AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE	OF PAGES
J	1	3

2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO.(If applicable)
0004	19-Mar-2003	W81G67-2212-3595	

6. ISSUED BY CODE DACW37

CONTRACTING DIVISION
USACE - ST PAUL
190 5TH STREET E
ST PAUL MN 55101-1638

7. ADMINISTERED BY (If other than item 6) CODE

CONTRACTING DIVISION
ATTN: BILL HURLEY
PHONE: 651-290-5416
MN

8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)

CODE FACILITY CODE

X	9A. AMENDMENT OF SOLICITATION NO. DACW37-02-B-0015
X	9B. DATED (SEE ITEM 11) 24-Feb-2003
	10A. MOD. OF CONTRACT/ORDER NO.
	10B. DATED (SEE ITEM 13)

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[X] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer [ ] is extended, [X] is not extended.

Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning_____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

[ ] A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

[ ] B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).

[ ] C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

[ ] D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor [ ] is not, [ ] is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

Drawings and Specifications are amended. Also attached to this amendment is the complete 4 drawing set of boring logs.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) TEL: EMAIL:	
15B. CONTRACTOR/OFFEROR _____ (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY _____ (Signature of Contracting Officer)	16C. DATE SIGNED

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

The following drawings are amended to read:

1. Drawing R-P-WB-64/098, coordinate C3. Add upper slab thickness of "8 inches".

2. Drawing R-P-WB-64/098, coordinate C3. Add distance between top of upper slab and top of wall of "12 inches".

3. Drawing Sheet 59 of 83 Coord C-6:

   Change all instances of "2-Jan" in Conduit column of Equipment Schedule to "2-in".

4. Drawing Sheet 59 of 83 Coord D-6:

   Change "8-Jan" in Ckt column of the Equipment Schedule to "8".

5. Drawing R-P-WB-64/004: Coordinates A-5, Add note to Stockpile Area,

   "Stockpile maximum top elevation shall be 973.5 with 1V on 3H side slopes. Side slopes must start at a minimum of 10 ft. from edge of work limits."

6. Drawings R-P-WB-64/002 & R-P-WB-64/013:

   Add Note - The Stage 1 Work Limits shall start at station B 8+00 and end at station C 60+00.

These paragraphs are changed as shown below:

SECTION 16415, page 46

3.17.2 Installation of Government-Furnished Equipment

Contractor shall be responsible for installation and connection of all Government-furnished equipment. This includes installation and mounting, connection of power and control wiring, and all required interconnections. Government-furnished equipment shall include, but not be limited to the following:

a. Electrical generator.
b. Pump motors.

SECTION 16415, Page 30.

2.14.2 Motor Starters
Combination starters shall be provided with fusible switches.

Change to read:

2.14.2 Motor Starters
Combination starters shall be provided with fusible switches. ***See SECTION 16920 for pump motor starter requirements.***

Section 02630, paragraph 3.5.1.

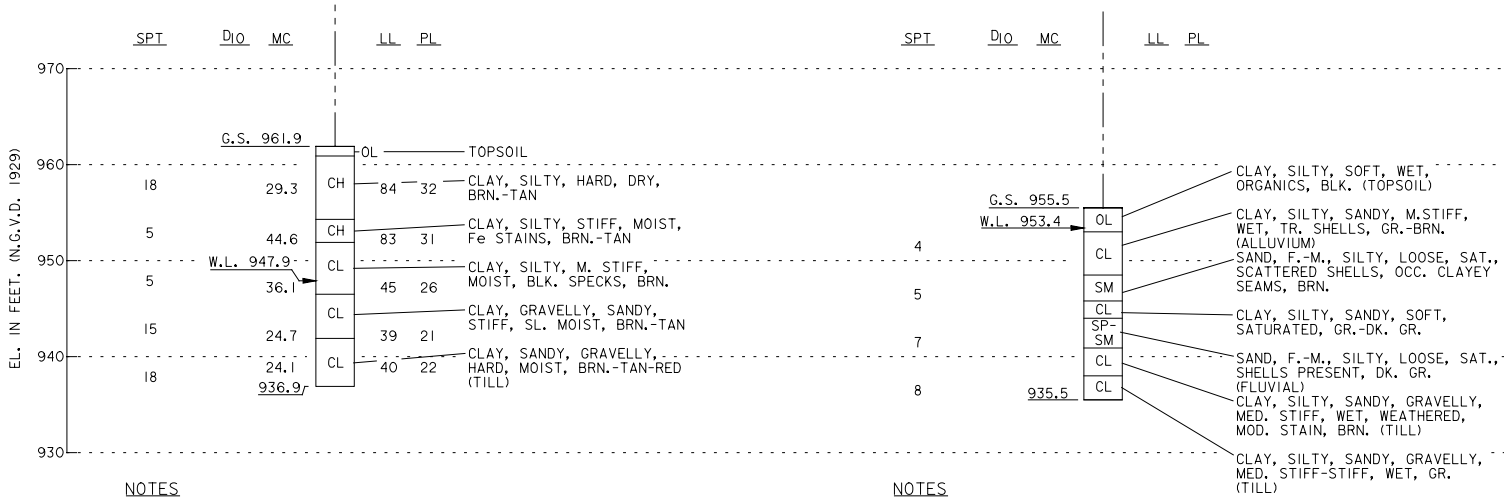
Change the last sentence of this paragraph to read as follows: "Storm sewer pipe connections to concrete manholes and inlets shall be made with mortar.".

Attached are drawing changes regarding Soil Boring Logs. Drawing numbers are as follows:

R-P-WB-10/003 Sht 2 of 3
R-P-WB-10/004 Sht 3 of 3
R-P-WB-10/002 Sht R1 of R25
R-P-WB-10/003 Sht R2 of R25

(End of Summary of Changes)

99-6M
15 APRIL 1999

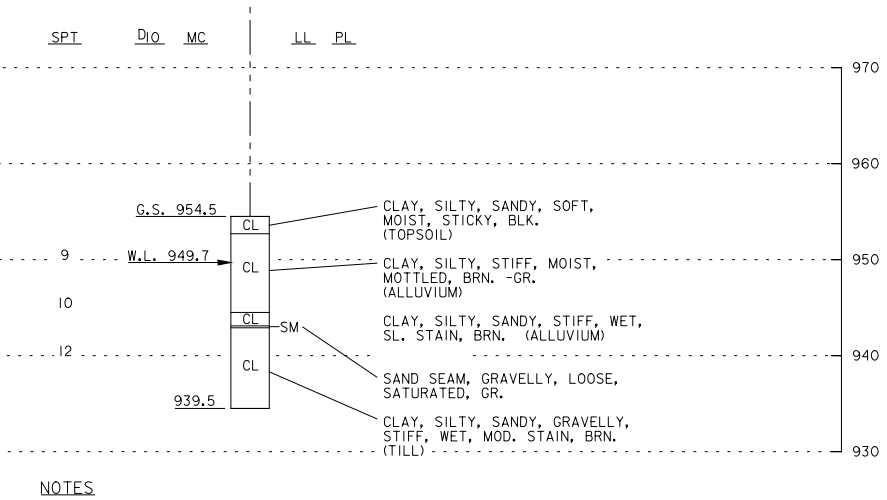


NOTES
1. WATER LEVEL DETERMINED AFTER 135 MINUTES, IN AN OFFSET, UNCASED HOLE OPEN TO EL. 946.9'.
2. HOLLOW STEM AUGER ADVANCED TO EL. 941.9'
3. HOLES BACKFILLED WITH BENTONITE CHIPS.

01-7M
31 MAY 2001

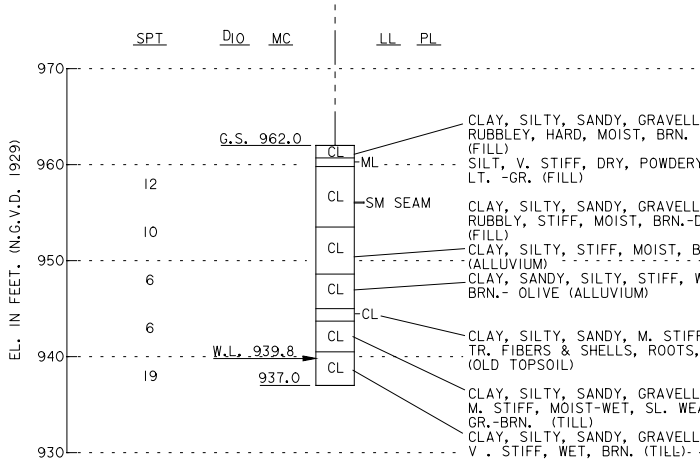
NOTES
1. WATER LEVEL DETERMINED AFTER 140 MINUTES IN AN OFFSET, UNCASED HOLE AUGERED TO EL. 945.5' AND OPEN TO EL. 947.6'.
2. HOLLOW STEM AUGER ADVANCED TO EL. 940.5'
3. HOLES BACKFILLED WITH BENTONITE CHIPS.

01-8M
1 JUNE 2001



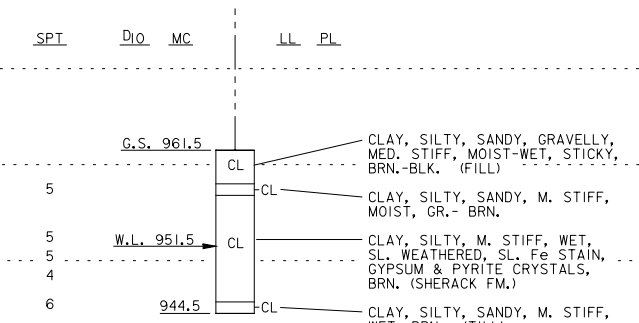
NOTES
1. WATER LEVEL DETERMINED AFTER 2 HOURS IN AN OFFSET, UNCASED HOLE AUGERED TO EL. 949.5' AND OPEN TO EL. 949.7'. WATER LEVEL QUESTIONABLE DUE TO HOLE CAVE IN.
2. HOLLOW STEM AUGER ADVANCED TO EL. 944.5'
3. HOLES BACKFILLED WITH BENTONITE CHIPS.

01-9M
16-17 OCTOBER 2001



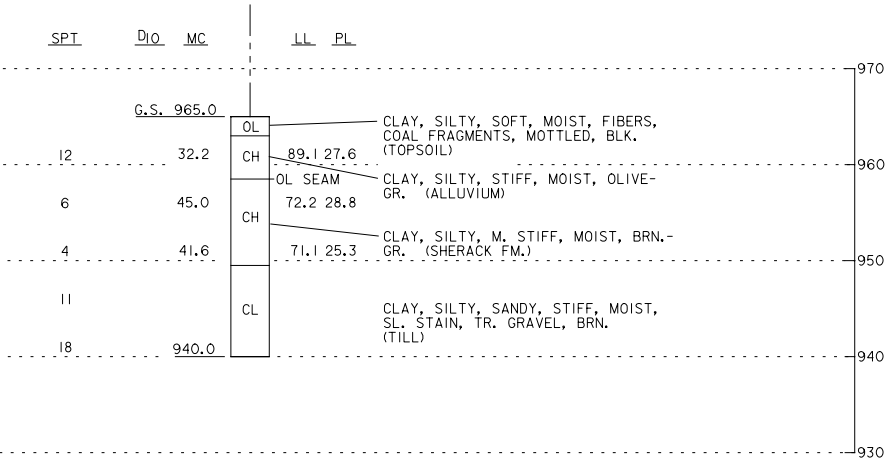
NOTES
1. WATER LEVEL DETERMINED AFTER 14 HOURS WITH BOTTOM OF HOLLOW STEM AUGER AT EL.942.0', SAMPLED TO EL. 937.0', AND HOLE OPEN TO 938.6'.
2. HOLLOW STEM AUGER ADVANCED TO EL. 942.0'
3. HOLE BACKFILLED WITH BENTONITE CHIPS.

01-10M
17 OCTOBER 2001



NOTES
1. WATER LEVEL DETERMINED AFTER APPROX. 10 MINUTES AFTER REMOVING AUGER FROM HOLE.
2. HOLLOW STEM AUGER ADVANCED TO EL. 947.5.'
3. HOLE BACKFILLED WITH BENTONITE CHIPS.

02-11M
26 NOVEMBER 2002



NOTES
1. WATER LEVEL NOT DETERMINED.
2. HOLLOW STEM AUGER ADVANCED TO EL. 945.0.'
3. HOLE BACKFILLED WITH BENTONITE CHIPS.

US Army Corps of Engineers
St. Paul District

Symbol	Description	Date	Appr.

DESIGNED: TJH | CHECKED: TJH | DRAWN: GRS | DESIGNED: | CHECKED:
SCALE: AS SHOWN | DATE: May 2000
CADD FILE NAME: wahpb02f001.dgn
SOLICITATION NO.: DACW37-99-B-0000
AE APPROVING OFFICIAL:

DEPARTMENT OF THE ARMY
ST. PAUL, MINNESOTA
CORPS OF ENGINEERS
ST. PAUL DISTRICT

RESERVED FOR AE LOGO
RESERVED FOR AE ADDRESS
ANYTOWN, USA

WAHPETON, N.D.
GEOLOGIC DATA
BORING LOG: 99-6M, 01-7M, 01-8M, 01-9M, 01-10M & 02-11M

DRAWING NUMBER:
R-P-WB-10/003

SHT 2 OF 2

02-12M
26 NOVEMBER 2002

EL. IN FEET. (N.G.V.D. 1929)

SPT	DIO	MC	LL	PL		
	G.S. 961.0				OL	CLAY, SILTY, FIBEROUS, BLK. (TOPSOIL)
10	37.7	CH	86.6	29.1	CH	CLAY, SILTY, M. STIFF-STIFF, WET, MOIST, WEATHERED, MOD. STAIN, OCC. SLICKENSIDES, SCAT. TR. SAND GRAINS, GR.-BRN. (SHERACK FM.)
4	56.9		95.6	30.9		
7	25.3	CL	37.2	18.2	CL	CLAY, SILTY, SANDY, M. STIFF-STIFF, MOIST, WEATHERED, BRN. (TILL)
14	941.0					

NOTES
1. WATER LEVEL NOT DETERMINED.
2. HOLLOW STEM AUGER ADVANCED TO EL. 946.0.'
3. HOLE BACKFILLED WITH BENTONITE CHIPS.

02-13M
26 NOVEMBER 2002

SPT	DIO	MC	LL	PL		
	G.S. 961.5					CLAY, SILTY, SANDY, GRAVELLY, STIFF, MOIST, TR. COAL, WOOD, & CINDER FRAGMENTS, BLK. (FILL)
14	17.2	CH	57.1	21.8	CH	CLAY, SILTY, SANDY, SILTY, STIFF, MOIST, TR. SHELLS, BLK. (ALLUVIUM)
10	27.0		61.6	20.9		
	29.3	CL	47.1	20.1	CL	CLAY, SILTY, SANDY, M. STIFF, WET-SAT., LAMINATED, BRN. (ALLUVIUM)
5		CL			CL	CLAY, SILTY, SANDY, M. STIFF, WET-SAT., SHELLS, ROOTS, DK. GR. (ALLUVIUM)
4		CL			CL	CLAY, SILTY, SANDY, GRAVELLY, STIFF, MOIST-WET, DK. BRN.-DK. GR. (TILL)
10	936.5					

NOTES
1. WATER LEVEL NOT DETERMINED.
2. HOLLOW STEM AUGER ADVANCED TO EL. 941.5.'
3. HOLE BACKFILLED WITH BENTONITE CHIPS.

02-14M
26 NOVEMBER 2002

SPT	DIO	MC	LL	PL		
	G.S. 962.0					CLAY, SANDY, SILTY GRAVELLY, RUBBLY, M. STIFF, MOIST, TR. SHELLS, BRN.-GR.-BLK. (FILL)
5	36.8	CH	58.6	23.5	CH	
4	47.6		98.9	28.3		CLAY, SILTY, M. STIFF, WET, BRN. (SHERACK FM.)
4	36.8	CH	91.2	28.5		
7	942.0	CL			CL	CLAY, SILTY, SANDY, STIFF, MOIST, BRN. (TILL)

NOTES
1. WATER LEVEL NOT DETERMINED
2. HOLLOW STEM AUGER ADVANCED TO EL. 947.0.'
3. HOLE BACKFILLED WITH BENTONITE CHIPS.

02-15M
26 NOVEMBER 2002

EL. IN FEET. (N.G.V.D. 1929)

SPT	DIO	MC	LL	PL		
	G.S. 961.0					
9		CL			CL	CLAY, SILTY, SANDY, STIFF, MOIST, TR. RUBBLE & CONCRETE FRAGMENTS, BRN.-BLK. (FILL)
6	44.6	CH	68.3	30.4	CH	CLAY, SILTY, SANDY, M. STIFF, MOIST, ROOTS, SHELLS, WOOD FRAGMENTS, BLK. (TOPSOIL)
4		CH				
5						CLAY, SILTY, M. STIFF, WET-SAT., TR. SHELLS & ROOTS, GR.-DK. GR. (ALLUVIUM)
17		CL			CL	CLAY, SILTY, SANDY, GRAVELLY, V. STIFF, MOIST-WET, BRN.-GR. (TILL)
25	931.0					

NOTES
1. WATER LEVEL NOT DETERMINED
2. HOLLOW STEM AUGER ADVANCED TO EL. 936.0.'
3. HOLE BACKFILLED WITH BENTONITE CHIPS.

02-16M
27 NOVEMBER 2002

SPT	DIO	MC	LL	PL		
	G.S. 963.0				OL	
12	35.0	CH	87.5	29.9	CH	CLAY, SILTY, SANDY, M.STIFF, MOIST, ORGANIC, BLK. (TOPSOIL)
7	37.8		71.8	28.4		CLAY, SILTY, M. STIFF-STIFF, MOIST, MOD. STAIN, WEATHERED, BRN.-GR. (SHERACK FM.)
5	41.1		55.6	25.8		
11	943.0	CL			CL	CLAY, SILTY, SANDY, STIFF, MOIST, BRN. (TILL)

NOTES
1. WATER LEVEL NOT DETERMINED.
2. HOLLOW STEM AUGER ADVANCED TO EL. 948.0'
3. HOLE BACKFILLED WITH BENTONITE CHIPS.

02-17M
27 NOVEMBER 2002

SPT	DIO	MC	LL	PL		
	G.S. 955.5					CLAY, SILTY, SANDY, M. STIFF, WET, GR.- DK. GR. (ALLUVIUM)
6	30.8	CL	48.9	20.8	CL	CLAY, SILTY, SANDY, SOFT, WET, DK. GR. (ALLUVIUM)
3	27.4	CL	33.3	17.6		SAND, F.-C., SILTY, GRAVELLY, LOOSE, SAT., SHELLS, GR.
		SM				
7	940.5	CL			CL	CLAY, SILTY, SANDY, M. STIFF, WET, MOD. STAIN, WEATHERED, BRN. (TILL)

NOTES
1. WATER LEVEL NOT DETERMINED.
2. HOLLOW STEM AUGER ADVANCED TO EL. 945.5'
3. HOLE BACKFILLED WITH BENTONITE CHIPS.

US Army Corps of Engineers
St. Paul District

Symbol	Description	Date	Appr.

DESIGNED: TJH | CHECKED: TJH | DRAWN: GRS | SCALE: AS SHOWN | DATE: May 2000
CADD FILE NAME: wahpbtx2\002.dgn
SOLICITATION NO. DACW37-99-B-0000
DESIGNED: | CHECKED: | AE APPROVING OFFICIAL:

DEPARTMENT OF THE ARMY
ST. PAUL, MINNESOTA
CORPS OF ENGINEERS
ST. PAUL DISTRICT

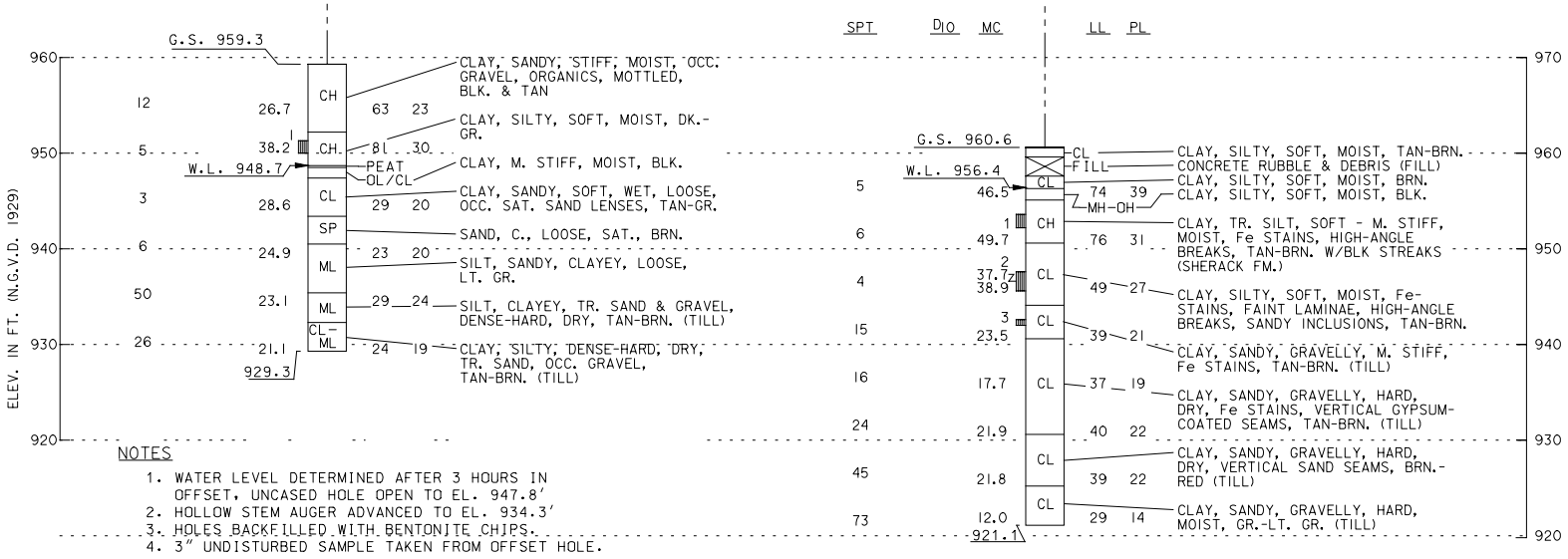
RESERVED FOR AE LOGO
RESERVED FOR AE ADDRESS
ANYTOWN, USA

WAHPETON, N.D.
GEOLOGIC DATA
BORING LOG: 02-12M, 02-13M, 02-14M, 02-15M, 02-16M & 02-17M

DRAWING NUMBER:
R-P-WB-10/004

SHT 3 OF 3

99-2M
13 JULY 1999

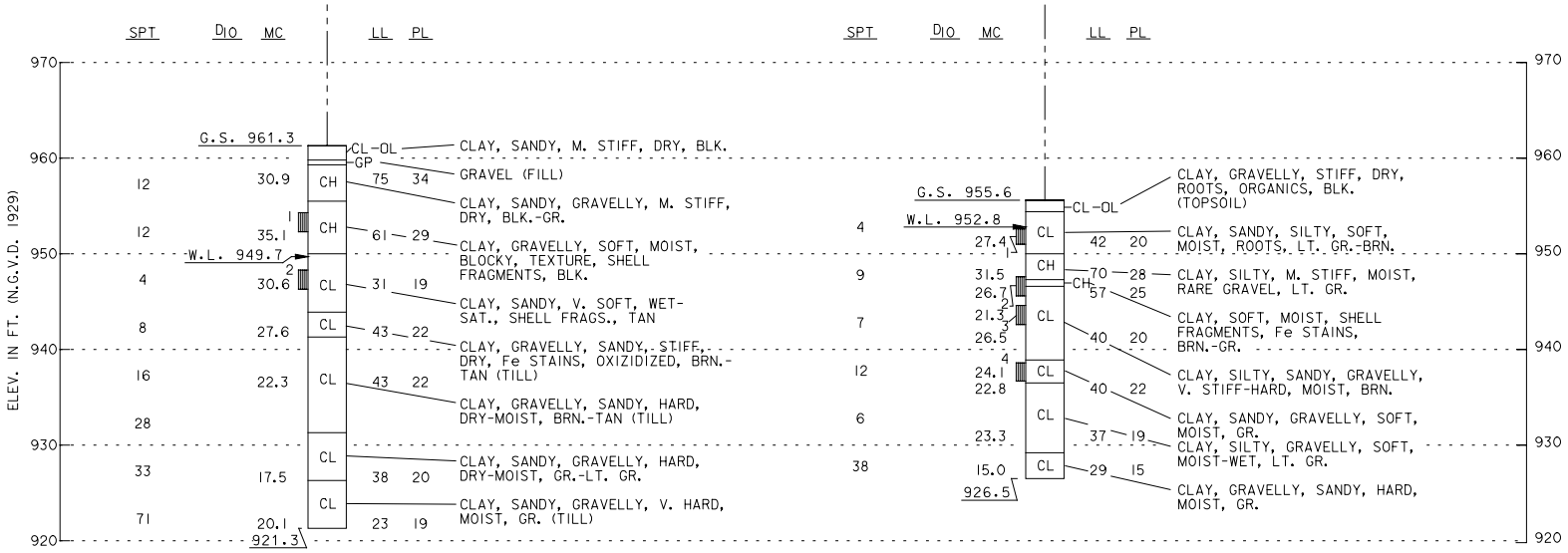


NOTES
1. WATER LEVEL DETERMINED AFTER 3 HOURS IN OFFSET, UNCASED HOLE OPEN TO EL. 947.8'
2. HOLLOW STEM AUGER ADVANCED TO EL. 934.3'
3. HOLES BACKFILLED WITH BENTONITE CHIPS.
4. 3" UNDISTURBED SAMPLE TAKEN FROM OFFSET HOLE.

99-3M
14 JULY 1999

NOTES
1. WATER LEVEL DETERMINED AFTER 4 HOURS IN AN OFFSET, UNCASED HOLE OPEN TO EL. 948.4'.
2. HOLLOW STEM AUGER ADVANCED TO EL. 925.6'
3. HOLES BACKFILLED WITH BENTONITE CHIPS.
4. 3" UNDISTURBED SAMPLES TAKEN FROM OFFSET HOLE.

99-4M
14 JULY 1999



NOTES
1. WATER LEVEL DETERMINED AFTER 18 HOURS IN OFFSET, UNCASED HOLE OPEN TO EL. 947.4'
2. HOLLOW STEM AUGER ADVANCED TO EL. 926.3'
3. HOLES BACKFILLED WITH BENTONITE CHIPS.
4. 3" UNDISTURBED SAMPLES TAKEN FROM OFFSET HOLE.

99-5M
19 APRIL 1999

NOTES
1. WATER LEVEL DETERMINED AFTER 2 HOURS IN AN OFFSET, UNCASED HOLE OPEN TO EL. 942.5'
2. HOLLOW STEM AUGER ADVANCED TO EL. 931.5'
3. HOLES BACKFILLED WITH BENTONITE CHIPS.
4. 3" UNDISTURBED SAMPLES TAKEN FROM OFFSET HOLE.

GENERAL BORING LEGEND

84-IM	YEAR OF BORING-BORING NUMBER, BORING TYPE (EG: M=MACHINE, A=AUGER, TP=TEST PIT, P=PIEZOMETER).
1 MAY 1984	DATE OF BORING
G.S. 1020.2	GROUND SURFACE ELEVATION AT BORING
GW	WELL GRADED GRAVELS, GRAVEL - SAND MIXTURE, LITTLE OR NO FINES
GP	POORLY GRADED GRAVELS, LITTLE OR NO FINES
GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES
GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES
SW	WELL GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
SP	POORLY GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
SM	SILTY SANDS, SAND - SILT MIXTURES
SC	CLAYEY SANDS, SAND - CLAY MIXTURES
ML	INORGANIC SILTS, LIQUID LIMIT LESS THAN 50
MH	INORGANIC SILTS, LIQUID LIMIT GREATER THAN 50
CL	INORGANIC CLAYS, LOW TO MEDIUM PLASTICITY, LIQUID LIMIT LESS THAN 50
CH	INORGANIC CLAYS, HIGH PLASTICITY, LIQUID LIMIT GREATER THAN 50
OL	ORGANIC SILTS OR CLAYS, LOW PLASTICITY, LIQUID LIMIT LESS THAN 50
OH	ORGANIC SILTS OR CLAYS, MEDIUM TO HIGH PLASTICITY, LIQUID LIMIT GREATER THAN 50
PT	PEAT
SP-SM	BORDERLINE MATERIAL
SP&SM	STRATIFIED MATERIAL
1	LOCATION AND SAMPLE NUMBER FOR UNDISTURBED SAMPLE
	NO RECOVERY
W.L. 726.7	WATER LEVEL ON DATE OF BORING
700.0	ELEVATION AT BOTTOM OF BORING

GENERAL BORING NOTES

1. GENERAL: THE UNIFIED SOIL CLASSIFICATION SYSTEM IS USED TO IDENTIFY BASIC SOIL TYPE. THE LEGEND REPRESENTS ONLY THE BASIC SOILS. TO COMPLETE THE CLASSIFICATION, PERTINENT INFORMATION IS ADDED TO THE RIGHT OF THE BORING STAFF, NOTES PERTAINING TO A SPECIFIC BORING ARE SHOWN BELOW THE BORING STAFF.

2. MOISTURE CONTENT: THE NATURAL MOISTURE CONTENT IN PERCENT OF DRY WEIGHT (MC) IS SHOWN TO THE LEFT OF THE BORING STAFF.

3. BLOW COUNT (SPT): BLOW COUNTS ARE SHOWN TO THE LEFT OF THE BORING STAFF AND, EXCEPT AS NOTED, ARE THE NUMBER OF BLOWS NECESSARY TO DRIVE THE SAMPLER USED A DISTANCE OF 12". STANDARD BLOW COUNTS ARE FOR A STANDARD PENETRATION TEST (SPT) USING A 1⅜" X 2" SAMPLER, 140 LB. HAMMER AND A 30" DROP. FOR NON-STANDARD BLOW COUNTS, SAMPLER SIZE, HAMMER WEIGHT AND HEIGHT OF DROP ARE AS SHOWN.

4. ATTERBERG LIMITS: LIQUID LIMIT (LL) AND PLASTIC LIMIT (PL) ARE SHOWN TO THE RIGHT OF THE BORING STAFF.

5. D_{10} SIZE: THE GRAIN SIZE IN MILLIMETERS OF WHICH 10% OF THE SAMPLE IS FINER IS SHOWN TO THE LEFT OF THE BORING STAFF.

6. RQD: ROCK QUALITY DESIGNATION (RQD) IS SHOWN TO THE LEFT OF THE PERCENT RECOVERY COLUMN. ROD IS THE PERCENT RECOVERY CONSISTING OF UNBROKEN PIECES LONGER THAN 4".

7. % RECOVERY: PERCENT CORE RECOVERY IS SHOWN TO THE LEFT OF THE BORING STAFF. PERCENT RECOVERY IS LENGTH OF CORE RECOVERED/LENGTH OF CORE CUT X 100. UNLESS SPECIFIED OTHERWISE, ALL CORE IS 4" DIAMETER.

8. ELEVATIONS REFERENCED TO N.G.V.D., 1912 ADJUSTED.

9 THE BORINGS SHOW SUMMARIES OF INFORMATION RECORDED ON THE ORIGINAL FIELD LOGS. THESE LOGS ARE AVAILABLE FOR INSPECTION AT THE ST. PAUL DISTRICT OFFICE. ARRANGEMENTS TO INSPECT LOGS CAN BE MADE BY CALLING (651) 290-5606.

LOGS FOR SOIL BORINGS 02-11M THROUGH 02-17M CAN BE OBTAINED BY CALLING TOM HINGSBERGER AT THE ST.PAUL DISTRICT OFFICE AT (651) 290-5606.

US Army Corps of Engineers
St. Paul District

Symbol	Description	Date	Appr.

DESIGNED: TJH | SCALE: AS SHOWN | DATE: MAY 2000
CHECKED: TJH | CADD FILE NAME: wapnhy21000.dgn
DRAWN: GRS | SOLNO: DACW37-99-B-0000
REVIEWED: XXX/XXX | AE APPROVING OFFICIAL: XXX/XXX
CHECKED: XXX/XXX

DEPARTMENT OF THE ARMY
ST. PAUL, MINNESOTA
CORPS OF ENGINEERS
ST. PAUL DISTRICT

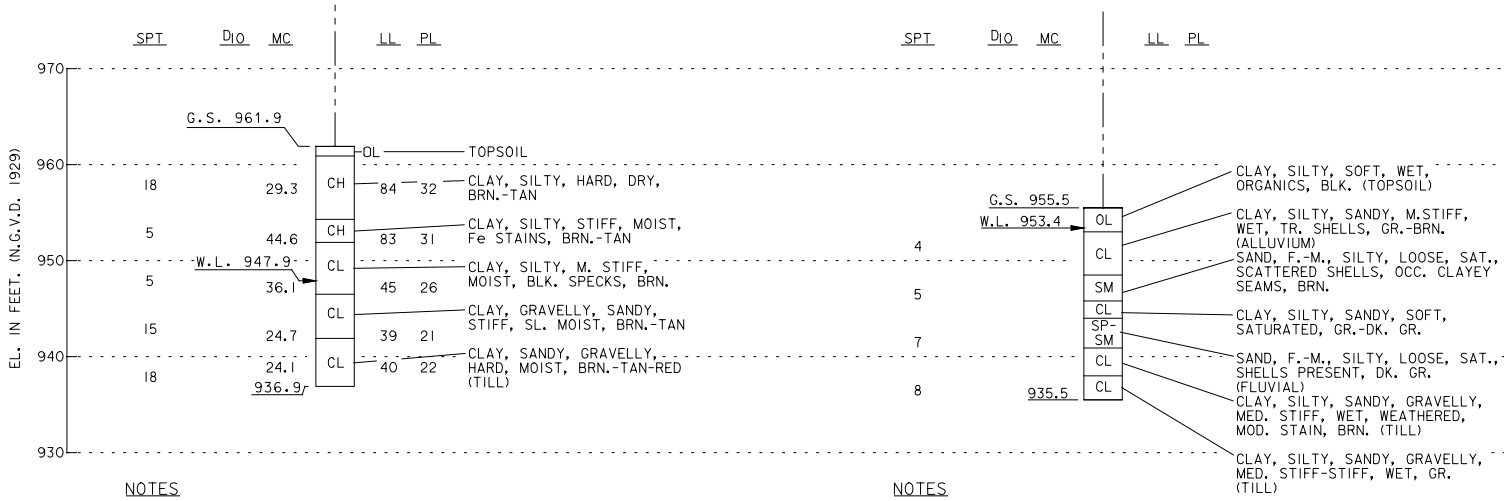
RESERVED FOR AE LOGO
RESERVED FOR AE ADDRESS
ANYTOWN, USA

WAHPETON, N.D.
GEOLOGIC DATA
GENERAL BORING NOTES AND LEGEND
BORING LOGS: 99-2M THRU 99-5M

DRAWING NUMBER:
R-P-WB-10/002

SHT RI OF R25

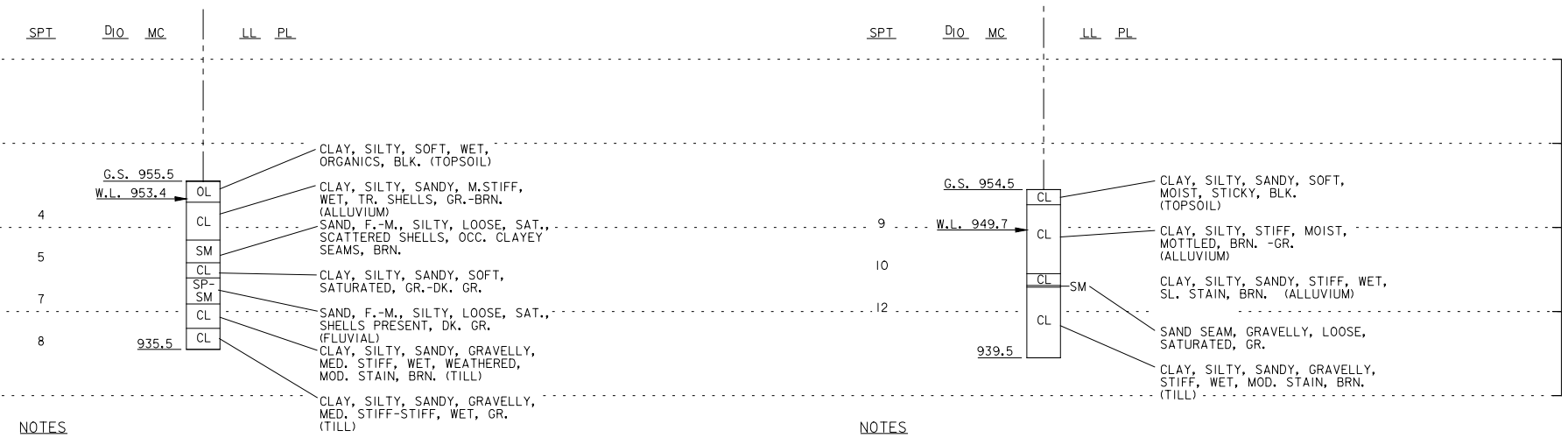
99-6M
15 APRIL 1999



NOTES

1. WATER LEVEL DETERMINED AFTER 135 MINUTES, IN AN OFFSET, UNCASED HOLE OPEN TO EL. 946.9′.
2. HOLLOW STEM AUGER ADVANCED TO EL. 941.9′
3. HOLES BACKFILLED WITH BENTONITE CHIPS.

01-7M
31 MAY 2001



NOTES

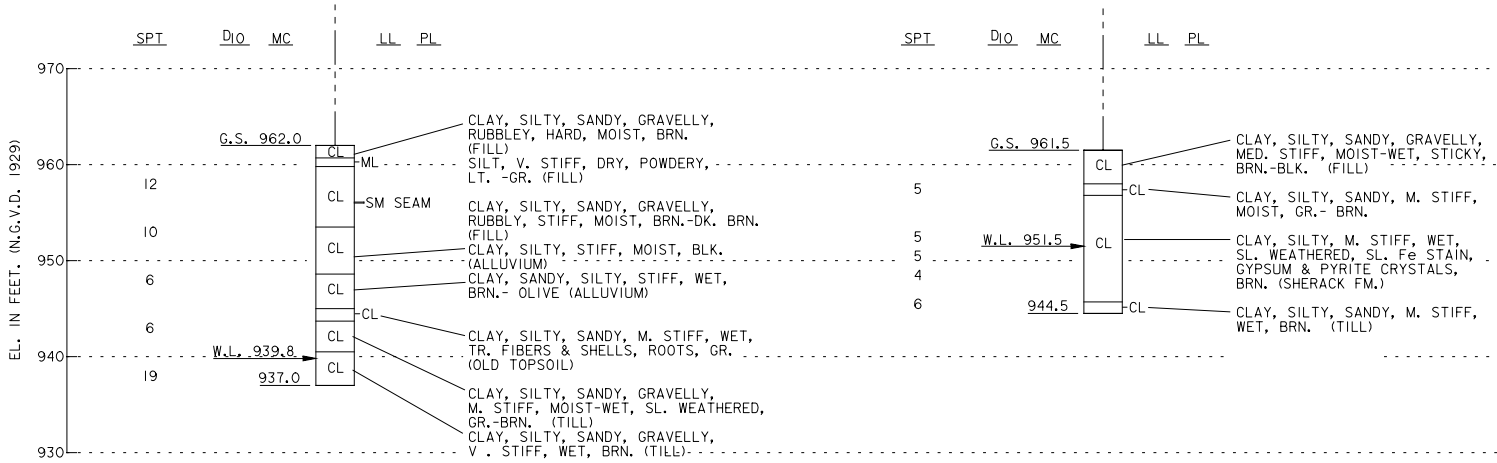
1. WATER LEVEL DETERMINED AFTER 140 MINUTES IN AN OFFSET, UNCASED HOLE AUGERED TO EL. 945.5′ AND OPEN TO EL. 947.6′.
2. HOLLOW STEM AUGER ADVANCED TO EL. 940.5′
3. HOLES BACKFILLED WITH BENTONITE CHIPS.

01-8M
1 JUNE 2001

NOTES

1. WATER LEVEL DETERMINED AFTER 2 HOURS IN AN OFFSET, UNCASED HOLE AUGERED TO EL. 949.5′ AND OPEN TO EL. 949.7′. WATER LEVEL QUESTIONABLE DUE TO HOLE CAVE IN.
2. HOLLOW STEM AUGER ADVANCED TO EL. 944.5′
3. HOLES BACKFILLED WITH BENTONITE CHIPS.

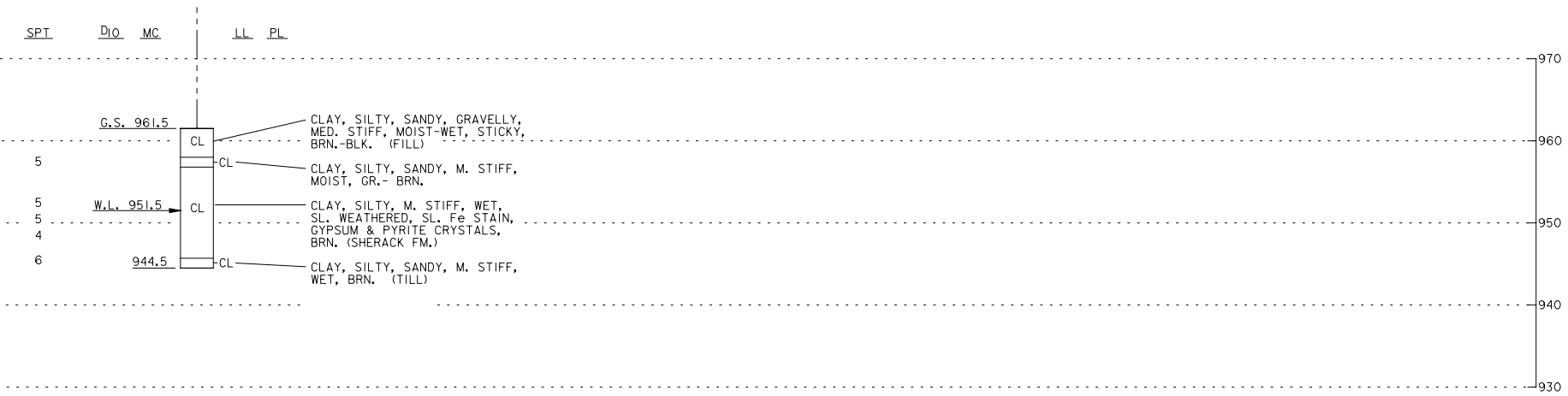
01-9M
16-17 OCTOBER 2001



NOTES

1. WATER LEVEL DETERMINED AFTER 14 HOURS WITH BOTTOM OF HOLLOW STEM AUGER AT EL.942.0′, SAMPLED TO EL. 937.0′, AND HOLE OPEN TO 938.6′.
2. HOLLOW STEM AUGER ADVANCED TO EL. 942.0′
3. HOLE BACKFILLED WITH BENTONITE CHIPS.

01-10M
17 OCTOBER 2001



NOTES

1. WATER LEVEL DETERMINED AFTER APPROX. 10 MINUTES AFTER REMOVING AUGER FROM HOLE.
2. HOLLOW STEM AUGER ADVANCED TO EL. 947.5.′
3. HOLE BACKFILLED WITH BENTONITE CHIPS.

US Army Corps of Engineers
St. Paul District

Symbol	Description	Date	Appr.

DESIGNED: TJH | CHECKED: TJH | DRAWN: GRS | REVIEWED: XXX/XXX | CHECKED: XXX/XXX
SCALE: AS SHOWN | DATE: May 2000
CADD FILE NAME: wahpb02f001.dgn
SOLICITATION NO.: DACW37-99-B-0000
AE APPROVING OFFICIAL:

DEPARTMENT OF THE ARMY
ST. PAUL, MINNESOTA
CORPS OF ENGINEERS
ST. PAUL DISTRICT

RESERVED FOR AE LOGO
RESERVED FOR AE ADDRESS
ANYTOWN, USA

WAHPETON, N.D.
GEOLOGIC DATA
BORING LOG: 99-6M, 01-7M, 01-8M, 01-9M & 01-10M

DRAWING NUMBER:
R-P-WB-10/003

SHT R2 OF R25