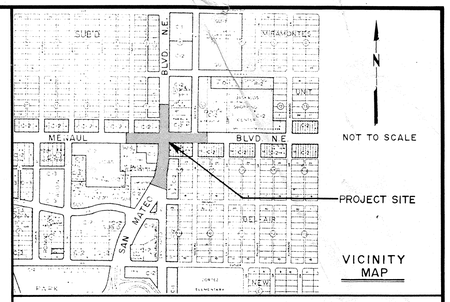
# SAN MATEO AND MENAUL INTERSECTION RECONSTRUCTION AND CHANNELIZATION

## CITY OF ALBUQUERQUE, NEW MEXICO
## TRANSPORTATION DEPARTMENT

N.M. PROJECT No. M-4046 (1)




VICINITY MAP

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ALBUQUERQUE SEAL NEW MEXICO 1706

CITY OF ALBUQUERQUE

KA Ewing — 4/23/86
STATE HIGHWAY DEPARTMENT — DATE

Charles A. Sloan — 4/28/86
FEDERAL HIGHWAY ADMINISTRATION — DATE

Joseph A. Martin — 3-10-86
DIRECTOR OF TRANSPORTATION, CITY OF ALBUQUERQUE — DATE

E. L. Haymaker — 3/19/86
CITY ENGINEER, CITY OF ALBUQUERQUE — DATE

1 2 3 4 5 6 7 8 9 10 11 12
26 2053011 85

AS ADVERTISED

SET NO. 8
DATE MAY 07 1986

| REV. | SHEETS | CITY ENGR. | DATE | USER DEPT. | DATE | USER DEPT. | DATE |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

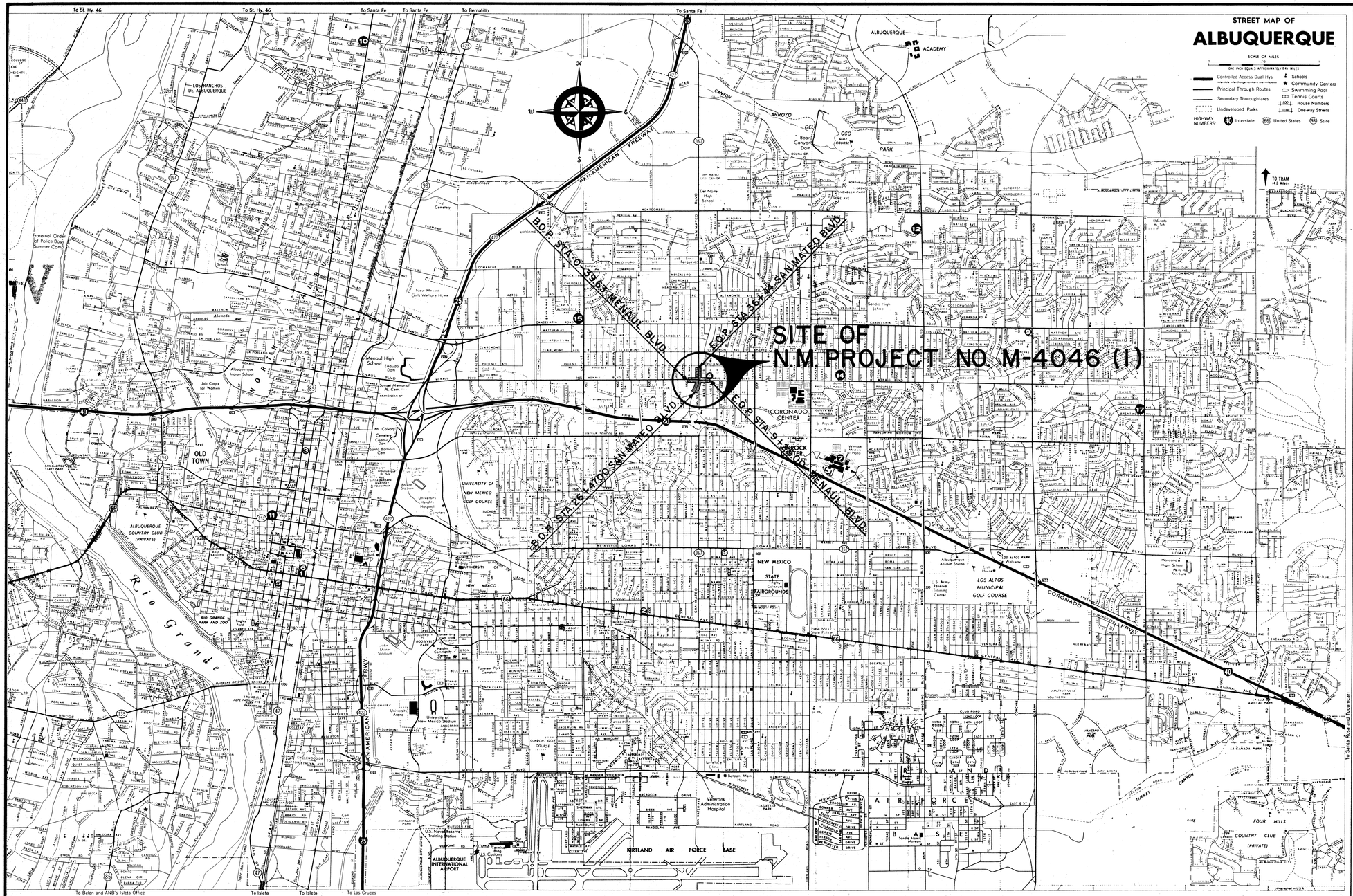
APPROVAL OF REVISIONS

GILBERT D. GARDNER NEW MEXICO 5633 REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR

GARDNER, MASON & ASSOC., INC.
ALBUQUERQUE, NEW MEXICO

APPROVED FOR CONSTRUCTION
CITY ENGINEER — DATE

SHEET 1-1 OF 51
DRAWING NO. 2053




1 2 3 4 5 6 7 8 9 10 11 12
2 6 2 0 5 3 0 2 8 5

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION
LOCATION MAP

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | [illegible] | 3/14/86 | Liquid Waste | N/A | 11/2/85 |
| A.C.E.- Design | [illegible] | 3/14/86 | Traffic | D.K. Parker | 12/2/85 |
| A.C.E.- Hydrology | [illegible] | 3/14/86 | Water | N/A | 10/2/85 |

DRAWING NO. 2053 | MAP NO. H-17, H-18 | SHEET 1-2 OF 51

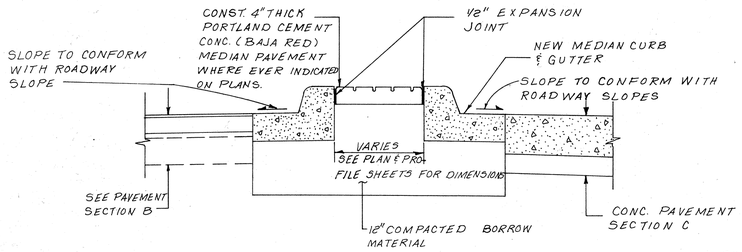
AS BUILT INFORMATION
CONTRACTOR
WORK ORDERED BY
INSPECTOR'S SIGNATURE BY
FIELD VERIFICATION BY
CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY
NO.
DATE

BENCH MARKS
Brass Cap - STA N.M. 367-8
Located in median of San Mateo Blvd. N.E. 22' North of intersection with Carter Ave. N.E.
Elev. 5224.26

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

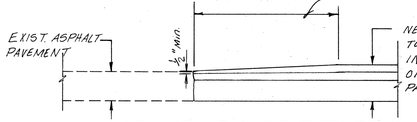
ENGINEER'S SEAL
[illegible]
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGNED BY [illegible] | DATE |
| | | DRAWN BY M.E.V. | DATE July 1984 |
| | | CHECKED BY G.G. | DATE July 1984 |



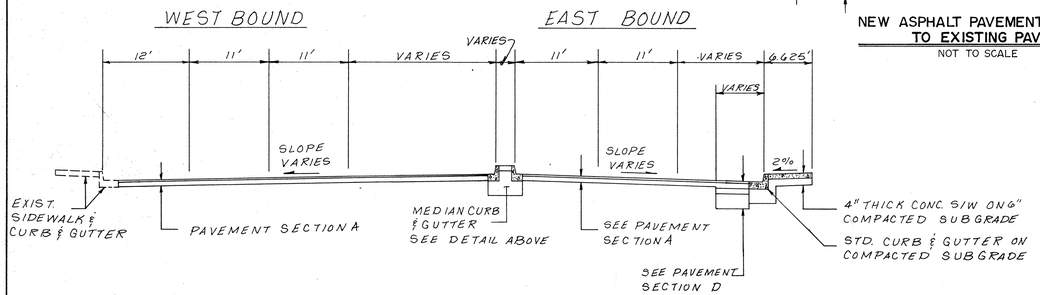

## MEDIAN CURB & GUTTER DETAIL

SCALE: 3/4" = 1'



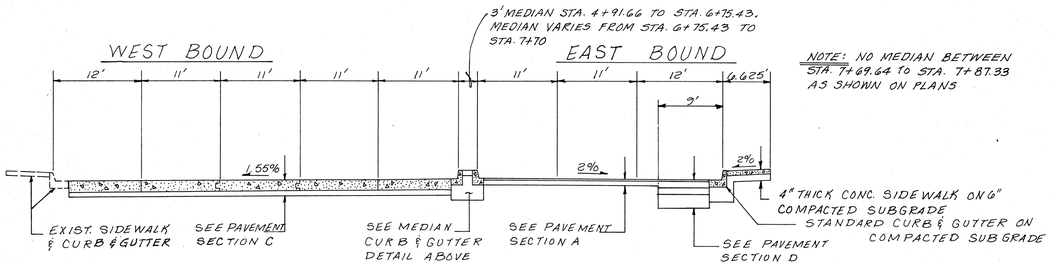

## NEW ASPHALT PAVEMENT TRANSITION TO EXISTING PAVEMENT

NOT TO SCALE




## TYPICAL SECTION MENAUL BLVD. STA. 7+70 TO STA. 9+25

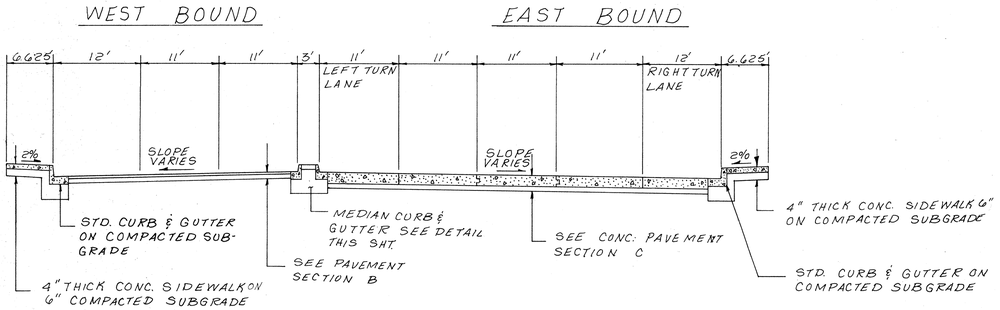
SCALE: 1" = 10' HORIZ.
1" = 5' VERT.




NOTE: NO MEDIAN BETWEEN STA. 7+69.64 TO STA. 7+87.33 AS SHOWN ON PLANS

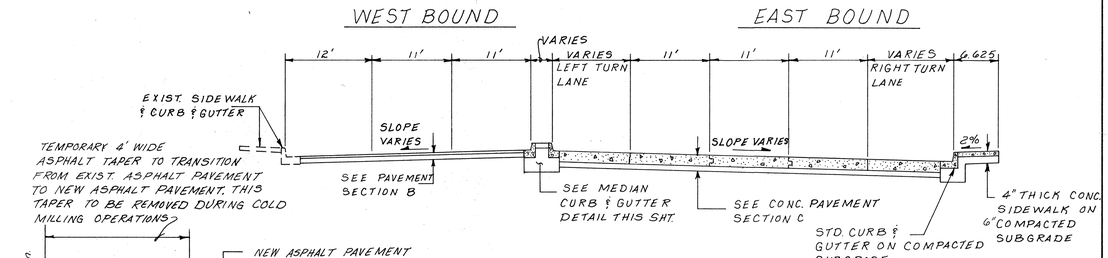
## TYPICAL SECTION MENAUL BLVD. STA. 4+91 TO STA. 7+70

SCALE: 1" = 10' HORIZ.
1" = 5' VERT.




## TYPICAL SECTION MENAUL BLVD. STA. 1+63 TO STA. 3+37

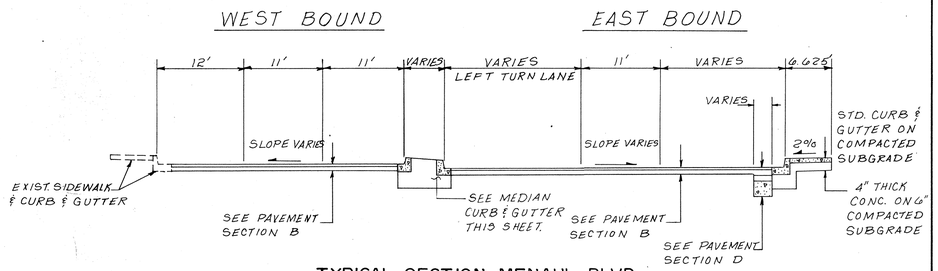
SCALE: 1"=10' HORIZ.
1"=5' VERT.




## TYPICAL SECTION MENAUL BLVD. STA. 0+73 TO STA. 1+63

SCALE: 1" = 10' HORIZ.
1" = 5' VERT

NOTE: STA. 0+63 TO STA. 0+73 EAST BOUND ASPHALT PAVEMENT TRANSITION TO CONCRETE PAVEMENT




## TYPICAL SECTION MENAUL BLVD. STA. 0-39.63 TO STA. 0+73

SCALE: HORIZ. 1" = 10'
VERT. 1" = 5'

NOTE: NO MEDIAN BETWEEN STA. 0+39.41 & STA. 0+58.08 AS SHOWN ON PLAN.

NOTES:

1. NEW MEDIAN CONSTRUCTION IS NEEDED FROM STA. 0+00 TO STA. 0+39 ONLY.
2. 12" COMPACTED SUBGRADE DEPTH REQUIRED UNDER ALL CURB & GUTTER.

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTORS
FIELD CHANGE BY
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
DATE
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

BENCH MARKS
Brass Cap - STA. M.N. 367-8
Located in median of San Mateo Blvd. N.E. 22' North of intersection with Cutler Ave., N.E.
Elev. 5204.26

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
RONALD D. GARDNER A REGISTERED PROFESSIONAL ENGINEER NEW MEXICO 5204

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | DATE 10-14-85 |
| | | DRAWN BY R.M. | DATE 10-17-85 |
| | | CHECKED BY B.J.G. | DATE |
| | | C.G. | |

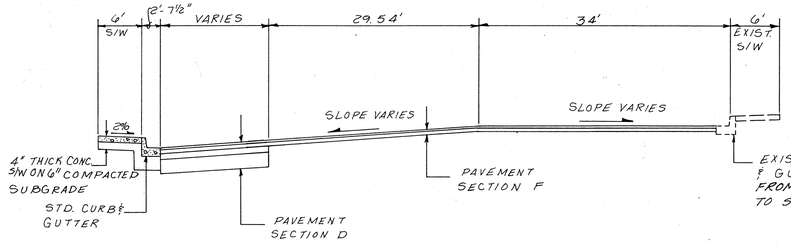
2 6 2 0 5 3 0 2 8 5

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION
TYPICAL STREET SECTION

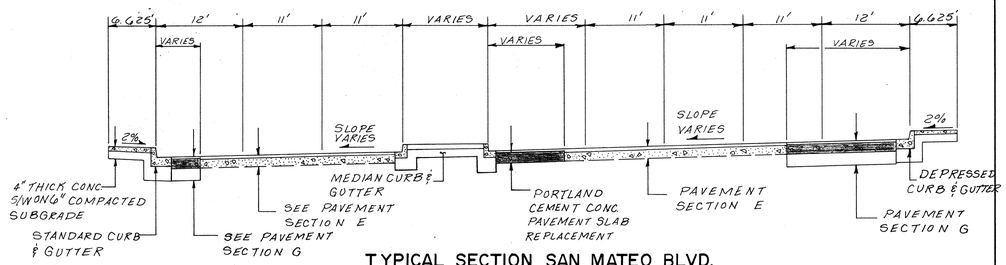
| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 3/14/86 | Liquid Waste | N/A BR | 12/2/85 |
| A.C.E.-Design | | 3/14/86 | Traffic | D.O. Peters | 12/2/85 |
| A.C.E.-Hydrology | | 3/14/86 | Water | N/A BR | 12/2/85 |

DRAWING NO. 2053
MAP NO. H-17, H-18
SHEET 2-1 OF 51



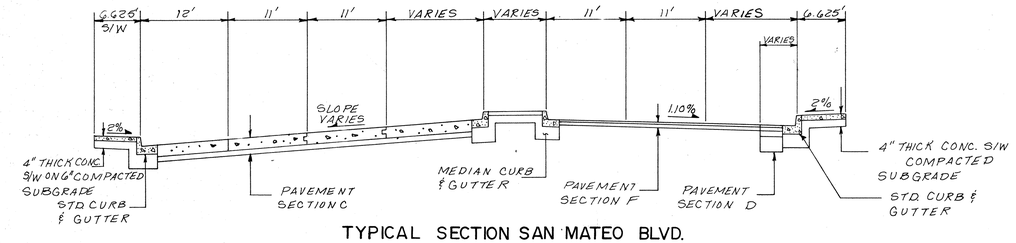

## TYPICAL SECTION SAN MATEO BLVD.
## STA. 35+09 TO STA 36+44

SCALE: 1"=10' HORIZ.
1"=5' VERT.



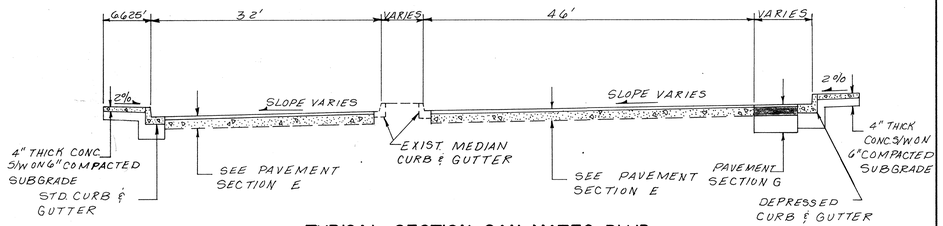

## TYPICAL SECTION SAN MATEO BLVD.
## STA. 27+70 TO STA. 28+70.15

SCALE: 1"=10' HORIZ.
1"=5' VERT.




## TYPICAL SECTION SAN MATEO BLVD.
## STA. 33+80 TO STA. 35+09

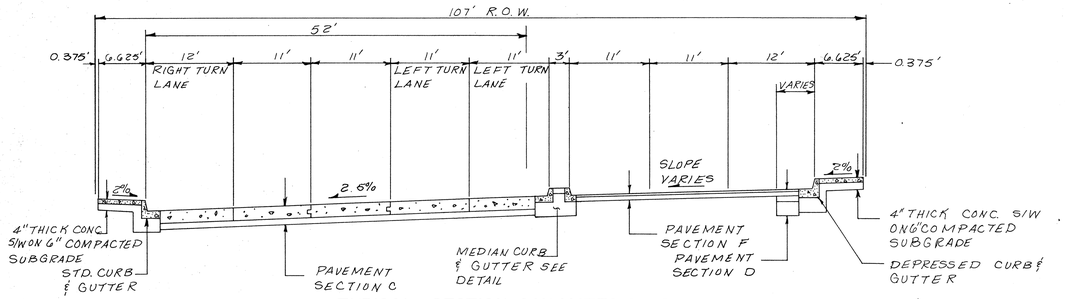
SCALE: 1"=10' HORIZ.
1"=5' VERT.




## TYPICAL SECTION SAN MATEO BLVD.
## STA. 26+47 TO STA. 27+70

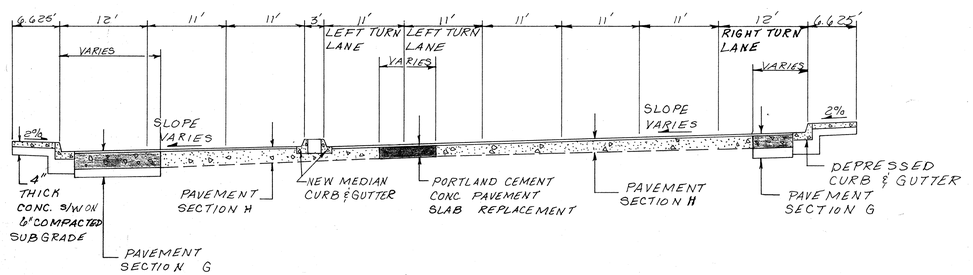
SCALE: 1"=10' HORIZ.
1"=5' VERT.

NOTE: NO MEDIAN BETWEEN STA. 26+75 & STA. 27+70 AS SHOWN ON PLANS.




## TYPICAL SECTION SAN MATEO BLVD.
## STA. 32+11.32 TO STA. 33+80

SCALE: 1"=10' HORIZ.
1"=5' VERT.




## TYPICAL SECTION SAN MATEO BLVD.
## STA. 28+70.15 TO STA. 30+50

SCALE: 1"=10' HORIZ.
1"=5' VERT.

AS BUILT INFORMATION

CONTRACTOR — DATE
STAKED BY
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
CHANGES CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

Brass Cap - STA. Y.M. 367-8
Located in median of San Mateo B/lvd. N.E. 22' North of intersection with Cutler Ave., N.E.
Elev. 5204.26

SURVEY INFORMATION

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEER'S SEAL

REVISIONS

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | DESIGN | |
| | | DESIGNED BY R.M. | DATE 10-14-85 |
| | | DRAWN BY B.S.G. | DATE 10-18-85 |
| | | CHECKED BY | DATE |

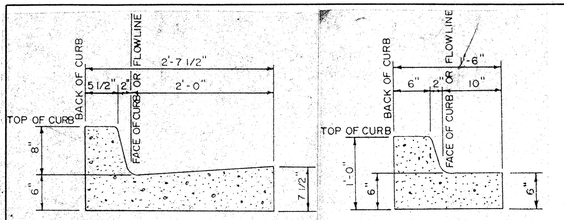
1 2 3 4 5 6 7 8 9 10 11 12
2 6 2 0 5 3 0 4 8 5

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

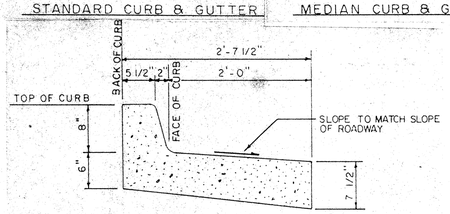
TITLE: SAN MATEO & MENAUL INTERSECTION
TYPICAL STREET SECTION

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 3/16/86 | Liquid Waste | N/A AR | 12/2/85 |
| A.C.E.- Design | | 3/14/86 | Traffic | D.G. Parks | 12/2/85 |
| A.C.E.- Hydrology | | 3/11/86 | Water | N/A AR | 12/2/85 |

DRAWING NO. 2053 | MAP NO. H-17, H-18 | SHEET 2-2 OF 51

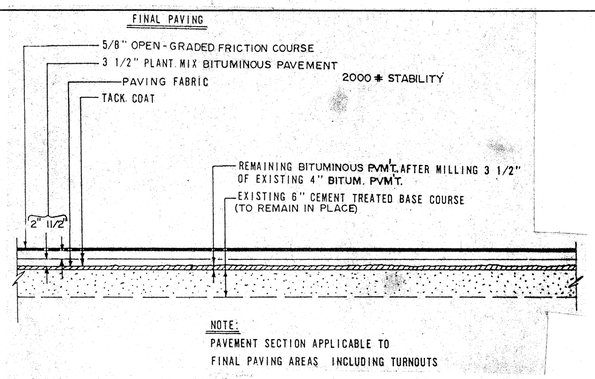



STANDARD CURB & GUTTER  MEDIAN CURB & GUTTER



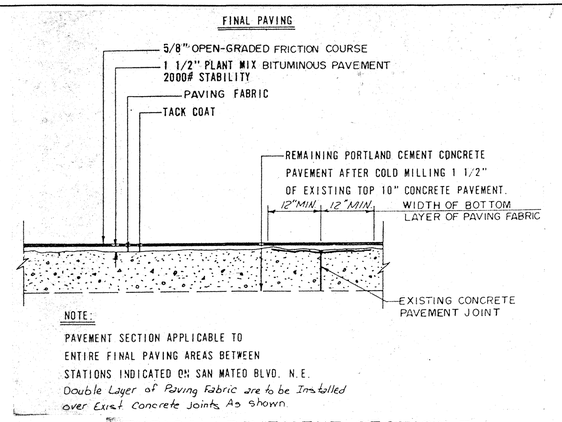

DEPRESSED CURB & GUTTER

## CURB AND GUTTER DETAILS
SCALE: 1"=1'



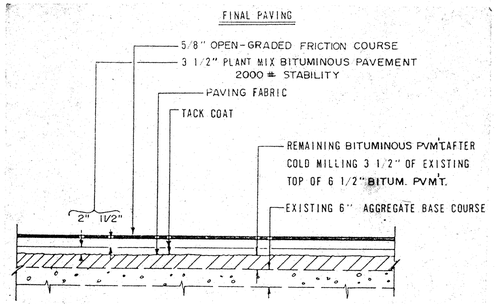

NOTE:
PAVEMENT SECTION APPLICABLE TO FINAL PAVING AREAS INCLUDING TURNOUTS

## TYPICAL PAVEMENT SECTION A
SCALE: 3/4"=1'



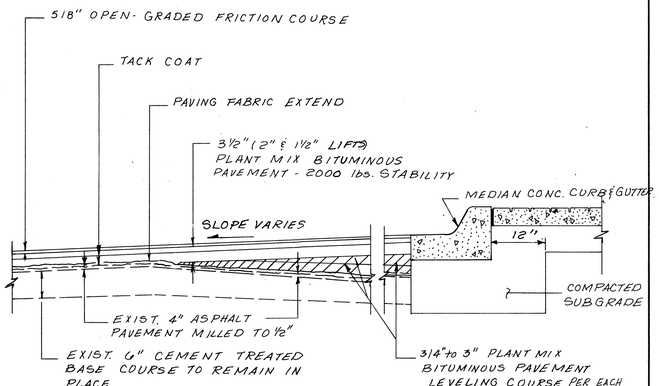

NOTE:
PAVEMENT SECTION APPLICABLE TO ENTIRE FINAL PAVING AREAS BETWEEN STATIONS INDICATED ON SAN MATEO BLVD. N.E.
Double Layer of Paving Fabric are to be Installed over Exist Concrete Joints As shown.

## TYPICAL PAVEMENT SECTION E
SCALE: 3/4"=1'

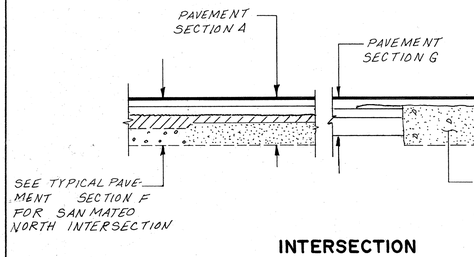



NOTE:
PAVEMENT SECTION APPLICABLE TO ENTIRE FINAL PAVING AREAS BETWEEN INDICATED STATIONS ON SAN MATEO BLVD. N.E.

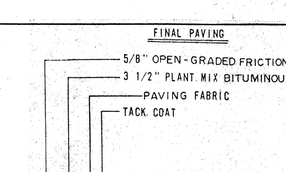
## TYPICAL PAVEMENT SECTION F
SCALE: 3/4"=1'



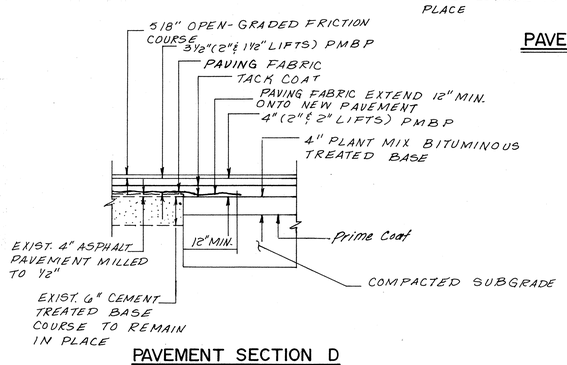

## PAVEMENT SECTION B
SCALE: 3/4"=1'



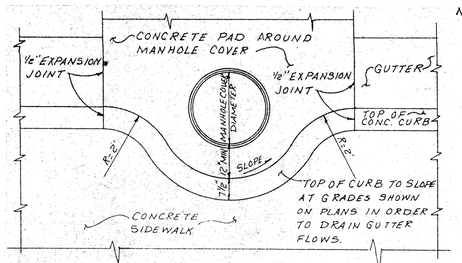

## INTERSECTION ASPHALT PAVEMENT SECTION
SCALE: 3/4"=1'




## CONCRETE PAVEMENT SECTION C
SCALE: 3/4"=1'

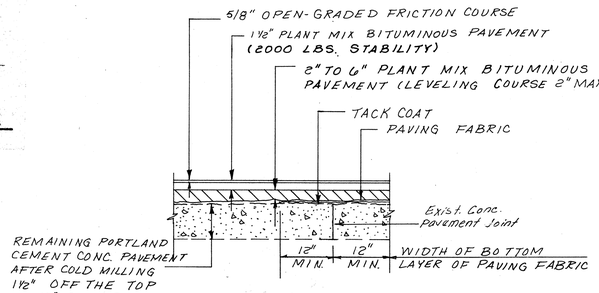



## PAVEMENT SECTION D
SCALE: 3/4"=1'

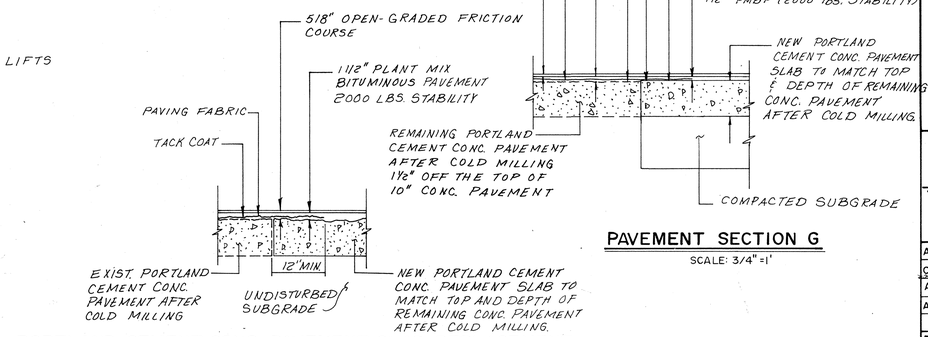



NOTE:
CONC. CURB AROUND MANHOLE SHOULD BE HAND PLACED AND FORMED IN CONJUNCTION WITH THE CONC. PAD AROUND THE MANHOLE.

## TYPICAL DETAIL FOR MANHOLE WITHIN NEW CONCRETE CURB AND GUTTER
SCALE 1/2"=1'




## PAVEMENT SECTION H
SCALE: 3/4"=1'




## PAVEMENT SECTION G
SCALE: 3/4"=1'

## PORTLAND CEMENT CONC. PAVEMENT SLAB REPLACEMENT
SCALE: 3/4"=1'

NOTES

1. ASPHALT PAVEMENT SECTION D AND G APPLICABLE TO AREAS NOT PREVIOUSLY PAVED AND WITHIN AREAS WHERE OBSTRUCTIONS ARE REMOVED FOR NEW PAVING.
2. BEFORE FINAL ASPHALT PAVING, COLD MILL EXISTING AND NEW ASPHALT PAVEMENT AREAS IN ORDER TO MATCH TO DIMENSIONS SHOWN ON PLANS. COLD MILLING TO EXTEND 1 FT. ONTO NEW PAVEMENT WHERE REQUIRED TO ALLOW FOR OVERLAP OF REINFORCING FABRIC ONTO NEW PAVEMENT.
3. EXISTING CRACKS AND JOINTS IN THE EXISTING CONCRETE PAVEMENT ARE TO BE CLEANED AND FILLED WITH JOINT SEALANT PRIOR TO PLACING ASPHALT OVERLAY, AFTER MILLING OPERATIONS.
4. ALL PAVEMENT CUTS AND REMOVAL FOR INSTALLATION OF NEW CONDUITS, LOOP DETECTORS OR REMOVALS OF OLD CONDUITS AND DETECTORS SHALL BE PATCHED NOT LESS THAN 1'-4" IN WIDTH AND IN ACCORDANCE WITH ASPHALT PAVEMENT SECTION DETAILS D AND G.
5. FINAL PLACEMENT 5/8" OPEN-GRADED FRICTION COURSE SHALL BE NEAR THE COMPLETION OF THE PROJECT AFTER ALL OTHER PAVING ACTIVITIES, UTILITY WORKS AND TRAFFIC LOOP DETECTORS HAVE BEEN INSTALLED.

SURVEY INFORMATION — FIELD NOTES

| NO. | BY | DATE |
|---|---|---|

AS BUILT INFORMATION

CONTRACTOR — DATE
STAKED BY
INSPECTORS
FIELD BOOK BY — DATE
FIELD CHANGES
VERIFICATION BY — DATE
CORRECTIONS
CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS
Brass Cap - STA N.M. 367-8
Located in median of San Mateo Blvd N.E. 22' North of intersection with Cutler Ave. N.E.
Elev. 5204.26

ENGINEER'S SEAL

REVISIONS

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | DESIGN | |

DESIGNED BY R.M. DATE 10-14-85
DRAWN BY B.J.G. DATE 10-27-85
CHECKED BY DATE

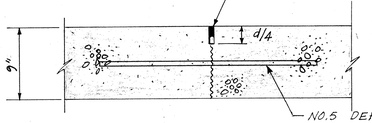
1 2 3 4 5 6 7 8 9 10 11 12
2 6 2 0 5 3 0 8 5

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION
TYPICAL PAVEMENT SECTION

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 3/19/86 | Liquid Waste | n/a | 3/27/86 |
| A.C.E.- Design | | 3/11/86 | Traffic | D.O. Parker | 12/2/85 |
| A.C.E.-Hydrology | | 3/11/86 | Water | n/a | 12/2/85 |

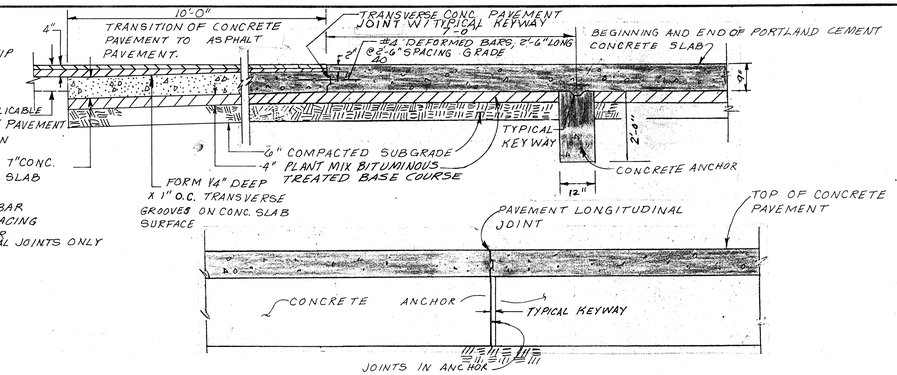
DRAWING NO. 2053 | MAP NO. H-17,H-18 | SHEET 2-3 OF 51




## TYPE "D" JOINT

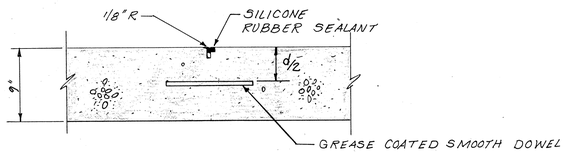
SAWED OR PREMOLDED STRIP LONGITUDINAL JOINTS

NOT TO SCALE




## ANCHOR DETAIL

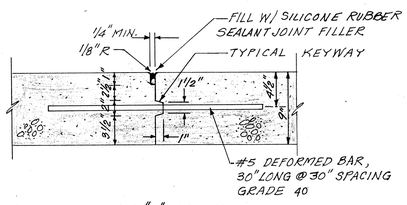
SCALE: 1/2"=1'




## TYPE "B" JOINT

TRANSVERSE DOWELLED SAWED CONTRACTION JOINT

NOT TO SCALE




## TYPE "A" JOINT

KEYED LONGITUDINAL CONSTRUCTION JOINT WITH TIEBARS

NOT TO SCALE




(USE TYPE "C" AT END OF DAYS PAVING. UNLESS DAYS PAVING ENDS AT EXPANSION JOINT.)

## TYPE "C" JOINT

KEYED TRANSVERSE CONSTRUCTION JOINT WITH TIEBARS

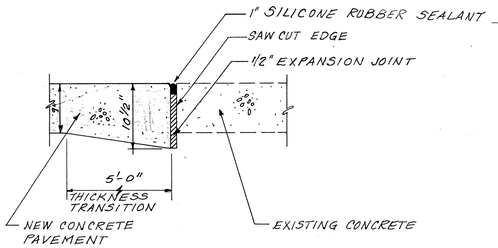
NOT TO SCALE




## TYPE "E" JOINT

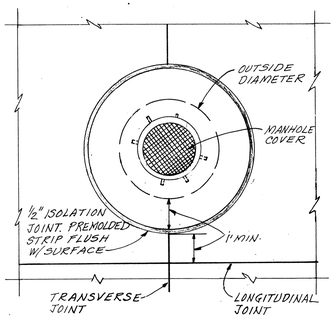
CONSTRUCTION JOINT

NOT TO SCALE




## TYPE "H" JOINT FOR CONNECTION TO EXISTING CONCRETE SLAB

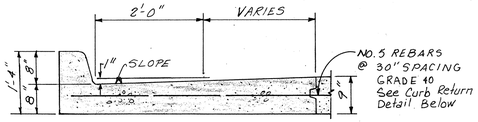
NOT TO SCALE




## TYPE "J" JOINT

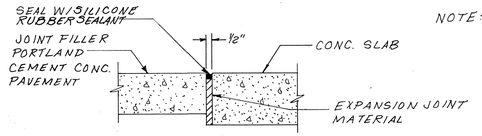
ISOLATION JOINT AROUND MANHOLE

NOT TO SCALE




## SECTION F-F - CURB RETURN

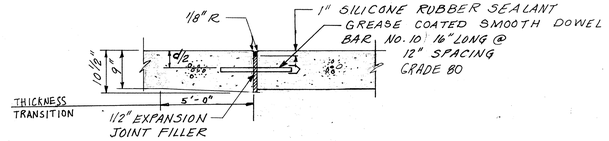
NOT TO SCALE




## ISOLATION JOINT DETAIL

SCALE: 3/4" = 1'

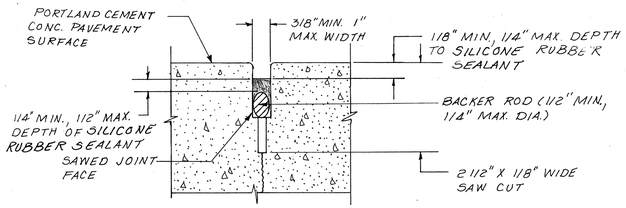
NOTE: JOINT TYPES ARE SPECIFIED ON SHTS. 3-8 & 3-9



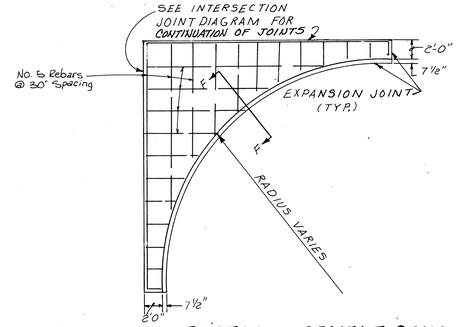

CONCRETE PAVEMENT

## TYPE "G" EXPANSION JOINT DETAILS

NOT TO SCALE

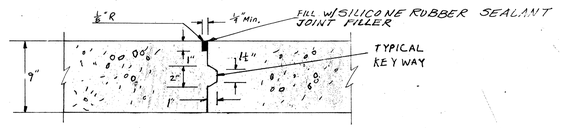



## JOINT SEALANT RESERVOIR WITH BACK-UP ROD




## PORTLAND CEMENT CONCRETE PAVEMENT - CURB RETURN DETAIL

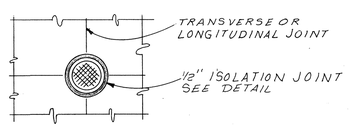
NOT TO SCALE




## TYPE "F" JOINT

KEYED LONGITUDINAL CONSTRUCTION JOINT

NOT TO SCALE




## TYPE "K" JOINT FOR VALVE BOX

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|

AS BUILT INFORMATION

CONTRACTOR
WORK STARTED BY — DATE
WORK COMPLETED — DATE
ACCEPTANCE BY
FIELD VERIFICATION BY — DATE
AS BUILTS — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

Brass Cap - STA. N.M. 367-8
Located in median of San Mateo @ Mat. 1/4"
22' North of intersection with Cutler Ave., N.M.
Elev. 5204.26

ENGINEER'S SEAL

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | |
| DESIGNED BY | | CC | DATE 7/84 |
| DRAWN BY | | MM & BG | DATE 7/84 |
| CHECKED BY | | GG | DATE 7/84 |

1 2 3 4 5 6 7 8 9 10 11 12
2 6 2 0 5 3 0 6 8 5

CITY OF ALBUQUERQUE

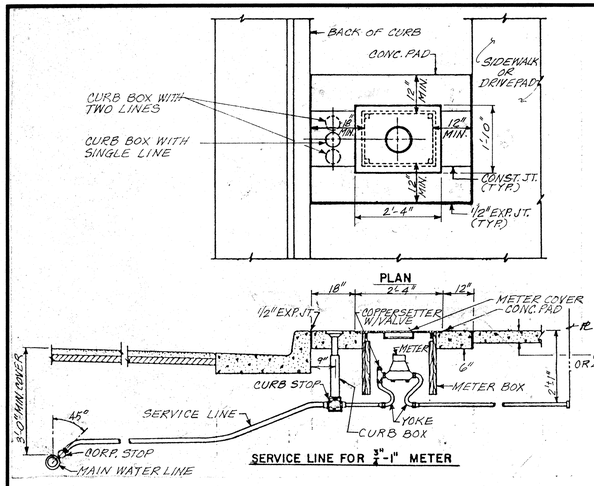
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION

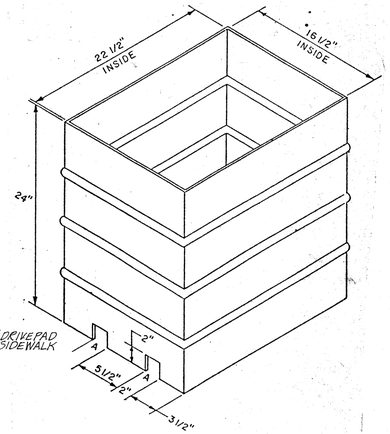
CONCRETE STREET JOINTING DETAILS

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 7/24/86 | Liquid Waste | N/A | |
| A.C.E.-Design | | 5/11/86 | Traffic | D.C. | 12/5/85 |
| A.C.E.-Hydrology | | 3/11/86 | Water | N/A RC | 12/5/85 |

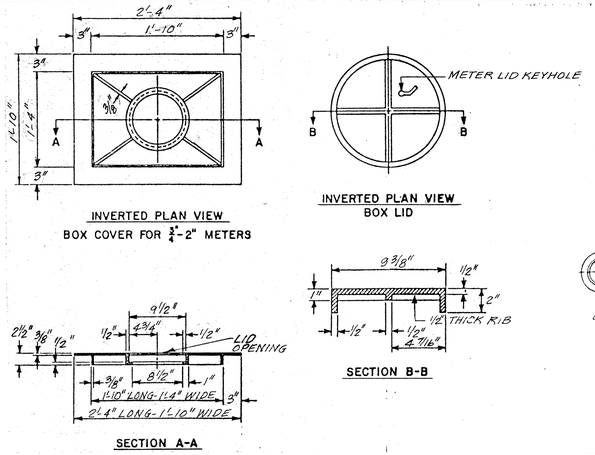
DRAWING NO. 2053 | MAP NO. H-17, H-18 | SHEET 2-4 OF 51



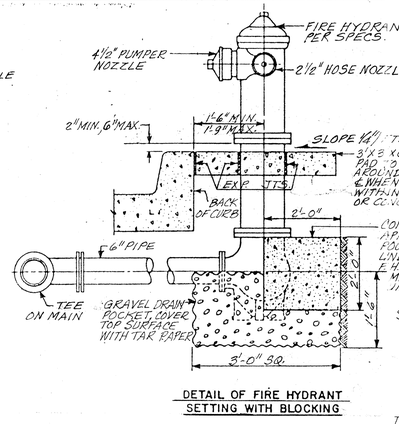

## WATER METERED SERVICE LINE INSTALLATION



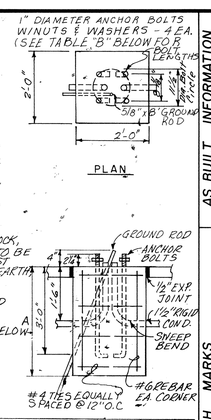

## WATER METER BOX




## WATER METER BOX COVER AND LID




## FIRE HYDRANT INSTALLATION

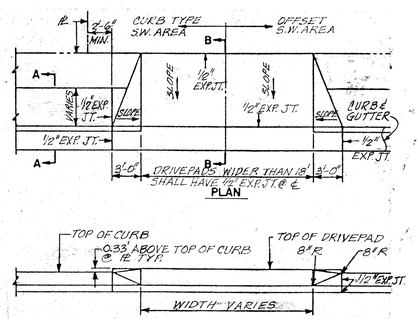



| | INSTALLATION TYPE | A | B |
|---|---|---|---|
| TYPE I | UNDERGROUND OR OVERHEAD UP TO 5° | 3'-6" | 3' |
| TYPE II | OVERHEAD 5° TO 25° ANGLE | 5'-6" | 5' |

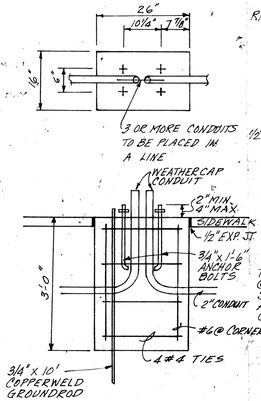
## ARTERIAL STREET LIGHT FOUNDATION

(SEE SHEET 5-2 FOR ADDITIONAL STREET LIGHT DETAILS)

(SEE SHEET 2-14 FOR CONC. & REINFORCEMENT QUANTITIES)

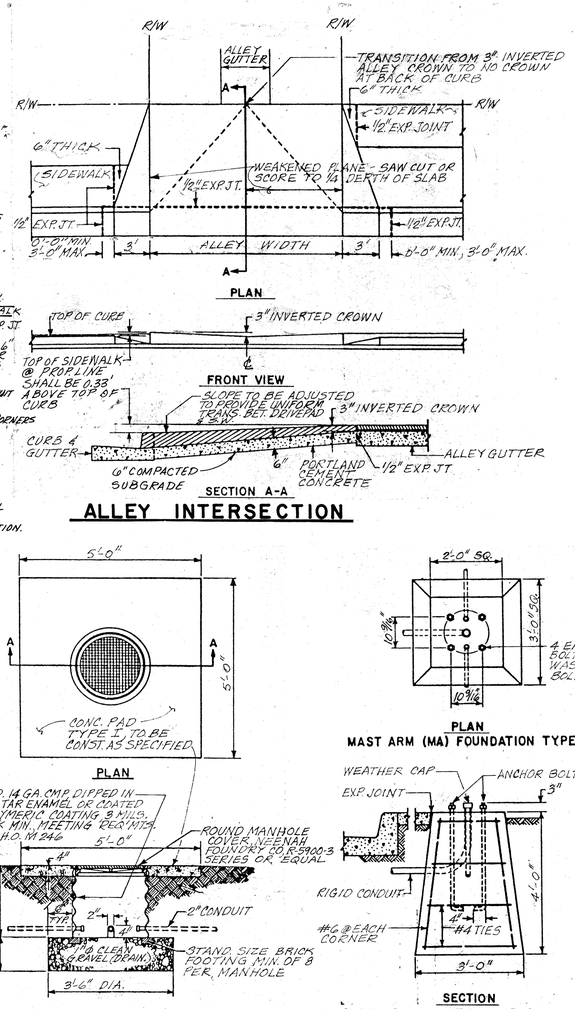



## DRIVEPADS

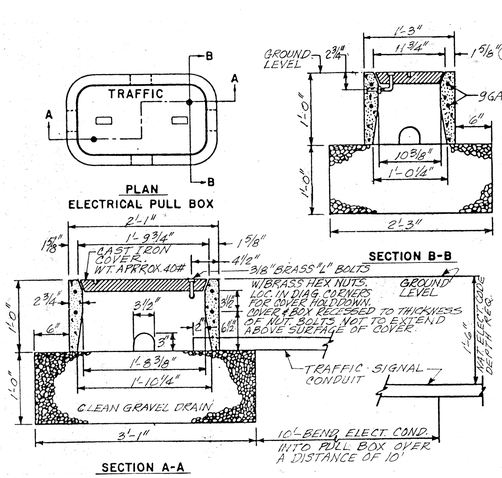



## SPLICE CABINET FOUNDATION

(GAYLORD)

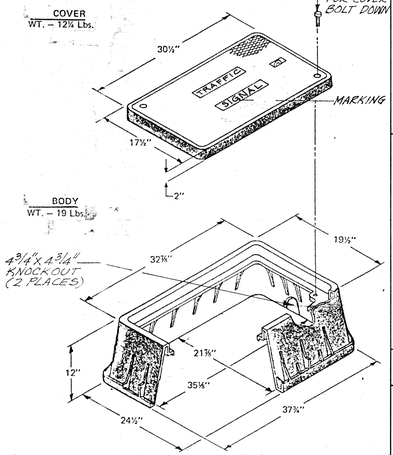



## ALLEY INTERSECTION



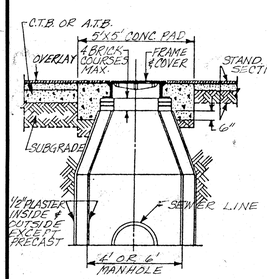

## PULL BOX-STANDARD

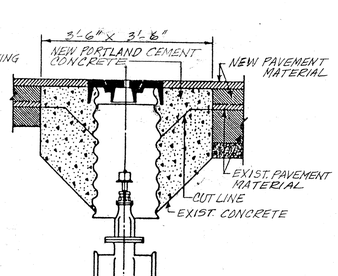



## PULL BOX-LARGE

NOTE: ALL PULL BOXES SHALL BE OF A.B.S. MATERIAL.




## MANHOLE AND VALVE BOX REGRADING

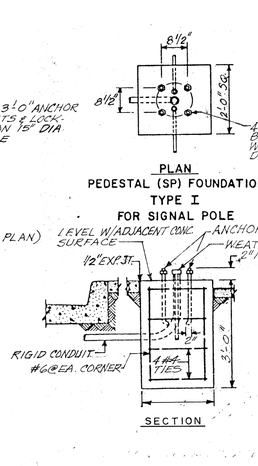



## TRAFFIC SIGNAL MANHOLE-TYPE I

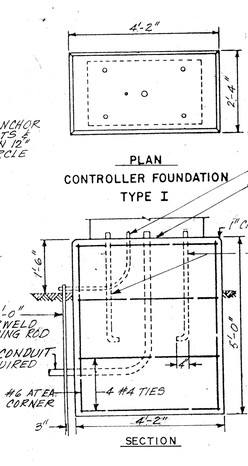



## MAST ARM FOUNDATION

(SEE SHEET 2-14 FOR CONC. & REINFORCEMENT QUANTITIES)




## PEDESTAL FOUNDATION




## CONTROLLER FOUNDATION

| APPROVALS | ENGINEER | DATE |
|---|---|---|
| City Engineer | | 3/19/86 |
| A.C.E.- Design | | 3/19/86 |
| A.C.E.- Hydrology | | 3/19/86 |

| APPROVALS | ENGINEER | DATE |
|---|---|---|
| Liquid Waste | | 11/15/85 |
| Traffic | D.A. Baker | 12/2/85 |
| Water | B.G.C. | 11/15/85 |

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION
PAVING, WATER AND TRAFFIC STANDARD DETAILS

| DRAWING NO. | MAP NO. | SHEET |
|---|---|---|
| 2053 | H-17, H-18 | 2-5 OF 51 |

AS BUILT INFORMATION
CONTRACTOR
STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWING CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
Grass Cap - STA. N.M. 347-8
Located in median of San Mateo Blvd. N.E. 22' North of intersection with Cutler Ave. N.E.
Elev. 5204.26

SURVEY INFORMATION
FIELD NOTES BY — DATE
NO.

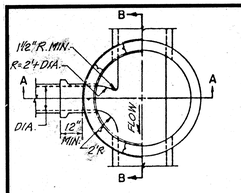
ENGINEER'S SEAL

REVISIONS

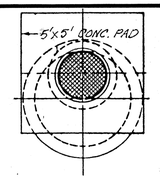
| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | | |

DESIGNED BY C.C. DATE 7/84
DRAWN BY M.X. DATE 7/84
CHECKED BY G.G.

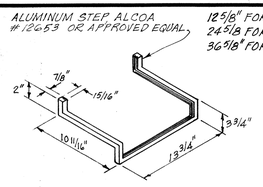
2 6 | 2 0 5 3 | 0 7 8 5 | 1 2 3 4 5 6 7 8 9 10 11 12



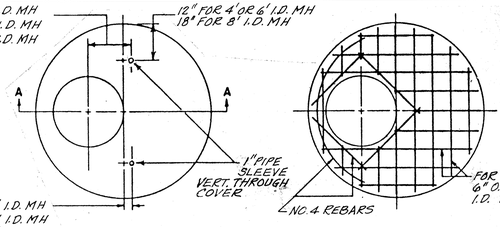

FLOOR PLAN AT C-C




PLAN AT D-D

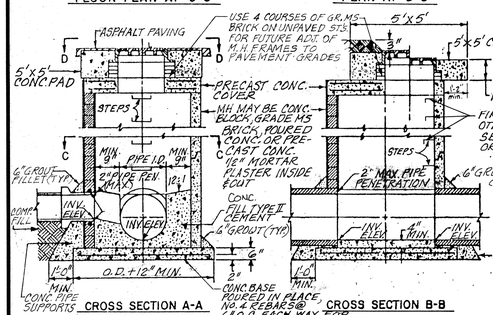



STEP



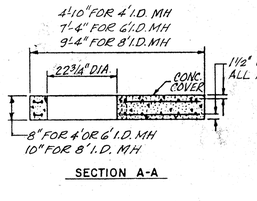

PLAN

TOP MAT

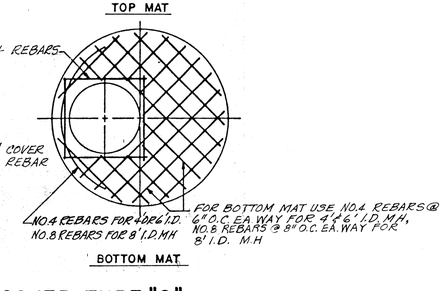



CROSS SECTION A-A

CROSS SECTION B-B

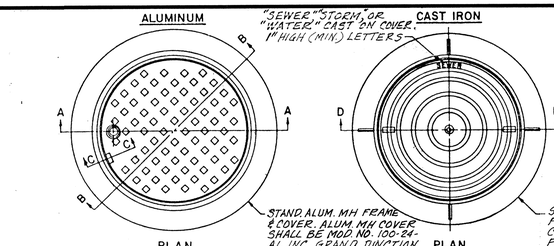



SECTION A-A



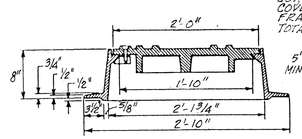

BOTTOM MAT

## MANHOLE COVER TYPE "C"

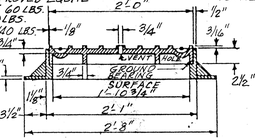



PLAN

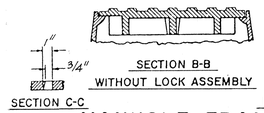
PLAN




SECTION A-A WITH LOCK ASSEMBLY




SECTION D-D

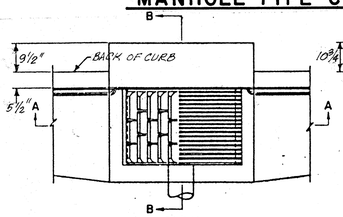



SECTION C-C

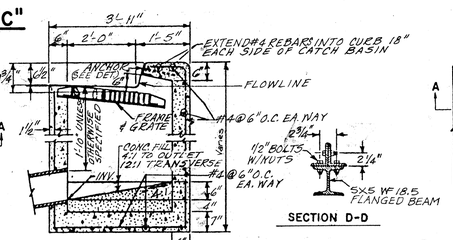
LID LOCK ASSEMBLY DETAIL

## MANHOLE FRAMES & COVERS

## MANHOLE TYPE "C"



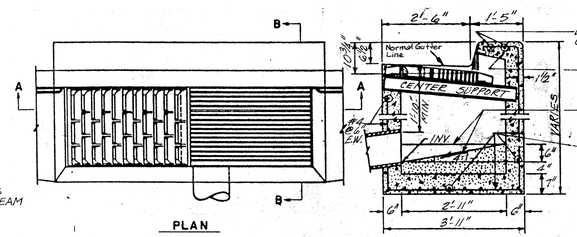

PLAN




SECTION B-B

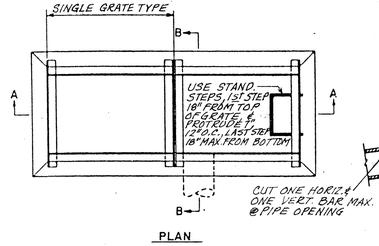



SECTION D-D

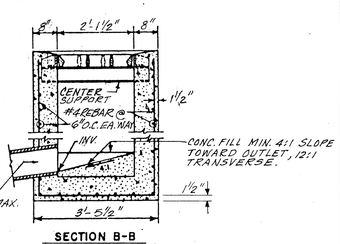



PLAN

SECTION B-B




PLAN




SECTION B-B




SECTION A-A




ANCHOR DETAIL




SECTION B-B

PLAN

CENTER SUPPORT




SECTION A-A

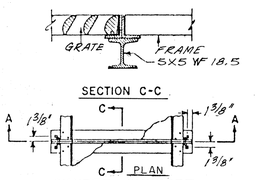
## STORM INLET DOUBLE "C"




SECTION A-A




SECTION A-A



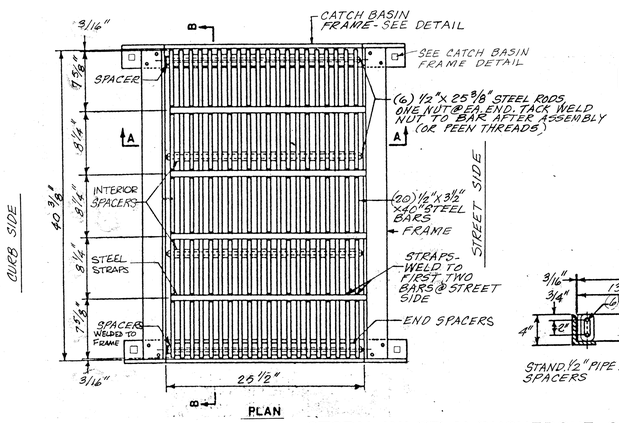

SECTION C-C



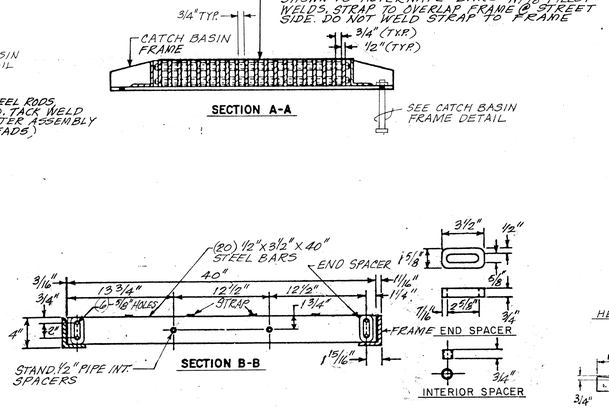

CENTER SUPPORT

## STORM INLET DOUBLE "D"

NOTE:
1. WHEN INSTALLED IN FRAME, PUSH TIGHT TO ONE SIDE, OTHER SIDE SHALL HAVE 5/8" MAX. OPENING. SPACERS WELDED TO FRAME MAYBE USED IF REQUIRED TO KEEP 5/8" SPACE OR LESS WELD TO FRAME.
2. ALL REINFORCING STEEL IN CONCRETE TO HAVE 1½" EMBEDMENT



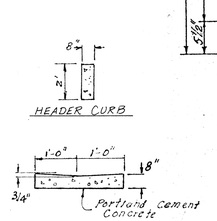

PLAN




SECTION A-A

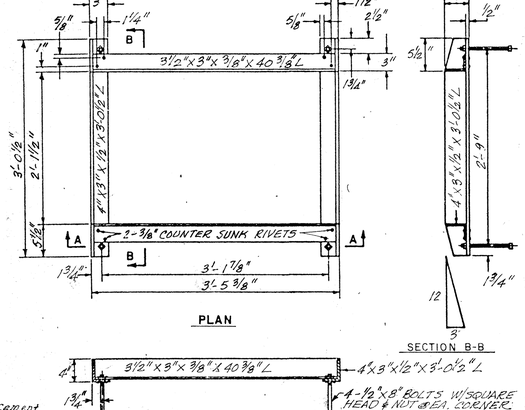



SECTION B-B



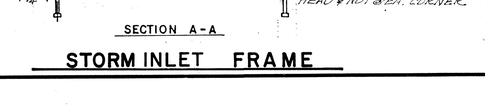

VALLEY GUTTER

## STORM INLET ALBUQUERQUE GRATE




PLAN

SECTION B-B




SECTION A-A

## STORM INLET FRAME

ENGINEER'S SEAL

GARDNER R. ENGLE 5653 NEW MEXICO REGISTERED

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY — DATE
CONSTRUCTION ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
Brass Cap - STA. N.M. 367-8
Located in median of San Mateo Blvd. N.E. 22' North of intersection with Cutler Ave., N.E.
Elev. 5204.26

SURVEY INFORMATION
FIELD NOTES BY — DATE
NO.

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | DATE 7/84 |
| | | DESIGNED BY C.C. | DATE 7/84 |
| | | DRAWN BY M.X. | DATE 7/84 |
| | | CHECKED BY G.G. | |

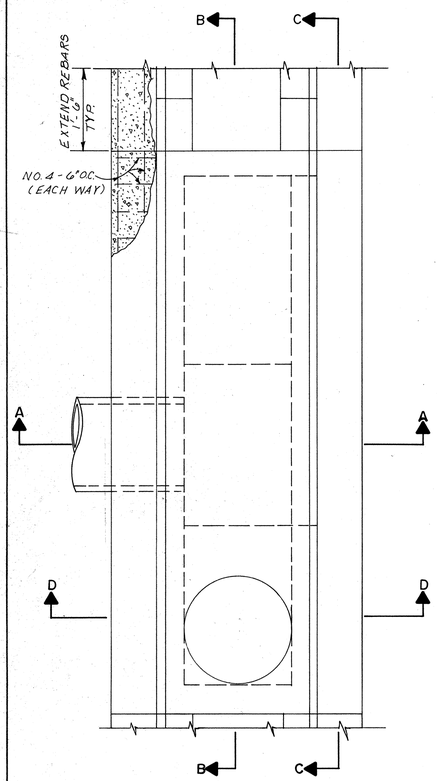
CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION
MANHOLE, STORM INLET & CURB STANDARD DETAILS

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | | Liquid Waste | B Ron | 11/5/85 |
| A.C.E. - Design | | 3/1/86 | Traffic | D.Q. Peck | 10/28/85 |
| A.C.E. - Hydrology | | 3/1/86 | Water | A Rod | 11/5/85 |

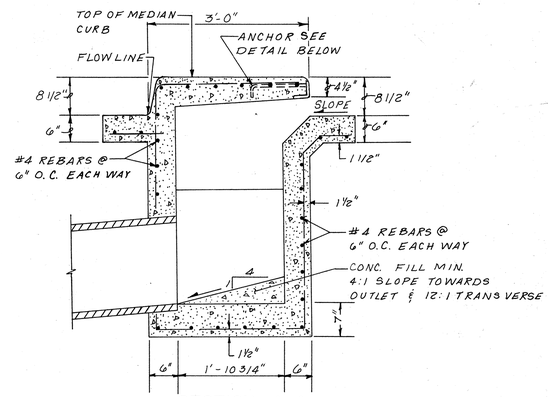
DRAWING NO. 2053 — MAP NO. H-17, H-18 — SHEET 2-6 OF 51

1 2 3 4 5 6 7 8 9 10 11 12
26 205308B5



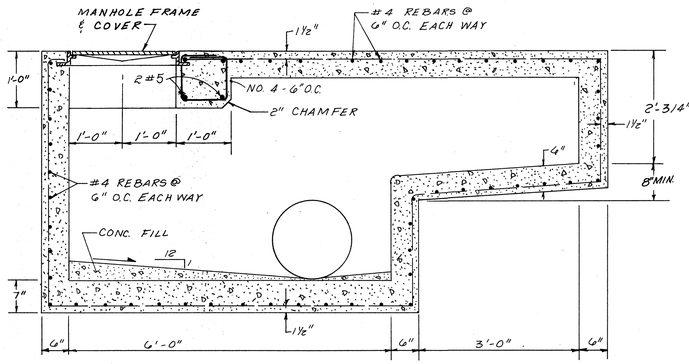

PLAN

SCALE: 3/4" = 1'



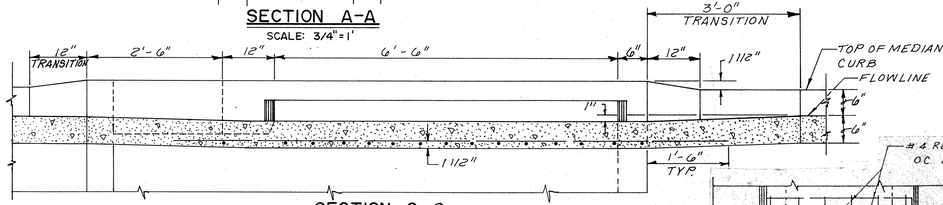

SECTION A-A

SCALE: 3/4" = 1'



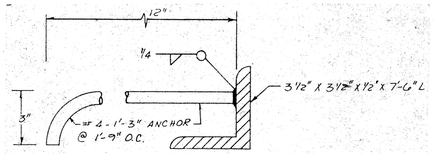

SECTION B-B

SCALE: 3/4" = 1'



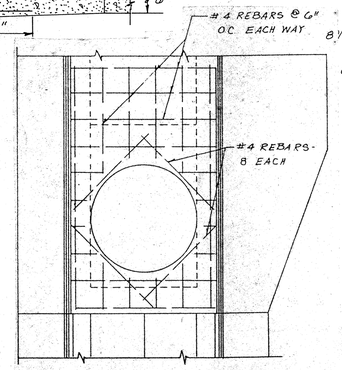

SECTION C-C

SCALE: 3/4" = 1'



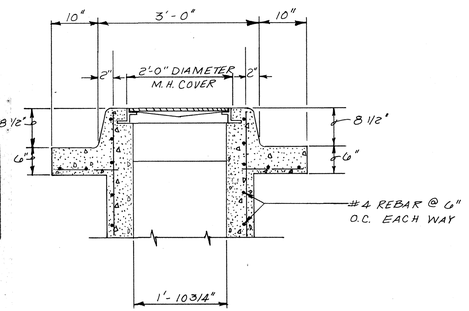

ANCHOR DETAIL

SCALE: 3/4" = 1'




TOP MAT OF REINFORCEMENT

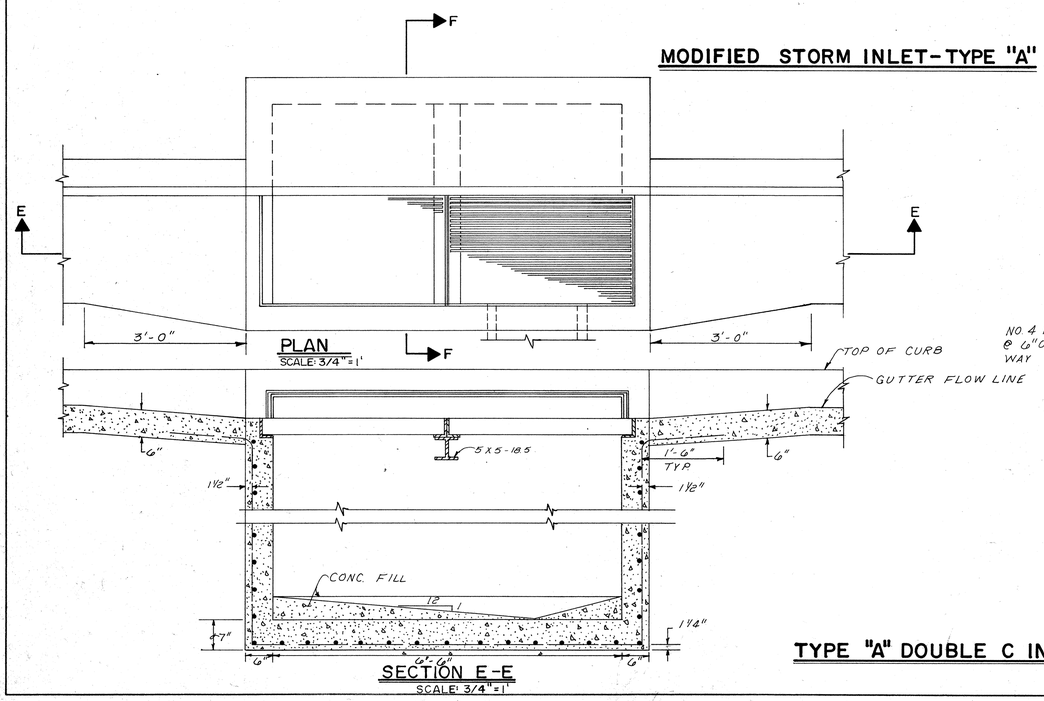
SCALE: 3/4" = 1'




SECTION D-D

SCALE: 3/4" = 1'

## MODIFIED STORM INLET-TYPE "A"

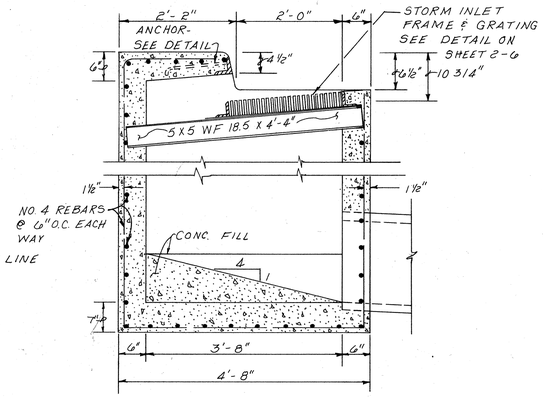



PLAN

SCALE: 3/4" = 1'

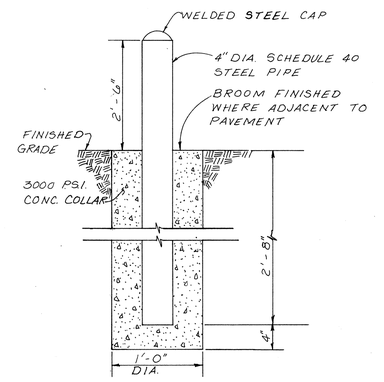
SECTION E-E

SCALE: 3/4" = 1'




SECTION F-F

SCALE: 3/4" = 1'




STATIONARY BOLLARD

NOT TO SCALE

NOTE:

ALL REINFORCING STEEL IN CONCRETE TO HAVE 1 1/2" EMBEDMENT

## TYPE "A" DOUBLE C INLET GRATING

AS BUILT INFORMATION

CONTRACTOR

WORK DISPOSED BY — DATE

INSPECTORS ACCEPTANCE BY — DATE

FIELD VERIFICATION BY — DATE

CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE

NO.

BENCH MARKS

Brass Cap - STA. M.M. 367-8

Located in median of San Mateo Blvd. N.E. 22' North of intersection with Cutler Ave. N.E.

Elev. 5204.26

SURVEY INFORMATION

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEER'S SEAL

GENE D. GARDNER NEW MEXICO 5883 REGISTERED PROFESSIONAL ENGINEER

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | |
| | | DATE 10-22-86 | |
| | | DESIGNED BY R.M. | |
| | | DATE 10-24-86 | |
| | | DRAWN BY BJG | |
| | | DATE | |
| | | CHECKED BY | |

1 2 3 4 5 6 7 8 9 10 11 12

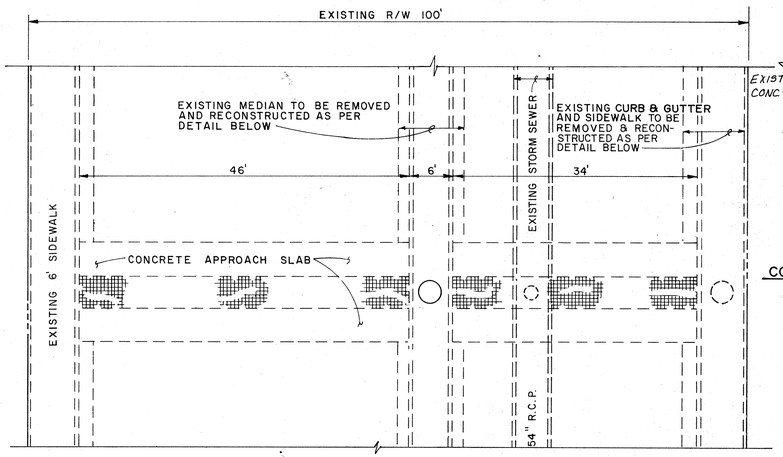
2 6 2 0 5 3 6 9 8 9

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION
STORM INLET DETAILS

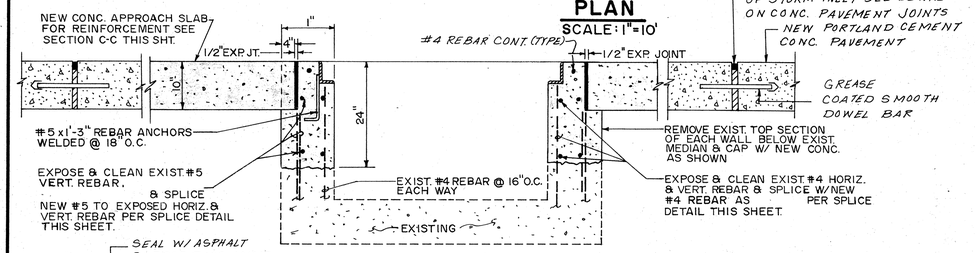
| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 3/14/86 | Liquid Waste | N/A BR | 1-14-86 |
| A.C.E.- Design | | 3/11/86 | Traffic | D.J. Parks | 12-2-85 |
| A.C.E.-Hydrology | | 3/11/86 | Water | N/A BR | 12-2-85 |

DRAWING NO. 2053 | MAP NO. H-17, H-18 | SHEET 2-7 OF 51

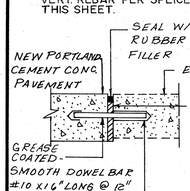



## EXISTING TRANSVERSE STORM INLET STRUCTURE @ STA. 5+87.50 MENAUL BLVD. N.E. TO BE MODIFIED

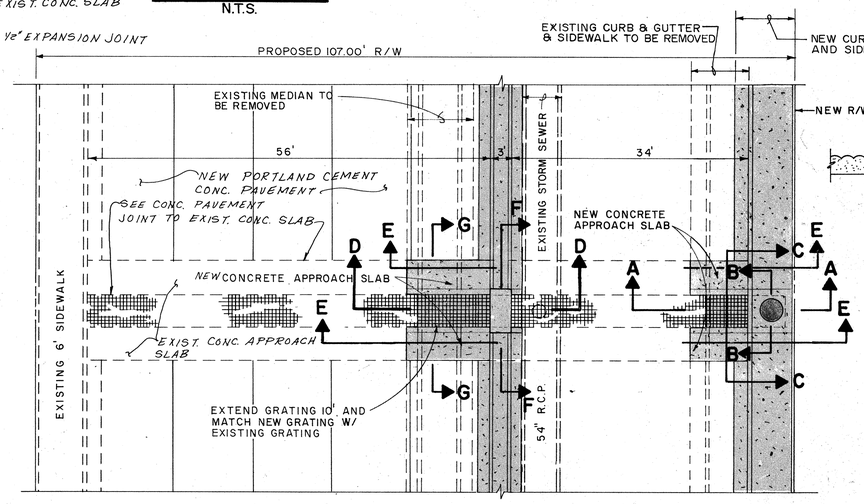
### PLAN
SCALE: 1"=10'




### SECTION G-G
N.T.S.

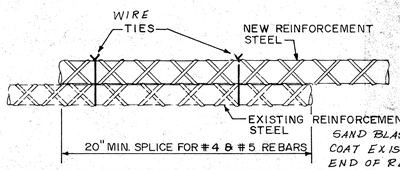



### CONC. PAVEMENT JOINT TO EXIST. CONC. SLAB
SCALE: 3/4"=1'

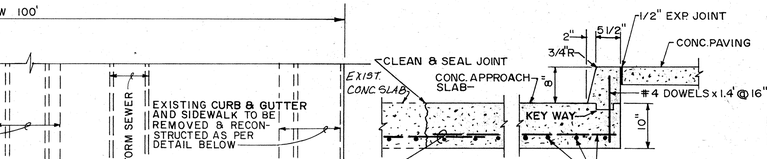



## PROPOSED TRANSVERSE STORM INLET STRUCTURE

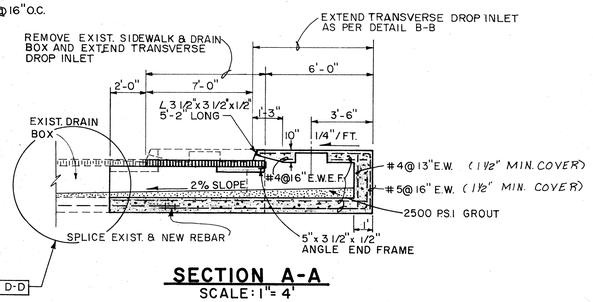
### PLAN
SCALE: 1"=10'



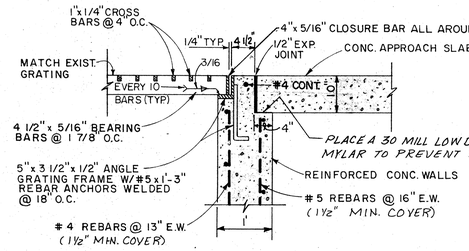

### STEEL REINFORCEMENT SPLICE
N.T.S.




### SECTION E-E
CONCRETE CURB TIE TO APPROACH SLAB
SCALE: 3/4"=1'

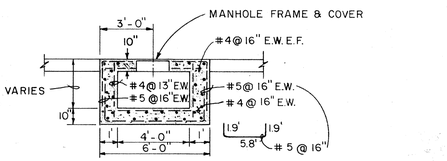



### SECTION A-A
SCALE: 1"= 4'



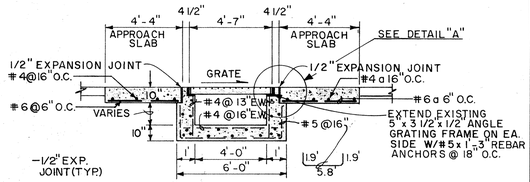

(SEE SECTION C-C)

### DETAIL "A"
N.T.S.



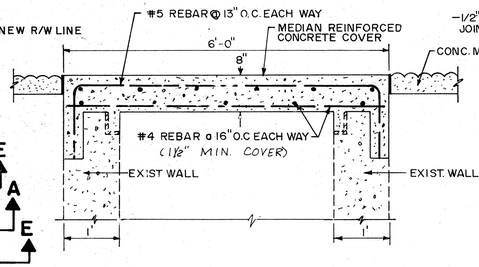

### SECTION B-B
SCALE: 1"= 4'

NOTE: 1 1/2" MIN. COVER ON REINFORCEMENT BARS

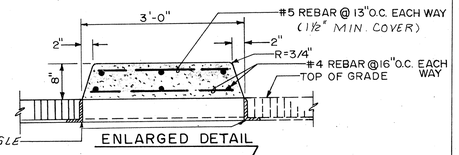



NOTE: 1 1/2" MIN. COVER ON REINFORCEMENT BARS

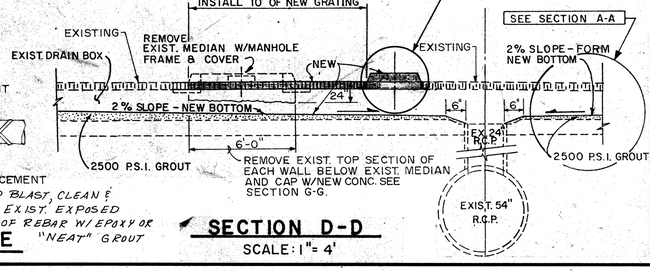
### SECTION C-C
SCALE: 1"= 4'




### SECTION F-F
SCALE: 3/4"= 1'




### ENLARGED DETAIL




### SECTION D-D
SCALE: 1"= 4'

NOTE:
1. AT EXISTING MEDIAN, REMOVE EXISTING CONCRETE CURB AND GUTTER AND CONCRETE SLAB, AND BREAK AWAY THE TOP OF EXISTING WALLS IN EACH SIDE OF DRAIN BOX TO EXPOSE EXISTING REBARS AND RECAP THE WALLS WITH CONCRETE TO FIT AND MATCH THE EXTENSIONS OF DRAIN GRATE FRAMES.
2. ALL REINFORCING STEEL IN CONCRETE TO HAVE 1 1/2" EMBEDMENT

ESTIMATED QUANTITIES FOR TRANSVERSE DROP INLET

| REINF. CONCRETE | REBAR |
|---|---|
| 15 C.Y. | #4 650 LBS. |
| | #5 600 LBS. |
| | #6 220 LBS. |
| STRUCTURAL STEEL | 3500 LBS. |

AS BUILT INFORMATION
CONTRACTOR
WORKED BY DATE
INSPECTORS DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
Brass Cap - STA. N.M. 367-8
Located in median of San Mateo Blvd. N.E. 22' North of intersection with Cutler Ave. N.E.
Elev. 5204.26

SURVEY INFORMATION
FIELD NOTES BY DATE
NO.

ENGINEER'S SEAL

REMARKS / REVISIONS / DESIGN — BY — DATE
C.C. — May 1994
M.E.Y. — July 1994
G.G. — July 1994
NO. DATE
DESIGNED BY
DRAWN BY
CHECKED BY

1 2 3 4 5 6 7 8 9 10 11 12
2 16 2 0 5 3 1 0 0 5

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION TRANSVERSE DROP INLET STRUCTURE STA. 5+87.50 MENAUL BLVD. N.E.

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 7/1/96 | Liquid Waste | N/A B.R. | 10/15/96 |
| A.C.E.- Design | | 3/11/96 | Traffic | D. Di Parks | 11/2/96 |
| A.C.E.- Hydrology | | 3/11/96 | Water | N/A B.R. | 10/15/96 |

DRAWING NO. 2053 | MAP NO. H-17, H-18 | SHEET 2-8 OF 51

GENERAL NOTES:

1. The Contractor shall maintain access to adjacent properties and businesses.

2. During working hours,the Contractor will be required to confine his work within the construction limits and or ROW, to preserve existing vegetation not to be removed, and to preserve private property. During non-working hours, parking of construction equipment shall not obstruct driveway openings onto private property and shall not be parked in right of way.

3. Contractor will not be responsible for moving gas and underground telephone utilities, except for adjusting manholes to finished grades. Any necessary adjustments and relocation of utility poles will be made by others.

4. All ties to existing pavement shall be a neat line saw cut joint. This work shall be considered incidental to construction and no direct payment will be made therefore.

5. Fifty (50) ton roller operation shall not be used on this project. The required compaction shall be affected by means of other types of rollers available.

6. Existing sidewalks and concrete drivepads, asphaltic driveways and paved parking lots shall be saw cut to a neat line where matched to new construction. Curb and gutter to be removed to nearest joint.

7. The City of Albuquerque Traffic Engineer shall remove all existing above ground traffic signal equipment deemed salvageable by the City. Remaining signal items (traffic detectors, concrete bases, conduit, pull boxes, etc.) shall be removed by the Contractor as a part of the removal bid items, if covered, or as incidental construction. All removal of traffic equipment shall be coordinated by the Contractor with the City Traffic Engineer so as not to disrupt the uniform flow of traffic through construction. Temporary traffic signalization shall be handled as specified in the Sequence of Construction Plans and the Traffic Signal Conduit Plans.

8. All radii of curb returns and dimensions are shown to Face of Curb.

9. The Contractor shall designate a person for this project to coordinate construction activities with the adjacent property owners and utility companies. This coordinator must be identified in writing to the Project Manager during pre-construction conference. The Project Manager must also be notified of any changes in the designated coordinator.

10. Two (2) working days prior to any excavation Contractor must contact LINE LOCATING SERVICE, 765-1234, for location of existing utilities.

11. Prior to construction in any phase, the Contractor shall excavate and verify the horizontal and vertical locations of all obstructions. Should a conflict exist, the Contractor shall notify the Project Manager so that the conflict can be resolved with minimum amount of delay.

12. Drivepads designated to be constructed on these drawings shall be constructed as shown or as directed by the Engineer. Any additional drivepads or major modifications to those shown on the plans will require a driveway permit. The property owner shall be responsible for obtaining the driveway permits and costs of constructing any additional drivepads.

13. The new street light bases and conduit shall be installed prior to the removal of the existing street lights. Upon completion of the street light bases and conduit, the Contractor shall notify the electric company so that they may install the new street lights. Coordination between the Contractor and the electric company will be covered during the pre-construction conference.

14. The traffic signal interconnect conduit is to be installed prior to the removal of the existing interconnect conduit as phasing dictates.

15. The Contractor shall plan his daily asphalt pavement surfacing operations on a schedule which will result in a minimum length of exposed longitudinal joints at the end of each day's operations. All transverse joints and all longitudinal joints left exposed to traffic at the end of each day's overlay operation shall be tapered on 6:1 slope.

16. The new pavement shall be installed in lifts such that the new pavement can be opened to traffic during the median construction operations. The initial pavement section shall be brought to the elevation of the existing pavement after cold milling operations. The Contractor shall install an asphalt taper four feet in width to transition from the existing pavement elevation to the new pavement elevation. This taper shall be removed during the cold milling operations. *SEE DETAIL SHEET 2-1.*

17. The cold milling operations, placement of the paving fabric and overlay operations shall be done between the hours of 7:00 PM and 6:00 AM only.

18. *THE SPECIFICATIONS USED IN THIS PROJECT SHALL BE N.M.S.H.D STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION (1984 EDITION). IN ANY CASE OF CONFLICT OR OMISSION, NMSHD STANDARD SPECIFICATIONS SHALL GOVERN. ALL WORK REQUIRED ON THE UTILITIES OWNED BY THE CITY OF ALBUQUERQUE SHALL BE DONE IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985 EDITION.*

19. *48 HOURS PRIOR TO CONSTRUCTION NEAR A SURVEY MONUMENT, NOTIFY PROJECT MANAGER.*

20. The Contractor shall place pavement within 12 hours or prime coat the remaining base after cold milling operations on Menaul Boulevard in order to protect the existing cement treated base as directed by the Project Manager.

21. The Contractor shall be required to perform construction operations in strict accordance with the construction sequence plans, unless otherwise directed and approved by Project Manager.

22. The Contractor shall perform alley construction operations in such a manner as to maintain access to businesses adjacent to alley from 8:00 AM to 5:00 PM, Monday through Friday.

23. The Contractor shall prepare and submit a traffic control schedule to the Project Manager for approval. In addition, the Contractor shall maintain a daily traffic control diary for review by and submittal to the Project Manager.

24. The Contractor shall maintain an up-to-date set of as-built drawings for the project. These drawings shall be current within two weeks at all times and shall be subject to review by the Project Manager during the life of the project. The final as-built drawings shall be submitted to the Project Manager prior to final payment and shall be incidental to construction.

25. When abutting new pavement to existing pavement, the existing pavement shall be cut to a neat straight line to match new surfacing and depth. Pavement cut shall be made at a location suitable for removing broken or cracked pavement. No payment will be made for cutting existing pavement, and shall be considered incidental to construction.

26. Contractor shall be responsible for storing all materials and equipment. No Materials and equipment shall not be stored within 36 feet of the street right-of-way during non-working hours.

27. All construction signing for roadway, detours, open excavation, and other work for the completion of this project shall be in accordance with the Manual of Uniform Traffic Control Devices for Streets and Highways, Latest Edition, and Section 702 N.M. Specifications, 1984 Edition.

28. As a result of implementing the 1984 Edition of the New Mexico State Highway Department's Standard Specification for Road and Bridge Construction, many of the item descriptions have been changed. The old terminology for these items will still appear on the standard drawing serials, and may appear on several places in the plans. These items, although they now have a different description, are one and the same, and all notes and serials making reference to these items shall be adhered to.

29. "The Contractor is advised that he is required to comply with Section 107.01 of the New Mexico State Highway Department Standards and Specifications for Road and Bridge Construction, which states in part, that the Contractor shall keep fully informed of all Federal and State laws, etc., and shall be appraised of Sections 62-14-1 through 62-14-8 of the New Mexico Statutes annotated 1978 dealing with responsibility to obtain locations of buried utilities."

30. *THE CITY TRANS. DEPT. HAS INCLUDED IN THE PLANS, ANY UTILITIES INFORMATION THAT IS OBTAINED FROM DEPARTMENT INVESTIGATIONS AND/OR OTHER SUPPLEMENTAL INFORMATION THAT THE CITY TRANSPORTION* Department obtains from utility companies, and pipeline owners that have been identified will be made available to the Contractor at his request. The Department makes no representation as to the validity or accuracy of the information provided. The Contractor is responible for obtaining a location from utility owners and for making such further investigations as necessary in order to consider such permanent and temporary utility appurtenances, prior to initiating earthwork operations."

31. "The Contractor shall receive no additional compensation for any delays, Inconveniences or damages sustained due to any interference from said utility appurtenances or the operation of moving them, resulting from his negligence as determined by the Project Manager.

32. Concrete sidewalks, drive pads, curb and gutter and concrete median pavement shall be constructed of class A, 3000 psi portland cement concrete.

33. **Location of median storm inlet at station 32+25 on San Mateo Boulevard shall be excavated prior to construction to identify possible conflict with existing gasline. If there is conflict, storm inlet and lateral from manhole at station 31+95 will have to be modified.**

34. **All existing manholes requiring construction shall be upgrade to existing standards as directed by the engineer. Inverts of manholes shall be grouted and finished to provide smooth flow through. Brick manholes will require grouting of sides.**

35. **The design "R" valve for this project is 50.**

36. **After completion of all paving, planning and placing of all permanent paving markings shall be done by the City.**

37 *IN THE EVENT OF REMOVAL AND REPLACEMENT OF DISTRESSED PAVEMENT DUE TO SUBGRADE FAILURE. THE CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN TO THE PROJECT MANAGER (P.M.) WHO SHALL CONTACT THE CITY TRAFFIC ENGINEER FOR APPROVAL PRIOR TO STARTING WORK ON REMOVAL AND REPLACEMENT. REMOVAL AND REPLACEMENT OF PAVEMENT SECTIONS WILL BE DONE AT NIGHT AND TRAFFIC CONTROL GENERAL NOTE #28 ON SHEET G-1 WILL APPLY FOR LANE REQUIREMENTS. COLD MIX PATCHING MAY BE REQUIRED TO RE-OPEN TRAFFIC BETWEEN 6:00 A.M. TO 7:00 P.M. IF REPLACEMENT OF PAVEMENT SECTIONS WITH NEW MATERIALS HAS NOT BE COMPLETED IN ACCORDANCE TO CONSTRUCTION PLANS AND TO N.M.S.H.D. STANDARDS. CONTRACTOR MAY CHOOSE TO PLACE A PROTECTIVE LAYER BETWEEN SUBGRADE OR BASE COURSE AND COLD MIX TO PREVENT CONTAMINATION AND EASE IN REMOVAL OF COLD MIX. COLD MIX PATCHING AND PROTECTIVE LAYER AND REMOVAL OF THESE ITEMS WILL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO PAYMENT WILL BE MADE THEREFORE.*

38. *ALL EXCAVATED MATERIAL THAT IS NOT REQUIRED TO BE REUSED MUST BE REMOVED FROM THE PROJECT AREA WITHIN 48 HOURS OF EXCAVATION. SPOIL PILES WILL BE ALLOWED ONLY AS DIRECTED BY THE PROJECT MANAGER.*

SPECIAL PROVISION

Modifying General Provisions Section 101 through section 110 (4/03/85)
Minimum Wage Rate
Modifying For Apprentices (4/26/82)
Modifying For Submission of Weekly Payrolls on Federal Aid projects (8/17/84)
Modifying Section 102 - Bidding Requirements and Conditions (3/18/86)
Modifying Section 105 - Control of Work (3/13/85)
Modifying Section 105 - Control of Work (3/25/85)
Modifying Section 105 - Control of Work (4/02/85)
Modifying Section 105 - Control of Work (12/11/85)
Measurement and Payment (1/10/86)
Modifying Section 106 - Control of Materials (3/28/84)
Modifying Section 121 - Plastic Pipe (1/10/86)(City)
Modifying Section 129 - Ductile Iron Pipe (1/10/86)(City)
Modifying Section 202 - Removal of Structures and Obstructions (3/26/86)(City)
Modifying Section 408 - Prime Coat (2/26/86)
Modifying Section 451 - Portland Cement Concrete Pavement (2/21/86)(City)
Modifying Section 452 - Sealing and Resealing Concrete Pavement Joints (April 10, 1986)(City)
Modifying Section 501 - Pipe Culverts and Underdrains (1/13/86)(City)
Modifying Section 504 - Steel Reinforcement (1/10/86)
Modifying Section 608 - Sidewalks, Drive Pads, and Concrete Median Pavement (2/21/86)(City)
Modifying Section 609 - Curb & Gutter (2/21/86)(City)
Modifying Section 623 - Drop Inlets (4/23/86)(City)
Modifying Section 702 - Installation of Water Service Lines (1/10/86)(City)
Modifying Section 707 - Signal and Lighting Standards (3/26/86)(City)
Special Provision for Temporary Signal Span - Item 707170 (9/28/84)
Modifying Section 713 - Detectors (1/10/86)(City)
Modifying Section 716 - Luminaires (3/31/86)(City)
Special Provision - Utility Work (3/19/86)(City)
Special Provision - Policy on the Proximity of Water and Sewer Lines (1/10/86)(City)
Special Provision Section 801 - Trench Excavation and Backfill (1/10/86)(City)

SUPPLEMENTAL SPECIFICATIONS

Modifying Section 101 - Abbreviations and Definitions (10/29/84)
Modifying Section 106 - Control of Materials (9/21/84)
Modifying Section 107 - Legal Relations and Responsibility to Public (12/12/85)
Modifying Section 109 - Measurement and Payment (9/13/84)
Modifying Section 301 - Plant Mix Bituminous Treated Base (PMBTB) (6/10/85)
Modifying Section 401 - Plant Mix Bituminous Pavement (PMBP) (1/08/86)
Modifying Section 402 - Bituminous Materials (4/04/85)
Modifying Section 404 - Open Graded Friction Course (1/10/86)
Modifying Section 413 - Paving Fabric (1/10/86)
Modifying Section 503 - Portland Cement Concrete (12/10/85)
Modifying Section 504 - Steel Reinforcement (10/29/84)
Modifying Section 509 - Concrete Structures (3/14/85)
Modifying Section 623 - Drop Inlets (1/17/86)
Modifying Section 702 - Traffic Control Devices for Detours (3/19/85)
Modifying Section 870 - Construction Staking By the Contractor or Miscellaneous Construction Staking By the Contractor (10/18/84)

SURVEY INFORMATION — FIELD NOTES

| NO. | BY | DATE |
|---|---|---|

BENCH MARKS
Brass Cap - STA. N.M. 367-8
Located in median of San Mateo Blvd. N.E. 22' North of intersection with Cutler Ave. N.E.
Elev. 5204.26

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY — DATE
FIELD ACCEPTANCE BY — DATE
FIELD LOCATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

ENGINEER'S SEAL

GILBERT D. BENAVIDEZ — 5884 — REGISTERED PROFESSIONAL ENGINEER — NEW MEXICO

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | DATE 8-26-85 |
| | | | DATE 8-27-85 |
| | | | DATE 8-27-85 |

DESIGNED BY L.M.
DRAWN BY B.J.G.
CHECKED BY G.G.

1 2 3 4 5 6 7 8 9 10 11 12
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CITY OF ALBUQUERQUE

TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION
GENERAL NOTES

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 3/12/86 | Liquid Waste | N/A | 12/2/85 |
| A.C.E.-Design | | 3/11/86 | Traffic | D.A. Cooke | 12/2/85 |
| A.C.E.-Hydrology | | 3/11/86 | Water | B Kyed | 12/2/85 |

DRAWING NO. 2053 | MAP NO. H-17, H-18 | SHEET 2-9 OF 51

# SUMMARY OF QUANTITIES

| ITEM NO. | ITEM | UNIT OF MEASURE | | | PARTICIPATING | | NON-PARTICIPATING | | | | | | TOTAL PROJECT | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | ESTIMATE | FINAL | ESTIMATE | FINAL | | | | | ESTIMATE | FINAL |
| 202001 | REMOVAL OF STRUCTURES AND OBSTRUCTIONS | L.S. | | | L.S. | | | | | | | | L.S. | |
| 202081 | REMOVAL OF EXISTING DETERIORATED ASPHALT PAVEMENT | S.Y. | | | 1200 | | | | | | | | 1200 | |
| 203001 | UNCLASSIFIED EXCAVATION | C.Y. | | | 725 | | | | | | | | 725 | |
| 207001 | SUBGRADE PREPARATION | S.Y. | | | 12,861 | | | | | | | | 12,861 | |
| | | | | | | | | | | | | | | |
| 301001 | PLANT MIX BITUMINOUS TREATED BASE (PMBTB) | TON | | | 1,815 | | | | | | | | 1,815 | |
| 301005 | 85-100 BITUMINOUS MATERIAL | TON | | | 123 | | | | | | | | 123 | |
| 301015 | HYDRATED LIME | TON | | | 18 | | | | | | | | 18 | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 401002 | PLANT MIX BITUMINOUS PAVEMENT-TYPE I GRADATION B | TON | | | 2,843 | | | | | | | | 2,843 | |
| 401005 | 85-100 BITUMINOUS MATERIAL | TON | | | 194 | | | | | | | | 194 | |
| 401010 | HYDRATED LIME | TON | | | 29 | | | | | | | | 29 | |
| 404001 | OPEN-GRADED FRICTION COURSE (OGFC) | TON | | | 447 | | | | | | | | 447 | |
| 404005 | 85-100 BITUMINOUS MATERIAL | TON | | | 24 | | | | | | | | 24 | |
| 404020 | HYDRATED LIME | TON | | | 5 | | | | | | | | 5 | |
| 407012 | ASPHALT FOR TACK COAT | TON | | | 28 | | | | | | | | 28 | |
| | | | | | | | | | | | | | | |
| 408012 | ASPHALT FOR PRIME COAT | TON | | | 5 | | | | | | | | 5 | |
| 411001 | ASPHALT - RUBBER CRACK SEALANT | TON | | | 4 | | | | | | | | 4 | |
| 413010 | PAVING FABRIC | S.Y. | | | 10910 | | | | | | | | 10910 | |
| 414080 | COLD MILLING (BITUMINOUS) | S.Y. IN. | | | 33993 | | | | | | | | 33993 | |
| 414085 | COLD MILLING (CONCRETE) | S.Y. IN. | | | 5148 | | | | | | | | 5148 | |
| 451005 | CONCRETE PAVEMENT - 8" | S.Y. | | | 960 | | | | | | | | 960 | |
| 451010 | CONCRETE PAVEMENT - 9" | S.Y. | | | 5538 | | | | | | | | 5538 | |
| 451051 | CONC. PAVEMENT SLAB REMOVAL & REPLACEMENT - 8" | S.Y. | | | 374 | | | | | | | | 374 | |
| 452020 | SEALING CONC. PAVEMENT JOINTS | L.F. | | | 8500 | | | | | | | | 8500 | |
| 452025 | RESEALING CONCRETE PAVEMENT JOINTS | L.F. | | | 6100 | | | | | | | | 6100 | |
| 501311 | 18" REINFORCED CONCRETE PIPE, CLASS III | L.F. | | | 143 | | | | | | | | 143 | |
| 501325 | 24" REINFORCED CONCRETE PIPE, CLASS III | L.F. | | | 6 | | | | | | | | 6 | |
| 501349 | 48" REINFORCED CONCRETE PIPE, CLASS III | L.F. | | | | | 80 | | | | | | 80 | |
| 608005 | CONCRETE SIDEWALK 4" | S.Y. | | | 1248 | | | | | | | | 1248 | |
| 608020 | DRIVE PADS 6" | S.Y. | | | 517 | | | | | | | | 517 | |
| 608032 | CONCRETE MEDIAN PAVEMENT 4" (RED BRICK PATTERN) | S.Y. | | | 240 | | | | | | | | 240 | |
| 609020 | MEDIAN CURB & GUTTER (CITY) | L.F. | | | 2700 | | | | | | | | 2700 | |
| 609021 | STANDARD CURB & GUTTER (CITY) | L.F. | | | 1293 | | | | | | | | 1293 | |
| 609024 | CONC. DEPRESSED CURB & GUTTER (CITY) | L.F. | | | 654 | | | | | | | | 654 | |
| | | | | | | | | | | | | | | |
| 609072 | CONC. VALLEY GUTTER (CITY) | L.F. | | | 255 | | | | | | | | 255 | |
| 609075 | HEADER CURB | L.F. | | | 375 | | | | | | | | 375 | |
| | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | |
| 623069 | STORM INLET TYPE "A" - DOUBLE "C" GRATE | EA. | | | 2 | | | | | | | | 2 | |
| 623071 | STORM INLET TYPE "A" MODIFIED | EA. | | | 2 | | | | | | | | 2 | |
| 623074 | STORM INLET TYPE "C" DOUBLE GRATE | EA. | | | 1 | | | | | | | | 1 | |
| 623078 | STORM INLET TYPE "D" DOUBLE GRATE | EA. | | | 2 | | | | | | | | 2 | |
| 623081 | EXIST. TRANSVERSE GRATE INLET EXTENSION | L.S. | | | L.S. | | | | | | | | L.S. | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS
Brass Cap - STA N.M. 347-8
Located in median of San Mateo Blvd. N.E. 22' North of intersection with Cutler Ave. NE
Elev. 5204.26

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY | DATE
INSPECTOR'S ACCEPTANCE BY | DATE
FIELD VERIFICATION BY | DATE
DRAWING CORRECTED BY | DATE

MICRO-FILM INFORMATION
RECORDED BY | DATE
NO.

ENGINEER'S SEAL

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | |

DESIGNED BY C.C. DATE Feb. 1985
DRAWN BY M.E.Y. DATE Feb. 1985
CHECKED BY C.C. DATE Feb. 1985

1 2 3 4 5 6 7 8 9 10 11 12
2 6 2 0 5 3 1 2 8 5

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION
SUMMARY OF QUANTITIES

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 3/17/86 | Liquid Waste | N/A BR | 12/5/85 |
| A.C.E.- Design | | 3/11/86 | Traffic | D.O. Parks | 12/26/85 |
| A.C.E.- Hydrology | | 3/11/86 | Water | N/A BR | 12/5/85 |

DRAWING NO. 2053 | MAP NO. H-17, H-18 | SHEET 2-10 OF 51

# SUMMARY OF QUANTITIES

| ITEM NO. | ITEM | UNIT OF MEASURE | | | PARTICIPATING | | NON – PARTICIPATING | | QUANTITIES | | | | TOTAL PROJECT | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | ESTIMATE | FINAL | ESTIMATE | FINAL | | | | | ESTIMATE | FINAL |
| 662095 | MANHOLE TYPE "C-4" DIA. (0' to 6' DEPTH) | EA. | | | 1 | | 0 | | | | | | 1 | |
| 662061 | MANHOLE TYPE "E-6' DIA. (6' to 10' DEPTH) | EA. | | | 0 | | 1 | | | | | | 1 | |
| 662100 | TIE TO EXIST. MANHOLE | EA. | | | 0 | | 1 | | | | | | 1 | |
| 663251 | RELOCATE WATER METER | EA. | | | 4 | | 0 | | | | | | 4 | |
| 663255 | REMOVING & RESETTING EXIST. FIRE HYDRANTS | EA. | | | 3 | | 0 | | | | | | 3 | |
| 663359 | NEW WATER SERVICES | EA. | | | 0 | | 4 | | | | | | 4 | |
| 663380 | LOWERING OR RELOCATING 2" TO 6" WATER LINE | L.F. | | | 75 | | 0 | | | | | | 75 | |
| 664075 | ADJUST WATER VALVE BOX TO GRADES | EA. | | | 12 | | 0 | | | | | | 12 | |
| 664080 | ADJUST SEWER MANHOLE TO GRADE | EA. | | | 14 | | 0 | | | | | | 14 | |
| 664081 | UPGRADING MANHOLES TO EXIST. STANDARDS | EA. | | | 4 | | 0 | | | | | | 4 | |
| 702000 | CONSTRUCTION SIGNING | S.F. | | | 697 | | 0 | | | | | | 697 | |
| 702003 | STEEL POST AND BASE POSTS FOR CONSTR. SIGNING | L.F. | | | 638 | | 0 | | | | | | 638 | |
| 702015 | BARRICADES, TYPE III - 8' | EA. | | | 9 | | 0 | | | | | | 9 | |
| 702045 | PORTABLE SIGN SUPPORT | EA. | | | 9 | | 0 | | | | | | 9 | |
| 702050 | CHANNELIZATION DEVICES (BARRELS) TYPE "B" | EA. | | | 116 | | 0 | | | | | | 116 | |
| 702100 | SEQUENTIAL ARROW DISPLAY | EA. | | | 2 | | 0 | | | | | | 2 | |
| 704010 | REFLECTORIZED PAINTED MARKINGS | L.F. | | | 26,000 | | 0 | | | | | | 26000 | |
| 707009 | 28½ FT. ALUMINUM LIGHT DUTY POLE 6 FT. ARM | EA. | | | 22 | | 0 | | | | | | 22 | |
| 707170 | TEMPORARY SIGNAL SPAN | L.S. | | | L.S. | | 0 | | | | | | L.S. | |
| 708010 | PEDESTAL FOUNDATION, TYPE II | EA. | | | 9 | | 0 | | | | | | 9 | |
| 708020 | MAST ARM FOUNDATION, TYPE II | EA. | | | 4 | | 0 | | | | | | 4 | |
| 708030 | CONTROLLER FOUNDATION, TYPE II | EA. | | | 1 | | 0 | | | | | | 1 | |
| 708032 | SPLICE CABINET FOUNDATION | EA. | | | 3 | | 0 | | | | | | 3 | |
| 708206 | LIGHT STANDARD BASE (LIGHTING) | EA. | | | 20 | | 0 | | | | | | 20 | |
| 708207 | LIGHT BASE TYPE II (LIGHTING) | EA. | | | 2 | | 0 | | | | | | 2 | |
| 709030 | RIGID ELECTRICAL CONDUIT - 2" | L.F. | | | 5307 | | 450 | | | | | | 5307 | |
| 709040 | RIGID ELECTRICAL CONDUIT - 3" | L.F. | | | 690 | | 0 | | | | | | 690 | |
| 710010 | ELECTRICAL PULL BOX | EA. | | | 21 | | 0 | | | | | | 21 | |
| 710012 | LARGE PULL BOX | EA. | | | 7 | | 0 | | | | | | 7 | |
| 713040 | LOOP DETECTOR WIRE | LF. | | | 4825 | | 0 | | | | | | 4825 | |
| 713050 | LOOP LEAD IN WIRE | LF. | | | 200 | | 0 | | | | | | 200 | |
| 713060 | DETECTOR SAW CUT | L.F. | | | 405 | | 0 | | | | | | 405 | |
| 716005 | ROADWAY LUMINAIRES - TYPE 250S | EA. | | | 22 | | 0 | | | | | | 22 | |
| 718010 | REFLECTORIZED COMBINATION ARROW - THRU & RIGHT | EA. | | | 3 | | 0 | | | | | | 3 | |
| 718020 | REFLECTORIZED LEFT ARROW | EA. | | | 8 | | 0 | | | | | | 8 | |
| 718021 | REFLECTORIZED THRU ARROW | EA. | | | 8 | | 0 | | | | | | 8 | |
| 718025 | REFLECTORIZED WORD "ONLY" | EA. | | | 6 | | 0 | | | | | | 6 | |
| 721001 | REMOVAL OF PAVEMENT STRIPING | L.F. | | | 26,000 | | 0 | | | | | | 26,000 | |
| 765002 | INTERCONNECT MANHOLE | EA. | | | 2 | | 0 | | | | | | 2 | |
| 870001 | CONSTRUCTION STAKING BY CONTRACTOR | L.S. | | | L.S. | | 0 | | | | | | L.S. | |

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTED BY — DATE
FIELD DRAWINGS BY — DATE
CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
Brass Cap - STA. N.M. 367-8
located in median of San Mateo Blvd. N/C. 22' North of intersection with Cutler Ave. NE
Elev. 5202.26

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | |
| | | DESIGNED BY C.C. | DATE Feb. 1985 |
| | | DRAWN BY B.G. | DATE Feb. 1985 |
| | | CHECKED BY C.C. | DATE Feb. 1985 |

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26 20531 3855

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION
SUMMARY OF QUANTITIES

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 3/17/86 | Liquid Waste | WIGGR | 12/2/85 |
| A.C.E.- Design | | 3/14/86 | Traffic | D.A. Parker | 12/2/85 |
| A.C.E.- Hydrology | | 3/14/86 | Water | N/A PHE | 12/2/85 |

DRAWING NO. 2053 | MAP NO. H-17, H-18 | SHEET 2-11 OF 51

# SURFACING QUANTITIES

| STREET | LOCATION | STA. TO STA. | LENGTH | WIDTH | TOTAL SQ. YDS. | OPEN – GRADED FRICTION COURSE DEPTH (IN.) | OPEN – GRADED FRICTION COURSE CU. YDS. | OPEN – GRADED FRICTION COURSE TONS | PLANT MIX BITUMINOUS PAVEMENT (PMBP) DEPTH (IN.) | PMBP CU. YDS. | PMBP TONS | PLANT MIX BITUMINOUS TREATED BASE (PMBTB) DEPTH (IN.) | PMBTB CU. YDS. | PMBTB TONS | PAVING FABRIC SQ. YDS. | TACK COAT SQ. YDS. | TACK COAT GALS. | TACK COAT TONS | SUBGRADE PREP. SQ. YDS. | PLANT MIX BITUMINOUS PAVEMENT (LEVELING COURSE) AVG. DEPTH (IN.) | PMB (LEVELING) SQ. YDS. | PMB (LEVELING) CU. YDS. | PMB (LEVELING) TONS | PRIME COAT (A.E.P) SQ. YDS. | PRIME COAT (A.E.P) GALS. | PRIME COAT (A.E.P) TONS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MENAUL | WEST BOUND | -39.63 to 0+63 | 102.63' | VARIES | 364.6 * | 5/8" | 6.33 | 11.87 | 3 1/2" | 35.44 | 70.0 | | | | 371.0 | 743 | 185.8 | 0.76 | | | | | | | | | |
| " | " " | 0+63 to 3+37 | 274.00' | VARIES | 997.6 * | 5/8" | 17.32 | 32.42 | 3 1/2" | 97.0 | 191.56 | | | | 1003.0 | 2004 | 501 | 2.04 | | 6" | 108 | | 213 | | | | |
| " | " " | 3+37 to 4+45 | 108' | 22.67' | 272.0 * | 5/8" | 4.72 | 8.85 | 3 1/2" | 26.44 | 52.22 | | | | 301.0 | 602 | 151 | 0.62 | | | | | | | | | |
| " | " " | 4+45 to 4+55 | 10' | 90' | 100.0 * | 5/8" | 1.736 | 3.25 | 3 1/2" | 9.72 | 19.19 | | | | | 200 | 50 | 0.20 | | | | | | | | | |
| MENAUL | WEST BOUND | 7+70 to 9+25 | 155' | VARIES | 761.11 * | 5/8" | 13.21 | 24.77 | 3 1/2" | 74.00 | 146.14 | | | | 766.0 | 1535 | 384 | 1.60 | | | | | | | | | |
| TRUMAN | NORTH | | | VARIES | 40 * | 5/8" | 0.69 | 1.30 | 3 1/2" | 3.88 | 7.66 | | | | 44 | 89 | 22 | 0.09 | | | | | | | | | |
| MENAUL (P.C.C.) | WEST BOUND | 4+55 to 7+70 | 315 | | 1774 | | | | | | | 4" | 197.11 | 389.30 | | | | | 1774 | | | | | | | | |
| MENAUL | EAST BOUND | -39.63 to 0+63 | 102.63 | VARIES | 470 * | 5/8" | 8.16 | 15.30 | 3 1/2" | 45.70 | 90.25 | | | | 476.0 | 956 | 239 | 0.98 | | | | | | | | | |
| " | " " | 0+63 to 0+73 | 10 | VARIES | 47 * | 5/8" | 0.81 | 1.52 | 3 1/2" | 4.57 | 9.02 | | | | | 94 | 24 | 0.10 | | | | | | | | | |
| " | " " | 3+66 to 3+76 | 10 | 90.80' | 101 * | 5/8" | 1.75 | 3.28 | 3 1/2" | 9.82 | 19.39 | | | | | 202 | 51 | 0.20 | | | | | | | | | |
| " | " " | 3+76 to 4+45 | 69 | VARIES | 380 * | 5/8" | 6.60 | 12.38 | 3 1/8" | 36.94 | 72.96 | | | | 400 | 800 | 200 | 0.82 | | | | | | | | | |
| " | " " | 4+45 to 4+97.59 | 52.59 | VARIES | 160 * | 5/8" | 2.78 | 5.21 | 3 1/2" | 15.56 | 30.73 | | | | 175 | 350 | 87.5 | 0.36 | | | | | | | | | |
| " | " " | 4+97.59 to 7+58.03 | 260.44 | 24.17' | 700 * | 5/8" | 12.15 | 22.78 | 3 1/2" | 68.06 | 134.41 | | | | 696 | 1334 | 334 | 1.39 | | | | | | | | | |
| " | " " | 4+97.57 to 7+04.81 | 207.22 | 7' | 161 | 5/8" | 2.79 | 5.23 | 4" | 17.87 | 35.30 | 4" | 17.88 | 35.31 | | 322 | 81 | 0.33 | 161 | | | | | 161 | 40 | 0.16 |
| " | " " | 7+04.81 to 7+31.81 | 27 | VARIES | 38 | 5/8" | 0.66 | 1.24 | 4" | 4.22 | 8.33 | 4" | 4.22 | 8.33 | | 76 | 19 | 0.08 | 38 | | | | | 38 | 10 | 0.04 |
| " | " " | 7+58.03 to 9+25 | 166.97 | VARIES | 548 * | 5/8" | 9.51 | 17.83 | 3 1/2" | 53.27 | 105.20 | | | | 562 | 1098 | 275 | 1.12 | | 3" | 28 | | 55 | | | | |
| " | " " | 7+67.87 to 9+08.66 | 140.77 | VARIES | 62 | 5/8" | 1.07 | 2.01 | 4" | 6.88 | 13.58 | 4" | 6.88 | 13.58 | | 125 | 31.25 | 0.13 | 62 | | | | | 62 | 16 | 0.06 |
| MADEIRA | SOUTH | 0+96 to 1+59.06 | 63.06 | 36 | 252 * | 5/8" | 4.37 | 8.19 | 3 1/2" | 24.50 | 48.38 | | | | 258 | 506 | 127 | 0.52 | | | | | | | | | |
| MADEIRA | NORTH | | 10' | 40' | 45 | 5/8" | 0.78 | 1.46 | 3 1/2" | 4.38 | 8.64 | | | | | 90 | 23 | 0.09 | | | | | | | | | |
| MENAUL | MEDIAN | 0+00 to 9+25 | 925 | VARIES | 696 * | | | | 4" | 77.32 | 152.70 | 4" | 77.33 | 152.72 | | 1398 | 350 | 1.43 | 696 | | | | | 696 | 174 | 0.72 |
| MENAUL (P.C.C.) | EASTBOUND | 0+73 to 3+66 | 293 | | 1834 | | | | | | | 4" | 203.77 | 402.44 | | | | | 1834 | | | | | | | | |
| SAN MATEO | NORTH BOUND | 26+47 to 30+82 | 436 | VARIES | 2139 ** | 5/8" | 37.13 | 69.62 | 1 1/2" | 89.13 | 176.02 | | | | 2530 | 3130 | 783 | 3.26 | | | | | | | | | |
| SAN MATEO | " " | 26+47 to 30+82 | 435 | VARIES | 584 | 5/8" | 10.14 | 19.01 | 1 1/2" | 24.33 | 48.06 | | | | | 584 | 146 | 0.61 | 584 | | | | | 584 | 146 | 0.61 |
| SAN MATEO | " " | 31+66 to 32+11.32 | 45.32 | VARIES | 167 | 5/8" | 2.90 | 5.44 | 3 1/2" | 16.23 | 32.05 | | | | | 346 | 86.5 | 0.35 | | | | | | | | | |
| SAN MATEO | " " | 32+11.32 to 35+08.99 | 297.67 | VARIES | 904 * | 5/8" | 15.70 | 29.44 | 3 1/2" | 87.88 | 173.55 | | | | 936 | 1862 | 465.5 | 1.9 | | 3" | 46 | | 91 | | | | |
| SAN MATEO | " " | 32+11.32 to 35+08.99 | 297.67 | VARIES | 127 | 5/8" | 2.20 | 4.13 | 4" | 14.11 | 27.86 | 4" | 14.11 | 27.87 | | 254 | 63.5 | 0.26 | 127 | | | | | 127 | 32 | 0.13 |
| SAN MATEO | " " | 35+08.99 to 36+44 | 135.01 | 32.69 | 490 * | 5/8" | 8.50 | 15.94 | 3 1/2" | 47.63 | 94.06 | | | | 496 | 984 | 246 | 1.00 | | | | | | | | | |
| SAN. MATEO | " " | 30+82 to 30+95 | 13 | VARIES | 100 | 5/8" | 1.74 | 3.26 | 4" | 11.11 | 21.94 | 4" | 11.11 | 21.94 | | 200 | 50 | 0.20 | 100 | | | | | 100 | 25 | 0.10 |
| SAN MATEO PLACE | | 1+00 to 1+38.02 | 38.02 | VARIES | 54 | 5/8" | 0.94 | 1.76 | 4" | 6.0 | 11.85 | 4" | 6 | 11.85 | | 108 | 27 | 0.11 | 54 | | | | | 54 | 14 | 0.06 |
| SAN MATEO | SOUTH BOUND | 26+47 to 30+82 | 435 | VARIES | 1293 ** | 5/8" | 22.45 | 42.07 | 1 1/2" | 53.88 | 106.40 | | | | 1500 | 1912 | 478 | 1.9 | | 3" | 44 | | 86 | | | | |
| SAN MATEO | " " | 27+22 to 30+82 | 360 | VARIES | 376 | 5/8" | 6.53 | 12.24 | 1 1/8" | 15.67 | 30.94 | | | | | 376 | 94 | 0.39 | 376 | | | | | 376 | 94 | 0.39 |
| SAN MATEO | " " | 31+66 to 31+76 | 10 | 88.78 | 99 * | 5/8" | 1.72 | 3.23 | 3 1/2" | 9.62 | 19.00 | | | | | 199 | 50 | 0.20 | | | | | | | | | |
| SAN MATEO | " " | 35+15 to 35+25 | 10 | VARIES | 54 * | 5/8" | 0.94 | 1.76 | 3 1/2 | 5.25 | 10.36 | | | | | 104 | 26 | 0.11 | | | | | | | | | |
| SAN MATEO | " " | 35+25 to 36+44 | 119 | VARIES | 128 | 5/8" | 2.22 | 4.16 | 4" | 14.20 | 28.04 | 4" | 14.22 | 28.08 | | 254 | 64 | 0.26 | 128 | | | | | 127 | 32 | 0.13 |
| SAN MATEO | " " | 35+25 to 36+44 | 119 | 29.54 | 391 * | 5/8" | 6.79 | 12.73 | 3 1/2" | 38.01 | 75.06 | | | | 396 | 785 | 196 | 0.80 | | | | | | | | | |
| SAN MATEO | MEDIAN | 31+87 to 34+68 | 281 | 4 | 125 | | | | 4" | 13.89 | 27.43 | 4" | 13.89 | 27.43 | | 250 | 63 | 0.26 | 125 | | | | | 125 | 31 | 0.13 |
| SAN MATEO | SOUTH BOUND | 30+82 to 30+95 | 13 | VARIES | 41 | 5/8" | 0.71 | 1.33 | 4" | 4.56 | 9.00 | 4" | 4.56 | 9.00 | | 42 | 10.5 | 0.04 | 41 | | | | | 41 | 10 | 0.04 |
| SAN MATEO (P.C.C.) | SOUTH BOUND | 31+76 to 35+15 | 339 | | 1930 | | | | | | | 4" | 214.44 | 423.53 | | | | | 1930 | | | | | | | | |
| ALLEY | | 0+58.63 to 3+13.64 | 255.01 | 12' | 340 | | | | 2 1/2" | 23.61 | 46.63 | | | | | 360 | 90 | 0.36 | 340 | | | | | 340 | 85 | 0.35 |
| REMOVAL & REPLACEMENT (ESTIMATE) | ALLOTED FOR DETER | FOR REPLACEMENT ORATED PAVEMENT | | | 1200 | 5/8" | 20.83 | 41.15 | 4" | 133.33 | 263.33 | 4" | 133.33 | 263.33 | 500 | 2400 | 600 | 2.40 | 1200 | | | | | 1200 | 300 | 1.24 |
| TOTALS | | | | | | | | | | | 2397.24 | | | 1814.71 | 11,410 | | | 27.36 | 9576 | | | | 445 | | | 4.16 |
| ROUNDED TOTALS | | | | | | | | | | | 2398 | | | 1815 | 11,410 | | | 28 | 9570 | | | | 445 | | | 5 |
| | | | | | | | | | | | 2843* | | | | | | | | | | | | | | | |

* PMBP (LEVELING)

** INCLUDES PMBP (LEVELING)

*** DOES NOT INCLUDE SUBGRADE FOR SIDEWALK & CURB & GUTTER

| CONCRETE PAVEMENT 9" THICK | | | CONC. PAVEMENT SLAB 8" THICK | |
|---|---|---|---|---|
| | | SQ. YDS. | Removal (Replace. S.Y. | New S.Y. |
| MENAUL (P.C.C.) | WEST BOUND | 4+55 to 7+70 | 1774 | | |
| MENAUL (P.C.C.) | EAST BOUND | 0+73 to 3+66 | 1834 | | |
| SAN MATEO (P.C.C.) | SOUTH BOUND | 31+76 to 35+15 | 1930 | | |
| SAN MATEO (WIDEN) | NORTH BOUND | 26+47 to 30+82 | | | 584 |
| SAN MATEO (REPLACEMENT) Removal; Replacement | NORTH BOUND | 27+77 to 27+92 | | 41 | |
| SAN MATEO (REPLACEMENT) | SOUTH BOUND | 29+82 to 27+87 | | 17 | |
| SAN MATEO Removal; Replacement | MEDIAN | 27+65 to 30+82 | | 316 | |
| SAN MATEO (WIDEN) | SOUTH BOUND | 27+22 to 30+82 | | | 376 |
| TOTALS | | | 5538 | 374 | 960 |
| ROUNDED TOTALS | | | 5538 | 374 | 960 |

NOTE:

1. * DENOTES COLD MILLING (Bituminous)
   ** DENOTES COLD MILLING (Concrete)
2. EMULSIFIED ASPHALT PRIME IS AN ACCEPTABLE ALTERNATE FOR PRIME AND TACK COATS.

## COLD MILLING QUANTITIES

| STREET | STA. TO STA. | TOTAL SQ. YDS. | DEPTH COLD MILLG | TIED TO FACE OF |
|---|---|---|---|---|
| MENAUL (WESTBOUND) | -39.63 TO 0+63 | 364.6 | 3 1/2" | 1' |
| " | 0+63 TO 3+37 | 997.6 | 3 1/2" | 1' |
| " | 3+37 TO 4+45 | 272 | 3 1/2" | 1' |
| " | 4+45 TO 4+55 | 100 | 3 1/2" | 1' |
| " | 7+70 TO 9+25 | 761.11 | 3 1/2" | 1' |
| TRUMAN (NORTH) | | 40 | 3 1/2" | – |
| MENAUL (EASTBOUND) | -39.63 TO 0+63 | 470 | 3 1/2" | 1' |
| " | 0+63 TO 0+73 | 47 | 3 1/2" | 1' |
| " | 3+66 TO 3+76 | 101 | 3 1/2" | 1' |
| " | 3+76 TO 4+45 | 380 | 3 1/2" | 1' |
| " | 4+45 TO 4+97.59 | 160 | 3 1/2" | 1' |
| " | 4+97.59 TO 7+58.03 | 700 | 3 1/2" | 1' |
| " | 7+58.03 TO 9+25 | 548 | 3 1/2" | 1' |
| MADEIRA (SOUTH) | 0+96 TO 1+59.06 | 252 | 3 1/2" | – |
| MENAUL (MEDIAN) | 0+00 TO 9+25 | 696 | 3 1/2" | 1' |
| * SAN MATEO (NORTHBOUND) | 26+47 TO 30+82 | 2139 ** | 1 1/2" | – |
| " | 32+11.32 TO 35+08.99 | 904 | 3 1/2" | – |
| " | 35+08.99 TO 36+44 | 490 | 3 1/2" | – |
| * SAN MATEO (SOUTHBOUND) | 26+47 TO 30+82 | 1293 ** | 1 1/2" | – |
| " | 31+66 TO 31+76 | 99 | 3 1/2" | – |
| " | 35+15 TO 35+25 | 54 | 3 1/2" | – |
| " | 35+25 TO 36+44 | 391 | 3 1/2" | – |

SQ. YDS. X IN. = SQ. YD. IN.

5597.31 X 4 1/2" = 25,187.90 S.Y.-IN.

2230.00 X 3 1/2" = 7,805.00 S.Y.-IN.

32,992.90 S.Y. IN. BITUMINOUS COLD MILLG.

1,000.00 CONTINGENCY FOR THICKNESS DEVIATION

33,993 S.Y. IN. TOTAL (BIT) COLD MILLG.

2,432.00 X 1 1/2" = 5,148.00 S.Y. IN. TOTAL (CONC) COLD MILLG.

1 2 3 4 5 6 7 8 9 10 11 12

2 6 2053 1 48 S

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION
SURFACING QUANTITIES

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | | Liquid Waste | N/A AR | 12/8/86 |
| A.C.E.- Design | | 3/14/86 | Traffic | D.C. Parks | 12/2/86 |
| A.C.E.- Hydrology | | 3/14/86 | Water | N/A AR | 12/8/86 |

DRAWING NO. 2053 | MAP NO. H-17, H-18 | SHEET 2-12 OF 51

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS
Brass Cap – STA 9+00 367.8
Located in median of San Mateo Blvd. NE 22' North of intersection with Cutler Ave. NE
ELEV. 5204.26

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
GILBERT D. GARDNER REGISTERED PROFESSIONAL ENGINEER NEW MEXICO 5953 LAND SURVEYOR

REVISIONS
NO. DATE REMARKS BY
DESIGN DATE 11-4-85
DESIGNED BY R.M.
DRAWN BY B.J.G. DATE 11-7-85
CHECKED BY DATE

## DEPRESSED CURB

| LOCATION | STA. | TO STA. | RT. | LT. | LIN. FT. | DESCRIPTION |
|---|---|---|---|---|---|---|
| SAN MATEO BLVD | 26+47 | | X | | 14.00 | SAN MAT. ST./SAN MAT. PL. -S.W. RETURN |
| SAN MATEO PL. | 1+00 | 1+38.02 | X | | 41.12 | SAN MATEO PL. EAST SIDE |
| SAN MATEO BLVD | 26+64.00 | 30+56.47 | X | | 409.84 | SAN MATEO BLVD. - EAST SIDE |
| SAN MATEO BLVD. | | | X | | 49.40 | SAN MATEO & MENAUL - SE RETURN |
| SAN MATEO BLVD | | | | X | 34.79 | SAN MATEO & MENAUL - NW RETURN |
| SAN MATEO BLVD | | | X | | 50.72 | SAN MATEO & MENAUL - NE RETURN |
| SAN MATEO BLVD. | 32+11.32 | 33+75 | X | | 63.68 | SAN MATEO - EAST SIDE |
| | | | | | | |
| TOTAL | | | | | 653.55 | PORTLAND CEMENT CONC. |
| ROUNDED TOTALS | | | | | (654) | INCLUDING 12" COMPACTED |
| | | | | | | SUBGRADE |

## SCHEDULE FOR EARTHWORK

| LOCATION | EMBANKMENT C.Y. | SHRINKAGE % | TOTAL EMBANKMENT C.Y. | UNCLASSIFIED EXCAVATION C.Y. | | |
|---|---|---|---|---|---|---|
| SAN MATEO | 0 | | 0 | 159 | | |
| | | | | | | |
| MENAUL | 0 | | 0 | 566 | | |
| | | | | | | |
| TOTAL | | | | 725 | | |

## STANDARD CONCRETE CURB & GUTTER

| LOCATION | STA. | TO STA. | RT. | LT. | LIN. FT. | DESCRIPTION |
|---|---|---|---|---|---|---|
| MENAUL BLVD. | 0-39.63 | 3+30.04 | X | | 234.57 | MENAUL BLVD.-SOUTH SIDE |
| MENAUL BLVD. | 2+99.00 | 3+34.93 | | X | 11.93 | MENAUL BLVD.-NORTH SIDE |
| MENAUL BLVD. | 4+97.59 | 7+04.81 | X | | 106.10 | MENAUL BLVD.-SOUTH SIDE |
| MENAUL BLVD. | 7+93.44 | 9+08.66 | X | | 118.36 | MENAUL BLVD.-SOUTH SIDE |
| MENAUL BLVD. | 4+90.48 | 5+10.00 | | X | 19.52 | MENAUL BLVD.-NORTH SIDE |
| MENAUL BLVD. | | | X | | 32.06 | MENAUL & MADEIRA -S.W. RETURN |
| MENAUL BLVD. | | | X | | 30.90 | MENAUL & MADEIRA -S.E. RETURN |
| MADEIRA ST. | 0+96.00 | 1+25.00 | X | X | 17.00 | MADEIRA ST.-WEST & EAST SIDE |
| SAN MATEO BLVD. | 26+47.00 | 30+50.85 | | X | 263.41 | SAN MATEO BLVD.-WEST SIDE |
| SAN MATEO BLVD. | | | | X | 51.32 | SAN MATEO & MENAUL-S.W. RETURN |
| SAN MATEO BLVD. | 26+47.00 | 1+38.02 | X | | 13.99 | SAN MAT. ST./SAN MAT. PL.-S.W. RET. |
| SAN MATEO PL. | 1+00.00 | 1+38.02 | X | | 41.12 | SAN MATEO PL.-EAST SIDE |
| SAN MATEO BLVD. | 26+64.00 | 30+55.47 | X | | 256.81 | SAN MATEO BLVD.-EAST SIDE |
| SAN MATEO BLVD. | | | X | | 37.31 | SAN MATEO & MENAUL-S.E. RETURN |
| SAN MATEO BLVD. | | | | X | 49.58 | SAN MATEO & MENAUL-N.W. RETURN |
| SAN MATEO BLVD. | 32+08.64 | 36+44.00 | | X | 356.92 | SAN MATEO-WEST SIDE |
| SAN MATEO BLVD. | | | X | | 50.72 | SAN MATEO & MENAUL- N.E. RETURN |
| SAN MATEO BLVD. | 32+11.32 | 35+26.55 | X | | 231.60 | SAN MATEO-EAST SIDE |
| SAN MATEO PL. | 1+00 | 1+23 | | X | 23.00 | SAN MATEO PL.-WEST SIDE |
| | | | | | | |
| TOTAL (INCLUDING | | | | | 1946.22 | PORTLAND CEMENT CONC. |
| DEPRESSED | | | | | | INCLUDING 12" COMPACTED |
| CURB & GUTTER) | | | | | | SUBGRADE (784 S.Y.) |
| ROUNDED TOTAL | | | | | (1947) | |
| | | | | | -(654) | SUBTRACT DEPRESSED CURB & GUTTER |
| | | | | | 1293 | STANDARD CONC. CURB & GUTTER. |

## MEDIAN CONCRETE CURB & GUTTER

| LOCATION | STA. | ℄ TO STA. | RT. | LT. | LIN.FT. | DESCRIPTION |
|---|---|---|---|---|---|---|
| MENAUL BLVD. | 0+58.08 | | X | | 3.89 | CURB RETURN |
| MENAUL BLVD. | 0+58.08 | 3+37.00 | | X | 282.30 | |
| MENAUL BLVD. | 0+58.86 | 1+19.24 | X | | 60.96 | |
| | | | | | | |
| MENAUL BLVD. | 1+19.24 | 3+37.00 | | X | 217.95 | |
| MENAUL BLVD. | 3+37.00 | | | X | 4.71 | CURB RETURN |
| MENAUL BLVD. | 4+91.66 | | X | | 4.71 | CURB RETURN |
| MENAUL BLVD. | 4+91.66 | 7+58.03 | X | | 266.37 | |
| MENAUL BLVD. | 7+58.03 | | X | | 4.25 | CURB RETURN |
| MENAUL BLVD. | 7+61.79 | 7+70.56 | X | | 12.27 | |
| MENAUL BLVD. | 7+69.64 | | X | | 3.63 | CURB RETURN |
| MENAUL BLVD. | 4+91.66 | 7+69.64 | X | | 278.72 | |
| MENAUL BLVD. | 7+87.33 | | X | | 4.71 | CURB RETURN |
| MENAUL BLVD. | 7+87.48 | 9+08.66 | X | | 121.37 | |
| MENAUL BLVD. | 7+87.33 | 9+25 | X | | 139.55 | |
| SAN MATEO BLVD. | 27+72.20 | | | X | 20.42 | CURB RETURN |
| SAN MATEO BLVD. | 27+72.20 | 30+54 | | X | 281.44 | |
| SAN MATEO BLVD. | 27+72.20 | 30+54 | | X | 279.37 | |
| SAN MATEO BLVD. | 30+54 | | | X | 4.71 | CURB RETURN |
| SAN MATEO BLVD. | 32+05.08 | | X | | 4.71 | CURB RETURN |
| SAN MATEO BLVD. | 32+06.08 | 35+08.99 | X | | 304.23 | |
| SAN MATEO BLVD. | 32+05.08 | 35+09.18 | X | | 306.23 | |
| SAN MATEO BLVD. | 36+08.99 | | | X | 9.13 | CURB RETURN |
| | | | | | | |
| MENAUL BLVD. | 0+00 | 0+39.41 | | X | 39.41 | PORTLAND CEMENT CONCRETE |
| MENAUL BLVD. | 0+00 | 0+39.69 | | X | 39.83 | INCLUDING 12" COMPACTED SUB- |
| MENAUL BLVD | 0+39.41 | | | X | 4.44 | GRADE @ CURB RETURN |
| TOTAL | | | | | 2679.51 | (450 S.Y.) |
| | | | | | (2700) | (INCLUDES DEPRESSED C&G) |

## CONCRETE SIDEWALK

| LOCATION | STA. | ℄ TO STA. | SQ.FT. | DESCRIPTION |
|---|---|---|---|---|
| MENAUL BLVD. | 0-39.63 | 0-37.00 | 16 | ROADWAY-SOUTH SIDE |
| MENAUL BLVD. | 0-07.00 | 1+12.00 | 714 | ROADWAY-SOUTH SIDE |
| MENAUL BLVD. | 1+42.00 | 1+44.60 | 15 | ROADWAY-SOUTH SIDE |
| MENAUL BLVD. | 1+79.50 | 2+29.00 | 297 | ROADWAY-SOUTH SIDE |
| MENAUL BLVD. | 2+68.00 | 3+30.04 | 366 | MENAUL/SAN MATEO |
| MENAUL BLVD. | | | 273 | MENAUL/SAN MATEO S.W. RETURN |
| MENAUL BLVD. | 5+20.5 | 5+84.50 | 384 | ROADWAY-SOUTH SIDE |
| MENAUL BLVD. | 6+19.50 | 6+27.80 | 50 | ROADWAY-SOUTH SIDE |
| MENAUL BLVD. | 6+51.80 | 6+85.60 | 203 | ROADWAY-SOUTH SIDE |
| MENAUL BLVD. | | | 140 | MENAUL/MADEIRA S.W. RETURN |
| MENAUL BLVD. | | | 135 | MENAUL/MADEIRA S.E. RETURN |
| MENAUL BLVD. | 7+93.44 | 9+08.66 | 710 | ROADWAY-SOUTH SIDE |
| MENAUL BLVD. | 2+99.00 | 3+00 | 6 | ROADWAY-NORTH SIDE |
| MENAUL BLVD. | 3+24.00 | 3+34.93 | 66 | ROADWAY-NORTH SIDE |
| MENAUL BLVD. | | | 264 | MENAUL/SAN MATEO N.W. RETURN |
| MENAUL BLVD. | | | 270 | MENAUL/SAN MATEO N.E. RETURN |
| MENAUL BLVD. | 4+90.48 | 5+10.00 | 117 | ROADWAY-NORTH SIDE |
| SAN MATEO BLVD. | 26+47.00 | 26+72.10 | 145 | ROADWAY-WEST SIDE |
| SAN MATEO BLVD. | 26+92.10 | 27+22.00 | 164 | ROADWAY-WEST SIDE |
| SAN MATEO BLVD. | 27+62.00 | 28+77.00 | 644 | ROADWAY-WEST SIDE |
| SAN MATEO BLVD. | 29+07.00 | 30+11.50 | 627 | ROADWAY-WEST SIDE |
| SAN MATEO BLVD. | 30+46.50 | 30+50.85 | 26 | ROADWAY-WEST SIDE |
| SAN MATEO BLVD. | 32+08.64 | 33+29.00 | 722 | ROADWAY-WEST SIDE |
| SAN MATEO BLVD. | 33+59.00 | 35+45.00 | 1127 | ROADWAY-WEST SIDE |
| SAN MATEO BLVD. | 35+75.00 | 35+99.00 | 144 | ROADWAY-WEST SIDE |
| SAN MATEO BLVD. | 36+19.00 | 36+44.00 | 150 | SAN MATEO BV./SAN MATEO PL. S.E. RETURN |
| SAN MATEO PLACE | | | 27 | SAN MATEO PLACE |
| SAN MATEO BLVD. | 1+00.00 | 1+38.02 | 262 | SAN MATEO BV./SAN MATEO PL. N.E. RETURN |
| SAN MATEO BLVD. | | | 213 | ROADWAY-EAST SIDE |
| SAN MATEO BLVD. | 26+98.50 | 27+08.00 | 57 | ROADWAY-EAST SIDE |
| SAN MATEO BLVD. | 27+32.00 | 27+57.00 | 180 | ROADWAY-EAST SIDE |
| SAN MATEO BLVD. | 27+87.00 | 29+18.00 | 840 | ROADWAY-EAST SIDE |
| SAN MATEO BLVD. | 29+42.00 | 29+46.00 | 24 | ROADWAY-EAST SIDE |
| SAN MATEO BLVD. | 29+86.00 | 30+20.50 | 207 | ROADWAY-EAST SIDE |
| SAN MATEO BLVD | 32+11.32 | 32+74.30 | 379 | ROADWAY-EAST SIDE |
| SAN MATEO BLVD | 32+89.50 | 33+02.50 | 78 | ROADWAY-EAST SIDE |
| SAN MATEO BLVD | 33+37.50 | 34+28.10 | 544 | ROADWAY-EAST SIDE |
| SAN MATEO BLVD | 34+63.10 | 35+26.56 | 381 | ROADWAY-EAST SIDE |
| | | | | |
| MADIERA DR. | 0+96.00 | 1+08.00 | 48 | ROADWAY-EAST SIDE |
| MADIERA DR | 0+96.00 | 0+99.00 | 12 | ROADWAY-WEST SIDE |
| MENAUL | | | 199 | MENAUL/SAN MATEO S.E. RETURN |
| | | | | |
| TOTAL | | | 11226 | |
| | | | (12485 S.Y.) | INCLUDING 6" COMPACTED SUBGRADE |

## CONCRETE MEDIAN PAVEMENT

| LOCATION | STA. | TO STA. | SQ. FT. | DESCRIPTION |
|---|---|---|---|---|
| MENAUL BLVD. | 1+25 | 3+38 | 433 | PORTLAND CEMENT CONCRETE |
| MENAUL BLVD. | 4+90 | 7+15 | 367 | (BAJA RED) 4" THICK BRICK DESIGN |
| MENAUL BLVD. | 7+87 | 8+55 | 136 | |
| SAN MATEO BLVD. | 28+33 | 30+55 | 338 | INCLUDING 6" COMPACTED SUB- |
| SAN MATEO BLVD. | 32+04 | 35+10 | 886 | GRADE |
| | | | | |
| TOTAL | | | 2160 | |
| | | | (240 S.Y.) | |

## CONCRETE DRIVEPADS

| LOCATION | ℄ DR. PAD STA | RT. | LT. | LENGTH | WIDTH | SQ.FT. | DESCRIPTION |
|---|---|---|---|---|---|---|---|
| MENAUL BLVD | 1+27.00 | X | | 30' | 6'-0" | 180 | PORTLAND CEMENT CONCRETE |
| MENAUL BLVD. | 1+62 | X | | 35' | 6'-0" | 210 | 6" THICK INCLUDING |
| MENAUL BLVD. | 2+49 | X | | 40' | 6'-0" | 240 | COMPACTED SUBGRADE |
| MENAUL BLVD. | 3+12 | | X | 24' | 6'-0" | 144 | |
| MENAUL BLVD. | 5+03 | X | | 35' | 6'-0" | 210 | |
| MENAUL BLVD. | 6+02 | X | | 35' | 6'-0" | 210 | |
| MENAUL BLVD. | 6+39.6 | X | | 24' | 6'-0" | 144 | |
| MENAUL BLVD. | 6+97.6 | X | | 24' | 6'-0" | 144 | |
| SAN MATEO BLVD. | 26+82.1 | | X | 20' | 6'-0" | 120 | |
| SAN MATEO BLVD. | 27+42 | | X | 40' | 6'-0" | 240 | |
| SAN MATEO BLVD. | 27+72 | X | | 30' | 6'-0" | 180 | |
| SAN MATEO BLVD. | 28+92 | | X | 30' | 6'-0" | 180 | |
| SAN MATEO BLVD. | 29+30 | X | | 24 | 6'-0" | 144 | |
| SAN MATEO BLVD. | 29+66 | X | | 40' | 6'-0" | 240 | |
| SAN MATEO BLVD. | 30+29 | | X | 35' | 6'-0" | 210 | |
| SAN MATEO BLVD. | 30+38 | X | | 35' | 6'-0" | 210 | |
| SAN MATEO BLVD. | 32+82 | X | | 15' | 6'-0" | 90 | |
| SAN MATEO BLVD. | 33+20 | X | | 35' | 6'-0" | 210 | |
| SAN MATEO BLVD. | 33+44 | | X | 30' | 6'-0" | 180 | |
| SAN MATEO BLVD. | 34+45.6 | X | | 35' | 6'-0" | 210 | |
| SAN MATEO BLVD. | 36+09 | | X | 20' | 6'-0" | 120 | |
| SAN MATEO BLVD | 27+20 | X | | 24' | 6'-0" | 144 | |
| MADEIRA DRIVE | 1+11 | | X | 24' | 4'-0" | 96 | |
| MADEIRA DRIVE | 1+20 | X | | 24' | 4'-0" | 96 | |
| MADIERA DRIVE | 2+08 | | X | 20' | 8'(±) | 144 | |
| SAN MATEO BLVD | 35+60 | | X | 30' | 6'-0" | 180 | |
| MENAUL BLVD | 0-22 | X | | 30' | 6'-0" | 180 | |
| TOTAL | | | | | | 4656 | = (517 YDS²) |

| | | | | | |
|---|---|---|---|---|---|
| VALLEY | | 0+58.63 | 3+13.64 | (255 L.F.) | PORTLAND CEMENT CONCRETE STANDARD VALLEY GUTTER COMPLETE IN PLACE ON 12" SUB-GRADE (57 S.Y.) |
| ALLEY | RT. | 0+58.63 | 3+13.64 | 255.01 L.F. | PORTLAND CEMENT CONCRETE |
| ALLEY | LT. | 1+94 | 3+13.64 | 119.64 L.F. | Header Curb |
| | | | | (375 L.F.) | 8"X 2', COMPLETE IN PLACE, L.F. |

SURVEY INFORMATION — FIELD NOTES

| NO. | BY | DATE |
|---|---|---|

BENCH MARKS — Brass Cap - STA. K.M. 367-8 Located in median of San Mateo Blvd. N.E. 22' North of intersection with Cutler Ave. N.E. Elev. 5204.26

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY — DATE
INSPECTOR'S NOTES TAKEN BY — DATE
FIELD VERIFICATION BY — DATE
DRAWING CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

ENGINEER'S SEAL

REVISIONS

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | | |

DESIGNED BY C.C. DATE July 1984
DRAWN BY M.E.V. DATE July 1984
CHECKED BY G.G. DATE July 1984

1 2 3 4 5 6 7 8 9 10 11 12
26 | 20531 | 585

FOR CONTRACTOR'S INFORMATION ONLY

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION
SURFACING QUANTITIES & MISCELLANEOUS QUANTITIES

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 3/11/86 | Liquid Waste | N/A BR | 12/5/85 |
| A.C.E.- Design | | 3/11/86 | Traffic | D.E. Peters | 12/16/85 |
| A.C.E.- Hydrology | | 3/11/86 | Water | N/A BR | 12/5/85 |

DRAWING NO. 2053 | MAP NO. H-17, H-18 | SHEET 2-13 OF 51

## CONCRETE PULL BOXES FOR TRAFFIC SIGNAL LIGHTS

| LOCATION | STATION | RT. | LT. | DISTANCE | STANDARD | LARGE |
|---|---|---|---|---|---|---|
| MENAUL | 1+97.04 | X | | 49' | 1 | |
| MENAUL | 3+28 | | X | 7.5' | 1 | |
| MENAUL | 3+45 | | X | 52' | | 1 |
| MENAUL | 3+45 | X | | 71' | | 1 |
| MENAUL | 4+66 | | X | 64' | | 1 |
| MENAUL | 4+88 | X | | 57.5' | | 1 |
| MENAUL | 5+00 | X | | 14.5' | 1 | |
| MENAUL | 6+23 | X | | 14.5' | 1 | |
| MENAUL | 3+23 | X | | 49' | 1 | |
| | | | | | | |
| SAN MATEO | 29+17 | X | | 57' | 1 | |
| SAN MATEO | 30+45 | | X | 16.5' | 1 | |
| SAN MATEO | 30+55 | X | | 53' | 1 | |
| SAN MATEO | 30+60 | X | | 55' | 1 | |
| SAN MATEO | 32+13.5 | X | | 5.0' | 1 | |
| SAN MATEO | 33+41.32 | X | | 4.6' | 1 | |
| SAN MATEO | 35+14 | X | | 39' | | 1 |
| SAN MATEO | 35+24 | | X | 53' | | 1 |
| SAN MATEO | 36+42 | | X | 37.34' | 1 | |
| SAN MATEO | 36+43.28 | | X | 29' | | 1 |
| TOTAL | | | | | 12 | 7 |

## CONCRETE PULL BOXES FOR STREET LIGHTS

| LOCATION | STATION | RT | LT. | DISTANCE | STANDARD | LARGE |
|---|---|---|---|---|---|---|
| MENAUL | 0-39 | X | | 49' | 1 | |
| MENAUL | 3+28.50 | X | | 53' | 1 | |
| MENAUL | 5+30 | X | | 55' | 1 | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| SAN MATEO | 26+42 | X | | 42' | 1 | |
| SAN MATEO | 30+58 | | X | 58' | 1 | |
| SAN MATEO | 30+61 | X | | 56' | 1 | |
| SAN MATEO | 31+97 | | X | 57' | 1 | |
| SAN MATEO | 32+03 | X | | 48' | 1 | |
| SAN MATEO | 34+70 | X | | 45' | 1 | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| TOTAL | | | | | 9 | |

## REMOVING AND RESETTING EXISTING FIRE HYDRANTS

| LOCATION | FROM STA. TO STA. (SAN MATEO) | RT. | LT. | EACH |
|---|---|---|---|---|
| MENAUL | 4+75.80 - 30+55.47 | X | | 1 |
| MENAUL | 7+84.39' - 7+86.34' | X | | 1 |
| SAN MATEO | 31+94.32'-32+20.57' | | X | 1 |
| | | | | |
| | | | | |
| | | | | |
| TOTAL | | | | 3 |

## NEW 3/4" WATER METERED SERVICE LINE INST'N.

| LOCATION | STATION | RT. | LT. | EA. |
|---|---|---|---|---|
| MENAUL | 1+23 | | X | 1 |
| MENAUL | 7+60 | X | | 1 |
| | | | | |
| SAN MATEO | 28+30 | | X | 1 |
| | | | | |
| | TOTAL | | | 3 |

NEW 1" WATER METERED SERVICE LINE INSTALLATION

| | | | | |
|---|---|---|---|---|
| SAN MATEO | 32+72 | X | | 1 |

EXIST. WATER METER RELOCATION

| | | | | |
|---|---|---|---|---|
| SAN MATEO | 30+19 | | X | 1 |
| SAN MATEO | 32+56 | | X | 1 |
| SAN MATEO | 35+14 | | X | 1 |
| SAN MATEO | 35+47 | | X | 1 |
| | | | | |
| | TOTAL | | | 4 |

## NEW MANHOLE & ADJUSTING MANHOLES TO GRADE

| LOCATION | STATION | RT. | LT. | DISTANCE | ADJUST EXIST. M.H. COVER TO FINISHED GRADE EACH | NEW M.H EA. |
|---|---|---|---|---|---|---|
| MENAUL | 0+46 | | X | 24' | 1 | |
| MENAUL | 0+75 | X | | 32' | 1 | |
| MENAUL | 1+01 | X | | 32' | 1 | |
| MENAUL | 1+04 | | X | 27' | 1 | |
| MENAUL | 2+68 | | X | 26' | 1 | |
| MENAUL | 3+15 | X | | 20' | 1 | |
| MENAUL | 3+79 | X | | 17' | 1 | |
| MENAUL | 5+53 | X | | 17' | 1 | |
| MENAUL | 7+51.73 | | X | 62.5' | | 1 |
| MENAUL | 7+42 | | X | 38' | 1 | |
| MENAUL | 7+43 | X | | 17' | 1 | |
| SAN MATEO | 26+60.13 | | X | 1' | 1 | |
| SAN MATEO | 29+83 | | X | 33' | 1 | |
| SAN MATEO | 30+30 | | X | 35' | 1 | |
| SAN MATEO | 32+04 | X | | 20' | 1 | |
| SAN MATEO | 32+70 | | X | 10' | 1 | |
| SAN MATEO | 33+12 | X | | 38' | 1 | |
| SAN MATEO | 33+41.5 | | X | 2' | 1 | |
| SAN MATEO | 31+95.50 | | X | 29.5' | | 1 |
| | | | | | | |
| ALLEY | 1+75.66 | | X | 1' | 1 | |
| | | | | | | |
| TOTAL | | | | | 18 | 2 |

## ADJUSTING WATER VALVES TO GRADE

| LOCATION | STATION | RT. | LT. | DISTANCE | EACH |
|---|---|---|---|---|---|
| MENAUL | 4+35.5 | X | | 35' | 2 |
| MENAUL | 4+44 | | X | 20' | 2 |
| MENAUL | 7+32 | | X | 48' | 1 |
| MENAUL | 7+86 | X | | 42' | 1 |
| MENAUL | 0+85 | | X | 50' | 1 |
| SAN MATEO | 29+25 | X | | 36' | 1 |
| | | | | | |
| SUB - TOTAL | | | | | 8 |
| | | | | | |
| GATE VALVES NOT FOUND - TO BE FIELD LOCATED & ADJUSTED | | | | | |
| | | | | | |
| MENAUL | 7+12 | | X | 20' | 1 |
| SAN MATEO | 30+93 | X | | 60' | 1 |
| SAN MATEO | 30+97 | X | | 48' | 1 |
| SAN MATEO | 31+87 | | X | 18' | 1 |
| | | | | | |
| SUB - TOTAL | | | | | 4 |
| | | | | | |
| TOTAL | | | | | 12 |

## FOUNDATIONS FOR STREET LIGHT INSTALLATION

| LOCATION | STATION | RT. | LT. | DISTANCE | TYPE | CONC. (C.Y.) | REBARS (lbs) | BOLTS W/ NUTS & WASHERS |
|---|---|---|---|---|---|---|---|---|
| MENAUL | 0+47 | X | | 52' | I | 0.52 | 47 | 4 |
| MENAUL | 0+33 | | X | 45' | II | 0.82 | 72 | 4 |
| MENAUL | 1+84 | | X | 45' | I | 0.52 | 47 | 4 |
| MENAUL | 1+87 | X | | 55' | I | 0.52 | 47 | 4 |
| MENAUL | 3+28 | | X | 45' | I | 0.52 | 47 | 4 |
| MENAUL | 4+90 | | X | 45' | I | 0.52 | 47 | 4 |
| MENAUL | 6+59 | X | | 56' | I | 0.52 | 47 | 4 |
| MENAUL | 6+36 | | X | 45' | I | 0.52 | 47 | 4 |
| MENAUL | 7+76 | | X | 45' | I | 0.52 | 47 | 4 |
| MENAUL | 7+96 | X | | 54' | I | 0.52 | 47 | 4 |
| MENAUL | 9+24 | X | | 49' | I | 0.52 | 47 | 4 |
| MENAUL | 9+24 | | X | 45' | II | 0.82 | 72 | 4 |
| | | | | | | | | |
| SAN MATEO | 26+42 | X | | 36' | I | 0.52 | 47 | 4 |
| SAN MATEO | 26+62 | | X | 58' | I | 0.52 | 47 | 4 |
| SAN MATEO | 27+86 | X | | 58' | I | 0.52 | 47 | 4 |
| SAN MATEO | 27+92 | | X | 58' | I | 0.52 | 47 | 4 |
| SAN MATEO | 29+19 | | X | 58' | I | 0.52 | 47 | 4 |
| SAN MATEO | 30+49 | | X | 57' | I | 0.52 | 47 | 4 |
| SAN MATEO | 32+07 | | X | 58' | I | 0.52 | 47 | 4 |
| SAN MATEO | 33+69 | | X | 57' | I | 0.52 | 47 | 4 |
| SAN MATEO | 34+65 | X | | 43' | I | 0.52 | 47 | 4 |
| SAN MATEO | 35+02 | | X | 53' | I | 0.52 | 47 | 4 |
| | | | | | | | | |
| | TOTAL | | | | | 12.04 | 10.84 | 88 |
| | TYPE - I | | | | (20) | | | |
| | TYPE - II | | | | (2) | | | |

## FOUNDATIONS FOR TRAFFIC SIGNAL INSTALLATION

| LOCATION | STATION | RT. | LT. | DISTANCE | TYPE | CONC. (C.Y.) | REBARS (lbs) | BOLTS W/ NUTS & WASHERS |
|---|---|---|---|---|---|---|---|---|
| MENAUL | 3+23 | | X | 7.5' | I | 0.45 | 44 | 4 |
| MENAUL | 3+37 | | X | 48' | II | 0.96 | 42 | 4 |
| MENAUL ** | 3+23 | X | | 54.4' | I | 1.80 | 54 | 4 |
| MENAUL | 4+84 | X | | 56' | II | 0.96 | 42 | 4 |
| MENAUL | 5+05 | X | | 14.5' | I | 0.45 | 44 | 4 |
| SAN MATEO | 30+40 | | X | 16.5' | I | 0.45 | 44 | 4 |
| SAN MATEO | 30+53 | | X | 57' | II | 0.96 | 42 | 4 |
| SAN MATEO | 32+10 | X | | 46' | II | 0.96 | 42 | 4 |
| SAN MATEO | 32+18 | X | | 5' | I | 0.45 | 44 | 4 |
| | | | | | | | | |
| SAN MATEO | 30+67 | | X | 65' | I | 0.45 | 44 | 4 |
| SAN MATEO | 30+74 | X | | 65' | I | 0.45 | 44 | 4 |
| SAN MATEO | 31+87 | | X | 67' | I | 0.45 | 44 | 4 |
| SAN MATEO | 31+94 | X | | 56' | I | 0.45 | 44 | 4 |
| SAN MATEO *** | 26+67.00 | X | | 58' | | 0.27 | | |
| SAN MATEO | 26+68.00 | X | | 60' | | 0.32 | 30 | 4 |
| SAN MATEO * | 36+35 | | X | 34' | | 0.27 | | |
| SAN MATEO * | 36+35 | | X | 40' | | 0.32 | 30 | 4 |
| | | | | | | | | |
| | TOTAL | | | | | 10.42 | 634 | 60 |
| | TYPE - I | | | | (9) | | | |
| | TYPE - II | | | | (4) | | | |

** CONTROLLER
* SPLICE CABINET FOUNDATION
*** TRAFFIC SIGNAL MANHOLE
TYPE-I PEDESTAL FOUNDATION
TYPE-II MAST ARM FOUNDATION

## RIGID ELECTRICAL CONDUIT

TRAFFIC LIGHT CONDUIT

| LOCATION | 3" | 2" | | WIRE | |
|---|---|---|---|---|---|
| MENAUL | 564 | 456 | | 2040 | |
| | | | | | |
| SAN MATEO | 126 | 1426 | | 2804 | |
| TOTAL | 690 | 1882 | | 4844 | |

STREET LIGHT CONDUIT

| | | | | | |
|---|---|---|---|---|---|
| MENAUL | | 1275 | | 2550 | |
| | | | | | |
| SAN MATEO | | 1700 | | 3400 | |

FIRE DEPARTMENT CONDUIT

| | | | | | |
|---|---|---|---|---|---|
| SAN MATEO | | 450' | | | |
| | | | | | |
| TOTAL | 690 | 5307 | | 5950 | |

AS BUILT INFORMATION

BENCH MARKS
Brass Cap - STA. M.M. 367.8
Located in median of San Mateo Blvd. N/E. 22' North of intersection with Cutler Ave. N/E.
Elev. 5204.26

CONTRACTOR
WORK STAKED BY
INSPECTOR'S FIELD NOTES BY
FIELD VERIFICATION BY
REMARKS
CORRECTED BY
DATE

MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

REVISIONS
NO. DATE BY REMARKS

DESIGNED BY C.C. DATE July 1984
DRAWN BY M.E.Y. DATE July 1984
CHECKED BY G.G. DATE July 1984

1 2 3 4 5 6 7 8 9 10 11 12
2 6 2 0 5 3 1 6 8 9

FOR CONTRACTOR'S INFORMATION ONLY

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION
MISC. QUANTITIES

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 3/7/86 | Liquid Waste | | 12/2/85 |
| A.C.E.- Design | | 3/11/86 | Traffic | | 12/2/85 |
| A.C.E.- Hydrology | | 3/11/86 | Water | | 12/2/85 |

DRAWING NO. 2053
MAP NO. H-17, H-18
SHEET 2-14 OF 51

# ESTIMATED STRUCTURE QUANTITIES

| STATION | STRUCTURE | UNCLASSIFIED EXCAVATION: INLETS | OUTLETS | TOTAL | EXCAVATION FOR MAJOR STRUCTURES (INCIDENTAL) | 18" R.C.P. CLASS III | 24" R.C.P. CLASS III | 48" R.C.P. CLASS III | * REINFORCING BARS GRADE 40 | * STRUCTURAL STEEL FOR MISC. STRUCTURES AASHTO- M188 | * STRUCTURAL CONCRETE CLASS A | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 501301 | 501311 | 501325 | | | | | | | | | | | | | | | | | |
| | | | | | C.Y. | L.F. | L.F. | L.F. | LBS. | LBS. | C.Y. | | | | | | | | | | | | | | |
| 0+46 | MENAUL, BUILD STORM INLET TYPE "A" DBL "C" 48' RT. OF CONST. ℄ | | | | 9.0 | | | | 595 | 1235 | 3.6 | | | | | | | | | | | | | | |
| 0+46 | MENAUL BUILD 24" R.C.P. CLASS III | | | | 5.0 | | 6' | | | | | | | | | | | | | | | | | | |
| 5 + 67 | MENAUL, TRANSVERSE STORM INLET, 1' TO 11' RT. & 41' RT. OF CONST. ℄ | | | | 15.0 | | | | 1470 | 3500 | 15.0 | | | | | | | | | | | | | | |
| 7 + 82 | MENAUL, BUILD STORM INLET TYPE "D" DBL, 51' RT. OF CONST. ℄ | | | | 2.5 | | | | 230 | 1120 | 1.8 | | | | | | | | | | | | | | |
| 7 + 82 | MENAUL, BUILD 18" R.C.P CLASS III | | | | 13.0 | 50' | | | | | | | | | | | | | | | | | | | |
| 29 +80 | SAN MATEO, BUILD STORM INLET TYPE "C", DOUBLE 52' LT. OF CONST. ℄ | | | | 5.0 | | | | 375 | 1235 | 2.4 | | | | | | | | | | | | | | |
| 29+85 | SAN MATEO, BUILD STORM INLET MODIFIED TYPE "A", 15' LT. OF CONST. ℄ | | | | 5.0 | | | | 495 | 90 | 3.2 | | | | | | | | | | | | | | |
| 30 + 30 | SAN MATEO, BUILD STORM INLET TYPE "D", DBL 52' LT. CONST. ℄ | | | | 4.0 | | | | 330 | 1120 | 2.6 | | | | | | | | | | | | | | |
| 30+ 30 | SAN MATEO, BUILD 18" R.C.P. CLASS III | | | | 5.0 | 12' | | | | | | | | | | | | | | | | | | | |
| 32 + 09.40 | SAN MATEO, BUILD STORM INLET TYPE "A" DBL. "C" 52' LT. OF CONST. ℄ | | | | 6.0 | | | | 460 | 1235 | 2.7 | | | | | | | | | | | | | | |
| 32 + 12 | SAN MATEO, BUILD 18" R.C.P. CLASS III | | | | 10.2 | 24' | | | | | | | | | | | | | | | | | | | |
| 32 + 25 | SAN MATEO, BUILD STORM INLET MODIFIED TYPE "A", 6' RT. OF CONST. ℄ | | | | 6.3 | | | | 535 | 90 | 3.7 | | | | | | | | | | | | | | |
| 32 + 25 | SAN MATEO, BUILD 18" R.C.P. CLASS III | | | | 24.0 | 43' | | | | | | | | | | | | | | | | | | | |
| 29 +80 | SAN MATEO, BUILD 18" R.C.P CLASS III | | | | 6.0 | 14' | | | | | | | | | | | | | | | | | | | |
| 7 + 50 | MENAUL, BUILD 48" R.C.P. CLASS III | | | | 185.0 | | | 80 | | | | | | | | | | | | | | | | | |
| | TOTAL | | | | 301 | 143 | 6 | 80 | 4490 | 9625 | 35.0 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |

*FOR CONTRACTOR'S INFORMATION ONLY

AS BUILT INFORMATION

CONTRACTOR

WORK STAKED BY — DATE

INSPECTOR'S ACCEPTANCE BY — DATE

FIELD VERIFICATION BY — DATE

DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE

NO.

BENCH MARKS

Brass Cap - STA N.M. 367-8
Located in median of San Mateo Blvd. N.E.
22' North of intersection with Cutler Ave., N.E.
Elev. 5204.26

SURVEY INFORMATION

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEER'S SEAL

REVISIONS

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | | |

DESIGN

DESIGNED BY CC — DATE 3-12-85

DRAWN BY BJG — DATE 3-12-85

CHECKED BY CC — DATE 3-12-85

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 6 | | 2 | 0 | 5 | 3 | 1 | 7 | 8 | 5 | |

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION
ESTIMATED STRUCTURE QUANTITIES

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | [signature] | 3/19/86 | Liquid Waste | N/A BR | 12/2/85 |
| A.C.E.- Design | [signature] | 3/11/86 | Traffic | D.O. Parks | 12/2/85 |
| A.C.E.- Hydrology | [signature] | 3/11/86 | Water | N/A BR | 12/2/85 |

DRAWING NO. 2053 | MAP NO. H-17, H-18 | SHEET 2-15 OF 51

# REMOVAL OF STRUCTURES AND OBSTRUCTIONS

| DESCRIPTION STATION | TO STATION | LT. | RT. | SIDEWALKS & DRIVE PADS S.Y. | STANDARD CURB & GUTTER L.F. | VALLEY GUTTER L.F. | MEDIAN CONC. CURB & GUTTER L.F. | MEDIAN ASPHALT CURB L.F. | MEDIAN CONCRETE PAVEMENT S.Y. | ASPHALT, STREETS & PARKING LOTS S.Y. | | | 6" CONCRETE PARKING LOT CURBING L.F. | STORM INLETS EA | STREET LIGHT BASES EA. | TRAFFIC LIGHT BASES EA. | TRAFFIC LIGHT CONTROL PLATES EA. | TRAFFIC CONTROL & BASES EA. | COMMERCIAL SIGN BASES EA. | CONCRETE PADS S.Y. | RETAINING WALLS S.F. | BRICK WALLS S.F. | BOARD FENCES L.F. | PARKING BUMPERS EA. | IRRIGATION SPRINKLER HEADS EA. | RAILROAD TIES EA. | PLANTERS WITH LANDSCAPE S.Y. | TREES & STUMPS EA. | MINOR-LIGHT POLE BASES EA. | GUY WIRE ANCHORS EA. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MENAUL BLVD. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0-39.63 | 3+75 | | ✓ | 281 | 422 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0+00 | 4+16 | ✓ | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0+46 | | | 42' | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 0+80 | | | 50' | | | | | | | | | | | | | | | | | | | 40 | | | | | | | | | | | |
| 0+80 | 3+32 | | ✓ | | | | | | | 130 | | | | | | | | | | | | | | | | | | | | | | | |
| 0+98 | 3+80 | ✓ | | | | | 566 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1+12 | | 9' | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 1+40 | | | 50' | | | | | | | | | | 6 | | | | | | | | | | | | | | | | | | | | |
| 1+45 | | 2' | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| 1+45 | | | 55' | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| 1+41 | 1+46 | | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1+46 | | | 50' | | | | | | | | | | 6 | | | | | | | | 4 | | | 7 | | | | | | | | | |
| 1+85 | 2+34 | | 50' | | | | | | | | | | 102 | | | | | | | | 10 | | | | | | | | | | | | |
| 1+86 | | | 52' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2+61 | 1+93 | 6' | 49' | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | 1 | | 1 |
| 2+73 | 3+00 | | 50' | | | | | | | | | | 56 | | | | | | | | 2 | | | | | | | | | | | | |
| 2+96 | | | 52' | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 2+99 | 3+90 | ✓ | | 65 | 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3+32 | 3+66 | | 50' | | | | | | | | | | 138 | | | | | | | | 24 | | | | | | | | | | 2 | | |
| 3+53 | | 32' | 52' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3+41 | | 53' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3+64 | | 6' | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | 6 | | | | |
| 3+68 | | 6' | 58' | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | |
| 3+76 | | 55' | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 3+81 | | 48' | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | 7 | | | | |
| 4+16 | 9+25 | ✓ | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4+55 | 5+10 | 60' | | 41 | 63 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 4+60 | | 63' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4+60 | 7+30 | | ✓ | 212 | 336 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4+63 | 7+02 | ✓ | ✓ | | | | 480 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4+68 | | | 51' | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 4+68 | | | 59' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4+71 | | | 71' | | | | | | | | | | | | | 1 | | | 1 | | | | | | | | | | | | | | |
| 4+71 | | | 68' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4+74 | 4+87 | | ✓ | | | | | | | | | | 38 | | | | | | | | | | | | | | | | 36 | | | | |
| 4+75 | | | 7' | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| 4+80 | | | 50' | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 4+80 | | | 62' | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 4+90 | 7+18 | | ✓ | | | | | | | 138 | | | | | | | | | | | | | | | | | | | | | | | |
| 5+06 | | | 48' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5+25 | 5+82 | | ✓ | | | | | | | | | | 58 | | | | | 1 | | | | | | | | | | | | 13 | | | | |
| 5+34 | | | 51' | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 5+67 | | | 51' | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| 5+88 | | | 47' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6+20 | | | 50' | | | | | | | | | | ? | | | | | | | | | | | | | | | | 5 | | | | |
| 6+20 | 6+27 | | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6+28 | | | 28' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6+51 | | | 50' | | | | | | | | | | ? | | | | | | | | | | | | | | | | | | | | |
| 6+60 | | | 52' | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | 1 | | |
| 6+62 | | | 52' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6+75 | | 7 | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 6+44 | 6+87 | | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | | | | |
| 6+64 | | | ✓ | | | | | | | | | | ? | | | | | | | | | | | | | | | | | | | | |
| 6+72 | | | ✓ | | | | | | | | | | ? | | | | | | | | | | | | | | | | | | | | |
| 6+79 | | | ✓ | | | | | | | | | | ? | | | | | | | | | | | | | | | | | | | | |
| 6+87 | | | ✓ | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| 6+92 | | 6' | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 7+29 | | | 51' | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | | | |
| 7+29 | @ 52' & 61' RT. | | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7+72 | 9+09 | | ✓ | 90 | 144 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7+75 | 9+09 | | ✓ | | | | | | | 80 | | | | | | | | | | | | | | | | | | | | | | | |
| 7+80 | | | ✓ | | | | | | | | | | 33 | | | | | | | | | | | | | | | | | | | | |
| 7+84 | | | 48' | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 7+88 | 9+25 | ✓ | ✓ | | | | 260 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7+95 | | | 54' | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 7+98 | | | 8' | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 8+02 | | | 7' | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| 8+28 | | 8' | 49' | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 8+90 | | | 50' | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 8+66 | | | ✓ | | | | | | | | | | | | | | | | | | 6 | | | | | | | | 5 | | | | |
| 6+72 | 6+79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MENAUL BLVD. | SUB TOTALS | | | 689 | 1063 | 0 | 1306 | 0 | 0 | 348 | | | 479 | 4 | 8 | 6 | 0 | 4 | 13 | 46 | 40 | 0 | 7 | 0 | 0 | 0 | 89 | 0 | 7 | 2 | | | |
| SAN MATEO PL. | 0+98 1+12 | | | | | | | | | 6 | | | | | | | | | | | | | | | | | | | | | | | |
| 1+00 | 1+95 | | ✓ | | | | | | | 233 | | | | | | | | | | | | | | | | | | | | | | | |
| 1+00 | 2+32 | | ✓ | 88 | 132 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1+22 | 1+60 | ℄ | | | 38 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAN MATEO PL. | SUB TOTALS | | | 88 | 170 | 0 | 0 | 0 | 0 | 239 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| ALLEY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1+03 | 1+18 | ✓ | ✓ | | | | | | | | | | | | | | | | | 25 | | | | | | | | | | | | | |
| 1+47 | | | 6' | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| 3+05 | | | 8' | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | |
| 3+13.64 | | ✓ | ✓ | 6 | 20 | | | | | 16 | | | | | | | | | | | | | | | | | | | | | | | |
| ALLEY | SUB TOTALS | | | 6 | 20 | 0 | 0 | 0 | 0 | 16 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | | | |
| | TOTALS | | | 1985 | 2929 | 73 | 1966 | 575 | 322 | 1270 | | | 931 | 8 | 16 | 8 | 6 | 12 | 17 | 563 | 40 | 0 | 21 | 6 | 21 | 13 | 919 | 6 | 13 | 4 | | | |

NOTE:
1. SPECIFIC REMOVAL ITEMS NOT LISTED IN THE BID PROPOSAL SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.
2. PROJECT MANAGER IS TO APPROVE CONTRACTOR'S DISPOSAL SITE.
3. TRAFFIC LIGHT CONTROL PLATES, IRRIGATION SPRINKLER HEADS AND STORM INLET GRATES ARE THE ONLY SALVAGABLE ITEMS. THESE ITEMS ARE TO BE STOCKPILED AS DIRECTED BY PROJECT MANAGER, SO CITY CAN BE NOTIFIED WHEN TO PICK-UP THE ITEMS.

FOR CONTRACTOR'S INFORMATION ONLY.

1 2 3 4 5 6 7 8 9 10 11 12
26 20 5 31 88 5

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS
Brass Cap - STA. N.M. 362-8
Located in median of San Mateo Blvd. N.E. 22' North of intersection with Cutler Ave. N.E.
Elev. 5204.26

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY | DATE
INSPECTOR'S ACCEPTANCE BY | DATE
FIELD VERIFICATION BY | DATE
DRAWINGS CORRECTED BY | DATE
MICRO-FILM INFORMATION
RECORDED BY | DATE
NO.

ENGINEER'S SEAL

NO. | DATE | REMARKS | BY
REVISIONS
DESIGNED BY C.C. DATE June 1984
DRAWN BY R.L.B. DATE June 1984
CHECKED BY G.G. DATE July 1984

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION
REMOVAL OF STRUCTURES & OBSTRUCTIONS
MENAUL, SAN MATEO PL. & ALLEY

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 3/7/86 | Liquid Waste | w/o AR | 12/2/85 |
| A.C.E.- Design | | 3/4/86 | Traffic | D.A. Parks | 12-6-85 |
| A.C.E.- Hydrology | | 3/4/86 | Water | w/o AR | 12/2/85 |

DRAWING NO. 2053 | MAP NO. H-17, H-18 | SHEET 2-16 OF 51

# REMOVAL OF STRUCTURES AND OBSTRUCTIONS

| DESCRIPTION SAN MATEO STATION | TO STATION | LT. | RT. | SIDEWALKS & DRIVE PADS S.Y. | STANDARD CURB & GUTTER L.F. | VALLEY GUTTER L.F. | MEDIAN CONC. CURB & GUTTER L.F. | MEDIAN ASPHALT CURB L.F. | MEDIAN CONCRETE PAVEMENT S.Y. | ASPHALT, STREETS & PARKING LOTS S.Y. | | | 6" CONCRETE PARKING LOT CURBING L.F. | STORM INLET EA | STREET LIGHT FOUNDATIONS EA. | TRAFFIC LIGHT BASE EA. | TRAFFIC LIGHT CONTROL PLATES EA. | TRAFFIC JUNCTION BOXES BASE EA. | COMMERCIAL SIGN BASES EA. | CONCRETE PADS S.Y. | RETAINING WALLS S.F. | BRICK WALLS S.F. | BOARD FENCES L.F. | PARKING BUMPERS EA. | IRRIGATION SPRINKLER HEADS EA. | RAILROAD TIES EA. | PLANTERS WITH LANDSCAPE S.Y. | TREES EA. | MINOR LIGHT POLE BASE EA. | GUY WIRE ANCHORS EA. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28+66 | | 52' | | | | | | | | | | | | | | | | | | | | | 7 | | | | | | | | |
| 26+47 | 30+80 | ↙ | | 290 | 438 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26+47 | 30+93 | ↙ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26+47 | 30+93 | | ↙ | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26+47 | 26+82 | | ↙ | | 36 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27+64 | 30+85 | ↙ | | | | | 660 | | 322 | | | | | | | | | | | | | | | | | | | | | | |
| 26+82 | 27+55 | | ↙ | | | 73 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27+14 | 30+63 | ↙ | | | | | | | | 215 | | | | | | | | | | | | | | | | | | | | | |
| 27+35 | | | 49' | | | | | | | | | | 7 | | | | | | | | | | | | | | | | | | |
| 27+42 | | | 54' | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| 27+50 | | | 51' | | | | | | | | | | | | | | | | | | | | | | | | | 8 | | | |
| 27+50 | 30+70 | | ↙ | | | | | | | 168 | | | | | | | | | | | | | | | | | | | | | |
| 27+30 | 30+78 | | ↙ | 313 | 335 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27+63 | 28+65 | 51' | | | | | | | | | | | 150 | | | | | | | | | | | | | | | | | | |
| 27+85 | | | ↙ | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | |
| 28+00 | 28+88 | | ↙ | | | | | | | | | | | | | | | | | 82 | | | | | | | | | | | |
| 28+68 | | | 33' | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 28+12 | | | 41' | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 28+13 | | | 47' | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| 28+16 | | 48' | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | |
| 28+69 | | 51' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28+70 | | 48' | | | | | | | | | | | 10 | | | | | | | | | | | | | | | | | | |
| 28+96 | | | 48' | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 29+05 | 30+37 | 50' | | | | | | | | | | | 268 | | | | | | | | | | | | | | | | | | |
| 28+05 | 28+65 | ↙ | | | | | | | | | | | | | | | | | | 35 | | | | | | | | 27 | | | |
| 29+09 | | 48' | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 29+20 | | | 55' | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 29+07 | 30+35 | ← | | | | | | | | | | | | | | | | | | | | | | | | | | 49 | | | |
| 29+33 | | 5' | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 27+35 | 27+50 | ← | | | | | | | | | | | | | | | | | | | | | | | | | | 13 | | | |
| 29+44 | | 41' | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 29+90 | 30+32 | ← | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | | | |
| 29+19 | | 40' | | | | | | | | | | | | 1 | | | | | | | | | | | | | | 27 | | | |
| 30+10 | 30+85 | ← | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 30+25 | | ← | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 29+86 | | ℄ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30+29 | | 46' | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 30+36 | | 50' | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 30+67 | | 44' | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 30+66 | | 52' | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 30+75 | | 71' | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 30+81 | | 71' | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 30+84 | | | 42' | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| 31+77 | 36+44 | ↙ | ↙ | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31+77 | 36+44 | ↙ | | 305 | 510 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31+87 | 34+67 | | ↙ | | | | | 575 | | | | | | | | | | | | | | | | | | | | | | | |
| 31+77 | 35+27 | | ↙ | 244 | 357 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31+94 | | | 4' | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 31+96 | | | 4' | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 31+97 | | 41' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31+98 | | 28' | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | 1 | | |
| 31+85 | 32+56 | ↙ | | | | | | | | | | | | | | | | | | 280 | | | | | | | | | | | |
| 32+44 | | | 4' | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 32+56 | 33+50 | ↙ | | | | | | | | 232 | | | | | | | | | | | | | | | | | | | | | |
| 32+85 | | | ↙ | | | | | | | | | | | | | | | | | | | | 7 | | | | | | | | |
| 32+88 | 33+34 | | ↙ | | | | | | | 31 | | | | | | | | | | | | | | | | | | | | | |
| 32+90 | | 41' | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 32+93 | 33+23 | ↙ | | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | |
| 32+52 | 35+27 | ↙ | | | | | | | | | | | | | | | | | | | | | | | | | | 315 | | | |
| 33+18 | | 33' | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 33+34 | | | 41' | | | | | | | | | | 7 | | | | | | | | | | | | | | | | | | |
| 33+35 | 34+10 | | ↙ | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33+49 | | | 21' | | | | | | | | | | | | | | 2 | | | | | | | | | | | 385 | | | |
| 33+52 | | | 38' | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33+58 | 35+15 | ↙ | | | | | | | | | | | | | | | | | | | | | | 21 | | | | | | | |
| 33+60 | | | 46' | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| 33+96 | | 54' | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 33+98 | | | ↙ | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | |
| 32+08 | | | 36' | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 34+11 | | | 42' | | | | | | | | | | 7 | | | | | | | | | | | | | | | | | | |
| 34+11 | 34+58 | | ↙ | | | | | | | 21 | | | | | | | | | | | | | | | | | | | | | |
| 34+17 | | 42' | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 34+32 | | ↙ | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| 34+56 | | | 42' | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | |
| 34+63 | | | 2' | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 34+63 | 35+28 | 44' | | | | | | | | | | | | | | | | | | 85 | | | | | | | | | | | |
| 34+70 | | | ↙ | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34+72 | 35+12 | | ← | | | | | | | | | | | | | | | | | 5 | | | | | | | | 5 | | | |
| 34+86 | | 33' | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 35+06 | | 55' | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 35+15 | 35+27 | ↙ | | | | | | | | | | | | | | | | | | | | | | | | 5 | | | | | |
| 35+31 | | ↙ | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | |
| 35+67 | | 43' | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| SAN MATEO BLVD. | SUB TOTALS | | | 1152 | 1676 | 73 | 660 | 575 | 322 | 667 | | | 452 | 4 | 8 | 2 | 6 | 8 | 4 | 491 | 0 | 0 | 14 | 6 | 21 | 13 | 830 | 4 | 6 | 2 | |

FOR CONTRACTOR'S INFORMATION ONLY.

1 2 3 4 5 6 7 8 9 10 11 12
2 6 2 0 5 3 1 9 8 5

ENGINEER'S SEAL

AS BUILT INFORMATION
CONTRACTOR
STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
Brass Cap - STA N.M. 367-8
Located in median of San Mateo Blvd. N.E. 22' North of intersection with Cutler Ave. N.E. Elev. 5202.26

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

REVISIONS
NO. | DATE | BY | REMARKS
DESIGNED BY C.C. DATE June 1984
DRAWN BY K.L.B. DATE June 1984
CHECKED BY G.G. DATE July 1984

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION
REMOVAL OF STRUCTURES & OBSTRUCTIONS
SAN MATEO BLVD.

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 3/11/86 | Liquid Waste | N/A BR | 11/2/84 |
| A.C.E.- Design | | 3/4/86 | Traffic | D.G. Davis | 12/12/85 |
| A.C.E.- Hydrology | | 3/4/86 | Water | N/A BR | 11/2/84 |

DRAWING NO. 2053 | MAP NO. 24-17, H-18 | SHEET 2-17 OF 51

MATERIAL FOR THE PRODUCTION OF SURFACING AGGREGATE FOR THIS PROJECT MAY BE OBTAINED FROM ANY SOURCE AFTER SUCH MATERIAL HAS BEEN APPROVED ON THE BASIS OF TESTS PERFORMED IN THE CENTRAL LABORATORY. THIS MUST BE DONE BEFORE ANY MATERIAL IS PRODUCED FOR THIS PROJECT.

HYDRATED LIME COMMERCIAL GRADE IS TO BE ADDED TO MEET DESIGN REQUIREMENTS FOR PLANT MIX BITUM. PAVEMENT. THIS IS TO BE ADDED IN ACCORDANCE AND ON THE BASIS OF TESTS PERFORMED BY THE CENTRAL LAB AT THE TIME OF CONSTRUCTION, IS TO BE ADDED BY A CONTROLLED PROCESS IN ACCORDANCE WITH SPECIFICATIONS.

HYDRATED LIME WILL BE REQUIRED TO MEET DESIGN REQUIREMENTS FOR OPEN-GRADED FRICTION COURSE. THIS IS TO BE ADDED BY A CONTROLLED PROCESS IN ACCORDANCE WITH SPECIFICATIONS.

NATURAL FINES PASSING THE NO. 4 SCREEN ARE TO BE PRE-SCREENED DURING PMBP PRODUCTION AND PLACED IN A SEPARATE STOCK PILE. CRUSHED COURSE AND FINE AGGREGATES PRODUCED FOR PMBP ARE ALSO TO BE STOCKPILED SEPARATELY.

THE LIQUID LIMIT AND SAND EQUIVALENT OF THE ASPHALT CONCRETE AGGREGATE WILL BE DETERMINED FROM REPRESENTATIVE SAMPLES TAKEN AFTER THE AGGREGATE MATERIALS HAVE BEEN BLENDED AND PRIOR TO MIXING WITH BITUMINOUS MATERIALS.

A PIT MAY BE DESIGNATED FOR USE ON THIS PROJECT FOR THE PRODUCTION OF THE SPECIFIED MATERIALS. THE CONTRACTOR IS NOT BOUND TO THIS PIT AND MAY, IF DESIRED, EXPLORE OTHER SOURCE(S) WHICH WILL PRODUCE SPECIFICATION AGGREGATE WHEN APPROVED BY THE MATERIALS LABORATORY BUREAU DISTRICT ENGINEER, ENVIRONMENTAL SECTION, ETC. THE CONTRACTOR MAY USE THE NEW SOURCE(S) IN LIEU OF THIS PIT. ALL MATERIALS PIT ACTIONS SHALL BE GOVERNED BY THIS NOTE AND BY SECTION 106 OF THE STANDARD SPECIFICATIONS.

## REQUIREMENTS FOR TREATED & UNTREATED SURFACING

ADDITIVES REQUIRED HYDRATED LIME FOR OPEN GRADED FRICTION COURSE

ESTIMATE FOR TACK COAT: USE 0.15 - 0.25 GALS. See Sec. 407 PER SQ. YARD

ESTIMATE FOR PRIME COAT: USE 0.15 - 0.25 GALS: See Sec 408 PER SQ. YARD

% ASPHALT RECOMM.

| | | | |
|---|---|---|---|
| PLANT MIX. BITUM. PAVEMENT | 6.5 % | 85-100 | BY WGT. OF TOTAL MIX. |
| OPEN GRADED FRICTION CRSE | % | | BY WGT. OF TOTAL MIX. |
| P.M. BITUM. TREAT. BASE TYPE I | % | | BY WGT. OF TOTAL MIX. |
| GRADATION B | 6.8 % | 85-100 | BY WGT. OF TOTAL MIX. |

CEMENT TREAT. _____ CLASS _____ EST. USING _____ % TYPE _____ CEMENT BY WEIGHT

SURFACE TREATMENT, _____

1ST COURSE _____ GALS. _____ SQ. YD. _____ LBS. AGGREGATE PER SQ. YARD

2ND COURSE _____ GALS. _____ SQ. YD. _____ LBS. AGGREGATE PER SQ. YARD

## SPECIFICATIONS FOR SURFACING AGGREGATES (% PASSING)

| SIEVE SIZE | | | PLANT MIX. BITUM. TREATED BASE TYPE II-B | PLANT MIX. BITUM. PAVEMENT TYPE I-B | OPEN GRADED FRICTION COURSE |
|---|---|---|---|---|---|
| 1 1/2" | | | | | |
| 1" | | | 100 | | |
| 3/4" | | | 85-100 | 100 | |
| 1/2" | | | | 80-100 | 100 |
| 3/8" | | | | 70-90 | 90-100 |
| NO 4 | | | 40-70 | 50-65 | 26-55 |
| NO 10 | | | 30-55 | 32-45 | 0-10 |
| NO 40 | | | | 10-22 | 0-8 |
| NO 80 | | | | | |
| NO 200 | | | 4-12 | 3-8 | 0-4 |
| L.L. | | | SANDY | SANDY | |
| P.I. | | | N.P | NP | |
| WEAR | | | 40 or less | 40 or less | 40 or less |
| SOUND. LOSS % | | | 15 or less | 15 or less | 8 or less |
| FRACT. FACES % | | | 50% or More | 75 or more | 75 or more |

| | | |
|---|---|---|
| UNIT WEIGHT OF UNTREATED SURFACING | = | LBS. PER CU. YARD |
| UNIT WEIGHT OF PLANT MIX BITUM. PAVEMENT | = 3750 | LBS. PER CU. YARD |
| UNIT WEIGHT OF PLANT MIX BITUM. TREAT. BASE | = 3950 | LBS. PER CU. YARD |
| UNIT WEIGHT OF | = | LBS. PER CU. YARD |
| UNIT WEIGHT OF OPEN GRADED FRICTION COURSE | = 3750 | LBS. PER CU. YARD |

NOTE:
UNIT WEIGHTS ARE FOR CALCULATION & ESTIMATE PURPOSES ONLY. ACTUAL UNIT WEIGHT WILL BE DETERMINED BY MIX DESIGN.

SURVEY INFORMATION — FIELD NOTES — NO. — BY — DATE

BENCH MARKS
Brass Cap - STA N.M. 367-8
Located in median of San Mateo Blvd. N/E
22' North of intersection with Cutler Ave. N.E.
Elev. 5204.26

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTION & ACCEPTANCE BY — DATE
FIELD LOCATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

ENGINEER'S SEAL
NEW MEXICO REGISTERED PROFESSIONAL ENGINEER GIL BLEAK 5953 LAND SURVEYOR

| NO. | DATE | REMARKS |
|---|---|---|
| | | REVISIONS |
| | | DESIGN |

DESIGNED BY — DATE —
DRAWN BY M.E.Y. DATE July 1984
CHECKED BY G.G. DATE July 1984

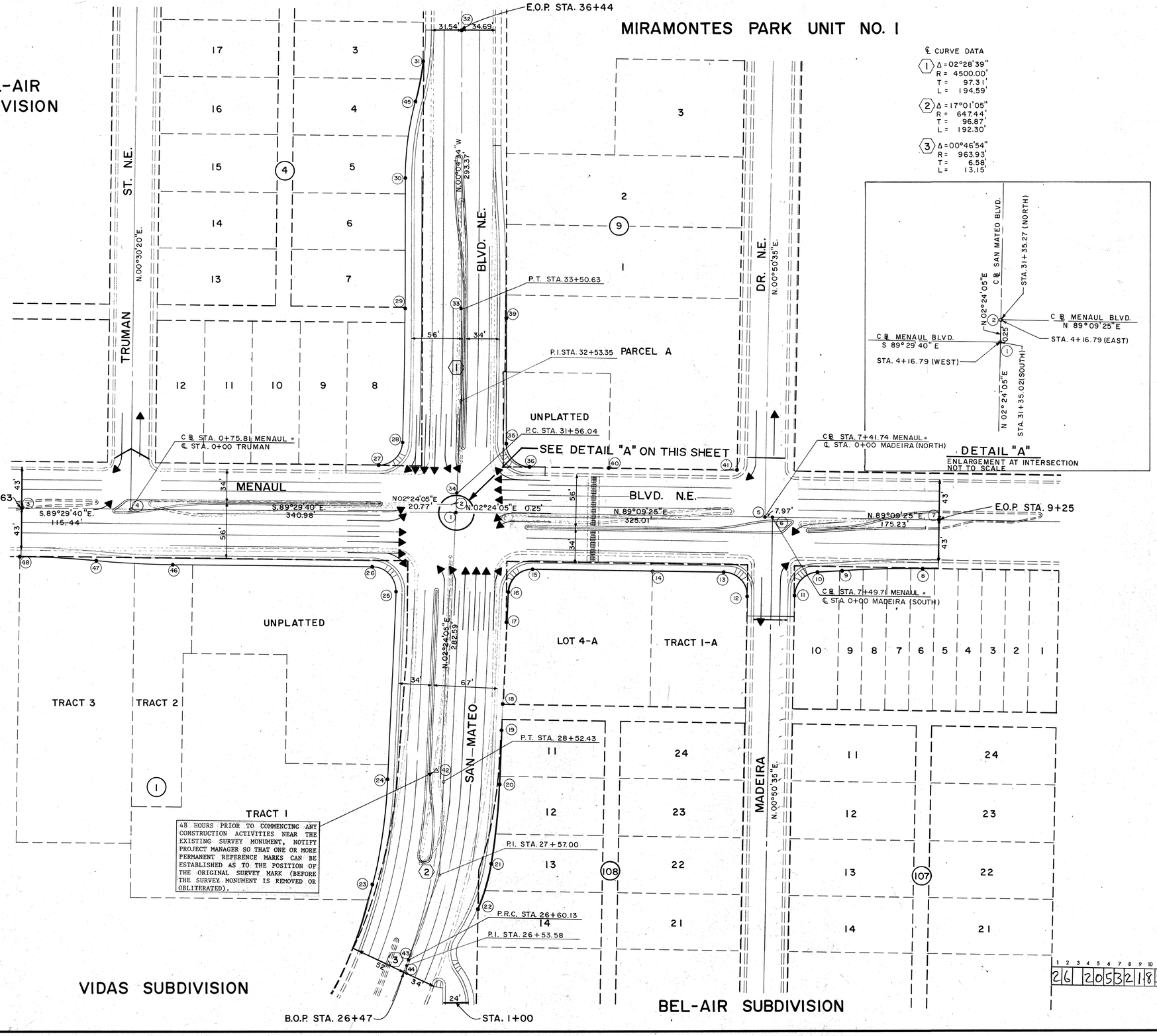
1 2 3 4 5 6 7 8 9 10 11 12
2 6 2 0 5 3 2 0 8 5

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION
SURFACING PIT SHEET

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 3/11/86 | Liquid Waste | N/A | |
| A.C.E. - Design | | 3/11/86 | Traffic | D.O. Parks | 3/14/86 |
| A.C.E. - Hydrology | | 3/11/86 | Water | N/A | 3/14/86 |

DRAWING NO. 2053 — MAP NO. H-17, H-18 — SHEET 2-18 OF 51




SAN MATEO AND MENAUL INTERSECTION
COORDINATE LISTING

| POINT NO. | NORTH COORDINATE | EAST COORDINATE |
|---|---|---|
| 1 | 1,495,636.177 | 399,712.625 |
| 2 | 1,495,636.422 | 399,712.635 |
| 3 | 1,495,640.203 | 399,256.228 |
| 4 | 1,495,639.185 | 399,371.662 |
| 5 | 1,495,631.640 | 400,037.605 |
| 6 | 1,495,631.523 | 400,045.576 |
| 7 | 1,495,628.944 | 400,220.792 |
| 8 | 1,495,579.198 | 400,203.718 |
| 9 | 1,495,576.838 | 400,119.153 |
| 10 | 1,495,575.345 | 400,093.268 |
| 11 | 1,495,550.738 | 400,069.390 |
| 12 | 1,495,549.907 | 400,019.372 |
| 13 | 1,495,575.272 | 399,994.743 |
| 14 | 1,495,576.376 | 399,919.751 |
| 15 | 1,495,578.247 | 399,792.588 |
| 16 | 1,495,554.297 | 399,767.242 |
| 17 | 1,495,506.123 | 399,765.222 |
| 18 | 1,495,435.678 | 399,762.267 |
| 19 | 1,495,404.397 | 399,760.955 |
| 20 | 1,495,351.407 | 399,758.733 |
| 21 | 1,495,268.660 | 399,750.356 |
| 22 | 1,495,222.742 | 399,737.352 |
| 23 | 1,495,246.147 | 399,626.700 |
| 24 | 1,495,356.310 | 399,641.836 |
| 25 | 1,495,554.437 | 399,650.145 |
| 26 | 1,495,580.484 | 399,625.388 |
| 27 | 1,495,686.923 | 399,631.209 |
| 28 | 1,495,711.165 | 399,656.418 |
| 29 | 1,495,851.638 | 399,658.454 |
| 30 | 1,495,989.407 | 399,658.270 |
| 31 | 1,496,110.661 | 399,676.578 |
| 32 | 1,496,145.086 | 399,717.064 |
| 33 | 1,495,851.716 | 399,717.454 |
| 34 | 1,495,657.179 | 399,713.506 |
| 35 | 1,495,711.148 | 399,762.465 |
| 36 | 1,495,685.411 | 399,787.087 |
| 39 | 1,495,851.779 | 399,764.454 |
| 40 | 1,495,684.142 | 399,873.300 |
| 41 | 1,495,682.060 | 400,008.322 |
| 42 | 1,495,353.838 | 399,700.784 |
| 43 | 1,495,165.703 | 399,664.520 |
| 44 | 1,495,153.349 | 399,660.069 |
| 45 | 1,496,068.915 | 399,668.635 |
| 46 | 1,495,582.329 | 399,416.244 |
| 47 | 1,495,586.253 | 399,336.126 |
| 48 | 1,495,590.177 | 399,256.007 |

NOTE: PROJECT CO-ORDINATES ARE BASED ON NEW MEXICO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE. GROUND DISTANCES.

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTOR'S ACCEPTANCE BY
VERIFICATION BY
CORRECTED BY
DATE

BENCH MARKS
Brass Cap - STA N.M. 367-B
Located in median of San Mateo @ Nel. N.E. 22' North of intersection with Carter Ave. N.E.
Elev. 5204.26
N.M. State Plane Coordinates
X = 399,268.75
Y = 1,494,383.15

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

ENGINEER'S SEAL
CLIFFORD GARLAND MORRISON, JR. 9634 NEW MEXICO REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR

REVISIONS
NO. DATE REMARKS BY

DESIGNED BY G.G. DATE July 1984
DRAWN BY R.B. DATE July 1984
CHECKED BY G.G.

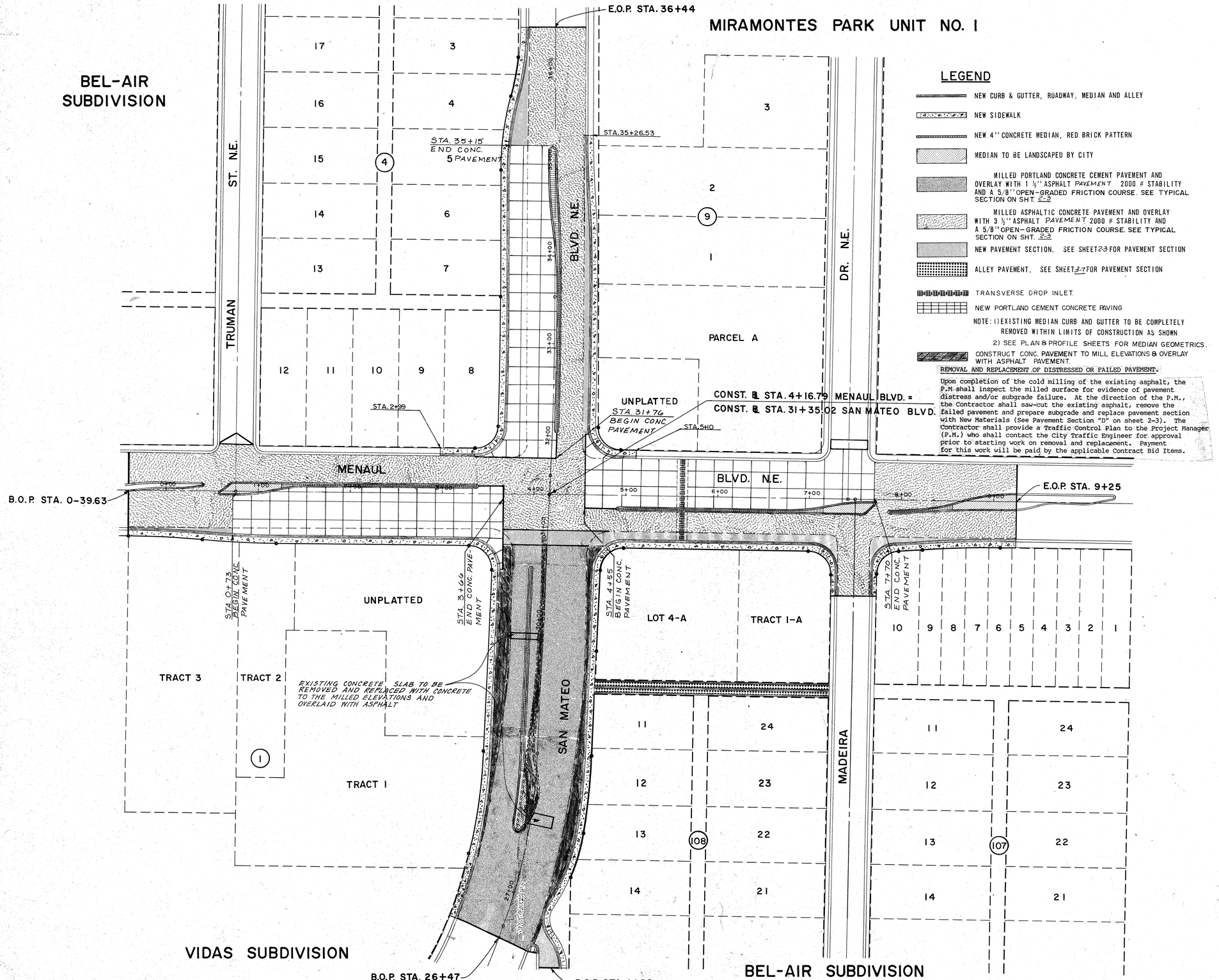
CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION
GEOMETRICS PLAN

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 3/7/86 | Liquid Waste | n/a AR | 12/18/85 |
| A.C.E.- Design | | 3/11/86 | Traffic | D.O. Parks | 12/6/85 |
| A.C.E.- Hydrology | | 3/11/86 | Water | n/a AR | 12/18/85 |

1 2 3 4 5 6 7 8 9 10 11 12
216 205 32 118 5

DRAWING NO. 2053
MAP NO. H-17, H-18
SHEET 3-1 OF 51




## LEGEND

- NEW CURB & GUTTER, ROADWAY, MEDIAN AND ALLEY
- NEW SIDEWALK
- NEW 4" CONCRETE MEDIAN, RED BRICK PATTERN
- MEDIAN TO BE LANDSCAPED BY CITY
- MILLED PORTLAND CONCRETE CEMENT PAVEMENT AND OVERLAY WITH 1 ½" ASPHALT PAVEMENT 2000 # STABILITY AND A 5/8" OPEN-GRADED FRICTION COURSE. SEE TYPICAL SECTION ON SHT. 2-3
- MILLED ASPHALTIC CONCRETE PAVEMENT AND OVERLAY WITH 3 ½" ASPHALT PAVEMENT 2000 # STABILITY AND A 5/8" OPEN-GRADED FRICTION COURSE. SEE TYPICAL SECTION ON SHT. 2-3
- NEW PAVEMENT SECTION. SEE SHEET 2-3 FOR PAVEMENT SECTION
- ALLEY PAVEMENT. SEE SHEET 3-7 FOR PAVEMENT SECTION
- TRANSVERSE DROP INLET
- NEW PORTLAND CEMENT CONCRETE PAVING

NOTE: 1) EXISTING MEDIAN CURB AND GUTTER TO BE COMPLETELY REMOVED WITHIN LIMITS OF CONSTRUCTION AS SHOWN

2) SEE PLAN & PROFILE SHEETS FOR MEDIAN GEOMETRICS.

- CONSTRUCT CONC. PAVEMENT TO MILL ELEVATIONS & OVERLAY WITH ASPHALT PAVEMENT.

**REMOVAL AND REPLACEMENT OF DISTRESSED OR FAILED PAVEMENT.**

Upon completion of the cold milling of the existing asphalt, the P.M. shall inspect the milled surface for evidence of pavement distress and/or subgrade failure. At the direction of the P.M., the Contractor shall saw-cut the existing asphalt, remove the failed pavement and prepare subgrade and replace pavement section with New Materials (See Pavement Section "D" on sheet 2-3). The Contractor shall provide a Traffic Control Plan to the Project Manager (P.M.) who shall contact the City Traffic Engineer for approval prior to starting work on removal and replacement. Payment for this work will be paid by the applicable Contract Bid Items.

SCALE: 1"=50'

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS
Brass Cap - STA. N.M. 362-8
Located in median of San Mateo Blvd. N.E.
22 North of intersection with Cutler Ave. N.E.
Elev. 5204.26

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY | DATE
INSPECTORS | DATE
ACCEPTANCE BY | DATE
FIELD VERIFICATION BY | DATE
DRAWINGS CORRECTED BY | DATE

MICRO-FILM INFORMATION
RECORDED BY | DATE
NO.

ENGINEER'S SEAL

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | |

DESIGNED BY C.C. DATE May 1986
DRAWN BY B.J.G. DATE July 1986
CHECKED BY G.G. DATE July 1986

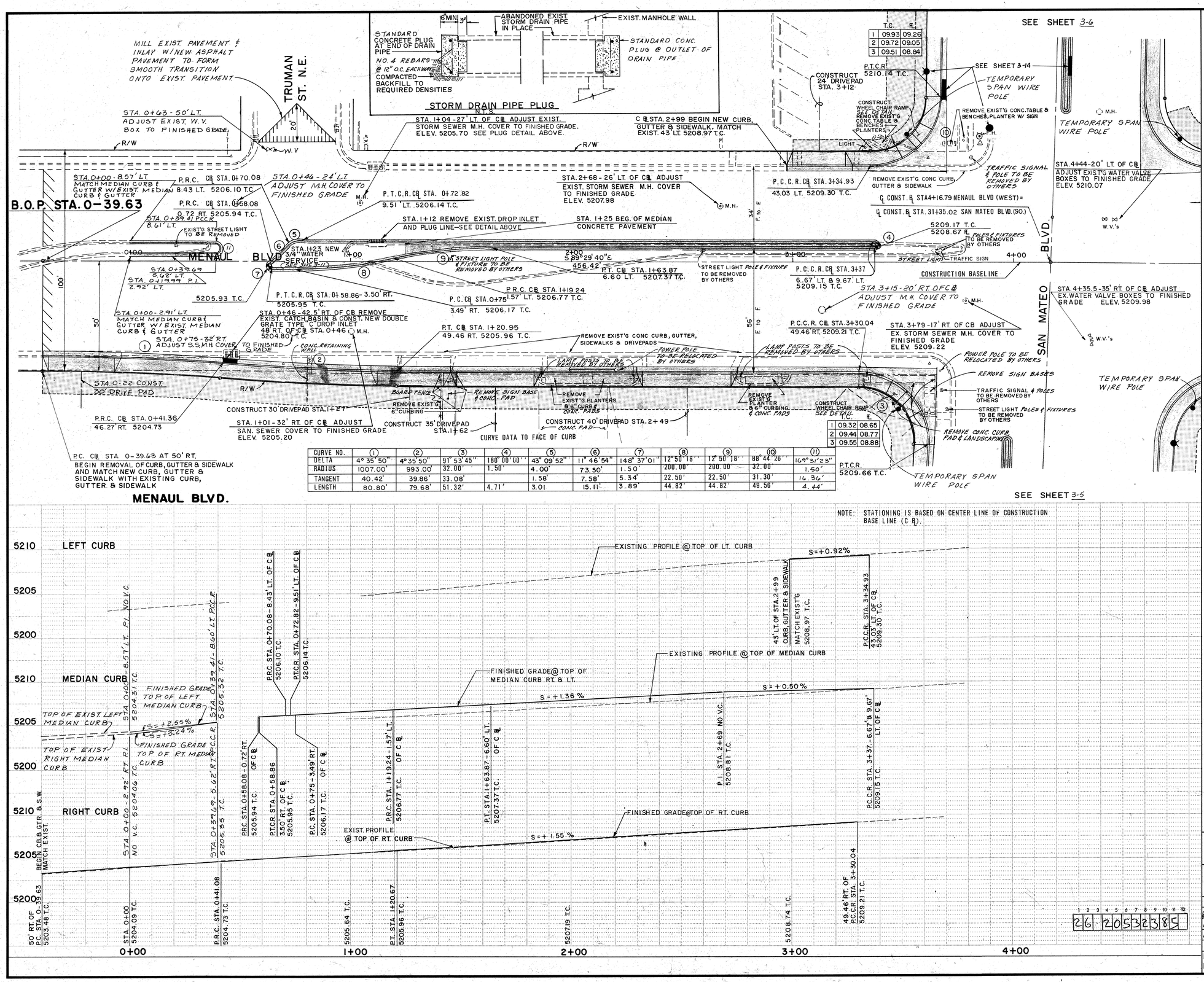
1 2 3 4 5 6 7 8 9 10 11 12
216 2065 3E 12 85

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION
PAVEMENT REHABILITATION PLAN

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 7/7/86 | Liquid Waste | N/A BR | 12/15/86 |
| A.C.E.- Design | | 3/4/86 | Traffic | D.O. Parks | 12/2/85 |
| A.C.E.- Hydrology | | 3/4/86 | Water | N/A BR | 12/2/85 |

DRAWING NO. 2053 | MAP NO. H-17, H-18 | SHEET 3-2 OF 51




| CURVE NO. | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DELTA | 4° 35' 50" | 4° 35' 50" | 91° 53' 45" | 180° 00' 00" | 43° 09' 52" | 11° 46' 54" | 148° 37' 01" | 12° 50' 18" | 12° 50' 18" | 98° 44' 26" | 169° 31' 23" |
| RADIUS | 1007.00' | 993.00' | 32.00' | 1.50' | 4.00' | 73.50' | 1.50' | 200.00' | 200.00' | 32.00' | 1.50' |
| TANGENT | 40.42' | 39.86' | 33.08' | | 1.58' | 7.58' | 5.34' | 22.50' | 22.50' | 31.30' | 16.36' |
| LENGTH | 80.80' | 79.68' | 51.32' | 4.71' | 3.01 | 15.11' | 3.89' | 44.82' | 44.82' | 49.56' | 4.44' |

| | T.C. | R. |
|---|---|---|
| 1 | 09.93 | 09.26 |
| 2 | 09.72 | 09.05 |
| 3 | 09.51 | 08.84 |

| | T.C. | R. |
|---|---|---|
| 1 | 09.32 | 08.65 |
| 2 | 09.44 | 08.77 |
| 3 | 09.55 | 08.88 |

## REMOVALS

1. FROM STA. 2+99 TO STA. 3+90 – 45' LT. OF C/L REMOVE EXIST. CURB, GUTTER & S.W.
2. FROM STA. 0-39.63 TO STA. 4+45 NORTH LANES OF MENAUL BLVD., INCLUDING PART OF TRUMAN ST., COLD MILL 3½" OF ASPHALT PAVEMENT.
3. FROM STA. 0+00 TO STA. 3+80 REMOVE MEDIAN CURB & GUTTER INCLUDING MEDIAN PAVEMENT.
4. FROM STA. 0-39.63 TO STA. 0+63 SOUTH LANES OF MENAUL BLVD., COLD MILL 3½" OF ASPHALT PAVEMENT.
5. FROM STA. 0-39.63 TO STA. 3+75 – 45' RT. OF C/L REMOVE EXIST. CURB, GUTTER & S.W.
6. FOR ALL OTHER REMOVAL ITEMS SEE SHEET 2-4
7. ADDITIONAL MILLING IS REQUIRED AT AREAS THAT ARE RUTTED OR HAVE IRREGULAR SURFACES TO ESTABLISH A SMOOTH ASPHALTIC BASE PLANE.

## NOTES

1. BEFORE COMMENCING ANY EXCAVATION ALL UTILITY LINES MUST BE FIELD LOCATED AND VERIFIED BY OTHERS BY CALLING 765-1234 TWO WORKING DAYS IN ADVANCE.
2. FOR RELOCATION OF FIRE HYDRANTS, CATCH BASINS SEE UTILITY SHEETS.
3. EXISTING LIGHT POLES TO BE REMOVED OTHERS. LIGHT POLE BASES TO BE REMOVED UNDER THIS CONTRACT.
4. EXISTING POWER POLES TO BE RELOCATED BY OTHERS.
5. NEON SIGNS TO BE REMOVED BY OTHERS. NEON SIGN BASES TO BE REMOVED UNDER THIS CONTRACT.
6. TRAFFIC SIGNAL EQUIPMENT ABOVE GROUND TO BE REMOVED BY OTHERS. CONCRETE BASES, CONDUIT AND PULL BOXES ARE TO BE REMOVED BY CONTRACTOR.
7. CONTRACTOR TO REMOVE ANY EXISTING LANDSCAPING PLANT BOXES, INCLUDING PLANTS, TREES, SHRUBS AND CURBING WITHIN CONSTRUCTION LIMITS, UNLESS DIRECTED OTHERWISE.
8. FROM STA. 0+73 TO STA. 3+76 REMOVE 4" ASPHALT PAVEMENT AND 6" OF CEMENT TREATED BASE. (South Lanes of Menaul Blvd)
9. FOR WHEEL CHAIR RAMP REFER TO TYPICAL WHEEL CHAIR RAMP DETAIL, SHEET 3-10.

LEGEND
TEMPORARY CONSTRUCTION PERMIT

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
WORK COMPLETED — DATE
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
Brass Cap - STA. NM 367-8 Located in median of San Mateo Blvd. N.E. 22' North of intersection with Cutler Ave., N.E. Elev. 5204.26

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | G. Douglas | 4-84 |

ENGINEER'S SEAL
RONALD D. CAMPBELL 7459 REGISTERED PROFESSIONAL ENGINEER NEW MEXICO

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | |

DESIGNED BY C.C. DATE 5-84
DRAWN BY M.E.Y. DATE 5-84
CHECKED BY G.D. DATE 7-84

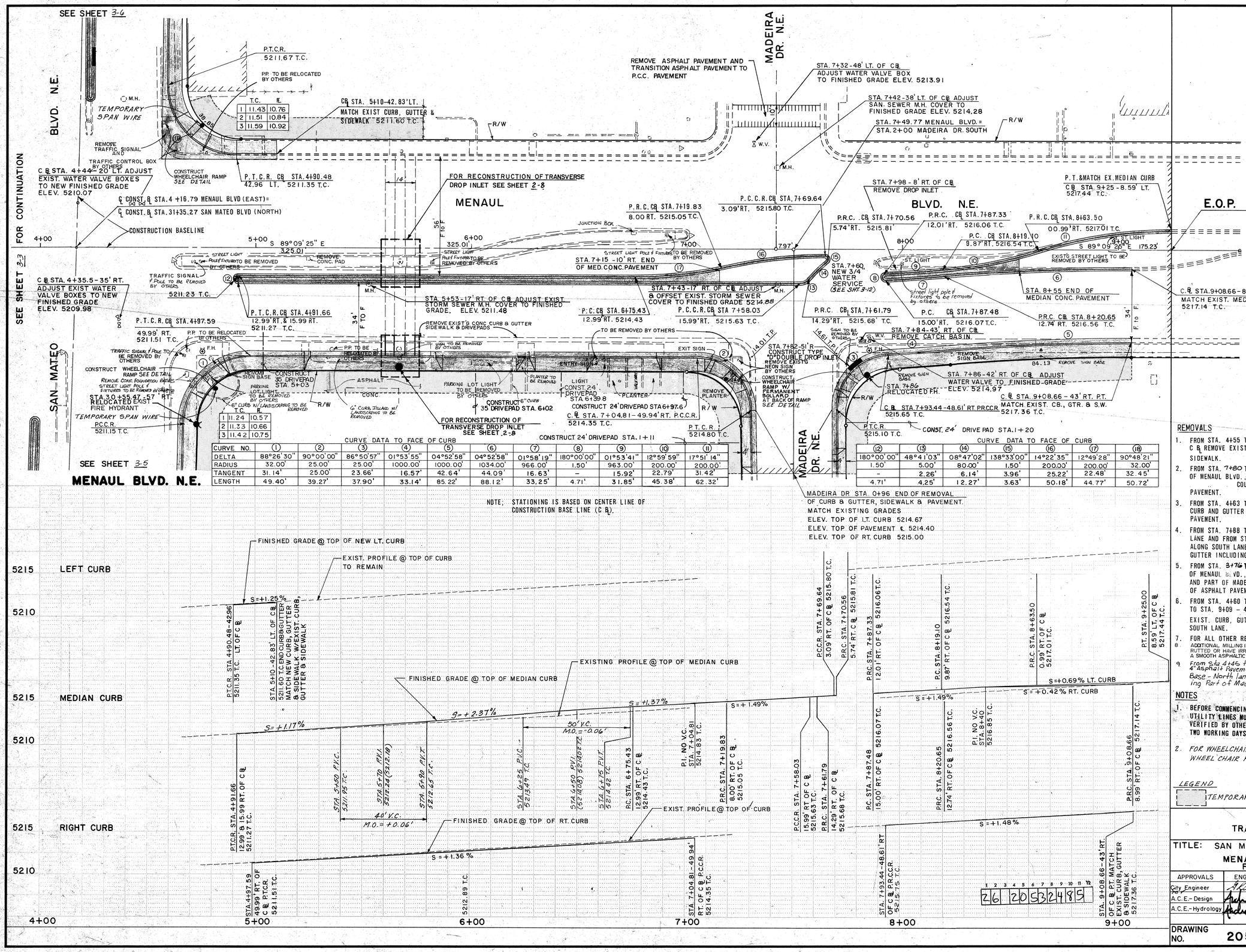
CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION
MENAUL STA. 0-39.63 TO 4+16.79
PAVING PLAN & PROFILE

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 3/7/86 | Liquid Waste | N/A BR | 12-3-85 |
| A.C.E.- Design | | 3/4/86 | Traffic | D.D. Parks | 12/2/85 |
| A.C.E.- Hydrology | | 3/4/86 | Water | N/A BR | 12-3-85 |

DRAWING NO. 2053 | MAP NO. H-17 | SHEET 3-3 OF 51

26 2053 23 85




| | T.C. | E. |
|---|---|---|
| 1 | 11.43 | 10.76 |
| 2 | 11.51 | 10.84 |
| 3 | 11.59 | 10.92 |

| | T.C. | E. |
|---|---|---|
| 1 | 11.24 | 10.57 |
| 2 | 11.33 | 10.66 |
| 3 | 11.42 | 10.75 |

CURVE DATA TO FACE OF CURB

| CURVE NO. | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DELTA | 88°26'30" | 90°00'00" | 86°50'57" | 01°53'55" | 04°52'58" | 04°52'58" | 01°58'19" | 180°00'00" | 01°53'41" | 12°59'59" | 17°51'14" |
| RADIUS | 32.00' | 25.00' | 25.00' | 1000.00' | 1000.00' | 1034.00' | 966.00' | 1.50' | 963.00' | 200.00' | 200.00' |
| TANGENT | 31.14' | 25.00' | 23.66' | 16.57' | 42.64' | 44.09' | 16.63' | – | 15.92' | 22.79' | 31.42' |
| LENGTH | 49.40' | 39.27' | 37.90' | 33.14' | 85.22' | 88.12' | 33.25' | 4.71' | 31.85' | 45.38' | 62.32' |

CURVE DATA TO FACE OF CURB

| CURVE NO. | (12) | (13) | (14) | (15) | (16) | (17) | (18) |
|---|---|---|---|---|---|---|---|
| DELTA | 180°00'00" | 48°41'03" | 08°47'02" | 138°33'00" | 14°22'35" | 12°49'28" | 90°48'21" |
| RADIUS | 1.50' | 5.00' | 80.00' | 1.50' | 200.00' | 200.00' | 32.00' |
| TANGENT | – | 2.26' | 6.14' | 3.96' | 25.22' | 22.48' | 32.45' |
| LENGTH | 4.71' | 4.25' | 12.27' | 3.63' | 50.18' | 44.77' | 50.72' |

NOTE; STATIONING IS BASED ON CENTER LINE OF CONSTRUCTION BASE LINE (C & R).




## REMOVALS

1. FROM STA. 4+55 TO STA. 5+10 - 43' LT. OF C & R REMOVE EXIST. CURB, GUTTER AND SIDEWALK.
2. FROM STA. 7+80 TO STA. 9+25 NORTH LANES OF MENAUL BLVD. COLD MILL 3½'' OF ASPHALT PAVEMENT.
3. FROM STA. 4+63 TO STA. 7+02 REMOVE MEDIAN CURB AND GUTTER INCLUDING MEDIAN PAVEMENT.
4. FROM STA. 7+88 TO STA. 9+25 ALONG NORTH LANE AND FROM STA. 7+88 TO STA. 9+09 ALONG SOUTH LANES REMOVE MEDIAN CURB AND GUTTER INCLUDING MEDIAN PAVEMENT.
5. FROM STA. 3+76 TO STA. 9+25 SOUTH LANES OF MENAUL BLVD., INCLUDING LEFT TURN BAYS, AND PART OF MADEIRA DR., COLD MILL 3½'' OF ASPHALT PAVEMENT.
6. FROM STA. 4+60 TO STA. 7+30 AND STA. 7+72 TO STA. 9+09 - 43' RT. OF C & R REMOVE EXIST. CURB, GUTTER AND SIDEWALK ALONG SOUTH LANE.
7. FOR ALL OTHER REMOVAL ITEMS SEE SHEET 2-16,17
8. ADDITIONAL MILLING IS REQUIRED AT AREAS THAT ARE RUTTED OR HAVE IRREGULAR SURFACES TO ESTABLISH A SMOOTH ASPHALTIC BASE PLANE.
9. From Sta 4+46 to Sta 7+80 Remove Exist. 4" Asphalt Pavement and 4" of Cement treated Base - North lanes of Menaul Blvd., Including Part of Madeira Dr.

## NOTES

1. BEFORE COMMENCING ANY EXCAVATION, ALL UTILITY LINES MUST BE FIELD LOCATED AND VERIFIED BY OTHERS BY CALLING 765-1234 TWO WORKING DAYS IN ADVANCE.
2. FOR WHEELCHAIR RAMP REFER TO TYPICAL WHEEL CHAIR RAMP DETAIL, SHT. 3-10.

LEGEND

TEMPORARY CONSTRUCTION PERMIT

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTED BY — DATE
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
Brass Cap - STA NM 367-8
Located in median of San Mateo Blvd. N.E. 22' North of intersection with Cutler Ave. N.E.
Elev. 5204.26

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | G. Douglas | 4-84 |

ENGINEER'S SEAL

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | |

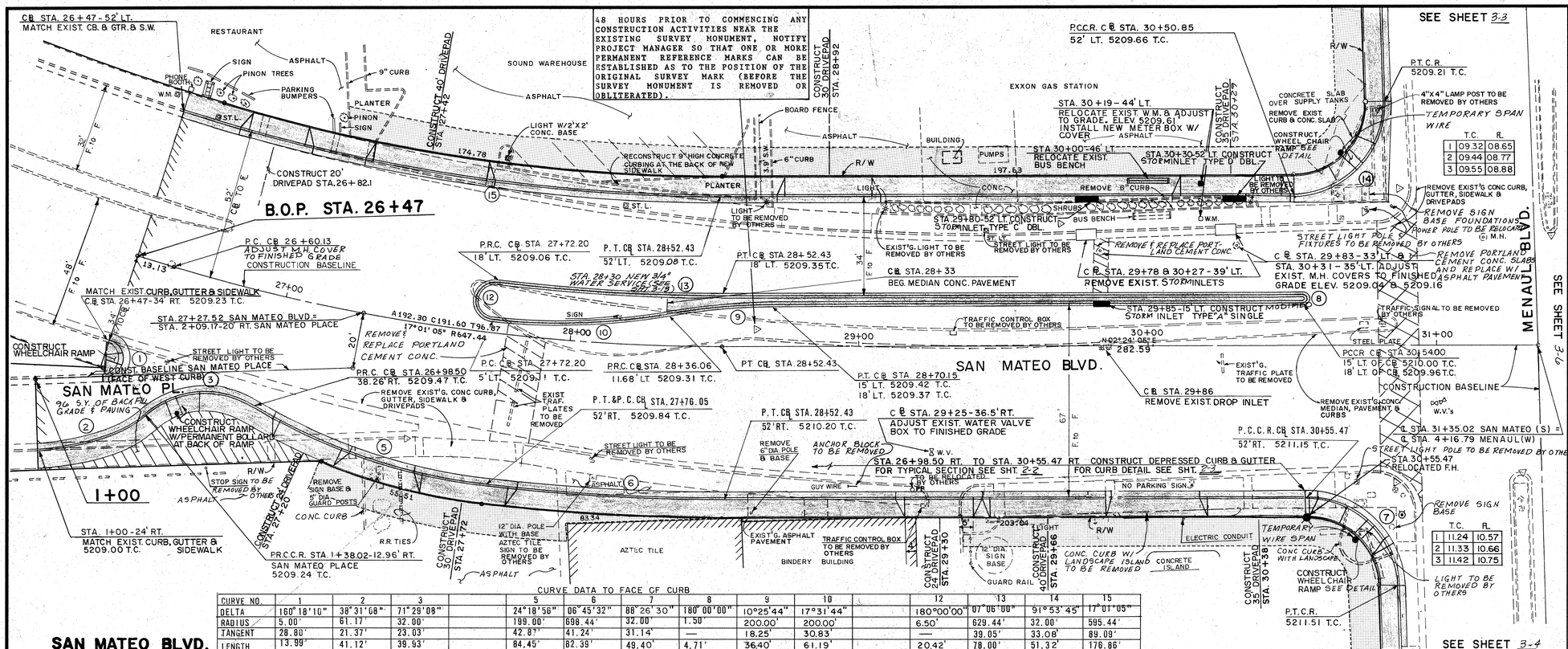
DESIGNED BY C.C. DATE 5-84
DRAWN BY M.E.V. DATE 5-84
CHECKED BY G.G. DATE 7-84

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION
MENAUL STA 4+16.79 TO STA. 9+25
PAVING PLAN & PROFILE

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 3/17/86 | Liquid Waste | B.C. Gal | 11/7/85 |
| A.C.E.- Design | | 3/14/86 | Traffic | D.A. Jones | 12/2/85 |
| A.C.E.- Hydrology | | 3/14/86 | Water | B.C. Gal | 11/7/85 |

DRAWING NO. 2053 | MAP NO. H-18 | SHEET 3-4 OF 51




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

## FOR REMOVALS:

1. FROM STA. 27+80 TO STA. 27+92 REMOVE TWO INNER CONCRETE SLABS AROUND TRAFFIC PADS & FROM STA. 30+80 TO STA. 30+93 REMOVE EXISTING CONCRETE PAVEMENT IN EAST LANES OF SAN MATEO BLVD.
2. FROM STA. 29+82 TO STA. 29+87 & FROM 30+80 TO STA. 30+93 REMOVE EXISTING CONC. PAVEMENT IN WESTLANES OF SAN MATEO
3. FROM STA. 26+47 - 52' LT. OF C B TO STA. 30+81 - 42' LT. OF C B REMOVE EXISTING CURB, GUTTER & SIDEWALK.
4. FROM STA. 26+47 TO STA. 30+80 WEST LANES OF SAN MATEO BLVD., COLD MILL 1½" OF CONCRETE PAVEMENT.
5. FROM STA. 27+65 - 15' LT. OF C B TO STA. 30+86 - 8' LT. OF C B REMOVE CONCRETE MEDIAN CURB & GUTTER INCLUDING MEDIAN PAVEMENT.
6. FROM STA. 26+47 TO STA. 30+80 EAST LANES OF SAN MATEO BLVD., INCLUDING LEFT TURN BAYS, COLD MILL 1½" OF CONCRETE PAVEMENT.
7. FROM STA. 26+47 TO STA. 26+82 - 32' LT. OF C B REMOVE EXISTING CURB, GUTTER AND SIDEWALK.
8. FROM STA. 26+82 -TO STA. 27+55 - 32' RT. OF C B REMOVE VALLEY GUTTER.
9. FROM STA. 27+55 - 52' LT. TO STA. 30+78 44' LT. OF C B REMOVE EXISTING CURB, GUTTER & SIDEWALK.
10. FROM STA. 1+00 TO STA. 1+60 SAN MATEO PLACE REMOVE EXISTING CURB & GUTTER WEST SIDE.
11. FROM STA. 1+00 TO STA. 2+32 SAN MATEO PLACE REMOVE EXISTING CURB, GUTTER & SIDEWALK. EAST SIDE.
12. FROM STA. 1+00 TO STA. 1+92 SAN MATEO PLACE REMOVE EXISTING PAVEMENT.
13. FOR ALL OTHER REMOVAL ITEMS SEE SHEET 2-14/17
14. ADDITIONAL CONCRETE MILLING IS REQUIRED AT VERTICALLY DISPLACED AREAS IN ORDER TO ESTABLISH SMOOTH BASE PLANE.

## NOTES

1. BEFORE COMMENCING ANY EXCAVATION, ALL UTILITY LINES MUST BE FIELD LOCATED AND VARIFIED BY OTHERS BY CALLING 765-1234 TWO WORKING DAYS IN ADVANCE.
2. EXISTING LIGHT POLES TO BE REMOVED BY OTHERS. LIGHT POLE BASES TO BE REMOVED UNDER THIS CONTRACT.
3. EXISTING POWER POLES TO BE RELOCATED BY OTHERS.
4. NEON SIGNS TO BE REMOVED BY OWNERS. NEON SIGN BASES TO BE REMOVED UNDER THIS CONTRACT.
5. FOR RELOCATION OF FIRE HYDRANTS AND CATCH BASINS SEE UTILITY SHEETS.
6. FOR WHEEL CHAIR RAMP REFER TO TYPICAL WHEEL CHAIR RAMP DETAIL, SHT. 3-10.

LEGEND

TEMPORARY CONSTRUCTION PERMIT

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | G. Douglas | 4/84 |

BENCH MARKS
Byers Cap - STA. N.M. 367.8
22' North of intersection with Cutler Ave., N.E.
Elev. 5204.24

AS BUILT INFORMATION

| | DATE |
|---|---|
| CONTRACTOR WORK STARTED BY | |
| INSPECTOR'S NAME BY | DATE |
| FIELD VERIFICATION BY | DATE |
| DRAWINGS CORRECTED BY | DATE |

MICRO-FILM INFORMATION

| | DATE |
|---|---|
| RECORDED BY | |
| NO. | |

ENGINEER'S SEAL

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN - DATE | |
| | | DESIGNED BY | C.C. 5-84 |
| | | DRAWN BY | R.R. 5-84 |
| | | CHECKED BY | G.S. 7-84 |

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION
SAN MATEO STA. 26+47 TO 31+35.02
PAVING PLAN & PROFILE

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 3/17/86 | Liquid Waste | | 12/5/85 |
| A.C.E.- Design | | 3/14/84 | Traffic | | 12/2/85 |
| A.C.E.- Hydrology | | 3/14/84 | Water | | 12/4/85 |

DRAWING NO. 2053 | MAP NO. H-17, H-18 | SHEET 3-5 OF 51

SEE SHEET 3-3 T.C. R.
1 09.93 09.26
2 09.72 09.05
3 09.51 08.84

SEE SHEET 3-5 FOR CONTINUATION

MENAUL BLVD. N.E.

C.B. STA. 31+35.27 SAN MATEO BLVD. NORTH
C.B. STA. 4+16.79 MENAUL BLVD. EAST

N89° 31' 54" W

N 02° 24' 05" E 20.77'

T.C. R.
1 11.43 10.76
2 11.51 10.84
3 11.59 10.92

SEE SHEET 3-4

**SAN MATEO BLVD. N.E.**

EXISTING TACO BELL BUILDING AND OTHER ASSOCIATED ABOVE-GROUND STRUCTURES TO BE REMOVED BY OTHERS; FOUNDATIONS, CONCRETE BASES AND UNDER-GROUND CONDUITS TO BE REMOVED BY CONTRACTOR.

SCALE: Horz. 1"=20'
Vert. 1"=5'

P.C.C.R. 5209.30 T.C.

P.T.C.R. & P.C. C.B. STA. 32+08.64
53.00' LT. 5209.47 T.C.

STA. 32+20 - 8' LT. RELOCATED FH.

STA. 32+56 RELOCATE W.M. & ADJUST TO GRADE ELEV. 5210.44 NEW METER BOX & COVER

STA. 32+70 - 10' LT. OF C.B. ADJUST EXIST. SAN. SEWER M.H. COVER TO FINISHED GRADE ELEV. 5210.26

STA. 33+41.50 - 9' LT. OF C.B. ADJUST EXIST. SAN. SEWER M.H. COVER TO FINISHED GRADE ELEV. 5210.71

P.C. C.B. STA. 34+88.40
53.00' LT. 5211.54 T.C.

STA. 35+14 - 33' LT. OF C.B. RELOCATE EXIST. W.M. & ADJUST TO GRADE ELEV. 5211.73 NEW METER BOX & COVER

P.R.C. C.B. STA. 35+66.08
41.77' LT. 5211.93 T.C.

STA. 35+47 - 42' LT. OF C.B. RELOCATE EXIST. W.M. & ADJUST TO FINISHED GRADE ELEV. 5211.89 W/ NEW METER BOX & COVER

P.T. & MATCH EXISTING C.B. & GTR. & S.W. C.B. STA. 36+44 31.71' LT. 5212.32 T.C.

E.O.P. STA. 36+44

From Sta. 31+66 to Sta. 35+25, Remove Exist. 4" Asphalt Pavement and 6" Cement Treated Base Course in West Lanes of San Mateo Blvd.

From Sta. 35+25 to Sta. 36+44, Cold Mill 3½" of Exist. Asphalt Pavement in West lanes of San Mateo Blvd.

SAN MATEO BLVD. N.E.

MATCH EXIST. TOP OF PAVEMENT 5212.94 T.P.

STA. 36+44 EXIST. TOP OF CURB ELEV. 5213.57

CITY OF ALBUQUERQUE WATER DEPT. 2621 SAN MATEO N.E.

TO BE REMOVED

CONC.

ASPHALT

5' HIGH CHAIN LINK FENCE

PARKING BUMPERS

2-10' WIDE BARRICADES

4-4" DIA. STEEL PIPES

CRAB APPLE SIGN

42.53

80.41

TACO BELL 5117 MENAUL N.E.

CONC. TABLE & BENCHES

PLANTER

SIGN LIGHT PLANTER

TEMPORARY SPAN WIRE

CONSTRUCT WHEELCHAIR RAMP SEE DETAIL

STA. 32+09.40 - 5' LT. CONST. TYPE C DBL. INLET

TACO BELL SIGN

TRAFFIC LIGHT TO BE REMOVED BY OTHERS

STA. 31+95.50 - 99.5' LT. CONSTRUCT 4 STA. TYPE C M.H.

REMOVE EXIST. CATCH BASIN

CONSTRUCTION BASELINE

P.C. C.B. STA. 31+56.04

0.25'

CONSTRUCTION BASELINE (C.B.) MODIFIED STA. 32+25-6' RT. CONSTRUCT TYPE "A" DBL. STORM INLET W/O GRATE
Δ 194.59 C 194.58 T 97.31
2° 28' 39" - R 4500.00

STA. 32+82 CONST. 15' DRIVEPAD

TRAFFIC SIGNAL & PEDESTAL TO BE REMOVED BY OTHERS 5210.96 T.C.

TRAFFIC CONTROL TO BE REMOVED BY OTHERS

P.T.C.R. C.B. STA. 32+05.08
3' RT. 5210.94 T.C.
6' RT. 5210.99 T.C.

TRAFFIC CONTROL TO BE REMOVED BY OTHERS

TRAFFIC CONTROL TO BE REMOVED BY OTHERS

STOP LIGHT TO BE REMOVED BY OTHERS

EXIST P.P. TO BE RELOCATED BY OTHERS

TEMPORARY SPAN WIRE

CONSTRUCT WHEELCHAIR RAMP SEE DETAIL

BUS BENCH

BOOK STORE

P.T.C.R. & P.C. C.B. STA. 32+11.32
40.00' RT. 5211.67 T.C.

BOARD FENCE

ALLEY GRAVEL

ASPHALT

STA. 32+04 - 20' RT. OF C.B. ADJUST TELE. M.H. COVER TO FINISHED GRADE 5210.69 RIM

P.T.C.R. 5211.35 T.C.

STA. 32+72 RELOCATE W.M. & REMOVE EXIST. SERVICE LINE. REPLACE W/ 1" WATER METERED SERVICE LINE, INCL. NEW METER BOX & COVER ELEV. 5212.03

STA. 33+12 - 38' RT. OF C.B. ADJUST EXIST. TELE. M.H. COVER TO FINISHED GRADE ELEV. 5211.50 SEE DETAIL SHEET

P.C. C.B. STA. 33+80.85
40.00' RT. 5212.51 T.C.

P.T. C.B. STA. 33+50.63
40.00' RT. 5212.36 T.C.

P.R.C. C.B. STA. 34+56.18
37.25' RT. 5212.89 T.C.

STA. 35+20 - 36.5' RT. OF C.B. ADJUST EXIST. WATER METER BOX COVER TO NEW FINISHED GRADE ELEV. 5213.28 AND REHABILITATE W.M. BOX & COVER

P.T. & MATCH EXIST. CB. & GTR. & S.W. C.B. STA. 35+26.55 - 34.69' RT. 5213.25 T.C.

DAVIS BLDG. 2622 SAN MATEO N.E.

2620 SAN MATEO N.E.

2610 SAN MATEO N.E.

PHONE

SIGN BEAM BASE

SIGN W/FLOOD LIGHTS

GRAVEL

SIGN TO BE REMOVED BY OTHERS

2" DRAIN UNDER S.W.

REMOVE EXIST. CONC. CURB, GUTTER, SIDEWALKS AND DRIVEPADS

REMOVE PARKING BUMPERS

LIGHT TO BE REMOVED BY OTHERS

REMOVE & DISPOSE CRAB APPLE

SPRINKLER HEADS TO BE RELOCATED BY OTHERS

SPRINKLER CONTROLLER TO BE RELOCATED BY OTHERS @ STA. 34+35-60 LT.

FIRE HYDRANT TO BE RELOCATED

6' CONC. SIDEWALK TO BE REMOVED

R.R. TIES

W.M.

STA. 33+49 - 4' RT. OF C.B. ADJUST GAS VALVE BOX TO FINISHED GRADE ELEV. 5212.43

4" ASPHALT CURB

P.T. C.B. STA. 33+50.63
6.00' RT.

P.T. C.B. STA. 33+50.63
3.00' RT. 5212.45 T.C.

P.C. C.B. STA. 33+80.85
6.00' RT. 5212.64 T.C.

P.C. C.B. STA. 33+80.85
3.00' RT.

STREET LIGHT TO BE REMOVED BY OTHERS

REMOVE ANCHOR BOX

TO BE REMOVED BY OTHERS

P.R.C. C.B. STA. 34+53.70
3.34' RT. 5213.11 T.C.

TRAFFIC CONTROL TO BE REMOVED BY OTHERS

CONCRETE PAVED MEDIAN (BRICK PATTERNED, BAJA RED)

P.T. & P.C.C.R. C.B. STA. 35+08.99
0.84' RT. 5213.47 T.C.

P.T. C.B. STA. 34+65.23
6.00' LT.

P.R.C. C.B. STA. 34+23.04
1.50' LT. 5212.91 T.C.

TRAF. PLATE TO BE REMOVED

TRAF. PLATE TO BE REMOVED STA. 34+23.04

P.C. C.B. STA. 34+88.40
6.00 LT. 5213.36 T.C.

P.T. & P.C.C.R. C.B. STA. 35+09.18
5.15' LT. 5213.47 T.C.
5213.47 T.C.

CONSTRUCTION BASELINE (C.B.)
36+00
SAN MATEO BLVD. N.E.

P.T. C.B. STA. 34+65.23
6.00' LT.

℄ 30' D.P. STA. 35+60

2-10' WIDE BARRICADES TO BE REMOVED

℄ 20' D.P. STA. 36+09

C.B. TO F.L. 3.54'

F.L. TO C.B. 34.69'

34' F. TO F.

C.B. TO C.B. 39.00'

56' F. TO F.

46' F. TO F.

℄ STA. 33+44

℄ STA. 34+45.6 CONST. 35' DRIVEPAD

℄ STA. 33+20 ℄ 35' D.P.

## REMOVALS

1. FROM STA. 31+77 TO STA. 36+44 - 31' LT. OF C & REMOVE EXISTING CURB, GUTTER & SIDEWALK.
2. FROM STA. 31+77 TO STA. 36+44 EAST LANES OF SAN MATEO BLVD., COLD MILL 3½" OF EXISTING ASPHALT PAVEMENT.
3. FROM STA. 31+88 TO STA. 34+67 ALONG THE MEDIAN, REMOVE EXISTING EXTRUDED ASPHALT CURB.
4. FROM STA. 31+77 TO STA. 35+27 - 34' RT. OF C & REMOVE EXISTING CURB, GUTTER & SIDEWALK.
5. FOR ALL OTHER REMOVAL ITEMS SEE SHEET 2-16,17
6. ADDITIONAL MILLING IS REQ'D AT AREAS THAT ARE RUTTED OR HAVE IRREGULAR SURFACES TO ESTABLISH A SMOOTH ASPHALTIC BASE PLANE.

## NOTES

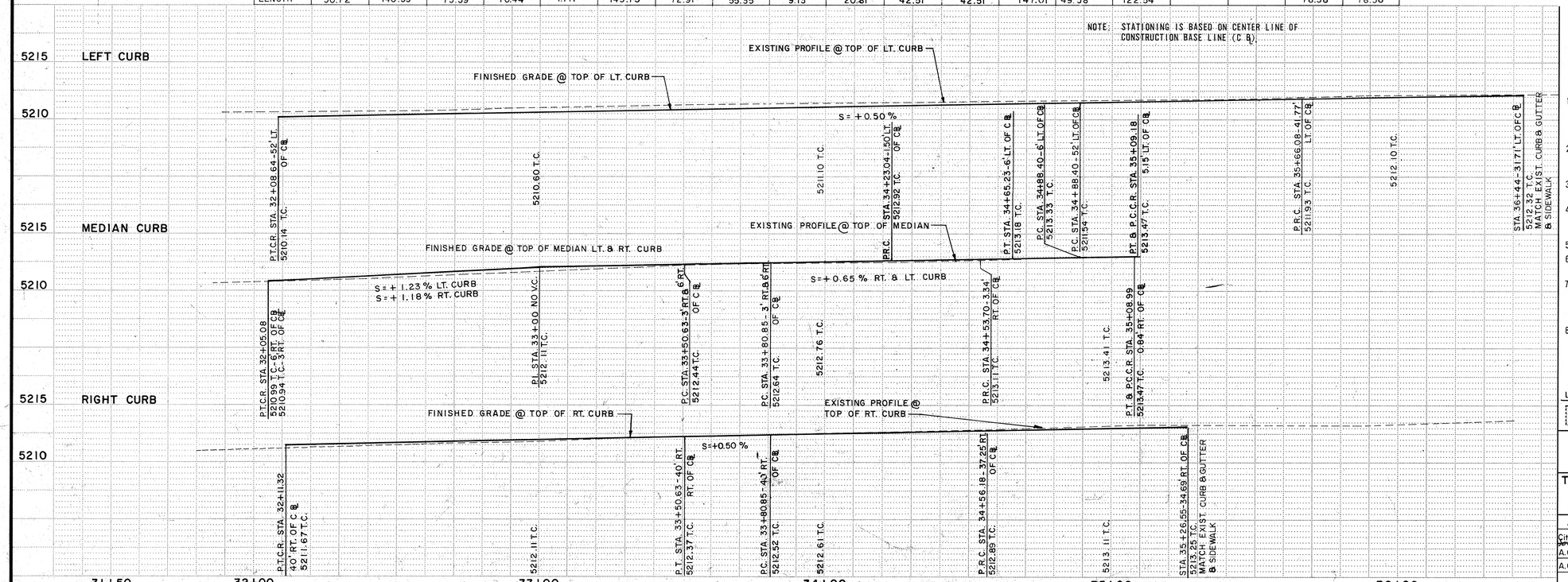
1. BEFORE COMMENCING ANY EXCAVATION ALL UTILITY LINES MUST BE FIELD LOCATED AND VERIFIED BY OTHERS BY CALLING 765-1234 TWO WORKING DAYS IN ADVANCE.
2. EXISTING LIGHT POLES TO BE REMOVED BY OTHERS. LIGHT POLE BASES TO BE REMOVED UNDER THIS CONTRACT.
3. EXISTING POWER POLES TO BE RELOCATED BY OTHERS.
4. NEON SIGNS TO BE REMOVED BY OWNER. NEON SIGN BASES TO BE REMOVED UNDER THIS CONTRACT.
5. TACO BELL BUILDING TO BE REMOVED BY OTHERS.
6. FOR RELOCATION OF FIRE HYDRANTS AND CATCH BASINS SEE UTILITY SHEETS.
7. TRAFFIC SIGNAL EQUIPMENT ABOVE GROUND TO BE REMOVED BY OTHERS. CONCRETE BASES, CONDUIT AND PULL BOXES ARE TO BE REMOVED BY CONTRACTOR.
8. CONTRACTOR TO REMOVE ANY EXISTING LAND-SCAPING PLANT BOXES, INCLUDING PLANTS, TREES, SHRUBS AND CURBING WITHIN CONSTRUCTION LIMITS, UNLESS DIRECTED OTHERWISE.
9. FOR WHEELCHAIR RAMP REFER TO TYPICAL WHEELCHAIR DETAIL, SHT. 3-10.

LEGEND
TEMPORARY CONSTRUCTION PERMIT

CURVE DATA TO FACE OF CURB

| CURVE NO. | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) | (15) | | | (18) | (19) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DELTA | 90°48'21" | 01°46'26" | 04°10'40" | 04°10'40" | 180°00'00" | 01°51'12" | 04°10'40" | 03°10'17" | 174°18'01" | 04°41'38" | 12°10'39" | 12°10'39" | 01°52'14" | 88°46'09" | 01°34'43" | | | 15°00'26" | 15°00'26" |
| RADIUS | 32.00' | 4540.00' | 1034.00' | 966.00' | 1.50' | 4506.00' | 1000.00' | 1000.00' | 3.00' | 254.00' | 200.00' | 200.00' | 4503.00' | 32.00' | 4448.00' | | | 300.00' | 300.00' |
| TANGENT | 32.45' | 70.28' | 37.71' | 35.23' | - | 72.88' | 36.47' | 27.68' | 60.26' | 10.41' | 21.33' | 21.33' | 73.51' | 31.32' | 61.28' | | | 39.52' | 39.52' |
| LENGTH | 50.72' | 140.55' | 75.39' | 70.44' | 4.71' | 145.75' | 72.91' | 55.35' | 9.13' | 20.81' | 42.51' | 42.51' | 147.01' | 49.58' | 122.54' | | | 78.58' | 78.58' |

NOTE: STATIONING IS BASED ON CENTER LINE OF CONSTRUCTION BASE LINE (C.B.)




CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION
SAN MATEO STA. 31+35.02 TO STA. 36+44
PAVING PLAN & PROFILE

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 3/17/86 | Liquid Waste | | 12/3/85 |
| A.C.E.- Design | | 3/11/86 | Traffic | | 12/26/85 |
| A.C.E.-Hydrology | | 3/11/86 | Water | | 12/2/85 |

DRAWING NO. 2053
MAP NO. H-17, H-18
SHEET 3-6 OF 51

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
INSPECTORS
ACCEPTANCE BY DATE
TEST
VERIFICATION BY DATE
DRAWINGS
CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

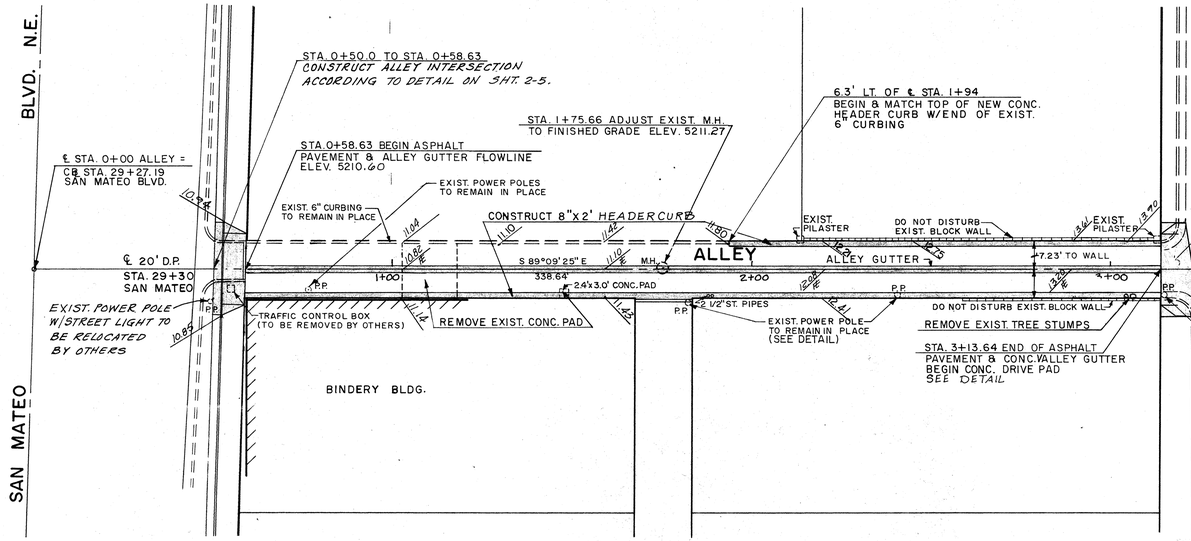
BENCH MARKS
Brass Cap - STA M/M 367-8.
Located in median of San Mateo Blvd., N.E. 22' North of intersection with Cutler Ave. N.E.
Elev. 5204.26

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE
G. Douglas 4-84

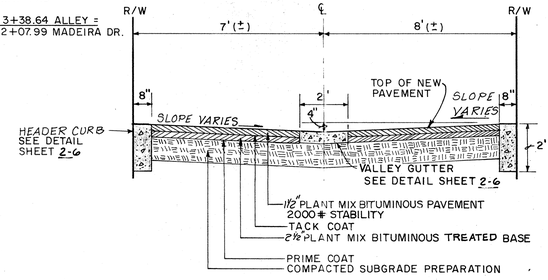
ENGINEER'S SEAL

REVISIONS
NO. DATE REMARKS BY
1 5-84 C.C.
2 5-84 M.E.V.
3 7-84 G.G.
DESIGNED BY
DRAWN BY
CHECKED BY

1 2 3 4 5 6 7 8 9 10 11 12
2 6 2 0 5 3 2 6 8 5

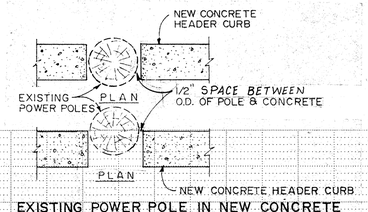



SCALE: Horz. 1"= 20'
Vert. 1"= 5'




## ALLEY SECTION

SCALE: 1"= 30' HORIZ.
N.T.S. VERT.




EXISTING POWER POLE IN NEW CONCRETE HEADER CURB
N.T.S.

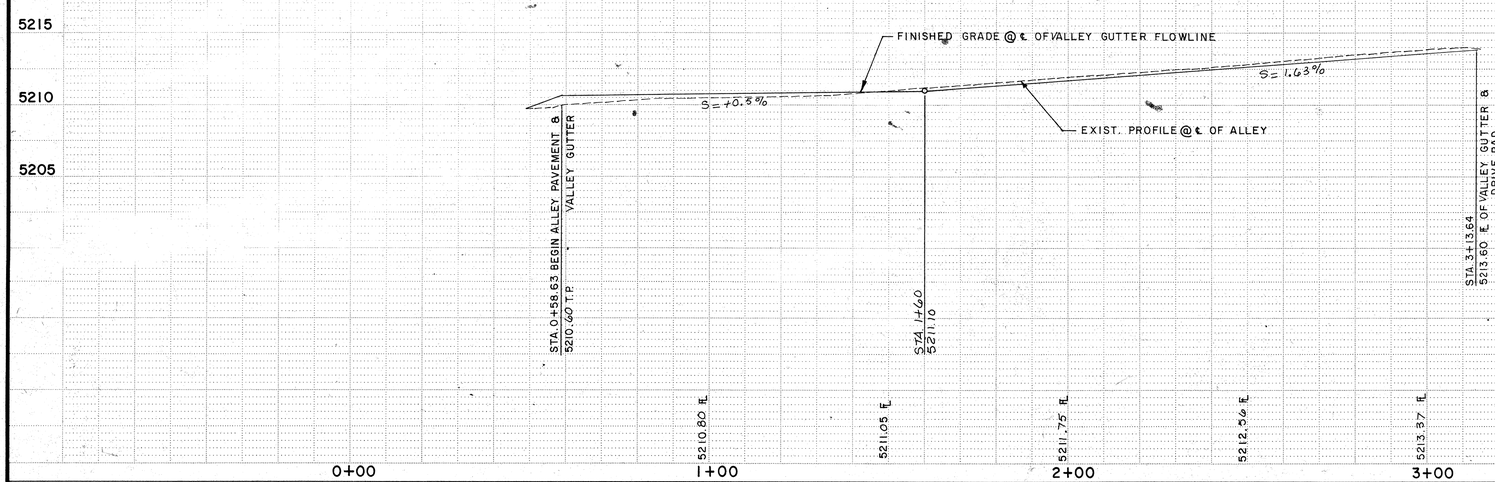
NOTES;

1. THE CONTRACTOR SHALL PERFORM ALLEY CONSTRUCTION OPERATIONS IN SUCH A MANNER AS TO MAINTAIN ACCESS TO BUSINESSES ADJACENT TO ALLEY FROM 8 a.m. TO 5 p.m., MONDAY THROUGH FRIDAY.
2. MANHOLE LIDS TO BE NON-VENTING LID WITH NON-PENETRATION LIFT HOLES, NEENAH R-1687, (LID#173, RING #235) OR APPROVED EQUAL.

## REMOVALS

1. FROM STA. 1+03 TO STA. 1+18 ℄ REMOVE EXISTING CONCRETE PAD.
2. STA. 1+47 6' RT. REMOVE EXISTING CONCRETE PAD.
3. STA. 3+05 8' RT. REMOVE 2 EXISTING TREE STUMPS.
4. STA. 3+13.64 TO STA. 3+22.5 REMOVE EXISTING ASPHALT PAVEMENT. STA. 3+13.64 REMOVE EXISTING SIDEWALK AND CURB & GUTTER.

## ALLEY℄




SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | G. Douglas | 5/84 |

BENCH MARKS
Brass Cap - STA. N.M. 367.8
Located in median of San Mateo Blvd. N.E. 22' North of intersection with Cutler Ave. N.E.
Elev. 5264.26

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTORS FIELD NOTES BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

ENGINEER'S SEAL

| NO. | DATE | REMARKS / REVISIONS | BY |
|---|---|---|---|
| | | DESIGN | |
| | | DESIGNED BY C.C. | DATE June 1984 |
| | | DRAWN BY M.E.V. | DATE June 1984 |
| | | CHECKED BY G.G. | DATE July 1984 |

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

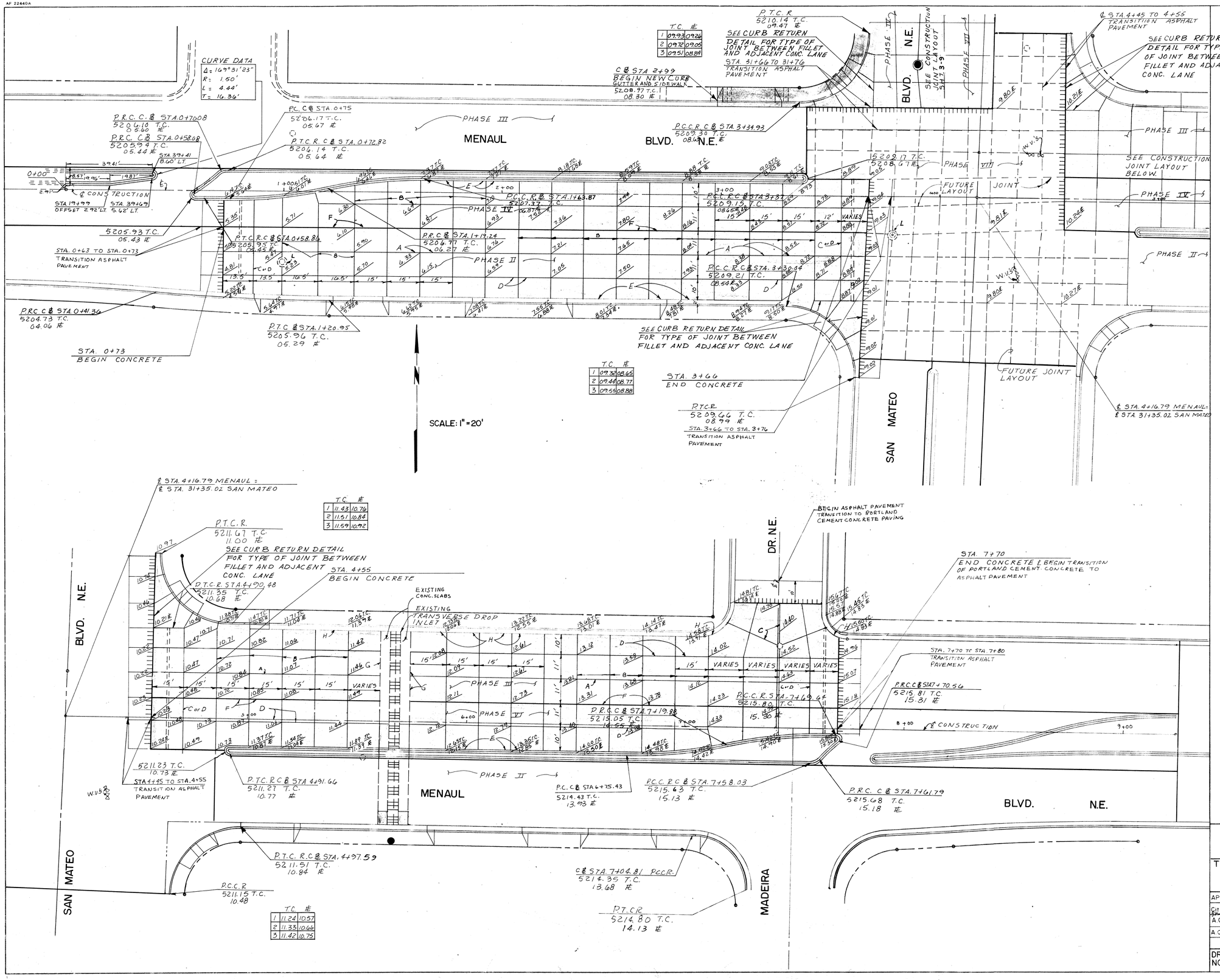
TITLE: SAN MATEO & MENAUL INTERSECTION
ALLEY PAVING STA. 0+58.63 TO STA. 3+13.64

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 3/7/85 | Liquid Waste | | 12/18/85 |
| A.C.E.- Design | | 3/6/84 | Traffic | | 12/18/85 |
| A.C.E.- Hydrology | | 3/6/84 | Water | | 12/18/85 |

DRAWING NO. 2053 | MAP NO. H-18 | SHEET 3-7 OF 51

1 2 3 4 5 6 7 8 9 10 11 12
26 | 20 | 5 | 32 | 78 | 9

AF 22440A




## LEGEND

PORTLAND CEMENT CONCRETE PAVING AREAS

CONSTRUCTION JOINT TYPE SEE DETAIL SHEET 2-4

NOTE:

1. CURB & GUTTER JOINTS SHOULD ALIGN WITH CONCRETE PAVING JOINTS
2. PHASE NUMBERS ON THIS SHEET ARE REFERRED TO TRAFFIC CONTROL PHASING STAGE.
3. PORTLAND CEMENT CONCRETE PAVEMENT IS REQUIRED TO OBTAIN HIGH-EARLY STRENGTH OF A MINIMUM OF 2,500 PSI. WITHIN THREE DAYS BEFORE OPENING TO TRAFFIC.

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY — DATE
SUBSTANTIAL WORKS ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO

BENCH MARKS
Brass Cap - STA 4+44.367-8
Located in median of San Mateo Blvd. N.E. 22' North of intersection with Cutler Ave. N.E.
Elev. 5204.26

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|

ENGINEER'S SEAL

| NO. | DATE | REVISIONS | BY |
|---|---|---|---|
| | | DESIGN | |
| | | DESIGNED BY | CW |
| | | DRAWN BY | BG |
| | | CHECKED BY | RAD |

DATE 6-20-85
DATE 6-20-85
DATE 6-20-85

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

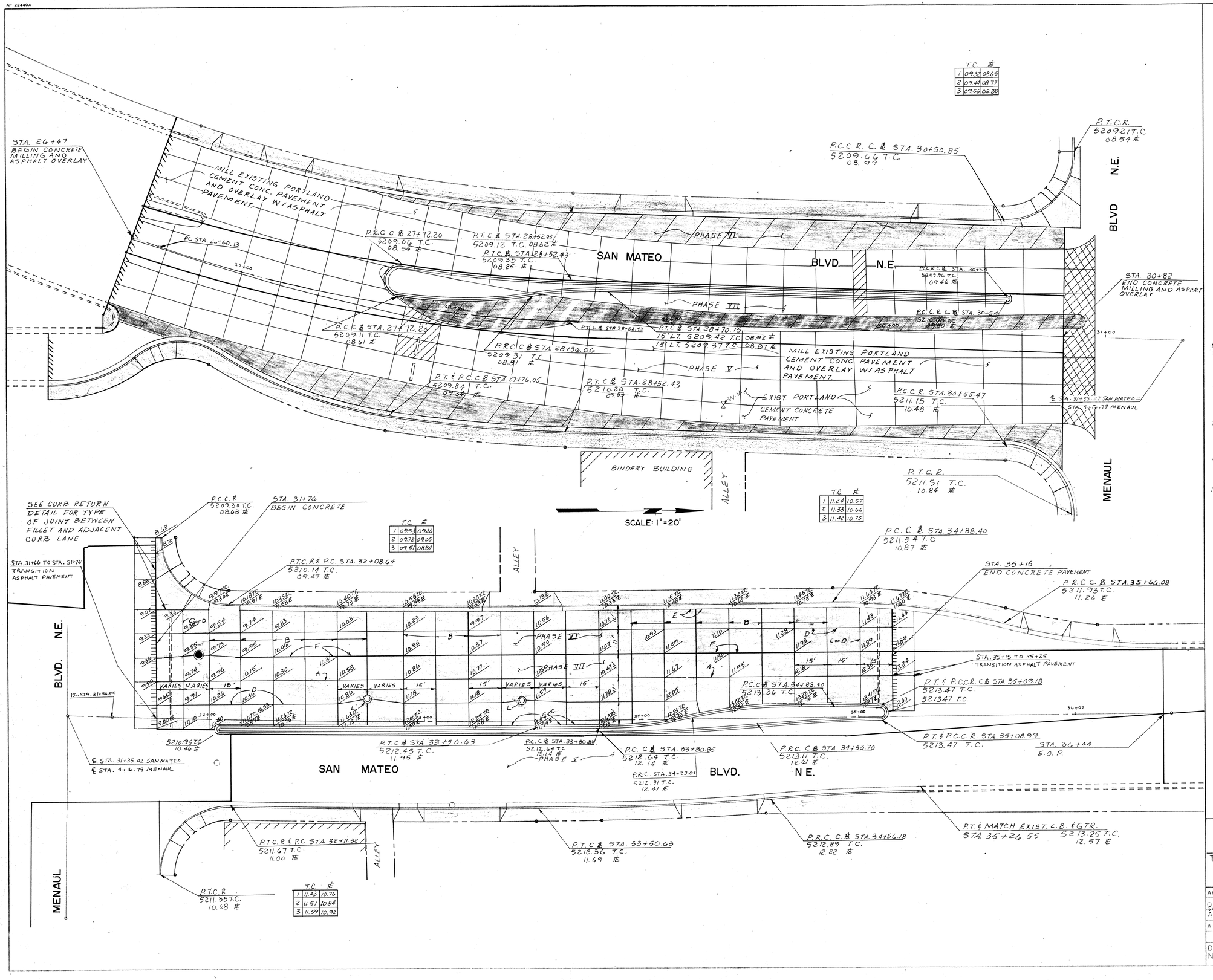
TITLE: SAN MATEO & MENAUL INTERSECTION CONSTRUCTION JOINTS LAYOUT CONCRETE PAVING

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 7/17/85 | Liquid Waste | N/A | B.R 11/2/85 |
| A.C.E - Design | | 3/11/86 | Traffic | | 11/7/85 |
| A.C.E - Hydrology | | 3/11/86 | Water | N/A | A.R 11/2/85 |

DRAWING NO. 2053 | MAP NO. H-17, H-18 | SHEET 3-8 OF 51

2|6|2|0|5|3|2|8|8|5

AF 22440A




## LEGEND

- PORTLAND CEMENT CONCRETE PAVING AREAS
- CONSTRUCTION JOINT TYPE, SEE DETAIL SHEET 2-4
- EXIST. PORTLAND CONC. SLAB TO BE REMOVED & REPLACED (SEE NOTE 2 BELOW)
- EXIST. PORTLAND CEMENT CONC. TO BE REMOVED & REPLACED W/ASPHALT
- CONSTRUCT CONC. PAVEMENT TO MILL ELEVATIONS & OVERLAY W/ASPHALT PAVEMENT.

NOTE

1. PHASE NUMBERS ON THE JOINT DETAILS REFER TO TRAFFIC CONTROL PHASING STAGE.
2. EXISTING PANELS TO BE REMOVED AND REPLACED WITH PORTLAND CEMENT CONCRETE TO PROPOSED MILLED LEVEL (7½") AND 1½" ASPHALT.
3. ALL EXISTING JOINTS IN CONCRETE PAVEMENT ARE TO BE SANBLAST, CLEAN AND SEAL, AFTER COLD MILLING OPERATIONS.
4. CURB AND GUTTER JOINTS SHOULD ALIGN WITH CONCRETE PAVING JOINTS.

NOTE: AREAS ARE WITHIN SOUTH SAN MATEO MEDIAN & WIDEN SECTIONS ONLY.

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTORS
AS CHANGED BY
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY
NO

SURVEY INFORMATION
BENCH MARKS
Brass Cap - STA. 4+00 362-8 Located in median of San Mateo Blvd. N.E. 22' North of intersection with Cutler Ave. N.E. Elev. 5209.26
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | |
| | | DESIGNED BY | |
| | | DRAWN BY | |
| | | CHECKED BY | |

CITY OF ALBUQUERQUE

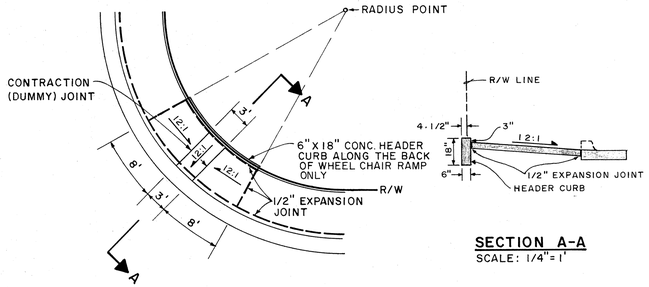
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION CONSTRUCTION JOINTS LAYOUT CONCRETE PAVING

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 3/7/86 | Liquid Waste | N/A BR | 11/21/85 |
| A.C.E. - Design | | 3/11/86 | Traffic | D.A. Parks | 12/2/85 |
| A.C.E. - Hydrology | | 3/11/86 | Water | N/A BR | 11/7/85 |

DRAWING NO 2053 MAP NO H-17, H-18 SHEET 3-9 OF 51

26 | 2053 | 29 | 89

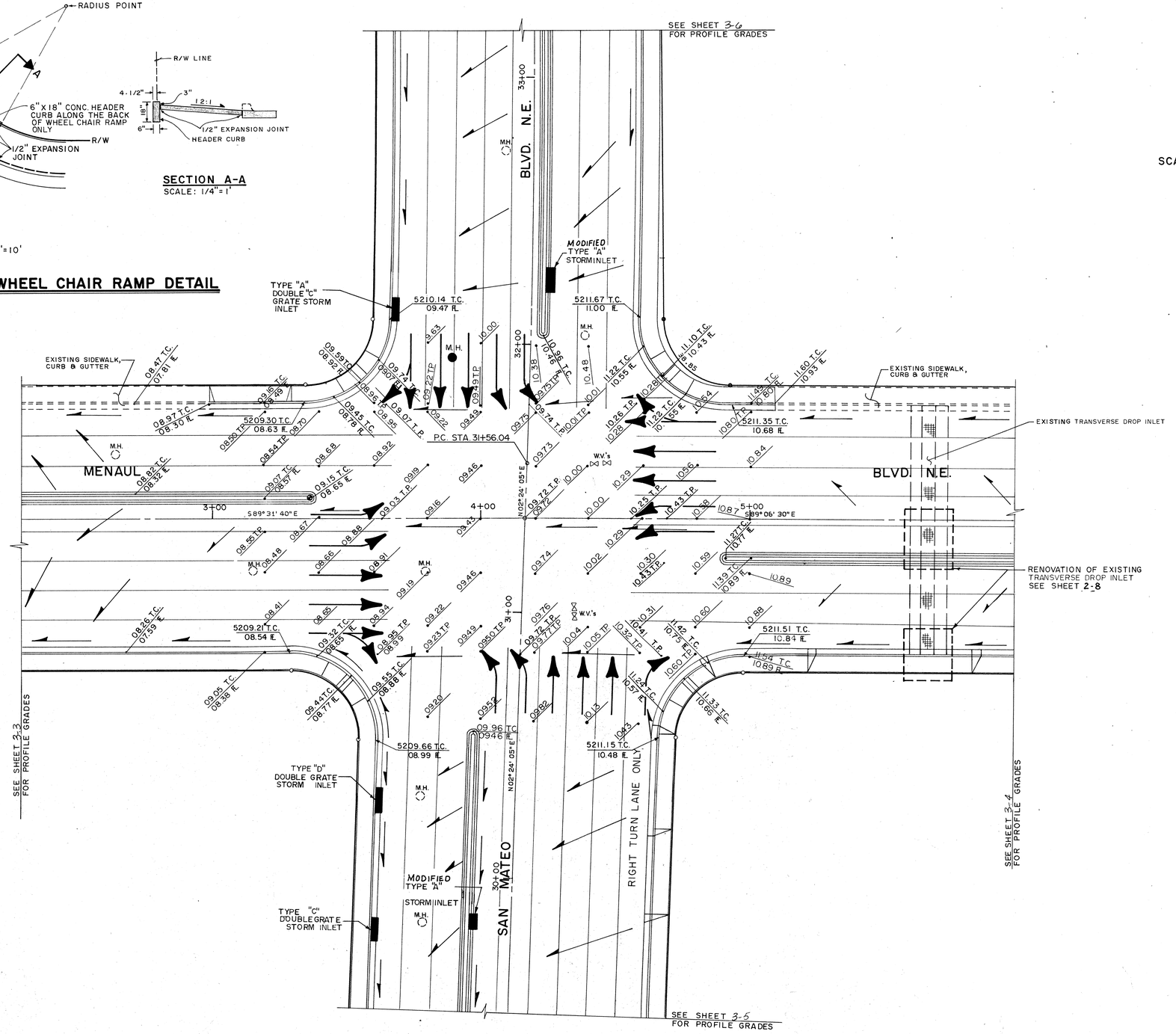



PLAN
SCALE: 1"=10'




SECTION A-A
SCALE: 1/4"=1'

# TYPICAL WHEEL CHAIR RAMP DETAIL




SCALE: 1" = 20'

LEGEND

- T.C. TOP OF CURB
- T.P. TOP OF PAVEMENT
- FL. FLOW LINE
- TRAFFIC FLOW DIRECTION
- STORM RUNOFF FLOW DIRECTION

NOTE:
SEE PLAN & PROFILE SHEETS FOR STATIONING OF ITEMS TO BE INSTALLED.

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED ON: DATE
WORK COMPLETED ON: DATE
ACCEPTANCE BY DATE
CERTIFICATION BY DATE
DRAWINGS CORRECTED BY DATE

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
Base Cap - STA. N.M. 367-8
Located in median of San Mateo Blvd. N.E. 22' North of intersection with Cutler Ave. N.E.
Elev. 5204.26

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | |

DESIGNED BY C.C. DATE June 1984
DRAWN BY M.E.Y. DATE June 1984
CHECKED BY G.G. DATE July 1984

1 2 3 4 5 6 7 8 9 10 11
26 20533085

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION
INTERSECTION GRADING PLAN

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 3/7/86 | Liquid Waste | N/A GR | 12/2/85 |
| A.C.E.- Design | | 3/4/86 | Traffic | Ed. Peralta | 12/2/85 |
| A.C.E.- Hydrology | | 3/4/86 | Water | N/A GR | 12/2/85 |

DRAWING NO. 2053 | MAP NO. H-17, H-18 | SHEET 3-10 OF 51

SEE SHEET 3-14

STA. 0+63 - 50' LT. ADJUST EXIST. WATER VALVE BOX TO FINISHED GRADE

EXIST. 16" C.I. WATER LINE W

TRUMAN ST. N.E.

EXIST. SINGLE TYPE "C"

EXIST. SINGLE TYPE "C"

R/W

EXIST. STORM INLET TO BE REMOVED AND DISPOSED OF

SEE SHT. 3-14

EXIST. 12" C.I. WATER LINE W

EXIST. DOUBLE TYPE "C"

F.H.

NOT FND.

RELOCATE EXIST. FIRE HYDRANT SEE SHEET 3-14 FOR NEW LOCATION

BLVD. N.E.

32'±

38.72

EXIST. TELEPHONE M.H.

6" H.P. GAS LINE (EXIST)

EXIST. 24" CONC. CYL. WATER LINE W

PLUG INLET INSIDE OF MH WITH CONC. & ABANDON EXIST. 12" R.C.P. IN PLACE

EXIST. M.H.

EXIST. 60" R.C.P.

SD

SEE DETAIL SHEET 3-3

EXIST. DOUBLE TYPE "C"

EXIST. SINGLE TYPE "C" STORM INLET TO BE REMOVED AND DISPOSED OF. EXISTING LINE TO BE PLUGGED SEE DETAIL ON SHEET 3-3

MENAUL

0+00

1+00

58'-3/4" W.L.

STA. 1+23 NEW 3/4 WATER SERVICE LINE

S89° 31' 40"E 415.95

2+00

3+00

4+00

CONSTRUCTION BASELINE

EXIST. 6" C.I. WATER LINE W

EXIST. 8" SANITARY SEWER LINE

SAS

EX. 24" R.C.P.

EXIST. 16" C.I. WATER LINE W

EXIST. M.H.'s

EXIST. 8" H.P. GAS LINE G

EXIST. 54" R.C.P.

CB STA. 4+16.79 MENAUL BLVD. (WEST) = CB STA. 31+35.02 SAN MATEO (SOUTH)

EXISTING DOUBLE TYPE "A" STORM INLET TO BE REMOVED AND DISPOSED OF

EXIST. 18" CONC. CYL. WATER LINE W

NOT FND.

RELOCATE EXIST. FIRE HYDRANT W/CONC. THRUST BLOCK SEE SHEET 3-12 FOR NEW LOCATION

35.43

38.00

256.97

NEW CURB & GUTTER & SIDEWALK

CONNECT NEW 24" R.C.P. CLASS III TO EXIST. 24" R.C.P. @ 5197.68

CB STA. 0+46.48 RT. CONSTRUCT STORM INLET TYPE "A" DOUBLE "C" GRATE EXTEND EXIST. 24" R.C.P. W/NEW 24" R.C.P. - 6' LONG 5204.80 T.C. INV. 5198.00

40.11

SAN MATEO

EXIST. 6" ST. WATER LINE W

6" H.P. GAS LINE (EXIST) G

EXIST. 24" CONC. CYL. WATER LINE

EXIST. 24" R.C.P.

EXIST. M.H.

SEE SHEET 3-13

SEE SHEET 3-12

**MENAUL BLVD. N.E.**

5205

5200

5195

0+00 1+00 2+00 3+00 4+00

STA. 0+46-48 RT. CONSTRUCT TYPE "A" DOUBLE GRATE STORM INLET
5204.80 T.C.
5204.00 GRATE
5198.00 INV.

SCALE: Horz. 1"=20'
Vert. 1"= 5'

NOTES

1. BEFORE COMMENCING ANY EXCAVATION, ALL UTILITY LINES MUST BE FIELD LOCATED AND VERIFIED BY OTHERS BY CALLING 765-1234 TWO WORKING DAYS IN ADVANCE.
2. ADJUST ALL EXISTING MANHOLE FRAMES AND COVERS TO NEW FINISHED GRADES.
3. FIELD VERIFY THE LOCATIONS OF ALL EXISTING GATE VALVES AND VALVE BOXES INCLUDING THE ONES NOT FOUND AND ADJUST ALL VALVE BOXES AND COVERS TO NEW FINISHED GRADES.
4. 3/4" WATER SERVICE LINE TO MEDIAN SHALL INCLUDE CURB STOP WITH 3/4" RISER AND CONCRETE PAD.

LEGEND

TEMPORARY CONSTRUCTION PERMIT

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTORS
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
Brass Cap - STA 1/11 367-8
Located in median of San Mateo Blvd. N.E. 22' North of intersection with Cutler Ave. N.E.
Elev. 5204.26

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL

REMARKS
REVISIONS
DESIGN — DATE Apr. 1984
NO. | DATE | BY
DESIGNED BY C.C. — DATE May 1984
DRAWN BY R.B. — DATE July 1984
CHECKED BY G.S.

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION
STA. 0-36 to STA. 5+00 MENAUL
STORM SEWER & UTILITIES PLAN & PROFILE

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 3/17/86 | Liquid Waste | | 11/2/84 |
| A.C.E.- Design | | 3/14/86 | Traffic | | 11/2/84 |
| A.C.E.- Hydrology | | 3/14/86 | Water | | 11/2/84 |

DRAWING NO. 2053
MAP NO. H-17, H-18
SHEET 3-11 OF 51

246 | 205333 | 1859

SEE SHEET 3-14

SEE SHEET 3-11

SEE SHEET 3-13

EXIST. 12" C.I. WATER LINE

SEE SHEET 3-14

BLVD. N.E.

EXIST. TELEPHONE M.H.

EXIST. 24" CONC. CYL. WATER LINE

C℄ STA. 4+16.79 MENAUL BLVD.(EAST) = C℄ STA. 31+35.27 SAN MATEO BLVD. (NORTH)

39.85

219.12

R/W

NOT FND.

6" H.P. GAS LINE EXIST.

ADJUST TOP OF EXIST. VALVE BOXES TO FINISHED GRADE. LOCATE & VERIFY LOCATION OF VALVE BOXES.

EXIST. 6" C.I. WATER LINE

EXIST. TRANSVERSE DROP INLET

MADEIRA DR. N.E.

EXIST. 6" C.I. WATER LINE

STA. 7+51.73 - 62.5' L.T. CONST. 6' DIA. TYPE 'E' M.H. 10' EAST OF ℄ MADEIRA JUST NORTH OF PROPOSED PAVING LIMITS INV. EL. 5202.44'

10'

SAS

℄ LINE "C"

EXIST M.H.

80'-48" CLASS III RCP @ 0.15% SLOPE

EXIST. DOUBLE TYPE "C"

F.H. EXIST.

R/W

W

SD

26'-3/4" WL

EXIST. 6" C.I. WATER LINE

NOT FND.

ADJUST TOP OF EXIST. VALVE BOXES TO FINISHED GRADE. LOCATE & VERIFY LOCATION OF VALVE BOXES.

EXIST. 8" C.I. WATER LINE

5+00

MENAUL

6+00

CONSTRUCTION BASELINE

S89°06' 30"E

7+00

8+00

BLVD. N.E.

9+00

EXIST. SINGLE TYPE "C" STORM INLET REMOVE AND DISPOSE OF

STA. 7+60 NEW 3/4" WATER SERVICE LINE

REMOVE M.H. COVER & MODIFY EXIST. STORM INLET AS PER DETAIL. SEE SHEET 2-8

EXIST. 54" R.C.P.

EXIST. M.H.

EXIST. 54" R.C.P.

STA. 7+43-17' RT OF ℄ = STA. 0+00 - LINE "C" EXIST. STORM SEWER M.H.

LINE "D"

INSTALL 54" OF 18" R.C.P.

PLUG INLET AND OUTLET AND ABANDON EXIST DRAIN PIPE IN PLACE

EXIST. 12" RCP TO BE REMOVED

EXIST. 54" R.C.P.

ADJUST TOP OF EXIST. VALVE BOXES TO FINISHED GRADE. LOCATE & VERIFY LOCATION OF VALVE BOXES.

8" H.P. GAS LINE (EXIST.)

EXIST. 18" CONC. CYL. WATER LINE

NOT FND.

EXIST. F.H.

EXIST. SINGLE TYPE "C"

EXIST STORM INLET TO BE REMOVED & DISPOSED OF.

EXIST. F.H.

INSTALL 15' OF 6" DIA. PIPE

SAN MATEO

INSTALL 40' OF 6" DIA. WATER PIPE

201.18

R/W

84.13

R/W

C℄ STA. 7+82-51' RT. CONSTRUCT STORM INLET TYPE "D" DOUBLE GRATE TIE TO EXIST. M.H. WITH 48' OF 18" R.C.P., CLASS III 5215.71 T.C. INLET INV. ELEV. 5212.90

55.59

39.27

EXTEND EXIST TRANSVERSE STORM INLET AS PER DETAIL. SEE SHEET 2-8.

RELOCATE EXIST. F.H. W/CONC. THRUST BLOCK FROM C℄ STA. 4+75.80 ALONG MENUAL TO C℄ STA. 30+55.47-57' RT. ALONG SAN MATEO TIE NEW LINE TO EXIST. GATE VALVE. TOP OF FLANGE ELEV. 5211.44'

RELOCATE EXIST. F.H. W/CONC. THRUST BLOCK FROM C℄ STA. 7+84-39' RT TO C℄ STA. 7+86 -54' RT. CONNECT NEW LINE TO F.H. @ EXIST. GATE VALVE TOP OF FLANGE ELEV. 5216.20.

EXIST. 6" ST. WATER LINE

6" H.P. GAS LINE (EXIST.)

EXIST. 24" CONC. CYL. WATER LINE

EXIST 8" SANITARY SEWER LINE

MADEIRA DR. N.E.

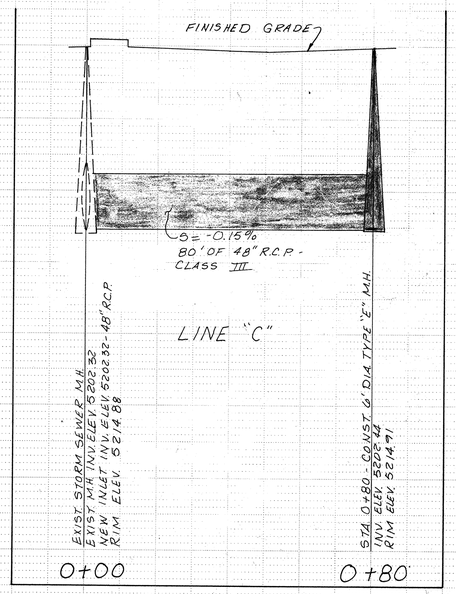
LOT 4A

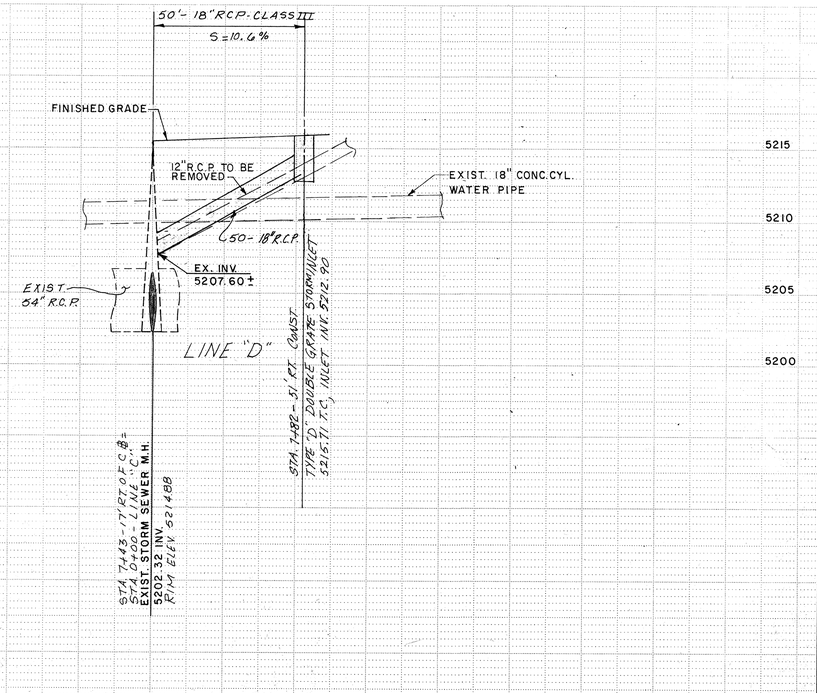
TRACT 1A

SEE SHEET 3-13

MENAUL BLVD. N.E.

4+00 5+00 6+00 7+00 8+00 9+00




SCALE: Horz. 1" = 20'
Vert. 1" = 5'

NOTES

1. ADJUST ALL EXISTING MANHOLE FRAMES AND COVERS TO NEW FINISHED GRADES.
2. FIELD VERIFY LOCATIONS OF ALL EXISTING GATE VALVES AND BOXES, INCLUDING THE ONES NOT FOUND, AND ADJUST ALL VALVE BOXES AND COVERS TO NEW FINISHED GRADES.
3. FOR FIRE HYDRANT RELOCATIONS, REMOVE EXISTING PIPE STUBOUT FROM EXISTING GATE VALVES AND INSTALL NEW SIX INCH DIAMETER PIPE FROM EXISTING GATE VALVES TO RELOCATED FIRE HYDRANTS.
4. 3/4" WATER SERVICE LINES TO THE MEDIANS SHALL INCLUDE CURB STOP WITH 3/4" RISER AND CONCRETE PAD.

LEGEND

TEMPORARY CONSTRUCTION PERMIT

AS BUILT INFORMATION
CONTRACTOR
STAKED BY
INSPECTORS
TIE DISTANCE BY
FIELD VERIFICATION BY
DRAWING CORRECTED BY
DATE

BENCH MARKS
Brass Cap - STA M.M. 367-B
Located in median of San Mateo Blvd. N.E. 22' North of intersection with Cutler Ave. N.E.
Elev. 5204.26

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL

MICRO-FILM INFORMATION
RECORDED BY | DATE | NO.

REMARKS | BY | DATE
REVISIONS
DESIGN
DESIGNED BY C.C. DATE Apr. 1984
DRAWN BY A.G. DATE May 1984
CHECKED BY G.G. DATE July 1984

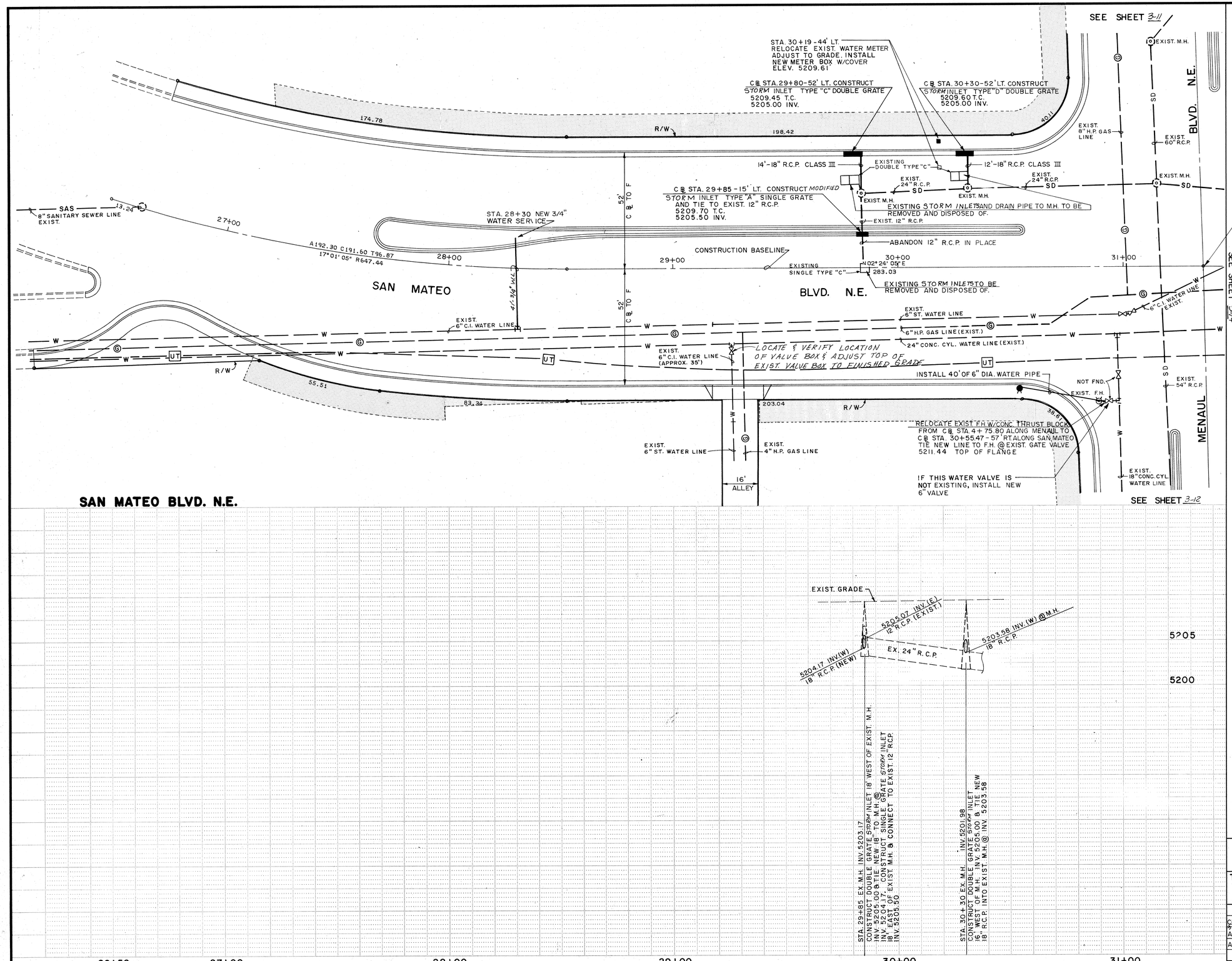
CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION
STA. 3+50 to STA. 9+00 MENAUL
STORM SEWER & UTILITIES PLAN & PROFILE

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 3/17/86 | Liquid Waste | | 12/2/85 |
| A.C.E.- Design | | 3/11/86 | Traffic | | 12/2/85 |
| A.C.E.- Hydrology | | 3/11/86 | Water | | 12/2/85 |

DRAWING NO. 2053 | MAP NO. H-17, H-18 | SHEET 3-12 OF 51

1 2 3 4 5 6 7 8 9 10 11 12
2 6 1 2 0 5 3 3 2 8 5




SCALE: Horz. 1"=20'
Vert. 1"=5'

NOTES

1. 3/4" WATER SERVICE LINE TO MEDIAN SHALL INCLUDE CURB STOP WITH 3/4" RISER AND CONCRETE PAD.

LEGEND

TEMPORARY CONSTRUCTION PERMIT

SAN MATEO BLVD. N.E.




STA. 29+85 EX. M.H. INV. 5203.17
CONSTRUCT DOUBLE GRATE STORM INLET 18' WEST OF EXIST. M.H.
INV. 5205.00 & TIE NEW 18" R.C.P. FROM M.H. @ INV. 5204.17
CONSTRUCT SINGLE GRATE STORM INLET 18' EAST OF EXIST. M.H. & CONNECT TO EXIST. 12" R.C.P. INV. 5205.50

STA. 30+30 EX. M.H. INV. 5201.98
CONSTRUCT DOUBLE GRATE STORM INLET 16' WEST OF M.H. INV. 5205.00 & TIE NEW 18" R.C.P. INTO EXIST. M.H. @ INV. 5203.58

26+50 27+00 28+00 29+00 30+00 31+00

AS BUILT INFORMATION

CONTRACTOR

| | DATE |
|---|---|
| WORK STARTED BY | |
| INSPECTOR'S ACCEPTANCE BY | DATE |
| AS-BUILT VERIFICATION BY | DATE |
| CORRECTED BY | DATE |

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

Brass Cap - STA 367-8
Located in median of San Mateo Blvd. N.E. 22' North of intersection with Cutler Ave. N.E.
Elev. 5204.26

SURVEY INFORMATION

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|

ENGINEER'S SEAL

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | |

DESIGNED BY C.C. DATE Apr. 1984
DRAWN BY R.L.B. DATE May 1984
CHECKED BY G.G. DATE July 1984

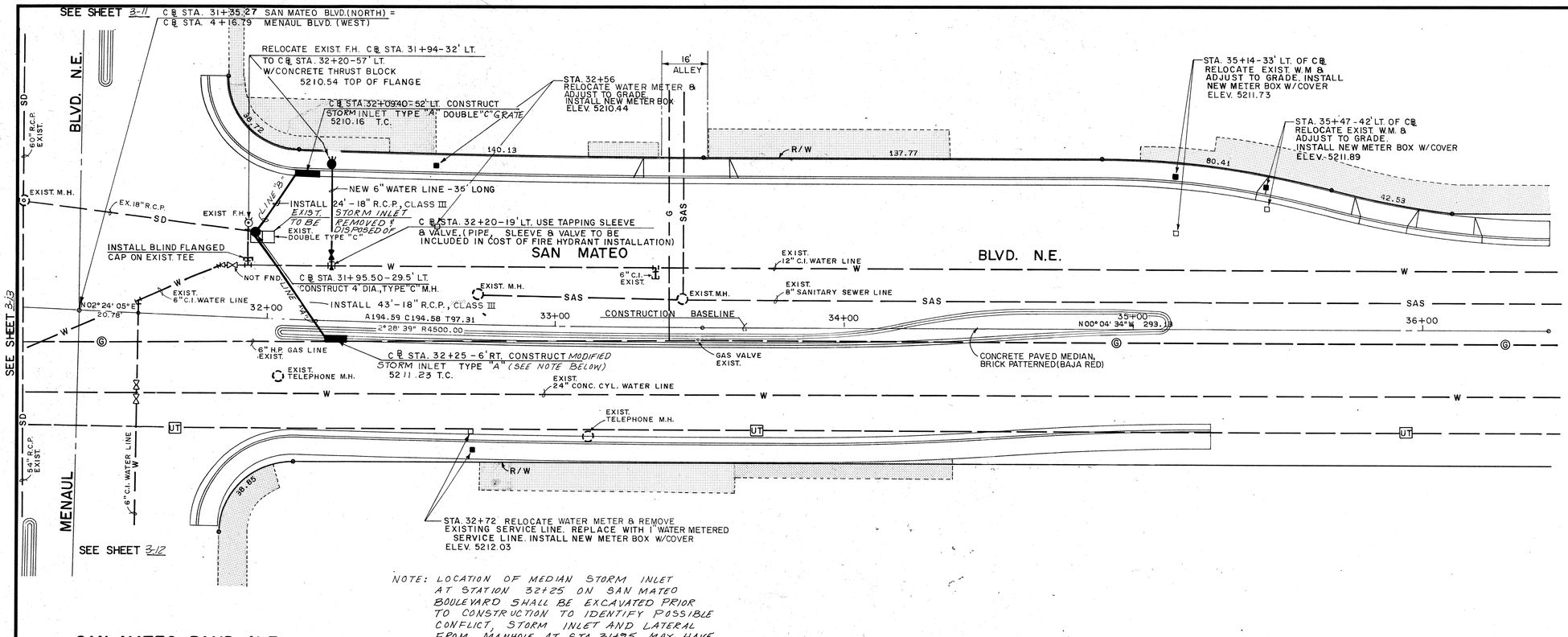
CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION
STA. 26+50 to STA. 31+00 SAN MATEO
STORM SEWER & UTILITIES PLAN & PROFILE

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 2/27/86 | Liquid Waste | | 12/18/85 |
| A.C.E.- Design | | 3/11/86 | Traffic | D.B. Parks | 12/16/85 |
| A.C.E.- Hydrology | | 3/11/86 | Water | | 12/18/85 |

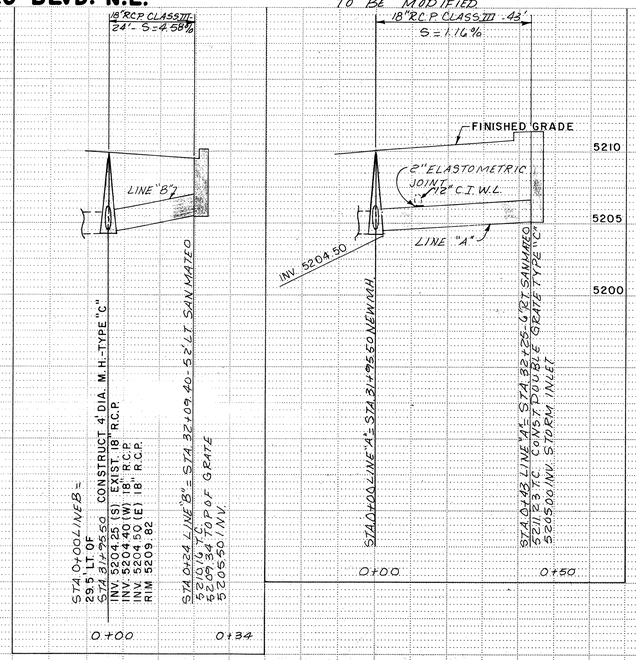
DRAWING NO. 2053
MAP NO. H-17, H-18
SHEET 3-13 OF 51

1 2 3 4 5 6 7 8 9 10 11 12
26 20533819




NOTE: LOCATION OF MEDIAN STORM INLET AT STATION 32+25 ON SAN MATEO BOULEVARD SHALL BE EXCAVATED PRIOR TO CONSTRUCTION TO IDENTIFY POSSIBLE CONFLICT, STORM INLET AND LATERAL FROM MANHOLE AT STA. 31+95 MAY HAVE TO BE MODIFIED.

## SAN MATEO BLVD. N.E.







34+00 35+00 36+00

SCALE: Horz. 1" = 20'
Vert. 1" = 5'

NOTES

1. 3/4" WATER SERVICE LINE TO MEDIAN SHALL INCLUDE CURB STOP WITH 3/4" RISER AND CONCRETE PAD.

LEGEND

TEMPORARY CONSTRUCTION PERMIT

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|

BENCH MARKS
Brass Cap - STA A/N 367-8
Located in median of San Mateo Blvd. N.E. 22' North of intersection with Cutler Ave. N.E.
Elev. 5204.36

AS BUILT INFORMATION

| | |
|---|---|
| CONTRACTOR | |
| WORK STARTED BY | DATE |
| INSPECTOR'S ACCEPTANCE BY | DATE |
| FIELD VERIFICATION BY | DATE |
| DRAWINGS CORRECTED BY | DATE |

MICRO-FILM INFORMATION

| | |
|---|---|
| RECORDED BY | DATE |
| NO. | |

ENGINEER'S SEAL

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | |

DESIGNED BY C.C. DATE Apr. 1984
DRAWN BY R.L.B. DATE May 1984
CHECKED BY G.G. DATE July 1984

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

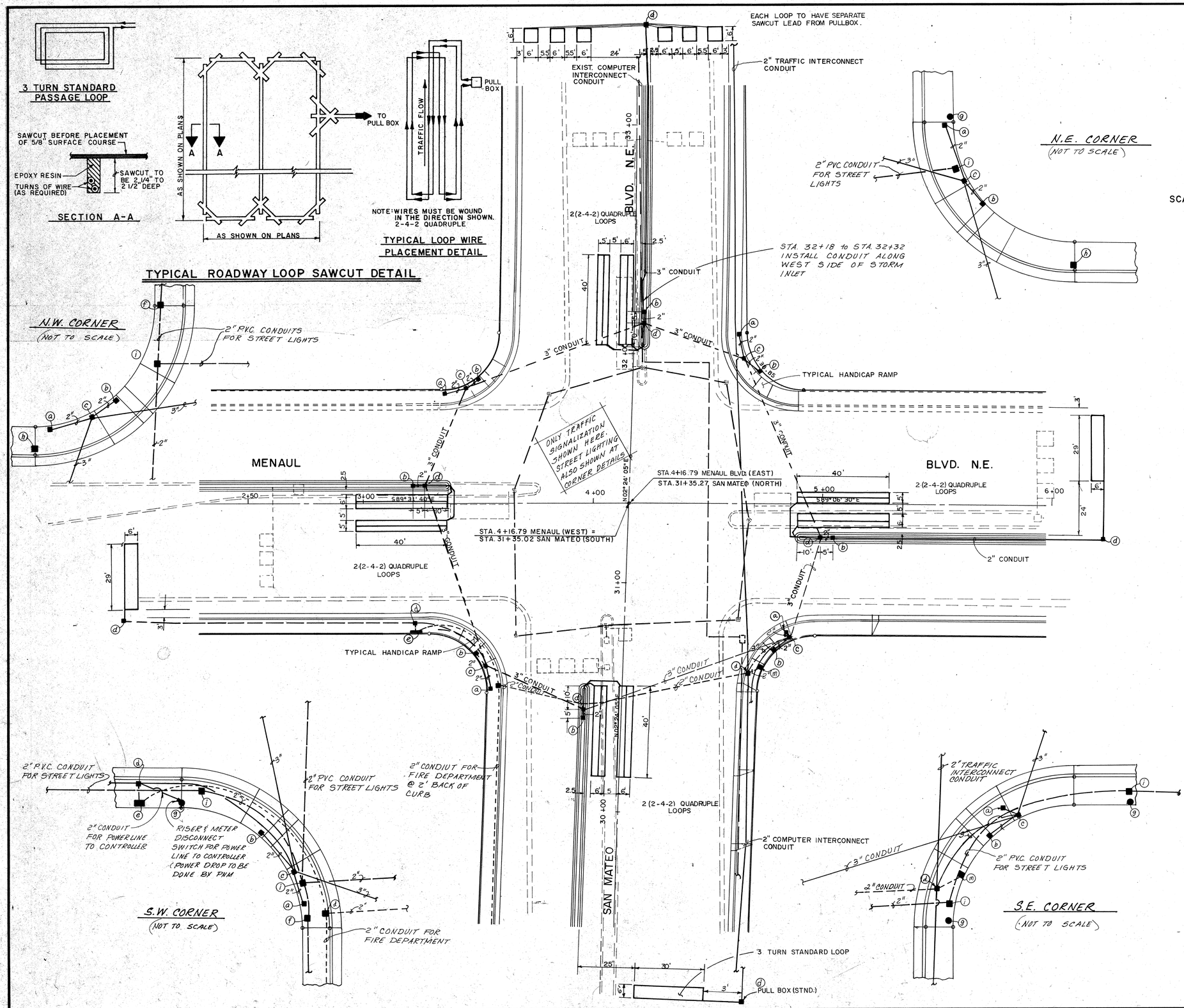
TITLE: SAN MATEO & MENAUL INTERSECTION
STA. 31+00 to STA. 36+00 SAN MATEO
STORM SEWER & UTILITIES PLAN & PROFILE

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | | Liquid Waste | | |
| A.C.E.- Design | | 3/14/86 | Traffic | D.O. Parks | 12/9/85 |
| A.C.E.- Hydrology | | 3/14/86 | Water | R. Rue | 12/3/85 |

DRAWING NO. 2053
MAP NO. H-17, H-18
SHEET 3-14 OF 51

1 2 3 4 5 6 7 8 9 10 11 12
26 | 2 | 0 | 5 | 3 | 3 | 4 | 8 | 5

## TYPICAL ROADWAY LOOP SAWCUT DETAIL




NOTES:

1. ALL CONDUIT TO BE PVC. SCHEDULE 40.
2. ALL TRAFFIC SIGNALIZATION SHOWN TO BE INSTALLED IN THIS PROJECT.
3. PULL WIRES SHALL BE INCLUDED IN ALL CONDUITS.
4. LOOP DETECTORS UNDER NEW P.C.C. CONC. PAVEMENT SHALL BE #14 STRAND XHHW WIRING WITH OUTSIDE SLIDING SLEEVE. WIRES SHALL BE WOUND AS SHOWN ON THE PLANS AND ARE TO BE HELD IN PLACE BY CORNER PINS DURING PLACEMENT OF CONCRETE. ALL LOOP INSTALLATIONS SHALL BE INSPECTED BY PROJECT MANAGER WHO WILL NOTIFY TRAFFIC ENGINEERING.
5. CONDUCTOR CABLES TO BE PROVIDED BY CITY AND TO BE INSTALLED BY CONTRACTOR.

CONSTRUCTION NOTES

(a) MAST ARM FOUNDATION TYPE II
(b) TRAFFIC SIGNAL PEDESTAL FOUNDATION
(c) PULL BOX (LARGE)
(d) PULL BOX (STANDARD)
(e) T-7-1 CONTROLLER FOUNDATION TYPE I
(f) STREET LIGHT BASE TYPE I
(g) WOOD POWER POLE & ANCHOR WITH STREET LIGHT BY OTHERS
(h) STREET LIGHT BASE (AERIAL FEED)
(i) ELECTRIC PULL BOX
(j) LARGE PULL BOX FOR INTERCONNECT CONDUIT
(k) CONSTRUCT SPLICE CABINET FOUNDATION FOR INTERCONNECT
(l) CONSTRUCT TRAFFIC SIGNAL MANHOLE
(m) SPLICE CABINET (GAYLORD)

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS
Brass Cap - STA. N.M. 362-8 Located in median of San Mateo Blvd. N.E. 22 North of intersection with Cutler Ave. N.E. Elev. 5204.26

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
INSPECTORS ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL

REVISIONS

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | DESIGNED BY City DATE May 1984 | |
| | | DRAWN BY R.L.B. DATE May 1984 | |
| | | CHECKED BY G.G. DATE Sept. 1984 | |

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

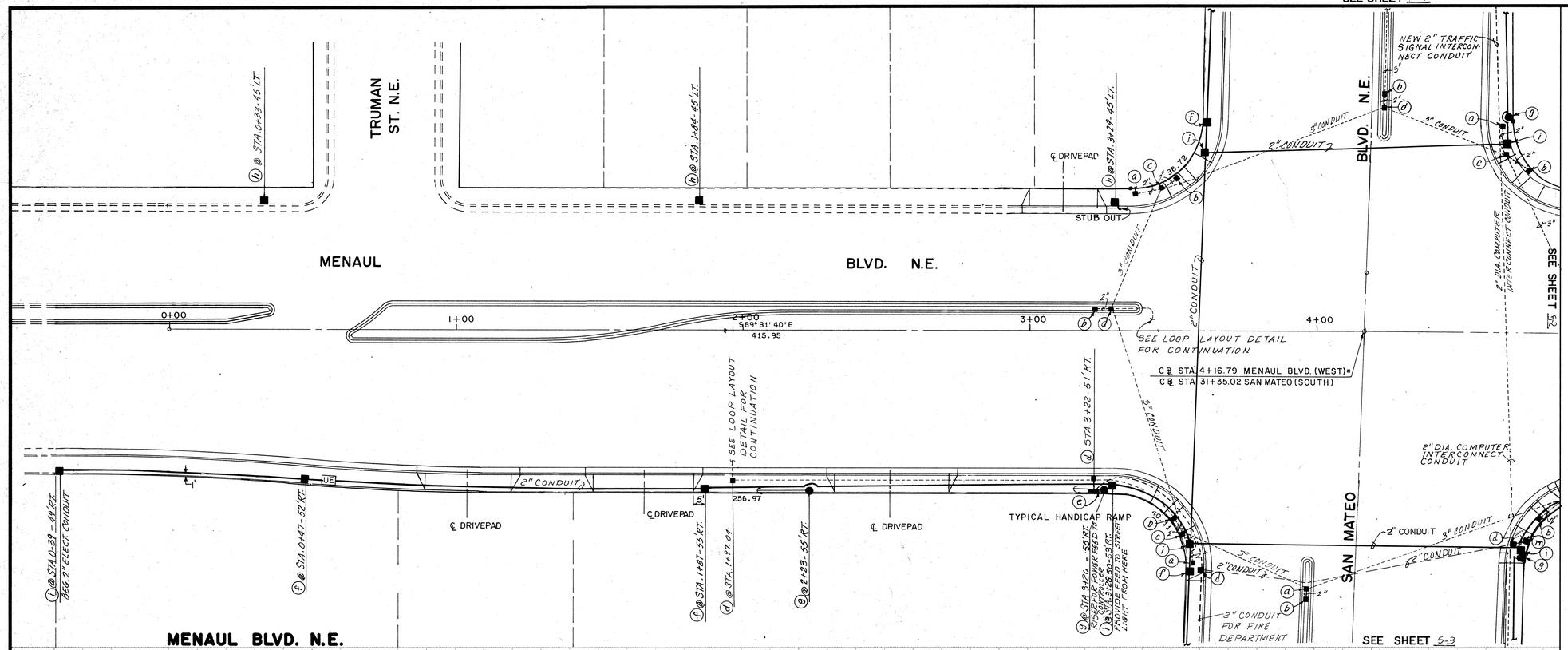
TITLE: SAN MATEO & MENAUL INTERSECTION
TRAFFIC SIGNALIZATION/INTERSECTION LAYOUT

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 3/17/86 | Liquid Waste | JA | 12/2/85 |
| A.C.E.- Design | | 3/14/86 | Traffic | BR | 12/2/85 |
| A.C.E.- Hydrology | | 3/14/86 | Water | D.A. Perkins N/A | 12/2/85 |
| | | | | RR | 12/2/85 |

DRAWING NO. 2053 | MAP NO. H-17, H-18 | SHEET 4-1 OF 51

1 2 3 4 5 6 7 8 9 10 11 12
26 | 2053 | 3 | 5 | 8 | 5

SEE SHEET 5-4




SCALE: Horz. 1"=20'
Vert. 1"=5'

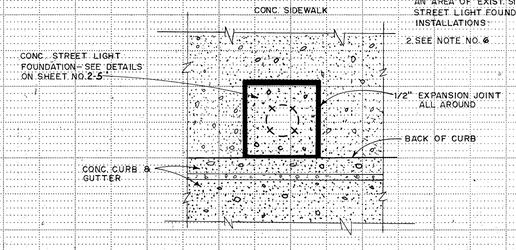
## GENERAL NOTES

1. ALL CONDUIT TO BE P.V.C. SCHEDULE 40.
2. ALL TRAFFIC SIGNALIZATION AND STREET LIGHTING SHOWN TO BE INSTALLED IN THIS PROJECT UNLESS OTHERWISE NOTED.
3. ALL STREET LIGHTING CONDUIT TO BE 2" DIAMETER.
4. ALL NEW COMPUTER CONDUITS TO BE IN PLACE BEFORE ANY REMOVALS OF EXISTING ACTIVE CONDUITS.
5. PULL WIRES SHALL BE INCLUDED IN ALL CONDUIT.
6. STREET LIGHTING ON NORTH SIDE OF MENAUL SHALL BE AERIAL FED.
7. SEE DETAILS ON SHEET NO. 2-5 FOR STREET LIGHT FOUNDATIONS.

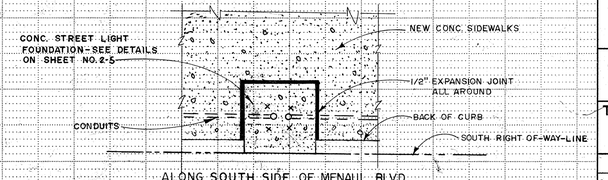
### CONSTRUCTION NOTES

(a) MAST ARM FOUNDATION TYPE II
(b) TRAFFIC SIGNAL PEDESTAL FOUNDATION
(c) PULL BOX (LARGE)
(d) PULL BOX (STANDARD)
(e) T-7-1 CONTROLLER FOUNDATION TYPE I
(f) STREET LIGHT BASE TYPE I
(g) WOOD POWER POLE & ANCHOR WITH STREET LIGHT BY OTHERS
(h) STREET LIGHT BASE (AERIAL FEED)
(i) ELECTRIC PULL BOX
(j) LARGE PULL BOX FOR INTERCONNECT CONDUIT
(k) CONSTRUCT SPLICE CABINET FOUNDATION FOR INTERCONNECT
(l) CONSTRUCT TRAFFIC SIGNAL MANHOLE

NOTE:
1. WHERE THERE ARE EXIST. CONC. SIDEWALKS, SAW CUT AND REMOVE AN AREA OF EXIST SIDEWALK FOR STREET LIGHT FOUNDATION INSTALLATIONS.
2. SEE NOTE NO. 6




ALONG NORTH SIDE OF MENAUL BLVD.
N.T.S.




ALONG SOUTH SIDE OF MENAUL BLVD.
N.T.S.

STREET FOUNDATION LOCATIONS

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY DATE
INSPECTOR'S FIELD REVIEW BY DATE
FIELD VERIFICATION BY DATE
DRAWING CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
Brass Cap - STA N.M. 367-8
Located in median of San Mateo Blvd. N.E. 22' North of intersection with Cutler Ave. N.E.
Elev. 5304.26

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGNED BY City DATE May 1984 | |
| | | DRAWN BY R.L.B. DATE May 1984 | |
| | | CHECKED BY G.G. DATE Sept 1984 | |

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

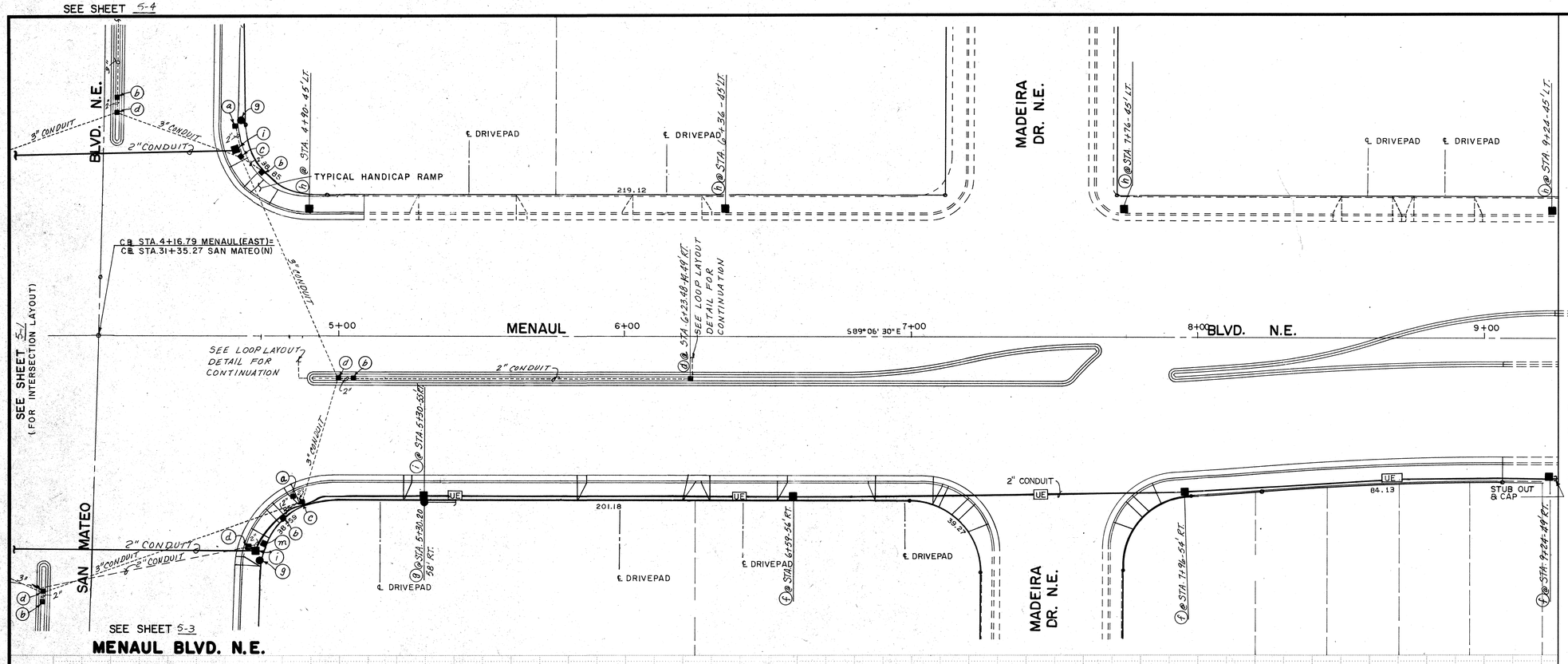
TITLE: SAN MATEO & MENAUL INTERSECTION
STA. 0-38 to STA. 4+00 MENAUL
TRAFFIC SIGNALIZATION & STREET LIGHTING

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 7/17/86 | Liquid Waste | N/A BR | 11/21/85 |
| A.C.E.- Design | | 3/11/86 | Traffic | D.O. Parks | 12/2/85 |
| A.C.E.- Hydrology | | 3/11/86 | Water | N/A BR | 11/21/85 |

DRAWING NO. 2053 | MAP NO. H-17, H-18 | SHEET 5-1 OF 51

1 2 3 4 5 6 7 8 9 10 11 12
26 2053 3 16 8 19

SEE SHEET 5-4



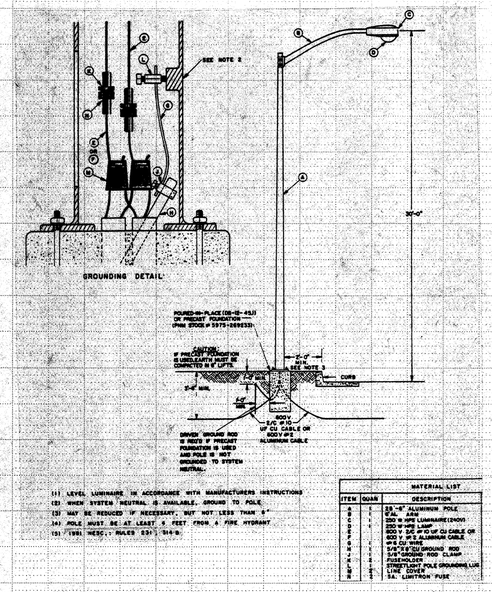

## GENERAL NOTES

1. ALL CONDUIT TO BE P.V.C. SCHEDULE 40.
2. ALL TRAFFIC SIGNALIZATION AND STREET LIGHTING SHOWN TO BE INSTALLED IN THIS PROJECT.
3. ALL STREET LIGHTING CONDUIT TO BE 2" DIAMETER.
4. ALL NEW COMPUTER CONDUITS TO BE IN PLACE BEFORE ANY REMOVALS OF EXISTING ACTIVE CONDUITS.
5. PULL WIRES SHALL BE INCLUDED IN ALL CONDUITS.
6. STREET LIGHTING ON NORTH SIDE OF MENAUL SHALL BE AERIAL FED.
7. SEE DETAILS ON SHEET 2-5 FOR STREET LIGHT FOUNDATIONS.

SEE SHEET 2-5 FOR STREET LIGHT FOUNDATION

## CONSTRUCTION NOTES

- (a) MAST ARM FOUNDATION TYPE II
- (b) TRAFFIC SIGNAL PEDESTAL FOUNDATION
- (c) PULL BOX (LARGE)
- (d) PULL BOX (STANDARD)
- (e) T-7-1 CONTROLLER FOUNDATION TYPE I
- (f) STREET LIGHT BASE TYPE I
- (g) WOOD POWER POLE & ANCHOR WITH STREET LIGHT BY OTHERS
- (h) STREET LIGHT BASE (AERIAL FEED)
- (i) ELECTRIC PULL BOX
- (j) LARGE PULL BOX FOR INTERCONNECT CONDUIT
- (k) CONSTRUCT SPLICE CABINET FOUNDATION FOR INTERCONNECT
- (l) CONSTRUCT TRAFFIC SIGNAL MANHOLE

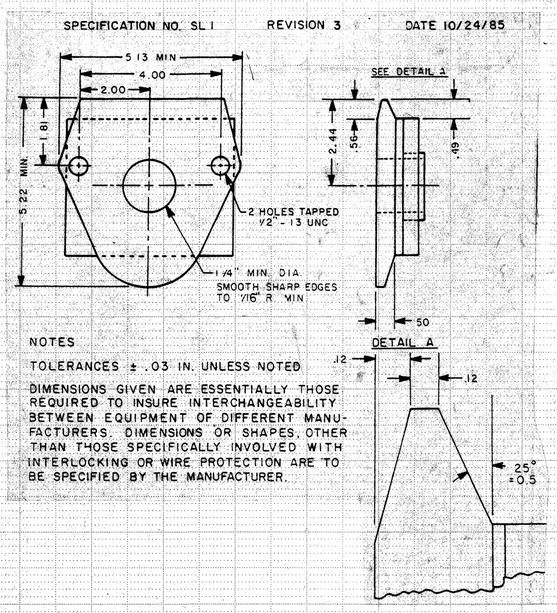



MATERIAL LIST

| ITEM | QUAN | DESCRIPTION |
|---|---|---|
| A | 1 | 25'-6" ALUMINUM POLE W.A. 220 |
| B | 1 | 250 W HPS LUMINAIRE(ENOV) |
| C | 1 | 250 W HPS LAMP |
| D | 1 | 600 V. 2#6 #10 GI CU CABLE OR 600 V. #4 AL ALUMINUM CABLE |
| E | 1 | 4'-6" x 1/2" GROUND ROD |
| F | 1 | 5/8" GROUND ROD CLAMP |
| G | 1 | FUSEHOLDER |
| H | 1 | STREETLIGHT POLE GROUNDING LUG |
| I | 1 | LINE COVER |
| J | 2 | 5A. "LIMITRON" FUSE |

240/480 V UNDERGROUND FED ARTERIAL STREETLIGHT

SPECIFICATION NO. SL I REVISION 3 DATE 10/24/85



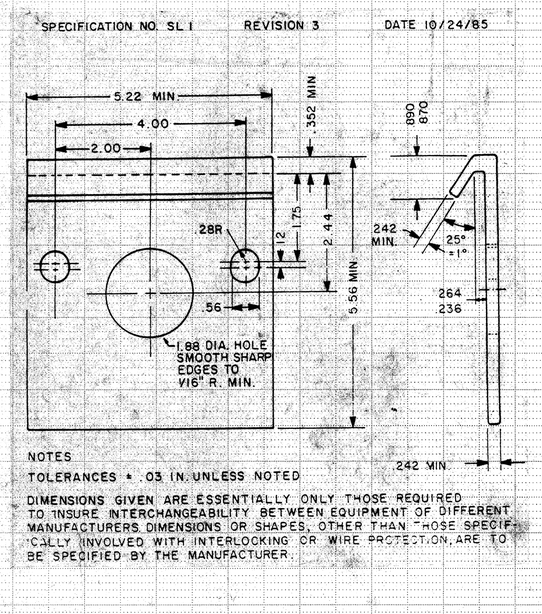

NOTES

TOLERANCES ± .03 IN. UNLESS NOTED

DIMENSIONS GIVEN ARE ESSENTIALLY THOSE REQUIRED TO INSURE INTERCHANGEABILITY BETWEEN EQUIPMENT OF DIFFERENT MANUFACTURERS. DIMENSIONS OR SHAPES, OTHER THAN THOSE SPECIFICALLY INVOLVED WITH INTERLOCKING OR WIRE PROTECTION ARE TO BE SPECIFIED BY THE MANUFACTURER.

SHAFT PLATE DETAIL

SPECIFICATION NO. SL I REVISION 3 DATE 10/24/85




NOTES

TOLERANCES ± .03 IN. UNLESS NOTED

DIMENSIONS GIVEN ARE ESSENTIALLY ONLY THOSE REQUIRED TO INSURE INTERCHANGEABILITY BETWEEN EQUIPMENT OF DIFFERENT MANUFACTURERS. DIMENSIONS OR SHAPES, OTHER THAN THOSE SPECIFICALLY INVOLVED WITH INTERLOCKING OR WIRE PROTECTION, ARE TO BE SPECIFIED BY THE MANUFACTURER.

ARM PLATE DETAIL

4+00 5+00 6+00 7+00 8+00 9+00

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
FIELD INSPECTION BY — DATE
ACCEPTANCE — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

BENCH MARKS
Brass Cap - STA. 1+00 Mon. 367-8
Located in median of San Mateo Blvd. N.E. 22' North of intersection with Cutler Ave. N.E.
Elev. 5204.26

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|

ENGINEER'S SEAL

| NO. | DATE | REVISIONS | BY |
|---|---|---|---|
| | | DESIGN | C.H. May 1984 |
| | | DRAWN | RLB May 1984 |
| | | CHECKED | GG Sept 1984 |

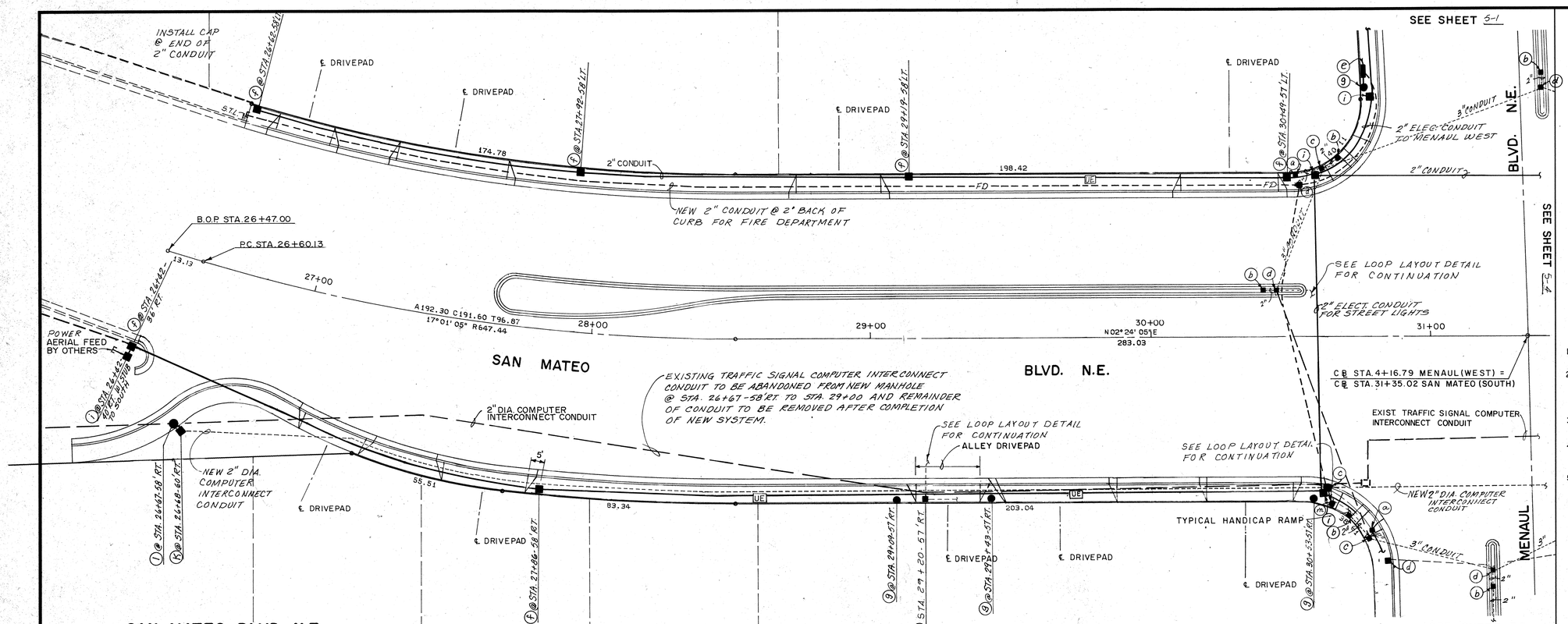
CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION
STA. 4+00 to STA. 9+00 MENAUL
TRAFFIC SIGNALIZATION & STREET LIGHTING

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 3/11/86 | Liquid Waste | N/A QR | 12/12/85 |
| A.C.E.- Design | | 3/11/86 | Traffic | D.G. Parks | 12/20/85 |
| A.C.E.- Hydrology | | 3/11/86 | Water | N/A RR | 12/12/85 |

DRAWING NO. 2053 MAP NO. H-17, H-18 SHEET 5-2 OF 51

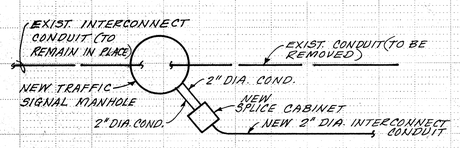
1 2 3 4 5 6 7 8 9 10 11 12
261 205B 37859




SCALE: Horz. 1"=20'
Vert. 1"= 5'

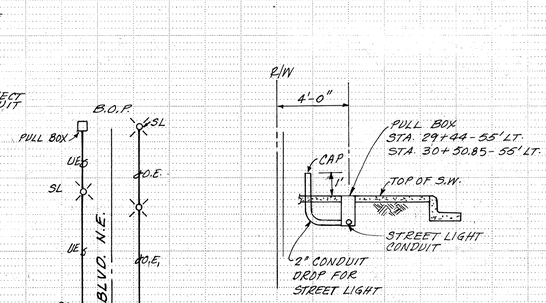
## GENERAL NOTES

1. ALL CONDUIT TO BE P.V.C. SCHEDULE 40.
2. ALL TRAFFIC SIGNALIZATION AND STREET LIGHTING SHOWN TO BE INSTALLED IN THIS PROJECT UNLESS OTHERWISE NOTED.
3. ALL STREET LIGHTING CONDUIT TO BE 2" DIAMETER.
4. ALL NEW COMPUTER CONDUITS TO BE IN PLACE BEFORE ANY REMOVALS OF EXISTING ACTIVE CONDUITS.
5. PULL WIRES SHALL BE INCLUDED IN ALL CONDUITS
6. INTERCONNECT CONDUIT TO BE 12" BELOW STREET LIGHT CONDUIT AT CROSSING.
7. SEE DETAILS ON SHT. 2-5 FOR STREET LIGHT FOUNDATIONS.

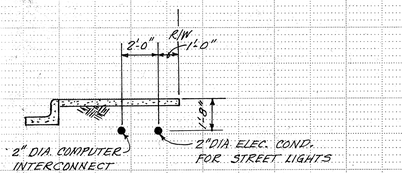



PLAN VIEW

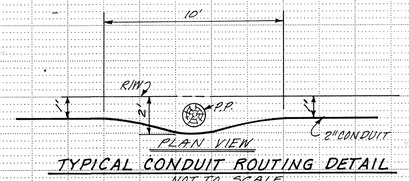
### SPLICE CABINET LOCATION
NOT TO SCALE




### POWER LINE DROP DETAIL
NOT TO SCALE

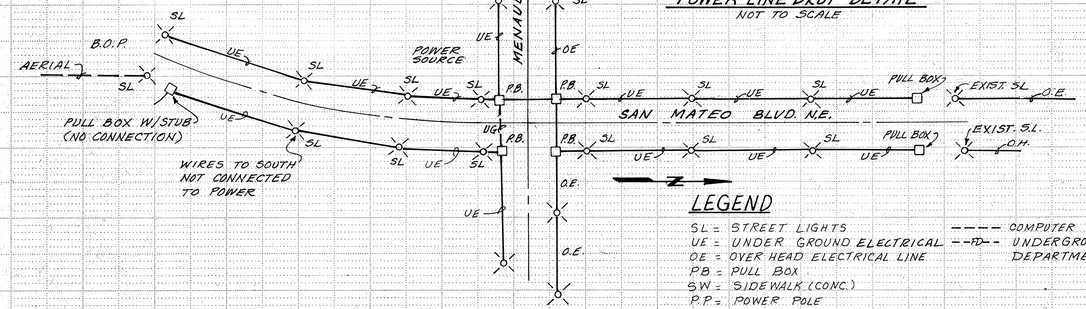



### TYPICAL CONDUIT LOCATION DETAIL
NOT TO SCALE




PLAN VIEW

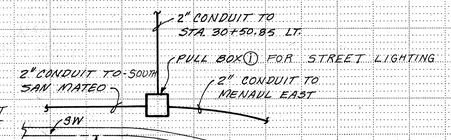
### TYPICAL CONDUIT ROUTING DETAIL
NOT TO SCALE




### STREET LIGHTING SCHEMATIC
NOT TO SCALE

### LEGEND

SL = STREET LIGHTS
UE = UNDER GROUND ELECTRICAL
OE = OVER HEAD ELECTRICAL LINE
P.B. = PULL BOX
S.W. = SIDEWALK (CONC.)
P.P. = POWER POLE
----- COMPUTER INTERCONNECT CONDUIT
--D-- UNDERGROUND CONDUIT FOR FIRE DEPARTMENT




### STREET LIGHTING DETAIL (PULL BOX@STA. 30+61)
NOT TO SCALE

### CONSTRUCTION NOTES

(a) MAST ARM FOUNDATION TYPE II
(b) TRAFFIC SIGNAL PEDESTAL FOUNDATION
(c) PULL BOX (LARGE)
(d) PULL BOX (STANDARD)
(e) T-7-1 CONTROLLER FOUNDATION TYPE I
(f) STREET LIGHT BASE TYPE I
(g) WOOD POWER POLE & ANCHOR WITH STREET LIGHT BY OTHERS
(h) STREET LIGHT BASE (AERIAL FEED)
(i) ELECTRIC PULL BOX
(j) LARGE PULL BOX FOR INTERCONNECT CONDUIT
(k) CONSTRUCT SPLICE CABINET FOUNDATION FOR INTERCONNECT
(l) CONSTRUCT TRAFFIC SIGNAL MANHOLE
(m) SPLICE CABINET (GAVLORD)

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
Brass Cap - STA. N.M. 367-8
Located in median of San Mateo Blvd. N.E. 22' North of intersection with Cutler Ave. N.E.
Elev. 5204.26

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEER'S SEAL

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | |

DESIGNED BY City DATE May 1984
DRAWN BY RLB DATE May 1984
CHECKED BY G.G. DATE Sept. 1984

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION
STA. 26+50 to STA. 31+00 SAN MATEO
TRAFFIC SIGNALIZATION & STREET LIGHTING

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 3/17/86 | Liquid Waste | N/A AP | 11/25/85 |
| A.C.E.- Design | | 3/14/86 | Traffic | D.O. Parks | 12/2/85 |
| A.C.E.- Hydrology | | 3/14/86 | Water | N/A AP | 11/25/85 |

DRAWING NO. 2053
MAP NO. H-17, H-18
SHEET 5-3 OF 51

26 | 20533885

SEE SHEET 5-1

SEE SHEET 5-3

SEE SHEET 5-2

SAN MATEO BLVD. N.E.

MENAUL BLVD. N.E.

SAN MATEO BLVD. N.E.

TYPICAL HANDICAP RAMP

2" CONDUIT

3" CONDUIT

140.13

137.77

℄ DRIVEPAD

@ STA. 32+07.38 LT.

@ STA. 33+69.57 LT.

@ STA. 35+02.38 LT.

@ STA. 35+24.33 LT.

@ STA. 35+35.40 LT.

@ STA. 36+42.37 34 LT.

@ STA. 36+43.28 29 LT.

80.41

42.53

34.13

EXIST. ST. LT.

CONNECT TO EXIST. INTERCONNECT CONDUIT AS SHOWN BELOW

NEW 2" COMPUTER INTERCONNECT CONDUIT

2-2" DIAMETER CONDUITS

CB STA. 4+16.79 MENAUL (W) =
CB STA. 31+35.27 SAN MATEO (N)

N02° 24' 05" E
20.78

32+00

33+00

34+00

35+00

36+00

A194.59 C194.58 T97.31
2° 28' 39" R4500.00

N00° 04' 34" W
293.13

SEE LOOP LAYOUT DETAIL FOR CONTINUATION

@ STA 33+41.64 43 RT.

EXIST. TRAFFIC SIGNAL COMPUTER INTERCONNECT CONDUIT

NEW 2" COMPUTER INTERCONNECT CONDUIT

2" ELECTRIC CONDUIT FOR STREET LIGHTS

NEW 2" TRAFFIC SIGNAL INTERCONNECT CONDUIT

EXIST. STREET LIGHT

@ STA 32+12.46 RT.

@ STA 32+88.42 RT.

@ STA 33+52.42 RT.

@ STA 34+65.43 RT.

@ STA 34+70.45 RT.

@ STA 35+49.39 RT.

38.85

31+50

32+00

33+00

34+00

35+00

36+00

NEW 2" CONDUIT TO TRAFFIC SIGNAL MANHOLE

@ STA 36+43.28 29' LT.

EXISTING INTERCONNECT CONDUIT

## INTERCONNECT CONNECTION DETAIL

NOT TO SCALE

NOTE: FINAL CONNECTION TO EXIST. INTERCONNECT TO BE MADE AFTER NEW CONDUIT HAS BEEN COMPLETELY INSTALLED.

SCALE: Horz. 1" = 20'
Vert. 1" = 5'

## GENERAL NOTES

1. ALL CONDUIT TO BE P.V.C. SCHEDULE 40.
2. ALL TRAFFIC SIGNALIZATION AND STREET LIGHTING SHOWN TO BE INSTALLED IN THIS PROJECT.
3. ALL STREET LIGHTING CONDUIT TO BE 2" DIAMETER.
4. ALL NEW COMPUTER CONDUIT TO BE IN PLACE BEFORE ANY REMOVALS OF EXISTING ACTIVE CONDUITS.
5. PULL WIRES SHALL BE INCLUDED IN ALL CONDUITS.
6. INTERCONNECT CONDUIT TO BE 12" BELOW STREET LIGHT CONDUIT AT CROSSING.
7. SEE DETAILS ON SHT. 25 FOR STREET LIGHT FOUNDATIONS.

## CONSTRUCTION NOTES

(a) MAST ARM FOUNDATION TYPE II
(b) TRAFFIC SIGNAL PEDESTAL FOUNDATION
(c) PULL BOX (LARGE)
(d) PULL BOX (STANDARD)
(e) T-7-1 CONTROLLER FOUNDATION TYPE I
(f) STREET LIGHT BASE TYPE I
(g) WOOD POWER POLE & ANCHOR WITH STREET LIGHT BY OTHERS
(h) STREET LIGHT BASE (AERIAL FEED)
(i) ELECTRIC PULL BOX
(j) LARGE PULL BOX FOR INTERCONNECT CONDUIT
(k) CONSTRUCT SPLICE CABINET FOUNDATION FOR INTERCONNECT
(l) CONSTRUCT TRAFFIC SIGNAL MANHOLE

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
INSPECTORS DATE
FIELD ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE

BENCH MARKS
Brass Cap - STA N.M. 367-8
located in median of San Mateo Blvd. N.E. 22' North of intersection with Cutler Ave. N.E.
Elev. 5204.26

SURVEY INFORMATION
FIELD NOTES

| NO. | DATE | BY |
|---|---|---|

ENGINEER'S SEAL

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

| NO. | DATE | REMARKS |
|---|---|---|
| | | REVISIONS |
| | | DESIGN |

DESIGNED BY C.H. DATE May 1984
DRAWN BY R.L.B. DATE May 1984
CHECKED BY C.G. DATE Sept 1984

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION
STA. 31+50 to STA. 36+00 SAN MATEO
TRAFFIC SIGNALIZATION & STREET LIGHTING

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | [signature] | 3/17/86 | Liquid Waste | N/A GR | 11/21/85 |
| A.C.E.- Design | [signature] | 3/11/86 | Traffic | D.O. Peña | 12/12/85 |
| A.C.E.- Hydrology | [signature] | 3/11/86 | Water | N/A GR | 11/21/85 |

DRAWING NO. 2053
MAP NO. H-17, H-18
SHEET 5-4 OF 51

1 2 3 4 5 6 7 8 9 10 11 12
216 210533918 5 7

## SAN MATEO AND MENAUL INTERSECTION

Prior to the beginning of reconstruction of the intersection, the following items need to be completed. A number of these items require significant lead times:

1. New computer conduits, pull boxes, manholes, and splice cabinet foundations are to be installed complete in place. The conduits shall be placed at minimum depths of 30" below finished grades. City of Albuquerque Traffic Engineering will remove existing cables within the~~exist~~ conduits, and place the cables within the new conduits, and make the necessary cable connections to keep the computer communication to the intersection operational.
2. Construct new controller cabinet foundation at the southwest corner and provide conduit to the temporary span wire system.
3. Construct new street light foundations and install street lighting conduits as detailed in the plans. Street lights are~~is~~operational on one side of street and shall be coordinated with the Public Service Company of New Mexico.
4. Temporary span wire signal system shall be complete in place and operational. Traffic Engineering will remove existing Mastarms and signal poles.

## TEMPORARY SPAN WIRE SIGNAL SYSTEM

All coordinations with Chris Carnahan, Albuquerque Traffic Engineering Division, Phone No. 823-4008, shall be through Project Manager for approvals of Traffic Signal installations and signal head placements.

MATERIALS

The Contractor shall provide all of the items necessary as detailed including cables, meter bases, pedestrian signal heads and pole brackets, pedestrian signal push buttons and disconnect boxes. The Contractor shall pick up all materials that are to be supplied by the City from the City Yards at Traffic Engineering, Building B, Pino Avenue, N. E. Upon removal of temporary signal items, the Contractor shall deliver these signal items back to the same building.

CONSTRUCTION REQUIREMENTS

The Contractor shall install all items shown in the plans as detailed. The Contractor shall meet with the City of Albuquerque Traffic Engineering Division to establish the wiring plans and requirements for the signal heads, controller cabinet, and connections to the meter for power. Wiring is to accommodate the separation of phases, separate pedestrian movements, through movements, turn movements and pedestrian detection. Most signal heads (functions) will have to be independently wired to the controller to accommodate for independent movement of signal heads back and forth on the span wire.

Upon completion of the Span Wire System and wiring, the Contractor shall notify Traffic Engineering to complete the hook up of the controller, obtain the necessary electrical inspection, and notify the Public Service Company of New Mexico to provide the electrical power connection; contact Steve Casey, Phone No. 848-4460. The maintenance of the span wire signal system and for positioning of the heads at each phase prior to beginning construction on a new phase, SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

MOVING SIGNAL HEADS AND ADJUSTING CONTROLLER PHASING BETWEEN CONSTRUCTION SEQUENCES SHALL BE DONE AT NIGHT OR DURING OFF-PEAK TRAFFIC HOURS ONLY. CONTRACTOR SHALL PROVIDE FOUR-WAY STOP CONTROL USING FLASHING BEACONS AND FLAGMAN FOR DIRECTING TRAFFIC THROUGH THE INTERSECTION DURING THESE PHASES. ALBUQUERQUE TRAFFIC ENGINEERING DIVISION SHALL ADJUST CONTROLLER PHASING FOR EACH CONSTRUCTION SEQUENCE.

Upon completion of the roadway construction and installation of the permanent traffic control equipment, the Contractor shall remove the temporary span wire system and return the traffic signal equipment to the Traffic Engineering Division.

MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES REQUIREMENTS

All signal equipment shall be positioned in accordance with the Manual on Uniform Traffic Control Devices, 1978 Edition.

## CONSTRUCTION SEQUENCE

The following sequences of construction activities under Phases 1, 2, 3 and 4 are to be performed between 7:00 PM and 6:00 AM along the exterior widened lanes as shown on construction sequence plans.

Construction work procedures are recommended to be accomplished in the following manner:

1. Before commencing Phase II on Menaul Boulevard and Phase V on San Mateo Boulevard, remove existing medians from Sta. 0+00 to Sta. 9+25 on Menaul, and from Sta. 27+65 to Sta. 34+67 on San Mateo and replace with temporary asphalt pavement. Temporary striping should be installed so that traffic can be diverted on to these lanes.

2. Excavate and verify locations of all obstructions and notify the engineer of any conflicts the following work day.

3. Install and extend all permanent underground conduits, bases, poles and other appurtenances for all new traffic signals and any temporary underground conduits required for traffic signal operations during construction. All removal of traffic equipment and installation of new equipment and conduits are to be coordinated with City Traffic Engineer.

4. All new street light bases, poles, lights, new underground conduits and extensions for any temporary street lights for nighttime construction activities are to be installed prior to any removal of existing street lights and in coordination with electric company.

5. All clearing, grubbing, removal of other existing obstruction including pipelines, utility service lines, concrete sidewalks, drivepads, slabs, foundations and parking pads that are within construction work areas are to be removed as indicated on drawings.

6. RELOCATE, EXTEND AND INSTALL ALL NEW STORM DRAINAGE AND WATER LINE FACILITIES. ADJUST OR RELOCATE OTHER EXISTING UTILITY LINES THAT ARE CONFLICTING WITH NEW IMPROVEMENTS. ALL UNDERGROUND STRUCTURES AND CONDUITS SHOULD BE COMPLETE IN PLACE WITH BACKFILL AND PAVEMENT PATCHES IN PLACE.

   GAS AND UNDERGROUND TELEPHONE LINES THAT REQUIRE ADJUSTMENTS ARE TO BE DONE BY OTHERS.

   CONTRACTOR SHALL NOTIFY PROJECT MANAGER IMMEDIATELY AS TO WHICH UTILITY LINES ARE TO BE ADJUSTED OR RELOCATED, SO THAT PROPER UTILITY OWNERS CAN BE NOTIFIED TO DO THE NECESSARY WORK CONCURRENTLY.

7. **After all new underground utility lines and drainage facilities are installed and the existing underground utility lines are relocated, adjusted or extended, new concrete curb and gutter, sidewalks and driveways can be constructed as indicated on plans.**

8. **Open graded friction course should be placed at the very end of the project to eliminate removal markings, etc.**

9. **New portland cement concrete and asphalt paving operations can proceed within the new widened lanes. Finished top of new pavement should match with the existing top of pavement and temporary striping should be installed so that traffic can be diverted on to these new lanes during median reconstruction.**

10. **Work consisting of asphalt overlay paving operations within the designated work areas is recommended to immediately proceed and follow the milling operations.**

PHASES IV AND VII - MEDIAN RECONSTRUCTION

Some of the following work may be required to be performed between 7:00 PM and 6:00 AM:

1. Install complete in place all new traffic signal foundations, bases, poles and all other appurtenances in coordination with City Traffic Department.

2. Extend, modify or adjust existing catch basins and drainage facilities.

3. Reconstruct new concrete curb and gutter and repave traffic areas with asphalt and concrete medians as indicated on plans.

PART II

After complete installation of all new traffic loop detectors within new pavement, apply open-graded friction course to all four quadrant areas as shown in plans.

LIMITATIONS ON CONSTRUCTION HOURS

1. It is the intent of the Construction Sequence Plan to provide a free flowing intersection as much as possible during the construction period.

2. Where applicable, barricades and signs shall be removed during periods when the Contractor is not working. Such removals and replacement of barricades and signs shall be considered incidental to construction and no separate payment shall be made.

3. Except as noted in plans, Portland cement concrete pavement and curb and gutter may be placed between 6:00 AM and 7:00 PM as long as additional lane closures are not needed.

4. The total construction time anticipates a seven day work week by the Contractor with two shifts per day at times.

5. Those items of work that can be done at night shall be accomplished between 7:00 PM and 6:00 AM. The Contractor shall provide adequate temporary lighting for construction operations and the safety of the workers. Provision of lighting shall be considered incidental to construction and no separate payment shall be made.

## GENERAL NOTES FOR TRAFFIC CONTROL

1. All traffic control devices shall comply with Chapter VI of the 1978 edition of the "Manual for Uniform Traffic Control Devices."

2. The Contractor shall prepare construction schedules in accordance with the specifications.

3. Unless otherwise provided as part of the construction documents, the Contractor shall prepare and submit to the Project Manager a detailed traffic control plan. For approval in coordination with the City Traffic Engineer, 3 working days in advance of any required closures.

4. Contractor shall notify the following services 24 hours in advance of any complete closures: Police Department, Fire Department, Ambulance Services, and the Transit Department.

5. Permits to barricade or detour traffic must be obtained for each phase of construction through the Project Manager's office at least 24 hours in advance of construction activities.

6. All advance warning signs and barricades must be installed before construction begins as directed by the Project Manager.

7. All sign locations will be selected in the field and approved by the Project Manager.

8. All advance warning signs shall be 48" x 48" minimum.

9. All advance warning signs not directly applicable shall be removed, completely covered or turned away from oncoming traffic.

10. All signs will be ground mounted on single or double posts with the bottom of the sign 7 feet above sidewalk level. Existing posts may be used at some locations, with the approval of the Project Manager. Portable sign supports will be acceptable as an alternate for signs which are in place for less than 1 week.

11. All existing regulatory signs that need to be removed, relocated or reinstalled shall be done by the City of Albuquerque Traffic Engineering Division. The Contractor shall notify the Project Manager 3 working days in advance of any required work.

12. Traffic control devices required after dark are to be equipped with warning lights. Type (A) flashing warning lights shall be used on all advance warning signs and on all devices which are intended to warn motorists or pedestrians of hazards or obstructions in or near the travel path. Type (C) steady burn lights shall be used on all devices which are intended to define the travel path.

13. All signs, barricades and/or barrels will be reflectorized. All barrels may have sand limited to 100 lbs.

14. All signs, barricades and/or barrels will be moved forward as the construction progresses (where applicable).

15. CONTRACTOR IS RESPONSIBLE FOR BARRICADING AND SHALL INSPECT AND MAINTAIN ALL BARRICADES AT ALL TIMES INCLUDING INSPECTION DURING HOURS OF DARKNESS.

16. Barrels and barricades are not to be intermixed in the same series of channelization. Contractor to maintain any or all barricades immediately as requested by P.M.

17. Excavations must be plated or patched prior to opening to traffic.

18. A minimum width of 11 feet shall be provided for traffic in one direction.

19. Equipment and materials are not to be stored within the street right-of-way during non-working hours.

20. The Contractor shall maintain access to business and residences adjacent to the construction area.

21. The Contractor shall provide and maintain a safe and adequate means of channelizing pedestrian traffic around all work areas throughout the period of construction. All such channelization shall be arranged to prevent pedestrians from having to enter the roadway in order to pass around the work areas.

22. The Contractor shall be required to keep the public informed, through the Albuquerque Journal and Tribune at least 24 hours in advance of construction operations involving street or lane closures, and shall provide the Project Manager documented proof that this has been done. City Traffic Engineer will be notified by Project Manager.

23. Contractor shall assume responsibility to coordinate all work by others, including utility companies.

24. The Contractor shall comply with the Albuquerque/Bernalillo County Air Pollution Control Regulations.

25. 50:1 asphalt tapers must be provided for traffic at all points where grade differences exist between existing pavement and new pavement.

26. Contractor shall maintain barricade islands on Menaul and San Mateo preventing double left turn lanes until the completion of the intersection.

27. At the start of the project, the Contractor shall erect and maintain motorist advisory signs 400 feet South of Indian School on San Mateo for North bound traffic, 400 feet North of Candelaria on San Mateo for South bound traffic, and 400 feet East of San Pedro on Menaul for West bound traffic. The signs shall read 6" x 5 inch Letters, "ROAD CONSTRUCTION AT SAN MATEO AND MENAUL, USE ALTERNATE ROUTE TO AVOID DELAYS NO TRUCK TRAFFIC ALLOWED".

28. Except as noted herein Contractor shall maintain two through lanes and one left-turn lane in all four directions which must be maintained throughout the duration of the project, except from 7 P.M. to 6 A.M. when only one through lane and one turn lane are required.

29. A required temporary span wire traffic signal system is to be installed prior to start of the reconstruction of the intersection. Construction work is not to start until the span wire signal system is installed, working and the existing signal system has been removed by City forces. The Contractor may close one lane on Menaul and one lane on San Mateo from 9 A.M. to 4 P.M. in order to install the signal system (See Sheet 6-6).

30. All permanent and temporary pavement markings shall comply with part III of the 1978 edition of the "Manual on Uniform Traffic Control Devices".

31. All words and symbol markings on the pavement surfaces shall be in conformance with the standard Alphabets for Highway signs and pavement markings.

32. TEMPORARY SIGNALIZATION WILL BE FIXED-TIME SIGNALS AND SIGNAL TIMING TO BE SET BY TRAFFIC ENGINEER.

SURVEY INFORMATION — FIELD NOTES

| NO. | BY | DATE |
|---|---|---|

BENCH MARKS

Brass Cap - STA. M.M. 367-8
Located in median of San Mateo Blvd. N.E.
22' North of intersection with Cutler Ave., N.E.
Elev. 5204.26

AS BUILT INFORMATION

CONTRACTOR

| | |
|---|---|
| WORK STAKED BY | DATE |
| INSPECTED BY | |
| ACCEPTANCE BY | DATE |
| FIELD VERIFICATION BY | |
| DRAWINGS CORRECTED BY | DATE |

MICRO-FILM INFORMATION

RECORDED BY — DATE

NO.

ENGINEER'S SEAL



| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | DATE 8-24-85 |
| | | DESIGNED BY R.M | DATE 8-27-85 |
| | | DRAWN BY B.J.G | DATE 8-27-85 |
| | | CHECKED BY C.G. | |

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION
CONSTRUCTION SEQUENCE NOTES &
GENERAL NOTES FOR TRAFFIC CONTROL

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 3/17/86 | Liquid Waste | N/A BR | 12/5/85 |
| A.C.E.- Design | | 3/11/86 | Traffic | D.O. Parker | 12/5/85 |
| A.C.E.-Hydrology | | 3/14/86 | Water | N/A BR | 12/5/85 |

DRAWING NO. 2053 | MAP NO. H-17, H-18 | SHEET 6-1 OF 51

1 2 3 4 5 6 7 8 9 10 11 12
26 2 0 5 3 4 0 6 5

| SIGN CODE | Nº OF SIGNS | TOTAL SIGN AREA SQ. FT. | POST LENGTHS | | | | MOUNTING REQUIREMENTS | | | | | | BASE-POSTS | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | FLANGED CHANNEL | | | DRIVEDOWN POSTS 0.1345 THICK | | PORTABLE SIGN SUPPORT | | |
| | | | LEFT | CTR. | RIGHT | TOTAL | 2.25 Lb/Ft. | 3.00 Lb/Ft. | 4.00 Lb/Ft. | 2 3/16" X 2 3/16" | 2 1/2" X 2 1/2" | | Nº | TOTAL LENGTH |
| PHASE I & II | | | | | | | | | | | | | | |
| W 20-1 | 8 | 128 | 11' | | 11' | 176' | | ✓ | | ✓ | | | 16 | 56' |
| W 20-5R | 2 | 32 | 11' | | 11' | 44' | | ✓ | | ✓ | | | 4 | 14' |
| W4-2R | 2 | 18 | 11' | | 11' | 44' | | ✓ | | ✓ | | | 4 | 14' |
| W20-5L | 2 | 32 | 11' | | 11' | 44' | | ✓ | | ✓ | | | 4 | 14' |
| W4-2L | 2 | 18 | 11' | | 11' | 44' | | ✓ | | ✓ | | | 4 | 14' |
| R3-2L | 5 | 20 | | | | 0 | | | | | | 5 | | |
| W1-3L | 3 | 48 | | | | 0 | | | | | | 3 | | |
| *W13-1 | 2 | 4.5 | | | | 0 | | | | | | | | |
| R1-1 | 1 | 4.9 | | | | 0 | | | | | | 1 | | |
| ACCESS SIGNS | 5 | 45 | 11' | | 11' | 110' | | ✓ | | ✓ | | | 10 | 35 |
| | | 351 | | | | 462' | | | | | | 9 | | 147' |
| PHASE III | | | | | | | | | | | | | | |
| (W 20-1) | 8 | 128 | 11' | | 11' | (176') | | ✓ | | ✓ | | | 16 | (56') |
| (W20-5R) | 2 | 32 | 11' | | 11' | (44') | | ✓ | | ✓ | | | 4 | (14') |
| (W4-2R) | 2 | 18 | 11' | | 11' | (44') | | ✓ | | ✓ | | | 4 | (14') |
| (W20-5L) | 2 | 32 | 11' | | 11' | (44') | | ✓ | | ✓ | | | 4 | (14') |
| (W4-2L) | 2 | 18 | 11' | | 11' | (44') | | ✓ | | ✓ | | | 4 | (14') |
| (R3-2L) | 2 | 8 | | | | 0 | | | | | | (2) | | |
| *R4-7a | 1 | 5 | | | | 0 | | | | | | | | |
| (W1-3L) | 3 | 48 | | | | 0 | | | | | | (3) | | |
| *(W13-1) | 2 | 4.5 | | | | 0 | | | | | | | | |
| ACCESS SIGNS | 5 | 45 | 11' | | 11' | (110') | | ✓ | | ✓ | | | 10 | (35') |
| ACCESS SIGN | 1 | 9 | 11' | | 11' | 22 | | ✓ | | ✓ | | | 2 | 7 |
| | | 348 | | | | (462)+22=484 | | | | | | (5) | | (147)+7=154 |
| PHASE IV | | | | | | | | | | | | | | |
| (W20-1) | 8 | 128 | 11' | | 11' | (176') | | ✓ | | ✓ | | | 16 | (56') |
| (W20-5L) | 2 | 32 | 11' | | 11' | (44') | | ✓ | | ✓ | | | 4 | (14') |
| W20-5L | 2 | 32 | 11' | | 11' | (44') | | ✓ | | ✓ | | | 4 | (14') |
| (W4-2L) | 2 | 18 | 11' | | 11' | (44') | | ✓ | | ✓ | | | 4 | (14') |
| W4-2L | 2 | 18 | 11' | | 11' | (44') | | ✓ | | ✓ | | | 4 | (14') |
| (R4-7a) | 1 | 5 | | | | 0 | | | | | | (1) | | |
| R4-7a | 1 | 5 | | | | 0 | | | | | | (1) | | |
| (R3-2L) | 5 | 20 | | | | 0 | | | | | | (5) | | |
| R3-2L | 1 | 4 | | | | 0 | | | | | | (1) | | |
| ACCESS SIGNS | 4 | 36 | 11' | | 11' | (88') | | ✓ | | ✓ | | | 8 | (28') |
| | | 298 | | | | (440') | | | | | | (8) | | (140') |

SIGNS ON BARRICADES ARE NOT INCLUDED.

( ) Sign(s) And/Or Support(s) Used In Other Construction Phase(s). No Additional Payment Therefore.

* No Additional Post Needed. Sign To Be Mounted On Common Post With Another Sign.

NOTES:

1.) TRAFFIC CONTROL PLAN AND QUANTITIES MAY VARY AS FIELD CONDITIONS DICTATE. THE CONTRACTOR WILL BE PAID FOR ACTUAL QUANTITIES USED. PLACING, RELOCATION AND MAINTENANCE OF TRAFFIC CONTROL DEVICES, AS SHOWN ON THE PLANS OR AS DIRECTED BY THE PROJECT MANAGER, ARE TO BE INCIDENTAL TO THE UNIT BID PRICE.

2.) ALL TRAFFIC CONTROL DEVICES FOR DETOURS SHALL COMPLY WITH STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION – SECTION 702 (1984 EDITION) AND CHAPTER VI OF THE 1978 EDITION MUTCD.

3.) ALL CONSTRUCTION SIGNING SHALL BE BLACK ON REFLECTIVE ORANGE UNLESS OTHERWISE SPECIFIED. ALL CONSTRUCTION BARRICADES AND CHANNELIZATION DEVICES SHALL BE ORANGE ON WHITE REFLECTORIZED UNLESS OTHERWISE SPECIFIED.

4.) BID ITEM – STEEL POSTS AND BASE POSTS FOR DETOUR SIGNS. THE CONTRACTOR SHALL HAVE THE OPTION OF SUPPLYING EITHER THE FLANGED CHANNEL OR THE DRIVEDOWN POST CROSS-SECTION INDICATED. ANY PORTION OF THE *SIGN POST* EXTENDING BELOW GROUND LEVEL SHALL BE CONSIDERED INCIDENTAL TO THE BID PRICE. BID UNIT-PER LINEAR FOOT.

5.) BID ITEM – TYPE III BARRICADE (6ft. or 8ft.), ORANGE ON WHITE REFLECTORIZED. ATTACHED PLYWOOD "ARROW" AND "ROAD CLOSED" SIGNS AND ATTACHED TYPE "A" FLASHING BEACONS ARE TO BE INCIDENTAL TO BID PRICE. BID UNIT – PER EACH.

6.) BID ITEM – TYPE I BARRICADE (8ft.), ORANGE ON WHITE REFLECTORIZED. ATTACHED HIGH INTENSITY FLASHING BEACONS ARE TO BE INCIDENTAL TO BID PRICE. BID UNIT-PER EACH.

7.) BID ITEM – VERTICAL PANEL, SINGLE TYPE (or BACK-TO-BACK) 8"x24" ORANGE ON WHITE REFLECTORIZED SHEETING ON .060 MIN. 6061 T-6 ALUMINUM MOUNTED ON DRIVEDOWN POST EITHER DRIVEN 3ft. OR ON STANCHION. BID UNIT – PER EACH.

8.) FLAGGING SHALL BE PROVIDED FOR SAFETY AND/OR AS DIRECTED BY THE PROJECT MANAGER. FLAGGERS SHALL USE *STOP/SLOW* PADDLES (18"x18" MIN.) IN ACCORDANCE WITH THE MUTCD.

9.) BID ITEM - CHANNELIZATION DEVICE BARREL - SHALL BE OF TYPE "A" OR TYPE "B" (ORANGE ON WHITE REFLECTORIZED). TYPE 'A' REQUIRES NO BEACON. TYPE "B" SHALL BE EQUIPPED WITH BEACONS AS SPECIFIED IN THE STANDART AND SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 702.021(g), 1984 EDITION.

10.) THE PROVISIONS AS INCLUDED IN THE PLANS AND SPECIFICATIONS FOR HANDLING AND CONTROLLING TRAFFIC DURING CONSTRUCTION OF THE PROJECT MAY BE CHANGED BY THE ENGINEER IF, BECAUSE OF FIELD CONDITIONS AS ACTUALLY ENCOUNTERED, SUCH CHANGES ARE DESIRABLE AT THE DISCRETION OF THE P.M. WITH CONSULTATION WITH THE CITY TRAFFIC ENGINEER. THESE CHANGES WILL BE MADE BY WRITTEN INSTRUCTIONS TO THE CONTRACTOR, AND SHALL BE CONSIDERED AN AMENDMENT TO THE PLANS AND SPECIFICATIONS, AS OF THE DATE OF THE CHANGE.

11.) NO PAYMENT SHALL BE MADE FOR ANY ADDITIONAL COST RESULTING FROM APPROVED TRAFFIC CONTROL PLAN CHANGES REQUESTED BY THE CONTRACTOR.

12.) ITEM 704010 IS INCLUDED FOR PAVEMENT STRIPING BETWEEN SURFACING LIFTS AS DIRECTED BY THE PROJECT MANAGER.

13.) BID ITEM - SAND BARREL VEHICULAR IMPACT ATTENUATOR UNLESS OTHERWISE SPECIFIED SAND BARREL VEHICULAR IMPACT ATTENUATORS SHALL BECOME THE PROPERTY OF THE STATE OF NEW MEXICO ON COMPLETION OF CONSTRUCTION AND SHALL NOT REVERT TO THE CONTRACTOR. THIS ITEM SHALL BE STOCKPILED AT LOCATIONS DIRECTED BY THE PROJECT MANAGER.

14.) BID ITEM - PRECAST CONCRETE WALL BARRIER UNLESS OTHERWISE SPECIFIED PRECAST CWB, WHEN USED FOR TRAFFIC CONTROL PURPOSES, SHALL BECOME THE PROPERTY OF THE STATE OF NEW MEXICO AND SHALL NOT REVERT TO THE CONTRACTOR. THIS ITEM SHALL BE STOCKPILED AT LOCATIONS DIRECTED BY THE PROJECT MANAGER.

15.) THE CONTRACTOR SHALL HAVE A "RESPONSIBLE PERSON" ON DUTY AT ALL TIMES TO INSPECT AND MAINTAIN PROJECT TRAFFIC CONTROL.

16.) ALL NON-APPLICABLE SIGNING SHALL BE COMPLETELY COVERED WITH AN OPAQUE, NON-LIGHT TRANSMITTING MATERIAL, OR REMOVED. ALL REMAINING, NON-APPLICABLE, TRAFFIC CONTROL DEVICES ARE TO BE REMOVED AND STORED AT LOCATIONS DESIGNATED BY THE PROJECT MANAGER.

17.) CLEANING OF REFLECTIVE SURFACES ON TRAFFIC CONTROL DEVICES SHALL BE INCIDENTAL TO TRAFFIC CONTROL DEVICES.

18.) ONLY PORTABLE AND BREAK AWAY SIGN SUPPORTS SHALL BE USED IN MEDIAN AREAS.

| F.H.W.A. Region No. | STATE | N.M.P. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 6 | NEW MEXICO | | | |

# SUMMARY OF QUANTITIES.

| ITEM Nº | BID ITEM | UNITS | | TOTAL |
|---|---|---|---|---|
| 702000 | CONSTRUCTION SIGNING | SQ. FT | | 697 |
| 702003 | STEEL POSTS AND BASE POSTS FOR CONSTRUCTION SIGNING | LIN. FT. | | 638 |
| 702005 | BARRICADE, TYPE I | EACH | | 0 |
| 702010 | BARRICADE, TYPE II | EACH | | 0 |
| 702015 | BARRICADE, TYPE III 8 FT. | EACH | | 9 |
| 702016 | BARRICADE, TYPE III 6 FT. | EACH | | 0 |
| 702030 | VERTICAL PANEL, SINGLE TYPE | EACH | | 0 |
| 702035 | VERTICAL PANEL, BACK TO BACK TYPE | EACH | | 0 |
| 702040 | CONSTRUCTION TRAFFIC MARKER | EACH | | 0 |
| 702045 | PORTABLE SIGN SUPPORT | EACH | | 9 |
| 702049 | CHANNELIZATION DEVICES (BARRELS)-TYPE "A" | EACH | | 0 |
| 702050 | CHANNELIZATION DEVICES (BARRELS) - TYPE "B" | EACH | | 116 |
| 702100 | SEQUENTIAL ARROW DISPLAY | EACH | | 2 |
| | | | | |
| 703200 | TUBULAR TRAFFIC MARKER | EACH | | 0 |
| | | | | |
| 704010 | REFLECTORIZED PAINTED MARKINGS | LIN. FT. | | 26,000 |
| 704015 | ADHESIVE MARKING TAPE FOR CONSTRUCTION ZONES | LIN. FT. | | 0 |
| 704016 | ADHESIVE NON-METALLIC MARKING TAPE | LIN. FT. | | 0 |
| | | | | |
| 720015 | SAND-BARREL VEHICULAR IMPACT ATTENUATOR | EACH | | 0 |
| | | | | |
| 721001 | REMOVAL OF PAVEMENT STRIPE | LIN. FT. | | 26,000 |
| | | | | |
| 606222 | PRECAST CONCRETE WALL BARRIER | LIN. FT. | | 0 |
| 606300 | W-BEAM / BARREL BARRIER | LIN. FT. | | 0 |
| 606405 | HAULING PRECAST CONCRETE WALL BARRIER | LIN. FT. | | 0 |
| 606410 | RESETTING OF PRECAST WALL BARRIER | LIN. FT. | | 0 |
| 718010 | REFLECTORIZED COMBINATION ARROW- THRU AND RIGHT | EA. | | 3 |
| 718020 | REFLECTORIZED LEFT ARROW | EA. | | 8 |
| 718021 | REFLECTORIZED THRU ARROW | EA. | | 8 |
| 718025 | REFLECTORIZED WORD "ONLY" | EA. | | 6 |

1 2 3 4 5 6 7 8 9 10 11 12

216 2053411819

| No. | DESCRIPTION | DATE | BY |
|---|---|---|---|
| 3 | | | |
| 2 | | | |
| 1 | | | |

REVISIONS (OR CHANGE NOTICES)

GILBERT D. GARDNER NEW MEXICO 5653 REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR

NEW MEXICO STATE HIGHWAY DEPARTMENT

TRAFFIC DESIGN SECTION

TRAFFIC CONTROL DEVICES FOR CONSTRUCTION SUMMARY OF QUANTITIES

DRAWING NO. 2053

SHEET 6-2 OF 51

MAP NO. H-17, H-18 NO. _____ SHEET NO. _____

CHECKED BY _____

DESIGNED BY _____

DRAWN BY _____

BRUNING

| SIGN CODE | Nº OF SIGNS | TOTAL SIGN AREA SQ.FT. | POST LENGTHS | | | | MOUNTING REQUIREMENTS | | | | | | BASE-POSTS | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | FLANGED CHANNEL | | | DRIVEDOWN POSTS 0.1345 THICK | | PORTABLE SIGN SUPPORT | | |
| | | | LEFT | CTR. | RIGHT | TOTAL | 2.25 Lb/Ft. | 3.00 Lb/Ft. | 4.00 Lb/Ft. | 23/16" X 23/16" | 21/2" X 2 1/2" | | Nº | TOTAL LENGTH |
| PHASE V | | | | | | | | | | | | | | |
| (W20-1) | 7 | 112 | 11' | | 11' | (154') | | ✓ | | ✓ | | | 14 | (49') |
| (W20-5R) | 2 | 32 | 11' | | 11' | (44') | | ✓ | | ✓ | | | 4 | (14') |
| W20-5R | 2 | 32 | 11' | | 11' | (44') | | ✓ | | ✓ | | | 4 | (14') |
| (W4-2R) | 2 | 18 | 11' | | 11' | (44') | | ✓ | | ✓ | | | 4 | (14') |
| W4-2R | 2 | 18 | 11' | | 11' | (44') | | ✓ | | ✓ | | | 4 | (14') |
| *(W13-1) | 2 | 4.5 | | | | | | | | | | | | |
| (R4-7a) | 1 | 5 | | | | | | | | | | (1) | | |
| (W1-3L) | 3 | 48 | | | | | | | | | | (3) | | |
| ACCESS SIGNS | 5 | 45 | 11' | | 11' | (110') | | ✓ | | ✓ | | | 10 | (35') |
| | | 315 | | | | (440) | | | | | | (4) | | (140) |
| PHASE VI | | | | | | | | | | | | | | |
| (W20-1) | 8 | 128 | 11' | | 11' | (176') | | ✓ | | ✓ | | | 16 | (56') |
| (W20-5R) | 2 | 32 | 11' | | 11' | (44') | | ✓ | | ✓ | | | 4 | (14') |
| (W4-2R) | 2 | 18 | 11' | | 11' | (44') | | ✓ | | ✓ | | | 4 | (14') |
| (W20-5L) | 2 | 32 | 11' | | 11' | (44') | | ✓ | | ✓ | | | 4 | (14') |
| (W4-2L) | 2 | 18 | 11' | | 11' | (44') | | ✓ | | ✓ | | | 4 | (14') |
| (W1-3L) | 2 | 32 | | | | | | | | | | (2) | | |
| *(W13-1) | 2 | 4.5 | | | | | | | | | | | | |
| (R4-7a) | 1 | 5 | | | | | | | | | | (1) | | |
| (R3-2L) | 2 | 8 | | | | | | | | | | (2) | | |
| ACCESS SIGNS | 6 | 54 | 11' | | 11' | (132') | | ✓ | | ✓ | | | 12 | (42') |
| | | 332 | | | | (484') | | | | | | (5) | | (154') |
| PHASE VII | | | | | | | | | | | | | | |
| (W20-1) | 8 | 128 | 11' | | 11' | (176') | | ✓ | | ✓ | | | 16 | (56') |
| (W20-5L) | 2 | 32 | 11' | | 11' | (44') | | ✓ | | ✓ | | | 4 | (14') |
| (W4-2L) | 2 | 18 | 11' | | 11' | (44') | | ✓ | | ✓ | | | 4 | (14') |
| W1-4R | 1 | 6.3 | 11' | | 11' | (22') | | ✓ | | ✓ | | | 2 | (7') |
| (R4-7a) | 2 | 10 | | | | | | | | | | (2) | | |
| (R3-2L) | 4 | 16 | | | | | | | | | | (4) | | |
| ACCESS SIGNS | 4 | 36 | 11' | | 11' | (88') | | ✓ | | ✓ | | | 8 | (28') |
| | | 147 | | | | 374' | | | | | | (6) | | (119') |
| | | 697 | | | | 484 | | | | | | 9 | | 154 |

| SIGN CODE | Nº OF SIGNS | TOTAL SIGN AREA SQ.FT. | POST LENGTHS | | | | MOUNTING REQUIREMENTS | | | | | | BASE-POSTS | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | FLANGED CHANNEL | | | DRIVEDOWN POSTS 0.1345 THICK | | PORTABLE SIGN SUPPORT | | |
| | | | LEFT | CTR. | RIGHT | TOTAL | 2.25 Lb/Ft. | 3.00 Lb/Ft. | 4.00 Lb/Ft. | 23/16" X 2 3/16" | 21/2" X 2 1/2" | | Nº | TOTAL LENGTH |

SURVEY INFORMATION

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|

BENCH MARKS

Brass Cap - STA N.M. 367-8

Located in median of San Mateo Blvd. N.E. 22' North of intersection with Cutler Ave. N.E.

Elev. 5204.26

AS BUILT INFORMATION

CONTRACTOR

WORK STAKED BY — DATE

INSPECTOR'S ACCEPTANCE BY — DATE

FIELD VERIFICATION BY — DATE

DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE

NO. — BY

ENGINEER'S SEAL

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | |

DESIGNED BY — DATE Aug. 1985

DRAWN BY — DATE Aug. 1985

CHECKED BY — DATE Aug. 1985

1 2 3 4 5 6 7 8 9 10 11 12

26 20 53 42 89

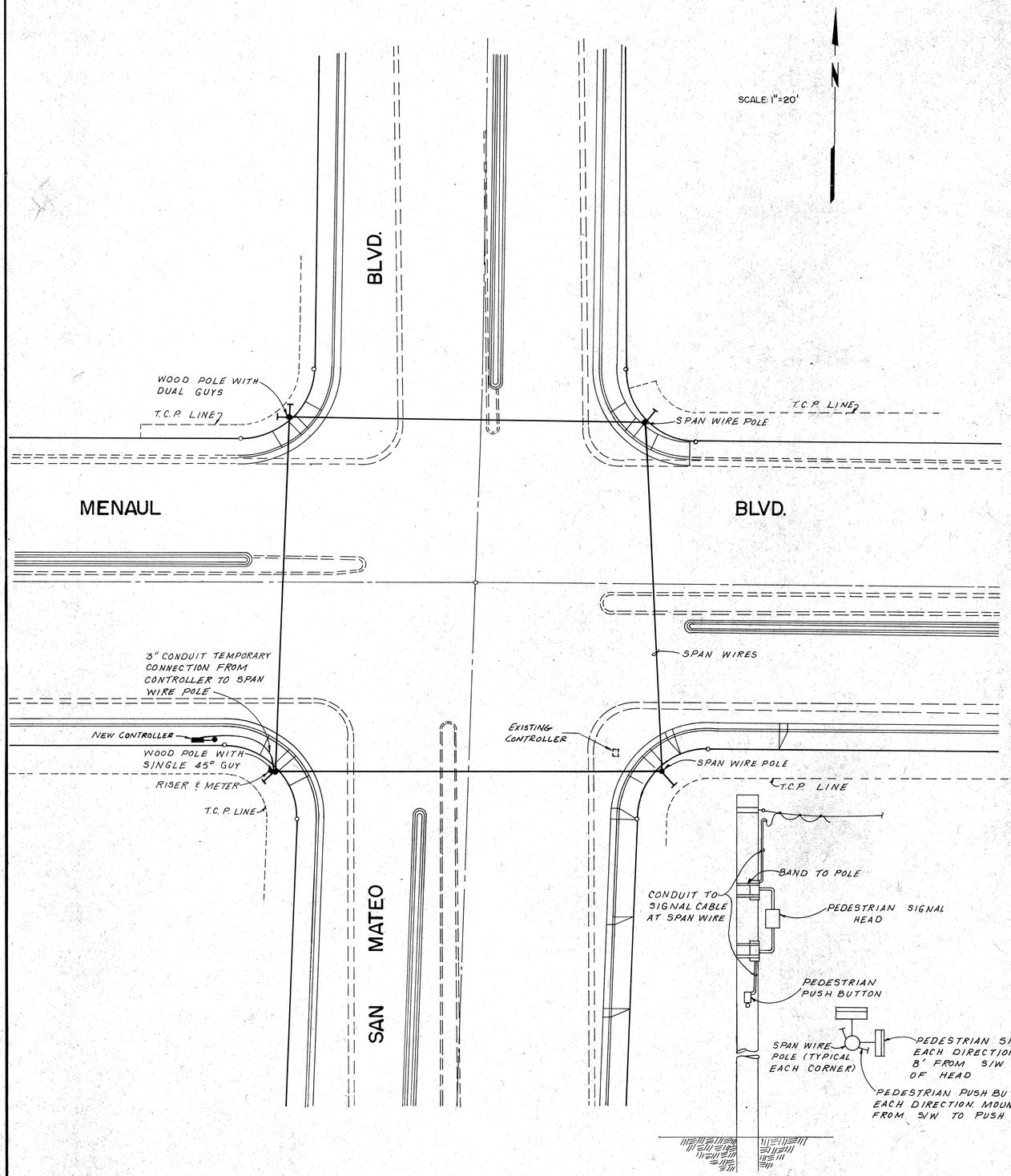
CITY OF ALBUQUERQUE

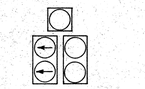
TRANSPORTATION DEPARTMENT

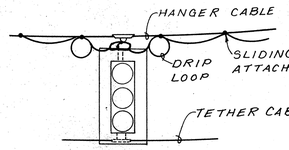
TITLE: SAN MATEO & MENAUL INTERSECTION
TRAFFIC CONTROL DEVICES FOR CONSTRUCTION
SUMMARY OF QUANTITIES

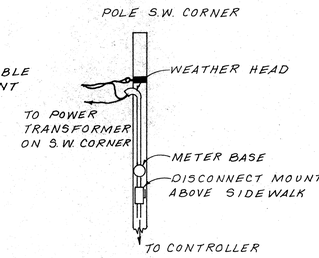
| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 3/17/86 | Liquid Waste | | 12/12/85 |
| A.C.E.- Design | | 3/11/86 | Traffic | | 12/12/85 |
| A.C.E.- Hydrology | | 3/11/86 | Water | N/A AR | 12/12/85 |

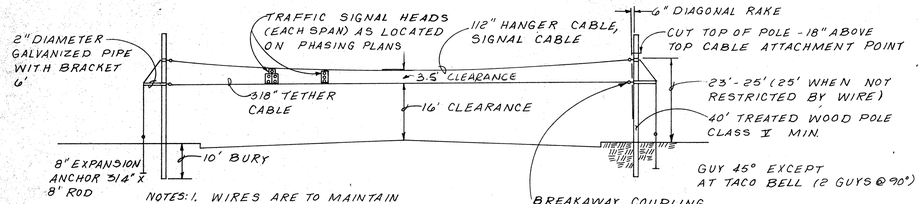
DRAWING NO. 2053 | MAP NO. H-17, H-18 | SHEET 6-3 OF 51




NOTES: 1. WIRES ARE TO MAINTAIN CLEARANCES SPECIFIED IN THE NATIONAL ELECTRICAL CODE. TRAFFIC SIGNAL POLES, SPAN WIRES SHALL MAINTAIN CLEARANCES SPECIFIED IN THE NATIONAL ELECTRICAL SAFETY CODE (NESC) FROM PNM'S FACILITIES. THE TEMPORARY INSULATION FOR BARE WIRES DOES NOT REDUCE CLEARANCE REQUIREMENTS OF THE N.E.S.C.

2. ALL SIGNAL HEADS NOT IN USE ARE TO BE COVERED.

TEMPORARY SIGNAL QUANTITIES

ITEMS TO BE FURNISHED, INSTALL AND MAINTAINED BY CONTRACTOR

| ITEM DESCRIPTIONS | UNIT | QUANTITY |
|---|---|---|
| Treated Wooden Power Poles - class 5 | LF | 160 |
| Guy Wire | LF | 150(+) |
| Anchors | EA | 5 |
| 2" Dia. x 6' pipe Brace | EA | 5 |
| 3/8" Standard Bolts for Cable Bracket attachment | EA | 8 |
| 2" Conduits | LF | 120(+) |

ITEMS TO BE FURNISHED BY CITY AND INSTALL AND MAINTAINED BY CONTRACTOR

| ITEM DESCRIPTION | UNIT | QUANTITY |
|---|---|---|
| 5 Section Signal Heads | EA | 4 |
| 3 Section Signal Heads | EA | 4 |
| Pedestrain Signal Heads | EA | 8 |
| Pedestrain Push Buttoms | EA | 8 |
| Disconnect Switch Box | EA | 1 |
| Meter Base | EA | 1 |
| 1/2" Signal Lead Hanger Cable | LF | 510(+) |
| Signal Cables W/Sliding Hangers | LF | 650(+) |
| 3/8" Tether Cable | LF | 510(+) |
| Pole Brackets for Cable Attachments | EA | 8 |
| MULT: PHASE CONTROLLER | EA. | 1 |
| SINGLE CONDUCTOR CABLE | L.F. | 1500(+) |

1 2 3 4 5 6 7 8 9 10 11 12
2 6 1 2 0 5 3 4 7 3 8 5

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|

BENCH MARKS
Brass Cap - STA M'M 367-8
Located in median of San Mateo Blvd. N.E. 22' North of intersection with Cutler Ave., N.E. Elev. 5204.26

AS BUILT INFORMATION
CONTRACTOR
WORK PERFORMED BY — DATE
INSPECTORS DISTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWING CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

ENGINEER'S SEAL
REUBEN D. GARCIA, N.M. REGISTERED PROFESSIONAL ENGINEER 5853 LAND SURVEYOR

| NO. | DATE | REMARKS / REVISIONS | BY |
|---|---|---|---|
| | | DESIGN DATE 11-4-85 | |
| | | DATE 11-8-85 | |
| | | DATE | |

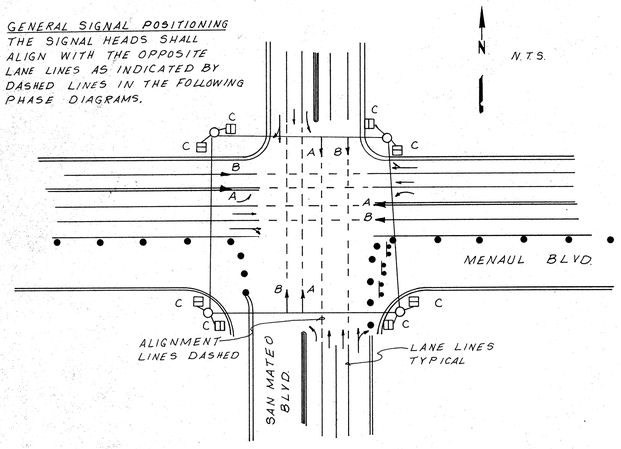
DESIGNED BY R.M.
DRAWN BY B.J.G.
CHECKED BY

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT
TITLE: SAN MATEO & MENAUL INTERSECTION
TEMPORARY SIGNAL INSTALLATION

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 3/17/86 | Liquid Waste | N/A BR | 12/12/85 |
| A.C.E.-Design | | 3/11/86 | Traffic | D.D. Pando | 12/12/85 |
| A.C.E.-Hydrology | | 3/14/86 | Water | N/A BR | 12/12/85 |

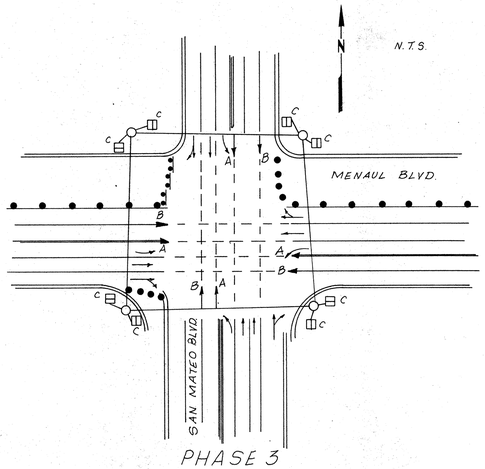
DRAWING NO. 2053
MAP NO. H-17, H-18
SHEET 6-4 OF 51

GENERAL SIGNAL POSITIONING
THE SIGNAL HEADS SHALL ALIGN WITH THE OPPOSITE LANE LINES AS INDICATED BY DASHED LINES IN THE FOLLOWING PHASE DIAGRAMS.

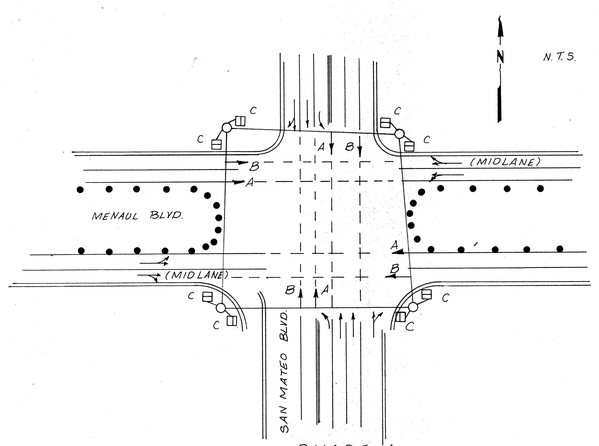



PHASE 2

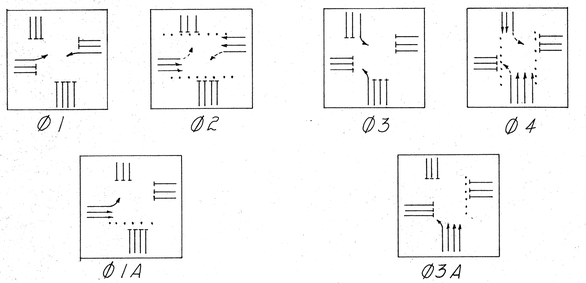


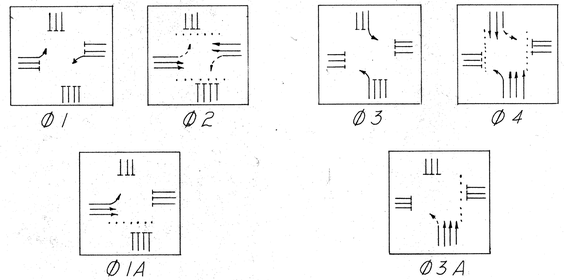



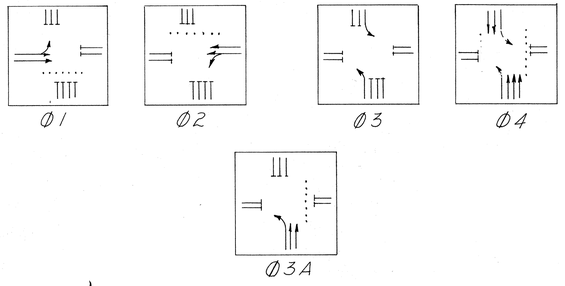

PHASE 3

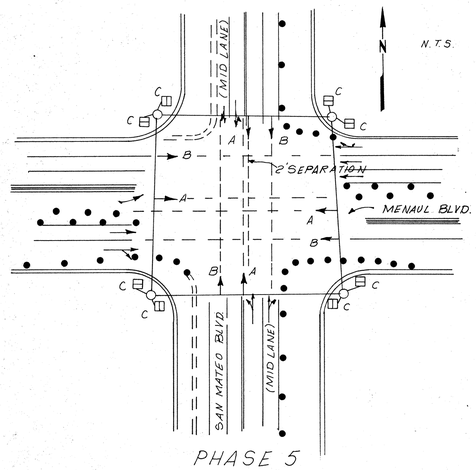



PHASE 4

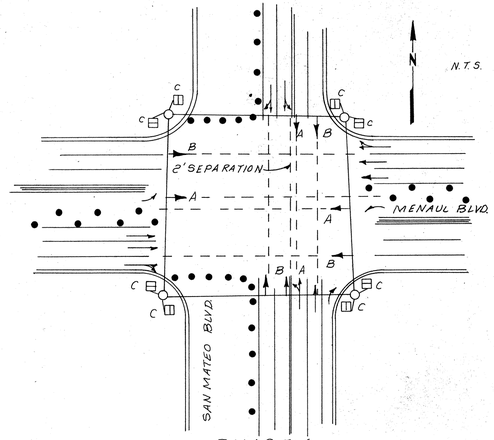


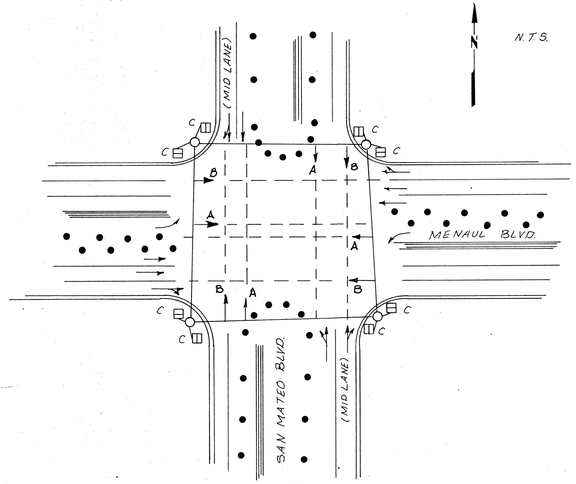



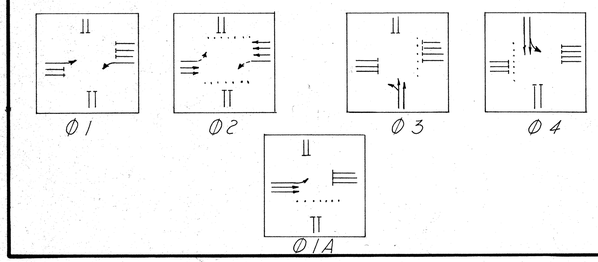

PHASE 5

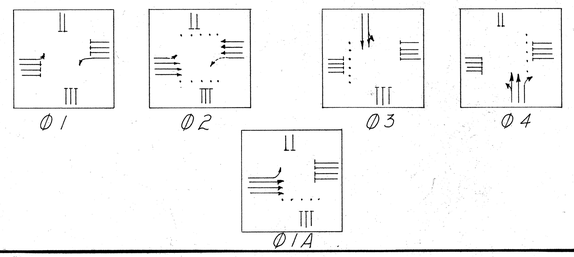


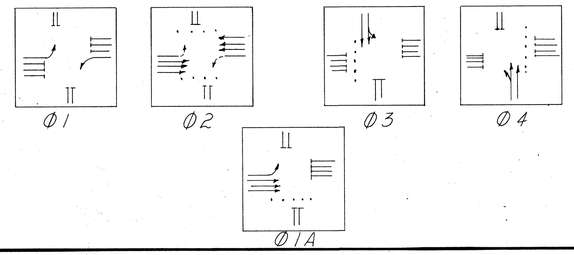

PHASE 6




PHASE 7




## TYPICAL LEGEND

- BARRELS
- TYPE III BARRICADES FOR COMPLETE BARRICADING INFO. REFER TO BARRICADING PLAN
- A OR B - SIGNAL HEAD ON SPAN WIRE SYSTEM
- VEHICLE MOVEMENT FROM INDICATED LANE

## PHASING LEGEND

- STOPPED MOVEMENT
- PROTECTED MOVEMENT
- PERMISSIVE MOVEMENT (NOT PROTECTED)
- PEDESTRIAN MOVEMENT (ONLY WHEN PEDESTRIAN ACTUATION)

1 2 3 4 5 6 7 8 9 10 11 12
2 6 2 0 5 3 4 4 8 5

AS BUILT INFORMATION
CONTRACTOR
WORK PERFORMED BY — DATE
INSPECTORS — DATE
ACCEPTANCE BY
FIELD VERIFICATION BY — DATE
DRAWINGS REVISED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
Brass Cap - STA N.M. 367-8
Located in median of San Mateo Blvd N/E 22' North of intersection with Cutler Ave., N/E
Elev. 5204.26

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEER'S SEAL
ROBERT D. GARDENER — NEW MEXICO — 5853 — REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | |

DESIGNED BY — DATE 11-12-85
DRAWN BY B.J.G. — DATE
CHECKED BY — DATE

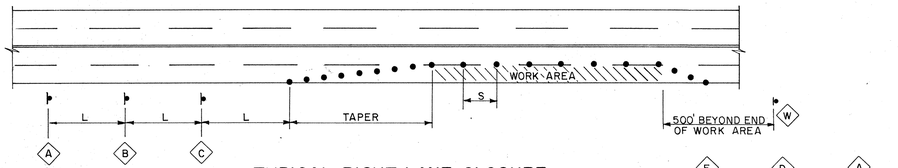
CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION
TEMPORARY SIGNAL PHASING

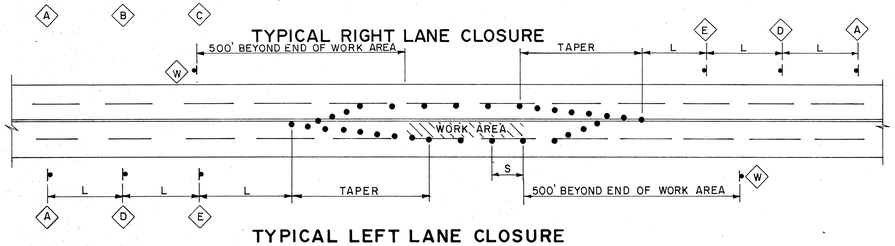
| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | [signature] | 3/7/86 | Liquid Waste | [signature] | 11/19/85 |
| A.C.E.- Design | [signature] | 3/14/86 | Traffic | D.O. Peabody | 12/2/85 |
| A.C.E.- Hydrology | [signature] | 3/14/86 | Water | [signature] | 12/2/85 |

DRAWING NO. 2053 — MAP NO. H-17, H-18 — SHEET 6-5 OF 51

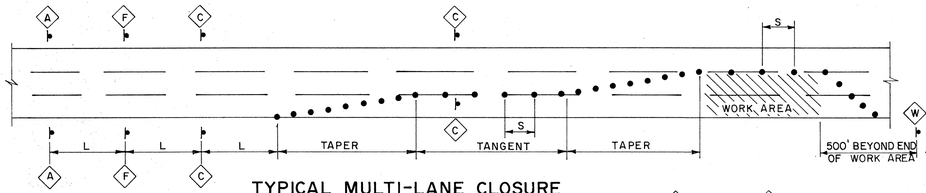
1 2 3 4 5 6 7 8 9 10 11 12



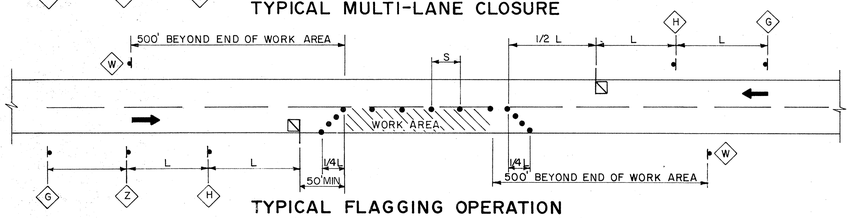

TYPICAL RIGHT LANE CLOSURE



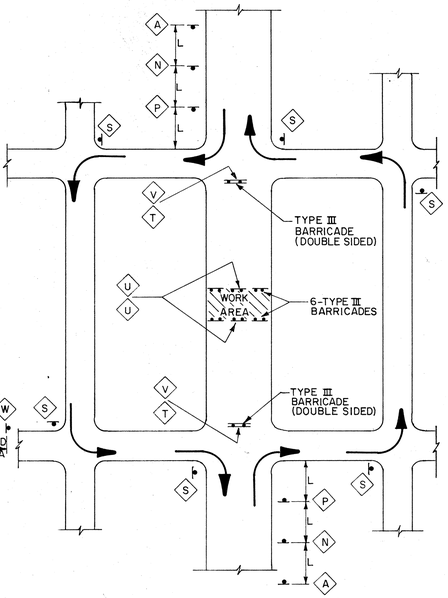

TYPICAL LEFT LANE CLOSURE



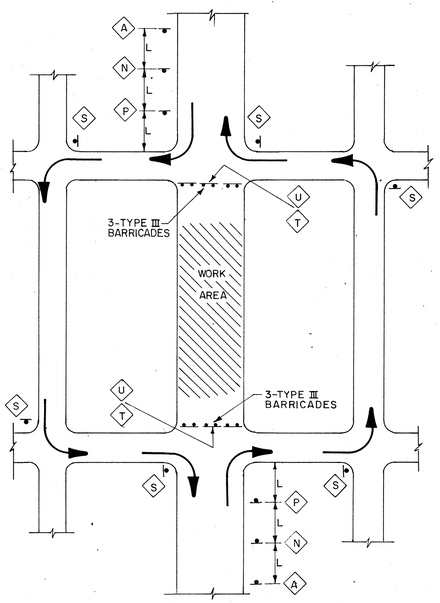

TYPICAL MULTI-LANE CLOSURE



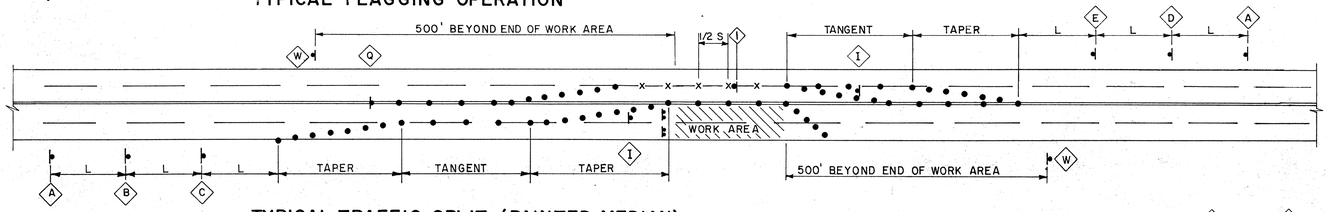

TYPICAL FLAGGING OPERATION



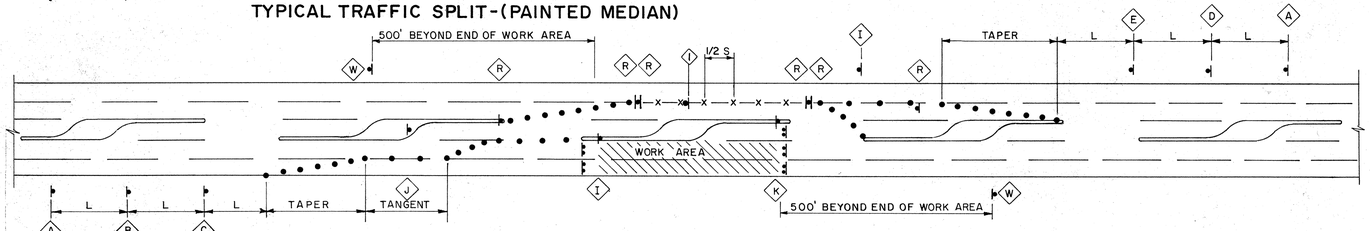

TYPICAL STREET CLOSURE (MID BLOCK)



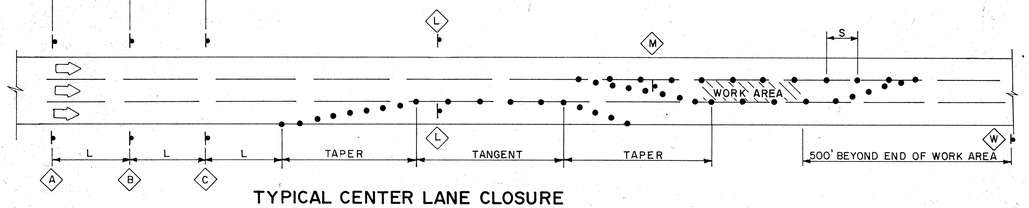

TYPICAL STREET CLOSURE




TYPICAL TRAFFIC SPLIT-(PAINTED MEDIAN)




TYPICAL TRAFFIC SPLIT-(RAISED MEDIAN)




TYPICAL CENTER LANE CLOSURE

## TAPER REQUIREMENTS

| SPEED LIMIT (MPH) | TAPER LENGTH (FEET) 10' LANE | 11' LANE | 12' LANE | MAXIMUM DISTANCE BETWEEN DEVICES (FEET) | MINIMUM NUMBER OF DEVICES REQUIRED |
|---|---|---|---|---|---|
| 25 | 104 | 115 | 125 | 25 | 6 |
| 30 | 150 | 165 | 185 | 30 | 7 |
| 35 | 204 | 225 | 245 | 35 | 8 |
| 40 | 267 | 293 | 320 | 40 | 9 |
| 45 | 450 | 495 | 540 | 45 | 13 |
| 50 | 500 | 550 | 600 | 50 | 13 |
| 55 | 550 | 605 | 660 | 55 | 13 |

## LEGEND

- WORK AREA
- B/2 — TRAFFIC SIGN & QUANTITY (SEE THIS SHEET FOR DESIGNATION)
- BARRICADE - TYPE I, TYPE II, OR BARREL
- BARRICADE - TYPE III
- x — VERTICAL PANEL
- WARNING SIGN
- L — DISTANCE BETWEEN SIGNS-A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
- FLAGMAN POSITION
- S — SPACING BETWEEN BARRICADES-A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET

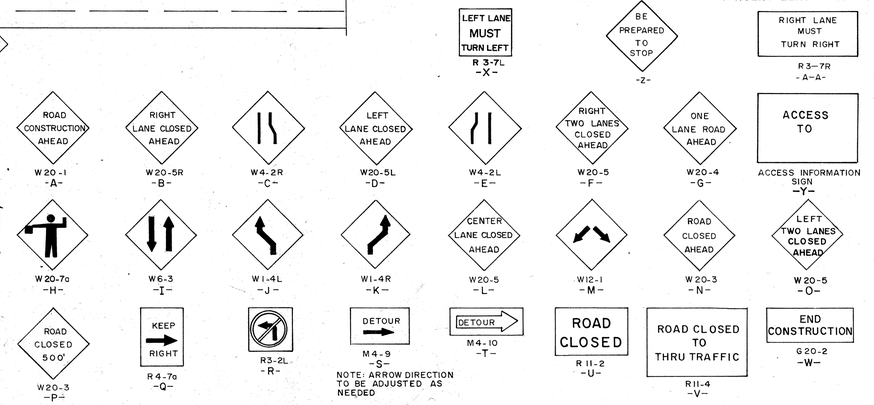
TAPER LENGTH - SEE CHART AT LEFT

TANGENT LENGTH - IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET

## NOTES

ALL ADVANCE WARNING SIGNS ARE TO BE DOUBLE INDICATED WHENEVER MEDIANS ARE PRESENT.

TRANSFORMATION FROM EXISTING SIGNALS TO SPAN WIRE IS TO OCCUR AT OFF PEAK HOURS.




SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|

BENCH MARKS
Brass Cap - STA N.M. 367-8
Located in median of San Mateo Blvd. N.E. 22' North of intersection with Cutler Ave. N.E.
Elev. 5204.26

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTIONS
ACCEPTANCE BY — DATE
FIELD LOCATION BY — DATE
DRAWINGS
CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

ENGINEER'S SEAL

| NO. | DATE | REMARKS / REVISIONS | BY | DATE |
|---|---|---|---|---|
| | | DESIGN | City | Sept 1984 |
| | | DESIGNED BY | MEY | Sept 1984 |
| | | DRAWN BY | G.G. | Sept 1984 |
| | | CHECKED BY | | |

NEW MEXICO PROJECT NO.
M-4046 (1)

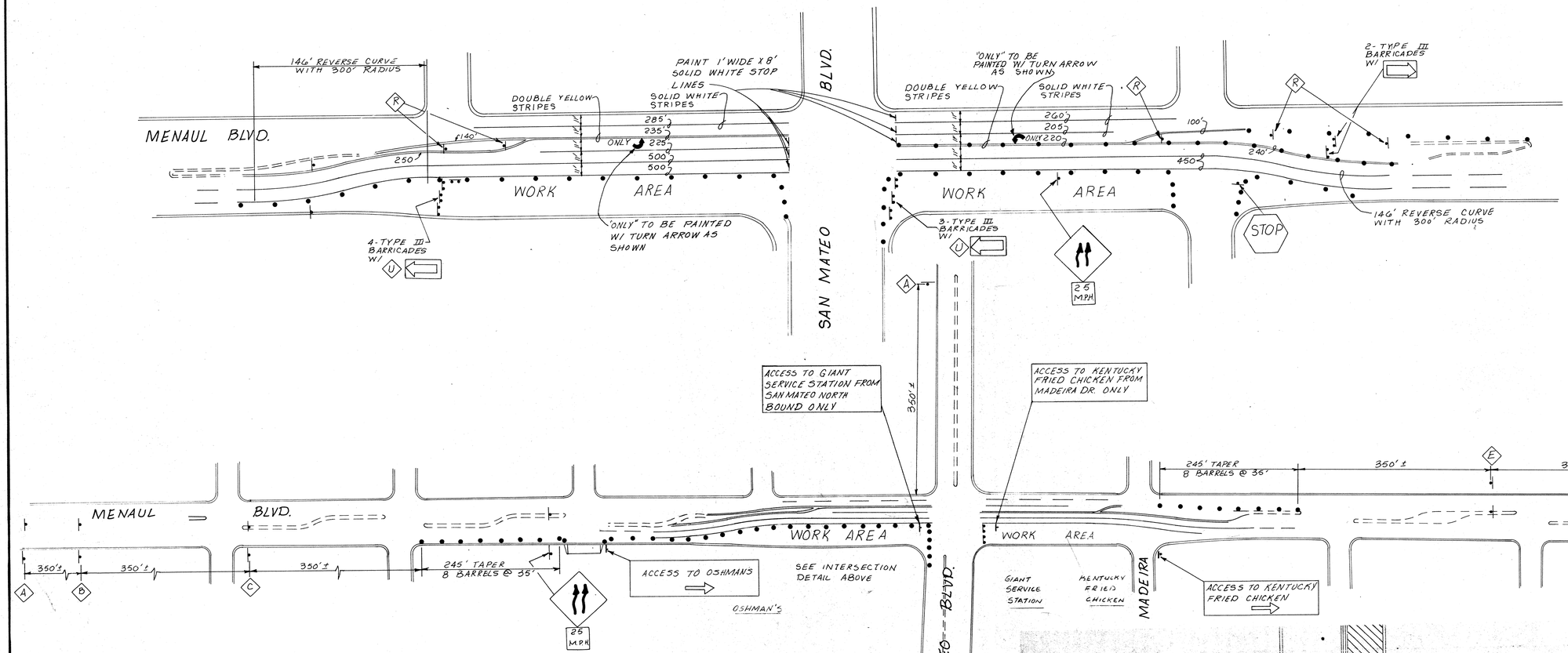
CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION
TRAFFIC CONTROL DEVICES FOR CONSTRUCTION

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | [signature] | 3/16/86 | Liquid Waste | [signature] | 12/31/85 12/2/85 |
| A.C.E.- Design | [signature] | 3/14/86 | Traffic | D.O. Pardo | 12/2/85 |
| A.C.E.- Hydrology | [signature] | 3/14/86 | Water | n/a AR | 12/2/85 |

DRAWING NO. 2053 | MAP NO. H-17, H-18 | SHEET 6-6 OF 51

1 2 3 4 5 6 7 8 9 10 11 12
26 20534 59159




## PHASING NOTES

Phase 1a: Using typical single lane closures as shown on sheet 6-6a, install the temporary span wire signal system.

Phase 1b: Under existing traffic construct as much curbing and sidewalk as possible on the South side of Menaul. Only one curb cut may be closed at a time in this area

Phase 1c: Using left lane closures as shown on sheet 6-6, remove the medians on Menaul and replace with temporary asphalt from station 0+00 to station 9+25. Barrels placed at 15 feet must be maintained inplace of the median until the start of phase 2.

Phase 2
-Remove all existing striping that would conflict with the temporary striping pattern for this phase. Stripe Menaul as per plan so that two thru lanes and a turn lane will be maintained on Menaul in each direction at all times.
-Construct the first three lanes of the concrete approach for East bound Menaul.
-An estimated 4 access signs will be required during this phase of construction.

ACCESS SIGNS FOR OSHMAN'S, GIANT SERVICE STATION & KENTUCKY FRIED CHICKEN.

CONSTRUCTION SEQUENCE PLANS PREPARED BY CITY OF ALBUQUERQUE TRAFFIC ENGINEER, DRAFTED BY GARDNER, MASON & ASSOC.

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTED BY — DATE
FIELD VERIFICATION BY — DATE
CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
Brass Cap - STA #M 347-8
located in median of San Mateo Blvd. N/E 22' North of intersection with Cutler Ave. N/E
Elev. 5204.28

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
DAVID D. GARDNER NEW MEXICO 5853 REGISTERED PROFESSIONAL ENGINEER

REMARKS
REVISIONS
NO. | DATE | BY
DESIGNED BY — C.H. — DATE 8-22-85
DRAWN BY — B.G. — DATE 8-22-85
CHECKED BY — G.G.

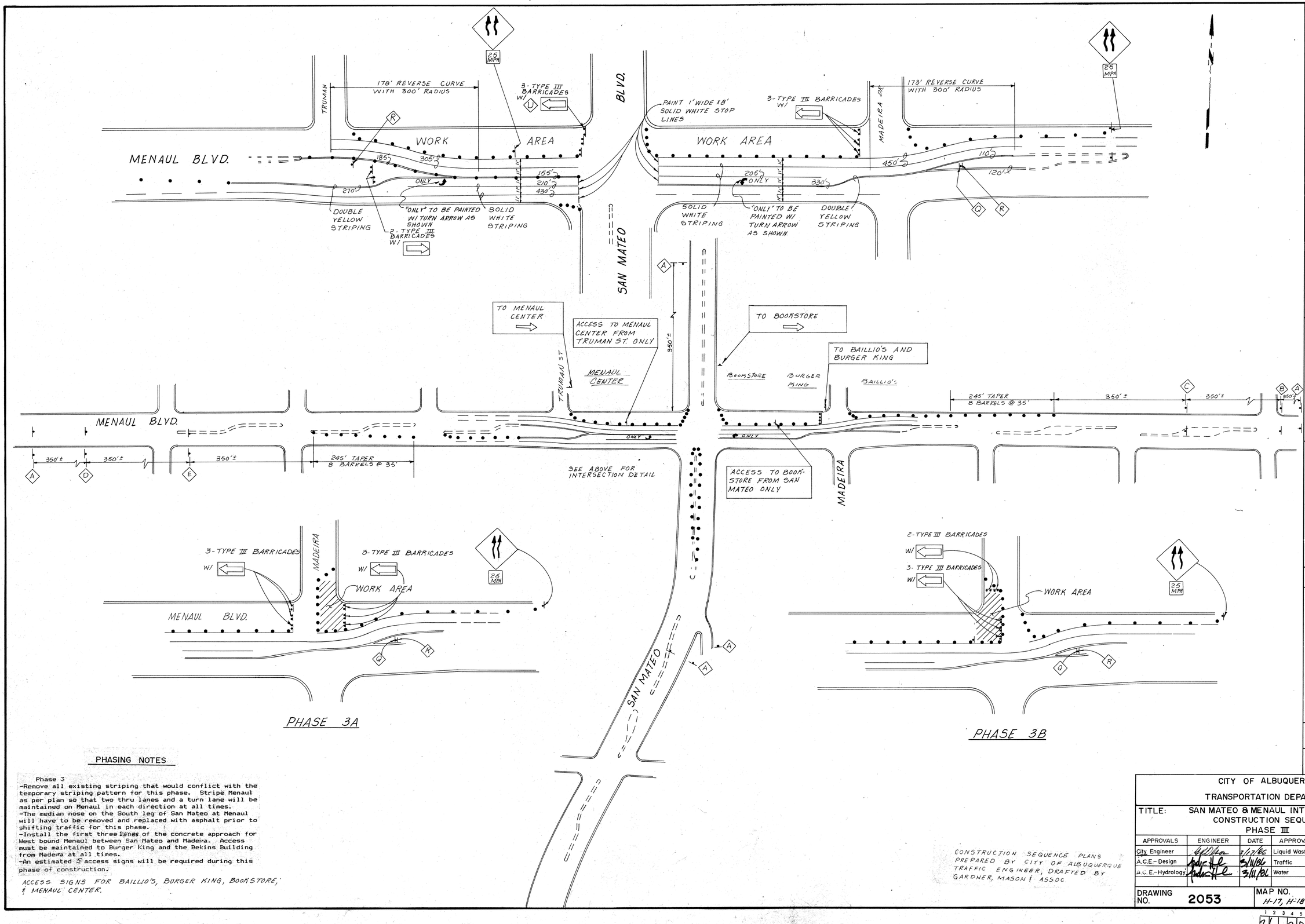
CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION
CONSTRUCTION SEQUENCE PLAN
PHASE I & II

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 3/17/86 | Liquid Waste | N/A DR | 12/1/85 |
| A.C.E.- Design | | 3/11/86 | Traffic | D.G. Parra | 12/2/85 |
| A.C.E.-Hydrology | | 3/11/86 | Water | N/A BR | 1/4/86 |

DRAWING NO. 2053 | MAP NO. H-17, H-18 | SHEET 6-7 OF 51

1 2 3 4 5 6 7 8 9 10 11 12
216 | 205 | 34 | 16 | 9 | 9




PHASE 3A

PHASE 3B

## PHASING NOTES

Phase 3
-Remove all existing striping that would conflict with the temporary striping pattern for this phase. Stripe Menaul as per plan so that two thru lanes and a turn lane will be maintained on Menaul in each direction at all times.
-The median nose on the South leg of San Mateo at Menaul will have to be removed and replaced with asphalt prior to shifting traffic for this phase.
-Install the first three lanes of the concrete approach for West bound Menaul between San Mateo and Madeira. Access must be maintained to Burger King and the Bekins Building from Madeira at all times.
-An estimated 5 access signs will be required during this phase of construction.

ACCESS SIGNS FOR BAILLIO'S, BURGER KING, BOOKSTORE, & MENAUL CENTER.

CONSTRUCTION SEQUENCE PLANS PREPARED BY CITY OF ALBUQUERQUE TRAFFIC ENGINEER, DRAFTED BY GARDNER, MASON & ASSOC.

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS
Brass Cap - STA-NM-367-8
Located in median of San Mateo Blvd. N/O 22 North of intersection with Cutler Ave. NE
Elev. 5201.26

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY | DATE
INSPECTORS
ACCEPTANCE BY | DATE
VERIFICATION BY | DATE
DRAWINGS CORRECTED BY | DATE
MICRO-FILM INFORMATION
RECORDED BY | DATE
NO.

ENGINEER'S SEAL
ALBERT D. GARDNER 5663 REGISTERED PROFESSIONAL ENGINEER

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | |
| | | DESIGNED BY | CAH |
| | | DRAWN BY | BG |
| | | CHECKED BY | GG |

DATE 8-21-85
DATE 8-21-85
DATE 8-21-85

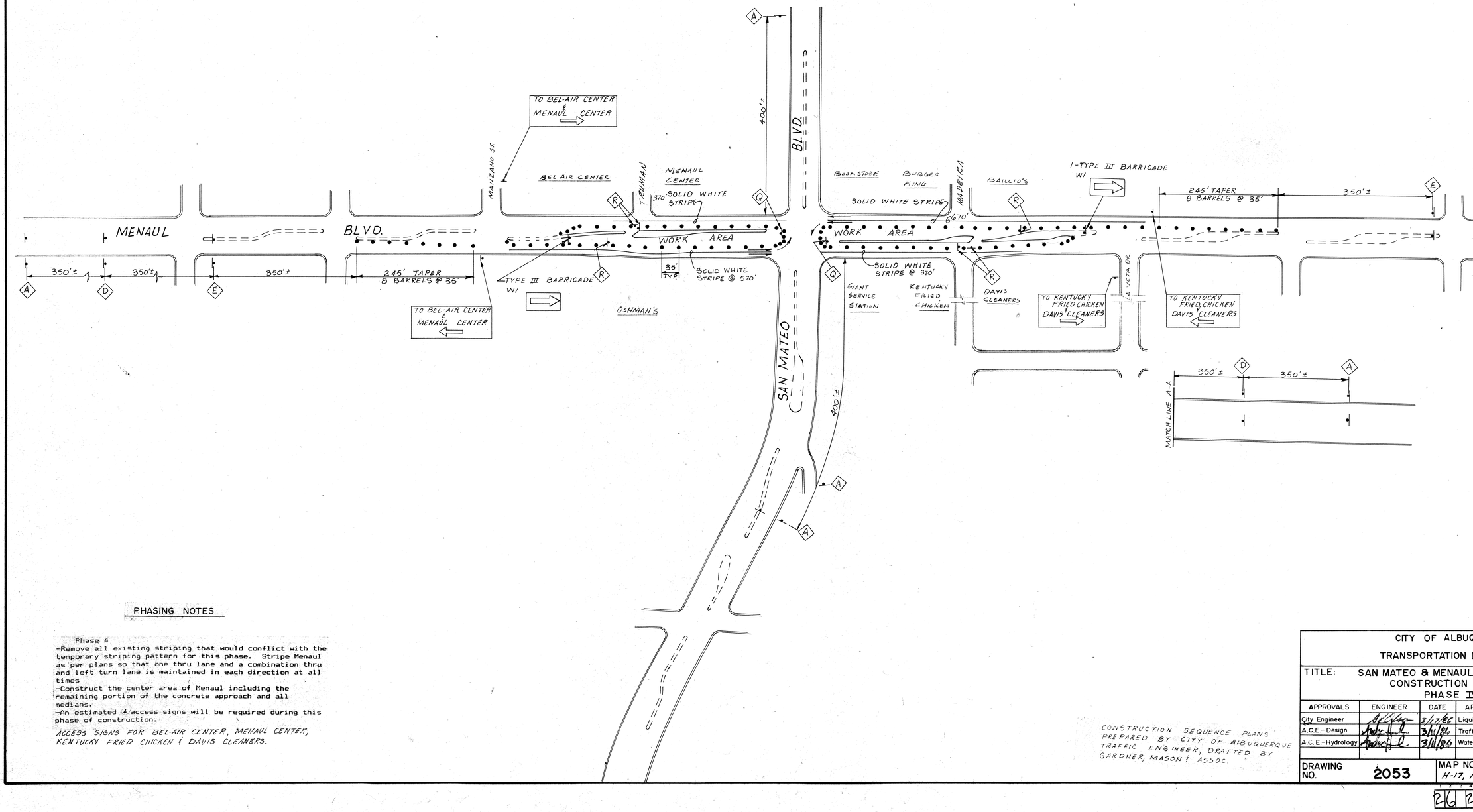
CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION CONSTRUCTION SEQUENCE PLAN PHASE III

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | [signature] | 7/17/86 | Liquid Waste | [signature] | 10/2/85 |
| A.C.E.- Design | [signature] | 3/11/86 | Traffic | D.D. Peters | 10/2/85 |
| A.C.E.-Hydrology | [signature] | 3/11/86 | Water | [signature] | 10/2/85 |

DRAWING NO. 2053 | MAP NO. H-17, H-18 | SHEET 6-8 OF 51

1 2 3 4 5 6 7 8 9 10 11 12
261 620538 47189




## PHASING NOTES

Phase 4
-Remove all existing striping that would conflict with the temporary striping pattern for this phase. Stripe Menaul as per plans so that one thru lane and a combination thru and left turn lane is maintained in each direction at all times
-Construct the center area of Menaul including the remaining portion of the concrete approach and all medians.
-An estimated 4 access signs will be required during this phase of construction.

ACCESS SIGNS FOR BEL-AIR CENTER, MENAUL CENTER, KENTUCKY FRIED CHICKEN & DAVIS CLEANERS.

CONSTRUCTION SEQUENCE PLANS PREPARED BY CITY OF ALBUQUERQUE TRAFFIC ENGINEER, DRAFTED BY GARDNER, MASON & ASSOC.

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS
Brass Cap - STA A/M 367-8
Located in median of San Mateo Blvd. N.E. 22' North of intersection with Carter Ave. N.E.
Elev. 5204.26

ENGINEER'S SEAL

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY | DATE
INSPECTORS ACCEPTANCE BY | DATE
FIELD VERIFICATION BY | DATE
DRAWINGS CORRECTED BY | DATE

MICRO-FILM INFORMATION
RECORDED BY | DATE
NO.

REVISIONS
NO. | DATE | REMARKS | BY
DESIGNED BY | DESIGN | DATE 8-23-85 | CLH
DRAWN BY | | DATE 8-23-85 | BG
CHECKED BY | | DATE 8-23-85 | GG

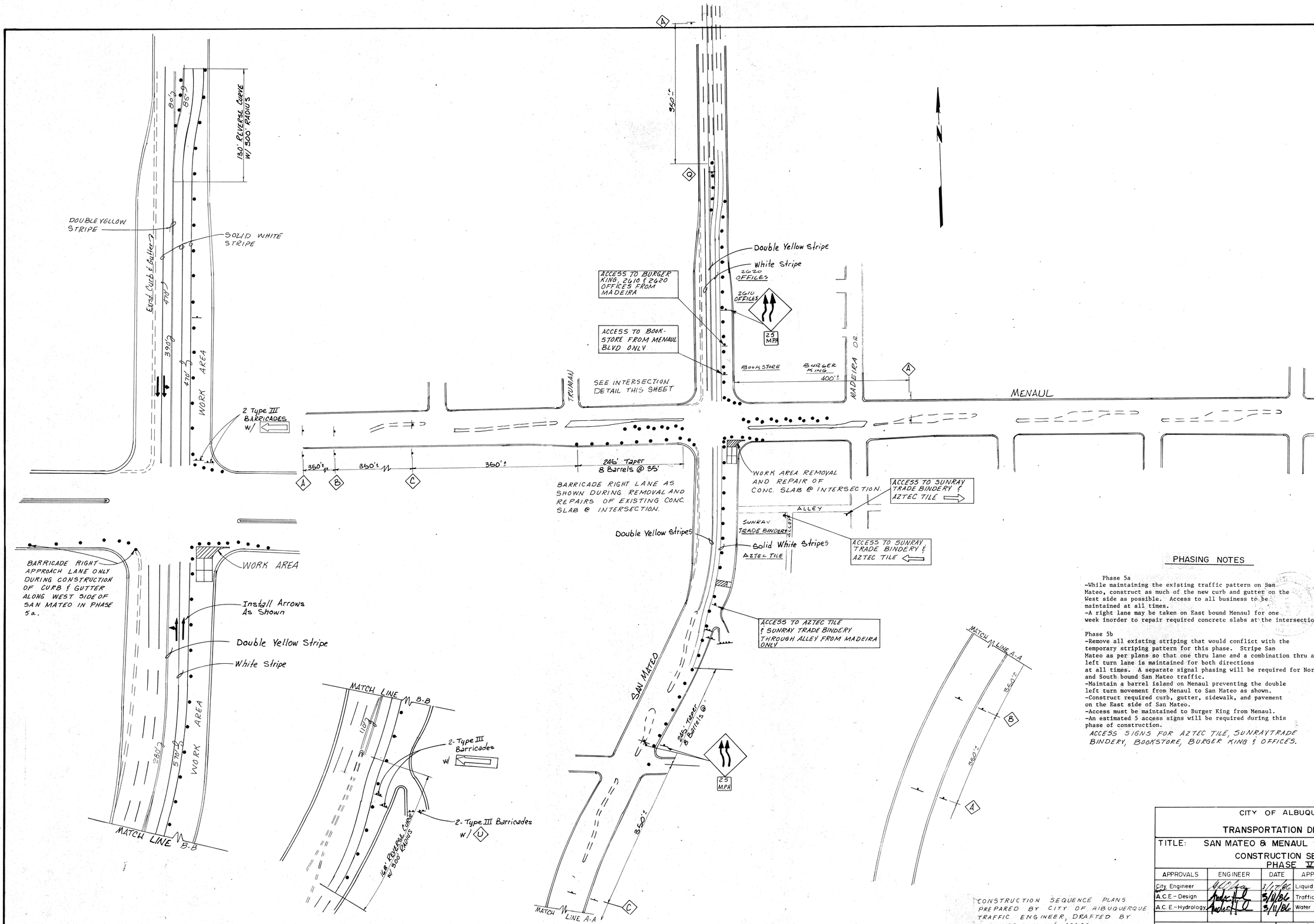
CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION
CONSTRUCTION SEQUENCE PLAN
PHASE IV

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 3/27/86 | Liquid Waste | n/a GR | 11/21/85 |
| A.C.E.-Design | | 3/11/86 | Traffic | D.O. Powell | 12/2/85 |
| A.C.E.-Hydrology | | 3/11/86 | Water | n/a GR | 11/21/85 |

DRAWING NO. 2053 | MAP NO. H-17, H-18 | SHEET 6-9 OF 51

1 2 3 4 5 6 7 8 9 10 11 12
26 2053 4 8 8 9




## PHASING NOTES

Phase 5a
-While maintaining the existing traffic pattern on San Mateo, construct as much of the new curb and gutter on the West side as possible. Access to all business to be maintained at all times.
-A right lane may be taken on East bound Menaul for one week inorder to repair required concrete slabs at the intersection

Phase 5b
-Remove all existing striping that would conflict with the temporary striping pattern for this phase. Stripe San Mateo as per plans so that one thru lane and a combination thru and left turn lane is maintained for both directions at all times. A separate signal phasing will be required for North and South bound San Mateo traffic.
-Maintain a barrel island on Menaul preventing the double left turn movement from Menaul to San Mateo as shown.
-Construct required curb, gutter, sidewalk, and pavement on the East side of San Mateo.
-Access must be maintained to Burger King from Menaul.
-An estimated 5 access signs will be required during this phase of construction.

ACCESS SIGNS FOR AZTEC TILE, SUNRAYTRADE BINDERY, BOOKSTORE, BURGER KING & OFFICES.

CONSTRUCTION SEQUENCE PLANS PREPARED BY CITY OF AIBUQUERQUE TRAFFIC ENGINEER, DRAFTED BY GARDNER, MASON & ASSOC.

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|

BENCH MARKS
Brass Cap - STA. N.M. 362-8
Located in median of San Mateo Blvd. N/E. 22' North of intersection with Cutler Ave., N/E
Elev. 5204.26

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY — DATE
INSPECTORS ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
AS BUILT CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

ENGINEER'S SEAL

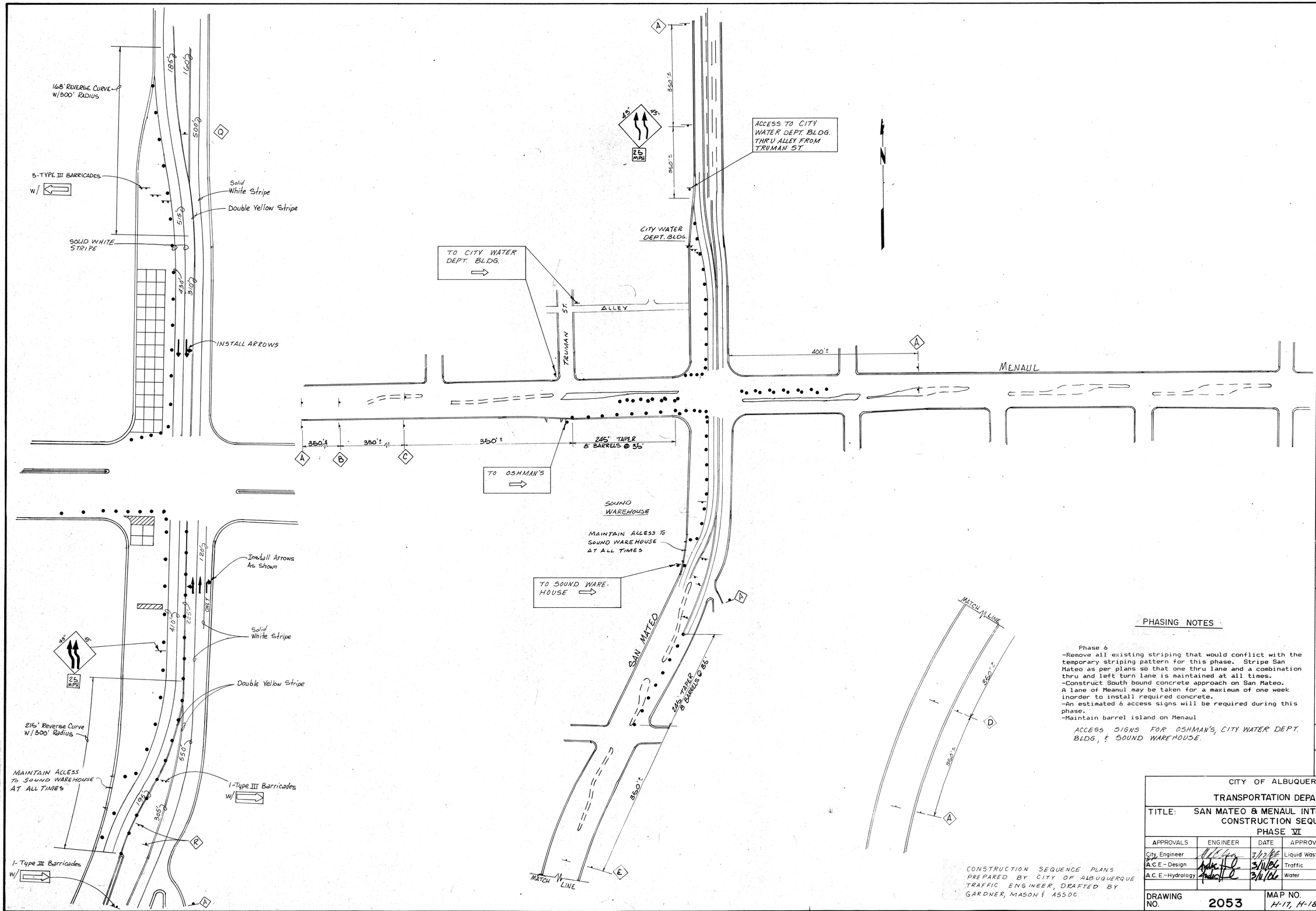
| NO. | DATE | REMARKS / REVISIONS | BY |
|---|---|---|---|
| | | DESIGN | |
| | | DESIGNED BY C.H. | DATE 8-23-85 |
| | | DRAWN BY RG | DATE 8-23-85 |
| | | CHECKED BY GG | DATE 8-23-85 |

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT
TITLE: SAN MATEO & MENAUL INTERSECTION
CONSTRUCTION SEQUENCE PLAN
PHASE V

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 3/7/86 | Liquid Waste | n/a SR | 12/12/85 |
| A.C.E.-Design | | 3/4/86 | Traffic | D.O. Parks | 12/26/85 |
| A.C.E.-Hydrology | | 3/4/86 | Water | n/a SR | 12/12/85 |

DRAWING NO. 2053
MAP NO. H-17, H-18
SHEET 6-10 OF 51

1 2 3 4 5 6 7 8 9 10 11 12
26 20 93 49 89




## PHASING NOTES

Phase 6
-Remove all existing striping that would conflict with the temporary striping pattern for this phase. Stripe San Mateo as per plans so that one thru lane and a combination thru and left turn lane is maintained at all times.
-Construct South bound concrete approach on San Mateo. A lane of Meanul may be taken for a maximum of one week inorder to install required concrete.
-An estimated 6 access signs will be required during this phase.
-Maintain barrel island on Menaul

ACCESS SIGNS FOR OSHMAN'S, CITY WATER DEPT. BLDG, & SOUND WAREHOUSE.

CONSTRUCTION SEQUENCE PLANS PREPARED BY CITY OF ALBUQUERQUE TRAFFIC ENGINEER, DRAFTED BY GARDNER, MASON & ASSOC.

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
INSPECTORS
ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
Brass Cap - STA. N.M. 347-8
Located in median of San Mateo Blvd. N/E
22' North of intersection with Cutler Ave. N/E
Elev. 5204.26

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

| NO. | REMARKS | DATE | BY |
|---|---|---|---|
| | REVISIONS | | |
| | DESIGN | 8-24-95 | |
| | DESIGNED BY C.H. | DATE 8-24-95 | |
| | DRAWN BY R.R. | DATE 8-24-95 | |
| | CHECKED BY G.G. | DATE 8-24-95 | |

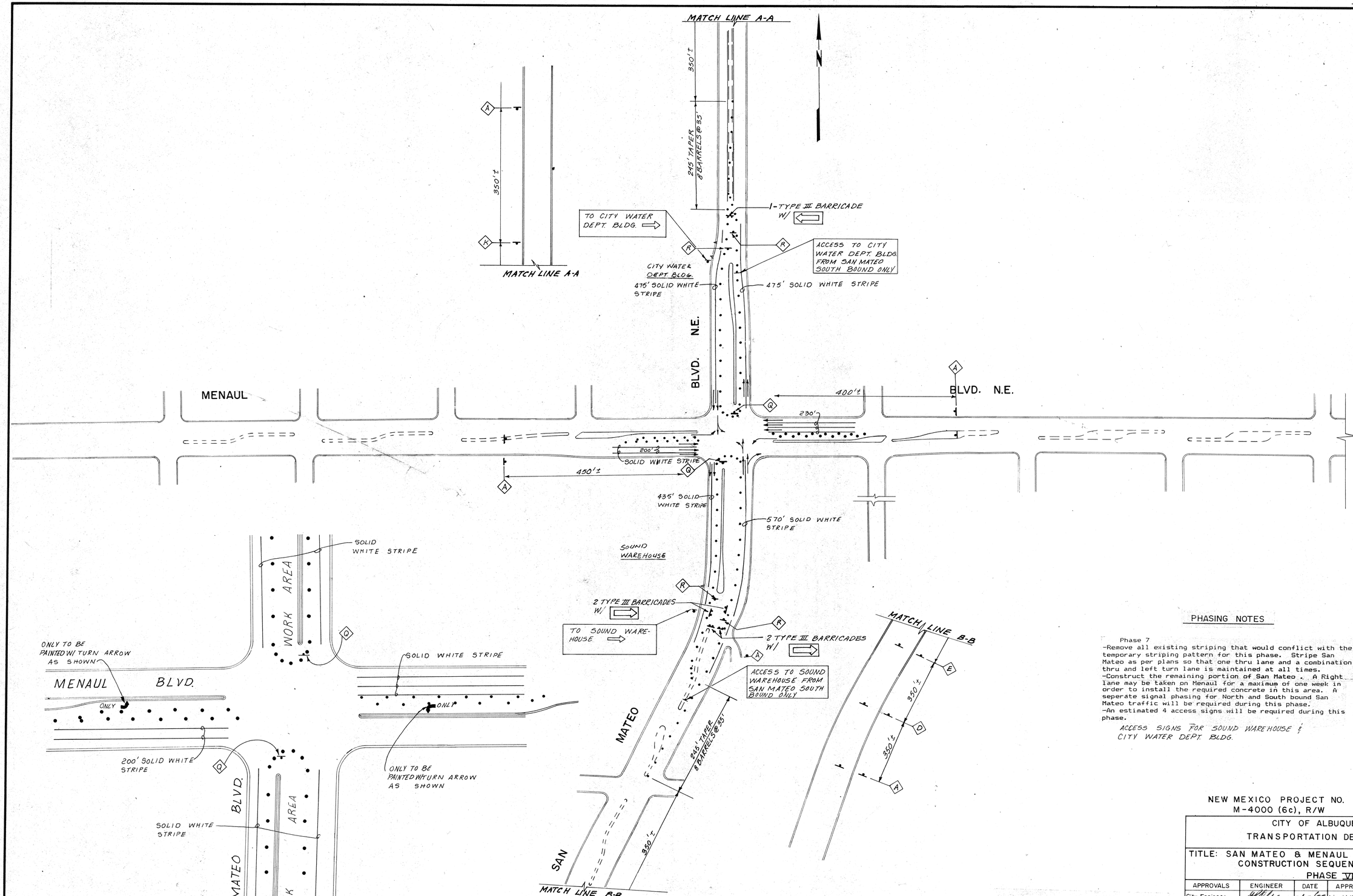
CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION CONSTRUCTION SEQUENCE PLAN PHASE VI

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 3/12/96 | Liquid Waste | N/A SR | 12/15/95 |
| A.C.E.- Design | | 3/11/96 | Traffic | D.O. Peck | 12/15/95 |
| A.C.E.-Hydrology | | 3/11/96 | Water | N/A SR | 12/15/95 |

DRAWING NO. 2053 | MAP NO. H-17, H-18 | SHEET 6-11 OF 51

26 | 205356 | 0619




## PHASING NOTES

Phase 7
-Remove all existing striping that would conflict with the temporary striping pattern for this phase. Stripe San Mateo as per plans so that one thru lane and a combination thru and left turn lane is maintained at all times.
-Construct the remaining portion of San Mateo. A Right lane may be taken on Menaul for a maximum of one week in order to install the required concrete in this area. A seperate signal phasing for North and South bound San Mateo traffic will be required during this phase.
-An estimated 4 access signs will be required during this phase.

ACCESS SIGNS FOR SOUND WAREHOUSE & CITY WATER DEPT. BLDG.

CONSTRUCTION SEQUENCE PLANS PREPARED BY CITY OF ALBUQUERQUE TRAFFIC ENGINEER, DRAFTED BY GARDNER, MASON & ASSOC.

NEW MEXICO PROJECT NO.
M-4000 (6c), R/W

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: SAN MATEO & MENAUL INTERSECTION CONSTRUCTION SEQUENCE PLAN
PHASE VII

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 3/13/86 | Liquid Waste | N/A BR | 12/20/85 |
| A.C.E.- Design | | 3/11/86 | Traffic | D.O.T. | 12/6/85 |
| A.C.E.- Hydrology | | 3/11/86 | Water | N/A BR | 12/4/85 |

DRAWING NO. 2053 | MAP NO. H-17, H-18 | SHEET 6-12 OF 51

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|

BENCH MARKS
Brass Cap - STA. M.N. 367-8
Located in median of San Mateo Blvd. N.E. 22' North of intersection with Cutler Ave. N.E.
Elev. 5204.26

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
AS-BUILTED BY — DATE
CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

ENGINEER'S SEAL

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | |

DESIGNED BY — CITY — DATE 8-24-85
DRAWN BY — BG — DATE 8-24-85
CHECKED BY — GG — DATE 8-24-85

1 2 3 4 5 6 7 8 9 10 11 12
26 | 20535 | 1851