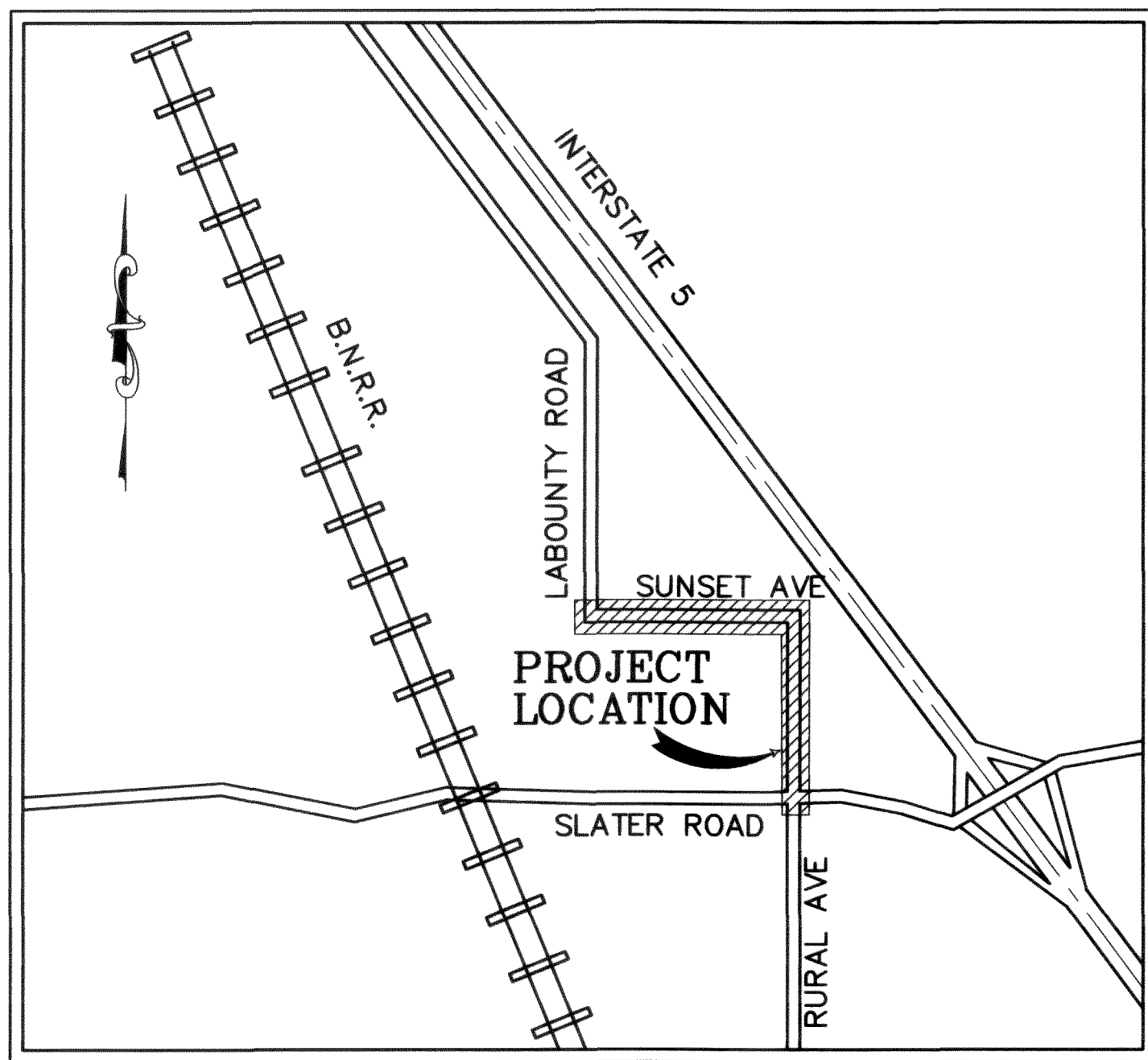


RURAL & SUNSET AVENUES

STREET IMPROVEMENTS

CITY OF FERNDALE

VICINITY MAP



NTS

"I HEREBY CERTIFY THAT THE IMPROVEMENTS IN RURAL & SUNSET AVENUES STREET IMPROVEMENTS PROJECT HAVE BEEN INSPECTED BY REICHHARDT & EBE ENGINEERING, INC. AND CONSTRUCTED IN CONFORMANCE WITH THE PLANS APPROVED BY THE PUBLIC WORKS DIRECTOR FOR SAID DEVELOPMENT AND THE GENERAL SPECIFICATIONS ADOPTED BY THE CITY OF FERNDALE DEPARTMENT OF PUBLIC WORKS"



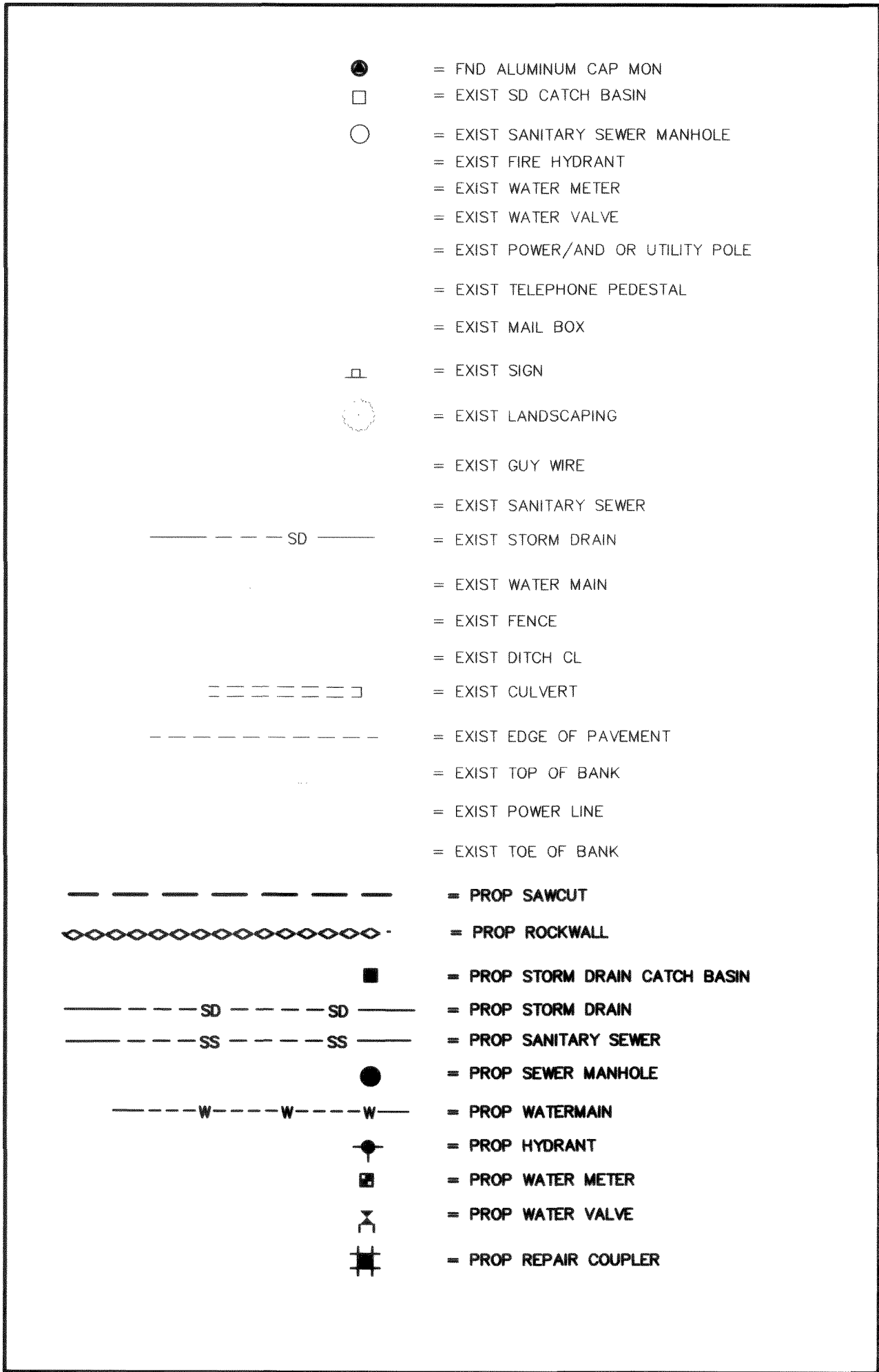
8/1/05

EXPIRES 2/16/07

SHEET INDEX

- | | |
|--|---------------------------|
| C1.) COVER SHEET | CH1.) CHANNELIZATION PLAN |
| S1.) SITE PLAN | CH2.) CHANNELIZATION PLAN |
| P1.) STREET IMPROVEMENTS
STA 2+00 TO 7+75 | DT1.) DETAIL SHEET |
| P2.) STREET IMPROVEMENTS
STA 7+75 TO 14+00 | DT2.) DETAIL SHEET |
| P3.) STREET IMPROVEMENTS
STA 14+00 TO 20+00 | DT3.) DETAIL SHEET |
| P4.) STREET IMPROVEMENTS
STA 20+00 TO 22+50 | SL1.) STREET LIGHT PLAN |
| P5.) STREET IMPROVEMENTS
STA 22+50 TO 28+50 | SL2.) STREET LIGHT PLAN |
| P6.) STREET IMPROVEMENTS
STA 28+50 TO 34+50 | TS-1) SIGNAL PLAN |
| P7.) STREET IMPROVEMENTS
STA 34+50 TO 38+00 | TS-2) SIGNAL NOTES |
| P8.) STREET IMPROVEMENTS
STA 38+00 TO 43+50 | TS-3) WIRING DIAGRAM |
| P9.) STREET IMPROVEMENTS
SLATER ROAD STA 3+50 TO 9+50 | TS-4) POLE DETAILS |
| P10.) STREET IMPROVEMENTS
SLATER ROAD STA 9+50 TO 15+00 | |
| P11.) BYPASS STORM STA 0+00 TO 6+00 | |
| P12.) BYPASS STORM STA 6+00 TO 9+50 | |
| P13.) DETENTION POND-INFLOW | |
| P14.) DETENTION POND-INFLOW | |
| P15.) DETENTION POND-OUTFLOW | |

LEGEND



DATE:
7-28-05

AS-BUILT

FA NO. REV-804(001)

DESIGNED BY
DLB
DRAWN BY
LMC
CHECKED BY
GDE



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

NO.

DATE

REVISION

BY

CITY OF FERNDALE
2005 MAIN STREET
FERNDALE, WASHINGTON 98248

RURAL AND SUNSET
STREET IMPROVEMENTS
COVER SHEET

JOB# / DWG

00010 SP1.AB

SCALE

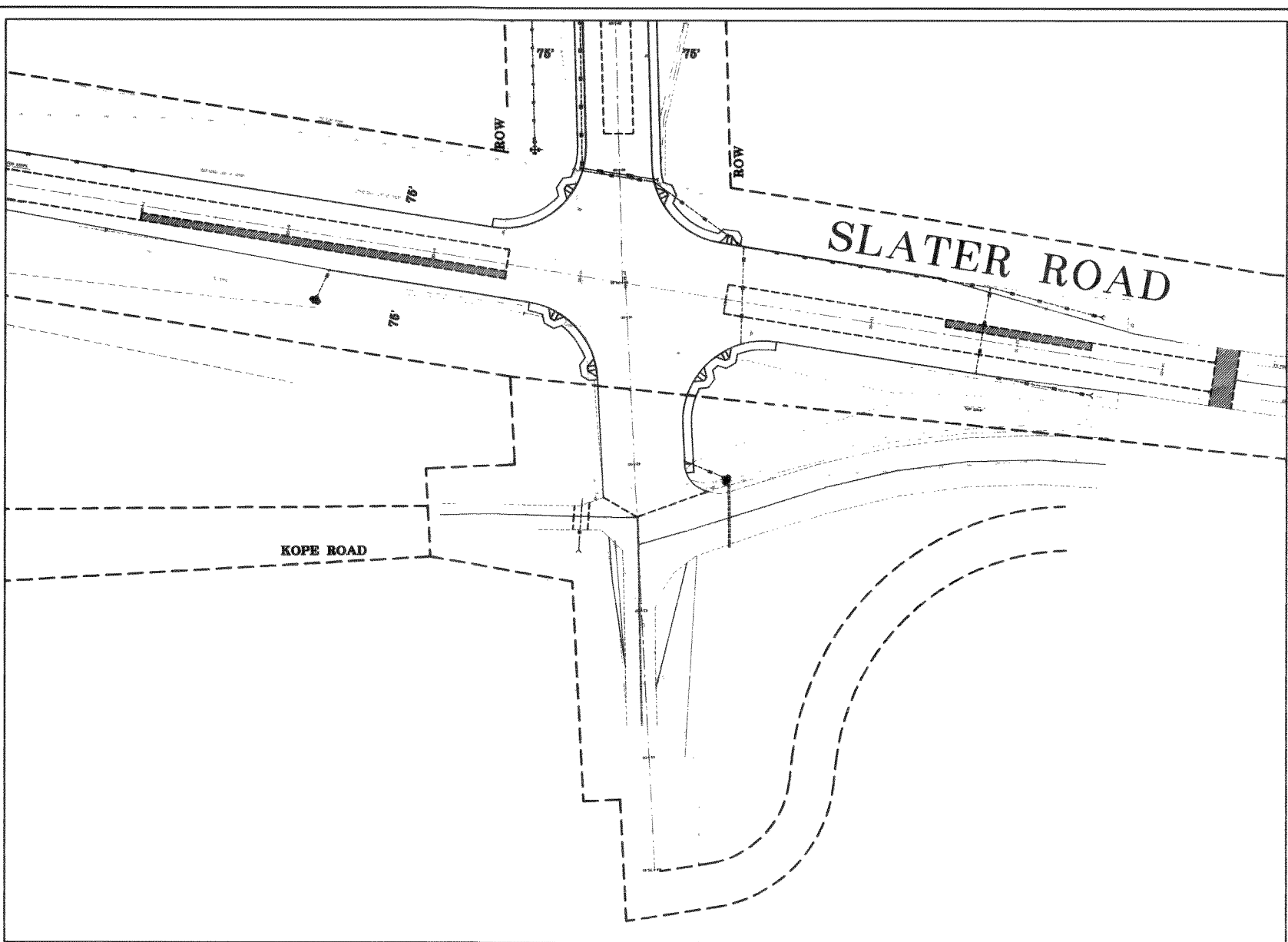
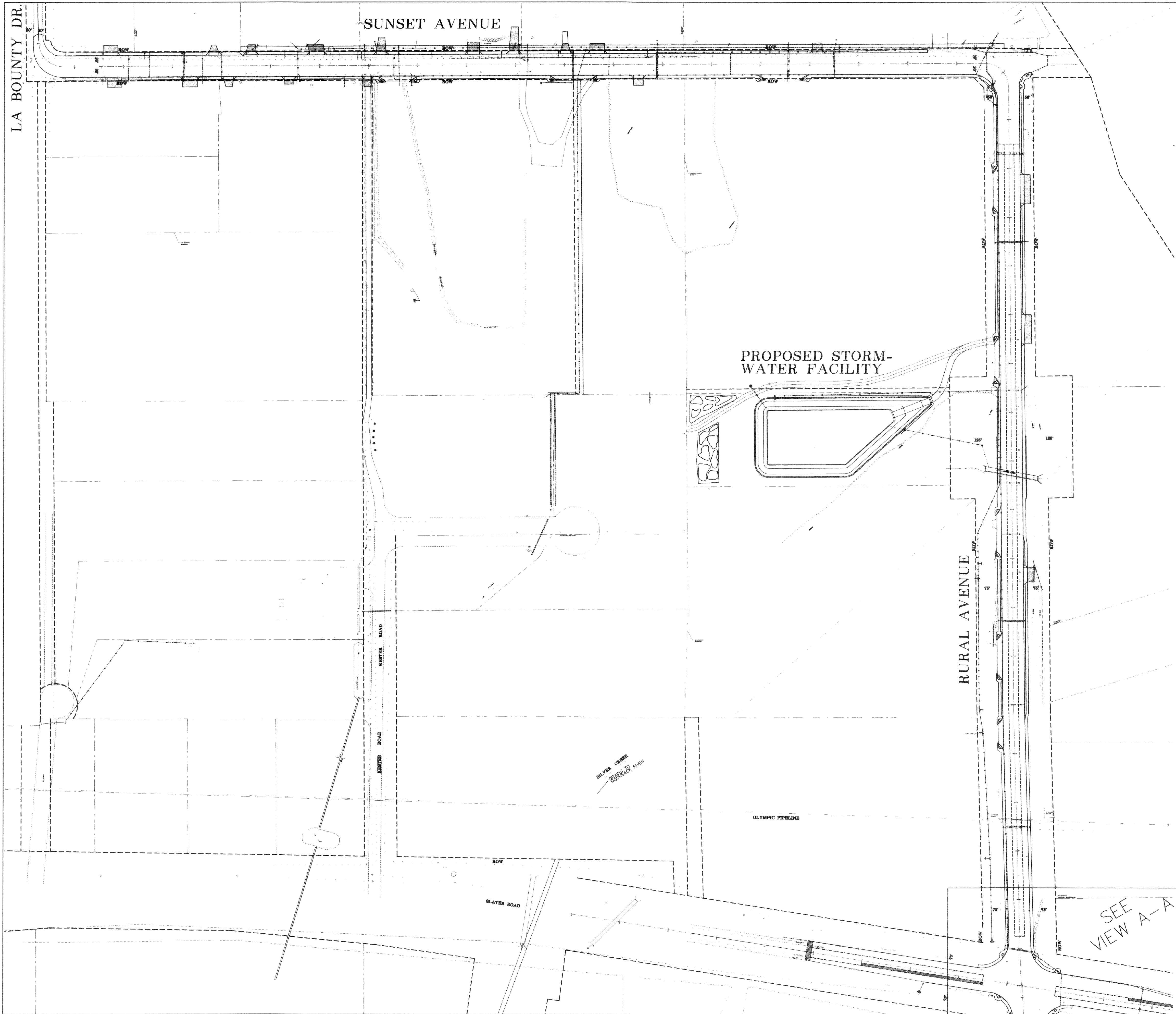
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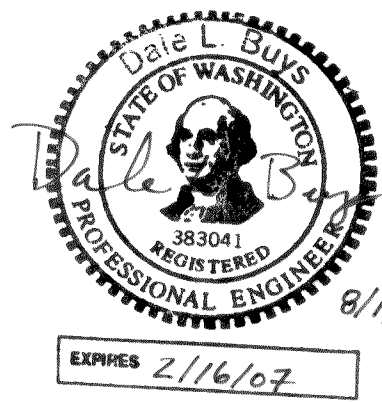
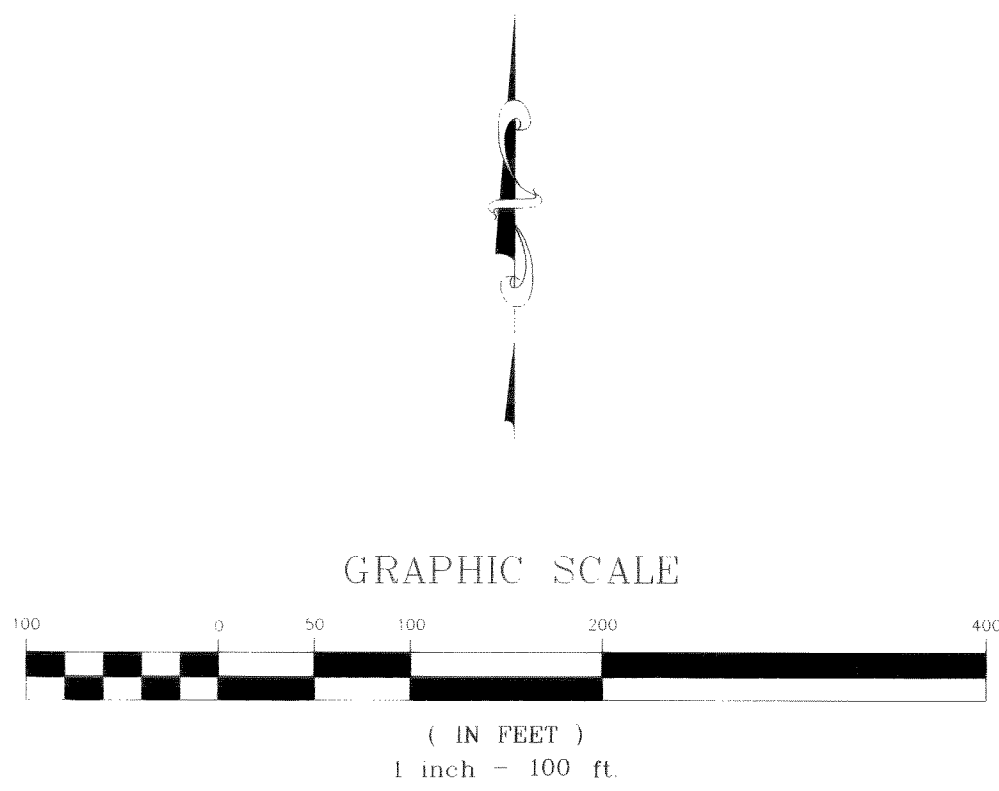
6-3-03

SHEET

C1



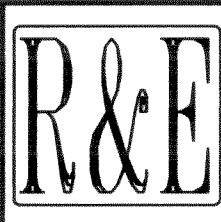
VIEW A-A



DATE: 7-28-05
AS-BUILT

FA NO. REV-8041(001)

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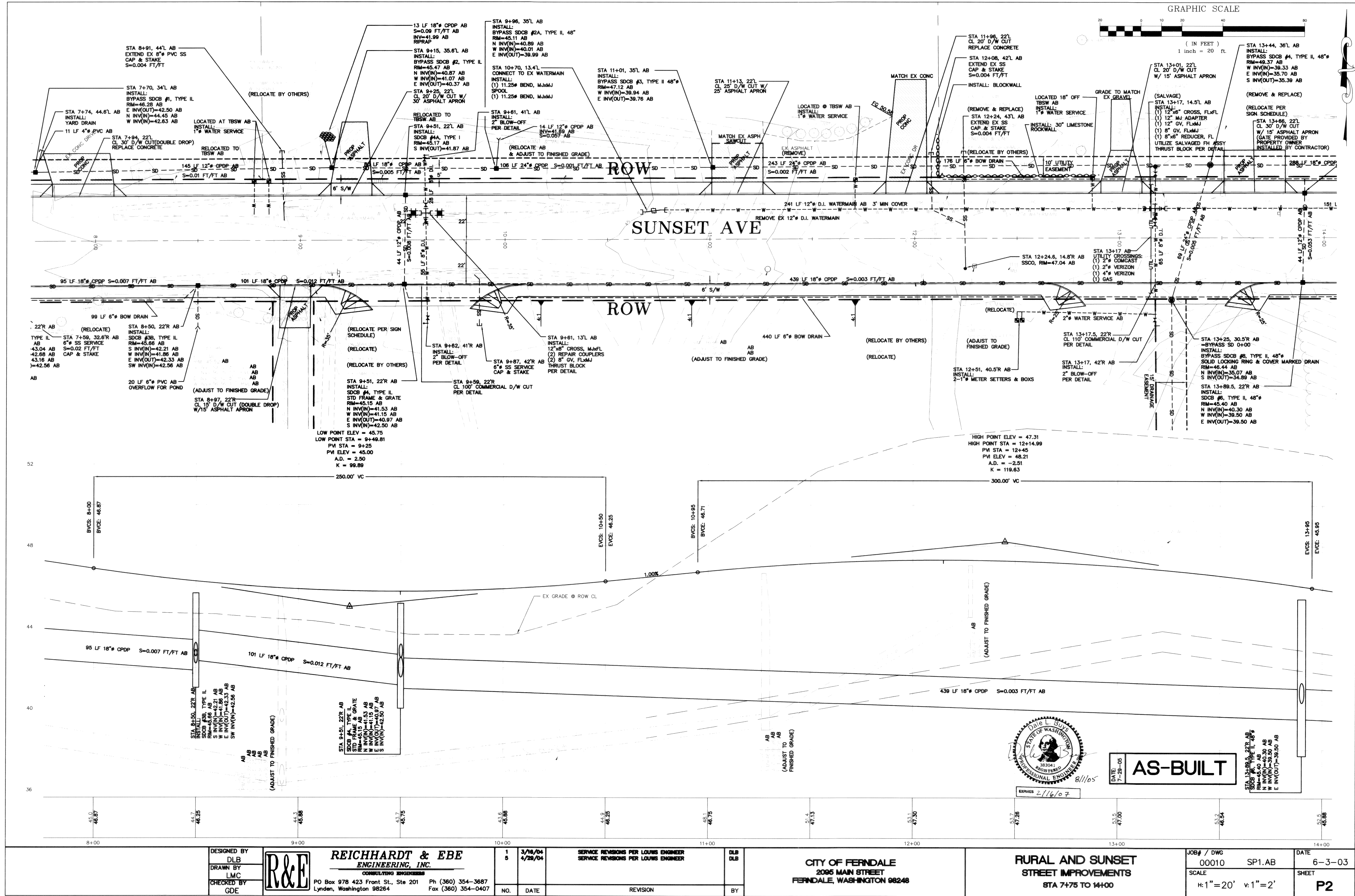
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NO.	DATE	REVISION	BY

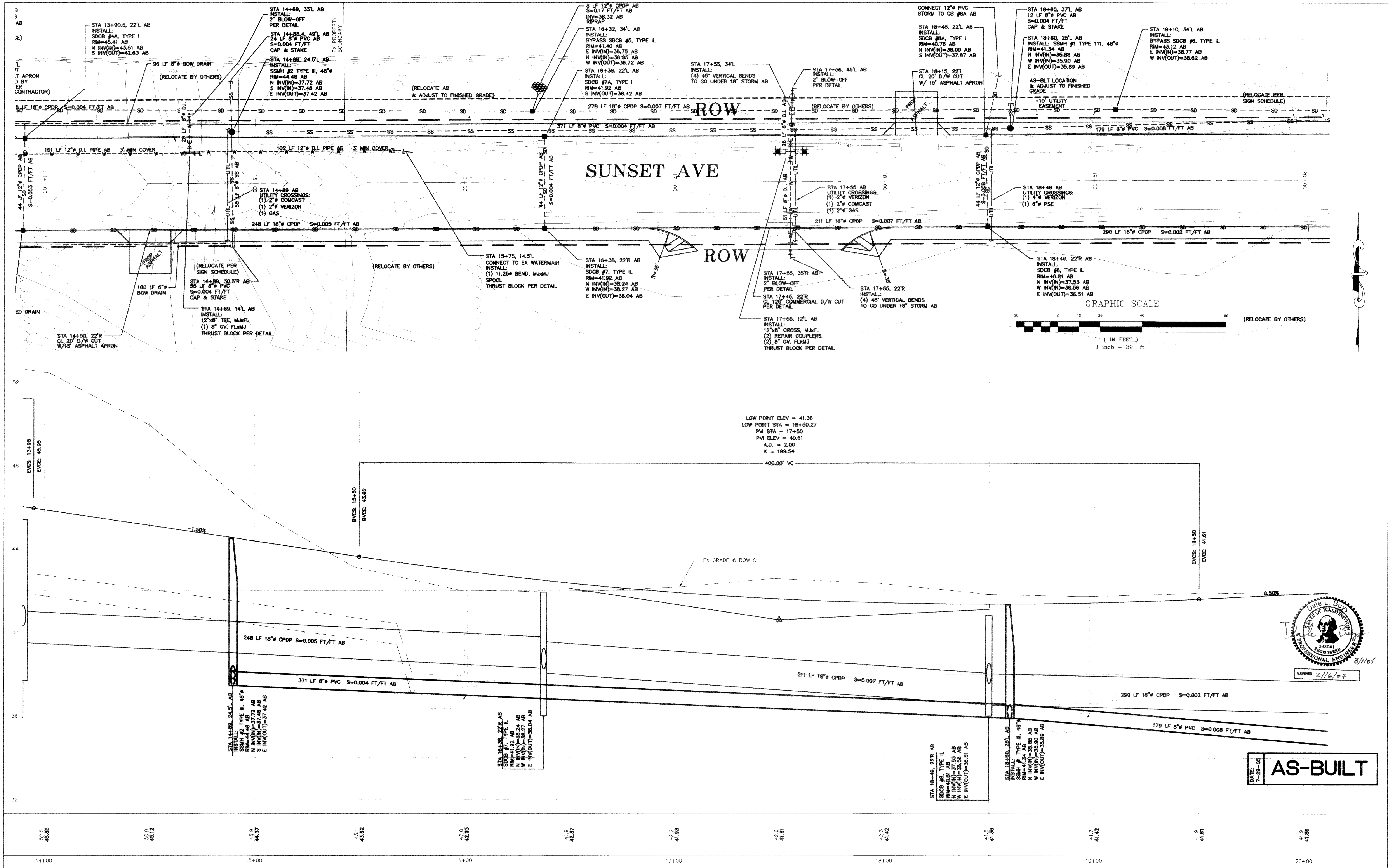
CITY OF FERDALE
2095 MAIN STREET
FERDALE, WASHINGTON 98248

**RURAL AND SUNSET
SITE PLAN**

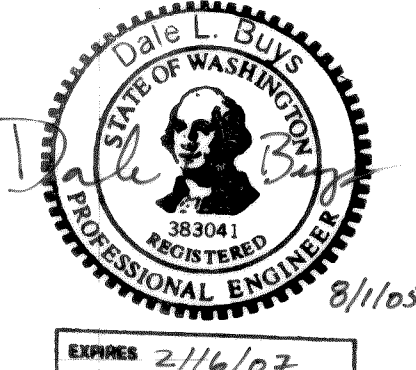
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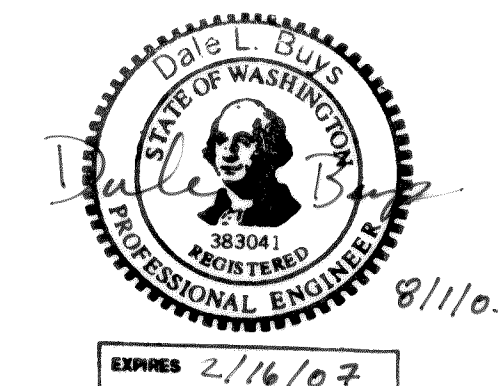
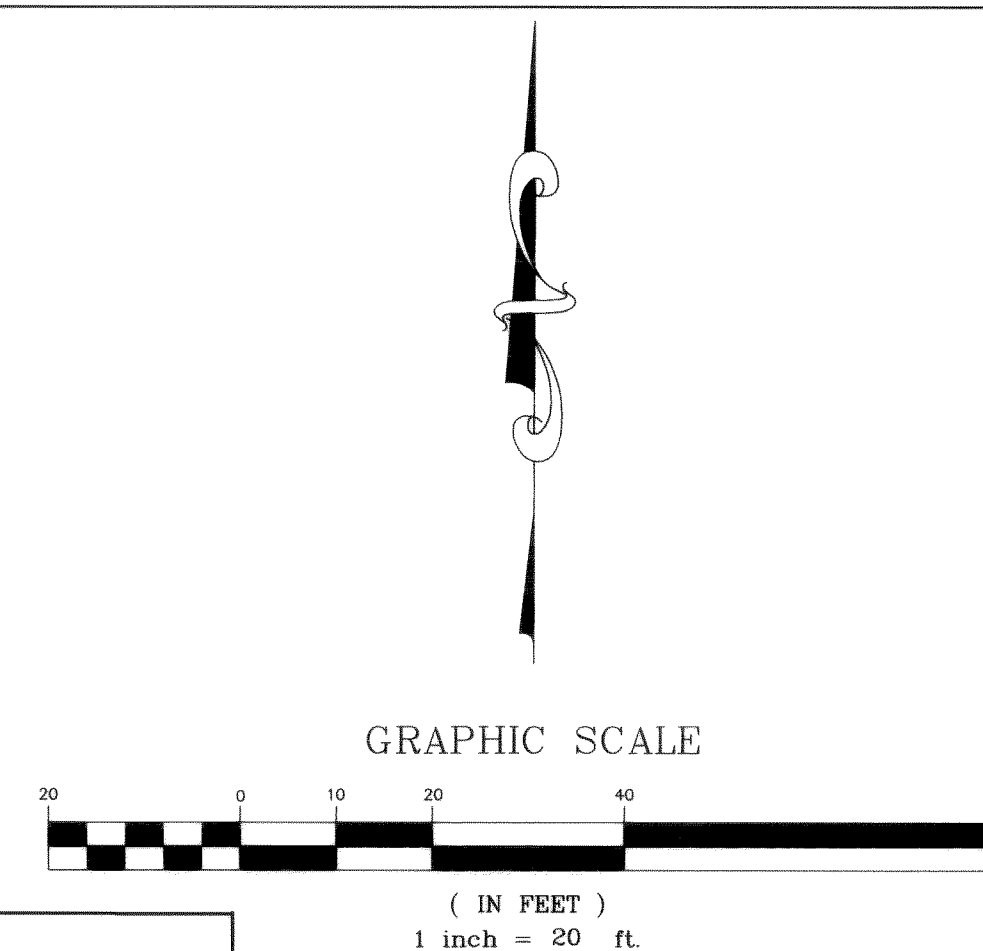
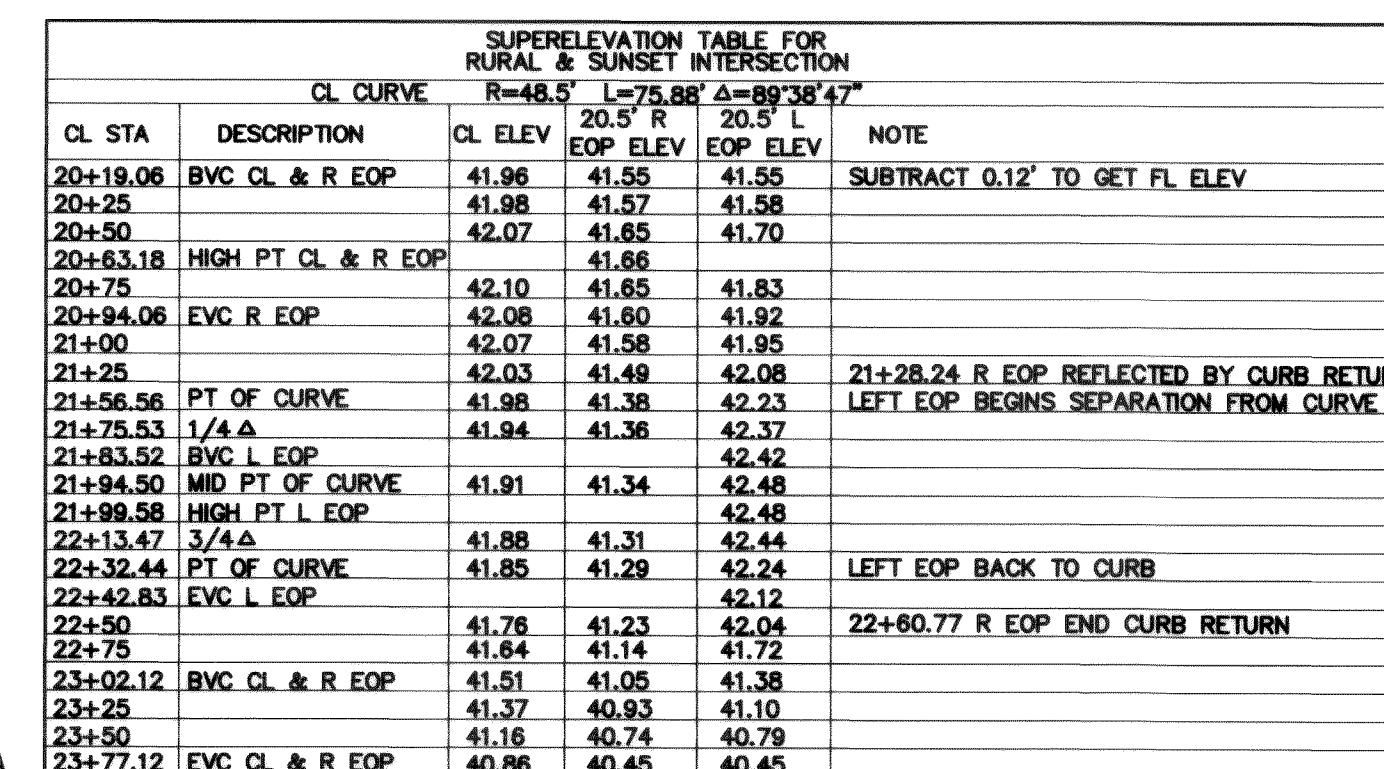
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FA NO. REV-804(001)	DESIGNED BY		REICHARDT & EBE <i>ENGINEERING, INC.</i> CONSULTING ENGINEERS PO Box 978 423 Front St., Ste 201 Lynden, Washington 98264 Ph (360) 354-3687 Fax (360) 354-0407		2	3/23/04	SANITARY SEWER TO GET AWAY FROM UTILITY POLES	DLB	CITY OF FERNDALE 2005 MAIN STREET FERNDALE, WASHINGTON 98248	RURAL AND SUNSET STREET IMPROVEMENTS STA 14+00 TO 20+00	JOB# / DWG	DATE
	DLB				00010	SP1.AB	6-3-03					
	DRAWN BY				LMC	SCALE	SHEET					
CHECKED BY	GDE				NO.	DATE	REVISION	BY			H: 1"=20' V: 1"=2'	P3



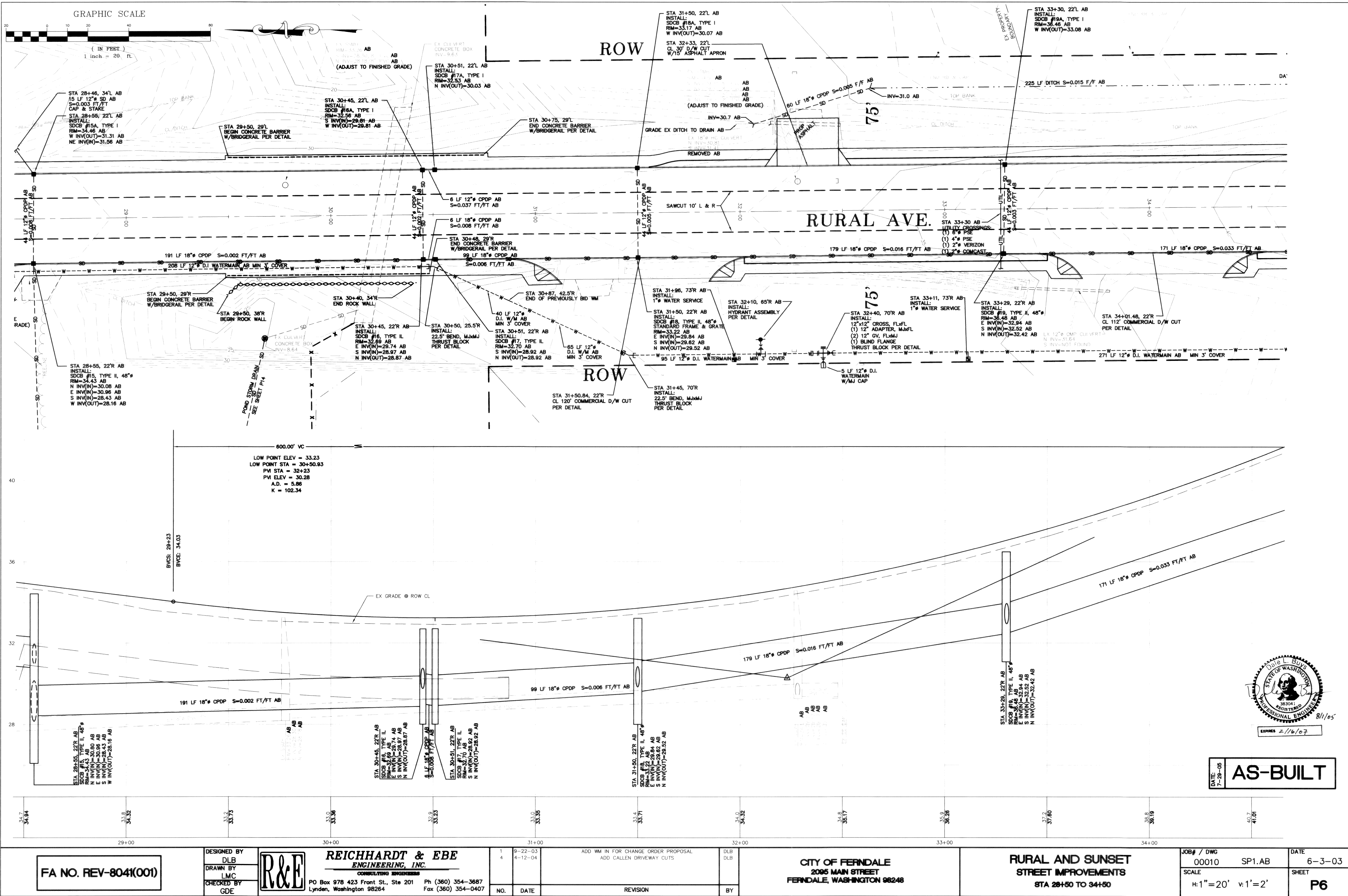
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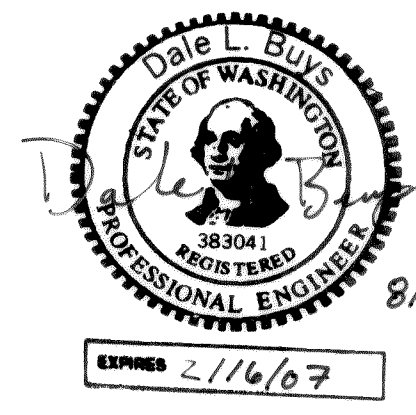
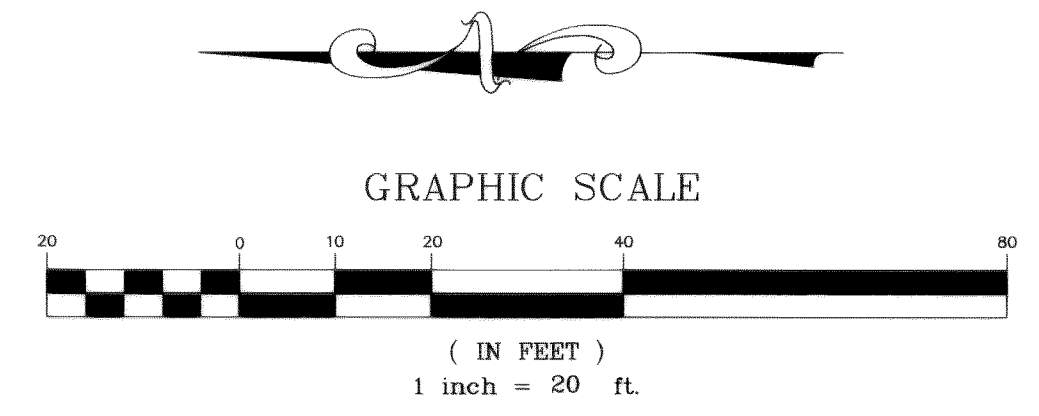
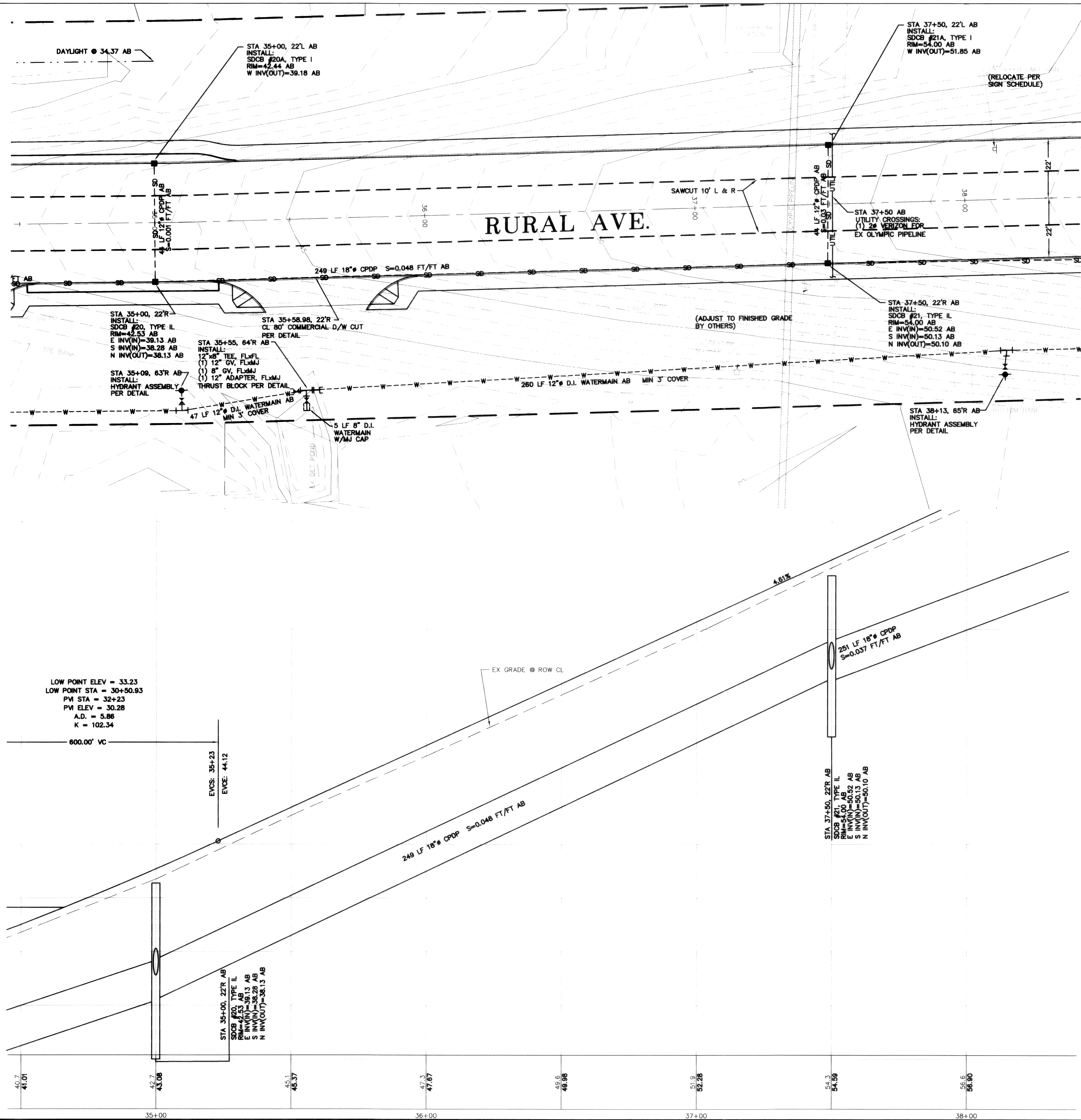
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JOB# / DWG 00010 SP1.AB	DATE 6-3-03
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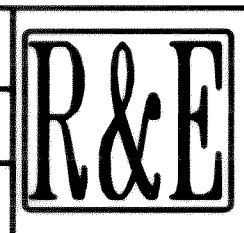
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DATE: 7-29-06
AS-BUILT

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1
4
9-22-03
4-12-04
NO. DATE

ADD WM IN FOR CHANGE ORDER PROPOSAL
ADD CALLEN DRIVEWAY CUTS
REVISION

DLB
DLB
BY

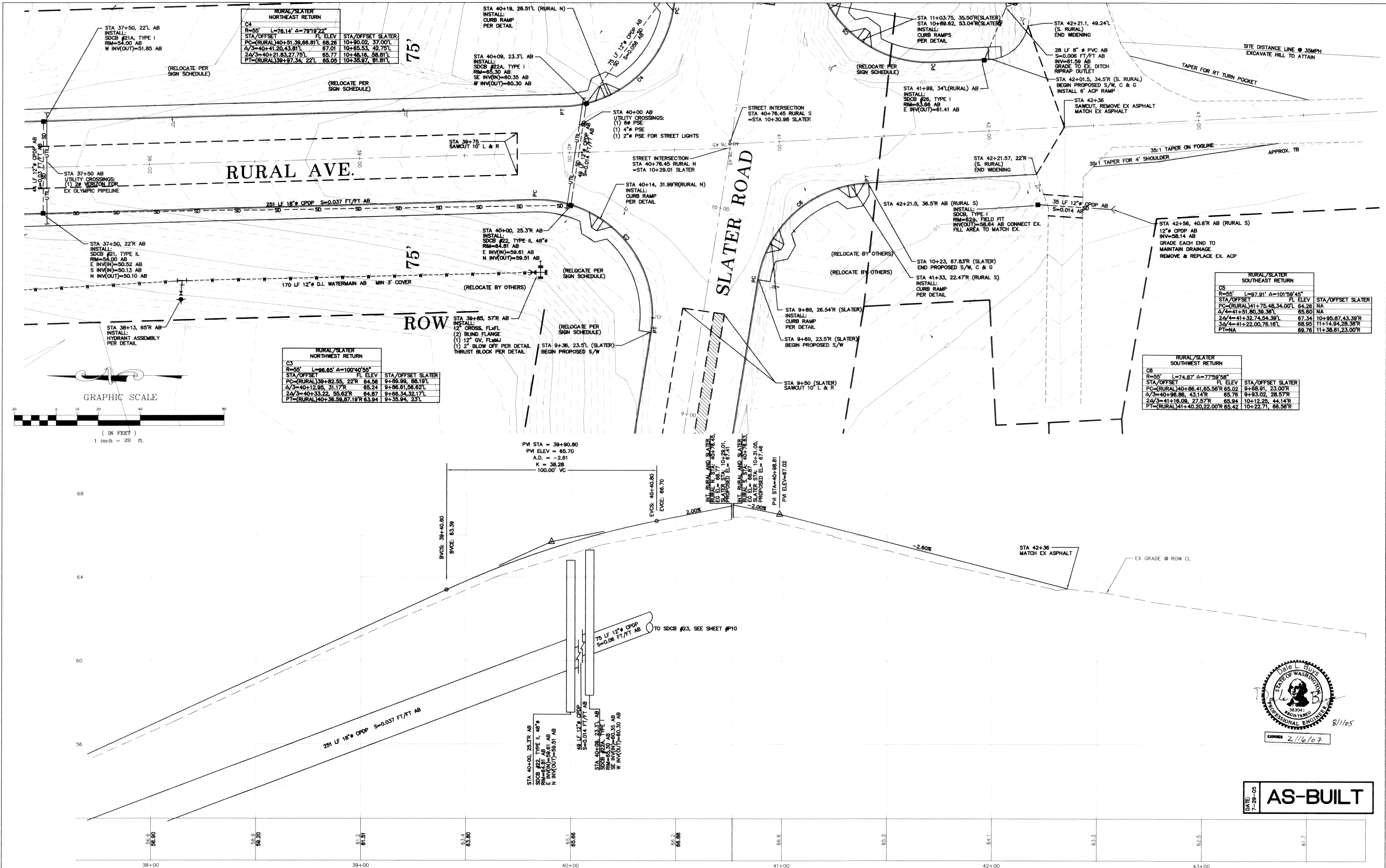
CITY OF FERDALE
2096 MAIN STREET
FERDALE, WASHINGTON 98248

RURAL AND SUNSET
STREET IMPROVEMENTS
STA 34+50 TO 38+00

JOB# / DWG
00010 SP1.AB
SCALE
H:1"=20' V:1'=2'

DATE
6-3-03
SHEET
P7

00182.004 10-25-05 KR



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1

9-22-03

ADD WM IN FOR CHANGE ORDER PROPOSAL

NO.

DATE

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CITY OF FERDALE
2005 MAIN STREET
FERDALE, WASHINGTON 98248

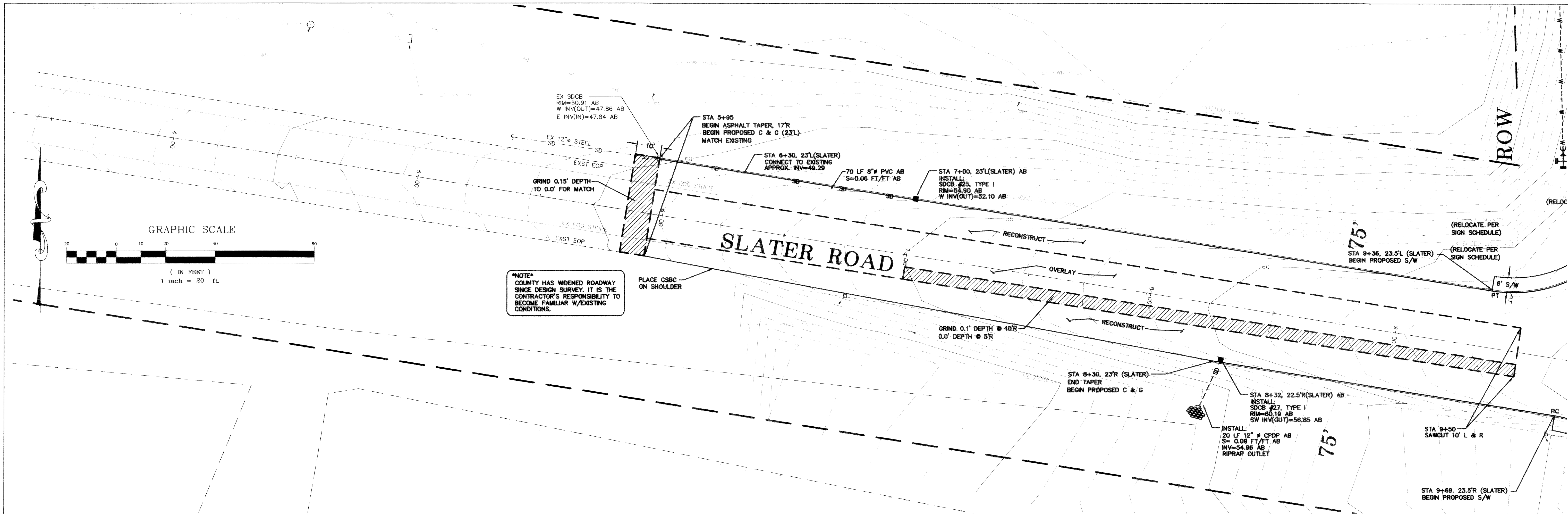
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STA 38+00 TO 43+50

JOB# / DWG
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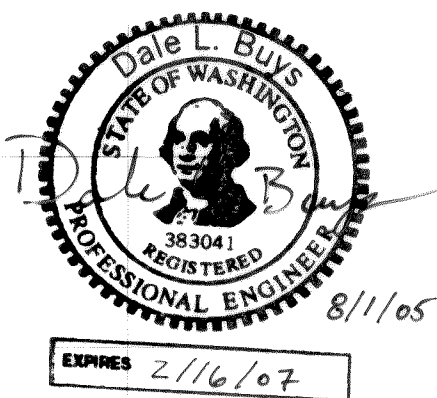
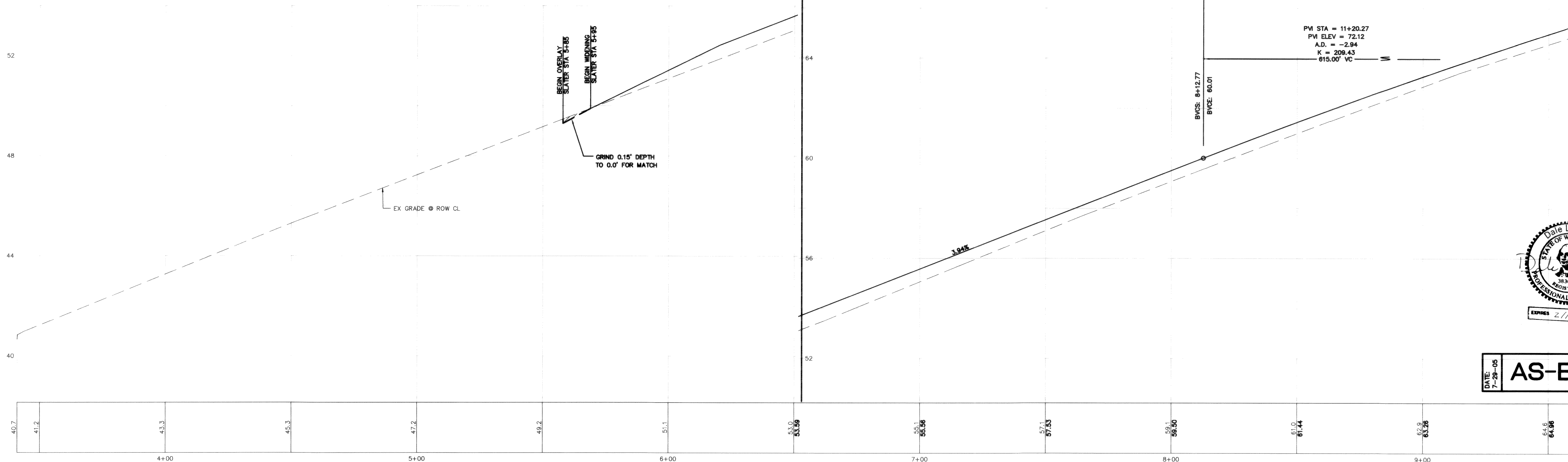
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6-3-03

SHEET
P8



STA 3+50 TO 6+50

STA 6+50 TO 9+50



DATE: 7-28-05
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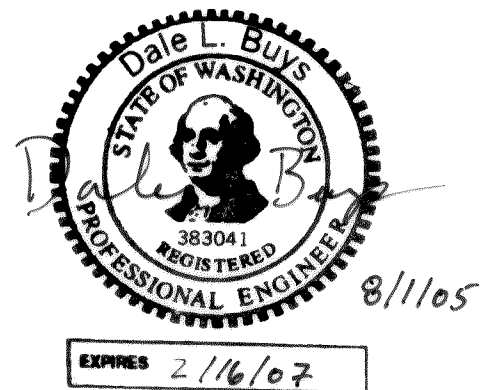
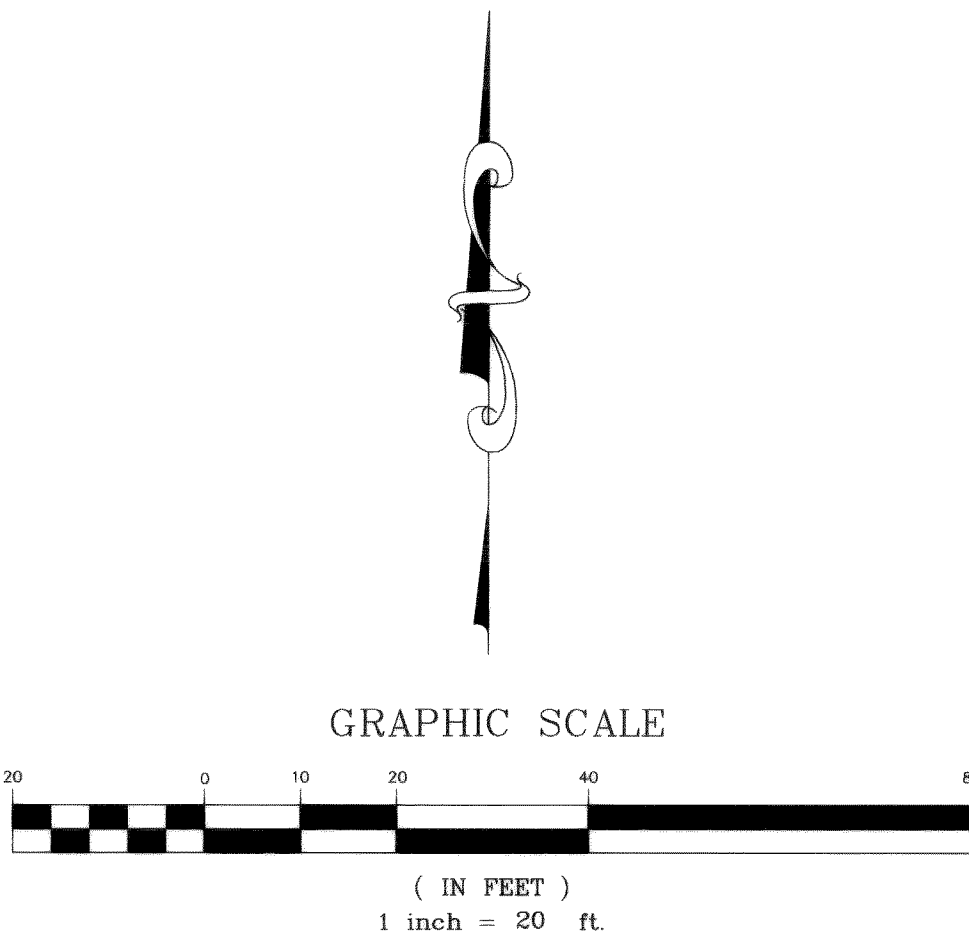
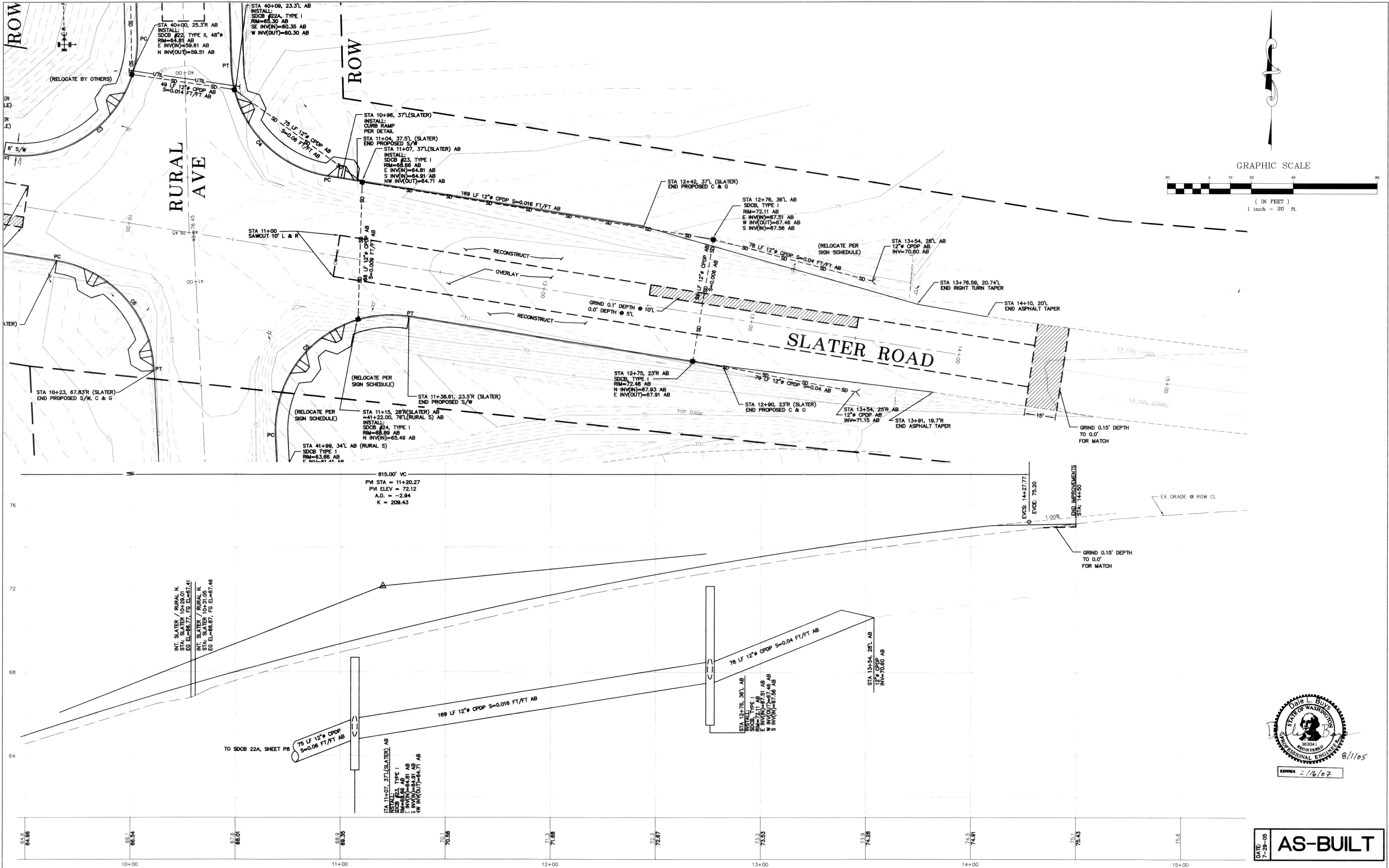
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NO.	DATE	REVISION	BY

CITY OF FERNDALE
2085 MAIN STREET
FERNDALE, WASHINGTON 98248

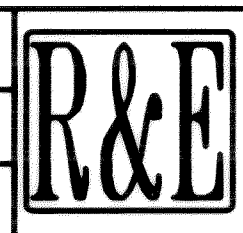
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STREET IMPROVEMENTS
SLATER ROAD STA 3+50 TO 9+50

JOB# / DWG 00010 SP1.AB	DATE 6-3-03
SCALE H:1"=20' V:1"=2'	SHEET P9



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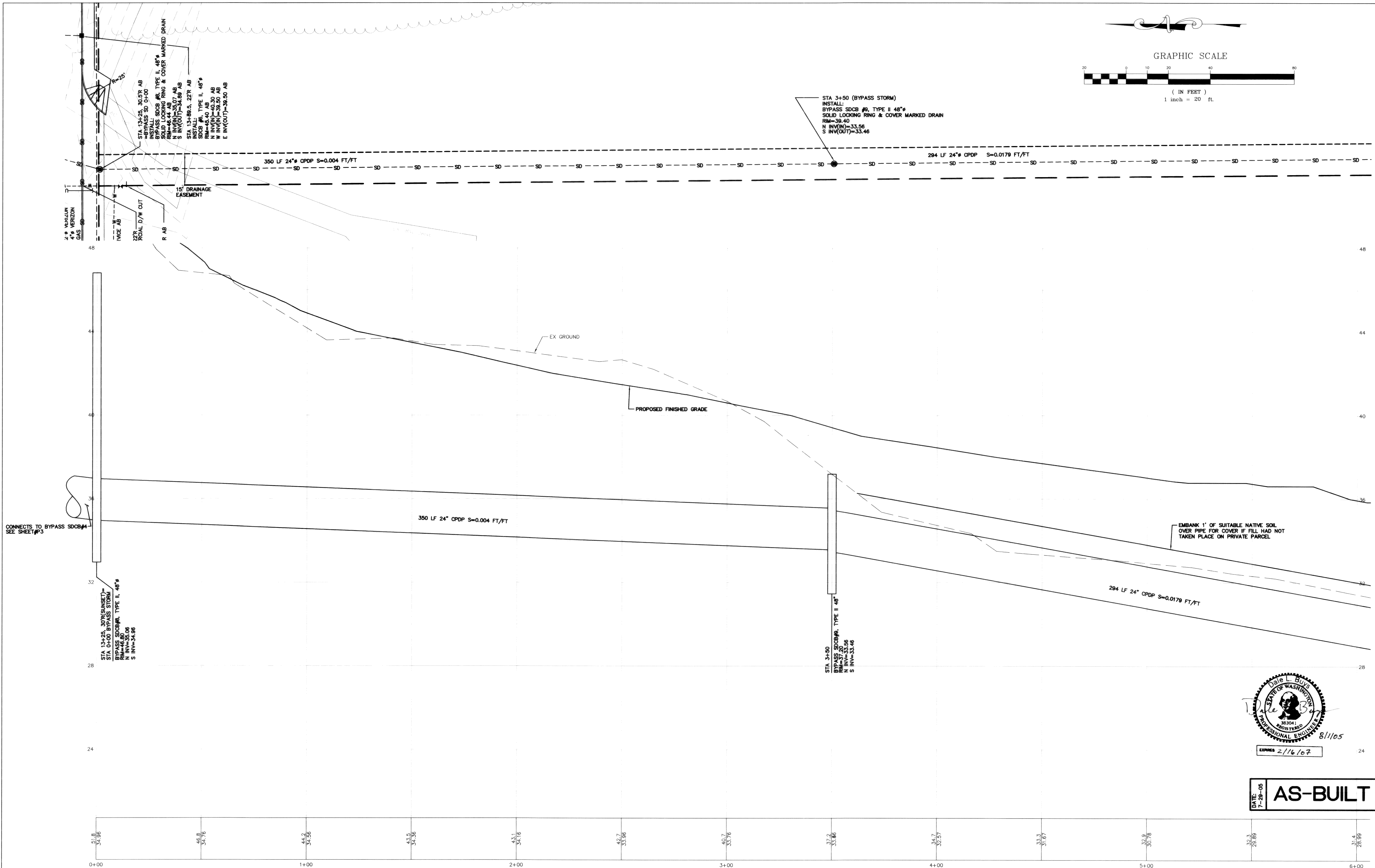
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NO.	DATE	REVISION	BY

CITY OF FERNDALE
2096 MAIN STREET
FERNDALE, WASHINGTON 98248

RURAL AND SUNSET
STREET IMPROVEMENTS
SLATER ROAD STA 9+50 TO 15+00

JOB# / DWG 00010 SP1.AB	DATE 6-3-03
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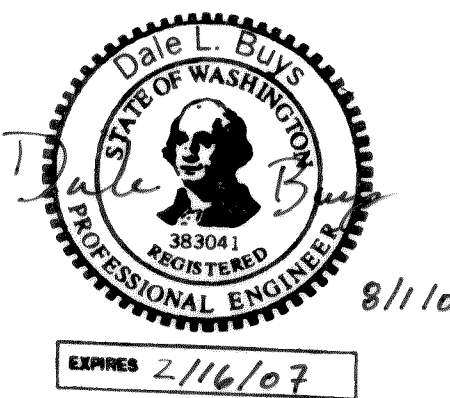
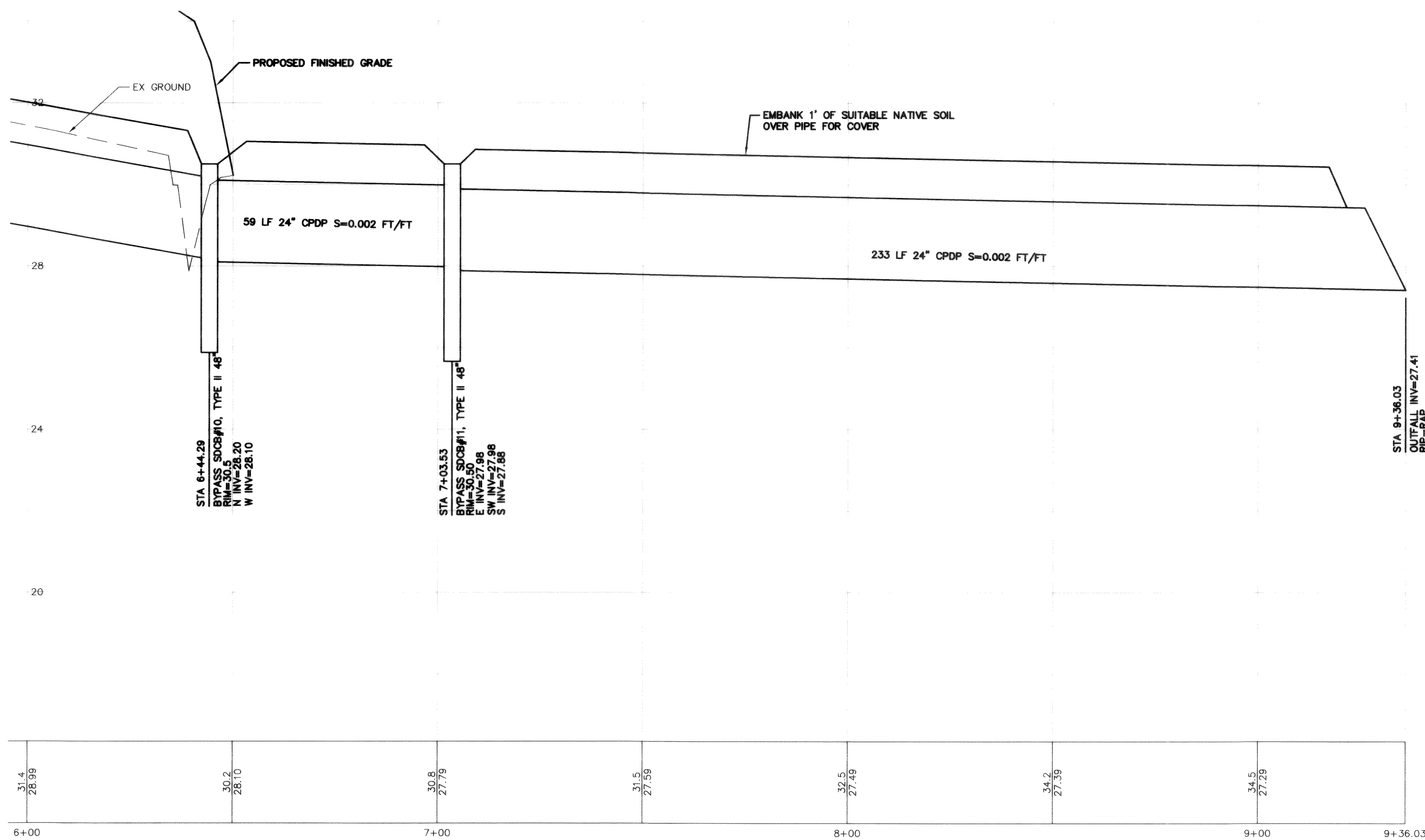
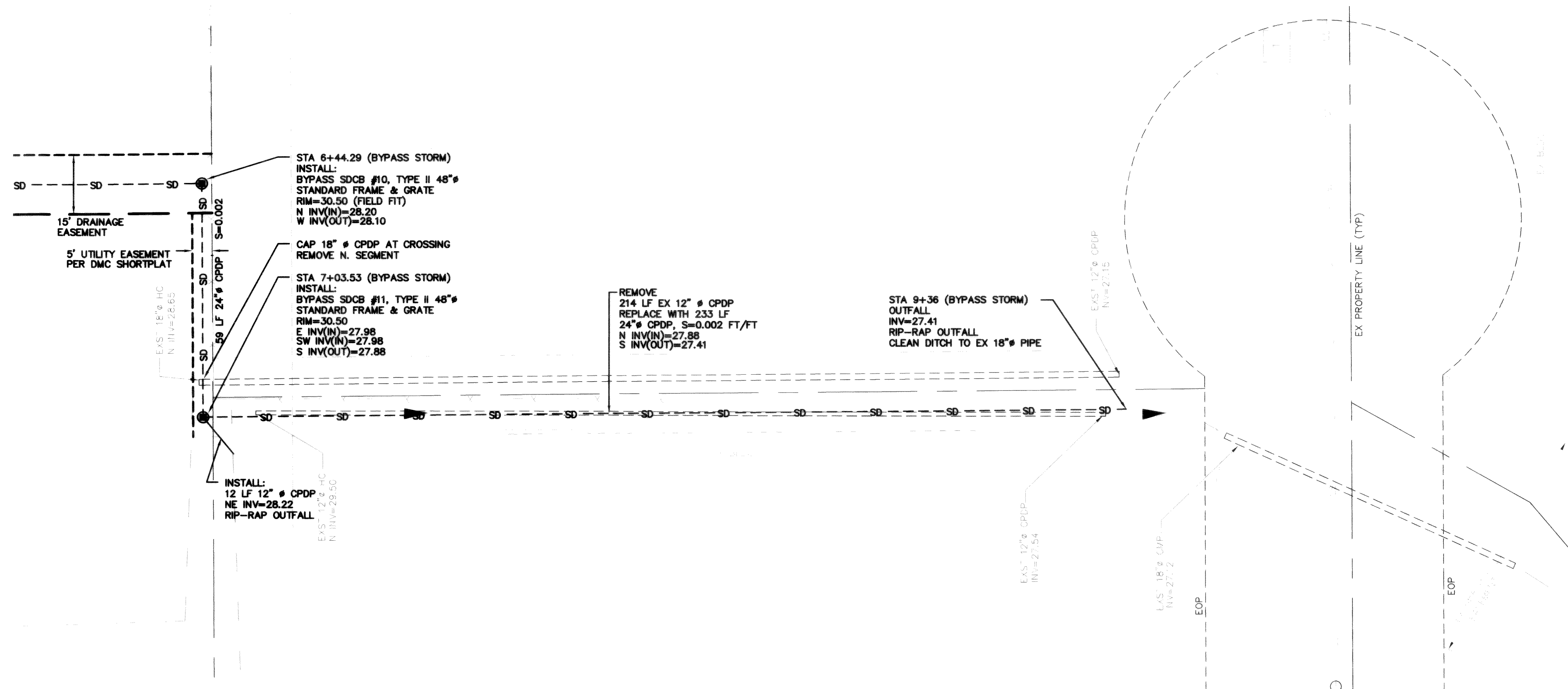


DATE: 7-29-05

AS-BUILT

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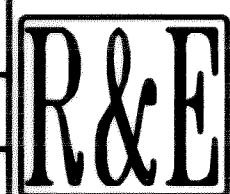
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1 9-4-03 REVISE BYPASS STORM
NO. DATE REVISION

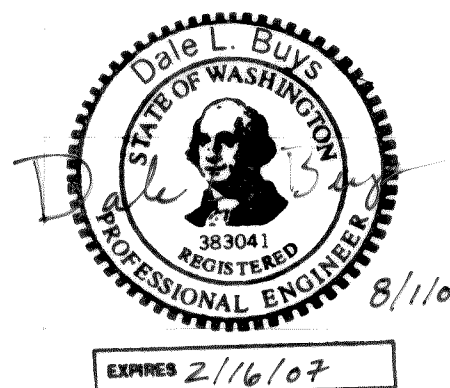
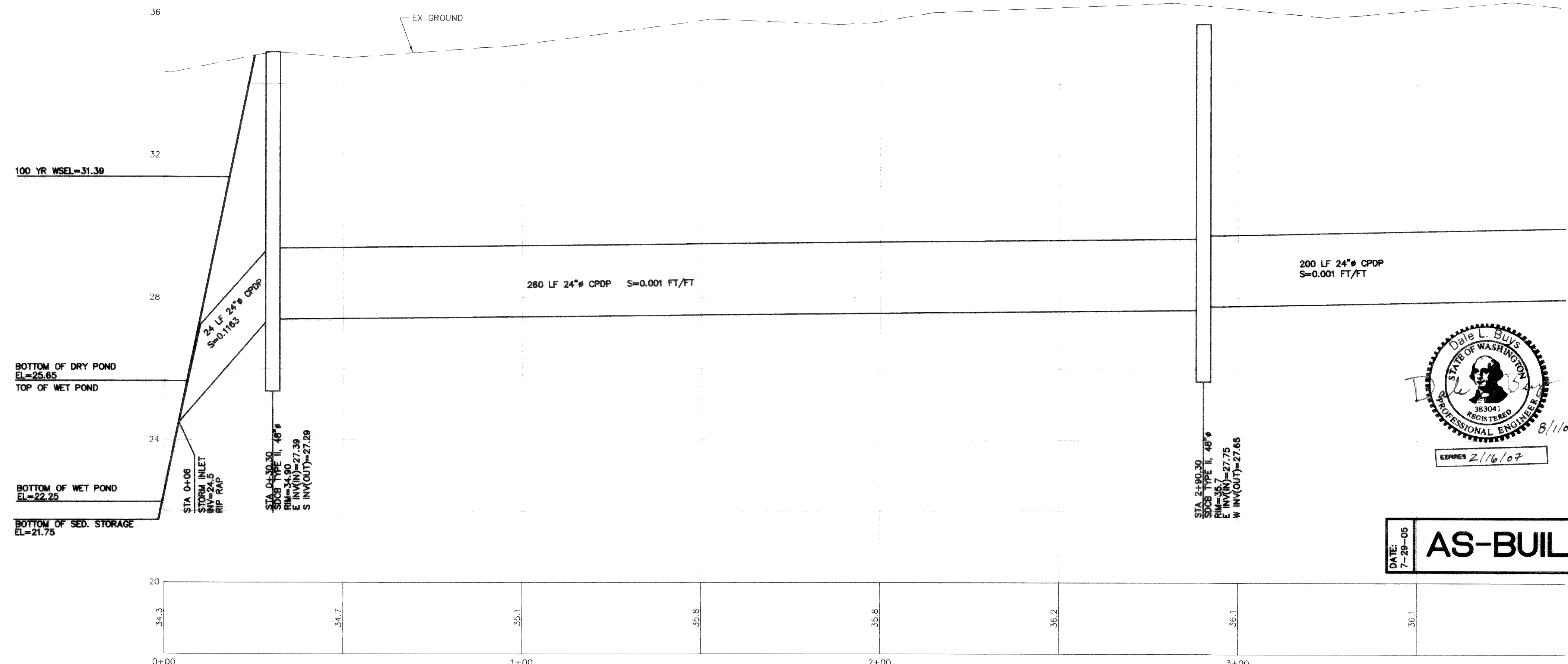
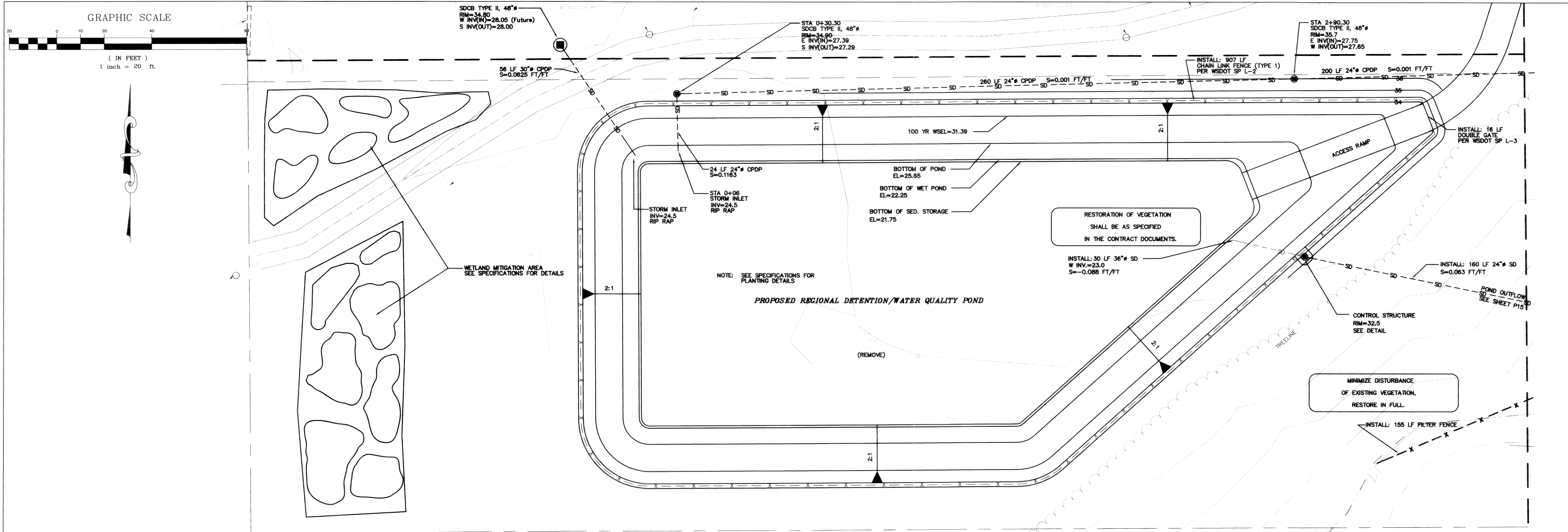
DLB
BY

CITY OF FERNDALE
2095 MAIN STREET
FERNDALE, WASHINGTON 98248

RURAL AND SUNSET
BYPASS STORM
STA 6+00 TO 9+50

JOB# / DWG
00010 SP1.AB
SCALE
H: 1" = 20' V: 1" = 2'
DATE
6-3-03
SHEET
P12

00182.014 10-25-05 KR



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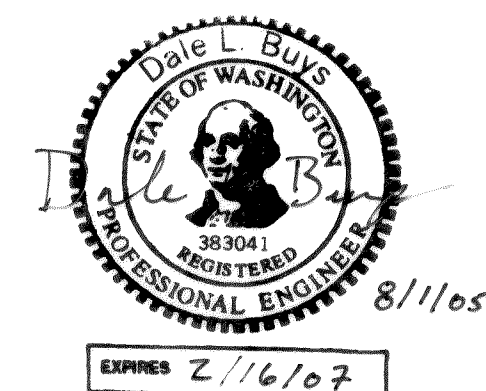
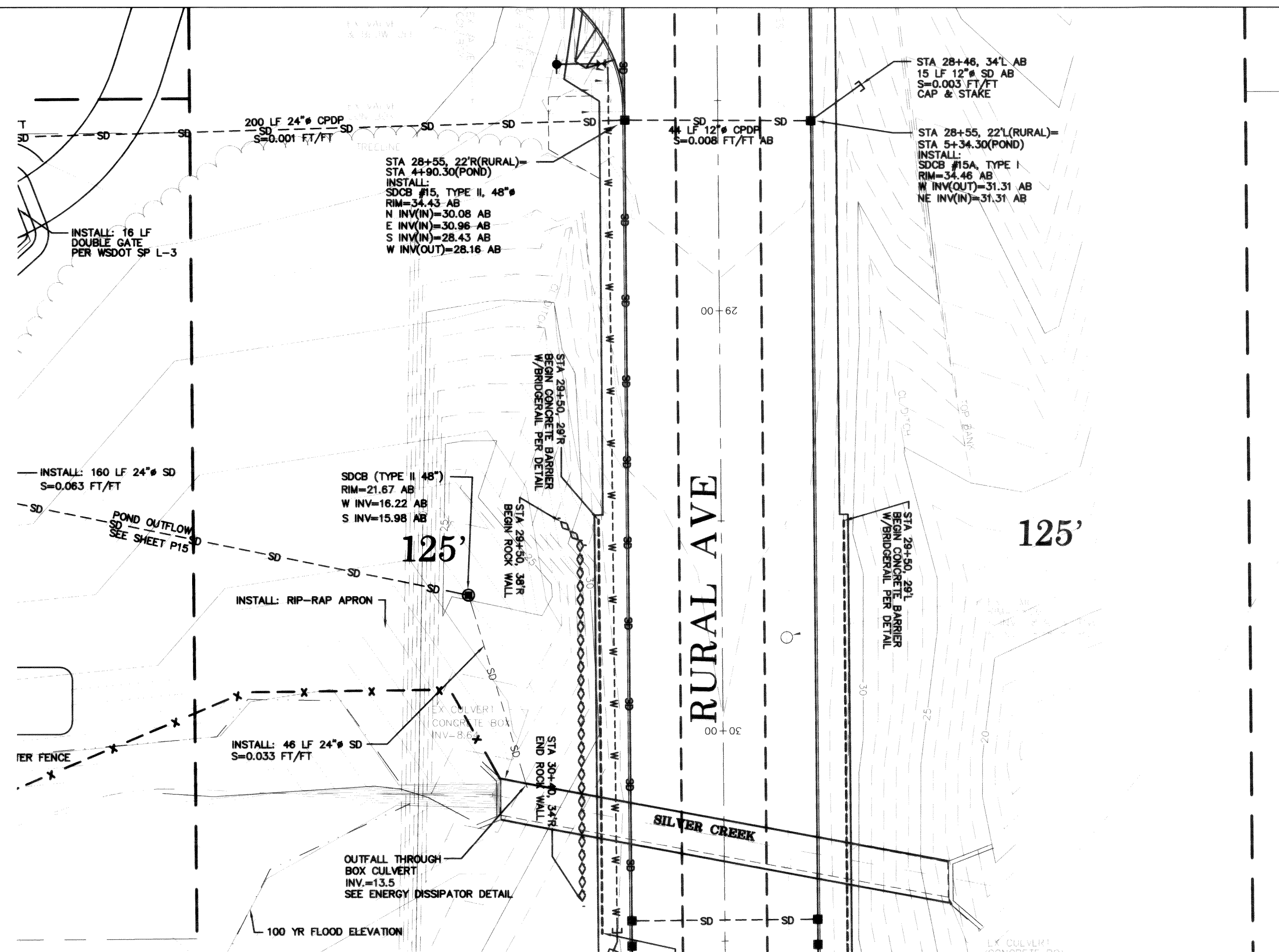
NO.	DATE	REVISION	BY

CITY OF FERDALE
2005 MAIN STREET
FERDALE, WASHINGTON 98248

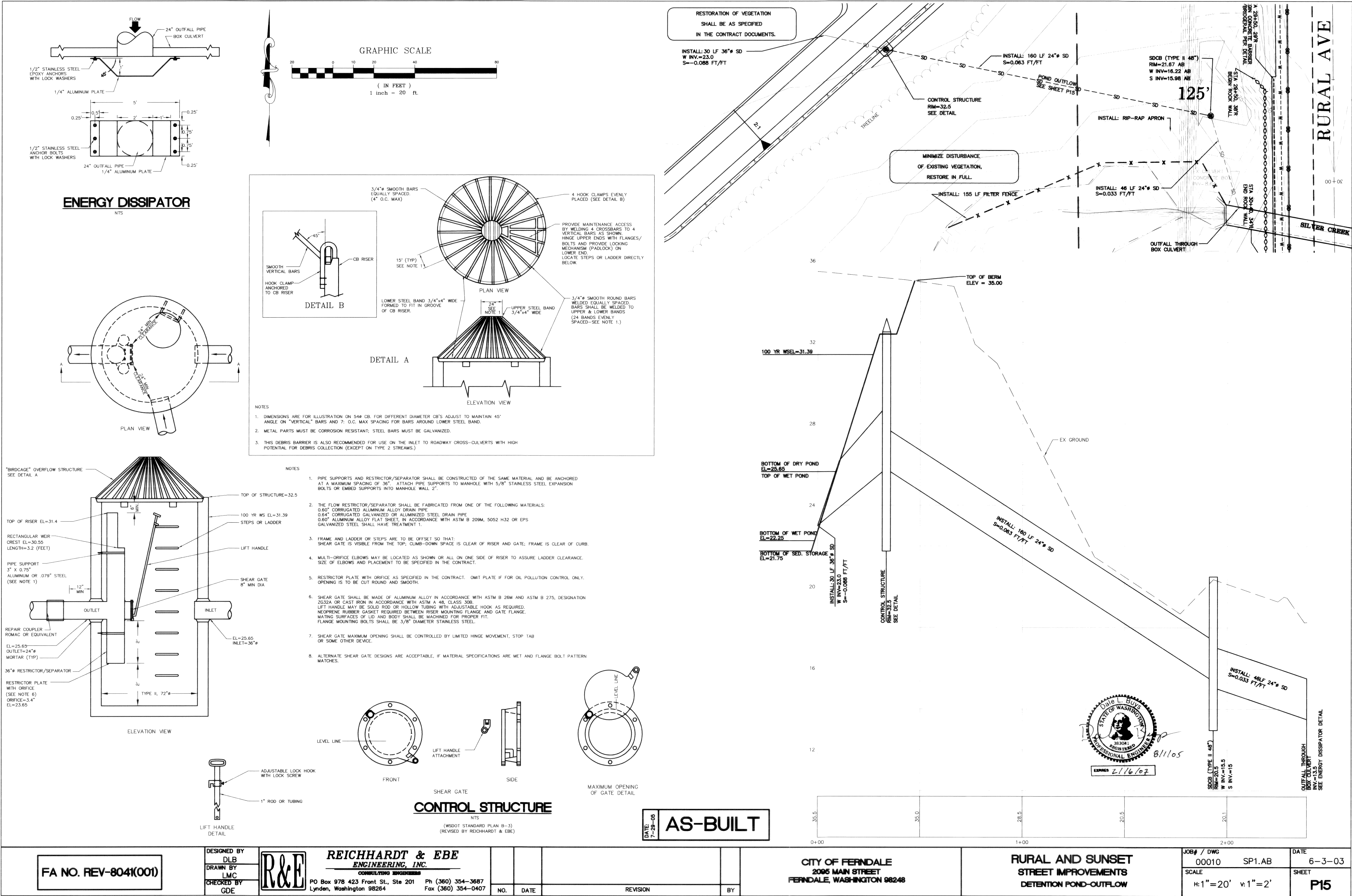
RURAL AND SUNSET
STREET IMPROVEMENTS
DETENTION POND-INFLOW

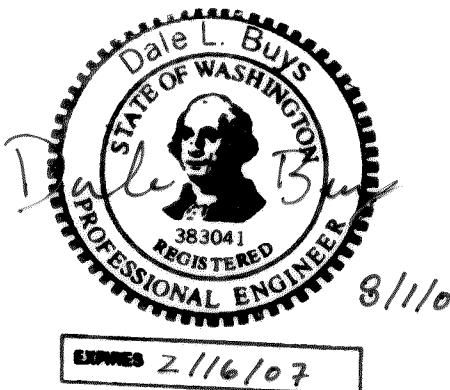
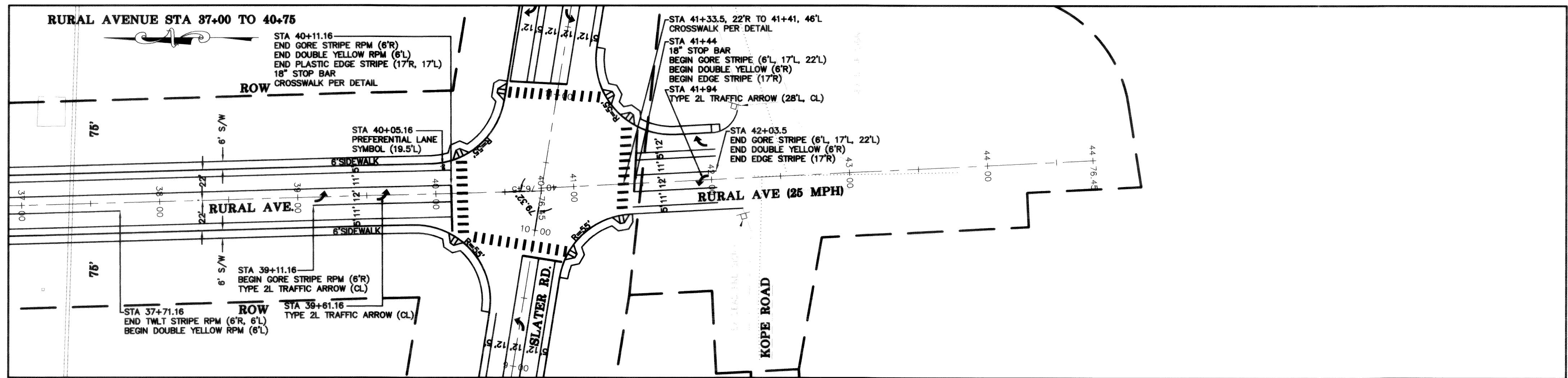
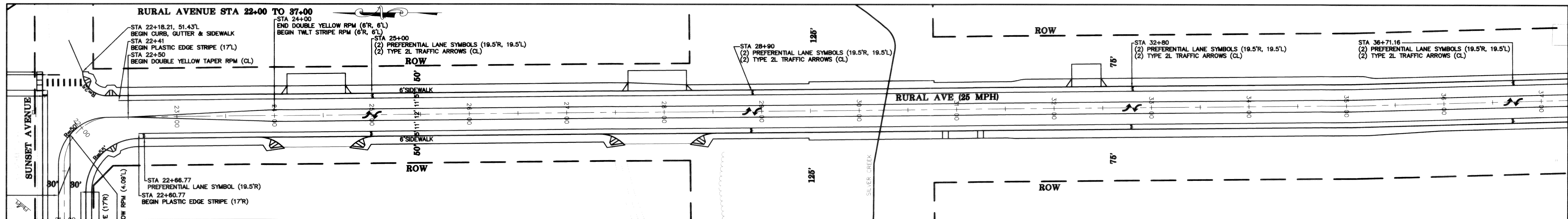
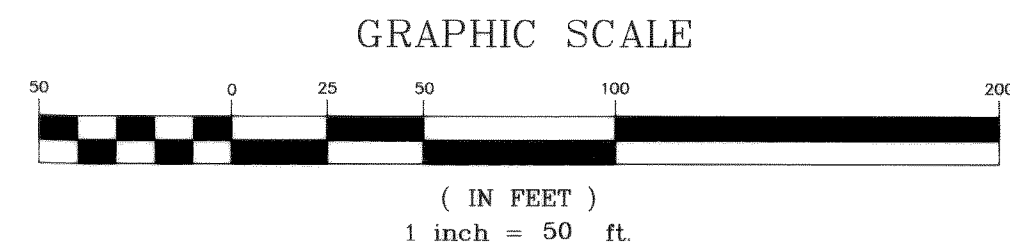
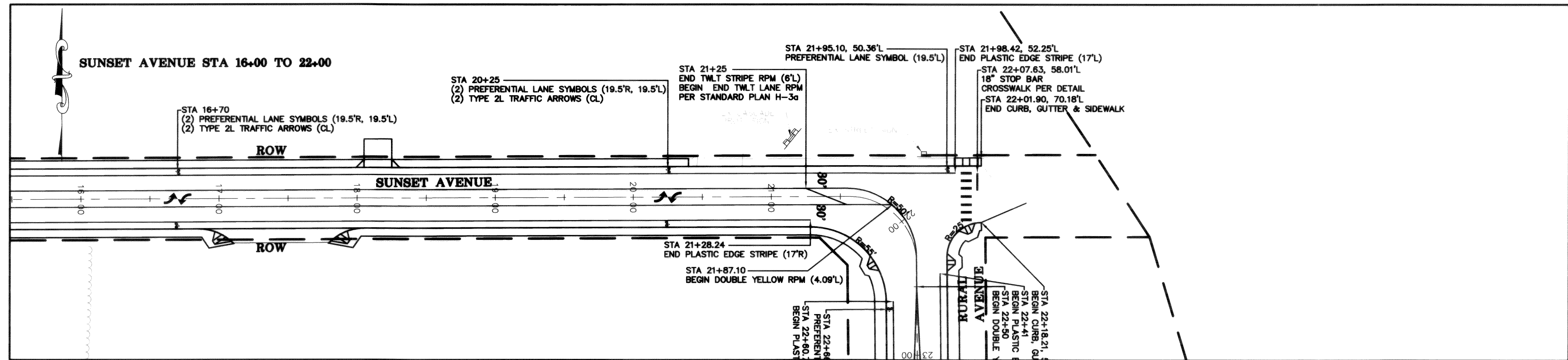
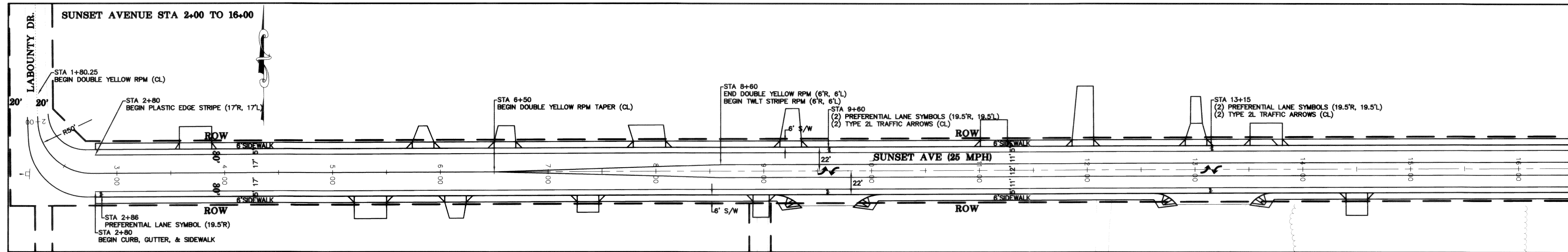
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JOB# / DWG 00010 SP1.AB	DATE 6-3-03
SCALE H: 1"=20' V: 1"=2'	SHEET P14





DESIGN VEHICLE: WB-40
DESIGN SPEED: 35 MPH

DATE: 7-28-06
AS-BUILT
FA NO. REV-804(001)

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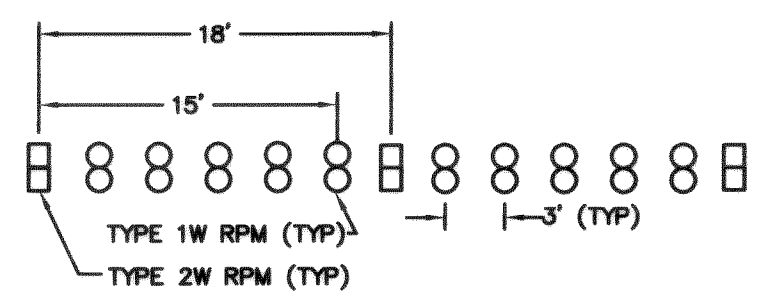
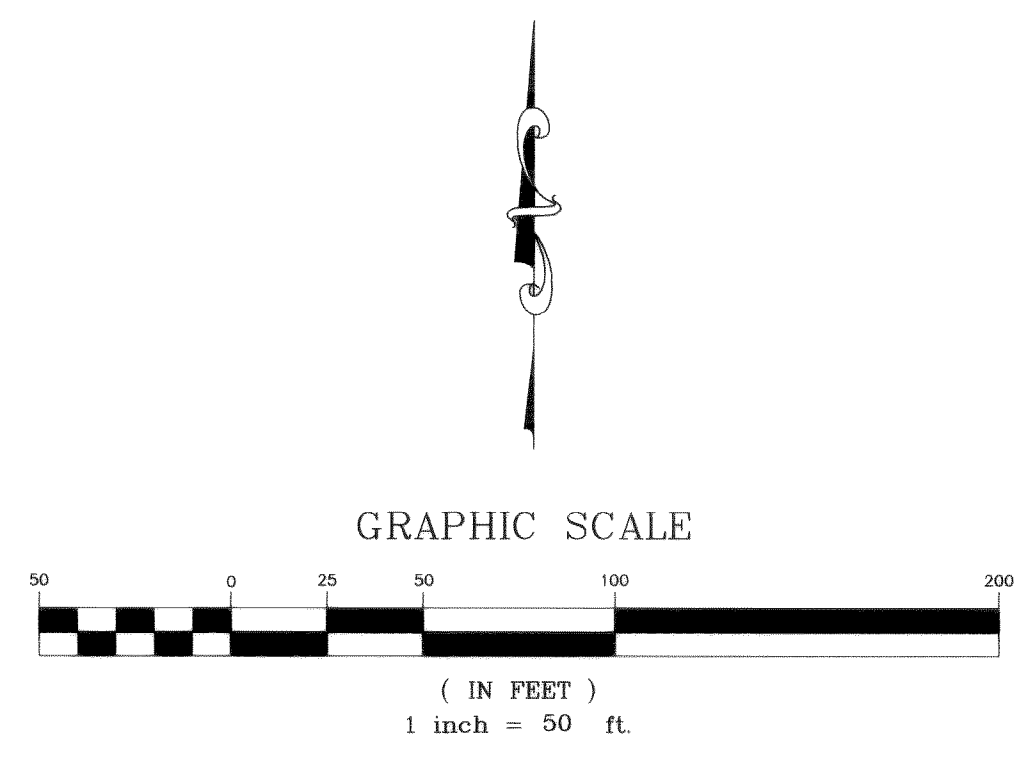
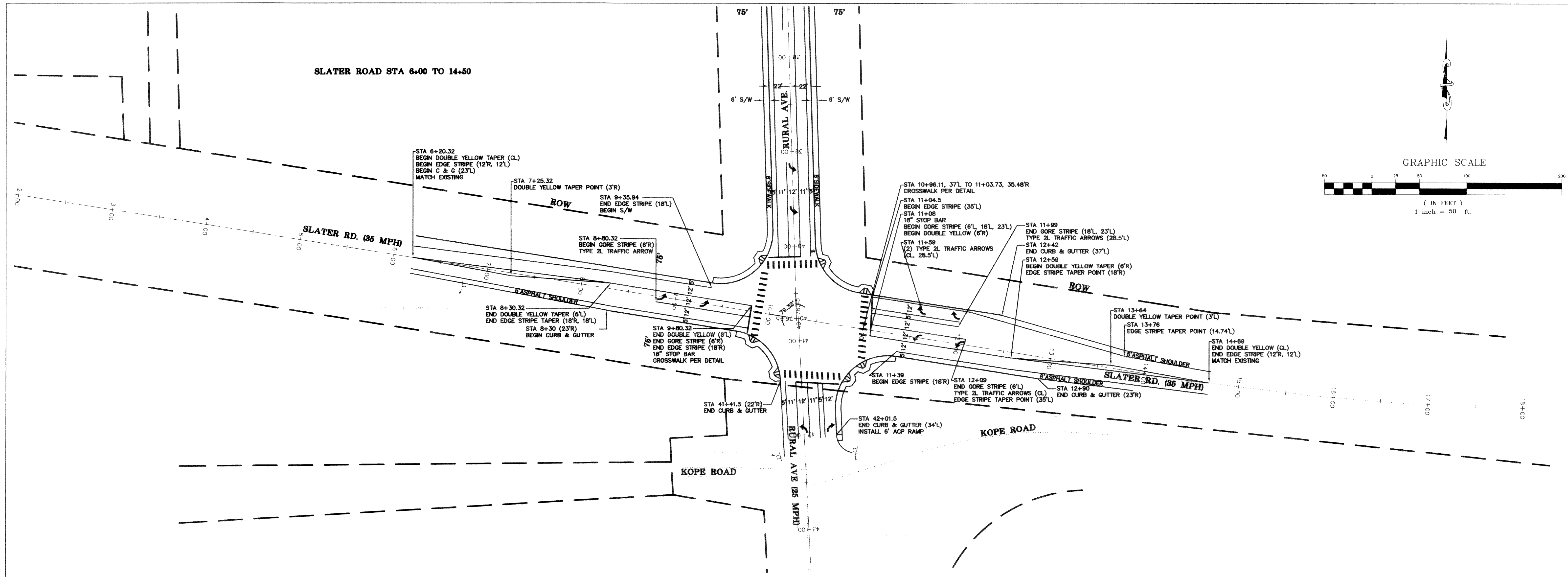
PO Box 978 423 Front St., Ste 201 Ph (360) 354-3687
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NO.	DATE	REVISION	BY

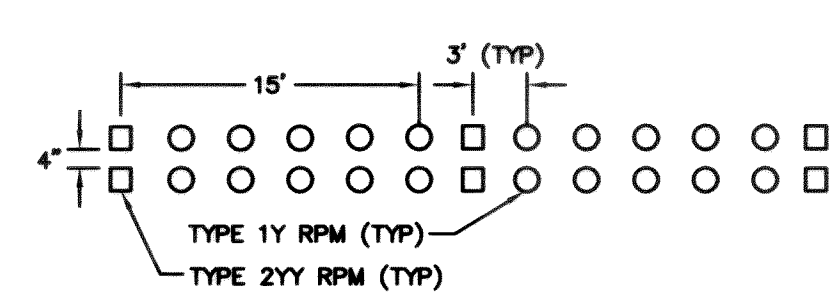
CITY OF FERDALE
2095 MAIN STREET
FERDALE, WASHINGTON 98248

RURAL AND SUNSET
CHANNELIZATION PLAN
RURAL AND SUNSET AVENUES

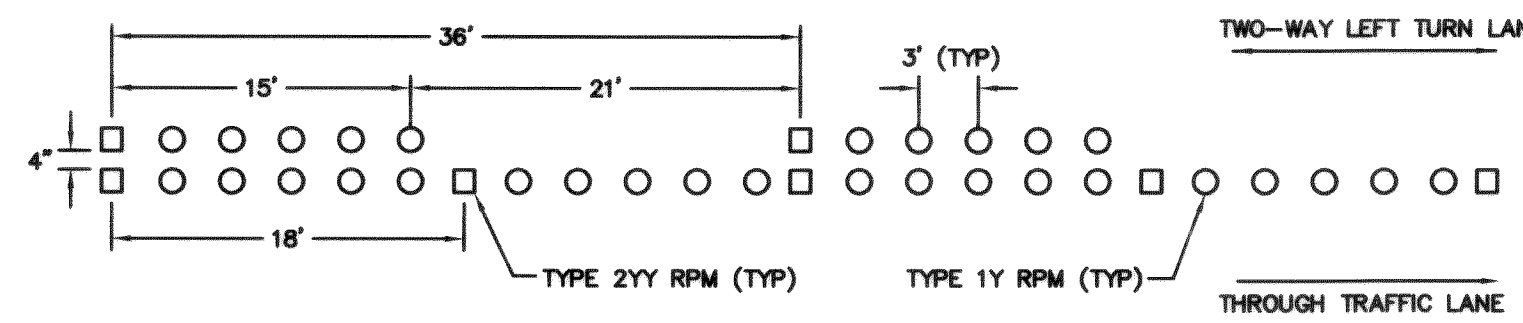
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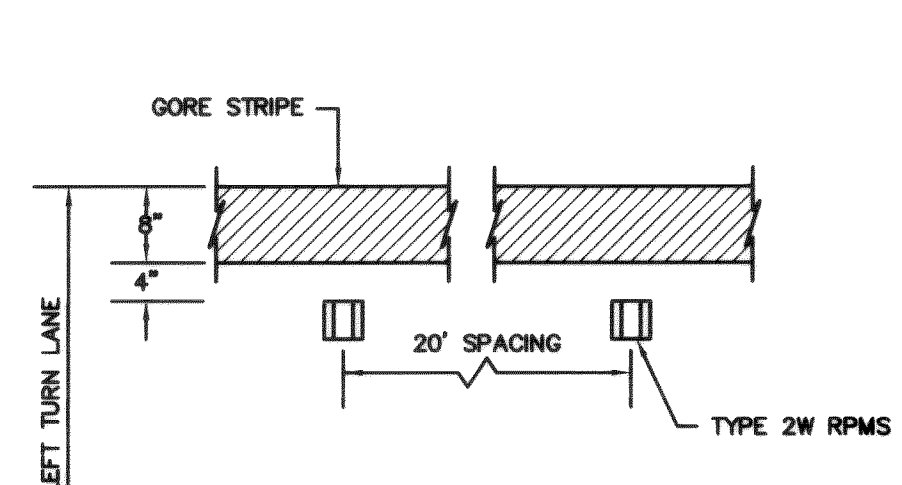
GORE STRIPE DETAIL
NTS
RAISED PAVEMENT
MARKER SUBSTITUTION
PER CITY OF FERNDAL



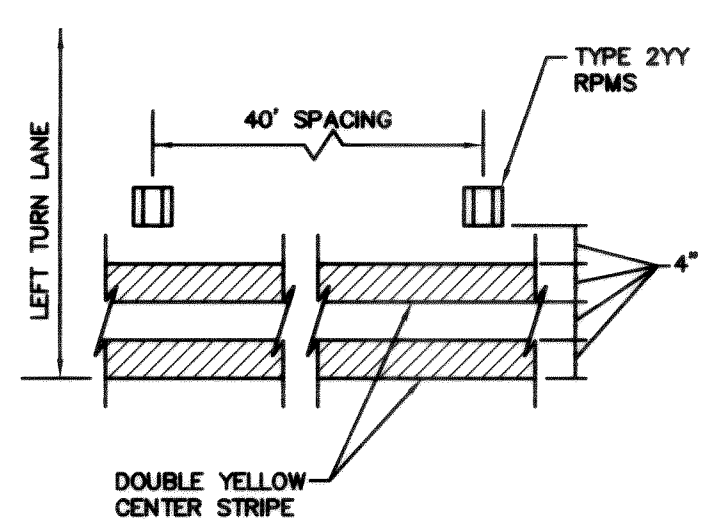
DOUBLE YELLOW STRIPE DETAIL
NTS
RAISED PAVEMENT MARKER SUBSTITUTION
PER CITY OF FERNDAL



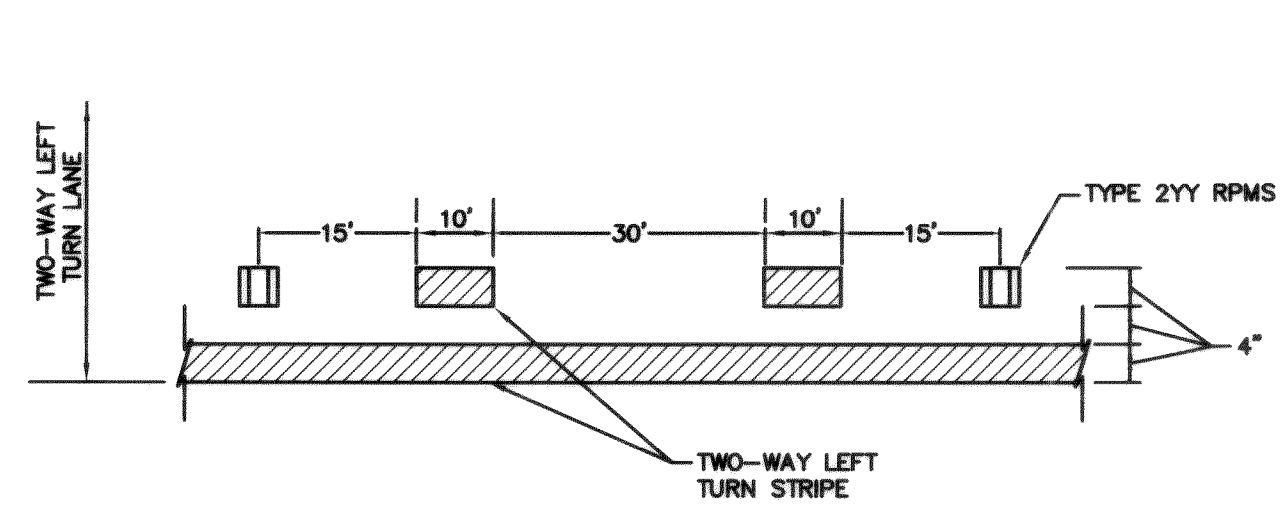
TWO-WAY LEFT TURN STRIPE DETAIL
NTS
RAISED PAVEMENT MARKER SUBSTITUTION
PER CITY OF FERNDAL



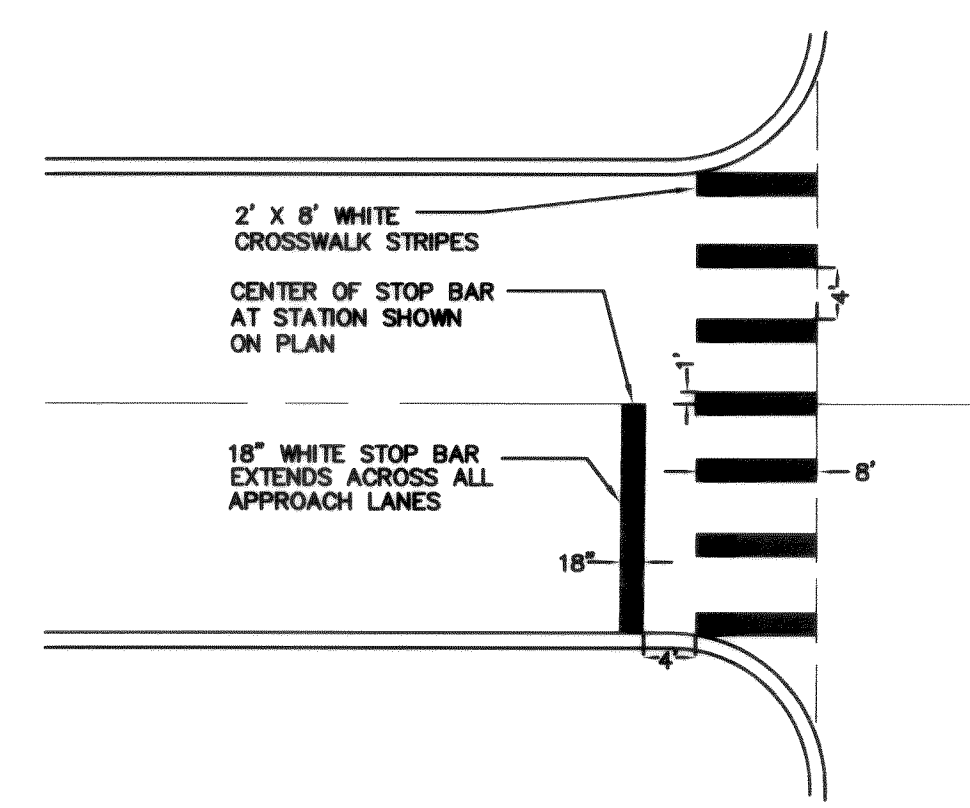
GORE STRIPE DETAIL
NTS



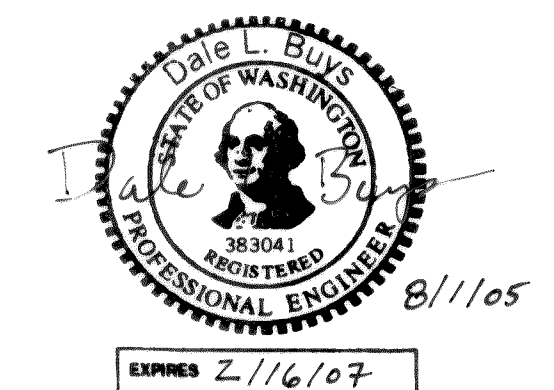
DOUBLE YELLOW STRIPE DETAIL
NTS



TWO-WAY LEFT TURN STRIPE DETAIL
NTS



CROSSWALK AND STOP BAR DETAIL
NTS



- NOTES:**
1. ALL EXISTING PAVEMENT MARKINGS WHICH CONFLICT WITH MARKINGS SHOWN ON THESE PLANS SHALL BE REMOVED.
 2. RAISED PAVEMENT MARKERS SHALL BE PLACED PER DETAIL SHOWN ON THIS PLAN.

DATE 7-28-05
AS-BUILT
FA NO. REV-8041(001)

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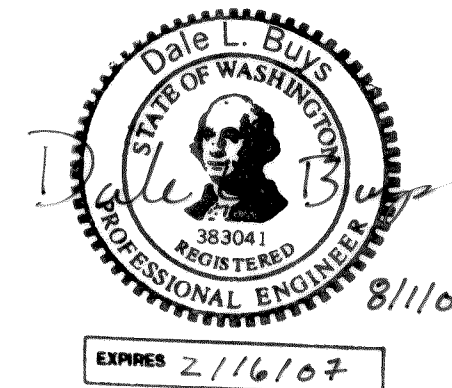
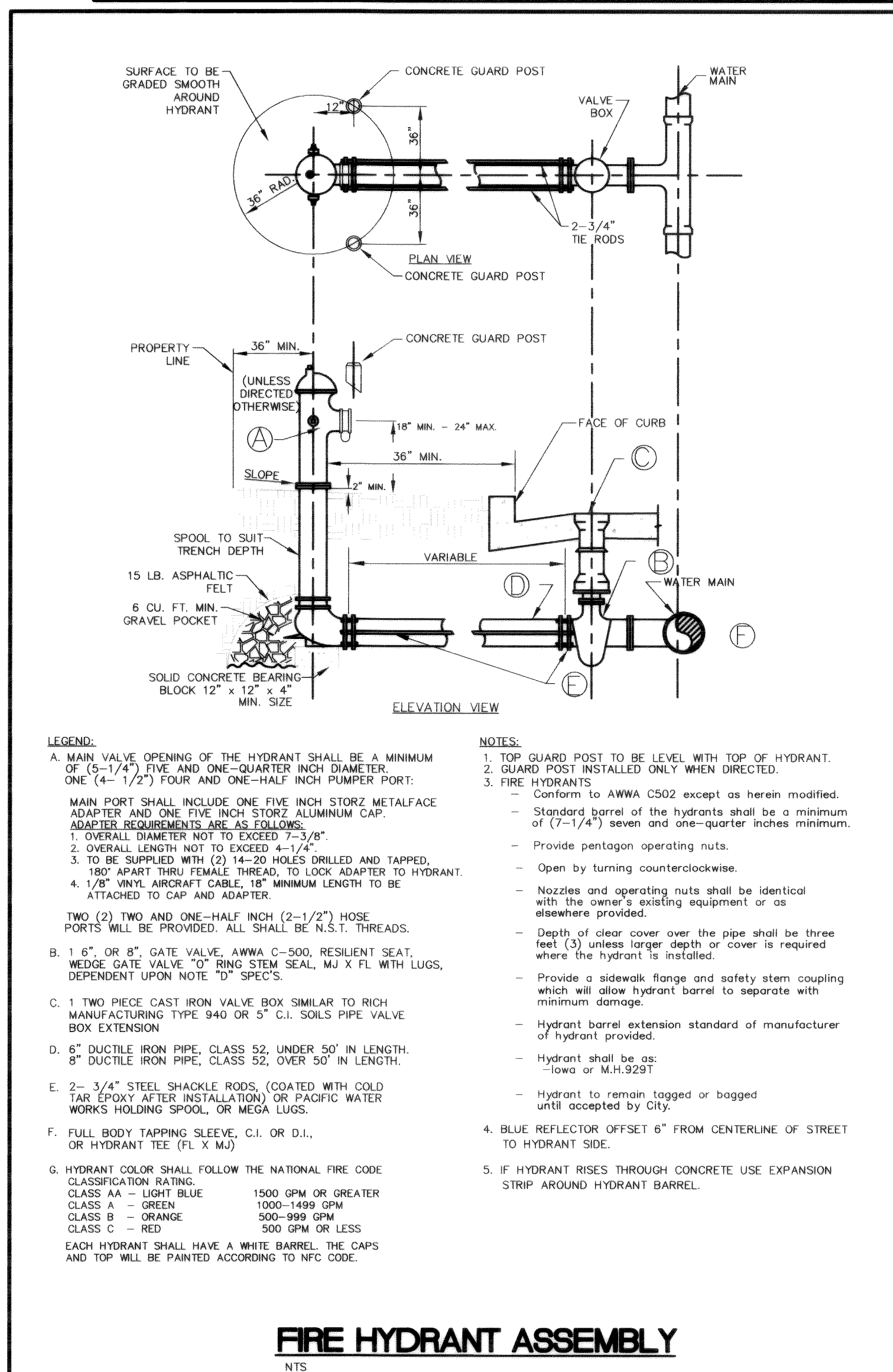
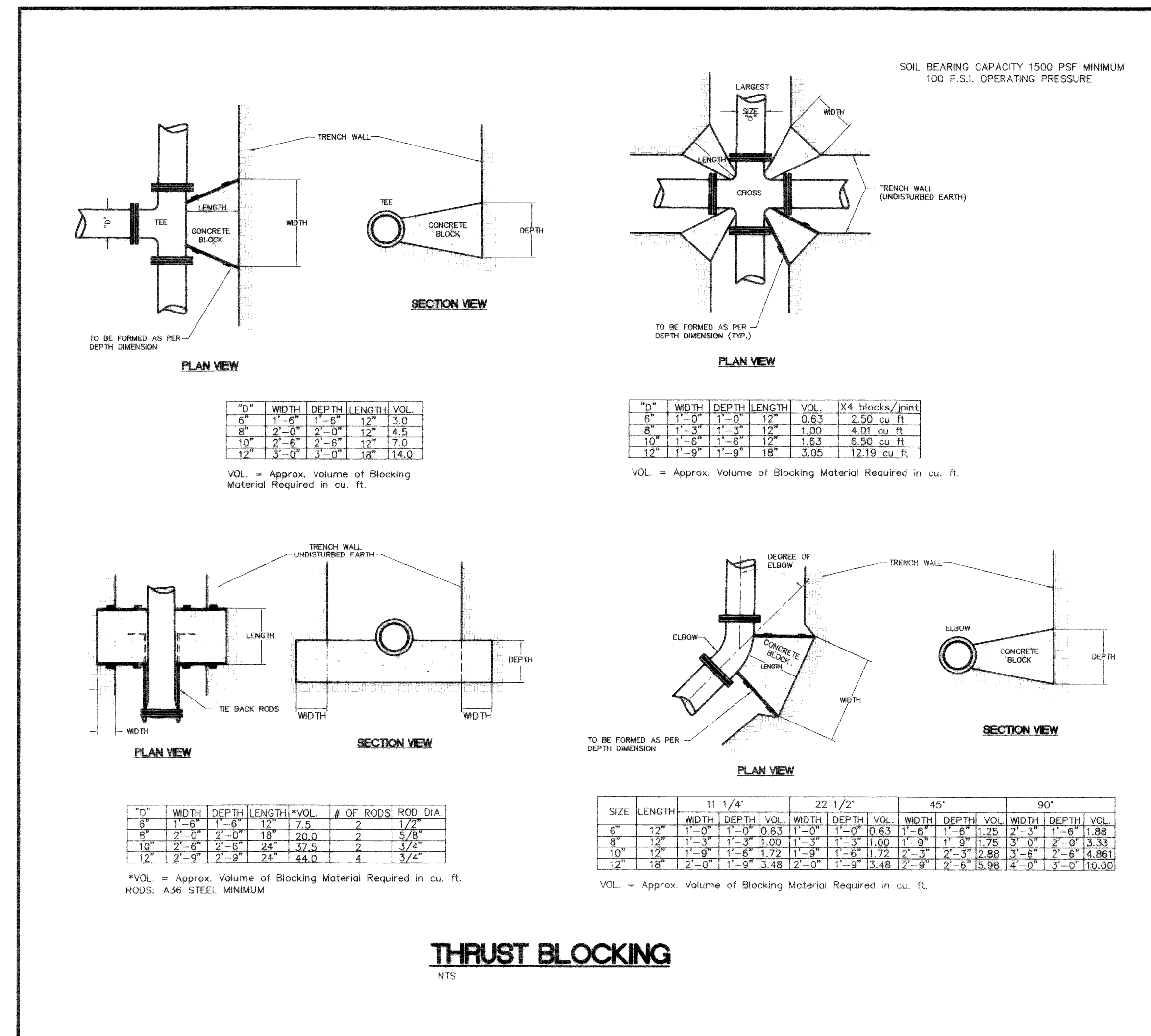
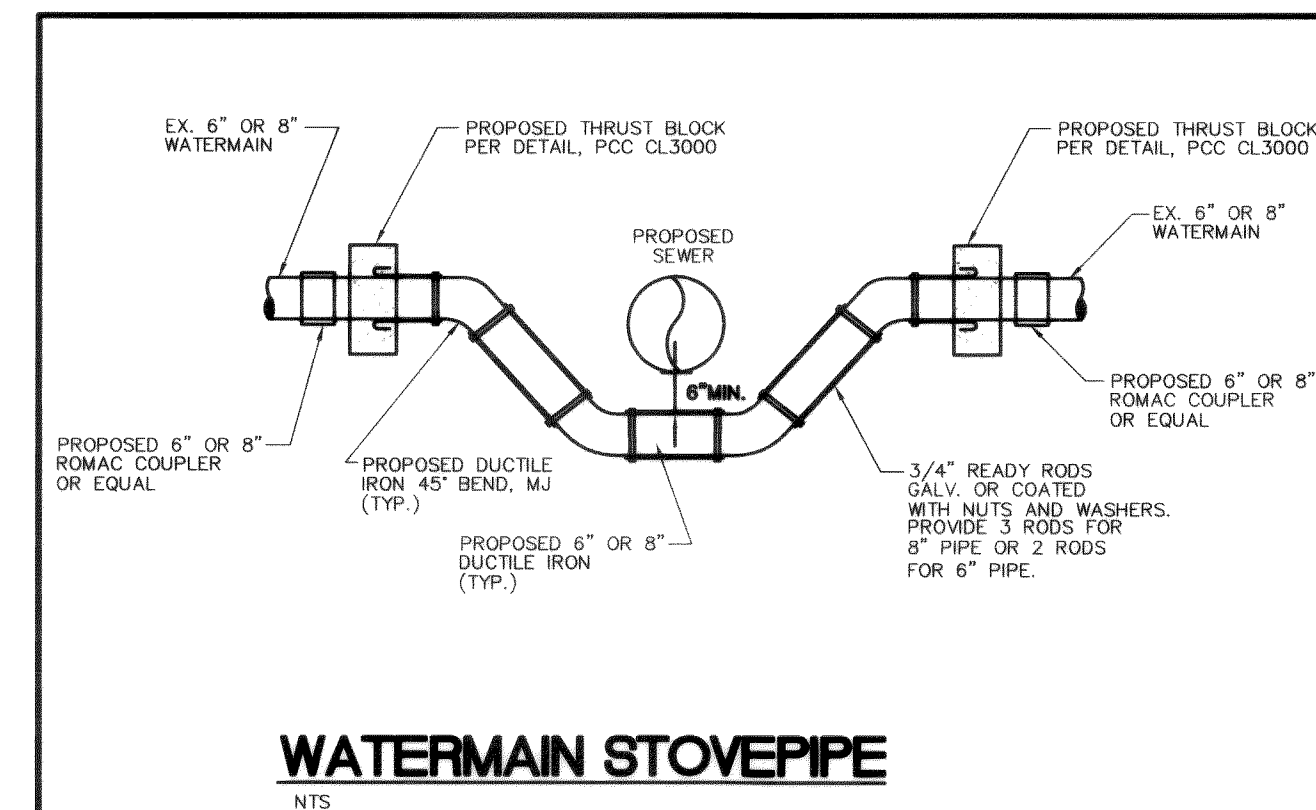
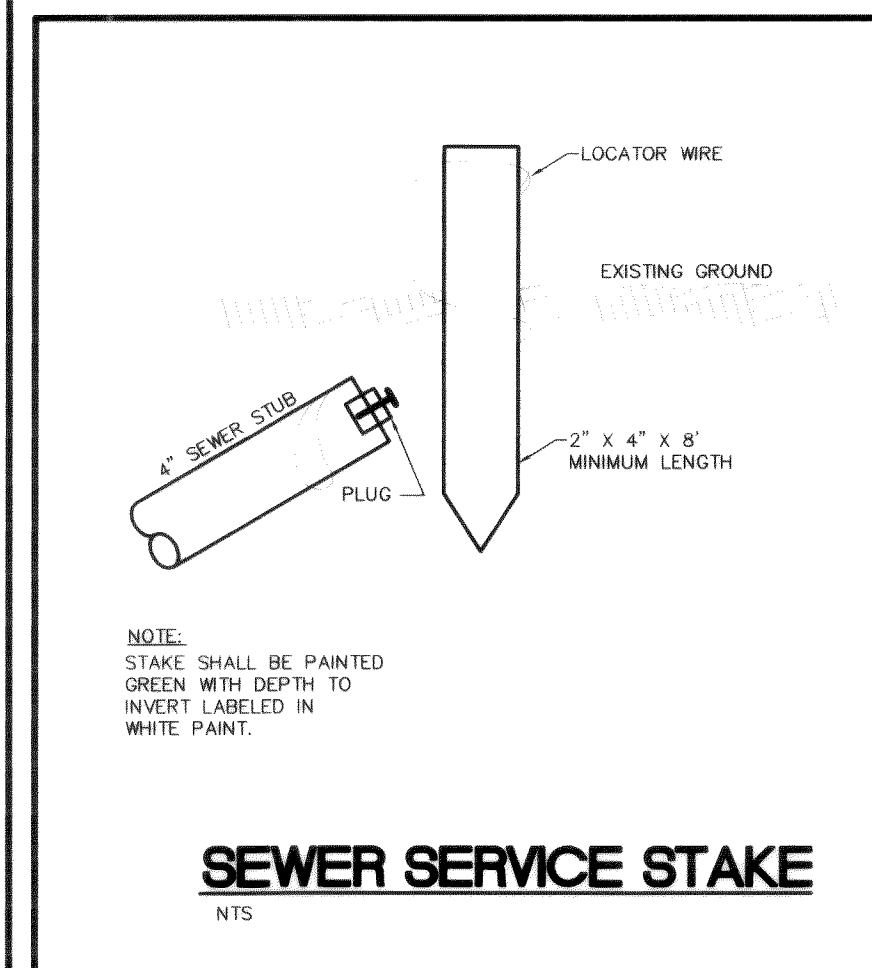
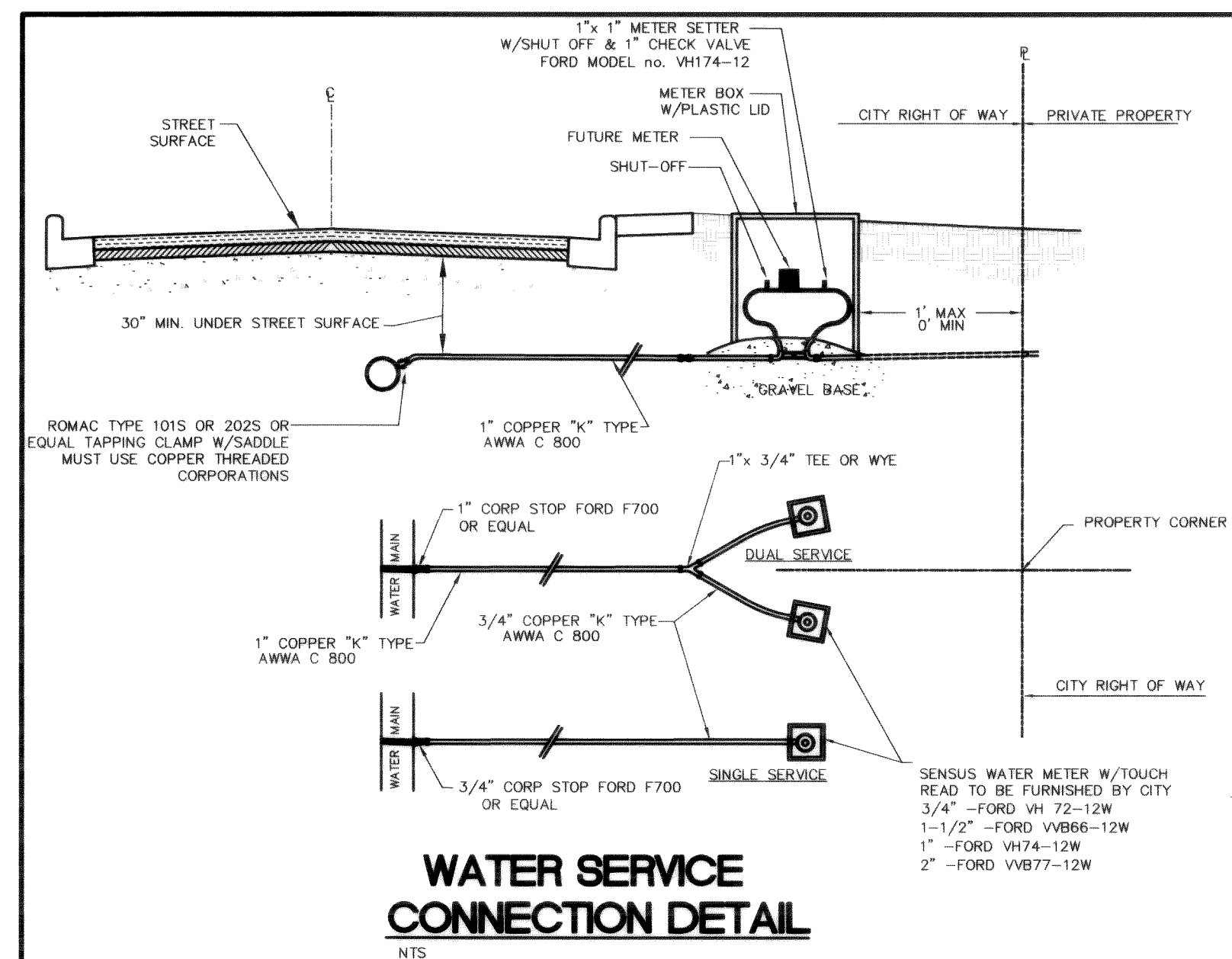
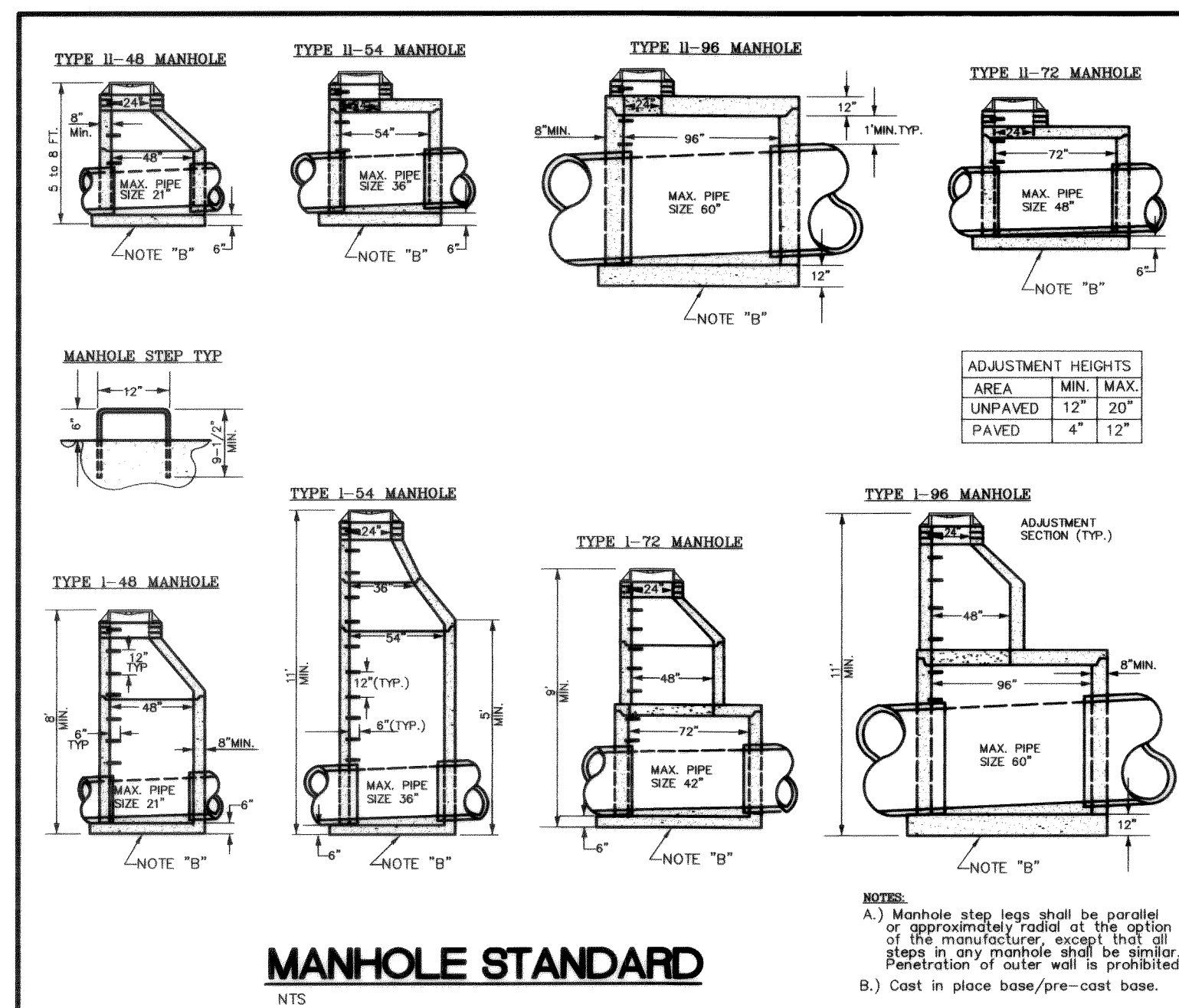
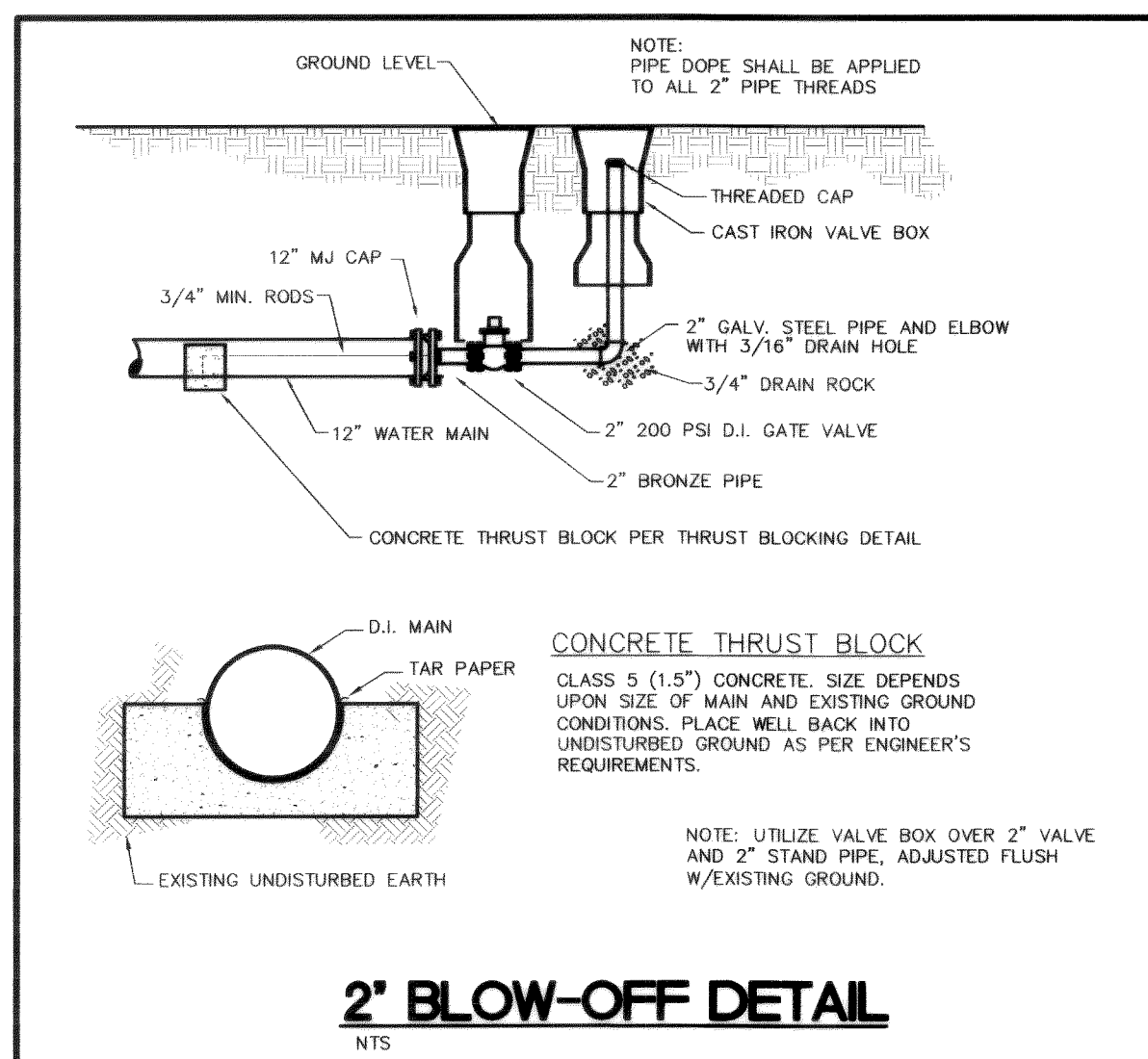
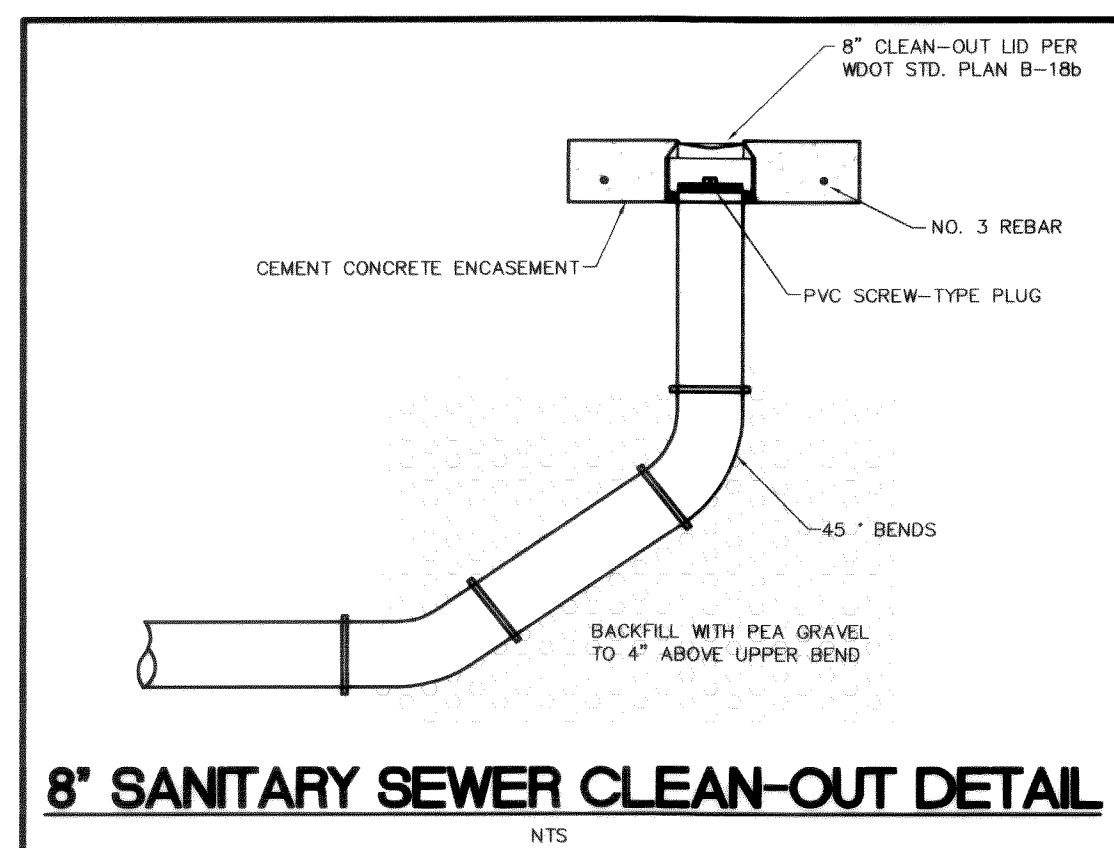
R&E
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ENGINEERING, INC.
CONSULTING ENGINEERS
PO Box 978 423 Front St., Ste 201 Ph (360) 354-3687
Lynden, Washington 98264 Fax (360) 354-0407

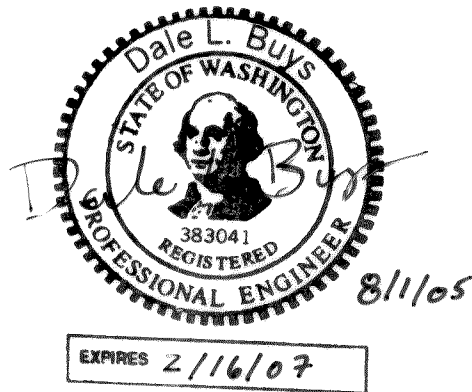
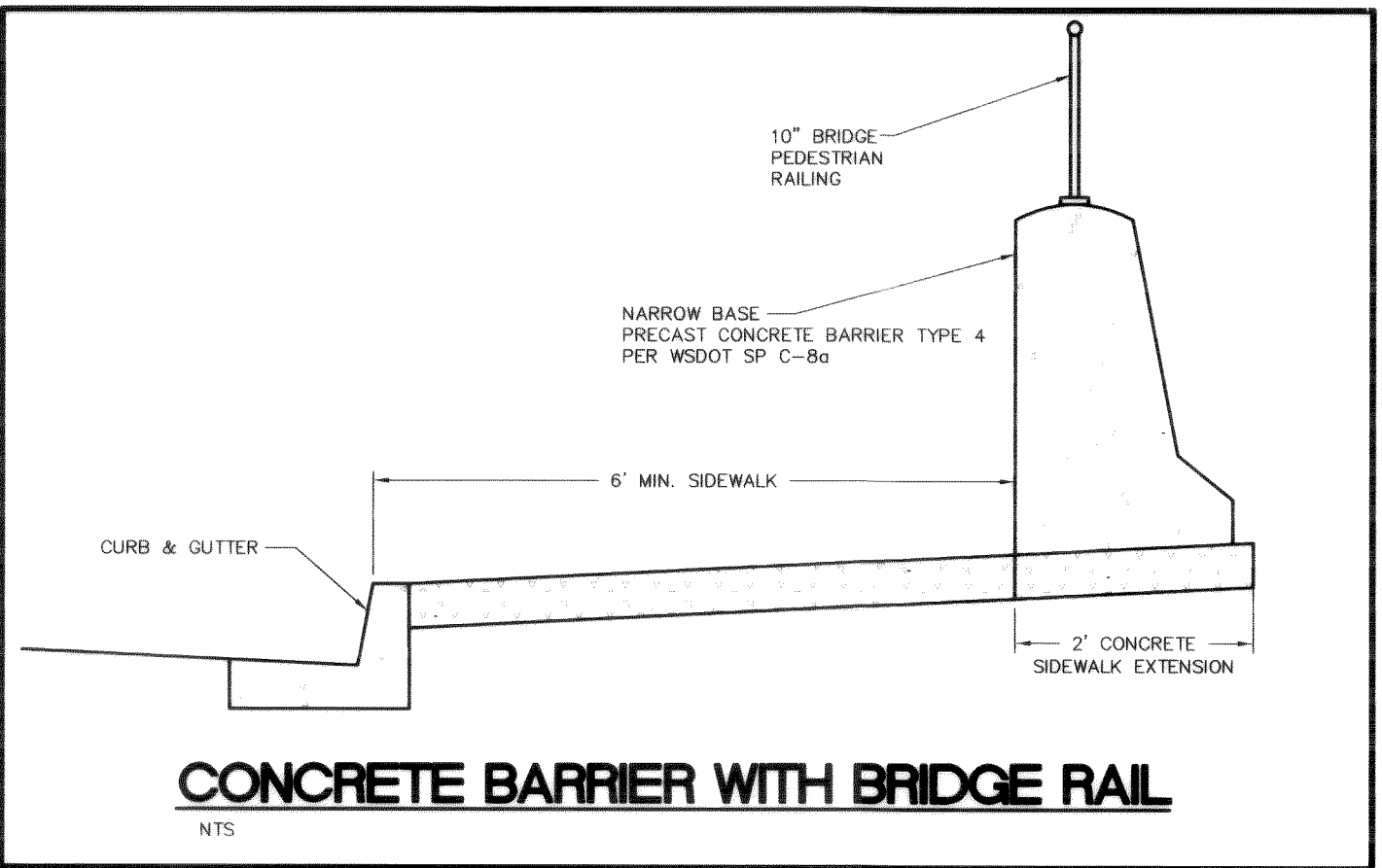
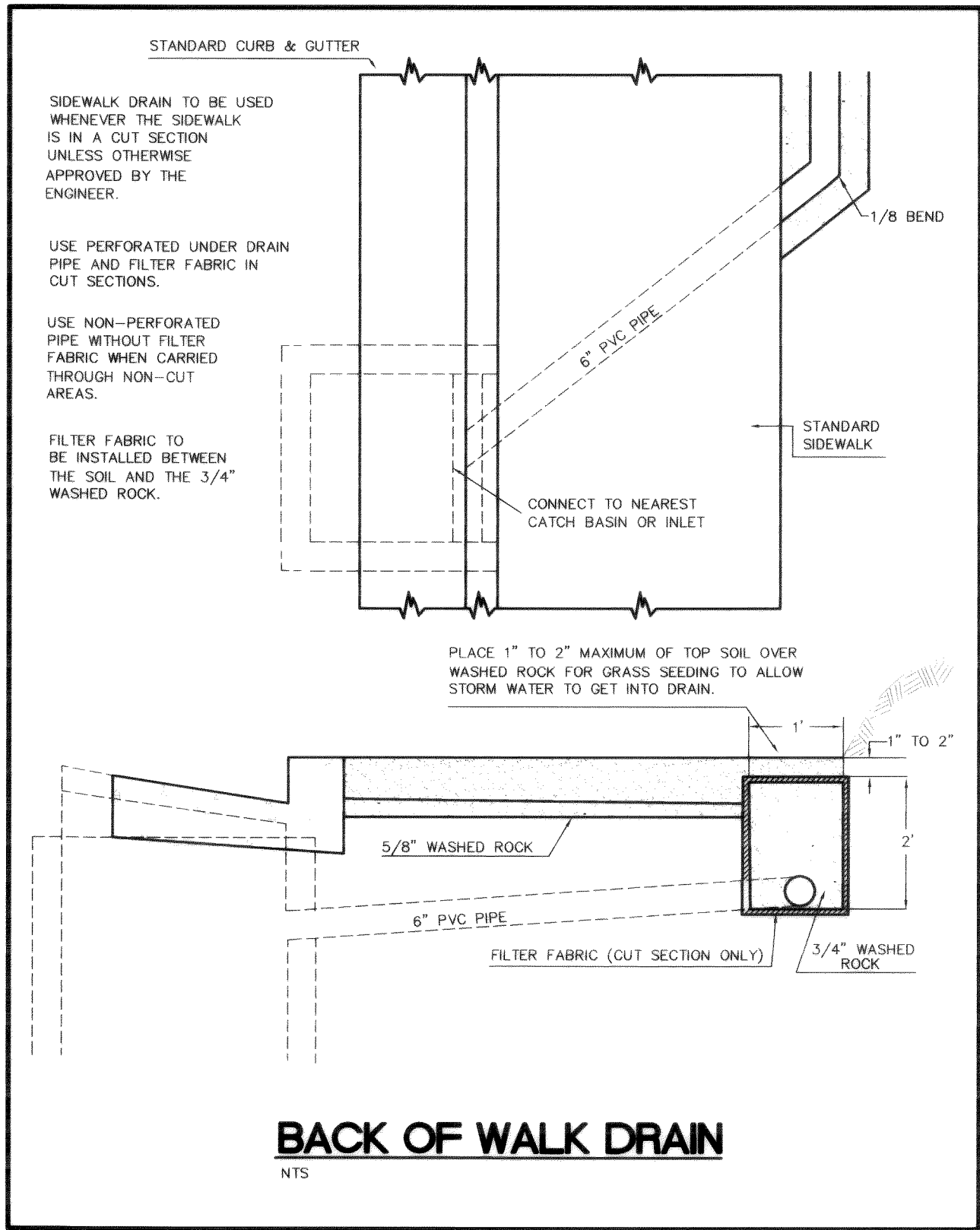
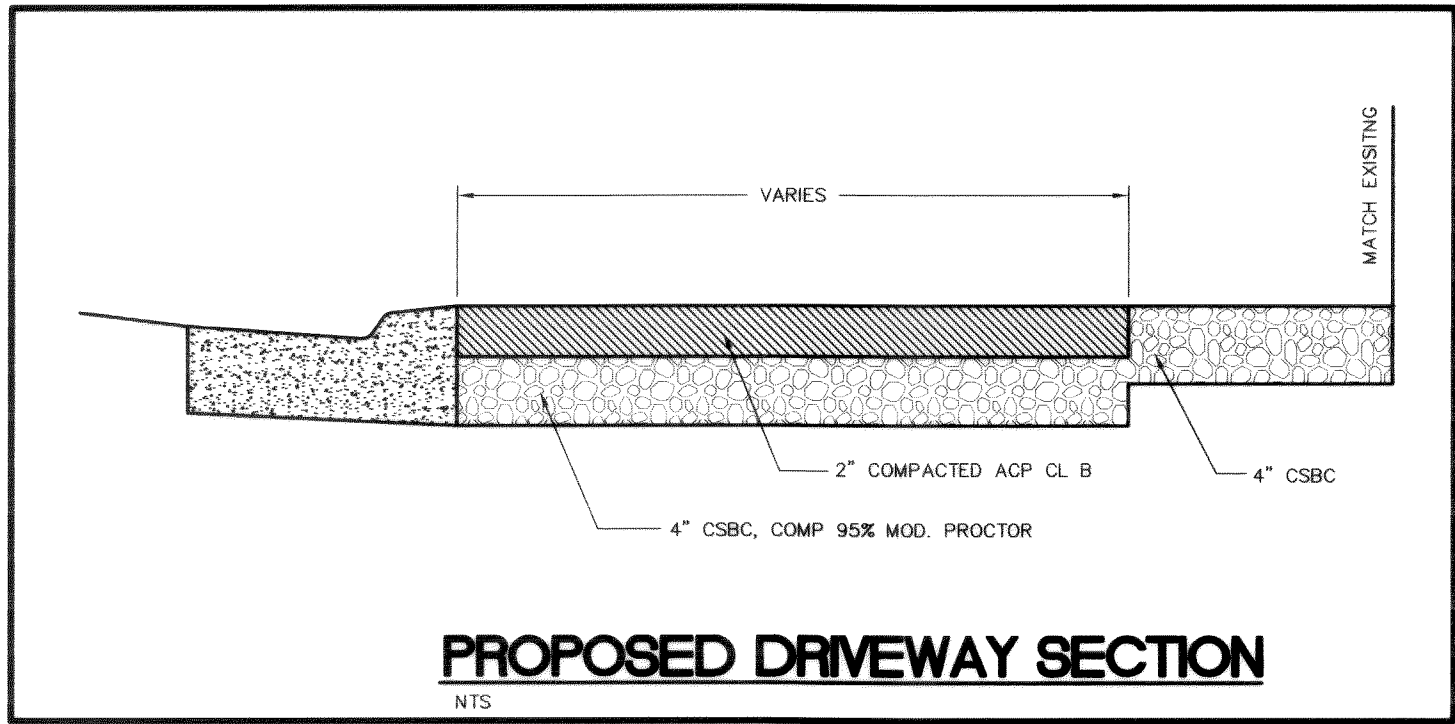
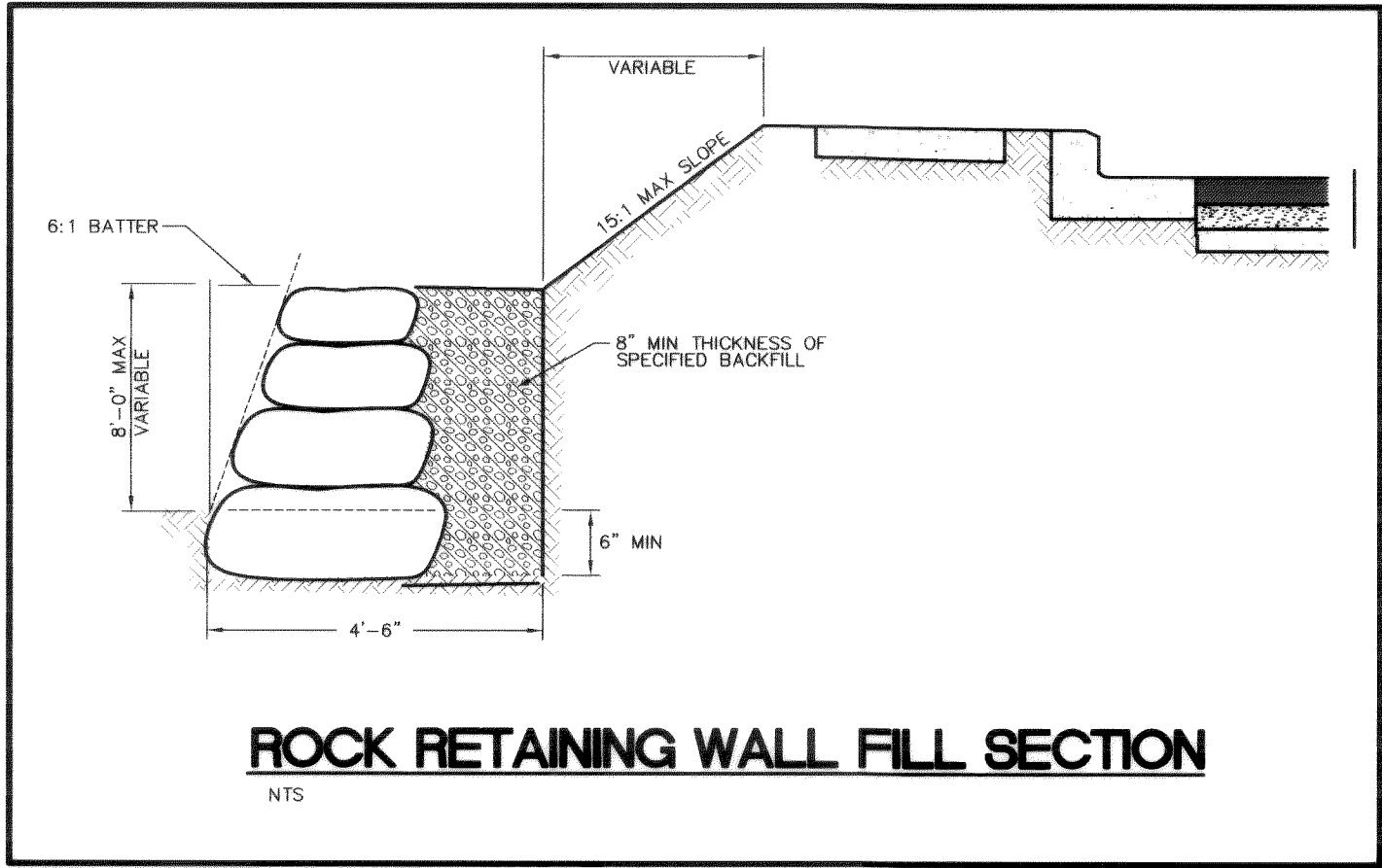
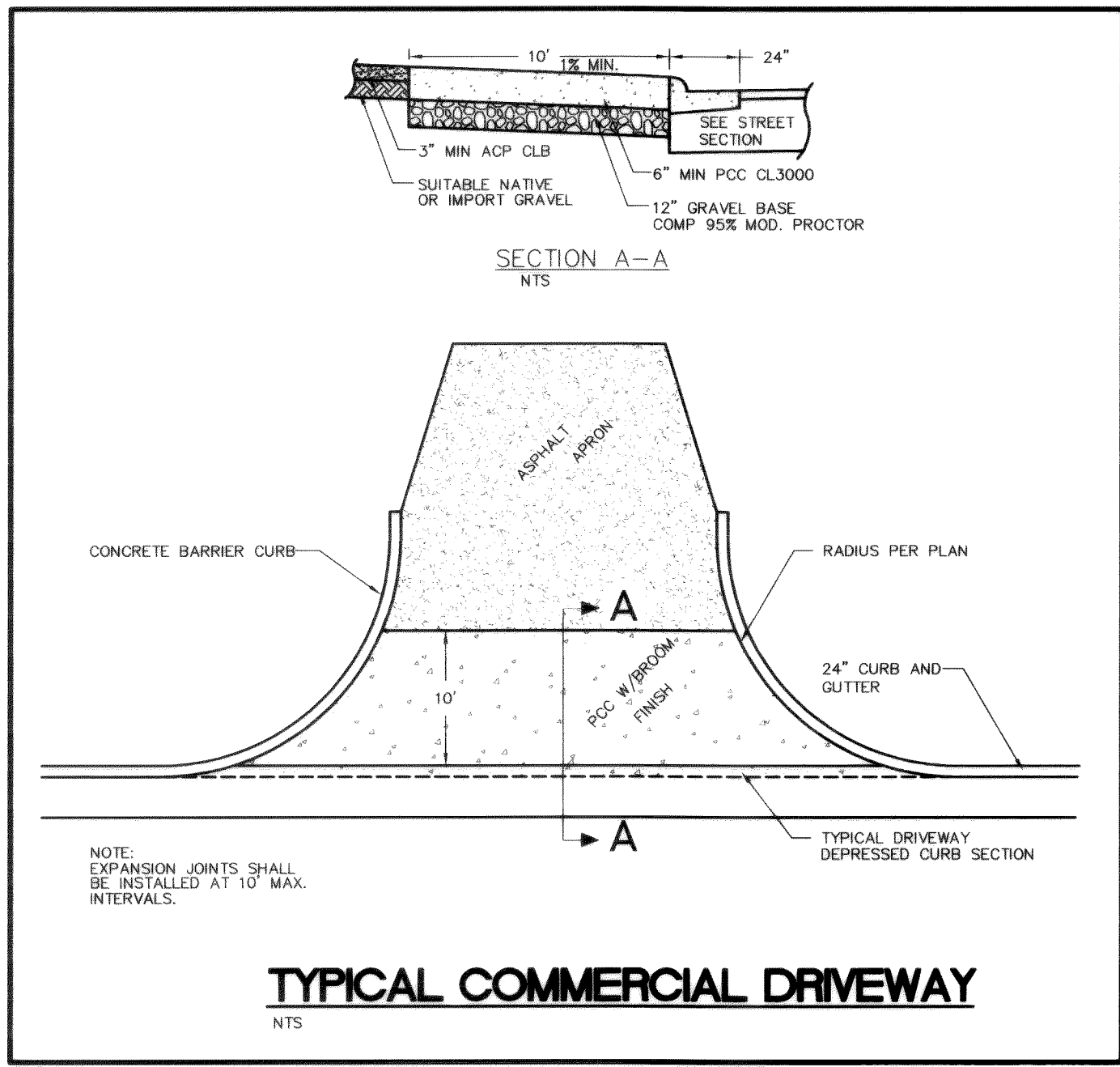
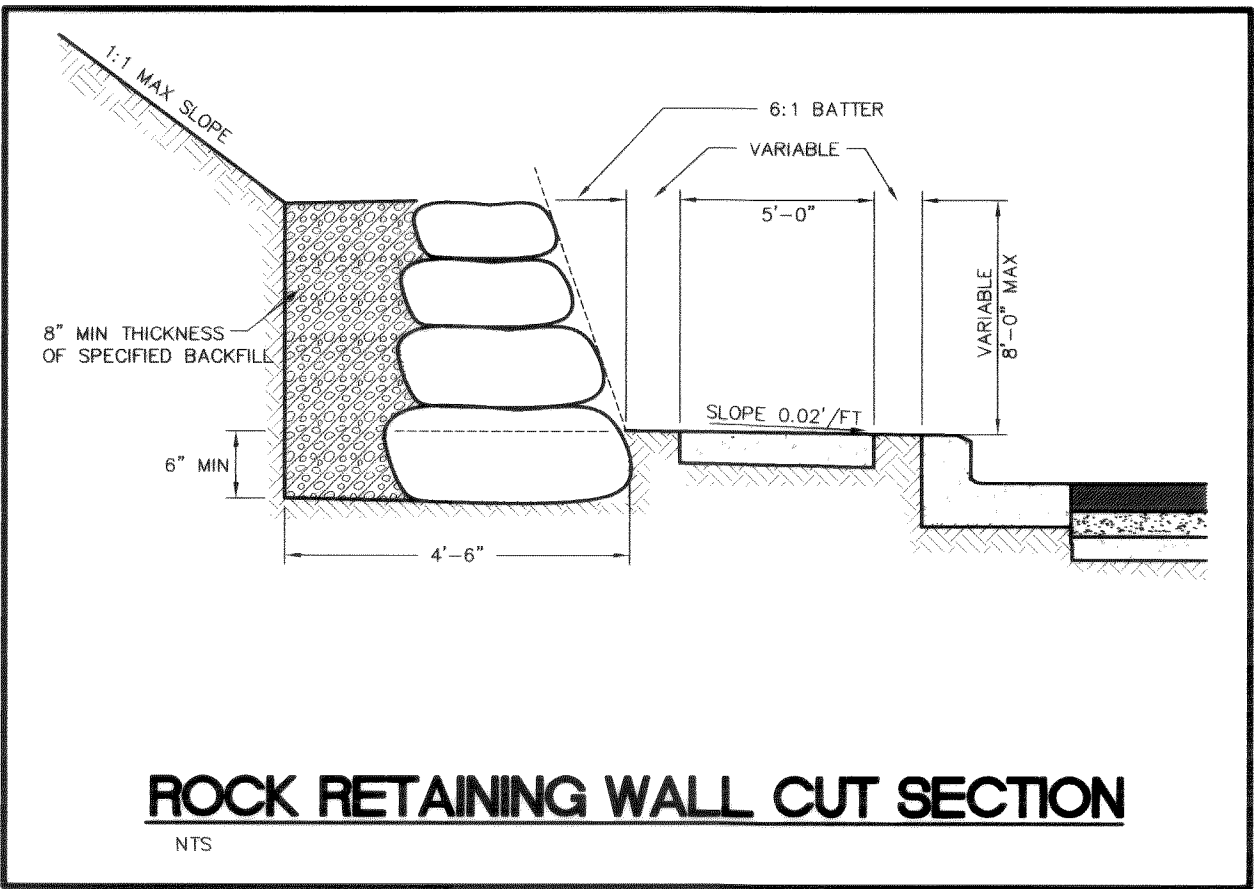
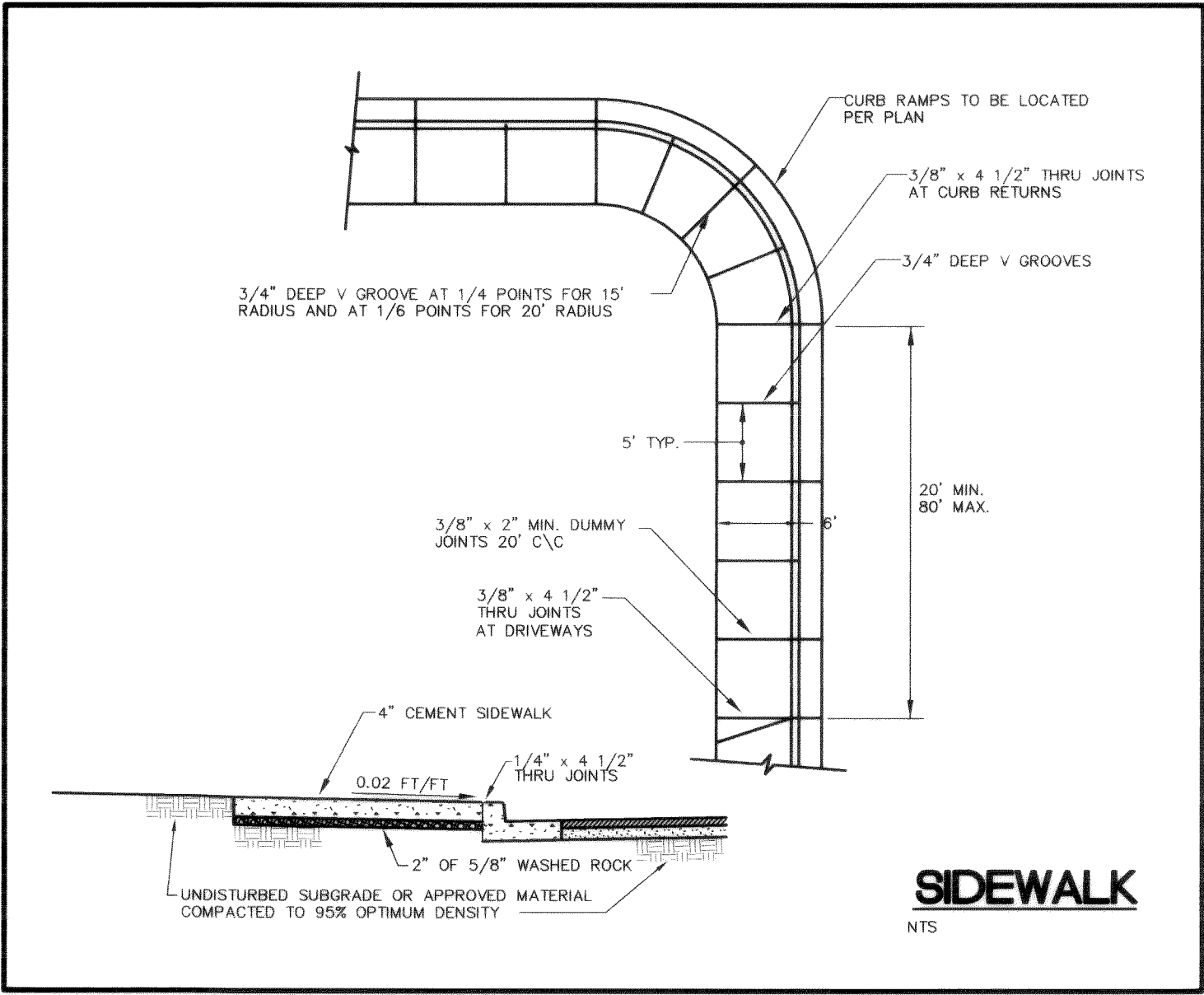
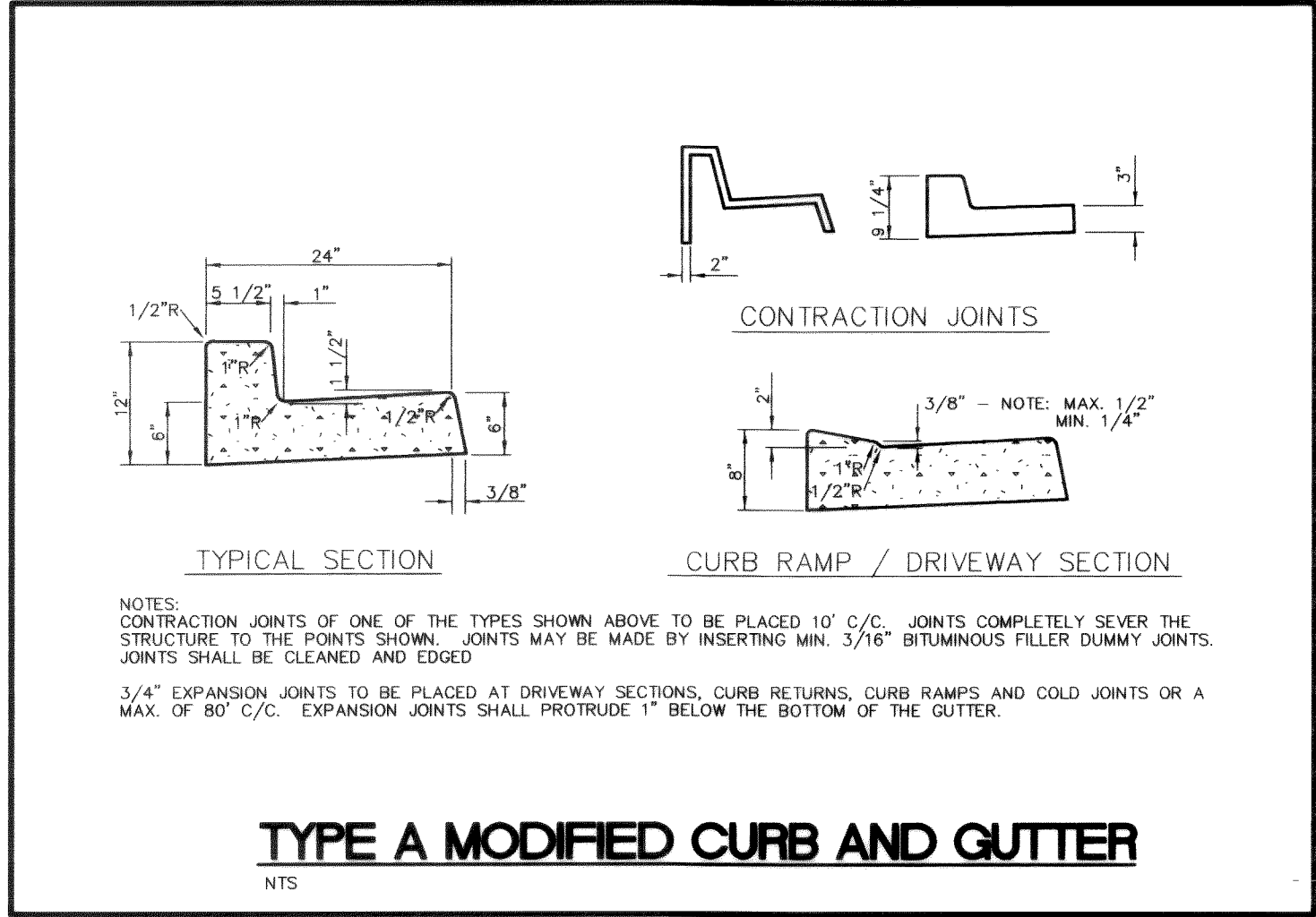
NO.	DATE	REVISION	BY

CITY OF FERNDAL
2065 MAIN STREET
FERNDAL, WASHINGTON 98248

RURAL AND SUNSET
CHANNELIZATION PLAN
SLATER ROAD

JOB# / DWG	00010 10CHAN	DATE	6-3-03
SCALE	H: 1"=50' V: N/A	SHEET	CH2

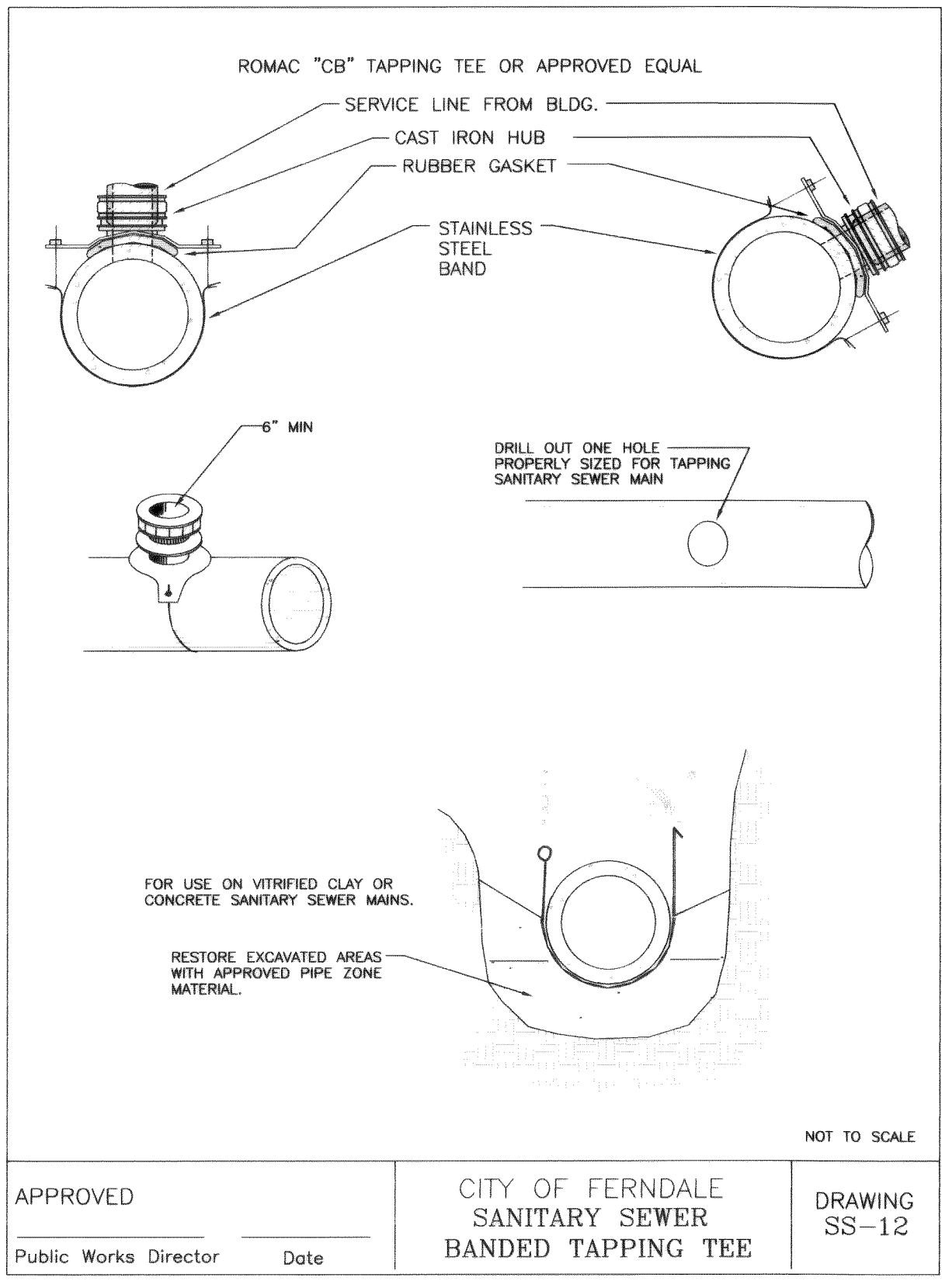




DATE 7-28-05 **AS-BUILT** FA NO. REV-8041(001)

	DESIGNED 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 FERINDALE 2085 MAIN STREET FERINDALE, WASHINGTON 98248	RURAL AND SUNSET DETAIL SHEET	JOB# / DWG	DATE	
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	DRAWN BY											
	LMC											
CHECKED BY	GDE			NO.	DATE	REVISION	BY			SCALE	SHEET	
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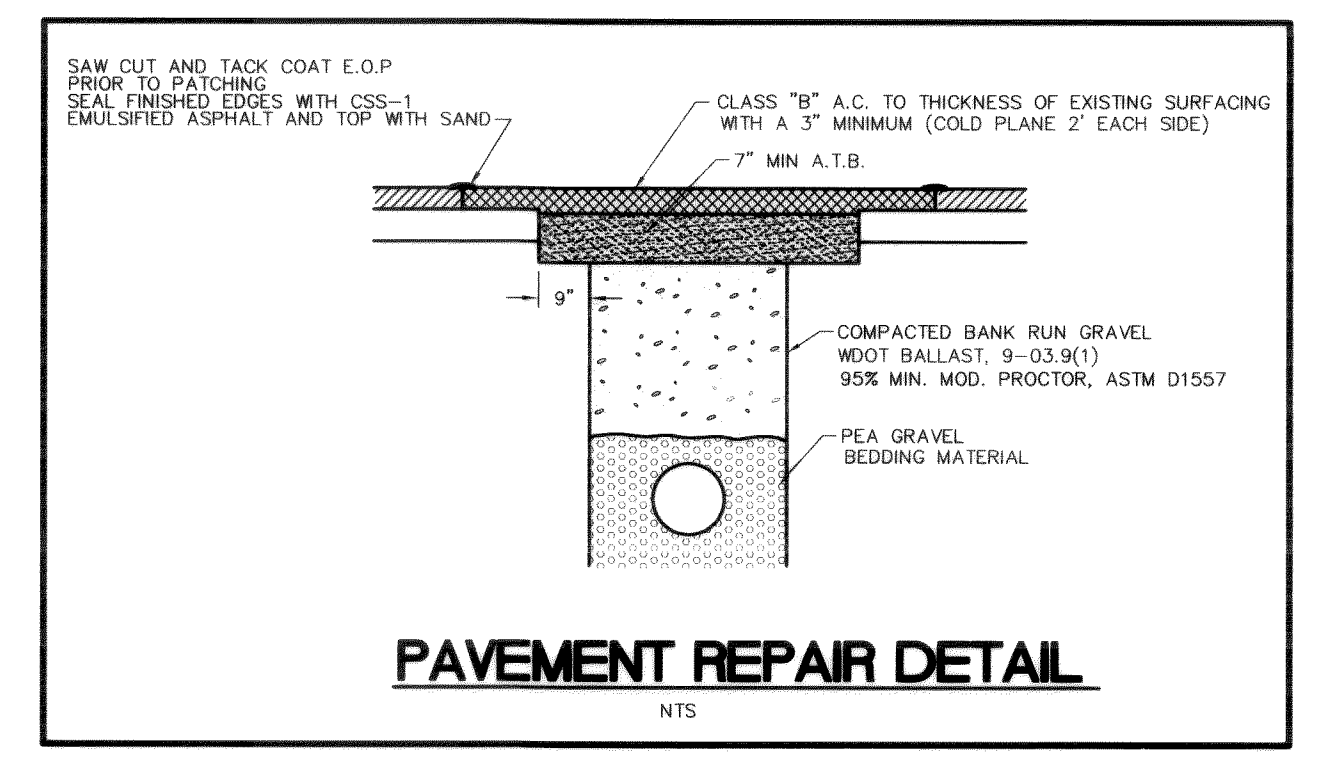
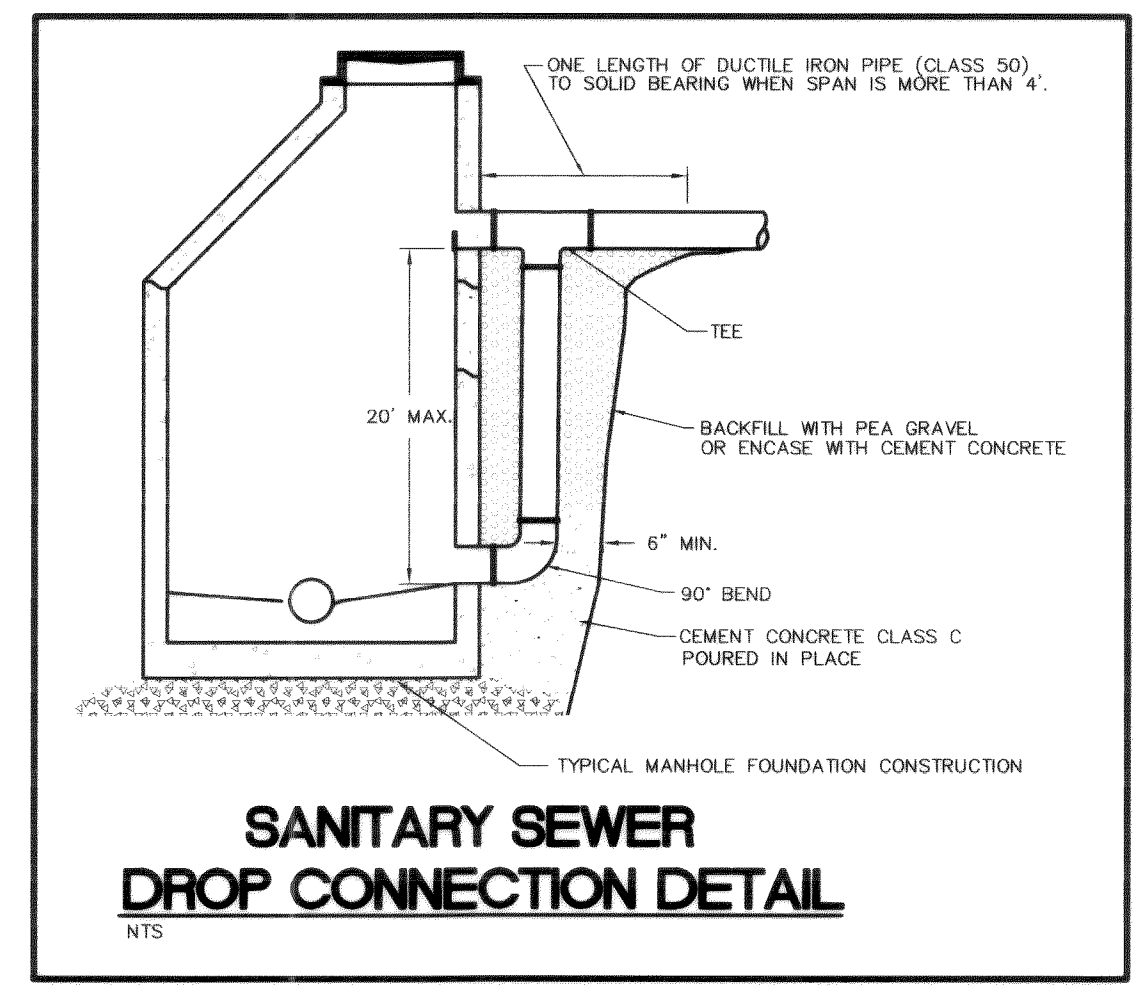
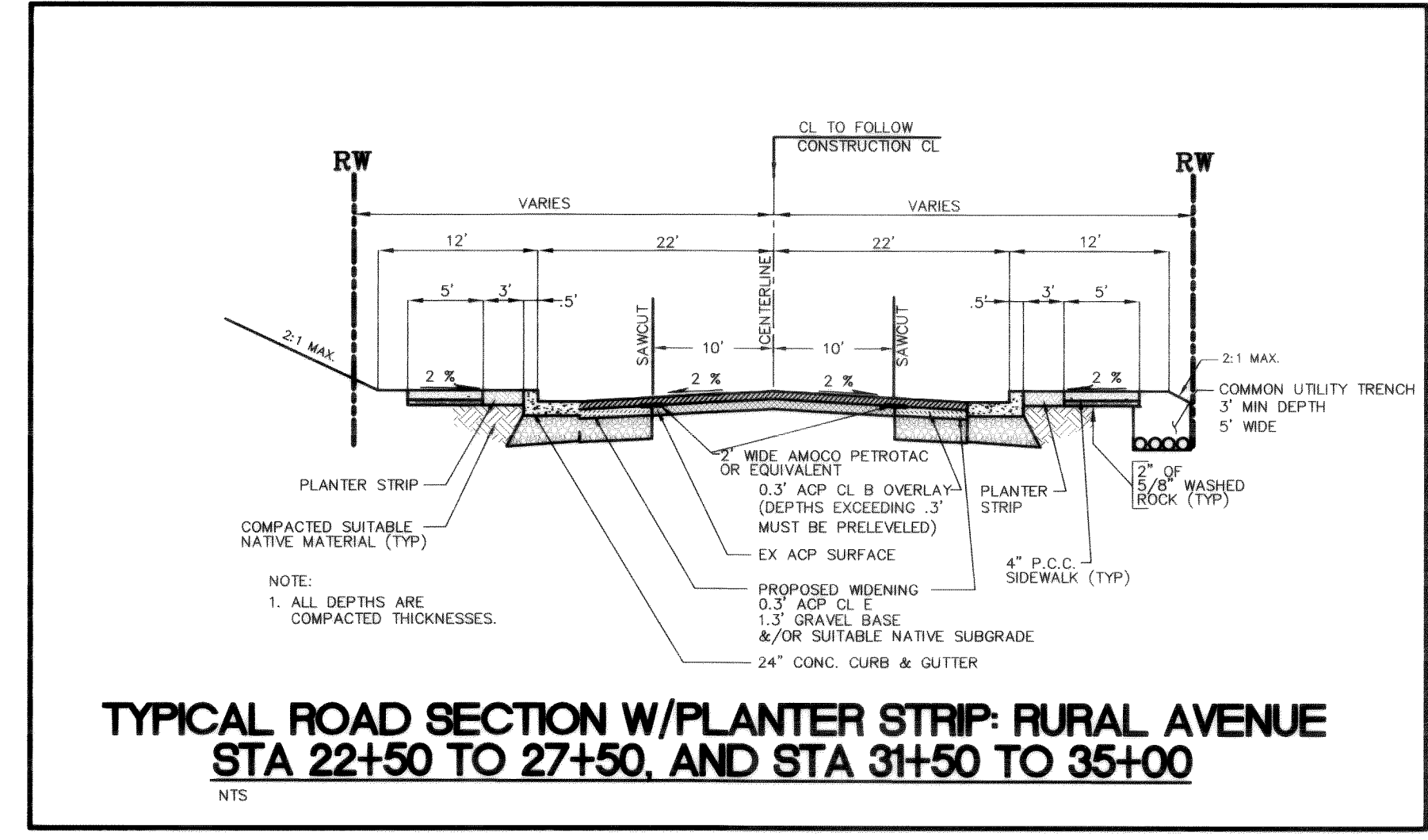
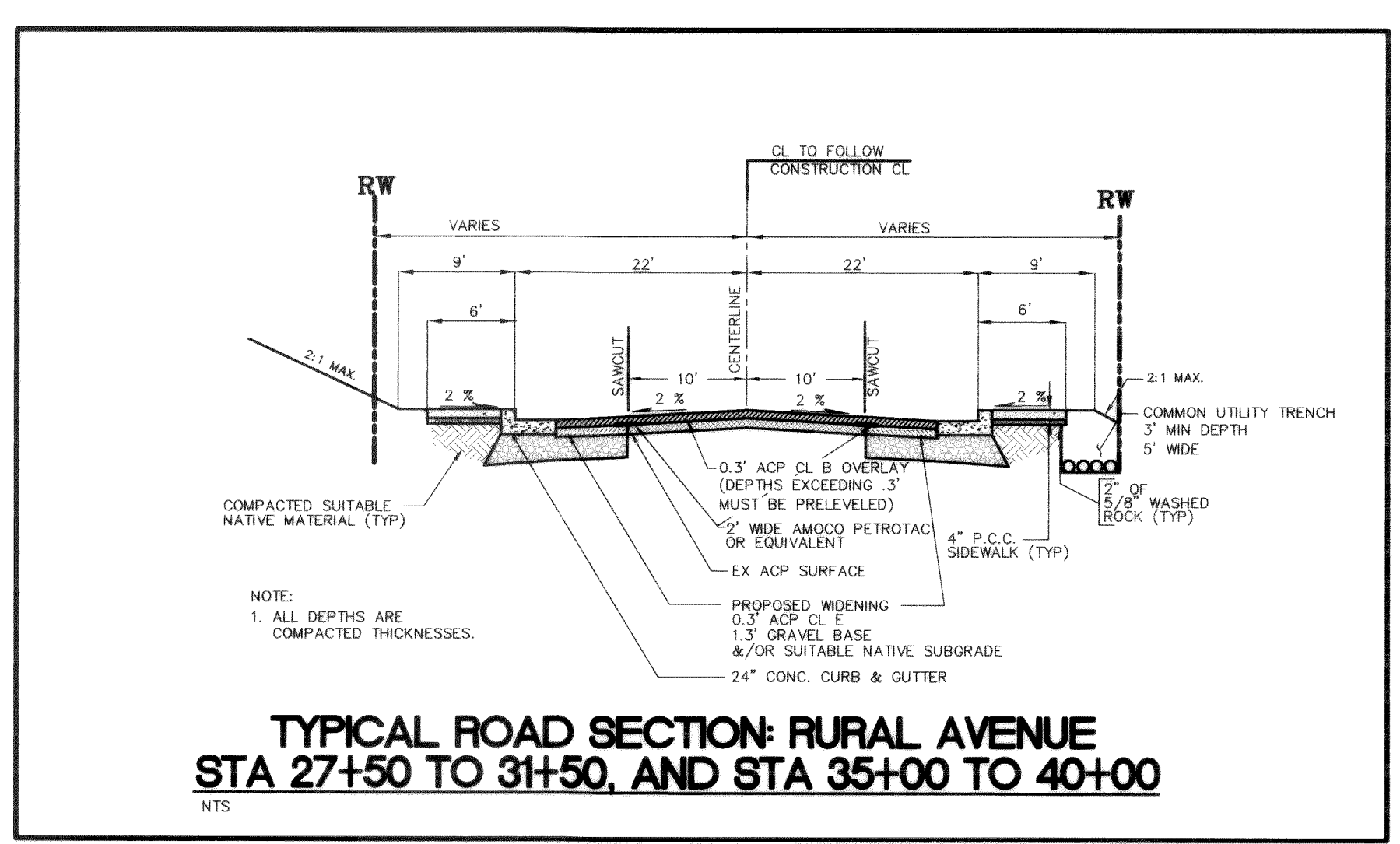
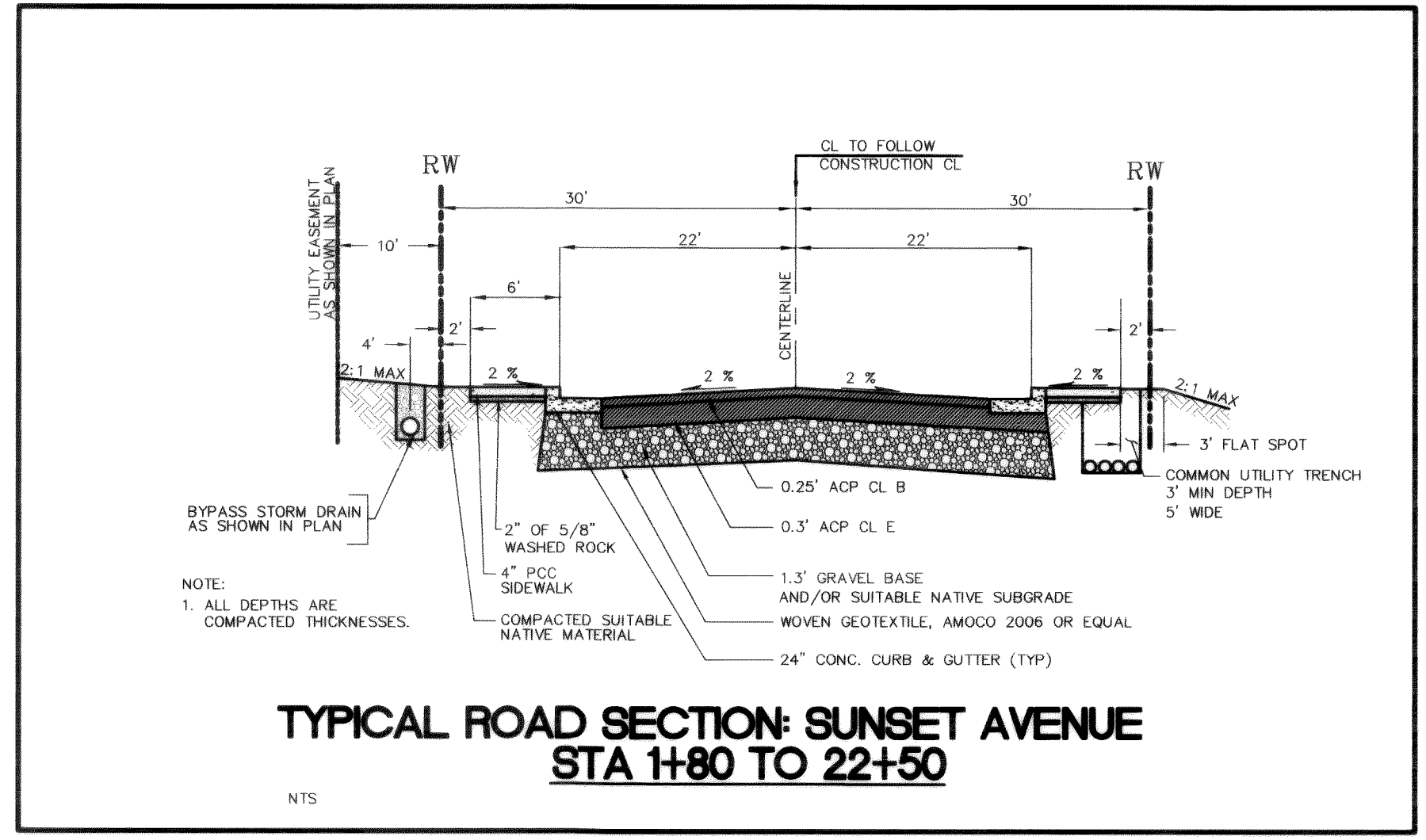
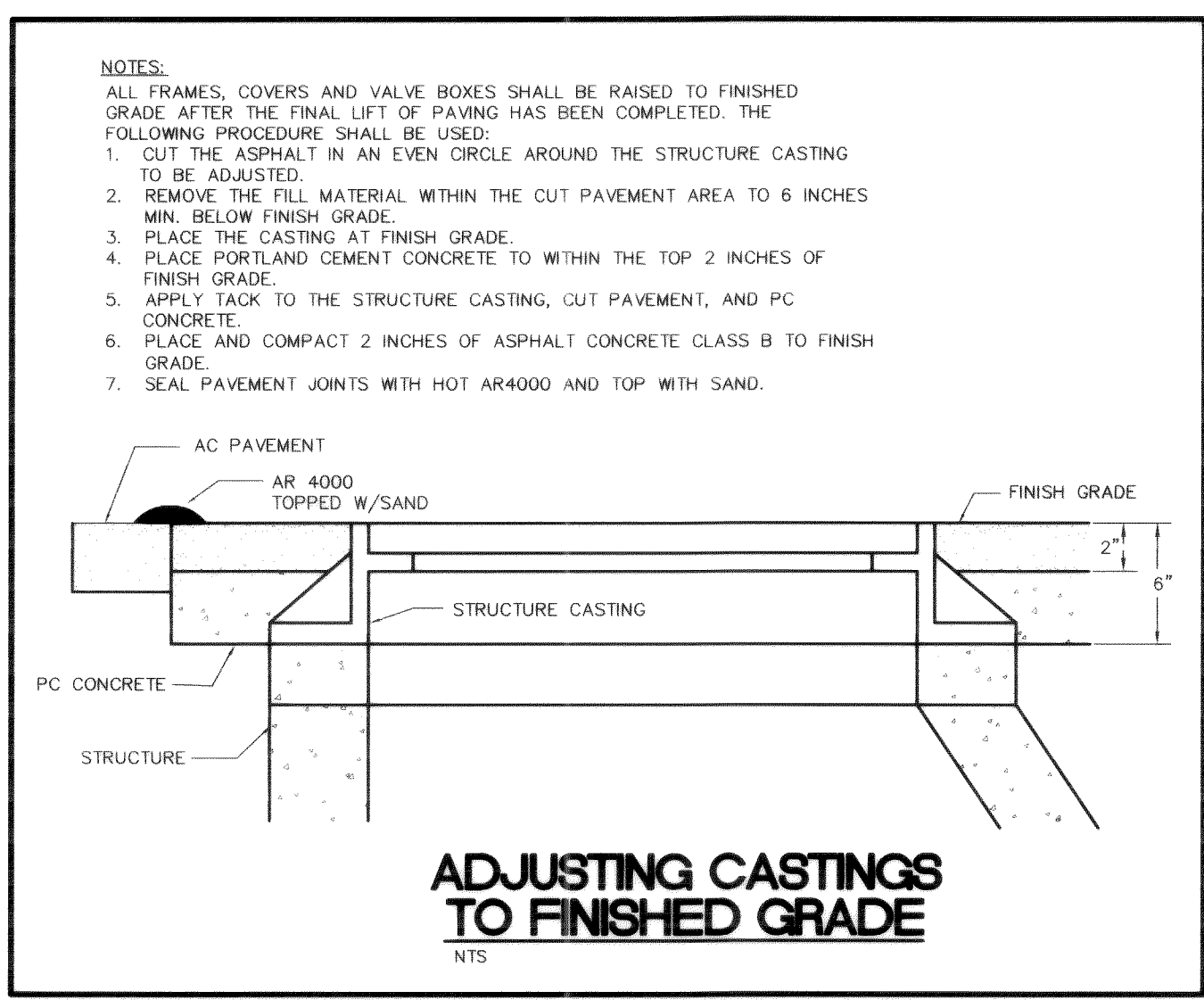
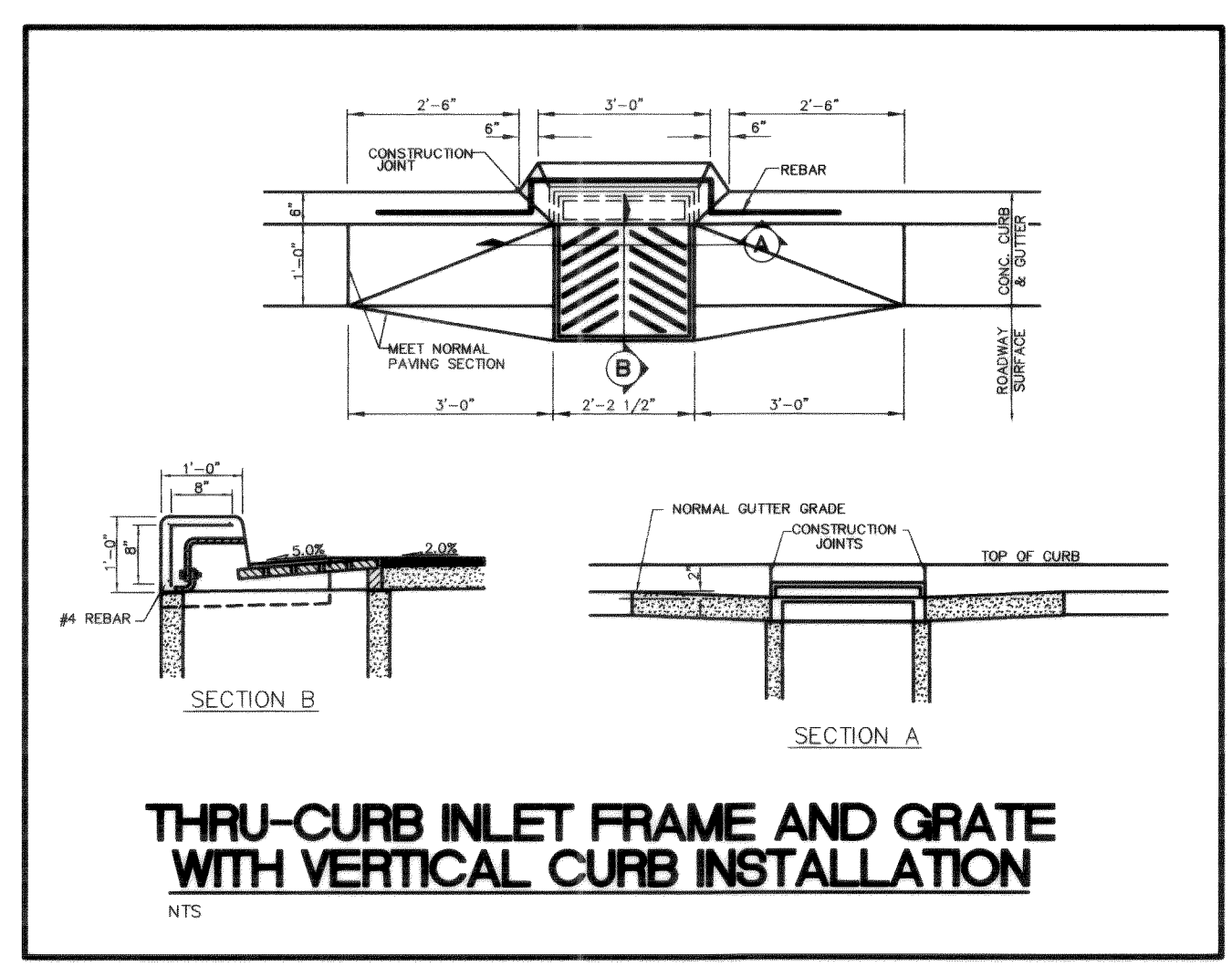
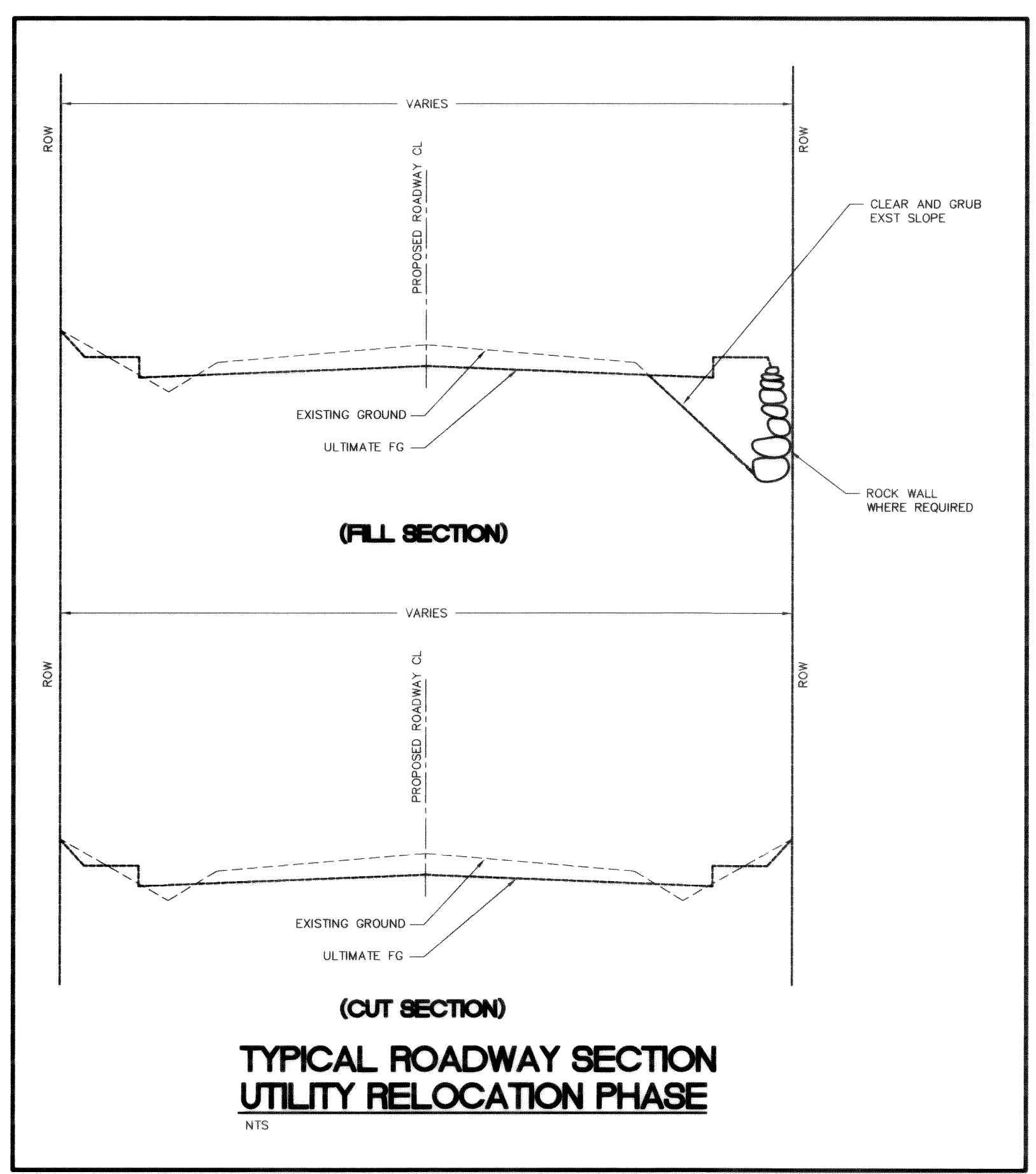
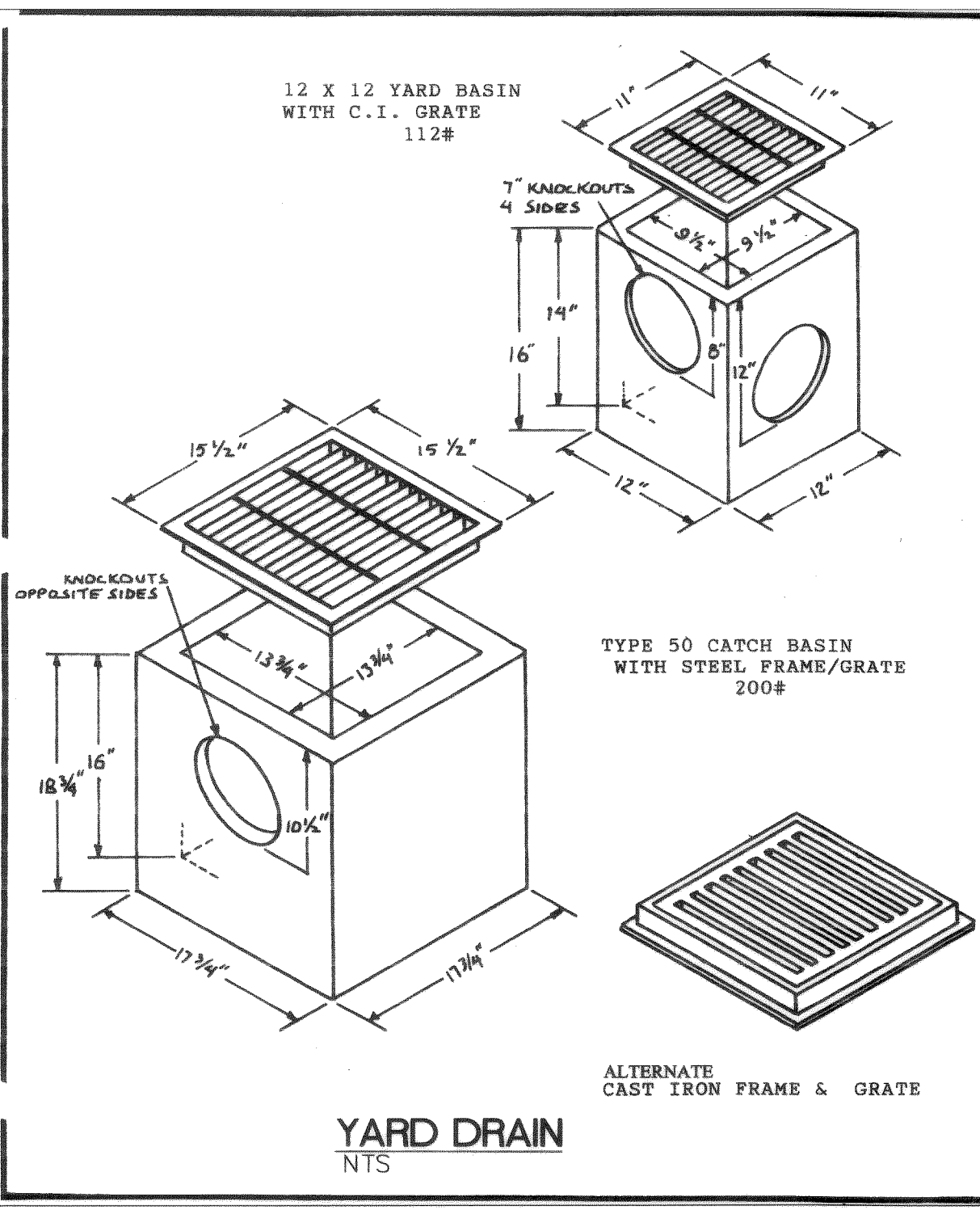


APPROVED _____
Public Works Director Date

CITY OF FERDALE
SANITARY SEWER
BANDED TAPPING TEE

DRAWING
SS-12

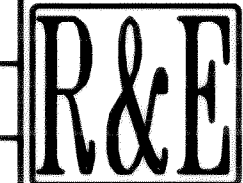
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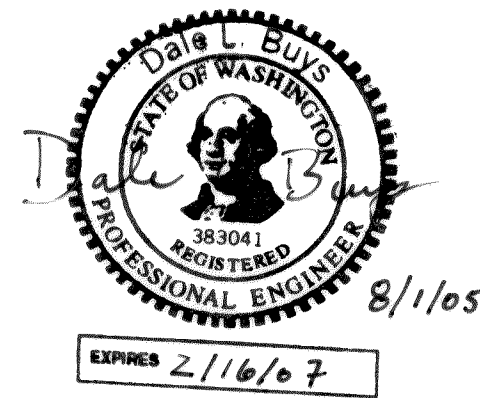
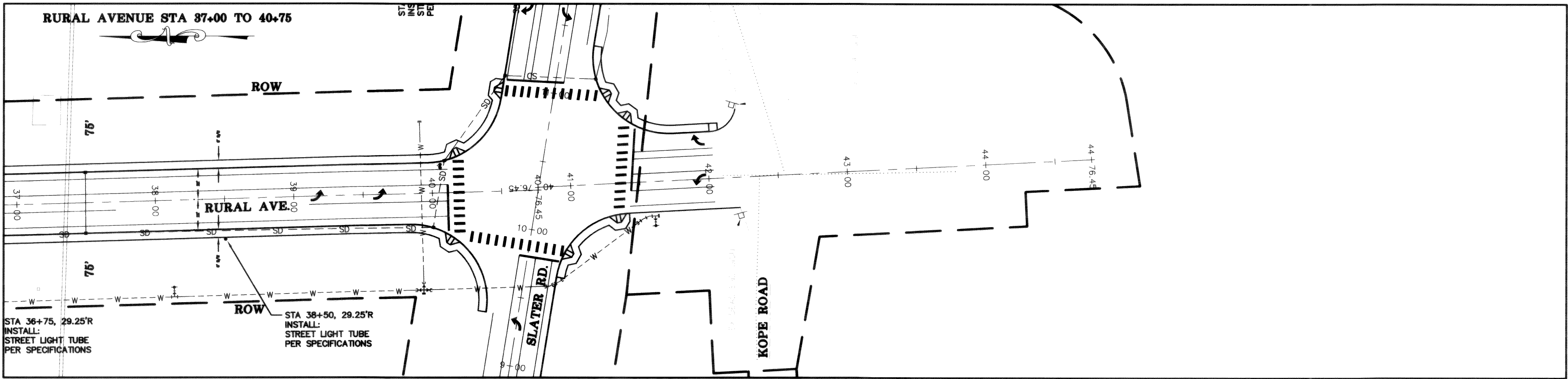
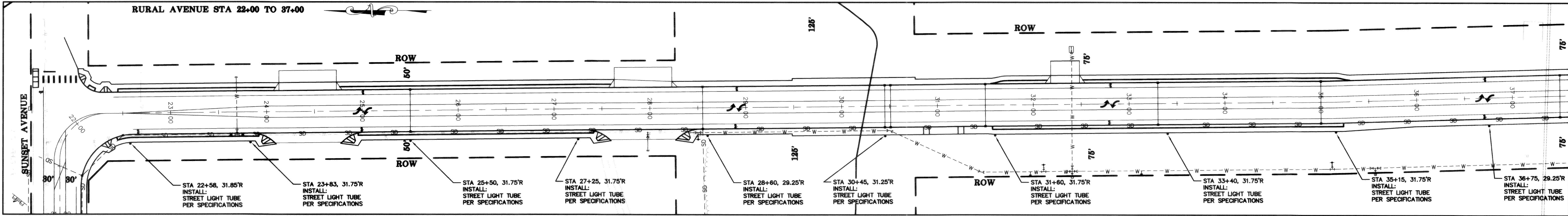
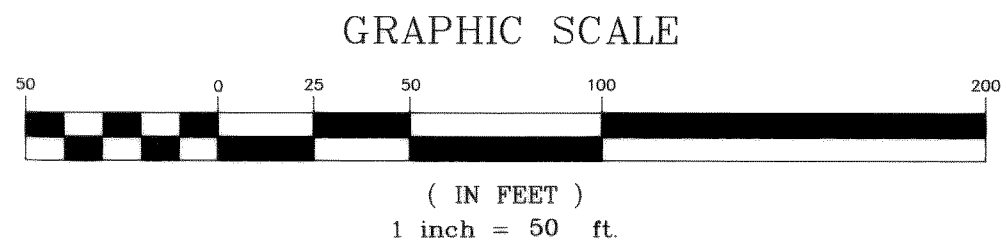
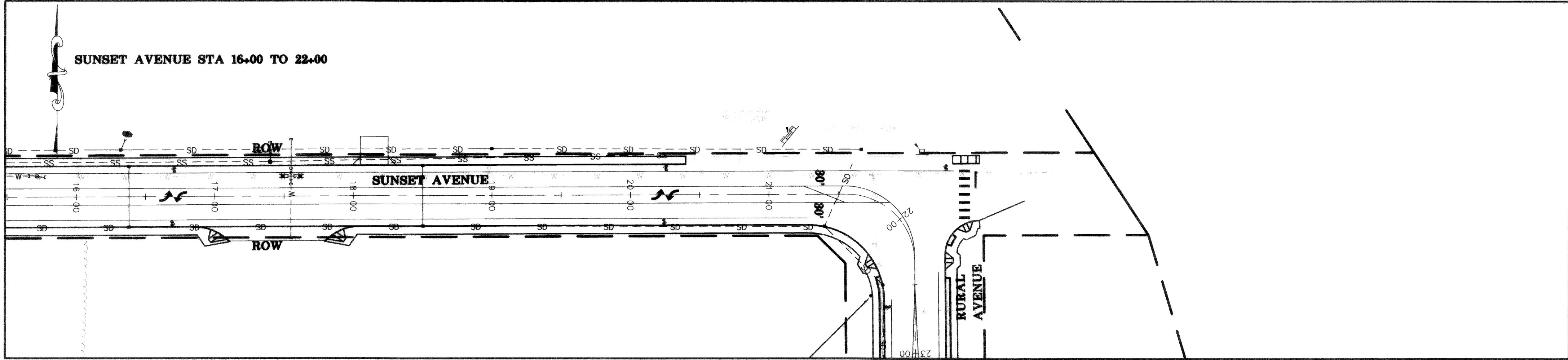
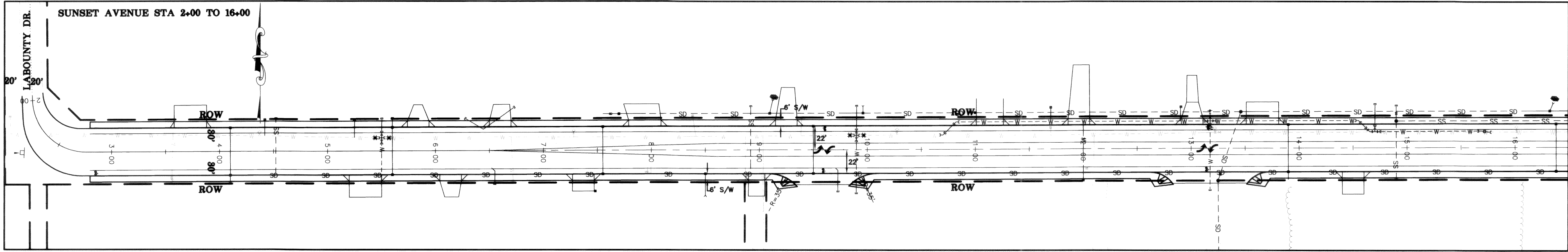
DALE L. BURNS
STATE OF WASHINGTON
REGISTERED
PROFESSIONAL ENGINEER
383041
8/11/05
EXPIRES 2/16/07

DATE: 7-29-05
AS-BUILT
FA NO. REV-8041(001)

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DESIGNED BY DLB		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	NO.	DATE	REVISION	BY	CITY OF FERDALE 2005 MAIN STREET FERDALE, WASHINGTON 98248	RURAL AND SUNSET DETAIL SHEET	JOB# / DWG 00010 010DT1	DATE 6-3-03
DRAWN BY LMC										
CHECKED BY GDE										
SCALE H:N/A V:N/A										
SHEET DT3										

00102.022 10-25-05 KR



DATE:
7-28-03

AS-BUILT

FA NO. REV-8041(001)

DESIGNED BY
DLB
DRAWN BY
LMC
CHECKED BY
GDE



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ENGINEERING, INC.
CONSULTING ENGINEERS

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Lynden, Washington 98264 Fax (360) 354-0407

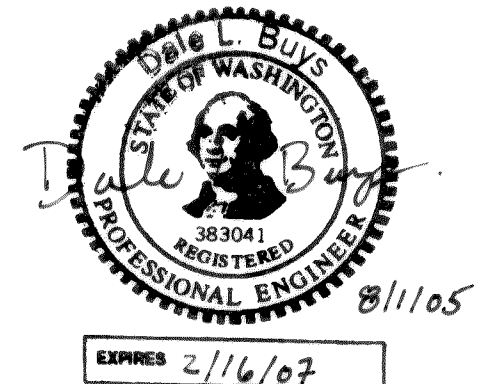
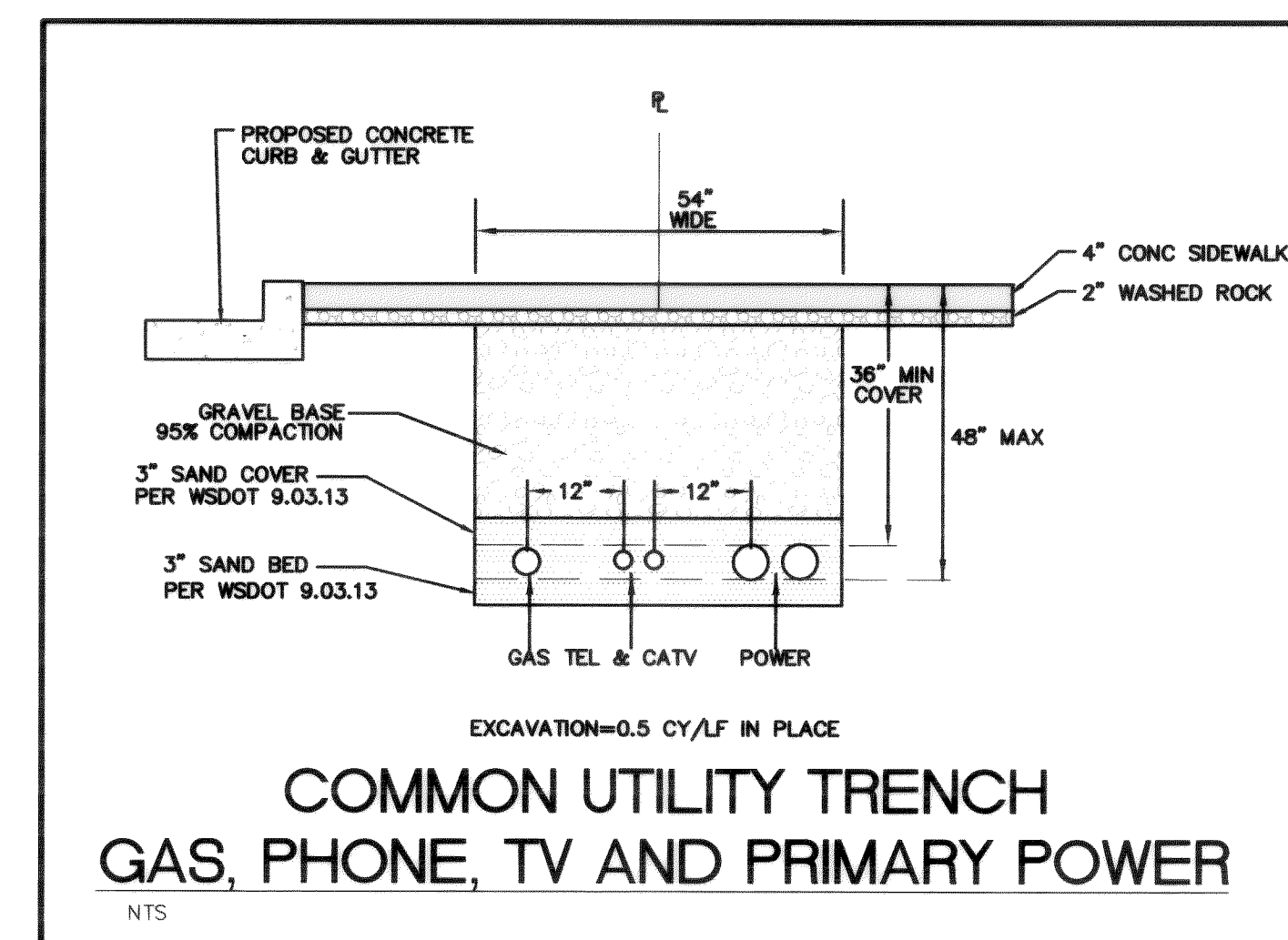
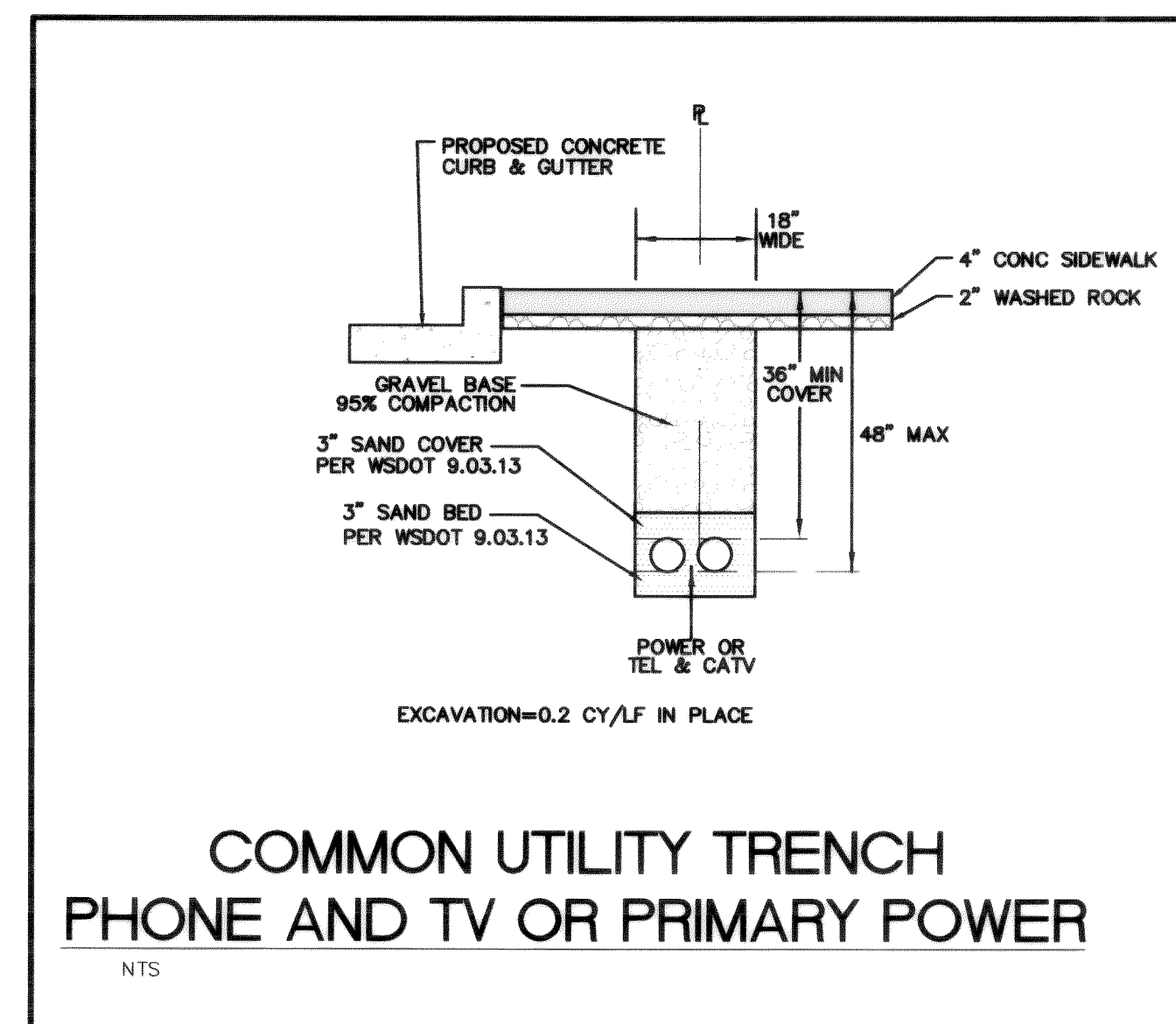
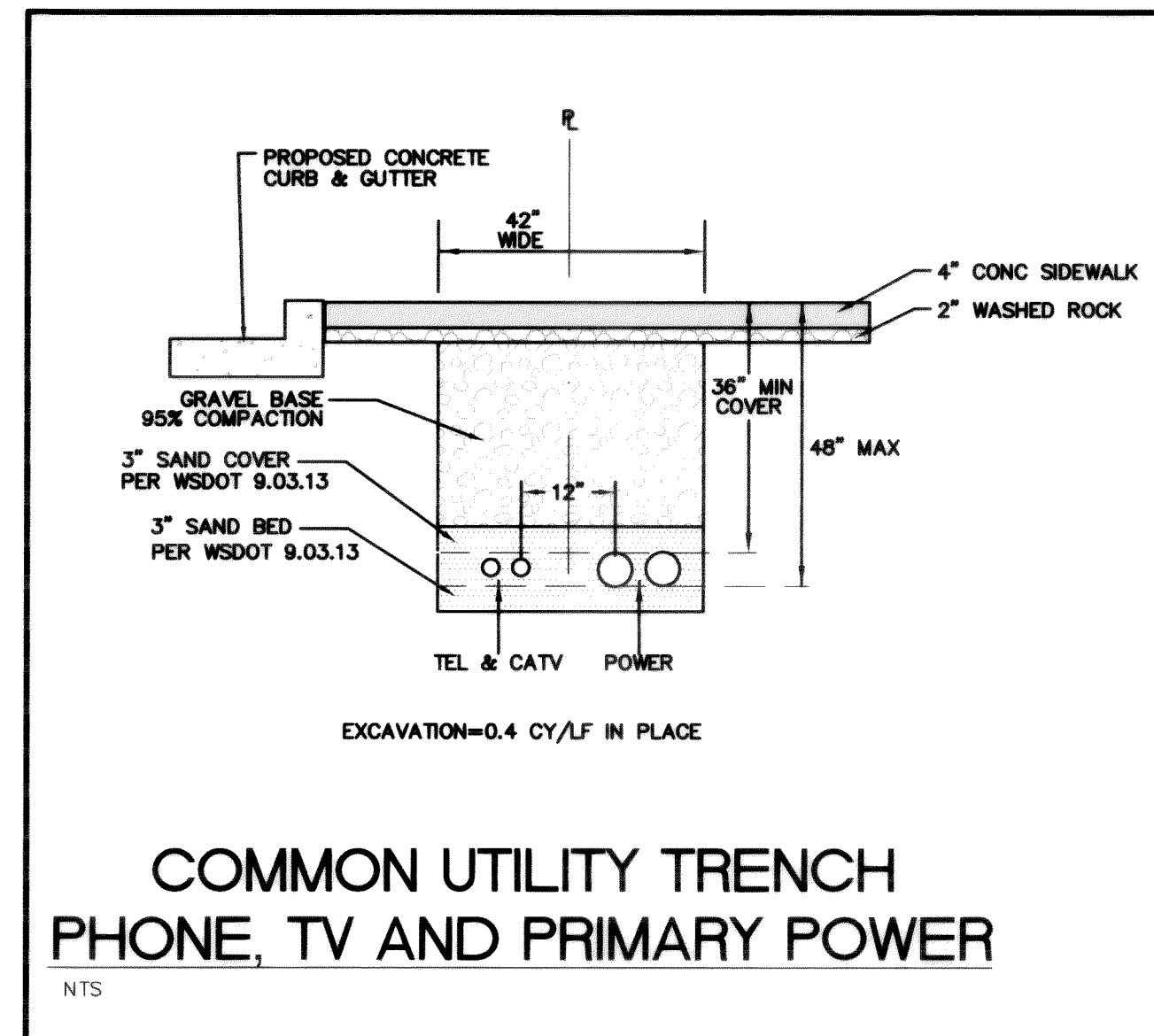
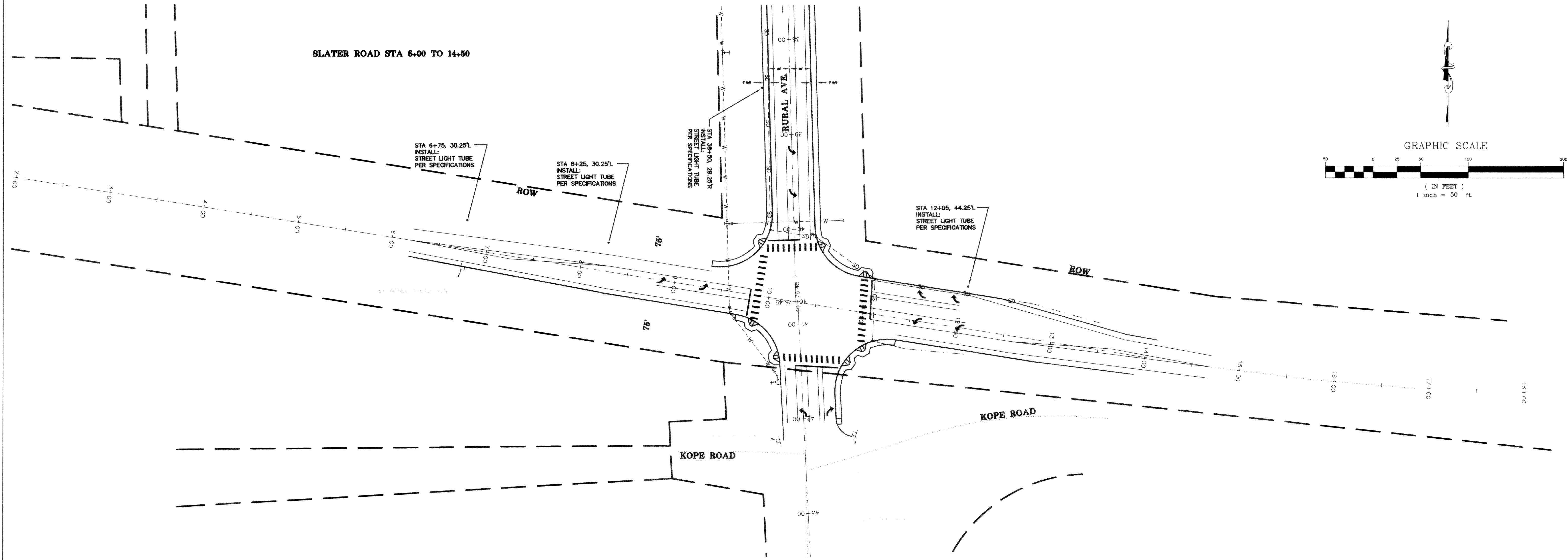
NO.	DATE	REVISION	BY

CITY OF FERNDALE
2005 MAIN STREET
FERNDALE, WASHINGTON 98248

RURAL AND SUNSET
STREET LIGHT TUBE PLAN
RURAL AND SUNSET AVENUES

JOB# / DWG
00010 10SL
SCALE
H: 1"=50' V: N/A

DATE
6-3-03
SHEET
SL1



DATE: 7-28-05
AS-BUILT

FA NO. REV-8041(001)

DESIGNED BY
DLB
DRAWN BY
LMC
CHECKED BY
GDE

R&E

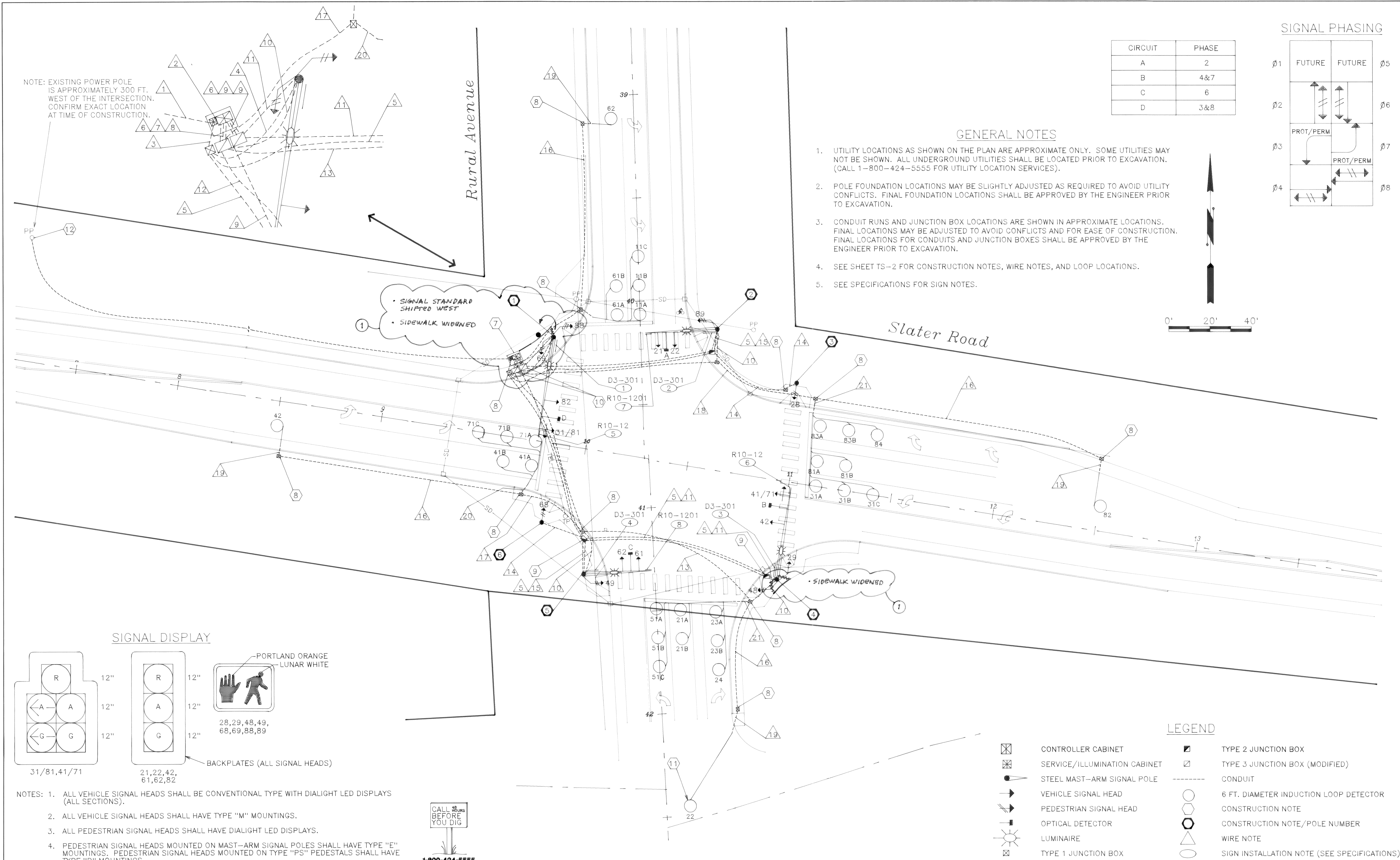
REICHHARDT & EBE
ENGINEERING, INC.
CONSULTING ENGINEERS
PO Box 978 423 Front St., Ste 201
Lynden, Washington 98264
Ph (360) 354-3687
Fax (360) 354-0407

NO.	DATE	REVISION	BY

CITY OF FERNDALE
2095 MAIN STREET
FERNDALE, WASHINGTON 98248

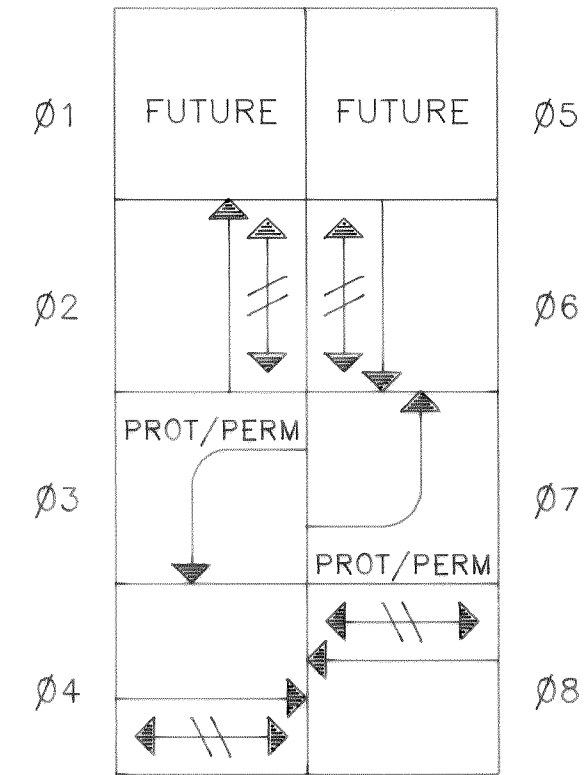
RURAL AND SUNSET
STREET LIGHT TUBE PLAN
SLATER ROAD

JOB# / DWG	DATE
00010 10SL	6-3-03
SCALE	SHEET
H: 1" = 50' V: N/A	SL2



CIRCUIT	PHASE
A	2
B	4&7
C	6
D	3&8

SIGNAL PHASING

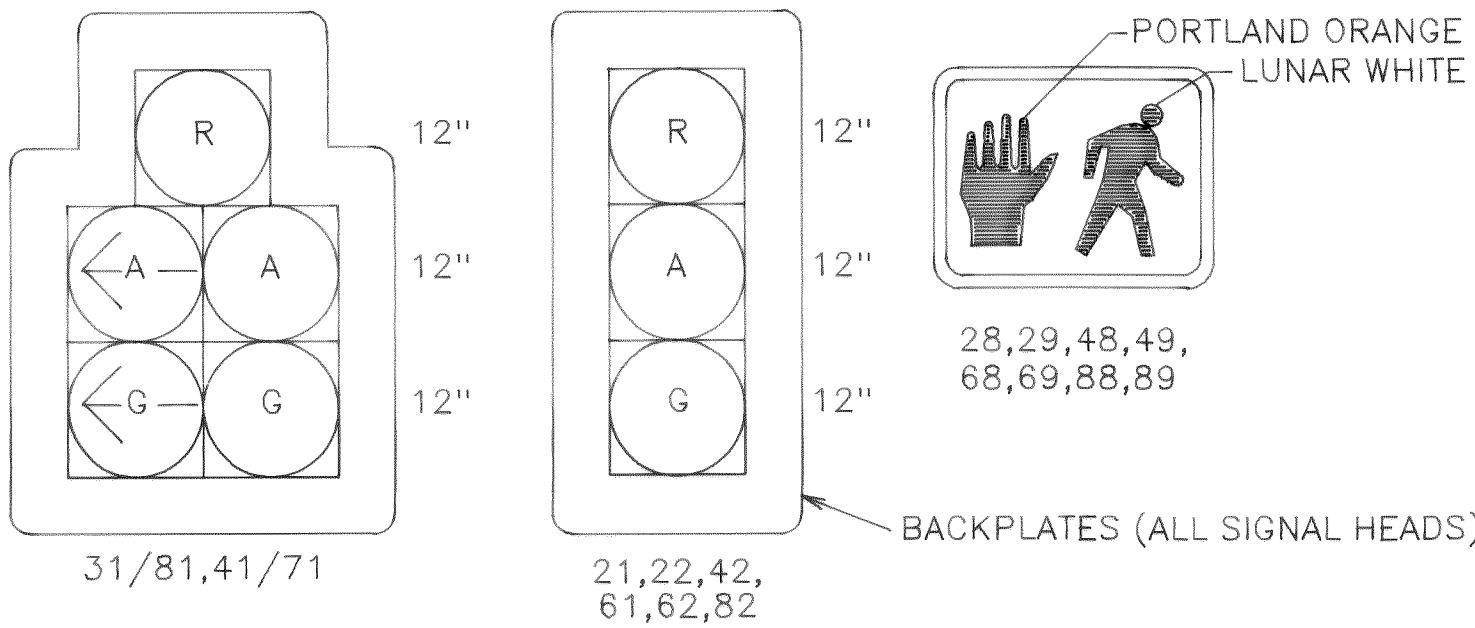


GENERAL NOTES

- UTILITY LOCATIONS AS SHOWN ON THE PLAN ARE APPROXIMATE ONLY. SOME UTILITIES MAY NOT BE SHOWN. ALL UNDERGROUND UTILITIES SHALL BE LOCATED PRIOR TO EXCAVATION. (CALL 1-800-424-5555 FOR UTILITY LOCATION SERVICES).
- POLE FOUNDATION LOCATIONS MAY BE SLIGHTLY ADJUSTED AS REQUIRED TO AVOID UTILITY CONFLICTS. FINAL FOUNDATION LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO EXCAVATION.
- CONDUIT RUNS AND JUNCTION BOX LOCATIONS ARE SHOWN IN APPROXIMATE LOCATIONS. FINAL LOCATIONS MAY BE ADJUSTED TO AVOID CONFLICTS AND FOR EASE OF CONSTRUCTION. FINAL LOCATIONS FOR CONDUITS AND JUNCTION BOXES SHALL BE APPROVED BY THE ENGINEER PRIOR TO EXCAVATION.
- SEE SHEET TS-2 FOR CONSTRUCTION NOTES, WIRE NOTES, AND LOOP LOCATIONS.
- SEE SPECIFICATIONS FOR SIGN NOTES.



SIGNAL DISPLAY



- NOTES:
- ALL VEHICLE SIGNAL HEADS SHALL BE CONVENTIONAL TYPE WITH DIALIGHT LED DISPLAYS (ALL SECTIONS).
 - ALL VEHICLE SIGNAL HEADS SHALL HAVE TYPE "M" MOUNTINGS.
 - ALL PEDESTRIAN SIGNAL HEADS SHALL HAVE DIALIGHT LED DISPLAYS.
 - PEDESTRIAN SIGNAL HEADS MOUNTED ON MAST-ARM SIGNAL POLES SHALL HAVE TYPE "E" MOUNTINGS. PEDESTRIAN SIGNAL HEADS MOUNTED ON TYPE "PS" PEDESTALS SHALL HAVE TYPE "D" MOUNTINGS.



1-800-424-5555

LEGEND

- | | | | |
|--|------------------------------|--|---|
| | CONTROLLER CABINET | | TYPE 2 JUNCTION BOX |
| | SERVICE/ILLUMINATION CABINET | | TYPE 3 JUNCTION BOX (MODIFIED) |
| | STEEL MAST-ARM SIGNAL POLE | | CONDUIT |
| | VEHICLE SIGNAL HEAD | | 6 FT. DIAMETER INDUCTION LOOP DETECTOR |
| | PEDESTRIAN SIGNAL HEAD | | CONSTRUCTION NOTE |
| | OPTICAL DETECTOR | | CONSTRUCTION NOTE/POLE NUMBER |
| | LUMINAIRE | | WIRE NOTE |
| | TYPE 1 JUNCTION BOX | | SIGN INSTALLATION NOTE (SEE SPECIFICATIONS) |

FILE NAME: RURLSP	David I. Hamlin & Associates 1319 Dexter Avenue North Suite 270 Seattle, Washington 98109 (206) 285-9035		AGENCY APPROVAL	PROJECT TITLE	REVISIONS	SHEET TITLE	SHEET NO.
PLOT DATE			FOR	RURAL AND SUNSET AVENUES IMPROVEMENTS PROJECT	NO. DATE BY DESCRIPTION	Signal Plan	TS-1
DESIGN DATE: 9/01			BY		1 7/28/05 SRMH RECORD DRAWING		
DESIGNED: D. HAMLIN			DATE				
DRAWN: DesignCAD			BY				
CHECKED			DATE			OF SHEETS	UNITS CATEGORY

10-25-05 KR 00102.025

CONSTRUCTION NOTES

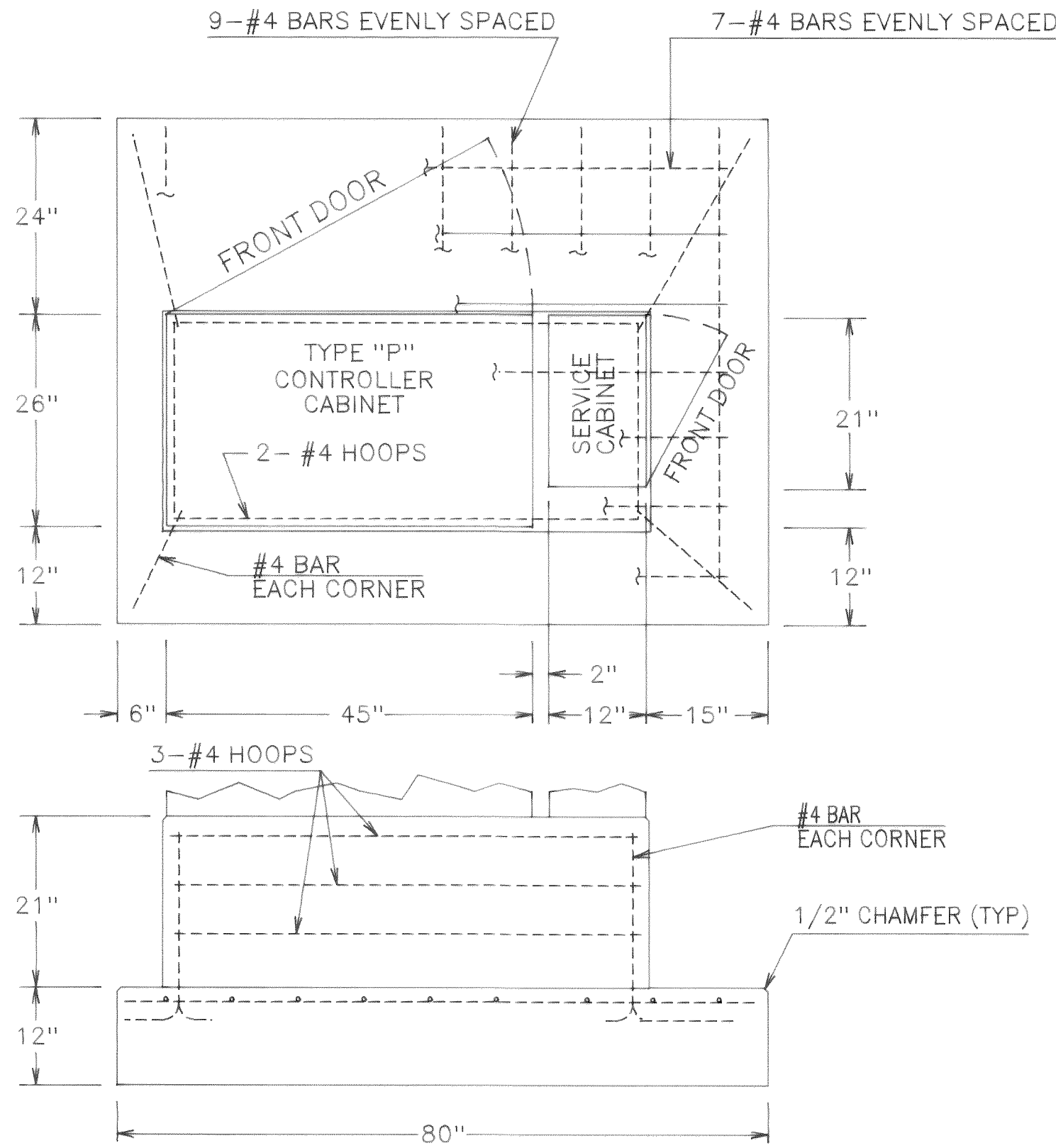
- 1 CONSTRUCT SIGNAL POLE FOUNDATION (SEE POLE DETAIL SHEET FOR LOCATION AND SIZE). INSTALL TYPE III SIGNAL POLE WITH 49 FT. MAST-ARM. INSTALL VEHICLE AND PEDESTRIAN SIGNAL DISPLAYS, 2 PEDESTRIAN PUSH-BUTTONS, 1 3M MODEL 711 OPTICAL DETECTOR, 1 250 WATT HPS LUMINAIRE WITH PEC, 1 TRAFFIC CONTROL SIGN, AND 1 STREET-NAME SIGN.
- 2 CONSTRUCT SIGNAL POLE FOUNDATION (SEE POLE DETAIL SHEET FOR LOCATION AND SIZE). INSTALL TYPE III SIGNAL POLE WITH 36 FT. MAST-ARM. INSTALL VEHICLE AND PEDESTRIAN SIGNAL DISPLAYS, 1 PEDESTRIAN PUSH-BUTTON, 1 3M MODEL 711 OPTICAL DETECTOR, 1 250 WATT HPS LUMINAIRE, 1 TRAFFIC CONTROL SIGN, AND 1 STREET-NAME SIGN.
- 3 CONSTRUCT FOUNDATION FOR TYPE "PS" PEDESTRIAN PEDESTAL (SEE POLE DETAIL SHEET FOR LOCATION AND SIZE). INSTALL TYPE "PS" PEDESTAL WITH 1 PEDESTRIAN SIGNAL HEAD AND 1 PEDESTRIAN PUSH-BUTTON.
- 4 CONSTRUCT SIGNAL POLE FOUNDATION (SEE POLE DETAIL SHEET FOR LOCATION AND SIZE). INSTALL TYPE III SIGNAL POLE WITH 45 FT. MAST-ARM. INSTALL VEHICLE AND PEDESTRIAN SIGNAL DISPLAYS, 1 PEDESTRIAN PUSH-BUTTON, 1 3M MODEL 711 OPTICAL DETECTOR, 1 250 WATT HPS LUMINAIRE, 1 TRAFFIC CONTROL SIGN, AND 1 STREET-NAME SIGN.
- 5 CONSTRUCT SIGNAL POLE FOUNDATION (SEE POLE DETAIL SHEET FOR LOCATION AND SIZE). INSTALL TYPE III SIGNAL POLE WITH 33 FT. MAST-ARM. INSTALL VEHICLE AND PEDESTRIAN SIGNAL DISPLAYS, 1 PEDESTRIAN PUSH-BUTTON, 1 3M MODEL 711 OPTICAL DETECTOR, 1 250 WATT HPS LUMINAIRE, 1 TRAFFIC CONTROL SIGN, AND 1 STREET-NAME SIGN.
- 6 CONSTRUCT FOUNDATION FOR TYPE "PS" PEDESTRIAN PEDESTAL (SEE POLE DETAIL SHEET FOR LOCATION AND SIZE). INSTALL TYPE "PS" PEDESTAL WITH 1 PEDESTRIAN SIGNAL HEAD AND 1 PEDESTRIAN PUSH-BUTTON.
- 7 CONSTRUCT COMBINATION FOUNDATION FOR TYPE "P" CONTROLLER CABINET AND SERVICE/ILLUMINATION CABINET (SEE DETAIL THIS SHEET). INSTALL CABINETS AND CONNECT FIELD AND SERVICE CONDUCTORS IN ACCORDANCE WITH THE WIRING DIAGRAM.
- 8 INSTALL TYPE 1 JUNCTION BOX (SEE STD. PLAN J-11a).
- 9 INSTALL TYPE 2 JUNCTION BOX (SEE STD. PLAN J-11a).
- 10 INSTALL TYPE 3 MODIFIED JUNCTION BOX (SEE DETAIL 6.02E IN SPECIFICATIONS).
- 11 CONSTRUCT 6 FT. DIA INDUCTION LOOP DETECTOR (SEE DETAIL IN SPECIFICATIONS). TYPICAL 30 PLACES.
- 12 PROVIDE SERVICE CONNECTION IN ACCORDANCE WITH PSE REQUIREMENTS.

SIGNAL POLES 1,2,4 & 5 FABRICATED WITH RECESSED TERMINAL COMPARTMENTS PER CITY OF BELLINGHAM STANDARD DRAWING TR-6 MOUNTED 4' ABOVE THE BOTTOM OF THE POLE AT THE ATTACHMENT ANGLE NOTED ON SHEET TS 4.

LOOP LOCATIONS

LOOP NUMBER	TYPE	SIZE	STATION	
			SLATER ROAD	RURAL AVENUE
11A	2	6' DIA.		40+06
11B	2	6' DIA.		39+92
11C	2	6' DIA.		39+78
21A	2	6' DIA.		41+50
21B	2	6' DIA.		41+64
22	2	6' DIA.		42+45
23A	2	6' DIA.		41+52
23B	2	6' DIA.		41+66
24	2	6' DIA.		41+80
31A	2	6' DIA.	11+13	
31B	2	6' DIA.	11+27	
31C	2	6' DIA.	11+41	
41A	2	6' DIA.	9+75	
41B	2	6' DIA.	9+61	
42	2	6' DIA.	8+50	
51A	2	6' DIA.		41+49
51B	2	6' DIA.		41+63
51C	2	6' DIA.		41+77
61A	2	6' DIA.		40+06
61B	2	6' DIA.		39+92
62	2	6' DIA.		39+11
71A	2	6' DIA.	9+75	
71B	2	6' DIA.	9+61	
71C	2	6' DIA.	9+47	
81A	2	6' DIA.	11+12	
81B	2	6' DIA.	11+26	
82	2	6' DIA.	12+51	
83A	2	6' DIA.	11+11	
83B	2	6' DIA.	11+25	
84	2	6' DIA.	11+39	

NOTES: LOOP DETECTOR STATIONING IS REFERENCED TO CENTER OF LOOP.
LOOPS SHALL BE CENTERED IN THEIR RESPECTIVE LANES.



CONTROLLER/SERVICE CABINET FOUNDATION DETAIL

WIRE NOTES

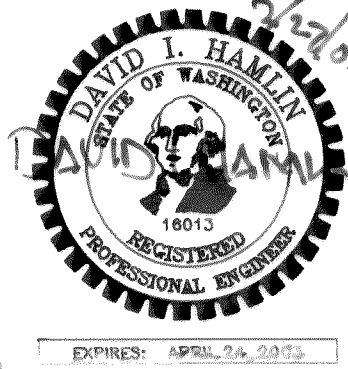
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1PRSH (DETECTOR LEAD-IN)												1		1				
2PRSH (DETECTOR LEAD-IN)												2		1				
3PRSH (DETECTOR LEAD-IN)												3		1				
3CSH (OPTICOM LEAD-IN)												3		1				
5G NO. 14 (MSA 20-1)												5		6				
20C NO. 14 (MSA 20-1)												2		2				
TWISTED PAIR NO. 14												2		2				
NO. 2 (SERVICE CONDUCTORS)												2		2				
NO. 6 (ILLUMINATION)												6		2				
NO. 8 (ILLUMINATION)												8		1				
NO. 8 W/ GREEN INSULATION (GROUND)												8		3				
CONDUIT SIZE (IN)												CONDUIT SIZE (IN)		CONDUIT SIZE (IN)				
CONDUIT MATERIAL												CONDUIT MATERIAL		CONDUIT MATERIAL				
CONDUIT FILL (SQ. IN.)												CONDUIT FILL (SQ. IN.)		CONDUIT FILL (SQ. IN.)				
ALLOW. CONDUIT FILL @ 26% (SQ. IN.)												ALLOW. CONDUIT FILL @ 26% (SQ. IN.)		ALLOW. CONDUIT FILL @ 26% (SQ. IN.)				
COMMENTS												COMMENTS		COMMENTS				
1												2"	PVC	0.40"	0.87"	SERVICE CONDUCTORS.	1	1
2												1"	PVC	0.16"	0.23"	POWER TO CONTROLLER CABINET.	2	1
3												2"	PVC	0.48"	0.87"	ILLUMINATION & PEC.	3	1
4												1-1/4"	PVC	0.24"	0.87"	ILLUMINATION & PEC.	4	1
5												1-1/4"	PVC	0.18"	0.39"	ILLUMINATION.	5	6
6												2"	PVC	-	1.92"	SPARE CONDUIT FOR FUTURE USE.	6	2
7	4	4	6									3"	PVC	1.78"	1.92"	LOOP LEAD-INS.	7	1
8				4								2"	PVC	0.28"	0.87"	OPTICOM LEAD-INS.	8	1
9					2							3"	PVC	0.94"	1.92"	SIGNAL CONDUCTORS.	9	3
10				1								1-1/4"	PVC	0.07"	0.39"	OPTICOM LEAD-IN.	10	4
11					1							2" 3"	PVC	0.50"	0.87"	SIGNAL CONDUCTORS.	11	4
12	2	2	3	2								3"	PVC	1.00"	1.92"	LOOP & OPTICOM LEAD-INS.	12	1
13	1	1	2	1								2"	PVC	0.59"	0.87"	LOOP & OPTICOM LEAD-INS.	13	1
14					1							1"	PVC	0.20"	0.23"	SIGNAL CONDUCTORS.	14	2
15				1	1							2" 3"	PVC	0.64"	0.89"	SIGNAL CONDUCTORS.	15	2
16	1											1-1/4"	PVC	0.09"	0.39"	LOOP LEAD-INS.	16	4
17	1	1	1									2"	PVC	0.37"	0.39"	LOOP LEAD-INS.	17	2
18	1	1	2									2"	PVC	0.52"	0.87"	LOOP LEAD-INS.	18	1
19						1						1"	PVC			CONDUIT SIZE PER STD. PLAN J-8a.	19	4
20						5						1-1/2"	PVC			CONDUIT SIZE PER STD. PLAN J-8a.	20	2
21						8						2"	PVC			CONDUIT SIZE PER STD. PLAN J-8a.	21	2

BREAKER SCHEDULE

MAIN BREAKER	BRANCH BREAKERS			
	CONTROL	RECEPT.	ILLUM. CIRCUIT A	CONTACTOR
100A 2P	15A 1P	20A 1P	30A 2P	30A

FILE NAME	RURSLNO
PLOT DATE	
DESIGN DATE	9/01
DESIGNED	D. HAMLIN
DRAWN	DesignCAD
CHECKED	

David I. Hamlin & Associates
1319 Dexter Avenue North Suite 270
Seattle, Washington 98109
(206) 285-9035

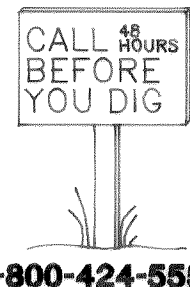


AGENCY APPROVAL	PROJECT TITLE
FOR	
BY	
DATE	
BY	
DATE	

RURAL AND SUNSET AVENUES
IMPROVEMENTS PROJECT

REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	7/20/01	RMH	RECORD DRAWING

SHEET TITLE		SHEET NO.
Signal Notes		
OF		SHEETS
14-11-13		CATEGORY

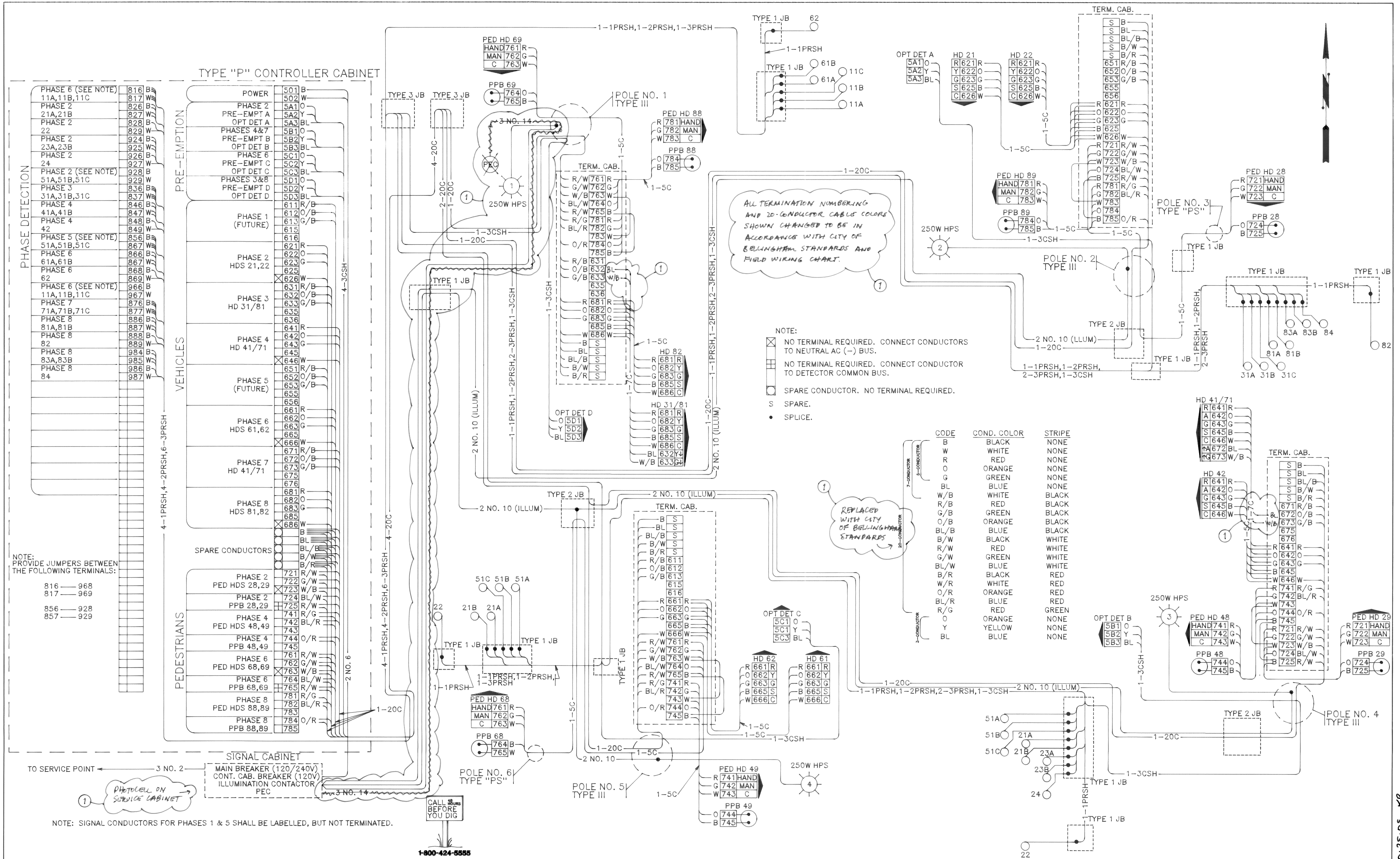


1-800-424-5555

TS-2

14-11-13 CATEGORY

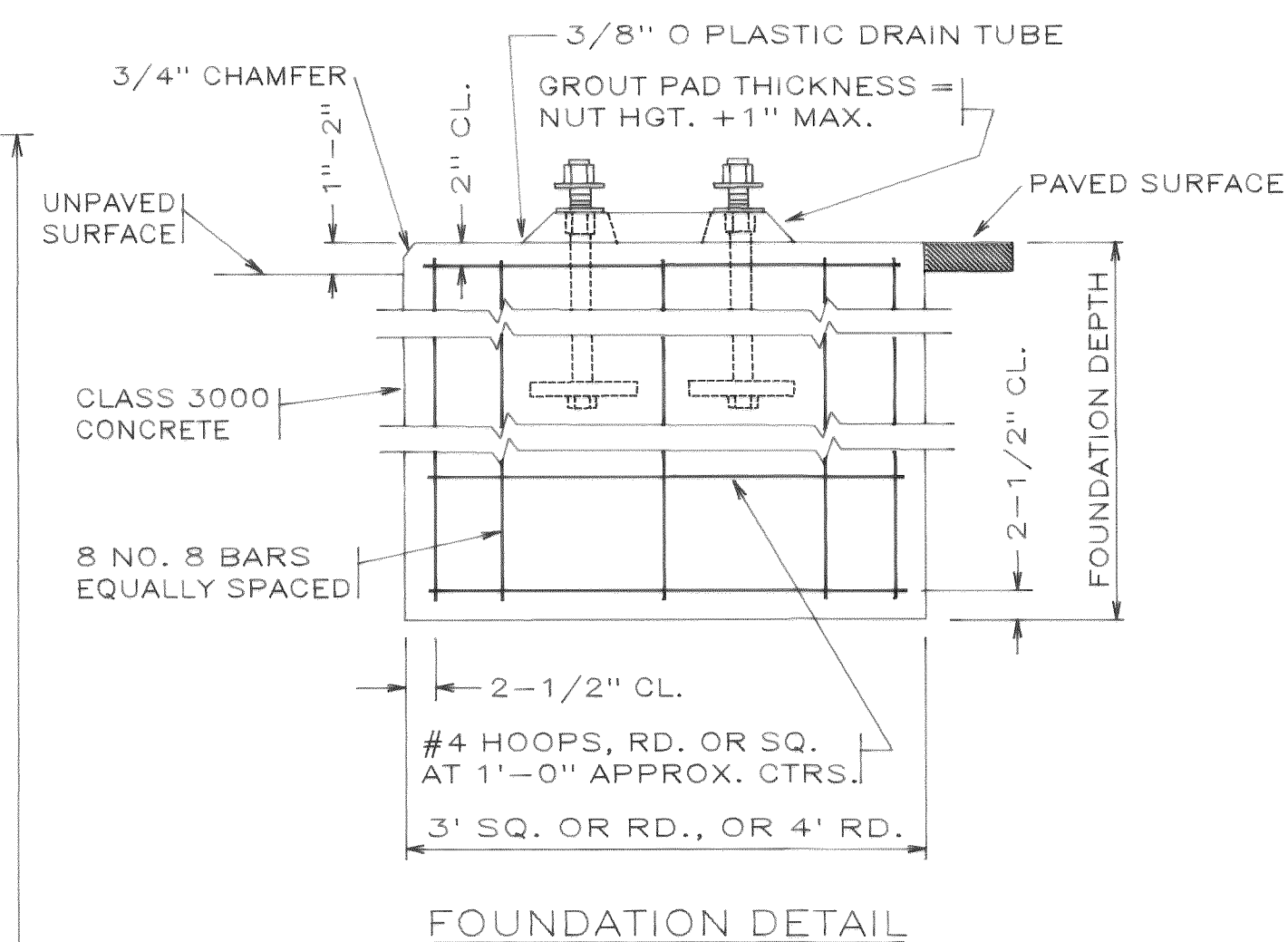
10-25-05 KZ





- ### LEGEND

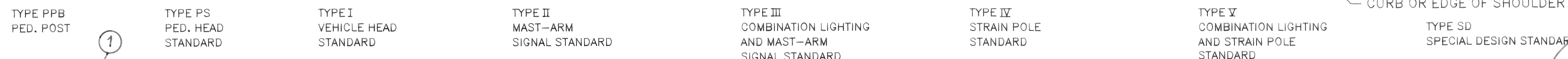
- a. Vehicle Signal Head
- b. Sign (non-illuminated)
- c. Street-Name Sign
- d. Pre-empt Detector
- e. Pre-empt Indicator
- f. Luminaire
- g. Pedestrian Signal Head
- h. Terminal Cabinet (RSC&SD)
- i. Pedestrian Push-button Assembly
- j. Handhole



FOUNDATION DETAIL

FOUNDATION DEPTH TABLE							
ALLOWABLE LATERAL BEARING PRESSURE (PSF)	FOUNDATION TYPE	XYZ (CUBIC FEET)					
		TYPE II, III, AND SD MAST—ARM STANDARD					
		600	900	1,200	1,500	1,900	2,300
1,000	3' ROUND	10'	10'	11'	11'	13'	15'
	3' SQUARE	8'	8'	9'	9'	10'	11'
	4' ROUND	8'	8'	9'	9'	10'	11'
1,500	3' ROUND	8'	8'	9'	11'	13'	15'
	3' SQUARE	7'	7'	8'	8'	9'	9'
	4' ROUND	7'	7'	7'	8'	8'	9'
2,500	3' ROUND	6'	6'	7'	11'	13'	15'
	3' SQUARE	6'	6'	6'	6'	7'	7'
	4' ROUND	6'	6'	6'	6'	7'	7'

THIS TABLE IS BASED ON A PHI VALUE OF 26 DEGREES. FOR DOUBLE MAST-ARM STANDARDS, USE THE LARGER XYZ VALUE FOR FOUNDATION DEPTH SELECTION.



SIGNAL STANDARD DETAIL SHEET

[illegible]

- (1) STATIONING ON SLATER ROAD.
- (2) FUTURE HEAD LOCATION. INSTALL WEATHERPROOF CAP.

FILE NAME	RURSLPD		AGENCY APPROVAL	PROJECT TITLE RURAL AND SUNSET AVENUES IMPROVEMENTS PROJECT	REVISIONS NO. DATE BY DESCRIPTION		SHEET TITLE Pole Details	SHEET NO.
PLOT DATE			FOR		① 7/28/03 RMH RECORD DRAWING	TS-4		
DESIGN DATE	9/01		BY					
DESIGNED	D. HAMLIN		DATE					
DRAWN	DesignCAD		BY					
CHECKED			DATE					
David I. Hamlin & Associates 1319 Dexter Avenue North Suite 270 Seattle, Washington 98109 (206) 285-9035						OF SHEETS		
						IN THIS CATEGORY		

00182.028	10.25.05	KR
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