

SEWER REPLACEMENT PROJECT 1979

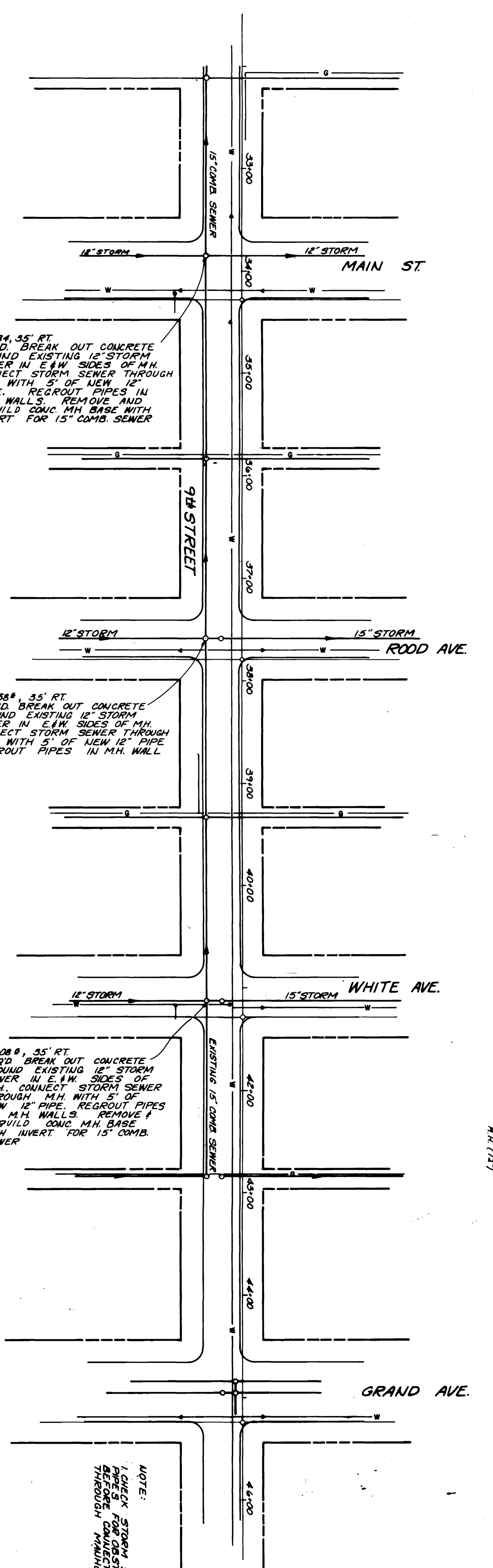
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CITY OF GRAND JUNCTION
PUBLIC WORKS AND
UTILITIES DEPARTMENT
ENGINEERING DIVISION



PAY ITEMS: RECONSTRUCT CONC. M.H. BASE 2 EACH
 STORM SEWER CONNECTION THROUGH M.H. (12") 4 EACH

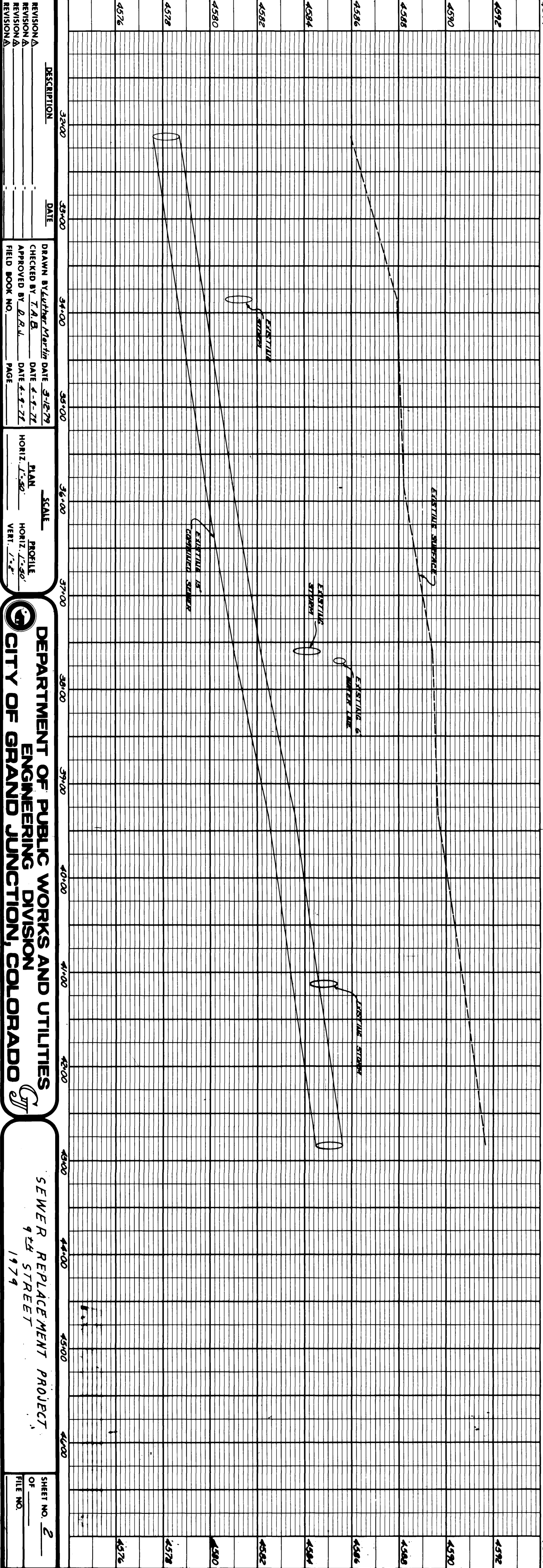


33+84, 35' RT.
 REQ'D. BREAK OUT CONCRETE AROUND EXISTING 12" STORM SEWER IN E & W SIDES OF M.H. CONNECT STORM SEWER THROUGH M.H. WITH 5' OF NEW 12" PIPE. REGROUT PIPES IN M.H. WALLS. REMOVE AND REBUILD CONC. M.H. BASE WITH INVERT FOR 15" COMB. SEWER

37+58, 35' RT.
 REQ'D. BREAK OUT CONCRETE AROUND EXISTING 12" STORM SEWER IN E & W SIDES OF M.H. CONNECT STORM SEWER THROUGH M.H. WITH 5' OF NEW 12" PIPE. REGROUT PIPES IN M.H. WALL

41+08, 35' RT.
 REQ'D. BREAK OUT CONCRETE AROUND EXISTING 12" STORM SEWER IN E & W SIDES OF M.H. CONNECT STORM SEWER THROUGH M.H. WITH 5' OF NEW 12" PIPE. REGROUT PIPES IN M.H. WALLS. REMOVE & REBUILD CONC. M.H. BASE WITH INVERT FOR 15" COMB. SEWER

NOTE:
 1. CHECK STORM SEWER PIPES FOR OBSTRUCTIONS BEFORE CONNECTIONS THROUGH MANHOLES



REVISION A	DATE	DESCRIPTION
REVISION B		
REVISION C		
REVISION D		
REVISION E		

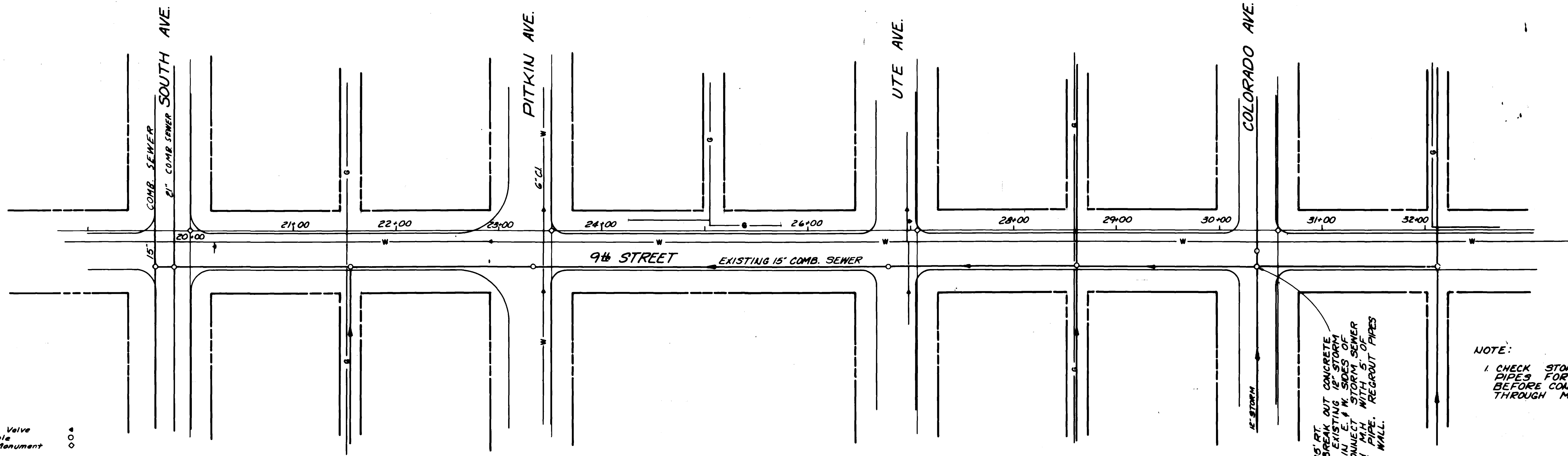
DRAWN BY	DATE	DATE
CHECKED BY	DATE	DATE
APPROVED BY	DATE	DATE
FIELD BOOK NO.	PAGE	

SCALE	PLAN	PROFILE
	HORIZ. 1" = 50'	HORIZ. 1" = 50'
		VERT. 1" = 2'

DEPARTMENT OF PUBLIC WORKS AND UTILITIES
 ENGINEERING DIVISION
 CITY OF GRAND JUNCTION, COLORADO

SEWER REPLACEMENT PROJECT
 9th STREET
 1979

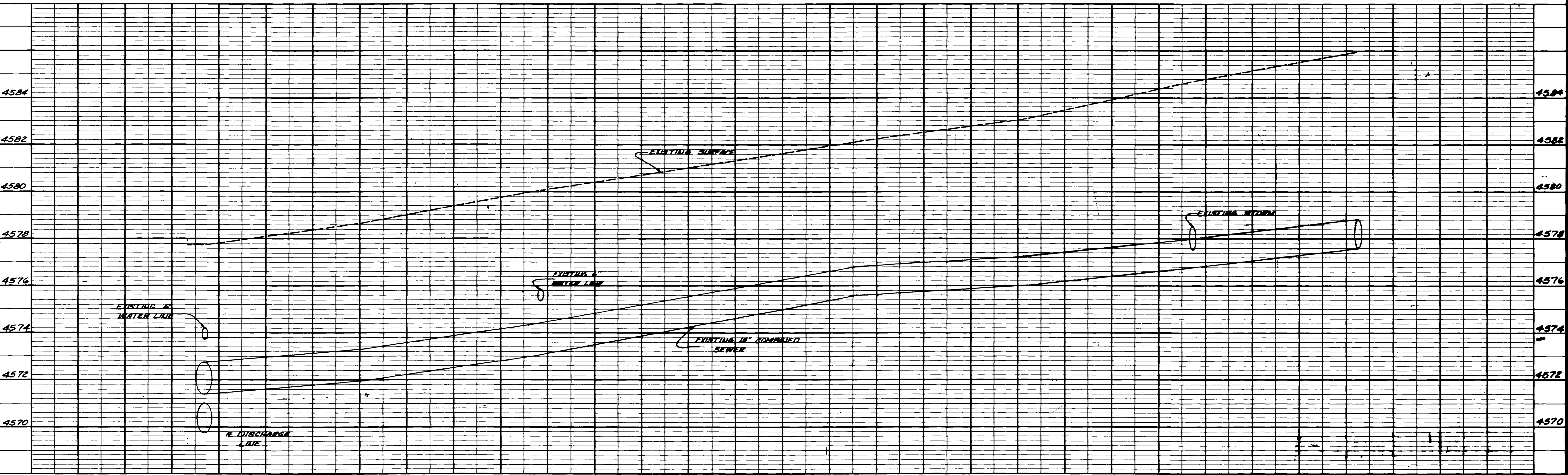
SHEET NO.	2
OF	
FILE NO.	



Water Valve
Manhole
City Monument

30'-36" 95' RT.
BEFORE BREAK OUT CONCRETE
AROUND EXISTING 15" STORM
SEWER. EXISTING 15" STORM
SEWER IS TO BE REGRADED
AT 4" CONNECT STORM SEWER
THROUGH M.H. WITH 5" OF
NEW 15" PIPE. REGRADE PIPES
IN M.H. WALL.

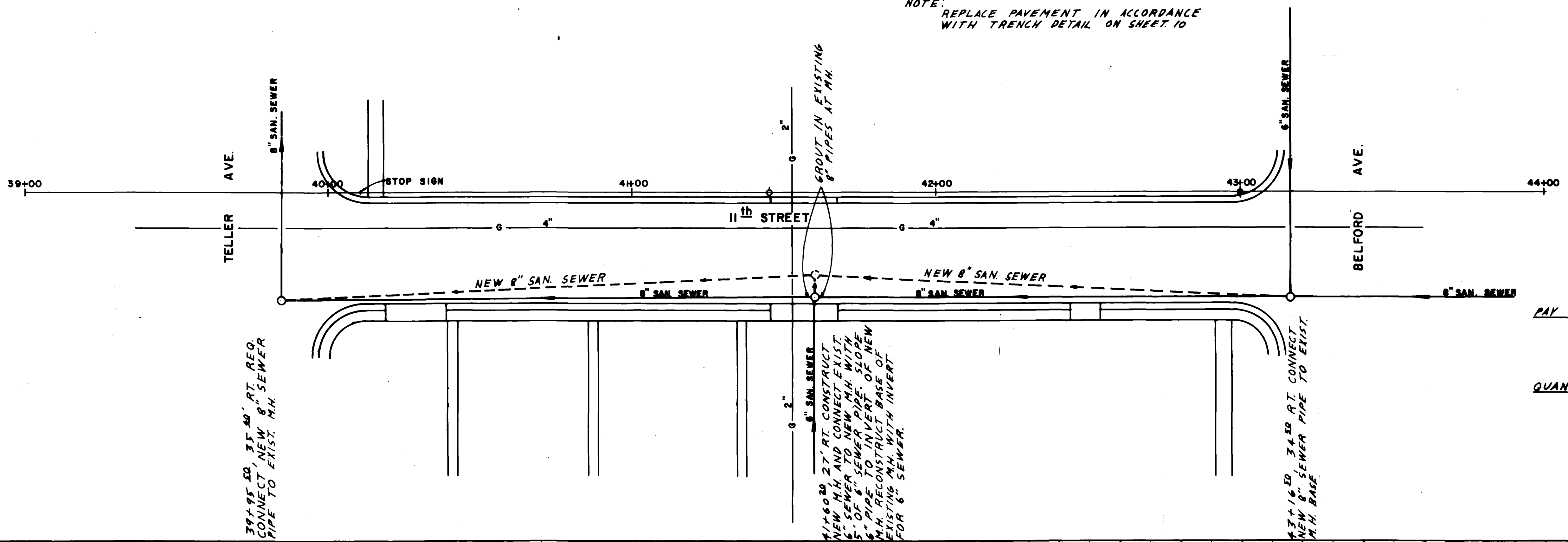
NOTE:
1. CHECK STORM SEWER
PIPES FOR OBSTRUCTIONS
BEFORE CONNECTING
THROUGH MANHOLES



REVISION Δ _____ REVISION Δ _____ REVISION Δ _____ REVISION Δ _____	DATE _____ DATE _____ DATE _____ DATE _____	DRAWN BY <u>Luther Martin</u> DATE <u>3-12-79</u> CHECKED BY <u>T.A.B.</u> DATE <u>4-9-79</u> APPROVED BY <u>D.R.J.</u> DATE <u>4-9-79</u> FIELD BOOK NO. _____ PAGE _____	SCALE PLAN HORIZ. 1"=50' PROFILE HORIZ. 1"=50' VERT. 1"=2'	DEPARTMENT OF PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION CITY OF GRAND JUNCTION, COLORADO	SEWER REPLACMENT PROJECT 9th STREET 1979	SHEET NO. <u>3</u> OF _____ FILE NO. _____
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NOTE:
REPLACE PAVEMENT IN ACCORDANCE
WITH TRENCH DETAIL ON SHEET 10

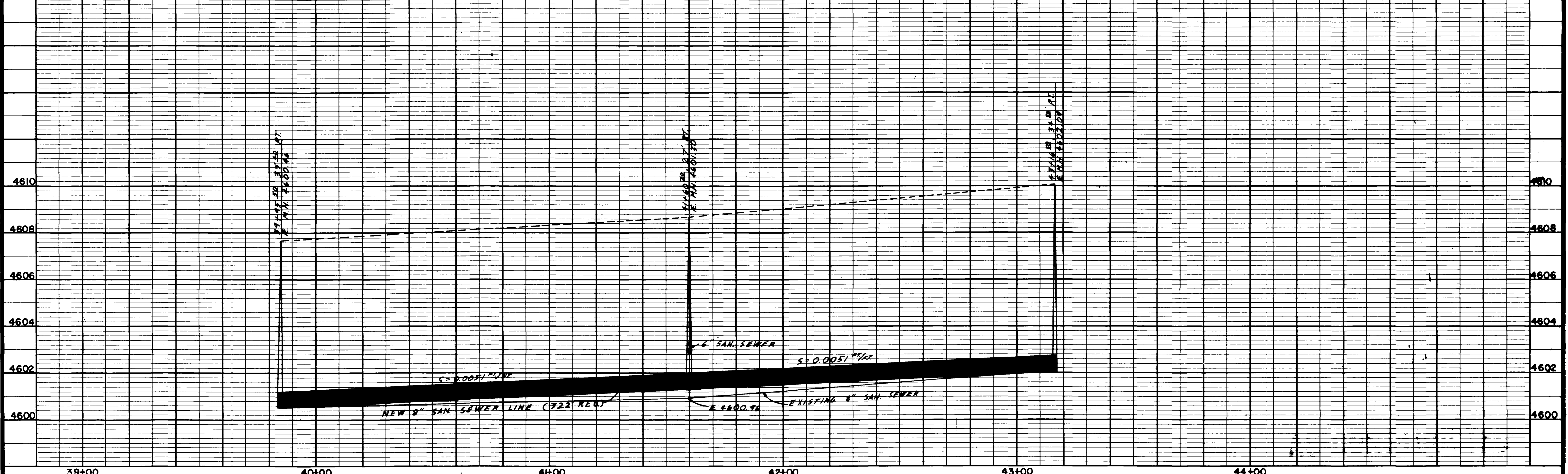


39+95 TO 35' 40' AT REQ.
CONNECT NEW 8" SEWER
PIPE TO EXIST. M.H.

41+60.00 27' RT. CONSTRUCT
NEW M.H. AND CONNECT EXIST.
6" SEWER TO NEW M.H. WITH
5% OF 6" SEWER PIPE. SLOPE
6" PIPE TO INVERT OF NEW
M.H. RECONSTRUCT BASE OF
EXISTING M.H. WITH INVERT
FOR 6" SEWER.

43+16 TO 34' 40' AT REQ.
CONNECT NEW 8" SEWER PIPE TO EXIST.
M.H. BASE

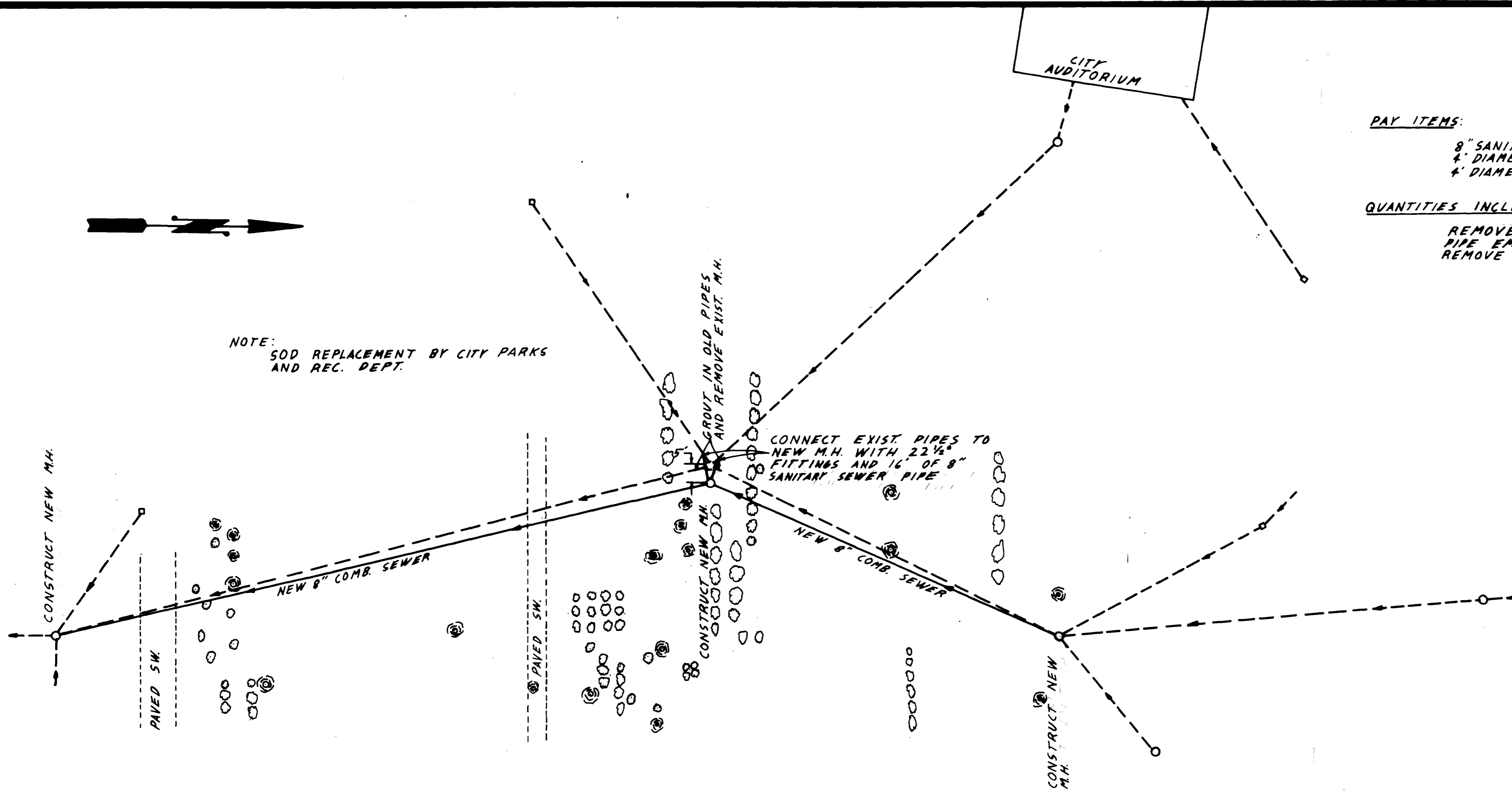
PAY ITEMS:	APPROXIMATE QUANTITIES
8" SANITARY SEWER PIPE	327 LF.
2' DIAMETER M.H. (5' TO 10' DEEP)	1 EACH
RECONSTRUCT CONC. M.H. BASE	1 EACH
QUANTITIES INCLUDED IN SEWER PIPE PRICE:	
REMOVE ASPHALT PAVEMENT	304 SQ. YD.
HOT BITUMINOUS PAVEMENT (GRADING D) (HAUL AND ASPHALT)	50 TONS
AGGREGATE BASE COURSE (CLASS 6) (HAUL AND WATER)	160 TONS
PIPE EMBEDMENT MATERIAL	75 TONS



REVISION Δ	DESCRIPTION	DATE	DRAWN BY T.A.B.	DATE 3-27-79	SCALE PLAN PROFILE HORIZ. 1"=20' HORIZ. VERT.	DEPARTMENT OF PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION CITY OF GRAND JUNCTION, COLORADO	SEWER REPLACEMENT PROJECT 11th STREET 1979	SHEET NO. 4
REVISION Δ			CHECKED BY J.P.N.	DATE 4-5-79				OF
REVISION Δ			APPROVED BY D.R.V.	DATE 4-9-79				FILE NO.
REVISION Δ			FIELD BOOK NO.	PAGE				



NOTE:
SOD REPLACEMENT BY CITY PARKS
AND REC. DEPT.



PAY ITEMS:

8" SANITARY SEWER PIPE
4' DIAMETER M.H. (5' TO 10' DEEP)
4' DIAMETER M.H. (0' TO 5' DEEP)

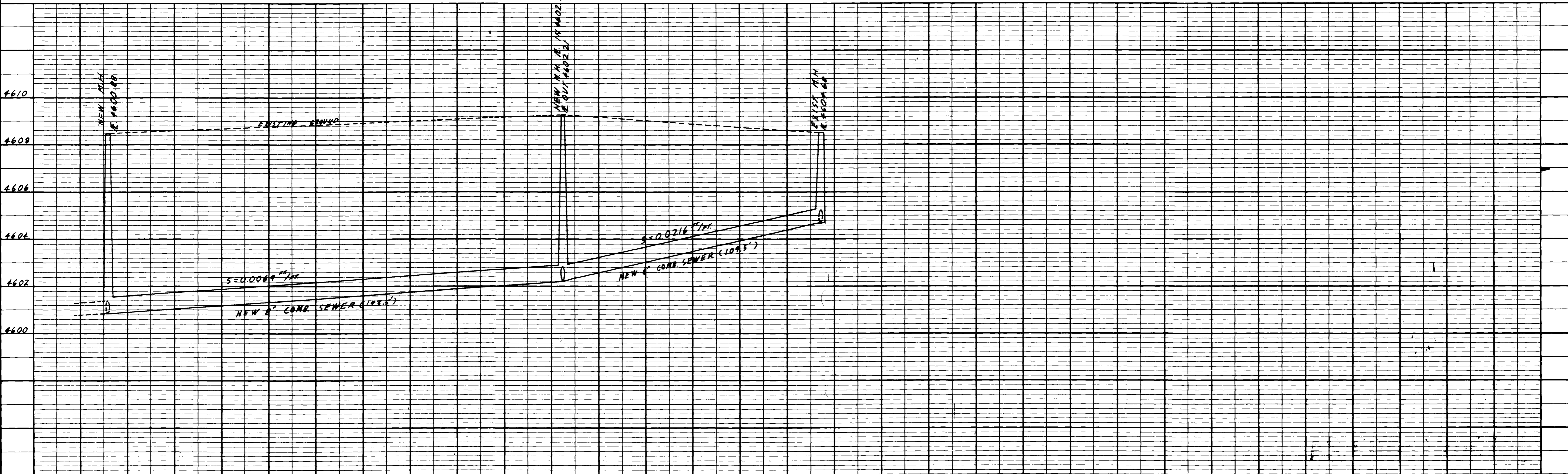
APPROXIMATE
QUANTITIES

319 L.F.
2 EACH
1 EACH

QUANTITIES INCLUDED IN SEWER PIPE PRICE

REMOVE ASPHALT PAVEMENT
PIPE EMBEDEDMENT MATERIAL
REMOVE EXIST. M.H.

19 SQ. YD.
71 TONS
1 EACH



REVISION	DESCRIPTION	DATE
REVISION		
REVISION		
REVISION		

DRAWN BY T.A.R. DATE 4-3-79
 CHECKED BY J.D.N. DATE 4-7-79
 APPROVED BY R.R.L. DATE 4-9-79
 FIELD BOOK NO. _____ PAGE _____

SCALE
 PLAN HORIZ. 1"=20'
 PROFILE HORIZ. 1"=20'
 VERT. 1"=2'

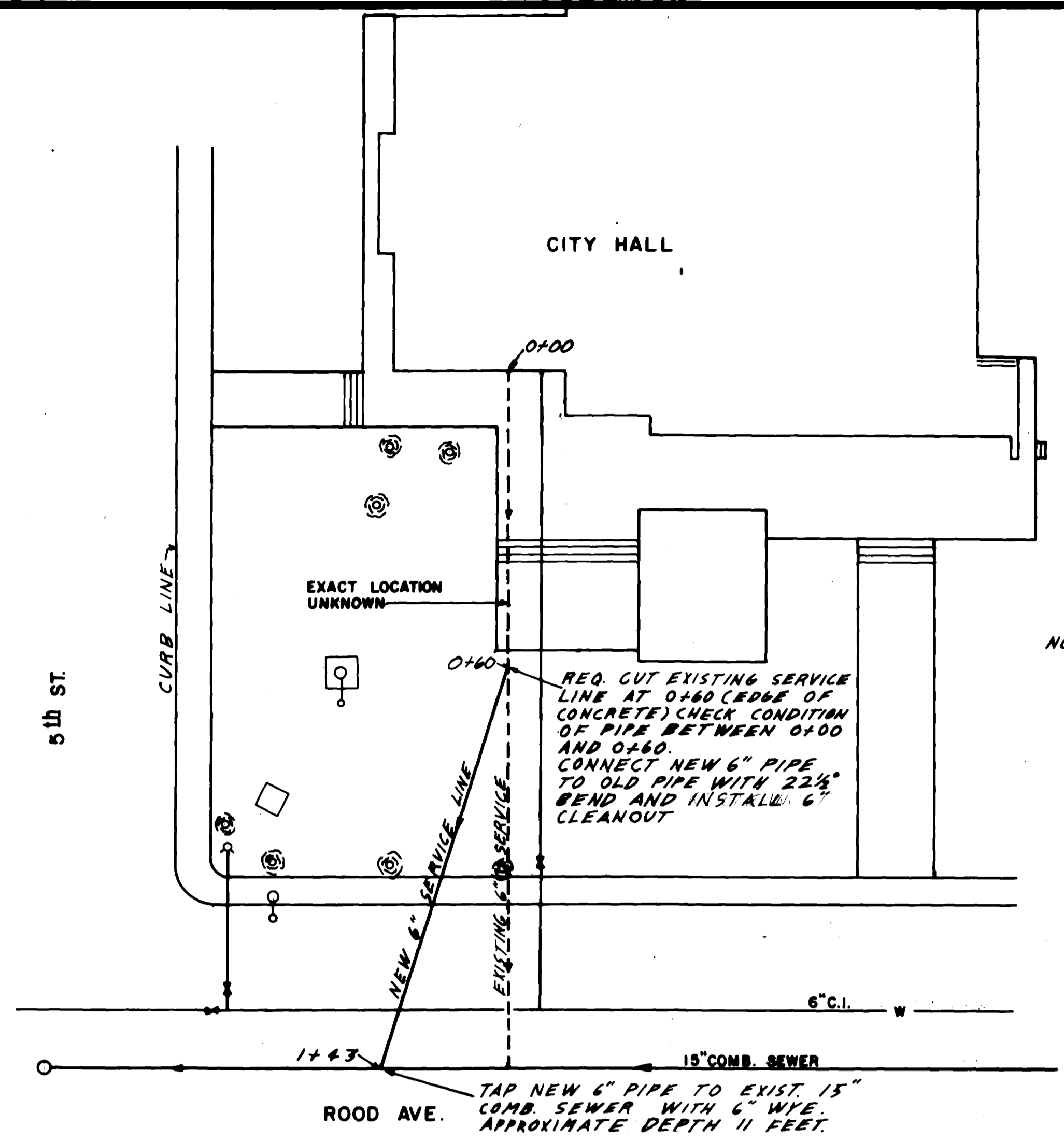
DEPARTMENT OF PUBLIC WORKS AND UTILITIES
ENGINEERING DIVISION
CITY OF GRAND JUNCTION, COLORADO

SEWER REPLACEMENT PROJECT
LINCOLN PARK
1979

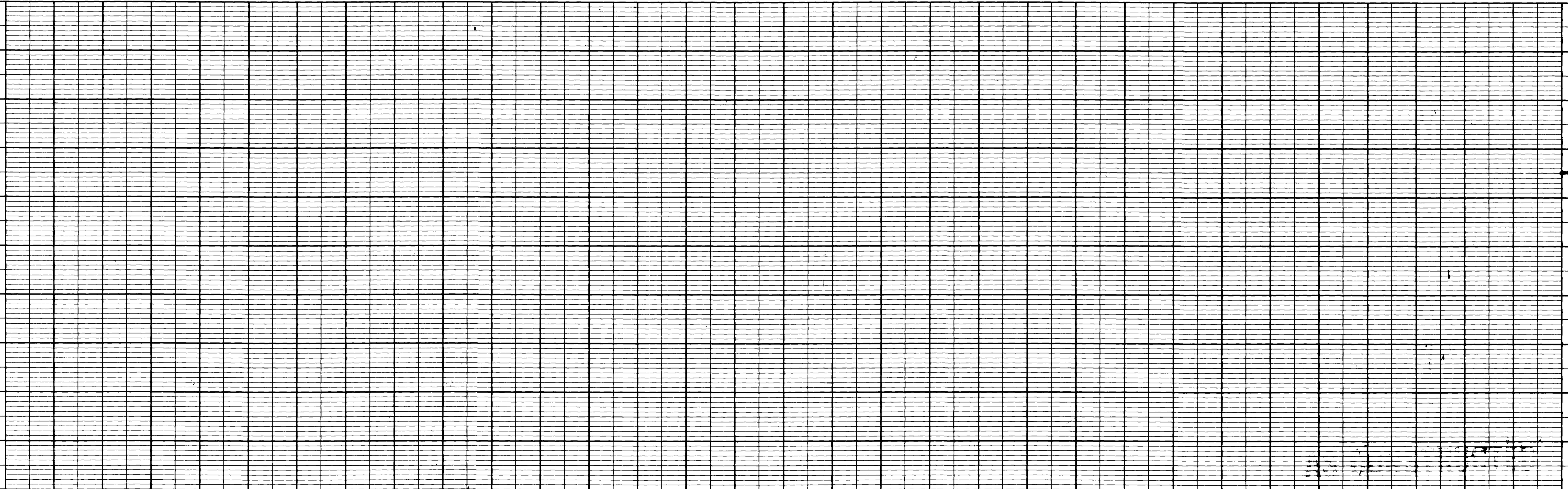
SHEET NO. 5
 OF _____
 FILE NO. _____

<u>PAY ITEMS:</u>	<u>APPROXIMATE QUANTITIES</u>
6" SANITARY SERVICE PIPE	83 L.F.

<u>QUANTITIES INCLUDED IN SEWER PIPE PRICE:</u>	
CURB, GUTTER, AND S.W.	10 L.F.
SOD	4.9 SQ. YD.
HOT BITUMINOUS PAVEMENT	
(GRADING D)(HAUL AND ASPHALT)	7 TONS
AGGREGATE BASE COURSE	
(CLASS 6)(HAUL AND WATER)	20.5 TONS
PIPE EMBEDMENT MATERIAL	15 TONS
REMOVE ASPHALT PAVEMENT	39 SQ. YD.
6" CLEANOUT	1 EACH



NOTE: THE CONTRACTOR SHALL REPLACE ALL PAVEMENT, SOD, AND CONCRETE REMOVED.



<u>DESCRIPTION</u>	<u>DATE</u>	<u>DRAWN BY</u> T.A.B.	<u>DATE</u> 4-8-79	<u>SCALE</u>
REVISION Δ		CHECKED BY J.D.M.	DATE 4-9-79	<u>PLAN</u> <u>PROFILE</u>
REVISION Δ		APPROVED BY D.R.J.	DATE 4-9-79	HORIZ. 1" = 20'
REVISION Δ		FIELD BOOK NO.	PAGE	VERT.

DEPARTMENT OF PUBLIC WORKS AND UTILITIES
ENGINEERING DIVISION
CITY OF GRAND JUNCTION, COLORADO

SEWER REPLACEMENT PROJECT
CITY HALL SEWER LINE
1979

SHEET NO. 6
OF
FILE NO.

