

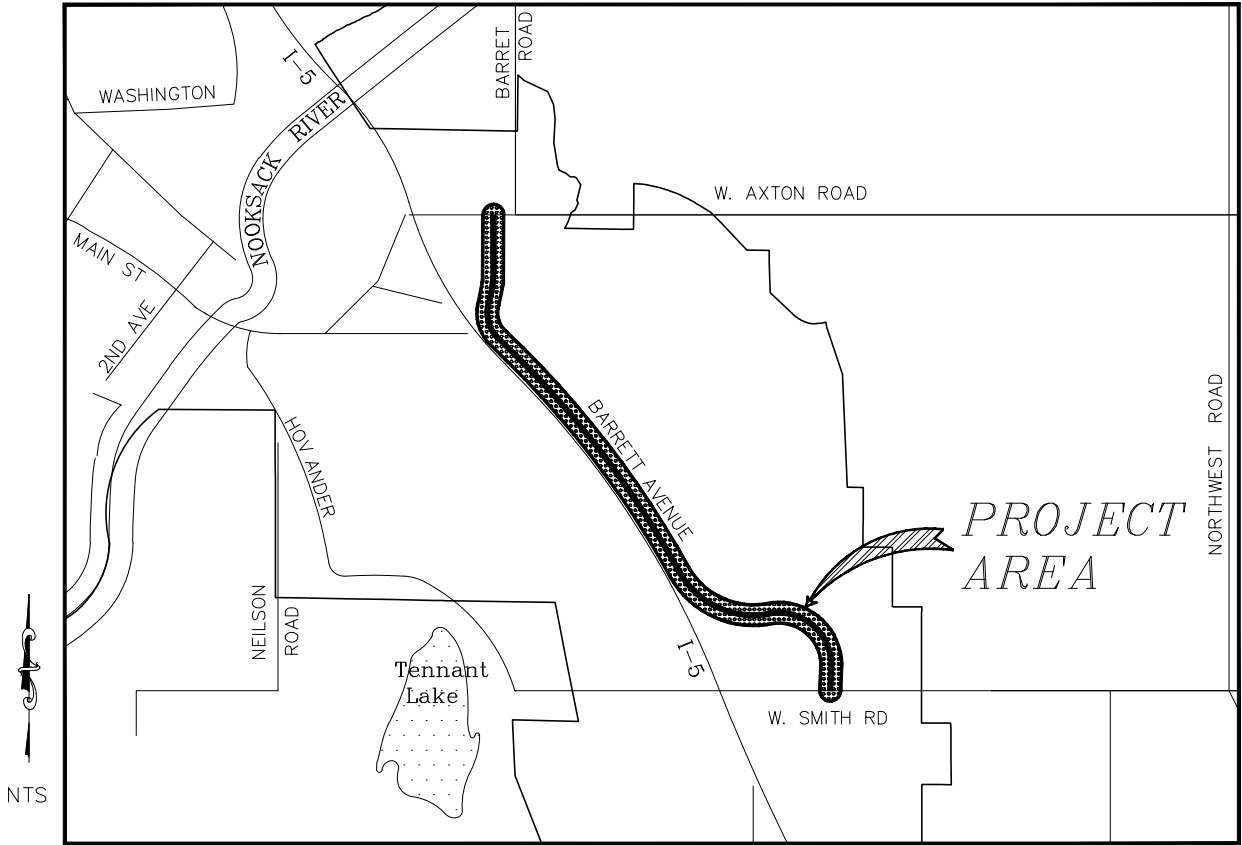
BARRETT AVENUE OVERLAY

MAIN STREET TO WEST SMITH ROAD

CITY OF FERNDALE - PROJECT NO. ST 2014-01
TIB PROJECT NO. 3-W-985(002)-1

VICINITY MAP

PROJECT LOCATED IN SECTION 28/29, TOWNSHIP 39 N, RANGE 2 E, W.M.



SHEET SERIES INDEX

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NO.	DATE	DESCRIPTION	BY

CITY OF FERNDALE
2095 MAIN STREET
FERNDALE, WA 98248

BARRETT AVENUE OVERLAY
MAIN STREET TO WEST SMITH ROAD
COVER, VICINITY MAP, AND SHEET INDEX

DWG	DATE
JOB#	7/16/2014
13053	
SCALE	SHEET
H: N/A V: N/A	1 of 15

LEGEND

EXISTING

--- TB --- TB ---	= EXISTING TOP OF BANK
--- BB --- BB ---	= EXISTING BOTTOM OF BANK
--- 95 ---	= EXISTING DITCH CL
--- 95 ---	= EXISTING GRADE BREAK
--- 95 ---	= EXISTING MAJOR CONTOUR
--- 95 ---	= EXISTING MINOR CONTOUR
--- X --- X ---	= EXISTING GUARDRAIL
--- X --- X ---	= EXISTING FENCE
--- X --- X ---	= EXISTING GRAVEL
--- X --- X ---	= EXISTING WALL
--- X --- X ---	= EXISTING BUILDING
--- X --- X ---	= EXISTING PROPERTY BOUNDARY
--- X --- X ---	= EXISTING RIGHT OF WAY
--- X --- X ---	= EXISTING RIGHT OF WAY CL
--- X --- X ---	= EXISTING EASEMENT
--- X --- X ---	= EXISTING WETLANDS BOUNDARY
--- X --- X ---	= EXISTING ROAD CL
--- X --- X ---	= EXISTING TRAFFIC STRIPING
--- X --- X ---	= EXISTING EDGE OF PAVEMENT
--- X --- X ---	= EXISTING FLOWLINE
--- X --- X ---	= EXISTING TOP BACK OF CURB
--- X --- X ---	= EXISTING SIDEWALK
--- UGP --- UGP ---	= EXISTING POWER BURIED
--- UGC --- UGC ---	= EXISTING COMMUNICATIONS BURIED
--- OHP --- OHP ---	= EXISTING OVERHEAD POWER
--- OHC --- OHC ---	= EXISTING OVERHEAD COMMUNICATIONS
--- FO --- FO ---	= EXISTING FIBER OPTICS BURIED
--- T --- T ---	= EXISTING TELEPHONE BURIED
--- TV --- TV ---	= EXISTING TV BURIED
--- C --- C ---	= EXISTING CONDUIT
--- G --- G ---	= EXISTING GAS MAIN
--- OHW --- OHW ---	= EXISTING ORDINARY HIGH WATER
--- W --- W ---	= EXISTING WATER MAIN
--- FM --- FM ---	= EXISTING SANITARY SEWER FORCE MAIN
--- SS --- SS ---	= EXISTING SANITARY SEWER
--- SD --- SD ---	= EXISTING STORM DRAIN
--- UD --- UD ---	= EXISTING UNDERDRAIN
--- UD --- UD ---	= EXISTING CULVERT
--- UD --- UD ---	= EXISTING TREE LINE
--- UD --- UD ---	= EXISTING CONCRETE
--- UD --- UD ---	= EXISTING RR TRACKS
--- UD --- UD ---	= EXISTING SIGNAL POLE AND ARM W/ LUMINAIRE
--- UD --- UD ---	= EXISTING STREET LIGHT ASSEMBLY
--- UD --- UD ---	= EXISTING GUY WIRE
--- UD --- UD ---	= EXISTING GAS METER
--- UD --- UD ---	= EXISTING TRANSFORMER PAD
--- UD --- UD ---	= EXISTING POWER VAULT
--- UD --- UD ---	= EXISTING JBOX
--- UD --- UD ---	= EXISTING SOIL BORING LOCATION
--- UD --- UD ---	= EXISTING MAIL BOX
--- UD --- UD ---	= EXISTING WATER SPIGOT
--- UD --- UD ---	= EXISTING WATER METER
--- UD --- UD ---	= EXISTING WATER VALVE
--- UD --- UD ---	= EXISTING FIRE HYDRANT
--- UD --- UD ---	= EXISTING TRAFFIC SIGNAL VAULT
--- UD --- UD ---	= EXISTING SEWER MANHOLE
--- UD --- UD ---	= EXISTING STORM DRAIN CATCH BASIN TYPE I
--- UD --- UD ---	= EXISTING STORM DRAIN CATCH BASIN TYPE II
--- UD --- UD ---	= EXISTING UTILITY POLE
--- UD --- UD ---	= EXISTING MONITORING WELL
--- UD --- UD ---	= EXISTING STORM CLEANOUT
--- UD --- UD ---	= EXISTING SEWER CLEANOUT
--- UD --- UD ---	= EXISTING SIGN
--- UD --- UD ---	= EXISTING TELEPHONE PEDESTAL
--- UD --- UD ---	= EXISTING TREE
--- UD --- UD ---	= EXISTING VEGETATION

PROPOSED

--- TB --- TB ---	= PROPOSED TOP OF BANK
--- BB --- BB ---	= PROPOSED TOE OF BANK
--- SD ---	= PROPOSED SAWCUT
--- 95 ---	= PROPOSED FIELD STORM DRAIN
--- 95 ---	= PROPOSED MAJOR CONTOUR
--- 95 ---	= PROPOSED MINOR CONTOUR
--- 95 ---	= PROPOSED PAVEMENT VALLEY
--- 95 ---	= PROPOSED DITCH CL
--- X --- X ---	= PROPOSED FENCE
--- FO --- FO ---	= PROPOSED FIBER OPTICS
--- X --- X ---	= PROPOSED GUARDRAIL
--- X --- X ---	= PROPOSED GRAVEL
--- X --- X ---	= PROPOSED PATH
--- X --- X ---	= PROPOSED AUTOTURN
--- X --- X ---	= PROPOSED ROAD CL
--- X --- X ---	= PROPOSED ROAD EDGE OF PAVEMENT
--- X --- X ---	= PROPOSED ROCK WALL
--- X --- X ---	= PROPOSED RIGHT OF WAY
--- SD ---	= PROPOSED TREE LINE
--- TS --- TS ---	= PROPOSED STORM DRAIN
--- SS ---	= PROPOSED TRAFFIC SIGNAL CONDUCTOR
--- SS ---	= PROPOSED SANITARY SEWER
--- SS ---	= PROPOSED TRAFFIC STRIPE
--- SS ---	= PROPOSED PARKING STRIPE
--- SS ---	= PROPOSED CURB AND GUTTER
--- PR ---	= PROPOSED POWER LINE
--- W ---	= PROPOSED WATER MAIN
--- W ---	= PROPOSED SIDEWALK
--- X --- X ---	= PROPOSED SILT FENCE
--- X --- X ---	= PROPOSED CONSTRUCTION EASEMENT
--- X --- X ---	= PROPOSED GRADE BREAK
--- FM --- FM ---	= PROPOSED SANITARY SEWER FORCE MAIN
--- UD ---	= PROPOSED UNDERDRAIN
--- C ---	= PROPOSED CONDUIT
--- C ---	= PROPOSED BUILDING
--- C ---	= PROPOSED GRAVEL
--- C ---	= PROPOSED CONC. SIDEWALK/DRIVEWAY
--- C ---	= PROPOSED INFILTRATION TRENCH
--- C ---	= PROPOSED INFILTRATION FILTER MEDIA
--- C ---	= PROPOSED PLANING
--- C ---	= PROPOSED DEMOLITION AREA
--- C ---	= PROPOSED ASPHALT
--- C ---	= PROPOSED RIGHT OF WAY TAKE
--- C ---	= PROPOSED STORM DRAIN INLET
--- C ---	= PROPOSED COUPLER
--- C ---	= PROPOSED WATER METER
--- C ---	= PROPOSED WATER VALVE
--- C ---	= PROPOSED HYDRANT
--- C ---	= PROPOSED SANITARY SEWER MANHOLE
--- C ---	= PROPOSED STORM DRAIN CATCH BASIN TYPE I
--- C ---	= PROPOSED STORM DRAIN CATCH BASIN TYPE II
--- C ---	= PROPOSED UTILITY POLE
--- C ---	= PROPOSED MONITORING WELL
--- C ---	= PROP STORM CLEANOUT
--- C ---	= PROPOSED SANITARY SEWER CLEAN OUT
--- C ---	= PROPOSED SIGN
--- C ---	= FLOW ARROW
--- C ---	= PROPOSED TREE

ABBREVIATIONS

AC	= ASBESTOS CEMENT	EVLS	= END VERTICAL CURVE STATION	MAX	= MAXIMUM	R&C	= RING AND COVER
AD	= ALGEBRAIC DIFFERENCE	EX, EXIST	= EXISTING	MPOC	= MID-POINT ON CURVE	SSMH	= SANITARY SEWER MANHOLE
ASPH	= ASPHALT	IR	= EXISTING IRRIGATION	MIN	= MINIMUM	SCH	= SCHEDULE
BLDG	= BUILDING	SN	= EXISTING SIGN	MOD	= MODIFIED	S	= SOUTH
BVCE	= BEGIN VERTICAL CURVE ELEVATION	FT	= FEET	MW	= MONITORING WELL	SD	= STORM DRAIN
BVCS	= BEGIN VERTICAL CURVE STATION	FL	= FLOW LINE	MON	= MONUMENT	STD	= STANDARD
CATV	= CABLE TELEVISION	FF	= FINISHED FLOOR	MTR	= METER	SP	= STANDARD PLAN
CDF	= CONTROLLED DENSITY FILL	FG	= FINISHED GRADE	N	= NORTH	STA	= STATION
CL	= CLASS, CENTERLINE	FT/FT	= FEET PER FOOT	OC	= ON CENTER	SDCB	= STORM DRAIN CATCH BASIN
CMP	= CORRUGATED METAL PIPE	F&C	= FRAME AND COVER	PVMNT	= PAVEMENT	SDMH	= STORM DRAIN MANHOLE
CMU	= CONCRETE MASONRY UNIT	F&G	= FRAME AND GRATE	PED	= PEDESTAL	TEL	= TELEPHONE
COMP	= COMPACTED	R&C	= RING AND COVER	PCC	= POINT OF COMPOUND CURVATURE	TL	= TRAFFIC LOOP
CONC	= CONCRETE	GALV	= GALVANIZED	PC	= POINT OF CURVATURE	TYP	= TYPICAL
CONT	= CONTOUR	GRVL	= GRAVEL	PRC	= POINT OF REVERSE CURVE	UP	= UTILITY POLE
C & G	= CURB & GUTTER	GV	= GATE VALVE	PT	= POINT OF TANGENCY	UTIL	= UTILITY
CPSSP	= CORRUGATED POLYETHYLENE STORM SEWER PIPE	HDPE	= HIGH DENSITY POLYETHYLENE	POC	= POINT ON CURVE	VC	= VERTICAL CURVE
CULV	= CULVERT	HMA	= HOT MIX ASPHALT	PVC	= POLYVINYL CHLORIDE	VLT	= VAULT
Ø	= DIAMETER	HP	= HIGH POINT	PCC	= PORTLAND CEMENT CONCRETE	VPC	= VERTICAL POINT OF CURVATURE
DI	= DUCTILE IRON	HYD	= HYDRANT	POSS	= POSSIBLE	VPI	= VERTICAL POINT OF INTERSECTION
D/W	= DRIVEWAY	IW	= INJECTION WELL	PROP	= PROPOSED	VPT	= VERTICAL POINT OF TANGENCY
E	= EAST	IE, INV	= INVERT ELEVATION	PVI	= POINT OF VERTICAL INTERSECTION	WSDOT	= WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
EOP, EP	= EDGE OF PAVEMENT	L	= LENGTH	PWR	= POWER	W	= WEST
EQUIV	= EQUIVALENT	LF	= LINEAR FEET	R	= RADIUS	WM	= WATER METER
EVCE	= END VERTICAL CURVE ELEVATION	LP	= LOW POINT	RET	= RETAINING	XEOA	= EXISTING EDGE OF ASPHALT
		LOC	= LOCATION	ROW	= RIGHT OF WAY		



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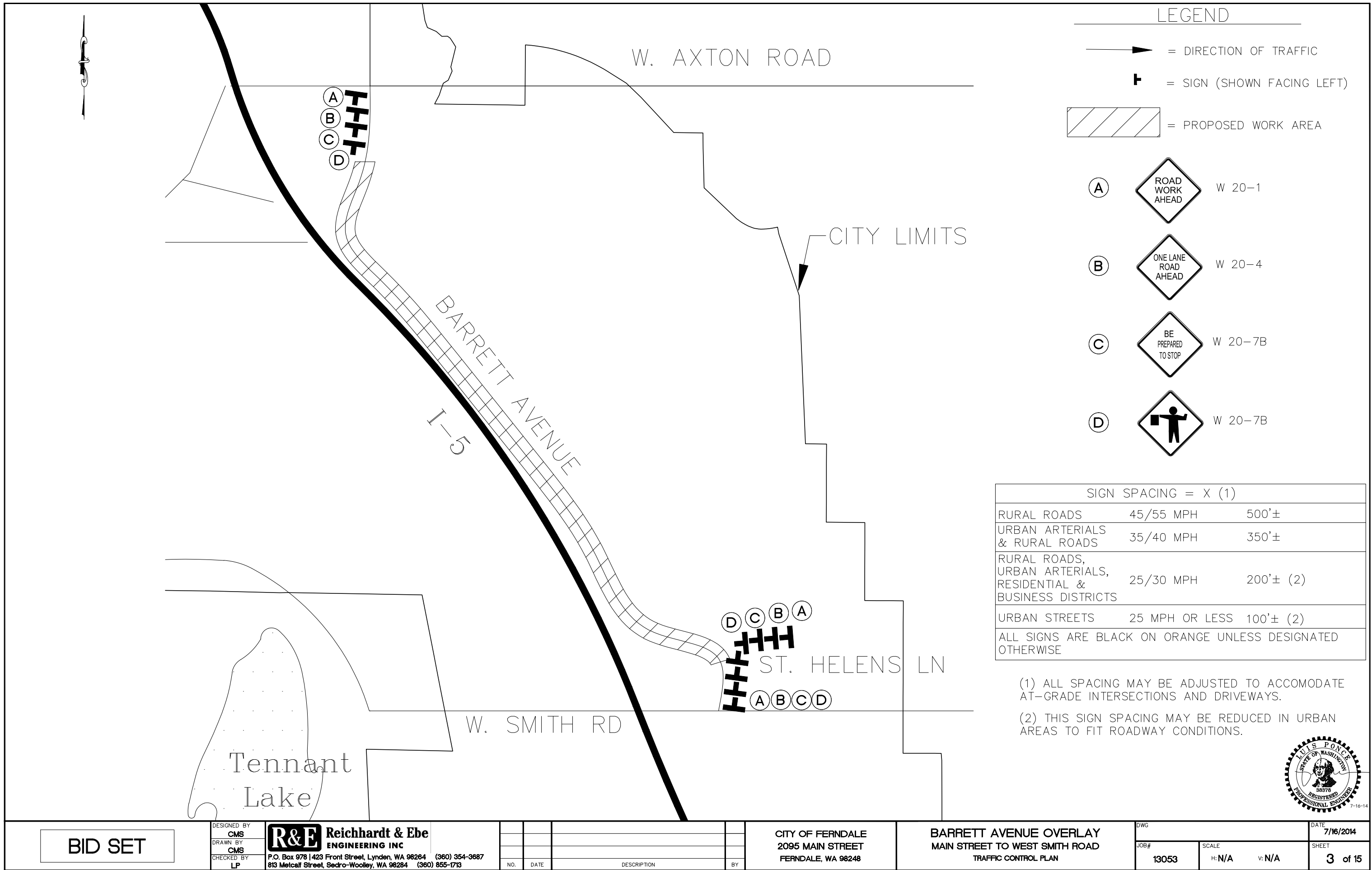
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NO.	DATE	DESCRIPTION	BY	

CITY OF FERNDALE
2095 MAIN STREET
FERNDALE, WA 98248

BARRETT AVENUE OVERLAY
MAIN STREET TO WEST SMITH ROAD
LEGEND AND ABBREVIATIONS

DWG	DATE	7/16/2014
JOB#	SCALE	SHEET
13053	H: T=20' V: N/A	2 of 15



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NO.	DATE	DESCRIPTION	BY

CITY OF FERNDALE
2095 MAIN STREET
FERNDALE, WA 98248

BARRETT AVENUE OVERLAY
MAIN STREET TO WEST SMITH ROAD
TRAFFIC CONTROL PLAN

DWG

JOB#

13053

SCALE

H: N/A

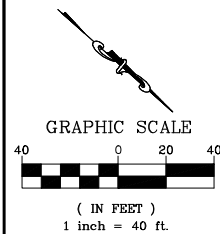
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DATE


7/16/2014

SHEET




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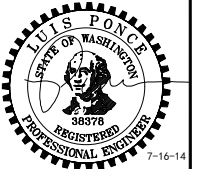
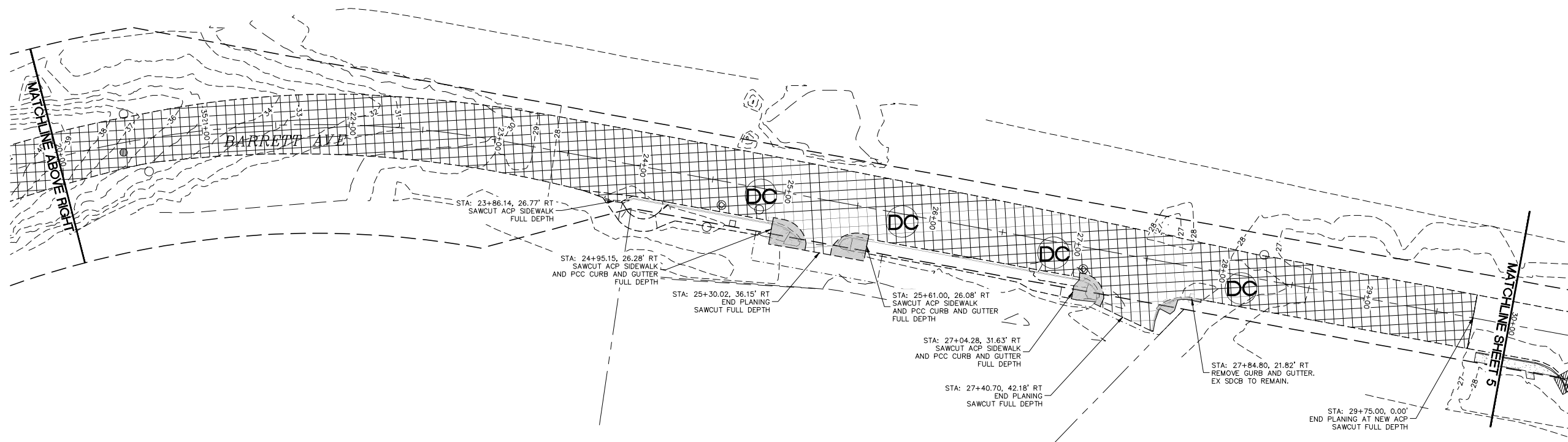
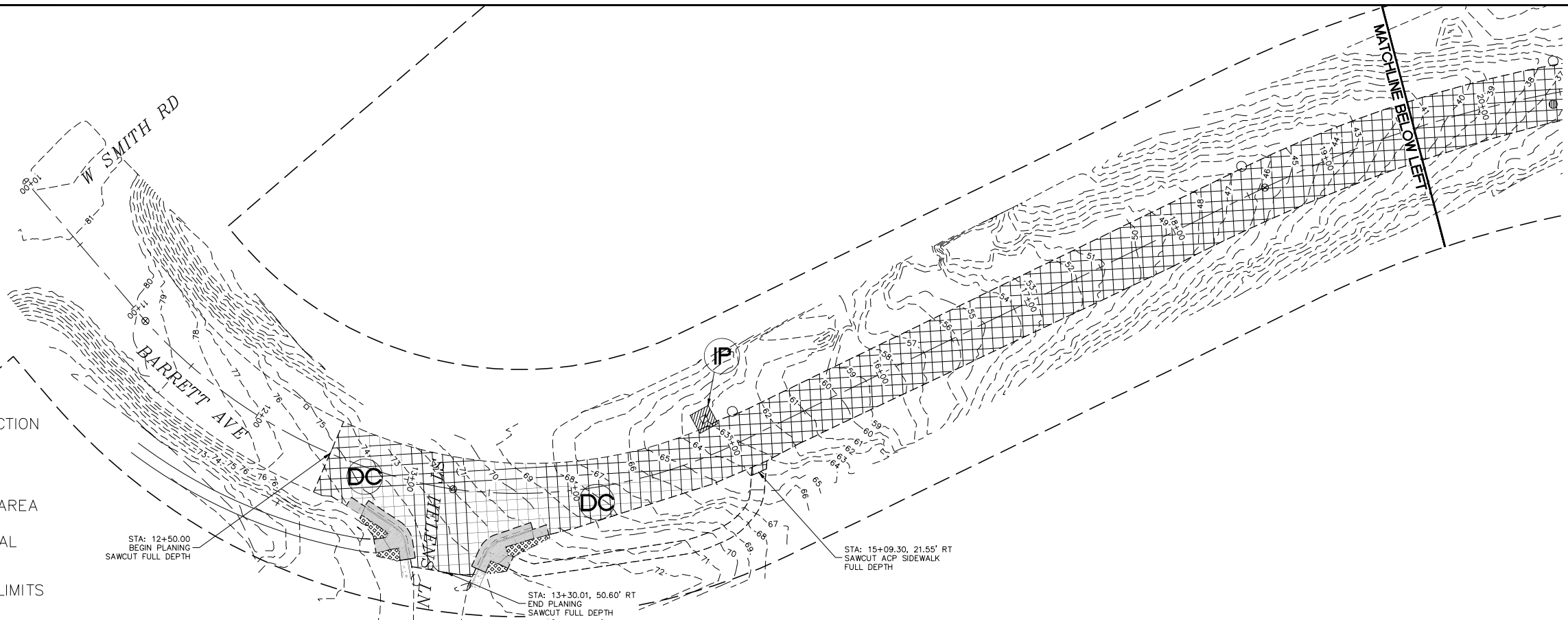


TESC PLAN LEGEND

- DC** BMP C140 DUST CONTROL
- IP**  BMP C220 STORM DRAIN INLET PROTECTION BELOW INLET GRATE DEVICE

DEMOLITION PLAN LEGEND

-  =CLEARING AND GRUBBING AREA
-  =SIDEWALK, ASPHALT, AND CURB AND GUTTER REMOVAL
-  =ROADWAY PLANING
- =CLEARING AND GRUBBING LIMITS
- - - - - =SAWCUT



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NO.	DATE	DESCRIPTION	BY

CITY OF FERNDAL
2095 MAIN STREET
FERNDAL, WA 98248

BARRETT AVENUE OVERLAY
MAIN STREET TO WEST SMITH ROAD
EXISTING CONDITIONS, TESC, AND DEMOLITION PLANS
STA 10+00 TO 30+00

DWG

JOB#

13053

SCALE

H: 1"=40'

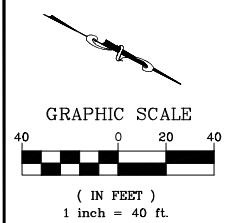
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DATE

7/16/2014

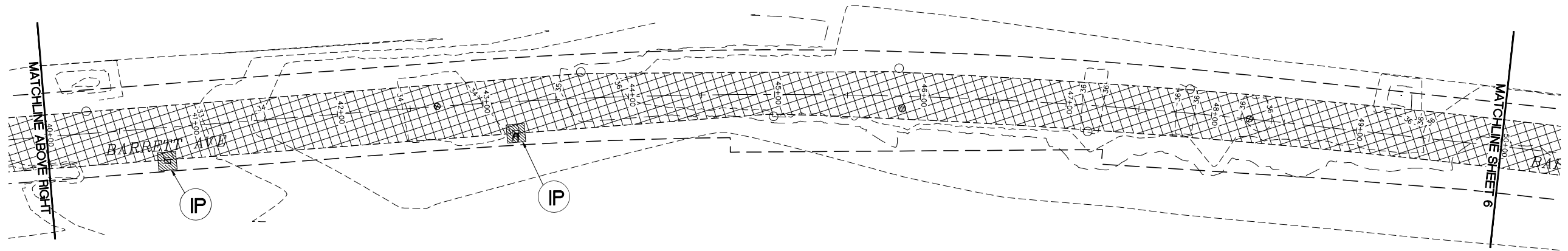
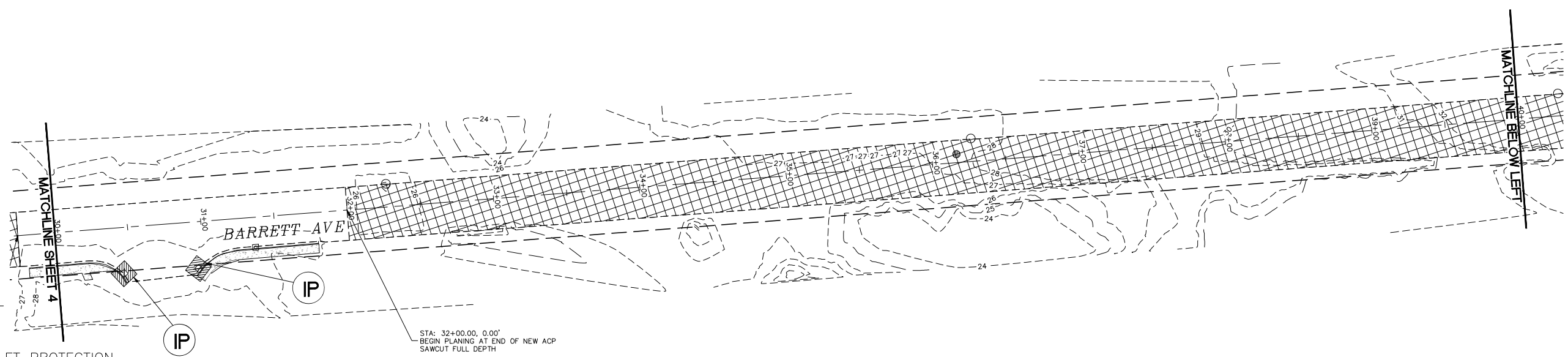
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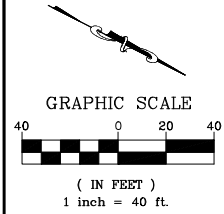


- TESC PLAN LEGEND**
- DC BMP C140 DUST CONTROL
 - IP BMP C220 STORM DRAIN INLET PROTECTION BELOW INLET GRATE DEVICE


- DEMOLITION PLAN LEGEND**
- [Cross-hatch pattern] =CLEARING AND GRUBBING AREA
 - [Solid gray] =SIDEWALK, ASPHALT, AND CURB AND GUTTER REMOVAL
 - [Diagonal lines] =ROADWAY PLANING
 - [Dashed line] =CLEARING AND GRUBBING LIMITS
 - [Long dashed line] =SAWCUT






BID SET		DESIGNED BY KJK/CMS DRAWN BY KJK/CMS CHECKED BY LP	R&E Reichhardt & Ebe ENGINEERING INC P.O. Box 978 423 Front Street, Lynden, WA 98264 (360) 354-3687 813 Metcalf Street, Sedro-Woolley, WA 98284 (360) 855-1713	NO.	DATE	DESCRIPTION	BY	CITY OF FERNDALE 2095 MAIN STREET FERNDALE, WA 98248	BARRETT AVENUE OVERLAY MAIN STREET TO WEST SMITH ROAD EXISTING CONDITIONS, TESC, AND DEMOLITION PLANS STA 30+00 TO 50+00	DWG		DATE 7/16/2014
										JOB# 13053	SCALE H: T=40' V: N/A	SHEET 5 of 15

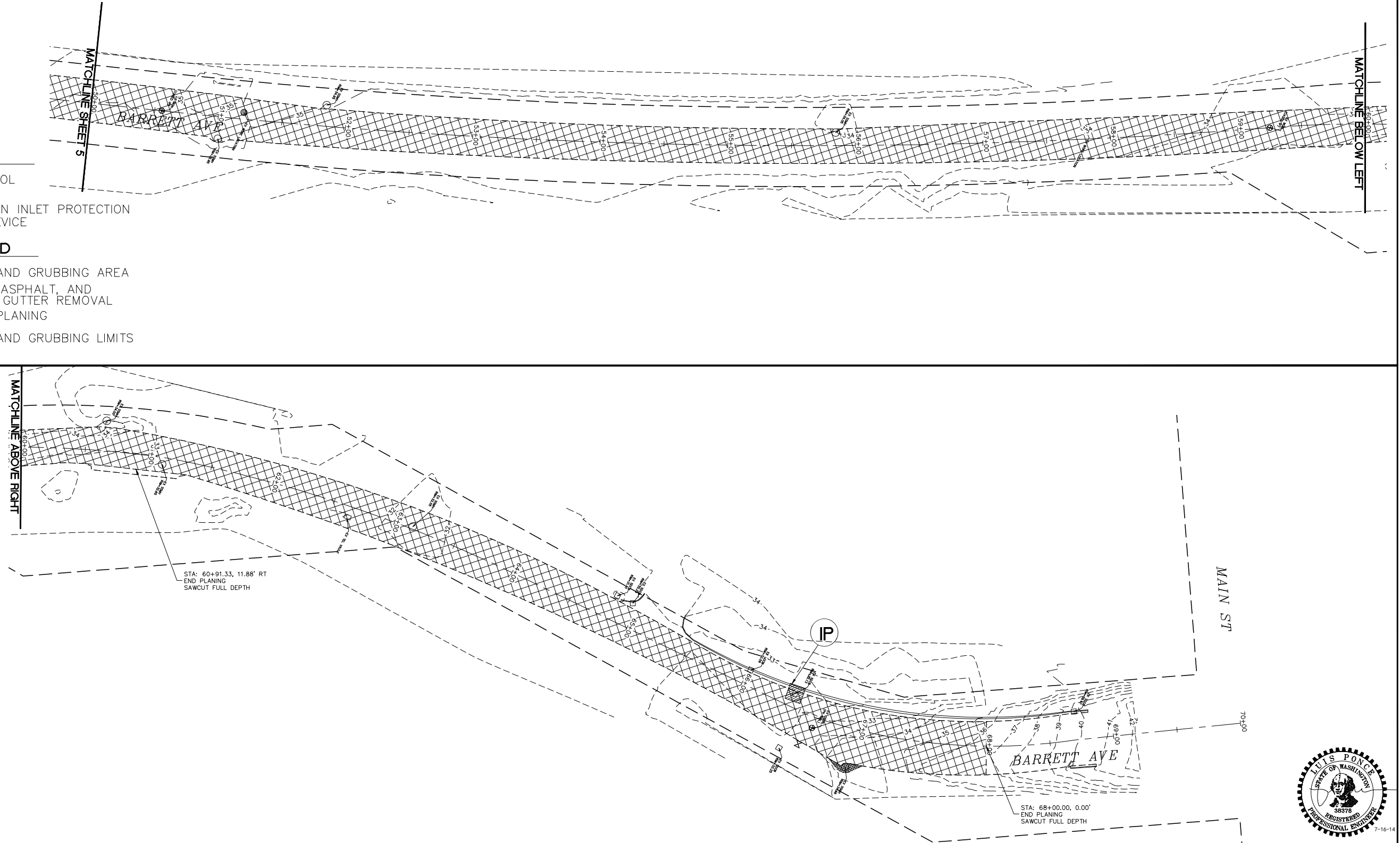


TESC PLAN LEGEND

- DC** BMP C140 DUST CONTROL
- IP**  BMP C220 STORM DRAIN INLET PROTECTION BELOW INLET GRATE DEVICE

DEMOLITION PLAN LEGEND

-  =CLEARING AND GRUBBING AREA
-  =SIDEWALK, ASPHALT, AND CURB AND GUTTER REMOVAL
-  =ROADWAY PLANING
- =CLEARING AND GRUBBING LIMITS
- =SAWCUT



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NO.	DATE	DESCRIPTION	BY

CITY OF FERNDALE
2095 MAIN STREET
FERNDALE, WA 98248

BARRETT AVENUE OVERLAY
MAIN STREET TO WEST SMITH ROAD
EXISTING CONDITIONS, TESC, AND DEMOLITION PLANS
STA 50+00 TO 70+00

DWG

JOB#

13053

SCALE

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V: N/A

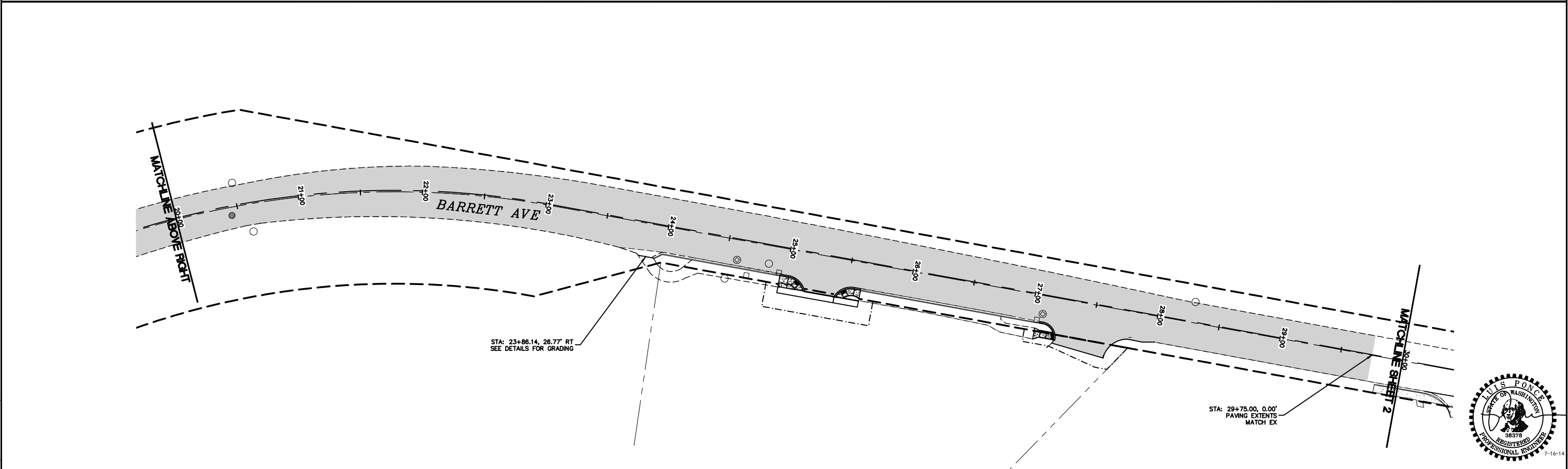
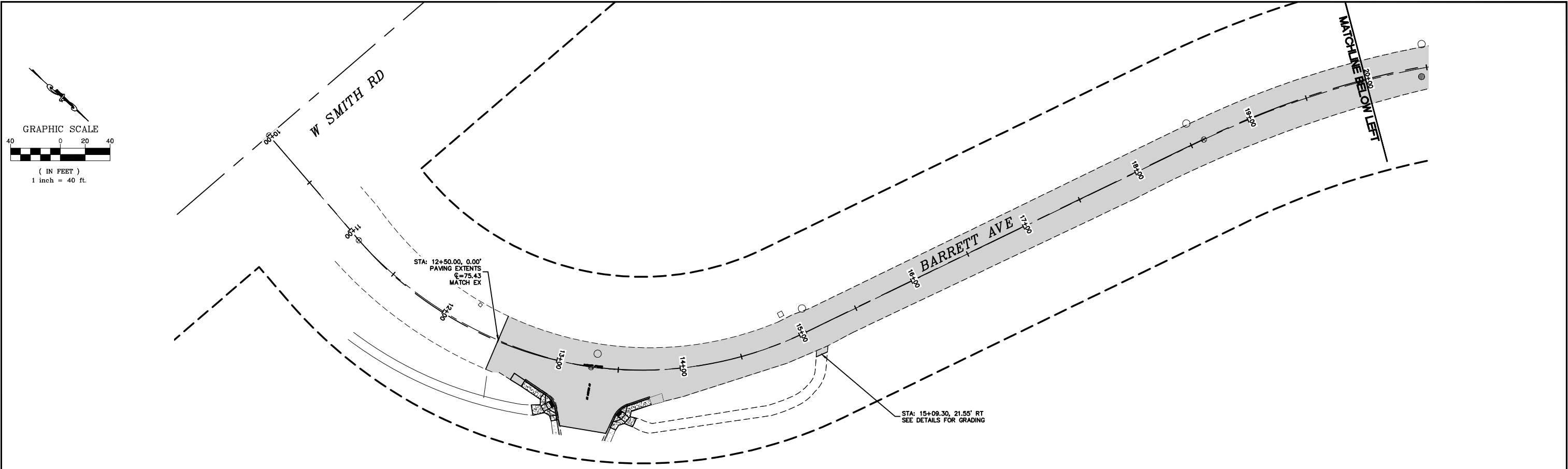
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SHEET

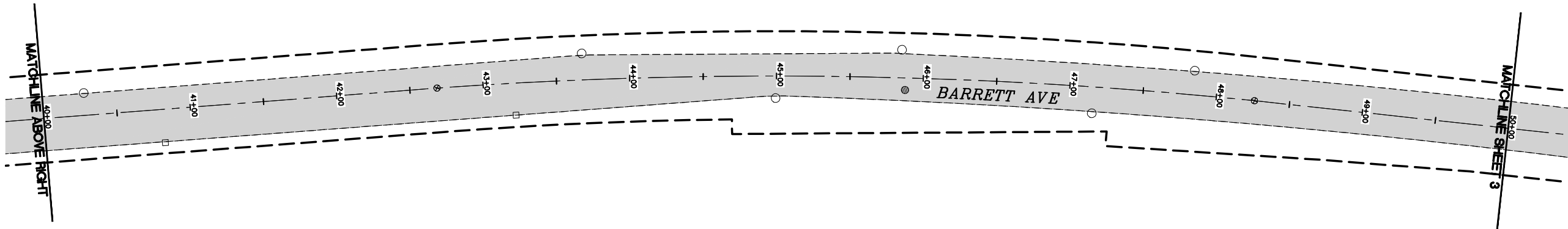
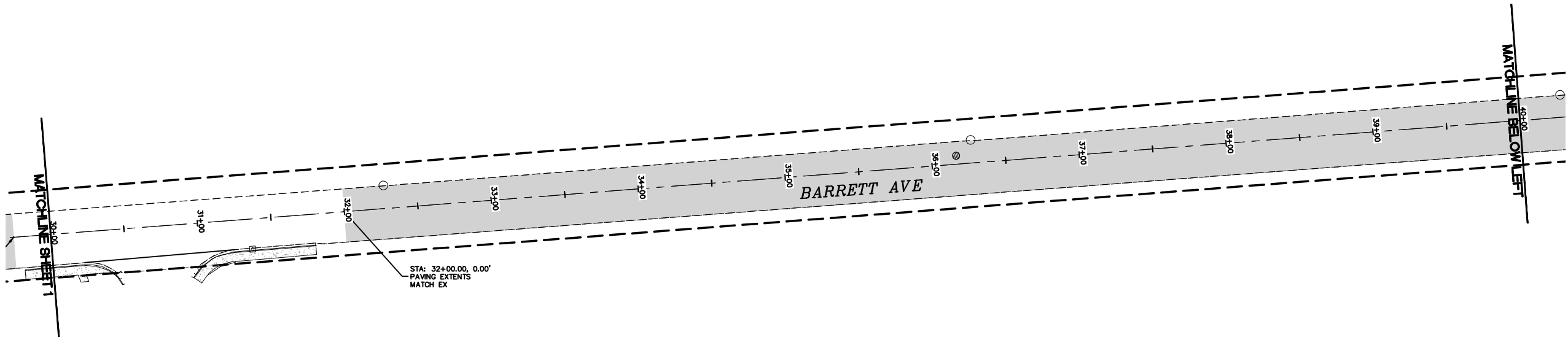
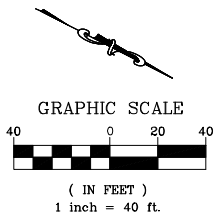
6 of 15





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	DRAWN BY CMS								JOB# 13053	SCALE H: 1"=40' V: N/A
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P:\PROJECTS\13053\16. CIVIL 3D 2012\13053 - 2.3.1 - PLANS - GRADING.DWG



P:\PROJECTS\13053\16. CIVIL 3D 2012\13053 - 2.3.1 - PLANS - GRADING.DWG

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NO.	DATE	DESCRIPTION	BY

CITY OF FERNDALE
2095 MAIN STREET
FERNDALE, WA 98248

BARRETT AVENUE OVERLAY
MAIN STREET TO WEST SMITH ROAD
GRADING AND SITE PLANS - STA 30+00 TO 50+00

DWG

JOB#

13053

SCALE

H: 1"=40'

V: N/A

DATE

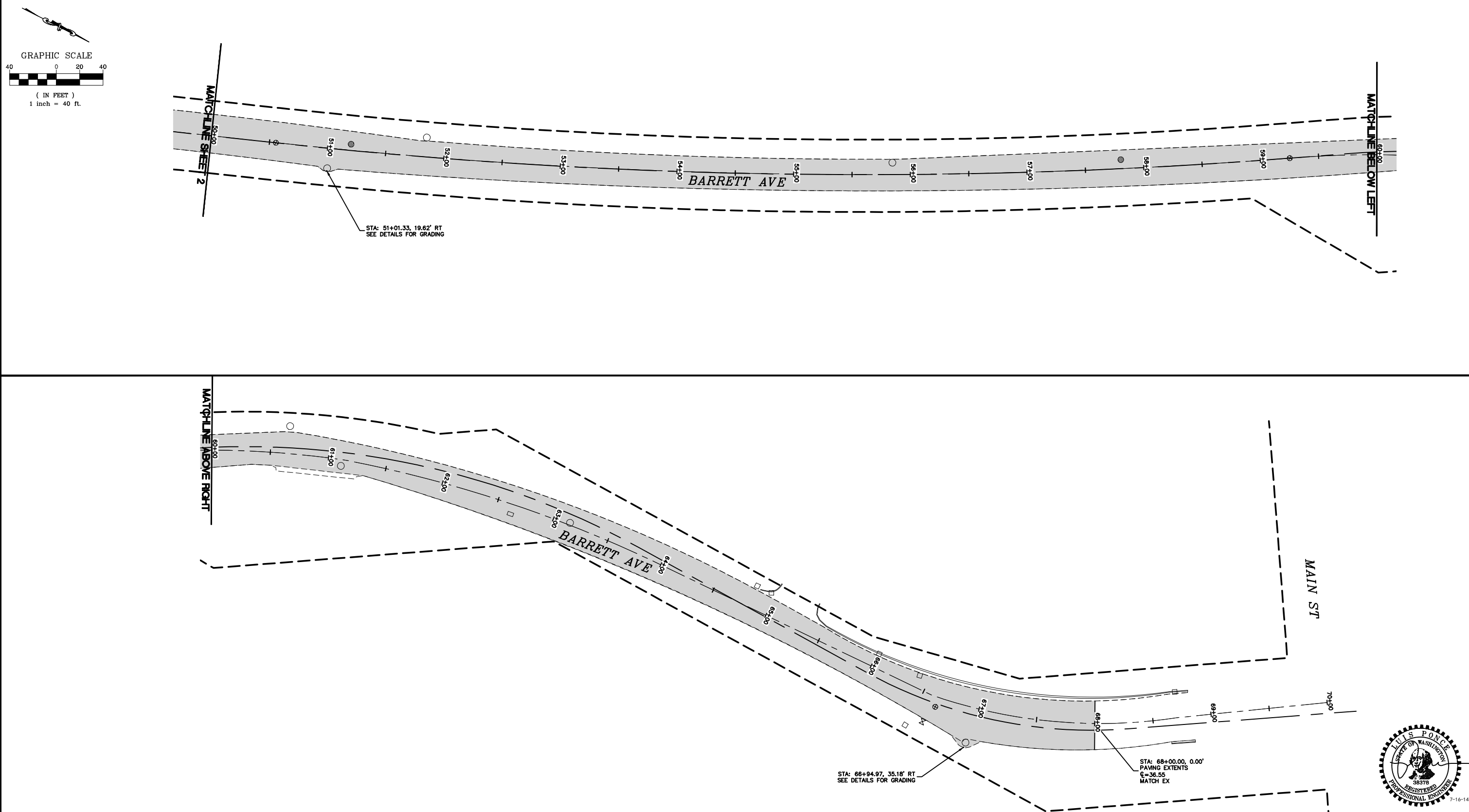
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SHEET

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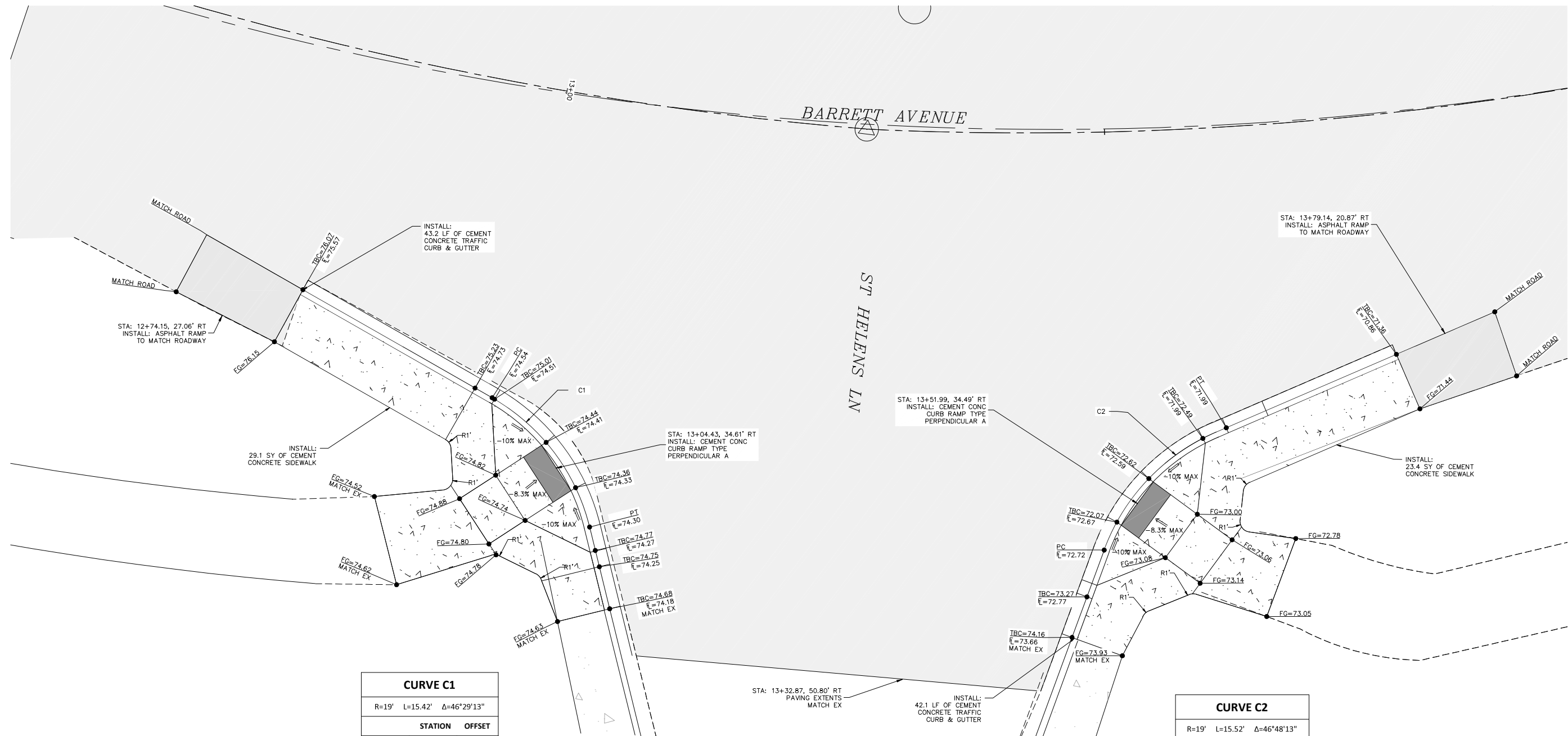


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NO.	DATE	DESCRIPTION	BY	

CITY OF FERNDAL 2095 MAIN STREET FERNDAL, WA 98248	BARRETT AVENUE OVERLAY MAIN STREET TO WEST SMITH ROAD GRADING AND SITE PLANS - STA 50+00 TO 70+00	DWG JOB# 13053	SCALE H: 1"=40' V: N/A	DATE 7/16/2014 SHEET 9 of 15
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CURVE C1		
R=19' L=15.42' Δ=46°29'13"		
STATION		OFFSET
PC	12+98.12	29.18'R
PT	13+07.90	39.56'R

CURVE C2		
R=19' L=15.52' Δ=46°48'13"		
	STATION	OFFSET
PC	13+49.15	38.71'R
PT	13+58.54	27.30'R



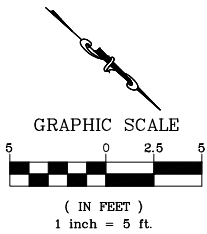
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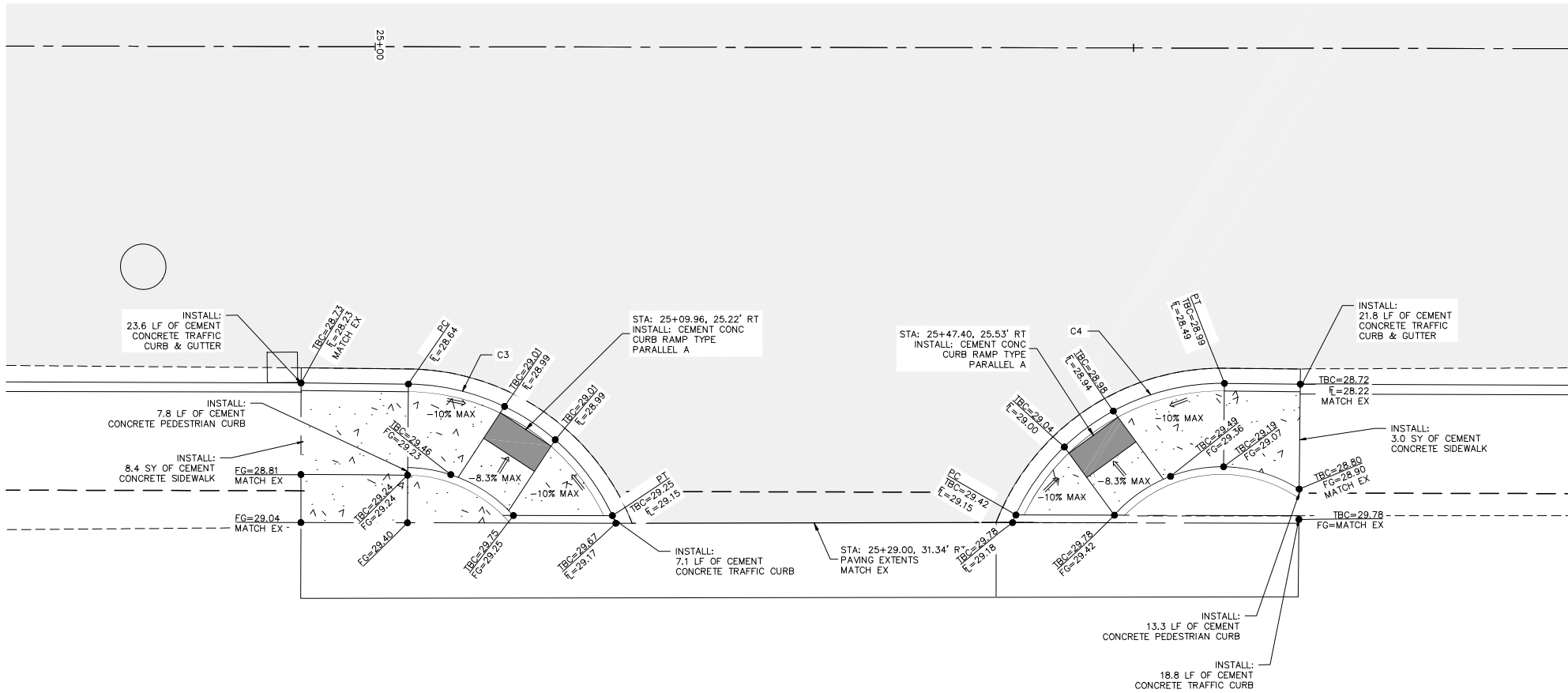
NO.	DATE	DESCRIPTION	BY

**BARRETT AVENUE OVERLAY
MAIN STREET TO WEST SMITH ROAD
GRADING AND SITE PLANS - RAMPS AT STA 12+50 TO 13+92**

DWG		DATE
		7/16/2014
JOB#	SCALE	SHEET
13053	H: 1"=5' V: N/A	10 of 15

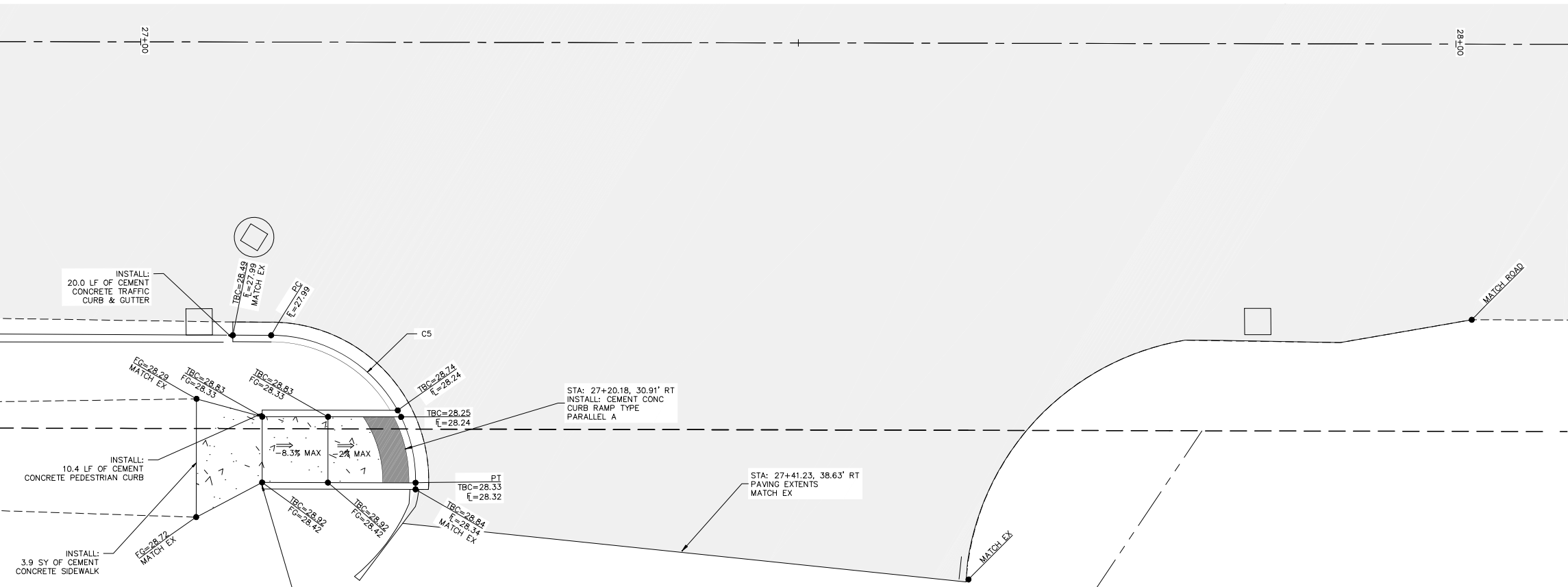


CURVE C1		
R=15' L=17.43' Δ=66°35'16"		
STATION	OFFSET	
PC	25+02.23	22.24'R
PT	25+15.69	30.89'R



CURVE C2		
R=15' L=17.73' Δ=67°44'00"		
STATION	OFFSET	
PC	25+42.29	30.80'R
PT	25+56.03	22.10'R

CURVE C3		
R=11' L=17.47' Δ=90°59'48"		
STATION	OFFSET	
PC	27+09.95	22.29'R
PT	27+20.95	33.49'R



BID SET

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CHECKED BY
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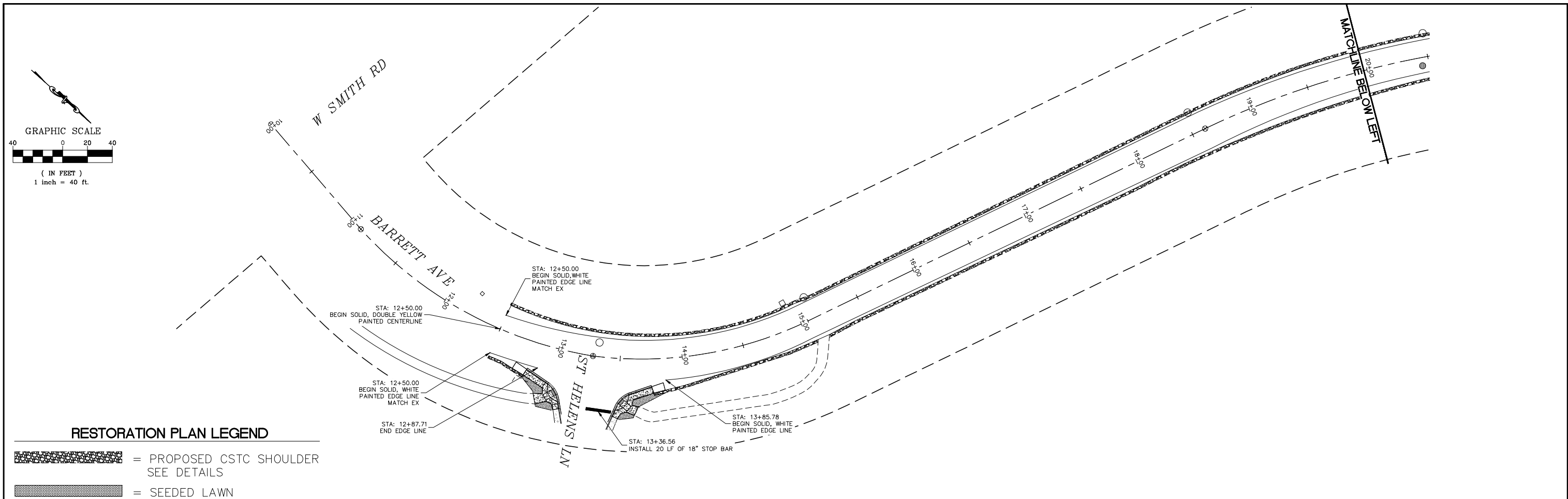
R&E Reichhardt & Ebe
ENGINEERING INC
P.O. Box 978 | 423 Front Street, Lynden, WA 98264 (360) 354-3687
813 Metcalf Street, Sedro-Woolley, WA 98284 (360) 855-1713

NO.	DATE	DESCRIPTION	BY



CITY OF FERNDALE
2095 MAIN STREET
FERNDALE, WA 98248

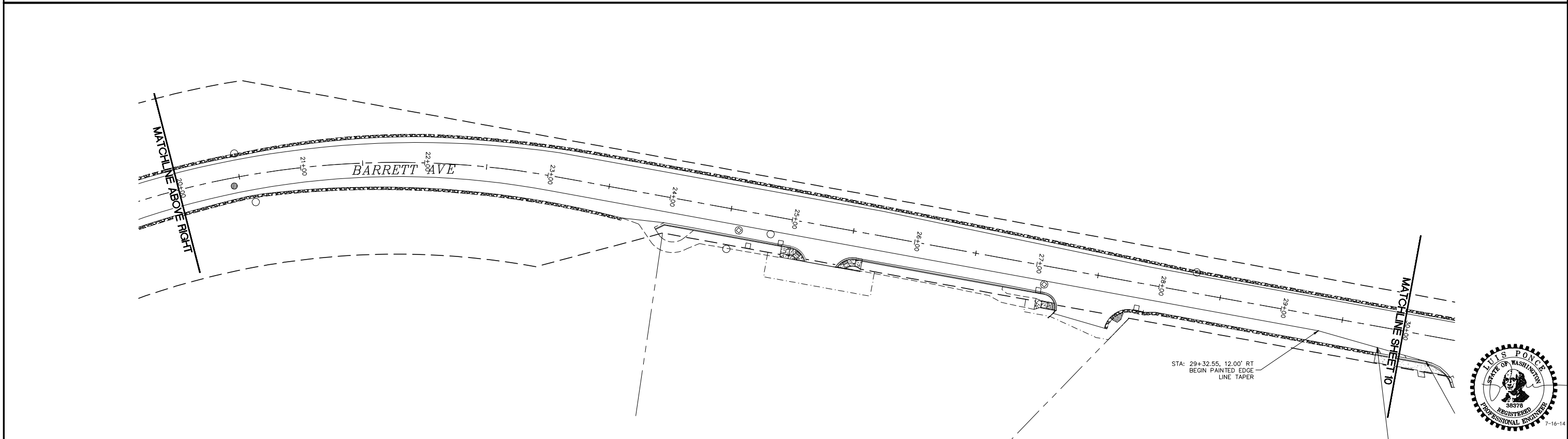
BARRETT AVENUE OVERLAY
MAIN STREET TO WEST SMITH ROAD
GRADING AND SITE PLANS - RAMPS AT STA 24+95 TO 25+60
AND 27+05 TO 28+00

DWG	DATE	7/16/2014
JOB#	SCALE	SHEET
13053	H: 1"=5' V: N/A	11 of 15



RESTORATION PLAN LEGEND

-  = PROPOSED CSTC SHOULDER
SEE DETAILS
-  = SEEDED LAWN



BID SET

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CMS
DRAWN BY
CMS
CHECKED BY
LP

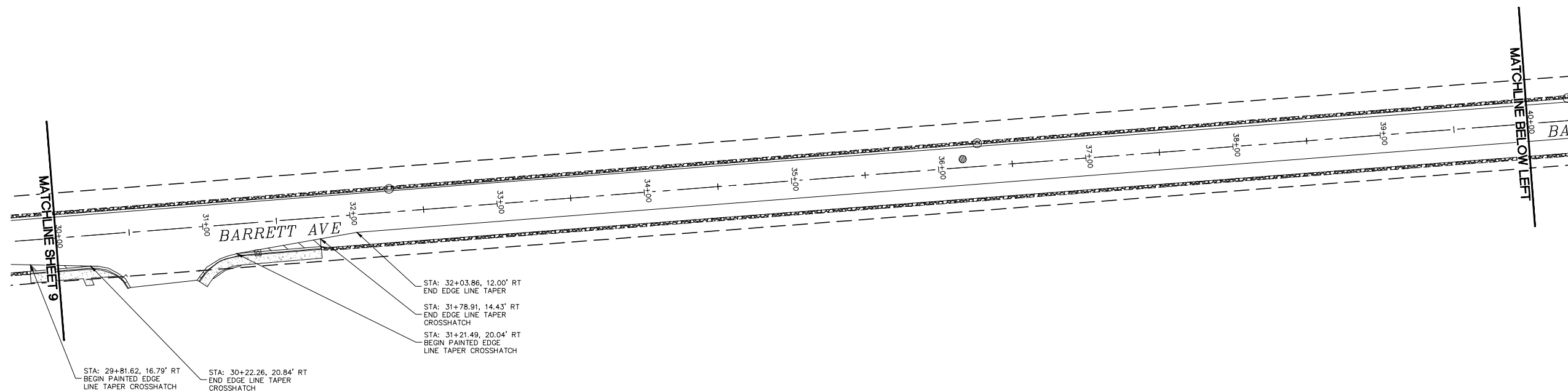
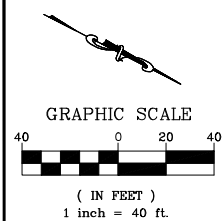
R&E Reichhardt & Ebe
ENGINEERING INC
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813 Metcalf Street, Sedro-Woolley, WA 98284 (360) 855-1713

NO.	DATE	DESCRIPTION	BY



CITY OF FERNDALE
2095 MAIN STREET
FERNDALE, WA 98248

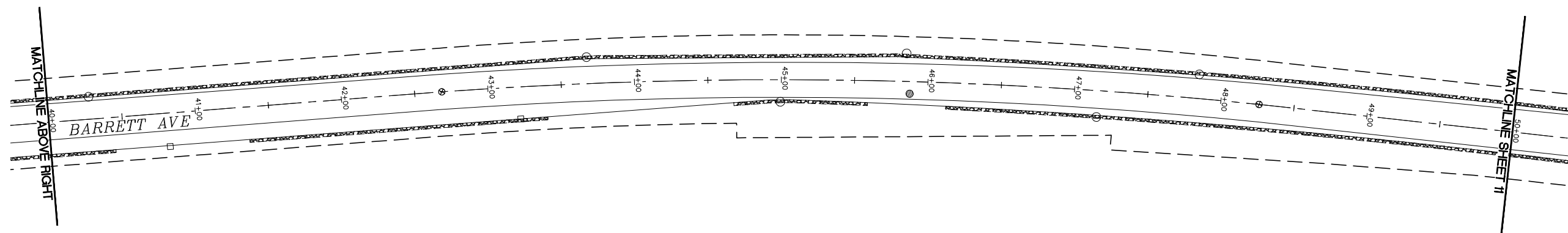
BARRETT AVENUE OVERLAY
MAIN STREET TO WEST SMITH ROAD
CHANNELIZATION AND RESTORATION PLANS
STA 10+00 TO 30+00

DWG	JOB#	SCALE	H: 1"=40'	V: N/A	DATE	7/16/2014
13053					SHEET	12 of 15



RESTORATION PLAN LEGEND

-  = PROPOSED CSTC SHOULDER
SEE DETAILS
-  = SEEDED LAWN



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NO.	DATE	DESCRIPTION	BY

CITY OF FERNDALE
2095 MAIN STREET
FERNDALE, WA 98248

BARRETT AVENUE OVERLAY
MAIN STREET TO WEST SMITH ROAD
CHANNELIZATION AND RESTORATION PLANS
STA 30+00 TO 50+00

DWG

JOB#

13053

SCALE

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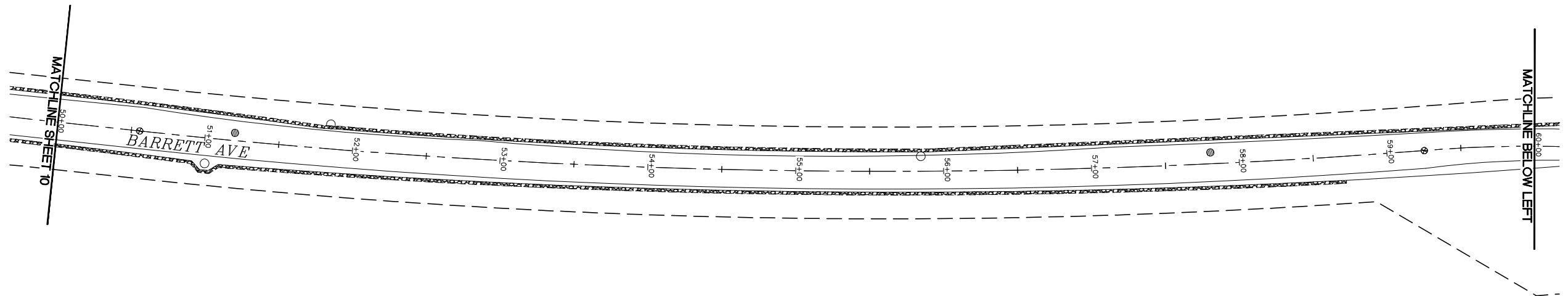
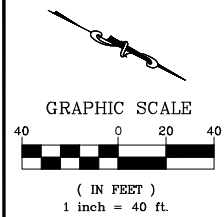
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DATE



7/16/2014

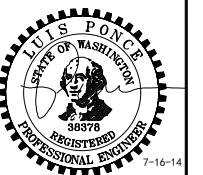
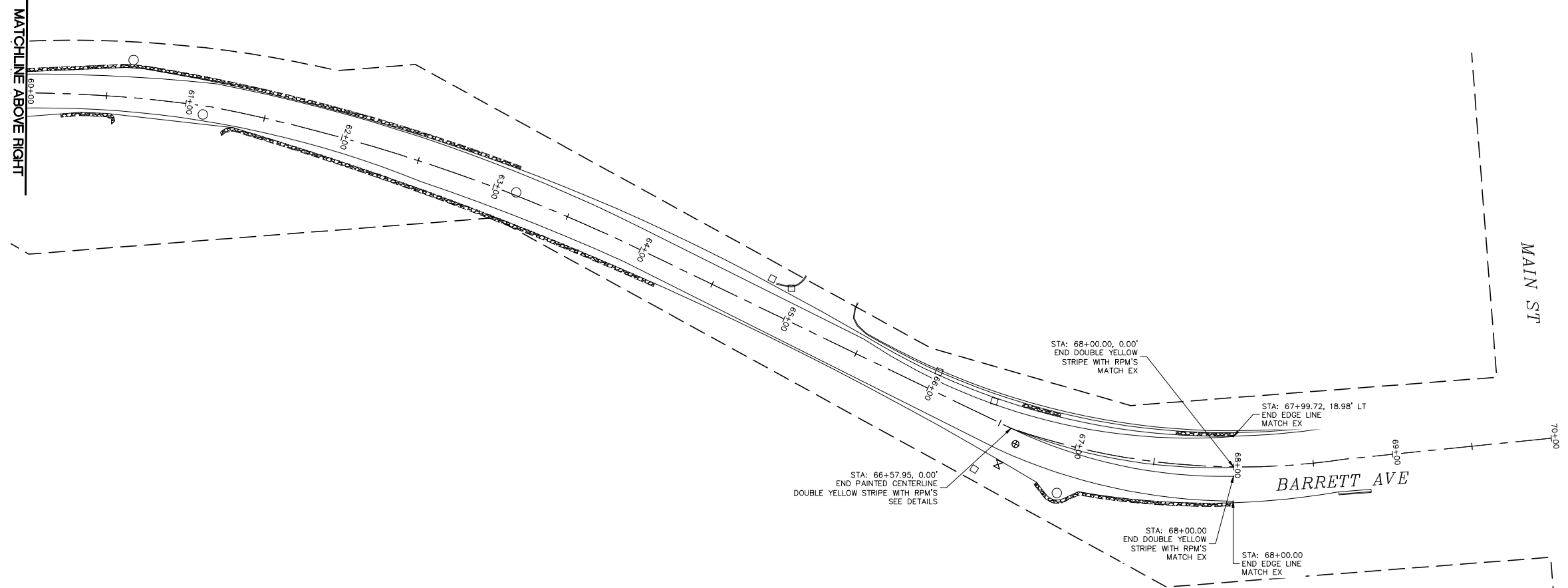
SHEET

13 of 15



RESTORATION PLAN LEGEND

-  = PROPOSED CSTC SHOULDER
SEE DETAILS
-  = SEEDED LAWN



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NO.	DATE	DESCRIPTION	BY	

CITY OF FERNDALE
2095 MAIN STREET
FERNDALE, WA 98248

BARRETT AVENUE OVERLAY
MAIN STREET TO WEST SMITH ROAD
CHANNELIZATION AND RESTORATION PLANS
STA 50+00 TO 70+00

DWG

JOB#

13053

SCALE

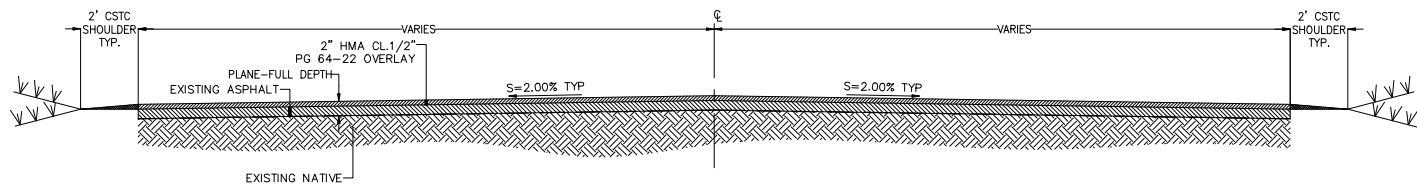
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V: N/A

DATE
7/16/2014

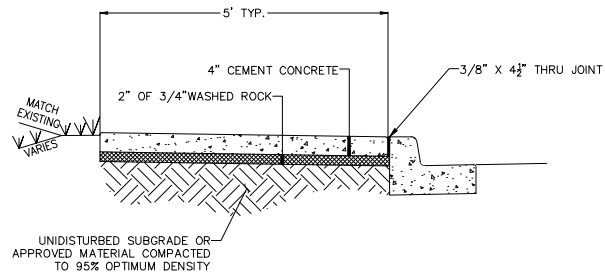
SHEET

14 of 15



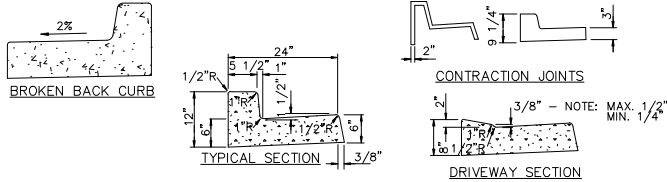
TYPICAL ROAD SECTION: BARRETT

NTS



TYPICAL SIDEWALK SECTION

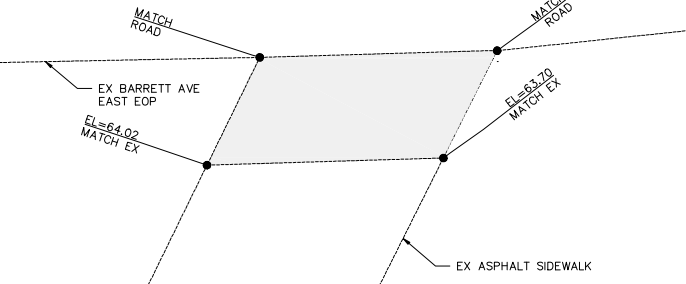
NTS



NOTES:
CONTRACTION JOINTS OF ONE OF THE TYPES SHOWN ABOVE TO BE PLACED 10' C/C. JOINTS COMPLETELY SEVER THE STRUCTURE TO THE POINTS SHOWN. JOINTS MAY BE MADE BY INSERTING MIN 3/16\"/>

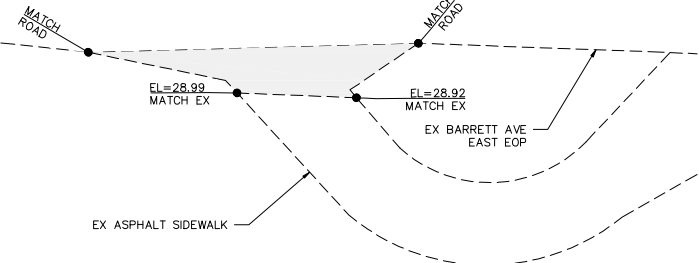
CURB AND GUTTER DETAILS

NTS



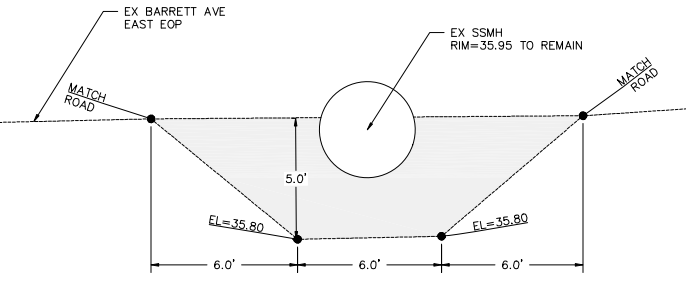
ACP SIDEWALK CONNECTION
GRADING STA 15+07 TO 15+17

NTS



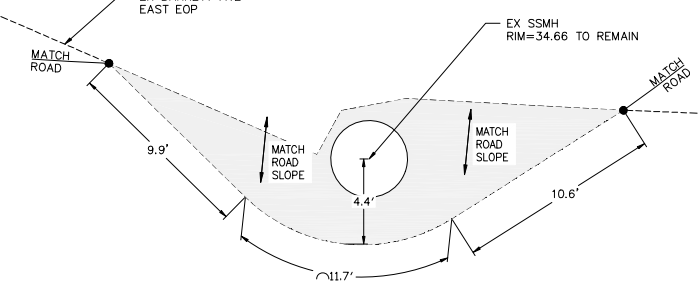
ACP SIDEWALK CONNECTION
GRADING STA 23+64 TO 23+98

NTS



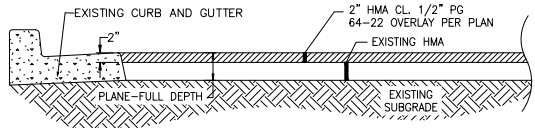
PROPOSED EOP GRADING
STA 50+93 TO 51+10

NTS



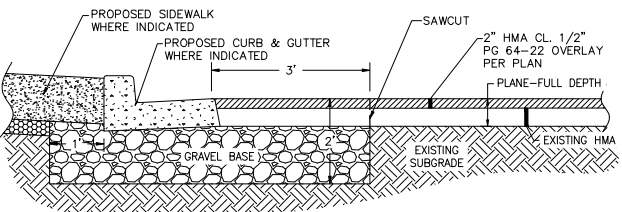
PROPOSED EOP GRADING
STA 66+82 TO 67+08

NTS



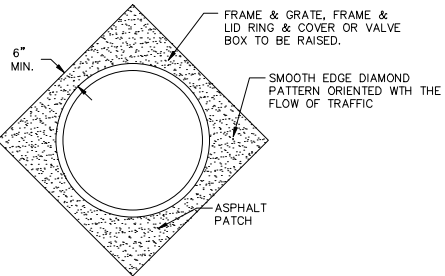
PLANING BITUMINOUS PAVEMENT AT
EXISTING CURB, LT AND RT

NTS

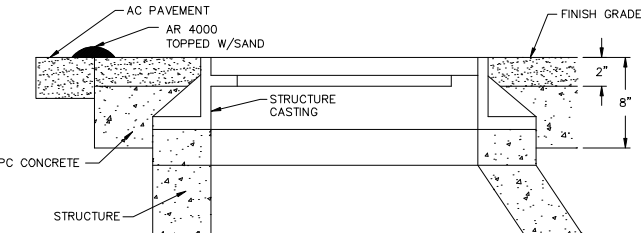


TYPICAL CURB, GUTTER, AND SIDEWALK
REMOVAL/REPLACEMENT SECTION

NTS



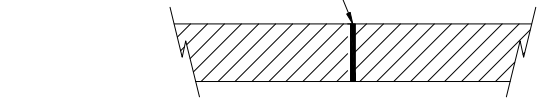
- NOTES:
ALL FRAMES, COVERS AND VALVE BOXES SHALL BE ADJUSTED TO FINISHED GRADE AFTER THE FINAL LIFT OF PAVING HAS BEEN COMPLETED. THE FOLLOWING PROCEDURE SHALL BE USED:
1. CUT THE ASPHALT IN A DIAMOND AROUND THE STRUCTURE CASTING TO BE ADJUSTED.
 2. REMOVE THE FILL MATERIAL WITHIN THE CUT PAVEMENT AREA TO 8 INCHES MIN. BELOW FINISH GRADE.
 3. PLACE THE CASTING AT FINISH GRADE.
 4. PLACE PORTLAND CEMENT CONCRETE TO WITHIN THE TOP 2 INCHES OF FINISH GRADE.
 5. APPLY TACK TO THE STRUCTURE CASTING, CUT PAVEMENT, AND PC CONCRETE.
 6. PLACE AND COMPACT 2 INCHES OF COMMERCIAL HMA TO FINISH GRADE.
 7. SEAL PAVEMENT JOINTS WITH HOT AR4000 AND TOP WITH SAND.



ADJUSTING CASTINGS
TO FINISHED GRADE

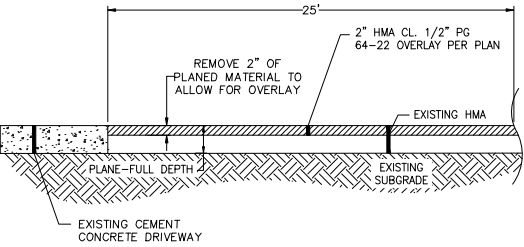
NTS

NOTE:
SAWCUT: 2' MINIMUM FROM EXISTING JOINT OR AS DIRECTED BY THE ENGINEER.



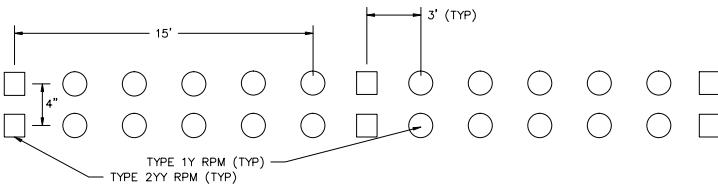
SIDEWALK PANEL SAWCUT DETAIL

NTS



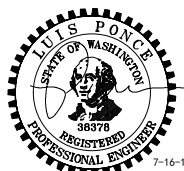
PLANING BITUMINOUS PAVEMENT AT
EXISTING CONCRETE DRIVEWAY

NTS



DOUBLE YELLOW STRIPE WITH
RAISED PAVEMENT MARKERS

NTS



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NO.	DATE	DESCRIPTION	BY

CITY OF FERNDAL
2095 MAIN STREET
FERNDAL, WA 98248

BARRETT AVENUE OVERLAY
MAIN STREET TO WEST SMITH ROAD
CONSTRUCTION DETAILS

DWG	JOB#	SCALE	DATE
	13053	H: N/A V: N/A	7/16/2014
SHEET	15 of 15		

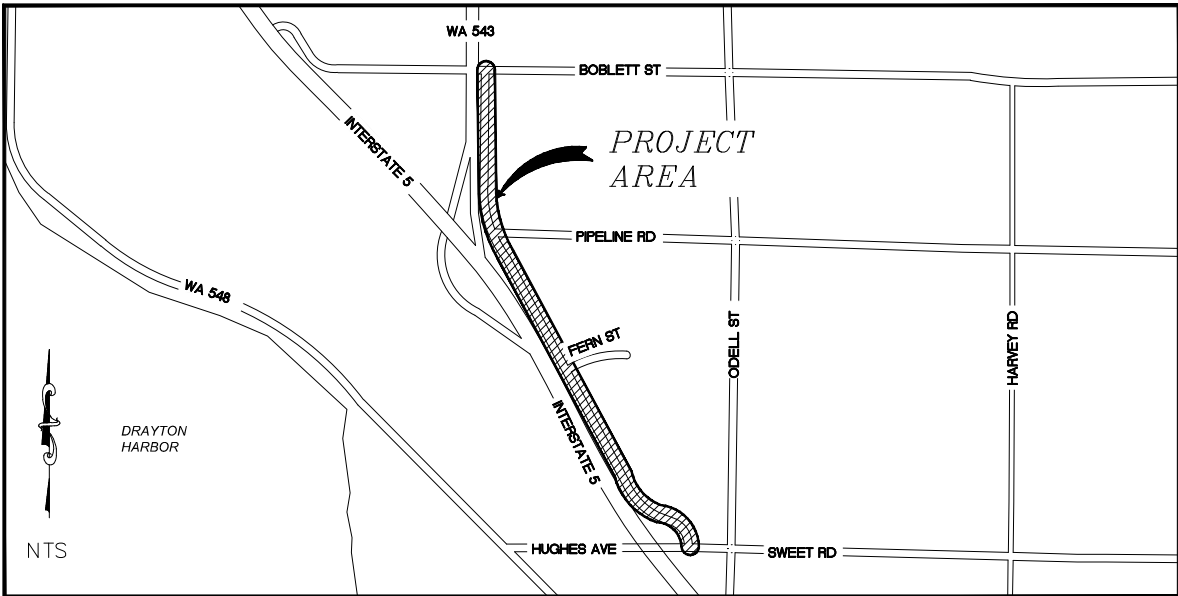
YEW AVENUE OVERLAY

BOBLETT STREET TO HUGHES AVENUE

CITY OF BLAINE, WA

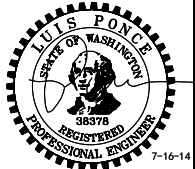
VICINITY MAP

PROJECT LOCATED IN SECTION 6, TOWNSHIP 40 N, RANGE 1 E, W.M.



SHEET INDEX

SHEET	DESCRIPTION
1	COVER SHEET
2	LEGEND AND ABBREVIATIONS
3	TRAFFIC CONTROL PLAN
4	DEMOLITION PLAN - STA 10+00 TO 35+50
5	DEMOLITION PLAN - STA 35+50 TO 57+00
6	RESTORATION AND CHANNELIZATION PLANS - STA 10+00 TO 35+50
7	RESTORATION AND CHANNELIZATION PLANS - STA 35+50 TO 57+00
8	DETAILS - TYPICAL SECTION



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NO.	DATE	DESCRIPTION	BY

CITY OF BLAINE
1200 YEW AVENUE
BLAINE, WA 98230

YEW AVENUE OVERLAY
BOBLETT STREET TO HUGHES AVENUE
BLAINE, WA

DWG

JOB#

13053

SCALE

H: N/A

V: N/A

DATE

7/16/2014

SHEET

1 of 8

LEGEND

EXISTING

-----TB-----TB-----	= EXISTING TOP OF BANK
-----BB-----BB-----	= EXISTING BOTTOM OF BANK
-----..-----..-----	= EXISTING DITCH CL
-----..-----..-----	= EXISTING GRADE BREAK
-----95-----	= EXISTING MAJOR CONTOUR
-----95-----	= EXISTING MINOR CONTOUR
-----X-----X-----	= EXISTING GUARDRAIL
-----X-----X-----	= EXISTING FENCE
-----X-----X-----	= EXISTING GRAVEL
-----X-----X-----	= EXISTING WALL
-----X-----X-----	= EXISTING BUILDING
-----X-----X-----	= EXISTING PROPERTY BOUNDARY
-----X-----X-----	= EXISTING RIGHT OF WAY
-----X-----X-----	= EXISTING RIGHT OF WAY CL
-----X-----X-----	= EXISTING EASEMENT
-----X-----X-----	= EXISTING WETLANDS BOUNDARY
-----X-----X-----	= EXISTING ROAD CL
-----X-----X-----	= EXISTING TRAFFIC STRIPING
-----X-----X-----	= EXISTING EDGE OF PAVEMENT
-----X-----X-----	= EXISTING FLOWLINE
-----X-----X-----	= EXISTING TOP BACK OF CURB
-----X-----X-----	= EXISTING SIDEWALK
-----X-----X-----	= EXISTING POWER BURIED
-----X-----X-----	= EXISTING COMMUNICATIONS BURIED
-----X-----X-----	= EXISTING OVERHEAD POWER
-----X-----X-----	= EXISTING OVERHEAD COMMUNICATIONS
-----X-----X-----	= EXISTING FIBER OPTICS BURIED
-----X-----X-----	= EXISTING TELEPHONE BURIED
-----X-----X-----	= EXISTING TV BURIED
-----X-----X-----	= EXISTING CONDUIT
-----X-----X-----	= EXISTING GAS MAIN
-----X-----X-----	= EXISTING ORDINARY HIGH WATER
-----X-----X-----	= EXISTING WATER MAIN
-----X-----X-----	= EXISTING SANITARY SEWER FORCE MAIN
-----X-----X-----	= EXISTING SANITARY SEWER
-----X-----X-----	= EXISTING STORM DRAIN
-----X-----X-----	= EXISTING UNDERDRAIN
-----X-----X-----	= EXISTING CULVERT
-----X-----X-----	= EXISTING TREE LINE
-----X-----X-----	= EXISTING CONCRETE
-----X-----X-----	= EXISTING RR TRACKS
-----X-----X-----	= EXISTING SIGNAL POLE AND ARM W/ LUMINAIRE
-----X-----X-----	= EXISTING STREET LIGHT ASSEMBLY
-----X-----X-----	= EXISTING GUY WIRE
-----X-----X-----	= EXISTING GAS METER
-----X-----X-----	= EXISTING TRANSFORMER PAD
-----X-----X-----	= EXISTING POWER VAULT
-----X-----X-----	= EXISTING JBOX
-----X-----X-----	= EXISTING SOIL BORING LOCATION
-----X-----X-----	= EXISTING MAIL BOX
-----X-----X-----	= EXISTING WATER SPIGOT
-----X-----X-----	= EXISTING WATER METER
-----X-----X-----	= EXISTING WATER VALVE
-----X-----X-----	= EXISTING FIRE HYDRANT
-----X-----X-----	= EXISTING TRAFFIC SIGNAL VAULT
-----X-----X-----	= EXISTING SEWER MANHOLE
-----X-----X-----	= EXISTING STORM DRAIN CATCH BASIN TYPE I
-----X-----X-----	= EXISTING STORM DRAIN CATCH BASIN TYPE II
-----X-----X-----	= EXISTING UTILITY POLE
-----X-----X-----	= EXISTING MONITORING WELL
-----X-----X-----	= EXISTING STORM CLEANOUT
-----X-----X-----	= EXISTING SEWER CLEANOUT
-----X-----X-----	= EXISTING SIGN
-----X-----X-----	= EXISTING TELEPHONE PEDESTAL
-----X-----X-----	= EXISTING BENCH MARK
-----X-----X-----	= EXISTING IRON PIPE
-----X-----X-----	= EXISTING MONUMENT (IN CASE)
-----X-----X-----	= EXISTING MONUMENT (SURFACE)
-----X-----X-----	= EXISTING ANGLE POINT
-----X-----X-----	= EXISTING TREE STUMP
-----X-----X-----	= EXISTING TREE
-----X-----X-----	= EXISTING VEGETATION

PROPOSED

-----TB-----TB-----	= PROPOSED TOP OF BANK
-----BB-----BB-----	= PROPOSED TOE OF BANK
-----..-----..-----	= PROPOSED SAWCUT
-----SD-----	= PROPOSED FIELD STORM DRAIN
-----95-----	= PROPOSED MAJOR CONTOUR
-----95-----	= PROPOSED MINOR CONTOUR
-----X-----X-----	= PROPOSED PAVEMENT VALLEY
-----X-----X-----	= PROPOSED DITCH CL
-----X-----X-----	= PROPOSED FENCE
-----FO-----FO-----	= PROPOSED FIBER OPTICS
-----X-----X-----	= PROPOSED HANDRAIL
-----X-----X-----	= PROPOSED GUARDRAIL
-----X-----X-----	= PROPOSED GRAVEL
-----X-----X-----	= PROPOSED PATH
-----X-----X-----	= PROPOSED AUTOTURN
-----X-----X-----	= PROPOSED ROAD CL
-----X-----X-----	= PROPOSED ROAD EDGE OF PAVEMENT
-----X-----X-----	= PROPOSED ROCK WALL
-----X-----X-----	= PROPOSED RIGHT OF WAY
-----X-----X-----	= PROPOSED TREE LINE
-----SD-----	= PROPOSED STORM DRAIN
-----TS-----TS-----	= PROPOSED TRAFFIC SIGNAL CONDUCTOR
-----SS-----	= PROPOSED SANITARY SEWER
-----X-----X-----	= PROPOSED TRAFFIC STRIPE
-----X-----X-----	= PROPOSED PARKING STRIPE
-----X-----X-----	= PROPOSED CURB AND GUTTER
-----X-----X-----	= PROPOSED POWER LINE
-----X-----X-----	= PROPOSED WATER MAIN
-----X-----X-----	= PROPOSED SIDEWALK
-----X-----X-----	= PROPOSED SILT FENCE
-----X-----X-----	= PROPOSED CONSTRUCTION EASEMENT
-----X-----X-----	= PROPOSED GRADE BREAK
-----X-----X-----	= PROPOSED SANITARY SEWER FORCE MAIN
-----X-----X-----	= PROPOSED UNDERDRAIN
-----X-----X-----	= PROPOSED CONDUIT
-----X-----X-----	= PROPOSED BUILDING
-----X-----X-----	= PROPOSED CONC. SIDEWALK/DRIVEWAY
-----X-----X-----	= PROPOSED INFILTRATION TRENCH
-----X-----X-----	= PROPOSED INFILTRATION FILTER MEDIA
-----X-----X-----	= PROPOSED PLANING
-----X-----X-----	= PROPOSED DEMOLITION AREA
-----X-----X-----	= PROPOSED ASPHALT
-----X-----X-----	= PROPOSED RIGHT OF WAY TAKE
-----X-----X-----	= PROPOSED STORM DRAIN INLET
-----X-----X-----	= PROPOSED COUPLER
-----X-----X-----	= PROPOSED WATER METER
-----X-----X-----	= PROPOSED WATER VALVE
-----X-----X-----	= PROPOSED HYDRANT
-----X-----X-----	= PROPOSED SANITARY SEWER MANHOLE
-----X-----X-----	= PROPOSED STORM DRAIN CATCH BASIN TYPE I
-----X-----X-----	= PROPOSED STORM DRAIN CATCH BASIN TYPE II
-----X-----X-----	= PROPOSED UTILITY POLE
-----X-----X-----	= PROPOSED MONITORING WELL
-----X-----X-----	= PROP STORM CLEANOUT
-----X-----X-----	= PROPOSED SANITARY SEWER CLEAN OUT
-----X-----X-----	= PROPOSED SIGN
-----X-----X-----	= FLOW ARROW
-----X-----X-----	= PROPOSED TREE

ABBREVIATIONS

AC = ASBESTOS CEMENT	EVLS = END VERTICAL CURVE STATION	MAX = MAXIMUM	R&C = RING AND COVER
AD = ALGEBRAIC DIFFERENCE	EX, EXIST = EXISTING	MPOC = MID-POINT ON CURVE	SSMH = SANITARY SEWER MANHOLE
ASPH = ASPHALT	IR = EXISTING IRRIGATION	MIN = MINIMUM	SCH = SCHEDULE
BLDG = BUILDING	SN = EXISTING SIGN	MOD = MODIFIED	S = SOUTH
BVCE = BEGIN VERTICAL CURVE ELEVATION	FT = FEET	MW = MONITORING WELL	SD = STORM DRAIN
BVCS = BEGIN VERTICAL CURVE STATION	FL = FLOW LINE	MON = MONUMENT	STD = STANDARD
CATV = CABLE TELEVISION	FF = FINISHED FLOOR	MTR = METER	SP = STANDARD PLAN
CDF = CONTROLLED DENSITY FILL	FG = FINISHED GRADE	N = NORTH	STA = STATION
CL = CLASS, CENTERLINE	FT/FT = FEET PER FOOT	OC = ON CENTER	SDCB = STORM DRAIN CATCH BASIN
CMP = CORRUGATED METAL PIPE	F&C = FRAME AND COVER	PVMNT = PAVEMENT	SDMH = STORM DRAIN MANHOLE
CMU = CONCRETE MASONRY UNIT	R&C = RING AND COVER	PED = PEDESTAL	TEL = TELEPHONE
COMP = COMPACTED	GALV = GALVANIZED	PCC = POINT OF COMPOUND CURVATURE	TL = TRAFFIC LOOP
CONC = CONCRETE	GRVL = GRAVEL	PC = POINT OF CURVATURE	TYP = TYPICAL
CONT = CONTOUR	GV = GATE VALVE	PRC = POINT OF REVERSE CURVE	UP = UTILITY POLE
C & G = CURB & GUTTER	HDPE = HIGH DENSITY POLYETHYLENE	PT = POINT OF TANGENCY	UTIL = UTILITY
CPSSP = CORRUGATED POLYETHYLENE STORM SEWER PIPE	HMA = HOT MIX ASPHALT	POC = POINT ON CURVE	VC = VERTICAL CURVE
CULV = CULVERT	HP = HIGH POINT	PVC = POLYVINYL CHLORIDE	VLT = VAULT
Ø = DIAMETER	HYD = HYDRANT	PCC = PORTLAND CEMENT CONCRETE	VPC = VERTICAL POINT OF CURVATURE
DI = DUCTILE IRON	IW = INJECTION WELL	POSS = POSSIBLE	VPI = VERTICAL POINT OF INTERSECTION
D/W = DRIVEWAY	IE, INV = INVERT ELEVATION	PROP = PROPOSED	VPT = VERTICAL POINT OF TANGENCY
E = EAST	L = LENGTH	PVI = POINT OF VERTICAL INTERSECTION	WSDOT = WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
EOP, EP = EDGE OF PAVEMENT	LF = LINEAR FEET	PWR = POWER	W = WEST
EQUIV = EQUIVALENT	LP = LOW POINT	R = RADIUS	WM = WATER METER
EVCE = END VERTICAL CURVE ELEVATION	LOC = LOCATION	RET = RETAINING	XEOA = EXISTING EDGE OF ASPHALT
		ROW = RIGHT OF WAY	



BID SET

DESIGNED BY
CMS
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CMS
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813 Metcalf Street, Sedro-Woolley, WA 98284 (360) 855-1713

CITY OF BLAINE
1200 YEW AVENUE
BLAINE, WA 98230

YEW AVENUE OVERLAY
BOBLETT STREET TO HUGHES AVENUE
BLAINE, WA

DWG

JOB#

13053

SCALE

H: 1"=20'

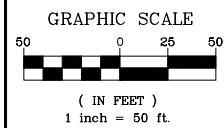
V: N/A

DATE

7/16/2014

SHEET

2 of 8



MATCHLINE SHEET 3

FERN STREET

YEW AVENUE

1-5

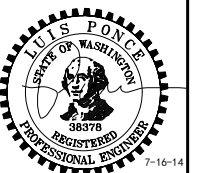
MATCHLINE BELOW LEFT

MATCHLINE ABOVE RIGHT

HUGHES AVENUE

STA: 56+89.13, 0.00'
SAWCUT 80 LF FULL DEPTH.
END PLANING.

1-5



BID SET

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R&E **Reichhardt & Ebe**
ENGINEERING INC

P.O. Box 978 | 423 Front Street, Lynden, WA 98264 (360) 354-3687
813 Metcalf Street, Sedro-Woolley, WA 98284 (360) 855-1713

NO.	DATE	DESCRIPTION	BY

CITY OF BLAINE
1200 YEW AVENUE
BLAINE, WA 98230

**YEW AVENUE OVERLAY
BOBLETT STREET TO HUGHES AVENUE
BLAINE, WA**

DWG

JOB#	
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13053

SCALE

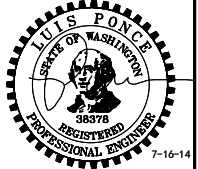
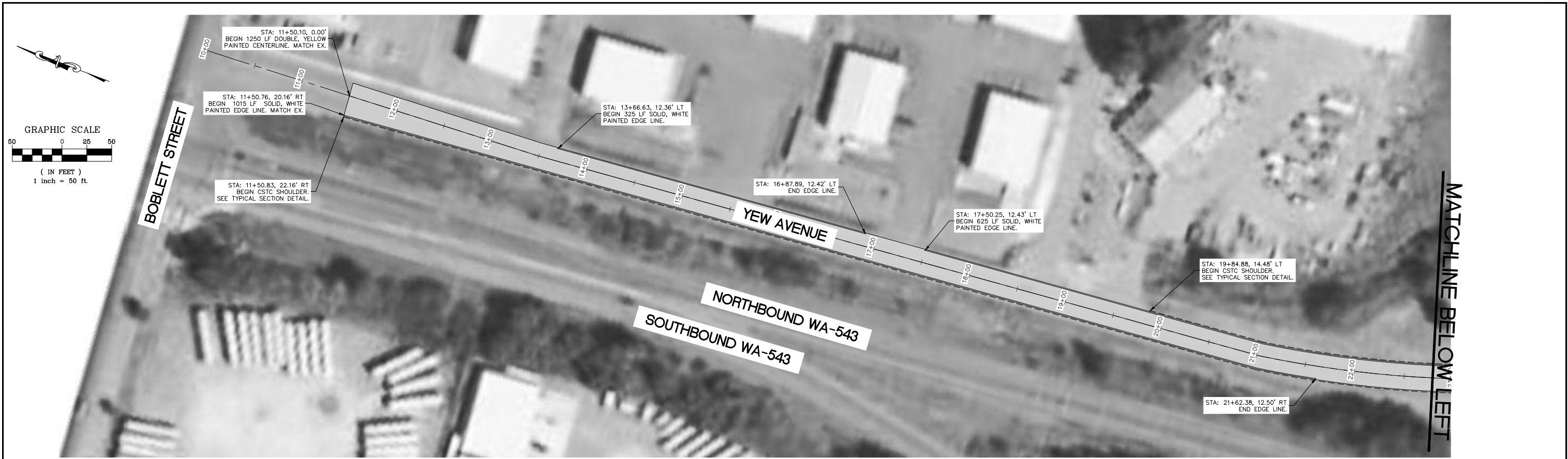
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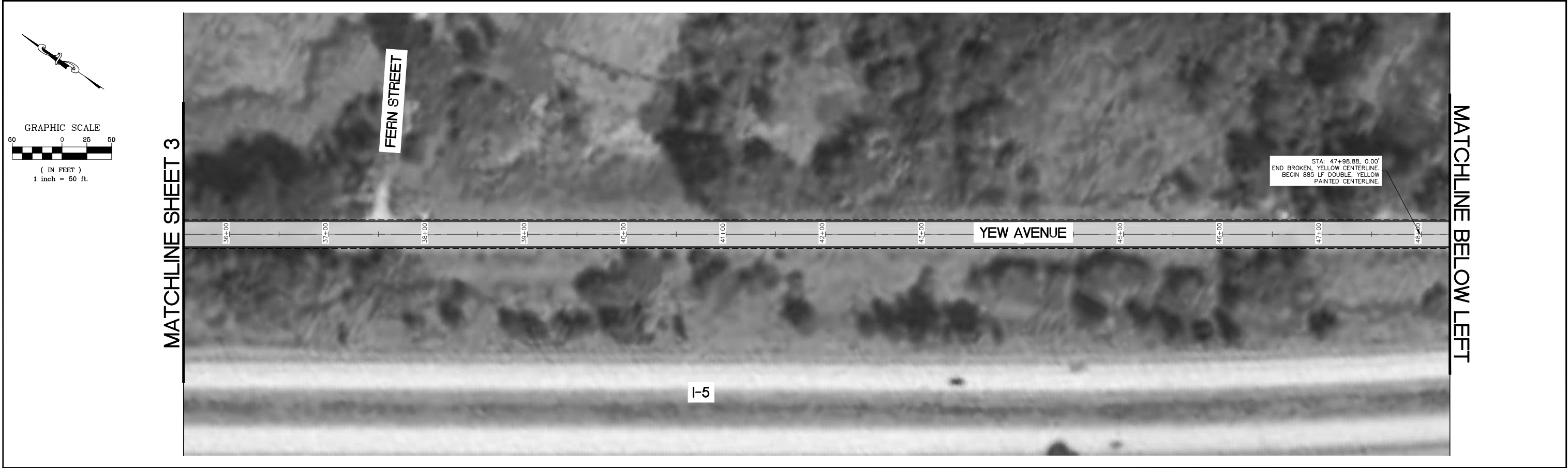
DATE 7/16/2014

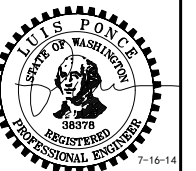
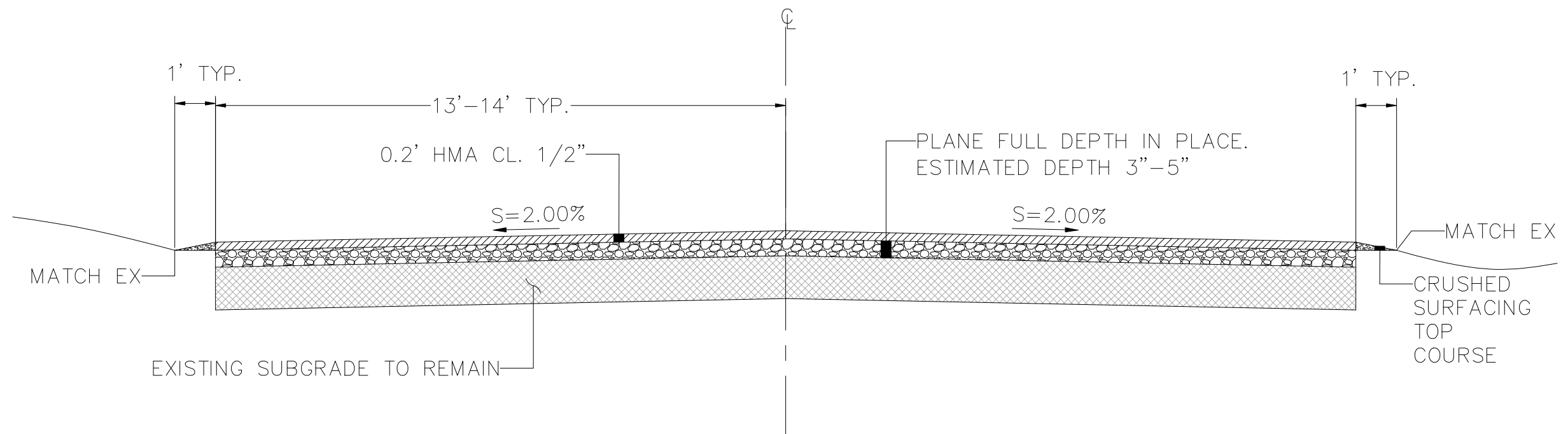
SHEET

5 of 8



BID SET		DESIGNED BY CMS	R&E Reichhardt & Ebe ENGINEERING INC P.O. Box 978 423 Front Street, Lynden, WA 98264 (360) 354-3687 813 Metcalf Street, Sedro-Woolley, WA 98284 (360) 855-1713							CITY OF BLAINE 1200 YEW AVENUE BLAINE, WA 98230	YEW AVENUE OVERLAY BOBLETT STREET TO HUGHES AVENUE BLAINE, WA		DWG JOB# 13053	SCALE H: 1"=50' V: N/A	DATE 7/16/2014 SHEET 6 of 8
		DRAWN BY CMS													
		CHECKED BY LP		NO.	DATE	DESCRIPTION	BY								





<div>BID SET</div>	DESIGNED BY CMS DRAWN BY CMS CHECKED BY LP	R&E Reichhardt & Ebe ENGINEERING INC P.O. Box 978 423 Front Street, Lynden, WA 98264 (360) 354-3687 813 Metcalf Street, Sedro-Woolley, WA 98284 (360) 855-1713	NO. DATE DESCRIPTION BY	CITY OF BLAINE 1200 YEW AVENUE BLAINE, WA 98230	YEW AVENUE OVERLAY BOBLETT STREET TO HUGHES AVENUE BLAINE, WA	DWG		DATE 7/16/2014 SHEET 8 of 8
						JOB#	SCALE	
						13053	H: N/A v: N/A	