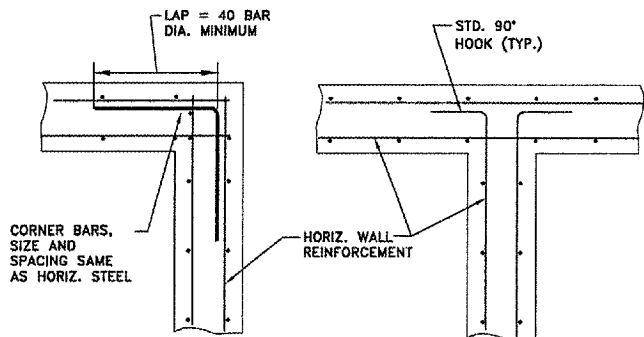
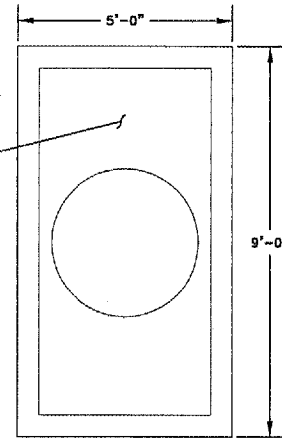


SINGLE MAT REINFORCEMENT



1 CORNER REINFORCEMENT DETAIL
28/N.T.S.

REMOVE EXISTING CONCRETE TOP SLAB INCLUDING MANHOLE FRAME AND LID. THE MANHOLE FRAME AND LID SHALL BE SAVED AND RE-CAST WITH NEW CAST IN PLACE CONCRETE TOP SLAB. SEE PLAN BELOW. COST OF CONCRETE REMOVAL SHALL BE INCLUDED IN THE COST PER CU. YD. OF CONCRETE STRUCTURES.



2 DEMOLITION PLAN
28/N.T.S.

MIN. BAR LAPS

SIZE	LENGTH
#4	24"
#5	30"
#6	36"

ESTIMATED QUANTITIES

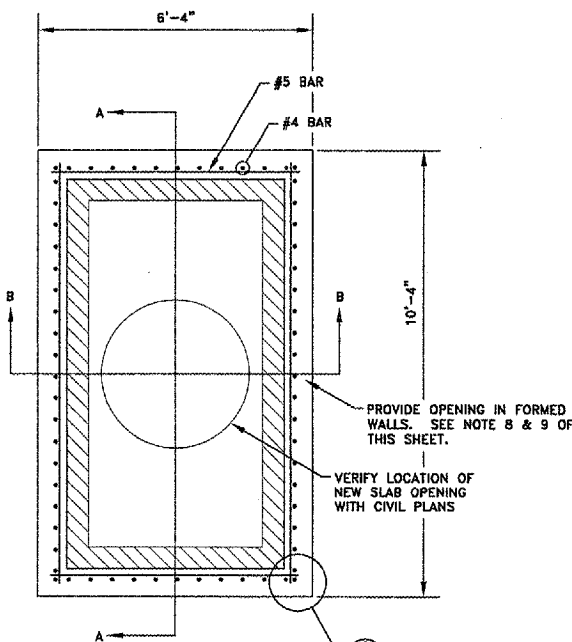
ITEM	QUANTITY
CONCRETE STRUCTURES CU. YDS.	11.0
REINFORCEMENT BARS LBS.	1330

GENERAL INFORMATION

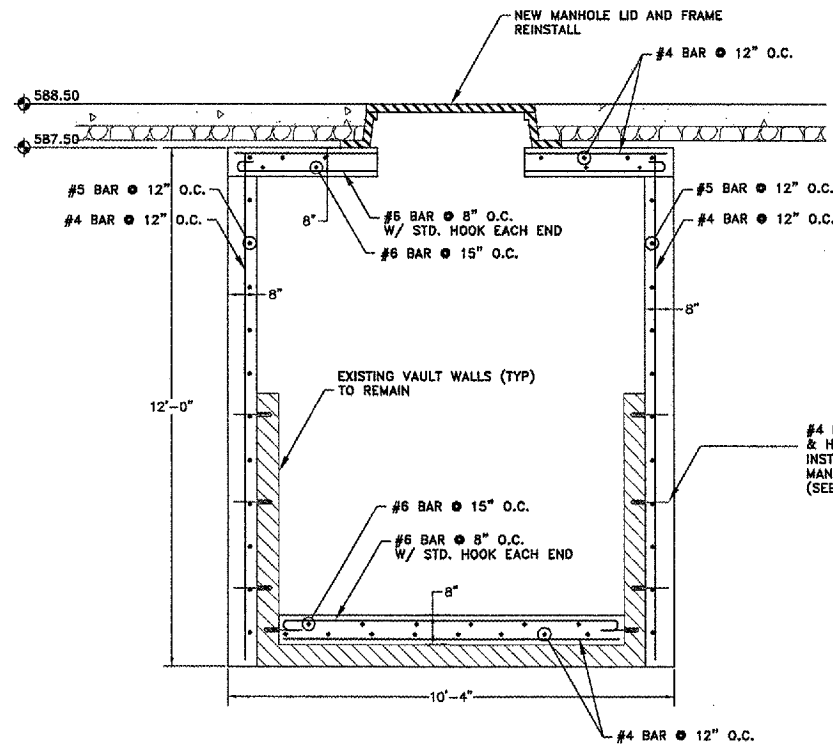
1. THE INTENT OF THESE PLANS AND SPECIFICATIONS IS TO PRESENT THE PROJECT REQUIREMENTS FOR ALL WORK NECESSARY TO PROVIDE THE COMPLETE STRUCTURE CALLED FOR AND AS SHOWN ON THESE PLANS. MAJOR DETAILS HAVE BEEN SHOWN ON THE DRAWINGS; HOWEVER, CERTAIN MINOR DETAILS MUST BE WORKED OUT IN THE FIELD BY THE CONTRACTOR.
2. VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO COMMENCING CONSTRUCTION.

NOTES:

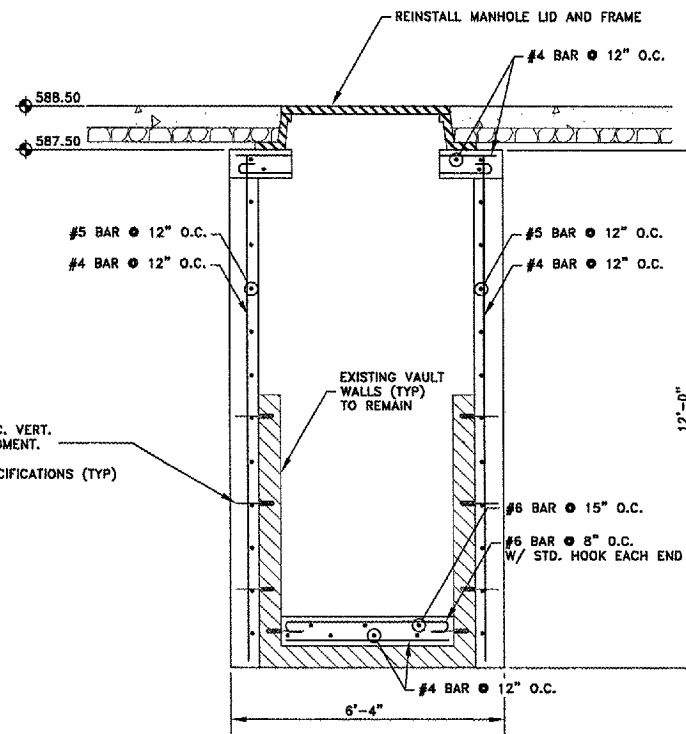
1. ALL WORK SHALL CONFORM TO ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, IN PARTICULAR, SECTION 503 FOR CONCRETE STRUCTURES.
2. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3500 PSI AT 28 DAYS, MAXIMUM SLUMP OF 4" AND AIR ENTRAINED 6%±2%.
3. ALL CONCRETE WORK SHALL BE PLACED IN ACCORDANCE TO THE LATEST EDITION OF ACI 301.
4. REINFORCING STEEL SHALL MEET THE REQUIREMENTS OF ASTM A615 GRADE 60 DEFORMED BARS.
5. 3/4" CHAMFER ALL EXPOSED EDGES.
6. ALL CONSTRUCTION JOINTS SHALL BE BONDED.
7. BACKFILL ON ALL SIDES EQUALLY. THE CONTRACTOR SHALL TAKE CARE TO ENSURE USE OF SUITABLE MATERIAL AND PROPER COMPACTION OF ALL FILL AREAS. COMPACTION SHALL BE PERFORMED WITH A LOOSE THICKNESS OF NO MORE THAN 8" AND EACH LIFT SHALL BE COMPACTED TO A DENSITY EQUAL TO OR GREATER THAN 95% STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D-998), TAKING CARE NOT TO OVERCOMPACT THE SOIL DIRECTLY BEHIND THE WALL. SOIL MOISTURE SHALL BE WITHIN -2 TO +3% OF OPTIMUM.
8. COORDINATE THE LOCATION OF THE UTILITY SLEEVE IN THE NEW CIP WALL WITH THE EXISTING UTILITY LINE SUCH THAT THERE IS NO INTERRUPTION OF SERVICE BEFORE, DURING OR AFTER CONSTRUCTION.
9. THE CONTRACTOR IS RESPONSIBLE FOR THE TEMPORARY SUPPORT OF THE UTILITY CABLE DURING CONSTRUCTION.
10. THE EXISTING CONCRETE VAULT AND METAL RACKS WITHIN ARE TO REMAIN. THE CONTRACTOR SHALL EXERCISE CARE SO AS NOT TO DAMAGE THE EXISTING MATERIALS.
11. ALL EXCAVATIONS MUST BE SAFELY CASED, SHEETED, SHORED OR BRACED IN ACCORDANCE WITH OSHA REQUIREMENTS.
12. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONFINED SPACE ENTRY REQUIREMENTS.
13. COST OF FURNISHING AND INSTALLING #4 EPOXY DOWELS SHALL BE INCLUDED IN THE COST PER CU. YD. OF CONCRETE STRUCTURES.



3 VAULT DETAIL
28/PLAN VIEW
N.T.S.



VAULT DETAIL
SECTION A-A
N.T.S.



VAULT DETAIL
SECTION B-B
N.T.S.

IL. PROJ: MLI-3673 AIP PROJ: 3-17-0068-XX

REVISIONS

NO.	ITEM	DATE

PLOTTING SCALE: 1" = 1"

DRAWN BY: VAC

CHECKED BY: AAG

DATE: MARCH 2007