

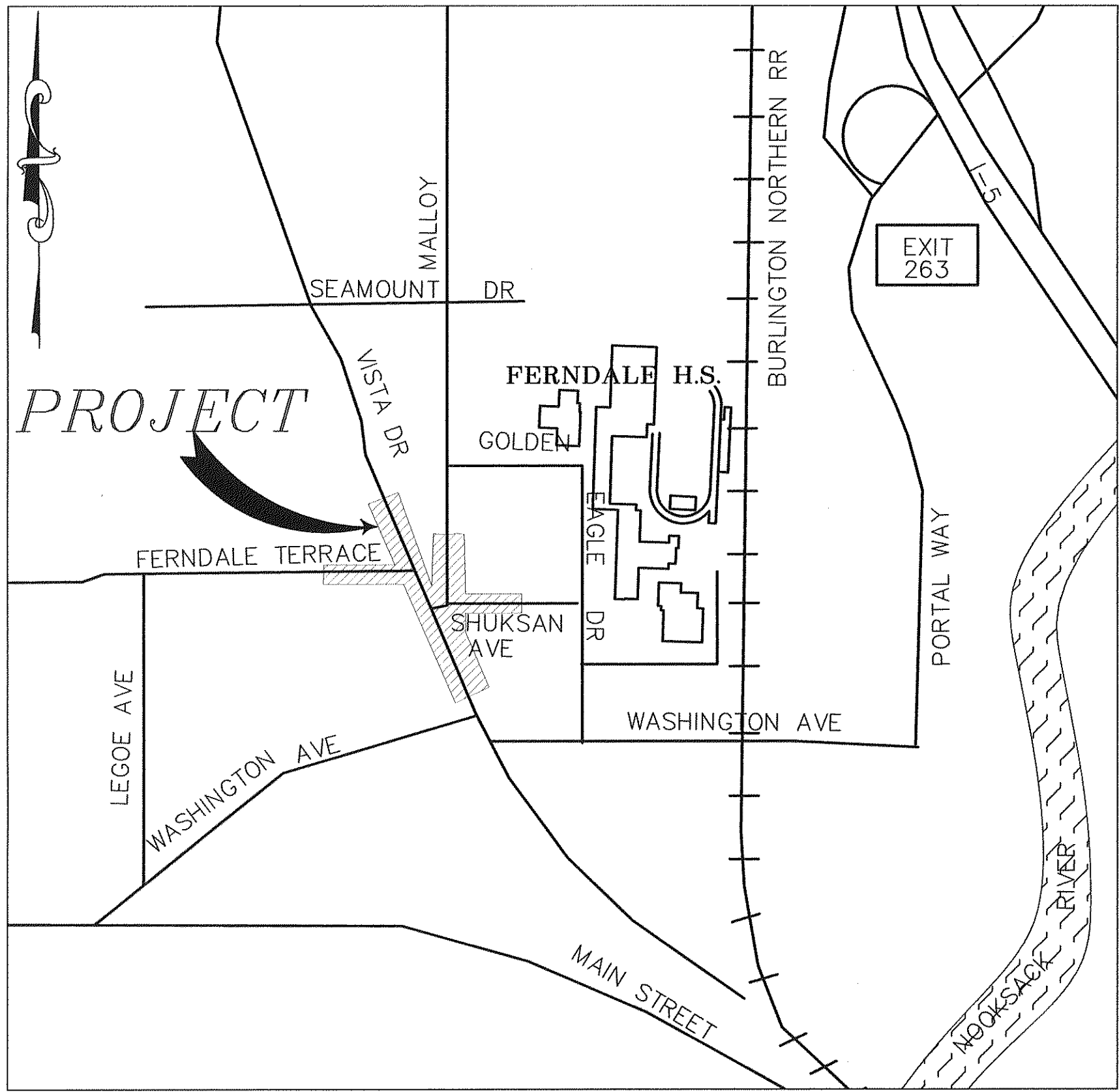
VISTA AND MALLOY ROUNDAABOUT

CITY OF FERNDALE

SHEET INDEX

VICINITY MAP

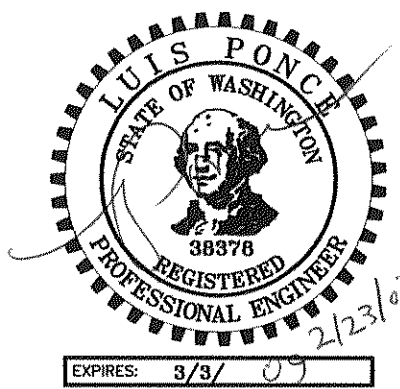
NTS



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|--|--------------------------------------|
| 1.) COVER SHEET | C1.) PAVEMENT MARKING PLAN |
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LEGEND

EX PAINTED ROAD CENTERLINE	PROPOSED STORM LINE
EX WATERMAIN	PROPOSED STORM CATCH BASIN
EX PHONE LINE	PROPOSED STORM MANHOLE
EX OVERHEAD POWER	PROPOSED SEWER MANHOLE
EX GAS MAIN	PROPOSED SEWER MAIN
EX STORM LINE	PROPOSED WATER MAIN
EX SEWER LINE	PROPOSED HYDRANT
EX ROAD TURTLES	PROPOSED WATER VALVE
EX EDGE OF PAVEMENT	PROPOSED TRANSITION COUPLER
EX STORM CATCH BASIN	PROPOSED SAWCUT
EX STORM MANHOLE	PROPOSED ROUNDAABOUT
EX UTILITY POLE	PROPOSED ACP REMOVAL
EX HYDRANT	PROPOSED SIDEWALK REMOVAL
EX VALVE	PROPOSED 2" DEPTH ACP PLANING
EX SANITARY SEWER MANHOLE	PROPOSED DRIVEWAY RECONSTRUCTION
EX WATER METER	PROPOSED WALL
EX YARD LIGHT	GAS LINE TRENCH
EX ROW	
EX PROPERTY LINE	
EX EASEMENT	
EX UTILITY LOCATE	



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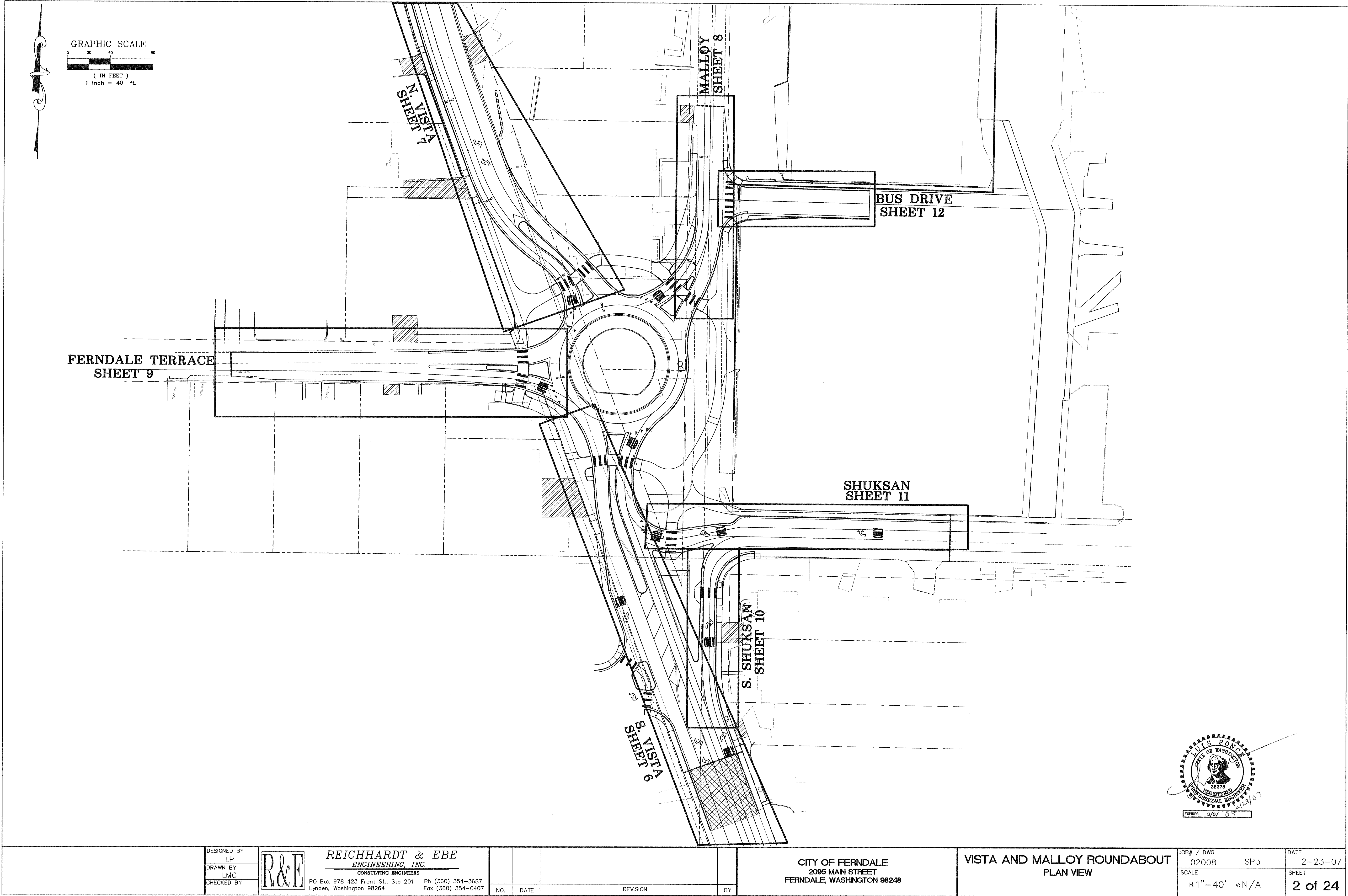
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2095 MAIN STREET
FERNDALE, WASHINGTON 98248

VISTA AND MALLOY
ROUNDAABOUT
COVER SHEET






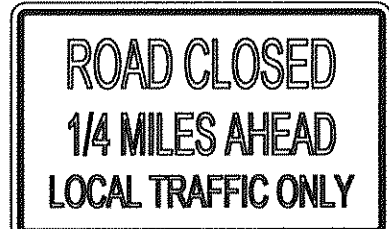
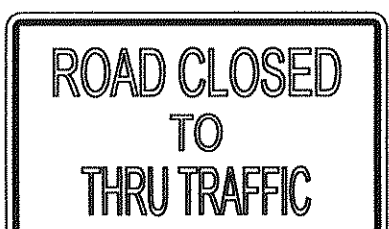

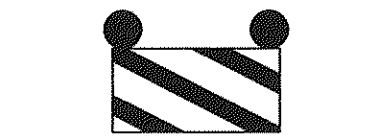

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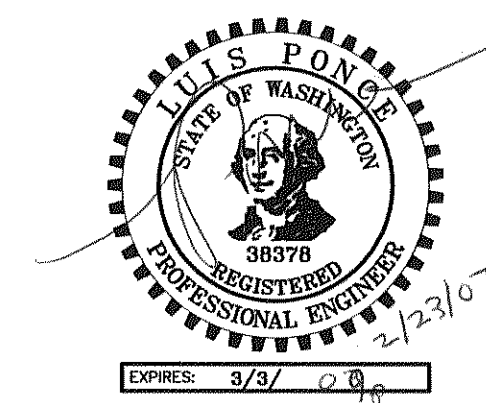
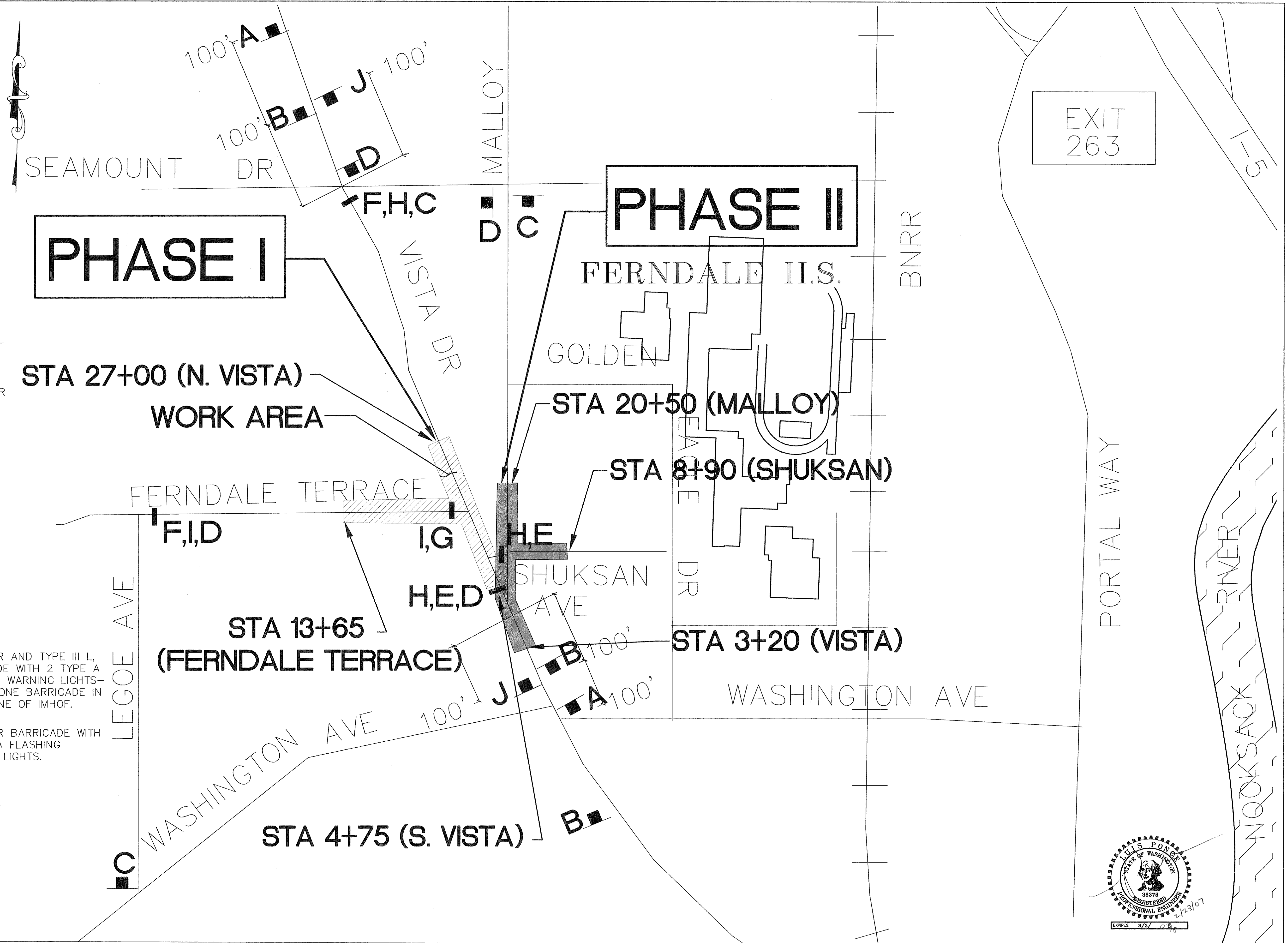
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SHEET
1 of 24

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LEGEND

- A  W 20-3
- B  W 20-2
- C  M 4-10 L
- D  M 4-10 R
- E  R 11-2
- F  R 11-3
- G  R 11-4
- H  TYPE III R AND TYPE III L BARRICADE WITH 2 TYPE A FLASHING WARNING LIGHTS—INSTALL ONE BARRICADE IN EACH LANE OF IMHOF.
- I  TYPE III R BARRICADE WITH 2 TYPE A FLASHING WARNING LIGHTS.
- J  M 4-8 A



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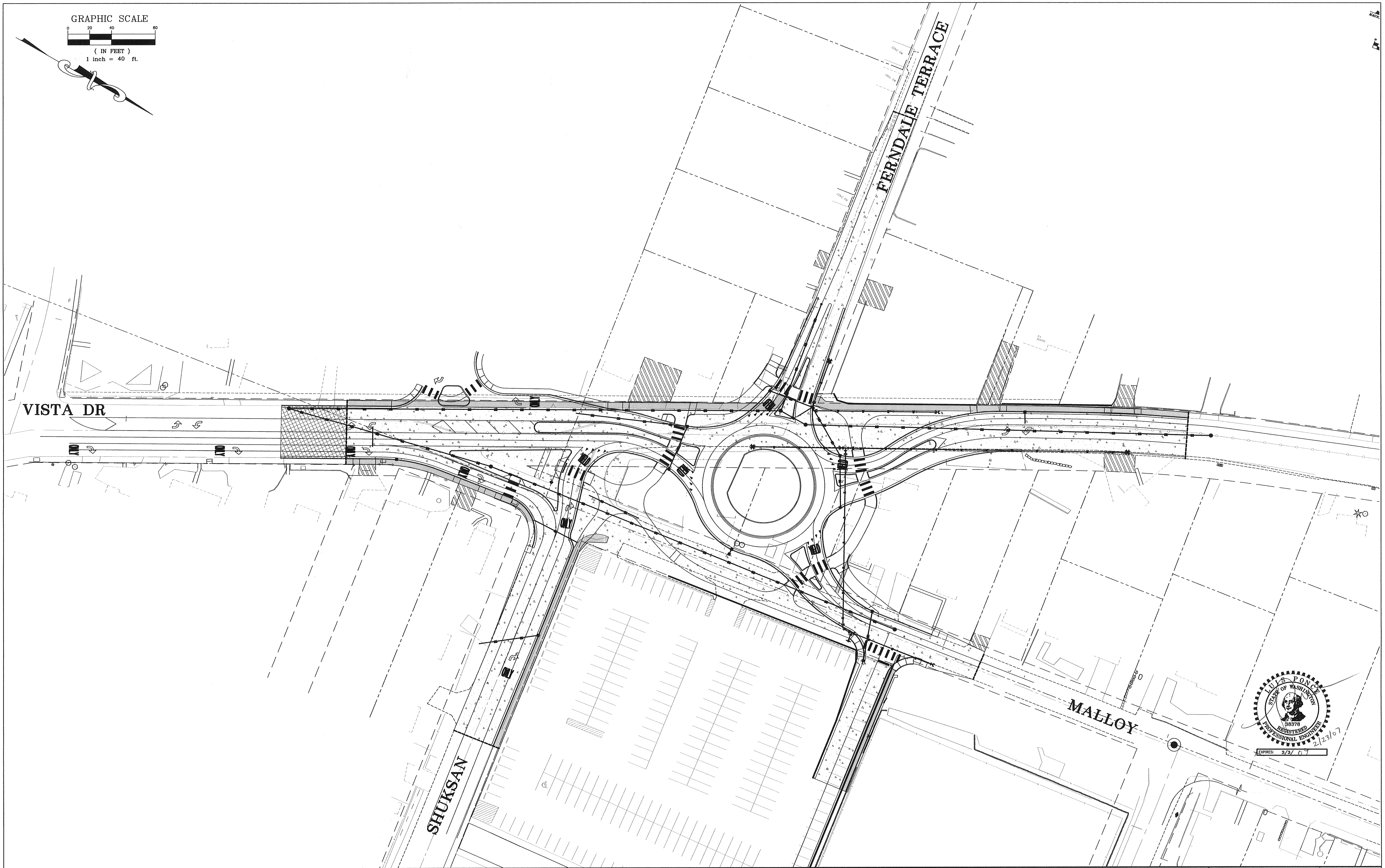
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2095 MAIN STREET
FERNDAL, WASHINGTON 98248

VISTA AND MALLOY ROUNDABOUT
TRAFFIC CONTROL PLAN

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SCALE
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3 of 24



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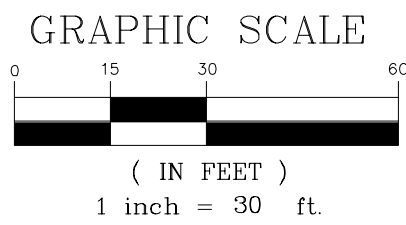
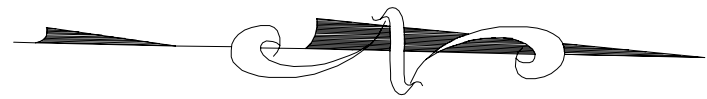
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VISTA AND MALLOY ROUNDABOUT
DEMOLITION PLAN

JOB# / DWG
02008 SP3
SCALE
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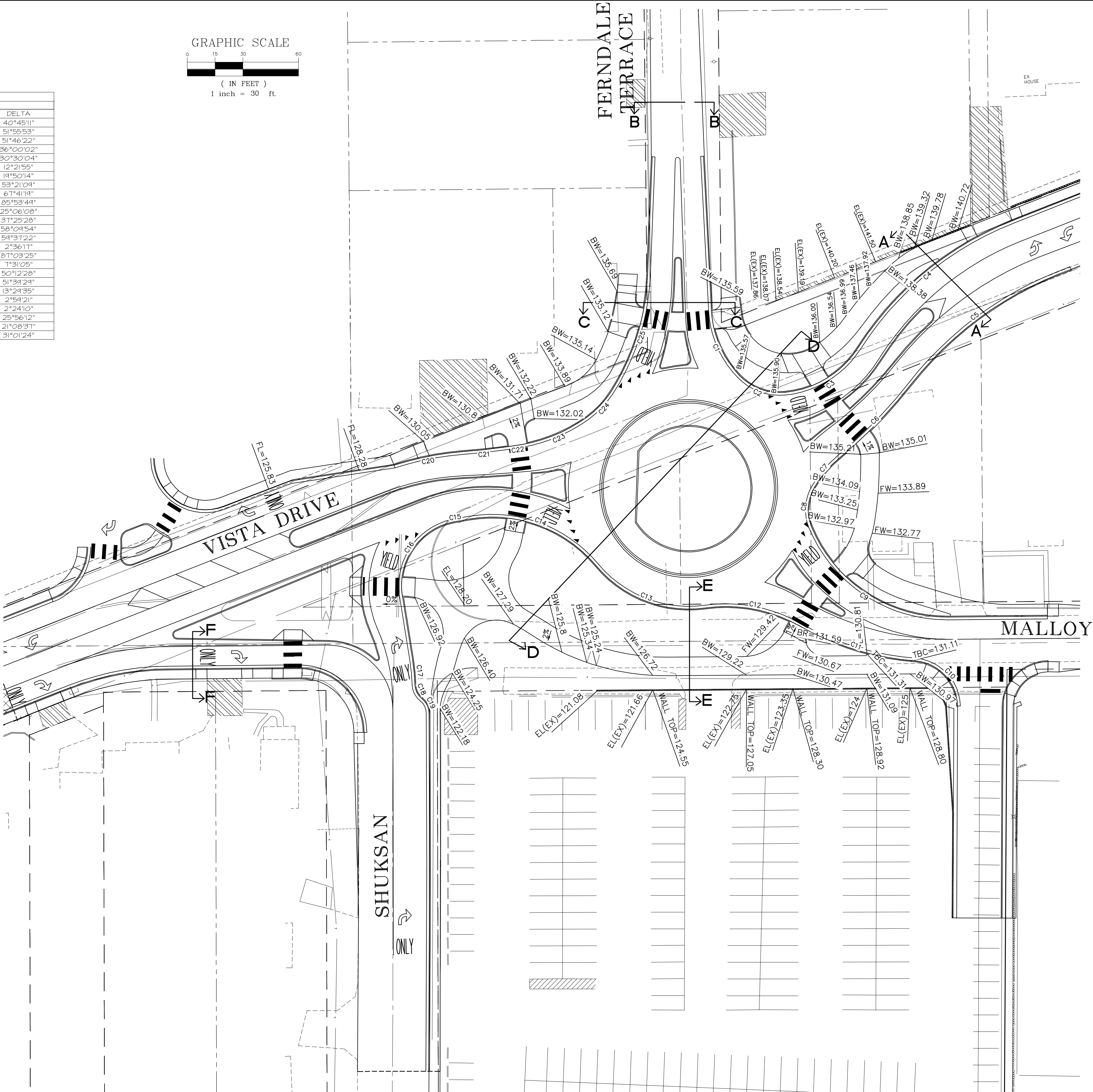
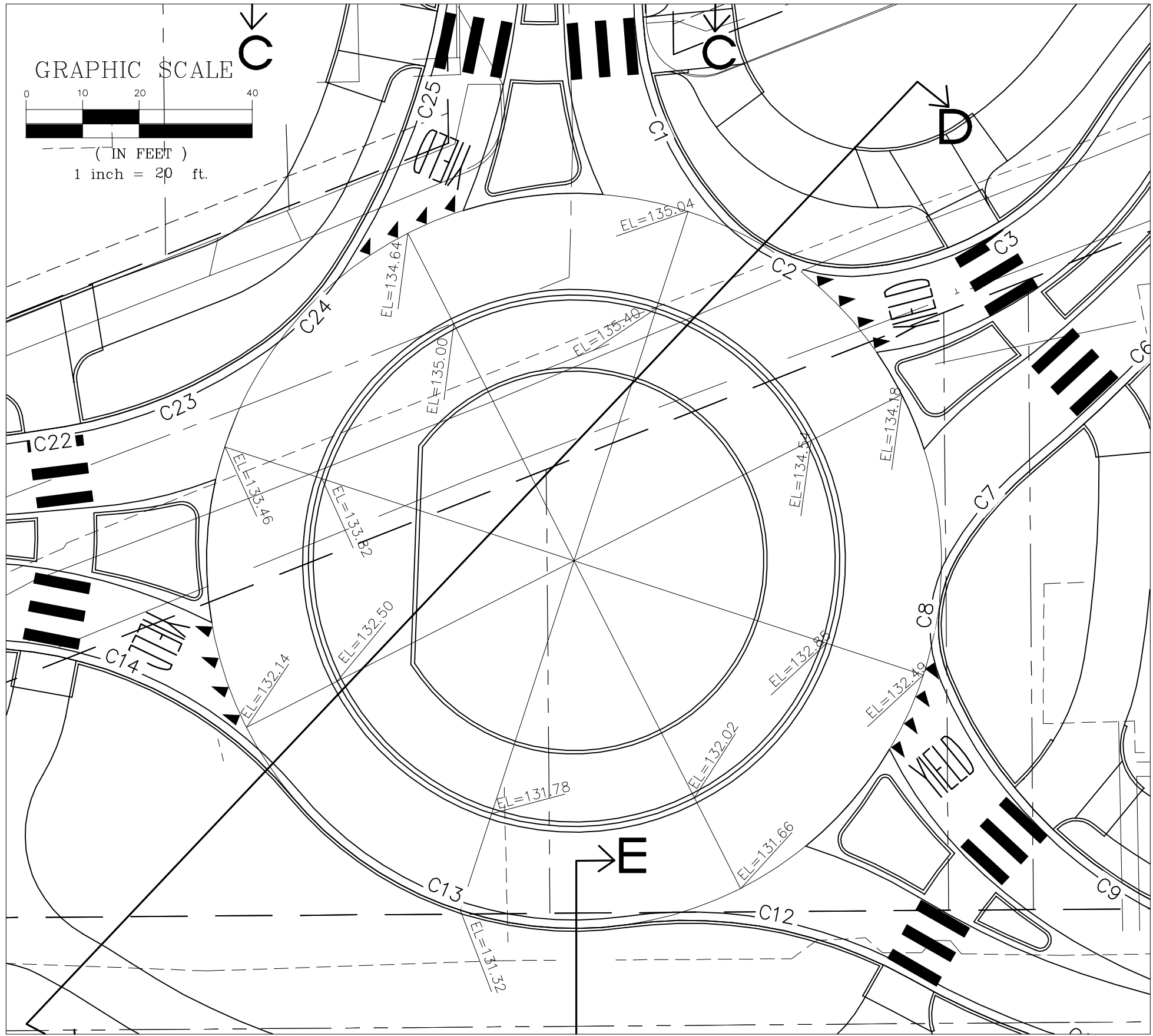
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4 of 24



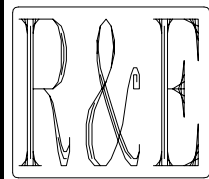
CURVE TABLE											
CURVE	BEGIN STATION	OFFSET	FLOWLINE ELEVATION			END STATION	OFFSET	LENGTH	RADIUS	DELTA	
			BEGIN	MID	END						
C1	N FDALE TERR RNDABT 4+24.62	7.40'L	134.78	134.75	**	N FDALE TERR RNDABT 4+69.99	9.20'L	34.12	55.00	40°45'11"	
C2	N FDALE TERR RNDABT 4+69.99	9.20'L	**	**	**	N FDALE TERR RNDABT 4+94.29	17.50'L	21.19	30.00	51°55'53"	
C3	N FDALE TERR RNDABT 4+94.29	17.50'L	**	**	**	N VISTA RNDABT 2+16.94	6.50'R	47.84	53.00	51°46'22"	
C4	N VISTA RNDABT 2+16.94	6.50'R	135.80	135.44	142.04	N VISTA RNDABT 2+71.58	6.5'R	104.33	174.00	36°00'02"	
C5	N VISTA E RNDABT 4+76.53	6.39'L	142.59	138.89	135.84	N VISTA E RNDABT 5+81.63	7.42'L	101.15	190.00	30°30'04"	
C6	N VISTA E RNDABT 5+81.63	7.42'L	135.84	134.93	133.99	N VISTA E RNDABT 6+35.51	7.43'L	55.46	237.00	12°21'55"	
C7	N VISTA E RNDABT 6+35.51	7.43'L	133.99	133.61	**	N VISTA E RNDABT 6+59.16	8.00'L	20.11	60.00	19°50'14"	
C8	N VISTA E RNDABT 6+59.16	8.00'L	**	**	**	N VISTA E RNDABT 6+82.08	13.48'L	22.35	24.00	53°21'09"	
C9	MALLOY RNDABT 22+58.21	8.07'R	**	**	**	MALLOY RNDABT 21+56.83	6.50'R	93.33	74.00	67°41'19"	
C10	MALLOY E RNDABT 4+46.12	30.64'L	130.15	130.44	130.62	MALLOY E RNDABT 4+68.35	6.44'L	37.48	25.00	85°53'44"	
C11	MALLOY E RNDABT 4+68.35	6.44'L	130.62	130.93	131.35	MALLOY E RNDABT 5+31.23	6.97'L	65.72	150.00	25°06'08"	
C12	MALLOY E RNDABT 5+31.23	6.97'L	131.35	131.52	**	MALLOY E RNDABT 5+89.24	9.00'L	52.25	80.00	37°25'28"	
C13	MALLOY E RNDABT 5+89.24	9.00'L	**	**	**	SHUCKSAN RNDABT 13+06.80	9.00'R	65.99	65.00	58°09'54"	
C14	SHUCKSAN RNDABT 13+06.80	9.00'R	**	**	**	SHUCKSAN RNDABT 12+23.73	8.15'R	75.96	73.00	54°37'22"	
C15	S VISTA RNDABT 6+44.51	8.48'R	130.31	130.21	130.01	S VISTA RNDABT 6+39.31	8.71'R	4.77	105.00	2°36'11"	
C16	S VISTA RNDABT 6+39.31	8.71'R	130.01	128.80	126.22	SHUCKSAN RNDABT 11+45.76	8.99'R	53.18	35.00	87°03'25"	
C17	SHUCKSAN RNDABT 11+45.76	8.99'R	123.59	123.10	122.63	SHUCKSAN RNDABT 10+47.51	5.39'R	13.12	100.00	7°51'05"	
C18	SHUCKSAN RNDABT 10+47.51	5.39'R	122.63	122.30	121.97	SHUCKSAN RNDABT 10+89.29	7.49'R	8.76	10.00	50°12'28"	
C19	SHUCKSAN RNDABT 10+89.29	7.49'R	121.97	121.71	121.43	SHUCKSAN RNDABT 10+82.99	10.56'R	9.02	10.00	51°39'29"	
C20	S VISTA W RNDABT 12+20.14	6.41'L	128.92	129.74	130.56	S VISTA W RNDABT 12+56.79	6.85'L	37.68	160.00	13°24'35"	
C21	S VISTA W RNDABT 12+56.79	6.85'L	130.56	131.06	131.57	S VISTA W RNDABT 12+79.78	7.84'L	22.69	435.00	2°59'21"	
C22	S VISTA W RNDABT 12+79.78	7.84'L	131.57	131.79	131.99	S VISTA W RNDABT 12+89.57	8.40'L	9.65	230.00	2°24'10"	
C23	S VISTA W RNDABT 12+89.57	8.40'L	131.99	132.89	**	S VISTA W RNDABT 13+32.57	7.97'L	38.48	85.00	25°56'12"	
C24	S VISTA W RNDABT 13+32.57	7.97'L	**	**	**	S VISTA W RNDABT 13+51.21	10.97'L	18.45	50.00	21°08'37"	
C25	S VISTA W RNDABT 13+51.21	10.97'L	**	**	**	FDALE TERR RNDABT 16+13.69	7.23'R	67.29	124.27	31°01'24"	

** SEE GRADING PLAN

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1
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3-9-07
DATE

ADDENDUM 2, GRADING

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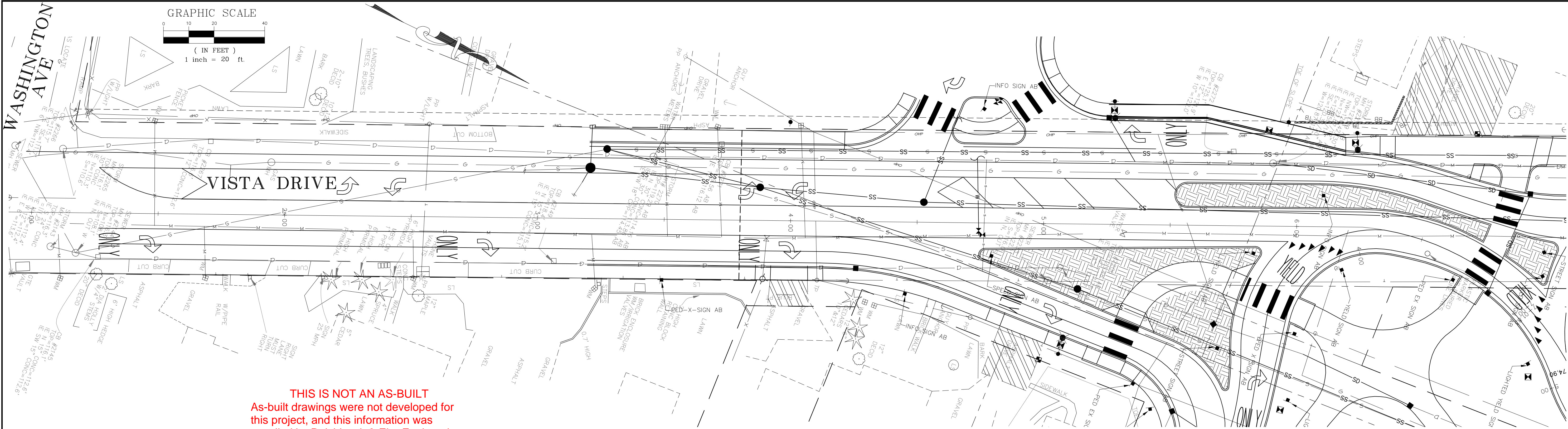
VISTA AND MALLOY ROUNDABOUT
GRADING PLAN

JOB# / DWG
02008 SP3.GR
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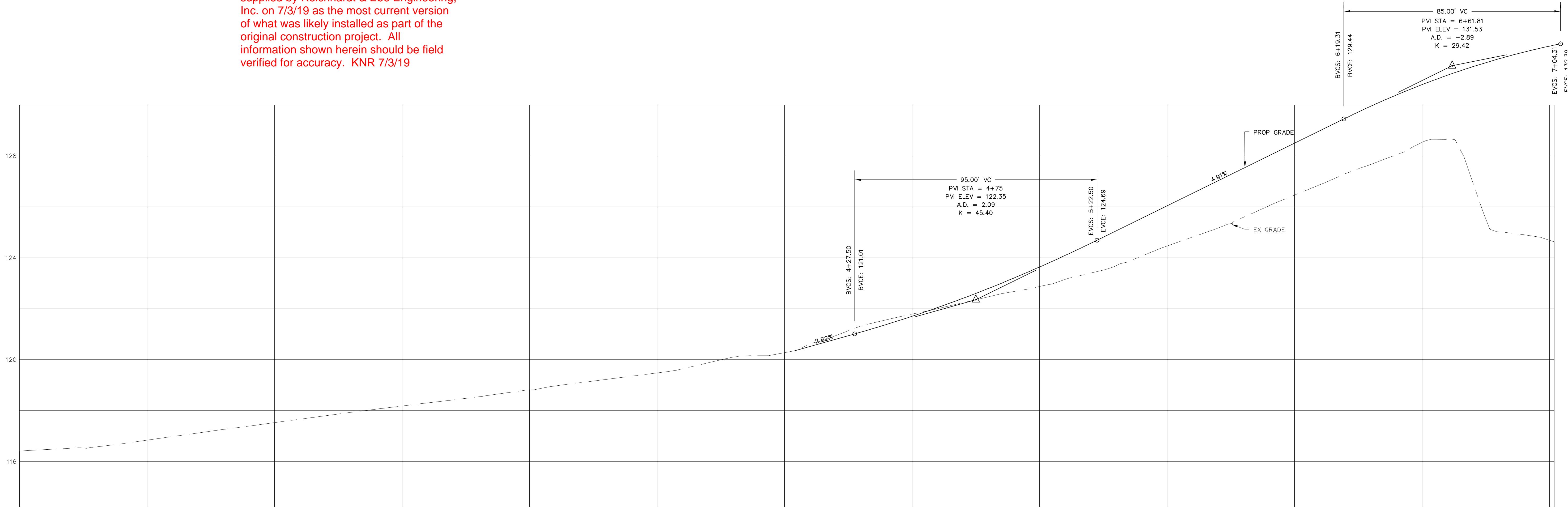
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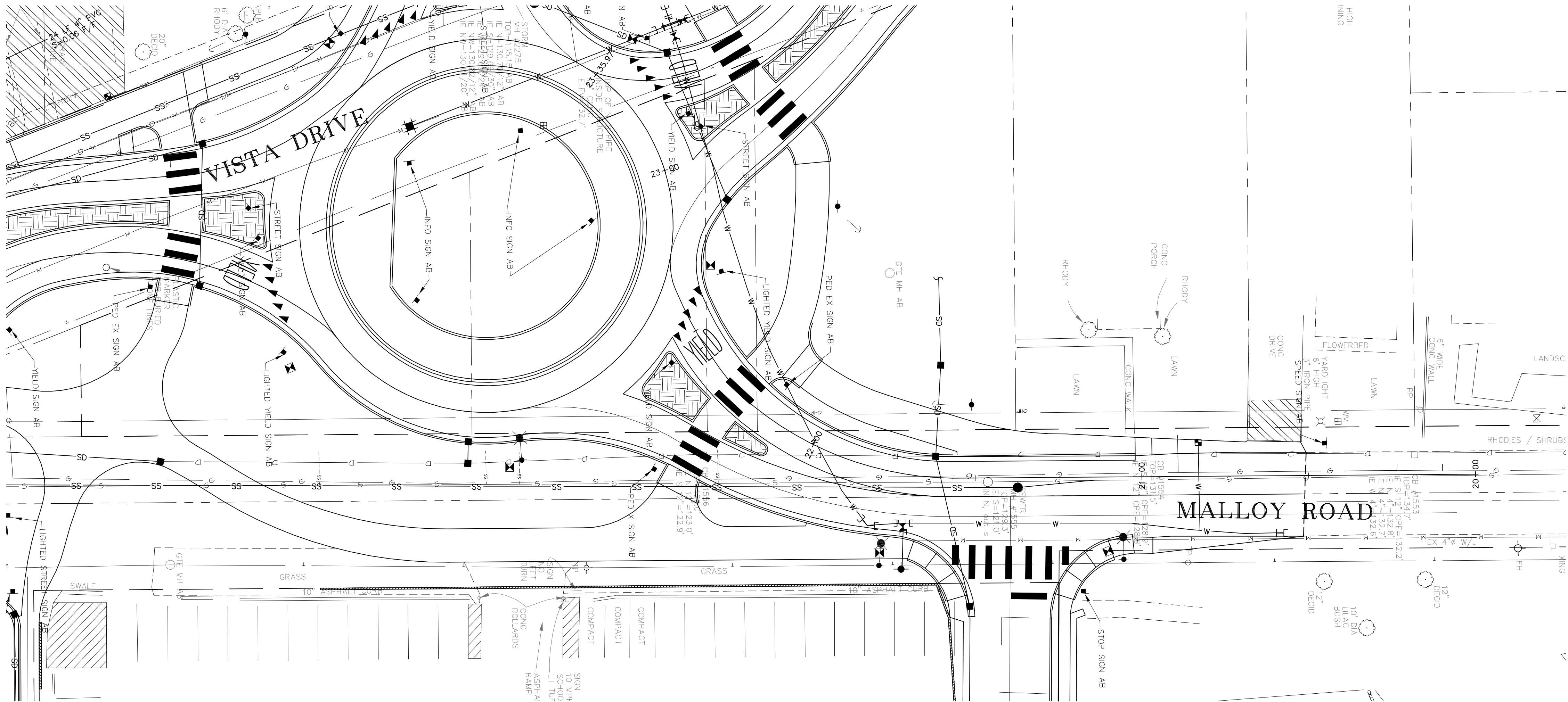
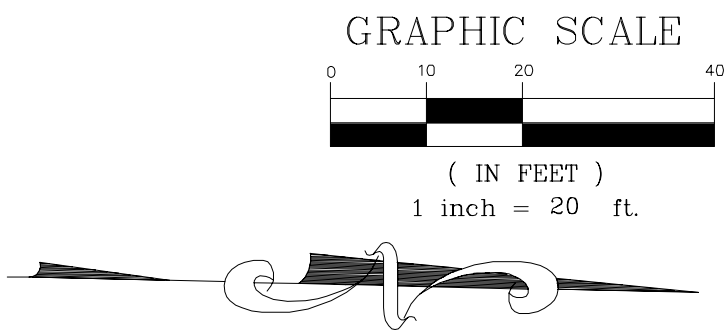
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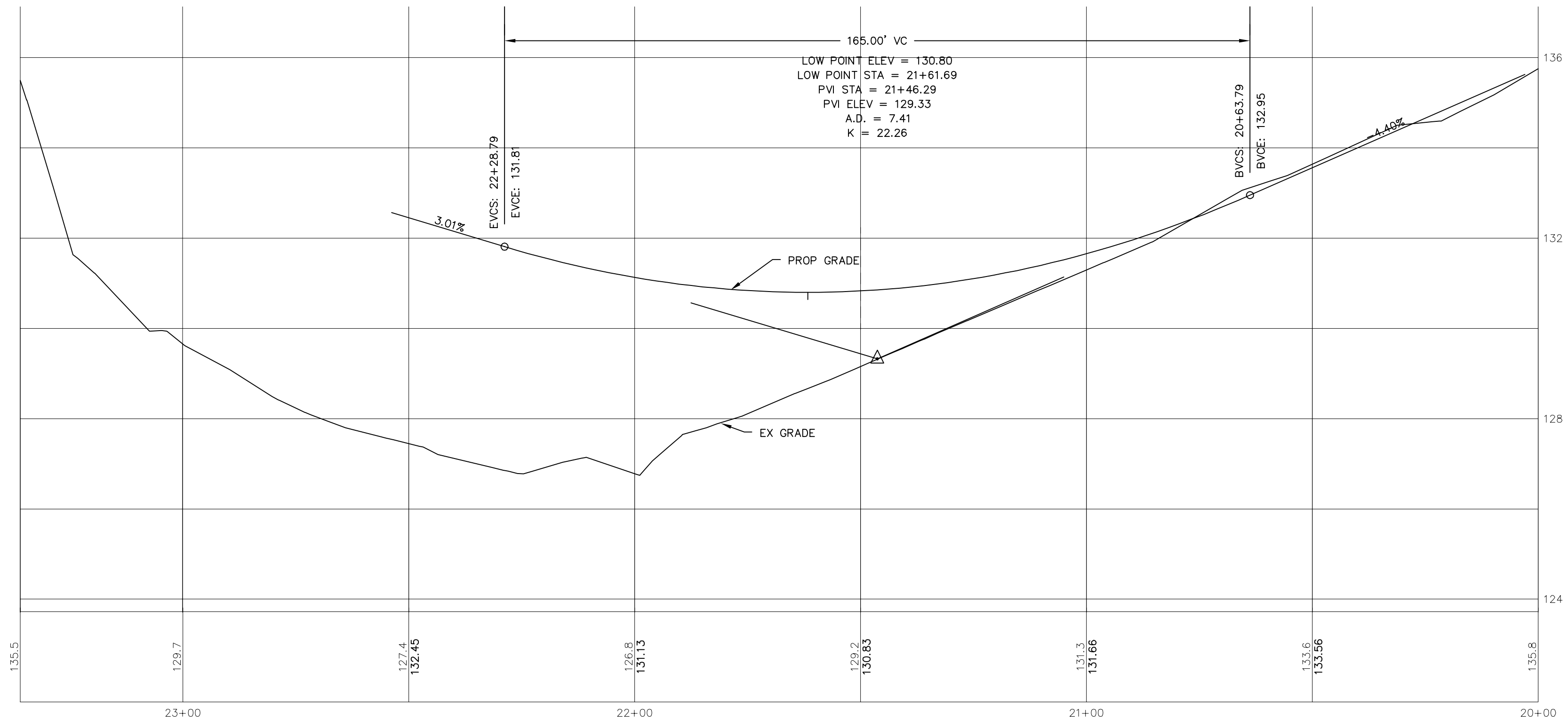


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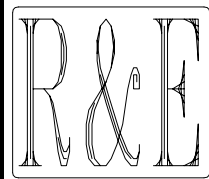




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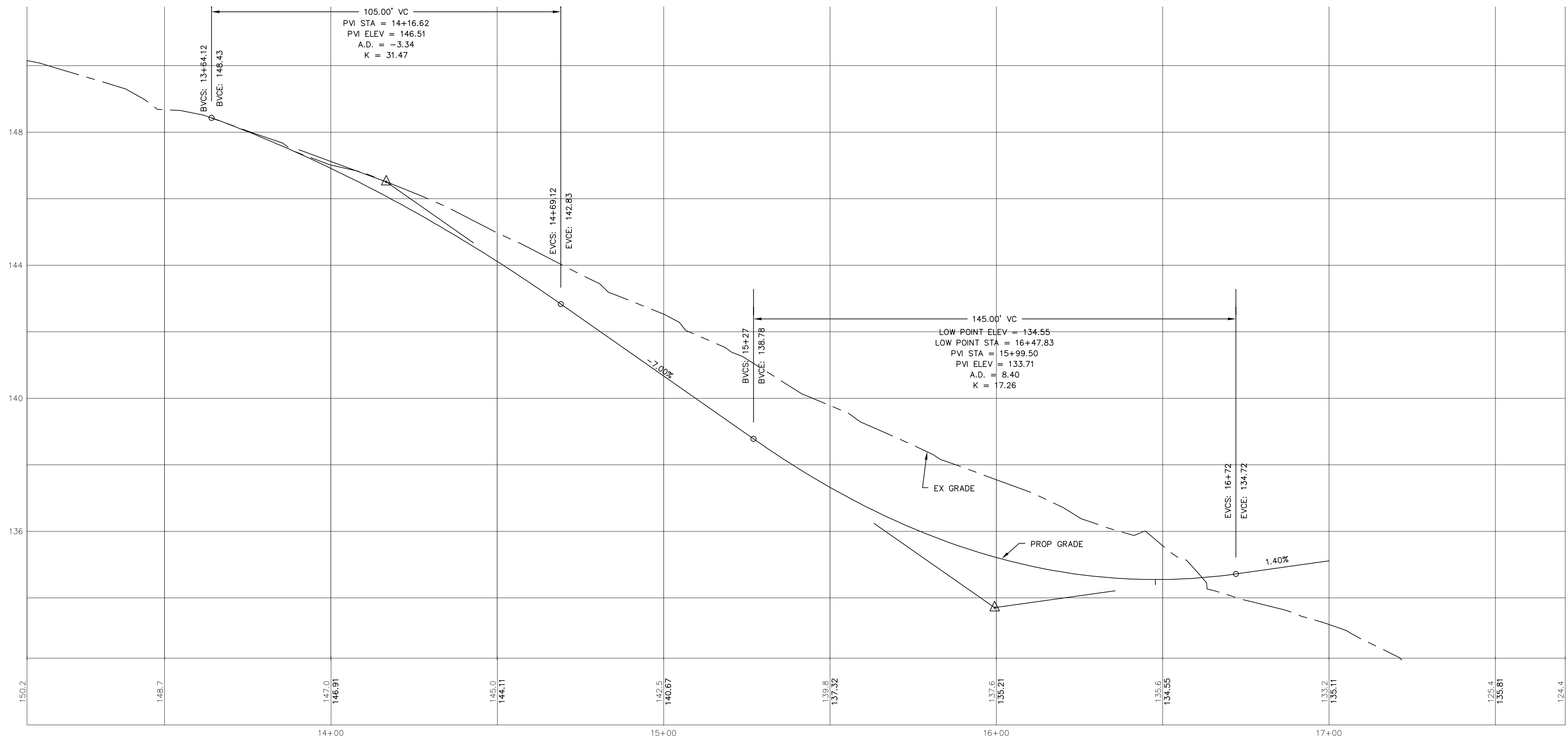
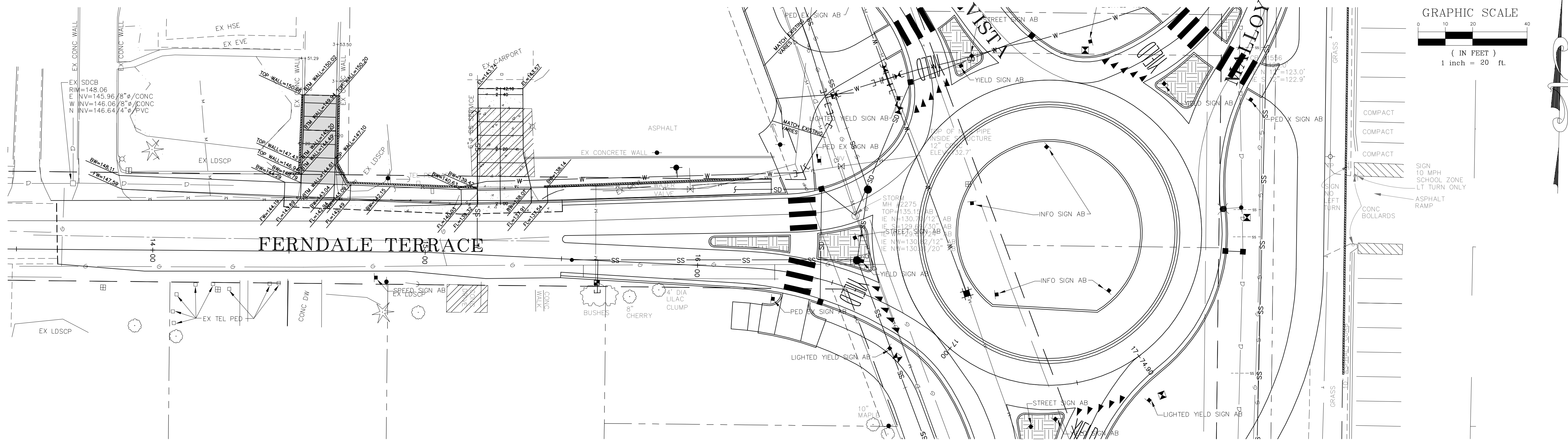
VISTA AND MALLOY ROUNDABOUT
MALLOY ROAD

JOB# / DWG
02008 SP3.AB
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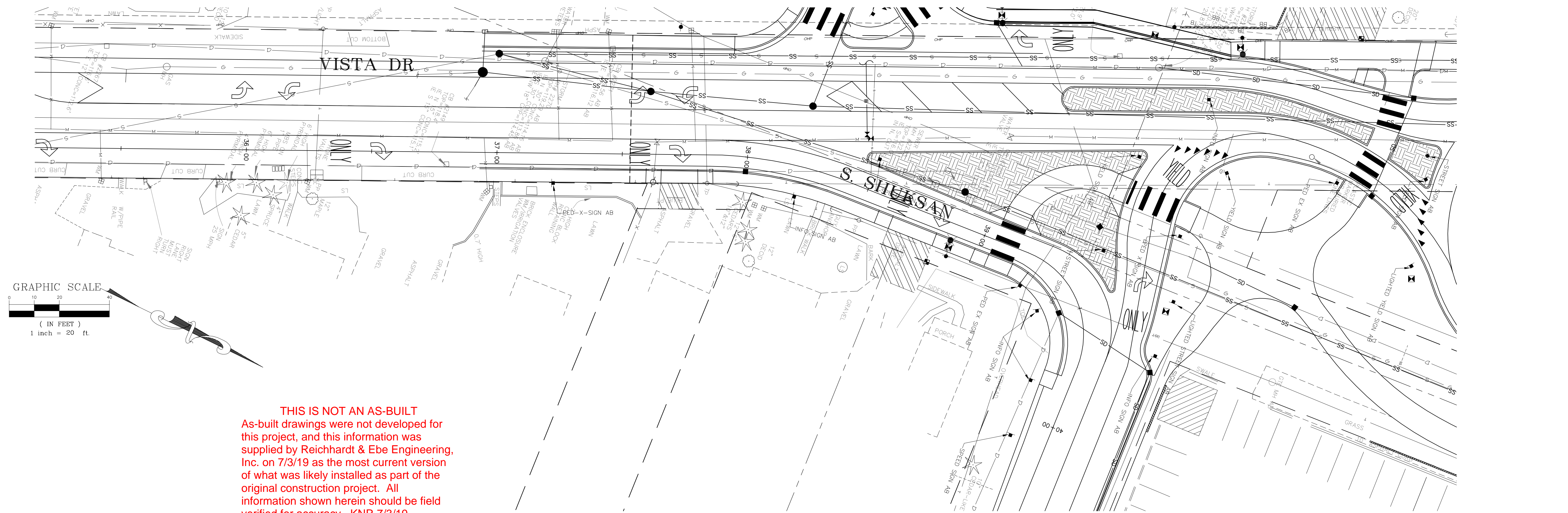
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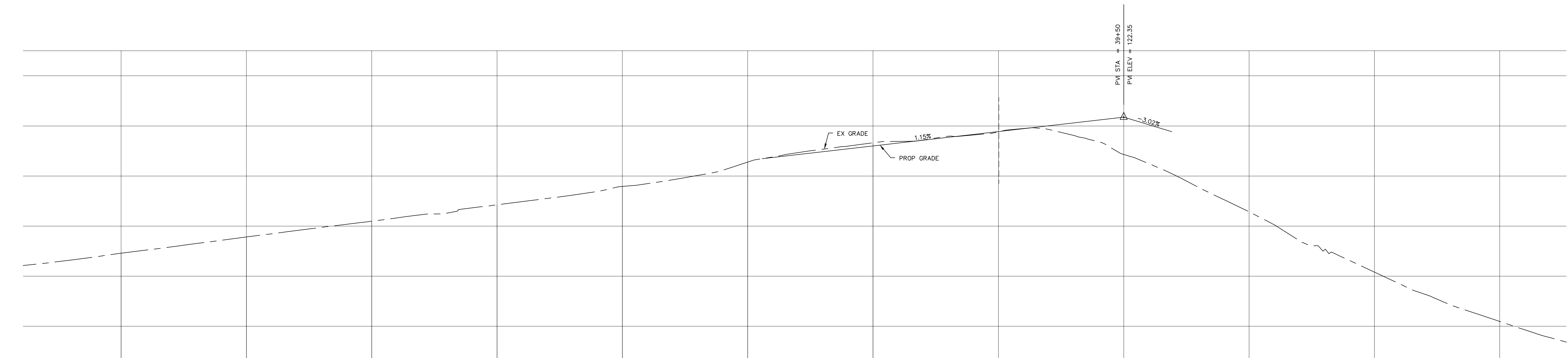
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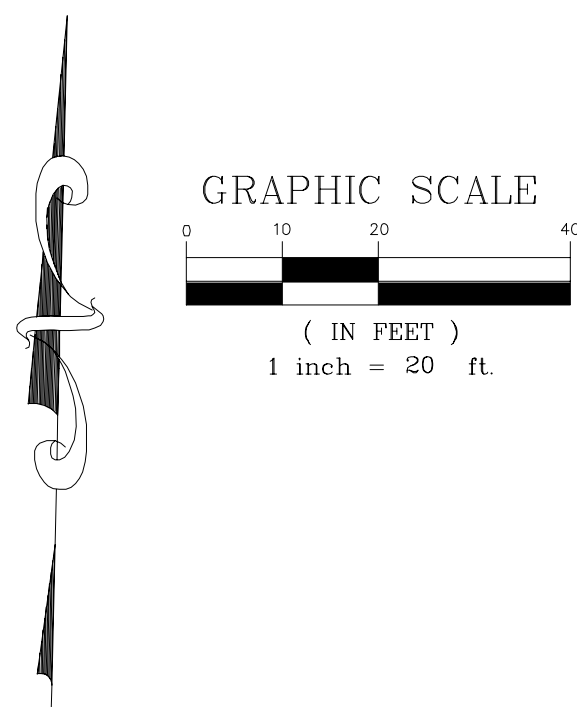


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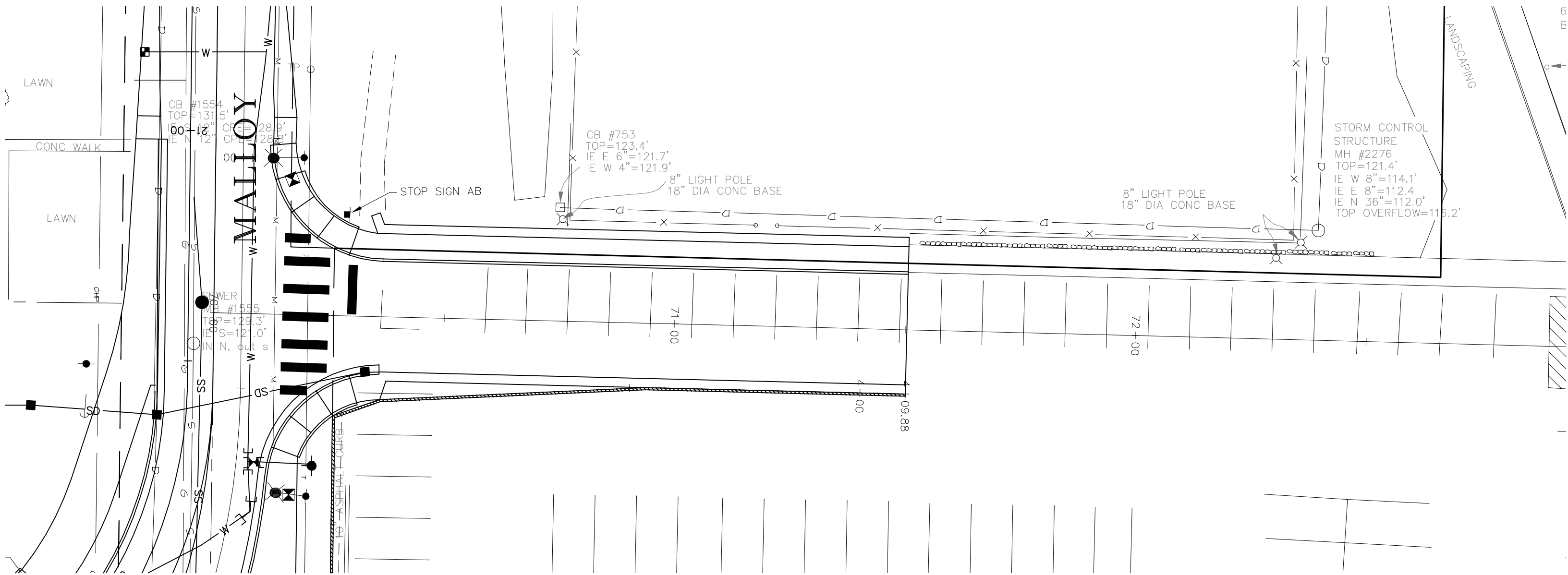


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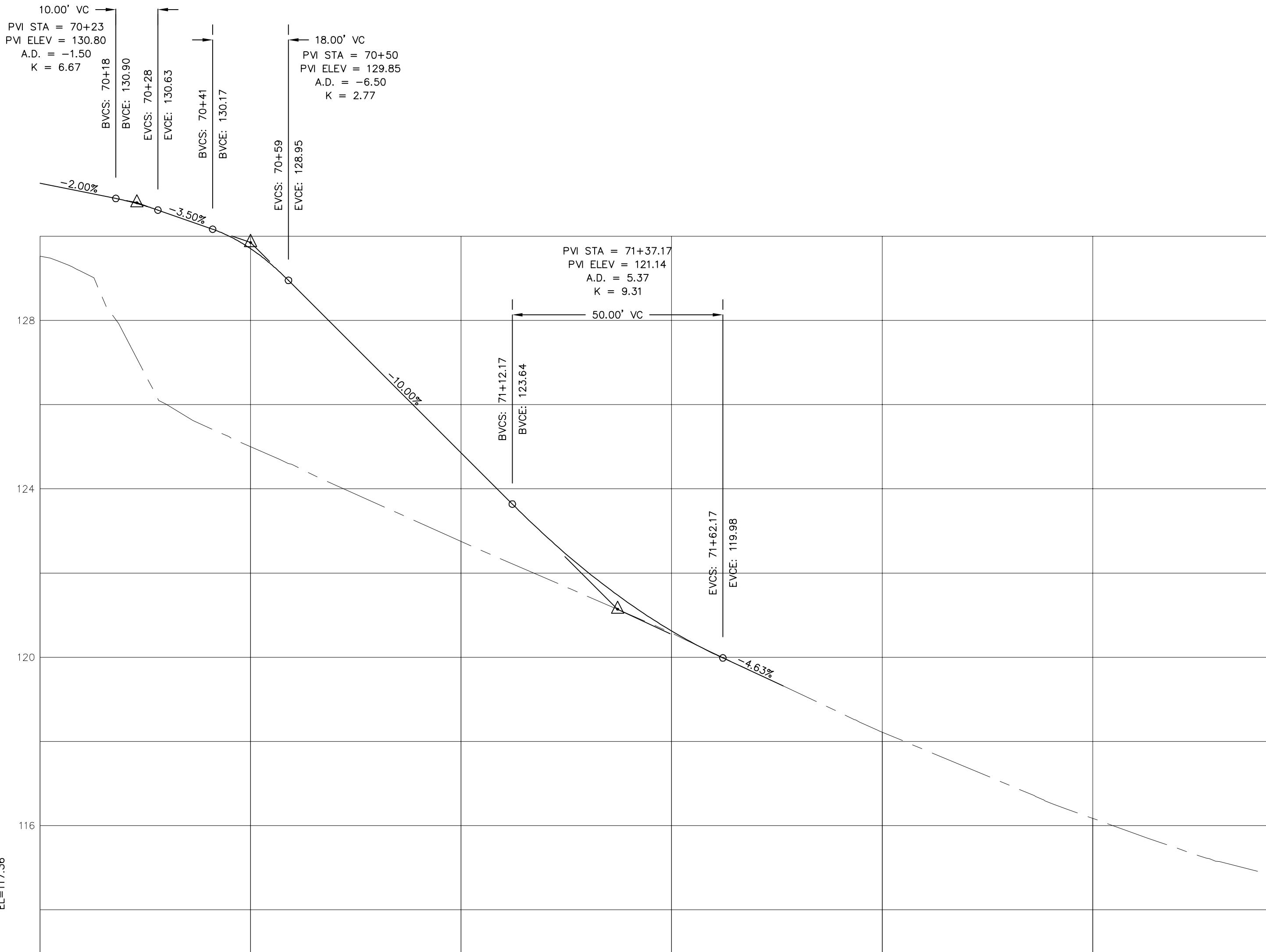
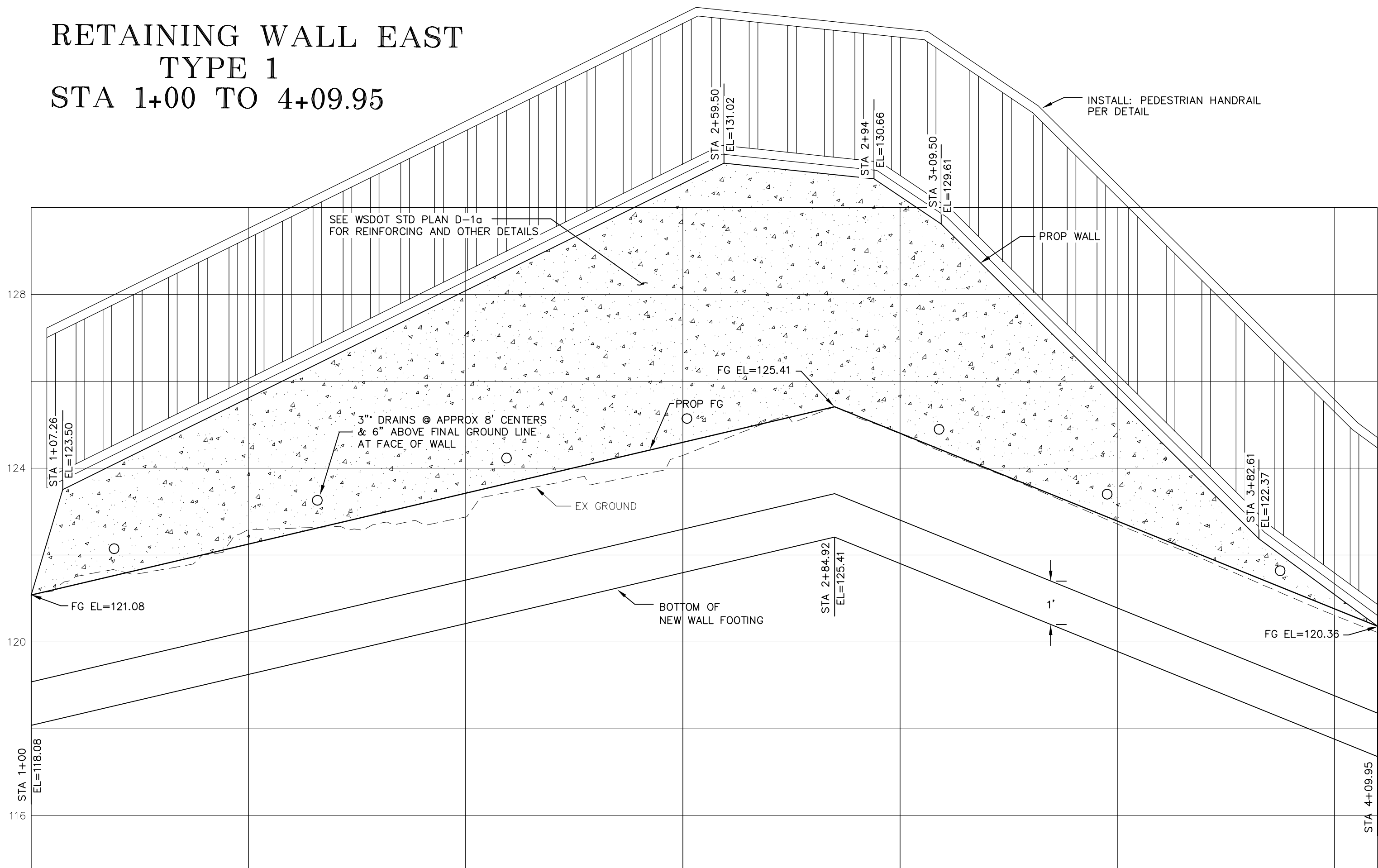




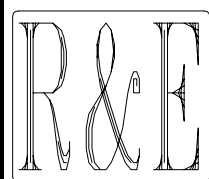
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RETAINING WALL EAST
TYPE 1
STA 1+00 TO 4+09.95



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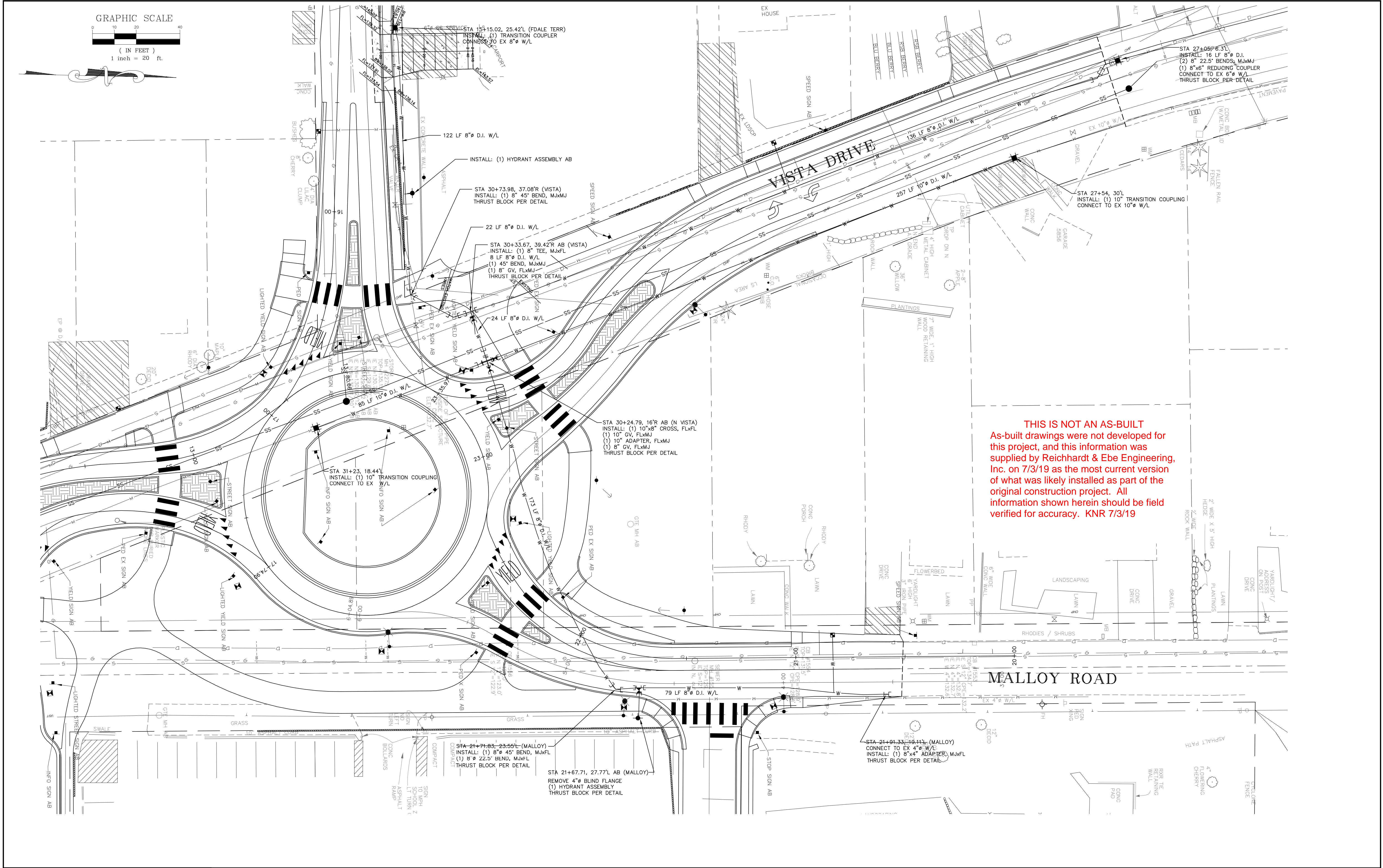
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2095 MAIN STREET
FERNDAL, WASHINGTON 98248

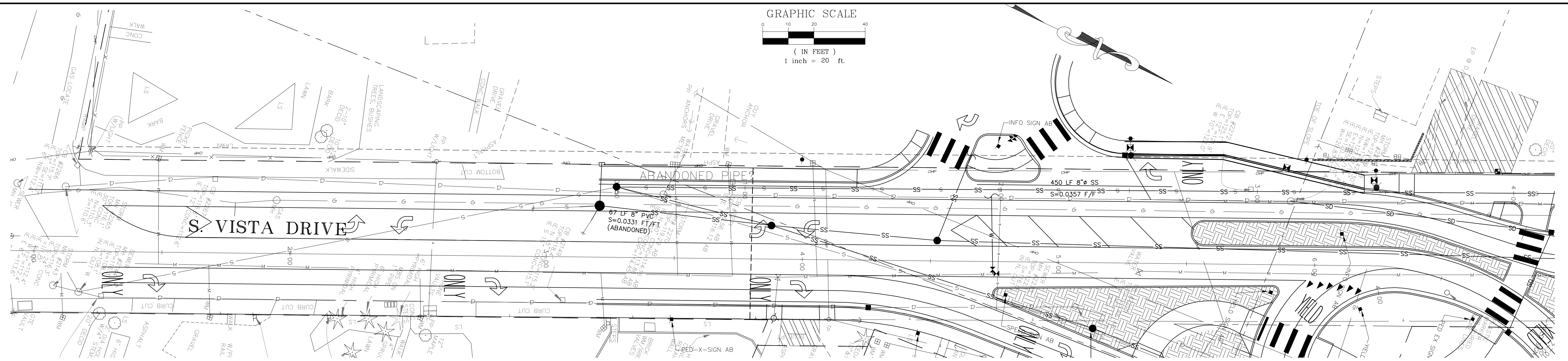
VISTA AND MALLOY ROUNDABOUT
BUS DRIVE

JOB# / DWG
02008 SP3.AB
SCALE
H: 1" = 20' V: 1" = 2'

DATE
SHEET
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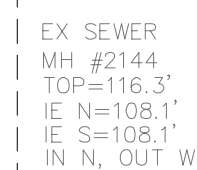


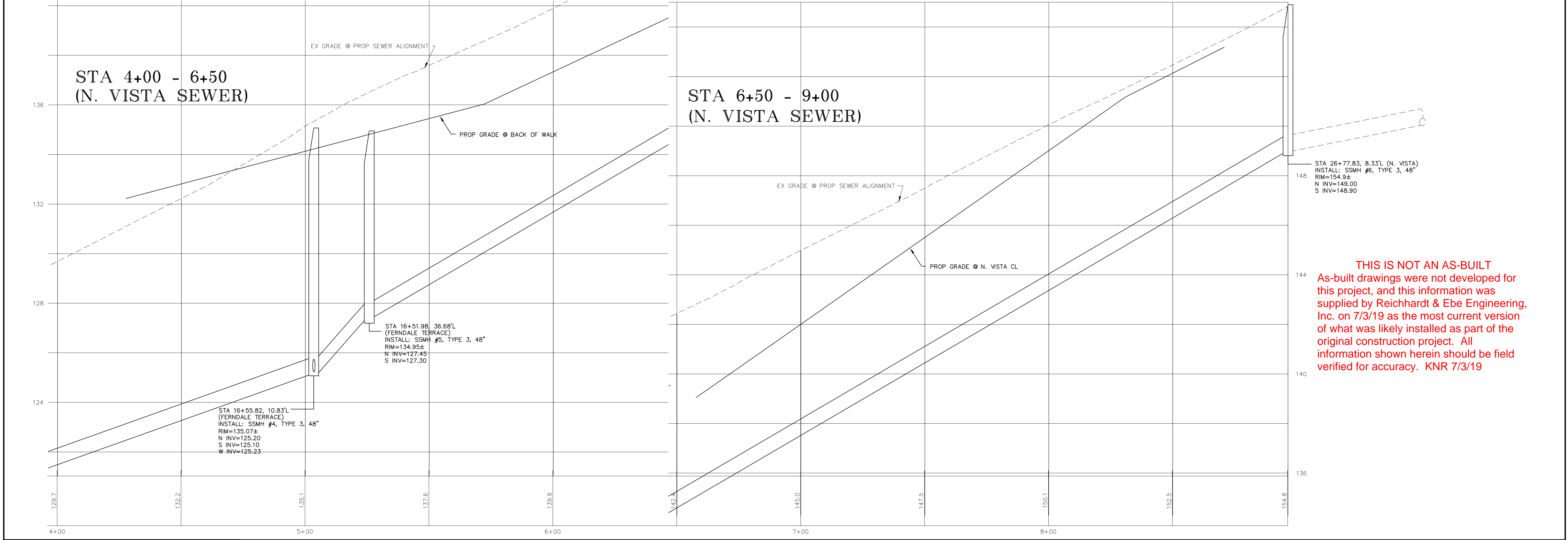
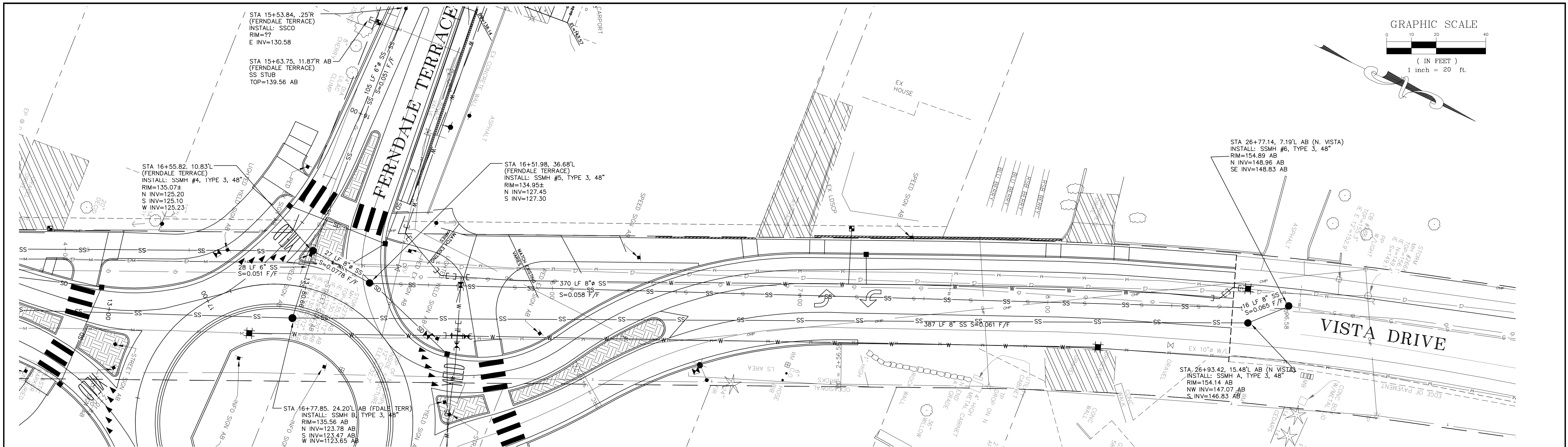
	DESIGNED BY LP	 <div>REICHHARDT & EBE ENGINEERING, INC. CONSULTING ENGINEERS</div> <div>PO Box 978 423 Front St., Ste 201 Ph (360) 354-3687 Lynden, Washington 98264 Fax (360) 354-0407</div>					CITY OF FERNDAL 2095 MAIN STREET FERNDAL, WASHINGTON 98248	VISTA AND MALLOY ROUNDABOUT WATERMAIN IMPROVEMENTS	JOB# / DWG 02008 SP3.AB	DATE
	DRAWN BY LMC								SCALE H: 1"=20' V: N/A	SHEET
	CHECKED BY		NO.	DATE	REVISION	BY			13 of 24	



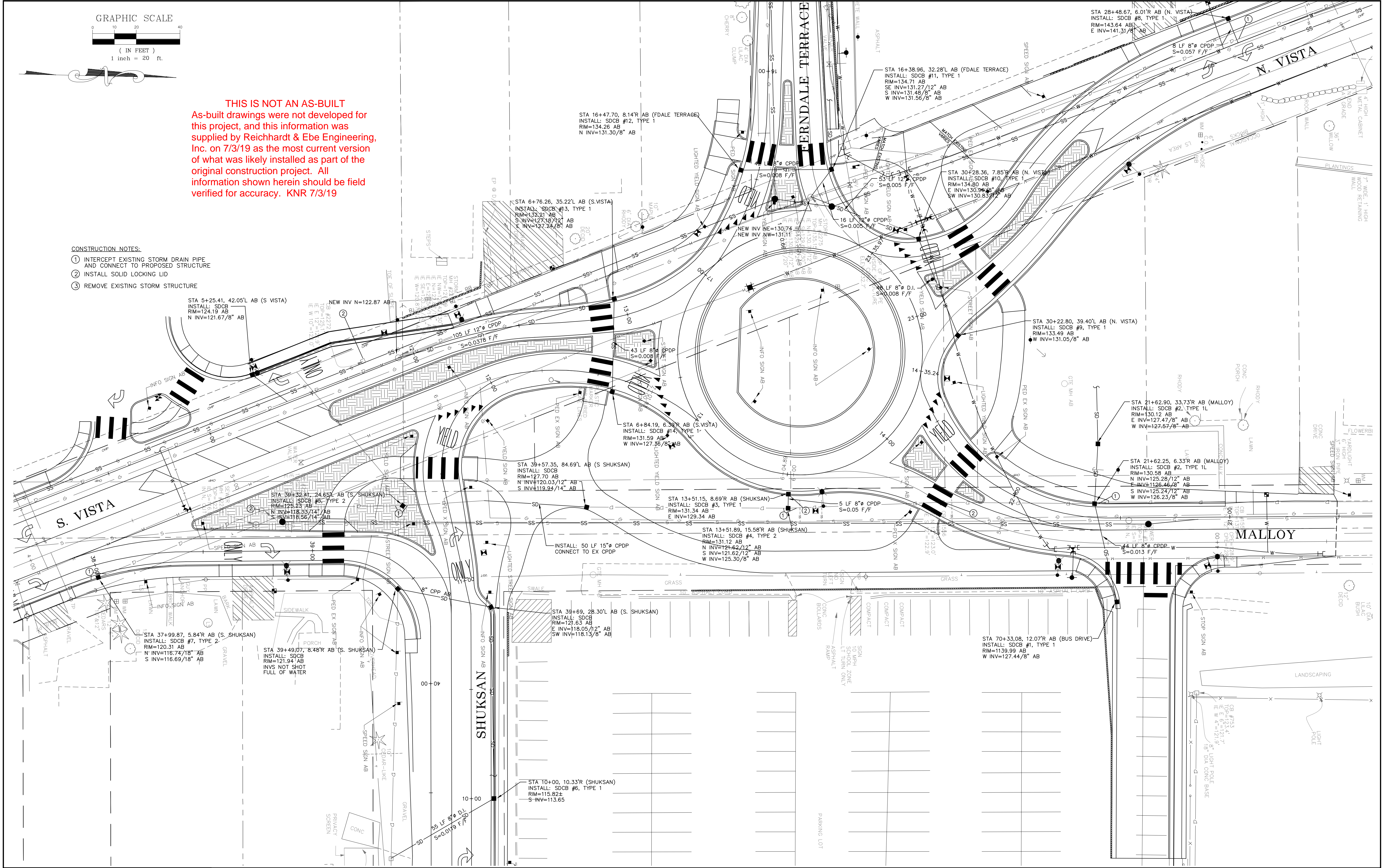
STA 3+20.65, 20.06'L AB (S. VISTA)
INSTALL: SSMH #1A, TYPE 3, 48"
RIM=119.05 AB
N INV (IN)=108.89/8"/AB
S INV (OUT)=108.89/8"/AB
SE INV (OUT)=108.89/6"/AB

STA 3+27.32, 27.42'L (S. VISTA)
INSTALL: SSMH #1, TYPE 3, 48"
RIM=118.8±
N INV=109.05
S INV=108.90
NE INV=109.05
(ABANDON)





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CONSTRUCTION NOTES:

- 1 INTERCEPT EXISTING STORM DRAIN PIPE
AND CONNECT TO PROPOSED STRUCTURE
- 2 INSTALL SOLID LOCKING LID
- 3 REMOVE EXISTING STORM STRUCTURE

STA 5+25.41, 42.05'L AB (S VISTA)
INSTALL: SDCB
RIM=124.19 AB
N INV=121.67/8" AB

NEW INV N=122.87 AB

STA 39+32.41, 24.65'L AB (S. SHUKSAN)
INSTALL: SDCB #5, TYPE 2
RIM=125.23 AB
N INV=118.35/14" AB
S INV=118.56/14" AB

STA 37+99.87, 5.84'R AB (S. SHUKSAN)
INSTALL: SDCB #7, TYPE 2
RIM=120.31 AB
N INV=116.74/18" AB
S INV=116.69/18" AB

STA 39+49.07, 8.48'R AB (S. SHUKSAN)
INSTALL: SDCB
RIM=121.94 AB
INVS NOT SHOT
FULL OF WATER

STA 39+69, 28.30'L AB (S. SHUKSAN)
INSTALL: SDCB
RIM=121.63 AB
E INV=118.05/12" AB
SW INV=118.13/8" AB

STA 10+00, 10.33'R (SHUKSAN)
INSTALL: SDCB #6, TYPE 1
RIM=115.82 AB
S INV=113.65

STA 16+47.70, 8.14'R AB (FDALIE TERRACE)
INSTALL: SDCB #12, TYPE 1
RIM=134.26 AB
N INV=131.30/8" AB

STA 6+76.26, 35.22'L AB (S.VISTA)
INSTALL: SDCB #13, TYPE 1
RIM=132.21 AB
S INV=127.18/12" AB
E INV=127.24/8" AB

STA 6+84.19, 6.38'R AB (S.VISTA)
INSTALL: SDCB #14, TYPE 1
RIM=131.59 AB
W INV=127.36/8" AB

STA 39+57.35, 84.69'L AB (S SHUKSAN)
INSTALL: SDCB
RIM=127.70 AB
N INV=120.03/12" AB
S INV=119.34/14" AB

STA 13+51.15, 8.69'R AB (SHUKSAN)
INSTALL: SDCB #3, TYPE 1
RIM=131.34 AB
E INV=129.34 AB

STA 13+51.89, 15.58'R AB (SHUKSAN)
INSTALL: SDCB #4, TYPE 2
RIM=131.12 AB
N INV=124.62/12" AB
S INV=121.62/12" AB
W INV=125.30/8" AB

STA 16+38.96, 32.28'L AB (FDALIE TERRACE)
INSTALL: SDCB #11, TYPE 1
RIM=134.71 AB
SE INV=131.27/12" AB
S INV=131.48/8" AB
W INV=131.56/8" AB

STA 30+28.36, 7.85'R AB (N. VISTA)
INSTALL: SDCB #10, TYPE 1
RIM=134.80 AB
E INV=130.96/8" AB
SW INV=130.83/12" AB

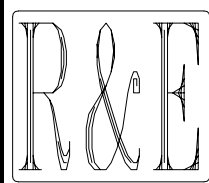
STA 30+22.80, 39.40'L AB (N. VISTA)
INSTALL: SDCB #9, TYPE 1
RIM=133.49 AB
W INV=131.05/8" AB

STA 21+62.90, 33.73'R AB (MALLOY)
INSTALL: SDCB #2, TYPE 1L
RIM=130.12 AB
E INV=127.47/8" AB
W INV=127.57/8" AB

STA 21+62.25, 6.33'R AB (MALLOY)
INSTALL: SDCB #2, TYPE 1L
RIM=130.58 AB
N INV=125.28/12" AB
E INV=126.46/8" AB
S INV=125.24/12" AB
W INV=126.23/8" AB

STA 70+33.08, 12.07'R AB (BUS DRIVE)
INSTALL: SDCB #1, TYPE 1
RIM=1139.99 AB
W INV=127.44/8" AB

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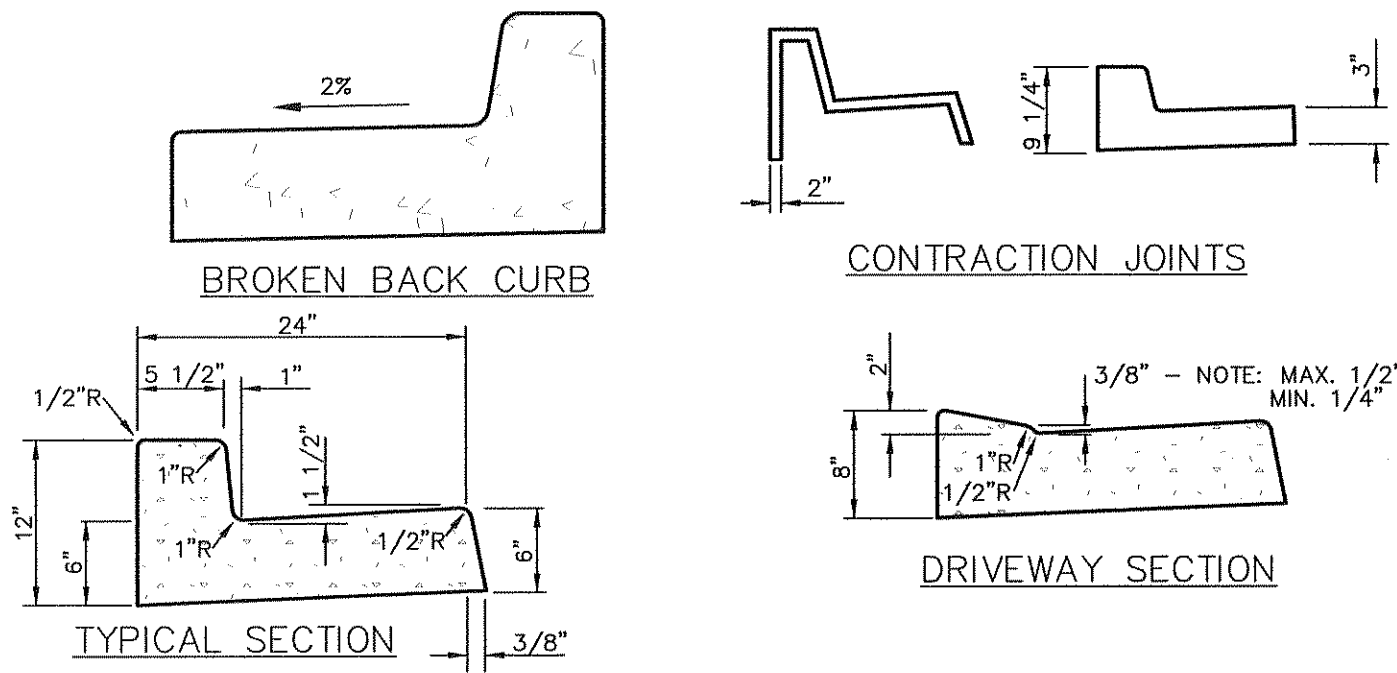
NO. DATE REVISION BY

CITY OF FERNDALE
2095 MAIN STREET
FERNDALE, WASHINGTON 98248

VISTA AND MALLOY ROUNDABOUT
STORM DRAIN IMPROVEMENTS

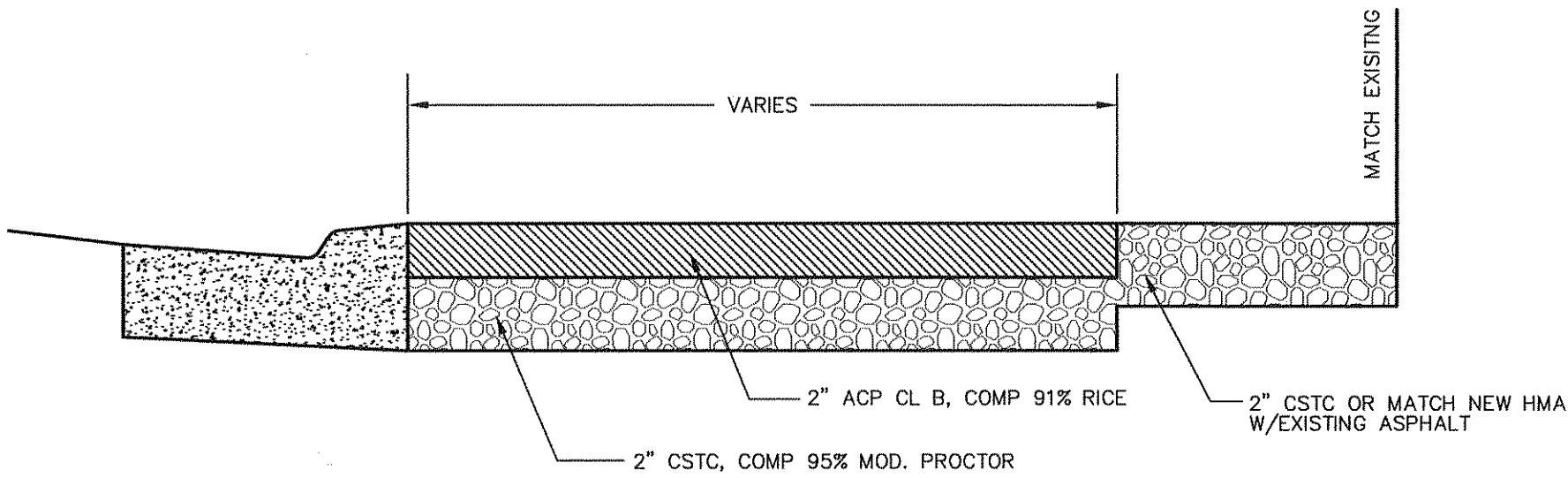
JOB# / DWG
02008 SP3.AB
SCALE
H: 1"=20' V: N/A

DATE
SHEET
17 of 24



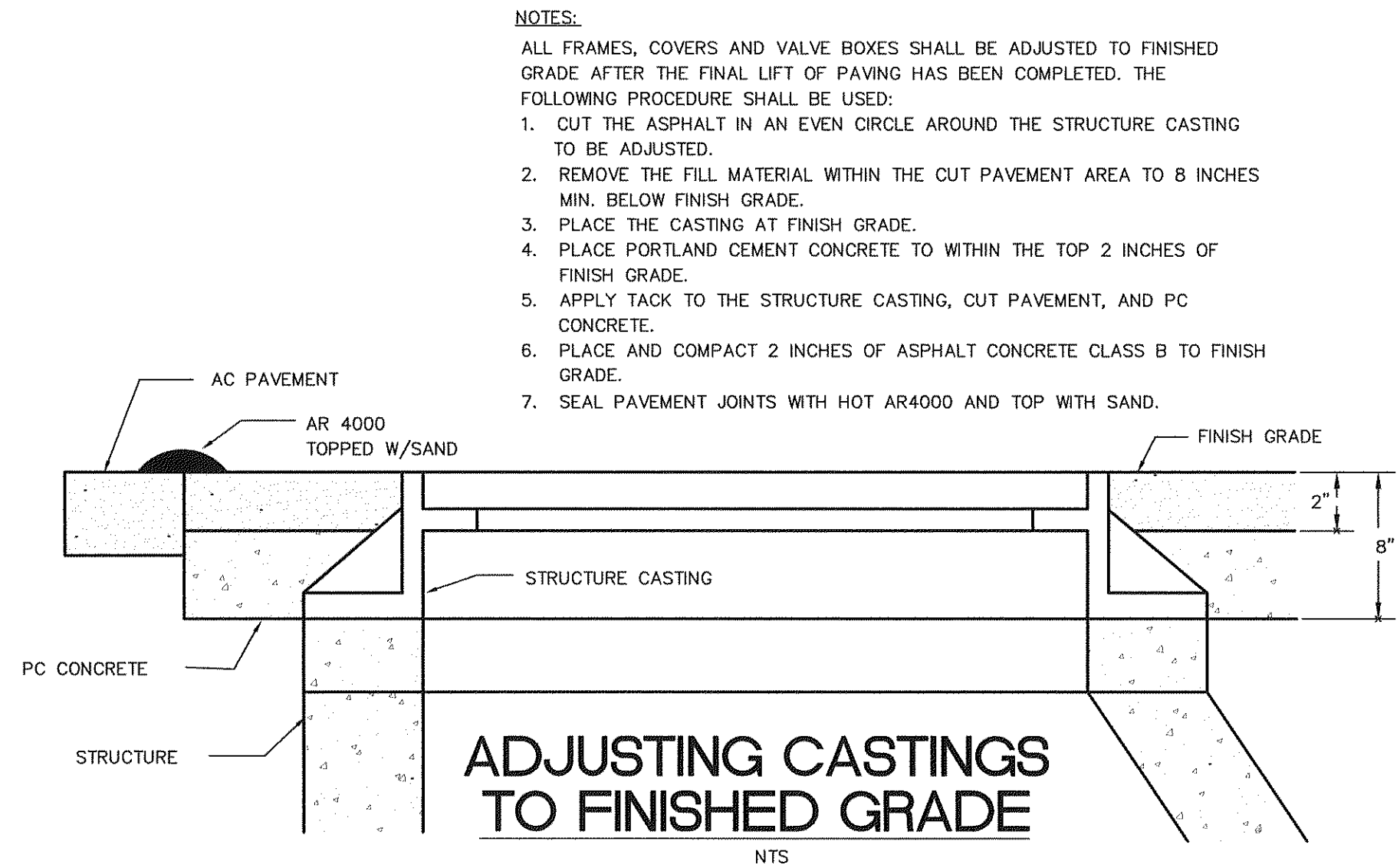
CURB AND GUTTER DETAILS

NTS



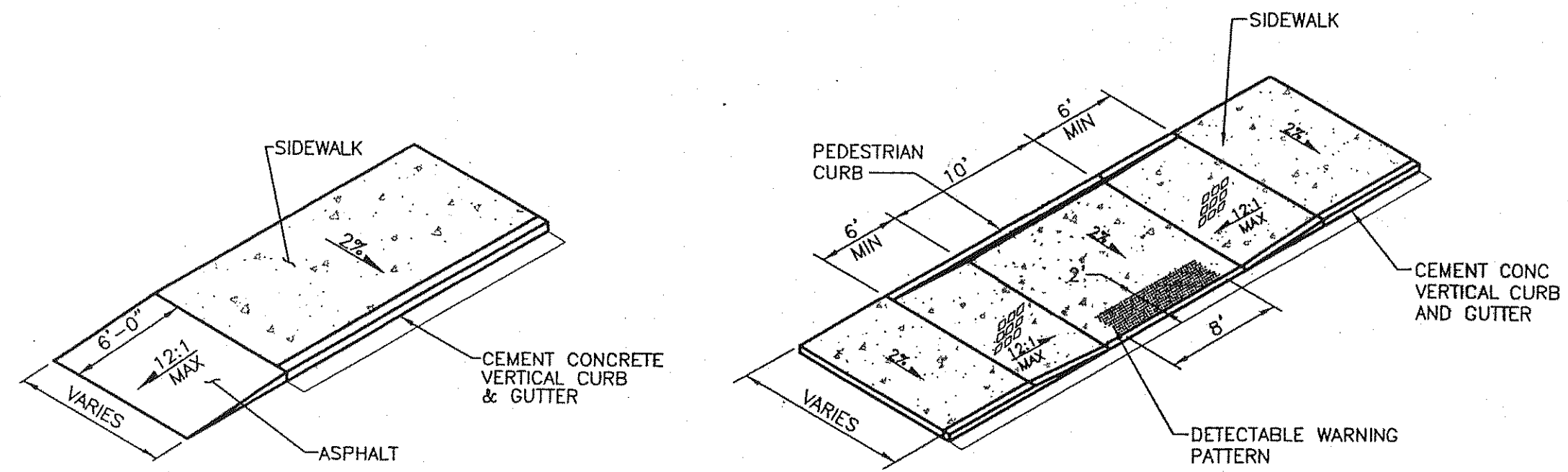
PROPOSED DRIVEWAY SECTION

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:
- CUT THE ASPHALT IN AN EVEN CIRCLE AROUND THE STRUCTURE CASTING TO BE ADJUSTED.
- REMOVE THE FILL MATERIAL WITHIN THE CUT PAVEMENT AREA TO 8 INCHES MIN. BELOW FINISH GRADE.
- PLACE THE CASTING AT FINISH GRADE.
- PLACE PORTLAND CEMENT CONCRETE TO WITHIN THE TOP 2 INCHES OF FINISH GRADE.
- APPLY TACK TO THE STRUCTURE CASTING, CUT PAVEMENT, AND PC CONCRETE.
- PLACE AND COMPACT 2 INCHES OF ASPHALT CONCRETE CLASS B TO FINISH GRADE.
- SEAL PAVEMENT JOINTS WITH HOT AR4000 AND TOP WITH SAND.

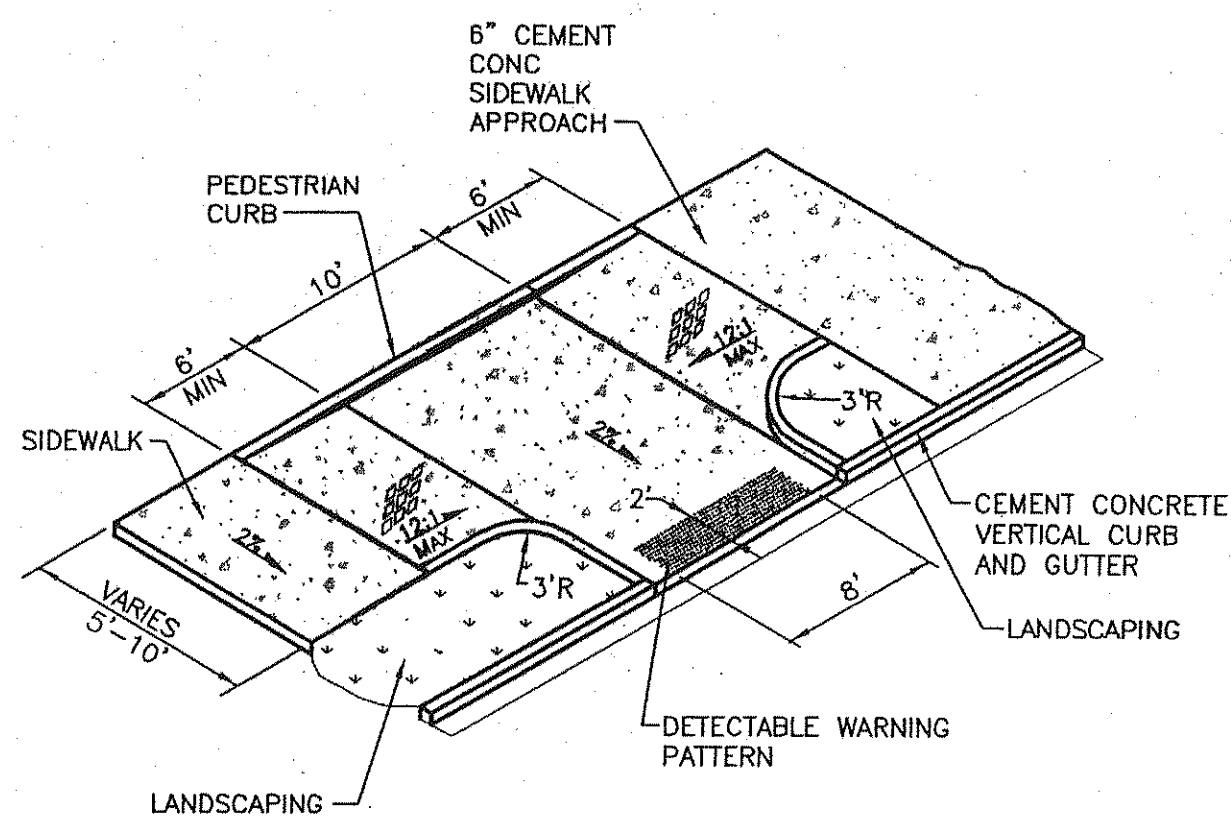


ASPHALT RAMP

NTS

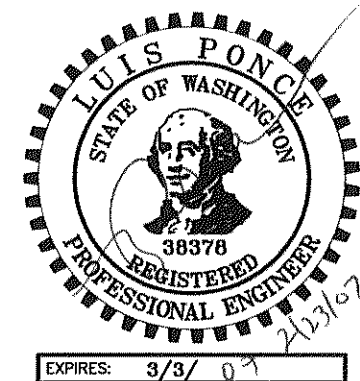
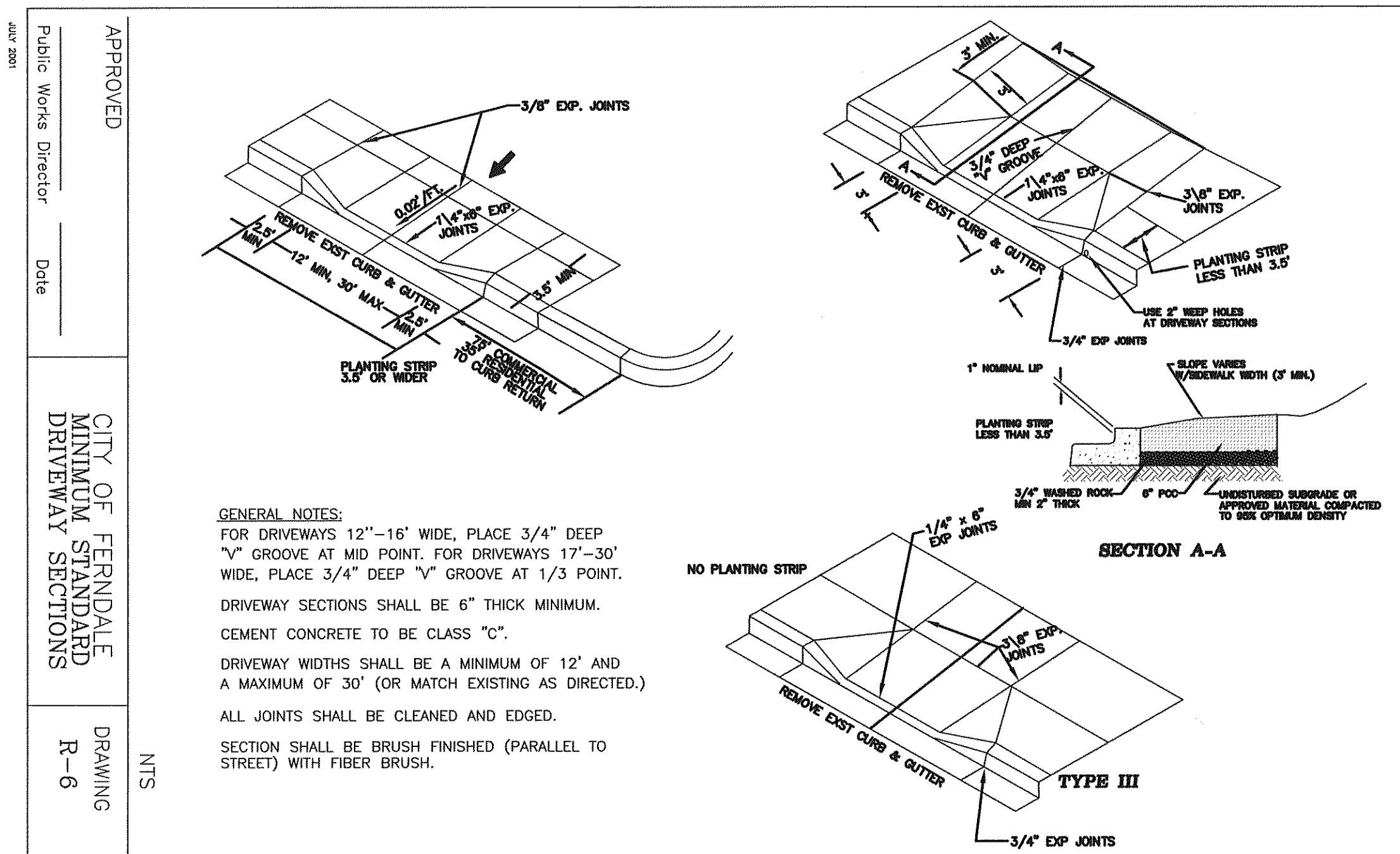
MODIFIED SIDEWALK RAMP TYPE 2A

NTS



MODIFIED SIDEWALK RAMP TYPE 2A ALTERNATE 1

NTS



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DATE

REVISION

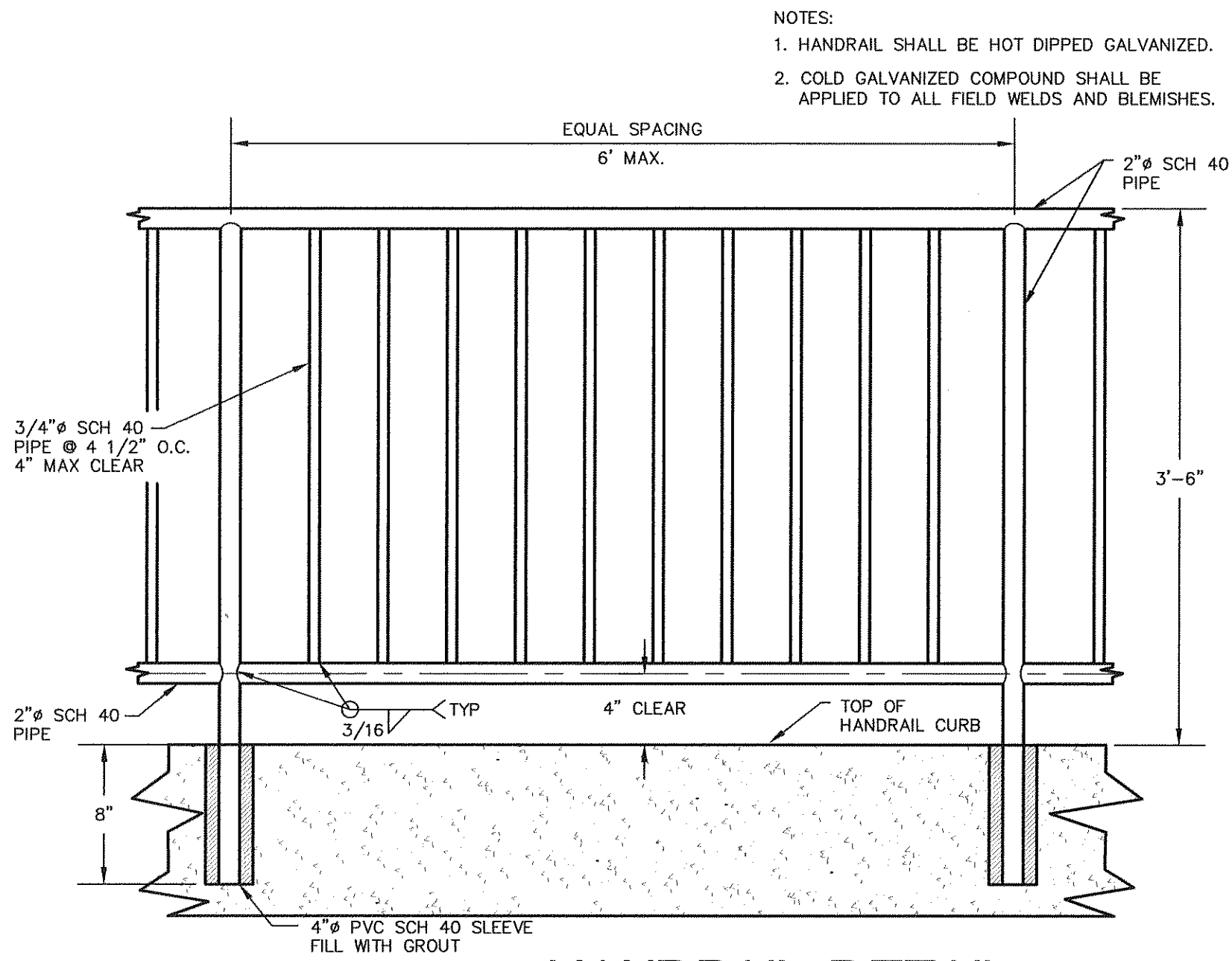
BY

CITY OF FERDALE
2005 MAIN STREET
FERDALE, WASHINGTON 98246

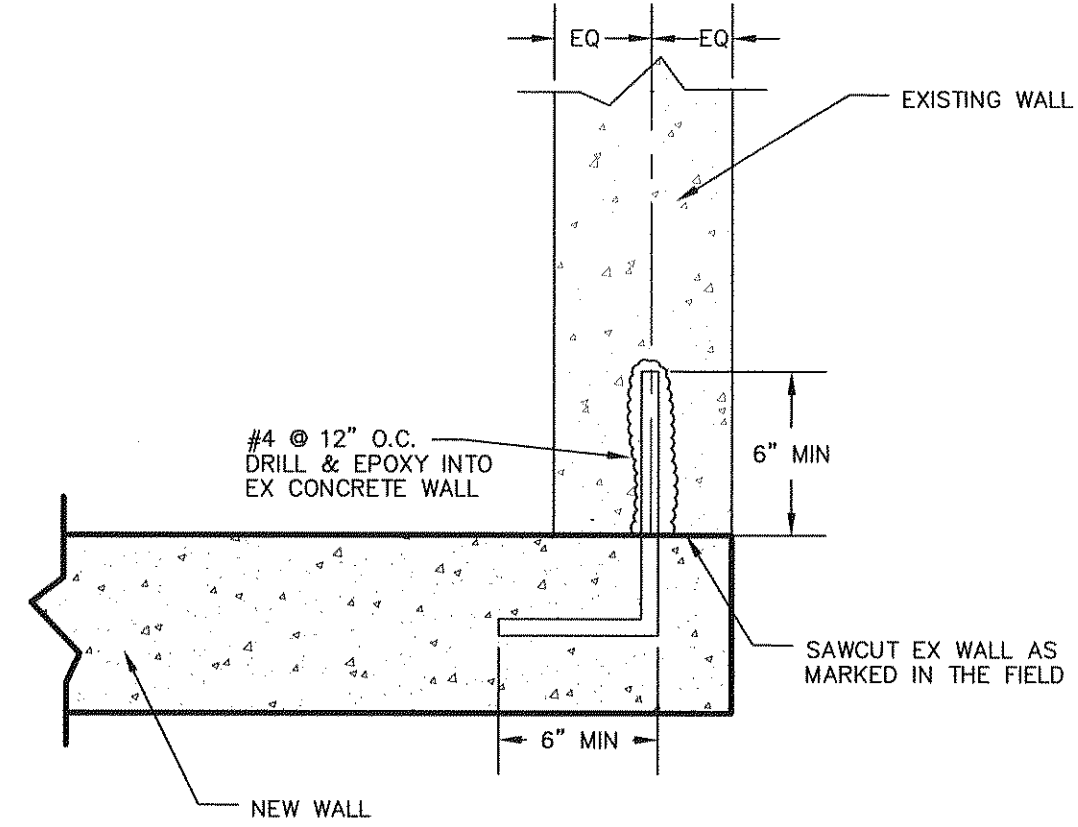
VISTA AND MALLOY
ROUNDAABOUT
STREET DETAILS

JOB# / DWG
02008 DET
SCALE
H:N/A V:N/A

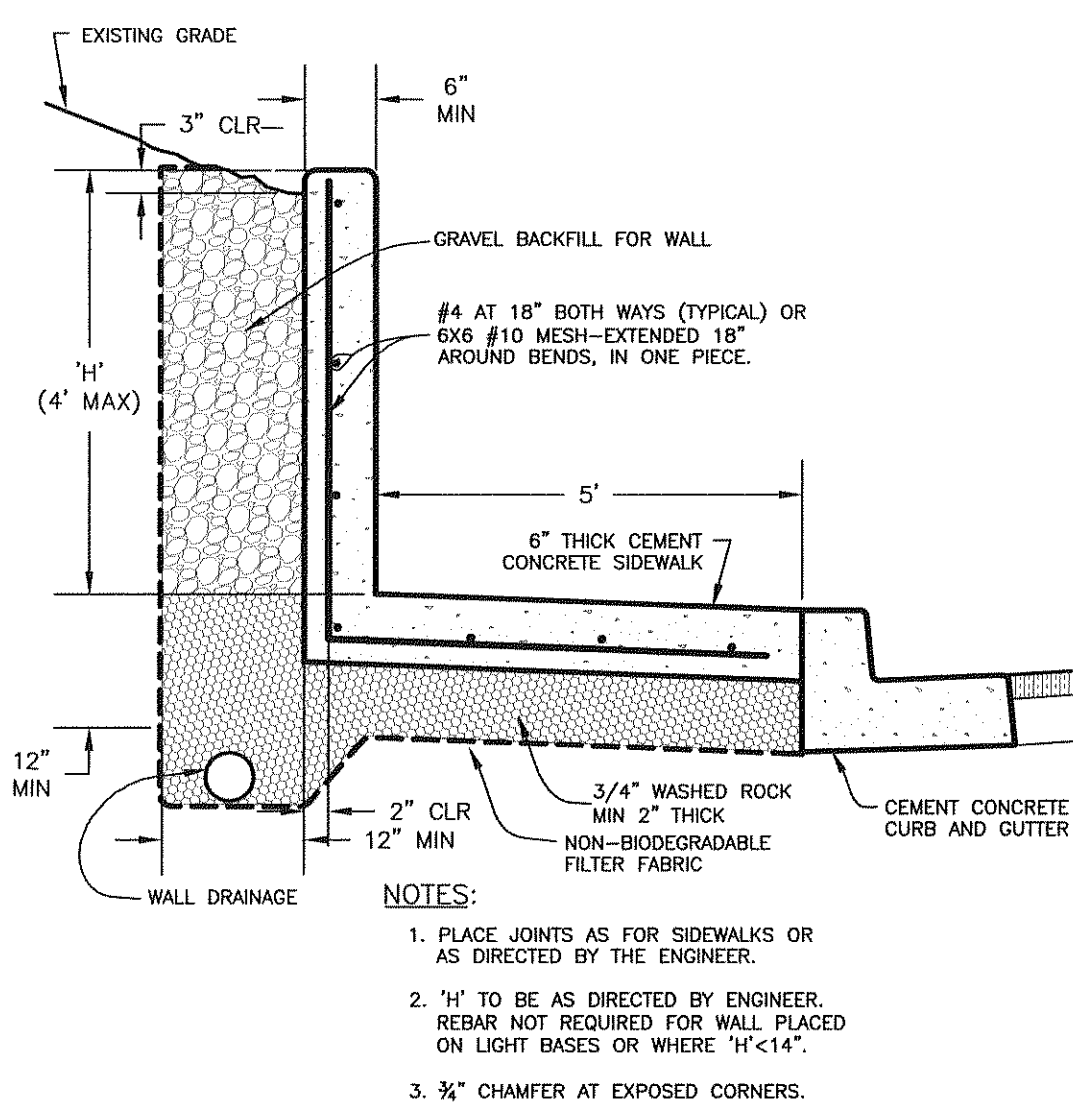
DATE
2-23-07
SHEET
18 of 24



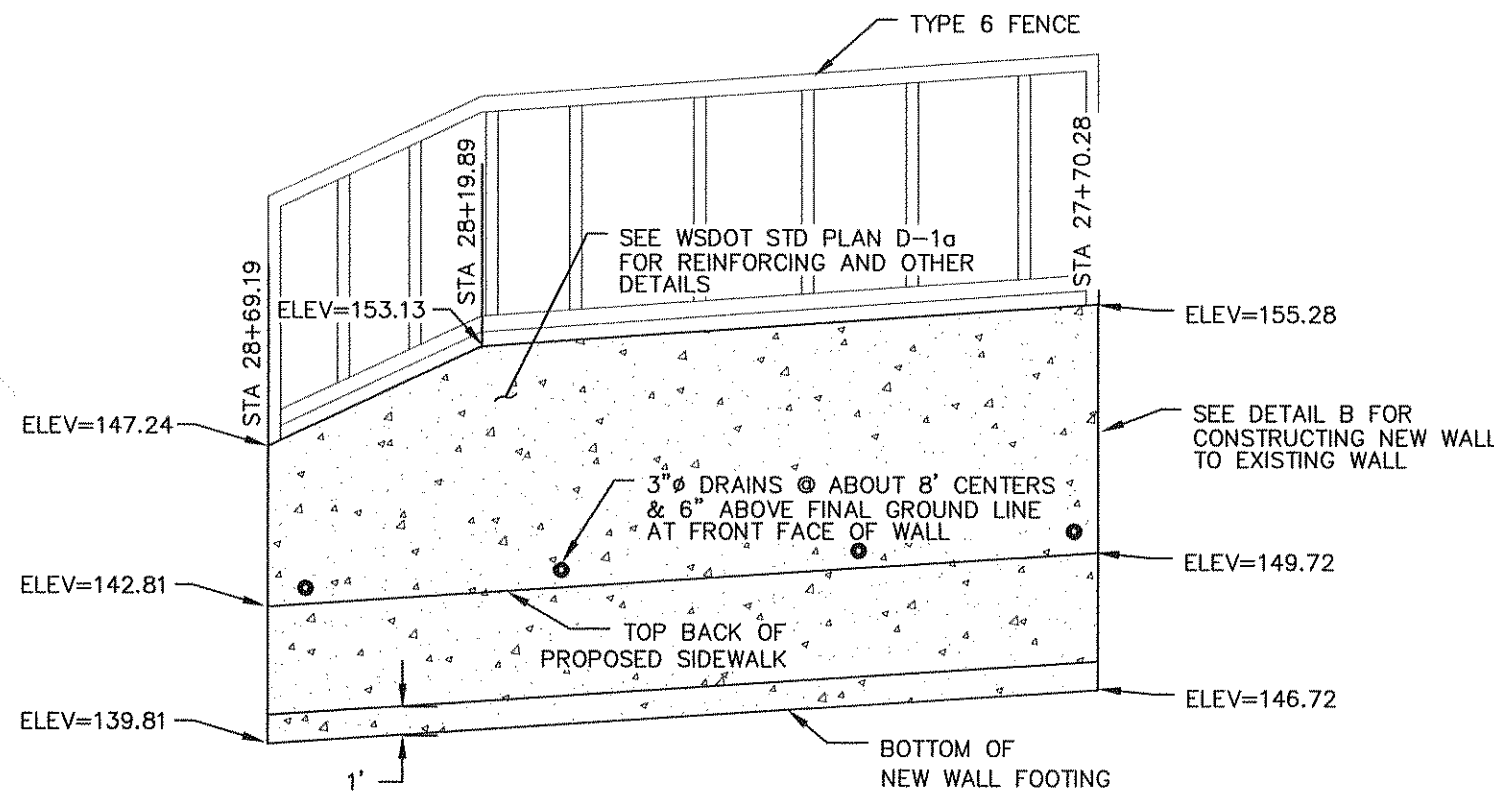
HANDRAIL DETAIL
NTS



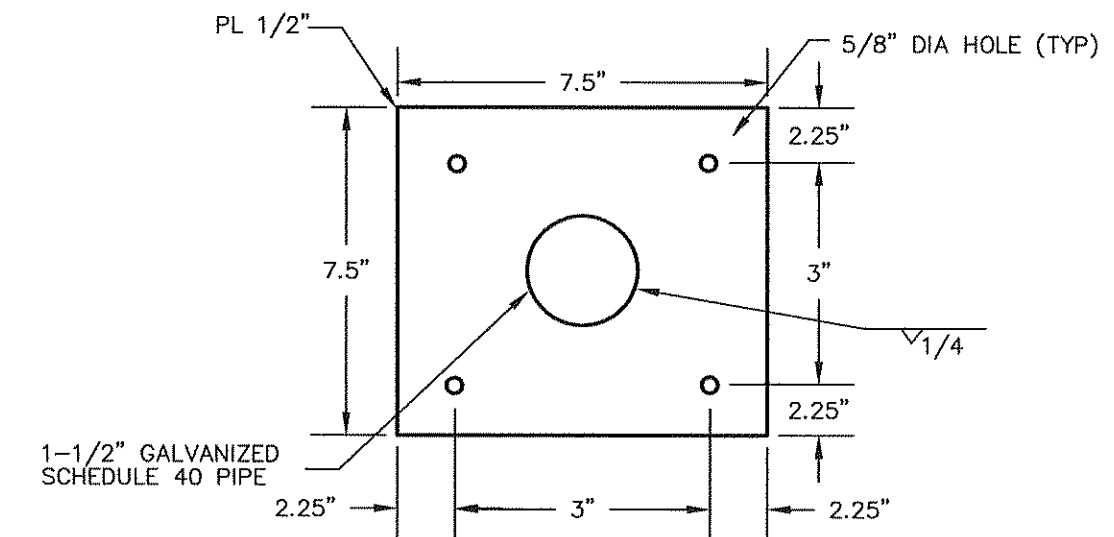
**N. VISTA STA 27+70.28 RT
NEW WALL TO EXISTING WALL DETAIL**
NTS
DETAIL B



TYPE "A" MONOLITHIC RETAINING WALL AND SIDEWALK
NTS

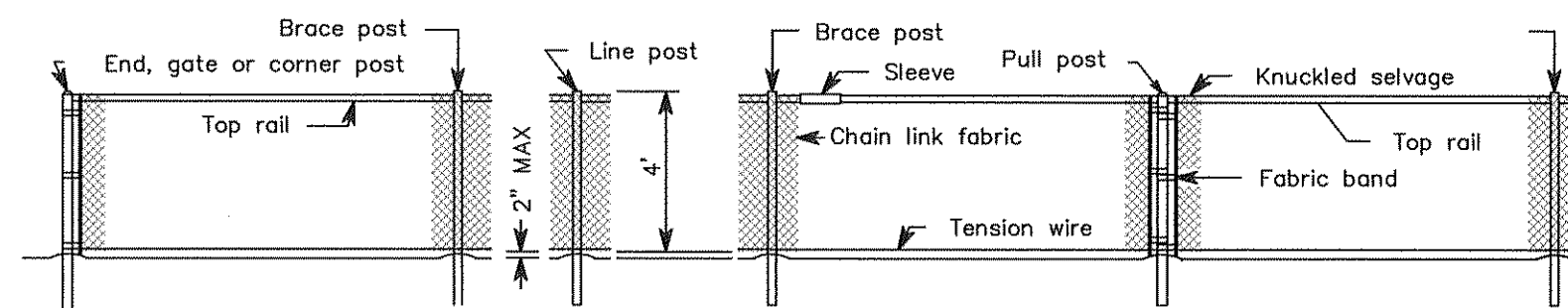


**RETAINING WALL N. VISTA
STA 27+70.28 TO 28+69.19 RT**
NTS

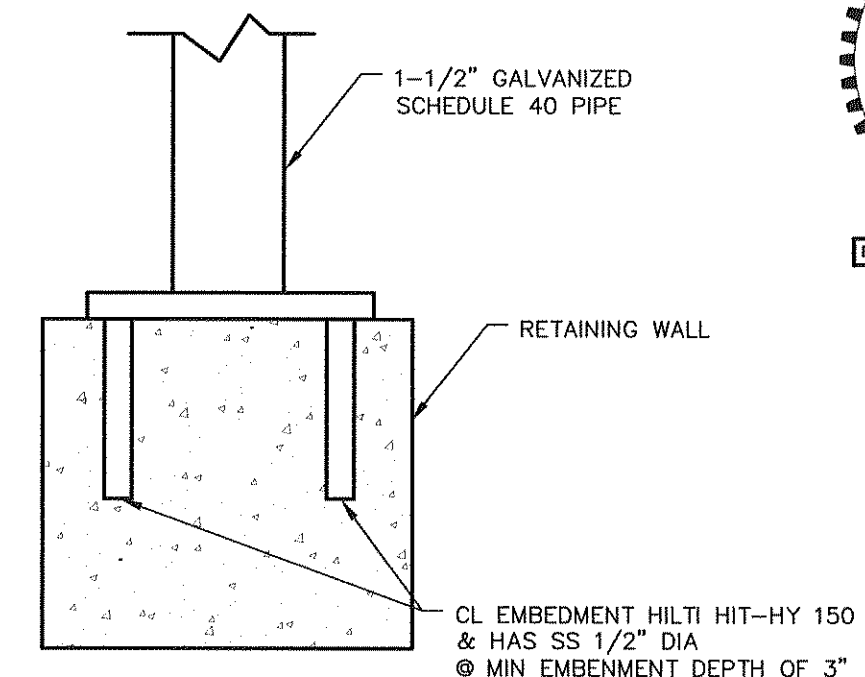


TYPE 6 FENCE BASE PLATE
NTS

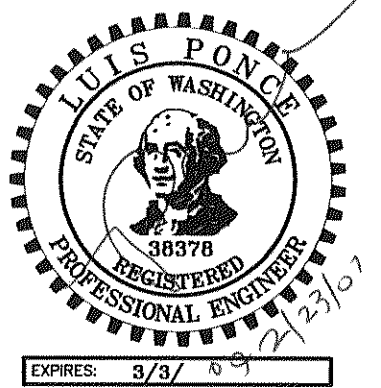
TYPE	MEMBER																	
	BRACE RAIL & TOP RAIL						LINE & BRACE POST						END, CORNER, & PULL POST				GATE POST	
	ROUND			H-COLUMN			ROUND			H-COLUMN			ROUND		ROLL FORMED		ROUND	
	I.D. Pipe (Inches)	Weight Per Foot (Pounds)	Size (Inches)	Weight Per Foot (Pounds)	Size (Inches)	Weight Per Foot (Pounds)	I.D. Pipe (Inches)	Weight Per Foot (Pounds)	Size (Inches)	Weight Per Foot (Pounds)	Size (Inches)	Weight Per Foot (Pounds)	I.D. Pipe (Inches)	Weight Per Foot (Pounds)	Size (Inches)	Weight Per Foot (Pounds)	I.D. Pipe (Inches)	Weight Per Foot (Pounds)
6	1-1/4	2.27	1-1/4 x 1-5/8	1.35	1-5/8 x 1-1/4	1.35	2	3.65	2-1/4	4.0	1-5/8 x 1-7/8	2.34	2-1/2	5.79	3-1/2 x 3-1/2	5.14	3-1/2	9.1
																		5'-6"



CHAIN LINK FENCE TYPE 6
NTS



TYPE 6 FENCE BASE PLATE
NTS



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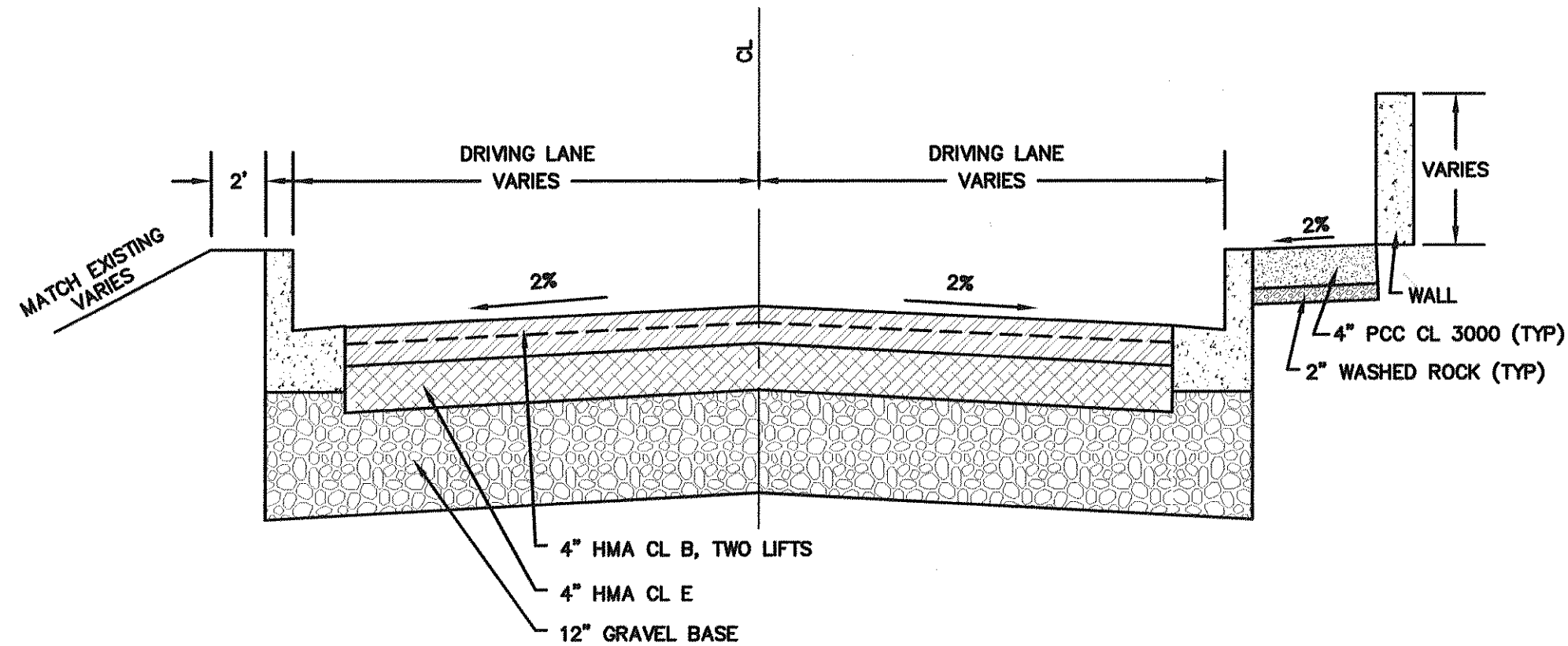
NO. DATE REVISION BY

CITY OF FERDALE
2005 MAIN STREET
FERDALE, WASHINGTON 98246

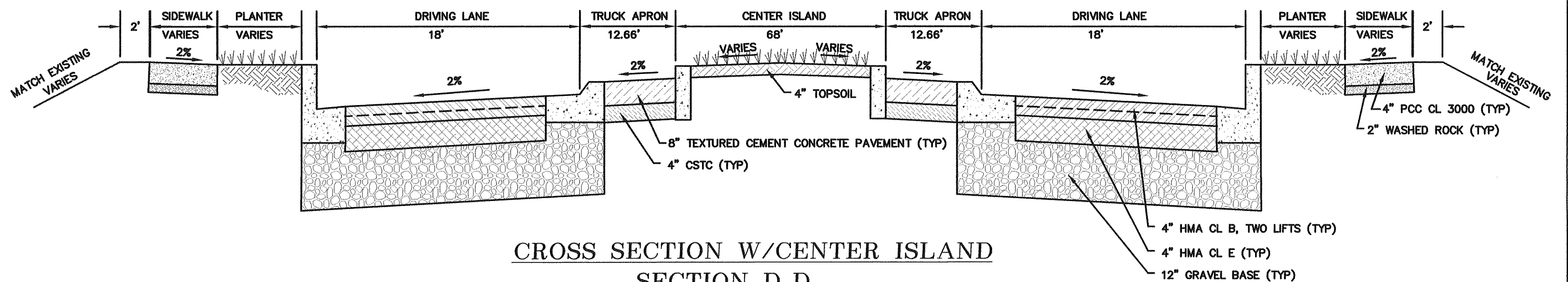
VISTA AND MALLOY
ROUNDAABOUT
WALL DETAILS

JOB# / DWG
02008 DET
SCALE
H: N/A V: N/A

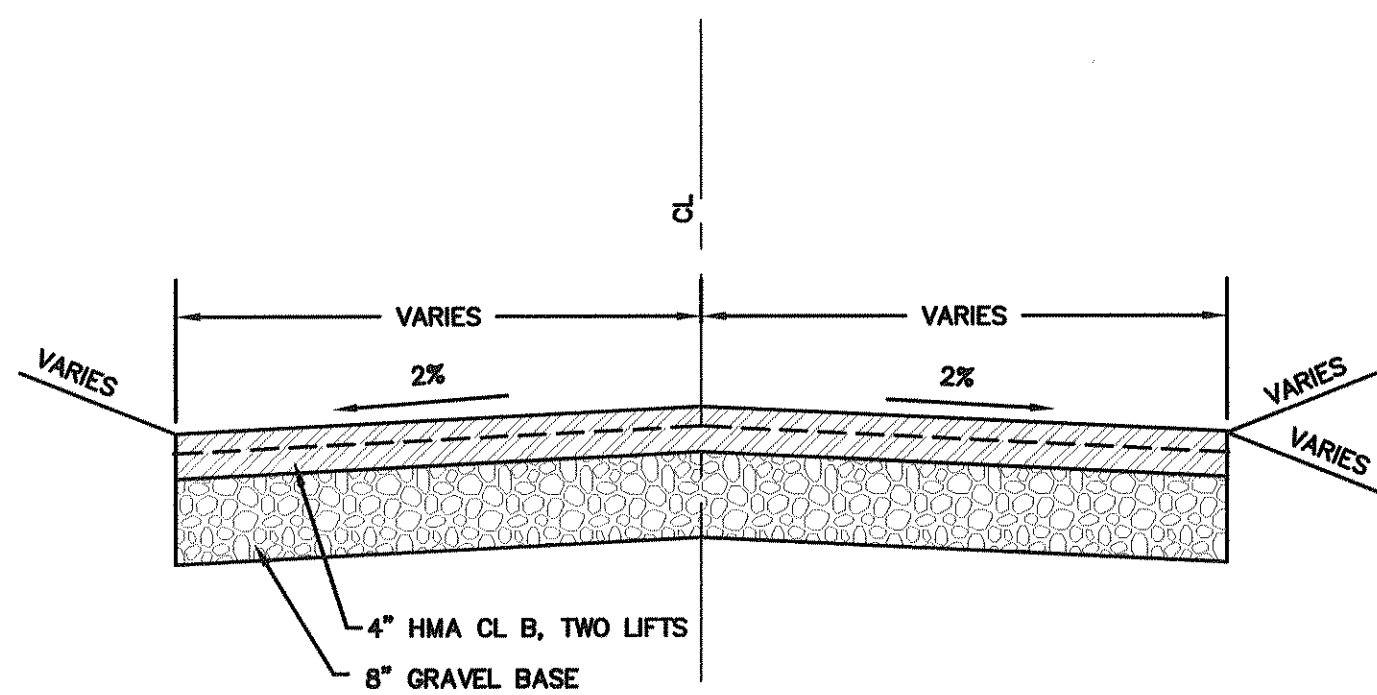
DATE
2-23-07
SHEET
19 of 24



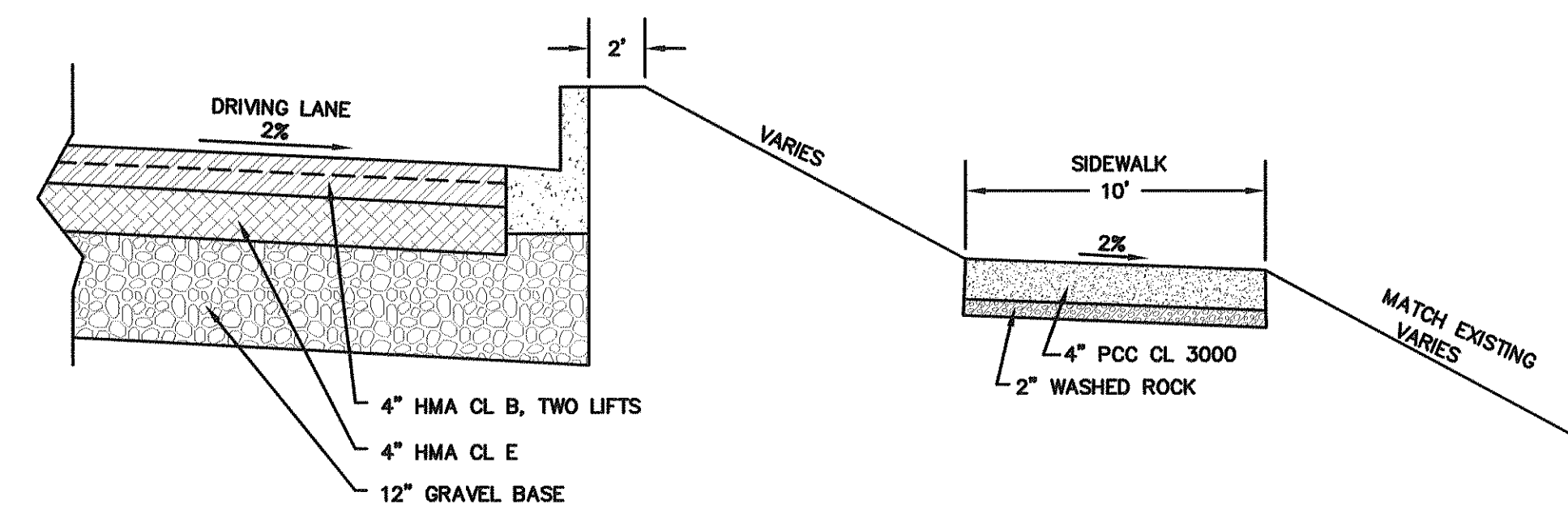
N. VISTA SECTION A-A
NTS



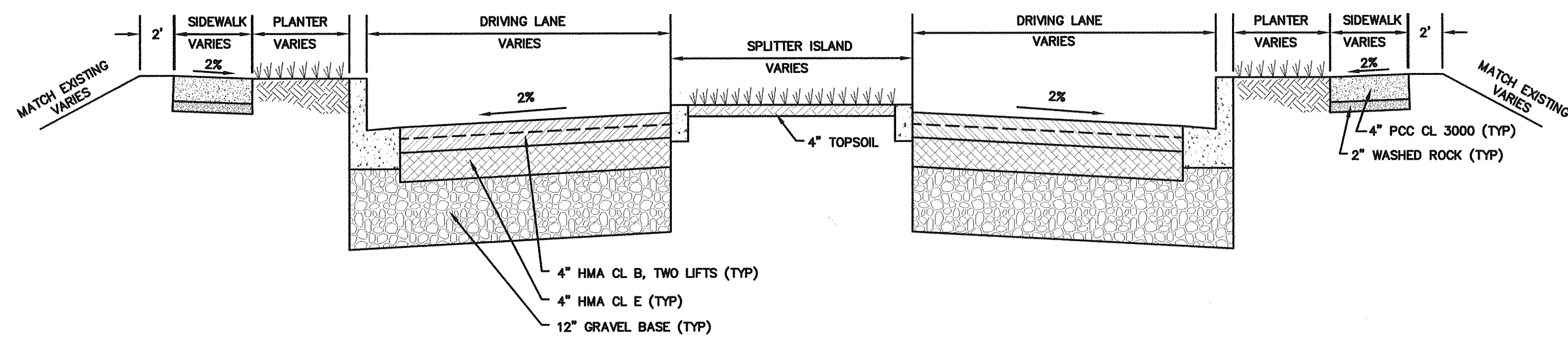
CROSS SECTION W/CENTER ISLAND
SECTION D-D
NTS



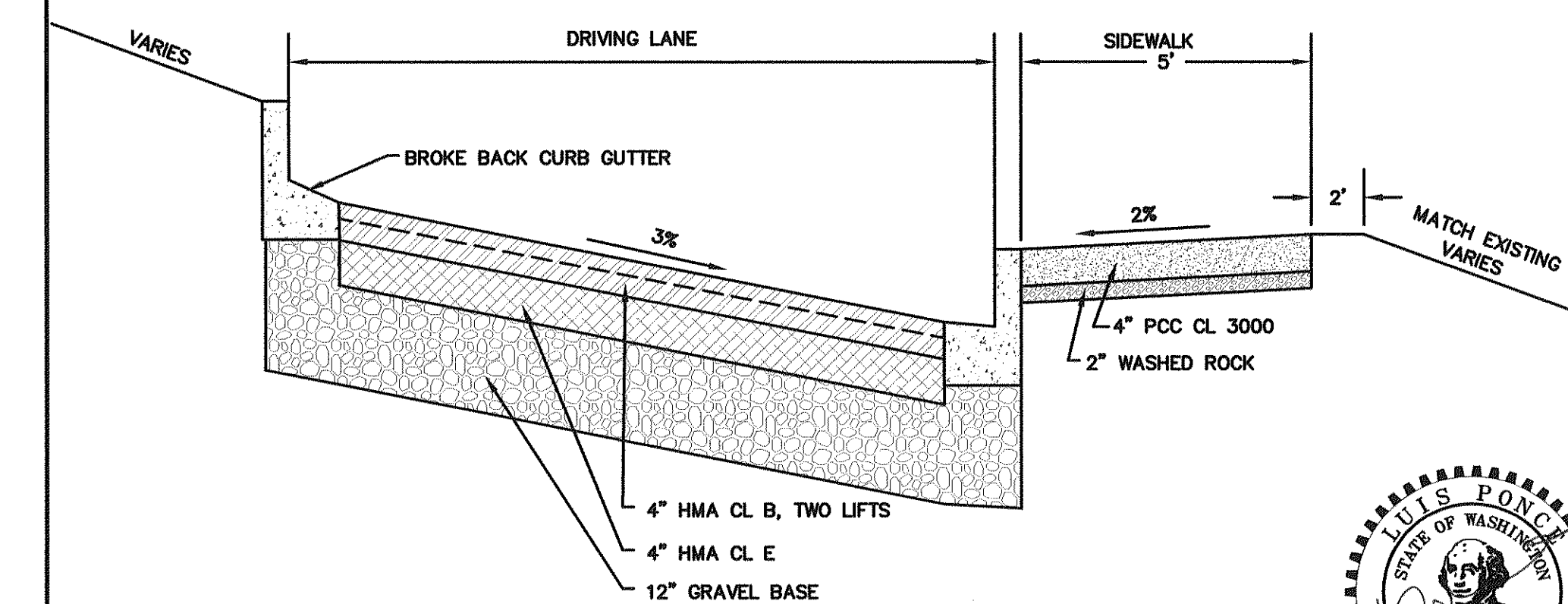
FERNDALE TERRACE SECTION B-B
NTS



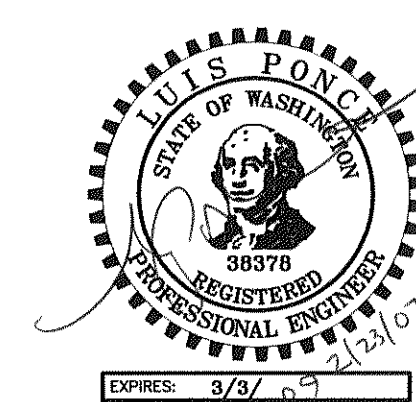
SECTION E-E
NTS



CROSS SECTION W/SPLITTER ISLAND
SECTION C-C
NTS



S. SHUKSAN SECTION F-F
NTS



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NO.

DATE

REVISION

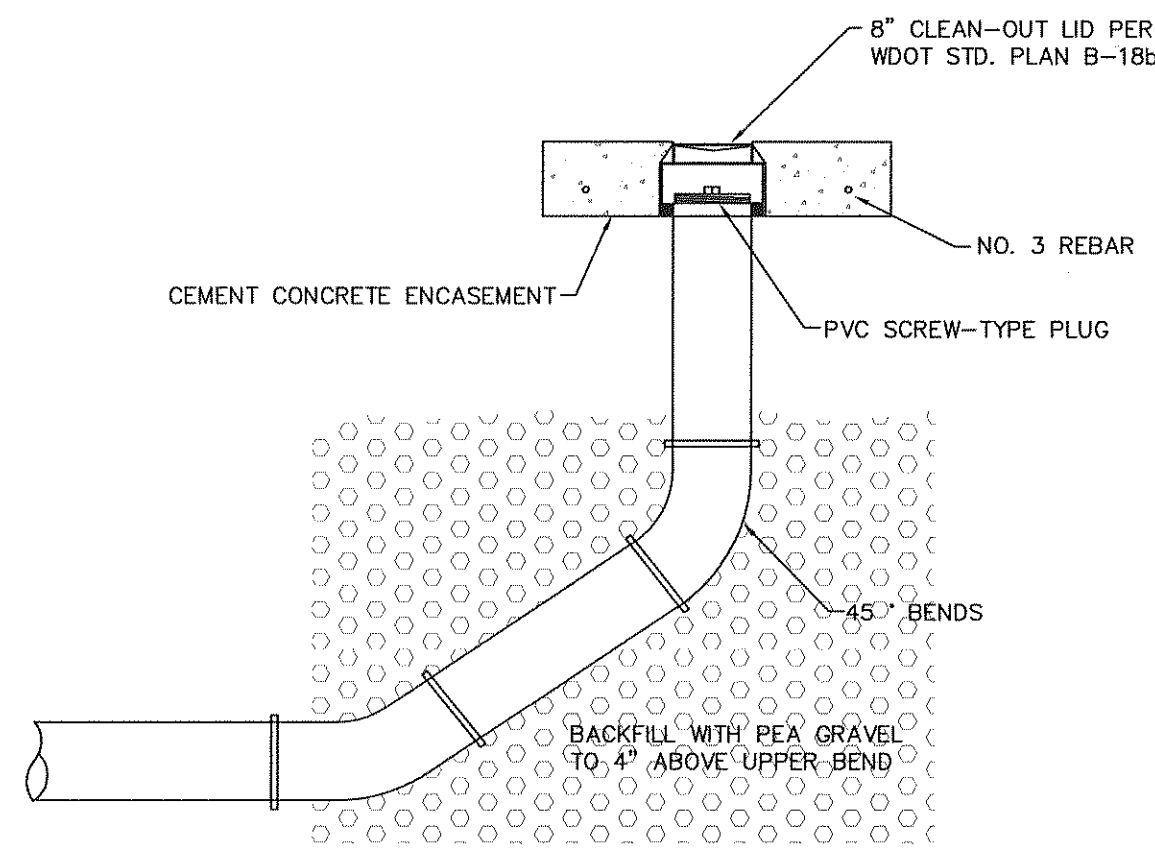
BY

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2065 MAIN STREET
FERNDALE, WASHINGTON 98248

VISTA AND MALLOY
ROUNDAABOUT
TYPICAL CROSS-SECTIONS

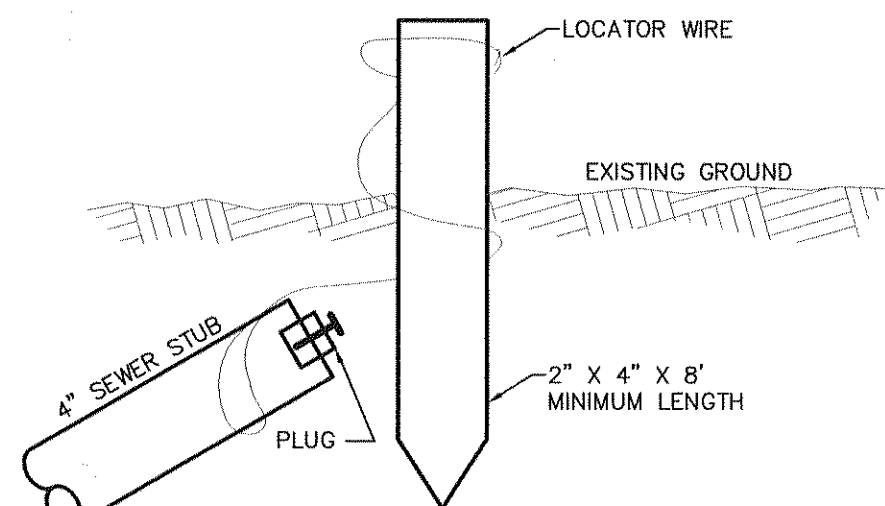
JOB# / DWG
02008 DET
SCALE
H:N/A V:N/A

DATE
2-23-07
SHEET
20 of 24



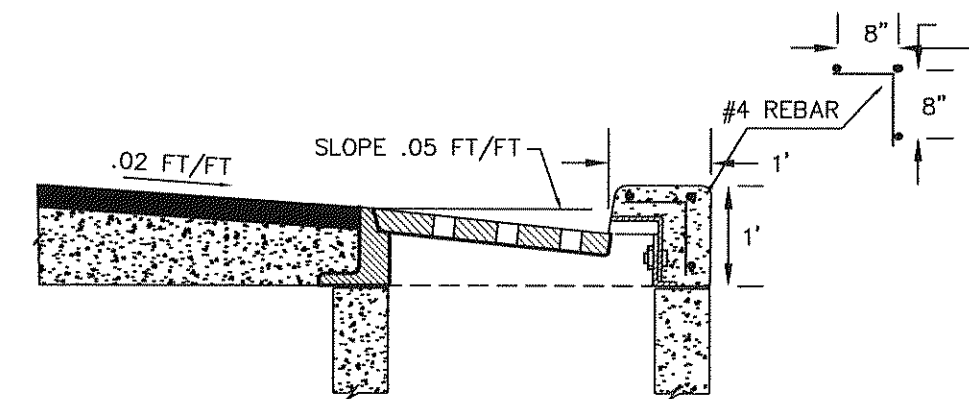
8" SANITARY SEWER CLEAN-OUT DETAIL

NTS

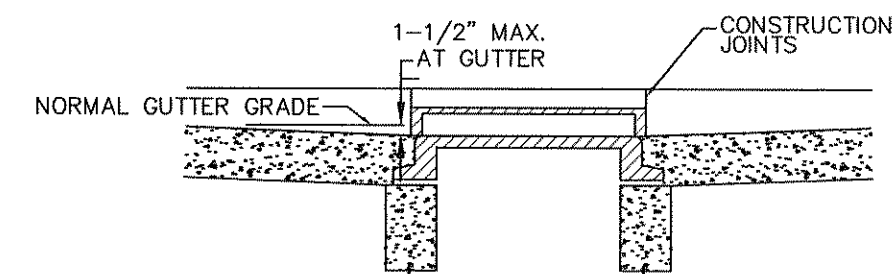


SEWER SERVICE STAKE

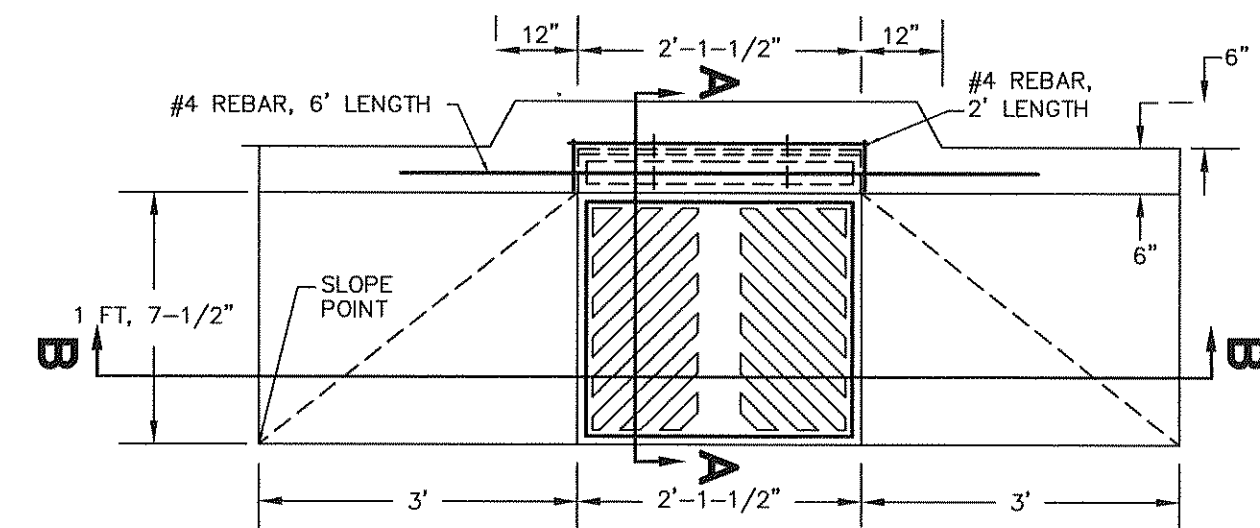
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SECTION A-A

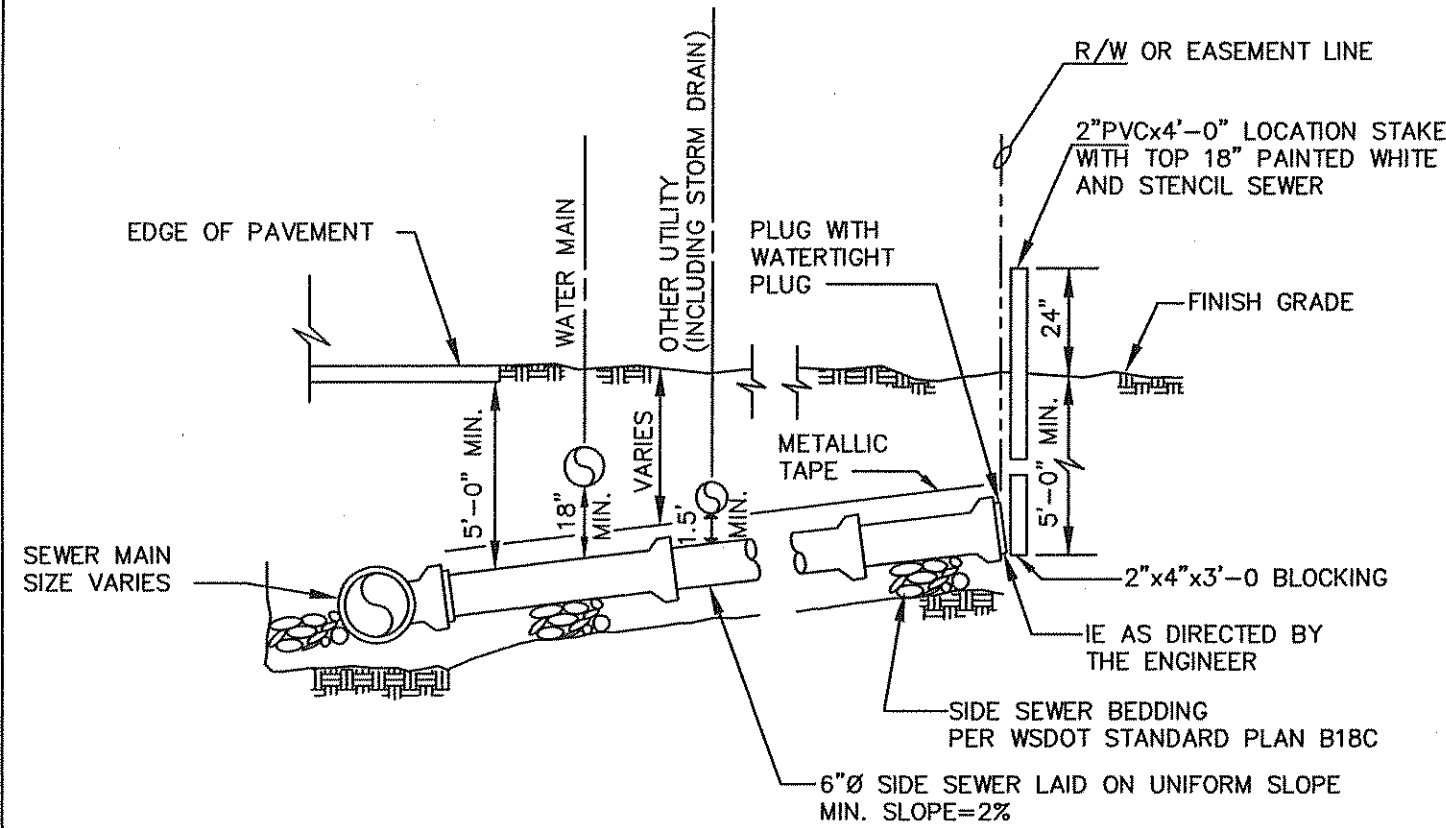


SECTION B-B



THRU CURB INLET DETAIL

NTS

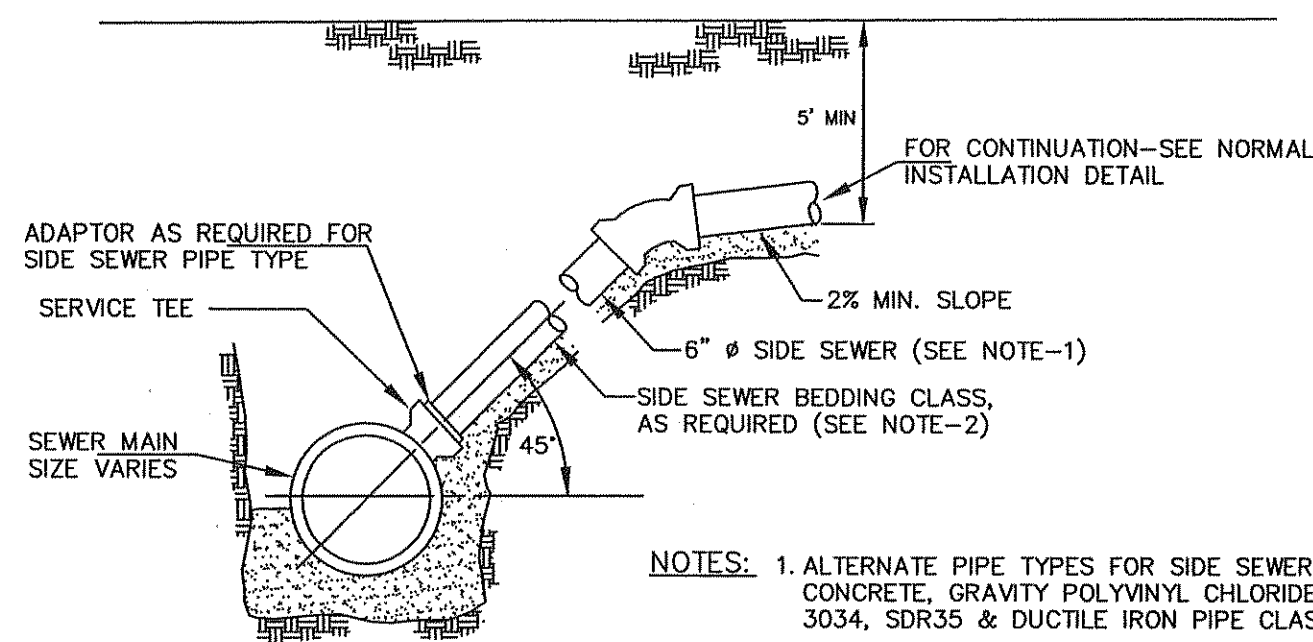


NORMAL INSTALLATION SIDE SEWER
15" AND SMALLER

NOT TO SCALE

APPROVED	CITY OF FERDALE NORMAL INSTALLATION 15" AND SMALLER SEWER MAINS	DRAWING SS-6
Public Works Director	Date	

JUNE 1995



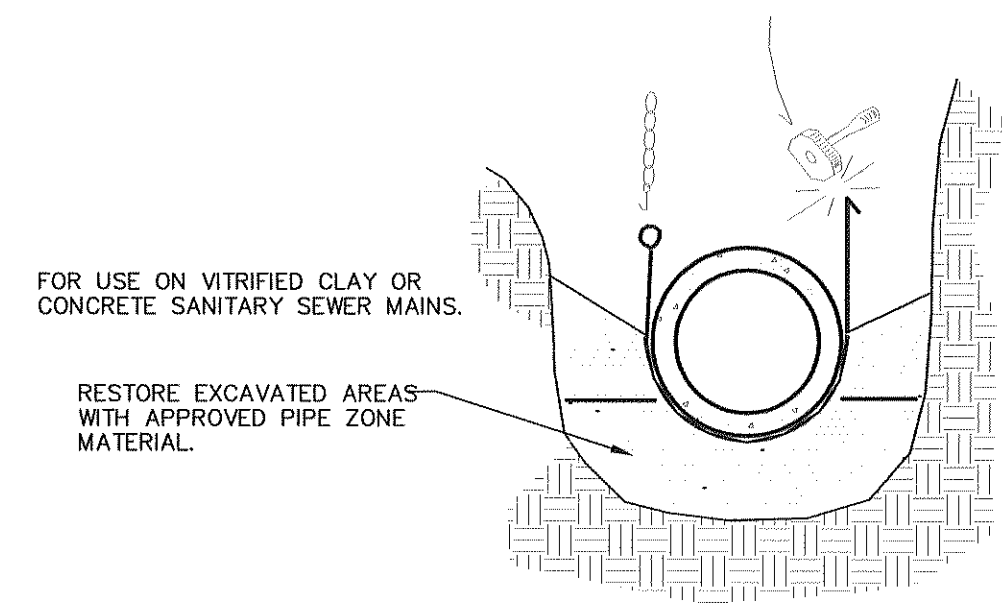
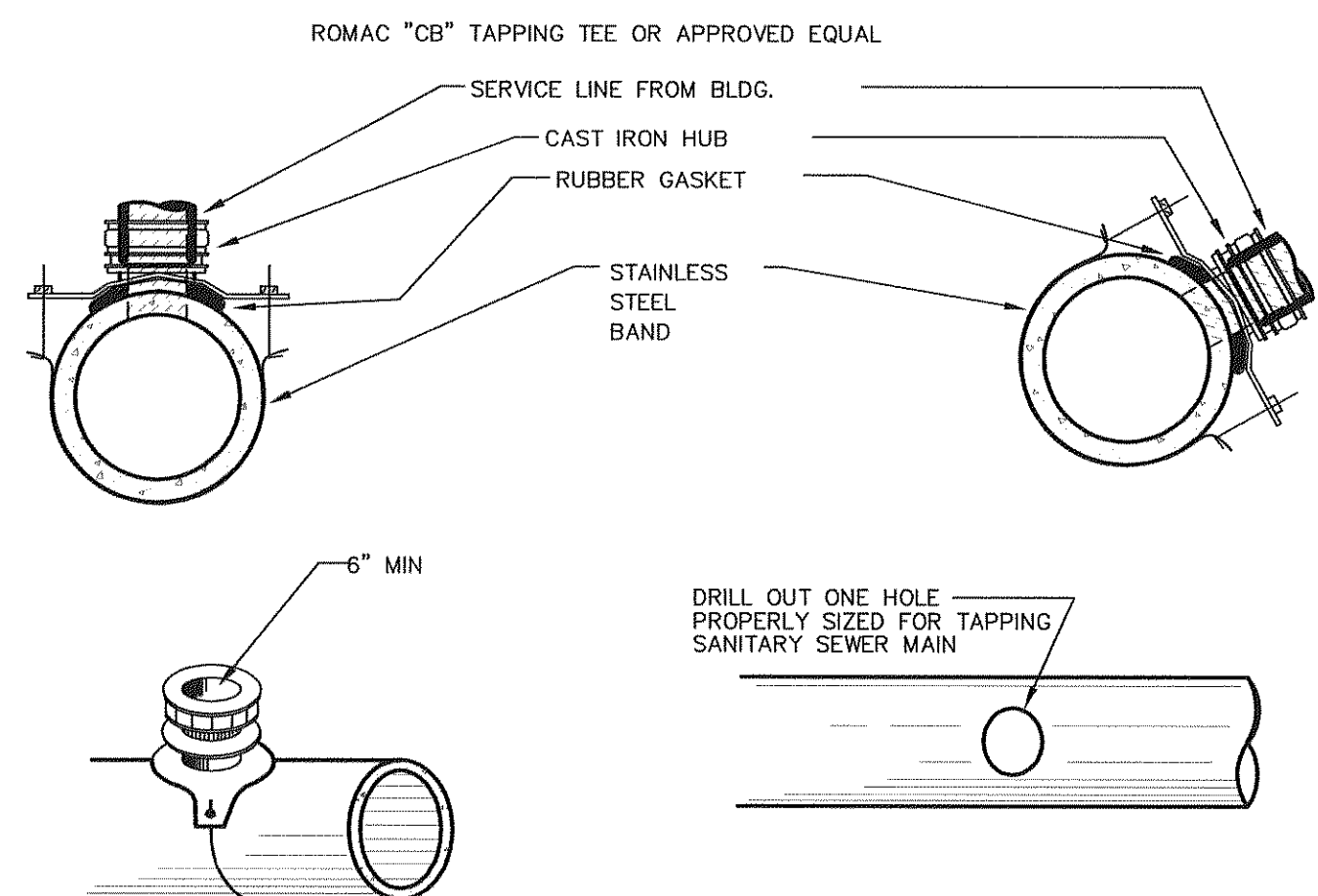
NORMAL INSTALLATION
18" AND LARGER MAINS

NOT TO SCALE

SIDE SEWER

APPROVED	CITY OF FERDALE NORMAL SANITARY SEWER SERVICE INSTALLATION 18" AND LARGER MAINS	DRAWING SS-7
Public Works Director	Date	

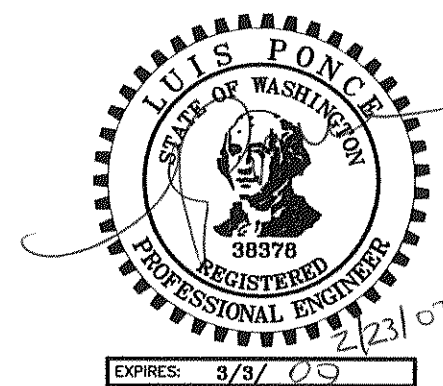
JUNE 1995



NOT TO SCALE

APPROVED	CITY OF FERDALE SANITARY SEWER BANDED TAPPING TEE	DRAWING SS-12
Public Works Director	Date	

JULY 2001



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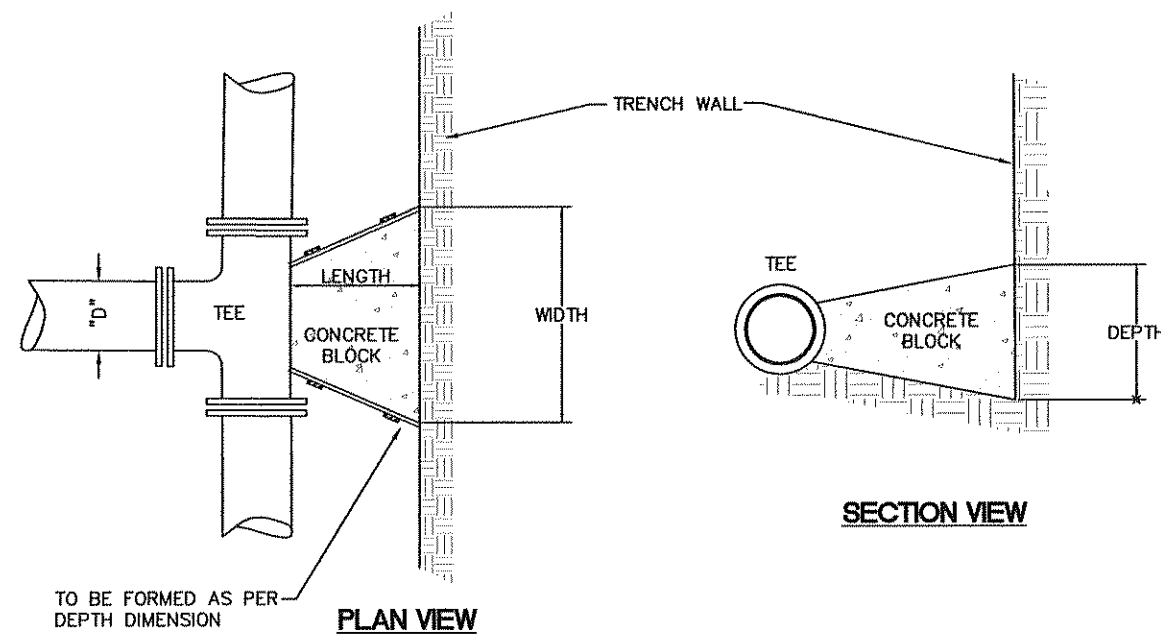
NO. DATE REVISION BY

CITY OF FERDALE
2005 MAIN STREET
FERDALE, WASHINGTON 98248

VISTA AND MALLOY
ROUNDABOUT
SEWER AND STORM DETAILS

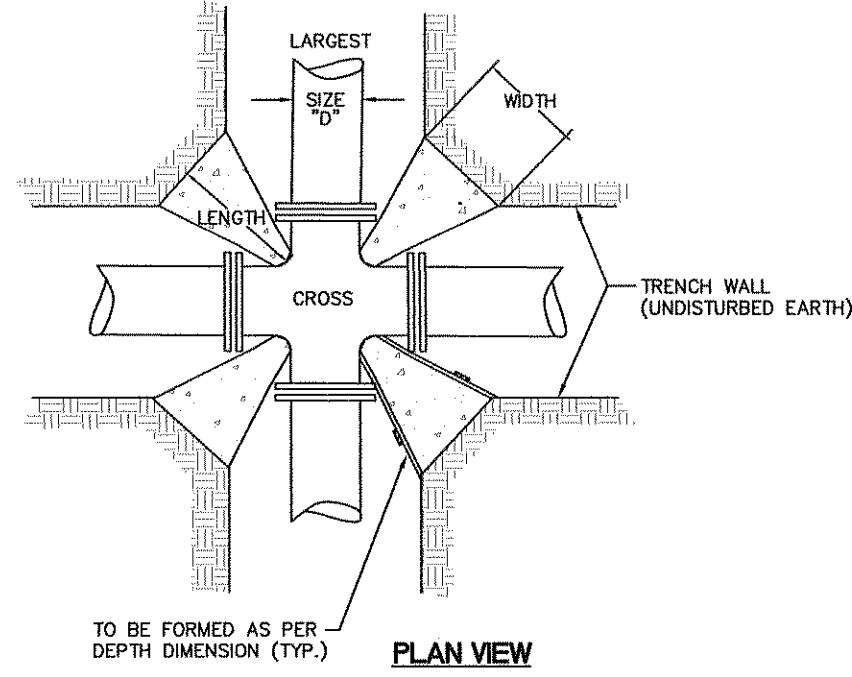
JOB# / DWG
02008 DET
SCALE
H: N/A V: N/A

DATE
2-23-07
SHEET
21 of 24



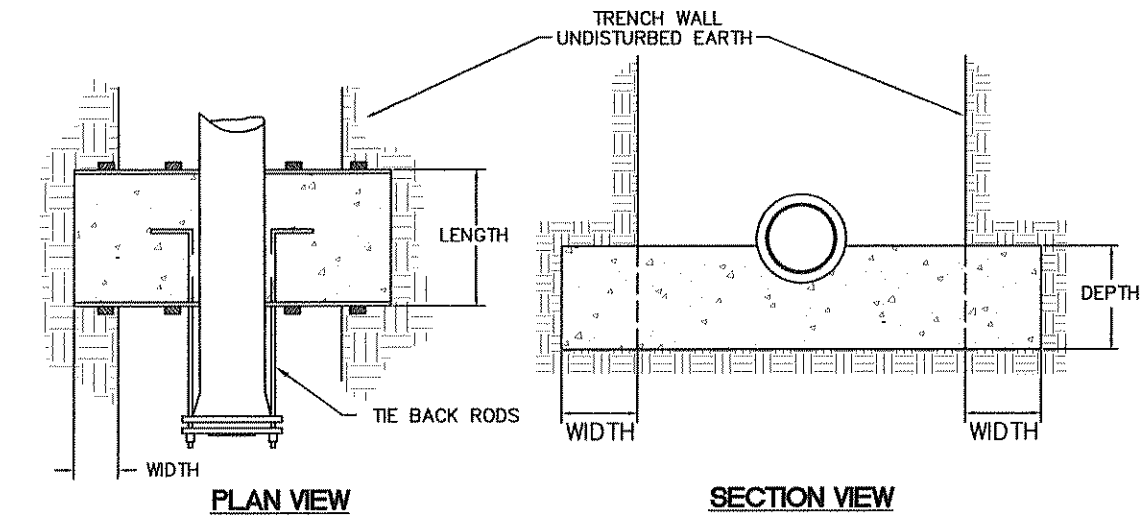
"D"	WIDTH	DEPTH	LENGTH	VOL.
6"	1'-6"	1'-6"	12"	3.0
8"	2'-0"	2'-0"	12"	4.5
10"	2'-6"	2'-6"	12"	7.0
12"	3'-0"	3'-0"	18"	14.0

VOL. = Approx. Volume of Blocking Material Required in cu. ft.
SOIL BEARING CAPACITY 1500 PSF MINIMUM
100 P.S.I. OPERATING PRESSURE



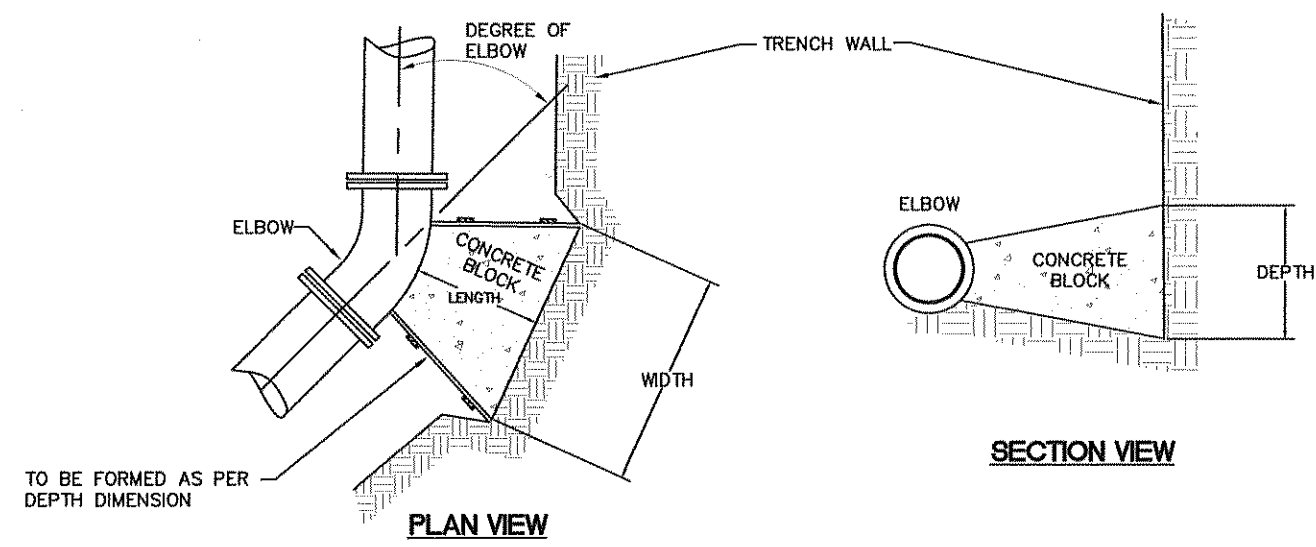
"D"	WIDTH	DEPTH	LENGTH	VOL.	X4 blocks/joint
6"	1'-0"	1'-0"	12"	0.83	2.50 cu. ft.
8"	1'-3"	1'-3"	12"	1.00	4.01 cu. ft.
10"	1'-6"	1'-6"	12"	1.63	6.50 cu. ft.
12"	1'-9"	1'-9"	18"	3.05	12.19 cu. ft.

VOL. = Approx. Volume of Blocking Material Required in cu. ft.



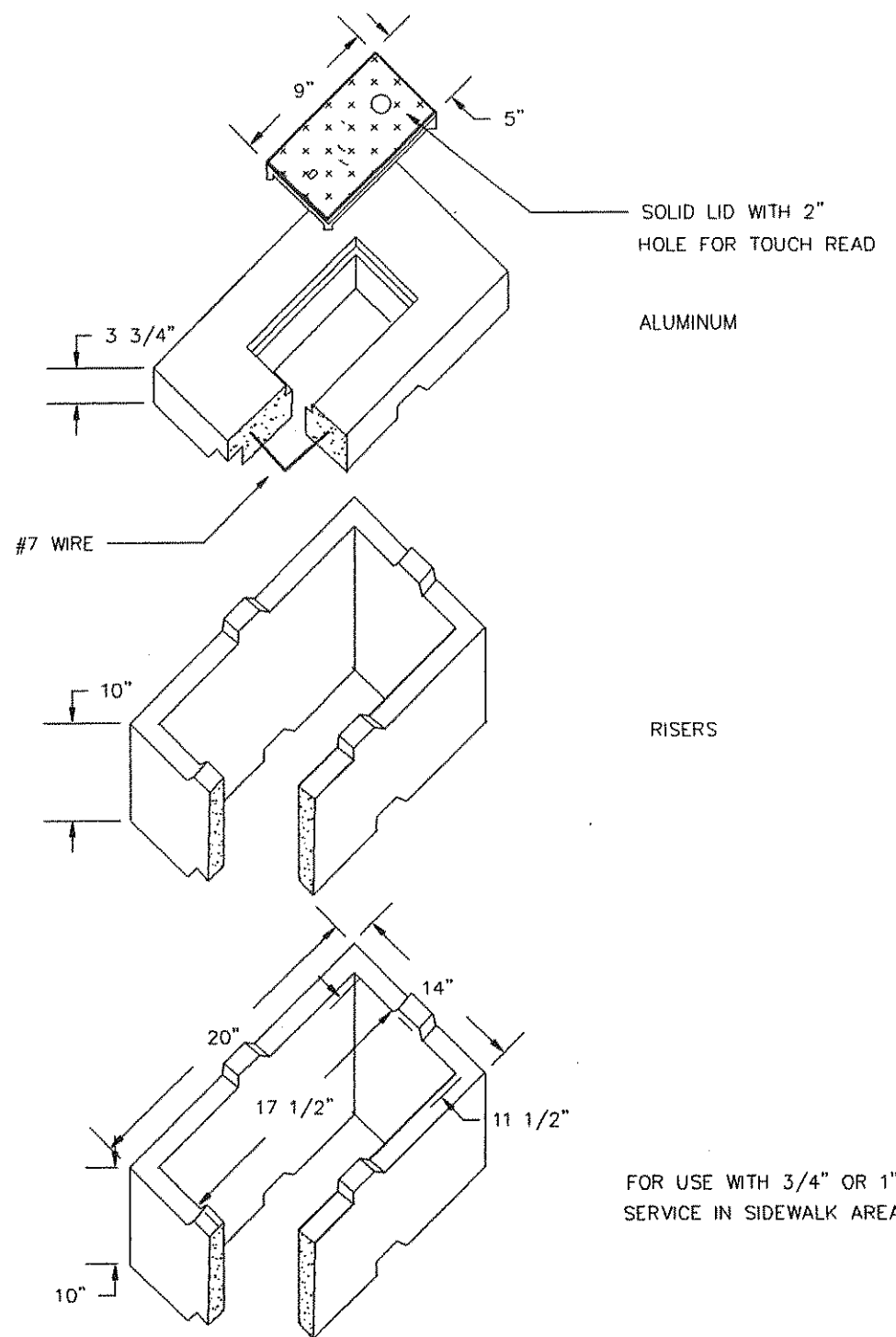
"D"	WIDTH	DEPTH	LENGTH	*VOL.	# OF RODS	ROD DIA.
6"	1'-6"	1'-6"	12"	7.5	2	1/2"
8"	2'-0"	2'-0"	18"	20.0	2	5/8"
10"	2'-6"	2'-6"	24"	37.5	2	3/4"
12"	2'-9"	2'-9"	24"	44.0	4	3/4"

*VOL. = Approx. Volume of Blocking Material Required in cu. ft.
RODS: A36 STEEL MINIMUM



SIZE	LENGTH	11 1/4"	22 1/2"	45"	90"
6"	12"	1'-0"	1'-0"	1'-0"	1'-0"
8"	12"	1'-3"	1'-3"	1'-3"	1'-3"
10"	12"	1'-6"	1'-6"	1'-6"	1'-6"
12"	18"	2'-0"	2'-0"	2'-0"	2'-0"

VOL. = Approx. Volume of Blocking Material Required in cu. ft.



APPROVED

Public Works Director Date

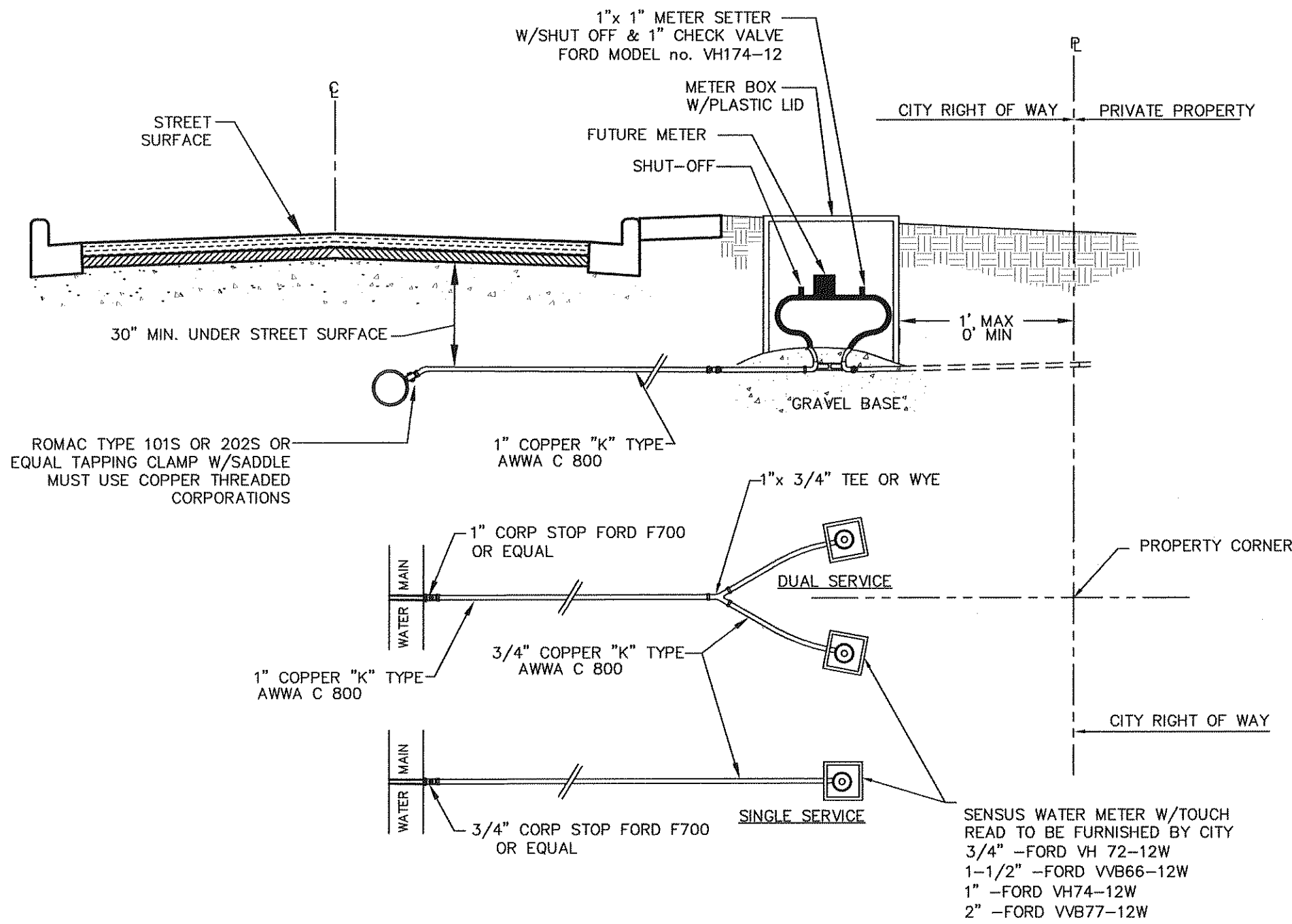
CITY OF FERDALE
NO. 1 METER BOX
FOG TITE

DRAWING
W-6

JUNE 1995

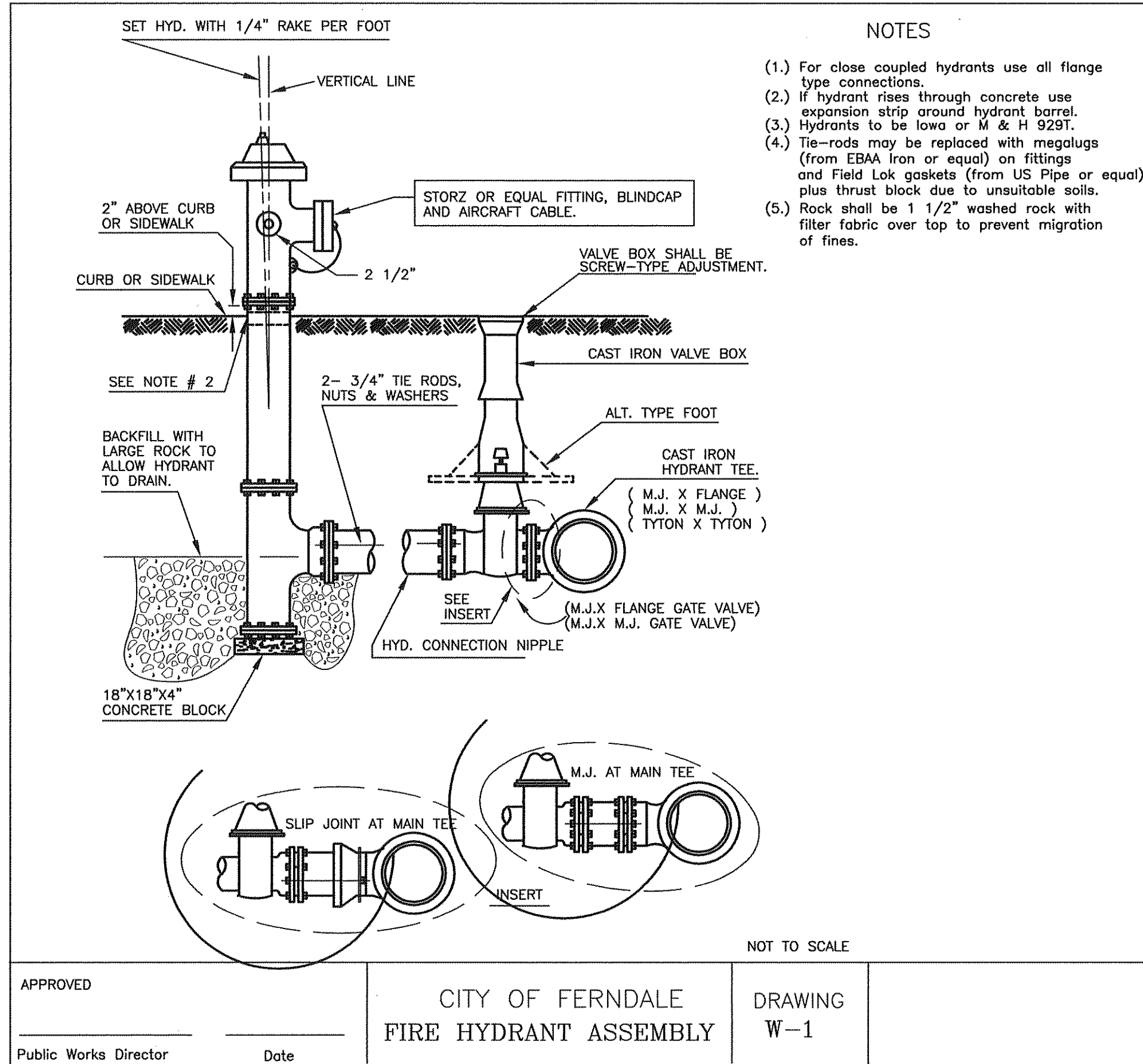
THRUST BLOCKING

NTS



WATER SERVICE CONNECTION DETAIL

NTS

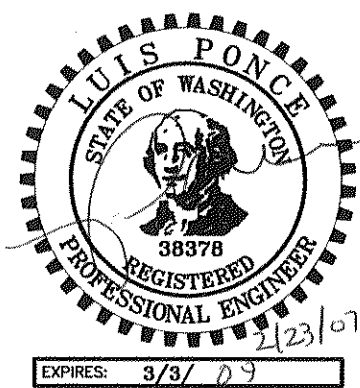


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Public Works Director Date

CITY OF FERDALE
FIRE HYDRANT ASSEMBLY

DRAWING
W-1



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DATE

REVISION

BY

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2095 MAIN STREET
FERDALE, WASHINGTON 98246

VISTA AND MALLOY
ROUNDAABOUT
WATER DETAILS

JOB# / DWG

02008 DET

SCALE

H:N/A V:N/A

DATE

2-23-07

SHEET

22 of 24

GENERAL EROSION CONTROL NOTES

1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
2. ALL CUT AND FILL SLOPES SHALL BE SEEDED AND FERTILIZED FOR EROSION CONTROL. CONTRACTOR SHALL BE RESPONSIBLE FOR SLOPE EROSION UNTIL VEGETATION IS FIRMLY ESTABLISHED.
3. CONTRACTOR SHALL INFORM THE ENGINEER AND OBTAIN APPROVAL FROM THE ENGINEER OF ANY PROPOSED CHANGES IN PLAN PRIOR TO CONSTRUCTION OF THAT CHANGE. CONTRACTOR SHALL KEEP RECORD OF DEVIATIONS AND FORWARD TO THE ENGINEER.
4. CONTRACTOR WILL HAVE A WATER TRUCK AVAILABLE ON SITE AT ALL TIMES. CONTRACTOR WILL WATER SURFACES OFTEN ENOUGH TO ABATE DUST AS APPROVED BY THE ENGINEER. WATERING WILL INCLUDE WEEKENDS AND HOLIDAYS.
5. THE CONTRACTOR WILL CONSTRUCT A CONSTRUCTION ENTRANCE AS SHOWN IN THE CONSTRUCTION ENTRANCE DETAIL ON THIS SHEET AT EACH ENTRANCE FROM A STAGING OR WORK AREA ONTO A PUBLIC ROAD OR NON-STAGING OR NON-WORKING AREA.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION OF THE SEDIMENTATION AND EROSION CONTROL MEASURES AS SHOWN.
7. THE CONSTRUCTED EROSION CONTROL AND SEDIMENTATION PLAN SHALL BE APPROVED BY THE ENGINEER PRIOR TO PERFORMING ANY SITE GRADING OR CLEARING.
8. MAINTENANCE AND OPERATION OF THE EROSION CONTROL AND SEDIMENTATION SYSTEM SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION OF THE SEDIMENTATION AND EROSION CONTROL MEASURES.
9. ANY VEGETATION NOT IN THE CONSTRUCTION AREA SHALL BE LEFT UNDISTURBED.
10. ALL CLEARING LIMITS SHALL BE VISIBLY MARKED PRIOR TO CLEARING.
11. ALL STORM DRAIN FACILITIES WITHIN THE PROJECT BOUNDARY, OR WHICH ARE IMPACTED BY THE PROJECT ARE TO BE CLEARED OF SEDIMENT AND DEBRIS PRIOR TO FINAL ACCEPTANCE OF THE PROJECT.
12. THIS PLAN REPRESENTS THE MINIMUM REQUIREMENTS FOR THIS PROJECT. ADDITIONAL EROSION CONTROL MAY BE REQUIRED BY THE ENGINEER AS ARE FOUND NECESSARY.
13. THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE INSTALLED PRIOR TO ALL OTHER SITE CONSTRUCTION.
14. REFERENCE WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE & MUNICIPAL CONSTRUCTION, 2006, M 41-10, 8-01.3(b) FOR STREET SWEEPING REQUIREMENTS.



STABILIZED CONSTRUCTION ENTRANCE
NTS



FILTER FABRIC FENCE DETAIL
NTS

LEGEND

WASHINGTON STATE DEPT. OF ECOLOGY
BEST MANAGEMENT PRACTICES (BMP)
REF.: STORMWATER MANAGEMENT MANUAL
FOR THE PUGET SOUND BASIN, 2006



INLET PROTECTION DETAIL
NTS



NETS AND BLANKETS
SLOPE INSTALLATION
NTS

NOTES:
1.) SLOPE SURFACE SHALL BE SMOOTH BEFORE PLACEMENT FOR PROPER SOIL CONTACT.
2.) IF THERE IS A BERM AT THE TOP OF THE SLOPE, ANCHOR UPSLOPE OF THE BERM.
3.) STAPLING PATTERN AS PER MANUFACTURER'S RECOMMENDATIONS.
4.) DO NOT STRETCH BLANKETS/MATTINGS TIGHT-ALLOW THE ROLLS TO MOLD TO ANY IRREGULARITIES.
5.) FOR SLOPES LESS THAN 3H:1V, ROLLS MAY BE PLACED IN HORIZONTAL STRIPS.
6.) LIME, FERTILIZE AND SEED BEFORE INSTALLATION. PLANTING OF SHRUBS, TREES ETC SHOULD OCCUR AFTER INSTALLATION.

DESIGNED BY
LP
DRAWN BY
LMC
CHECKED BY



REICHHARDT & EBE
ENGINEERING, INC.
CONSULTING ENGINEERS
PO Box 978 423 Front St., Ste 201 Ph (360) 354-3687
Lynden, Washington 98264 Fax (360) 354-0407

CITY OF FERNDALE
2005 MAIN STREET
FERNDALE, WASHINGTON 98248

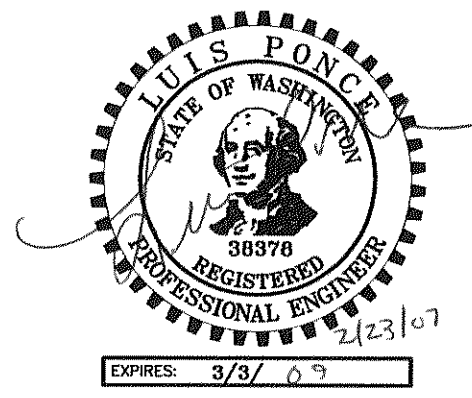
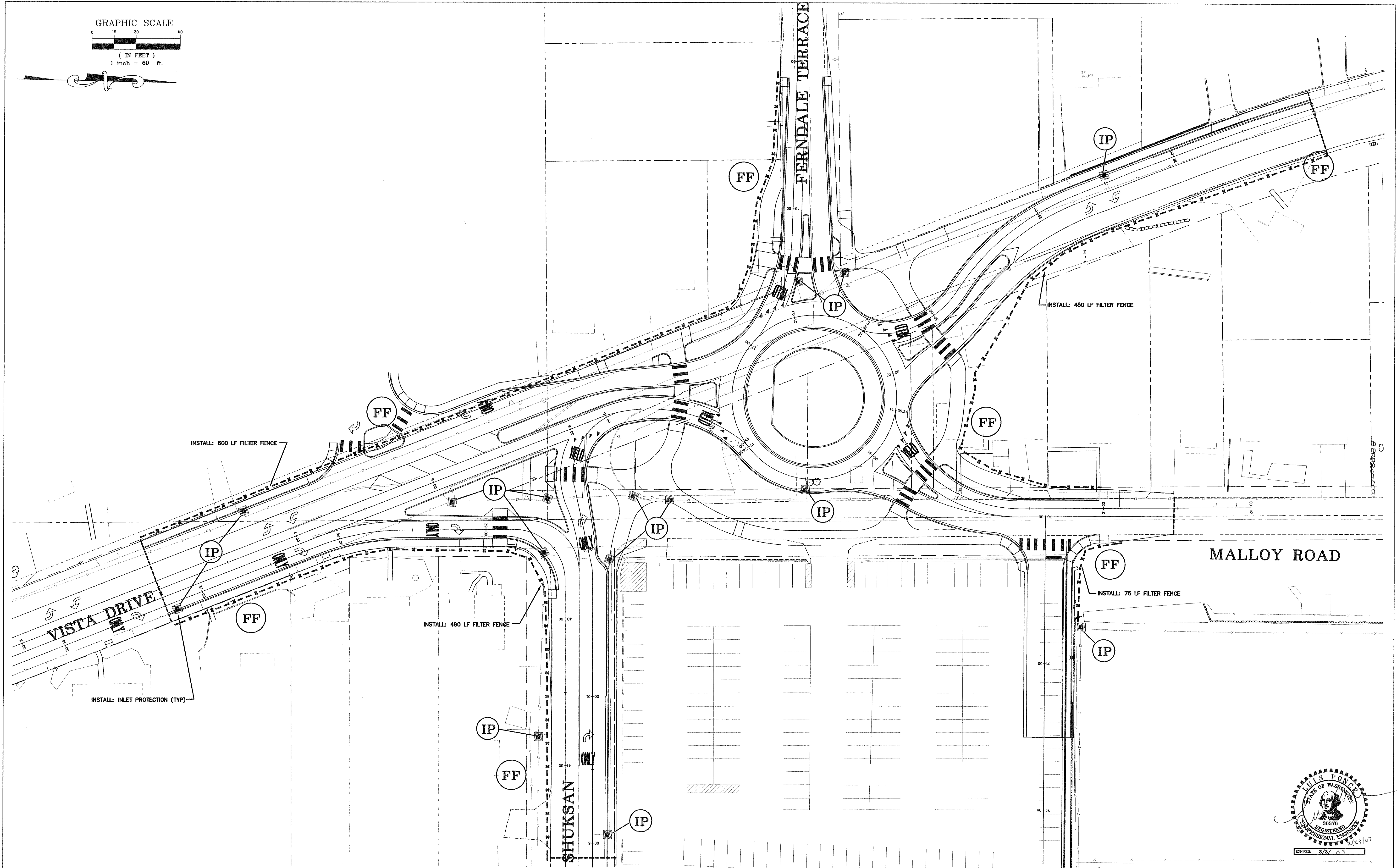
VISTA AND MALLOY
ROUNDAABOUT
EROSION CONTROL DETAILS

JOB# / DWG
02008 DET
SCALE
H: N/A V: N/A

DATE
2-23-07
SHEET
23 of 24



GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 inch = 60 ft.



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NO.	DATE	REVISION	BY

CITY OF FERNDAL
2095 MAIN STREET
FERNDAL, WASHINGTON 98248

VISTA AND MALLOY ROUNDABOUT
EROSION CONTROL PLAN

JOB# / DWG
02008 SP3.EC
SCALE
H: 1" = 30' V: N/A

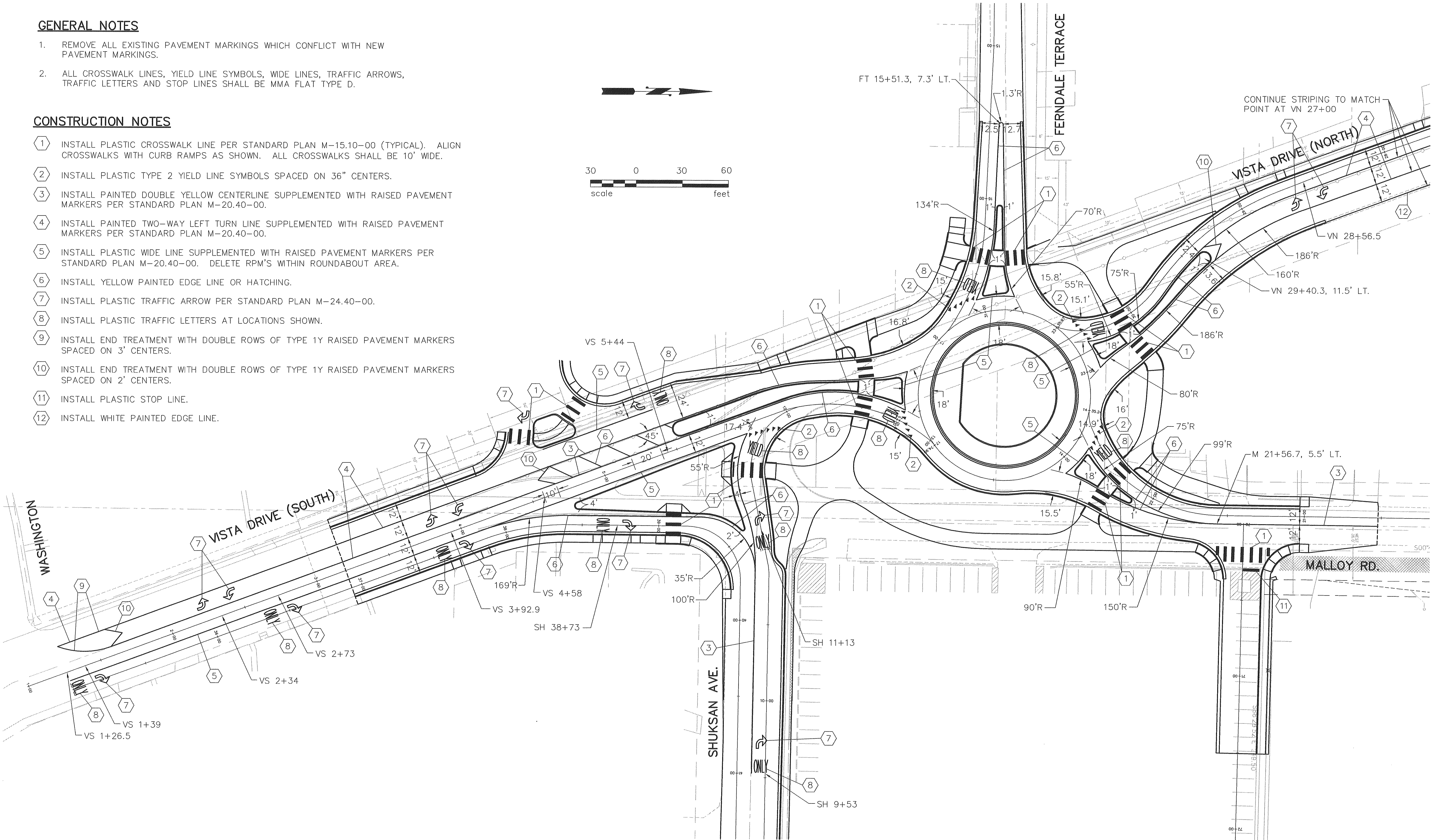
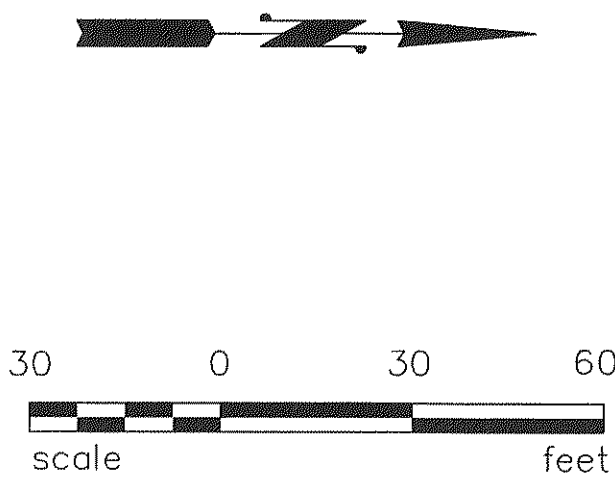
DATE
2-23-07
SHEET
24 of 24

GENERAL NOTES

1. REMOVE ALL EXISTING PAVEMENT MARKINGS WHICH CONFLICT WITH NEW PAVEMENT MARKINGS.
2. ALL CROSSWALK LINES, YIELD LINE SYMBOLS, WIDE LINES, TRAFFIC ARROWS, TRAFFIC LETTERS AND STOP LINES SHALL BE MMA FLAT TYPE D.

CONSTRUCTION NOTES

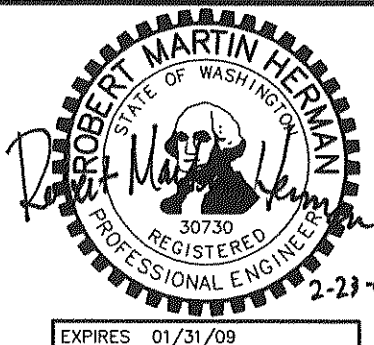
1. INSTALL PLASTIC CROSSWALK LINE PER STANDARD PLAN M-15.10-00 (TYPICAL). ALIGN CROSSWALKS WITH CURB RAMPS AS SHOWN. ALL CROSSWALKS SHALL BE 10' WIDE.
2. INSTALL PLASTIC TYPE 2 YIELD LINE SYMBOLS SPACED ON 36" CENTERS.
3. INSTALL PAINTED DOUBLE YELLOW CENTERLINE SUPPLEMENTED WITH RAISED PAVEMENT MARKERS PER STANDARD PLAN M-20.40-00.
4. INSTALL PAINTED TWO-WAY LEFT TURN LINE SUPPLEMENTED WITH RAISED PAVEMENT MARKERS PER STANDARD PLAN M-20.40-00.
5. INSTALL PLASTIC WIDE LINE SUPPLEMENTED WITH RAISED PAVEMENT MARKERS PER STANDARD PLAN M-20.40-00. DELETE RPM'S WITHIN ROUNDABOUT AREA.
6. INSTALL YELLOW PAINTED EDGE LINE OR HATCHING.
7. INSTALL PLASTIC TRAFFIC ARROW PER STANDARD PLAN M-24.40-00.
8. INSTALL PLASTIC TRAFFIC LETTERS AT LOCATIONS SHOWN.
9. INSTALL END TREATMENT WITH DOUBLE ROWS OF TYPE 1Y RAISED PAVEMENT MARKERS SPACED ON 3' CENTERS.
10. INSTALL END TREATMENT WITH DOUBLE ROWS OF TYPE 1Y RAISED PAVEMENT MARKERS SPACED ON 2' CENTERS.
11. INSTALL PLASTIC STOP LINE.
12. INSTALL WHITE PAINTED EDGE LINE.



DRAWN	RMH				
DESIGNED	RMH				
CHECKED	2/23/07 RMH				
PROJ. ENGR.					
DRAWING FILE	C.DWG				
DATE	REVISION	BY	APP'D		



CITY OF FERDALE
2095 Main Street
Ferndale, Washington 98248



HTE HERMAN TRAFFIC ENGINEERING

15324 Southeast 133rd Court, Renton, Washington 98059
425-277-1740 tel. 425-277-5718 fax hte@comcast.net

VISTA DRIVE / MALLOY ROAD IMPROVEMENTS
CITY OF FERDALE

PAVEMENT MARKING PLAN

C1

SHEET
OF
SHEETS

SIGN NO.	EXISTING SIGN
R-1	"RIGHT LANE MUST TURN RIGHT"
R-2	SCHOOL CROSSING
R-3	"STOP AHEAD"
R-4	SCHOOL CROSSING
R-5	"STOP"
R-6	NO RIGHT TURN
R-7	SCHOOL CROSSING
R-8	"STOP" & "4-WAY"
R-9	"STOP" & "4-WAY"
R-10	"STOP" & STREET NAMES
R-11	"STOP" & "4-WAY"
R-12	"STOP", "4-WAY" & STREET NAMES
R-13	"STOP"
R-14	NO PARKING
R-15	SCHOOL CROSSING
R-16	"NARROW SHOULDER"
R-17	"NO SHOULDER"
R-18	"NO LEFT TURN"
R-19	NO LEFT TURN, "2:30-2:45"
R-20	STREET NAMES

SIGN RELOCATION NOTE
RELOCATE EX. SIGN & POST

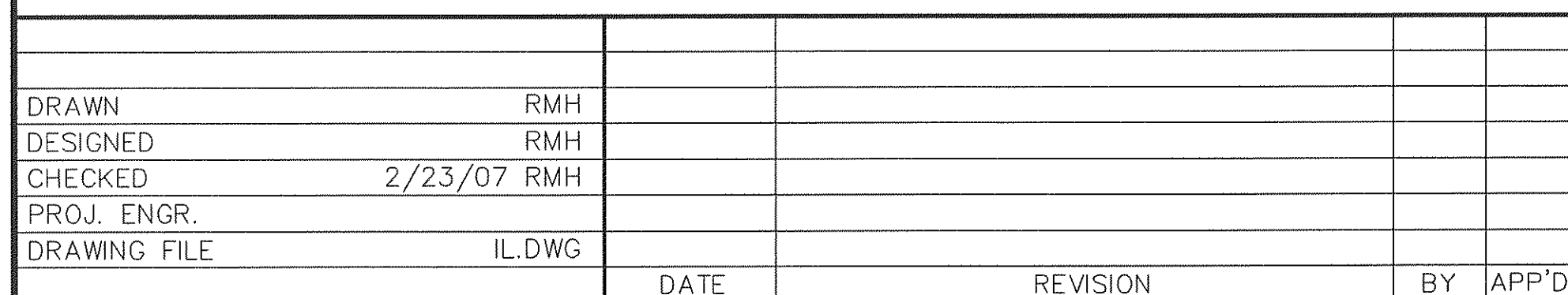
R-



POST-MOUNTED SIGN

→

LIGHT STANDARD-MOUNTED SIGN



15324 Southeast 133rd Court, Renton, Washington 98059
425-277-1740 tel. 425-277-5718 fax hte@comcast.net

SHEET
OF
SHEETS

SIGN SPECIFICATION




SIGN NO.	SIGN CODE AND DESCRIPTION	SIGN LOCATION		SIGN SIZE		POST MATERIAL	POST SIZE	POST LENGTH	CLRNC V	REMARKS
		STATION	OFFSET	X	Y					
1	R3-7R, "RIGHT LANE MUST TURN RIGHT"	VS 2+65.5	24' RT.	30"	30"	STEEL	2"	13'	7'	
2	S1-1, SCHOOL CROSSWALK	VS 3+24.5	24' RT.	36"	36"	STEEL	2"	13'	7'	
3	W16-7P, ARROW PLAQUE	VS 3+24.5	24' RT.	24"	12"					MOUNT BELOW #2
4	R3-7R, "RIGHT LANE MUST TURN RIGHT"	SH 38+22	13' RT.	30"	30"	STEEL	2"	13'	7'	
5	R3-2, NO LEFT TURN	VS 4+76.5	42.5' LT.	30"	30"	STEEL	2"	13'	7'	
6	W2-6P, "ROUNDAABOUT AHEAD"	VS 4+85.5	14.5' RT.	36"	18"	STEEL	2"	16'	11.5'	
7	W2-6, ROUNDAABOUT INTERSECTION	VS 4+85.5	14.5' RT.	36"	36"					MOUNT BELOW #6
8	W13-1, "15 MPH"	VS 4+85.5	14.5' RT.	18"	18"					MOUNT BELOW #7
9	S1-1, SCHOOL CROSSWALK	SH 38+86	14' RT.	36"	36"	LIGHT STANDARD			7'	MOUNT ON L.S. #9
10	W16-7P, ARROW PLAQUE	SH 38+86	14' RT.	24"	12"					MOUNT BELOW #9
11	R1-2, "YIELD"	VS 5+83	11' RT.	36"	36"	STEEL	2"	13'	7'	
12	R1-2, "YIELD"	VS 6+17.5	16.5' RT.	36"	36"	STEEL	2"	13'	7'	
13	D3-302 (MOD.), "SHUKSAN AVE"	SH 39+37.5	18.5' LT.	60"	12"	STEEL	2-2"	11'	7'	
14	W1-6, LARGE ARROW	VS 6+10	12.5' LT.	48"	24"	STEEL	2-2"	12'	7'	
15	S1-1, SCHOOL CROSSWALK	SH 11+41.5	12' RT.	36"	36"	STEEL	2"	13'	7'	
16	W16-7P, ARROW PLAQUE	SH 11+41.5	12' RT.	24"	12"					MOUNT BELOW #15
17	S1-1, SCHOOL CROSSWALK	VS 6+68.5	9.5' RT.	36"	36"	STEEL	2"	13'	7'	
18	W16-7P, ARROW PLAQUE	VS 6+68.5	9.5' RT.	24"	12"					MOUNT BELOW #17
19	W1-6, LARGE ARROW	SH 11+15	13.5' RT.	48"	24"					MOUNT BELOW #20
20	R3-5R, RIGHT ONLY	SH 11+15	13.5' RT.	30"	36"	LIGHT STANDARD			7'	MOUNT ON L.S. #8
21	R3-5R, RIGHT ONLY	SH 9+71	17.5' RT.	30"	36"	STEEL	2"	13'	7'	
22	D3-302 (MOD.), "VISTA DR"	VS 6+91	20' LT.	48"	12"	STEEL	2-2"	11'	7'	
23	R1-2, "YIELD"	VS 6+95.5	13' LT.	36"	36"	STEEL	2"	13'	7'	
24	R1-2, "YIELD"	VS 7+19.5	13.5' RT.	36"	36"	LIGHT STANDARD			7'	MOUNT ON L.S. #7
25	W2-6P, "ROUNDAABOUT AHEAD"	FT 14+81.5	11' RT.	36"	18"	STEEL	2"	16'	11.5'	
26	W2-6, ROUNDAABOUT INTERSECTION	FT 14+81.5	11' RT.	36"	36"					MOUNT BELOW #25
27	W13-1, "15 MPH"	FT 14+81.5	11' RT.	18"	18"					MOUNT BELOW #26
28	S1-1, SCHOOL CROSSWALK	FT 16+28.5	10.5' RT.	36"	36"	STEEL	2"	13'	7'	
29	W16-7P, ARROW PLAQUE	FT 16+28.5	10.5' RT.	24"	12"					MOUNT BELOW #28
30	S1-1, SCHOOL CROSSWALK	FT 16+38.5	35.5' LT.	36"	36"	STEEL	2"	13'	7'	
31	W16-7P, ARROW PLAQUE	FT 16+38.5	35.5' LT.	24"	12"					MOUNT BELOW #30
32	S1-1, SCHOOL CROSSWALK	VS 6+76	38' LT.	36"	36"	STEEL	2"	13'	7'	
33	W16-7P, ARROW PLAQUE	VS 6+76	38' LT.	24"	12"					MOUNT BELOW #32
34	R6-1R, "ONE WAY"	FT 17+00	26' LT.	36"	12"	STEEL	2"	12'	4.5'	
35	W1-8 (MOD.), DOUBLE CHEVRON	FT 17+00	26' LT.	36"	24"					MOUNT BELOW #34
36	R6-1R, "ONE WAY"	SH 13+13	25.5' LT.	36"	12"	STEEL	2"	12'	4.5'	
37	W1-8 (MOD.), DOUBLE CHEVRON	SH 13+13	25.5' LT.	36"	24"					MOUNT BELOW #36
38	R6-1R, "ONE WAY"	M 22+86	25' LT.	36"	12"	STEEL	2"	12'	4.5'	
39	W1-8 (MOD.), DOUBLE CHEVRON	M 22+86	25' LT.	36"	24"					MOUNT BELOW #38
40	R6-1R, "ONE WAY"	VN 30+67	25.5' LT.	36"	12"	STEEL	2"	12'	4.5'	
41	W1-8 (MOD.), DOUBLE CHEVRON	VN 30+67	25.5' LT.	36"	24"					MOUNT BELOW #40
42	D3-302 (MOD.), "FERNDALDE TER"	FT 16+53.5	16.5' LT.	66"	12"	STEEL	2-2"	11'	7'	
43	R1-2, "YIELD"	FT 16+81	14' RT.	36"	36"	LIGHT STANDARD			7'	MOUNT ON L.S. #4
44	R1-2, "YIELD"	FT 16+58.5	11' LT.	36"	36"	STEEL	2"	13'	7'	
45	R1-2, "YIELD"	VN 30+42.5	14' RT.	36"	36"	LIGHT STANDARD			7'	MOUNT ON L.S. #6
46	R1-2, "YIELD"	VN 30+26	11.5' LT.	36"	36"	STEEL	2"	13'	7'	
47	D3-302 (MOD.), "VISTA DR"	VN 30+24	16' LT.	48"	12"	STEEL	2-2"	11'	7'	
48	"SCHOOL SPEED LIMIT 20"	VN 29+34.5	11' RT.	EX.	EX.	EX.			7'	RELOCATE
49	S1-1, SCHOOL CROSSWALK	M 22+27	34.5' LT.	36"	36"	STEEL	2"	13'	7'	
50	W16-7P, ARROW PLAQUE	M 22+27	34.5' LT.	24"	12"					MOUNT BELOW #49
51	D3-302 (MOD.), "MALLOY RD"	M 22+41.5	18' LT.	54"	12"	STEEL	2-2"	11'	7'	
52	R1-2, "YIELD"	M 22+46	11.5' LT.	36"	36"	STEEL	2"	13'	7'	
53	R1-2, "YIELD"	M 22+63	14.5' RT.	36"	36"	LIGHT STANDARD			7'	MOUNT ON L.S. #11
54	S1-1, SCHOOL CROSSWALK	VN 29+99	10' RT.	36"	36"	STEEL	2"	13'	7'	
55	W16-7P, ARROW PLAQUE	VN 29+99	10' RT.	24"	12"					MOUNT BELOW #54
56	S1-1, SCHOOL CROSSWALK	VN 30+11	35' LT.	36"	36"	STEEL	2"	13'	7'	
57	W16-7P, ARROW PLAQUE	VN 30+11	35' LT.	24"	12"					MOUNT BELOW #56
58	S1-1, SCHOOL CROSSWALK	M 22+18	10.5' RT.	36"	36"	STEEL	2"	13'	7'	

SIGN SPECIFICATION CONTINUED

SIGN NO.	SIGN CODE AND DESCRIPTION	SIGN LOCATION		SIGN SIZE		POST MATERIAL	POST SIZE	POST LENGTH	CLRNC V	REMARKS
		STATION	OFFSET	X	Y					
59	W16-7P, ARROW PLAQUE	M 22+18	10.5' RT.	24"	12"					MOUNT BELOW #58
60	W2-6P, "ROUNDAABOUT AHEAD"	VN 27+93	11.5' RT.	36"	18"	STEEL	2"	16'	11.5'	
61	W2-6, ROUNDAABOUT INTERSECTION	VN 27+93	11.5' RT.	36"	36"					MOUNT BELOW #60
62	W13-1, "15 MPH"	VN 27+93	11.5' RT.	18"	18"					MOUNT BELOW #61
63	W2-6P, "ROUNDAABOUT AHEAD"	M 20+45.5	9.5' RT.	36"	18"	STEEL	2"	16'	11.5'	
64	W2-6, ROUNDAABOUT INTERSECTION	M 20+45.5	9.5' RT.	36"	36"					MOUNT BELOW #63
65	W13-1, "15 MPH"	M 20+45.5	9.5' RT.	18"	18"					MOUNT BELOW #64
66	R1-1, "STOP"	M 21+18	34' LT.	36"	36"	STEEL	2"	13'	7'	
67	R9-3a, NO PEDS	SH 39+42	16' RT.	18"	18"	STEEL	2"	12'	7.5'	
68	R9-3bR, "USE CROSSWALK"	SH 39+42	16' RT.	18"	12"					MOUNT BELOW #67
69	R9-3a, NO PEDS	SH 39+65	29' LT.	18"	18"	STEEL	2"	12'	7.5'	
70	R9-3bL, "USE CROSSWALK"	SH 39+65	29' LT.	18"	12"					MOUNT BELOW #69

SIGNING NOTES:

1. POST LENGTHS SHOWN ARE APPROXIMATE. FINAL VALUES SHALL BE DETERMINED IN THE FIELD PRIOR TO FABRICATION.
2. FOR STRUCTURE AND MOUNTING DETAILS, SEE WSDOT STANDARD PLAN SERIES "G".
3. FOR CODE REFERENCES AND STANDARD SIGN LAYOUT DETAILS SEE WSDOT "SIGN FABRICATION MANUAL".

							 <div>CITY OF FERDALE 2095 Main Street Ferndale, Washington 98248</div>		 <div>HERMAN TRAFFIC ENGINEERING 15324 Southeast 133rd Court, Renton, Washington 98059 425-277-1740 tel. 425-277-5718 fax hte@comcast.net</div>	VISTA DRIVE / MALLOY ROAD IMPROVEMENTS CITY OF FERDALE	S2	
DRAWN RMH												SHEET
DESIGNED RMH												OF
CHECKED 2/23/07 RMH												SHEETS
PROJ. ENGR.												
DRAWING FILE IL.DWG												
	DATE		REVISION		BY	APP'D						

CONSTRUCTION NOTES

- 1

INSTALL FOUNDATION, LIGHT STANDARD AND LUMINAIRE. LIGHT STANDARDS SHALL HAVE DOUBLE ARMS WHERE SHOWN. USE WSDOT STANDARD PLANS J-1b AND J-1e AND FOUNDATION DETAIL ON SHEET IL2. SEE POLE SCHEDULE THIS SHEET.
- 2

INSTALL FOUNDATION AND ELECTRICAL SERVICE CABINET. USE BELLINGHAM STANDARD DRAWINGS EL-400 AND EL-444.
- 3

COORDINATE WITH PUGET SOUND ENERGY FOR INSTALLATION OF LUMINAIRE AND ARM ON EXISTING OR RELOCATED UTILITY POLE. SEE POLE SCHEDULE.
- 4

ROUTE SERVICE ENTRANCE CONDUIT AND CONDUCTORS TO EXISTING UTILITY POLE PER PUGET SOUND ENERGY REQUIREMENTS. COORDINATE WITH PSE FOR SERVICE CONNECTION.

POLE SCHEDULE

POLE NO.	STREET	POLE LOCATION	POLE OFFSET	LAMP WATTAGE	H1 HEIGHT	MAST ARM(S)	CIRCUIT NO.	REMARKS
1	VISTA DR. (SOUTH)	2+57	36.5' LT.	200	30'	8'	PSE	EX. UTILITY POLE
2	VISTA DR. (SOUTH)	5+28	49' LT.	200	30'	8'	PSE	RELOCATED UTILITY POLE
3	VISTA DR. (SOUTH)	6+24.5	37.3' LT.	150	35'	8'	1	
4	FERNDALE TER.	16+81.2	14' RT.	150	35'	6'	1	
5	FERNDALE TER.	15+70	29.2' LT.	150	35'	6'	1	
6	VISTA DR. (NORTH)	30+42.6	14.2' RT.	2-150	35'	2-6'	1	
7	VISTA DR. (SOUTH)	7+19.3	13.4' RT.	2-150	35'	2-6'	1	
8	SHUKSAN AVE.	11+15.2	13.5' RT.	2-150	35'	2-6'	1	
9	SHUKSAN AVE.	38+85.9	14' RT.	150	35'	6'	1	
10	VISTA DR. (NORTH)	29+25.5	34.7' LT.	150	35'	6'	2	
11	MALLOY RD.	22+63.1	14.5' RT.	2-150	35'	2-6'	2	
12	SHUKSAN AVE.	13+64.1	14.6' RT.	2-150	35'	2-6'	2	
13	MALLOY RD.	21+74.3	28.4' LT.	150	35'	10'	2	
14	MALLOY RD.	21+06	25.6' LT.	150	35'	8'	2	

- NOTES:
1.

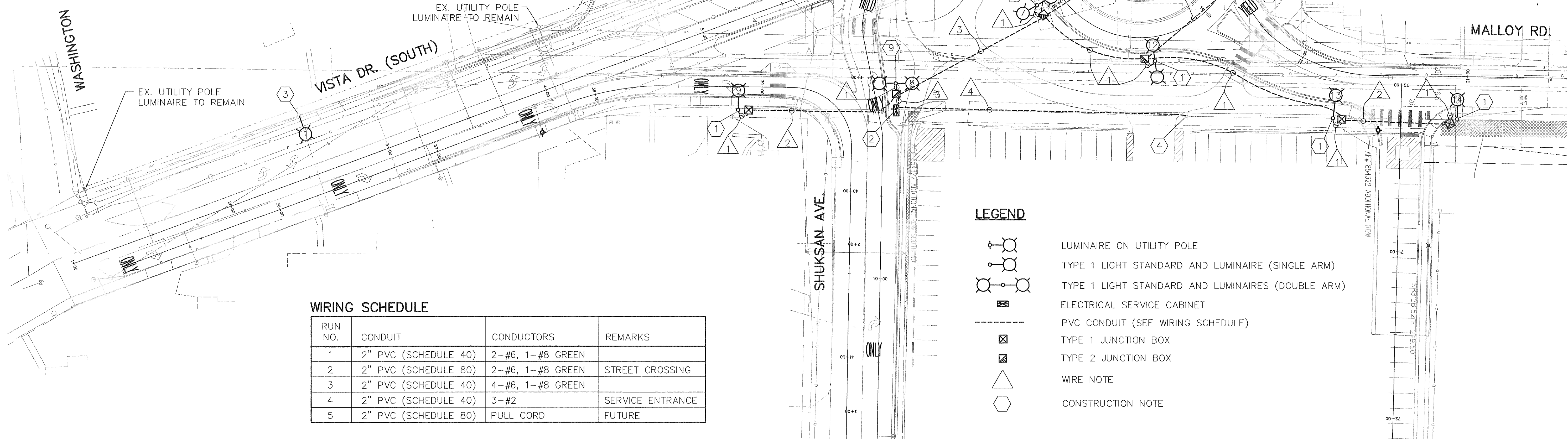
ALL LUMINAIRES SHALL BE HIGH PRESSURE SODIUM TYPE WITH M-C-III DISTRIBUTION.
2.

ALL LIGHT STANDARD BASES SHALL BE FIXED TYPE.
3.

LIGHT STANDARDS SHALL BE ORIENTED AS SHOWN.

BREAKER SCHEDULE

CIRCUITS	BREAKER RATING	CONTACTOR	VOLTAGE
MAIN	100 AMPS		
SIGNAL	50 AMPS		120
CONTROL	15 AMPS		120
RECEPTACLE	20 AMPS		120
ILLUM. 1	40 AMPS	60 AMPS	240
ILLUM. 2	40 AMPS	60 AMPS	240



WIRING SCHEDULE

RUN NO.	CONDUIT	CONDUCTORS	REMARKS
1	2" PVC (SCHEDULE 40)	2-#6, 1-#8 GREEN	
2	2" PVC (SCHEDULE 80)	2-#6, 1-#8 GREEN	STREET CROSSING
3	2" PVC (SCHEDULE 40)	4-#6, 1-#8 GREEN	
4	2" PVC (SCHEDULE 40)	3-#2	SERVICE ENTRANCE
5	2" PVC (SCHEDULE 80)	PULL CORD	FUTURE

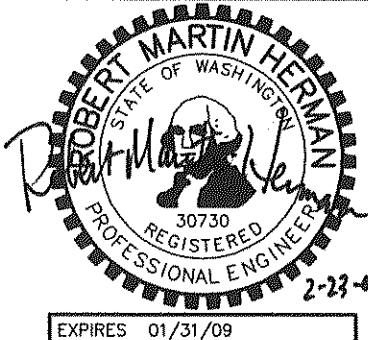
LEGEND

- LUMINAIRE ON UTILITY POLE
- TYPE 1 LIGHT STANDARD AND LUMINAIRE (SINGLE ARM)
- TYPE 1 LIGHT STANDARD AND LUMINAIRES (DOUBLE ARM)
- ELECTRICAL SERVICE CABINET
- PVC CONDUIT (SEE WIRING SCHEDULE)
- TYPE 1 JUNCTION BOX
- TYPE 2 JUNCTION BOX
- WIRE NOTE
- CONSTRUCTION NOTE

DRAWN	RMH				
DESIGNED	RMH				
CHECKED	2/23/07 RMH				
PROJ. ENGR.					
DRAWING FILE	IL.DWG				
DATE		REVISION		BY	APP'D



CITY OF FERNDALE
2095 Main Street
Ferndale, Washington 98248



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HERMAN TRAFFIC ENGINEERING

15324 Southeast 133rd Court, Renton, Washington 98059
425-277-1740 tel. 425-277-5718 fax hte@comcast.net

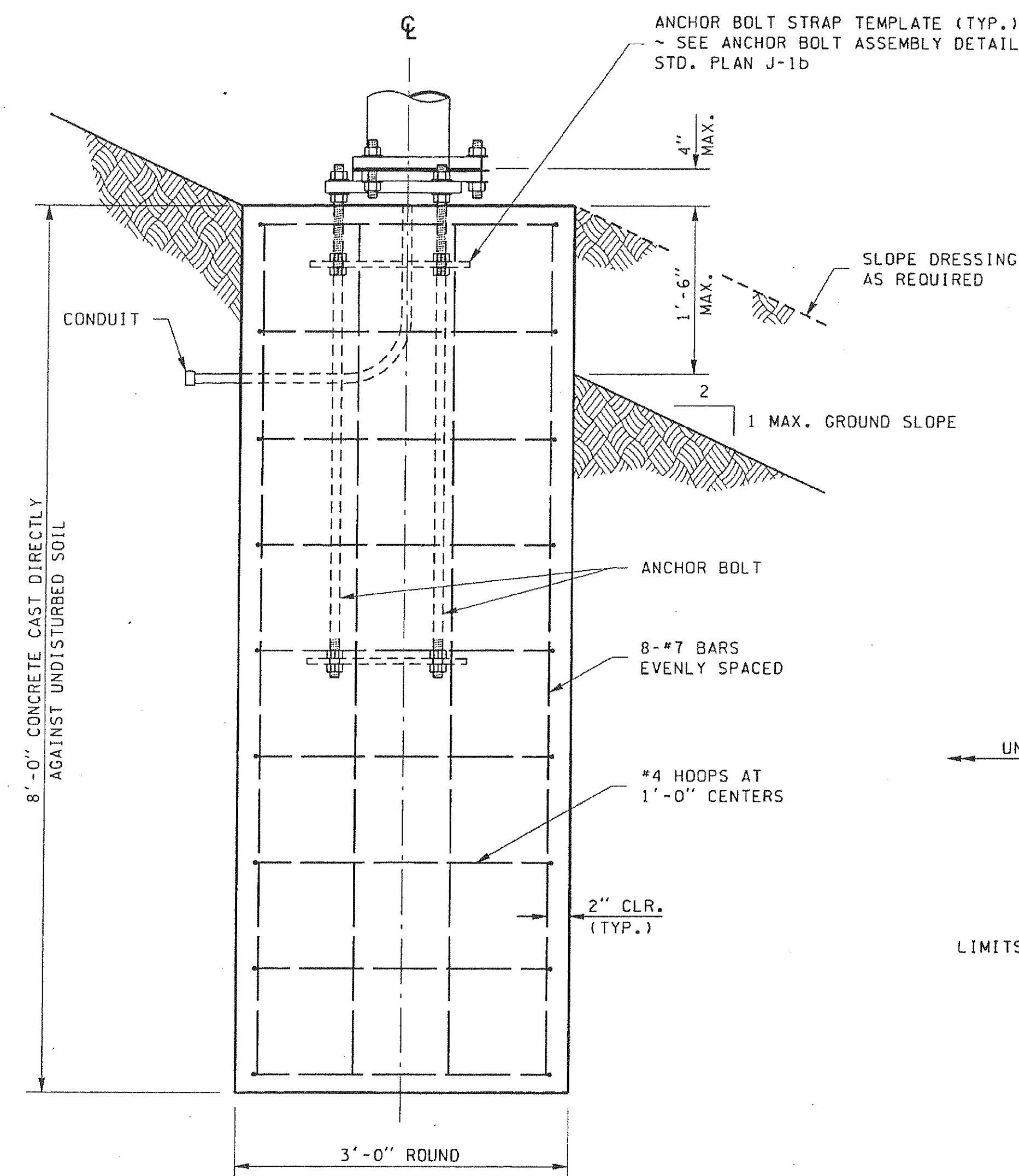
VISTA DRIVE / MALLOY ROAD IMPROVEMENTS
CITY OF FERNDALE

ILLUMINATION PLAN

IL1
SHEET
OF
SHEETS

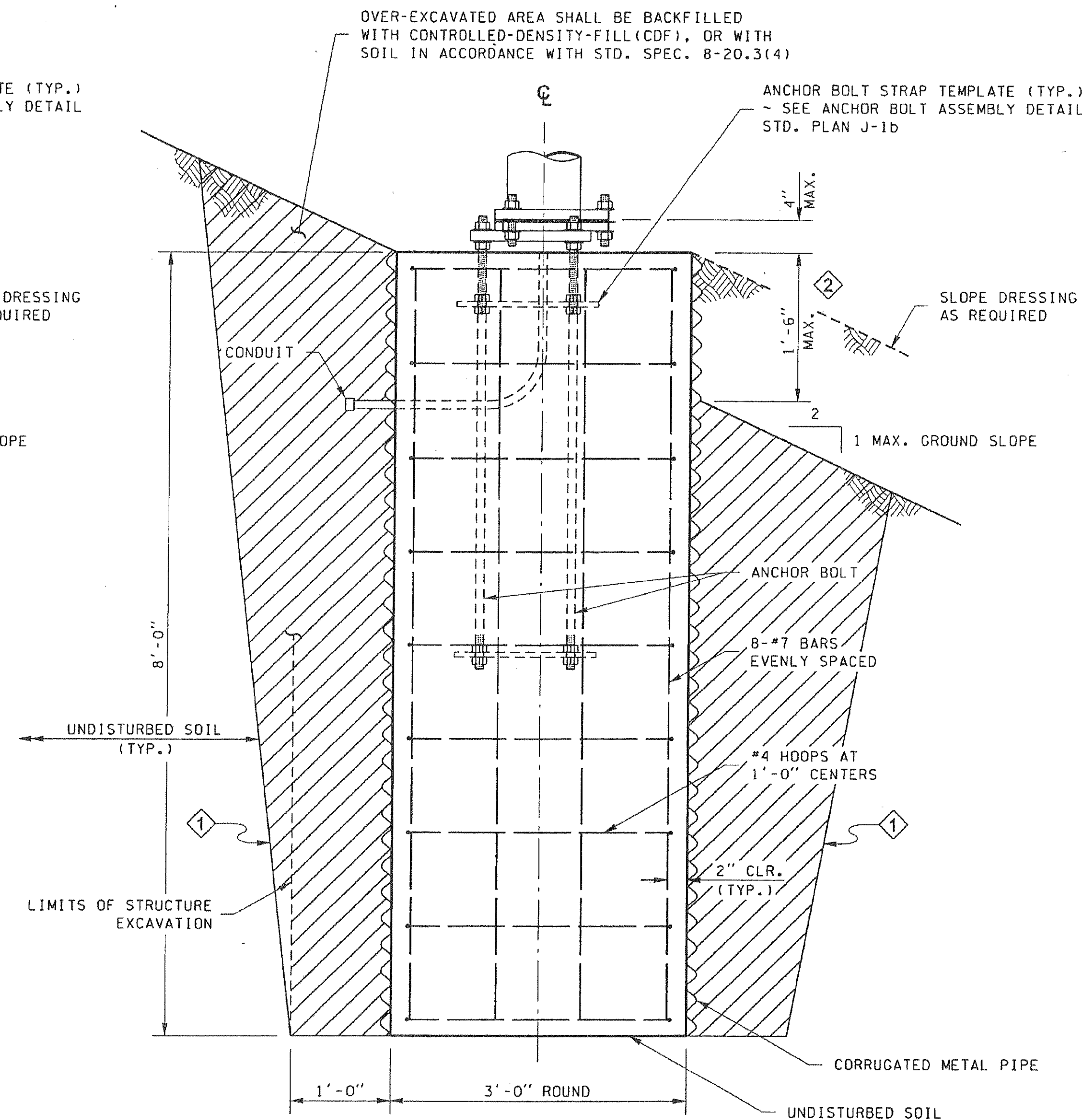
- ① TEMPORARY SLOPE OR SHORE AS REQUIRED
- ② ANY EXPOSED TOP PORTION (1'-6" MAX.) OF THE FOUNDATION SHALL BE FORMED TO CREATE A SMOOTH CONCRETE SURFACE. ALL FORMING SHALL BE REMOVED UPON COMPLETION OF FOUNDATION CONSTRUCTION.

OVER-EXCAVATED AREA SHALL BE BACKFILLED
- WITH CONTROLLED-DENSITY-FILL(CDF), OR WITH
SOIL IN ACCORDANCE WITH STD. SPEC. 8-20.3(4)



FOUNDATION REINFORCEMENT DETAIL
CONCRETE CAST DIRECTLY AGAINST UNDISTURBED SOIL




ALTERNATE # 1



FOUNDATION REINFORCEMENT AND BACKFILL DETAIL
CONCRETE CAST INSIDE CORRUGATED METAL PIPE STAY-IN-PLACE FORM.
PAPER OR CARDBOARD FORM SHALL NOT BE USED BENEATH THE GROUND SURFACE. (2)

ALTERNATE # 2

[illegible]

							 <div>CITY OF FERDALE 2095 Main Street Ferndale, Washington 98248</div>		 <div>HERMAN TRAFFIC ENGINEERING 15324 Southeast 133rd Court, Renton, Washington 98059 425-277-1740 tel. 425-277-5718 fax hte@comcast.net</div>	VISTA DRIVE / MALLOY ROAD IMPROVEMENTS CITY OF FERDALE		IL2			
DRAWN RMH														SHEET	
DESIGNED RMH															OF
CHECKED 2/23/07 RMH															SHEETS
PROJ. ENGR.															
DRAWING FILE IL.DWG															
	DATE		REVISION		BY	APP'D				LIGHT STANDARD FOUNDATION DETAIL					