

APPENDIX 2.8 –

MANHOLE STORM DRAIN AS-BUILTS

FOR:

Commercial St. and Indian School Rd.

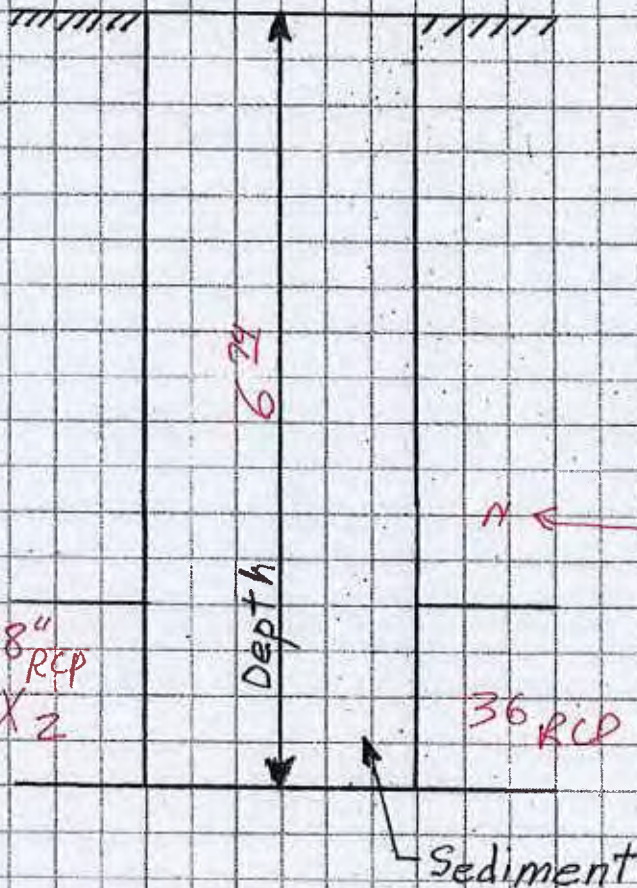
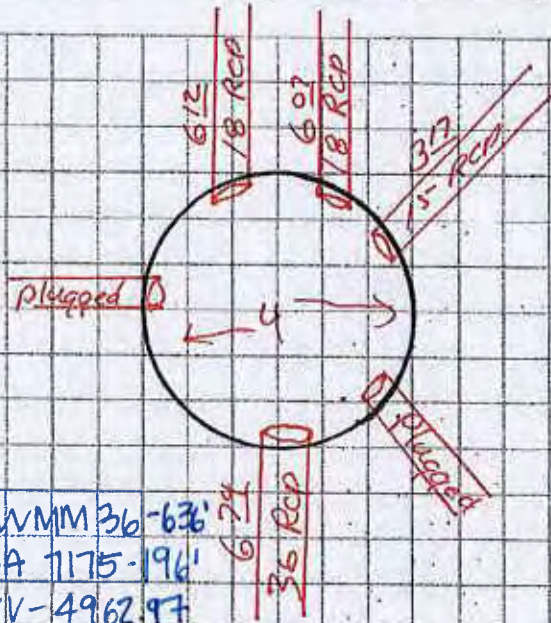
Manhole # 29 Location Commercial + Indian School Date 9-26-10

Notes S.E. Inter Section

COA MH # 6195

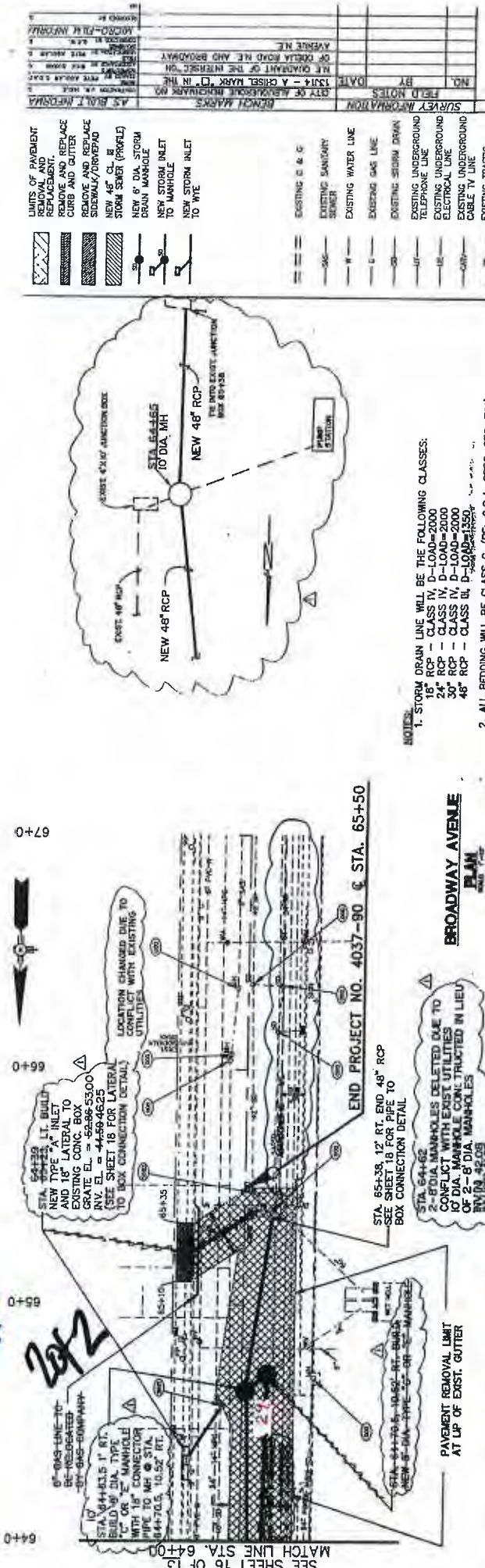
COA 6195
RIM 4969.71
MH INV 4962.97

SWMM 36-636'
COA 7175-196'
INV-4962.97



1 of 2

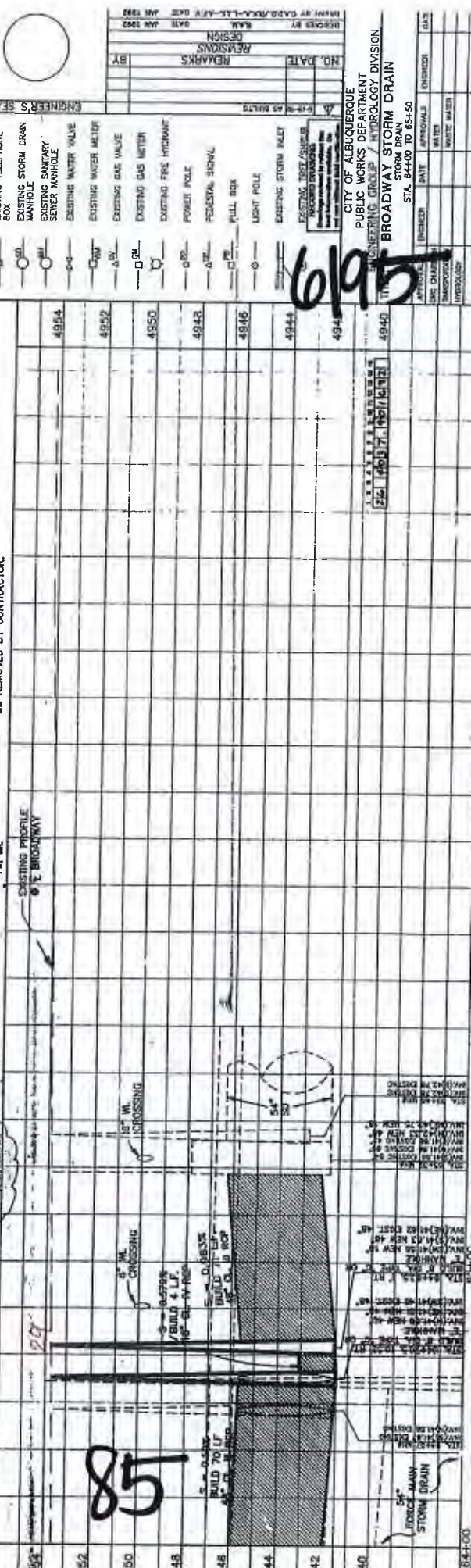
8A



1. STORM DRAIN LINE WILL BE THE FOLLOWING LENGTHS:

2. ALL BEDDING WILL BE CLASS C. (RE: C.O.A. SPEC. SEC. 701)

3. ALL ABANDONED UTILITIES FOUND WITHIN THE TRENCH PRISM SHALL BE REMOVED BY CONTRACTOR



~~Bread/Corn~~ 3 of 50

PROJECT O.	MAP NO.	SHEET OF	
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
TESTING GROUP / HYDROLOGY DIVISION
BROADWAY STORM DRAIN
STATION 10+00 TO 10+50






LIMITS OF PAVEMENT
 REMOVAL AND
 REPLACEMENT.
 CURB AND GUTTER
 REPAIRS AND
 SIDEWALK/DRIVEWAY
 REPAIRS AND
 NEW "C" CL
 STORM SEWER (PROFILE)
 NEW "D" STORM
 DRAIN MANHOLE
 NEW STORM INLET
 TO MANHOLE
 NEW STORM INLET
 TO WYE

— 96 —
 DURING SANITARY
 DURING 5 & 6
 CITY OF ALABAMA, BIRMINGHAM
 13144 - A CHISEL MARK
 THE QUARTER OF THE INTER
 OF ORLEANS ROAD NE AND S
 AVERAGE 112.

	DATE	BY	NO.	SURVEY INFORMATION
EXISTING WATER LINE				
EXISTING GAS LINE				
EXISTING SEWER DRAIN				
EXISTING UNDERGROUND TELEPHONE LINE				
EXISTING UNDERGROUND ELECTRICAL LINE				
EXISTING UNDERGROUND CASTING LINE				
EXISTING CATCH BASIN				

EXISTING WATER METER
EXISTING WATER VALVE
EXISTING SANITARY
SEWER MANHOLE
EXISTING STORM DRAIN
MANHOLE
EXISTING TELEPHONE
BOX
EXISTING SIGNAL CONDUIT

EXHAUST GAS VALVE	BY	DATE	TIME
EXHAUST GAS INLET			
EXHAUST FIBER INLET			
POWER POLE			
FEEDBACK SIGNAL			

REV	DATE	BY	REASON
1	10/10/80	WJ	REVISION
2	10/10/80	WJ	REVISION
3	10/10/80	WJ	REVISION
4	10/10/80	WJ	REVISION
5	10/10/80	WJ	REVISION
6	10/10/80	WJ	REVISION
7	10/10/80	WJ	REVISION
8	10/10/80	WJ	REVISION
9	10/10/80	WJ	REVISION
10	10/10/80	WJ	REVISION
11	10/10/80	WJ	REVISION
12	10/10/80	WJ	REVISION
13	10/10/80	WJ	REVISION
14	10/10/80	WJ	REVISION
15	10/10/80	WJ	REVISION
16	10/10/80	WJ	REVISION
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88	10/10/80	WJ	REVISION
89	10/10/80	WJ	REVISION
90	10/10/80	WJ	REVISION
91			

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP / HYDROLOGY DIVISION
BROADWAY STORM DRAIN
STORM DRAIN
STA. 84+00 TO 85+50

Manhole # 27 Location Commercial & McKnight Date 4-26-10

Notes S.W. Inter Section

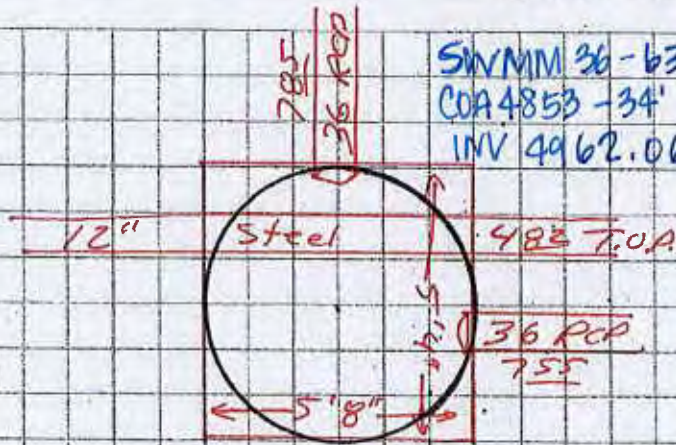
Concrete in Invert.

COA MH # 6246

COA 6246
RIM 4969.91
MH INV 4962.06

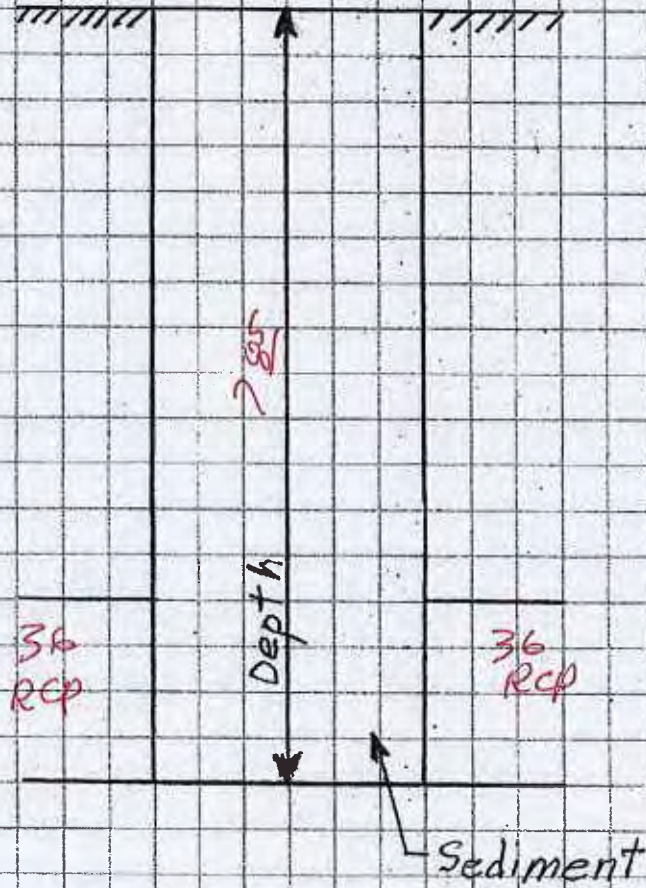
SWMM 36-636'
COA 4853-34'
INV 4962.06

N↑



SWMM 37-120'
COA 26615-94'
INV 4962.36

1 of 2

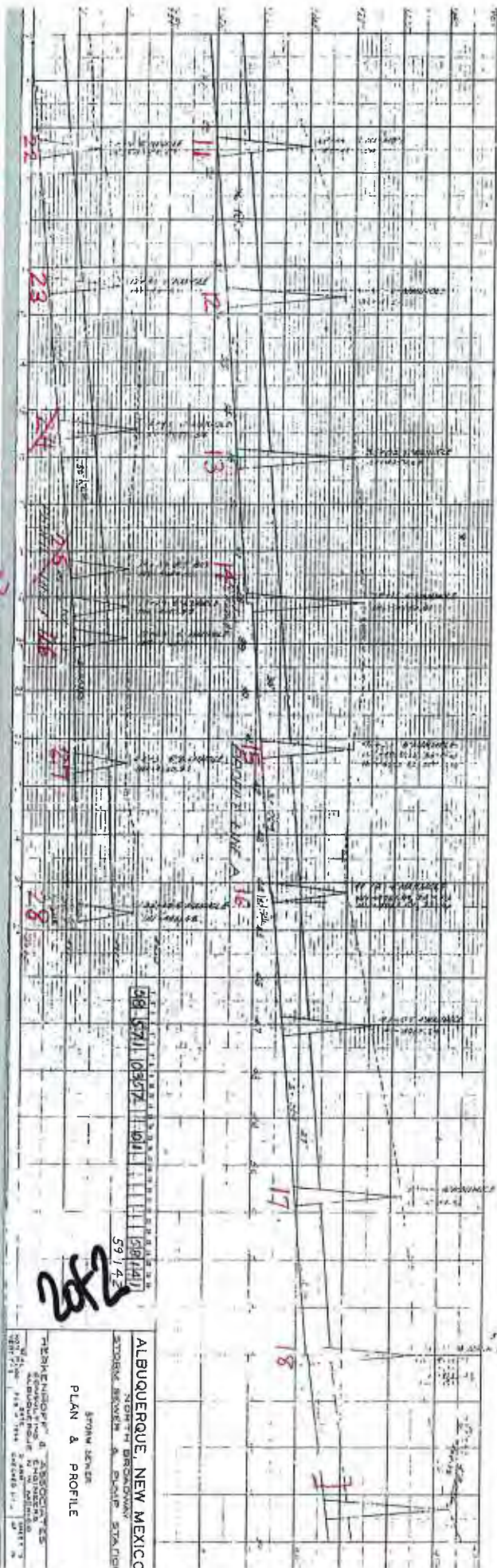
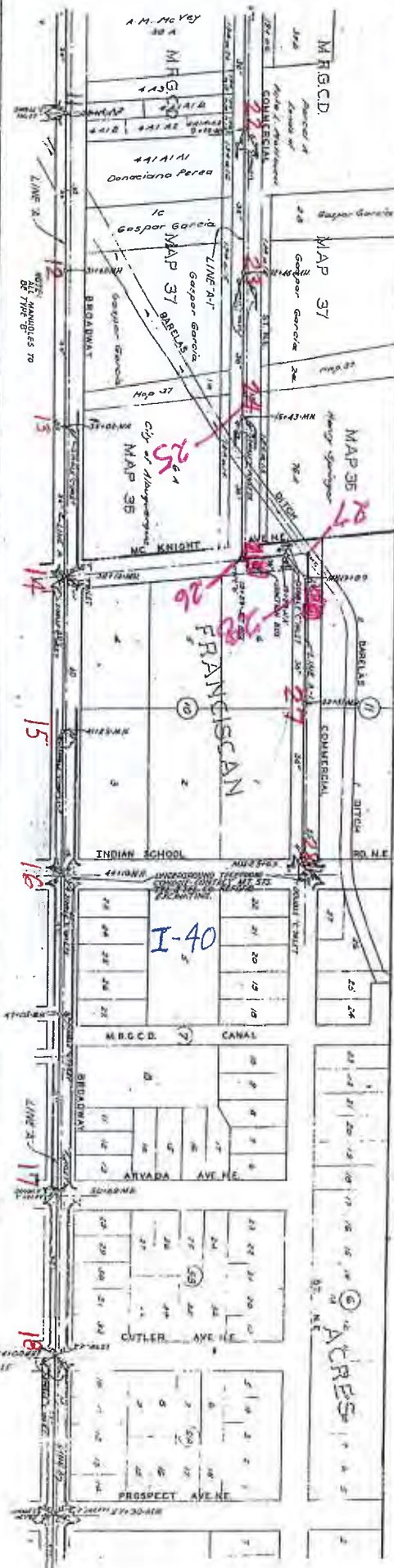


86

78
2

A1-2 2C-27

A.T. & S.F. RY



PLAN & PROFILE

ALBUQUERQUE, NEW MEXICO
NORTH BROADWAY
STORM BEVERLY A PLUMP STATION

59142

59142

[illegible]

2-f 50

56

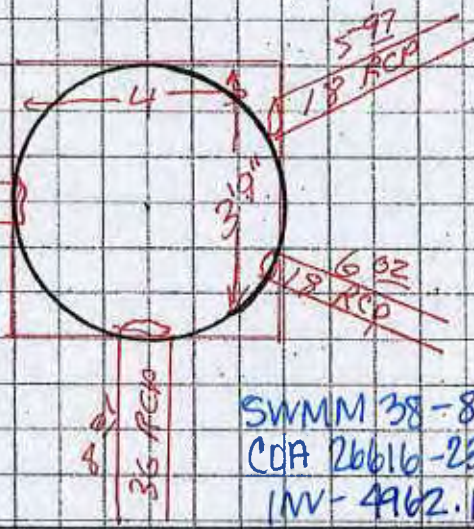
१११

Notes

COA MH # 29163

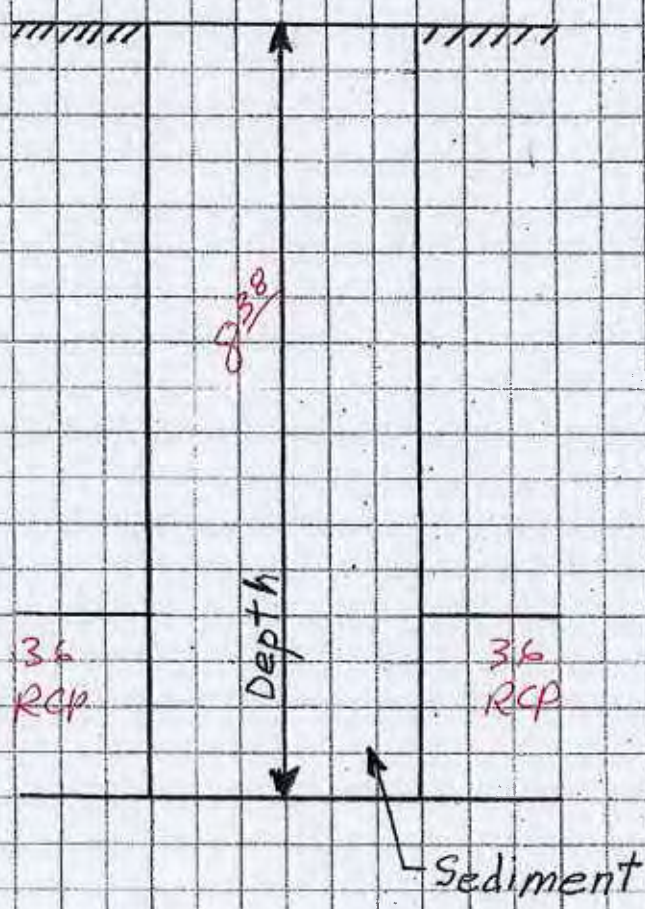
COA 29163
RIM 4970.39
MH INV 4962.01

SWMM 37-120'
COA 26615-92
INV 4962.01



SWMM 38-855'
COA 26616-236
INV-4962.18

1 of 2



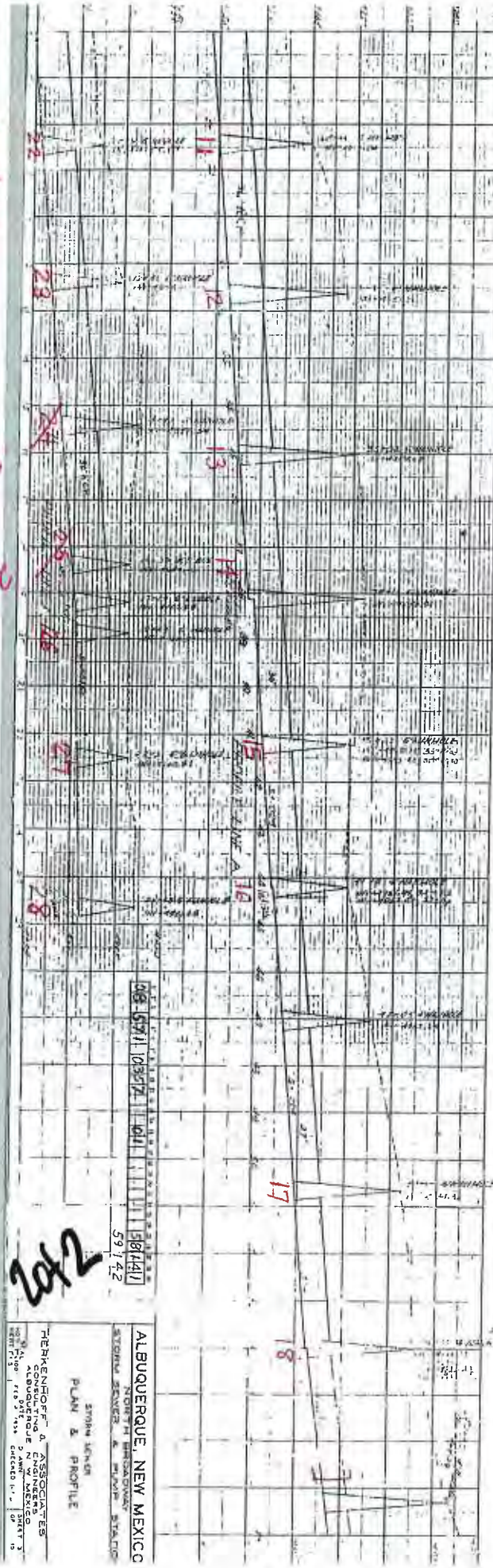
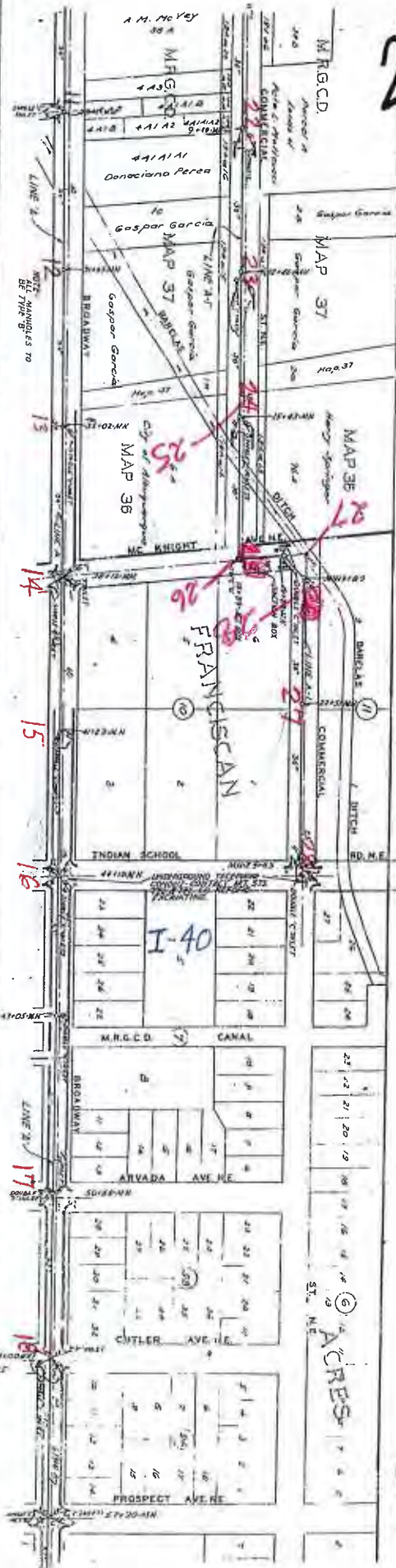
88

29163

29163

89

2



ALBUQUERQUE, NEW MEXICO
NORTH BRIDGWAY
STATION NUMBER
PLAN & PROFILE
REKREHOFF & ASSOCIATES
CONSULTING ENGINEERS
ALBUQUERQUE, NEW MEXICO
DATE: 1/15/10
SHEET: 10

2 + 50

25

26

242

Manhole # 24 Location Commercial

Date 9-26-10

Notes

COA MH # 7635

COA 7635
RIM 4964.63
MH INV: 4957.34

SWMM 38-855
COA 26608-272' $\nearrow$
INV 4957.34



SWMM 39-613'
COA 5875-98'
INV 4957.34

1 of 2

36
RCP

729

Depth

36
RCP

90

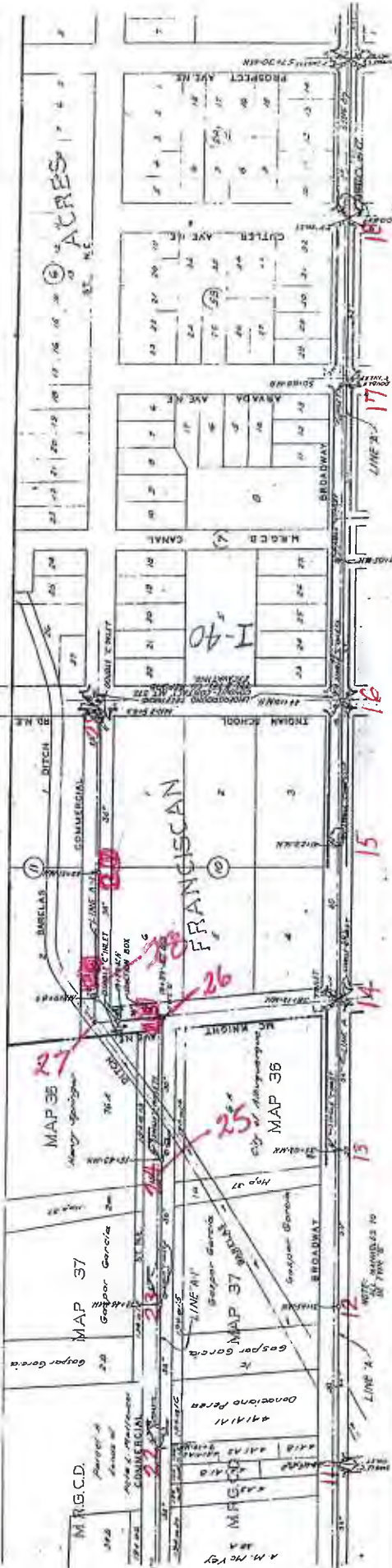
Sediment



A.T. & S.F. RY.

7635

Lot 2



ALBUQUERQUE, NEW MEXICO

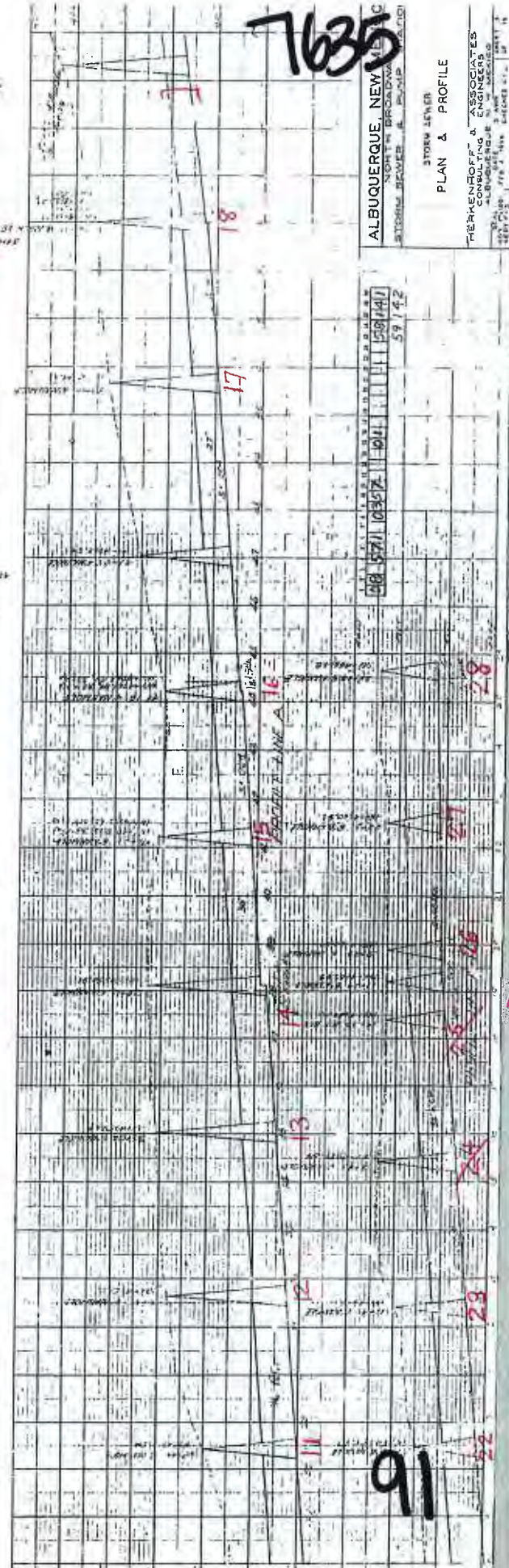
NOTES: BROADWAY
STATION NEWER & PUMP

STORM LEVER PLAN & PROFILE

**FRIEDRICHENHOF & ASSOCIATES
CONSULTING ENGINEERS**

[illegible]

1

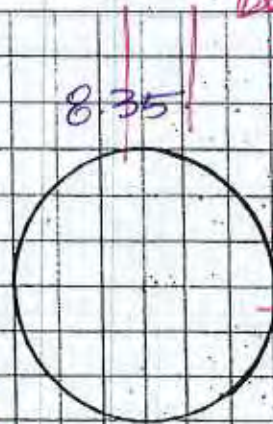


Manhole # 190 80 Location Commercial + ODELA Date 4-23-10
Notes under Asphalt. **COA MH # 7650**

SWMM39
INV 4954.93

Could not
open

MH # 7650
RIM ~~4963.28~~ 4963.28
MH INV ~~4954.93~~ 4954.93



26601
36
179'

SWMM40
8.35 4954.93



Depth

8.35

1 of 2

92

Sediment

28 of 40

Manhole # 9 Location Broadway + O'Connell Date 4.23.10

Notes N.E. Intersection

COA MH # 7656

COA 7656
R.I.M 4962.62
MH INV 4953.17

386'
SWMM 40
COA 10516-74
INV 4953.37

SWMM 44-831
COA 26571-49
INV 4954.11

SWMM 41-416
COA 26575-47
INV 4954.06

SWMM 45-319
COA 26565-322
INV 4953.17

1 of 2

48"
RCP

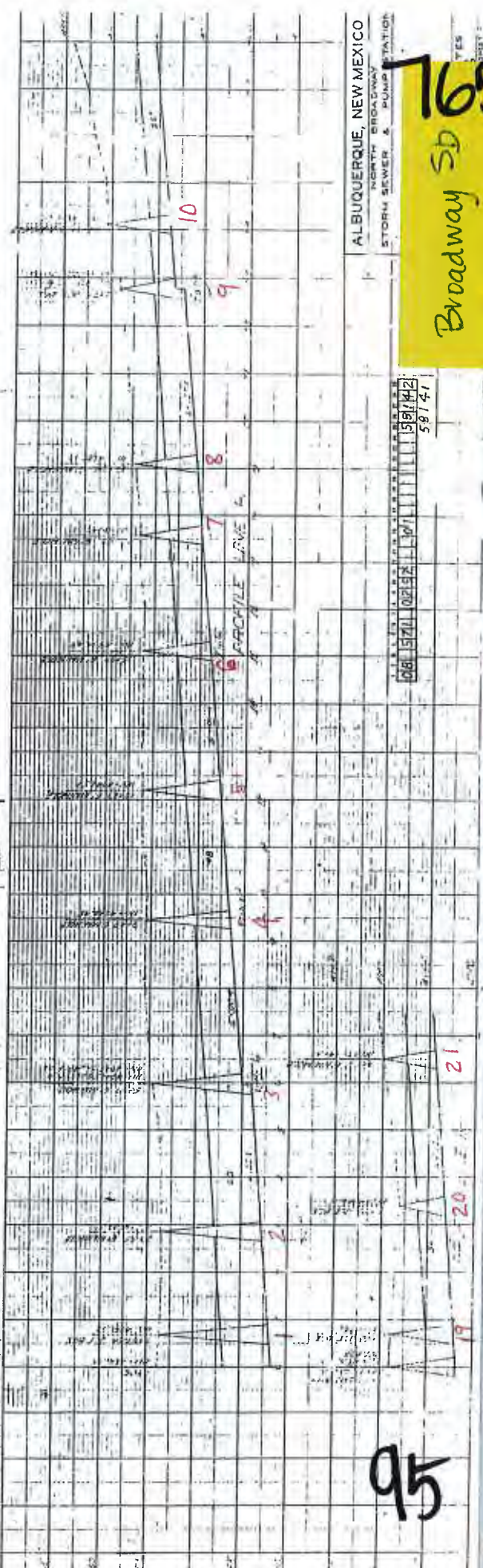
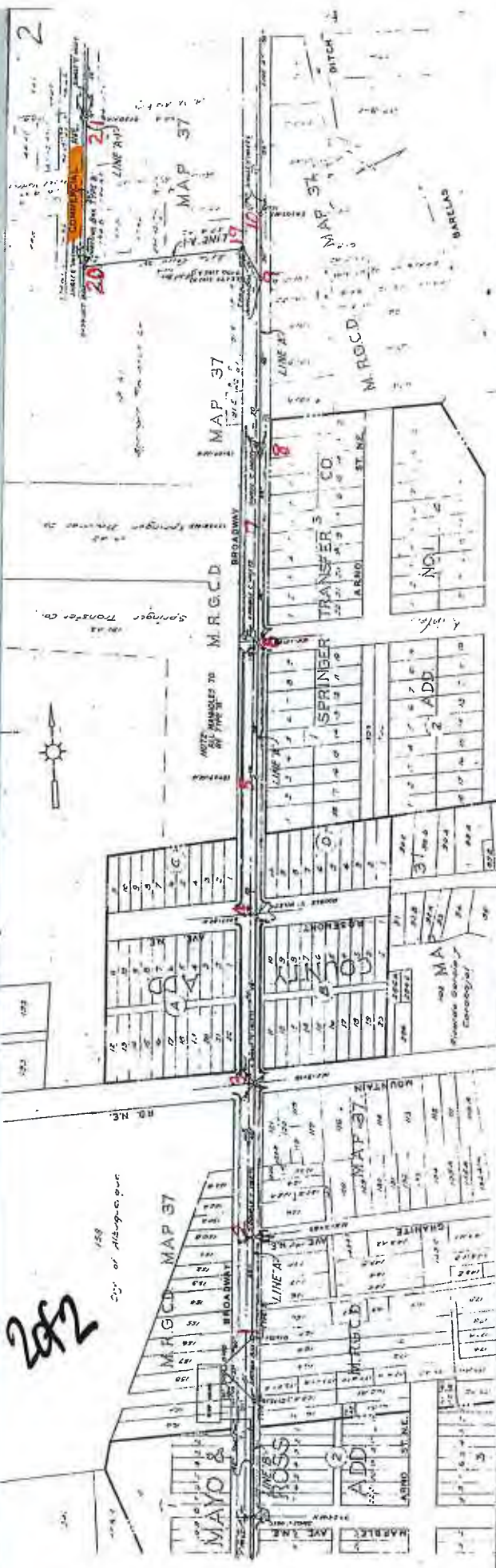
Depth

36"
RCP

94

Sediment

7656



ALBUQUERQUE, NEW MEXICO
NORTH BROADWAY
STORM SEWER & PUMP STATION

7656
Broadway SD
Plan
(6)

~~Good Comm 1055~~

Manhole # 11447

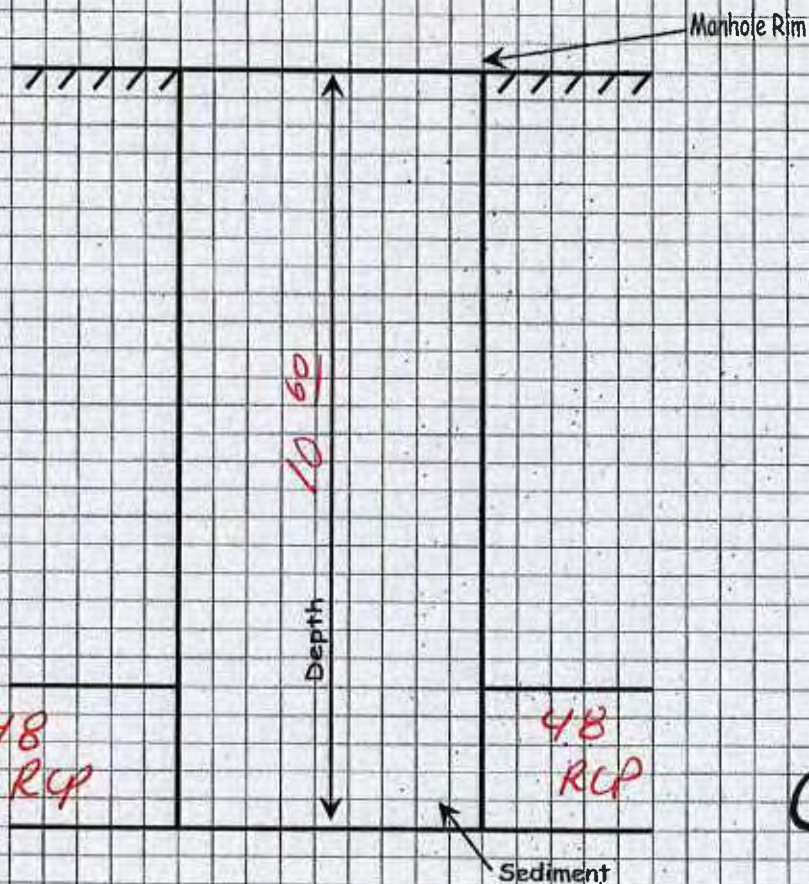
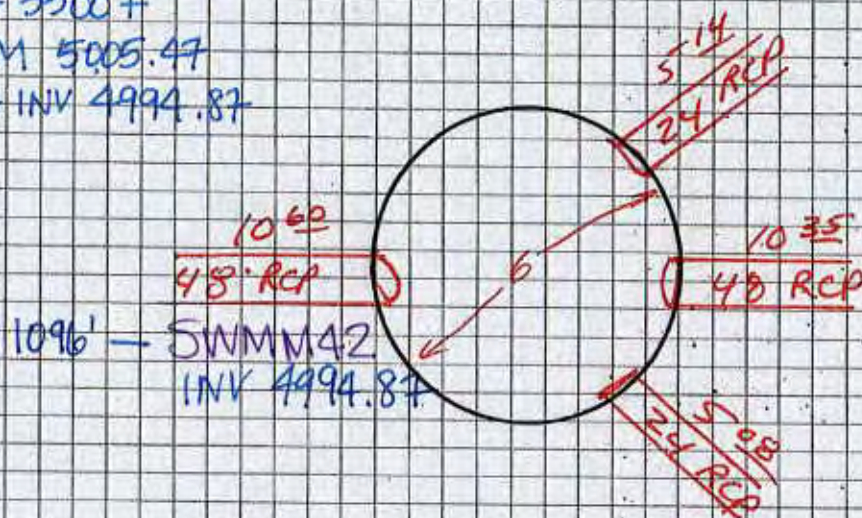
Location ODEGA

Date 5-17-11

Notes

COA MH # 33007

COA 33007
RIM 5005.47
MH INV 4994.87



1 of 2

96

Manhole # 11460

Location ODELI'A

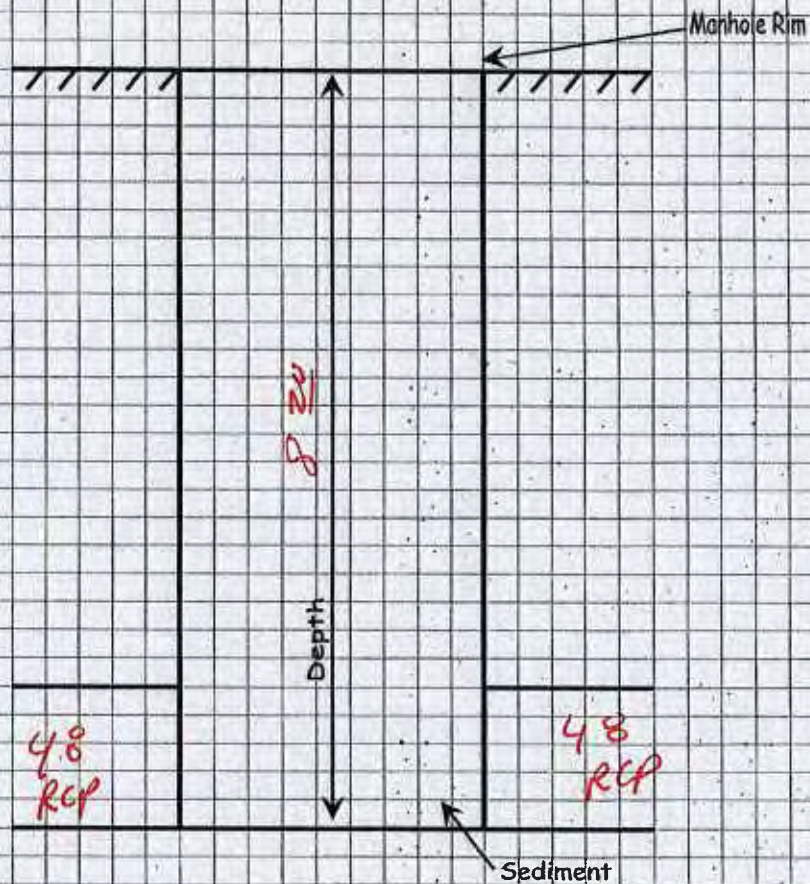
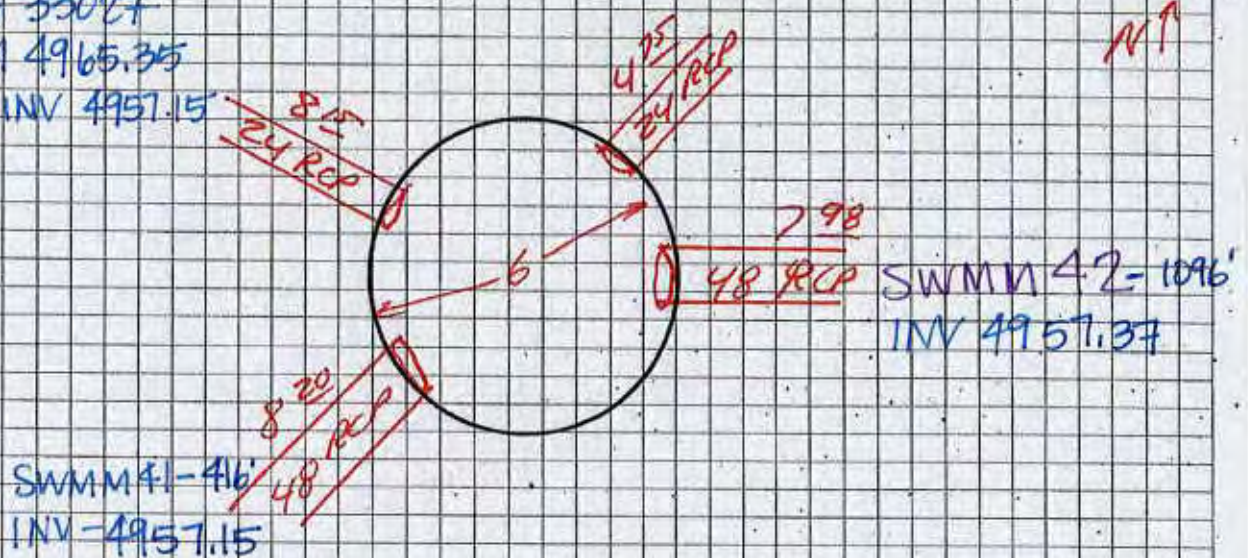
Date 5-12-11

Notes

COA MH # 33027

COA 33027
RIM 4965.35
MH INV 4957.15

N ↑



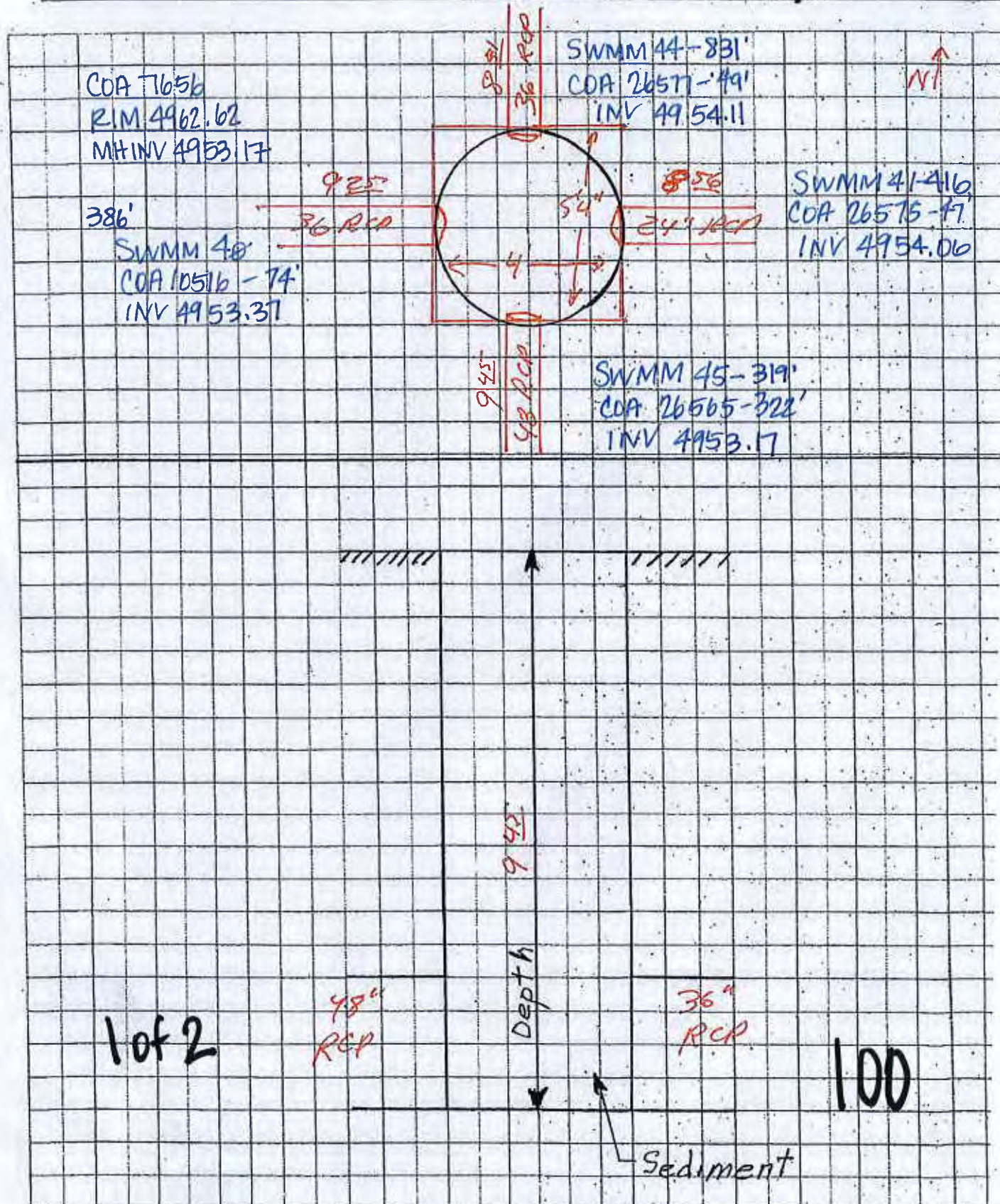
1 of 2

98

Manhole # 9 Location Broadway + Odelia Date 4.23.10

Notes N.C. Intersection

COA MH #7656



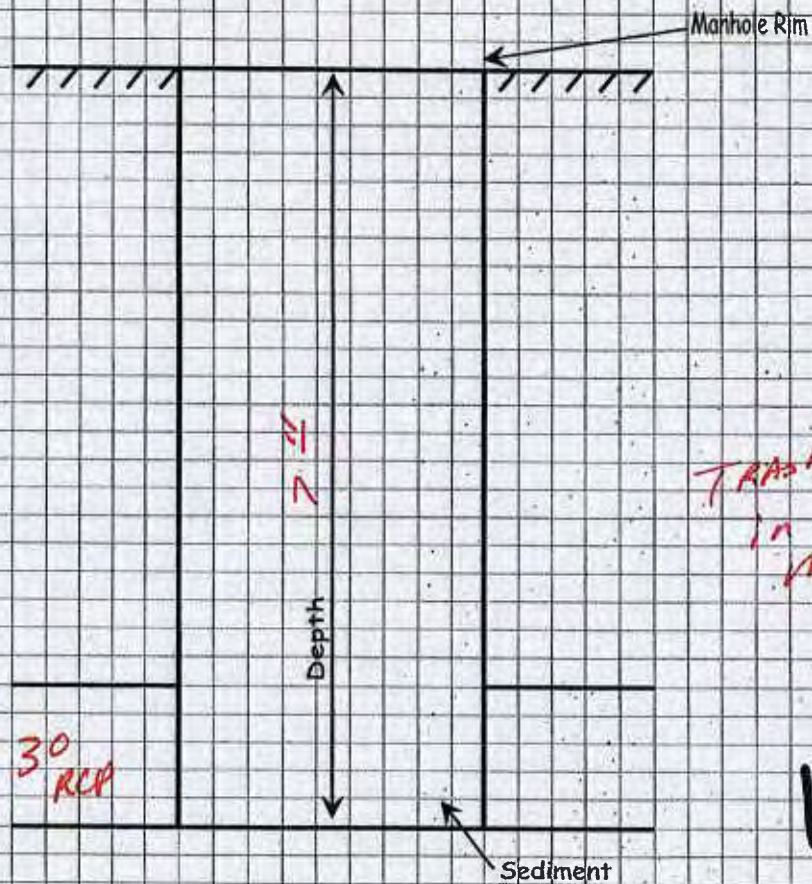
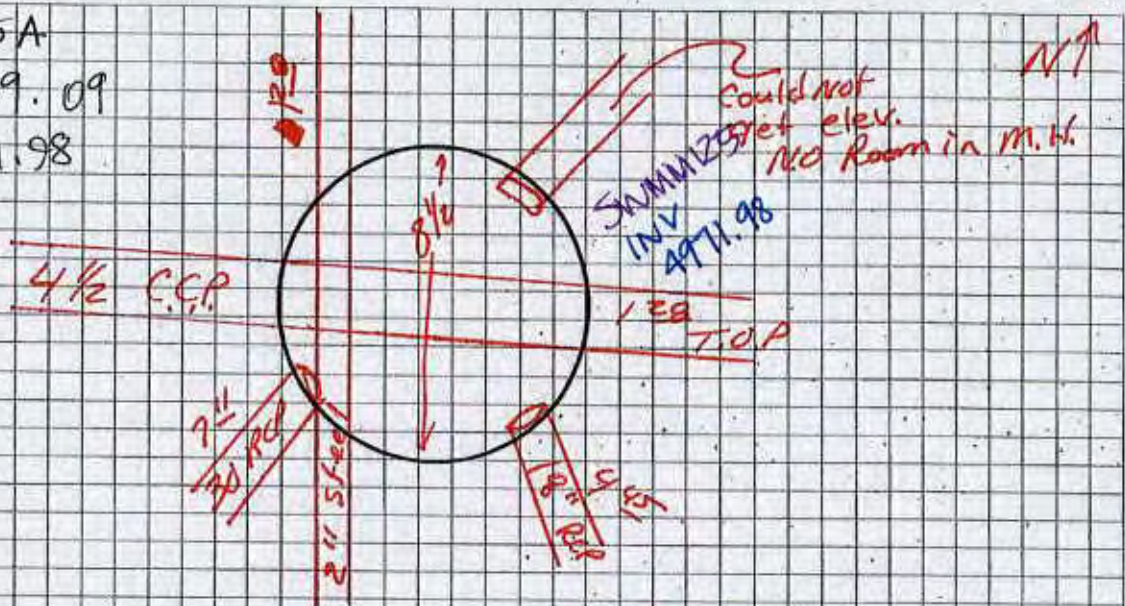
Manhole # 12000 Location Edith + Mountain Date 5-17-11
Notes S.E. Inter section

MH # 7963.05A

COA# 7963.05A

RIM: 4979.09

INV: 4971.98



1 of 1

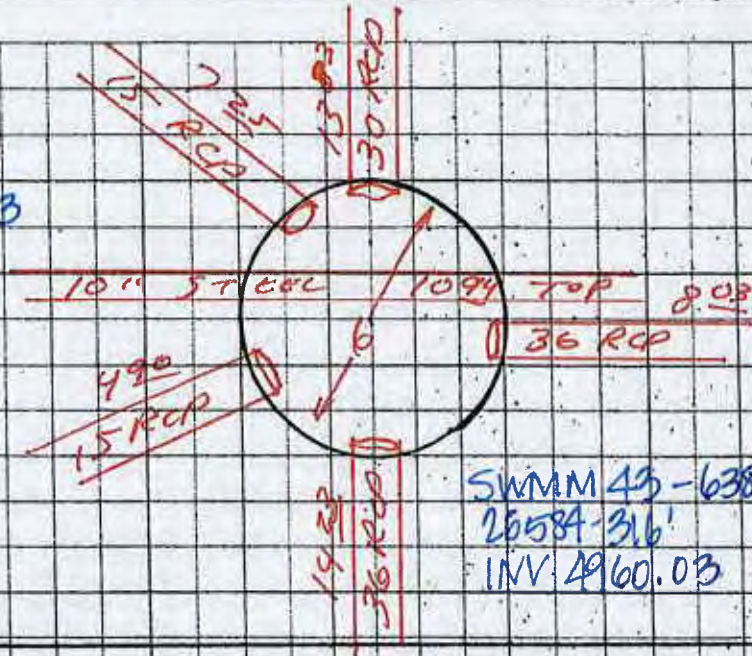
101

Manhole # 15 Location BROADWAY + McKnight Date 4-23-10

Notes _____

COA MH #29132

COA 29132
RIM 4974.26
MH INV 4960.03



1 of 2

36" RCP

Depth

30 RCP

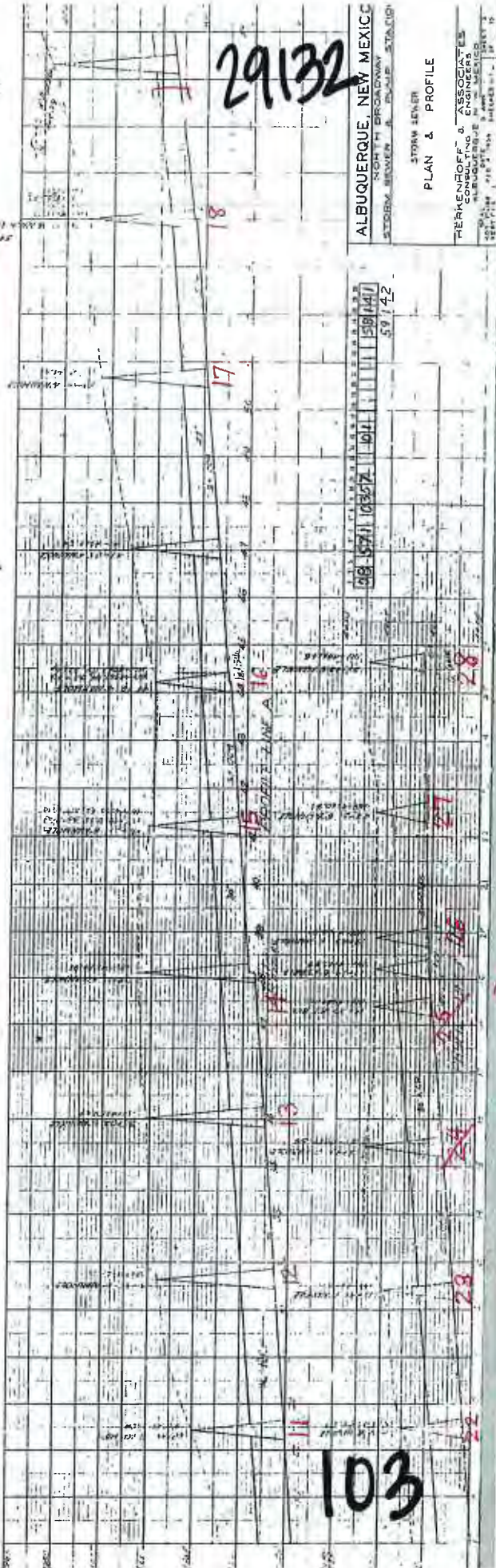
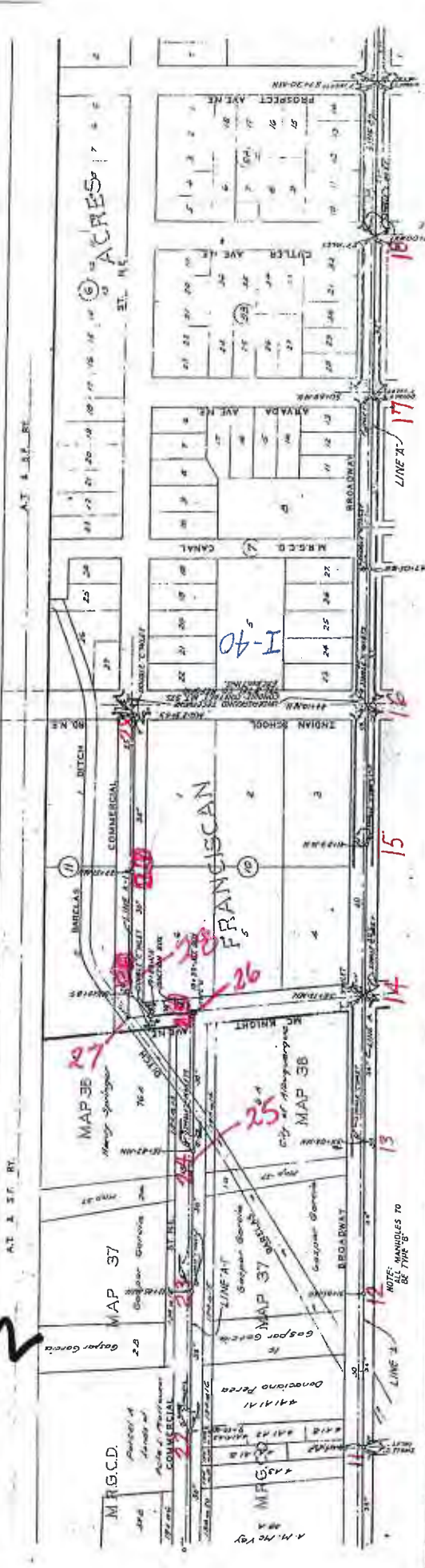
102

Sediment

2 of 2

29132

2



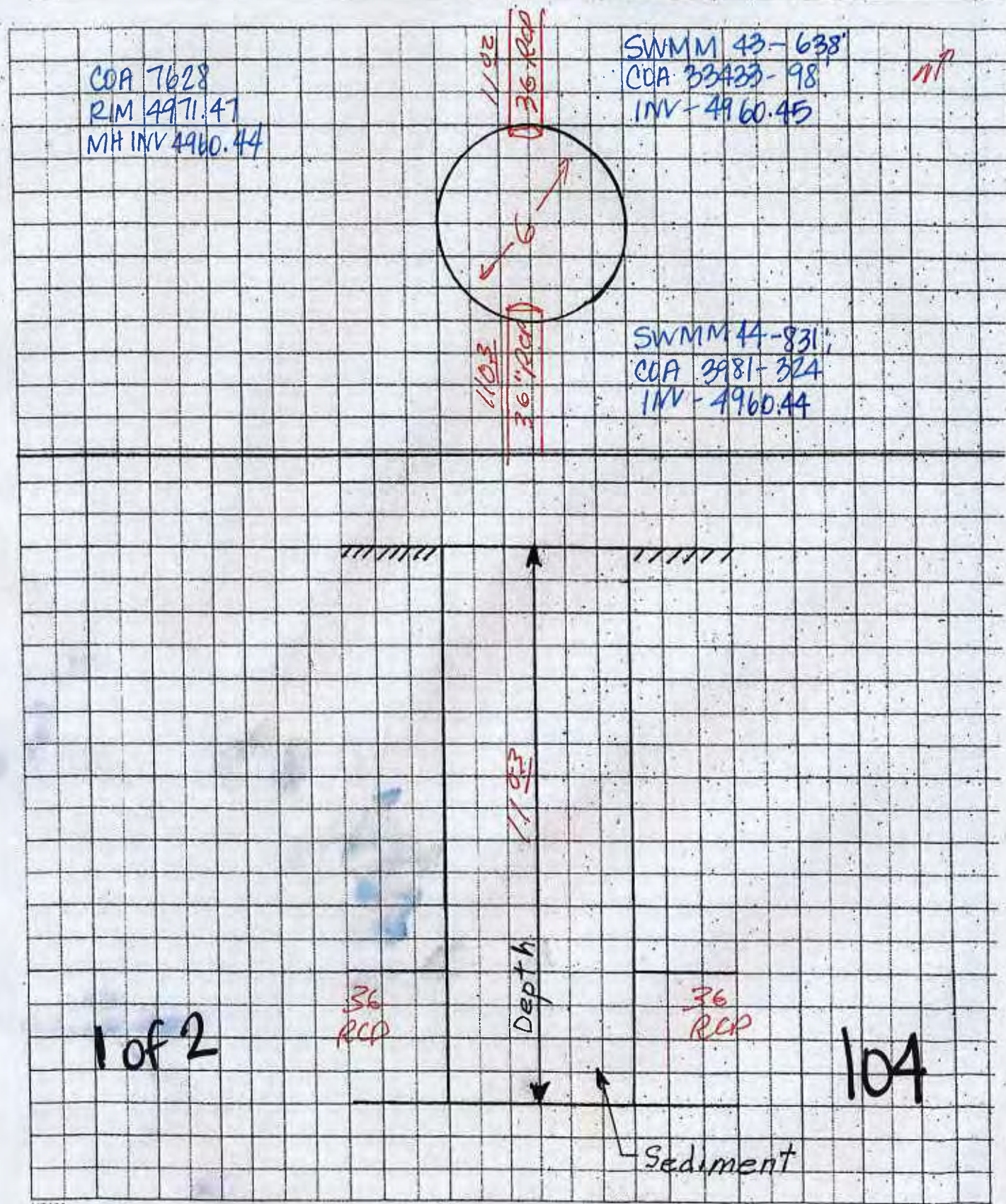
29132

ALBUQUERQUE, NEW MEXICO
STORM SEWER
PLAN & PROFILE
HERKENROFF & ASSOCIATES
ENGINEERS
1001 1ST ST. N.E.
ALBUQUERQUE, N.M.
SERV. NO. 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Manhole # 12 Location BROADWAY + HANNETT Date 4-23-10

Notes N.E. Intersection

COA MH # 7628

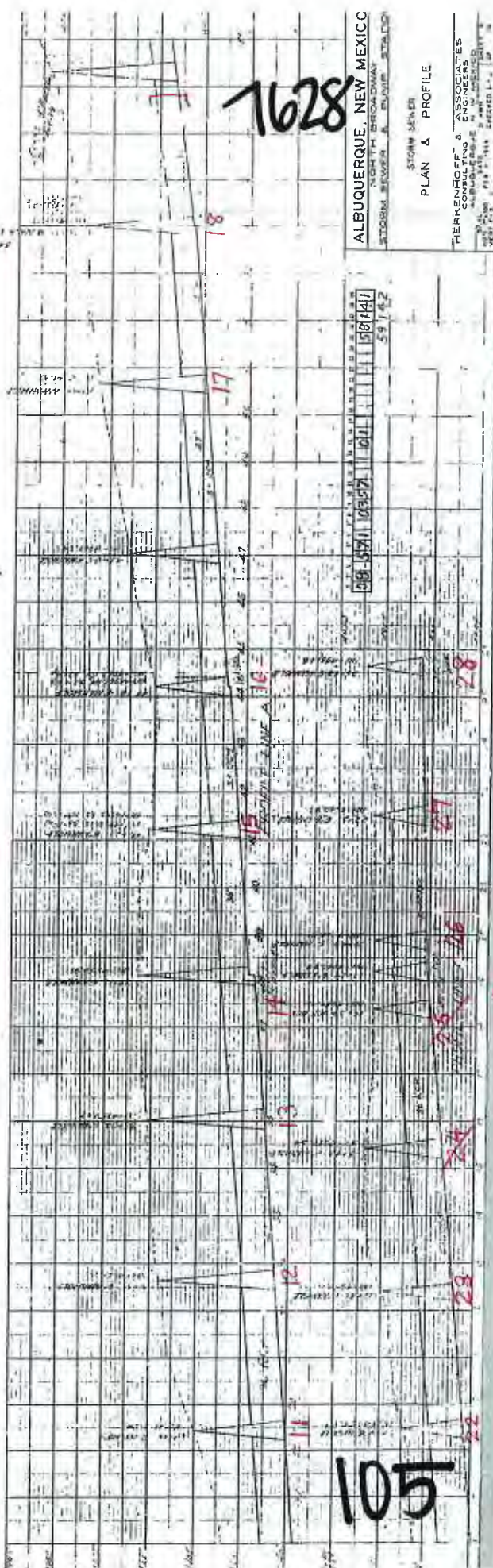
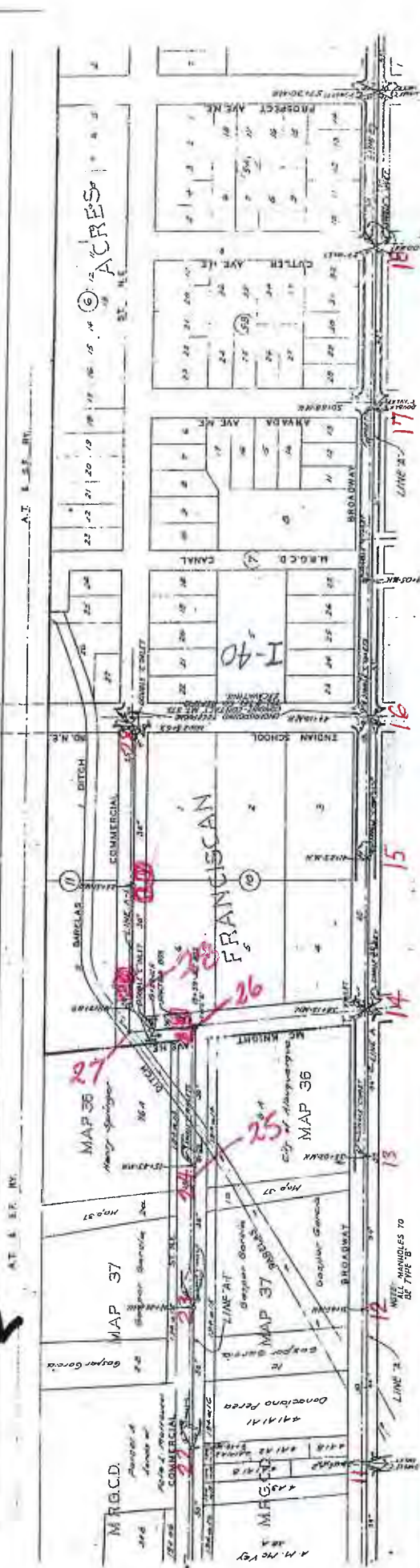


2042

829L



2



105

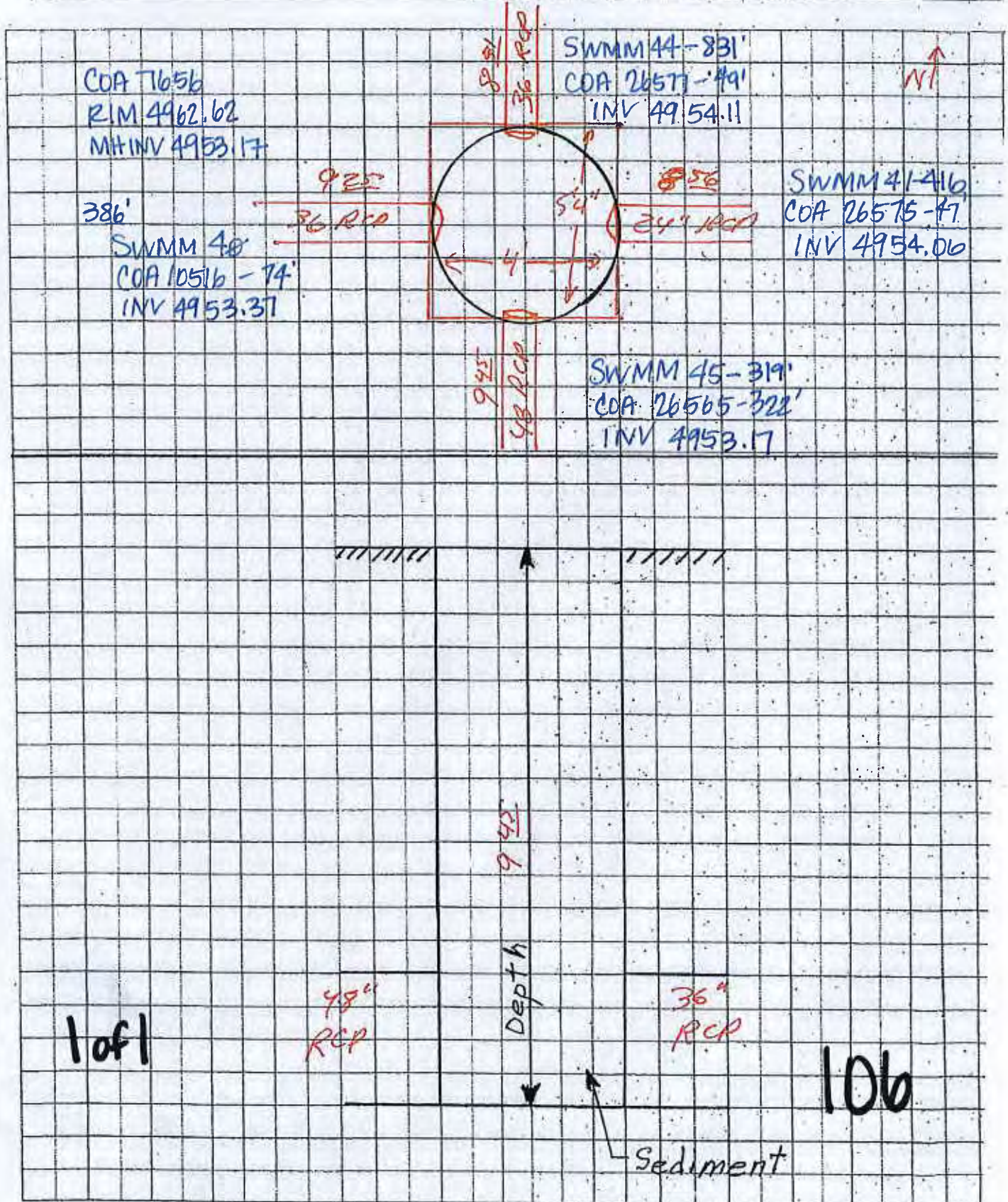
1628

ALBUQUERQUE, NEW MEXICO
STORM SEWER
PLAN & PROFILE
PERKINS & ASSOCIATES
ENGINEERS
ARCHITECTS
PLANNERS
CONSULTANTS
1001 10TH AVENUE, N.W.
ALBUQUERQUE, N.M. 87102
PHONE (505) 261-1111
FAX (505) 261-1112

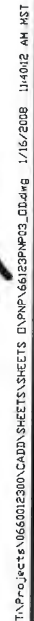
Manhole # 9 Location Broadway + Odessa Date 4.23.10

Notes N.E. Intersection

COA MH # 7656



7963.11A



7963.07	J-
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NO.	DATE	4/1/08	REVIEWED DRAWING	TUA
REVISIONS				
DESIGNED BY: TUA				
DRAWN BY: JLL				
CHECKED BY: JLL				
DATE: JUN 2007				
DATE: JUN 2007				

7963.07	J-
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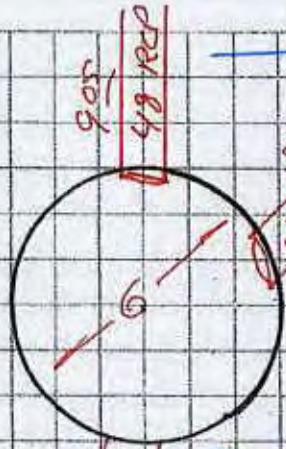
Manhole # 35 Location BROADWAY

Date 4-26-10

Notes North of Mountain

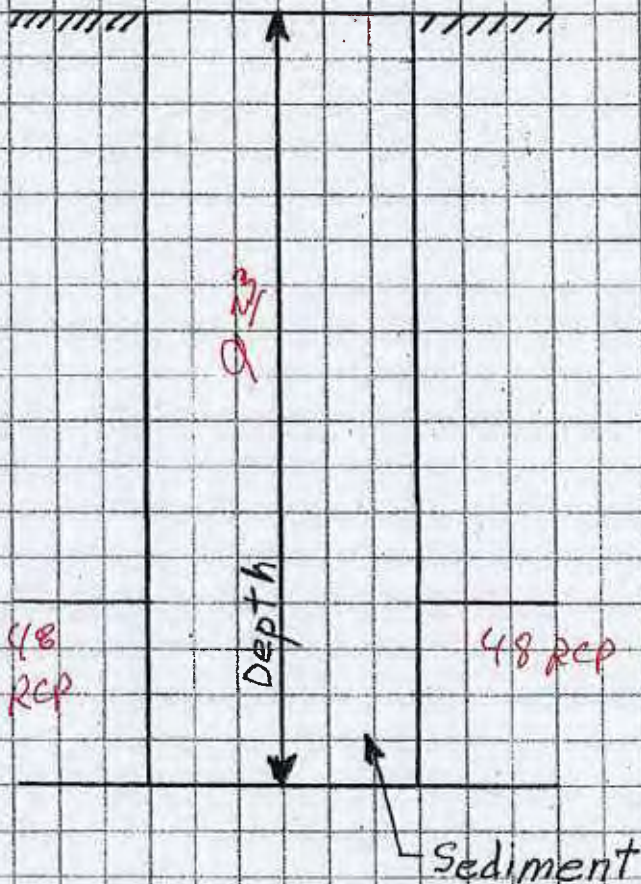
COA MH #7116

COA 7116
RIM 4958.11
MH INV 4948.88



SWMM46-11'
COA 26550-167' **N**
INV-4949.06

SWMM47-725'
COA 31331-28'
INV-4948.88



1 of 2

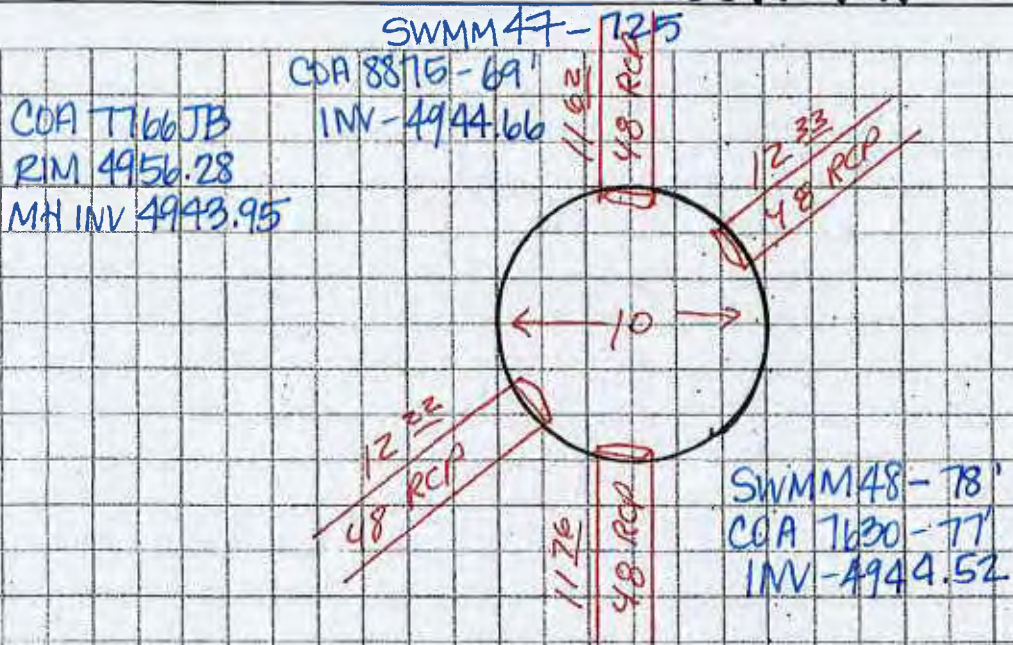
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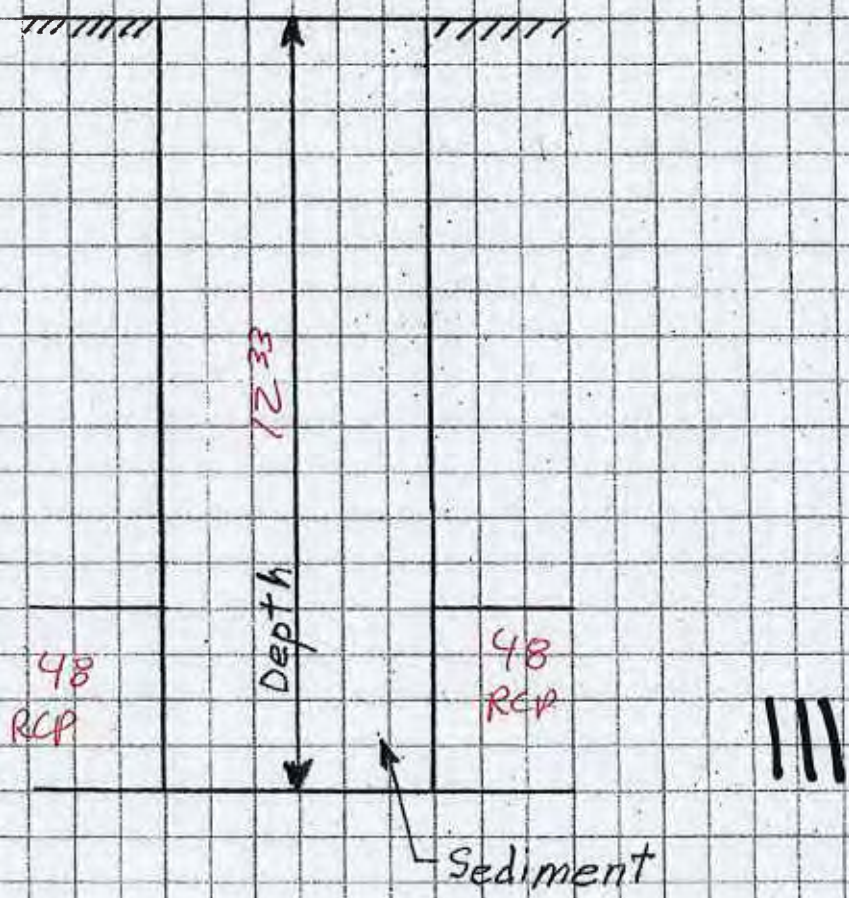
Manhole # #29 Location BROADWAY Date 4-26-10

Notes M.H. Located @ 1014 Broadway

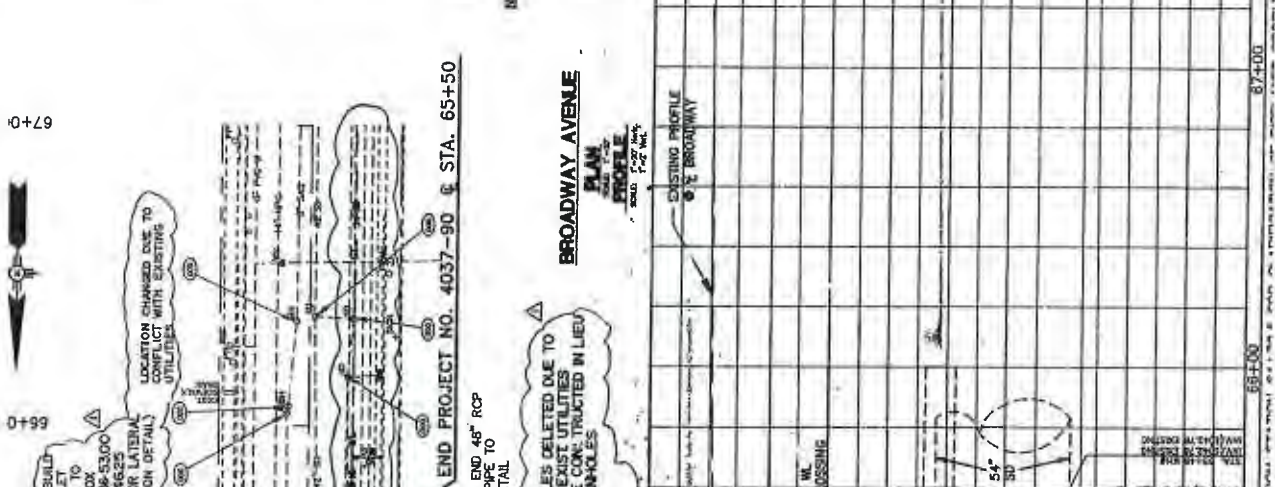
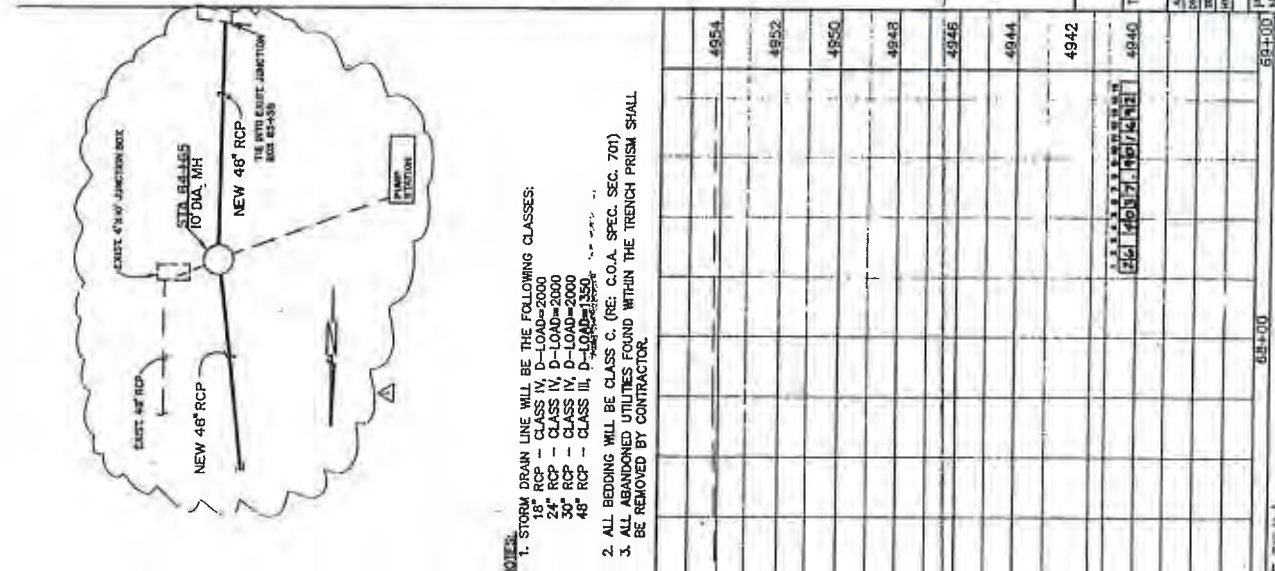
COA MH #T166JB



1 of 2



NO. DATE
 DESIGN
 REMARKS
 BY
 DATE
 CHECKED BY
 DATE
 APPROVED BY
 DATE
 CITY OF ALBUQUERQUE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING GROUP HYDROLOGY DIVISION
 TITLE: **BROADWAY STORM DRAIN**
 STA. 64+00 TO 65+50
 APPROVAL: CHIEF ENGINEER DATE: 04/10/00
 CHIEF HYDROLOGIST DATE: 04/10/00
 CHIEF SANITARY ENGINEER DATE: 04/10/00
 CHIEF ELECTRICAL ENGINEER DATE: 04/10/00
 CHIEF CIVIL ENGINEER DATE: 04/10/00
 CHIEF MECHANICAL ENGINEER DATE: 04/10/00
 CHIEF CHEMICAL ENGINEER DATE: 04/10/00
 CHIEF METALLURGICAL ENGINEER DATE: 04/10/00
 CHIEF INDUSTRIAL ENGINEER DATE: 04/10/00
 CHIEF AERONAUTICAL ENGINEER DATE: 04/10/00
 CHIEF MARINE ENGINEER DATE: 04/10/00
 CHIEF AGRICULTURAL ENGINEER DATE: 04/10/00
 CHIEF MINING ENGINEER DATE: 04/10/00
 CHIEF PETROLEUM ENGINEER DATE: 04/10/00
 CHIEF CHEMICAL ENGINEER DATE: 04/10/00
 CHIEF METALLURGICAL ENGINEER DATE: 04/10/00
 CHIEF INDUSTRIAL ENGINEER DATE: 04/10/00
 CHIEF AERONAUTICAL ENGINEER DATE: 04/10/00
 CHIEF MARINE ENGINEER DATE: 04/10/00
 CHIEF AGRICULTURAL ENGINEER DATE: 04/10/00
 CHIEF MINING ENGINEER DATE: 04/10/00
 CHIEF PETROLEUM ENGINEER DATE: 04/10/00



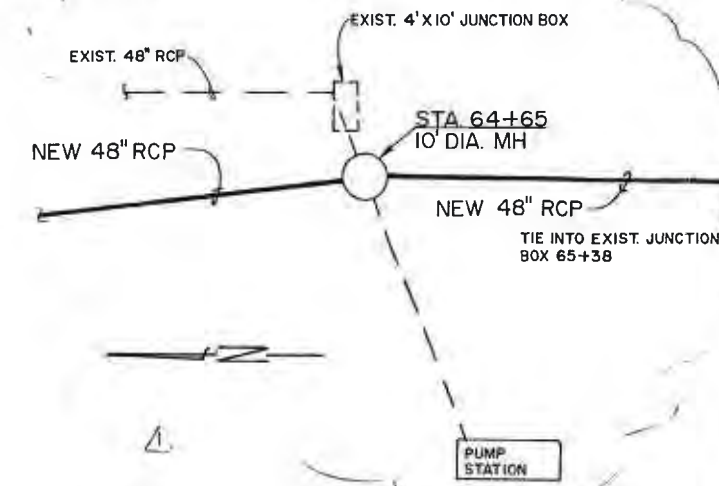
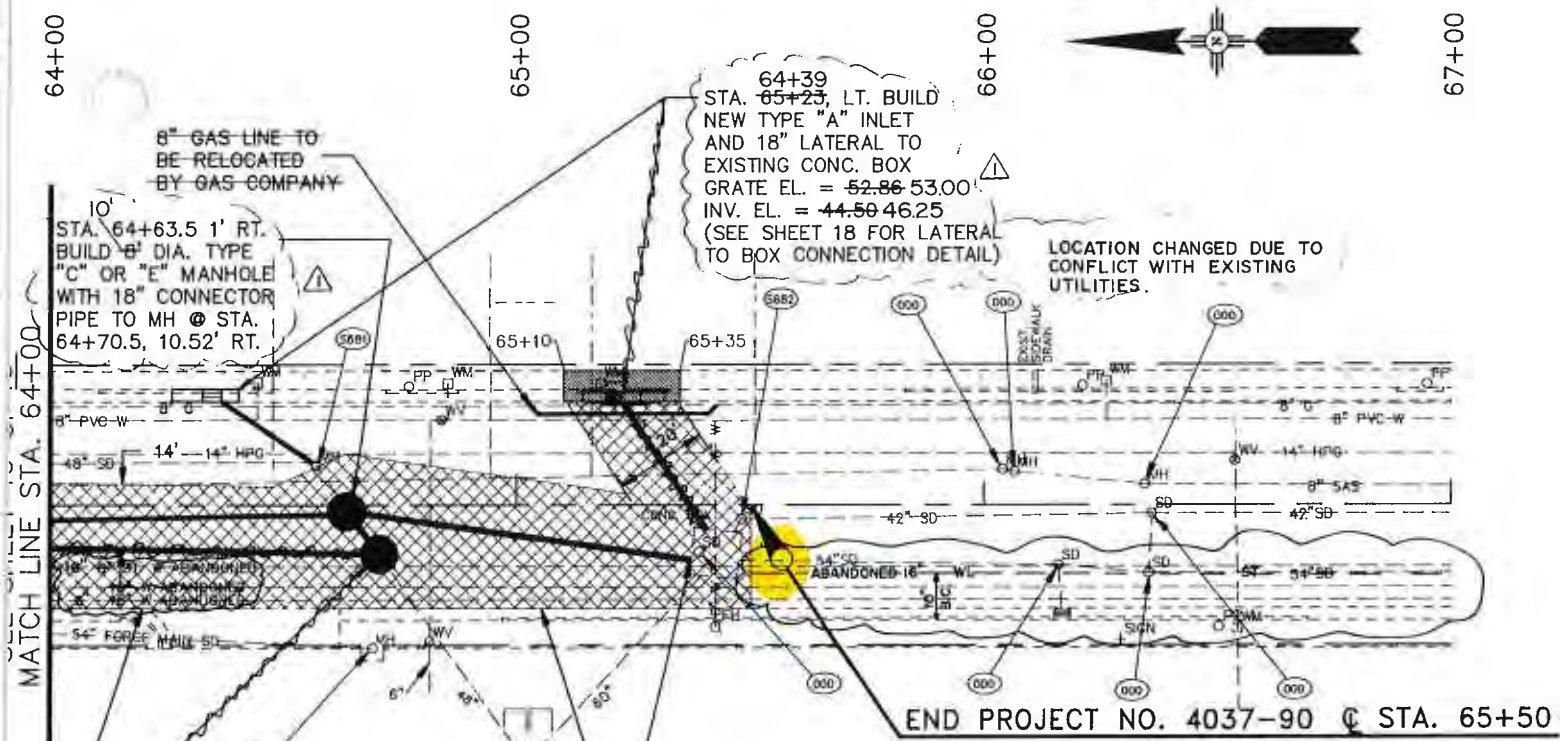
STATION	DESCRIPTION	ELEVATION
64+00	START OF STORM DRAIN	4942
64+10	MANHOLE	4944
64+20	MANHOLE	4946
64+30	MANHOLE	4948
64+40	MANHOLE	4950
64+50	MANHOLE	4952
64+60	MANHOLE	4954
64+70	MANHOLE	4956
64+80	MANHOLE	4958
64+90	MANHOLE	4960
65+00	END OF STORM DRAIN	4962

1. STORM DRAIN LINE WILL BE THE FOLLOWING CLASSES:
 18" RCP - CLASS IV, D-LOAD=2000
 24" RCP - CLASS IV, D-LOAD=2000
 30" RCP - CLASS IV, D-LOAD=2000
 48" RCP - CLASS III, D-LOAD=1350
 2. ALL BEDDING WILL BE CLASS C. (REF. C.O.A. SPEC. SEC. 701)
 3. ALL ABANDONED UTILITIES FOUND WITHIN THE TRENCH PRISM SHALL BE REMOVED BY CONTRACTOR.

MAP
 SHEET
 1766JB

Road Comm 3 of 50

7769JB



LEGEND

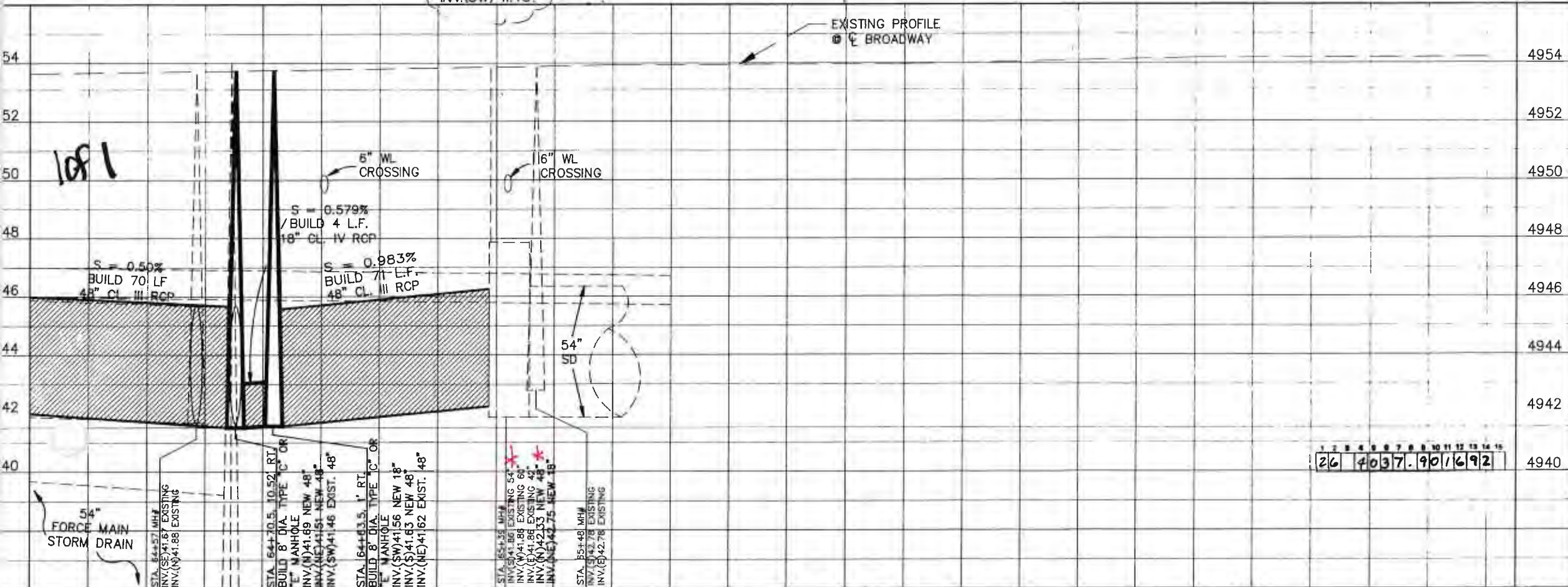
- LIMITS OF PAVEMENT REMOVAL AND REPLACEMENT.
- REMOVE AND REPLACE CURB AND GUTTER
- REMOVE AND REPLACE SIDEWALK/DRIVEPAD
- NEW 48" CL. III STORM SEWER (PROFILE)
- NEW 6" DIA. STORM DRAIN MANHOLE
- NEW STORM INLET TO MANHOLE
- NEW STORM INLET TO WYE
- EXISTING C & G
- EXISTING SANITARY SEWER
- EXISTING WATER LINE
- EXISTING GAS LINE
- EXISTING STORM DRAIN
- EXISTING UNDERGROUND TELEPHONE LINE
- EXISTING UNDERGROUND ELECTRICAL LINE
- EXISTING UNDERGROUND CABLE TV LINE
- EXISTING TRAFFIC SIGNAL CONDUIT
- EXISTING TELEPHONE BOX
- EXISTING STORM DRAIN MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING WATER VALVE
- EXISTING WATER METER
- EXISTING GAS VALVE
- EXISTING GAS METER
- EXISTING FIRE HYDRANT
- POWER POLE
- PEDESTAL SIGNAL
- PULL BOX
- LIGHT POLE
- EXISTING STORM INLET
- EXISTING TREE/SHRUB

COA # 7769JB

- NOTES:
- STORM DRAIN LINE WILL BE THE FOLLOWING CLASSES:
 - 18" RCP - CLASS IV, D-LOAD=2000
 - 24" RCP - CLASS IV, D-LOAD=2000
 - 30" RCP - CLASS IV, D-LOAD=2000
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 - ALL BEDDING WILL BE CLASS C. (RE: C.O.A. SPEC. SEC. 701)
 - ALL ABANDONED UTILITIES FOUND WITHIN THE TRENCH PRISM SHALL BE REMOVED BY CONTRACTOR.

BROADWAY AVENUE

PLAN
SCALE: 1"=20'
PROFILE
SCALE: 1"=20' Horiz., 1"=2' Vert.



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP / HYDROLOGY DIVISION			
TITLE: BROADWAY STORM DRAIN STA. 64+00 TO 65+50			
APPROVALS	ENGINEER	DATE	APPROVALS
ENGINEER	113		ENGINEER
TRANSPORTATION			WATER
HYDROLOGY			WASTE WATER
PROJECT	MAP	SHEET	OF

Manhole # 38 Location Broadway + Marble Date 4-26-10

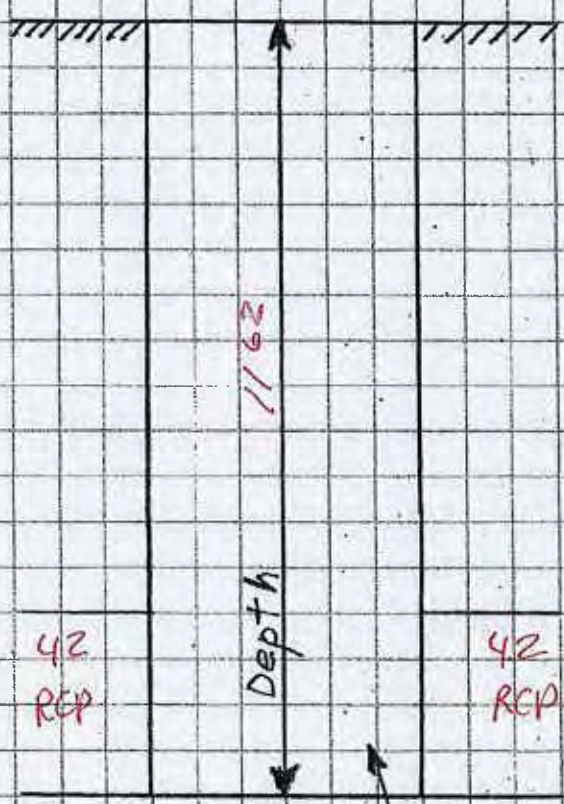
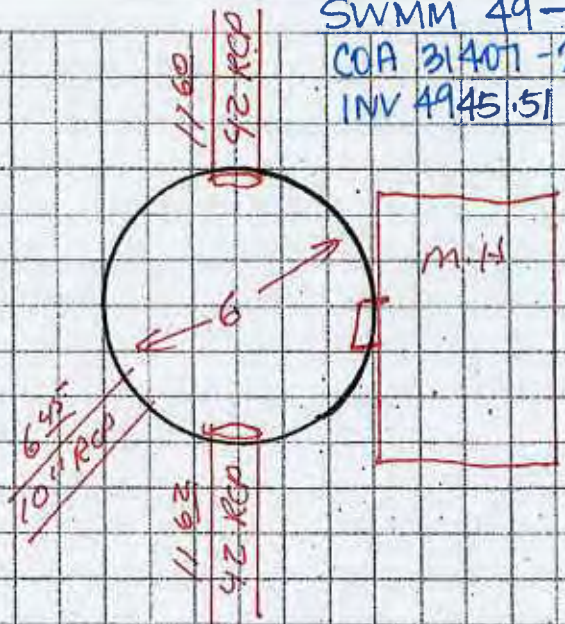
Notes N. Center Intersection

COA MH# 32865

COA 32865
RIM 4957.11
MH INV 4945.49

SWMM 49-307'
COA 31407-291
INV 4945.51

N ↑



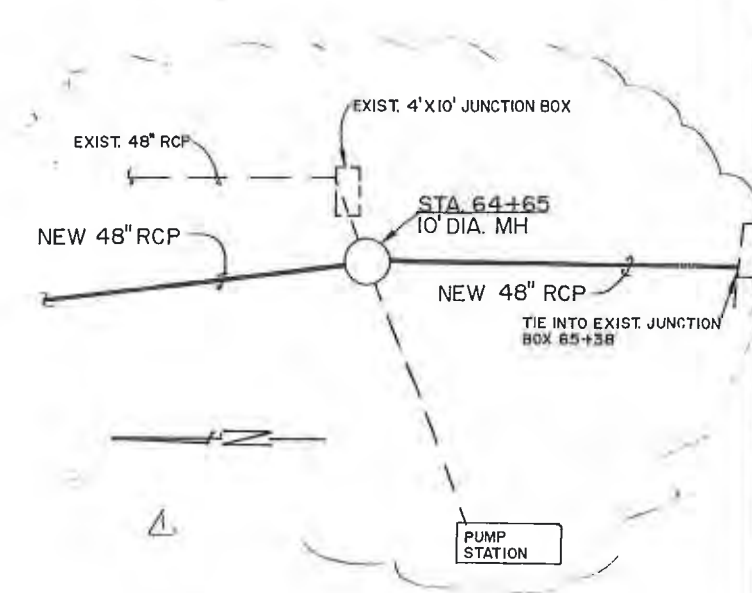
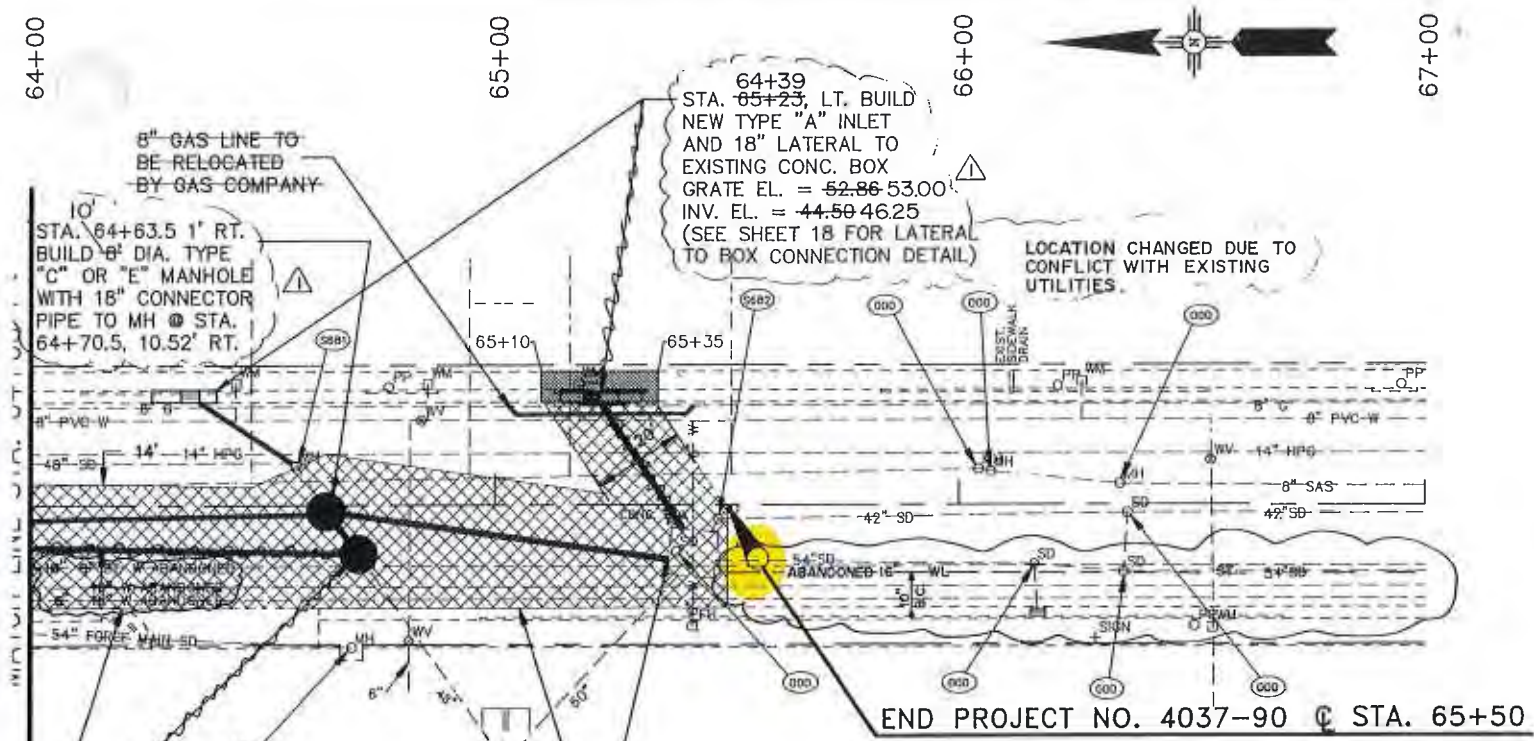
.60
Diet.

1 of 2

114

Sediment

7769JB



LEGEND

- LIMITS OF PAVEMENT REMOVAL AND REPLACEMENT.
- REMOVE AND REPLACE CURB AND GUTTER
- REMOVE AND REPLACE SIDEWALK/DRIVEPAD
- NEW 48" CL. III STORM SEWER (PROFILE)
- NEW 6" DIA. STORM DRAIN MANHOLE
- NEW STORM INLET TO MANHOLE
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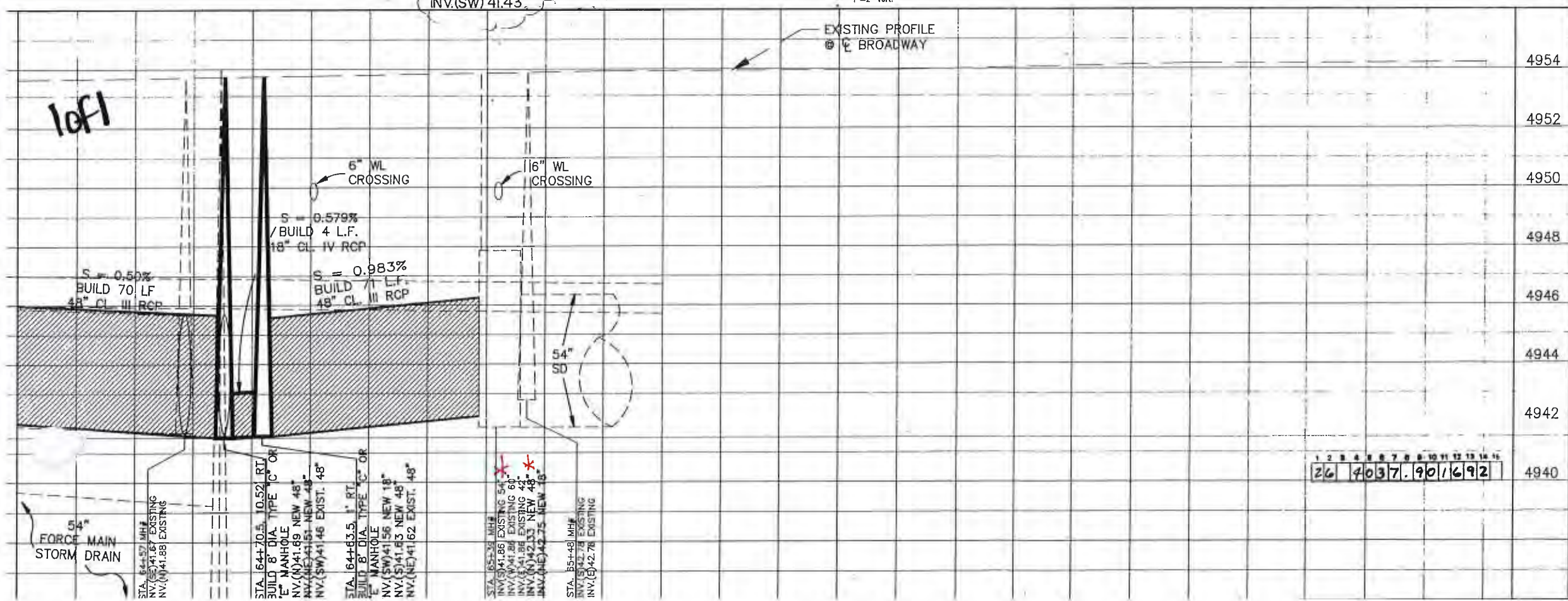
- EXISTING C & G
- EXISTING SANITARY SEWER
- EXISTING WATER LINE
- EXISTING GAS LINE
- EXISTING STORM DRAIN
- EXISTING UNDERGROUND TELEPHONE LINE
- EXISTING UNDERGROUND ELECTRICAL LINE
- EXISTING UNDERGROUND CABLE TV LINE
- EXISTING TRAFFIC SIGNAL CONDUIT
- EXISTING TELEPHONE BOX
- EXISTING STORM DRAIN MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING WATER VALVE
- EXISTING WATER METER
- EXISTING GAS VALVE
- EXISTING GAS METER
- EXISTING FIRE HYDRANT
- POWER POLE
- PEDESTAL SIGNAL
- PULL BOX
- LIGHT POLE
- EXISTING STORM INLET
- EXISTING TREE/SHRUB

RECORD DRAWING
Drawings revised to reflect the best information available. Do not use without field verification.

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24" RCP - CLASS IV, D-LOAD=2000
30" RCP - CLASS IV, D-LOAD=2000
48" RCP - CLASS III, D-LOAD=1350
 - ALL BEDDING WILL BE CLASS C. (RE: C.O.A. SPEC. SEC. 701)
 - ALL ABANDONED UTILITIES FOUND WITHIN THE TRENCH PRISM SHALL BE REMOVED BY CONTRACTOR.

BROADWAY AVENUE

PLAN
SCALE: 1"=20'
PROFILE
SCALE: 1"=20' Horiz., 1"=2' Vert.

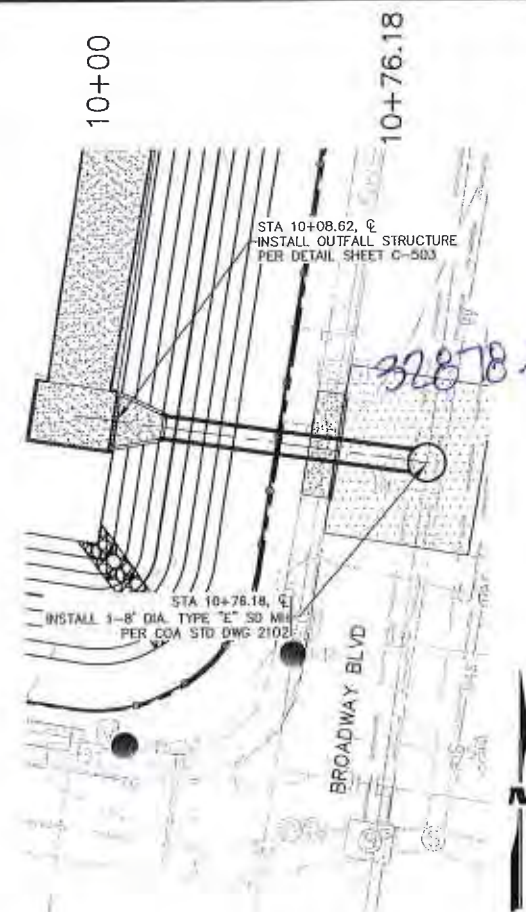


AS BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEER'S SEAL		
CONTRACTOR	J.B. HALE	DATE: 1/1/92	CITY OF ALBUQUERQUE	BENCHMARK NO. 13J14	DATE: 1/1/92	NO.	BY	DATE	NO.	BY	DATE
DESIGNED BY	S.A.M.	DATE: JAN 1992	REMARKS								
DRAWN BY	C.A.D.D./R.K.A.-L.J.S.-A.F.V.	DATE: JAN 1992	REVISIONS								
CHECKED BY	M.W.M.	DATE: JAN 1992	DESIGN								

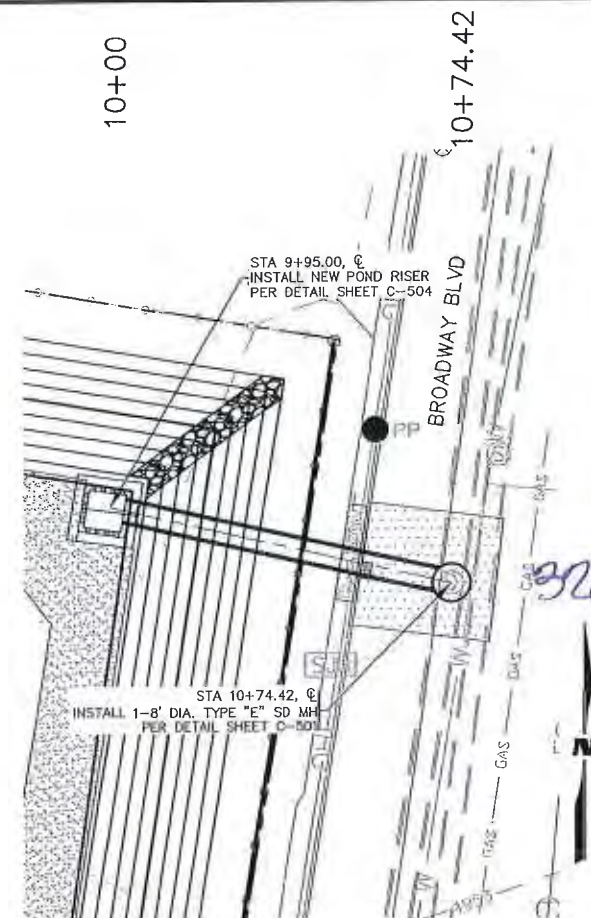
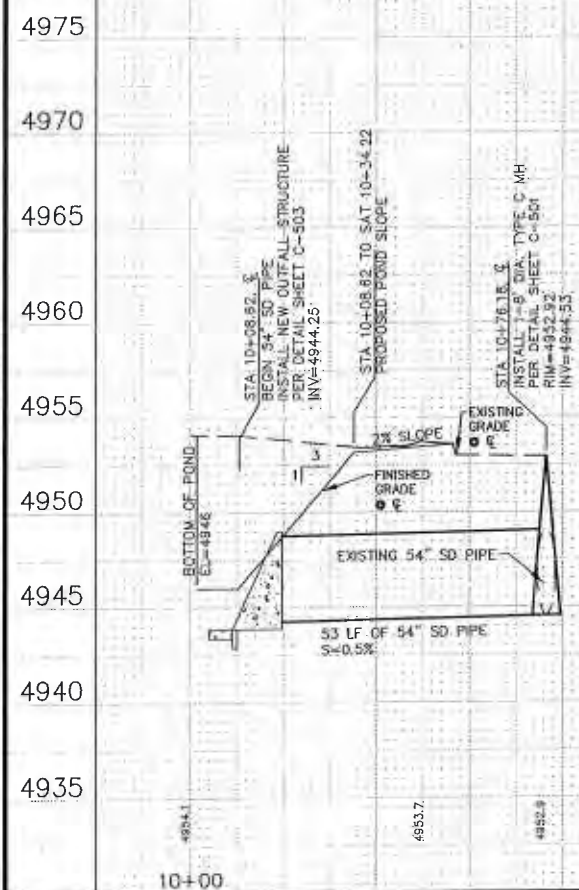
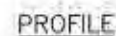
TITLE: BROADWAY STORM DRAIN
STATION: STA. 64+00 TO 65+50

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

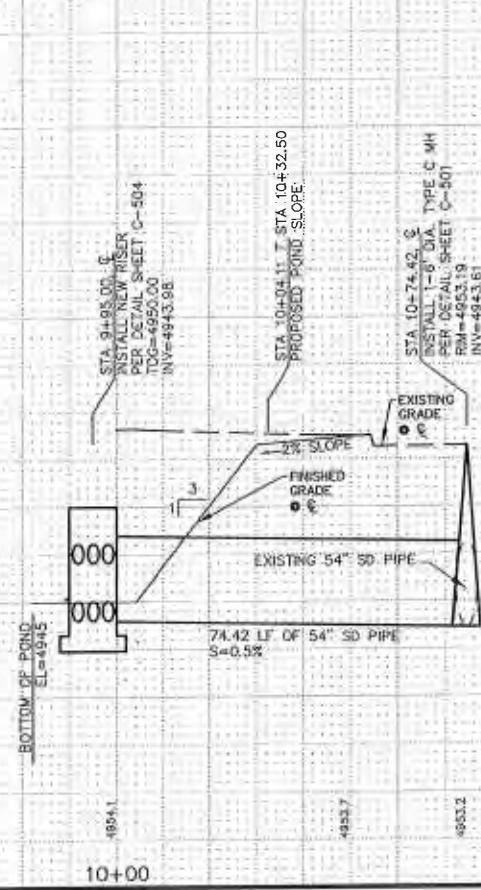
PROJECT: MAP SHEET: OF



PIPE03
PLAN



PIPE04
PLAN



SCALE:
HORIZ: 1" = 20'
VERT: 1" = 5'

LEGEND

- | | |
|--|-------------------------------|
| | CONTROL POINT |
| | POWER POLE |
| | GUY WIRE |
| | ELECTRIC METER |
| | LIGHT POLE |
| | ELECTRIC JUNCTION BOX |
| | SIGNAL LIGHT JUNCTION BOX |
| | TRAFFIC LIGHT POLE |
| | TRAFFIC SIGNAL w/MAST ARM |
| | MONITOR WELL |
| | WATER VALVE |
| | WATER METER |
| | FIRE HYDRANT |
| | VAULT |
| | SANITARY SEWER MANHOLE |
| | SANITARY SEWER CLEANOUT |
| | STORM DRAIN MANHOLE |
| | CURB INLET |
| | TRAFFIC SIGN |
| | BOLLARD |
| | TELEPHONE MANHOLE |
| | UNDERGROUND GASLINE |
| | UNDERGROUND ELECTRIC |
| | OVERHEAD ELECTRIC |
| | FIBER OPTIC LINE |
| | WATER LINE |
| | CHAINLINK FENCE |
| | GUTTER |
| | INDEX CONTOUR |
| | INTERMEDIATE CONTOUR |
| | PROPOSED INDEX CONTOUR |
| | PROPOSED INTERMEDIATE CONTOUR |
| | PROPOSED ASPHALT |
| | PROPOSED CONCRETE |
| | PROPOSED REPRAP |
| | PROPOSED CHAINLINK FENCE |
| | PROPOSED GUTTER & GUTTER |
| | PROPERTY LINE |

**WILSON
& COMPANY**
1000 LANG AVE., NE
SUITE 100
ALBUQUERQUE, NEW MEXICO 87102



TITLE: POST OFFICE DETENTION POND
PIPE PLAN AND PROFILES

Design Review Committee	City Engineer Approval
-------------------------	------------------------

5 117

City Project No. 7963.94

Zone Map No.
J-14

Sheet 01 of C-401

[illegible]

Manhole # 2 Location LOMAS & BROADWAY

Notes Northwest Intersection SB Lane

COA MH #32878

