

ATTACHMENT C
AREA I PERIMETER SOIL BORING LOGS
AND
MONITOR WELL CONSTRUCTION DIAGRAMS

SOIL BORING AND WELL CONSTRUCTION LOG

OWNER: <u>ESI</u>	BORING/WELL NO.: <u>SB-1 (MW-2)</u>
FACILITY#: <u>CAMP MINDEN</u>	DATE COMPLETED: <u>08/17/2015</u>
ADDRESS: <u>AREA I DESTRUCTION SITE</u>	GW DEPTH (ENCOUNTERED): <u>21 FT.</u>
CITY, STATE: <u>MINDEN, LOUISIANA</u>	GW DEPTH (STATIC): <u>23.86 FEET</u>
PROJECT ID#: <u>750-0001</u>	WELL T-O-C ELEVATION: <u>206.07 FEET</u>

DEPTH (FT)	SAMPLING		PID READING	USCS SYMBOL	PERCENT RECOVERY	SOIL CHARACTERISTICS & REMARKS	GEN WELL CONSTRUC (REFER TO DIAGRAM)	DEPTH (FT)
	METHOD	TIME						
☆ 2	DP	1054	2	SP OL	100	-gravel -SILTY CLAY with ORGANICS, oxidized nodules present, stiff, dry	+ + + + + + + + + + + + + + +	2
4	DP	1056	0	CL	100	-SILTY CLAY with oxidized nodules present, medium plasticity, dry brownish red	+ + + + + + + + + + + + + + +	4
6	DP	1058	0	CL	100	-CLAY, soft, red to brown	+ + + + + + + + + + + + + + +	6
8	DP	1110	0	CL	100	-brownish red gravel present	+ + + + + + + + + + + + + + +	8
10	DP	1114	0	CL	100	-red to orange, stiff	+ + + + + + + + + + + + + + +	10
12	DP	1155	0	CL	100	-red to brown	+ + + + + + + + + + + + + + +	12
14	DP	1158	0	SM	100	-SILTY SAND CLAY pocket, stiff	+ + + + + + + + + + + + + + +	14
16	DP	1203	0	SP	100	-fine SAND, tan to white, loose/dry	+ + + + + + + + + + + + + + +	16
18	DP	1211	0	SM	75	-SILTY SAND, tan to red, dry	+ + + + + + + + + + + + + + +	18
20	DP	1214	0	SM	100	-CLAY pocket, stiff SILTY SAND, tan to red, moist	+ + + + + + + + + + + + + + +	20
☆ 21						-wet @21 feet bgs	+ + + + + + + + + + + + + + +	
22	DP	1220	0	SM	100	-SANDY SILT, moist, red to brown, gravel present	+ + + + + + + + + + + + + + +	22
24	DP	1224	0	ML	100		+ + + + + + + + + + + + + + +	24
26	DP	1230	0	CL	100	-SILTY CLAY, moist	+ + + + + + + + + + + + + + +	26
28	DP	1240	0	ML	100	-SANDY SILT, wet @27 feet bgs	+ + + + + + + + + + + + + + +	28
☆ 30	DP	1245	0	ML	100	-brown to tan, CLAYEY SILT, SAND present, dry	+ + + + + + + + + + + + + + +	30

N	ALL TIMES MILITARY	NR-NO RECOVERY	DRILLING COMPANY: <u>DEVONIAN GROUP</u>		N
O	☆ -SAMPLE ANALYZED	NA-NOT APPLICABLE	DRILLER NAME: <u>ALEX ARNAUD</u>		O
T	GW-GROUNDWATER	TD-TOTAL DEPTH	DRILL RIG TYPE: <u>7822 DT GEOPROBE</u>		T
E	DP-DIRECT PUSH		DRILL DIAM.& METH.: <u>2 INCH DIRECT PUSH/ 8.25" HOLLOW STEM AUGER</u>		E
S	BGS-BELOW GROUND SURFACE		SEMS, INC., REP.: <u>MAGHEE SHAW</u>		S

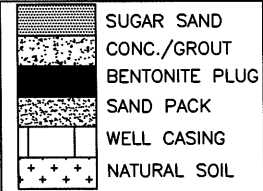
NOTE: BORING TERMINATED AT 30 FT. BGS AND COMPLETED WITH 2-INCH MONITORING WELL (MW-2) TO A TOTAL DEPTH OF 30 FT. BGS.

SOIL BORING AND WELL CONSTRUCTION LOG

OWNER:	ESI	BORING/WELL NO.:	SB-2 (MW-4)
FACILITY#:	CAMP MINDEN	DATE COMPLETED:	08/17/2015
ADDRESS:	AREA I DESTRUCTION SITE	GW DEPTH (ENCOUNTERED):	18 FT.
CITY, STATE:	MINDEN, LOUISIANA	GW DEPTH (STATIC):	21.91 FEET
PROJECT ID#:	750-0001	WELL T-O-C ELEVATION:	203.66 FEET

DEPTH (FT)	SAMPLING METHOD	TIME	PID READING	USCS SYMBOL	PERCENT RECOVERY	SOIL CHARACTERISTICS & REMARKS	GEN WELL CONSTRUC (REFER TO DIAGRAM)	DEPTH (FT)
☆ 2	DP	1450	0	OL	100	-SILTY CLAY, stiff, dry, oxidized nodules present, gray with red	+ +	2
4	DP	1454	0	CL	100	-SILTY CLAY, medium plasticity, brown to red, SAND present	+ +	4
6	DP	1458	0	CL	100	-CLAY, red to brown, stiff	+ +	6
8	DP	1506	0	CL	100		+ +	8
10	DP	1509	0	SM	100	-SILT with SAND present, dry, red to orange	+ +	10
12	DP	1515	0	SM	100	-SILT, red to orange, dry	+ +	12
14	DP	1518	0	SM	100	-SILT, orange to tan, loose CLAYEY SILT, moist, brownish red, SAND present	+ +	14
16	DP	1521	0	ML	100		+ +	16
☆ 18	DP	1523	0	ML	100	-moist @17 feet bgs -SANDY SILT, brownish red, wet @18 feet bgs	+ +	18
20	DP	1525	0	ML	100	-CLAYEY SILT, moist @19 feet bgs SILTY CLAY, stiff, red, dry	+ +	20
22	DP	1545	0	SM	100	-wet @21 feet bgs	+ +	22
24	DP	1549	0	SM	100	-CLAY present, moist	+ +	24
26	DP	1551	0	SM	100	-SILT, brownish red, moist, wet @26 feet bgs	+ +	26
28	DP	1554	0	ML	100	-SAND present, SANDY SILT, wet SILTY CLAY, moist	+ +	28
☆ 30	DP	1600	0	CL	100	-SILTY CLAY, stiff	+ +	30

N	ALL TIMES MILITARY	NR-NO RECOVERY	DRILLING COMPANY: <u>DEVONIAN GROUP</u>					N
O	☆ -SAMPLE ANALYZED	NA-NOT APPLICABLE	DRILLER NAME: <u>ALEX ARNAUD</u>					O
T	GW-GROUNDWATER	TD-TOTAL DEPTH	DRILL RIG TYPE: <u>7822 DT GEOPROBE</u>					T
E	DP-DIRECT PUSH		DRILL DIAM.& METH.: <u>2 INCH DIRECT PUSH/ 8.25" HOLLOW STEM AUGER</u>					E
S	BGS-BELOW GROUND SURFACE		SEMS, INC., REP.: <u>MAGHEE SHAW</u>					S



NOTE: BORING TERMINATED AT 30 FT. BGS AND COMPLETED WITH 2-INCH MONITORING WELL (MW-4) TO A TOTAL DEPTH OF 29 FT. BGS.

SOIL BORING AND WELL CONSTRUCTION LOG

OWNER:	ESI	BORING/WELL NO.:	SB-3 (MW-6)
FACILITY#:	CAMP MINDEN	DATE COMPLETED:	08/17/2015
ADDRESS:	AREA I DESTRUCTION SITE	GW DEPTH (ENCOUNTERED):	18 FT.
CITY, STATE:	MINDEN, LOUISIANA	GW DEPTH (STATIC):	20.94 FEET
PROJECT ID#:	750-0001	WELL T-O-C ELEVATION:	202.69 FEET

DEPTH (FT)	SAMPLING METHOD	TIME	PID READING	USCS SYMBOL	PERCENT RECOVERY	SOIL CHARACTERISTICS & REMARKS	GEN WELL CONSTRUC (REFER TO DIAGRAM)	DEPTH (FT)
☆ 2	DP	1715	0	OL	100	-SILTY CLAY, stiff, dry, low plasticity, gray	+ + + + + + + + + + + + + + +	2
4	DP	1720	0	CL	100	-SILTY CLAY, medium plasticity, gray with tan	+ + + + + + + + + + + + + + +	4
6	DP	1725	0	CL	100	-SILTY CLAY, medium plasticity, red to gray with black iron nodules	+ + + + + + + + + + + + + + +	6
8	DP	1732	0	CL	100	-SILTY CLAY, medium plasticity, moderately stiff, red to brown with black iron nodules	+ + + + + + + + + + + + + + +	8
10	DP	1736	0	OL	100	-SILT CLAY, orange, low plasticity	+ + + + + + + + + + + + + + +	10
12	DP	1742	0	ML	100	-SANDY SILT, loose, tan, slight plasticity	+ + + + + + + + + + + + + + +	12
14	DP	1746	0	ML	100	-SANDY SILT, loose, tan, slight plasticity	+ + + + + + + + + + + + + + +	14
16	DP	1750	0	OL	100	-SILT with little CLAY, low plasticity, tan, moist	+ + + + + + + + + + + + + + +	16
☆ 18	DP	1755	0	ML	100	-SANDY SILT, loose, tan, slight plasticity, wet	+ + + + + + + + + + + + + + +	18
20	DP	1800	0	ML	100	-SANDY SILT, loose, tan, slight plasticity, wet	+ + + + + + + + + + + + + + +	20
22	DP	1808	0	ML	100	-SANDY SILT, loose, tan, slight plasticity, wet	+ + + + + + + + + + + + + + +	22
24	DP	1812	0	ML	100	-SANDY SILT, loose, tan, slight plasticity, wet	+ + + + + + + + + + + + + + +	24
26	DP	1815	0	ML	100	-SANDY SILT, loose, tan, slight plasticity, wet	+ + + + + + + + + + + + + + +	26
28	DP	1818	0	ML	100	-SANDY SILT, CLAY present, tan, slight plasticity -saturated 26-27 feet bgs	+ + + + + + + + + + + + + + +	28
☆ 30	DP	1821	0	ML	100		+ + + + + + + + + + + + + + +	30

N	ALL TIMES MILITARY	NR-NO RECOVERY	DRILLING COMPANY: DEVONIAN GROUP					
O	☆ -SAMPLE ANALYZED	NA-NOT APPLICABLE	DRILLER NAME: ALEX ARNAUD		SUGAR SAND	N		
T	GW-GROUNDWATER	TD-TOTAL DEPTH	DRILL RIG TYPE: 7822 DT GEOPROBE		CONC./GROUT	O		
E	DP-DIRECT PUSH		DRILL DIAM. & METH.: 2 INCH DIRECT PUSH/ 8.25" HOLLOW STEM AUGER		BENTONITE PLUG	T		
S	BGS-BELOW GROUND SURFACE		SEMS, INC., REP.: MAGHEE SHAW		SAND PACK	E		
					WELL CASING	S		
					NATURAL SOIL			

NOTE: BORING TERMINATED AT 30 FT. BGS AND COMPLETED WITH 2-INCH MONITORING WELL (MW-6) TO A TOTAL DEPTH OF 28 FT. BGS.

SOIL BORING AND WELL CONSTRUCTION LOG

OWNER:	ESI	BORING/WELL NO.:	SB-4 (MW-5)
FACILITY#:	CAMP MINDEN	DATE COMPLETED:	08/18/2015
ADDRESS:	AREA I DESTRUCTION SITE	GW DEPTH (ENCOUNTERED):	17 FT.
CITY, STATE:	MINDEN, LOUISIANA	GW DEPTH (STATIC):	22.46 FEET
PROJECT ID#:	750-0001	WELL T-O-C ELEVATION:	204.08 FEET

DEPTH (FT)	SAMPLING METHOD	TIME	PID READING	USCS SYMBOL	PERCENT RECOVERY	SOIL CHARACTERISTICS & REMARKS	GEN WELL CONSTRUC (REFER TO DIAGRAM)	DEPTH (FT)
☆							+ + + + +	
2	DP	0810	0	CL	100	SILTY CLAY, stiff, dry, tan to gray	+ + + + +	2
4	DP	0813	0	CL	100	medium plasticity, reddish brown	+ + + + +	4
6	DP	0817	0	CL	100		+ + + + +	6
8	DP	0820	0	CL	100		+ + + + +	8
10	DP	0824	0	ML	100	more SILT present	+ + + + +	10
12	DP	0827	0	ML	100	SANDY SILT, loose, dry, orange to red	+ + + + +	12
14	DP	0832	0	ML	100	orange to brown moist, reddish brown	+ + + + +	14
16	DP	0835	0	ML	100	more SAND present, moist	+ + + + +	16
☆						wet @17 feet bgs	+ + + + +	
18	DP	0839	0	ML	100	CLAY pocket present	+ + + + +	18
20	DP	0842	0	ML	100	SAND present, wet CLAYEY SILT, moist, SAND present	+ + + + +	20
22	DP	0846	0	ML	100	SAND present, wet CLAYEY SILT, orangish red, medium plasticity, SAND present	+ + + + +	22
24	DP	0851	0	ML	100	SILTY CLAY, medium plasticity	+ + + + +	24
26	DP	0854	0	CL	100		+ + + + +	26
28	DP	0858	0	CL	100		+ + + + +	28
☆							+ + + + +	
30	DP	0903	0	CL	100		+ + + + +	30

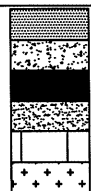
N	ALL TIMES MILITARY	NR-NO RECOVERY	DRILLING COMPANY: DEVONIAN GROUP		N
O	☆ -SAMPLE ANALYZED	NA-NOT APPLICABLE	DRILLER NAME: LONY GAUDET		O
T	GW-GROUNDWATER	TD-TOTAL DEPTH	DRILL RIG TYPE: 7822 DT GEOPROBE		T
E	DP-DIRECT PUSH		DRILL DIAM.& METH.: 2 INCH DIRECT PUSH/ 8.25" HOLLOW STEM AUGER		E
S	BGS-BELOW GROUND SURFACE		SEMS, INC., REP.: MAGHEE SHAW		S

NOTE: BORING TERMINATED AT 30 FT. BGS AND COMPLETED WITH 2-INCH MONITORING WELL (MW-5) TO A TOTAL DEPTH OF 27 FT. BGS.

SOIL BORING AND WELL CONSTRUCTION LOG

OWNER:	ESI	BORING/WELL NO.:	SB-5 (MW-3)
FACILITY#:	CAMP MINDEN	DATE COMPLETED:	08/18/2015
ADDRESS:	AREA I DESTRUCTION SITE	GW DEPTH (ENCOUNTERED):	18 FT.
CITY, STATE:	MINDEN, LOUISIANA	GW DEPTH (STATIC):	22.27 FEET
PROJECT ID#:	750-0001	WELL T-O-C ELEVATION:	204.14 FEET

DEPTH (FT)	SAMPLING METHOD	TIME	PID READING	USCS SYMBOL	PERCENT RECOVERY	SOIL CHARACTERISTICS & REMARKS	GEN WELL CONSTRUC (REFER TO DIAGRAM)	DEPTH (FT)
☆							+ + + + +	
2	DP	0955	0	ML	100	CLAYEY SILT, dry, gray with OXIDIZED nodules, medium plasticity	+ + + + +	2
4	DP	0958	0	CL	100	SILTY CLAY, more CLAY present, black iron nodules, orangish brown	+ + + + +	4
6	DP	1003	0	CL	100	reddish brown	+ + + + +	6
8	DP	1007	0	CL	100	more CLAY present	+ + + + +	8
10	DP	1011	0	CL	100		+ + + + +	10
12	DP	1014	0	CL	100	SILTY CLAY, very stiff, black iron nodules	+ + + + +	12
14	DP	1017	0	CL	100		+ + + + +	14
16	DP	1020	0	ML	100	CLAYEY SILT, more SILT present, dry, low plasticity, red to orange	+ + + + +	16
☆	DP	1024	0	ML	100	SANDY SILT, moist @17 feet bgs, reddish orange wet @18 feet bgs	+ + + + +	18
▽	DP	1027	0	ML	100	SANDY SILT, moist @19 feet bgs, orangish brown wet @21 feet bgs	+ + + + +	20
22	DP	1031	0	ML	100		+ + + + +	22
24	DP	1034	0	CL	100	SILTY CLAY, orangish brown, moist @23 feet bgs	+ + + + +	24
26	DP	1039	0	ML	100	CLAYEY SILT, low plasticity SANDY SILT, wet @26 feet bgs	+ + + + +	26
28	DP	1044	0	CL	100	SILTY CLAY, moist, medium plasticity	+ + + + +	28
☆	DP	1050	0	SM	100	SILTY CLAY, wet @29 feet bgs, low plasticity	+ + + + +	30

N	ALL TIMES MILITARY	NR-NO RECOVERY	DRILLING COMPANY: DEVONIAN GROUP		N
O	☆ -SAMPLE ANALYZED	NA-NOT APPLICABLE	DRILLER NAME: LONY GAUDET		O
T	GW-GROUNDWATER	TD-TOTAL DEPTH	DRILL RIG TYPE: 7822 DT GEOPROBE		T
E	DP-DIRECT PUSH		DRILL DIAM.& METH.: 2 INCH DIRECT PUSH/ 8.25" HOLLOW STEM AUGER		E
S	BGS-BELOW GROUND SURFACE		SEMS, INC., REP.: MAGHEE SHAW		S

NOTE: BORING TERMINATED AT 30 FT. BGS AND COMPLETED WITH 2-INCH MONITORING WELL (MW-3) TO A TOTAL DEPTH OF 30 FT. BGS.



SOIL BORING AND WELL CONSTRUCTION LOG

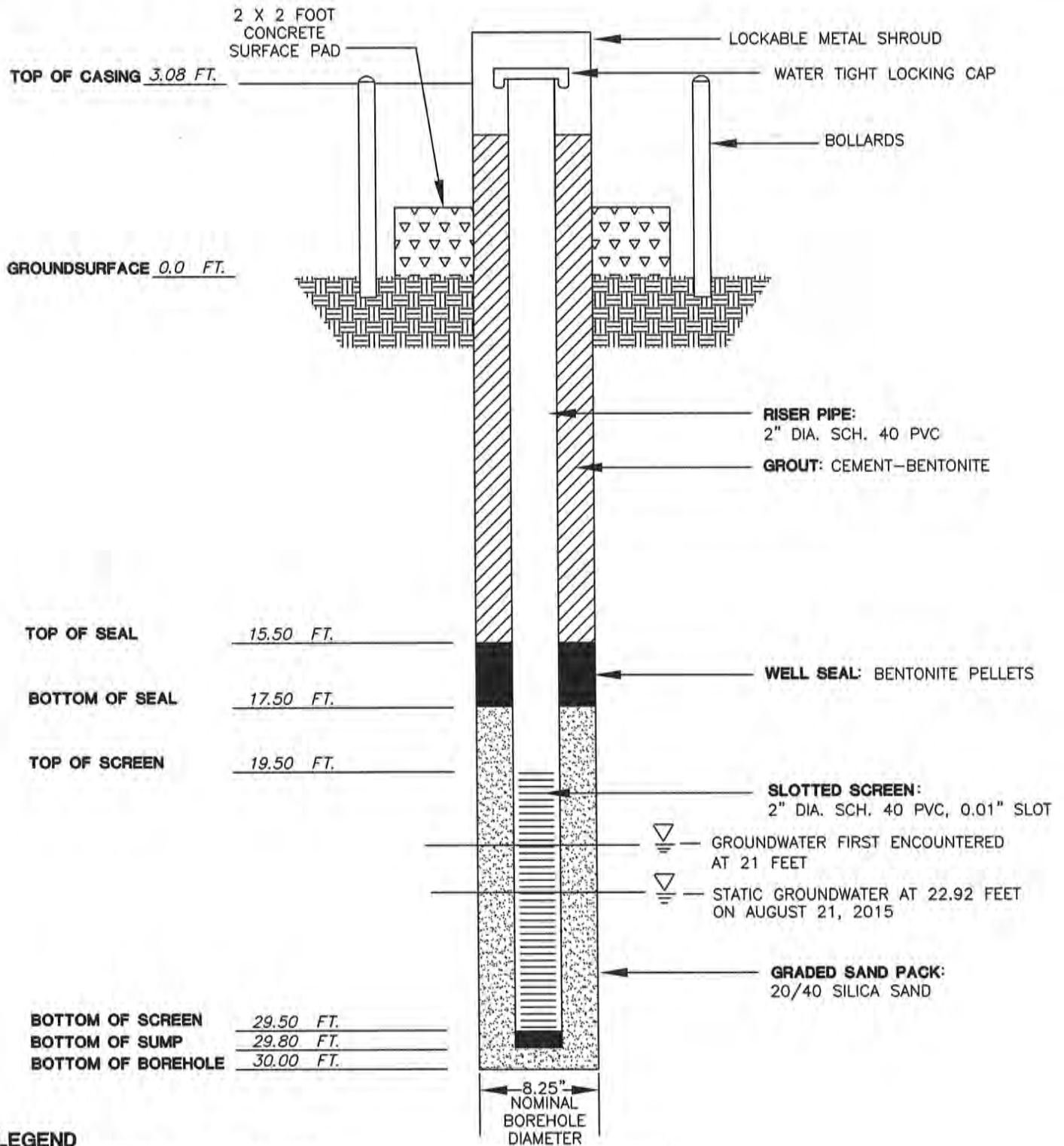
OWNER:	ESI	BORING/WELL NO.:	SB-6 (MW-1)
FACILITY#:	CAMP MINDEN	DATE COMPLETED:	08/18/2015
ADDRESS:	AREA I DESTRUCTION SITE	GW DEPTH (ENCOUNTERED):	21 FT.
CITY, STATE:	MINDEN, LOUISIANA	GW DEPTH (STATIC):	22.92 FEET
PROJECT ID#:	750-0001	WELL T-O-C ELEVATION:	205.16 FEET

DEPTH (FT)	SAMPLING METHOD	TIME	PID READING	USCS SYMBOL	PERCENT RECOVERY	SOIL CHARACTERISTICS & REMARKS	GEN WELL CONSTRUC (REFER TO DIAGRAM)	DEPTH (FT)
☆							+ + + + +	
2	DP	1145	0	CL	100	-SILTY CLAY, dry, stiff, tan to brown, low plasticity	+ + + + +	2
4	DP	1148	0	CL	100	-less SILT, gray with red	+ + + + +	4
6	DP	1151	0	CL	100	-SILTY CLAY, gray to tan, SAND present	+ + + + +	6
8	DP	1155	0	SM	100	-SILTY SAND, CLAY present, orangish red, low plasticity	+ + + + +	8
10	DP	1158	0	CL	100	-SILTY CLAY, gray with orange, medium plasticity -SILTY SAND, reddish orange, loose	+ + + + +	10
12	DP	1204	0	SM	100	-light orange	+ + + + +	12
14	DP	1207	0	SM	100		+ + + + +	14
16	DP	1211	0	SM	100		+ + + + +	16
18	DP	1214	0	SM	100	-brownish orange	+ + + + +	18
20	DP	1217	0	SM	100	-coarse SAND pocket with GRAVEL, SILTY SAND, moist	+ + + + +	20
☆	▽					-wet @21 feet bgs	+ + + + +	
22	DP	1222	0	SM	100		+ + + + +	22
24	DP	1229	0	SM	100	-coarse SAND pocket, moist, brownish orange	+ + + + +	24
26	DP	1232	0	SM	100	-SILTY SILT, moist, low plasticity, CLAY present -SILTY SAND, wet	+ + + + +	26
28	DP	1236	0	ML	100	-SANDY SILT, moist, low plasticity	+ + + + +	28
☆						-SILTY CLAY, moist, low plasticity	+ + + + +	
30	DP	1240	0	CL	100		+ + + + +	30

N	ALL TIMES MILITARY	NR-NO RECOVERY	DRILLING COMPANY: <u>DEVONIAN GROUP</u>		N O T E S
O	☆-SAMPLE ANALYZED	NA-NOT APPLICABLE	DRILLER NAME: <u>LONY GAUDET</u>		
T	GW-GROUNDWATER	TD-TOTAL DEPTH	DRILL RIG TYPE: <u>7822 DT GEOPROBE</u>		
E	DP-DIRECT PUSH		DRILL DIAM.& METH.: <u>2 INCH DIRECT PUSH/ 8.25" HOLLOW STEM AUGER</u>		
S	BGS-BELOW GROUND SURFACE		SEMS, INC., REP.: <u>MAGHEE SHAW</u>		




NOTE: BORING TERMINATED AT 30 FT. BGS AND COMPLETED WITH 2-INCH MONITORING WELL (MW-1) TO A TOTAL DEPTH OF 30 FT. BGS.





LEGEND

JOB/PHASE/TASK NO.: 750-0001
 WELL NO.: MW-1
 DATE INSTALLED: 08/18/15
 ELEVATION OF CASING: 205.16 FEET
 GROUND SURFACE ELEVATION: 202.08 FEET
 LATITUDE: 32° 33' 15.53" N
 LONGITUDE: 93° 27' 50.88" W

-  SAND FILL
-  GROUT
-  CONCRETE FILL

NOTE:
 1) ELEVATIONS ARE REFERENCED TO NGVD.
 2) NOT TO SCALE.

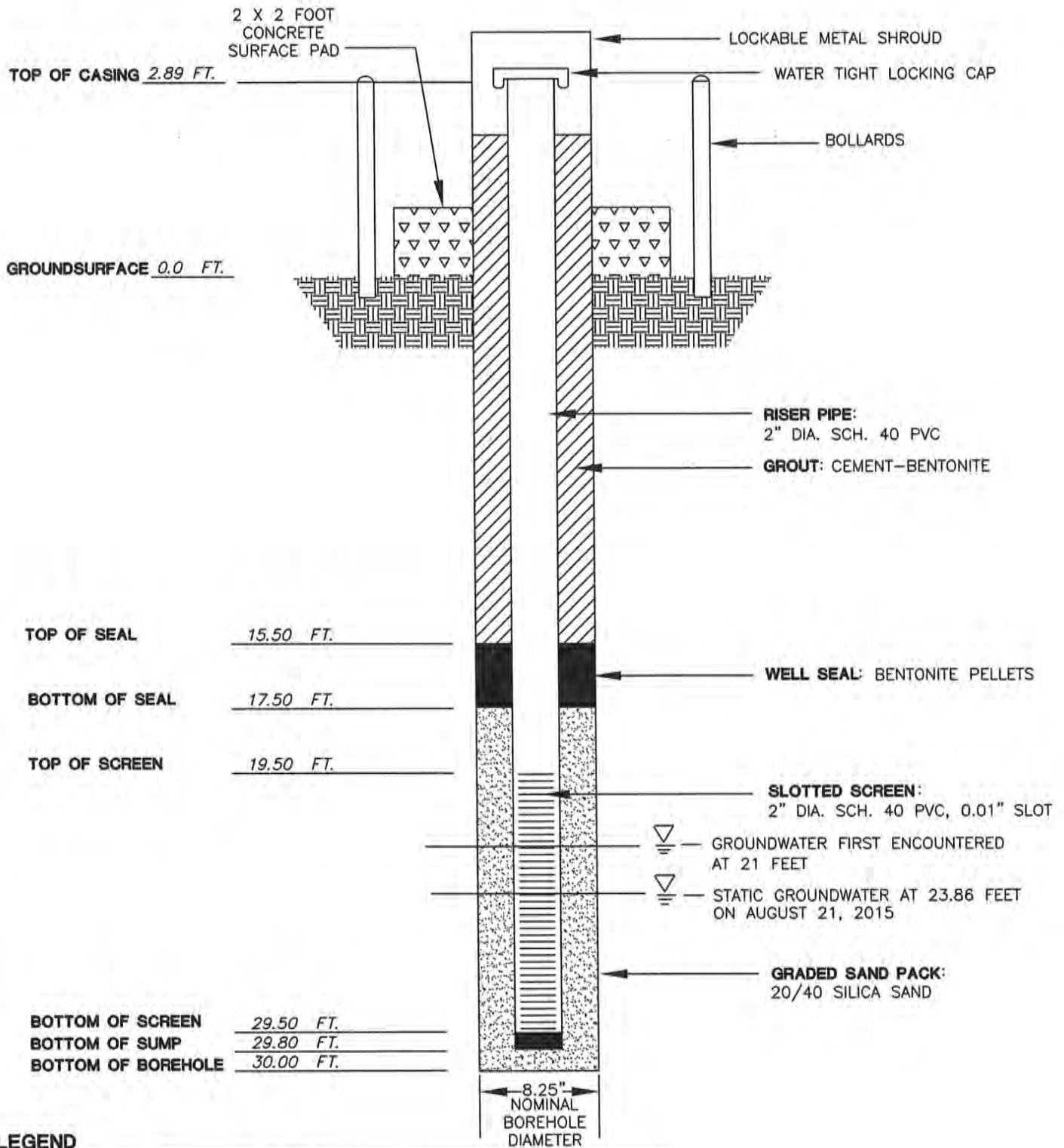
WELL CONSTRUCTION DIAGRAM

CAMP MINDEN - AREA I
 MINDEN, LOUISIANA

PREPARED FOR
**EXPLOSIVE SERVICE
 INTERNATIONAL**






DRAWN BY	LDG	CHECKED BY		DRAWING NO.
	10/15/15	APPROVED BY		MW-1



LEGEND

JOB/PHASE/TASK NO.: 750-0001
 WELL NO.: MW-2
 DATE INSTALLED: 08/18/15
 ELEVATION OF CASING: 206.07 FEET
 GROUND SURFACE ELEVATION: 203.18 FEET
 LATITUDE: 32° 33' 17.97" N
 LONGITUDE: 93° 27' 52.77" W

-  SAND FILL
-  GROUT
-  CONCRETE FILL

NOTE:
 1) ELEVATIONS ARE REFERENCED TO NGVD.
 2) NOT TO SCALE.

WELL CONSTRUCTION DIAGRAM

CAMP MINDEN – AREA I
 MINDEN, LOUISIANA

PREPARED FOR
**EXPLOSIVE SERVICE
 INTERNATIONAL**



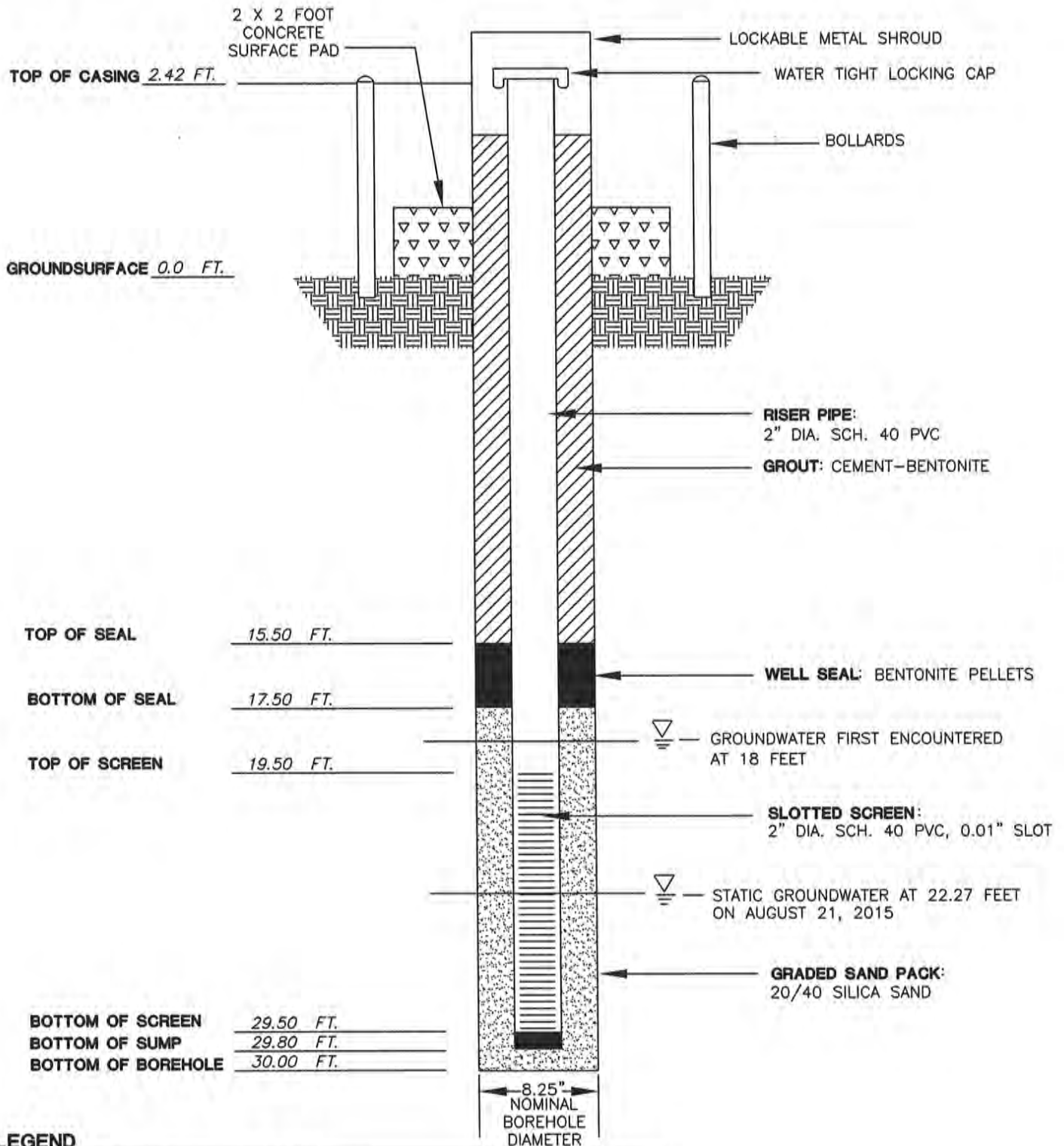
DRAWN BY

LDG
 10/15/15

CHECKED BY
 APPROVED BY




MS

DRAWING NO.
 MW-2



LEGEND

JOB/PHASE/TASK NO.: 750-0001
 WELL NO.: MW-3
 DATE INSTALLED: 08/18/15
 ELEVATION OF CASING: 204.14 FEET
 GROUND SURFACE ELEVATION: 201.72 FEET
 LATITUDE: 32° 33' 12.22" N
 LONGITUDE: 93° 27' 50.89" W

 SAND FILL
 GROUT
 CONCRETE FILL

NOTE:
 1) ELEVATIONS ARE REFERENCED TO NGVD.
 2) NOT TO SCALE.

WELL CONSTRUCTION DIAGRAM

CAMP MINDEN - AREA I
 MINDEN, LOUISIANA

PREPARED FOR
**EXPLOSIVE SERVICE
 INTERNATIONAL**


SEMS Inc.

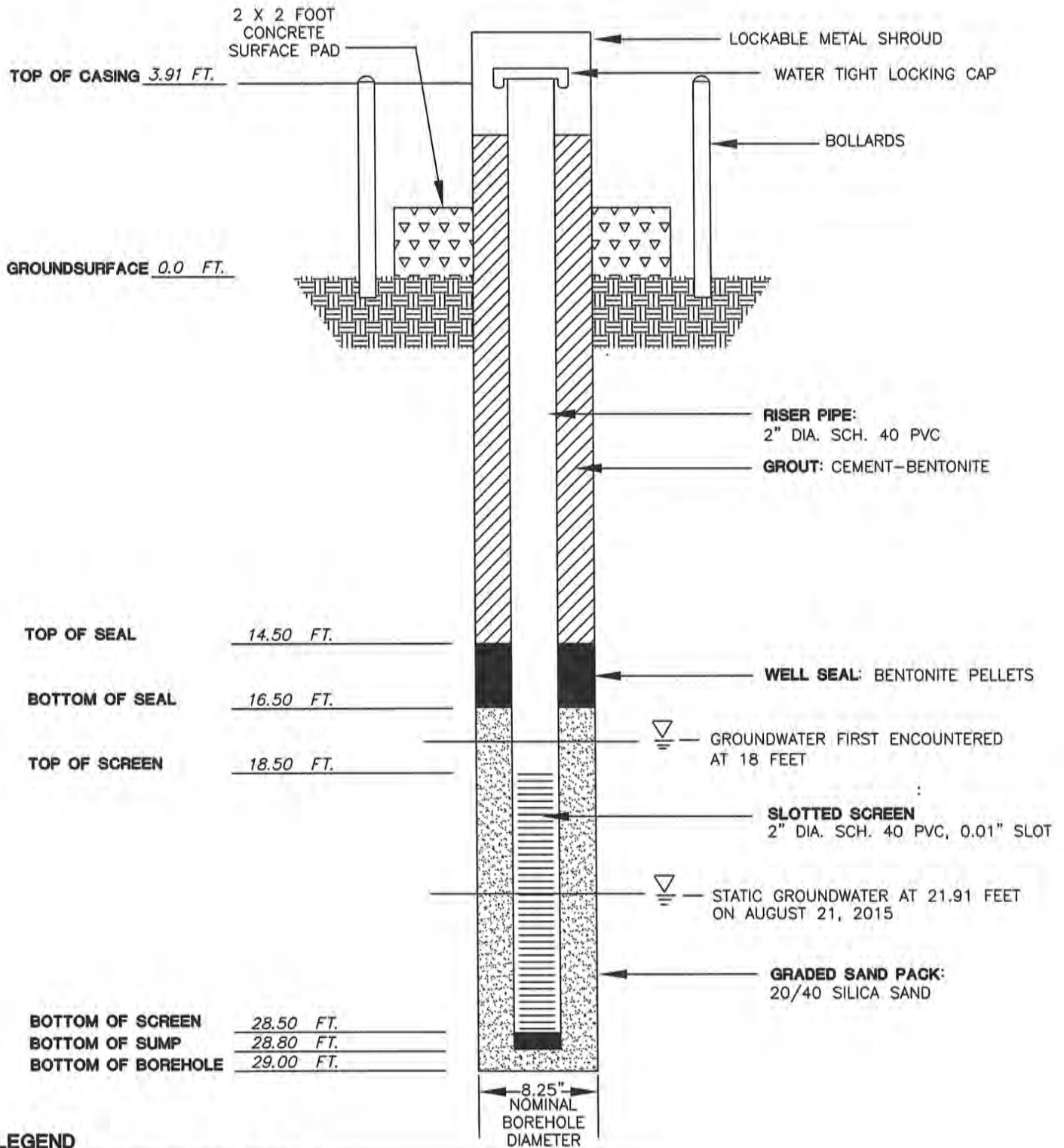
DRAWN
 BY

LDG
 10/15/15

CHECKED BY
 APPROVED BY






DRAWING NO.
 MW-3



LEGEND

JOB/PHASE/TASK NO.: 750-0001
 WELL NO.: MW-4
 DATE INSTALLED: 08/19/15
 ELEVATION OF CASING: 203.66 FEET
 GROUND SURFACE ELEVATION: 199.75 FEET
 LATITUDE: 32° 33' 15.53" N
 LONGITUDE: 93° 27' 54.88" W

-  SAND FILL
-  GROUT
-  CONCRETE FILL

NOTE:
 1) ELEVATIONS ARE REFERENCED TO NGVD.
 2) NOT TO SCALE.

WELL CONSTRUCTION DIAGRAM

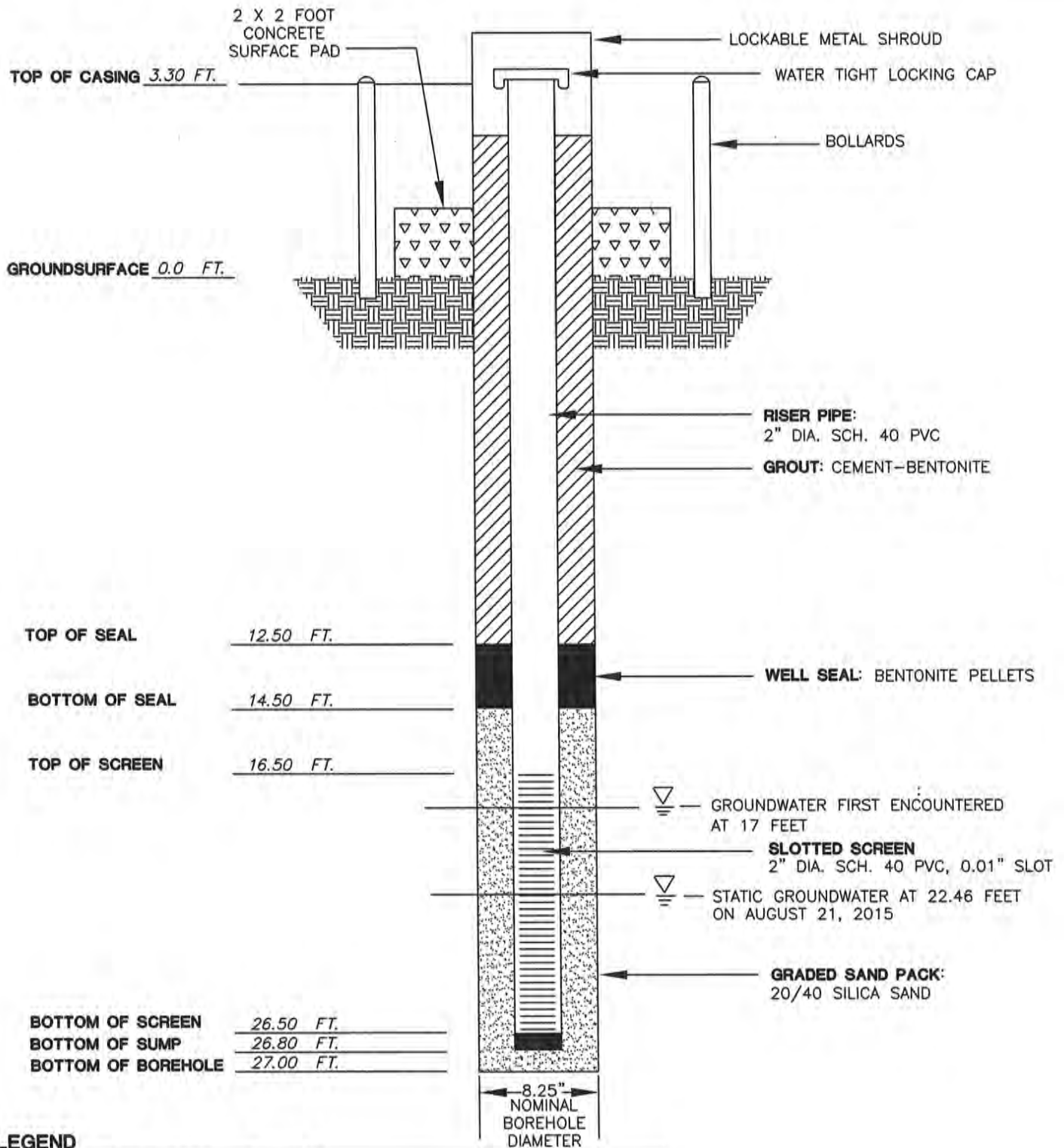
CAMP MINDEN – AREA I
 MINDEN, LOUISIANA

PREPARED FOR
**EXPLOSIVE SERVICE
 INTERNATIONAL**



DRAWN BY	LDG	CHECKED BY	<i>MS</i>
	10/15/15	APPROVED BY	

DRAWING NO.
 MW-4



LEGEND

JOB/PHASE/TASK NO.: 750-0001
 WELL NO.: MW-5
 DATE INSTALLED: 08/19/15
 ELEVATION OF CASING: 204.08 FEET
 GROUND SURFACE ELEVATION: 200.78 FEET
 LATITUDE: 32° 33' 8.92" N
 LONGITUDE: 93° 27' 52.76" W

NOTE:

- 1) ELEVATIONS ARE REFERENCED TO NGVD.
- 2) NOT TO SCALE.

WELL CONSTRUCTION DIAGRAM

CAMP MINDEN — AREA I
 MINDEN, LOUISIANA

PREPARED FOR
**EXPLOSIVE SERVICE
 INTERNATIONAL**



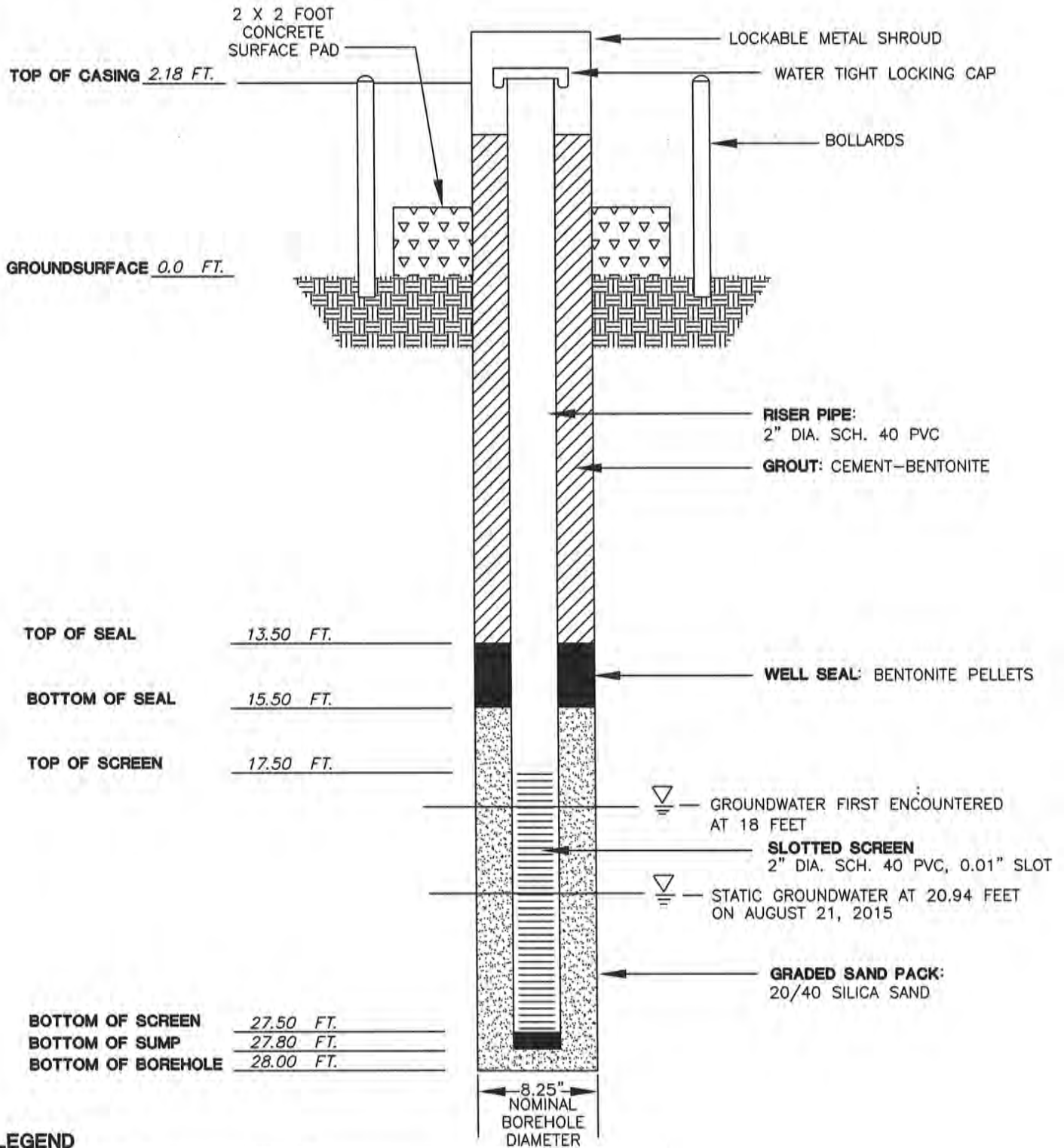
DRAWN BY

LDG
 10/15/15

CHECKED BY
 APPROVED BY




MS

DRAWING NO.
 MW-5



LEGEND

JOB/PHASE/TASK NO.: 750-0001
 WELL NO.: MW-6
 DATE INSTALLED: 08/19/15
 ELEVATION OF CASING: 202.69 FEET
 GROUND SURFACE ELEVATION: 200.51 FEET
 LATITUDE: 32° 33' 12.14" N
 LONGITUDE: 93° 27' 54.82" W

-  SAND FILL
-  GROUT
-  CONCRETE FILL

NOTE:
 1) ELEVATIONS ARE REFERENCED TO NGVD.
 2) NOT TO SCALE.

WELL CONSTRUCTION DIAGRAM

CAMP MINDEN - AREA I
 MINDEN, LOUISIANA

PREPARED FOR
**EXPLOSIVE SERVICE
 INTERNATIONAL**



DRAWN BY	LDG	CHECKED BY	
	10/15/15	APPROVED BY	

DRAWING NO.
 MW-6