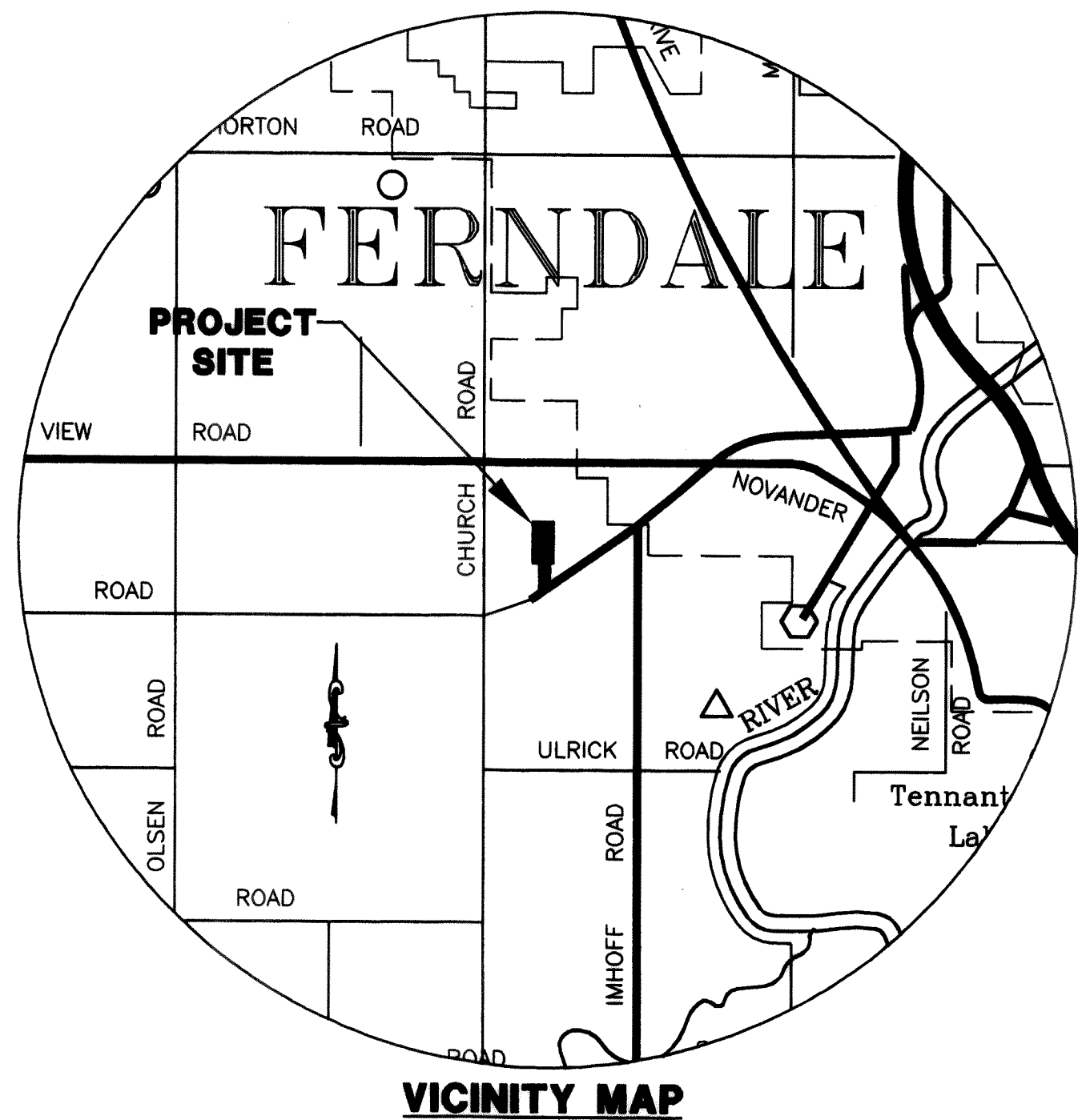
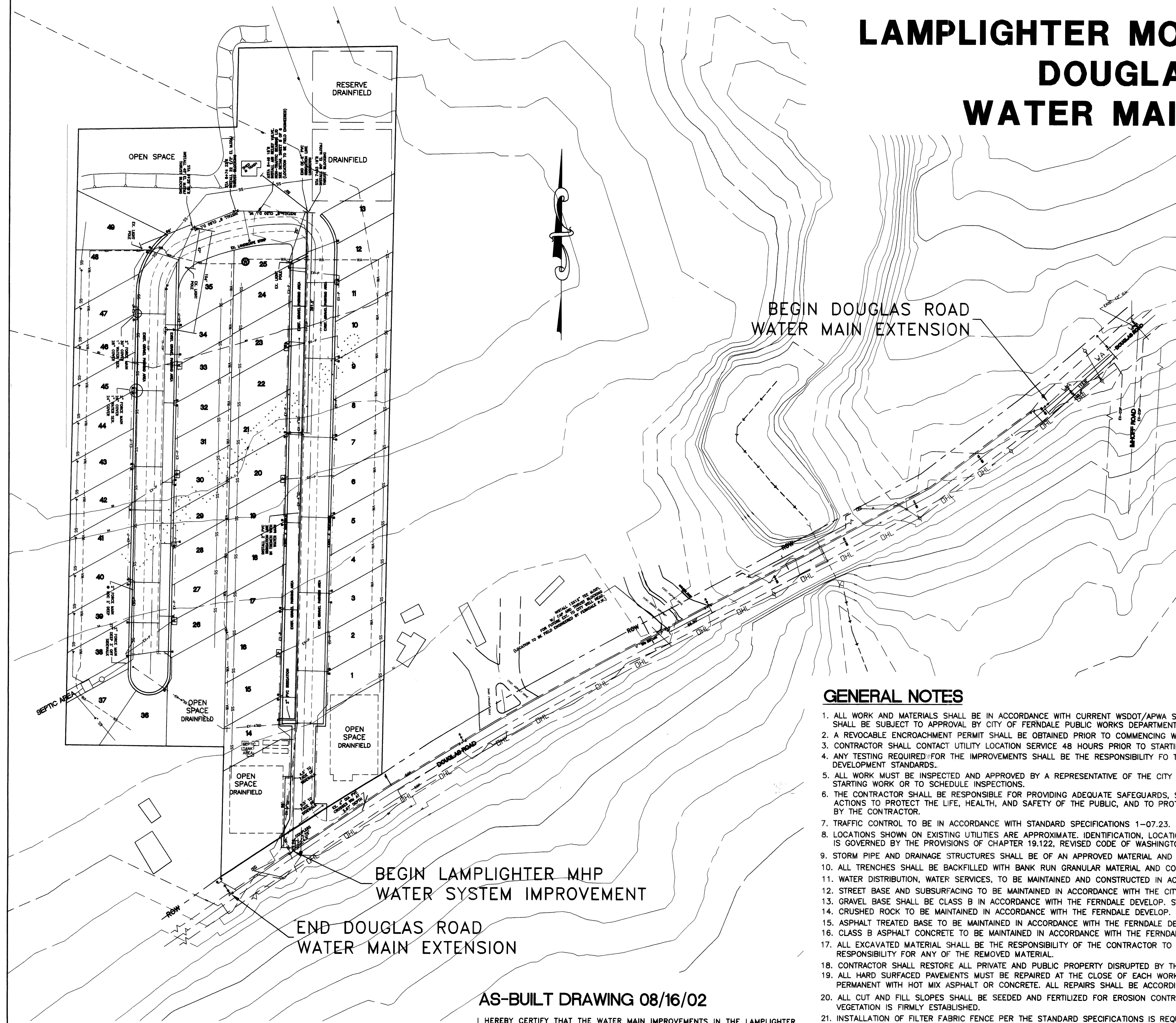


LAMPLIGHTER MOBILE HOME PARK- DOUGLAS ROAD WATER MAIN EXTENSION



GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT WSDOT/APWA STANDARD SPECIFICATIONS, CITY OF FERNDALE DEVELOPMENT STANDARDS, AND SHALL BE SUBJECT TO APPROVAL BY CITY OF FERNDALE PUBLIC WORKS DEPARTMENT, AND THE WASHINGTON STATE DEPARTMENT OF HEALTH.
2. A REVOCABLE ENCROACHMENT PERMIT SHALL BE OBTAINED PRIOR TO COMMENCING WORK IN THE RIGHT OF WAY.
3. CONTRACTOR SHALL CONTACT UTILITY LOCATION SERVICE 48 HOURS PRIOR TO STARTING CONSTRUCTION AT 1-800-424-5555
4. ANY TESTING REQUIRED FOR THE IMPROVEMENTS SHALL BE THE RESPONSIBILITY FO THE OWNER AND SHALL BE IN CONFORMANCE WITH THE CITY OF FERNDALE DEVELOPMENT STANDARDS.
5. ALL WORK MUST BE INSPECTED AND APPROVED BY A REPRESENTATIVE OF THE CITY OF FERNDALE PUBLIC WORKS, AND 24 HOURS MUST BE GIVEN PRIOR TO STARTING WORK OR TO SCHEDULE INSPECTIONS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACTOR.
7. TRAFFIC CONTROL TO BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS 1-07.23.
8. LOCATIONS SHOWN ON EXISTING UTILITIES ARE APPROXIMATE. IDENTIFICATION, LOCATION, MARKING, AND RESPONSIBILITY FOR UNDERGROUND FACILITIES OR UTILITIES IS GOVERNED BY THE PROVISIONS OF CHAPTER 19.122, REVISED CODE OF WASHINGTON. SEE SECTION 1-07.17 OF STANDARDS SPECIFICATIONS.
9. STORM PIPE AND DRAINAGE STRUCTURES SHALL BE OF AN APPROVED MATERIAL AND OF THE SIZE NOTED ON THE PLANS.
10. ALL TRENCHES SHALL BE BACKFILLED WITH BANK RUN GRANULAR MATERIAL AND COMPACTED TO 95% OF OPTIMUM DENSITY.
11. WATER DISTRIBUTION, WATER SERVICES, TO BE MAINTAINED AND CONSTRUCTED IN ACCORDANCE WITH THE CITY OF FERNDALE DEVEL. STANDARDS SECTIONS 702 AND 705.
12. STREET BASE AND SUBSURFACING TO BE MAINTAINED IN ACCORDANCE WITH THE CITY OF FERNDALE DEVELOPMENT STANDARDS SECTION 611.
13. GRAVEL BASE SHALL BE CLASS B IN ACCORDANCE WITH THE FERNDALE DEVELOP. STANDARDS SECTION 4-02.
14. CRUSHED ROCK TO BE MAINTAINED IN ACCORDANCE WITH THE FERNDALE DEVELOP. STANDARDS SECTION 4-04.
15. ASPHALT TREATED BASE TO BE MAINTAINED IN ACCORDANCE WITH THE FERNDALE DEVELOP. STANDARDS SECTION 4-06.
16. CLASS B ASPHALT CONCRETE TO BE MAINTAINED IN ACCORDANCE WITH THE FERNDALE DEVELOP. STANDARDS SECTION 5-04.
17. ALL EXCAVATED MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DISPOSE OF IN THE PROPER MANNER. THE CITY OF FERNDALE TAKES NO RESPONSIBILITY FOR ANY OF THE REMOVED MATERIAL.
18. CONTRACTOR SHALL RESTORE ALL PRIVATE AND PUBLIC PROPERTY DISRUPTED BY THE PROJECT IMMEDIATELY AFTER CONSTRUCTION.
19. ALL HARD SURFACED PAVEMENTS MUST BE REPAIRED AT THE CLOSE OF EACH WORK DAY. THE REPAIRS CAN BE TEMPORARY WITH ASPHALT COLD MIX OR PERMANENT WITH HOT MIX ASPHALT OR CONCRETE. ALL REPAIRS SHALL BE ACCORDING TO THE CITY OF FERNDALE SPECIFICATION R-11 AND W-11.
20. 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.
21. INSTALLATION OF FILTER FABRIC FENCE PER THE STANDARD SPECIFICATIONS IS REQUIRED WHEREVER RUNOFF AND EROSION CAN OCCUR OR AS DIRECTED BY THE ENGINEER.
22. UPON COMPLETION OF THE PROJECT A CERTIFIED MYLAR AS-BUILT PRINT AND DIGITAL AUTOCAD DRAWINGS SHALL BE PROVIDED TO THE CITY.
23. UPON COMPLETION OF THE PROJECT, A BLANKET EASEMENT FOR MAINTENANCE OF THE WATER MAIN IMPROVEMENTS WITHIN THE LAMPLIGHTER MOBILE HOME PARK SHALL BE SUBMITTED BY THE ENGINEER TO THE CITY OF FERNDALE, AND RECORDED WITH THE COUNTY AUDITORS OFFICE.
24. A COPY OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.

AS-BUILT DRAWING 08/16/02

I HEREBY CERTIFY THAT THE WATER MAIN IMPROVEMENTS IN THE LAMPLIGHTER MOBILE HOME PARK AND IN THE DOUGLAS ROAD HAVE BEEN INSPECTED BY ASSOCIATED PROJECT CONSULTANTS 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. Digital CAD Drawing submitted on 11/4/02
Submitted to City on 11/4/02 Paper & Mylar Drawings submitted on 12/26/02

REVISION:	DRAWN BY:	DATE:	CHECKED BY:	DATE:
1 REVISED PER CITY OF FERNDALE COMMENTS, RECEIVED JAN. 17, 2001	CAB	01/23/01		
2 ADD. DBL. SVC. ON 12"; REV. SGL/DBL SVC. LOC.; MOVE 8" @ TURN	LSH	07/26/01		
3 AS-BUILT CHANGES	BDS	08/16/02		
4				

CLIENT: LAMPLIGHTER MOBILE HOME PARK		HORIZONTAL SCALE: 1"=60'	
PROJECT: WATER SYSTEM IMPROVEMENTS		VERTICAL SCALE: 1"=60'	
TITLE: OVERALL PLAN		DATE: 1/23/01	
		NORTH ROTATION: & BASE POINT: 0.0	

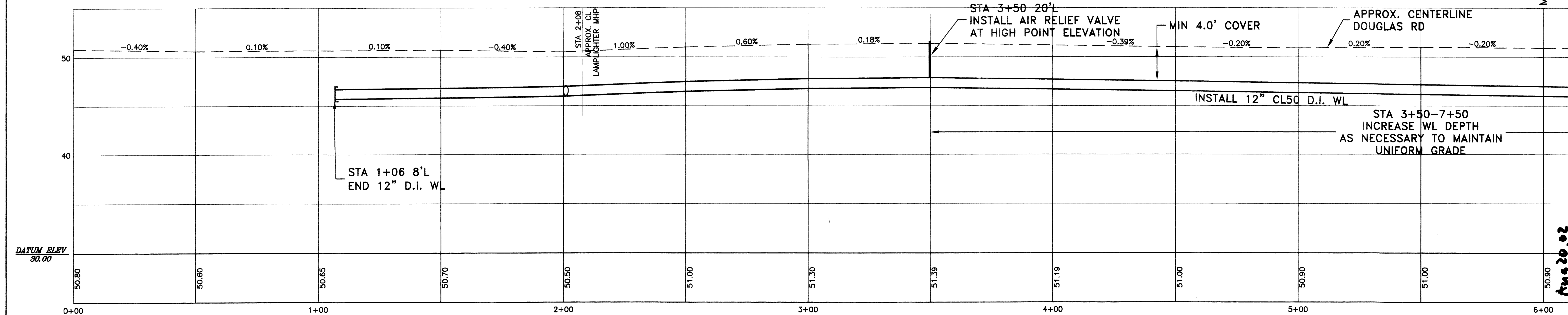
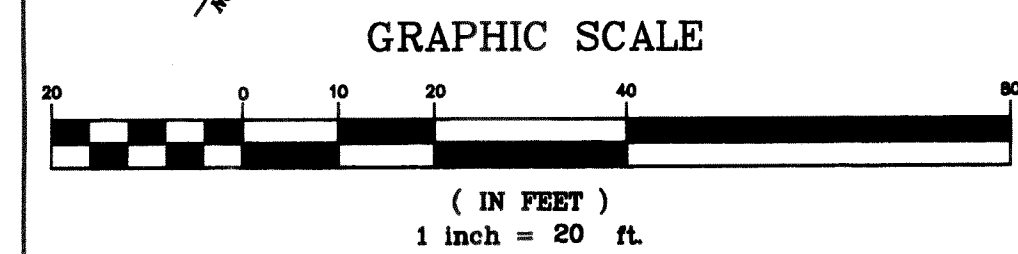
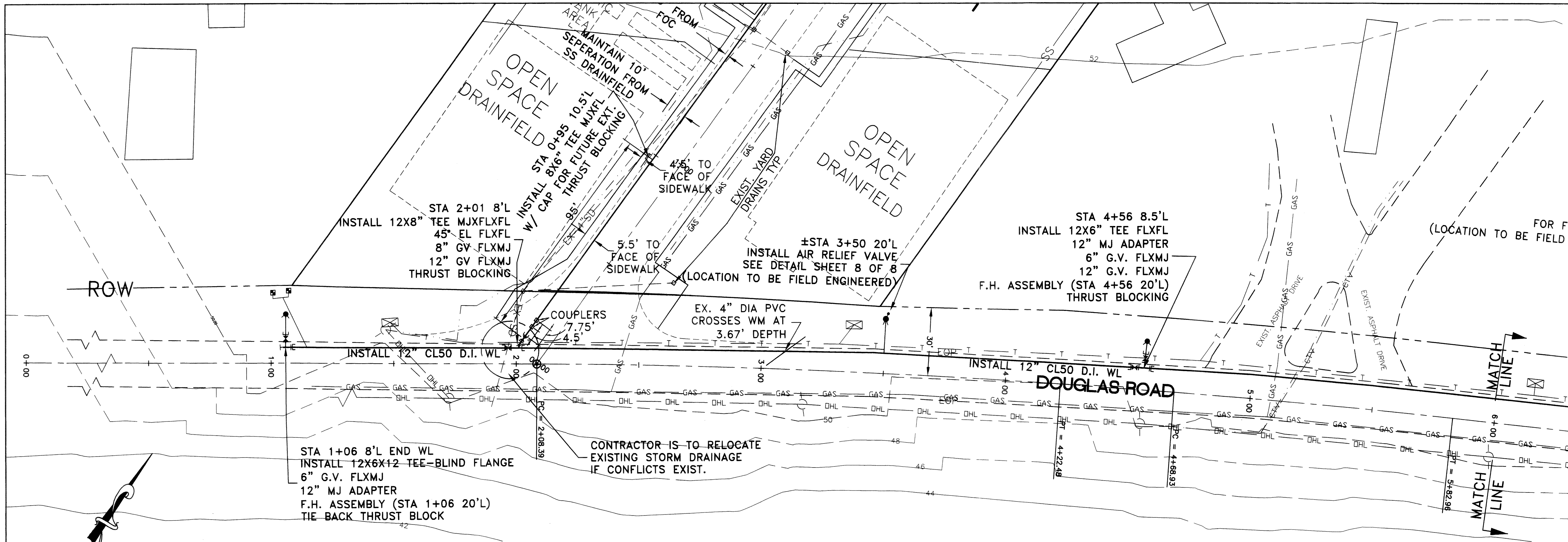
ASSOCIATED PROJECT CONSULTANTS, INC., P.S.
CIVIL ENGINEERS, PROJECT AND LAND USE MANAGEMENT,
BUILDING, STRUCTURAL, AND ENVIRONMENTAL SERVICES
1401 ASTOR STREET, BELLINGHAM, WA 98225
PHONE (360) 671-1146 FAX (360) 671-1169

A.P.C.
INCORPORATED

Aug 26 02
SEAL
STATE OF WASHINGTON
DOUGLAS
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 10/19/03

JOB NO: 99-144	1	8
ACAD FILE: 99-144WA1C		
SHEET:		
OF:		

000916.001 2:3:00 K12



REVISION:	DRAWN BY:	DATE:	CHECKED BY:	DATE:
1 ADDED AS-BUILT INFORMATION FOR WATER MAIN EXT.	CAB	9/26/00		
2 REVISED PER CITY OF FERDALE COMMENTS, RECEIVED JAN. 17, 2001	CAB	1/23/01		
3 SEE SHEET 1	LSH	07/26/01		
4 AS-BUILT CHANGES	BDS	08/16/02		

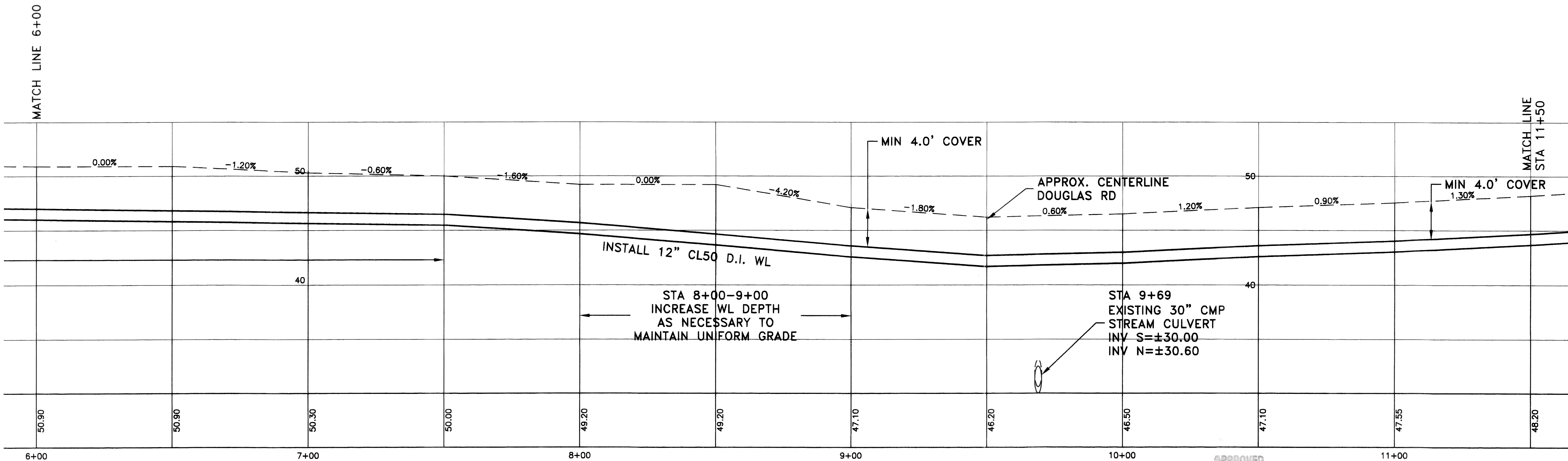
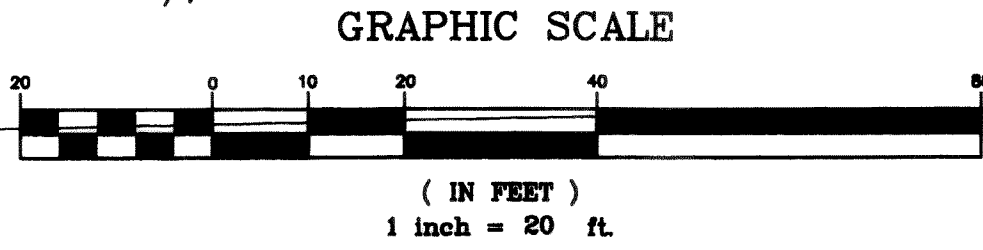
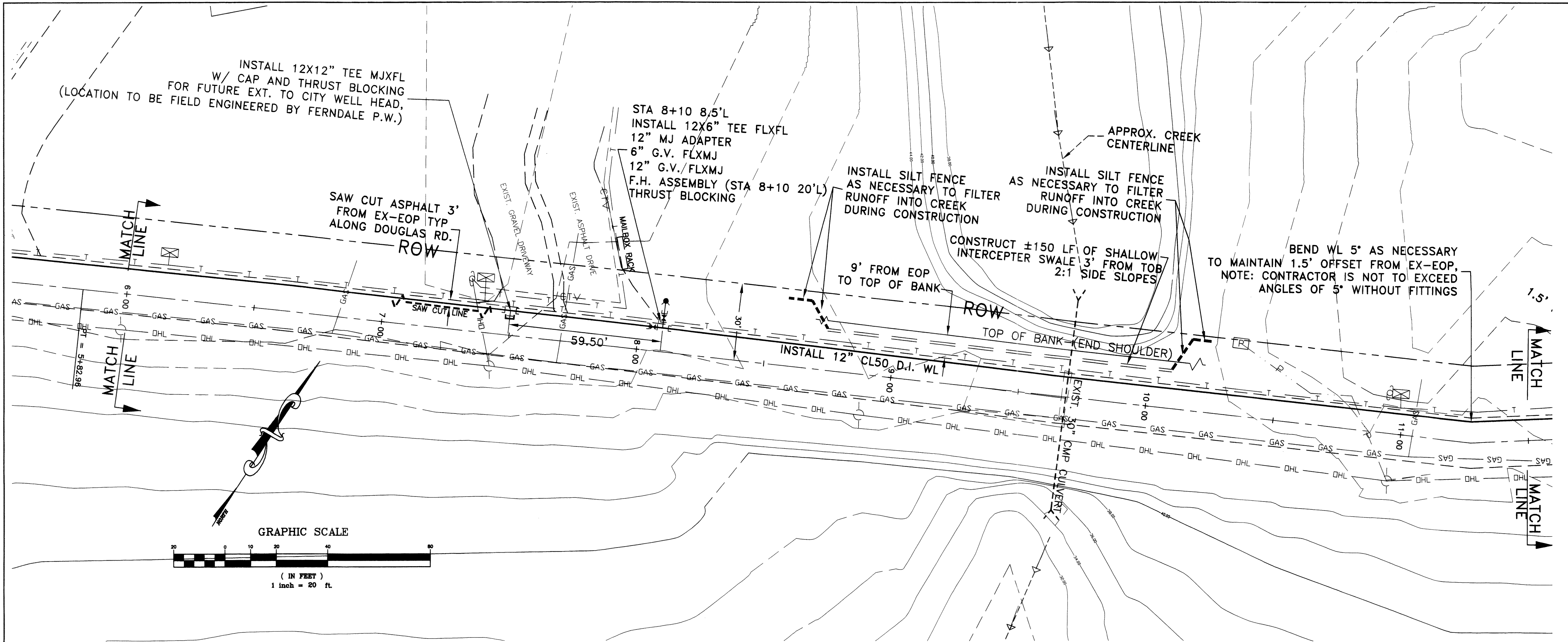
Submitted to City of Ferndale 12/26/02

APPROVED
JEC 3.1.2002
BY: *[Signature]*
CITY OF FERDALE

AS-BUILT DRAWING 08/16/02

HORIZONTAL SCALE: 1"=20' VERTICAL SCALE: 1"=5' DATE: 01/23/01 NORTH ROTATION: 0.0		CLIENT: LAMPLIGHTER MOBILE HOME PARK PROJECT: WATER SYSTEM IMPROVEMENTS TITLE: WATER MAIN EXTENSION-DOUGLAS ROAD
ASSOCIATED PROJECT CONSULTANTS, INC., P.S. CIVIL ENGINEERS, PROJECT AND LAND USE MANAGEMENT, BUILDING, STRUCTURAL, AND ENVIRONMENTAL SERVICES 1401 ASTOR STREET, BELLINGHAM, WA 98225 PHONE (360) 671-1146 FAX (360) 671-1169		
JOB NO.: 99-144 ACAD FILE: 99-144WA1C SHEET: 2 OF: 8	AUG 20 2002 	

00046.002 2-3-06 KL



REVISION:	DRAWN BY:	DATE:	CHECKED BY:	DATE:
1 ADDED AS-BUILT INFORMATION FOR WATER MAIN EXT.	CAB	9/26/00		
2 REVISED PER CITY OF FERDALE COMMENTS, RECEIVED JAN. 17, 2001	CAB	1/23/01		
3 SEE SHEET 1	LSH	07/26/01		
4 AS-BUILT CHANGES	BDS	08/16/02		

Submitted to City Nov 4, 2002 12/26/02

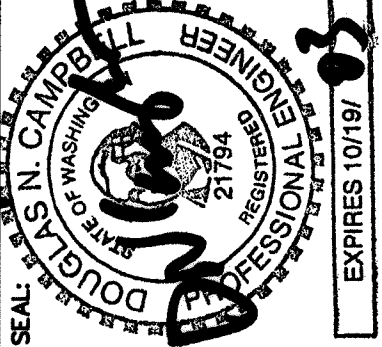
APPROVED

EC 31 2002
BY *[Signature]*
CITY OF FERDALE

AS-BUILT DRAWING 08/16/02

HORIZONTAL SCALE: 1"=20' VERTICAL SCALE: 1"=5' DATE: 01/23/01 NORTH ROTATION: & BASE POINT: 0.0		CLIENT: LAMPLIGHTER MOBILE HOME PARK
PROJECT: WATER SYSTEM IMPROVEMENTS		TITLE: WATER MAIN EXTENSION-DOUGLAS ROAD
ASSOCIATED PROJECT CONSULTANTS, INC., P.S. CML ENGINEERS, PROJECT AND LAND USE MANAGEMENT, BUILDING, STRUCTURAL, AND ENVIRONMENTAL SERVICES 1401 ASTOR STREET, BELLINGHAM, WA. 98225 PHONE (360) 671-1146 FAX (360) 671-1169		
A.P.C. INCORPORATED		
JOB NO.: 99-144 ACAD FILE: 99-144WA1C	SHEET: 3	OF: 8

Aug 20, 02



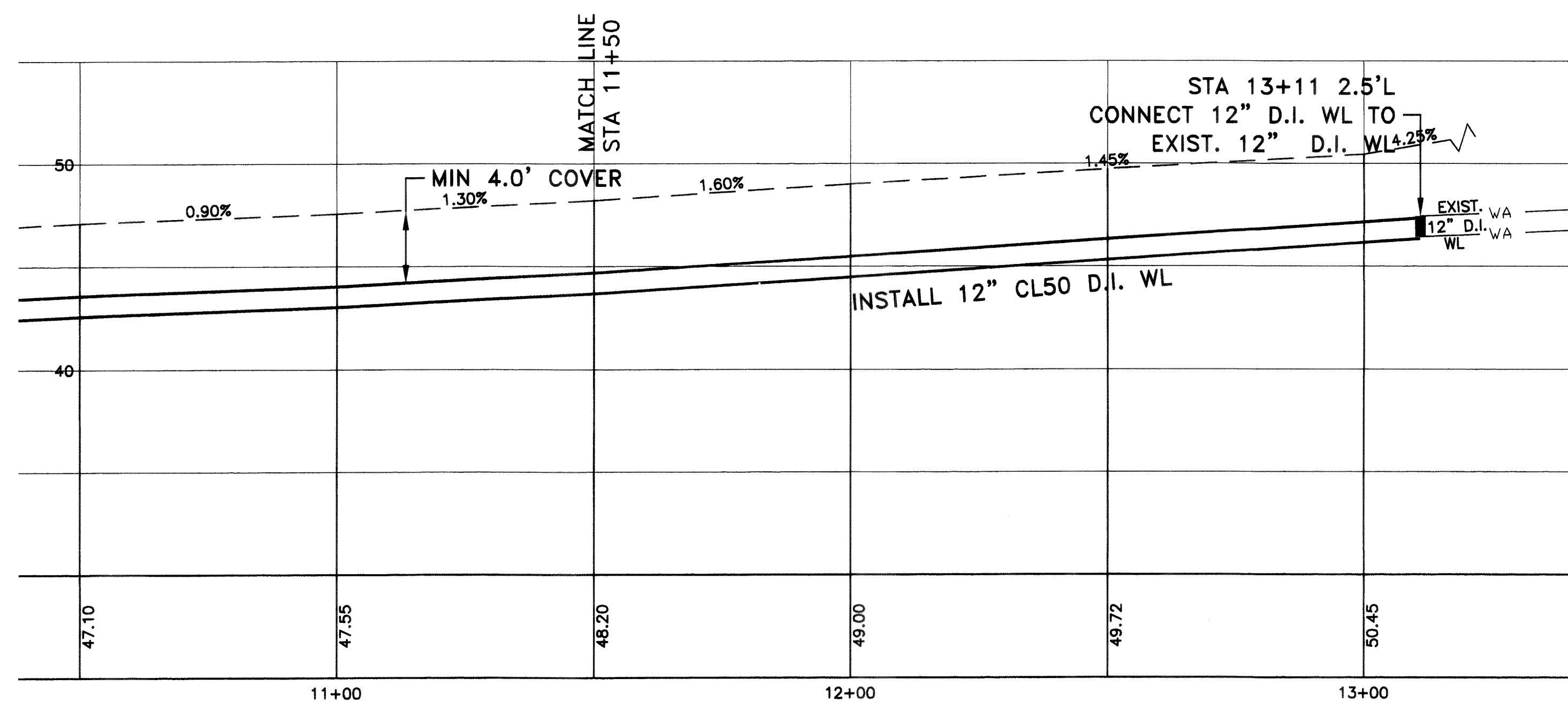
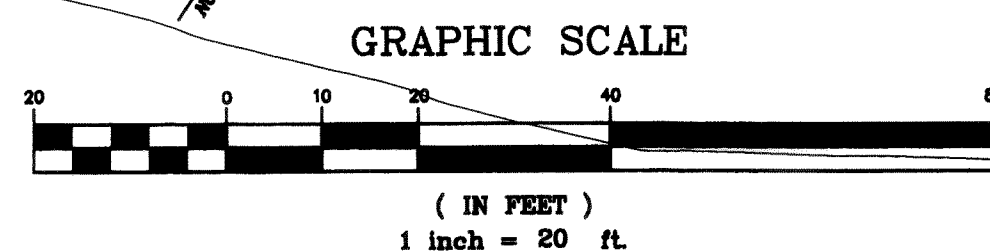
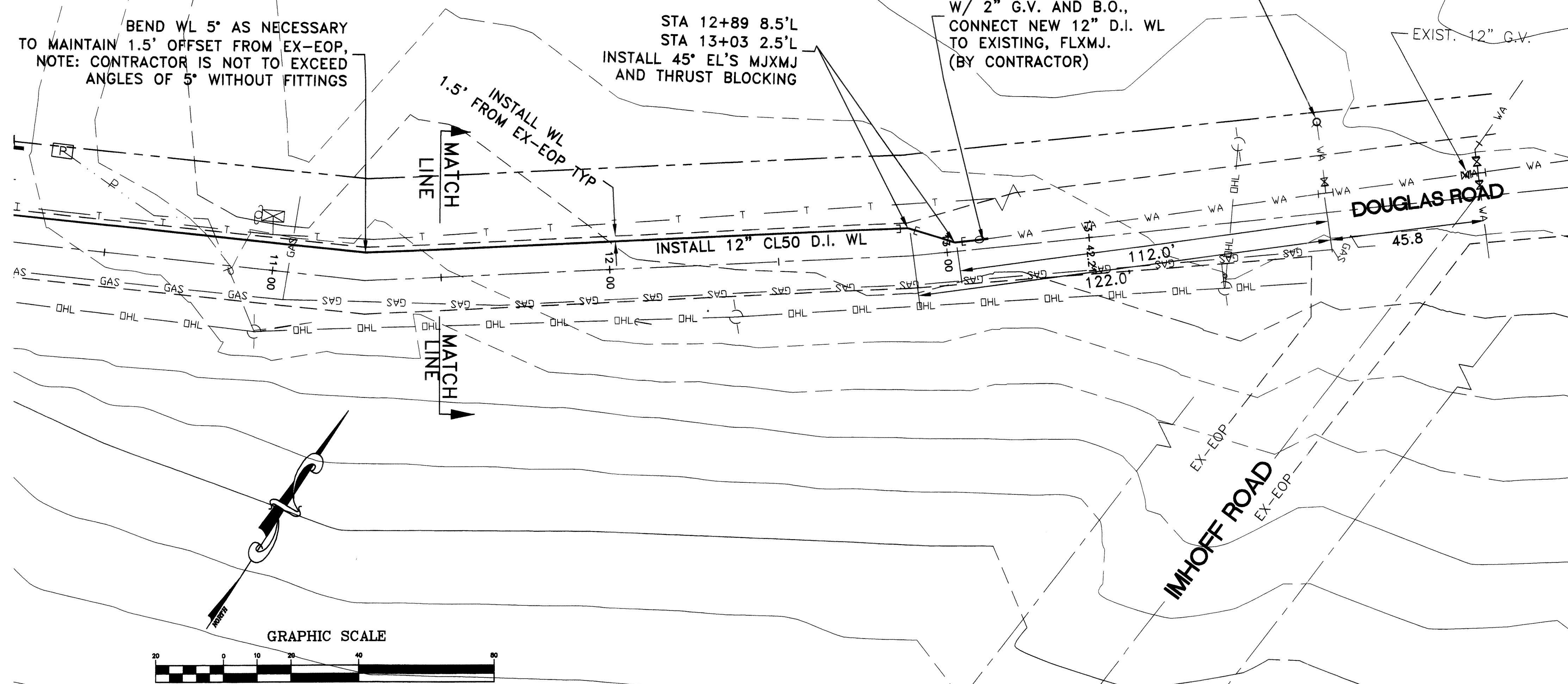
000 916 003 2 3 00 KR

BEND WL 5° AS NECESSARY
TO MAINTAIN 1.5' OFFSET FROM EX-EOP.
NOTE: CONTRACTOR IS NOT TO EXCEED
ANGLES OF 5° WITHOUT FITTINGS

STA 12+89 8.5'L
STA 13+03 2.5'L
INSTALL 45° EL'S MJXMJ
AND THRUST BLOCKING

STA 13+11 2.5'L
EXISTING 12" WL
W/ 2" G.V. AND B.O.,
CONNECT NEW 12" D.I. WL
TO EXISTING, FLXMJ.
(BY CONTRACTOR)

NOTE: FINAL CONNECTION TO THE
EXIST. 12" WA MAIN WILL REQUIRE
CLOSURE OF THE 12" G.V. AT INT.
OF DOUGLAS AND IMHOFF ROAD.
CONTRACTOR IS TO NOTIFY
FIRE DIST. 7 PRIOR TO SHUT DOWN
OF EXIST. HYDRANT FOR WATER MAIN
HOOK-UP.



REVISION:	DRAWN BY:	DATE:	CHECKED BY:	DATE:
1 ADDED AS-BUILT INFORMATION FOR WATER MAIN EXT.	CAB	9/26/00		
2 REVISED PER CITY OF FERNDALE COMMENTS, RECEIVED JAN. 17, 2001	CAB	1/23/01		
3 SEE SHEET 1	LSH	07/26/01		
4 AS-BUILT CHANGES	BDS	08/16/02		

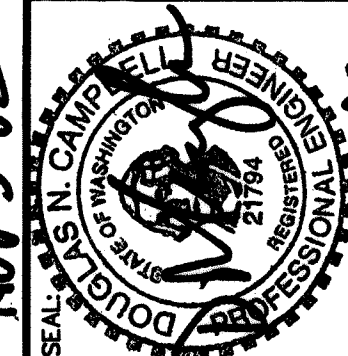
Submitted to City Nov. 4, 2002 → 12/26/02

APPROVED
JEC 31 2002
BY: *[Signature]*
CITY OF FERNDALE

AS-BUILT DRAWING 08/16/02

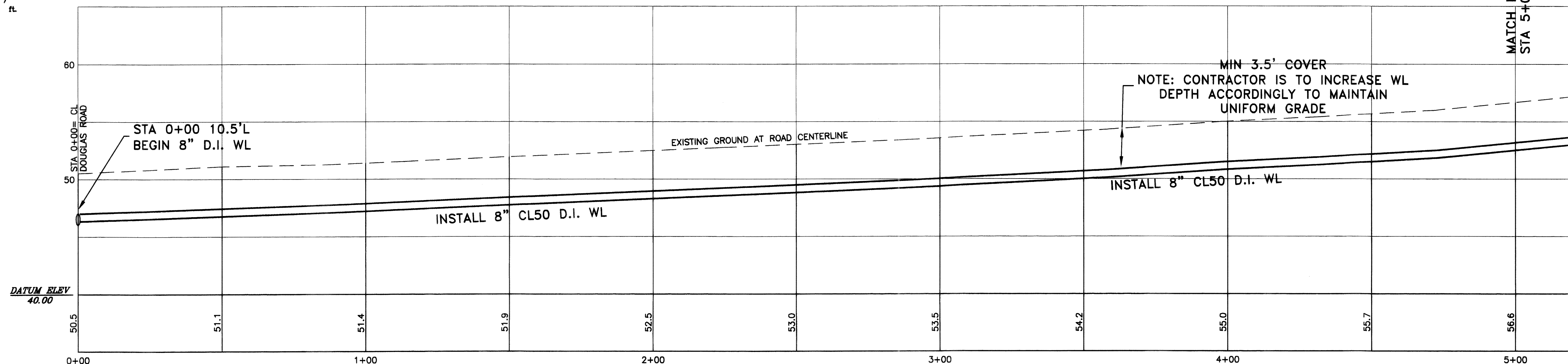
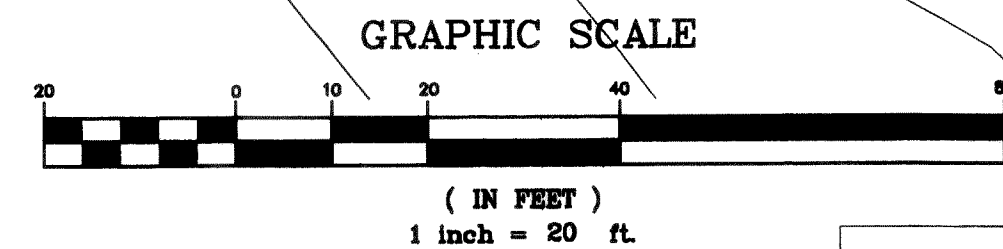
JOB NO: 99-144 ACAD FILE: 99-144WA1C	CLIENT: LAMPLIGHTER MOBILE HOME PARK		ASSOCIATED PROJECT CONSULTANTS, INC., P.S. CIVIL ENGINEERS, PROJECT AND LAND USE MANAGEMENT, BUILDING, STRUCTURAL, AND ENVIRONMENTAL SERVICES 1401 ASTOR STREET, BELLINGHAM, WA 98225 PHONE (360) 671-1146 FAX (360) 671-1169	HORIZONTAL SCALE: 1"=20' VERTICAL SCALE: 1"=5' DATE: 01/23/01 NORTH ARROW: BASE POINT: 0.0
	PROJECT: WATER SYSTEM IMPROVEMENTS			
	TITLE: WATER MAIN EXTENSION-DOUGLAS ROAD			

NOV 3 '02



A.P.C.
INCORPORATED





REVISION:	DRAWN BY:	DATE:	CHECKED BY:	DATE:
1 ADDED AS-BUILT INFORMATION FOR WATER MAIN EXT.	CAB	9/26/00		
2 REVISED PER CITY OF FERNDALE COMMENTS, RECEIVED JAN. 17, 2001	CAB	1/23/01		
3 SEE SHEET 1	LSH	07/26/01		
4 AS-BUILT CHANGES	BDS	08/16/02		

APPROVED
DEC 31 2002
BY *Sam Byrne*
CITY OF FERNDALE

AS-BUILT DRAWING 08/16/02

Nov 3 02

SEAL: DOUGLAS N. CAMPBELL
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER
21794

JOB NO.:	99-144
ACAD FILE:	99-144WA1C
SHEET:	5
OF:	6

ASSOCIATED PROJECT CONSULTANTS, INC., P.S.
CIVIL ENGINEERS, PROJECT AND LAND USE MANAGEMENT,
BUILDING, STRUCTURAL, AND ENVIRONMENTAL SERVICES
1401 ASTOR STREET, BELLINGHAM, WA. 98225
PHONE (360) 671-1146 FAX (360) 671-1169

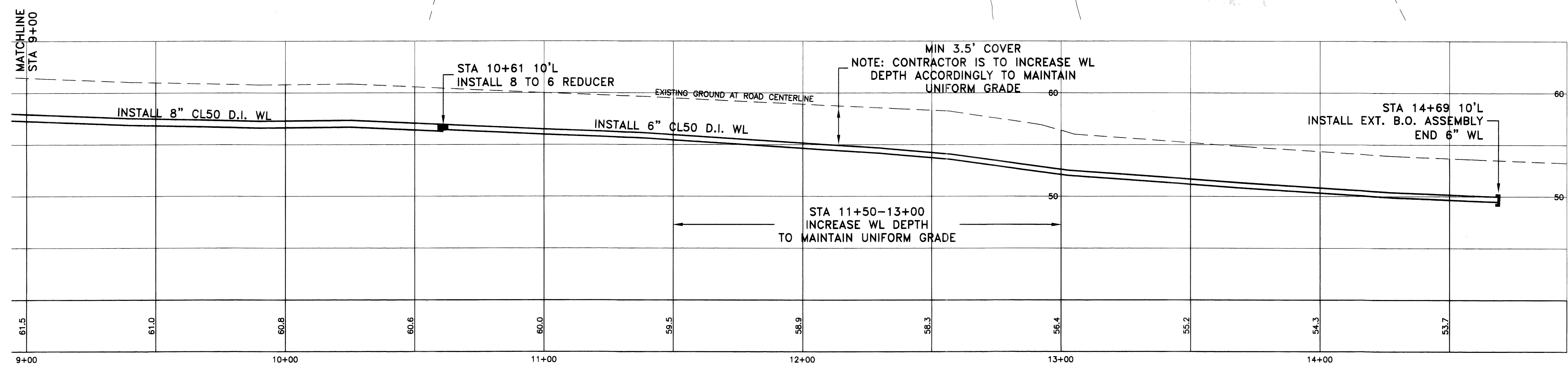
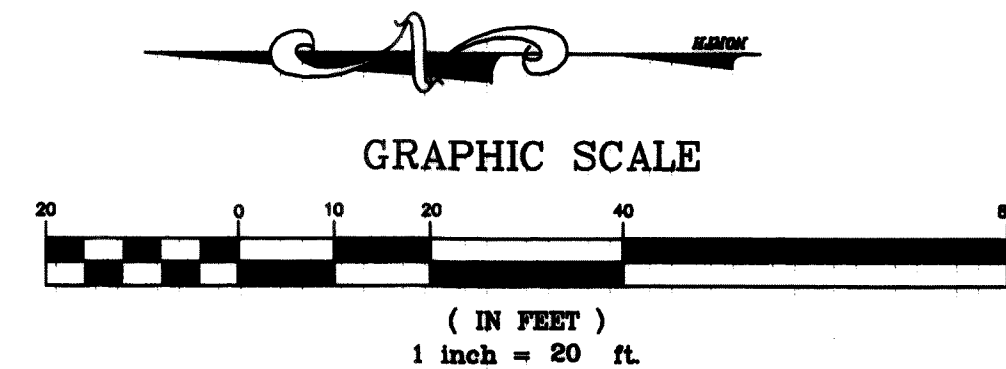
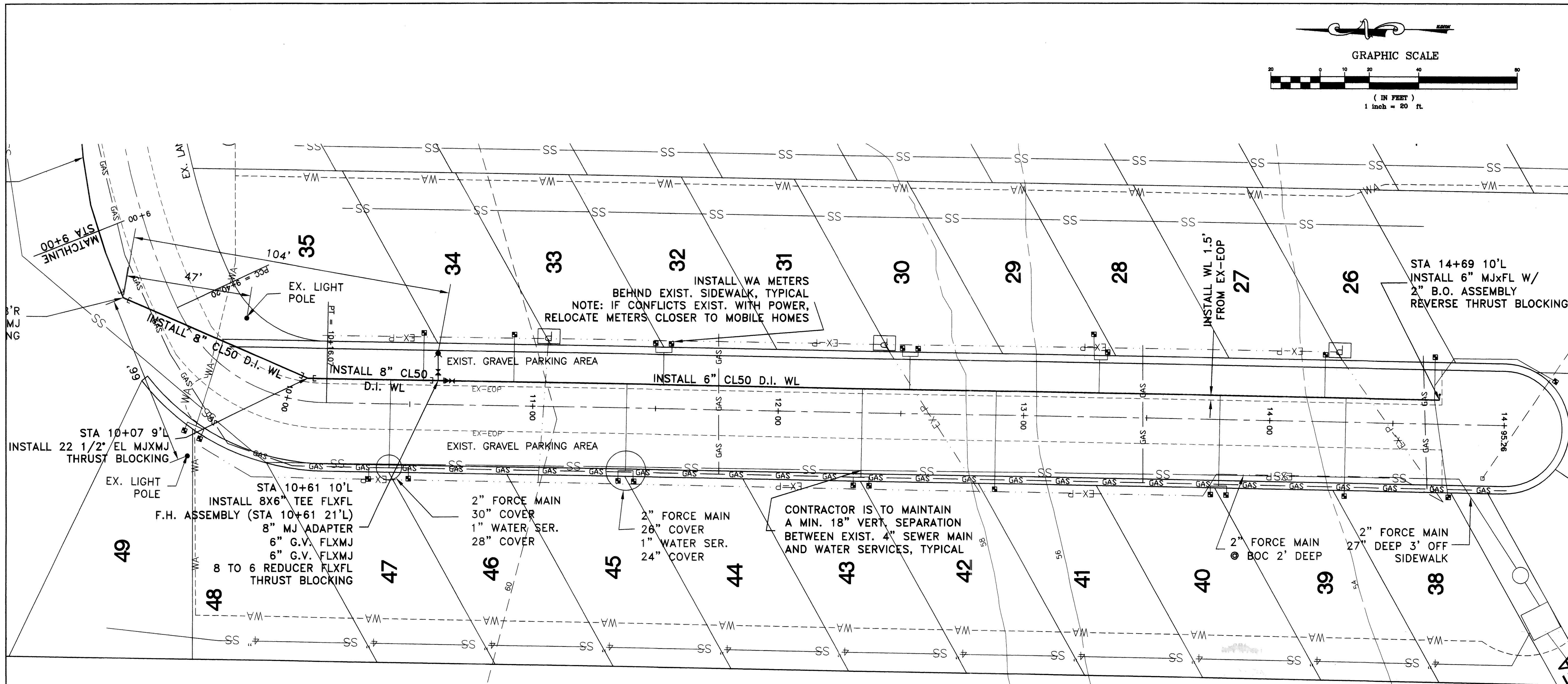
CLIENT: **LAMPLIGHTER MOBILE HOME PARK**

PROJECT: **WATER SYSTEM IMPROVEMENTS**

TITLE: **WATER MAIN EXTENSION-LAMPLIGHTER**

HORIZONTAL SCALE:	1" = 20'
VERTICAL SCALE:	DRAWN BY: 1" = 5' CAB
DATE:	APPROVED BY: 01/23/01
NORTH ROTATION: & BASE POINT:	0.0

00096.005 2.3.06 KR



REVISION:	DRAWN BY:	DATE:	CHECKED BY:	DATE:
1 ADDED AS-BUILT INFORMATION FOR WATER MAIN EXT.	CAB	9/26/00		
2 REVISED PER CITY OF FERNDALE COMMENTS, RECEIVED JAN. 17, 2001	CAB	1/23/01		
3 SEE SHEET 1	LSH	07/26/01		
4 AS-BUILT CHANGES	BDS	08/16/02		

SUBMITTED TO CITY NOV. 4, 2002 12/26/02

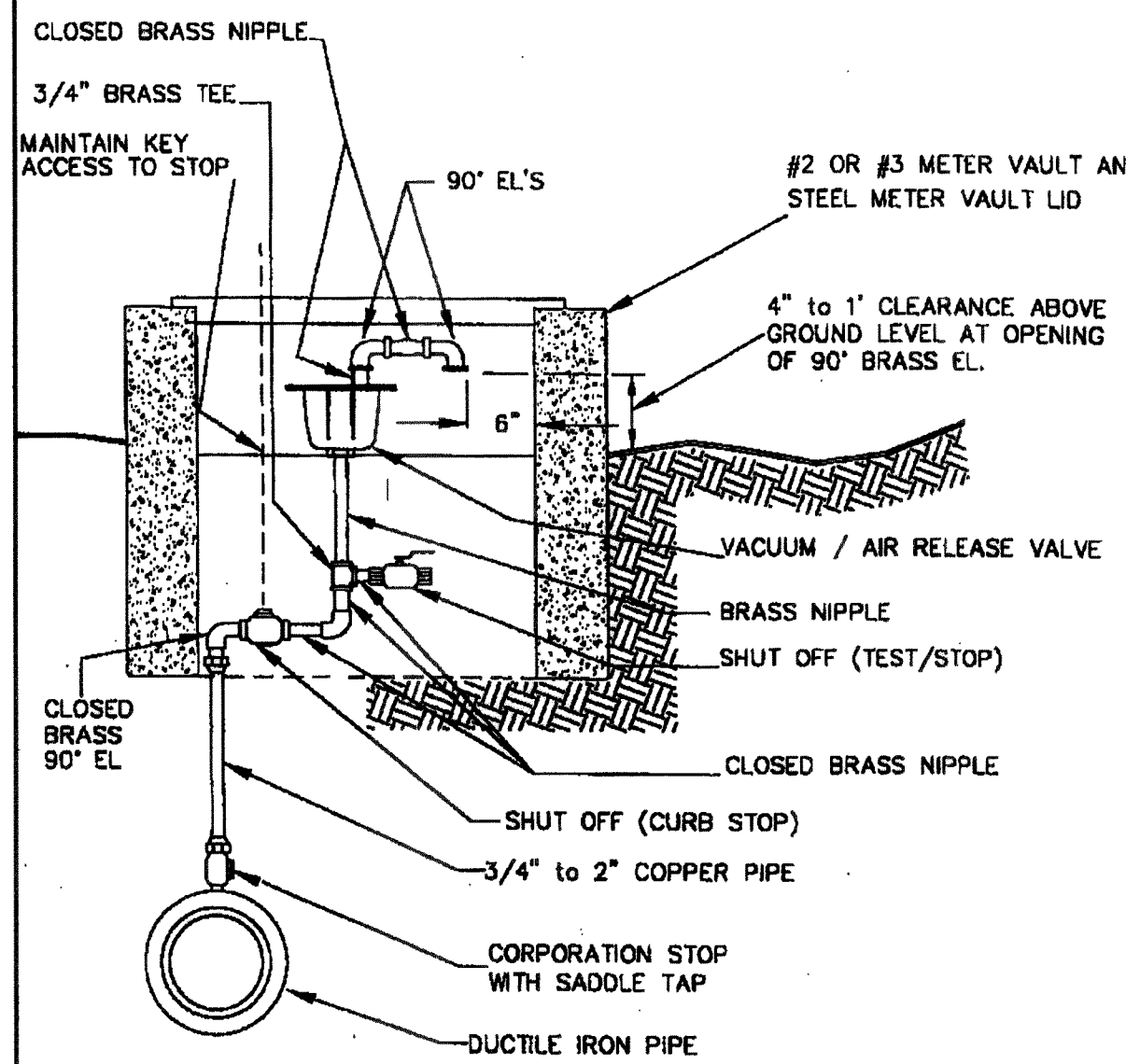
APPROVED

 CITY OF FERNDALE

AS-BUILT DRAWING 08/16/02

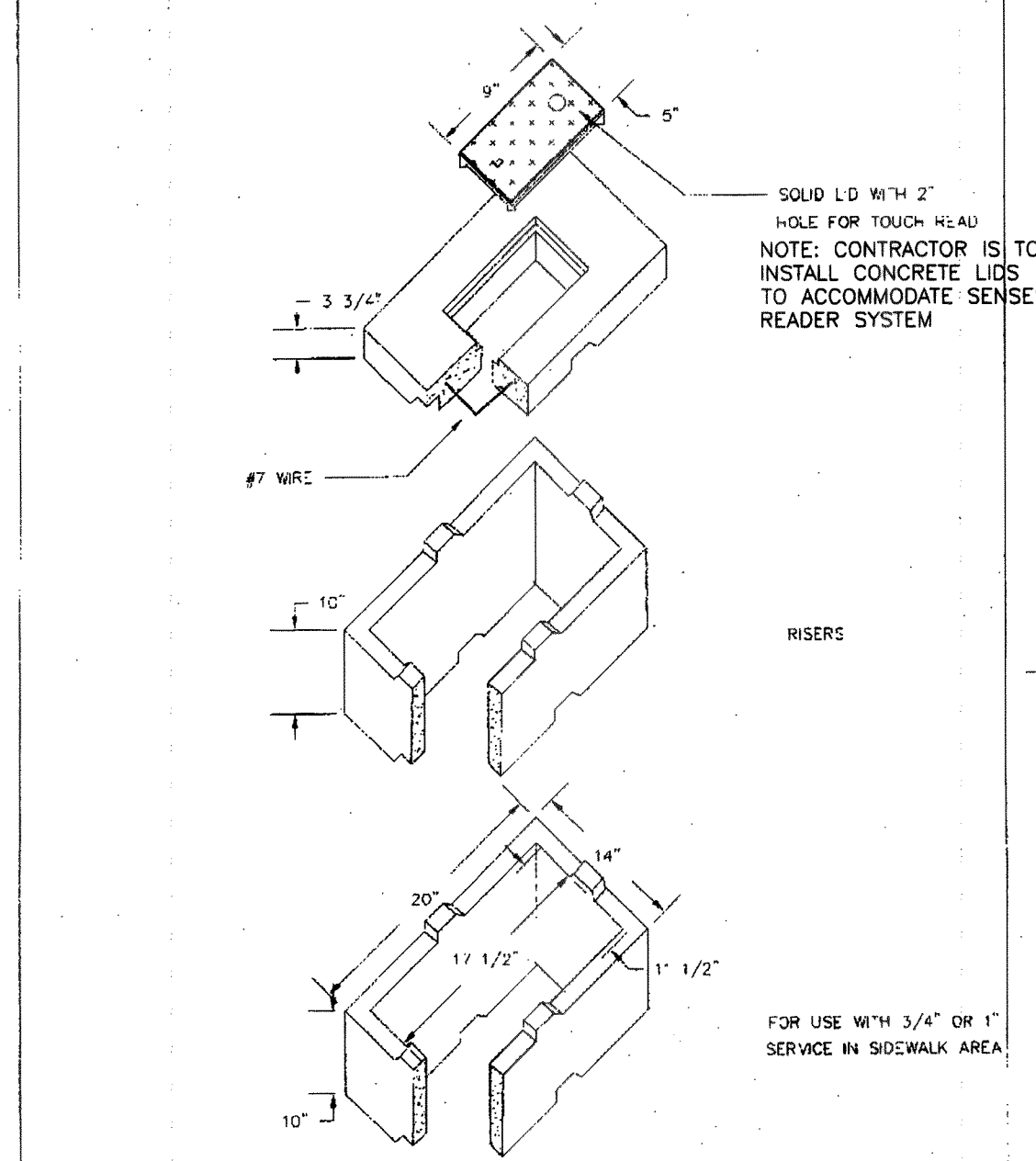
CLIENT: ASSOCIATED PROJECT CONSULTANTS, INC., P.S. CIVIL ENGINEERS, PROJECT AND LAND USE MANAGEMENT, BUILDING, STRUCTURAL, AND ENVIRONMENTAL SERVICES 1401 ASTOR STREET, BELLINGHAM, WA 98225 PHONE (360) 671-1146 FAX (360) 671-1169		PROJECT: LAMPLIGHTER MOBILE HOME PARK TITLE: WATER MAIN EXTENSION-LAMPLIGHTER MHP	
HORIZONTAL SCALE: 1"=20' VERTICAL SCALE: 1"=5' DATE: 01/23/01 NORTH ROTATION: 0.0		DRAWN BY: CAB APPROVED BY: CAB NORTH ROTATION: 0.0	
JOB NO.: 99-144 ACAD FILE: 99-144WA1C SHEET: 7 OF: 8		EXPIRES 10/18/03 INCORPORATED	

00046.007 2.3.06 R2



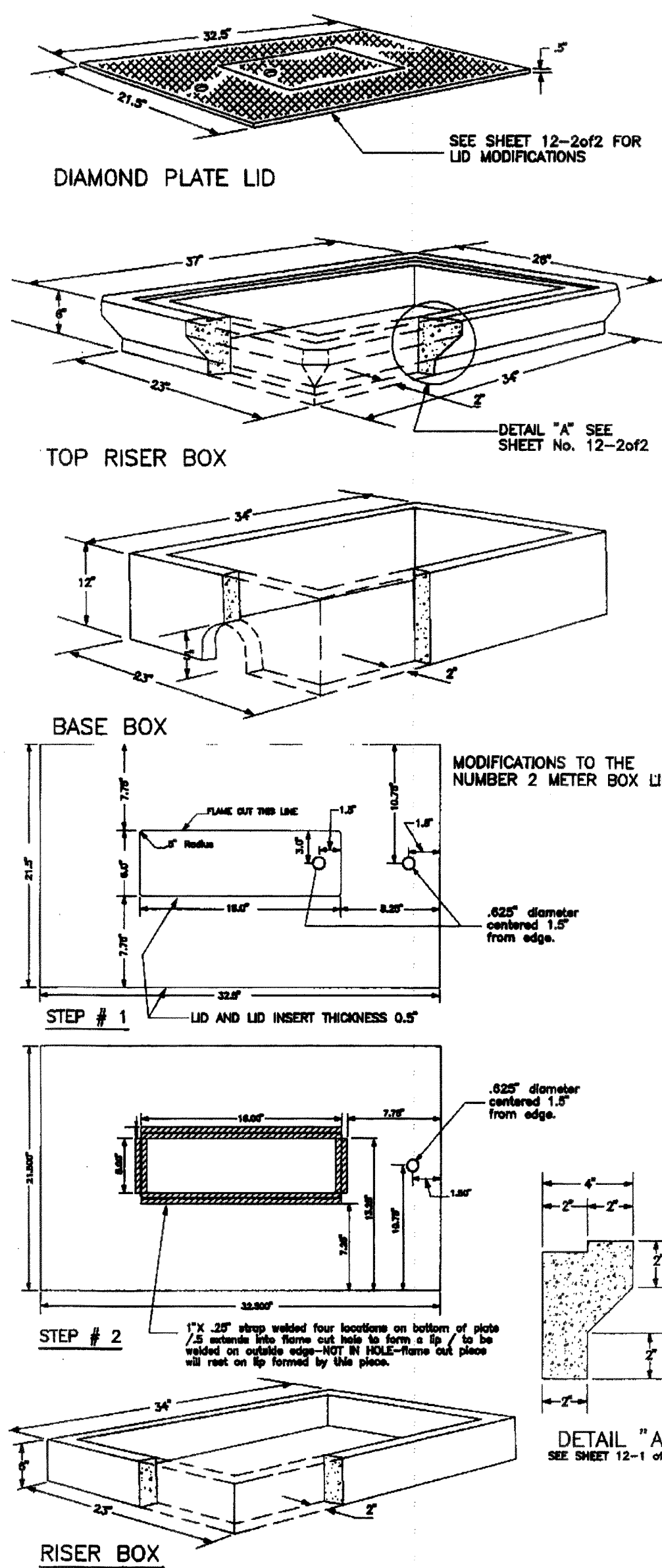
- NOTES:
1. MAINTAIN CONSTANT RISE IN PIPING.
 2. COMBINATION AIR VALVE WITHIN THE MOBILE HOME PARK SHOULD BE "VALMATIC" 201C, 1" DIA LARGE ORIFICE WITH 5/64" AIR RELEASE ORIFICE DIA OR EQUIVALENT. COMBINATION AIR VALVE ON DOUGLAS ROAD SHOULD BE "VALMATIC" 202C, 2" DIA LARGE ORIFICE WITH 3/32" AIR RELEASE ORIFICE DIA OR EQUIVALENT.

VACUUM/AIR RELEASE VALVE DETAIL

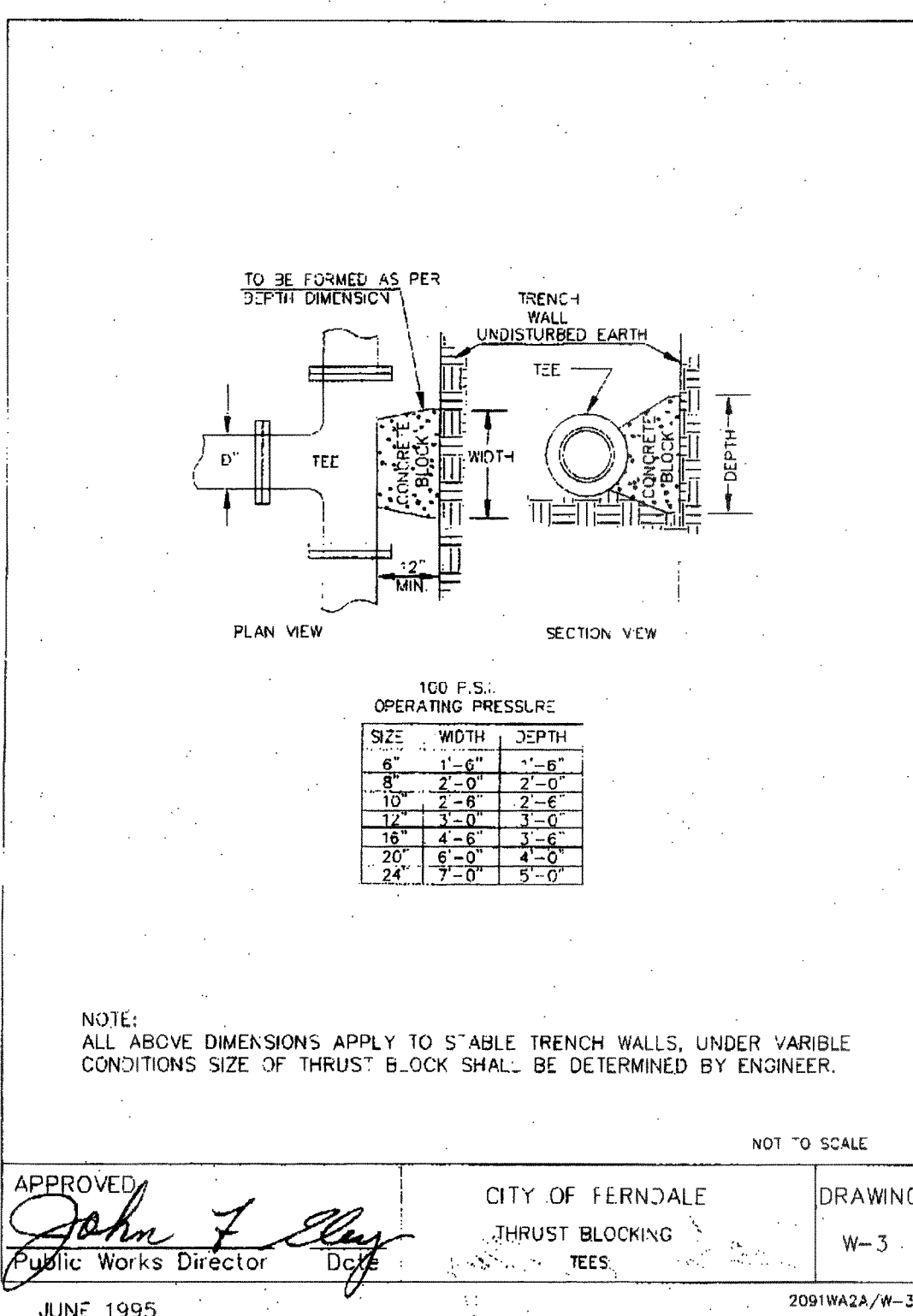


APPROVED: *John F. Elzy*
Public Works Director
CITY OF FERNDALE
NO. 1 METER BOX
FOG TITE
DRAWING: W-6
JUNE 1995

TYPICAL METER BOX DETAIL

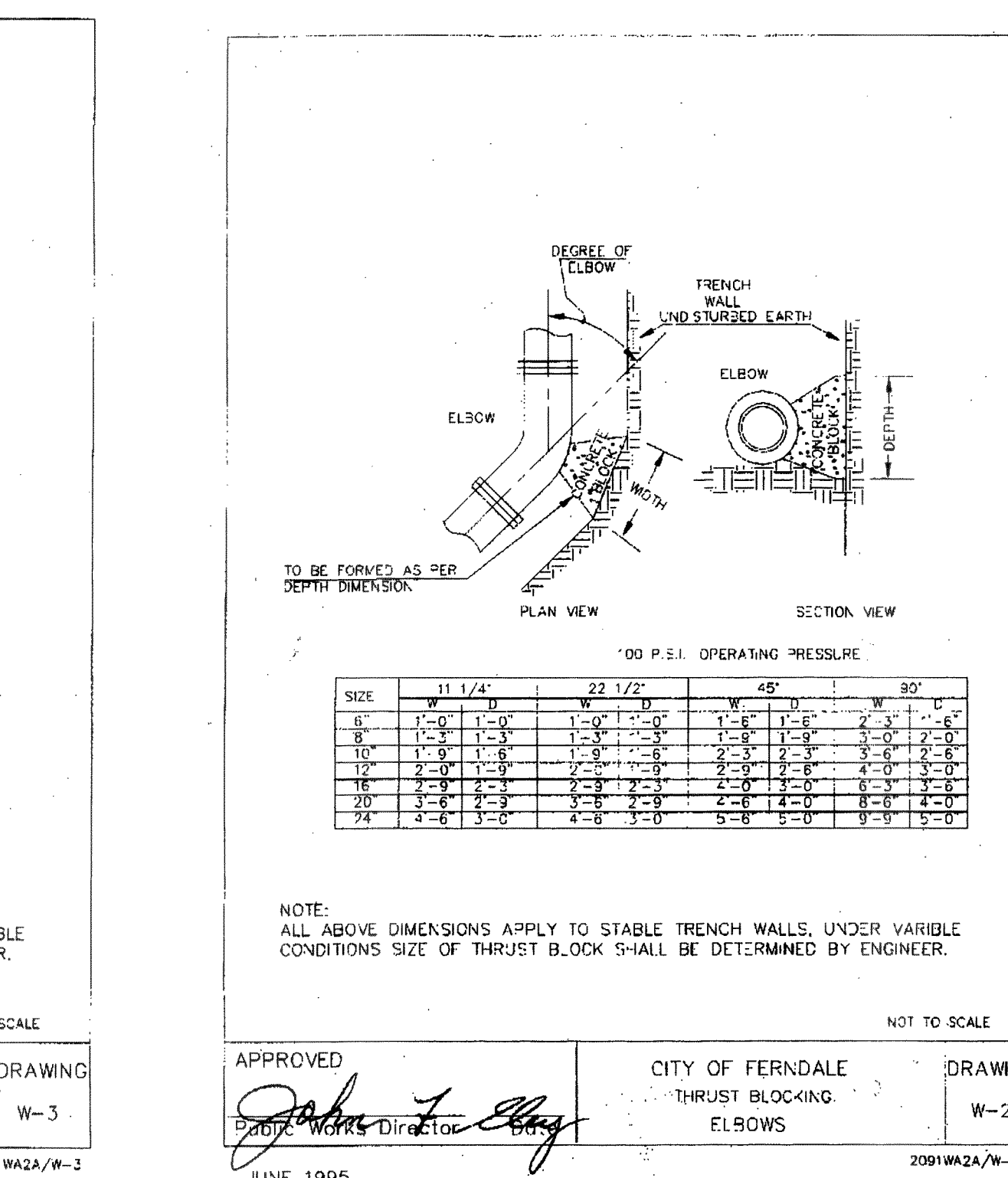


METER VAULT DETAIL (USE WITH COMBO AIR/VAC RELEASE ASSEMBLIES)

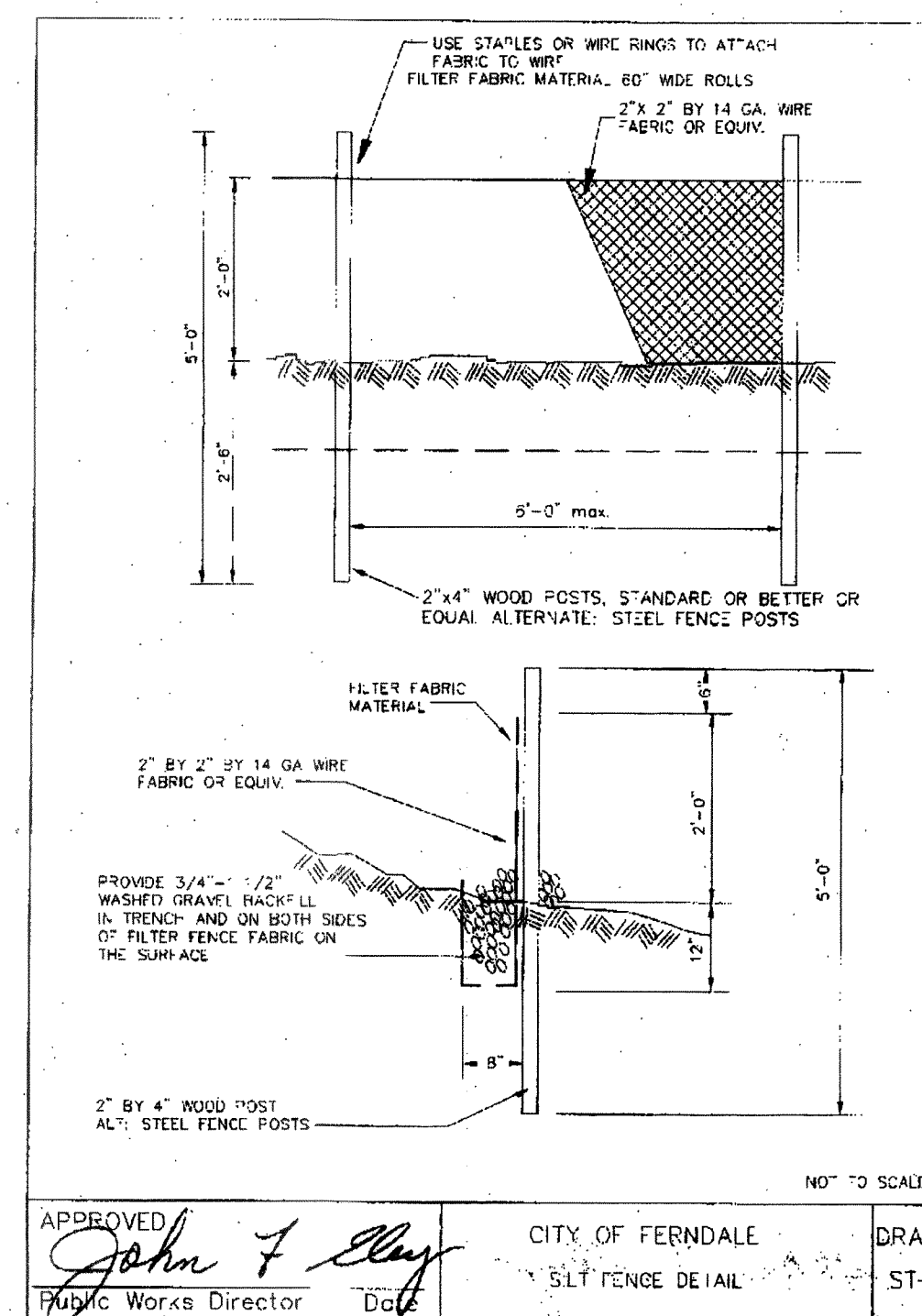


NOTE: ALL WATER METERS ARE TO BE INSTALLED BY THE CITY OF FERNDALE PUBLIC WORKS DEPARTMENT, AND PAID FOR BY OWNER.

TYPICAL DOUGLAS ROAD SECTION



EXISTING ROADWAY RESTORATION REPAIR (FERNDAL STND R-11)



AS-BUILT DRAWING 08/16/02

REVISION:	DRAWN BY:	DATE:	CHECKED BY:	DATE:
1 REVISED PER CITY OF FERNDALE COMMENTS, RECEIVED JAN. 17, 2001	CAB	1/23/01		
2 REVISED PER CITY INSPECTORS COMMENTS, 1/30/01	CAB	1/30/01		
3 SEE SHEET 1	LSH	07/26/01		
4 AS-BUILT CHANGES	BDS	08/16/02		

SUBMITTED TO CITY NOV. 4, 2002

ASSOCIATED PROJECT CONSULTANTS, INC., P.S.
CIVIL ENGINEERS, PROJECT AND LAND USE MANAGEMENT,
BUILDING, STRUCTURAL AND ENVIRONMENTAL SERVICES
1401 ASTOR STREET, BELLINGHAM, WA. 98225
PHONE (360) 671-1146 FAX (360) 671-1169

CLIENT: LAMPLIGHTER MOBILE HOME PARK
PROJECT: WATER SYSTEM IMPROVEMENTS
TITLE: DETAILS

DATE: 01/23/01
APPROVED BY: CAB
NORTH ROTATION: 0.0
SCALE: 1" = 10'-0"

JOB NO: 99-144
ACAD FILE: 99144D.TIA

SHEET: 8

OF: 8