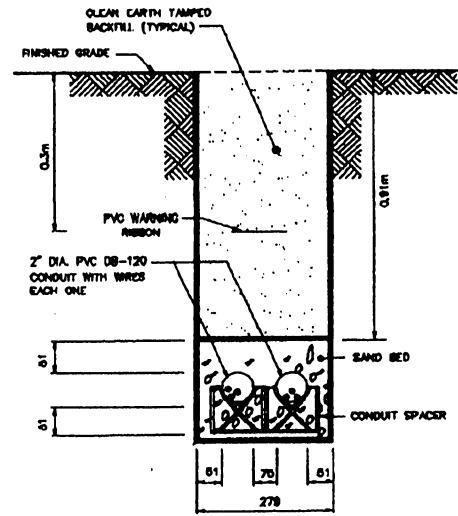
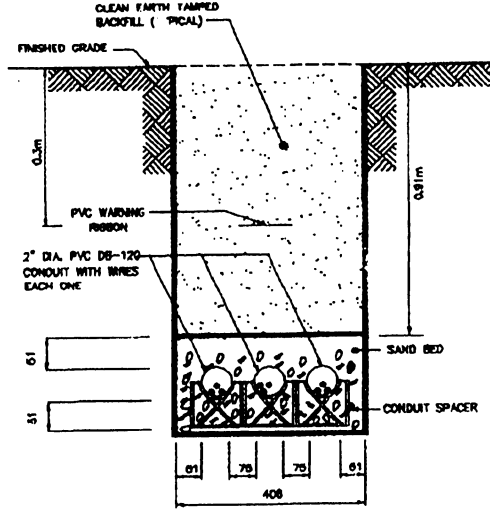


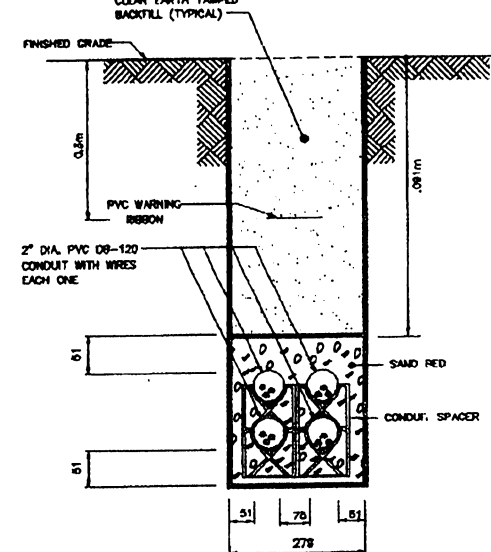
TRENCH DETAIL No.1



TRENCH DETAIL No.2

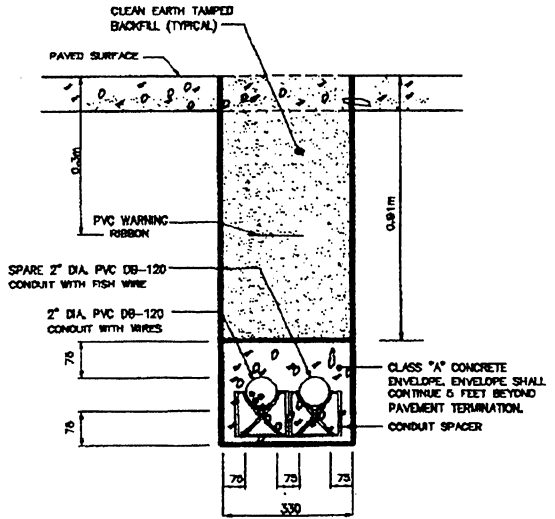


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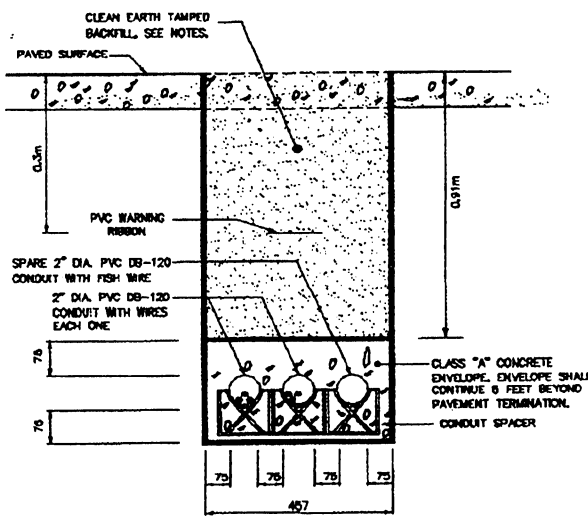


TRENCH DETAIL No.4

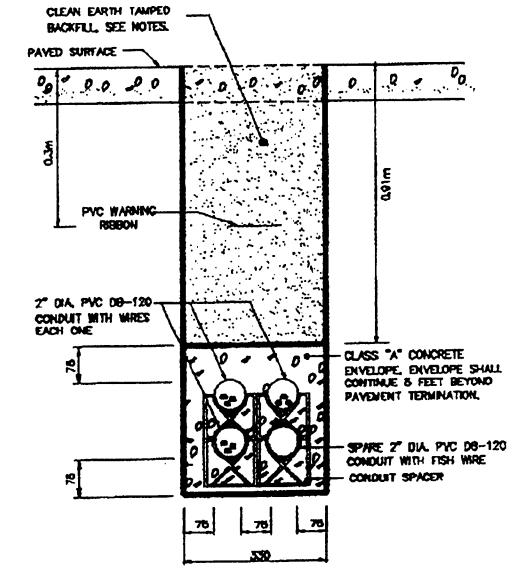
- NOTES:**
- 1- SPACER SPACING SHALL BE 1.5m MAXIMUM.
 - 2- PAVED SURFACE CUTTING SHALL BE WITH DIAMOND BLADE OR ABRASION DISK SAWING WHEN INSTALLING CONDUITS IN EXISTING ROADS.
 - 3- CONTRACTOR SHALL REPLACE PAVEMENT OR SIDEWALK WITH IDENTICAL MATERIAL AND THICKNESS WHERE CONDUIT ARE INSTALLED ON EXISTING PAVED SURFACE.
 - 4- ALL TRENCH EXCAVATION SHALL COMPLY WITH SPECIFICATION 205 - TRENCH EXCAVATION.
 - 5- ALL BACKFILL UNDERNEATH PAVEMENT SHALL CONFORM TO THE REQUIREMENTS OF BORROW CLASS B AND COMPACTED IN ACCORDANCE WITH T-180D, AS A SUBSIDIARY OBLIGATION.



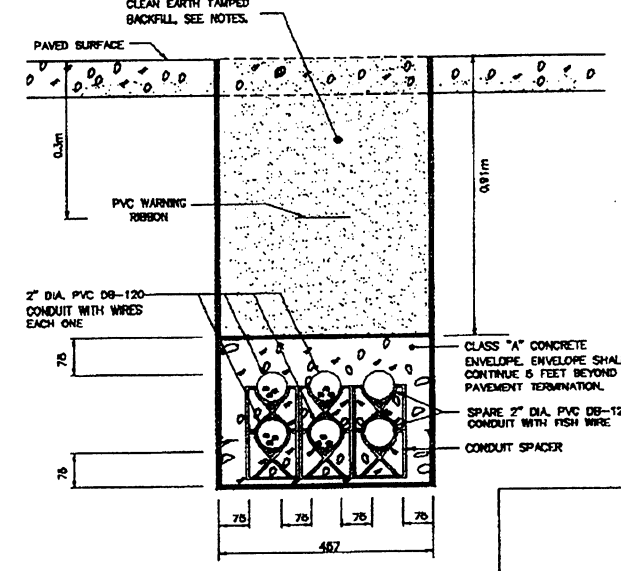
TRENCH DETAIL No.5
UNDERPAVEMENT (ROADWAY SURFACE) CROSSING.



TRENCH DETAIL No.6
UNDERPAVEMENT (ROADWAY SURFACE) CROSSING.



TRENCH DETAIL No.7
UNDERPAVEMENT (ROADWAY SURFACE) CROSSING.



TRENCH DETAIL No.8
UNDERPAVEMENT (ROADWAY SURFACE) CROSSING.

EFFECTIVE DATE: JUNE 1996

COMMONWEALTH OF PUERTO RICO
DEPARTMENT OF TRANSPORTATION
AND PUBLIC WORKS
HIGHWAY AND TRANSPORTATION AUTHORITY

RECOMMENDED BY: *[Signature]*
DESIGN AREA DIRECTOR
DATE: 130 22, 97

APPROVED BY: *[Signature]*
EXECUTIVE DIRECTOR
DATE: 20 SEP 97

APPROVED BY: *[Signature]*
DIST. ENG. SUPERINT. P.R.E.P.A.
DATE: 20 SEP 97

APPROVED BY: *[Signature]*
DIV. ADM. FHWA-PR DIVISION
DATE: 20 SEP 97

TRENCH DETAIL STANDARD

DATE	REVISION	BY	STD. DWG.	LS

13 OF 17