

CONSTRUCTION PLANS

FOR

NORTH HERITAGE HILLS

ROADWAY & UTILITY DESIGN

MAY 1996

TW

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18. RETAINING WALL IMPROVEMENTS—EAST
ENTRANCE STA 1+00.00 TO 4+57.56
RETAINING WALL IMPROVEMENTS—WEST
ENTRANCE STA 1+00.00 TO 2+96.16

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
Emilio B. Smith
DATE 5-18-97

RECORD DRAWING
DATE: 1-27-97 DRAFTED BY:
TIERRA WEST DEV.
THESE RECORD DRAWINGS HAVE BEEN PREPARED,
IN PART, ON THE BASIS OF INFORMATION COMPILED
AND FURNISHED BY OTHERS. THE ENGINEER WILL
NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS
WHICH HAVE BEEN INCORPORATED INTO THE
DOCUMENT AS A RESULT.

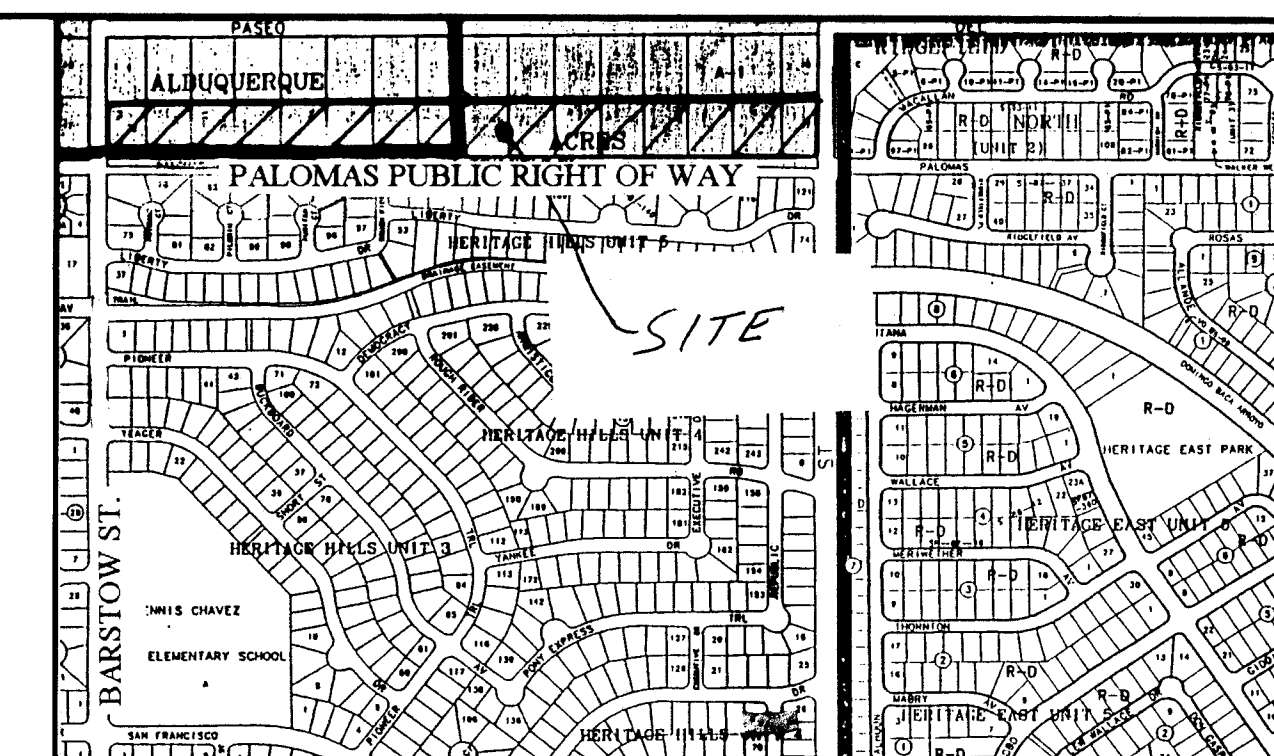
TIERRA WEST DEVELOPMENT
MANAGEMENT SERVICES
4421 McLEOD ROAD, N.E., SUITE D
ALBUQUERQUE, NEW MEXICO 87109
(505)883-7592

REV	SHEETS	DATE	USER DEPT.	DATE	USER DEPT.	DATE
10, 10A		11-12-96		11-9-96		
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER		DATE
		DRC Chairman		<i>[Signature]</i>	8-27-96	APPROVED FOR CONSTRUCTION
		Transportation		<i>[Signature]</i>	8-13-96	
		Water/Wastewater		<i>[Signature]</i>	9-12-96	
		Hydrology		<i>[Signature]</i>	9-22-96	
		Parks		<i>[Signature]</i>		
Constr. Mngmt.						
CITY PROJECT NO.				SHEET		
546881				1 OF 18		

DRB 95-411

30/950047/9558TITL.DWG/PVG/6-17-96

SCANNED BY
BY LASON



VICINITY MAP

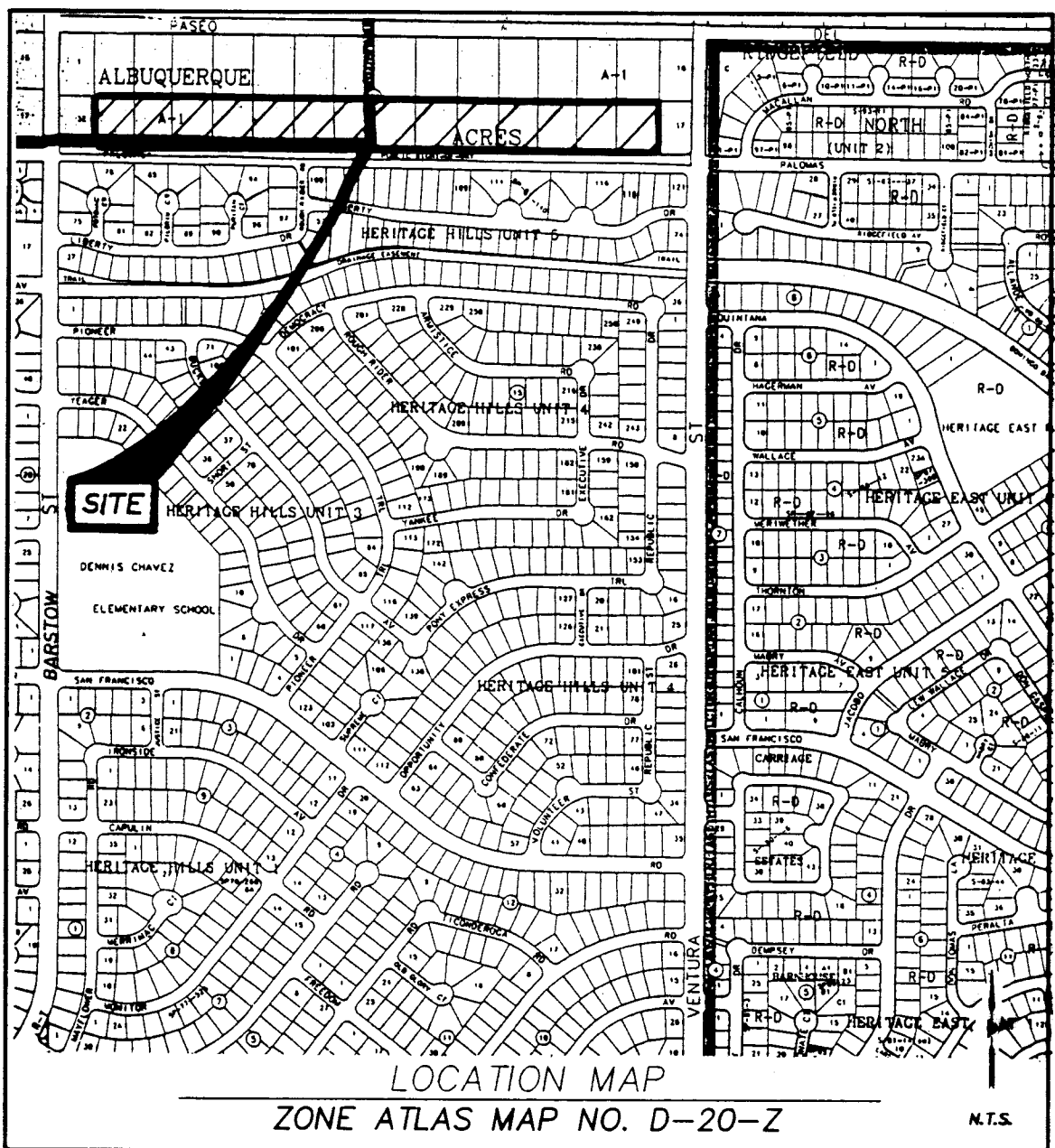
D-20-Z

NOTICE TO CONTRACTORS

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 EDITION (UPDATE #6)
2. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALLS SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
3. NOTIFY NEW MEXICO UTILITIES 3 DAYS PRIOR TO UTILITY CONSTRUCTION.
4. 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.
5. THREE(3) WORKING DAYS PRIOR TO BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATIONS 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 STANDARD SPECIFICATIONS.
6. 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.
7. 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. ANY PERMANENT SURVEY MONUMENT LOCATED WITHIN 50' OF THIS PROJECT THAT IS NOT SHOWN ON THE PLAN AND IS DESTROYED DURING CONSTRUCTION WILL BE REPLACED AT THE DESIGNERS EXPENSE.
8. ANY WORK AFFECTING AN ARTERIAL ROADWAY REQUIRES 24-HOUR CONSTRUCTION.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
- ☒ SIDEWALKS AND CURBS SHALL BE CONSTRUCTED PRIOR TO 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.



SUBDIVISION DATA:

GROSS SUBDIVISION ACREAGE: 7.094 ACRES±
ZONE ATLAS INDEX NO.: D-20-Z
NO. OF TRACTS CREATED: 0
NO. OF LOTS CREATED: 48
MILES OF FULL-WIDTH STREETS CREATED: 0.248 MILE
DATE OF SURVEY: FEBRUARY 3-7, 1996

LEGAL DESCRIPTION

A TRACT OF LAND COMPRISING OF A PORTION OF LOT 24, ALL OF LOTS 25 THRU 31, BLOCK 31 AND THE NORTHERLY PORTION OF THE VACATED PALOMAS AVENUE, N.E. ADJACENT TO THESE LOTS, NORTH ALBUQUERQUE ACRES, TRACT A, UNIT A, AS THE SAME ARE SHOWN AND DESIGNATED ON THE PLAT THEREOF, FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON MARCH 17, 1937, IN VOLUME D, FOLIO 129, WITHIN THE ELENA GALLEGOS GRANT, PROJECTED SECTION 20, T11N, R4E, NMPM, BERNALILLO COUNTY, NEW MEXICO AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHWEST CORNER OF LOT 31, ALSO BEING THE SOUTHWEST CORNER OF LOT 2, BLOCK 31 NORTH ALBUQUERQUE ACRES, FROM WHENCE NOS MONUMENT "HEAVEN" HAVING NEW MEXICO STATE PLANE COORDINATES, NAD 1927, X=407,051.31, Y=1,516,737.03, BEARS N 89°14'59" W, 3,317.78 FEET;

THENCE CONTINUING ALONG SAID NORTHERLY BOUNDARY S 89°40'27" E, 1194.20 FEET TO THE NORTHEAST CORNER OF PHASE 1 ALSO BEING A POINT ON THE SOUTHERLY BOUNDARY OF LOT 9, BLOCK 31 NORTH ALBUQUERQUE ACRES;

THENCE S 00°19'34" W, 95.00 FEET TO A POINT;

THENCE S 02°58'36" E, 46.08 FEET TO A POINT;

THENCE S 00°09'45" W, 92.76 FEET TO A POINT ON THE VACATED NORTHERLY RIGHT OF WAY LINE OF PALOMAS AVENUE, N.E.;

THENCE S 00°09'45" W, 25.00 FEET TO THE SOUTHEAST CORNER OF PHASE 1;

THENCE ALONG THE CENTERLINE OF THE VACATED RIGHT OF WAY OF PALOMAS AVENUE, N.E. N 89°39'44" W, 1195.38 FEET TO THE SOUTHWEST CORNER OF PHASE 1;

THENCE N 00°04'31" W, 25 FEET TO THE SOUTHWEST CORNER OF LOT 31 AND THE NORTH RIGHT OF WAY LINE OF THE VACATED PALOMAS AVENUE, N.E.;

THENCE N 00°04'31" W, 242.60 FEET ALONG THE WESTERLY BOUNDARY OF LOT 31 TO THE POINT OF BEGINNING CONTAINING 7.094 ACRES MORE OR LESS, NOW COMPRISING HERITAGE HILLS NORTH, PHASE 1.

EASEMENTS

THIS PLAT SHOWS EXISTING RECORDED AND APPARENT EASEMENTS AS NOTED.

PUBLIC UTILITY EASEMENTS SHOWN ON THIS PLAT ARE GRANTED FOR THE COMMON AND JOINT USE OF:

1. PNM ELECTRIC SERVICES FOR THE INSTALLATION, MAINTENANCE, AND SERVICE OF OVERHEAD AND UNDERGROUND ELECTRICAL LINES, TRANSFORMERS, POLES AND ANY OTHER EQUIPMENT, FIXTURES, STRUCTURES AND RELATED FACILITIES REASONABLY NECESSARY TO PROVIDE ELECTRICAL SERVICE.
2. PNM GAS SERVICES FOR INSTALLATION, MAINTENANCE, AND SERVICE OF NATURAL GAS LINES, VALVES AND OTHER EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE NATURAL GAS.
3. U.S. WEST FOR THE INSTALLATION, MAINTENANCE AND SERVICE OF ALL BURIED AND AERIAL COMMUNICATION LINES AND OTHER RELATED EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE COMMUNICATION SERVICES, INCLUDING BUT NOT LIMITED TO ABOVE GROUND PEDESTALS AND CLOSURES.
4. JONES INTERCABLE FOR THE INSTALLATION, MAINTENANCE, AND SERVICE OF SUCH LINES, CABLE, AND OTHER RELATED EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE CABLE TV SERVICE.

INCLUDED IS THE RIGHT TO BUILD, REBUILD, CONSTRUCT, RECONSTRUCT, LOCATE, RELOCATE, CHANGE, REMOVE, MODIFY, RENEW, OPERATE, AND MAINTAIN FACILITIES FOR THE PURPOSES DESCRIBED ABOVE, TOGETHER WITH FREE ACCESS TO, FROM, AND OVER SAID EASEMENTS, INCLUDING SUFFICIENT WORKING AREA SPACE FOR ELECTRIC TRANSFORMERS, WITH THE RIGHT AND PRIVILEGE TO TRIM AND REMOVE TREES, SHRUBS OR BUSHES WHICH INTERFERE WITH THE PURPOSES SET FORTH HEREIN. NO BUILDING, SIGN, POOL, (ABOVEGROUND OR SUBSURFACE), HOT TUB, CONCRETE OR WOOD POOL DECKING, OR OTHER STRUCTURE SHALL BE ERECTED OR CONSTRUCTED ON SAID EASEMENTS, NOR SHALL ANY WELL BE DRILLED OR OPERATED THEREON. PROPERTY OWNERS SHALL BE SOLELY RESPONSIBLE FOR CORRECTING ANY VIOLATIONS OF NATIONAL ELECTRICAL SAFETY CODE CAUSED BY CONSTRUCTION OR POOLS, DECKING, OR ANY STRUCTURES ADJACENT TO WITHIN OR NEAR EASEMENTS SHOWN ON THIS PLAT.

FREE CONSENT AND DEDICATION

THE SUBDIVISION SHOWN HEREON IS WITH THE FREE CONSENT AND IN ACCORDANCE WITH THE DESIRES OF THE UNDERSIGNED OWNER AND/OR PROPRIETOR, EXISTING PUBLIC UTILITY EASEMENTS SHOWN HEREON ARE FOR THE COMMON AND JOINT USE OF GAS, ELECTRICAL POWER AND COMMUNICATION SERVICES FOR BURIED DISTRIBUTION LINES, CONDUITS, AND PIPES FOR UNDERGROUND UTILITIES WHERE SHOWN OR INDICATED, AND INCLUDING THE RIGHT OF INGRESS AND EGRESS FOR CONSTRUCTION AND MAINTENANCE, AND THE RIGHT TO TRIM INTERFERING TREES AND SHRUBS. SAID OWNER AND/OR PROPRIETOR DOES HEREBY CERTIFY THAT THIS SUBDIVISION IS HIS FREE ACT AND DEED, SAID OWNER AND/OR PROPRIETOR DOES HEREBY DEDICATE ALL STREETS AND PUBLIC RIGHTS OF WAY SHOWN HEREON TO THE CITY OF ALBUQUERQUE IN FEE SIMPLE WITH WARRANTY COVENANTS. EASEMENTS GRANTED AS SHOWN HEREON.

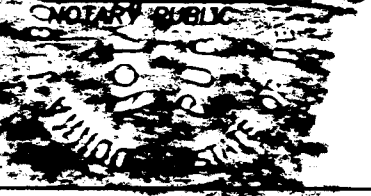
Patrick J. McGawick
PATRICK J. MCGAWICK, MEMBER
RIDGEFIELD WEST L.L.C.

7-8-96
DATE

ACKNOWLEDGEMENT

STATE OF NEW MEXICO,
COUNTY OF BERNALILLO,
THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS 8th DAY OF
JULY 1996 BY PATRICK J. MCGAWICK, MEMBER RIDGEFIELD WEST L.L.C.

NOTARY PUBLIC
COMMISSION EXPIRES:



PLAT OF HERITAGE HILLS NORTH PHASE 1

ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

JULY 1996

APPROVALS

CITY PLANNER, ALBUQUERQUE PLANNING DIVISION	DATE
CITY ENGINEER	DATE
A.M.A.F.C.A.	DATE
TRAFFIC ENGINEER	DATE
CITY SURVEYOR	DATE
PROPERTY MANAGEMENT	DATE
WATER RESOURCES DEPARTMENT	DATE
PARKS AND GENERAL SERVICES	DATE
PNM ELECTRIC SERVICES	DATE
PNM GAS SERVICES	DATE
U.S. WEST COMMUNICATIONS	DATE
JONES INTERCABLE, INC.	DATE

SURVEYOR'S CERTIFICATE

I, LARRY W. MEDRANO, A REGISTERED PROFESSIONAL SURVEYOR UNDER THE LAWS OF THE STATE OF NEW MEXICO, HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY MEETING THE MINIMUM REQUIREMENTS FOR MONUMENTATION AND SURVEYS OF THE CITY OF ALBUQUERQUE SUBDIVISION ORDINANCE AND OF STANDARDS FOR LAND SURVEYS OF THE N.M. BOARD OF REGISTRATION FOR ENGINEERS AND SURVEYORS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT NO ENCROACHMENTS EXIST EXCEPT AS NOTED ABOVE AND THAT ALL IMPROVEMENTS ARE SHOWN IN THEIR CORRECT LOCATION RELATIVE TO RECORD BOUNDARIES AS LOCATED BY THIS SURVEY.

Larry W. Medrano
LARRY W. MEDRANO
DATE 7/3/96



PRECISION SURVEYS, INC.

2888 COORS BLVD NW, SUITE 105
ALBUQUERQUE, NEW MEXICO 87120
PHONE 505 838 0088
FAX 505 838 4183

DRB CASE NO. 96-
SHEET 1 OF 2

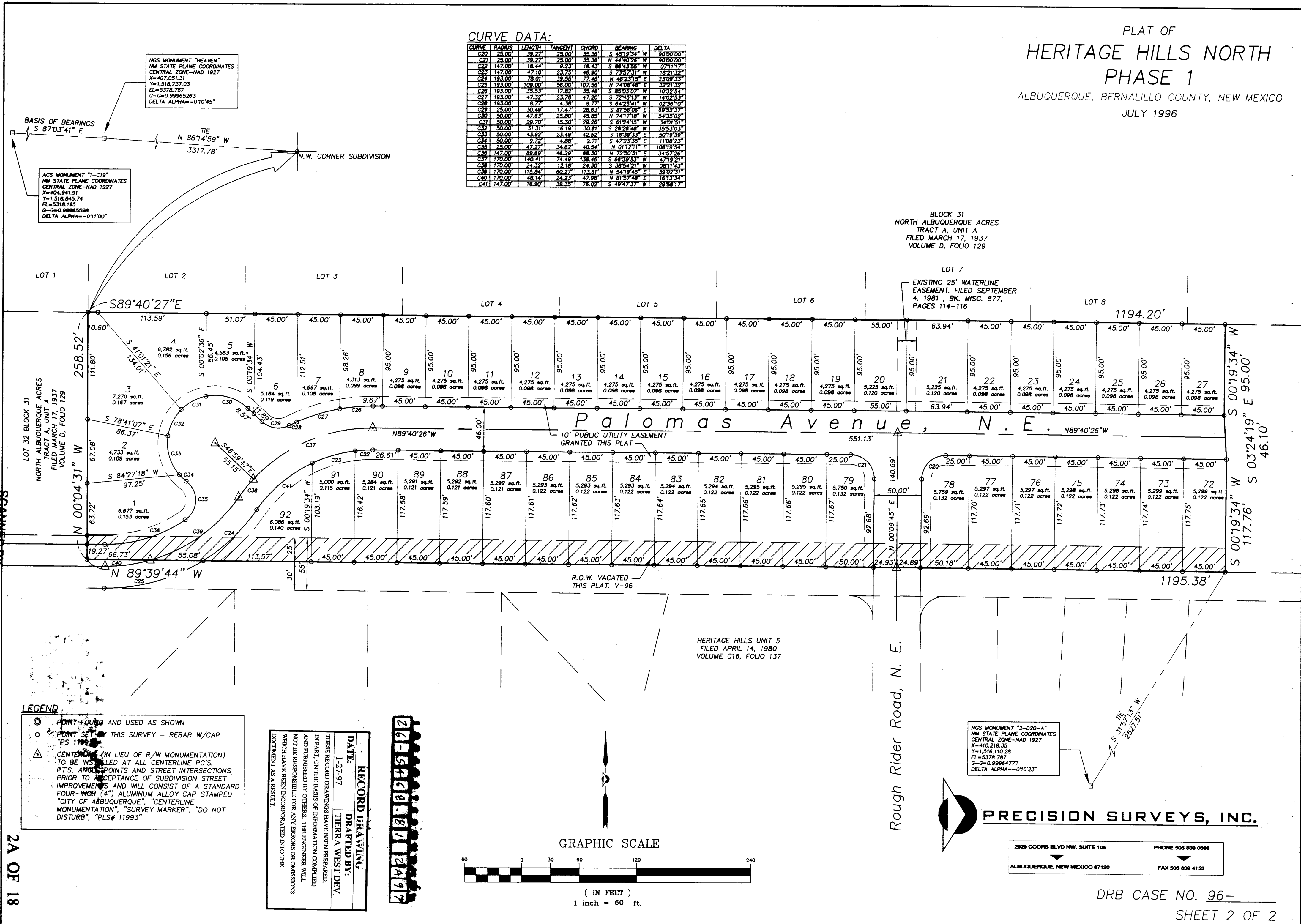
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5	25.00	S 89°14'59" W	30°00'00"
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10	25.00	S 89°14'59" W	30°00'00"
11	25.00	S 89°14'59" W	30°00'00"
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13	25.00	S 89°14'59" W	30°00'00"
14	25.00	S 89°14'59" W	30°00'00"
15	25.00	S 89°14'59" W	30°00'00"
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48	25.00	S 89°14'59" W	30°00'00"

PLAT OF HERITAGE HILLS NORTH PHASE 1

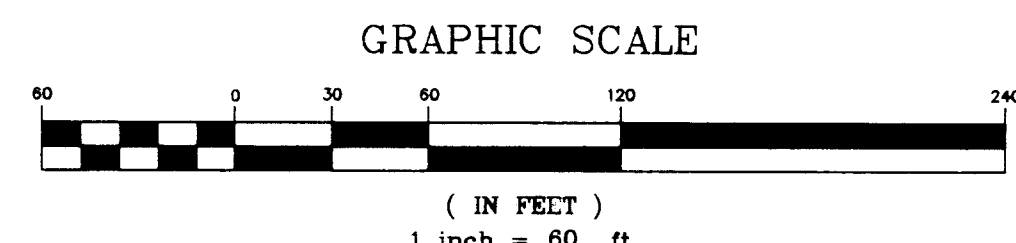
ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

JULY 1996



LEGEND
● POINT FOUND AND USED AS SHOWN
○ POINT SET BY THIS SURVEY - REBAR W/CAP
PS 11993
△ CENTERLINE (IN LIEU OF R/W MONUMENTATION)
TO BE INSTALLED AT ALL CENTERLINE P.C.'S,
P.T.'S, ANGLES, POINTS AND STREET INTERSECTIONS
PRIOR TO ACCEPTANCE OF SUBDIVISION STREET
IMPROVEMENTS AND WILL CONSIST OF A STANDARD
FOUR-INCH (4") ALUMINUM ALLOY CAP STAMPED
"CITY OF ALBUQUERQUE" "CENTERLINE
MONUMENTATION", "SURVEY MARKER", "DO NOT
DISTURB", "PLS" 11993

RECORD INFORMATION
DATE: 1-27-97
DRAWN BY: TERRA WEST/DEV.
THESE RECORDS ARE THE PROPERTY OF TERRA WEST/DEV.
IN PART ON THE BASIS OF INFORMATION COMPAILED
AND TRANSMITTED BY OTHERS. THE ENGINEER WILL
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DOCUMENT BY A REVISION.



PRECISION SURVEYS, INC.

2888 COORS BLVD NW, SUITE 105
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DRB CASE NO. 96-
SHEET 2 OF 2

26-5438-81-2897

PLAT OF
HERITAGE HILLS NORTH
PHASE 1
ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO
JULY 1996

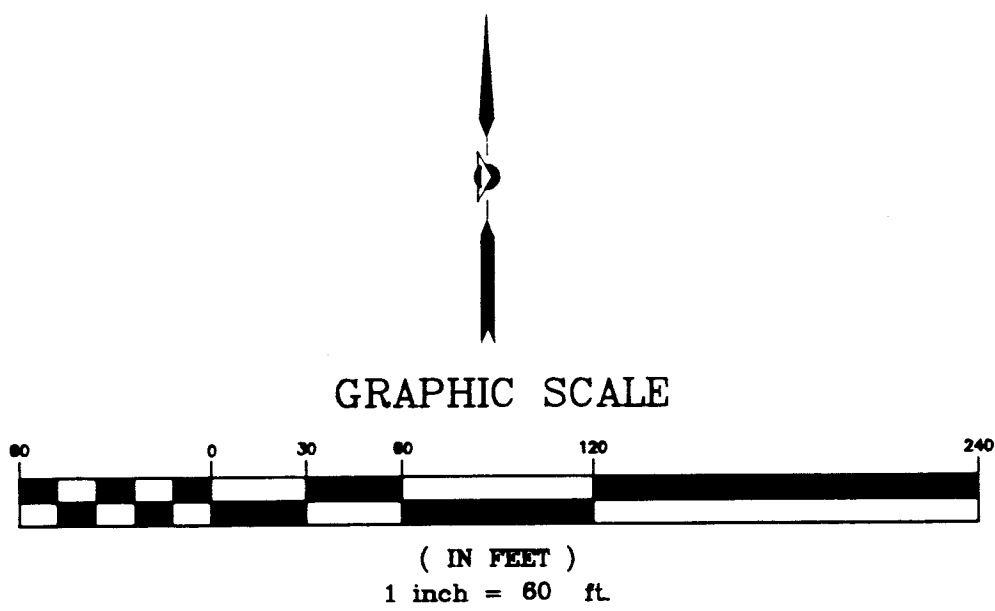
BLOCK 31
NORTH ALBUQUERQUE ACRES
TRACT A, UNIT A
FILED MARCH 17, 1937
VOLUME D, FOLIO 129

Ventura Street, N.E.

LOT 17, BLOCK 31
NORTH ALBUQUERQUE ACRES
TRACT A, UNIT A
FILED MARCH 17, 1937
VOLUME D, FOLIO 129

HERITAGE HILLS UNIT 5
FILED APRIL 14, 1980
VOLUME C16, FOLIO 137

RECORD DRAWING	
DATE:	DRAFTED BY:
1-27-97	TERRA WEST DEV.
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PRECISION SURVEYS, INC.

2888 COOPER BLVD NW, SUITE 105
ALBUQUERQUE, NEW MEXICO 87130
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FAX 805 889 4183

DRB CASE NO. 96-
SHEET 3 OF 3

PHASE II

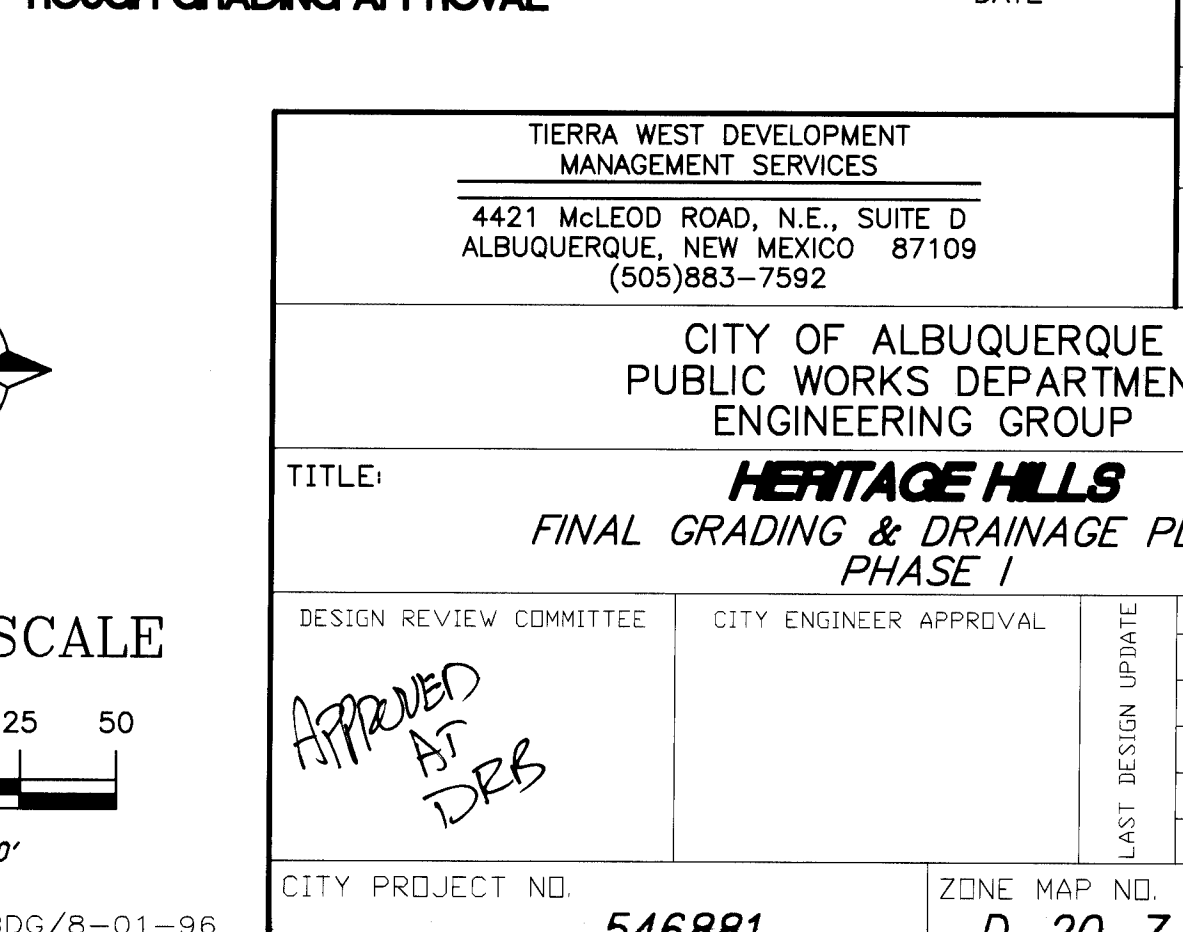
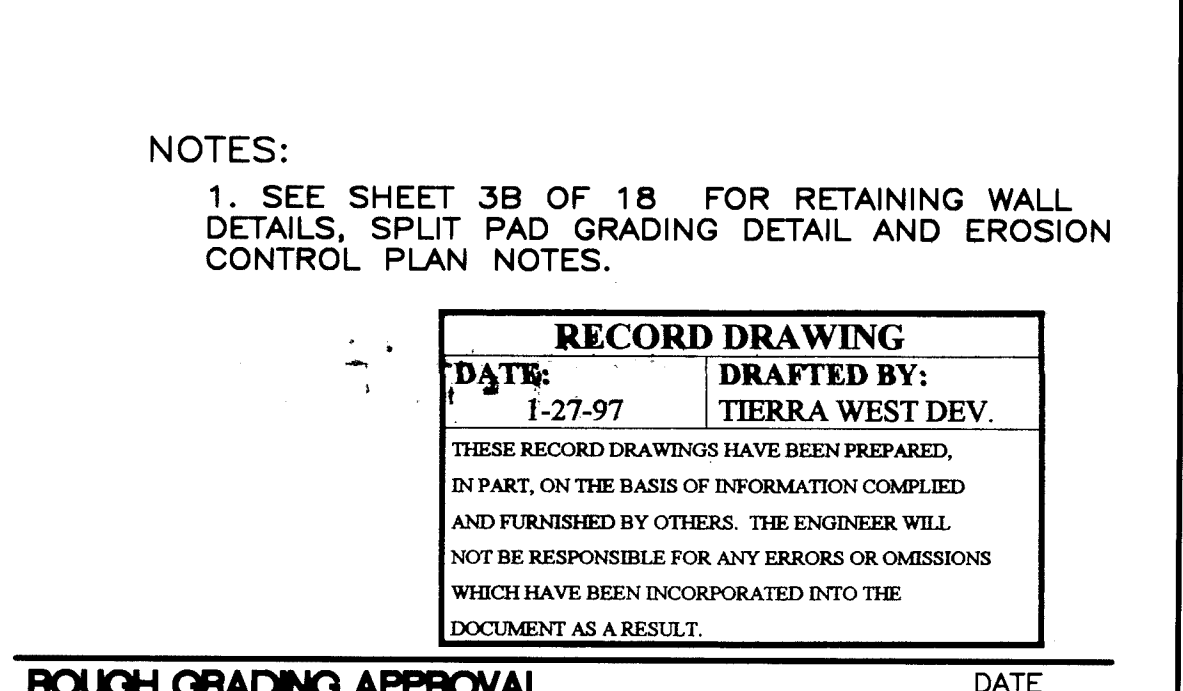
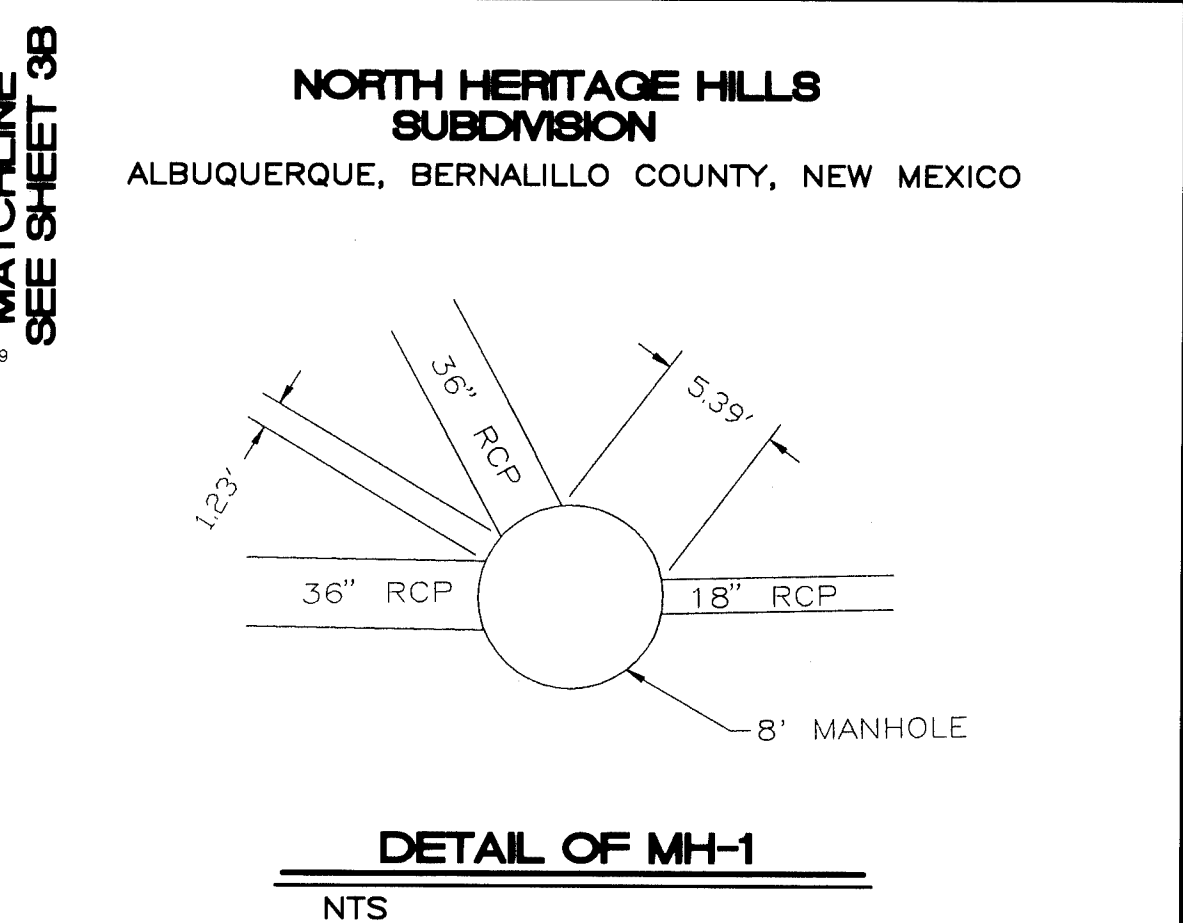
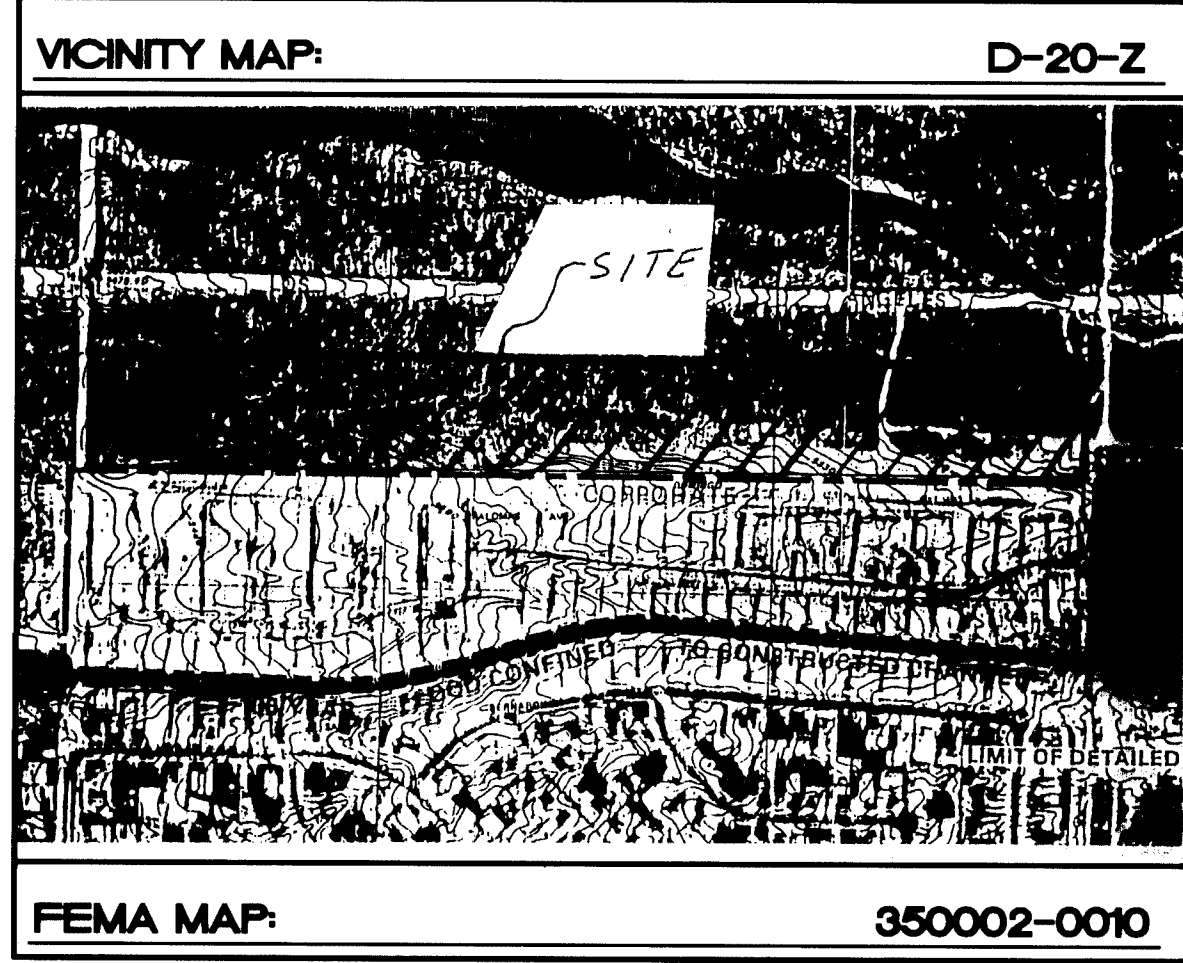
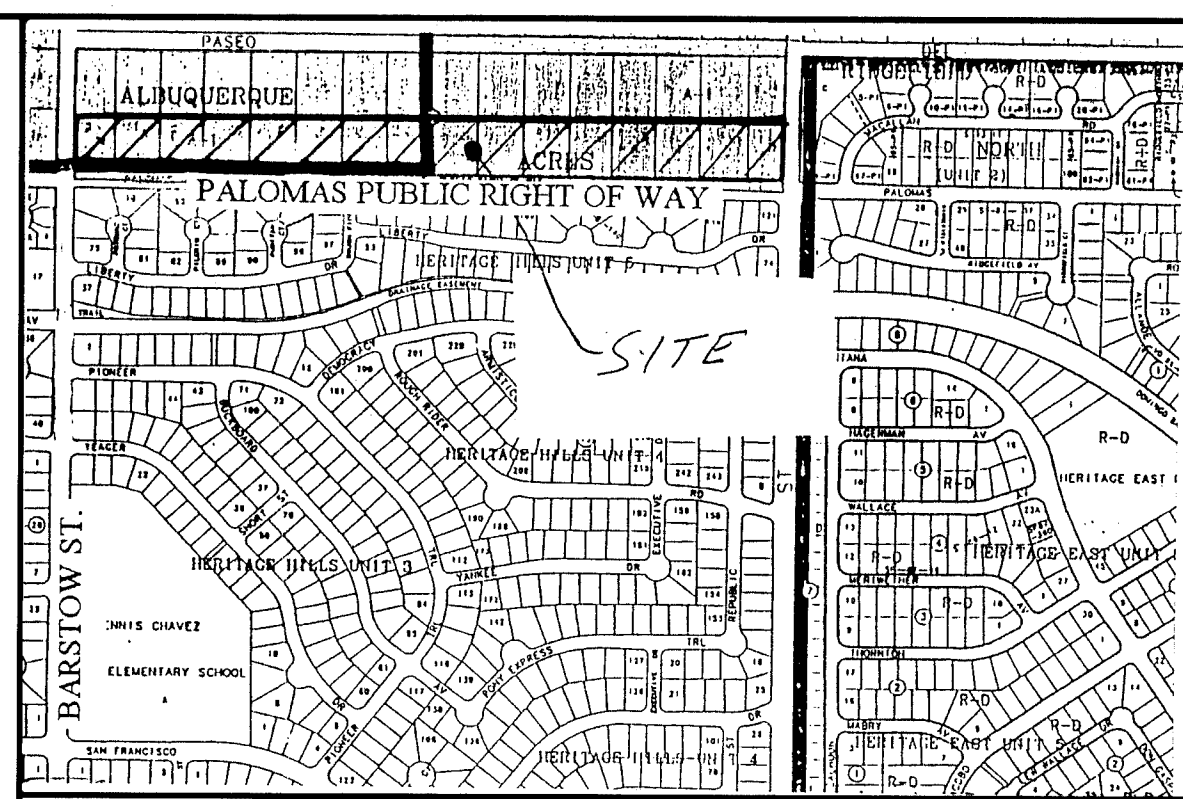
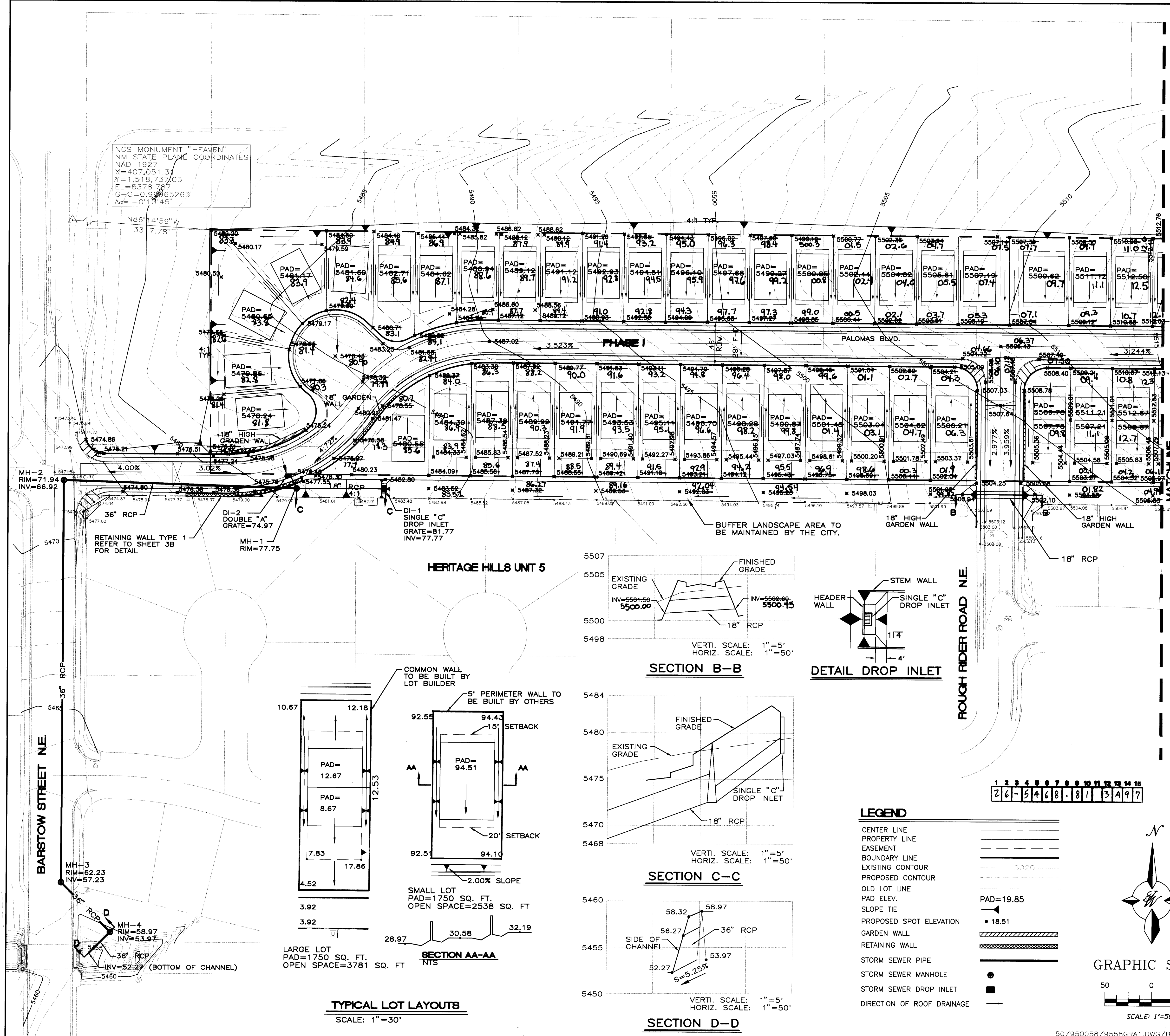
FUTURE PHASE 2

PHASE II

SCANNED BY
BY LASON

CPN 544881
2B OF 18

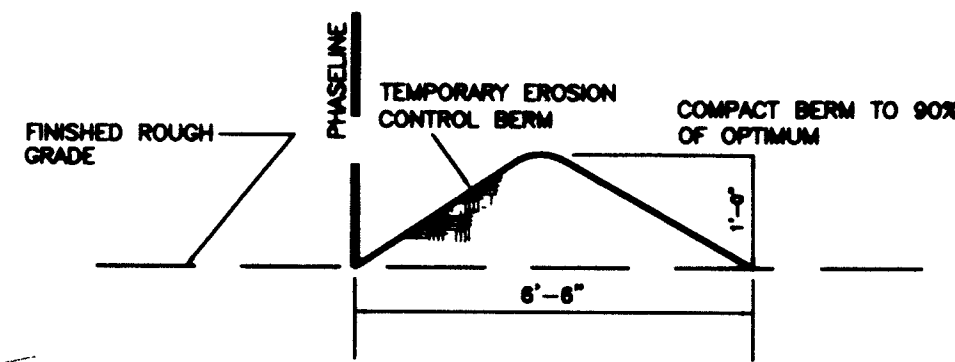
1996 11 9 07:11 PM \\VLP0006\1594\151\PLANS-SCA1181\A\Z



AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	SPARKLING CONSTRUCTION INC.	AS "HEAVEN"	DATE	FIELD NOTES	DATE	NO.	BY
INSPECTED BY	SPARKLING INC.	CENTRAL STATION DATA	DATE	NO.	BY	NO.	BY
ACCEPTANCE BY	COMAN. SCIENCE	NM STATE PLANE COORDINATES	DATE	NO.	BY	NO.	BY
VERIFICATION BY	SPARKLING INC.	Central Zone	DATE	NO.	BY	NO.	BY
DRAWING	12/4/97	X=407051.31	DATE	NO.	BY	NO.	BY
RECORDED BY	TERRA WEST DEV.	Y=1518737.03	DATE	NO.	BY	NO.	BY
MICRO-FILM INFORMATION		G=0.9995263	DATE	NO.	BY	NO.	BY
		Δg=-0.10'45"	DATE	NO.	BY	NO.	BY
		ELEV=5378.787	DATE	NO.	BY	NO.	BY

EROSION CONTROL PLAN NOTES

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT OUT OF EXISTING RIGHT-OF-WAY.
3. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE RUN-OFF ON SITE DURING CONSTRUCTION.
4. EROSION CONTROL BERM IS REQUIRED ALONG THE PHASELINE TO NEW DESILTING PONDS. SEE THIS PAGE FOR LOCATION OF TEMPORARY BERM AND DESILTING PONDS.
5. EROSION CONTROL BERM MUST BE IN PLACE PRIOR TO ANY CONSTRUCTION ON SITE.
6. REPAIR OF DAMAGED FACILITIES AND CLEAN-UP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
7. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL (CITY) ACCEPTANCE OF ANY PROJECT.



EROSION CONTROL BERM DETAIL

NOT TO SCALE

MATCHLINE

NOT PART OF THIS CONTRACT

PALOMAS BLVD.

HERITAGE HILLS UNIT 6

RETAINING WALL TYPE 1

548' 51.29' W 5251.73'

NGS MONUMENT "2-D20-A" NM STATE PLANE COORDINATES NAD 1927 X=410,218.35 Y=1,516,110.28 EL=5378.787 G-G=0.99964777 ??=-0°10'23"

VENTURA STREET NE

5550

5549.98

5549.08

5548.31

5546.46

5545.32

5542.17

5540.12

5537.20

5534.28

5532.63

5531.37

5529.91

5528.45

5526.99

5525.54

5524.08

5522.62

5521.16

5519.70

5518.24

5516.78

5515.32

5513.86

5512.40

5510.94

5509.48

5508.02

5506.56

5505.10

5503.64

5502.18

5500.72

5499.26

5497.80

5496.34

5494.88

5493.42

5491.96

5490.50

5489.04

5487.58

5486.12

5484.66

5483.20

5481.74

5480.28

5478.82

5477.36

5475.90

5474.44

5472.98

5471.52

5470.06

5468.60

5467.14

5465.68

5464.22

5462.76

5461.30

5459.84

5458.38

5456.92

5455.46

5454.00

5452.54

5451.08

5449.62

5448.16

5446.70

5445.24

5443.78

5442.32

5440.86

5439.40

5437.94

5436.48

5435.02

5433.56

5432.10

5430.64

5429.18

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5407.28

5405.82

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5402.90

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5400.00

5398.54

5397.08

5395.62

5394.16

5392.70

5391.24

5389.78

5388.32

5386.86

5385.40

5383.94

5382.48

5381.02

5379.56

5378.10

5376.64

5375.18

5373.72

5372.26

5370.80

5369.34

5367.88

5366.42

5364.96

5363.50

5362.04

5360.58

5359.12

5357.66

5356.20

5354.74

5353.28

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5350.36

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5345.98

5344.52

5343.06

5341.60

5340.14

5338.68

5337.22

5335.76

5334.30

5332.84

5331.38

5329.92

5328.46

5327.00

5325.54

5324.08

5322.62

5321.16

5319.70

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5316.78

5315.32

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5312.40

5310.94

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5211.66

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5178.10

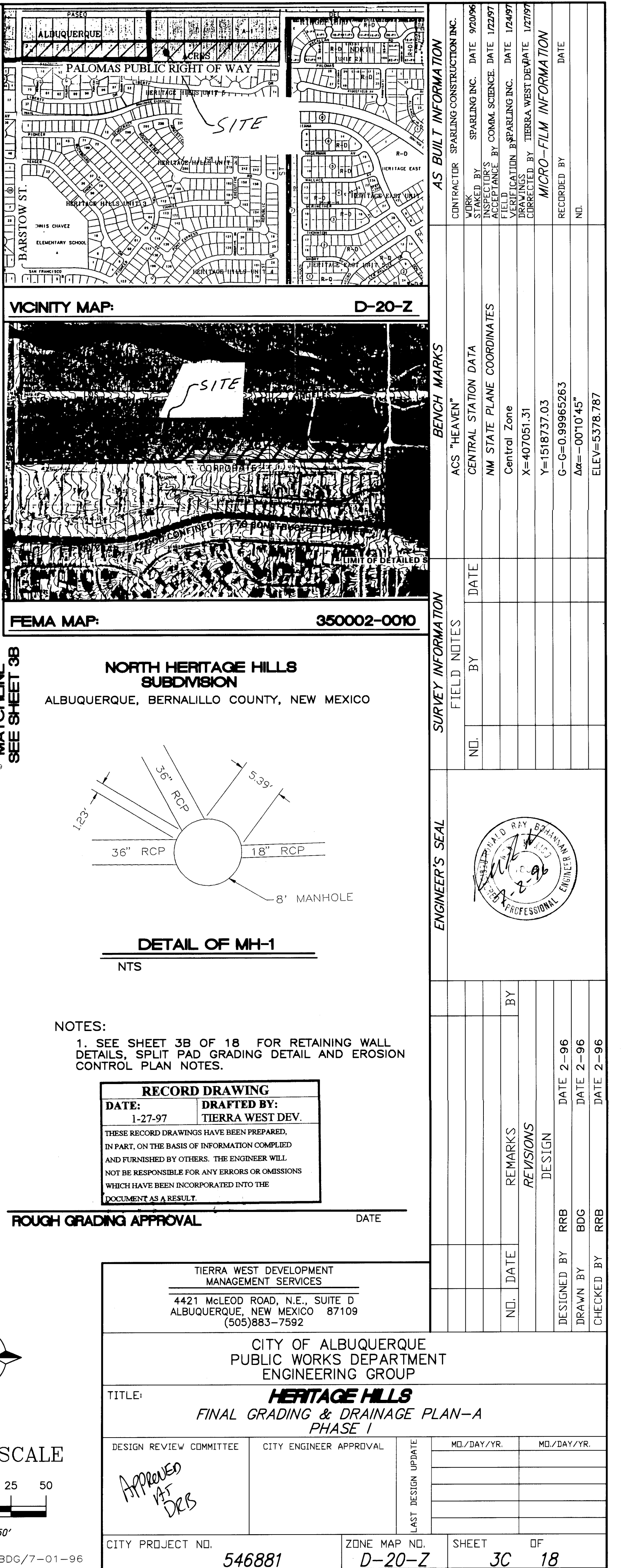
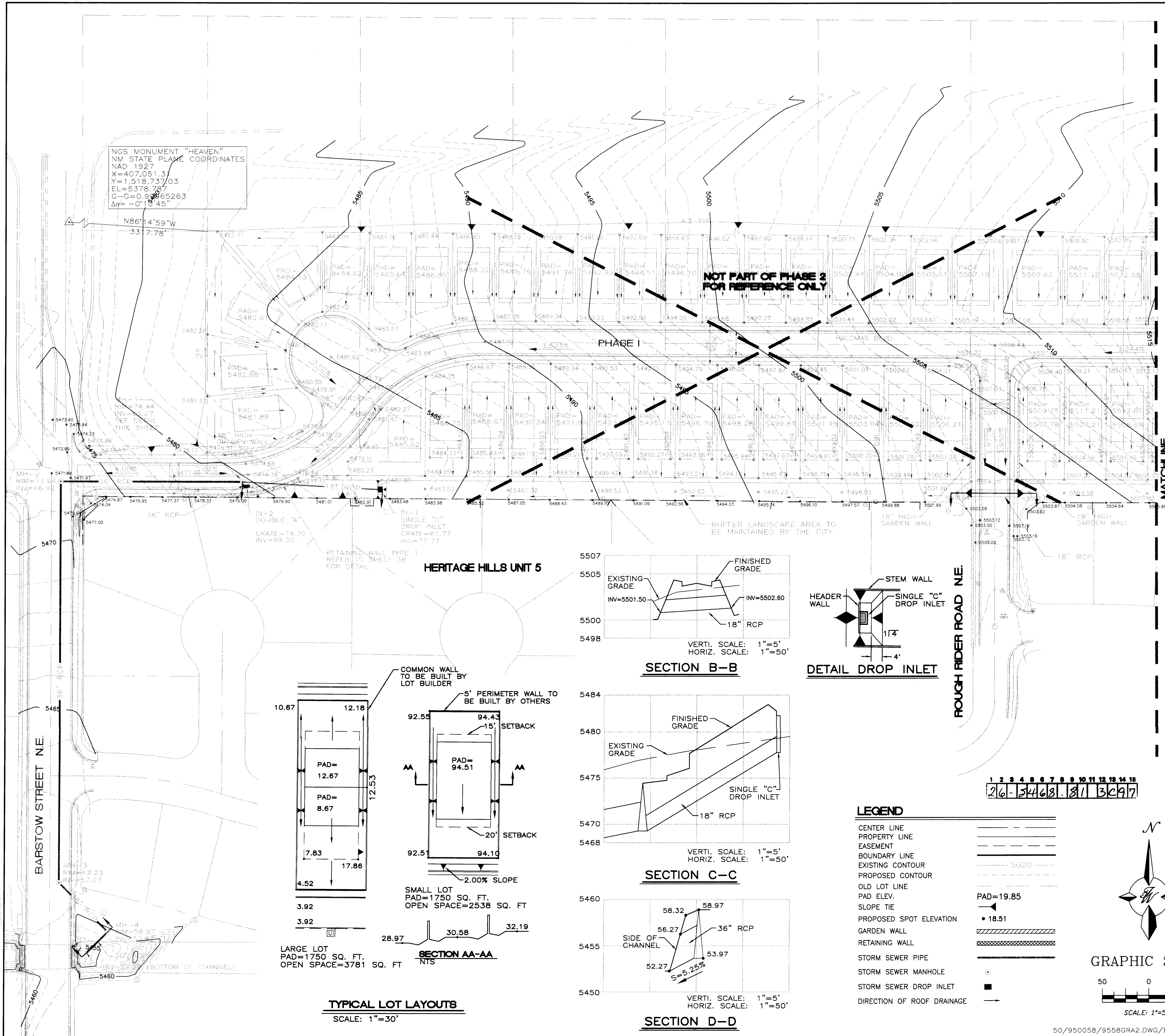
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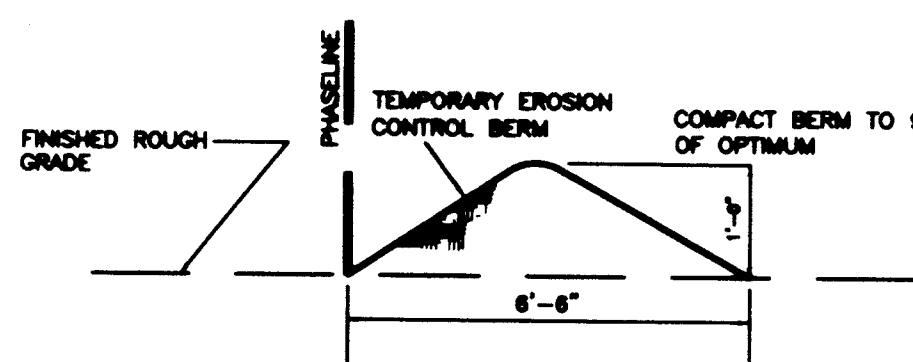
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5170.80



EROSION CONTROL PLAN NOTES

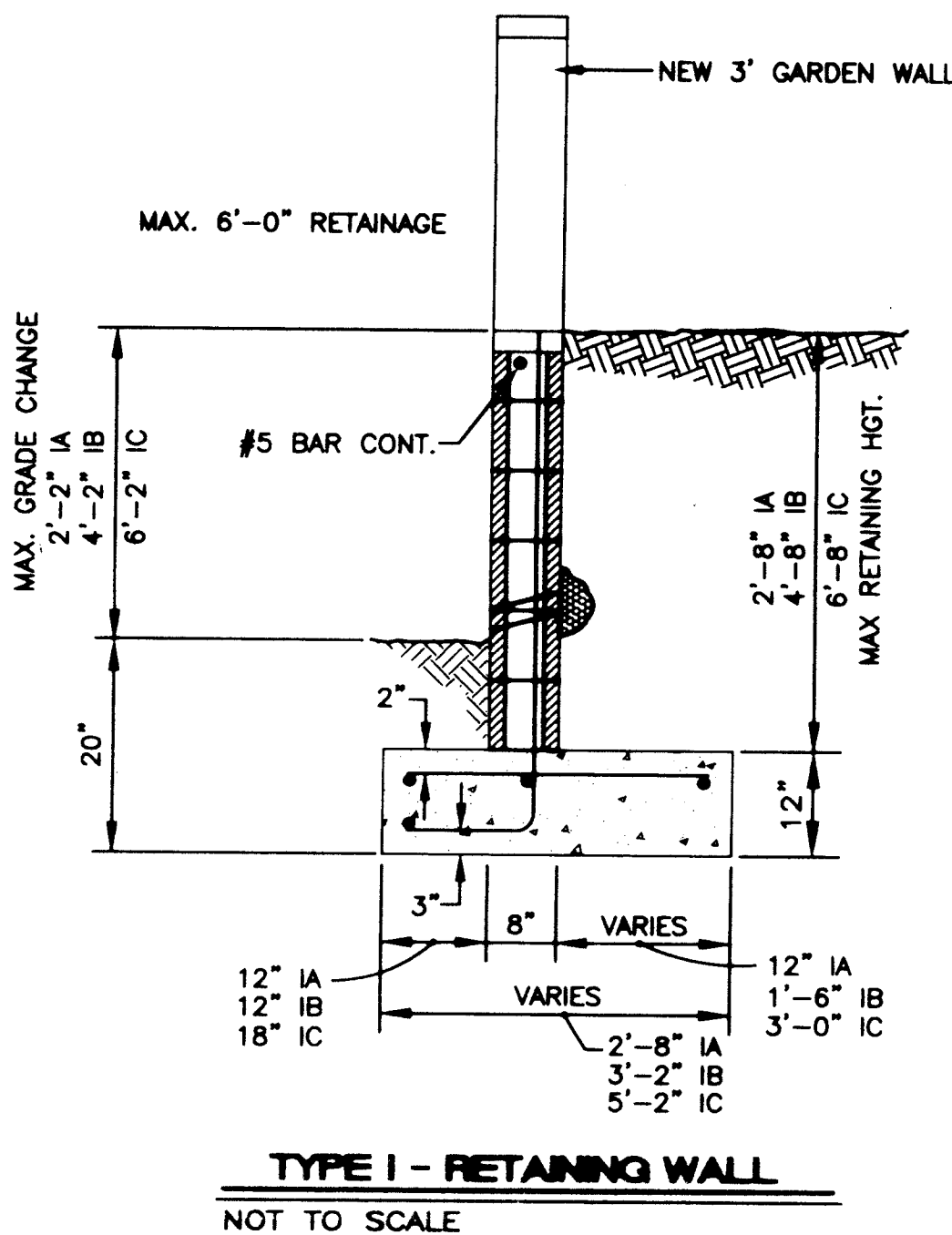
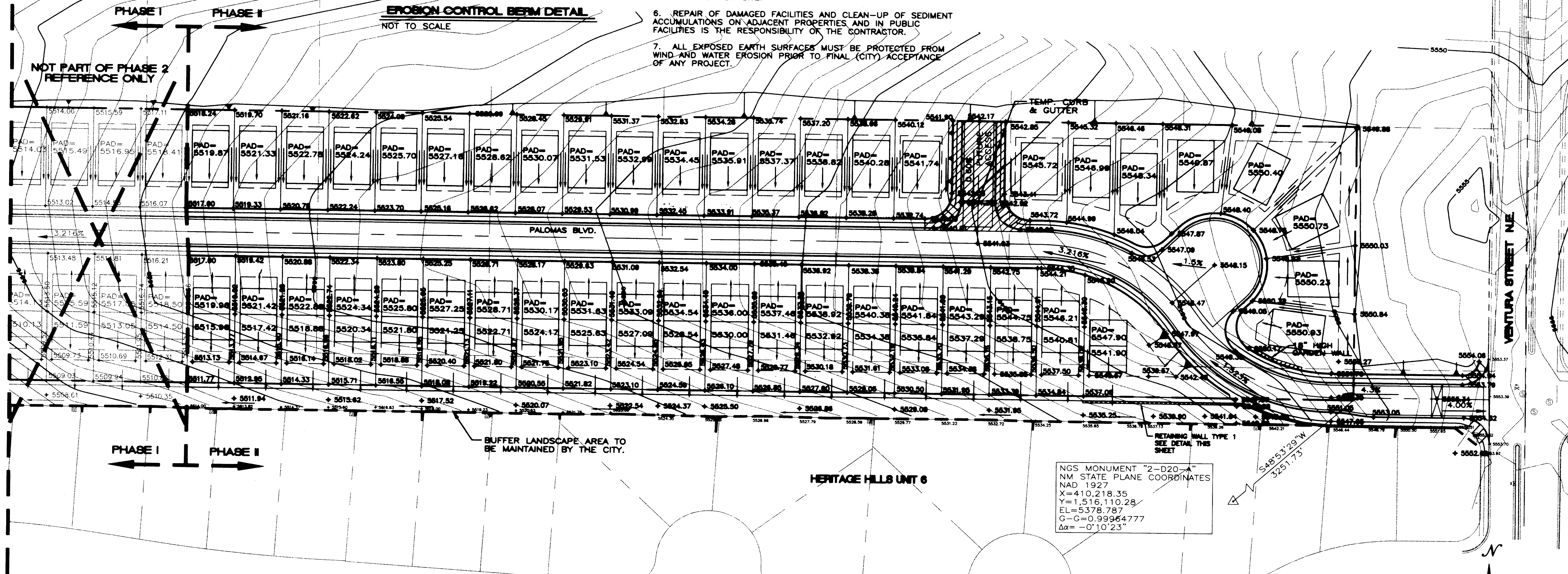
1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT OUT OF EXISTING RIGHT-OF-WAY.
3. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE RUN-OFF ON SITE DURING CONSTRUCTION.
4. EROSION CONTROL BERM IS REQUIRED ALONG THE PHASELINE TO NEW DESILTING PONDS. SEE THIS PAGE FOR LOCATION OF TEMPORARY BERM AND DESILTING PONDS.
5. EROSION CONTROL BERM MUST BE IN PLACE PRIOR TO ANY CONSTRUCTION ON SITE.
6. REPAIR OF DAMAGED FACILITIES AND CLEAN-UP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
7. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND- AND WATER EROSION PRIOR TO FINAL (CITY) ACCEPTANCE OF ANY PROJECT.



EROSION CONTROL BERM DETAIL

NOT TO SCALE

MATCHLINE



TYPE I - RETAINING WALL

NOT TO SCALE

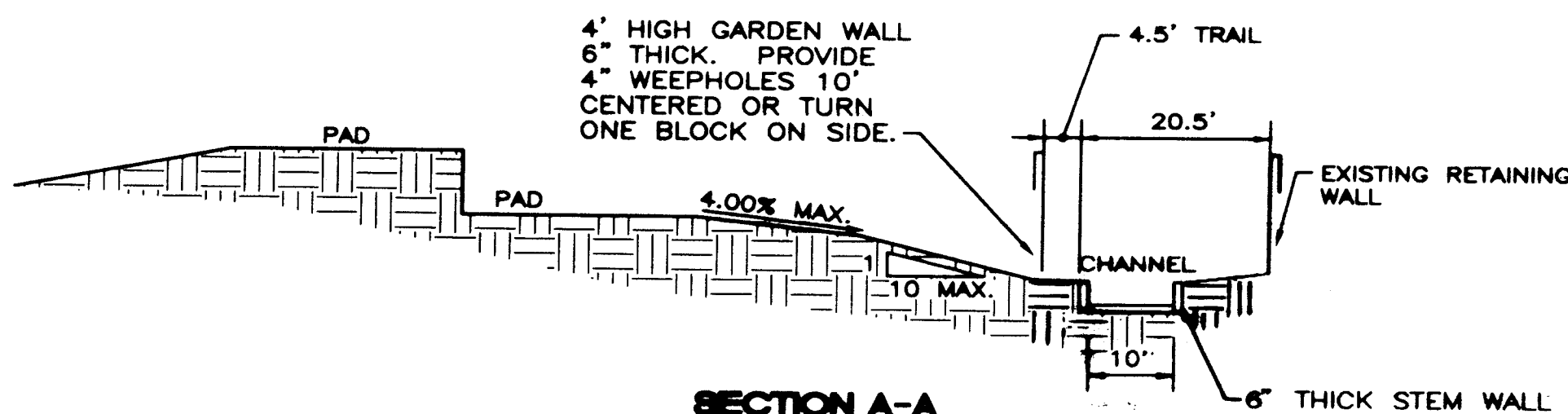
WALL	DOWEL BAR	VERTICAL BAR	HEEL BAR	LONG BAR	LAD. SPLICE
IA	#3 @ 16"	#3 @ 16 OR #4 @ 32"	#3 @ 16"	(4) #4	18"
IB & IA	#3 @ 16"	#3 @ 16 OR #4 @ 32"	#3 @ 16"	(4) #4	18"
IC	#5 @ 16"	#5 @ 16 OR #7 @ 32"	#5 @ 16"	(5) #4	24"
IIB	#4 @ 16"	#4 @ 16 OR #5 @ 32"	#3 @ 16"	(4) #4	18"

GROUT SOLID
8" CMU.
#2-32" SOIL WGT.=110 PCF
ALLOW = 1500PSF

DESIGN FOR:
IA 2'-8" RETAINED HGT 2'-2" GRADE CHANGE
IB 4'-8" RETAINED HGT 4'-2" GRADE CHANGE
IC 6'-8" RETAINED HGT 6'-2" GRADE CHANGE

GENERAL NOTES:

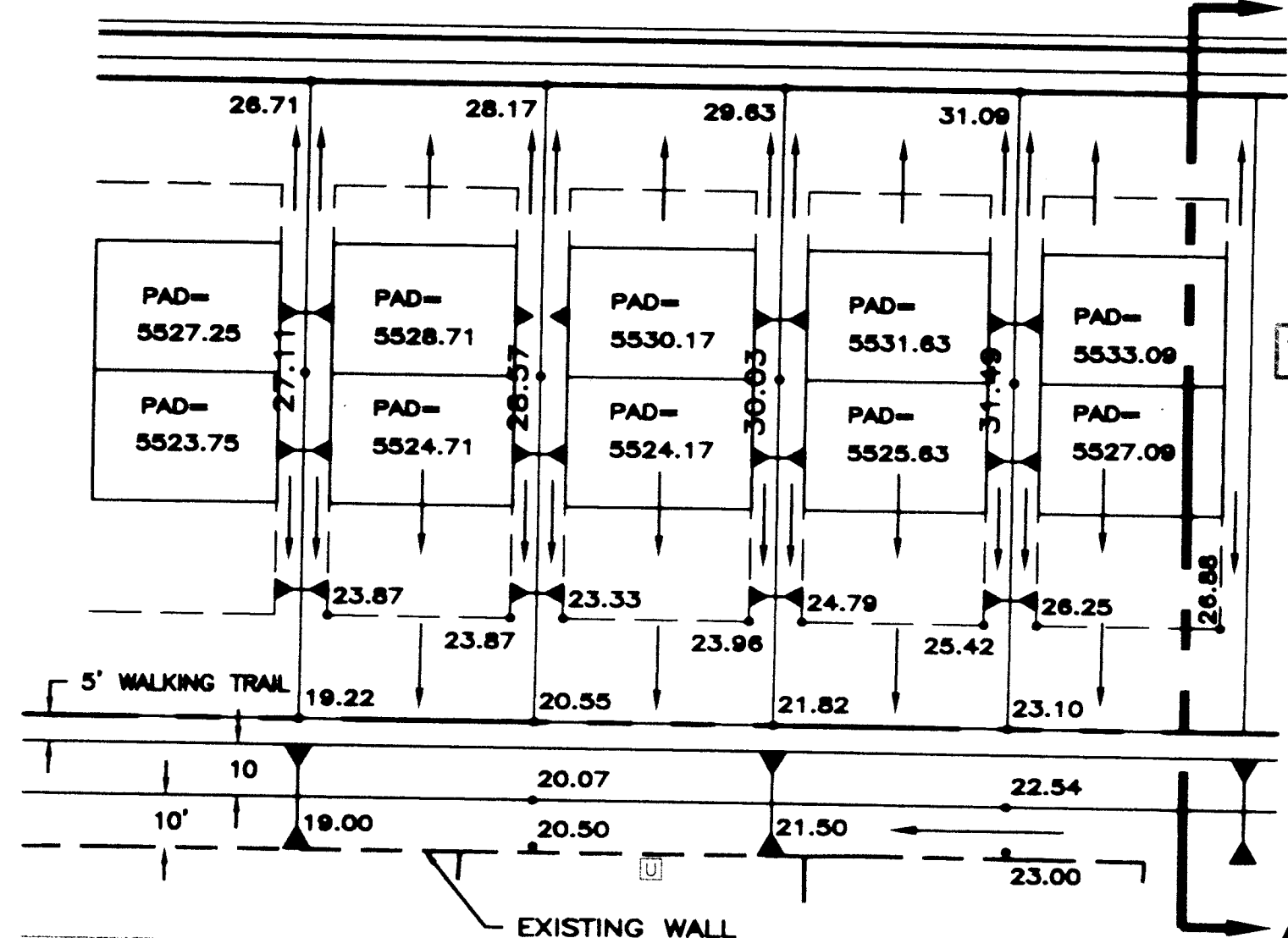
1. ALL CONCRETE IS TO BE 4000 PSI @ 28 DAYS.
2. MINIMUM COMPACTION UNDER FOOTINGS IS TO BE 95% PER ASTM D 1557 FOR A DEPTH OF 12" MOISTURE CONTENT IS TO BE ± 2.0%.
3. BACKFILL AGAINST WALLS OS TO BE HAND-PLACED AND COMPACTED.
4. ALL DMS ARE TO BE GRADE 60, ASTM 615.
5. TRUSS TYPE DUR-O-WALL EVERY OTHER COURSE.



SECTION A-A

NOT TO SCALE

BUILD CHANNEL TO CITY STD #2260
TYPE "B". SEE SHEET 16 OF 18 FOR DETAIL.



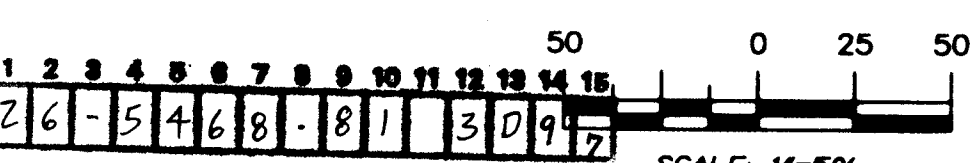
TYPICAL SPLIT PAD GRADING DETAIL

SCALE: 1"=30'

NOTE:
ALL ELEVATIONS ARE +5500.

RECORD DRAWING
DATE: 1-27-97
DRAFTED BY: TERRA WEST DEV.
THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE DOCUMENT AS A RESULT.

GRAPHIC SCALE



TERRA WEST DEVELOPMENT
MANAGEMENT SERVICES
4421 MCLEOD ROAD, N.E., SUITE D
ALBUQUERQUE, NEW MEXICO 87109
(505)883-7592

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
TITLE: NORTH HERITAGE HILLS FINAL GRADING & DRAINAGE PLAN-B PHASE II			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
DESIGNED BY: RRB	DRAWN BY: BDG	DATE: 2-96	DATE: 2-96
CHECKED BY: RRB	DATE: 2-96		
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
546881	D-20-Z	30	18

50/950058/9558GRB2.DWG/BDG/7-01-96

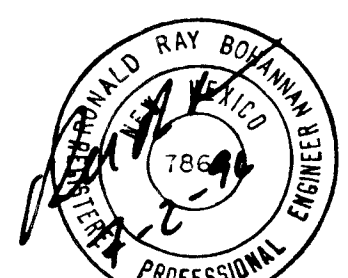
SCANNED BY
BY LASON

AS BUILT INFORMATION

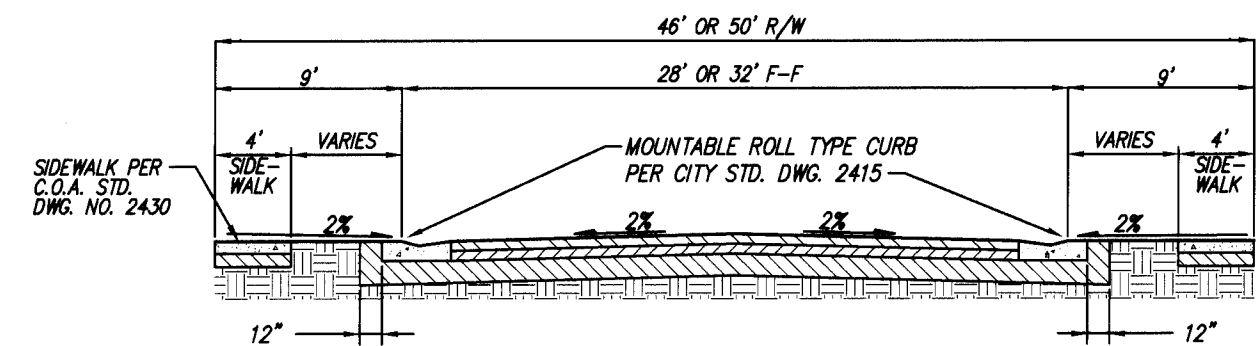
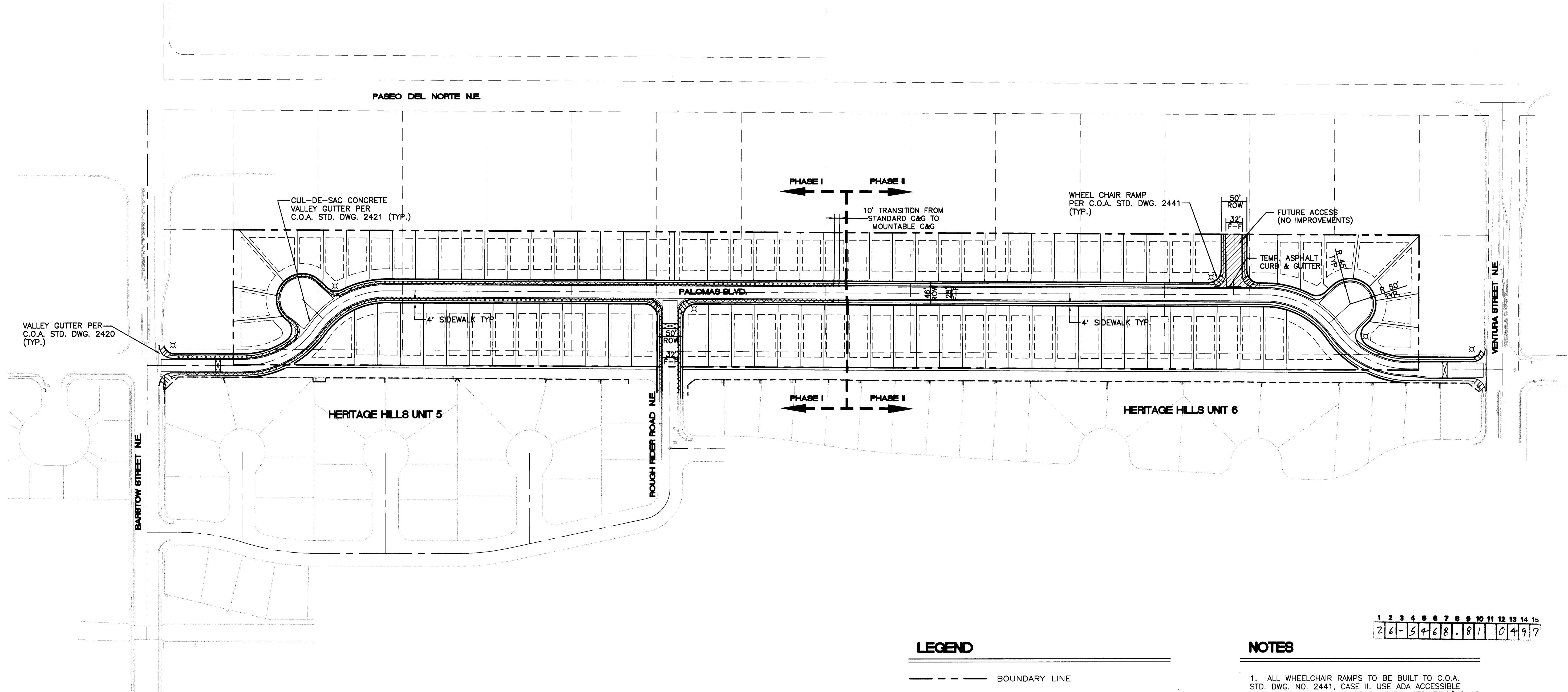
SURVEY INFORMATION

ENGINEER'S SEAL

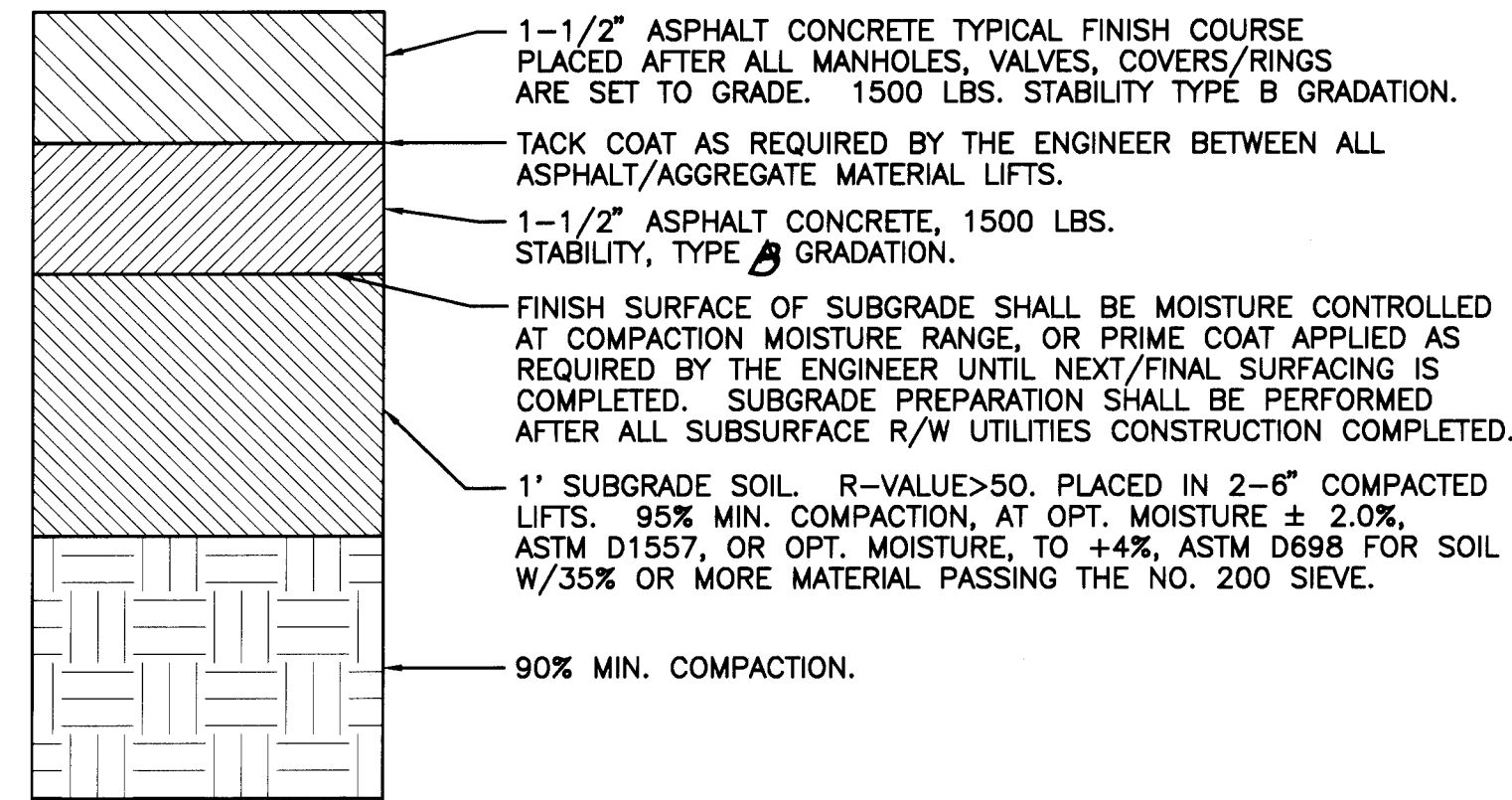
CONTRACTOR	SPARKLING CONSTRUCTION INC.	DATE	9/20/96
STAKED BY	SPARKLING INC.	DATE	1/22/97
INSPECTOR'S	BY COMA SCIENCE	DATE	1/22/97
FIELD	BY TERRA WEST DEV.	DATE	1/22/97
REVISION	BY TERRA WEST DEV.	DATE	1/22/97
COMPILED BY	TERRA WEST DEV.	DATE	1/22/97
RECORDED BY		DATE	
NO.			



NO.	DATE	REVISIONS	BY
		DESIGN	
		DATE: 2-96	
		DATE: 2-96	
		DATE: 2-96	



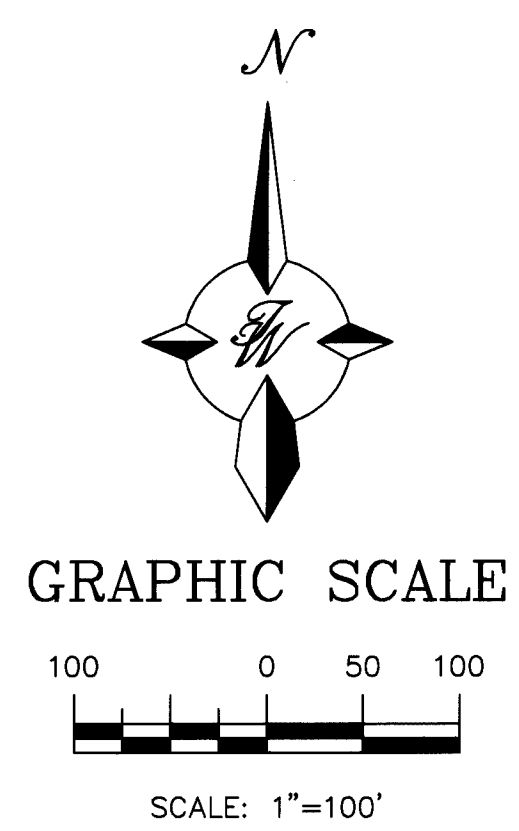
TYPICAL STREET SECTION
NOT TO SCALE



TYPICAL PAVING SECTION
PER COA STD DWG #2405

- LEGEND**
- BOUNDARY LINE
 - LOT LINE
 - EASEMENT LINE
 - CENTER LINE
 - 4" MOUNTABLE CURB AND GUTTER
 - EXISTING CURB AND GUTTER
 - SETBACK LINE
 - SIDEWALK
 - PHASELINE
 - 8" STANDARD CURB AND GUTTER
 - STREET LIGHT

- NOTES**
- ALL WHEELCHAIR RAMPS TO BE BUILT TO C.O.A. STD. DWG. NO. 2441, CASE II. USE ADA ACCESSIBLE ROUTE RAMP SLOPES BASED ON C.O.A. STD. DWG# 2440 FOR SLOPES GREATER THAN 2%.



RECORD DRAWING	
DATE: 1-27-97	DRAFTED BY: TIERRA WEST DEV.
THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE DOCUMENT AS A RESULT.	

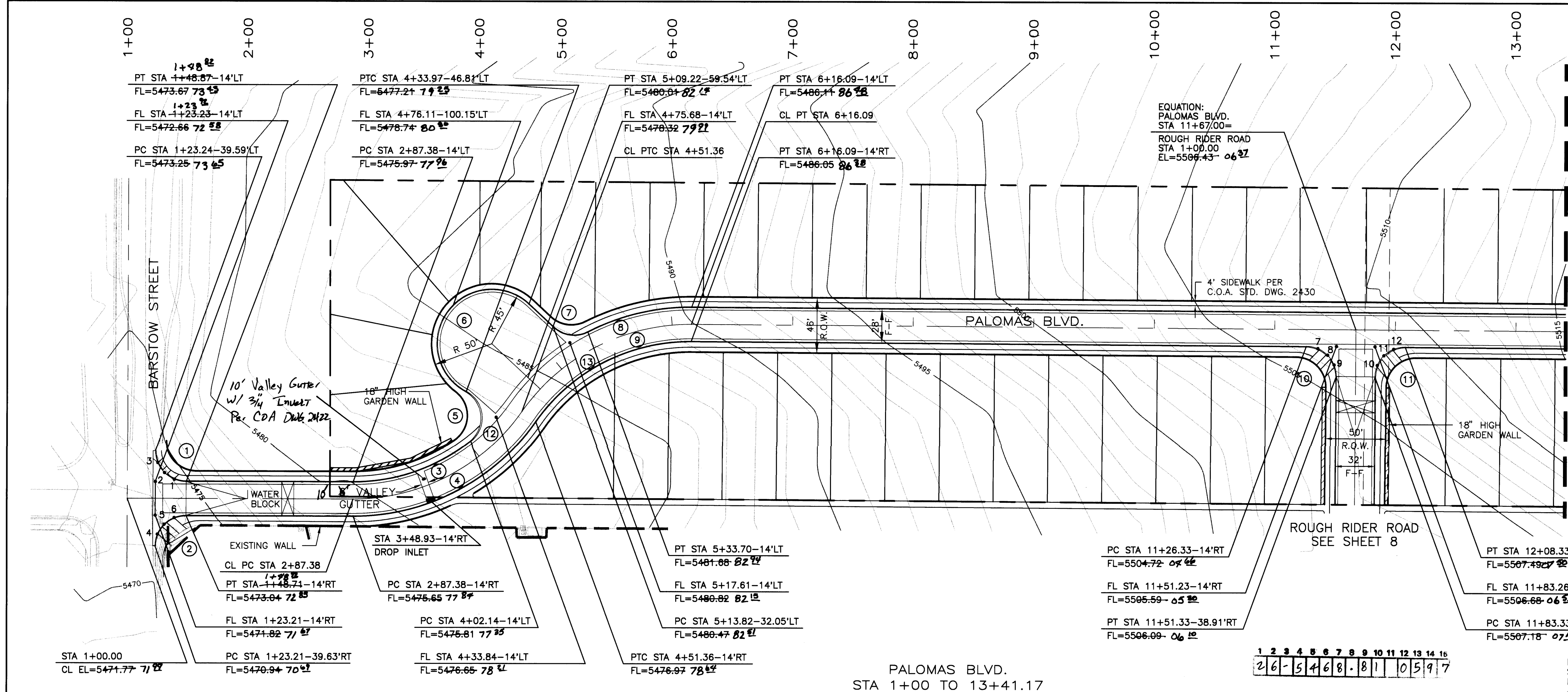
DRB 95-411
TIERRA WEST DEVELOPMENT
MANAGEMENT SERVICES
4421 McLEOD ROAD, N.E., SUITE D
ALBUQUERQUE, NEW MEXICO 87109
(505)883-7592

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP
**NORTH HERITAGE HILLS
MASTER PAVING
PLAN**

DESIGN REVIEW COMMITTEE APPROVE 27 1996	CITY ENGINEER APPROVAL APPROVE 13 1996
---	--

CITY PROJECT NO. 546881	ZONE MAP NO. D-20-Z	SHEET 4 OF 18
-------------------------	---------------------	---------------

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	BY	DATE	ACS "HEAVEN"	CONTRACTOR	SPARLING CONSTRUCTION INC.
			CENTRAL STATION DATA	WORK STARTED BY	SPARLING INC.
			NM STATE PLANE COORDINATES	FIELD ACCEPTANCE	DATE 9/20/96
			Central Zone	DATE 1/23/97	
			X=407051.31	FIELD REVISION	DATE 1/24/97
			Y=1518737.03	DATE 1/23/97	
			G-G=0.99965263	DATE 1/23/97	
			Δx=-0010'45"	DATE 1/23/97	
			ELEV=5378.787	DATE 1/23/97	



CURVE DATA (DESCRIBES FACE OF CURB)

① R = 25.00' Δ = 92°10'39" L = 40.22' T = 25.97'	② R = 25.00' Δ = 92°16'09" L = 40.26' T = 26.01'	③ R = 156.00' Δ = 38°40'55" L = 105.32' T = 54.76'
④ R = 184.00' Δ = 55°16'07" L = 177.49' T = 96.33'	⑤ R = 25.00' Δ = 113°29'29" L = 49.52' T = 38.13'	⑥ R = 45.00' Δ = 195°11'15" L = 153.30' T = ---
⑦ R = 25.00' Δ = 70°32'33" L = 30.78' T = 17.68'	⑧ R = 184.00' Δ = 27°46'00" L = 89.17' T = 45.48'	⑨ R = 156.00' Δ = 55°31'05" L = 151.16' T = 82.11'
⑩ R = 25.00' Δ = 89°47'38" L = 39.18' T = 24.91'	⑪ R = 25.00' Δ = 90°09'38" L = 39.34' T = 25.07'	

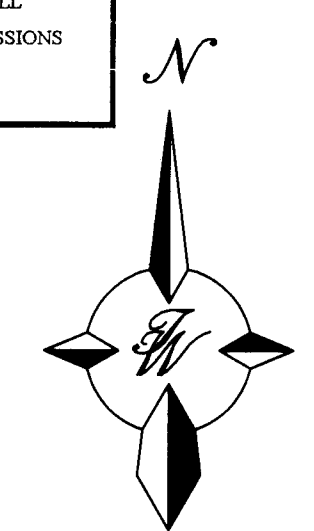
CURVE DATA (DESCRIBES CENTERLINE)

⑫ R = 170.00' Δ = 55°16'01" L = 163.98' T = 89.00'	⑬ R = 170.00' Δ = 55°30'58" L = 164.72' T = 89.47'
---	---

CURB RETURN QUARTER POINTS

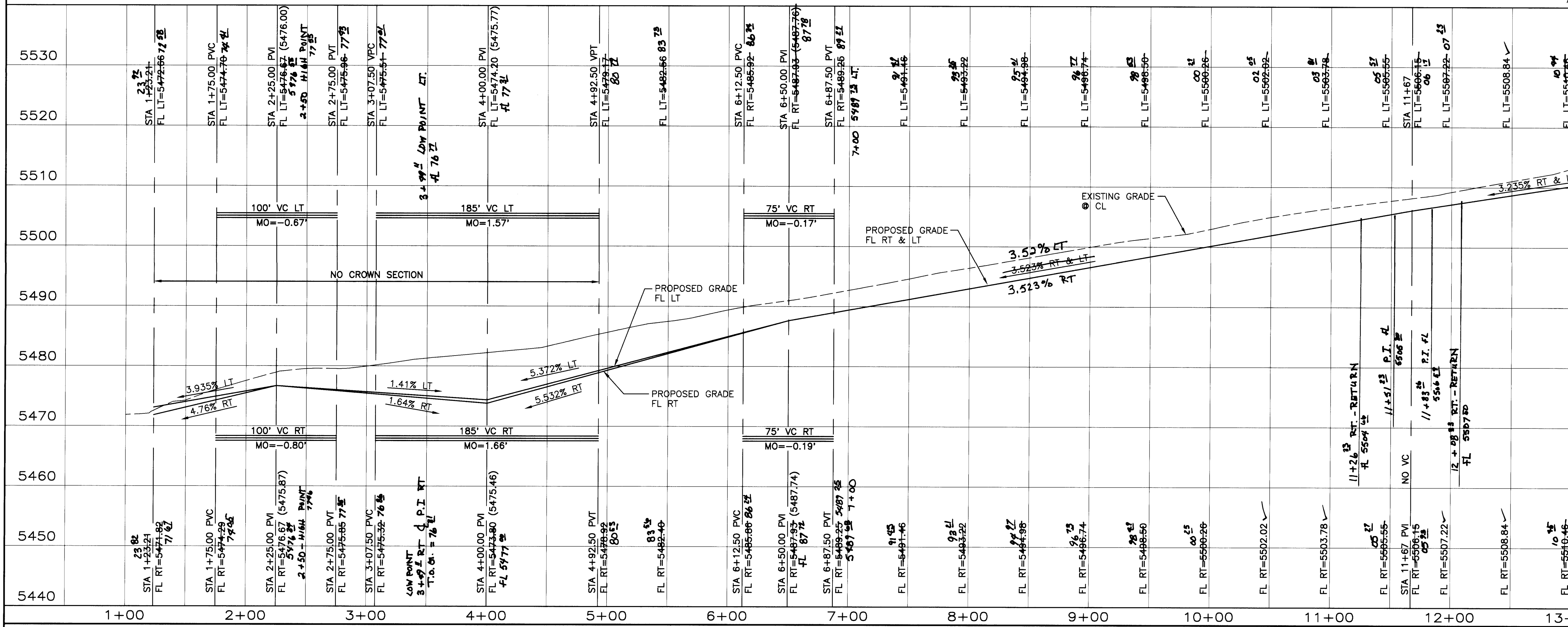
FL	ELEV	FL	ELEV
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2 5472.86		5 5472.02	
3 5472.96		6 5472.56	
7 5505.16		10 5506.93	
8 5505.69		11 5506.78	
9 5505.94		12 5507.09	

RECORD DRAWING
DATE: 1-27-97
DRAFTED BY: TIERRA WEST DEV.
THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE DOCUMENT AS A RESULT.



NOTE: SEE MASTER PAVING PLAN FOR WHEELCHAIR RAMP TYPE AND STREET SECTIONS.

SCALE: HORIZ. 1"=50'
VERT. 1"=10'



DRB 95-411

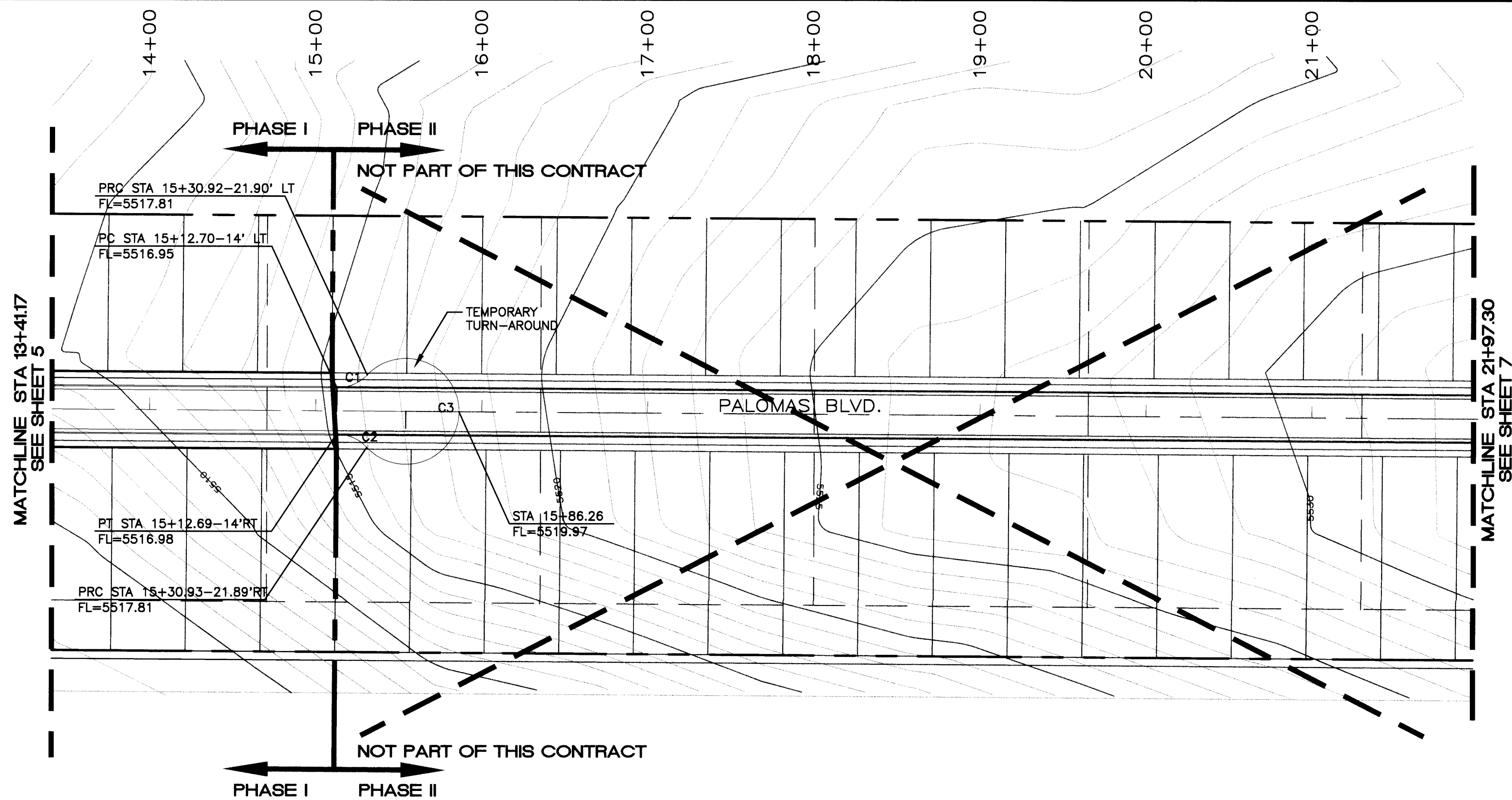
TIERRA WEST DEVELOPMENT
MANAGEMENT SERVICES
4421 McLEOD ROAD, N.E., SUITE D
ALBUQUERQUE, NEW MEXICO 87109
(505)883-7592

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

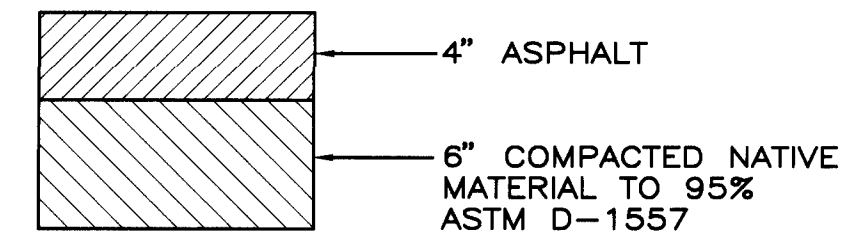
TITLE: **NORTH HERITAGE HILLS**
PAVING IMPROVEMENTS
PALOMAS BLVD. STA 1+00.00 TO 13+41.17

APPROVE
DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL
LAST DESIGN UPDATE

CITY PROJECT NO. 546881
ZONE MAP NO. D-20-Z
SHEET 5 OF 18

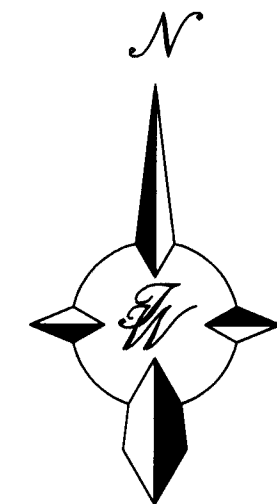


CURVE DATA						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	25.00'	20.43'	10.82'	19.87'	N66°54'55"E	48°48'09"
C2	25.00'	20.43'	10.83'	19.87'	N68°15'25"W	48°48'53"
C3	32.00'	152.84'	30.02'	43.79'	N00°19'56"E	27°33'10"



TEMPORARY PAVING SECTION
NTS

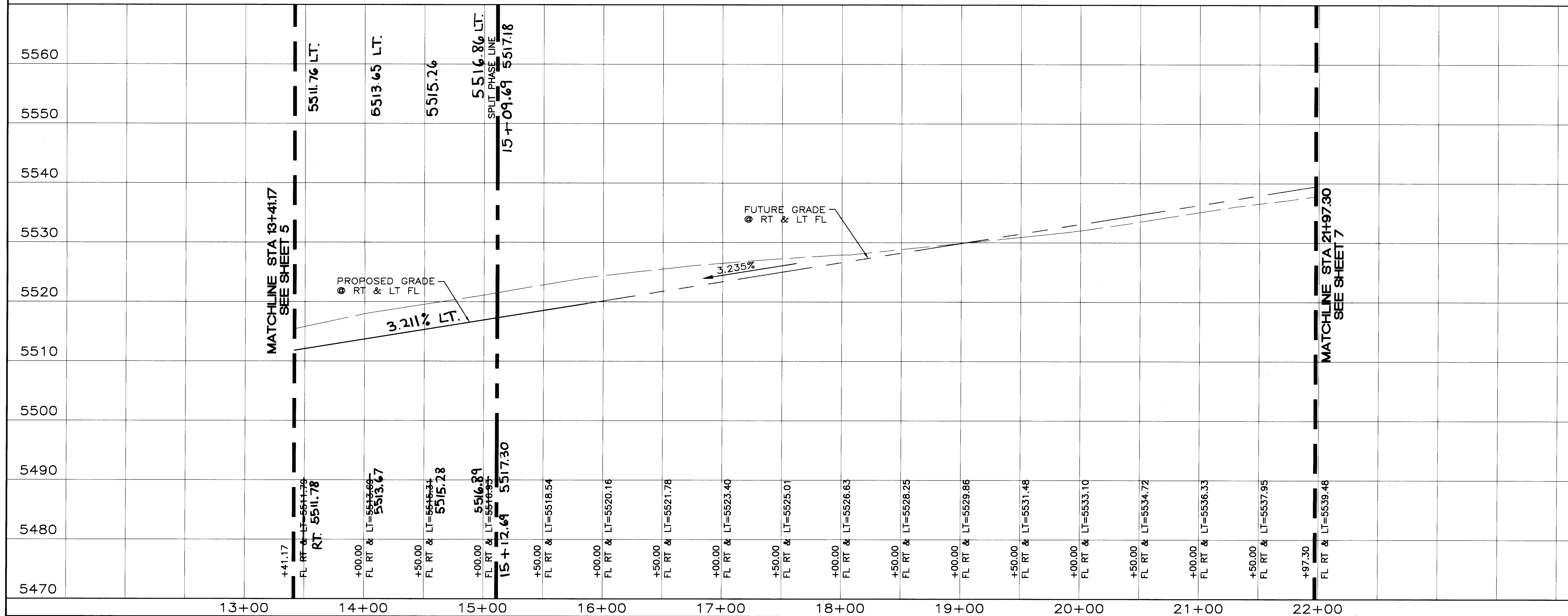
RECORD DRAWING	
DATE: 1-27-97	DRAFTED BY: TIERRA WEST DEV.
THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE DOCUMENT AS A RESULT.	



SCALE: HORIZ. 1"=50'
VERT. 1"=10'

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
26-5468.81 0697

PALOMAS BLVD.
STA 13+41.17 TO 21+97.30



DRB 95-411
TIERRA WEST DEVELOPMENT
MANAGEMENT SERVICES
4421 McLEOD ROAD, N.E., SUITE D
ALBUQUERQUE, NEW MEXICO 87109
(505)883-7592

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP
TITLE: **NORTH HERITAGE HILLS**
PAVING IMPROVEMENTS
PALOMAS BLVD. STA 13+41.17 TO 21+97.30

DESIGN REVIEW COMMITTEE
APPROVED
AUG 27 1996
DESIGN REVIEW COMMITTEE

CITY ENGINEER
APPROVED
SEP 13 1996
CITY ENGINEER

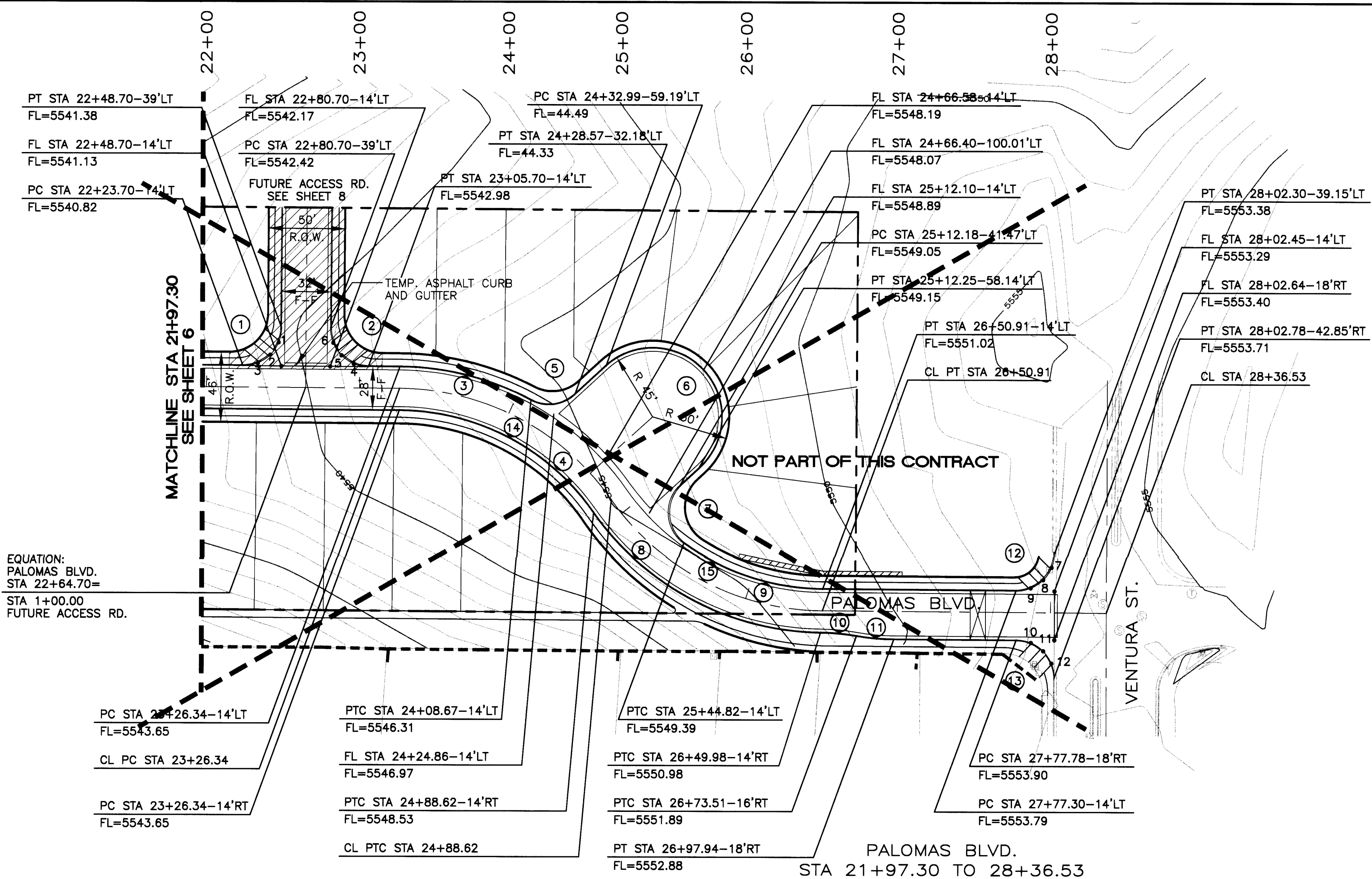
LAST DESIGN UPDATE
MO./DAY/YR. MO./DAY/YR.
DESIGNED BY RRB DATE 3-96
DRAWN BY JDN DATE 3-96
CHECKED BY RRB DATE 3-96

50\950058\9558PP2.DWG\JDN\8-05-96

546881 D-20-Z

SHEET 6 OF 18

SCANNED BY
BY LASON



CURVE DATA (DESCRIBES FACE OF CURB)

① R = 25.00' Δ = 90°00'01" L = 39.27' T = 25.00'	② R = 25.00' Δ = 90°00'01" L = 39.27' T = 25.00'	③ R = 184.00' Δ = 27°45'04" L = 89.12' T = 45.45'
④ R = 156.00' Δ = 54°41'44" L = 148.92' T = 80.68'	⑤ R = 25.00' Δ = 70°50'26" L = 30.91' T = 17.78'	⑥ R = 45.00' Δ = 179°59'52" L = 141.37' T = 45.00'
⑦ R = 25.00' Δ = 101°09'41" L = 44.14' T = 30.41'	⑧ R = 184.00' Δ = 54°23'03" L = 174.65' T = 94.53'	⑨ R = 156.00' Δ = 35°45'17" L = 97.35' T = 50.32'
⑩ R = 150.00' Δ = 09°03'37" L = 23.72' T = 11.88'	⑪ R = 150.00' Δ = 09°22'25" L = 24.54' T = 12.30'	⑫ R = 25.00' Δ = 90°06'53" L = 39.32' T = 25.05'
⑬ R = 25.00' Δ = 89°39'23" L = 39.12' T = 24.85'		

CURVE DATA (DESCRIBES CENTERLINE)

⑭ R = 170.00' Δ = 54°41'50" L = 162.29' T = 87.93'	⑮ R = 170.00' Δ = 54°41'50" L = 162.29' T = 87.93'
---	---

CURB RETURN QUARTER POINTS

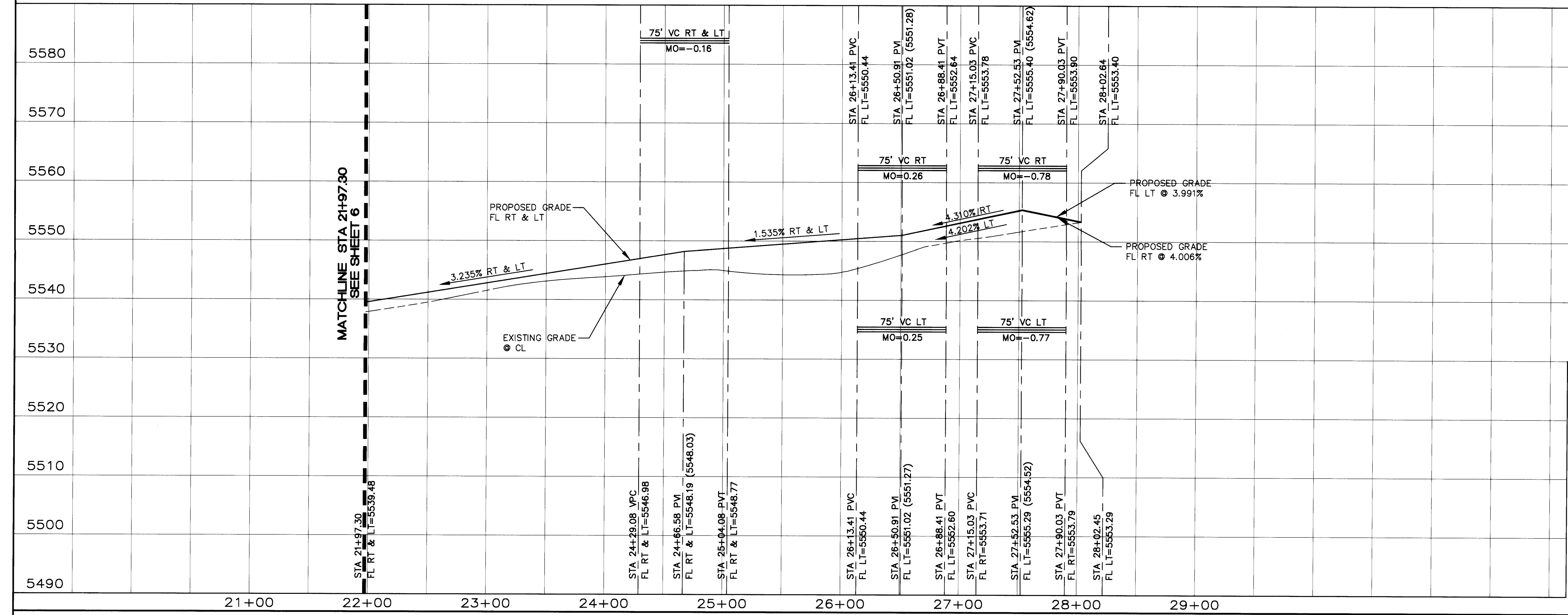
① FL ELEV 1 5541.26 2 5541.23 3 5540.98	② FL ELEV 4 5542.58 5 5542.27 6 5542.30
⑦ FL ELEV 7 5553.33 8 5553.49 9 5553.54	⑧ FL ELEV 10 5553.75 11 5553.60 12 5553.66

RECORD DRAWING
DATE: 1-27-97
DRAFTED BY: TIERRA WEST DEV.
THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE DOCUMENT AS A RESULT.

NOTE:
SEE MASTER PAVING PLAN FOR
WHEELCHAIR RAMP TYPE AND
STREET SECTIONS.

SCALE: HORIZ. 1"=50'
VERT. 1"=10'

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-5468-810797



DRB 95-411
TIERRA WEST DEVELOPMENT
MANAGEMENT SERVICES
4421 McLEOD ROAD, N.E., SUITE D
ALBUQUERQUE, NEW MEXICO 87109
(505)883-7592

**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP**

TITLE: **NORTH HERITAGE HILLS
PAVING IMPROVEMENTS
PALOMAS BLVD. STA 21+97.30 TO 28+36.53**

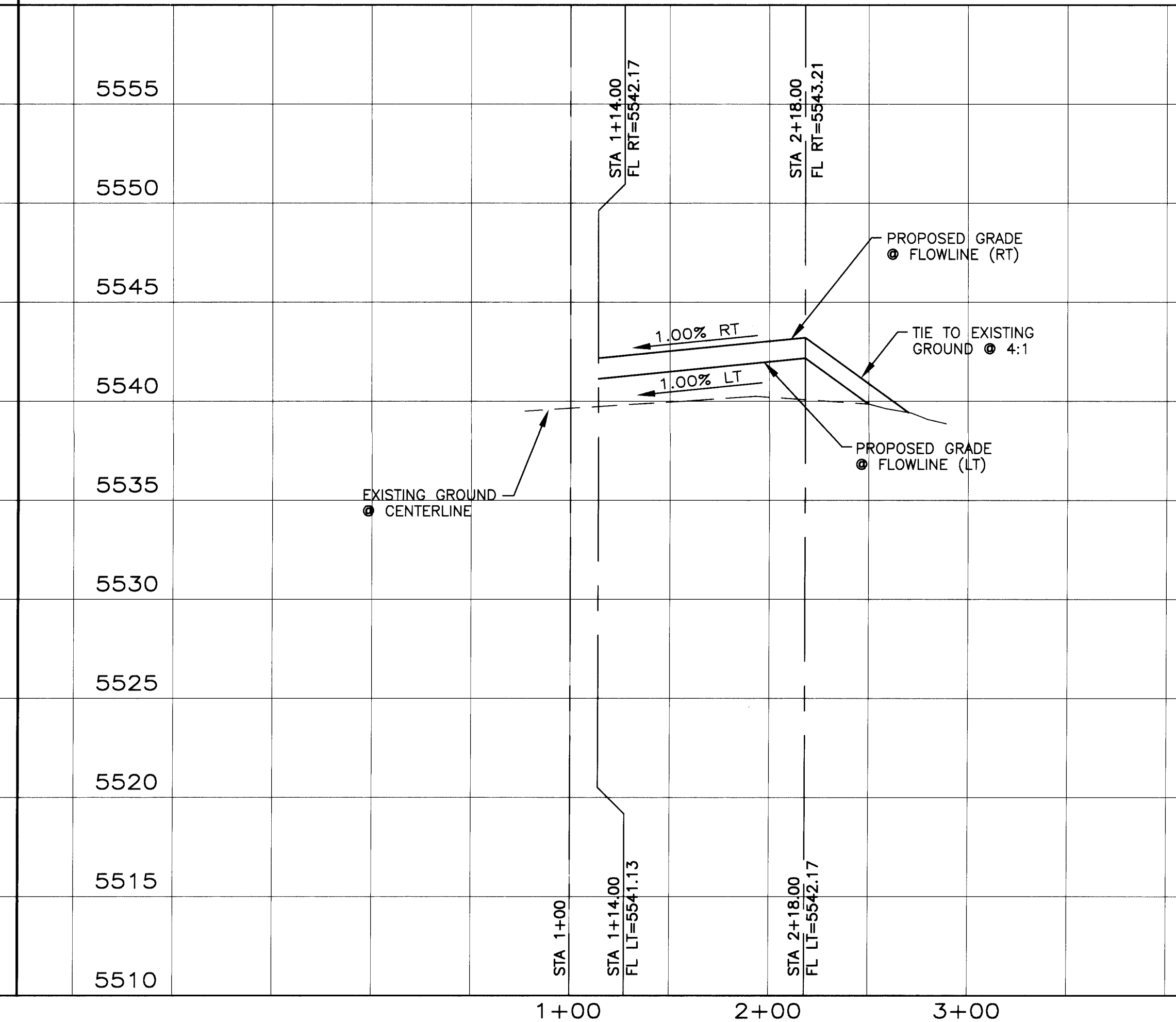
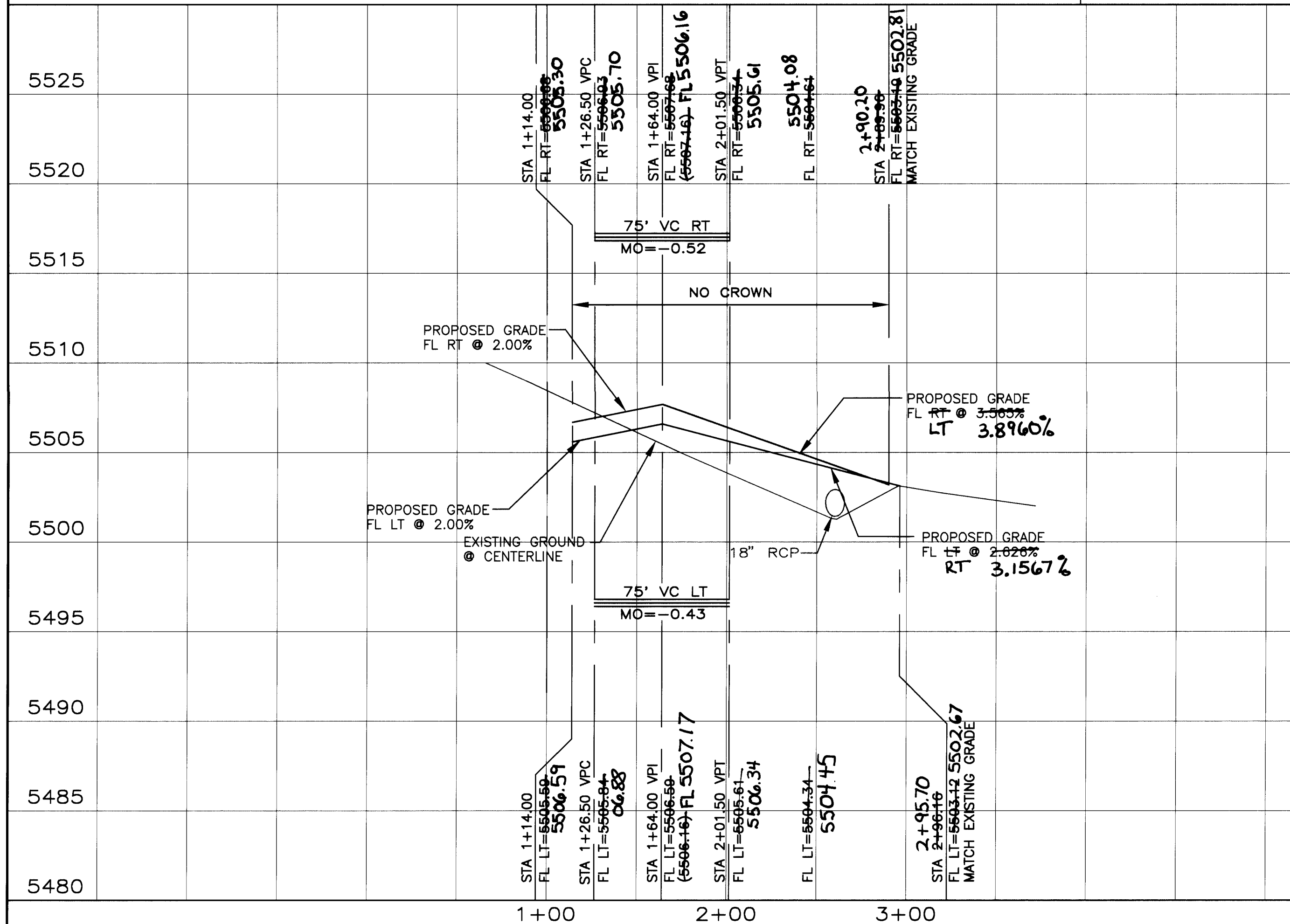
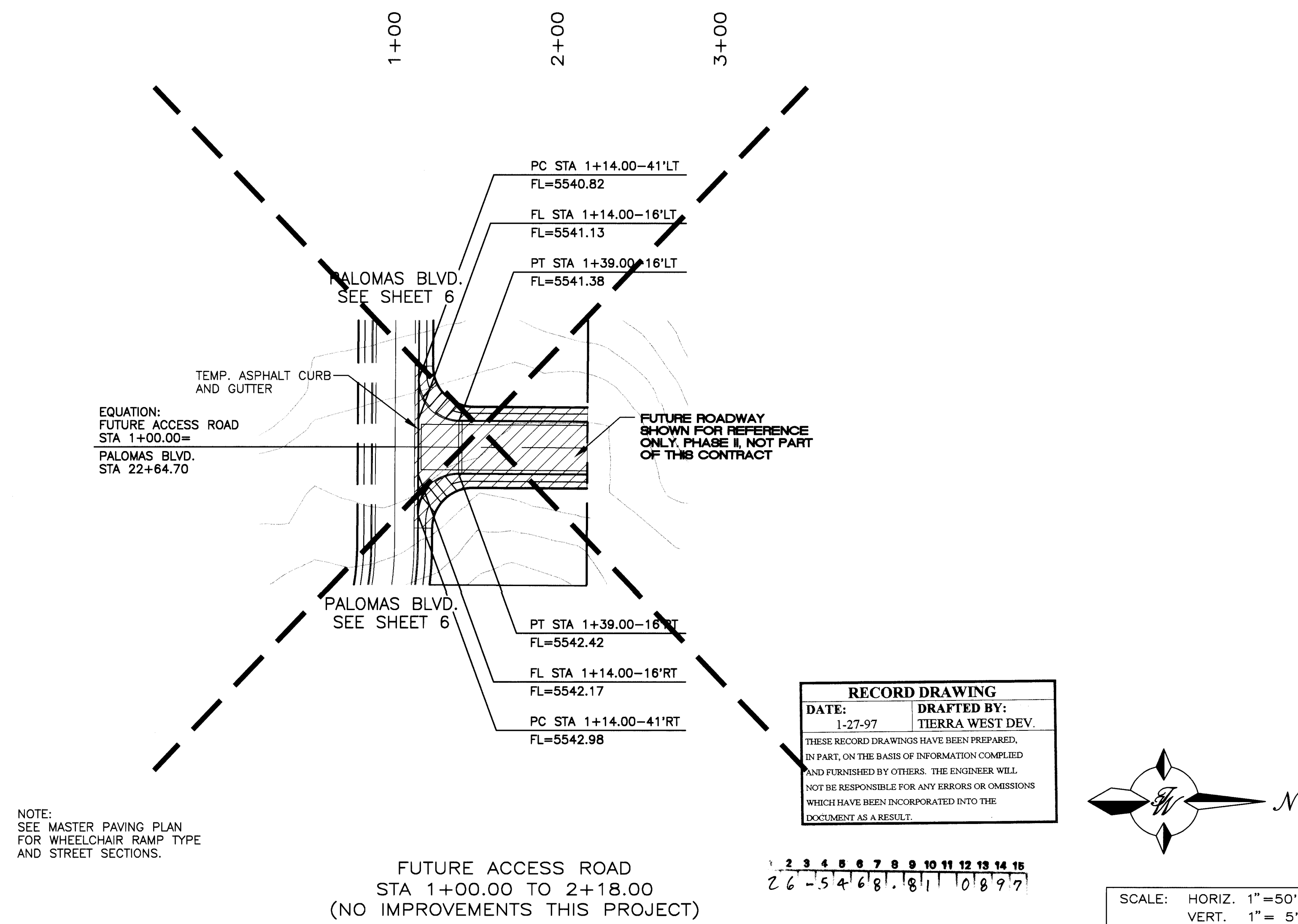
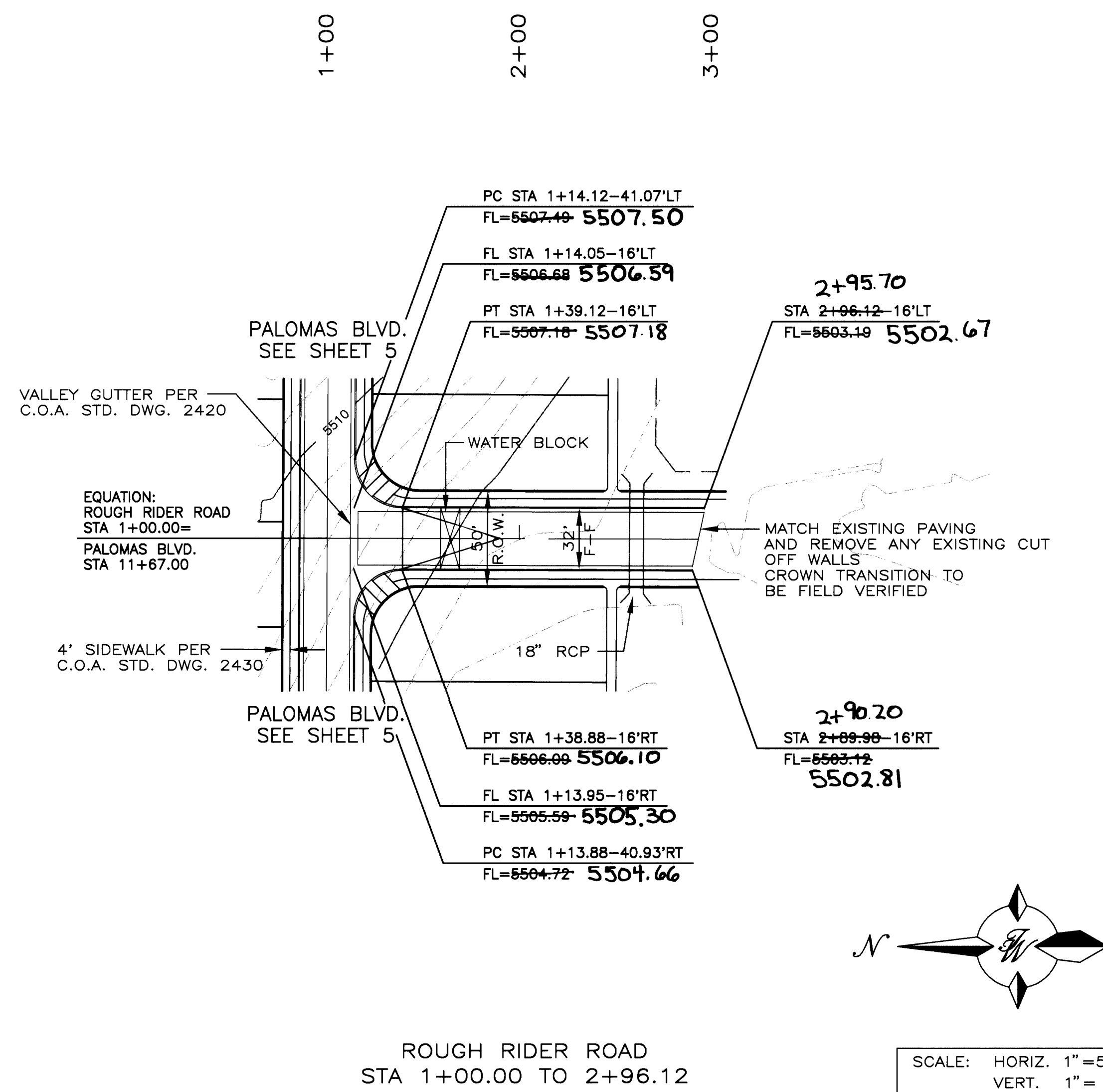
DESIGN REVIEW COMMITTEE: AUG 7 1996
CITY ENGINEER APPROVAL: SEP 1 1996
CITY ENGINEER: [Signature]

DESIGNED BY: RRB
DRAWN BY: JDN
CHECKED BY: RRB

DATE: 3-96
DATE: 3-96
DATE: 3-96

MO./DAY/YR. MO./DAY/YR.
[Blank]

QTY PROJECT NO. 546881
ZONE MAP NO. D-20-Z
SHEET 7 OF 18



TIERRA WEST DEVELOPMENT
MANAGEMENT SERVICES
4421 McLEOD ROAD, N.E., SUITE D
ALBUQUERQUE, NEW MEXICO 87109
(505)883-7592

**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP**
NORTH HERITAGE HILLS
PAVING IMPROVEMENTS
ROUGH RIDER ROAD & FUTURE ACCESS ROAD

DESIGN REVIEW COMMITTEE
AUG 1996
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL
SEP 13 1996
CITY ENGINEER

LAST DESIGN UPDATE

MO./DAY/YR.
MO./DAY/YR.

DESIGNED BY
DRAWN BY
CHECKED BY

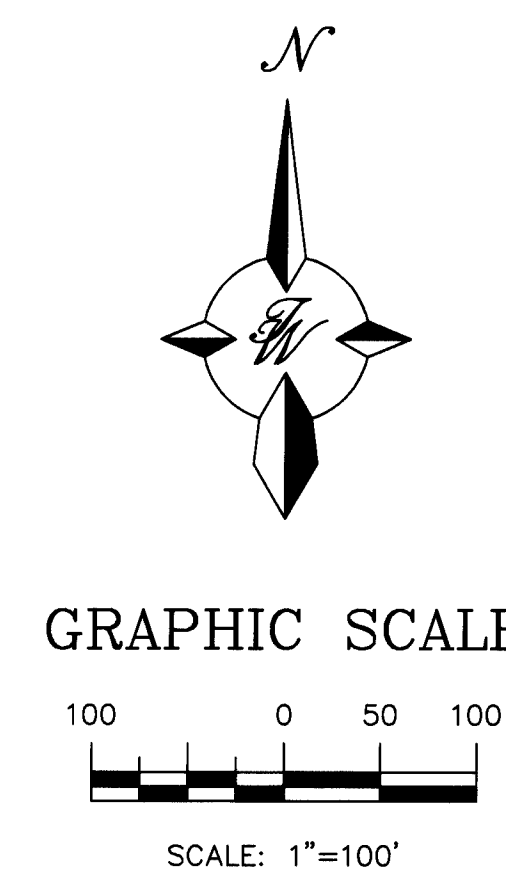
REMARKS
REVISIONS
DESIGN
DATE 3-96
DATE 3-96
DATE 3-96

SCANNED BY
BY LASON

	BOUNDARY LINE		SANITARY SEWER MH
	LOT LINE		GATE VALVE
	EASEMENT LINE		REDUCER
	CENTER LINE		TEE
	CURB AND GUTTER		CROSS
	EXISTING CURB AND GUTTER		90° BEND
	SETBACK LINE		22 1/2° BEND
	SIDEWALK		CAP
	NEW SANITARY SEWER LINE		FIRE HYDRANT
	EXISTING SANITARY SEWER LINE		STORM DRAIN MH
	NEW WATER LINE		CATCH BASIN
	EXISTING WATER LINE		DIRECTION OF FLOW
	PHASELINE		
	NEW STORM DRAIN LINE		
	EXISTING STORM DRAIN LINE		
	SANITARY SEWER SERVICE CONNECTION		
	DOUBLE WATER SERVICE CONNECTION		
	SINGLE WATER SERVICE CONNECTION		



RECORD DRAWING	
DATE: 1-27-97	DRAFTED BY: TIERRA WEST DEV.
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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 26-54688-81109997														RE		RE	
DRB 95-411														NO.		DATE	
TIERRA WEST DEVELOPMENT MANAGEMENT SERVICES 4421 McLEOD ROAD, N.E., SUITE D ALBUQUERQUE, NEW MEXICO 87109 (505)883-7592 CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP														DESIGNED BY		RRB	
TITLE: <i>NORTH HERITAGE HILLS</i> <i>MASTER UTILITY</i> <i>PLAN</i> DESIGN REVIEW COMMITTEE AUG 27 1996 DESIGN REVIEW COMMITTEE CITY ENGINEER APPROVAL SEP 13 1996 CITY ENGINEER LAST DESIGN UPDATE														MO./DAY/YR.		MO./DAY/YR.	
CITY PROJECT NO. 546881 ZONE MAP NO. D-20-Z SHEET 9 OF 18														DRAWN BY		PVG	
CITY PROJECT NO. 546881 ZONE MAP NO. D-20-Z SHEET 9 OF 18														CHECKED BY		RPR	

100\950058\9558MU.DWG\BDG\7-01-96

SCANNED BY
BY LASON

WL TABLE

LOT #	STATION	SERVICE
1&2	4+24.93	DOUBLE
3&4	4+76.42	DOUBLE
5&6	5+14.24	DOUBLE
7&8	5+84.78	DOUBLE
9&10	6+70.75	DOUBLE
11&12	7+60.75	DOUBLE
13&14	8+50.75	DOUBLE
15&16	9+40.75	DOUBLE
17&18	10+30.75	DOUBLE
19&20	11+20.75	DOUBLE
21&22	12+39.69	DOUBLE
23&24	13+29.69	DOUBLE
25&26	13+32.69	DOUBLE
27&28	12+42.69	DOUBLE
29&30	10+92.69	DOUBLE
31&32	10+02.69	DOUBLE
33&34	9+12.69	DOUBLE
35&36	8+22.69	DOUBLE
37&38	7+32.69	DOUBLE
39&40	6+42.69	DOUBLE
41&42	5+40.29	DOUBLE

SAS TABLE

LOT #	STATION	LF	INV. @ PL	PAD EL.
1	3+11.90	25	5470.40	5478.24
2	4+31.17	60	5472.36	5479.86
3	4+62.70	60	5473.15	5480.65
4	4+90.20	60	5473.67	5481.17
5	5+10.36	60	5474.19	5481.69
6	5+22.51	52	5474.67	5482.71
7	5+53.45	37	5477.12	5484.62
8	5+94.36	37	5479.44	5486.94
9	6+35.75	33	5481.62	5489.12
10	6+80.75	33	5483.62	5491.12
11	7+25.75	33	5485.43	5492.93
12	7+70.75	33	5487.00	5494.51
13	8+15.75	33	5488.59	5496.10
14	8+60.75	33	5490.18	5497.68
15	9+05.75	33	5491.77	5499.27
16	9+50.75	33	5493.35	5500.85
17	9+95.75	33	5494.94	5502.44
18	10+40.75	33	5496.52	5504.02
19	10+85.75	33	5498.11	5505.61
20	11+30.75	33	5499.69	5507.19
21	11+75.75	33	5501.28	5508.78
22	12+20.75	33	5502.87	5510.37
23	12+65.75	33	5504.46	5511.96
24	13+10.75	33	5506.05	5513.55
25	13+55.75	33	5507.64	5515.14
26	14+00.75	33	5509.23	5516.73
27	14+45.75	33	5510.82	5518.32
28	14+90.75	33	5512.41	5519.91
29	15+35.75	33	5514.00	5521.50
30	15+80.75	33	5515.59	5523.09
31	16+25.75	33	5517.18	5524.68
32	16+70.75	33	5518.77	5526.27
33	17+15.75	33	5520.36	5527.86
34	17+60.75	33	5521.95	5529.45
35	18+05.75	33	5523.54	5531.04
36	18+50.75	33	5525.13	5532.63
37	18+95.75	33	5526.72	5534.22
38	19+40.75	33	5528.31	5535.81
39	19+85.75	33	5529.90	5537.40
40	20+30.75	33	5531.49	5538.99
41	20+75.75	33	5533.08	5540.58
42	21+20.75	33	5534.67	5542.17
43	21+65.75	33	5536.26	5543.76
44	22+10.75	33	5537.85	5545.35
45	22+55.75	33	5539.44	5546.94
46	23+00.75	33	5541.03	5548.53
47	23+45.75	33	5542.62	5550.12
48	23+90.75	33	5544.21	5551.71
49	24+35.75	33	5545.80	5553.30
50	24+80.75	33	5547.39	5554.89
51	25+25.75	33	5548.98	5556.48
52	25+70.75	33	5550.57	5558.07
53	26+15.75	33	5552.16	5559.66
54	26+60.75	33	5553.75	5561.25
55	27+05.75	33	5555.34	5562.84
56	27+50.75	33	5556.93	5564.43
57	27+95.75	33	5558.52	5566.02
58	28+40.75	33	5560.11	5567.61
59	28+85.75	33	5561.70	5569.20
60	29+30.75	33	5563.29	5570.79
61	29+75.75	33	5564.88	5572.38
62	30+20.75	33	5566.47	5573.97
63	30+65.75	33	5568.06	5575.56
64	31+10.75	33	5569.65	5577.15
65	31+55.75	33	5571.24	5578.74
66	32+00.75	33	5572.83	5580.33
67	32+45.75	33	5574.42	5581.92
68	32+90.75	33	5576.01	5583.51
69	33+35.75	33	5577.60	5585.10
70	33+80.75	33	5579.19	5586.69
71	34+25.75	33	5580.78	5588.28
72	34+70.75	33	5582.37	5589.87
73	35+15.75	33	5583.96	5591.46
74	35+60.75	33	5585.55	5593.05
75	36+05.75	33	5587.14	5594.64
76	36+50.75	33	5588.73	5596.23
77	36+95.75	33	5590.32	5597.82
78	37+40.75	33	5591.91	5599.41
79	37+85.75	33	5593.50	5601.00
80	38+30.75	33	5595.09	5602.59
81	38+75.75	33	5596.68	5604.18
82	39+20.75	33	5598.27	5605.77
83	39+65.75	33	5599.86	5607.36
84	40+10.75	33	5601.45	5608.95
85	40+55.75	33	5603.04	5610.54
86	41+00.75	33	5604.63	5612.13
87	41+45.75	33	5606.22	5613.72
88	41+90.75	33	5607.81	5615.31
89	42+35.75	33	5609.40	5616.90
90	42+80.75	33	5610.99	5618.49
91	43+25.75	33	5612.58	5620.08
92	43+70.75	33	5614.17	5621.67

STA -1+19.43
TIE INTO EXISTING 4" MH
RIM=5466.35
INV S=5455.89
INV E=5455.83
INV W=5455.93

REMOVE AND REPLACE
EXISTING ASPHALT
PER C.O.A. STD. DWG #2407

STA 1+00.00 MH#1
INSTALL 1-4" TYPE "E" MH
RIM=5471.84
INV E=5462.47
INV W=5462.37

STA 3+28.11-5' RT MH#2
INSTALL 1-4" TYPE "C" MH
RIM=5475.14
INV E=5467.24
INV W=5467.14

STA 4+09.58-5' RT MH#3
INSTALL 1-4" TYPE "E" MH
RIM=5475.77
INV NE=5467.84
INV W=5467.74

STA 4+75.68 MH#4
INSTALL 1-4" TYPE "E" MH
RIM=5478.18
INV NE=5470.15
INV NW=5470.15
INV SW=5470.05

STA 4+65.17-9.15' LT
INSTALL 1-8" x8" x8" TEE
RESTRAINING:
13' ON THE RUN
3' ON THE BRANCH

STA 5+40.52-8.61' LT
INSTALL 1-8" x8" x8" TEE
INSTALL 1-FIRE HYDRANT
13 LF-6" WL
FLANGE=5485.10
RESTRAINING:
13' ON THE RUN
3' ON THE BRANCH

STA 5+33.42 MH#6
INSTALL 1-4" TYPE "E" MH
RIM=5481.57
INV E=5472.70
INV SW=5472.60

STA 5+33.77-10.21' LT
INSTALL 1-22 1/2" BEND
3" RESTRAINING
BOTH SIDES

RECORD DRAWING
DATE: 1-27-97 DRAFTED BY: TIERRA WEST DEV.
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STA 11+58.36-10' LT
INSTALL 1-18" x8" REDUCER
RESTRAINING:
45' LARGE SIDE
68" SMALL SIDE

EQUATION:
PALOMAS BLVD.
STA 11+67.22=
ROUGH RIDER ROAD
STA 1+00.00

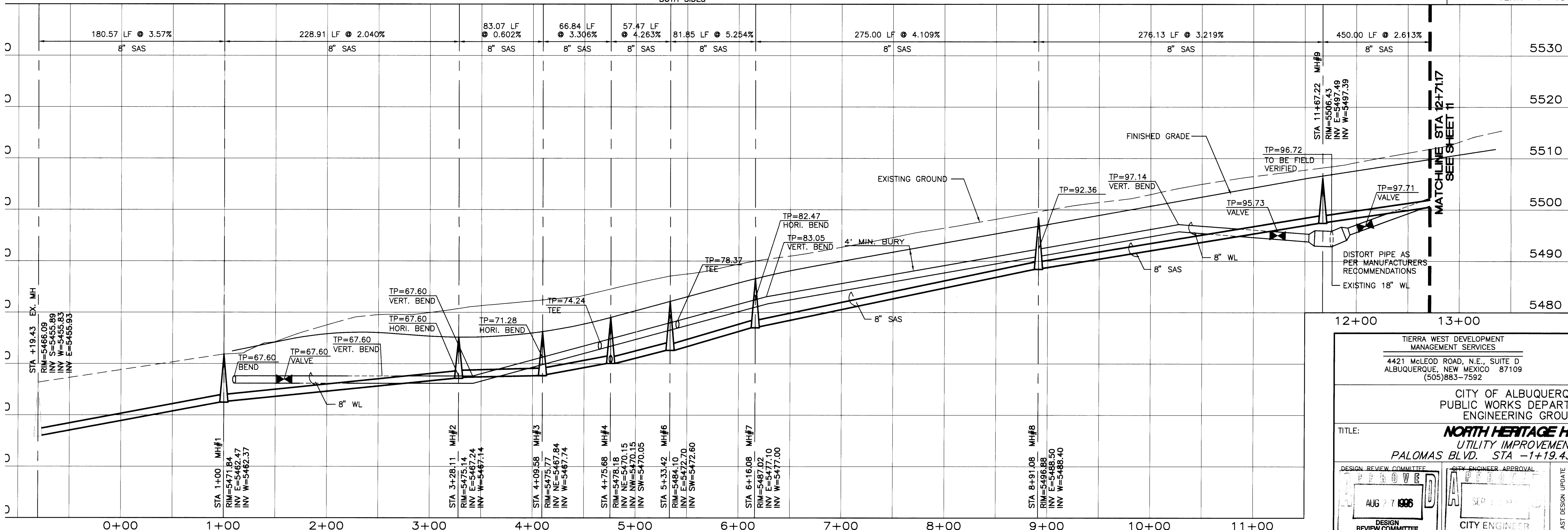
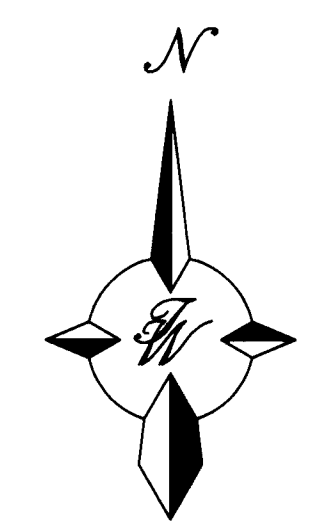
STA 11+67.22 MH#9
INSTALL 1-4" TYPE "E" MH
RIM=5506.43
INV E=5497.49
INV W=5497.39

STA 12+08.33-10' LT
INSTALL 1-8" GATE VALVE
INSTALL 1-TYPE "A" VALVE
AND BOX W/ LID
60" RESTRAINING
ADD VALVE EXTENSION

STA 11+93.33-10' LT
INSTALL 1-18" x8" REDUCER
RESTRAINING:
45' LARGE SIDE
68" SMALL SIDE

STA 11+75.85-10' LT
INSTALL 18"x18" CROSS
RESTRAINING

SCALE: HORIZ. 1"=50'
VERT. 1"=10'



TIERRA WEST DEVELOPMENT
MANAGEMENT SERVICES
4421 McLEOD ROAD, N.E., SUITE D
ALBUQUERQUE, NEW MEXICO 87109
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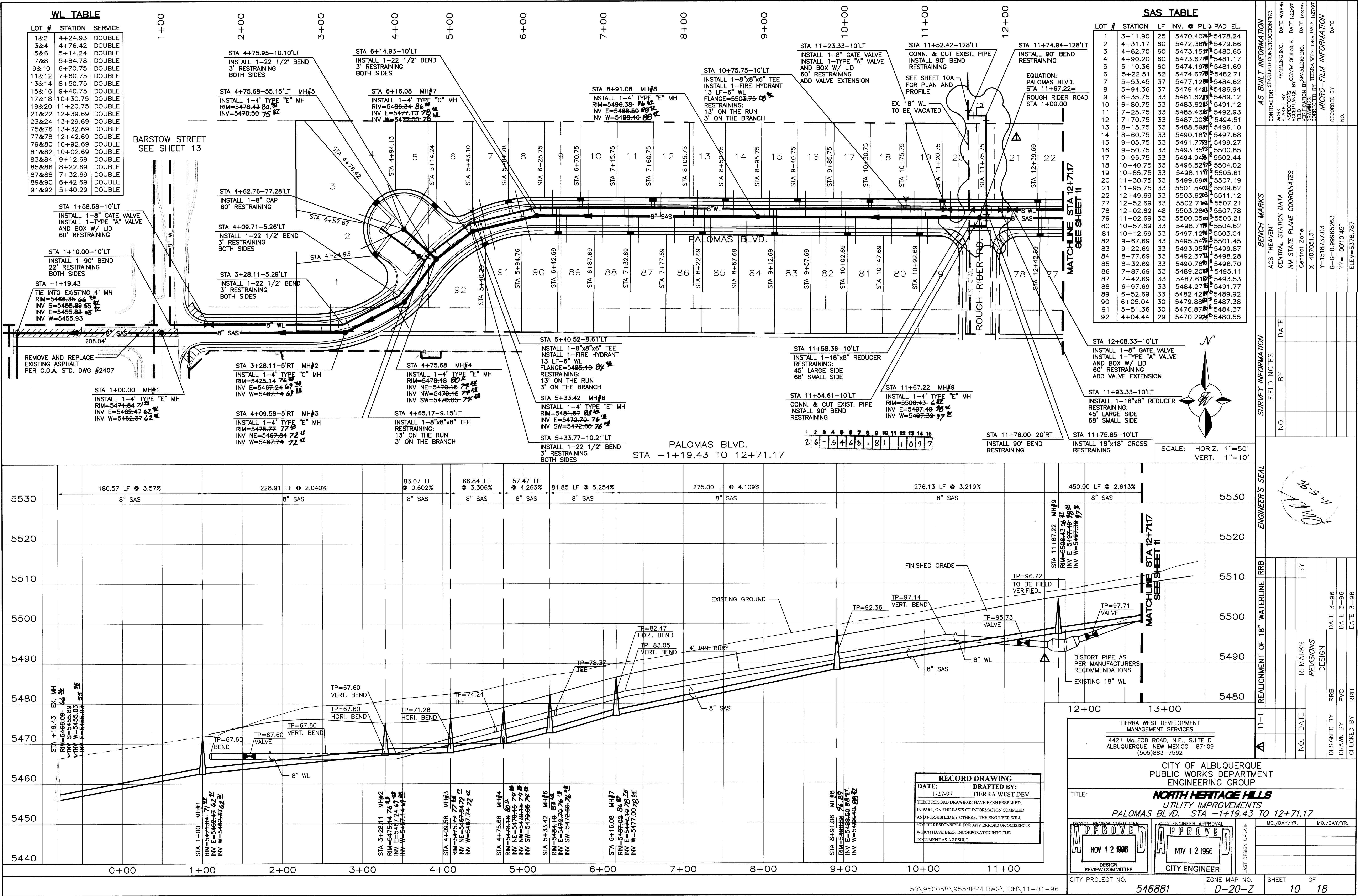
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **NORTH HERITAGE HILLS**
UTILITY IMPROVEMENTS
PALOMAS BLVD. STA -1+19.43 TO 12+71.17

DESIGN REVIEW COMMITTEE: APPROVED AUG 7 1996
CITY ENGINEER APPROVAL: APPROVED SEP 10 1996
LAST DESIGN UPDATE: _____

CITY PROJECT NO. 546881 ZONE MAP NO. D-20-Z SHEET 10 OF 18

SHEET 10 OF 18		MO./DAY/YR.		MO./DAY/YR.		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96		DATE 3-96	
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WL TABLE

LOT #	STATION	SERVICE
1&2	4+24.93	DOUBLE
3&4	4+76.42	DOUBLE
5&6	5+14.24	DOUBLE
7&8	5+84.78	DOUBLE
9&10	6+70.75	DOUBLE
11&12	7+60.75	DOUBLE
13&14	8+50.75	DOUBLE
15&16	9+40.75	DOUBLE
17&18	10+30.75	DOUBLE
19&20	11+20.75	DOUBLE
21&22	12+39.69	DOUBLE
23&24	13+29.69	DOUBLE
25&26	13+32.69	DOUBLE
27&28	12+42.69	DOUBLE
29&30	10+92.69	DOUBLE
31&32	10+02.69	DOUBLE
33&34	9+12.69	DOUBLE
35&36	8+22.69	DOUBLE
37&38	7+32.69	DOUBLE
39&40	6+42.69	DOUBLE
41&42	5+40.29	DOUBLE

SAS TABLE

LOT #	STATION	LF	INV.	PL	PAD EL.
1	3+11.90	25	5470.40	3	5478.24
2	4+31.17	60	5472.36	3	5479.86
3	4+62.70	60	5473.15	3	5480.65
4	4+90.20	60	5473.67	3	5481.17
5	5+10.36	60	5474.19	3	5481.69
6	5+22.51	52	5474.67	3	5482.71
7	5+53.45	37	5477.12	3	5484.62
8	5+94.36	37	5479.44	3	5486.94
9	6+35.75	33	5481.62	3	5489.12
10	6+80.75	33	5483.62	3	5491.12
11	7+25.75	33	5485.43	3	5492.93
12	7+70.75	33	5487.00	3	5494.51
13	8+15.75	33	5488.59	3	5496.10
14	8+60.75	33	5490.18	3	5497.68
15	9+05.75	33	5491.77	3	5499.27
16	9+50.75	33	5493.35	3	5500.85
17	9+95.75	33	5494.94	3	5502.44
18	10+40.75	33	5496.52	3	5504.02
19	10+85.75	33	5498.11	3	5505.61
20	11+30.75	33	5499.69	3	5507.19
21	11+95.75	33	5501.28	3	5508.78
22	12+49.69	33	5502.87	3	5510.37
23	12+52.69	33	5502.71	3	5510.21
24	12+02.69	48	5503.28	3	5510.78
25	11+02.69	33	5500.05	3	5506.21
26	10+57.69	33	5498.71	3	5504.62
27	10+12.69	33	5497.12	3	5503.04
28	9+67.69	33	5495.54	3	5501.45
29	9+22.69	33	5493.95	3	5499.87
30	8+77.69	33	5492.37	3	5498.28
31	8+32.69	33	5490.78	3	5496.70
32	7+87.69	33	5489.20	3	5495.11
33	7+42.69	33	5487.61	3	5493.53
34	6+97.69	33	5486.03	3	5491.94
35	6+52.69	33	5484.44	3	5490.35
36	6+07.69	30	5482.85	3	5488.76
37	5+51.36	30	5481.26	3	5487.17
38	4+04.44	29	5479.67	3	5485.58

AS BUILT INFORMATION

CONTRACTOR: SPARLING CONSTRUCTION, INC.

WORK: SEWER LINE IMPROVEMENTS

DATE: 12/29/96

STATION: 1+00 TO 12+00

DATE: 12/29/96

FIELD: SPARLING, INC.

DATE: 12/29/96

CORRECTED BY: SPARLING, INC.

DATE: 12/29/96

RECORDED BY: SPARLING, INC.

DATE: 12/29/96

NO.

BENCH MARKS

ACS "HEAVEN"

CENTRAL STATION DATA

NM STATE PLANE COORDINATES

Central Zone

X=407051.31

Y=1518737.03

G=0.99965263

??=0.0710 45"

ELEV=5378.787

SURVEY INFORMATION

FIELD NOTES

NO.

BY

DATE

ENGINEER'S SEAL

11-1

REALIGNMENT OF 18" WATERLINE

RRB

NO.

DATE

REMARKS

DESIGN

DATE: 3-96

DATE: 3-96

CHECKED BY

RRB

RECORD DRAWING
DATE: 1-27-97
DRAFTED BY: TIERRA WEST DEV.
THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE DOCUMENT AS A RESULT.

TIERRA WEST DEVELOPMENT MANAGEMENT SERVICES

4421 McLEOD ROAD, N.E., SUITE D

ALBUQUERQUE, NEW MEXICO 87109

(505)883-7592

CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT

ENGINEERING GROUP

TITLE: NORTH HERITAGE HILLS UTILITY IMPROVEMENTS PALOMAS BLVD. STA -1+19.43 TO 12+71.17

DESIGN REVIEW COMMITTEE

APPROVED

NOV 12 1996

CITY ENGINEER APPROVAL

APPROVED

NOV 12 1996

LAST DESIGN UPDATE

MO./DAY/YR.

MO./DAY/YR.

CITY PROJECT NO.

546881

ZONE MAP NO.

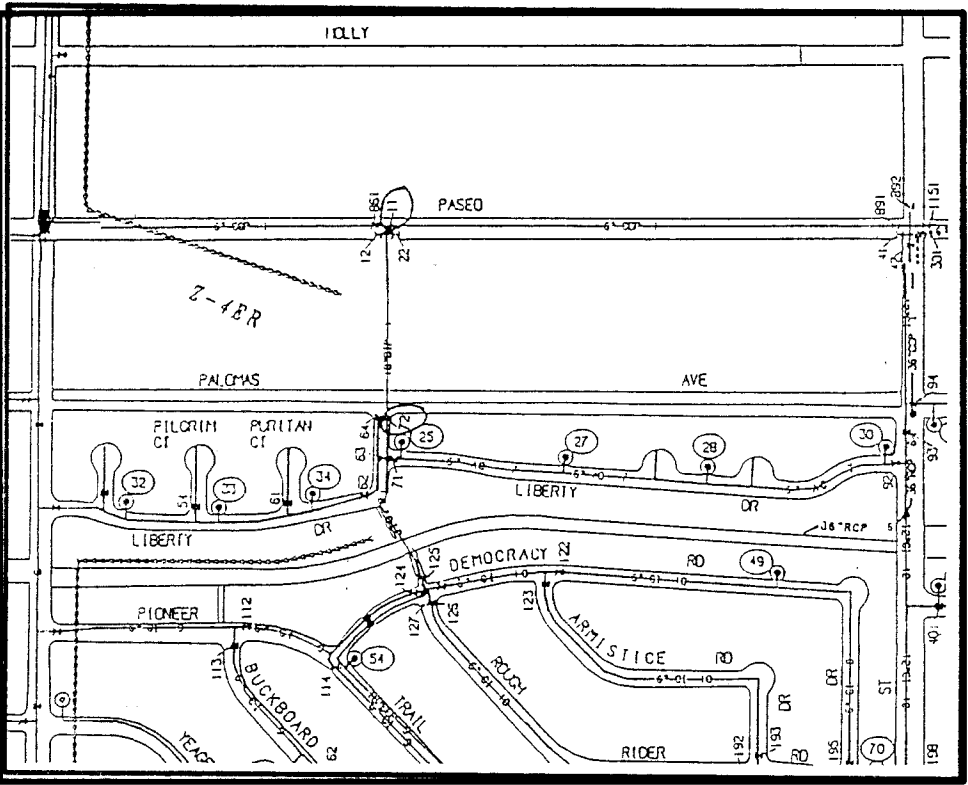
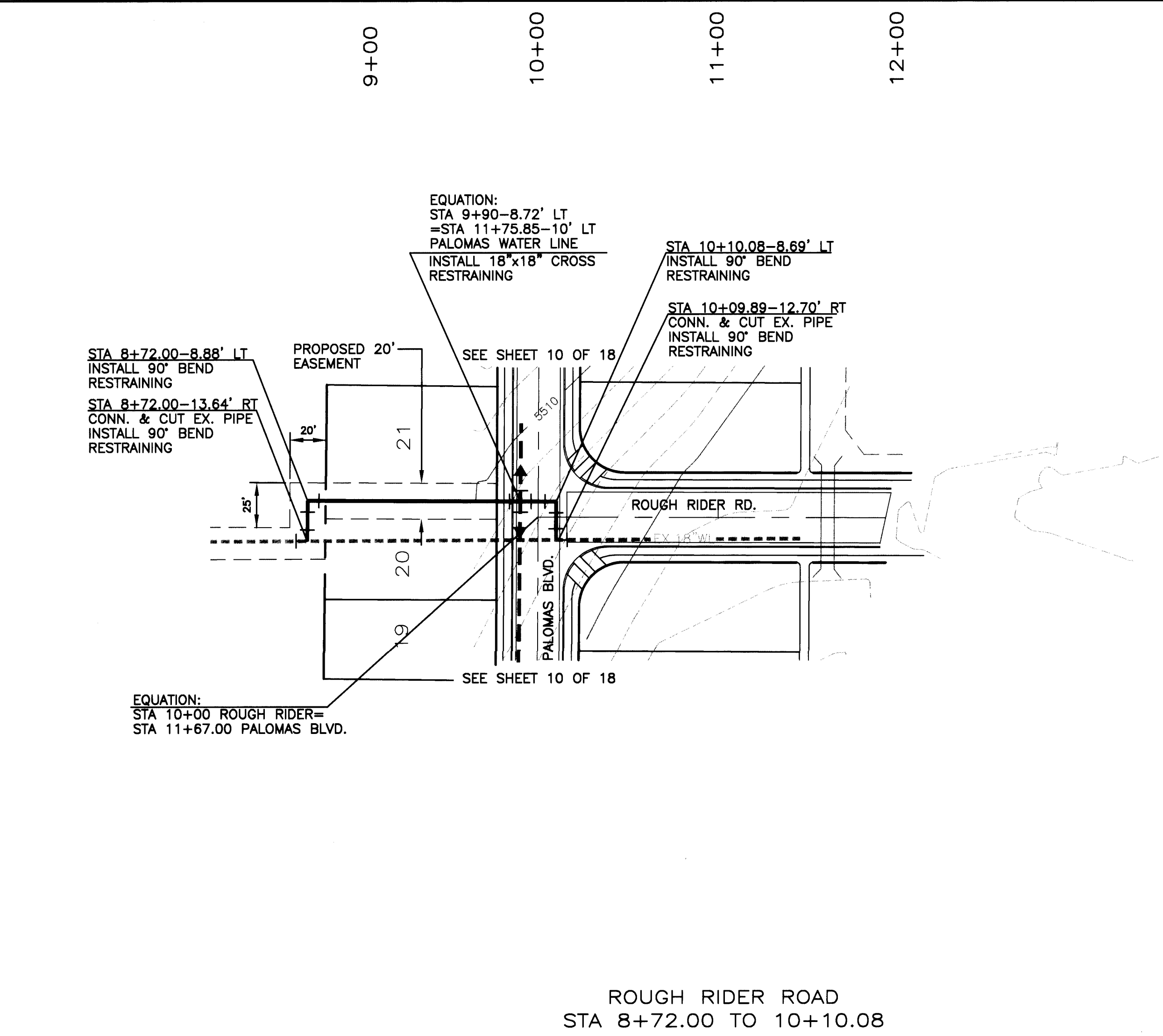
D-20-Z

SHEET

10

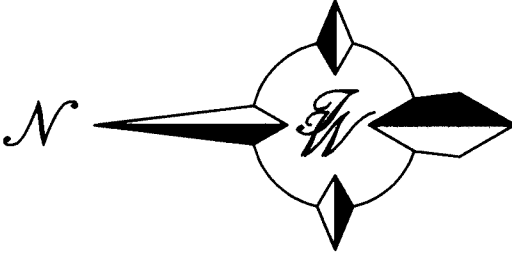
OF

18



WATER SHUTOFF PLAN
SHUTOFF VALVES #11 AND #72

RECORD DRAWING
DATE: 1-27-97
DRAFTED BY: TIERRA WEST DEV.
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SCALE: HORIZ. 1"=50'
VERT. 1"= 5'

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
26-5469-8110497



TIERRA WEST DEVELOPMENT
MANAGEMENT SERVICES
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ALBUQUERQUE, NEW MEXICO 87109
(505)883-7592

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP
TITLE: **NORTH HERITAGE HILLS**
UTILITY IMPROVEMENTS
ROUGH RIDER ROAD STA 8+72.00 TO 10+10.08

DESIGN REVIEW COMMITTEE
APPROVED
NOV 12 1996
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL
APPROVED
NOV 12 1996
CITY ENGINEER

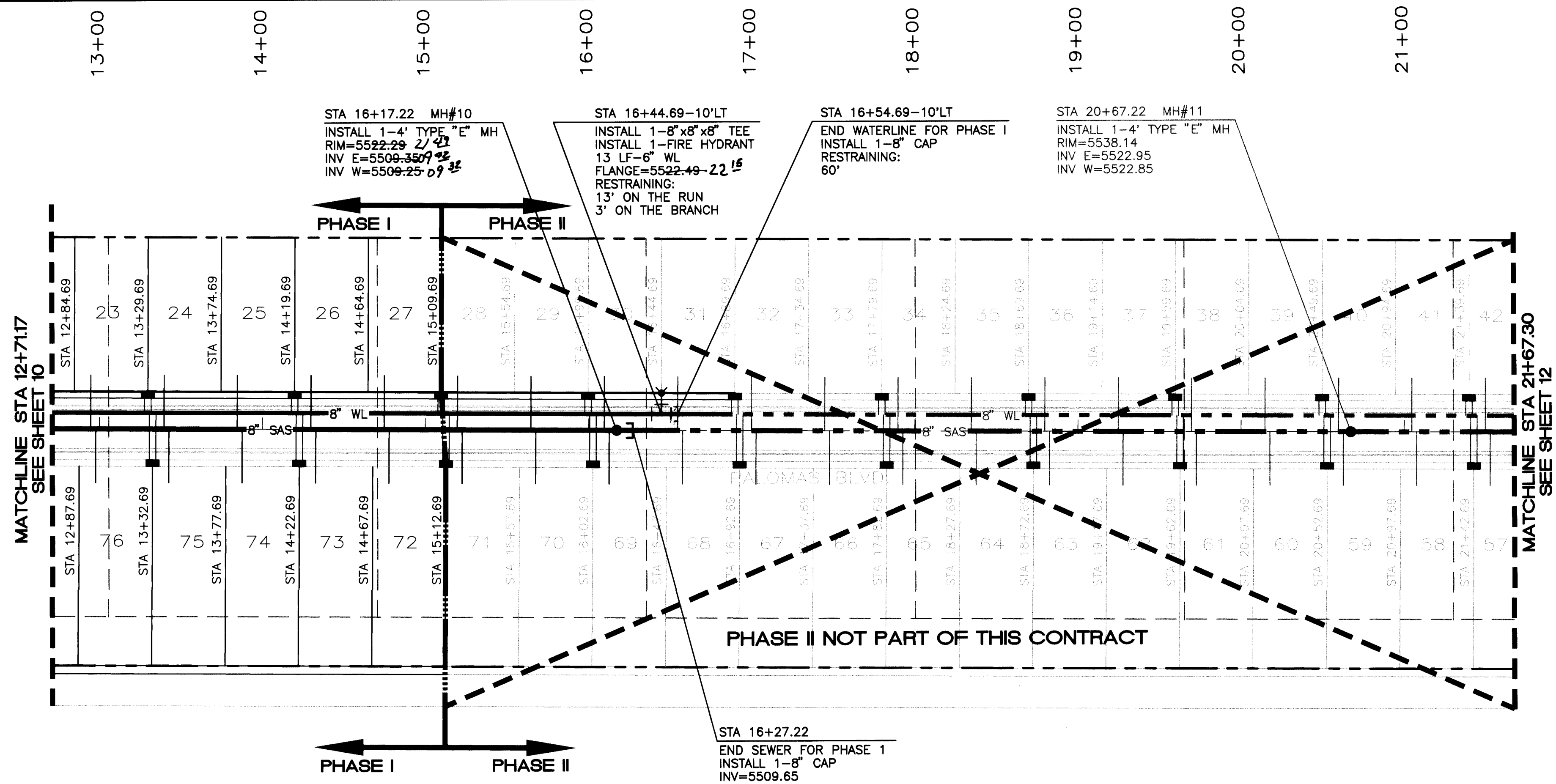
LAST DESIGN UPDATE

MO./DAY/YR.	MO./DAY/YR.

DESIGNED BY	RRB	DATE	3-96
DRAWN BY	JDN	DATE	3-96
CHECKED BY	RRB	DATE	3-96

SURVEY INFORMATION				BENCH MARKS				AS BUILT INFORMATION			
FIELD NOTES		NO.		DATE		BY		CONTRACTOR		STAKED BY	
								ACS "HEAVEN"		SPARKLING CONSTRUCTION INC.	
								CENTRAL STATION DATA		WORK	
								NM STATE PLANE COORDINATES		SPARKLING INC.	
								Central Zone		DATE 12/29/96	
								X=407051.31		DATE 1/24/97	
								Y=1518737.03		DATE 1/24/97	
								G-G=0.99965263		DATE 1/27/97	
								ELEV=5378.787		DATE	

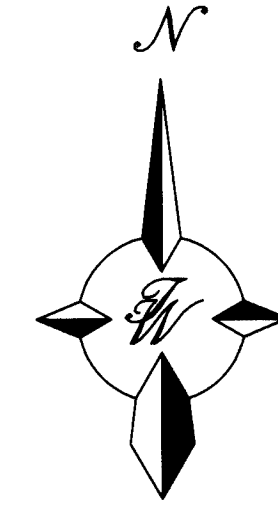
ENGINEER'S SEAL				REVISIONS			
		11-1		REMARKS		BY	
				DESIGN		RRB	
				DATE		3-96	
				DATE		3-96	
				DATE		3-96	



WL TABLE		
LOT #	STATION	SERVICE
25&26	14+19.69	DOUBLE
27&28	15+09.69	DOUBLE
29&30	15+99.69	DOUBLE
31&32	16+89.69	DOUBLE
33&34	17+79.69	DOUBLE
35&36	18+69.69	DOUBLE
37&38	19+59.69	DOUBLE
39&40	20+49.69	DOUBLE
41&42	21+39.69	DOUBLE
43&44	22+29.69	DOUBLE
45&46	23+19.69	DOUBLE
47&48	24+09.69	DOUBLE
49&50	24+99.69	DOUBLE
51&52	25+89.69	DOUBLE
53&54	26+79.69	DOUBLE
55&56	27+69.69	DOUBLE
57&58	28+59.69	DOUBLE
59&60	29+49.69	DOUBLE
61&62	30+39.69	DOUBLE
63&64	31+29.69	DOUBLE
65&66	32+19.69	DOUBLE
67&68	33+09.69	DOUBLE
69&70	33+99.69	DOUBLE
71&72	34+89.69	DOUBLE
73&74	35+79.69	DOUBLE

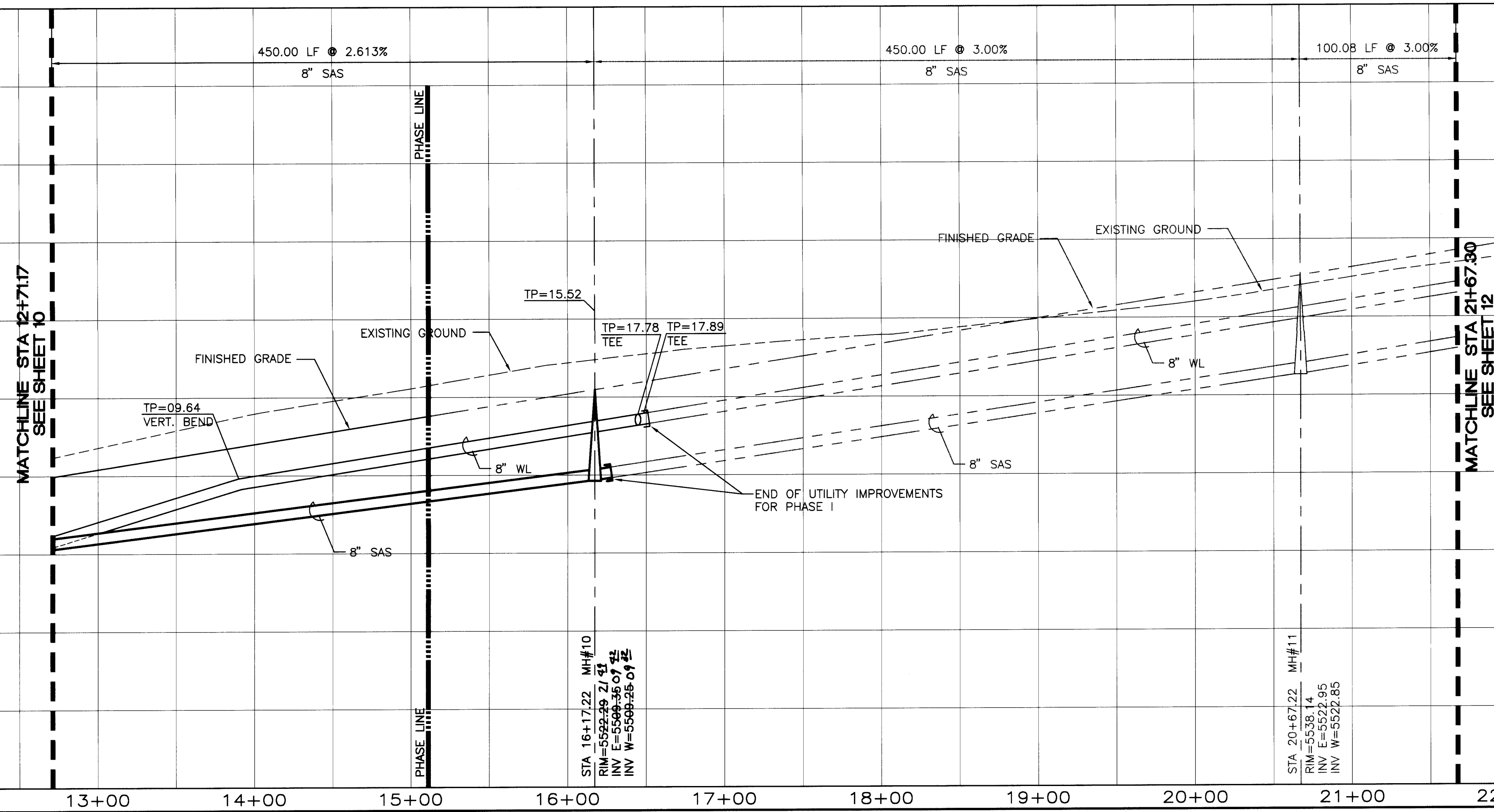
SAS TABLE				
LOT #	STATION	LF	INV. @ PL	PAD EL.
23	12+94.69	33	5505.08	5512.58
24	13+39.69	33	5506.53	5514.03
25	13+84.69	33	5507.52	5515.49
26	14+29.69	33	5509.06	5516.95
27	14+74.69	33	5510.57	5518.41
28	15+19.69	33	5512.10	5519.87
29	15+64.69	33	5513.83	5521.33
30	16+09.69	33	5515.28	5522.78
31	16+54.69	33	5516.74	5524.24
32	16+99.69	33	5518.20	5525.70
33	17+44.69	33	5519.66	5527.16
34	17+89.69	33	5521.12	5528.62
35	18+34.69	33	5522.57	5530.07
36	18+79.69	33	5524.03	5531.53
37	19+24.69	33	5525.49	5532.99
38	19+69.69	33	5526.95	5534.45
39	20+14.69	33	5528.41	5535.91
40	20+59.69	33	5529.87	5537.37
41	21+04.69	33	5531.32	5538.82
42	21+49.69	33	5532.78	5540.28
43	21+94.69	33	5534.24	5541.74
44	22+39.69	33	5535.69	5543.19
45	22+84.69	33	5537.15	5544.65
46	23+29.69	33	5538.61	5546.11
47	23+74.69	33	5540.07	5547.57
48	24+19.69	33	5541.53	5549.03
49	24+64.69	33	5542.99	5550.49
50	25+09.69	33	5544.45	5551.95
51	25+54.69	33	5545.91	5553.41
52	25+99.69	33	5547.37	5554.87
53	26+44.69	33	5548.82	5556.32
54	26+89.69	33	5550.28	5557.78
55	27+34.69	33	5551.74	5559.24
56	27+79.69	33	5553.20	5560.70
57	28+24.69	33	5554.66	5562.16
58	28+69.69	33	5556.12	5563.62
59	29+14.69	33	5557.57	5565.07
60	29+59.69	33	5559.03	5566.53
61	30+04.69	33	5560.49	5567.99
62	30+49.69	33	5561.95	5569.45
63	30+94.69	33	5563.41	5570.91
64	31+39.69	33	5564.87	5572.37
65	31+84.69	33	5566.32	5573.82
66	32+29.69	33	5567.78	5575.28
67	32+74.69	33	5569.24	5576.74
68	33+19.69	33	5570.70	5578.20
69	33+64.69	33	5572.16	5579.66
70	34+09.69	33	5573.62	5581.12
71	34+54.69	33	5575.07	5582.57
72	34+99.69	33	5576.53	5584.03
73	35+44.69	33	5577.99	5585.49
74	35+89.69	33	5579.45	5586.95
75	36+34.69	33	5580.91	5588.41
76	36+79.69	33	5582.37	5589.87

RECORD DRAWING
DATE: 1-27-97
DRAFTED BY: TIERRA WEST DEV.
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SCALE: HORIZ. 1"=50'
VERT. 1"=10'

PALOMAS BLVD.
STA 12+71.17 TO 21+67.30



TIERRA WEST DEVELOPMENT
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ALBUQUERQUE, NEW MEXICO 87109
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **NORTH HERITAGE HILLS
UTILITY IMPROVEMENTS
PALOMAS BLVD. STA 12+71.17 TO 21+67.30**

DESIGN REVIEW COMMITTEE
APPROVED
1996

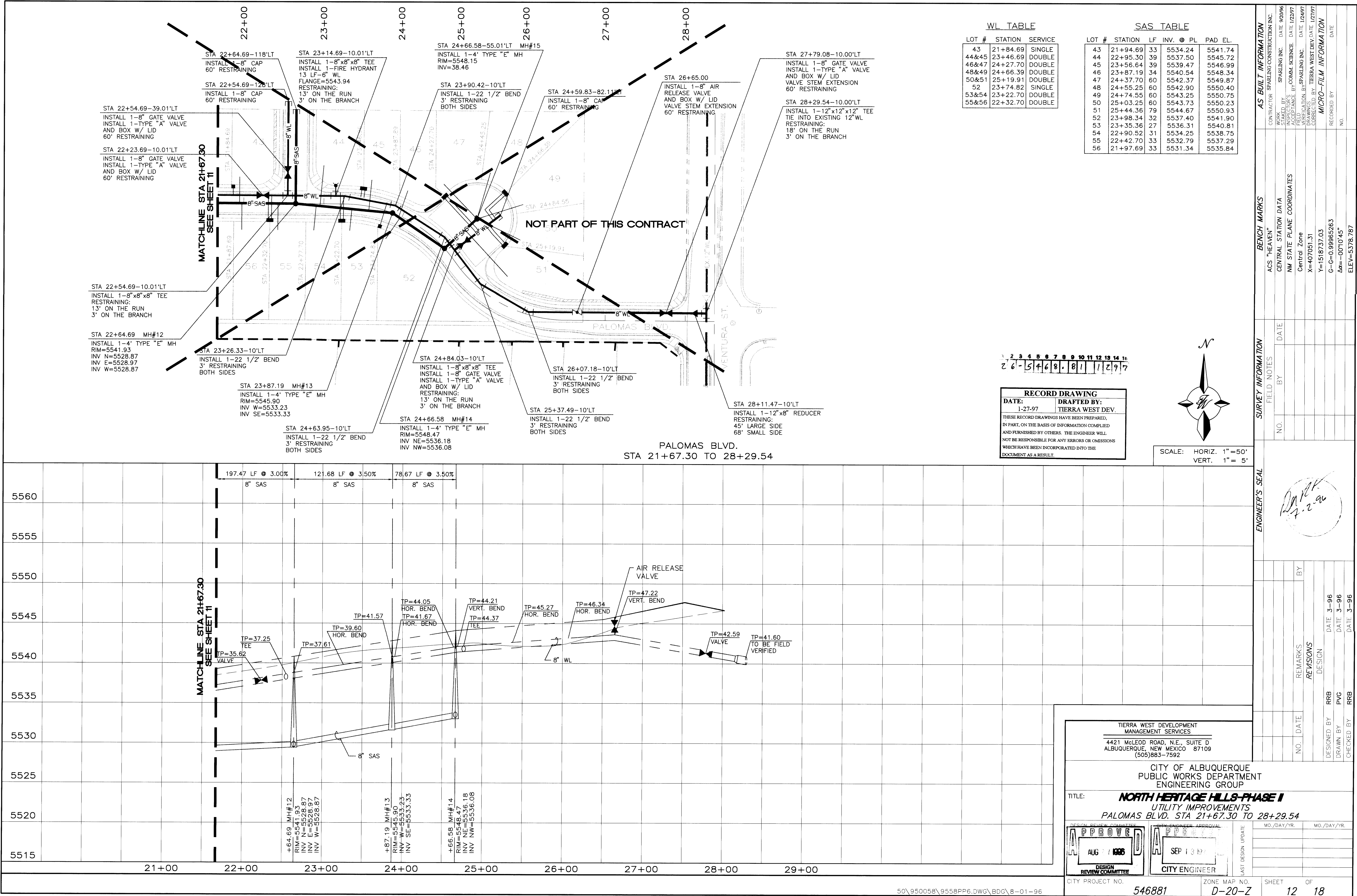
CITY ENGINEER
APPROVED
SEP 1996

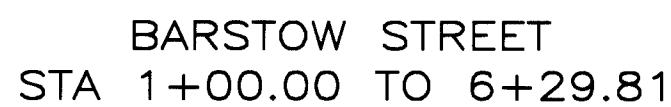
LAST DESIGN UPDATE

MO./DAY/YR. MO./DAY/YR.

DESIGNED BY: RRB DATE: 3-96
DRAWN BY: PVG DATE: 3-96
CHECKED BY: RRB DATE: 3-96

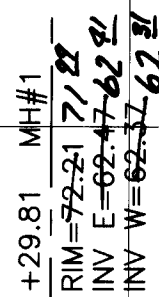
CITY PROJECT NO. 546881
ZONE MAP NO. D-20-Z
SHEET 11 OF 18





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

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



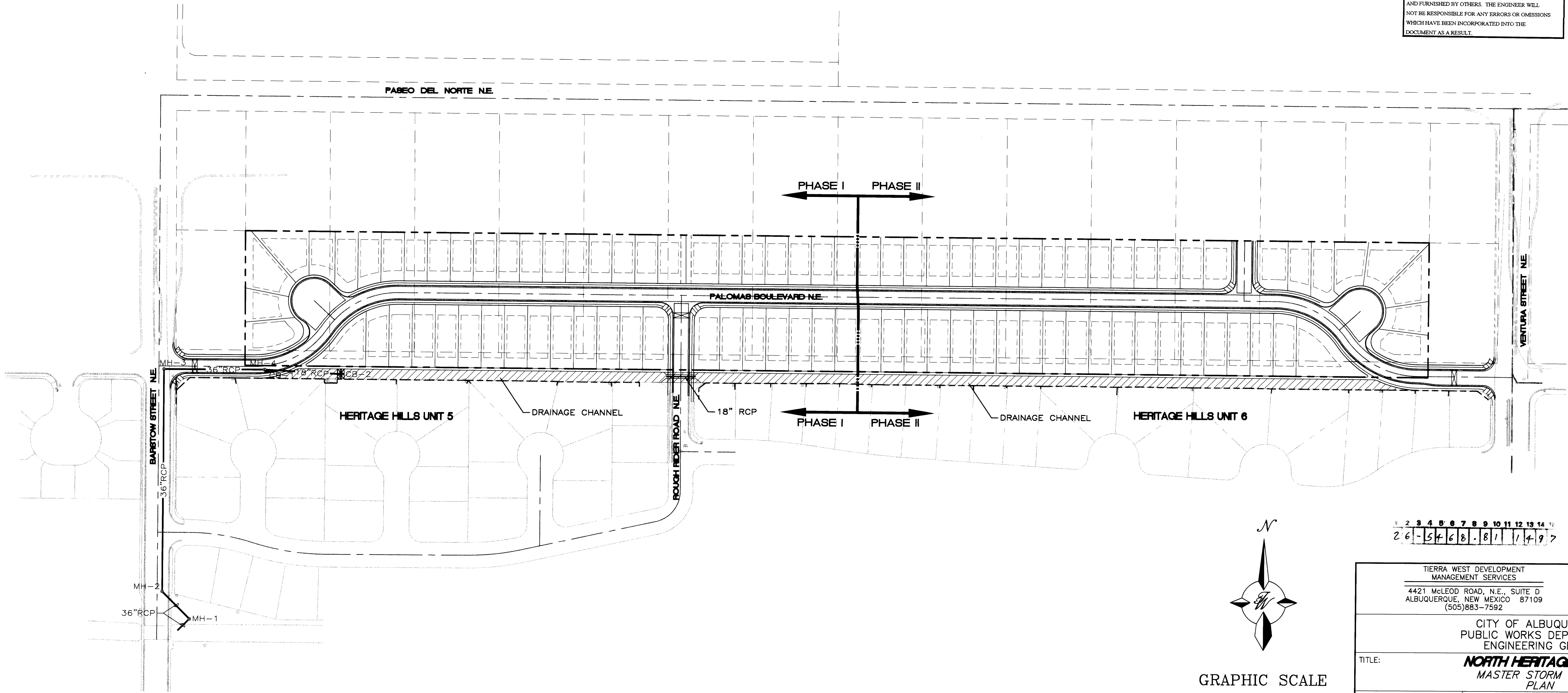
TIERRA WEST DEVELOPMENT
MANAGEMENT SERVICES
4421 McLEOD ROAD, N.E., SUITE D
ALBUQUERQUE, NEW MEXICO 87109
(505)883-7592

CITY PROJECT NO. 546881	ZONE MAP NO. D-20-Z	SHEET 13	OF 18
-----------------------------------	-------------------------------	--------------------	-----------------

LEGEND

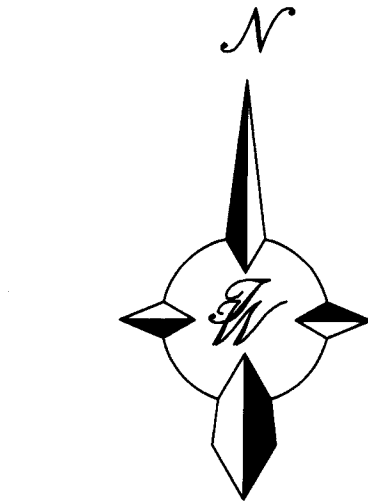
- BOUNDARY LINE
- LOT LINE
- EASEMENT LINE
- CENTER LINE
- CURB AND GUTTER
- EXISTING CURB AND GUTTER
- SETBACK LINE
- SIDEWALK
- PHASELINE
- NEW STORM DRAIN LINE
- EXISTING STORM DRAIN LINE
- STORM DRAIN MH
- CATCH BASIN
- DRAINAGE CHANNEL

RECORD DRAWING
DATE: 1-27-97
DRAFTED BY: TIERRA WEST DEV.
THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE DOCUMENT AS A RESULT.

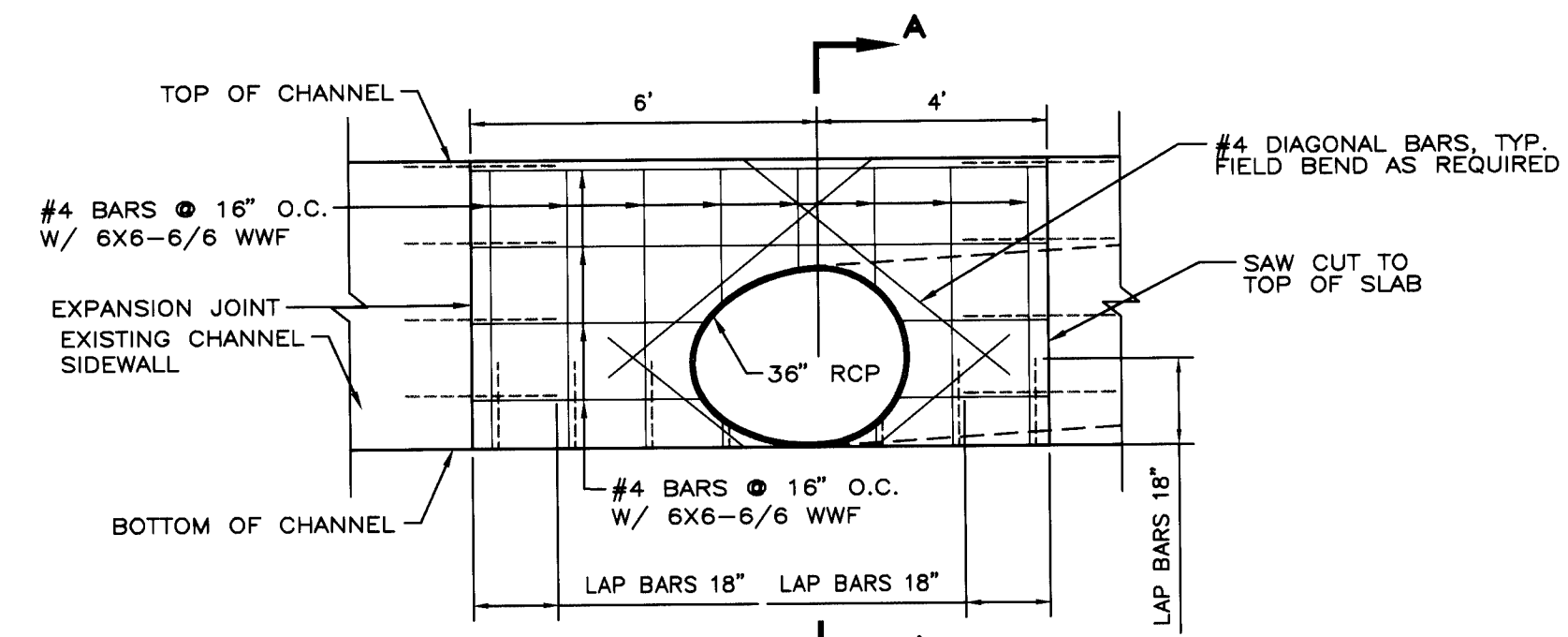
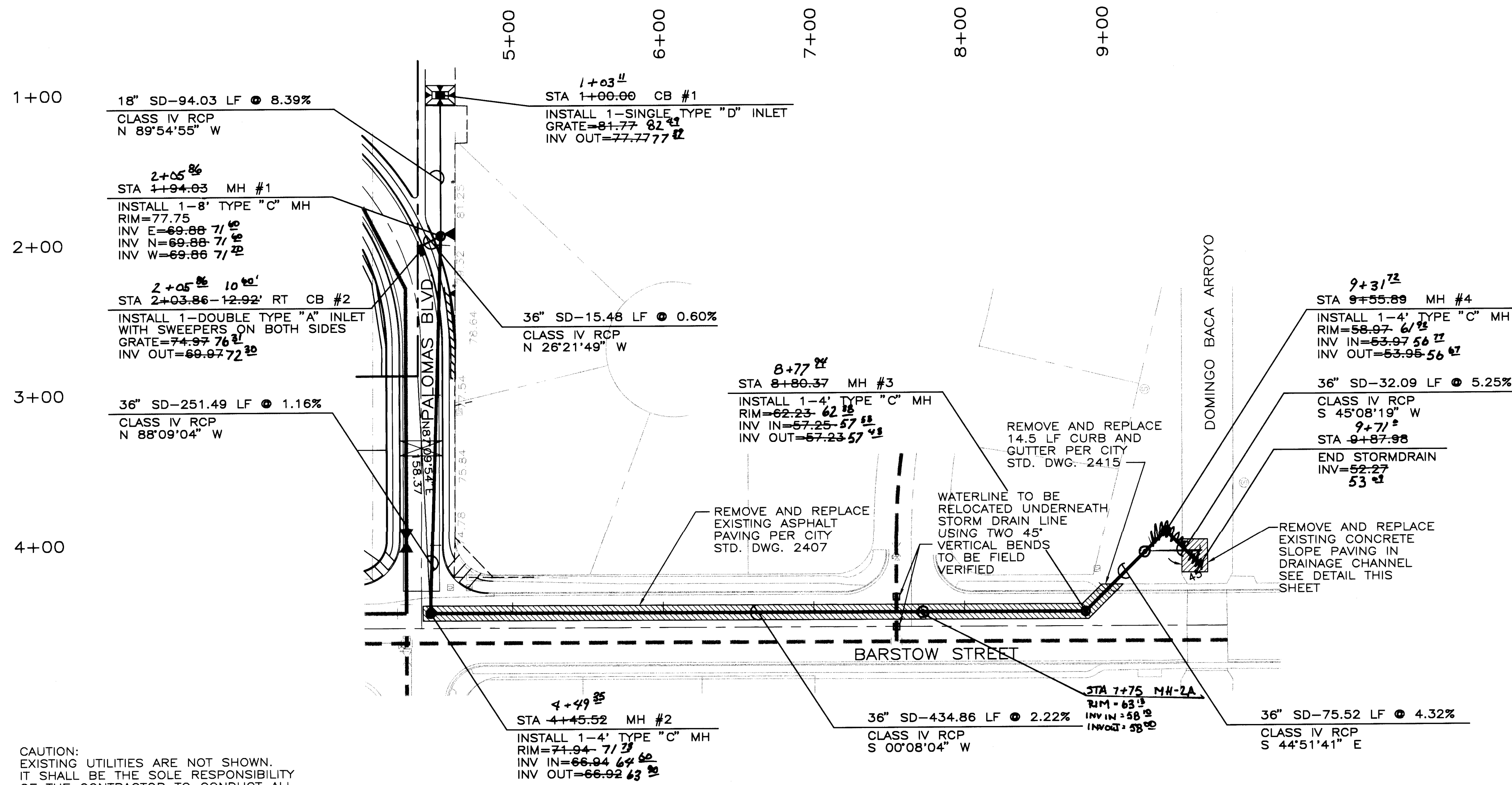


TIERRA WEST DEVELOPMENT MANAGEMENT SERVICES 4421 McLEOD ROAD, N.E., SUITE D ALBUQUERQUE, NEW MEXICO 87109 (505)883-7592	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: NORTH HERITAGE HILLS MASTER STORM SEWER PLAN	
DESIGN REVIEW COMMITTEE APPROVE 1996	CITY ENGINEER APPROVAL APPROVE SEP 13 1996 CITY ENGINEER
DESIGNED BY: RRB	DATE: 3-96
DRAWN BY: PVG	DATE: 3-96
CHECKED BY: RRB	DATE: 3-96
CITY PROJECT NO. 546881	ZONE MAP NO. D-20-Z
SHEET 14 OF 18	

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	SPARLING CONSTRUCTION INC.	ACS "HEAVEN"	ACCS	NO.	BY	DATE	
INSPECTOR'S	SPARLING INC.	CENTRAL STATION DATA	NM STATE PLANE COORDINATES				
FIELD	COMAL SCIENCE	Central Zone	X=407051.31				
VERIFICATION BY	SPARLING INC.	Y=1518737.03					
CONTRACT NO.	TIERRA WEST DEV	G-G=0.99965263					
DATE	1/27/97	ΔΔ= -0070'45"					
MICRO-FILM INFORMATION		ELEV=5378.787					
RECORDED BY							
NO.							

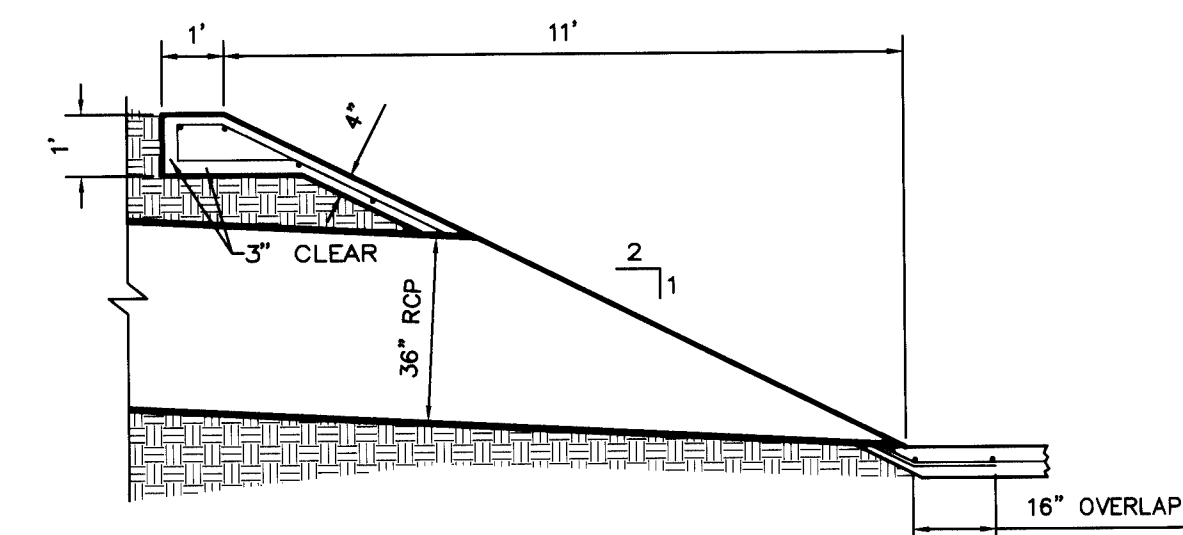


GRAPHIC SCALE
100 0 50 100
SCALE: 1"=100'



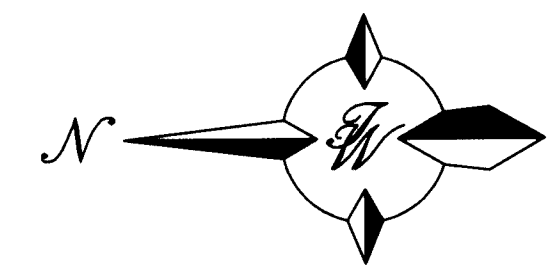
DOMINGO BACA ARROYO CHANNEL CONNECTION ELEVATION

SCALE: 1/2" = 1'

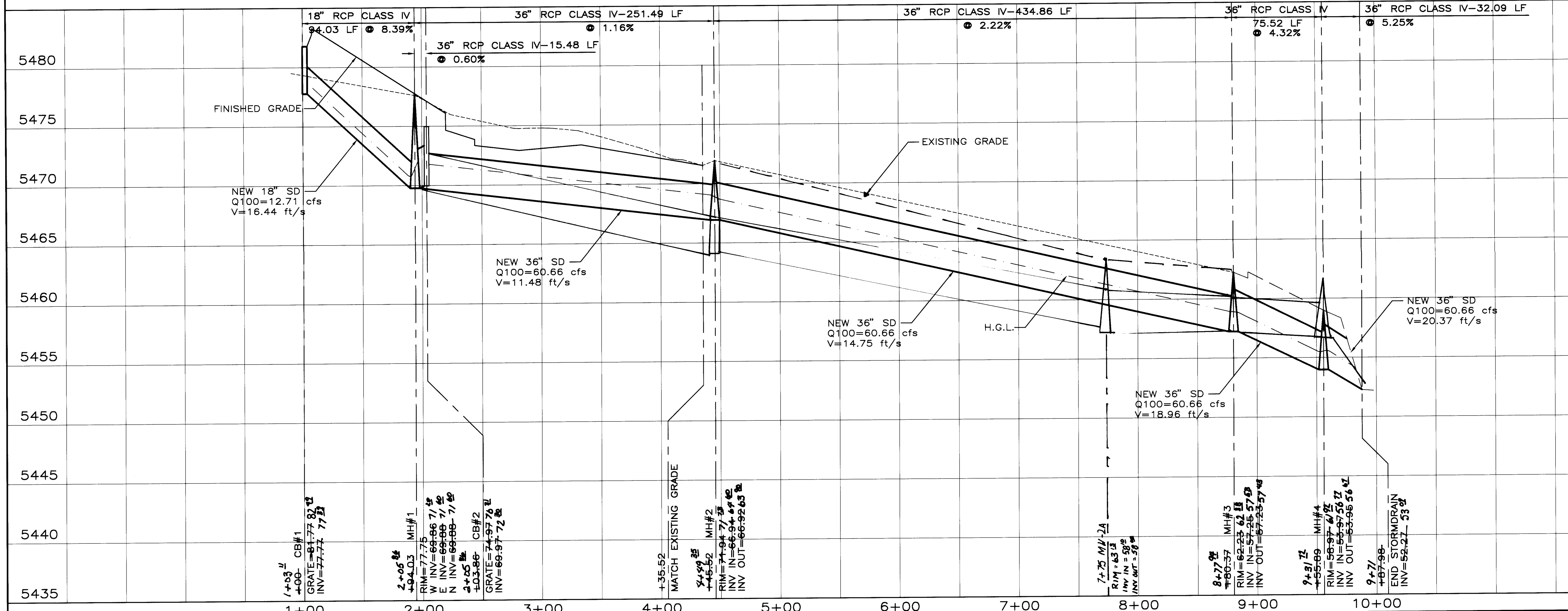


SECTION A-A

SCALE: 1/2" = 1'



PALOMAS BLVD. AND BARSTOW ST.
STA 1+00.00 TO 9+87.98



RECORD DRAWING
DATE: 1-27-97
DRAFTED BY: TERRA WEST DEV.
THESE RECORD DRAWINGS HAVE BEEN PREPARED,
IN PART, ON THE BASIS OF INFORMATION COMPILED
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DOCUMENT AS A RESULT.

TERRA WEST DEVELOPMENT
MANAGEMENT SERVICES
4421 McLEOD ROAD, N.E., SUITE D
ALBUQUERQUE, NEW MEXICO 87109
(505)883-7592

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **NORTH HERITAGE HILLS**
STORM SEWER IMPROVEMENTS
PALOMAS BLVD. AND BARSTOW ST.

DESIGN REVIEW COMMITTEE
APPROVED
DESIGN REVIEW COMMITTEE

APPROVED
SEP 13 1997
CITY ENGINEER

CITY PROJECT NO. 546881

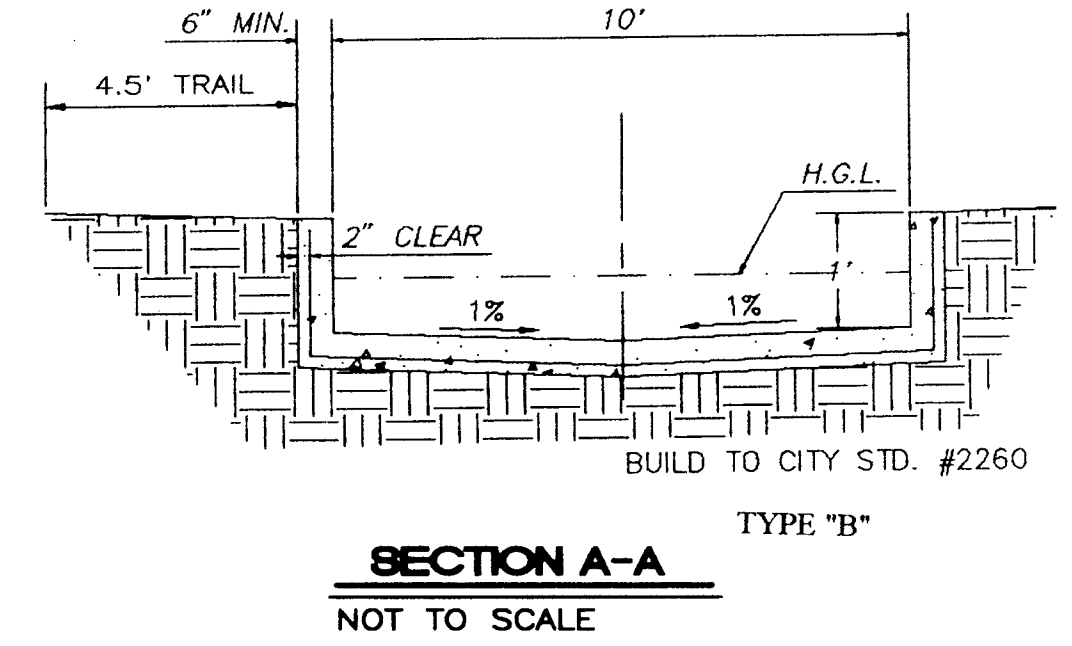
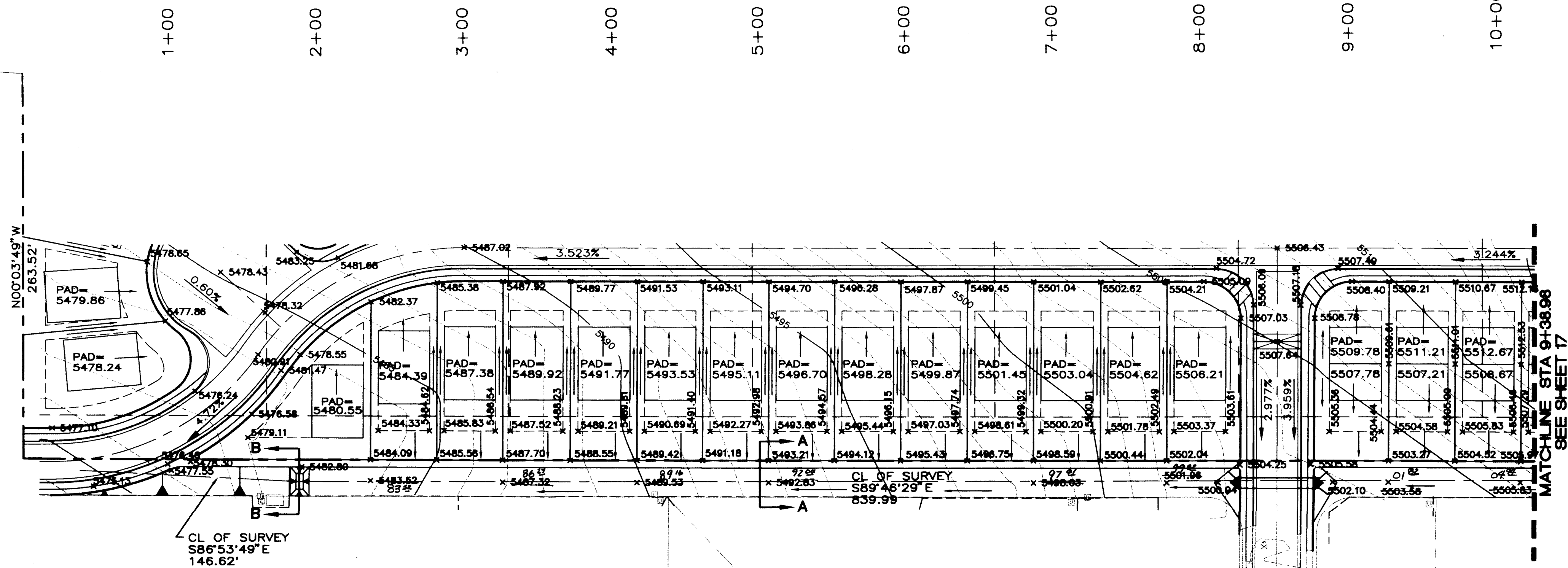
ZONE MAP NO. D-20-Z

SHEET 15 OF 18

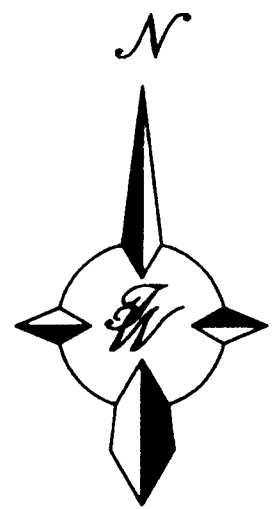
50\950058\9558PPSD.DWG\JDN\8-05-96

SCANNED BY
BY LASON

NGS MONUMENT "HEAVEN"
NM STATE PLANE COORDINATES
NAD 1927
X=407,051.31
Y=1,518,737.03
EL=5378.787
G=0.99965263
Δα= -0°10'45"

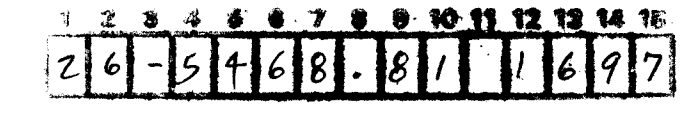


NOTE:
ALL ELEVATIONS ARE +5400.

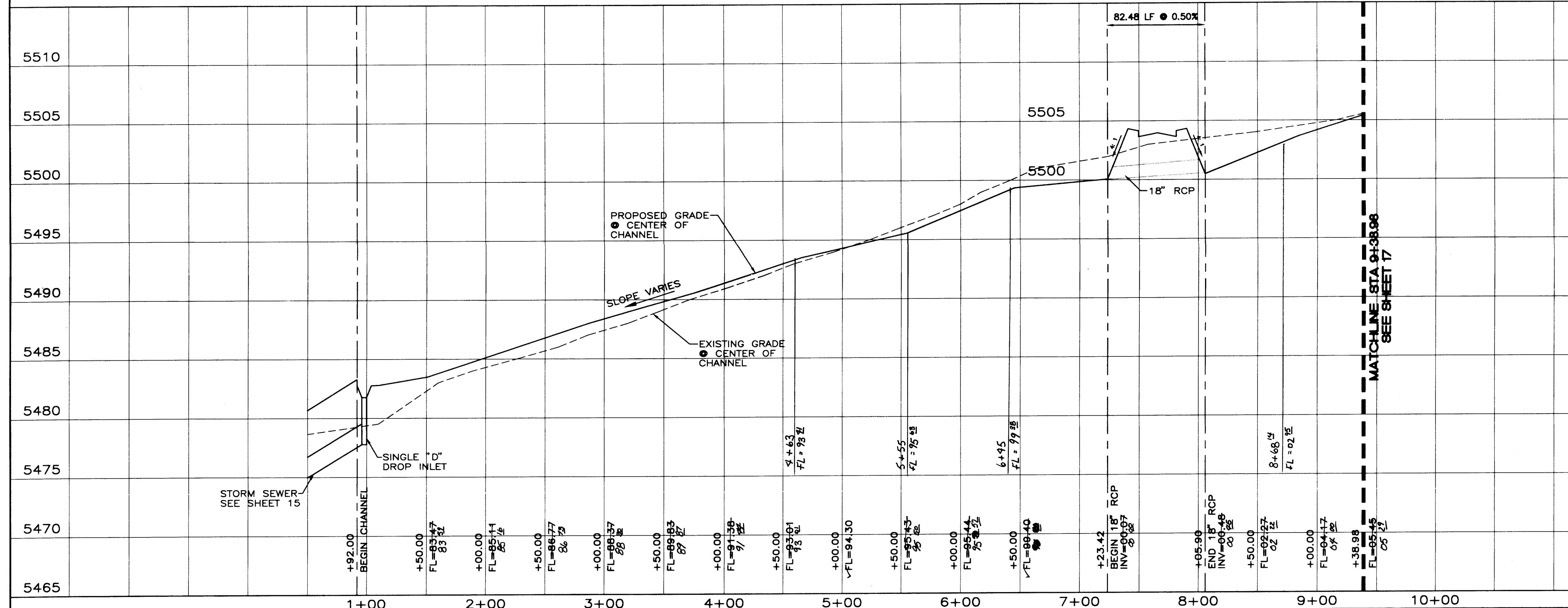


SECTION B-B
NOT TO SCALE

DRAINAGE CHANNEL
STA 0+92.00 TO 9+38.98



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



RECORD DRAWING
DATE: 1-27-97
DRAFTED BY: TIERRA WEST DEV.
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DOCUMENT AS A RESULT.

TIERRA WEST DEVELOPMENT
MANAGEMENT SERVICES
4421 McLEOD ROAD, N.E., SUITE D
ALBUQUERQUE, NEW MEXICO 87109
(505)883-7592

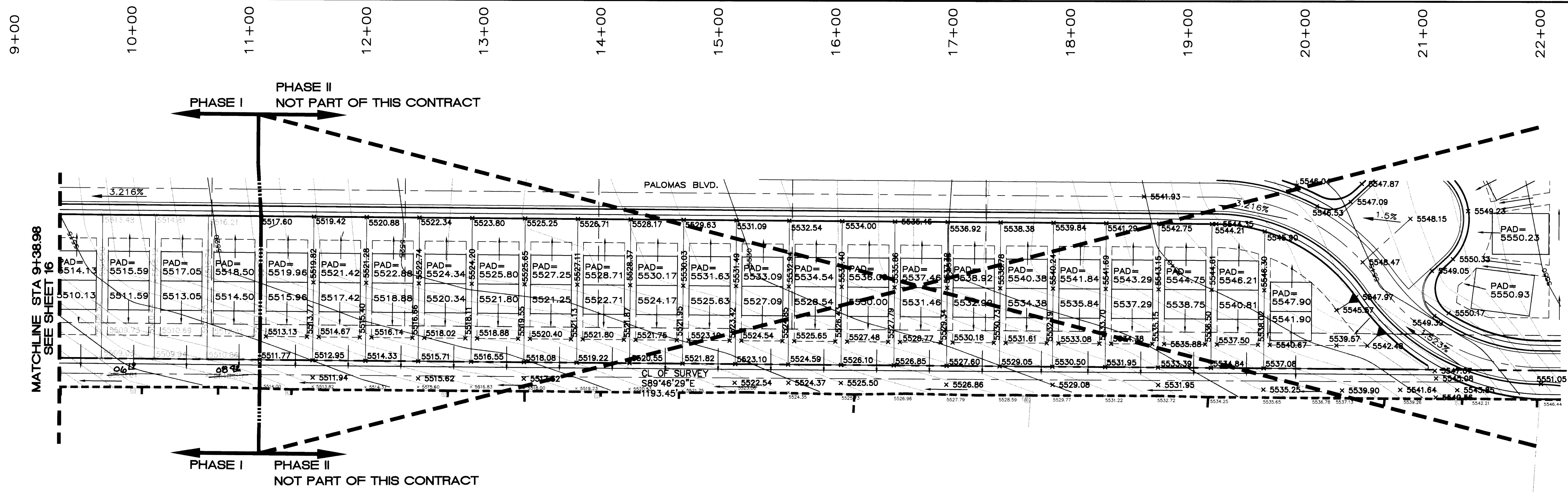
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: NORTH HERITAGE HILLS DRAINAGE CHANNEL IMPROVEMENTS STA 0+92.00 TO 9+38.98	
DESIGN REVIEW COMMITTEE APPROVE AUG 1996	CITY ENGINEER APPROVAL MO./DAY/YR. MO./DAY/YR.
CITY PROJECT NO. 546881	ZONE MAP NO. D-20-Z
SHEET 16 OF 18	

50\950058\9558PP7.DWG\JDN\8-05-96

SCANNED BY
BY LASON

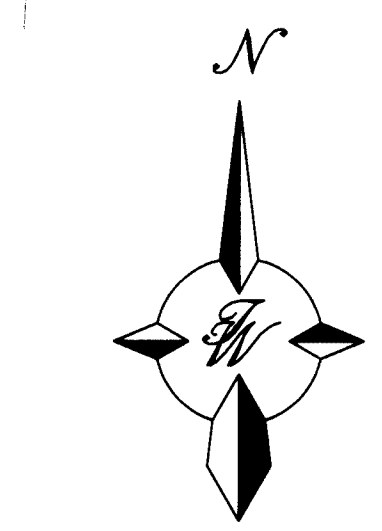
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16	1-27-97	16	1-27-97	16	1-27-97
17	1-27-97	17	1-27-97	17	1-27-97

ENGINEER'S SEAL		REVISIONS	
NO.	DATE	NO.	DATE
1	1-27-97	1	1-27-97
2	1-27-97	2	1-27-97
3	1-27-97	3	1-27-97
4	1-27-97	4	1-27-97
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14	1-27-97	14	1-27-97
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17	1-27-97	17	1-27-97



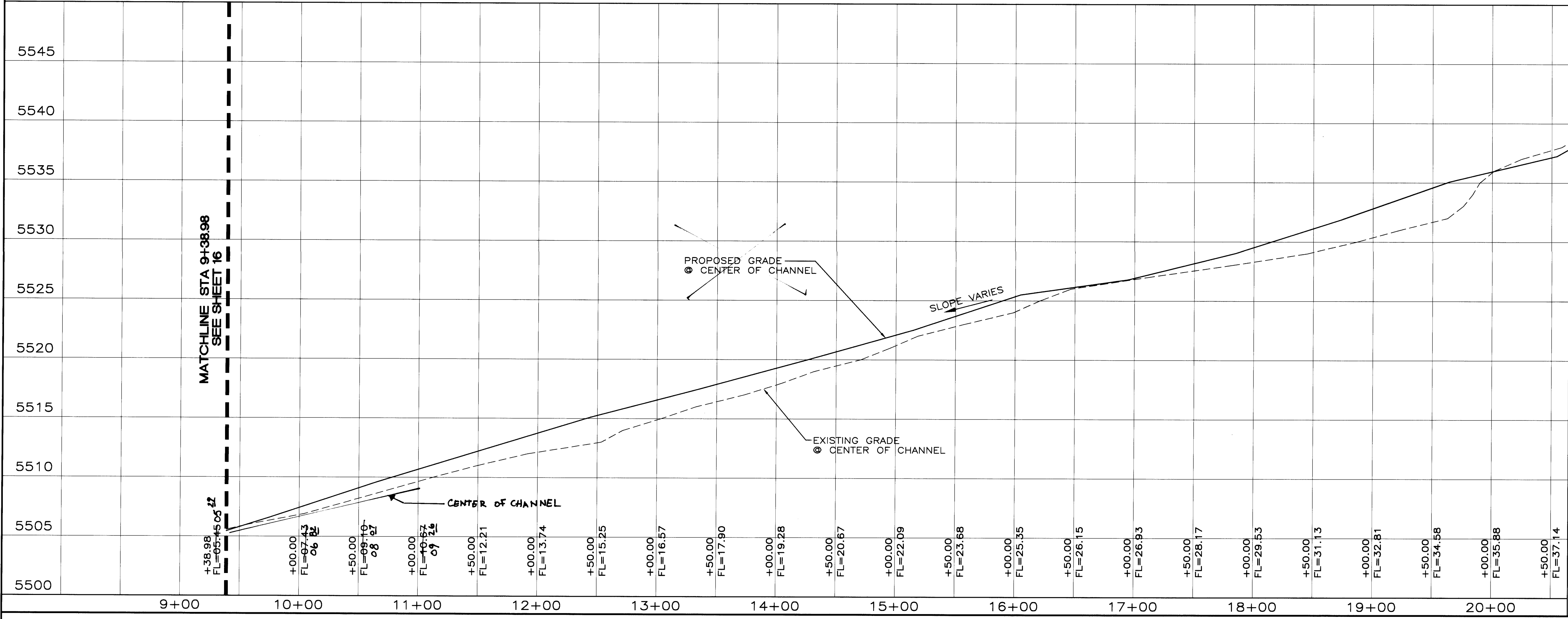
DRAINAGE CHANNEL
STA 9+38.98 TO 21+51.99

RECORD DRAWING
DATE: 1-27-97
DRAFTED BY: TERRA WEST DEV.
THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE DOCUMENT AS A RESULT.



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

MATCHLINE STA 9+38.98
SEE SHEET 16



TERRA WEST DEVELOPMENT
MANAGEMENT SERVICES
4421 McLEOD ROAD, N.E., SUITE D
ALBUQUERQUE, NEW MEXICO 87109
(505)883-7592

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:
NORTH HERITAGE HILLS
DRAINAGE CHANNEL IMPROVEMENTS
STA 9+38.98 TO 21+51.99

DESIGN REVIEW COMMITTEE
APPROVE
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL
APPROVE
SEP 13 1997
CITY ENGINEER

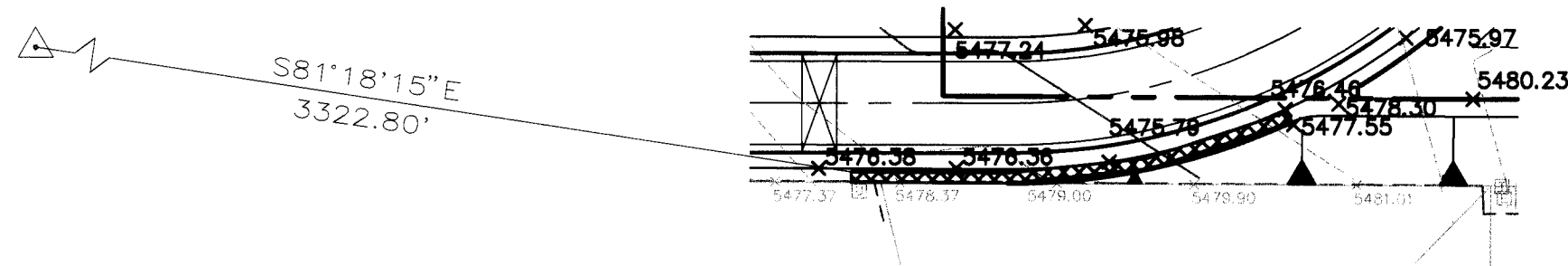
LAST DESIGN UPDATE

MO./DAY/YR.
MO./DAY/YR.

CITY PROJECT NO. 546881
ZONE MAP NO. D-20-Z
SHEET 17 OF 18

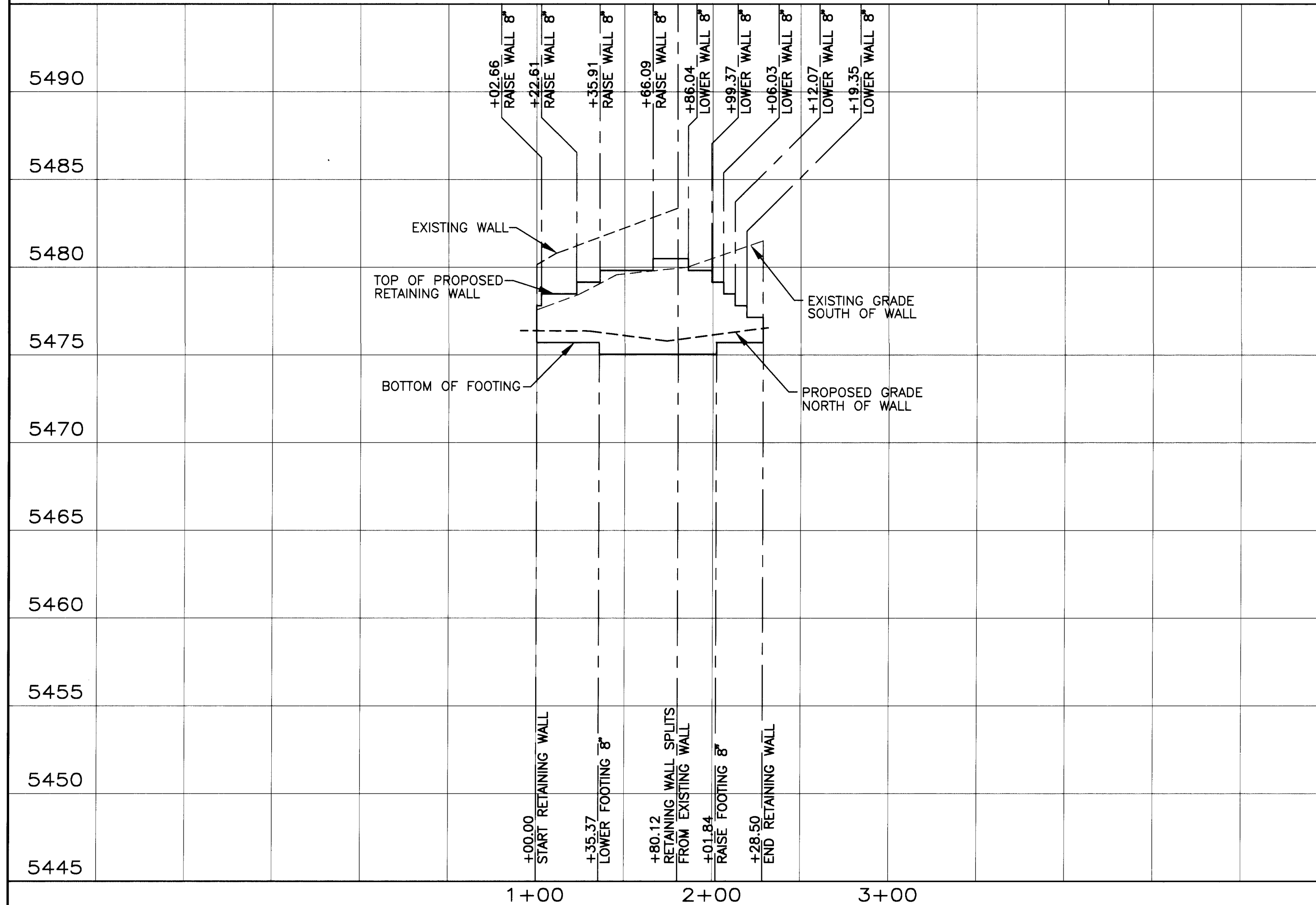
SURVEY INFORMATION			BENCH MARKS			AS BUILT INFORMATION		
NO.	FIELD NOTES	DATE	ACS "HEAVEN"	CENTRAL STATION DATA	CONTRACTOR	WORK STARTED BY	SPARLING CONSTRUCTION INC.	CONTRACTOR
	BY		NM STATE PLANE COORDINATES		INSPECTOR'S	INSPECTOR'S	SPARLING INC.	SPARLING INC.
			Central Zone		FIELD VERIFICATION BY	FIELD VERIFICATION BY	DATE 12/29/96	DATE 12/29/96
			X=407051.31		CORRECTED BY	CORRECTED BY	DATE 12/29/97	DATE 12/29/97
			Y=1518737.03					
			G-G=0.99965263					
			ΔΔ=-00'10.45"					
			ELEV=5378.787					

NGS MONUMENT "HEAVEN"
NM STATE PLANE COORDINATES
NAD 1927
X=407,051.31
Y=1,518,737.03
EL=5378.787
G-C=0.99965263
 $\Delta\alpha = -0^{\circ}10'45''$



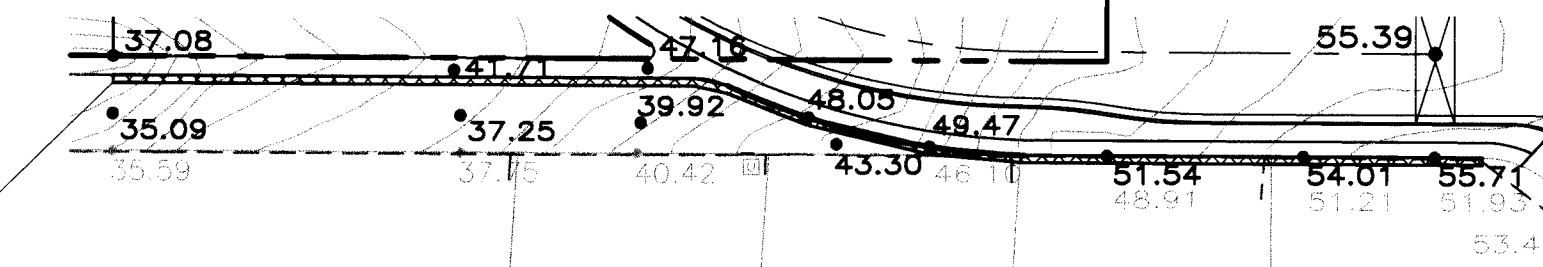
WEST ENTRANCE RETAINING WALL
STA 1+00.00 TO 2+96.16

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



1+00 2+00 3+00

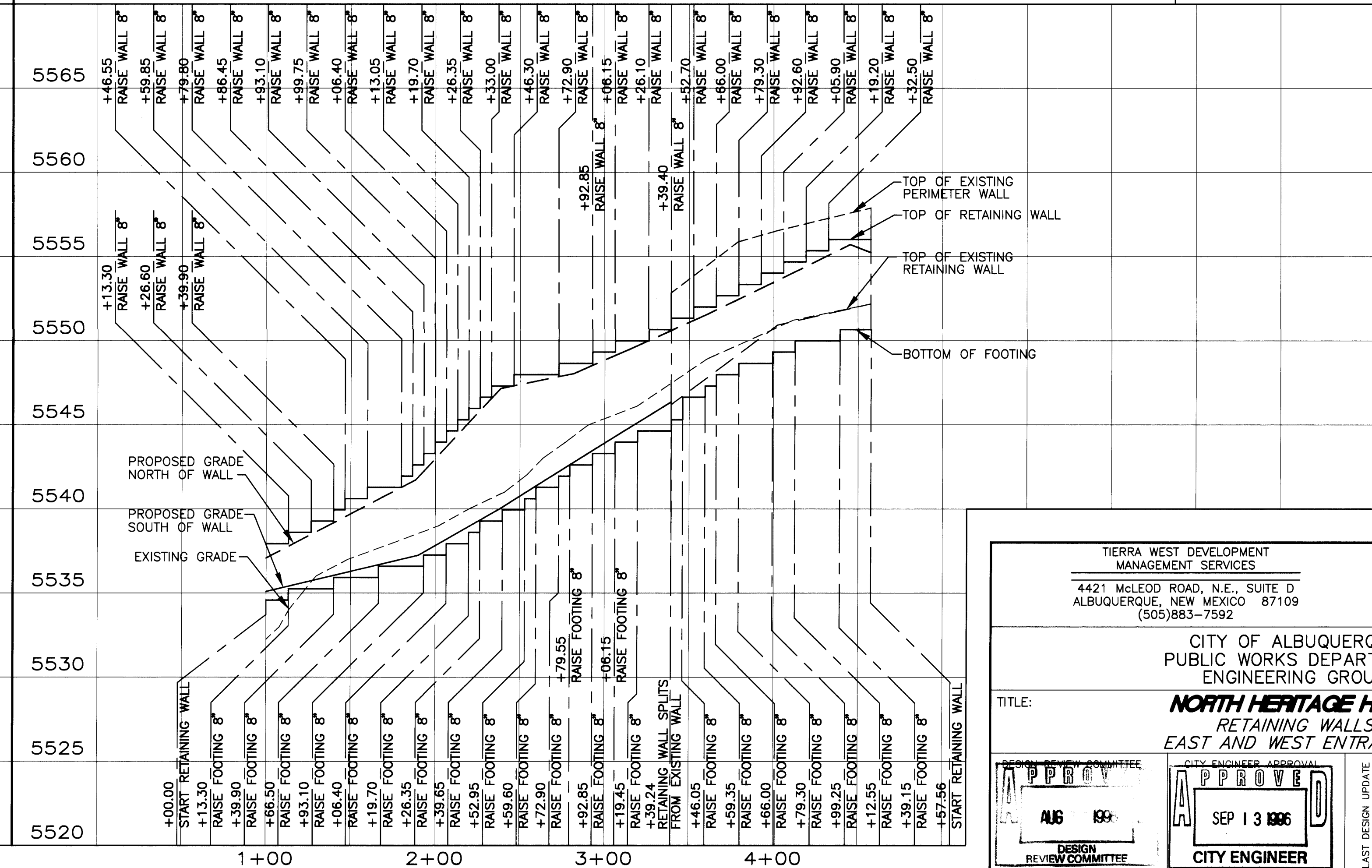
1+00 2+00 3+00



NGS MONUMENT "2-D20-A"
NM STATE PLANE COORDINATES
NAD 1927
X=410,218.35
Y=1,516,110.28
EL=5378.787
G-C=0.99964777
 $\Delta\alpha = -0^{\circ}10'23''$

EAST ENTRANCE RETAINING WALL
STA 1+00.00 TO 4+57.56

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



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

RECORD DRAWING
DATE: 1-27-97
DRAFTED BY: TIERRA WEST DEV.
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26-5468-81118197

NOTE:
SEE SHEET 3B OF 18 FOR
RETAINING WALL DETAIL.

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	FIELD NOTES	DATE	BY	CONTRACTOR	SPARKLING CONSTRUCTION INC.
				WORK	SPARKLING INC. DATE 9/20/96
				STARTED BY	SPARKLING INC. DATE 1/22/97
				INSPECTOR'S	COMMA. SCIENCE DATE 1/22/97
				FIELD	INSPECTION BY SPARKLING INC. DATE 1/24/97
				DATE	INSPECTION BY SPARKLING INC. DATE 1/27/97
				CORRECTED BY	TERRA WEST DEV. DATE 1/27/97
				MICRO-FILM INFORMATION	
				RECORDED BY	DATE
				NO.	NO.

ENGINEER'S SEAL

7-2-96

NO.	DATE	REMARKS	DESIGNED BY	DATE	CHECKED BY	DATE
			RRB	5-96		
			JON	5-96		
			RRB	5-96		

TERRA WEST DEVELOPMENT
MANAGEMENT SERVICES
4421 McLEOD ROAD, N.E., SUITE D
ALBUQUERQUE, NEW MEXICO 87109
(505)883-7592

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **NORTH HERITAGE HILLS**
RETAINING WALLS
EAST AND WEST ENTRANCES

DESIGN REVIEW COMMITTEE
APPROVED
AUG 1997

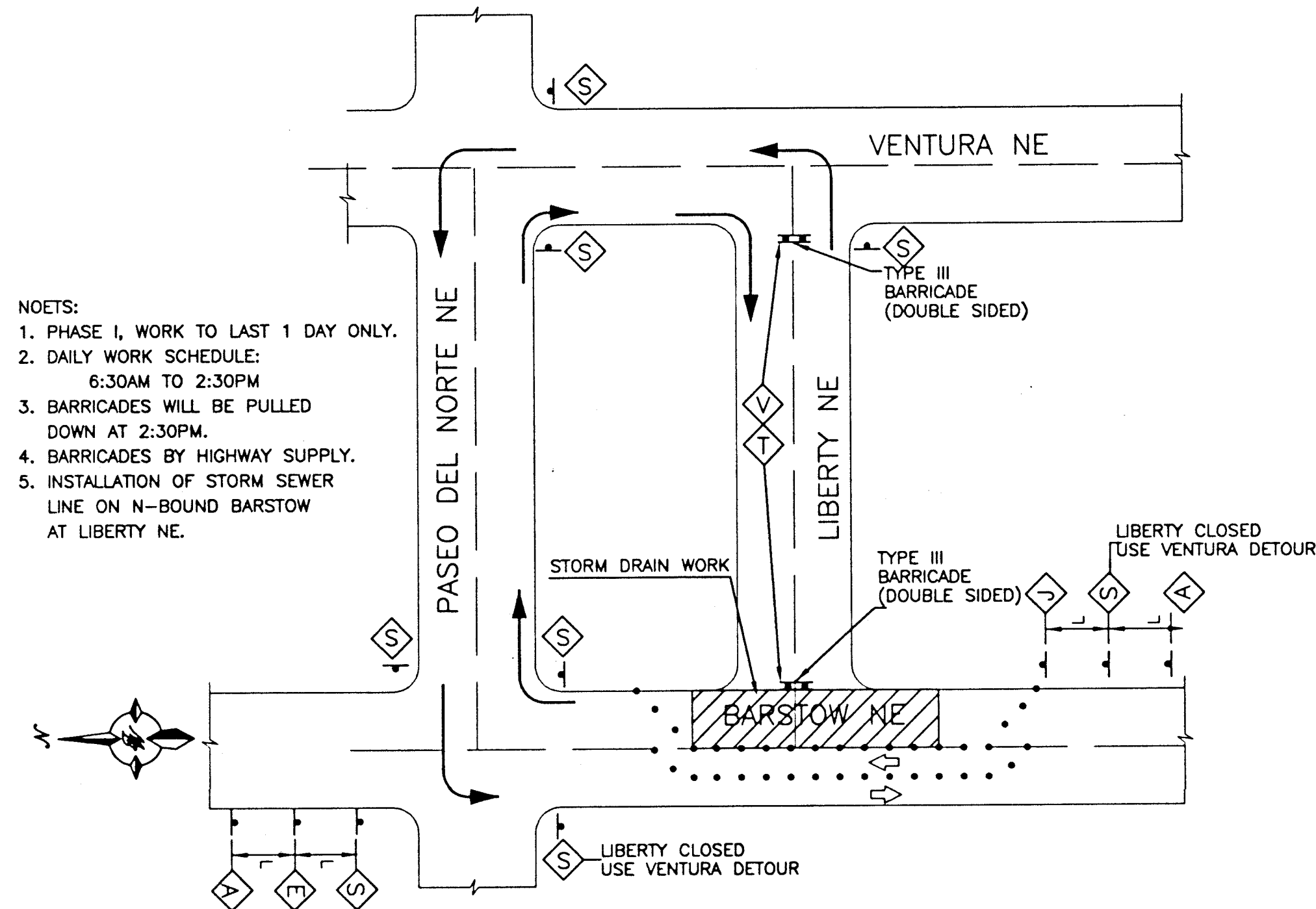
CITY ENGINEER APPROVAL
APPROVED
SEP 13 1996

LAST DESIGN UPDATE

CITY PROJECT NO. 50\950058\9558RWPP.DWG\JDN\8-01-96

ZONE MAP NO. D-20-Z

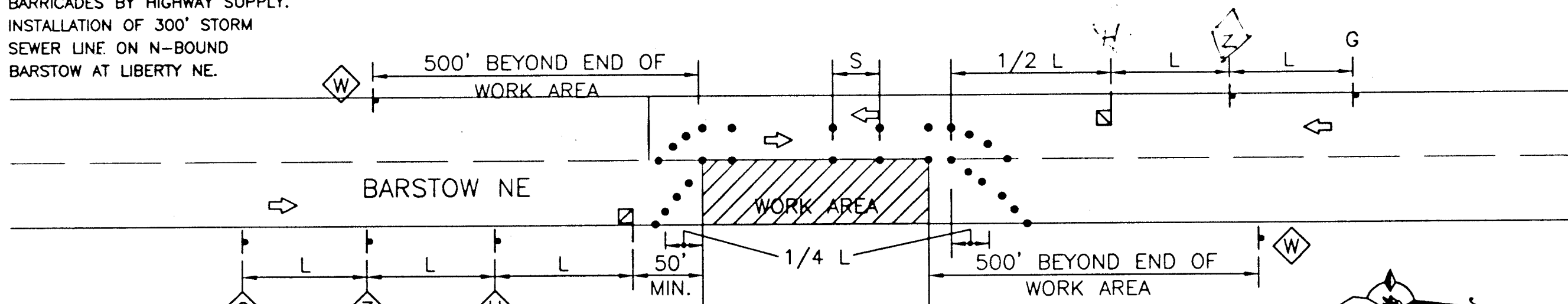
SHEET 18 OF 18



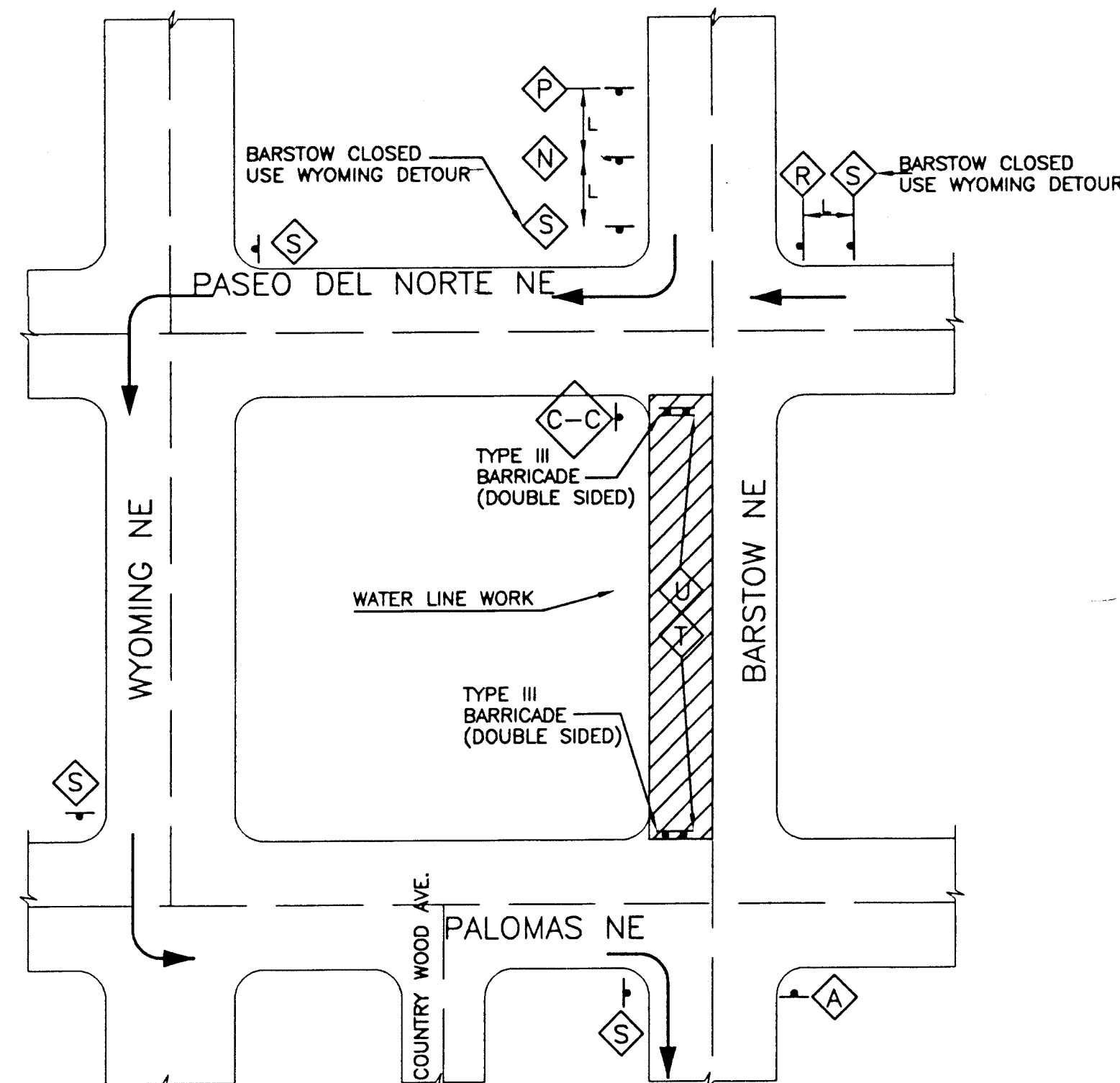
- NOETS:
1. PHASE I, WORK TO LAST 1 DAY ONLY.
 2. DAILY WORK SCHEDULE:
6:30AM TO 2:30PM
 3. BARRICADES WILL BE PULLED DOWN AT 2:30PM.
 4. BARRICADES BY HIGHWAY SUPPLY.
 5. INSTALLATION OF STORM SEWER LINE ON N-BOUND BARSTOW AT LIBERTY NE.

TYPICAL STREET CLOSURE
(BARSTOW & LIBERTY)

- NOETS:
1. PHASE I, WORK TO LAST 3 DAYS.
 2. DAILY WORK SCHEDULE:
6:30AM TO 5:30PM
 3. BARRICADES BY HIGHWAY SUPPLY.
 4. INSTALLATION OF 300' STORM SEWER LINE ON N-BOUND BARSTOW AT LIBERTY NE.



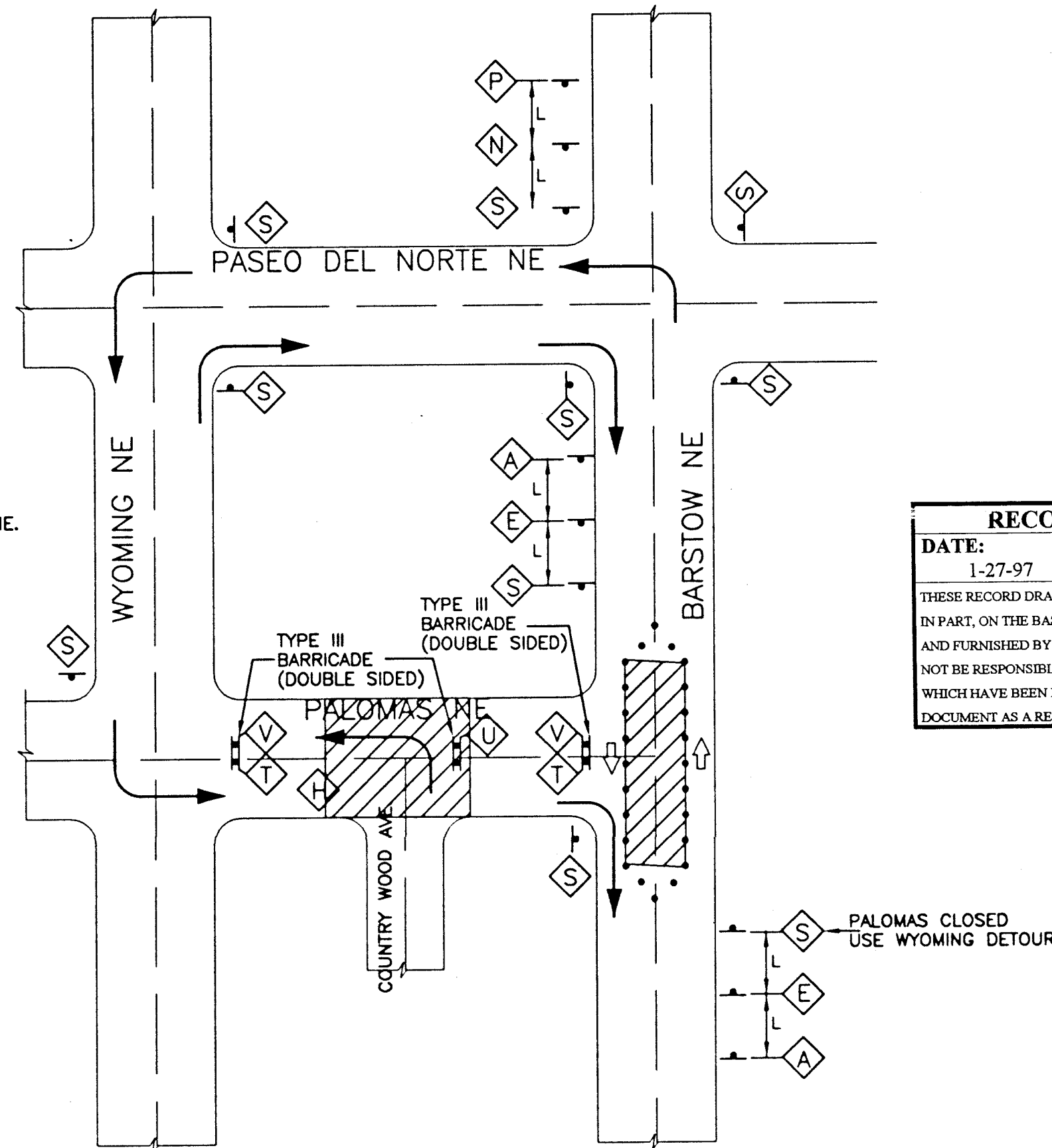
TYPICAL FLAGGING OPERATION
(BARSTOW NE)



- NOETS:
1. WORK TO LAST 5 DAYS.
 2. DAILY WORK SCHEDULE:
6:30AM TO 2:30PM
 3. BARRICADES WILL BE PULLED DOWN AT 2:30PM.
 4. BARRICADES BY HIGHWAY SUPPLY.
 5. INSTALLATION OF 495' WATER LINE ON WEST SHOULDER OF BARSTOW NE.

TYPICAL STREET CLOSURE
(BARSTOW)

- NOETS:
1. PHASE I, WORK TO LAST 7 DAYS.
 2. DAILY WORK SCHEDULE:
6:30AM TO 5:30PM
 3. BARRICADES BY HIGHWAY SUPPLY.
 4. INTERSECTION OF BARSTOW & PALOMAS WILL BE DONE 1/2 AT A TIME.
 5. INSTALLATION OF SAS LINE.



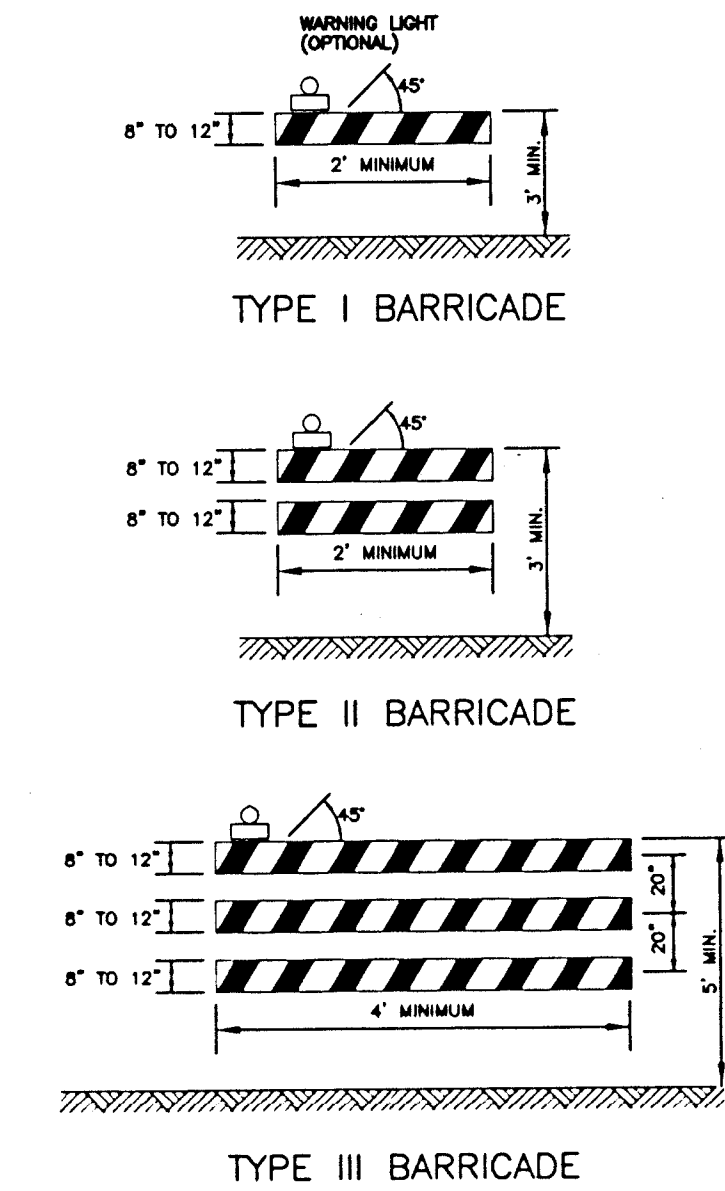
TYPICAL STREET CLOSURE
(PALOMAS NE)

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

RECORD DRAWING

DATE: 1-27-97 DRAFTED BY: TIERRA WEST DEV.

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPLIED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE DOCUMENT AS A RESULT.



NOTE: FLASHING OR STEADY BURN WARNING LIGHTS SHOULD BE USED ON BARRICADES, PANELS, AND DRUMS AS NEEDED.

LEGEND

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

TAPER LENGTH - ON CHART AT LEFT
TANGENT LENGTH - IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET

NOTES

1. ALL ADVANCE WARNING SIGNS ARE TO BE DOUBLE INDICATED WHENEVER MEDIANS ARE PRESENT.
2. TRANSFORMATION FROM EXISTING SIGNALS TO SPAN WIRE IS TO OCCUR AT OFF PEAK HOURS.
3. THIS IS A STANDARD TRAFFIC CONTROL SITUATION AND SOME TRAFFIC CONTROL SITUATIONS MAY BE SHOWN THAT ARE NOT REQUIRED ON THIS PARTICULAR PROJECT.

ACCESS TO

ACCESS INFORMATION SIGN 60"x60" -Y-

LEFT TWO LANES CLOSED AHEAD

RIGHT TWO LANES CLOSED AHEAD

ONE LANE ROAD AHEAD

ROAD CLOSED AHEAD

ROAD CLOSED TO THRU TRAFFIC

END CONSTRUCTION

ROAD CLOSED 500'

KEEP RIGHT

DETOUR

DETOUR

ROAD CLOSED

NO LEFT TURN

RIGHT LANE MUST TURN RIGHT

BE PREPARED TO STOP

LEFT LANE MUST TURN LEFT

NOTE: ARROW DIRECTION TO BE ADJUSTED AS NEEDED.

TIERRA WEST DEVELOPMENT
MANAGEMENT SERVICES

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TRAFFIC CONTROL DETAILS
NORTH HERITAGE HILLS

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

PROJECT NO. 546881 MAP NO. D-20-Z SHEET 19 OF 18

AS BUILT INFORMATION

CONTRACTOR: SPARKLING CONSTRUCTION INC.

WORK: SPARKLING CONSTRUCTION INC.

DATE: 9/20/96

STAKE: BY: SPARKLING CONSTRUCTION INC.

DATE: 1/23/97

INSPECTOR: BY: SPARKLING CONSTRUCTION INC.

DATE: 1/23/97

FIELD: BY: SPARKLING CONSTRUCTION INC.

DATE: 1/23/97

DRAWING: BY: SPARKLING CONSTRUCTION INC.

DATE: 1/23/97

CORRECTED BY: SPARKLING CONSTRUCTION INC.

DATE: 1/23/97

RECORDED BY: SPARKLING CONSTRUCTION INC.

DATE: 1/23/97

NO.