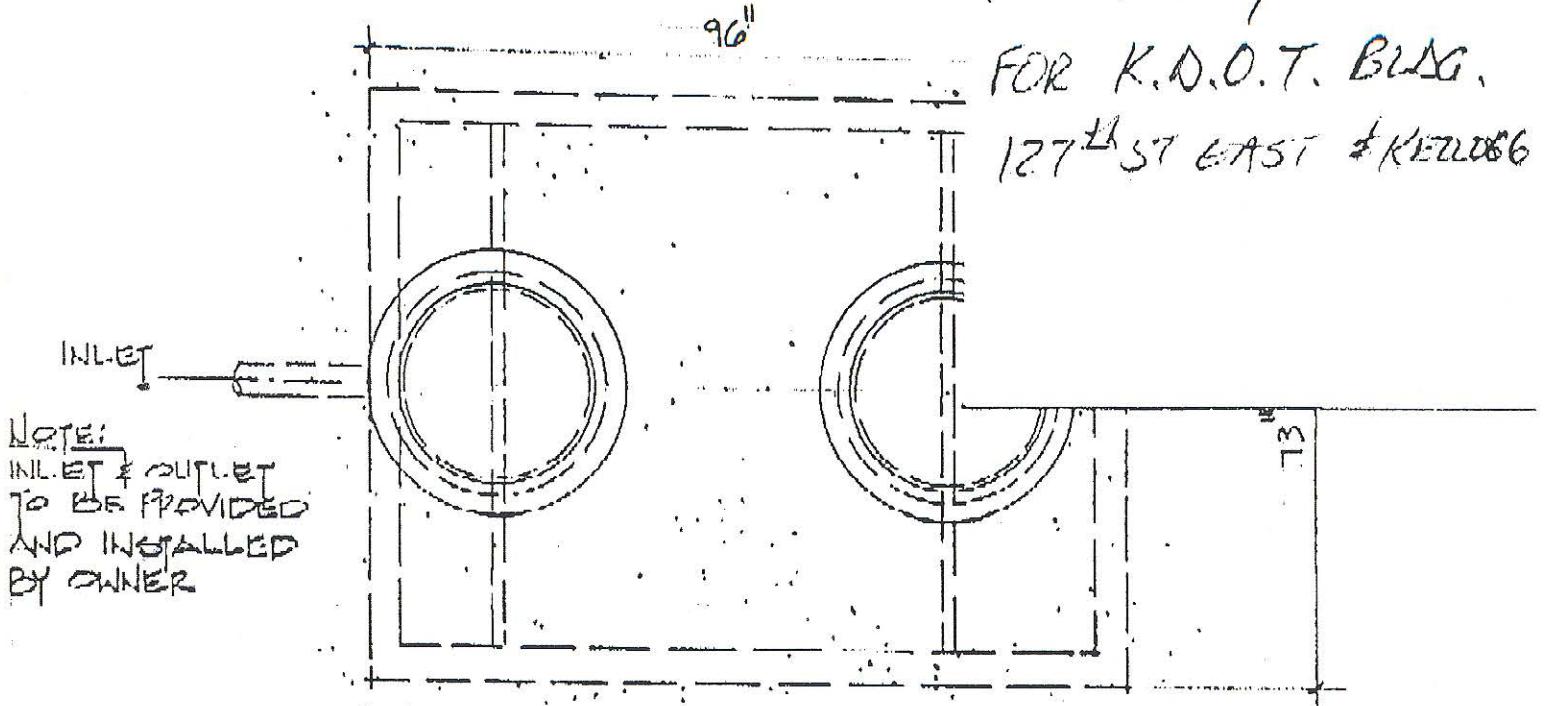


CLUTTER CO.

5411 North 119th West • Maize, Kan.

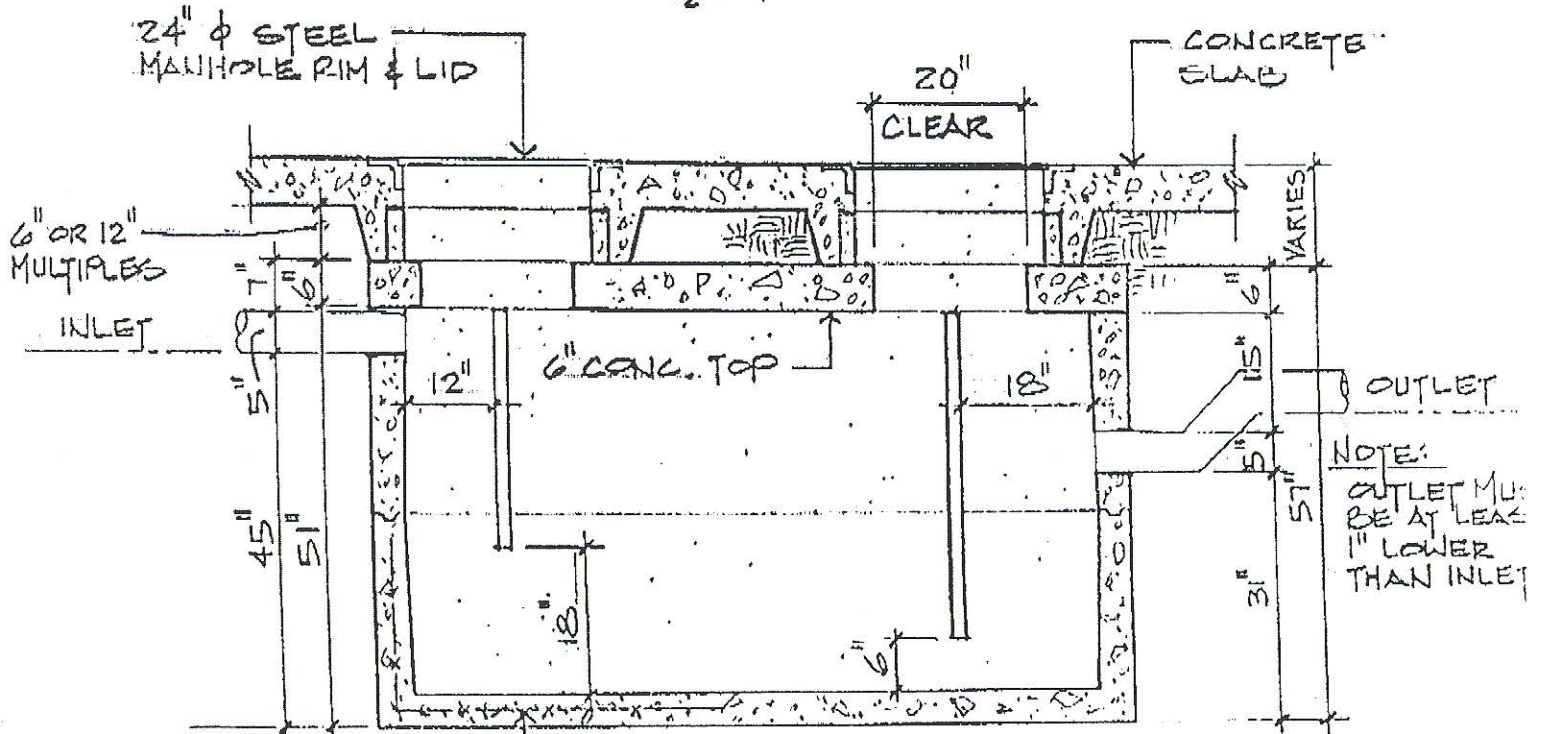
Shop
316 - 722-2721

ATTN: BARRY OSBORNE
1000 GAL. MUD/OIL TRAP
FOR K.D.O.T. BLDG.
127th ST EAST #KEL086



PLAN

1/2" = 1'-0"



SECTION

1/2" = 1'-0"

1000 GAL. MUD & OIL TRAP	APPROVED JAN. 1982	CITY OF WICHITA
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Sanitary Sewer Improvements KDOT Wichita-East Maintenance Shop

Sanitary Sewer Improvements Entire System Price L.S.

The price submitted by the contractor for "Sanitary Sewer Improvement Entire System" which price shall be full compensation for furnishing and placing all materials for all labor, excavation, backfilling, boring, manholes, permit, connection fee, pipes, equipment, tools and incidentals necessary to complete the work.

The quantities listed are for "information only".

6" PVC Pipe schedule 40	1726	L.F.
Double cleaned out	1	each
Precast standard manhole type "A"	1	each
Precast shallow manhole type "D"	2	each
Connection to existing manhole	1	each
Trenching and backfilling	1176	L.F.
Boring 6" pipe schedule 40	550	L.F.
Permit and connection fee	L.S.	L.S.

KDOT
BUREAU OF FISCAL
SERVICES
'97 JUN 17 AM 9 58

General Notes:

1. All elevations shown are USGS Datum.
2. At least 72 hours prior to beginning any excavation (excluding weekends and holidays), the Contractor shall contact the Kansas-One-Call system, a utility location service, at 687-2470 to request the following utility companies to locate any existing lines within the project area: Multimedia Cable TV, Wichita Water, Southwestern Bell Telephone, KG & E Gas and KG & E Electric.
3. The buried utilities as shown on the plans are approximate locations only. It should be noted that other buried lines and cables may exist which are not shown on these plans. The Contractor shall exercise extreme caution during trenching operations to avoid damaging these lines. Any lines damaged shall be replaced or repaired immediately as directed by the Engineer at the Contractor's expense.
4. The Contractor shall contact the Sedgwick County Eastern Sewer District (733-0202) at least 24 hours before connecting new sewer pipe to the existing sewer system. The Contractor shall keep any construction debris from entering the existing sanitary sewer during construction. A mechanical plug shall be installed and maintained to isolate the existing sewer from the new construction until the new construction is cleaned, televised and has been accepted to prevent water or debris from entering the existing sewer. The water used for cleaning shall not be added to the flow of the existing sewer. The cleaning or otherwise accumulated water shall be pumped or otherwise removed prior to televising.
5. All manholes stubs shall be Schedule 40.
6. All pipe joints shall be laid and pushed "full home", with the beveled end of the spigot making full contact with the chamfered area at the throat of the bell or socket, with no separation between them. If separation is determined, the pipe shall be excavated and relaid according to specifications at the Contractor's expense.
7. Excess excavation material and other debris shall be wasted on sites to be provided by the Contractor as approved by the Engineer at no additional cost to the Owner.
8. Underground utility service lines and overhead utility pole lines are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor or unless the plans specifically identify a utility to be adjusted by its owner during construction. Existing utilities and their location, as shown on the plans, represent the best information obtainable for design. The Contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.
9. Trees and shrubs in public right-of-way which are in direct conflict with proposed new construction shall be removed by the Contractor with the Engineer's approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.
10. The Contractor shall be responsible for maintaining continuous flow of sewage through construction. Contractor's proposed method for maintaining sewage flow shall be approved by the County. Cost of maintaining flow of sewage through construction will not be paid for directly and this cost shall be considered as subsidiary to the other pay items of work.

11. The Contractor shall restore all ditches, swales, road shoulders, and banks to their original slopes and grades except where new grades are established by the Easement Grading plan. Where existing entrance pipe, drainage pipe, signs, fences, etc., conflict with the proposed work herein, they shall be removed and replaced or reset. The replacement of all the aforementioned items, including seeding, fertilizer and mulching shall be considered subsidiary to the project.
12. Easements and right-of-way provided by the owner for the project are shown in the plans. The Contractor shall be responsible for the acquisition of any additional temporary easements or right-of-way that he desires to use in completing the work.
13. Positive drainage shall be provided for all areas on or near spoil areas. Natural drainage ways shall be maintained.
14. The Contractor shall provide positive drainage away from all manhole covers.
15. The Contractor shall give all property owners and/or tenants of developed property abutting the construction of this project a minimum of 10 days advance notice prior to start of construction in the vicinity of the affected property.
16. All trench backfill shall be either type I or type III unless noted otherwise.
17. Top elevations for manholes are approximate only.
Top elevations for manholes shall be set as follows:
 - A. Outside of traveled ways, 0.4 feet above finished grade.
 - B. Paved traveled ways, flush with finish grade.
 - C. Unpaved traveled ways, as directed by the Engineer.
18. The Contractor shall also contact the following at least 72 hours prior to beginning construction to advise them of the intended work and of his proposed schedule:
Sedgwick County Bureau of Public Services
1250 S. Seneca
Wichita, KS 67213
Mr. Jim Weber
(316) 383-7901
19. It shall be the responsibility of the Contractor to satisfy himself as to the existence of unusual subsurface conditions, and to allow for such conditions in his bid.
20. Contractor shall follow Best Management Practice as described in the project Storm Water Pollution Prevention Plan (SWPPP), a copy of which may be obtained from the engineer.
21. All methods of construction and construction materials shall be in accordance with the Sedgwick County Standard Specifications.

MANHOLE FRAME & COVER
TO BE SELF-SEALING
DEETER NO. 1261C OR
EQUAL

MANHOL
TO BE
DEETER
EQUAL

KEYED ADJUSTMENT RINGS
8" MIN. - 18" MAX.

CONCENTRIC
CONE SECTION
36" TO 48"

26"

48" (MIN.)

5"
(MIN.)

5"
(MIN.)

VARIABLES

CRUSHED ROCK ENCASEMENT
(3' - 0" MINIMUM, SEE
NOTES)

4"
(MIN.)

SEE NOTE 2

6"
MIN.

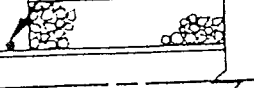
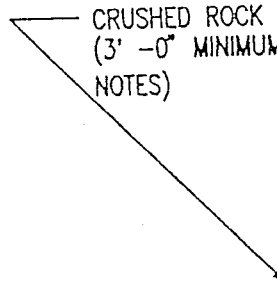
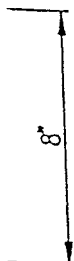
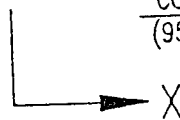
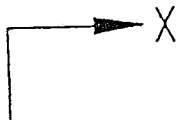
8"

COMPACTED CRUSHED ROCK
(95% ASTM D-698)

UNDISTURBED SOIL
OR APPROVED
BACKFILL MATERIAL
COMPACTED TO
95% ASTM D-698

PRECAST
STANDARD MANHOLE
TYPE "A"

CRU:
(3'
NOTE



GS

MANHOLE FRAME & COVER
TO BE SELF-SEALING
DEETER NO. 1261C OR
EQUAL

KEYED ADJUSTMENT RINGS
8" MIN. - 18" MAX.

CONCENTRIC
CONE SECTION
36" TO 48"

NOTE:
TOP OF BOTTOM PIPE
ON OUTSIDE DROP SHALL
ALWAYS BE SET 0.1 FEET
HIGHER THAN TOP OF
PIPE CARRYING FLOW OUT
OF THE MANHOLE.

CRUSHED ROCK ENCASEMENT
(3' - 0" MINIMUM, SEE
NOTES)

5"
(MIN.)

48" (MIN.)

5"
(MIN.)

VARIES

6" (MIN.)

4"
(MIN.)

8"

6"

COMPACTED CRUSHED ROCK
(95% ASTM D-698)

UNDISTURBED SOIL
OR APPROVED
BACKFILL MATERIAL
COMPACTED TO
95% ASTM D-698

PRECAST
OUTSIDE DROP MANHOLE
TYPE "C"

1. IF, IN THE OP SUBGRADE AP OVEREXCAVATE AND CRUSHED TO THE REQUI
2. "ALOK" OR AF GASKETS WHC REQUIREMENTS CONNECT THE
3. THE MANHOLE BUTYL-RUBBE SEAL BETWEEN MANHOLE FRA
4. GASKETED PIPE SUPPLIER G ACCEPTED.
5. ALL MANHOLE
6. TOP OF MAN INCHES BELO INSURE SUFF

MANHOLE FRAME & COVER
TO BE SELF-SEALING
DEETER NO. 1261C OR
EQUAL

REINFORCED CONCRETE
CONCENTRIC FLAT TOP
CONSTRUCTED IN
CONFORMANCE WITH
ASTM C-478

CRUSHED ROCK ENCASEMENT
(3' - 0" MINIMUM, SEE
NOTES)

KEYED ADJUSTMENT RINGS
4" MIN. - 18" MAX.

5"
(MIN.)
4"
(MIN.)

26"
48" (MIN.)

5"
(MIN.)

3' - 6" MIN. 5' - 0" MAX.

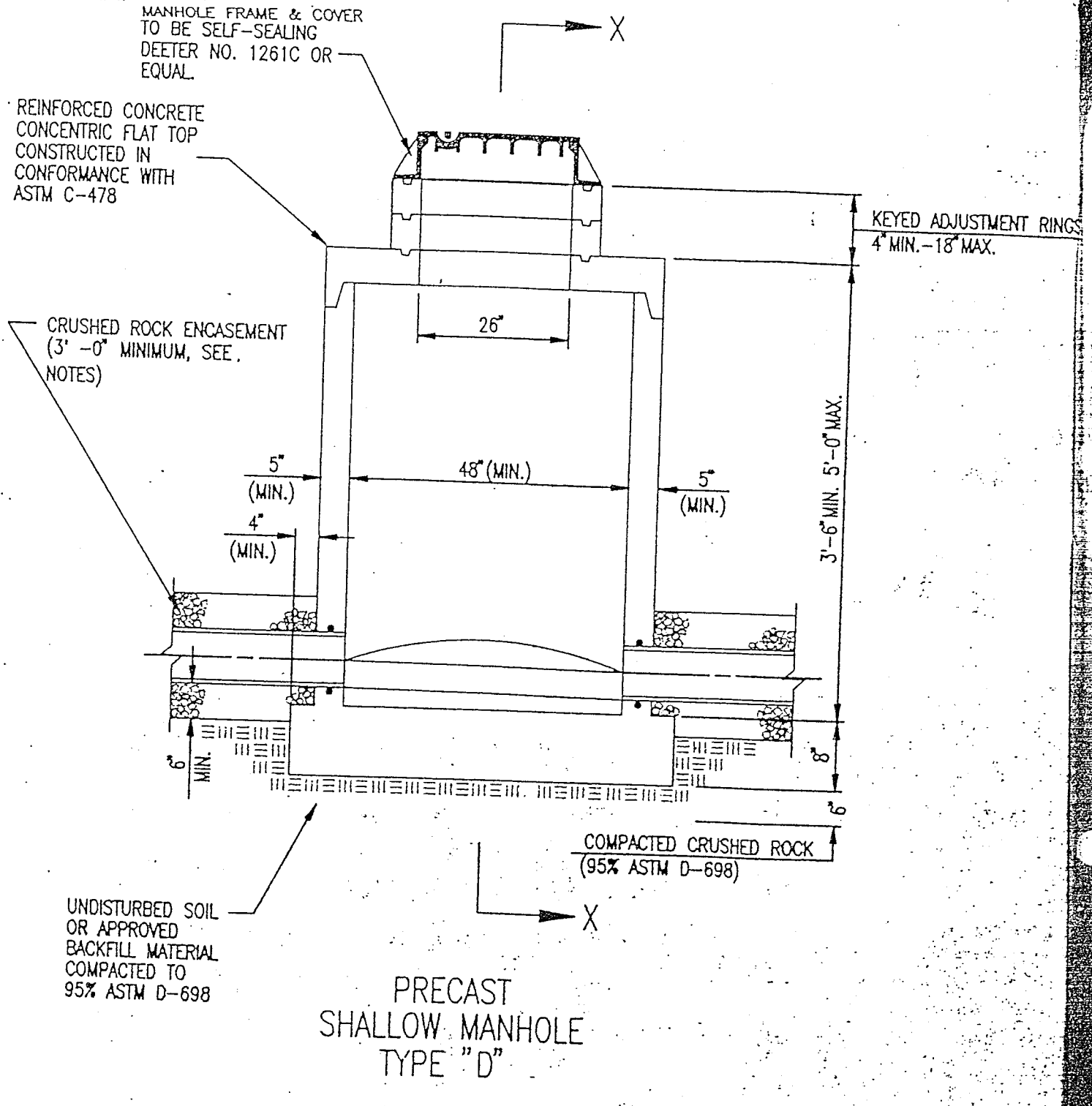
6"
MIN.

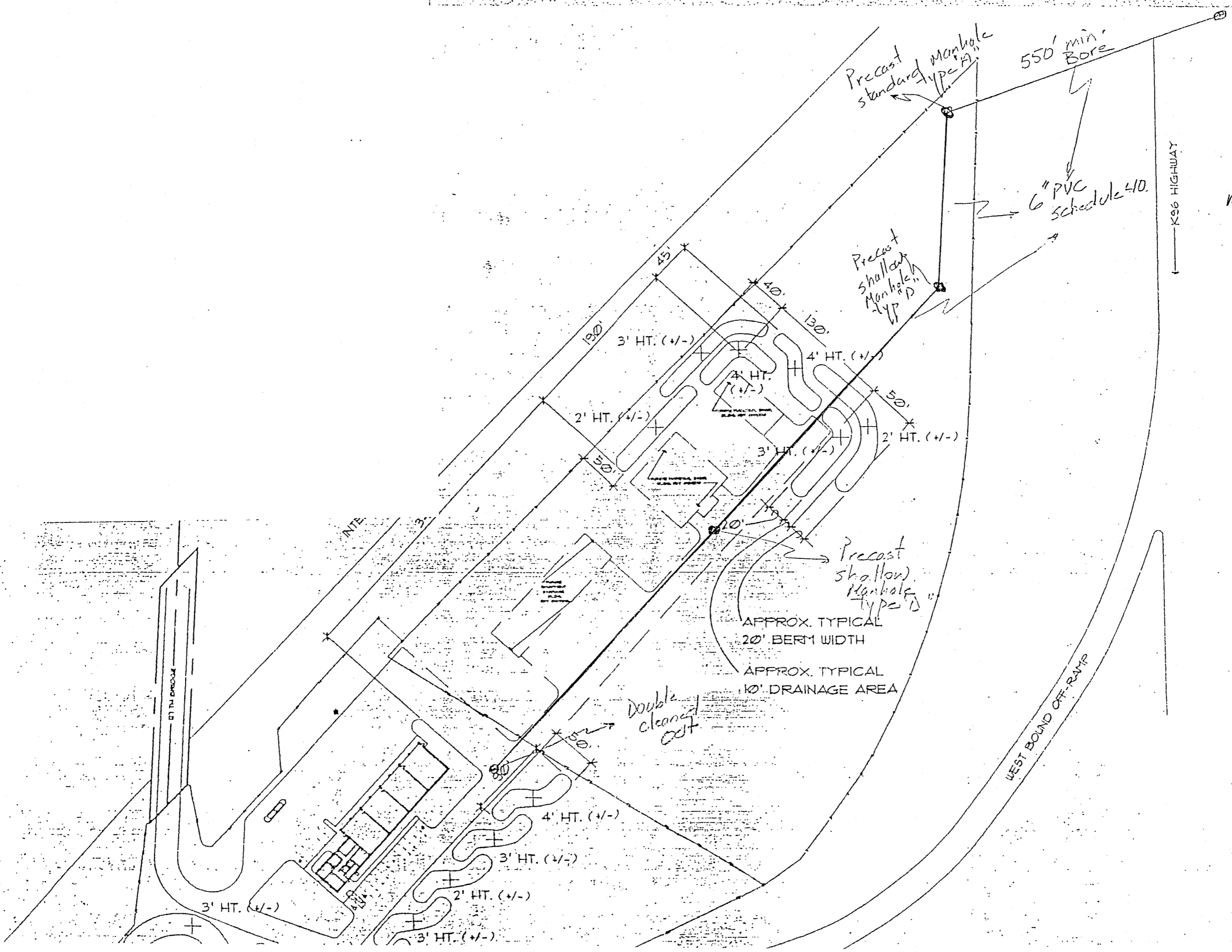
8"

COMPACTED CRUSHED ROCK
(95% ASTM D-698)

UNDISTURBED SOIL
OR APPROVED
BACKFILL MATERIAL
COMPACTED TO
95% ASTM D-698

PRECAST SHALLOW MANHOLE TYPE "D"





Precast standard Manhole Type A

550' min. Bore

6" PVC Schedule 40

Precast shallow Manhole Type D

Precast shallow Manhole Type D

APPROX. TYPICAL 20' BERM WIDTH
APPROX. TYPICAL 10' DRAINAGE AREA

Double cleaned out

Existing Manhole East of K-96
(Connect to existing as per the county specifications M# T3A-33)

K96 HIGHWAY

WEST BOUND OFF-RAMP

PROPOSED T.L.S.

NTE

K.D.O.T. sub-area shop

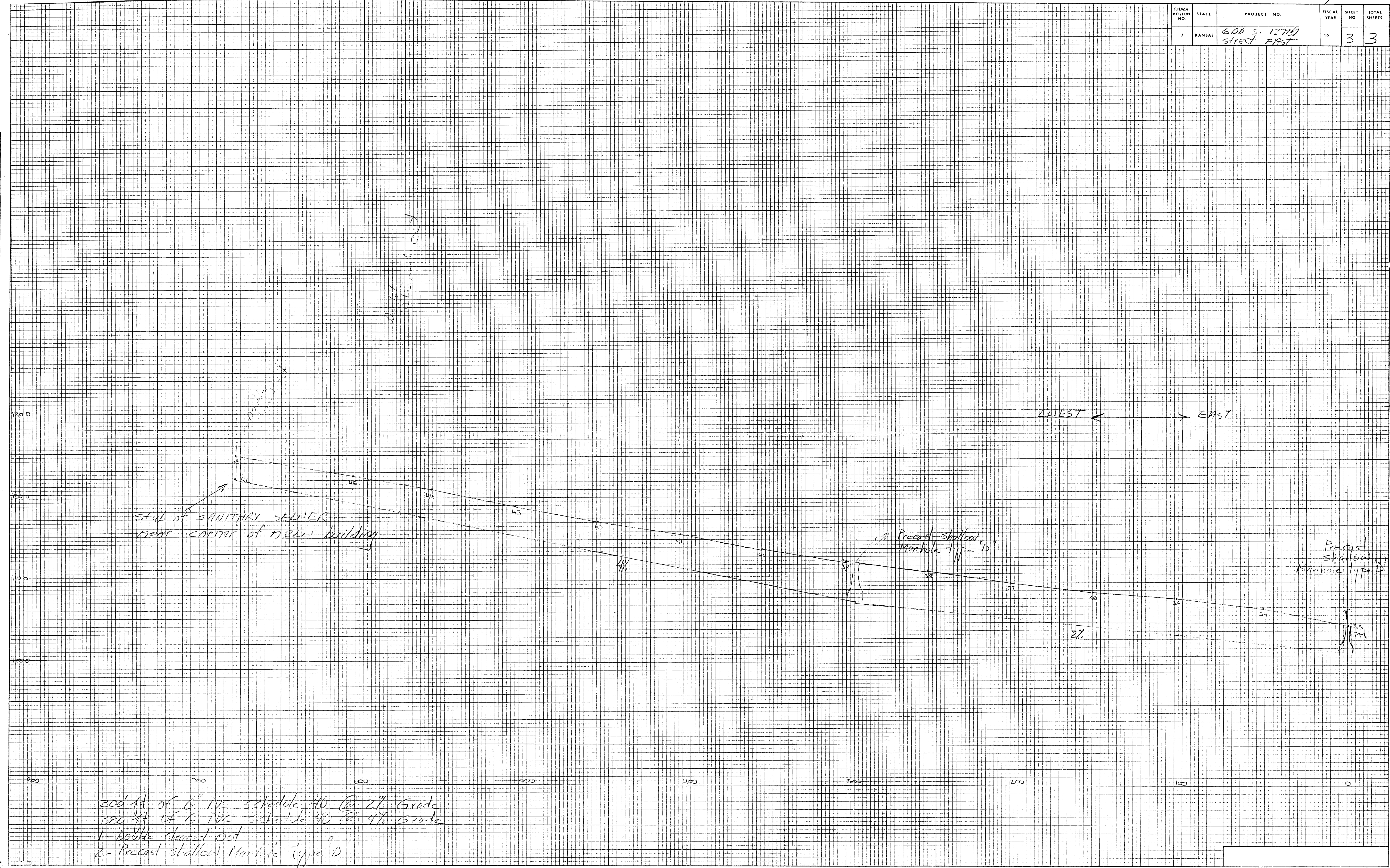
FHWA REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	600 S. 127th Street EAST	19	3	3

FINAL SURVEY	BY	DATE
SURVEYED		
FORM DATE		
AREAS CHECKED		
NO.		

4MC-079
660-7MB

ORIGINAL SURVEY	BY	DATE
SURVEYED	SPR ZEPEDA	2-25-77
FORM DATE	SPR ZEPEDA	2-25-77
AREAS CHECKED		
NO.		

4MC-079



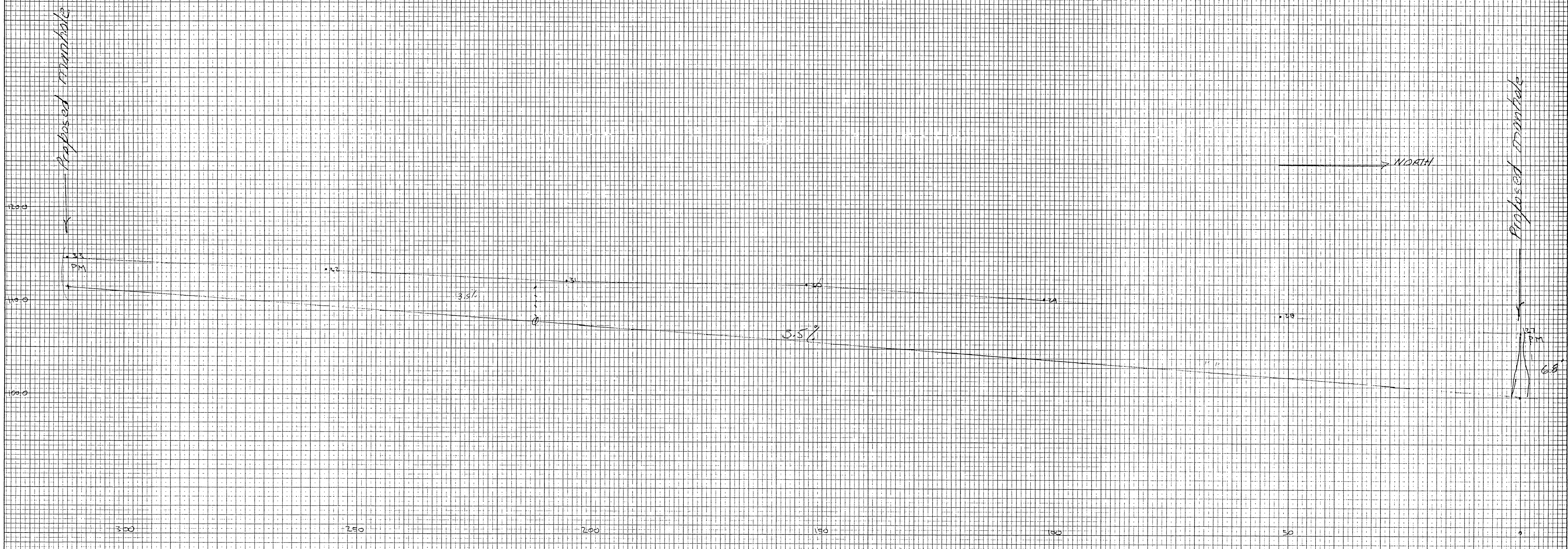
300' ft of 6" PVC schedule 40 @ 2 1/2' Grade
 380' ft of 6" PVC schedule 40 @ 4 1/2' Grade
 1- Double clean out
 2- Precast shallow Manhole type "D"

K.D.D.T. sub-A103 shop

FHWA REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	600 S. 127th Street East	19	2	3

FINAL SURVEY NOTE BOOK NO.	BY	DATE

ORIGINAL SURVEY NOTE BOOK NO.	BY	DATE
	RAY LITTLE	5-22-57

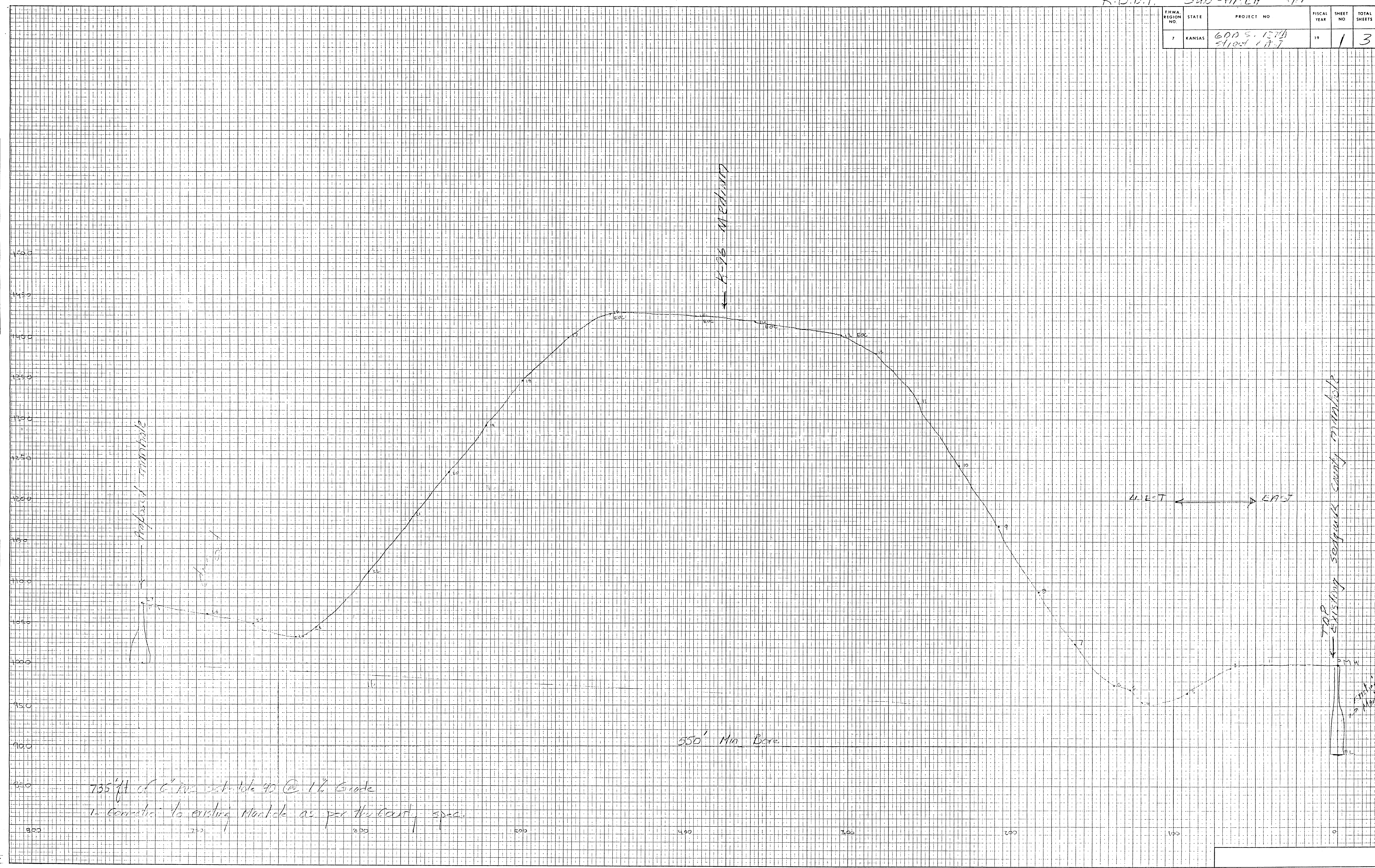


30' ft of G.P.V.C. schedule 40 @ 3.5% Grade
 1- Precast standard Manhole type A

FHWA REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	600 S. 15TH Street 11-7	19	1	3

FINAL SURVEY NO.	BY	DATE

ORIGINAL SURVEY NO.	BY	DATE



735'ft of 6" pipe schedule 40 @ 1% Grade
 is consistent to existing Manhole as per the County spec.