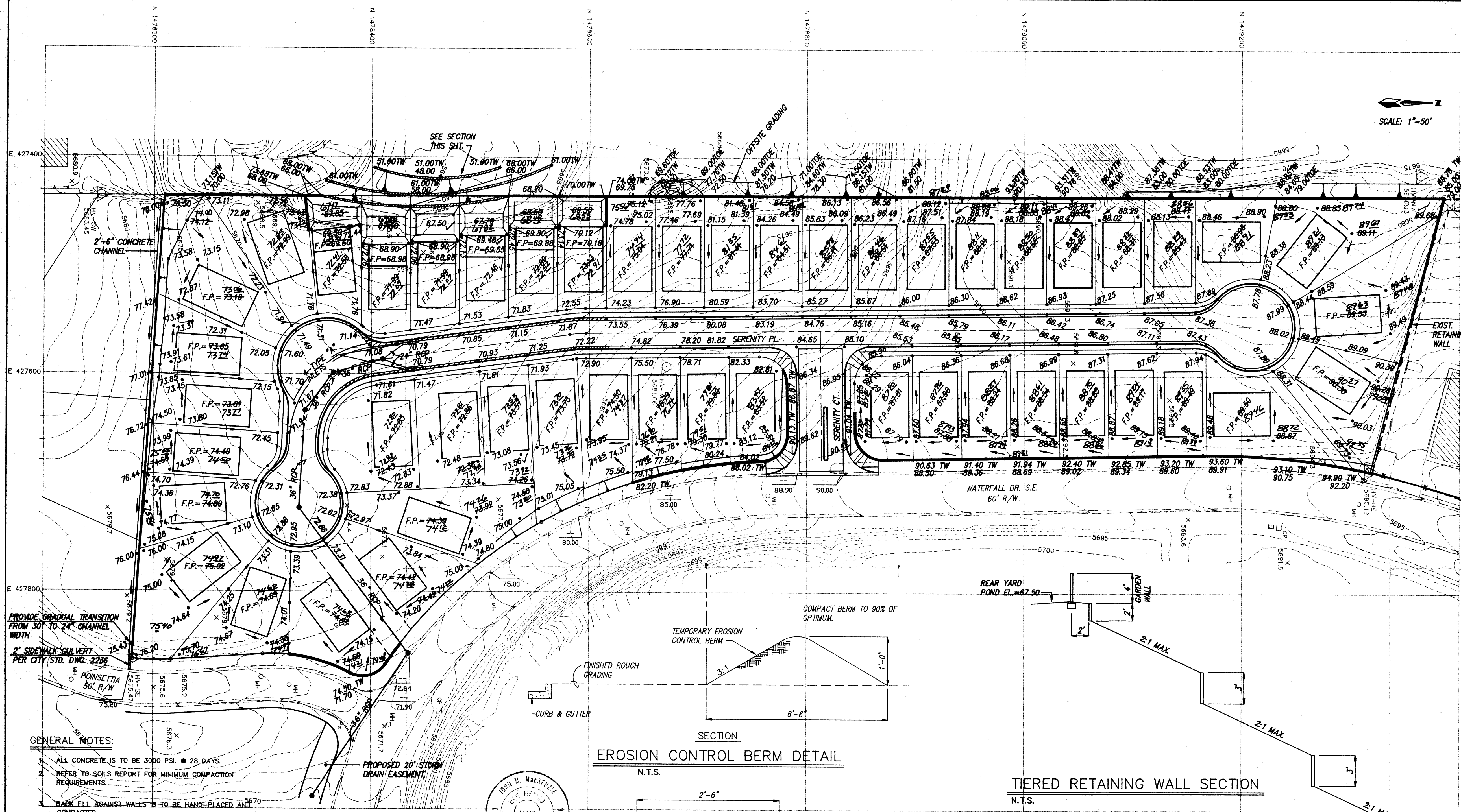


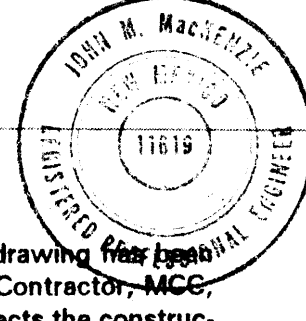


- GENERAL NOTES:**
- ALL CONCRETE IS TO BE 3000 PSI @ 28 DAYS.
 - REFER TO SOILS REPORT FOR MINIMUM COMPACTION REQUIREMENTS.
 - BACK FILL AGAINST WALLS IS TO BE HAND-PLACED AND COMPACTED.
 - ALL BARS ARE TO BE GRADE 60, ASTM 615.
 - TRUSS TYPE DUR-O-WALL EVERY OTHER COURSE.

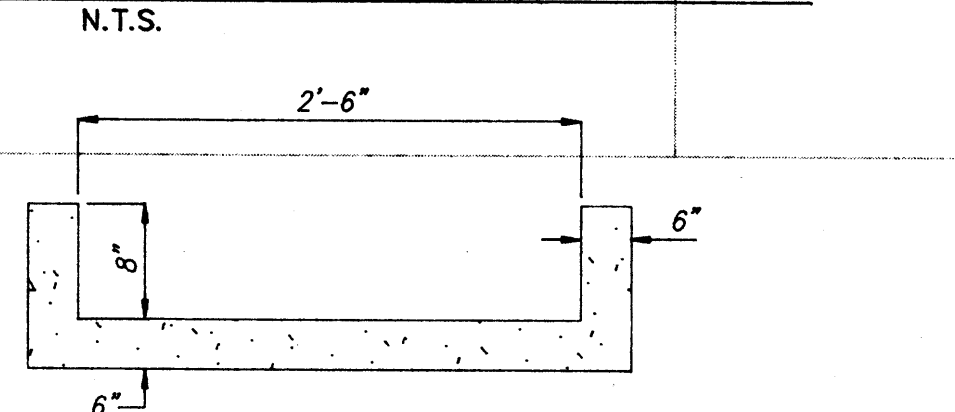
I hereby certify that the information contained on this drawing was revised in accordance with information furnished by the Contractor, MCG, Inc. and by the Surveyor, Lucero and Associates, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

John M. MacKenzie 7/19/94
 John M. MacKenzie NMPE 11619

RECORD DRAWING



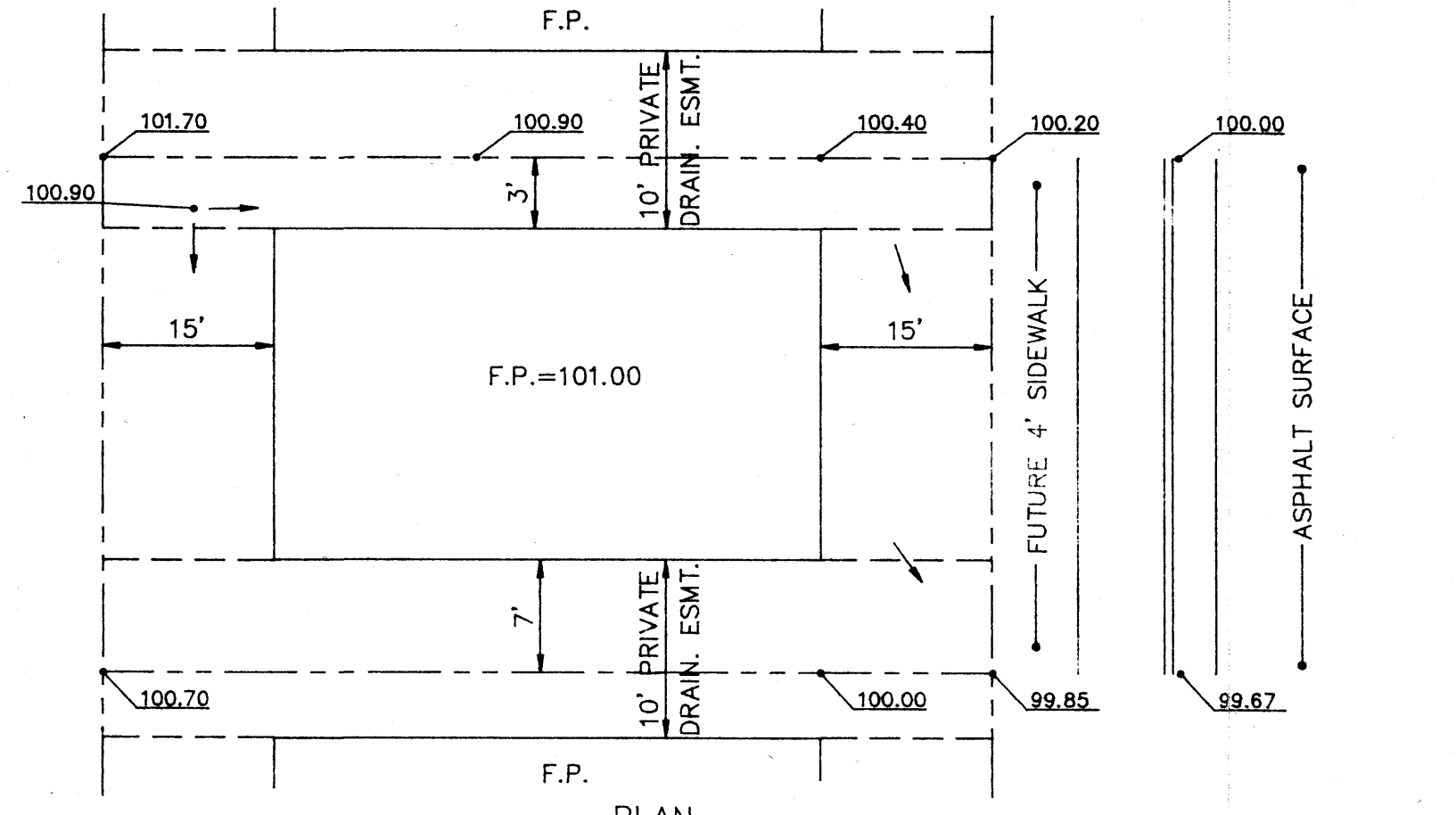
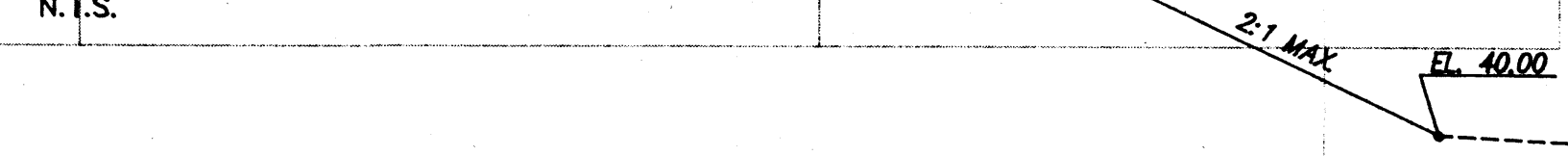
EROSION CONTROL BERM DETAIL



CONCRETE CHANNEL DETAIL

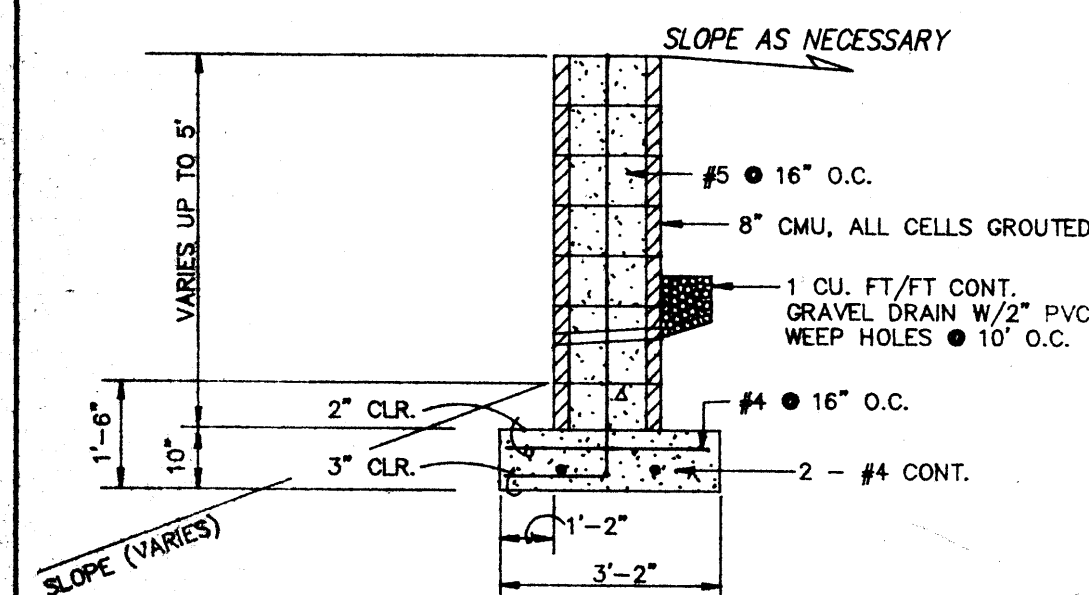


TIERED RETAINING WALL SECTION



TYPICAL LOT LAYOUT

N.T.S.



TYPICAL RETAINING WALL DETAIL

SCALE: NONE

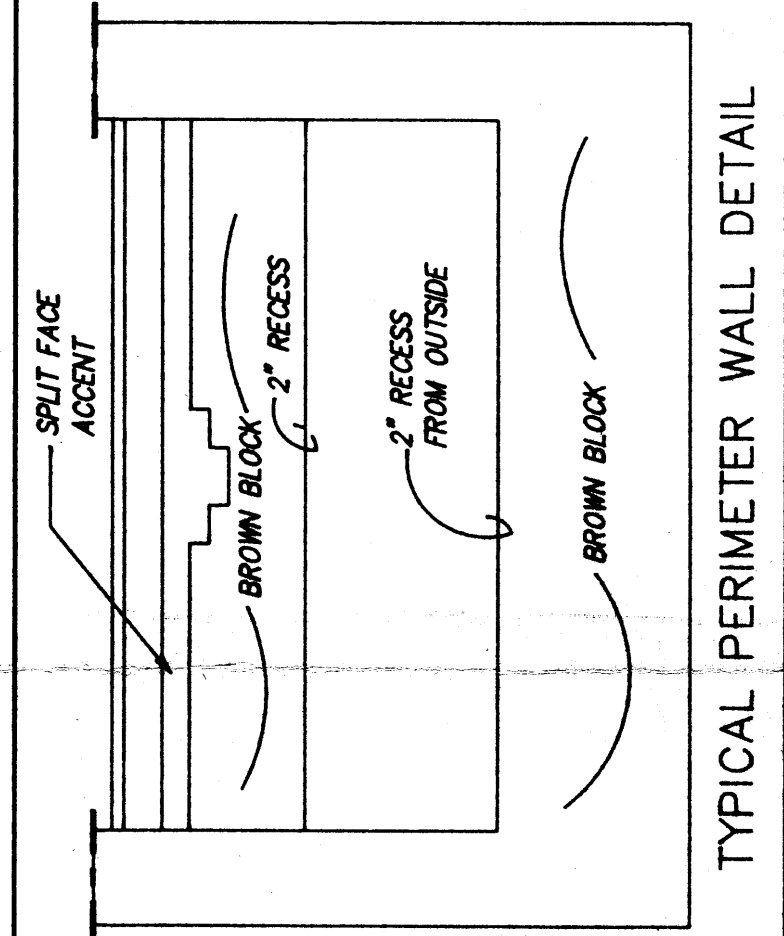
EXPANSION JT. DETAIL FOR RETAINING WALL

SCALE: NONE

TYPICAL LOT LAYOUT

N.T.S.

- GENERAL NOTES**
- CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.
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 - THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AS PER DTL. THIS SHT. AND WETTING THE SOIL TO KEEP IT FROM BLOWING.
 - THE EARTHWORK CONTRACTOR SHALL STOCKPILE ENOUGH MATERIAL ADJACENT TO RETAINING WALL LOCATIONS TO BE UTILIZED FOR WALL BACKFILL.
 - 10' PRIVATE DRAINAGE EASEMENTS BETWEEN ALL LOTS.
 - ALL LOTS WITH REAR YARD PONDS SHALL BE GRADED SUCH THAT ONLY THE REAR YARD WILL DRAIN TOWARD THE POND, AND ALL ROOFS DRAIN TOWARD THE FRONT.



TYPICAL PERIMETER WALL DETAIL

LEGEND

- STANDARD CURB & GUTTER
- PROPOSED SPOT ELEVATION
- RETAINING WALL
- FINISHED PAD ELEVATION
- EXISTING SPOT ELEVATION
- FLOW LEADER
- TOP OF WALL
- 2:1 MAX. SLOPE
- 3:1 MAX. SLOPE

dmg D. MARK GOODWIN & ASSOCIATES, P.A.
 CONSULTING ENGINEERS & SURVEYORS
 P.O. BOX 90806
 ALBUQUERQUE, NEW MEXICO 87199
 (505) 828-2200

CITY OF ALBUQUERQUE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING GROUP

TITLE: **NORTH FOUR HILLS SUBDIVISION UNIT II GRADING & DRAINAGE PLAN**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>[Signature]</i>	7-29-93	WATER	<i>[Signature]</i>	7-29-93
TRANSPORTATION	<i>[Signature]</i>	7-29-93	WASTE WATER	<i>[Signature]</i>	7-29-93
HYDROLOGY	<i>[Signature]</i>	7-29-93			

PROJECT NO. **4684.90**

SHEET **4** OF **11**

MJB/GD50

HYDROLOGY DIV.

SERENITY HILLS SUBDIVISION

PRUDENT LINE STUDY



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

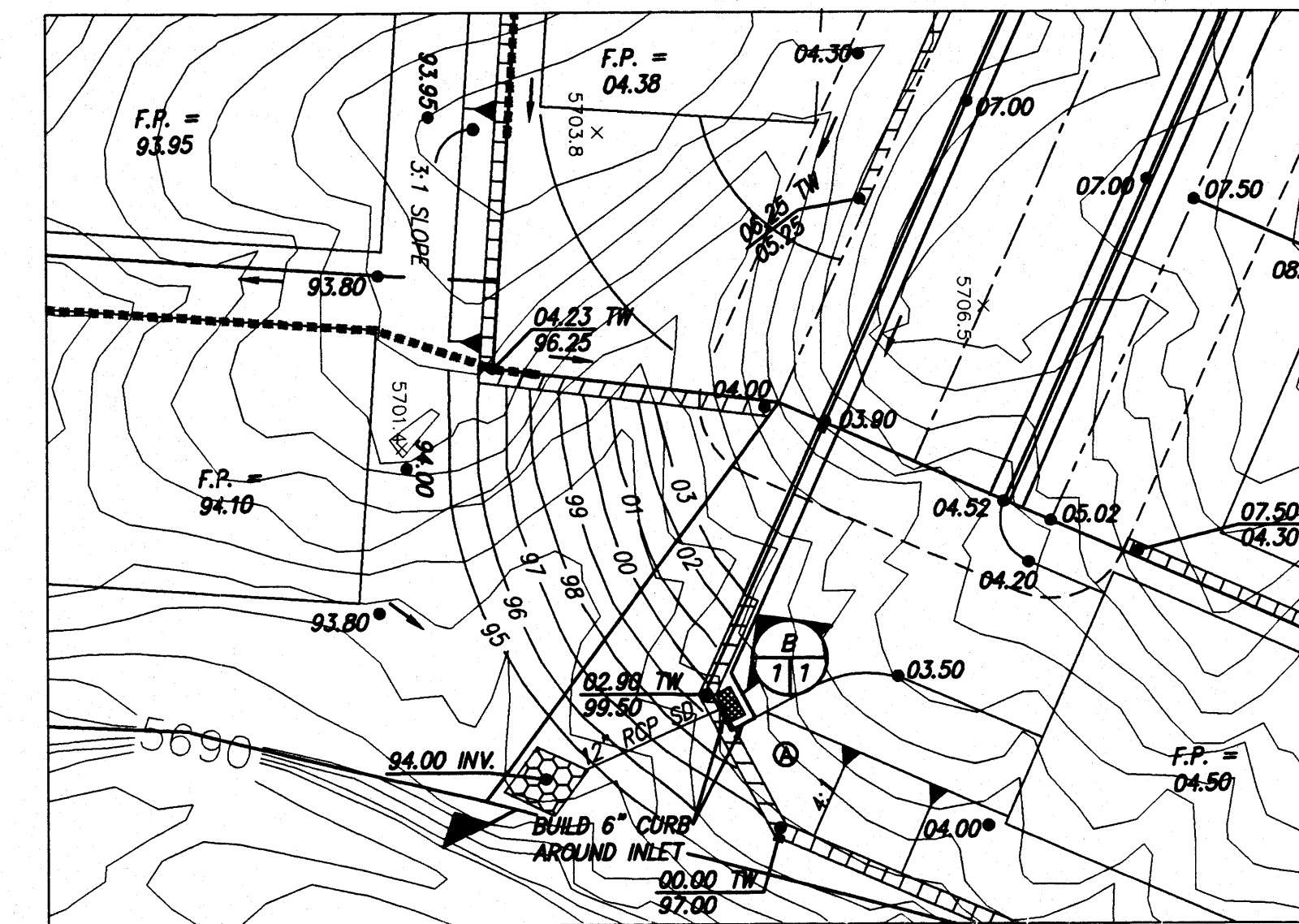
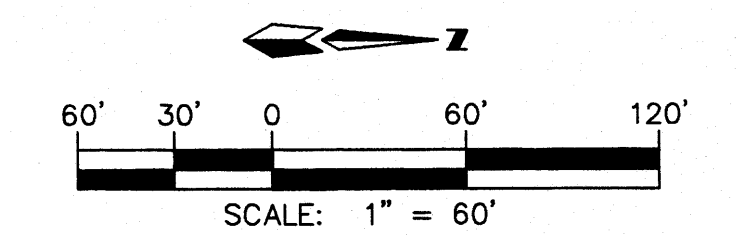
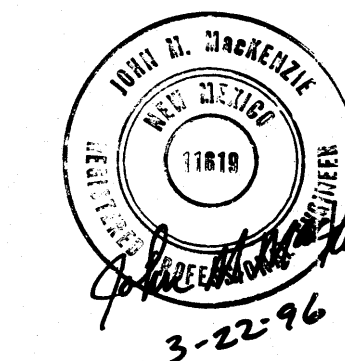
Designed: JMM	Drawn: STAFF	Checked: DMG	Sheet 2 of 2
Scale: 1" = 60'	Date: 2/5/96	Job: 95004	

LEGEND

	PROPERTY LINE
	EXISTING CONTOUR
	CROSS SECTION
	BUILDING PAD
	PRUDENT LINE

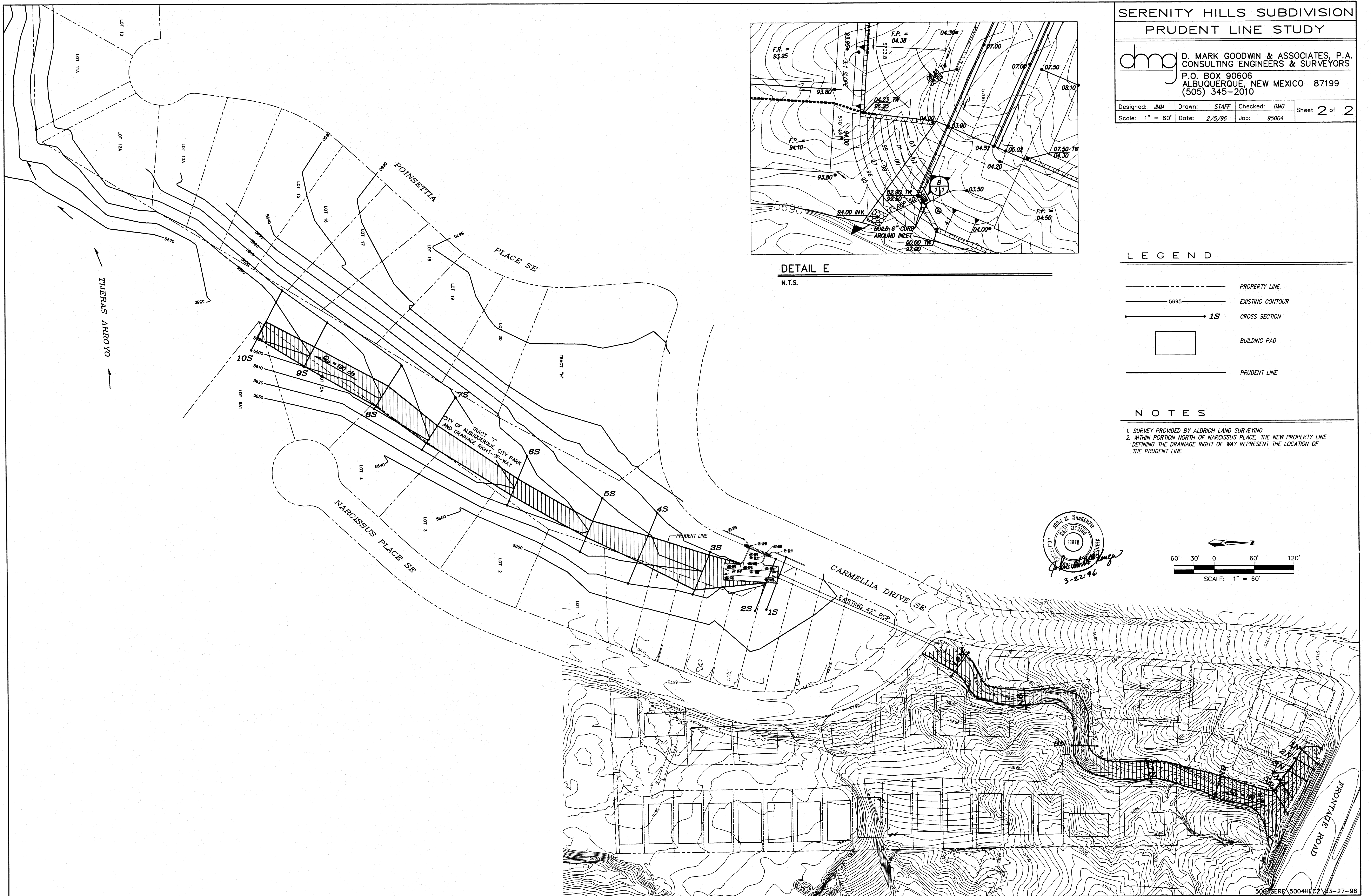
NOTES

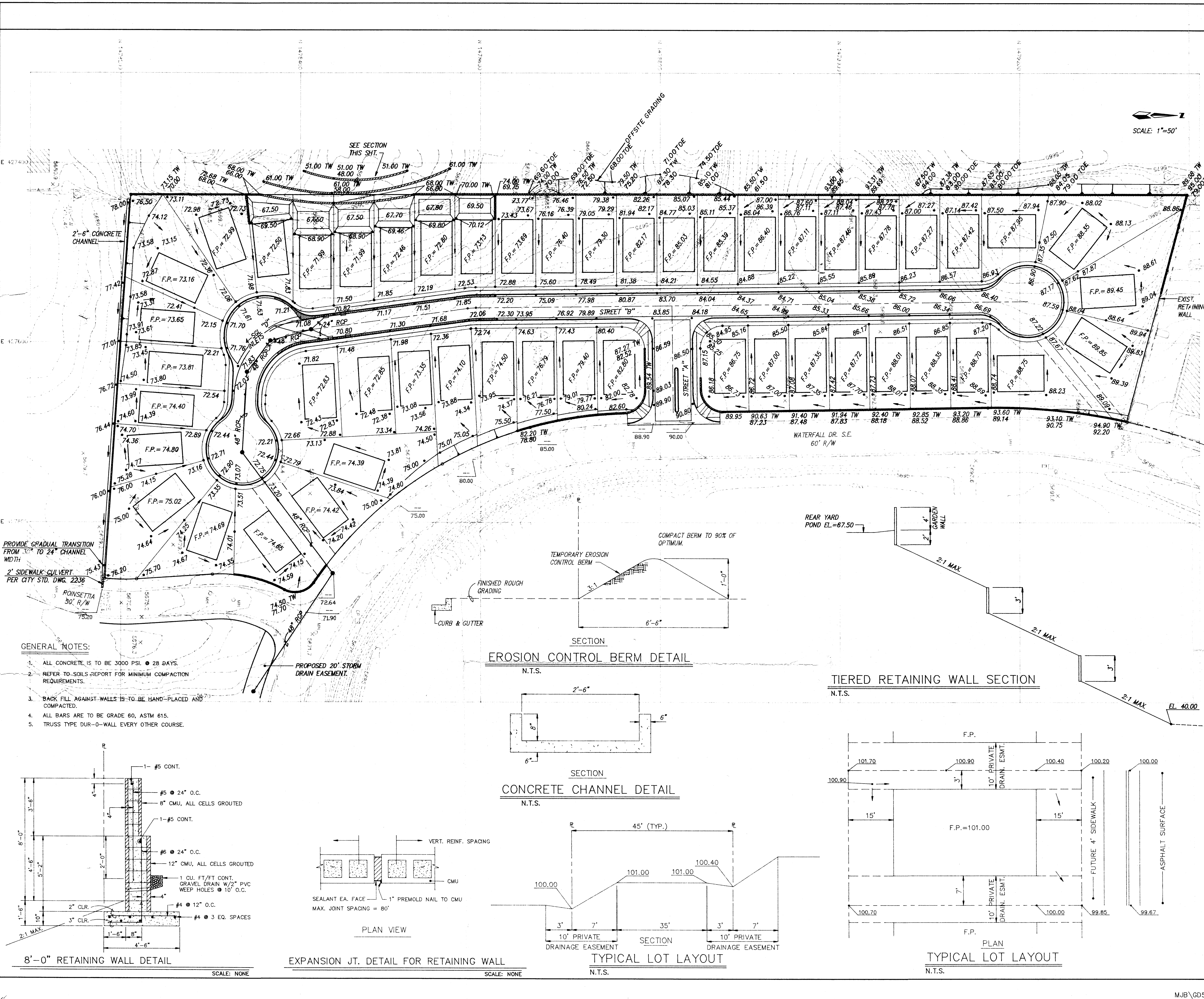
1. SURVEY PROVIDED BY ALDRICH LAND SURVEYING
2. WITHIN PORTION NORTH OF NARCISSUS PLACE, THE NEW PROPERTY LINE DEFINING THE DRAINAGE RIGHT OF WAY REPRESENT THE LOCATION OF THE PRUDENT LINE.



DETAIL E

N.T.S.





GENERAL NOTES

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LEGEND

- STANDARD CURB & GUTTER
- 76.76 PROPOSED SPOT ELEVATION
- RETAINING WALL
- F.P.=79.66 FINISHED PAD ELEVATION
- 75.00 EXISTING SPOT ELEVATION
- FLOW LEADER
- TW TOP OF WALL

APPROVED FOR ROUGH GRADING 1± _____ DATE _____

dmg D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS & SURVEYORS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200

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

**TITLE: NORTH FOUR HILLS SUBDIVISION
UNIT II
GRADING & DRAINAGE PLAN**

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

PROJECT NO.	MAP NO.	SHEET	OF
	L23	3	3

AS BUILT INFORMATION

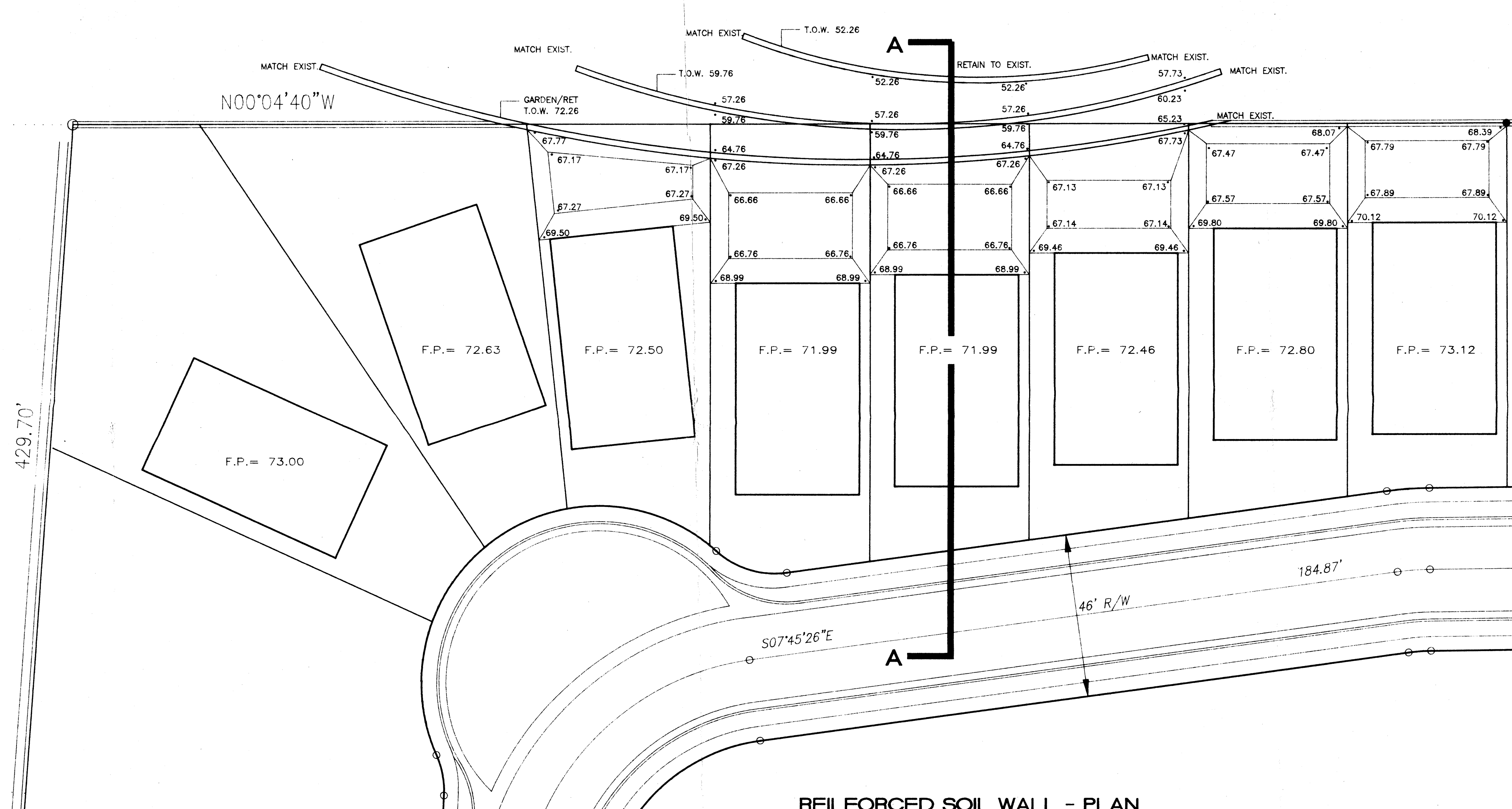
CONTRACTOR	DATE
WORK STAMPED BY	DATE
FIELD INSPECTION BY	DATE
FIELD ACCEPTANCE BY	DATE
FIELD CORRECTION BY	DATE
FIELD CORRECTED BY	DATE
RECORDED BY	DATE

ENGINEER'S SEAL

Mark Goodwin 2/16/13

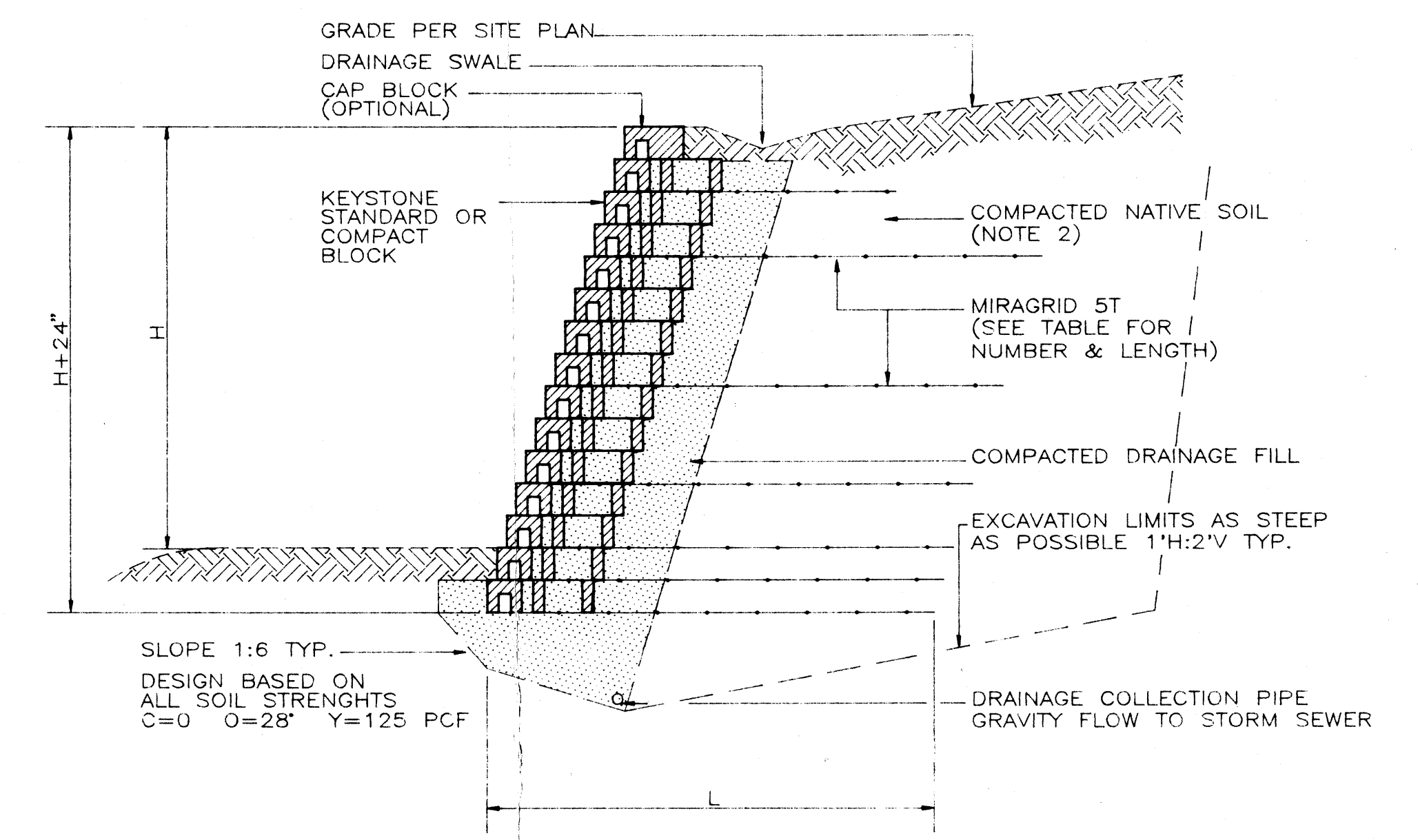
NO.	DATE	REMARKS	BY
		DESIGN	
	2/9/13	REVISIONS	
	2/9/13		
	2/9/13		

ENGINEER'S SEAL	UNIT 2	DRAWN BY	JCS
	NORTH FOUR HILLS	DATE	10-12-92
DATE	SITE DEVELOPMENT/ LANDSCAPE PLAN	PLAT	2.0WG
	TERRA WEST DEVELOPMENT MANAGEMENT SERVICES	SHEET #	1 OF 3
RONALD R. BCHANNNAN P.E. #7868	4600 MONTGOMERY BLVD. N.E., SUITE 9 ALBUQUERQUE, NEW MEXICO 87109 (505)883-7592	JOB #	920040

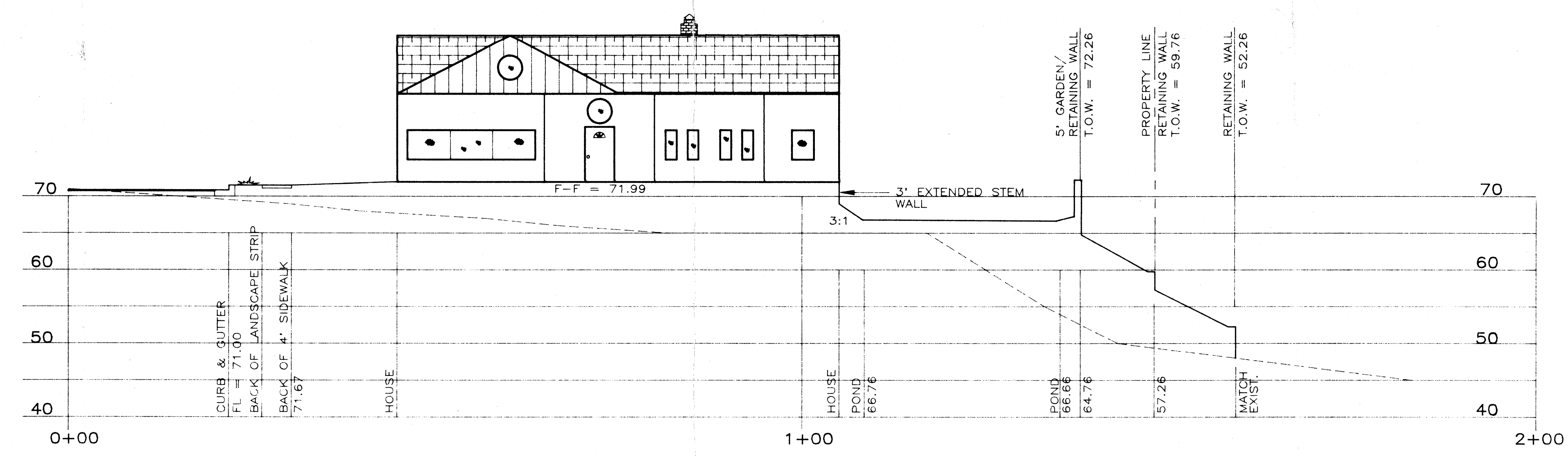


REILFORCED SOIL WALL - PLAN

SCALE: 1"=30'



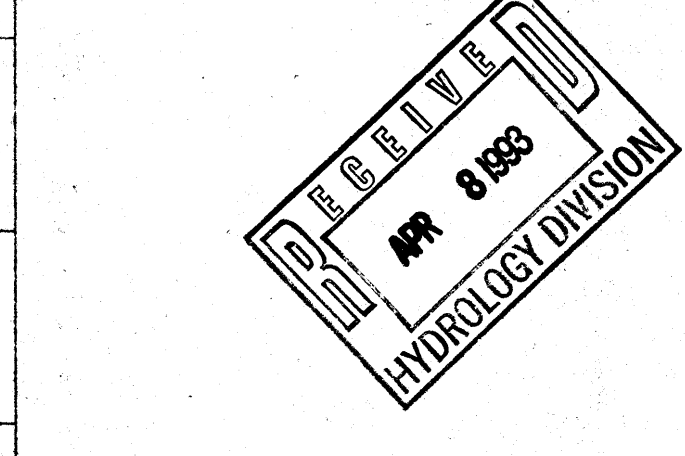
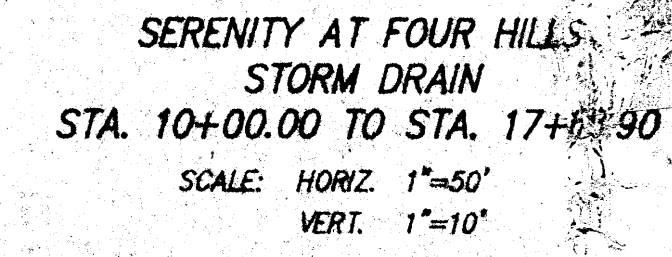
TYPICAL REINFORCED SOIL WALL - SECTION



SECTION A-A

SCALE: 1"=10' HORIZONTAL
1"=10' VERTICAL

ENGINEER'S SEAL	NORTH FOUR HILLS SUBDIVISION UNIT II TRACTS F AND G	DRAWN BY JCS
		DATE 2-5-92
RONALD R. BUHANNAN P.E. #7868	GRADING PROFILE SHEET	9240SEC.DWG
		SHEET #
		2 OF 3
	TIERRA WEST DEVELOPMENT MANAGEMENT SERVICES	
	4600 MONTGOMERY BLVD. N.E., SUITE 9 ALBUQUERQUE, N.M. MEXICO 87109 (505)863-7592	JOB # 920040



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ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

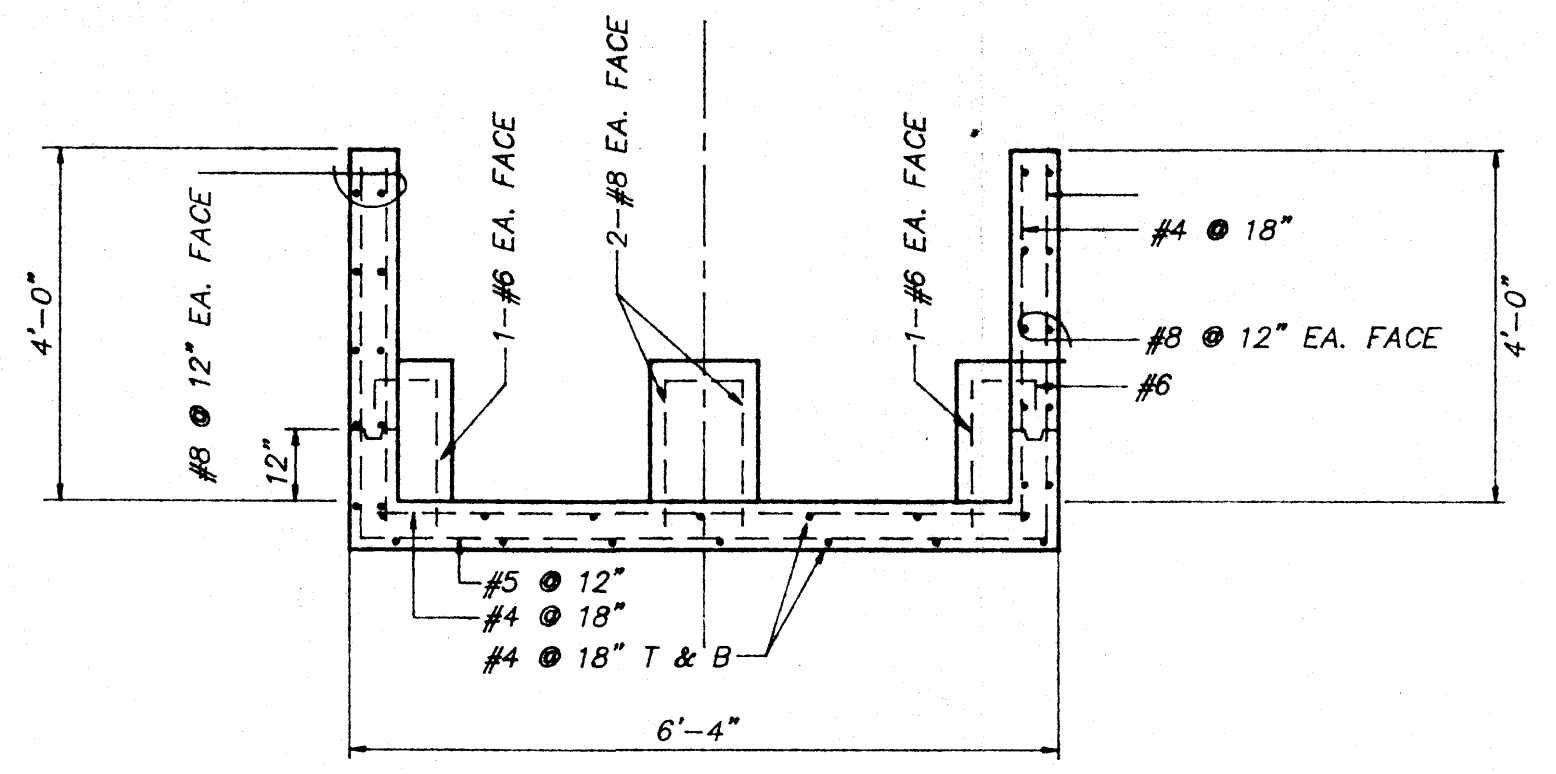
TITLE: SERENITY AT FOUR HILLS
STORM DRAIN
STA. 10+00.00 TO STA. 17+68.00

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

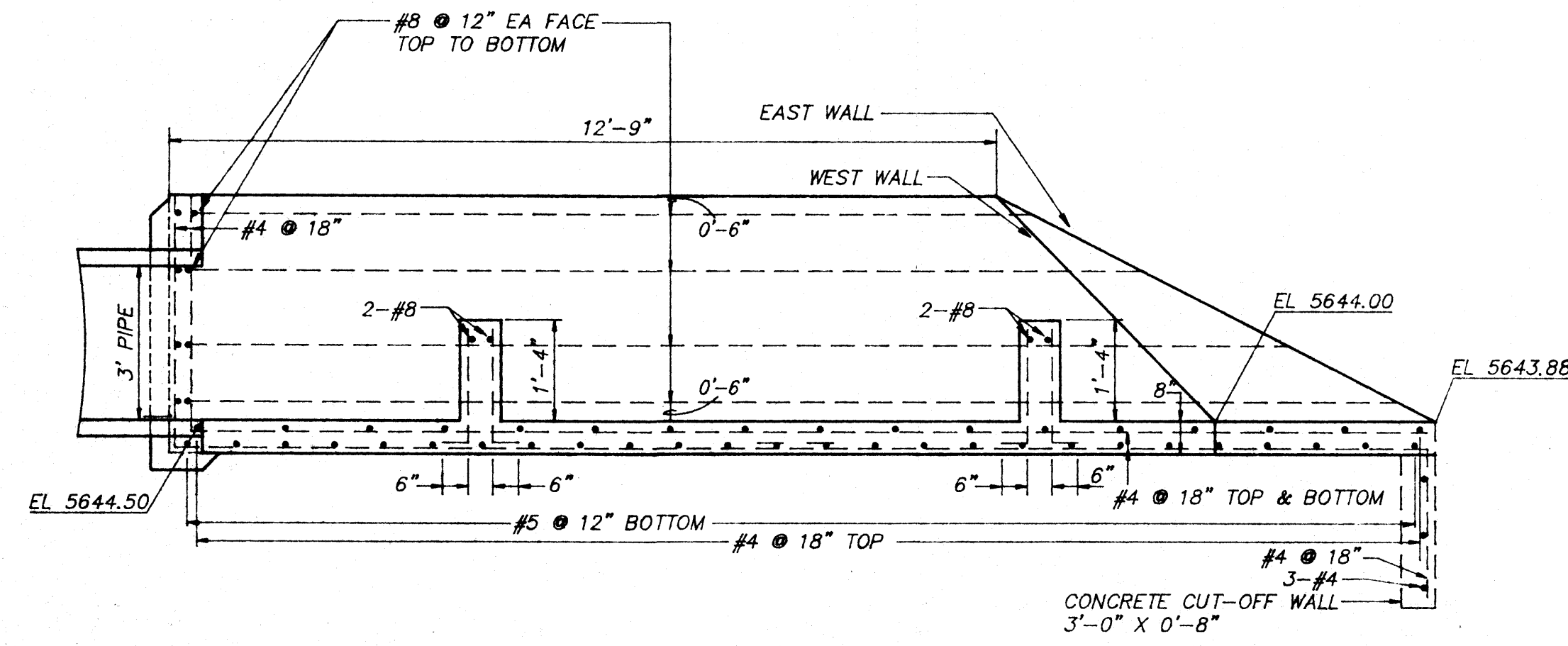
PROJECT NO.	MAP NO.	SHEET OF
	123	5 9

[illegible]

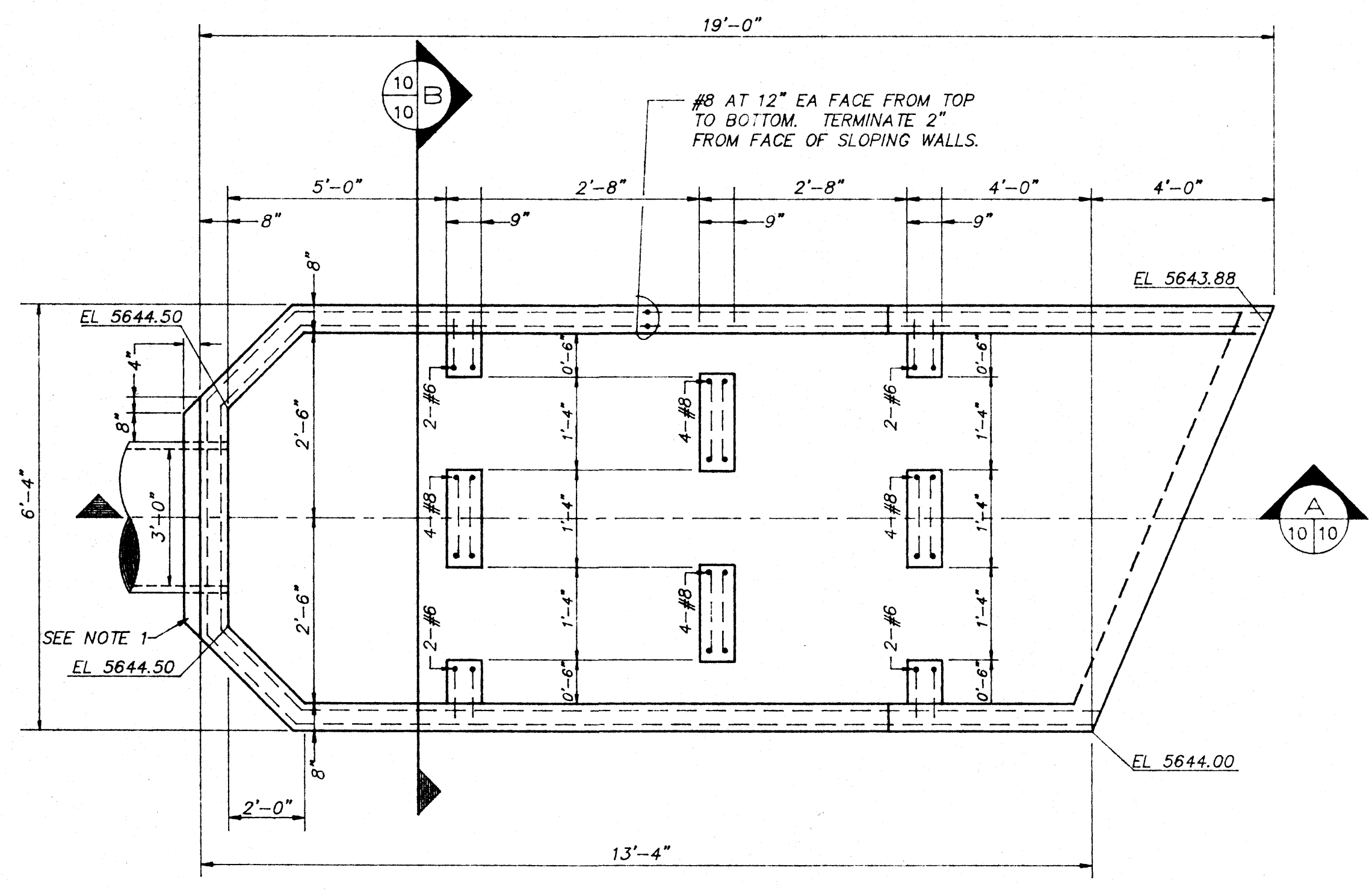
MAP NO.	SHEET	OF
123	9	9



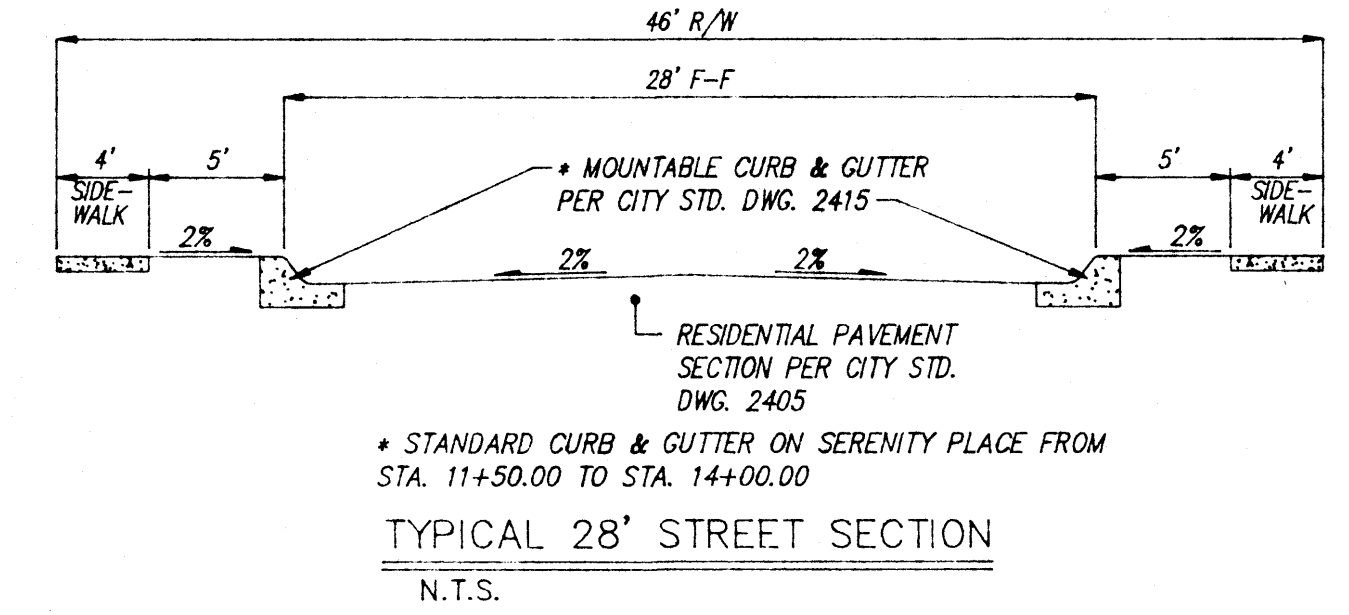
SECTION B
10/10



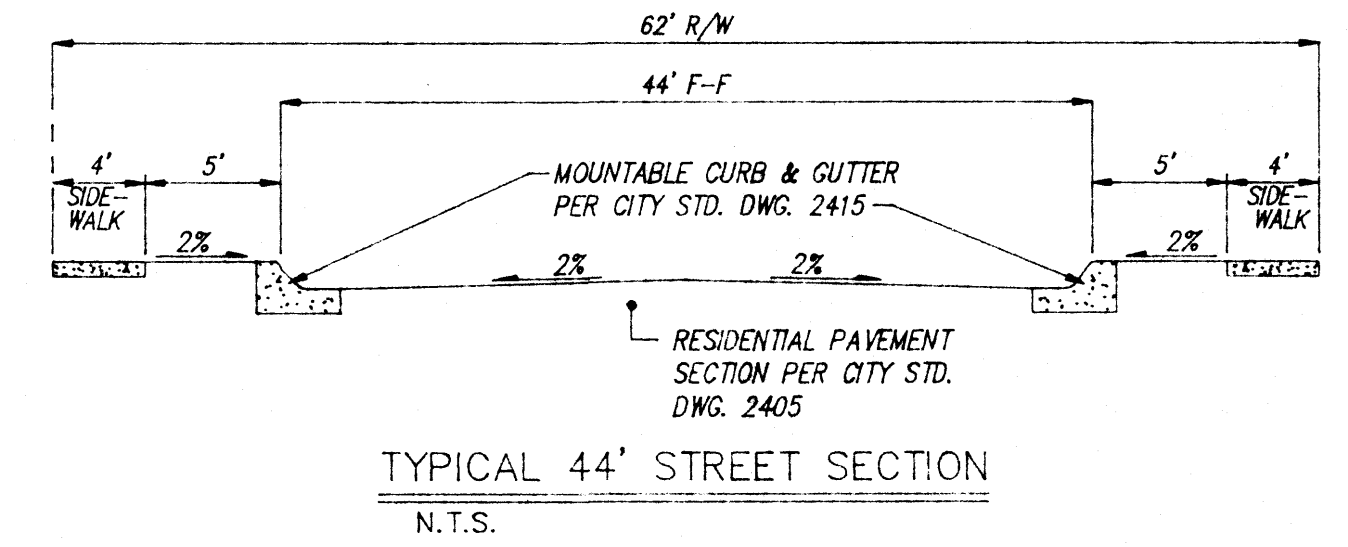
SECTION A ON CL
10/10



PLAN VIEW
STORM DRAIN OUTLET DETAILS
N.T.S.



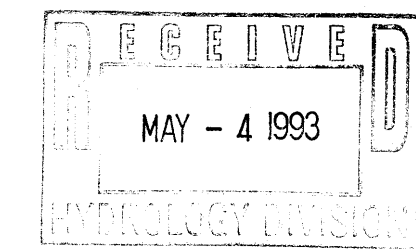
* STANDARD CURB & GUTTER ON SERENITY PLACE FROM STA. 11+50.00 TO STA. 14+00.00
TYPICAL 28' STREET SECTION
N.T.S.



TYPICAL 44' STREET SECTION
N.T.S.

NOTES:
1. PLACE GROUT SEAL AROUND PENETRATION.

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	THE STATION MARK IS A STANDARD AS BRASS TABLET STAMPED	DATE	FIELD NOTES	BY		NO.
WORK ORDER NO.	DATE	"TOM-1978", SET IN TOP OF A CONCRETE POST PROJECTING 2	DATE				DATE
INSPECTOR'S ACCEPTANCE BY	DATE	INCHES ABOVE GROUND.	DATE				DATE
VERIFICATION BY	DATE	X=427.96415, Y=1478.91587, Z=5711.67	DATE				DATE
DRAWINGS CORRECTED BY	DATE						
MICRO-FILM INFORMATION							
RECORDED BY	DATE						
NO.							



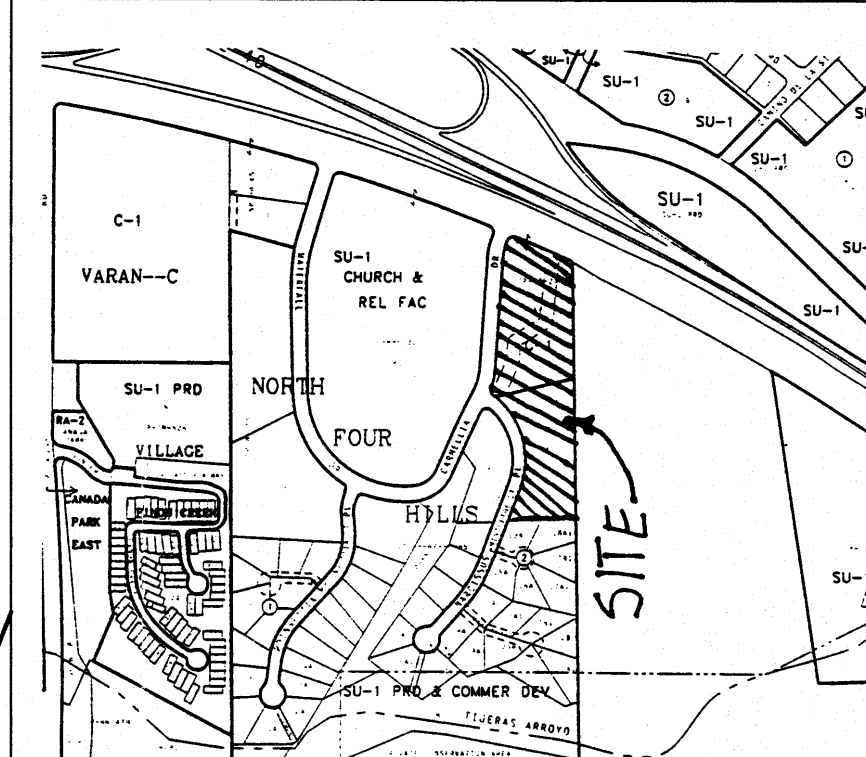
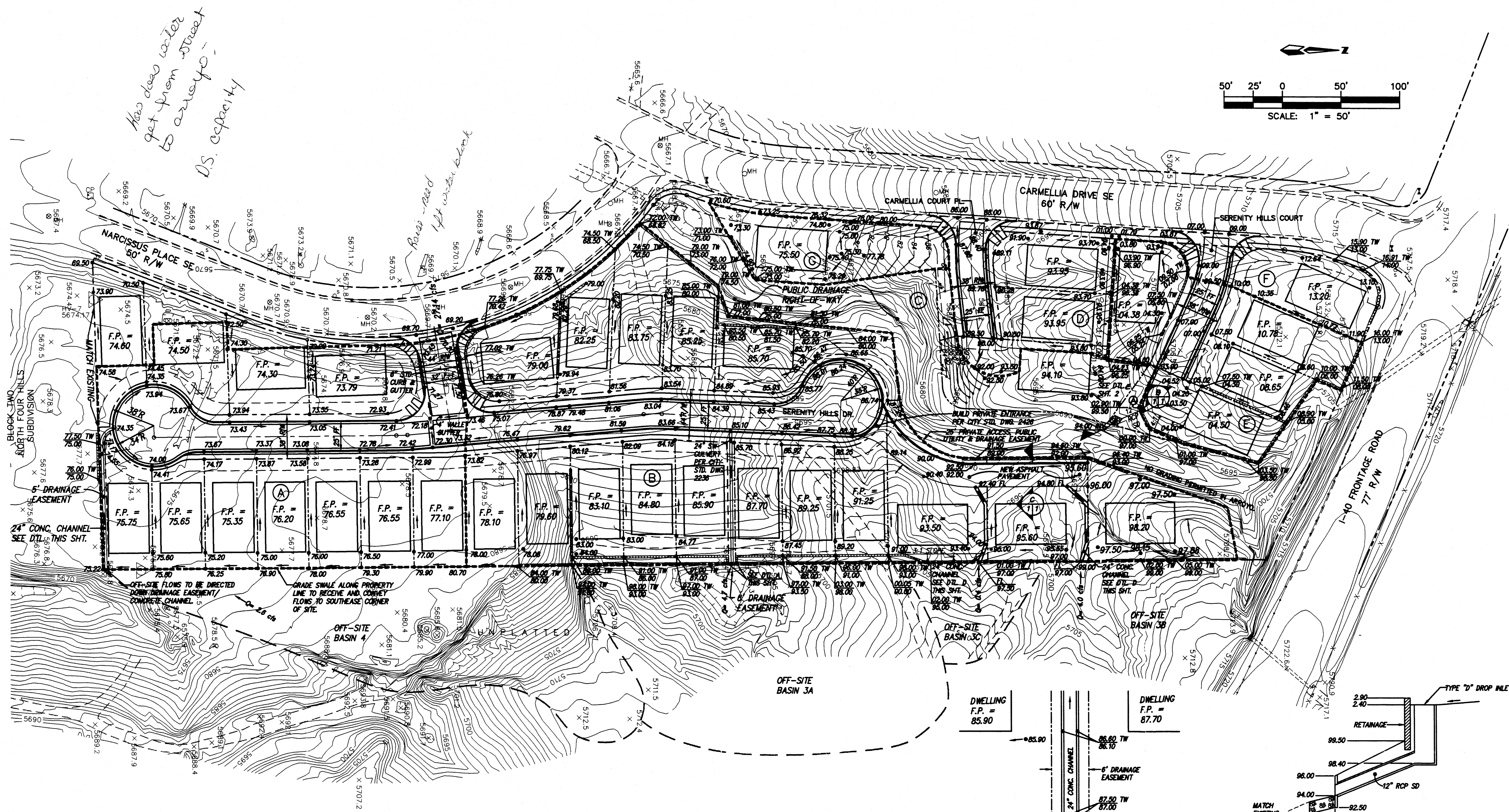
dmg D. MARK GOODWIN & ASSOCIATES, P.A.
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ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: SERENITY AT FOUR HILLS
STORM DRAIN
MISCELLANEOUS DETAILS

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

PROJECT NO.	MAP NO.	SHEET OF
	L23	10 10



VICINITY MAP ZONE MAP L-23

NOTES

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- EARTHWORK CONTRACTOR IS TO COORDINATE WITH THE RETAINING WALL CONTRACTOR TO ENSURE ENOUGH MATERIAL IS STOCKPILED FOR WALL BACK-FILL.

KEYED NOTE

- ④ TYPE SINGLE "D" DROP INLET. SEE DETAIL THIS SHEET.
INLET = 98.40
GRATE = 02.40

LEGAL DESCRIPTION

TRACTS A-1 & K
NORTH FOUR HILLS SUBDIVISION

LEGEND

- 5629- EXISTING CONTOUR
- == EXISTING CURB AND GUTTER
- EXIST. SANITARY SEWER MANHOLE
- EXISTING TELEPHONE BOX
- x 5695.4 EXISTING SPOT ELEVATION
- EXISTING WATER METER
- EXISTING WATER MANHOLE
- EXISTING WATER VALVE
- - - EXISTING EASEMENTS
- x x EXISTING FENCE
- EXISTING TREE
- - - PROPERTY LINE
- - - NEW EASEMENT LINE
- ⓑ PROPOSED RETAINING WALL
- 64.63 PROPOSED ON-SITE DRAINAGE BASIN
- PROPOSED SPOT ELEVATION
- F.P. FINISHED PAD
- NEW MOUNTABLE CURB AND GUTTER

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

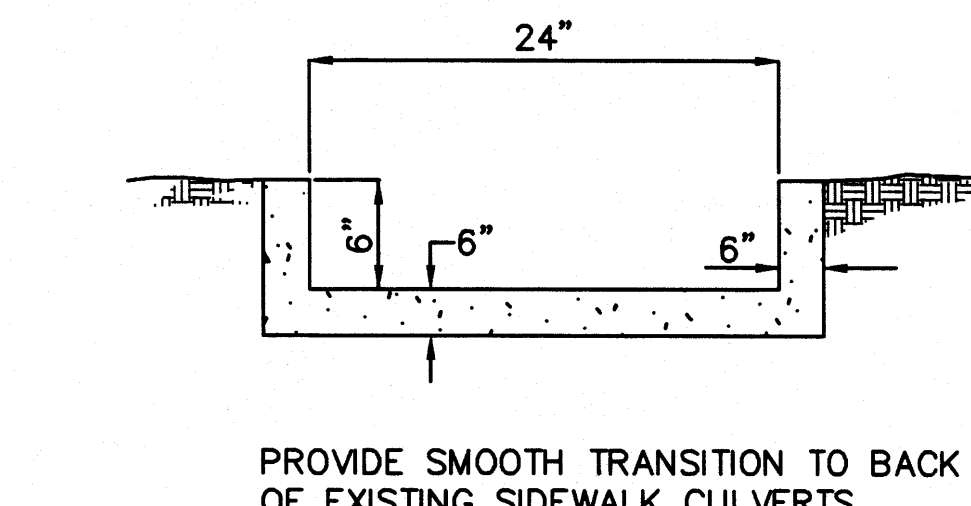
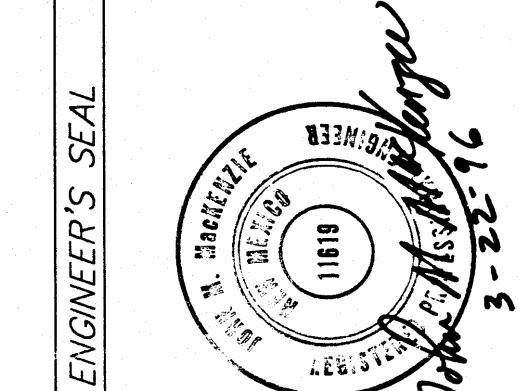
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:
**SERENITY HILLS SUBDIVISION
GRADING AND DRAINAGE PLAN**

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	DATE	MO./DAY/YR.	MO./DAY/YR.

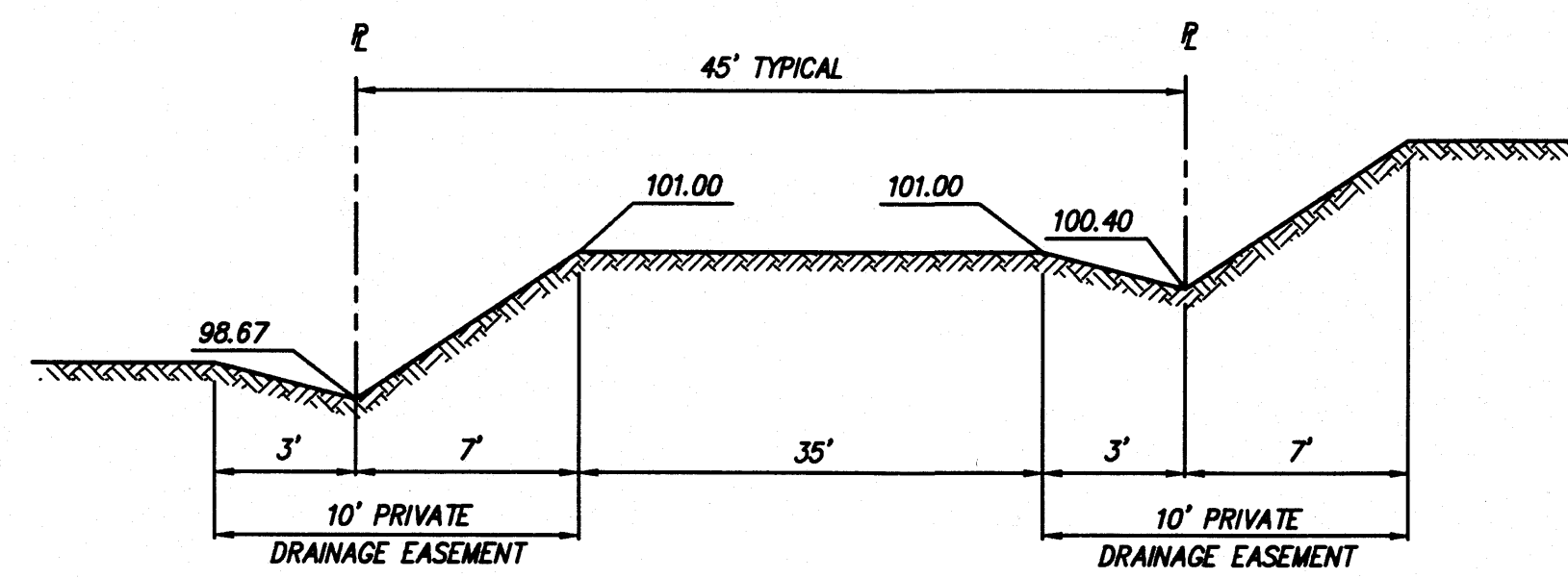
CITY PROJECT NO. **5004SERE\5004GD50\03-27-96** SHEET **1** OF **2**

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGNED BY		DRAWN BY		CHECKED BY	
CONTRACTOR	DATE	WORK	DATE	NO.	BY	NO.	DATE	NO.	DATE	DATE	DATE	DATE	DATE	DATE	DATE
THE STATION MARK IS A STANDARD ACS BRASS TABLET STAMPED "TOM-1978". SET IN TOP OF A CONCRETE POST PROJECTING 2-IN. ABOVE GROUND. THE STATION IS LOCATED 9.4 MILES SOUTHEAST OF DOWNTOWN ALBUQUERQUE, SOUTHEAST OF THE INTERSECTION OF THE SOUTH FRONTAGE ROAD OF I-40 AND FOUR HILLS ROAD, S.E. X = 427964.15, Y = 1478015.87, Z = 5711.67										JMM	2/96	DMG	2/96		



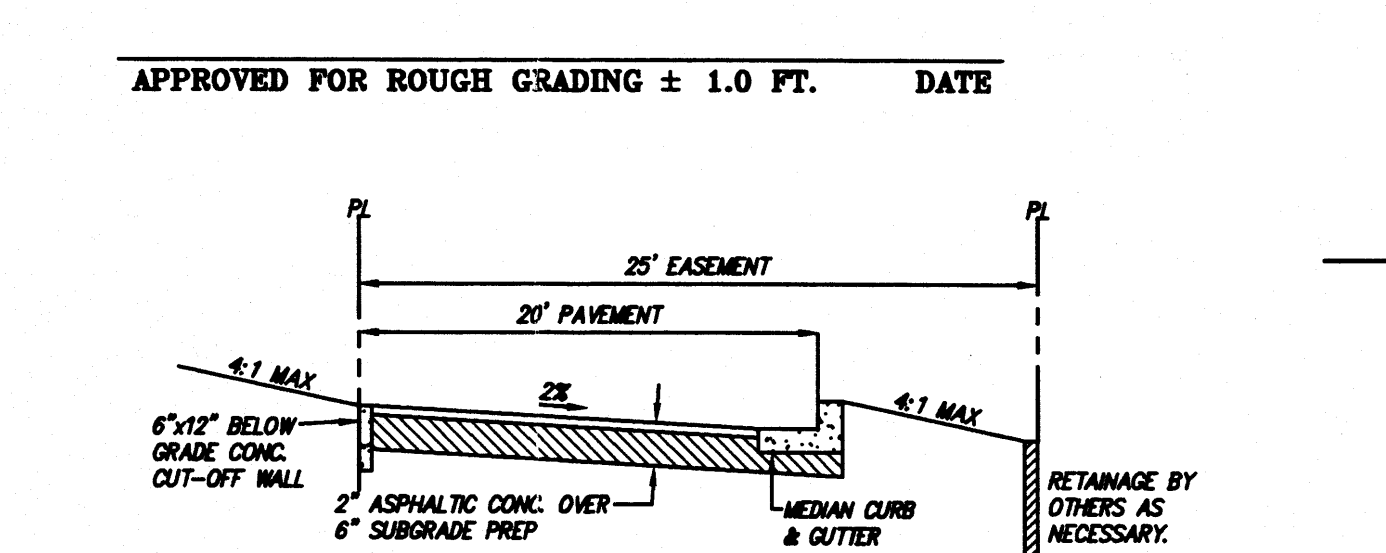
CONCRETE CHANNEL DETAIL

N.T.S.



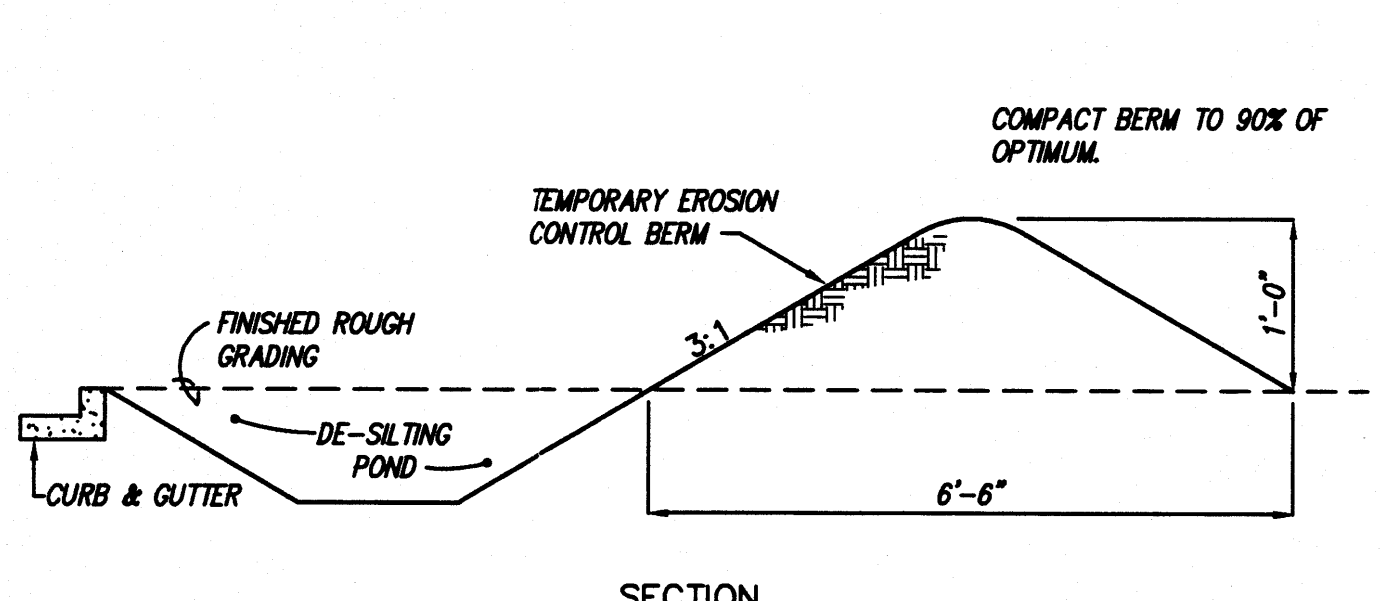
TYPICAL LOT LAYOUT

N.T.S.



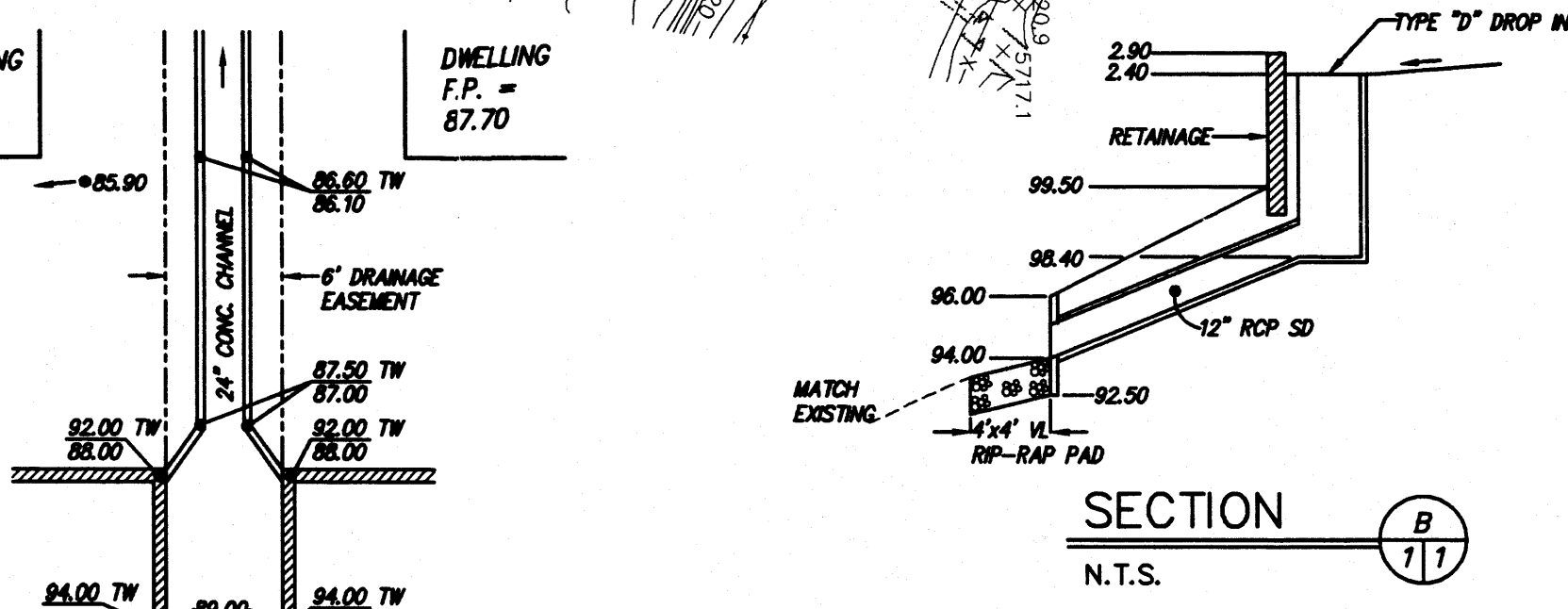
SECTION

N.T.S.



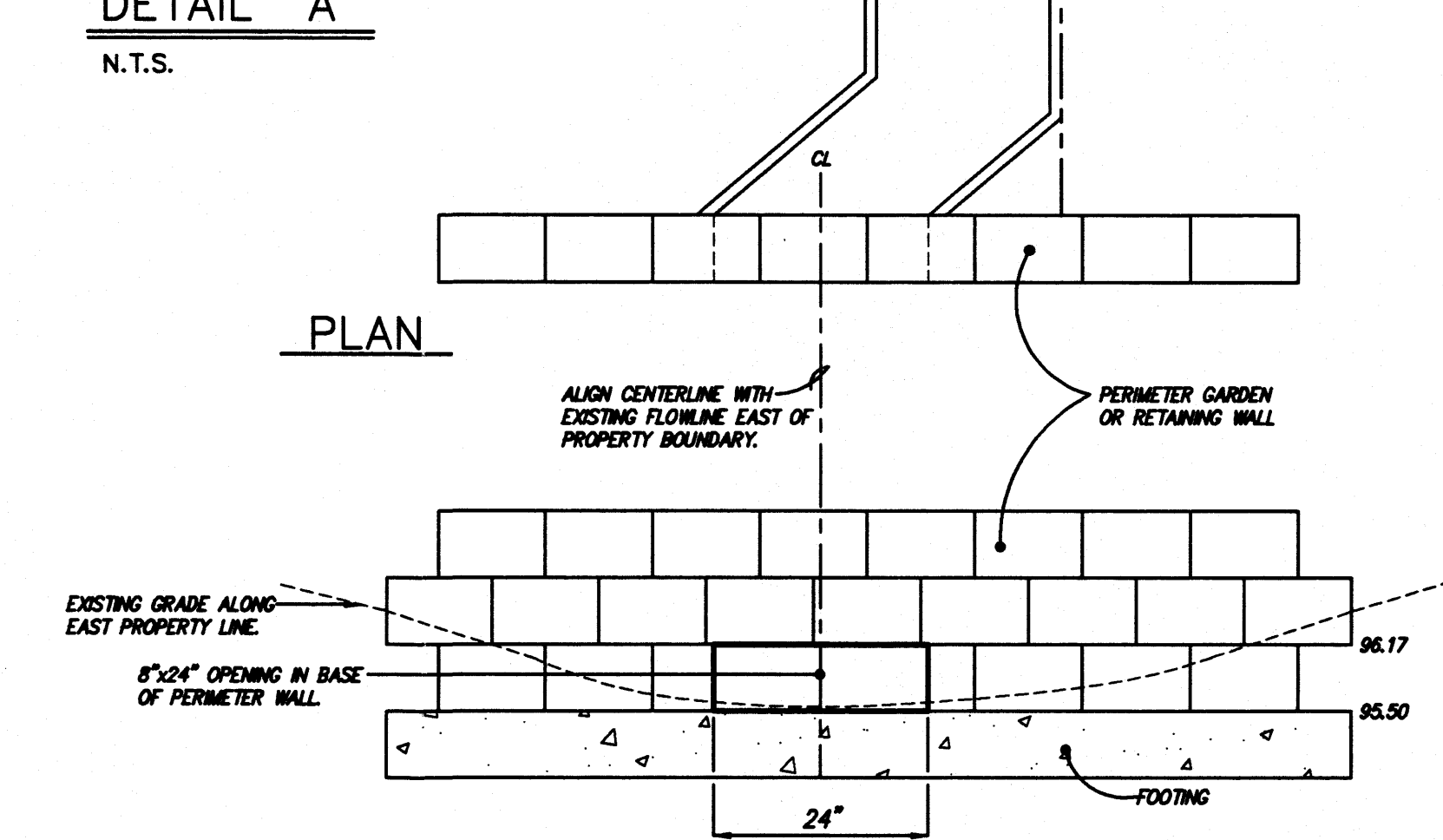
EROSION CONTROL BERM DETAIL

N.T.S.



DETAIL "A"

N.T.S.



SECTION

N.T.S.

5004SERE\5004GD50\03-27-96

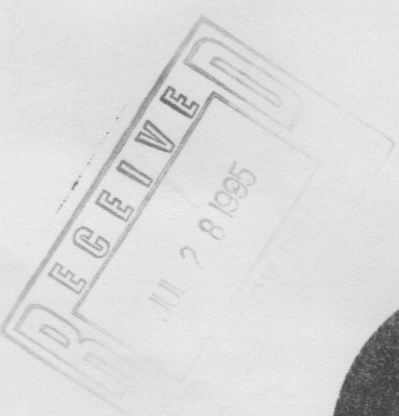
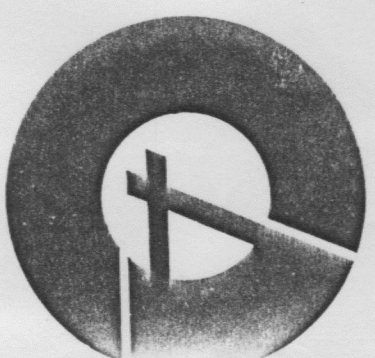
CONTOUR INTERVAL: 2

1000 FOOT GRID BASED ON NEW MEXICO STATE
COORDINATE SYSTEM, CENTRAL ZONE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
**A PORTION OF
METROPOLITAN ALBUQUERQUE**

ALBUQUERQUE
BERNALILLO COUNTY
NEW MEXICO

- Analytically Derived Control
- + Section Corner
- Projected Section Corner
- Section Line
- Projected Section Line
- Township and Range
- Projected Township or
- Multiple Boundary Line
- Grant Line
- Index Contour
- Intermediate Contour
- Depression Contour
- Spot Elevation



N 1473 000

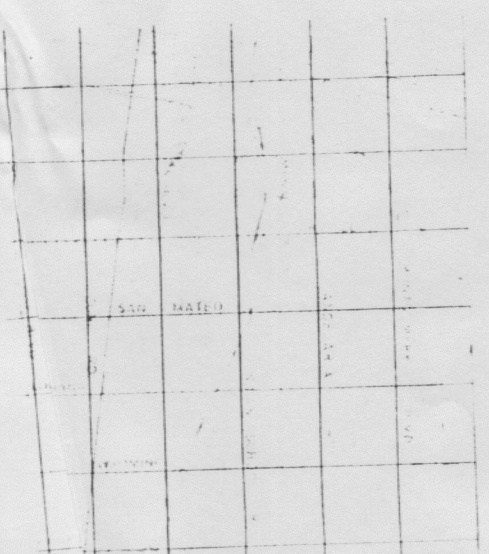
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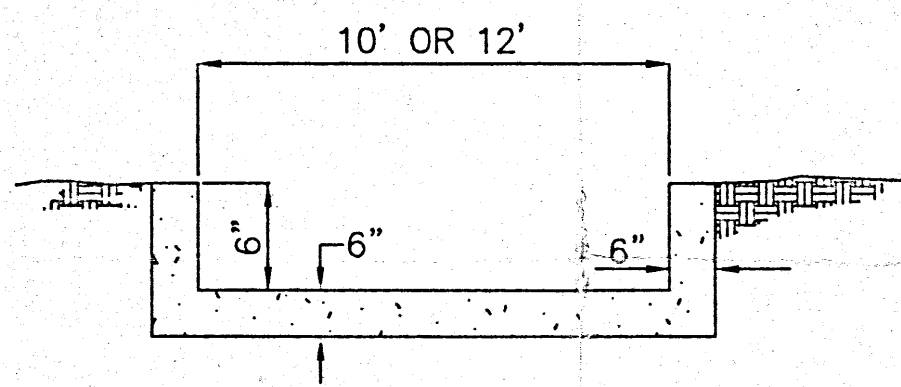
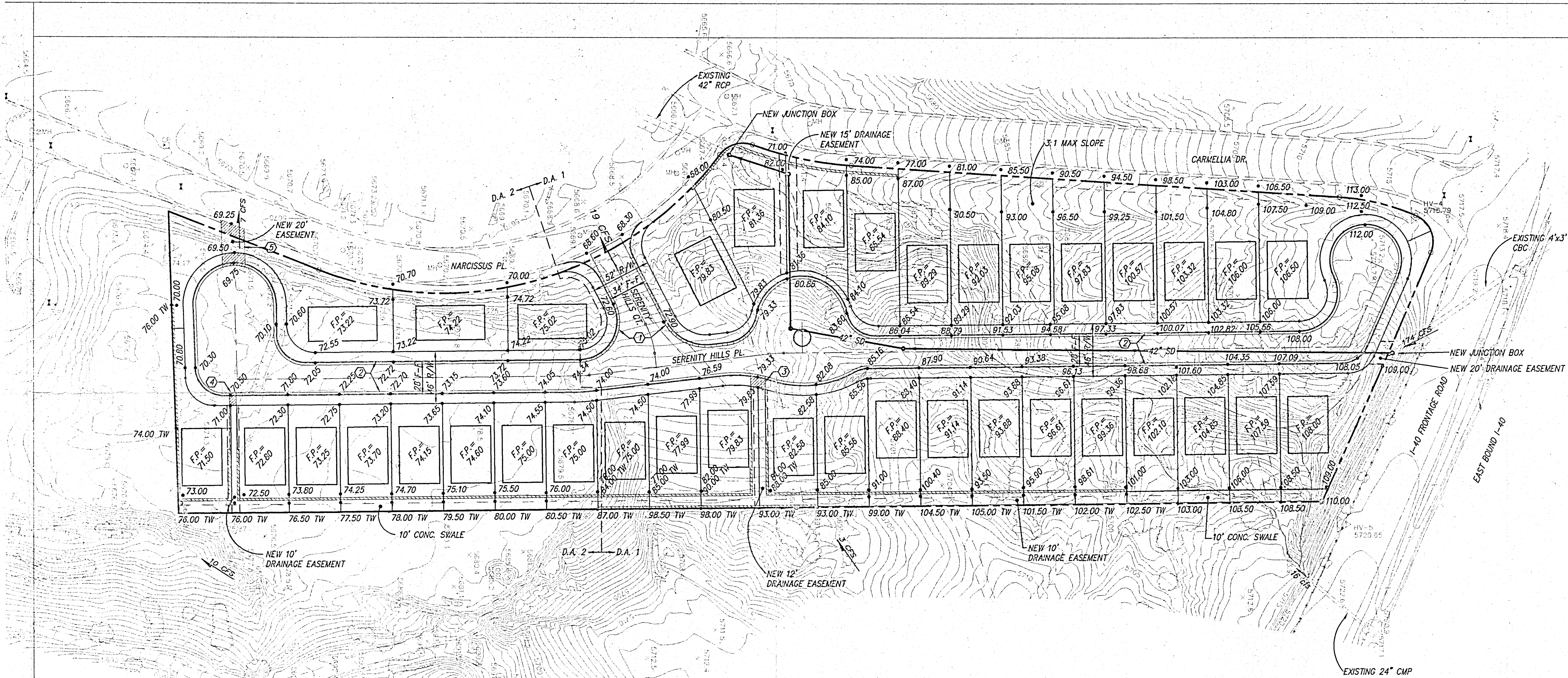
N 1491 000

N 1482 000

Δ 00° 08' 10.8"

11





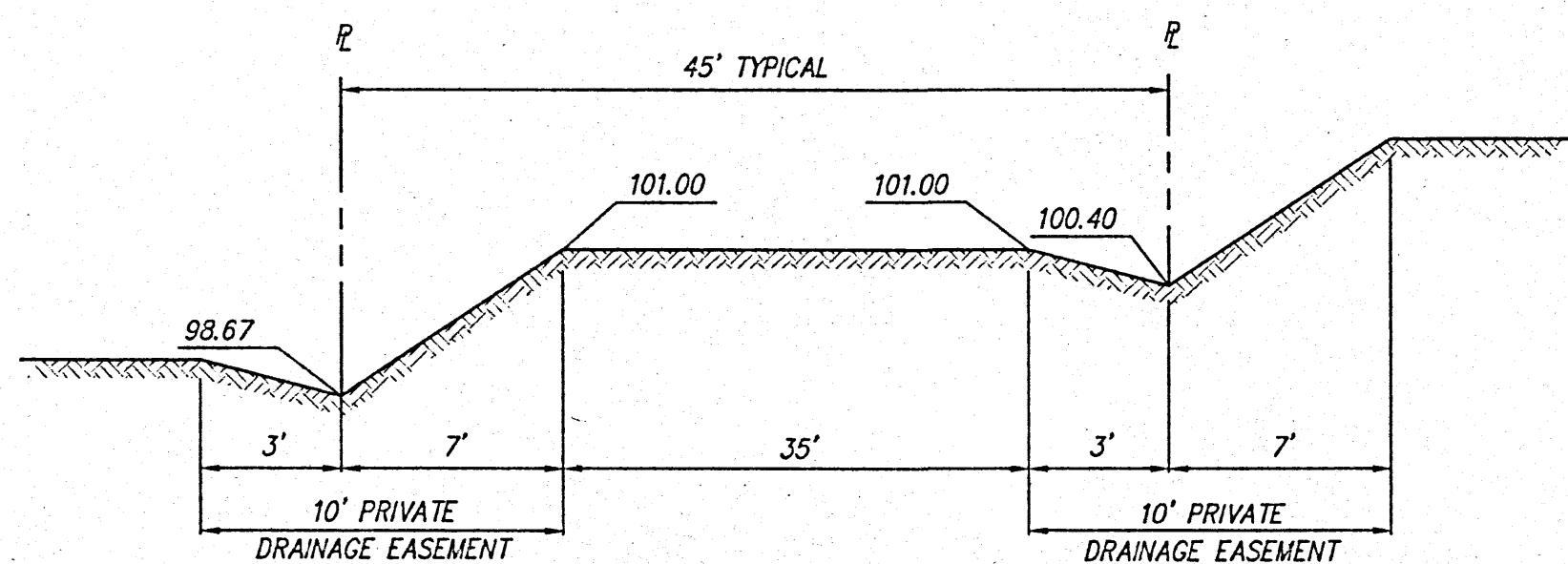
PROVIDE SMOOTH TRANSITION TO BACK OF EXISTING SIDEWALK CULVERTS.

CONCRETE SWALE DETAIL

N.T.S.

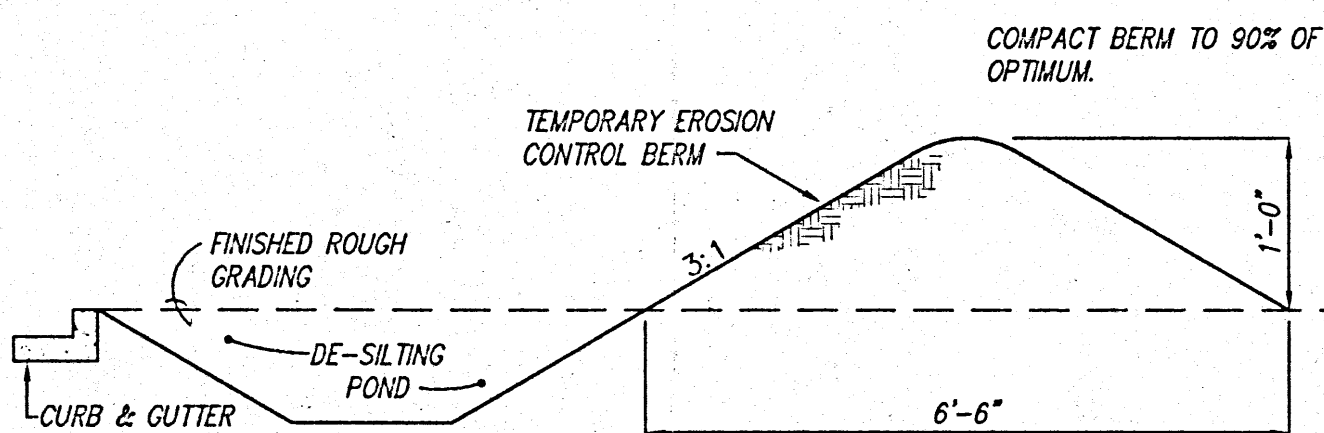
STRUCTURE KEY

- ① 8" STANDARD CURB & GUTTER
- ② MOUNTABLE CURB & GUTTER
- ③ 6-24" SIDEWALK CULVERTS
- ④ 5-24" SIDEWALK CULVERTS
- ⑤ 10-24" SIDEWALK CULVERTS



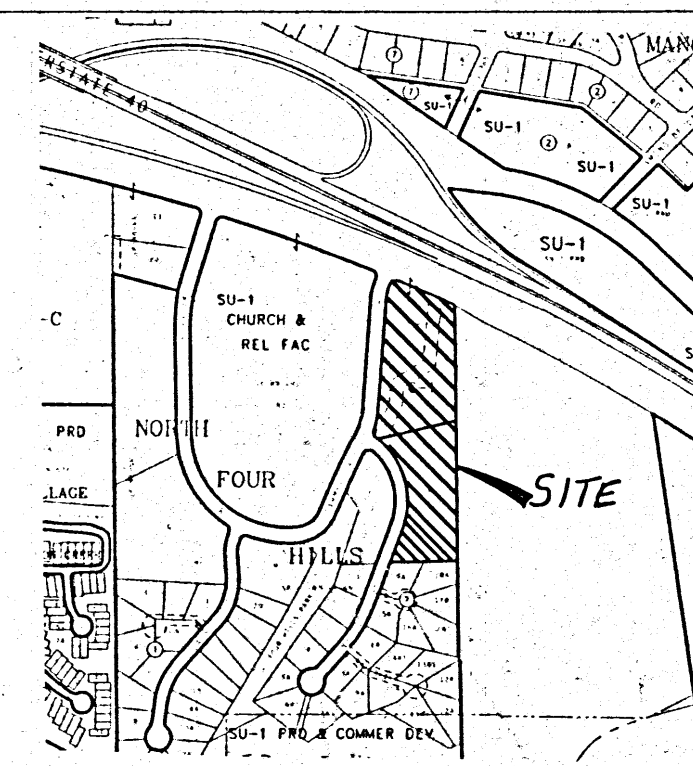
TYPICAL LOT LAYOUT

N.T.S.



EROSION CONTROL BERM DETAIL

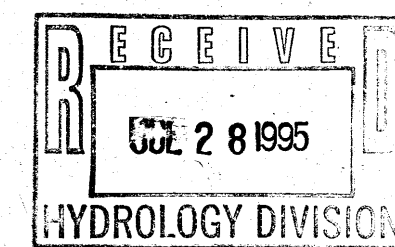
N.T.S.



VICINITY MAP

NOTES

- CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.
- CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION SHALL GOVERN ALL WORK.
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LEGAL DESCRIPTION

TRACTS A-1 & K
NORTH FOUR HILLS SUBDIVISION

LEGEND

- 64.63 — EXISTING CONTOUR
- — — EXISTING CURB AND GUTTER
- EXIST. SANITARY SEWER MANHOLE
- EXISTING TELEPHONE BOX
- 64.63 EXISTING SPOT ELEVATION
- EXISTING WATER METER
- EXISTING WATER MANHOLE
- EXISTING WATER VALVE
- — — EXISTING EASEMENTS
- — — EXISTING FENCE
- EXISTING TREE
- — — PROPERTY LINE
- — — PROPOSED RETAINING WALL
- 64.63 PROPOSED SPOT ELEVATION
- F.P. FINISHED PAD

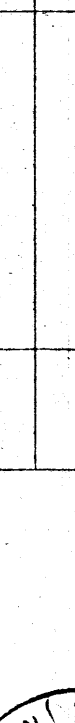
dmg D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS & SURVEYORS
P.O. BOX 80606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200

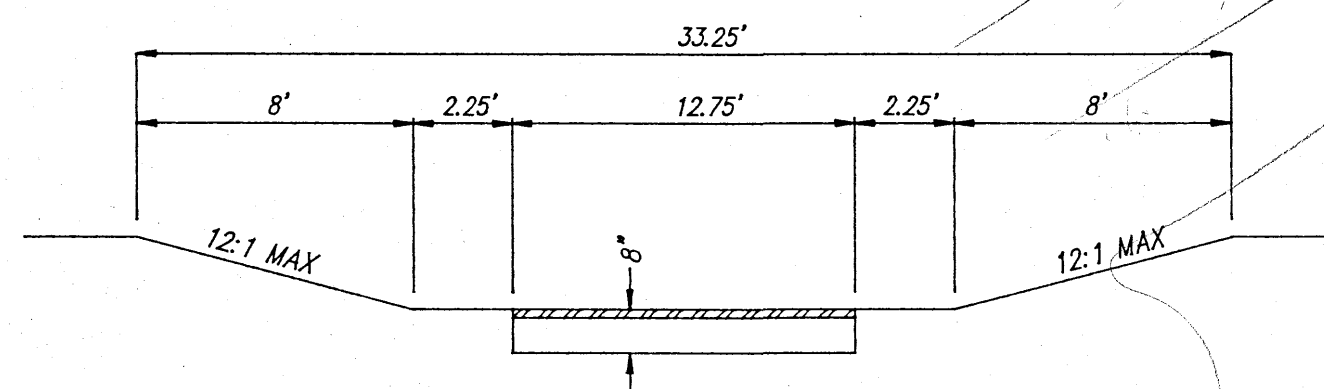
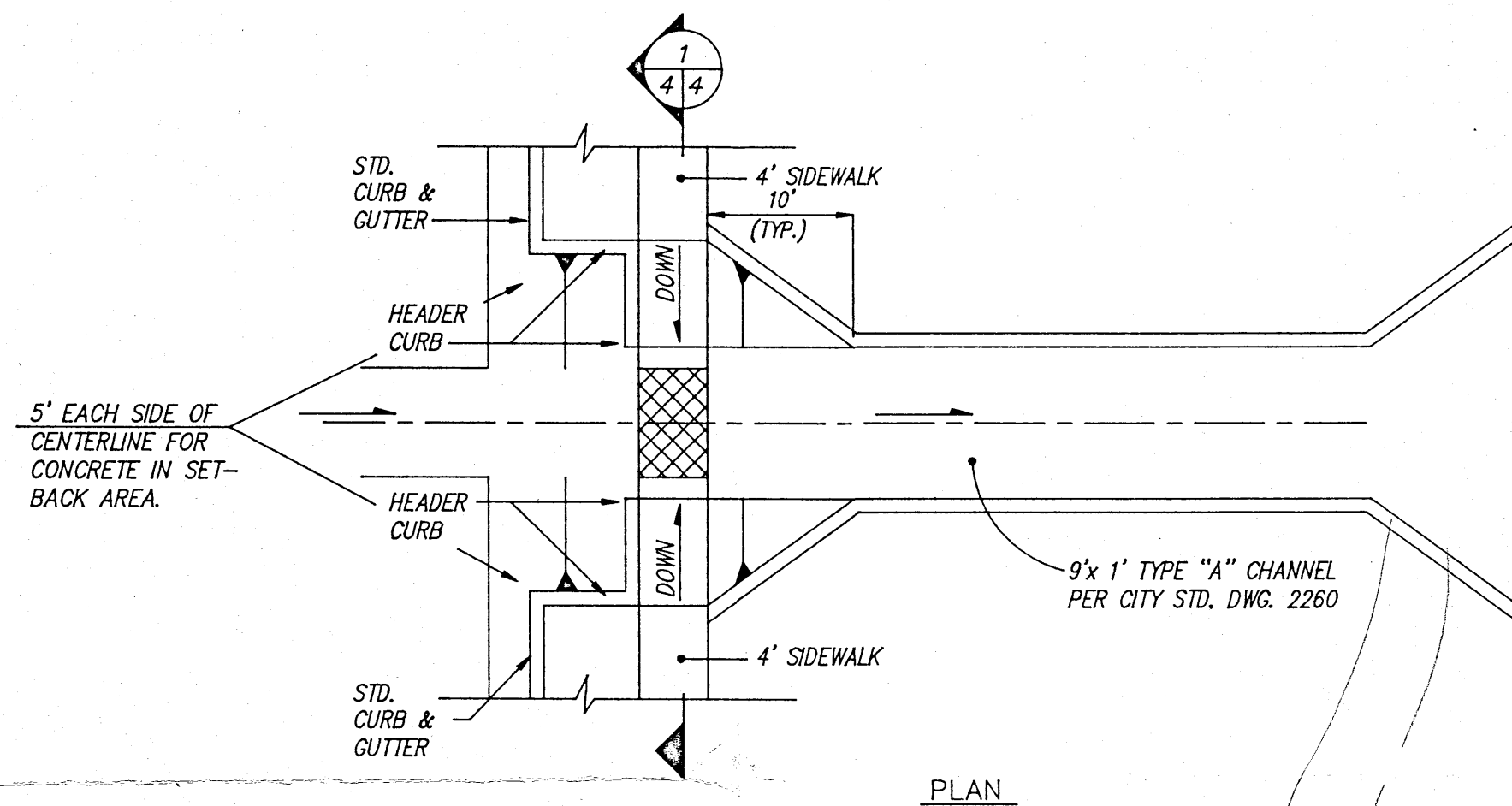
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: SERENITY HILLS SUBDIVISION CONCEPTUAL GRADING AND DRAINAGE PLAN

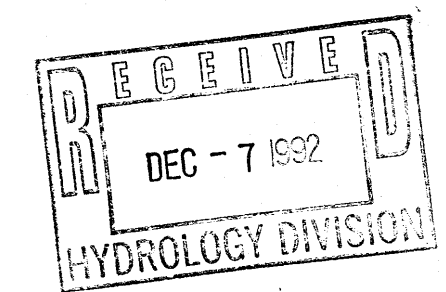
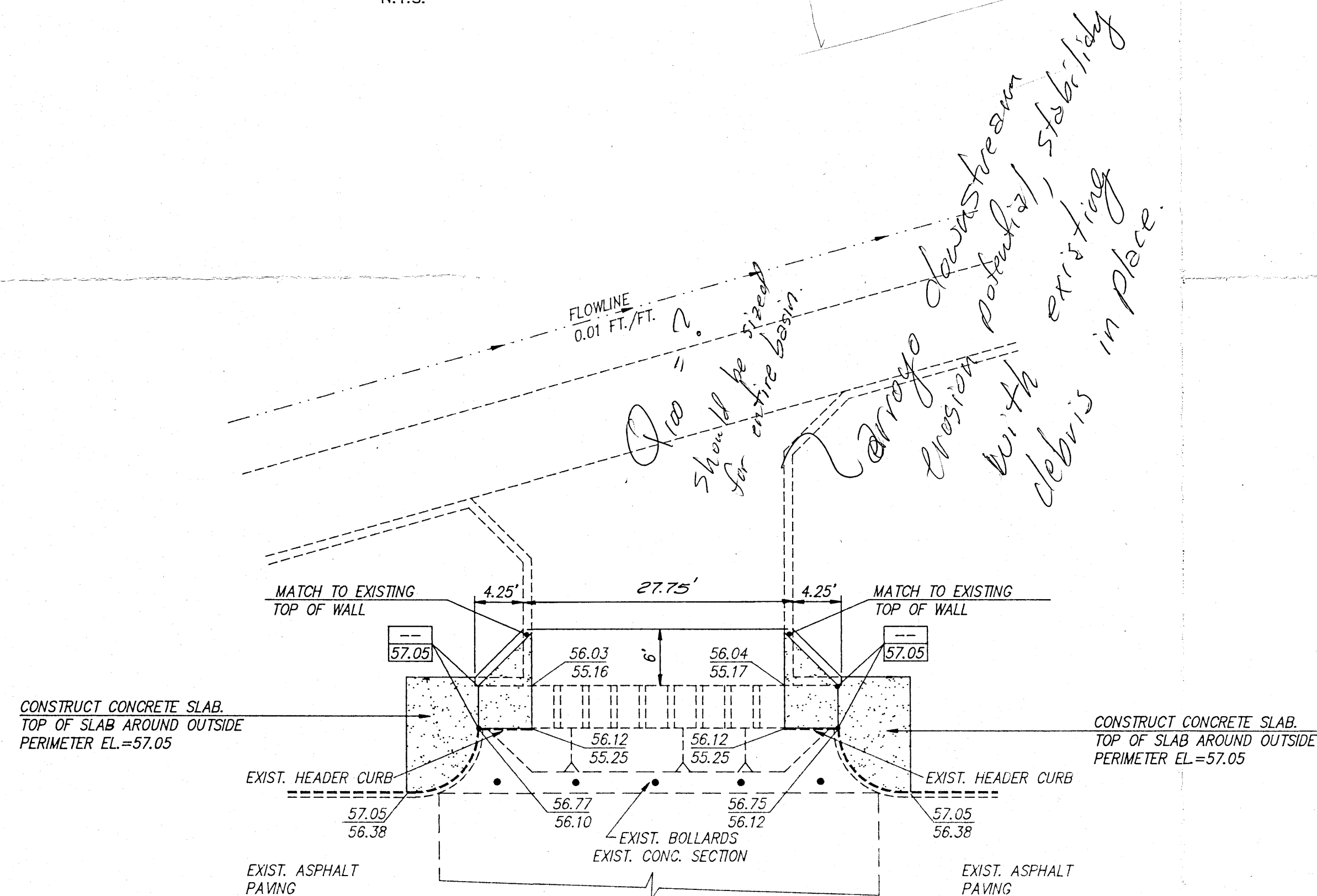
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

PROJECT NO.	MAP NO.	SHEET	OF
	L23	2	5

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES		THE STATION MARK IS A STANDARD ACS BRASS TABLET STAMPED "701-1978", SET IN TOP OF A CONCRETE POST PROJECTING 2-IN. ABOVE GROUND. THE STATION IS LOCATED 9.4 MILES SOUTHEAST OF DORRITON, LEBANON/TROUENQUE, SOUTHEAST OF THE INTERSECTION OF THE SOUTH FRONTAGE ROAD OF I-40 AND FOUR HILLS ROAD, S.E. X = 427864.15, Y = 1478915.87, Z = 5711.67		CONTRACTOR	
		NO.	DATE	STATION MARK IS A STANDARD ACS BRASS TABLET STAMPED "701-1978", SET IN TOP OF A CONCRETE POST PROJECTING 2-IN. ABOVE GROUND. THE STATION IS LOCATED 9.4 MILES SOUTHEAST OF DORRITON, LEBANON/TROUENQUE, SOUTHEAST OF THE INTERSECTION OF THE SOUTH FRONTAGE ROAD OF I-40 AND FOUR HILLS ROAD, S.E. X = 427864.15, Y = 1478915.87, Z = 5711.67	WORK STAGED BY		
				DATE	INSPECTOR'S FIELD LABEL BY		
				DATE	DATE		
NO.	DATE	REMARKS	MICRO-FILM INFORMATION				
		REVISIONS	CORRECTED BY				
		DESIGN	NO.				
DESIGNED BY DWG		DATE 7/95	RECORDED BY				
DRAWN BY STAFF		DATE 7/95	DATE				



TYPICAL DRAINAGE CHANNEL
N.T.S.



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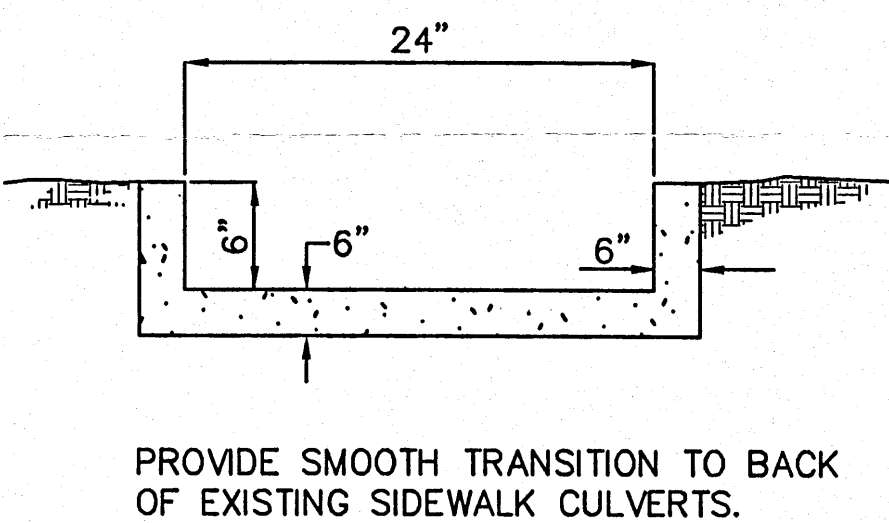
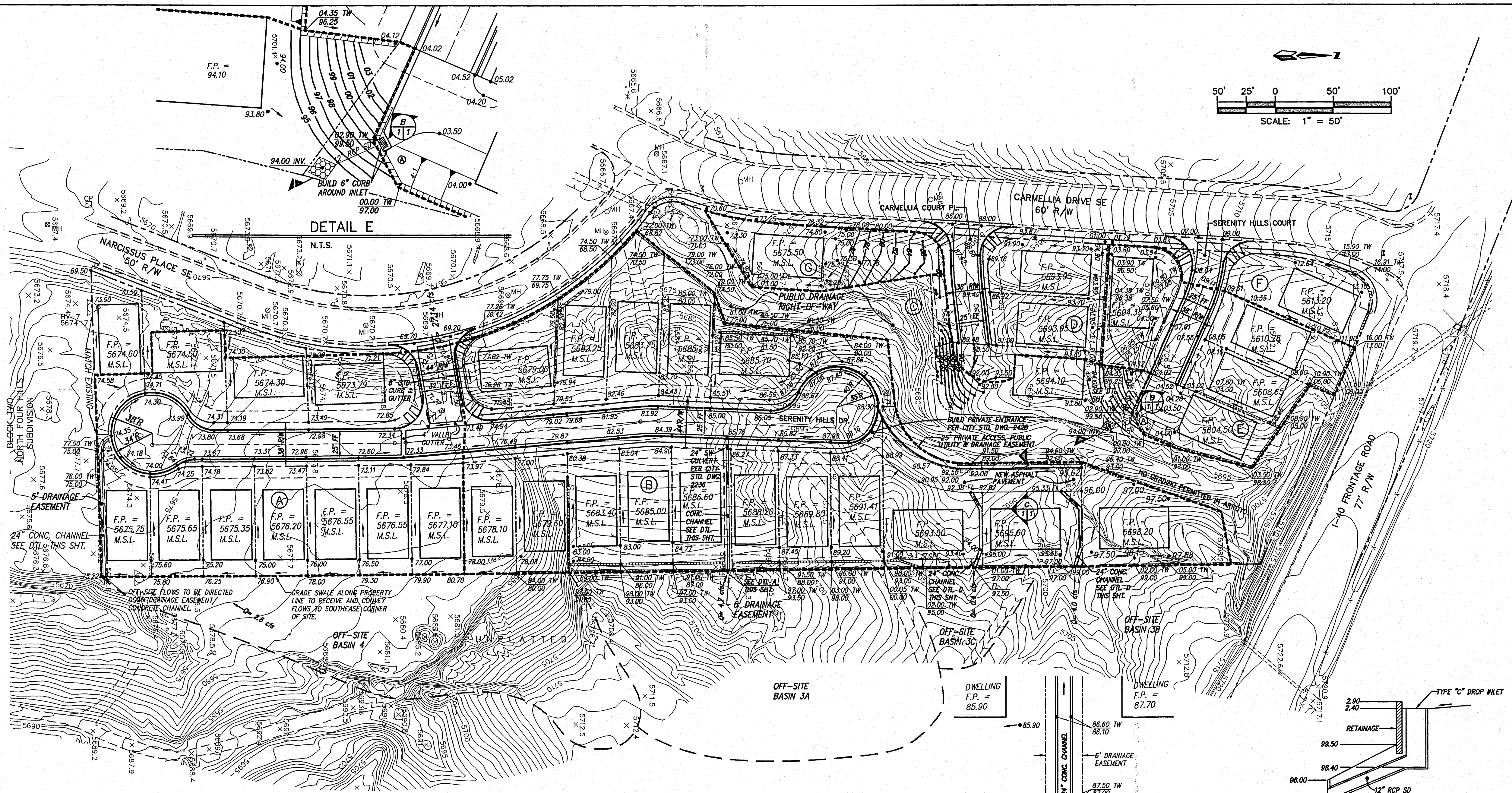
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: NORTH FOUR HILLS SUBDIVISION
UNIT II
MISCELLANEOUS DETAILS

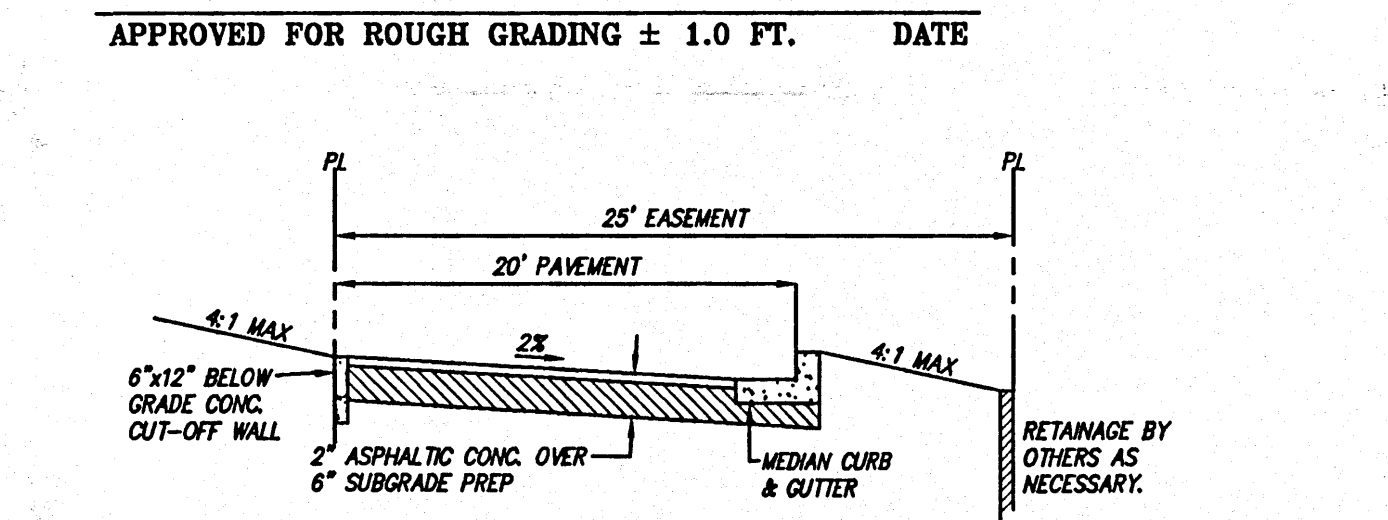
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

PROJECT NO.	MAP NO.	SHEET OF
	L23	4

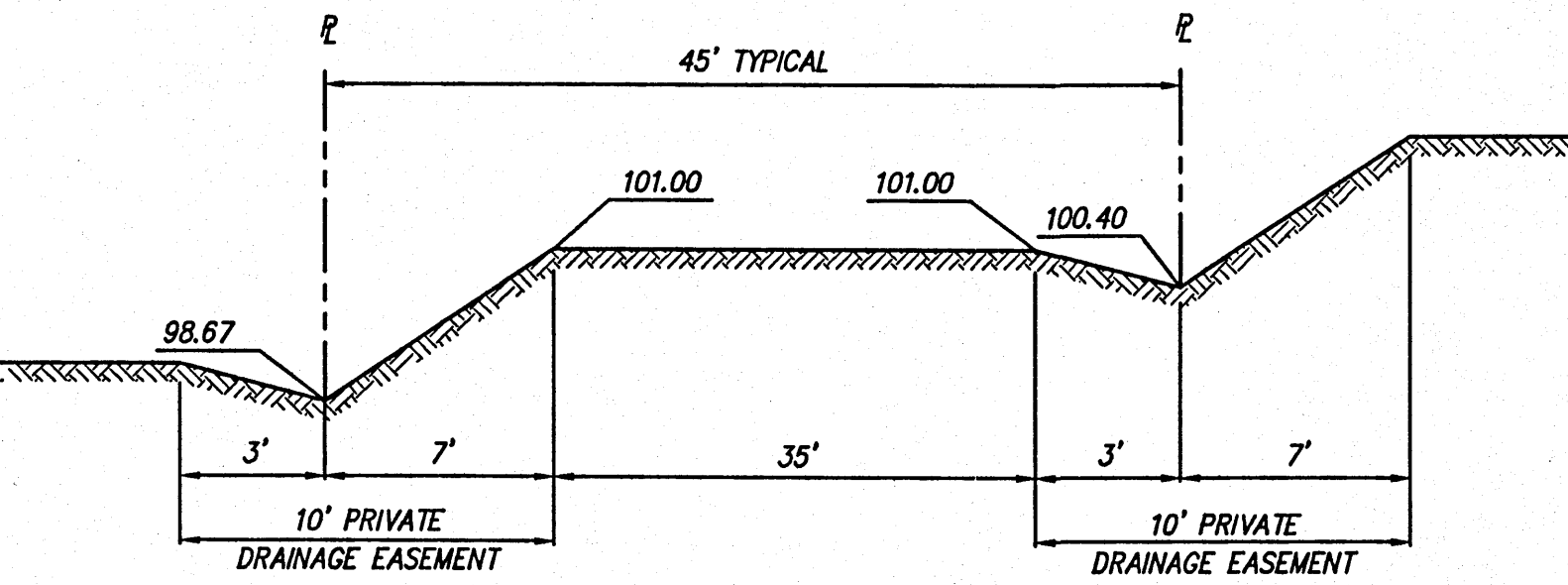
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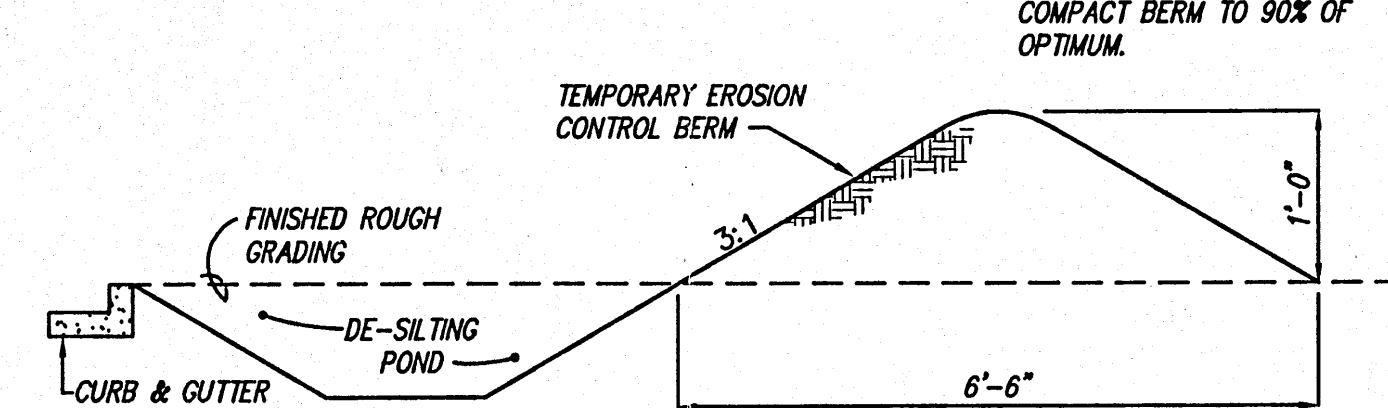
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N.T.S.



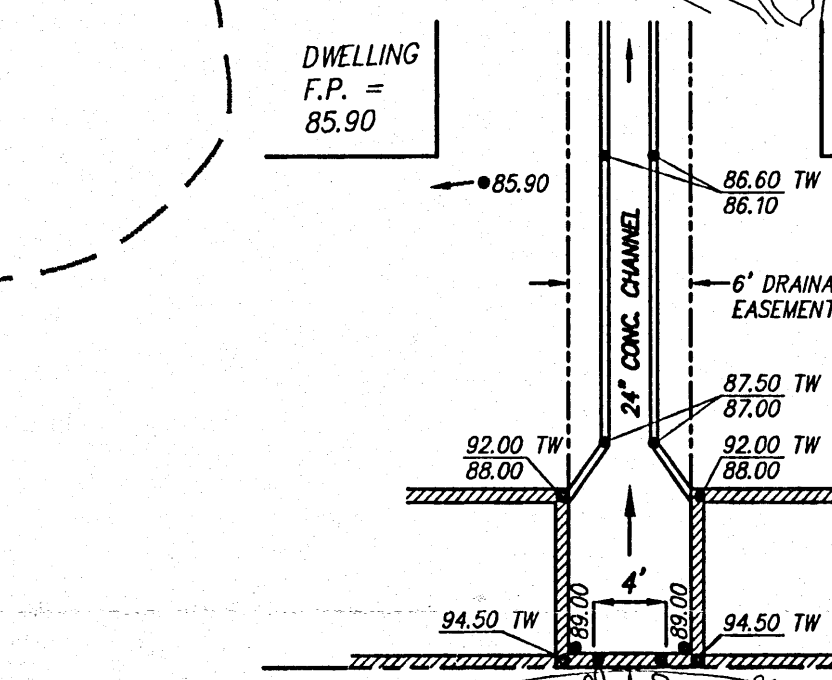
SECTION
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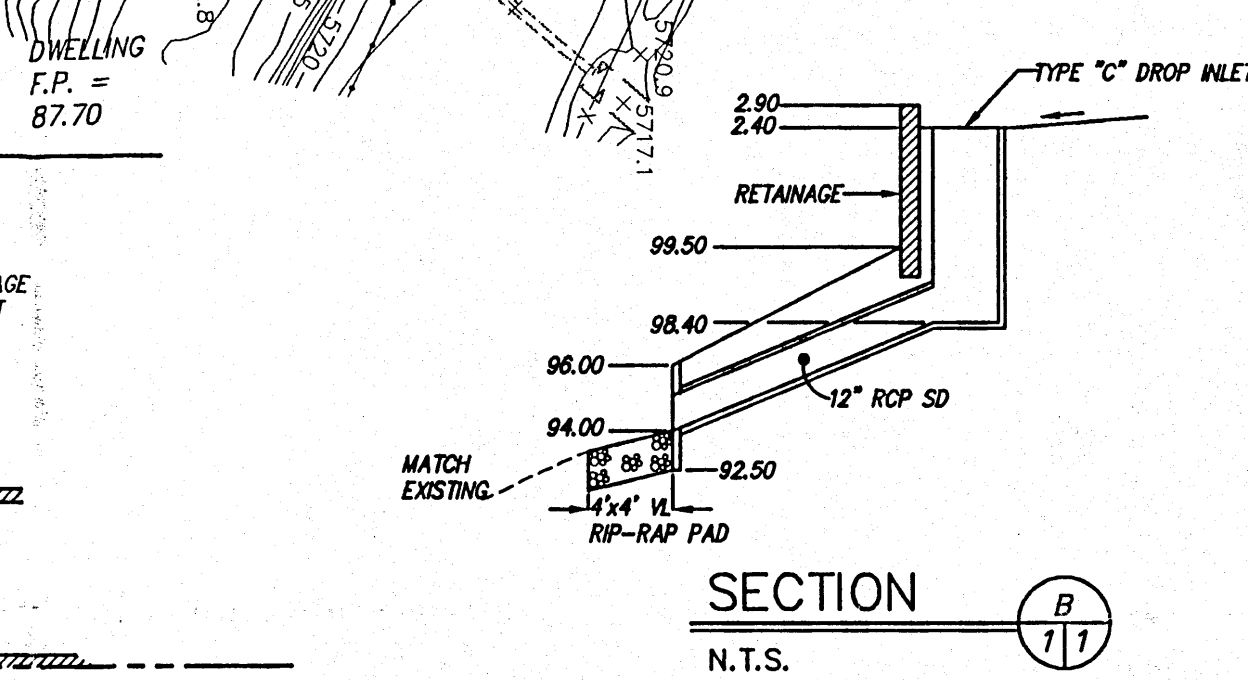
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N.T.S.



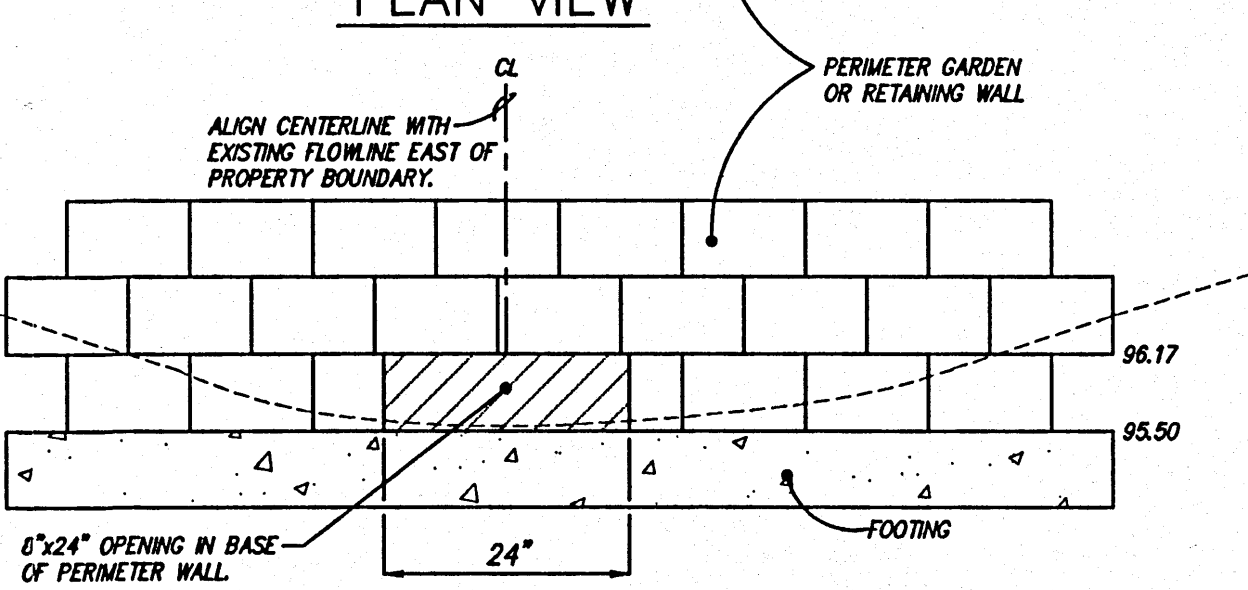
EROSION CONTROL BERM DETAIL
N.T.S.



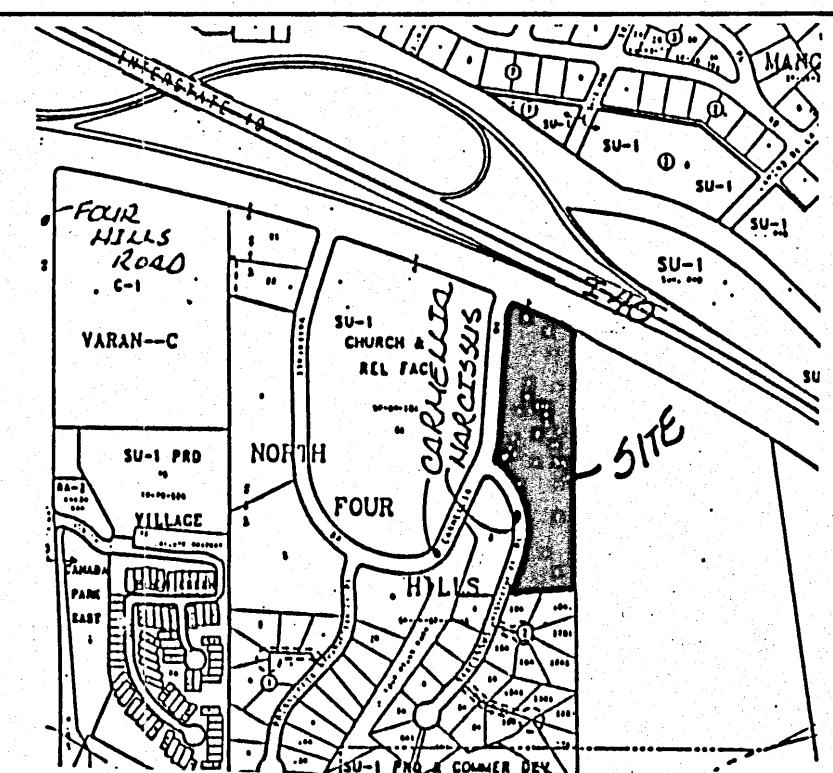
PROFILE VIEW
DETAIL "A"
N.T.S.



SECTION
N.T.S.



PLAN VIEW
N.T.S.



NOTES

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5. EARTHWORK CONTRACTOR IS TO COORDINATE WITH THE RETAINING WALL CONTRACTOR TO ENSURE ENOUGH MATERIAL IS STOCKPILED FOR WALL BACK-FILL.

KEYED NOTE

④ TYPE SINGLE "D" DROP INLET. SEE DETAIL THIS SHEET.
INV. = 98.40
GRATE = 02.40

LEGAL DESCRIPTION

TRACTS A-1 & K
NORTH FOUR HILLS SUBDIVISION

LEGEND

- 5629- EXISTING CONTOUR
- == EXISTING CURB AND GUTTER
- EXIST. SANITARY SEWER MANHOLE
- ⊠ EXISTING TELEPHONE BOX
- × 5695.4 EXISTING SPOT ELEVATION
- ⊠ EXISTING WATER METER
- ⊠ EXISTING WATER MANHOLE
- ⊠ EXISTING WATER VALVE
- ⊠ EXISTING EASEMENTS
- ⊠ EXISTING FENCE
- ⊠ EXISTING TREE
- ⊠ PROPERTY LINE
- ⊠ NEW EASEMENT LINE
- ⊠ PROPOSED RETAINING WALL
- ⊠ PROPOSED ON-SITE DRAINAGE BASIN
- 64.63 PROPOSED SPOT ELEVATION
- F.P. FINISHED PAD
- ⊠ NEW MOUNTABLE CURB AND GUTTER

dmg
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P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 345-2010

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SERENITY HILLS SUBDIVISION
GRADING AND DRAINAGE PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	NO./DAY/YR.	NO./DAY/YR.

CITY PROJECT NO.	544781	ZONE MAP NO.	L23	SHEET	4	OF	10
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AS BUILT INFORMATION	CONTRACTOR	DATE

BENCH MARKS	STATION MARK	DATE

SURVEY INFORMATION	FIELD NOTES	DATE

ENGINEER'S SEAL	NO.	DATE

REMARKS	NO.	DATE

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LAST DESIGN UPDATE	NO.	DATE