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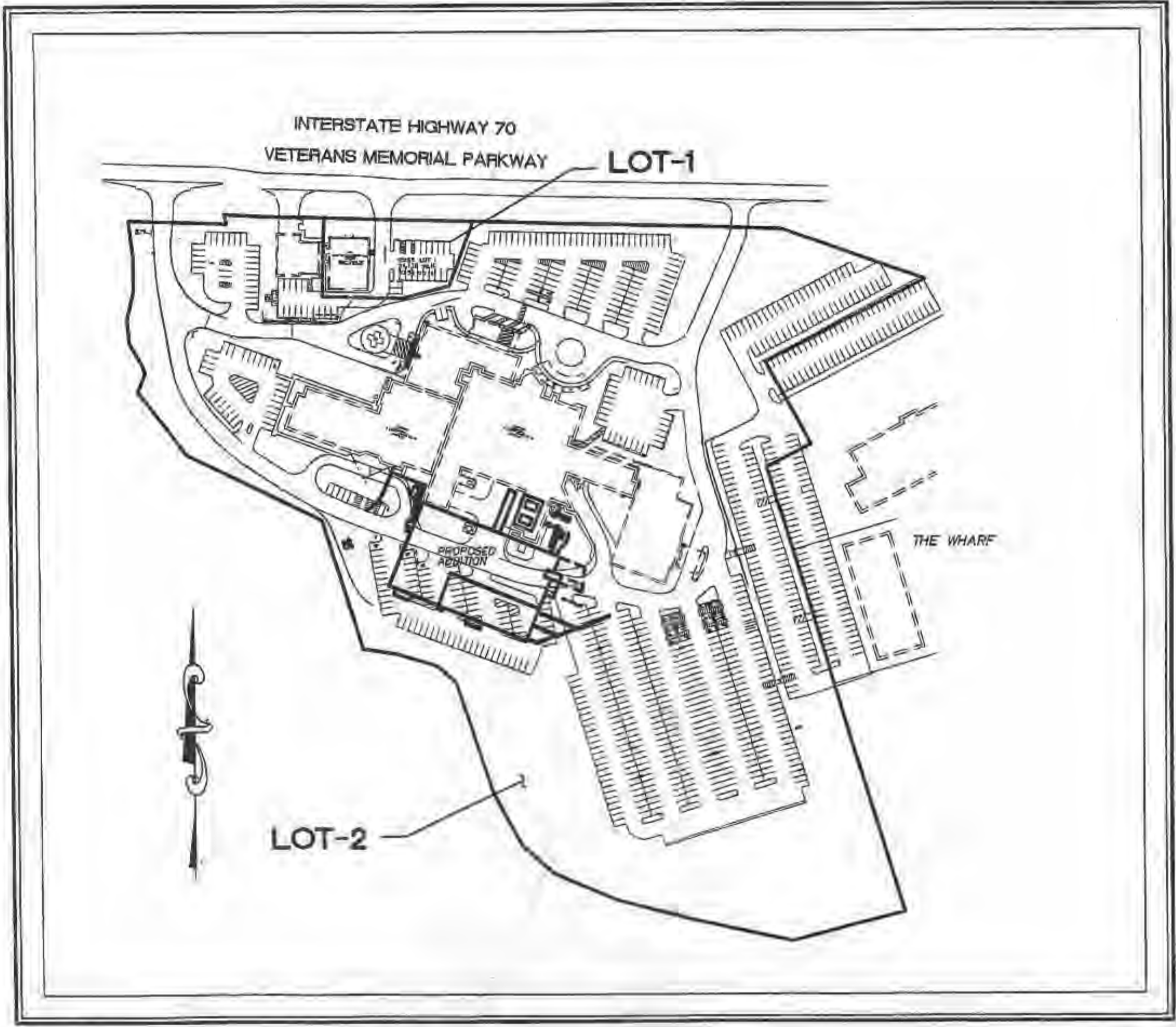
CONSTRUCTION DOCUMENTS

ST. JOSEPH WEST HOSPITAL BUILDING ADDITION

LOT 2 OF ST. JOSEPH'S WEST PLAT ONE
PART OF FRACTIONAL SECTIONS 26 & 27
TOWNSHIP 47 NORTH, RANGE 2 EAST
ST. CHARLES COUNTY, MISSOURI

CITY OF LAKE SAINT LOUIS GENERAL NOTES

1. Gas, water and other underground utilities shall not conflict with the depth or horizontal locations of existing and proposed sanitary and storm sewers, including house laterals.
2. Underground utilities have been plotted from available information and, therefore, their locations must 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 grading or construction of improvements.
3. Polyvinyl Chloride (PVC) shall conform to the requirements of ASTM D-3034 Standard Specifications for the PSM Polyvinyl Chloride (PVC) Sewer Pipe and Fittings, SDR-35.
4. Storm sewers 18" in diameter or smaller shall be ASTM C-14.
5. Storm sewers 21" in diameter or larger shall be ASTM C-76, Class II.
6. All storm sewer pipe under pavement, regardless of size, shall be reinforced concrete pipe (ASTM C-76, Class III) unless noted otherwise in the plans.
7. All filled places under buildings, proposed sanitary and storm sewer lines, and/or paved areas including trench backfills, and all earthen filled places within State, County, or City roads (Highways), shall be compacted to at least 90% of the maximum dry density as determined by the "Modified A.A.S.H.T.O. T-180 Compaction Test" (ASTM D-1557) unless otherwise specified by the local governing authority specifications. All tests will be verified by a soils engineer.
8. All storm and sanitary trench backfills shall be water jetted. 1" clean rock compacted in place will be under paved areas.
9. Easements shall be provided for storm sewers, sanitary sewers, and all utilities on the record plat. See record plat for location and size of easements. This does not apply to building laterals.
10. No area shall be cleared without the permission of the City Engineer and Developer.
11. All grades shall be within 0.2 feet (more or less) of those shown on the grading plan.
12. No slope shall be greater than 3:1 and shall be either sodded or seeded and mulched or stabilized as determined by the City Engineer.
13. Hazard markers will consist of three (3) standard specification, "Manual on Uniform Traffic Control Devices," end of roadway markers mounted on two (2) pound "U" channel sign post. Each marker shall consist of an eighteen (18) inch diamond reflectorized red panel. The bottom of each panel shall be mounted a minimum of four (4) feet above the elevation of the pavement surface.
14. All manhole and curb inlet tops built without elevations furnished by the Engineer will be the responsibility of the sewer contractor. At the time of construction stake-out of the sewer lines, all curbs and grate inlets will be face staked. If normal face stakes fail in line with sewer construction, the Engineer will set these stakes on a double offset. It shall be the responsibility of the sewer contractor to preserve all face stakes from destruction.
15. All standard street curb inlets to have front of inlet 2 feet behind curb.
16. The minimum vertical distance from the low point of the building to the flowline of a sanitary sewer at the corresponding building connection shall not be less than the diameter of the sanitary sewer plus a vertical distance not less than two and one-half feet (2-1/2').
17. Water lines, valves, sleeves, meters and etc., shall meet all specifications and installation requirements of the local governing authority.
18. All cast iron pipe for water mains shall conform to A.W.W.A. specification C-106 and/or C-108. The cast iron fittings shall conform to A.W.W.A. specification C-110. All rubber gasket joints for water cast iron pressure pipe and fittings shall conform to A.W.W.A. specification C-111.
19. All water hydrants and valves shall be cast iron and installed in accordance with plans and details.
20. All sanitary and storm sewers shall meet all specifications and installation requirements of the local governing authority.
21. All PVC water pipe shall have a minimum pressure rating of PR-200 or SDR-21.
22. All streets must meet the specifications and installation requirements of the City of Lake Saint Louis.
23. Manhole frame and cover shall be Clay and Bailey No. 2008 or Neenah R-1736 or Deeter 1315 or approved equal.
24. The soil engineer shall be employed by the owner. The contractor shall notify the soils engineer at least two days prior to start of grading or paving, and at least 1 day prior to resumption of work after any substantial delay.
25. When grading operations are completed or suspended for more than 30 days, permanent grass must be established at sufficient density to provide erosion control on the site. Between permanent grass seeding periods, temporary cover shall be provided according to the City of Lake Saint Louis specifications.
26. All water lines shall be laid at least 10 feet horizontally from any sanitary sewer, storm sewer, or manhole. Whenever water lines must 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 ductile iron water pipe shall be centered over the sewer line to be crossed so that the joint 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, horizontally, or any sewer or drain it crosses.
27. All manhole and inlet tops built without elevations furnished by the Engineer will be the responsibility of the sewer contractor.
28. The length of the concrete encasement around the P.V.C. sanitary sewers and the concrete storm sewers shall extend at least 5' into undisturbed soil to bridge the pipe across the trench backfill. Reinforcing steel shall be placed in the concrete encasement for tensile strength.
29. All construction and materials used shall conform to current City of Lake Saint Louis Standards. (Reference Appendix 1, A and B of City Code).
30. All PVC sanitary pipe is to have crushed stone bedding uniformly graded between 1" and 1/4" size. This bedding shall extend from 5' below the pipe to 7/10 of the pipe depth above the bottom of the pipe.
31. Erosion control shall not be limited to what is shown on the plan. The contractor shall take whatever means necessary to prevent siltation and erosion from entering adjacent roadways, properties and ditches. Such control might include channeling runoff into sediment basins, channeling runoff into areas where an extra right-of-way of straw bales are used. A silt fence might be considered if necessary, as directed by the City Engineer.
32. The City of Lake Saint Louis shall be notified at least 48 hours prior to construction of sanitary sewers for coordination and inspection.



LOCATION MAP
N.T.S.

SITE BENCHMARK

"0" IN OPEN ON HYDRANT ± 19' NORTH OF THE
AMBULANCE BUILDING.
ELEVATION = 535.43

DEVELOPMENT NOTES

1. Area of Development: 13.47 acres.
2. Present Zoning: "C2" Community District.
3. Proposed Use: Hospital (Medical Office).
4. Maximum Height Requirement: 35 feet.
5. Site is served by or located in the following:
 - a. Water - St. Charles County Water District No. 2
 - b. Sanitary Sewers - St. Charles County Water Dist. No. 2 and City of O'Fallon
 - c. Gas - St. Charles Gas Company
 - d. Telephone - Century Tel.
 - e. Fire - Lake Saint Louis Fire Protection District
 - f. Electric - Sny-Lea River Electric
 - g. School - Wentzville "R-4" School District
 - h. Cable T.V. - IWT

DRAWING INDEX

Sheet	Description
C1	COVER SHEET
C2	SITE PLAN
C3	DEMOLITION PLAN
C4	PAVEMENT PLAN
C5	UTILITY PLAN
C6	GRADING PLAN
C7	SILTATION CONTROL PLAN
C8	SANITARY SEWER PROFILES AND DETAILS
C9	STORM SEWER PROFILES AND DETAILS
C10	SITE DETAILS
C11	SILTATION CONTROL DETAILS
C12	WATERLINE DETAILS
C13	DRAINAGE AREA MAP

LEGEND

	Sanitary Sewer (Proposed)		Sanitary Structure		R.C.P. Reinforced Concrete Pipe
	Sanitary Sewer (Existing)		Storm Structure		C.M.P. Corrugated Metal Pipe
	Storm Sewer (Proposed)		Test Hole		C.I.P. Cast Iron Pipe
	Storm Sewer (Existing)		Power Pole		P.V.C. Polyvinyl Chloride
	Water Line & Size		Light Standard		V.C.P. Vitritified Clay Pipe
	Existing water line		Double Water Meter Setting		V.A. Van Accessible
	Tea & Valve		Single Water Meter Setting		C.O. Clean Out
	Cap		Hydrant		A.D.J. Adjust To Grade
	Lot or Building Number		Street Sign		T.B.R. To Be Removed
	Existing Fence Line		Curb Inlet		T.B.R.&R. To Be Removed & Relocated
	Existing Tree Line		Double Curb Inlet		T.B.P. To Be Protected
	Existing Floodway		Guts Inlet		T.B.A. To Be Abandoned
	Existing Flood Plain		Area Inlet		B.C. Base Of Curb
	Existing Contour		Double Area Inlet		T.C. Top Of Curb
	Proposed Contour		Flared End Section		T.W. Top Of Wall
	All Weather Drive		End Pipe		B.W. Bottom Of Wall
	Asphalt Pavement		Energy Disipator		E.W. End Of Wall
	Concrete Pavement		Manhole		U.N.O. Unless Noted Otherwise
			Concrete Pipe		OX Oxygen Line
			Ex. Underground Site Lighting		(TYP) Typical
			Site Lighting		FDV Fuel Oil Vent

OWNER:

ST. JOSEPH'S HEALTH CENTER
300 FIRST CAPITOL DRIVE
ST. CHARLES, MO 63301
CONTACT: MR. TED PIVIN
PHONE: (636) 947-5000
FAX: (636) 947-5090

The Professional Architect's seal affixed to this sheet applies only to the material and items shown on this sheet. All drawings, instruments or other documents prepared by this architect, and the architect expressly disclaims any liability for such drawings, instruments or documents not exhibiting this seal.

Project Title:

BUILDING ADDITION (EARLY WORK PACKAGE)
SSM HEALTHCARE
ST. JOSEPH HOSPITAL WEST
 LAKE ST. LOUIS, MO 63367
 100 MEDICAL PLAZA



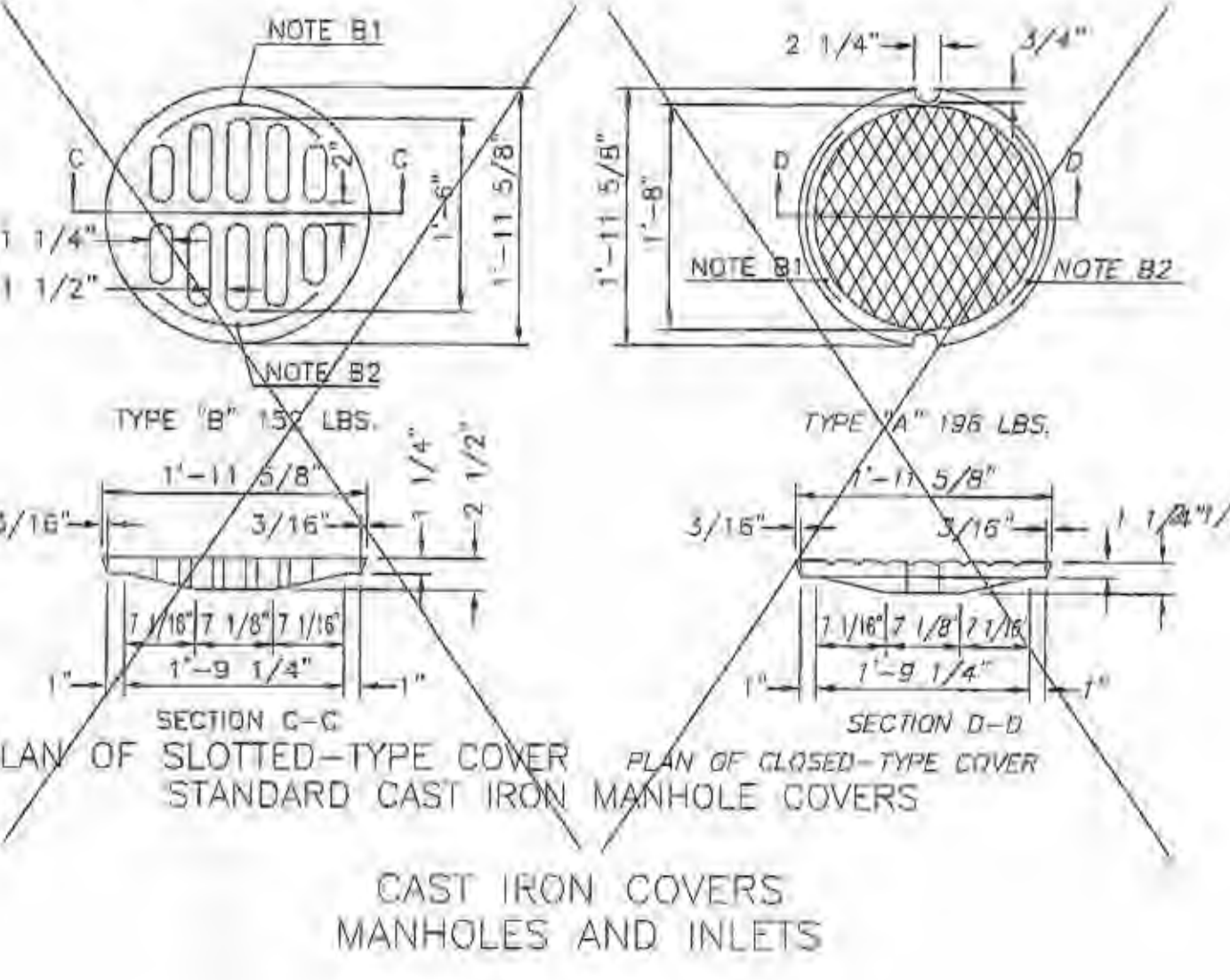
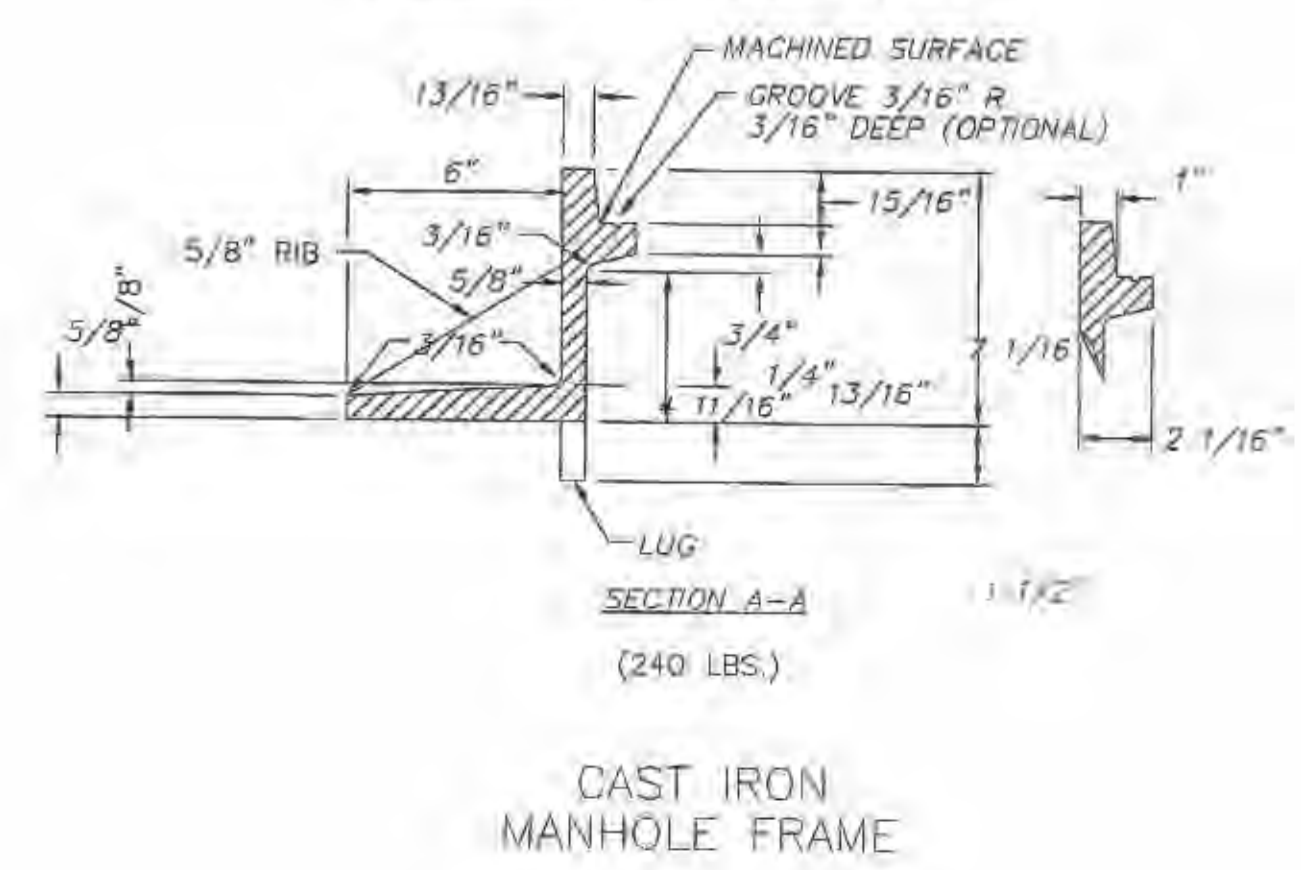
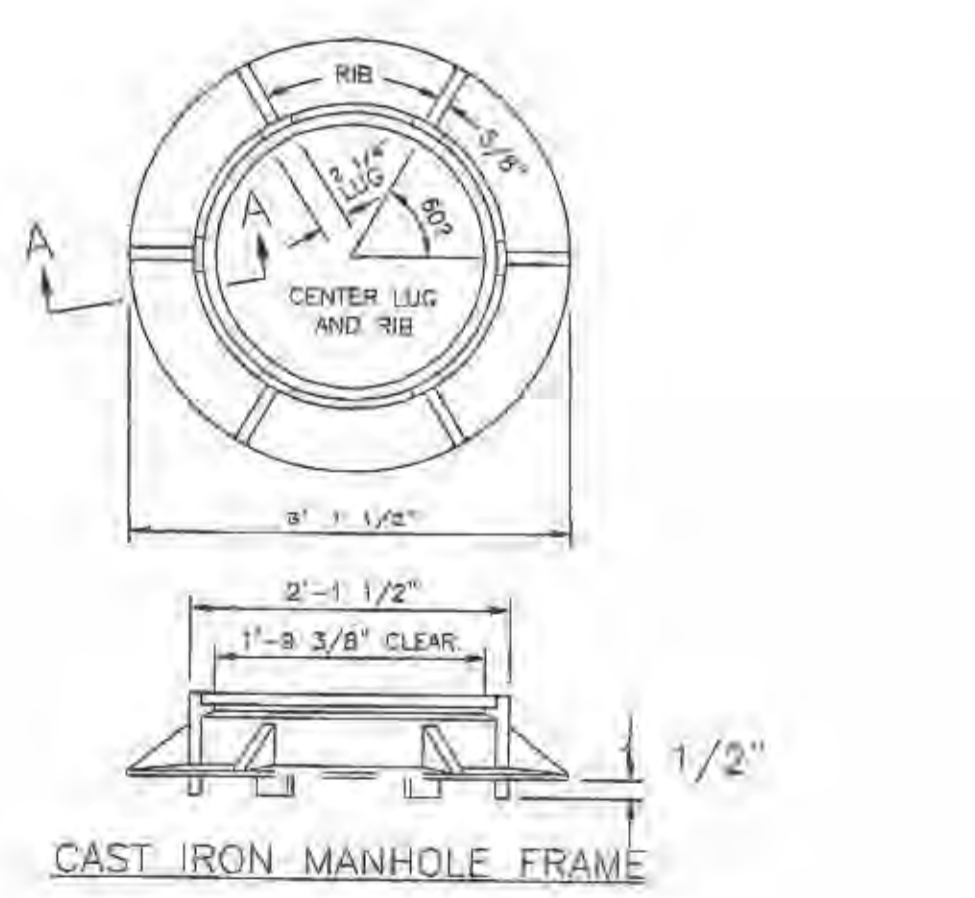
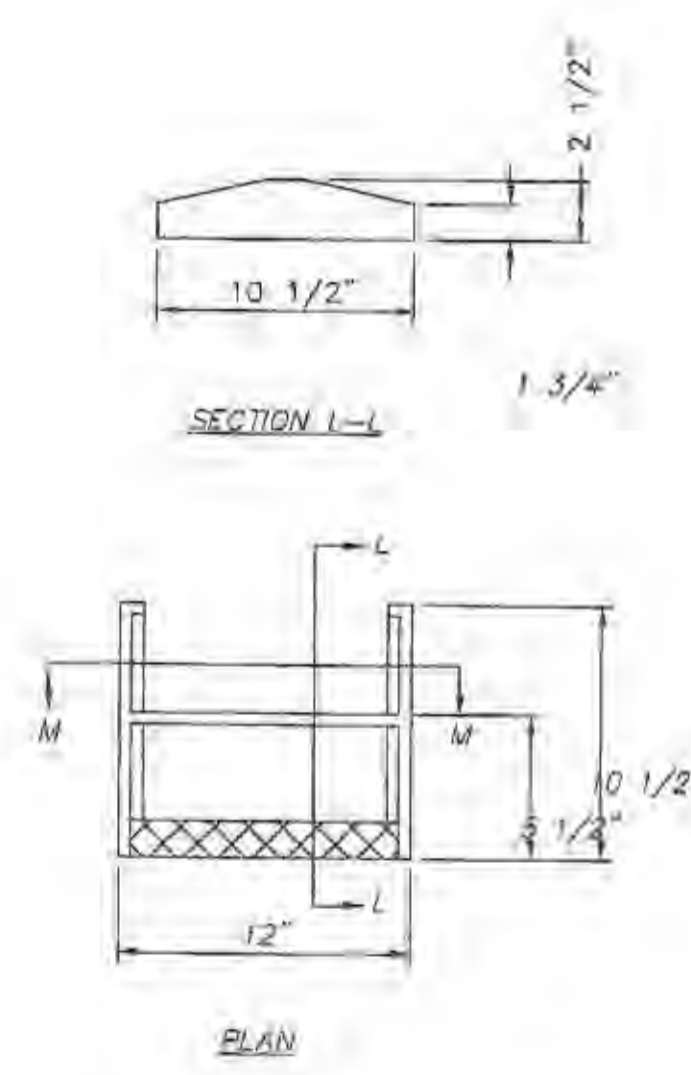
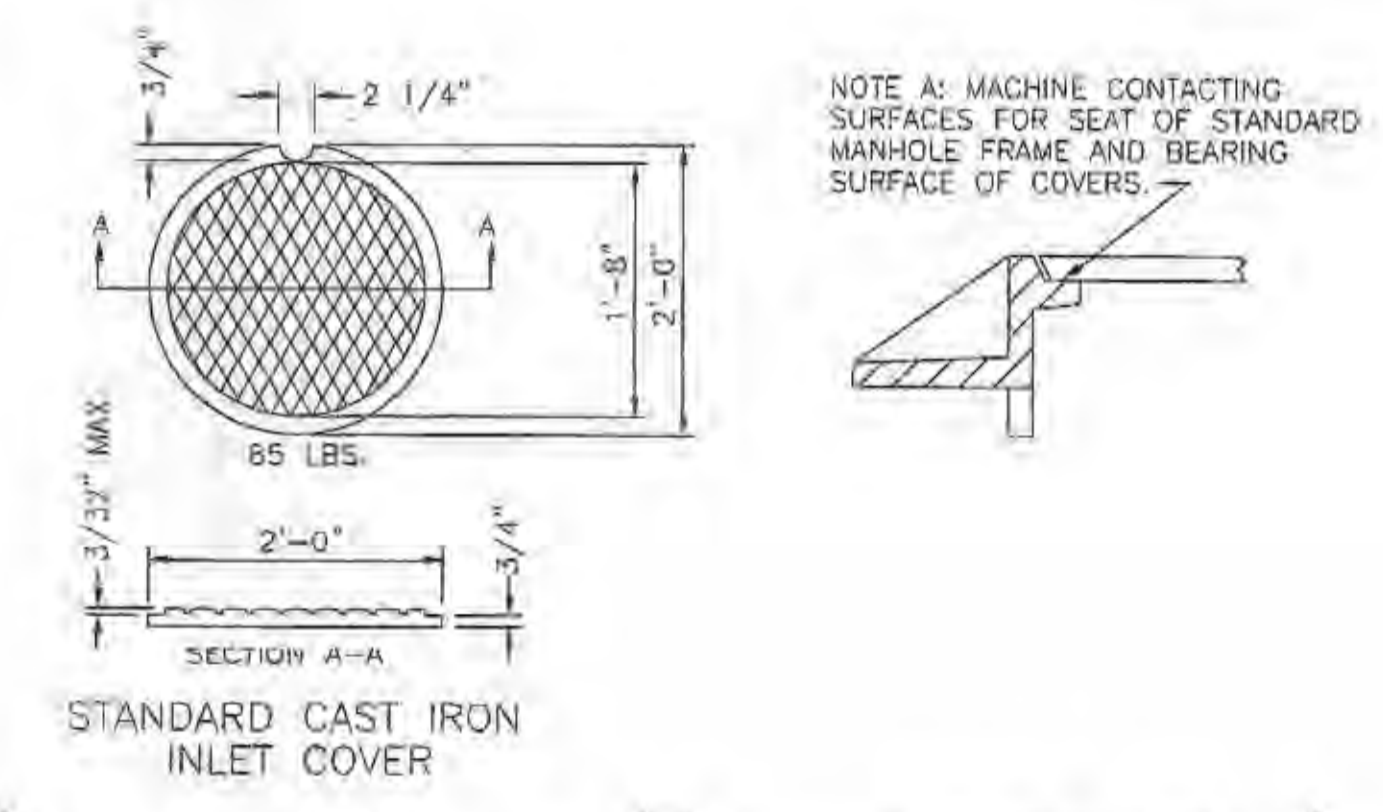
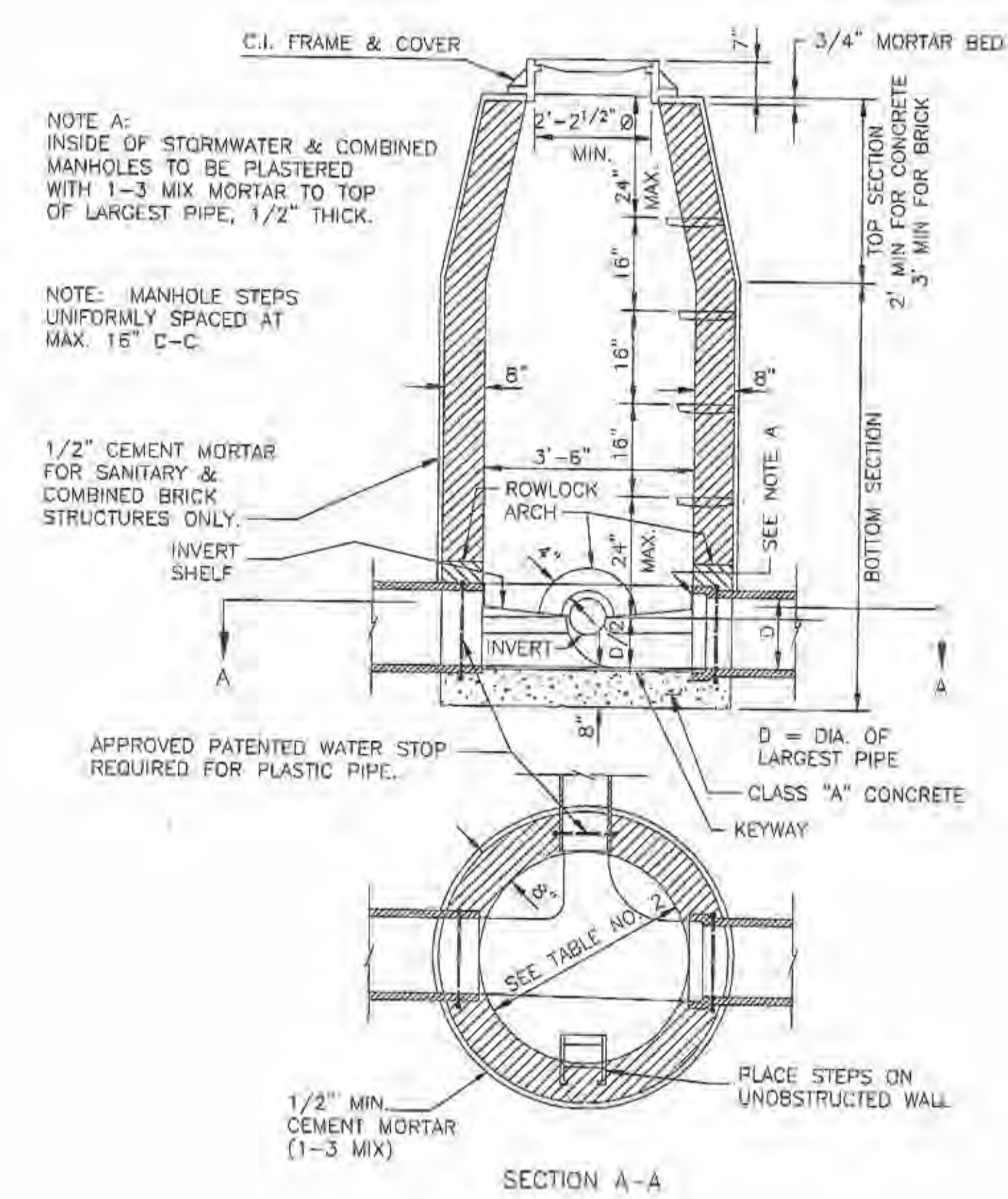
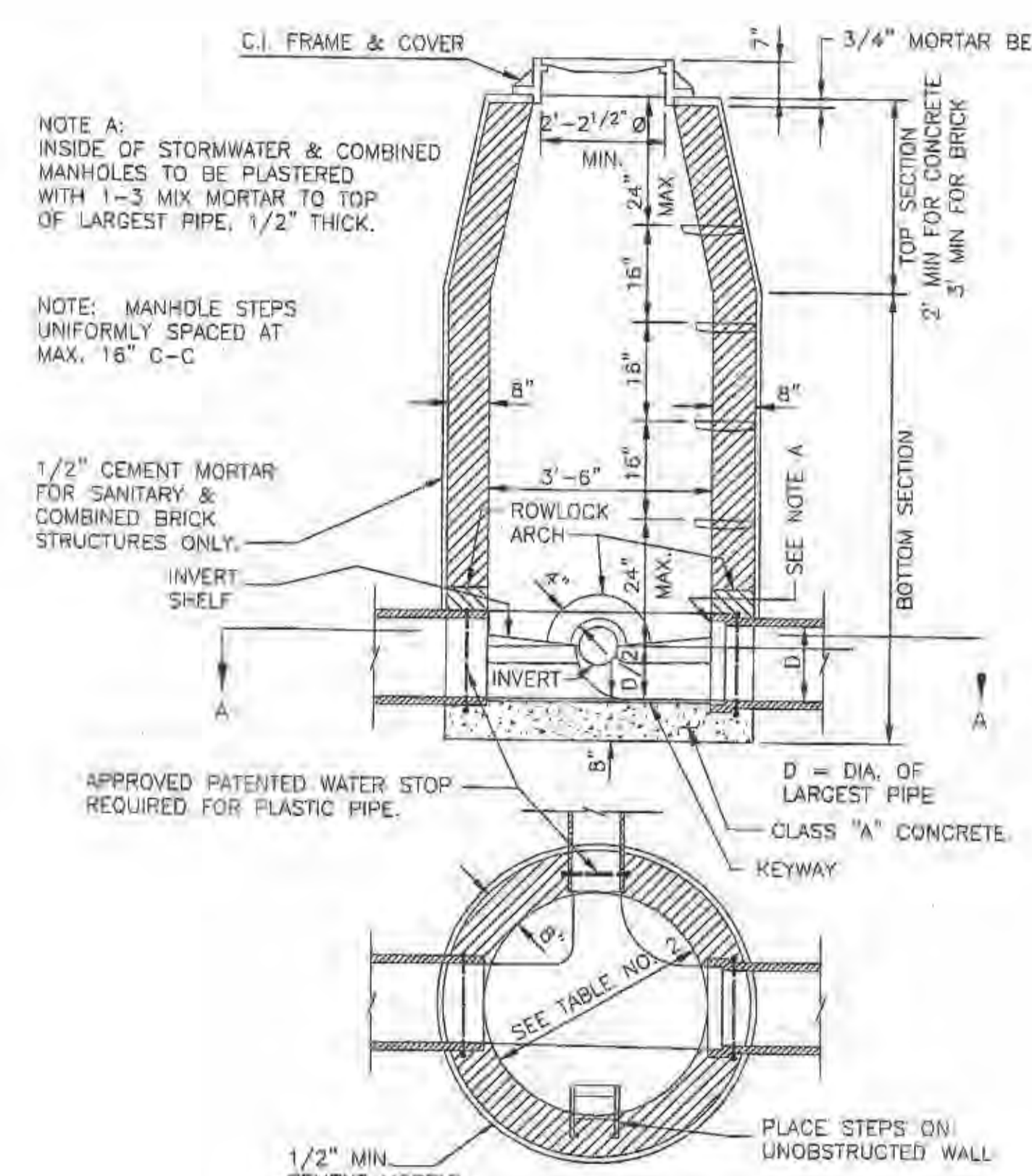
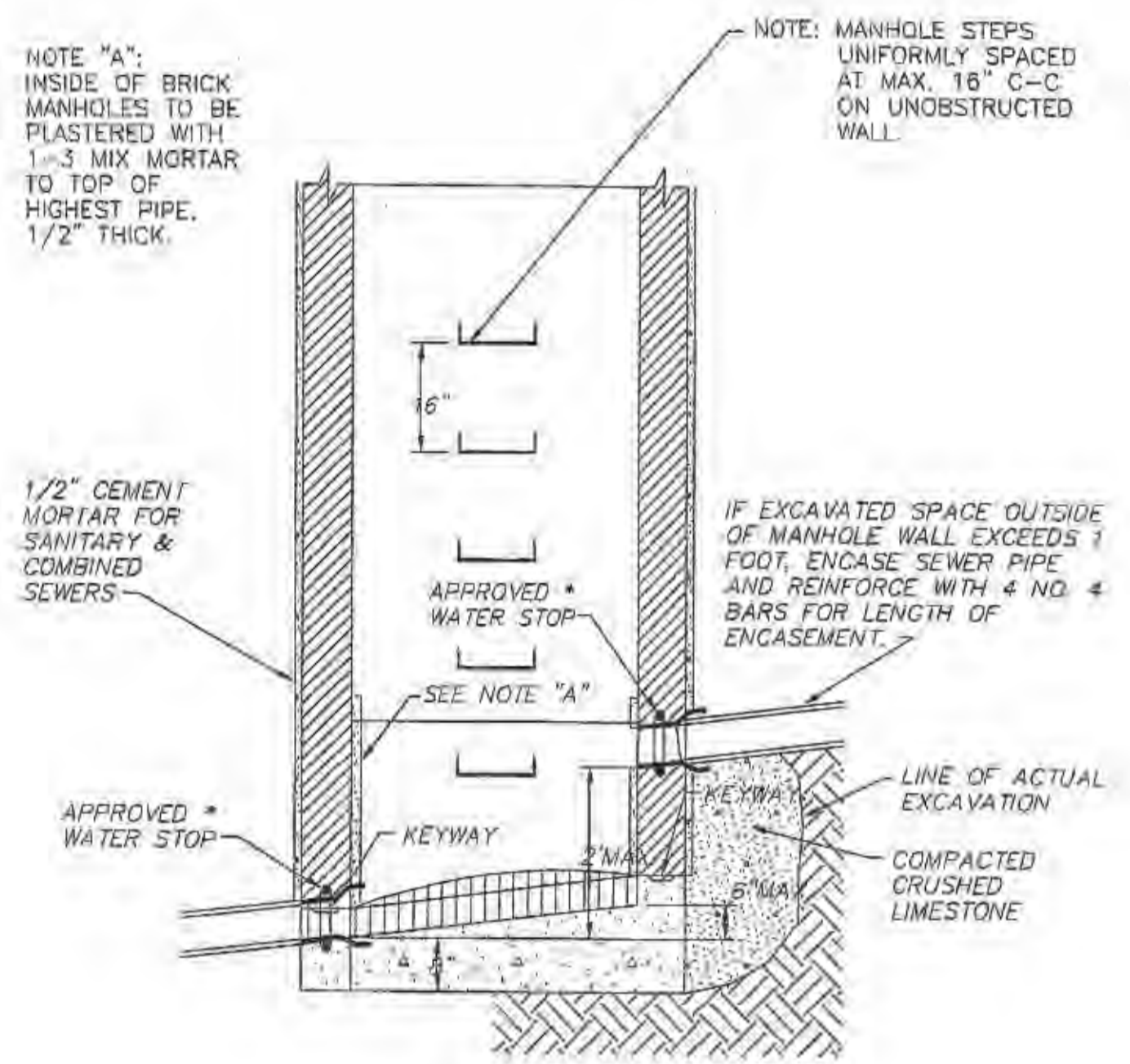
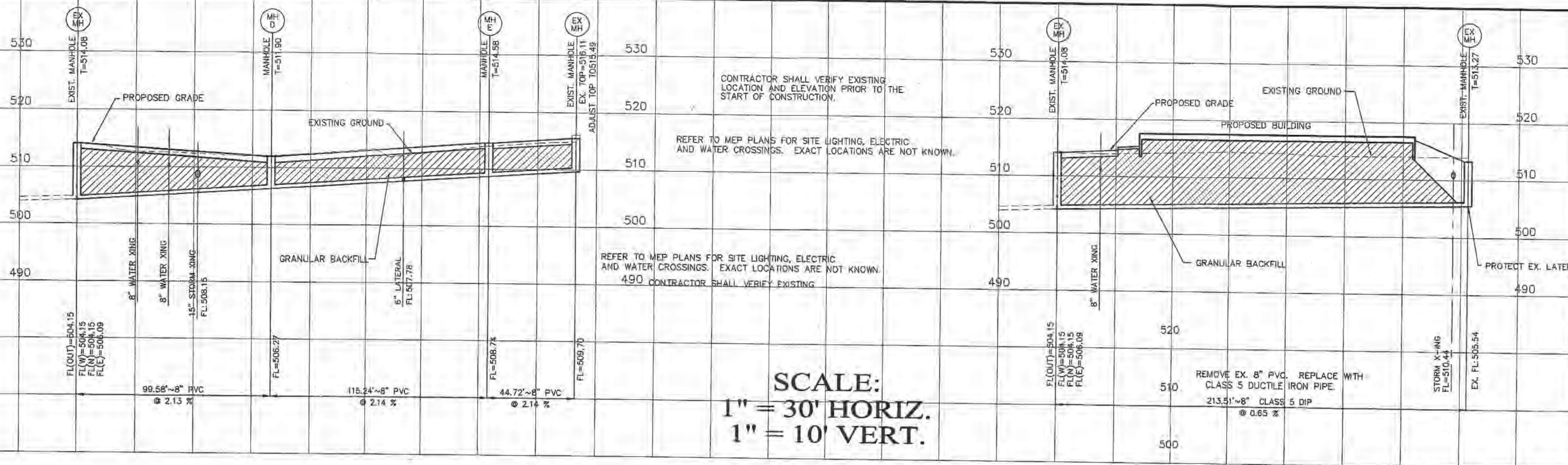
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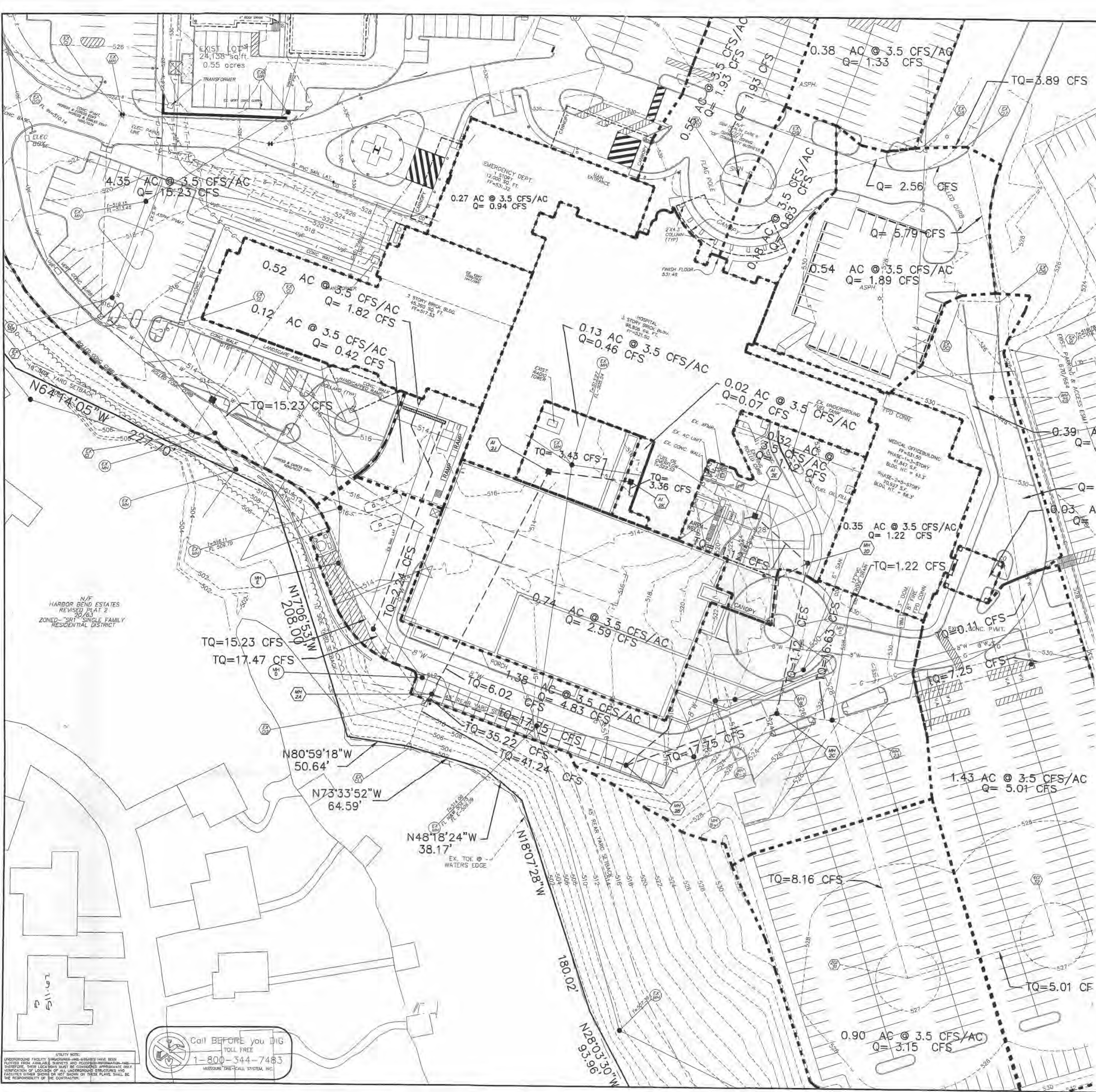
No.	Revision	Description	Date

COVER SHEET

Project Number: 03106
Sheet Number: C1 of 13
Drawn by: [Blank]
Issue Date: December 15, 2003

UTILITY NOTES:
UNDERGROUND FACILITY LOCATIONS AND DEPTHS HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDED INFORMATION AND, THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THE VERIFICATION OF THE LOCATION OF ALL UNDERGROUND UTILITIES AND FACILITIES EITHER SHOWN OR NOT SHOWN ON THESE PLANS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.





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Professional Seal:

The Professional Architect's seal affixed to this sheet signifies that the architect has prepared this sheet in accordance with the provisions of the Missouri Professional Architects Act, Chapter 332, RSMo. All drawings, documents or other documents prepared by this architect, and this architect's approval of any and all drawings, documents, specifications, drawings or documents not abiding this seal.

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BUILDING ADDITION (EARLY WORK PACKAGE)
SSM HEALTHCARE
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