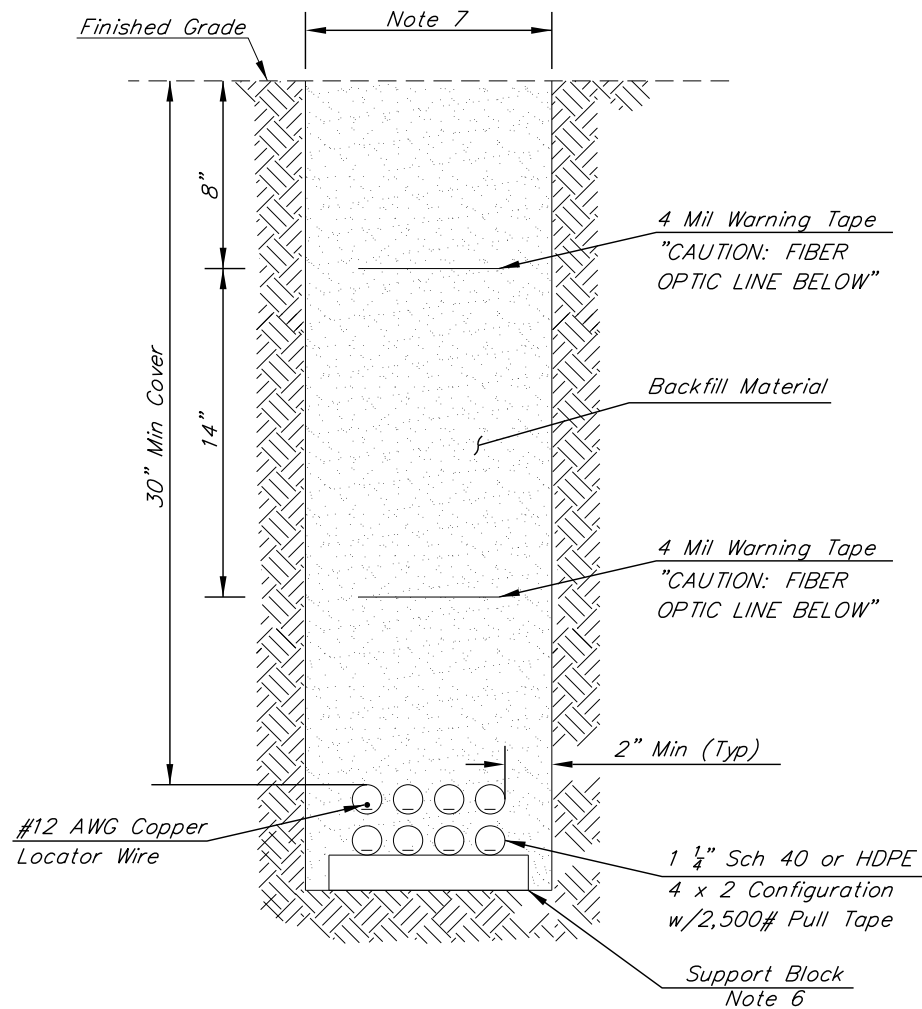
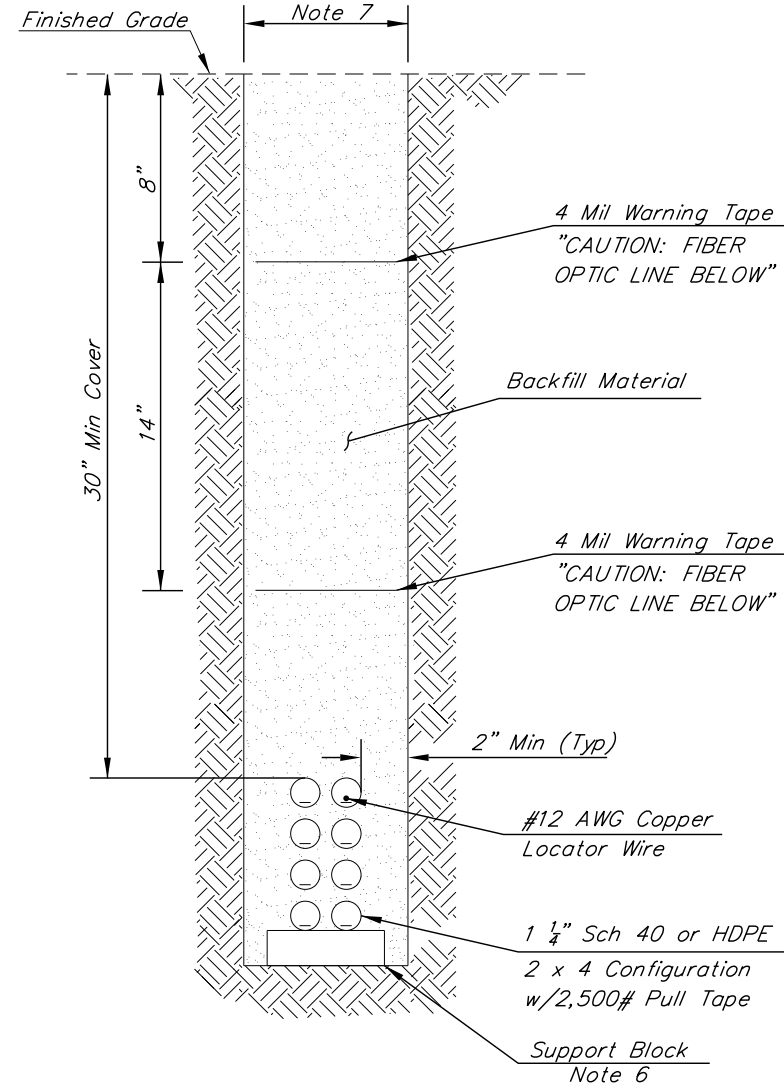


NOTES:

1. Trench depth may vary based on conflicts with existing utilities.
2. Provide a minimum cover depth of 30 inches over the conduit duct. All warning tape, conduit spacers, hold-downs, trenching and backfill will not be paid for directly, but shall be considered incidental to the unit price of the conduit.
3. Boring or directional drilling is generally the preferred method when installing conduit under existing asphalt and existing landscaping. Trenching may be allowed with the Engineer's prior approval.
4. If the conduit routing is modified to cross an existing Portland Cement concrete driveway, the conduit shall be placed by boring or directional drilling.
5. All conduit bends shall be concrete encased for a minimum of 2 feet beyond each end of the bend.
6. Conduits shall be supported and anchored in the trench prior to backfilling at a minimum 5 foot intervals, and provide 1 1/2" minimum between conduits.
7. Trench width may nominally vary and shall allow for a minimum of 2 inches on either side of conduit array.
8. A single continuous insulated copper locator wire #12 AWG shall be installed along the entire length of the conduit run, occupying one conduit.
9. Ensure vertical and horizontal alignment is consistent entering and existing each and every pull box or vault on each side, and matches that of upstream and downstream boxes or vaults.
10. Each 1 1/4" duct shall be uniquely identified throughout its length with a colored conduit.
11. New pavement cuts and new pavement must conform to the Town of Queen Creek standards and MAG Standard Specifications, Section 336, with Town Engineer approval.
12. Trench backfill materials and methods shall conform to the table below.
13. Within current or known future roadway prism, minimum 95% of maximum density as determined in accordance with the requirements of the applicable test methods of the ADOT Materials Testing Manual, as approved by the Engineer. In landscaped or future landscaped areas, compaction shall be to 90% of maximum density.



HORIZONTALLY STACKED
DUAL QUAD DUCTS
N.T.S.



VERTICALLY STACKED
DUAL QUAD DUCTS
N.T.S.

BACKFILL MATERIAL

| Material Type | Specification | Compaction |
|----------------------------|---------------------|------------|
| Controlled Low Strength | MAG 728 | |
| Aggregate Base | ADOT 303-2 | Note 13 |
| Fine Aggregate | ADOT 1006-2.03(B) | Note 13 |
| Bedding Material | ADOT 501-3.02(A)(3) | Note 13 |
| Structural Backfill | ADOT 203-5.03 | Note 13 |
| Slurry Structural Backfill | ADOT 203-5.03 | |

REV. 08/2021



TOWN OF QUEEN CREEK

DUAL QUAD DUCTS
TRENCH DETAIL

ITS-06