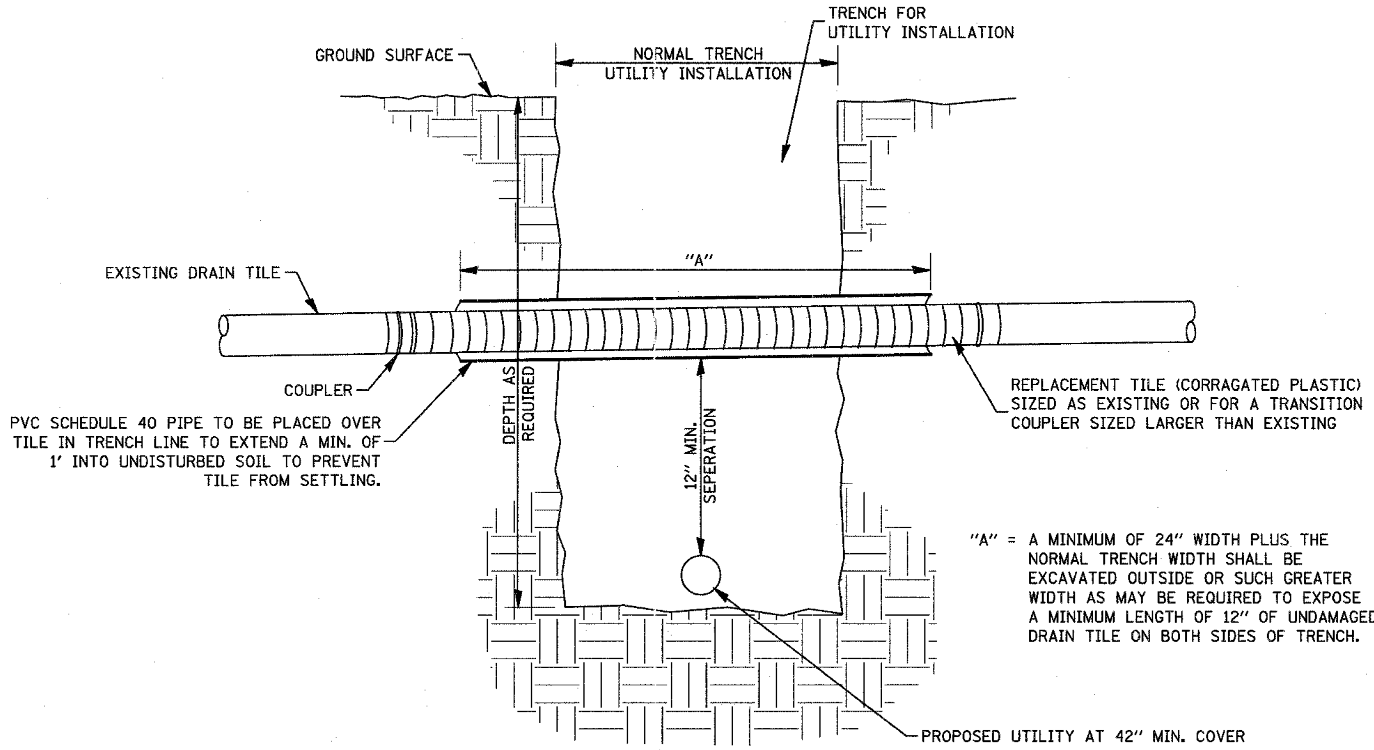
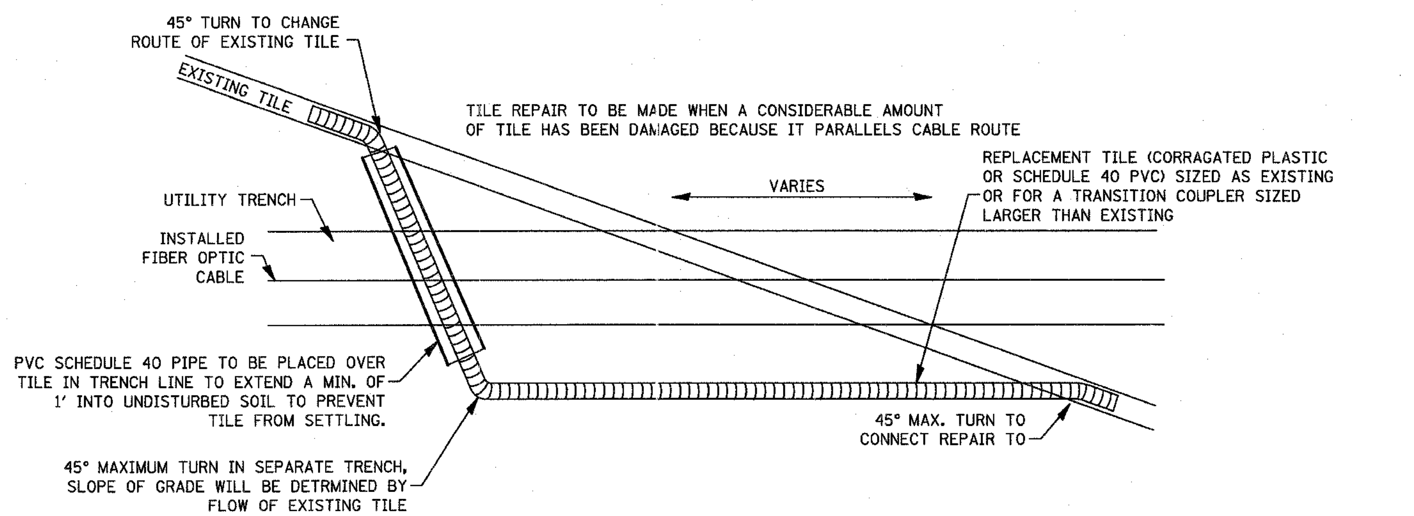
CONTRACT NO. 64C83

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201	*	46	39
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*OGLE / WINNEBAGO





NOTES

CONTRACTOR SHALL LOG ALL BREAKS & SUBMIT TO IDOT.

REPLACEMENT OF DRAINAGE TILE SHALL BE ACCOMPLISHED SO AS TO CAUSE THE MINIMUM OF DISTURBANCE TO EXISTING FIELD TILE. THE REPAIRED DRAINAGE TILE SHALL BE LEFT IN A FUNCTIONAL CONDITION WITH SPECIAL EMPHASIS PLACED ON MAINTAINING EXISTING FLOW LINE ELEVATIONS.

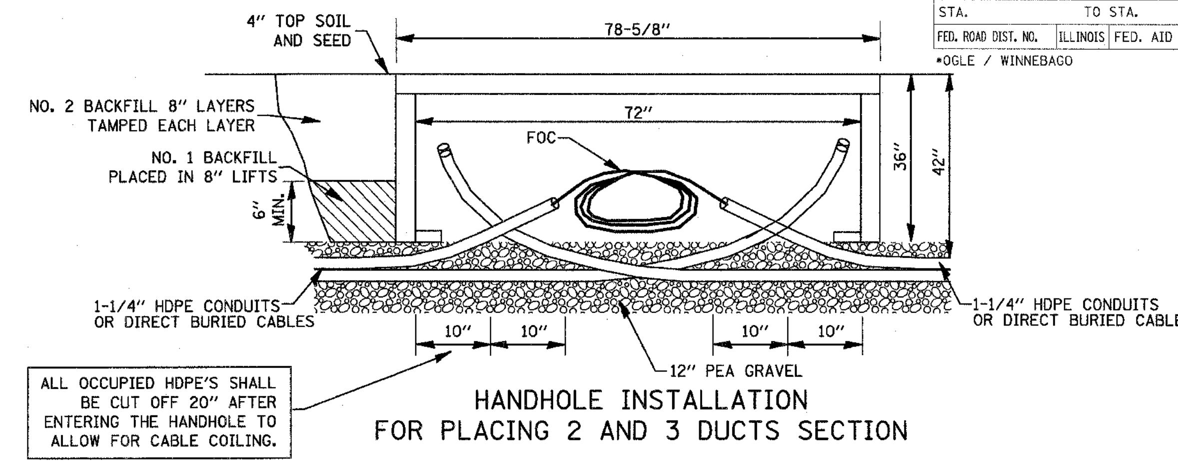
REPAIRED WITH CORRAGATED PLASTIC DRAIN TILE SIZED TO MATCH THE EXISTING, USING A CONNECTING DEVICE OF A FERNCO PLAIN AND FLEXIBLE PIPE COUPLING OR EQUAL. SCHEDULE 40 PVC PIPE SHALL BE PLACED OVER REPAIRED TILE AND EXTEND A MIN. OF 1' INTO UNDISTURBED SOIL. (REPLACEMENT TILE CAN BE SIZED LARGER THAN EXISTING IF TRANSITION COUPLER IS USED FOR PROPER CONNECTION.)

WHEN REPAIRING TILE IN SOIL WITH A HIGH CONTENT OF SAND WHERE FILTER MATERIAL HAS BEEN PLACED OVER TILE TO PREVENT SAND FROM ENTERING TILE THE FILTER MATERIAL MUST BE REPLACED AS WELL OR WHERE TILE REPAIR IS MADE WITH PLASTIC TILE TO REPLACE CLAY TILE FOR A CONSIDERABLE DISTANCE IN SANDY SOIL THE FILTER MATERIAL WILL BE PLACED TO PREVENT SAND FROM ENTERING TILE.

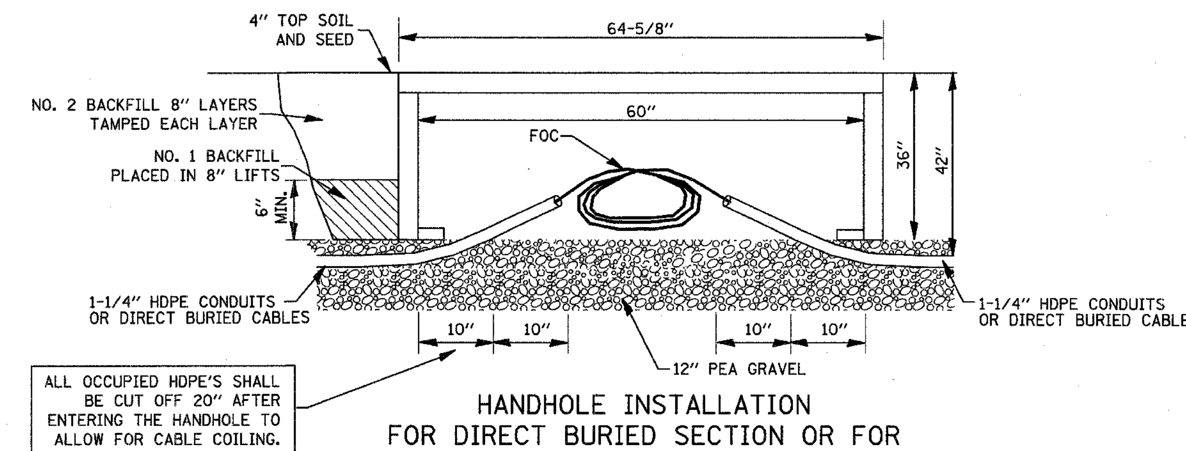
TILE LINES DISTURBED (WITHIN THE IDOT ROW) SHALL BE REPLACED AS FOLLOWS:

1. CONCRETE COLLAR TO BE PLACED AROUND JOINT WHERE EXISTING TILE LINE AND CORRUGATED ALUMINIZED METAL PIPE CONNECT.
2. MINIMUM LENGTH OF CORRUGATED METAL PIPE SHALL BE 4 FEET. MINIMUM LENGTH OF 2 FEET ON EACH SIDE OF TILE LINE BREAK LOCATION.
3. TRENCH SHALL BE BACKFILLED IN 8 INCHES LOOSE LIFTS, EACH COMPACTED TO THE SATISFACTION OF THE ENGINEER.
   A. BACKFILL AND COMPACT AREA AROUND DRAIN TILE TO BE COMPLETED BY HAND UNTIL NEW TILE IS COMPLETELY COVERED. REMAINDER OF THE TRENCH SHALL BE BACKFILLED BY ACCEPTABLE METHODS.
4. MAINTAIN DRAINAGE OF TILE DURING REROUTING.
5. THIS TYPE OF REPAIR SHALL BE LIMITED TO DRAIN TILES WITH DIAMETER OF LESS THAN 6". DRAIN TILES WITH A DIAMETER OF 6" AND LARGER SHOULD BE REPAIRED IN KIND.

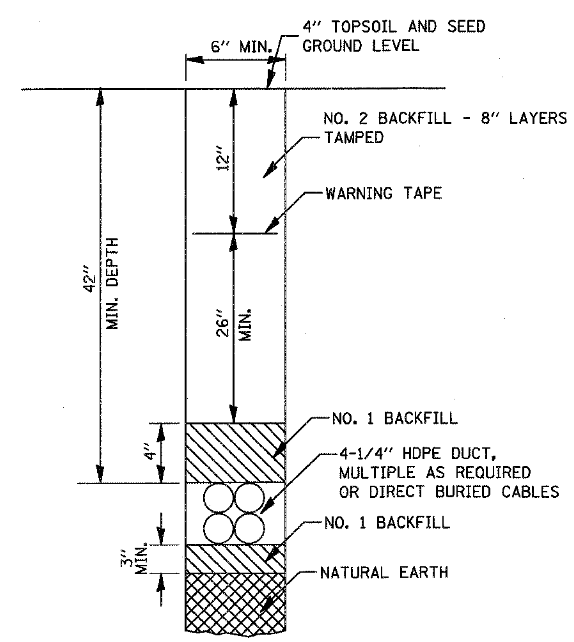
DRAINAGE LINE REPAIR



HANDHOLE INSTALLATION
FOR PLACING 2 AND 3 DUCTS SECTION



HANDHOLE INSTALLATION
FOR DIRECT BURIED SECTION OR FOR PLACING 1 DUCT SECTION



TRENCH IN SOIL

NOTES

1. NO. 2 BACKFILL WILL BE EARTH WHICH IS FREE FROM DEBRIS, CINDERS AND ROCKS MEASURING 2 INCHES, OR GREATER ACROSS THEIR LARGEST DIMENSION.
2. A WATERPROOF SEALING SIMPLEX DUCT PLUG WILL BE AROUND THE FIBER OPTIC CABLE TO SEAL THE OPENING IN THE CONDUIT. FOR CABLES 188 FIBER AND LARGER, USE ARNCO HYDRA-SEAL S-60 OR APPROVED EQUAL.
3. A WATER PROOF SEALING PLUG WILL BE INSTALLED IN ALL VACANT CONDUCTS.
4. A MINIMUM OF 6" OF No.1 BACKFILL SHALL COVER THE CONDUIT IN THE AREAS OF HANDHOLE EXCAVATION. THIS COVER WILL TRANSITION TO 4" AROUND TRENCHING EXCAVATION. MATERIAL AND COMPACTION SHALL BE TO THE SATISFACTION OF THE ENGINEER.
5. BACKFILL SHALL BE COMPACTED TO THE SATISFACTION OF THE ENGINEER.
6. NO.1 BACKFILL WILL BE CLEAN NATURAL SAND WHICH IS FREE OF DEBRIS AND HAS BEEN SIEVED THROUGH A NO. 16 SIEVE. PULVERIZED CLAY WILL NOT BE USED.
7. THE ENDS OF OCCUPIED CONDUITS SHALL BE SEALED WITH SPLIT CONDUIT PLUGS. THE ENDS OF EMPTY CONDUITS SHALL BE SEALED WITH CONDOIT PLUGS.

TRENCHING DETAIL AND HANDHOLE INSTALLATION

LOCATION OF CROSSING UTILITIES FOR REFERENCE ONLY. PLEASE CALL ALL APPLICABLE UTILITY LOCATORS FOR EXACT LOCATION PRIOR TO DIGGING OR TRENCHING.

DETAILS

PLOT DATE = 12/14/2006
FILE NAME = G:\ENG\06-6798-13 IDOT\Civ\Sht\SHT039_Details_03.dgn
PLOT SCALE = $SCALE$
USER NAME = $USER$