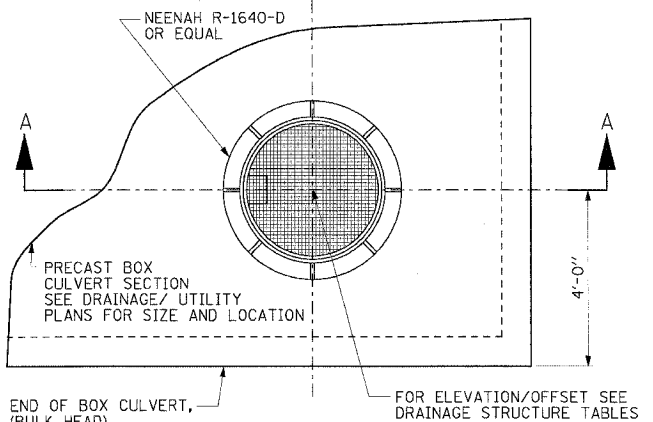
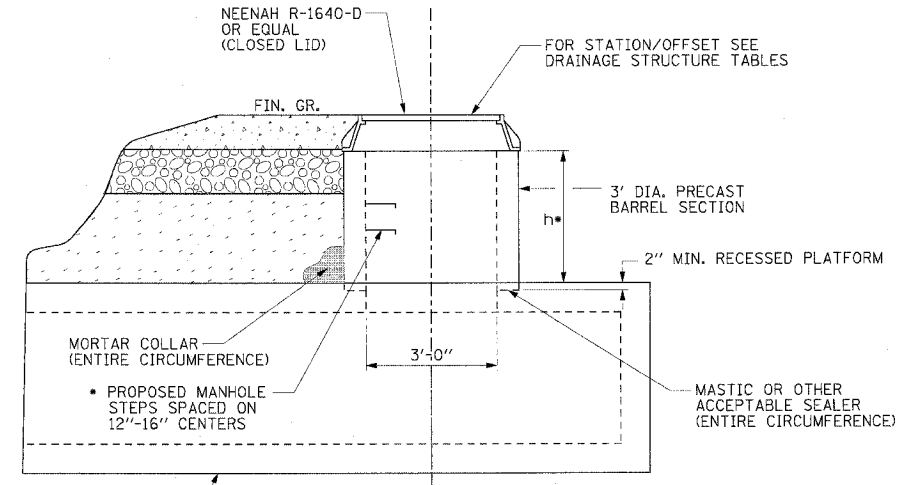


|                     |           |                           |              |           |
|---------------------|-----------|---------------------------|--------------|-----------|
| F.A.P. RTE.         | SECTION   | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 575                 | (B&I) R-3 | WILL                      | 390          | 238       |
| STA.                |           | TO STA.                   |              |           |
| FED. ROAD DIST. NO. |           | ILLINOIS FED. AID PROJECT |              |           |
| CONTRACT NO. 60961  |           |                           |              |           |



MANHOLE ACCESS-PLAN VIEW

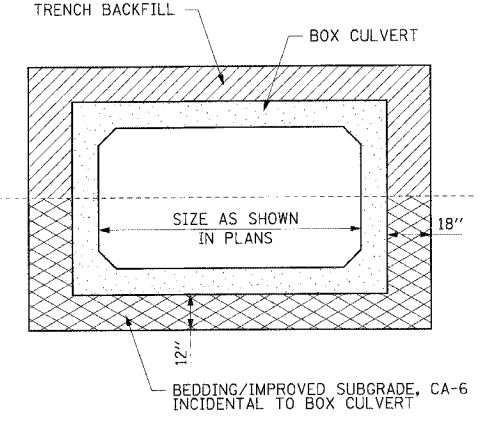


SECTION A-A

MANHOLE FOR ACCESS TO THE BOX CULVERT STRUCTURES SHALL BE PAID UNDER ITEM, MANHOLES, SPECIAL, WITH SPECIAL FRAME AND GRATE. MORTAR COLLAR AND MASTIC SEALER FOR CONNECTION SHALL NOT BE PAID FOR SEPERATELY BUT SHALL BE INCLUDED IN THE COST OF MANHOLE, SPECIAL, WITH SPECIAL FRAME AND CLOSED LID.

\* NOTE: MANHOLE STEPS SHALL BE OMITTED IF "h" IS LESS THAN ONE FOOT HIGH

MANHOLE ACCESS FOR BOX CULVERT



BOX CULVERT BEDDING DETAIL

CONSTRUCTION METHODS

1. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICATION PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.

GENERAL

- CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.
- HOT MASTIC JOINT SEALER SHALL CONFORM TO SECTION 1056 AND 1057 OF THE STANDARD SPECIFICATIONS. COST IS INCLUDED IN COST OF PROPOSED STORM SEWER.
- APPLY INSTANT SETTING PORTLAND CEMENT WATER-STOP IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS. COST IS INCLUDED IN COST OF PROPOSED STORM SEWER.

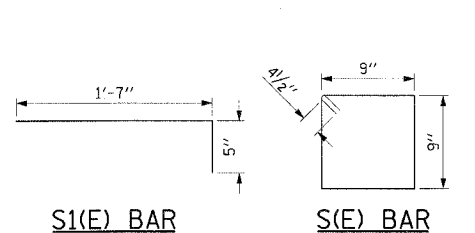
BASIS OF PAYMENT

- CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO A PROPOSED BOX CULVERT, ENCASEING PIPE WITH SEALS AND OTHER RELATED MATERIAL, LABOR AND EQUIPMENT WILL NOT BE PAID FOR SEPERATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

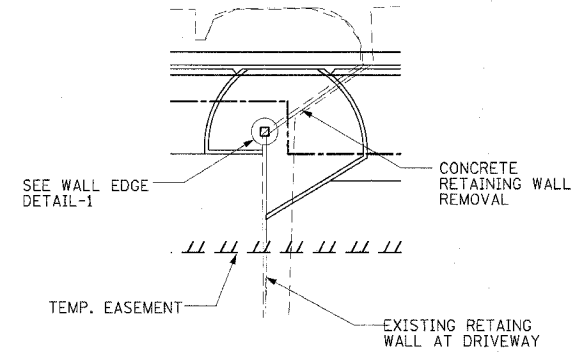
CONSTRUCTION SEQUENCE

- CUT THE PROPOSED END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
- CONNECT THE PIPE TO THE BOX CULVERT LEAVING A MINIMUM OF 12 X 6 DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
- BRICK AND MORTAR AROUND PIPE OUTSIDE PIPE. MORTAR INSIDE OF BOX CULVERT.
- PLACE CLASS SI CONCRETE AROUND THE JOINT.

- GENERAL
- CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE BOX CULVERT. ALL DEBRIS WHICH ENTERS THE BOX CULVERT MUST BE REMOVED. THE BOX CULVERT MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.
  - CARE MUST BE TAKEN TO PREVENT ANY PART OF MANHOLE BARREL SECTION FROM PROJECTING INTO THE PROPOSED BOX CULVERT.
  - MASTIC JOINT SEALER SHALL CONFORM TO SECTION 1056 AND 1057 OF THE STANDARD SPECIFICATIONS.

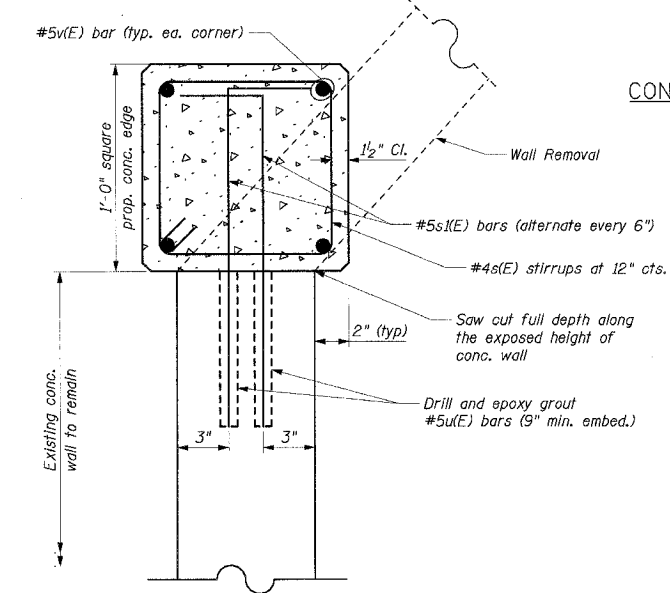


NOTE: Proposed wall edge to be extended 18" below finish grade.

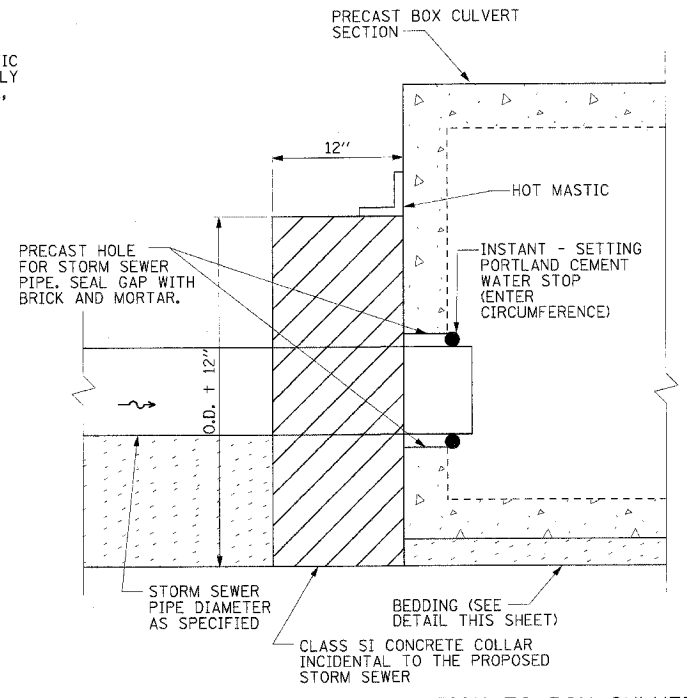


END OF EXISTING CONCRETE RETAINING WALL

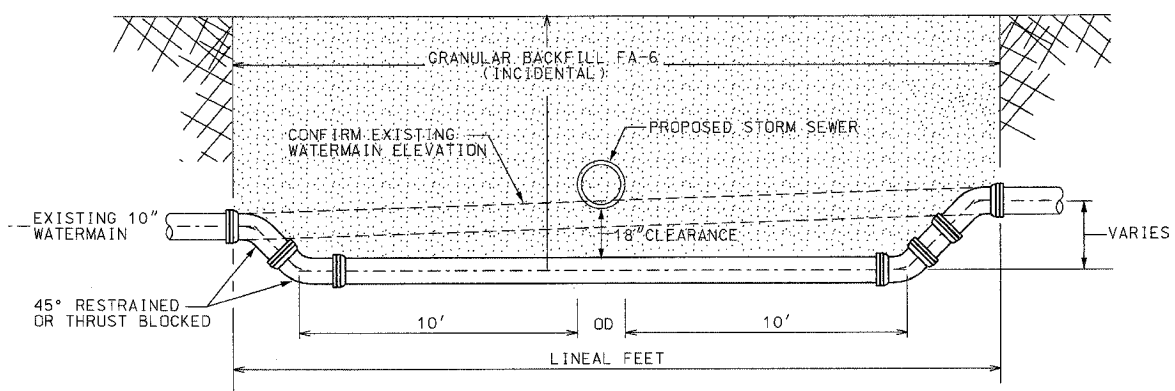
STA. 741+83.76



WALL EDGE DETAIL-1 - SECTION



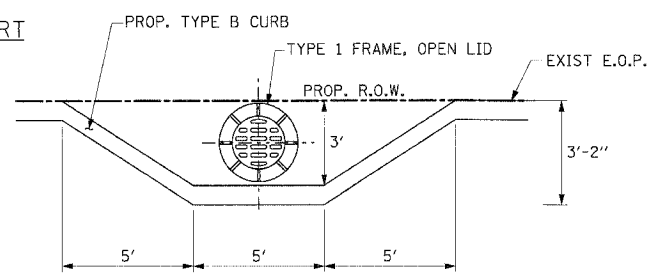
STORM SEWER CONNECTION TO BOX CULVERT



TYPICAL DETAIL ADJUSTING WATERMAIN\*

STORM SEWER CONFLICT REF. SEC. 41-2.01 STD. SPECS

\*18" CLEARANCE, 10' EACH SIDE PLUS SEWER D.D.



TYPE B CURB DETAIL FOR TYPE 1 FRAME AND LID

STA. 747+82

| REVISIONS |      |
|-----------|------|
| NAME      | DATE |
|           |      |
|           |      |
|           |      |
|           |      |
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|           |      |

ILLINOIS DEPARTMENT OF TRANSPORTATION

MISC. CONSTRUCTION DETAILS

US ROUTE 30 SHEET 2 OF 4

SCALE: VERT. NONE HORIZ. NONE DATE: 3/1/05 DRAWN BY: SNH CHECKED BY: SBP/AMB



I:\dot\0006602\draw\bd\sheet\details-2.dgn