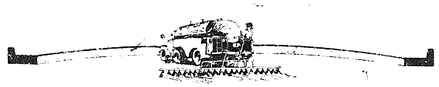
3

CITY OF
ALBUQUERQUE - NEW MEXICO

PAVING DISTRICT NO. 125
PAVING DISTRICT NO. 127
HAHN AND EMBUDO ARROYO
STREET CROSSING IMPROVEMENTS



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 1 0 1 2 5 0 1 6 2 2 0

GORDON HERKENHOFF AND ASSOCIATES CONSULTING ENGINEERS

SHEET 1 OF 40

MOUNTAIN RD
SHEETS: 22,23,24,25,38

PANMUNJON RD
SHEET 25

DORA AVE
SHEETS 25,26

PHOENIX SIPHON
SHEET 37

M.C. KNIGHT AVE
SHEET 21

MORNINGSIDE STRUCTURE
STA: 1+85 SHEETS 27,28

MONROE STRUCTURE
STA. 4+73.79 SHEETS 29,30

Not Found 3/16/62

Not Found 3/16/62

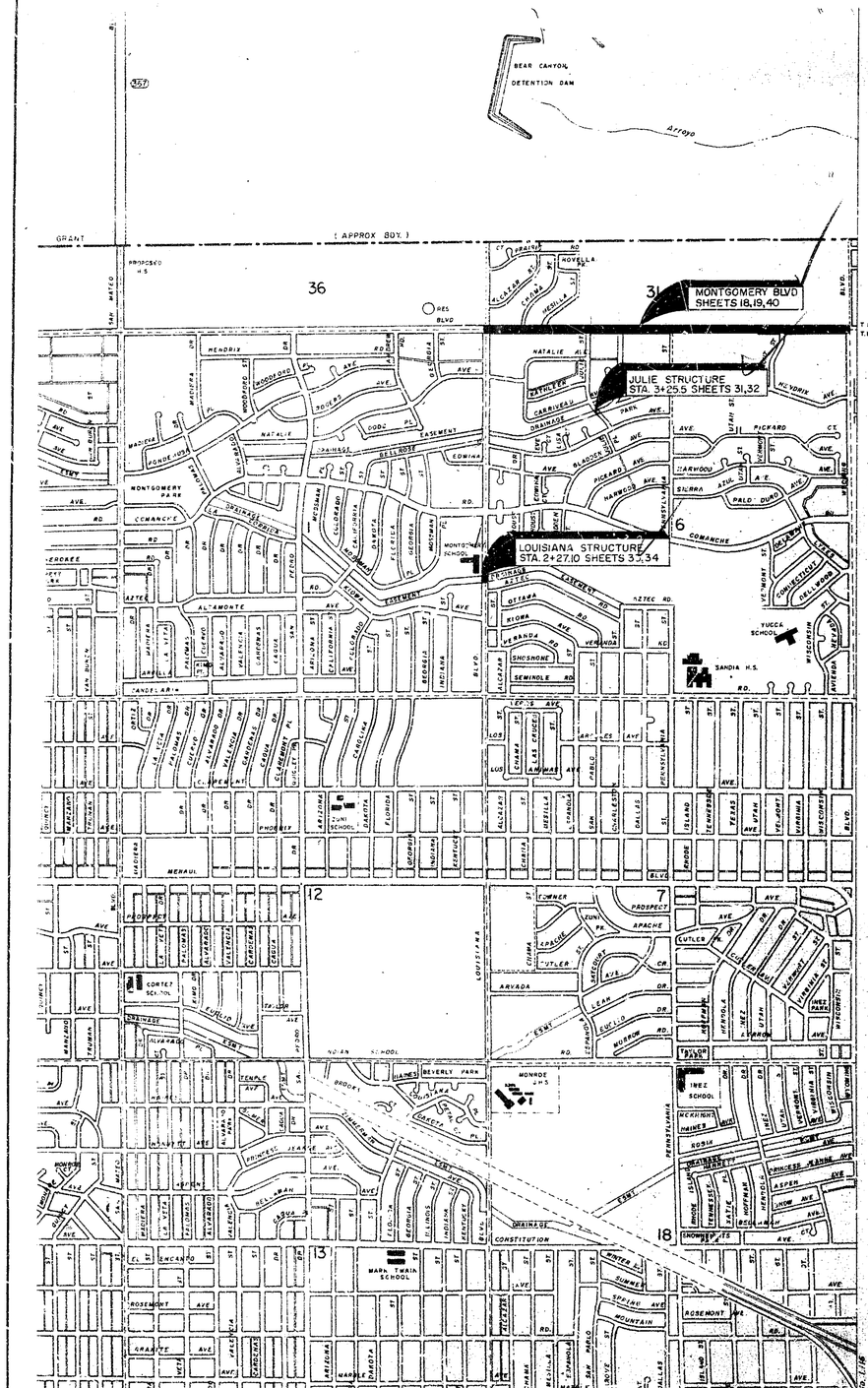
ALBUQUERQUE, NEW MEXICO

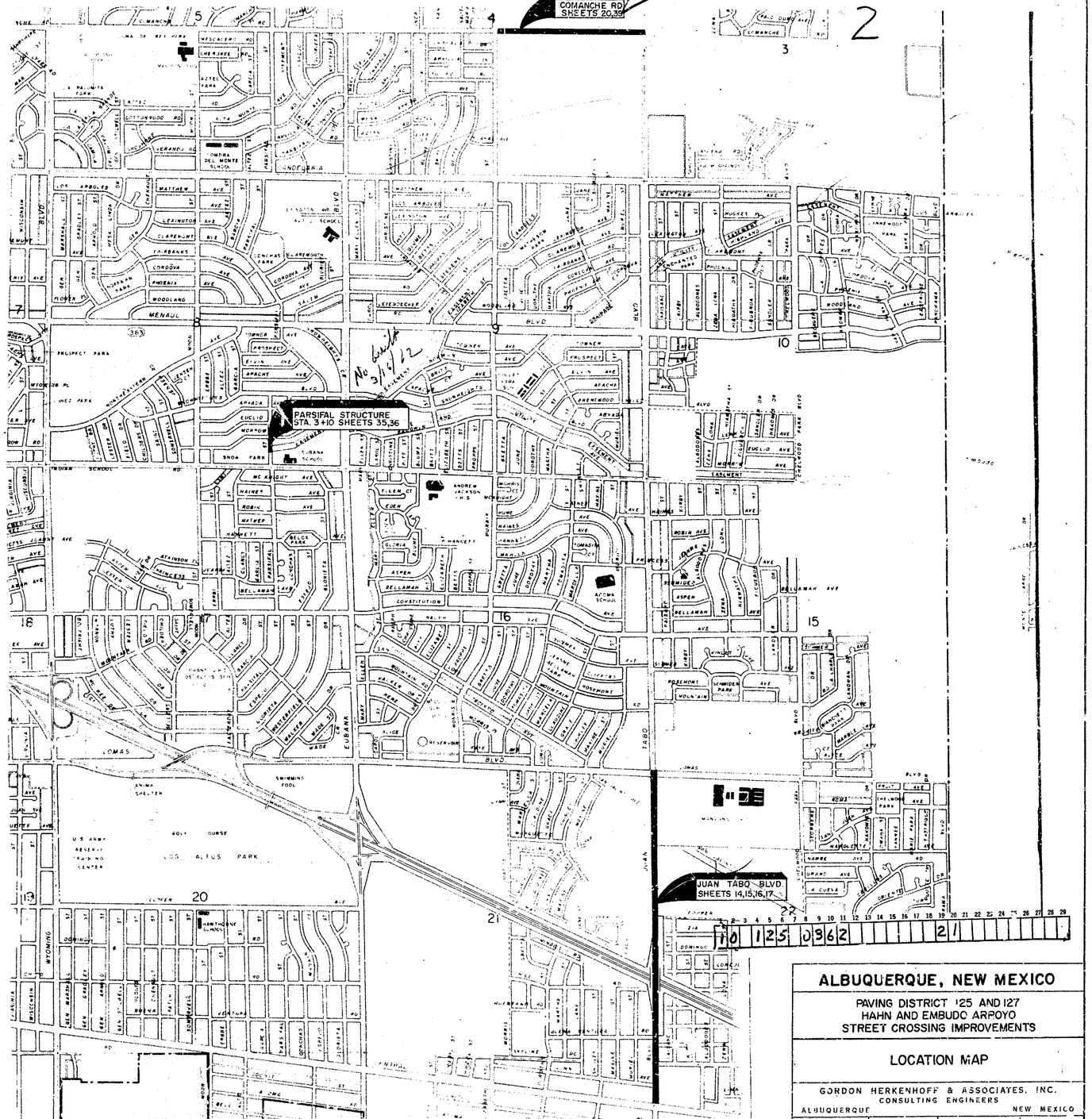
PAVING DISTRICT 125 AND 127
HAHN AND EMBUDO ARROYO
STREET CROSSING IMPROVEMENTS

LOCATION MAP

GORDON HERKENHOFF & ASSOCIATES INC
CONSULTING ENGINEERS
ALBUQUERQUE NEW MEXICO

SCALE	DATE	DRAWN: R.A.M	SHEET 2
1" = 1000'	MAY 1961	CHECKED:	OF 40





0 1 2 5 0 3 6 2

ALBUQUERQUE, NEW MEXICO

PAVING DISTRICT 125 AND 127
HAHN AND EMBUDO ARROYO
STREET CROSSING IMPROVEMENTS

LOCATION MAP

GORDON HERKENHOFF & ASSOCIATES, INC.
CONSULTING ENGINEERS
ALBUQUERQUE NEW MEXICO

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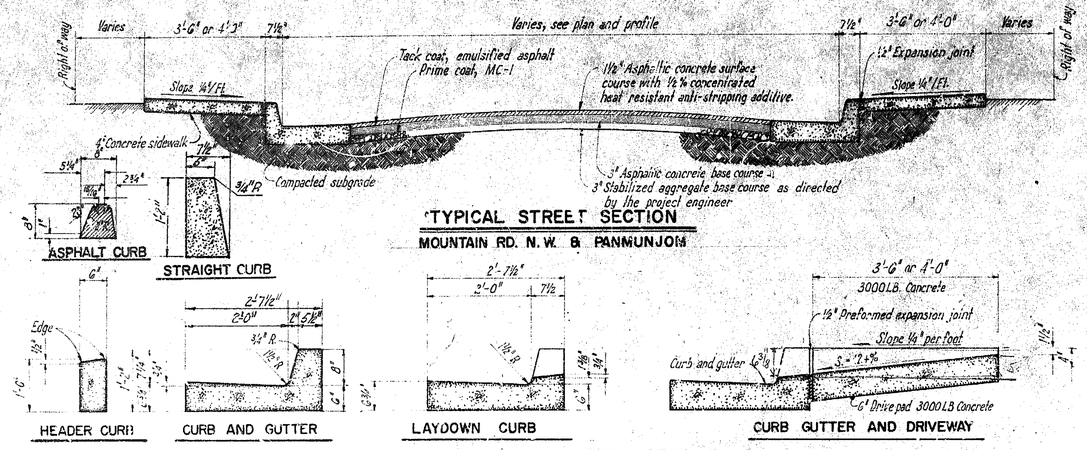
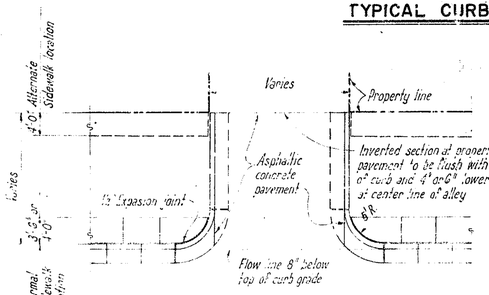
1" = 1000'	MAY 1961	CHECKED:	OF 40

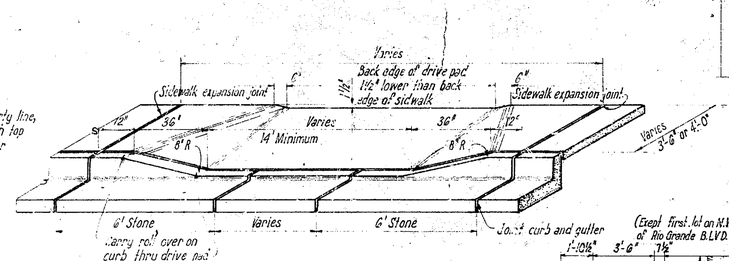


TYPICAL STREET SECTION
MOUNTAIN RD. N.W. & PANMUNJOM

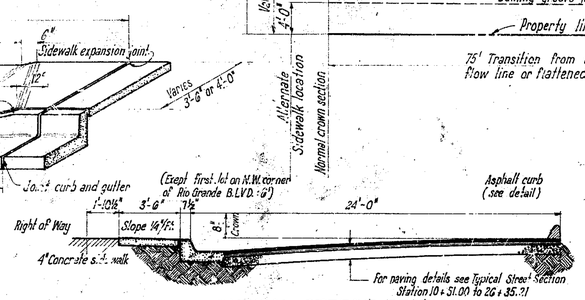
TYPICAL CURB AND GUTTER DETAILS



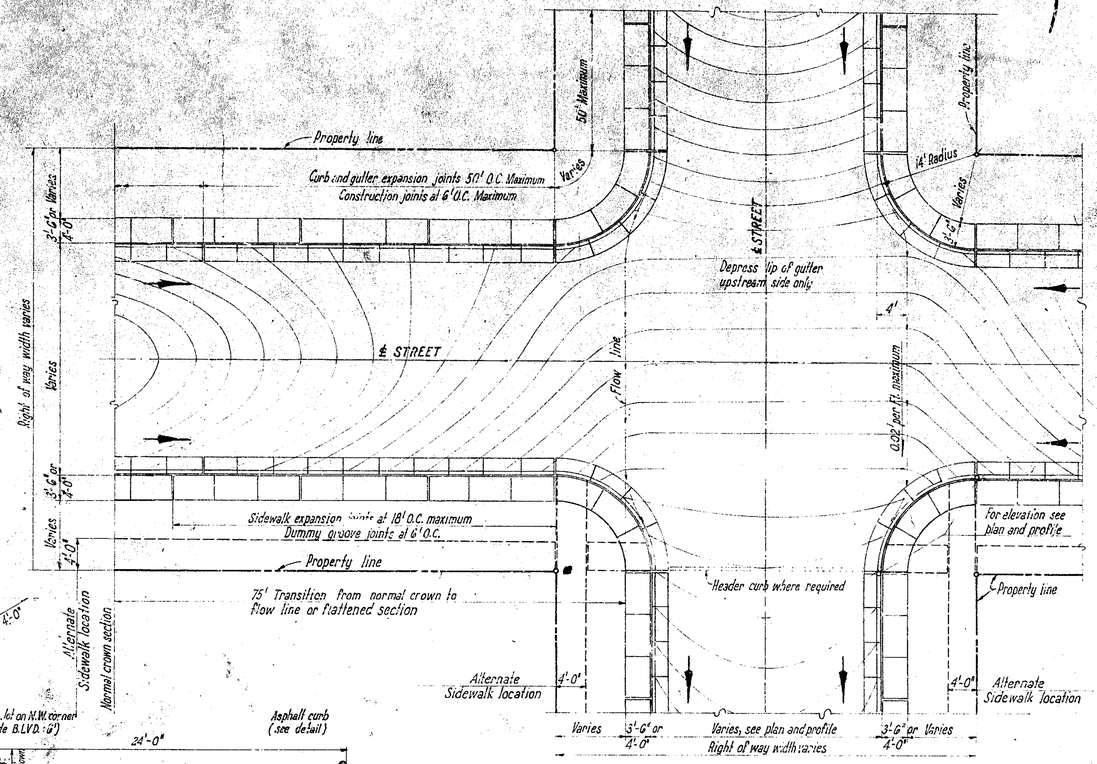
TYPICAL ALLEY DETAIL



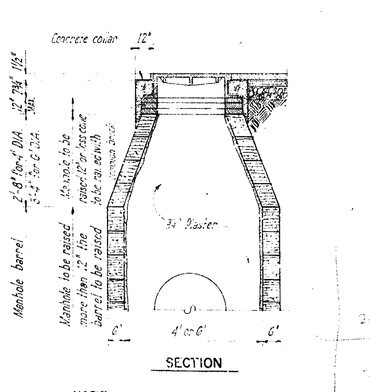
TYPICAL DRIVEWAY



TYPICAL STREET SECTION
MOUNTAIN RD STATION 26+35.21 TO 44+66.00

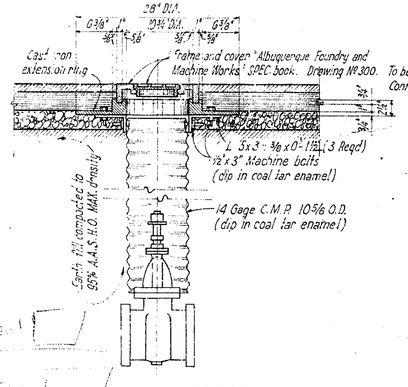


TYPICAL INTERSECTION DETAIL



MANHOLE DETAIL

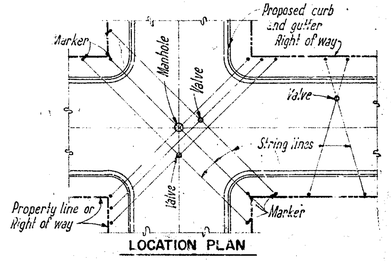
NOTE:
Manholes to be raised 12" or less to be raised using common brick and concrete collar, 4 courses maximum.
Manholes to be raised 12" or more the cone to be removed, the barrel to be raised and the cone rebuilt. Manhole to be lowered by removing the cone and lowering the barrel and rebuilding the cone



VALVE BOX DETAIL

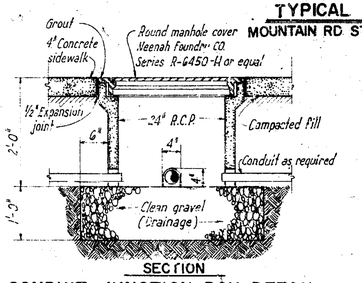
MARKER DETAIL.

COLOR CODE	
Blue	Water
Green	Gas
Red	Sanitary sewer
Yellow	Storm sewer

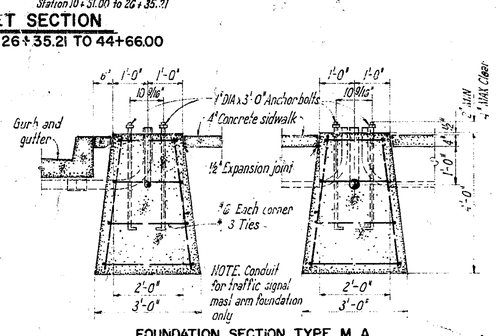


LOCATION PLAN

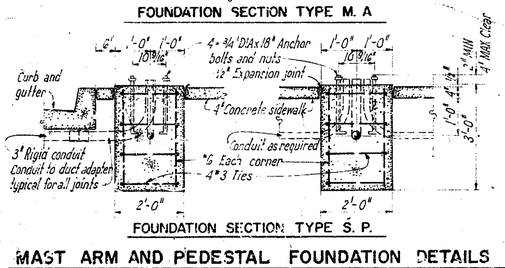
PLAN FOR LOCATING UNDERGROUND UTILITIES



CONDUIT JUNCTION BOX DETAIL



FOUNDATION SECTION TYPE M. A



FOUNDATION SECTION TYPE S. P.

MAST ARM AND PEDESTAL FOUNDATION DETAILS

GENERAL NOTES:

CURB AND GUTTER. To be constructed of 3000 psi concrete and to be laid in lengths of 6 feet between construction joints. ½" preformed expansion joints to be located at intervals not to exceed 50 feet, at the P.C. and P.T. of curb returns and each side of drive pads.

DRIVE PADS. To be constructed of 3000 psi concrete. 6" depth pads longer than 18 feet to have a 12" preformed expansion joint at the midpoint. Drive pads more than 36 feet long to have 2-12" expansion joints with not more than 18 feet between joints.

SIDEWALKS. To be constructed of 3000 psi concrete 4" thick with a transverse slope of ¼" per foot. 12" preformed expansion joints to be located between the sidewalk and the back of the curb, where sidewalks abut existing walls, buildings drive pads and immovable objects and 18 feet on centers on straight runs. Dummy groove joints to be located at intervals of 6 feet on centers maximum. Width of sidewalk to be 42" when placed adjacent to the curb and gutter and 48" wide when placed adjacent to the property line. Sidewalks in front of business establishments shall be laid from the back of curb to the edge of building or property line. No sidewalk to be constructed until curb and gutter is in place.

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	1	2	5	0	4	6	2										1	0									

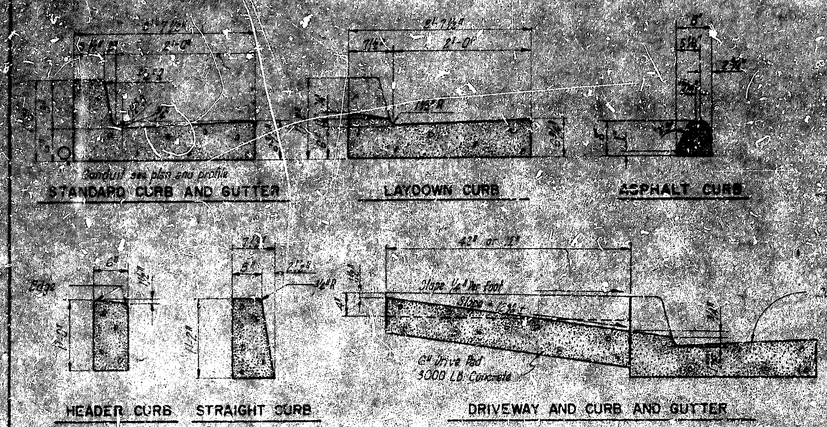
ALBUQUERQUE, NEW MEXICO

PAVING STANDARD

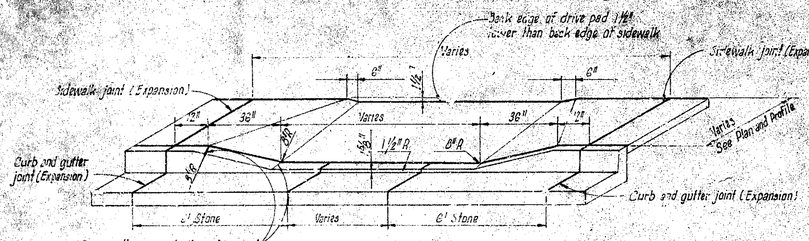
RESIDENTIAL STREET PAVEMENT DETAILS

GORDON HERKENHOFF & ASSOCIATES, INC.
CONSULTING ENGINEERS
ALBUQUERQUE NEW MEXICO

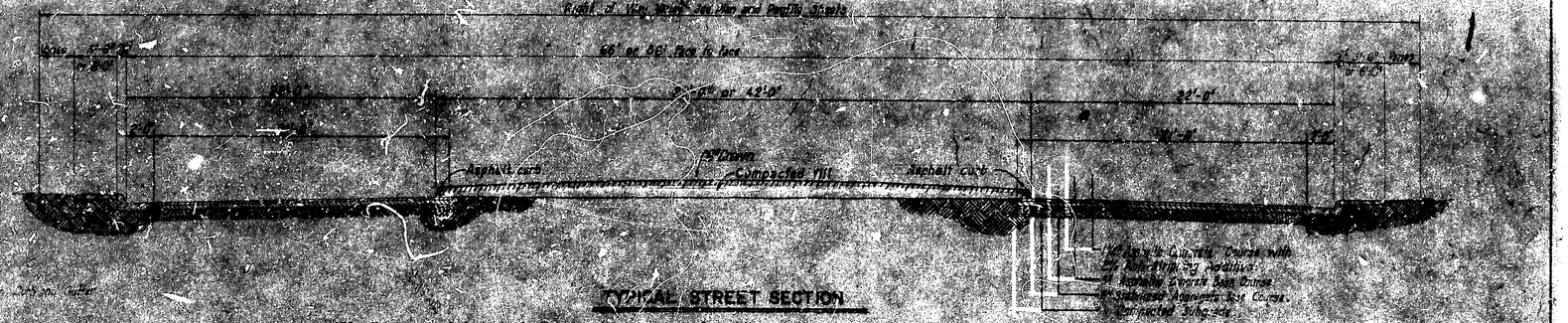
SCALE	DATE	DRAWN: A.O.H.	SHEET 4
NOT TO SCALE	JUNE: 1961	CHECKED: G.A.J.	OF 40



TYPICAL CURB AND GUTTER DETAILS

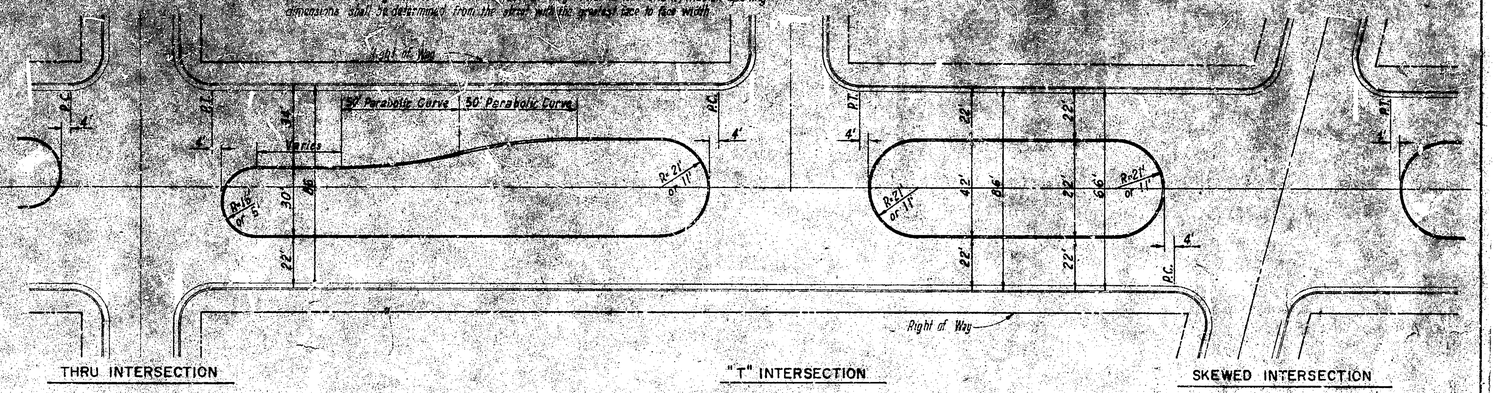


TYPICAL DRIVEWAY



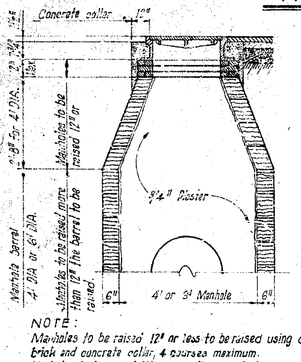
TYPICAL STREET SECTION

NOTE: When the intersecting streets of a "T" intersection are of different widths, median opening dimensions shall be determined from the street with the greatest face to face width.



THRU INTERSECTION | "T" INTERSECTION | SKEWED INTERSECTION

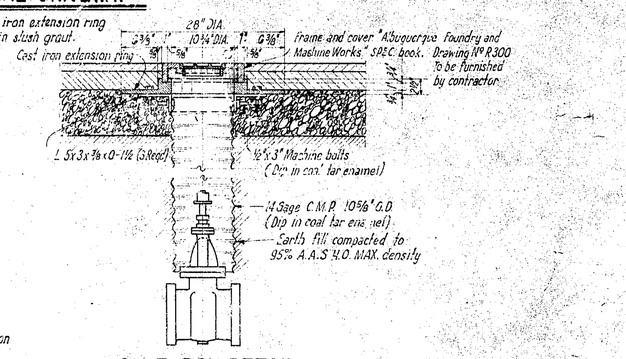
TYPICAL STREET INTERSECTIONS PLAN



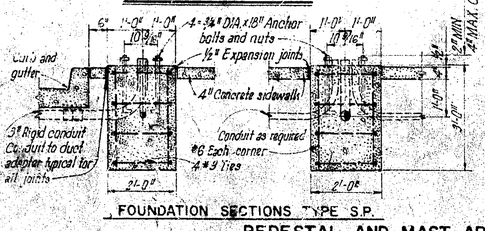
NOTE:
Manholes to be raised 12" or less to be raised using common brick and concrete collar, 4 courses maximum.
Manholes to be raised 12" or more the cone to be removed, the barrel to be raised and the cone to be rebuilt.
Manholes to be lowered by removing the cone and lowering the barrel and rebuilding the cone.

SECTION

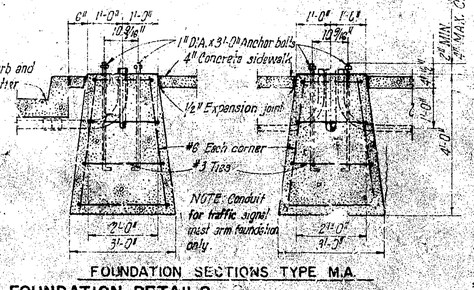
MANHOLE DETAIL



VALVE BOX DETAIL

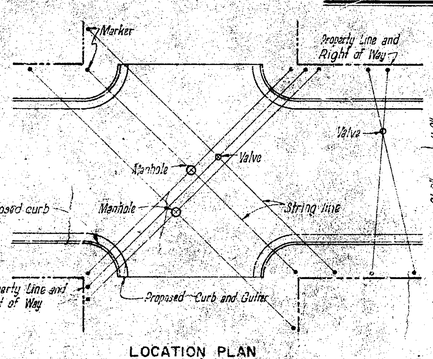


FOUNDATION SECTIONS TYPE S.P.

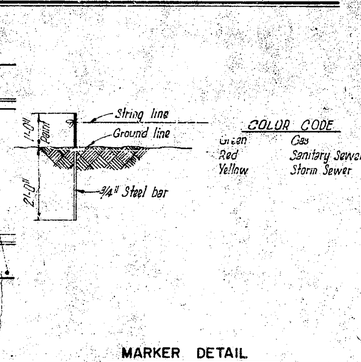


FOUNDATION SECTIONS TYPE M.A.

PEDESTAL AND MAST ARM FOUNDATION DETAILS

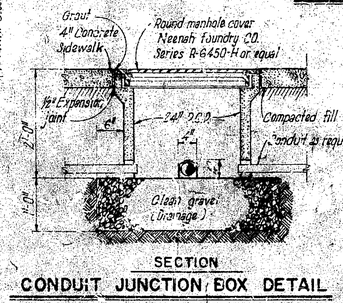


LOCATION PLAN



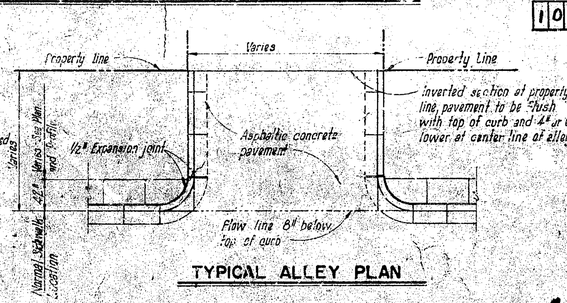
MARKER DETAIL

PLAN FOR LOCATING UNDERGROUND UTILITIES



SECTION

CONDUIT JUNCTION BOX DETAIL



TYPICAL ALLEY PLAN

GENERAL NOTES:

CURB AND GUTTER to be constructed of 3000 psi concrete and to be laid in lengths of 6 feet between construction joints. ½" preformed expansion joints to be located at intervals not to exceed 30 Feet, at the P.C. and P.T. of curb returns and each side of drive pads.

DRIVE PADS to be constructed of 3000 psi concrete 6 inch thick. Drive pads longer than 18 feet to have a ½" preformed expansion joint at the midpoint. Drive pads more than 36 feet long to have 2-½" expansion joints with not more than 18 feet between joints.

SIDEWALKS to be constructed of 3000 psi concrete 4 inch thick with a transverse slope of ¼ inch per foot. ½ inch preformed expansions joints to be located between the sidewalk and the back of the curb, where the sidewalks abut existing walks, buildings, drive pads or immovable objects and 18 feet on centers on straight runs. Dummy groove joints to be located at intervals of 6 feet on centers maximum. Width of sidewalk to be 42 inches when placed adjacent to the curb and gutter and 48 inches wide when placed adjacent to the property line. Sidewalks in front of business establishments shall be laid from the back of the curb to the edge of building or property line. No sidewalks to be constructed until curb and gutter is in place.

COLOR CODE

Green	Gas
Red	Sanitary Sewer
Yellow	Storm Sewer

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 | 1 2 5 | 0 5 6 2 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 0

ALBUQUERQUE, NEW MEXICO

PAVING STANDARD

STAGE CONSTRUCTION ARTERIAL STREET PAVEMENT DETAILS

GORDON HERKENHOFF & ASSOCIATES, INC.
ALBUQUERQUE CONSULTING ENGINEERS NEW MEXICO

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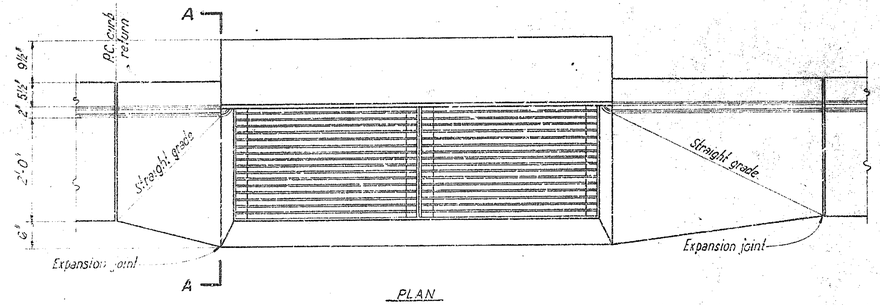
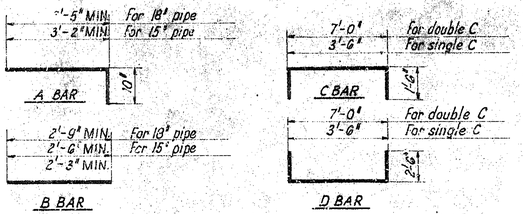
NOT TO SCALE		CHECKED: G.A.J.	OF 40



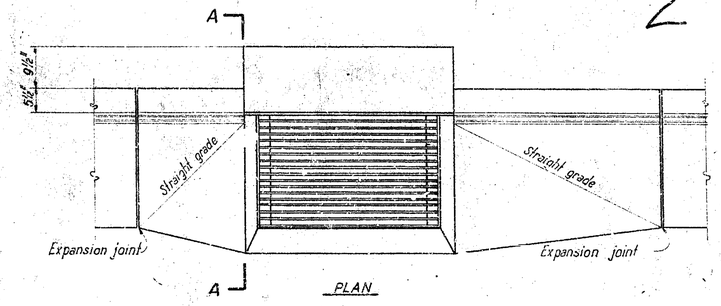
PLAN



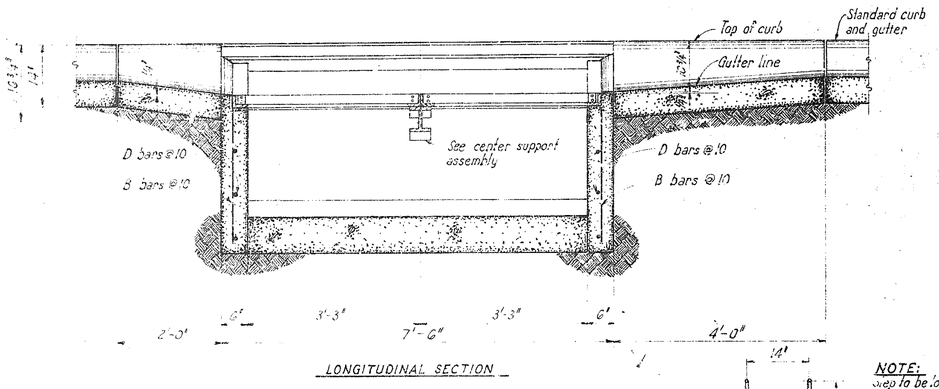
NOTE: All bars to be #4

BAR BENDING DETAILS

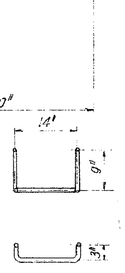
Not to scale



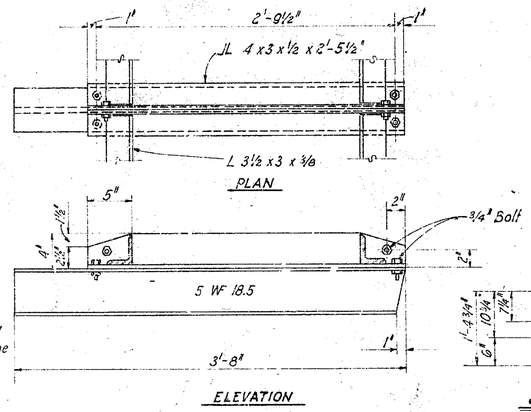
PLAN



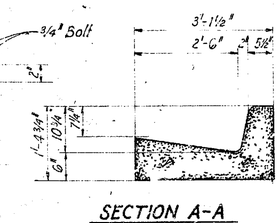
LONGITUDINAL SECTION



NOTE: Step to be located as directed by the project engineer.

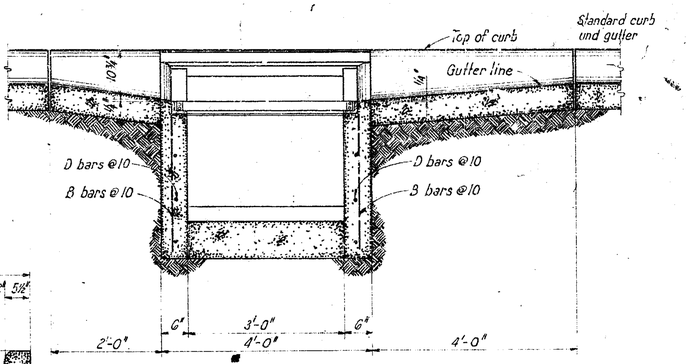


ELEVATION

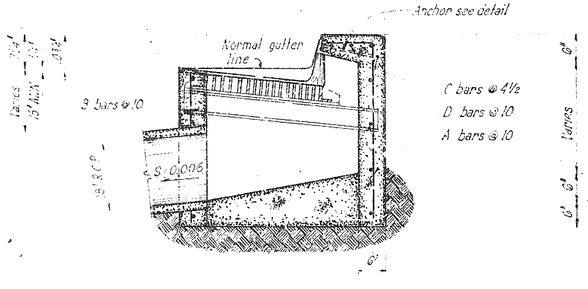


SECTION A-A

Scale ¾"=1'-0"



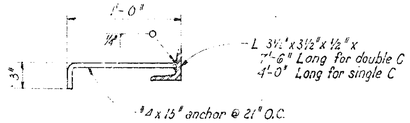
LONGITUDINAL SECTION



TRANSVERSE SECTION

DOUBLE C INLET

Scale: ¾"=1'-0"



ANCHOR DETAIL

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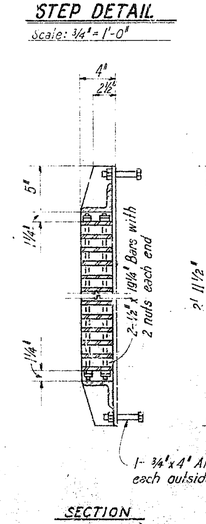
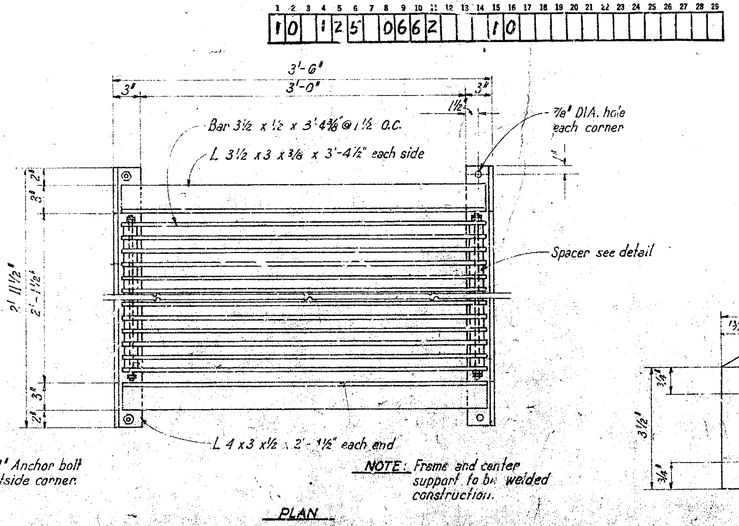


SECTION

STEP DETAIL

Scale: ¾"=1'-0"

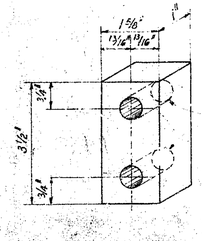


NOTE: Frame and center support to be welded construction.

PLAN

FRAME AND GRATING DETAILS

Scale: 1½"=1'-0"



SPACER DETAIL

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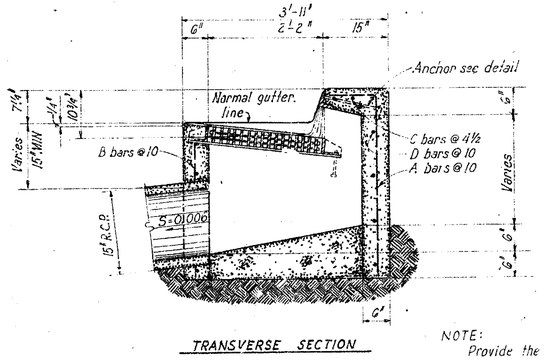


TRANSVERSE SECTION

SINGLE C INLET

Scale: ¼"=1'-0"

NOTE:
Provide the following slopes for inlet pipes:
15" R.C.P. — S=0.006
18" R.C.P. — S=0.008
24" R.C.P. — S=0.006

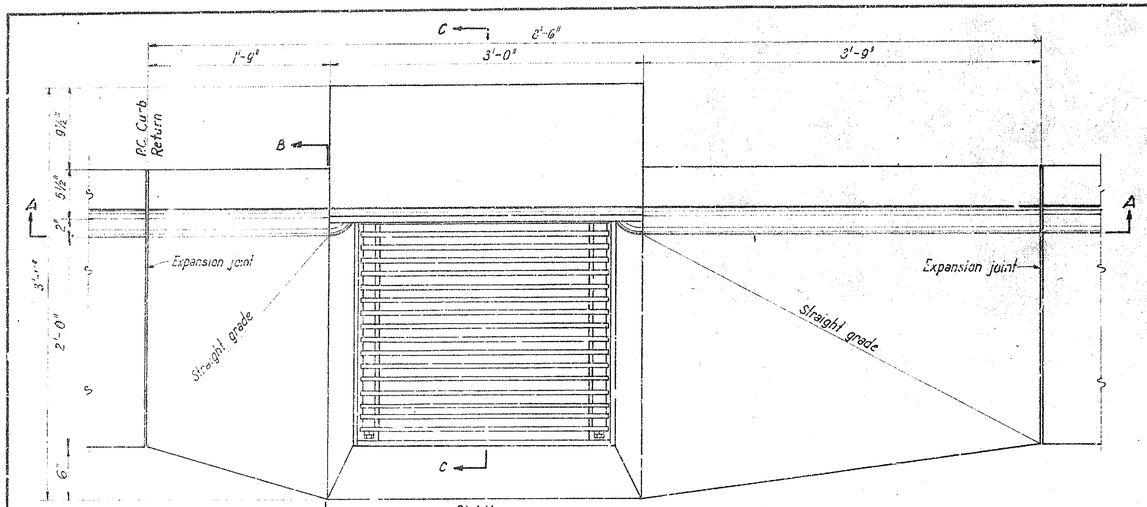
ALBUQUERQUE, NEW MEXICO

STORM SEWER STANDARDS

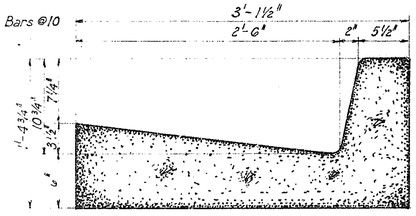
DOUBLE C AND SINGLE C DROP INLET DETAILS

GORDON HERKENHOFF & ASSOCIATES, INC.
CONSULTING ENGINEERS
ALBUQUERQUE NEW MEXICO

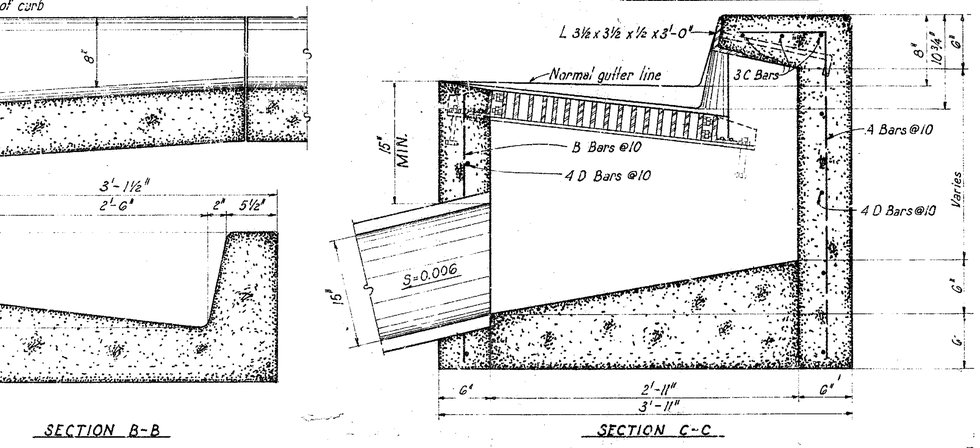
SCALE	DATE	DRAWN:	A.O.H.	SHEET 6
AS SHOWN	APRIL 1961	CHECKED:		OF 40



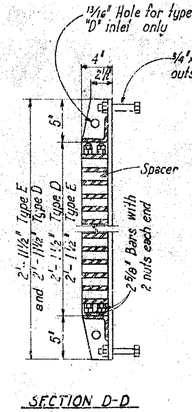
SECTION A-A



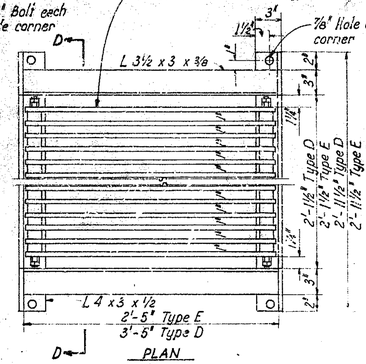
SECTION B-B



SECTION C-C

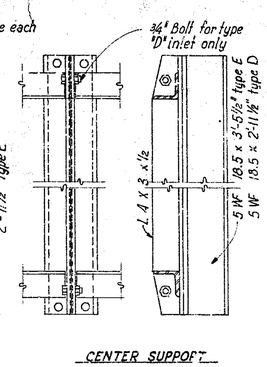


SECTION D-D

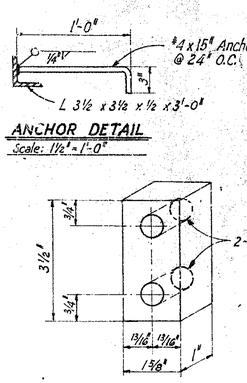


PLAN

NOTE:
Frame for grating and center support to be welded construction



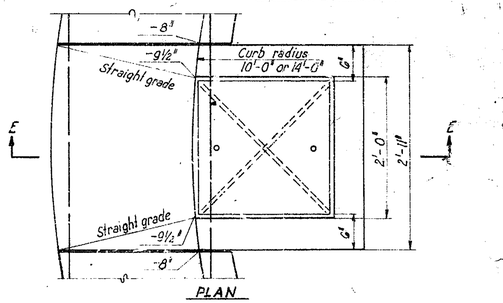
CENTER SUPPORT



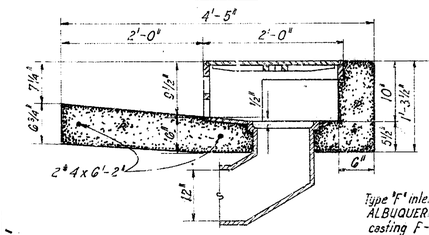
ANCHOR DETAIL
Scale: 1½" = 1'-0"

SPACER DETAIL
Not to scale

GRATING DETAILS
Not to scale



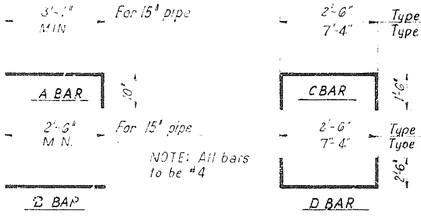
PLAN



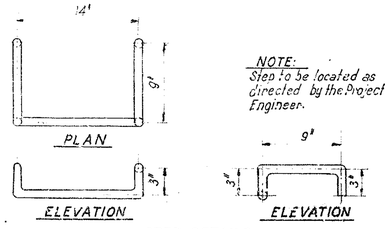
SECTION E-E

Type 'F' inlet is ALBUQUERQUE FOUNDRY casting F-130

TYPE F INLET
Scale: 1" = 1'-0"

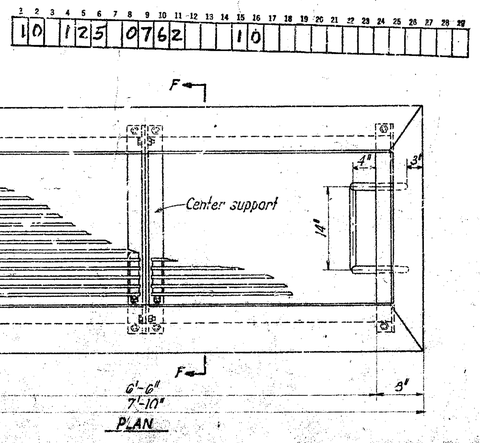


BAR BENDING DIAGRAM
Not to scale

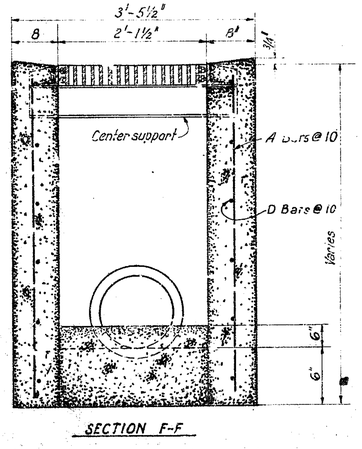


STEP DETAILS
Not to scale

NOTE:
Step to be located as directed by the Project Engineer.



TYPE D INLET
Scale: 1" = 1'-0"



SECTION F-F

NOTE:
Provide the following slopes for inlet pipes:
15" R.C.P. — S=0.006
18" R.C.P. — S=0.008
24" R.C.P. — S=0.008

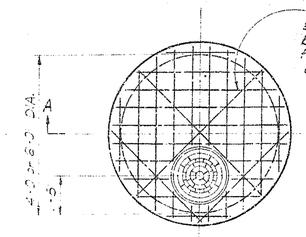
ALBUQUERQUE, NEW MEXICO

STORM SEWER STANDARDS

TYPE D, E, AND F DROP INLET DETAILS

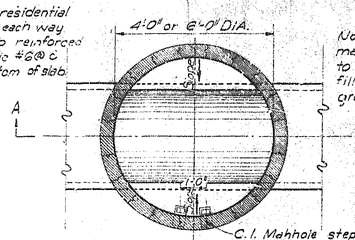
GORDON HERKENHOFF & ASSOCIATES, INC.
CONSULTING ENGINEERS
ALBUQUERQUE NEW MEXICO

SCALE	DATE	DRAWN: A.Q.H.	SHEET 7
AS SHOWN	AUGUST 1960	CHECKED:	OF 40



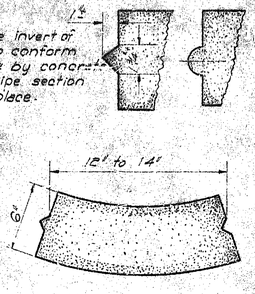
TOP PLAN OF TYPE A

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



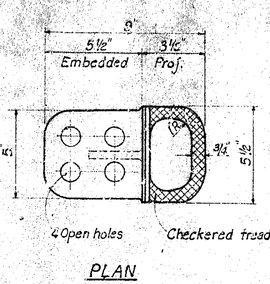
SECTION PLAN OF TYPE A AND TYPE B

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

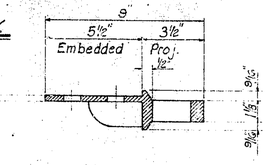


TYPICAL DETAIL OF CONCRETE BLOCK

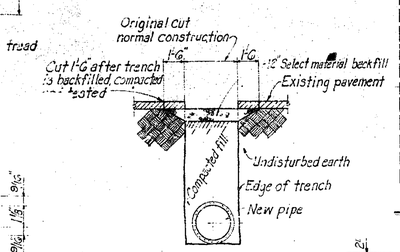
SCALE: 1/8" = 1"



PLAN

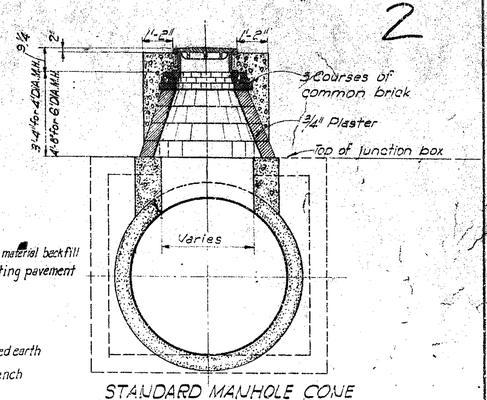


SECTION



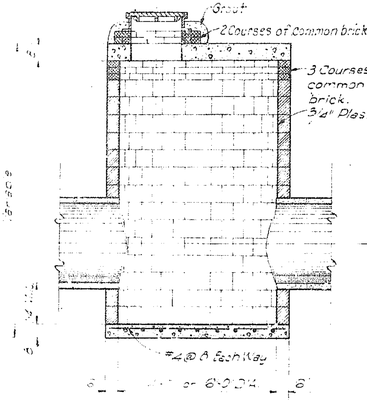
PAVEMENT CUT DETAILS

No Scale



STANDARD MANHOLE CONE

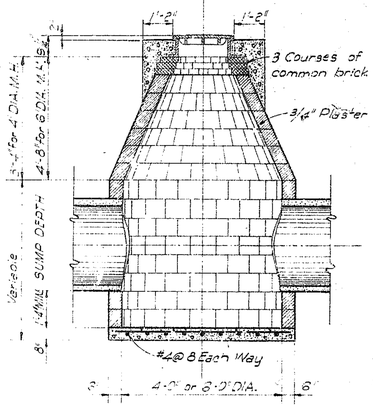
SCALE: 3/8" = 1'-0"



SECTION A-A - TYPE A MANHOLE

(WITH SLOPED INVERT)

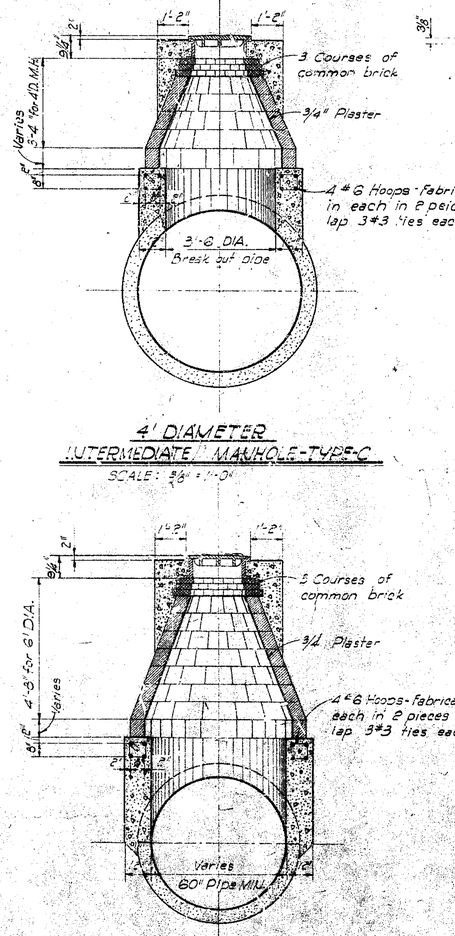
SCALE: 3/8" = 1'-0"



SECTION A-A - TYPE B MANHOLE

(WITH SUMPED INVERT)

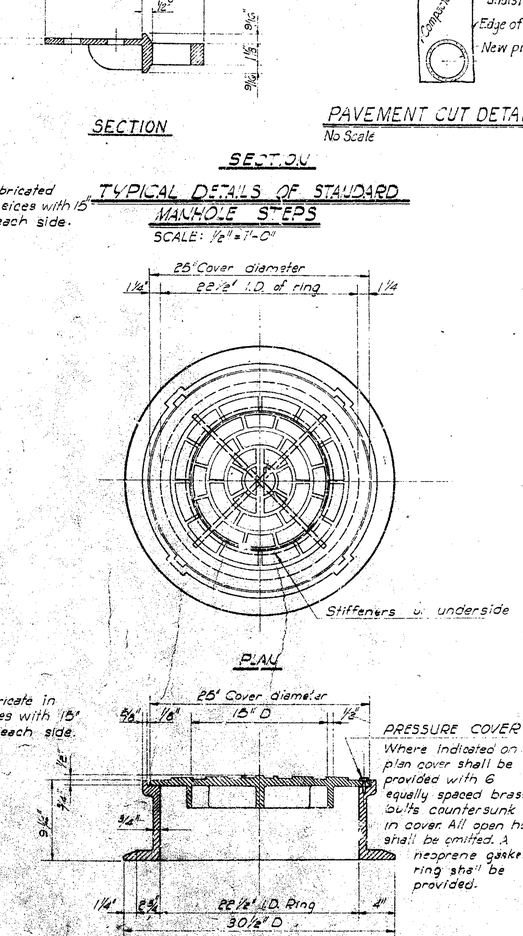
SCALE: 3/8" = 1'-0"



4' DIAMETER

INTERMEDIATE MANHOLE - TYPE C

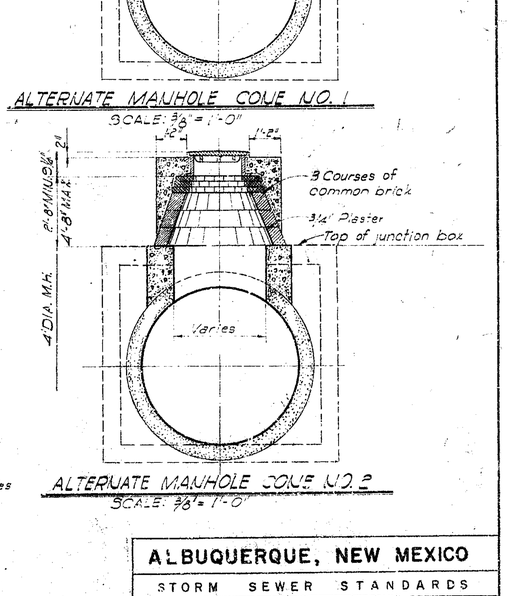
SCALE: 3/8" = 1'-0"



SECTION

TYPICAL DETAILS OF CAST IRON MANHOLE RING AND COVER

SCALE: 1" = 1'-0"

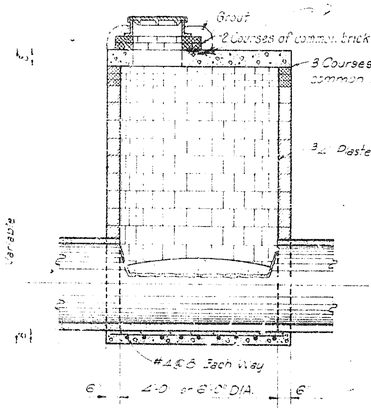


ALTERNATE MANHOLE CONE NO. 1

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

ALTERNATE MANHOLE CONE NO. 2

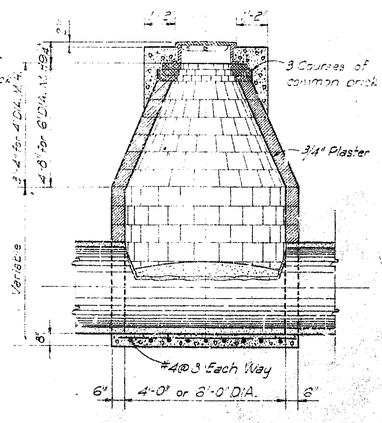
SCALE: 3/8" = 1'-0"



SECTION A-A - TYPE A MANHOLE

(STANDARD INVERT)

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



SECTION A-A - TYPE B MANHOLE

(STANDARD INVERT)

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

6' DIAMETER

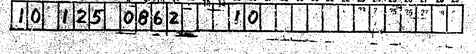
INTERMEDIATE MANHOLE - TYPE C

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

SECTION

TYPICAL DETAILS OF CAST IRON MANHOLE RING AND COVER

SCALE: 1" = 1'-0"



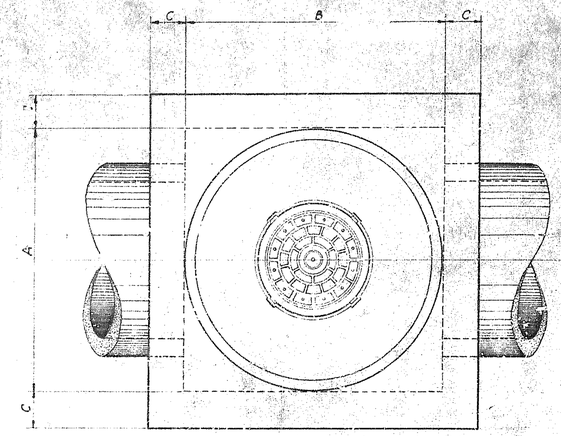
ALBUQUERQUE, NEW MEXICO

STORM SEWER STANDARDS

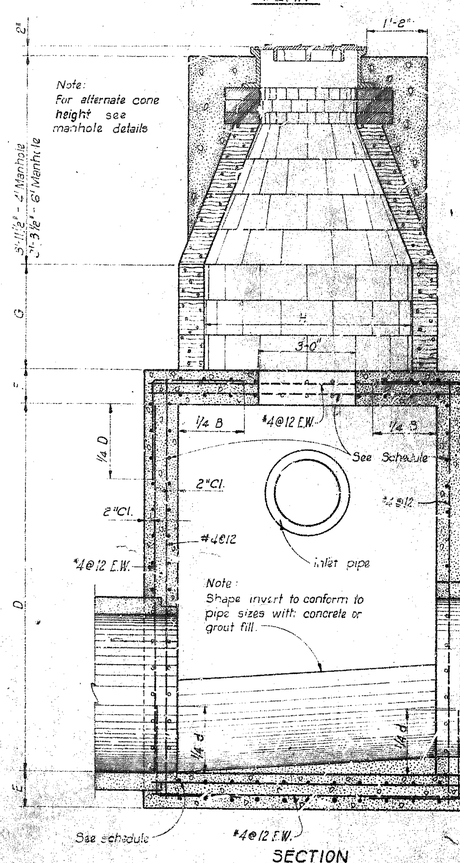
PAVEMENT CUT AND MANHOLE DETAILS

GORDON HERKENHOFF & ASSOCIATES, INC.
CONSULTING ENGINEERS
ALBUQUERQUE, NEW MEXICO

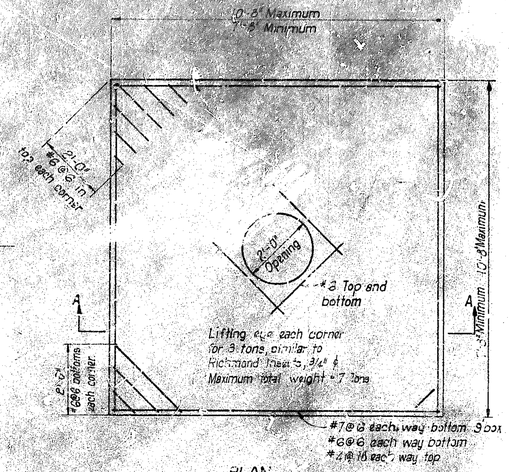
SCALE	DATE	DRAWN: R.A.G.	SHEET 8
AS SHOWN	APRIL 1961	CHECKED: G.A.J.	OF 40



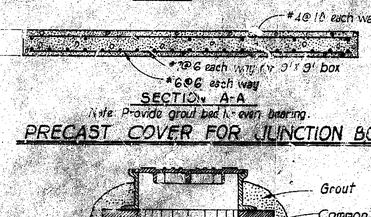
PLAN



SECTION



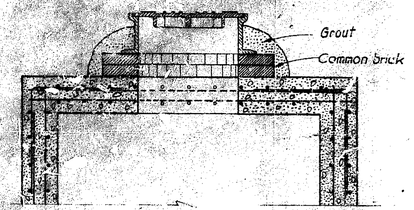
PLAN



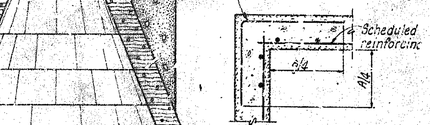
SECTION A-A

Note: Provide grout bed for even bearing.

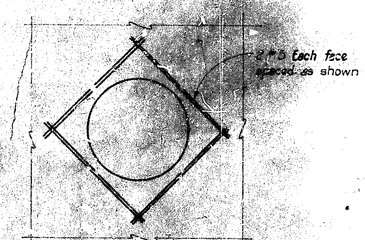
PRECAST COVER FOR JUNCTION BOXES



JUNCTION BOX



CORNER BAR DETAIL



ADDITIONAL REINFORCING AT OPENINGS

JUNCTION BOX DETAILS

Scale: ¾"=1'-0"

JUNCTION BOX SCHEDULE FOR JUAN TABO STORM SEWER

BOX NO.	STATION	PIPE IN	PIPE OUT	DIMENSIONS A	B	C	D	E	F	G	H	ELEVATIONS INVERT	REINFORCING ROOF	WALLS	FLOOR	ESTIMATED QUANTITIES CU. YDS. CONCRETE	POUNDS STEEL
1	0+55	53×83	53×83	10'	10'	10"	7'-0"	12"	10"	0	0	5533.43	#6@6 E.W.	#6@6 Horiz.	#4@6 E.W.	13.06	4440
2	9+42.48	53×83	53×83	10'	6'	8"	6'-6"	12"	10"	0	0	5539.29	#6@6 E.W.	#6@6 Horiz.	#4@6 E.W.	6.83	2322
3	34+10 AHD =10+63.47 BK.	53×83 36"Stub	53×83	10'	10'	8"	6'-6"	12"	10"	0	0	5540.09	#6@6 E.W.	#6@6 Horiz.	#4@6 E.W.	10.64	3618
4	44+00	66"	53×83	10'	6'	8"	7'-0"	12"	10"	0	0	5546.62	#6@6 E.W.	#6@6 Horiz.	#4@6 E.W.	6.46	2197
5	53+50	66"	66"	8'	6'	8"	7'-0"	12"	10"	0	0	5558.21	#6@6 E.W.	#6@6 Horiz.	#4@6 E.W.	5.72	1945
6	60+60	66" 36"Stub	66"	8'	6'	8"	7'-0"	12"	10"	0	0	5562.90	#6@6 E.W.	#6@6 Horiz.	#4@6 E.W.	5.72	1945

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 1 2 5 0 9 6 2 1 0

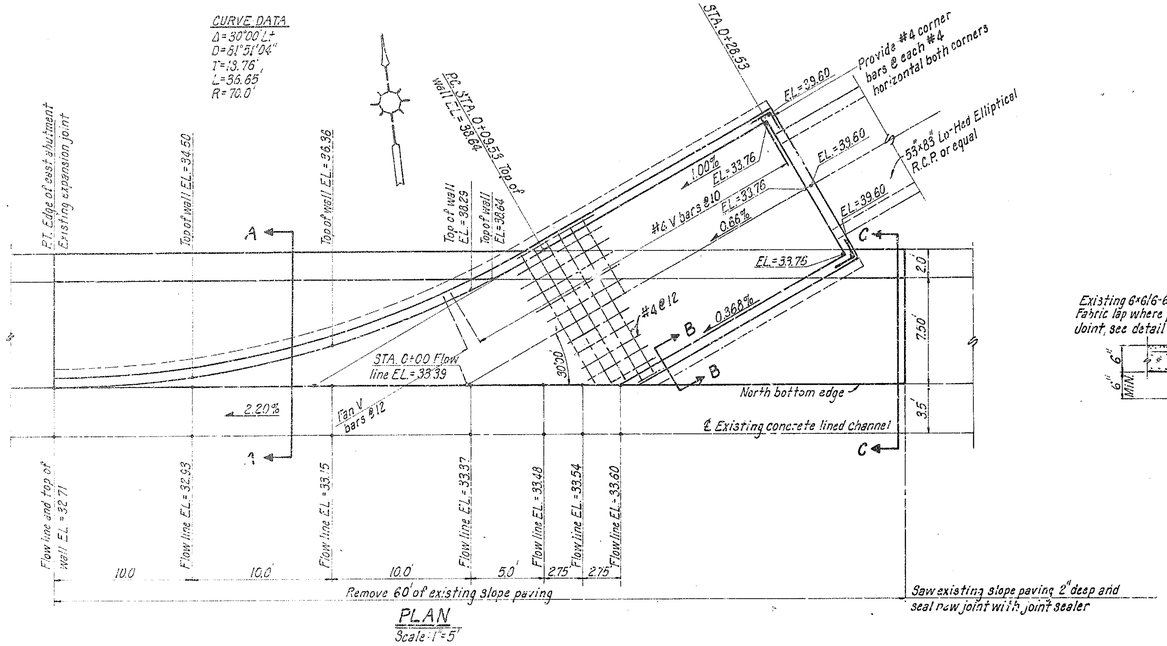
ALBUQUERQUE, NEW MEXICO

PAVING DISTRICT 125 AND 127
HAHN AND EMBUDO ARROYO
STREET CROSSING IMPROVEMENTS

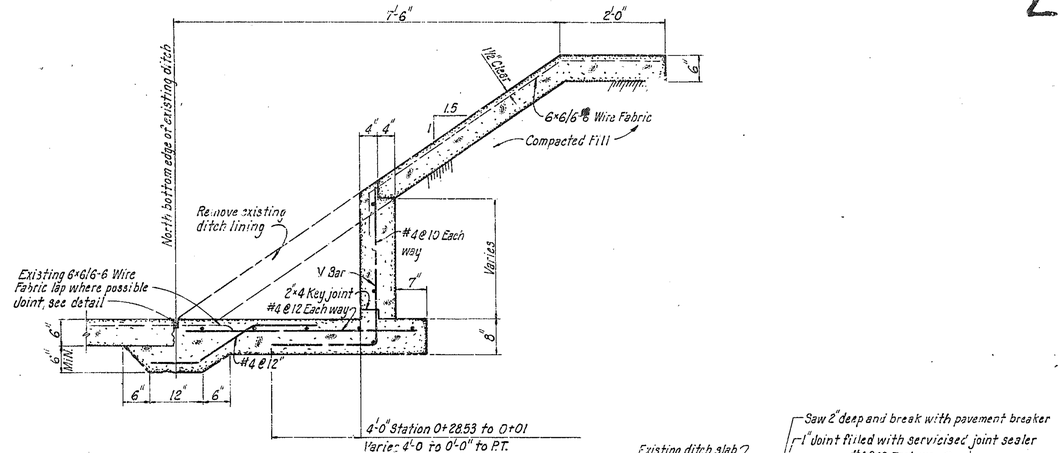
JUNCTION BOX DETAILS

GORDON HERKENHOFF & ASSOCIATES, INC.
CONSULTING ENGINEERS
ALBUQUERQUE NEW MEXICO

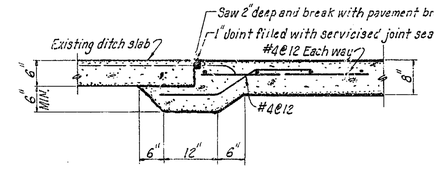
SCALE	DATE	DRAWN: R.A.G.	SHEET 9
AS SHOWN	AUG. 1980	CHECKED:	OF 40



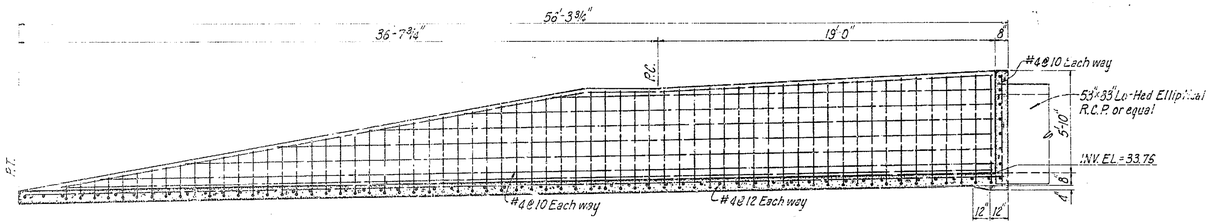
PLAN
Scale: 1"=5'



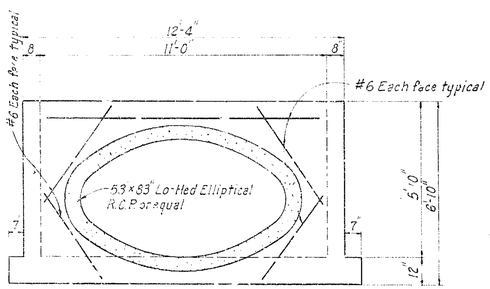
SECTION A-A
Scale: 3/4"=1'-0"



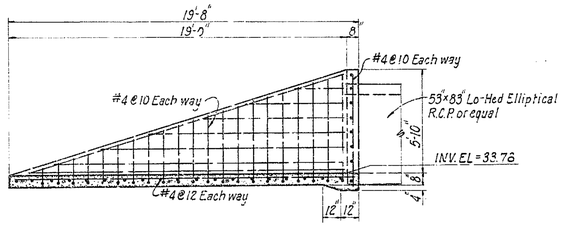
JOINT DETAIL
Scale: 3/4"=1'-0"



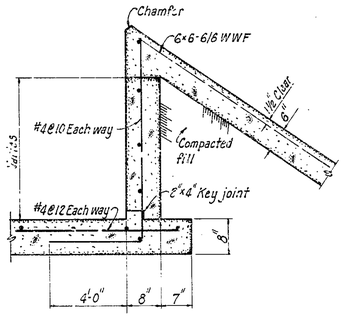
ELEVATION NORTH WALL
Scale: 1/4"=1'-0"



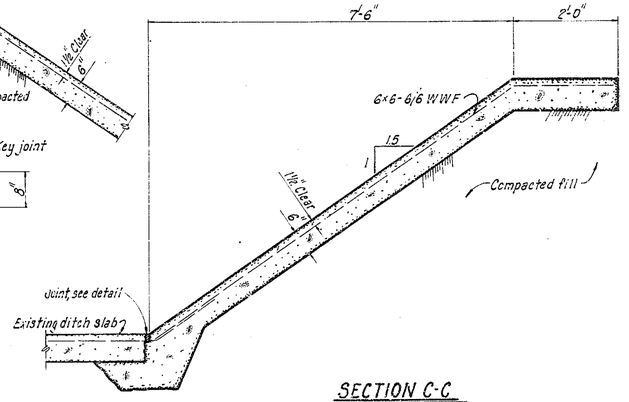
ELEVATION HEADWALL
Scale: 3/8"=1'-0"



ELEVATION SOUTH WALL
Scale: 1/4"=1'-0"



SECTION B-B
Scale: 3/4"=1'-0"



SECTION C-C
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

1 0 1 2 5 1 0 6 2 0

ALBUQUERQUE, NEW MEXICO

PAVING DISTRICT NO. 127

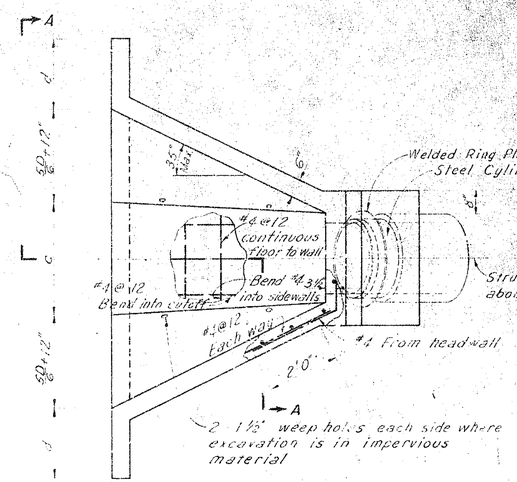
OUTLET STRUCTURE FOR JUAN TABO STORM SEWER

GORDON HERKENHOFF & ASSOCIATES, INC.
CONSULTING ENGINEERS
ALBUQUERQUE NEW MEXICO

SCALE	DATE	DRAWN: RAS	SHEET 10
AS SHOWN	JUNE, 1960	CHECKED: GAJ	OF 43

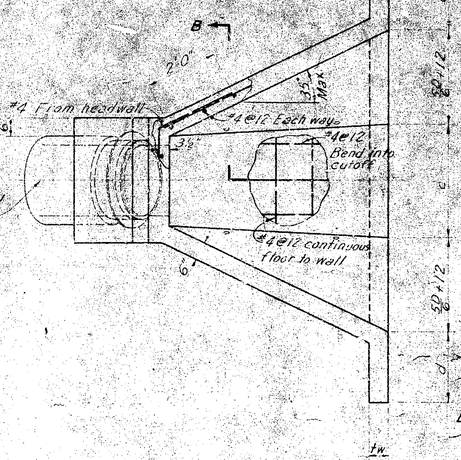
LONGITUDINAL SECTION

Not to Scale



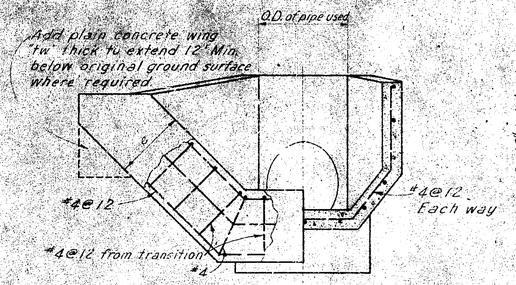
PLAN - INLET TRANSITION

Scale: ½"=1'0"



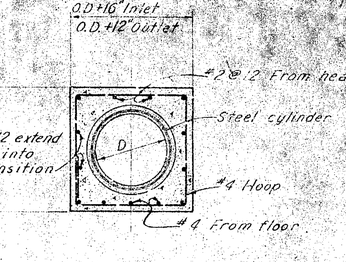
PLAN - OUTLET TRANSITION

Scale: ½"=1'0"



SECTIONS A-A AND B-B

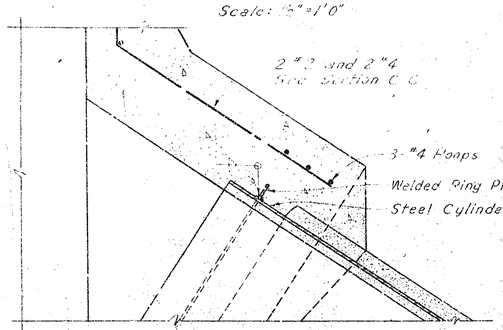
Scale: ½"=1'0"



SECTION C-C

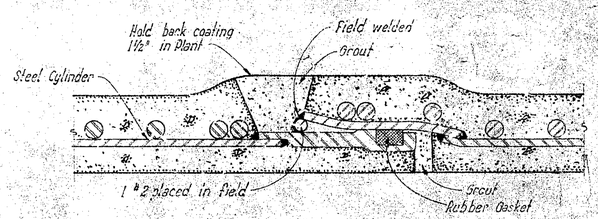
Scale: ½"=1'0"

TABLE OF DIMENSIONS					
D	a	c	d	e	tw
18"	24"	2'-4"	18"	18"	6"
24"	2'-2"	3'-2"	24"	24"	6"
30"	2'-6"	4'-0"	2'-6"	2'-6"	8"
36"	2'-8"	4'-10"	2'-6"	2'-6"	8"
42"	2'-10"	5'-8"	2'-6"	2'-6"	8"
48"	3'-0"	6'-6"	2'-6"	2'-6"	8"
54"	3'-0"	7'-4"	2'-6"	2'-6"	8"
60"	3'-0"	8'-2"	2'-6"	2'-6"	8"
72"	3'-0"	9'-10"	2'-6"	2'-6"	8"
84"	3'-0"	11'-6"	2'-6"	2'-6"	8"



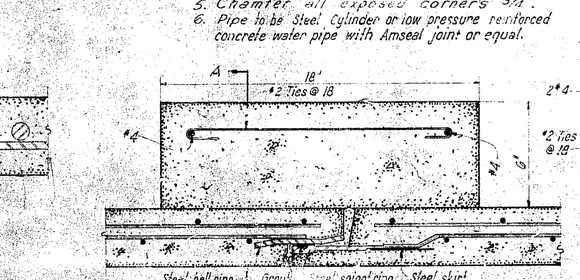
DETAIL "A"

Scale: 1½"=1'-0"



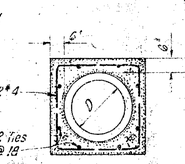
STEEL CYLINDER JOINT DETAIL

Not to scale



LOW PRESSURE REINFORCED CONCRETE PIPE JOINT DETAIL

Not to scale



NOTES:

1. All reinforcement in monolithic concrete shall be placed so that the centers of bars in the outer layer will be 2" from outer face, unless otherwise shown.
2. Lap all bars 20 diameters at splices.
3. Berms may be necessary at either or both headwalls to suit actual laying length of pipe.
4. Values of c as given in table of dimensions may be changed as directed if 35° max. transition wall divergence is not exceeded.
5. Chamfer all exposed corners ¾".
6. Pipe to be Steel Cylinder or low pressure reinforced concrete water pipe with Amseal joint or equal.

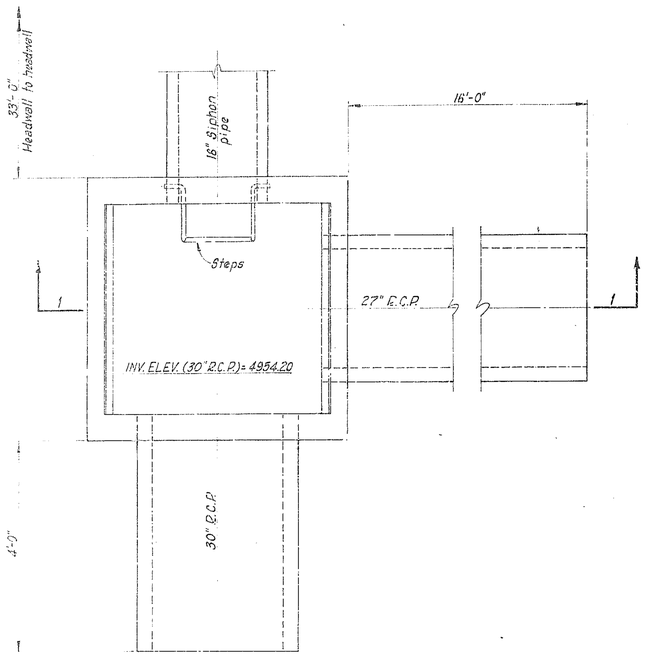
ALBUQUERQUE, NEW MEXICO

PAVING STANDARD

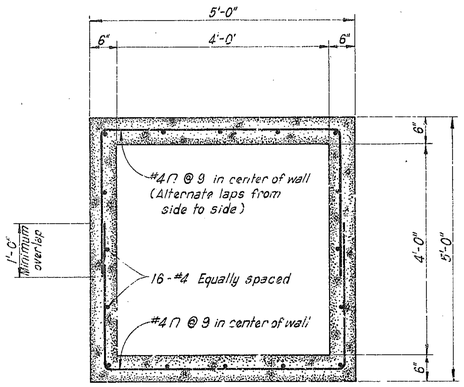
TYPICAL SIPHON DETAILS

GORDON HERKENHOFF & ASSOCIATES, INC.
CONSULTING ENGINEERS
ALBUQUERQUE, NEW MEXICO

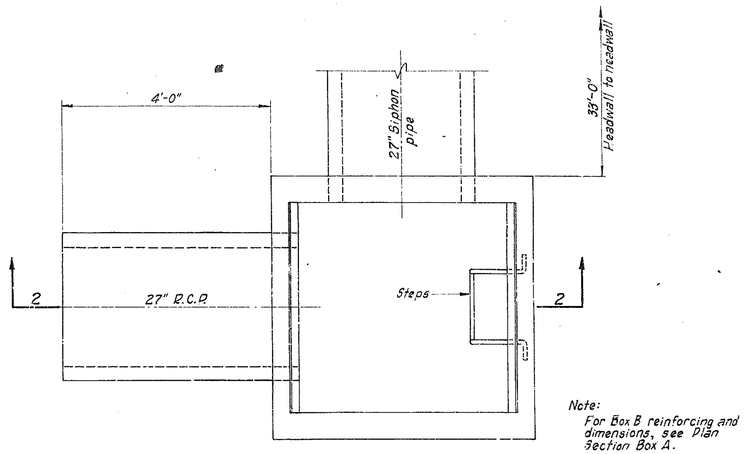
SCALE	DATE	DRAWN: R.D.M.	SHEET 11
AS SHOWN	OCT. 1959	CHECKED: G.A.J.	OF 40



PLAN

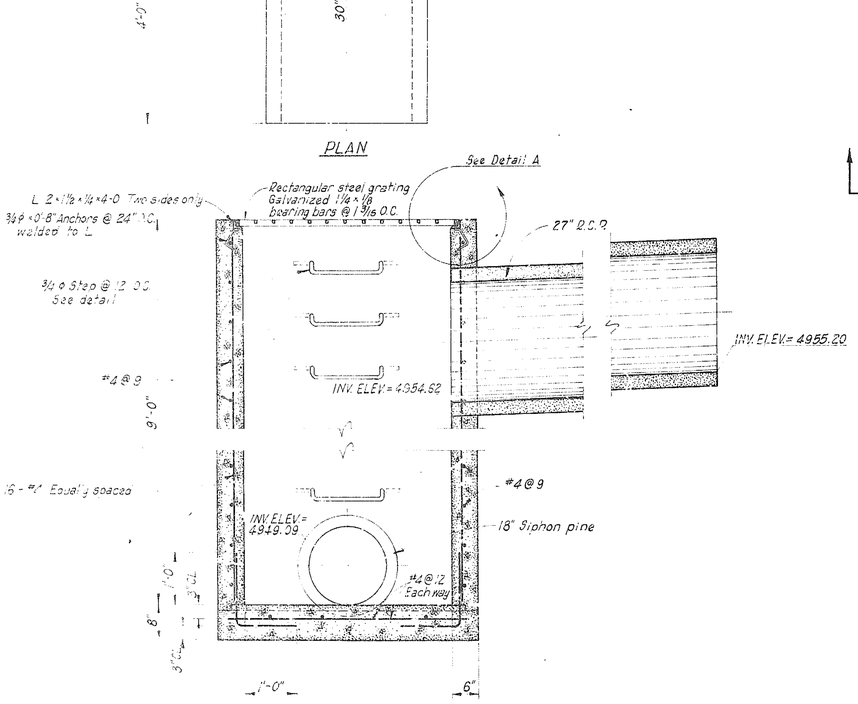


PLAN SECTION



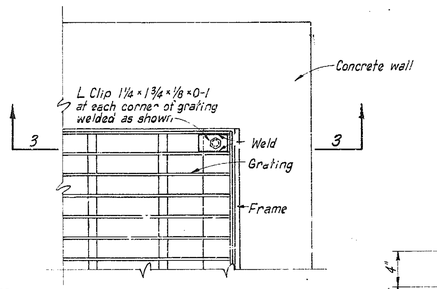
PLAN

Note:
For Box B reinforcing and dimensions, see Plan Section Box A.

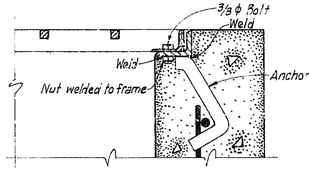


SECTION 1-1

BOX A
Scale: 3/16" = 1'-0"

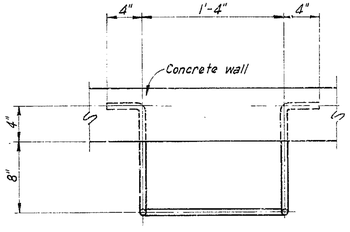


PLAN

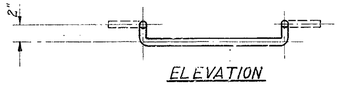


SECTION 3-3

DETAIL A
Scale: 3" = 1'-0"

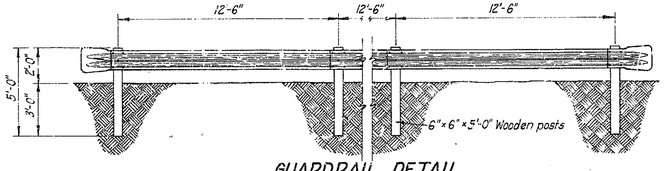


PLAN

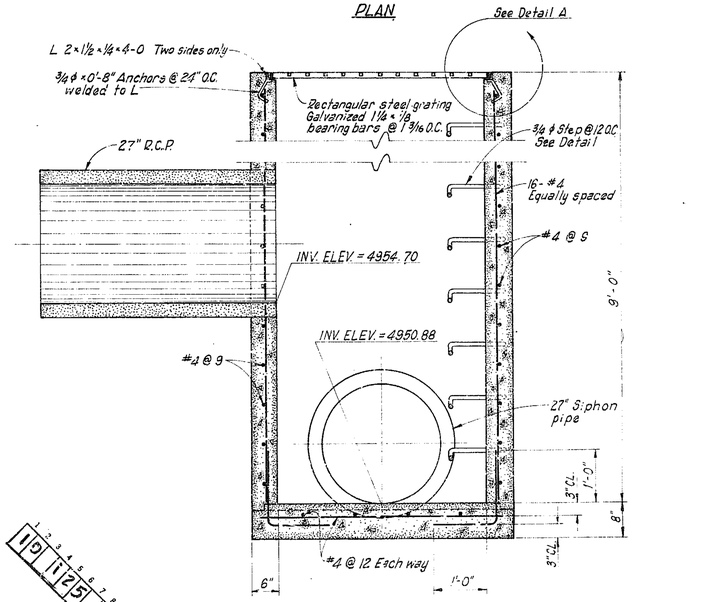


ELEVATION

STEP DETAIL
Scale: 1½" = 1'-0"

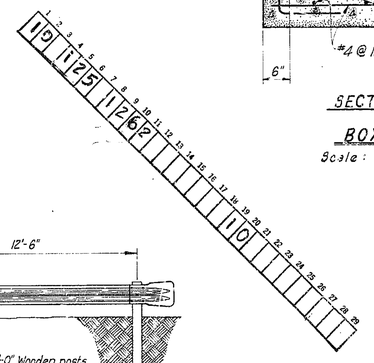


GUARDRAIL DETAIL
Scale: ¼" = 1'-0"



SECTION 2-2

BOX B
Scale: 3/4" = 1'-0"



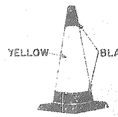
ALBUQUERQUE, NEW MEXICO	
PAVING DISTRICT 125 AND 127 HAHN AND EMBUDO ARROYO STREET CROSSING IMPROVEMENTS	
SIPHON BOX AND GUARD RAIL DETAILS	
GORDON HERKENHOFF & ASSOCIATES, INC. CONSULTING ENGINEERS ALBUQUERQUE NEW MEXICO	
SCALE: AS SHOWN	DATE: APRIL 1961
DRAWN: C.E.T.	SHEET 12 OF 40
CHECKED:	

18" TRAFFIC CONE

TO BE USED TO CHANNELIZE TRAFFIC IN CONSTRUCTION AREA ONLY. TO BE USED TO SEPARATE TRAFFIC LANES WHEN ONE SIDE OF DIVIDED STREETS IS USED.

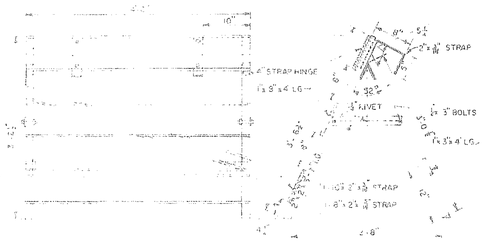
FLASHER

TO BE USED TO SUPPLEMENT BARRICADES FROM SUNSET TO SUNRISE.
7" LENSE MAY BE USED ALONE.
4½" LENSE MUST BE SUPPLEMENTED WITH 7" LENSE OR FLARE POT.



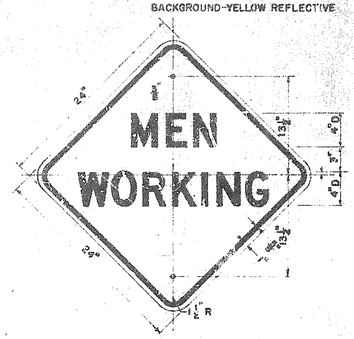
30" TRAFFIC CONE

TO BE USED TO SUPPLEMENT BARRICADE "B" OR OPTIONAL "S" FOR TEMPORARY STREET CLOSINGS AND MAY BE USED WITH POLICE OFFICER OR FLAGMAN FOR STREET CLOSING.

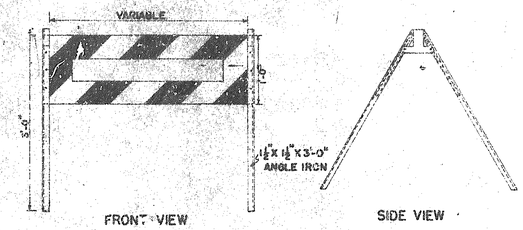


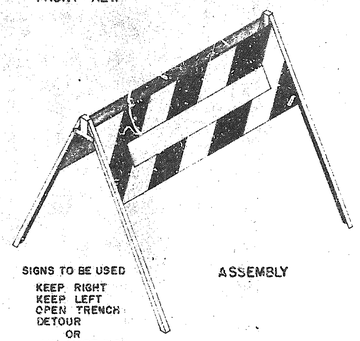
FLARE POT

TO BE USED TO SUPPLEMENT BARRICADES AND FLASHERS FROM SUNSET TO SUNRISE.



W-26
24"x24"



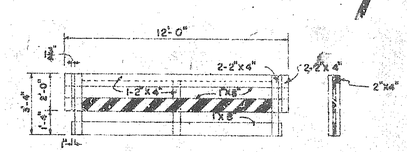


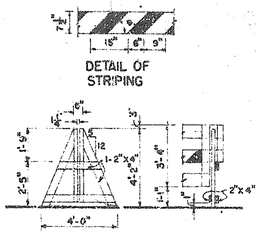
SIGNS TO BE USED
KEEP RIGHT
KEEP LEFT
OPEN TRENCH
DETOUR
OR
ANY GUIDE SIGN

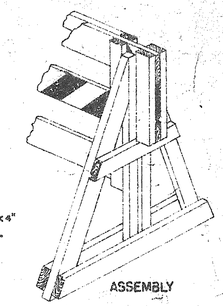
ASSEMBLY

BARRICADE "G" (OPTIONAL)

SAME USES AS BARRICADE "B"



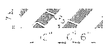




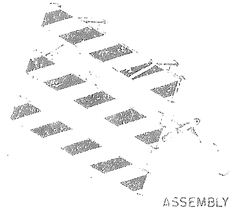
ASSEMBLY

BARRICADE "C"

BARRICADE "C" SHALL BE CONSTRUCTED AS ABOVE DESIGN OR EQUAL. BARRICADES OF SUBSTANTIAL CONSTRUCTION WHICH CORRESPOND IN SIZE & COLOR TO BARRICADE "C" SHALL BE CONSIDERED EQUAL. BARRICADE C WITH APPROPRIATE SIGNS MAY BE USED TO CLOSE RESIDENTIAL OR COLLECTOR STREETS FOR MORE THEN 10 DAYS. BARRICADE C MAY BE USED TO CLOSE FEDERAL ROUTES, STATE HIGHWAYS OR THOROUGHFARES FOR HOURS OTHER THAN BETWEEN 9:00A.M.- 4:00P.M.

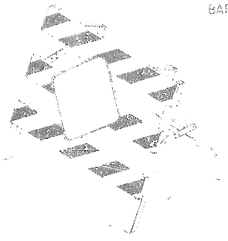


DETAIL OF STRIPING



ASSEMBLY

BARRICADE "G"

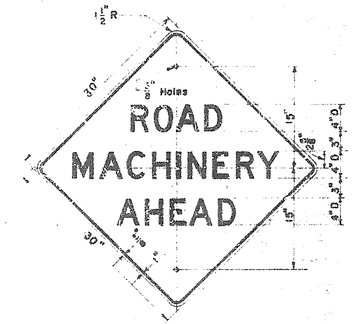


BARRICADE "G" WITH SIGN

BARRICADE "G" SHALL BE CONSTRUCTED AS THE ABOVE DESIGN OR EQUAL. BARRICADES OF SUBSTANTIAL CONSTRUCTION WHICH CORRESPOND IN SIZE & COLOR TO BARRICADE "G" WILL BE CONSIDERED EQUAL. BARRICADE "G" SHALL BE USED WITH APPROPRIATE WARNING & GUIDE SIGNS BY MAINTENANCE OR CONSTRUCTION CREWS, WHERE WORK IS BEING CONDUCTED IN OR NEAR THE ROADWAY, OR ANY TYPE PUBLIC HAZARD WHICH IS CREATED BY THE WORK. BARRICADE "S" SHALL BE USED AS AN ADVANCE WARNING SIGN BARRIER. BARRICADE "S" MAY BE USED TO CLOSE RESIDENTIAL OR COLLECTOR STREETS FOR 10 DAYS OR LESS. BARRICADE "G" MAY BE USED TO CLOSE PRIMARY ARTERIAL TYPE STREETS BETWEEN 9:00A.M. - 4:00P.M.

NOTE
ALL BARRICADES TO BE PAINTED WHITE REFLECTORIZED & BLACK

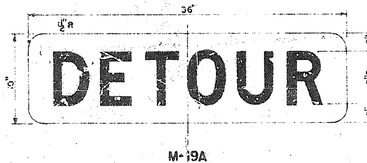
R-17
18"x 24"



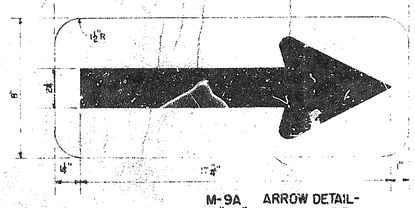
W-147
30"x30"

W-155
30"x30"

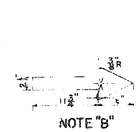
ALL SIGNS SHOWN BELOW EXCEPT M 20A (L) TO BE AS FOLLOWS:



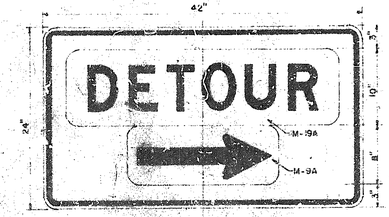
M-19A
36"x10"



M-9A
20"x8"
ARROW DETAIL-
SEE NOTE "B"



D-34
55"x15½"



M-19B
42"x24"

D-35
85"x13"

STANDARD CONSTRUCTION SIGNS & BARRICADES

TRAFFIC ENGINEERING DEPT.
IN ACCORDANCE WITH
NEW MEXICO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS & HIGHWAYS

SCALE	DATE	DRAWN	SHEET 13
NOT TO SCALE	APRIL '66	CHECKED	OF 40

EAST CENTRAL BUSINESS ADDITION

LAND OF WILLIAM K ULAKAKIS LA CUESTA SUBDIVISION

SEC. 27, T 10 N, R 4 E, N.M.P.M.

SEC. 21, T 10 N, R 4 E, N.M.P.M.

SEC. 22, T 10 N, R 4 E, N.M.P.M.

1. LA CUESTA SUBDIVISION

BLOCK 5 · BLOCK 18 · BLOCK 19 · BLOCK 1 · BLOCK 2 · BLOCK 8

JUAN · TABO · BOULEVARD · BUENA VENTURA · N.E.

Existing right of way · Right of way · Existing curb and gutter · Edge of existing asphalt

Water valve · Fire hydrant · Log fence · 5" Asbestos cement conduit · Conduit Junction Box · 2" Conduit Conduit Junction Box · 2" Rigid conduit · Water valve box · Asphalt curb · Cutoff wall · Rip-rap See details sheet 15 · 6' Sidewalk west side only Central AVE. to Freeway · Flatten 6 intersection · Existing right of way (Coronado Freeway)

EAST CENTRAL AVENUE STATION CHORD

BEGIN CONSTRUCTION STA. 0+20.5 B.M.

END CONSTRUCTION STA. 13+47.45

Note: Sidewalks and drivepads on Juan Tabo to be built on west side only as indicated.

P.I. STA. 7+84.45 Section corner (Nail) Δ = 00° 49' Lt.

STA. 0+61.2 · STA. 3+29.80 · STA. 5+48.20 · STA. 7+22.86 · STA. 8+44.13 · STA. 10+64.76 · STA. 11+13.76

SKY LINE N.E. STA. 7+84.46 · RD. N.E. STA. 11+13.76 · HOPE STA. 11+58.45

10" V.H.P. · 31.75 · 10" V.H.P.

Plan: 1" = 50'

Profile: Horiz. 1" = 50' Vert. 1" = 5'

Existing ground · West curb · East curb

+10.3084 % · -0.9429 % · -1.2286 % · -0.2536 % · +10.8469 % · +10.7911 %

P.C. Curb return ELEV. = 5535.13 · P.T. Curb return ELEV. = 5533.44 · P.C. Curb return ELEV. = 5530.76 · P.T. Curb return ELEV. = 5530.62 · P.C. Curb return ELEV. = 5530.62 · P.T. Curb return ELEV. = 5530.63 · P.C. Curb return ELEV. = 5530.63 · P.T. Curb return ELEV. = 5534.51

P.V.I. 100' V.C. M.O. = 0.19 (5536.55) 5536.36 · P.V.I. 100' V.C. M.O. = 0.16 (5535.55) 5536.39 · P.V.I. 100' V.C. M.O. = 0.06 (5532.25) 5532.34 · P.V.I. 100' V.C. M.O. = 0.12 (5552.25) 5552.37 · P.V.I. 100' V.C. M.O. = 0.25 (5553.50) 5553.75 · P.V.I. 100' V.C. M.O. = 0.13 (5530.50) 5530.63 · P.V.I. 100' V.C. M.O. = 0.18 (5530.50) 5530.68

Top of existing curb ELEV. = 5536.80 · Top of existing curb ELEV. = 5534.61

Double "C" Inlet STA. 34+65 · Double "C" Inlet STA. 34+90 · Double "C" Inlet STA. 33+96 · Single "C" Inlet STA. 38+35 · Single "C" Inlet STA. 40+10 · Double "C" Inlet STA. 44+15 · Double "C" Inlet STA. 47+55

El. STA. 31+18.00 1/8 Section corner (4" I.P.) L = 1'-0" Rt.

3½' Sidewalk west side only. Freeway to Lomas BLVD.

Turn out grade away from STA.

4' DIA. Type "C" Manhole STA. 37+95 · 4' DIA. Type "C" Manhole STA. 40+00 · Junction Box STA. 44+00 · 4' DIA. Type "C" Manhole STA. 47+46

STA. 35+91 · STA. 37+43 · STA. 38+53.0 · STA. 39+93.0 · STA. 41+93.0 · STA. 43+13.0 · STA. 43+53.0 · STA. 44+93.0 · STA. 46+03.0 · STA. 47+43.0

STA. 47+45.85 1/8 Section corner (4" I.P.)

B.M. - Top T-Rail 185' Rt. of STA. 33+50 ELEV. 5552.72

GENERAL NOTES:

1. All obstructions within the right-of-way limits to be removed by the contractor. Cost of removing obstructions to be included in the unit price for grading.
2. Elevations and grades are to top of curb

GENERAL NOTES (Continued)

3. Radii of curb returns to be 14' to the face of curb unless otherwise shown.
4. Sidewalks to be 42" wide unless otherwise shown.

SCALES

Plan 1" = 50'

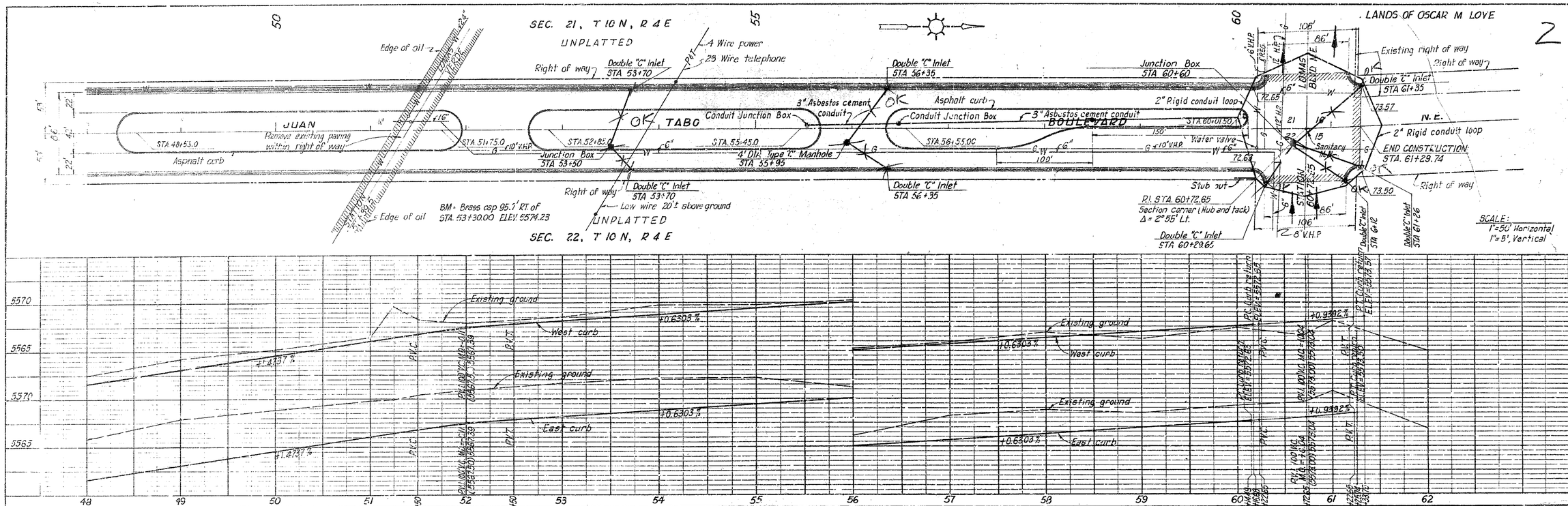
Profile Horiz. 1" = 50' Vert. 1" = 5'

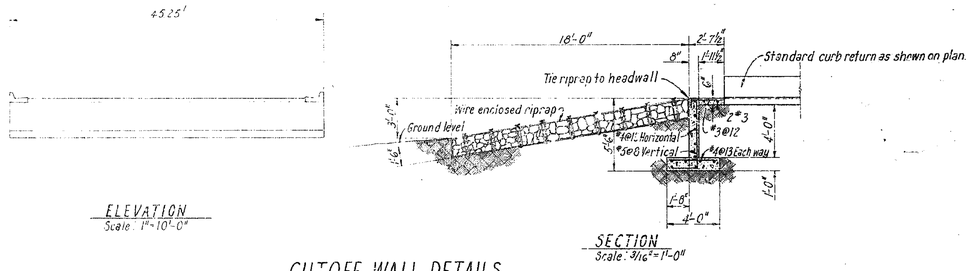
PLAN — SUBMITTED · PLOTTED · ALIGNMENT CHECKED · NOTE BOOK · JOB CONTROL NO. · DATE 3-61 · BY C.E.T.

PROFILE — NOTE BOOK

BRUNING No. 6052

PLATE 2—PLAN—PROFILE O. P. R. & R. E. 100% LINE PAPER-MAIL AND PRINTED IN U. S. A. CHARLES BRUNING COMPANY, INC.





CUTOFF WALL DETAILS
FOR BUENA VENTURA ROAD N.E.

GENERAL NOTES:
1. All obstructions within the right of way limits to removed by the contractor. Cost of removing obstructions to be included in the unit price for grading.
2. Elevations and grades are to the top of the curb
3. Radii of curb returns to be 14' to the face of curb unless otherwise shown.
4. Sidewalks to be 42" wide unless otherwise shown.

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 1 2 5 1 5 6 2 0 1 0 2 5 7 2 1 1

PLAN — SURVEYED, PLOTTED, NOTE LOOP, NO

PROFILE — NOTE LOOP, NO

BRUN. C. No. 6027

PLATE 2—PLAN—PROFILE O. P. R. & R. E.
100% RAG PAPER—MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC.

PLAN — SURVEYED / ACCEPT CHANGES / NOTE BOOK / NO

PROFILE — NOTE BOOK / NO

JUAN TABO ROAD N.E.

STA. 0+00 Begin Construction tie-in with structure see sheet 10

Concrete lined channel

Junction Box remove and replace 4' cones

STA. 0+28.53 Begin 53"x83" Lo-Hed Elliptical R.C.P. or equal.

P.I Station 0+55 Δ= 83° 10'41" LT

P.P.

53"x 83" Lo-Hed Elliptical R.C.P. or equal.

24"R.C.P.

Connect existing outlet to manhole

STA. 7+01.0 Build 4' DIA. type "C" manhole

Station 10+19.40 back
Station 9.3+50.00 ahead

Junction Box NO.2

P.I. STA. 9+47.20 Δ= 14° 23' 54"

Station 34+18.00 1" I.P. ⅛ Corner Δ 1° 01' Rt.

Junction Box NO.3

P.I STA. 34+10 Ahead =

EQUATION STA. 10+68.19 Back Δ= 20°01' Rt

53"x83" Lo Hed Elliptical R.C.P. or equal

STA. 37+95.0 Build 4' DIA. Type "C" manhole

Stub out 45°36" R.C.P. S=0.01 plug in manhole

COPPER AVE. N.E.

Existing Ground

S=0.0081

53"x83" Lo-Hed Elliptical R.C.P. or equal

S=0.0066

S=0.0081

EQUATION

S=0.0066

53"x83" Lo-Hed Elliptical R.C.P. or equal

5550 / 5540 / 5530

0 1 2 3 4 5 6 7 8 9 10 34 35 36 37 38

SEC. 21 T. 10 N. R. 4 E. N.M.P.M.

38 40 45 50 53

JUAN TABO ROAD N.E.

STA. 40+00 Build 4' DIA. Type "C" Manhole

53"x83" Lo-Hed Elliptical R.C.P. or equal

STA. 44+00 Junction Box NO. 4

60" R.C.P.

STA. 47+46 Build 4' DIA. Type "C" Manhole

60" R.C.P.

STA. 50+50 Build 4' DIA. Type "C" Manhole

60" R.C.P.

Station 47+45.85 1" I.P. ⅛ Section corner

Land of Dale Bellamah

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 1 2 5 1 6 6 2 0 1 5 7 2 1 2

57211

SEC. 22 T. 10 N. R. 4 E. N.M.P.M.

5570 / 5560 / 5550 / 5540

Existing Ground

S=0.0066

53"x83" Lo-Hed Elliptical R.C.P.

S=0.0066

53"x83" Lo-Hed Elliptical R.C.P. or equal

S=0.0122

60" R.C.P.

S=0.0122

60" R.C.P.

S=0.0122

60" R.C.P.

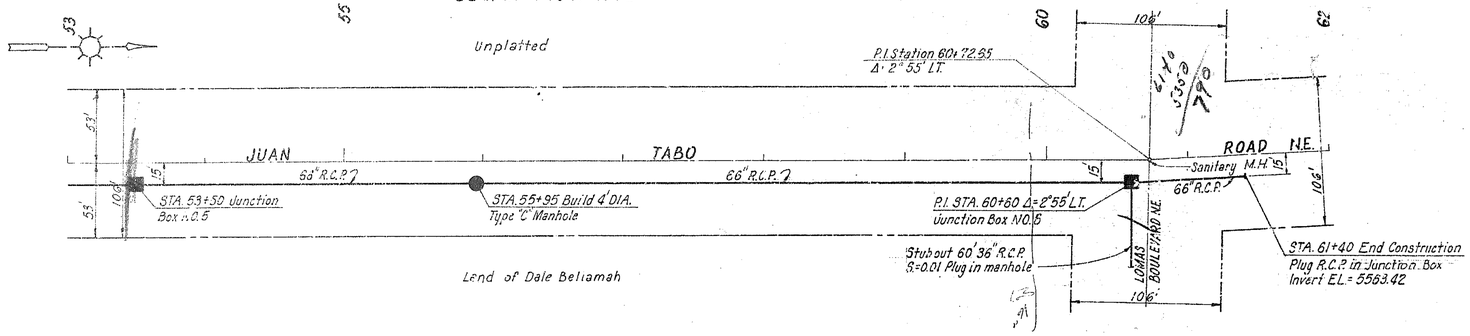
38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53

BRUNING No. 602T

PLATE 2—PLAN—PROFILE O. P. R. & R. E.

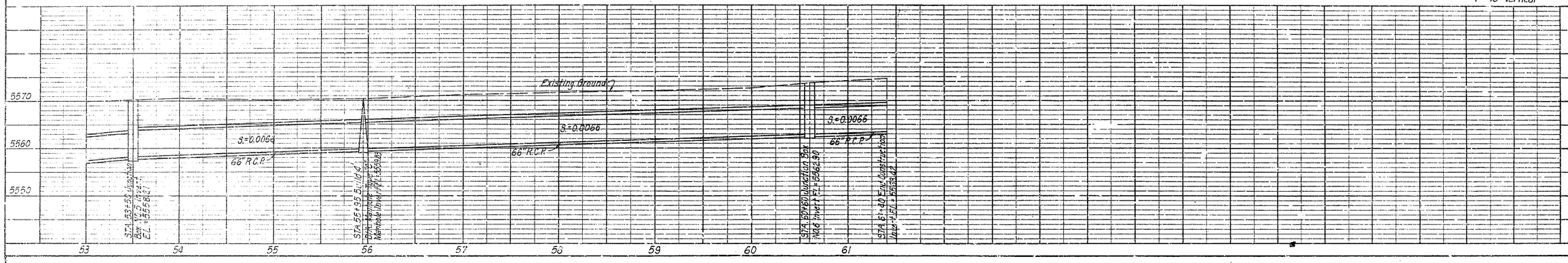
PD 125, 127 AND STREET CROSSING IMPROVEMENTS SHEET 16 OF 47

SECTION R4E



Scale
1"= 50' Horizontal
1"= 10' Vertical

PLAN



PROFILE

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 1 2 5 1 7 6 2 0 1 5 7 2 1 1

KNAPP HEIGHTS ADDITION — SEC. 31, T 11 N, R 4 E, N.M.P.M.

T11N, R3E T11N, R4E — T10N, R3E T10N, R4E

BLOCK 3 — BLOCK 4 — BLOCK 5 — UNPLATTED

MONTGOMERY BOULEVARD N.E. — LOUISIANA BOULEVARD N.E.

3" Asbestos cement conduit — Conduit Junction Box — 2" Rigid conduit — Conduit Junction Box

Sanitary M.H. — Water valve — 2" Rigid conduit loop — 4" Wilson valve box — Stub out

Water valve — Water valve — Water valve — Water valve — Water valve

Asphalt curb — Hub & tack — 12" V.H.P.

STA. 0+00 — STA. 1+39.13 — STA. 4+73.13 — STA. 5+83.13 — STA. 7+30.13 — STA. 9+16.13 — STA. 13+69.79

CHAMA ST. N.E. STA. 5+22.13 — MESILLA ST. N.E. STA. 8+58.13

TRACT A — TRACT C

BEGIN CONSTRUCTION STA 0+47

To KGGM mast — Hub and tack — 1" I.P.x.c. pipe

Bench Mark: Brass cap set in mound of concrete, back of S.W. curb return at Comanche and Louisiana. ELEV. 5299.67.

GENERAL NOTES:
1. All obstructions within the right of way limits to be removed by the contractor. Cost of removing obstructions to be included in the unit price for grading.
2. Elevations and grades are to the top of curb.
3. Radii of curb returns to be 14' to the face of curb unless otherwise shown.

STARDUST SKIES ADDITION UNIT 4

REFERENCE POINTS

PLAN — SURVEY — NOTE BOOK — ALIGNMENT CHECKED — PT OF WAY CHECKED — DATE 3-6

PROFILE — NOTE BOOK — DATE 3-6

Existing ground — North curb — South curb — P.V.I. — P.V.C. — P.V.T.

SEC. 31, T 11 N, R 4 E, N.M.P.M.

NOTE: For structure details see Sheet 40

STA. 19+90 Build Double C inlet — STA. 19+62 Build 6' DIA. Type A manhole — STA. 20+40 Build Double C inlet — STA. 20+12 Build 6' DIA. Type A manhole

Structure STA. 19+38 — STA. 19+17.79 — STA. 15+14.79 — STA. 18+35.79 — STA. 22+03.96 — STA. 22+93.96 — STA. 25+80.13

Asphalt curb — 12" V.H.P. — 1" Iron pipe — Proposed Telephone Co's 3½" transite

UNPLATTED — PROPOSED JUNIOR HIGH SCHOOL BLOCK 15

TRACT D — TRACT E — Drainage and Utility Easement

To KGGM mast — ½" Iron pipe — Hub and tack

REFERENCE POINT STA. 26+45.13

STA. 26+45.13 Δ = 00°-32'-30" Rt. — ½" Iron pipe — ¼ Section corner — N.E. — DENVER, LA JUNTA & NEW MEXICO R.R. CO. STA. 26+45.13

STA. 27+10.13

UNPLATTED

STARDUST SKIES ADDITION UNIT 4

SEC. 6, T 10 N, R 4 E, N.M.P.M.

PLATE 2—PLAN—PROFILE O. P. R. & R. C.
100% RAG PAPER—MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC.

BRUNING No. 3027

P.D. 125, 127 AND STREET CROSSING IMPROVEMENTS SHEET 18 OF 40

SEC. 31, T 11 N, R 4 E, N.M.P.M.

UNPLATTED

Right of way

MONTGOMERY W

W BOULEVARD

Guy

P.P.

Power line

36"

N.E.

Sanitary M.H.

STA 31+69.0

STA 32+59.0

STA 37+11.0

STA 38+07.0

STA 42+65.0

STA 43+55.0

12" V.H.P.

8" W

8" S

R-21

295.14'

174.86'

VERMONT ST. N.E.

STA 43+15.17

60'

1

2

Right of way

UNPLATTED

Low point
No drainage indicated

SEC. 6, T 10 N, R 4 E, N.M.P.M.

LA MIRADA ADDITION

Existing ground

North curb

South curb

+3.1667 %

+1.1947 %

PVC

PVT

5380

5370

5390

5400

5410

30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45

SEC. 31, T 11 N, R 4 E, N.M.P.M.

UNPLATTED

North level
Not quite
downstream
station

Power line

P.P.

Right of way

MONTGOMERY

BOULEVARD

36"

8" W

8" S

R-21

STA 48+59.3

STA 49+03.0

STA 52+04.72

304.30'

224.77' Stub out

Junction box

Proposed Telephone Co's 3½" transite

END CONSTRUCTION
STA. 52+29.29

Double C inlet

Existing curb and gutter

2" Rigid conduit N.E.

Iron pipe

Edge of existing asphalt

Junction box G

G.V.

Existing curb and gutter

WYOMING

Asphalt

REG. Pit

N.E.

BOULEVARD

8" H.P.

6"

T 11 N - R 4 E N.M.P.M.

31 32
6 5

T 10 N - R 4 E N.M.P.M.

GENERAL NOTES :
1. All obstructions within the right of way limits to be removed by the contractor. Cost of removing obstructions to be included in the unit price for grading
2. Elevations and grades are to the top of curb.
3. Radii of curb returns to be 14' to the face of curb unless otherwise shown.

Bench mark: Southwest corner on concrete step south side Thomas Pump Station chiseled □ ELEV=5442.24

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 | 1 2 5 | 1 9 6 2 | 0 2 | 6 1 1 9 2

SCALE
1" = 30' Horizontal
1" = 10' Vertical

LA MIRADA ADDITION

Existing ground

North curb

South curb

+4.0714 %

+3.2413 %

+3.8571 %

+3.8330 %

PVC

PVT

5420

5410

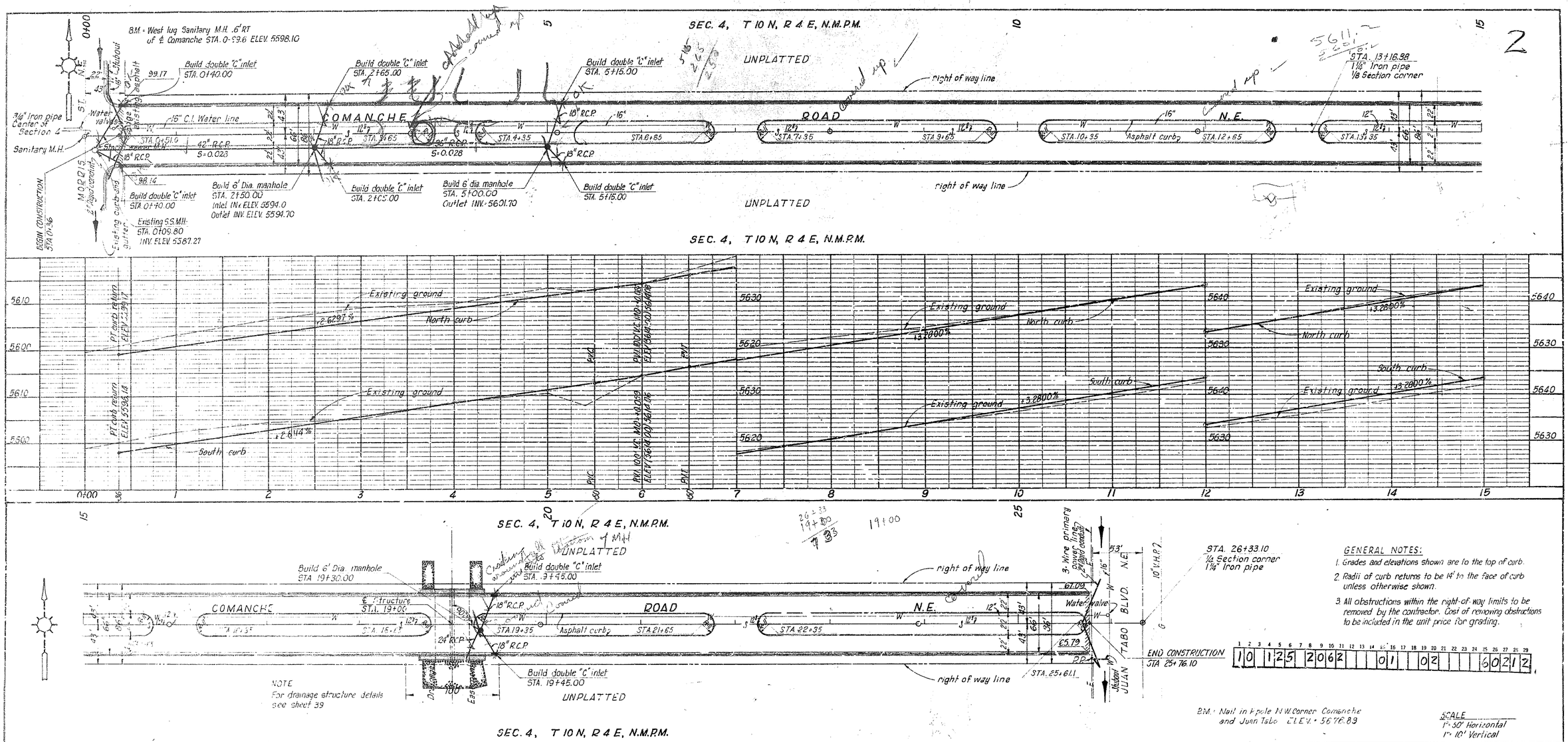
5400

45 46 47 48 49 50 51 52

PLATE 2—PLAN—PROFILE G. P. R. & R. E.
100% RAG PAPER—MADE AND PRINTED IN U.S.A.
CHARLES BRUNING COMPANY, INC.

BRUNING No 6021

P.D. 125, 127 AND STREET CROSSING IMPROVEMENTS SHEET 15 OF 40



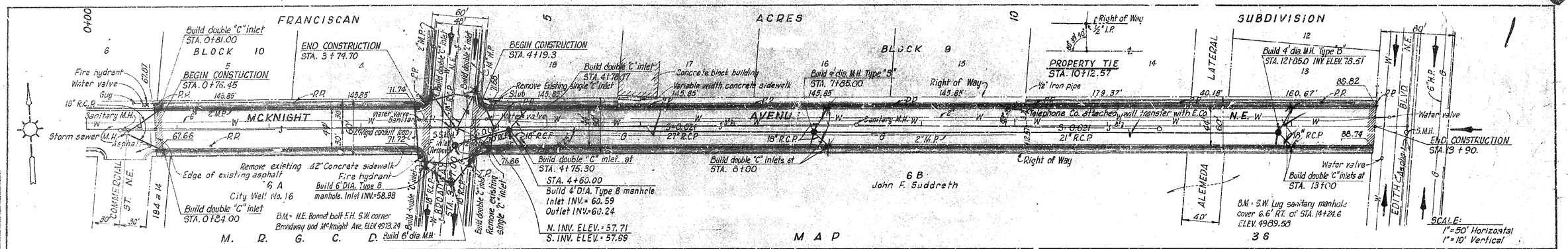
PLAN — SURVEYED ... NOTE BOOK ... ALIGNMENT CHECKED ... P.I. OF WAY CHECKED ... DATE March 64

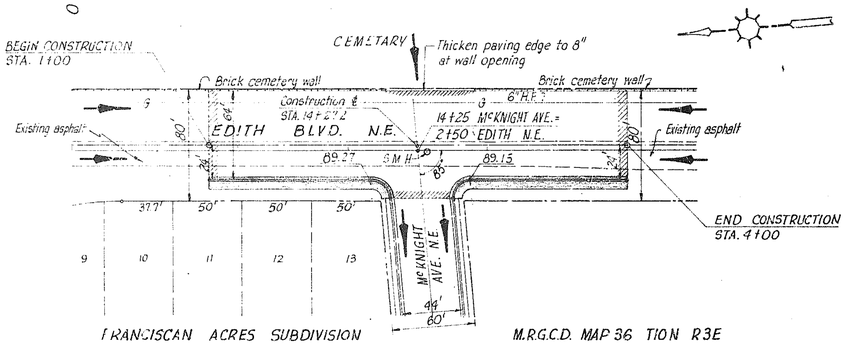
PROFILE — R A M ... R A M ... NOTE BOOK

BRUHNS No. 6021

PLATE 2—PLAN-PROFILE O. P. R. & R. E.
100% RAG PAPER—MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC

P.D. 125, 127 ANL STREET CROSSING IMPROVEMENTS SHEET 20OF40





NOT CONSTRUCTED

GENERAL NOTES:
1. Grades and elevations shown are to the top of curb.
2. Radii of curb returns to be 14' to the face of curb unless otherwise shown.
3. Build 4" crown on paving - Broadway to Edith.
4. Remove all four existing curb returns at Broadway and Mc Knight
5. Sidewalk in front of lots 15, 16, and 17, Block 9, and at curb returns at Broadway and McKnight shall be 42" wide. All other sidewalk shall be 6' wide.

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
10 12 5 21 62

SCALES:
Horizontal = 1"= 50'
Vertical = 1"= 5'

FRANCISCAN ACRES SUBDIVISION M.R.G.C.D. MAP 36 TION R3E

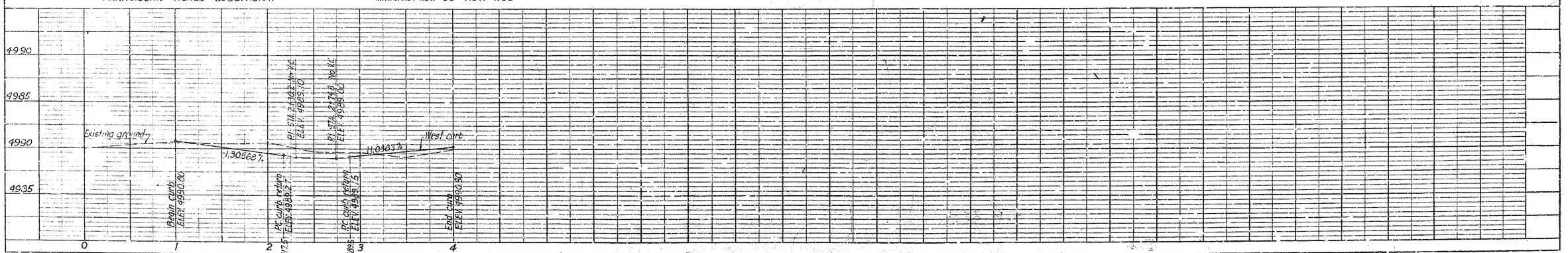


PLATE 2—PLAN—PROFILE O. P. R. & R. E.
100% RAG PAPER—KIMBLE AND PERKINS IN U. S. A.
CHARLES BRUNING COMPANY, INC.

P.D. 125, 127 AND STREET CROSSING IMPROVEMENTS SHEET 21 OF 40

M.R.G.C.D. MAP 38

TOWNSHIP 10 NORTH

RANGE 2 EAST

SECTION 13

2

CURVE DATA :
Δ = 09° 25' 00" RT.
D = 6° 00' 00"
P.I. = 10+54.37
T = 78.65'
P.C. = 9+75.72
L = 156.94'
P.T. = 11+32.66
R = 954.93'

16" Elm
15" Elm
15" Elm
24" Elm
5' Hog wire fence
55.27
Survey ℄
S.M.H.
Asphalt
BEGIN CONSTRUCTION
STA. 10+51.00
56.27
T & P Pole
P.C. 9+75.72
4' Hog wire and barb wire fence
P.I. 10+54.37
Existing Right of way
Driveway
18" C.M.P.
P & T Pole
P.T. 11+32.66
12" Concrete headwall
4' Ditch
Gas line
26.34'
582.15'
LAND of FIDEL ROMERO
Right of way
Single "C" inlet (built)
STA. 13+99.00
T and guy
Barb wire fence (poor condition)
6"
W
Remove
36" Concrete pipe
Asphalt
Build 42" siphon @ STA. 11+25
110' headwall to headwall
MOUNTAIN ROAD N.W.
S.M.H.
Gas line
87.0'
T.P.
1009.73'
Right of way
10' Chain link fence
Remove & relocate
Single "C" inlet (Build)
STA. 13+99.00
AEC RADIATION DETECTION UNIT
24'
30'
60'

PLAN
SURVEYED
DRAWN
NOTE BOOK
ALIGNMENT
N.

4960
4955
4960
4955
8
9
10
11
12
13
14

Begin curb EL EL 4955.27
South curb EL EL 4955.27
0.2500 %
Existing ground
North curb
South curb
P.V.I.
P.V.C. STA 10+00 EL 4956.40
P.V.T. STA 12+56.43 EL 4959.53
P.V.C. STA 10+00 EL 4956.40
P.V.I. STA 12+56.43 EL 4959.53
P.V.T. STA 15+13.03 EL 4962.67

M.R.G.C.D. MAP 38

TOWNSHIP 10 NORTH

RANGE 2 EAST

SECTION 13

Build single "C" inlet STA. 13+99.00
LAND of FIDEL ROMERO
582.15'
Right of way
4' Hog wire and barb wire fence
PP and guy wire
4' Hog wire fence
Adobe adobe
Barb wire fence
PP
PP
Fire hydrant
2x2 Hub and tack
3 Strand barb-wire fence
Lawn
6" Curb
LAND of WALTER H. McCARTHY
149.01'
6" Concrete curb
Right of way
Guy wire
Driveway
LAND of HARRY A. McCARTHY
70.80'
12" Elm
12" Elm
18" Elm
6" Conc. curb
Lawn
70.89'
Driveway
12"
W
6"
Build 4' dia. Type B manhole STA. 14+20.00 INV. ELEV. 49.50
Asphalt
MOUNTAIN ROAD N.W.
Survey ℄
24" R.C.P. S = 0.0025
Build 4' dia. manhole Type B STA. 17+00 Inlet INV. ELEV. 48.75 Outlet INV. ELEV. 46.65
S.M.H.
36" R.C.P.
24" R.C.P. S = 0.0025
2" M.C.
Asphalt
Build 4' dia. manhole Type B STA. 20+00, Inlet INV. ELEV. 47.90 Outlet INV. ELEV. 47.00
42" Hog wire fence
Existing fence
2x2 Hub and tack
35.31'
1009.73'
Right of way
OLD TOWN SCHOOL PROPERTY
Build Single "C" inlet STA. 13+99.00
A.E.C. RADIATION DETECTION UNIT
10' Chain link fence
Remove & relocate
6' Concrete walk
Right of way
Lawn
10' Concrete walk
24'
30'
60'

PROFILE
N.

4955
4950
4955
4950
14
15
16
17
18
19
20

Existing ground
+0.2750 %
North curb
South curb
-0.2992 %
-0.30 (At ℄)
Existing curb
P.V.I. STA 10+00 EL 4956.40
P.V.T. STA 12+56.43 EL 4959.53
P.V.C. STA 10+00 EL 4956.40
P.V.I. STA 12+56.43 EL 4959.53
P.V.C. STA 14+20.00 EL 4955.50
P.V.I. STA 16+62.67 EL 4955.47
P.V.T. STA 19+05.34 EL 4955.43
P.V.C. STA 14+20.00 EL 4955.50
P.V.I. STA 16+62.67 EL 4955.47
P.V.T. STA 19+05.34 EL 4955.43
Top existing curb (typ.) EL EL 4955.31

GENERAL NOTES

1. All obstructions within the right of way limits to be removed by the contractor. Cost of removing obstructions to be included in the unit price of grading.
2. Elevations and grades are to the top of curb
3. Radii of curb returns to be 14' to the face of curb unless otherwise shown.
4. Sidewalks to be 42" wide unless otherwise shown

SCALES :
Plan : 1" = 20'
Profile : Horiz. 1" = 20'
Vert. 1" = 5'

BRUNING No 6027

PLATE 2—PLAN—PROFILE O. P. R. & R. E.
100 % RAG PAPER—MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC

EARLE SUBDIVISION — M.R.G.C.D. MAP 38 — TOWNSHIP 10 NORTH — RANGE 2 EAST — SECTION 13

MOUNTAIN ROAD — ROAD N.W.

Build Single "C" Inlet STA 22+33 — Build Single "C" Inlet STA 24+76.93 — Build Single "C" Inlet STA 22+24 — Build Single "C" Inlet STA 22+75.42

Build 4' Dia. Manhole Type "B" STA 25+00 Inlet INV. ELEV. 46.45 Outlet INV. ELEV. 46.35

Build 4' Dia. Manhole Type "B" STA 22+40 Inlet INV. ELEV. 47.20 Outlet INV. ELEV. 47.10

STA 25+30 - Build 17'-0" x 5'-2½" rise structure. See Sheet 3B

P.I. STA 25+00.00
Δ = 01° 47' 20" LT.
D = 3° 00' 00"
T = 29.82'
L = 59.63'
R = 1909.86'

TRACT 308 — TRACT 307 B — TRACT 273 — TRACT 274 C — TRACT 274 B2 — TRACT 274 A — TRACT 274 B1 A1 A1 A1 C2

Adobe House # 2520 — Adobe House # 2516 — Adobe House # 2510 — Adobe House # 2512

24" R.C.P. 5=0.0025 — 18" R.C.P. — 24" R.C.P. INV. ELEV. 46.27

6" Water line under bridge

Right of Way — Gravel parking area — 3.5' Sidewalk — 6" Concrete curb — 3.5' x 20' Drive pad — Driveway — Porch with roof — Flower bed — Lawn — Irrigation ditch — Arroyo

Existing ground — North curb — South curb — Existing curb — -0.30142% — -0.26642% — +0.38586%

PLAN

PROFILE

GENERAL NOTES:

1. All obstructions within the right of way limits to be removed by the contractor. Cost of removing obstructions to be included in the unit price for grading.
2. Elevations and grades are to the top of the curb.
3. Radii of curb returns to be 14' to the face of curb unless otherwise shown.
4. Sidewalks to be 42" wide unless otherwise shown

Top South edge of finished pavement

SCALE 1" = 20' Horiz. 1" = 5' Vert.

PLATE 2—PLAN—PROFILE O. P. R. & R. E.
100% RAG PAPER—MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC.

BRUNING No. 6027

P.D. 125, 127 AND STREET CROSSING IMPROVEMENTS SHEET 23 OF 40

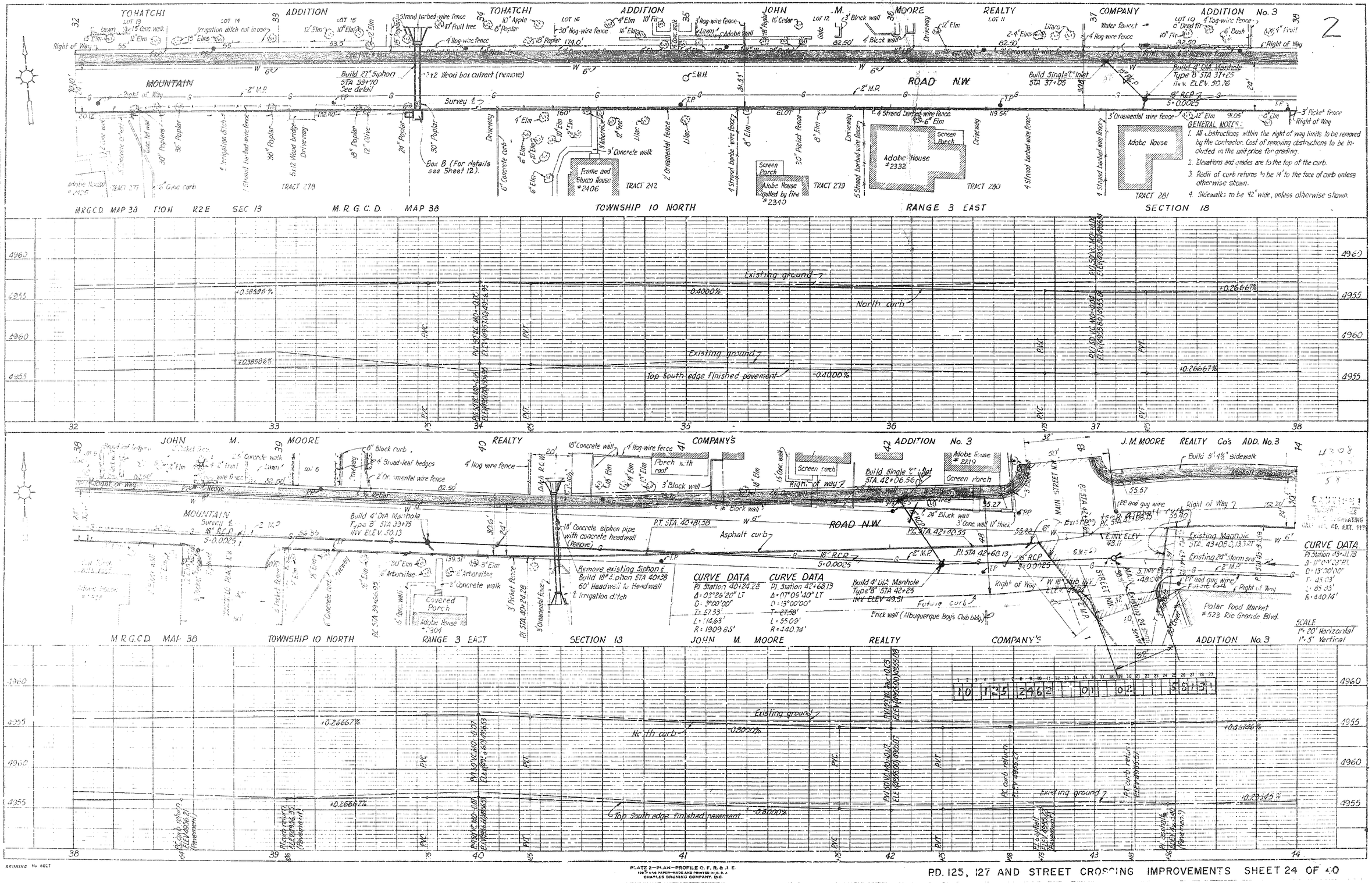


PLATE 2—PLAN—PROFILE O. F. R. & I. E.

PD. 125, 127 AND STREET CROSSING IMPROVEMENTS SHEET 24 OF 40

J. M. MOORE REALTY Co's ADD. No. 3

Concrete drive pad
Build 5'-4½" Sidewalk
Existing 24" Storm sewer M.H.
Remove existing curb and gutter
Light pole
Remove existing return
PP and guy wire
END CONSTRUCTION STA. 44+60.0
MOUNTAIN RD. N.W.
56.19
56.42
INV. 48.37
INV. 48.40
S.S.M.H.
S.M.H.
Existing 24" storm sewer
Edge of asphalt
Right of Way
Remove existing return
Polar Food Market 522 Rio Grande Blvd.
RIO GRANDE BLVD. N.W.
59131

M.R.G.C.D. MAP 38 TOWNSHIP 10 NORTH RANGE 2 EAST SECTION 13

℄ Ditch ℄
4 Hog-wire fence
Rock religious ornament
20" Elm
20" Elm
18" Elm
4' Evergreen
4 Hog-wire and chicken wire fence
M.R.G.C.D. Right of Way ℄
½" I.P. S.W. Cor. of tract 274 B1 A1 A1 B
N7.26'
3/4" Rebar
199.78'
34.05
S.S.M.H.
55.1'
Remove existing curb and gutter
62.03'
92.07'
55.08
℄ Right of Way ℄ PANMUNJOM ROAD N.W.
Build 30" Siphon @ STA. 1+60.00
42" Headwall to headwall
10 Elm
School bus shed
Adobe stucco garage
Adobe stucco House 2402 Mt. Road
Porch
Lawn
16" Elm
8' Elm
TRACT 274 B1 A1 A1 B
END CONSTRUCTION STA. 3706.78
Chiseled X on curb STA 0+00 Survey ℄
DORA AVE. N.W.
BEGIN CONSTRUCTION STA. 0+30.60
LOT 1
118.04'
Right of Way
200.93'
TRACT 274 B1 A1 A1 A
24" Elm
24.22
18" Elm
35' Telephone Guard Rail
16" Elm
59.06
MOUNTAIN ROAD N.W.
58121

GENERAL NOTES:

1. All obstructions within the right-of-way limits to be removed by the contractor. Cost of removing obstructions to be included in the unit price for grading.
2. Elevations and grades are to the top of curb.
3. Radii of curb returns to be 18' to the face of curb unless otherwise shown.
4. Sidewalks to be 42" wide unless otherwise shown.

ELISEO SANCHEZ SUBDIVISION M.R.G.C.D. MAP 38 T 10 N R 2 E SEC. 13

PLAN

4955 / 4950

North curb +0.46746%
Existing ground
Pk Curb return ELEV. 4956.19
Existing ground
+0.29545%
Top South edge of finished pavement
Pk Curb return ELEV. 4955.42
Pk Curb return ELEV. 4955.76 (Pavement)

-0.43514%
West curb
Existing ground
Pk Curb return ELEV. 4955.76
-0.3396%
Existing ground
Top North edge of finished pavement
East curb
Pk Curb return ELEV. 4955.08
End curb ELEV. 4954.22
Pk Curb return ELEV. 4952.68 (Pavement)

44 45 0 1 2 3

PROFILE

ELISEO SANCHEZ SUBD. M.R.G.C.D. MAP 38

50' 32' P=20' 36" Rebar
Curb Inlet Sta. 3+54
Right of way ℄
4' Hogwire fence
4' Hogwire fence
3' walk
3' Ornamental fence
12" I.P.
4' Ornamental fence
3' Block wall
5' walk
4' Board fence
30" Picket fence
W DORA W W AVE. N.W.
NOTE: Build 3' wide sidewalk along south curb of street only.
Build 3' Sidewalk
Build 3' Sidewalk
BEGIN 3' WIDE SIDEWALK STA. 0+44.5
4' Hogwire
Retaining wall
1" I.P.
42" Slat fence
Note: Power poles on south side to be relocated by others.
42" Hogwire
30" Hedge
3' walk
4' Block wall
3' Ornamental wire fence
3' walk
4' Picket fence
Right of way
30" walk
42" Picket fence
42" Picket fence
4' Picket fence
4' Chicken wire
58121
SCALE 1"=20' Horiz. 1"=5' Vert.

DORA A. WILLIAMS FIRST ADDITION

NOTE: Top of sidewalk to follow top of existing curb grade.

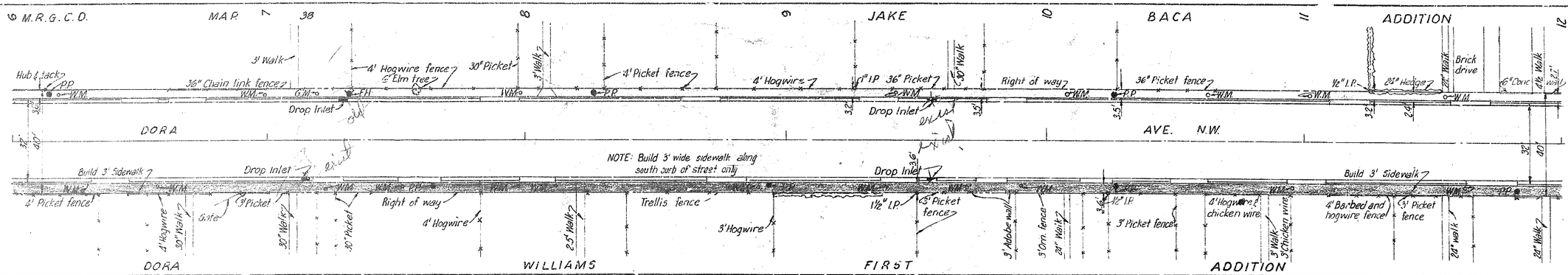
58121

PLATE 2—PLAN—PROFILE O. P. R. & R. E.
100% RAG PAPER—MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC.

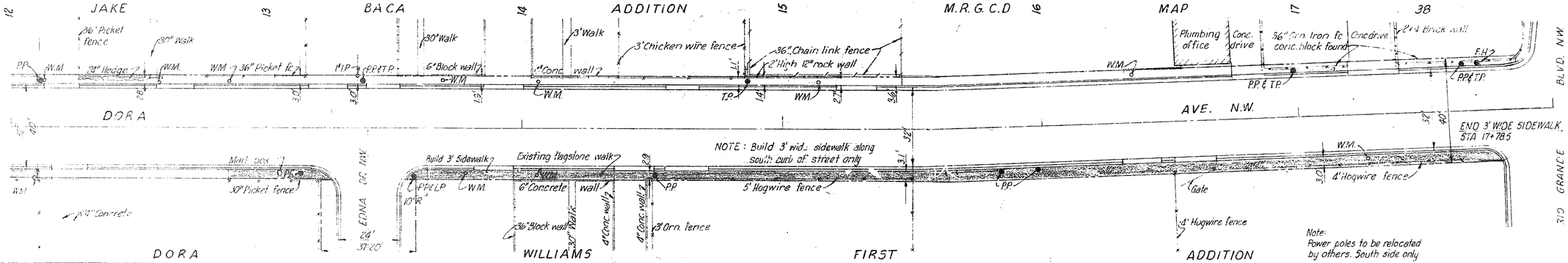
BRUNING No. 6027

PD. 125, 127 AND STREET CROSSING IMPROVEMENTS SHEET 25 OF 40

PLAN



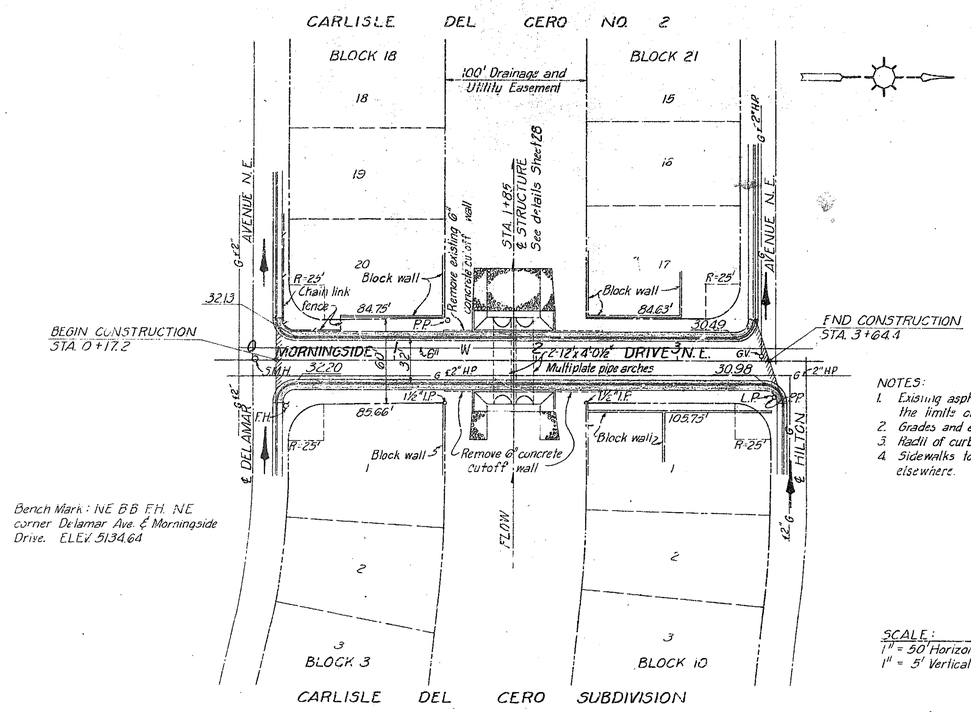
NOTE:
Top of sidewalk to follow top of existing curb grade



NOTE
Top of sidewalk to follow top of existing curb grade

PROFILE

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
10 12 5 26 62 02 58 31

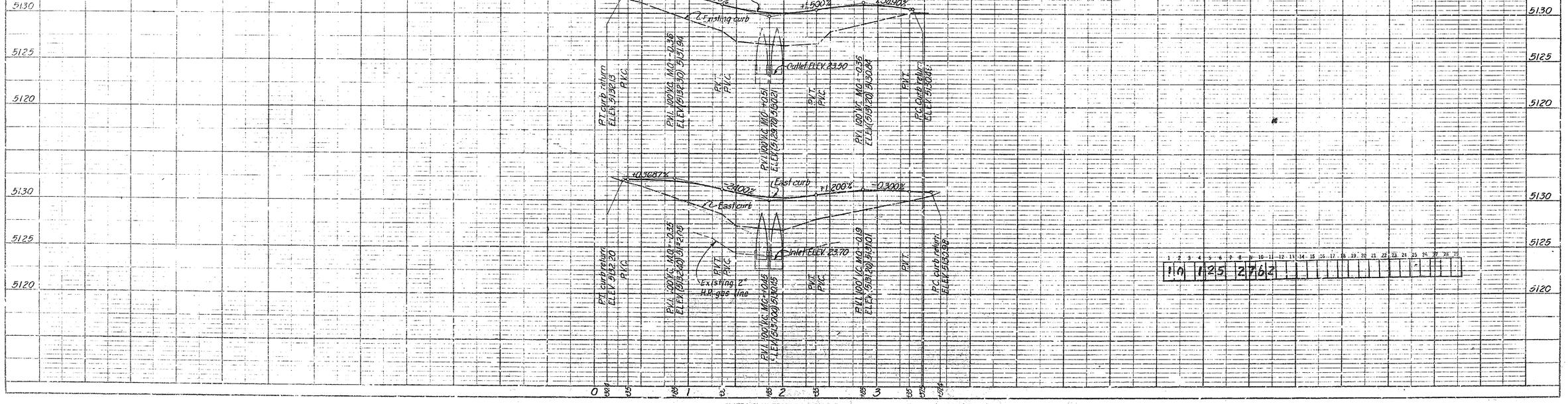


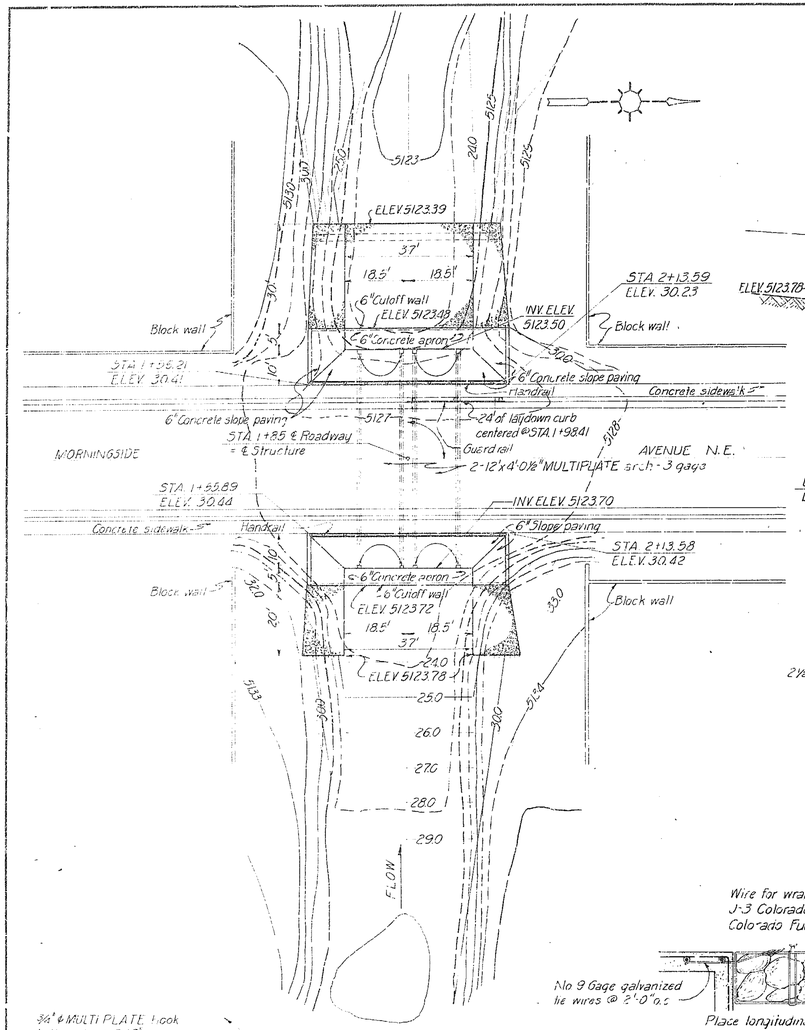
NOTES:

1. Existing asphalt, curb and gutter, cutoff walls, riprap, and sidewalks within the limits of construction to be removed.
2. Grades and elevations shown are to top of curb.
3. Radii of curb returns to be 14' to the face of curb.
4. Sidewalks to be 4' wide over the structure and 3.5' elsewhere.

NOT CONSTRUCTED

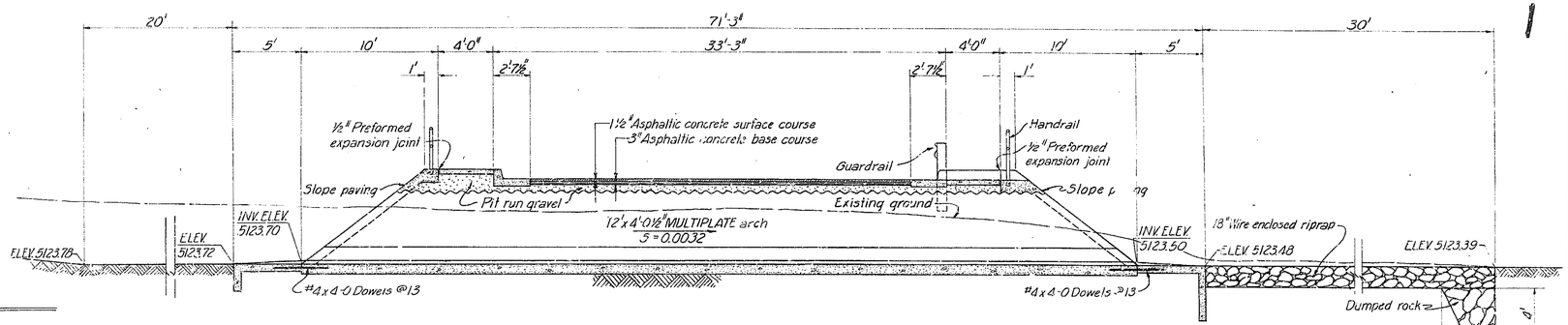
SCALE:
1" = 50' Horizontal
1" = 5' Vertical



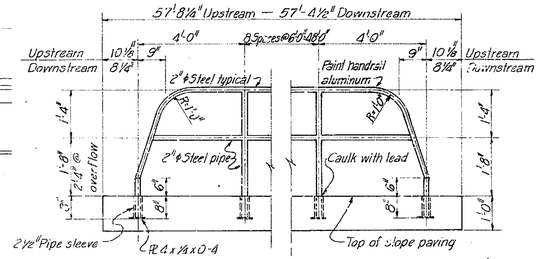


PLAN
Scale: 1"=20'

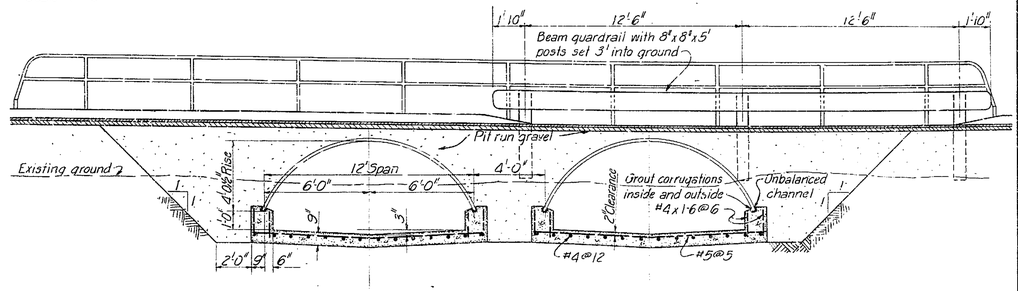
ARCH BEARING RECESS DETAIL
Scale: 1"=1'-0"



LONGITUDINAL SECTION
Scale: 1"=5'

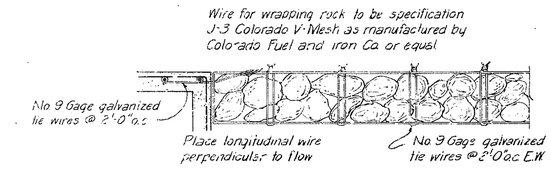


HANDRAIL DETAIL
Scale: ½"=1'-0"

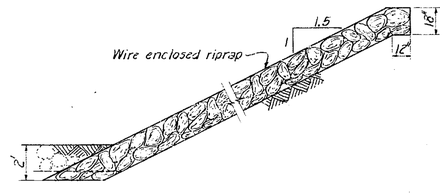


TRANSVERSE SECTION
Scale: ⅛"=1'-0"

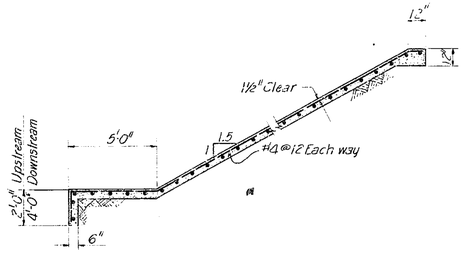
NOT CONSTRUCTED



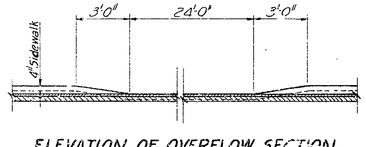
WIRE ENCLOSED RIPRAP
Not to scale



SLOPED RIPRAP
Not to scale



SLOPE PAVING DETAIL
Scale: ½"=1'-0"



ELEVATION OF OVERFLOW SECTION
Scale: ¼"=1'-0"

ESTIMATED QUANTITIES

DESCRIPTION	QUANTITY
12' Span x 4'-0½" Rise Corrugated Metal Arch; 10 Gage	122.50 Ft.
Wire enclosed riprap	266 Cu. Yd.
Reinforced concrete for slope paving & culoff walls	41 Cu. Yd.
Excavation unclassified	870 Cu. Yd.
Metal guard rail and posts	27.83 Ft.
2" Steel pipe handrail	11.3 Ft.
Pit run backfill material	306 Cu. Yd.
Reinforcing steel	4050 Lbs.
Dumped riprap	37 Cu. Yd.

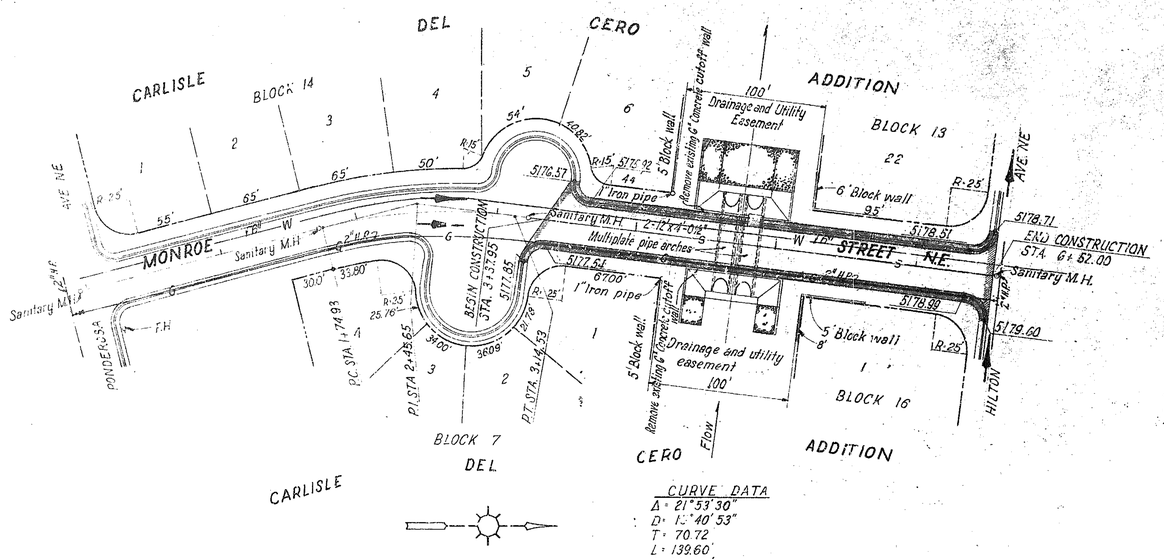
ALBUQUERQUE — NEW MEXICO

PAVING DISTRICT 125 AND 127
HAHN AND EMBUDO ARROYO
STREET CROSSING IMPROVEMENTS

MORNINGSIDE AVENUE N.E.
DRAINAGE STRUCTURE

GORDON HERKENHOFF & ASSOCIATES, INC.
CONSULTING ENGINEERS
ALBUQUERQUE NEW MEXICO

SCALE	DATE	DRAWN: B.E.T.	SHEET 28
AS SHOWN	MAY 1961	CHECKED:	OF 40



B.M.: N.E. B.B. F.H. N.E. Corner Monroe and Ponderosa N.E. ELEV.: 5181.45

NOTES:
1. Existing asphalt, curb and gutter, cutoff walls, riprap, and sidewalks within the limits of construction to be removed.
2. Grades and elevations shown are to top of curb.
3. Radii of curb returns to be 14' to the face of curb.
4. Sidewalk to be 4' wide over the structure and 3.5 elsewhere.

NOT CONSTRUCTED

SCALES
Horizontal : 1" = 50'
Vertical : 1" = 5'

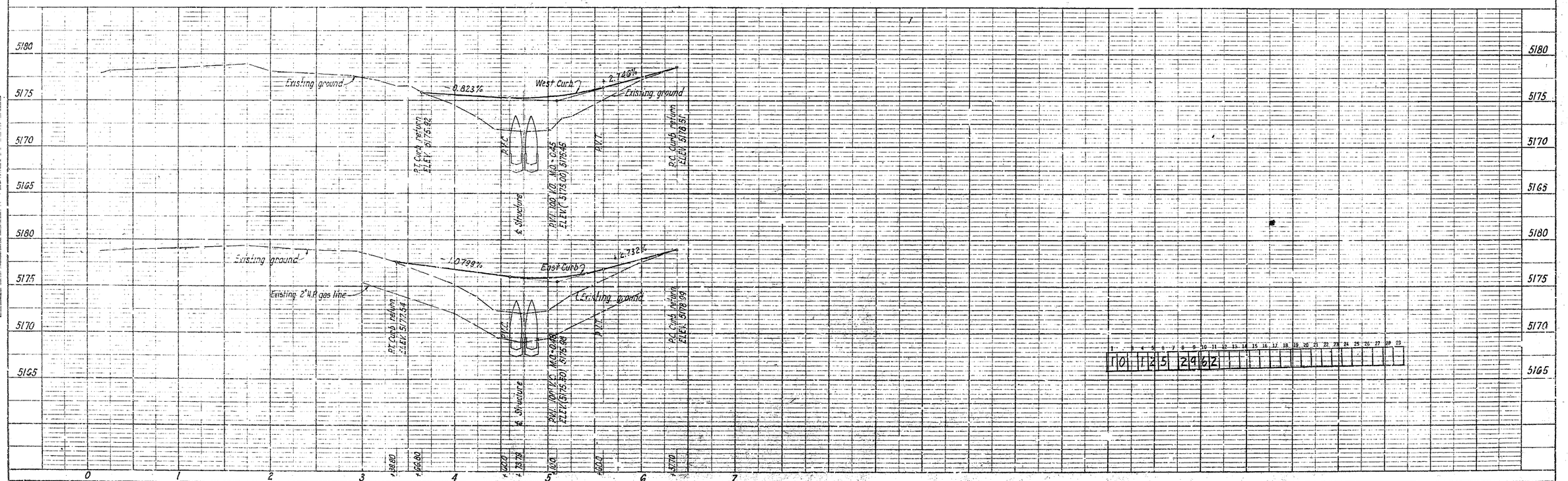
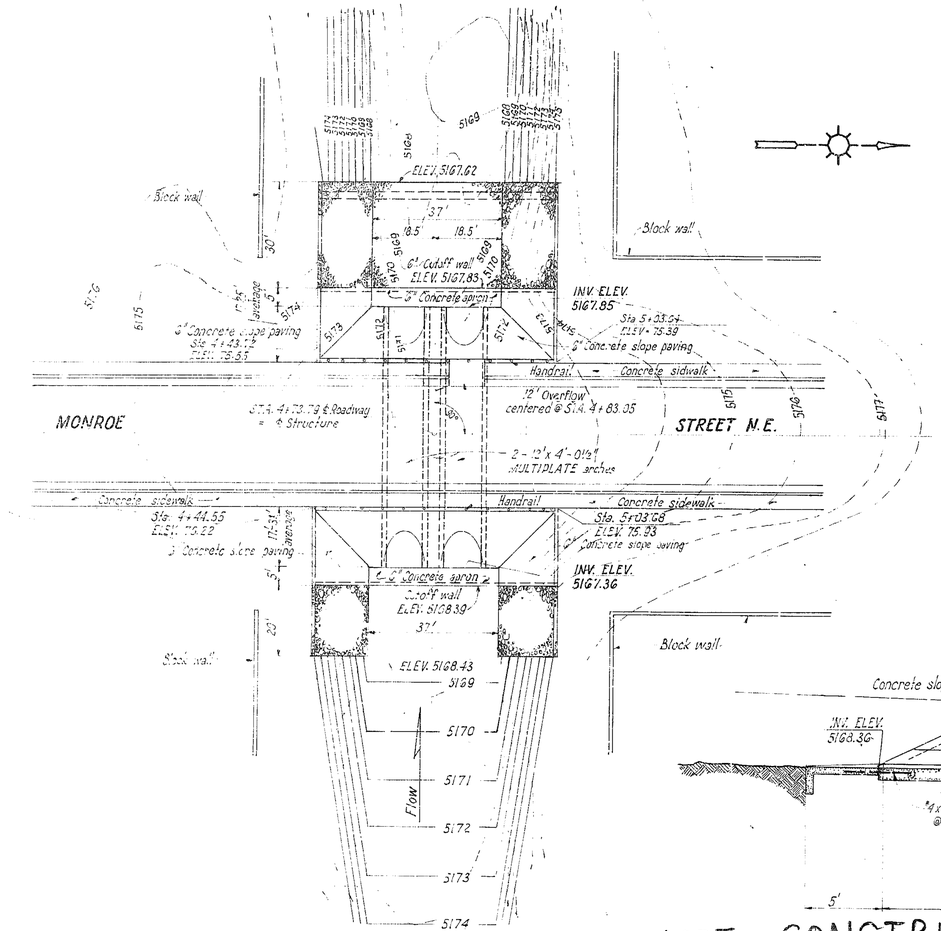


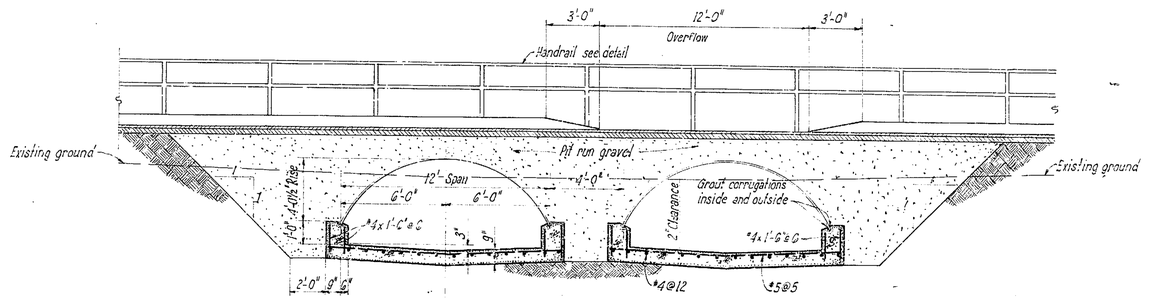
PLATE 1—PLAN—PROFILE O. P. R. & R. E.
100% RAG PAPER—MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC.

P.D. 125, 127 AND STREET CROSSING IMPROVEMENTS SHEET 29 OF 40



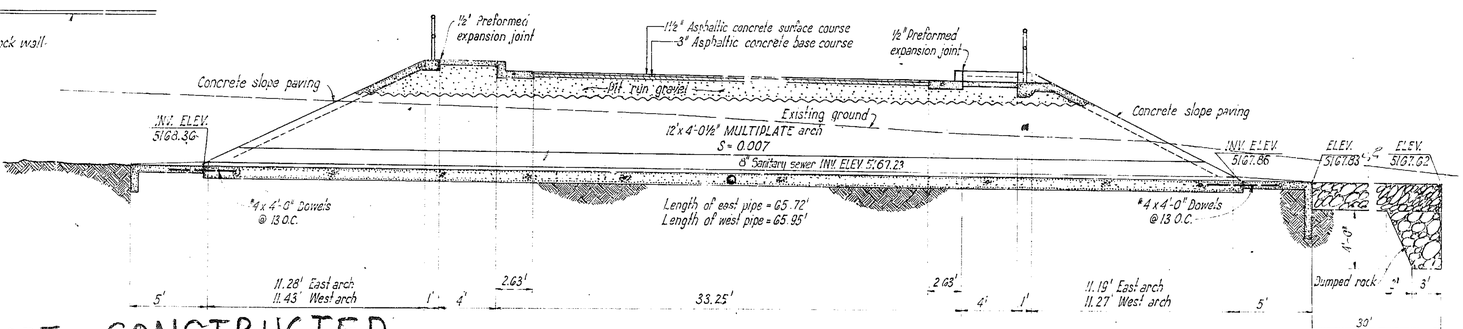
PLAN

Scale: 1" = 20'



TRANSVERSE SECTION

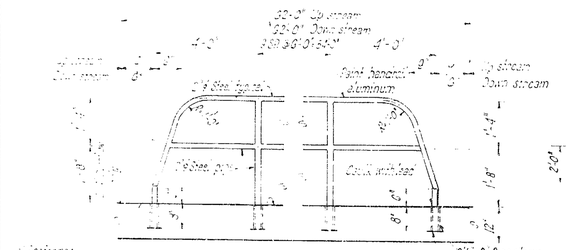
Scale: ¼" = 1'-0"



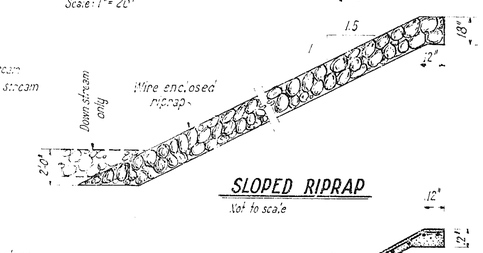
LONGITUDINAL SECTION

Scale: 1" = 5'-0"

NOT CONSTRUCTED

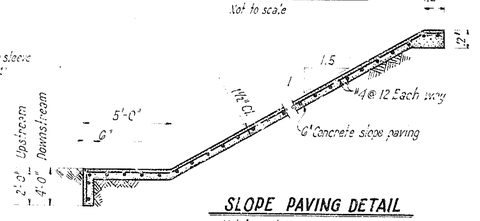


HANDRAIL DETAIL



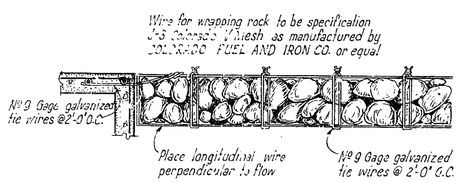
SLOPED RIPRAP

Not to scale



SLOPE PAVING DETAIL

Not to scale



WIRE ENCLOSED RIPRAP

Not to scale

ESTIMATED QUANTITIES

DESCRIPTION	QUANTITY
12' Span x 4'-0½" Rise Corrugated pipe arch 10 gage	131.67 FT.
Reinforced concrete for slope paving and cutoff wall	46.00 CU. YD.
Reinforcing steel	4590 LBS.
Wire enclosed riprap	262 SQ. YD.
2" Steel pipe handrail	124 FT.
Excavation unclassified	1125 CU. YD.
Pit run backfill material	430 CU. YD.
Dumped riprap	40 CU. YD.

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

10 | 125 | 3062

ALBUQUERQUE — NEW MEXICO

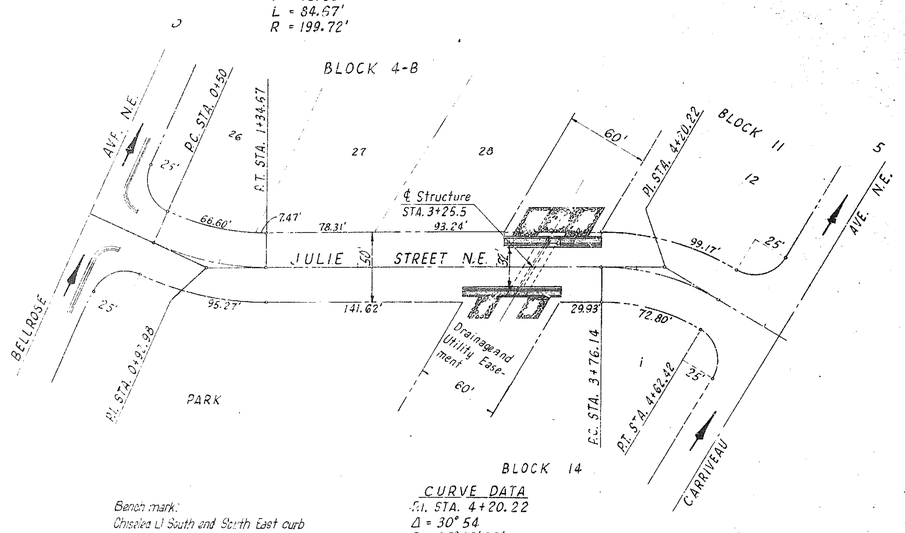
PAVING DISTRICT 125 AND 127
HAHN AND EMBUDO ARROYO
STREET CROSSING IMPROVEMENTS

MONROE STREET N.E.
DRAINAGE STRUCTURE

GORDON HERKENHOFF & ASSOCIATES, INC.
CONSULTING ENGINEERS
ALBUQUERQUE NEW MEXICO

SCALE	DATE	DRAWN: A.O.H.	SHEET 30
AS SHOWN	MAY, 1961	CHECKED:	OF 40

STARDUST SKIES ADDITION - UNIT NO. 4



STARDUST SKIES ADDITION - UNIT NO. 4

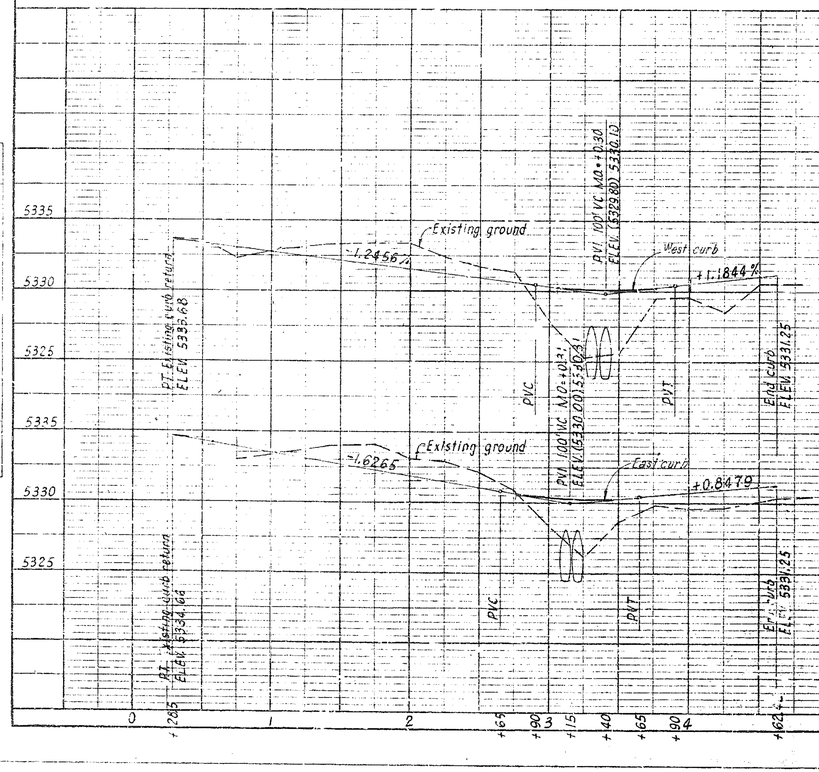
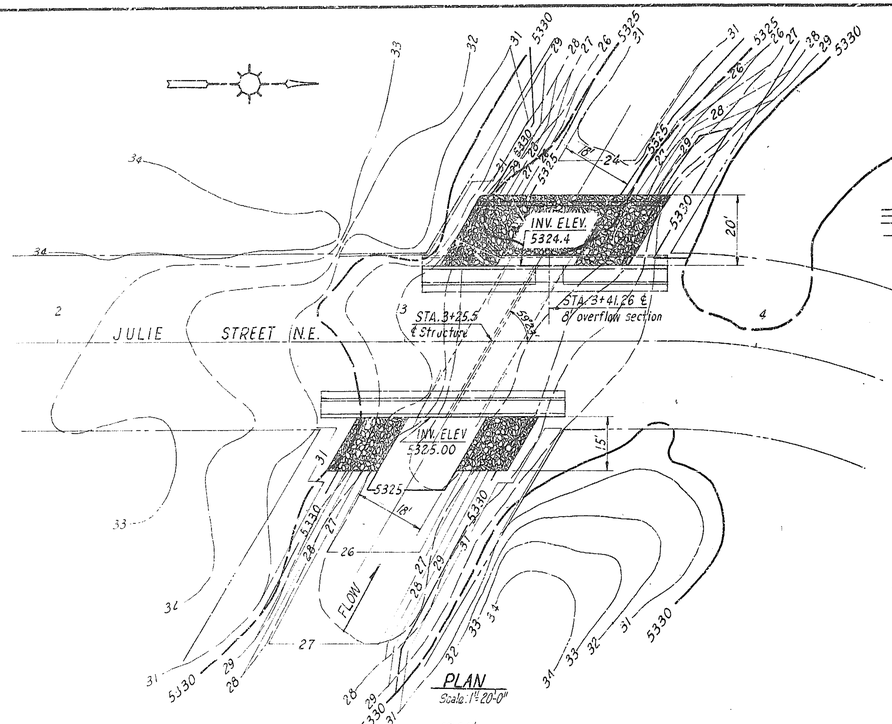
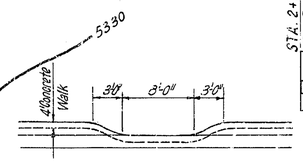


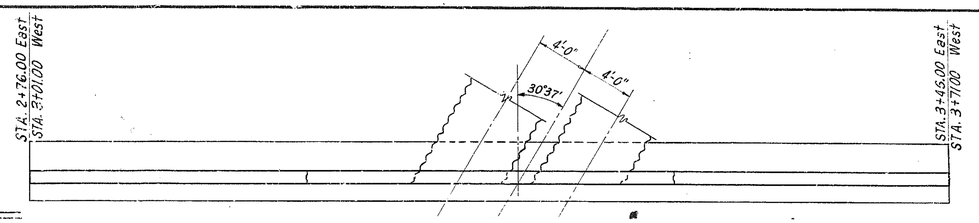
PLATE 1—PLAN-PROFILE O. P. R. & R. E.
00% RAG PAPER—MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC



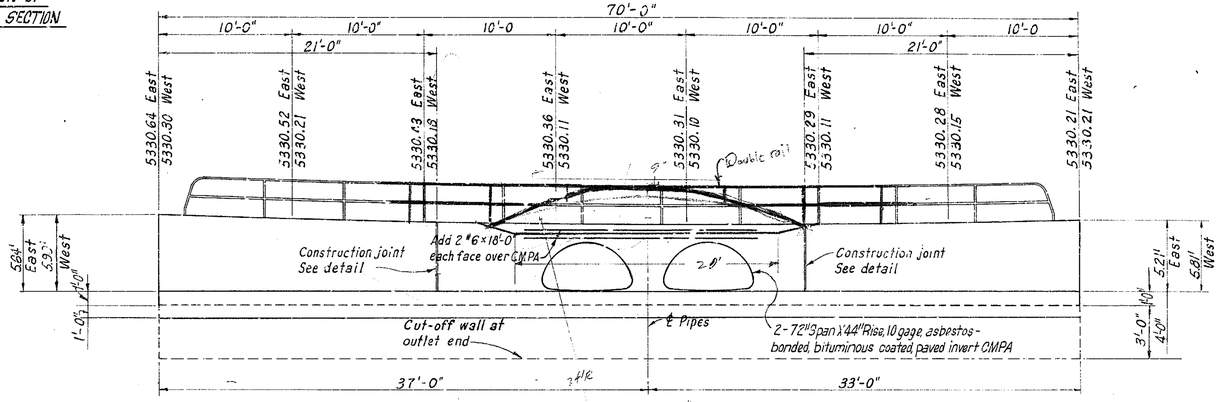
PLAN
Scale: 1" = 20'-0"



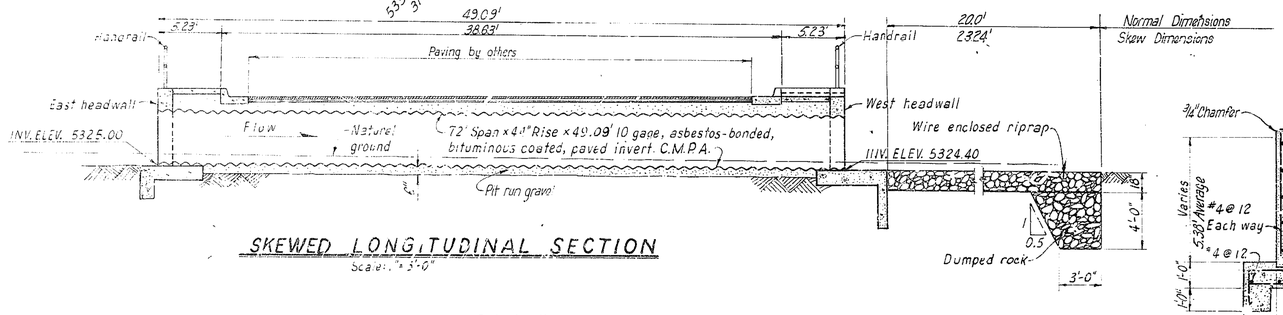
ELEVATION OF OVERFLOW SECTION



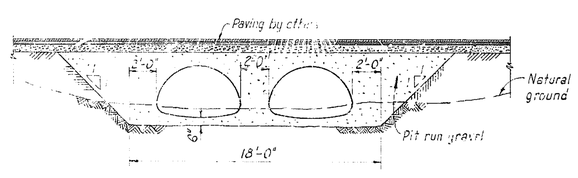
PLAN
Scale: 3/16" = 1'-0"



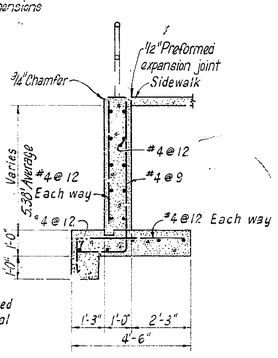
ELEVATION
Scale: 3/16" = 1'-0"



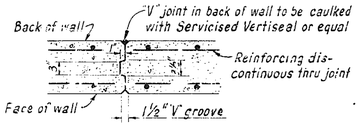
SKEWED LONGITUDINAL SECTION
Scale: 1" = 5'-0"



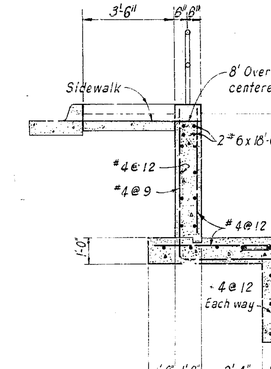
TRANSVERSE SECTION
Scale: 1" = 5'-0"



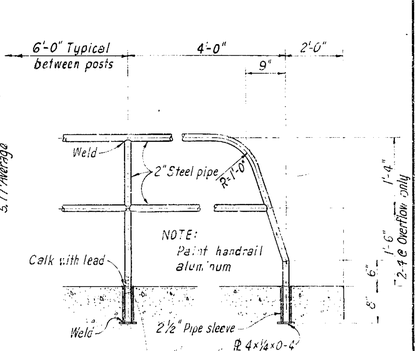
EAST HEADWALL
Scale: 3/8" = 1'-0"



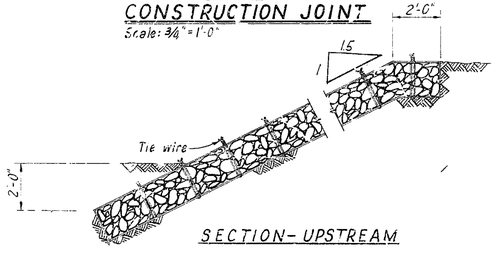
PLAN
CONSTRUCTION JOINT
Scale: 3/4" = 1'-0"



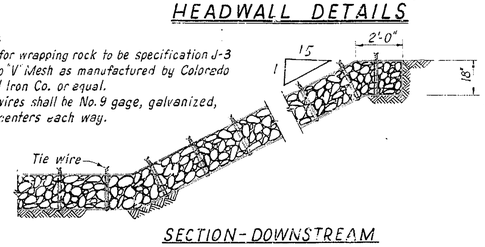
WEST HEADWALL
Scale: 3/8" = 1'-0"



HANDRAIL DETAIL
Not to scale



SECTION - UPSTREAM



SECTION - DOWNSTREAM

HEADWALL DETAILS

NOTES:
1. Wire for wrapping rock to be specification J-3 Colorado "V" Mesh as manufactured by Coloredo Fuel and Iron Co. or equal.
2. Tie wires shall be No. 9 gage, galvanized, at 2'-0" centers each way.

WIRE ENCLOSED RIPRAP DETAILS

ESTIMATED QUANTITIES	
DESCRIPTION	QUANTITY
72" Span x 44" Rise CMPA 10 gage	98.18 Ft.
Reinforced concrete	58 cu.yd.
Reinforcing steel	4500 lbs.
Excavation unclassified	319 cu.yd.
Pitrun Backfill material	184 cu.yd.
Curb and gutter	140 Ft.
Sidewalk	55 sq. yd.
18" Wire enclosed riprap	132 sq.yd.
Dumped riprap	25 cu.yd.
Handrail	138 Ft.

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 1 2 5 3 2 6 2 1 1 6 0 1 9 1

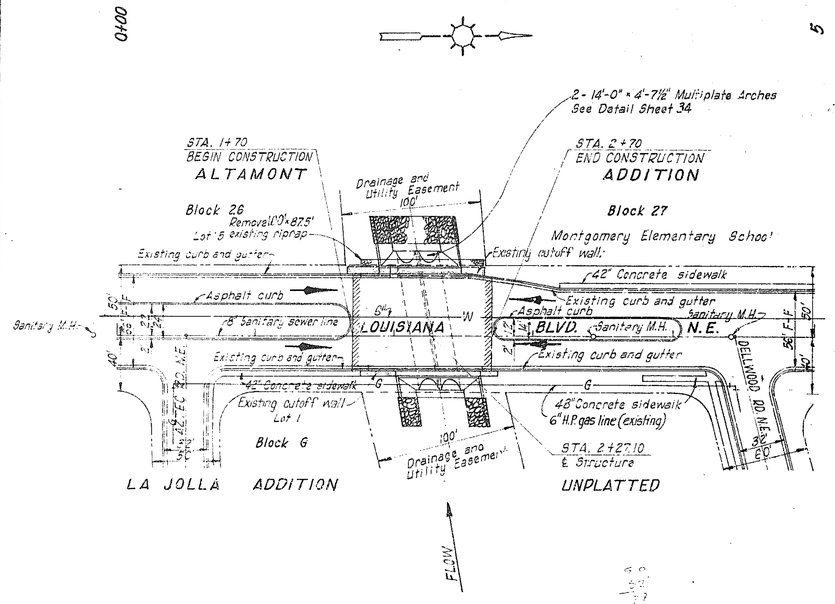
ALBUQUERQUE — NEW MEXICO

PAVING DISTRICT 125 AND 127
HAHN AND EMBUDO ARROYO
STREET CROSSING IMPROVEMENTS

JULIE STREET N.E.
DRAINAGE STRUCTURE

GORDON HERKENHOFF & ASSOCIATES, INC.
CONSULTING ENGINEERS
ALBUQUERQUE NEW MEXICO

SCALE	DATE	DRAWN: R.D.M.	SHEET 32
AS SHOWN	MAY, 1961	CHECKED:	OF 40



NOTES:
1. Existing asphalt curb and gutter, cutoff walls, and sidewalks within the limits of construction to be removed.
2. Grades and elevations shown are to top of curb.
3. Radii of curb returns to be 14' to face of curb.
4. Sidewalks to 4' wide over structure and 3.5' wide from structure to easement line.
5. Existing cutoff walls are 100' long with 4'X1' base and 1'X8' stem on each side of street.

Bench mark.
N.E. B.R. Ent. on Louisiana in front of Montgomery Elem. School ELEV=5307.12

SCALE:
1"=50' Horizontal
1"= 5' Vertical

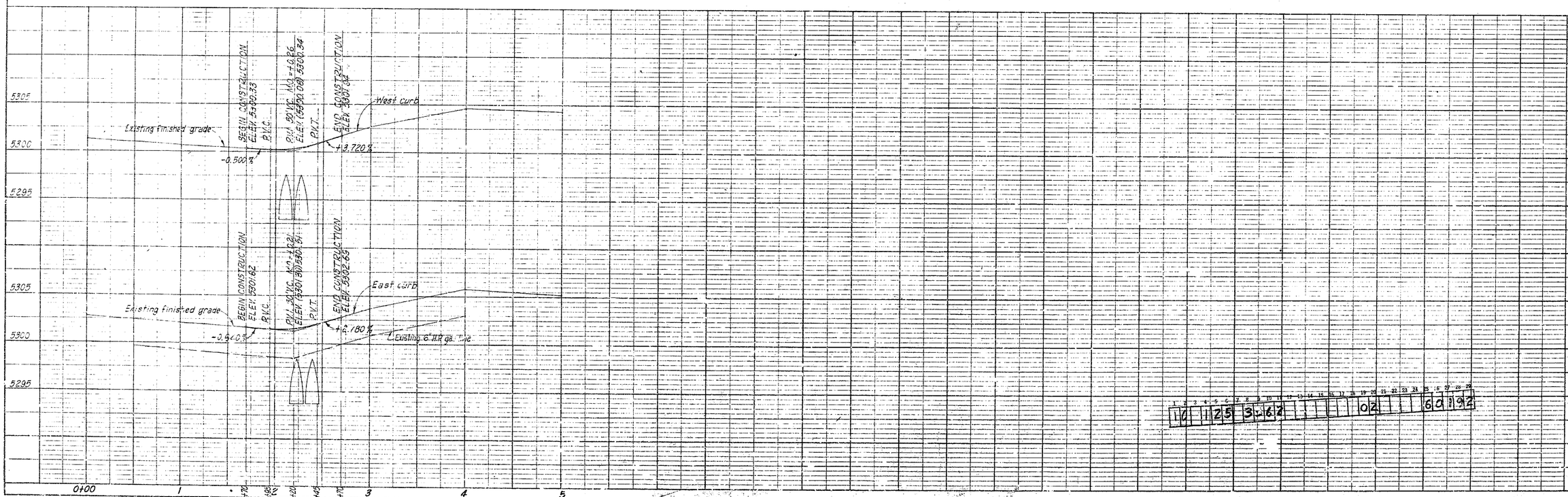
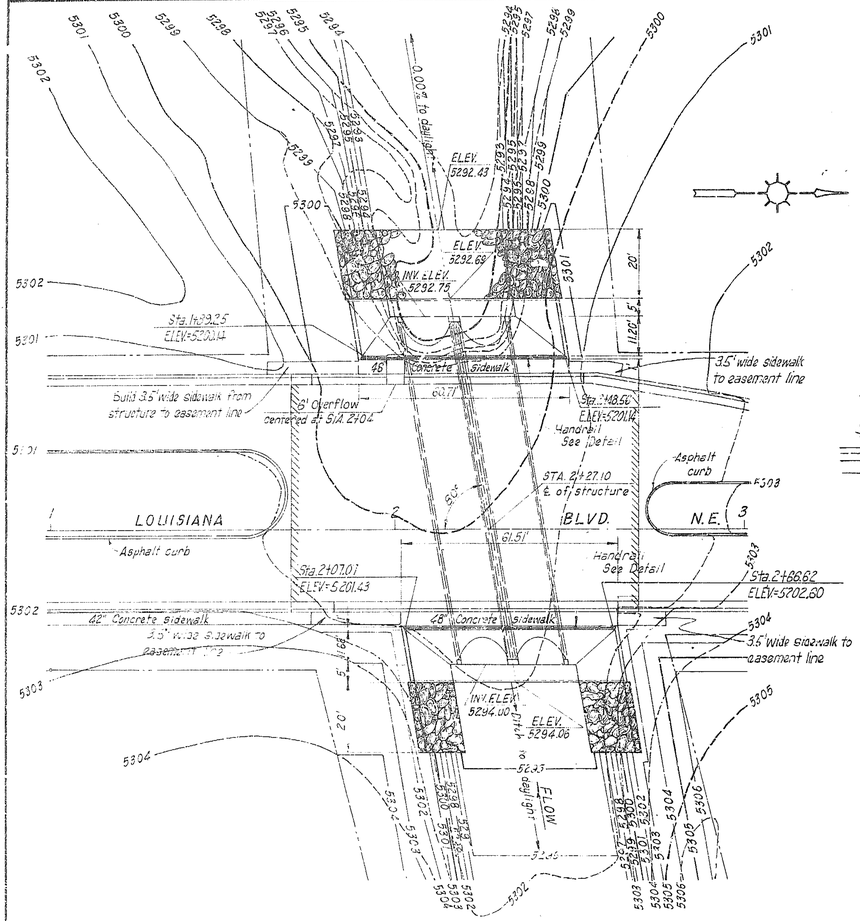
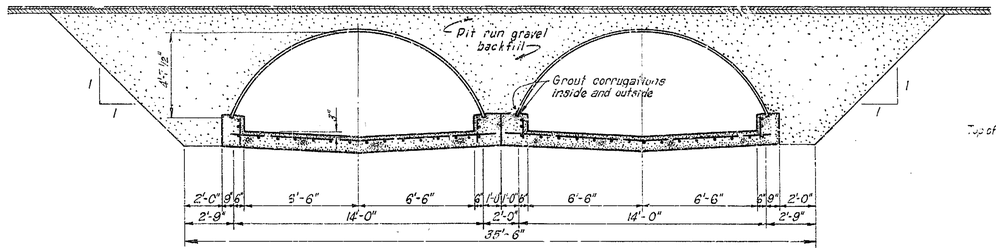


PLATE I—PLAN—PROFILE O. P. R. & R. E.
INCL. HAS PAPER-MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC.

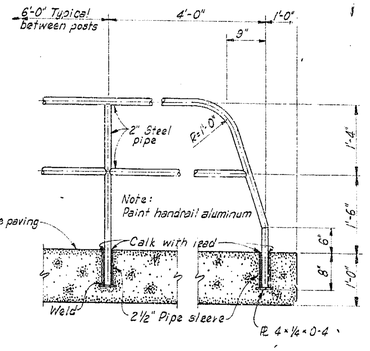
P.D. 125, 127 AND STREET CROSSING IMPROVEMENTS SHEET 33 OF 40



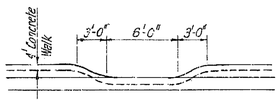
PLAN
Scale: 1" = 20'



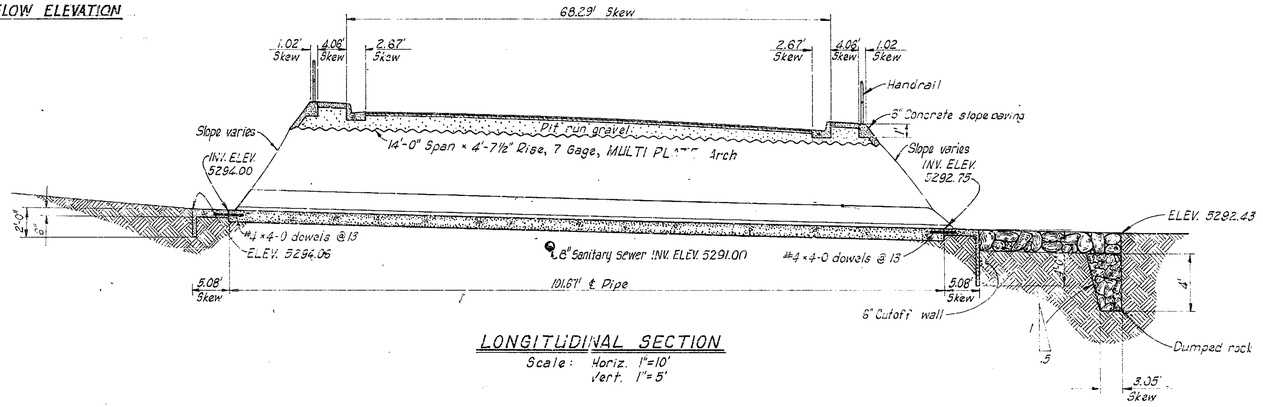
TRANSVERSE SECTION
Scale: 1/4" = 1'-0"



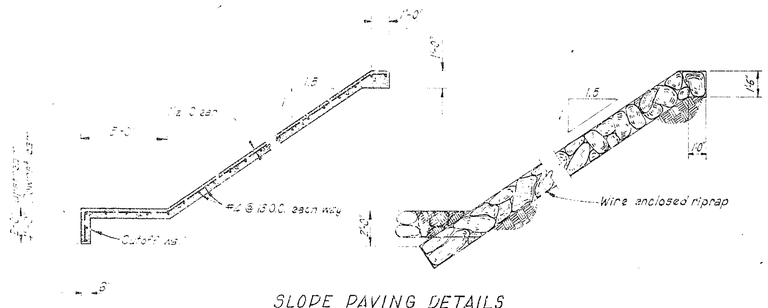
HANDRAIL DETAIL
Not to scale



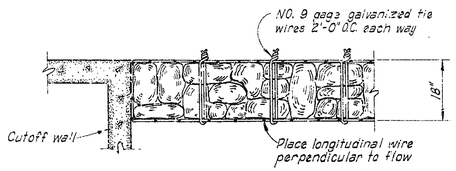
OVERFLOW ELEVATION



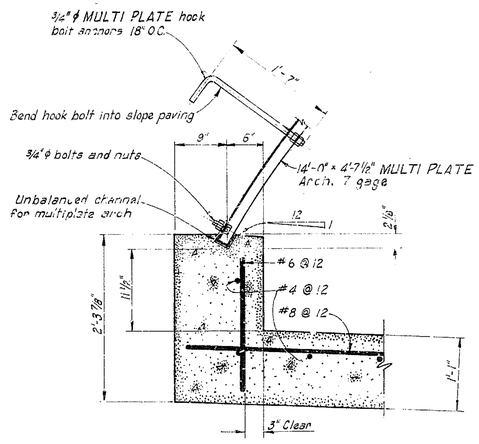
LONGITUDINAL SECTION
Scale: Horiz. 1"=10'
Vert. 1"=5'



SLOPE PAVING DETAILS
Scale: 1/4" = 1'-0"



WIRE ENCLOSED RIPRAP
Not to scale



ARCH BEARING RECESS DETAIL
Scale: 1"= 1'-0"

ESTIMATED QUANTITIES

DESCRIPTION	QUANTITIES
14'-0" Span X 4'-7½" Rise Corrugated multiplate arch 7 gage.	203.34 Ft.
Reinforced concrete.	43 cu. yds.
Reinforcing steel.	4280 lbs.
18" Wire enclosed riprap.	305 sq. yds.
Dumped riprap.	35 cu. yds.
Handrail	120.8 Ft.
Excavation unclassified.	1043 cu. yds.
Pitrun backfill material	678 cu. yds.

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 1 2 5 3 4 6 2 1 1 6 0 1 9 2

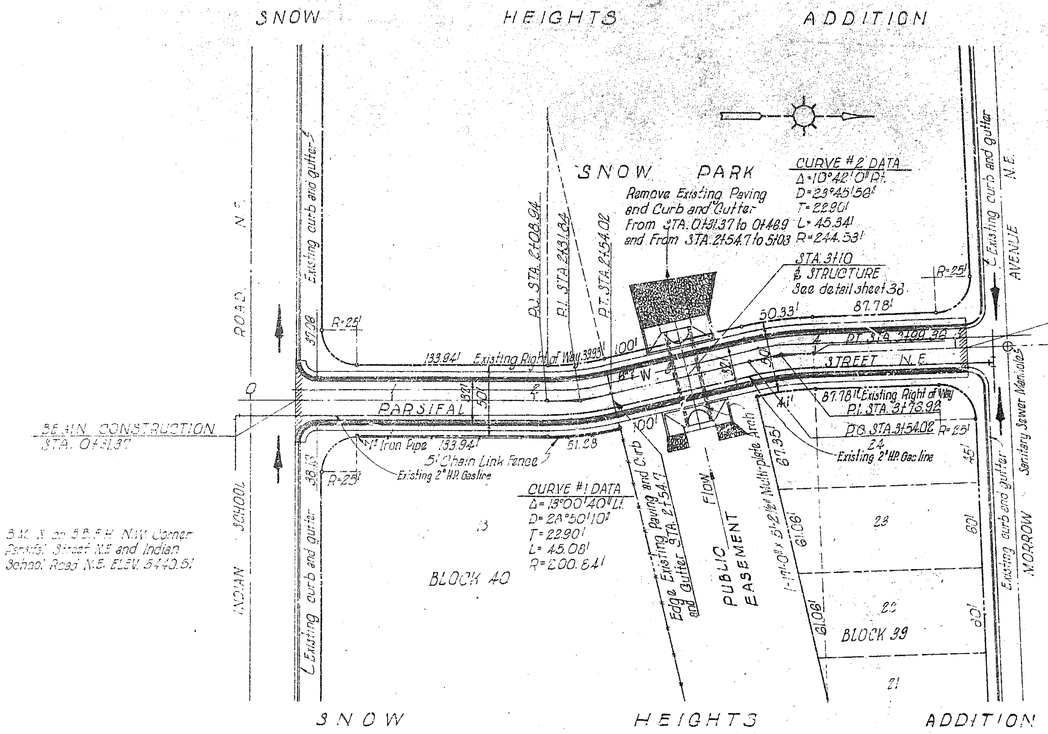
ALBUQUERQUE — NEW MEXICO

PAVING DISTRICT 125 AND 127
HAHN AND EMBUDO ARROYO
STREET CROSSING IMPROVEMENTS

LOUISIANA BLVD. N.E.
DRAINAGE STRUCTURE

GORDON HERKENHOFF & ASSOCIATES, INC.
CONSULTING ENGINEERS
ALBUQUERQUE NEW MEXICO

SCALE	DATE	DRAWN: C.E.T.	SHEET 34
AS SHOWN	MAY, 1961	CHECKED:	OF 40



NOT CONSTRUCTED

NOTES:
1. Existing asphalt curb and gutter and sidewalks within the limits of construction to be removed.
2. Grades and elevations shown are to top of curb.
3. Radii of curb returns to be 14' to the face of curb.
4. Sidewalks to be to be 4' wide, over structure. 3.5' else where

Scale:
1" = 50' Horizontal
1" = 5' Vertical

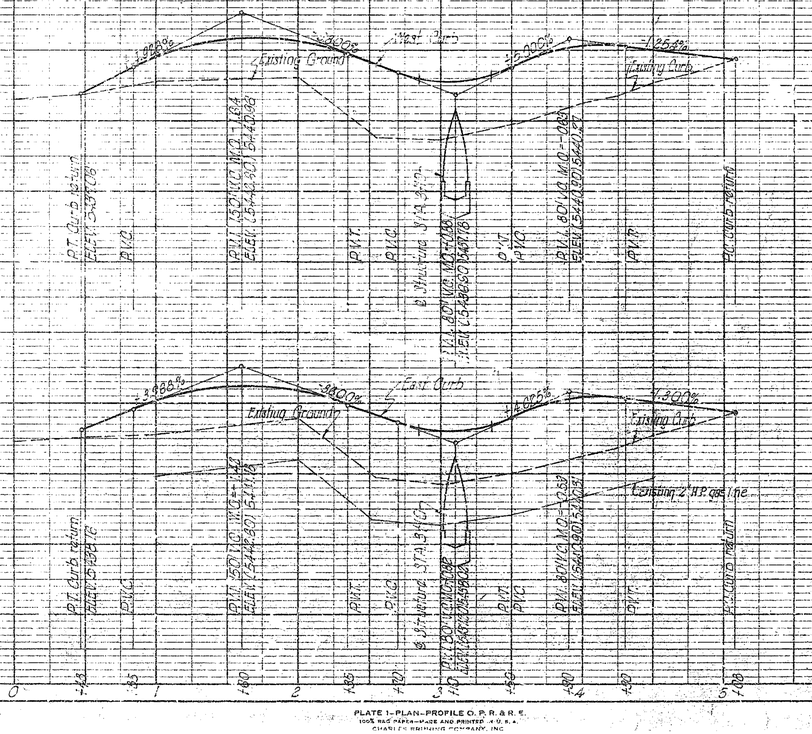
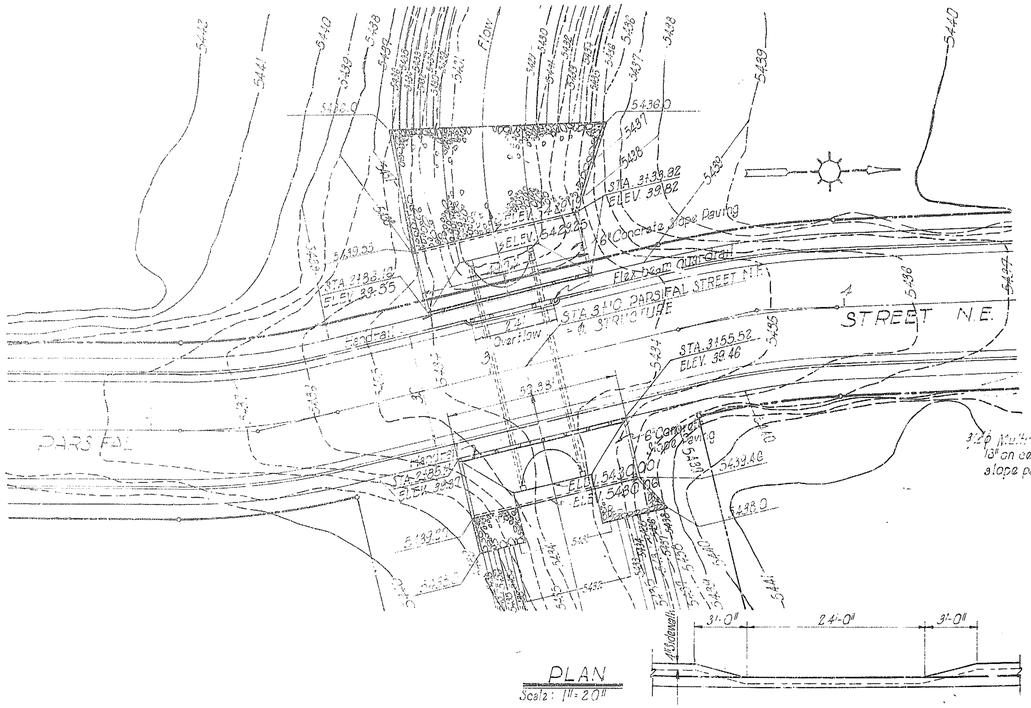
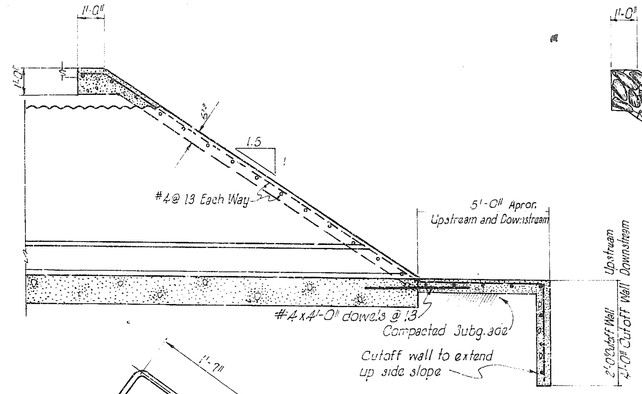


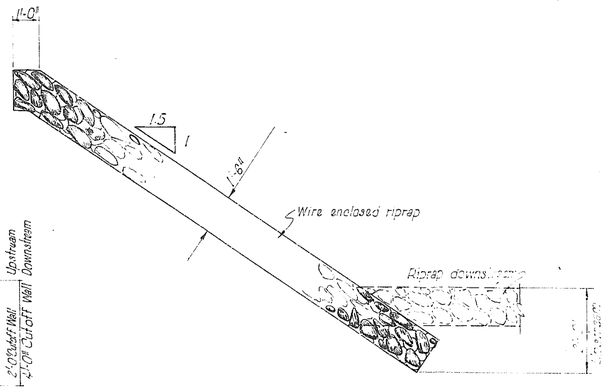
PLATE 1—PLAN—PROFILE O. P. R. & R. E.
100% RAG PAPER—MADE AND PRINTED U. S. A.
CHARLES BRUNING COMPANY, INC.

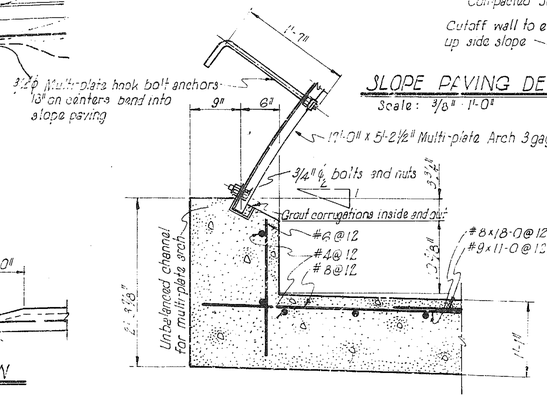


PLAN
Scale: 1"=20'

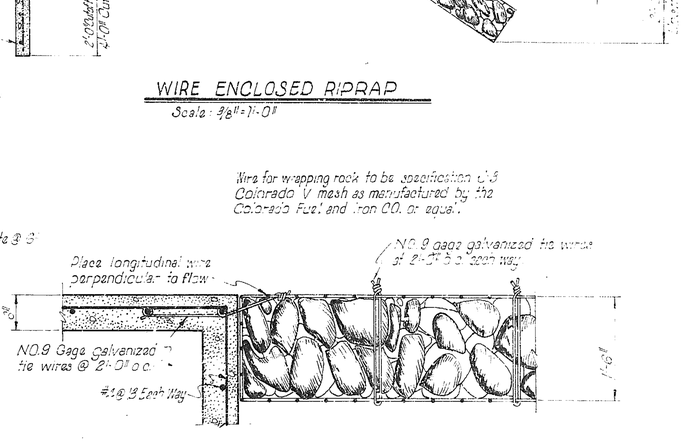
ELEVATION OF OVERFLOW SECTION
Not to scale



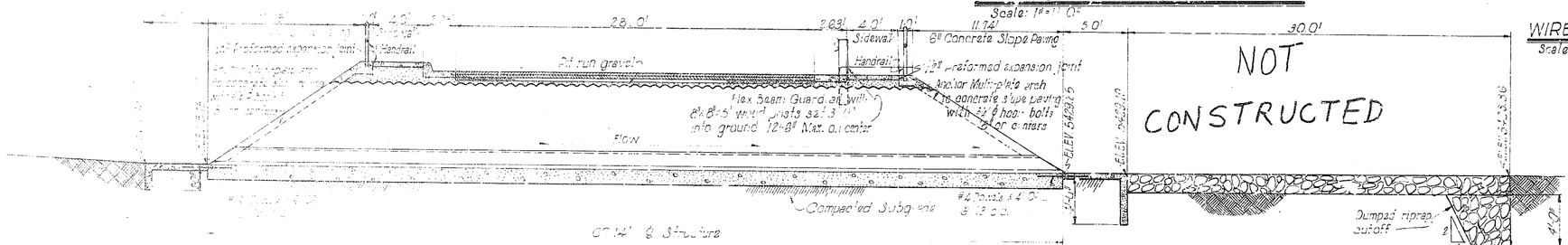




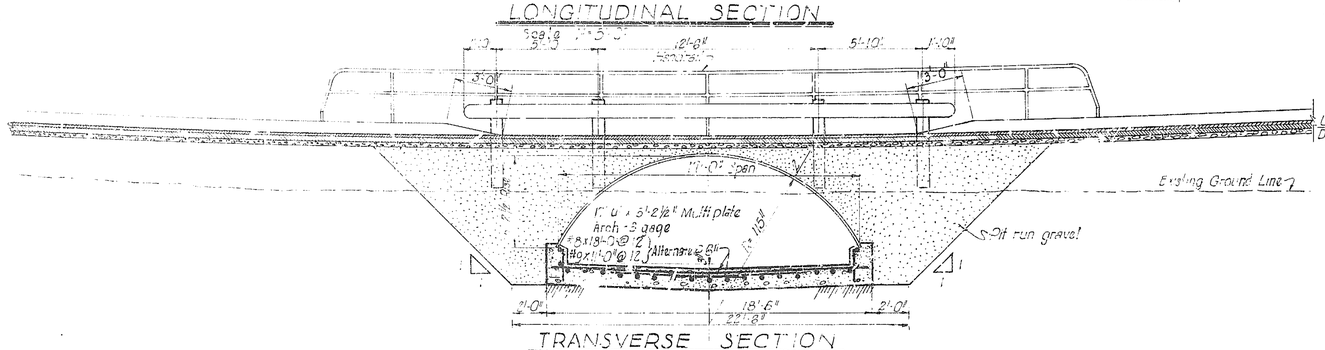
SLOPE PAVING DETAIL
Scale: 3/8" = 1'-0"



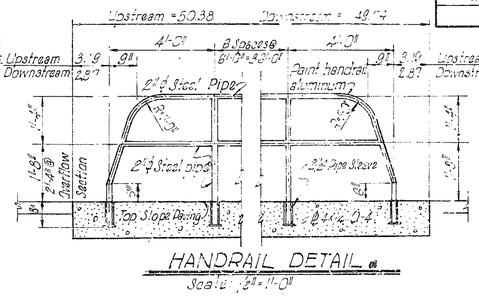
WIRE ENCLOSED RIPRAP
Scale: 3/8"=1'-0"



LONGITUDINAL SECTION



TRANSVERSE SECTION
Scale: 1/4"=1'-0"



HANDRAIL DETAIL
Scale: 3/8"=1'-0"

WIRE ENCLOSED RIPRAP DETAIL
Scale: 1"=1'-0"

ESTIMATED QUANTITIES

DESCRIPTION	QUANTITY
11'-0" Span x 5'-2 1/2" - Multi-plate arch 3 gage	0.014 FT.
Reinforced Concrete Cutoff Wall and Slope Paving	48 CU. YDS.
Reinforcing Steel	4270 LBS.
Wire Enclosed Riprap	285 SQ. YDS.
Dumped Riprap	50 YDS.
Handrail	90 FT.
Excavation Unclassified	635 CU. YDS.
Fill run Backfill Material	378 CU. YDS.
12 Gage Corrugated Metal Beam Guardrail and Posts	27.3.8 FT.

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 1 2 5 3 6 6 2

ALBUQUERQUE — NEW MEXICO

PAVING DISTRICT 125 AND 127
HAHN AND EMBUDO ARROYO
STREET CROSSING IMPROVEMENTS

PARSIFAL STREET N.E.
DRAINAGE STRUCTURE

GORDON HERKENHOFF & ASSOCIATES, INC.
CONSULTING ENGINEERS
ALBUQUERQUE NEW MEXICO

SCALE	DATE	DRAWN: R.A.G.	SHEET 36
AS SHOWN	MAY, 1961	CHECKED:	OF 40

McDONALD ACRES THIRD UNIT

LOS TOMASES ADDITIONS

McDONALD ACRES THIRD UNIT

FORAKER GARDENS

PHOENIX AVENUE

N.W. EIGHTH STREET

NORTH STREET

24" Siphon

STA 0+97.36
INV ELEV. @ ℄
4959.46

Sanitary Sewer Manhole

Begin Grading Operation
STA. 0+05

End Grading Operation
STA. 2+84

Remove 60" Cottonwood tree

Guy

P.P.

Ditch

Ditch Easement

Right of Way

50' Grade

2" MP

2½" Hub

½" Rebar

NOTE: See sheet 11 for siphon details

NOT CONSTRUCTED

BLOCK 3

BLOCK 2

Bench Mark - North lug of sewer manhole
0-48.5 ELEV. 4946.05

NOTE:
1. Build 24" Siphon 42' Headwall to Headwall
2. Grade Street from STA. 0+05 to 2+84. 50' wide
3. Remove 60" Cottonwood Tree, The cost of which shall be included in the unit price bid for grading.
4. Relocate Ditch as indicated, The cost of which shall be included in the unit price bid for grading
5. See Sheet 5 of 17 for Siphon detail

SCALE
1" = 20' Horizontal
1" = 2' Vertical

Existing ground

North edge

+1.92 1%

-0.89 90%

South edge

-0.57 37 %

Begin construction
ELEV. 4964.19

P.V.I.
P.V.C. STA. 0+63.00
ELEV. (4966.40) 4966.22

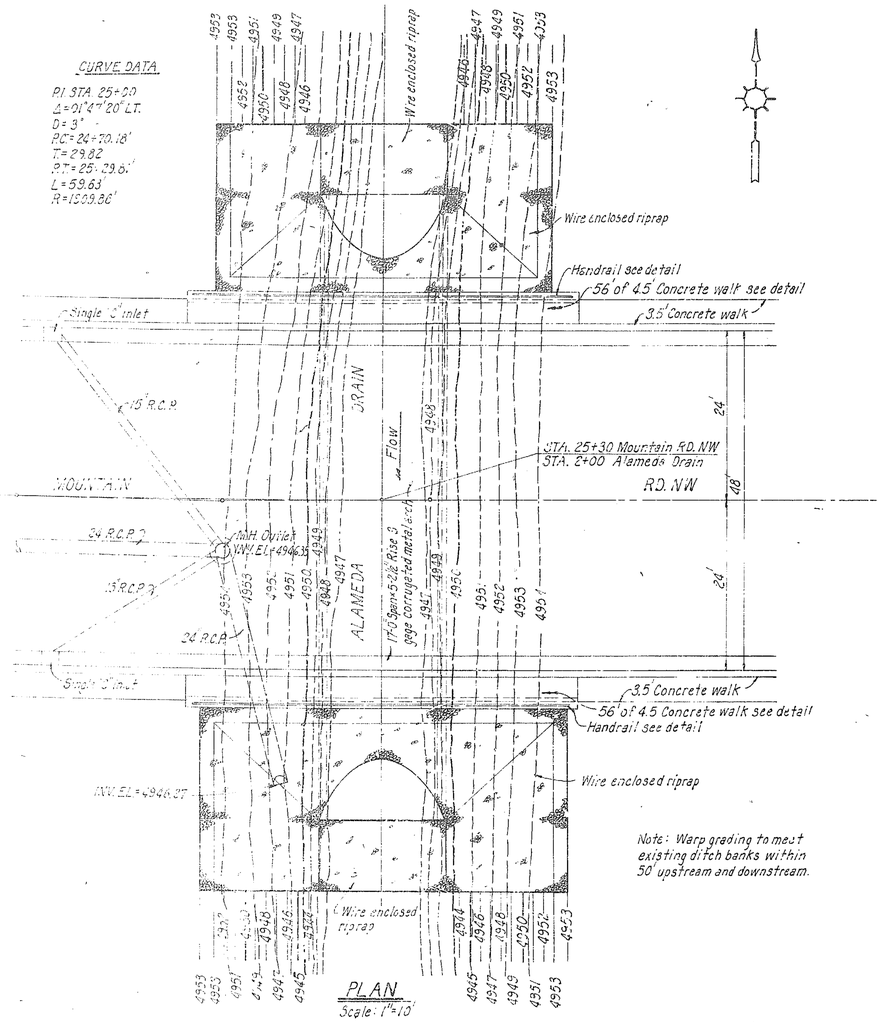
P.V.T.
P.V.C. STA. 1+30.00
ELEV. (4966.40) 4965.62

End construction
ELEV. 4961.27

0 50 100 150 200 250 300

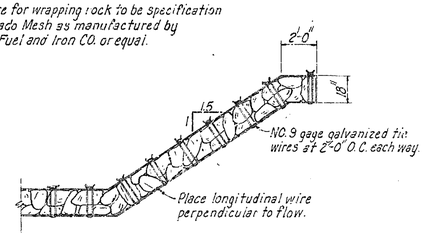
PLATE 1-PLAN-PROFILE O. P. R. & R. E.
100% RAG PAPER-VAN DYK PRINTED IN U.S.A.
CHARLES BRUNING COMPANY, INC.

P.D. 125, 127 AND STREET CROSSING IMPROVEMENTS SHEET 37 OF 40

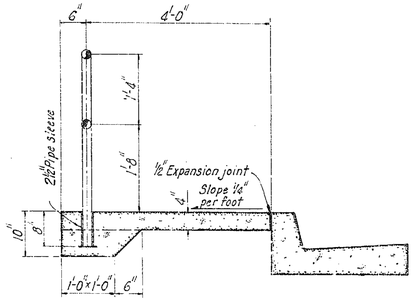


PLAN
Scale: 1"=10'

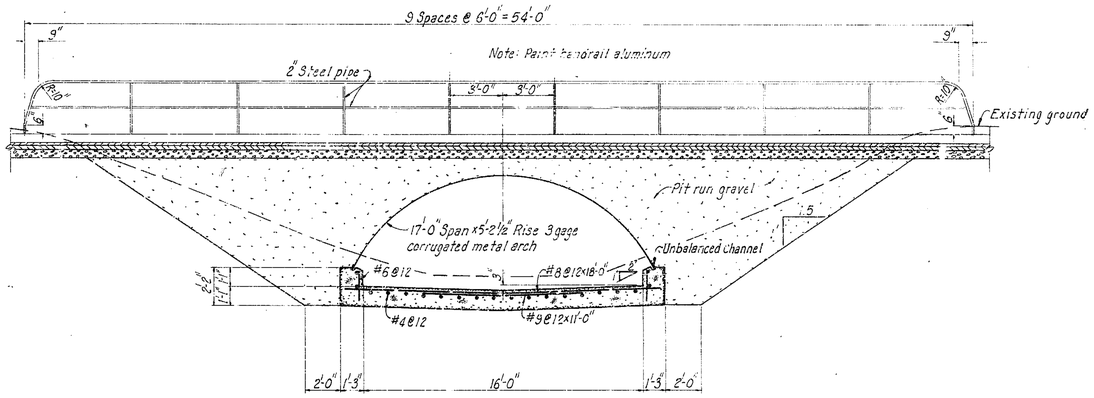
Note: Wire for wrapping rock to be specification J-3 Colorado Mesh as manufactured by Colorado Fuel and Iron CO. or equal.



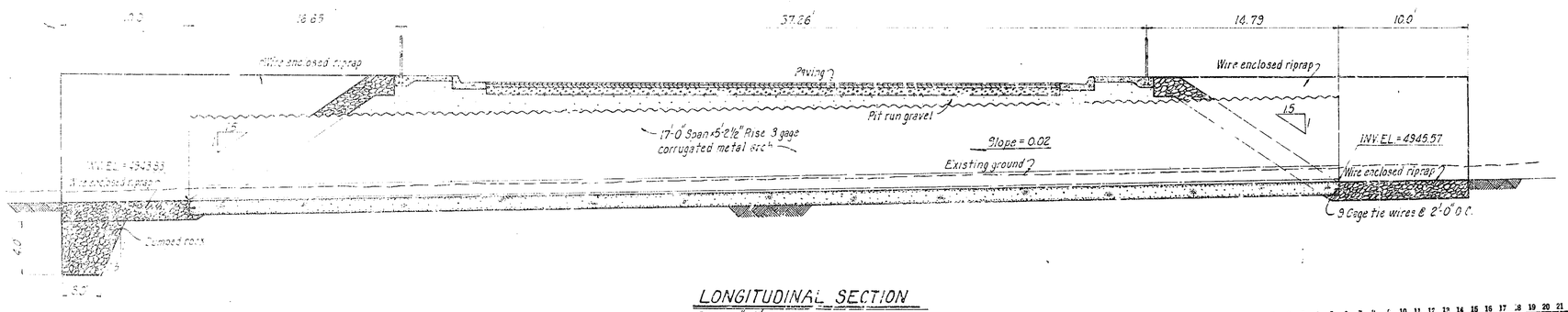
WIRE ENCLOSED RIPRAP DETAILS
Not To Scale



HANDRAIL AND WALK DETAILS
Scale: 3/8"=1'-0"



TRANSVERSE SECTION
Scale: ¼"=1'-0"



LONGITUDINAL SECTION
Scale: 1"=5'

ESTIMATED QUANTITIES	
DESCRIPTION	QUANTITY
1-17'-0" Span x 5'-2½" Rise 3 gage corrugated metal arch	88.70 LIN. FT.
18" Deep wire enclosed riprap	311 SQ. YDS.
Handrail	108 LIN. FT.
Common excavation	1800 CU. YDS.
Pit run fill material	1431 CU. YDS.
Dumped R.P.R.A.P.	35 CU. YDS.

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
10 12 5 3 8 6 2 58 12 1

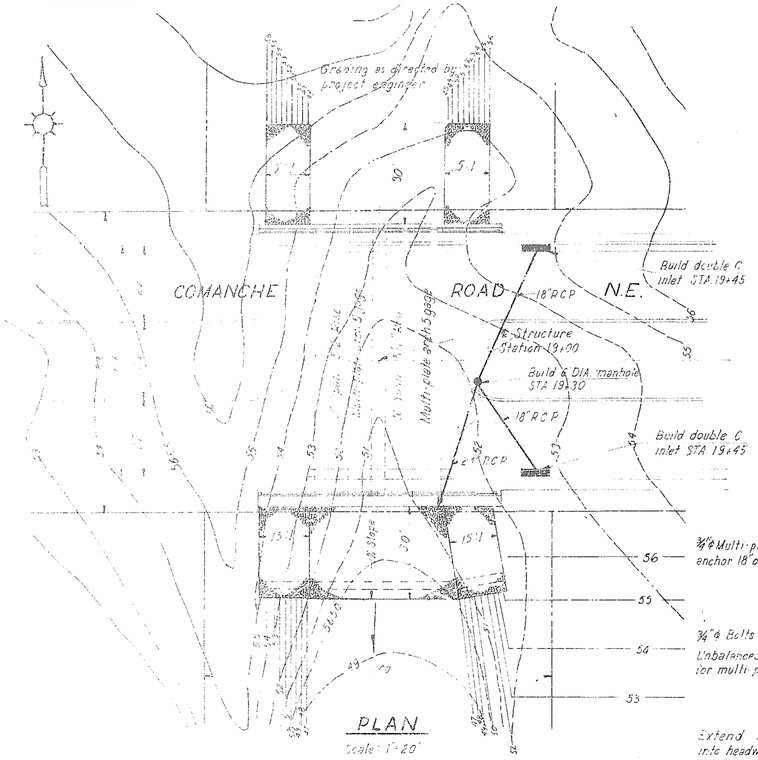
ALBUQUERQUE — NEW MEXICO

PAVING DISTRICT 125 AND 127
HAHN AND EMBUDO ARROYO
STREET CROSSING IMPROVEMENTS

MOUNTAIN ROAD N.W.
DRAINAGE STRUCTURE

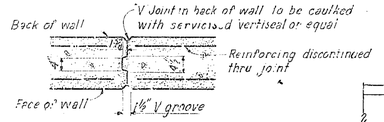
GORDON HERKENHOFF & ASSOCIATES, INC.
CONSULTING ENGINEERS
ALBUQUERQUE NEW MEXICO

SCALE	DATE	DRAWN: R.A.S.	SHEET 38
AS SHOWN	APRIL 1961	CHECKED:	OF 40



PLAN

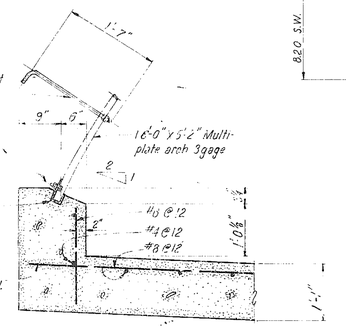
Scale: 1" = 20'



PLAN

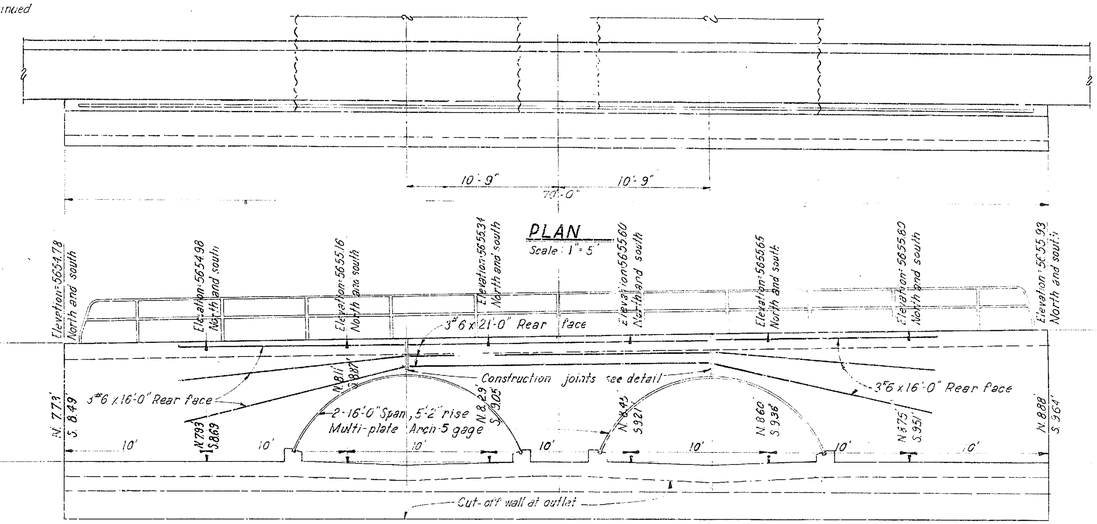
CONSTRUCTION JOINT

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



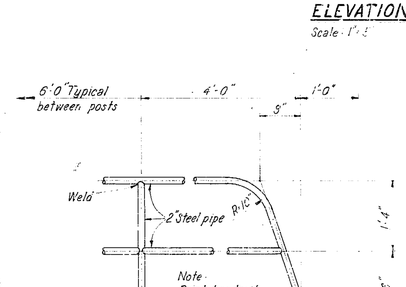
ARCH BEARING RECESS DETAIL

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



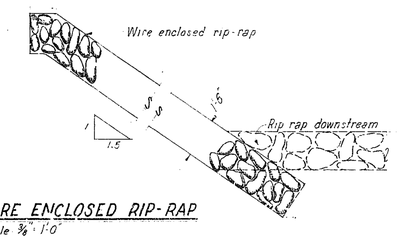
ELEVATION NORTH AND SOUTH

Scale: 1" = 5'



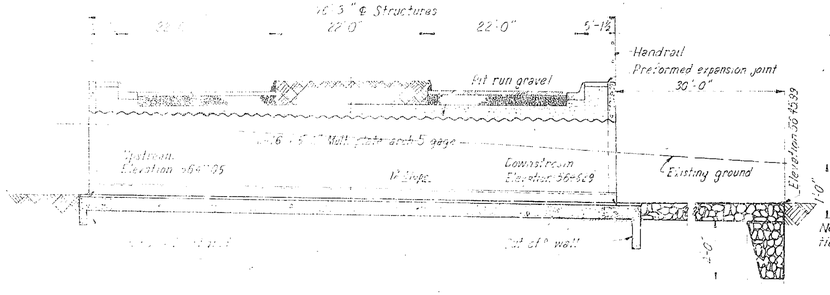
HANDRAIL DETAIL

Not to scale

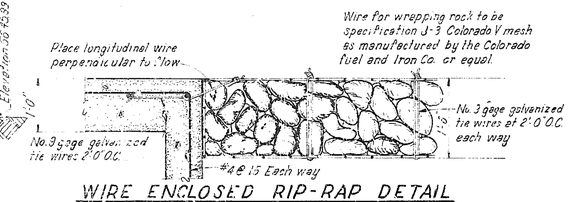


WIRE ENCLOSED RIP-RAP

Scale 3/8" = 1'-0"

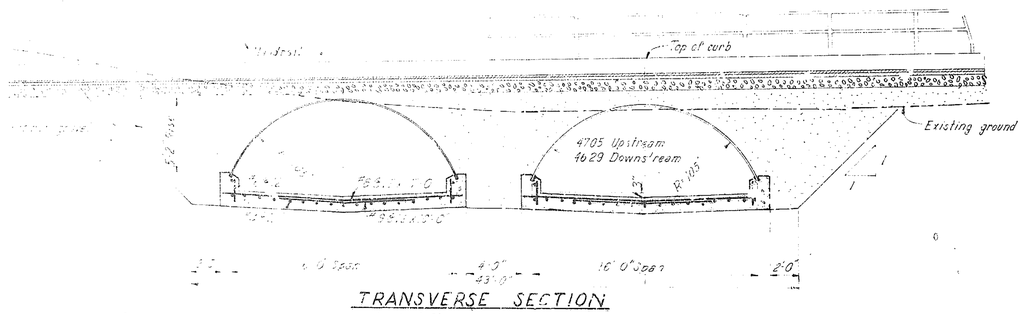


LONGITUDINAL SECTION



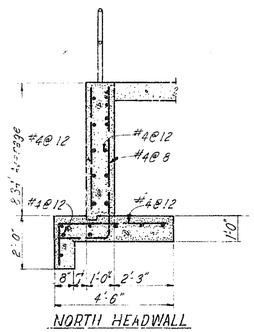
WIRE ENCLOSED RIP-RAP DETAIL

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

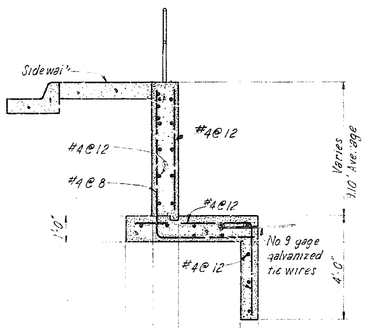


TRANSVERSE SECTION

Scale: 1" = 5'-0"



NORTH HEADWALL



HEADWALL DETAILS

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

SOUTH HEADWALL

ESTIMATED QUANTITIES

DESCRIPTION	QUANTITY
16' Span x 5-2" Rise 5 gage C.M.A.	152.5'
Reinforced concrete	770 Cubic yds
Reinforcing steel	5620 Lbs.
Rip-rap	317 Square yds
Dumped rip rap	45.0 Cubic yds
Handrail	136.0 ft.
Excavation unclassified	1710 Cubic yds
Granular backfill	846 Cubic yds.

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 1 2 5 3 9 6 2 6 0 2 1 2

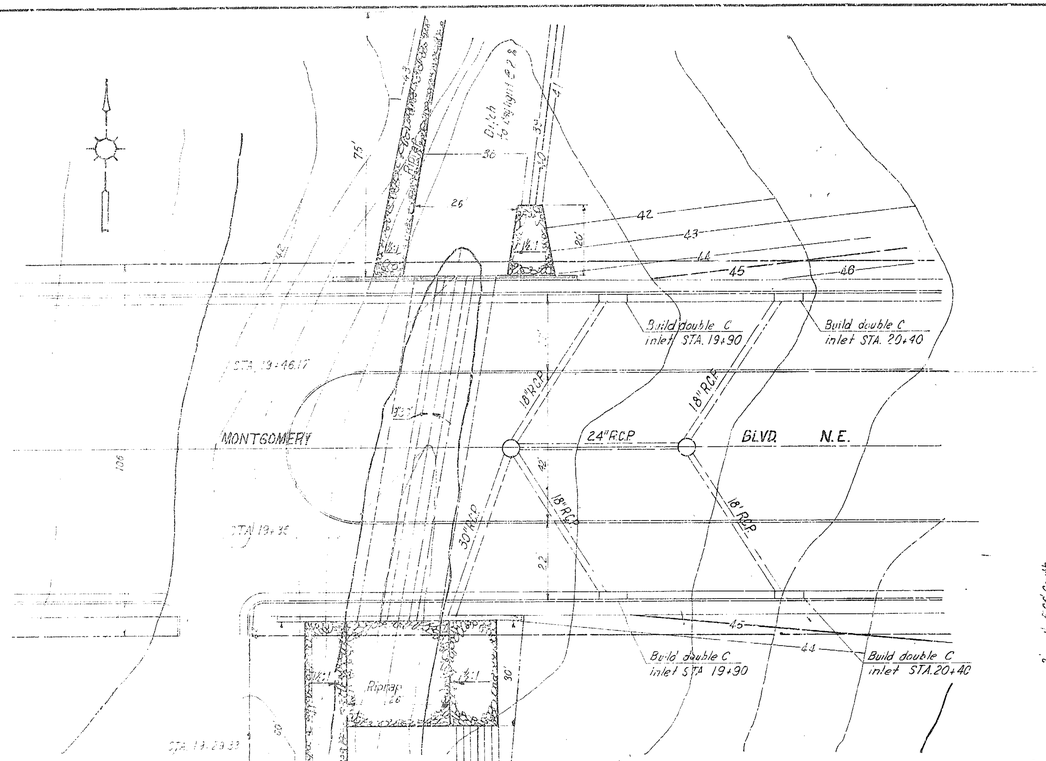
ALBUQUERQUE — NEW MEXICO

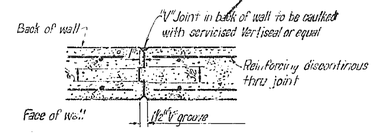
PAVING DISTRICT 125 AND 127
HAHN AND EMBUDO ARROYO
STREET CROSSING IMPROVEMENTS

COMANCHE ROAD N.E.
DRAINAGE STRUCTURE

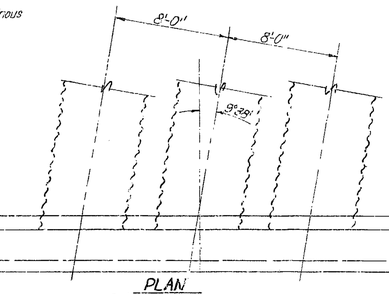
GORDON HERKENHOFF & ASSOCIATES, INC.
CONSULTING ENGINEERS
ALBUQUERQUE NEW MEXICO

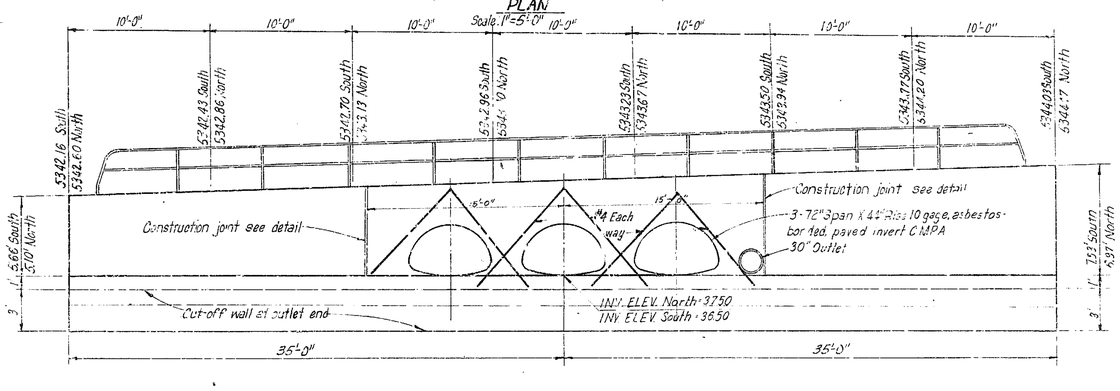
SCALE	DATE	DRAWN: R.A.L.	SHEET 39
AS SHOWN	APRIL 1961	CHECKED	OF 40

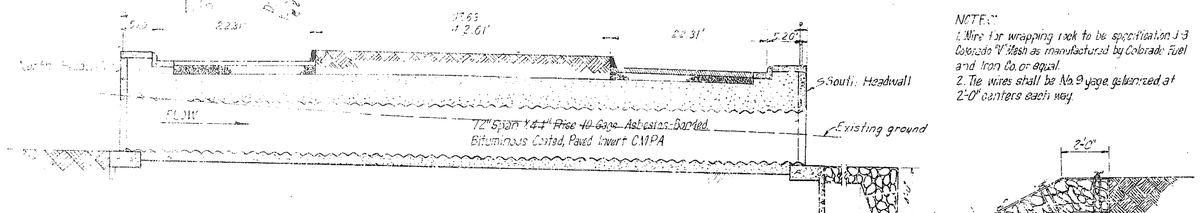




PLAN
CONSTRUCTION JOINT
Scale: 3/4"=1'-0"

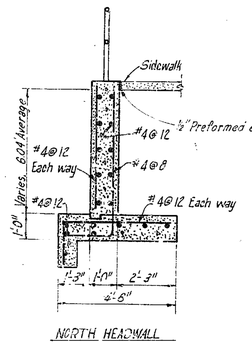




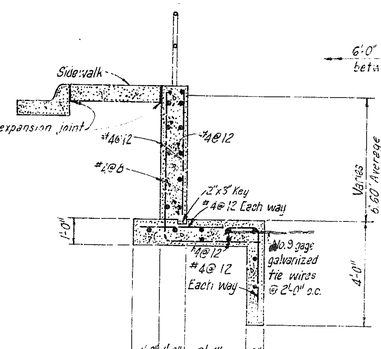


WIRE ENCLOSED RIPRAP DETAILS
Scale: 1" = 1'-0"

ELEVATION
Scale: 1"=5'-0"

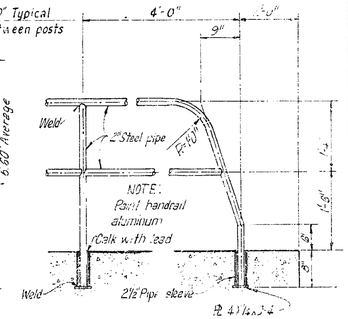


NORTH HEADWALL



SOUTH HEADWALL

HEADWALL DETAILS
Scale: 3/16"=1'-0"



HANDRAIL DETAIL
Not to scale

ESTIMATED QUANTITIES	
DESCRIPTION	QUANTITY
72" Span x 44" rise, 10gage C.M.P.A.	292.89
Reinforced concrete	93 cubic yds.
Reinforcing steel	4900 lbs.
18" Wire enclosed rip rap	440 square yds.
Dumped rip rap	50 cubic yds.
Handrail	192 ft.
Granular backfill	605 cubic yds.
Excavation unclassified	875 cubic yds.

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
10 125 4062 11 6192

ALBUQUERQUE — NEW MEXICO

PAVING DISTRICT 125 AND 127
HAHN AND EMBUDO ARROYO
STREET CROSSING IMPROVEMENTS

MONTGOMERY BLVD. N.E.
DRAINAGE STRUCTURE

GORDON HERKENHOFF & ASSOCIATES INC.
CONSULTING ENGINEERS
ALBUQUERQUE NEW MEXICO

SCALE	DATE	DRAWN: G.B.C	SHEET 40
AS SHOWN	APRIL 1961	CHECKED:	OF 40