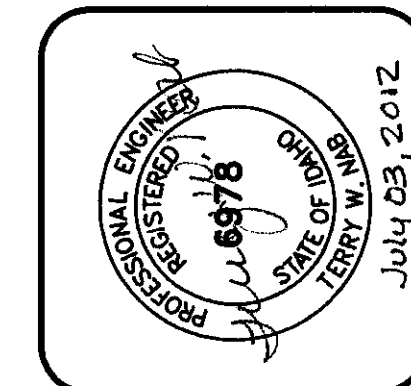
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PROGRESSIVE
ENGINEERING GROUP, INC

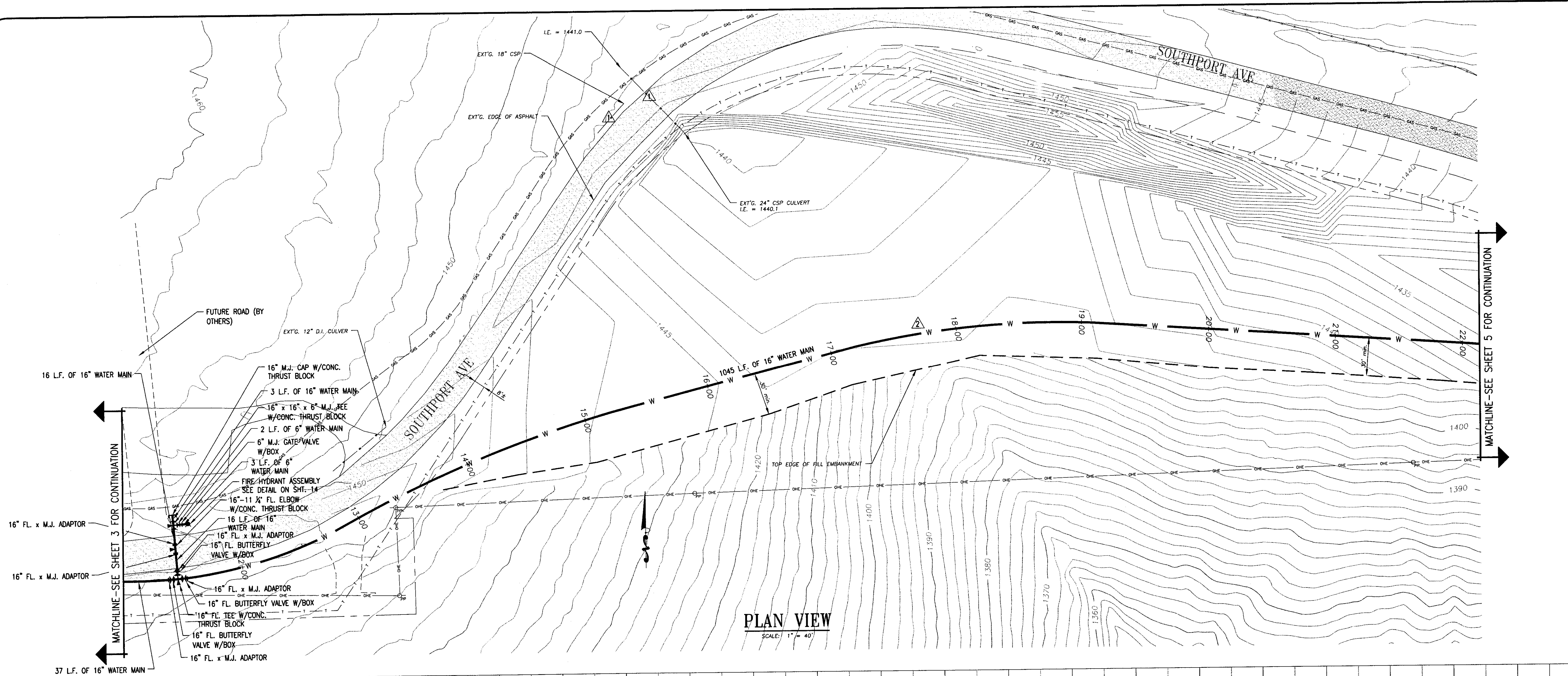
PLANNING ▲ DESIGN ▲ CONSTRUCTION MANAGEMENT

1208 IDAHO STREET
LEWISTON, IDAHO 83501
747-5406 FAX 746-9732

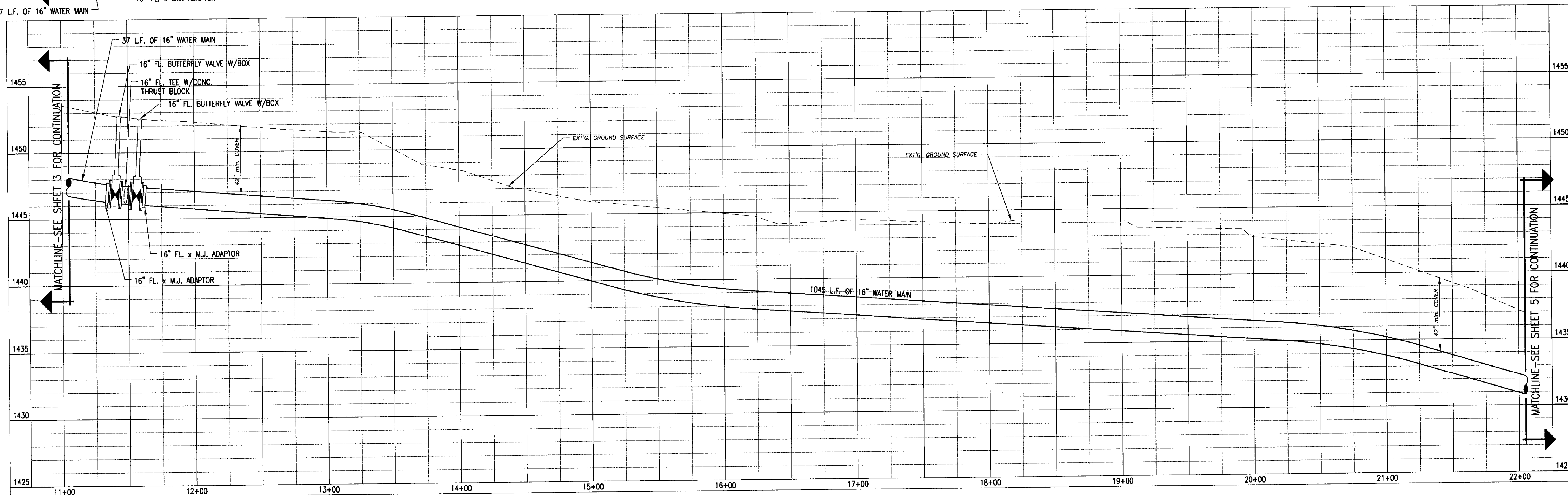
PH (208) 746-9732

D 2 J, INC.
SOUTHPORT WATER MAIN EXTENSION
AIRPOINTE BUSINESS PARK
SHEET LAYOUT
LEWISTON, IDAHO 83501

DRAWN BY: WRE	CHECKED BY: TWN
DESIGNED BY: TWN	
DATE: 02/23/11	
LAST REV:	
PROJECT NO.: 08-005	
SHEET 2 OF 17	



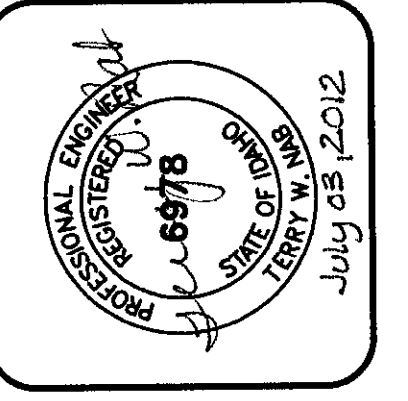
PLAN VIEW
SCALE: 1" = 40'



PROFILE VIEW
SCALE: HORIZ. 1" = 40'
VERT. 1" = 4'

RECORD DRAWING 06/21/12

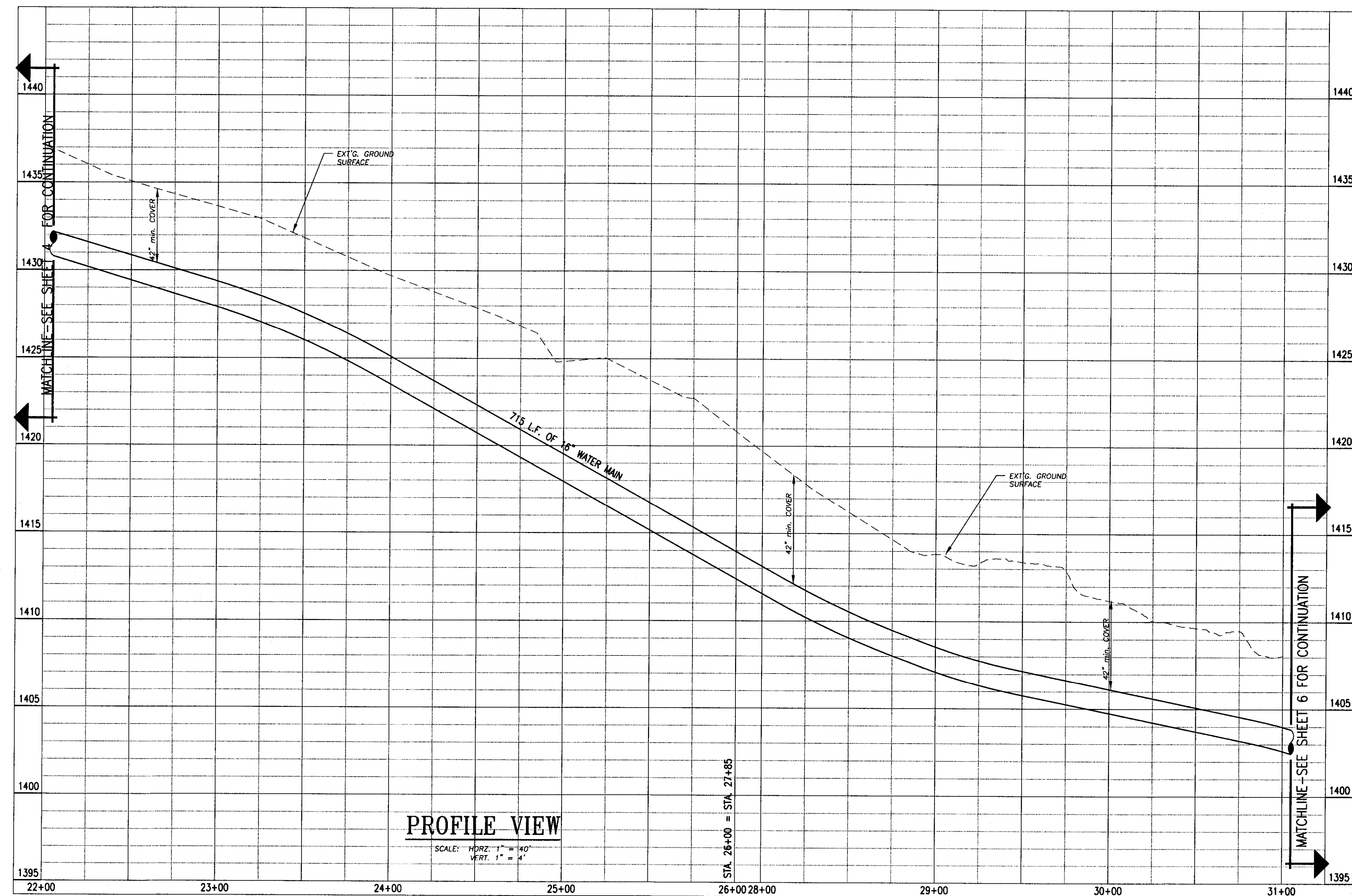
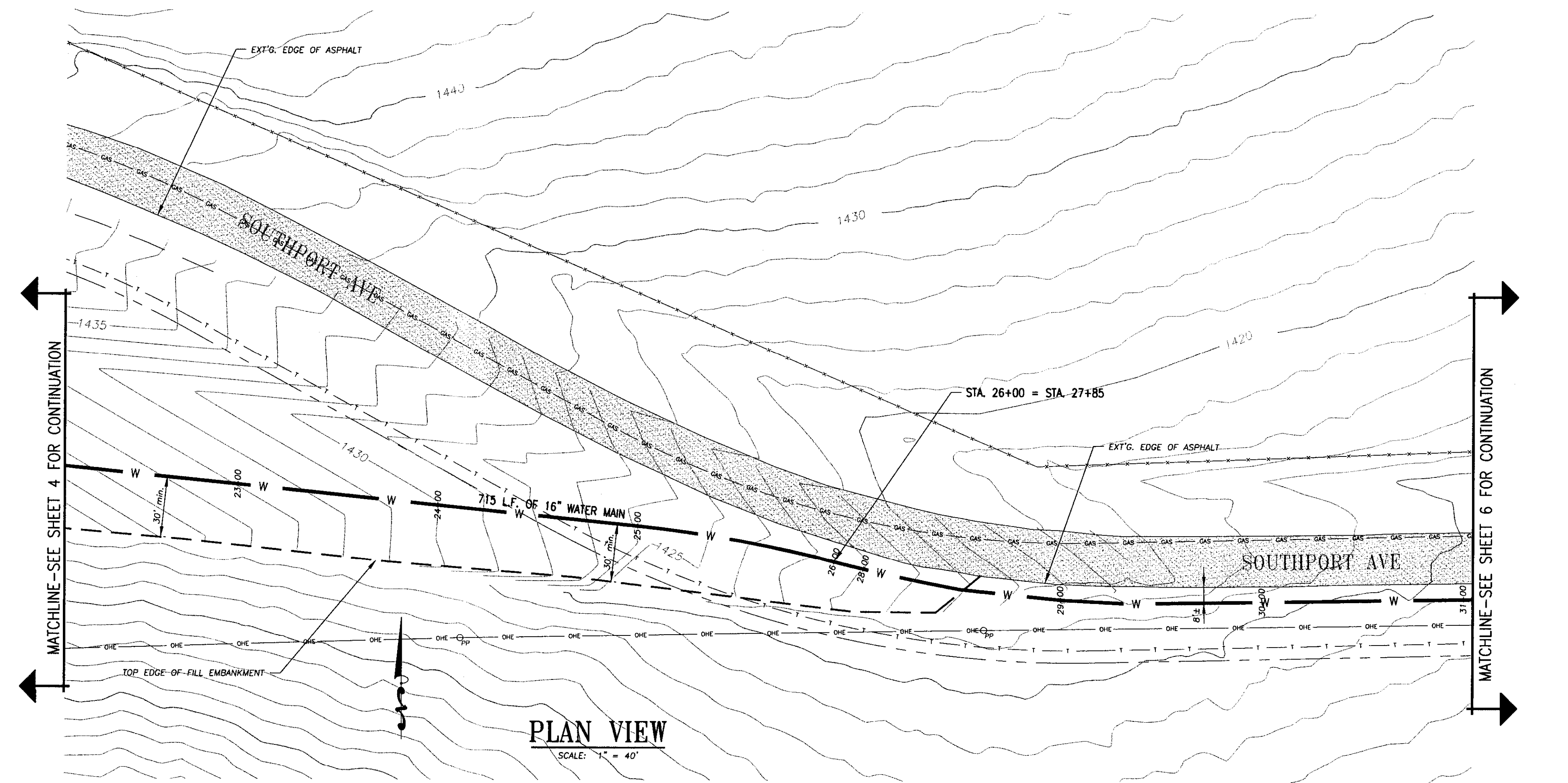
REVISIONS	DATE	BY



PROGRESSIVE ENGINEERING GROUP, INC.
 PLANNING DESIGN & CONSTRUCTION MANAGEMENT
 1808 IDUG STREET
 LEWISTON, IDAHO 83501
 PH (208) 748-6406 FAX (208) 748-6732

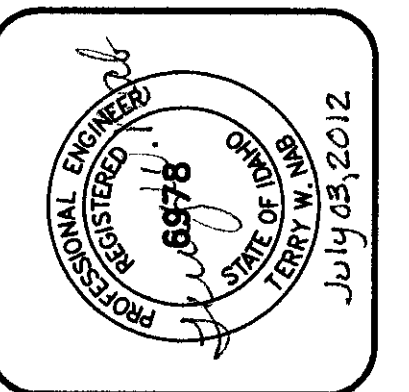
D 2 J, INC.
 SOUTHPORT WATER MAIN EXTENSION
 AIRPOINTE BUSINESS PARK
 STA. 11+05 TO STA. 22+05
 LEWISTON, IDAHO 83501

DRAWN BY: MSR	CHECKED BY: TWN
DESIGNED BY: TWN	DATE: 06/21/12
LAST REV:	PROJECT NO.: 08-005
SHEET 4	OF 17



RECORD DRAWING 06/21/12

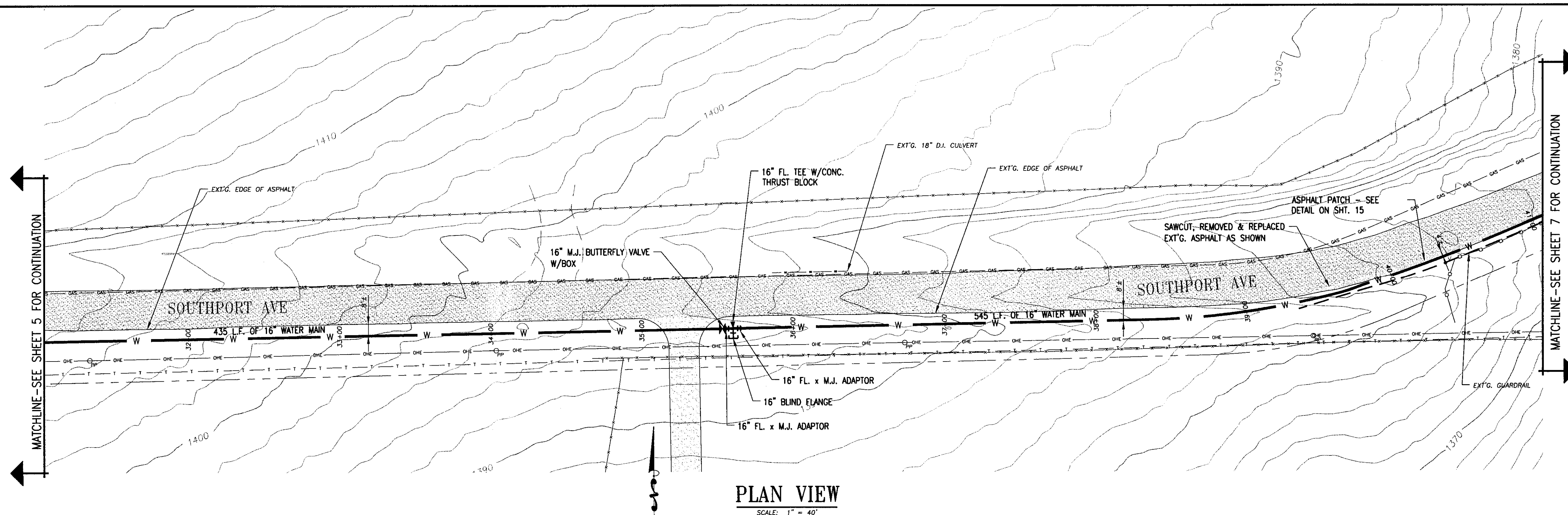
NO.	DATE	BY	REVISIONS



PROGRESSIVE ENGINEERING GROUP, INC.
 PLANNING DESIGN & CONSTRUCTION MANAGEMENT
 1208 IDAHO STREET
 LEWISTON, IDAHO 83501
 PH (208) 746-6406 FAX (208) 746-8732

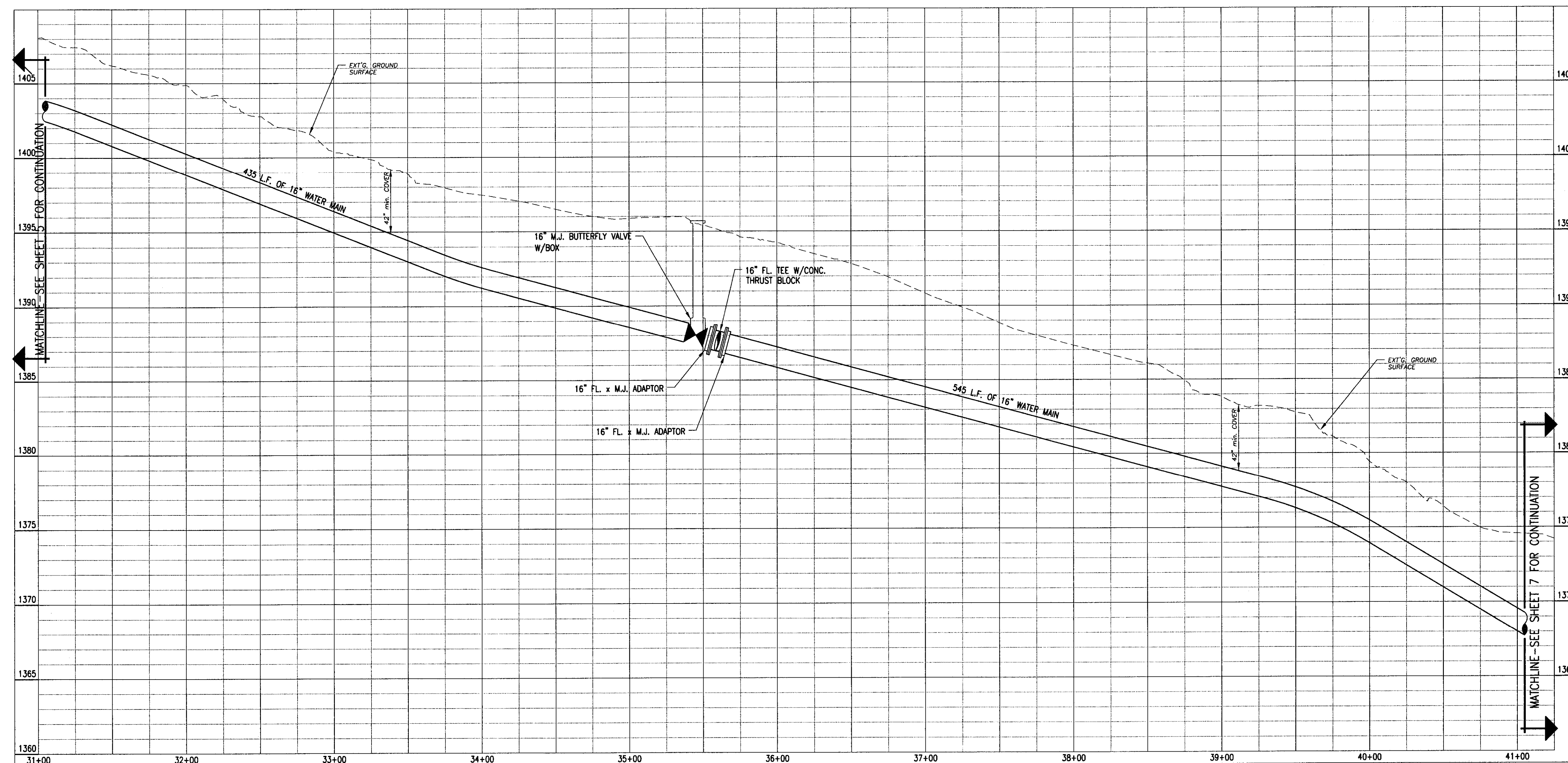
D 2 J, INC.
 SOUTHPORT WATER MAIN EXTENSION
 AIRPOINTE BUSINESS PARK
 STA. 22+05 TO STA. 31+05
 LEWISTON, IDAHO 83501

DRAWN BY: MSR	CHECKED BY: TWN
DESIGNED BY: TWN	
DATE: 06/21/12	
LAST REV:	
PROJECT NO.: 08-005	
SHEET 5	OF 17



PLAN VIEW
SCALE: 1" = 40'

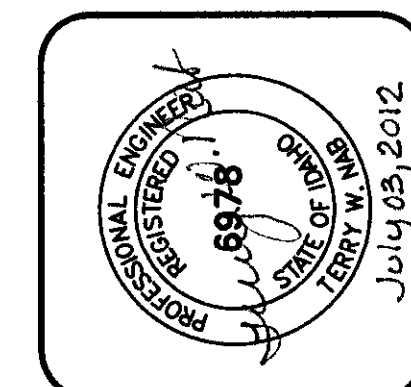
CALL
TWO WORKING DAYS
BEFORE YOU DIG
1-800-342-1585
DIG LINE, INC.
3350 AMERICAN TERN, STE. 370
BOISE, IDAHO 83706



PROFILE VIEW
SCALE: HORZ. 1" = 40'
VERT. 1" = 4'

RECORD DRAWING 06/21/12

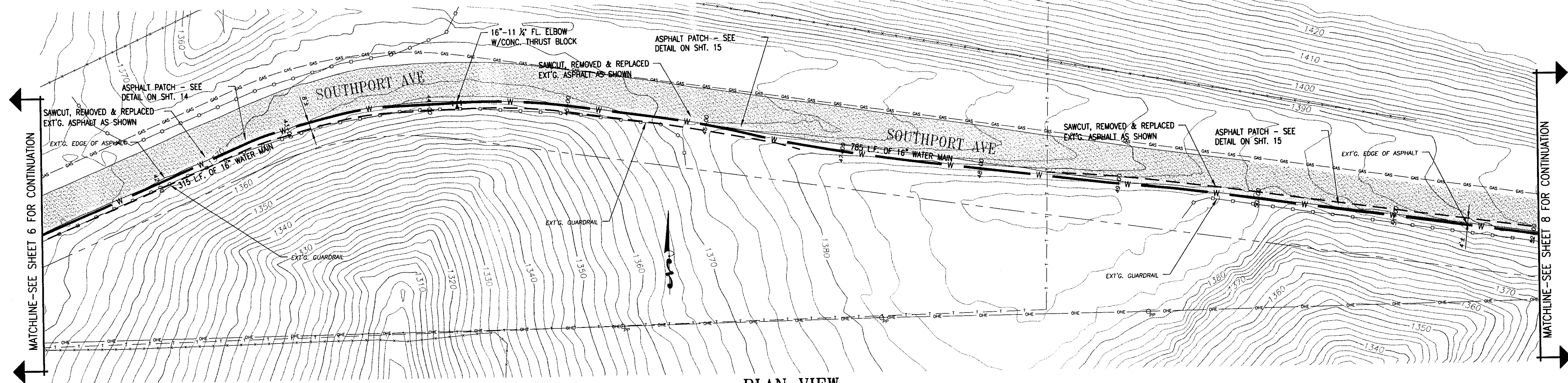
NO.	DATE	BY	REVISIONS



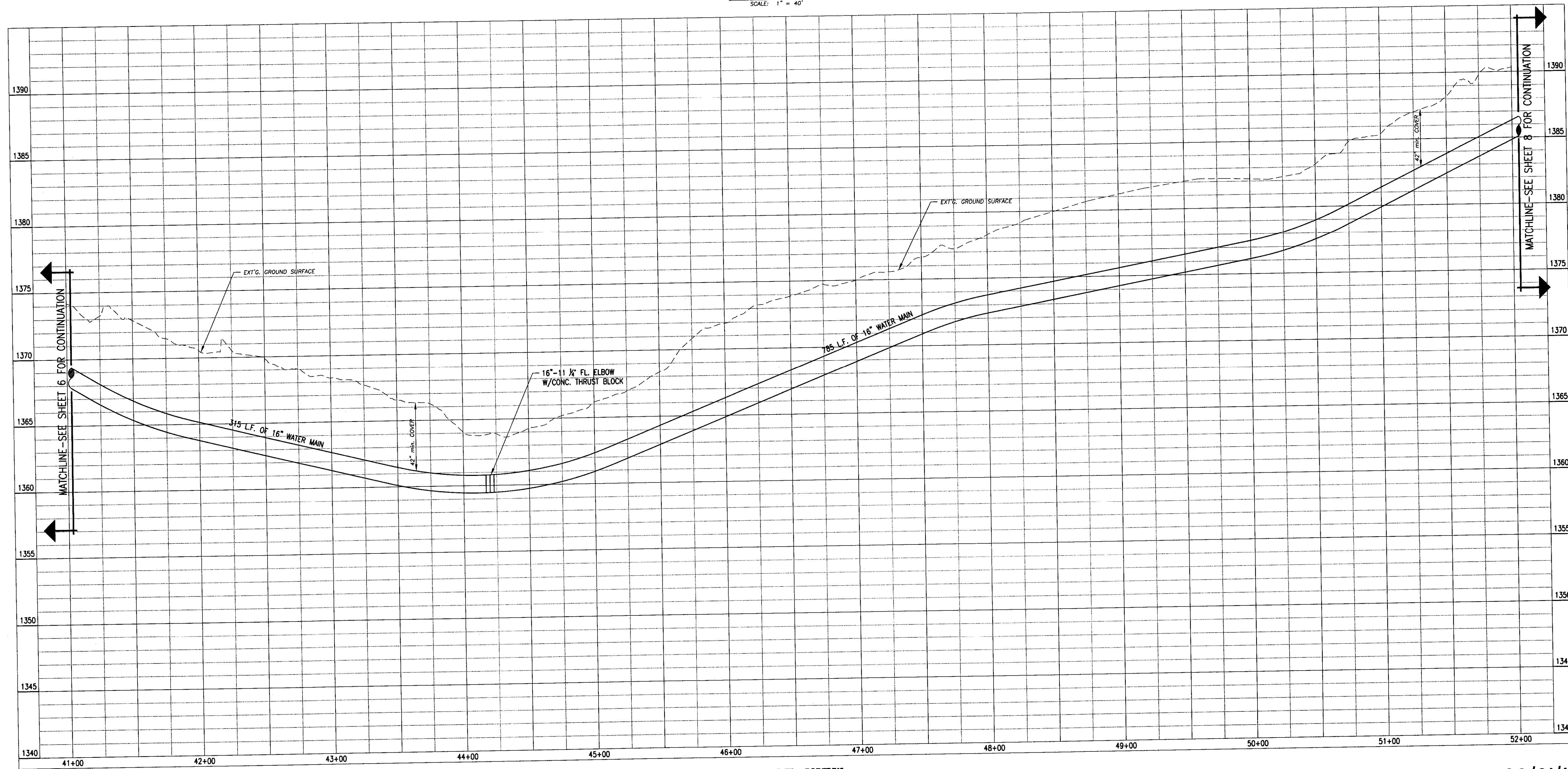
PROGRESSIVE
ENGINEERING GROUP, INC
PLANNING & DESIGN + CONSTRUCTION MANAGEMENT
1208 IDAHO STREET
LEWISTON, IDAHO 83501
PH (208) 746-6406 FAX (208) 746-9702

D 2 J, INC.
SOUTHPORT WATER MAIN EXTENSION
AIRPOINTE BUSINESS PARK
STA. 31+05 TO STA. 41+05
LEWISTON, IDAHO 83501

DRAWN BY:	CHECKED BY:
MJR	TWN
DESIGNED BY:	TWN
DATE:	06/21/12
LAST REV:	
PROJECT NO:	08-005
SHEET 6	OF 17



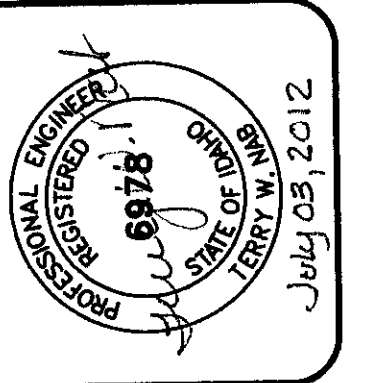
PLAN VIEW
SCALE: 1" = 40'



PROFILE VIEW
SCALE: HORIZ. 1" = 40'
VERT. 1" = 4'

RECORD DRAWING 06/21/12

NO.	DATE	BY	REVISIONS

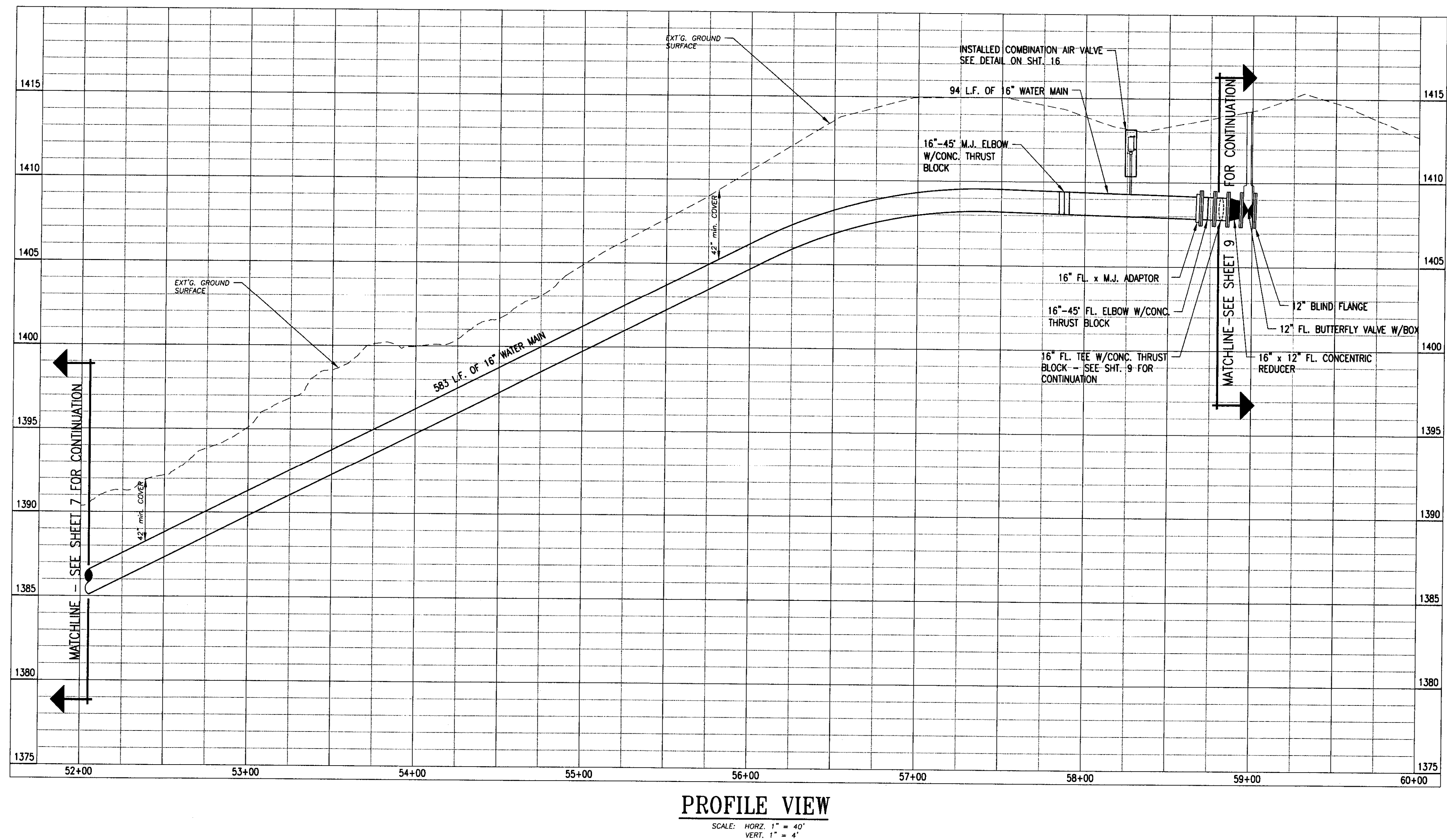
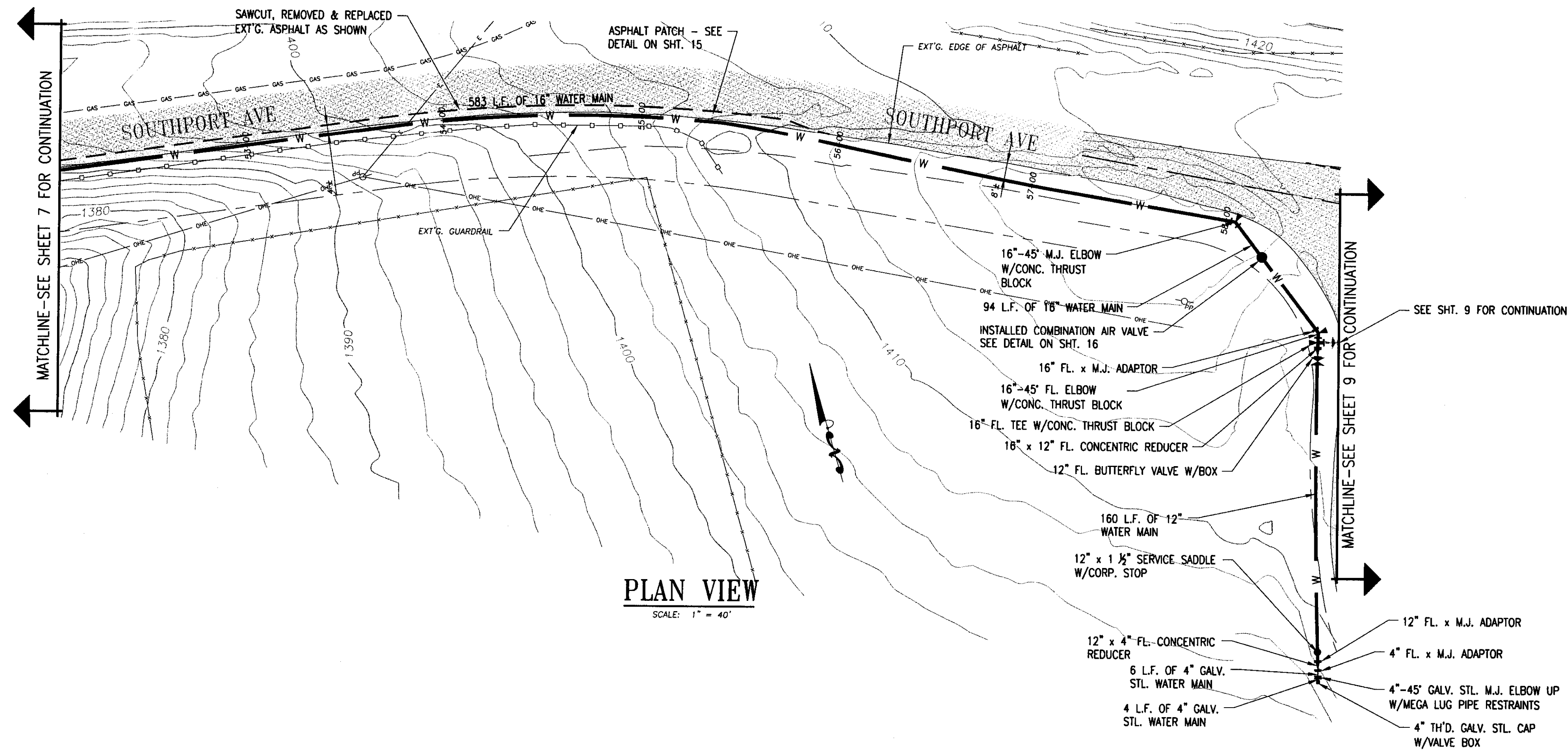


**PROGRESSIVE
ENGINEERING GROUP, INC.**

PLANNING ▴ DESIGN ▴ CONSTRUCTION MANAGEMENT
1208 IDAHO STREET
LEWISTON, IDAHO 83501
PH (208) 746-3406 FAX (208) 746-9728

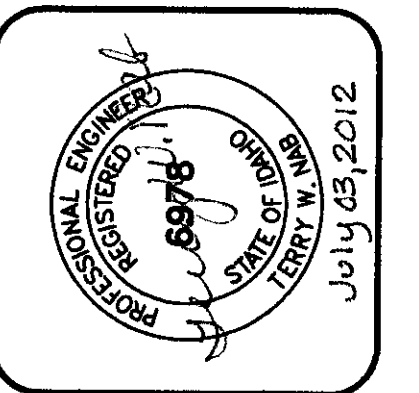
D 2 J, INC.
SOUTHPORT WATER MAIN EXTENSION
AIRPOINTE BUSINESS PARK
STA. 41+05 TO STA. 52+05
LEWISTON, IDAHO 83501

DRAWN BY: MSR	CHECKED BY: TWN
DESIGNED BY: TWN	DATE: 06/21/12
LAST REV:	PROJECT NO.: 08-005
SHEET 7	OF 17



RECORD DRAWING 06/21/12

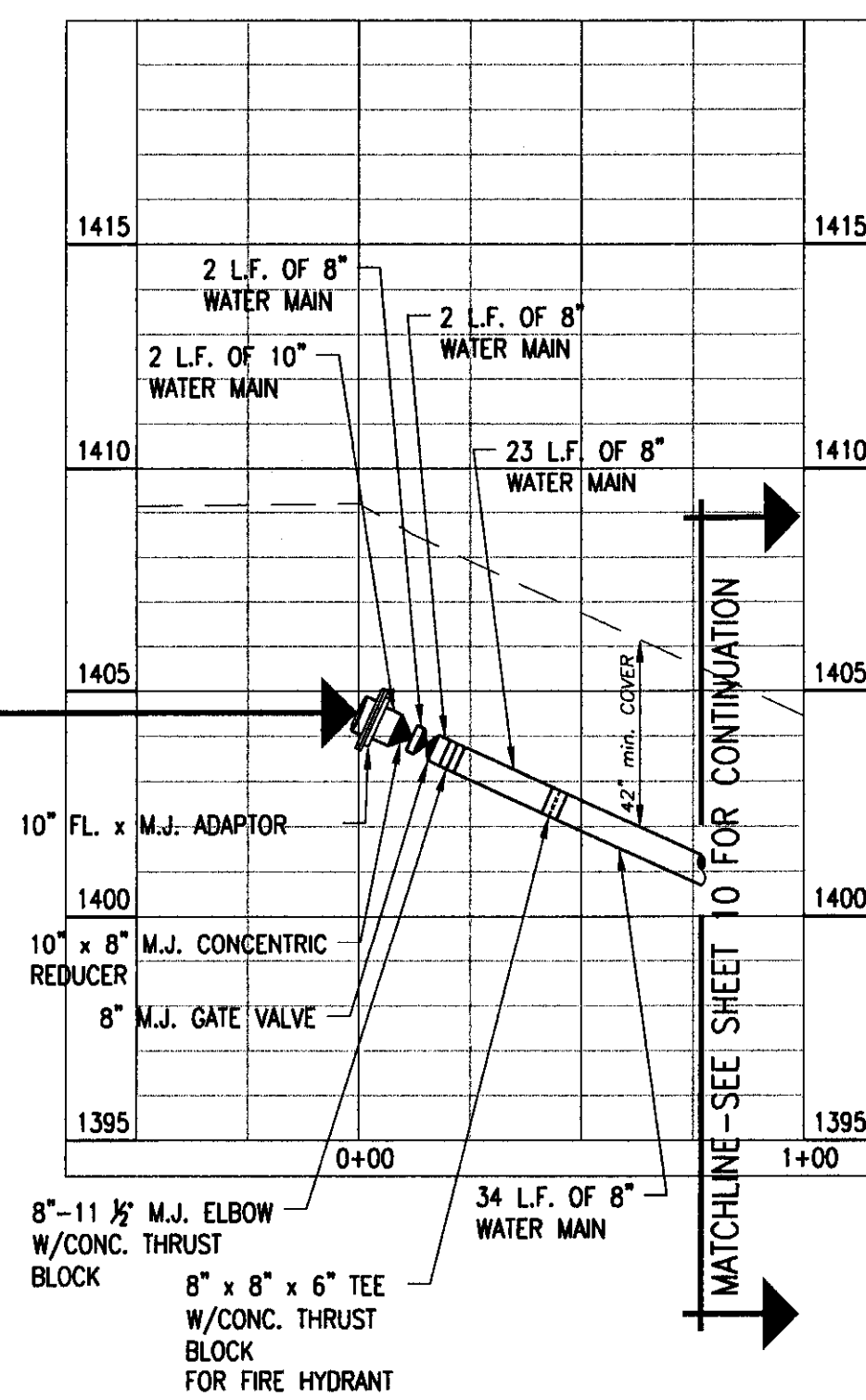
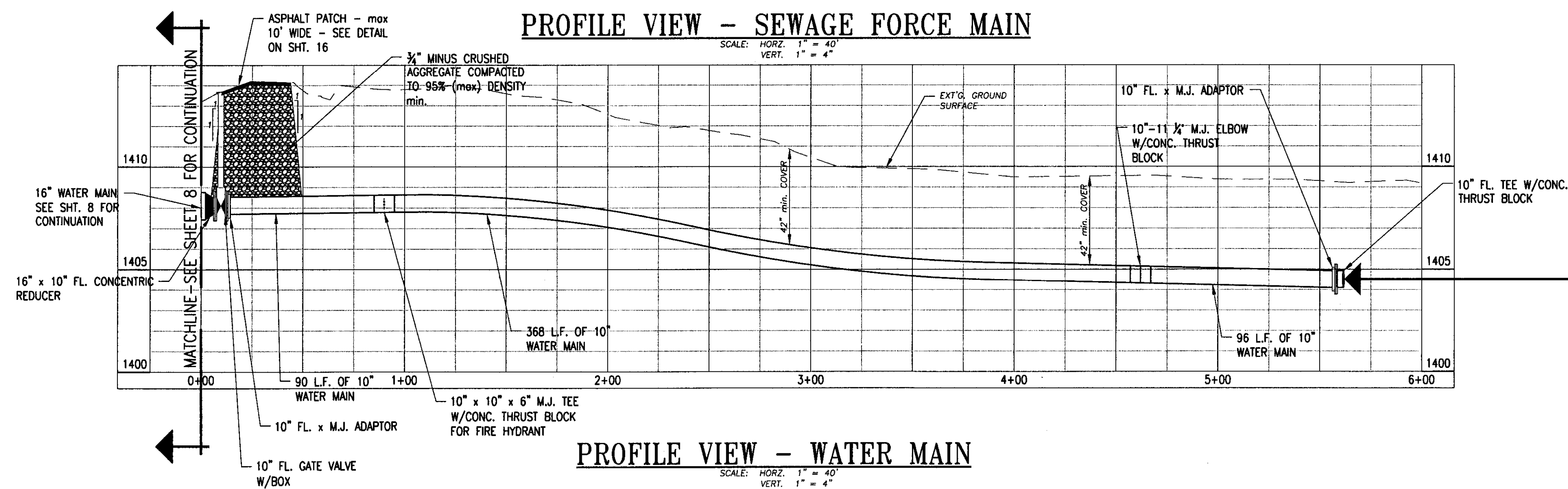
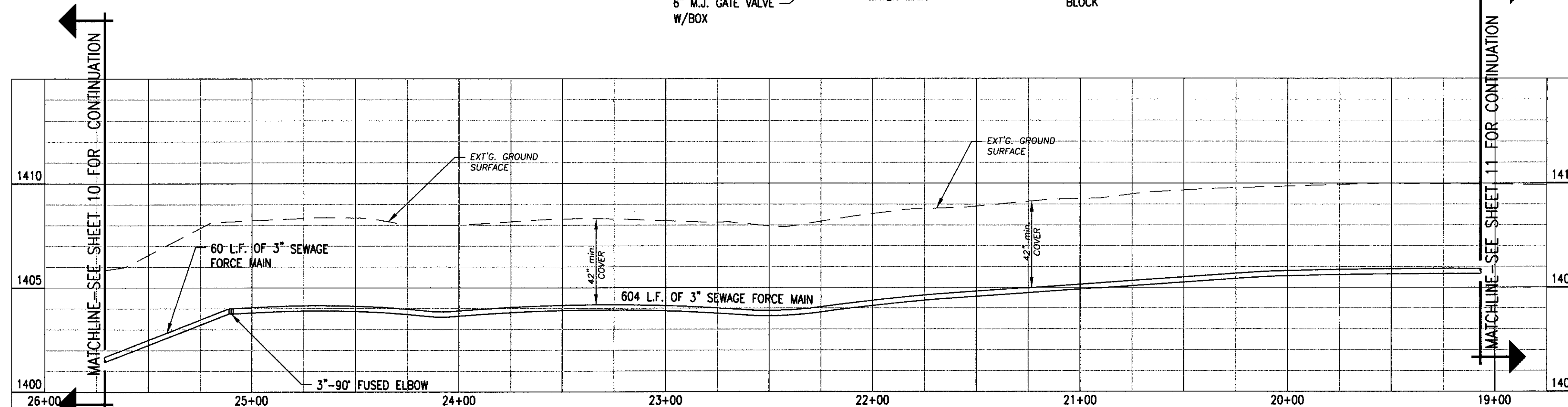
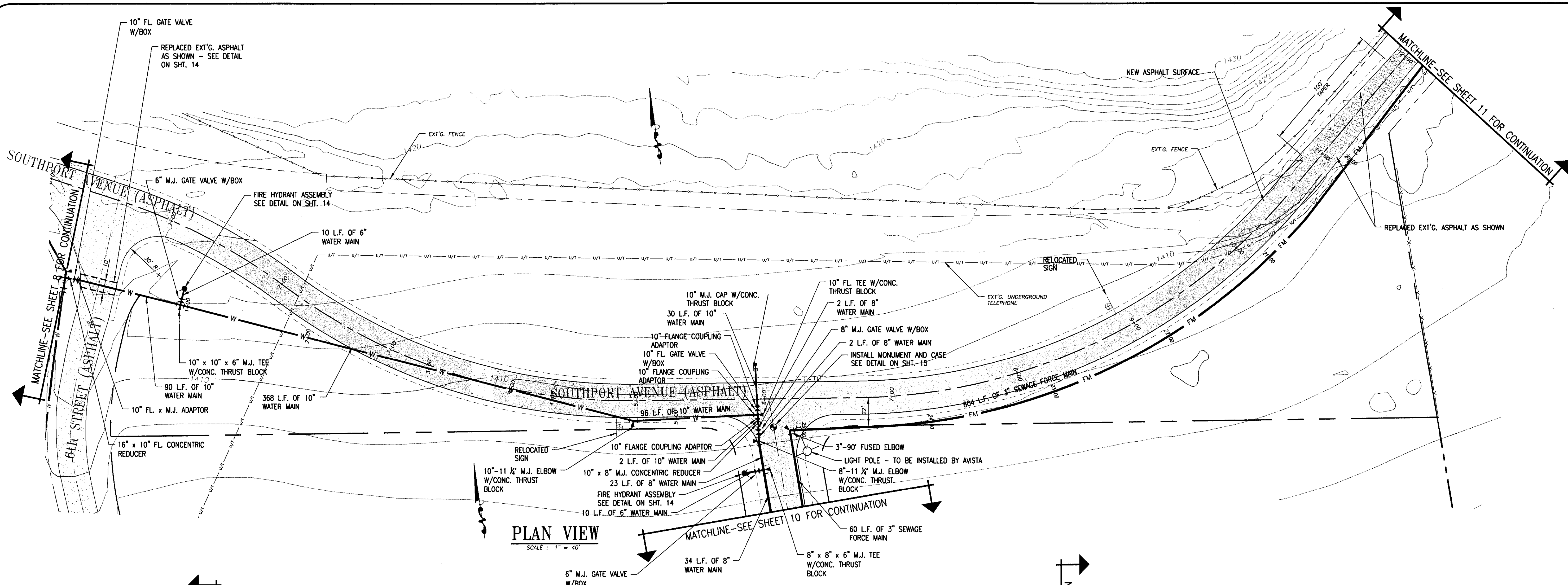
REV	DATE	BY	REVISIONS



PROGRESSIVE ENGINEERING GROUP, INC.
 PLANNING DESIGN & CONSTRUCTION MANAGEMENT
 1208 IDAHO STREET
 LEWISTON, IDAHO 83501
 PH (208) 746-5408 FAX (208) 746-9732

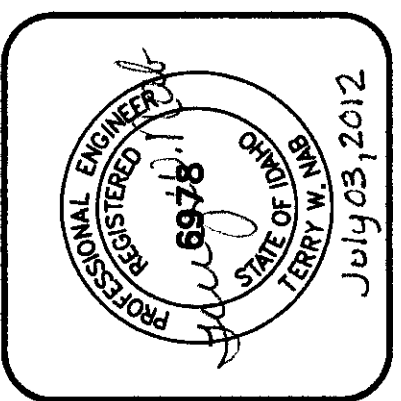
D 2 J, INC.
 SOUTHPORT WATER MAIN EXTENSION
 AIRPOINTE BUSINESS PARK
 STA. 52+05 TO STA. 58+82
 LEWISTON, IDAHO 83501

DRAWN BY: MSR	CHECKED BY: TWN
DESIGNED BY: TWN	
DATE: 06/21/12	
LAST REV:	
PROJECT NO.: 08-005	
SHEET 8 OF 17	



RECORD DRAWING 06/21/12

REVISIONS	DATE	BY	DESCRIPTION



PROGRESSIVE ENGINEERING GROUP, INC

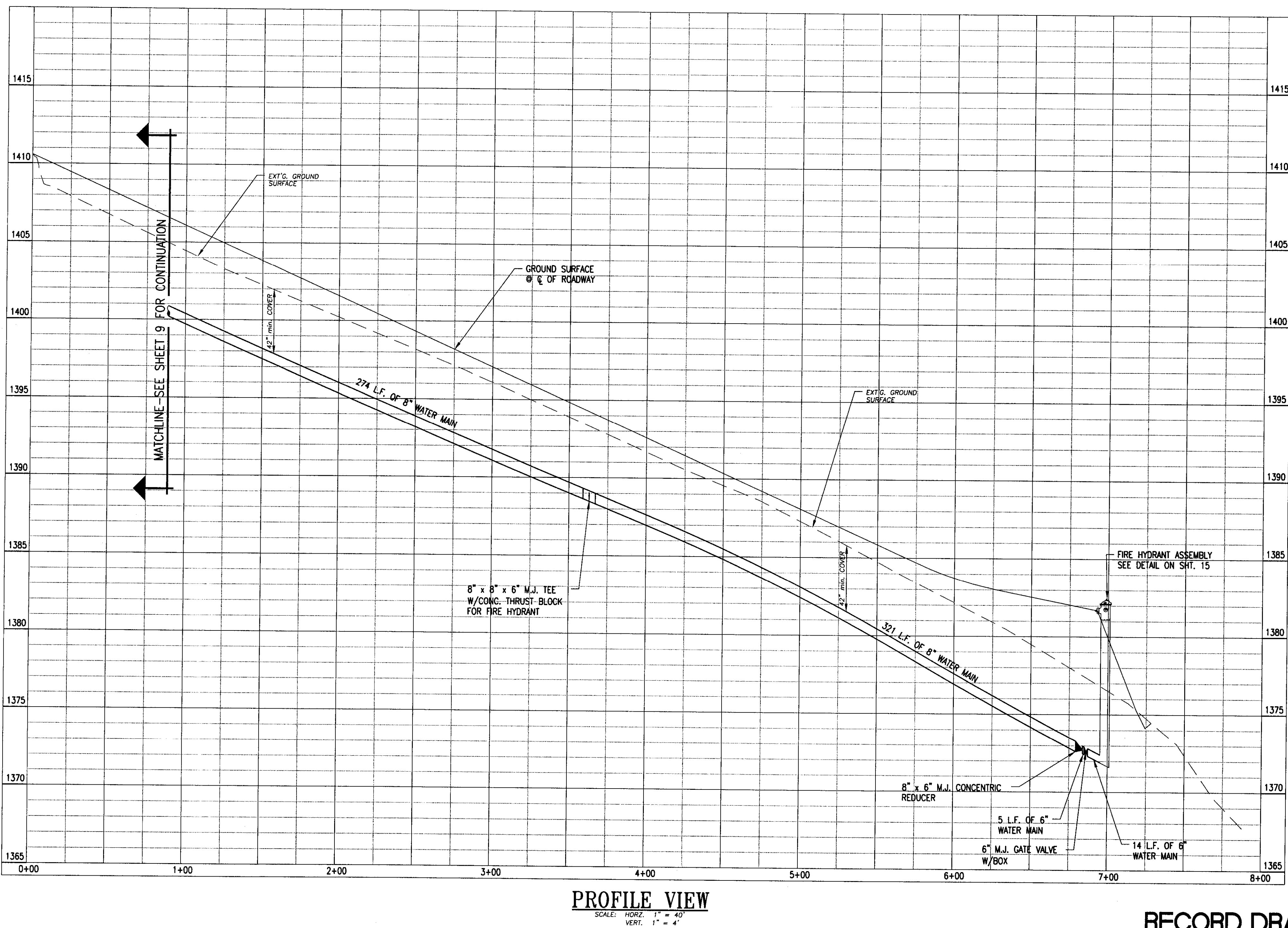
PLANNING DESIGN & CONSTRUCTION MANAGEMENT

1208 IDAHO STREET
LEWISTON, IDAHO 83501
PH (208) 746-5406 FAX (208) 746-9792

D 2 J, INC.

SOUTHPORT WATER MAIN EXTENSION
AIRPOINTE BUSINESS PARK
STA. 0+00 TO STA. 12+04
LEWISTON, IDAHO 83501

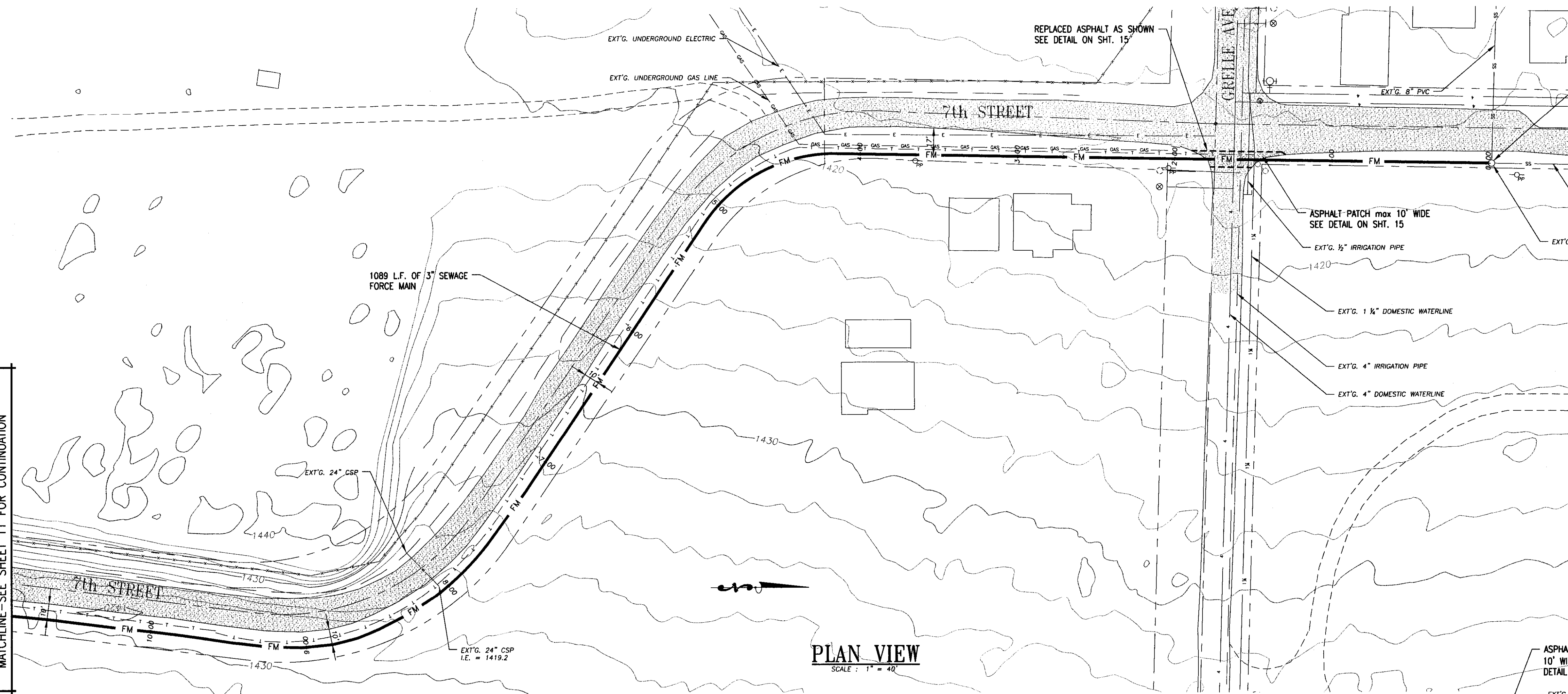
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DESIGNED BY: TWN	
DATE: 06/21/12	
LAST REV:	
PROJECT NO.: 08-005	
SHEET 9 OF 17	



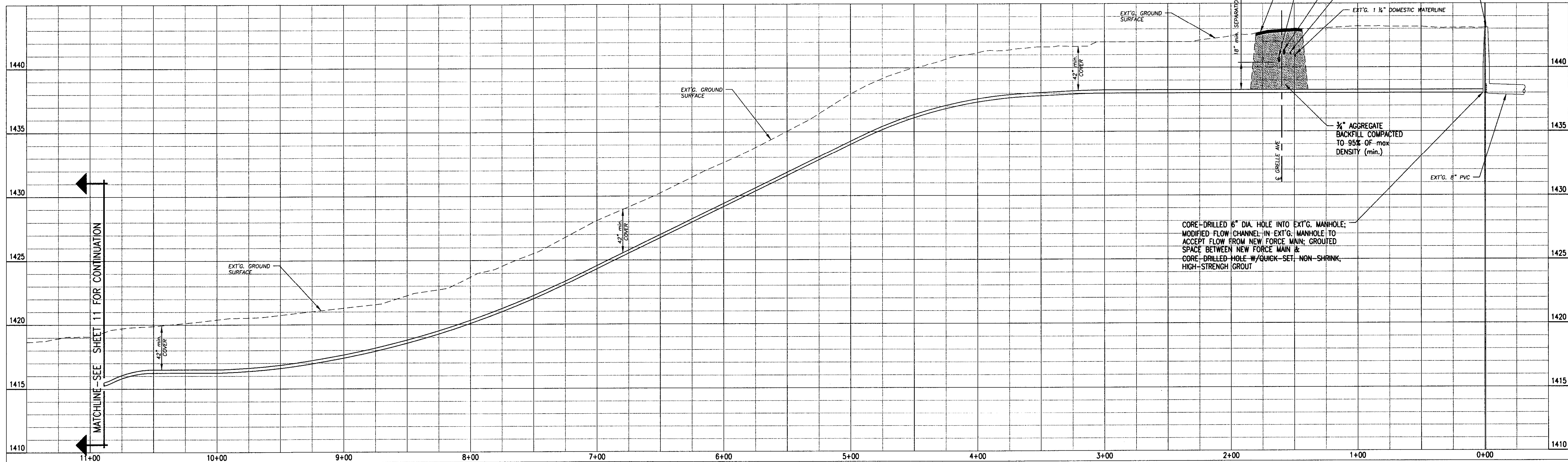
RECORD DRAWING 06/21/12

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DESIGNED BY: TWN	
DATE: 06/21/12	
LAST REV:	
PROJECT NO.: 08-005	
SHEET 10 OF 17	

MATCHLINE-SEE SHEET 11 FOR CONTINUATION



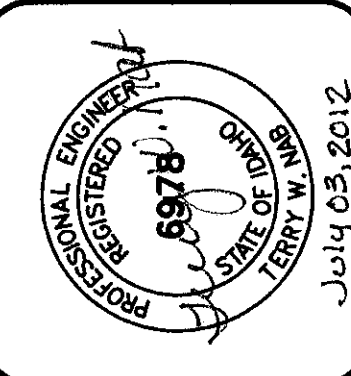
PLAN VIEW
SCALE: 1" = 40'



PROFILE VIEW
SCALE: HORIZ. 1" = 40'
VERT. 1" = 4'

RECORD DRAWING 06/21/12

REVISIONS	
NO.	DATE



**PROGRESSIVE
ENGINEERING GROUP, INC**

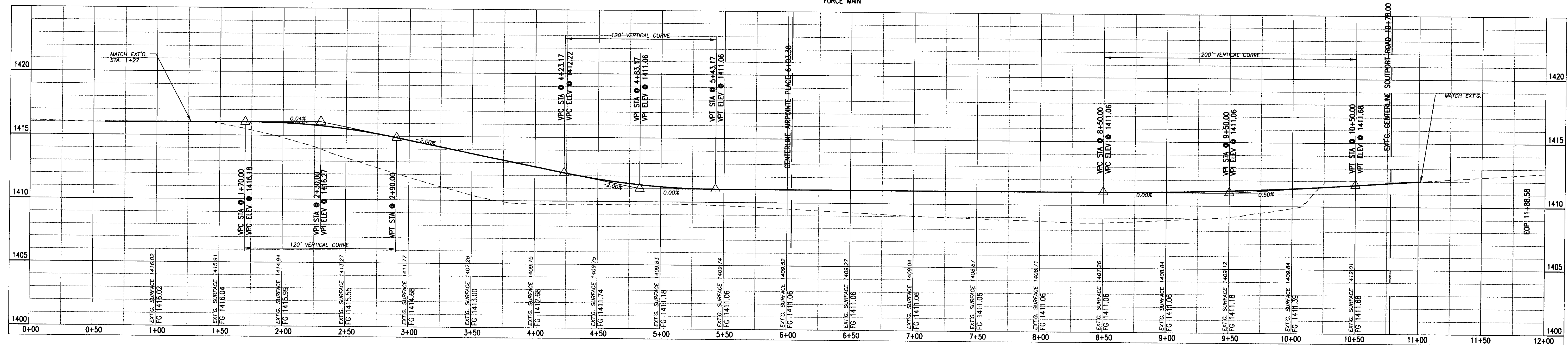
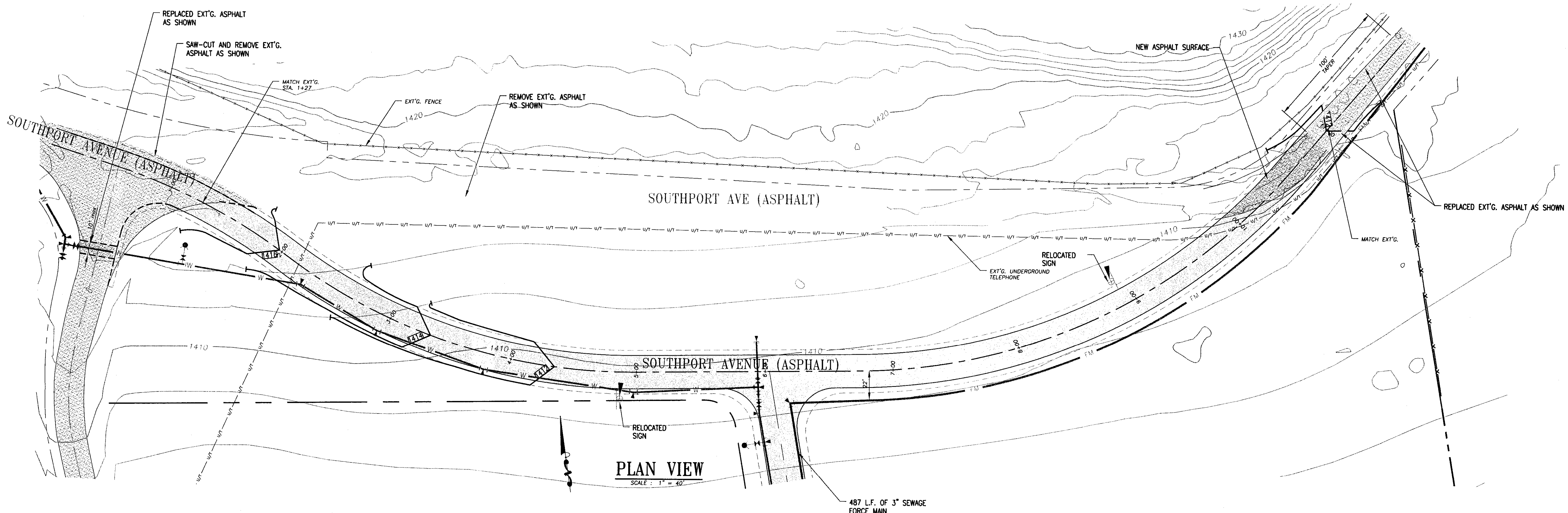
PLANNING DESIGN & CONSTRUCTION MANAGEMENT

1208 IDAHO STREET
LEWISTON, IDAHO 83501
PH (208) 748-5406 FAX (208) 748-9782

D 2 J, INC.

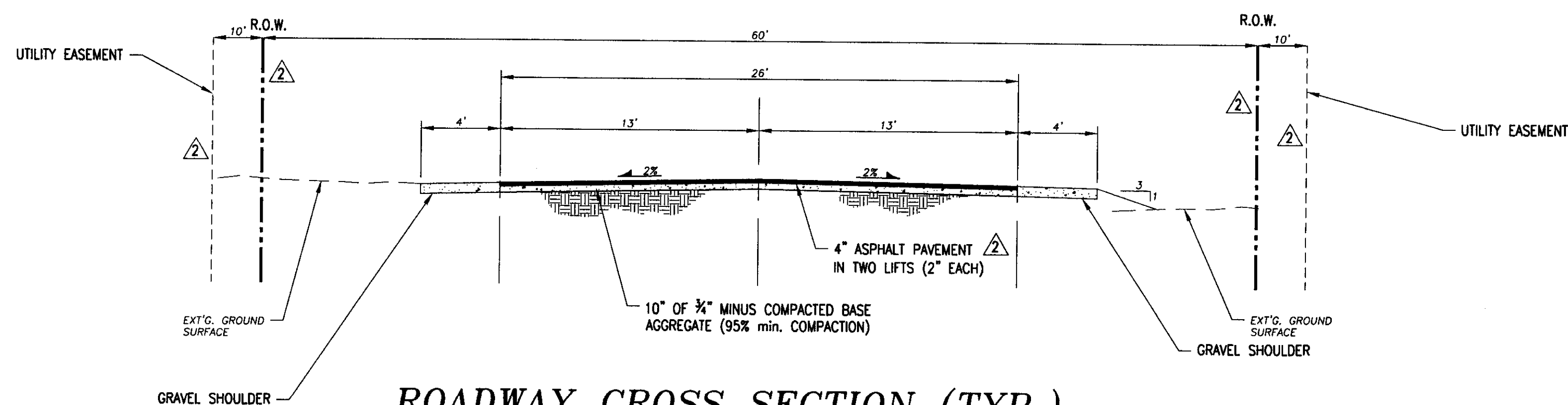
SOUTHPORT WATER MAIN EXTENSION
AIRPORTE BUSINESS PARK
STA. 10+89 TO 0+00
LEWISTON, IDAHO 83501

DRAWN BY: WRE	CHECKED BY: TWN
DESIGNED BY: TWN	
DATE: 03/01/11	
LAST REV:	
PROJECT NO.: 08-005	
SHEET 12	OF 17



PROFILE VIEW - SOUTHPORT AVENUE

SCALE: HORIZ. 1" = 40'
VERT. 1" = 4'



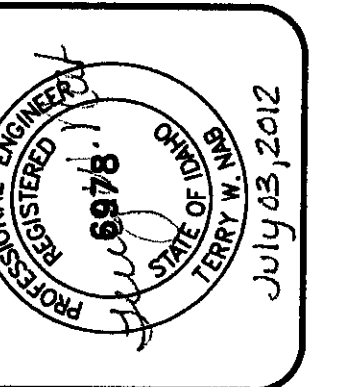
ROADWAY CROSS SECTION (TYP.)

SCALE: 1" = 5'

RECORD DRAWING 06/21/12

REVISIONS

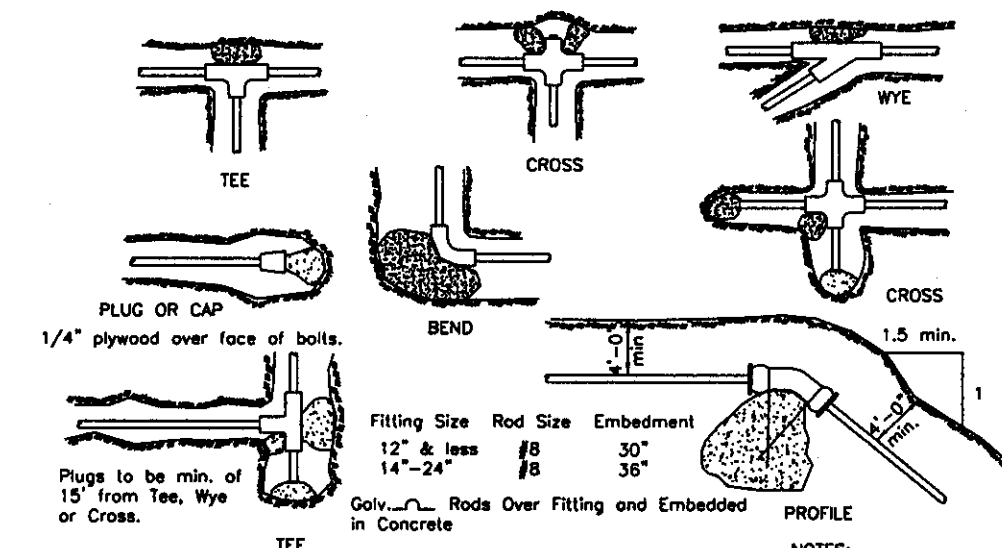
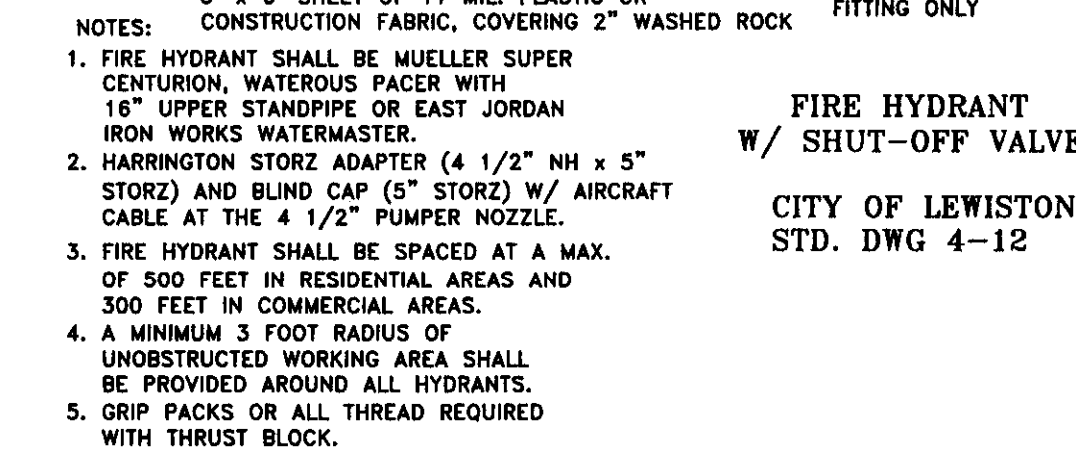
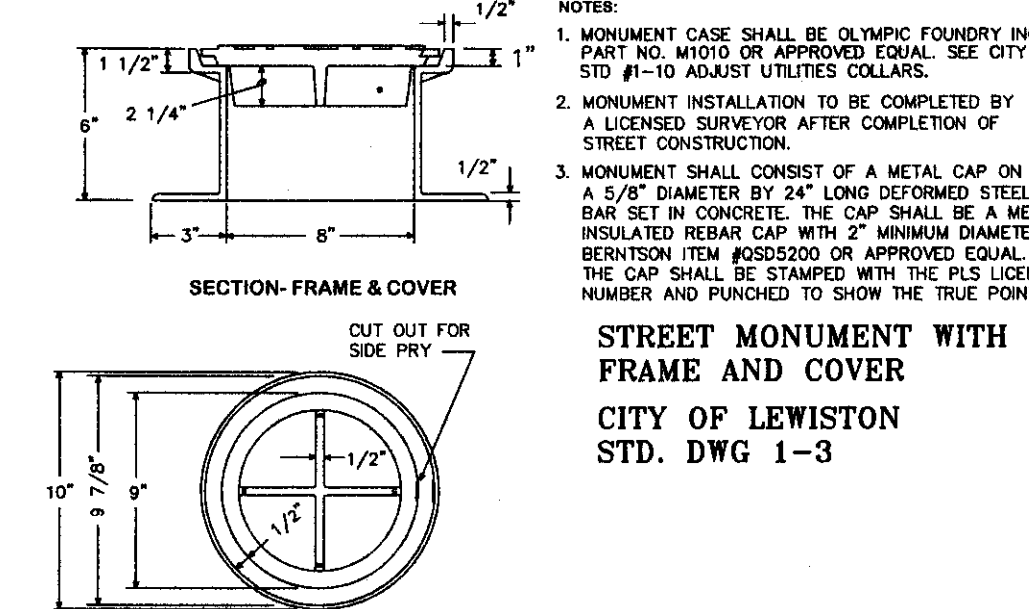
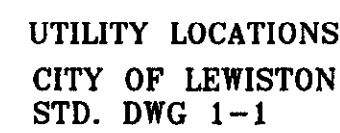
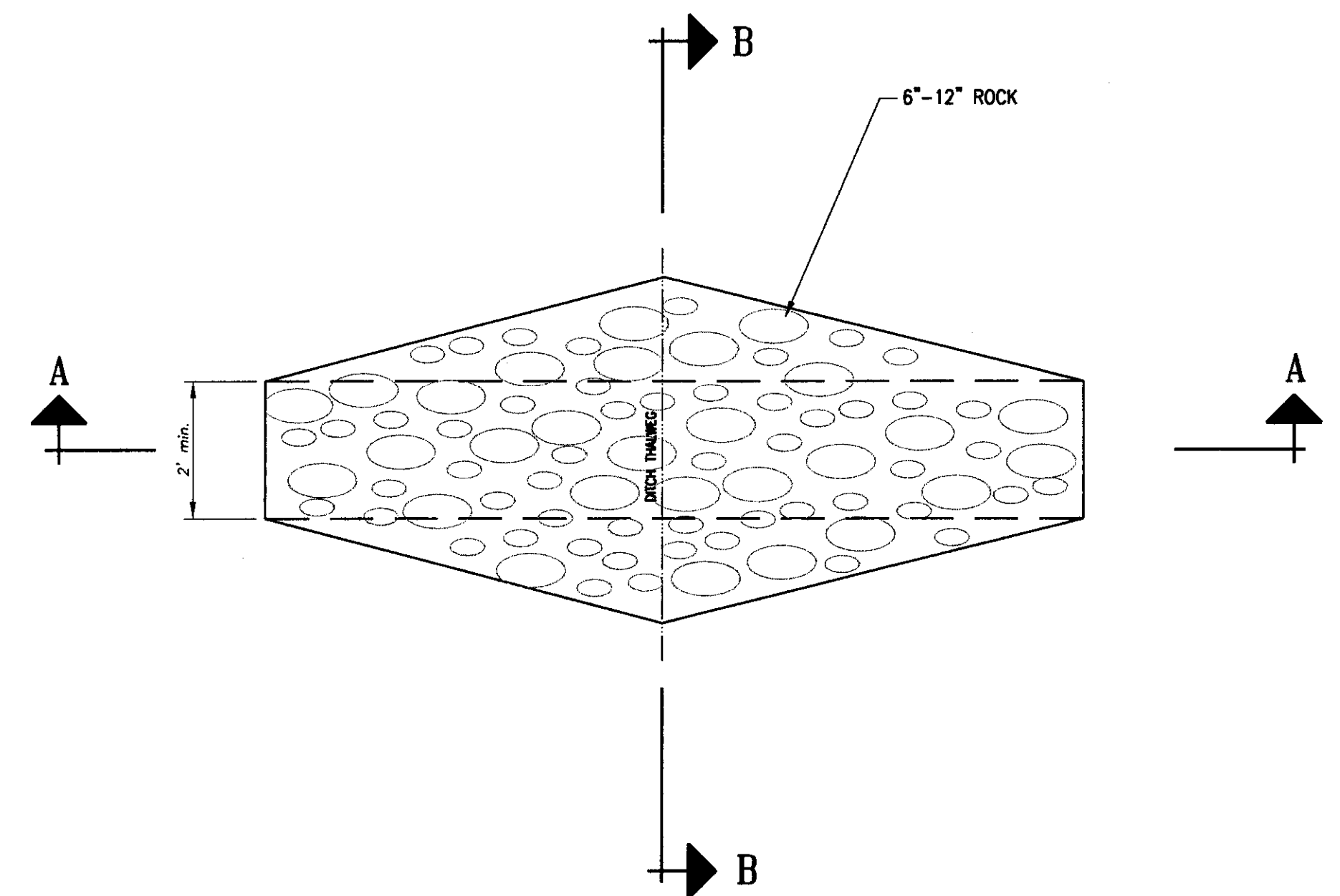
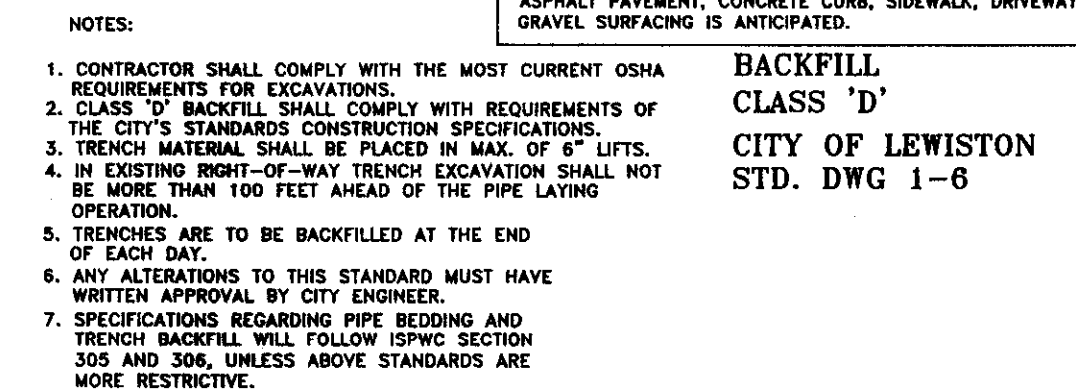
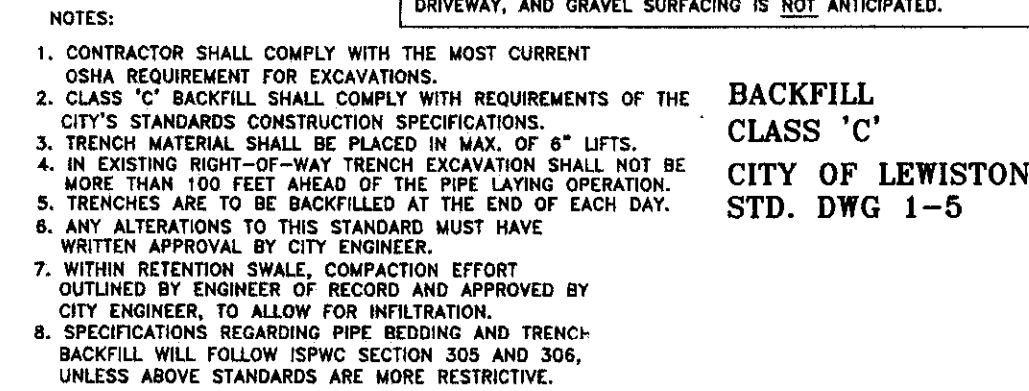
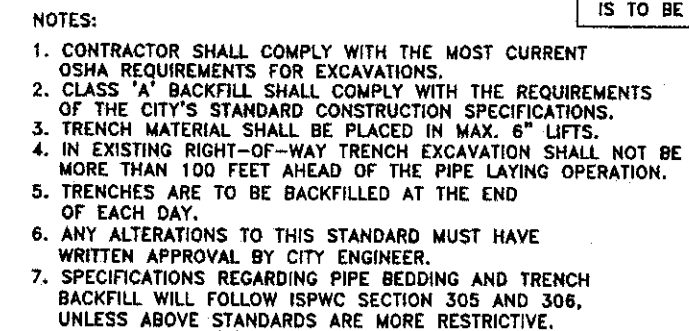
DATE BY



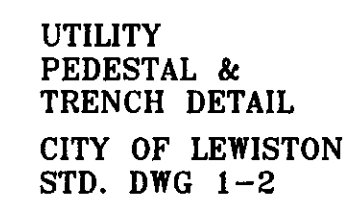
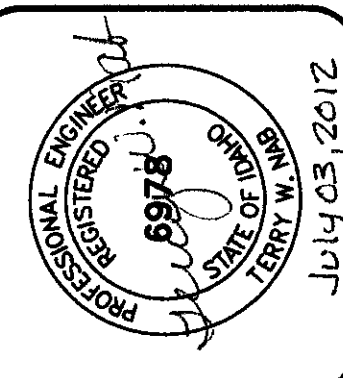
**PROGRESSIVE
ENGINEERING GROUP, INC.**
PLANNING DESIGN & CONSTRUCTION MANAGEMENT
1208 IDAHO STREET
LEWISTON, IDAHO 83501
PH (208) 746-5406 FAX (208) 746-9792

D 2 J, INC.
SOUTHPORT WATER MAIN EXTENSION
AIRPOINTE BUSINESS PARK
SOUTHPORT AVE GRADING PLAN
LEWISTON, IDAHO 83501

DRAWN BY: WRE
DESIGNED BY: TWIN
DATE: 02/28/11
LAST REV: 10/12/11
PROJECT NO.: 08-005
SHEET 14 OF 17



THRUST BLOCKING
DETAIL
CITY OF LEWISTON
STD. DWG 4-4

[illegible]

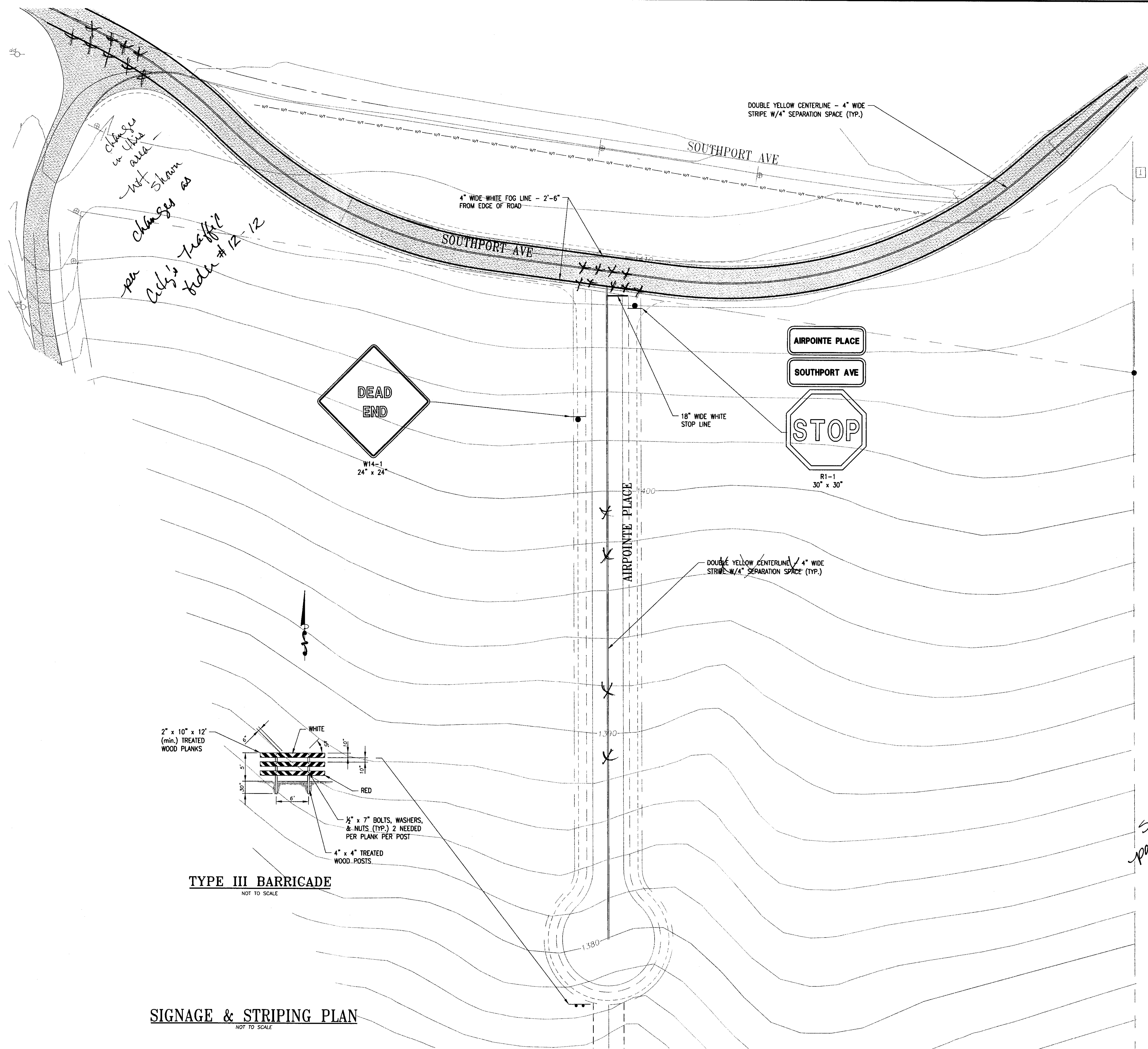
**PROGRESSIVE
ENGINEERING GROUP, INC**

PLANNING  DESIGN & CONSTRUCTION MANAGEMENT 

1208 IDAHO STREET
LEWISTON, IDAHO 83501
PH (208) 740-3406 FAX (208) 748-9732

**SOUTHPORT WATER MAIN EXTENSION
AIRPOINTE BUSINESS PARK
DETAILS
LEWISTON, IDAHO 83501**

DRAWN BY: JAY	CHECKED BY: TWN
DESIGNED BY: TWN	
DATE: 02/28/11	
LAST REV:	
PROJECT NO.: 08-005	
SHEET 15 OF 17	

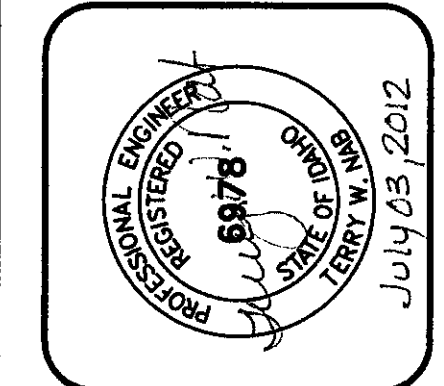


SIGNAGE & STRIPING PLAN
NOT TO SCALE

TYPE III BARRICADE
NOT TO SCALE

signage & pavement markings as per city's traffic order #12-12

REVISIONS		
NO.	DATE	BY



PROGRESSIVE ENGINEERING GROUP, INC

PLANNING DESIGN & CONSTRUCTION MANAGEMENT

1208 IDAHO STREET
LEWISTON, IDAHO 83501
PH (208) 746-5406 FAX (208) 746-9792

D 2 J, INC.

SOUTHPORT WATER MAIN EXTENSION
AIRPORTE BUSINESS PARK
SIGNAGE & STRIPING PLAN
LEWISTON, IDAHO 83501

DRAWN BY: WRE	CHECKED BY: TWN
DESIGNED BY: TWN	DATE: 02/28/11
LAST REV:	PROJECT NO.: 08-005
SHEET 17 OF 17	

SOUTHPORT WATER MAIN EXTENSION
&
AIRPOINTE BUSINESS PARK

ALL UTILITY PATCH WORK IN THE CITY RIGHT-OF-WAY WILL BE TO RAISE THE UTILITIES AND MONUMENTS PRIOR TO THE PLACEMENT OF ASPHALT. IF THE CONTRACTOR/DEVELOPER CHOOSE NOT TO RAISE THE UTILITIES AND MONUMENT PRIOR TO PAVING, THEY WILL BE REQUIRED TO SAW CUT A ROUND HOLE AROUND THE UTILITIES, AND RAISE THE UTILITY FLUSH WITH THE STREET SURFACE. THE AREA AROUND THE UTILITY WILL BE PATCHED WITH CONCRETE PER THE APPROVED CITY STANDARDS.

D 2 J, INC.
LEWISTON, ID 83501

I, hereby certify that the PROJECT DRAWINGS were prepared by me or under my direct supervision and that I am a duly registered Engineer under the laws of the State of Idaho.

Professional Engineer's Lic. #6978
Terry W. Nab, P.E.

[Signature]
Date: Oct. 17, 2011

PROGRESSIVE
ENGINEERING GROUP, INC

PLANNING DESIGN CONSTRUCTION MANAGEMENT
1208 IDAHO STREET
LEWISTON, IDAHO 83501
PH (208) 746-5406 FAX (208) 746-9732

CITY OF LEWISTON INSPECTION LIST

ITEM	MATERIAL	FREQUENCY	STANDARD	INSPECTOR/CO.	DATE	INITIAL
1. SOILS COMPACTION (All Utility Trenches)						
TRENCH SUBBASE	Native	1/200'/4" Compacted L/H				
PIPE BEDDING	3/4" minus Crushed Aggregate	1/200'/4" Compacted L/H	95% Per ASTM D-1557			
1ST 1" OF FILL OVER PIPE	3/4" minus Crushed Aggregate	1/200'/12" Compacted L/H	95% Per ASTM D-1557			
TRENCH BACKFILL						
NEW CONST. Under Prop Road	Native, Max Agg NTE 4" MSD	1/200'/8" Compacted L/H	95% Per ASTM D-1557			
NEW CONST. In Easement/Non-Trafficked Area	Native, Max Agg NTE 4" MSD	1/200'/8" Compacted L/H	92% Per ASTM -1557			
TRENCH BACKFILL, Exist Road						
CUT PARALLEL TO CL	Native, Max Agg NTE 4" MSD	1/200'/8" Compacted L/H	95% Per ASTM D-1557			
CUT PERP TO CENTERLINE	3/4" minus Crushed Aggregate	1/Perp Cut	95% Per ASTM D-1557			
STRUCTURAL FILLS	As Spec'd by Engineer	As Spec'd by Engineer	As Spec'd by Engineer			
2. STORM DRAIN MAINS						
Casketed PE Storm Sewer Pipe	Polyethylene, ADS N-12 or Equal					
ALIGNMENT AND GRADE	N/A	Per Plan	Per Manufacturers' Instructions			
JOINTS (Deflection/Proper Pipe Embedment)	N/A	Each Joint	Per Manufacturers' Instructions			
PRESSURE TEST	N/A	Between Access Holes	4 PSI for 15 Minutes, 1/2 PSI Drop			
MANHOLES	Concrete	N/A	City Std			
3. WATER MAINS						
Ductile Iron or PVC Water Main	AWWA C-151, C-900, C-905 (Class as Req'd)					
ALIGNMENT AND GRADE	N/A	Per Plan	AWWA C-600, AWWA C-605			
JOINTS (Deflection/Proper Pipe Embedment)	N/A	Each Joint	AWWA C-600, AWWA C-605			
THRUST BLOCKS	Concrete, 2500 PSI Mix	Each Joint	Per Plan/Std Dwg			
HYDROSTATIC PRESSURE	N/A	150% Working Pressure @ Low Point	2 Hrs. NTE Allowable Leakage Per AWWA C-600, AWWA C-605			
CHLORINATION/BACTERIA	N/A	2 Consecutive Passing Tests, 24 Hours Apart	AWWA C-651	CITY OF LEWISTON		
4. SEWER MAINS						
PVC Sewer Main	PVC, SDR35	N/A	ASTM 3034			
ALIGNMENT AND GRADE	N/A	Per Plan	N/A			
JOINTS (Deflection/Proper Pipe Embedment)	N/A	Each Joint	Per Manufacturers' Instructions			
MANHOLES	Concrete	Each Joint	Hydrostatic Test			
PRESSURE TEST	N/A	Between Access Holes	4 PSI for 15 Minutes, 1/2 PSI Drop			
VIDEO INSPECTION	N/A	Between Access Holes	No Perforations, Dents, or Dimples >0.02			
5. CONCRETE CURB, GUTTER, AND SIDEWALK						
CONCRETE	3500 PSI Concrete w/WRA and ASA	Strength, Slump, Air & Cylinders, 1 Test/50 CY or Min 1 Test Daily	ASHTO T-22, T-23, T-119, T-152, T-309, & WACOT TM-2			
ALIGNMENT AND GRADE	N/A	Per 10' Section	±0.02' from Design Grade/Alignment			
JOINTS/FLATNESS/STRAIGHTNESS	N/A	Per 10' Section	±0.02' /10' Segment			
FINISH	N/A	All	Flooded, Uniform, Light Broom Finish			
6. ASPHALTIC CONCRETE PAVING						
Hot Mix Asphalt	ITD Class # (3/4" or 1/2") App'd Mix Design		ITD Spec. Sec 405			
Aggregate	Per ITD Spec/App'd Mix Design	1/750 Ton, Min 1 Test	ITD Spec. Sec 703			
Density	92% of Rice Density/App'd Mix Design	1/500 LF, Min 2 Tests	ASTM D-1556			
7. Erosion & Sediment Controls	Per Plan	1/Wk. of After Every Rainfall	Per Plan and Manufacturers' Instructions			
8. Traffic control	Per Plan	Continuous	MUTCD/ATSSA			
9. Record Drawings	AutoCAD Elect File, Bond Paper, 22" x 34" Min size	Before Public Improvements Accepted	City Checklist			