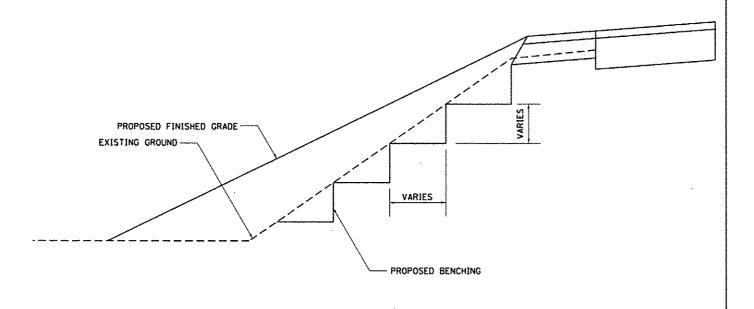
TYPICAL BENCHING ON EXISTING EMBANKMENT

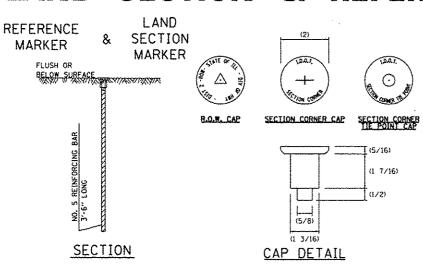


REVISED - 2-22-06

TYPICAL BENCHING ON EXISTING EMBANKMENT

50.4

LAND SECTION & REFERENCE MARKERS



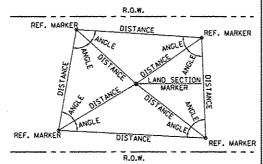
METHOD OF REFERENCING POINTS

REFERENCE MARKERS SHALL BE USED TO TIE IN PERMANENT LAND SECTION AND 1/4 SECTION CORNERS. WHERE LAND SECTION MARKERS FALL IN THE SHOULDERS OR GRAVEL SURFACES, THE TOP OF THE BAR SHALL BE KEPT 3" BELOW THE SURFACE. LAND SECTION MARKERS LOCATED IN TRAFFIC LANES SHALL BE REPLACED BY CORE DRILL AND RESETTING PIN.

ALUMINUM CAPS SHALL BE PLACED ON TOP OF THE REINFORCEMENT BAR. THERE ARE 3 TYPES OF CAPS, ONE FOR THE RIGHT-OF-WAY CORNERS, ONE FOR THE SECTION CORNERS AND ONE FOR THE SECTION CORNER TIE POINTS. THE CAPS WILL BE SUPPLIED BY THE SURVEYOR WHO IS RESPONSIBLE FOR MONUMENTING CORNERS.

REVISED - 03-05-10

METHOD OF REFERENCING MARKERS



USE INSTRUMENT TIES TO NEARBY LAND-MARKS (STEEPLES, TOWERS, SILOS, ETC ...) IN CULTIVATED FIELDS, SET 28" OR MORE BELOW GROUND SURFACE.

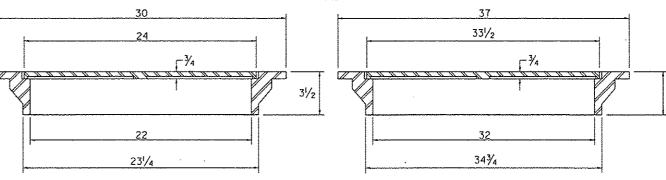
IN FENCE LINE OR PROTECTED AREA SET TOP AT GROUND LEVEL SO AS NOT TO BE DISTURBED BY MOWING.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

FIELD TILE JUNCTION VAULTS 24 AND 36 DIA.

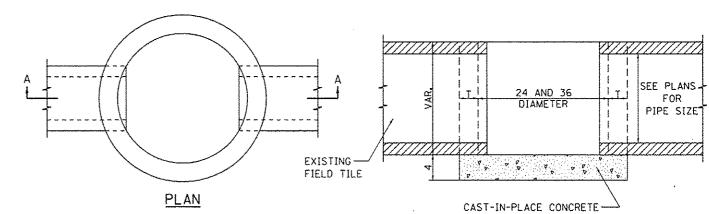


FRAME & LID FOR 36 VAULT



TOTAL WEIGHT: 146 LBS.

TOTAL WEIGHT: 280 LBS.

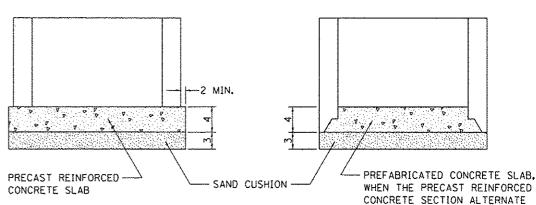


ALTERNATE MATERIALS FOR WALLS	T
BRICK MASONRY	8
CAST-IN-PLACE CONCRETE	6
CONCRETE MASONRY UNIT	5
PRECAST REINFORCED CONCRETE SECTION	3

NOTE: THE FRAME AND LID IS REQUIRED ON ALL JUNCTION VAULTS.

SECTION A-A

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.



ALTERNATE METHODS

REVISED - 10-14-11 TOTAL SHEETS NO. SECTION COUNTY REVISED -REGION 2 / DISTRICT 2 STANDARD HENRY 210 100 3T & 3BR-1 CONTRACT NO. 64F25 SHEETS STA, TO STA. REVISED -SCALE: 20,0000 '/ in SHEET NO. OF FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

63.4°LOT DATE = Fri Oct 19 13(3:51 2012

REVISED

IS USED.