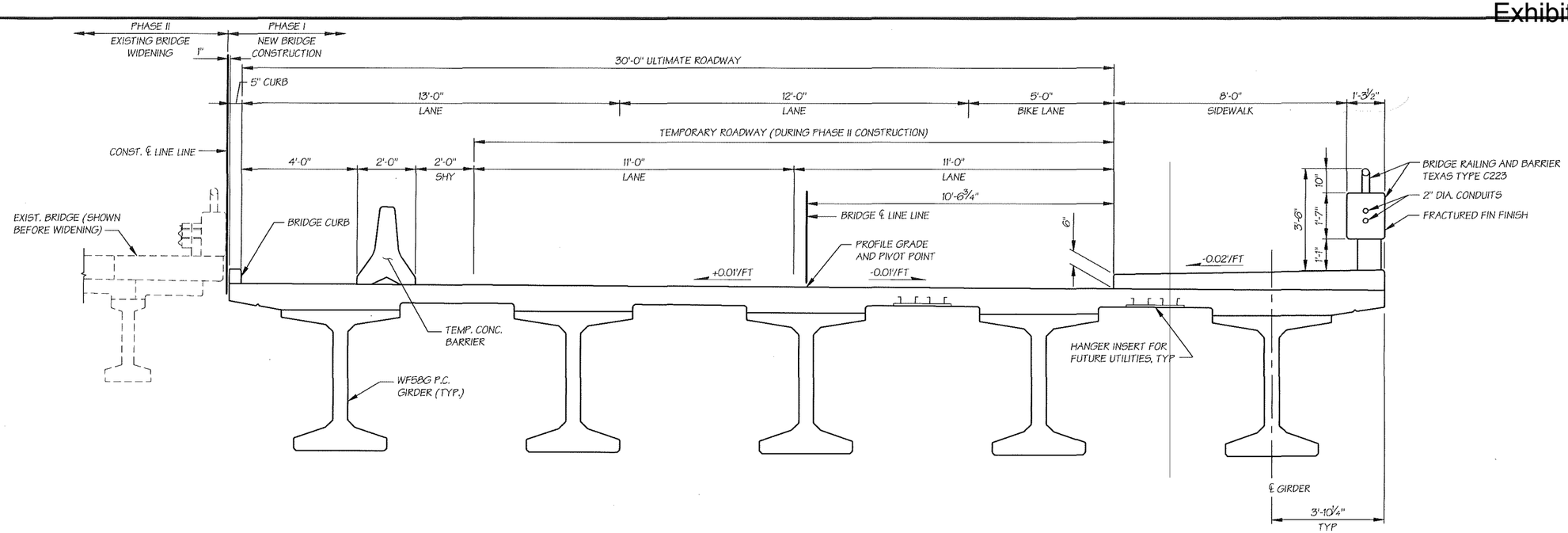
PROJECT INFORMATION

SHEET TITLE:
BRIDGE NO. 202/35S
PHASE I

PRELIMINARY PLAN

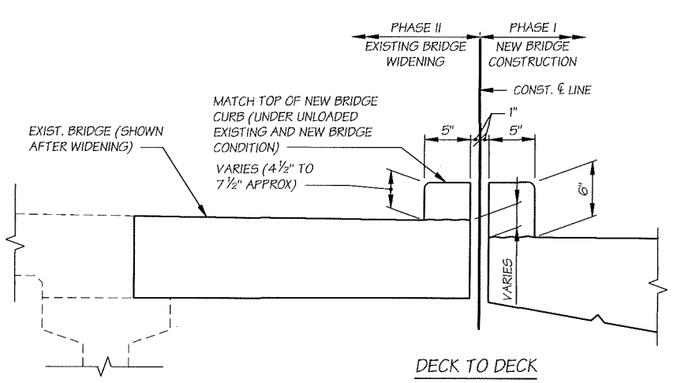
DATE: 10-21-11	CHECKED BY: NJ
DESIGNED BY: CEO	PROJECT NO.:
DRAWN BY: FDM	SCALE: NONE
SHEET	OF
DRAWING NO.: 1	

C.S. 170 ~ PROJ. NO. XXXXX ~ NW REGION ~ NE WOODINVILLE DR. TO 131ST AVE NE ~ SR202 ~ SAMMAMISH RIVER BRIDGE NO. 202/355



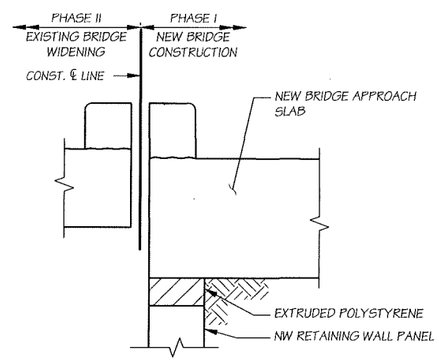
TYPICAL SECTION

- SHOWN NEAR MID SPAN



DECK TO DECK

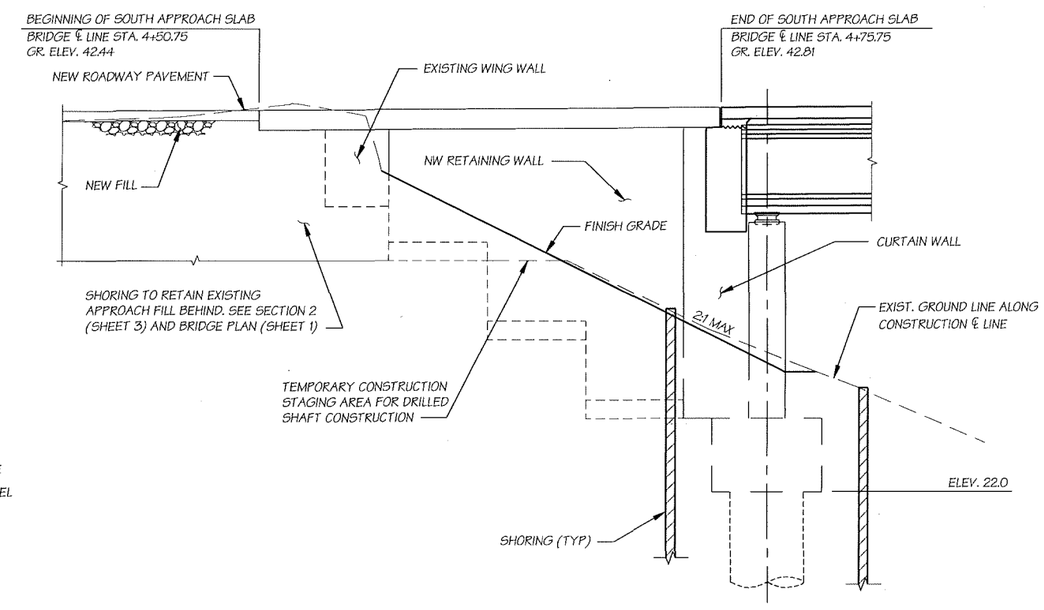
- EXISTING BRIDGE CURB TO BE CONSTRUCTED AFTER COMPLETION OF NEW BRIDGE CURB.



PIER 1 APPROACH SLAB TO DECK

- SEE "DECK TO DECK" DETAIL FOR INFORMATION NOT SHOWN.
- SHOWN AT NW RETAINING WALL, DETAIL AT NW CURTAIN WALL SIMILAR.

BRIDGE CURB DETAIL



LONGITUDINAL SECTION

- ALONG LEFT EDGE OF NEW BRIDGE.
- FOR OTHER CONSTRUCTION DETAILS AND SECTIONS, SEE SHEET 3.

SR 202 JOB NO. 7454 SHEET 2 OF 2

BRIDGE DESIGN ENGR.	
SUPERVISOR	
DESIGNED BY	
CHECKED BY	
DETAILED BY	
BRIDGE PROJECTS ENGR.	
PRELIM. PLAN BY	
ARCHITECT/SPECIALIST	

AECOM
701 5TH AVENUE, SUITE 1100
SEATTLE, WASHINGTON 98104
PHONE: (206) 674-4200
FAX: (206) 674-4242

AARON R. SILVER — STATE OF WASHINGTON — 22739 — REGISTERED PROFESSIONAL ENGINEER

NO.	REVISION	DATE	BY	CK

CITY OF WOODINVILLE
17301 133rd AVE NE
WOODINVILLE, WA 98072
PHONE: (425) 489-2700
FAX: (425)489-2705

PROJECT INFORMATION

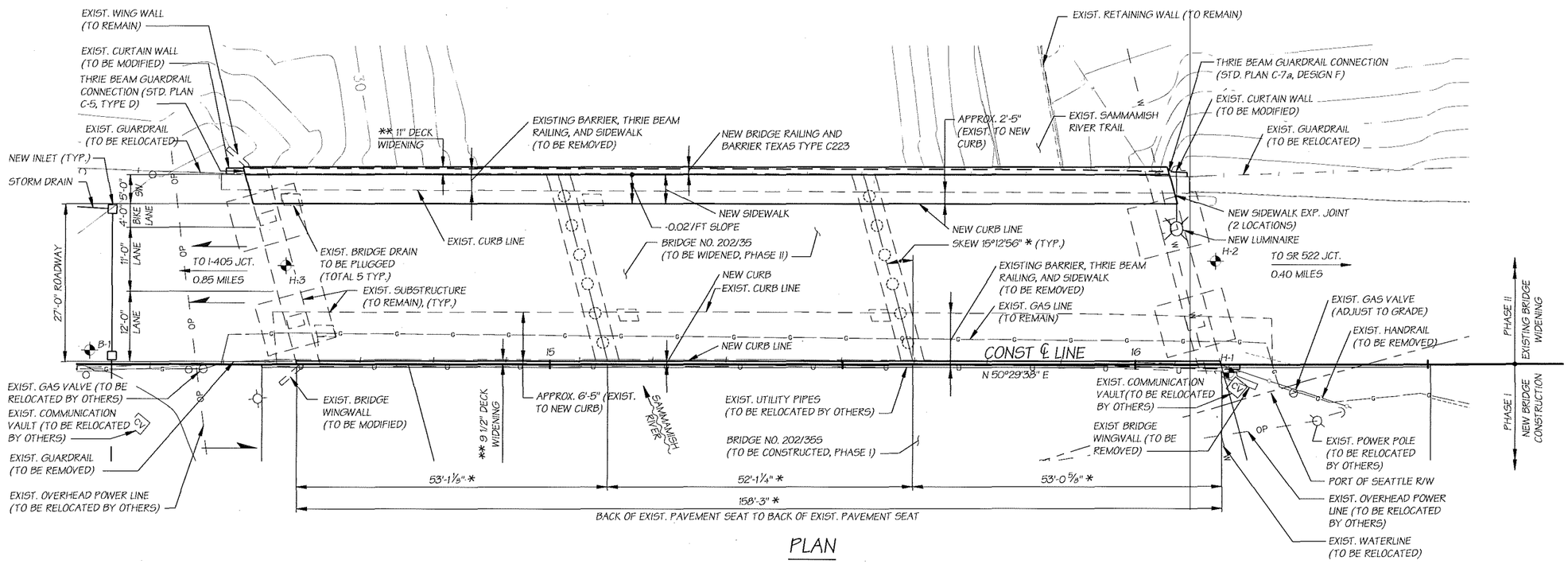
SHEET TITLE:
BRIDGE NO. 202/35S
PHASE I
PRELIMINARY PLAN

DATE: 10-21-11	CHECKED BY: NJ
DESIGNED BY: CEO	PROJECT NO.:
DRAWN BY: FDM	SCALE: NONE
SHEET	OF
DRAWING NO.: 2	

C.S. 170 ~ PROJ. NO. XXXXXX ~ NW REGION ~ NE WOODINVILLE DR. TO 131ST AVE NE ~ SR202 ~ SAMMAMISH RIVER BRIDGE NO. 202/35S

SR 202

SEC. 9, T.26N., R.5E., W.M.
CITY OF WOODINVILLE



PLAN

BEARING OF ALL EXISTING PIERS IS N 54°43'18" W *

TRAFFIC IS SHOWN FOR FINAL CONDITION AFTER PHASE I & II CONST.

CONTRACTOR SHALL MATCH EXISTING SLOPE ON THE BRIDGE AT ALL LOCATIONS.

THERE ARE NO NEW UTILITIES ON THE BRIDGE.

* DIMENSIONS SHOWN IN PLANS ARE BASED ON ORIGINAL AS-BUILTS TOGETHER WITH SURVEY DATA. CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN FIELD.

** DIMENSION VARIES ON SOUTH EDGE NEAR EAST ABUTMENT ALONG CURVED PORTION OF EXISTING DECK.

LEGEND

X-X	TEST HOLE LOCATION
CV	EXIST. COMM. VAULT
	EXIST. GAS VALVE
	EXIST. POLE ANCHOR
	EXIST. UTILITY POLE
	LUMINAIRE
W — W — W	EXIST. WATER MAIN
G — G — G	EXIST. GAS LINE
S — S — S	EXIST. SANITARY SEWER
OP — OP — OP	EXIST. OVERHEAD POWER LINE
U — U — U	EXIST. UTILITY LINE
D — D — D	EXIST. STORM DRAIN
X — X — X	EXIST. FENCE
	EXIST. GUARDRAIL
	EXIST. RETAINING WALL
	2" DIA. CONDUIT
	WETLAND LINE
	CATCH BASIN & STORM DRAIN
	EXIST. HANDRAIL

DATUM

N.A.V.D. OF 1988 (WIDENING)
U.S.G.S. (EXISTING AS-BUILT)

PLAN APPROVED BY:

BRIDGE AND STRUCTURES ENGINEER

ENGINEERING MANAGER

EXISTING SERIES 50 GIRDERS

LOADING: HS20

COAST GUARD LIASON

PERMIT TARGET DATE NOT REQUIRED

BRIDGE WITH APPROACH FILLS
EXISTING SERIES 50 GIRDERS
CAST-IN-PLACE CONCRETE STRENGTH SHALL BE 4000 PSI
DECK PROTECTIVE SYSTEM I (EPOXY COATED REBARS)

SR 202 JOB NO. 7454 SHEET 1 OF 2

BRIDGE DESIGN ENGR.	AECOM 701 5TH AVENUE, SUITE 1100 SEATTLE, WASHINGTON 98104 PHONE: (206) 674-4200 FAX: (206) 674-4242	NO.	REVISION	DATE	BY / CK
SUPERVISOR	AARON R. SILVER STATE OF WASHINGTON 22739 REGISTERED PROFESSIONAL ENGINEER				
DESIGNED BY					
CHECKED BY					
DETAILED BY					
BRIDGE PROJECTS ENGR.					
PRELIM. PLAN BY					
ARCHITECT/SPECIALIST					

CITY OF WOODINVILLE
17301 133rd AVE NE
WOODINVILLE, WA 98072
PHONE: (425) 489-2700
FAX: (425)489-2705

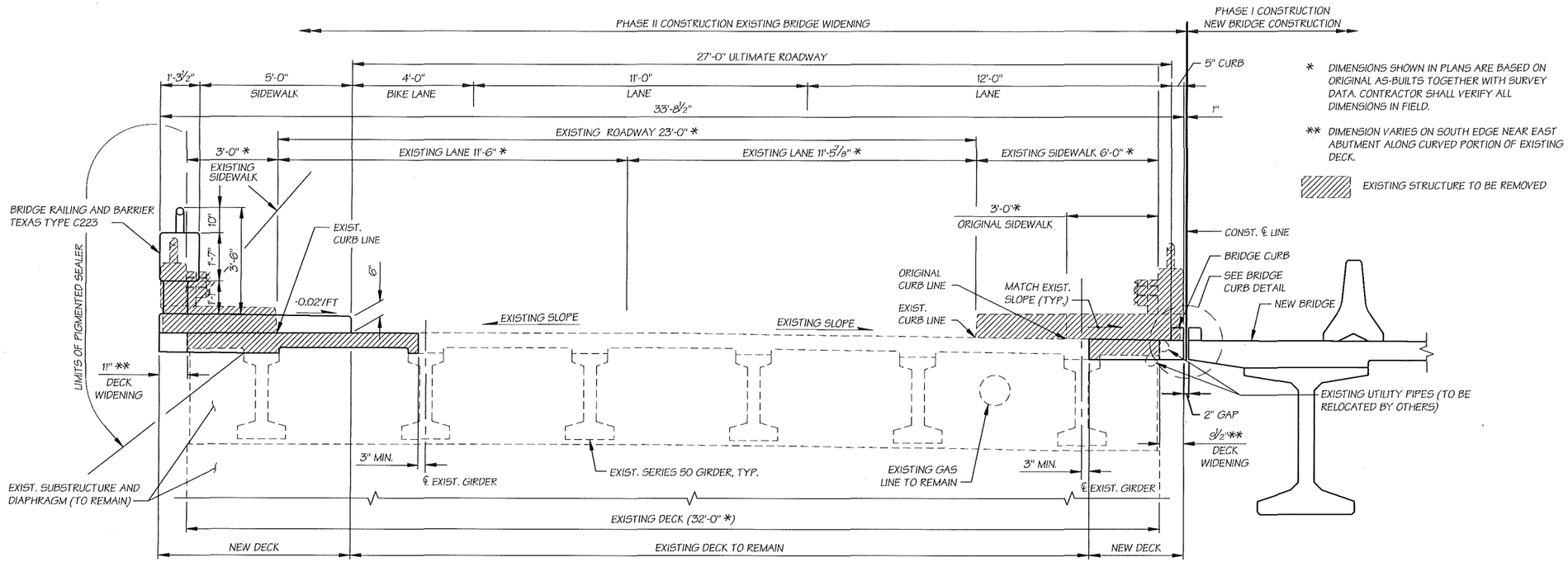
PROJECT INFORMATION

SHEET TITLE:
BRIDGE NO. 202/35
PHASE II

PRELIMINARY PLAN

DATE: 01-11-12	CHECKED BY: CEO
DESIGNED BY: NJ	PROJECT NO.: -
DRAWN BY: CRJ	SCALE: NONE
SHEET	OF
DRAWING NO.: 1	

C:5.170 ~ PROJ. NO.XXXXXX ~ NW REGION ~ NE WOODINVILLE DR. TO 131ST AVE NE ~ SR202 ~ SAMMAMISH RIVER BRIDGE NO. 202/35 WIDENING



* DIMENSIONS SHOWN IN PLANS ARE BASED ON ORIGINAL AS-BUILTS TOGETHER WITH SURVEY DATA. CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN FIELD.

** DIMENSION VARIES ON SOUTH EDGE NEAR EAST ABUTMENT ALONG CURVED PORTION OF EXISTING DECK.

EXISTING STRUCTURE TO BE REMOVED

TYPICAL SECTION

(SHOWN AT INTERMEDIATE BENTS)
DIMENSION NORMAL TO CONSTR. ℄

EXISTING BRIDGE NO. 202/35 ELEVATIONS

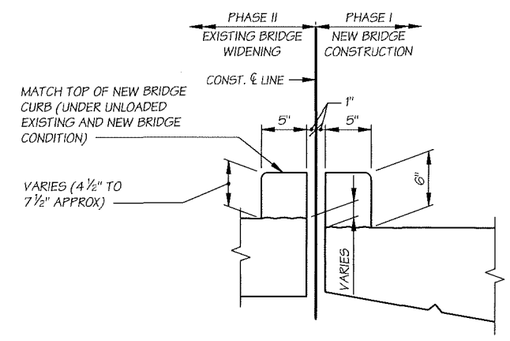
AT TOP OF EXISTING CONCRETE DECK (OFFSETS MEASURED IN FEET FROM AND PERPENDICULAR TO CONSTR. ℄)

STA. LINE ##	LT. OFFSET ##	ELEVATION ##	STA. LINE	LT. OFFSET	ELEVATION	STA. LINE #	LT. OFFSET #	ELEVATION #
STA 14+48.47	29.77	42.66	STA 14+52.11	16.89	42.86	STA 14+55.60	3.86	42.76
STA 14+59.03	29.78	42.86	STA 14+58.94	17.03	43.00	STA 14+64.15	3.87	42.96
STA 14+69.99	29.78	43.01	STA 14+69.13	16.89	43.16	STA 14+75.99	3.87	43.08
STA 14+80.75	29.76	43.20	STA 14+80.19	16.90	43.33	STA 14+88.35	3.88	43.26
STA 14+91.81	29.77	43.36	STA 14+91.38	16.93	43.50	STA 15+00.61	3.85	43.42
STA 15+02.95	29.78	43.53	STA 15+02.85	16.93	43.66	STA 15+11.96	3.89	43.56
STA 15+14.85	29.76	43.75	STA 15+14.83	16.88	43.83	STA 15+23.22	3.90	43.77
STA 15+26.57	29.71	43.95	STA 15+22.51	16.64	43.93	STA 15+34.80	3.84	43.93
STA 15+39.19	29.74	44.14	STA 15+27.13	16.94	44.00	STA 15+46.21	3.87	44.11
STA 15+51.20	29.75	44.33	STA 15+39.95	16.75	44.16	STA 15+57.94	3.79	44.29
STA 15+63.26	29.69	44.54	STA 15+51.25	16.73	44.32	STA 15+69.72	3.90	44.44
STA 15+75.55	29.73	44.72	STA 15+62.99	16.56	44.51	STA 15+79.79	3.86	44.61
STA 15+87.53	29.73	44.93	STA 15+75.06	16.46	44.68	STA 15+90.65	3.84	44.76
STA 15+99.47	29.50	45.13	STA 15+87.40	16.26	44.87	STA 16+02.19	3.55	44.92
STA 16+06.66	29.35	45.26	STA 15+99.15	15.93	45.02	STA 16+13.73	3.20	45.05

\# AT TOP OF EXISTING CONC. DECK ALONG RIGHT ORIGINAL CURB LINE.
\## AT TOP OF EXIST. CONC. DECK ALONG LEFT EXIST. CURB LINE.

NOTES:

1. STATIONS AND ELEVATIONS LISTED ABOVE ARE FROM SURVEY DATA. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD MEASURE AND VERIFY ALL DIMENSIONS & ELEVATIONS PRIOR TO CONSTRUCTION. THE WIDENED PORTION OF THE STRUCTURE SHALL MATCH THE EXISTING ROADWAY SLOPE AND ELEVATIONS.



DECK TO DECK

NOTES:

1. BRIDGE CURB ON EXISTING BRIDGE TO BE CONSTRUCTED AFTER COMPLETION OF BRIDGE CURB ON NEW BRIDGE.

BRIDGE CURB DETAIL

SR 202 JOB NO. 7454 SHEET 2 OF 2

BRIDGE DESIGN ENGR.	
SUPERVISOR	
DESIGNED BY	
CHECKED BY	
DETAILED BY	
BRIDGE PROJECTS ENGR.	
PRELIM. PLAN BY	
ARCHITECT/SPECIALIST	

AECOM
701 5TH AVENUE, SUITE 1100
SEATTLE, WASHINGTON 98104
PHONE: (206) 674-4200
FAX: (206) 674-4242

AARON R. SILVER — STATE OF WASHINGTON — 22739 — REGISTERED PROFESSIONAL ENGINEER

NO.	REVISION	DATE	BY	CK

CITY OF WOODINVILLE
17301 133rd AVE NE
WOODINVILLE, WA 98072
PHONE: (425) 489-2700
FAX: (425)489-2705

PROJECT INFORMATION

SHEET TITLE:
BRIDGE NO. 202/35
PHASE II

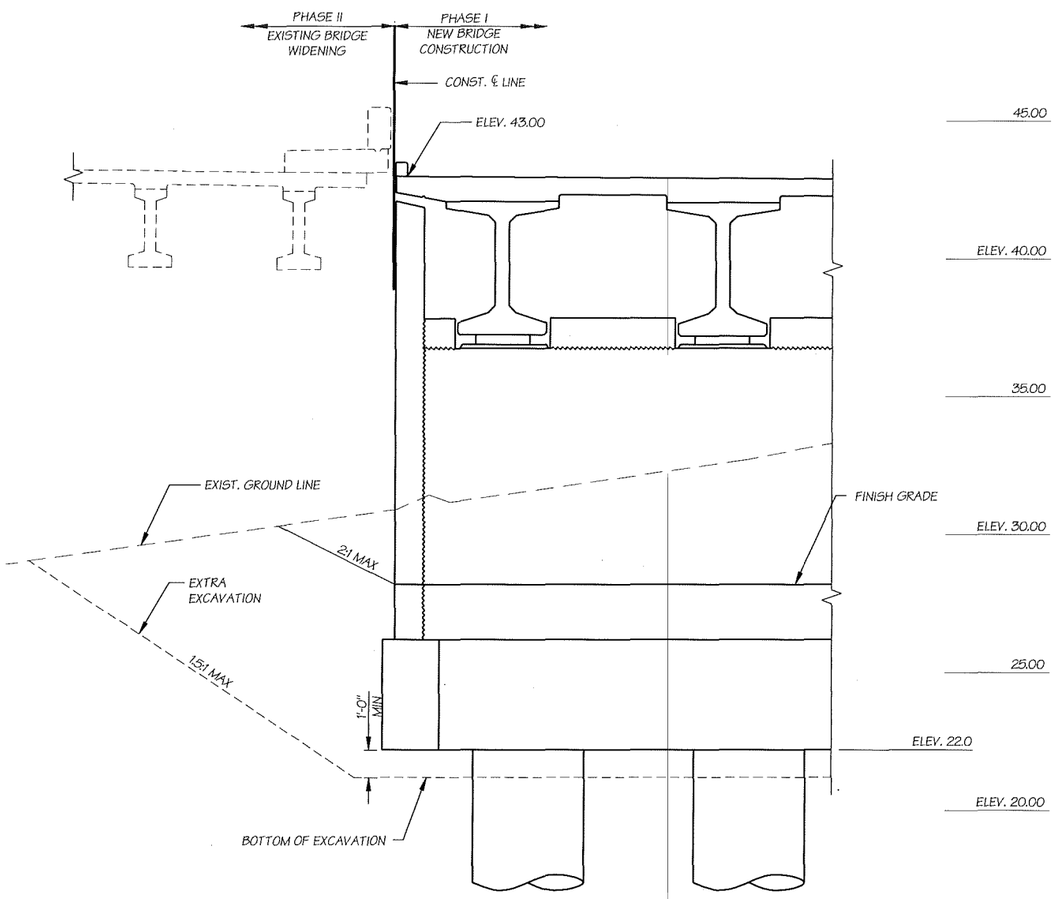
PRELIMINARY PLAN

DATE: 01-11-12	CHECKED BY: CEO
DESIGNED BY: NJ	PROJECT NO.: -
DRAWN BY: CRJ	SCALE: NONE
SHEET	OF
DRAWING NO.: 2	

C:\S.170 ~ PROJ. NO. XXXXXX ~ NW REGION ~ NE WOODINVILLE DR. TO 131ST AVE NE ~ SR202 ~ SAMMAMISH RIVER BRIDGE NO. 202/35 WIDENING

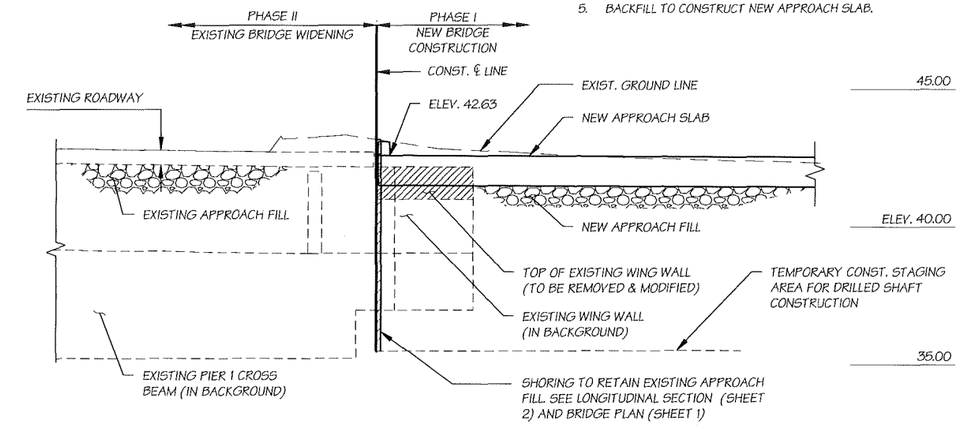
CONSTRUCTION NEAR EXISTING BRIDGE ABUTMENT ON WEST:

1. SHORING OR EXTRA EXCAVATION NEAR EXISTING PIER 1 FOR CONSTRUCTION OF NEW PIER 1. EXISTING FILL TO BE RETAINED.
2. BUILD NEW PIER 1 FOUNDATION, ABUTMENT WALL & CURTAIN WALL.
3. MODIFY TOP OF EXISTING WINGWALL AS SHOWN IN SECTION 2.
4. BUILD NEW RETAINING WALL FROM EXISTING WING WALL UP TO NEW CURTAIN WALL. REFER TO SECTION 3 AND LONGITUDINAL SECTION (SHEET 2)
5. BACKFILL TO CONSTRUCT NEW APPROACH SLAB.



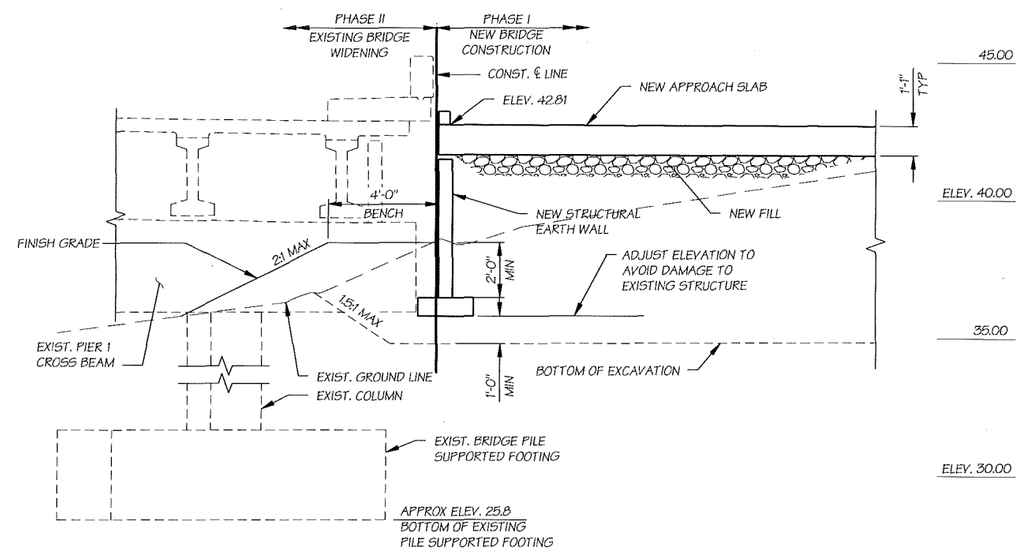
SECTION AT END OF SOUTH APPROACH SLAB (BRIDGE ℄ LINE STA 4+75.75) 1

- LOOKING FORWARD ON STATIONING
- NORMAL TO CONST ℄ LINE



SECTION AT BEGINNING OF SOUTH APPROACH SLAB (BRIDGE ℄ LINE STA 4+50.75) 2

- LOOKING FORWARD ON STATIONING
- NORMAL TO CONST ℄ LINE



SECTION NEAR EXIST. WING WALL (BRIDGE ℄ LINE STA 4+58.00) 3

- LOOKING FORWARD ON STATIONING
- NORMAL TO CONST ℄ LINE
- EXISTING PILES NOT SHOWN

SR 202 JOB NO. 74454 SHEET 2 OF 2

BRIDGE DESIGN ENGR.	
SUPERVISOR	
DESIGNED BY	
CHECKED BY	
DETAILED BY	
BRIDGE PROJECTS ENGR.	
PRELIM. PLAN BY	
ARCHITECT/SPECIALIST	

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701 5TH AVENUE, SUITE 1100
SEATTLE, WASHINGTON 98104
PHONE: (206) 674-4200
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AARON R. SILVER — STATE OF WASHINGTON — 22739 — REGISTERED PROFESSIONAL ENGINEER

NO.	REVISION	DATE	BY	CK

CITY OF WOODINVILLE
17301 133rd AVE NE
WOODINVILLE, WA 98072
PHONE: (425) 489-2700
FAX: (425)489-2705

PROJECT INFORMATION

SHEET TITLE:
BRIDGE NO. 202/35S
PHASE I

PRELIMINARY PLAN

DATE: 10-21-11	CHECKED BY: NJ
DESIGNED BY: CEO	PROJECT NO.:
DRAWN BY: FDM	SCALE: NONE
SHEET	OF
DRAWING NO.: 3	

C:\S.170 ~ PROJ. NO. XXXXXX ~ NW REGION ~ NE WOODINVILLE DR. TO 131ST AVE NE ~ SR202 ~ SAMMAMISH RIVER BRIDGE NO. 202/35S