



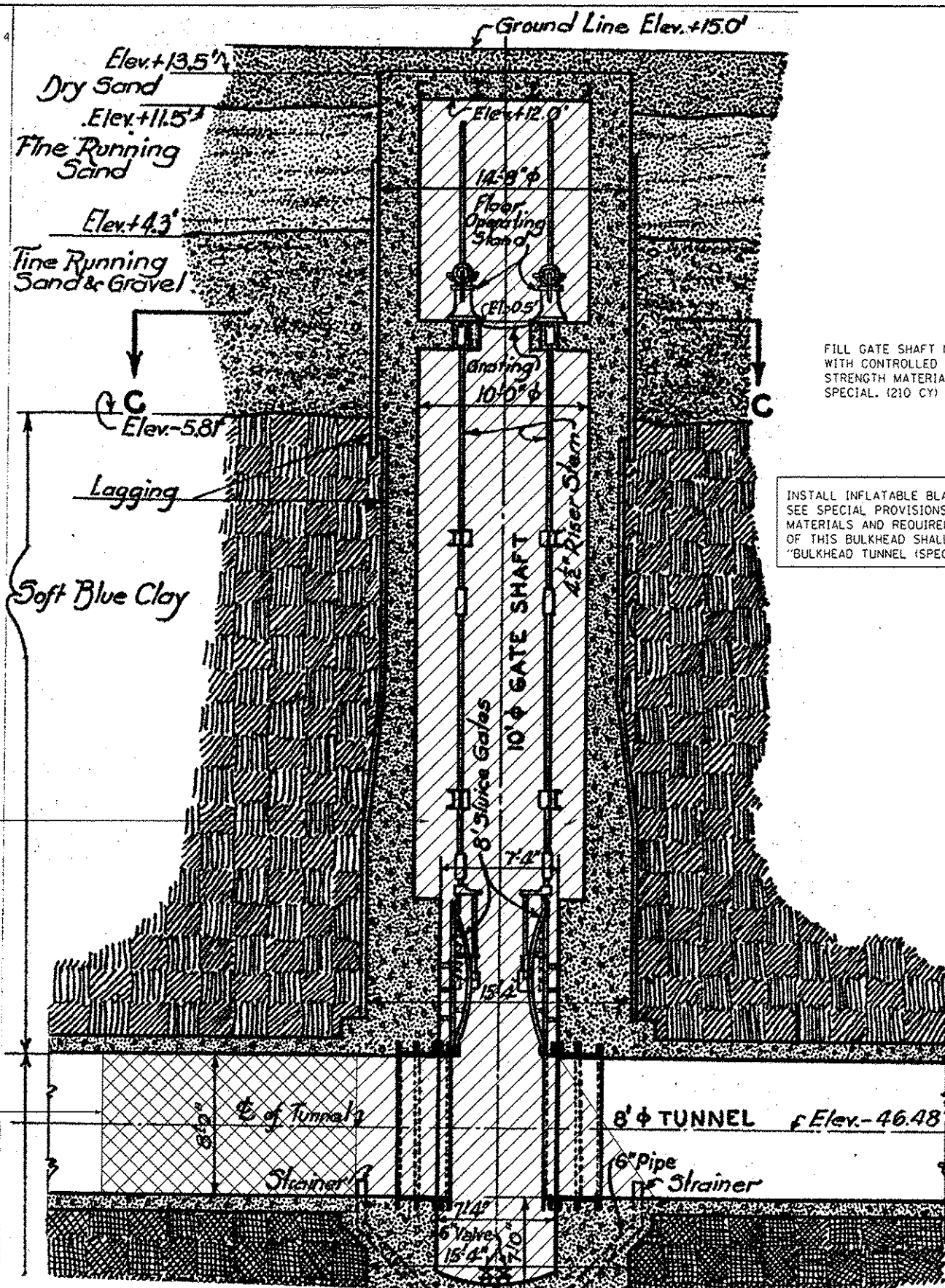
LOCATION MAP
NTS

FILL GATE SHAFT NO. 2 WITH CONTROLLED LOW STRENGTH MATERIAL (CLSM), SPECIAL.

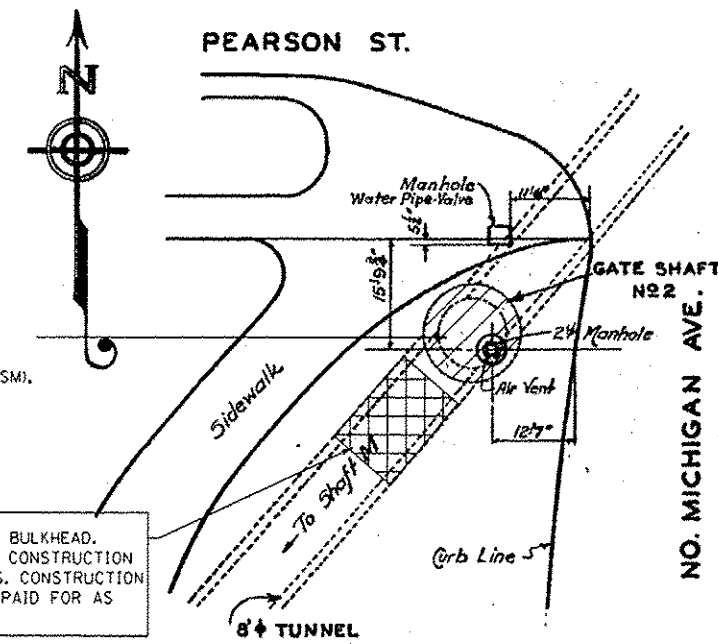
INFLATABLE BLADDER BULKHEAD.

LEGEND

-  LOW STRENGTH MATERIAL (CLSM), SPECIAL
-  INFLATABLE BLADDER BULKHEAD



SECTION VIEW
NTS



PLAN VIEW
NTS

FILL GATE SHAFT NO. 2 WITH CONTROLLED LOW STRENGTH MATERIAL (CLSM), SPECIAL. (210 CY)

INSTALL INFLATABLE BLADDER BULKHEAD. SEE SPECIAL PROVISIONS FOR CONSTRUCTION MATERIALS AND REQUIREMENTS. CONSTRUCTION OF THIS BULKHEAD SHALL BE PAID FOR AS "BULKHEAD TUNNEL (SPECIAL)".

NOTES:

THE GATE SHAFT AND TUNNEL CONTAINS WATER TO APPROXIMATE ELEVATION +6.0.

TREMIE METHODS WILL BE REQUIRED FOR DEPOSITING THE CONCRETE UNDERWATER IN ACCORDANCE WITH SECTION 503.09 OF THE STANDARD SPECIFICATIONS AND THE PROJECT SPECIAL PROVISIONS.

INSTALL INFLATABLE BLADDER SUCH THAT THE END OF THE BLADDER IS TO THE STATION SIDE (TOWARDS SHAFT "M") OF THE EXISTING STRAINER AND SIPHON PIPE. INFLATE BULKHEAD AND FILL WITH GROUT USING PROCEDURES DESCRIBED IN THE PROJECT SPECIAL PROVISIONS.

FILLING OF GATE SHAFT NO. 2 SHALL COMMENCE ONCE THE COMPRESSIVE STRENGTH OF THE BULKHEAD ACHIEVES 2,000 PSI IN 2-3 DAYS AFTER PLACEMENT. CONCRETE CYLINDERS SHALL BE CAST AND BROKEN TO VERIFY THE CONCRETE COMPRESSIVE STRENGTH. SUBMIT THE TEST RESULTS TO THE ENGINEER FOR APPROVAL.

THE FILLING OF THE SHAFT WITH CONTROLLED LOW STRENGTH MATERIAL WILL BE MEASURED FOR PAYMENT SEPARATELY FROM THE BULKHEAD INSTALLATION AND SHALL BE PAID FOR AS CONTROLLED LOW STRENGTH MATERIAL, SPECIAL.

LANE CLOSURES FOR STAGING OF CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH STD. 701601 ALONG E PEARSON ST. NO CLOSURES SHALL BE ALLOWED ON MICHIGAN AVE WITHOUT PRIOR AUTHORIZATION OF THE ENGINEER.

COLLINS ENGINEERS

USER NAME : mrampler	DESIGNED -	REVISED -
PLOT SCALE : 20.0000' / 1" =	DRAWN -	REVISED -
PLOT DATE : 7/11/2013	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN - LOCATION NO. 4
GATE SHAFT NO. 2

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	0101.6-2P-1-3 (13)	COOK	37	11A
CONTRACT NO. 60W36			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

SCALE: SHEET NO. OF SHEETS STA. TO STA.