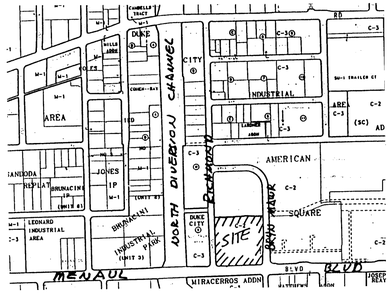
CONSTRUCTION PLANS

FOR

AMERICAN SQUARE - J.C. PENNEY

UTILITY IMPROVEMENTS AND OFF-SITE IMPROVEMENTS

ALBUQUERQUE, NEW MEXICO



VICINITY MAP — ZONE ATLAS H-16-Z

SCALE: NONE

GENERAL NOTES

NOTICE TO CONTRACTORS

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".
2. TWO 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. THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION CO-ORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION CO-ORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. SEE SECTION 19 OF THE SPECIFICATIONS.
6. ALL STREET STRIPING/REFLECTORIZED PAVEMENT MARKINGS ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC BY CONTRACTOR IN EXISTING OR NEW LOCATION AS INDICATED BY THIS SET.
7. THE 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.
8. ANY WORK OCCURRING WITHIN AN ARTERIAL ROADWAY REQUIRES 24 HOURS CONSTRUCTION.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
2 6 - 5 6 6 0 . 0 1 | 0 1 9 7

CAUTION:
NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN. ALL EXISTING SERVICE CONNECTIONS ARE NOT SHOWN. ANY EXISTING UTILITIES THAT ARE SHOWN ARE APPROXIMATE LOCATION ONLY. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS AND TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATIONS TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- [x] ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- [x] BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- [ ] TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
- [x] SIDEWALK AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- [ ] IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- [ ] ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

LEGEND

CURB AND GUTTER	WATER METER
CONCRETE	CABLE T.V.
ELECTRIC TRANSFORMER	POWER POLE
ELECTRIC PANEL	ANCHOR
SANITARY SEWER MANHOLE	LIGHT POLE
TELEPHONE MANHOLE	TRAFFIC LIGHT
ELECTRIC MANHOLE	CROSSWALK SIGNAL
STORM SEWER MANHOLE	SPRINKLER CONTROL
WATER VALVE	TRAFFIC CONTROL
FIRE HYDRANT	LIGHTING BOX
TELEPHONE BOX	SIGN
TC= FL= SPOT ELEVATION	GRATE

INDEX TO DRAWINGS

SHEET NO.	SHEET
1	TITLE SHEET
2-3	OFF-SITE PAVING IMPROVEMENT
4	MASTER UTILITY PLAN
5-6	UTILITY IMPROVEMENTS

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
DATE

SURVEYOR'S CERTIFICATION

"I, Timothy Aldrich, a duly qualified Registered Professional Land Surveyor under the Laws of the State of New Mexico, do hereby certify that the "as-built" information shown on these drawings was obtained from field construction and "as-built" surveys performed by me, or under my supervision, that the "as-built" information shown on these drawings was added by me, or under my supervision and that this "as-built" information is true and correct to the best of my knowledge and belief." Aldrich Land Surveying, Inc., is not responsible for any of the design concepts, calculations, engineering and/or intent of the record drawings.

Timothy Aldrich — N.M.P.S. 7719 — Date 08-15-97

RECORD DRAWING

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the surveyor, ALS, Inc., and reflects the construction as-built. Revisions to the approved plan as constructed is in substantial compliance with the Approved Plan.

Gregory J. Krenik — NMPE 11929 — 8-19-97

DRB CASE NO. 96-590

dmg D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS & SURVEYORS
P. O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 345-2010

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

ENGINEERS STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE
	DRC CHAIRMAN		5-5-97
	TRANSPORTATION		4-12-97
	WATER/WASTEWATER	R.W. Kane	4-14-97
	HYDROLOGY	BM NA	4/29/97
	C.I.P.		
	CONSTR. MNGMT.		04/29/97

APPROVED FOR CONSTRUCTION
CITY ENGINEER — DATE 5/12/97

CITY PROJECT NO. 566081 — SHEET 1 OF 6

SCANNED BY LASON

6129AMSQ\6129-TIT\04-05-97

CURVE DATA – DESCRIBES FACE OF CURB

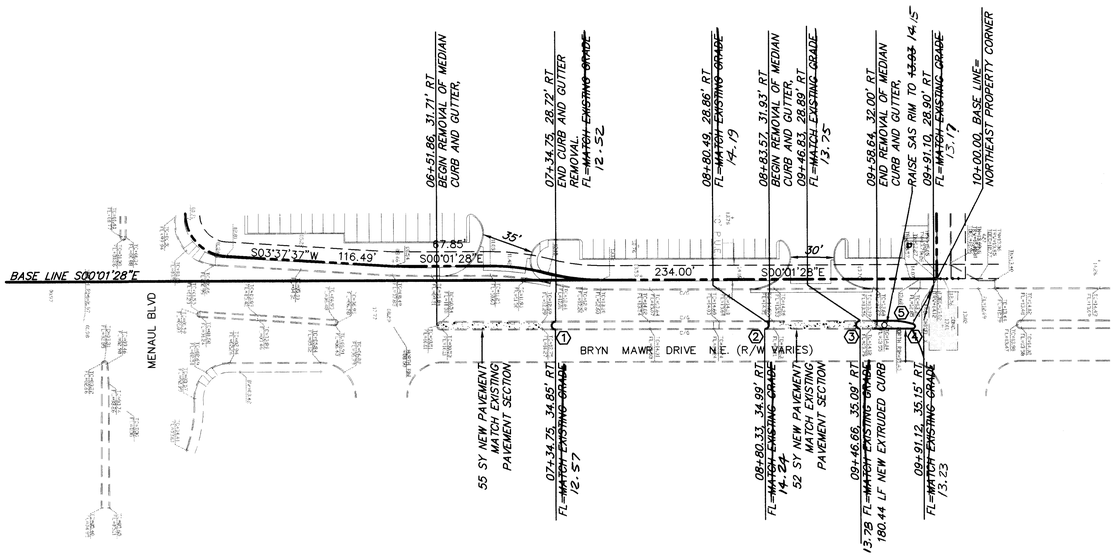
① Δ = 179°58'15"
R = 3.07'
L = 9.64'
T = NA

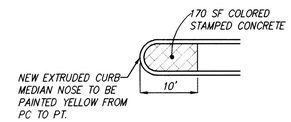
② Δ = 177°06'26"
R = 3.07'
L = 9.80'
T = NA

③ Δ = 176°43'13"
R = 3.10'
L = 9.93'
T = NA

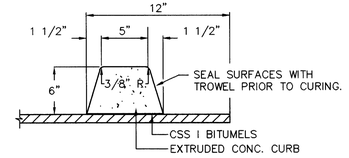
④ Δ = 197°30'36"
R = 2.00'
L = 5.67'
T = NA

⑤ Δ = 177°33'51"
R = 50.00'
L = 15.33'
T = 7.72'





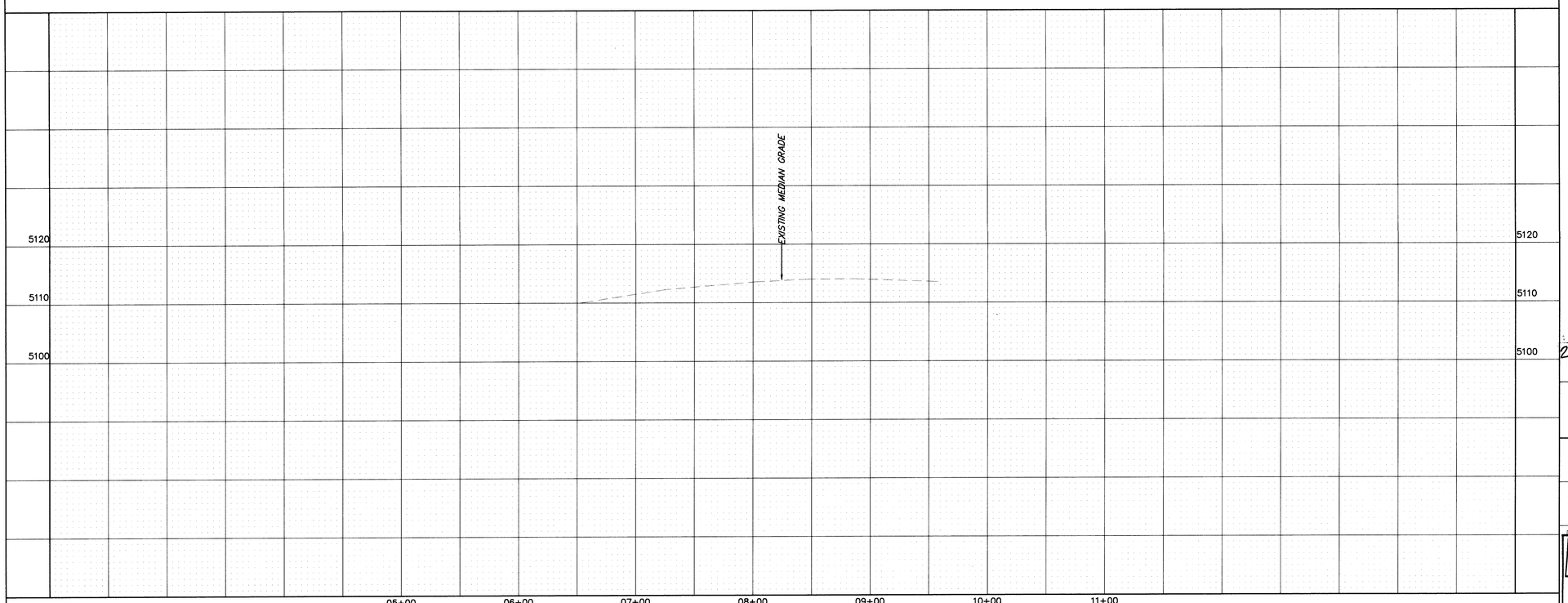
TYPICAL MEDIAN NOSE DETAIL
N.T.S.



- 4000 PSI COMP. STRENGTH AT 28 DAYS
- 1.5 #/CY OF POLYPROPYLENE COLLATED FIBRILLATED FIBERS(FIBERMESH OR APPROVED EQUAL)
- NON-CHLORIDE RETARDER PER MANUF. RECOMM.

EXTRUDED CONCRETE CURB DETAIL
N.T.S.

BRYN MAWR DRIVE N.E.
STA. 08+77.95 TO STA. 12+59.03
SCALE: HOR. 1" = 50'
VER. 1" = 10'



6129AMSQ\6129PP-1\04-05-97

SCANNED BY
BY LASON

AS BUILT INFORMATION
CONTRACTOR GERALD MARTIN
WORK STAKED BY GERALD MARTIN DATE 9-7
INSPECTOR'S ACCEPTANCE BY [illegible] DATE
FIELD VERIFICATION BY ALS, INC DATE 8/97
DRAWINGS CORRECTED BY ALS, INC DATE 10/97
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
MNSHC BRASS TABLET "STA. I-40-12".
X = 391,771.93
Y = 1,495,174.25
Z = 5114.549

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
DISTRICT ENGINEER
STATE OF NEW MEXICO
11929
REGISTERED PROFESSIONAL ENGINEER
4-7-97

NO.	DATE	REMARKS	BY

REVISIONS

		DATE
DESIGNED BY	GJK	09/96
DRAWN BY	MCG	09/96
CHECKED BY	DMG	09/96

RECORD DRAWING
I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the surveyor, ALS, Inc., and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.
Gregory J. Krenik NMPE 11929
8-15-97

2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-15660.811.02297

dmg D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS & SURVEYORS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 345-2010

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

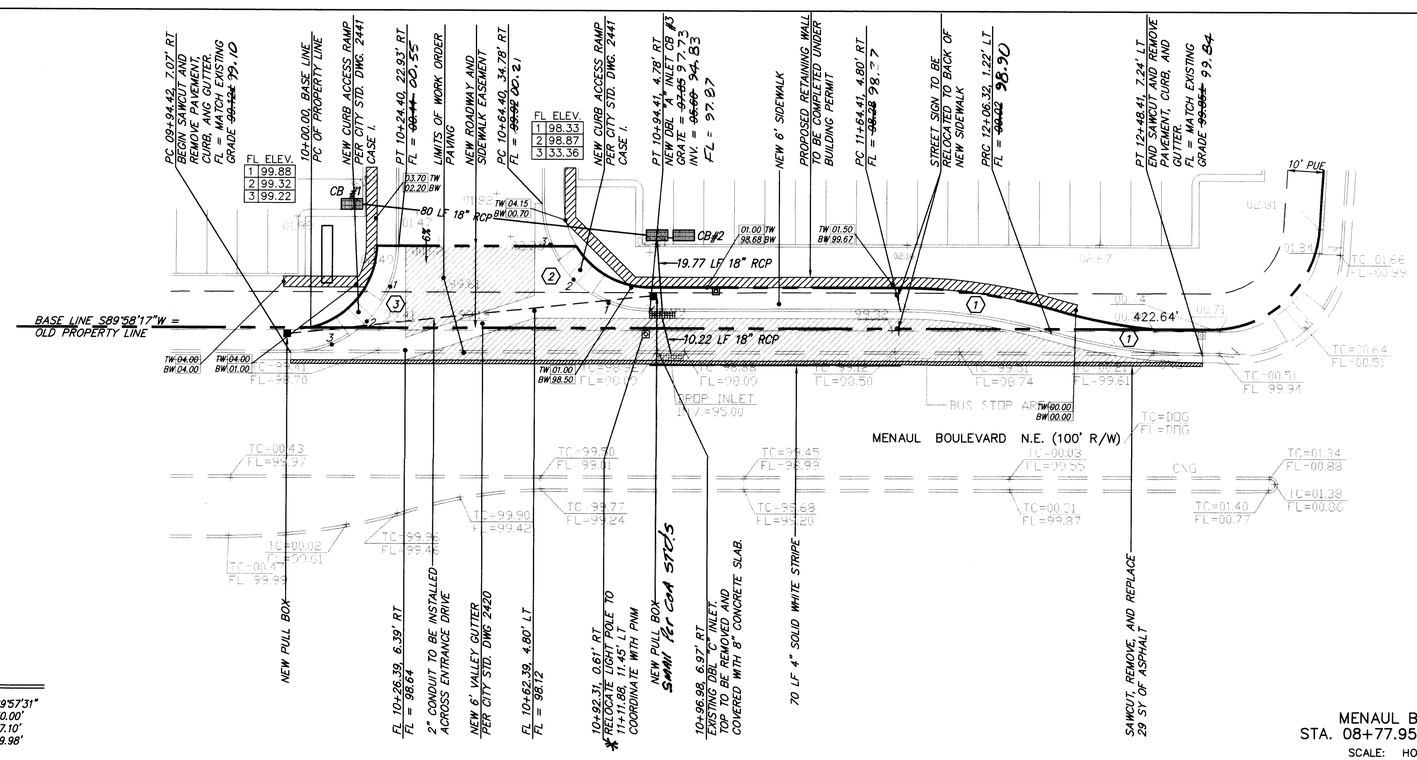
TITLE: AMERICAN SQUARE – J.C. PENNEY PAVING IMPROVEMENTS

DESIGN REVIEW COMMITTEE
APPROVED
MAY - 5 1997
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR.

CITY PROJECT NO. 566081
ZONE MAP NO. H16
SHEET 2 OF 6

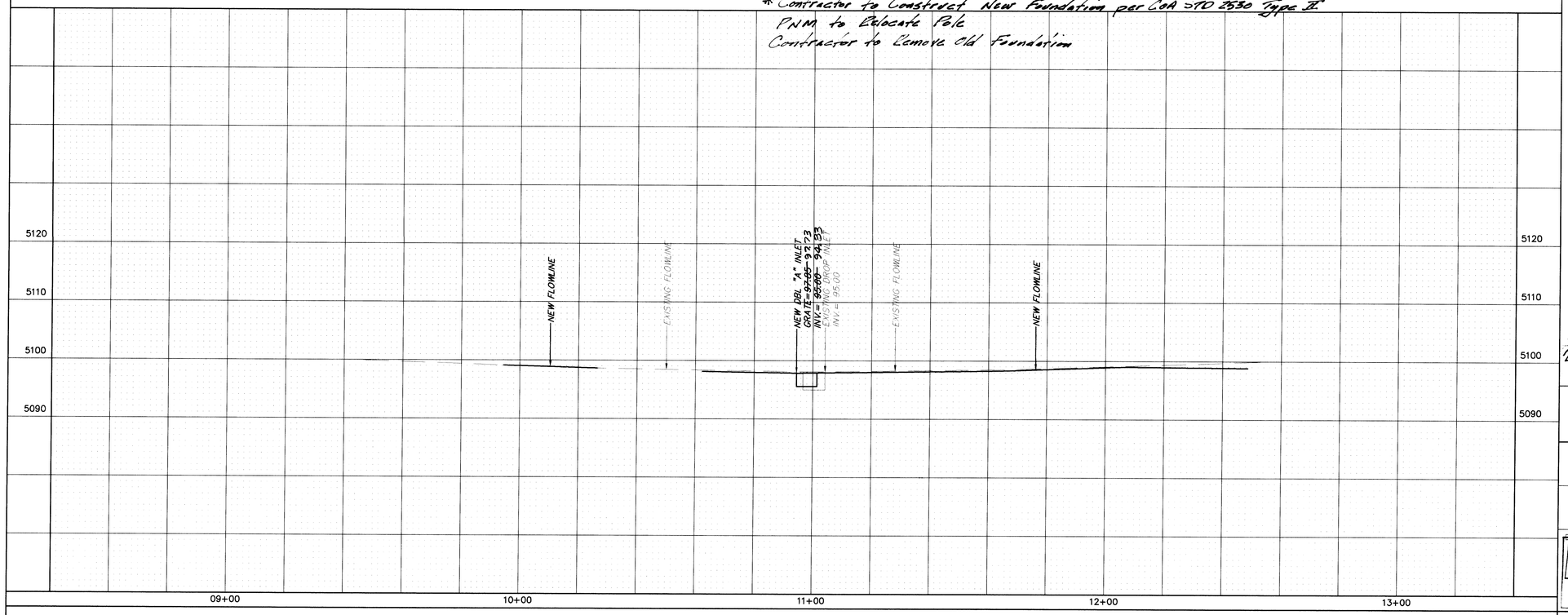


CURVE DATA – DESCRIBES FACE OF CURB

1	2	3
Δ = 16°17'45"	Δ = 90°00'44"	Δ = 89°57'31"
R = 150.00'	R = 30.00'	R = 30.00'
L = 42.66'	L = 47.13'	L = 47.10'
T = 21.48'	T = 30.01'	T = 29.98'

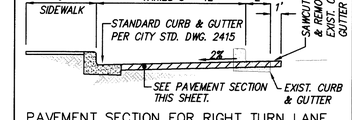
MENAUL BOULEVARD N.E.
STA. 08+77.95 TO STA. 12+59.03
SCALE: HOR. 1" = 20'
VER. 1" = 10'

*Contractor to Construct New Foundation per CoA STD 2530 Type II.
PNM to Relocate Pole
Contractor to Remove Old Foundation



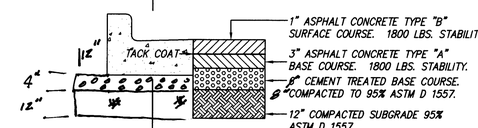
NOTE

HANDICAP RAMPS ARE TO BE PER CITY STD. DWGS. 2440 & 2441



PAVEMENT SECTION FOR RIGHT TURN LANE

N.T.S.



PAVEMENT SECTION

N.T.S.

AS BUILT INFORMATION
CONTRACTOR SPECIAL PAVING
WORK STAKED BY GEORGE MARTIN DATE 97
WORK STAKED BY L.C.S. DATE
INSPECTOR'S FIELD TAPE BY L.C.S. DATE 2/97
VERIFICATION BY A.L.S. INC. DATE 2/97
PAVEMENT CORRECTED BY A.L.S. INC. DATE 2/97
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION

NO.	BY	DATE
	FIELD NOTES	

BENCH MARKS
MNSHC BRASS TABLET "STA 1-40-12".
X = 391,771.93
Y = 1,495,174.25
Z = 5114.549

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

		DATE
DESIGNED BY	GJK	09/96
DRAWN BY	MCG	09/96
CHECKED BY	DMG	09/96

RECORD DRAWING

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the surveyor, ALS, Inc., and reflects the actual completed construction as accepted. This plan as constructed is in substantial compliance with the Approved Plan.

3-19-97
Gregory J. Klenk NMPE 11929

2 3 4 5 6 7 8 9 10 11 12 13 14 15
2 6 - 5 6 6 0 1 . 8 1 0 3 9 7

dmg D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS & SURVEYORS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 345-2010

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: AMERICAN SQUARE – J.C. PENNEY PAVING IMPROVEMENTS

DESIGN REVIEW COMMITTEE: APPROVED MAY – 5 1997 DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR.

CITY PROJECT NO. 566081 | ZONE MAP NO. H16 | SHEET 3 OF 6

6129AMSQ\6129PP-2\04-07-97

SCANNED BY
BY LASON

LENGTH OF RESTRAINED PIPE (FEET)							
PIPE SIZE	90	45	22.5	11.25	TEE	VALVE	REDUCER
6"	18'	7'	4'	2'	*	55'	35'
10"	27'	11'	5'	3'	*	72'	65'

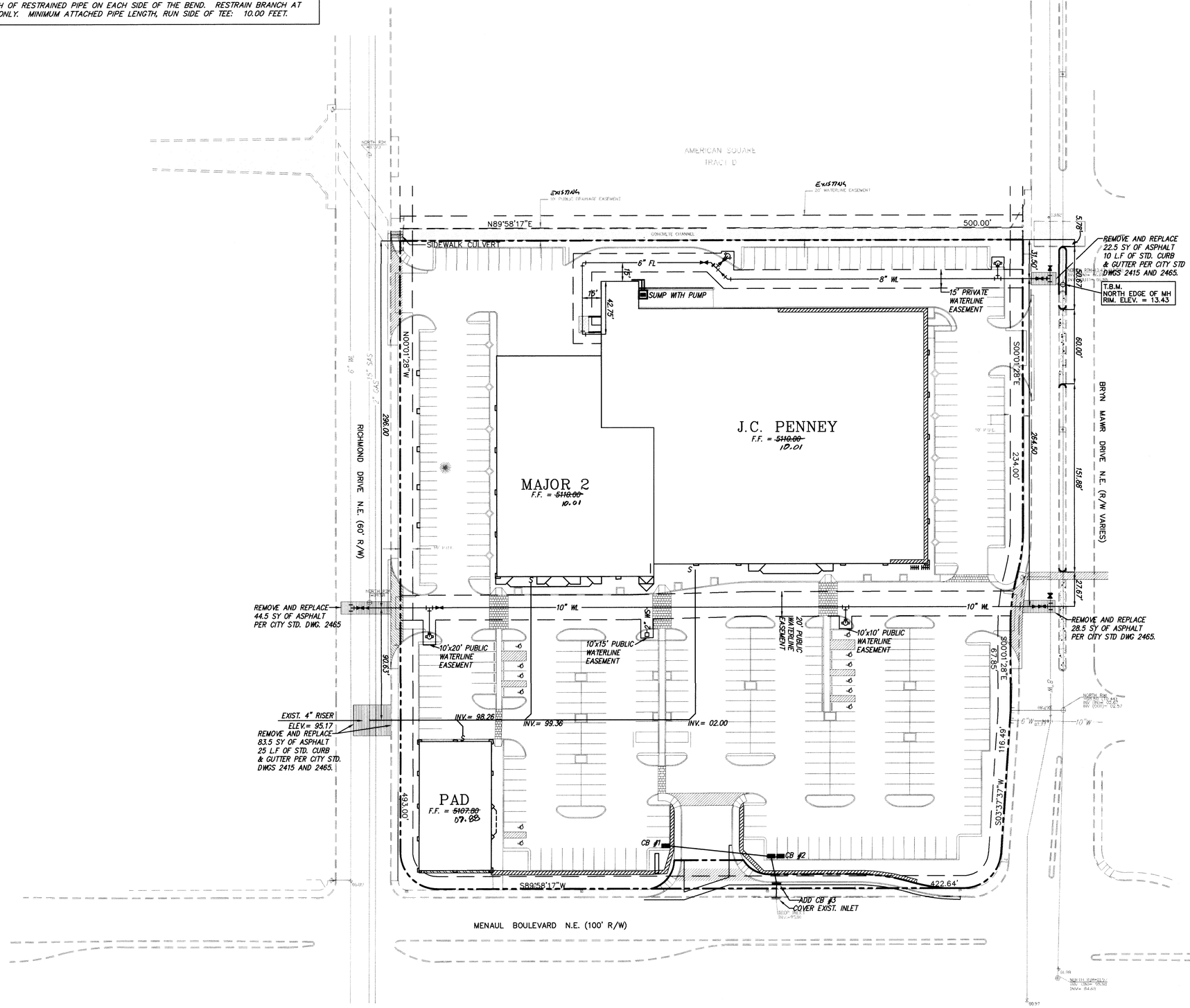
* LENGTH OF RESTRAINED PIPE ON EACH SIDE OF THE BEND. RESTRAIN BRANCH AT FITTING ONLY. MINIMUM ATTACHED PIPE LENGTH, RUN SIDE OF TEE: 10.00 FEET.

LEGEND

- EXISTING FIRE HYDRANT
- NEW FIRE HYDRANT
- WATER SERVICE
- 6" SANITARY SEWER SERVICE
- GATE VALVE
- TEE
- DROP INLET
- EXIST. WATER VALVE

SANITARY SEWER SERVICES

BUILDING	INV (5' FROM BLDG)
JC PENNY	04.46
MAJOR 2	05.00
PAD	03.80



RECORD DRAWING

I hereby certify that the information contained on this drawing has been revised in accordance with drawings furnished by the surveyor A.L.S. Inc. and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Gregory J. Krenik NMPE 11929 8-12-97

SCALE: 1" = 40'

2'6-15660.811 0497

D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS & SURVEYORS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 345-2010

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: AMERICAN SQUARE – J.C. PENNEY MASTER UTILITY PLAN

DESIGN REVIEW COMMITTEE: APPROVED MAY - 5 1997 DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR.

CITY PROJECT NO. 566081 | ZONE MAP NO. H-16 | SHEET 4 OF 6

6129AMSQ\6129MUTI\04-97.DWG

SCANNED BY BY LASON

AS BUILT INFORMATION
CONTRACTOR GERALD MAGETAN
WORK STAKED BY GERALD MAGETAN DATE 8-7
INSPECTOR'S ACCEPTANCE BY DATE
FIELD DATA VERIFICATION BY ALS, INC DATE 8/97
DRAWINGS CORRECTED BY ALS, INC DATE 8/97
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

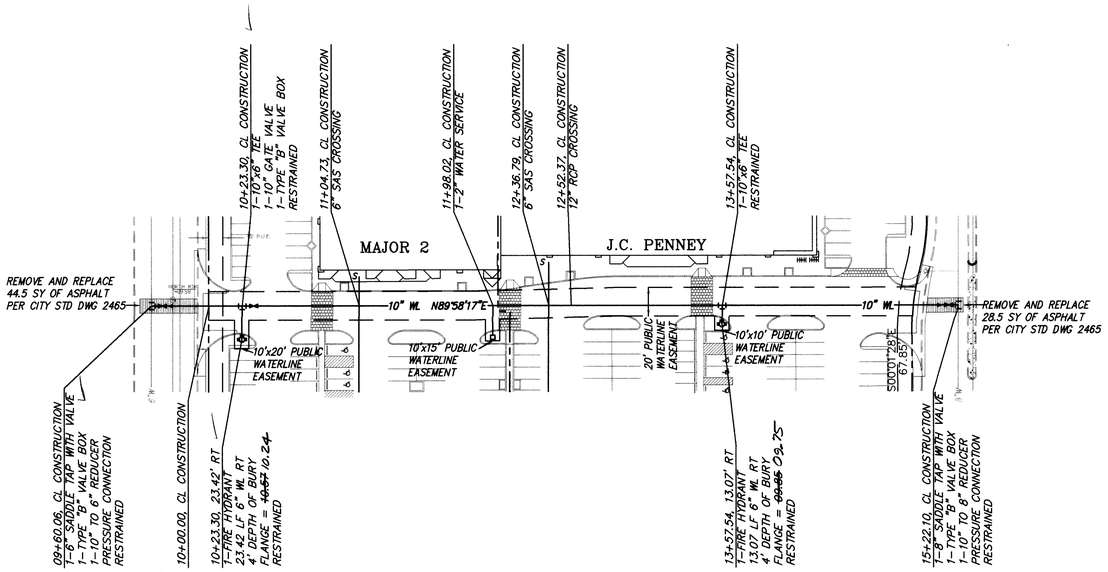
BENCH MARKS
MNSHC BRASS TABLET "STA 1-40-12"
X = 391,771.93
Y = 1,495,174.25
Z = 5114.549

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL

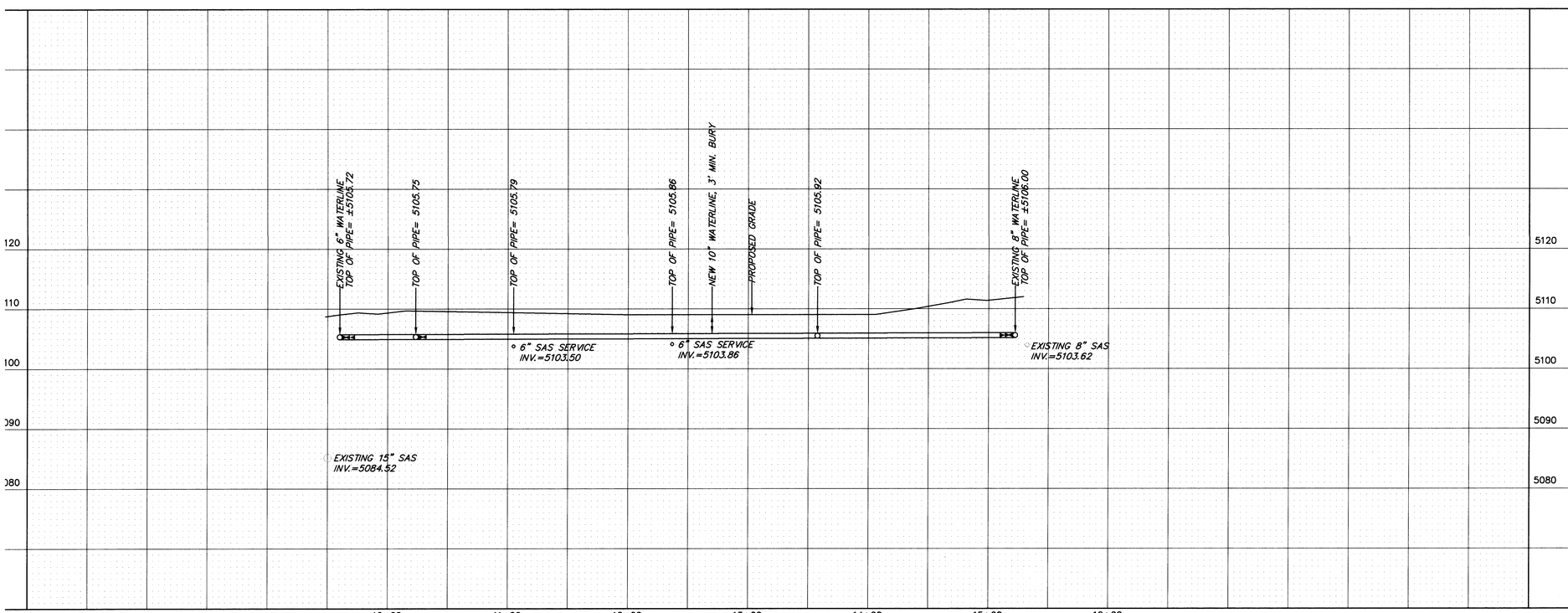
NO.	DATE	REMARKS	BY
		REVISIONS	

		DATE
DESIGNED BY	GJK	09/96
DRAWN BY	MCG	09/96
CHECKED BY	DMG	09/96



20' PUBLIC WATERLINE EASEMENT
STA. 09+60.06 TO STA. 15+22.10

SCALE: HOR. 1" = 50'
VER. 1" = 10'



6129AMSQ\6129UP-2\04-07-97

RECORD DRAWING

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Gregory J. Krenik NMPE 11929

5-17-97

26-5660.18/10597

D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS & SURVEYORS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 345-2010

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: AMERICAN SQUARE – J.C. PENNEY
PUBLIC UTILITY IMPROVEMENTS

DESIGN REVIEW COMMITTEE: APPROVED MAY - 5 1997 DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR.

CITY PROJECT NO. 566081 | ZONE MAP NO. H16 | SHEET 5 OF 6

SCANNED BY
BY LASON

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

MNGSHC BRASS TABLET "STA 1-40-12".
X = 391,771.93
Y = 1,495,174.25
Z = 5114.549

AS BUILT INFORMATION

CONTRACTOR Gerald Martin
WORK STAKED BY Gerald Martin DATE 9/97
INSPECTOR'S ACCEPTANCE BY [illegible] DATE
FIELD VERIFICATION BY ALS, INC DATE 8/97
DRAWINGS CORRECTED BY ALS, INC DATE 8/97
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

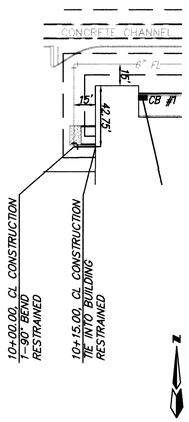
ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

REVISIONS

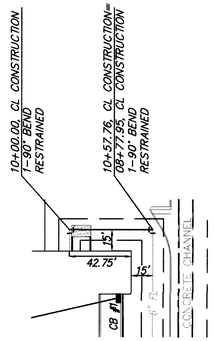
		DATE
DESIGNED BY	GJK	09/96
DRAWN BY	MCG	09/96
CHECKED BY	DMG	09/96

NOT PART OF WORK ORDER.
THIS IS FOR CONTRACTOR TO BUILD PRIVATE WATERLINE.



15' PRIVATE WATERLINE EASEMENT
STA. 08+77.95 TO STA. 12+59.03
SCALE: HOR. 1" = 50'
VER. 1" = 10'

NOT PART OF WORK ORDER.
THIS IS FOR CONTRACTOR TO BUILD PRIVATE WATERLINE.



15' PRIVATE WATERLINE EASEMENT
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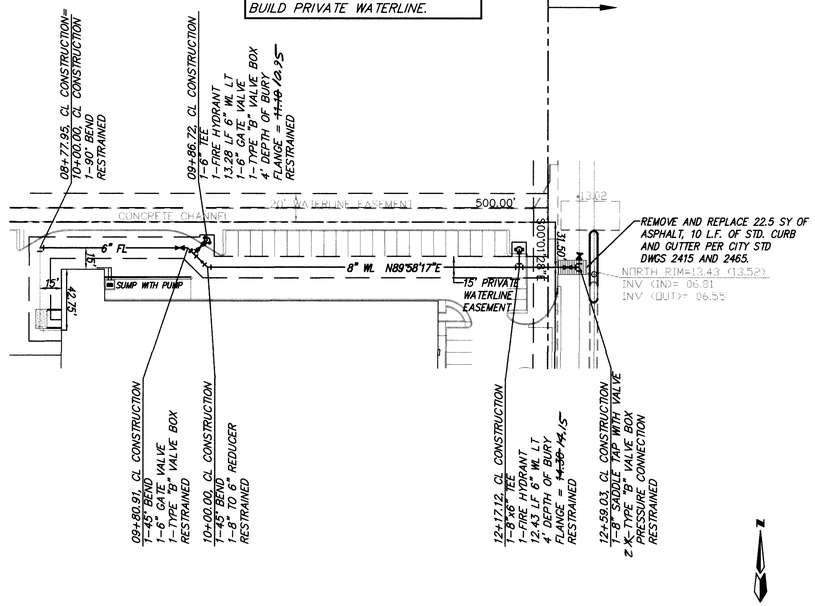
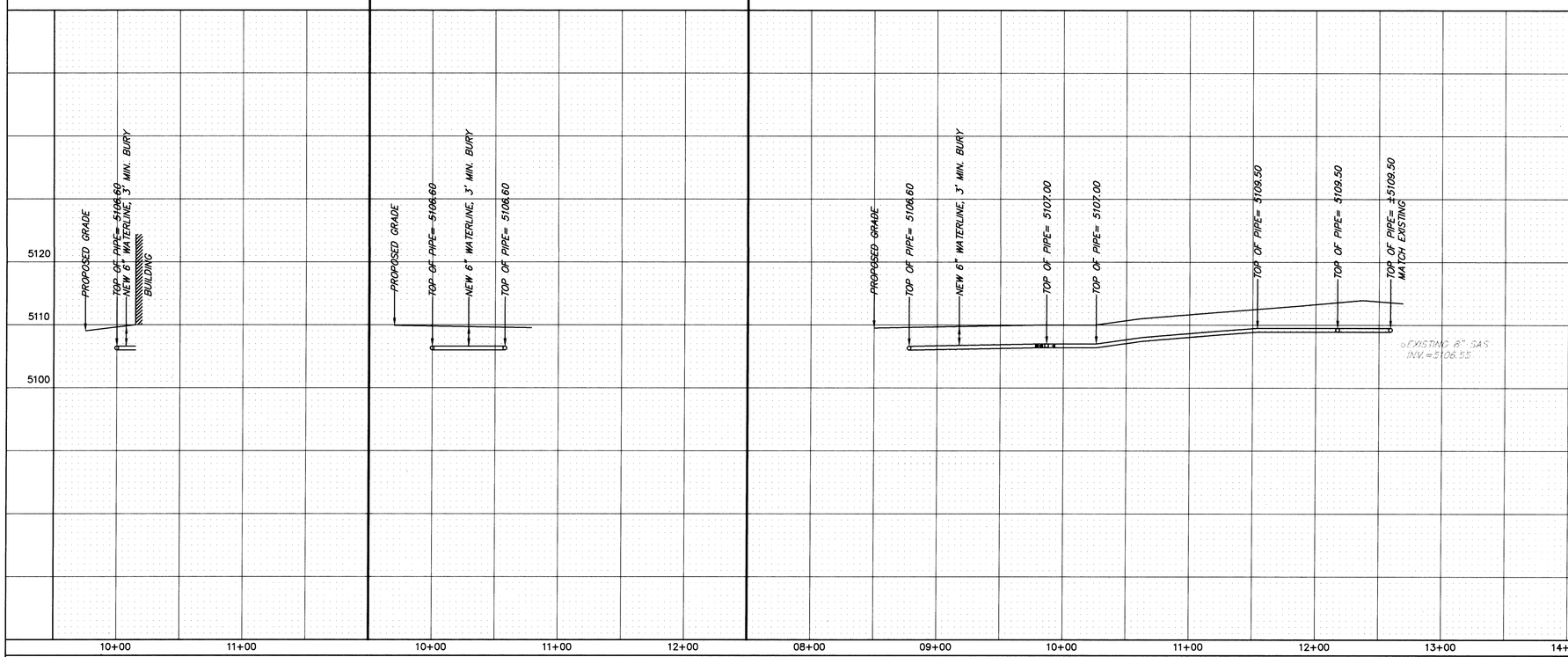
VER. 1" = 10'

NOT PART OF WORK ORDER.
THIS IS FOR CONTRACTOR TO BUILD PRIVATE WATERLINE.

WORK ORDER
PUBLIC IMPROVEMENTS



15' PRIVATE WATERLINE EASEMENT
STA. 08+77.95 TO STA. 12+59.03
SCALE: HOR. 1" = 50'
VER. 1" = 10'



6129AMSQ\6129UP-1\04-07-97

SCANNED BY
BY LASON

AS BUILT INFORMATION
CONTRACTOR SELBAD MARTIN
WORK STAKED BY SELBAD MARTIN DATE 97
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY ALS, INC DATE 9/97
DRAWINGS CORRECTED BY ALS, INC DATE 9/97
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
MNSHC BRASS TABLET STA 1-40-12".
X = 391,771.93
Y = 1,495,174.25
Z = 5114.549

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
GEORGE MARK GOODWIN
NEW MEXICO
11929
REGISTERED PROFESSIONAL ENGINEER

RECORD DRAWING
I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the surveyor, ALS, Inc., and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.
8-19-97
George J. Bonnik NMPE 11929

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

		DATE
DESIGNED BY	GJK	09/96
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: AMERICAN SQUARE – J.C. PENNEY
PRIVATE UTILITY IMPROVEMENTS

DESIGN REVIEW COMMITTEE: APPROVED MAY - 5 1997
CITY ENGINEER APPROVAL
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CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
566081	H16	6	6