

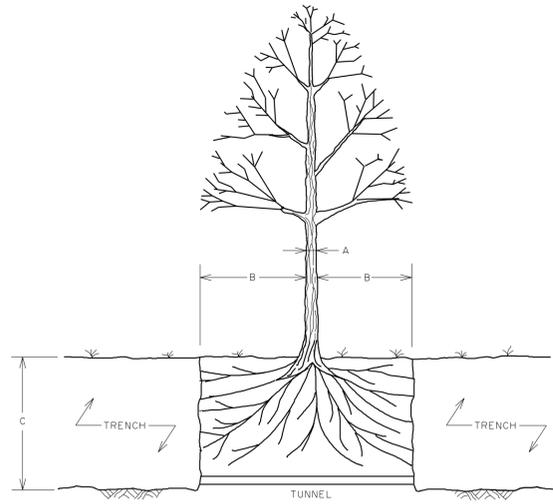
TREE DIAMETER (DBH)	DISTANCE OF FENCING FROM FACE OF TREE TRUNK
LESS THAN 10"	6'
10" - 14"	10'
15" - 19"	12'
20" OR MORE	15'

- NOTE:**
- ALL TREES WITHIN THE PROJECT LIMITS THAT ARE TO REMAIN ARE TO RECEIVE THIS TREATMENT.
  - DO NOT LEAVE CONSTRUCTION EQUIPMENT RUNNING (IDLING) UNDER TREE CANOPY.

CITY OF ROCHESTER

**TREE PROTECTION**

ISSUED	11-20-92	NON-STANDARD
REVISED	7-1-93	DWG.NO.S617-1



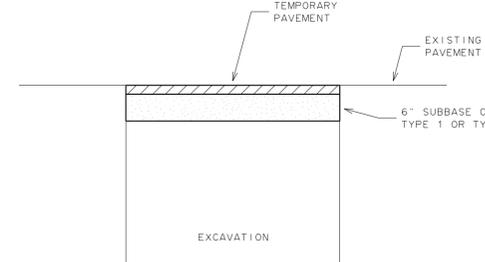
TREE DIAMETER "A" (DBH)	DISTANCE OF TUNNEL AND FENCING FROM FACE OF TREE TRUNK EACH SIDE "B"	RECOMMENDED DEPTH OF TUNNEL OR TRENCH "C"
LESS THAN 10"	6'	2 1/2'
10" - 14"	10'	3'
15" - 19"	12'	3 1/2'
20" OR MORE	15'	4'

- NOTES:**
- OPEN TRENCHING IN THE ROOT ZONE AREA OF A PUBLIC TREE IS PROHIBITED EXCEPT IN CASES WHERE THE TRENCHING FALLS OUTSIDE THE CANOPY OF THE TREE INVOLVED. IN SOME INSTANCES, EXCEPTIONS MAY BE ALLOWED IF IN THE OPINION OF THE CITY THE IMPACT OF TRENCHING UPON THE TREE WILL BE NEGLIGIBLE.
  - BEFORE COMMENCING WORK WITHIN THE TREE PROTECTION ZONE - AUTHORIZATION IS REQUIRED FROM A REPRESENTATIVE OF THE CITY FORESTER'S OFFICE.

CITY OF ROCHESTER

**UTILITY TRENCH AT EXISTING TREE**

ISSUED	11-20-92	NON-STANDARD
REVISED	7-1-93	DWG.NO.S617-2

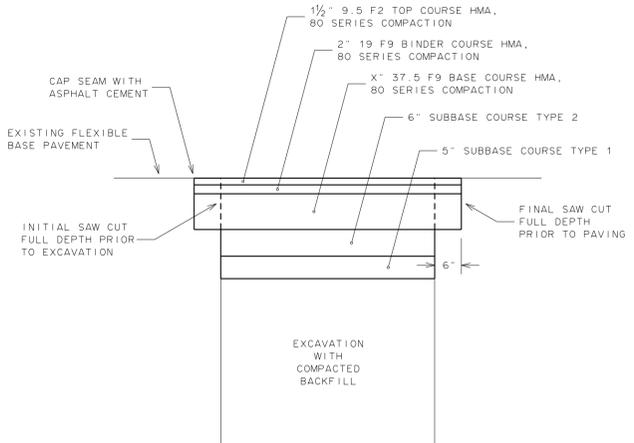


- NOTES:**
- TEMPORARY PAVEMENT MATERIAL IS TO BE 2 INCHES TYPE 19 F9 BINDER COURSE HMA 80 SERIES COMPACTION, OR RECYCLED ASPHALT - ASPHALT COLD PATCH AND UNTREATED MILLING MATERIALS ARE NOT ACCEPTABLE FOR USE AS TEMPORARY PAVEMENT.
  - DURING WINTER SEASON (NOVEMBER 1 THRU APRIL 14), IF HMA MATERIAL IS NOT AVAILABLE, USE CLASS F CONCRETE FOR TEMPORARY PAVEMENT. CONCRETE IS TO BE 4 INCHES THICK FOR ARTERIAL AND COLLECTOR STREETS, AND 3 INCHES THICK FOR RESIDENTIAL STREETS AND ALLEYS, AND IS TO BE BROOM FINISHED.
  - TEMPORARY PAVEMENT IS TO BE PLACED WITHIN 24 HOURS OF BACKFILLING EXCAVATION.
  - TEMPORARY PAVEMENT MATERIAL IS TO BE COMPACTED TO PROVIDE FIRM AND SMOOTH SURFACE.

CITY OF ROCHESTER

**TEMPORARY PAVEMENT**

ISSUED	9-2-91	STANDARD
REVISED	7-31-12	DWG.NO.R412-1



- NOTES:**
- FINAL SAW CUT IS TO BE FULL DEPTH TO OBTAIN STRAIGHT AND NEAT EDGE FOR PAVING. SAW CUT IS TO BE MADE AFTER TRENCH IS BACKFILLED.
  - BOTTOM OF ASPHALT BASE COURSE IS TO BE AT OR BELOW BOTTOM OF EXISTING ASPHALT PAVEMENT SECTION TO PROVIDE FOR REQUIRED MINIMUM THICKNESSES OF ASPHALT COURSES. MINIMUM THICKNESS OF ASPHALT BASE COURSE IS:  
HEAVY-DUTY PAVEMENT - 8 INCHES  
MEDIUM-DUTY PAVEMENT - 3 INCHES  
LIGHT-DUTY PAVEMENT - 0 INCHES
  - TACK COAT IS TO BE APPLIED BETWEEN ALL LIFTS OF HMA PAVEMENT COURSES.
  - SEAMS BETWEEN EXISTING AND NEW PAVEMENT ARE TO BE SEALED WITH ASPHALT CEMENT 702-0700 IN ACCORDANCE WITH NYSDOT SECTION 702 BITUMINOUS MATERIALS.

CITY OF ROCHESTER

**TRENCH RESTORATION ASPHALT BASE**

ISSUED	9-2-91	STANDARD
REVISED	7-31-12	DWG.NO.R206-1



- SIGN BOARD:**
- COLOR - WHITE EXTERIOR ENAMEL 2 COATS ALL AROUND
  - SIZE - 4" WIDE x 3/4" THICK PLYWOOD
- LETTERS:**
- COLOR - RED EXTERIOR ENAMEL
  - SIZE - 2" HELVETICA MEDIUM STYLE WITH 2" LINE SPACING
- GRAPHICS:**
- COLOR - BLACK EXTERIOR ENAMEL
  - HORIZONTAL BAR - 3" LONG x 3/8" WIDE
  - DIRECTIONAL ARROW - 6" HIGH WITH 2" WIDE MAIN SHAFT

CITY OF ROCHESTER

**BUSINESS SIGN**

ISSUED	3-7-96	NON-STANDARD
REVISED	7-31-12	DWG.NO.S645-1

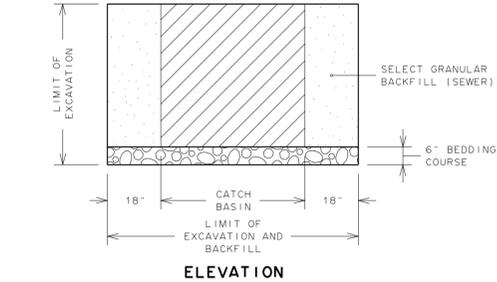
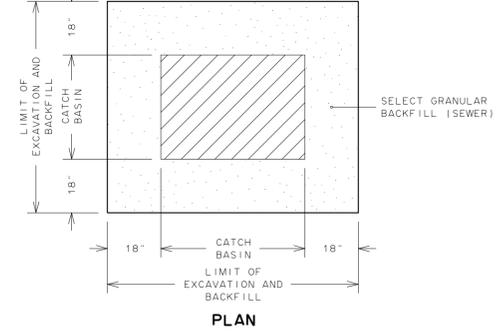


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- LETTERS:**
- COLOR - RED EXTERIOR ENAMEL
  - SIZE - 2" HELVETICA MEDIUM STYLE WITH 2" LINE SPACING
- GRAPHICS:**
- COLOR - BLACK EXTERIOR ENAMEL
  - HORIZONTAL BAR - 3" LONG x 3/8" WIDE
  - DIRECTIONAL ARROW - 9" LONG WITH 2" WIDE MAIN SHAFT

CITY OF ROCHESTER

**BUSINESS SIGN**

ISSUED	3-7-96	NON-STANDARD
REVISED	7-31-12	DWG.NO.S645-2

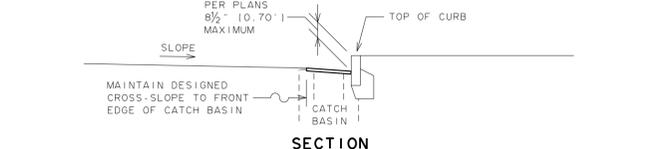
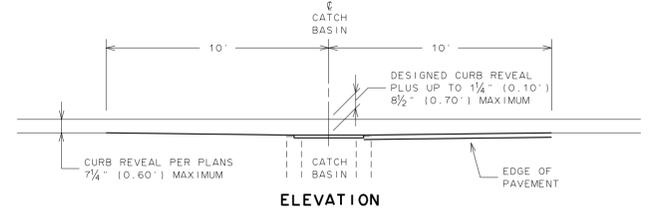
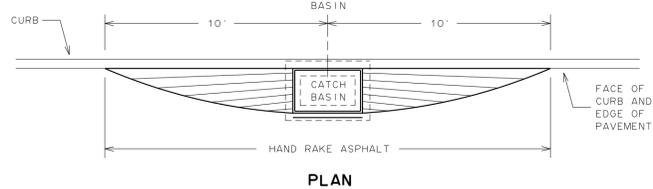


- NOTES:**
- LIMITS SHOWN ARE MAXIMUM ALLOWED AND MINIMUM REQUIRED FOR EXCAVATION AND BACKFILL.
  - UPPER PAY LIMIT FOR TRENCH EXCAVATION IS TOP OF EXISTING SURFACE AT TIME OF EXCAVATION.
  - UPPER PAY LIMIT FOR SELECT GRANULAR BACKFILL (SEWER) IS BOTTOM OF TEMPORARY PAVEMENT (IF USED) OR TOP OF SURFACE - AS REQUIRED IN CONTRACT DOCUMENTS.

CITY OF ROCHESTER

**TRENCH AND BACKFILL LIMIT LINES FOR CATCH BASINS**

ISSUED	6-6-14	NON-STANDARD
REVISED	7-31-12	DWG.NO.S206-3



- NOTES:**
- DEPRESSED PAVING IS TO BE USED ONLY WHERE GRADES ARE LESS THAN 0.40%, AND AT LOW POINTS WHERE BOTH INCOMING GRADES ARE LESS THAN 0.50%.
  - BACKEDGE OF CATCH BASIN FRAME AND GRATE TO BE DEPRESSED AT CURB.
  - PAVEMENT IS TO BE FLUSH WITH CATCH BASIN.
  - TOP OF CURB IS TO REMAIN TRUE TO LINE AND GRADE. CURB IS NOT TO BE DEPRESSED.

CITY OF ROCHESTER

**DEPRESSED PAVING AT CATCH BASIN**

ISSUED	9-2-91	STANDARD
REVISED	7-31-12	DWG.NO.R400-3

Department of Environmental Services  
Architecture and Engineering Services  
City of Rochester, New York

MANAGING ENGINEER  
ALBERT J.GIULIO, P.E.  
CITY ENGINEER  
JAMES R.MAINTOSH, P.E.

STREET  
IMPROVEMENT PROGRAM  
HINCHER GROUP

ISSUED	CHECKED	DRAWN	DESIGN	SCALE	PROJECT NUMBER	NO.	REVISION	BY	DATE
JUNE 1, 2015	LYR	RKS	LYR	NONE	12109				

DRAWING TITLE

**DETAILS**

DRAWING NO.

**35**

OF 50