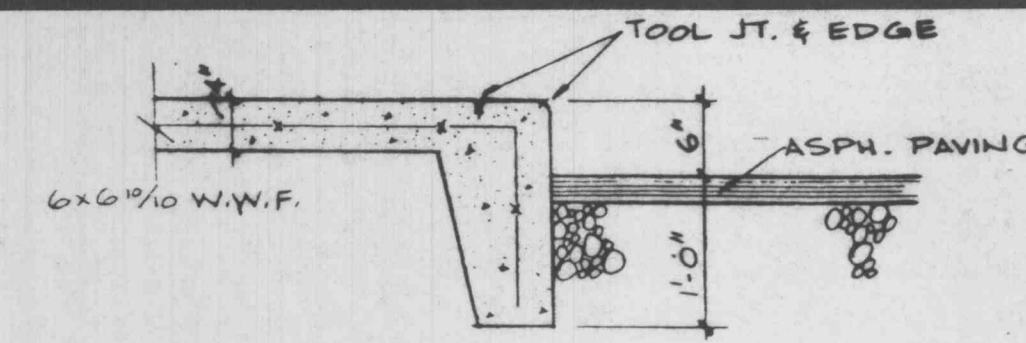
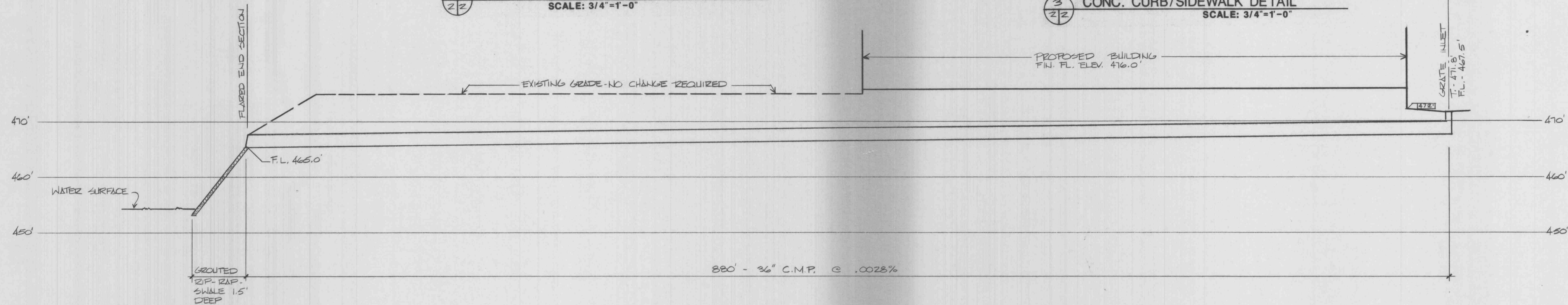


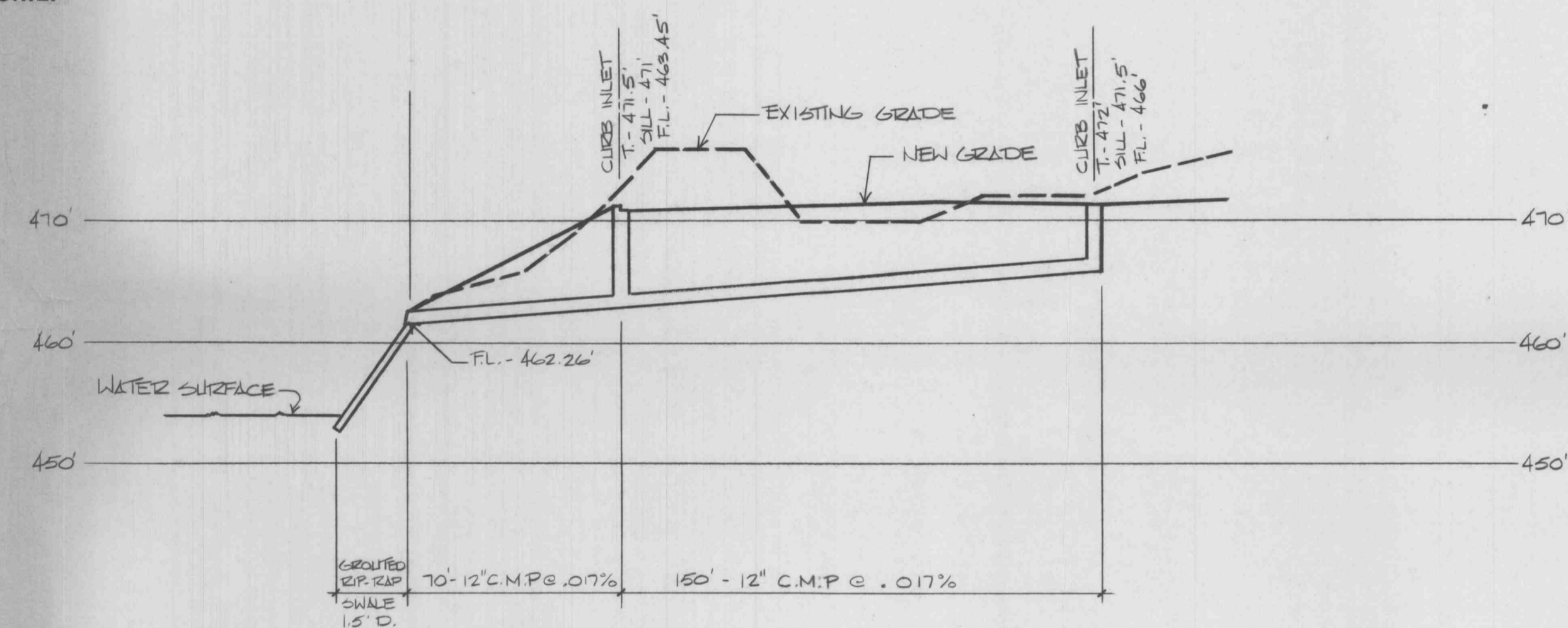
2 ASPHALT CURB DETAIL
SCALE: 3/4"=1'-0"



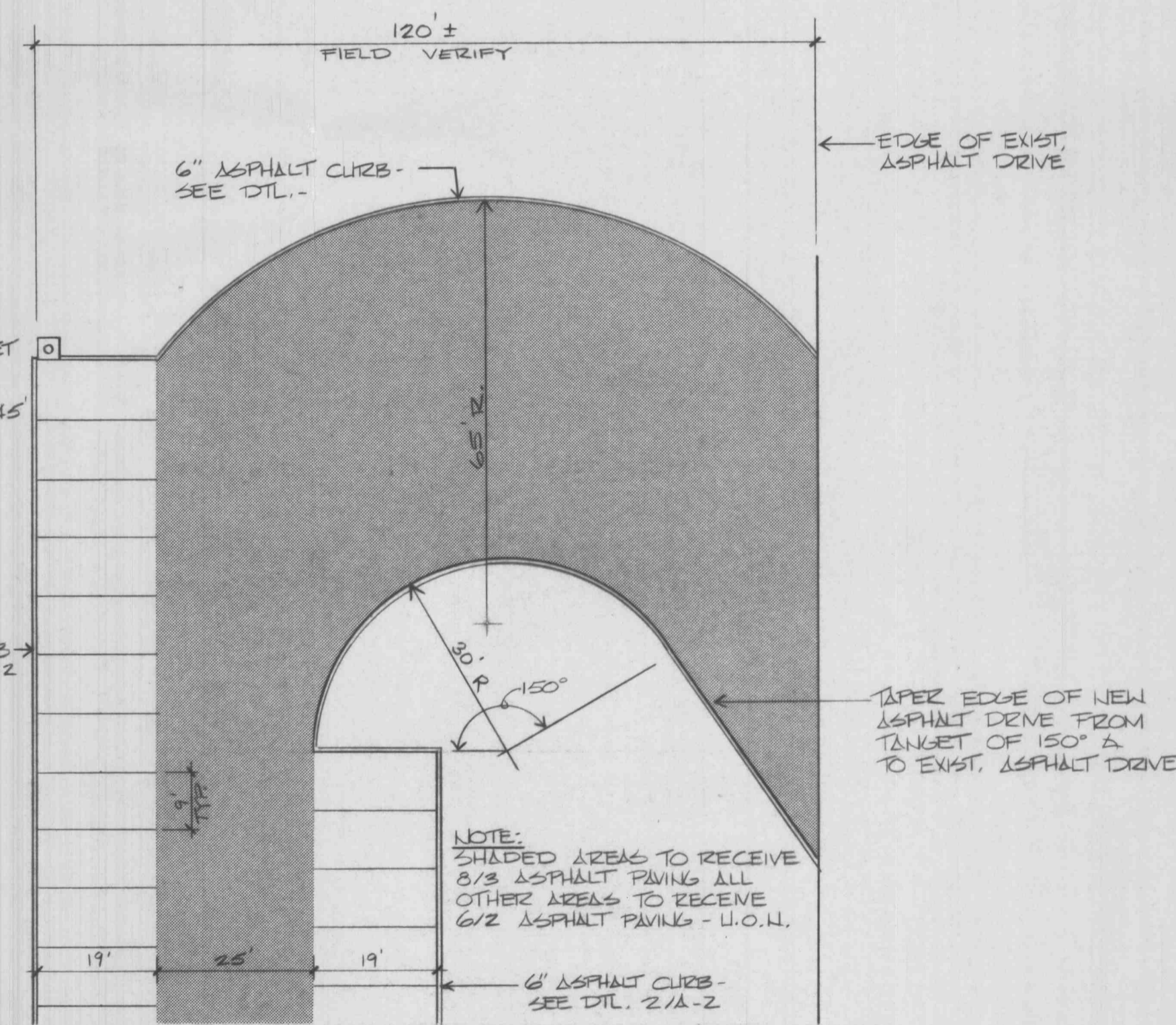
3 CONC. CURB/SIDEWALK DETAIL
SCALE: 3/4"=1'-0"



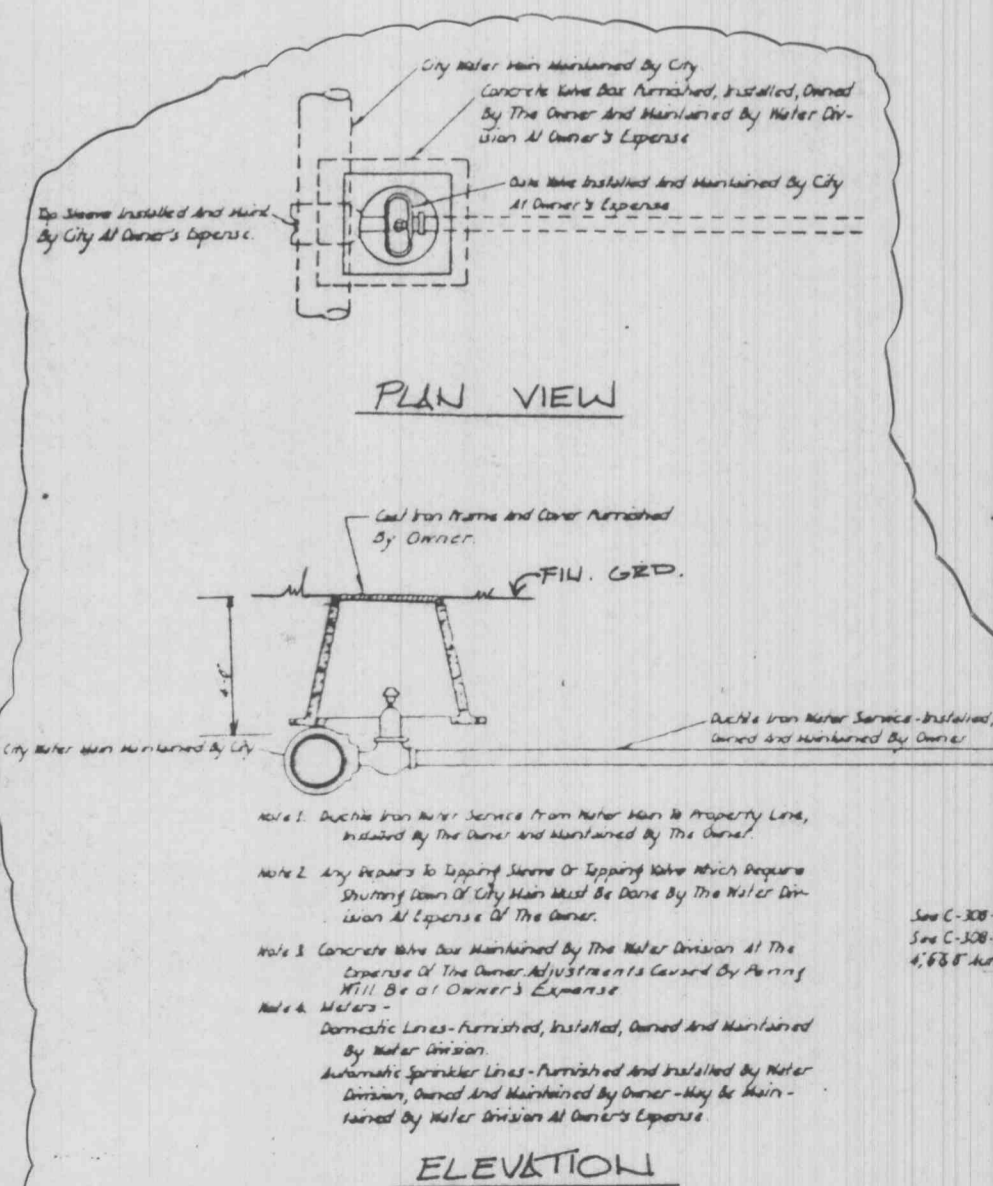
STORM SEWER PROFILE
SCALE: 1"=10' VERT., 1"=40' HORIZ.



STORM SEWER PROFILE
SCALE: 1"=1' VERT., 1"=40' HORIZ.



1 ENTRANCE DETAIL
SCALE: 1"=20"

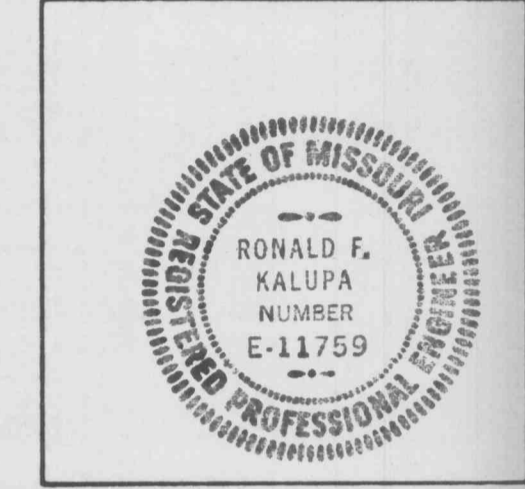


4 NEW WATER LINE TAP DETAIL
NO SCALE

GENERAL NOTES

- Underground utilities have been plotted from available information and therefore their locations shall be considered approximate only. The verification of the location of all underground utilities, either shown or not shown on these plans shall be the responsibility of the contractor, and shall be located prior to any grading or construction of the improvements.
- All manhole and inlet tops built without elevations furnished by the Engineer will be the responsibility of the Sewer Contractor.
- All manhole curb inlets to have front of inlet 2' (feet) behind curb.
- Storm sewers 18" diameter and smaller shall be A.S.T.M. C-14 unless otherwise shown on the plans.
- Storm sewers 21" diameter and larger shall be A.S.T.M. C-76, Class 15 minimum, unless otherwise shown on the plans.
- All filling places, including trench backfills, under buildings, proposed street and sanitary sewer lines and/or paved areas, shall be compacted to 95% maximum density, as determined by the "Modified AASHTO T-99" Compaction Test" (A.S.T.M.-D-1557). All filled places within public roadways shall be compacted to 95% of maximum density as determined by the "Standard Proctor Test AASHTO T-99, Method C" (A.S.T.M.-D-998).
- All trench backfills within the public right-of-way shall be granular backfill. Granular backfill shall be water settled to attain proper compaction. Trench backfills under paved areas, outside of public right-of-way, may be granular backfill in lieu of the earth backfill compacted to 95% of the Modified AASHTO Compaction Test.
- No area shall be cleared without the permission of the Project Engineer.
- All grades shall be within 0.2 feet of those shown on the grading plan.
- No slope shall be steeper than 3:1. All slopes shall be sodded or seeded and mulched.
- All construction and materials used shall conform to current City of O'Fallon and St. Charles County Highway Department Standards.
- All P.V.C. sanitary pipe to have crushed stone bedding uniformly graded between 1" and 1/4" size. This bedding shall extend from 6" below the pipe to 12" of crushed stone bedding above top of pipe.
- All soils tests shall be verified by a Soils Engineer concurrent with the grading and backfilling operations.
- A 2" sounding line shall be established along all public rights-of-way.
- Basements shall be provided for storm sewers, sanitary sewers, and all utilities on the record plat. See record plat for location and size of basements.
- All water lines shall be laid at least 10 feet horizontally from any sanitary sewer, storm sewer, or manhole, whenever water lines cross sanitary sewers, laterals or storm drains the water line shall be laid at such an elevation that the bottom of the water line is 18 inches above the top of the drain or sewer. A full length of cover pipe shall be centered over the sewer line to be crossed and the joints will be equally distant from the sewer and as remote therefrom as possible. This vertical separation shall be maintained for that portion of the water line located within 10 feet of the sewer and within 10 feet of any other drain it crosses.
- All water pipe shall have a minimum pressure rating of 150-200 or more.
- Water lines, valves, stopcocks, meters and etc. shall meet all specifications and installation requirements of the local governing authority.
- All ductile iron pipe for water mains shall conform to A.W.W.A. Specification C-110. All rubber gasket joints for water ductile iron pressure pipe and fittings shall conform to A.W.W.A. Specification C-111.
- All water hydrants and valves shall be ductile iron and installed in accordance with plans and details.
- The City of O'Fallon shall be notified 48 hours prior to start of construction of sanitary sewers for coordination and inspection.
- All grading on City and County right-of-way shall be seeded and mulched and all disturbed right-of-way markers shall be reset at the completion of grading.
- Gravel will not be used in the construction of sanitary sewer manholes and all sanitary sewer manholes shall have 3/4" sil. thick coat of coal tar pitch waterproofing.
- The developer shall comply with current tree preservation Ordinance No. 1689 and provide landscaping as set forth in Article 23 of the City of O'Fallon zoning ordinance.

ADD GENERAL NOTES & WATER TAP DETAIL		
NO	DESCRIPTION	DATE



STRUCTURAL SYSTEMS, INC.

DESIGN CONTRACTORS

314-966-5920
814 South Kirkwood Road
St. Louis, Missouri 63122

BUILDING ADDITION TO:
ARROW LANE PARTNERSHIP
595 ARROW LANE
O'FALLON, MO. 63366

SEWER PROFILES & DETAILS

DRAWN: JCC
CHECKED: MS NOTED
ISSUE DATE: 8-29-90
S. I. I. JOB NUMBER: 90-037
DRAWING NUMBER: A-2 OF 8