



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

March 20, 2001

Daniel S. Aguirre, P.E.
Easterling & Assoc./Wilson & Co.
2600 The American Road SE Suite 100
Rio Rancho, New Mexico 87124

**RE: Grading and Drainage Certification
Mesa Vista Subd Tract Y-1B (B-9/D006)
Submitted for Release of Financial Guarantees
Engineers Stamp dated 9/12/2000
Engineer's Certification Stamp Dated 3/14/2001**

Dear Mr. Aguirre:

Based upon the information provided in your submittal dated 3/16/2001, the above referenced plan is adequate to satisfy the Grading and Drainage Certification requirements for Release of Financial Guaranty.

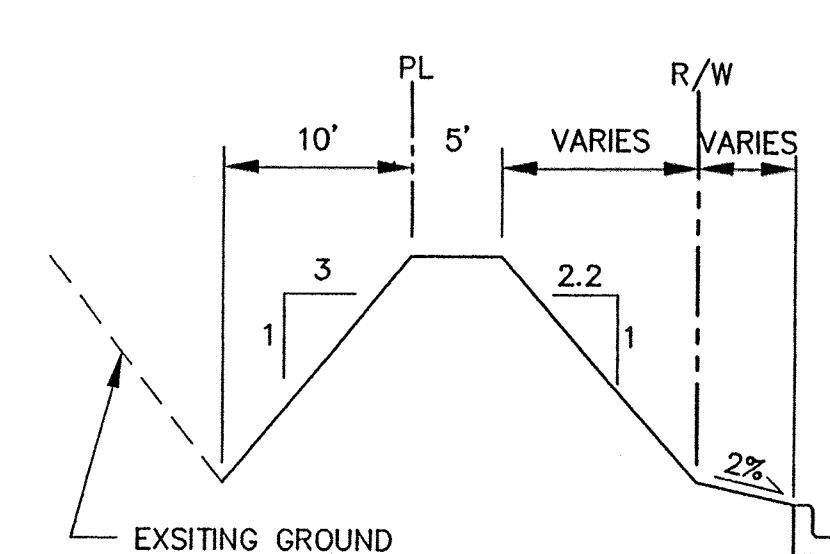
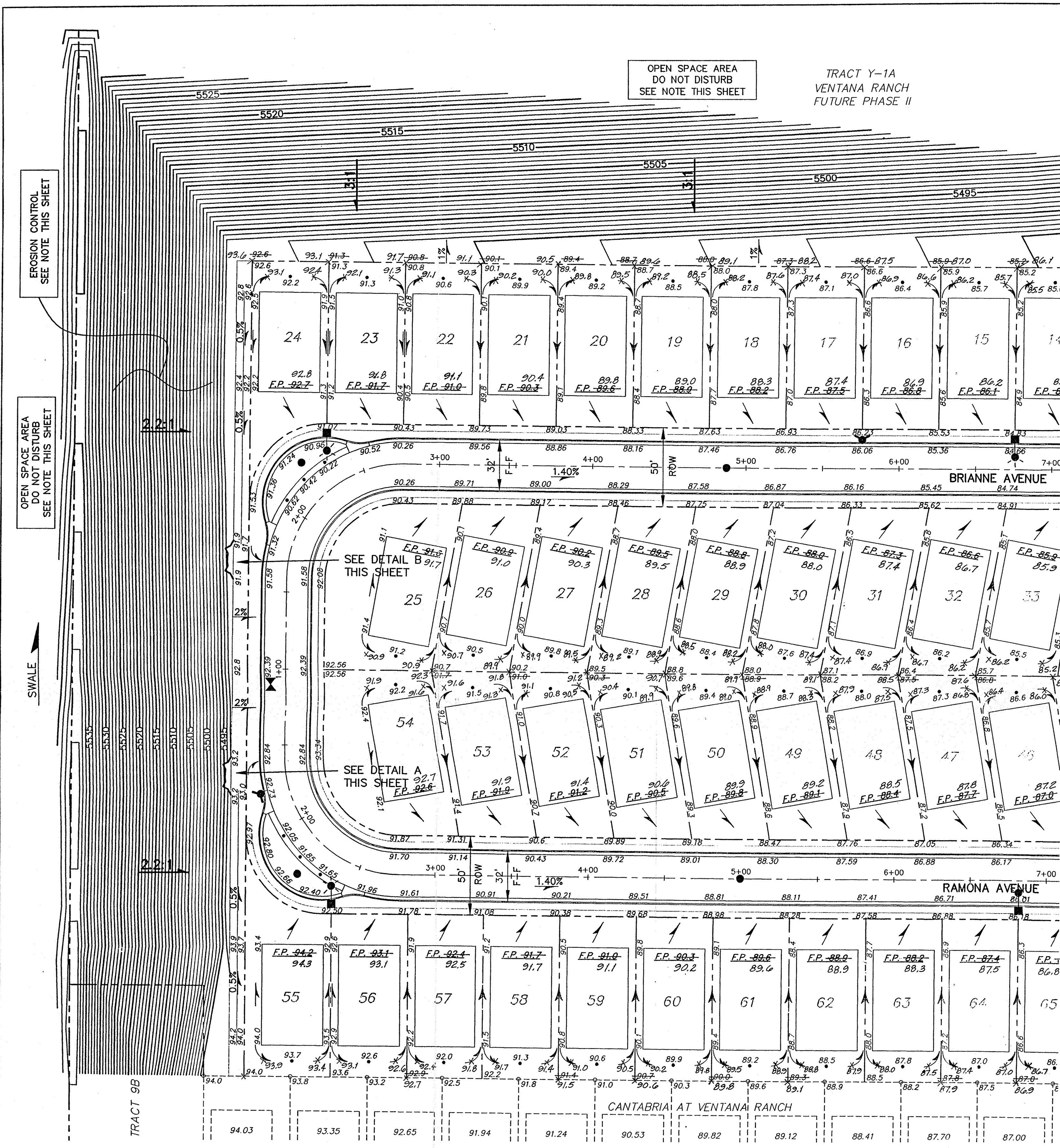
If you have any questions, please call me at 924-3986.

Sincerely,

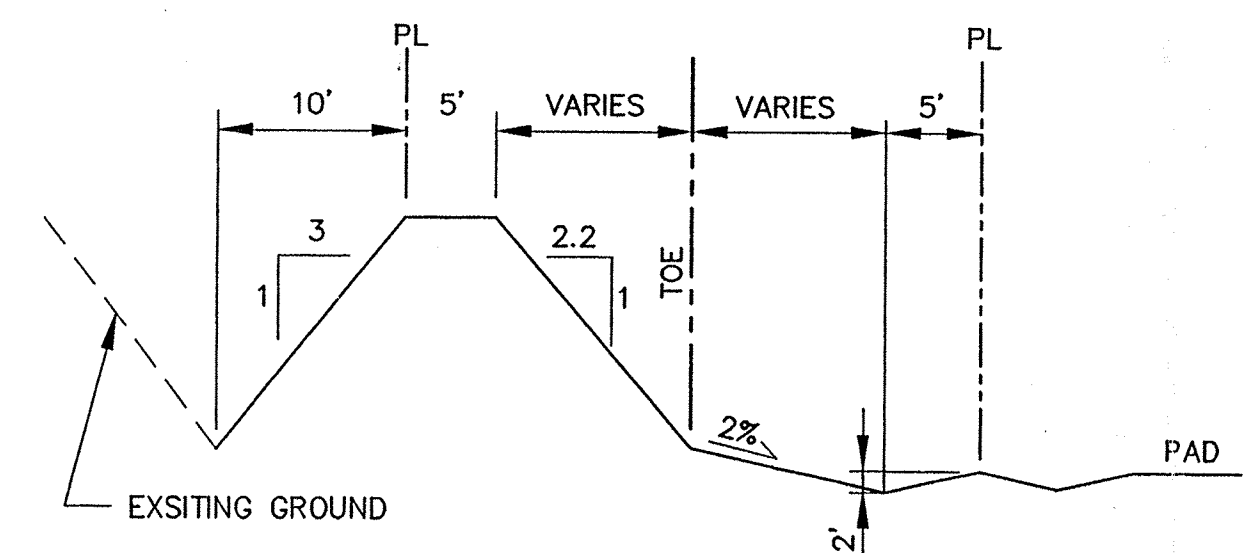
Bradley L. Bingham, P.E.
Senior Civil Engineer, Hydrology
Public Works Dept., C.O.A.

C: Arlene Portillo, PWD - #649481

File



TYPICAL BERM DETAIL - WEST SLOPE
ADJACENT TO ROAD
NTS

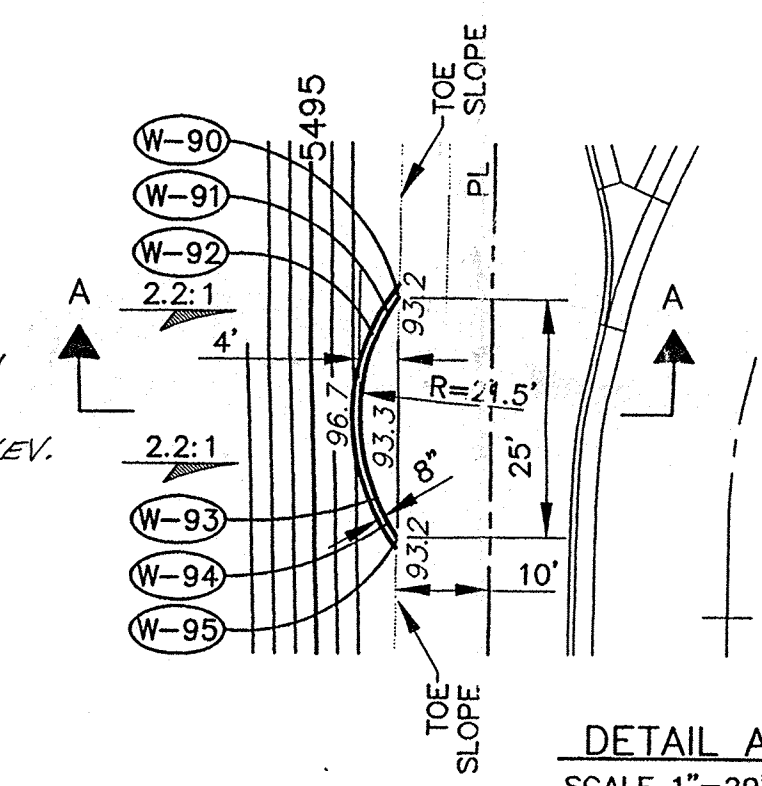


TYPICAL BERM DETAIL - WEST SLOPE
ADJACENT TO LOT
NTS

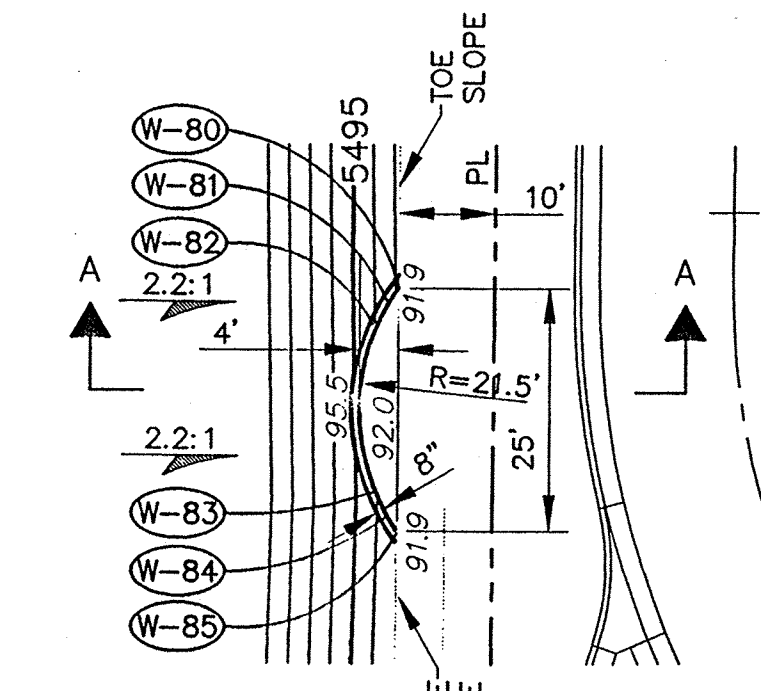


ENGINEER'S CERTIFICATION
I, DANIEL S. AGUIRRE, DO HEREBY CERTIFY THAT THIS SITE IS GRADED AS HEREON AND IS IN SUBSTANTIAL COMPLIANCE WITH THE APPROVED DRAINAGE PLAN.

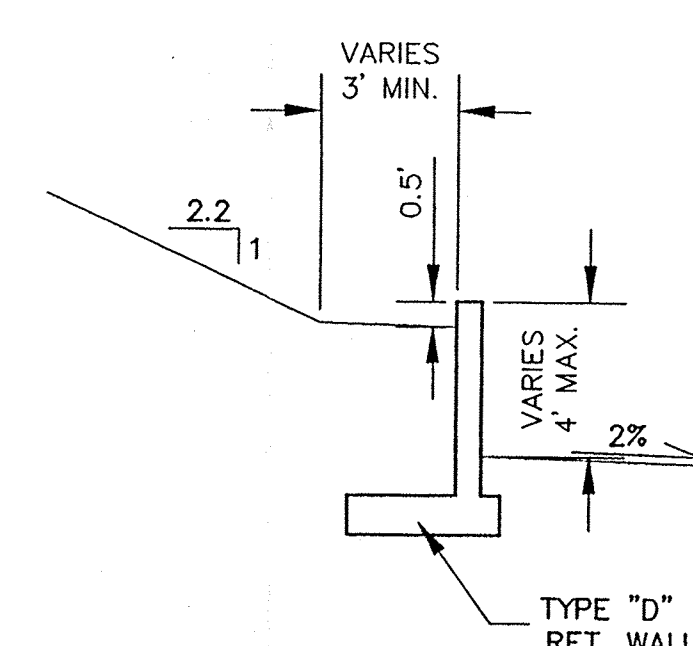
AS BUILT LEGEND
X 89.1 AS BUILT ELEVATION
-87.4 AS BUILT PAD ELEV.
86.7



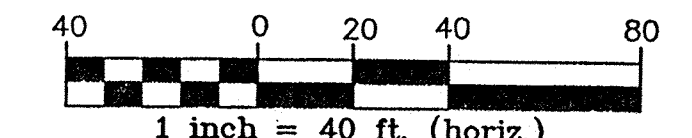
DETAIL A
SCALE 1"=20'



DETAIL B
SCALE 1"=20'



SECTION A-A
N.T.S.



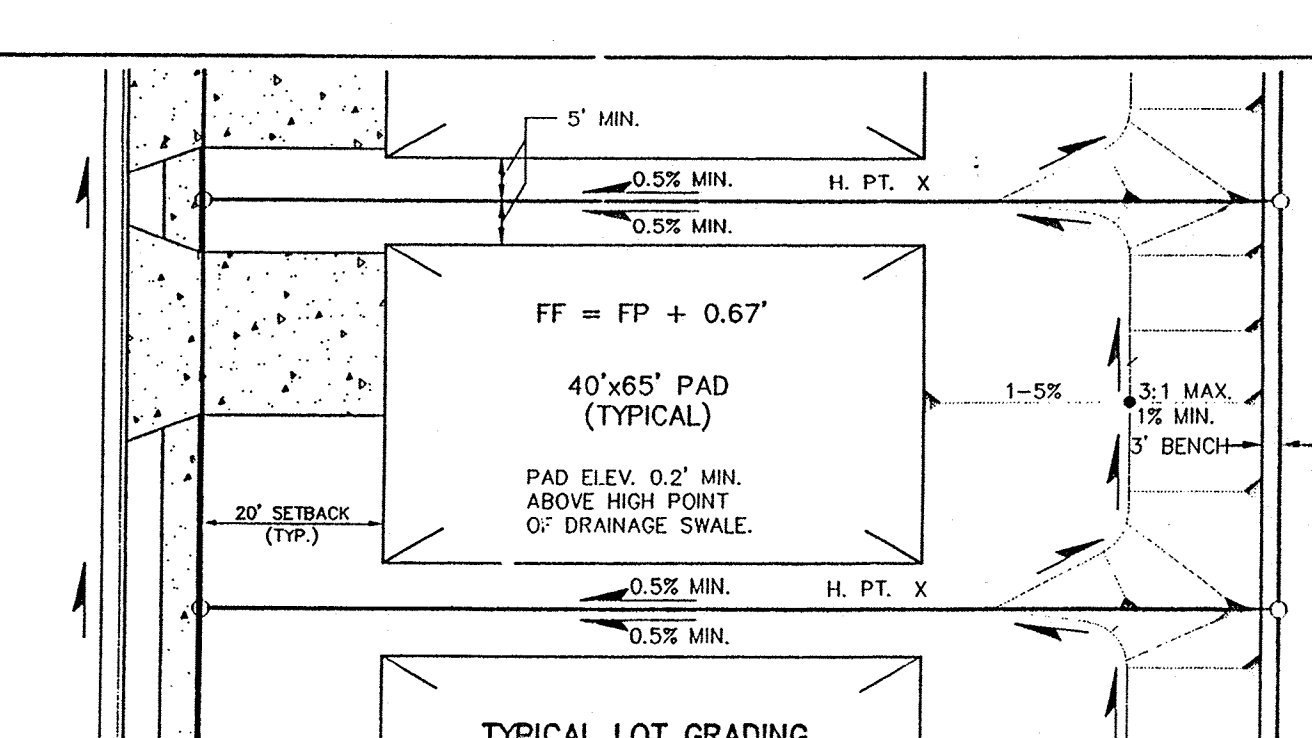
OPEN SPACE NOTE
CONTRACTOR SHALL FENCE OFF OPEN SPACE AREAS WITH PENNANT FLAGGING AND STEEL TEE-POSTS. CONTRACTOR SHALL NOT ENTER INTO OR DISTURB OPEN SPACE AREAS EXCEPT FOR THE MINIMUM AMOUNT NECESSARY TO CONSTRUCT REQUIRED CUT AND FILL SLOPES. DISTURBED AREAS SHALL BE REVEGETATED WITH NATIVE GRASS SEEDING IN ACCORDANCE WITH SECTION 1012. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO OTHER CONSTRUCTION ITEMS AND NO SEPARATE MEASUREMENTS OR PAYMENT SHALL BE MADE.

EROSION CONTROL NOTE
SLOPE EROSION CONTROL SHALL CONSIST OF BASALT BOULDERS DISTRIBUTED OVER LOWER HALF OF WESTERN SLOPE AND NATIVE STRIPPINGS PLACED ON UPPER HALF OF SLOPE, AS APPROVED BY OWNER.

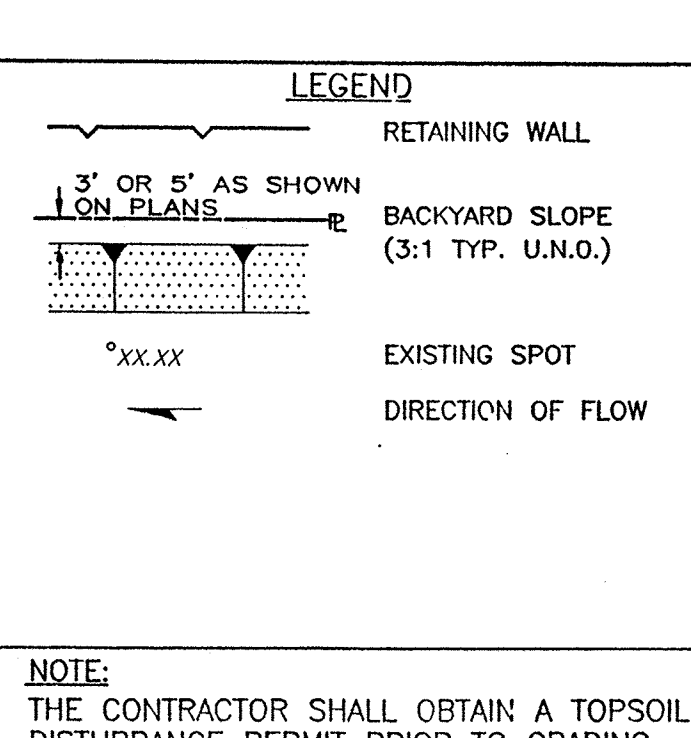
Retaining Wall Quantity Estimate

Wall Point	Top of Wall Elev.	Top of Footing Elev.	Approx. Wall Length (FT)	Average Wall Height (FT)	Approx. Wall Volume (CY)	Approx. Wall Area (SQ. FT)
W-81	94.66	91.0	3.66	2.0	3.66	0
W-81	95.33	91.0	4.33	3.5	4.33	0
W-82	96.0	91.0	5.0	16.0	5.0	0
W-83	96.0	91.0	5.0	3.5	4.33	0
W-84	95.33	91.0	4.33	2.0	3.66	0
W-85	94.66	91.0	3.66	2.0	3.66	0
W-91	95.33	92.2	3.66	3.5	4.33	0
W-92	97.2	92.2	5.0	16.0	5.0	0
W-93	97.2	92.2	5.0	3.5	4.33	0

Wall Point	Top of Wall Elev.	Top of Footing Elev.	Approx. Wall Length (FT)	Average Wall Height (FT)	Approx. Wall Volume (CY)	Approx. Wall Area (SQ. FT)
W-94	95.33	92.2	4.33	2.0	3.66	0
W-95	95.33	92.2	4.33	3.5	4.33	0

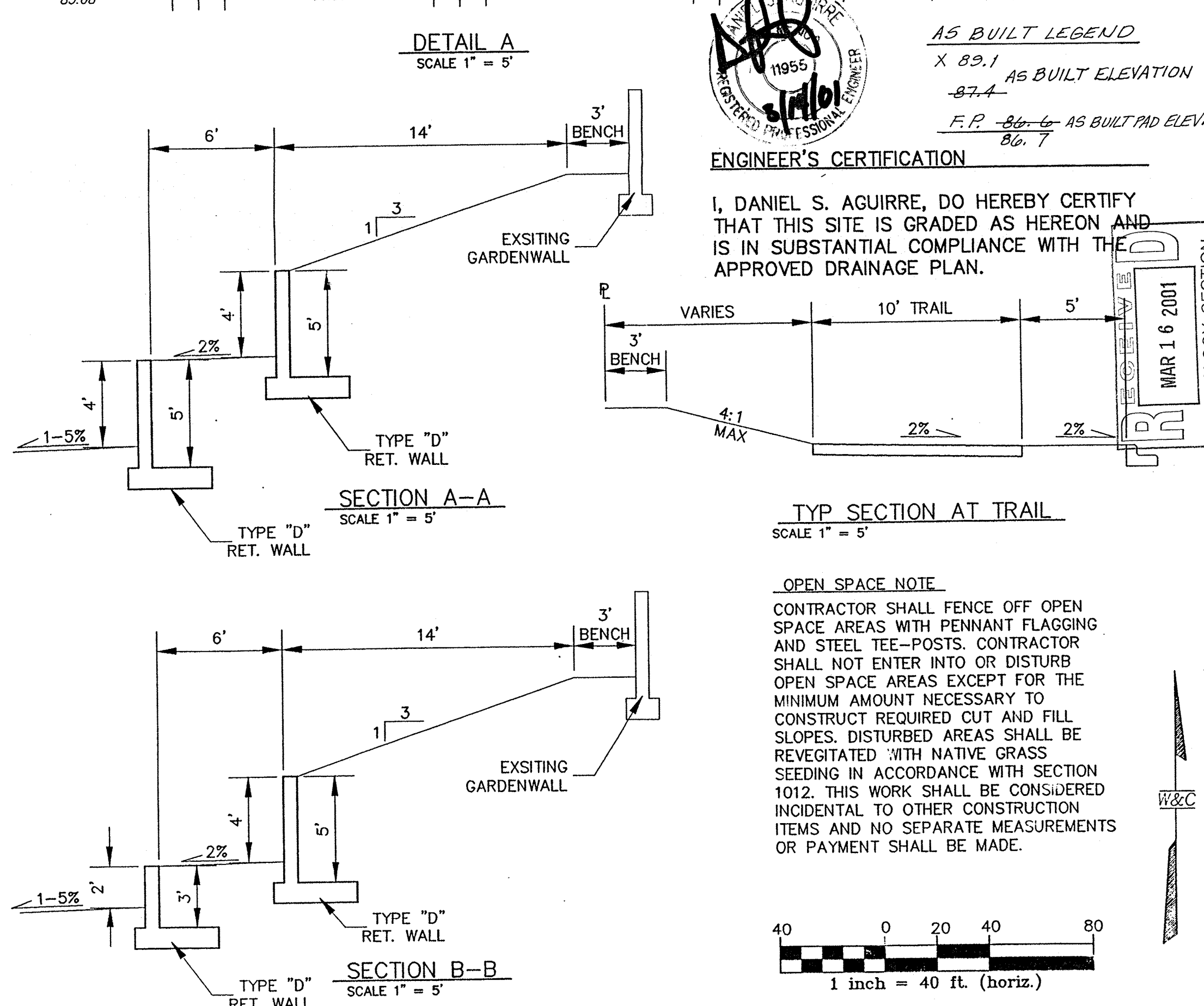
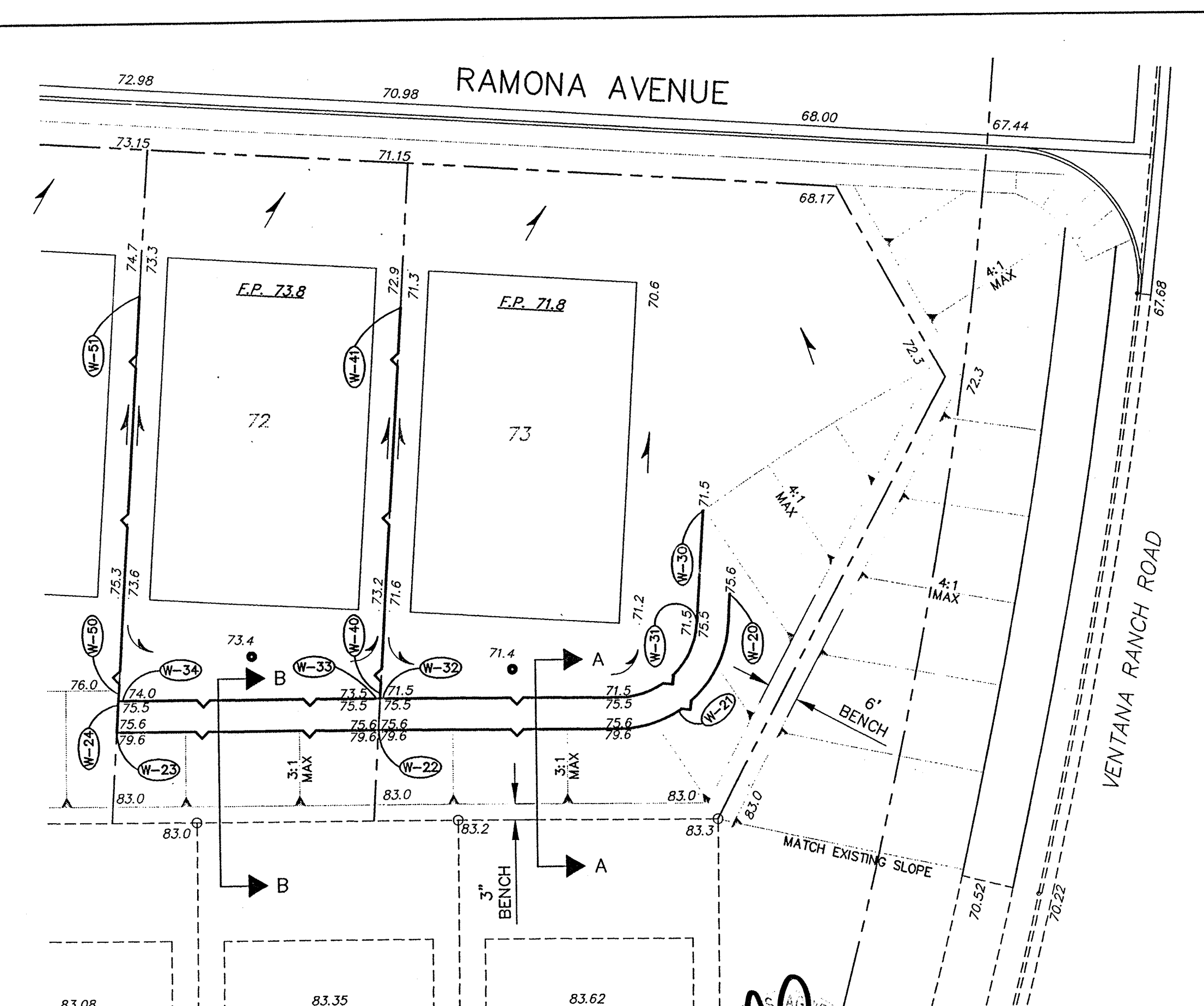


- GENERAL NOTES
- CROSS LOT DRAINAGE WILL NOT BE PERMITTED.
 - ALL DRAINAGE SWALES AND YARD AREAS SHALL HAVE MINIMUM SLOPES OF 1% IN THE DIRECTIONS INDICATED BY THE FLOW ARROWS AND MAXIMUM SLOPES OF 3% HORIZ. TO 1 VERT.
 - BUILDING PADS SHALL BE SET AT LEAST 0.2' ABOVE THE HIGHEST ELEVATION OF ADJACENT SWALES.
 - DRIVEWAYS SHALL SLOPE TOWARD THE STREETS AT A MINIMUM SLOPE OF 1% AND A MAXIMUM SLOPE OF 10%.
 - USEABLE BACKYARD AREAS SHALL BE AT LEAST 30'x15', AND SHALL SLOPE AWAY FROM THE BUILDING PADS AT A GRADE BETWEEN 1% AND 5%.
 - WHERE YARD GRADES OF ADJACENT LOTS AT PROPERTY LINES CAN NOT BE MATCHED USING THE ABOVE CRITERIA, RETAINING WALLS SHALL BE PROVIDED AS NECESSARY TO ACCOMMODATE THE GRADE DIFFERENTIALS.

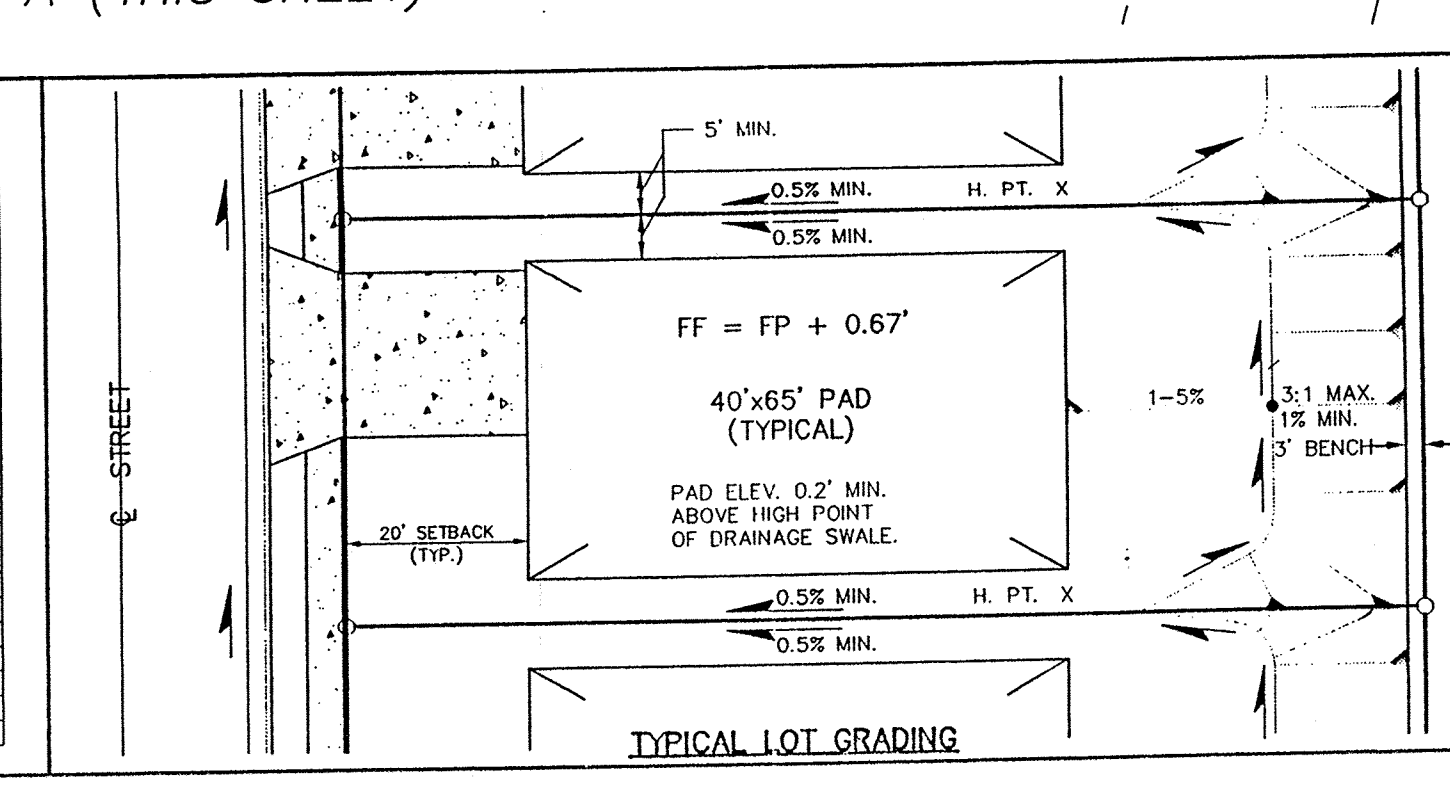


EASTERLING & ASSOCIATES
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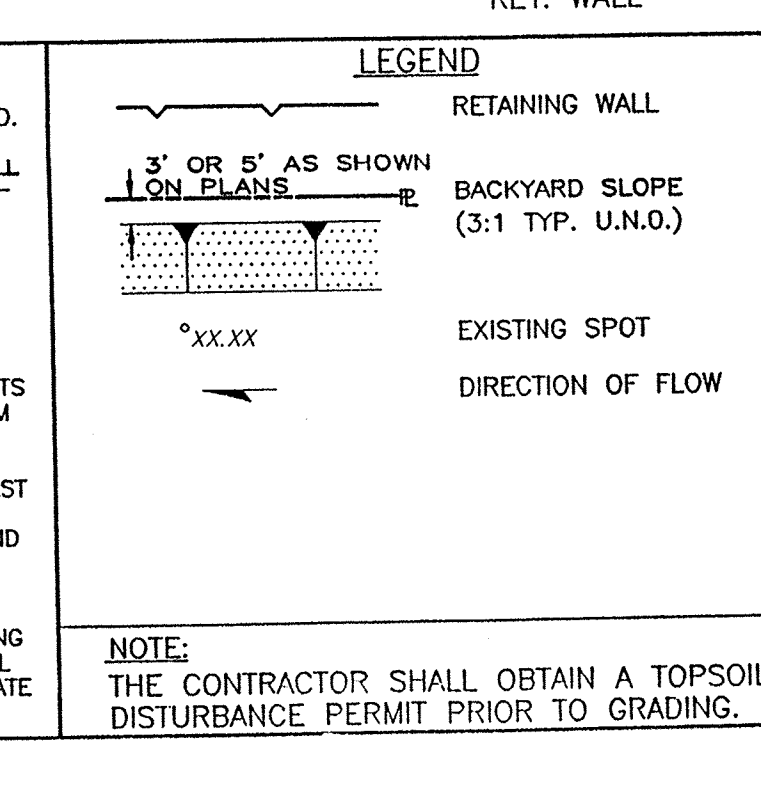
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP MESA VISTA SUBDIVISION TRACT Y-1B GRADING PLAN	
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL
Mo./DAY/YR.	Mo./DAY/YR.
LAST DESIGN UPDATE	
CITY PROJECT No. 649481	ZONE MAP NO. B-9
SHEET 9	OF 24



Retaining Wall Quantity Estimate									
Wall Point	Top of Wall Elev.	Top of Footing Elev.	Approx. Wall Length (ft)	Average Wall Height (ft)	Average Wall Type	Wall Point	Top of Wall Elev.	Top of Footing Elev.	Approx. Wall Length (ft)
W-1	75.4	72.3	2.67	50	2.67 B	W-20	75.34	74.8	1.34
W-2	75.1	72.3	2.67	50	2.67 B	W-21	75.6	74.8	5.0
W-3	74.8	72.3	2.67	55	2.67 B	W-22	75.6	74.8	5.0
W-4	74.6	71.3	2.67	55	2.67 B	W-23	75.6	74.8	5.0
W-5	74.3	71.3	2.67	55	2.67 B	W-24	75.27	74.8	0.87
W-6	74.0	71.3	2.67	55	2.67 B	W-30	71.84	70.5	1.34
W-7	73.7	71.3	2.67	55	2.67 B	W-31	75.5	70.5	5.0
W-8	73.4	70.3	2.67	55	2.67 B	W-32	75.5	70.5	5.0
W-9	73.3	69.9	3.35	42	3.01 B	W-33	75.5	72.5	3.0
W-10	70.8	66.79	3.35	37	3.35 B	W-34	75.5	72.5	3.0
W-11	70.8	68.8	2	35	2.67 B				



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 - WHERE YARD GRADES OF ADJACENT LOTS AT PROPERTY LINES CAN NOT BE MATCHED USING THE ABOVE CRITERIA, RETAINING WALLS SHALL BE PROVIDED AS NECESSARY TO ACCOMMODATE THE GRADE DIFFERENTIALS.



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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
MESA VISTA SUBDIVISION
TRACT Y-1B
GRADING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	Mo./DAY/YR.	Mo./DAY/YR.

CITY PROJECT No. **G49481** ZONE MAP NO. **B-9** SHEET **10** OF **24**

DESIGNED BY **SEG** DATE **09-12-00**
DRAWN BY **WKL** DATE **09-12-00**
CHECKED BY **DSA** DATE **09-12-00**

AS BUILT INFORMATION

CONTRACTOR	ALBUQUERQUE CONTROL SURVEY MONUMENT "1-B9 1980"
STAINED BY	NEW MEXICO STATE PLANE COORDINATES, CENTRAL
INSPECTED BY	ZONE (NAD 27) AS PUBLISHED:
FIELD CHECKED BY	X = 355,077.00 Y = 1,529,056.93
VERIFICATION BY	COMBINED GROUND TO GRID FACTOR = 0.99966334
CORRECTED BY	DELTA ALPHA = -001647"
RECORDED BY	ELEVATION = 5450.51 (NGVD 29)
NO.	

ENGINEER'S CERTIFICATION

I, DANIEL S. AGUIRRE, DO HEREBY CERTIFY THAT THIS SITE IS GRADED AS HEREON AND IS IN SUBSTANTIAL COMPLIANCE WITH THE APPROVED DRAINAGE PLAN.

ENGINEER'S SEAL

HYDROLOGY SECTION

REVISIONS

NO.	DATE	REVISIONS