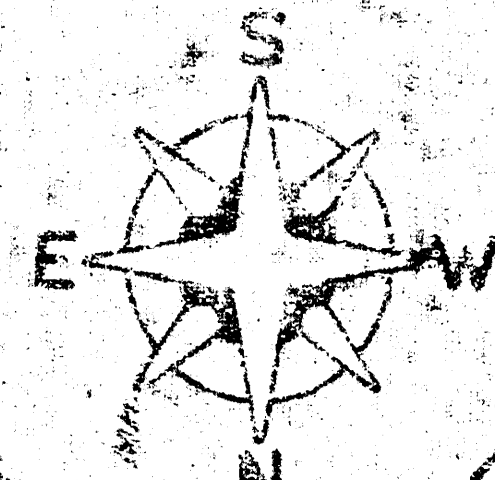


Sta. 0+00, Line 8  
Const. Std. Type 'B'  
M.H. begin encase-  
ment, North



Rails to be Removed  
by "Others"

Rail Constr. by "Others"

4+47<sup>4</sup>  
Sta. 4+48 Const. Std. Type  
'B' M.H. - 6° North + 6° East  
of the Proposed E of new  
Pavement - Rim Elev. = 114.85

Remove M.H.  
Plug Pipes

Remove M.H.  
Plug Pipes

Remove OH

Proposed location  
of 10" Water Line

342" Steel casing

Top of Rails  
Proposed Elev. 114.11

2+31<sup>5</sup>  
Sta. 2+32 Const. Std. Type 'B'  
M.H. 4° 30' of the North  
Prop. Line. Rim Elev. = 113.70

4+14<sup>2</sup>  
Sta. 4+15 Const. Std. Type  
'B' M.H. 6° East of E  
of Waco Ave. Rim Elev.  
= 114.60

0+15' and reconstruct Line 8  
Connect 21" Pipe existing  
At H. station of existing Pipe

Remove existing M.H.  
Plug Pipe Fast

See Sheet No. 9 For General Notes

See Sheet No. 9 For General Notes

**TYPICAL SECTION**  
Tunnel Under No. 100 Rail Road

- Note: ① 10" A.B.S. Composite Pipe to be placed under Railroad tracks by jacking & shoring pipe into place.
- ② Ramped pipe to be encased in 21" min steel pipe. Good used steel pipe may be used when approved by the Field Engineer.
- ③ Plug Ends of Tunnel w/ same concrete mix used in Munnie Case.

21" min. dia. Steel Casing, 3.313" min thickness

Undisturbed Earth

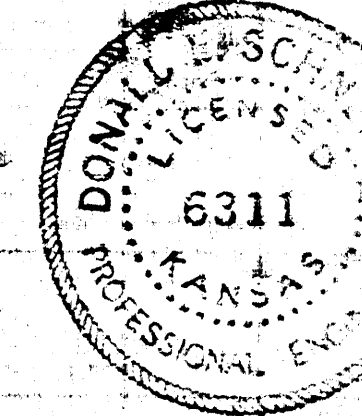
Shoring to be pumped Full of Sand

Shoring A.B.S. Composite Pipe to Grouted Wood Shoring

**CAUTION**  
**UNDERGROUND UTILITIES**  
Please check with K & E or  
Southwestern Bell  
Telephone Co. for Location

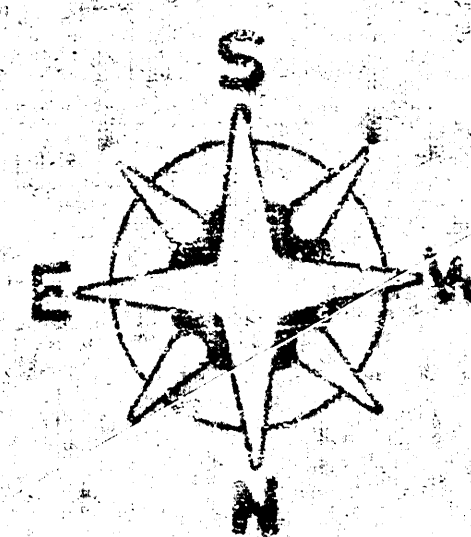
Sta. 0+00 Existing M.H.  
begin 10" A.B.S. Comp.  
Pipe West @ 0.10% Gr.

Reconstruct a Sewer to Supplement a Portion  
of District 7, Sanitary Sewer No. 80  
on Second St. from Greenwood to Main  
**City of Wichita, Kansas**





D.M. 112.68 Top E. of Riverview St. East. 73' North of Cr. 3rd St.  
 B.M. 112.79 3' 3" from North S.E. 3rd St. E. of City W. & Water St.  
 N.W. Cor. 3rd & 2nd St.



Scale: 1" = 30'

6+54.6

Sta. 6+55 Constr. 3rd Type  
 18" M.H. over existing line  
 South. Rim Elev. = 113.06

Removed & replaced  
 45 L.F. 8" pipe  
 south of M.H.

8+09.3

Sta. 8+09 Constr. 3rd  
 Type 18" M.H. Rim Elev.  
 111.40

Remove O.H.

SECOND ST.

Remove O.H.

Abandon 18" H.  
 Plug Pipes

Remove O.H.

Abandon M.H.  
 and Plug Pipes

Remove M.H. Plug Pipes

Plug Pipe

6+87.0

Sta. 6+88 Constr.  
 3rd Type 18" M.H. over  
 existing line North.

Remove M.H. & 3' 3" S.  
 to Proposed Manhole

Caution - Bell Manhole  
 (size = 8'6" x 3'7" W. x 5'7" H.)

NOTE: TREES INDICATED TO BE SAVED AT STA. 7+45 AND 9+06  
 SHALL BE REMOVED IN SUCH A MANNER THAT WILL PREVENT DAMAGE  
 TO THE TREES, SO THAT THEY ARE SUITABLE FOR REPLANTING.  
 TREE AT STA. 7+45 SHALL BE REPLANTED IN ITS ORIGINAL LOCATION.  
 TREE AT STA. 9+06 SHALL BE TRANSPLANTED TO A LOCATION  
 DESIGNATED BY THE ENGINEER. TREES SHALL BE WATERED AFTER  
 THEY HAVE BEEN REPLANTED. THIS WORK WILL NOT BE PAID FOR  
 DIRECTLY AND SHALL BE CONSIDERED AS SUBSIDIARY TO THE OTHER  
 ITEMS OF WORK.

10+81.6

Sta. 10+80 Constr. 3rd  
 Type 18" M.H. over existg  
 8" San Sewer North.

Note: See Sheet No. 2 For General Notes

**CAUTION**  
**UNDERGROUND**  
**UTILITIES**  
 Please check with K & E or  
 Southwestern Bell  
 Telephone Co. for Location.

Sta. 6+53 Constr. 3rd Type 18" M.H.  
 6' North of Prop. 8" rim elev. = 113.06

Sta. 8+09 Constr. 3rd Type 18" M.H.  
 18' East of E. of Riverview  
 Rim Elev. = 111.40

End Project  
 Sta. 10+80 Constr. 3rd Type 18" M.H. over  
 existg San Sewer

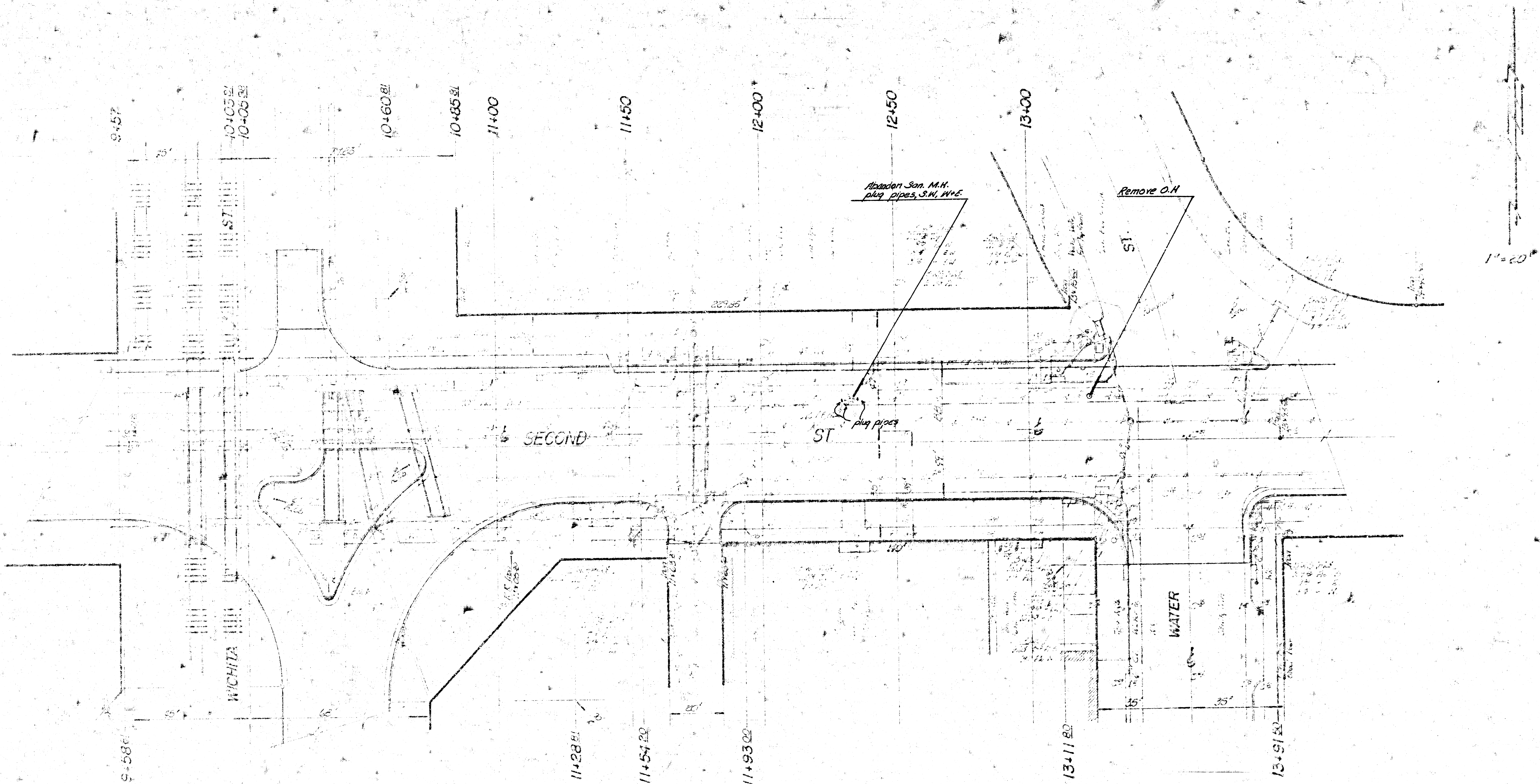
Sta. 6+85 Constr. 3rd Type 18" M.H.  
 40' north of existg 8" over existg  
 8" San Sewer. rim elev. = existg Put.

375' L.F. 8" A.B.S. Composite Pipe at 0.10% Grade

10" A.B.S. Composite Pipe at 0.10% Grade

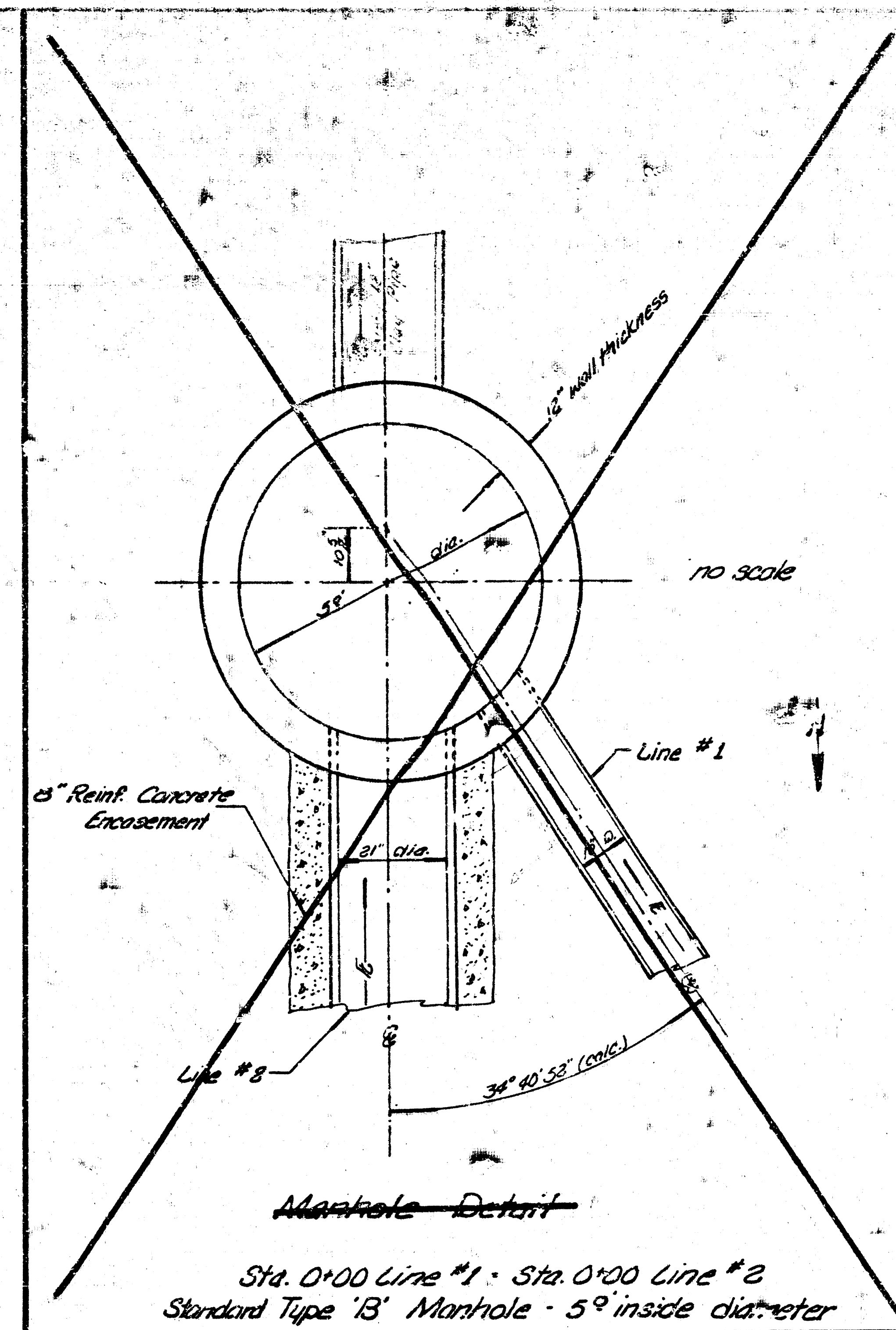
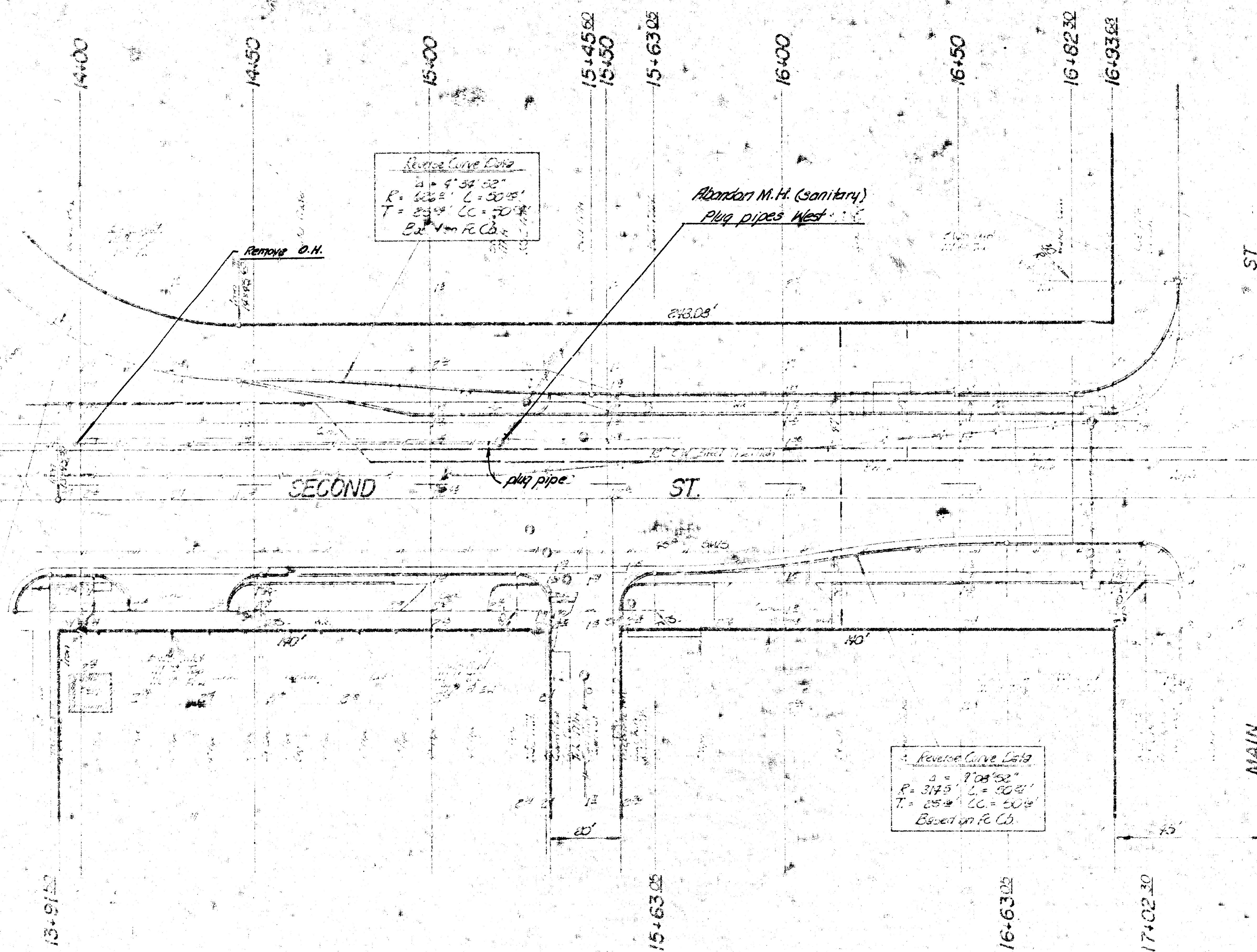
Reconstruction of a Sewer to Supplement  
 a Portion of Dist. 4, S.W. No. 20  
 in 2nd St. from Greenway to Main  
 Proj. No. 10000 376061





Reconstruct a Sewer to Supplement a Portion of  
District '4', Sanitary Sewer No. 20  
IN Second St. from Greenway to Main Street  
Project Number: DBKJ 574061





#### GENERAL NOTES

1. THE CONTRACTOR FOR THIS PROJECT WILL BE REQUIRED TO COORDINATE HIS WORK WITH THE CONTRACTOR FOR CONSTRUCTION OF THE STORM SEWER IN SECOND STREET FROM GREENWAY BOULEVARD TO MAIN STREET.
2. THE WORK SPECIFIED AS MANHOLES ABANDONED SHALL CONSIST OF REMOVING THE TOP 4' OF THE MANHOLE, PLUGGING ALL PIPES IN THE MANHOLE, AND FILLING THE REMAINING PORTION OF THE MANHOLE WITH SAND. THE TOP TWO FEET OF THE EXCAVATION SHALL BE BACKFILLED WITH EXCAVATED MATERIAL COMPACTED TO A DENSITY EQUAL TO OR GREATER THAN THE ADJACENT MATERIAL. PIPE PLUGS WILL BE PAID FOR SEPARATELY AT THE PRICE BID PER EACH PIPE PLUG.
3. ALL EXISTING SANITARY AND STORM SEWER PIPES WHICH ARE TO BE ABANDONED SHALL BE REMOVED WHERE THEY CONFLICT WITH NEW CONSTRUCTION AS APPROVED BY THE ENGINEER. THE ENDS OF THE REMAINING PORTIONS OF THE ABANDONED SEWERS SHALL BE PLUGGED.
4. THE LIMITS OF PAVEMENT REMOVAL AND WALK REMOVAL SHALL BE AS APPROVED BY THE ENGINEER.
5. THE LIMITS FOR PAVEMENT REPLACEMENT AND WALK REPLACEMENT SHALL BE AS DIRECTED BY THE ENGINEER.

Reconstruct a Sewer to Supplement a Portion of  
 District '4' Sanitary Sewer No. 20  
 in Second St. from Greenway to Main Street  
 PROJECT NUMBER: DSKJ 576061