CITY OF ALBUQUERQUE, NEW MEXICO
DEPARTMENT OF PUBLIC WORKS

ARTERIAL STREET IMPROVEMENTS
STAGE TO PERMANENT CONSTRUCTION

MONTGOMERY BOULEVARD

SHD D00386

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WILLIAM MATOTAN & ASSOCIATES, INC.
ENGINEERS
ALBUQUERQUE NEW MEXICO

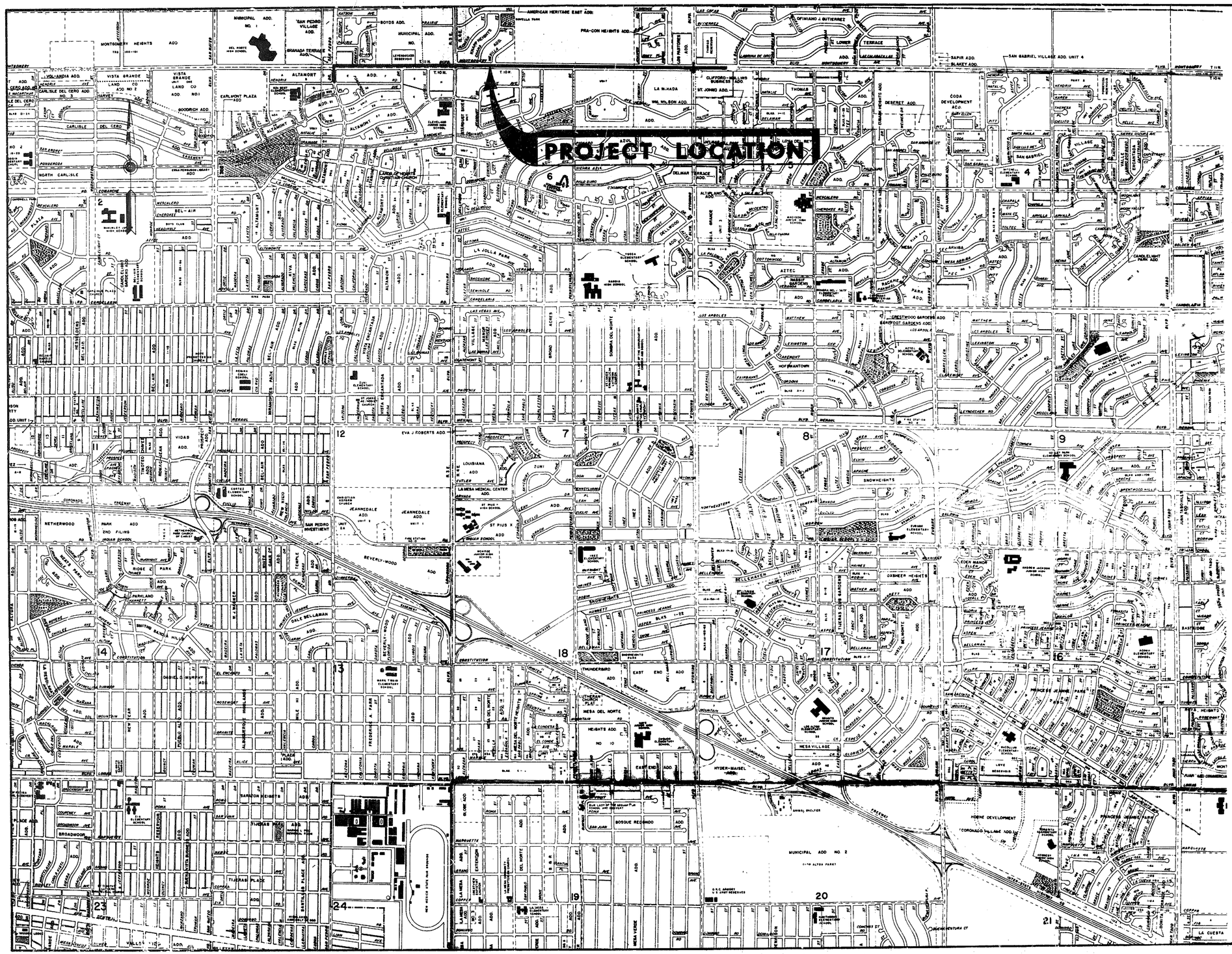
REGISTERED PROFESSIONAL ENGINEER STATE OF NEW MEXICO No. 1593 WILLIAM MATOTAN

AS BUILT

10 00 1 01 73 20 20

ENGRS. FILE No. 72-381

SET No. _____


PROJECT LOCATION
MONTGOMERY BLVD
TRAMWAY
CARLISLE
LOUISIANA
JUAN TABO
WYOMING
EUBANK
SAN MATEO
SAN PEDRO
CARLISLE DEL CERO ADD
MONTGOMERY HEIGHTS ADD
VISTA GRANDE LAND CO ADD NO 1
VISTA GRANDE LAND CO ADD NO 2
VOLCANIA ADD
MUNICIPAL ADD NO. 1
SAN PEDRO VILLAGE ADD.
GRANADA TERRACE ADD.
BOYDS ADD.
MUNICIPAL ADD. NO.
AMERICAN HERITAGE EAST ADD.
PRA-CON HEIGHTS ADD.
OFINIANO J GUTIERREZ
LOS OJOS ADD.
SAN GABRIEL VILLAGE ADD. UNIT 4
CODA DEVELOPMENT ADD.
DESERET ADD.
CLIFFORD-WILLIAMS BUSINESS
ST. JOHNS ADD.
LA MIRADA
CARLMONT PLAZA ADD
ALTAMONT
HENDRIX
THOMAS
SAN GABRIEL
SANTA PAULA
SEVILLE
SIERRA GLORIA
VILLAGE
ARVILLA
TOLTEC
CHARLO
CHEROKEE RD
MESA ARRIBA
CANDLELIGHT PARK ADD
DELMAR TERRACE ADD.
LA LOMA ADD
LA LOMA GRANDE UNIT 3
LA LOMA GRANDE UNIT 2
LA LOMA GRANDE UNIT 1
MERCEDES
WESTERN HILLS ADD
PALO DURO
CHAMONIX CT
DELWOOD
CHEROKEE
LA JOLLA PARK ADD
LA JOLLA
UTONA
SEMINOLE
CANDELARIA
COTTONWOOD
AZTEC
MESA VILLAGE
LOS ARBOLES
CRESTWOOD GARDENS ADD
SANDPOINT GARDENS ADD
LEXINGTON
HOT SPRINGTOWN
FAIRBANKS
CORDOVA
MATTHEW
WESTERN SKIES
LOS ALTOS
LOS ALTOS PARK
EVA J ROBERTS ADD
VIDAS ADD.
PROSPECT
LOUISIANA ADD
LA MESA MEDICAL CENTER ADD.
ZUNI
ST PIUS X ADD
JEANNEDALE ADD
JEANNEDALE ADD UNIT 1
NETHERWOOD
PARK ADD 2ND FILING
SAN PEDRO INVESTMENT
BEVERLY-WOOD ADD
RIDGE CREST ADD
PARK ADD
PARKLAND HILLS ADD
SKYLINE HILLS ADD
SUNSET SANDIA HILLS ADD
DANIEL C MURPHY ADD
EL ENCANTO
ROSEMONT
MESA HI ADD
MOUNTAIN VIEW ADD
CRYSTAL MARBLE ADD
PLAZA ADD
BARNSON HEIGHTS
TIJERAS PLACE
BROADMOOR
COURTNEY
SUNSET
CORONADO
CONSTITUTION
THUNDERBIRD ADD
EAST END ADD
MESA DEL NORTE
MESA DEL NORTE HEIGHTS ADD
HEIGHTS ADD NO 10
LUTHERAN CHURCH PLAT
BOSQUE REDONDO
MUNICIPAL ADD NO. 2
HYDER-MAISEL
ARNOLD SHELTER
BELLEHAVEN
BELLEHAVEN ESTATES
DEBNER HEIGHTS
EDEN MANOR ESTATES
ADDN
PRINCESS JEANNE
PRINCESS JEANNE PARK
ASPEN
ROBIN
SNOWHEIGHTS
HOBBS DEVELOPMENT
CORONADO VILLAGE ADD NO 2
MONTE VISTA
MONTE VISTA TERRACE
LA CUESTA
LA CUESTA C
SAN ANTONITO
SAN ANTONITO CT
SAN MATEO MANOR ADD
SAN GABRIEL
SAN JACINTO
SAN JACINTO CT
SAN ANDRES
SAN ANDRES CT
SAN ANDRES PL
SAN ANDRES PARK
SAN ANDRES PARK ADD
SAN ANDRES PARK UNIT 2
SAN ANDRES PARK UNIT 3
SAN ANDRES PARK UNIT 4
SAN ANDRES PARK UNIT 5
SAN ANDRES PARK UNIT 6
SAN ANDRES PARK UNIT 7
SAN ANDRES PARK UNIT 8
SAN ANDRES PARK UNIT 9
SAN ANDRES PARK UNIT

| BID ITEM NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 19 | 20 | 21 | 22 | 24 | 25 | 26 | 27 | 28 | 32 | 31 | 33 | 42 | 43 | 44 | 45 | 46 | 47 | 19 | 29 | 30 | 34 | 35 | 36 | 23 | 38 | 39 | 40 | 41 | | |

NOTES:
1. Remove and replace existing pavement, curb & gutter and sidewalk as shown from Sta. 6+38 to Sta. 9+60.
2. New driveways are to be constructed to match existing driveways.
3. Existing asphalt parking areas are to be removed and replaced 10' behind curb.

NOTE:
Traffic signal bases to be removed and replaced at locations directed in field @ San Pedro intersection. Contractor to replace conduit as required.

BENCHMARK:
Nail & Shiner @ intersection of Montgomery Blvd. N.E. and San Pedro Dr. N.E. Elev. 5254.29

PLAN
SCALE 1"=50'

NOTE:
Shaded areas to be constructed with new arterial standard asphalt pavement.

Remove existing curb returns Install new 25' Radius Returns Typical 4 Corners.

Existing asphalt curb & gutter & earth median to be removed as shaded

NOTE: Allgrades and elevations shown are at Flow line. For top of curb elevations add 0.50'

Existing curb & gutter to remain. (Typ.)

PROFILE
SCALE 1"=5' Vert.
1"=50' Horiz.

NOTE:
All grades and elevations shown are at Flow line. For top of curb elevations add 0.50'

NOTE:
Shaded areas to be constructed with new arterial standard asphalt pavement.

PLAN
SCALE 1"=50'

PROFILE
SCALE 1"=5' Vert.
1"=50' Horiz.

AS BUILT

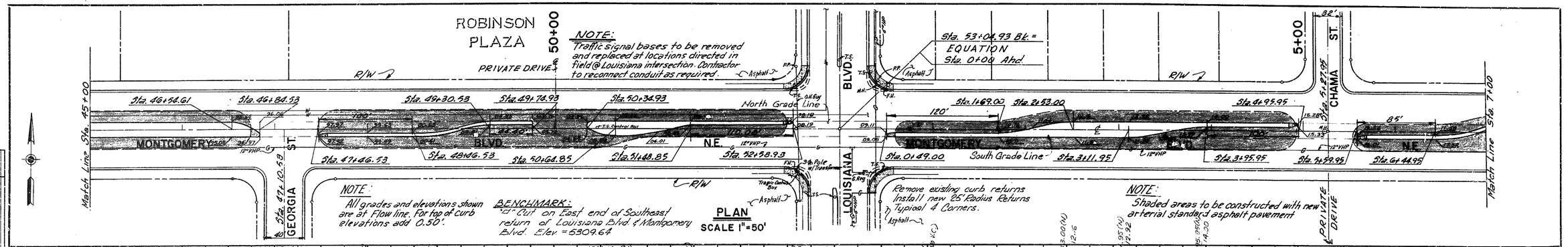
No.	DESCRIPTION	DATE	BY
4			
3			
2	Median opening added @ Sta 32+06.55	24 Apr 73	D.F.
1	Median opening added @ Sta 36+88.00	24 Apr 73	D.F.

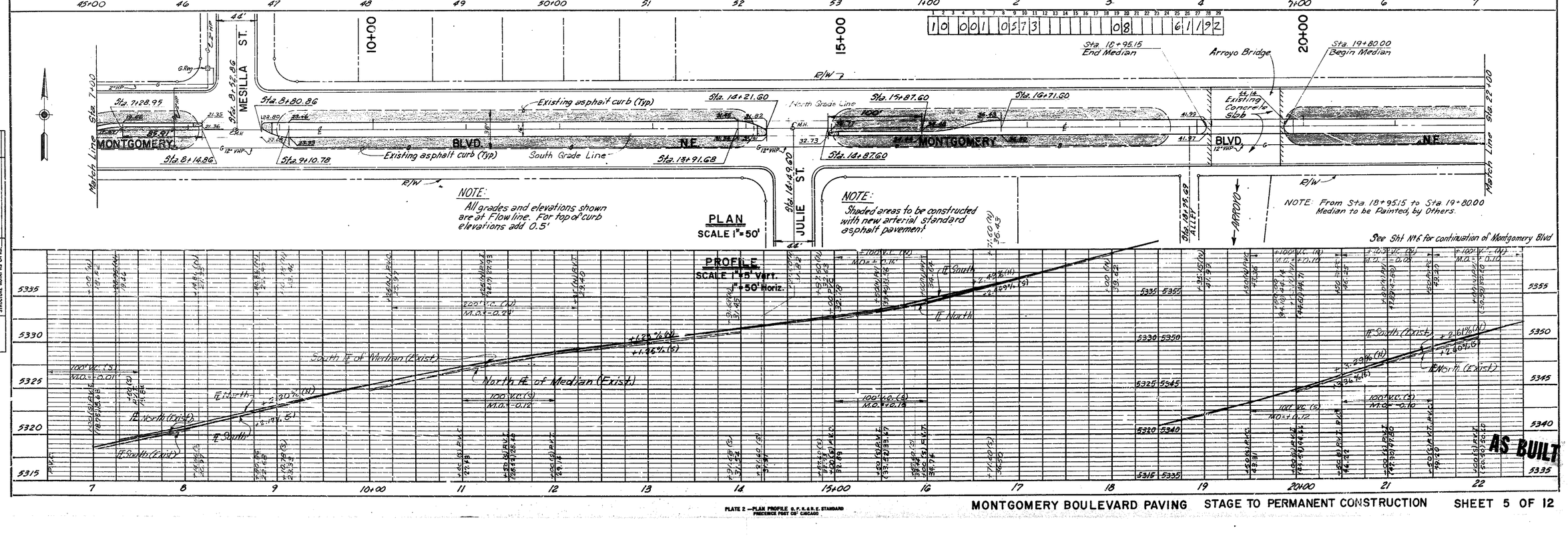
REVISIONS (OR CHANGE NOTICES)

PLAN / PROFILE — SURVEYED, PLOTTED, DRAWN, CHECKED, ALIGNMENT CHECKED, QTY. OF MAT CHECKED, NOTE BOOK, NO., STRUCTURE NOTATING CHK'D., DATE, BY

PLATE 2 — PLAN PROFILE O. F. R. & R. E. STANDARD FREDERICK POST CO. CHICAGO

SAN PEDRO DRIVE, MONTGOMERY BOULEVARD PAVING STAGE TO PERMANENT CONSTRUCTION SHEET 4.1 OF 12





PLAN — SURVEYED, PLOTTED, LAYOUT CHECKED, R/W & STRUCTURE NOTATIONS CHKD., NOTE BOOK, NO., BY, DATE

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, R/W & STRUCTURE NOTATIONS CHKD., NOTE BOOK, NO., BY, DATE

PLATE 2 —PLAN PROFILE O. P. R. & R. E. STANDARD PRECERCE POST CO. CHICAGO

MONTGOMERY BOULEVARD PAVING STAGE TO PERMANENT CONSTRUCTION SHEET 5 OF 12

NOTE:
Traffic signal boxes and conduits to be constructed as shown at Montgomery Blvd. and Pennsylvania St. intersection.

Remove existing curb returns. Install new 25' Radius Returns Typical 2 Corners. South side of intersection.

NOTE:
Shaded areas to be constructed with new arterial standard asphalt pavement

NOTE:
All grades and elevations shown are at Flow line. For top of curb elevations add 0.5'

PLAN
SCALE 1"=50'

PROFILE
SCALE 1"=5' Vert.
1"=50' Horiz.

No.	DESCRIPTION	DATE	BY
4			
3			
2	Median opening added @ Sta 29+70.94	23 May 73	SNM
1	Provide humbays @ Sta 46+71.20 & Sta 49+72.70	17 Apr 73	D.F.

REVISIONS (OR CHANGE NOTICES)

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, NOTE BOOK, NO., DATE, BY

See Sht No 7 for continuation of Montgomery Blvd

Remove existing curb returns. Install new 25' Radius Returns Typical 4 Corners.

NOTE:
Shaded areas to be constructed with new arterial standard asphalt pavement.

NOTE:
All grades and elevations shown are at Flow line. For top of curb elevations add 0.5'

BENCHMARK:
"O" Cut on South end of Southeast curb return @ Intersection Wyoming Blvd. & Montgomery Blvd. Elev.=5431.57

PLAN
SCALE 1"=50'

PROFILE
SCALE 1"=5' Vert.
1"=50' Horiz.

AS BUILT

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, R. W.'s NOTED, STRUCTURES, UTILITIES CHKD., NOTE BOOK, NO., DATE, BY

PLATE 2 —PLAN, PROFILE C.P.P.&B.E. STANDARD FREDERICK PRINT CO., CHICAGO

NOTE:
Traffic signal bases to be removed and replaced at locations directed in the field @ Wyoming intersection. Contractor to reconnect conduit as required.

Remove existing curb inlets. Build 3-4'dia Type"C"manholes over existing inlet lines as shown. Connect manholes to new curb inlets with 18" RCP.

Remove existing curb returns. Install new 25' radius returns, Typical 4 corners.

BENCHMARK:
□"Cut on South End S.E. Return T.C. of WYOMING and MONTGOMERY
Elev. = 5431.57

NOTES:
Shaded areas to be constructed with new arterial standard asphalt pavement. See Typical Intersection Detail Wyoming Blvd - East.
South curb from Wyoming - East not to be constructed this contract.

NOTE:
All grades and elevations shown are at Flow line. For top of curb elevations add 0.50'

PLAN
SCALE 1"=50'

PROFILE
SCALE 1"=5' VERT
1"=50' HORIZ

NOTE: South curb not to be constructed this contract

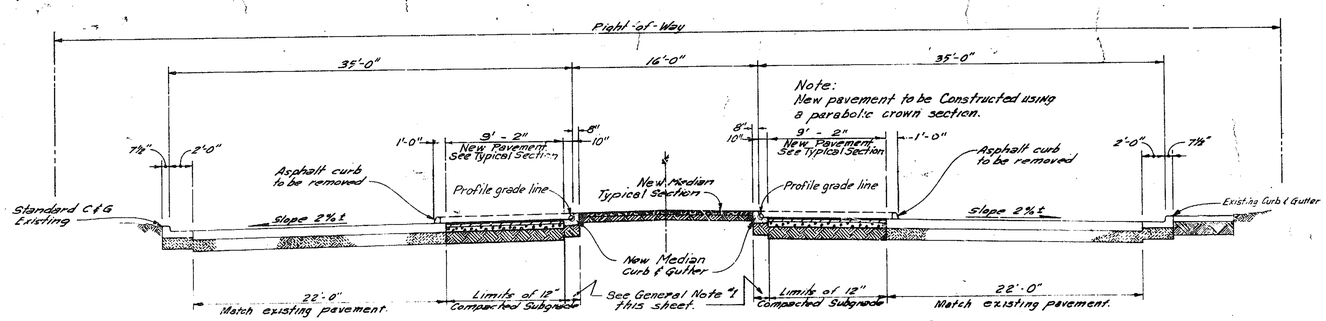
PLAN
SCALE 1"=50'

PROFILE
SCALE 1"=5' VERT
1"=50' HORIZ

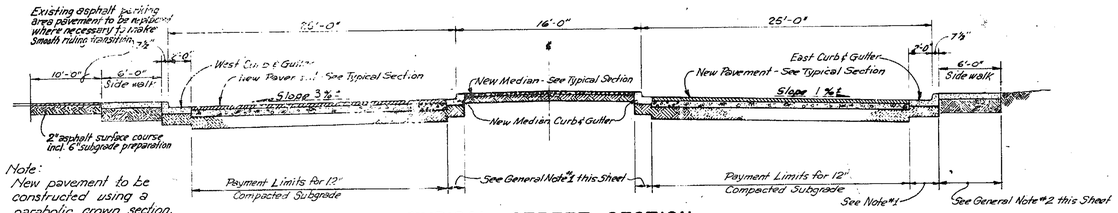
AS BUILT

PLATE 2 —PLAN PROFILE O. P. R. & R. E. STANDARD FREDERICK POST CO. CHICAGO

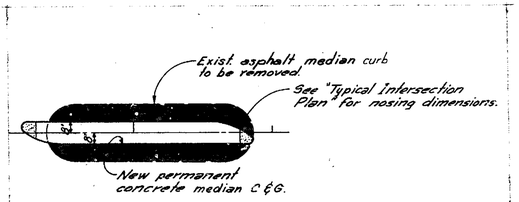
MONTGOMERY BOULEVARD, WYOMING BOULEVARD PAVING STAGE TO PERMANENT CONSTRUCTION SHEET 7 OF 12



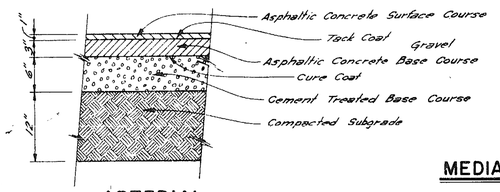
TYPICAL STREET SECTION
MONTGOMERY BOULEVARD



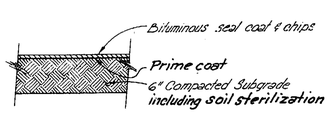
TYPICAL STREET SECTION
SAN PEDRO DRIVE



TYPICAL MEDIAN LAYOUT
NO SCALE



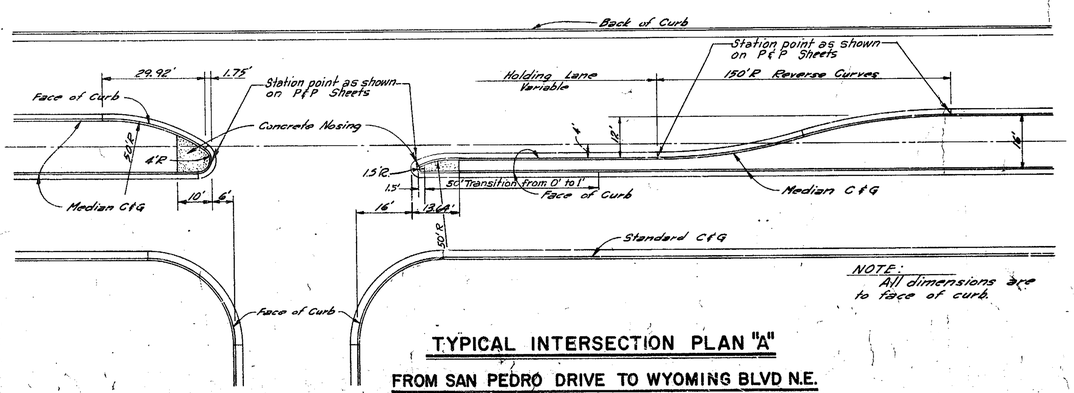
ARTERIAL
STREET PAVEMENT SECTION



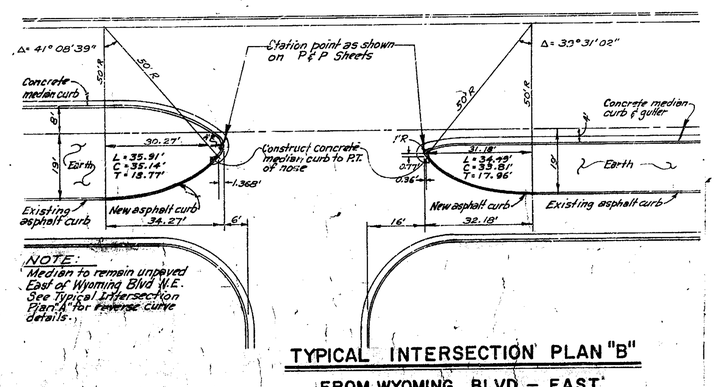
MEDIAN PAVEMENT SECTION

GENERAL NOTES

1. Payment for subgrade preparation under curb and gutter to be included under curb and gutter bids.
2. Payment for subgrade preparation under sidewalks and driveway slabs shall be included with sidewalk and driveway bid items.
3. Lips of gutter to be warped where needed to insure drainage across intersection.



TYPICAL INTERSECTION PLAN "A"
FROM SAN PEDRO DRIVE TO WYOMING BLVD N.E.



TYPICAL INTERSECTION PLAN "B"
FROM WYOMING BLVD – EAST

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29

1 0 0 0 1 0 8 7 3 1 0

AS BUILT

Disregard Notes and Details not applicable to this contract

ALBUQUERQUE, NEW MEXICO

ARTERIAL STREET IMPROVEMENTS
STAGE TO PERMANENT CONSTRUCTION
MONTGOMERY BOULEVARD
PAVING DETAILS

SHEET 8 OF 12

WILLIAM MATOTAN & ASSOCIATES, INC – ENGINEERS
ALBUQUERQUE, NEW MEXICO

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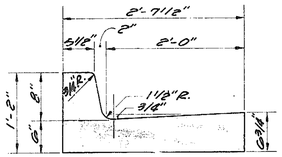
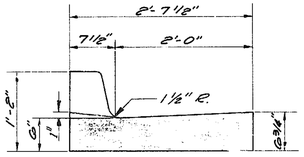
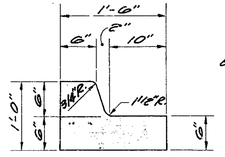
72-381	TRACED	APPROVED J.A.	SCALE NONE



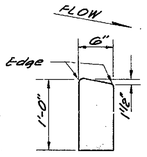
STANDARD CURB & GUTTER



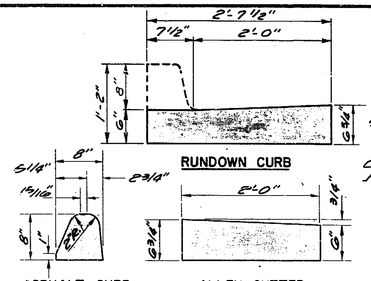
LAYDOWN CURB

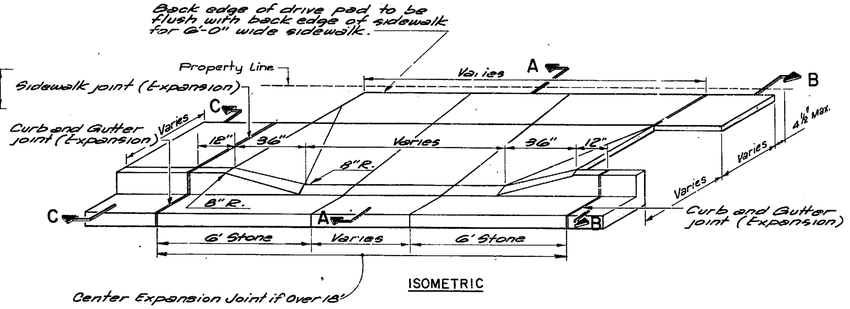


MEDIAN CURB & GUTTER



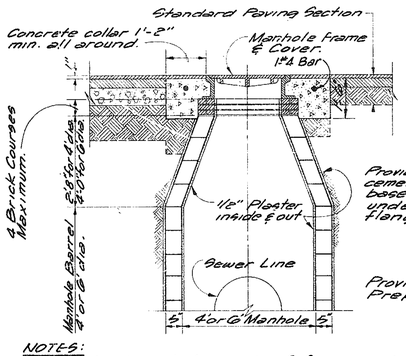
HEADER CURB

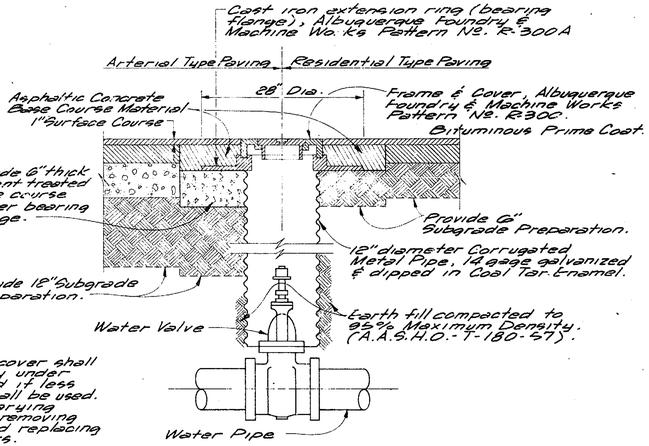




ISOMETRIC

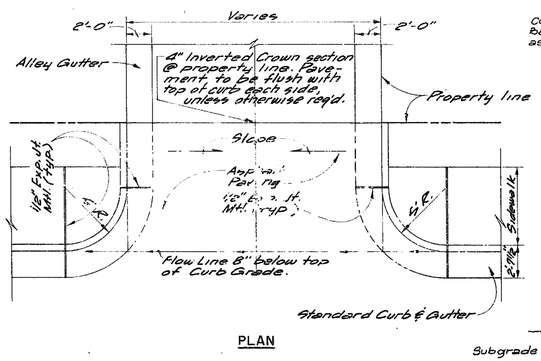
TYPICAL CURB & GUTTER DETAILS





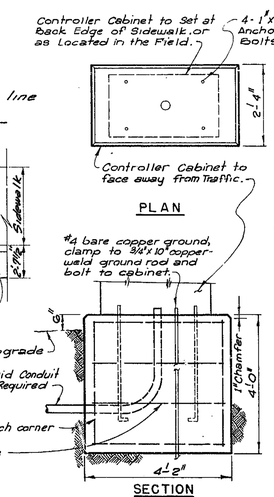
NOTES:
Adjustment to grade of frame and cover shall be made by varying brick courses directly under frame using four courses maximum and if less than one course is required, grout only shall be used. Greater adjustment requirements than varying brick courses will allow shall be made by removing the cone, adjusting the barrel height, and replacing the cone. See Specs. for other requirements.

MANHOLE REGRADING DETAIL



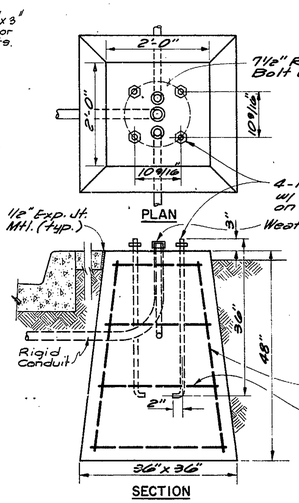
PLAN

TYPICAL ALLEY INTERSECTION

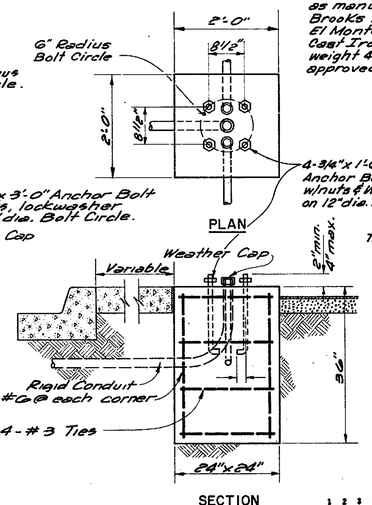


VALVE BOX REGRADING DETAIL

CONTROL CABINET BASE

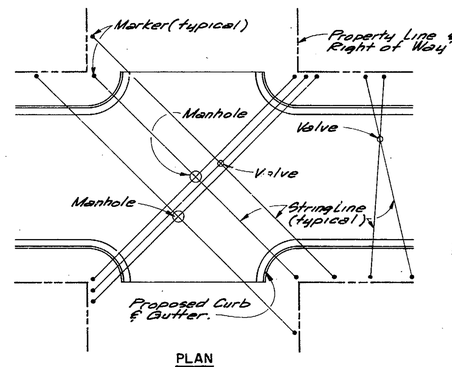


MAST ARM

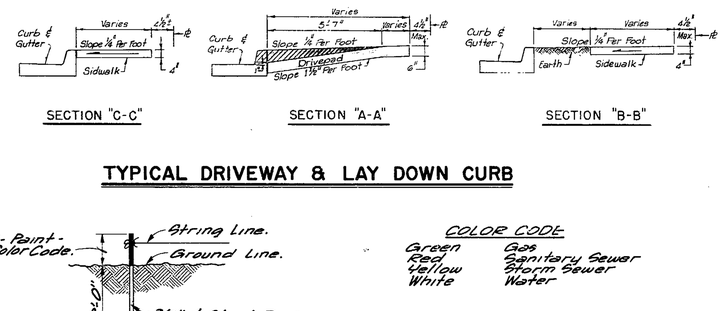


PEDESTAL

TRAFFIC LIGHT FOUNDATION DETAILS



PLAN



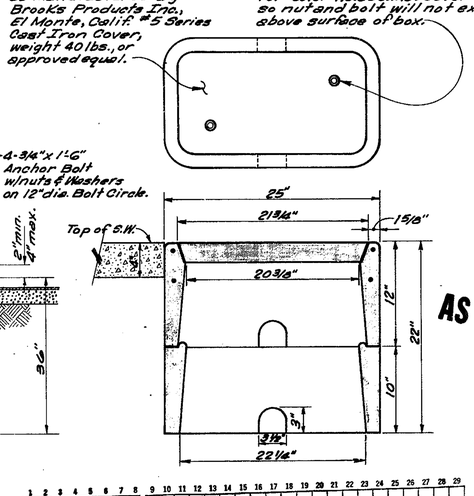
TYPICAL DRIVEWAY & LAY DOWN CURB

MARKER DETAIL

COLOR CODE

Green	Gas
Red	Sanitary Sewer
Yellow	Storm Sewer
White	Water

PLAN FOR LOCATING UNDERGROUND UTILITIES



ELECTRICAL PULL BOX-CONCRETE

GENERAL NOTES

1. Curb & Gutter. Provide contraction joints at 6'o.c. Provide 1/8" preformed expansion joints at 48'o.c. maximum, at curb returns and at each side of driveways.

2. Driveways. 18' to 36' long to have 1/2" preformed expansion joint at centerline. Driveways longer than 36' to have expansion joints spaced at 18'o.c. maximum.

3. Sidewalks to be 4" thick with a transverse slope of 1/4" per foot. 1/2" preformed expansion joints shall be provided at 18'o.c. maximum and where sidewalks abut existing walks, buildings, driveways or other construction. Contraction joints to be provided at same spacing and location as joints in Curb & Gutter.

AS BUILT

No.	DESCRIPTION	DATE	BY
5			
4			
3			
2			
1			

REVISIONS (OR CHANGE NOTICES)

DISREGARD NOTES AND DETAILS NOT APPLICABLE TO THIS CONTRACT.

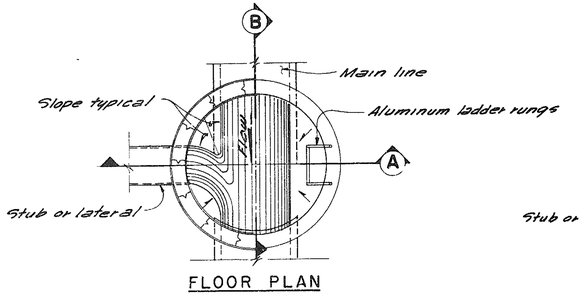
ALBUQUERQUE, NEW MEXICO

ARTERIAL STREET IMPROVEMENTS
STAGE TO PERMANENT CONSTRUCTION
MONTGOMERY BOULEVARD
STANDARD DETAILS

SHEET 9 OF 12

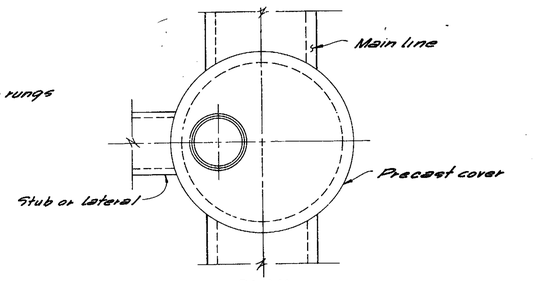
WILLIAM MATOTAN & ASSOCIATES, INC-ENGINEERS
ALBUQUERQUE, NEW MEXICO

ENGRS FILE No. 72-381	DRAWN: STANDARD	CHECKED: G.G.	DATE: JAN 1973
	TRACED:	APPROVED: J.A.	SCALE: NONE



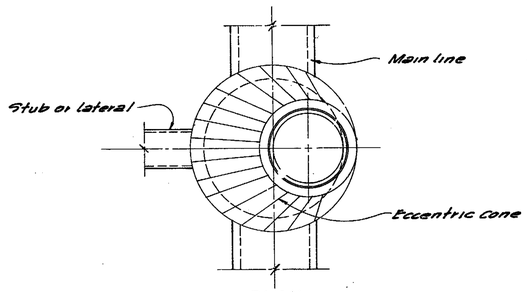
FLOOR PLAN

TYPE B, C & E MANHOLE



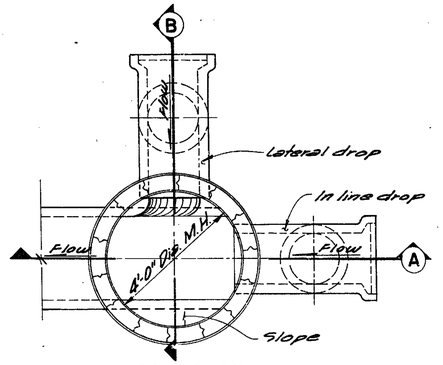
PLAN

TYPE C MANHOLE

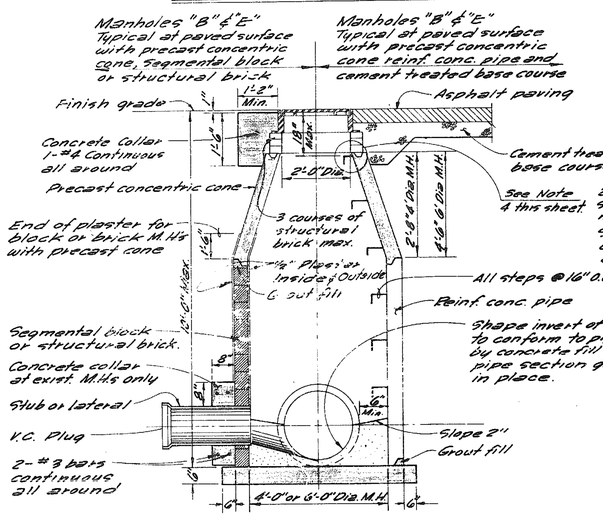


PLAN

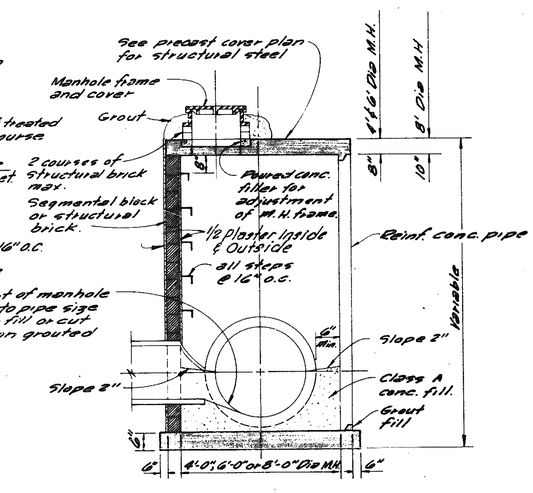
TYPE E MANHOLE



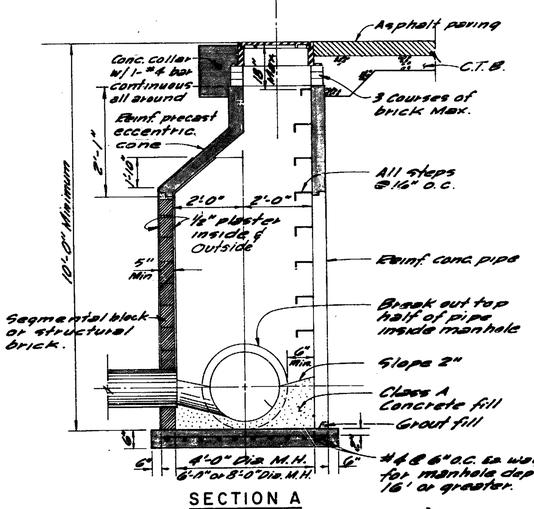
FLOOR PLAN



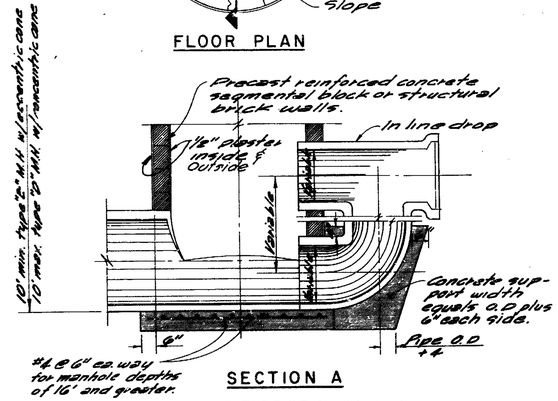
SECTION A



SECTION A

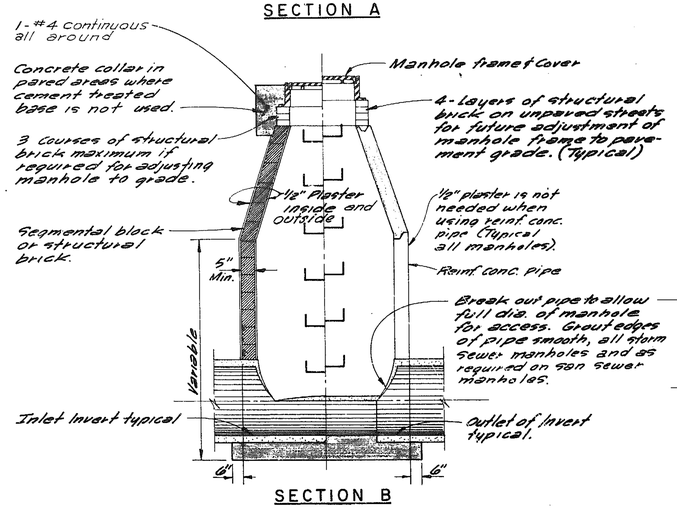


SECTION A



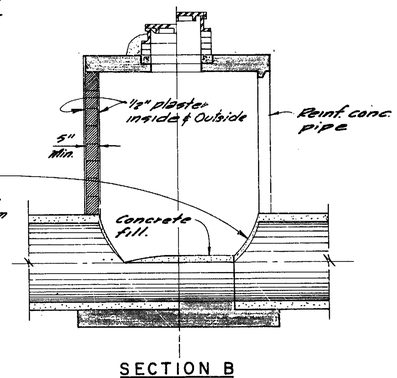
SECTION A

IN LINE DROP MANHOLE



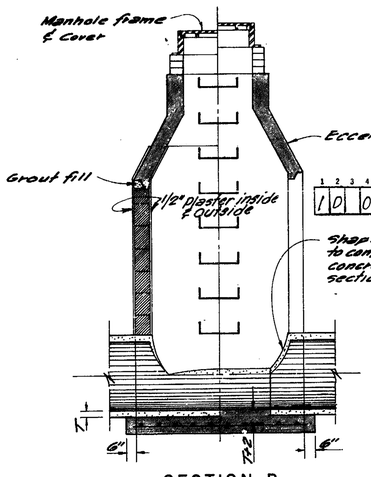
SECTION B

TYPE B MANHOLE



SECTION B

TYPE C MANHOLE

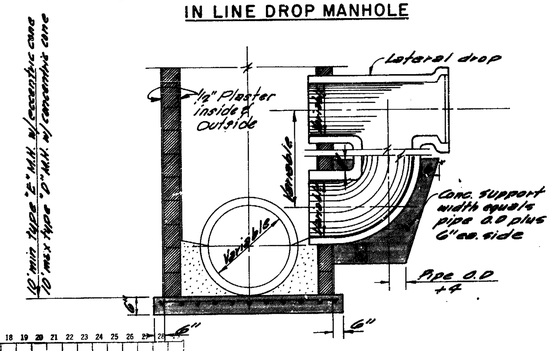


SECTION B

TYPE E MANHOLE

NOTES:

1. Use of type "E" manhole shall be limited to manholes greater than 10' in depth.
2. Type "E" manhole shall be used for pipes greater than 24" Dia.
3. All 8'-0" dia manholes require 8" block.
4. First step to protrude 3" into manhole, all others 5".



SECTION B

LATERAL DROP MANHOLE

TYPE D MANHOLE

DROP CONVERSION

AS BUILT

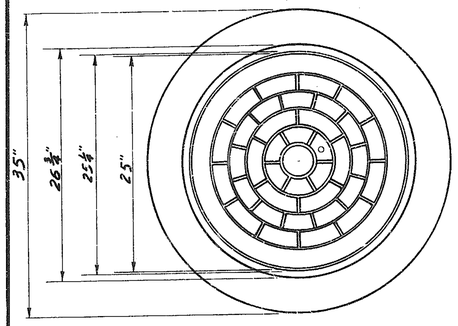
ALBUQUERQUE, NEW MEXICO

ARTERIAL STREET IMPROVEMENTS
STAGE TO PERMANENT CONSTRUCTION
MONTGOMERY BOULEVARD
MANHOLE DETAILS

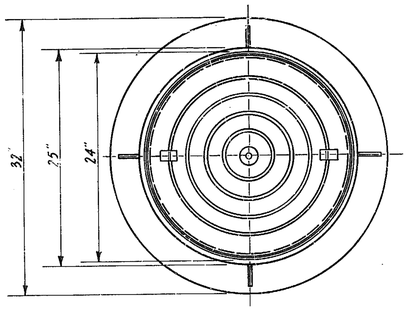
WILLIAM MATOTAN & ASSOCIATES, INC.- ENGINEERS
ALBUQUERQUE, NEW MEXICO

SHEET 10 OF 12

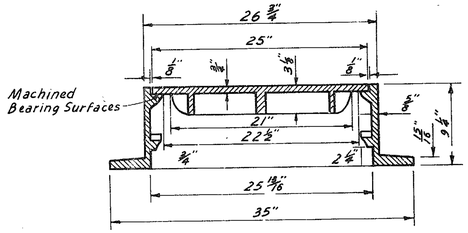
ENGRS FILE No. 72-381	DRAWN: STANDARD	CHECKED: GG	DATE: JAN 1973
	TRACED:	APPROVED: JA	SCALE: NONE



PLAN



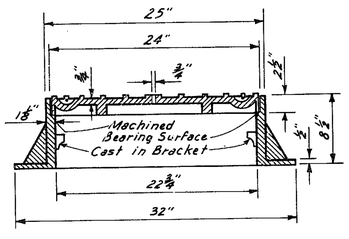
PLAN



SECTION

ALTERNATE MANHOLE FRAME & COVER DETAILS

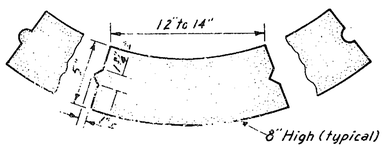
SCALE: 1 1/2"=1'-0"



SECTION

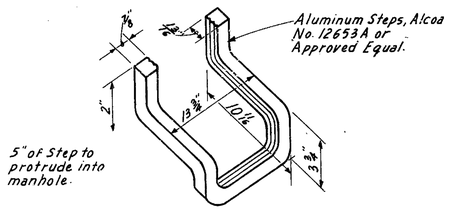
TYPICAL CAST IRON FRAME & COVER DETAILS

SCALE: 1 1/2"=1'-0"



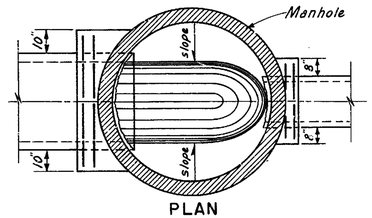
TYPICAL CONCRETE BLOCK DETAIL

NOT TO SCALE

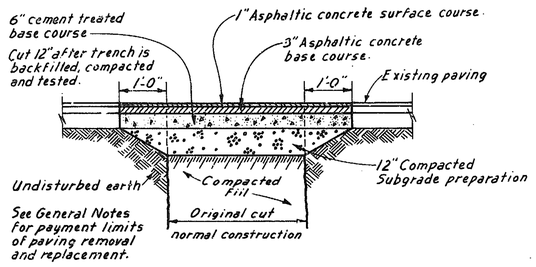


TYPICAL MANHOLE STEP DETAIL

SCALE: 3"=1'-0"



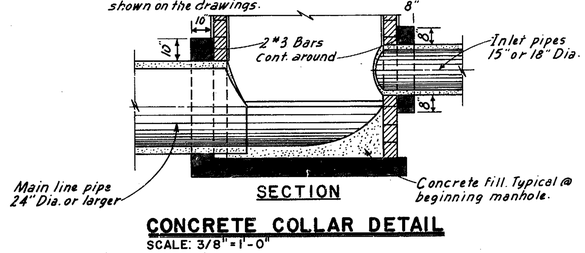
PLAN



PAVEMENT CUT DETAIL

NOT TO SCALE

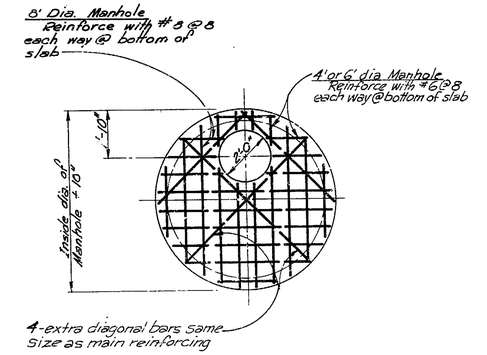
Note: This detail shall apply when any pipe is connected to an existing or previously constructed manhole and where otherwise shown on the drawings.



SECTION

CONCRETE COLLAR DETAIL

SCALE: 3/8"=1'-0"



PLAN-PRECAST COVER

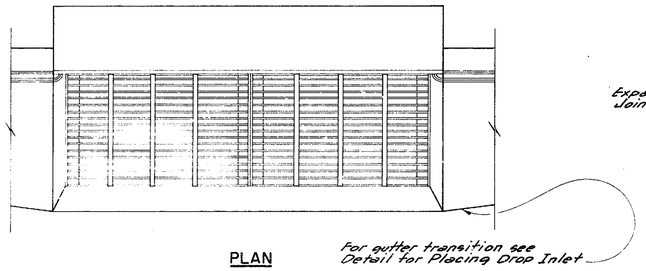
SCALE: 3/4"=1'-0"

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

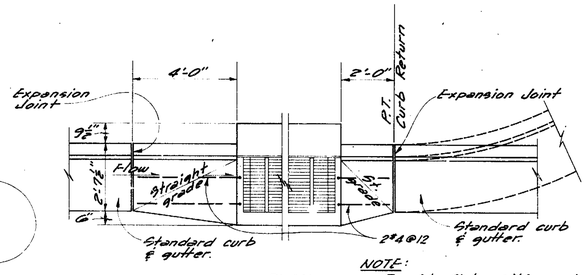
1 0 0 1 1 1 7 3 1 0

AS BUILT

ALBUQUERQUE, NEW MEXICO				SHEET 11 OF 12
ARTERIAL STREET IMPROVEMENTS STAGE TO PERMANENT CONSTRUCTION MONTGOMERY BOULEVARD MANHOLE & PAVEMENT CUT DETAILS				
WILLIAM MATOTAN & ASSOCIATES, INC. – ENGINEERS ALBUQUERQUE, NEW MEXICO				
ENGRS. FILE No. 72-381	DRAWN STANDARD	CHECKED GG	DATE JAN 1973	
	TRACED	APPROVED JA	SCALE NONE	

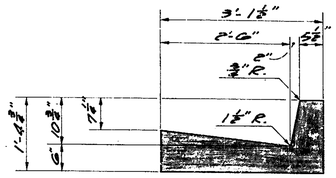


PLAN

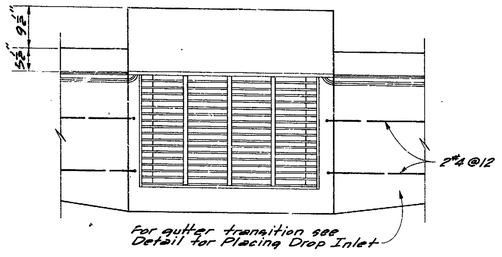


PLAN

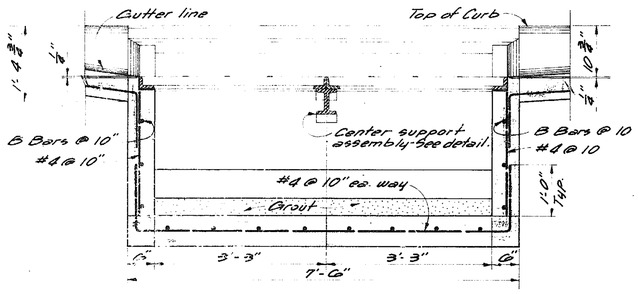
NOTE:
Provide 4' transition each side of inlet when installing inlet @ low point of curb & gutter.



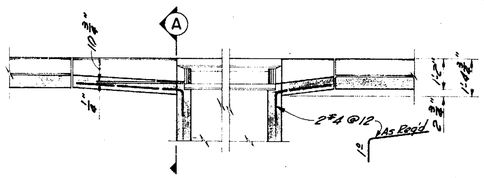
SECTION (A)



PLAN



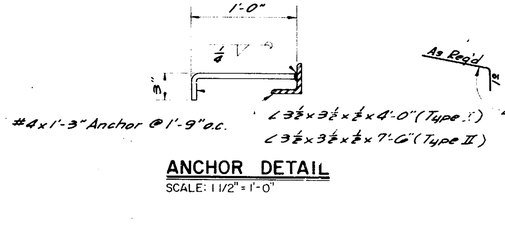
LONGITUDINAL SECTION



LONGITUDINAL SECTION

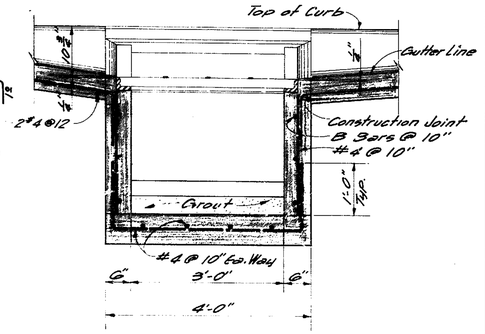
DETAIL FOR PLACING DROP INLET

SCALE: 3/8"= 1'-0"

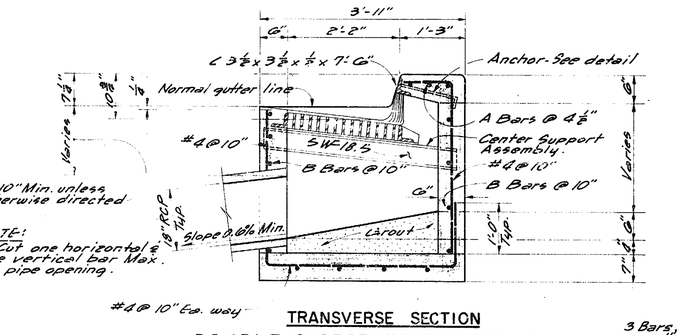


ANCHOR DETAIL

SCALE: 1 1/2" = 1'-0"



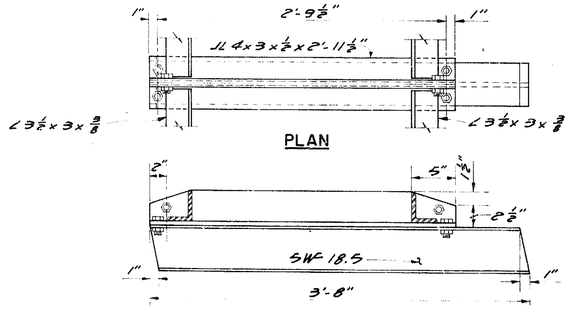
LONGITUDINAL SECTION



TRANSVERSE SECTION

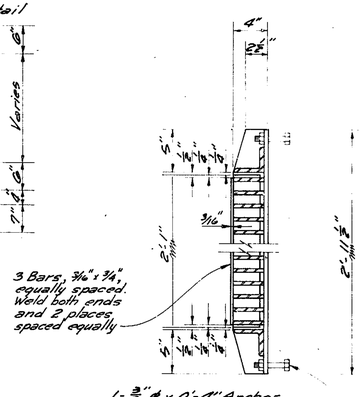
DOUBLE C DROP INLET DETAILS

SCALE: 3/4" = 1'-0"

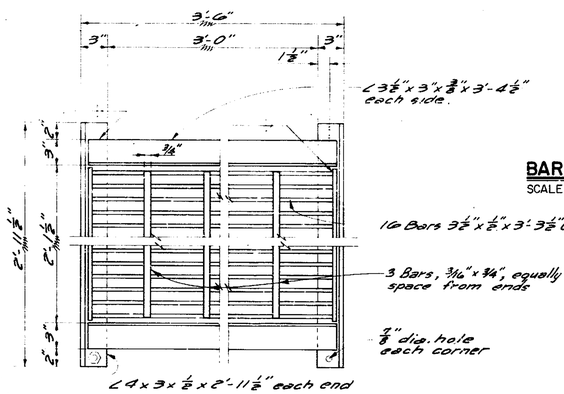


CENTER SUPPORT ASSEMBLY – DOUBLE C DROP INLET

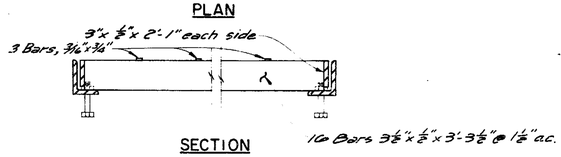
SCALE: 1 1/2" = 1'-0"



SECTION



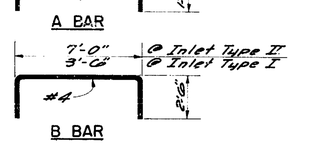
PLAN



SECTION

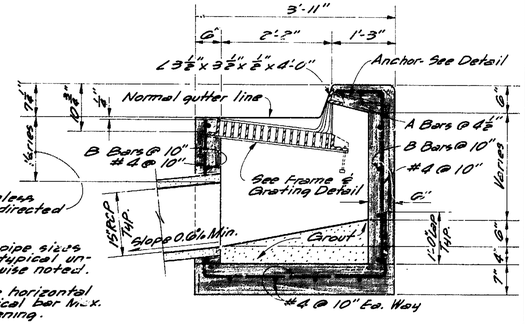
FRAME & GRATING DETAILS

SCALE: 1 1/2" = 1'-0"



BAR BENDING DETAILS

SCALE: 1/4" = 1'-0"



TRANSVERSE SECTION

SINGLE C DROP INLET DETAILS

SCALE: 3/4" = 1'-0"

DETAILS TYPICAL TO DROP INLETS

AS BUILT

ALBUQUERQUE, NEW MEXICO

SHEET 12 OF 12

ARTERIAL STREET IMPROVEMENTS
STAGE TO PERMANENT CONSTRUCTION
MONTGOMERY BOULEVARD
DROP INLET DETAILS
FOR STANDARD CURB AND GUTTER

WILLIAM MATOTAN & ASSOCIATES, INC. - ENGINEERS
ALBUQUERQUE, NEW MEXICO

ENGRS. FILE No.	DRAWN: STANDARD	CHECKED: GG	DATE: JUNE 1973
72 - 381	TRACED:	APPROVED: JA	SCALE: As Shown