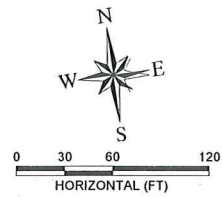
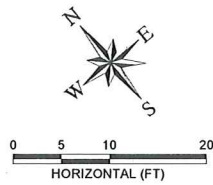
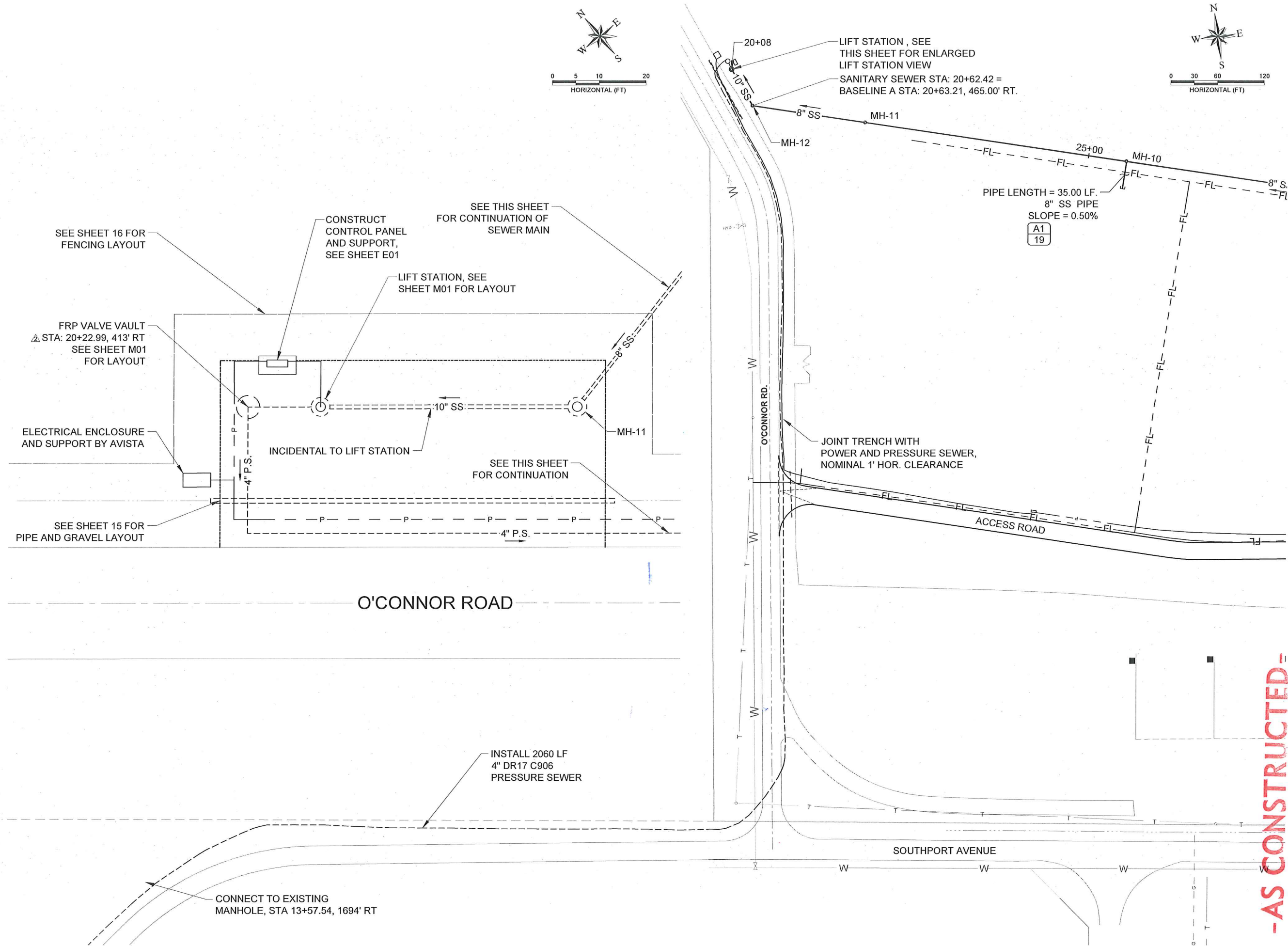


E:\PROJECTS\1057 SOUTHIDE INDUS. AIRPARK\CADD\CIVIL 3D\DRAWINGS\1057-SMUTL.DWG



77 Southway, Suite C
Lewiston, Id. 83501
Phone: (208) 743-3818
Fax: (208) 743-3819

RIEDESEL
Engineering

THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICES, IS THE PROPERTY OF RIEDESEL ENGINEERING, INC. AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT, OR THE EXTENSION OF THIS PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF RIEDESEL ENGINEERING, INC.

LEWISTON - NEZ PERCE COUNTY
SOUTHIDE INDUSTRIAL AIR PARK
EDA GRANT # 07-01-06054

LIFT STATION - PLAN VIEW

REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	11/20/10	SM	WATER MAINS MODIFIED
2	06/29/2012	SM	ASBUILT LIFT STATION LOCATION
3			
4			
5			
6			

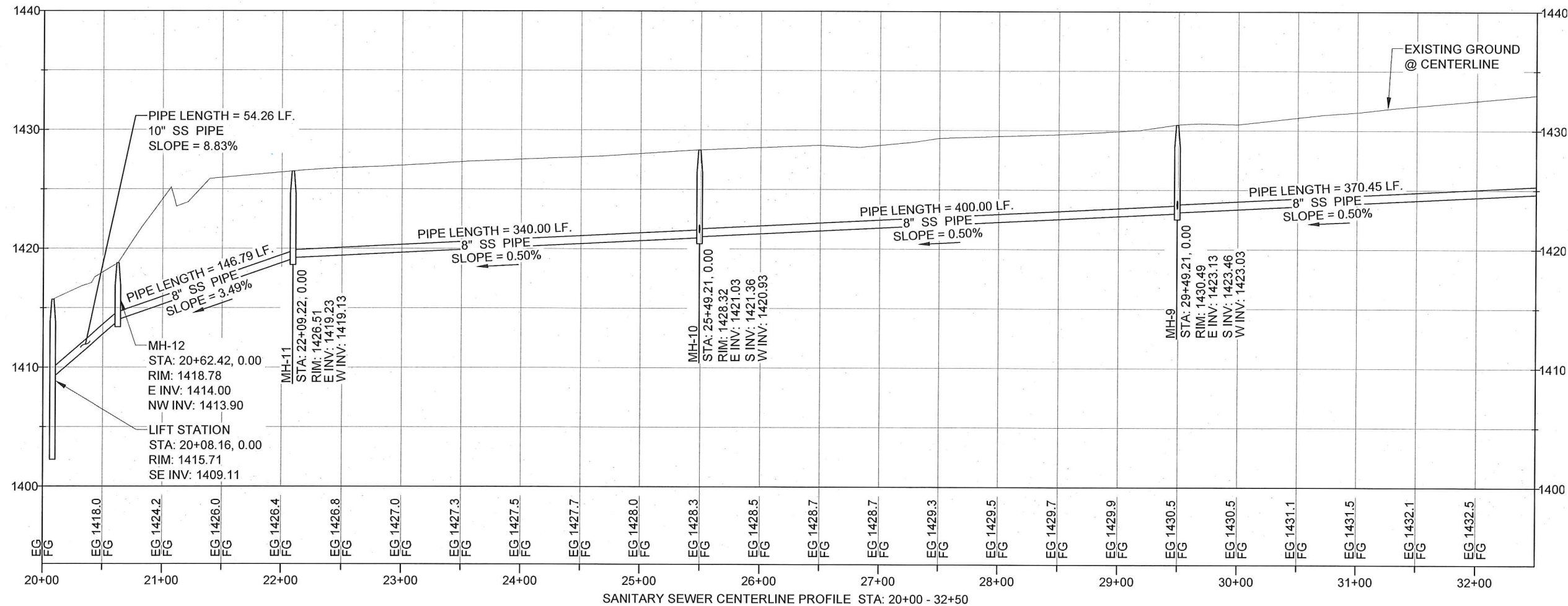
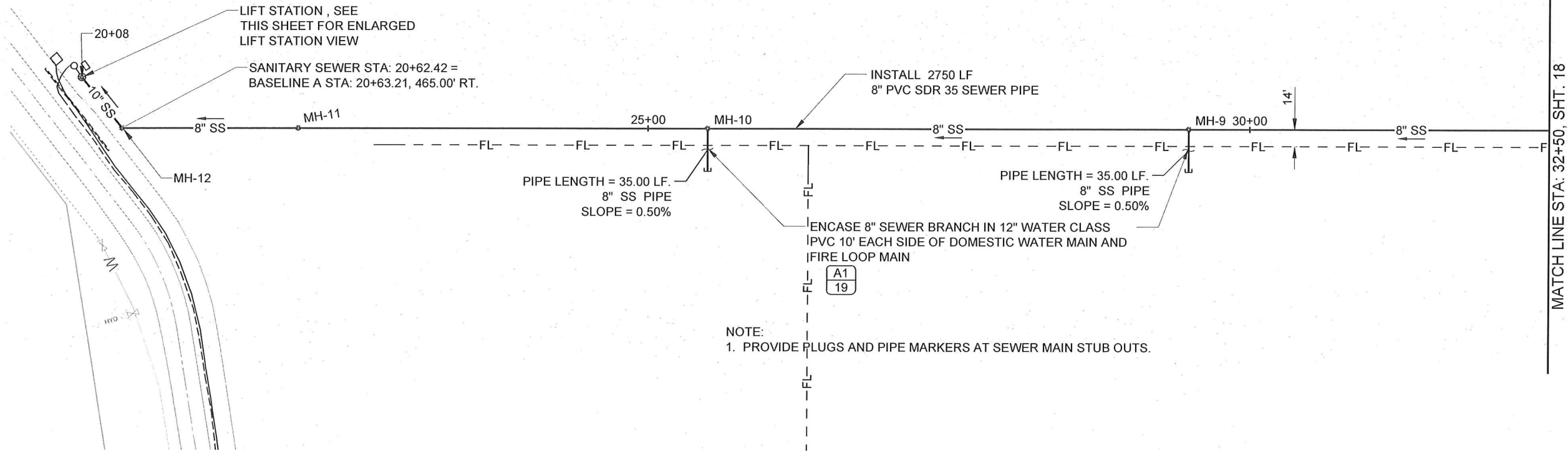
DESIGNED	DESIGN CHECKED	DETAILED	DRAWING CHECKED
TSM	JRW, MKA	TSM	JRW, MKA

FILE NAME: 1057-SMUTL.dwg
DRAWING DATE: 9/10/12
DRAWING SCALE: AS SHOWN

PROFESSIONAL ENGINEER
REGISTERED
10371
9/10/12
STATE OF IDAHO
SCOTT MACEY

SHEET 16 OF 27

E:\PROJECTS\1057 SOUTHIDE INDUS. AIRPARK\CADD\CIVIL 3D\DRAWINGS\1057-SMUTL.DWG



-AS CONSTRUCTED-

RIEDEL
Engineering

77 Southway, Suite C
Lewiston, Id. 83501
Phone: (208) 743-3818
Fax: (208) 743-3819

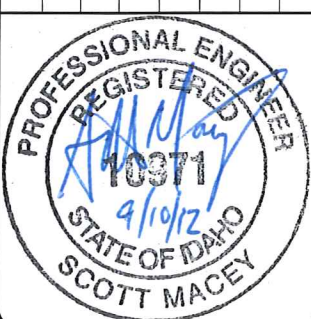
THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICES, IS THE PROPERTY OF RIEDESEL ENGINEERING, INC. AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT, OR THE EXTENSION OF THIS PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF RIEDESEL ENGINEERING, INC.



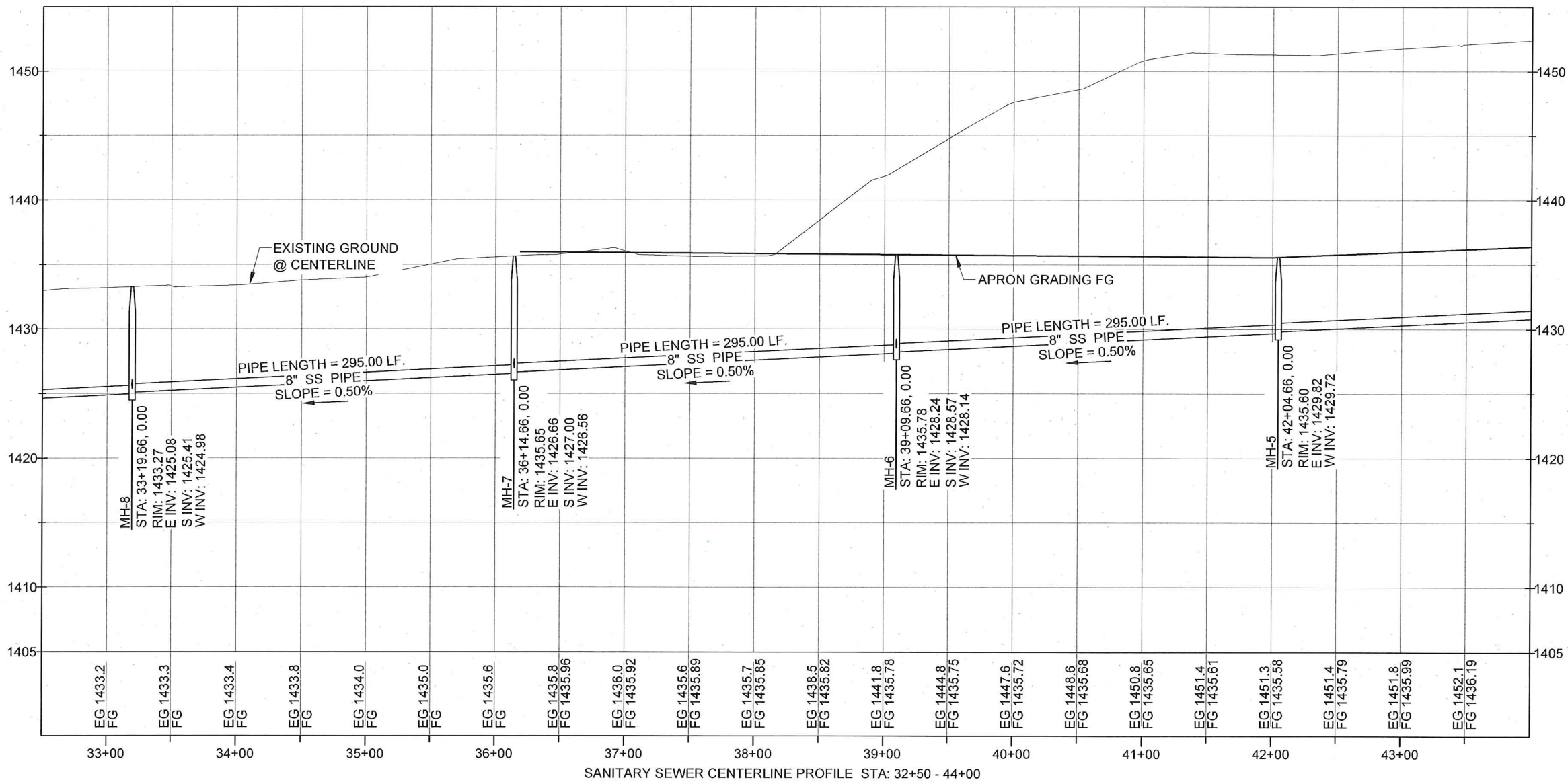
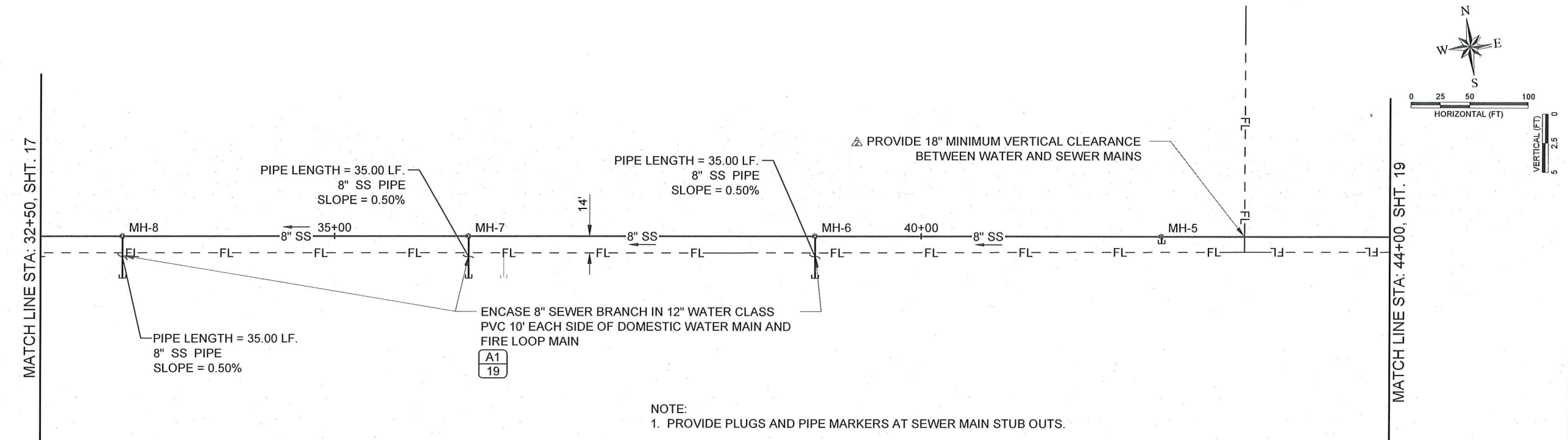
LEWISTON - NEZ PERCE COUNTY
SOUTHIDE INDUSTRIAL AIR PARK
EDA GRANT # 07-01-06054

SANITARY SEWER - STA. 21+00.00-32+50.00

DESIGNED		DESIGN CHECKED		DETAILED		DRAWING CHECKED		FILE NAME		DRAWING DATE		DRAWING SCALE		AS SHOWN		SHEET 17 OF 27	
NO.	DATE	BY	SM	NO.	DATE	BY	SM	NO.	DATE	BY	SM	NO.	DATE	BY	SM	NO.	DATE
1	11/20/10	SM	SM	1	11/20/10	SM	SM	1	1057-SMUTL.dwg	9/10/12	SM	1	AS SHOWN	SM	SM	1	9/10/12



SCOTT MACEY



-AS CONSTRUCTED-

RIEDEL
Engineering

77 Southway, Suite C
Lewiston, Id. 83501
Phone: (208) 743-3818
Fax: (208) 743-3819

THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICES, IS THE PROPERTY OF RIEDESEL ENGINEERING, INC. AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT, OR THE EXTENSION OF THIS PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF RIEDESEL ENGINEERING, INC.

CITY OF LEWISTON
1861

LEWISTON - NEZ PERCE COUNTY
SOUTHIDE INDUSTRIAL AIR PARK
EDA GRANT # 07-01-06054

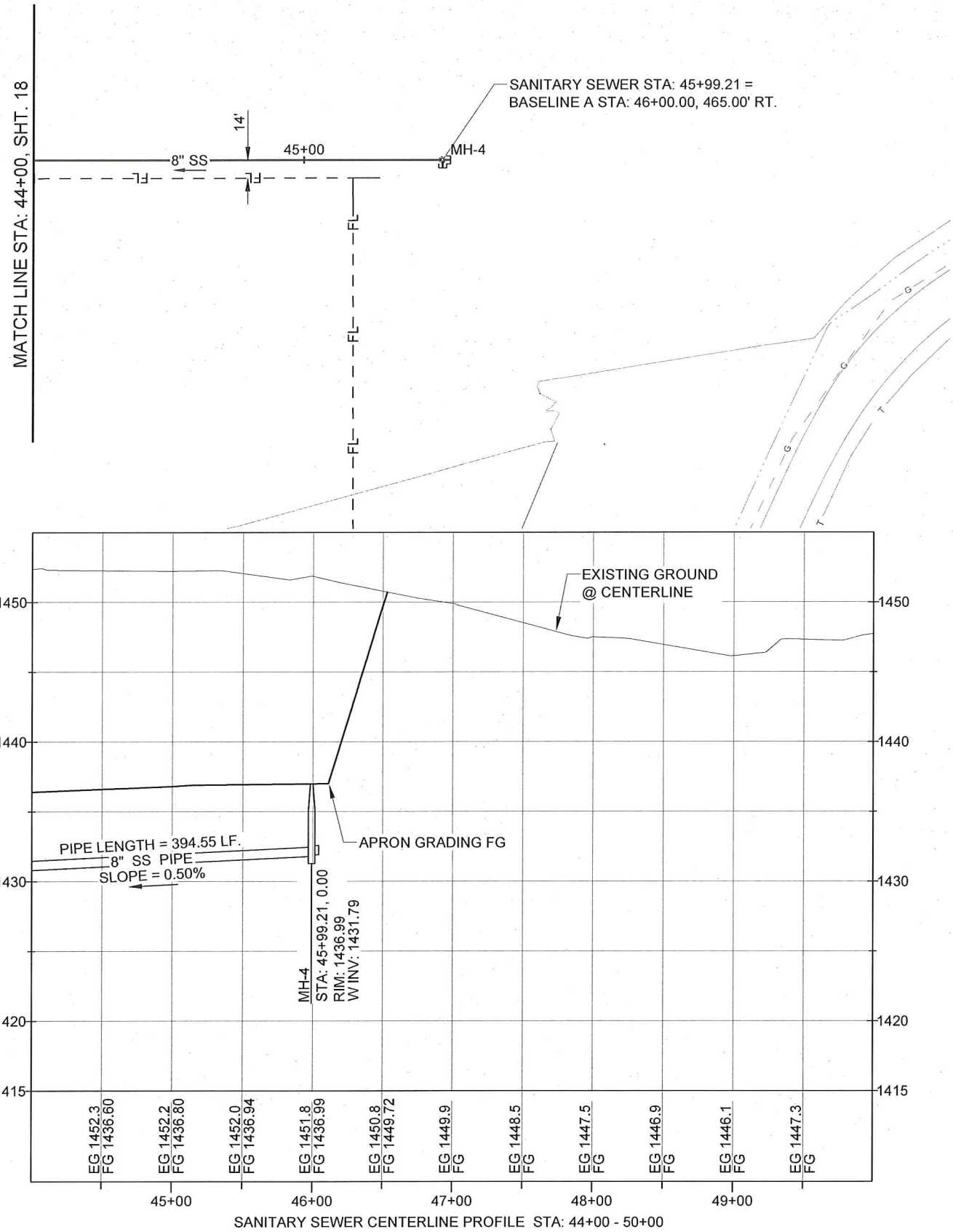
SANITARY SEWER - STA. 32+50.00-44+00.00

NO.	DATE	BY	DESCRIPTION
1	11/20/10	SM	WATER MAINS MODIFIED
2	06-29-2012	SM	ANNOTATE CROSSING DETAIL
3			
4			
5			

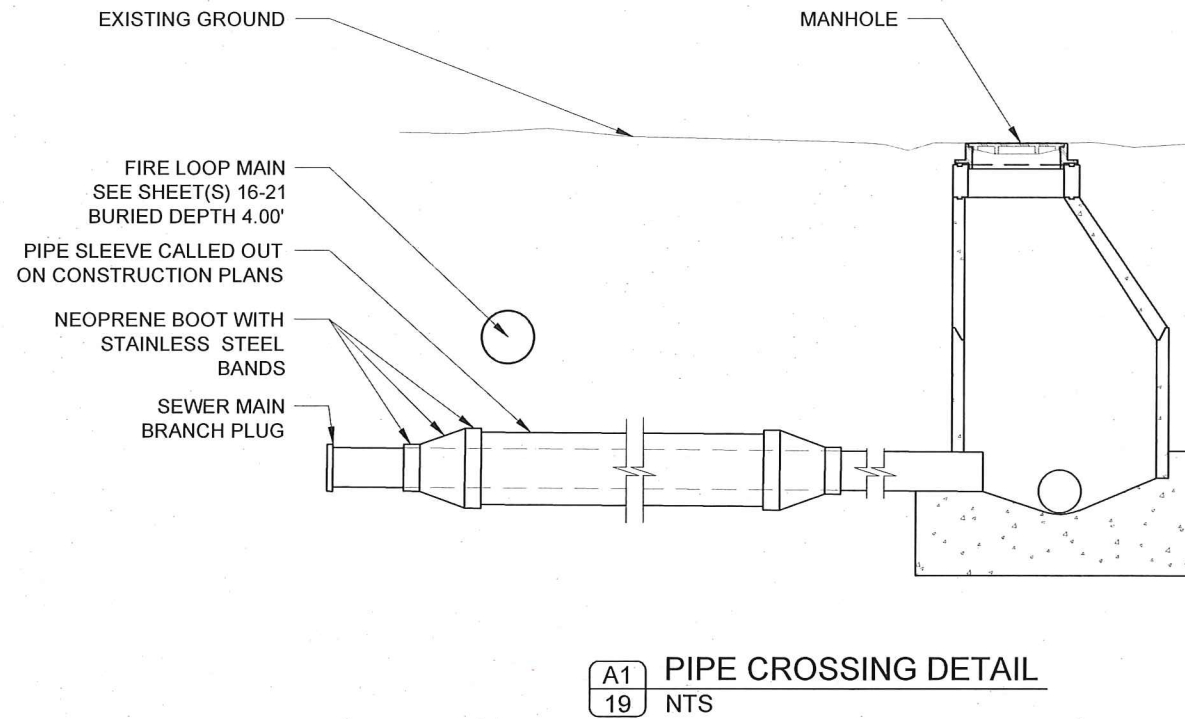
DESIGNED	FILE NAME	DRAWING DATE	DRAWING SCALE	AS SHOWN	SHEET	OF
TSM	1057-SMUTL.dwg	9/10/12	AS SHOWN		18	27

PROFESSIONAL ENGINEER
REGISTERED
10071
9/10/12
STATE OF IDAHO
SCOTT MACEY

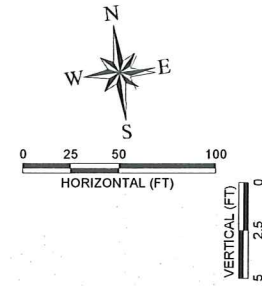
E:\PROJECTS\1057 SOUTHSIDE INDUS. AIRPARK\ACADD\CIVIL 3D\DRAWINGS\1057-SMUTL.DWG



NOTE:
1. PROVIDE PLUGS AND PIPE MARKERS AT SEWER MAIN STUB OUTS.



NOTE:
SEWER MAIN PIPE SLEEVE NOT REQUIRED IF 18" VERT. SEPERATION O.D. TO O.D.
IS MAINTAINED. SEE ISPWC STANDARD DETAIL SD-407.



LEWISTON - NEZ PERCE COUNTY
SOUTHSIDE INDUSTRIAL AIR PARK
EDA GRANT # 07-01-06054

SANITARY SEWER - STA_ 44+00.00-56+00.00

DESIGNED		DESIGN CHECKED		DETAILED		DRAWING CHECKED		FILE NAME		DRAWING DATE		DRAWING SCALE		SHEET	
TSM	JRW	JRW	MKA	TSM	JRW	MKA	TSM	JRW	MKA	1057-SMUTL.dwg	9/10/12	AS SHOWN	19	OF 27	
REVISIONS															
NO.	DATE	BY	SM	DESCRIPTION											
1	11/2010	SM		WATER MAINS MODIFIED											
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															

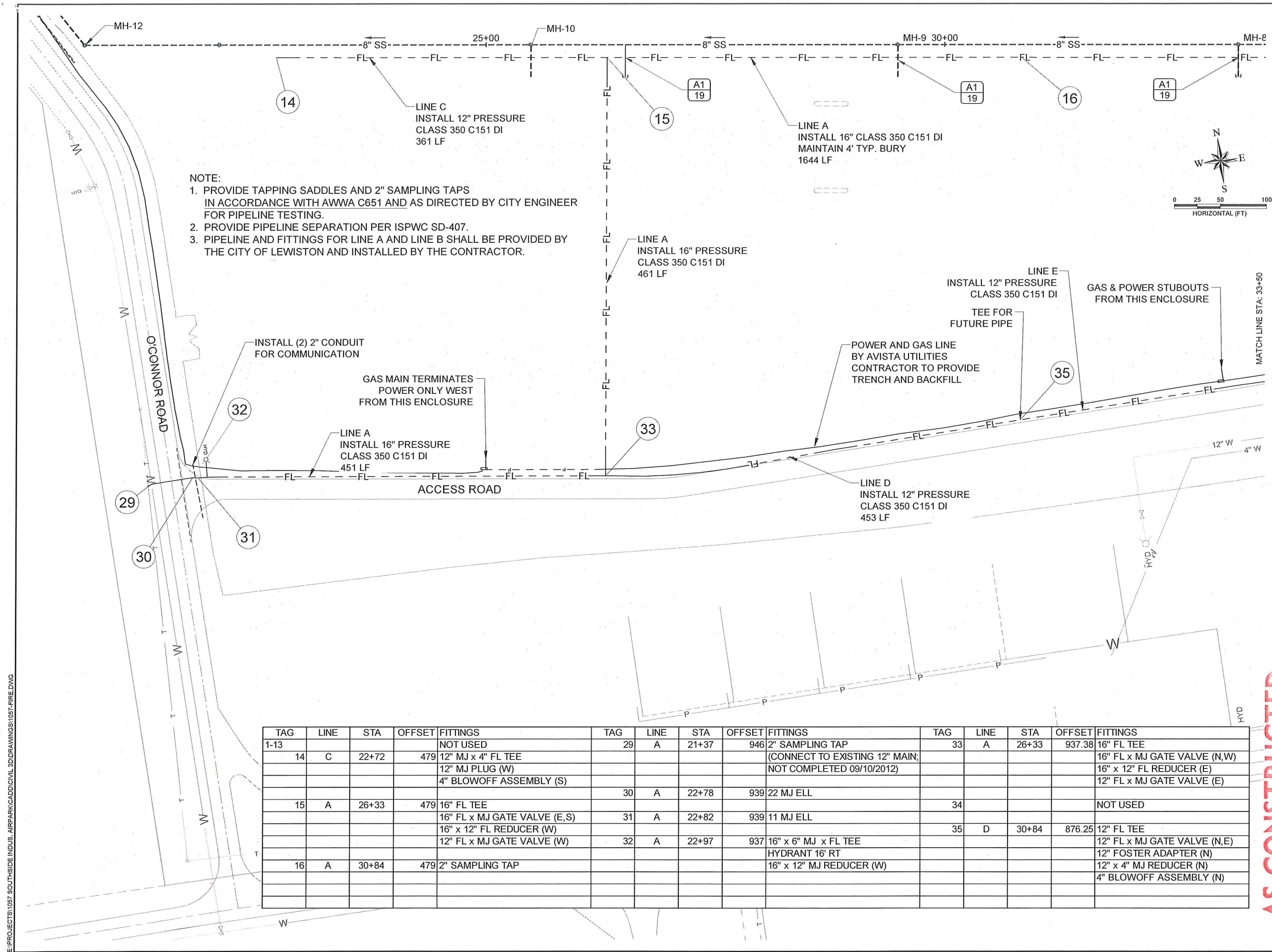
PROFESSIONAL ENGINEER
REGISTERED
10077
9/10/12
STATE OF IDAHO
SCOTT MACEY

77 Southway, Suite C
Lewiston, Id. 83501
Phone: (208) 743-3818
Fax: (208) 743-3819

RIEDEL
Engineering

THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED
HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICES, IS
THE PROPERTY OF RIEDESEL ENGINEERING, INC. AND IS NOT TO
BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT, OR
THE EXTENSION OF THIS PROJECT WITHOUT THE WRITTEN
AUTHORIZATION OF RIEDESEL ENGINEERING, INC.

CITY OF LEWISTON
1861



- AS CONSTRUCTED

77 Southway, Suite C
Lewiston, Id. 83501
Phone: (208) 743-3818
Fax: (208) 743-3819



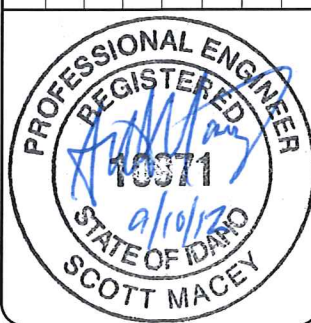
THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICES, IS THE PROPERTY OF RIEDESEL ENGINEERING, INC. AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT, OR THE EXTENSION OF THIS PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF RIEDESEL ENGINEERING, INC.

LEWISTON - NEZ PERCE COUNTY
SOUTHSIDE INDUSTRIAL AIR PARK
EDA GRANT # 07-01-06054

DOMESTIC WATER AND FIRE LINES.

REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	11/20/10	SM	WATER MAINS MODIFIED
2	06-23-2012	SM	APPENDIX AND WATER MAIN CHANGES
3	09-10-2012	SM	ANNOTATE FUTURE PLANNED WORK BY CITY
4	—	—	—
5	—	—	—
6	—	—	—

DESIGNED	
TSM	
DESIGN CHECKED	
JRW, MKA	
DETAILED	
TSM	
DRAWING CHECKED	
JRW, MKA	
FILE NAME	
1057-FIRE.dwg	
DRAWING DATE	
9/10/12	
DRAWING SCALE	
AS SHOWN	
SHEET	20 OF 27



1. PROVIDE TAPPING SADDLES AND 2" SAMPLING TAPS IN ACCORDANCE WITH AWWA C651 AND AS DIRECTED BY CITY ENGINEER FOR PIPELINE TESTING.
2. PROVIDE PIPELINE SEPARATION PER ISPWC SD-407.
3. FILL NEW MAINS FROM TEMPORARY BLOWOFF ASSEMBLY ON EXISTING 6" WATER MAIN.
4. PIPELINE AND FITTINGS FOR LINE A AND LINE B SHALL BE PROVIDED BY THE CITY OF LEWISTON AND INSTALLED BY THE CONTRACTOR.
5. EXISTING 12" AND 6" DUCTILE IRON PIPES BETWEEN VALVES AT STA 34+80 AND CONNECTIONS TO EXISTING PIPES AT 42+77 SHALL BE REMOVED AND ISSUED TO THE OWNER. REMOVED PIPELINE MATERIALS SHALL BE PLACED AS DIRECTED BY THE ENGINEER AT STA 44+00, 1000' R (ADJACENT TO THE NORTHWEST CORNER OF THE INTERSECTION OF THE SOUTH ACCESS ROAD AND SOUTHPORT AVENUE.)



A circular professional engineer seal for the State of Idaho. The outer ring contains the text "PROFESSIONAL ENGINEER" at the top and "SCOTT MACEY" at the bottom. The inner ring contains "REGISTERED" at the top and "STATE OF IDAHO" at the bottom. In the center, the license number "19371" is printed, with the expiration date "9/16/12" written below it. A blue ink signature is scrawled across the center of the seal.

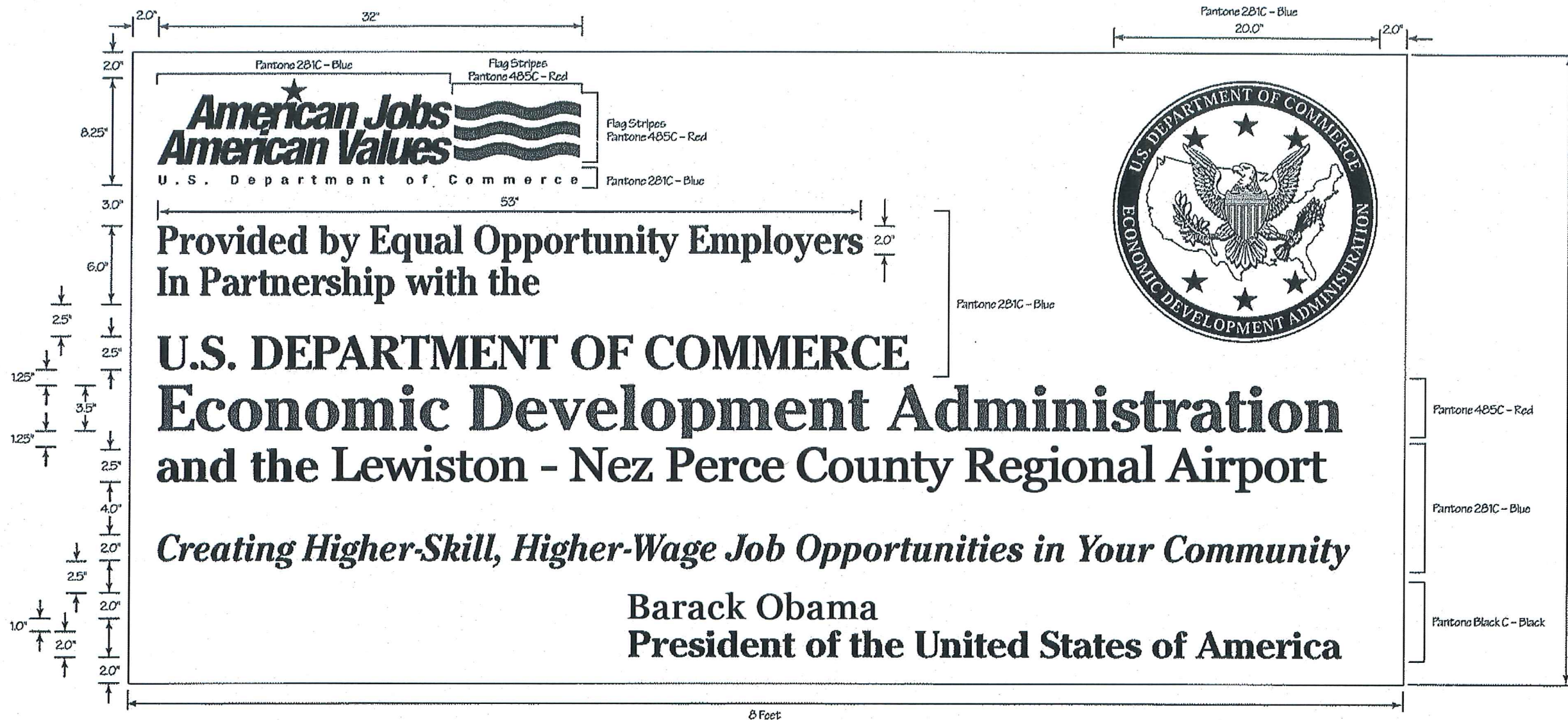
REVISIONS		
E	BY	DESCRIPTION
10	SM	WATER MAINS MODIFIED
012	SM	APPENDIA AND WATER MAIN CHANGES



The seal of the City of Lewiston, Maine, is a circular emblem. It features a central shield divided into three vertical sections: a blue section on the left with a white cloud, a red section in the middle, and a green section on the right with a white tree. The shield is flanked by two white banners. The top banner contains the text "CITY OF LEWISTON" and the bottom banner contains the text "1861".

THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED
HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICES, IS
THE PROPERTY OF RIEDESEL ENGINEERING, INC. AND IS NOT TO
BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT, OR
THE EXTENSION OF THIS PROJECT WITHOUT THE WRITTEN
AUTHORIZATION OF RIEDESEL ENGINEERING, INC.

77 Southway, Suite C
Lewiston, Id. 83501
Phone: (208) 743-3818
Fax: (208) 743-3819



AA EDA SIGN DETAIL
22 N.T.S.

-AS CONSTRUCTED-

RIEDELSE
Engineering

77 Southway, Suite C
Lewiston, Id. 83501
Phone: (208) 743-3818
Fax: (208) 743-3819

THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICES, IS THE PROPERTY OF RIEDESEL ENGINEERING, INC. AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT, OR THE EXTENSION OF THIS PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF RIEDESEL ENGINEERING, INC.



LEWISTON - NEZ PERCE COUNTY
SOUTHSIDE INDUSTRIAL AIR PARK
EDA GRANT # 07-01-06054

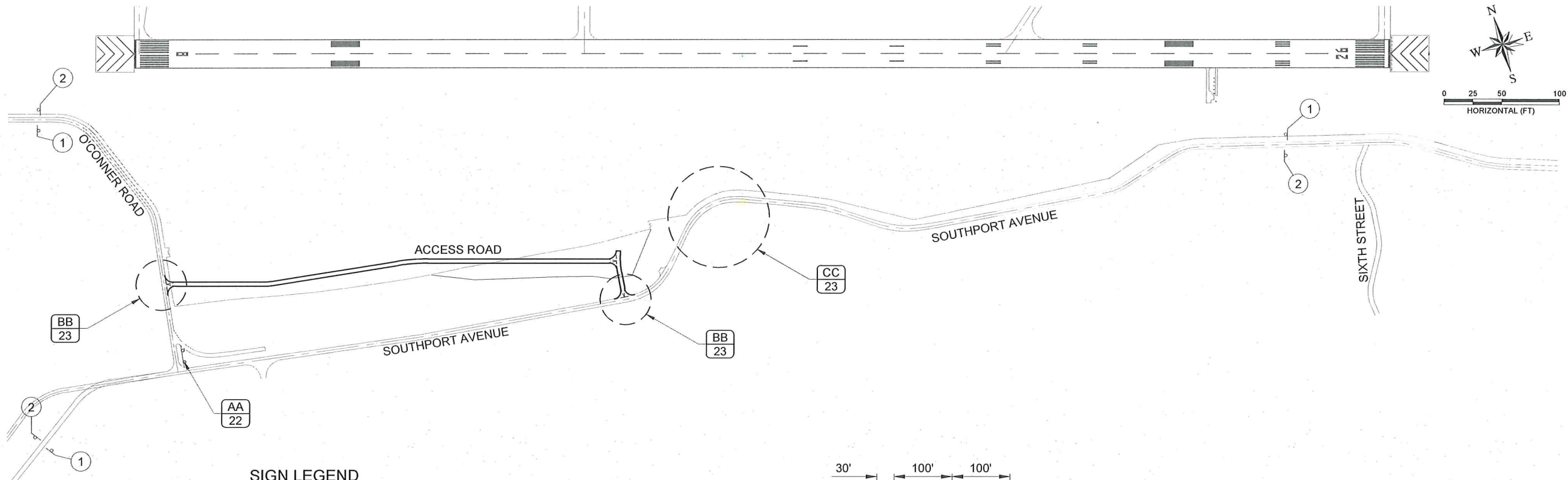
DESIGNED		DESIGN CHECKED		FILE NAME		DRAWING DATE		DRAWING SCALE		SHEET	
TSM	JRW, MKA	TSM	JRW, MKA	1057-TRAFFIC CONTROL.dwg	9/10/12	AS SHOWN	22	OF	27		

TRAFFIC CONTROL DETAILS

REVISIONS		DESCRIPTION	
NO.	DATE	BY	DESCRIPTION
1	12-10-2010	GMF	REPRINTED & STAMPED



E:\PROJECTS\1057 SOUTHIDE INDUS. AIRPARK\CADD\CIVIL 3D\DRAWINGS\1057-TRAFFIC CONTROL.DWG



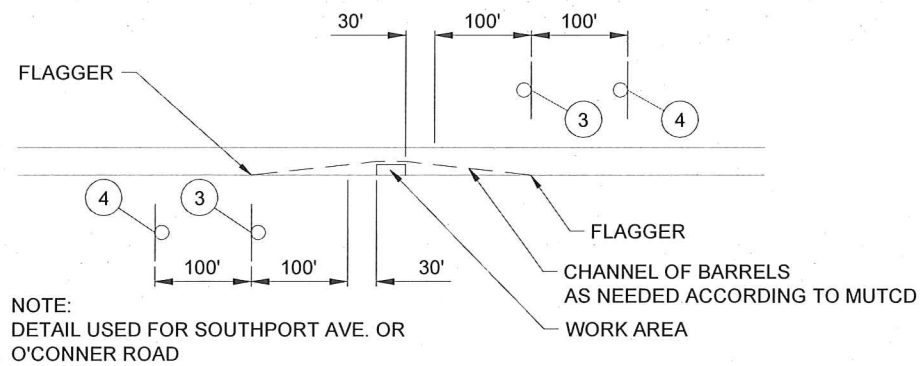
SIGN LEGEND

	DESCRIPTION	ITD SIGN NUMBER	QUANTITY	S.F.
1	ROAD WORK AHEAD	W21-48 - 48"x48"	3	48
2	END ROAD WORK	G20-3 - 48"x24"	3	24
3	FLAGGER SYMBOL	W20-7B - 48"x48"	4	48
4	BE PREPARED TO STOP	W20-9B - 48"x48"	4	48
5	TRUCK CROSSING	W11-602B - 48"x48"	2	32

1103.4.1.A.1	CONSTRUCTION TRAFFIC CONTROL	1	-	LS
1103.4.1.B.1	TRAFFIC CONTROL SIGNS	200	-	SF
1103.4.1.D.1	TRAFFIC CONTROL DRUMS	30	-	EA

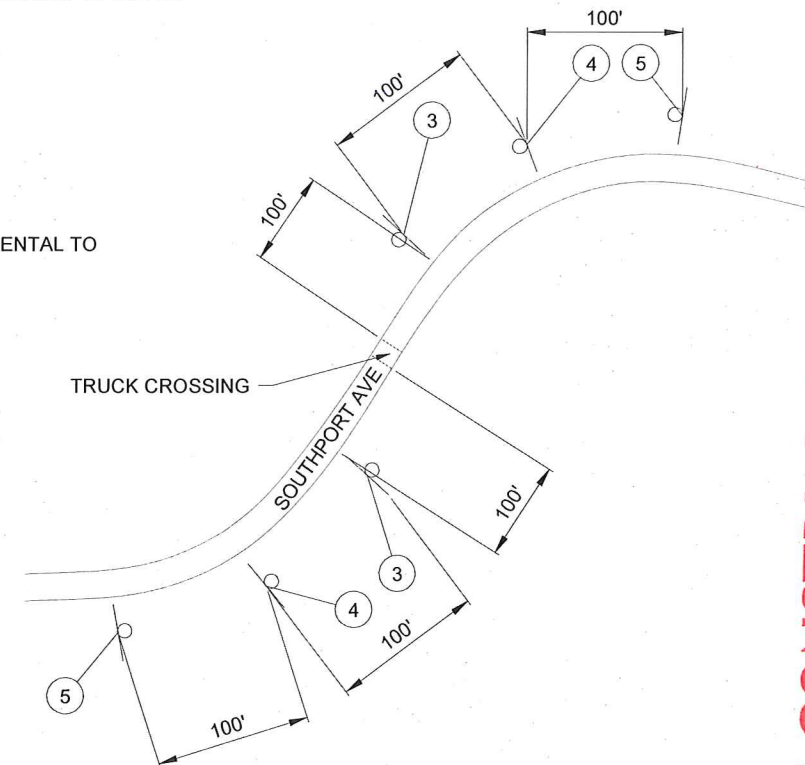
NOTES

- ALL TAPER SHALL MEET OR EXCEED THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AS ADOPTED BY THE STATE.
- ALL CONSTRUCTION SIGNING SHALL MEET OR EXCEED THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AS ADOPTED BY THE STATE.
- IF THE TRAFFIC CONTROL PLAN, AS SHOWN, DOES NOT CONFORM TO THE CONTRACTOR'S METHOD OF OPERATION, THE CONTRACTOR SHALL SUBMIT A NEW TRAFFIC CONTROL PLAN FOR APPROVAL.
- ALL DISTANCES BETWEEN SIGNS ARE MINIMUM AND MAY REQUIRE SPACING ADJUSTMENTS IN THE FIELD DEPENDING ON PREVAILING CONDITIONS.
- ADDITIONAL SIGNING MAY BE REQUIRED AS DIRECTED BY THE ENGINEER.
- FLAGGERS SHALL BE EQUIPPED WITH RADIOS AND BATTERIES.
- TEMPORARY ILLUMINATION SHALL BE USED WHILE FLAGGERS ARE PRESENT IF CONTRACTOR ELECTS TO WORK DURING NON-DAYLIGHT HOURS.
- THE CONTRACTOR SHALL CROSS SOUTHPORT AVENUE IN ONLY ONE LOCATION FOR THE EMBANKMENT HAUL ROUTE. OVER WEIGHT LOADS AND OFF ROAD EQUIPMENT WILL BE ALLOWED ONLY AT THIS CROSSING. A FLAGGER WILL BE REQUIRED TO DIRECT TRAFFIC DURING THE HAUL ROUTE OPERATIONS. THE CONTRACTOR SHALL SAWCUT AND REMOVE THE FULL WIDTH OF THE SOUTHPORT AVENUE PAVEMENT AT THE CROSSING AND NEZ PERCE COUNTY ROAD DEPARTMENT WILL REPAIR AND RESTORE THE AGGREGATE BASE. THE CONTRACTOR SHALL RESTORE THE PAVEMENT SURFACE IN ACCORDANCE WITH SPECIFICATIONS. (810.4.1.A.1) MATCH EXISTING PAVEMENT DEPTH. THE CONTRACTOR SHALL KEEP THE ROAD IN GOOD CONDITION DURING THE PROJECT AND REPAIR INTERMITTENTLY AS NEEDED FOR SOUTHPORT AVENUE TRAFFIC.



BB ONE LANE ROAD DETAIL
N.T.S.

9. TRAFFIC CONTROL FLAGGER SHALL BE CONSIDERED INCIDENTAL TO 1103.4.1.A.1 CONSTRUCTION TRAFFIC CONTROL.



CC TRUCK CROSSING DETAIL
N.T.S.

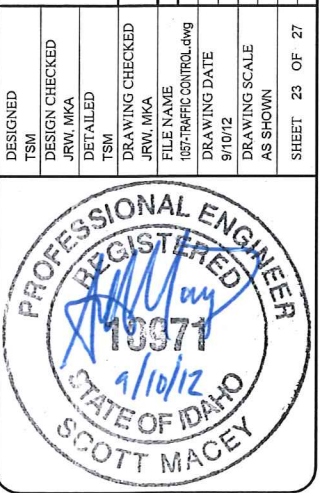
-AS CONSTRUCTED-

LEWISTON - NEZ PERCE COUNTY
SOUTHSIDE INDUSTRIAL AIR PARK
EDA GRANT # 07-01-06054

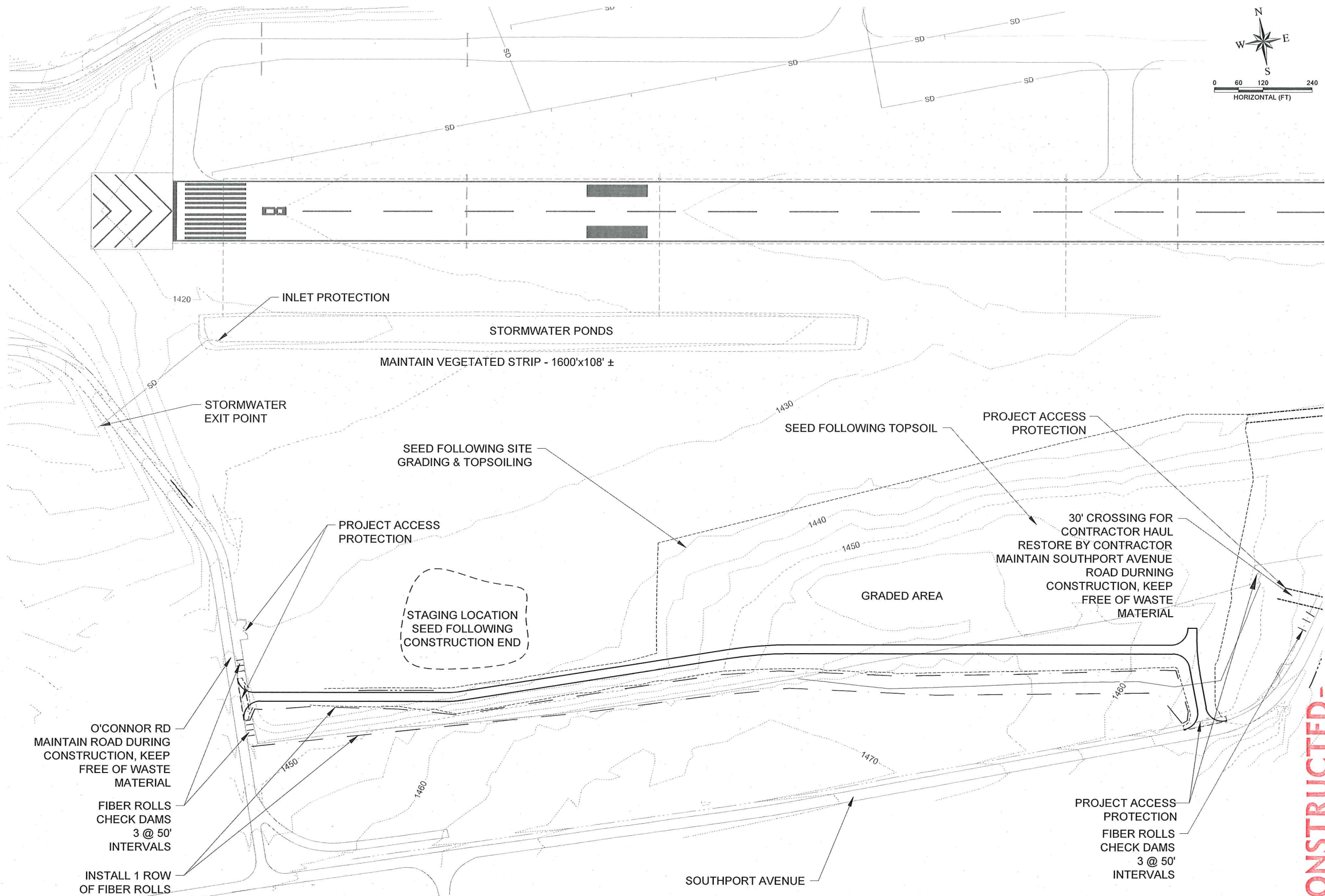
77 Southway, Suite C
Lewiston, Id. 83501
Phone: (208) 743-3818
Fax: (208) 743-3819



THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICES, IS THE PROPERTY OF RIEDESEL ENGINEERING, INC. AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT, OR THE EXTENSION OF THIS PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF RIEDESEL ENGINEERING, INC.

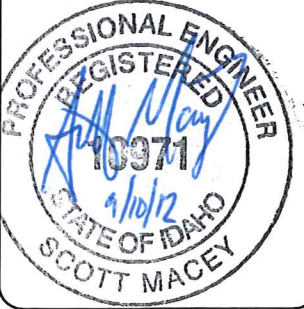


E:\PROJECTS\1057 SOUTHSIDE INDUS. AIRPARK\CADD\CIVIL 3D\DRAWINGS\1057-SWPPP.DWG



NOTE:
1. HAUL ROUTES SHALL BE WATERED TO PREVENT DUST.

-AS CONSTRUCTED-



DESIGNED				REVISIONS			
TSM	DESIGN CHECKED	JRW, MKA	DETAILED	NO.	DATE	BY	DESCRIPTION
TSM	DRAWING CHECKED	JRW, MKA		1	12-10-2010	GMF	REPRINTED & STAMPED
	FILE NAME	1057-SWPPP.dwg					
	DRAWING DATE	9/10/12					
	DRAWING SCALE	AS SHOWN					
	SHEET	24	OF	27			

LEWISTON - NEZ PERCE COUNTY
SOUTHSIDE INDUSTRIAL AIR PARK
EDA GRANT # 07-01-06054

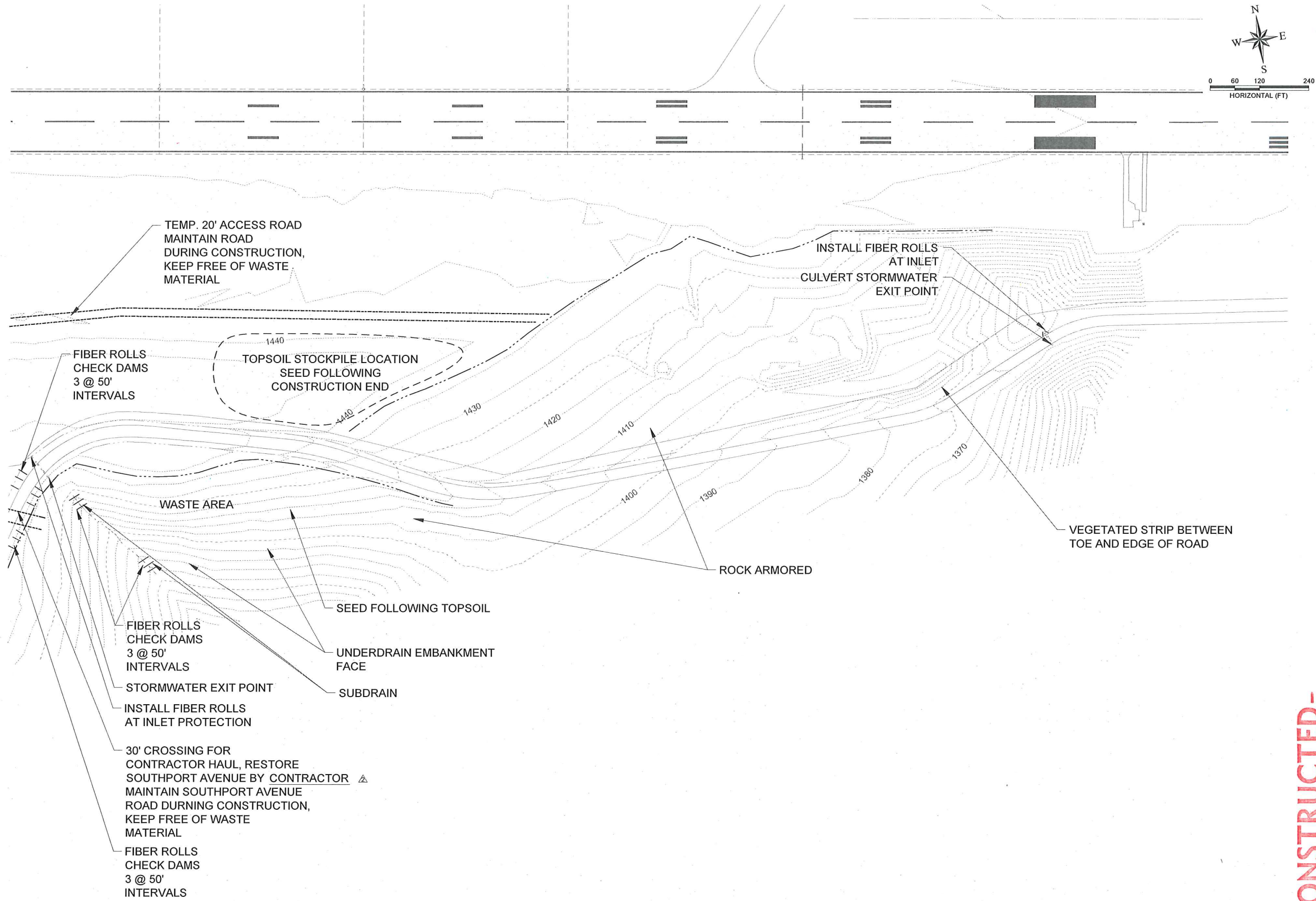


77 Southway, Suite C
Lewiston, Id. 83501
Phone: (208) 743-3818
Fax: (208) 743-3819



THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICES, IS THE PROPERTY OF RIEDEL ENGINEERING, INC. AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT, OR THE EXTENSION OF THIS PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF RIEDEL ENGINEERING, INC.

E:\PROJECTS\1057 SOUTH SIDE INDUS. AIRPARK\CADD\CIVIL 3D\DRAWINGS\1057-SWPPP.DWG



-AS CONSTRUCTED-



DESIGNED	TSM
DESIGN CHECKED	JRW, MKA
DETAILED	TSM
DRAWING CHECKED	JRW, MKA
FILE NAME	1057-SWPPP.dwg
DRAWING DATE	9/10/12
DRAWING SCALE	AS SHOWN
SHEET	25 OF 27

LEWISTON - NEZ PERCE COUNTY
SOUTHSIDE INDUSTRIAL AIR PARK
EDA GRANT # 07-01-06054

SWPPP PLAN

REVISIONS				DESCRIPTION	
NO.	DATE	BY	CMF	REPRINTED & STAMPED	
1	12-10-2010	JRW	SM	NOTES FROM ADDENDA ADDED	
2	06-29-2012	JRW	SM		
3		JRW	SM		
4		JRW	SM		
5		JRW	SM		
6		JRW	SM		

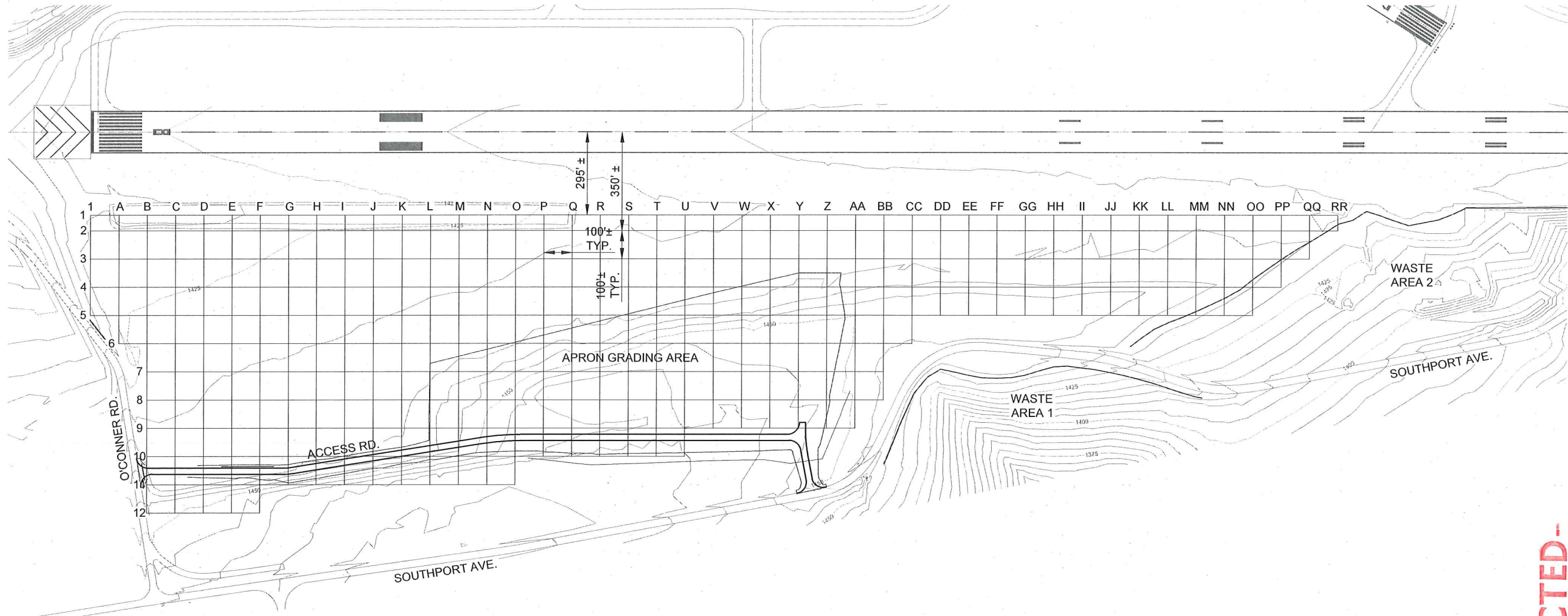
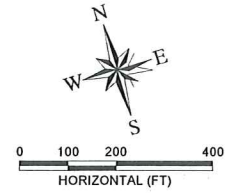


77 Southway, Suite C
Lewiston, Id. 83501
Phone: (208) 743-3818
Fax: (208) 743-3819

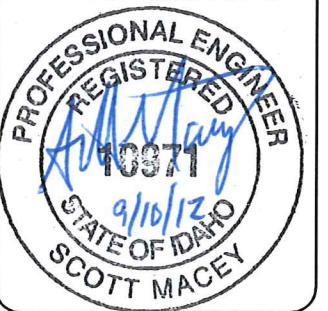
THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICES, IS THE PROPERTY OF RIEDESEL ENGINEERING, INC. AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT, OR THE EXTENSION OF THIS PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF RIEDESEL ENGINEERING, INC.

NOTE:

1. SEE PART 77 DRILL HOLE LOG (NEXT SHEET) FOR EXISTING GROUND SHOTS AND ROCK DEPTHS. THE DRILL HOLE LOG WAS DERIVED FROM THE SUPPLEMENTAL TEST HOLE REPORT FOR THE LEWISTON - NEZ PERCE COUNTY REGIONAL AIRPORT RUNWAY SAFETY AREA EXTENSION PROJECT AIP 3-16-0022-16 & 17. THE ELEVATIONS AND DEPTHS SHOWN THEREON ARE PRIOR TO THE EXCAVATION OF THE PART 77 OBSTRUCTION REMOVAL AREA AND CONSTRUCTION OF THE RUNWAY SAFETY AREA EXTENSION PROJECT.
2. THE CONTOUR ELEVATIONS SHOWN ON THIS MAP REPRESENT THE CURRENT CONDITIONS ON THE AIRPORT AS OF JANUARY OF 2009.



DESIGNED TSM		LEWISTON - NEZ PERCE COUNTY SOUTHSIDE INDUSTRIAL AIR PARK EDA GRANT # 07-01-06054		PART 77 AREA DRILL HOLE GRID MAP	
DESIGN CHECKED JRW, MKA	DATE 12-10-2010	BY GNF	DESCRIPTION REPRINTED & STAMPED	NO.	REVISIONS
DETAILED TSM					
DRAWING CHECKED JRW, MKA					
FILE NAME 1057-TESTHOLES.dwg					
DRAWING DATE 9/10/12					
DRAWING SCALE AS SHOWN					
SHEET 26 OF 27					





202 Falls Avenue
Twin Falls, Id. 83301
Phone: (208) 733-2446
Fax: (208) 734-2748



THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICES, IS THE PROPERTY OF RIEDESEL ENGINEERING, INC. AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT, OR THE EXTENSION OF THIS PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF RIEDESEL ENGINEERING, INC.

DRILL HOLE	ROCK ELEVATION	DEPTH TO ROCK
1-1	1416.1	4.0
1-2	1419.7	1.5
1-3	1424.1	0.5
1-4	1425.7	2.0
1-5	1427.9	1.5
A-1	1420.7	1.5
A-2	1422.5	1.0
A-3	1426.5	0.0
A-4	1428.4	3.5
A-5	1429.2	4.0
A-6	1430.8	1.0
B-1	1423.2	1.0
B-2	1418.3	7.0
B-3	1428.4	0.5
B-4	1430.7	6.0
B-5	1433.1	5.0
B-6	1434.4	4.0
B-7	1432.9	3.0
B-9	1422.2	12.0
B-10	1432.7	3.5
B-11	1435.8	6.0
B-12	1439.0	7.0
C-1	1422.9	2.0
C-2	1424.8	1.5
C-3	1428.1	1.0
C-4	1430.7	7.5
C-5	1422.3	18.0
C-6	1433.1	8.0
C-7	1436.2	4.0
C-8	no data	4.0
C-9	1429.0	9.5
C-10	1432.7	8.0
C-11	1439.2	5.5
C-12	1445.2	4.0
D-1	1425.5	1.0
D-2	1426.6	1.0
D-3	1430.1	1.0
D-4	1433.2	6.0
D-5	1434.8	7.0
D-6	1437.8	6.0
D-7	1439.5	5.0
D-8	1439.5	4.0
D-9	1439.0	3.0
D-10	1437.7	4.5
D-11	1438.6	8.0
D-12	1445.1	6.0
E-1	1426.9	2.0
E-2	1429.8	0.0
E-3	1431.7	0.0
E-4	1435.1	6.0
E-5	1429.1	15.0
E-6	1440.1	6.0
E-7	1441.5	6.0
E-8	1443.3	5.0
E-9	1444.3	4.0
E-10	1447.0	2.0

DRILL HOLE	ROCK ELEVATION	DEPTH TO ROCK
E-11	1448.1	2.0
E-12	1449.8	2.5
F-1	1425.6	1.5
F-2	1429.4	1.5
F-3	1429.5	1.5
F-4	1433.5	9.0
F-5	1437.3	8.0
F-6	1440.4	8.0
F-7	1444.4	6.0
F-8	1447.4	4.0
F-9	1447.0	5.5
F-10	1450.8	3.0
F-11	1445.9	10.0
G-1	1422.2	9.0
G-2	1430.2	2.0
G-3	1432.8	0.5
G-4	1437.0	4.0
G-5	1438.3	7.0
G-6	1437.6	12.0
G-7	1444.7	7.0
G-8	1448.5	5.0
G-9	1449.1	6.0
G-10	1453.6	4.0
G-11	1449.9	10.0
H-1	1430.0	1.5
H-2	1430.2	2.0
H-3	1436.1	2.0
H-4	1433.9	9.5
H-5	1439.9	7.0
H-6	1444.9	6.0
H-7	1449.0	4.0
H-8	1448.8	7.0
H-9	1448.9	9.0
H-10	1452.8	7.5
H-11	1455.4	7.0
I-1	1430.3	1.0
I-2	1433.9	2.0
I-3	1438.0	1.0
I-4	1437.1	9.5
I-5	1440.0	9.0
I-6	1444.7	8.0
I-7	1446.3	8.0
I-8	1447.0	10.5
I-9	1452.4	8.0
I-10	1454.9	8.0
I-11	1454.4	10.0
J-1	1430.7	1.5
J-2	1433.6	4.5
J-3	1435.1	6.0
J-4	1439.6	9.0
J-5	1439.9	10.5
J-6	1443.8	9.5
J-7	1445.4	10.0
J-8	1446.5	12.0
J-9	1454.3	8.0
J-10	1456.6	8.5

DRILL HOLE	ROCK ELEVATION	DEPTH TO ROCK
J-11	1459.0	7.0
K-1	1431.3	1.0
K-2	1437.2	3.0
K-3	1437.6	4.5
K-4	1440.0	9.0
K-5	1441.6	10.0
K-6	1445.1	9.0
K-7	1445.5	11.0
K-8	1447.2	13.0
K-9	1429.4	34.0
K-10	1456.7	9.5
K-11	1443.4	24.0
L-1	1430.7	1.0
L-2	1437.9	2.0
L-3	1436.1	6.0
L-4	1438.7	10.0
L-5	1440.2	12.0
L-6	1446.5	8.0
L-7	1448.0	9.0
L-8	1449.0	11.0
L-9	1452.7	11.0
L-10	1457.2	10.0
M-1	1431.3	1.0
M-2	1438.7	4.0
M-3	1441.6	2.5
M-4	1434.4	15.0
M-5	1445.4	8.0
M-6	1447.9	8.0
M-7	1448.1	10.0
M-8	1452.2	9.0
M-9	1452.3	12.0
M-10	1458.4	9.0
N-1	1431.9	0.0
N-2	1439.8	3.5
N-3	1441.9	4.0
N-4	1438.1	11.0
N-5	1446.2	9.0
N-6	1448.6	9.0
N-7	1450.2	10.0
N-8	1438.0	25.0
N-9	1455.7	10.0
N-10	1443.9	24.0
O-1	1433.3	0.0
O-2	1441.0	4.0
O-3	1443.9	4.5
O-4	1445.5	5.0
O-5	1450.3	7.0
O-6	1450.8	7.5
O-7	1451.5	9.5
O-8	1439.7	25.0
O-9	1455.8	10.0
O-10	1454.3	14.0
P-1	1431.8	1.5
P-2	1440.6	5.0
P-3	1444.0	6.0
P-4	1447.2	3.5

DRILL HOLE	ROCK ELEVATION	DEPTH TO ROCK
P-5	1449.3	8.5
P-6	1448.7	10.5
P-7	1452.5	9.0
P-8	1452.6	12.0
P-9	1454.0	11.0
P-10	1455.8	12.0
Q-1	1433.4	0.5
Q-2	1442.2	4.0
Q-3	1444.8	7.0
Q-4	1433.7	20.0
Q-5	1449.3	6.0
Q-6	1451.8	8.0
Q-7	1452.8	9.5
Q-8	1434.7	30.0
Q-9	1451.9	14.0
R-1	1433.7	0.0
R-2	1443.1	3.5
R-3	1444.9	8.0
R-4	1434.9	16.0
R-5	1441.2	17.0
R-6	1451.6	8.5
R-7	1454.0	8.5
R-8	1444.5	20.0
R-9	1458.6	7.5
S-1	1434.8	0.0
S-2	1441.9	5.5
S-3	1441.8	7.0
S-4	1441.3	12.0
S-5	1448.7	9.0
S-6	1452.6	7.5
S-7	1453.8	8.5
S-8	1457.0	7.5
S-9	1458.1	7.5
T-1	1435.8	0.0
T-2	1441.8	6.5
T-3	1446.1	6.0
T-4	1447.3	6.0
T-5	1450.1	8.5
T-6	1454.0	7.0
T-7	1454.2	9.0
T-8	1453.6	10.5
T-9	1458.6	6.5
U-1	1437.6	0.0
U-2	1438.1	11.0
U-3	1431.8	22.0
U-4	1441.1	13.0
U-5	1448.6	10.5
U-6	1452.3	9.0
U-7	1455.3	8.0
U-8	1456.1	7.5
U-9	1457.7	7.0
V-1	1437.7	1.0
V-2	1441.9	8.0
V-3	1431.9	22.0
V-4	1436.3	17.0
V-5	1448.8	9.5

DRILL HOLE	ROCK ELEVATION	DEPTH TO ROCK
V-6	1448.5	12.0
V-7	1452.3	10.0
V-8	1455.4	7.5
V-9	1454.0	9.5
W-1	1433.3	5.0
W-2	1439.5	11.0
W-3	1431.8	22.0
W-4	1445.9	10.0
W-5	1448.5	9.0
W-6	1451.1	9.0
W-7	1449.7	11.0
W-8	1452.7	9.0
W-9	1452.1	10.0
X-1	1437.5	1.0
X-2	1438.2	12.0
X-3	1432.4	20.0
X-4	1444.1	11.0
X-5	1446.0	11.0
X-6	1446.1	12.5
X-7	1453.5	5.5
X-8	1453.6	6.0
X-9	1452.3	7.0
Y-1	1437.2	1.0
Y-2	1437.4	12.0
Y-3	1432.7	18.0
Y-4	1446.6	7.0
Y-5	1449.3	7.0
Y-6	1450.9	5.5
Y-7	1451.9	5.0
Y-8	1451.6	5.5
Y-9	1452.1	4.0
Z-1	1438.1	1.0
Z-2	1429.1	21.0
Z-3	1442.3	9.0
Z-4	1446.7	6.5
Z-5	1449.7	5.0
Z-6	1445.8	9.0
Z-7	1449.0	5.0
Z-8	1447.8	6.0
Z-9	1449.6	3.0
AA-1	1438.8	1.0
AA-2	1440.2	6.0
AA-3	1443.7	9.0
AA-4	1448.4	5.5
AA-5	1446.7	7.0
AA-6	1445.0	7.0
AA-7	1447.0	4.0
AA-8	1446.2	3.5
AA-9	1445.9	4.5
BB-1	1437.4	1.5
BB-2	1435.6	12.0
BB-3	1445.6	8.0
BB-4	1441.4	12.0
BB-5	1447.7	4.0
BB-6	1443.2	5.0
BB-7	1439.4	6.0

DRILL HOLE	ROCK ELEVATION	DEPTH TO ROCK
BB-8	1442.7	3.0
CC-1	1437.5	2.0
CC-2	1446.6	1.0
CC-3	1445.3	8.0
CC-4	1443.6	9.0
CC-5	1446.5	4.0
CC-6	1441.5	3.0
DD-1	1437.9	2.0
DD-2	1447.4	1.0
DD-3	1446.6	6.0
DD-4	1444.4	8.0
DD-5	1447.3	3.0
EE-1	1432.5	7.0
EE-2	1443.7	5.0
EE-3	1446.5	6.0
EE-4	1444.6	8.0
EE-5	1447.9	3.0
FF-1	1418.0	21.0
FF-2	1442.9	7.0
FF-3	1447.1	6.0
FF-4	1445.4	7.0
FF-5	1447.3	3.5
GG-1	1427.8	12.0
GG-2	1444.4	6.0
GG-3	1448.0	3.0
GG-4	1446.1	6.0
GG-5	1446.1	4.0
HH-1	1438.0	4.0
HH-2	1443.6	6.0
HH-3	1446.4	4.0
HH-4	1444.9	7.0
HH-5	1445.8	3.5
II-1	1437.0	5.0
II-2	1447.2	1.0
II-3	1449.1	1.5
II-4	1447.3	4.0
II-5	1445.4	3.0
JJ-1	1440.6	0.0
JJ-2	1446.8	0.5
JJ-3	1446.8	3.0
JJ-4	1446.6	2.5
JJ-5	1443.3	3.0
KK-1	1441.4	0.0
KK-2	1446.6	0.5
KK-3	1445.6	3.0
KK-4	1445.2	1.0
KK-5	1439.8	3.5
LL-1	1441.6	0.0
LL-2	1445.9	0.5
LL-3	1442.7	1.0
LL-4	1437.6	2.0
LL-5	no data	2.0
MM-1	1442.1	0.0
MM-2	1443.7	0.5
MM-3	1443.6	1.0
MM-4	1439.4	2.5

DRILL HOLE	ROCK ELEVATION	DEPTH TO ROCK
MM-5	1434.2	2.0
NN-1	1441.1	0.0
NN-2	1441.1	1.0
NN-3	1440.6	1.0
NN-4	1434.8	3.5
NN-5	1430.7	2.0
OO-1	1439.6	0.0
OO-2	1440.5	0.0
OO-3	1436.6	3.0
OO-4	1430.6	4.0
OO-5	1424.5	4.0
PP-1	1437.9	0.0
PP-2	1437.4	1.0
PP-3	1433.6	2.5
PP-4	1425.6	4.5
QQ-1	1436.1	0.0
QQ-2	1436.2	1.0
QQ-3	1427.7	4.0
RR-1	1435.2	0.0
RR-2	1431.1	2.5

NOTE:

1. THIS DRILL HOLE LOG WAS DERIVED FROM THE SUPPLEMENTAL TEST HOLE REPORT FOR THE LEWISTON - NEZ PERCE COUNTY REGIONAL AIRPORT RUNWAY SAFETY AREA EXTENSION PROJECT AIP 3-16-0022-16 & 17. THE ELEVATIONS AND DEPTHS SHOWN HEREON ARE PRIOR TO THE EXCAVATION OF THE PART 77 OBSTRUCTION REMOVAL AREA AND CONSTRUCTION OF THE RUNWAY SAFETY AREA EXTENSION PROJECT.
2. THE INDICATED DEPTH TO ROCK REFLECTS THE DEPTH OF SOIL MATERIALS ABOVE ROCK STRATUM OBSERVED IN THE SUPPLEMENTAL TEST HOLE DATA. ⚠

-AS CONSTRUCTED-

202 Falls Avenue
Twin Falls, Id. 83301
Phone: (208) 733-2446
Fax: (208) 734-2748

RIEDESEL
Engineering

THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICES, IS THE PROPERTY OF RIEDESEL ENGINEERING, INC. AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT, OR THE EXTENSION OF THIS PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF RIEDESEL ENGINEERING, INC.



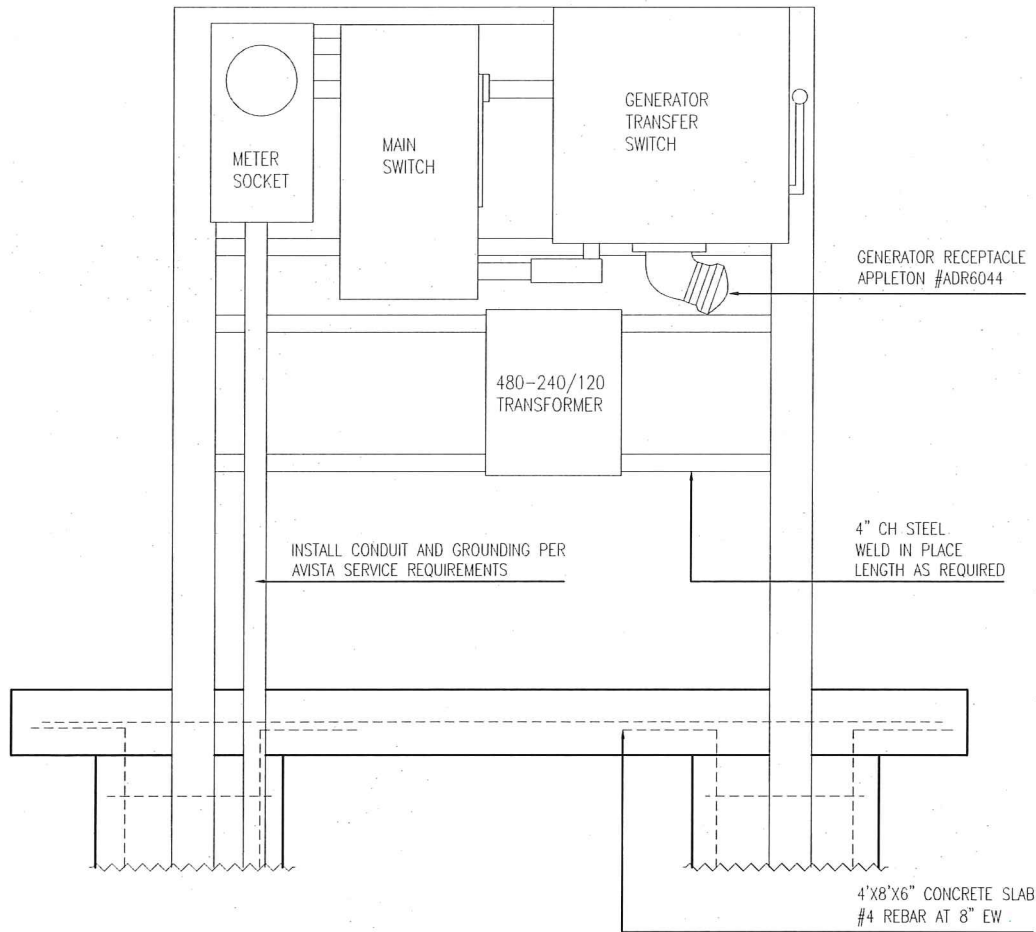
LEWISTON - NEZ PERCE COUNTY
SOUTHSIDE INDUSTRIAL AIR PARK
EDA GRANT # 07-01-06054

PART 77 AREA DRILL HOLE LOG

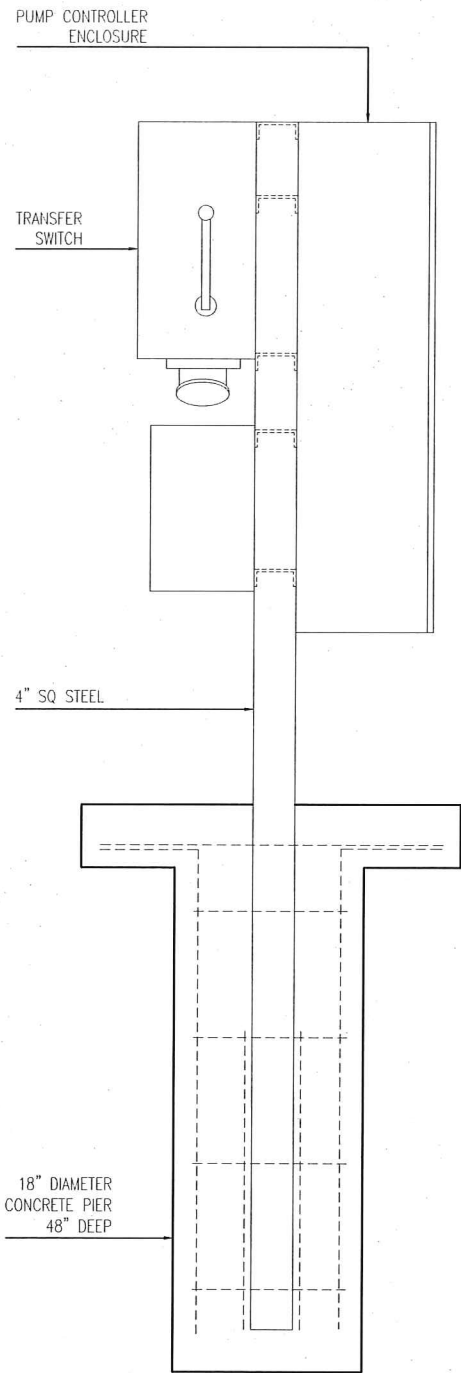
DESIGNED	DESIGN CHECKED	DETAILED	DRAWING CHECKED	FILE NAME	DRAWING DATE	DRAWING SCALE	SHEET
TSM	JRW, MKA	TSM	JRW, MKA	1057-TESTHOLES.dwg	9/10/12	AS SHOWN	27 OF 27



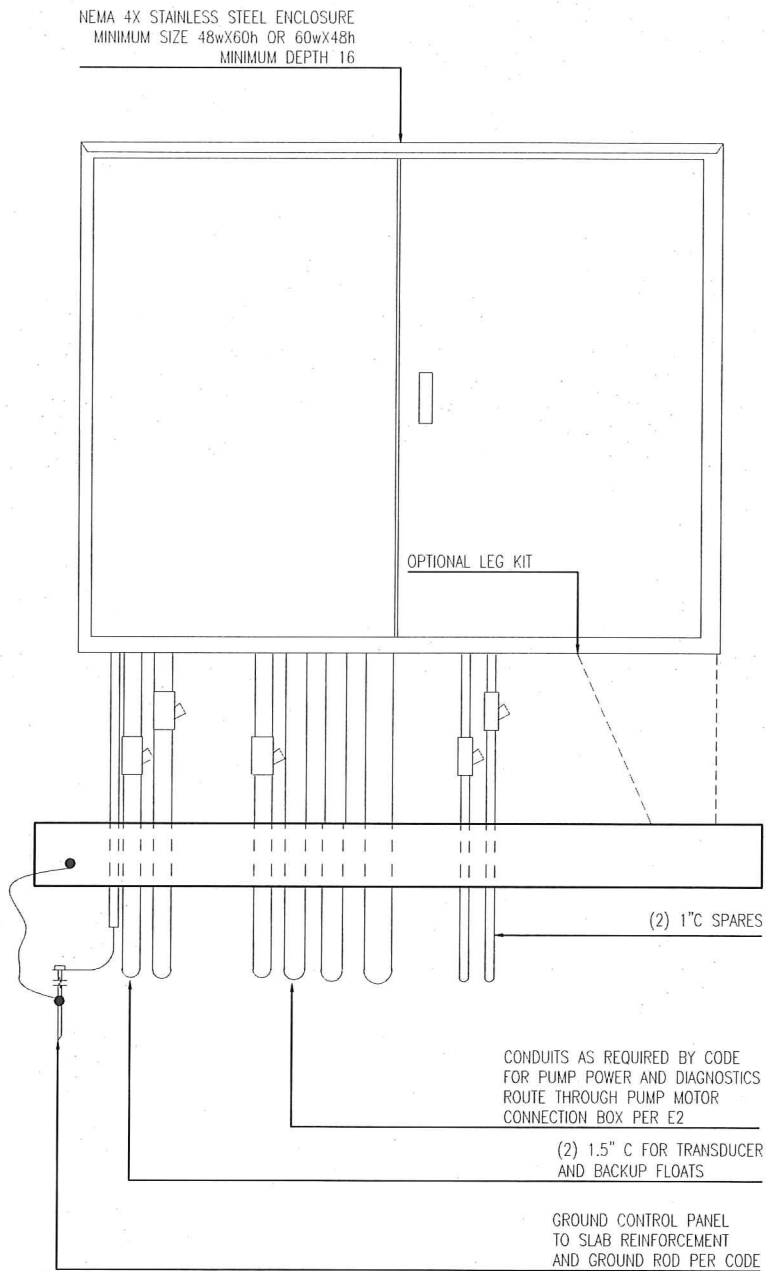
E:\PROJECTS\1057 SOUTHIDE INDUS. AIRPARK\000\CIVIL 3D\DRAWINGS\1057-LS_EVI.DWG



NE PROFILE
SCALE: NTS



CONTROL PANEL SUPPORT:
ALL WELDED CONSTRUCTION. SUBMIT LAYOUT FOR
APPROVAL.
PAINT WITH 2 COATS PRIMER & 2 COATS EPOXY ENAMEL
AFTER FABRICATION & PRIOR TO SETTING IN PLACE.



SW PROFILE
SCALE: NTS

-AS CONSTRUCTED-



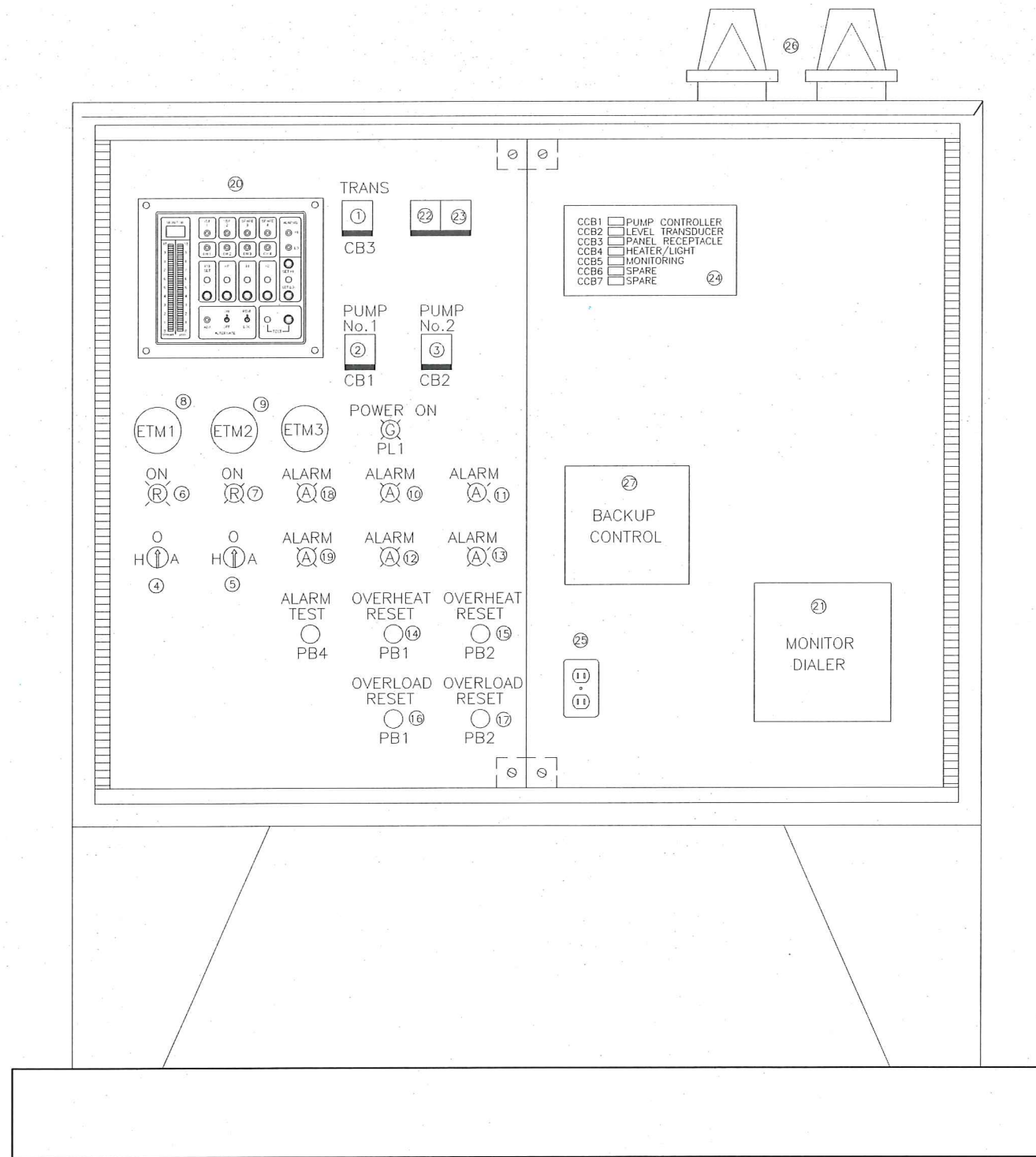
DESIGNED SM	DESIGN CHECKED SM	DETAILED SM	DRAWING CHECKED SM	FILE NAME 1057-LS_EVI.dwg	DRAWING DATE 9/10/12	DRAWING SCALE AS SHOWN	SHEET E01	OF 01
LEWISTON - NEZ PERCE COUNTY SOUTHSIDE INDUSTRIAL AIR PARK EDA GRANT # 07-01-06054								
ELECTRICAL CONTROL & SUPPORT								
REVISIONS								
NO.	DATE	BY	DESCRIPTION					
1	12-10-2010	GMF	REPRINTED & STAMPED					
2	05-25-2012	SM	DIAGRAMMATIC ONLY - SEE O & M MANUAL FOR DETAILS					
3								
4								
5								
6								



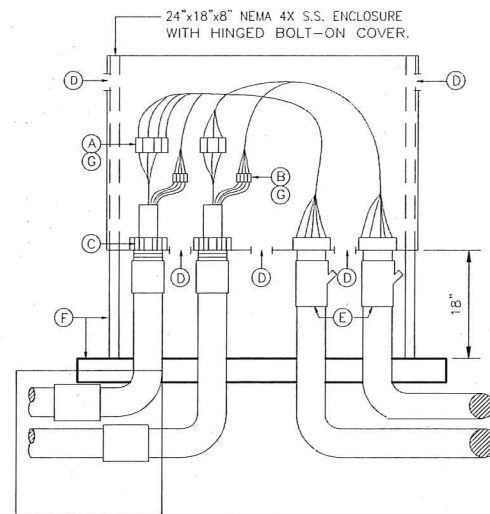
77 Southway, Suite C
Lewiston, Id. 83501
Phone: (208) 743-3818
Fax: (208) 743-3819

THIS DOCUMENT AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICES, IS THE PROPERTY OF RIEDESEL ENGINEERING, INC. AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT, OR THE EXTENSION OF THIS PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF RIEDESEL ENGINEERING, INC.

E:\PROJECTS\1057 SOUTHSIDE INDUS. AIRPARK\CADD\CIVIL 3D\DRAWINGS\1057-LS_E02.DWG



CONTROL CABINET AND DETAILS



PUMPS MOTOR CONNECTION BOX
N.T.S.

1. TRANSFORMER BREAKER
2. PUMP 1 BREAKER
3. PUMP 2 BREAKER
4. PUMP 1 HOA SWITCH
5. PUMP 2 HOA SWITCH
6. PUMP 1 RUN LIGHT
7. PUMP 2 RUN LIGHT
8. PUMP 1 HOUR METER
9. PUMP 2 HOUR METER
10. SEAL FAIL
11. SEAL FAIL
12. OVERTEMP
13. OVERTEMP
14. OVERTEMP RESET
15. OVERTEMP RESET
16. OVERLOAD RESET
17. OVERLOAD RESET
18. HIGH LEVEL ALARM
19. LOW LEVEL ALARM
20. PUMP CONTROLLER HMI
21. MONITORING DEVICE
22. SURGE PROTECTOR
23. PHASE MONITOR
24. BREAKER PANEL
25. MAINTENANCE RECEPTACLE
26. STROBE LIGHTS
27. BACKUP FLOAT CONTROL

THE CONTROL PANEL SIZE & CONFIGURATION IS FOR REFERENCE ONLY. FINAL SIZE AND ARRANGEMENT TO BE DETERMINED BY MANUFACTURER. THE CONTROL PANEL MANUFACTURE SHALL SUBMIT COMPLETE FRONT, REAR & SIDE VIEW FOR EACH LIFT STATION FOR APPROVAL.

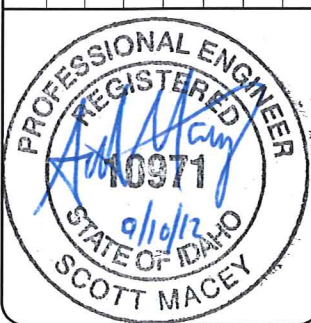
CONDUIT AND WIRING ARRANGEMENT TO BE DETERMINED BY PANEL SUPPLIER.

- A 6-POLE POWER INSULATED TERM BLOCK PANEL MOUNT ALLEN BRADLEY BULLETIN 1492 SIZED AS REQUIRED.
- B 6-CIRCUIT CONTROL INSULATED TERM BLOCK PANEL MOUNT ALLEN BRADLEY BULLETIN 1492.
- C CABLE CORD FITTING WITH GLAND NUT AND NEOPRENE BUSHING EQUAL TO CROUSE HINDS CGFP SIZE OR AS REQUIRED FOR CABLE O.D.
- D 1/8" DRAIN AND VENTILATION HOLES
- E CONDUIT SEAL
- F 3' x 3' x 6" CONCRETE SLAB AND 1 5/8" x 1 5/8" S.S. UNISTRUT SUPPORT FOR ENCLOSURE.
- G COAT WITH CLEAR URETHANE SEAL ELECTRICAL-ELECTRONIC INSULATOR AS CRC "U" 02049
- H PROVIDE 3/4" COND. FROM BOX TO WW FOR CONTROL WIRING (IF NECESSARY)
- I PAD-LOCK CAPABLE COVER

-AS CONSTRUCTED-

LEWISTON - NEZ PERCE COUNTY
SOUTHSIDE INDUSTRIAL AIR PARK
EDA GRANT # 07-01-06054

DESIGNED	SM	DESIGN CHECKED	SM	DETAILED	SM	DRAWING CHECKED	SM
FILE NAME	1057-LS_E02.dwg	DRAWING DATE	9/10/12	DRAWING SCALE	AS SHOWN	SHEET	E02 OF



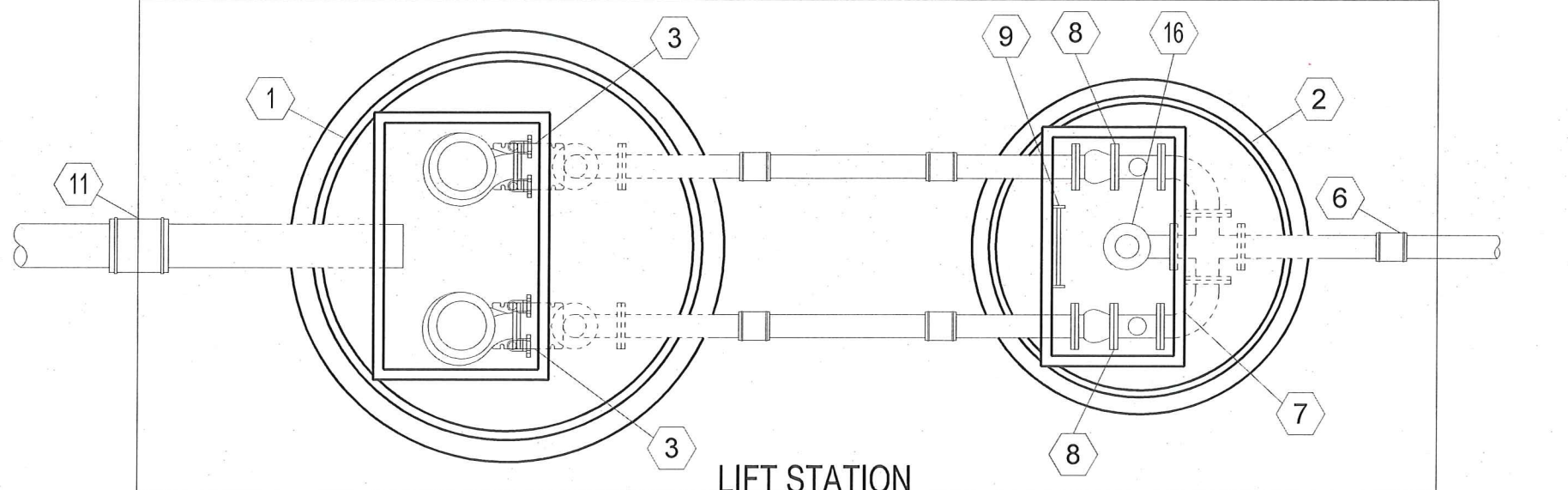
RIEDESEL
Engineering

77 Southway, Suite C
Lewiston, Id. 83501
Phone: (208) 743-3818
Fax: (208) 743-3819



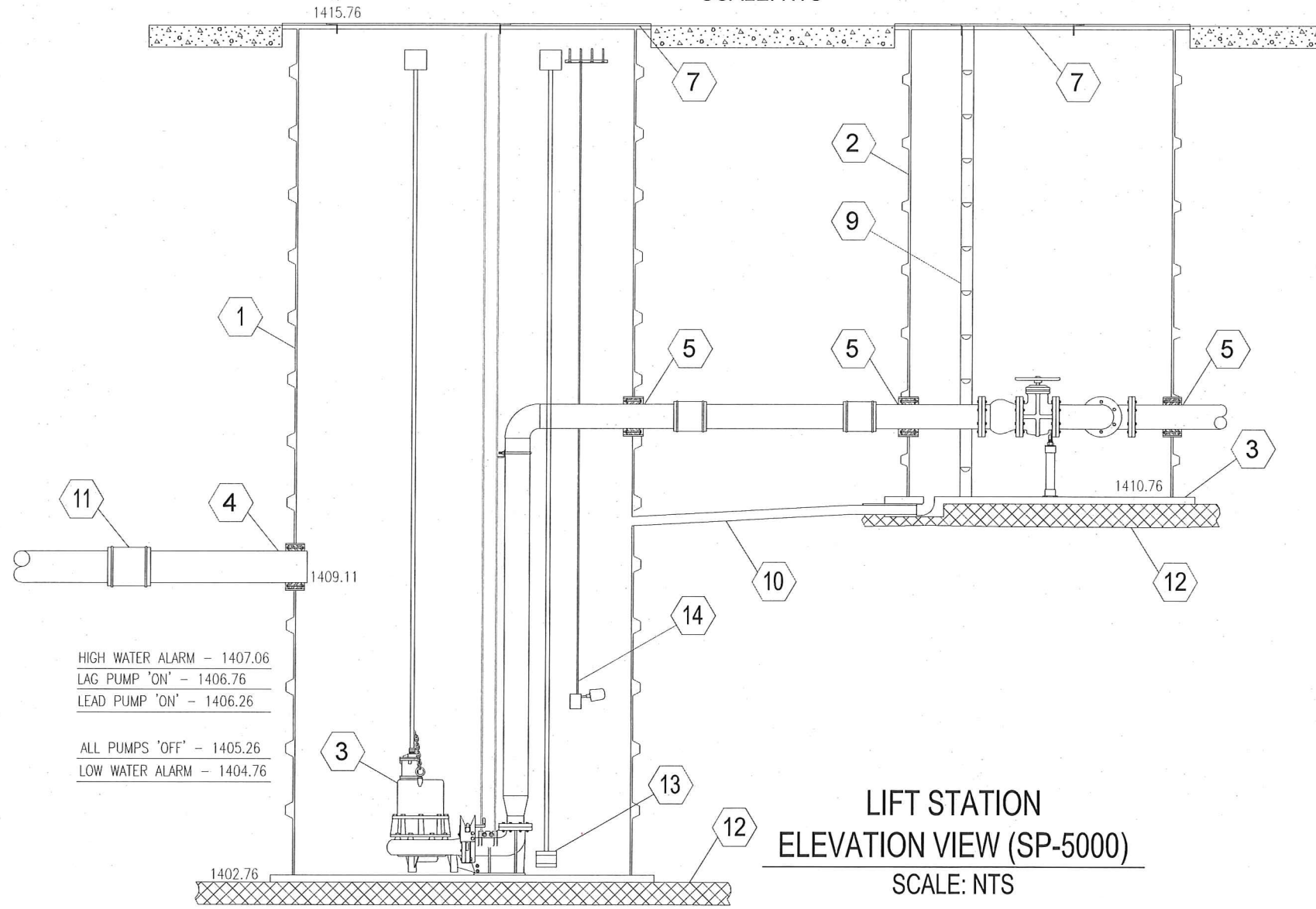
THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICES IS THE PROPERTY OF RIEDESEL ENGINEERING, INC. AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT, OR THE EXTENSION OF THIS PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF RIEDESEL ENGINEERING, INC.

E:\PROJECTS\1057 SOUTHIDE INDUS. AIRPARK\ADD-CIVIL 3D\DRAWINGS\1057-LS_M01.DWG



LIFT STATION
PLAN VIEW (SP-5000)
SCALE: NTS

NO.	DESCRIPTION
1	FRP WET WELL / LIFT STATION 72" DIAMETER
2	FRP VALVE VAULT 60" DIAMETER
3	PUMP MOTOR/DISCHARGE HEAD AND PULTRUDED SLIDE RAIL ASSEMBLY
4	10" SDR 35 PVC INLET PIPE W/ FRP SLEEVE
5	4" SCHEDULE 10 STAINLESS STEEL PIPE AND FITTINGS
6	CONNECT TO 4" FLANGED HDPE PIPELINE
7	ALUMINUM HATCH W/ HINGED ACCESS
8	4" CHECK VALVE & 4" GATE VALVE ASSEMBLY
9	ALUMINUM LADDER
10	2" VAULT DRAIN WITH CHECK VALVE
11	FLEXIBLE COUPLING
12	GRANULAR BACKFILL 6" COMPACTED
13	PRESSURE TRANSDUCER AND SUPPORT CONDUIT
14	BACKUP FLOAT CONTROL SYSTEM
15	8'X21'X6" CONCRETE SLAB
16	BYPASS CONNECTOR WITH GATE VALVE AND CAMLOCK



LIFT STATION
ELEVATION VIEW (SP-5000)
SCALE: NTS

HIGH WATER ALARM - 1407.06
LAG PUMP 'ON' - 1406.76
LEAD PUMP 'ON' - 1406.26

ALL PUMPS 'OFF' - 1405.26
LOW WATER ALARM - 1404.76

-AS CONSTRUCTED-

77 Southway, Suite C
Lewiston, Id. 83501
Phone: (208) 743-3818
Fax: (208) 743-3819

RIEDEL
Engineering

THIS DOCUMENT AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICES, IS THE PROPERTY OF RIEDEL ENGINEERING, INC. AND IS NOT TO BE USED IN WHOLE OR IN PART, FOR ANY OTHER PROJECT, OR THE EXTENSION OF THIS PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF RIEDEL ENGINEERING, INC.

LEWISTON - NEZ PERCE COUNTY
SOUTHSIDE INDUSTRIAL AIR PARK
EDA GRANT # 07-01-06054

MECHANICAL PLAN, SECTIONS

NO.	DATE	BY	DESCRIPTION
1	11/2010	SM	REPRINTED AND STAMPED
2	06-28-2012	SM	DIAGRAMMATIC ONLY - SEE O & M MANUAL FOR DETAILS
3			
4			
5			
6			

DESIGNED	SM	DESIGN CHECKED	NA	DETAILED	SM	DRAWING CHECKED	SM
FILE NAME	1057-LS_M01.dwg	DRAWING DATE	9/10/12	DRAWING SCALE	AS SHOWN	SHEET	M01 OF

PROFESSIONAL ENGINEER
REGISTERED
10971
9/10/12
STATE OF IDAHO
SCOTT MACEY