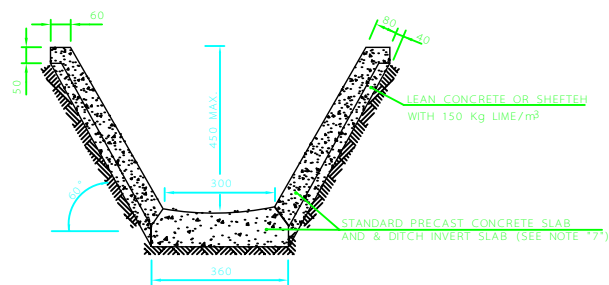
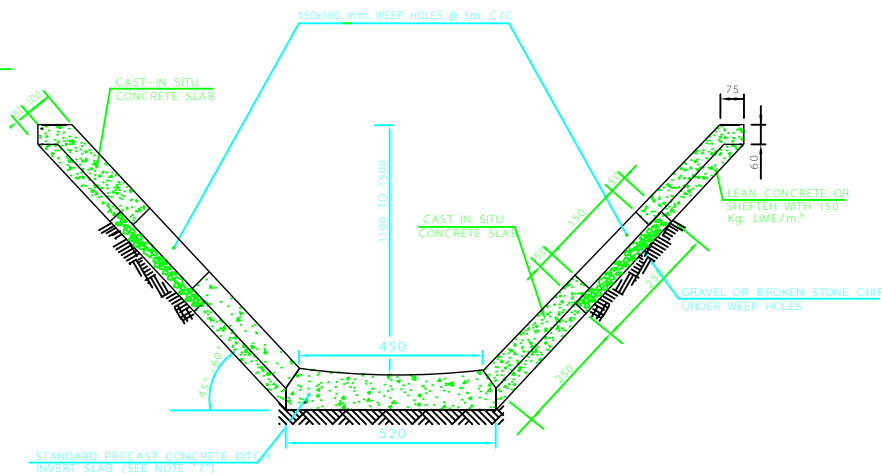


TYPICAL DEEP DITCH CROSS SECTION  
(CAST IN SITU)



TYPICAL MINOR DITCH CROSS-SECTION  
(PRECAST)



TYPICAL MAJOR DITCH CROSS SECTION  
(CAST IN SITU)

**NOTE:**

- 1- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
- 2- SIDE SLOPES TO BE ACCURATELY TRIMMED BEFORE CONCRETE LAYING.
- 3- INVERT SLABS TO BE EVENLY BEDDED, LAID TO LINE AND LEVELED.
- 4- ANGLE OF DITCH SIDE SLOPE FOR MINOR, MAJOR AND DEEP DITCHES TO BE FIXED ON SITE ACCORDING TO STABILITY OF SOIL.
- 5- POSITION OF WEEP HOLES ABOVE INVERT OF DITCH WILL BE FIXED ON SITE AFTER EXAMINATION OF EXCAVATION BY OWNERS AUTHORIZED REPRESENTATIVE.
- 6- IN BAD GROUND 100 mm THICK HARDCORE TO BE LAID BENEATH DITCH INVERT SLAB LEVEL, IF REQUIRED, TO FORM FIRM WORKING BED.
- 7- FOR DETAILS OF PRECAST CONCRETE DITCH INVERT SLAB, SEE DWG. No. IPS-D-CE-175.
- 8- SIDE SLOPES TO BE NOT MORE THAN 60°.
- 9- JOINTS OF PRECAST SLABS TO BE FILLED WITH C.S. MORTAR 1:3.
- 10- CONSTRUCTION JOINTS SHALL BE ALLOWED FOR CAST IN SITU CONCRETE DITCH SIDE WALLS.

|     |             |      |
|-----|-------------|------|
| C   |             |      |
| B   |             |      |
| A   |             |      |
| REV | DESCRIPTION | DATE |

IRANIAN PETROLEUM STANDARDS   
NO REVISION PERMITTED UNLESS APPROVED BY STANDARD ORGANIZATION

TYPICAL DITCH CROSS-SECTIONS

|      |              |       |      |
|------|--------------|-------|------|
| DATE | DRAWING No.  | SHEET | REV. |
|      | IPS-D-CE-176 | 1     | 1    |

NOT TO SCALE