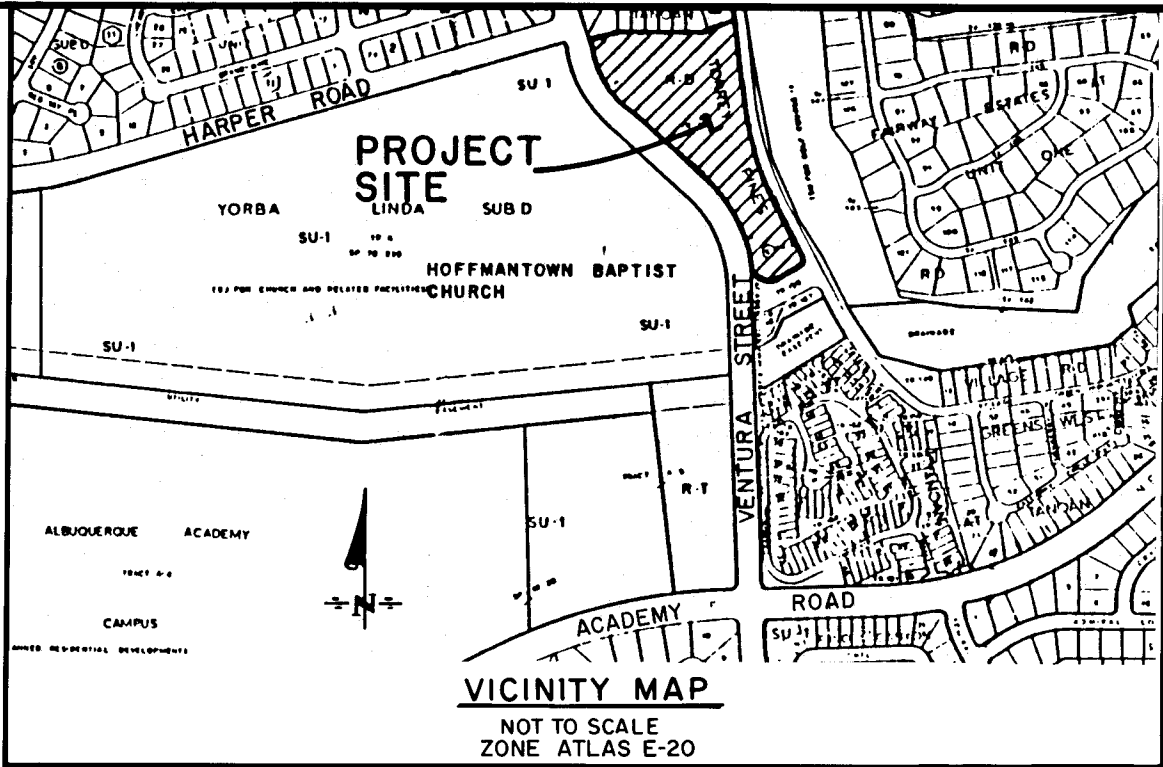


CONSTRUCTION PLANS
FOR
CYPRESS POINT AT TANOAN
SUBDIVISION
ALBUQUERQUE, NEW MEXICO

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2,3	SUBDIVISION PLAT
4	DRAINAGE / GRADING PLAN
5	RETAINING WALL & DRAINAGE DETAILS
6	PAVING & STORM DRAIN PLAN
7	WATER DISTRIBUTION PLAN
8	SANITARY SEWER PLAN
9	PRESTON TRAIL / MEDINAH LANE PAVING PLAN & PROFILE
10	CYPRESS POINT WAY PAVING PLAN & PROFILE
11	PRESTON TRAIL / MEDINAH LANE UTILITY PLAN & PROFILE
12	CYPRESS POINT WAY UTILITY PLAN & PROFILE



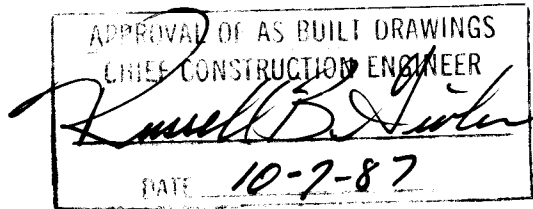
GENERAL NOTES

NOTICE TO CONTRACTORS

- 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 CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS PUBLIC WORKS CONSTRUCTION, 1985 EDITION.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
- 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 SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.

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 WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☐ IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- ☒ THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGED AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR.



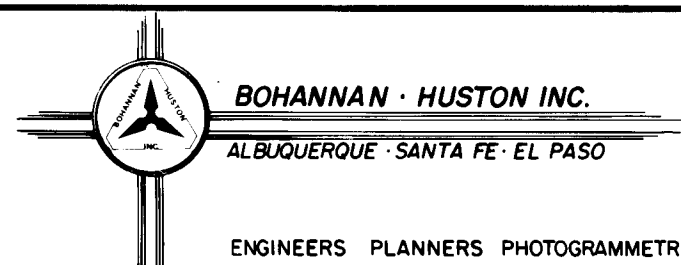
1	2	3	4	5	6	7	8	9	10	11	12
2	6	3	1	5	9	0	1	8	7		

REV	SHEETS	CITY ENGINEER	DATE	USER	DEPT.	DATE	USER	DEPT.	DATE
APPROVAL OF REVISIONS									

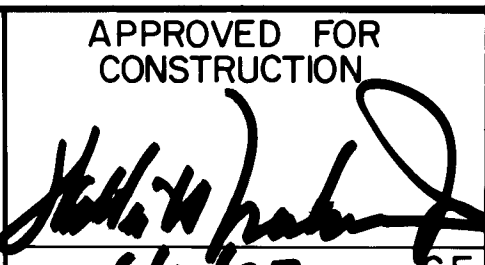


RECORD DRAWINGS
DATE 10/6/77

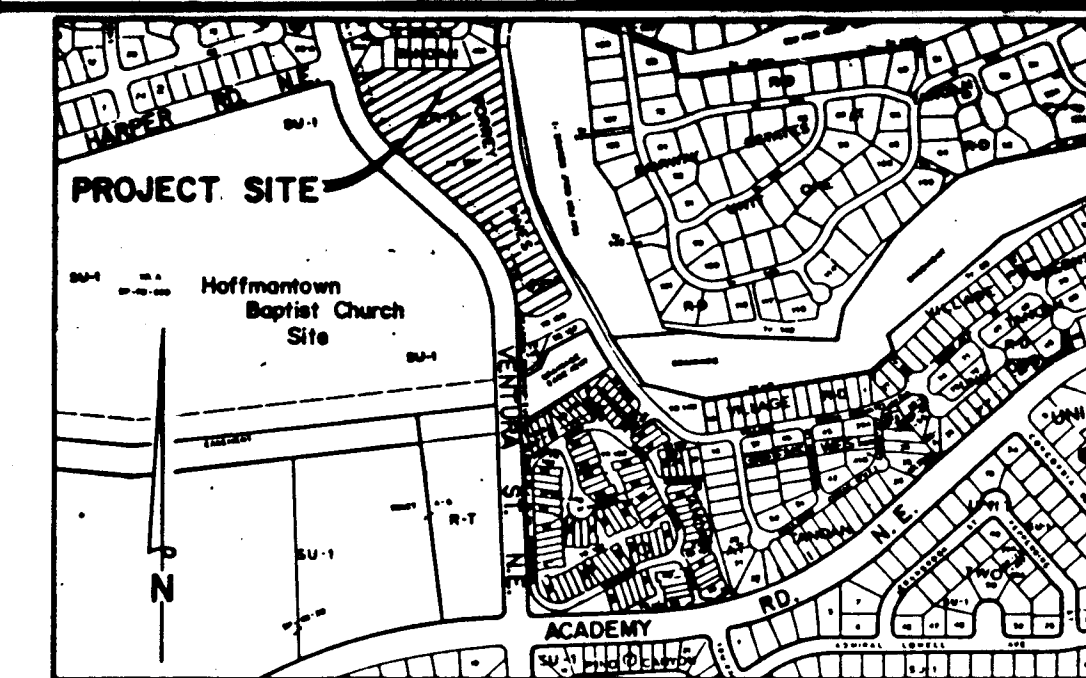
BHI JOB N° 64344



PROJECT NUMBER
3159



SHEET 1 OF 12



LOCATION MAP
NOT TO SCALE
ZONE ATLAS MAP NO. E-20-Z

NOTES

1. TOTAL ACREAGE = 6.9073 ACRES
2. PROPOSED NUMBER OF LOTS = 38
3. CURRENT ZONING IS R-D
4. MINIMUM LOT SIZE IS 5200 S.F. MINIMUM LOT DIMENSIONS 52' X 100'. LOT SETBACKS WILL CONFORM TO THOSE OF THE R-1 ZONE, SECTION 10.E.3.B. SOLAR ACCESS SHALL BE PROVIDED AS PER THE STIPULATIONS OF SECTION 40.C.1.G.
5. ALL STREETS WILL BE PRIVATE, TO BE MAINTAINED BY THE HOMEOWNERS ASSOCIATION. ALL UNDERGROUND UTILITIES, INCLUDING WATER AND SEWER FACILITIES WILL BE PUBLIC, TO BE ACCEPTED BY THE CITY OF ALBUQUERQUE FOR MAINTENANCE. ALL COMMON AREA LANDSCAPING SHALL BE MAINTAINED BY THE HOMEOWNERS' ASSOCIATION.

LEGEND	
●	Set 5/8" rebar with 1-1/4" yellow cap stamped "WEAVER LS 6544"
○	Set Concrete Nail
+	Curb Scratch
○	Proposed Centerline Monuments

SURVEY NOTES

- 1) PROPOSED CENTERLINE MONUMENTS WILL BE MARKED BY A 4" ALUMINUM DISK STAMPED "CENTER-LINE MONUMENT, LS 6544"
- 2) BOUNDARY WILL BE TIED TO THE NEW MEXICO STATE PLANE COORDINATE SYSTEM AS SHOWN.
- 3) BASIS OF BEARINGS WILL BE NMSP GRID BEARINGS.
- 4) DISTANCES WILL BE GROUND DISTANCES.

CURVE DATA					
NUMBER	ARC	RADIUS	DELTA	CHORD	TANGENT
C1	374.89	987.25	21 45' 25"	372.64	189.73
C2	39.27	25.00	90 00' 00"	35.36	25.00
C3	107.94	75.00	82 27' 23"	98.86	65.72
C4	35.80	554.60	3 41' 54"	35.80	17.91
C5	58.02	159.38	20 51' 26"	57.70	29.33
C6	29.56	140.63	12 02' 35"	29.50	14.83
C7	277.61	543.22	29 16' 52"	274.60	141.91
C8	188.87	356.29	30 22' 24"	186.67	96.71

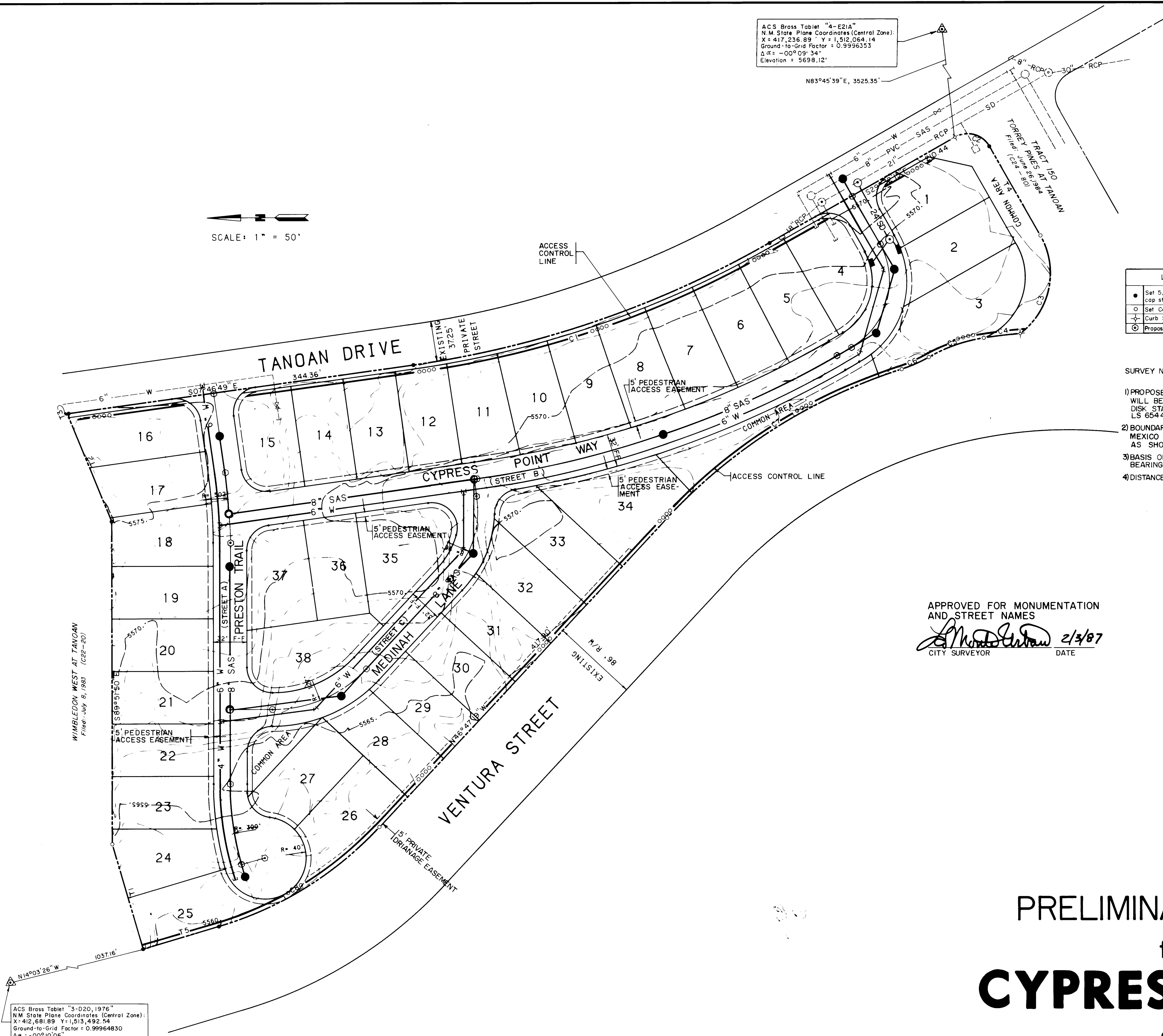
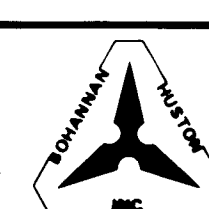
TANGENT DATA		
NUMBER	BEARING	DISTANCE
T1	N73 51'06"E	108.21
T2	N67 50'00"E	111.18
T3	N82 13'11"E	4.00
T4	S60 27'45"W	101.88
T5	N16 25'14"W	78.16

APPROVED FOR MONUMENTATION
AND STREET NAMES
[Signature] 2/3/87
CITY SURVEYOR DATE

PRELIMINARY PLAT for CYPRESS POINT at TANOAN

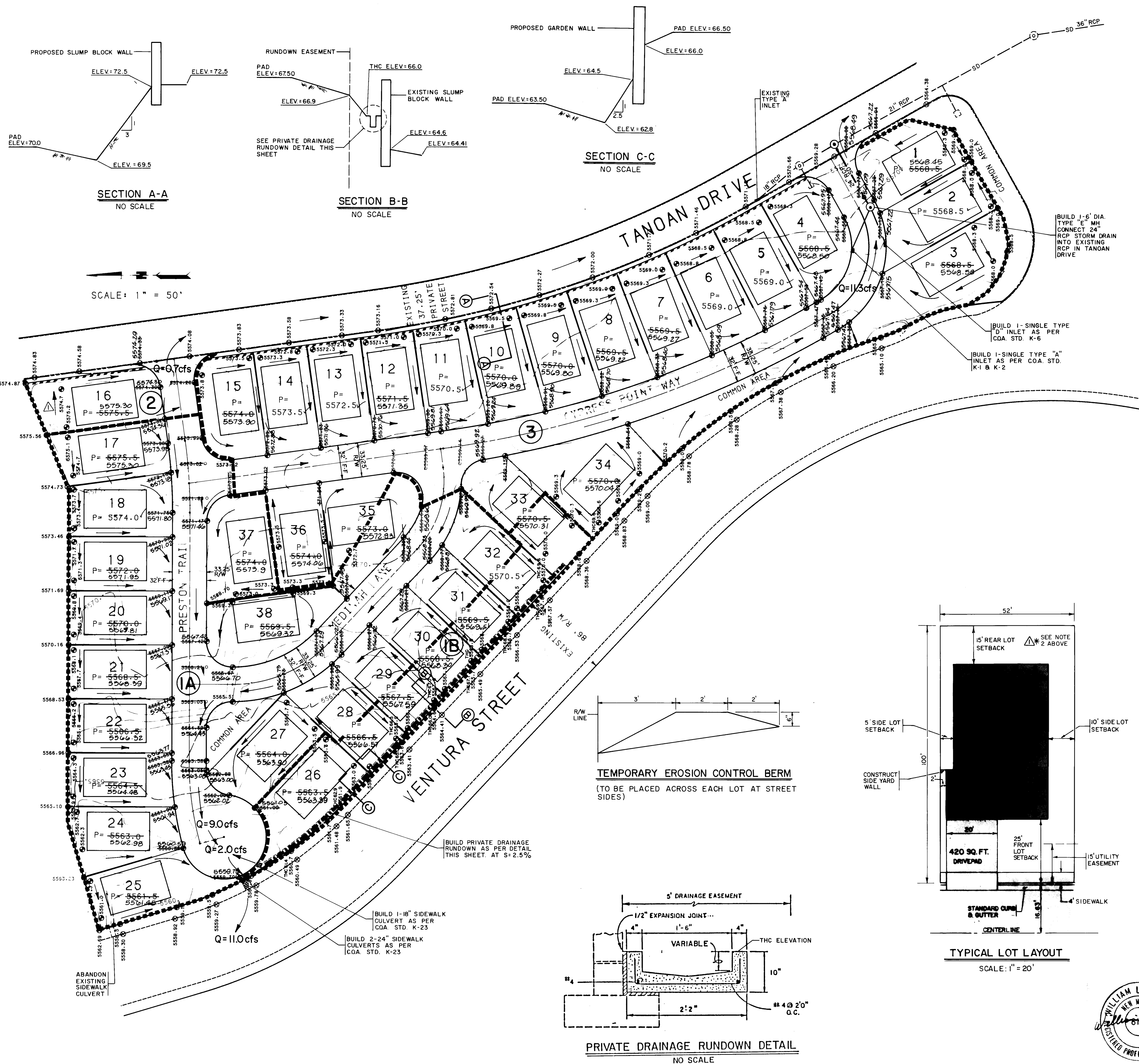


RECORD DRAWINGS
DATE



ACS Brass Tablet "4-E21A"
N.M. State Plane Coordinates (Central Zone):
X = 417,236.89 Y = 1,512,064.14
Ground-to-Grid Factor = 0.99966153
 $\Delta\alpha = -00^{\circ}09'34''$
Elevation = 5698.12'

ACS Brass Tablet "3-D20, 1976"
N.M. State Plane Coordinates (Central Zone):
X = 412,681.89 Y = 1,513,492.54
Ground-to-Grid Factor = 0.99964830
 $\Delta\alpha = -00^{\circ}10'06''$
Elevation = 5544.94'



EARTHWORK SPECIFICATIONS

1. GENERAL:
- The Soils Engineer shall be the Owner's representative to control the fill operations. The Soils Engineer shall approve the material, the method of placing and compaction, and shall give written approval of the complete fill after having taken sufficient tests to evaluate compliance with the specification.
2. FILL MATERIAL UNDER FOUNDATION AND WITHIN THREE FEET OF LAB:
- The fill materials shall be gravel, sand, silt, or clay mixtures which have a plasticity index not greater than six (6), and a liquid limit not greater than twenty-five (25). Material larger than six (6) inches shall not be placed in the fill, and material larger than four (4) inches shall not be placed within one (1) foot of the bearing surfaces of a slab or foundation. Materials shall be approved by the Soils Engineer.
3. PREPARATION OF OVEREXCAVATED SURFACE:
- The overexcavated surface under the areas to be filled shall be scarified to a minimum depth of eight (8) inches, moisture conditioned to optimum moisture content (M.C.), and compacted to a minimum of 90% of maximum density as determined by A.T.M. with a minimum of twenty (20) passes with a heavy vibrator or equivalent tipper, trash, and uncontrolled man-made fill shall be removed before beginning preparation of native ground.
4. PREPARATION OF NATURAL SURFACE FOR FOUNDATION AND ROADS:
- Prior to the placement of foundations, floors, slabs, or fill, the ground shall be scarified to a minimum depth of eight (8) inches, moisture conditioned to optimum moisture content (M.C.), and compacted to a minimum of 90% of maximum density as determined by A.T.M. with a minimum of twenty (20) passes with a heavy vibrator or equivalent tipper, trash, and uncontrolled man-made fill shall be removed before beginning preparation of native ground.
5. FILL MATERIAL:
- No brush, rod, frozen material, or other perishable or unsuitable material shall be placed in the fill. Distribution of material shall be such as to avoid areas differing substantially from the surrounding material. The material shall be delivered to the fill in such manner as to result in a well and uniformly compacted fill.
- Before compacting, the fill material shall be spread in approximately horizontal layers not greater than eight (8) inches thick.
6. FILL TREATMENT:
- The material, while being compacted, shall contain the optimum moisture for compaction distributed uniformly throughout the layers. The contractor shall be required to add moisture to the material in the excavation if, in the opinion of the Soils Engineer, it is not possible to obtain proper and uniform moisture by adding water on the fill surface.
7. COMPACTION:
- When the moisture content and condition of the fill is satisfactory, it shall be compacted by methods approved by the Soils Engineer. A Proctor test should be performed on each type of fill material and frequent density tests of the fill shall be taken.
- When compacting cohesionless free-draining material such as sands and gravels, the material shall be deposited in layers and compacted by treads of a crawler-type tractor, surface or internal vibrators, smooth or pneumatic rollers, hand or power tampers, or by any other means approved by the Soils Engineer. The thickness of the horizontal layers after compaction shall not exceed, in the compacted thickness, if compaction is performed by the tractor treads, surface vibrators or similar equipment, or not more than the penetrating length of the vibrator head if compaction is performed by internal vibrators.
- Should the use of vibratory compaction techniques pose a threat to the structural integrity of surrounding structures, a heavy steel roller may be used.
8. DENSITY REQUIREMENT:
- Fill placed for foundation and slab support shall be compacted to a minimum of 90% of maximum density as determined by A.T.M.
- Fill placed for general site grading shall be compacted to a minimum of 90% of maximum density as determined by A.T.M. with the exception of the upper six (6) inches of the street subgrade which shall be compacted to 100% of maximum density.

NOTE:

1. CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM CITY ENVIRONMENTAL HEALTH DEPARTMENT.

2. NO ROOF DRAINAGE SHALL BE DIRECTED TO REAR YARD AREAS.

LEGEND

---	PROJECT BOUNDARY
---	EXISTING CONTOUR
●	EXISTING SPOT ELEVATION
○	PROPOSED SPOT ELEVATION
SD	PROPOSED STORM DRAIN LINE
○	PROPOSED STORM DRAIN MANHOLE
---	DIRECTION OF FLOW
---	DRAINAGE BASIN BOUNDARY
---	PROPOSED CHANNEL
---	PROPOSED RETAINING WALL
---	PROPOSED GARDEN WALL
---	PROPOSED SLUMP BLOCK WALL
---	PAD ELEVATION
THC690	TOP OF HEADER CURB ELEVATION

APPROVED FOR ROUGH GRADING 11'

Robert K. Green 2-17-87
HYDROLOGY ENGINEER DATE

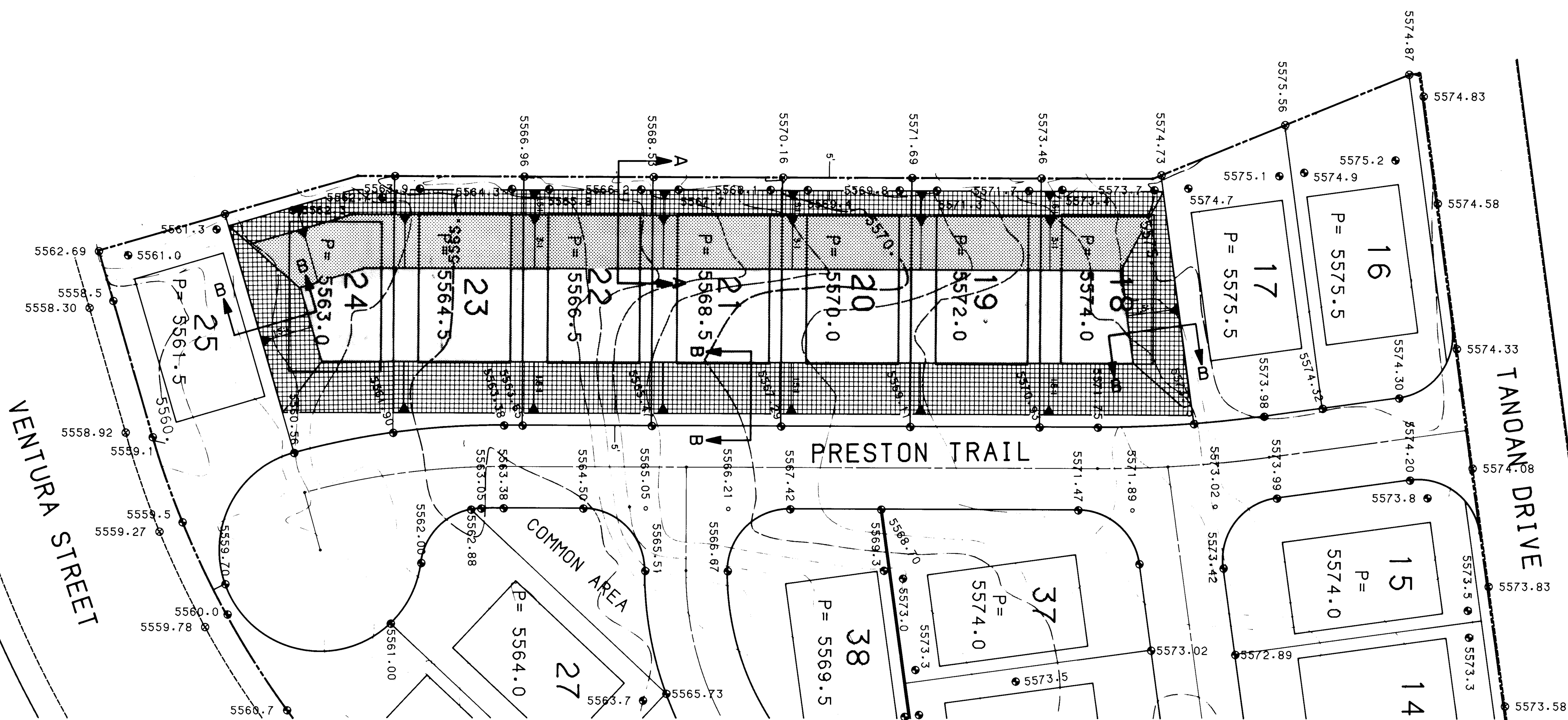
CITY OF ALBUQUERQUE PUBLIC WORKS ENGINEERING			
TITLE: CYPRESS POINT AT TANOAN DRAINAGE / GRADING PLAN			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer	<i>[Signature]</i>	3/31/87	Liquid Waste
A.C.E. Design	<i>[Signature]</i>	3-21-87	Traffic
A.C.E. Hydrology	<i>[Signature]</i>	3-20-87	Water
DRAWING NO.	3159	MAP NO.	E-20
		SHEET	4 OF 12



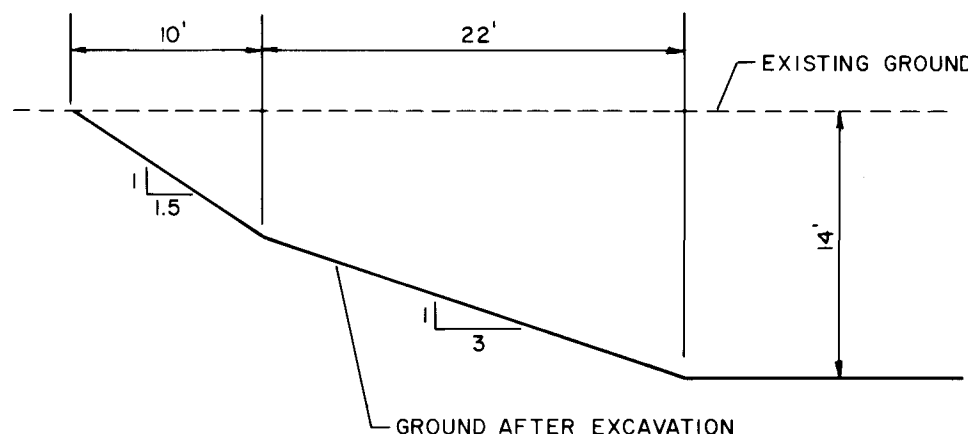
RECORD DRAWINGS
10/2/77

1	2	3	4	5	6	7	8	9	10	11	12
26	31	59	04	87							

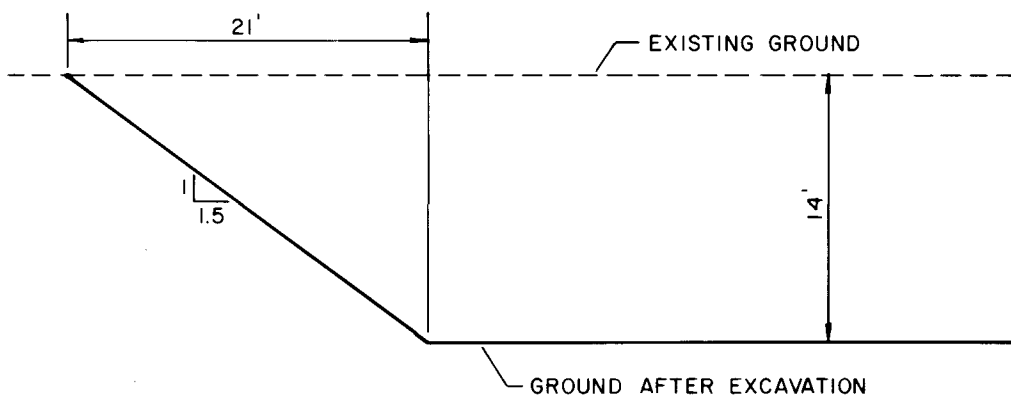
FOR INFORMATION ONLY



SCALE: 1" = 30'



SECTION A-A
NO SCALE



SECTION B-B
NO SCALE

LEGEND FOR OVEREXCAVATED AREAS

- 1.5:1 SLOPED AREA
- 3:1 SLOPED AREA
- BOTTOM OF TRENCH

EARTHWORK SPECIFICATIONS
FOR OVEREXCAVATION
STABILIZATION AND COMPACTION
OF SUBSURFACE SOILS

The low density soils should be removed to a depth of fourteen (14) feet. It is anticipated that the on-site material will be suitable for placement as controlled structural fill provided that all deleterious materials are first removed. Care should be taken when excavating near the existing wall to the north, to avoid undermining the existing foundations. If foundations are disturbed, damage to the existing structure may occur. The top of the excavation slope should be a minimum of five (5) feet from the existing structure.

The overexcavated surface under the areas to be filled shall be scarified to a minimum depth of eight (8) inches, moisture conditioned to optimum moisture content (+/- 2%), and compacted to a minimum of 95% of maximum density as determined by ASTM D-1557 with a minimum of twenty (20) passes of a heavy *static* roller.

No brush, sod, frozen material, or other perishable or unsuitable material shall be placed in the fill. Distribution of material shall be such as to avoid lenses differing substantially from the surrounding material. The material shall be delivered to the fill in such a manner as to result in a well and uniformly compacted fill.

Before compacting, the fill material shall be spread in approximately horizontal layers not greater than eight (8) inches thick. The contractor is to adhere to all earthwork specifications noted on sheet 4.k

ENGINEER'S SEAL 3-16-87		REVISIONS DESIGN DATE 3/87 DATE 3/87 DATE 3/87	
AS-BUILT INFORMATION CONTRACTOR: J.R. Hale Contracting Co., Inc. WORK STARTED BY: BHI DATE: 5/87 INSPECTORS: BHI DATE: 5/87 FIELD ENGINEER: BHI DATE: 9/87 VERIFICATION BY: BHI DATE: 10/87 CORRECTED BY: BHI DATE: 10/87		MICRO-FILM INFORMATION RECORDED BY: NO. DATE: NO.	
BENCH MARKS STATION IS LOCATED APPROXIMATELY 140 FT. WEST OF THE CENTER OF VENTURA ST., 20' NORTH OF THE SOUTH LINE OF SECTION 20, WHICH IS THE PUBLIC LINE OF THE PARK ADJACENT TO THE PUBLIC SERVICE COMPANY EASEMENT. THE STATION IS A STANDARD ACES BRASS CAP SET IN TOP OF A CONCRETE POST FLUSH WITH GROUND AND STAMPED "3 D20, 1976" ELEV=5544.94		SURVEY INFORMATION FIELD NOTES NO. BY DATE	

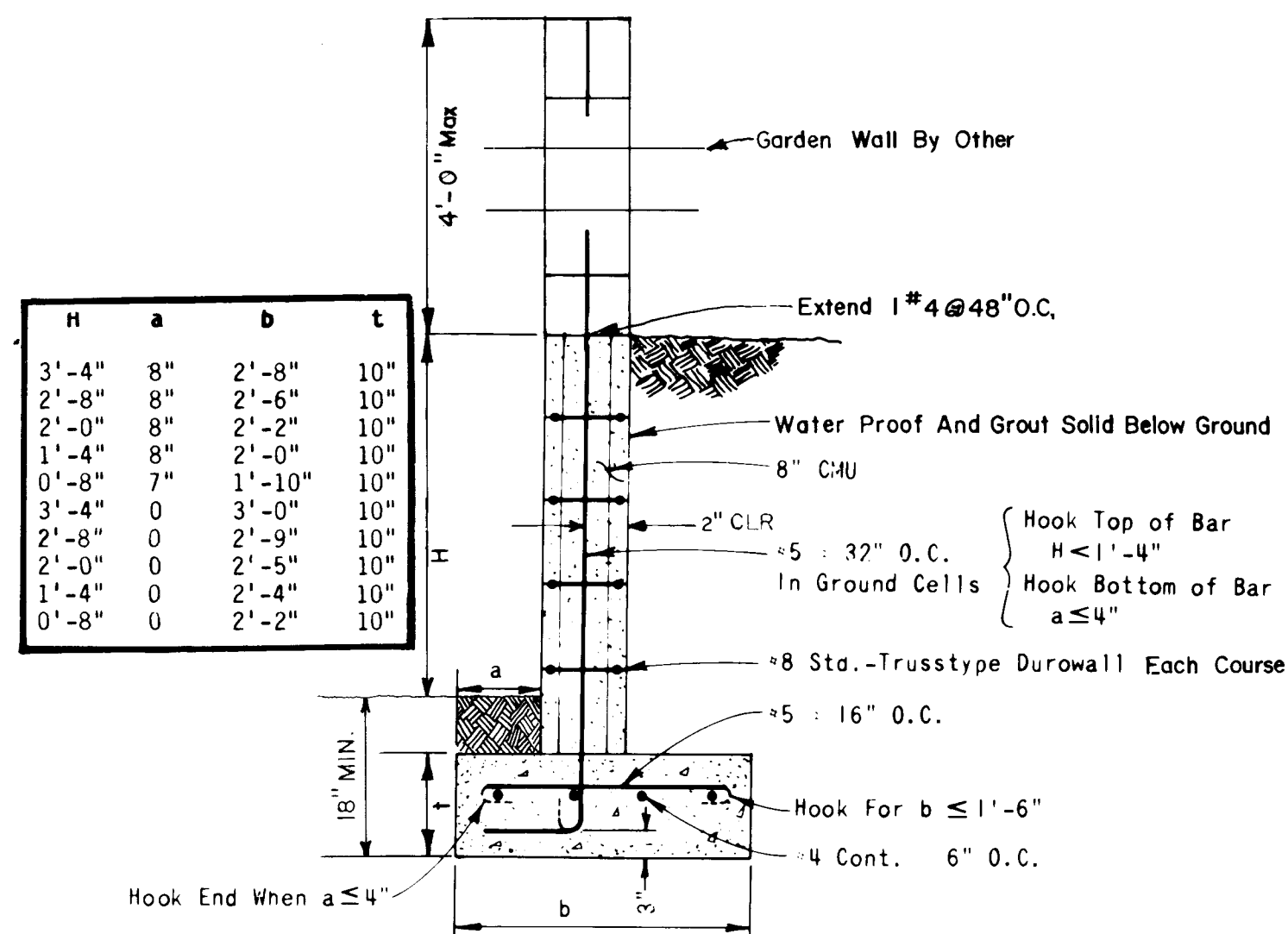


RECORD DRAWINGS
DATE 10/6/77
APPROVED FOR ROUGH GRADING ±1'
DATE 1-1-87
HYDROLOGY ENGINEER

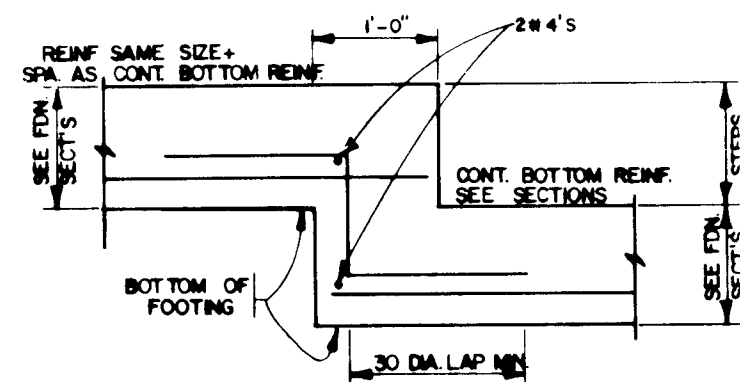
CITY OF ALBUQUERQUE PUBLIC WORKS ENGINEERING			
TITLE: CYPRESS POINT AT TANOAN SOILS STABILIZATION DETAILS			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer	3/21/87	3-20-87	Liquid Waste
A.C.E. - Design	3-24-87	3-20-87	Traffic
A.C.E. - Hydrology	3-22-87	3-20-87	Water
DRAWING NO. 3159		MAP NO. E-20	
SHEET 4A		OF 12	

1 2 3 4 5 6 7 8 9 10 11 12
26 315904871

FOR INFORMATION ONLY

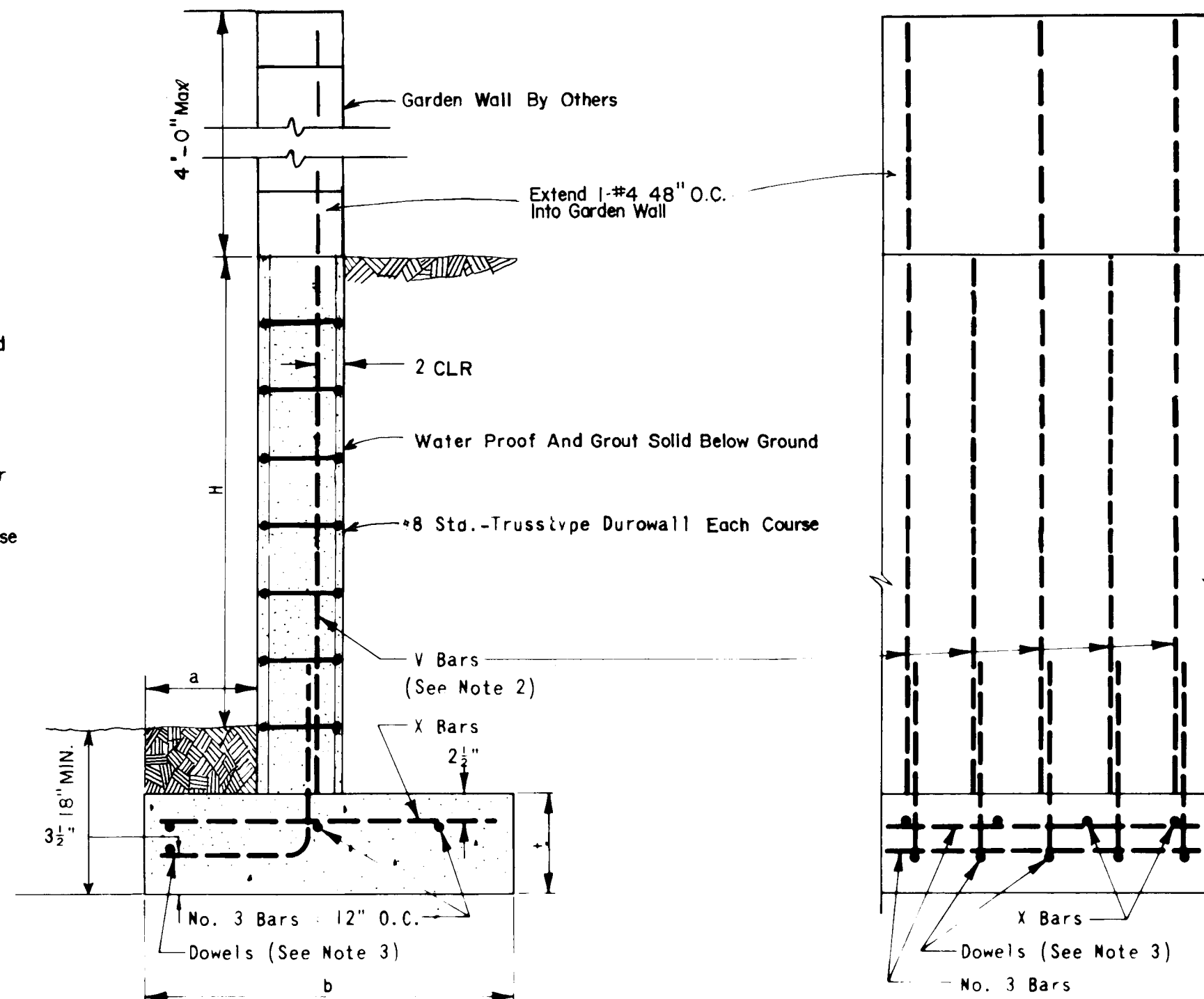


WALL #1
REINFORCED CONCRETE MASONRY WALL
0 to 3'-4"



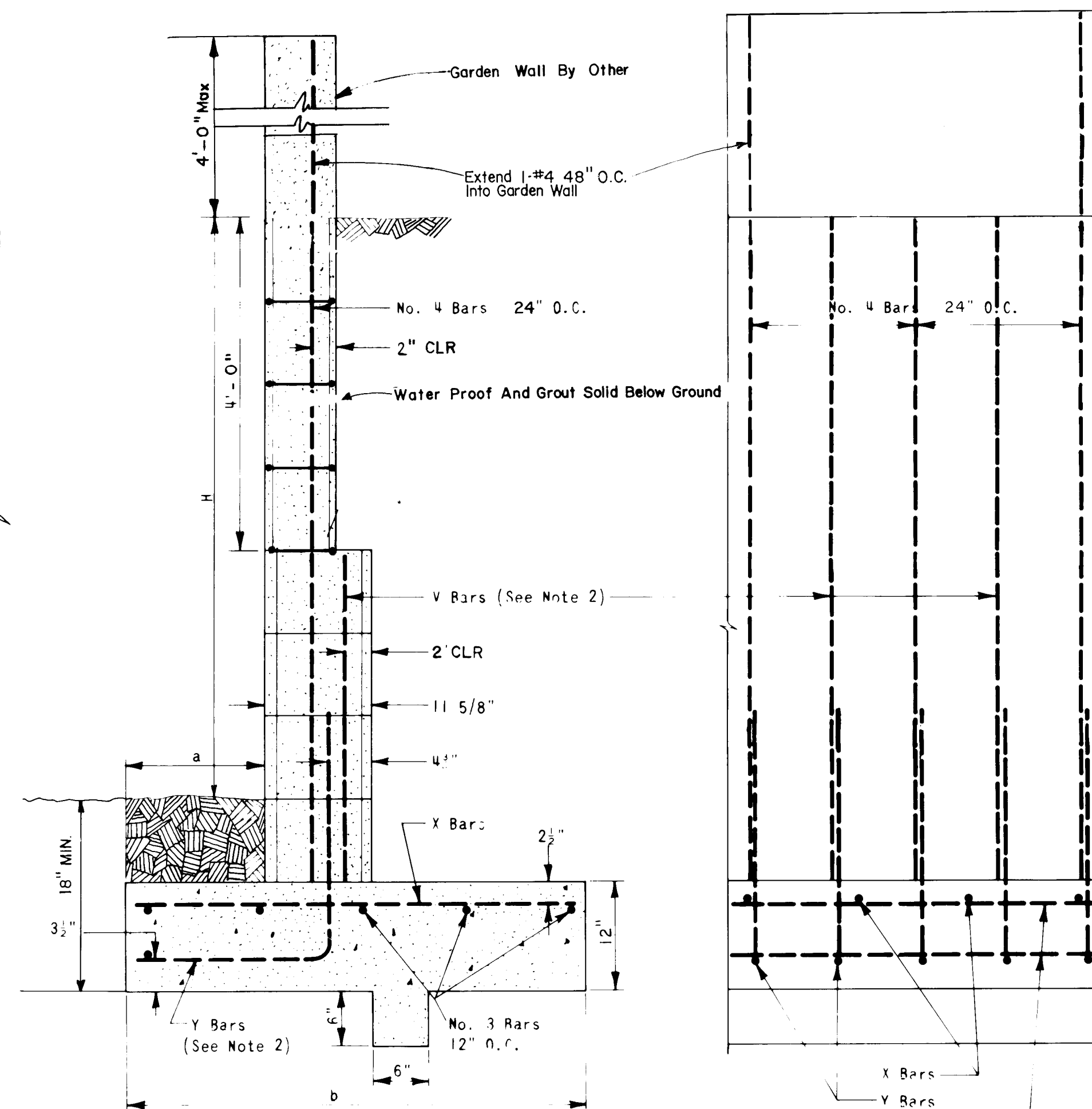
TYPICAL STEPPED FOOTING DETAIL

COPYRIGHT © 1986, BOHANNAN-HUSTON, INC. These documents are instruments of service and remain the property of the Engineer. No use or reuse of the documents shall be permitted unless authorized in writing by Bohannan-Huston, Inc. with proper compensation.



CROSS SECTION **ELEVATION**

WALL #2
REINFORCED CONCRETE MASONRY WALLS
3'-4" to 6'-0"

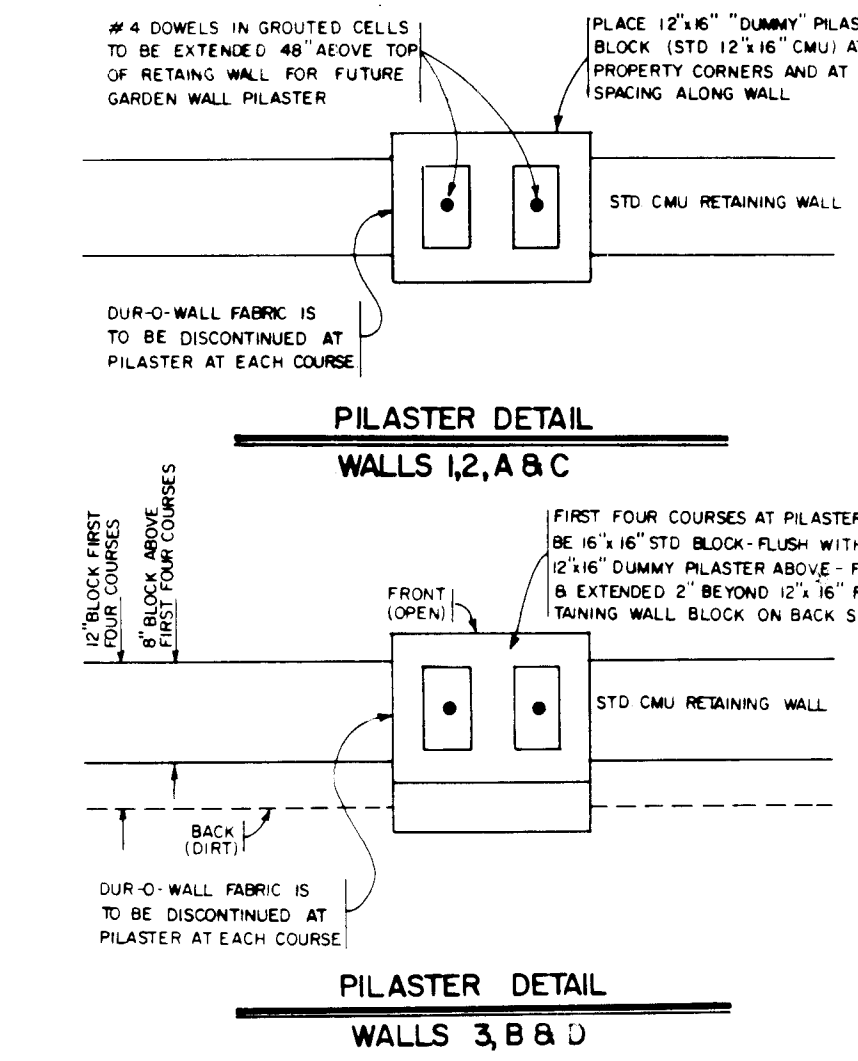
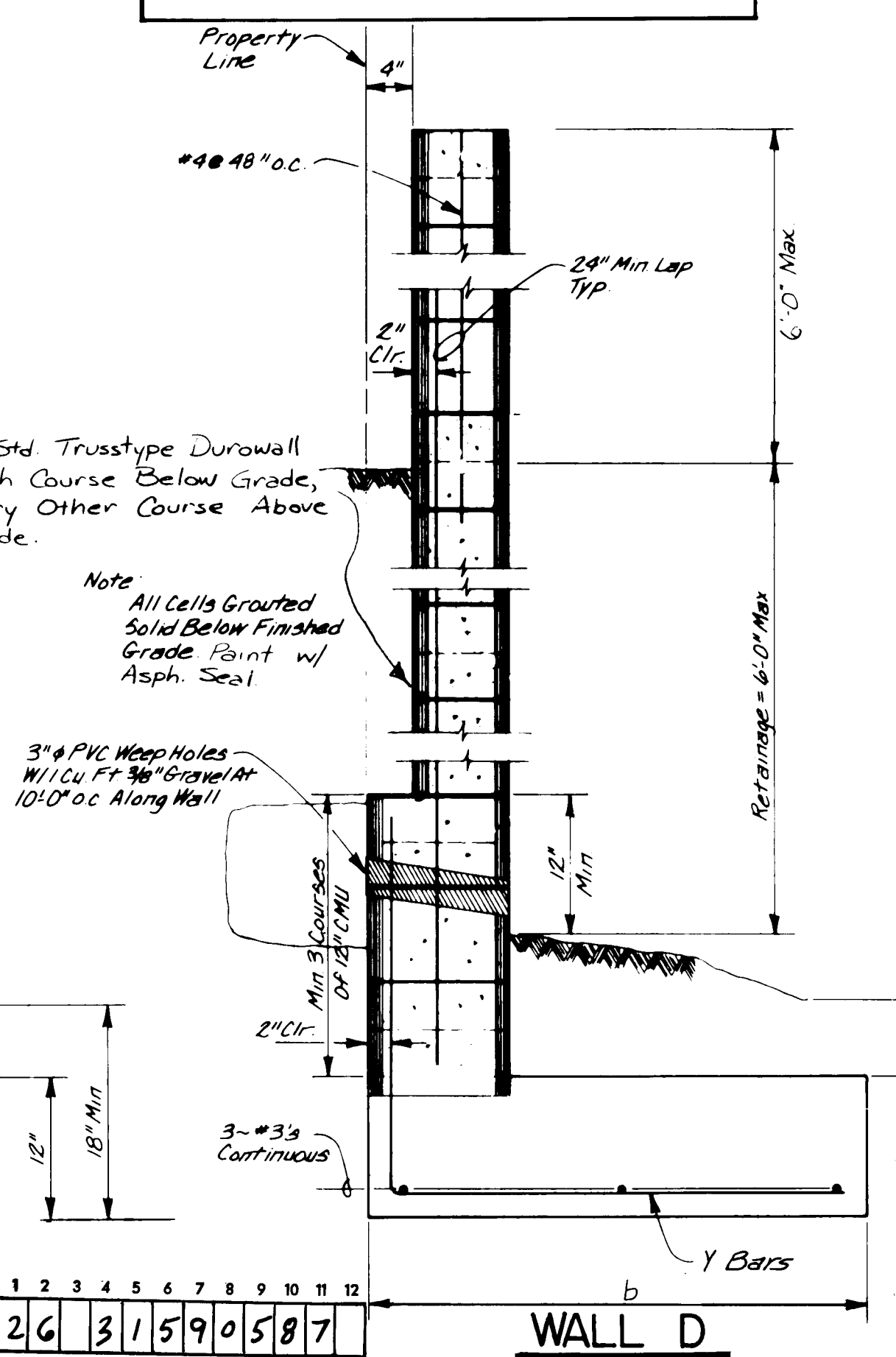
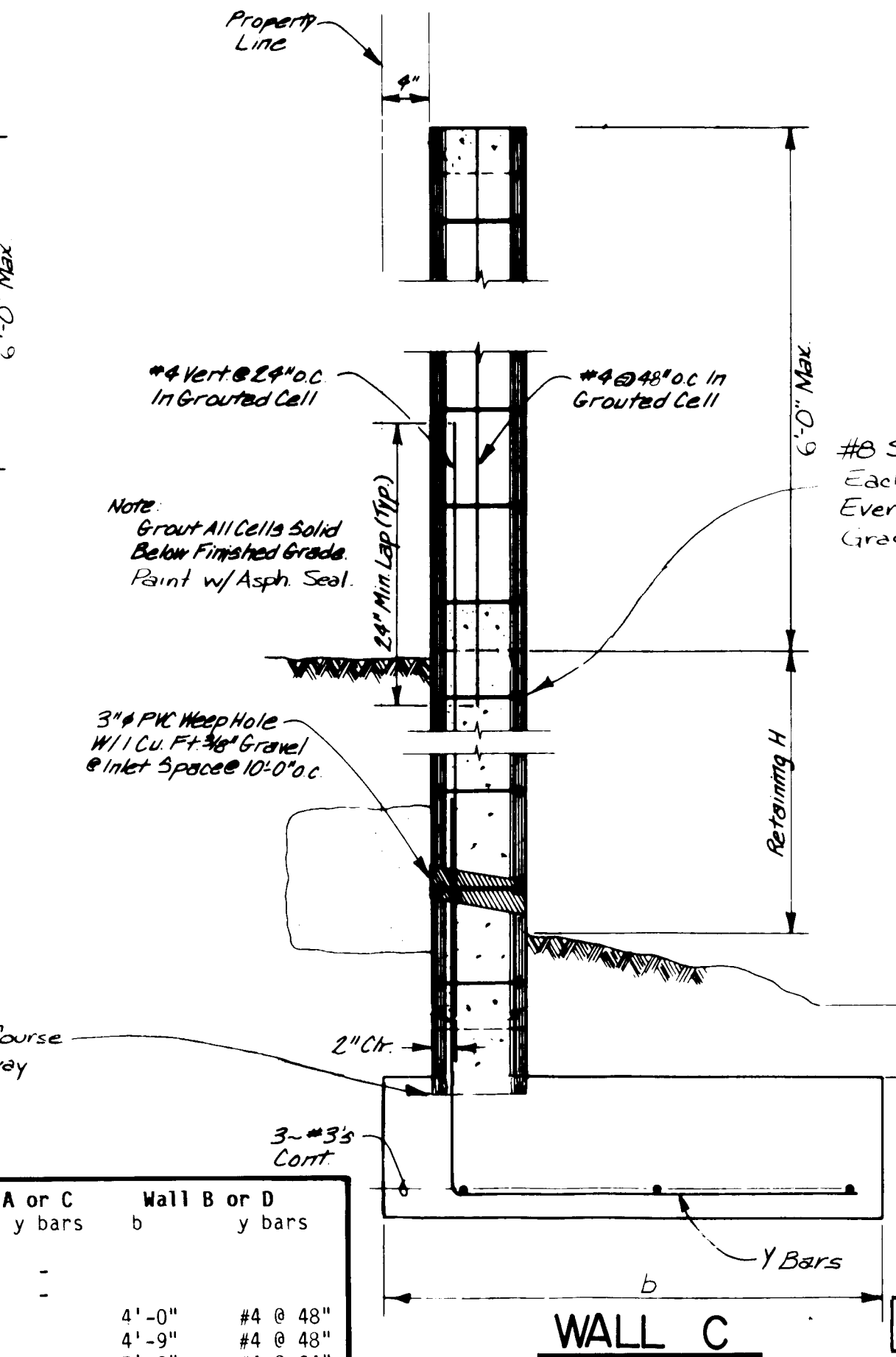
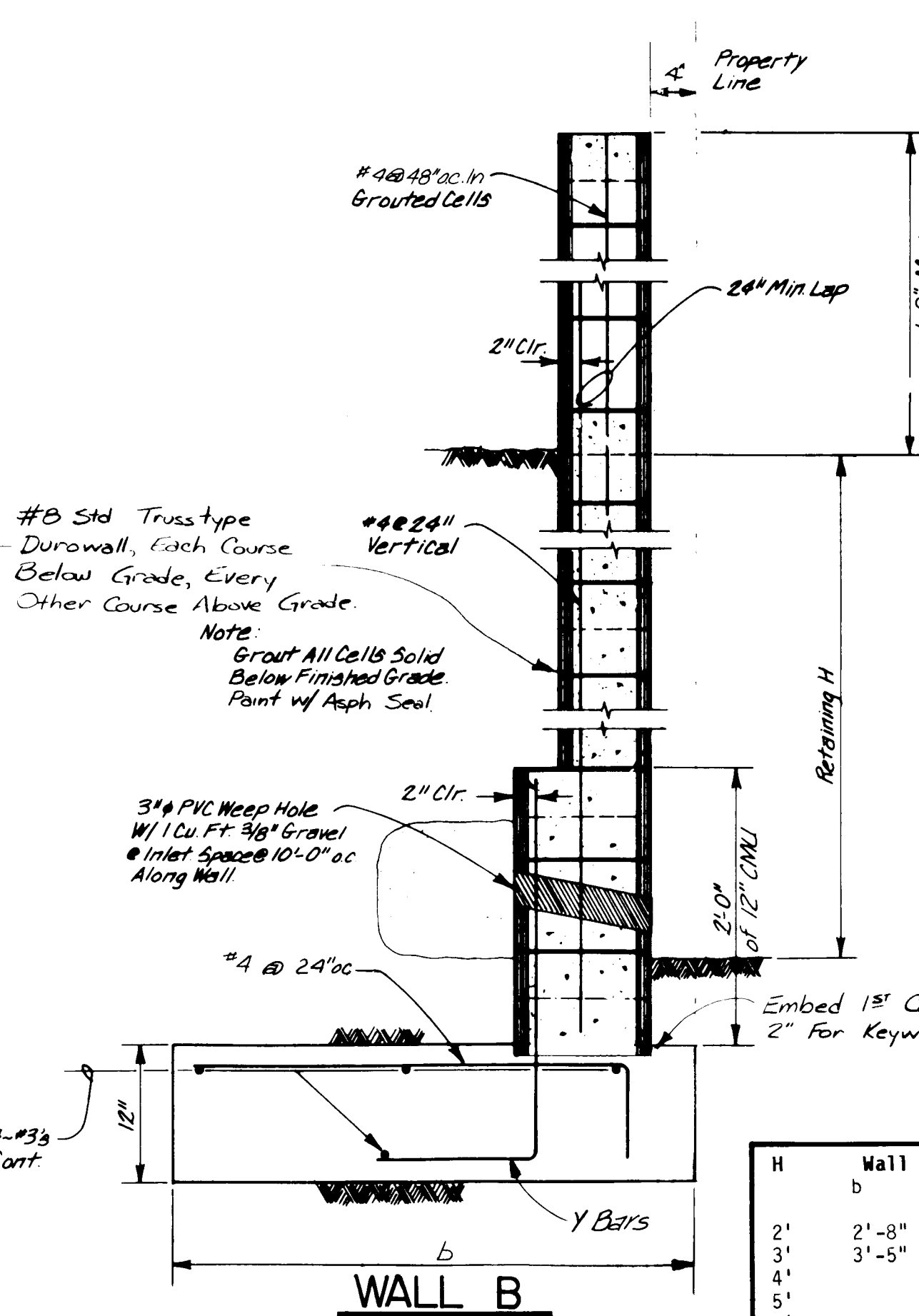
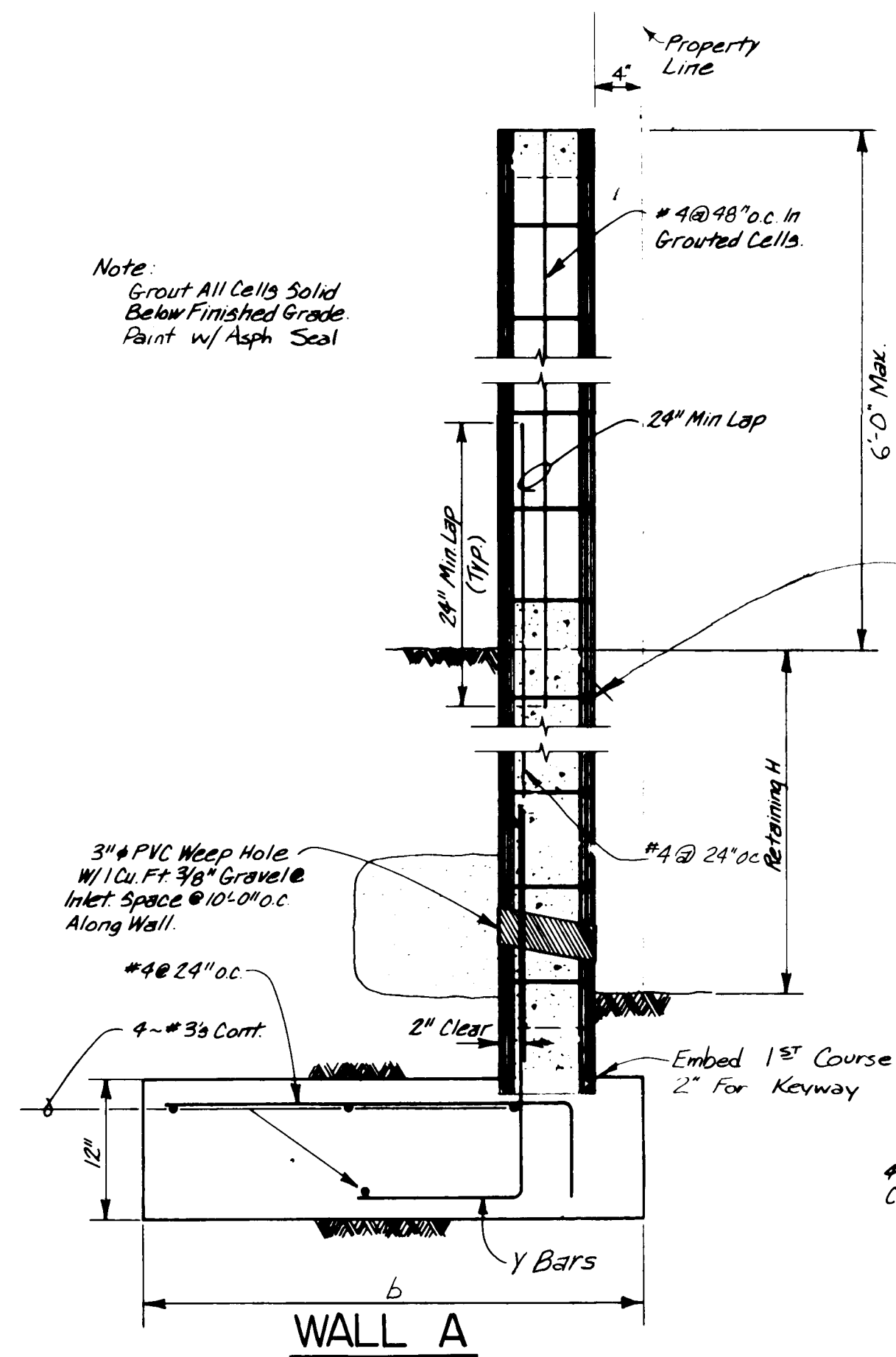


CROSS SECTION **ELEVATION**
WALL #3
REINFORCED CONCRETE MASONRY - 8" & 12" WALLS

GENERAL NOTES

- Retaining wall footings shall be placed on a minimum of 2'-0" of engineered fill extending a minimum of 2'-0" from the edge of the footing and compacted to a minimum of 95% optimum density (ASTM D-1557). Backfill shall be free draining material and shall be placed in 8" loose lifts and compacted to 90% optimum density (ASTM D-1557) with light vibratory compacting equipment.
- Retaining wall shall not be back-filled until at least 7 days after placing of final grout level. Where heavy equipment is used in back-filling walls designed to resist earth pressure only, such equipment should not approach closer to the top of the wall than a distance equal to the height of the wall. Care should be taken to avoid exerting large impact forces on the wall as could be caused by a large mass of moving earth. All walls are designed for level backfill only. Slopes up away from walls should not exceed 10:1.
- Vertical control joints with PVC inserts shall be placed at intervals not to exceed 30'-0" on center. Pilasters may be substituted for control joints when placed at 12'-0" intervals. Discontinue durowall each side of pilasters.
- Minimum lap splice on reinforcing bars shall be 30 bar diameters or 1'-6" minimum. Reinforcement of a size and spacing other than that given in the tables may be used providing such other reinforcement furnishes an area of steel area at least equal to that given in the table.
- Construction of retaining walls shall conform to requirements of the Uniform Building Code Section 24, lowlift grouting method.
- Omission of a vertical mortar joint on first course at 48" O.C. may be substituted for PVC weep holes. White slump block with a minimum compressive strength of 1500 psi may be substituted for standard CMU Grade N.
- DESIGN DATA:
Block Weight 12" = 130 psf.
Block Weight 8" = 85 psf.
Soil Weight = 130 pcf.
Equiv. Fluid Pressure = 43 pcf.
Soil Bearing Pressure = 1500 psf.
1/3 Increase for Wind/Seismic
Coefficient of Friction = 0.4
Passive Soil Pressure = 390 pcf.
Concrete f'c (28 days) = 3000 psi
Grout Strength = 2000 psi
CMU Grade N = 1500 psi (Grouted)
Reinforcement = 60 psi ASTM A-615.

THIS SHEET FOR INFORMATION ONLY. A SEPARATE BUILDING PERMIT IS REQUIRED FOR RETAINING WALL CONSTRUCTION.



ENGINEER'S SEAL

REVISIONS

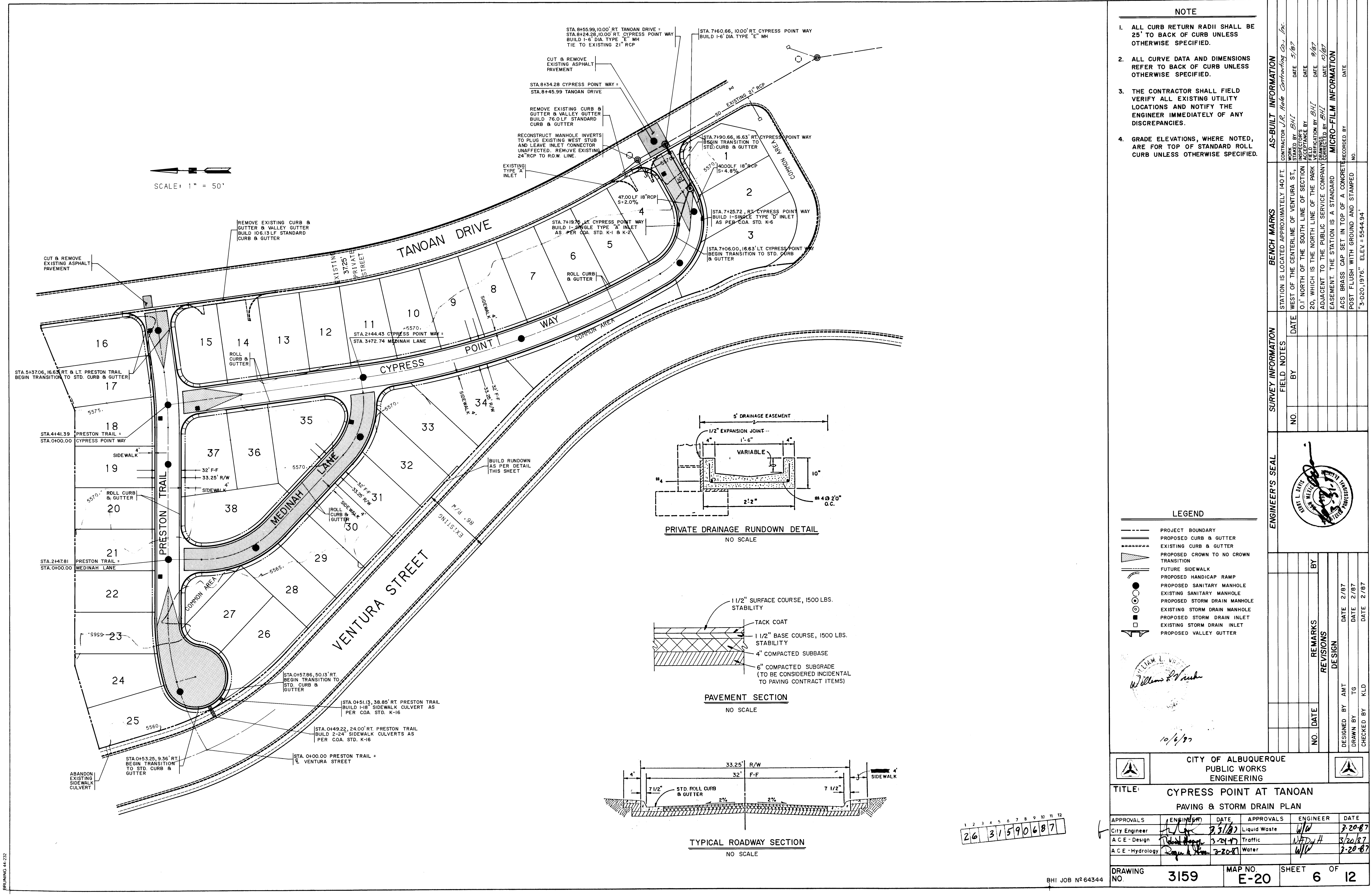
NO.	DATE	DESIGNED BY	DRAWN BY	CHECKED BY
1	10/7/77	WILLIAM L. VETTER		

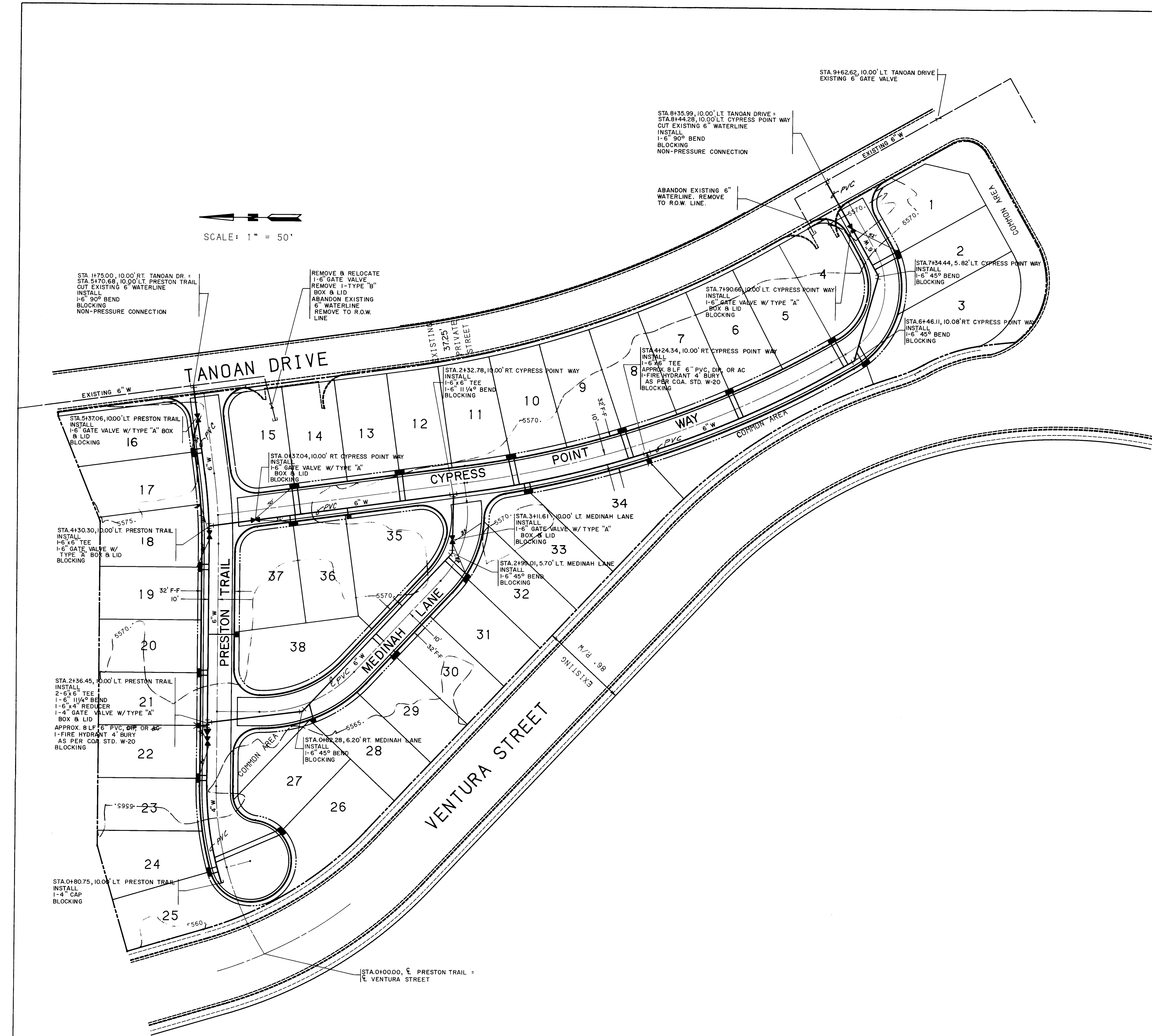
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: CYPRESS POINT AT TANOAN
RETAINING WALL DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chairperson	WJH	3/3/87	Parks & Rec. Dept.		
Trans. Dev.			User Dept.	JA-DWH	3/20/97
Utility Dev.	WJH	3-20-87	User Dept.		

DRAWING NO. 3159 **MAP NO. E-20** **SHEET 5 OF 12**





SCALE: 1" = 50'

NOTE
I. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

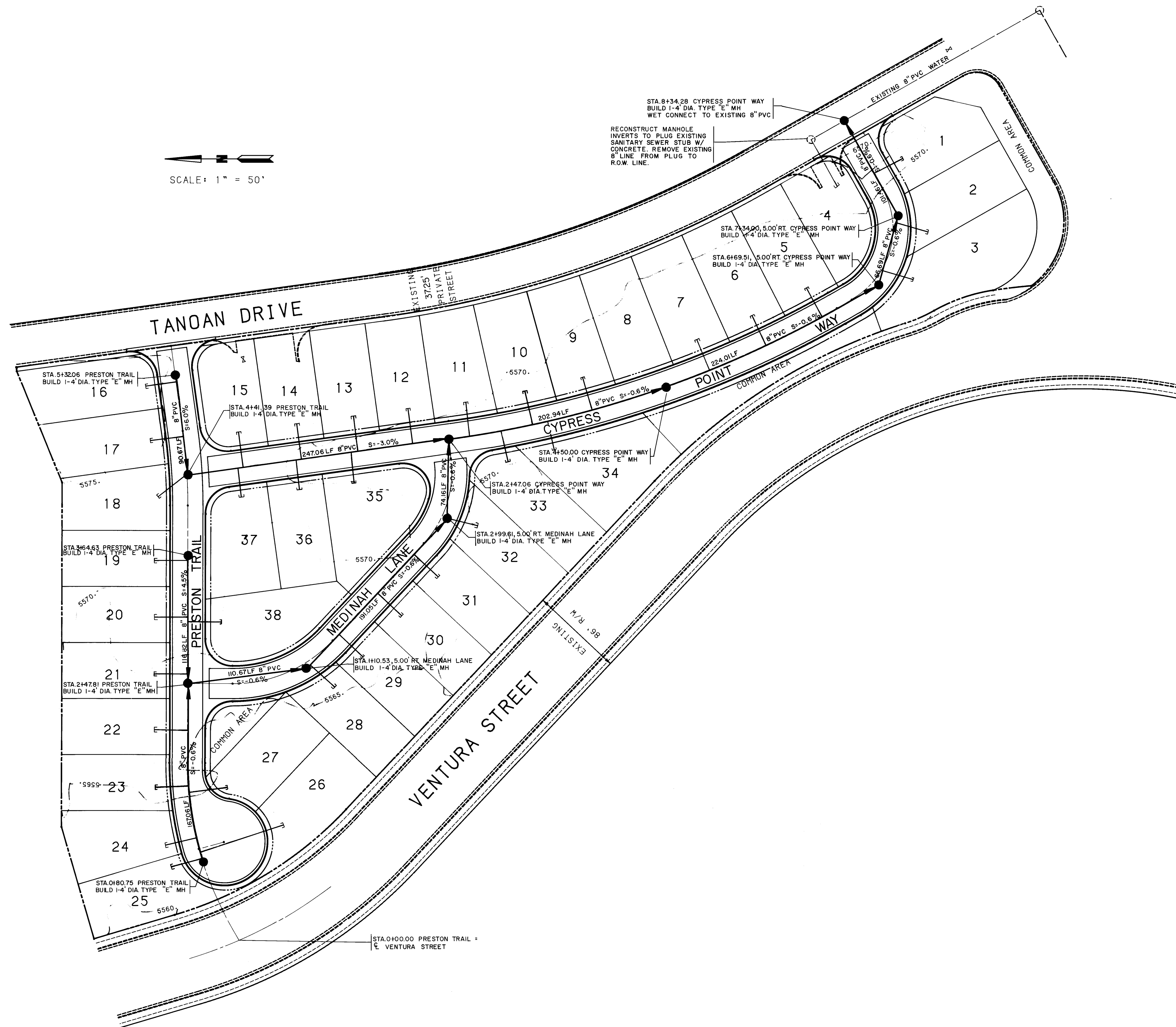
- LEGEND
- PROJECT BOUNDARY
 - EXISTING CURB & GUTTER
 - PROPOSED CURB & GUTTER
 - EXISTING WATER LINE
 - PROPOSED WATER LINE
 - PROPOSED FIRE HYDRANT
 - PROPOSED GATE VALVE
 - DOUBLE WATER SERVICE CONNECTION
 - SINGLE WATER SERVICE CONNECTION
 - PROPOSED CAP

William L. Wende

FLOOD DRAWINGS
10/6/87

1 2 3 4 5 6 7 8 9 10 11 12
26 31 5 9 10 7 8 7

CITY OF ALBUQUERQUE PUBLIC WORKS ENGINEERING					
TITLE: CYPRESS POINT AT TANOAN WATER DISTRIBUTION PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	3/31/87	Liquid Waste	<i>[Signature]</i>	3-20-87
A.C.E. - Design	<i>[Signature]</i>	3-24-87	Traffic	<i>[Signature]</i>	3/20/87
A.C.E. - Hydr.	<i>[Signature]</i>	3-20-87	Water	<i>[Signature]</i>	3-20-87
DRAWING NO.	3159	MAP NO.	E-20	SHEET	7 OF 12



1 2 3 4 5 6 7 8 9 10 11 12
26 31 59 08 87

BHI JOB N° 64344

NOTE

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	J.R. Hale Contracting Co., Inc.	STATION IS LOCATED APPROXIMATELY 140 FT. WEST OF THE CENTERLINE OF VENTURA ST., 0.1' NORTH OF THE SOUTH LINE OF THE PARK ADJACENT TO THE PUBLIC SERVICE COMPANY EASEMENT THE STATION IS A STANDARD ACS BRASS CAP SET IN TOP OF A CONCRETE POST FLUSH WITH GROUND AND STAMPED "3-D20,1976" ELEV.= 5544.94		NO.	BY	NO.	DATE
WORK STAKED BY	BHI						
DATE	5/87						
FIELD VERIFICATION BY	BHI						
DATE	9/87						
FIELD VERIFICATION BY	BHI						
DATE	10/87						
RECORDED BY							
DATE							
NO.							



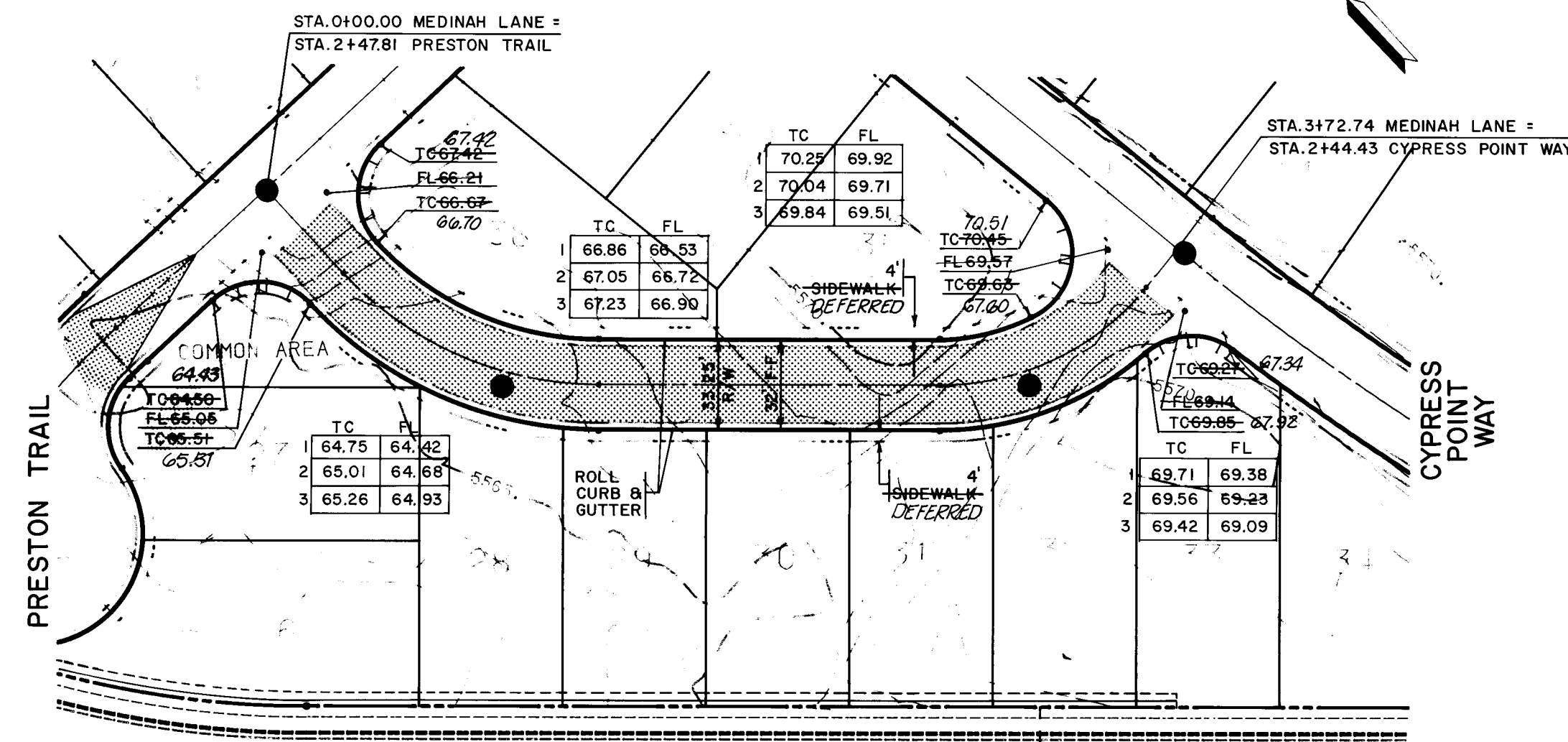
CITY OF ALBUQUERQUE
PUBLIC WORKS
ENGINEERING

TITLE: CYPRESS POINT AT TANOAN
SANITARY SEWER PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	William L. Vreeland	3/20/87	Liquid Waste	William L. Vreeland	3/20/87
A.C.E. - Design	William L. Vreeland	3-24-87	Traffic	William L. Vreeland	3/20/87
A.C.E. - Hydrology	William L. Vreeland	3-20-87	Water	William L. Vreeland	3-20-87

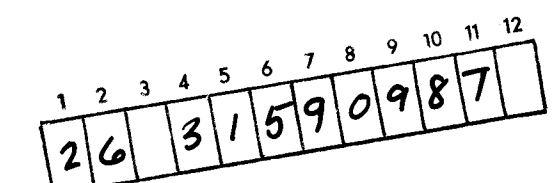
DRAWING NO.	3159	MAP NO.	E-20	SHEET	8	OF	12
-------------	------	---------	------	-------	---	----	----

DT CTA 34E4 71



AS BUILT INFORMATION	
CONTRACTOR-JR Hale Contracting Co., Inc.	
WORK ORDER NO.	DATE 5/8/88
CLIENT NAME	DATE 9/8/88
PROJECT NAME	DATE 10/8/88
A-ACCEPTANCE BY	DATE
FIELD	DATE
CERTIFICATION BY BHZ	DATE
CORRECTED BY BHZ	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO	

MEDINAH LANE



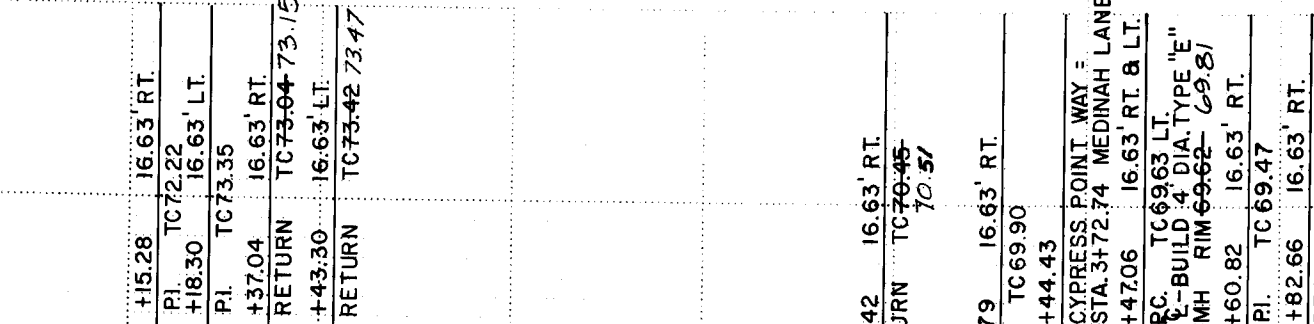
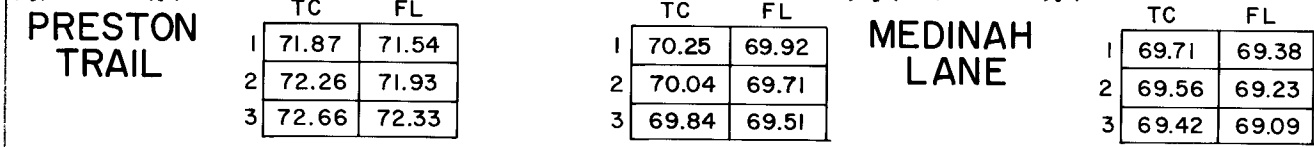
William IV made

10/6/87

TITLE: CYPRESS POINT AT TANOAN
PAVING PLAN & PROFILE
PRESTON TRAIL / MEDINAH LANE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	3/3/87	Liquid Waste	W/W	3-20-87
A.C.E - Design	<i>[Signature]</i>	3-24-87	Traffic	N/A DW/H	3/20/87
A.C.E - Hydrology	N/A RAG	3-20-87	Water	W/W	3-20-87

SCALE: 1" = 50' (HORIZ.) 1" = 5' (VERT.)	DRAWING NO. 3159	MAP NO. E-20	SHEET 9 OF 12
---	------------------	--------------	---------------



CURVE DATA	
$\Delta = 21^\circ 45' 25''$	$\Delta = 90^\circ 00' 00''$
$R = 1000.00'$	$R = 75.00'$
$L = 379.73'$	$L = 117.81'$
$T = 192.18'$	$T = 75.00'$

NOTE

1. ALL CURB RETURN RADII SHALL BE 25' TO BACK OF CURB UNLESS OTHERWISE SPECIFIED.
2. ALL CURVE DATA AND DIMENSIONS REFER TO BACK OF CURB UNLESS OTHERWISE SPECIFIED.
3. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
4. GRADE ELEVATIONS, WHERE NOTED, ARE FOR TOP OF STANDARD ROLL CURB UNLESS OTHERWISE SPECIFIED.

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
FIELD NOTES		STATION IS LOCATED APPROXIMATELY 140 FT. WEST OF THE CENTERLINE OF VENTURA ST., 0.1 NORTH OF THE SOUTH LINE OF SECTION 20, WHICH IS THE NORTH LINE OF THE PARK ADJACENT TO THE PULPIC SERVICE COMPANY EASEMENT.		CONTRACTOR, THE J.R. Hale Contracting Co., Inc.	
NO.	BY	DATE		DATE	
			THE STATION IS A STANDARD ACS BRASS CAP SET IN TOP OF A CONCRETE POST FLUSH WITH GROUND AND STAMPED "3-D20,1976."	FIELD PLANT BY INSPECTOR'S	DATE 5/87
				RECALCULATION BY BHI	DATE 9/87
				CORRECTED BY BHI	DATE 9/87
				MICRO-FILM INFORMATION	
				RECORDED BY	DATE
				NO	
			ELEV. = 5544.94		

Professional Engineer's Seal for Terry L. Darr, State of Maryland, No. 1884, Mechanical Engineering.

[illegible]

1	2	3	4	5	6	7	8	9	10	11	12
2	6		3	1	5	9	1	0	8	7	

William P. Winkler

10/6/81

CITY OF ALBUQUERQUE
PUBLIC WORKS
ENGINEERING

TITLE: CYPRESS POINT AT TANOAN
PAVING PLAN & PROFILE
CYPRESS POINT WAY

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	3/31/87	Liquid Waste	<i>[Signature]</i>	3-20-87
C.E.-Design	<i>[Signature]</i>	7-24-87	Traffic	N.F.D. H	3/20/87
C.E.-Hydrology	N.A. RAL	3-20-87	Water	<i>[Signature]</i>	3-20-87

SCALE: 1" = 50' (HORIZ.) 1" = 5' (VERT.)	DRAWING NO. 3159	MAP NO. E-20	SHEET 10 OF 12
---	------------------	--------------	----------------



BHI JOB N° 64344

SHEET 10 OF 12

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	3/31/87	Liquid Waste	<i>[Signature]</i>	3-20
A C E - Design	<i>[Signature]</i>	3-24-87	Traffic	<i>[Signature]</i>	3/20
A C E - Hydrology	N/A	3-20-87	Water	<i>[Signature]</i>	3-20

DRAWING NO.	3/59	MAP NO.	E-20	SHEET	10	OF	12
-------------	------	---------	------	-------	----	----	----

1. ALL CURB RETURN RADII SHALL BE 25' TO BACK OF CURB UNLESS OTHERWISE SPECIFIED.
2. ALL CURVE DATA AND DIMENSIONS REFER TO BACK OF CURB UNLESS OTHERWISE SPECIFIED.
3. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
4. GRADE ELEVATIONS, WHERE NOTED, ARE FOR TOP OF STANDARD ROLL CURB UNLESS OTHERWISE SPECIFIED.

STATION IS LOCATED APPROXIMATELY 140 FT. WEST OF THE CENTERLINE OF VENTURA ST., 0.1 NORTH OF THE SOUTH LINE OF SECTION 20, WHICH IS THE NORTH LINE OF THE PARK ADJACENT TO THE PUBLIC SERVICE COMPANY EASEMENT.	BENCH MARKS
THE STATION IS A STANDARD ACS BRASS CAP SET IN TOP OF A CONCRETE POST FLUSH WITH GROUND AND STAMPED "3-020/1976."	
ELEV. = 554.4 0.4	

[illegible][illegible]

CITY OF ALBUQUERQUE
PUBLIC WORKS
ENGINEERING



SANITARY SEWER CURVE DATA

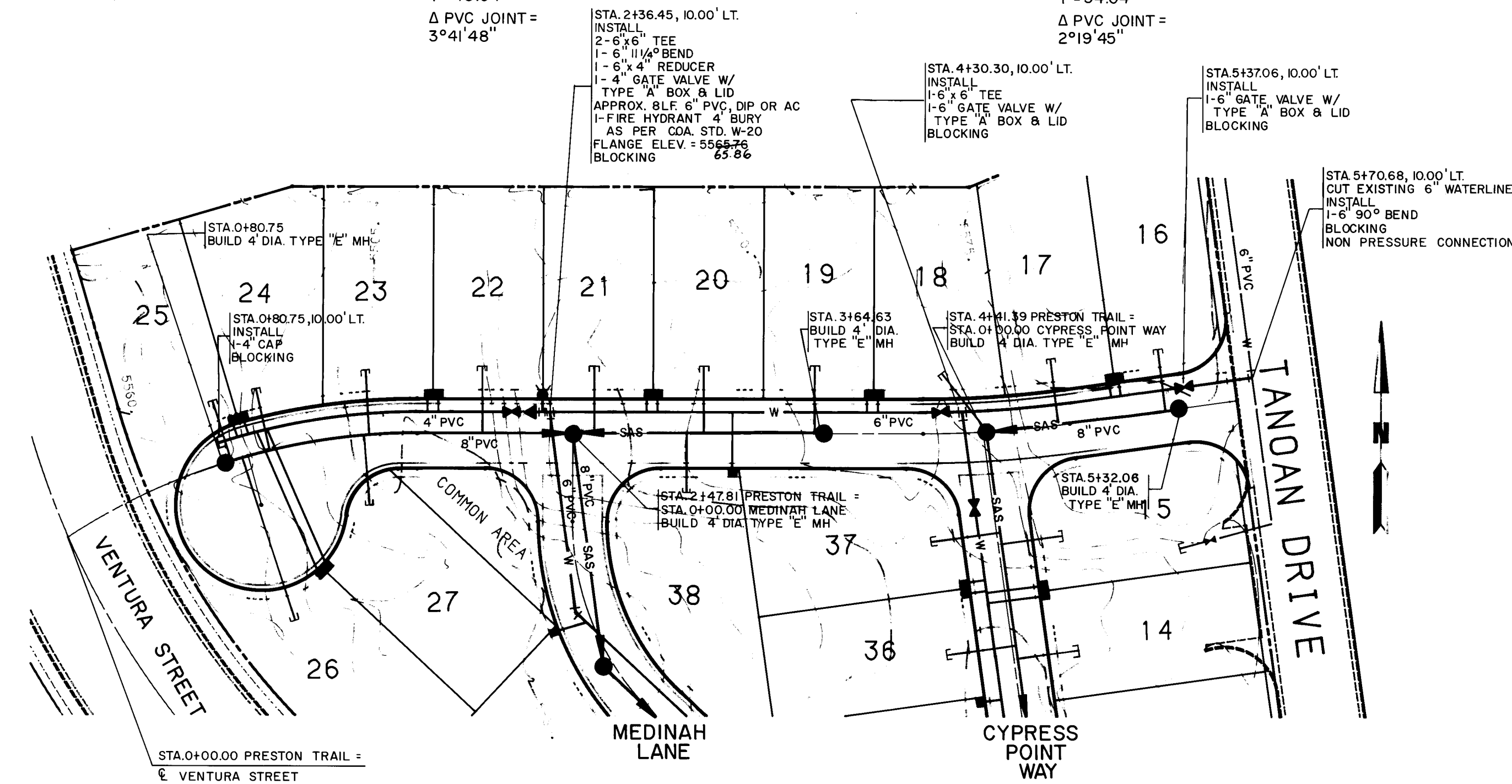
Δ=17°50'10"
R=300.00'
L=93.39'
T=47.08'

WATERLINE CURVE DATA

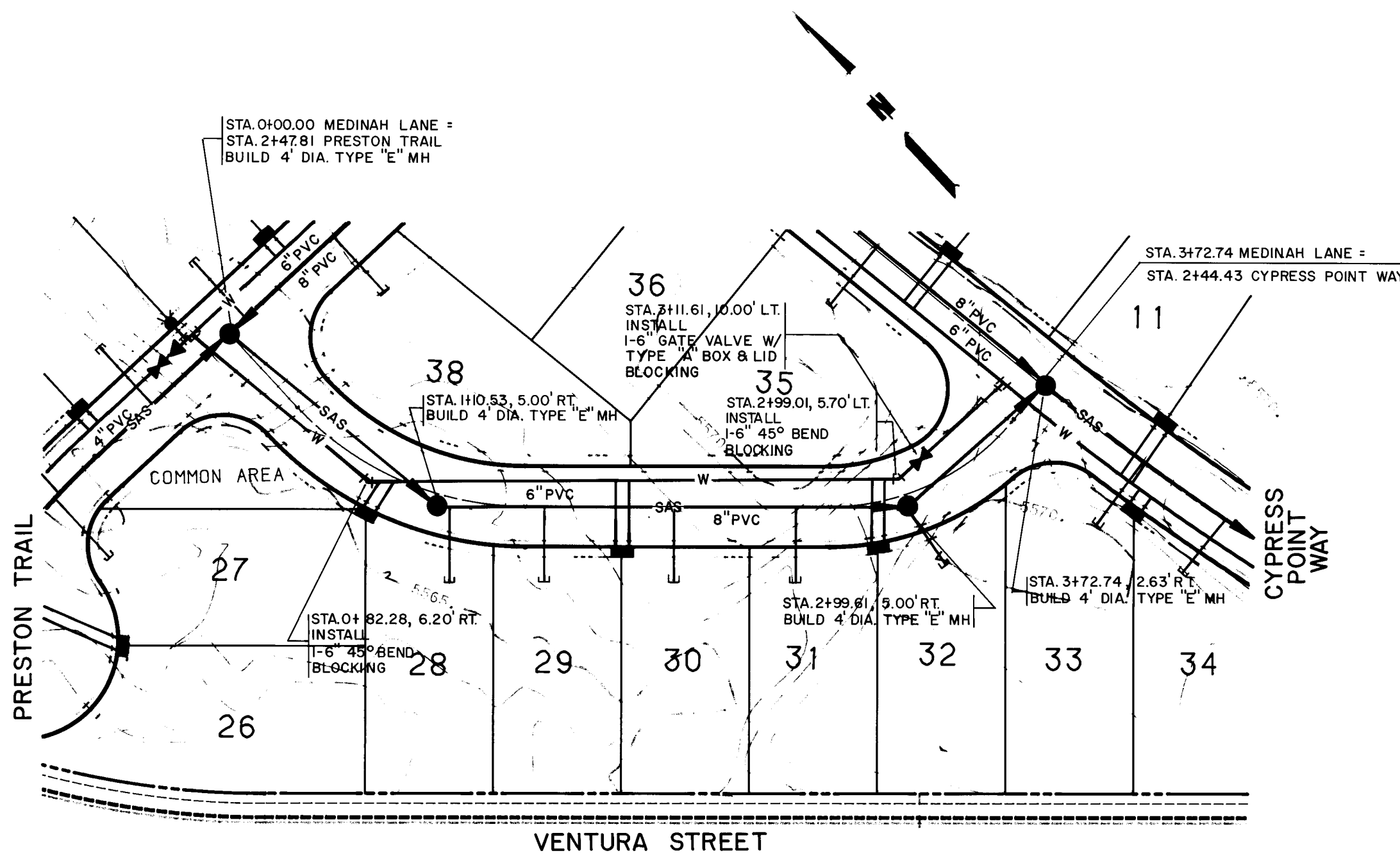
Δ=17°50'10"
R=310.00'
L=96.50'
T=48.64'
Δ PVC JOINT=3°41'48"

WATERLINE CURVE DATA

Δ=7°54'59"
R=492.00'
L=67.98'
T=34.04'
Δ PVC JOINT=2°19'45"



PRESTON TRAIL



MEDINAH LANE

NOTE

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

WATER & SEWER SERVICES					
LOT	WL STATION	WL TYPE	SAS STATION	SAS LENGTH	INV. AT PLUG
16	5+06.06 LT.	DOUBLE	5+27.06 LT.	30'	68.36 *
17	5+06.06 LT.	DOUBLE	4+76.06 LT.	30'	67.86 *
18	3+89.63 LT.	DOUBLE	4+23.07 LT.	30'	66.10 *
19	3+89.63 LT.	DOUBLE	3+59.63 LT.	30'	63.00 *
20	2+85.63 LT.	DOUBLE	3+07.63 LT.	30'	62.06 *
21	2+85.63 LT.	DOUBLE	2+55.63 LT.	30'	60.23 *
22	1+81.63 LT.	DOUBLE	2+03.63 LT.	30'	58.41 *
23	1+81.63 LT.	DOUBLE	1+51.63 LT.	30'	56.59 *

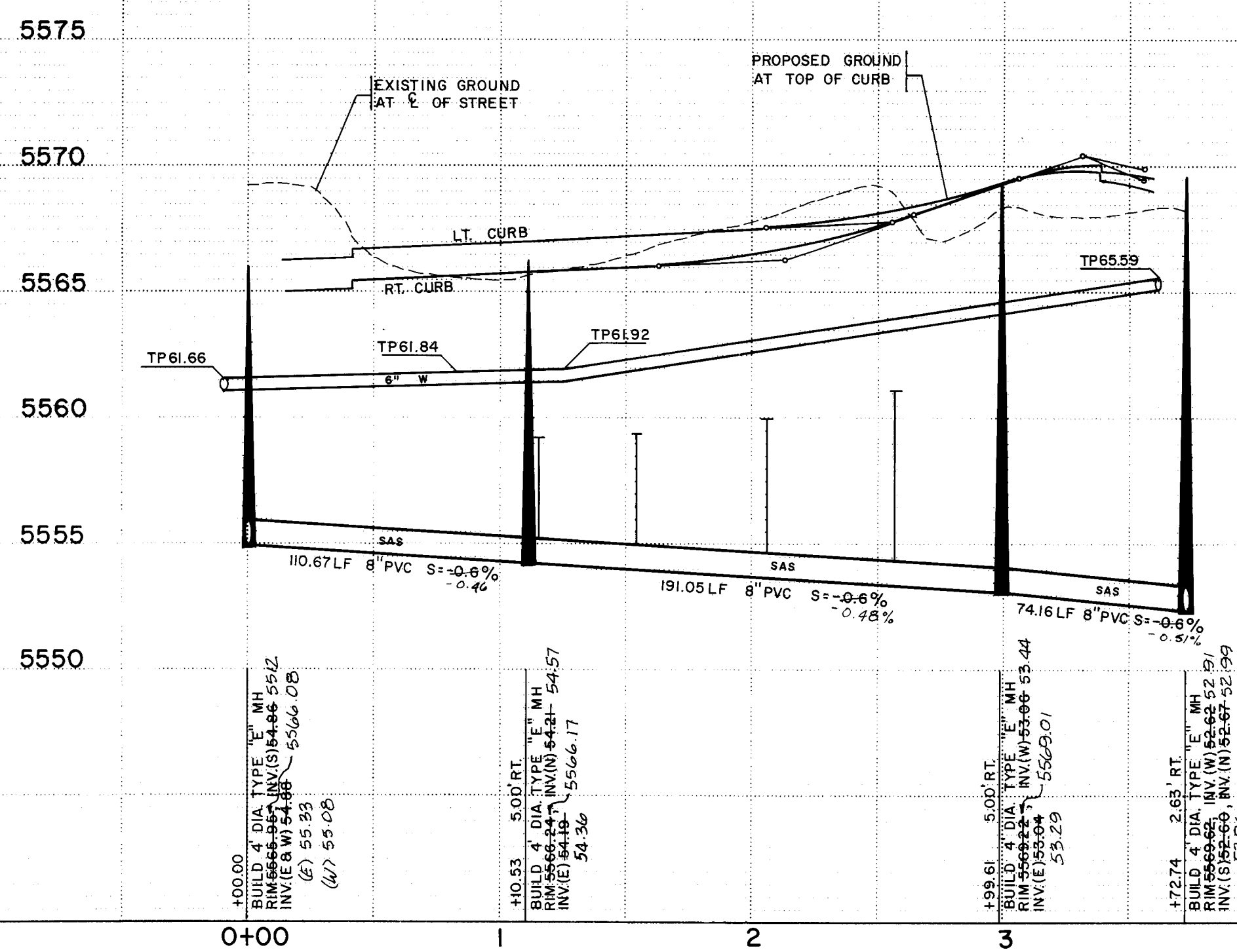
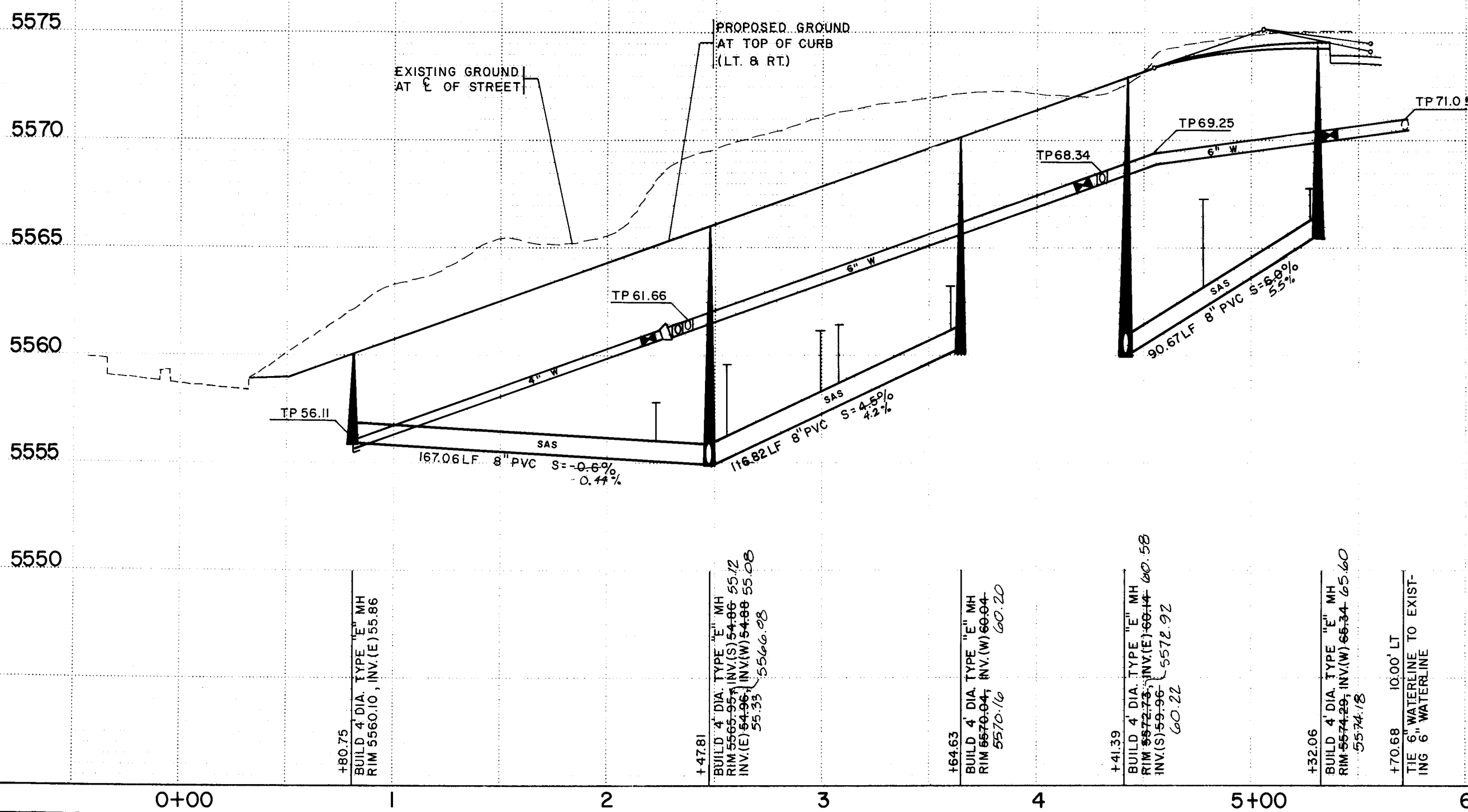
* INSTALL SEWER RISER AS PER COA. STD. DETAIL S-8

WATER & SEWER SERVICES					
LOT	WL STATION	WL TYPE	SAS STATION	SAS LENGTH	INV. AT PLUG
24	0+93.42 LT.	DOUBLE	1+01.83 LT.	30'	68.36 *
25	0+93.42 LT.	DOUBLE	0+83.42 LT.	30'	66.46 *
26	1+17.63 RT.	DOUBLE	1+07.63 RT.	80'	67.31 *
27	3+26.05 RT.	SINGLE	1+48.63 RT.	35'	66.60 *
38	3+26.05 RT.	SINGLE	2+99.43 RT.	30'	61.77 *

* INSTALL SEWER RISER AS PER COA. STD. DETAIL S-8

WATER & SEWER SERVICES					
LOT	WL STATION	WL TYPE	SAS STATION	SAS LENGTH	INV. AT PLUG
28	0+86.13 RT.	SINGLE	1+15.53 RT.	30'	69.88 *
29	1+84.77 RT.	DOUBLE	1+54.77 RT.	30'	68.07 *
30	1+84.77 RT.	DOUBLE	2+06.77 RT.	30'	66.57 *
31	2+85.98 RT.	DOUBLE	2+55.98 RT.	30'	61.76 *
32	2+85.98 RT.	DOUBLE	3+05.30 RT.	30'	63.43 *

* INSTALL SEWER RISER AS PER COA. STD. DETAIL S-8



26 31591187

William E. Hinkle

10/6/87



**CITY OF ALBUQUERQUE
PUBLIC WORKS
ENGINEERING**

**TITLE: CYPRESS POINT AT TANOAN
UTILITY PLAN & PROFILE
PRESTON TRAIL / MEDINAH LANE**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	William E. Hinkle	3/31/87	Liquid Waste	William E. Hinkle	3-20-87
ACE-Design	William E. Hinkle	3-20-87	Traffic	William E. Hinkle	3-20-87
ACE-Hydrology	William E. Hinkle	3-20-87	Water	William E. Hinkle	3-20-87

DRAWING NO.	3159	MAP NO.	E-20	SHEET	11	OF	12
-------------	------	---------	------	-------	----	----	----

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

BHI JOB N° 64344

