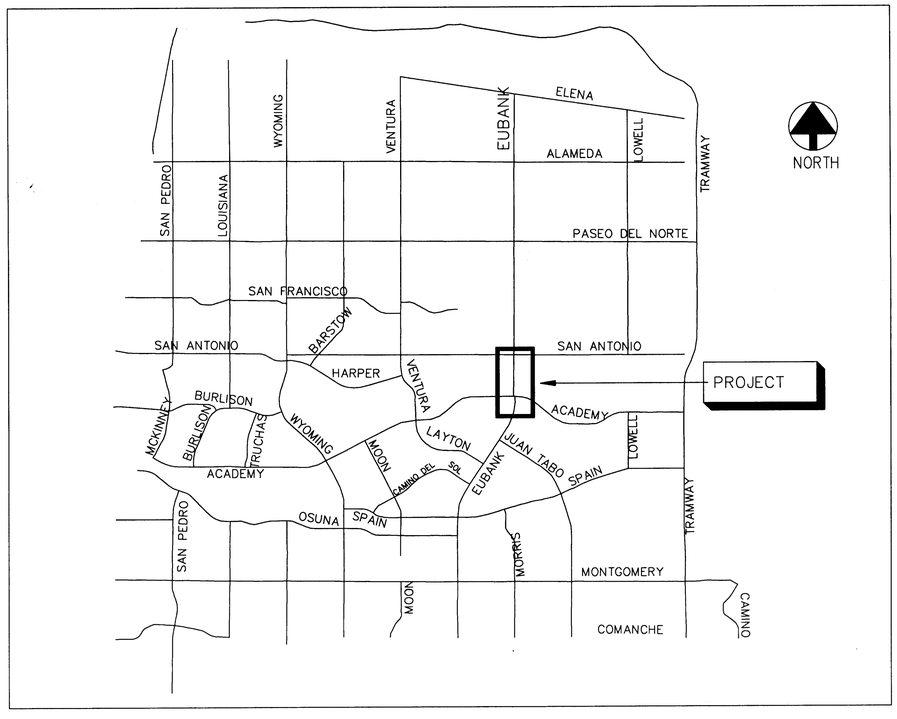
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION
CONSTRUCTION PLANS
EUBANK BOULEVARD
ACADEMY TO SAN ANTONIO

LOCATION MAP – ZONE ATLAS D-20



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APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
DATE 3-11-98

RECORD DRAWING

The improvements shown on this drawing have been as-built in accordance with field information provided by DVC Engineering, CCM Construction (Contractor), and BSN Surveying (Surveyor) to reflect construction actually accomplished to the best of my knowledge and belief.

Debra Vaughan-Graff, P.E. 11952 — Date 7/31/97

26 4405.9098D20

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CONSULTING ENGINEER
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REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

ENGINEERS STAMP & SIGNATURE

Debra Vaughan-Graff 4/3/96

APPROVALS	ENGINEER	DATE
DRC Chairman		4-12-96
Transportation		4-11-96
Water/Wastewater		4/4/96
Hydrology		4/5/96
Parks		
Constr. Mngmt.		

City Engineer — Date 4/12/96

City Project No. 4405-90

SHEET 1 OF 46

GENERAL NOTES:

1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 AS AMENDED THROUGH UPDATE #6.

2. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.

3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.

4. THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.

5. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED IN KIND BY CONTRACTOR TO LOCATION AND IN KIND AS EXISTING OR AS INDICATED BY THIS PLAN SET.

6. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.

7. REPLACEMENT OF IRRIGATION LINE UNDER NEW BRIDGE STRUCTURE SHALL BE COMPLETED IN CONJUNCTION WITH THE BRIDGE INSTALLATION. IF REPLACEMENT OCCURS BETWEEN APRIL AND NOVEMBER THE NEW LINE MUST BE COMPLETED PRIOR TO REMOVING THE OLD LINE FROM SERVICE. THE MAXIMUM AMOUNT OF TIME WITHOUT IRRIGATION WATER FOR THE GOLF COURSE SHALL NOT EXCEED 12 HOURS. COORDINATE IRRIGATION SHUT OFF WITH DAN TURNHAM AT 822-8899

8. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL COSTS FOR THE REPAIR OF ANY AND ALL DAMAGE TO THE WORK, INCLUDING, EXISTING OR NEW, NOT SPECIFICALLY DESIGNATED FOR REMOVAL OR RECONSTRUCTION, AS MAY BE CAUSED BY HIS OPERATIONS. ALL COSTS FOR SUCH REPAIR SHALL BE AT CONTRACTOR'S EXPENSE WITHOUT CHANGE IN CONTRACT PRICE.

9. CONTRACTOR MUST MAINTAIN GOLF CART ACCESS UNDER EUBANK AT ALL TIMES. PATH SHALL BE SURFACED, SAFE AND FREE OF DEBRIS. COORDINATE GOLF CART ACCESS WITH CONSTRUCTION TRAFFIC CONTROL PLANS.

10. RETURN ALL SALVAGEABLE MATERIAL, SUCH AS TRAFFIC SIGNS, LIGHTING STANDARDS, AND THE LIKE TO THE CITY OF ALBUQUERQUE PINO YARDS, 5501 PINO ROAD NE. CONTRACTOR IS RESPONSIBLE FOR PROPER REMOVAL OF ALL SALVAGEABLE ITEMS. IF ITEMS ARE DAMAGED DURING REMOVAL OR TRANSPORT, CONTRACTOR SHALL REPLACE ITEMS AT NO ADDITIONAL COST TO THE CITY. CALL TRAFFIC ENGINEERING (857-8000) TWO (2) WORKING DAYS PRIOR TO TRANSPORTING SALVAGALBE MATERIAL.

11. REMOVE EXISTING 8' DIA. CULVERTS. CONTRACTOR SHALL COORDINATE REMOVAL WITH GOLF CART ACCESS AND TRAFFIC CONTROL PLANS. CONTRACTOR SHALL TAKE CARE IN REMOVING CULVERTS. CULVERTS WILL BE SALVAGED TO AMAFCA. AMAFCA WILL PROVIDE PICK UP. CALL JOHN KELLY OR LARRY TRUJILLO AT 884-2215 TO ARRANGE PICK UP. CONTRACTOR WILL BE RESPONSIBLE FOR LOADING CULVERTS ONTO AMAFCA'S TRUCK. IF CULVERTS ARE NOT SALVAGEABLE, CONTRACTOR SHALL DISPOSE OF THEM IN ACCORDANCE WITH EPA REGULATIONS. ALL WORK ASSOCIATED WITH REMOVING, LOADING AND/OR DISPOSING OF 8' DIA. CULVERTS SHALL BE CONSIDERED INCIDENTAL.

12. EXISTING STREET LIGHTING TO REMAIN OPERATIONAL UNTIL NEW LIGHTS ARE IN PLACE AND OPERATIONAL..

13. WHEN CONFLICTS EXIST BETWEEN THE "STANDARD SPECIFICATIONS" AND THE "PLANS" ENTITLED EUBANK BOULEVARD - SAN ANTONIO TO ACADEMY, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY FOR RESOLUTION.

14. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS GOVERNING CONSTRUCTION SAFETY AND HEALTH.

15. ALL ELECTRICAL, TELEPHONE, CABLE TV, AND OTHER UTILITY LINES, CABLES, AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION, SHALL BE COORDINATED WITH THAT UTILITY OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS.

16. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT AND MAINTAIN ALL EXISTING UTILITIES.

17. A DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL, AND UNSUITABLE MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE ENGINEER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.

18. THE CONTRACTOR SHALL BE REQUIRED TO CONFINE ITS WORK WITHIN THE CONSTRUCTION LIMITS AND/OR PUBLIC RIGHT-OF-WAY OR EASEMENTS TO PRESERVE EXISTING VEGETATION AND PRIVATE PROPERTY. THE CONTRACTOR SHALL AT ALL TIMES TRY TO MINIMIZE THE DISTURBANCE TO EXISTING VEGETATION.

19. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS PRIOR TO COMMENCING CONSTRUCTION (I.E. BARRICADING, TOPSOIL DISTURBANCE AND EXCAVATION PERMITS, ETC.)

20. ALL TRENCHES AND EXCAVATION SHALL BE SLOPED, SHORED, SHEETED, BRACED, OR OTHERWISE SUPPORTED ACCORDING TO OSHA CONSTRUCTION SAFETY AND HEALTH STANDARDS. JOB SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

21. THE CONTRACTOR SHALL REPLACE IN KIND ALL EXISTING LANDSCAPING, IRRIGATION, SOD, WALLS AND FENCES REMOVED OR DAMAGED DURING CONSTRUCTION, UNLESS OTHERWISE NOTED.

22. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING HOMES AT ALL TIMES.

23. ALL EXISTING TRAFFIC SIGNS IDENTIFIED AS SALVAGED TO CITY SHALL BE SALVAGED TO TRAFFIC ENGINEERING AT PINO YARDS. CONTACT TRAFFIC ENGINEERING AT 857-8028 - THREE (3) WORKING DAYS PRIOR TO REMOVAL.

24. REMOVAL AND DISPOSAL OF CONCRETE COLLARS AND OTHER APPURTENANCES AROUND EXISTING MANHOLES AND VALVE COVERS SHALL BE INCIDENTAL TO ADJUSTING TO FINAL GRADE.

25. FOR PURPOSES OF THE PROJECT THE TERM ENGINEER SHALL REFER TO THE ENGINEER RESPONSIBLE FOR CONSTRUCTION INSPECTION OF THE PROJECT.

26. ALL REFERENCES TO COMPACTED BACKFILL OR COMPACTED SUBGRADE SHALL MEAN SOIL COMPACTED TO 95% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557 UNLESS OTHERWISE NOTED.

27. CONTRACTOR SHALL SUBMIT A PLAN FOR TEMPORARY PROTECTION OF WORK PRIOR TO NOTICE TO PROCEED.

28. JONES INTERCABLE TO INSTALL 4" CONDUIT ON WEST SIDE OF PROJECT CONTRACTOR TO COORDINATE INSTALLATION WITH JONES INTERCABLE. CONTACT RITA BANNER 761-6215

WATERLINE NOTES:

1. ALL FITTINGS SHALL HAVE RESTRAINED JOINTS. RESTRAINED JOINTS SHALL ALSO BE PROVIDED AS SPECIFIED IN THE PLANS.

2. TEMPORARY WATERLINE CONNECTIONS FOR CONSTRUCTION PURPOSES SHALL BE INCIDENTAL TO THE PROJECT.

3. THE CONTRACTOR SHALL KEEP OR DISPOSE OF ALL REMOVED WATERLINES AND FITTINGS. COST IS INCIDENTAL TO PROJECT.

4. CONTRACTOR SHALL DISCHARGE CHLORINATED WATER FROM PRESSURE/POTABILITY TEST TO NEAREST SANITARY SEWER MANHOLE. CONTRACTOR SHALL NOTIFY WASTE WATER PLANT FIVE (5) DAYS PRIOR TO DISCHARGING. NO CHLORINATED WATER SHALL BE DISCHARGED INTO OPEN ARROYOS, STREETS, PUBLIC AND OR PRIVATE RIGHT-OF-WAY.

ENVIRONMENTAL NOTES:

1. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE. THIS MAY BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AT THE CONSTRUCTION LIMITS AND WETTING THE SOIL TO KEEP IT FROM BLOWING.

2. THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.

3. ALL GRADING WITHIN THE PINO ARROYO SHALL PROVIDE FOR EROSION CONTROL AND THE SAFE PASSAGE OF THE 10-YEAR DESIGN STORM RUNOFF DURING THE CONSTRUCTION PHASE.

WATER SHUT OFF NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR THE TIMING AND COORDINATION OF ANY WATER SHUTOFF REQUIREMENTS IN CONJUNCTION WITH THE COMPLETION OF THE PROJECT.

2. AT LEAST FIVE (5) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT PWD/WATER SYSTEM DIVISION (857-8200) TO INITIATE IMPLEMENTATION OF ANY WATER SHUTOFFS AS NECESSARY.

EXISTING UTILITY NOTES:

1. THESE DRAWINGS REFLECT INFORMATION ON UTILITIES GATHERED BY SITE INSPECTION, SITE SURVEY, DISCUSSIONS WITH LOCAL UTILITIES, ENGINEERING OFFICIALS, AND PREVIOUS CONSTRUCTION DRAWINGS PROVIDED TO OR OBTAINED BY THE ENGINEER. IT IS POSSIBLE THAT THE EXACT LOCATION OF THE LINES IN THE IMMEDIATE VICINITY OF THE PROJECT MAY BE SLIGHTLY DIFFERENT FROM THE LOCATION SHOWN ON THIS DRAWING. IF ADDITIONAL LINES ARE ENCOUNTERED THEY SHALL BE EXPOSED AND IDENTIFIED BY THE CONTRACTOR. WHERE ADDITIONAL LINES AND/OR DIFFERING LOCATIONS ARE ENCOUNTERED, THE CONTRACTOR SHALL REQUEST THAT THE ENGINEER MAKE A RULING AS TO ANY NECESSARY CHANGE OF MATERIALS, REROUTING, ABANDONING OR RELOCATING OF SUCH LINES. GAS COMPANY, PNM, US WEST AND/OR CABLE TV SHALL BE THE SOLE AUTHORITY IN RULING ON THE DISPOSITION OF THEIR EXISTING LINES. ALL LINES ENCOUNTERED THAT INTERFERE WITH CONSTRUCTION SHALL BE RELOCATED TO CLEAR CONSTRUCTION (IF ACTIVE) AND SHALL BE REMOVED (IF INACTIVE) BY THE CONTRACTOR UNDER THIS CONTRACT. ALL BIDDERS ARE CAUTIONED TO INVESTIGATE SITE CONDITIONS BEFORE SUBMITTING THEIR BIDS. ALL EXISTING PIPING SHALL HAVE A MINIMUM EARTH COVERAGE AND DEPTHS SHALL BE ADJUSTED AS REQUIRED TO PROVIDE MINIMUM COVERAGE DUE TO NEW GRADES OR CONSTRUCTION.

AS BUILT INFORMATION

CONTRACTOR	
STAKED BY	DATE
INSPECTED BY	DATE
VERIFICATION BY	DATE
DRAWINGS BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS

ACS STATION 8-21
ELEVATION 5702.26
APPROX. 375' WEST OF EUBANK
ON ACADEMY - NORTH CURB LINE

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	REX VOLGER	

ENGINEER'S SEAL

RECORD DRAWING

The improvements shown on this drawing have been as-built in accordance with field information provided by DVC Engineering, CCM Construction (Contractor), and BSN Surveying (Surveyor) to reflect construction actually accomplished to the best of my knowledge and belief.

Debra Vaughan-Cleff, P.E. 11992 — Date 7/21/97

No.	Date	REMARKS	BY

REVISIONS

DESIGN

Designed By: Debra Vaughan-Cleff, PE
Drawn By: RGW
Checked By: DVC/RGV

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Consulting Engineer
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Fax: (505) 828-1215

File: ED-GN.DWG

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

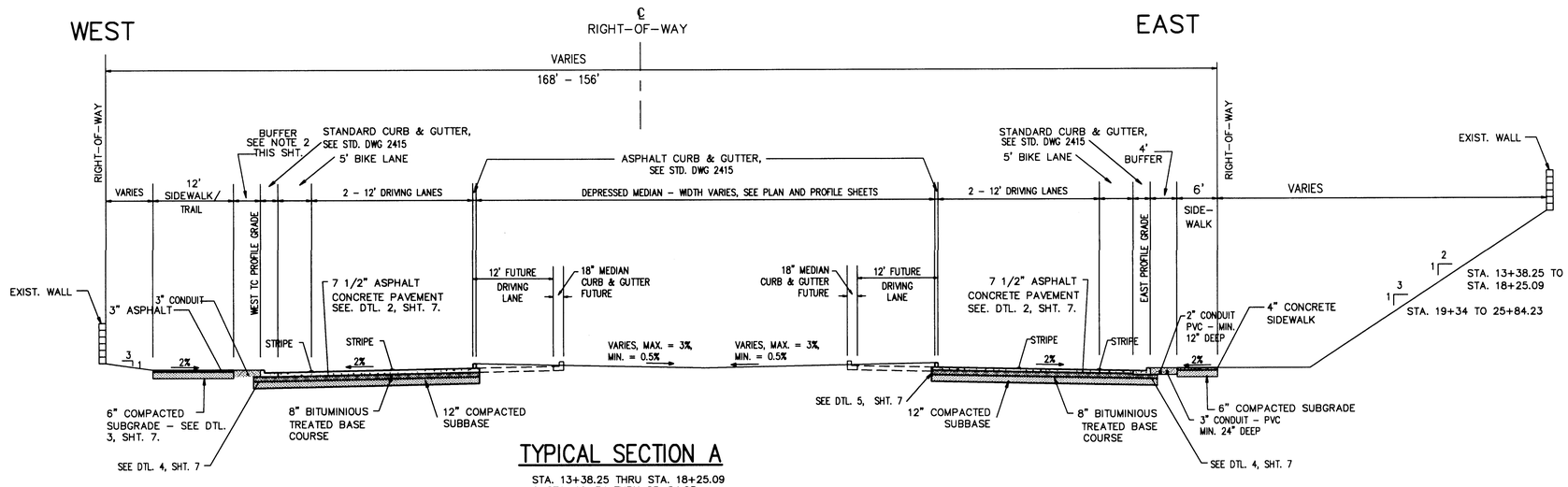
TITLE: GENERAL NOTES
EUBANK BLVD.

Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4405-90	D-20	2	46

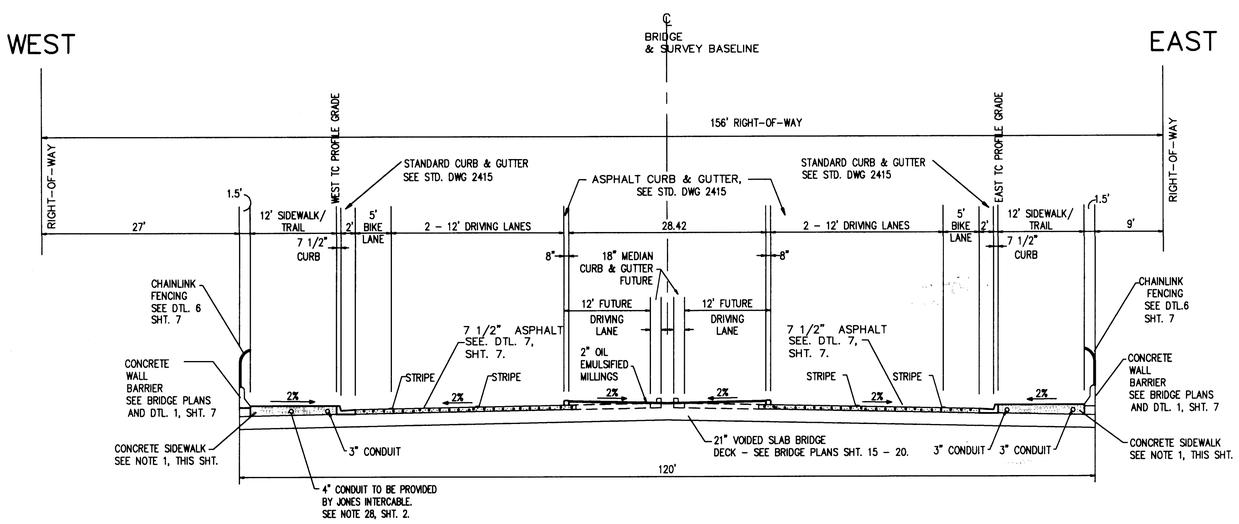
SCANNED BY
RY LASON

SCALE
1" = 10' 0 10 20 30



TYPICAL SECTION A

STA. 13+38.25 THRU STA. 18+25.09
& STA. 19+34 THRU 25+84.23
SCALE 1" = 10'-0"



TYPICAL SECTION B

STA. 18+25.09THRU STA. 19+34.18
SCALE 1" = 10'-0"

NOTES:

1. PROVIDE CONCRETE SIDEWALK AS SHOWN. CONCRETE DEPTH VARIES FROM 14" TO 17" OVER BRIDGE ONLY. RESUME TYPICAL 4" SIDEWALK EITHER SIDE OF BRIDGE.
2. BUFFER IS 4' FROM STA. 13+38.25 THRU STA. 18+25.09 AND VARIES FROM STA. 19+34 THRU STA. 25+84.23

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

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	REX VOLGER	

ENGINEER'S SEAL
DEBRA VAUGHAN-CLEFF NEW MEXICO 11992 REGISTERED PROFESSIONAL ENGINEER
4/12/96

RECORD DRAWING

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Debra Vaughan-Cleff, P.E. 11992 — Date 7/31/97

No.	Date	REMARKS	BY
		REVISIONS	
		DESIGN	

Designed By — Debra Vaughan-Cleff, PE
Drawn By — RGW
Checked By — DVC/RGV

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: TYPICAL SECTIONS EUBANK

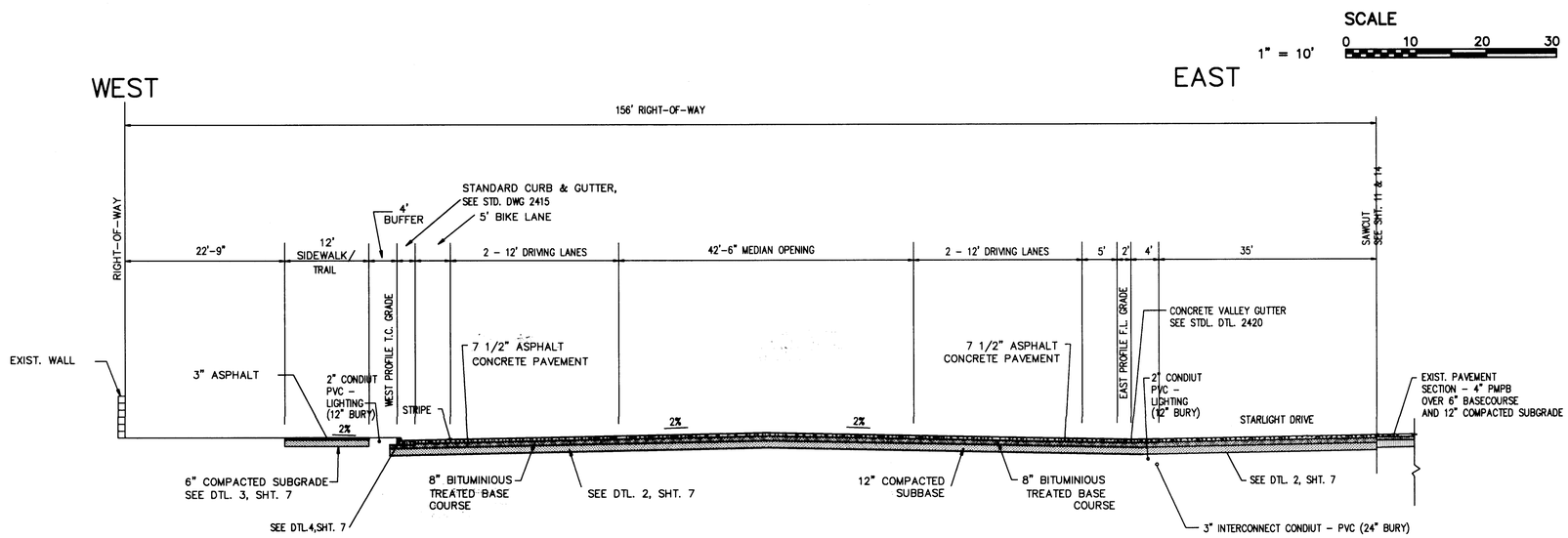
B.Y.H. 4-12-96

Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4405-90	D-20	3	46

SCALE 1" = 50'

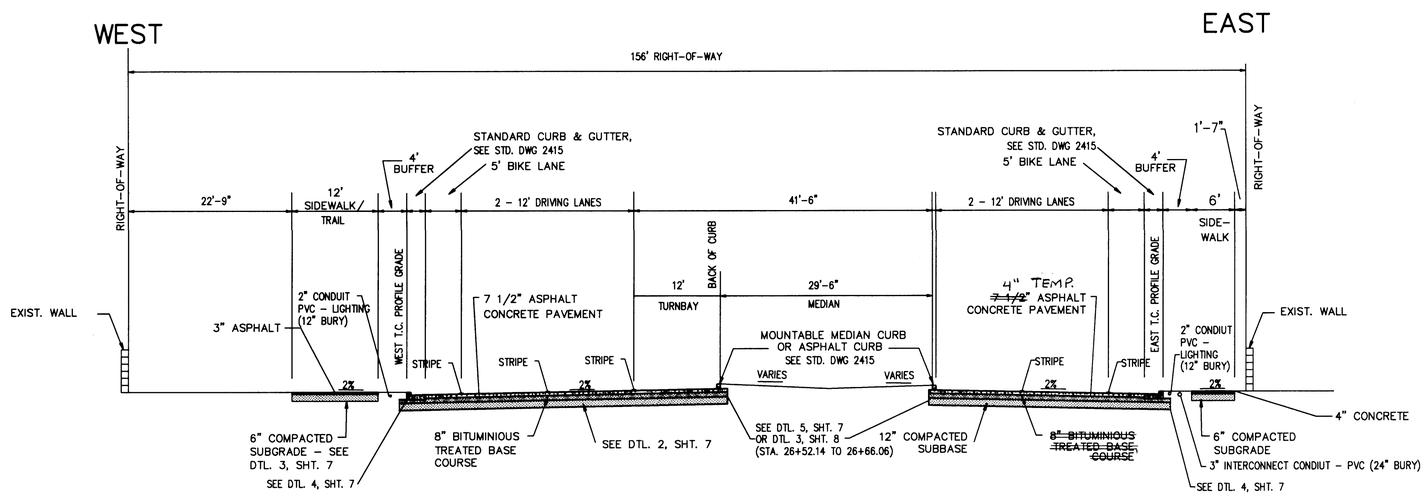
SCANNED BY LASON



TYPICAL SECTION C

STA. 25+84.23 THRU 26+28.78

SCALE 1" = 10'-0"



TYPICAL SECTION D

STA. 26+52.14 THRU STA. ~~26+86.25~~ 28+00

SCALE 1" = 10'-0"

NOTES:

AS BUILT INFORMATION

CONTRACTOR
STAKED BY — DATE
INSPECTED BY — DATE
VERIFICATION BY — DATE
DRAWINGS BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

ACS STATION 8-21
ELEVATION 5702.26
APPROX. 375' WEST OF EUBANK ON ACADEMY - NORTH CURB LINE

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	REX VOLGER	

ENGINEER'S SEAL

DEBRA VAUGHAN-CLEFF NEW MEXICO 11992 REGISTERED PROFESSIONAL ENGINEER
4/14/96

RECORD DRAWING

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Debra Vaughan-Cleff, P.E. 11992 — Date 7/31/97

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No.	Date	REMARKS	BY
		REVISIONS	
		DESIGN	

Designed By — Debra Vaughan-Cleff, PE
Drawn By
Checked By

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

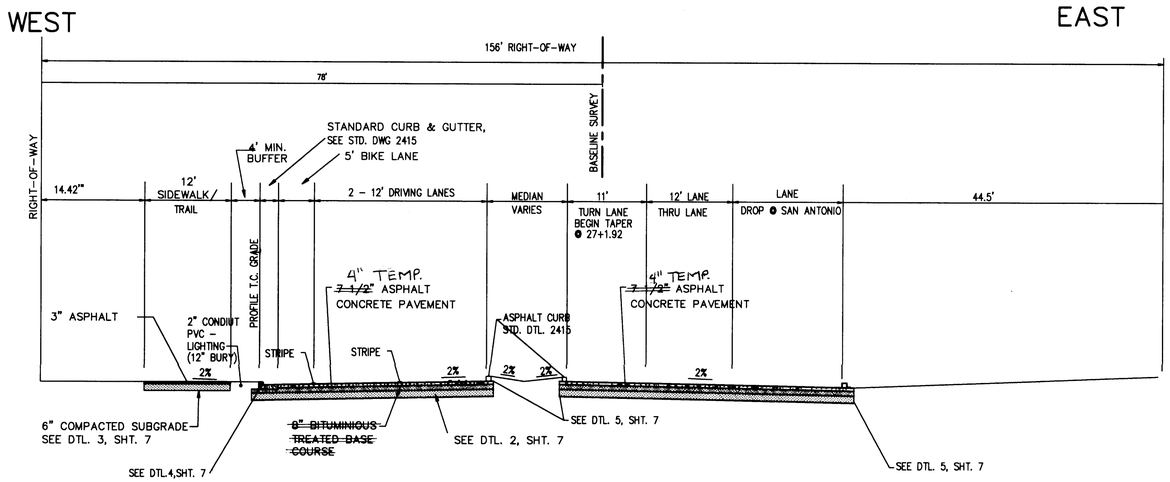
TITLE: TYPICAL SECTIONS EUBANK

Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4405-90	D-20	4	46

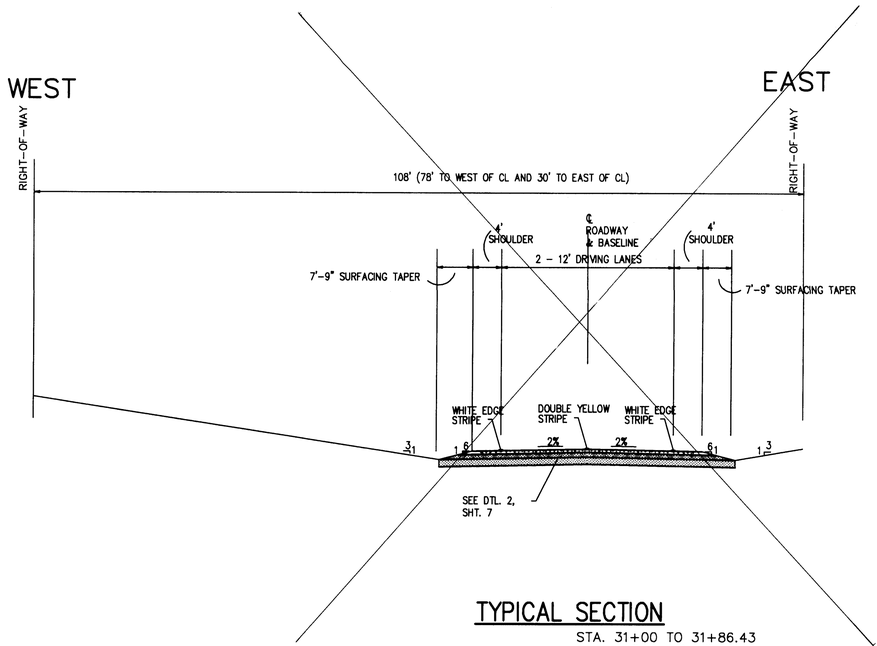
SCANNED BY BY LASON

SCALE
1" = 10' 0 10 20 30



TYPICAL SECTION E

STA. 28+00 TO ~~28+65~~ 29+00
SCALE 1" = 10'-0"



TYPICAL SECTION

STA. 31+00 TO 31+86.43
SCALE 1" = 10'-0"

SECTION NOT USED

NOTES:

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

BENCH MARKS
ACS STATION 8-21
ELEVATION 5702.26
APPROX. 375' WEST OF EUBANK ON ACADEMY - NORTH CURB LINE

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	REX VOLGER	

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER — DEBRA VAUGHAN-CLEFF — NEW MEXICO — 11992
4/10/90

No.	Date	REMARKS	BY
		REVISIONS	

DESIGN
Designed By — Debra Vaughan-Cleff, PE
Drawn By
Checked By

RECORD DRAWING

The improvements shown on this drawing have been as-build in accordance with field information provided by DVC Engineering, CCM Construction (Contractor), and BSN Surveying (Surveyor) to reflect construction actually accomplished to the best of my knowledge and belief.

REGISTERED PROFESSIONAL ENGINEER — DEBRA VAUGHAN-CLEFF — NEW MEXICO — 11992
Debra Vaughan-Cleff, P.E. 11992 — Date 7/31/97

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: TYPICAL SECTIONS EUBANK

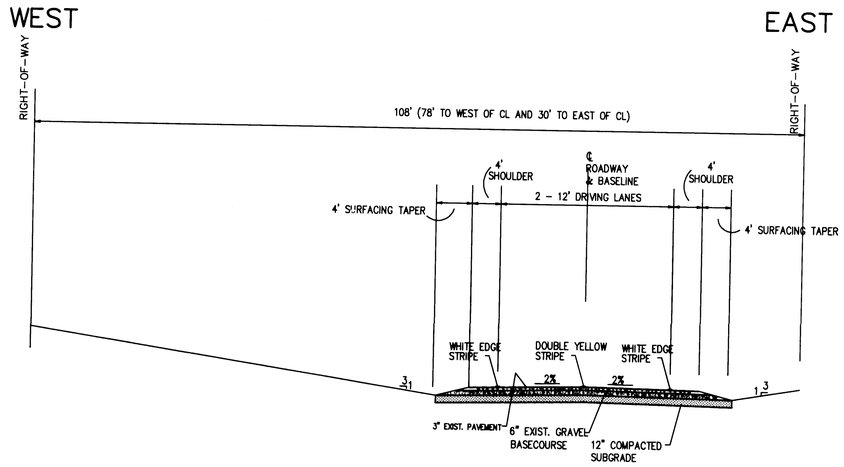
Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4405-90	D-20	5	46

SCANNED BY BY LASON

SCALE

1" = 10' 0 10 20 30



EXISTING TYPICAL SECTION

END OF PROJECT
SCALE 1" = 10'-0"

NOTES:

AS BUILT INFORMATION
CONTRACTOR
STAKED BY — DATE
INSPECTED BY — DATE
VERIFICATION BY — DATE
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MICRO-FILM INFORMATION
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NO.

BENCH MARKS
ACS STATION 8-21
ELEVATION 5702.26
APPROX. 375' WEST OF EUBANK ON ACADEMY - NORTH CURB LINE

SURVEY INFORMATION
FIELD NOTES

NO.	BY
	REX VOLGER

ENGINEER'S SEAL

DEBRA S. VAUGHAN-CLEFF NEW MEXICO 11992 REGISTERED PROFESSIONAL ENGINEER
9/10/96

RECORD DRAWING

The improvements shown on this drawing have been as-build in accordance with field information provided by DVC Engineering, CCM Construction (Contractor), and BSN Surveying (Surveyor) to reflect construction actually accomplished to the best of my knowledge and belief.

Debra Vaughan-Cleff, P.E. 11992 — Date 7/21/97

DEBRA S. VAUGHAN-CLEFF NEW MEXICO 11992 REGISTERED PROFESSIONAL ENGINEER

DVC Debra Vaughan-Cleff, P.E.
DVC Consulting Engineer
DVC 6212 Torrean NE
DVC Albuquerque, New Mexico 87109
DVC (505) 249-6196
DVC Fax (505) 828-1215

No.	Date	REMARKS	BY
		REVISIONS	
		DESIGN	

Designed By — Debra Vaughan-Cleff, PE
Drawn By
Checked By

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

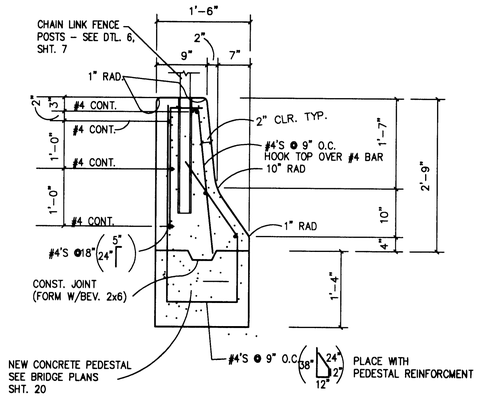
TITLE: TYPICAL SECTIONS EUBANK

B.Q.B. 4-12-96

Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

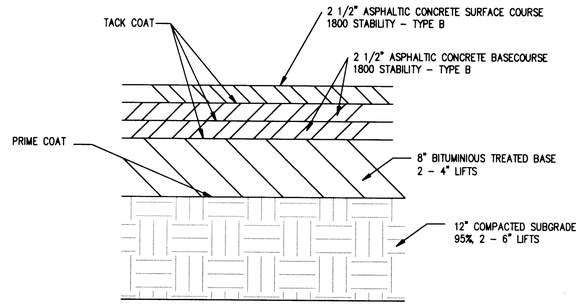
City Project No.	Zone Map No.	Sheet	Of
4405-90	D-20	6	46

SCANNED BY RY LARSON



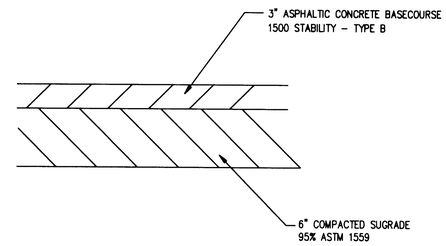
DETAIL 1 – CONCRETE WALL BARRIER

NTS



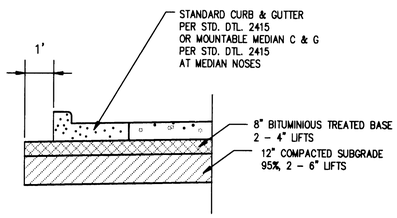
DETAIL 2 – ROADWAY PAVEMENT DETAIL

NTS



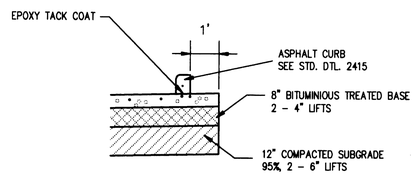
TRAIL, CART PATHS, AND MAINTENANCE ROAD PAVEMENT – DETAIL 3

NTS



DETAIL 4 – PAVING UNDER CURB & GUTTER

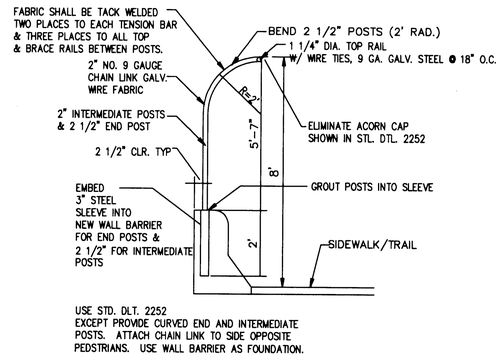
N.T.S



NOTE: FOR MEDIAN CURBING & TEMPORARY ASPHALT CURBING

DETAIL 5 – PAVING UNDER ASPHALT CURB

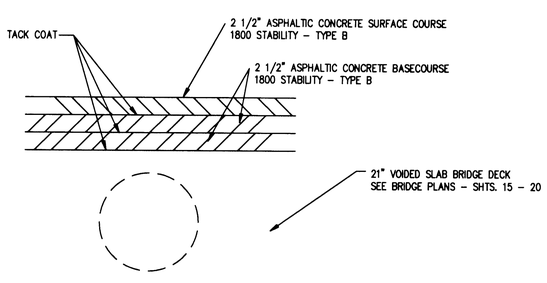
N.T.S



USE STD. DLT. 2252
EXCEPT PROVIDE CURVED END AND INTERMEDIATE POSTS. ATTACH CHAIN LINK TO SIDE OPPOSITE PEDSTRIANS. USE WALL BARRIER AS FOUNDATION.

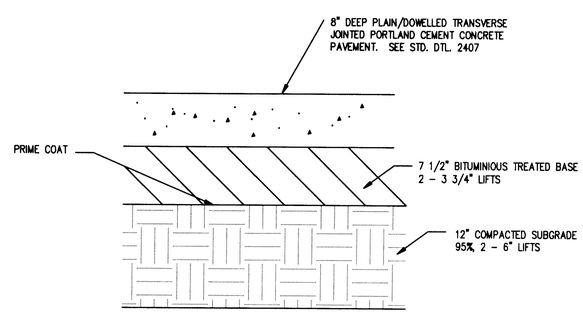
DETAIL 6 – SPECIAL CHAIN LINK FENCE

N.T.S



DETAIL 7 – PAVEMENT OVER BRIDGE

NTS



DETAIL 8 – CONCRETE PAVEMENT DETAIL

NTS

NOTES:

RECORD DRAWING

The improvements shown on this drawing have been as-built in accordance with field information provided by DVC Engineering, CCM Construction (Contractor), and BSN Surveying (Surveyor) to reflect construction actually accomplished to the best of my knowledge and belief.

Debra Vaughan-Cleff, P.E. 11992 — 7/3/97 Date

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DVC (505) 249-6196
DVC Fax (505) 828-1215

File:

No.	Date	REMARKS	BY
		REVISIONS	

Designed By: Debra Vaughan-Cleff, PE
Drawn By:
Checked By:

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

BENCH MARKS
ACS STATION 8-21
ELEVATION 5702.26
APPROX. 375' WEST OF EUBANK
ON ACADEMY – NORTH CURB LINE

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE
REX VOLGER

ENGINEER'S SEAL
DEBRA VAUGHAN-CLEFF NEW MEXICO 11992 REGISTERED PROFESSIONAL ENGINEER
Debra Vaughan-Cleff 4/14/96

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

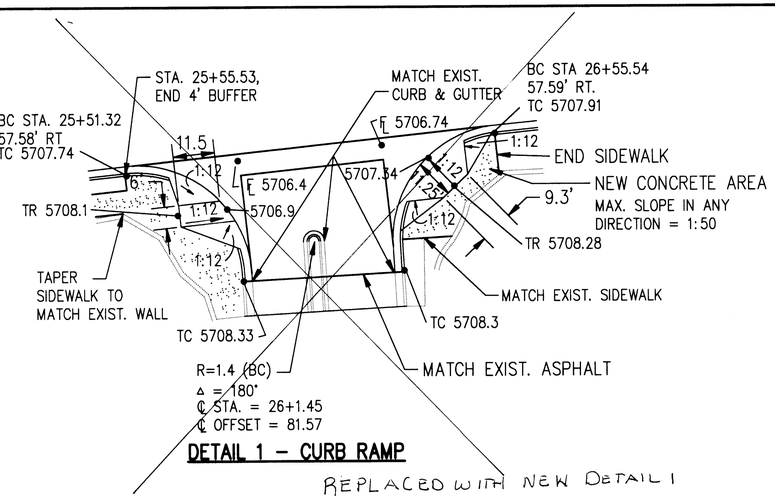
TITLE: MISC. DETAILS EUBANK

B.J.J. 4-12-96

Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

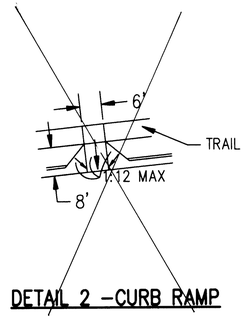
City Project No.	Zone Map No.	Sheet	Of
4405-90	D-20	7	46

SCANNED BY BY LASON



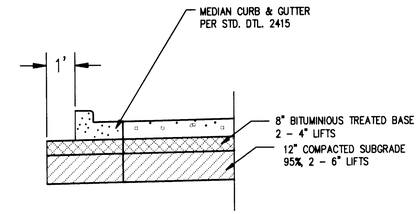
DETAIL 1 – CURB RAMP

REPLACED WITH NEW DETAIL 1 THIS SHEET

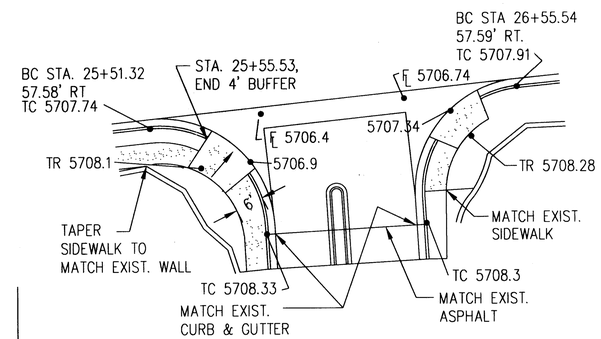


DETAIL 2 –CURB RAMP

NOT USED

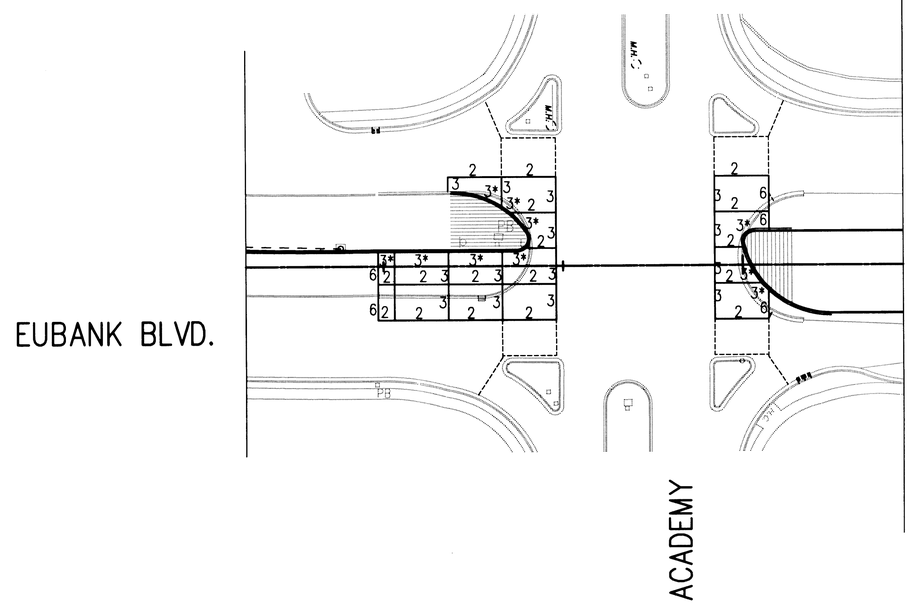


DETAIL 3 – PAVING UNDER MEDIAN CURB & GUTTER



DETAIL 1 – CURB RAMP

SCALE: 1" = 20'



JOINT TYPE – COA STD. DTL. 2450 & 2451

1 – SAWED JOINT
2 – DOWELED JOINT
3 – KEYED JOINT
3* – KEYED JOINT – SEE NOTE 1
4 – TIED JOINT
5 – EXPANSION JOINT
6 – TRANSITION JOINT

DETAIL 4 – CONCRETE PAVEMENT REPLACEMENT & JOINT LOCATION

NOTES:

1. PROVIDE TYPE 3 JOINT ABUTING C&G PROVIDE PREFORMED JOINT FILLER FOR FULL DEPTH OF PCCP

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

BENCH MARKS
ACS STATION 8-21
ELEVATION 5702.26
APPROX. 375' WEST OF EUBANK
ON ACADEMY – NORTH CURB LINE

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	REX VOLGER	

ENGINEER'S SEAL
DEBRA VAUGHAN-CLEFF
NEW MEXICO
11992
REGISTERED PROFESSIONAL ENGINEER
4/10/96

RECORD DRAWING

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Debra Vaughan-Cleff, P.E. #11992 — Date 7/31/97

DEBRA VAUGHAN-CLEFF
NEW MEXICO
11992
REGISTERED PROFESSIONAL ENGINEER

No.	Date	REMARKS	BY
		REVISIONS	

DESIGN
Designed By — Debra Vaughan-Cleff, PE
Drawn By
Checked By

DVC Debra Vaughan-Cleff, P.E.
DVC Consulting Engineer
DVC 6212 Torreon NE
DVC Albuquerque, New Mexico 87109
DVC (505) 240-6196
DVC Fax (505) 828-1215

File:

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE:

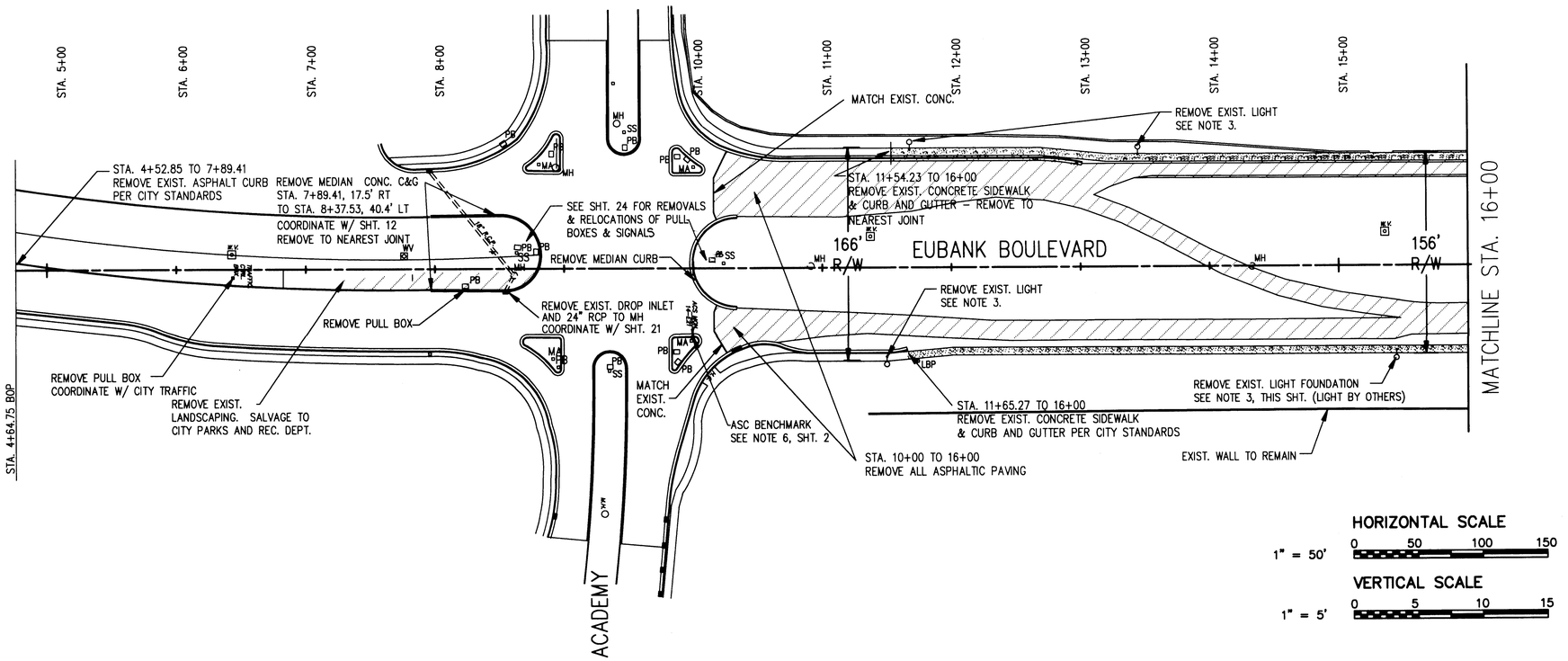
MISC. DETAILS

B.J.S. 4-12-96

Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4405-90	D-20	8	46

SCANNED BY BY LASON



PLAN

SCALE: 1" = 50'

HORIZONTAL SCALE

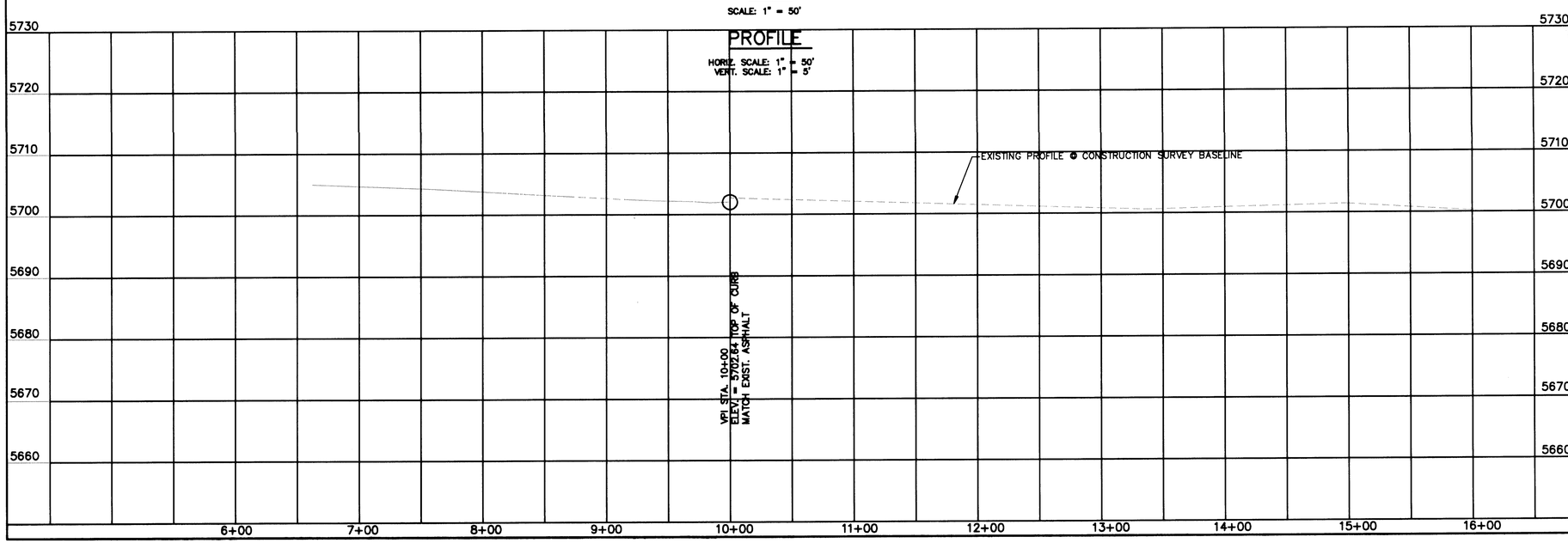
1" = 50' 0 50 100 150

VERTICAL SCALE

1" = 5' 0 5 10 15

PROFILE

HORIZ. SCALE: 1" = 50'
VERT. SCALE: 1" = 5'



NOTES:

1. COORDINATE REMOVALS WITH TRAFFIC CONTROL PLANS - SHT. 34-46
2. ALL EXISTING WALLS ARE TO REMAIN.
3. CONTRACTOR TO REMOVE EXIST. LIGHT BASE CONDUIT, PULL BOXES, ETC. LIGHT POLE AND APPURTENANCES TO BE REMOVED BY OTHERS. SEE GENERAL NOTES 12 & 15, SHEET 2. ALSO SEE SHTS. 29 & 30 FOR LIGHTING

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Debra Vaughan-Cleff 7/31/97
Debra Vaughan-Cleff, P.E. 11992 Date

LEGEND

- EXIST. SIDEWALK TO BE REMOVED
- EXIST. PAVEMENT TO BE REMOVED
- EXIST. CURB AND GUTTER
- 48" RCP SD — EXIST. STORM DRAIN (TYPE/SIZE)
- EXIST. TELEPHONE PEDESTAL
- EXIST. GUARD RAIL
- EXIST. DROP INLET
- EXIST. BOULDERS
- MH — EXIST. MANHOLE
- EXIST. SLUMP BLOCK WALL
- EXIST. TREE
- MA — EXIST. MASTARM
- LPB — EXIST. LIGHTING PULL BOX
- PB — EXIST. SIGNAL PULL BOX
- SS — EXIST. SIGNAL STANDARD
- EXIST. WATER VALVE
- EXIST. TRAFFIC SIGN
- EXIST. LIGHT

DVC Debra Vaughan-Cleff, P.E.
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DVC Fax (505) 828-1215

File: ED-REM1

AS BUILT INFORMATION: CONTRACTOR / DATE; STAKED BY / DATE; INSPECTED BY / DATE; VERIFICATION BY / DATE; DRAWINGS BY / DATE; MICRO-FILM INFORMATION / DATE; RECORDED BY; NO.

BENCH MARKS: ACS STATION 8-21; ELEVATION 5702.26; APPROX. 375' WEST OF EUBANK ON ACADEMY - NORTH CURB LINE

SURVEY INFORMATION: FIELD NOTES; NO. / BY / DATE; REX VOLGER

ENGINEER'S SEAL: DEBRA VAUGHAN-CLEFF, NEW MEXICO, 11992, REGISTERED PROFESSIONAL ENGINEER — 7/16/96

No.	Date	REMARKS	BY
		REVISIONS	

DESIGN: Designed By: Debra Vaughan-Cleff, PE; Drawn By; Checked By

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

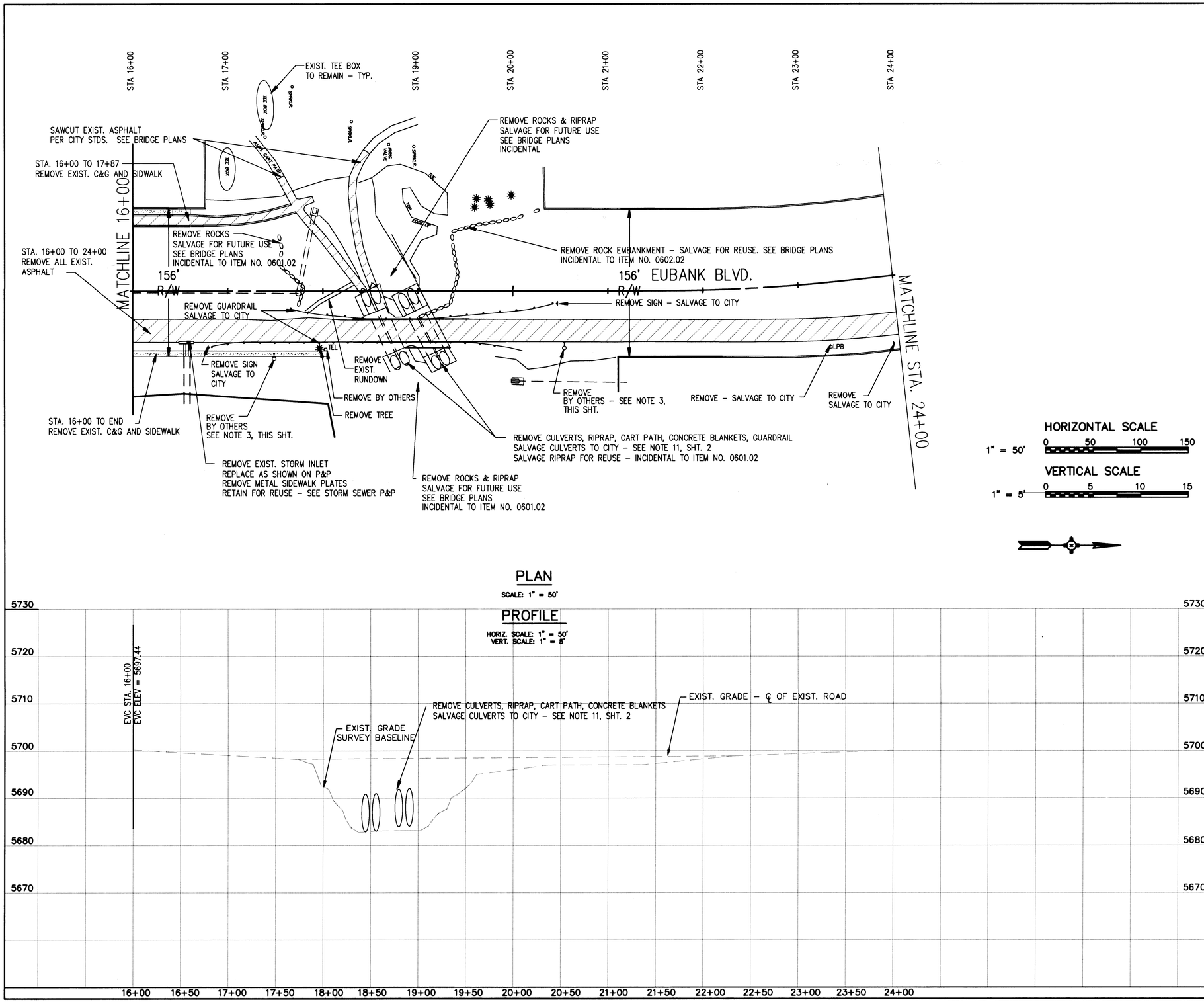
TITLE: EUBANK REMOVAL PLAN & PROFILE
STA. 6+00 TO 16+00

B.G.Y. 4-12-96

Last Design Update: Mo./Day/Yr. Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4405-90	D-20	9	46

SCANNED BY
BY LASON



PLAN

SCALE: 1" = 50'

PROFILE

HORIZ. SCALE: 1" = 50'
VERT. SCALE: 1" = 5'

NOTES:

1. COORDINATE REMOVALS WITH TRAFFIC CONTROL PLANS – SHT. 34–46
2. ALL EXISTING WALLS ARE TO REMAIN.
3. CONTRACTOR TO REMOVE EXIST. LIGHT BASE CONDUIT, PULL BOXES, ETC. LIGHT POLE AND APPURTENANCES TO BE REMOVED BY OTHERS. SEE GENERAL NOTES 12 & 15, SHEET 2. ALSO SEE SHTS. 29 & 30 FOR LIGHTING

RECORD DRAWING

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Debra Vaughan-Cleff, P.E. 11992 — Date 7/21/97

LEGEND

- EXIST. SIDEWALK TO BE REMOVED
- EXIST. PAVEMENT TO BE REMOVED
- EXIST. CURB AND GUTTER
- 48" RCP SD — EXIST. STORM DRAIN (TYPE/SIZE)
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- EXIST. GUARD RAIL
- EXIST. DROP INLET
- EXIST. BOULDERS
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- EXIST. SLUMP BLOCK WALL
- EXIST. TREE
- MA — EXIST. MASTARM
- LPB — EXIST. LIGHTING PULL BOX
- PB — EXIST. SIGNAL PULL BOX
- SS — EXIST. SIGNAL STANDARD
- WV — EXIST. WATER VALVE
- EXIST. TRAFFIC SIGN
- EXIST. LIGHT

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File: ED-PP2

AS BUILT INFORMATION: CONTRACTOR / STAKED BY / DATE / INSPECTED BY / DATE / VERIFICATION BY / DATE / DRAWINGS BY / DATE / MICRO–FILM INFORMATION / DATE / RECORDED BY / NO.

BENCH MARKS: ACS STATION 8–21 — ELEVATION 5702.26 — APPROX. 375' WEST OF EUBANK ON ACADEMY – NORTH CURB LINE

SURVEY INFORMATION — FIELD NOTES: NO. / BY / DATE — REX VALGER

ENGINEER'S SEAL — NEW MEXICO 11992 — 4/10/96

No.	Date	REMARKS	BY
		REVISIONS	
		DESIGN	

Designed By: Debra Vaughan–Cleff, PE
Drawn By: RDW
Checked By: DVC/RGV

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

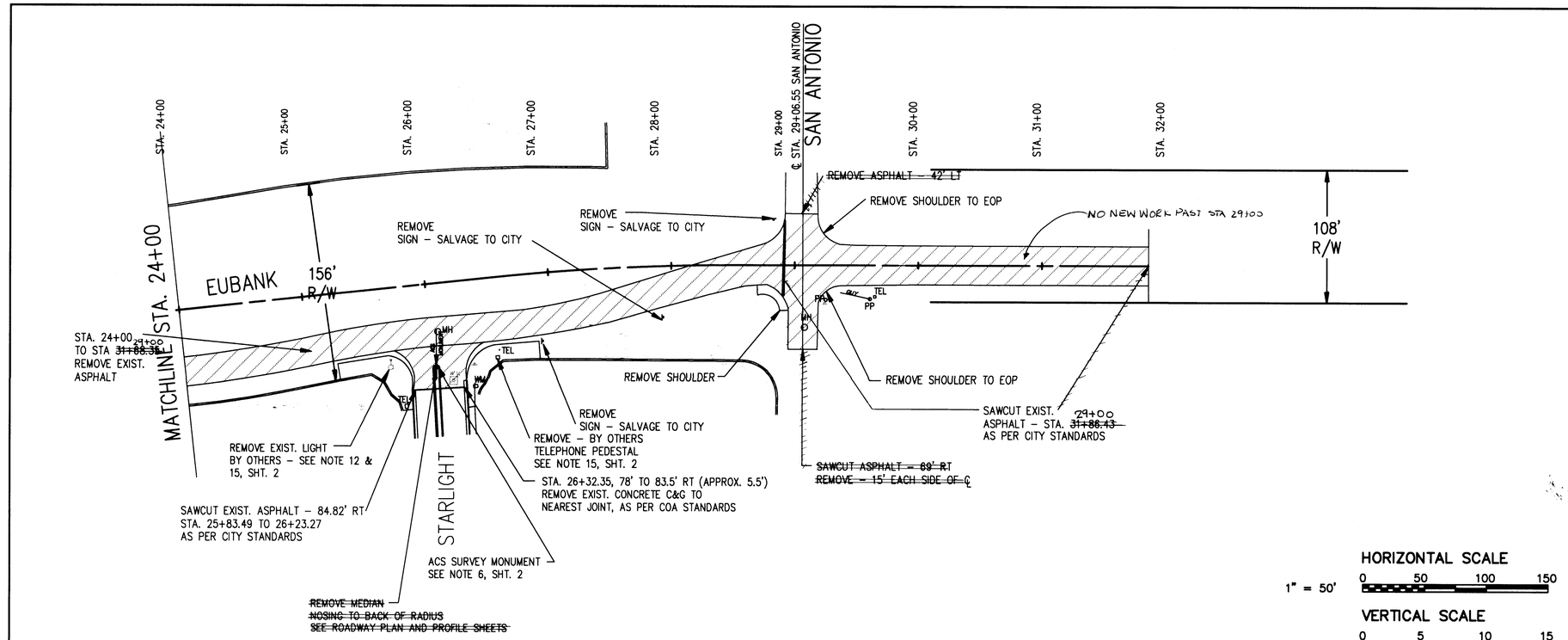
TITLE: EUBANK REMOVAL PLAN & PROFILE STA. 16+00 TO 24+00

B.J.B. 4-12-96

Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

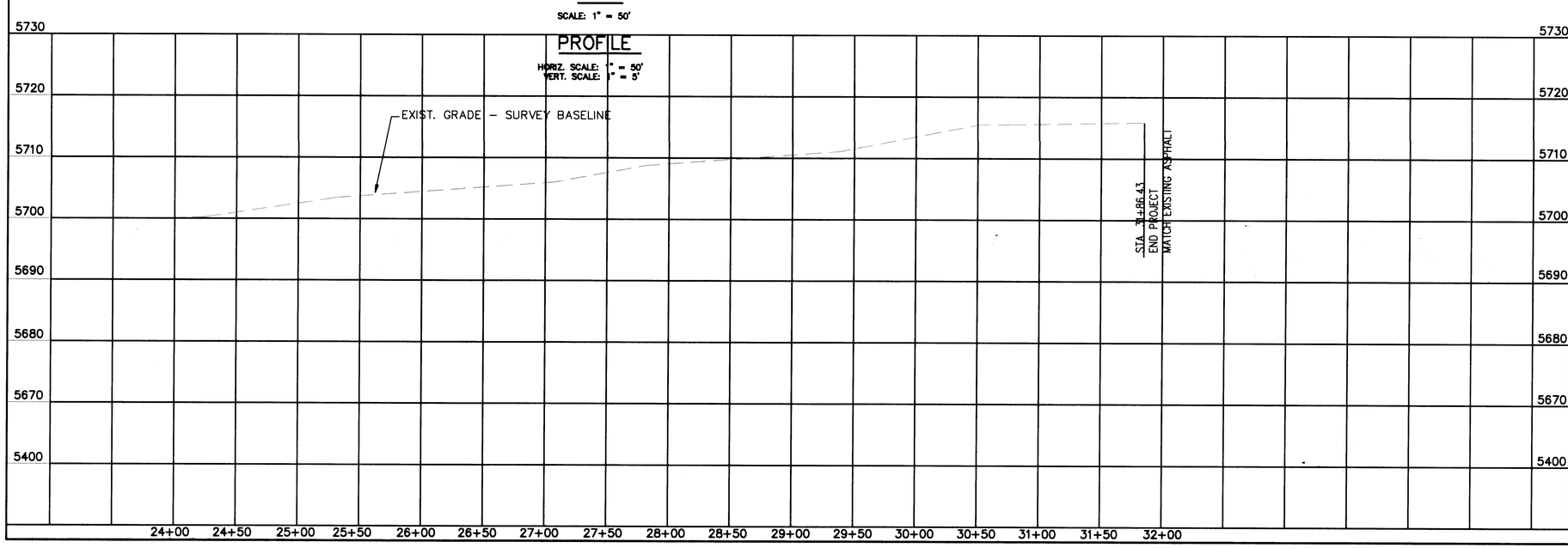
City Project No.	Zone Map No.	Sheet	Of
4405–90	D–20	10	46

SCANNED BY BY LASON



PLAN

SCALE: 1" = 50'



NOTES:

1. COORDINATE REMOVALS WITH TRAFFIC CONTROL PLANS – SHT. 34–46
2. ALL EXISTING WALLS ARE TO REMAIN.
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Debra Vaughan-Cleff, P.E. 11992 — Date 7/21/97

LEGEND

- EXIST. SIDEWALK TO BE REMOVED
- EXIST. PAVEMENT TO BE REMOVED
- EXIST. CURB AND GUTTER
- 48" RCP SD — EXIST. STORM DRAIN (TYPE/SIZE)
- EXIST. TELEPHONE PEDESTAL
- WM — EXIST. WATER METER BOX
- EXIST. DROP INLET
- EXIST. BOULDERS
- MH — EXIST. MANHOLE
- EXIST. SLUMP BLOCK WALL
- EXIST. TREE
- MA — EXIST. MASTARM
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- EXIST. LIGHT

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DVC 6212 Torreon NE
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DVC (505) 249–6196
DVC Fax: (505) 828–1215

AS BUILT INFORMATION: CONTRACTOR / STAKED BY / INSPECTED BY / VERIFICATION BY / DRAWINGS BY / MICRO-FILM INFORMATION — DATE; RECORDED BY; NO.

BENCH MARKS: ACS STATION 8–21; ELEVATION 5702.26; APPROX. 375' WEST OF EUBANK ON ACADEMY – NORTH CURB LINE

SURVEY INFORMATION — FIELD NOTES: NO. / BY / DATE; REX VOLGER

ENGINEER'S SEAL

No.	Date	REMARKS	BY
		REVISIONS	
		DESIGN	

Designed By: Debra Vaughan–Cleff, PE
Drawn By: RGW
Checked By: DVC/RGV

File:

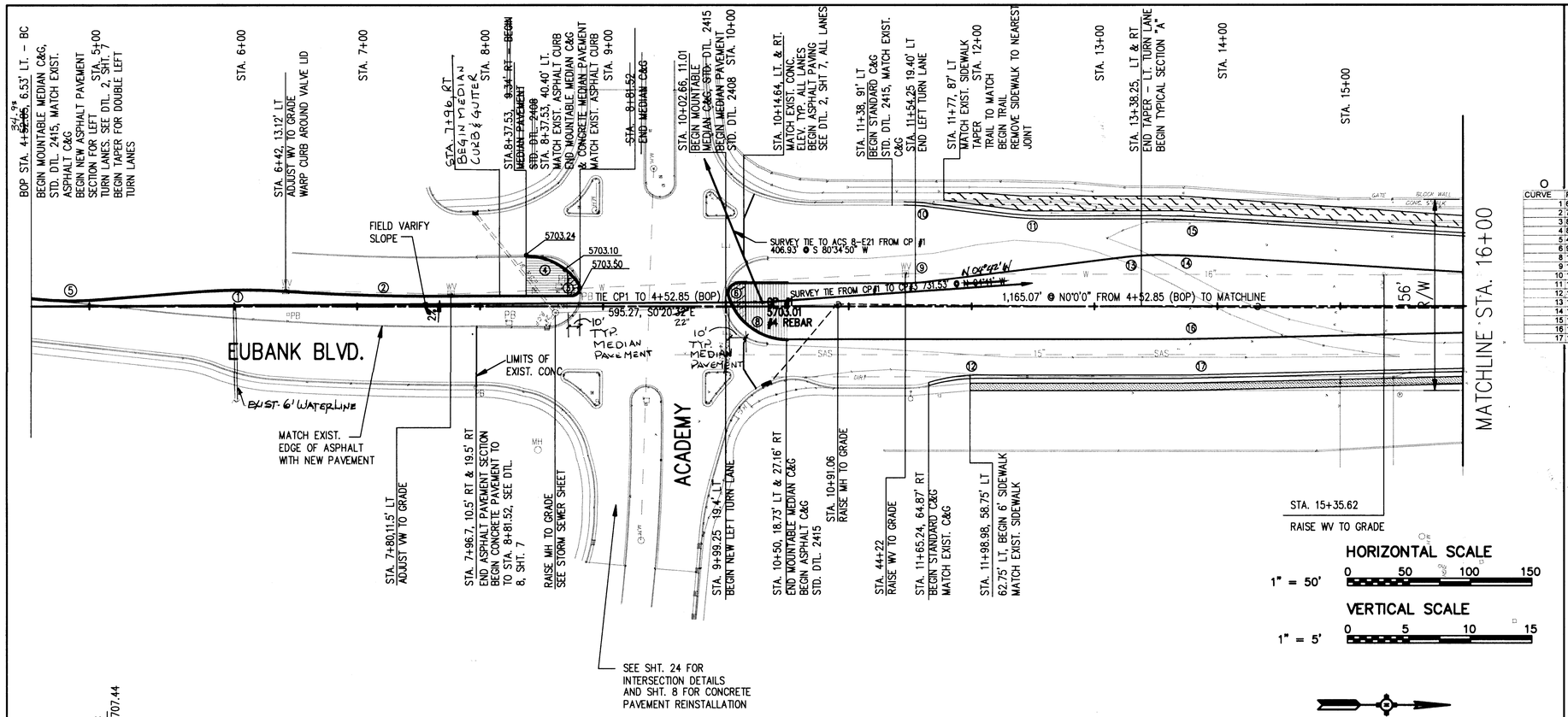
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: EUBANK REMOVAL PLAN & PROFILE STA. 24+00 TO 32+00

Last Design Update — Mo./Day/Yr.

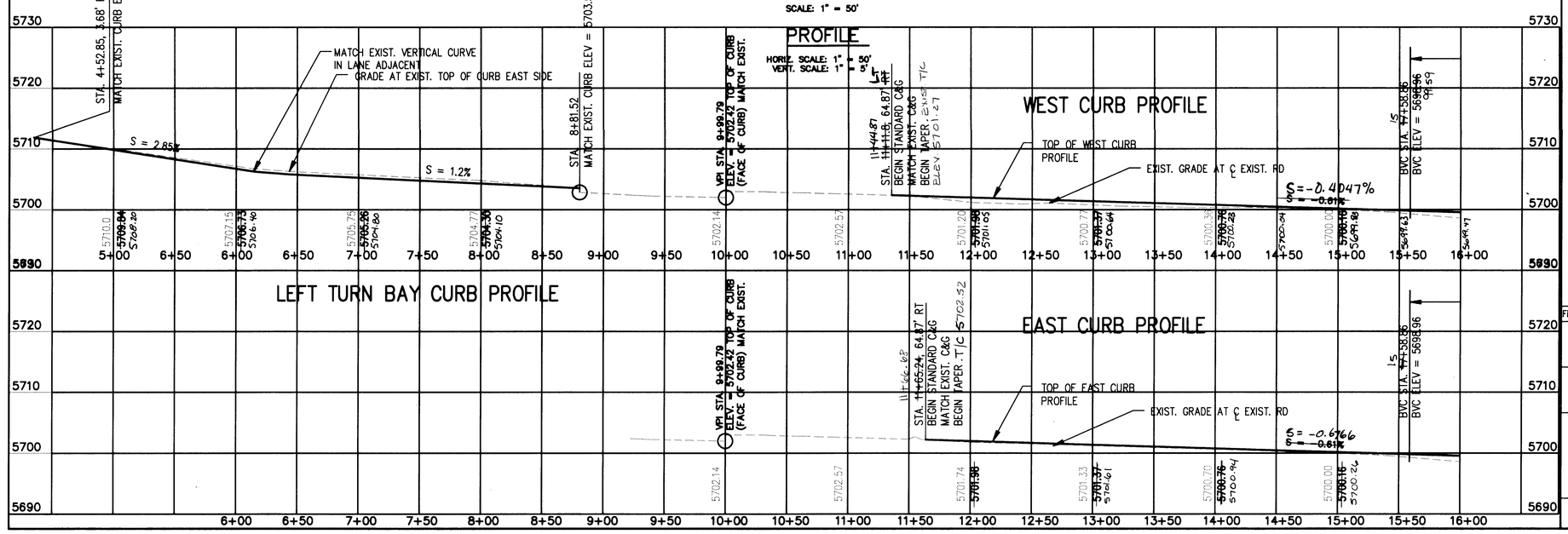
City Project No.	Zone Map No.	Sheet	Of
4405–90	D–20	11	46

SCANNED BY BY LASON



PLAN

SCALE: 1" = 50'



NOTES:

CURVE TABLE

CURVE	P.I. STA.	OFFSET	R (ft)	Δ	L (ft) *	T (ft)	LOCATION
1	6+4.39	14.91 LT	500	8.36	72.95	36.54	BC
2	7+18.81	9.34 LT	1932.86	4.63	156.19	78.14	BC
3	8+86.85	8.71 LT	6	142.62	14.93	17.74	BC
4	8+64.12	40.63 LT	50	55.98	48.85	26.57	BC
5	4+81.68	4.13 LT	300	10.73	56.18	28.17	BC
6	9+99.71	18.73 LT	8	101.71	14.20	9.83	BC
8	10+14.15	26.50 RT	50	72.29	63.08	36.52	BC
9	11+54.29	18.73 LT	150	7.13	18.67	9.35	BC
10	11+54.29	85.39 LT	150	7.19	18.82	9.42	BC
11	12+43.97	73.98 LT	300	7.25	37.96	19.01	BC
12	11+85.19	58.74 RT	130	16.93	38.41	19.35	BC
13	13+35.26	41.35 LT	300	5.96	31.21	15.62	BC
14	13+75.98	41.39 LT	1000	2.87	50.09	25.05	BC
15	13+72.10	73.98 LT	1032.3	2.87	51.71	25.86	BC
16	13+77.55	26.50 RT	1000	1.34	23.39	11.69	BC
17	13+78.3	88.8 RT	1032.3	1.34	24.14	12.07	BC

RECORD DRAWING

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Debra Vaughan-Cieff, P.E. 11992 — 7/21/97 Date

LEGEND

- NEW 6' SIDEWALK
- NEW 12' TRAIL
- NEW MOUNTABLE MEDIAN CURB & GUTTER, STD. DTL. 2415
- NEW STANDARD CURB & GUTTER – STD. DTL. 2415
- NEW ASPHALT CURB STD. DT. 2415
- 48" RCP SD — EXIST. STORM DRAIN (TYPE/SIZE)
- IR — 8" — EXIST. IRRIGATION LINE
- G — EXIST. GAS LINE
- SAS — 15" — EXIST. SANITARY SEWER/SIZE
- W — 12" — EXIST. WATER LINE/SIZE
- E — 12" — EXIST. TELEPHONE PEDESTAL
- EXIST. TELEPHONE PEDESTAL
- EXIST. GUARD RAIL
- EXIST. DROP INLET
- EXIST. BOULDERS
- MH — EXIST. MANHOLE
- EXIST. SLUMP BLOCK WALL
- EXIST. TREE
- LPB — EXIST. LIGHTING PULL BOX
- WV — EXIST. WATER VALVE
- EXIST. TRAFFIC SIGN
- EXIST. LIGHT

DVC Debra Vaughan-Cieff, P.E.
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DVC (505) 249-6196
DVC Fax: (505) 828-1215

File: ED-PP1

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

BENCH MARKS
ACS STATION 8-21
ELEVATION 5702.26
APPROX. 375' WEST OF EUBANK ON ACADEMY – NORTH CURB LINE

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

ENGINEER'S SEAL
DEBRA S. VAUGHAN-CIEFF REGISTERED PROFESSIONAL ENGINEER NEW MEXICO 11992
4/18/96

No.	Date	REMARKS	BY
		REVISIONS	
		DESIGN	

Designed By: Debra Vaughan-Cieff, PE
Drawn By
Checked By

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

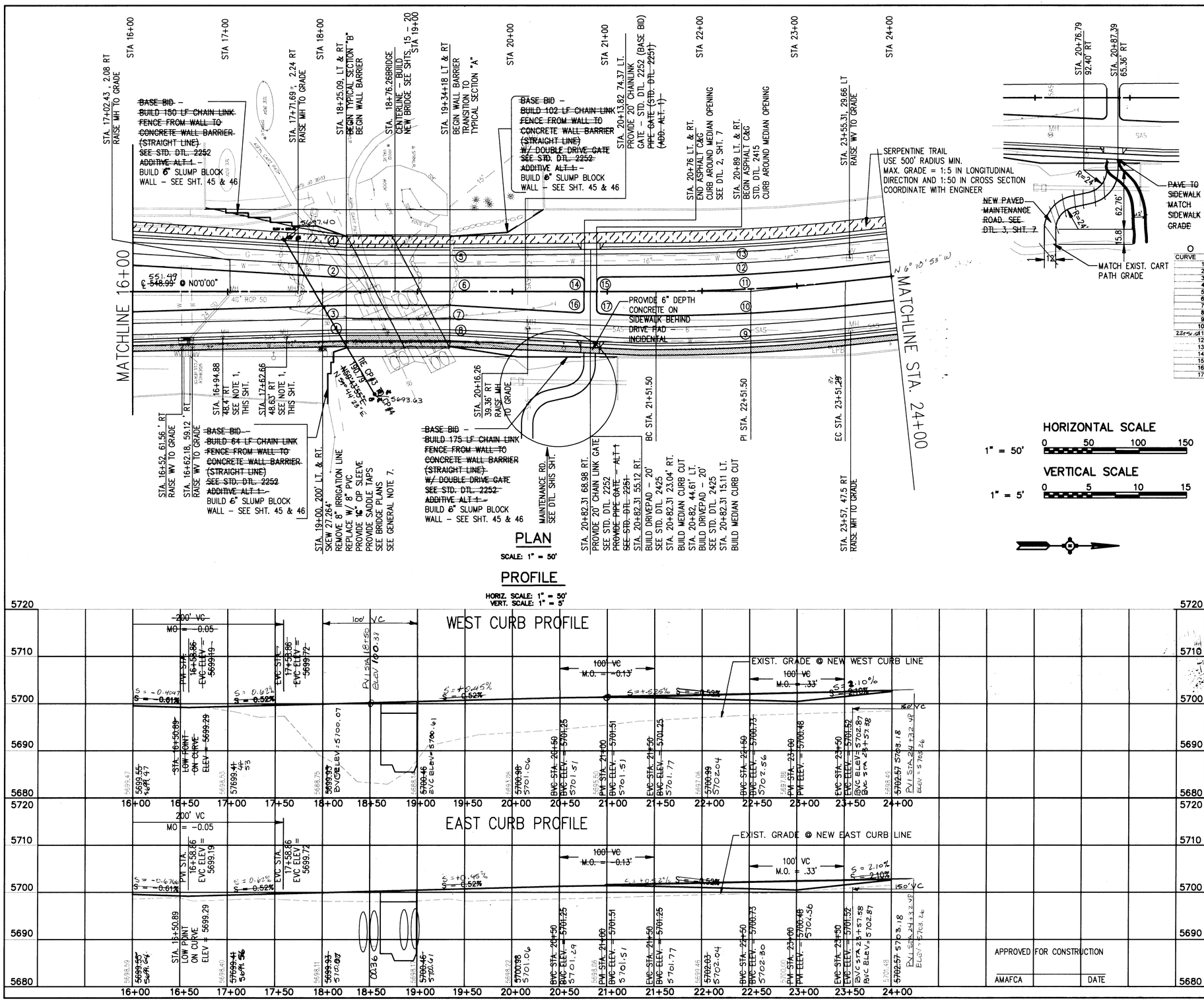
TITLE: EUBANK ROADWAY PLAN & PROFILE STA. 6+00 TO 16+00

B.Y.D. 4-12-96

Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4405-90	D-20	12	46

SCANNED BY BY JASON



NOTES:

1. RECONSTRUCT EXIST. MH FROM CONE TO RIM. REMOVE EXIST. CONE INSTALL NEW ESSENTRIC CONE. ROTATE CONE SO MH LID IS IN GUTTER-PAN REMOVE EXIST. STEPS ~~AND RECONSTRUCT STEPS.~~ SEE STD. DTL. 2102

RECORD DRAWING

The improvements shown on this drawing have been as-built in accordance with field information provided by DVC Engineering, CCM Construction (Contractor), and BSN Surveying (Surveyor) to reflect construction actually accomplished to the best of my knowledge and belief.

Debra Vaughan-Cleff 7/31/97
Debra Vaughan-Cleff, P.E. 19[illegible] Date

CURVE TABLE

CURVE	P.I. STA.	OFFSET	R (ft)	Δ	L (ft)	T (ft)	LOCATION
1	18+25.08	46.08 LT	1000	3.5113	61.28	30.65	BC
2	18+25.08	13.83 LT	1032.25	3.5113	63.26	31.64	BC
3	18+25.08	15.83 RT	1032.25	1.3436	24.21	12.10	BC
4	18+25.08	48.08 RT	1000	1.3436	23.45	11.73	BC
5	19+34.18	46.08 LT	1000	0.4297	7.50	3.75	BC
6	19+34.18	13.83 LT	1032.25	0.4297	7.74	3.87	BC
7	19+34.18	15.83 RT	1032.25	2.7195	48.99	24.50	BC
8	19+34.18	48.08 RT	1000	2.7195	47.46	23.74	BC
9	21+51.50	60.27 RT	1913.74	6.1676	206.00	103.10	BC
10	21+51.50	28.03 RT	1881.49	6.1676	202.53	101.36	BC
11	~~21+51.50~~ 22+50.01	2.89 RT	1856.16	6.1676	199.80	100.00	CL
12	21+51.50	13.51 LT	1840.83	6.1676	198.15	99.17	BC
13	21+51.50	45.82 LT	1808.56	6.1676	194.68	97.44	BC
14	20+75.31	14.89 LT	5	90.4297	7.89	5.04	BC
15	20+89.31	14.99 LT	5	89.5703	7.82	4.96	BC
16	20+75.31	22.50 RT	5	92.7195	8.09	5.24	BC
17	20+89.31	23.20 RT	5	87.2805	7.62	4.77	BC

LEGEND

- NEW SIDEWALK
- NEW TRAIL
- NEW STANDARD CURB AND GUTTER. STD. DTL. 2415
- NEW ASPHALT CURB STD. DTL. 2415
- 48" RCP 50 — EXIST. STORM DRAIN (TYPE/SIZE)
- —IR— 8" — EXIST. IRRIGATION LINE
- —G— EXIST. GAS LINE
- —SAS— 15" — EXIST. SANITARY SEWER/SIZE
- —W— 12" — EXIST. WATER LINE/SIZE
- EXIST. TELEPHONE PEDESTAL
- EXIST. GUARD RAIL
- EXIST. DROP INLET
- EXIST. BOULDERS
- MH — EXIST. MANHOLE
- EXIST. SLUMP BLOCK WALL
- EXIST. TREE
- LPB — EXIST. LIGHTING PULL BOX
- EXIST. WATER VALVE
- EXIST. TRAFFIC SIGN
- EXIST. LIGHT
- CP #4 — CONTROL POINT

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File: ED-PP2

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

BENCH MARKS
ACS STATION 8-21
ELEVATION 5702.26
APPROX. 375' WEST OF EUBANK ON ACADEMY – NORTH CURB LINE

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	REX VOLGER	

ENGINEER'S SEAL

No.	Date	REMARKS	BY
		REVISIONS	

DESIGN
Designed By: Debra Vaughan-Cleff, PE
Drawn By
Checked By

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EUBANK ROADWAY PLAN & PROFILE STA. 16+00 TO 24+00

B.J.H. 4-12-96

Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

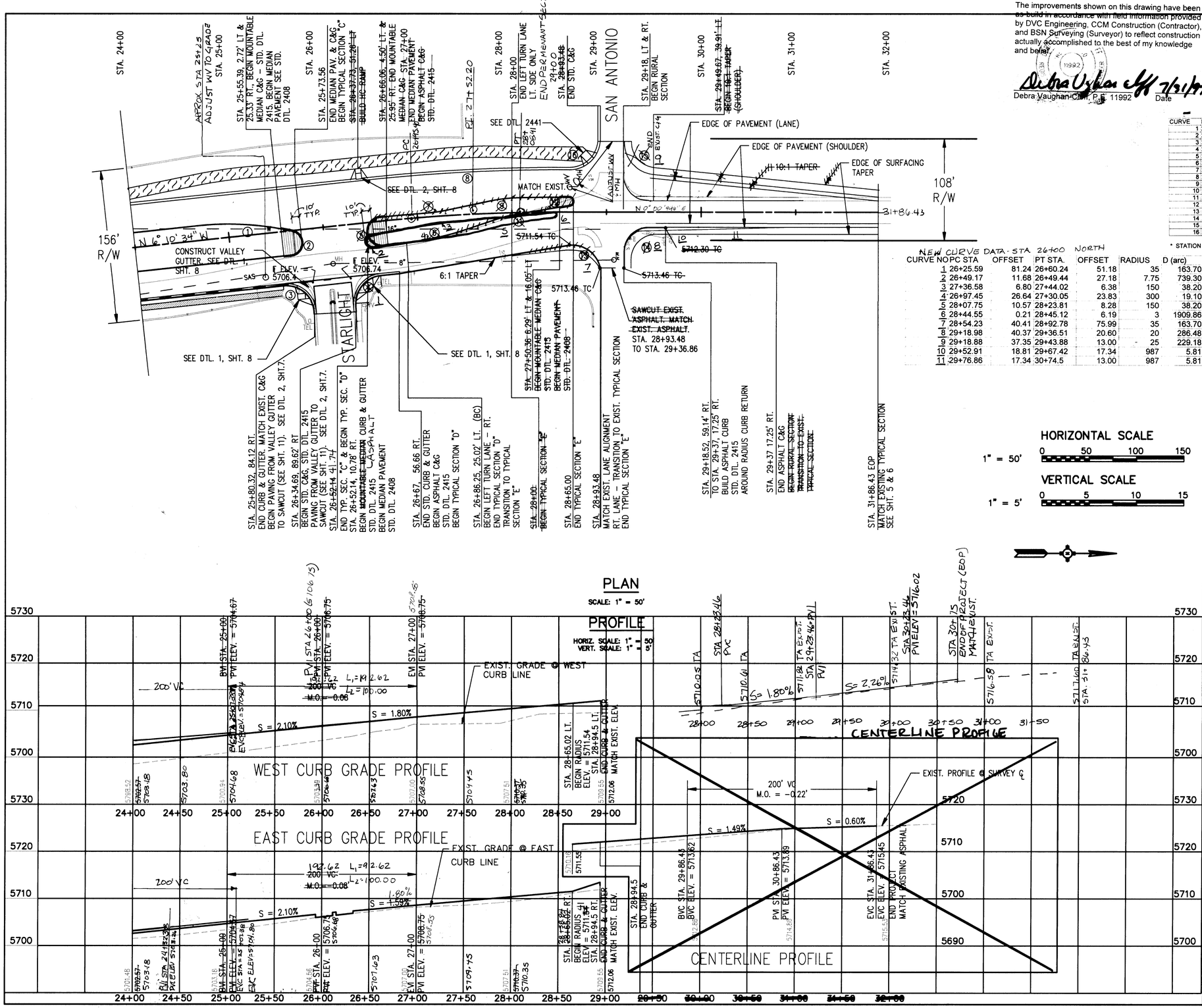
City Project No.	Zone Map No.	Sheet	Of
4405-90	D-20	13	46

SCANNED BY JASON

RECORD DRAWING

The improvements shown on this drawing have been as-built in accordance with field information provided by DVC Engineering, CCM Construction (Contractor), and BSN Surveying (Surveyor) to reflect construction actually accomplished to the best of my knowledge and belief.

Debra Vaughan-Cleff, P.E. 11992 — Date 7/31/97



NOTES:

CURVE TABLE

CURVE	P.I. STA.	OFFSET	R (ft)	Δ L (ft)	T (ft)	LOCATION
1	25+19.57	15.33 LT	300	19	99.48	50.20 BC
2	26+37.67	25.33 RT	12.5	199	43.41	-74.70 BC
3	25+82.91	56.91 RT	30	92.95	48.67	31.59 FC
4	26+26.87	57.09 RT	30	87.25	45.68	28.59 FC
5	26+61.32	10.77 RT*	14.54	180.28	45.75	-5950.56 BC
6	27+17.22	24.21 LT	300	12.34	64.61	32.43 BC
7	27+21.14	3.86 LT	150	7.75	20.29	10.16 BC
8	27+56.39	50.59 LT	1899.97	6.49	215.21	107.72 BC
9	27+92.22	15.38 LT	150	10.69	27.99	14.03 BC
10	27+52.2	2.70 LT	1052.39	6.18	113.51	56.81 CL
11	27+93.86	3.03 RT	150	9.15	23.95	12.00 BC
12	29+3.92	14.61 LT	4	170.17	11.88	46.51 BC
13	28+87.16	30.98 RT	30	87.53	45.83	28.73 BC
14	29+19.19	16.67 RT	25	90	39.27	25.00 BC
15	29+19.08	42.99 LT	34	84.24	49.99	30.74 Shoulder
16	28+93.73	44.54 LT	30	90.27	47.26	30.14 BC

* STATION AND OFFSET IS FOR CENTER OF CURVE (NOT PI STATION)

NEW CURVE DATA - STA. 26+00 NORTH

CURVE NO	PC STA	OFFSET	PT STA.	OFFSET	RADIUS	D (arc)	LOCATION
1	26+25.59	81.24	26+60.24	51.18	35	163.70	FC - North Curb Return - Starlight
2	26+49.17	11.68	26+49.44	27.18	7.75	739.30	FC - End of Median - south
3	27+36.58	6.80	27+44.02	6.38	150	38.20	FC - Left Turn Bay - South Bound
4	26+97.45	26.64	27+30.05	23.83	300	19.10	FC - Left Turn Bay - North Bound
5	28+07.75	10.57	28+23.81	8.28	150	38.20	FC - Left Turn Bay - North Bound
6	28+44.55	0.21	28+45.12	6.19	3	1909.86	FC - End of Median - north
7	28+54.23	40.41	28+92.78	75.99	35	163.70	FC - Curb return - to San Antonio (east)
8	29+18.98	40.37	29+36.51	20.60	20	286.48	FC - Curb return - from San Antonio (nor
9	29+18.88	37.35	29+43.88	13.00	25	229.18	FC - Curb return - to San Antonio (west)
10	29+52.91	18.81	29+67.42	17.34	987	5.81	FC - 1' from edge of lane
11	29+76.86	17.34	30+74.5	13.00	987	5.81	FC - Edge of Pavement - (1' from lane)

LEGEND

- NEW SIDEWALK
- NEW TRAIL
- NEW STANDARD CURB AND GUTTER. STD. DTL. 2415
- NEW MOUNTABLE MEDIAN CURB & GUTTER. STD. DTL. 2415
- NEW ASPHALT CURB STD. DTL. 2415
- 48" RCP SD — EXIST. STORM DRAIN (TYPE/SIZE)
- —IR — 8" — EXIST. IRRIGATION LINE
- — G — — EXIST. GAS LINE
- —SAS— 15"— EXIST. SANITARY SEWER/SIZE
- — W — 12"— EXIST. WATER LINE/SIZE
- TS — EXIST. TELEPHONE PEDESTAL
- EXIST. GUARD RAIL
- DI — EXIST. DROP INLET
- EXIST. BOULDERS
- MH — EXIST. MANHOLE
- EXIST. SLUMP BLOCK WALL
- EXIST. TREE
- LPB — EXIST. LIGHTING PULL BOX
- BVS — EXIST. WATER VALVE
- EXIST. TRAFFIC SIGN
- EXIST. LIGHT
- CONTROL POINT

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DVC Fax: (505) 828-1215

AS BUILT INFORMATION: CONTRACTOR / STAKED BY / DATE / INSPECTED BY / DATE / VERIFICATION BY / DATE / DRAWINGS BY / DATE / MICRO-FILM INFORMATION / DATE / RECORDED BY / NO.

BENCH MARKS: ACS STATION 8-21; ELEVATION 5702.26; APPROX. 375' WEST OF EUBANK ON ACADEMY - NORTH CURB LINE

SURVEY INFORMATION — FIELD NOTES: NO. / BY / DATE; REX VOLGER

ENGINEER'S SEAL: DEBRA VAUGHAN CLEFF, NEW MEXICO, REGISTERED PROFESSIONAL ENGINEER, 11992 — 4/16/96

No.	Date	REMARKS	BY
		REVISIONS	
		DESIGN	

Designed By: Debra Vaughan-Cleff, PE
Drawn By
Checked By

File:

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: EUBANK ROADWAY PLAN & PROFILE STA. 24+00 TO 32+00

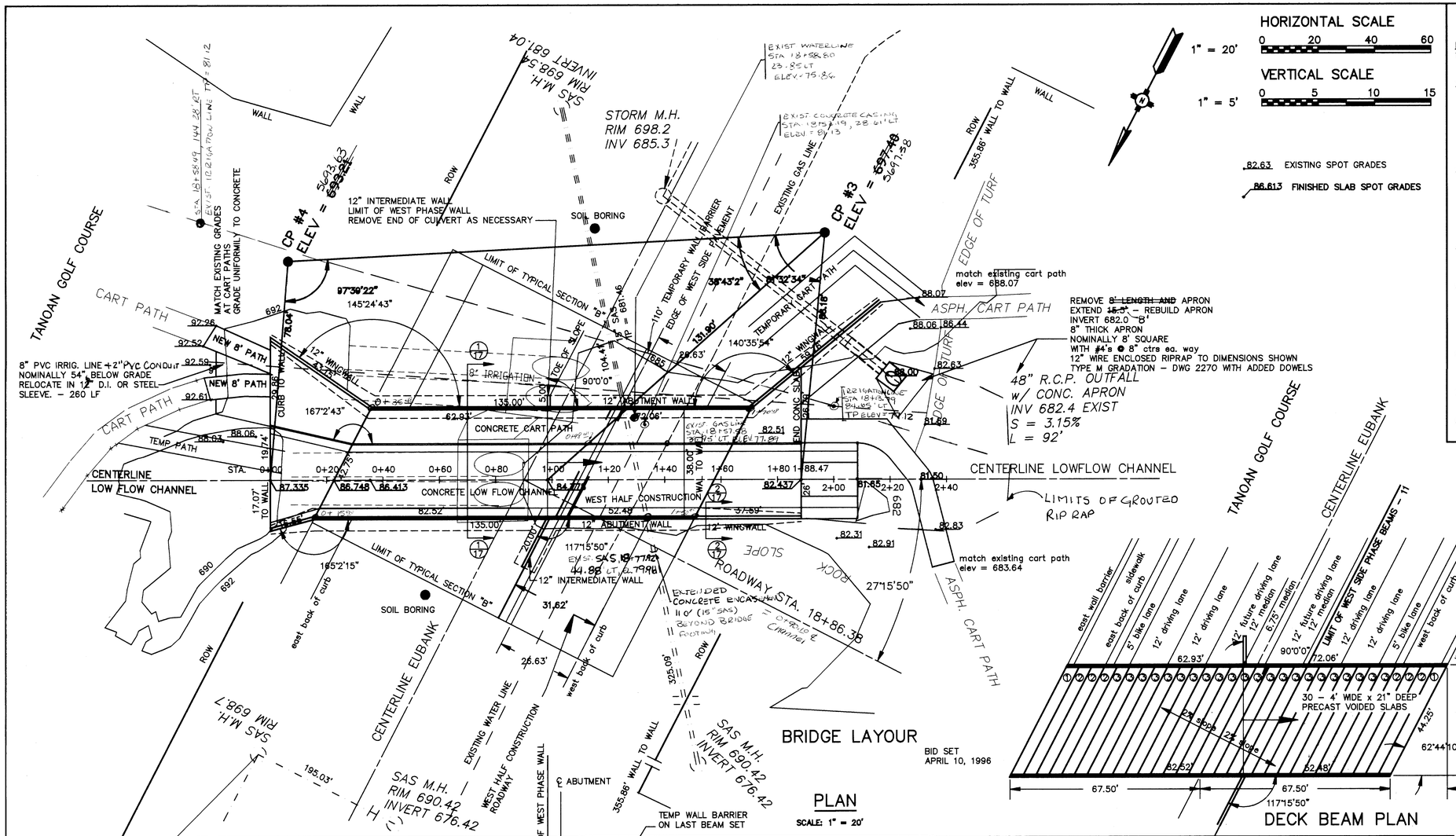
B.G.S. 4-12-96

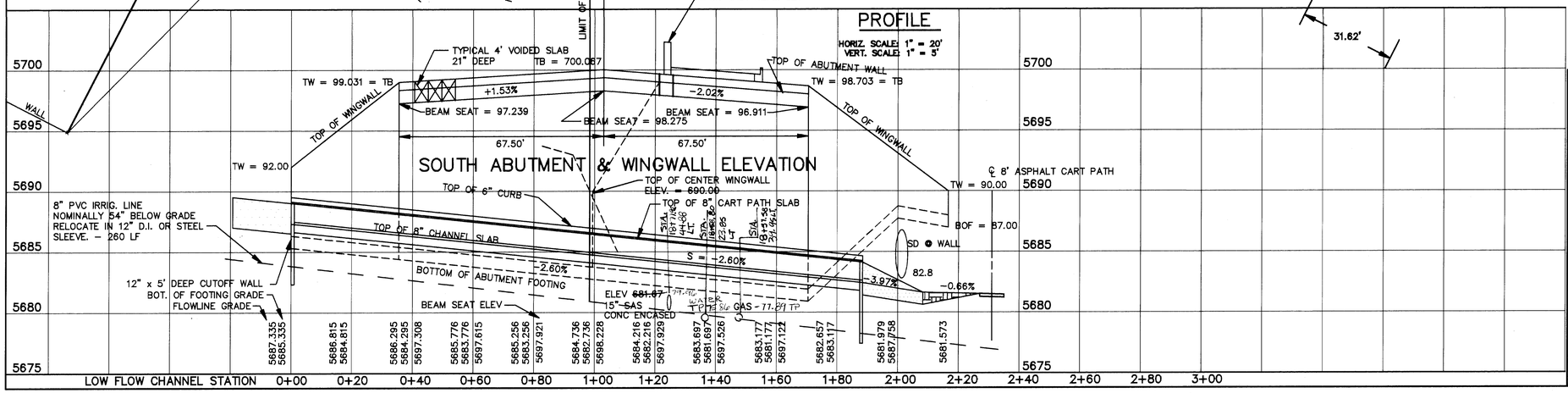
Last Design Update

Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4405-~~89~~90	D-20	14	46

SCANNED BY BY LASON





NOTES:

BRIDGE CONSTRUCTION PHASING SEQUENCE :

1. BUILD TEMPORARY SOUTH CART PATH AROUND END OF SOUTHWEST WINGWALL. PHASE 1A.
2. CLOSE NORTH CART PATH. MAINTAIN CARTS ON SOUTH PATH. CONSTRUCT FIRST 8' LIFT OF NORTH AND SOUTH ABUTMENTS AND WINGWALLS TO CENTER WINGWALLS. EXTEND 42" STORM DRAIN AND CONSTRUCT CONCRETE CHANNEL WORKS FROM CENTER WINGWALLS TO END. COMPLETE CART PATH IMPROVEMENTS ON WEST END. PHASE 1B.
3. BUILD TEMPORARY CART PATH ON EAST END FROM EXISTING SOUTH PATH TO THE SOUTHERN MOST 8' STORM CULVERT. PAVE CULVERT TO MAKE TEMPORARY PATH. GROUT 12' GOLF MAINTAINENCE VEHICLE PATH OVER RIP-RAP. DIVERT CARTS TO NEW TEMPORARY PATH. PHASE 1B & PHASE 2.
4. COMPLETE NORTH AND SOUTH ABUTMENTS AND WINGWALLS. SET BRIDGE BEAMS AND COMPLETE WEST SECTION OF ROADWAY. PHASE 2.
5. DIVERT TRAFFIC TO NEW WEST ROADWAY REMOVE TWO SOUTH CULVERTS AND NORTH CULVERT. CONSTRUCT REMAINING NORTH AND SOUTH ABUTMENTS AND WINGWALLS. COMPLETE BRIDGE DECK WITH CENTER CULVERT IN PLACE. PHASE 3.
6. CONSTRUCT SOUTH CHANNEL CART PATH CHANNEL. DIVERT CARTS TO SOUTH HALF OF CART PATH CHANNEL. PHASE 3 & PHASE 4.
7. REMOVE REMAINING CULVERT AND COMPLETE CHANNEL CONSTRUCTION. PHASE 4.
8. TEMPORARY CART PATH WORK IS INCIDENTAL TO THE BRIDGE CONSTRUCTION.

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

BENCH MARKS
ACS STATION 8-21
ELEVATION 5702.26
APPROX. 375' WEST OF EUBANK ON ACADEMY - NORTH CURB LINE

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER — STATE OF NEW MEXICO — DEBRA VAUGHAN
7/31/97

RECORD DRAWING

The improvements shown on this drawing have been as-built in accordance with field information provided by DVC Engineering, CCM Construction (Contractor), and BSN Surveying (Surveyor) to reflect construction actually accomplished to the best of my knowledge and belief.

Debra Vaughan-Cliff, P.E. 11992 — Date 7/31/97

K-V - CADD

KEMPER-VAUGHAN
CONSULTING ENGINEERS
3700 COORS RD. NW
ALBUQUERQUE, NEW MEXICO 87120

COMPUTER FILE: BP

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY
DRAWN BY
CHECKED BY

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: BRIDGE LAYOUT & SOUTH ABUTMENT EUBANK @ TANOAN

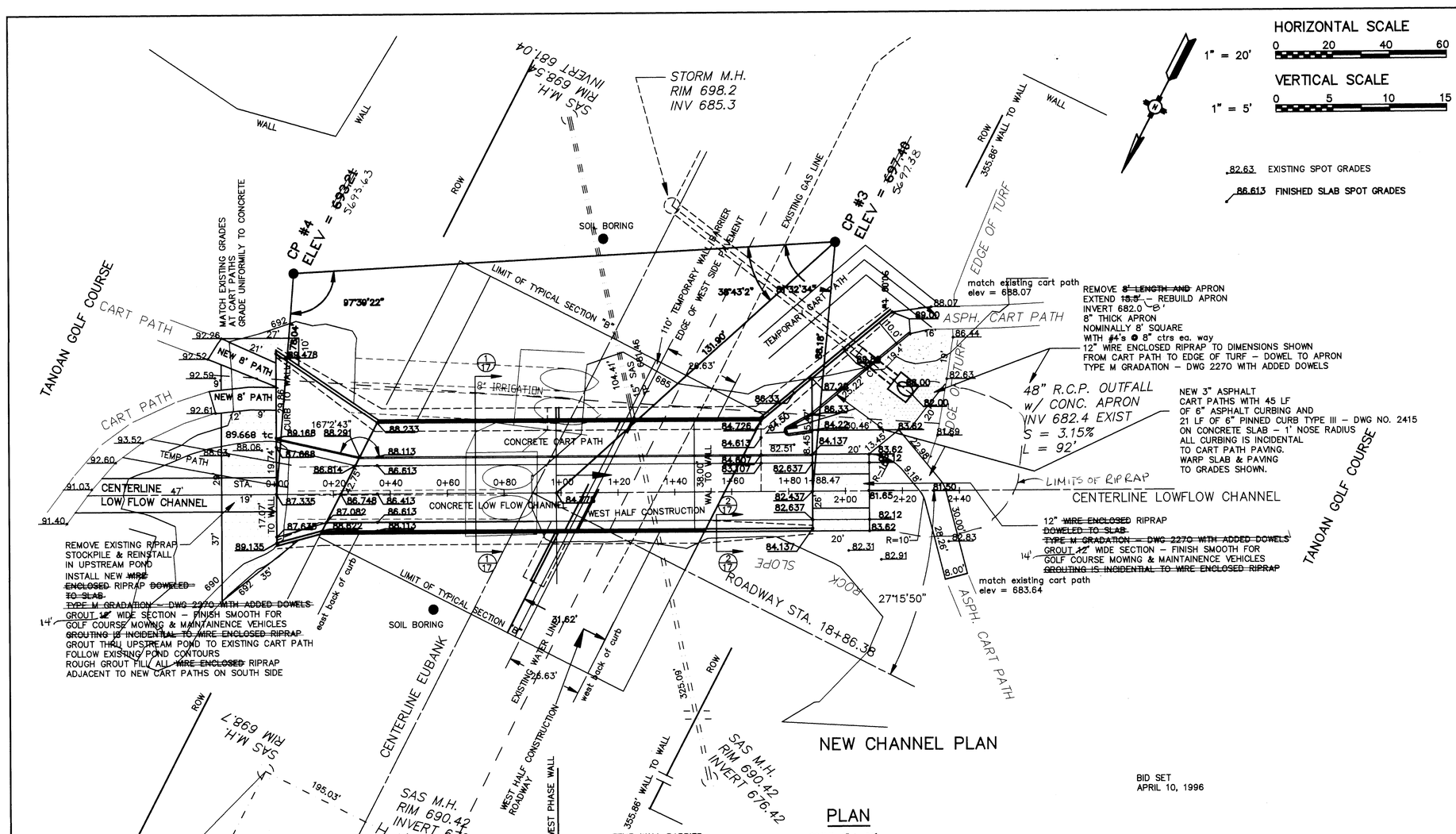
B.G.B. 4-12-96

Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
	1/11/96	4/10/96
	2/25/96	
	3/18/96	
	3/31/96	

City Project No. 4405-90 | Zone Map No. D-20 | Sheet 15 of 46

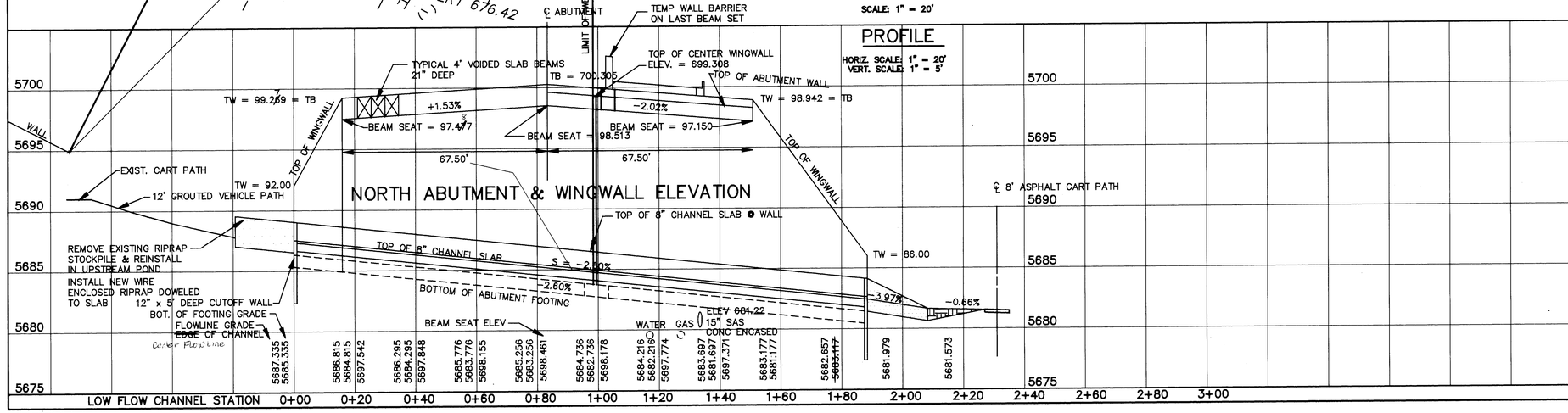
SCALE 1" = 20'

SCANNED BY BY LASON



PLAN

SCALE: 1" = 20'



NOTES:

BRIDGE CONSTRUCTION PHASING SEQUENCE :

1. BUILD TEMPORARY SOUTH CART PATH AROUND END OF SOUTHWEST WINGWALL. PHASE 1A.
2. CLOSE NORTH CART PATH. MAINTAIN CARTS ON SOUTH PATH. CONSTRUCT FIRST 8' LIFT OF NORTH AND SOUTH ABUTMENTS AND WINGWALLS TO CENTER WINGWALLS. EXTEND 42" STORM DRAIN AND CONSTRUCT CONCRETE CHANNEL WORKS FROM CENTER WINGWALLS TO END. COMPLETE CART PATH IMPROVEMENTS ON WEST END. PHASE 1B.
3. BUILD TEMPORARY CART PATH ON EAST END FROM EXISTING SOUTH PATH TO THE SOUTHERN MOST 8' STORM CULVERT. PAVE CULVERT TO MAKE TEMPORARY PATH. GROUT 12' GOLF MAINTAINENCE VEHICLE PATH OVER RIP-RAP. DIVERT CARTS TO NEW TEMPORARY PATH. PHASE 1B & PHASE 2.
4. COMPLETE NORTH AND SOUTH ABUTMENTS AND WINGWALLS. SET BRIDGE BEAMS AND COMPLETE WEST SECTION OF ROADWAY. PHASE 2.
5. DIVERT TRAFFIC TO NEW WEST ROADWAY REMOVE TWO SOUTH CULVERTS AND NORTH CULVERT. CONSTRUCT REMAINING NORTH AND SOUTH ABUTMENTS AND WINGWALLS. COMPLETE BRIDGE DECK WITH CENTER CULVERT IN PLACE. PHASE 3.
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7. REMOVE REMAINING CULVERT AND COMPLETE CHANNEL CONSTRUCTION. PHASE 4.
8. TEMPORARY CART PATH WORK IS INCIDENTAL TO THE BRIDGE CONSTRUCTION.

AS BUILT INFORMATION

CONTRACTOR		DATE
STAKED BY		DATE
INSPECTED BY		DATE
VERIFICATION BY		DATE
DRAWINGS BY		DATE
MICRO-FILM INFORMATION		
RECORDED BY		DATE
NO.		

BENCH MARKS

ACS STATION 8-21
ELEVATION 5702.26
APPROX. 375' WEST OF EUBANK
ON ACADEMY – NORTH CURB LINE

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

STATE OF NEW MEXICO PROFESSIONAL ENGINEER DEBRA K. VAUGHAN 11997
4/16/96

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

RECORD DRAWING

The improvements shown on this drawing have been as-built in accordance with field information provided by DVC Engineering, CCM Construction (Contractor), and BSM Surveying (Surveyor) to reflect construction actually accomplished to the best of my knowledge and belief.

Debra K. Vaughan, P.E. 11997 — 7/31/97 Date

K-V - CADD

KEMPER-VAUGHAN
CONSULTING ENGINEERS
3700 COORS RD. NW
ALBUQUERQUE, NEW MEXICO 87120

COMPUTER FILE: BP

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: CHANNEL PLAN & NORTH ABUTMENT
EUBANK @ TANOAN

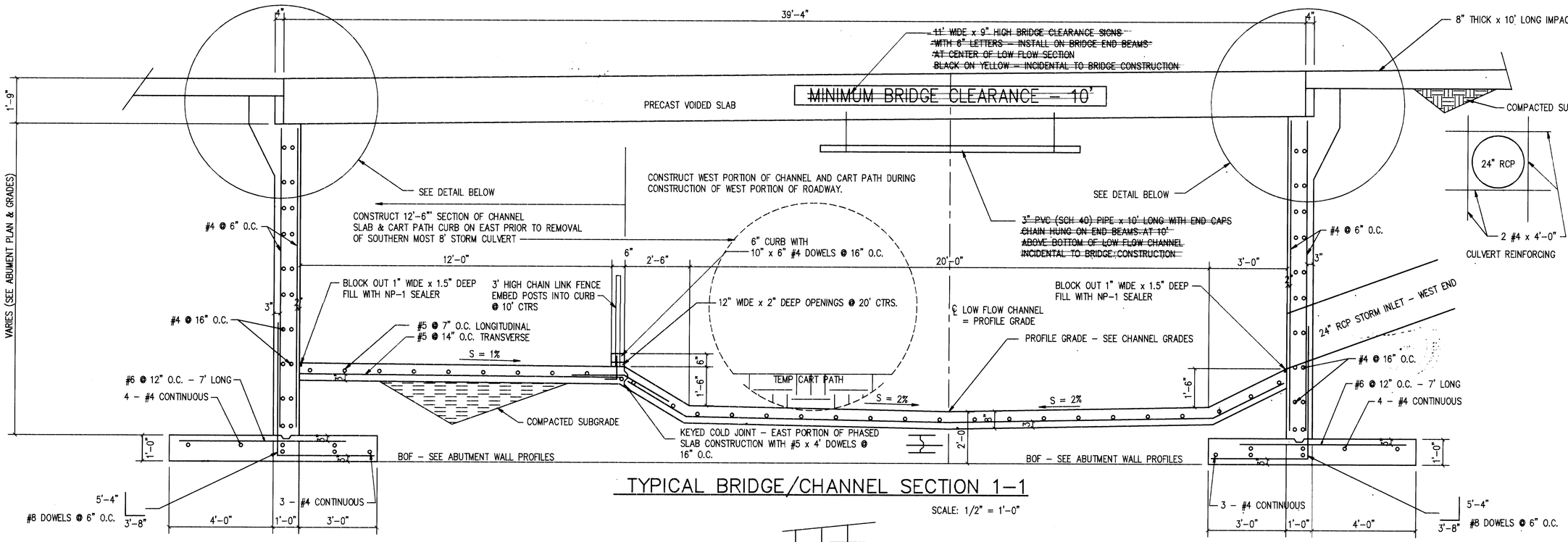
B.Y.P. 4-12-96

Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
	1/11/96	4/10/96
	2/25/96	
	3/18/96	
	3/31/96	

City Project No.	Zone Map No.	Sheet	of
4405-90	D-20	16	46

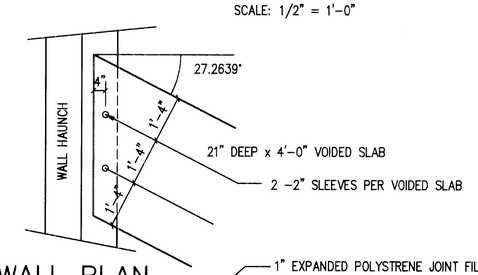
SCANNED BY
BY LASON

SCALE 1" = 20'



TYPICAL BRIDGE/CHANNEL SECTION 1-1

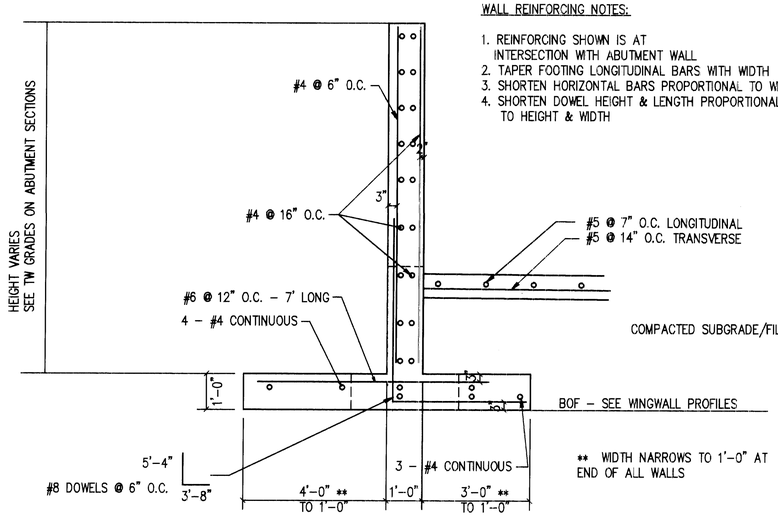
SCALE: 1/2" = 1'-0"



BEAM - WALL PLAN

WALL REINFORCING NOTES:

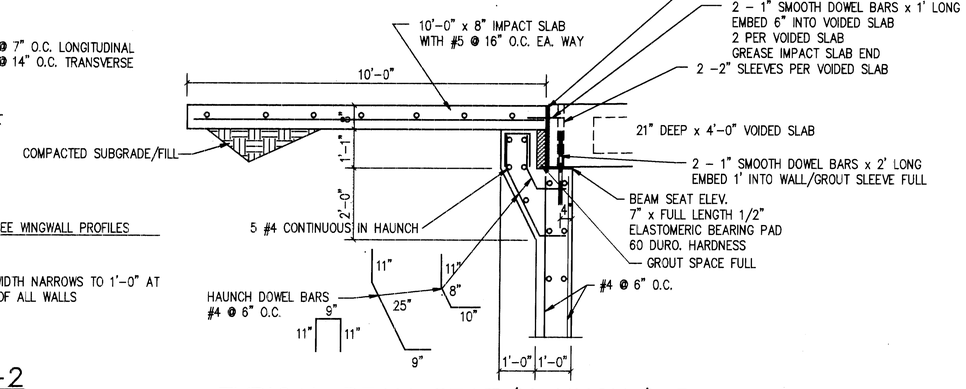
1. REINFORCING SHOWN IS AT INTERSECTION WITH ABUTMENT WALL
2. TAPER FOOTING LONGITUDINAL BARS WITH WIDTH
3. SHORTEN HORIZONTAL BARS PROPORTIONAL TO WIDTH
4. SHORTEN DOWEL HEIGHT & LENGTH PROPORTIONAL TO HEIGHT & WIDTH



** WIDTH NARROWS TO 1'-0" AT END OF ALL WALLS

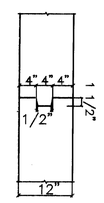
TYPICAL WINGWALL SECTION 2-2

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



TYPICAL BEAM SEAT/HAUNCH/IMPACT SLAB DETAIL

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



TYPICAL WALL CONST JOINT

AT 8' MIN INTERVALS NTS

BID SET
APRIL 10, 1996

RECORD DRAWING

The improvements shown on this drawing have been as-built in accordance with field information provided by DVC Engineering, CCM Construction (Contractor), and BSN Surveying (Surveyor) to reflect construction actually accomplished to the best of my knowledge and belief.

Debra Vaughan-Cleff 7/31/97
Debra Vaughan-Cleff, P.E. 1199 Date

AS BUILT INFORMATION	
CONTRACTOR	DATE
STAKED BY	DATE
INSPECTED BY	DATE
VERIFICATION BY	DATE
DRAWINGS BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	
NO.	

K-V - CADD

KEMPER-VAUGHAN
CONSULTING ENGINEERS
3700 COORS RD. NW
ALBUQUERQUE, NEW MEXICO 87120

COMPUTER FILE: EUBSEC

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY RICHARD G. VAUGHAN, PE
DRAWN BY
CHECKED BY

ENGINEER'S SEAL

BENCH MARKS
ACS STATION 8-21
ELEVATION 5702.26
APPROX. 375' WEST OF EUBANK ON ACADEMY - NORTH CURB LINE

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: CHANNEL/BRIDGE SECTION EUBANK @ TANOAN

B.G.Y. 4-12-96

Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
	1/11/96	4/10/96
	2/25/96	
	3/18/96	
	3/31/96	

City Project No.	Zone Map No.	Sheet	of
4405-90	D-20	17	46

SCANNED BY BY LASON

SCALE 1/2" = 1'-0"

GENERAL NOTES:

1. WORKMANSHIP AND MATERIALS SHALL CONFORM TO NEW MEXICO STATE HIGHWAY DEPARTMENT SPECIFICATIONS.
2. BEAMS SHALL BE LIFTED BY MEANS OF DEVICES SATISFACTORY TO THE PROJECT MANAGER, INSERTED THRU MANUFACTURER'S DEVICES AT THE ENDS. BEAMS ARE TO BE CAST, STORED AND HAULED IN THE UPRIGHT POSITION. ALTERNATE LIFTING DEVICES MUST BE APPROVED BY THE PROJECT MANAGER.
3. BEAM CAMBER IS COMPUTED NET UPWARD DEFLECTION AT CENTER LINE OF BEAM DUE TO PRESTRESSING, WITH WEIGHT OF BEAM ACTING AT ERECTION.
4. DEAD LOAD DEFLECTION IS THE COMPUTED DEFLECTION DUE TO WEIGHT OF SLAB, DIAPHRAGMS AND SUPERIMPOSED DEAD LOADS AFTER ERECTION.
5. IF CONTRACTOR CHOOSES TO USE UNCOATED SEVEN WIRE STRESS RELIEVED STRANDS HAVING PROPERTIES OTHER THAN THOSE SHOWN IN THE DESIGN DATA, REVISED DETAILS SHOWING NUMBER AND ARRANGEMENT OF STRANDS SHALL BE SUBMITTED TO THE PROJECT MANAGER.
6. STIRRUPS MAY BE WELDED INTO A "CAGE" AT THE CONTRACTOR'S OPTION.
7. TYPE 3 CEMENT MAY BE USED AT THE CONTRACTORS OPTION.
8. ALL WORK NECESSARY TO FABRICATE AND INSTALL THE INTEGRAL PARTS OF THE BEAM (INCLUDING THE HOLES FOR TIE RODS, TIE RODS, ELASTOMERIC BEARING PADS AND OTHER ITEMS) AS SHOWN ON PLANS SHALL BE INCLUDED IN BID PRICE FOR PRESTRESSED CONCRETE BEAM MEMBER.
9. THE TOP SURFACE OF THE BEAM IS TO BE THOROUGHLY WIRE BRUSHED AND SCORED TRANSVERSELY AFTER INITIAL SET TO A MINIMUM DEPTH OF 1/4" FOR ENTIRE FLANGE WIDTH. REMOVE LAITANCE.
10. MANUFACTURER OF MEMBERS MAY MODIFY DESIGN AS NECESSARY TO SUIT HIS PROCESS. DETAILS OF THE REVISED DESIGN AND CALCULATIONS SHALL BE SUBMITTED TO THE PROJECT ENGINEER FOR APPROVAL. DESIGN LOADS SHALL BE AS INDICATED FOR INTERIOR AND EXTERIOR BOXES.

BEAM DESIGN DATA – LOADING ASSUMPTIONS

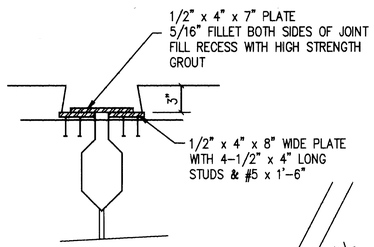
1. LIVE LOAD HS20-44 – ALL LANES + SIDEWALK
2. DEAD LOAD OF CURB & GUTTER, SIDEWALK, FILL UNDER SIDEWALK, & WALL BARRIER TO BOXES #2 – FIVE EXTERIOR BOXES EACH SIDE.
3. INTERIOR BOXES #3 – DEAD LOAD = 7.5" ASPHALT PAVING.
4. SEE SHEET 17 FOR CONCRETE PEDESTAL ON EDGE BEAMS.

BEAM DESIGN DATA: EXTERIOR VOIDED SLABS

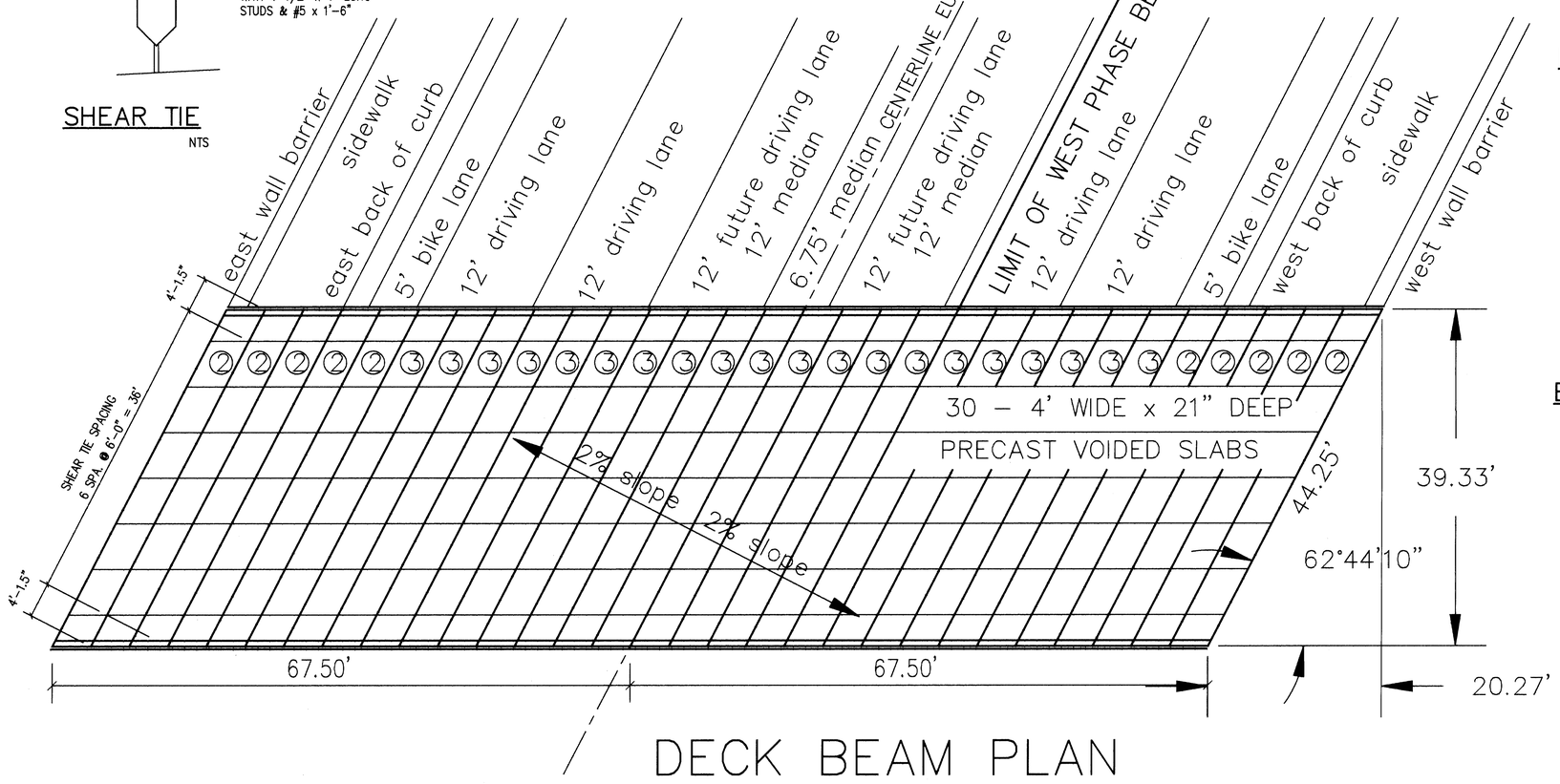
1. DESIGN ACCORDING TO AASHTO SPECIFICATIONS
2. DESIGN STRESS:

BEAMS: CONCRETE F'c ± (MIN. COMPRESSIVE STRENGTH OF CONCRETE AT TIME OF INITIAL PRESTRESS) = 4000 PSI
F'c = 5000 PSI
PRESTRESS REINF.: 1/2" DIA. – 270 KSI LOW-LAX 7-WIRE STRANDS
INTIAL PRESTRESS = 27.89 KIPS/STRAND – BOXES # 2
ESTIMATED LOSS @ 20%
PRESTRESS AFTER LOSSES = 22.31 KIPS/STRAND
CONVENTIONAL REINF. STEEL: LONGITUDINAL DOWELS & STIRRUPS ASTM A615-GR60 (ALL WELDED BARS ASTM A706)

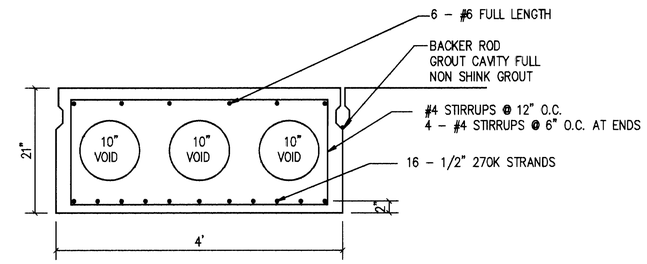
ESTIMATED BEAM CHAMBER AT ERECTION = 1.40"
ESTIMATED DEAD LOAD DEFLECTION – CURB & GUTTER/SIDEWALK/WALL BARRIER = 0.37"
LIVE LOAD DEFLECTION = 0.30"
LIVE LOAD = HS-20-44



SHEAR TIE
NTS



DECK BEAM PLAN
NTS

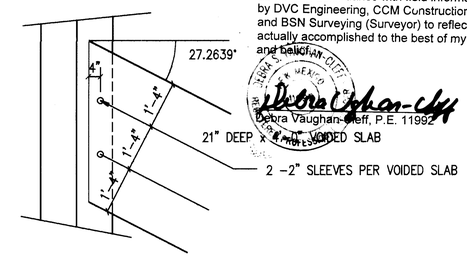


EXTERIOR BEAM SECTION
SCALE: 1" = 1'-0"

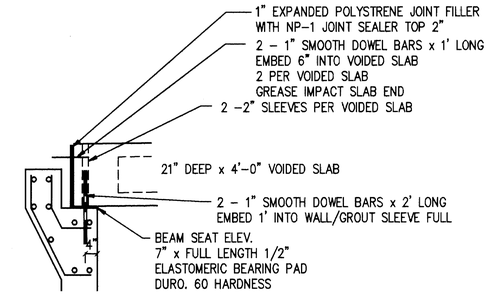
RECORD DRAWING

The improvements shown on this drawing have been as-built in accordance with field information provided by DVC Engineering, CCM Construction (Contractor), and BSN Surveying (Surveyor) to reflect construction actually accomplished to the best of my knowledge and belief.

Debra Vaughan-Oleff, P.E. 11992 — Date 7/31/97



BEAM – WALL PLAN



BEAM – WALL SECTION

BID SET
APRIL 10, 1996

BENCH MARKS
ACS STATION 8-21
ELEVATION 5702.26
APPROX. 375' WEST OF EUBANK
ON ACADEMY – NORTH CURB LINE

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
PROFESSIONAL ENGINEER — STATE OF NEW MEXICO — 11992 — REGISTERED
7/31/96

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY RICHARD G. VAUGHAN, PE
DRAWN BY
CHECKED BY

MICRO-FILM INFORMATION
RECORDED BY
NO.
K-V – CADD

KEMPER-VAUGHAN
CONSULTING ENGINEERS
3700 COORS RD. NW
ALBUQUERQUE, NEW MEXICO 87120

COMPUTER FILE: BLBR7-7

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: PRESTRESSED CONCRETE VOIDED SLAB DETAILS
EUBANK BRIDGE

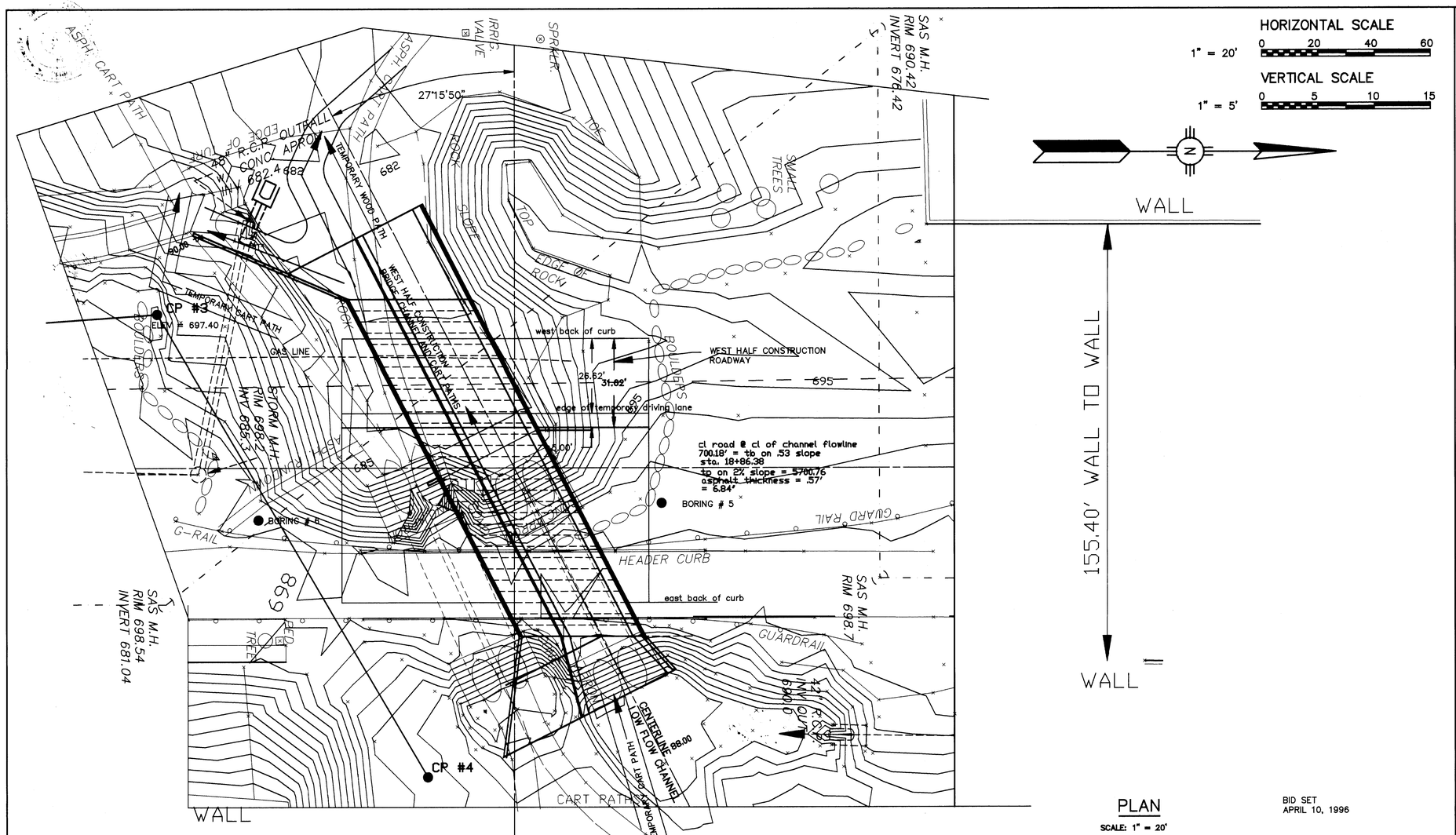
B.J.B. 4-12-96

Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
	1/11/96	4/10/96
	2/25/96	
	3/18/96	
	3/31/96	

City Project No.	Zone Map No.	Sheet	of
4405-90	D-20	18	46

SCANNED BY
BY LASON

SCALE 1/2" = 1'-0"



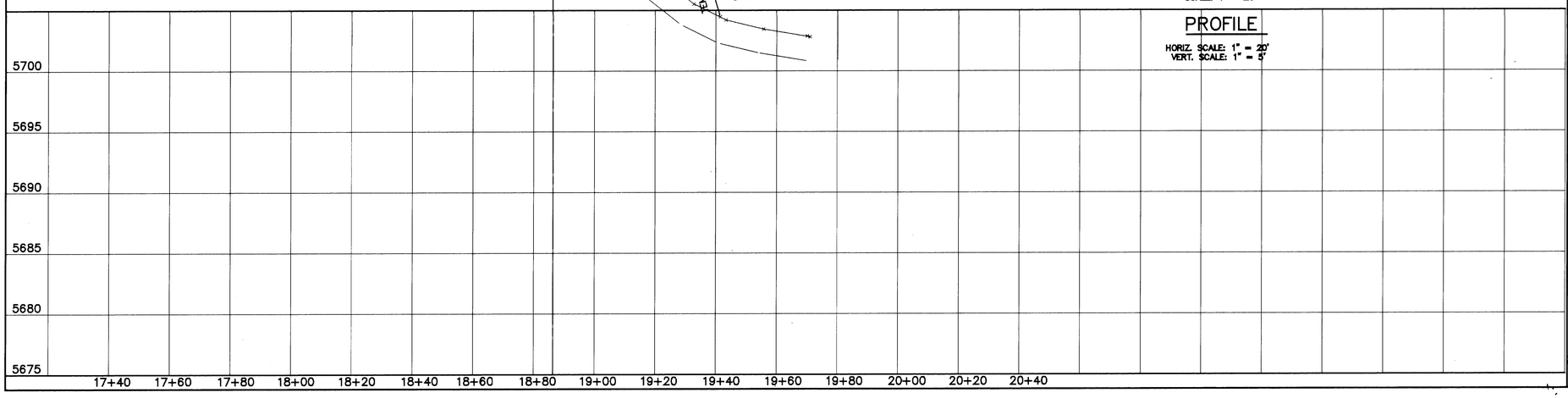
PLAN

SCALE: 1" = 20'

BID SET
APRIL 10, 1996

PROFILE

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



NOTES:

BRIDGE CONSTRUCTION PHASING SEQUENCE :

1. BUILD TEMPORARY SOUTH CART PATH AROUND END OF SOUTHWEST WINGWALL. PHASE 1A.
2. CLOSE NORTH CART PATH. MAINTAIN CARTS ON SOUTH PATH. CONSTRUCT FIRST 8' LIFT OF NORTH AND SOUTH ABUTMENTS AND WINGWALLS TO CENTER WINGWALLS. EXTEND 42" STORM DRAIN AND CONSTRUCT CONCRETE CHANNEL WORKS FROM CENTER WINGWALLS TO END. COMPLETE CART PATH IMPROVEMENTS ON WEST END. PHASE 1B.
3. BUILD TEMPORARY CART PATH ON EAST END FROM EXISTING SOUTH PATH TO THE SOUTHERN MOST 8' STORM CULVERT. PAVE CULVERT TO MAKE TEMPORARY PATH. GROUT 12' GOLF MAINTAINENCE VEHICLE PATH OVER RIP-RAP. DIVERT CARTS TO NEW TEMPORARY PATH. PHASE 1B & PHASE 2.
4. COMPLETE NORTH AND SOUTH ABUTMENTS AND WINGWALLS. SET BRIDGE BEAMS AND COMPLETE WEST SECTION OF ROADWAY. PHASE 2.
5. DIVERT TRAFFIC TO NEW WEST ROADWAY REMOVE TWO SOUTH CULVERTS AND NORTH CULVERT. CONSTRUCT REMAINING NORTH AND SOUTH ABUTMENTS AND WINGWALLS. COMPLETE BRIDGE DECK WITH CENTER CULVERT IN PLACE. PHASE 3.
6. CONSTRUCT SOUTH CHANNEL CART PATH CHANNEL. DIVERT CARTS TO SOUTH HALF OF CART PATH CHANNEL. PHASE 3 & PHASE 4.
7. REMOVE REMAINING CULVERT AND COMPLETE CHANNEL CONSTRUCTION. PHASE 4.
8. TEMPORARY CART PATH WORK IS INCIDENTAL TO THE BRIDGE CONSTRUCTION.

AS BUILT INFORMATION
CONTRACTOR
STAKED BY DATE
INSPECTED BY DATE
VERIFICATION BY DATE
DRAWINGS BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS STATION 8-21
ELEVATION 5702.26
APPROX. 375' WEST OF EUBANK
ON ACADEMY - NORTH CURB LINE

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

RECORD DRAWING

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Debra Vaughan Oleff 7/21/97
Debra Vaughan Oleff, P.E. 11892 Date

K-V - CADD

KEMPER-VAUGHAN
CONSULTING ENGINEERS
3700 COORS RD. NW
ALBUQUERQUE, NEW MEXICO 87120

COMPUTER FILE: BP

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EXISTING & NEW CROSSING
CONSTRUCTION SEQUENCE - EUBANK @ TANOAN

B.G.A. 4-12-96

Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
	1/11/96	4/10/96
	2/25/96	
	3/18/96	
	3/31/96	

City Project No.	Zone Map No.	Sheet	of
4405-90	D-20	19	46

SCALE 1" = 20'

SCANNED BY
BY LASON

GENERAL NOTES AND STRUCTURAL NOTES

1) MATERIALS (ALSO SEE SPECIFICATIONS)

- CONCRETE: DESIGN PER ACI 318–91
  a. TYPE II CEMENT
  b. ALL CONCRETE – F'c – 4000 PSI
- REINFORCING:
  a. ALL – ASTM A615 – GR. 60 – Fy = 60,000 psi
- STRUCTURAL STEEL: DESIGN PER AISC MANUAL – 9TH EDITION
  a. MISC. SHAPES, ANGLES, CHANNELS, PLATES ASTM A36, Fy = 36,000 psi
- BOLTS: ASTM A307 OR ASTM A325
- WELDING: E70XX ELECTRODES
- FILL MATERIAL: GRANULAR MATERIAL
  1 1/2" – 100% PASSING
  NO. 4 – 25–70% PASSING
  NO. 10 – 20–55% PASSING
  NO. 200 – 0–12% PASSING

2) GENERAL CONSTRUCTION NOTES

A) FOUNDATION NOTES:
1. FOOTINGS SHALL REST ON GRANULAR FILL OR NATIVE SOIL AT DEPTHS SHOWN. IN THE EVENT OF OVER EXCAVATION FOR FOOTINGS, OVER EXCAVATED PORTION SHALL BE FILLED WITH CONCRETE TO THE CORRECT ELEVATION. SUCH CONCRETE WILL BE OF SAME QUALITY AS THAT SPECIFIED FOR FOOTINGS AND AT NO EXPENSE TO THE CITY.

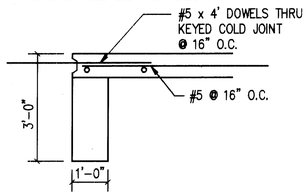
B) CAST–IN–PLACE CONCRETE NOTES:
1. UNLESS OTHERWISE NOTED, CONCRETE COVERAGE OVER REINFORCEMENT SHALL CONFORM TO SECTION 7.7.1 OF THE ACI STANDARD 318–91.
2. UNLESS OTHERWISE SHOWN, MINIMUM SPLICE LAP ON ALL REINFORCING BARS SHALL BE 30 BAR DIAMETERS.
3. TOP 12 INCHES OF SUBGRADE MATERIAL AND ALL FILL LAYERS BELOW ALL SLABS ON GRADE SHALL BE COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY AS PER ASTM D1557.
4. CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES TO INSURE THAT ALL ANCHORS, EMBEDDED ITEMS, RECESSED AREAS AND PENETRATIONS COMPLY WITH DETAILS AS SHOWN ON DRAWING OR OTHERWISE SPECIFIED.
5. EXPOSED WALLS SHALL HAVE A CLASS 1 FINISH.

3) EXISTING UTILITIES PROTECTION NOTES:

A. NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN HEREON AND THAT ANY EXISTING UTILITIES THAT ARE SHOWN, ARE IN AN APPROXIMATE LOCATION ONLY. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS AND CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATIONS TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY HIS FAILURE TO LOCATE, IDENTIFY, AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES.

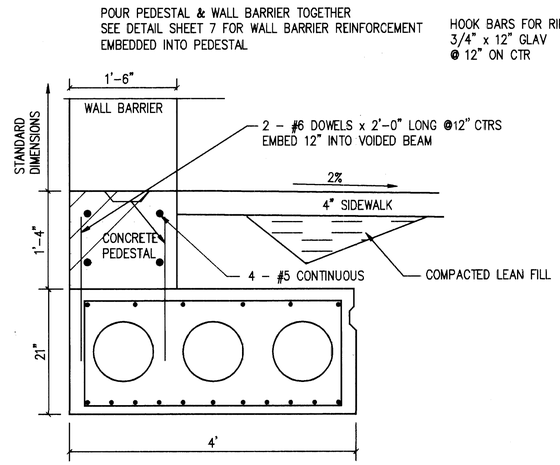
B. THE CARE AND PROTECTION OF ALL OTHER UTILITIES, AND OTHER STREET APPURTENANCES THAT ARE NOT PART OF THE INTENDED WORK AS SHOWN ON THE PLANS ARE THE RESPONSIBILITY OF THE CONTRACTOR. IF DAMAGED, LOST IN TRENCH, OR OTHERWISE HARMFULLY DISTURBED, THESE DAMAGES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

C. WATER SHUT–OFF PLANS ARE FOR CITY USE ONLY. CONTRACTOR IS REQUIRED TO NOTIFY WATER SYSTEMS THREE WORKING DAYS PRIOR TO ANY REQUIRED OPERATIONS (857–0200). WATER SYSTEM SHUT–OFFS AND TURN–ONS SHALL BE PER SECTION 18.3 OF THE GENERAL CONDITIONS.



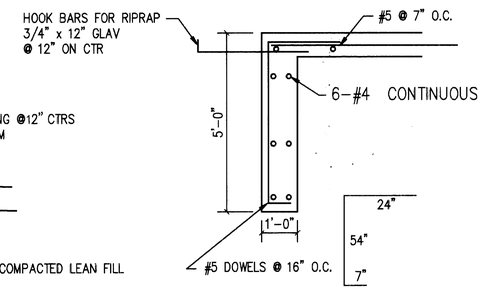
CUTOFF WALL EAST END OF WEST CONSTRUCTION

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



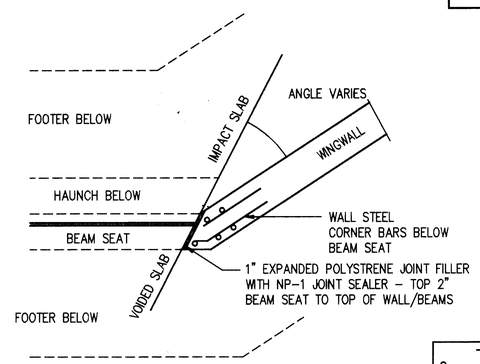
WALL BARRIER BEAM PEDSTAL–ON EDGE BEAMS

SCALE: 1" = 1'-0"



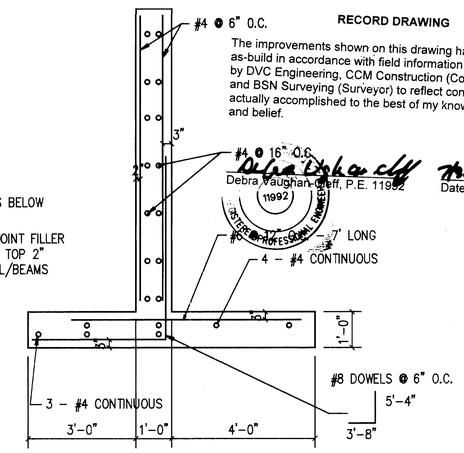
CUTOFF WALL @ CHANNEL ENDS

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



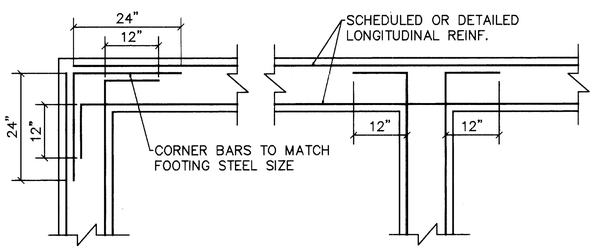
TYPICAL HEADWALL/WINGWALL

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



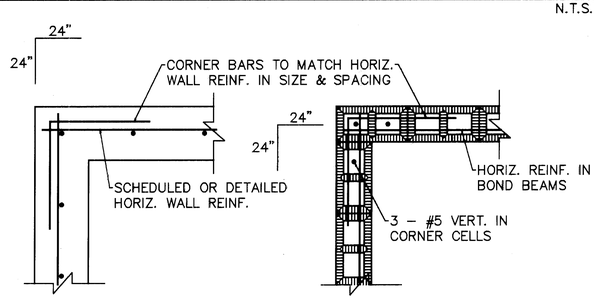
NORTH CENTER HEADWALL

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



TYPICAL CORNER REINFORCING IN FOOTINGS

N.T.S.

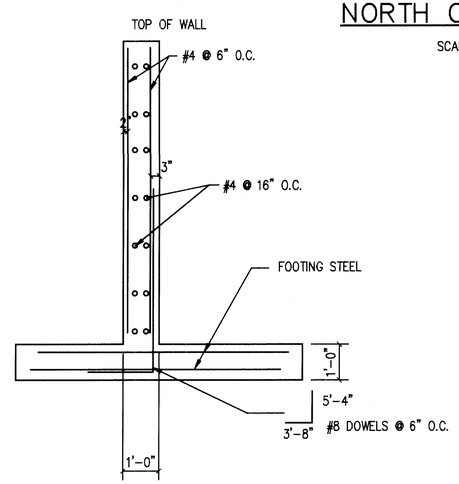


CONCRETE WALLS

MASONRY WALLS

TYPICAL CORNER REINFORCING IN WALLS

N.T.S.



SOUTH CENTER HEADWALL

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

BRIDGE BID ITEM NOTES:

1. BID ITEM 0501.01 – STRUCT. BACKFILL & COMP – ABUTMENT & WINGWALLS. THIS QUANTITY IS LIMITED TO BACKFILL 10' BEHIND THE WALL. ALL OTHER BACKFILL IS PAID FOR UNDER ITEM 0204.01 – FILL, BARROW, HAUL & COMPACT.
2. BID ITEM 0601.01 – EXCAV/BF/COMP, CHNLS REFERS TO ALL EXCAVATION, BACKFILL, AND COMPACTION NECESSARY TO PREPARE THE SUBGRADE IN THE CHANNEL FOR THE CHANNEL SLAB, RIPRAP, AND CART PATHS AFTER UNCLASSIFIED EXCAVATION IS COMPLETE FOR THE CHANNEL.
3. BID ITEM 0601.02 – EXCAV & DISP, U, CHNLS – IS LIMITED TO EXCAVATION AND DISPOSAL OF MATERIALS WITHIN THE AREA OF THE BRIDGE INCLUDING EXCAVATION AROUND CULVERTS, REMOVAL OF ROCK SLOPE, BOULDERS, ETC.. BOULDERS AND ROCKS SHALL BE STOCKPILED AND RE–INSTALLED ON SLOPES OUTSIDE THE ROADWAY PRISM IN THE VICINITY OF THE GOLF COURSE PROPER AT THE DIRECTION OF THE ENGINEER. THE RE–INSTALLATION IS PART OF THE PERMANENT GOLF COURSE LANDSCAPING AND SHALL BE COORDINATED WITH THE GOLF COURSE MAINTAINENCE PERSONNEL.

RECORD DRAWING

The improvements shown on this drawing have been as-built in accordance with field information provided by DVC Engineering, CCM Construction (Contractor), and BSN Surveying (Surveyor) to reflect construction actually accomplished to the best of my knowledge and belief.

Debra Vaughan-Graeff, P.E. 11992 — Date

AS BUILT INFORMATION: CONTRACTOR — STAKED BY — INSPECTED BY — VERIFICATION BY — DRAWINGS BY — MICRO–FILM INFORMATION — RECORDED BY — NO. — DATE

BENCH MARKS: ACS STATION 8–21, ELEVATION 5702.26; APPROX. 375' WEST OF EUBANK ON ACADEMY – NORTH CURB LINE

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

ENGINEER'S SEAL

BID SET
APRIL 10, 1996

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY
DRAWN BY
CHECKED BY

K–V – CADD

KEMPER–VAUGHAN
CONSULTING ENGINEERS
3700 COORS RD. NW
ALBUQUERQUE, NEW MEXICO 87120

COMPUTER FILE: SN

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: GENERAL NOTES – MISC DETAILS
EUBANK BRIDGE

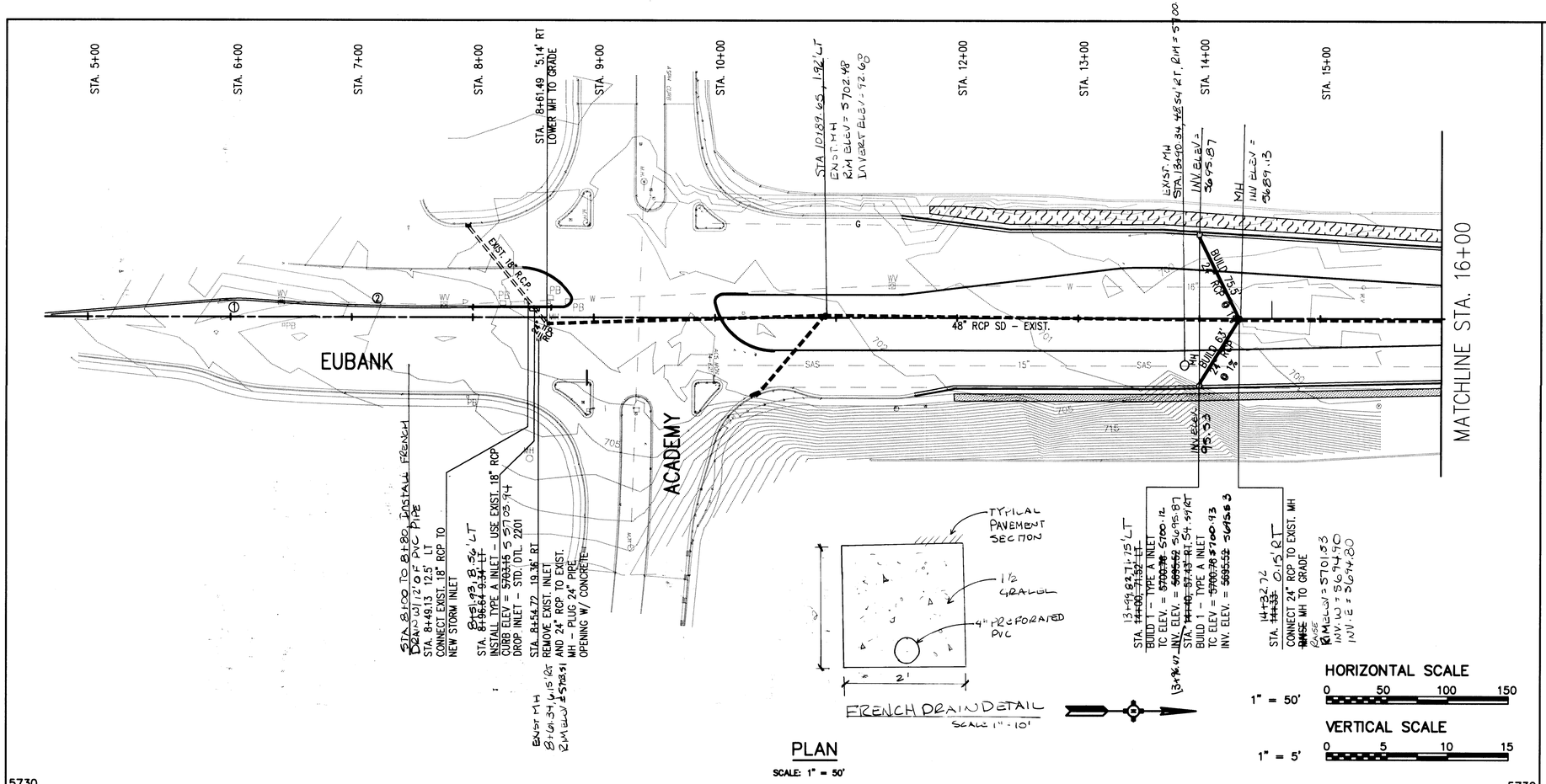
B.J.Y. 4-12-96

Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
	1/11/96	4/10/96
	2/25/96	
	3/18/96	
	3/31/96	

City Project No.	Zone Map No.	Sheet	of
4405–90	D–20	20	46

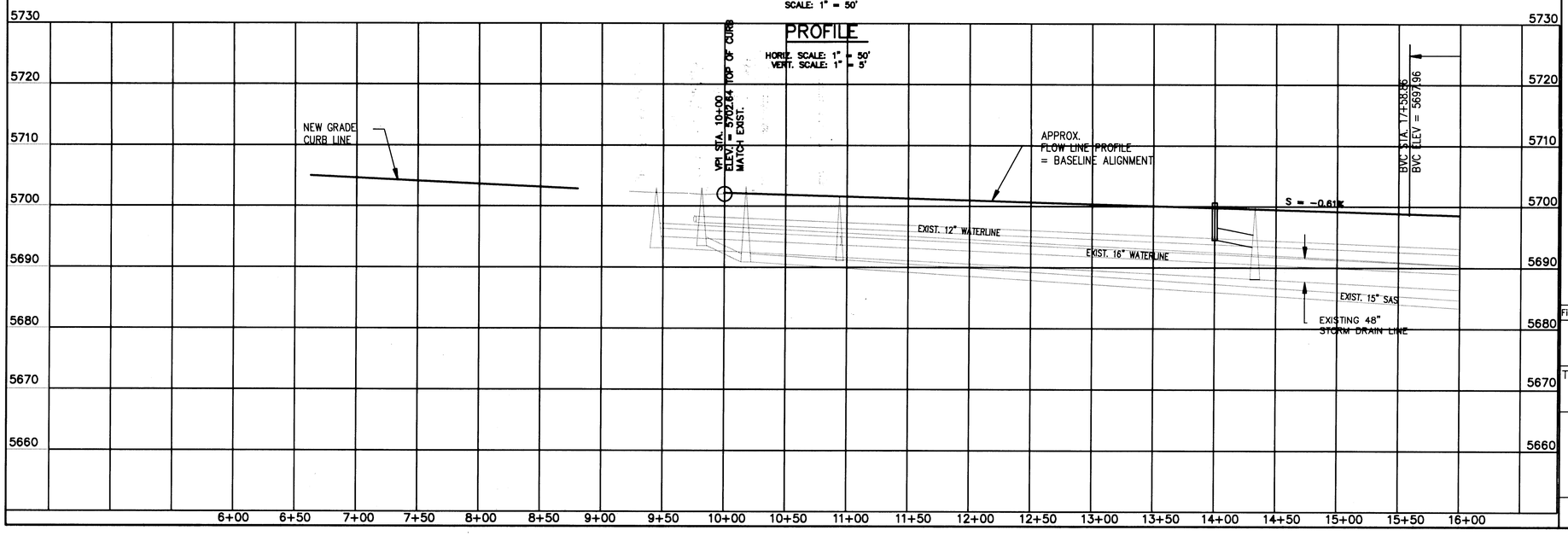
SCANNED BY BY LASON

SCALE 1/2" = 1'-0"



PLAN

SCALE: 1" = 50'



NOTES:

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Debra Vaughan-Cleff, P.E. 11992 — 7/31/97
Date

LEGEND

- NEW SIDEWALK
- NEW TRAIL
- NEW MEDIAN CURB & GUTTER
- NEW STANDARD CURB & GUTTER
- NEW ASPHALT CURB
- NEW STORM DRAIN
- 48" RCP SD — EXIST. STORM DRAIN (TYPE/SIZE)
- —IR— 8" — EXIST. IRRIGATION LINE
- —G— EXIST. GAS LINE
- —SAS— 15" — EXIST. SANITARY SEWER/SIZE
- —W— 12" — EXIST. WATER LINE/SIZE
- TS EXIST. TELEPHONE PEDESTAL
- EXIST. GUARD RAIL
- EXIST. DROP INLET
- EXIST. BOULDERS
- MH EXIST. MANHOLE
- EXIST. SLUMP BLOCK WALL
- EXIST. TREE
- LPB EXIST. LIGHTING PULL BOX
- WV EXIST. WATER VALVE
- EXIST. TRAFFIC SIGN
- EXIST. LIGHT

DVC Debra Vaughan-Cleff, P.E.
DVC Consulting Engineer
DVC 6212 Torreon NE
DVC Albuquerque, New Mexico 87109
DVC (505) 249-6196
DVC Fax: (505) 828-1215

File: ED-PP1

AS BUILT INFORMATION

CONTRACTOR	
STAKED BY	DATE
INSPECTED BY	DATE
VERIFICATION BY	DATE
DRAWINGS BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS

ACS STATION 8-21
ELEVATION 5702.26
APPROX. 375' WEST OF EUBANK
ON ACADEMY - NORTH CURB LINE

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	REX VOLGER	

ENGINEER'S SEAL

DEBRA A. VAUGHAN-CLEFF — NEW MEXICO — 11992 — REGISTERED PROFESSIONAL ENGINEER

2/10/98

No.	Date	REMARKS	BY
		REVISIONS	
		DESIGN	

Designed By: Debra Vaughan-Cleff, PE
Drawn By: RDW
Checked By: DVC/RGV

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISON

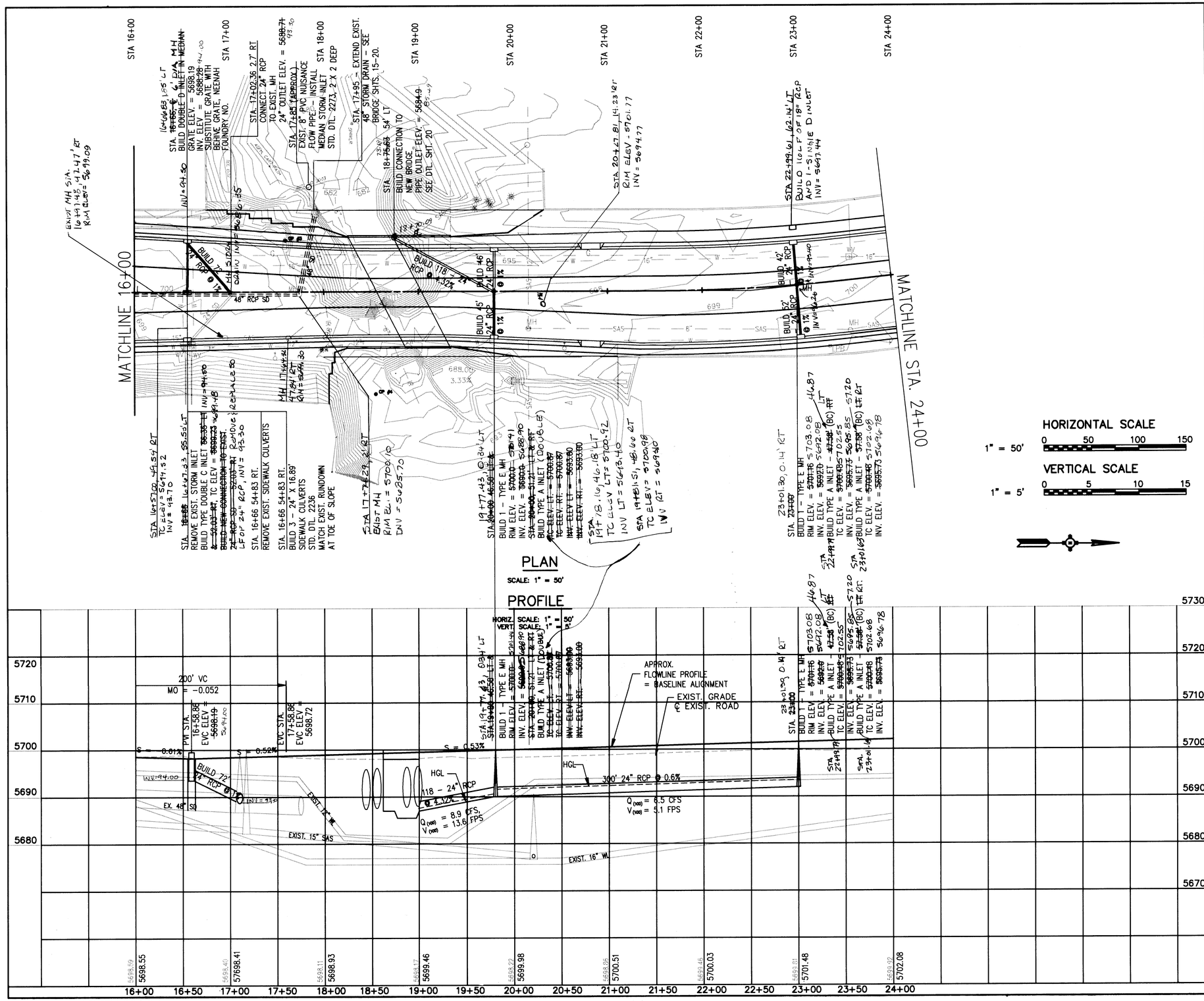
TITLE: EUBANK STORM SEWER PLAN & PROFILE
STA. 6+00 TO 16+00

B.G.B. 4-12-96

Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4405-90	D-20	21	46

SCANNED BY BY LASON



1" = 50'

HORIZONTAL SCALE
0 50 100 150

1" = 5'

VERTICAL SCALE
0 5 10 15

NOTES:

RECORD DRAWING

The improvements shown on this drawing have been as-built in accordance with field information provided by DVC Engineering, CCM Construction (Contractor), and BSN Surveying (Surveyor) to reflect construction actually accomplished to the best of my knowledge and belief.

Debra Vaughan-Cleff, P.E. 11992 — Date 7/21/97

LEGEND

- NEW SIDEWALK
- NEW TRAIL
- NEW CURB AND GUTTER
- 48" RCP SD — EXIST. STORM DRAIN (TYPE/SIZE)
- IR — 8" — EXIST. IRRIGATION LINE
- G — EXIST. GAS LINE
- SAS — 15" — EXIST. SANITARY SEWER/SIZE
- W — 12" — EXIST. WATER LINE/SIZE
- EXIST. TELEPHONE PEDESTAL
- EXIST. GUARD RAIL
- EXIST. DROP INLET
- EXIST. BOULDERS
- MH — EXIST. MANHOLE
- EXIST. SLUMP BLOCK WALL
- EXIST. TREE
- LPB — EXIST. LIGHTING PULL BOX
- EXIST. WATER VALVE
- EXIST. TRAFFIC SIGN
- EXIST. LIGHT

DVC Debra Vaughan-Cleff, P.E.
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DVC (505) 249-6196
DVC Fax: (505) 828-1215

File: ED-PP2

SURVEY INFORMATION			
FIELD NOTES			
NO.	BY	DATE	
	REX VOLGER		

BENCH MARKS	
ACS STATION 8-21	
ELEVATION 5702.26	
APPROX. 375' WEST OF EUBANK	
ON ACADEMY - NORTH CURB LINE	

AS BUILT INFORMATION	
CONTRACTOR	
STAKED BY	DATE
INSPECTED BY	DATE
VERIFICATION BY	DATE
DRAWINGS BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

ENGINEER'S SEAL

No.	Date	REMARKS	BY
		REVISIONS	
		DESIGN	

Designed By: Debra Vaughan-Cleff, PE
Drawn By: ROW
Checked By: DVC/ROW

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

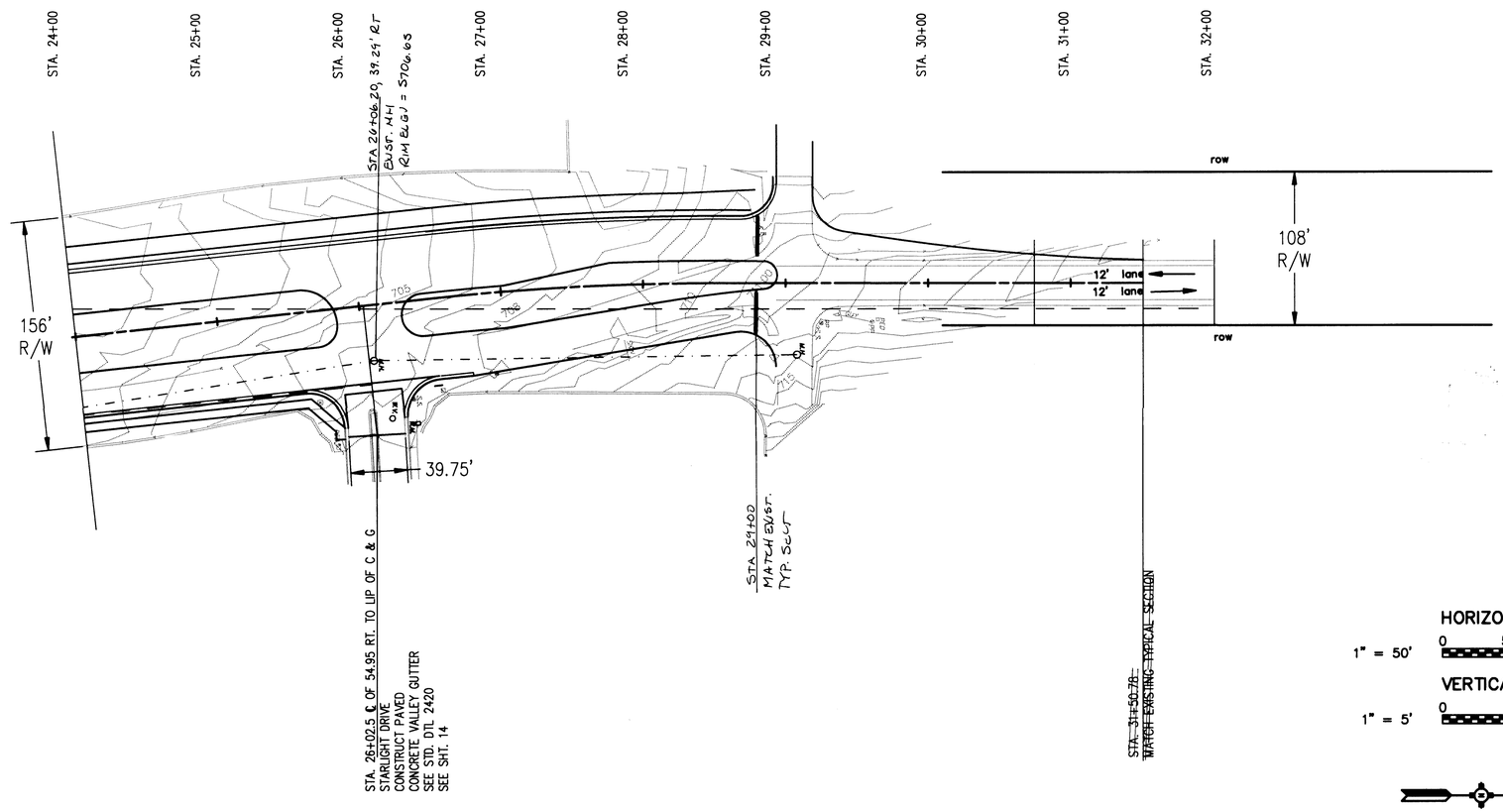
TITLE: EUBANK STORM SEWER PLAN & PROFILE
STA. 16+00 TO 24+00

B.J.B. 4-12-96

Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4405-90	D-20	22	46

SCANNED BY
BY LASON



PLAN

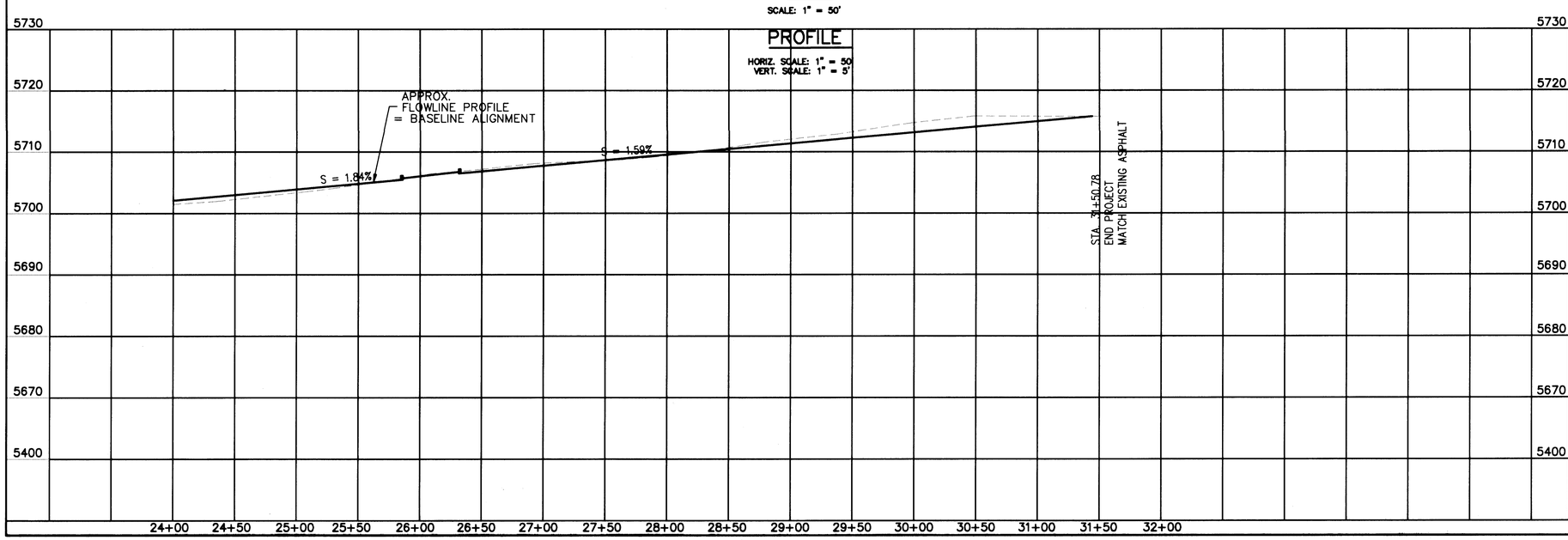
SCALE: 1" = 50'

HORIZONTAL SCALE 1" = 50' (0, 50, 100, 150)

VERTICAL SCALE 1" = 5' (0, 5, 10, 15)

PROFILE

HORIZ. SCALE: 1" = 50'
VERT. SCALE: 1" = 5'



NOTES:

RECORD DRAWING

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Debra Vaughan-Cleff P.E. 11992 — Date 7/31/97

LEGEND

- NEW SIDEWALK
- NEW TRAIL
- NEW CURB AND GUTTER
- 48" RCP SD — EXIST. STORM DRAIN (TYPE/SIZE)
- IR — 8" — EXIST. IRRIGATION LINE
- G — EXIST. GAS LINE
- SAS — 15" — EXIST. SANITARY SEWER/SIZE
- W — 12" — EXIST. WATER LINE/SIZE
- EXIST. TELEPHONE PEDESTAL
- EXIST. GUARD RAIL
- EXIST. DROP INLET
- EXIST. BOULDERS
- MH — EXIST. MANHOLE
- EXIST. SLUMP BLOCK WALL
- EXIST. TREE
- LPB — EXIST. LIGHTING PULL BOX
- WV — EXIST. WATER VALVE
- EXIST. TRAFFIC SIGN
- EXIST. LIGHT

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DVC Fax: (505) 828-1215

AS BUILT INFORMATION: CONTRACTOR / STAKED BY / INSPECTED BY / VERIFICATION BY / DRAWINGS BY / MICRO-FILM INFORMATION / RECORDED BY / NO. — DATE

BENCH MARKS: ACS STATION 8-21; ELEVATION 5702.26; APPROX. 375' WEST OF EUBANK ON ACADEMY - NORTH CURB LINE

SURVEY INFORMATION — FIELD NOTES: NO. / BY / DATE; REX VOLGER

ENGINEER'S SEAL: NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 11992 — 4/14/96

No.	Date	REMARKS	BY
		REVISIONS	
		DESIGN	

Designed By: Debra Vaughan-Cleff, PE
Drawn By: RDW
Checked By: DVC/RGV

File:

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

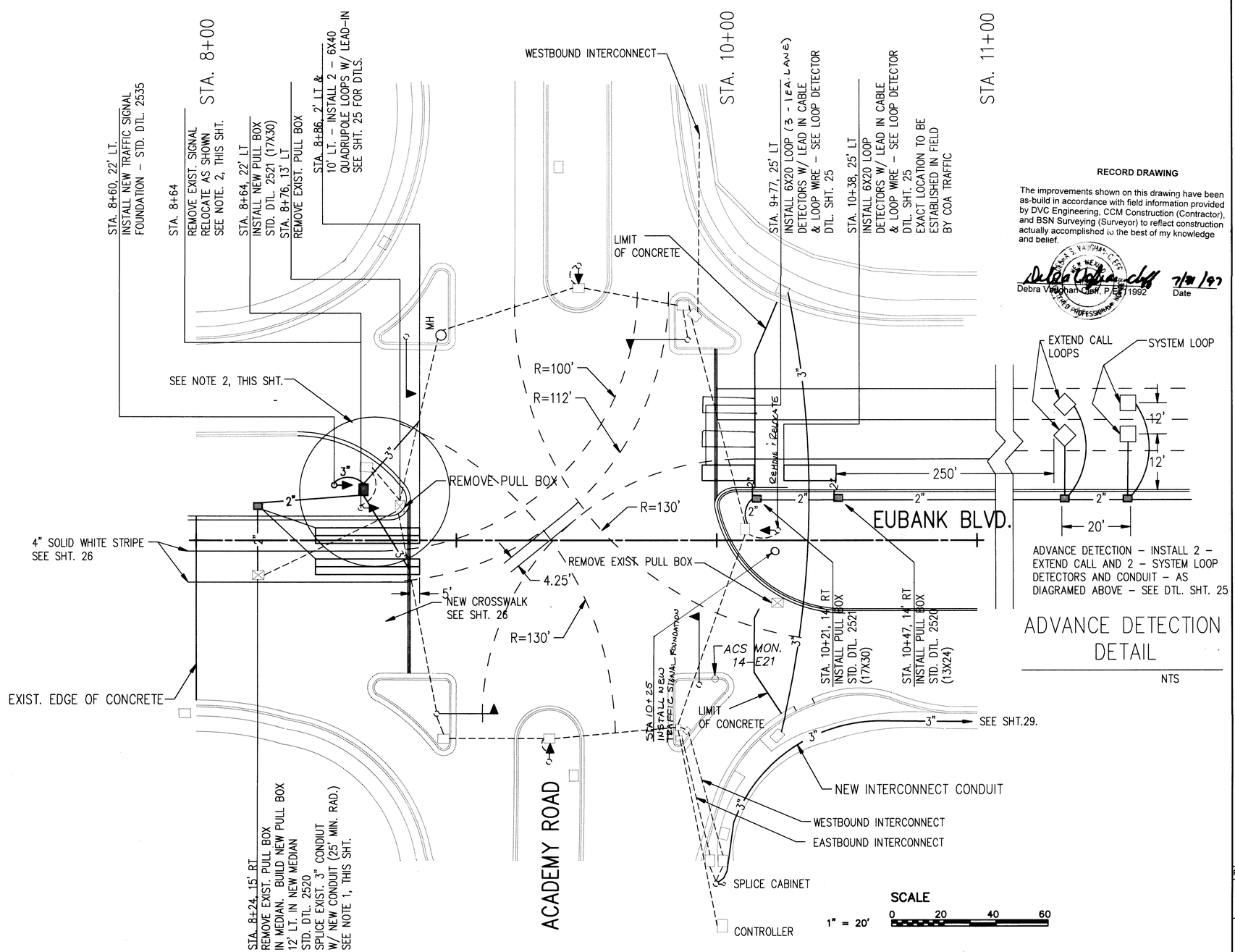
TITLE: EUBANK STORM SEWER PLAN & PROFILE
STA. 24+00 TO 32+00

B.J.K. 4-12-96

Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4405-90	D-20	23	46

SCANNED BY
BY LASON



INTERSECTION SIGNAL PLAN

SCALE: 1" = 20'

ADVANCE DETECTION – INSTALL 2 – EXTEND CALL AND 2 – SYSTEM LOOP DETECTORS AND CONDUIT – AS DIAGRAMED ABOVE – SEE DTL. SHT. 25

ADVANCE DETECTION DETAIL

NTS

RECORD DRAWING

The improvements shown on this drawing have been as-built in accordance with field information provided by DVC Engineering, CCM Construction (Contractor), and BSN Surveying (Surveyor) to reflect construction actually accomplished to the best of my knowledge and belief.

Debra Vaughan Cleff, P.E. #11992 — Date 7/31/97

NOTES:

1. SIGNAL AND LIGHTS SHALL REMAIN IN OPERATION DURING CONSTRUCTION, EXCEPT DURING REWIRING FOLLOWING RELOCATION OF PULL BOXES AND CONDUIT. CONTRACTOR SHALL HIRE OFF DUTY POLICE OFFICERS TO CONDUCT TRAFFIC CONTROL DURING RELOCATION OF ANY SIGNAL RELATED EQUIPMENT. THIS ITEM SHALL BE INCIDENTAL TO RELOCATION OF SIGNAL AND RELATED PULL BOXES ONLY.
2. INTERSECT EXIST. 3" SCH. 40 PVC CONDUIT AND EXTEND TO NEW PULL BOX AS SHOWN – 20' RADIUS MINIMUM TO BE USED ON THESE SWEEPS. CONTRACTOR SHALL INSTALL NEW S.P. FOUNDATION AND RELOCATED SIGNAL WORK ON MEDIAN PRIOR TO INTERCEPTING CONDUIT. CONTRACTOR SHALL CONTACT CITY TRAFFIC ENGINEERING (ED TOLEDO) AT 857-8000 FIVE (5) WORKING DAYS PRIOR TO INTERCEPTING EXISTING CONDUIT AND COORDINATE WORK WITH TRAFFIC. COA TRAFFIC WILL COMPLETE REQUIRED SIGNAL WIRING AT INTERSECTION.

LEGEND

- EXISTING PULL BOX TO REMAIN
- EXISTING PULL BOX TO BE RELOCATED OR REMOVED
- NEW PULL BOX – SMALL STD. DTL. 2520
- NEW PULL BOX – LARGE STD. DTL. 2521
- EXISTING CONDUIT
- 2" NEW 2" CONDUIT – PVC
- 3" NEW 3" CONDUIT – PVC
- EXIST. MASTARM TO REMAIN
- EXIST. SIGNAL STANDARD TO REMAIN
- RELOCATED SIGNAL POLE ON NEW FOUNDATION, SEE NOTE 2, THIS SHT.

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AS BUILT INFORMATION	
CONTRACTOR	
STAKED BY	DATE
INSPECTED BY	DATE
VERIFICATION BY	DATE
DRAWINGS BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS	
ACS STATION 8-21	
ELEVATION 5702.26	
APPROX. 375' WEST OF EUBANK	
ON ACADEMY – NORTH CURB LINE	

SURVEY INFORMATION		
FIELD NOTES		
NO.	BY	DATE
	REX VOLGER	

ENGINEER'S SEAL

No.	Date	REMARKS	BY
		REVISIONS	

DESIGN
Designed By: Debra Vaughan-Cleff, PE
Drawn By:
Checked By:

File:

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE:

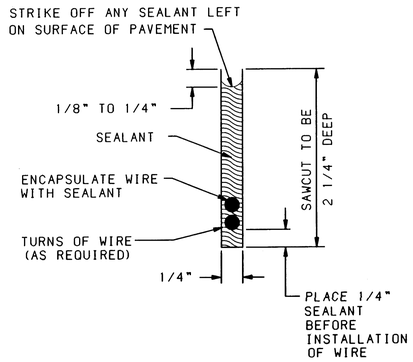
EUBANK/ACADEMY INTERSECTION PLAN

B.J.B. 4-12-96

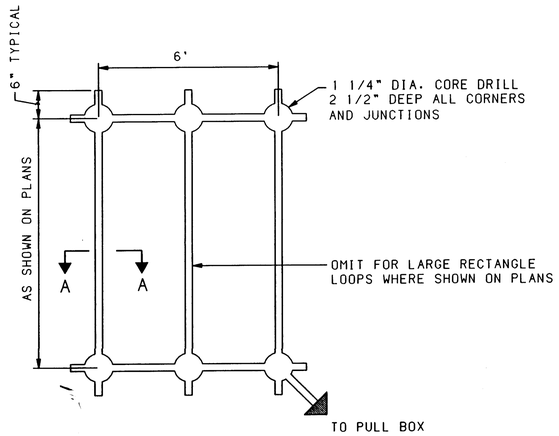
Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4405.90	D-20	24	46

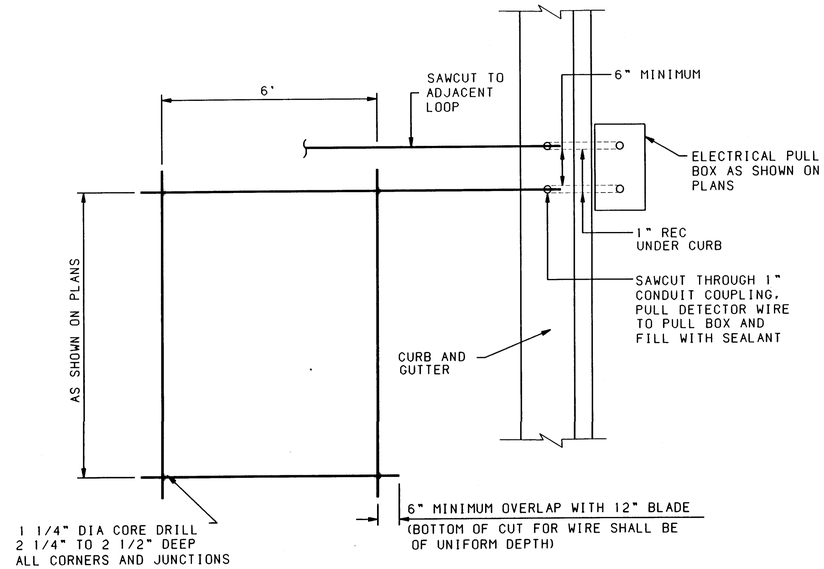
SCANNED BY LASON



SECTION A-A



PLAN VIEW



PLAN VIEW

TYPICAL ROADWAY LOOP SAWCUT DETAIL

RECORD DRAWING

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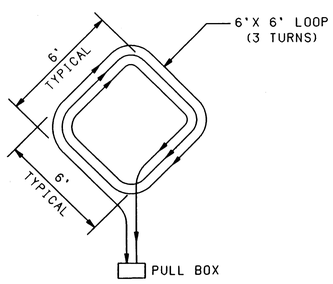
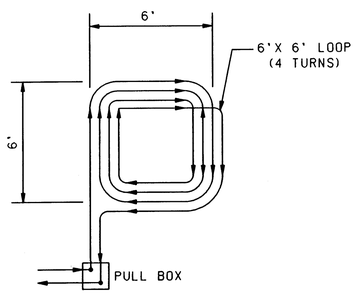
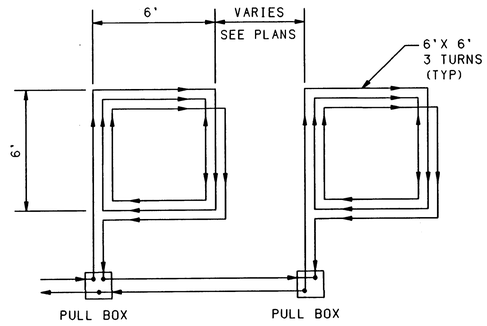
Debra Vaughan-Cleff, P.E. 11992 — Date 7/31/97



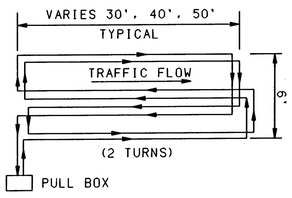
EXTEND CALL LOOP WIRING DETAIL



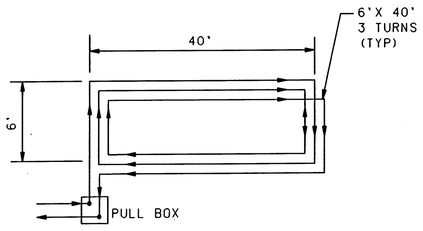
SYSTEM LOOP WIRING DETAIL



SERIES LOOP WIRING DETAIL



QUADRUPOLE LOOP WIRING DETAIL

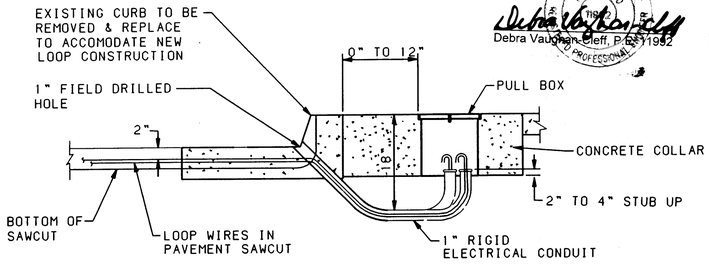


LARGE RECTANGULAR LOOP WIRING DETAIL

NOTES

1. WIRES MUST BE WOUND IN THE DIRECTION SHOWN.
2. QUADRUPOLE LOOPS SHALL HAVE 2 TURNS.
3. EXTEND CALL LOOPS SHALL HAVE 3 TURNS.
4. SYSTEM DETECTOR LOOPS SHALL HAVE 4 TURNS.
5. LARGE RECTANGLE LOOPS SHALL HAVE 3 TURNS

TYPICAL LOOP WIRE PLACEMENT DETAILS



SECTION

LOOP WIRE TERMINATION DETAILS

LOOP DETECTOR NOTES

1. ALL LOOP DETECTOR WIRE SHALL BE NO. 14 AWG STRANDED COPPER WIRE WITH CROSSLINKED POLYETHYLENE INSULATION (INDUSTRY TYPE XHHW) CONFORMING TO THE REQUIREMENTS OF I.M.S.A. SPECIFICATIONS NO 51-3 1984. BACKER ROD SHALL NOT BE USED IN THE INSTALLATION OF LOOP (EXCEPT PIECES LESS THAN 12" WHICH MAY BE PLACED OVER THE WIRE AT THE SAW CUT CORNERS TO HOLD THE WIRE. A 1/4" LAYER OF SEALANT SHALL BE PLACED IN THE SAWCUT BEFORE PLACEMENT OF THE WIRE AND THEN THE WIRE SHALL BE ENCAPSULATED WITH SEALANT. HOT-MELT RUBBERIZED ASPHALT LOOP DETECTOR SEALANT MANUFACTURED BY CRAFCO SHALL BE AN ACCEPTABLE SEALANT ALTERNATE.
2. ALL LOOP LEAD IN CABLES SHALL BE TAGGED AT CABINET TO IDENTIFY EACH CABLE BY LOOP AND AND PHASE NUMBER.
3. GROUND LOOP LEAD IN CABLE SHIELDING IN CONTROL CABINET.
4. SEPARATE 1" RIGID ELECTRICAL CONDUITS ARE REQUIRED FOR EACH PAIR OF DETECTOR WIRES.

AS-BUILT INFORMATION

	DATE
CONTRACTOR	
STAKED BY	
INSPECTOR'S ACCEPTANCE BY	
FIELD TEST BY	
VERIFICATION BY	
REVISIONS CORRECTED BY	

MICRO-FILM INFORMATION

	DATE
RECORDED BY	
NO.	

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

DEBRA S. VAUGHAN-CLEFF, NEW MEXICO, 11992, REGISTERED PROFESSIONAL ENGINEER — 4/15/96

REVISIONS

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY BHI/COA	DATE 2-94
DRAWN BY BHI/COA	DATE 2-94
CHECKED BY BHI/COA	DATE 2-94

CITY OF ALBUQUERQUE
PUBLIC WORKS
ENGINEERING

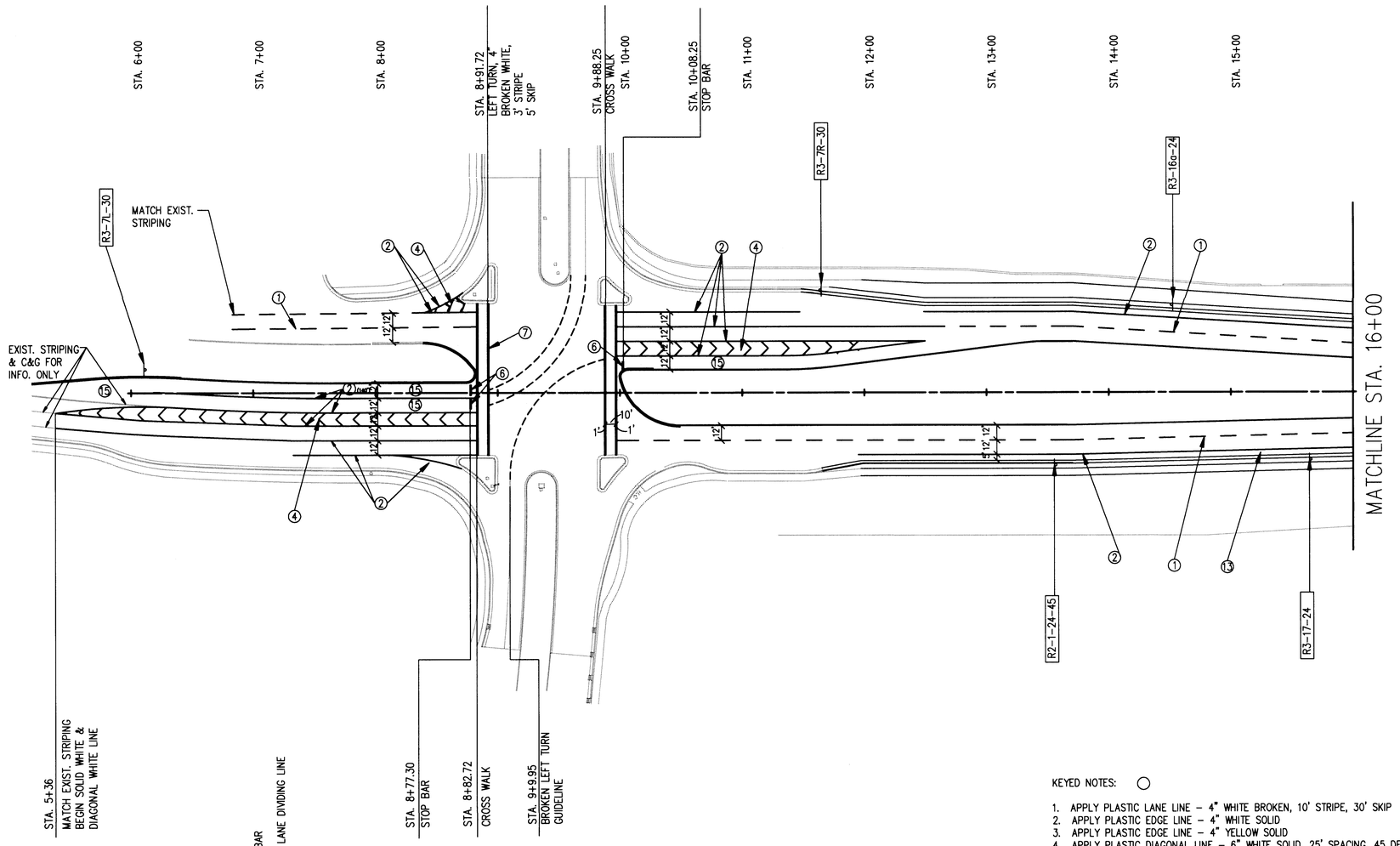
TITLE: TRAFFIC SIGNAL LOOP DETECTOR DETAILS

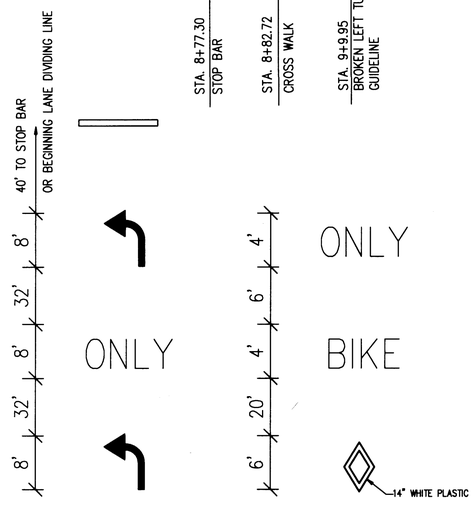
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION		4/19/96	WASTE WATER		
HYDROLOGY			TRAF. OPER.		

DRAWING NO. 4405-90 | MAP NO. D-20 | SHEET 25 OF 46

TRAN4:CITTOVHD.CITY3COALOOPDET.GRF

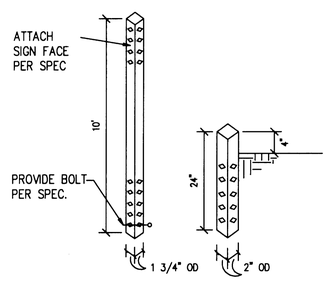
SCANNED BY BY LASON





DETAIL 1
N.T.S.

DETAIL 2
N.T.S.



DETAIL 3
N.T.S.

KEYED NOTES:

1. APPLY PLASTIC LANE LINE – 4" WHITE BROKEN, 10' STRIPE, 30' SKIP
2. APPLY PLASTIC EDGE LINE – 4" WHITE SOLID
3. APPLY PLASTIC EDGE LINE – 4" YELLOW SOLID
4. APPLY PLASTIC DIAGONAL LINE – 6" WHITE SOLID, 25' SPACING, 45 DEGREES
5. APPLY PLASTIC DOUBLE CENTERLINE – 2–4" YELLOW SOLID
6. APPLY 12" PLASTIC STOP BAR
7. APPLY 12" PLASTIC CROSSWALK
8. APPLY LEFT TURN ARROW
9. APPLY THRU ARROW
10. APPLY RIGHT TURN ARROW
11. APPLY PLASTIC LINE – 8" SOLID WHITE
12. APPLY WORDS (BIKE LANE ENDS)
13. APPLY BIKE LANE ONLY PATTERN – SEE DTL. 2, THIS SHT.
14. APPLY WORD (ONLY)
15. APPLY TURN ONLY PATTERN – SEE DTL. 1, THIS SHT.

1" = 50' 0 50 100 150

NOTES:

1. PERMENANT MARKINGS AND SIGNING SHALL BE IN ACCORDANCE WITH CITY OF ALB. STANDARDS OR MUTCD.
2. ALL MARKINGS TO BE PLASTIC PER CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL.
3. PERMANENT MARKINGS SHALL BE FIELD VERIFIED WITH TRAFFIC ENGINEERING (857–8000) PRIOR TO INSTALLATION.
4. SEE DETAIL 3, SHT. 26 FOR SIGN MOUNTING DETAIL

SIGN LISTING

CODE	SIZE	DESCRIPTION
R3-5R-30	30"X36"	ONLY Left Turn Arrow (symbol)
R3-5L-30	30"X36"	ONLY Right Turn Arrow (symbol)
R2-1-24-45	24"X30"	SPEED LIMIT 45 (standard)
R3-16a-24	24"X30"	Bike (symbol) LANE, ENDS
R3-17-24	24"X30"	RIGHT LANE, (preferential symbol), Bike (symbol), ONLY
R3-7R-30	30"X30"	RIGHT LANE MUST TURN RIGHT
R3-7L-30	30"X30"	LEFT LANE MUST TURN LEFT

RECORD DRAWING

The improvements shown on this drawing have been as-built in accordance with field information provided by DVC Engineering, CCM Construction (Contractor), and BSN Surveying (Surveyor) to reflect construction actually accomplished to the best of my knowledge and belief.

Debra Vaughan-Cleff, P.E. #11992 — Date 1/20/97

DVC Debra Vaughan–Cleff, P.E.
DVC Consulting Engineer
DVC 6212 Torreon NE
DVC Albuquerque, New Mexico 87109
DVC (505) 249–6196
DVC Fax: (505) 828–1215

File: ED-PP1

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

BENCH MARKS
ACS STATION 8–21
ELEVATION 5702.26
APPROX. 375' WEST OF EUBANK ON ACADEMY – NORTH CURB LINE

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	REX VOLGER	

ENGINEER'S SEAL

No.	Date	REMARKS	BY
		REVISIONS	
		DESIGN	

Designed By: Debra Vaughan–Cleff, PE
Drawn By
Checked By

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

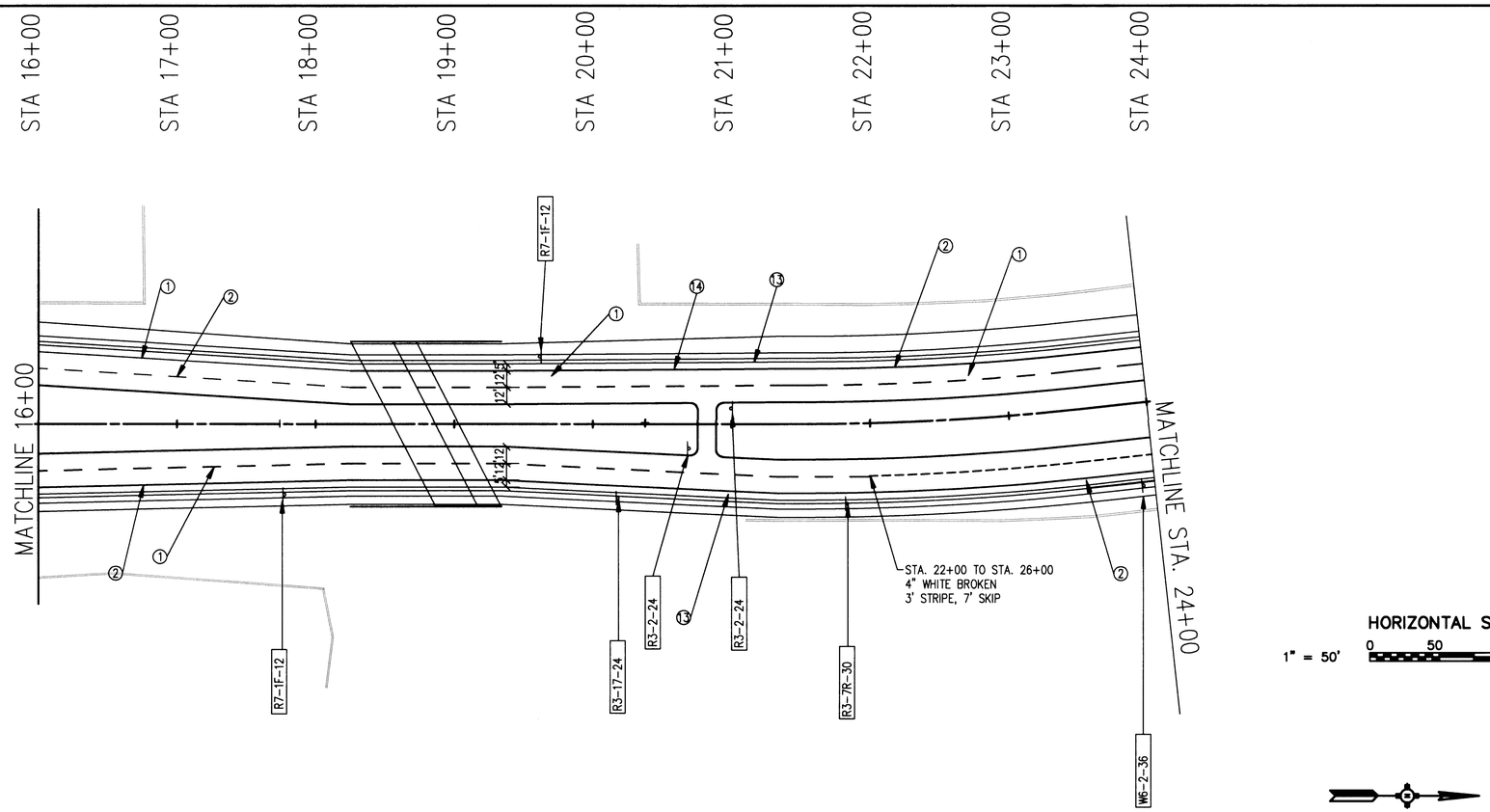
TITLE: PERMENANT MARKINGS & SIGNING PLAN
EUBANK STA. 6+00 TO 16+00

B.J.H. 4-12-96

Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4405–90	D–20	26	46

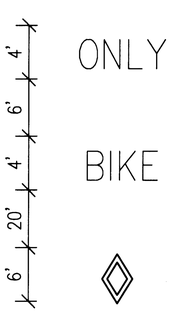
SCANNED BY BY LASON



1" = 50'

HORIZONTAL SCALE

0 50 100 150



DETAIL 2
N.T.S.

KEYED NOTES:

1. APPLY PLASTIC LANE LINE – 4" WHITE BROKEN, 10' STRIPE, 30' SKIP
2. APPLY PLASTIC EDGE LINE – 4" WHITE SOLID
3. APPLY PLASTIC EDGE LINE – 4" YELLOW SOLID
4. APPLY PLASTIC DIAGONAL LINE – 6" WHITE SOLID, 25' SPACING, 45 DEGREES
5. APPLY PLASTIC DOUBLE CENTERLINE – 2-4" YELLOW SOLID
6. APPLY 12" PLASTIC STOP BAR
7. APPLY 12" PLASTIC CROSSWALK
8. APPLY LEFT TURN ARROW
9. APPLY THRU ARROW
10. APPLY RIGHT TURN ARROW
11. APPLY PLASTIC LINE – 8" SOLID WHITE
12. APPLY WORDS (BIKE LANE ENDS)
13. APPLY BIKE LANE ONLY PATTERN – SEE DTL. 2, THIS SHT.
14. APPLY WORD (ONLY)
15. APPLY TURN ONLY PATTERN – SEE DTL. 1, THIS SHT.

NOTES:

1. PERMENANT MARKINGS AND SIGNING SHALL BE IN ACCORDANCE WITH CITY OF ALB. STANDARDS OR MUTCD.
2. ALL MARKINGS TO BE PLASTIC PER CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL.
3. SEE DETAIL 3, SHT. 26 FOR SIGN MOUNTING DETAIL
4. PERMANENT MARKINGS SHALL BE FIELD VERIFIED WITH TRAFFIC ENGINEERING (857-8000) PRIOR TO INSTALLATION.

SIGN LISTING

CODE	SIZE	DESCRIPTION
R3-5R-30	30"X36"	ONLY Left Turn Arrow (symbol)
R3-5L-30	30"X36"	ONLY Right Turn Arrow (symbol)
R2-1-24-45	24"X30"	SPEED LIMIT 45 (standard)
R3-16a-24	24"X30"	Bike (symbol) LANE, ENDS
R3-17-24	24"X30"	RIGHT LANE, (preferential symbol), Bike (symbol), ONLY
R7-1F-12	12"X18"	NO PARKING ANYTIME
R3-2-24	24"X24"	No Left Turn (symbol)
W6-2-36	36"X26"	Divided Highway ends (symbol)
R3-7R-30	30"X30"	RIGHT LANE MUST TURN RIGHT

RECORD DRAWING

The improvements shown on this drawing have been as-built in accordance with field information provided by DVC Engineering, CCM Construction (Contractor), and BSN Surveying (Surveyor) to reflect construction actually accomplished to the best of my knowledge and belief.

Debra Vaughan-Cleff, P.E. 7/31/97 Date

REGISTERED PROFESSIONAL ENGINEER

DVC Debra Vaughan-Cleff, P.E.
DVC Consulting Engineer
DVC 6212 Torreon NE
DVC Albuquerque, New Mexico 87109
DVC (505) 249-6196
DVC Fax: (505) 828-1215

File: ED-PP2

AS BUILT INFORMATION

CONTRACTOR	
STAKED BY	DATE
INSPECTED BY	DATE
VERIFICATION BY	DATE
DRAWINGS BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS

ACS STATION 8-21
ELEVATION 5702.26
APPROX. 375' WEST OF EUBANK
ON ACADEMY – NORTH CURB LINE

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	REX VOLGER	

ENGINEER'S SEAL

No.	Date	REMARKS	BY

REVISIONS

DESIGN

Designed By Debra Vaughan-Cleff, PE
Drawn By
Checked By

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

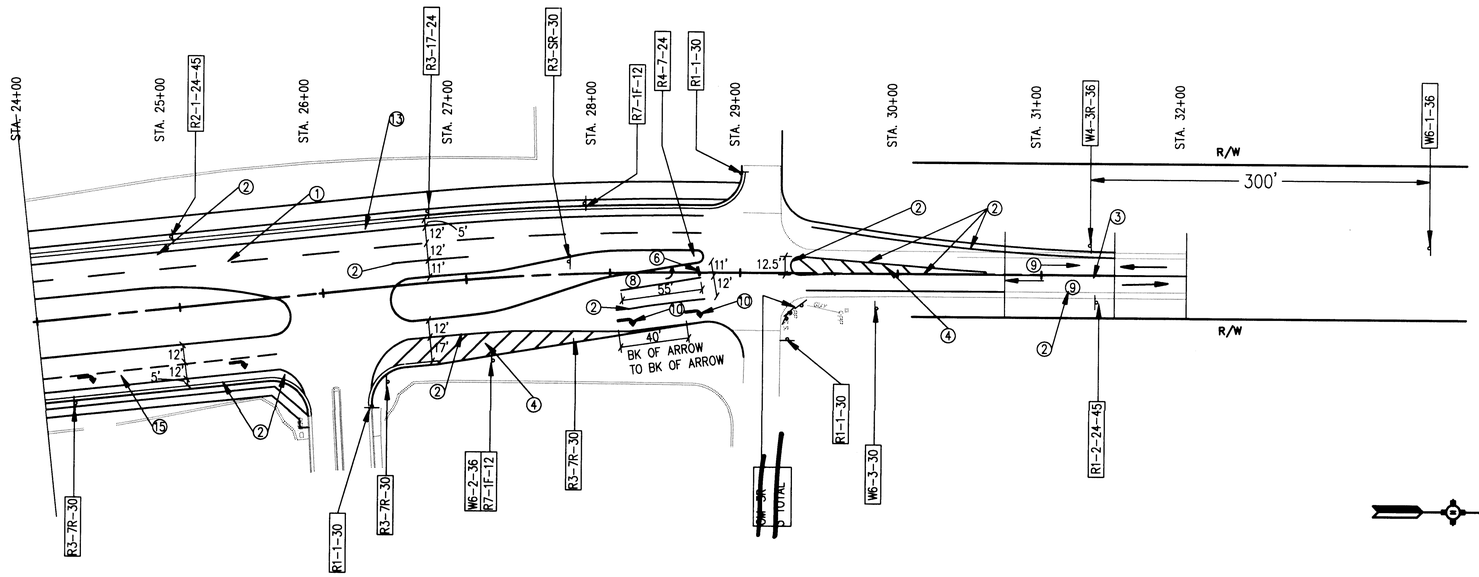
TITLE: PERMENANT MARKINGS & SIGNING PLAN
EUBANK STA. 16+00 TO 24+00

Last Design Update

Mo./Day/Yr.	Mo./Day/Yr.

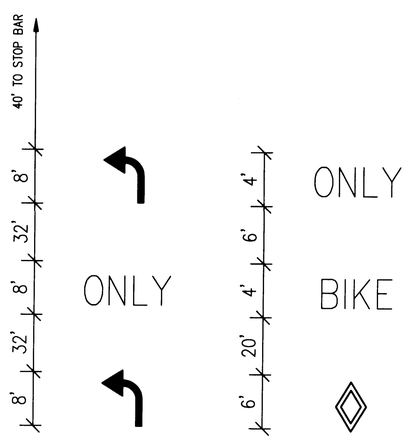
City Project No.	Zone Map No.	Sheet	Of
4405-90	D-20	27	46

SCANNED BY LASON



HORIZONTAL SCALE

1" = 50' 0 50 100 150



DETAIL 1
N.T.S.

DETAIL 2
N.T.S.

KEYED NOTES:

1. APPLY PLASTIC LANE LINE – 4" WHITE BROKEN, 10' STRIPE, 30' SKIP
2. APPLY PLASTIC EDGE LINE – 4" WHITE SOLID
3. APPLY PLASTIC EDGE LINE – 4" YELLOW SOLID
4. APPLY PLASTIC DIAGONAL LINE – 6" WHITE SOLID, 25' SPACING, 45 DEGREES
5. APPLY PLASTIC DOUBLE CENTERLINE – 2–4" YELLOW SOLID
6. APPLY 12" PLASTIC STOP BAR
7. APPLY 12" PLASTIC CROSSWALK
8. APPLY LEFT TURN ARROW
9. APPLY THRU ARROW
10. APPLY RIGHT TURN ARROW
11. APPLY PLASTIC LINE – 8" SOLID WHITE
12. APPLY WORDS (BIKE LANE ENDS)
13. APPLY BIKE LANE ONLY PATTERN – SEE DTL. 2, THIS SHT.
14. APPLY WORD (ONLY)
15. APPLY TURN ONLY PATTERN – SEE DTL. 1, THIS SHT.

NOTES:

1. PERMENANT MARKINGS AND SIGNING SHALL BE IN ACCORDANCE WITH CITY OF ALB. STANDARDS OR MUTCD.
2. ALL MARKINGS TO BE PLASTIC PER CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL.
3. SEE DETAIL 3, SHT. 26 FOR SIGN MOUNTING DETAIL
4. PERMANENT MARKINGS SHALL BE FIELD VERIFIED WITH TRAFFIC ENGINEERING (857–8000) PRIOR TO INSTALLATION.

SIGN LISTING

CODE	SIZE	DESCRIPTION
R3-5R-30	30"X36"	ONLY Left Turn Arrow (symbol)
R3-5L-30	30"X36"	ONLY Right Turn Arrow (symbol)
R2-1-24-45	24"X30"	SPEED LIMIT 45 (standard)
R3-16a-24	24"X30"	Bike (symbol) LANE, ENDS
R3-17-24	24"X30"	RIGHT LANE, (preferential symbol), Bike (symbol), ONLY
R7-1F-12	12"X18"	NO PARKING ANYTIME
R3-2-24	24"X24"	No Left Turn (symbol)
W6-2-36	36"X26"	Divided Highway ends (symbol)
R3-7R-30	36"X36'	RIGHT LANE MUST TURN RIGHT
W6-1-36	36"X36'	Divided Highway (symbol)
W6-3-30	30"X30"	Two-way Traffic (symbol)
W4-3R-36	36"X36"	Added Lane Right (symbol)
OM-3R	12"X36"	Object Marker, Type 3 Diagonal Stripes, Right

RECORD DRAWING

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Debra Vaughan-Cleff, P.E. 11992 7/31/97 Date

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

BENCH MARKS
ACS STATION 8–21
ELEVATION 5702.26
APPROX. 375' WEST OF EUBANK ON ACADEMY – NORTH CURB LINE

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	REX VOLGER	

ENGINEER'S SEAL

No.	Date	REMARKS	BY
		REVISIONS	

DESIGN
Designed By — Debra Vaughan–Cleff, PE
Drawn By
Checked By

File:

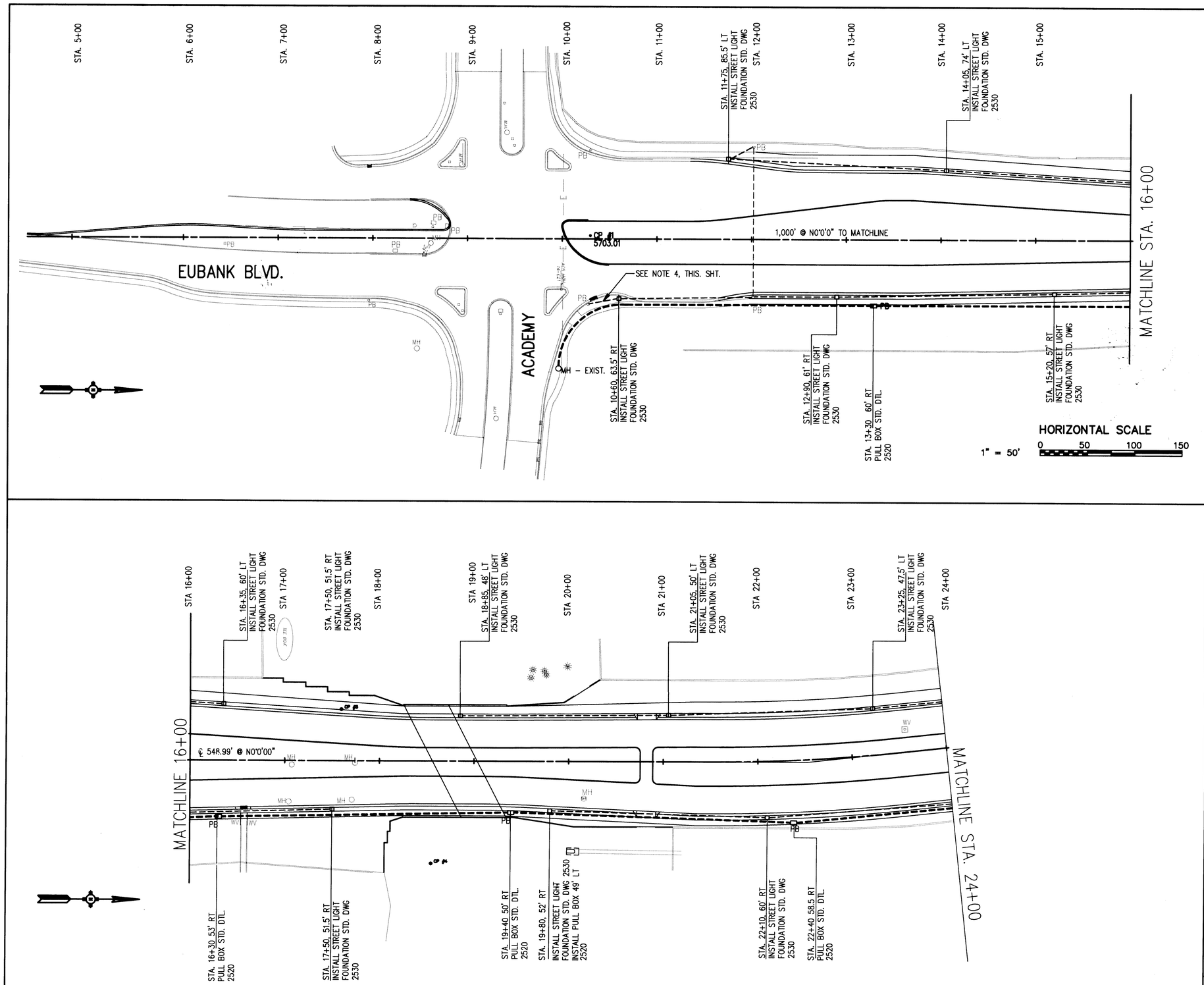
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: PERMENANT MARKINGS & SIGNING PLAN
EUBANK STA. 24+00 TO 32+00

Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4405–90	D–20	28	46

SCANNED BY BCLASON



NOTES:

1. ALL CONDUIT SHALL BE SCHEDULE 40 PVC
2. SEE GENERAL NOTES 12 AND 15 FOR COORDINATION WITH REMOVAL OF EXIST. STREET LIGHTS.
3. CONTRACTOR TO REMOVE EXIST. LIGHT BASE CONDUIT, PULL BOXES, ETC. LIGHT POLE AND APPURTANCES TO BE REMOVED BY OTHERS
4. CONTRACTOR TO CONNECT NEW STREET LIGHTING CONDUIT TO EXIST. STREET LIGHTING PULL BOX

RECORD DRAWING

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Debra Vaughan-Cleff, P.E. 11992 — Date 7/21/97

LEGEND

- NEW SIDEWALK
- NEW TRAIL
- NEW CURB AND GUTTER
- NEW 2" RIGID CONDUIT
- NEW 3" RIGID CONDUIT
- PB NEW PULL BOX
- NEW LIGHT POLE BASE
- EXIST. 3" RIGID CONDUIT
- TEL EXIST. TELEPHONE PEDESTAL
- EXIST. DROP INLET
- MH EXIST. MANHOLE
- EXIST. SLUMP BLOCK WALL
- EXIST. TREE
- WVB EXIST. WATER VALVE
- EXIST. TRAFFIC SIGN
- EXIST. LIGHT

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DVC Fax: (505) 828-1215

File: ED-PP1

AS BUILT INFORMATION: CONTRACTOR / STAMED BY / INSPECTED BY / VERIFICATION BY / DRAWINGS BY / MICRO-FILM INFORMATION / RECORDED BY / NO. — DATE

BENCH MARKS: ACS STATION 8-21; ELEVATION 5702.26; APPROX. 375' WEST OF EUBANK ON ACADEMY - NORTH CURB LINE

SURVEY INFORMATION — FIELD NOTES: NO. / BY / DATE; REX VOLGER

ENGINEER'S SEAL

No.	Date	REMARKS	BY
		REVISIONS	

DESIGN: Designed By — Debra Vaughan-Cleff, PE; Drawn By — RDW; Checked By — DVC/RGV

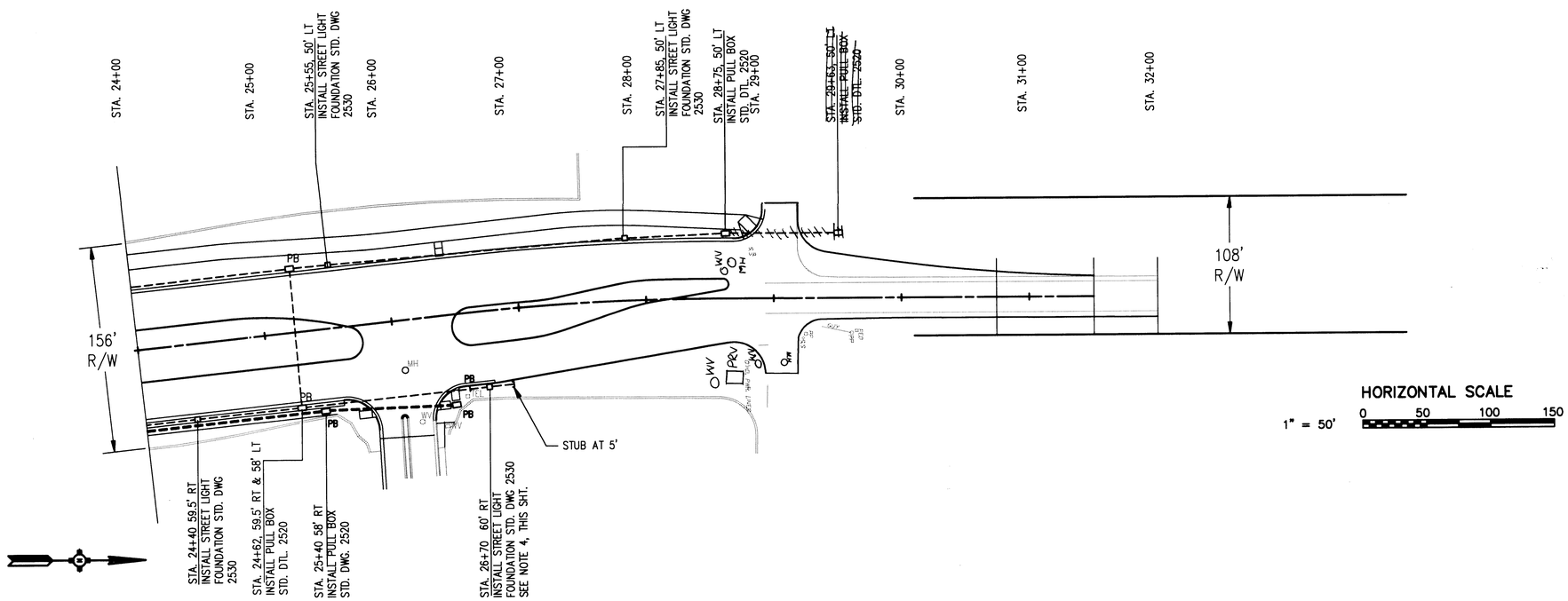
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: LIGHTING & INTERCONNECT PLAN
EUBANK STA. 6+00 TO 24+00

Last Design Update: B.Y.A. 4-12-96

City Project No.	Zone Map No.	Sheet	Of
4405-90	D-20	29	46

SCANNED BY ASCN



NOTES:

1. ALL CONDUIT SHALL BE SCHEDULE 40 PVC
2. SEE GENERAL NOTES 12 AND 15 FOR COORDINATION WITH REMOVAL OF EXIST. STREET LIGHTS.
3. CONTRACTOR TO REMOVE EXIST. LIGHT BASE CONDUIT, PULL BOXES, ETC. LIGHT POLE AND APPURTANCES TO BE REMOVED BY OTHERS
4. CONTRACTOR TO CONNECT NEW STREET LIGHTING CONDUIT TO EXIST. STREET LIGHTING PULL BOX

RECORD DRAWING

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Debra Vaughan-Cleff, P.E. 11992 — Date 7/31/97

LEGEND

- NEW SIDEWALK
- NEW TRAIL
- NEW CURB AND GUTTER
- NEW PULL BOX
- NEW LIGHT BASE
- NEW 2" RIGID CONDUIT
- NEW 3" RIGID CONDUIT
- EXIST. TELEPHONE PEDESTAL
- EXIST. GUARD RAIL
- EXIST. DROP INLET
- EXIST. BOULDERS
- EXIST. MANHOLE
- EXIST. SLUMP BLOCK WALL
- EXIST. TREE
- EXIST. WATER VALVE
- EXIST. TRAFFIC SIGN
- EXIST. LIGHT

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AS BUILT INFORMATION	
CONTRACTOR	
STAKED BY	DATE
INSPECTED BY	DATE
VERIFICATION BY	DATE
DRAWINGS BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS

SURVEY INFORMATION		
FIELD NOTES		
NO.	BY	DATE
	REX VOLGER	

ENGINEER'S SEAL

No.	Date	REMARKS	BY
		REVISIONS	

DESIGN
Designed By: Debra Vaughan-Cleff, PE
Drawn By
Checked By

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

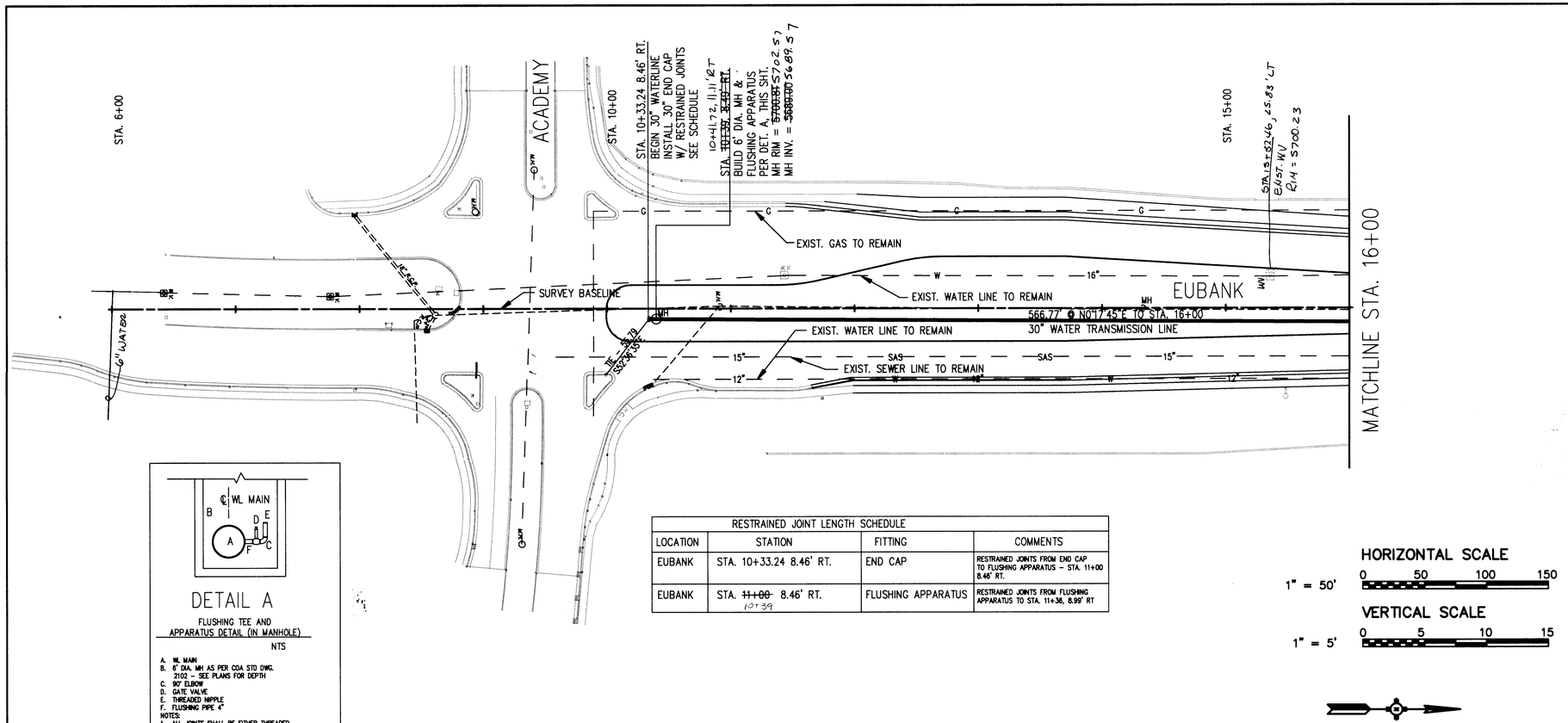
TITLE: LIGHTING & INTERCONNECT PLAN
EUBANK STA. 24+00 TO 32+00

B.Y.B. 4-12-96

Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4405-~~00~~90	D-20	30	46

SCANNED BY BY LASON



DETAIL A

FLUSHING TEE AND APPARATUS DETAIL (IN MANHOLE)

NTS

A. WL MAIN
B. 6' DIA. MH AS PER COA STD DWG. 2102 - SEE PLANS FOR DEPTH
C. 90° ELBOW
D. GATE VALVE
E. THREADED NIPPLE
F. FLUSHING PIPE 4"

NOTES:
1. ALL JOINTS SHALL BE EITHER THREADED OR RESTRAINED MECHANICAL JOINTS.
2. ORIENTATE MANHOLE SUCH THAT STEPS ARE ARE NOT ALIGNED WITH MAIN.
3. WATERLINE MAIN SHALL BE A MINIMUM OF OF 6" ABOVE MH INVERT

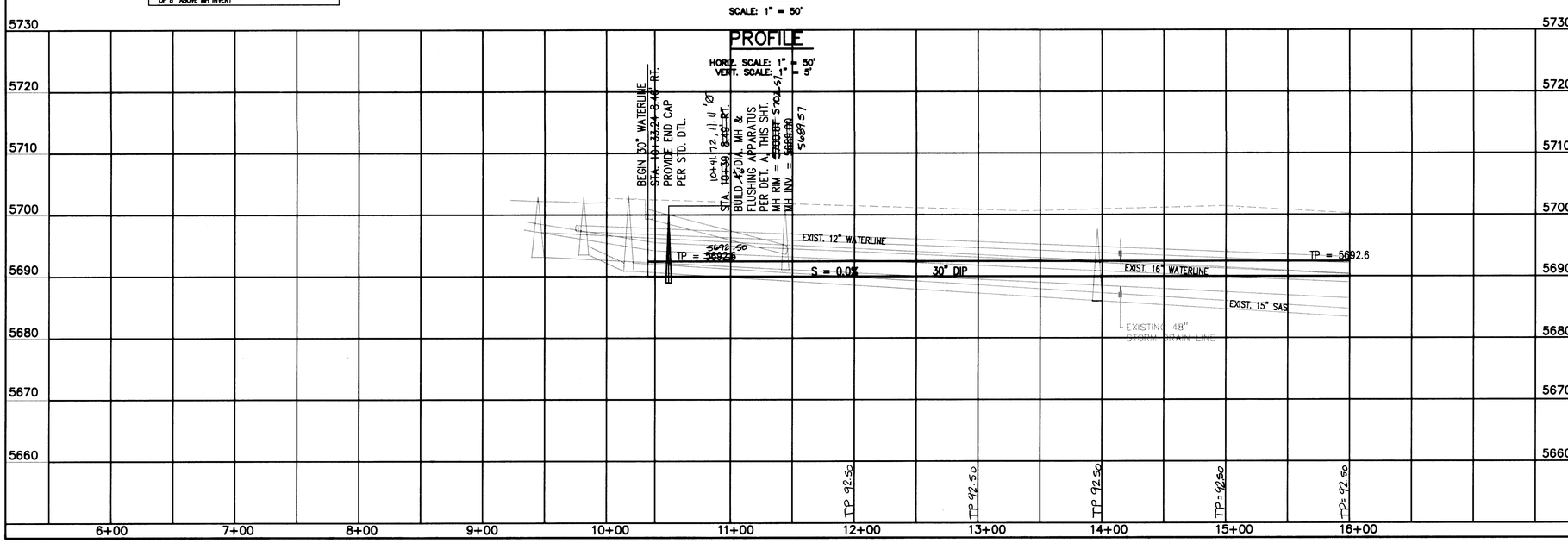
RESTRAINED JOINT LENGTH SCHEDULE			
LOCATION	STATION	FITTING	COMMENTS
EUBANK	STA. 10+33.24 8.46' RT.	END CAP	RESTRAINED JOINTS FROM END CAP TO FLUSHING APPARATUS - STA. 11+00 8.46' RT.
EUBANK	STA. ~~11+00~~ 10+39 8.46' RT.	FLUSHING APPARATUS	RESTRAINED JOINTS FROM FLUSHING APPARATUS TO STA. 11+36, 8.99' RT

HORIZONTAL SCALE 1" = 50' (0 50 100 150)

VERTICAL SCALE 1" = 5' (0 5 10 15)

PLAN

SCALE: 1" = 50'



NOTES:

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2. ANY DAMAGE TO THE EXISTING FACILITIES (NOT SCHEDULED FOR RECONSTRUCTION IN THIS PROJECT DURING CONSTRUCTION) SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
3. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS.
4. DESIGN & TEST PRESSURE = 150 PSI OPERATING PRESSURE = 15 PSI
5. INSTALL LINE IN ACCORDANCE WITH STD. DTL. 2315

RECORD DRAWING

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Debra Vaughan-Cleff, P.E. 11992 — Date 7/21/97

LEGEND

- 48" RCP SD — EXIST. STORM DRAIN (TYPE/SIZE)
- —IR — 8"— EXIST. IRRIGATION LINE
- — G — — EXIST. GAS LINE
- —SAS— 15"— EXIST. SANITARY SEWER/SIZE
- — W — 12"— EXIST. WATER LINE/SIZE
- EXIST. TELEPHONE PEDESTAL
- EXIST. GUARD RAIL
- EXIST. DROP INLET
- EXIST. BOULDERS
- MH — EXIST. MANHOLE
- EXIST. SLUMP BLOCK WALL
- EXIST. TREE
- LPB — EXIST. LIGHTING PULL BOX
- EXIST. WATER VALVE
- EXIST. TRAFFIC SIGN
- EXIST. LIGHT

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File: ED-PP1

AS BUILT INFORMATION: CONTRACTOR / STAKED BY / DATE / INSPECTED BY / DATE / VERIFICATION BY / DATE / DRAWINGS BY / DATE / MICRO-FILM INFORMATION / DATE / RECORDED BY / NO.

BENCH MARKS: ACS STATION 8-21 — ELEVATION 5702.26 — APPROX. 375' WEST OF EUBANK ON ACADEMY - NORTH CURB LINE

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

ENGINEER'S SEAL — 7/10/96

No.	Date	REMARKS	BY
		REVISIONS	
		DESIGN	

Designed By: Debra Vaughan-Cleff, PE
Drawn By: RDW
Checked By: DVC/RGV

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
TRANSPORTATION DEVELOPMENT GROUP

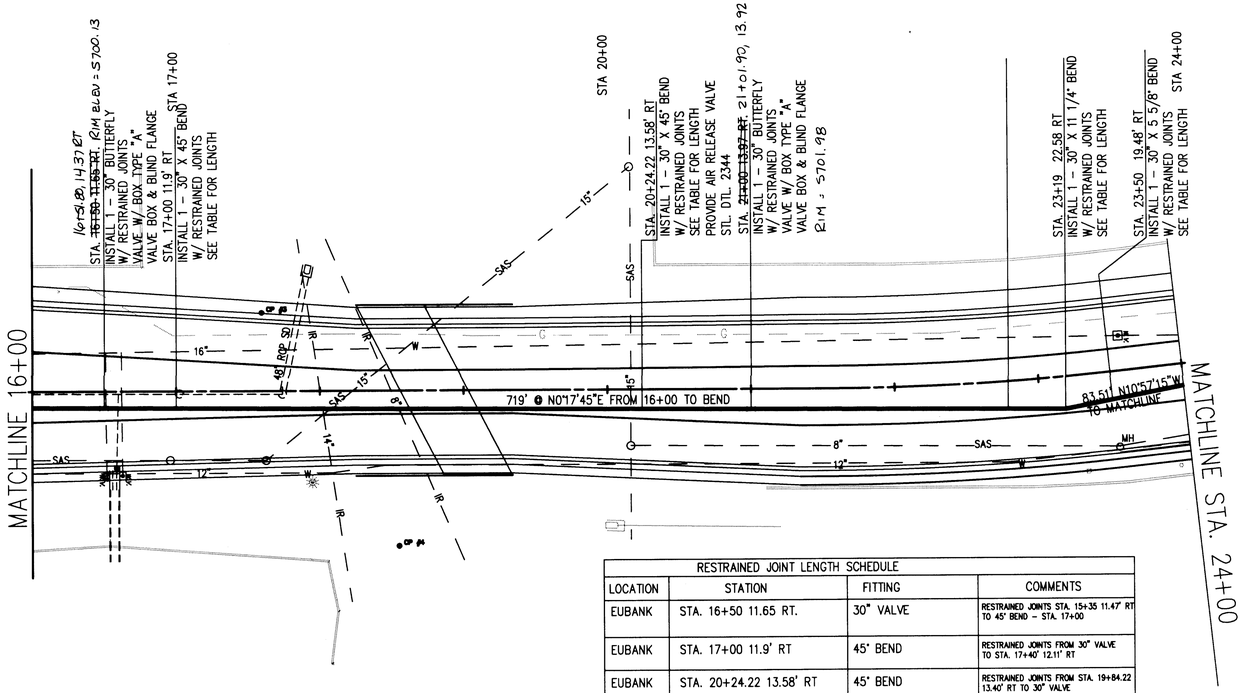
TITLE: 30" WATERLINE PLAN & PROFILE
EUBANK STA. 6+00 TO 16+00

B.G.K. 4-12-96

Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4405-90	D-20	31	46

SCANNED BY BY JASON



RESTRAINED JOINT LENGTH SCHEDULE			
LOCATION	STATION	FITTING	COMMENTS
EUBANK	STA. 16+50 11.65 RT.	30" VALVE	RESTRAINED JOINTS STA. 15+35 11.47' RT TO 45° BEND – STA. 17+00
EUBANK	STA. 17+00 11.9' RT	45° BEND	RESTRAINED JOINTS FROM 30" VALVE TO STA. 17+40' 12.11' RT
EUBANK	STA. 20+24.22 13.58' RT	45° BEND	RESTRAINED JOINTS FROM STA. 19+84.22 13.40' RT TO 30" VALVE
EUBANK	STA. 21+00 13.97 RT.	30" VALVE	RESTRAINED JOINTS FROM 45° BEND TO 21+40 14.18 RT.
EUBANK	STA. 23+19 22.58 RT	11 1/4" BEND	RESTRAINED JOINTS FROM STA. 22+79 19.28' RT TO 5 5/8" BEND
EUBANK	STA. 23+50 19.48' RT	5 5/8" BEND	RESTRAINED JOINTS FROM 11 1/4" BEND TO STA. 23+90 18+63 RT

PLAN

SCALE: 1" = 50'

HORIZONTAL SCALE

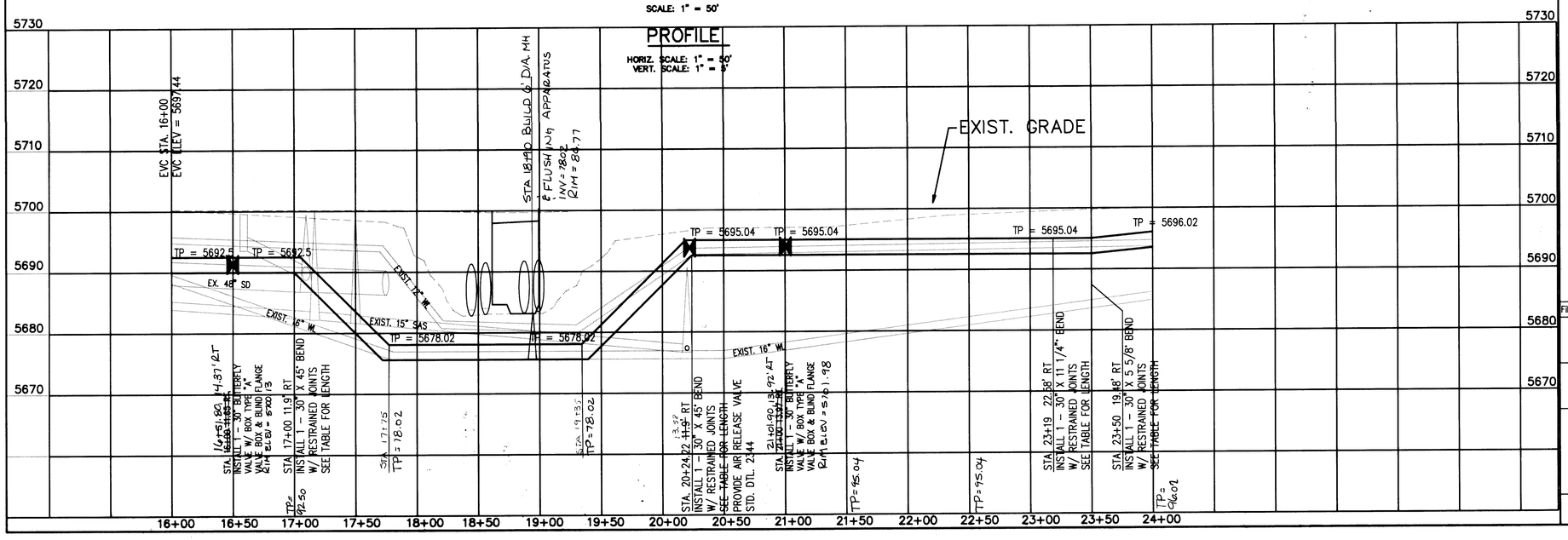
1" = 50' 0 50 100 150

VERTICAL SCALE

1" = 5' 0 5 10 15

PROFILE

HORIZ. SCALE: 1" = 50'
VERT. SCALE: 1" = 5'



NOTES:

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
2. ANY DAMAGE TO THE EXISTING FACILITIES (NOT SCHEDULED FOR RECONSTRUCTION IN THIS PROJECT DURING CONSTRUCTION) SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
3. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS.
4. DESIGN & TEST PRESSURE = 150 PSI
   OPERATING PRESSURE = 15 PSI
5. INSTALL PIPE IN ACCORDANCE W/ STD. DTL. 2315

RECORD DRAWING

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Debra Vaughan-Cleff, P.E. 11982 — Date 7/31/97

LEGEND

- NEW SIDEWALK
- NEW TRAIL
- NEW CURB AND GUTTER
- EXIST. STORM DRAIN (TYPE/SIZE)
- 48" RCP SD — IR — 8" — EXIST. IRRIGATION LINE
- — G — EXIST. GAS LINE
- — SAS — 15" — EXIST. SANITARY SEWER/SIZE
- — W — 12" — EXIST. WATER LINE/SIZE
- EXIST. TELEPHONE PEDESTAL
- EXIST. GUARD RAIL
- EXIST. DROP INLET
- EXIST. BOULDERS
- MH — EXIST. MANHOLE
- EXIST. SLUMP BLOCK WALL
- EXIST. TREE
- LPB — EXIST. LIGHTING PULL BOX
- EXIST. WATER VALVE
- EXIST. TRAFFIC SIGN
- EXIST. LIGHT
- CONTROL POINT

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File: ED-PP2

AS BUILT INFORMATION

CONTRACTOR		DATE
STAKED BY		DATE
INSPECTED BY		DATE
VERIFICATION BY		DATE
DRAWINGS BY		DATE
MICRO-FILM INFORMATION		
RECORDED BY		DATE
NO.		

BENCH MARKS

ACS STATION 8-21
ELEVATION 5702.26
APPROX. 375' WEST OF EUBANK
ON ACADEMY – NORTH CURB LINE

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

No.	Date	REMARKS	BY
		REVISIONS	
		DESIGN	

Designed By: Debra Vaughan-Cleff, PE
Drawn By: RDW
Checked By: DVC/RGV

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
TRANSPORTATION DEVELOPMENT GROUP

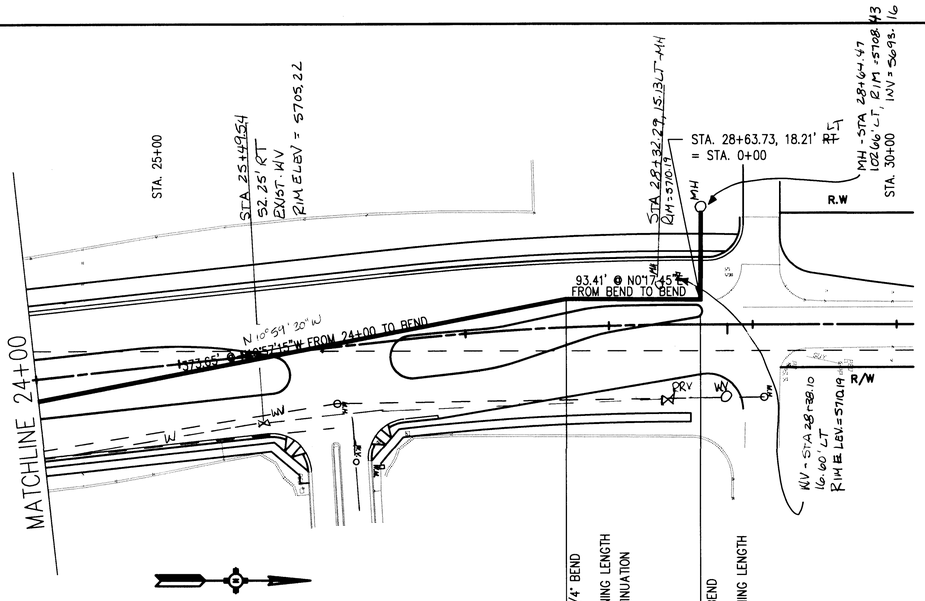
TITLE: 30" WATERLINE PLAN & PROFILE
EUBANK STA. 16+00 TO 24+00

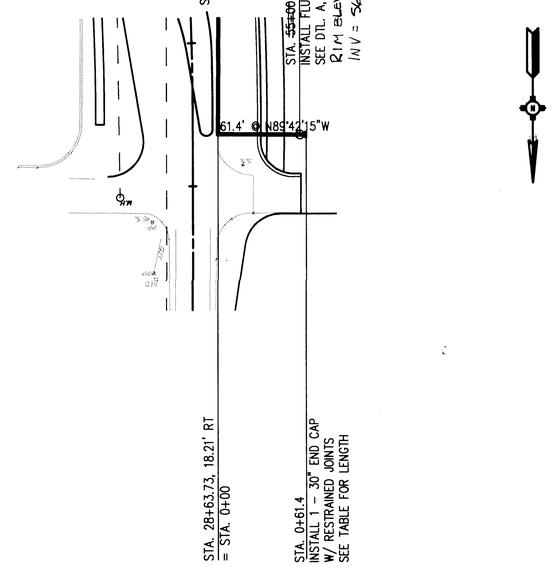
B.J.A. 4-12-96

Last Design Update: Mo./Day/Yr. — Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4405-90	D-20	32	46

SCANNED BY DVC





RESTRAINED JOINT LENGTH SCHEDULE			
LOCATION	STATION	FITTING	COMMENTS
EUBANK	STA. 27+77.17, 19.74' LT.	11 1/4° BEND	RESTRAINED JOINTS FROM 27+26.16, 13.54 LT. TO 90° BEND
EUBANK	STA. 28+63.68 5.49' LT	90° BEND	RESTRAINED JOINTS FROM 90° BEND TO END CAP STA. 0+61.4.

STA. 27+77.17 19.74' LT
INSTALL 1 - 30" X 11 1/4° BEND
W/ RESTRAINED JOINTS
SEE TABLE FOR RESTRAINING LENGTH
SEE THIS SHT. FOR CONTINUATION

STA. 28+63.68 5.49' LT
INSTALL 1 - 30" X 90° BEND
W/ RESTRAINED JOINTS
SEE TABLE FOR RESTRAINING LENGTH
CONTINUED THIS SHT.

1" = 50'

PLAN

SCALE: 1" = 50'

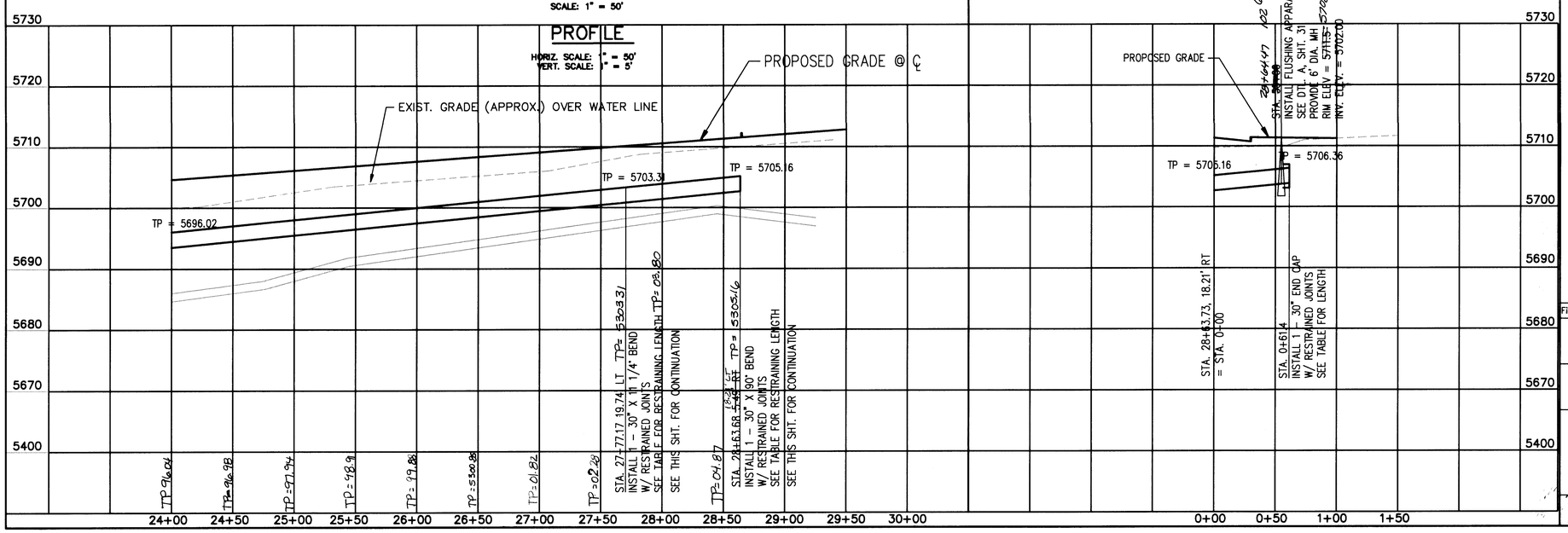
HORIZONTAL SCALE
0 50 100 150

VERTICAL SCALE
0 5 10 15

1" = 5'

PROFILE

HORIZ. SCALE: 1" = 50'
VERT. SCALE: 1" = 5'



NOTES:

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3. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS.
4. DESIGN & TEST PRESSURE = 150 PSI
   OPERATING PRESSURE = 15 PSI
5. INSTALL PIPE IN ACCORDANCE W/ STD. DTL. 2315

RECORD DRAWING

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Debra Vaughan-Cleff, P.E. #11932 — 7/31/97 Date

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DVC Fax: (505) 828-1215

SURVEY INFORMATION		
FIELD NOTES		
NO.	BY	DATE
	REX VOLGER	

BENCH MARKS
ACS STATION 8-21
ELEVATION 5702.26
APPROX. 375' WEST OF EUBANK
ON ACADEMY - NORTH CURB LINE

AS BUILT INFORMATION	
CONTRACTOR	
STAKED BY	DATE
INSPECTED BY	DATE
VERIFICATION BY	DATE
DRAWINGS BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

ENGINEER'S SEAL — 4/16/96

No.	Date	REMARKS	BY

REVISIONS

DESIGN
Designed By: Debra Vaughan-Cleff, PE
Drawn By: RDW
Checked By: DVC/RGV

File:

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
TRANSPORTATION DEVELOPMENT GROUP

TITLE: 30" WATERLINE PLAN & PROFILE
EUBANK STA. 24+00 TO 32+00

B.G.S. 4-12-96

Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4405-90	D-20	33	46

SCANNED BY BY LASON

SEQUENCE OF CONSTRUCTION

PHASE 1A: (SHEET 38)

1. INSTALL TEMPORARY PAVEMENT ON EAST SIDE OF EXISTING EUBANK BOULEVARD NEAR THE REVERSE CURVE TRANSITION AT SAN ANTONIO.
2. TRAFFIC SHALL BE MAINTAINED ON EXISTING EUBANK BOULEVARD WITH ONE LANE IN EACH DIRECTION.
3. GOLF CART TRAFFIC SHALL BE MAINTAINED ON EXISTING PATHS.
4. INSTALL TEMPORARY PAVEMENT FOR GOLF CART TRAFFIC.

PHASE 1B: (SHEET 39)

1. TRAFFIC SHALL BE MAINTAINED ON EXISTING EUBANK BOULEVARD AND TEMPORARY PAVEMENT WITH ONE LANE IN EACH DIRECTION.
2. GOLF CART TRAFFIC SHALL BE DIVERTED TO THE SOUTHERN MOST CULVERT AND SOUTH OF THE BRIDGE CONSTRUCTION ZONE.
3. INSTALL TEMPORARY PAVEMENT FOR GOLF CART TRAFFIC (INSIDE OF THE SOUTHERN LOW FLOW CULVERT SHALL BE CLEANED AND PAVED FOR TEMPORARY GOLF CART ACCESS).
4. INSTALL TEMPORARY WALL BARRIER STA 22+50 TO 30+50 AT BRIDGE CONSTRUCTION ON WEST SIDE OF EXISTING EUBANK BOULEVARD ALONG UTILITY INSTALLATION.
5. INSTALL 30" WATER MAIN FROM STA. 23+19 TO STA. 28+64.
6. INSTALL WEST HALF OF PROPOSED ROADWAY SECTION FROM STA. 13+15 TO STA. 17+70 AND FROM THE BRIDGE TO E.O.P..
7. INSTALL STORM DRAIN IMPROVEMENTS ON WEST HALF OF PROJECT.

PHASE 2: (SHEET 40)

1. ONE LANE OF TRAFFIC SHALL BE MAINTAINED IN EACH DIRECTION ON EXISTING EUBANK BOULEVARD.
2. INSTALL TEMPORARY PAVEMENT FROM STA. 12+30 TO STA. 16+15 FOR CROSSOVER.
3. GOLF CART TRAFFIC SHALL BE DIVERTED TO THE SOUTH LOW FLOW CULVERT AND THE LOW FLOW CHANNEL FLOOR UNDER THE NEW PORTION OF THE BRIDGE.
4. COMPLETE RETAINING WALLS AND APPROACH ON THE SOUTH SIDE OF THE BRIDGE AND WEST OF CENTRLINE.

PHASE 3: (SHEET 41)

1. ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED ON THE COMPLETED WEST HALF OF EUBANK BOULEVARD AND TEMPORARY CROSSOVER.
2. INSTALL THE EAST HALF OF PROPOSED ROADWAY SECTION FROM STA. 14+20 TO STA. 18+80, STA. 19+30 TO STA. 25+85, AND STA. 26+30 TO STA. 28+95.
3. GOLF CART TRAFFIC SHALL REMAIN IN THE SOUTH LOW FLOW CULVERT AND THE LOW FLOW CHANNEL FLOOR UNDER THE NEW PORTION OF THE BRIDGE.
4. CONSTRUCT BOTH SOUTH AND NORTH BRIDGE ABUTMENTS EAST OF CENTERLINE, AND PROPOSED GOLF CART PATH, AND CHANNEL FLOOR SOUTH OF REMAINING LOW FLOW CULVERT.
5. INSTALL TEMPORARY WALL BARRIER STA 17+00 TO STA 20+50.
6. REMOVE 3 OF THE EXISTING 8 FOOT CULVERT PIPES.
7. INSTALL 30" WATER MAIN FROM STA. 15+12 TO STA. 23+19.
8. INSTALL STORM DRAIN IMPROVEMENTS ON THE WEST HALF OF EUBANK BOULEVARD.
9. ACCESS SHALL BE MAINTAINED FOR STARLIGHT AND SAN ANTONIO.

PHASE 4: (SHEET 42)

1. ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED ON THE COMPLETED WEST HALF OF EUBANK BOULEVARD AND TEMPORARY CROSSOVER.
2. GOLF CART TRAFFIC SHALL USE THE CART PATH ON THE COMPLETED PORTION OF THE DRAINAGE CHANNEL FLOOR. FLAGGERS SHALL BE UTILIZED AT BOTH ENDS OF PATH DURING PLACEMENT OF PRECAST VOIDED SLABS.
3. TEMPORARY WALL BARRIER STA 17+00 TO STA 20+50 TO REMAIN FROM PHASE 3.
4. COMPLETE INSTALLATION OF BRIDGE. INSTALLATION OF PRECAST VOIDED SLABS SHALL TAKE PLACE IN 15 MINUTE INTERVALS TO ALLOW GOLF CART TRAFFIC TO PASS UNDER THE CONSTRUCTION ZONE. PRECAUTIONS SHALL MADE TO SECURE CONSTRUCTION EQUIPMENT AND MATERIALS DURING GOLF CART PASSAGE.
5. INSTALL PAVEMENT AT STARLIGHT INTERSECTION DURING OFF PEAK HOURS. FLAGGERS SHALL CONTROL ACCESS THROUGH STARLIGHT DRIVE.
6. INSTALL PAVEMENT AT SAN ANTONIO INTERSECTION DURING OFF PEAK HOURS. FLAGGERS SHALL CONTROL ACCESS THROUGH SAN ANTONIO.
7. REMOVE REMAINING 8" CULVERT PIPE.

PHASE 5: (SHEET 43)

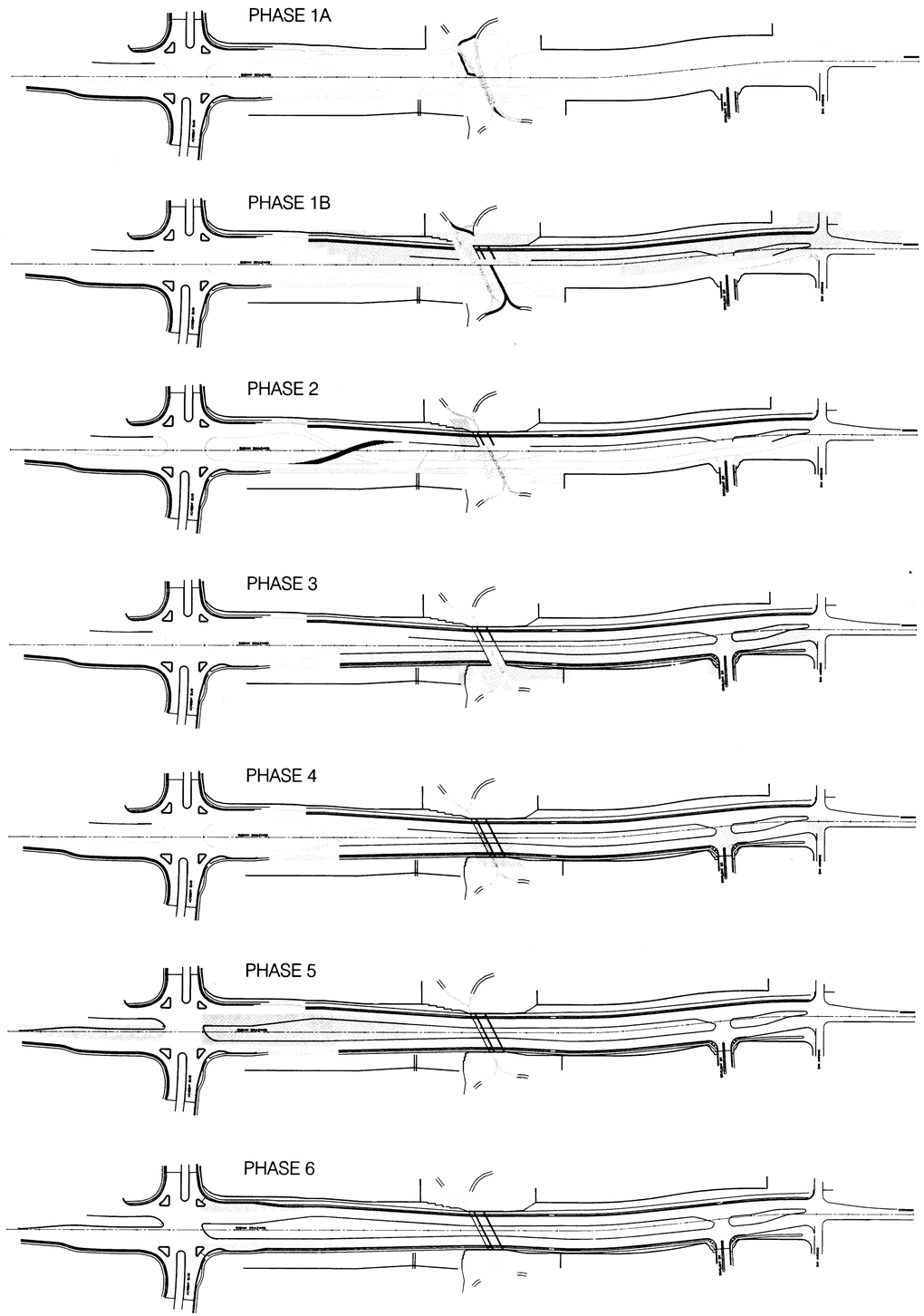
1. ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED ON THE COMPLETED PORTION OF EUBANK BOULEVARD AND THE OUTSIDE LANES OF EXISTING EUBANK BOULEVARD.
2. GOLF CART TRAFFIC SHALL USE THE COMPLETED CART PATH UNDER THE NEWLY CONSTRUCTED BRIDGE.
3. INSTALL 30" WATER MAIN FROM STA. 10+30 TO STA. 15+12.
4. INSTALL PROPOSED INSIDE LANES AND MEDIAN FROM STA. 9+90 TO STA. 16+35.
5. INSTALL LEFT TURN LANE SOUTH OF ACADEMY BOULEVARD.

PHASE 6: (SHEET 44)

1. ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED ON THE INSIDE LANES OF THE COMPLETED PORTIONS OF EUBANK BOULEVARD.
2. GOLF CART TRAFFIC SHALL USE THE COMPLETED CART PATH UNDER THE NEWLY CONSTRUCTED BRIDGE.
3. INSTALL OUTSIDE LANES AND PROPOSED ROADWAY SECTION FROM STA. 9+90 TO STA. 14+20.

PHASE 7: (SEE TYPICAL DETAILS SHEET 37)

1. INSTALL FINAL LIFT OF PAVEMENT FROM B.O.P. TO E.O.P. USING TYPICAL LEFT LANE CLOSURE, TYPICAL RIGHT LANE CLOSURES, AND FLAGGER CONTROL AS NEEDED.



RECORD DRAWING

The improvements shown on this drawing have been as-built in accordance with field information provided by DVC Engineering, CCM Construction (Contractor), and BSN Surveying (Surveyor) to reflect construction actually accomplished to the best of my knowledge and belief.

Debra Vaughan Cleff, P.E. 9192 — Date 7/31/97

NOT TO SCALE

AS-BUILT INFORMATION

	DATE
CONTRACTOR	
WORK STAKED BY	
INSPECTOR'S ACCEPTANCE BY	
FIELD VERIFICATION BY	
DRAWINGS CORRECTED BY	

MICRO-FILM INFORMATION

	DATE
RECORDED BY	
NO.	

BENCH MARKS

ACS STATION 8 - 21
ELEVATION = 5702.26'
APPROX. 375' WEST OF
EUBANK ON ACADEMY
NORTH CURB LINE

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY: ARB	DATE 4-96
		DRAWN BY: ARB	DATE 4-96
		CHECKED BY: AMT	DATE 4-96

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ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE • ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EUBANK BOULEVARD TRAFFIC CONTROL
GENERAL NOTES & SEQUENCE OF CONSTRUCTION

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
B. Y. A. 4-12-96				

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
4405-90	D-20	34	46

TRANS:[T96159A2222.SHEETS.CONSTR]OVERVIEW.DWG 4/11/96

SCANNED BY BY LASON

TRAFFIC CONTROL GENERAL NOTES

1. REFER TO SHEETS 36 AND 37 FOR ADDITIONAL NOTES AND TYPICAL CONSTRUCTION TRAFFIC CONTROL REQUIREMENTS AND STRATEGIES.

2. SEPORATE PERMITS WILL BE REQUIRED FOR EVERY LANE CLOSURE. EACH PERMIT SHALL BE CLEARED BY THE CONSTRUCTION DIVISION OF THE CITY OF ALBUQUERQUE FOR INTERFERENCE WITH OTHER CONSTRUCTION PROJECTS. THE CONTRACTOR SHALL ALLOW ENOUGH TIME BETWEEN THE PERMITS REQUEST AND CONSTRUCTION BEFORE SCHEDULING CREWS AND EQUIPMENT.

3. CONTRACTOR SHALL COORDINATE WITH THE CITY'S CONSTRUCTION COORDINATION DIVISION TO INSURE THAT PROJECT MONITORING PERSONNEL ARE ON-DUTY DURING THE PROPOSED WORK SHCEDULE.

4. CONTRACTOR SHALL IMPLEMENT, MAINTAIN AND MANAGE CONSTRUCTION TRAFFIC CONTROL PEDESTRIAN ACCESS, AND GOLF COURSE TRAFFIC ON THE PROJECT TO PROVIDE SAFE WORKING CONTITIONS FOR ALL PROJECT PERSONNEL AND SAFE VEHICULAR AND PEDESTRIAN ACCESS THROUGH AND AROUND WORK AREAS AT ALL TIMES.

5. THE CONTRACTOR SHALL REMEDY UNSAFE CONSTRUCTION TRAFFIC CONTROL CONDITIONS IMMEDIATELY UPON DISCOVERY OR NOTIFICATION.

6. CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES AND BUSINESSES AT ALL TIMES. THE CONTRACTOR SHALL COORDINATE WITH ADJACENT PROPERTY OWNERS 48-HOURS PRIOR TO BEGINNING CONSTRUCTION.

7. TWO WORKING DAYS PRIOR TO THE FINAL CONSTRUCTION TRAFFIC CONTROL SETUP IN EACH WORK AREA, AND TWO WORKING DAYS PRIPR TO ALL CHANGES IN CONSTRUCTION TRAFFIC CONTROL WHICH INVOLVE STREET OR LANE COLUSRES, THE CONTRACTOR SHALL NOTIFY THE FOLLOWING:
   - CITY AND COUNTY FIRE AND RESCUE DEPARTMENTS
   - CITY AND COUNTY POLICE DEPARTMENTS
   - LOCAL NEWS MEDIA
   - LOCAL SCHOOLS
   - TANOAN COUNTRY CLUB GOLF COURSE (JOE LONG XXX-XXXX)

8. THE CONTRACTOR SHALL PROVIDE TEMPORARY CONCRETE OR WATER FILLED WALL BARRIERS AT ALL LOCATIONS WHERE EXCAVATIONS ARE OPEN WITHIN TWENTY-FIVE FEET (25') OF THE EDGE OF THE TRAVELED WAY. CONTRACTOR SHALL FLARE THE ENDS OF THE TEMPORARY WALL BARRIERS AWAY FROM TRAFFIC.

9. THE CONTRACTOR SHALL REVIEW THE OPERATIONAL PRACTICES AND PROCEDURES ON A DAILY BASIS TO EXPEDITE THE WORK AND CLEAR THE RIGHT-OF-WAY AS SOON AS POSSIBLE.

10. CONTRACTOR SHALL SWEEP ROADWAY SHOULDERS AND DETOURS FREE OF DEBRIS BEFORE ROUTING TRAFFIC ONTO SHOULDERS AND DETOURS.

11. ALL WARNING SIGNS SHALL BE 36" X 36" MINIMUM WITH SUPER ENGINEERING GRADE OR GREATER AND SHALL HAVE AT LEAST ONE WARNING LIGHT.

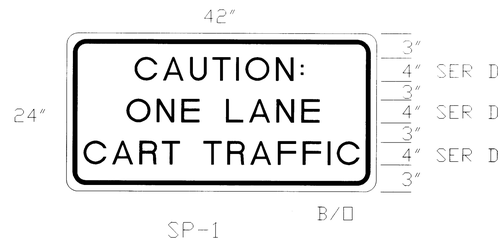
12. ALL COST FOR CONSTRUCTION TRAFFIC CONTROL INCLUDING BUT NOT LIMITED TO COORDINATION, PLANNING, SCHEDULING, WORK DURING OFF HOURS, RESETTING, MAINTAINANCE, TAKEDOWNS, FLAGGERS, STRIPING, STRIPE REMOVAL, SIGNS, BARRICADES, BARRELS, POST, BASES, TRAFFIC CONTROL, FENCING, TEMPORARY WALL BARRIERS, TEMPORARY CONSTRUCTION BARRIERS, CRASH CUSHIONS, PLATING, PATCHING, TEMPORARY PAVEMENT INSTALLATION AND REMOVAL, ETC. SHALL BE INCLUDED IN THE LUMP SUM BID FOR THE CONSTRUCTION TRAFFIC CONTROL. PHASE PLANS ARE MINIMUM TRAFFIC CONTROL. FIELD ADJUSTMENTS WILL BE NECESSARY AS PARTICULAR WORK IS DONE. MODIFICATIONS ARE INCLUDED IN THIS BID ITEM.

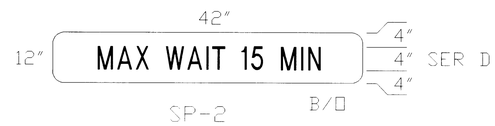
13. CONTRACTOR SHALL COORDINATE WITH CITY TRAFFIC OPERATION (857-8000) TO OPERATE SIGNAL TEMPORARILY AS SPLIT PHASE ON EUBANK DURING TRAFFIC CONTROL PHASES 5 AND 6. CONTRACTOR SHALL CONTACT TRAFFIC OPERATIONS AT LEAST THREE DAYS BEFORE PHASE 5 BEGINS.

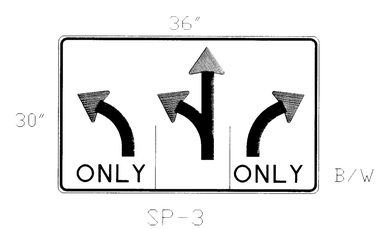
14. ALL NON-APPLICABLE SIGNING SHALL BE REMOVED OR COVERED COMPLETELY WITH AN OPAQUE NON LIGHT-TRANSMITTING MATERIAL. ALL REMAINING NON-APPLICABLE TRAFFIC CONTROL DEVICES ARE TO BE REMOVED AND STORED AT LOCATIONS DESIGNATED BY THE PROJECT MANAGER. EXISTING CONFLICTING STRIPING SHALL BE REMOVED.

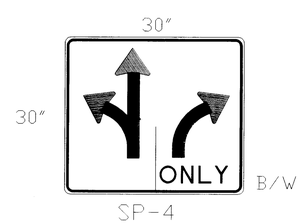
15. THE CONTRACTOR SHALL PREPARE A DETAILED PROJECT SCHEDULE AND CRITICAL PATH FLOW CHART FOR THE PROJECT BEFORE BEGINNING CONSTRUCTION. THIS SCHEDULE SHALL BE SUBMITTED TO THE CITY'S CONSTRUCTION COORDINATOR FOR PREVIEW, COMMENTS, AND APPROVAL. THE SCHEDULE SHALL BE USED FOR ESTABLISHING MAJOR CONSTRUCITON OPERATIONS AND FOR DETERMINING THE PROGRESS OF THE WORK. SHOULD IT BECOME APPARENT TO THE PROJECT MANAGER OR THE CONTRACTOR THAT THE CONTRACTOR WILL NOT BE ABLE TO MEET THE REQUIREMENTS OF THE SCHEDULE, THE CONTRACTOR SHALL SUBMIT A REVISED SCHEDULE REFLECTING THE ACTUAL AUTHORIZED TIME LEFT FOR REVIEW AND APPROVAL. REQUEST FOR TIME EXTENSIONS SUBMITTED BY THE CONTRACTOR WILL BE COMPARED TO THE CRITICAL PATH AND APPROVED OR DENIED ON THIS BASIS. THE CONTRACTOR SHALL UPDATE THE SCHEDULE MONTHLY AND SUBMIT WITH THE MONTHLY PAYMENT REQUEST.

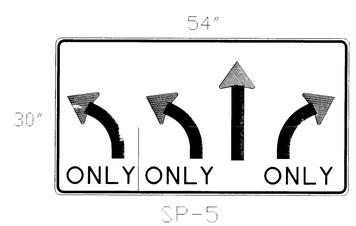
16. THE FINAL LIFT OF PAVEMENT SHALL BE INSTALLED ON THE LAST PHASE OF THE PROJECT USING TYPICAL LEFT LANE CLOSURE, TYPICAL RIGHT LANE CLOSURE, AND FLAGGER CONTROL AS NEEDED.

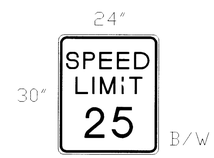


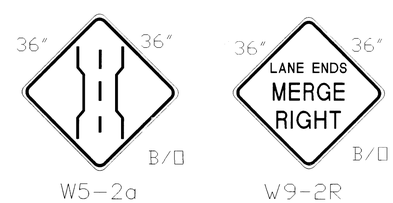


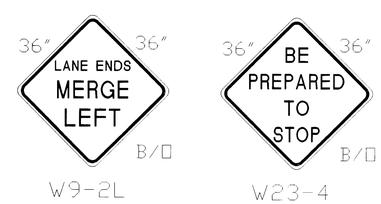




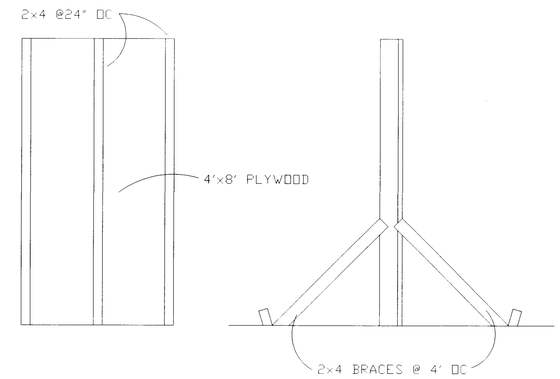








STANDARD SIGNS
NOT SHOWN ON SHEET XXX



CONSTPUCTION BARRIER DETAIL

RECORD DRAWING

The improvements shown on this drawing have been as-built in accordance with field information provided by DVC Engineering, CCM Construction (Contractor), and BSN Surveying (Surveyor) to reflect construction actually accomplished to the best of my knowledge and belief.

Debra Vaughan-Cleff, P.E. 11992 — Date 7/31/97

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

BENCH MARKS
ACS STATION 8 - 21
ELEVATION = 5702.26'
APPROX 375' WEST OF
EUBANK ON ACADEMY
NORTH CURB LINE

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL — 4-15-96

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY: ARB — DATE 4-96
DRAWN BY: ARB — DATE 4-96
CHECKED BY: AMT — DATE 4-96

BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE • ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: GENERAL NOTES & SPECIAL SIGNFACE DETAILS

DESIGN REVIEW COMMITTEE — B.G.B. 4-18-96
CITY ENGINEER APPROVAL
LAST DESIGN UPDATE — MO./DAY/YR. — MO./DAY/YR.

CITY PROJECT NO. 4405-90 | ZONE MAP NO. D-20 | SHEET 35 OF 46

TRANS:[T96159A2222.SHEETS.CONSTR]GNOTE2.DWG 4/11/96

SCANNED BY BY LASON

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

1. CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.

2. CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPERATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.

3. THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.

4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.

5. CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.

6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL SERVICE AND SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.

8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.

9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.

10. ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.

11. CONTRACTOR SHALL NOT BEGIN WORK BEFORE 8:30 A.M. OR END WORK AFTER 4:00 P.M. WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.

13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.

15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.

16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.

17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING
ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.

18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

19. 24 HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.

20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

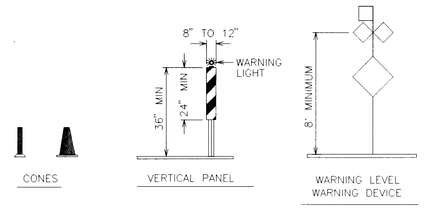
21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.

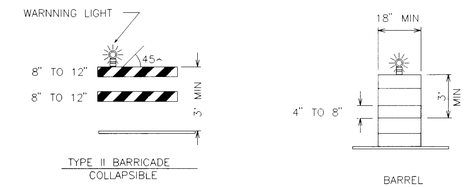
22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
    1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
    2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
    3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.

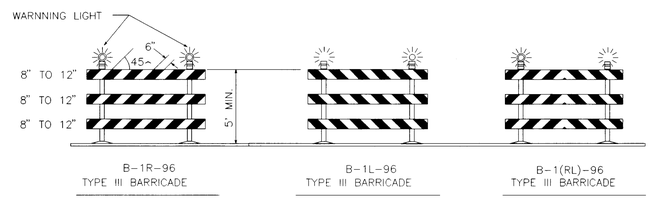
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

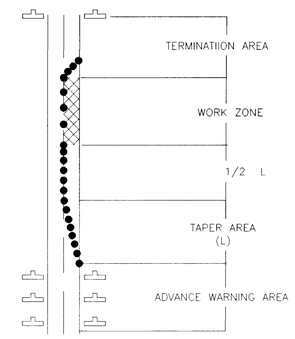
24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION, WASHING OF EQUIPMENT IS INCIDENTAL TO IT'S PLACEMENT AND MAINTENANCE.

25. TRAFFIC CONTROL STANDARDS APPLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.









TRAFFIC CONTROL ELEMENTS

LEGEND

- WORK AREA
- BARRICADE – TYPE I, TYPE II, OR BARREL
- BARRICADE – TYPE III
- VERTICAL PANEL
- WARNING SIGN
- D — 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 STREET LIMIT OF THE STREET
- L — TAPER LENGTH – SEE CHART BELOW

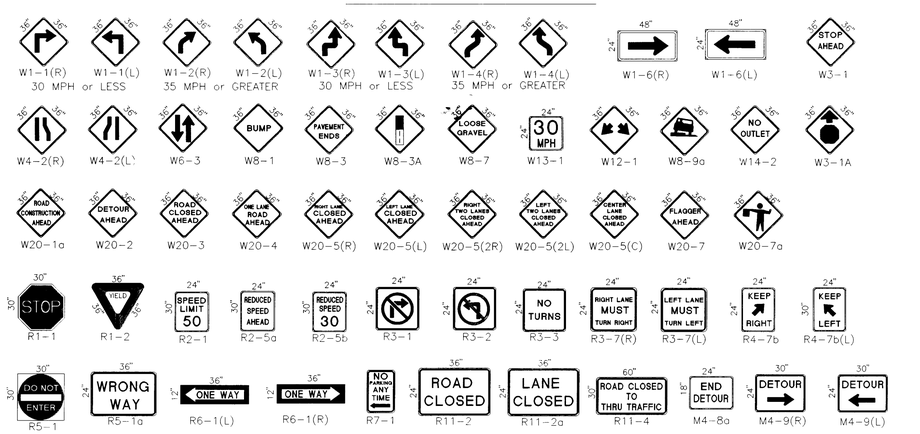
THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.

SPEED LIMIT (MPH)	TAPER LENGTH (FEET)			MINIMUM NUMMBER OF DEVICES FOR TAPER	MAXIMUM DEVICE SPACING IN FEET	
	10' LANE	11' LANE	12' LANE		ALONG TAPER	ALONG TAPER
20	70	75	80	5	20	20
25	105	115	125	6	25	25
30	150	165	180	7	30	30
35	205	225	245	8	35	35
40	270	295	320	9	40	40
45	450	495	540	13	45	45
50	500	550	600	13	50	50
55	550	605	660	13	55	55

RECOMMENDED SIGN SPACING FOR ADVANCE WARNING SIGN SERIES

SPEED MILES PER HOUR	MINIMUM DISTANCE IN FEET BETWEEN SIGNS	FROM LAST SIGN TO TAPER
0-20	10 X SPEED LIMIT	10 X SPEED LIMIT
25-30	10 X SPEED LIMIT	10 X SPEED LIMIT
30-35	10 X SPEED LIMIT	10 X SPEED LIMIT
40-45	10 X SPEED LIMIT	10 X SPEED LIMIT
50-60	10 X SPEED LIMIT	10 X SPEED LIMIT

SIGN FACE DETAILS



ALL CONSTRUCTIONN WARNING SIGNS SHALL HAVE A BLOCK LEGEND ON A ORANGE BACKGROUND

ALL ADVANCE WARNING SIGNS SHALL BE THIRTY-SIX (36) INCHES BY THIRTY-SIX (36) INCHES. SUPER ENGINEERING GRADE OR GREATER.

TAPER CRITERIA

TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

SPEED LIMIT

40 MPH OR LESS — WS^2

40 MPH OR GREATER — WS

L = TAPER LENGTH
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED OR OFF-PEAK 85-PERCENT SPEED IN MPH

RECORD DRAWING

The improvements shown on this drawing have been as-built in accordance with field information provided by DVC Engineering, CCM Construction (Contractor), and BSN Surveying (Surveyor) to reflect construction actually accomplished to the best of my knowledge and belief.

Debra Vaughan-cleff 7/31/97
Debra Vaughan Cleff, P.E. 11992 Date

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

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
DEBRA S. VAUGHAN-CLEFF NEW MEXICO 11992 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY RICARDO ROYBAL P.E. — DATE AUG 1992
DRAWN BY CADD — DATE AUG 1992
CHECKED BY — DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:

SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
B. G. 4-18-96				

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
4405-90	D-20	36	46

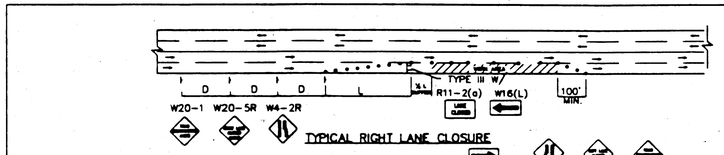
TRANS:[T96159A2222.SHEETS.CONSTR]STD.DWG 4/3/96

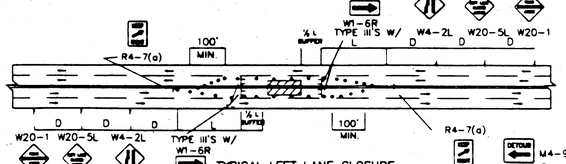
SCANNED BY BY LASON

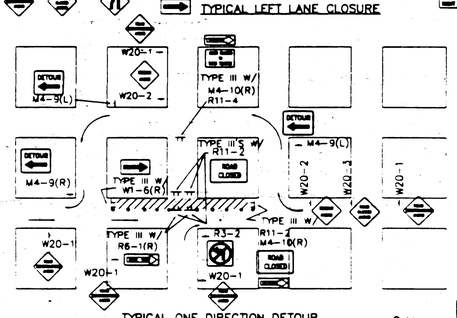
RECORD DRAWING

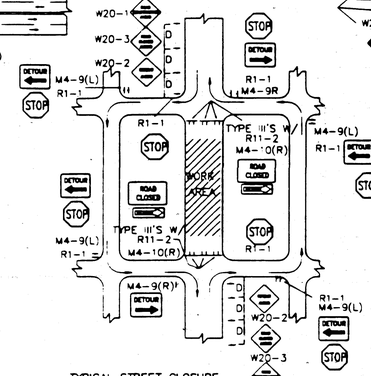
The improvements shown on this drawing have been as-built in accordance with field information provided by DVC Engineering, CCM Construction (Contractor), and BSN Surveying (Surveyor) to reflect construction actually accomplished to the best of my knowledge and belief.

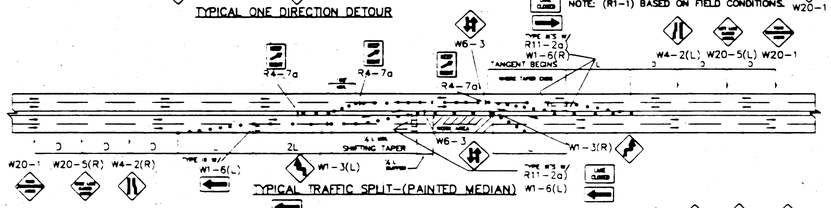
Debra Vaughan-Cleff, P.E. 11992 — Date 7/31/95

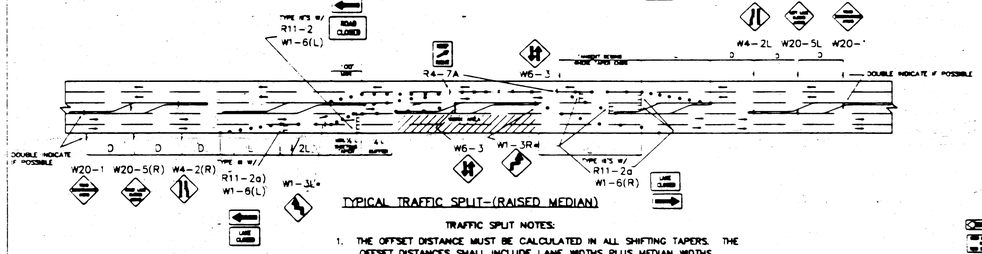






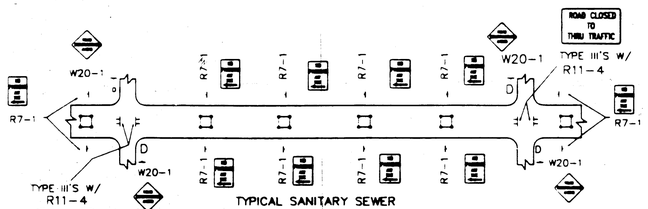




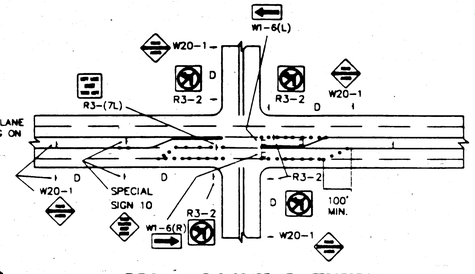


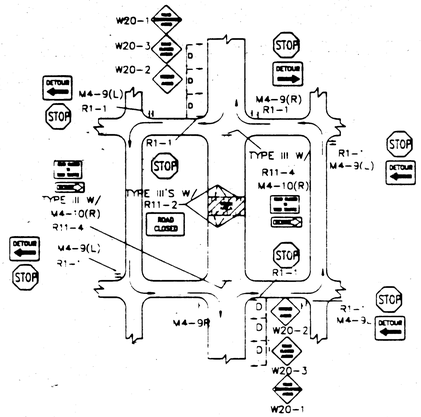
TRAFFIC SPLIT NOTES:

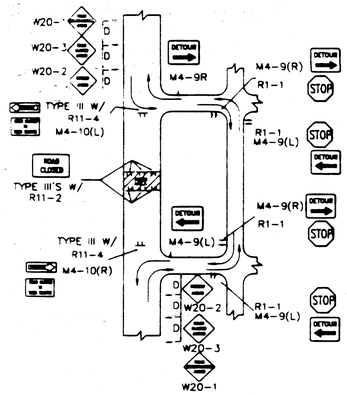
1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE OFFSET DISTANCES SHALL INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS.
2. ½ L IS MINIMUM DISTANCE FOR SHIFTING TAPERS.
3. REVERSE CURVES MAY BE IMPLEMENTED. ALL CURVE DATA SHALL BE CALCULATED.
4. MEDIAN REMOVAL SHALL BE REQUIRED IF ½ L OR REVERSE CURVE IS NOT SUFFICIENT. MEDIAN REMOVAL SHALL TAKE PLACE BEFORE SPLITS.
5. REDUCED SPEED MAY BE CONSIDERED.
6. * USE 1-3 FOR 30 MPH OR LESS, W1-4 FOR SPEED 35 MPH OR GREATER.

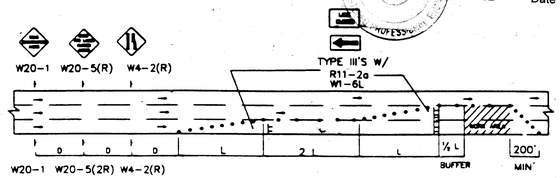


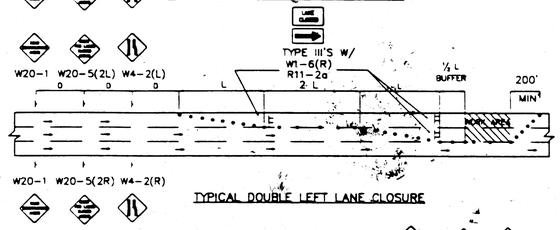
- ALL PITS TO HAVE TYPE-A FLASHING LIGHTS.
- ALL PITS TO HAVE FLAGLINE.

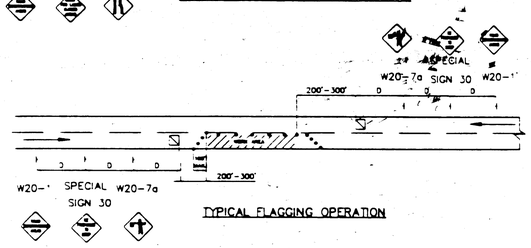


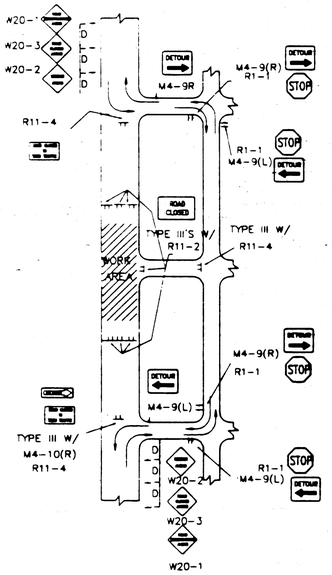


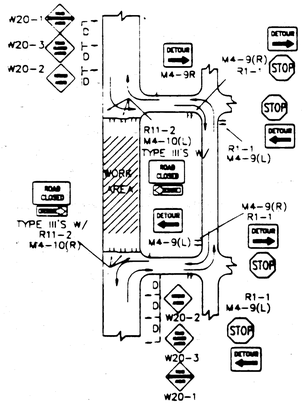












AS BUILT INFORMATION

CONTRACTOR	DATE
WORK STAKED BY	DATE
INSPECTOR'S ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
CADD CORRECTION BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS

SURVEY INFORMATION

NO.	FIELD NOTES BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN

DESIGNED BY	RICARDO ROYBAL, P.E.	DATE NOV. 1991
DRAWN BY	C.A.D.D./W.L.B./A.F.V.	DATE NOV. 1991
CHECKED BY		DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

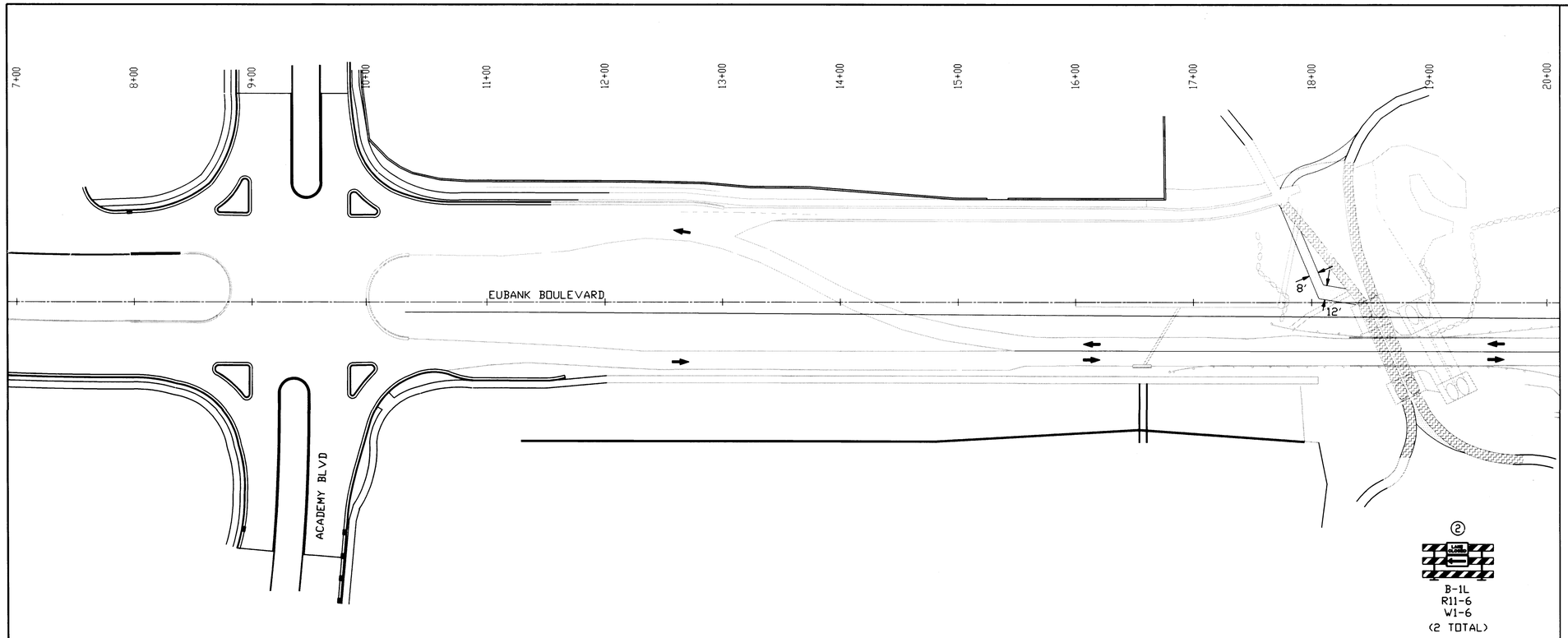
TITLE:
TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. M.U.T.C.D.)

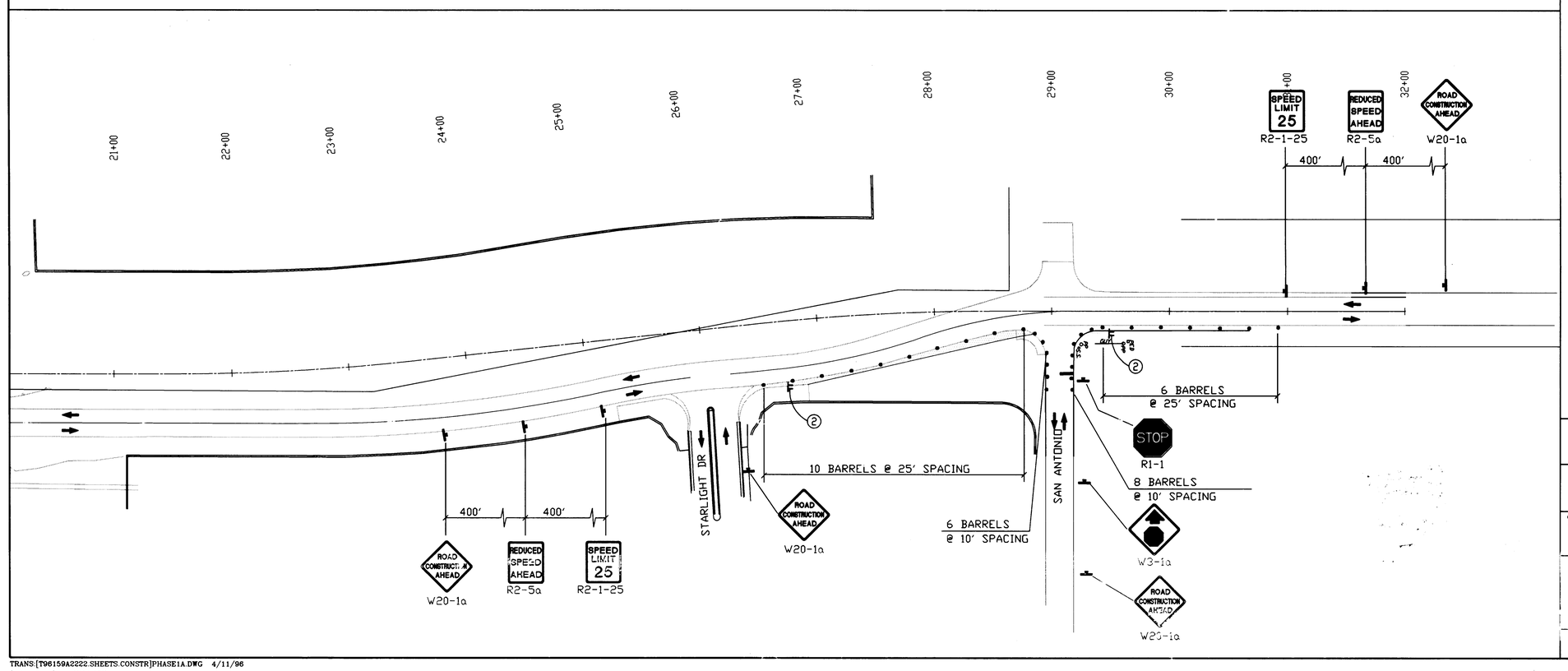
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

PROJECT NO.	MAP NO.	SHEET	OF
4405-90	D-20	37	46

08.13.92
CTLSTD2.Dwg

SCANNED BY BY LASON





PHASE 1A:

1. INSTALL TEMPORARY PAVEMENT ON EAST SIDE OF EXISTING EUBANK BOULEVARD NEAR THE REVERSE CURVE TRANSITION AT SAN ANTONIO.
2. TRAFFIC SHALL BE MAINTAINED ON EXISTING EUBANK BOULEVARD WITH ONE LANE IN EACH DIRECTION.
3. GOLF CART TRAFFIC SHALL BE MAINTAINED ON EXISTING PATHS.
4. INSTALL TEMPORARY PAVEMENT FOR GOLF CART TRAFFIC.

RECORD DRAWING

The improvements shown on this drawing have been as-build in accordance with field information provided by DVC Engineering, CCM Construction (Contractor), and BSN Surveying (Surveyor) to reflect construction actually accomplished to the best of my knowledge and belief.

Debra Vaughan-Clark N.E. 11992 — Date 7/21/97

LEGEND

- TRAFFIC FLOW
- BARRICADE – TYPE III
- SIGN
- BARREL
- FLAGGER
- WORK ZONE
- INSTALL TEMPORARY PAVEMENT
- EXISTING TEMPORARY PAVEMENT FROM PREVIOUS PHASE
- GOLF CART TRAFFIC

N

0 25 50 100

SCALE: 1" = 50'

AS-BUILT INFORMATION

		DATE
CONTRACTOR		
WORK STAKED BY		DATE
INSPECTOR'S ACCEPTANCE BY		DATE
FIELD DOCUMENTATION BY		DATE
DRAWINGS CORRECTED BY		DATE
MICRO-FILM INFORMATION		
RECORDED BY		DATE
NO.		

BENCH MARKS

ACS STATION 8 – 21
ELEVATION = 5702.26'
APPROX 375' WEST OF
EUBANK ON ACADEMY
NORTH CURB LINE

SURVEY INFORMATION

NO.	FIELD NOTES BY	DATE

ENGINEER'S SEAL

4-15-96

NO	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY: ARB	DATE 4-96
		DRAWN BY: ARB	DATE 4-96
		CHECKED BY: AMT	DATE 4-96

BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE • ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

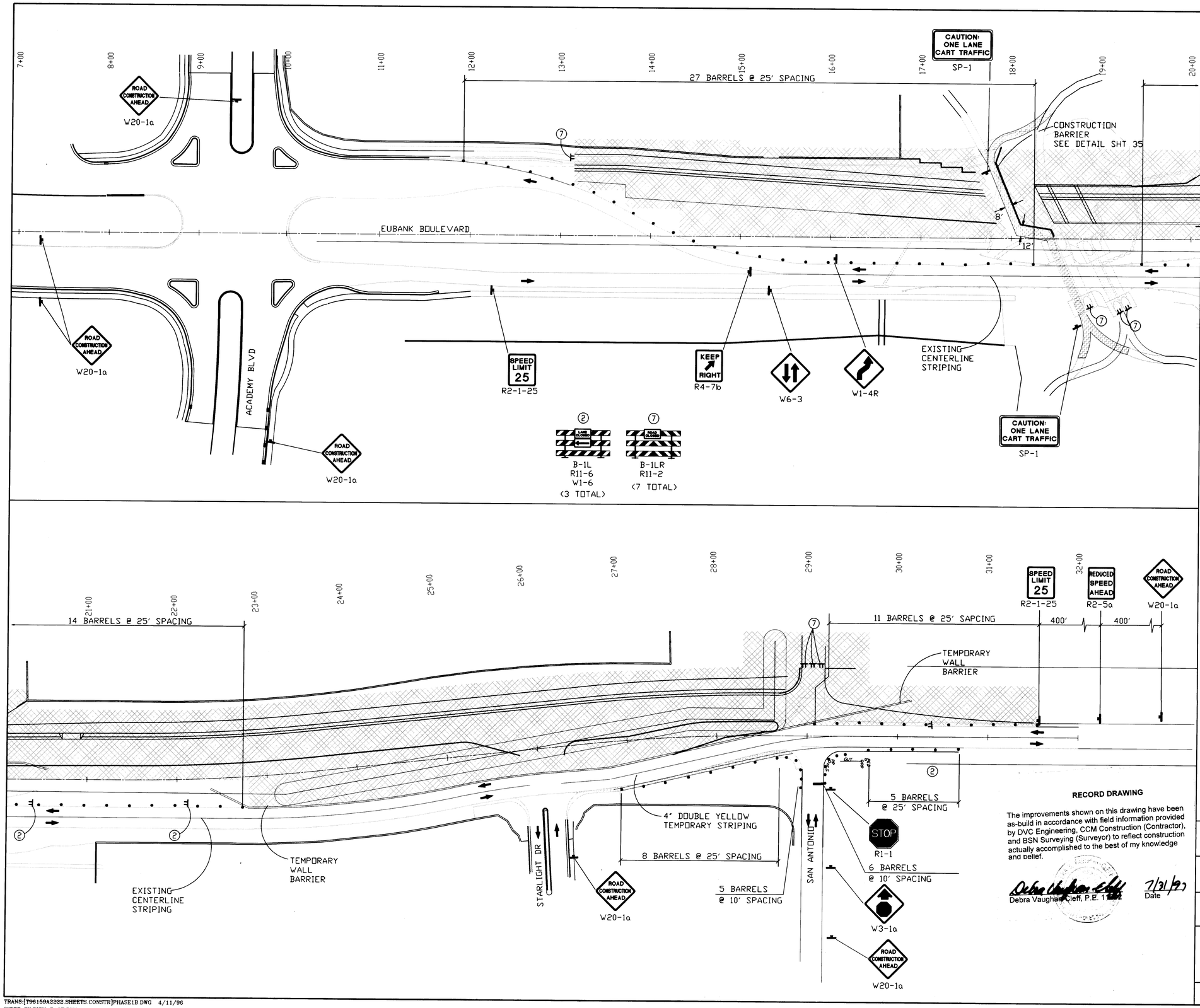
TITLE: TRAFFIC CONTROL PHASE 1A

DESIGN ENGINEER COMPLETED: B.A.B. 4-15-96
CITY ENGINEER APPROVAL
MO./DAY/YR. — MO./DAY/YR.
FINAL DESIGN UPDATE

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
4405-90	D-20	38	46

TRANS:[T96159A2222.SHEETS.CONSTR]PHASE1A.DWG 4/11/96
)XREF FILE]EU_BASE.DWG
EUBANK.PCP 1:1

SCANNED BY LASON



PHASE 1B:

1. TRAFFIC SHALL BE MAINTAINED ON EXISTING EUBANK BOULEVARD AND TEMPORARY PAVEMENT WITH ONE LANE IN EACH DIRECTION.
2. GOLF CART TRAFFIC SHALL BE DIVERTED TO THE SOUTHERN MOST CULVERT AND SOUTH OF THE BRIDGE CONSTRUCTION ZONE.
3. INSTALL TEMPORARY PAVEMENT FOR GOLF CART TRAFFIC (INSIDE OF THE SOUTHERN LOW FLOW CULVERT SHALL BE CLEANED AND PAVED FOR TEMPORARY GOLF CART ACCESS).
4. INSTALL TEMPORARY WALL BARRIER STA 22+50 TO 30+50.
5. INSTALL 30" WATER MAIN FROM STA. 23+19 TO STA. 28+64.
6. INSTALL WEST HALF OF PROPOSED ROADWAY SECTION FROM STA. 13+15 TO STA. 17+70 AND FROM THE BRIDGE TO E.O.P..
7. INSTALL STORM DRAIN IMPROVEMENTS ON WEST HALF OF PROJECT.

LEGEND

- TRAFFIC FLOW
- BARRICADE – TYPE III
- SIGN
- BARREL
- FLAGGER
- WORK ZONE
- INSTALL TEMPORARY PAVEMENT
- EXISTING TEMPORARY PAVEMENT FROM PREVIOUS PHASE
- GOLF CART TRAFFIC

N

0 25 50 100

SCALE: 1" = 50'

RECORD DRAWING

The improvements shown on this drawing have been as-build in accordance with field information provided by DVC Engineering, CCM Construction (Contractor), and BSN Surveying (Surveyor) to reflect construction actually accomplished to the best of my knowledge and belief.

Debra Vaughan Cleff, P.E. 11[illegible]2 — Date 7/31/97

AS-BUILT INFORMATION

CONTRACTOR	DATE
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

ACS STATION 8 – 21
ELEVATION = 5702.26'
APPROX 375' WEST OF
EUBANK ON ACADEMY
NORTH CURB LINE

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY: ARB DATE 4-96
DRAWN BY: ARB DATE 4-96
CHECKED BY: AMT DATE 4-96

BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE • ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

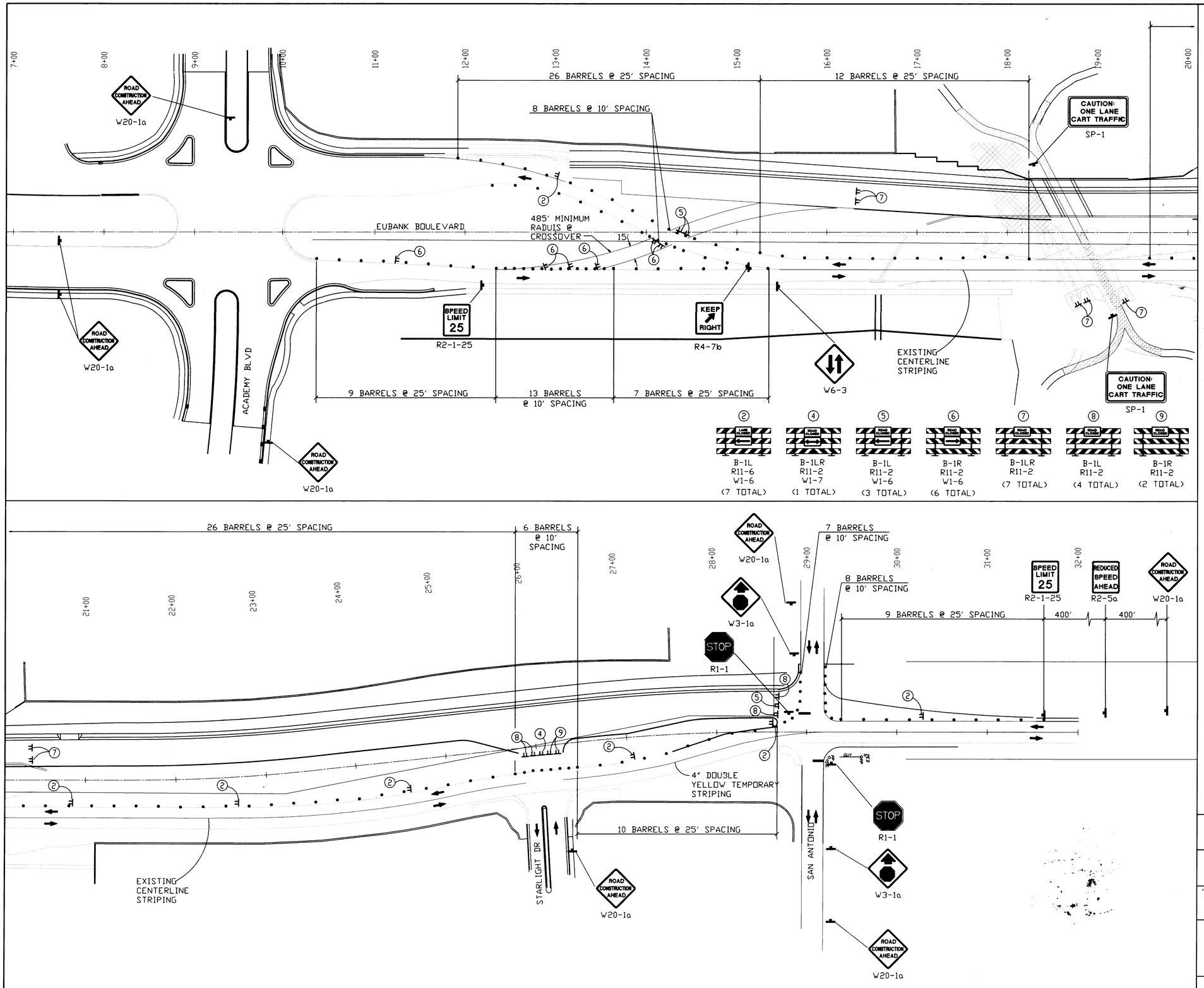
TITLE: TRAFFIC CONTROL PHASE 1B

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
B. J. A. 4-12-96				

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
4405-90	D-20	39	46

TRANS:[T96159A2222.SHEETS.CONSTR]PHASE1B.DWG 4/11/96
}XREF FILE[EU_BASE.DWG
EUBANK.PCP 1:1

SCANNED BY BY LASON



PHASE 2:

1. ONE LANE OF TRAFFIC SHALL BE MAINTAINED IN EACH DIRECTION ON EXISTING EUBANK BOULEVARD.
2. INSTALL TEMPORARY PAVEMENT FROM STA. 12+30 TO STA. 16+15 FOR CROSSOVER.
3. GOLF CART TRAFFIC SHALL BE DIVERTED TO THE SOUTH LOW FLOW CULVERT AND THE LOW FLOW CHANNEL FLOOR UNDER THE NEW PORTION OF THE BRIDGE.
4. COMPLETE RETAINING WALLS AND APPROACH ON THE SOUTH SIDE OF THE BRIDGE AND WEST OF CENTRLINE.

RECORD DRAWING

The improvements shown on this drawing have been as-built in accordance with field information provided by DVC Engineering, CCM Construction (Contractor), and BSN Surveying (Surveyor) to reflect construction actually accomplished to the best of my knowledge and belief.

Debra Vaughan-Cleff 7/31/97
Debra Vaughan-Cleff, P.E. 11992 Date

LEGEND

- TRAFFIC FLOW
- BARRICADE – TYPE III
- SIGN
- BARREL
- FLAGGER
- WORK ZONE
- INSTALL TEMPORARY PAVEMENT
- EXISTING TEMPORARY PAVEMENT FROM PREVIOUS PHASE
- GOLF CART TRAFFIC

N

0 25 50 100
SCALE: 1" = 50'

AS-BUILT INFORMATION

CONTRACTOR	DATE
WORK STAKED BY	DATE
INSPECTOR ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

ACS STATION 8 – 21
ELEVATION = 5702.26'
APPROX 375' WEST OF
EUBANK ON ACADEMY
NORTH CURB LINE

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

4-15-96

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

DESIGNED BY: ARB DATE 4-96
DRAWN BY: ARB DATE 4-96
CHECKED BY: AMT DATE 4-96

BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE • ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

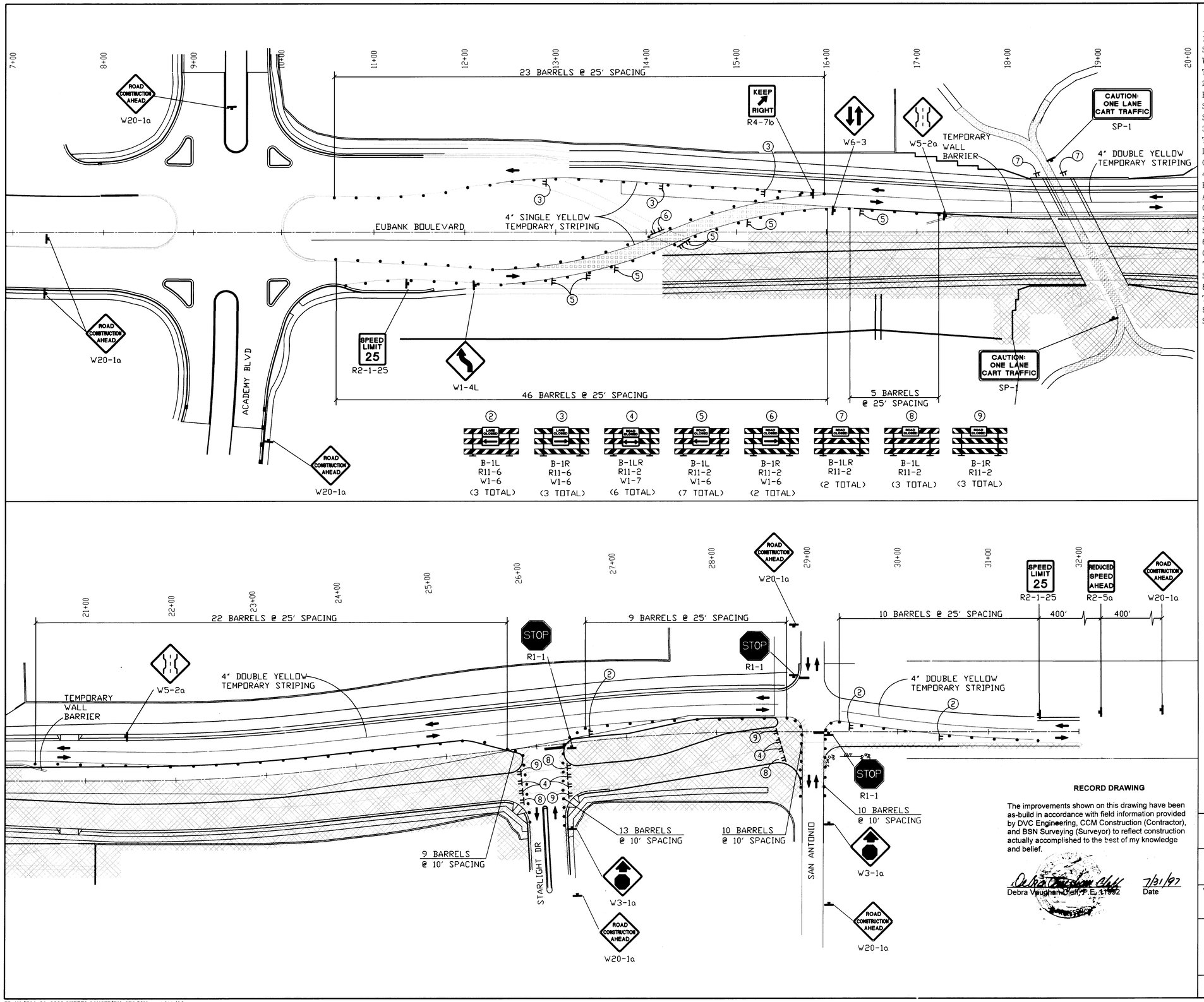
TITLE: TRAFFIC CONTROL PHASE 2

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR
B.G.B. 4-12-96				

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
4405-90	D-20	40	46

TRANS:[T96159A2222.SHEETS.CONSTR]PHASE2.DWG 4/11/96
|XREF FILE|EU_B:SE.DWG
EUBANK.PCP 1:1

SCANNED BY BY LASON



PHASE 3:

1. ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED ON THE COMPLETED WEST HALF OF EUBANK BOULEVARD AND TEMPORARY CROSSOVER.
2. INSTALL THE EAST HALF OF PROPOSED ROADWAY SECTION FROM STA. 14+20 TO STA. 18+80, STA 19+30 TO STA 25+85, AND STA. 26+30 TO STA. 28+95.
3. GOLF CART TRAFFIC SHALL REMAIN IN THE SOUTH LOW FLOW CULVERT AND THE LOW FLOW CHANNEL FLOOR UNDER THE NEW OF THE BRIDGE.
4. CONSTRUCT BOTH SOUTH AND NORTH BRIDGE ABUTMENTS EAST OF CENTERLINE, AND PROPOSED GOLF CART PATH, AND CHANNEL FLOOR EAST OF CENTERLINE.
5. INSTALL TEMPORARY WALL BARRIER STA 17+00 TO STA 20+50.
6. REMOVE 3 OF THE EXISTING 8 FOOT CULVERT PIPES.
7. INSTALL 30" WATER MAIN FROM STA. 15+12 TO STA. 23+19.
8. INSTALL STORM DRAIN IMPROVEMENTS ON THE WEST HALF OF EUBANK BOULEVARD.
9. ACCESS SHALL BE MAINTAINED FOR STARLIGHT AND SAN ANTONIO.

LEGEND

- TRAFFIC FLOW
- BARRICADE – TYPE III
- SIGN
- BARREL
- FLAGGER
- WORK ZONE
- INSTALL TEMPORARY PAVEMENT
- EXISTING TEMPORARY PAVEMENT FROM PREVIOUS PHASE
- GOLF CART TRAFFIC

N

0 25 50 100

SCALE: 1" = 50'

RECORD DRAWING

The improvements shown on this drawing have been as-built in accordance with field information provided by DVC Engineering, CCM Construction (Contractor), and BSN Surveying (Surveyor) to reflect construction actually accomplished to the best of my knowledge and belief.

Debra Vaughan Clift, P.E. 11992 — 7/31/97 Date

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

BENCH MARKS: ACS STATION 8 – 21; ELEVATION = 5702.26'; APPROX 375' WEST OF EUBANK ON ACADEMY; NORTH CURB LINE

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

ENGINEER'S SEAL: 4-15-96

NO.	DATE	REMARKS / REVISIONS	BY
		DESIGN	

DESIGNED BY: ARB — DATE 4-96
DRAWN BY: ARB — DATE 4-96
CHECKED BY: AMT — DATE 4-96

BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE • ARCHITECTS
ALBUQUERQUE — LAS CRUCES — SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

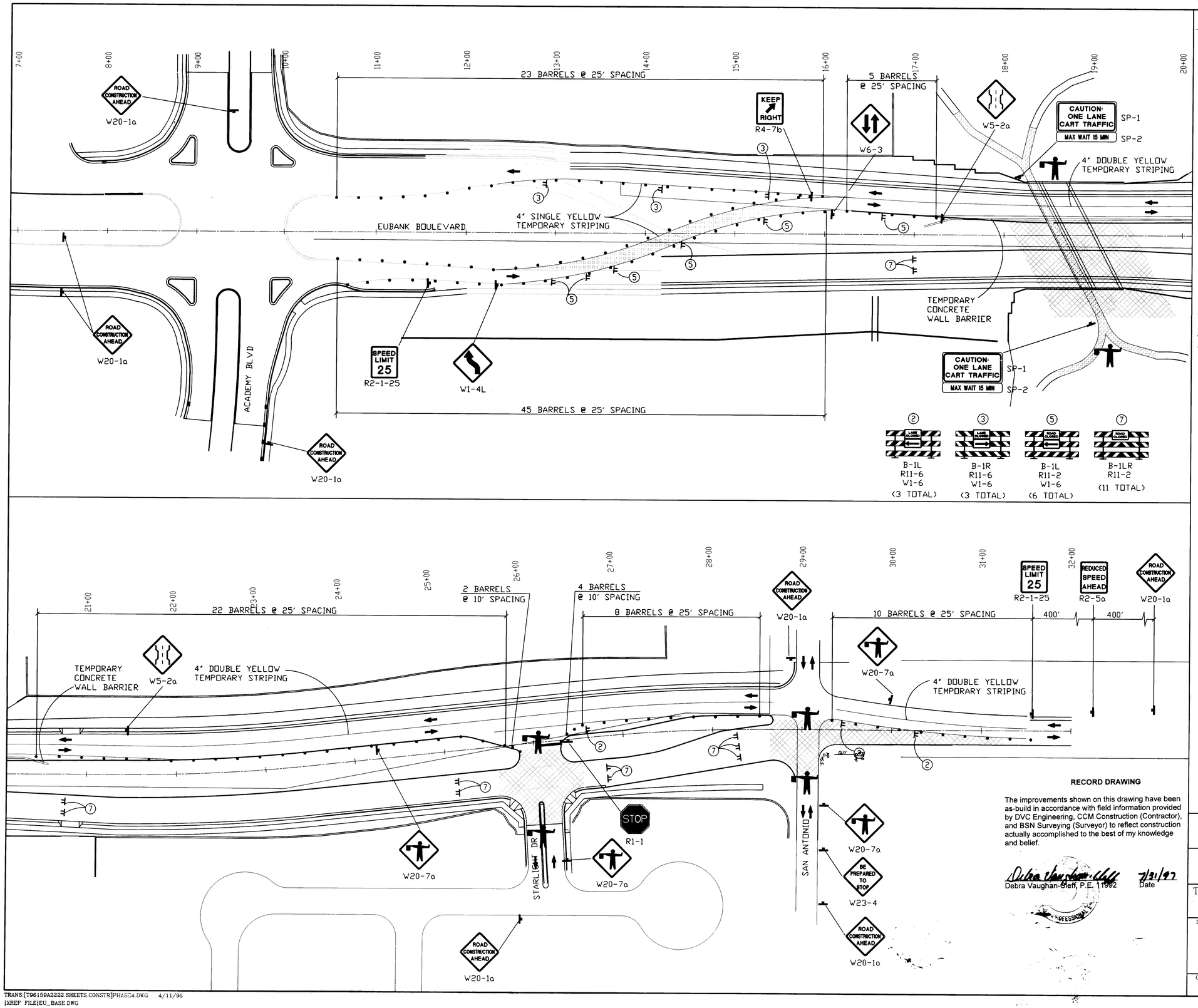
TITLE: TRAFFIC CONTROL PHASE 3

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
B.J.H. 4-12-96				

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
4405-90	D-20	41	46

TRANS:[T96159A2222.SHEETS.CONSTR]PHASE3.DWG 4/11/96
|XREF FILE|EU_BASE.DWG
EUBANK.PCP 1:1

SCANNED BY BY LASON



PHASE 4:

1. ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED ON THE COMPLETED WEST HALF OF EUBANK BOULEVARD AND TEMPORARY CROSSOVER.
2. GOLF CART TRAFFIC SHALL USE THE CART PATH ON THE COMPLETED PORTION OF THE DRAINAGE CHANNEL FLOOR. FLAGGERS SHALL BE UTILIZED AT BOTH ENDS OF PATH DURING PLACEMENT OF PRECAST VOIDED SLABS.
3. TEMPORARY WALL BARRIER STA 17+00 TO STA 20+50 TO REMAIN FROM PHASE 3.
4. COMPLETE INSTALLATION OF BRIDGE. INSTALLATION OF PRECAST VOIDED SLABS SHALL TAKE PLACE IN 15 MINUTE INTERVALS TO ALLOW GOLF CART TRAFFIC TO PASS UNDER THE CONSTRUCTION ZONE. PRECAUTIONS SHALL MADE TO SECURE CONSTRUCTION EQUIPMENT AND MATERIALS MATERIALS DURING GOLF CART PASSAGE.
5. INSTALL PAVEMENT AT STARLIGHT INTERSECTION DURING OFF PEAK HOURS. FLAGGERS SHALL CONTROL ACCESS THROUGH STARLIGHT DRIVE.
6. INSTALL PAVEMENT AT SAN ANTONIO INTERSECTION DURING OFF PEAK HOURS. FLAGGERS SHALL CONTROL ACCESS THROUGH SAN ANTONIO.
7. REMOVE REMAINING 8' CULVERT PIPE.

LEGEND

- TRAFFIC FLOW
- BARRICADE – TYPE III
- SIGN
- BARREL
- FLAGGER
- WORK ZONE
- INSTALL TEMPORARY PAVEMENT
- EXISTING TEMPORARY PAVEMENT FROM PREVIOUS PHASE
- GOLF CART TRAFFIC

N

0 25 50 100

SCALE: 1" = 50'

RECORD DRAWING

The improvements shown on this drawing have been as-built in accordance with field information provided by DVC Engineering, CCM Construction (Contractor), and BSN Surveying (Surveyor) to reflect construction actually accomplished to the best of my knowledge and belief.

Debra Vaughan-Cleff, P.E. 11992 — Date 7/31/97

AS-BUILT INFORMATION: CONTRACTOR — DATE; PLANS STAMPED BY — DATE; INSPECTOR'S AS-BUILTS BY — DATE; FIELD VERIFICATION BY — DATE; DRAWINGS CORRECTED BY — DATE; MICRO-FILM INFORMATION — RECORDED BY — DATE; NO.

BENCH MARKS: ACS STATION 8 – 21; ELEVATION = 5702.26'; APPROX. 375' WEST OF EUBANK ON ACADEMY; NORTH CURB LINE

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

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY: ARB — DATE 4-96
DRAWN BY: ARB — DATE 4-96
CHECKED BY: AMT — DATE 4-96

BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE • ARCHITECTS
ALBUQUERQUE — LAS CRUCES — SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

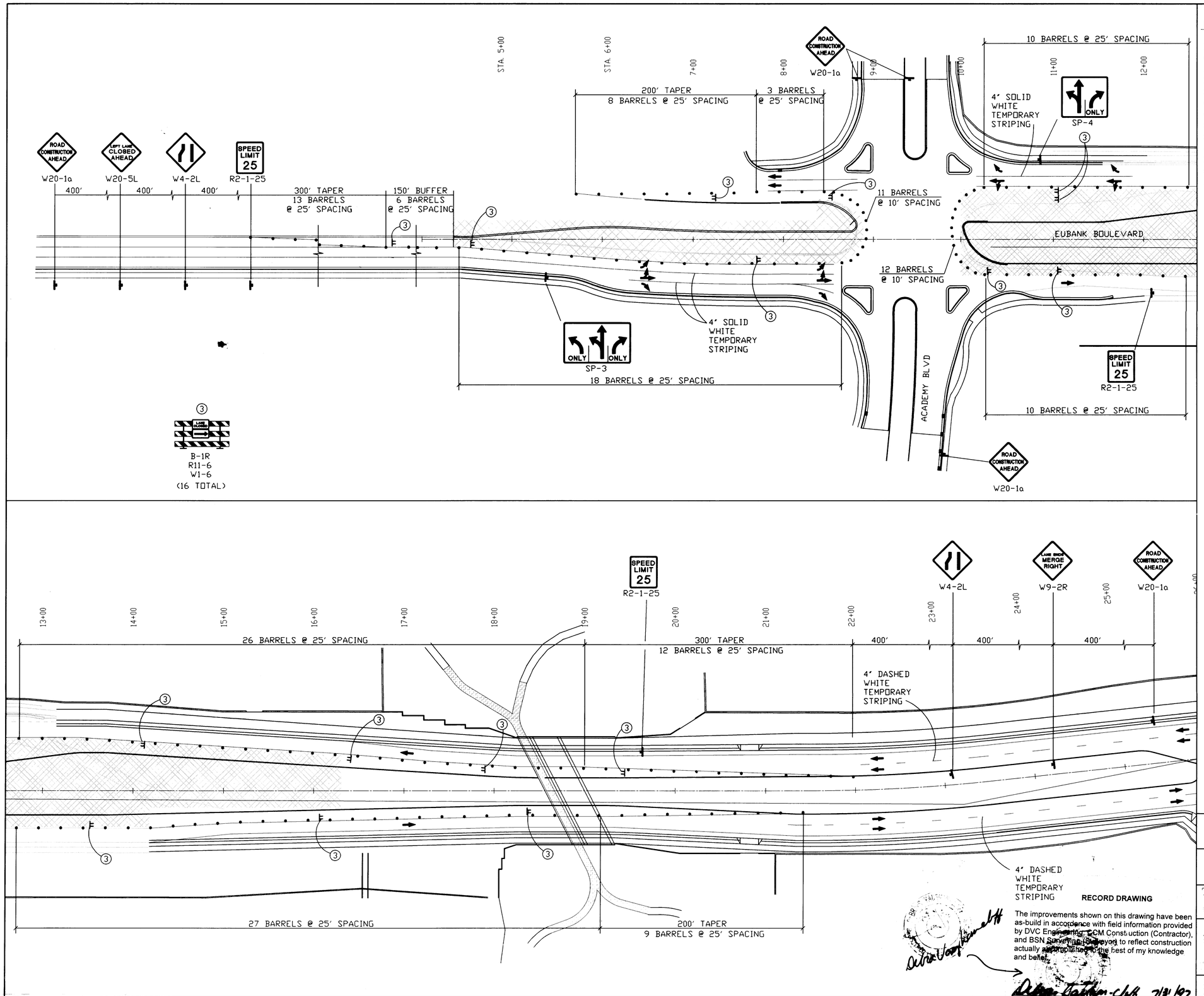
TITLE: TRAFFIC CONTROL PHASE 4

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
B.J.B. 4-12-96				

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
4405-90	D-20	42	46

TRANS:[T96159A2222.SHEETS.CONSTR]PHASE4.DWG 4/11/96
}XREF FILE{EU_BASE.DWG
EUBANK.PCP 1:1

SCANNED BY BY LASON



PHASE 5:

1. ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED ON THE COMPLETED PORTION OF EUBANK BOULEVARD AND THE OUTSIDE LANES OF EXISTING EUBANK BOULEVARD.
2. GOLF CART TRAFFIC SHALL USE THE COMPLETED CART PATH UNDER THE NEWLY CONSTRUCTED BRIDGE.
3. INSTALL 30″ WATER MAIN FROM STA. 10+30 TO STA. 15+12.
4. INSTALL PROPOSED INSIDE LANES AND MEDIAN FROM STA. 9+90 TO STA. 16+35.
5. INSTALL LEFT TURN LANE SOUTH OF ACADEMY BOULEVARD.

NOTE:

CONTRACTOR SHALL COORDINATE WITH CITY TRAFFIC OPERATIONS (PH 857-8000) TO OPERATE SIGNAL TEMPORARILY AS SPLIT PHASE ON EUBANK DURING THIS CONSTRUCTION PHASE. CONTRACTOR SHALL NOTIFY CITY TRAFFIC OPERATIONS THREE (3) DAYS IN ADVANCE OF REQURIING SPLIT PHASE.

LEGEND

- TRAFFIC FLOW
- BARRICADE – TYPE III
- SIGN
- BARREL
- FLAGGER
- WORK ZONE
- INSTALL TEMPORARY PAVEMENT
- EXISTING TEMPORARY PAVEMENT FROM PREVIOUS PHASE
- GOLF CART TRAFFIC

N

0 25 50 100

SCALE: 1″ = 50′

RECORD DRAWING

The improvements shown on this drawing have been as-built in accordance with field information provided by DVC Engineering, CCM Construction (Contractor), and BSN Surveying (Surveyor) to reflect construction actually as-built to the best of my knowledge and belief.

Debra Vaughan-Clift 7/31/97
Debra Vaughan-Clift, P.E. 11992 Date

AS-BUILT INFORMATION
CONTRACTOR — DATE
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
ACS STATION 8 – 21
ELEVATION = 5702.26′
APPROX 375′ WEST OF
EUBANK ON ACADEMY
NORTH CURB LINE

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
4-15-96

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN
DESIGNED BY: ARB — DATE 4-96
DRAWN BY: ARB — DATE 4-96
CHECKED BY: AMT — DATE 4-96

BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE • ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

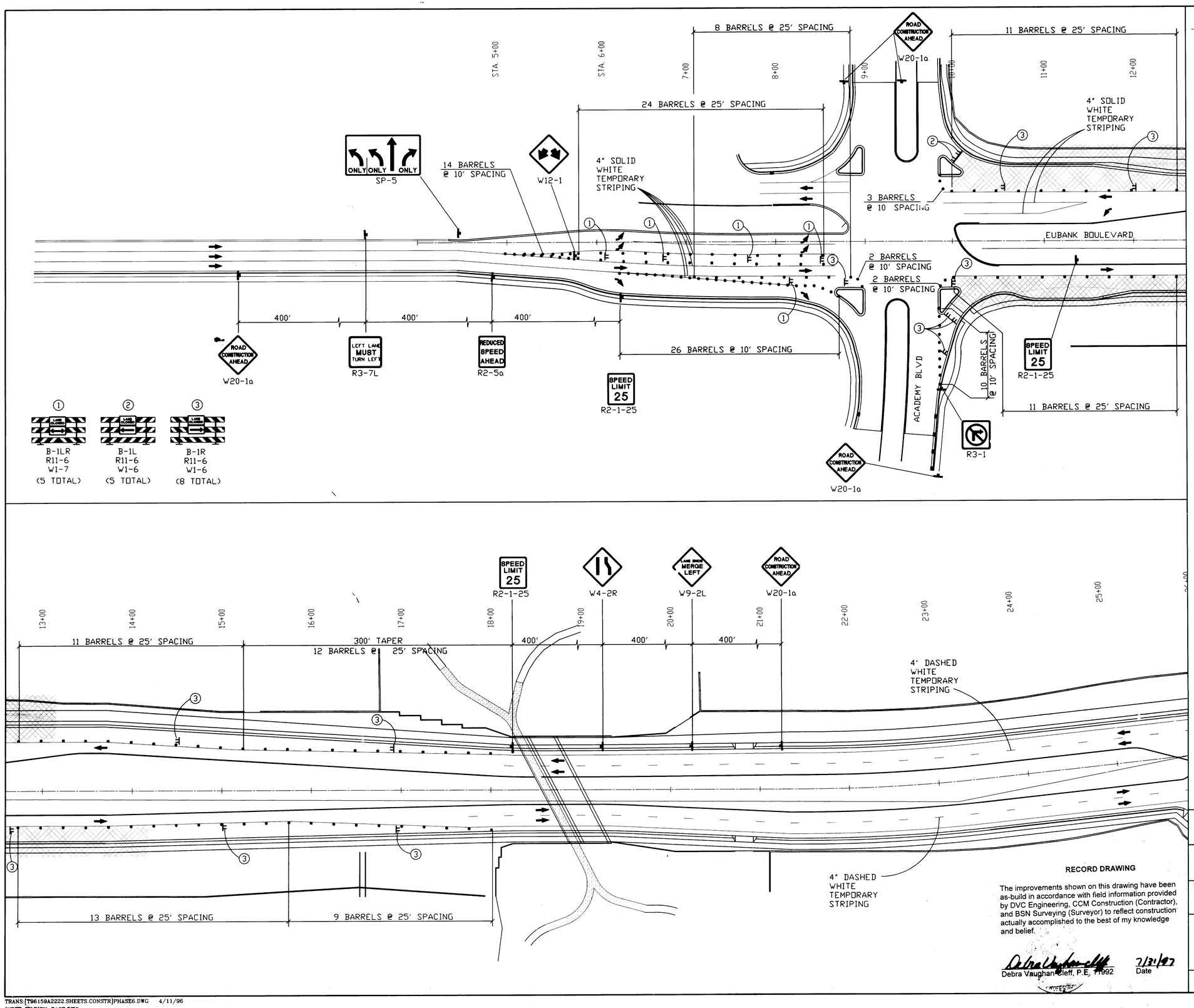
TITLE: TRAFFIC CONTROL PHASE 5

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
B.J.G. 4-12-96				

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
4405.90	D-20	43	46

SCANNED BY BY LASON

TRANS:[T96159A2222.SHEETS.CONSTR]PHASE5.DWG 4/11/96
[XREF FILE]EU_BASE.DWG
EUBANK.PCP 1:1



PHASE 6:

1. ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED ON THE INSIDE LANES OF THE COMPLETED PORTIONS OF EUBANK BOULEVARD.
2. GOLF CART TRAFFIC SHALL USE THE COMPLETED GOLF CART PATH UNDER THE NEWLY CONSTRUCTED BRIDGE.
3. INSTALL OUTSIDE LANES AND PROPOSED ROADWAY SECTION FROM STA. 9+90 TO STA. 14+20.

NOTE:

CONTRACTOR SHALL COORDINATE WITH CITY TRAFFIC OPERATIONS (PH 857-8000) TO OPERATE SIGNAL TEMPORARILY AS SPLIT PHASE ON EUBANK DURING THIS CONSTRUCTION PHASE. CONTRACTOR SHALL NOTIFY CITY TRAFFIC OPERATIONS THREE (3) DAYS IN ADVANCE OF REQURIING SPLIT PHASE.

LEGEND

- TRAFFIC FLOW
- BARRICADE – TYPE III
- SIGN
- BARREL
- FLAGGER
- WORK ZONE
- INSTALL TEMPORARY PAVEMENT
- EXISTING TEMPORARY PAVEMENT FROM PREVIOUS PHASE
- GOLF CART TRAFFIC

RECORD DRAWING

The improvements shown on this drawing have been as-built in accordance with field information provided by DVC Engineering, CCM Construction (Contractor), and BSN Surveying (Surveyor) to reflect construction actually accomplished to the best of my knowledge and belief.

Debra Vaughan Cleff, P.E. #1992 — Date 7/31/97

AS-BUILT INFORMATION: CONTRACTOR — DATE; 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: ACS STATION 8 – 21; ELEVATION = 5702.26'; APPROX 375' WEST OF EUBANK ON ACADEMY; NORTH CURB LINE

SURVEY INFORMATION / FIELD NOTES: NO. | BY | DATE

ENGINEER'S SEAL: 4-15-96

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY: ARB — DATE 4-96
DRAWN BY: ARB — DATE 4-96
CHECKED BY: AMT — DATE 4-96

BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE • ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: TRAFFIC CONTROL PHASE 6

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
B.J.B. 4-12-96				

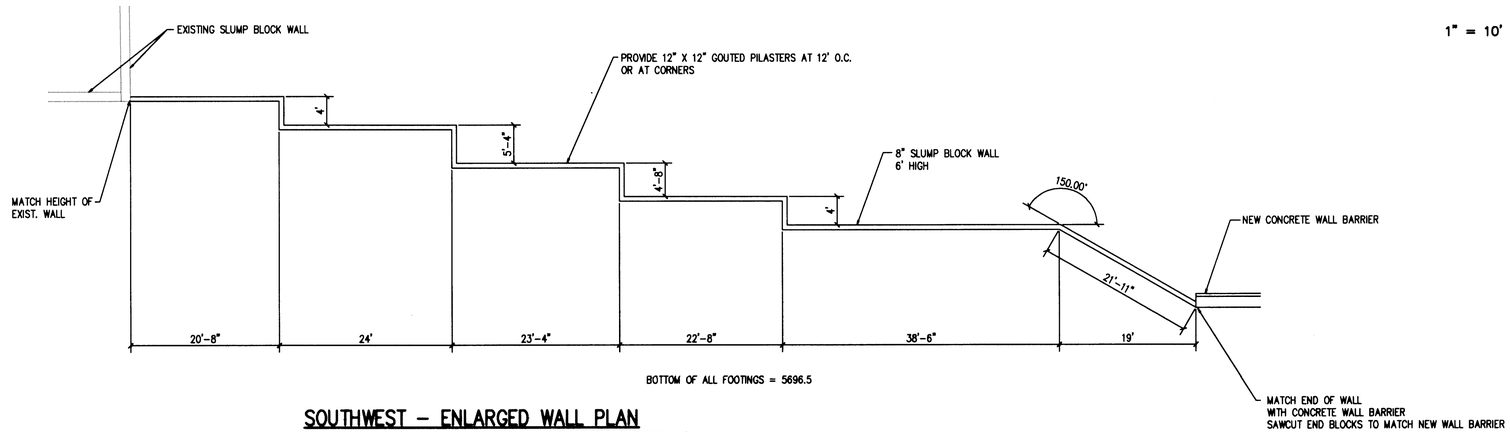
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
4405-90	D-20	44	46

TRANS.[T96159A2222.SHEETS.CONSTR]PHASE6.DWG 4/11/96
[XREF FILE]EU_BASE.DWG
EUBANK.PCP 1:1

SCANNED BY
BY LASON

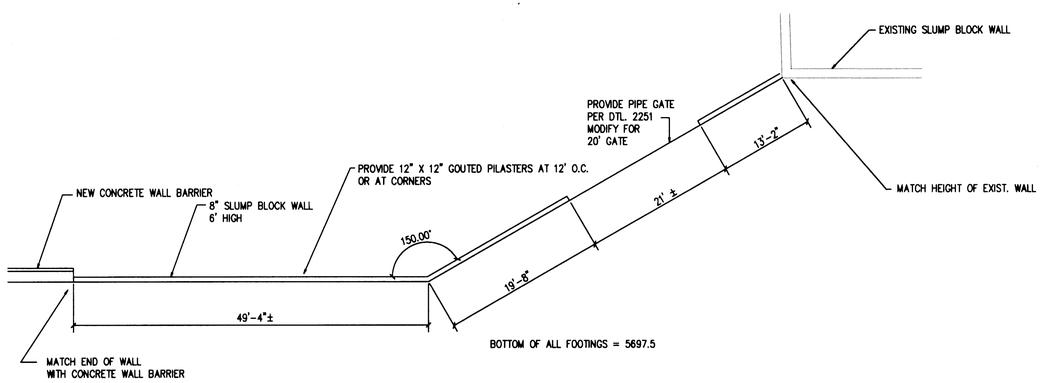
SCALE

1" = 10' 0 10 20 30



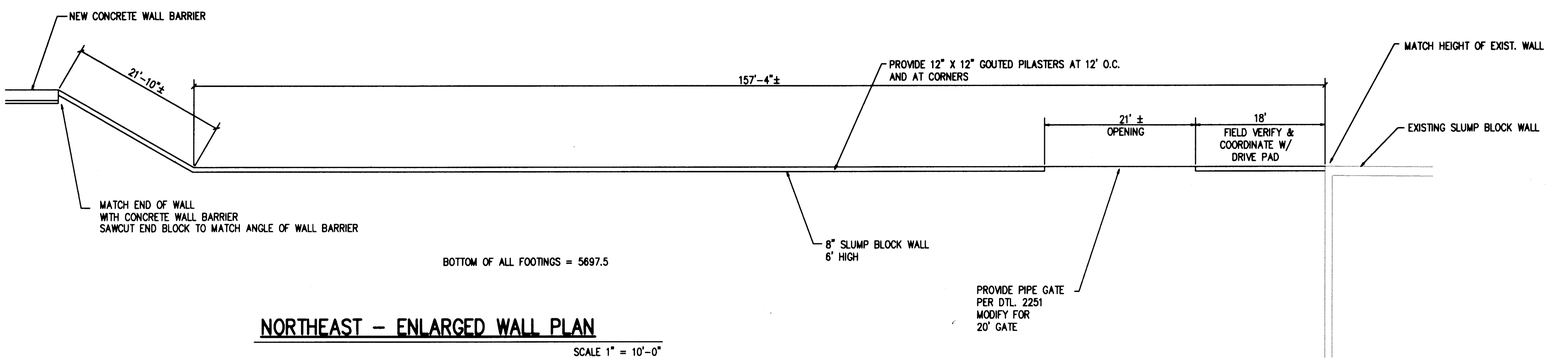
SOUTHWEST – ENLARGED WALL PLAN

SCALE 1" = 10'-0"



NORTHWEST – ENLARGED WALL PLAN

SCALE 1" = 10'-0"



NORTHEAST – ENLARGED WALL PLAN

SCALE 1" = 10'-0"

ALTERNATE 1

NOTES:

RECORD DRAWING

The improvements shown on this drawing have been as-build in accordance with field information provided by DVC Engineering, CCM Construction (Contractor), and BSN Surveying (Surveyor) to reflect construction actually accomplished to the best of my knowledge and belief.

Debra Vaughan-Cleff, P.E. 11992 7/31/97 Date

DVC Debra Vaughan-Cleff, P.E.
DVC Consulting Engineer
DVC 6212 Torreon NE
DVC Albuquerque, New Mexico 87109
DVC (505) 249-6196
DVC Fax (505) 828-1215

SURVEY INFORMATION		
FIELD NOTES		
NO.	BY	DATE
	REX VOLGER	

BENCH MARKS	
ACS STATION 8-21	
ELEVATION 5702.26	
APPROX. 375' WEST OF EUBANK	
ON ACADEMY – NORTH CURB LINE	

AS BUILT INFORMATION	
CONTRACTOR	
STAKED BY	DATE
INSPECTED BY	DATE
VERIFICATION BY	DATE
DRAWINGS BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

ENGINEER'S SEAL

DEBRA S. VAUGHAN-CLEFF NEW MEXICO 11992 REGISTERED PROFESSIONAL ENGINEER

4/16/96

No.	Date	REMARKS	BY
		REVISIONS	
		DESIGN	

Designed By Debra Vaughan-Cleff, P.E.
Drawn By RDW
Checked By DVC/RGV

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: 8" SLUMP BLOCK WALL EUBANK

B.J.A. 4-12-96

Last Design Update

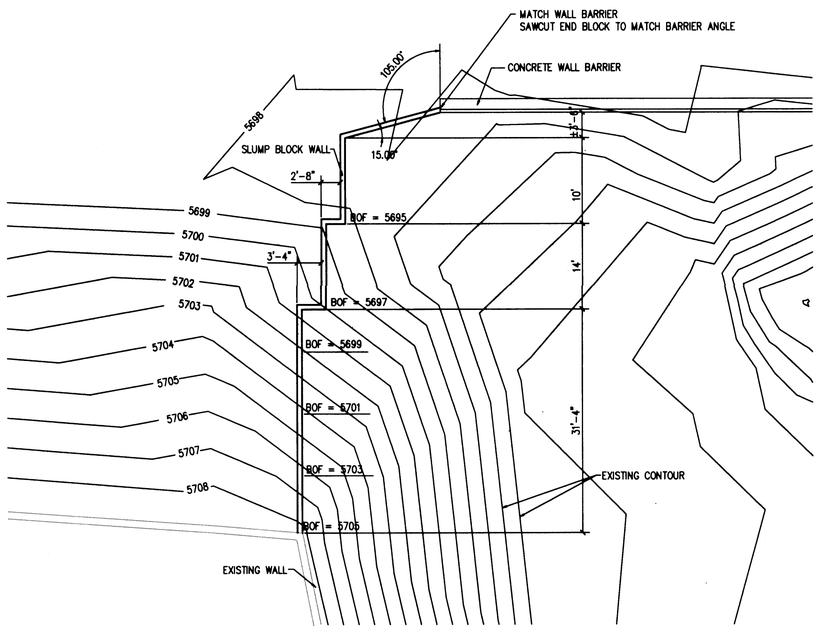
Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4405-90	D-20	45	46

SCANNED BY BY LASON

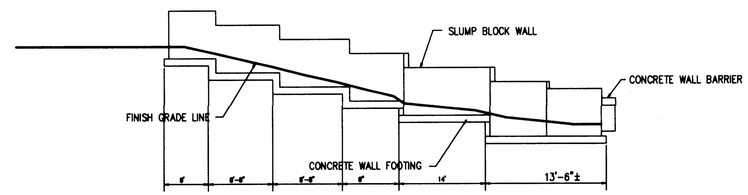
SCALE

1" = 10' 0 10 20 30



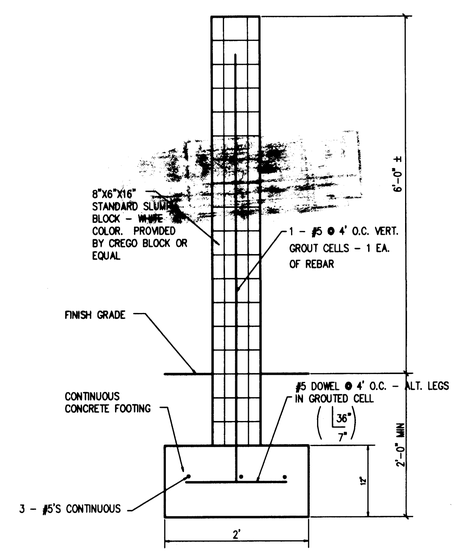
SOUTHEAST – SLUMP BLOCK WALL PLAN

SCALE 1" = 10'-0"



SOUTHEAST – SLUMP BLOCK WALL ELEVATION

VERT & HOR. SCALE 1" = 10'-0"



SLUMP BLOCK WALL SECTION

SCALE 1" = 1'-0"

ALTERNATE 1

NOTES:

AS BUILT INFORMATION

CONTRACTOR
STAKED BY — DATE
INSPECTED BY — DATE
VERIFICATION BY — DATE
DRAWINGS BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

ACS STATION 8-21
ELEVATION 5702.26
APPROX. 375' WEST OF EUBANK ON ACADEMY – NORTH CURB LINE

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	REX VOLGER	

ENGINEER'S SEAL

DEBRA VAUGHAN-CLEFF NEW MEXICO 11992 REGISTERED PROFESSIONAL ENGINEER

Debra Vaughan-Cleff 9/19/96

RECORD DRAWING

The improvements shown on this drawing have been as-built in accordance with field information provided by DVC Engineering, CCM Construction (Contractor), and BSN Surveying (Surveyor) to reflect construction actually accomplished to the best of my knowledge and belief.

DEBRA VAUGHAN-CLEFF NEW MEXICO 11992 REGISTERED PROFESSIONAL ENGINEER

Debra Vaughan-Cleff, P.E. 11992 — Date 7/21/97

No.	Date	REMARKS	BY
		REVISIONS	
		DESIGN	

Designed By: Debra Vaughan-Cleff, PE
Drawn By: RGW
Checked By: DVC/RGV

DVC Debra Vaughan-Cleff, P.E.
DVC Consulting Engineer
DVC 8212 Terrace NE
DVC Albuquerque, New Mexico 87109
DVC (505) 249-8196
DVC Fax (505) 828-1215

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: 8" SLUMP BLOCK WALL EUBANK

B.G.A. 4-12-96

Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4405-90	D-20	46	46

SCANNED BY BY LASON