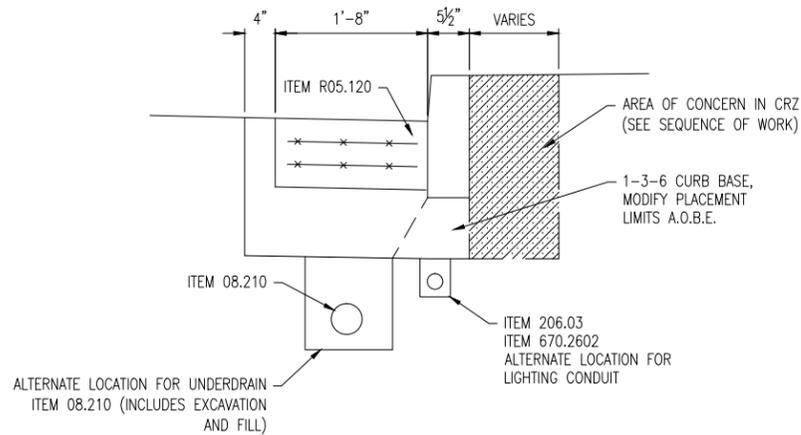


TYPICAL CRITICAL ROOT ZONE (CRZ) PLAN

1. IN THESE AREAS, THE EXISTING SIDEWALK SUBBASE SHALL REMAIN IN PLACE IF ITS REMOVAL WOULD IMPACT THE TREE'S ROOT SYSTEM.
2. SEE TREE PROTECTION NOTES ON DWG. GN-1 FOR DEFINITION OF CRZ AND REQUIREMENTS.



SECTION A-A, CASE (1) AND CASE (2)

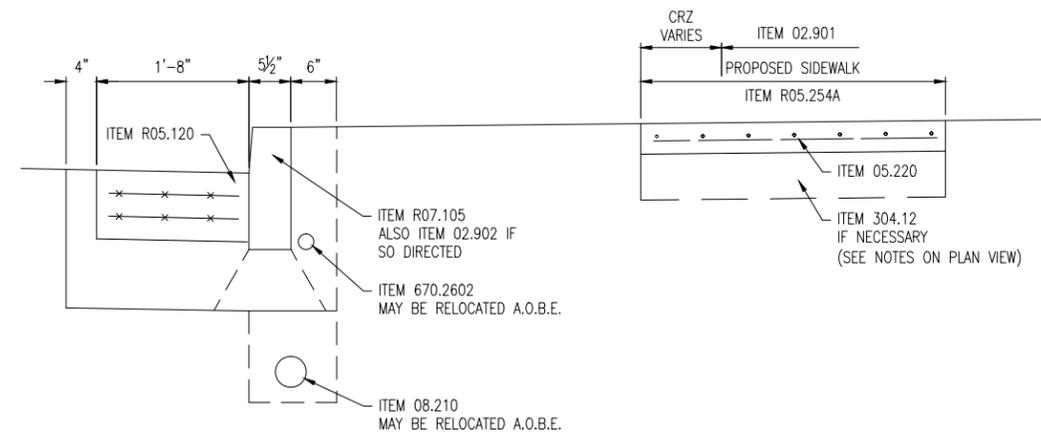
CASE (1), CRITICAL ROOT SYSTEM AT BACK OF CURB

1. IDENTIFY EXTENT OF ROOT CONFLICT BY OBSERVATION BY THE ENGINEER'S CERTIFIED ARBORIST AND/OR BY PNEUMATIC TEST PIT (ITEM 206.0402--11).
2. IF ROOT SYSTEM IS CONFINED TO BACK FACE OF CURB AS DETERMINED BY ENGINEER'S CERTIFIED ARBORIST, REMOVE CURB WITHOUT DISTURBING ROOT SYSTEM, UNDER ITEM 02.902.
3. EXCAVATE FOR STAMP GUTTER, UNDERDRAIN (REVISED LOCATION) AND STREET LIGHT CONDUIT (REVISED LOCATION).
4. PAYMENT WILL BE MADE UNDER APPROPRIATE ITEMS LISTED BELOW.

CASE (2), CRITICAL ROOT SYSTEM IN CONFLICT WITH CURB

1. IDENTIFY EXTENT OF ROOT CONFLICT BY OBSERVATION BY THE ENGINEER'S CERTIFIED ARBORIST AND/OR BY PNEUMATIC TEST PIT (ITEM 206.0402--11).
2. IF ROOT SYSTEM IS IN CONFLICT WITH CURB AS DETERMINED BY ENGINEER'S CERTIFIED ARBORIST, THE ENGINEER WILL DETERMINE, BASED ON OTHER LOCATIONS IN VICINITY, WHETHER REVISION OF CURB FACE OFFSET IS FEASIBLE. (MAXIMUM REVISION, AND EXTENT, TO BE DETERMINED BY CITY)
3. EXCAVATE FOR STAMP GUTTER, UNDERDRAIN (REVISED LOCATION) AND STREET LIGHT CONDUIT (REVISED LOCATION) BASED ON LOCATION DETERMINED BY CITY.
4. PAYMENT WILL BE MADE UNDER APPROPRIATE ITEMS LISTED BELOW.

| ITEM | DESCRIPTION | UNIT |
|----------|---|------|
| R05.120 | PATTERNED STAMPED CONCRETE GUTTER REPLACEMENT 9"X20" | CY |
| R07.105 | GRANITE CURB 5" - REPLACEMENT, NYSDOT - TYPE A | LF |
| 08.210 | SLOTTED CORRUGATED POLYETHYLENE UNDERDRAIN PIPE | LF |
| 206.03 | CONDUIT EXCAVATION AND BACKFILL INCLUDING SURFACE RESTORATION | LF |
| 670.2602 | RIGID PLASTIC CONDUIT | LF |
| 02.902 | SPECIAL CARE EXCAVATION/CURB (AS NEEDED, PER ENGINEER) | LF |



SECTION B-B, CASE (3)

CASE (3), CRITICAL ROOT SYSTEM IN VICINITY OF CURB OR SIDEWALK TO BE REPLACED

1. IDENTIFY EXTENT OF ROOT CONFLICT BY OBSERVATION BY THE ENGINEER'S CERTIFIED ARBORIST AND/OR BY PNEUMATIC TEST PIT (ITEM 206.0402--11).
2. THE ENGINEER'S CERTIFIED ARBORIST WILL DETERMINE THE EXTENT OF IMPACT ON THE ROOT SYSTEM AND ESTABLISH WORK PROCEDURES.
3. A DENSE ROOT SYSTEM WILL REQUIRE HAND EXCAVATION AND POSSIBLE RELOCATION OF THE UNDERDRAIN OR STREET LIGHT CONDUIT. PAYMENT WILL BE MADE UNDER ITEMS LISTED BELOW.
4. A MODERATE ROOT SYSTEM WILL REQUIRE HAND EXPOSURE OF THE ROOT SYSTEM AND ROOT PRUNING. PAYMENT WILL BE MADE UNDER APPROPRIATE ITEMS LISTED BELOW.

| ITEM | DESCRIPTION | UNIT |
|----------|---|------|
| R05.120 | PATTERNED STAMPED CONCRETE GUTTER REPLACEMENT 9"X20" | CY |
| 05.220 | METAL REINFORCEMENT (6 X 6, 6" X 6") | SF |
| R05.254A | CONCRETE SIDEWALK AND APPROACHES REPLACEMENT - 4" - EXP AGG. | SF |
| R07.105 | GRANITE CURB 5" - REPLACEMENT, NYSDOT - TYPE A | LF |
| 08.210 | SLOTTED CORRUGATED POLYETHYLENE UNDERDRAIN PIPE | LF |
| 206.03 | CONDUIT EXCAVATION AND BACKFILL INCLUDING SURFACE RESTORATION | LF |
| 304.12 | SUBBASE COURSE, TYPE 2 | CY |
| 670.2602 | RIGID PLASTIC CONDUIT | LF |
| 02.901 | SPECIAL CARE EXCAVATION/SIDEWALKS (AS NEEDED, PER ENGINEER) | SF |
| 02.902 | SPECIAL CARE EXCAVATION/CURB (AS NEEDED, PER ENGINEER) | LF |

IF NECC
IF NECC

| | | | | | |
|--|-----------------------------------|-------------|---|---|---|
| AS BUILT REVISIONS DESCRIPTION OF WORK: | PORTER AVENUE | PIN 5757.15 |  | ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED |  |
| | NIAGARA STREET TO SYMPHONY CIRCLE | | | CITY OF BUFFALO | |
| SIGNATURE _____ DATE _____ | ERIE COUNTY, NEW YORK | | | | DRAWING NO. MD-06 SHEET NO. SN OF TNS |
| DOCUMENT NAME: 575715_CPH_LAD_001.DWG | | | | | |
| DEPARTMENT OF PUBLIC WORKS, PARKS AND STREETS, CITY OF BUFFALO, NEW YORK | | | | | |