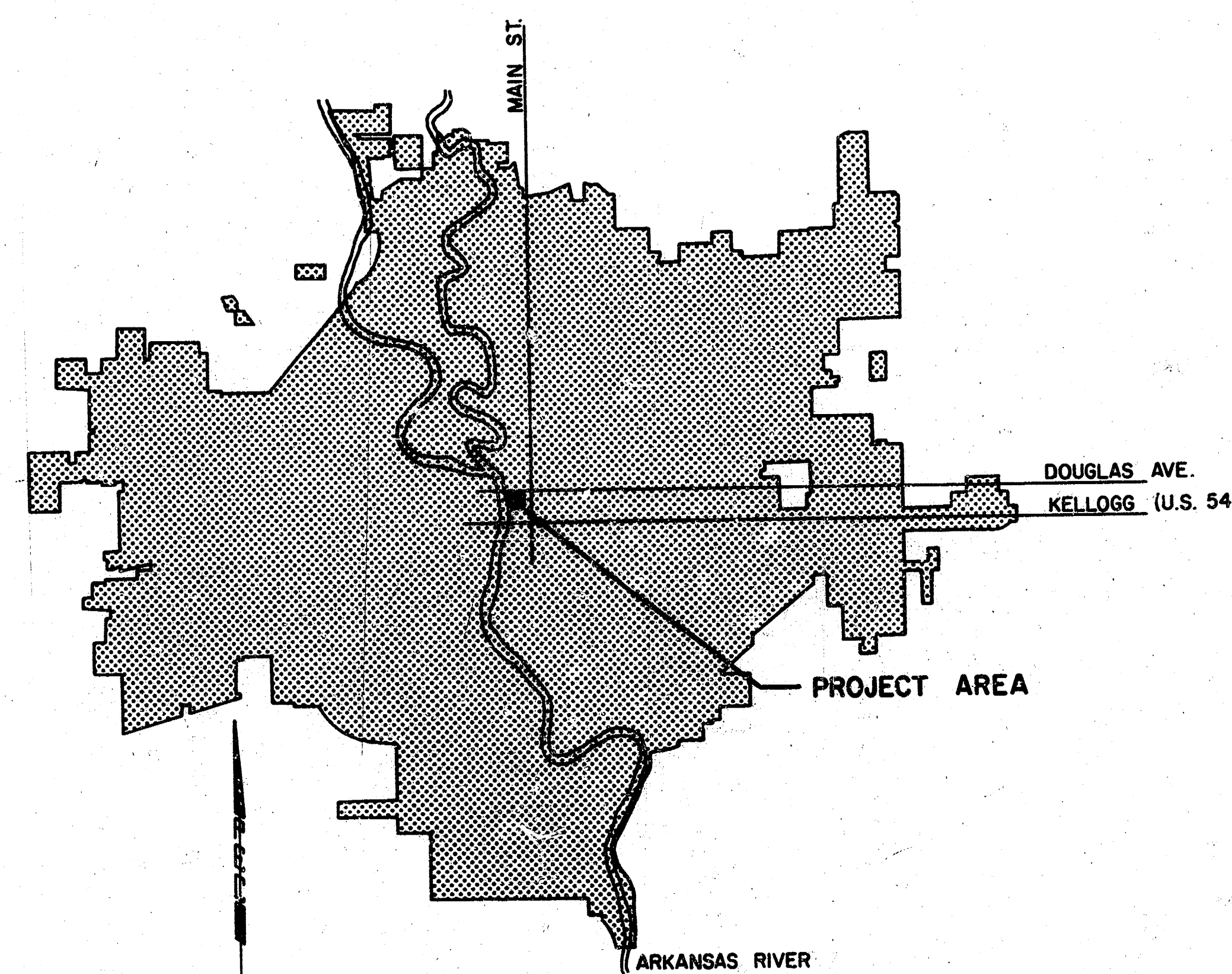


CONSTRUCTION PLANS FOR CENTURY II UTILITY RELOCATIONS

IN

THE CITY OF WICHITA,
SEDGWICK COUNTY, KANSAS



NOTE: CONTRACTOR WILL BE REQUIRED TO WORK SIX (6) DAYS WITH TEN (10) HOUR SHIFTS
EACH DAY PER EACH WEEK WHEN COMPLETING WORK ON THIS PROJECT.

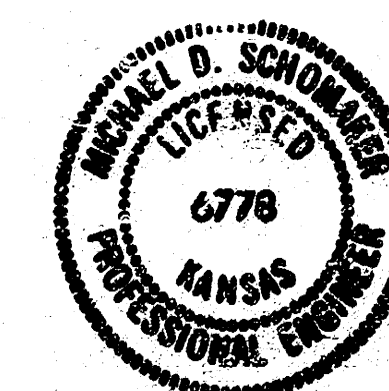
LOCATION MAP

CITY OF WICHITA PROJECT NO. 460-48-470-80048-000-000-002

FEBRUARY, 1984

PLANS PREPARED BY

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS



CITY OF WICHITA-ENGINEERING DIVISION (STORM SEWER & SANITARY SEWER)	
DESIGN ENGINEER	DATE
CITY OF WICHITA-WATER DIVISION	
DIRECTOR OF WATER	DATE
CHIEF ENGINEER-WATER ENGINEERING	DATE

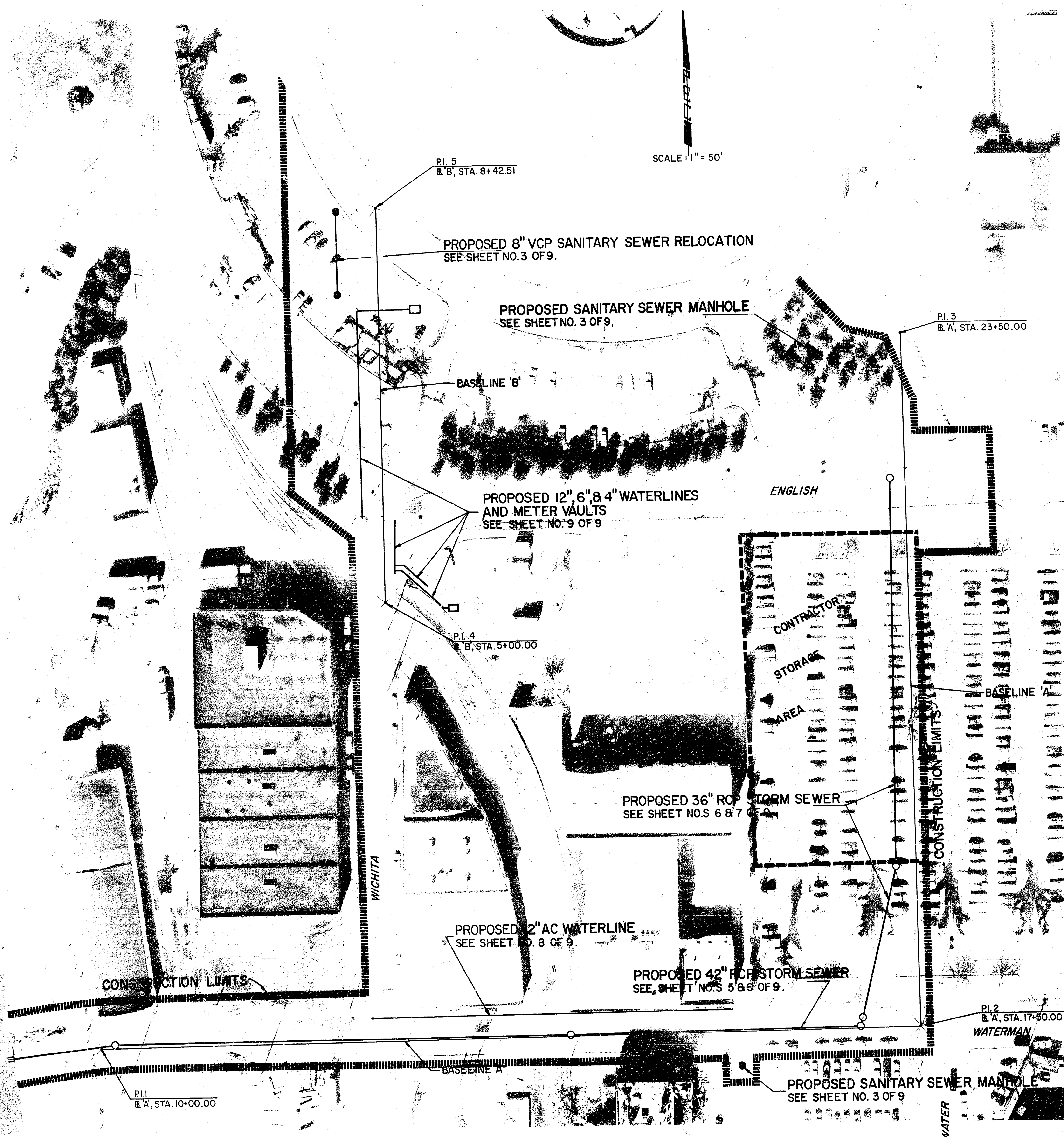
FILMED FROM THE BEST
AVAILABLE COPY

- BENCH MARK LIST**
(ALL ELEVATIONS ARE CITY DATUM)
- BM-1 SOUTHEAST CORNER BRONZE PLAQUE, NORTH SIDE DOUGLAS AVE. AND SOUTH OF CENTER OF GARVEY BUILDING. ELEV. = 113.94
 - BM-4 3/4" IRON PIPE IN THIMBLE AT WEST SIDE WATER STREET ON CENTERLINE WATERMAN. ELEV. = 110.34
 - BM-5 P.K. NAIL IN NORTH LANE ENGLISH ON APPROXIMATE CENTERLINE OF ALLEY EXTENDED NORTH, SOUTH OF CENTURY II. ELEV. = 111.50
 - BM-6 HEADBOLT BETWEEN "MUELLER" AND "CHATTANOOGA" ON FIRE HYDRANT AT NORTHWEST CORNER MICHITA AND WATERMAN. ELEV. = 111.56
 - BM-7 1/2" REBAR ON EAST RIVERBANK, WEST OF A. PRICE WOODARD PARK RESTROOMS, BETWEEN SIDEWALK AND RIVER. ELEV. = 98.47

- BASILINE A**
- PI 1 STA. 10+00.00 NAIL AND SHINER IN ASPHALT WALK 5253.00E
 - 45.93' SW, CHISELED "X" IN NORTH SIDE BASE OF LIGHT POLE
 - 44.62' NW, CHISELED "X" IN WEST SIDE BASE OF LIGHT POLE
 - 34.12' ESE, NAIL AND SHINER IN NORTH FACE POWER POLE
 - PI 2 STA. 17+50.00 NAIL AND SHINER IN WATERMAN 6003.00E
 - 35.65' NE, CHISELED "X" IN BACK OF CURB
 - 23.59' SW, NAIL AND SHINER IN EAST FACE POWER POLE
 - 50.71' SE, CHISELED "X" IN BACK OF CURB
 - PI 3 STA. 23+50.00 CHISELED "X" IN WALK 6003.00E
 - 17.87' N, 1/2" REBAR IN FLOWER BOX
 - 8.46' E, 1/2" REBAR IN FLOWER BOX
 - 16.93' W, 1/2" REBAR AT EDGE SIDEWALK
 - BASILINE B**
 - PI 4 STA. 5+00.00 CHISELED "X" IN STREET 5525.00E
 - 47.02' WSW, CHISELED "X" IN NORTHWEST CORNER OF SIDEWALK AT "SW TRANSFER"
 - 34.27' NNE, CHISELED "X" AT FOOT OF SIDEWALK
 - 63.95' S, NAIL AND SHINER IN EAST FACE POWER POLE
 - PI 5 STA. 8+42.51 NAIL AND SHINER IN WALK 5525.00E
 - 43.97' W, CHISELED "X" IN BACK OF CURB
 - 48.81' W, CHISELED "X" IN GUTTER
 - 51.46' SE, CHISELED "X" IN GUTTER

ARKANSAS RIVER

PHOTOGRAPHY OBTAINED ON 16 FEB. 1983
BY
MILES AIR PHOTO & SURVEY
LAWRENCE, KANSAS 66849

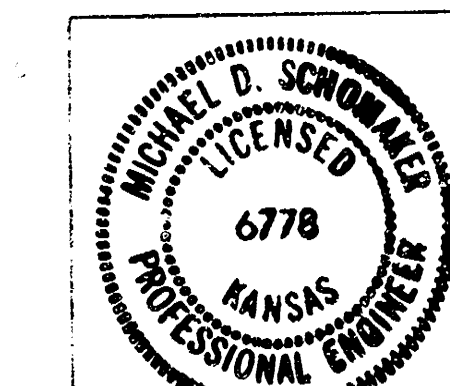


- GENERAL NOTES**
- 1) ALL CONSTRUCTION AND MATERIALS TO COMPLY WITH CITY OF WICHITA SPECIFICATIONS AND STANDARDS.
 - 2) ALL ELEVATIONS SHOWN ARE CITY OF WICHITA DATUM (1955-1983) + CITY DATUM.
 - 3) THE CONTRACTOR SHALL LIMIT THE EXTENT OF TRENCH TO REMAIN OPEN OVERNIGHTS AND EXPOSED TO LESS THAN 50 FEET.
 - 4) AT LEAST 24 HOURS PRIOR TO BEGINNING EXCAVATION (EXCLUDING WEEKENDS AND HOLIDAYS) THE CONTRACTOR SHALL CONTACT THE UTILITY LOCATION SERVICE (CALL 311) AT (316) 827-5889 TO REQUEST THE FOLLOWING UTILITY COMPANIES TO LOCATE ANY EXISTING LINES WITHIN THE PROJECT AREA: GAS SERVICE COMPANY, SOUTHEASTERN BELL TELEPHONE COMPANY, THE WICHITA WATER DEPARTMENT, AIR CAPITAL CABLEVISION, AND ARKLA GAS COMPANY.
 - 5) THE CONTRACTOR SHALL AVOID REMOVAL OR TRIMMING OF ANY TREES WHERE POSSIBLE. WHERE THE CONTRACTOR BELIEVES THE REMOVAL OR TRIMMING IS UNAVOIDABLE, HE SHALL COORDINATE SUCH WORK WITH THE ENGINEER.
 - 6) TREE REMOVAL AND TREE TRIMMING SHALL BE DONE BY THE CONTRACTOR UNDER THE SUPERVISION OF THE ENGINEER AND SHALL BE CONSIDERED AS SUBSIDIARY TO OTHER ITEMS OF WORK.
 - 7) TREES REMOVED, TREE TRIMMINGS, AND OTHER DEBRIS SHALL BE HAULED FROM THE SITE BY THE CONTRACTOR AND MUST BE REMOVED BY THE ENGINEER AT NO ADDITIONAL COST TO THE OWNER.
 - 8) THE CONTRACTOR SHALL RESTORE ALL DITCHES, SWALES, ROAD SHOULDERS, ENTRANCES, AND BANK LINES TO THEIR ORIGINAL SLOPES AND GRADES EXCEPT WHERE INDICATED OTHERWISE IN THE PLANS.
 - 9) THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CONTINUOUS FLOW OF SANITARY SEWER AND STORM WATER THROUGH CONSTRUCTION. CONTRACTOR'S PROPOSED METHOD FOR MAINTAINING FLOW SHALL BE APPROVED BY THE ENGINEER. AND THIS COST SHALL BE CONSIDERED AS SUBSIDIARY TO THE OTHER ITEMS OF WORK.
 - 10) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY TREES. THE CONTRACTOR SHALL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY TREES WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH TREES SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR OR A LICENSED PROFESSIONAL ENGINEER IN ACCORDANCE WITH STATE LAWS. ALL COST FOR THIS WORK SHALL BE SUBSIDIARY TO THE OTHER ITEMS OF WORK.
 - 11) THE CONTRACTOR SHALL DEPOSIT ALL EXCESS EXCAVATED SOIL WITHIN THE BOUNDARIES PROVIDED BY THE ENGINEER.
 - 12) THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF WICHITA TO LOWER THE SPANARDS RIVER TO COMPLETE CONSTRUCTION OF THE HEADWALL STRUCTURE. THE CONTRACTOR SHALL ALSO SUBMIT A SCHEDULE THAT MINIMIZES THE TIME THE RIVER IS LOWERED FOR APPROVAL BY THE ENGINEER. THE WATER ELEVATION IN THE ARKANSAS RIVER CANNOT BE LOWERED DURING THE WICHITA RIVER FESTIVAL (MAY 15 TO MAY 20).
 - 13) THE CONTRACTOR SHALL SUBMIT FOR APPROVAL BY THE ENGINEER A TRAFFIC ROUTING PLAN TO MAINTAIN ACCESS TO CENTURY II, PHYSICAL PLANT, AND SOUTHWEST HOUSING BUILDING DURING CONSTRUCTION. WATERMAN STREET MAY BE CLOSED DURING CONSTRUCTION WEST OF WATER STREET.
 - 14) THE CONTRACTOR SHALL COORDINATE WITH THE BUILDING CONTRACTOR TO SERVICE TO EXISTING FACILITIES CAN BE MAINTAINED AND SHALL SCHEDULE WORK TO AVOID CONSTRUCTION CONFLICTS.
 - 15) THE CONTRACTOR SHALL SCHEDULE THE REMOVAL AND RESETTling OF THE RAILROAD TRACKS WITHIN THE BUILDING COMPANIES WHERE REQUIRED.
 - 16) ALL WATER MAINS AND APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR WATER MAIN INSTALLATIONS NUMBER 1553.
 - 17) THERE IS TO BE NO WATER LINE WORK STARTED BY THE CONTRACTOR PRIOR TO NOTIFICATION AND APPROVAL OF THE ENGINEERING DIVISION OF THE WICHITA WATER DEPARTMENT AND THE ASSIGNMENT AND PRESENCE OF A DEPARTMENT INSPECTOR ON THE CONSTRUCTION SITE. SHOULD CONSTRUCTION BE STOPPED PRIOR TO THESE REQUIREMENTS BEING MET, THE CONTRACTOR MAY BE REQUIRED TO RE-OPEN ANY TRENCHES THAT HAVE BEEN BACKFILLED.
 - 18) THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY PERMITS NECESSARY TO COMPLETE THE PROJECT AS SHOWN ON THE PLANS AND SPECIFICATIONS. ALL COSTS FOR PERMITS SHALL BE BORNE BY THE CONTRACTOR.
 - 19) PAVEMENT REMOVAL AND REPLACEMENT WILL BE PAID FOR AT THE UNIT PRICE BID PER LINEAL FOOT FOR THE VARIOUS TYPES OF PAVEMENT SHOWN IN THE BID FORM. THE CONTRACTOR SHALL INCLUDE ALL COSTS IN CONNECTION WITH REMOVING AND REPLACING PAVEMENT IN ACCORDANCE WITH THE CITY OF WICHITA SPECIFICATIONS REGARDLESS OF THE WIDTH OF PAVEMENT REMOVED.
 - 20) THE CONTRACTOR SHALL NOTIFY THE WICHITA RIVER ASSOCIATION OF THE DATES THE ARKANSAS RIVER IS TO BE LOWERED. LEROY KIMMICH 267-4526.

CONSTRUCTION PRIORITY SCHEDULE

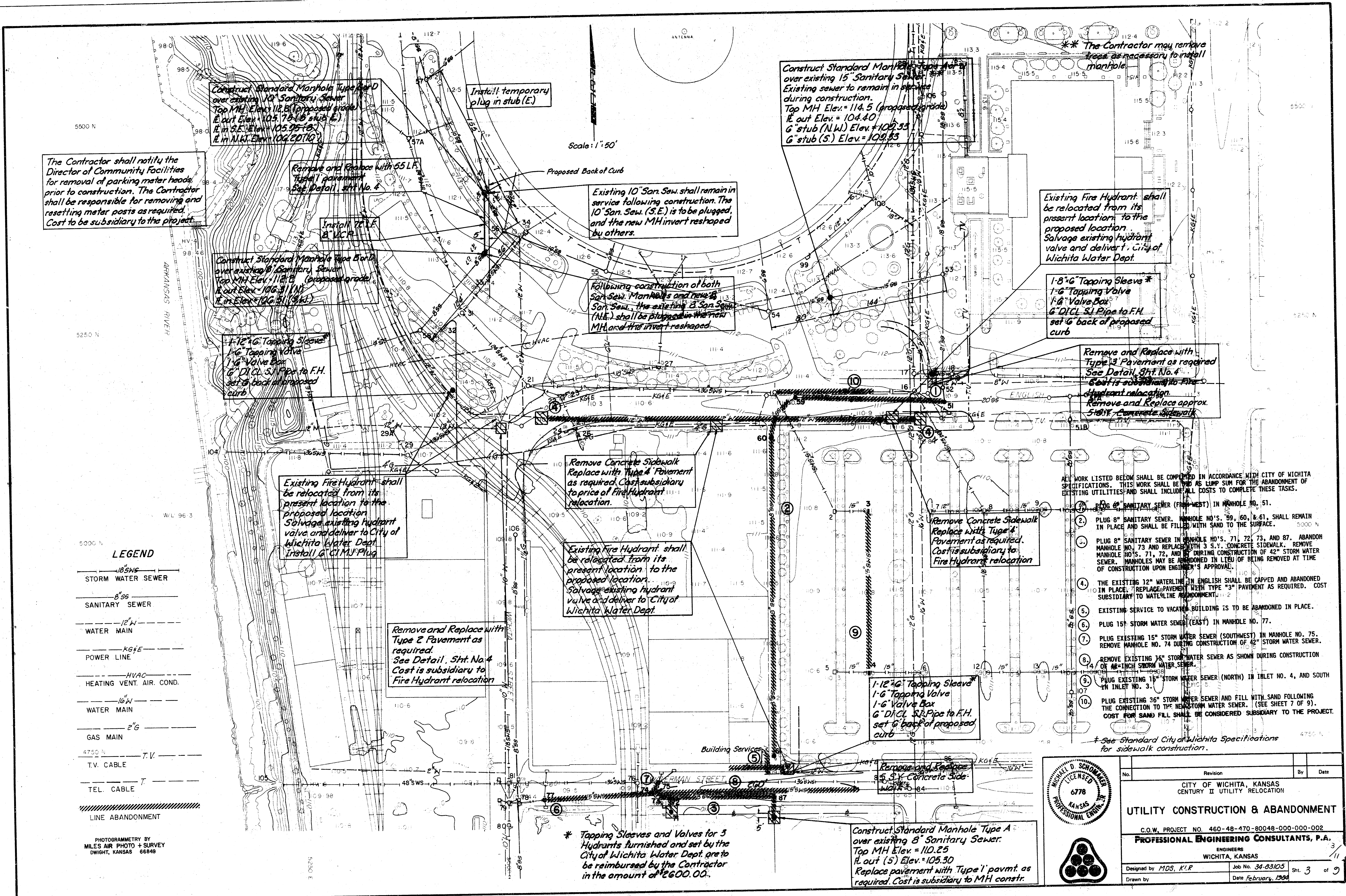
THIS INFORMATION IS TO SHOW THE CONTRACTOR THE ORDER OF IMPORTANCE OF THE TASKS TO COMPLETION OF THE UTILITY RELOCATION PROJECT. THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION SCHEDULE SHOWING TIME OF COMPLETION FOR EACH TASK TO THE ENGINEER FOR APPROVAL PRIOR TO BEGINNING CONSTRUCTION.

PRIORITY	TASK	PRIORITY	TASK
1.	CONSTRUCT 6-INCH WATER SERVICE LINE FROM THE MAIN LINE TO AND INCLUDING METER BOX TO PROVIDE WATER SERVICE TO CENTURY II - SHEET 9 OF 9.	7.	CONSTRUCT HEADWALL STRUCTURE AND RESTORE RIVER BANK - SHEETS 4 & 5 OF 9.
2.	CONSTRUCT 12-INCH WATER LINE IN WICHITA ST. AND ALLOW ARKANSAS RIVER TO RETURN TO NORMAL DEPTH. REMOVE SPUR TRACKS WEST OF WICHITA ST. WHERE TO SCHEDULE SUBMITTED TO BUILDING - SHEET 2 OF 9. GENERAL NOTE IS CONSTRUCT 42-INCH STORM WATER SEWER ACROSS TRACK LOCATION AND PROTECT MEET WALLS - SHEET 5 OF 9.	8.	INSTALL TEMPORARY PLUG IN THE MANHOLE AT STATION 5+00.00 AND ALLOW ARKANSAS RIVER TO RETURN TO NORMAL DEPTH. REMOVE SPUR TRACKS WEST OF WICHITA ST. WHERE TO SCHEDULE SUBMITTED TO BUILDING - SHEET 2 OF 9. GENERAL NOTE IS CONSTRUCT 42-INCH STORM WATER SEWER ACROSS TRACK LOCATION AND PROTECT MEET WALLS - SHEET 5 OF 9.
3.	REPAIR PAVEMENT AT THE LOCATIONS DISTURBED DURING WORK ON WATERLINES INDICATED IN PRIORITY NO. 1 - SHEET 4 OF 9.	9.	INSTALL TEMPORARY PLUG IN THE 12-INCH STORM WATER SEWER IN MANHOLE NO. 84 TO DIVERT FLOW TO EXISTING 24-INCH STORM WATER SEWER - SHEET 3 OF 9.
4.	REPAIR PAVEMENT AT THE LOCATIONS DISTURBED DURING WORK ON WATERLINES INDICATED IN PRIORITY NO. 1 - SHEET 4 OF 9.	10.	INSTALL 42-INCH STORM WATER SEWER TO MANHOLE STATION 10+00.00 - SHEET 3 OF 9.
5.	CONSTRUCT 4-INCH DIAMETER SANITARY SEWER MANHOLE OVER EXISTING 12-INCH SANITARY SEWER - SHEET 3 OF 9.	11.	INSTALL 42-INCH STORM WATER SEWER TO MANHOLE STATION 12+42.91 - SHEET 3 OF 9.
6.	CONSTRUCT 4-INCH DIAMETER SANITARY SEWER MANHOLE OVER EXISTING 8-INCH SANITARY SEWER - SHEET 3 OF 9.	12.	REMOVE EXISTING MANHOLE, TEMPORARILY PLUG INLET NO. 73 AND PERMANENTLY PLUG 12-INCH STORM WATER SEWER IN MANHOLE NO. 77 - SHEET 3 OF 9.
7.	REPAIR PAVEMENT AT THE LOCATIONS DISTURBED DURING WORK ON WATERLINES INDICATED IN PRIORITY NO. 1 - SHEET 4 OF 9.	13.	INSTALL 42-INCH STORM WATER SEWER TO MANHOLE STATION 12+42.91 - SHEET 3 OF 9.
8.	REPAIR PAVEMENT AT THE LOCATIONS DISTURBED DURING WORK ON WATERLINES INDICATED IN PRIORITY NO. 1 - SHEET 4 OF 9.	14.	INSTALL 42-INCH STORM WATER SEWER TO MANHOLE STATION 12+42.91 - SHEET 3 OF 9.
9.	REPAIR PAVEMENT AT THE LOCATIONS DISTURBED DURING WORK ON WATERLINES INDICATED IN PRIORITY NO. 1 - SHEET 4 OF 9.	15.	COMPLETE ALL PAVING AS INDICATED ON THE PLANS. COMPLETE SITE RESTORATION AND CLEANUP.



CITY OF WICHITA, KANSAS CENTURY II UTILITY RELOCATION	
KEY MAP & GENERAL INFORMATION	
C.O.W. PROJECT NO. 460-48-470-80048-000-000-002	
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.	
ENGINEERS WICHITA, KANSAS	DATE February, 1984
Designed by: MDS, KLR	Job No. 34-83105
Drawn by:	Sheet 2 of 9

FILMED FROM THE BEST AVAILABLE COPY



The Contractor shall notify the Director of Community Facilities for removal of parking meter heads prior to construction. The Contractor shall be responsible for removing and resetting meter posts as required. Cost to be subsidiary to the project.

Construct Standard Manhole Type B over existing 10" Sanitary Sewer. Top MH Elev. 118.5 (proposed grade). R. out Elev. 105.75 (5' stub E). R. in Elev. 105.95 (5' stub E). R. in M.H. Elev. 104.90 (10').

Remove and Replace with 55 LF Type 1 pavement. See Detail, Sht. No. 4.

Install 75 LF 8" V.C.P.

Construct Standard Manhole Type B over existing 8" Sanitary Sewer. Top MH Elev. 110.3 (proposed grade). R. out Elev. 106.31 (10'). R. in Elev. 106.31 (10').

1-12" G. Tapping Sleeve 1-6" Tapping Valve 1-6" Valve Box 6" D.I.C.L. S.P. Pipe to F.H. set 6" back of proposed curb.

Existing Fire Hydrant shall be relocated from its present location to the proposed location. Salvage existing hydrant valve and deliver to City of Wichita Water Dept. Install 6" C.I.M.P. Plug.

Remove and Replace with Type 2 Pavement as required. See Detail, Sht. No. 4. Cost is subsidiary to Fire Hydrant relocation.

Existing Fire Hydrant shall be relocated from its present location to the proposed location. Salvage existing hydrant valve and deliver to City of Wichita Water Dept.

Install temporary plug in stub (E).

Existing 10" San. Sew. shall remain in service following construction. The 10" San. Sew. (S.E.) is to be plugged, and the new MH invert reshaped by others.

Following construction of both San. Sew. Manholes and new 8" San. Sew., the existing 8" San. Sew. (N.W.) shall be plugged down the new MH and the invert reshaped.

Construct Standard Manhole Type A over existing 15" Sanitary Sewer. Existing sewer to remain in place during construction. Top MH Elev. 114.5 (proposed grade). R. out Elev. 104.40. 6" stub (N.W.) Elev. 105.33. 6" stub (S.) Elev. 109.85.

Existing Fire Hydrant shall be relocated from its present location to the proposed location. Salvage existing hydrant valve and deliver to City of Wichita Water Dept.

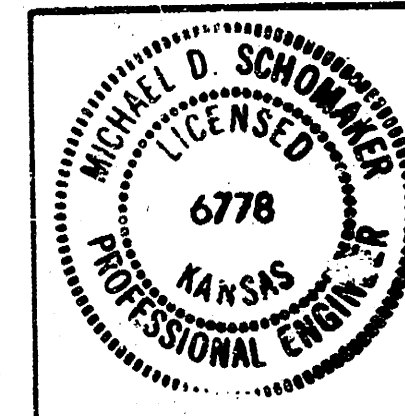
1-8" G. Tapping Sleeve 1-6" Tapping Valve 1-6" Valve Box 6" D.I.C.L. S.P. Pipe to F.H. set 6" back of proposed curb.

Remove and Replace with Type 3 Pavement as required. See Detail, Sht. No. 4. Cost is subsidiary to Fire Hydrant relocation. Remove and Replace approx. 50 LF Concrete Sidewalk.

ALL WORK LISTED BELOW SHALL BE COMPLETED IN ACCORDANCE WITH CITY OF WICHITA SPECIFICATIONS. THIS WORK SHALL BE PAID AS LUMP SUM FOR THE ABANDONMENT OF EXISTING UTILITIES AND SHALL INCLUDE ALL COSTS TO COMPLETE THESE TASKS.

1. PLUG 8" SANITARY SEWER (FRONT) IN MANHOLE NO. 51.
2. PLUG 8" SANITARY SEWER, MANHOLE NO'S. 59, 60, & 61, SHALL REMAIN IN PLACE AND SHALL BE FILLED WITH SAND TO THE SURFACE.
3. PLUG 8" SANITARY SEWER IN MANHOLE NO'S. 71, 72, 73, AND 87. ABANDON MANHOLE NO. 73 AND REPLACE WITH 3" S.P. CONCRETE SIDEWALK. REMOVE MANHOLE NO'S. 71, 72, AND 87 DURING CONSTRUCTION OF 42" STORM WATER SEWER. MANHOLE NO'S MAY BE ABANDONED IN LIEU OF BEING REMOVED AT TIME OF CONSTRUCTION UPON ENGINEER'S APPROVAL.
4. THE EXISTING 12" WATERLINE IN ENGLISH SHALL BE CAPPED AND ABANDONED IN PLACE. REPLACE PAVEMENT WITH TYPE "3" PAVEMENT AS REQUIRED. COST SUBSIDIARY TO WATERLINE ABANDONMENT.
5. EXISTING SERVICE TO VACANT BUILDING IS TO BE ABANDONED IN PLACE.
6. PLUG 15" STORM WATER SEWER (EAST) IN MANHOLE NO. 77.
7. PLUG EXISTING 15" STORM WATER SEWER (SOUTHWEST) IN MANHOLE NO. 75. REMOVE MANHOLE NO. 74 DURING CONSTRUCTION OF 42" STORM WATER SEWER.
8. REMOVE EXISTING 15" STORM WATER SEWER AS SHOWN DURING CONSTRUCTION OF 42" STORM WATER SEWER.
9. PLUG EXISTING 15" STORM WATER SEWER (NORTH) IN INLET NO. 4, AND SOUTH IN INLET NO. 3.
10. PLUG EXISTING 36" STORM WATER SEWER AND FILL WITH SAND FOLLOWING THE CONNECTION TO THE NEW STORM WATER SEWER. (SEE SHEET 7 OF 9). COST FOR SAND FILL SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT.

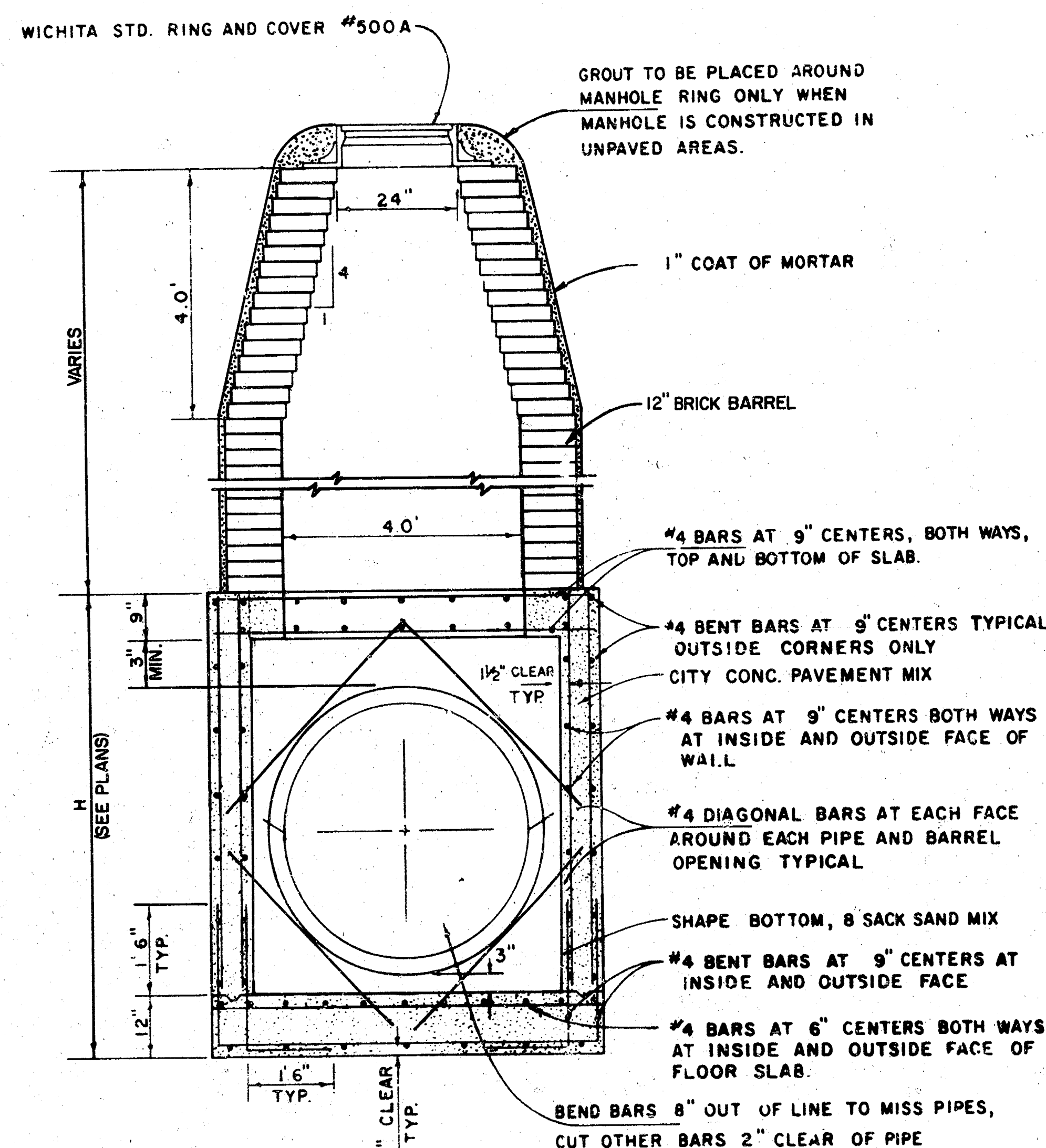
* See Standard City of Wichita Specifications for sidewalk construction.



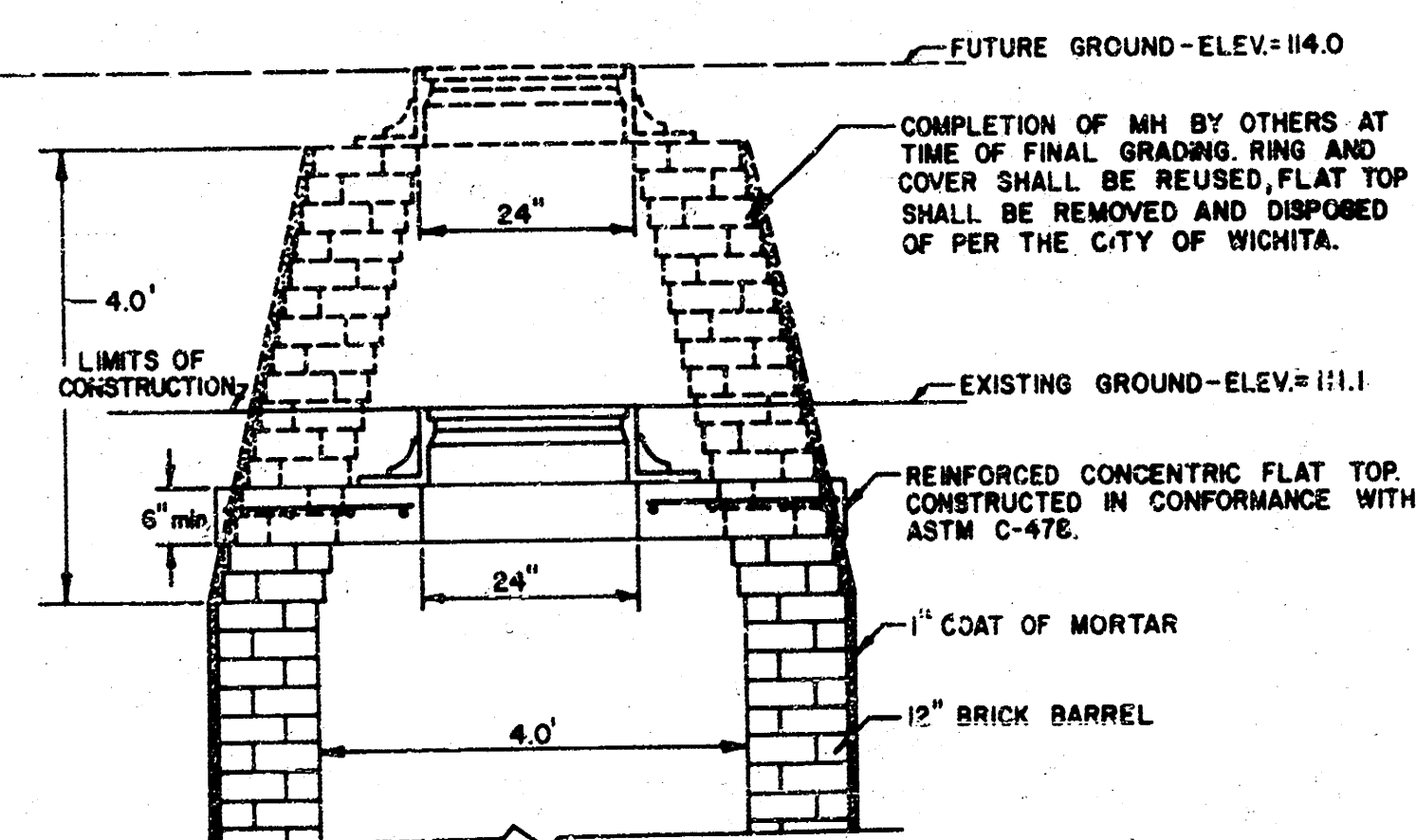
No.	Revision	By	Date
CITY OF WICHITA, KANSAS CENTURY II UTILITY RELOCATION			
UTILITY CONSTRUCTION & ABANDONMENT			
C.O.W. PROJECT NO. 460-48-470-80048-000-000-002			
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.			
ENGINEERS WICHITA, KANSAS			
Designed by	MOS, K.I.P.	Job No.	34-03105
Drawn by		Date	February, 1984
		Sht.	3 of 9

FILMED FROM THE BEST AVAILABLE COPY....

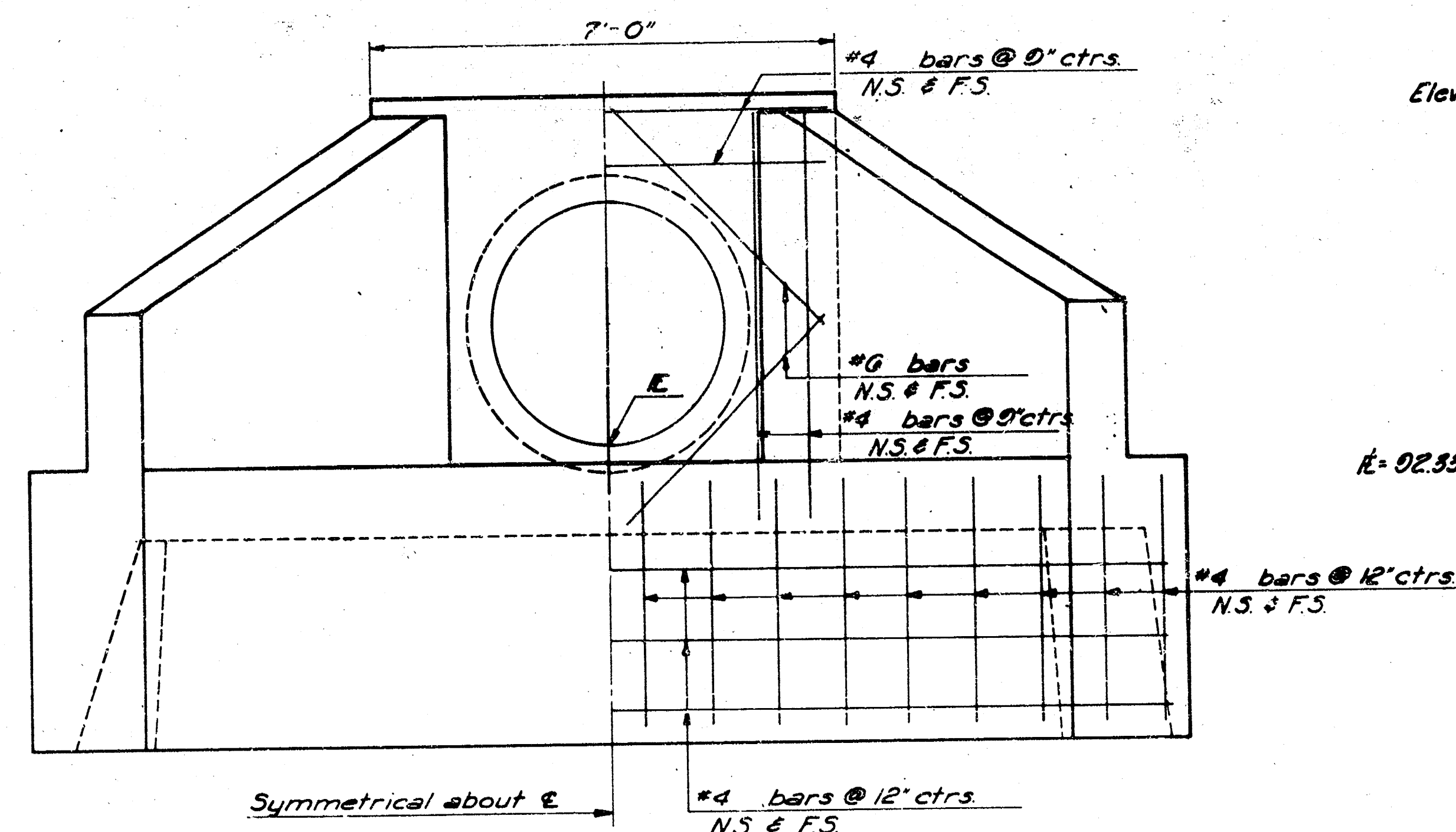
TOP VIEW



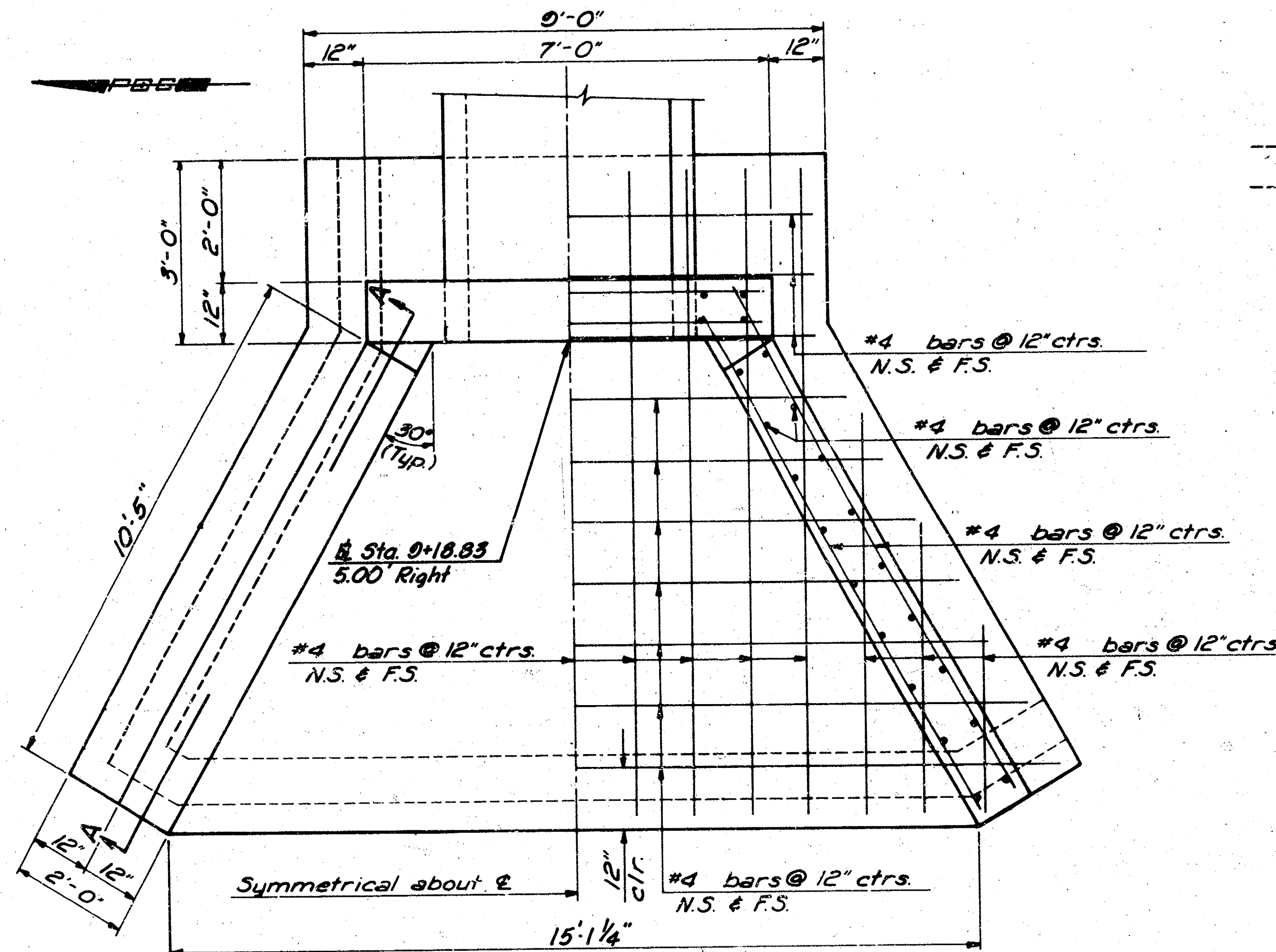
STANDARD
REINFORCED CONCRETE MANHOLE



SPECIAL DETAIL
(Sta. 17+43.40 ONLY)



ELEVATION & SECTION



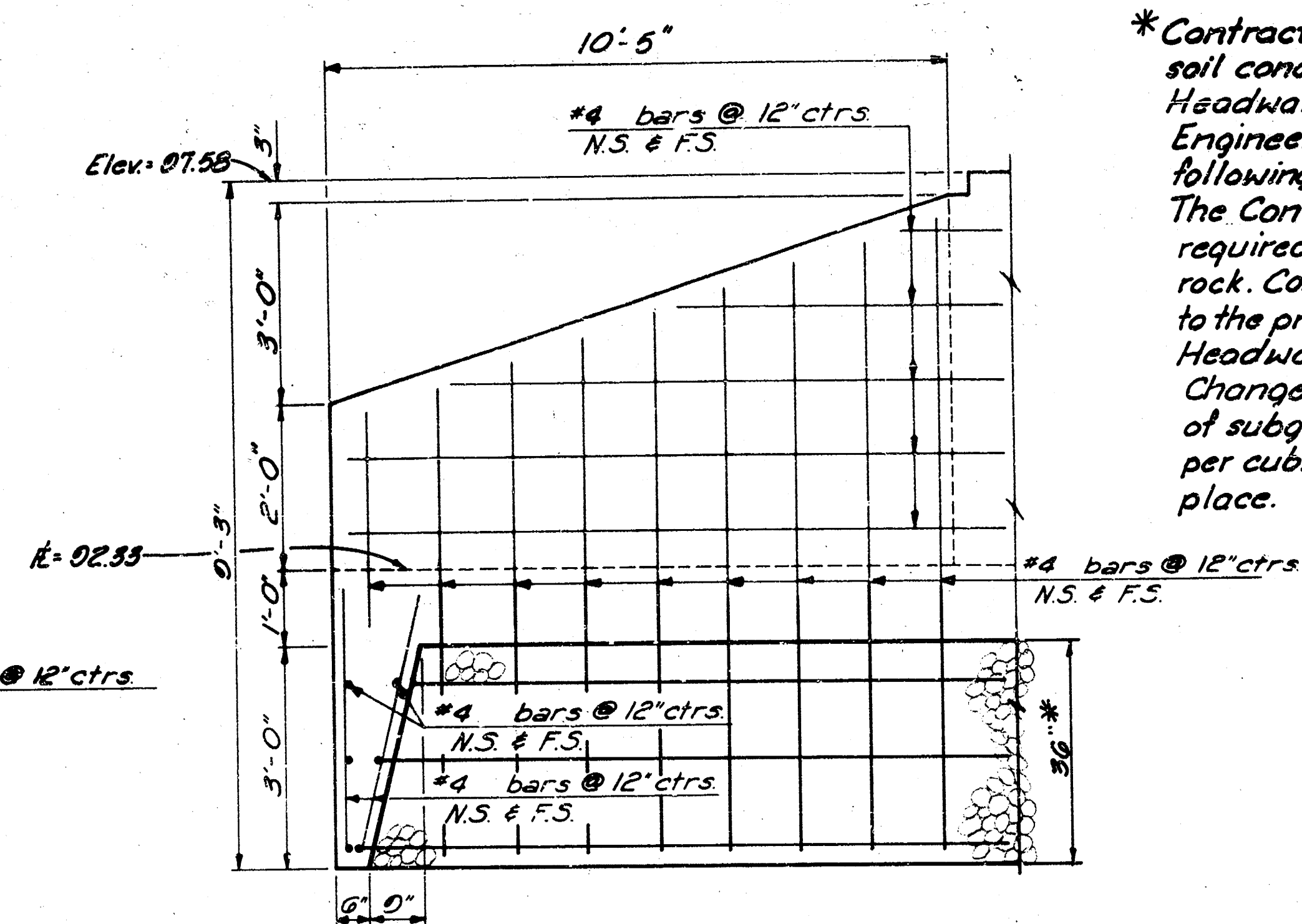
PLAN & SECTION

TYPE 3 CONCRETE HEADWALL

Concrete: Bevel all exposed edges with a $\frac{3}{4}$ " triangular molding, or finish with an approved edging tool.

Reinforcing Steel: All dimensions relative to reinforcing steel are to centerline of bar unless otherwise noted.

Concrete Headwall (Type 3) shall be paid for at the contract unit price bid per each in place including concrete, reinforcing steel, and other miscellaneous material, and for all labor, tools, equipment, and incidentals necessary to complete the work.

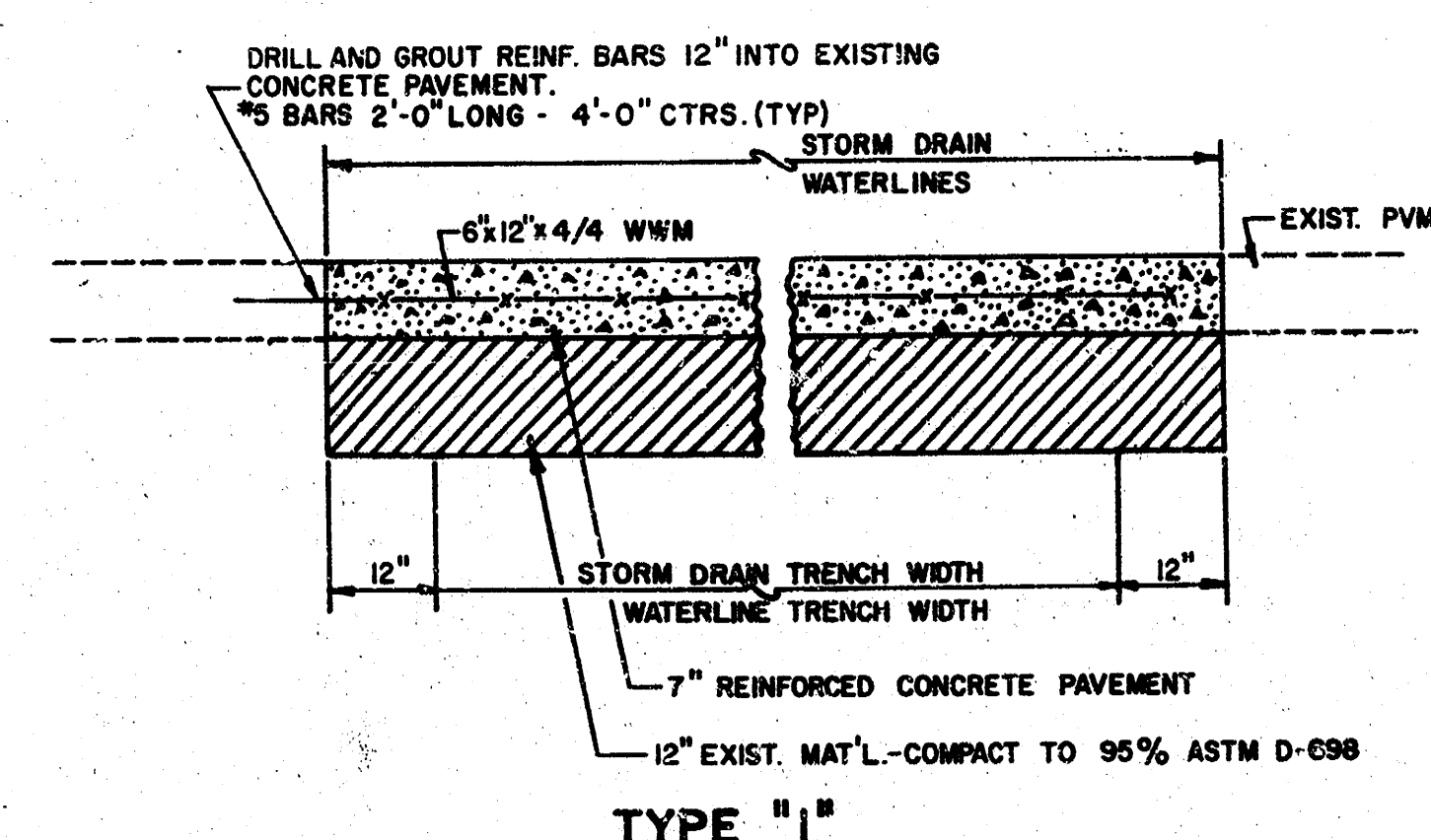


SECTION A-A

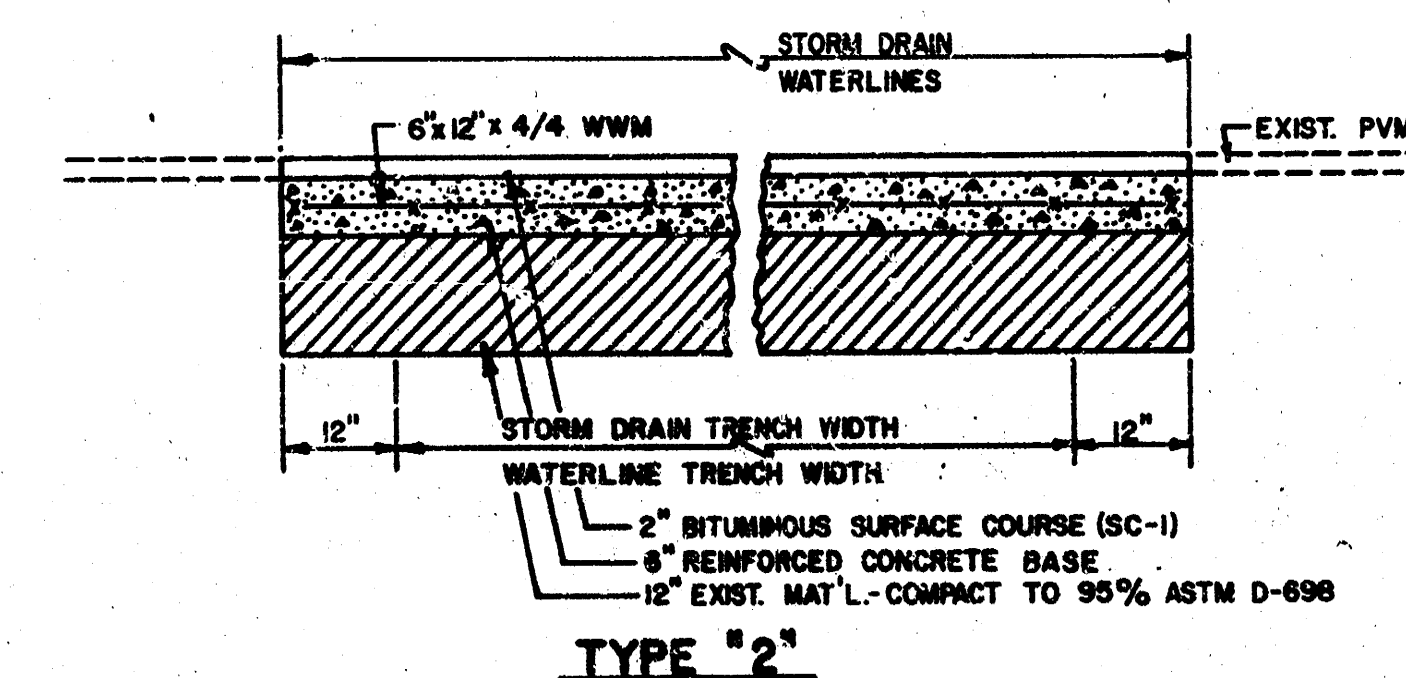
* Contractor shall have the Engineer verify soil conditions of the Type 3 Concrete Headwall prior to construction. The Engineer may adjust subgrade improvements following verification of soil conditions. The Contractor shall over excavate to the required depth and replace with 3' to 6' dia. rock. Cost for this work shall be subsidiary to the price bid for the Type 3 Concrete Headwall.

Changes in cost associated with adjustment of subgrade shall be paid for per unit price per cubic yard of 3' to 6' diameter rock in place.

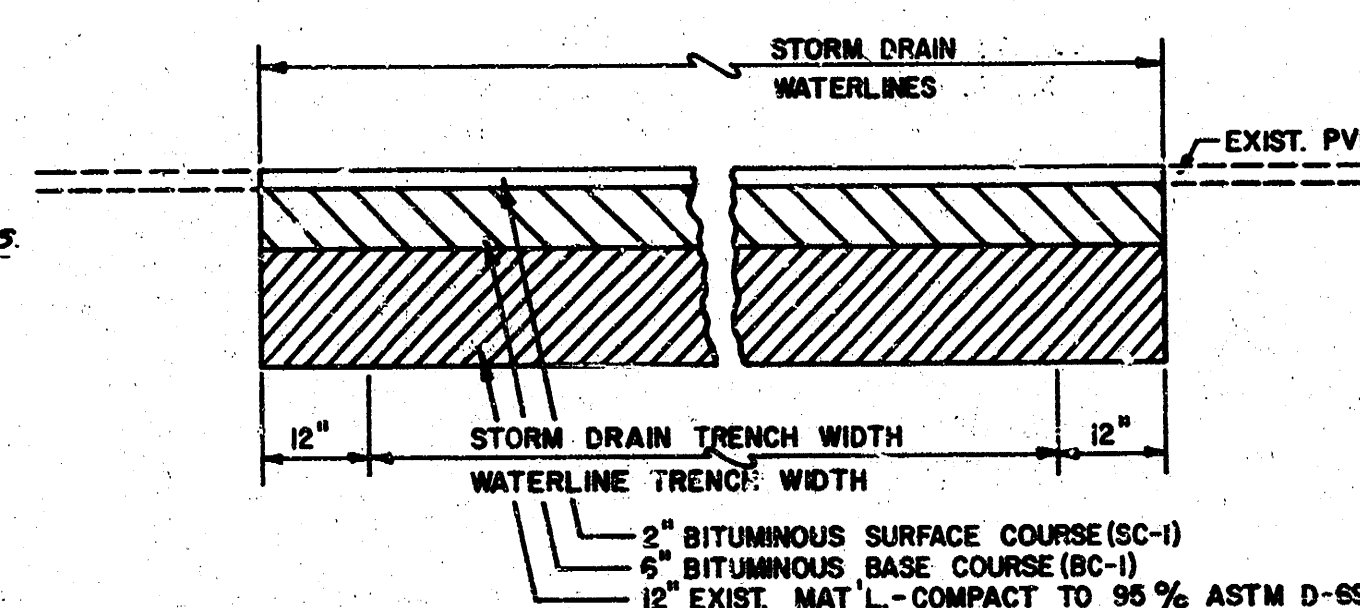
Construct Toe Wall on North
and West sides of Head Wall.



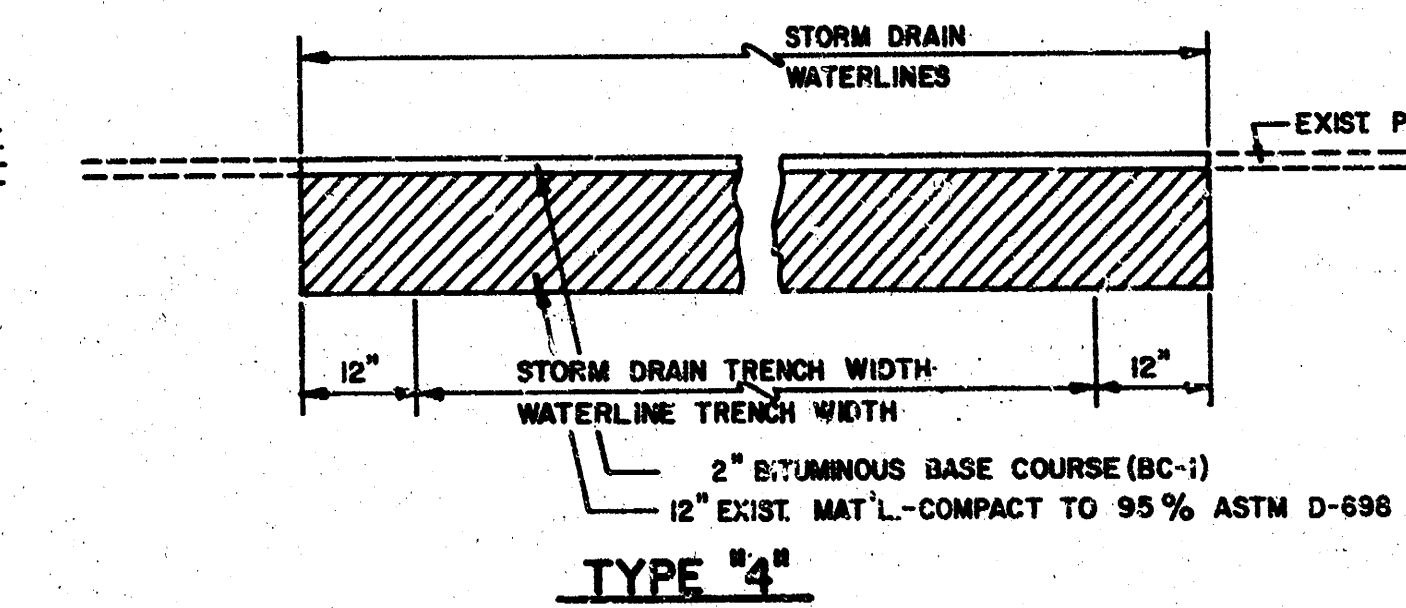
TYPE "1"



TYPE "2"



TYPE "3"



TYPE "4"

PAVEMENT REPLACEMENT DETAILS

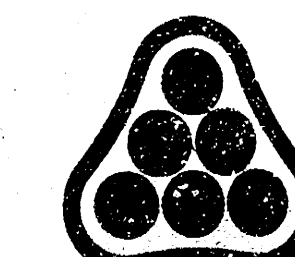
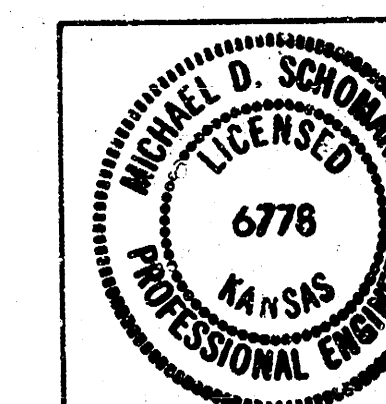
Pavement "Type" designations are for clarity only, and are not City of Wichita designations. All materials shall comply with City of Wichita standards and specifications.

All existing pavements shall be saw cut.

If width of Concrete Pavement Removal is $\geq 16'$ a longitudinal joint at the E is required. Transverse Joints shall be saw cut on 20 ctrs. Concrete Pavement replacement shall match all existing Joint Patterns.

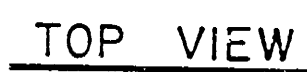
WHERE TYPE "1" "2" OR "3" PAVEMENT REPLACEMENT IS SPECIFIED, CURB AND GUTTER MAY BE REMOVED AS APPROVED BY THE ENGINEER AND SHALL BE REPLACED IN ACCORDANCE WITH CITY OF MONTANA STANDARDS AND SPECIFICATIONS. COST FOR THIS ITEM SHALL BE CONSIDERED SUBSIDIARY TO THE PAVEMENT REPLACED.

WHERE TYPE "4" PAVEMENT REPLACEMENT IS SPECIFIED, CURB AND GUTTER SHALL NOT BE REPLACED.

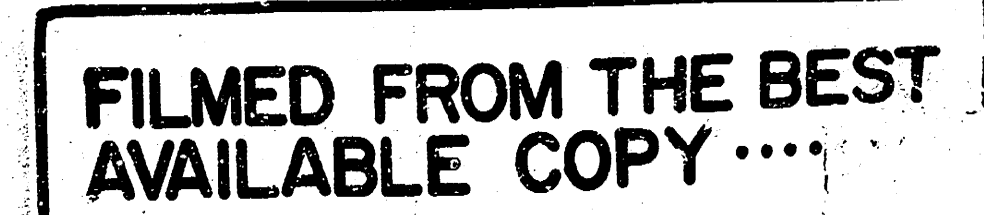
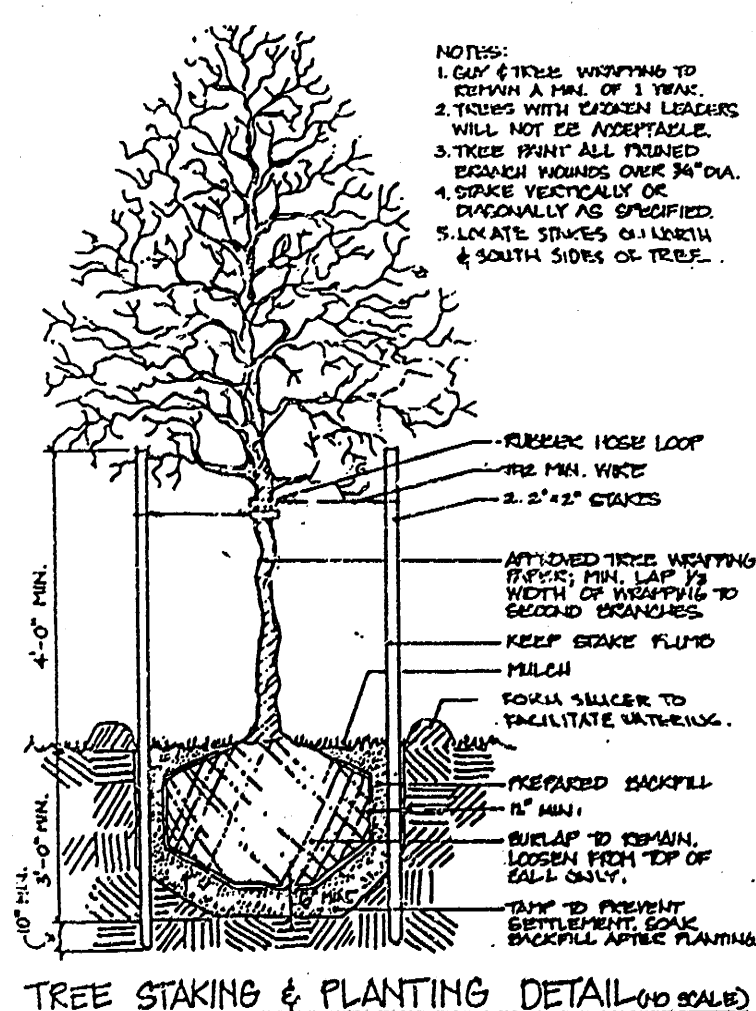


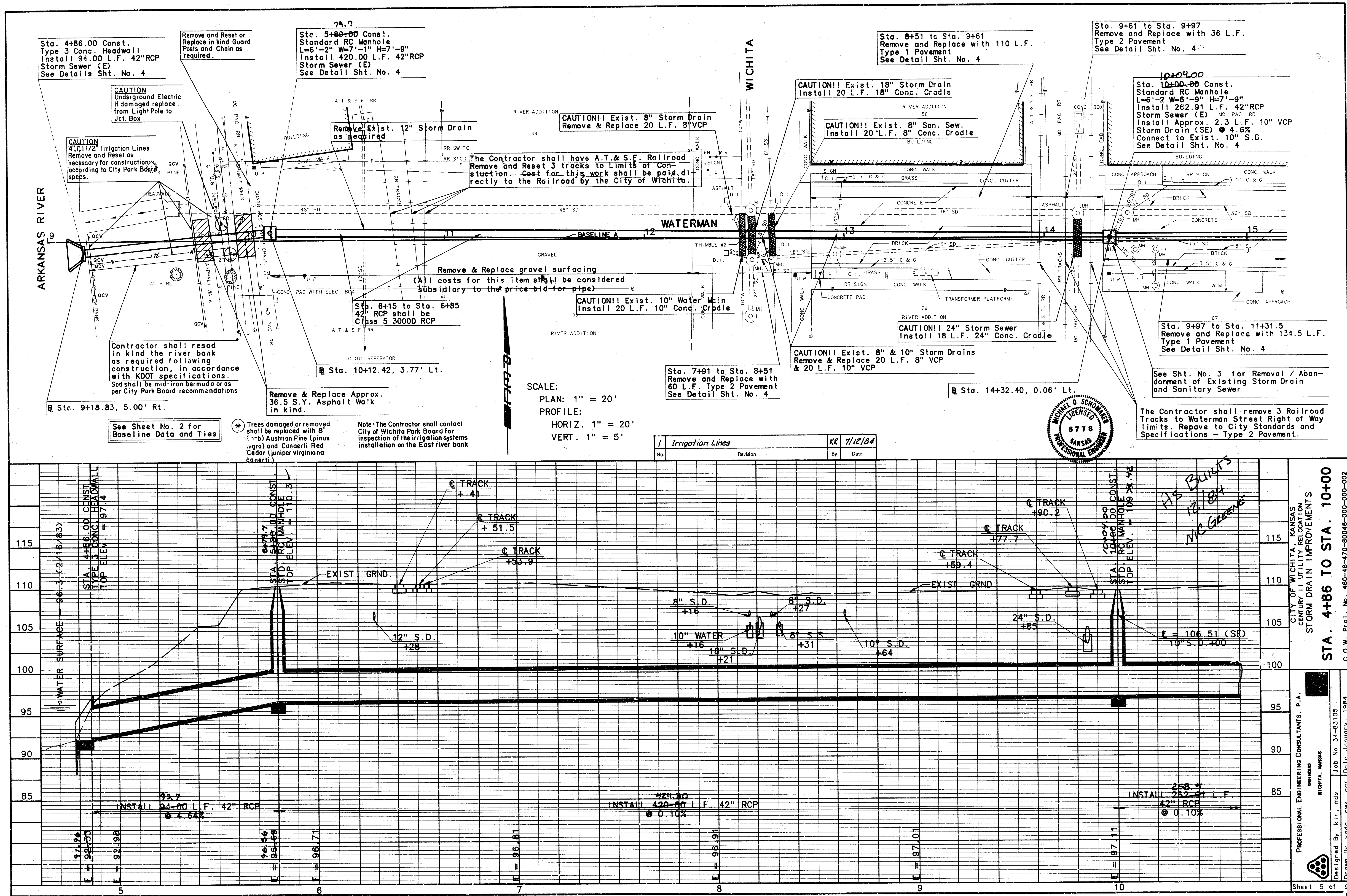
No.	Revision	By	Date
CITY OF WICHITA, KANSAS CENTURY II UTILITY RELOCATION MISCELLANEOUS DETAILS C.O.W. PROJECT NO. 460-48-470-80048-000-000-002 PROFESSIONAL ENGINEERING CONSULTANTS, P.A. ENGINEERS WICHITA, KANSAS			
Designed by <i>MDS, KLR</i>	Job No. <i>34-83105</i>	Sht. <i>4</i> of <i>2</i>	
Drawn by <i>REL</i>	Date <i>February, 1994</i>		

FILMED FROM THE BEST
AVAILABLE COPY

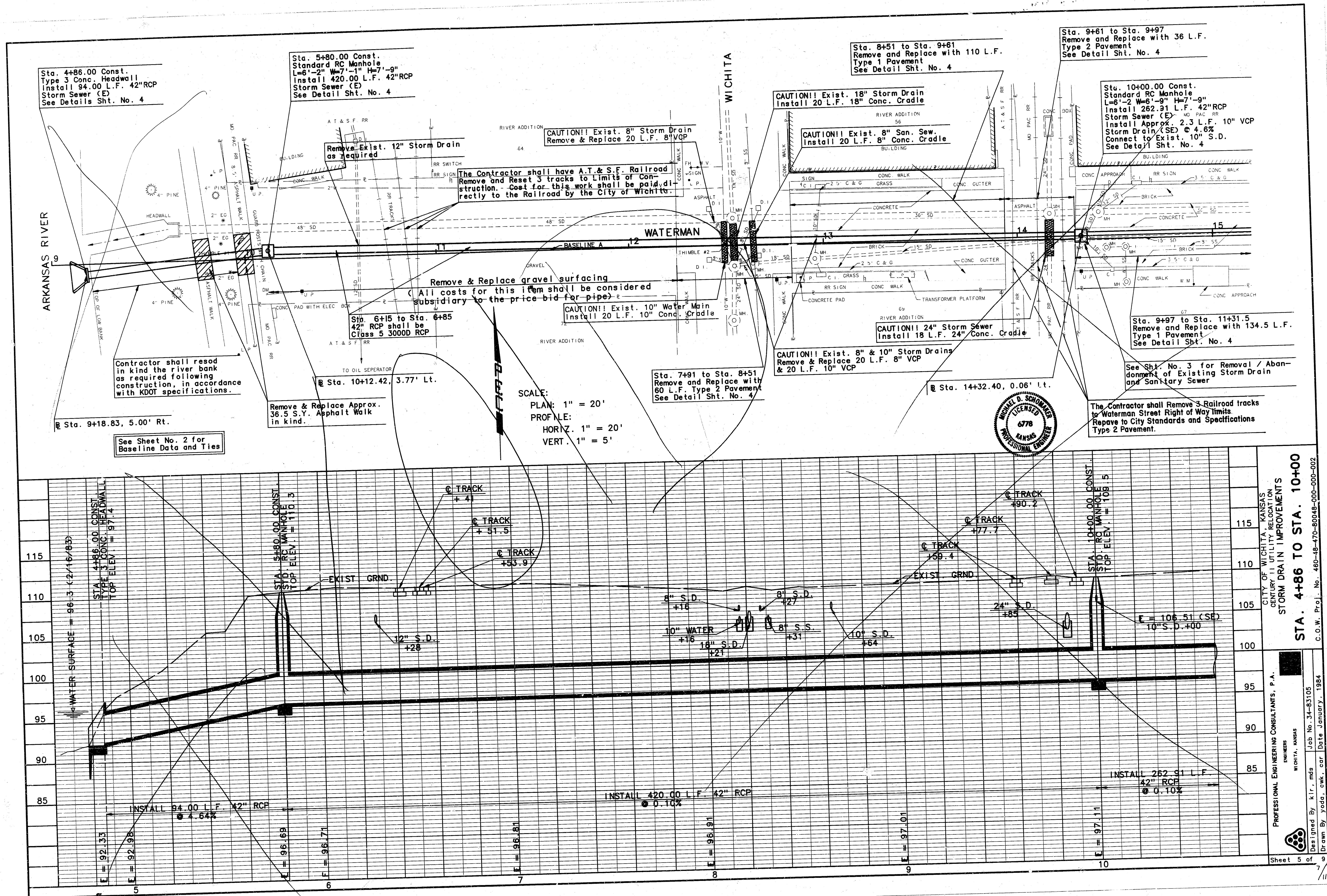


QUICK COUPLING VALVE DETAIL

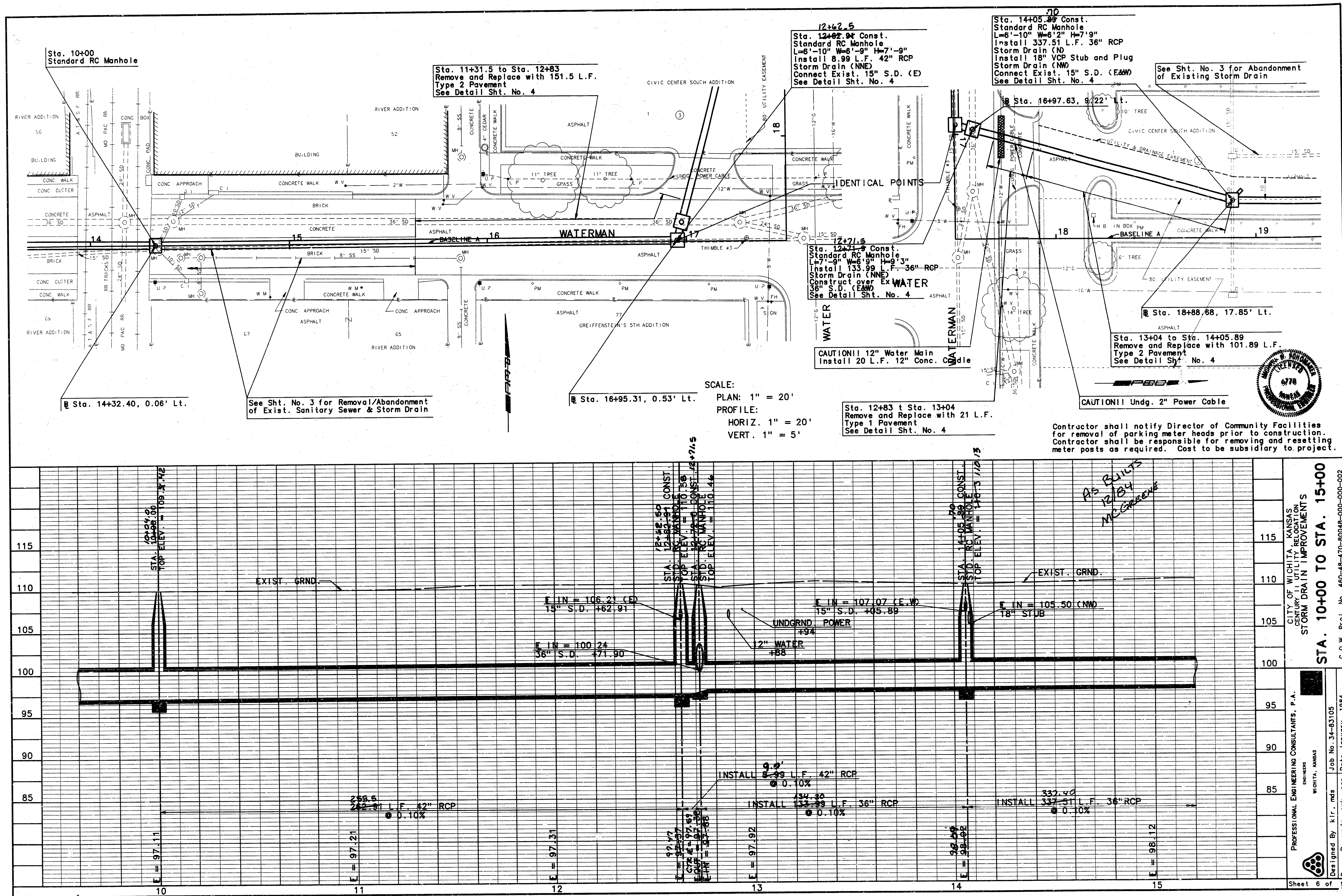




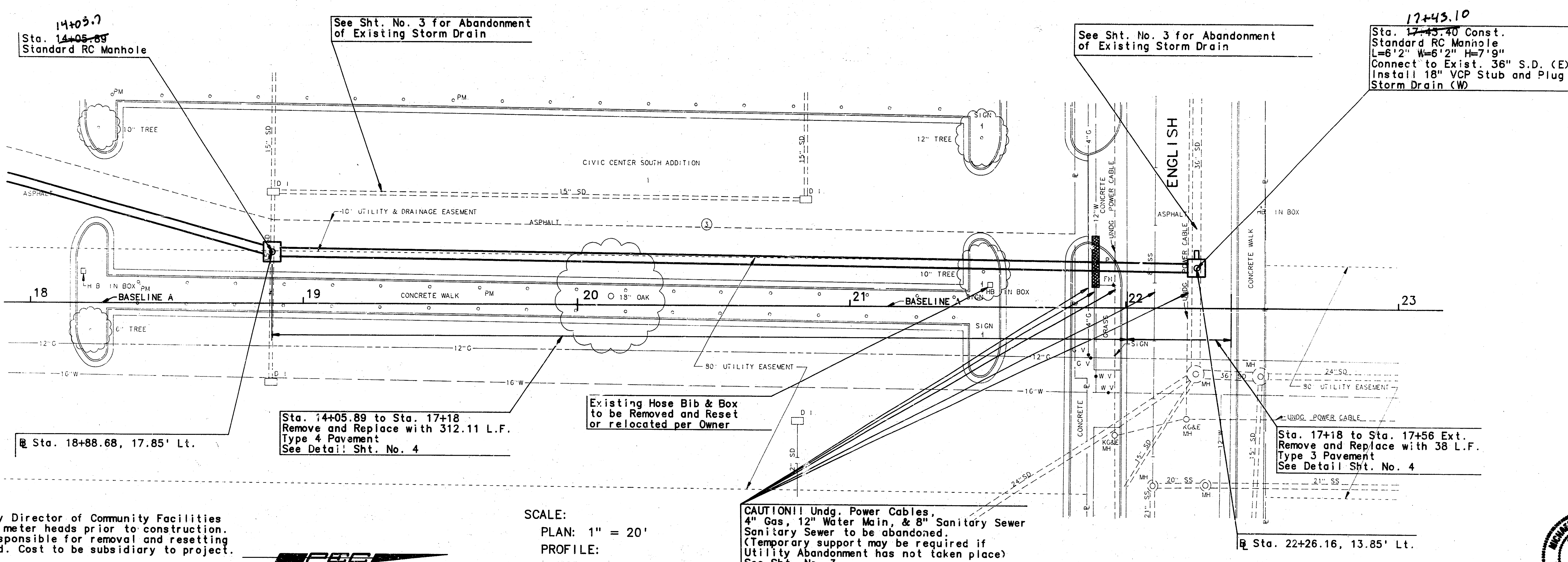
FILMED FROM THE BEST AVAILABLE COPY...



FILMED FROM THE BEST
AVAILABLE COPY....

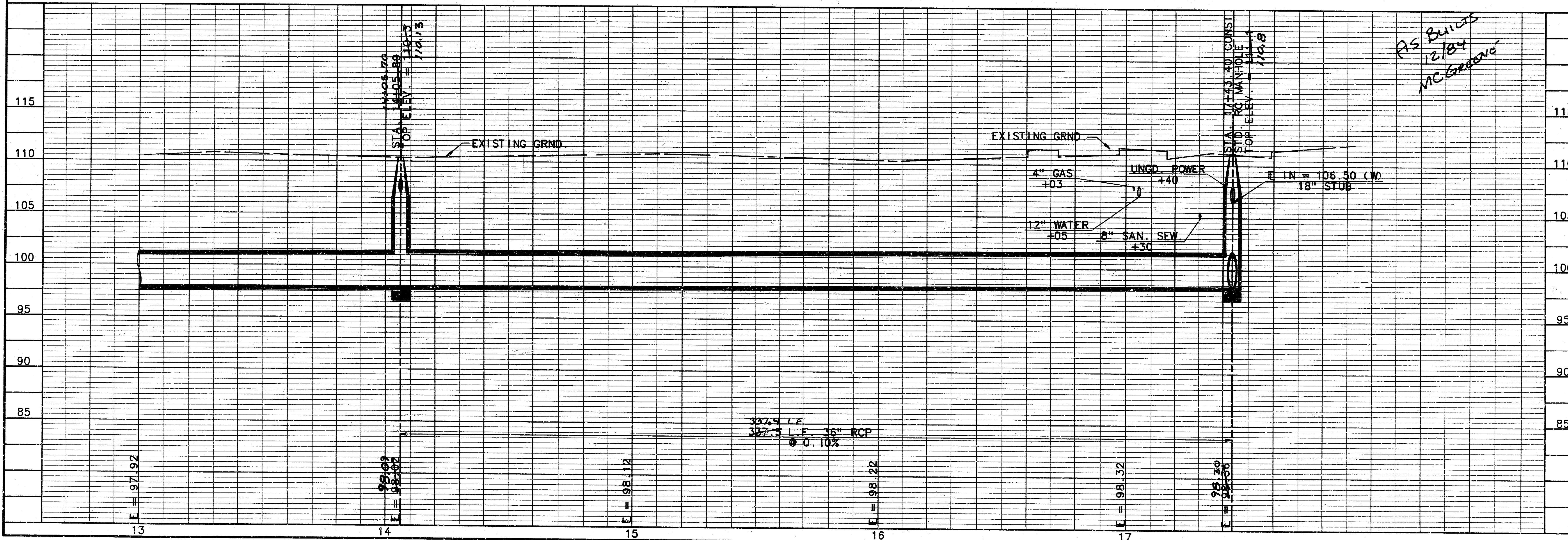


FILMED FROM THE BEST AVAILABLE COPY....



Contractor shall notify Director of Community Facilities for removal of parking meter heads prior to construction. Contractor shall be responsible for removal and resetting meter posts as required. Cost to be subsidiary to project.

SCALE:
PLAN: 1" = 20'
PROFILE:
HORIZ. 1" = 20'
VERT. 1" = 5'



AS BUILT
12/84
MCGraw-Hill

CITY OF WICHITA, KANSAS
CENTURY II UTILITY RELOCATION
STORM DRAIN IMPROVEMENTS
STA. 15+00 TO
STA. 17+43.40
C.O.W. Proj. No. 460-48-470-80048-000-000-002

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
WICHITA, KANSAS
ENGINEERS
Designed By: klr,mds,r/f Job No. 34-97-05
Drawn By: yoda, cwk Date: January, 1984

FILMED FROM THE BEST
AVAILABLE COPY....

There is to be no work started by the Contractor prior to notification and approval of the Engineering Division of the Wichita Water Department and the assignment and presence of a Department Inspector on the construction site. Should construction be started prior to these requirements being met, the contractor will be required to re-open any ditches that have been backfilled.

WL Sta. 0+00
1-10"x8" Tapping Sleeve
1-8" Tapping Valve
1-8" Valve Box
1-8" C.I.C.L. MJ 90° Bend B&S
2'-0" - 8" D.I.C.L. SJ Pipe
1-12"x8" C.I.C.L. MJ Tee
1-12" C.I.M. Plug
See Detail Sht. No. 9

CAUTION
18" Storm Drain
Construct 10 LF
18" Concrete Cradle

Sta. 1+44 to Sta. 1+81
Remove and replace with 37 L.F.
Type 2 Pavement
See Detail Sht. No. 4

CAUTION
8" Sanitary Sewer
Construct 20 LF
Concrete Encasement
See Specs

Sta. 12+69, 21.3' Lt.

CAUTION
10" Storm Drain
Remove and Replace
10 L.F. 10" VCP

See Storm Drain Plan Sheet
for Railroad Track removal

CAUTION
10" & 12" Storm Drain
Remove and Replace
10 L.F. 10" VCP
10 L.F. 12" VCP

WL Sta. 3+29.02
Remove Valve (No. 12672) & Cap @
Blow-Off and connect to Proposed
12" AC Water Main

The Tapping Sleeve, Tapping Valve,
and Valve Box furnished and set by
the Wichita Water Dept. and re-
imbursed by the contractor in the
amount of \$1150.00

Sta. 12+49, 21.5' Lt.

Sta. 0+06 to Sta. 0+34
Remove and replace with 40 L.F.
Type 2 Pavement
See Detail Sht. No. 4

Sta. 0+34 to Sta. 1+44
Remove and replace with 110 L.F.
Type 1 Pavement
See Detail Sht. No. 4

Sta. 3+15 to Sta. 3+35 Ext.
Remove and replace with 20 L.F.
Type 2 Pavement
See Detail Sht. No. 4

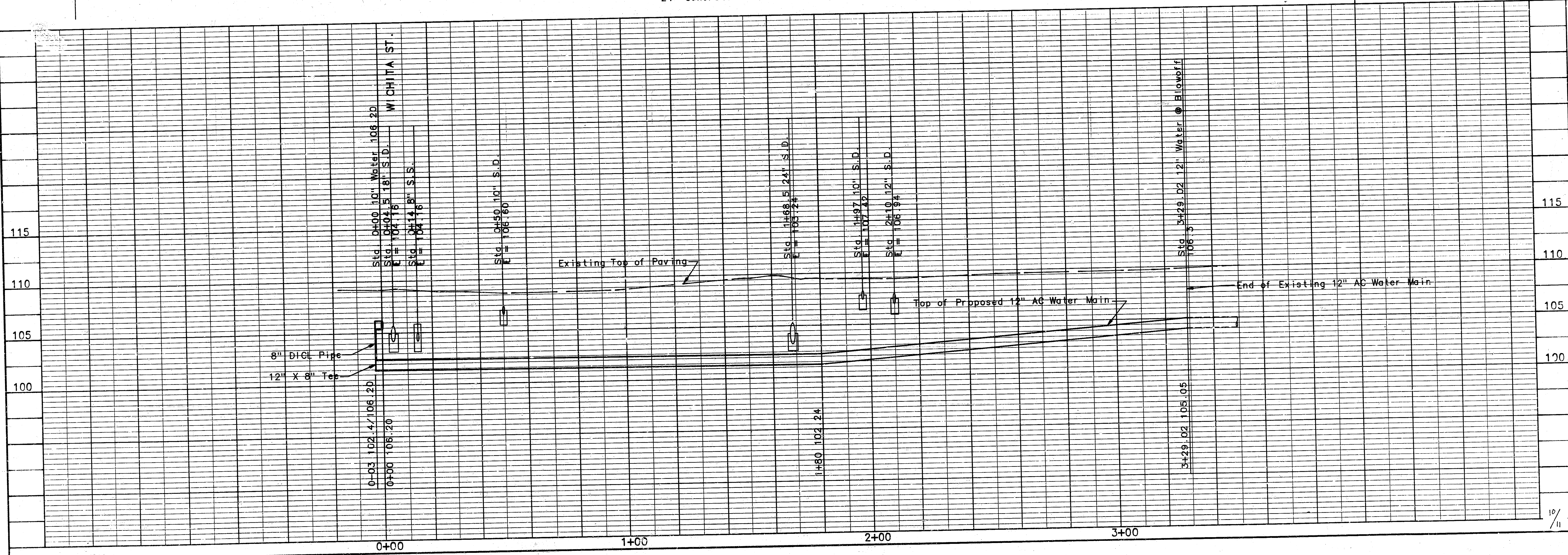
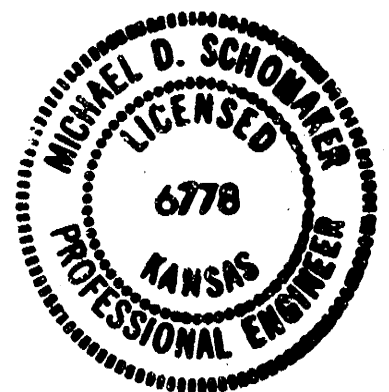
Sta. 1+81 to Sta. 3+15
Remove and replace with 134 L.F.
Type 1 Pavement
See Detail Sht. No. 4

CAUTION
24" Storm Drain
Construct 10 LF
24" Concrete Cradle

SCALE:
PLAN: 1" = 20'
PROFILE:
HORIZ. 1" = 20'
VERT. 1" = 5'

All water mains and appurtenances
shall be installed in accordance with
STANDARD SPECIFICATION FOR WATER MAIN
INSTALLATION NUMBER 14533.

Unless noted otherwise, elevations
shown are top of pipe.



CITY OF WICHITA, KANSAS
CENTURY II UTILITY RELOCATION
WATER LINE IMPROVEMENTS
C.O.W. Proj. No. 460-48-470-80048-000-000-002
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS
Designed By klr,mds,ts
Drawn By yoda,cwk
Job No. 34-83105
Date January, 1984
Sheet 8 of 9

FILMED FROM THE BEST
AVAILABLE COPY....

