PLANS FOR CONSTRUCTION OF

EMCORE ATR PAVING IMPROVEMENTS

ALBUQUERQUE, NEW MEXICO

JULY 13, 2001

INDEX TO DRAWINGS

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Steven K. Morrow, of the firm of Brasher and Lorenz, Inc., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction and survey information provided by KEVIN DALY, NMPS# 11008.

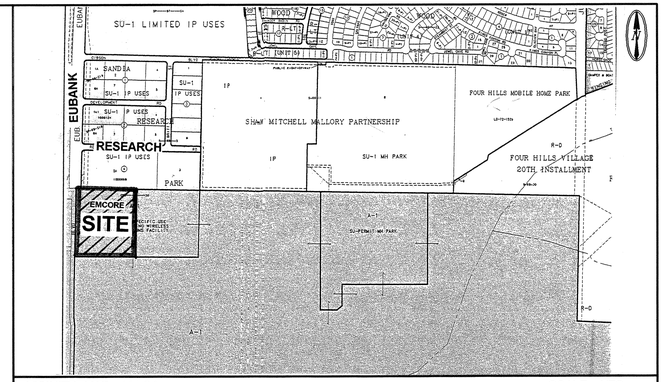
STEVEN K. MORROW NEW MEXICO 13679 REGISTERED PROFESSIONAL ENGINEER

2-4-03

APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY CONSTRUCTION ENGINEER
DATE: 3/7/03

PROJ NO. 1000554
DRB NO. 00450-00000-01483

BRASHER & LORENZ
CONSULTING ENGINEERS
2201 San Pedro NE Building 1 Suite 220
Albuquerque, New Mexico 87110
Ph: 505-888-6088 Fax: 505-888-6188



VICINITY MAP: M-21 SCALE: NTS

GENERAL NOTES:

1. CITY OF ALBUQUERQUE SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS AMENDED THROUGH UPDATE 6, WILL BE REFERRED TO HEREIN AS THE "STANDARD SPECIFICATIONS." 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 STANDARD SPECIFICATIONS

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

3. PRIOR TO ANY 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 THE SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITHOUT DELAY.

4. ALL EXISTING SIGNS, MARKERS, DELINEATORS, ETC., WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED, STORED AND RE-SET BY THE CONTRACTOR.

5. THE CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) WORKING DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. THE CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF 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 MARKER 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.

6. FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE STANDARD SPECIFICATIONS.

7. ANY WORK OCCURRING WITHIN AN ARTERIAL ROADWAY REQUIRES 24 HOUR CONSTRUCTION.

8. ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.

9. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED BY THE CONTRACTOR WITH HOT THERMOPLASTIC REFLECTORIZED PAVEMENT MARKING. ALL NEW STRIPING SHALL BE HOT THERMOPLASTIC REFLECTORIZED PAVEMENT MARKING.

10. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENTS, PAVEMENT MARKINGS, CURB AND GUTTER, DRIVEPADS, WHEELCHAIR RAMPS AND SIDEWALKS DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS AND SHALL REPAIR OR REPLACE PER THE STANDARD SPECIFICATIONS AT HIS OWN EXPENSE.

11. EXISTING UTILITY LINES AND PIPELINES SHOWN ON THESE DRAWINGS ARE SHOWN IN APPROXIMATE LOCATIONS ONLY. UTILITIES MAY EXIST WHERE NONE ARE SHOWN. THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE OR TYPE OF EXISTING UTILITY LINES AND PIPELINES. THE CONTRACTOR IS FULLY RESPONSIBLE FOR DAMAGE CAUSED BY FAILURE TO LOCATE AND PRESERVE EXISTING UTILITY LINES AND PIPELINES.

12. THE CONTRACTOR SHALL SECURE A "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION.

13. THE CONTRACTOR SHALL ASSIST THE ENGINEER/INSPECTOR IN THE RECORDING OF DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE OWNERS FOR THE PREPARATION OF "RECORD DRAWINGS." THE CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.

14. ALL CONSTRUCTION WITHIN CITY RIGHT-OF-WAY OR EASEMENTS MUST BE DONE FROM APPROVED WORK ORDER DOCUMENTS FROM THE CITY AND PREPARED BY BRASHER AND LORENZ, INC.

15. THE CONTRACTOR SHALL DETERMINE IN ADVANCE OF HIS CONSTRUCTION IF OVERHEAD UTILITY LINES, SUPPORT STRUCTURES, POLES, GUYS, ETC. ARE AN OBSTRUCTION TO CONSTRUCTION OPERATIONS. IF ANY OBSTRUCTION TO CONSTRUCTION OPERATIONS IS EVIDENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE APPROPRIATE UTILITY OWNER TO REMOVE OR SUPPORT THE UTILITY OBSTRUCTION. ANY COST ASSOCIATED WITH THIS EFFORT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

16. THE CONTRACTOR IS TO SUPPORT AND MAINTAIN THE INTEGRITY OF ALL UNDERGROUND TELEPHONE, ELECTRIC CABLES AND CABLE TELEVISION UTILITIES AT NO ADDITIONAL COST THE OWNER. CABLE IS TO BE SUPPORTED EVERY 15 FEET (MINIMUM). CONTRACTOR SHALL COORDINATE WITH AND MAKE NECESSARY PAYMENT (IF ANY) TO UTILITY OWNER FOR DE-ENERGIZATION OF CABLES OR SUPPORT OF CABLES BY THE UTILITY OWNER.

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

ENGINEERS STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE
PAUL T. BRASHER NEW MEXICO 7282 REGISTERED PROFESSIONAL ENGINEER 7-16-01	DRC Chairman		6-6-02
	Transportation		5/23/02
	Water/Wastewater		9/06/01
	Hydrology		9/06/01
	CIP		
	Constr. Mngmt.		
	Constr. Coord.		6-6-02

APPROVED FOR CONSTRUCTION

10/3/02
City Engineer Date

CITY PROJECT NO. 654882

SHEET 1 OF 10

BLOCK 4

LOT 1
SANDIA RESEARCH PARK
REC. 5/6/88, VOL. C36, FOL. 115

TEMPORARY PUBLIC
DRAINAGE EASEMENT

FOUND
PK NAIL
N 89°16'08" W
0.83'
N 89°16'08" W
6.54'
S 89°16'08" E
2.38'
5466.63
PK

5470.02
CP

678.72'

N 00°58'36" E
152.94'

S 00°58'36" W
152.96'

DUMPSTER

N 89°16'08" W

7
5476.30
PK IN ASP

175

set r/w/c

1089.68'

FOUND
REBAR W/CAP
"PS 11993"
N 89°16'08" W
87.36'

1227.97'

13
5490.00
R/W C 11993

6
101.25
NAIL

EXISTING 5' PNM EASEMENT
REC. 8/24/82, BK. C20, PG. 24

MOVABLE
STORAGE
UNIT

MOVABLE
STORAGE
UNIT

EXISTING 10' PNM EASEMENT
REC. 8/24/82, BK. C20, PG. 24

DIRT ROAD

S 00°49'51" W

12
5487.45
CP11

15.0'
15.0'

EXISTING 30' PNM EASEMENT
REC. 8/24/82, BK. C20, PG. 24

673.57'

Eubank Boulevard, S.E.
(108' R.O.W.)

25.0' 25.0'

EXISTING 50' PNM EASEMENT
REC. 8/24/82, BK. C20, PG. 24

EXISTING 40' DRAINAGE EASEMENT
REC. 8/24/82, BK. C20, PG. 24

S 00°58'36" W

10
5467.16
ALCAP TRM 9 2003

STATE OF NEW MEXICO
SUMMARY PLAT FOR ANNEXATION

FILED AUGUST 24, 1982
VOL. C20, FOLIO 24

AREA= 19.0739 acres±

8
5478.59
CP8

N 00°58'36" E

DIRT ROAD

1229.72'

9
5466.47
CP NAIL

N 89°30'31" W

ALBUQUERQUE PUBLIC SCHOOLS
BOARD OF EDUCATION
SUMMARY PLAT FOR ANNEXATION
FILED AUGUST 24, 1982
VOL. C20, FOLIO 24

GRAPHIC SCALE

0 50 75 100 150 250

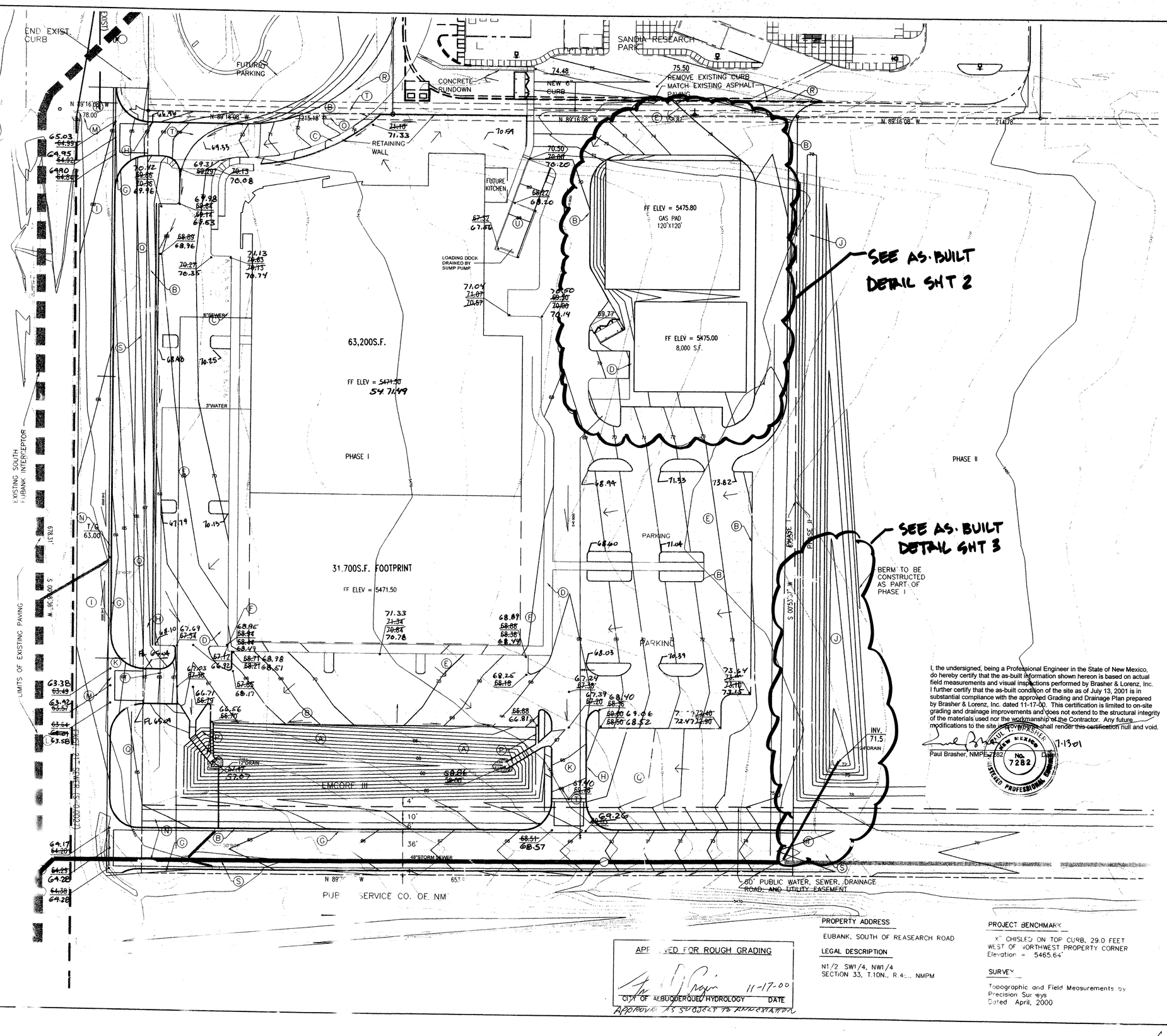
(IN FEET)
1 inch = 50 ft.

Legend

(N 90°00'00" E)	RECORD BEARINGS AND DISTANCES SHOWN IN PARENTHESIS
N 90°00'00" E	MEASURED BEARING AND DISTANCES
○	FOUND AND USED MONUMENT AS DESIGNATED
▬	BLOCK WALL
●	UTILITY POLE
W	WATER METER
G	GAS METER
E	ELECTRIC METER
—U—	OVERHEAD UTILITY LINES

EMCORE
BOUNDARY SURVEY
SHT 2/10

654882



Drainage Plan Notes:

1. BLI recommends that the Owner obtain a Geotechnical Evaluation of the on-site soils prior to foundation / structural design.
2. This Plan recommends positive drainage away from all structures to prohibit ponding of runoff which may cause structural settlement. Future alteration of grades adjacent to the proposed structures is not recommended.
3. Irrigation within 10 feet of any proposed structure is not recommended. Introduction of irrigation water into subsurface soils adjacent to the structure could cause settlement.
4. This Plan is prepared to establish on-site drainage and grading criteria only. BLI assumes no responsibility for subsurface analysis, foundation / structural design, or utility design.
5. Local codes may require all footings to be placed in natural undisturbed soil. If the Contractor plans to place footings on engineered fill, a certification by a registered Professional Engineer will be required. If the contractor wishes BLI to prepare the Certification, we must be notified PRIOR to placement of the fill.
6. BLI recommends that the Owner obtain the services of a Geotechnical Engineer to test and inspect all earthwork aspects of the project.
7. The property boundary shown on this Plan is given for information only to describe the project limits. Property boundary information shown hereon does not constitute a boundary survey. A boundary survey performed by a licensed New Mexico Registered Professional Surveyor is recommended prior to construction.

TEMPORARY EROSION CONTROL PLAN

1. The intent of the Temporary Erosion Control Plan is to limit the discharge of sediment into the public street and / or storm drainage system and to protect adjacent properties from flooding and sedimentation.
2. The contractor shall submit a Temporary Erosion Control Plan and obtain a Topsoil Disturbance Permit from Environmental Health prior to performing any earthwork-related excess runoff during construction.
3. After the initial site clearing, the temporary erosion control facilities should be constructed per the Plan to direct excess runoff and sediment the outfall locations.
4. The Temporary Erosion Control Plan consists of the placement of swales earthen erosion control berms or silt fencing along the downstream project boundaries that will direct runoff and sediment to the proposed detention ponds located at the west end of Phase II and the south end of Phase I.
5. It is the Contractor's responsibility to properly maintain all temporary erosion control facilities during the construction phase of the project.

N

1 inch = 40 ft

KEYED NOTES:

A DETENTION POND (PRIVATE)
B 6"CONCRETE HEADER CURB
C 6" CONCRETE SIDEWALK
D 8" CONCRETE SIDEWALK
E ASPHALT PAVING
F HANDICAP RAMP
G FUTURE STD. CURB AND GUTTER
H TRANSITION FROM 8" TO 6" CURB
I FUTURE EUBANK PAVING
J BERM
K 30' WIDTH ENTRANCE
L EXISTING TEMPORARY EUBANK PAVING (30' WIDTH)
M TEMPORARY ACCESS TO EXISTING PAVING
N CONSTRUCT NEW DROP INLET
O RETAINING WALL
P CONCRETE RUNDOWN
Q LANDSCAPED AREA
R FUTURE PAVED ACCESS TO ADJACENT PROPERTY
S 10" ASPHALT PATH
T OUTSIDE LIMIT OF PHASE I CONSTRUCTION
U LOADING DOCK RAMP

I, the undersigned, being a Professional Engineer in the State of New Mexico, do hereby certify that the as-built information shown hereon is based on actual field measurements and visual inspections performed by Brasher & Lorenz, Inc. I further certify that the as-built condition of the site as of July 13, 2001 is in substantial compliance with the approved Grading and Drainage Plan prepared by Brasher & Lorenz, Inc. dated 11-17-00. This certification is limited to on-site grading and drainage improvements and does not extend to the structural integrity of the materials used nor the workmanship of the Contractor. Any future modifications to the site improvements shall render this certification null and void.

Paul Brasher, NMPE 7282 Date 7.13.01

APPROVED FOR ROUGH GRADING

CITY OF ALBUQUERQUE HYDROLOGY 11-17-00 DATE

APPROVAL IS SUBJECT TO ANNEXATION

PROPERTY ADDRESS

EUBANK, SOUTH OF REASEARCH ROAD

LEGAL DESCRIPTION

N1/2 SW1/4, NW1/4
SECTION 33, T.10N., R.4E., NMPM

PROJECT BENCHMARK

"X" CHISLED ON TOP CURB, 29.0 FEET WEST OF NORTHWEST PROPERTY CORNER
Elevation = 5465.64'

SURVEY

Topographic and Field Measurements by Precision Surveys
Dated April, 2000

LEGEND

- EXISTING CONTOUR ELEVATION
- 02.5 X EXISTING SPOT ELEVATION
- 01 PROPOSED CONTOUR ELEVATION
- PROPERTY LINE
- 01.5 PROPOSED SPOT ELEVATION
- DIRECTION OF FLOW
- DRAINAGE SWALE
- DRAINAGE BASIN
- WATER BLOCK

RECEIVED
NOV 17 2000
HYDROLOGY SECTION

RECEIVED
NOV 17 2000
HYDROLOGY SECTION

APPROVED GRADING PLAN (FOR INFORMATION ONLY) SHT 3/10

654882

BRASHER & LORENZ
CONSULTING ENGINEERS
2201 San Pedro NE Building 1 Suite 220
Albuquerque, New Mexico 87110
Ph: 505-888-6088 Fax: 505-888-6188

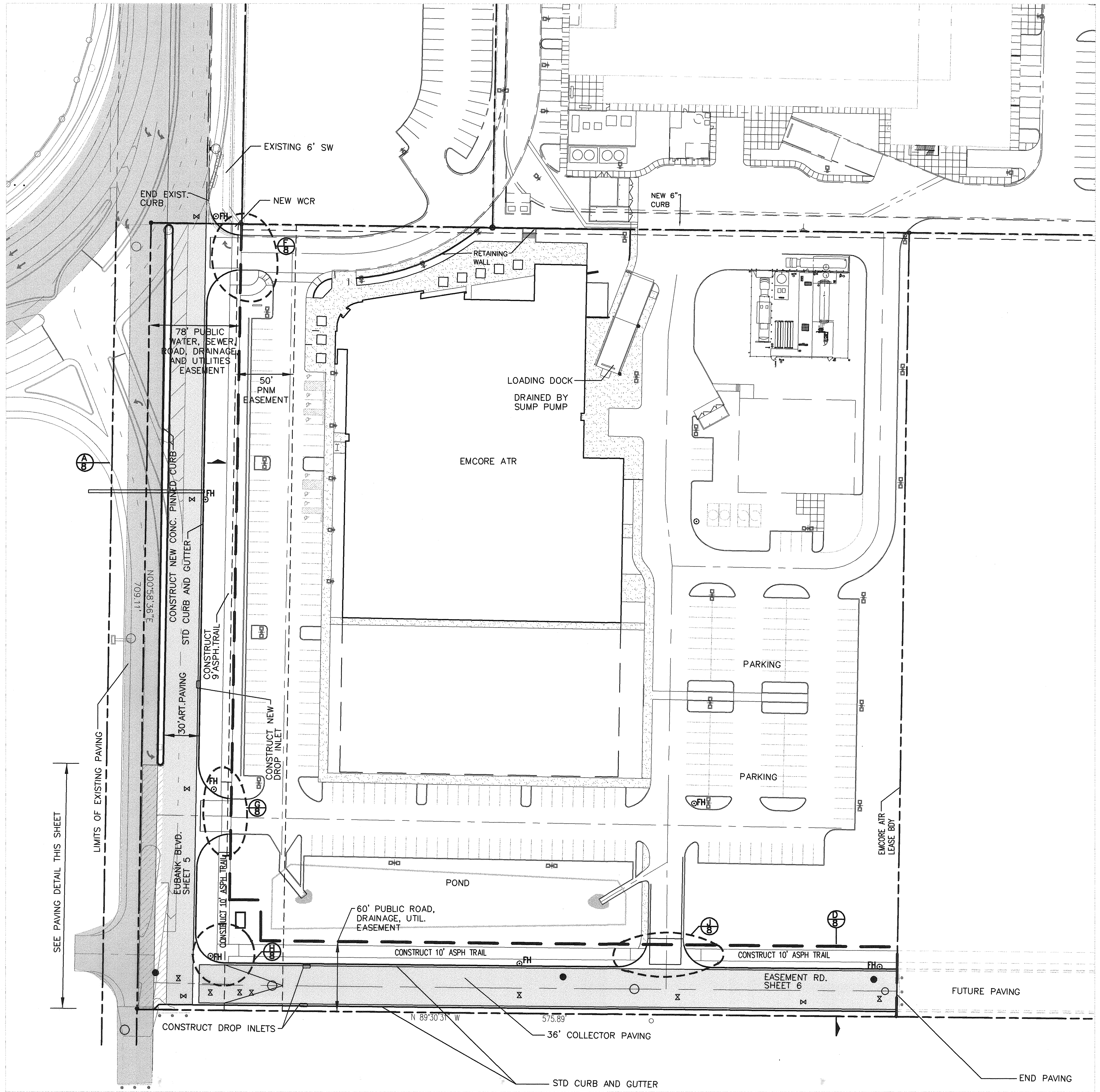
PAUL T. BRASHER NEW MEXICO 7282 REGISTERED PROFESSIONAL ENGINEER
11-17-00

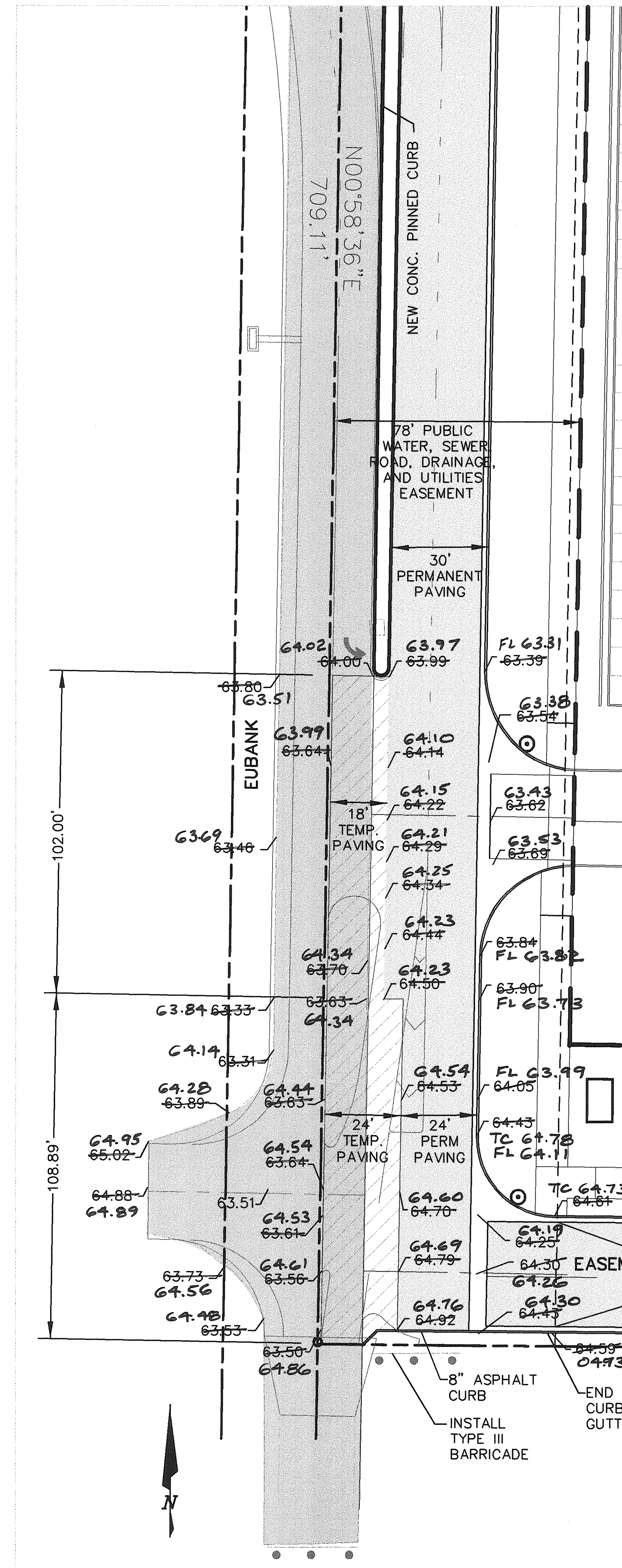
EMCORE III
ALBUQUERQUE, NEW MEXICO

GRADING AND DRAINAGE PLAN

REVISIONS

CHECKED BY: PTB
DRAWN BY:
NO.
DATE:
FILE NO:





PAVING PLAN
SCALE 1"=30'

LEGEND

6001	EXISTING CONTOUR ELEVATION
02.5 ×	EXISTING SPOT ELEVATION
01	PROPOSED CONTOUR ELEVATION
	PROPERTY LINE
01.5	PROPOSED SPOT ELEVATION
	DIRECTION OF FLOW
	DRAINAGE SWALE
	DRAINAGE BASIN DIVIDE
2	HEC 2 SECTION I.D.
	WATER BLOCK
	EXISTING STS MH
	EXISTING SAS MH
	EXISTING WATER VALVE
	EXISTING FH
	NEW PERMANENT PAVING
	EXISTING PAVING TO REMAIN
	NEW TEMP. PAVING

NOTE: PUBLIC WATER, SEWER, ROAD, DRAINAGE, AND UTILITY EASEMENT FILED 5-25-01, BOOK A-19, PG 8578

PAVING UNDER PROJECT 6548.82 CONSISTS OF:

30' PERMANENT ARTERIAL PAVING

24' TEMPORARY PAVING, AS SHOWN

STD. CURB AND GUTTER ON EAST SIDE OF EUBANK, AS SHOWN

DRIVE ENTRANCES ON EAST SIDE EUBANK, WITH CONNECTION TO EASEMENT RD (INNOVATION PARKWAY)

ASPHALT CURB IN MEDIAN OF EUBANK

PAVING IMPROVEMENTS TO EASEMENT RD. (INNOVATION PARKWAY, AS SHOWN

ALL OTHER EUBANK PAVING AND STRIPING IMPROVEMENTS SHOWN ARE FOR REFERENCE, PER CONSTRUCTION DRAWINGS FOR *G-AVENUE* IMPROVEMENTS

1 inch = 50 ft.

AS BUILT INFORMATION

CONTRACTOR AUI Alby Underground
WORK STAKED BY AUI DATE 11-02
INSPECTOR'S ACCEPTANCE BY Brasher & Lorenz Inc. DATE 2-3-03
FIELD VERIFICATION BY Brasher & Lorenz Inc. DATE 2-3-03
DRAWINGS CORRECTED BY Brasher & Lorenz Inc. DATE 2-3-03

MICRO-FILM INFORMATION

RECORDED BY City Inspector Mike Stickler DATE

BENCH MARKS

ACS 7-J20 A SQUARE CHISELED ON TOP OF THE CONCRETE BASE OF A METALLIC POWERLINE PYLON. LOCATED ALONG AN ELECTRIC POWERLINE, ABOUT 55 FT WEST OF THE CENTERLINE OF EUBANK BLVD. 0.95 MILES SOUTH OF THE INTERSECTION WITH CENTRAL AVE.
ELEVATION = 5468.80 (VERTICAL DATUM 1929)

SURVEY INFORMATION

NO.	FIELD NOTES BY	DATE

ENGINEER'S SEAL

PAUL T. BRASHER, NEW MEXICO, 7282, REGISTERED PROFESSIONAL ENGINEER
5-31-02

REVISIONS

NO.	DATE	REMARKS	BY
2	5/30/02	MODIFY STRIPING S. END EUBANK	
1	4/8/02	ADD G-AVENUE GEOMETRY TO EUBANK	

DESIGN

DESIGNED BY P.B.	DATE 5 - 2002	
DRAWN BY R.M.	DATE 5 - 2002	
CHECKED BY P.B.	DATE 5 - 2002	

BRASHER & LORENZ
CONSULTING ENGINEERS
2201 San Pedro NE Building 1 Suite 220
Albuquerque, New Mexico 87110
Ph: 505-888-6088 Fax: 505-888-6188

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

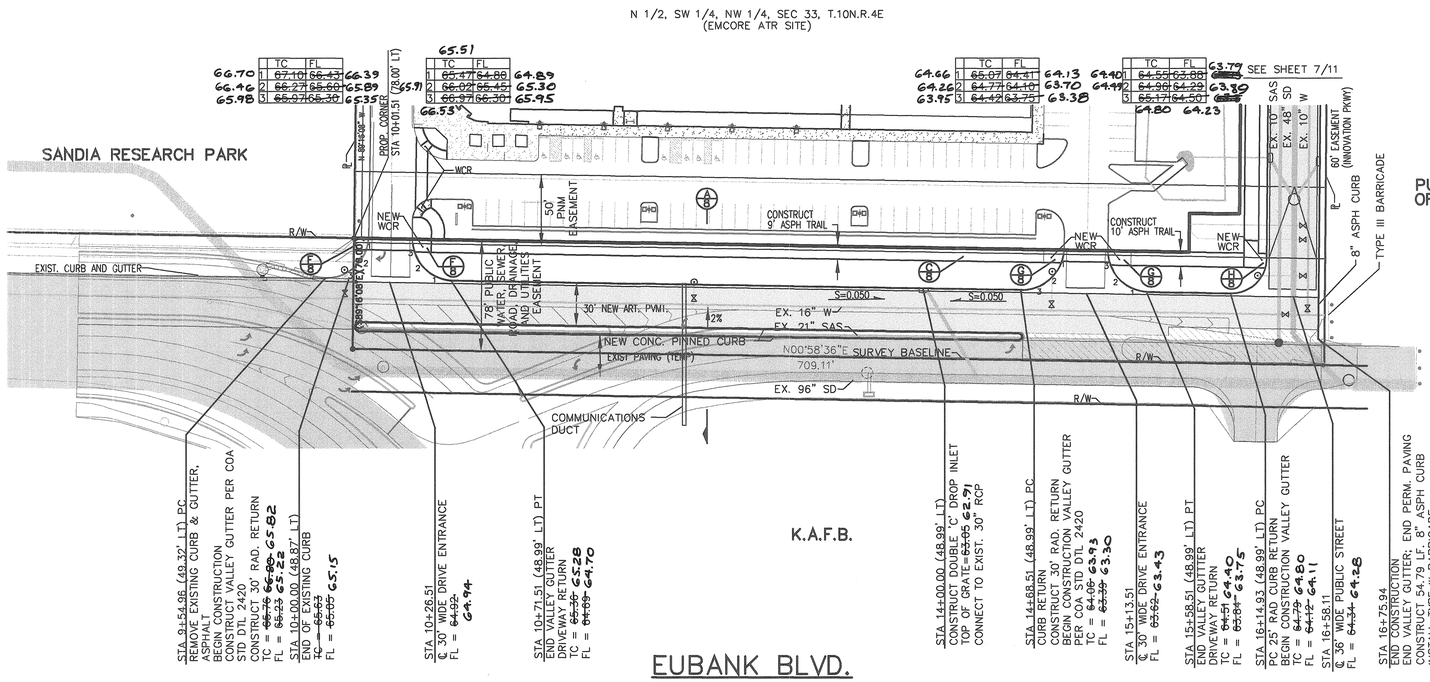
TITLE: EMCORE ATR
STREET LAYOUT

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED JUN - 6 2002 DESIGN REVIEW COMMITTEE	APPROVED CITY ENGINEER		

Last Design Update

City Project No.	Zone Map No.	Sheet	Of
6548.82	M-21	4	10

N 1/2, SW 1/4, NW 1/4, SEC 33, T.10N.R.4E
(EMCORE ATR SITE)



TC	FL		
66.70	67.10	66.43	66.39
66.46	66.27	65.60	65.89
65.98	65.97	65.30	65.35

TC	FL		
65.51			
1	65.47	64.80	64.89
2	66.02	65.45	65.30
3	66.97	66.30	65.95
66.53			

TC	FL		
64.66	65.07	64.41	64.13
64.26	64.77	64.10	63.70
63.95	64.42	63.75	63.38

TC	FL		
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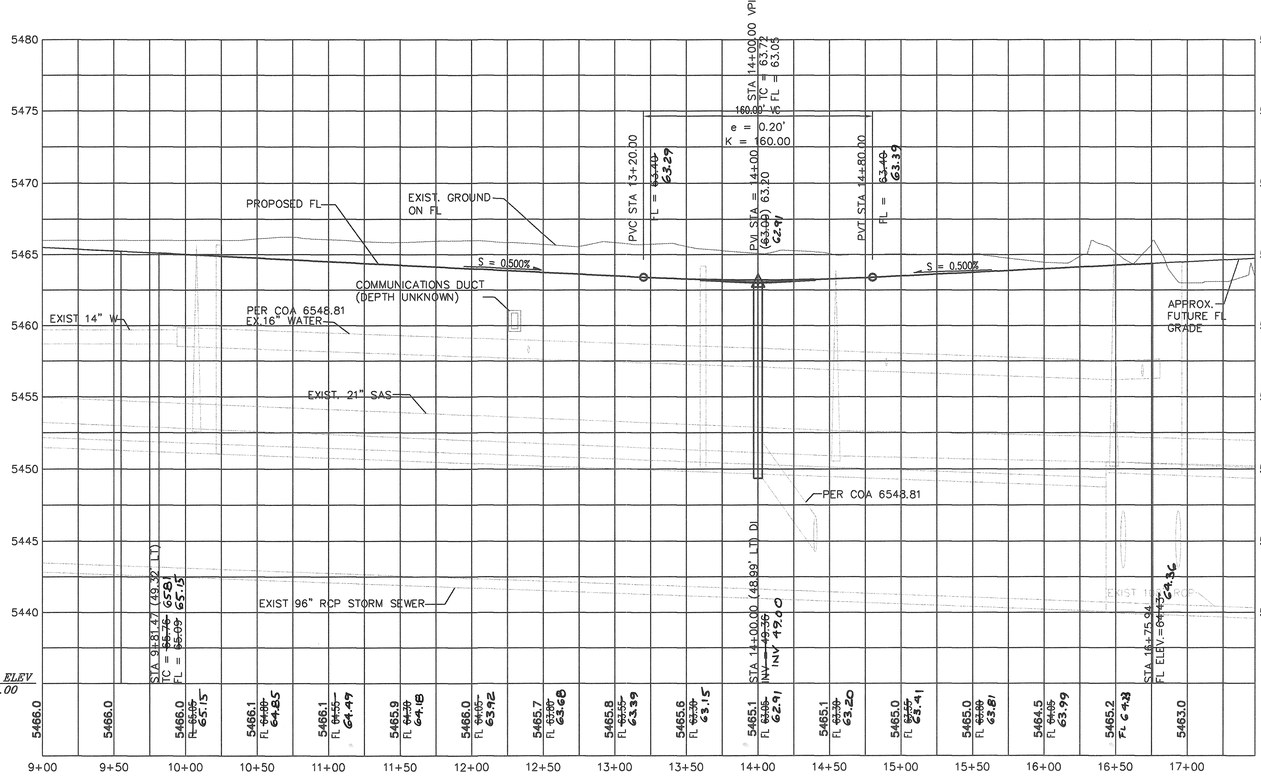
64.19	64.90	64.29	63.39
	65.17	64.50	63.69
64.80	64.23		



NOTE:
SEE SHEET 7 FOR CONCEPTUAL PROFILE OF FUTURE EXTENSION OF EUBANK PAVING

LEGEND

- EXISTING CONTOUR ELEVATION
- EXISTING SPOT ELEVATION
- PROPOSED CONTOUR ELEVATION
- PROPERTY LINE
- PROPOSED SPOT ELEVATION
- DIRECTION OF FLOW
- DRAINAGE SWALE
- DRAINAGE BASIN DIVIDE
- HEC 2 SECTION I.D.
- WATER BLOCK
- EXISTING STS MH
- EXISTING SAS MH
- EXISTING WATER VALVE
- EXISTING FH
- NEW PERMANENT PAVING
- EXISTING PAVING TO REMAIN
- NEW TEMP. PAVING

SURVEY BASELINE IS EAST R/W LINE OF EUBANK
BASIS OF BEARING IS EAST R/W LINE OF EUBANK

CONTRACTOR SHALL FIELD VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING STORM SEWER CONNECTOR LINES BEFORE CONSTRUCTING NEW DROP INLETS.

NOTE: 78' PUBLIC WATER, SEWER, DRAINAGE, ROAD, AND UTILITY EASEMENT FILED 5-25-01, BOOK A-19, PG 8578

50 0 25 50
1 inch = 50 ft.

BRASHER & LORENZ
CONSULTING ENGINEERS
2201 San Pedro NE Building 1 Suite 220
Albuquerque, New Mexico 87110
Ph: 505-888-6088 Fax: 505-888-6188

AS BUILT INFORMATION

CONTRACTOR	AUI	DATE 11-02
WORK VERIFIED BY	BRASHER & LORENZ	DATE 2-3-03
INSPECTORS ACCEPTANCE BY	BRASHER & LORENZ	DATE 2-3-03
VERIFICATION BY	BRASHER & LORENZ	DATE 2-3-03
DIGITIZED BY	BRASHER & LORENZ	DATE 2-3-03
CORRECTED BY	MICRO-FILM INFORMATION	DATE
RECORDED BY		DATE
NO.		

BENCH MARKS
ACS 7-L20 A SQUARE CHISELED ON TOP OF THE CONCRETE BASE OF A METALLIC POWERLINE PYLON. LOCATED ALONG AN ELECTRIC POWERLINE, ABOUT 55 FT WEST OF THE CENTERLINE OF EUBANK BLVD. 0.95 MILES SOUTH OF THE INTERSECTION WITH CENTRAL AVE.
ELEVATION = 5468.80 (VERTICAL DATUM 1929)

SURVEY INFORMATION
FIELD NOTES BY DATE

ENGINEER'S SEAL
PAUL T. BRASHER NEW MEXICO 7282 REGISTERED PROFESSIONAL ENGINEER
5-31-02

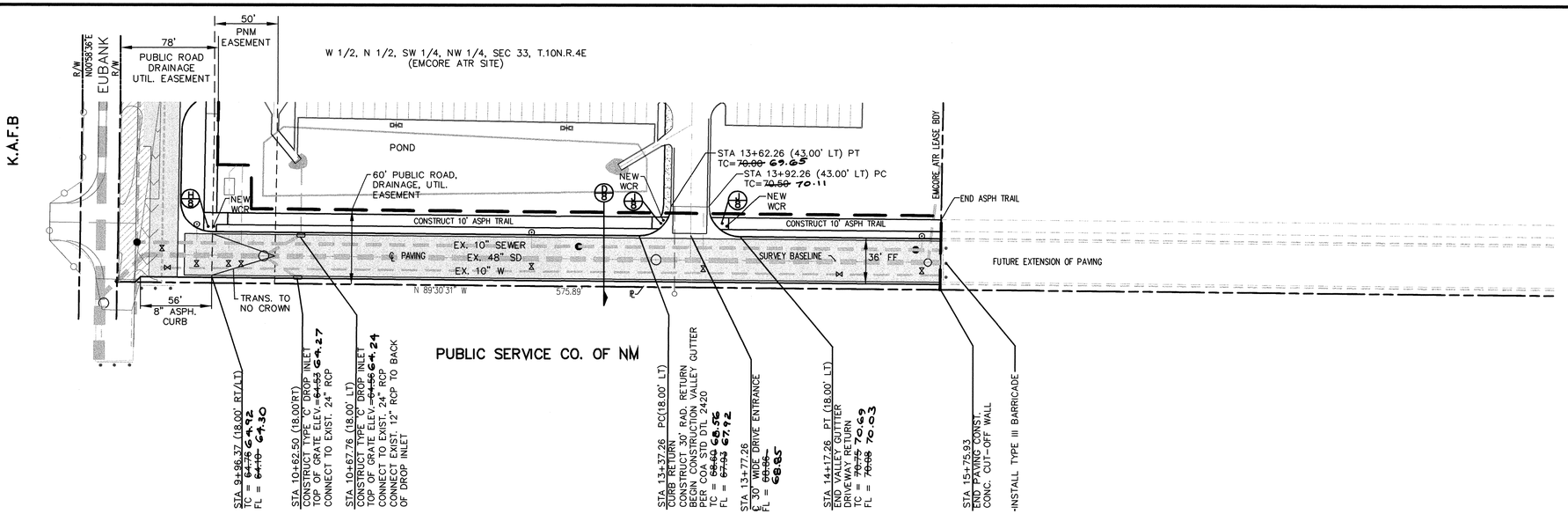
NO.	DATE	REVISIONS DESIGN	REMARKS	BY
2	5/31/02	MODIFY STRIPING S. END EUBANK		
1	4/8/02	ADD G-AVENUE GEOMETRY TO EUBANK		
DESIGNED BY	P.B.	DATE 5 - 2002		
DRAWN BY	L.A.N.	DATE 5 - 2002		
CHECKED BY	P.B.	DATE 5 - 2002		

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EMCORE ATR
EUBANK BLVD PAVING PLAN AND PROFILE

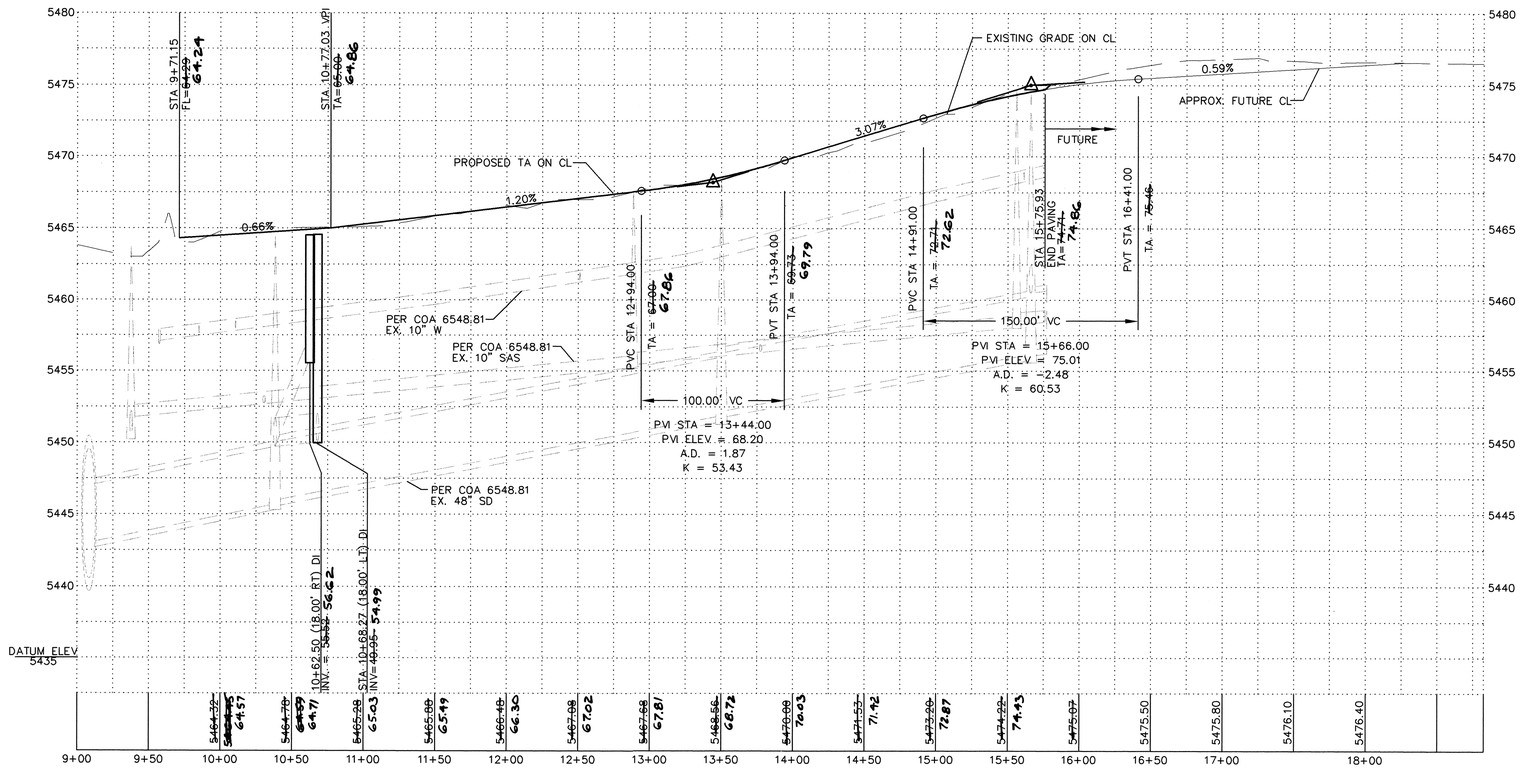
Design Review Committee: APPROVED JUN - 6 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED OCT - 3 2002 CITY ENGINEER
Last Design Update: Mo./Day/Yr.

City Project No. 6548.82
Zone Map No. M-21
Sheet 5 Of 10



EASEMENT

1" = 50' (H)
1" = 5' (V)



LEGEND

- EXISTING CONTOUR ELEVATION (6001)
- EXISTING SPOT ELEVATION (02.5 X)
- PROPOSED CONTOUR ELEVATION (01)
- PROPERTY LINE
- PROPOSED SPOT ELEVATION (01.5)
- DIRECTION OF FLOW
- DRAINAGE SWALE
- DRAINAGE BASIN DIVIDE
- HEC 2 SECTION I.D. (2)
- WATER BLOCK
- EXISTING STS MH
- EXISTING SAS MH
- EXISTING WATER VALVE
- EXISTING FH
- NEW PERMANENT PAVING
- EXISTING PAVING TO REMAIN
- NEW TEMP. PAVING

SURVEY BASELINE IS ℄ PAVING
BASIS OF BEARING IS SOUTH PL N 1/2, SW 1/4, SEC 33
T 10N R4E

CONTRACTOR SHALL FIELD VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING STORM SEWER CONNECTOR LINES BEFORE CONSTRUCTING NEW DROP INLETS.

NOTE: 60' PUBLIC WATER, SEWER, DRAINAGE, ROAD, AND UTILITY EASMENT GRANTED 05-25-01, BOOK A-19, PG 8578

N

50 0 25 50

1 inch = 50 ft.

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AS BUILT INFORMATION

CONTRACTOR AUI DATE 11/02
STAKED BY AUI DATE 11/02
INSPECTED BY BRASHER & LORENZ DATE 2/3/03
ACCEPTANCE BY BRASHER & LORENZ DATE 2/3/03
FIELD VERIFICATION BY BRASHER & LORENZ DATE 2/4/03
DRAWINGS CORRECTED BY BRASHER & LORENZ DATE 2/4/03
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
MCS 7-H20 A SQUARE CHISELED ON TOP OF THE CONCRETE BASE OF A METALLIC POWERLINE PYLON, LOCATED ALONG AN ELECTRIC POWERLINE, ABOUT 55 FT WEST OF THE CENTERLINE OF EUBANK BLVD., 0.95 MILES SOUTH OF THE INTERSECTION WITH CENTRAL AVE.
ELEVATION = 5468.80 (VERTICAL DATUM 1929)

SURVEY INFORMATION
FIELD NOTES

NO.	DATE	BY

ENGINEER'S SEAL
NEW MEXICO 7282 REGISTERED PROFESSIONAL ENGINEER
PAUL T. BRASHER
12-15-02

NO.	DATE	REMARKS	BY
1	4/8/02	ADD G-AVENUE GEOMETRY	
2	5/31/02	MODIFY STRIPING S. END EUBANK	

REVISIONS
DESIGN
DESIGNED BY P.B. DATE 5 - 2002
DRAWN BY L.A.N. DATE 5 - 2002
CHECKED BY P.B. DATE 5 - 2002

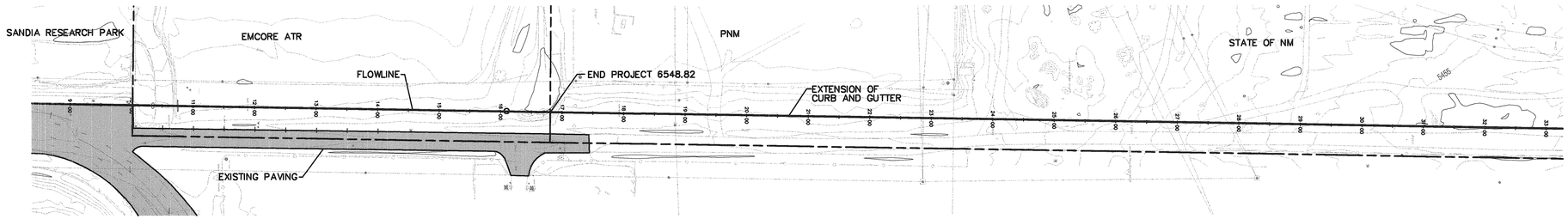
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EMCORE ATR
EASEMENT PAVING PLAN AND PROFILE

Design Review Committee: APPROVED JUN - 6 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED OCT - 3 2002 CITY ENGINEER
Last Design Update: Mo./Day/Yr. / Mo./Day/Yr.

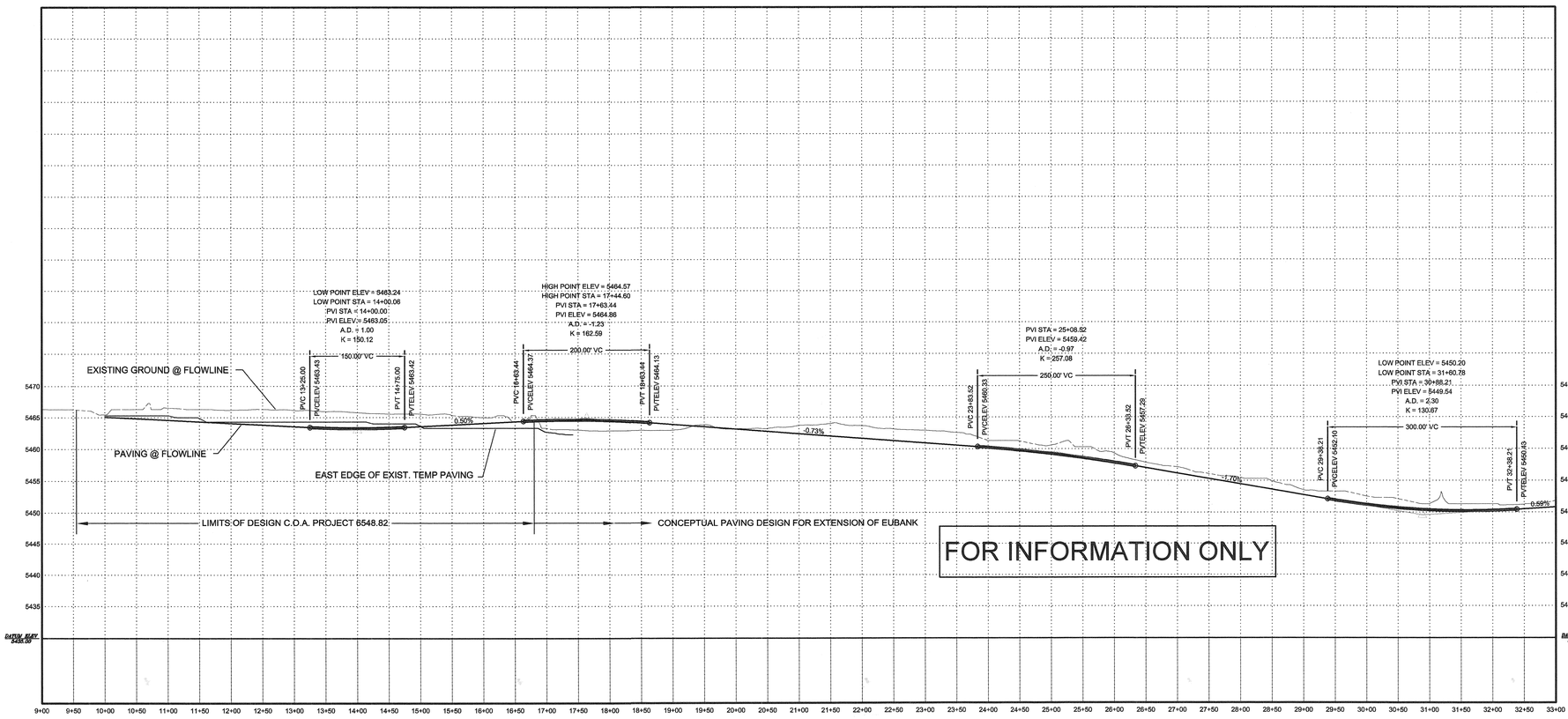
City Project No. 6548.82 | Zone Map No. M-21 | Sheet 6 Of 10

FOR INFORMATION ONLY



EUBANK BLVD.

1" = 100' (H)
1" = 10' (V)



FOR INFORMATION ONLY

LEGEND

- EXISTING CONTOUR ELEVATION (6001)
- EXISTING SPOT ELEVATION (02.5)
- PROPOSED CONTOUR ELEVATION (01)
- PROPERTY LINE
- PROPOSED SPOT ELEVATION (01.5)
- DIRECTION OF FLOW
- DRAINAGE SWALE
- DRAINAGE BASIN DIVIDE
- HEC 2 SECTION I.D. (2)
- WATER BLOCK
- EXISTING PAVING
- EXISTING STS MH
- EXISTING SAS MH
- EXISTING WATER VALVE
- EXISTING FH

AS BUILT INFORMATION

CONTRACTOR AUI DATE n/a
STAKED BY
INSPECTIONS
WORK ACCEPTANCE BY Brasher & Lorenz DATE 2-3-03
FIRST CERTIFICATION BY Brasher & Lorenz DATE 2-3-03
DRAWINGS CORRECTED BY Brasher & Lorenz DATE 2-3-03
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

ACS 7-L20 A SQUARE CHISELED ON TOP OF THE CONCRETE BASE OF A METALLIC POWERLINE PYLON. LOCATED ALONG AN ELECTRIC POWERLINE, ABOUT 55 FT WEST OF THE CENTERLINE OF EUBANK BLVD. 0.95 MILES SOUTH OF THE INTERSECTION WITH CENTRAL AVE.
ELEVATION = 5468.80 - VERT. DATUM 1929

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

PAUL T. BRASHER NEW MEXICO 7289 REGISTERED PROFESSIONAL ENGINEER
7-9-04

N

100 0 50 100
1 inch = 100 ft.

NO.	DATE	REMARKS	BY
1	4/8/02	ADD VERT. DATUM TO BENCHMARK	
		REVISIONS	
		DESIGN	

DESIGNED BY P.B. DATE 11-2000
DRAWN BY L.A.N. DATE 11-2000
CHECKED BY P.B. DATE 11-2000

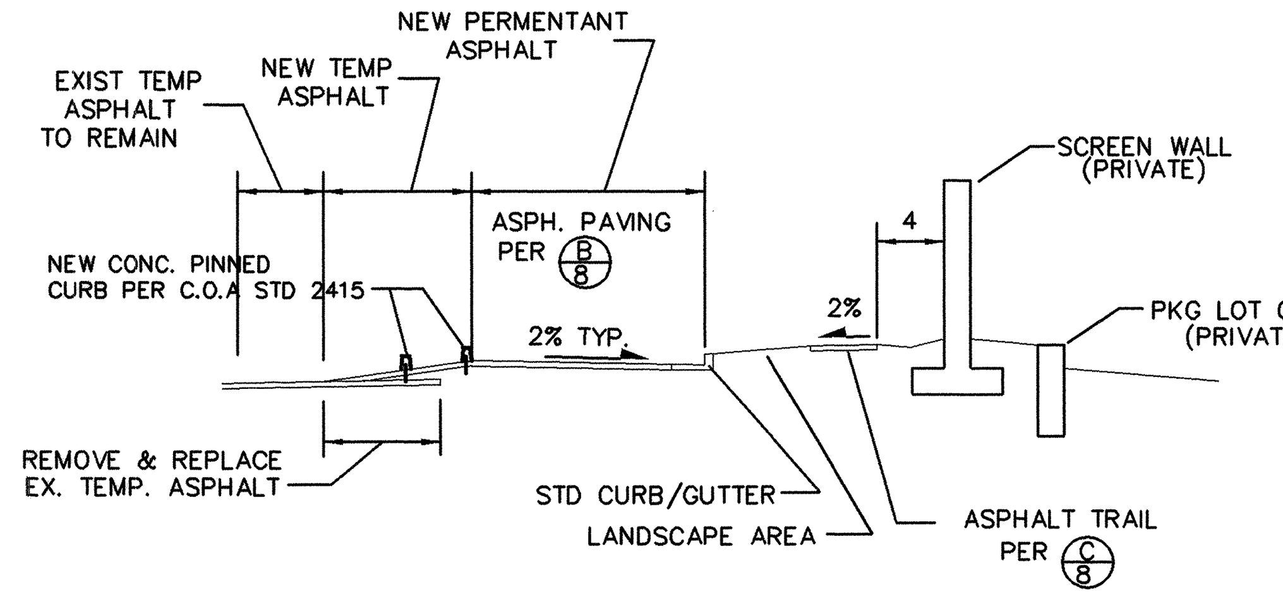
BRASHER & LORENZ
CONSULTING ENGINEERS
2201 San Pedro NE Building 1 Suite 220
Albuquerque, New Mexico 87110
Ph: 505-888-6088 Fax: 505-888-6188

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

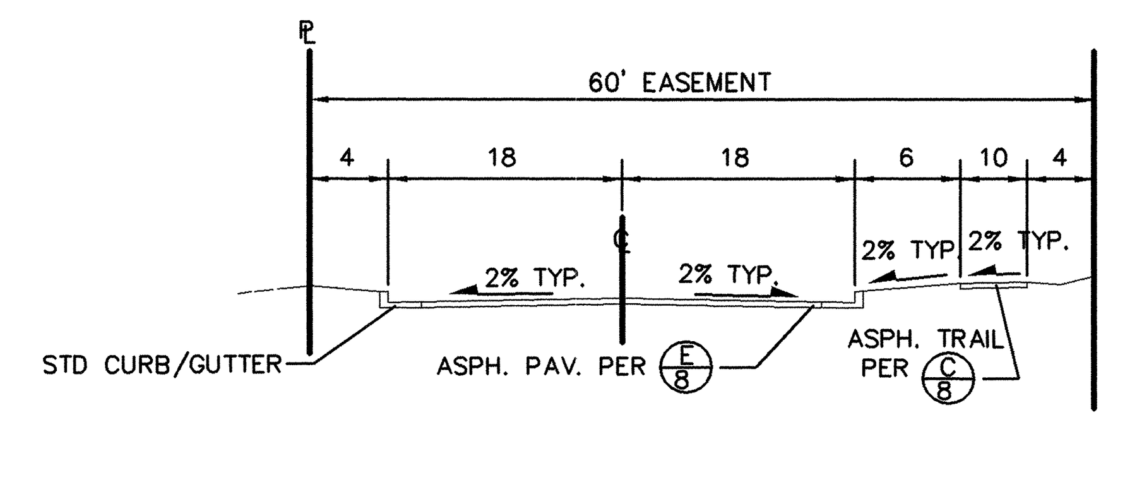
TITLE: EMCORE ATR
EUBANK CONCEPTUAL FUTURE PROFILE

Design Review Committee: APPROVED JUN - 6 2002 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED OCT - 3 2002 CITY ENGINEER
Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

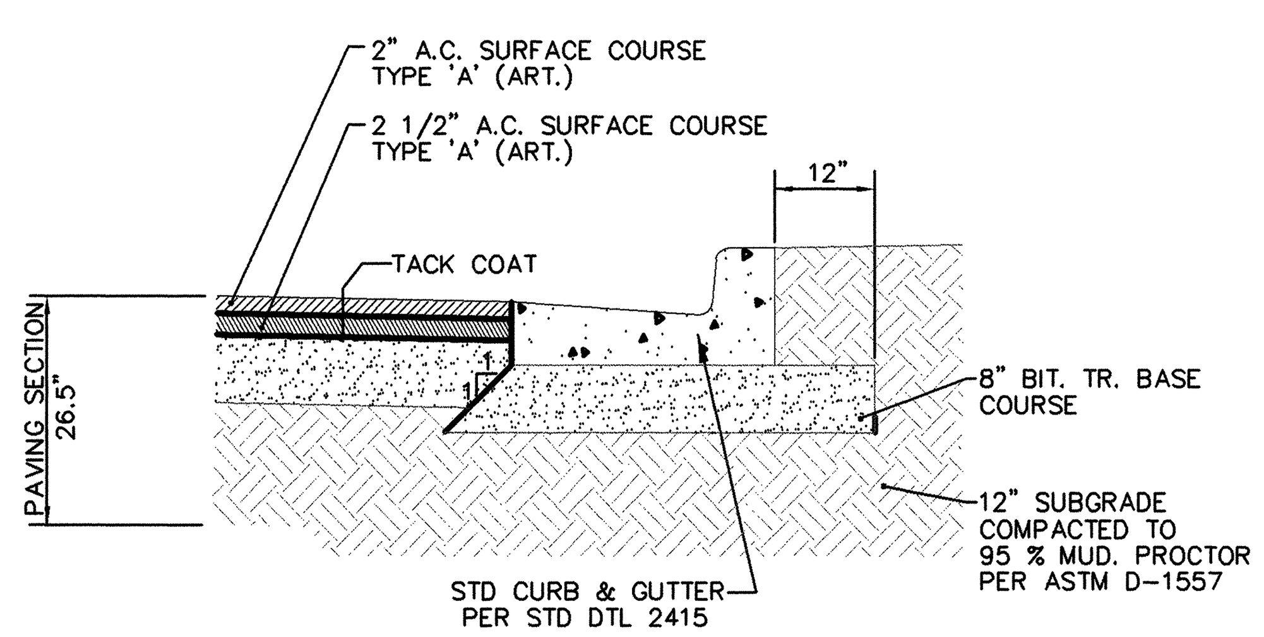
City Project No. 6548.82 | Zone Map No. M-21 | Sheet 7 Of 10



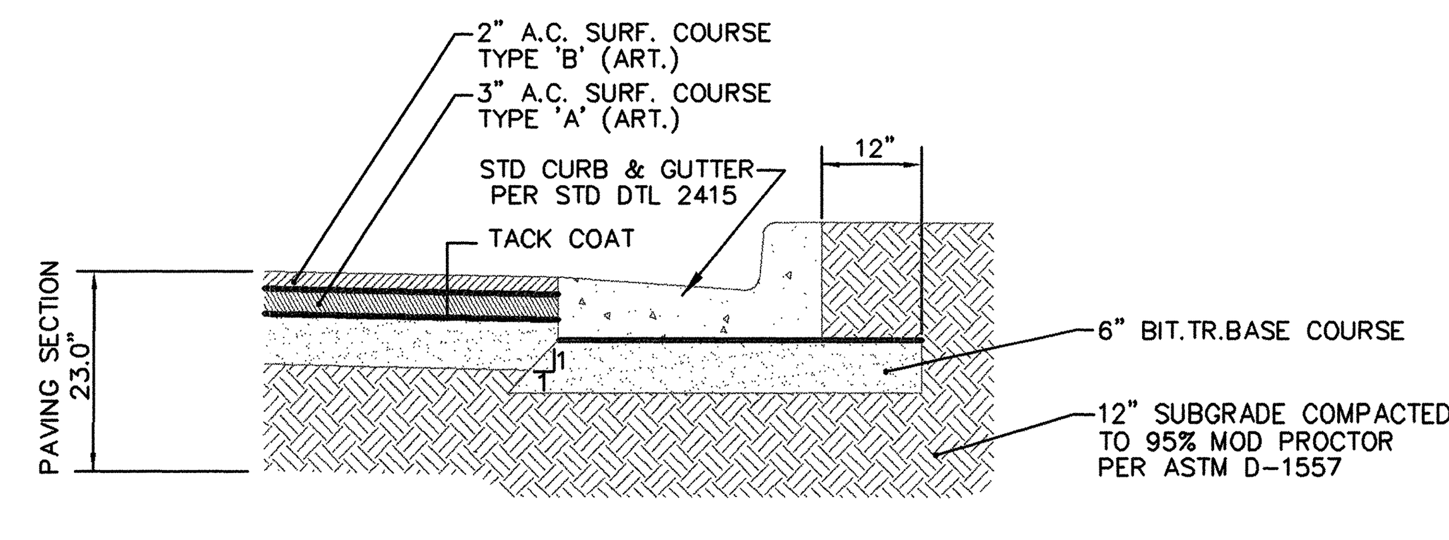
EUBANK STREET SECTION (A/8)
NTS



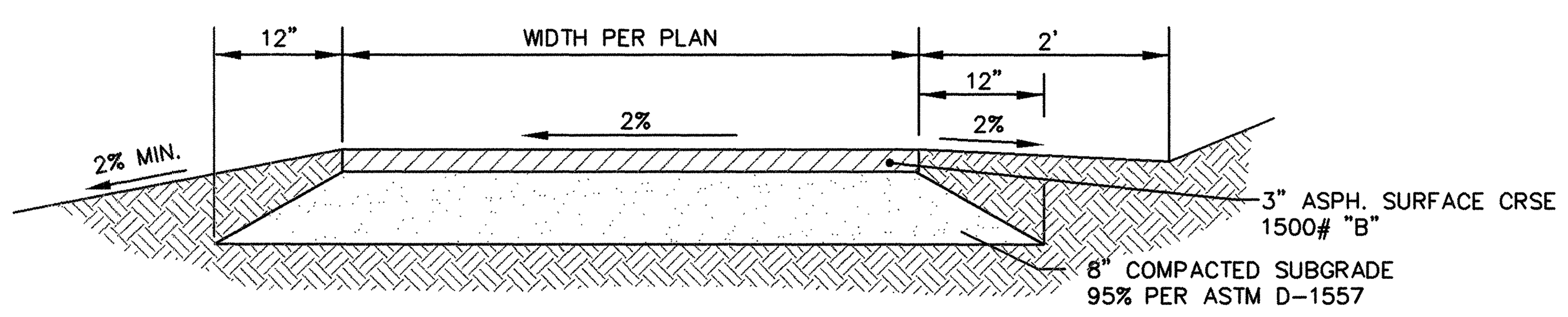
EASEMENT STREET SECTION (D/8)
NTS



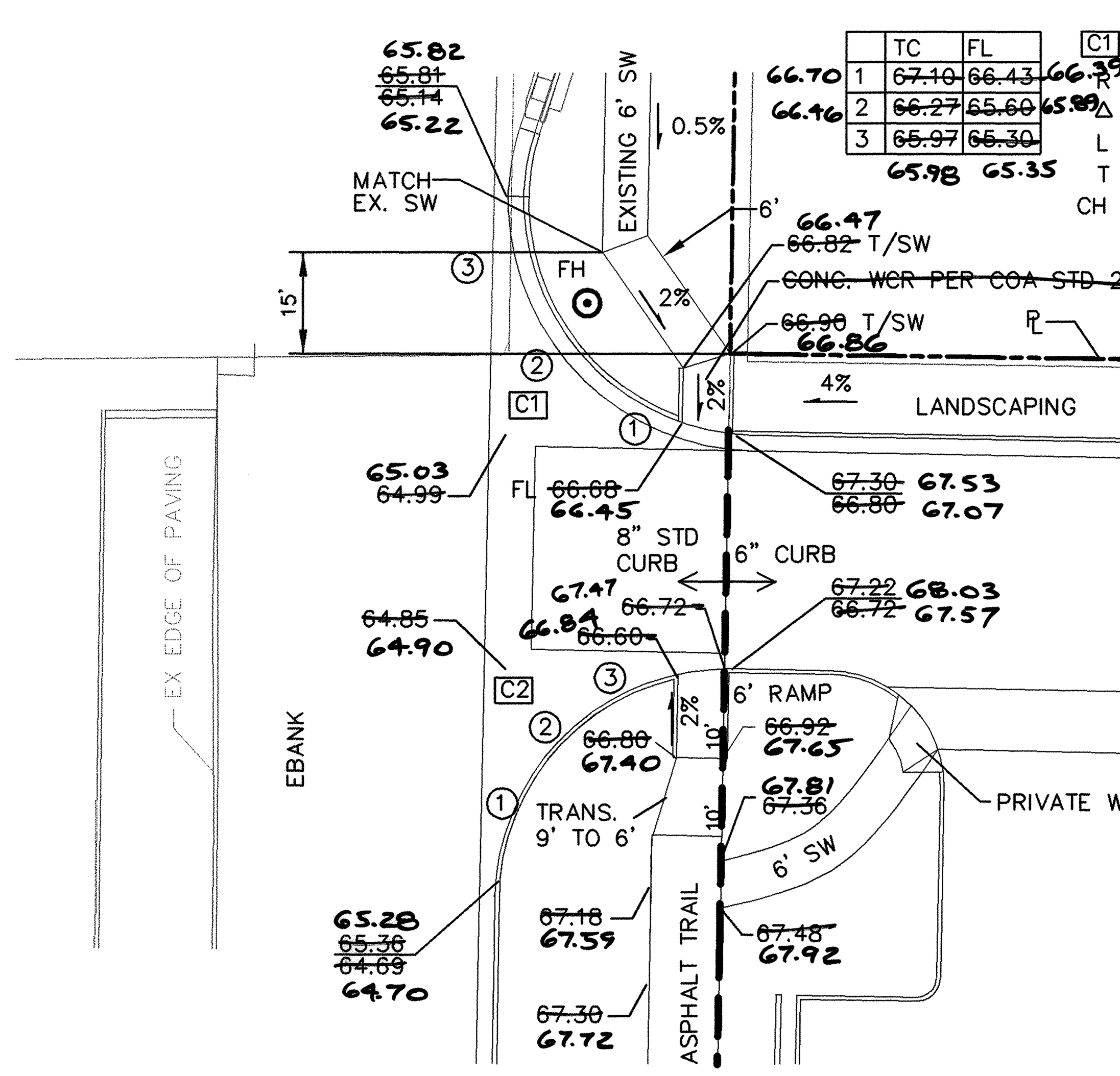
EUBANK PAVEMENT SECTION (B/8)
NTS



EASEMENT PAVEMENT SECTION (E/8)
NTS



TRAIL PAVEMENT SECTION (C/8)
NTS



C1

	TC	FL
1	67.10	66.43
2	66.27	65.60
3	65.97	65.30

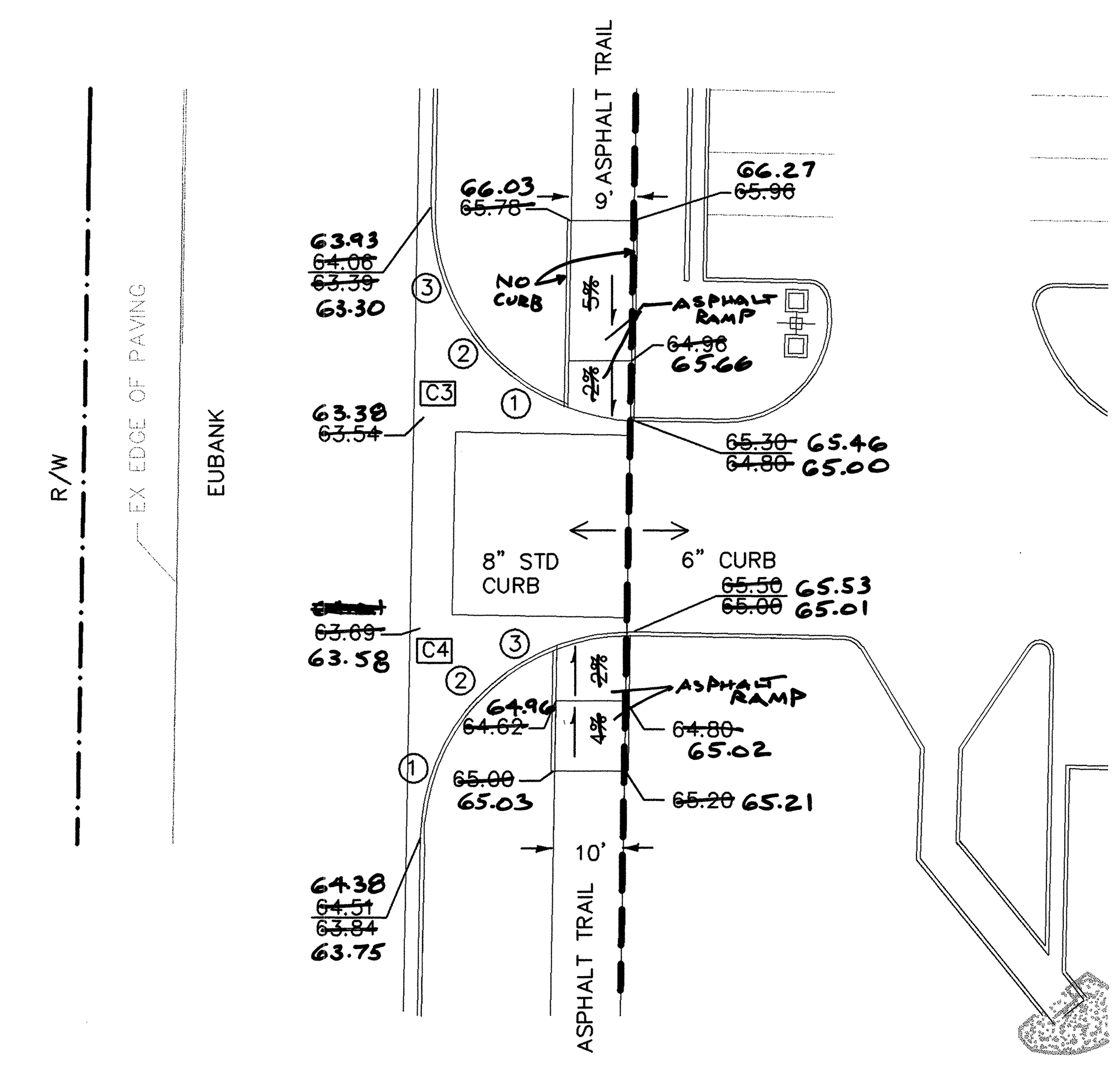
R = 30.00'
Δ = 90°04'21"
L = 47.16'
T = 30.04'
CH = 42.45'

C2

	TC	FL
1	65.47	64.80
2	66.02	65.45
3	66.97	66.30

R = 30.00'
Δ = 90°00'00"
L = 47.12'
T = 30.00'
CH = 42.43'

WHEELCHAIR RAMP DETAIL (F/8)
1" = 20'



C3

	TC	FL
1	65.07	64.41
2	64.77	64.10
3	64.42	63.75

R = 30.00'
Δ = 90°00'00"
L = 47.12'
T = 30.00'
CH = 42.43'

C4

	TC	FL
1	64.55	63.88
2	64.96	64.29
3	65.17	64.50

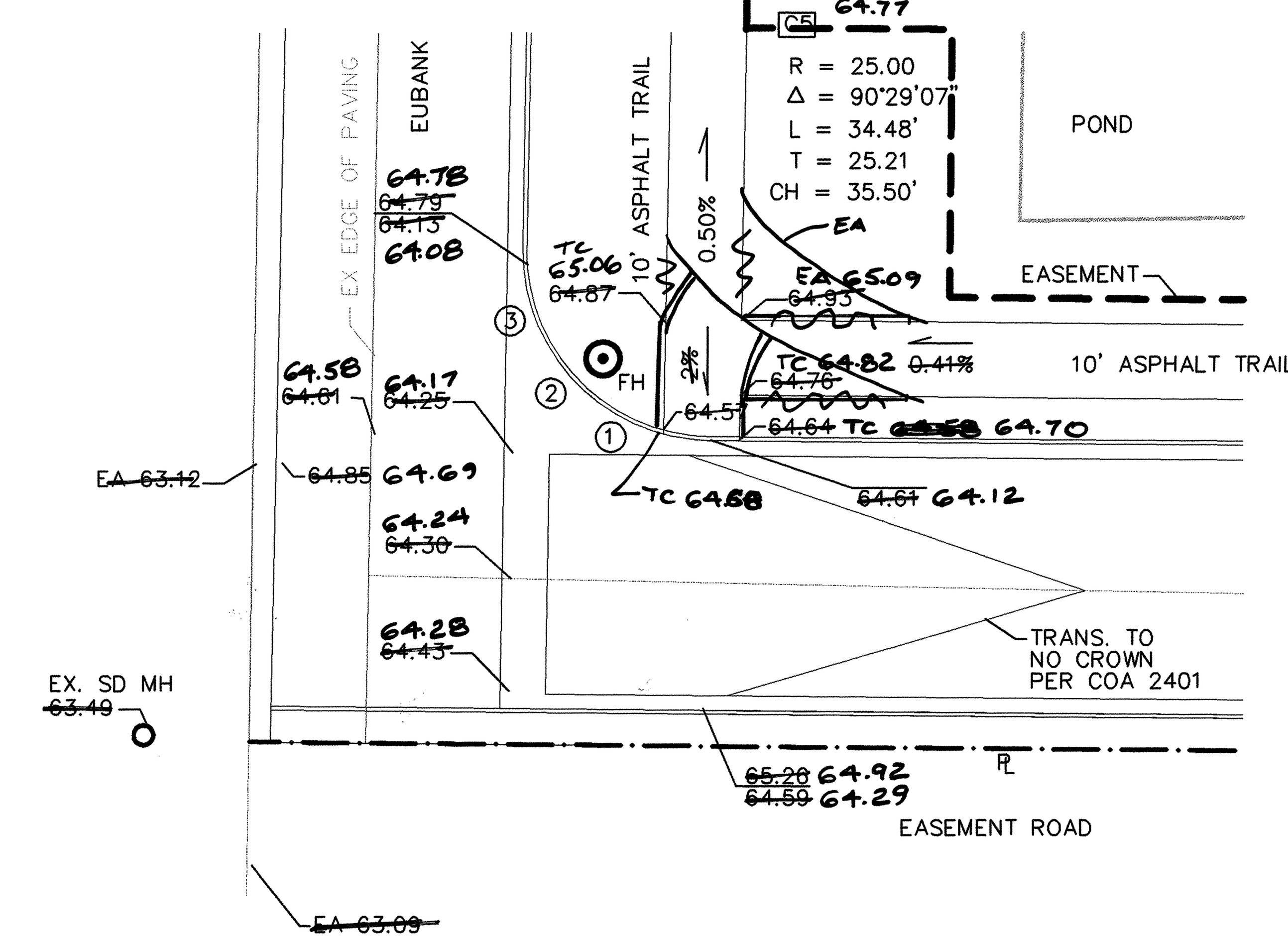
R = 30.00'
Δ = 90°00'00"
L = 47.12'
T = 30.00'
CH = 42.43'

WHEELCHAIR RAMP DETAIL (G/8)
1" = 20'

C5

	TC	FL
1	65.01	64.34
2	64.94	64.27
3	64.87	64.20

R = 25.00
Δ = 90°29'07"
L = 34.48'
T = 25.21
CH = 35.50'



WHEELCHAIR RAMP DETAIL (H/8)
1" = 20'

C6

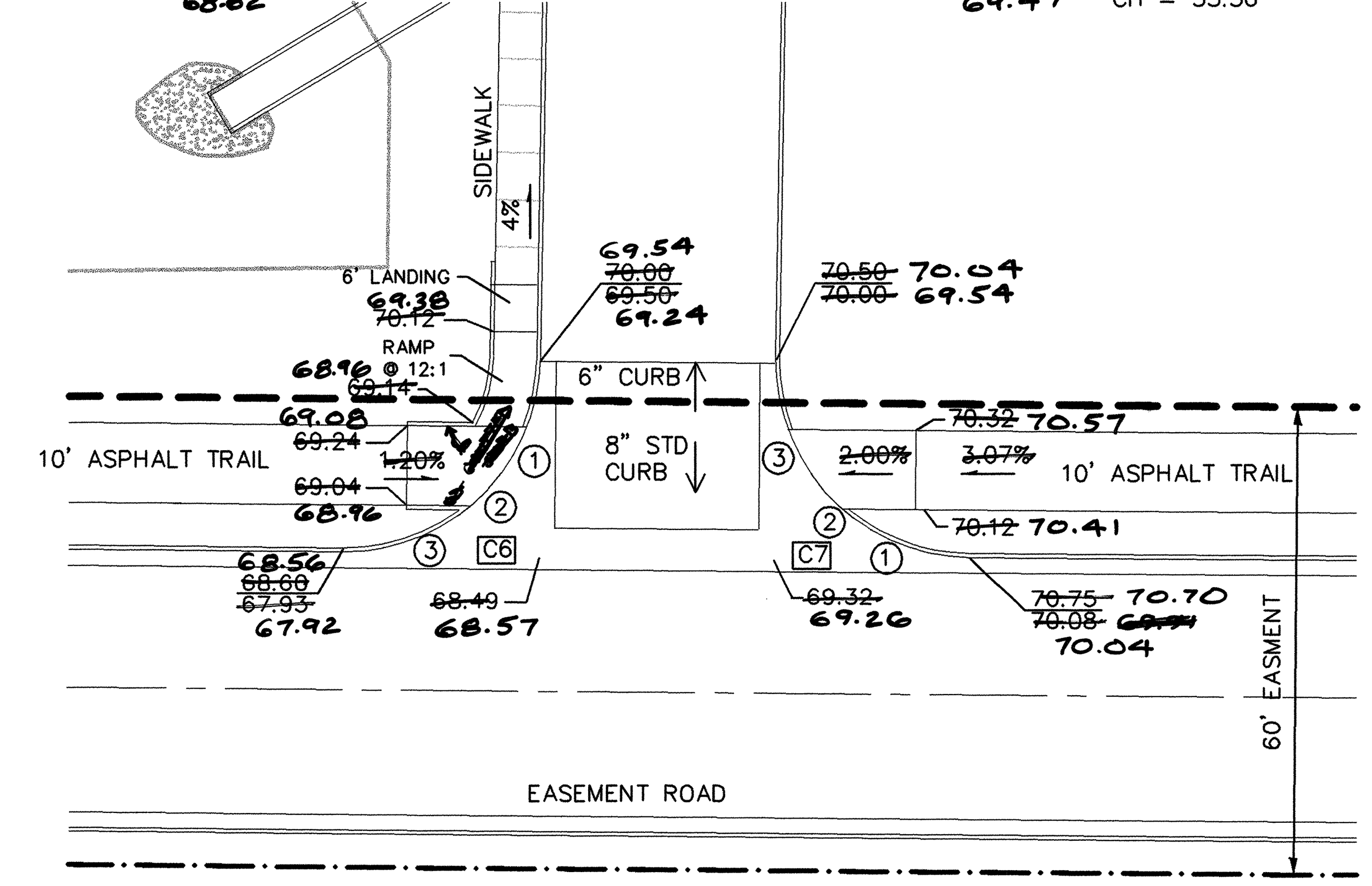
	TC	FL
1	69.72	69.05
2	–	68.85
3	68.99	68.39

R = 25.00
Δ = 90°00'00"
L = 39.27'
T = 25.00'
CH = 35.36'

C7

	TC	FL
1	70.73	70.08
2	–	69.82
3	70.69	70.02

R = 25.00
Δ = 90°00'00"
L = 39.27'
T = 25.00'
CH = 35.36'



WHEELCHAIR RAMP DETAIL (J/8)
1" = 20'

AS BUILT INFORMATION
CONTRACTOR AUI
WORK STAKED BY — DATE 11-02
INSPECTOR'S ACCEPTANCE BY — DATE 2-3-03
FIELD VERIFICATION BY — DATE 2-3-03
DRAWINGS CORRECTED BY — DATE 2-3-03

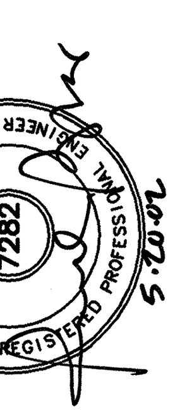
MICRO-FILM INFORMATION
RECORDED BY — DATE — NO.

BENCH MARKS
ACS 7-L20 A SQUARE CHISELED ON TOP OF THE CONCRETE BASE OF A METALLIC POWERLINE PYLON. LOCATED ALONG AN ELECTRIC POWERLINE, ABOUT 55 FT WEST OF THE CENTERLINE OF EUBANK BLVD. 0.95 MILES SOUTH OF THE INTERSECTION WITH CENTRAL AVE.
ELEVATION = 5468.80 (VERTICAL DATUM 1929)

SURVEY INFORMATION

NO.	FIELD NOTES BY	DATE

ENGINEER'S SEAL



REVISIONS

NO.	DATE	REMARKS	BY
1	4/8/02	ADD SLOPE INFO TO WCR'S	

DESIGN
DESIGNED BY P.T.B DATE 06-2001
DRAWN BY R.M DATE 06-2001
CHECKED BY P.T.B DATE 06-2001

BRASHER & LORENZ
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Ph: 505-888-6088 Fax: 505-888-6188

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EMCORE ATR
STREET PAVING DETAILS

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED JUN - 6 2002 DESIGN REVIEW COMMITTEE	APPROVED OCT - 3 2002 CITY ENGINEER		

Last Design Update

City Project No.	Zone Map No.	Sheet	Of
6548.82	M-21	8	10

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 SEPARATE 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 MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES 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 7:00 A.M. OR END WORK AFTER 7:00 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 TRAVELLED 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.

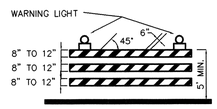
22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
    1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
    2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
    3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS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

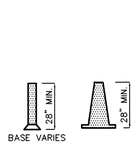
24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO IT'S PLACEMENT AND MAINTENANCE.

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

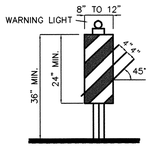
26. ADVANCE WARNING SIGNS SHALL BE 36"x36" WITH SUPER ENGINEERING GRADE SHEETING OR BETTER.



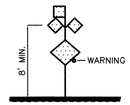
TYPE III BARRICADE



CONES



VERTICAL PANEL

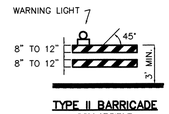


HIGH LEVEL WARNING DEVICE

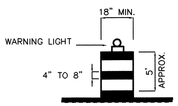
LEGEND

▨	WORK AREA
•	BARRICADE – TYPE I, TYPE II, OR BARREL
⊥	BARRICADE – TYPE III
x	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 SPEED LIMIT OF THE STREET
L	TAPER LENGTH – SEE CHART BELOW

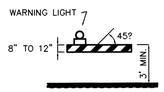
THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.



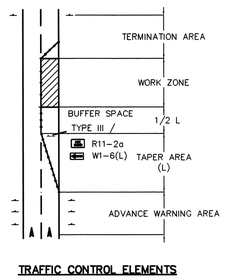
TYPE II BARRICADE
COLLAPSIBLE



BARREL



TYPE I BARRICADE
COLLAPSIBLE



TRAFFIC CONTROL ELEMENTS

TAPER REQUIREMENTS

SPEED LIMIT (MPH)	TAPER LENGTH (L) (FEET) 10' LANE	11' LANE	12' LANE	MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM DEVICE SPACING IN FEET ALONG TAPER	AFTER 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(D) 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

TAPER CRITERIA

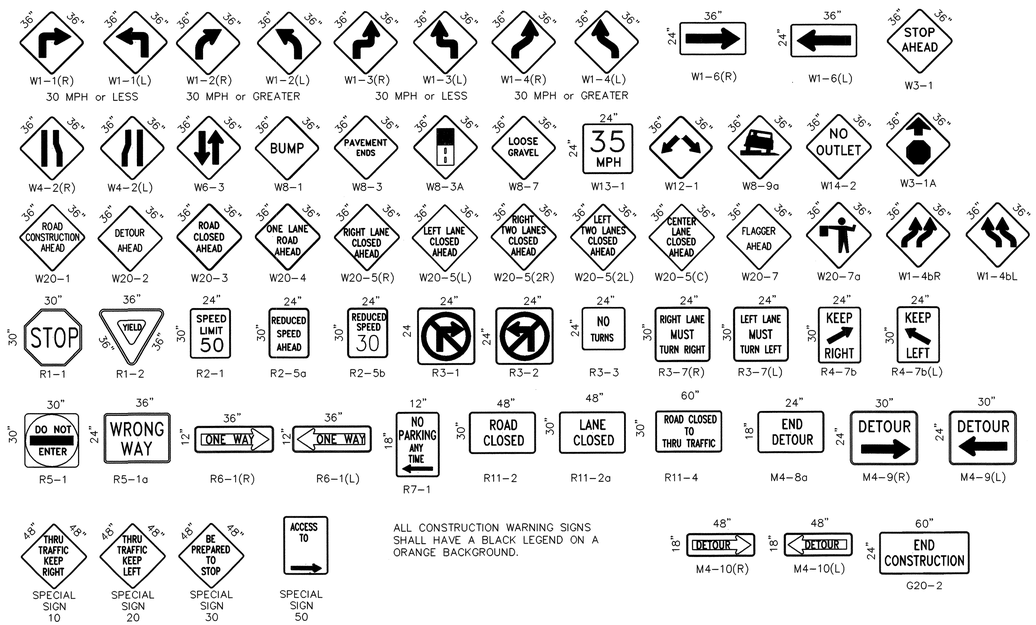
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

SPEED LIMIT	
40 MPH OR LESS	$L = \frac{WS^2}{60}$
45 MPH OR GREATER	L = W x S

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

SIGN FACE DETAILS



ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

AS BUILT INFORMATION

BENCH MARKS
NM 448-NIA
ACS BRASS CAP IN MONUMENT BOX. LOCATED 7.6' SOUTH 8, 4.6' WEST OF COORS BLVD. MEDIAN NOSE ON THE NORTH SIDE OF THE COORS BLVD./ CENTRAL AVE. INTERSECTION

	DATE
CONTRACTOR	
WORK STAKED BY	
INSPECTORS ACCEPTANCE BY	
FIELD VERIFICATION BY	
DRAWING CHECKED BY	
MICRO-FILM INFORMATION RECORDED BY	

NO.	DATE	SURVEY INFORMATION FIELD NOTES BY

ENGINEER'S SEAL

COA STD

NO.	DATE	REMARKS BY	REVISIONS DESIGN
			DESIGNED BY DATE
			DRAWN BY C.O.A. STANDARDS DATE
			CHECKED BY DATE

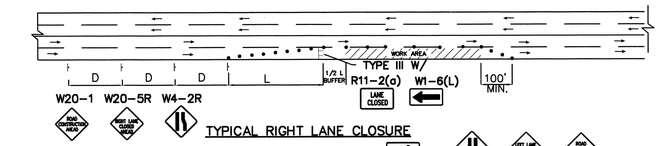
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EMCORE ATR
TRAFFIC CONRTOL DETAILS

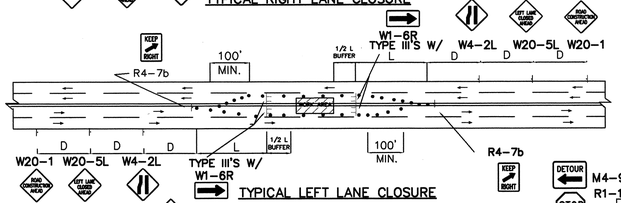
DESIGN REVIEW COMMITEE	CITY ENGINEER APPROVAL	LAST UPDATE	MO./DAY/YR.	MO./DAY/YR.
COA	STD			

PROJECT NO. 654882 | MAP NO. M-21 | SHEET 9 OF 10

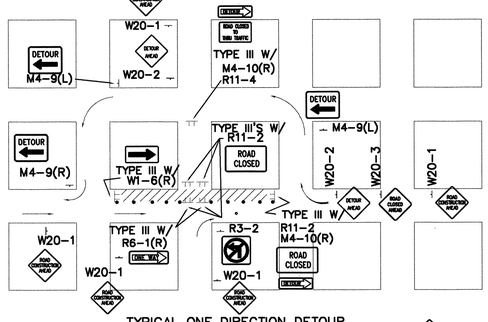
TRAFF-1.DWG



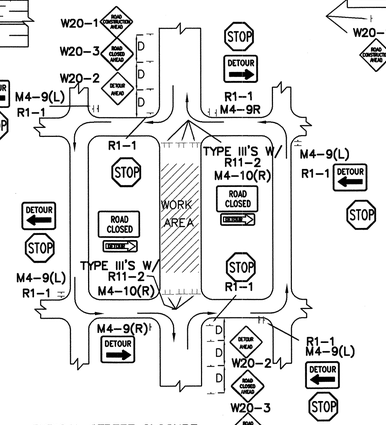
TYPICAL RIGHT LANE CLOSURE



TYPICAL LEFT LANE CLOSURE

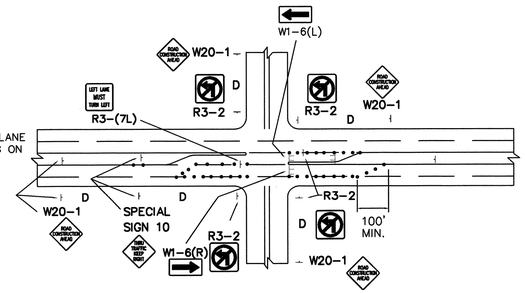


TYPICAL ONE DIRECTION DETOUR



TYPICAL STREET CLOSURE

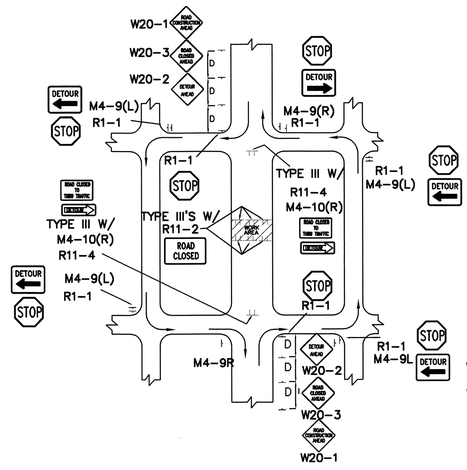
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



NOTE:
MAY REQUIRE LEFT LANE CLOSURE DEPENDING ON FIELD CONDITIONS.

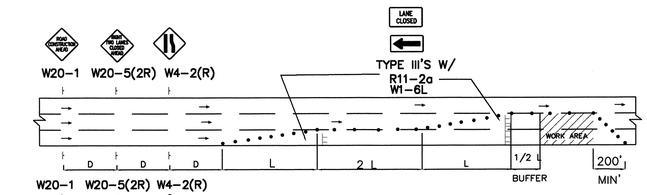
TYPICAL LANE CLOSURE AT INTERSECTION

NOTE: DEPENDING ON WORK ZONE LOCATION

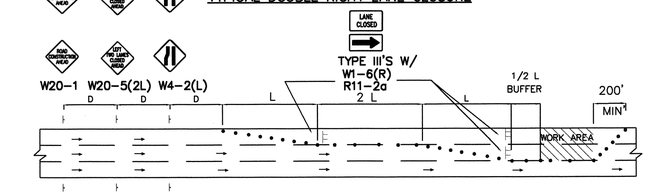


TYPICAL MID-BLOCK CLOSURE

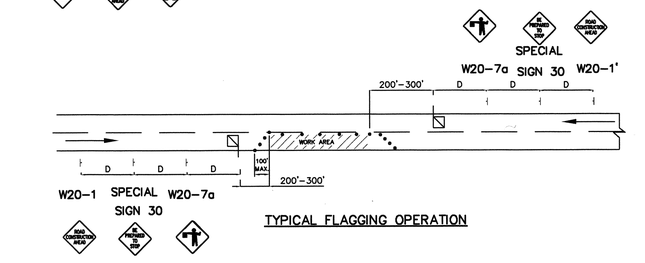
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



TYPICAL DOUBLE RIGHT LANE CLOSURE

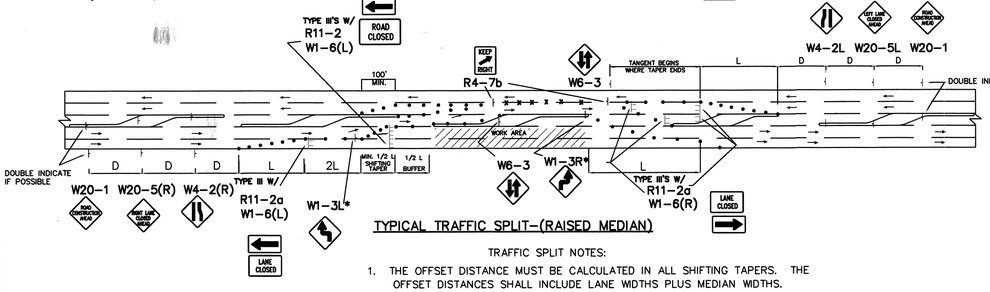


TYPICAL DOUBLE LEFT LANE CLOSURE



TYPICAL FLAGGING OPERATION

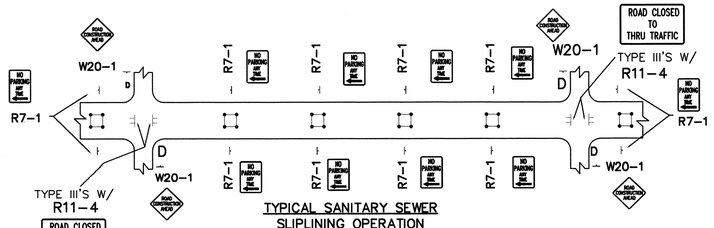
TYPICAL TRAFFIC SPLIT-(PAINTED MEDIAN)



TYPICAL TRAFFIC SPLIT-(RAISED MEDIAN)

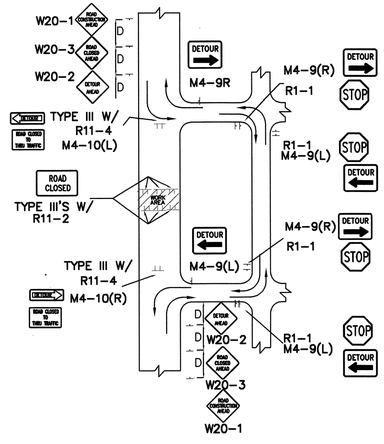
TRAFFIC SPLIT NOTES:

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



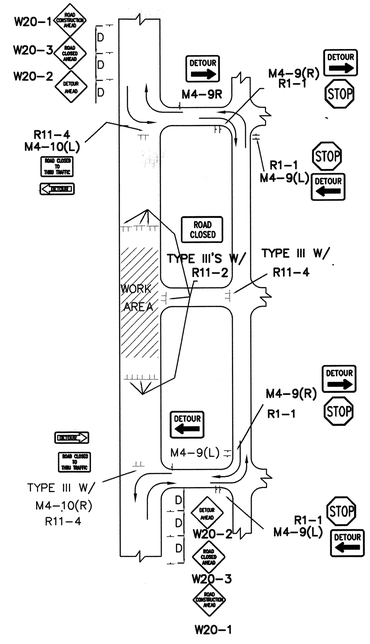
TYPICAL SANITARY SEWER SLIPLINING OPERATION

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



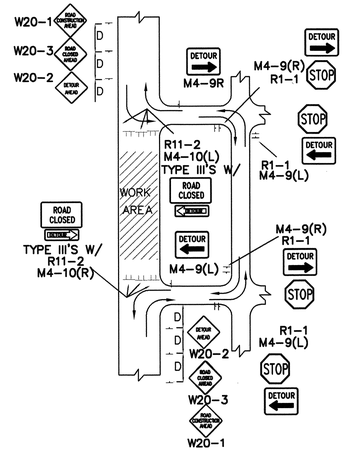
TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.



TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.



TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.

GENERAL NOTE:

ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF FORTY EIGHT (48) INCHES BY FORTY EIGHT (48) INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.

AS BUILT INFORMATION

	DATE
CONTRACTOR	
STAKED BY	
INSPECTOR'S COPY RECEIVED BY	
FIELD VERIFICATION BY	
DRAWINGS CORRECTED BY	

MICRO-FILM INFORMATION

	DATE
RECORDED BY	
NO.	

SURVEY INFORMATION

NO.	FIELD NOTES BY	DATE

BENCH MARKS

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN	
DESIGNED BY	DATE
C.O.A. STANDARDS	DATE
DRAWN BY	DATE
CHECKED BY	

ENGINEER'S SEAL

COA STD

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

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

DESIGN REVIEW COMMITEE	CITY ENGINEER APPROVAL	LAST UPDATE	MO./DAY/YR.	MO./DAY/YR.
COA	STD			

PROJECT NO.	MAP NO.	SHEET	OF
654882	M-21	10	10

FRAEF-2.DWG