DRAINAGE CERTIFICATION

I, Steve J. Salazar, NMPE 16241, OF THE FIRM Wilson & Company, HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 6-18-04. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY Tim Aldrich, NMPS 7719, OF THE FIRM Aldrich Land Survey.
I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 8-10-04 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR Engineers Certification to Hydrology.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

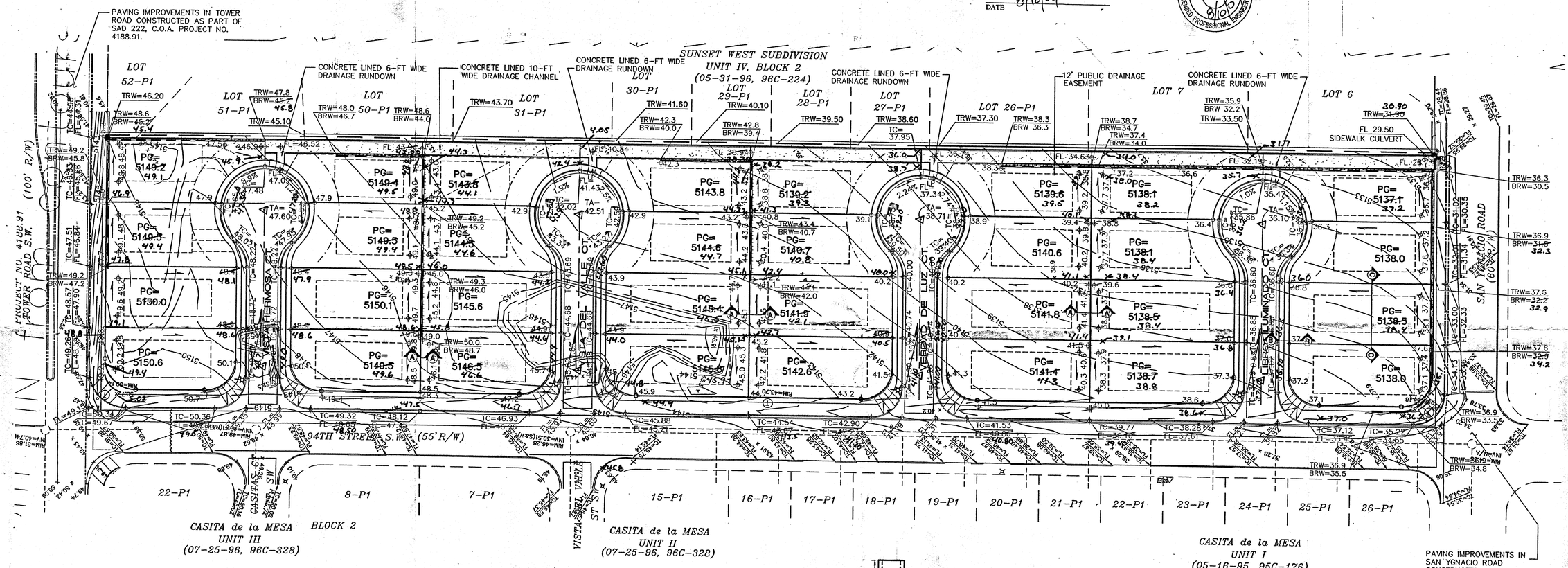
Steve J. Salazar, NMPE 16241

DATE 8/10/04

STEVE J. SALAZAR NEW MEXICO 16241 LICENSED PROFESSIONAL ENGINEER 8/10/04

LEGEND

5150	EXISTING CONTOUR
78.3	PROPOSED SPOT ELEVATION
	FLOW ARROW
PG=5151.2	PAD GRADE ELEVATION
TC=81.95 / FL=81.45	TOP OF CURB / FLOWLINE ELEVATION
	PROPOSED RETAINING WALL
TRW=52.2 / BRW=44.8	TOP OF RETAINING WALL / BOTTOM OF RETAINING WALL ELEVATION
	WATER BAR
	FRONT YARD SETBACK

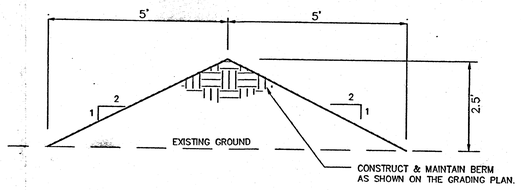


Approved plan stamped by Scott McGee on 6/10/02

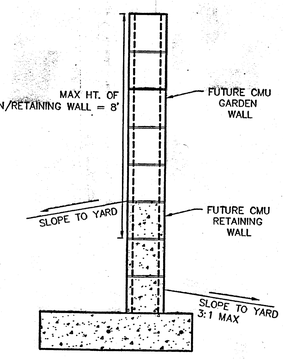
FOR INFORMATIION ONLY

EROSION CONTROL

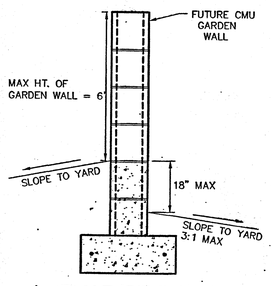
1. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO THE PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY. THIS CAN BE ACHIEVED BY CONSTRUCTING AN EROSION CONTROL BERM (AS DETAILED AT RIGHT) ALONG THE SOUTH PROPERTY LINE AND WETTING THE SOIL TO KEEP IT FROM BLOWING.
2. THE CONTRACTOR SHALL SECURE "TOPSOIL DISTURBANCE PERMIT" FROM THE CITY ENVIRONMENTAL HEALTH DEPARTMENT PRIOR TO BEGINNING CONSTRUCTION. AN EXCAVATION PERMIT IS REQUIRED FOR ALL WORK WITHIN PUBLIC RIGHT-OF-WAY.
3. SEE GRADING NOTES ON FOLLOWING SHEET.



EROSION CONTROL BERM
SCALE: 1"=2'



REAR/SIDE LOT RETAINING WALLS SECTION D-D
SCALE: NTS



REAR/SIDE LOT GARDEN WALLS SECTION A-A
SCALE: NTS

SCALE: 1"=40'

AS-BUILT INFORMATION

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

MICRO-FILM INFORMATION

RECORDED BY DATE

NO. DATE

BENCH MARKS

A.C.S. Survey Monument "7-L9"
New Mexico State Plane Coord's, Central Zone (NAD 27) as published:
Y = 1,478,346.71
X = 352,978.14
SLD = 1929 Elevation = 5175.74
Ground to grid factor = 0.99967727

SURVEY INFORMATION

NO.	BY	DATE
1	ALS	9-00

FIELD NOTES

ENGINEER'S SEAL

SALAZAR NEW MEXICO 16241 PROFESSIONAL ENGINEER 8/10/04

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY IA DATE MAY 04
DRAWN BY IA DATE MAY 04
CHECKED BY DSA DATE MAY 04

WILSON & COMPANY
2600 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO
87124
(505) 898-8021

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

CASITA DE LA MESA UNIT 4
GRADING & DRAINAGE PLAN

RECEIVED NOV 07 2005 HYDROLOGY SECTION

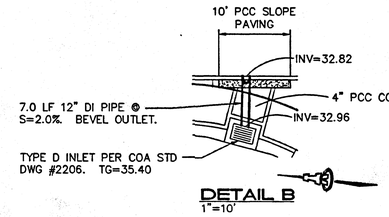
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
FOR INFORMATIION ONLY				

City Project No.	Zone Map No.	Sheet	Of
656982	L-9	4	16

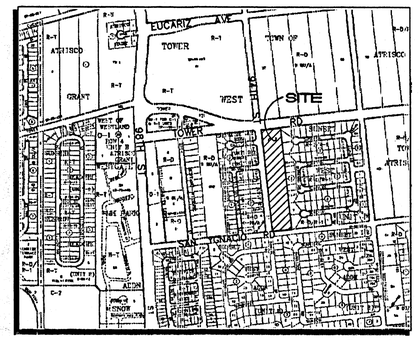
LEGEND

5150	EXISTING CONTOUR
◆78.3	PROPOSED SPOT ELEVATION
	FLOW ARROW
PG=5151.2	PAD GRADE ELEVATION
TC=81.95 / FL=81.45	TOP OF CURB / FLOWLINE ELEVATION
	PROPOSED RETAINING WALL
TRW=52.2 / BRW=44.8	TOP OF RETAINING WALL / BOTTOM OF RETAINING WALL ELEVATION
	WATER BAR
	FRONT YARD SETBACK

SCALE: 1"=40'

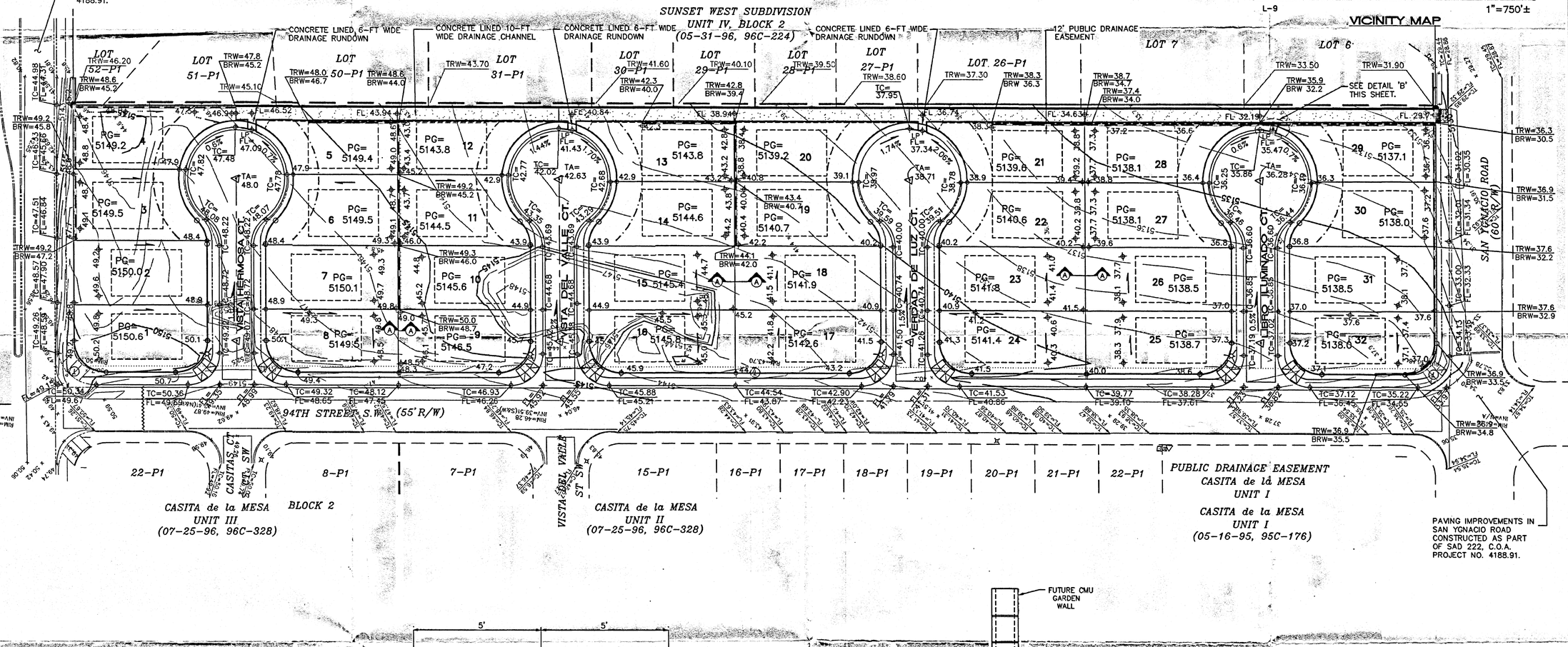


DETAIL B
1"=10'



L-9 1"=750'±

VICINITY MAP



EROSION CONTROL

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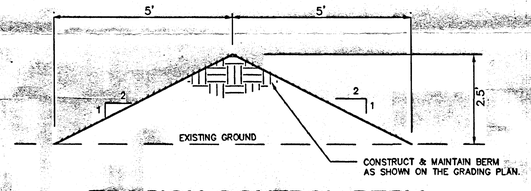
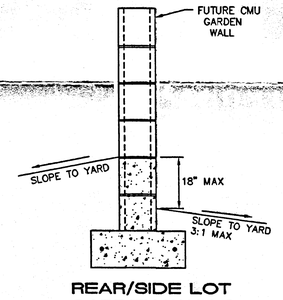


EROSION CONTROL BERM
SCALE: 1"=2'



REAR/SIDE LOT GARDEN WALLS
SECTION A-A
SCALE: NTS

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTOR'S ACCEPTANCE BY
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
DATE

MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

BENCH MARKS
ACS MONUMENT "7-L9", A C.O.A. BRASS CAP SET IN CONCRETE, LOCATED 39.2' WEST FROM THE ℄ OF 98TH ST. & 31.0' SOUTH FROM THE ℄ OF TOWER RD.
ELEV. = 5175.74'
TBM: RIM OF NORTHERLY MANHOLE AT TOWER ST. & 94TH ST.
ELEV. = 5051.86

SURVEY INFORMATION
FIELD NOTES

1	ALS	9/00

ENGINEER'S SEAL
SCOTT M. McGEE
NEW MEXICO
10519
LICENSED PROFESSIONAL ENGINEER
6/10/02

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

		DATE
DESIGNED BY	SMM	6/02
DRAWN BY	ANW	6/02
CHECKED BY	SMM	6/02

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque New Mexico
6/10/02

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

RECEIVED JUN 24 2002 HYDROLOGY SECTION

TITLE: CASITA DE LA MESA, UNIT 4

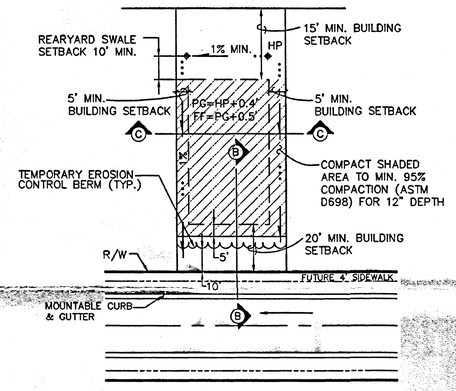
GRADING & DRAINAGE PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
6569.81	L-9	1	

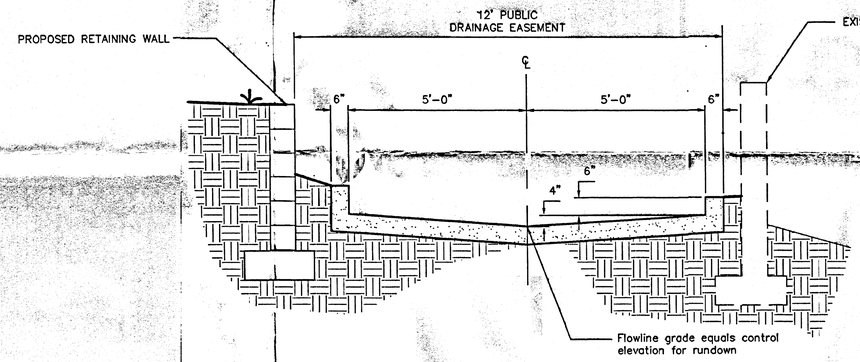
GRADING NOTES:

1. ALL TRASH, DEBRIS, & SURFACE VEGETATION SHALL BE CLEARED AND LEGALLY DISPOSED OFFSITE.
2. ALL SUBGRADE AND FILL SHALL BE COMPACTED TO A MINIMUM OF 90% ASTM D-1557.
3. EXCAVATION IS UNCLASSIFIED AND INCLUDES EXCAVATION TO SUBGRADE ELEVATIONS INDICATED, REGARDLESS OF CHARACTER OF MATERIALS ENCOUNTERED.
4. CONFORM TO ELEVATIONS AND DIMENSIONS SHOWN ON PLANS WITHIN A TOLERANCE OF 0.3± FEET.
5. SCARIFY AND COMPACT SUBGRADE FOR FILLS. PLACE FILL MATERIALS IN LAYERS NOT MORE THAN 8" IN LOOSE DEPTH. MOISTEN AS NECESSARY TO PROVIDE OPTIMUM MOISTURE (±2%) CONTENT.
6. UNIFORMLY GRADE AREAS WITHIN LIMITS OF GRADING AS SHOWN ON PLAN. SMOOTH FINISHED SURFACE WITHIN SPECIFIED TOLERANCE, COMPACT WITH UNIFORM SLOPES BETWEEN POINTS WHERE ELEVATIONS ARE INDICATED.
7. MAXIMUM SLOPES SHALL BE 3:1 MINIMUM SLOPES SHALL BE 1%.
8. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, 260-1990, FOR LOCATION OF EXISTING UTILITIES.
9. IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS CONDUCTED ONLY PRELIMINARY INVESTIGATION OF THE LOCATION, DEPTH, SIZE OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THIS INVESTIGATIONS IS NOT CONCLUSIVE, AND MAY NOT BE COMPLETE, THEREFORE, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFORE. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
10. THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT ERODED AND WASHED DOWN THE STREET.
11. OWNER WILL PROVIDE SOIL TESTING AND INSPECTION SERVICES DURING EARTHWORK OPERATIONS. ALLOW TESTING SERVICE TO INSPECT AND APPROVE COMPACTED SUBGRADES AND FILL LAYERS BEFORE FURTHER CONSTRUCTION WORK IS DONE. IF COMPACTION TESTS INDICATE INADEQUATE DENSITY, CONTRACTOR SHALL PROVIDE ADDITIONAL COMPACTION AND TESTING AT NO ADDITIONAL EXPENSE.
12. OWNER HAS ESTABLISHED SUBDIVISION BOUNDARY CORNERS. CONTRACTOR SHALL PROVIDE ALL OTHER CONSTRUCTION STAKING INCLUDING TRACT CORNERS. CONTRACTOR SHALL LOCATE AND PRESERVE ALL BOUNDARY CORNERS AND REPLACE ANY LOST OR DISTURBED CORNERS.



TYPICAL LOT GRADING

1"=30'

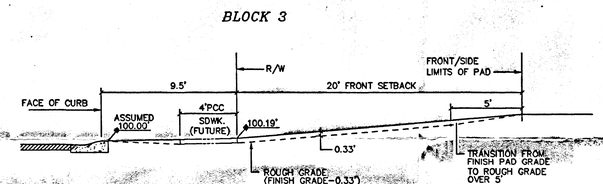


DRAINAGE CHANNEL SECTION

1"=2'-0"

NOTE: Construct P.C. concrete rundown per section shown above and detail on Sheet 6.

NOTE: RETAINING WALL SHOWN IS PROPOSED ADJACENT TO LOTS 5, 13, 21, 28 AND 29.



SECTION B-B

1"=5'

AS-BUILT INFORMATION

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

MICRO-FILM INFORMATION

RECORDED BY | DATE
NO.

BENCH MARKS

ACS MONUMENT "7-L9", A C.O.A. BRASS CAP SET IN CONCRETE, LOCATED 39.2' WEST FROM THE ℄ OF 98TH ST. & 31.0' SOUTH FROM THE ℄ OF TOWER RD.
ELEV. = 5175.74'

TBM: RIM OF NORTHERLY MANHOLE AT TOWER ST. & 94TH ST.
ELEV. = 5051.86'

SURVEY INFORMATION

FIELD NOTES

1	ALS	9/00

ENGINEER'S SEAL

SCOTT M. McGEE NEW MEXICO 10519 LICENSED PROFESSIONAL ENGINEER
Scott M. McGee 6/10/02

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY SMM DATE 6/02
DRAWN BY ANW DATE 6/02
CHECKED BY SMM DATE 6/02

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque New Mexico
145GRD.DWG:rfh VIEW: 2 6/10/02

RECEIVED JUN 13 2002 HYDROLOGY SECTION

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: CASITA DE LA MESA, UNIT 4

GRADING DETAILS & NOTES

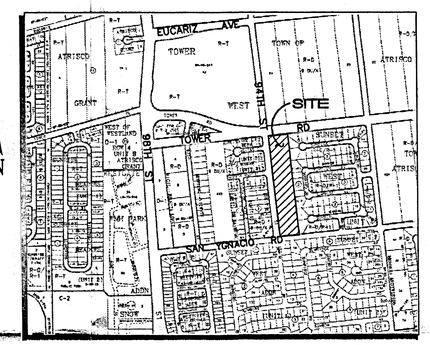
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 6569.81 | Zone Map No. L-9 | Sheet 2 Of

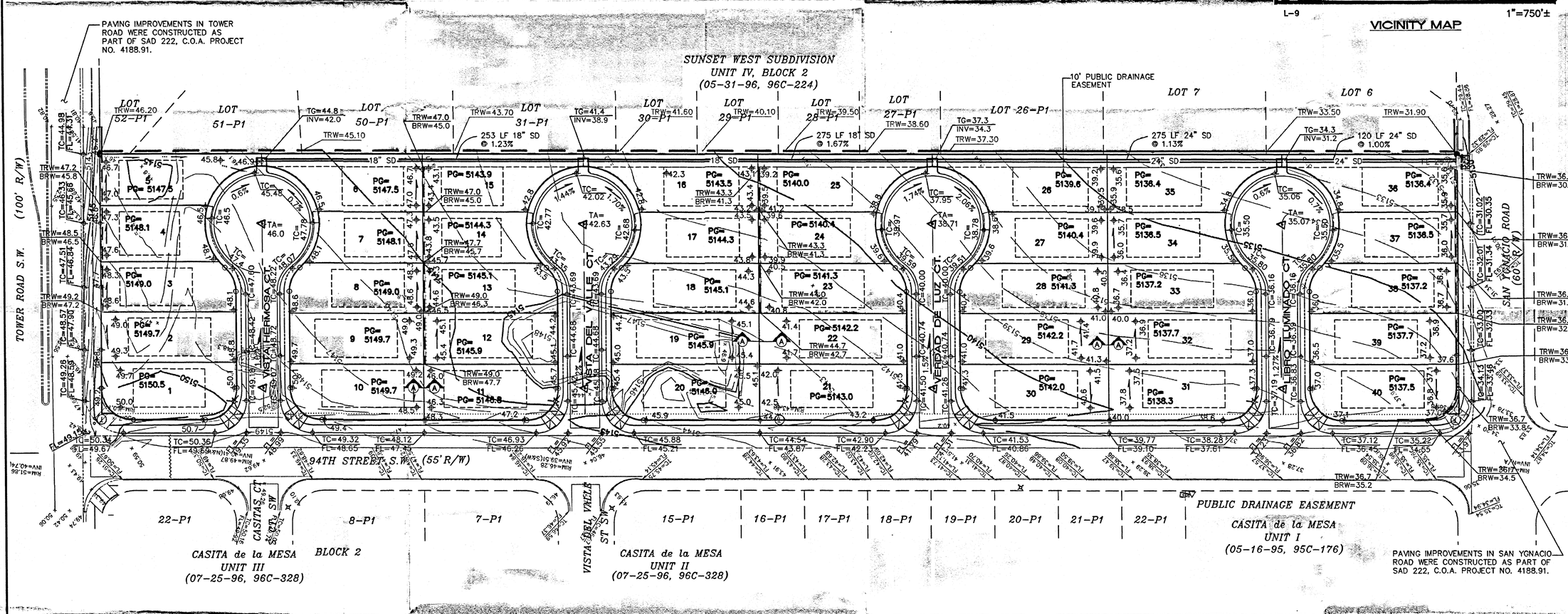
LEGEND

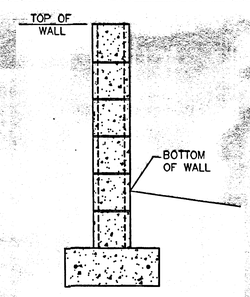
5150	EXISTING CONTOUR
◆78.3	PROPOSED SPOT ELEVATION
→	FLOW ARROW
PG=5151.2	PAD GRADE ELEVATION
TC=81.95 / FL=81.45	TOP OF CURB / FLOWLINE ELEVATION
	PROPOSED RETAINING WALL
TRW=52.2 / BRW=44.8	TOP OF RETAINING WALL / BOTTOM OF RETAINING WALL ELEVATION
	WATER BAR

SCALE: 1"=40'

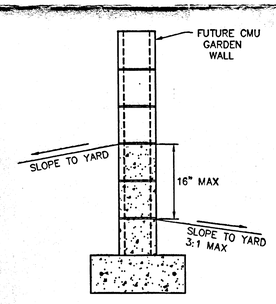


VICINITY MAP





RETAINING WALL SECTION
SCALE: NTS



REAR/SIDE LOT GARDEN WALLS SECTION A-A
SCALE: NTS

AS-BUILT INFORMATION

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

MICRO-FILM INFORMATION

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SURVEY INFORMATION

FIELD NOTES		
ALS	9/00	

ENGINEER'S SEAL

SCOTT M. McGEE
NEW MEXICO
10519
LICENSED PROFESSIONAL ENGINEER
5/10/02

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN		
DESIGNED BY	SMM	DATE 9/00
DRAWN BY	ANW	DATE 9/00
CHECKED BY	SMM	DATE 9/00

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque New Mexico
145XGRD.DWG rfh VIEW: 1 05/10/02

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: CASITA DE LA MESA, UNIT 4

GRADING & DRAINAGE PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
6569.81	L-9	4	16

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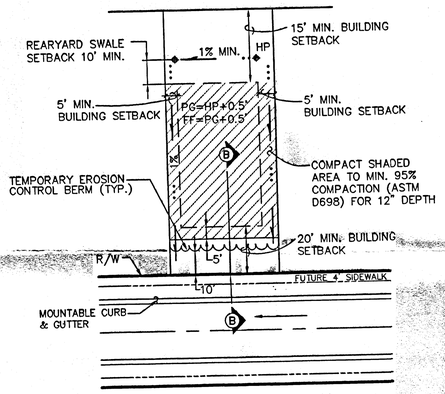
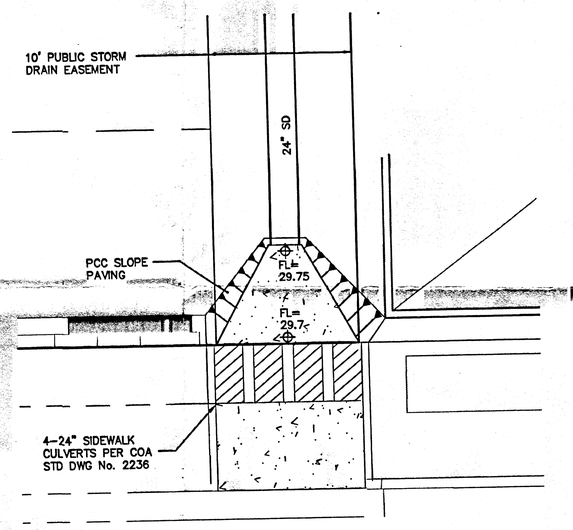


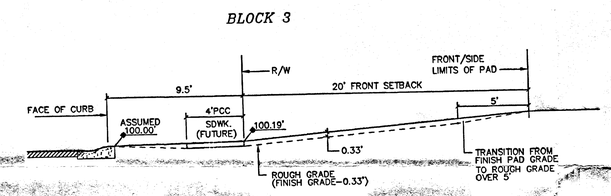
TYPICAL LOT GRADING

1"=30'



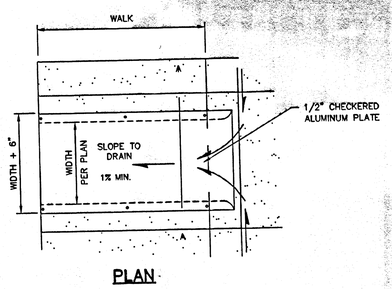
SAN YGNACIO RUNDOWN

SCALE: 1"=5'-0"

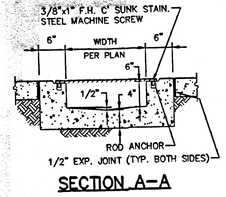


SECTION B-B

1"=5'



PLAN



SECTION A-A

SIDEWALK CULVERT

NTS

AS-BUILT INFORMATION

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

MICRO-FILM INFORMATION

RECORDED BY | DATE
NO.

BENCH MARKS

ACS MONUMENT "7-L9", A C.O.A. BRASS CAP SET IN CONCRETE, LOCATED 39.2' WEST FROM THE ℄ OF 98TH ST. & 31.0' SOUTH FROM THE ℄ OF TOWER RD.
ELEV. = 5175.74

TBM: RIM OF NORTHERLY MANHOLE AT TOWER ST. & 94TH ST.
ELEV. = 5051.86

SURVEY INFORMATION

FIELD NOTES

9/00 | ALS

ENGINEER'S SEAL

SCOTT M. McGEE NEW MEXICO 10519 LICENSED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

DESIGNED BY SMM DATE 9/00
DRAWN BY ANW DATE 9/00
CHECKED BY SMM DATE 9/00

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque New Mexico
145GRD.DWG/rfh VIEW: 2 12/10/00

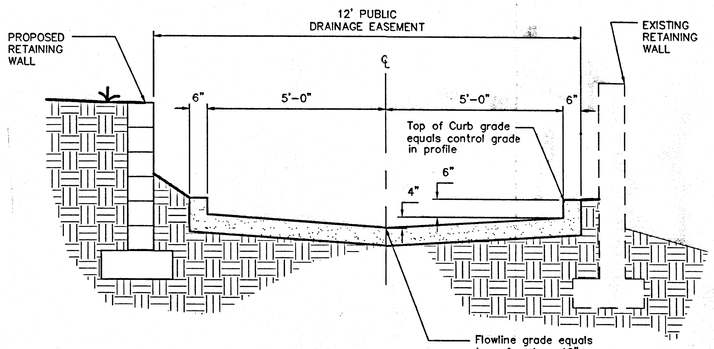
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: CASITA DE LA MESA, UNIT 4

GRADING DETAILS & NOTES

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 6569.81 | Zone Map No. L-9 | Sheet 5 Of 16

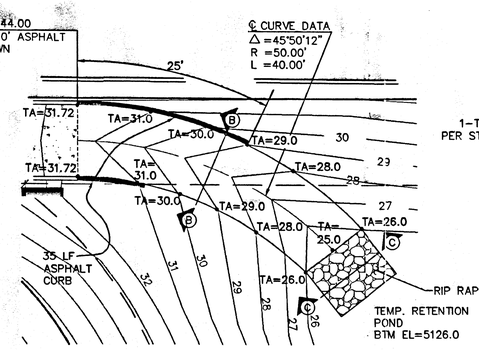


DRAINAGE CHANNEL SECTION A

1"=2'-0"

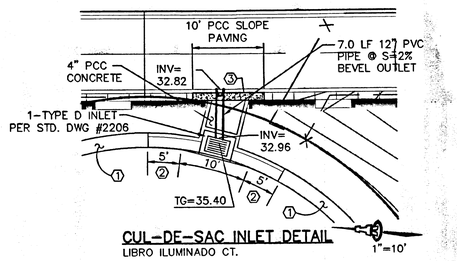
NOTE: Construct P.C. concrete rundown per section shown above and per C.O.A. Dwg. 2260.

NOTE: RETAINING WALL SHOWN IS PROPOSED ADJACENT TO LOTS 5, 13, 21, 28 & POND.



ASPHALT RUNDOWN DETAIL

1"=10'



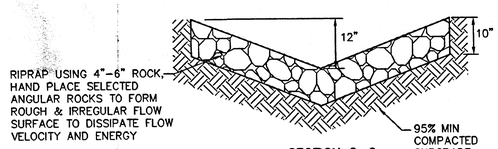
CUL-DE-SAC INLET DETAIL

LIBRO ILUMINADO CT.

1"=10'

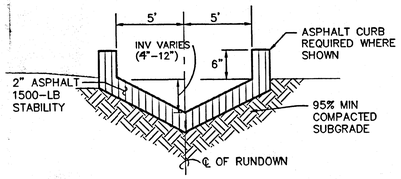
KEYED CONSTRUCTION NOTES

1. MOUNTABLE CURB & GUTTER PER COA STD DWG #2415.
2. TRANSITION FROM MOUNTABLE TO RUNDOWN CURB WITH INTEGRAL CURB VARYING FROM 4"-6" HIGH.
3. PLACE 13 SF 4" PCC SLOPE PAVING.



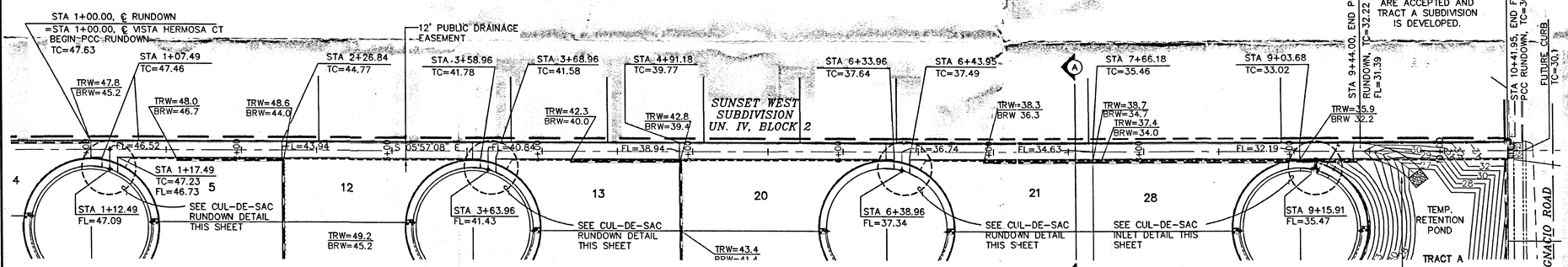
SECTION C-C

NTS



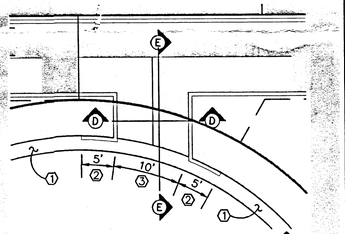
SECTION B-B

NTS



PUBLIC DRAINAGE RUNDOWN

SCALE: 1"=40'



CUL-DE-SAC RUNDOWN DETAIL

1"=10'

VISTA HERMOSA CT.
VISTA DEL VALLE CT.
VERDAD DE LUZ CT.

KEYED CONSTRUCTION NOTES

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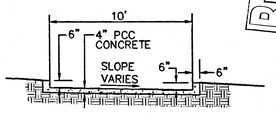
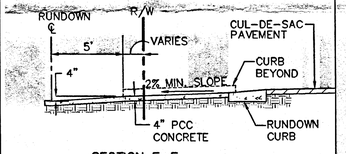
2. TRANSITION FROM MOUNTABLE TO RUNDOWN CURB WITH INTEGRAL CURB VARYING FROM 4-6" HIGH.
3. RUNDOWN CURB PER COA STD DWG #2415.



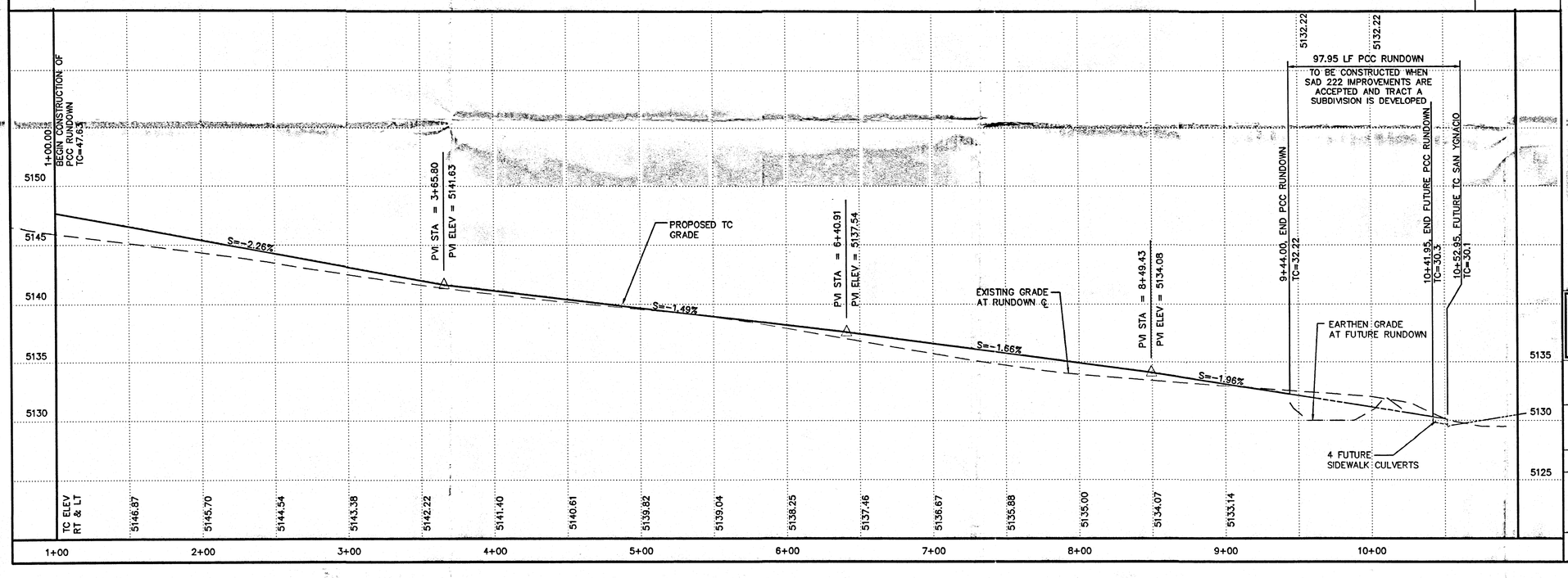
SECTION D-D

1"=5'



SECTION E-E

1"=5'



SCALES:
1"=40' HOR.
1"=5' VERT.

AS-BUILT INFORMATION

CONTRACTOR	DATE
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SURVEY INFORMATION

1	ALS	9/00

FIELD NOTES

RECEIVED FEB 22 2001 ENGINEERING GENERAL SECTION

SCOTT M. McGEE NEW MEXICO 10519 LICENSED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

DESIGNED BY	SMM	DATE 9/00
DRAWN BY	ANW	DATE 9/00
CHECKED BY	SMM	DATE 9/00

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque New Mexico
145PV3.DWG:rfh 02/21/01

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: CASITA DE LA MESA, UNIT 4
PUBLIC DRAINAGE RUNDOWN
PLAN & PROFILE

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
6569.81	L-9	6	16