CONSTRUCTION PLANS
FOR
ENCLAVE AT TANOAN
SUBDIVISION
(CHANGE ORDER # 1)
ALBUQUERQUE, NEW MEXICO

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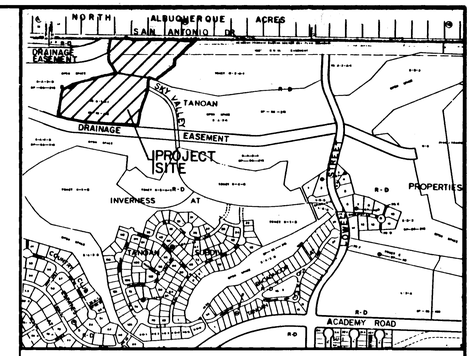
NOT IN THIS CONTRACT.

SCANNED BY
BY LASON



VICINITY MAP
NOT TO SCALE
E-22

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.
2. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
3. 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.
4. THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION 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 SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
5. 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.
6. 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 ENGINEER. 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.

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 EXCEPT WHERE HANDICAMP RAMPS ARE OMITTED.
- ☒ 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.

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
DATE 5/10/94

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
2 6 4 3 2 8 . 9 1 0 1 9 4

REV	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

APPROVAL OF REVISIONS

SURVEYOR'S CERTIFICATION

"I, Timothy Aldrich, a duly qualified Registered Professional Land Surveyor under the laws of the State of New Mexico, do hereby certify that the 'as-built' information shown on these drawings was obtained from field construction and 'as-built' surveys performed by me or under my supervision, that the 'as-built' information shown on these drawings was added by me or under my supervision and that this 'as-built' information is true and correct to the best of my knowledge and belief." Aldrich Land Surveying is not responsible for any of the design concepts, calculations, engineering, or intent of the record drawings.

TIMOTHY ALDRICH NEW MEXICO 7719 REGISTERED PROFESSIONAL LAND SURVEYOR

Timothy Aldrich, P.S. No. 7719 — Date 11-5-93

BOHANNAN HUSTON INC.
ALBUQUERQUE, NEW MEXICO
ENGINEERS PLANNERS PHOTOGRAMMETRISTS

REGISTERED PROFESSIONAL ENGINEER 9124 1-15-93

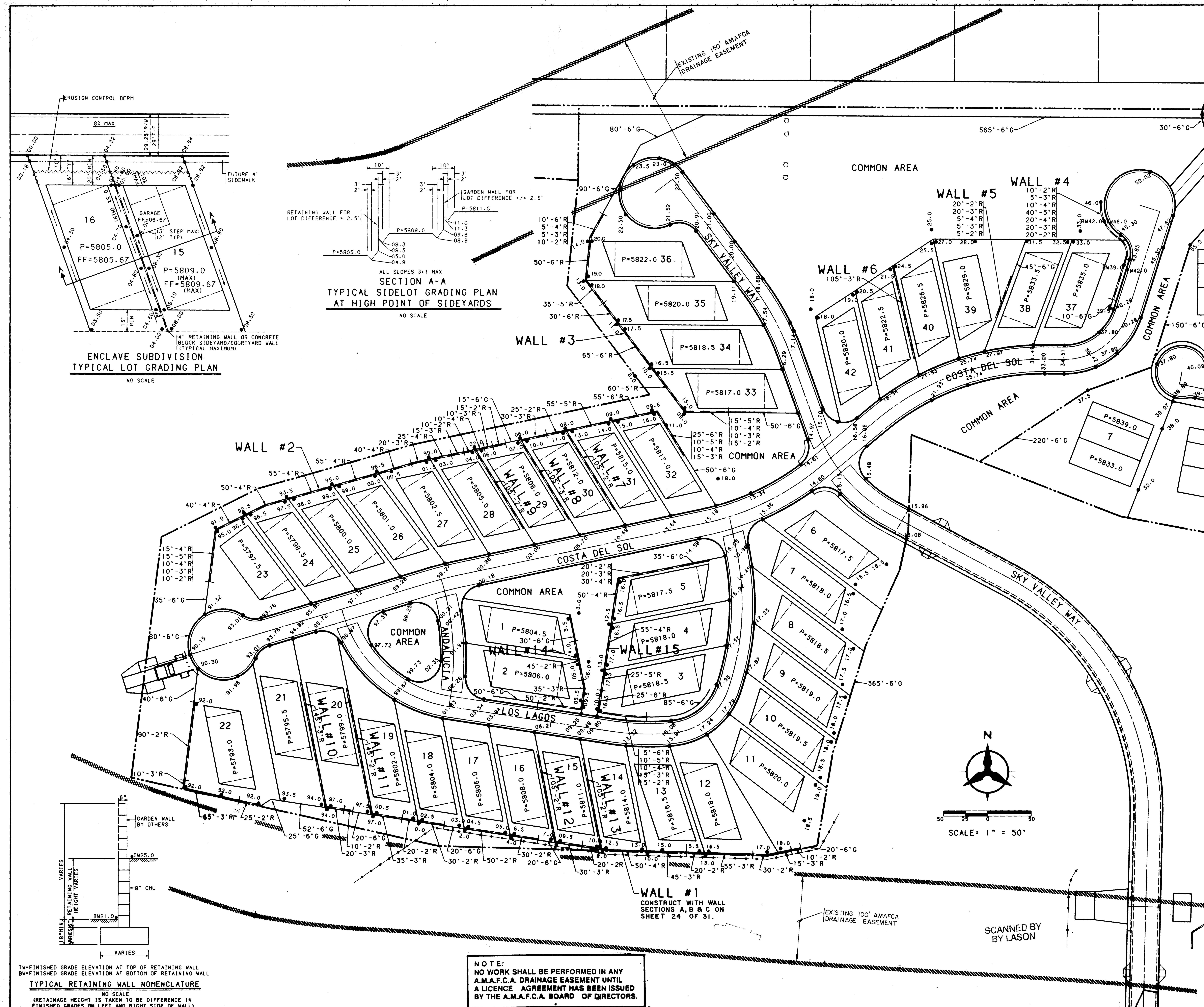
APPROVED FOR CONSTRUCTION
2-26-93 C.E.

PROJECT NUMBER
4328.91

SHEET 1 OF 31

BHI JOB NO. 91182.06

USERNAME: C9118202.PAD
FILENAME: TITLE-ENC.GRF



NOTE:
NO WORK SHALL BE PERFORMED IN ANY A.M.A.F.C.A. DRAINAGE EASEMENT UNTIL A LICENCE AGREEMENT HAS BEEN ISSUED BY THE A.M.A.F.C.A. BOARD OF DIRECTORS.

NOTES:

1. THE HORIZONTAL AND VERTICAL LENGTHS OF RETAINING (R) AND 6' GARDEN (6'-G) WALLS ARE APPROXIMATE ONLY. VERIFICATION OF PROPER WALL PLACEMENT, INCLUDING VERTICAL AND HORIZONTAL LOCATION, IS THE RESPONSIBILITY OF THE CONTRACTOR.
2. ALL RETAINING WALL HEIGHTS ON THIS PLAN REFER TO THE WALL SECTIONS SHOWN ON SHEET 23A OF 23. THE FOLLOWING SECTIONS WILL BE USED FOR THE WALL HEIGHTS SHOWN ON THIS PLAN:
   - 2'R - SECTIONS A OR E (RETAINAGE FROM 1.5' - 2.5')
   - 3'R - SECTIONS B OR F (RETAINAGE FROM 2.5'-3.5')
   - 4'R - SECTIONS C OR G (RETAINAGE FROM 3.5'-4.5')
   - 5'R - SECTIONS D OR F (RETAINAGE FROM 4.5'-5.5')
   - 6'R - SECTION J (RETAINAGE FROM 5.5'-6.6')
   - 7'R - SECTION K (RETAINAGE FROM 6.6'-7.6')
3. WALLS AT PROPERTY LINES (EXCLUDING SIDE LOT PROPERTY LINES) SHALL USE THE "PROPERTY LINE" WALL SECTION SHOWN ON SHEET 23A. NOTE THAT THE 6'-6" AND 7'-6" SECTIONS ARE "PROPERTY LINE" WALL SECTIONS, AND WILL BE USED AT ALL 6'-6" AND 7'-6" WALL HEIGHTS AS SHOWN ON THIS PLAN.
4. CONTRACTOR IS TO NOTIFY THE ENGINEER UPON ANY DISCREPANCY DUE TO FIELD CONDITIONS OR CONFLICTS IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.

LEGEND

PROJECT BOUNDARY	
PROPOSED SPOT ELEVATION	●15.42
TOP OF WALL ELEVATION	●TW15.42
BOTTOM OF WALL ELEVATION	●BW15.42
PROPOSED RETAINING WALL	
LENGTH & HEIGHT OF RETAINING WALL	25'-2"R
LENGTH & HEIGHT OF GARDEN WALL	25'-6"G

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 4328.91 2294

AS BUILT INFORMATION
CONTRACTOR CCM
WORK STAKED BY ALS
INSPECTOR'S ACCEPTANCE BY ... DATE ...93
FIELD VERIFICATION BY ALS DATE 3/93
DRAWINGS CORRECTED BY ALS DATE 3/93
MICRO-FILM INFORMATION
RECORDED BY / DATE
NO.

BENCH MARKS
STATION IS A STANDARD USCAGS BRASS TABLET STAMPED "TUMBLE 1969" SET IN CONCRETE PROJECTING 0.2 FEET ABOVE GROUND. LOCATED 489 FEET WEST OF THE INTERSECTION OF SAN ANTONIO DRIVE AND TENNYSON STREET, AND 35 FEET NORTH OF RIGHT-OF-WAY LINE OF SAN ANTONIO DRIVE.
ELEVATION = 6009.155'

SURVEY INFORMATION

NO.	BY	DATE	FIELD NOTES
BOOK 63750	TANOAN CERTIFICATES BHI (PG. 13-26)	10/86	

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY KLD / GJ DATE 9/92
DRAWN BY TSG DATE 9/92
CHECKED BY KLD DATE 9/92

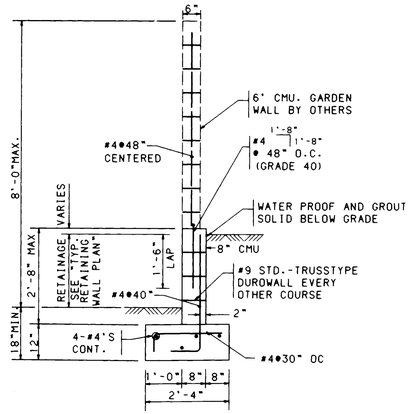
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

ENCLAVE AT TANOAN
RETAINING WALL PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	[signature]	11-10-92	WATER	N/A RWK	10-8-92
TRANSPORTATION	N/A RHD	10-07-92	WASTE WATER	N/A RWK	10-8-92
HYDROLOGY	[signature]	10/19/92			
A.M.A.F.C.A.	[signature]	11/6/92			

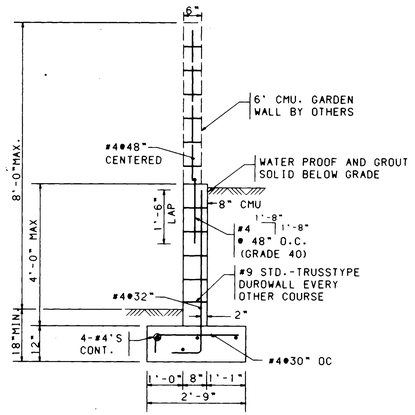
DRAWING NO.	MAP NO.	SHEET	OF
4328.91	E-22	22	31

USERNAME: [C9118202,PAD]
FILENAME: WALL-PLAN.GRF
BHI JOB NO. 91182.06
* Per letter from Centex Homes to AMAFCA dated 11/5/92.
SEPT. 29, 1992



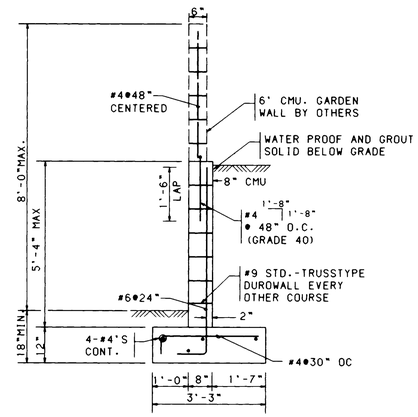
A/23 RETAINING WALL FOR 2'-6" MAX. RETAINAGE

NO SCALE



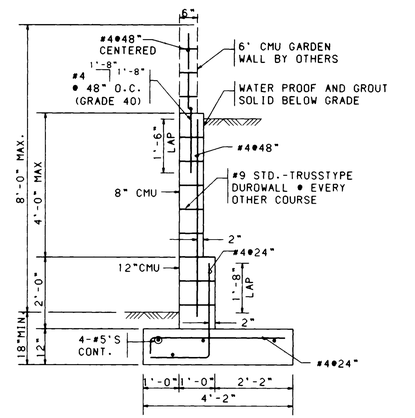
B/23 RETAINING WALL FOR 3'-6" MAX. RETAINAGE

NO SCALE



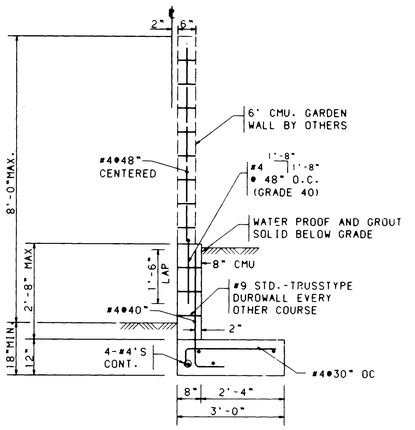
C/23 RETAINING WALL FOR 4'-6" MAX. RETAINAGE

NO SCALE



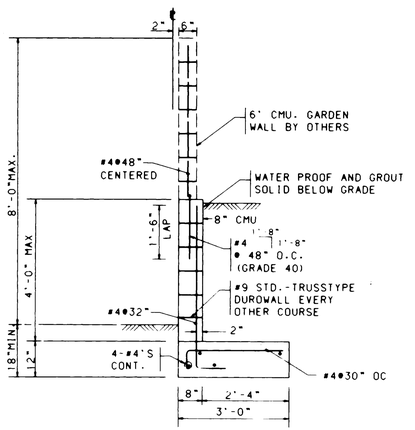
D/23 RETAINING WALL FOR 5'-6" MAX. RETAINAGE

NO SCALE



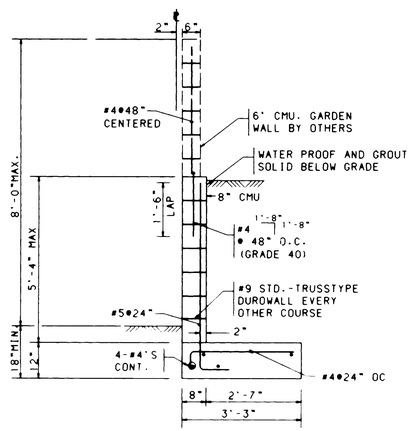
E/23 RETAINING WALL • R FOR 2'-6" MAX. RETAINAGE

NO SCALE



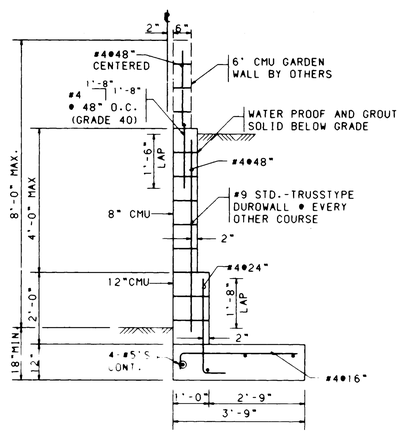
F/23 RETAINING WALL • R FOR 3'-6" MAX. RETAINAGE

NO SCALE



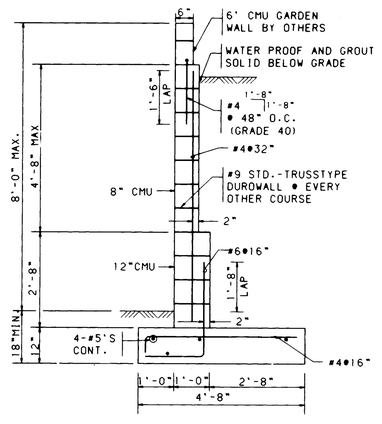
G/23 RETAINING WALL • R FOR 4'-6" MAX. RETAINAGE

NO SCALE



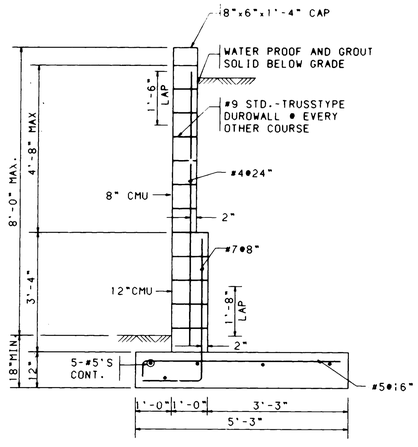
F/23 RETAINING WALL • R FOR 5'-6" MAX. RETAINAGE

NO SCALE



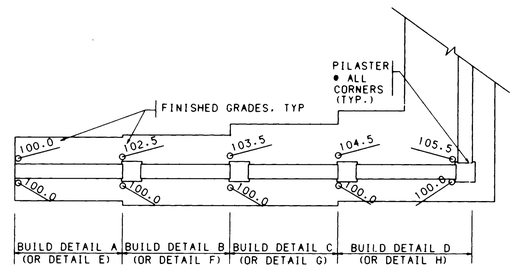
J/23 RETAINING WALL FOR 6'-6" MAX. RETAINAGE

NO SCALE



K/23 RETAINING WALL FOR 7'-6" MAX. RETAINAGE

NO SCALE



NOTE: RETAINAGE HEIGHT IS TAKEN TO BE DIFFERANCE IN FINISHED GRADES ON LEFT AND RIGHT SIDE OF WALL.

1/23 TYPICAL RETAINING WALL PLAN

NO SCALE

GENERAL NOTES (RETAINING WALL CONST.)

1. RETAINING WALL FOOTINGS SHALL BE EMBEDDED A MINIMUM OF EIGHTEEN INCHES BELOW LOWEST ADJACENT GRADE. 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.

2. RETAINING WALL SHALL NOT BE BACK-FILLED UNTIL AT LEAST 7 DAYS AFTER PLACING OF FINAL GROUT LEVEL. WHERE HEAVY EQUIPMENT IS USED IN BACKFILLING. 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 FORCES ON THE WALL AS COULD BE CAUSED BY EARTH MOVING EQUIPMENT.

   SLOPES UP AWAY FROM WALLS SHALL BE LEVEL OR SLOPING DOWNWARD.

3. REINFORCED, EXPANSION CONTROL PILASTERS SHALL BE SPACED AT 12'-0" O.C. AND AT WALL TRANSITIONS. SEE PILASTER DETAIL SHEET 23B.

4. DISCONTINUE HORIZONTAL WALL REINFORCEMENT AT JOINTS AND PILASTERS. USE 6' MIN. LAP SPLICES.

5. REINFORCEMENT OF A SIZE AND SPACING OTHER THAN THAT GIVEN IN THE DETAILS MAY BE USED PROVIDING SUCH OTHER REINFORCEMENT FURNISHES AN AREA OF STEEL AT LEAST EQUAL TO THAT GIVEN IN THE DETAILS. LAP SPLICES IN REINFORCING BARS SHALL BE:
   #3 BAR = 1'-4"
   #4 BAR = 1'-8"
   #5 BAR = 2'-2"

6. HORIZONTAL REINFORCING IN FOOTINGS SHALL BE CONTINUOUS AROUND CORNERS AND THROUGH TRANSITIONS. FIELD BEND BARS AT TRANSITIONS AS REQUIRED.

7. THE GRADE 40 "L" BAR AT TOP OF THE RETAINING WALL IS TO LAPPED WITH THE REQUIRED VERTICAL REINFORCEMENT OF THE 6" CMU GARDEN WALL. THE HORIZONTAL LEG OF THE "L" BAR SHALL BE ALIGNED WITH THE WALL.

8. CONSTRUCTION OF RETAINING WALLS SHALL CONFORM TO REQUIREMENTS OF THE UNIFORM BUILDING CODE SECTION 24, LOW-LIFT GROUTING METHOD.

9. OMISSION OF A VERTICAL MORTAR JOINT ON FIRST COURSE AT 48" O.C. SHALL BE USED FOR WEEP HOLES. WHITE SLUMP BLOCK WITH A MINIMUM COMPRESSIVE STRENGTH OF 1500 PSI MAY BE SUBSTITUTED FOR STANDARD CMU GRADE N.

10. DESIGN DATA
    BLOCK WEIGHT 12" = 130 PSF
    BLOCK WEIGHT 8" = 85 PSF
    SOIL WEIGHT = 110 PCF
    EQUIV. FLUID PRESSURE = 36 PCF
    SOIL BEARING PRESSURE = 2000 PSF
    (1/3 INCREASE FOR WIND/SEISMIC)
    COEFFICIENT OF FRICTION = 0.4
    PASSIVE SOIL PRESSURE = 325 PCF
    CONCRETE F'C (28 DAYS) = 3000 PSI
    GROUT STRENGTH = 2000 PSI
    CMU GRADE N, f'b = 1500 PSI (GROUTED)
    REINFORCEMENT = 60 ASTM A-615, UNLESS NOTED OTHERWISE
    MORTAR = TYPE M

11. CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO CONCRETE FOOTING POUR FOR INSPECTION OF COMPACTION UNDER FOOTING, FOOTING DEPTH AND WIDTH AND WALL STEEL AND SPACING. FINAL INSPECTION OF FOOTING AND WALL WILL BE REQUIRED.

12. CONTRACTOR SHALL BE RESPONSIBLE FOR CODE ADMINISTRATION APPROVAL AND FEES ASSOCIATED WITH IT.

GENERAL NOTES (CONTINUED)

13. RETAINING WALLS SHALL RECEIVE A BITUMINOUS WATERPROOFING MATERIAL ACCEPTABLE TO THE ENGINEER. WATERPROOFING SHALL BE APPLIED TO THE BACK OF THE CMU BELOW GRADE.

14. SEE GRADING AND DRAINAGE PLAN SHEETS 4, 5, & 6 FOR ADDITIONAL NOTES PERTAINING TO RETAINING WALLS.

15. 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.

SCANNED BY BY LASON

NOTE:
NO WORK SHALL BE PERFORMED IN ANY A.M.A.F.C.A. DRAINAGE EASEMENT UNTIL A LICENCE AGREEMENT HAS BEEN ISSUED BY THE A.M.A.F.C.A. BOARD OF DIRECTORS.

BHI JOB NO. 91182.06

* Per letter from Center Homes to AMAFCA dated 11/5/92.

AS BUILT INFORMATION
CONTRACTOR
STAKED BY
INSPECTED BY
FIELD LOCATION BY
DRAWINGS CORRECTED BY
RECORDED BY
DATE
NO.:

SURVEY INFORMATION
FIELD NOTES

NO.	DATE	BY
8570	10/86	ANDREW CESTICATES
8570		PHILIP CESTICATES

BENCH MARKS
STATION IS A STANDARD USC&GS BRASS TABLET STAMPED "TUMBLE 1969" SET IN CONCRETE PROJECTING 0.2 FEET ABOVE GROUND. LOCATED 489 FEET WEST OF THE INTERSECTION OF SAN ANTONIO DRIVE AND TENNYSON STREET, AND 35 FEET NORTH OF RIGHT-OF-WAY LINE OF SAN ANTONIO DRIVE.
ELEVATION = 6009.155'

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

		DATE
DESIGNED BY	DHB	9/92
DRAWN BY	MJT	9/92
CHECKED BY	DHB	9/92

26 4328.91 23 94

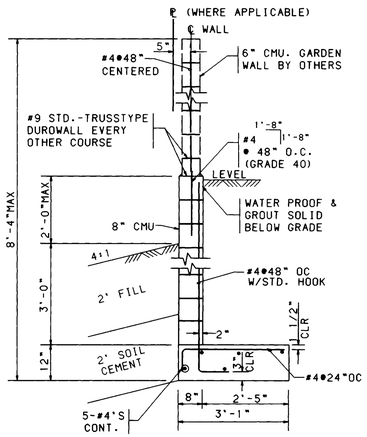
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

ENCLAVE AT TANOAN
RETAINING WALL DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	B.G. Aaholm	11-10-92	WATER	N/A RWK	10-8-92
TRANSPORTATION	[illegible]	[illegible]	WASTE WATER	N/A RWK	10-8-92
HYDROLOGY	N/A [illegible]	10/7/92			
A.M.A.F.C.A.	[illegible]	11/4/92			

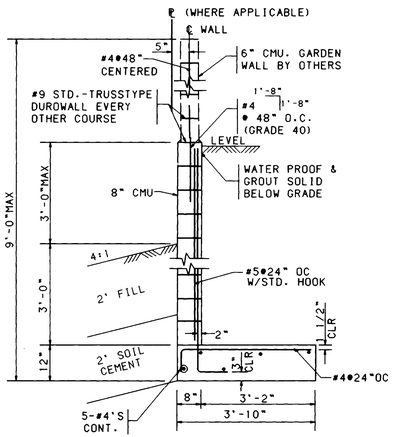
DRAWING NO. 4328.91 | MAP NO. E-22 | SHEET 23 OF 31

USERNAME: C9118202.PAD
FILENAME: WALLDTL-CMU.GRF



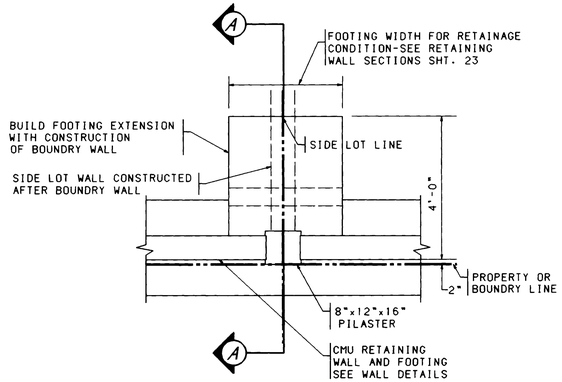
A/24 RETAINING WALL FOR 2'-0" MAX. RETAINAGE

NO SCALE



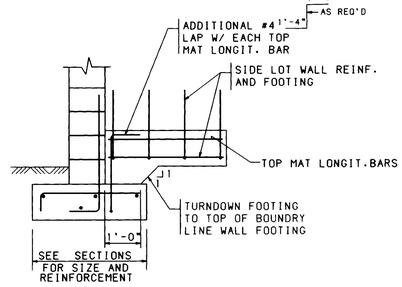
B/24 RETAINING WALL FOR 3'-0" MAX. RETAINAGE

NO SCALE



1/24 PLAN AT INTERSECTION OF SIDE LOT/BOUNDARY WALLS

NO SCALE

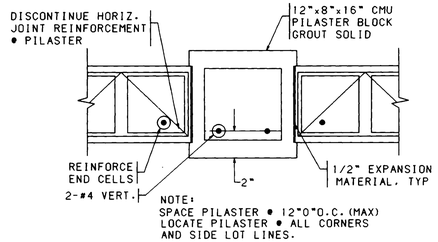


2/24 SECTION A-A

NO SCALE

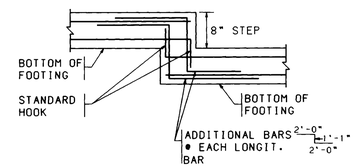
NOTES:

1. SOIL CEMENT FLOOD WALL SHALL BE CONSTRUCTED ACCORDING TO THE DETAILS ON SHEET 25 AND TO THE HORIZONTAL AND VERTICAL DIMENSIONS SHOWN ON SHEETS 26-29.
2. SOIL CEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 625, SOIL CEMENT (ADDED SECTION) AVAILABLE FROM THE ENGINEER.
3. THE EXISTING SANITARY SEWER LINE SHOWN IN TYPICAL SECTION A AND ON THE CROSS SECTIONS ON PAGES 26-29 SHALL BE REMOVED AND REPLACED AS SHOWN ON SHEET 30, PRIOR TO CONSTRUCTION OF THE SOIL CEMENT FLOODWALL.
4. CONSTRUCTION AND MAINTENANCE SHALL BE PERFORMED IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THE DRAINAGE COVENANT AND LICENSE AGREEMENT FILED IN THE OFFICE OF THE COUNTY CLERK ON JANUARY 5, 1993 IN MISC. BK. 93-1 P. 1808-1830, AS DOCUMENT #93000841.
5. SEE SHEET 23 FOR ADDITIONAL RETAINING WALL SECTIONS, NOTES AND DETAILS.



3/24 PILASTER DETAIL

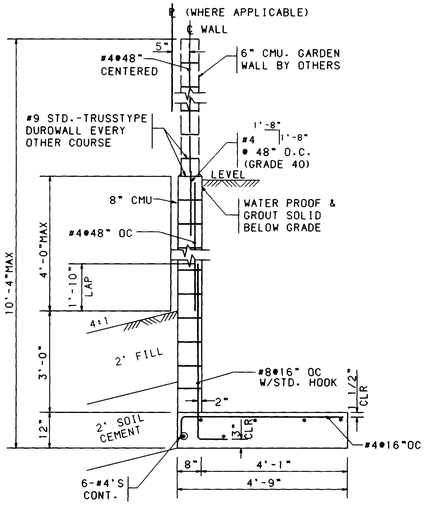
NO SCALE



4/24 TYPICAL STEPPED FOOTING DETAIL

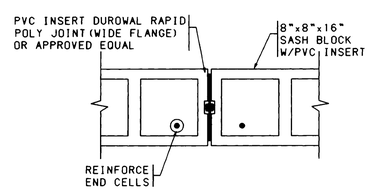
SEE WALL SECTIONS FOR DIMENSIONS & REINFORCEMENT

NO SCALE



C/24 RETAINING WALL FOR 4'-0" MAX. RETAINAGE

NO SCALE



6/24 TYPICAL EXPANSION JOINT DETAIL

NO SCALE

SCANNED BY BY LASON

BHI JOB NO. 91182.07

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
BOOK: TANOAN CERTIFICATES 63750 BHI (PG.13-26)		10/86

ENGINEER'S SEAL

BENCH MARKS

STATION IS A STANDARD USC&GS BRASS TABLET STAMPED "TUMBLE 1969" SET IN CONCRETE PROJECTING 0.2 FEET ABOVE GROUND. LOCATED 489 FEET WEST OF THE INTERSECTION OF SAN ANTONIO DRIVE AND TENNYSON STREET. AND 35 FEET NORTH OF RIGHT-OF-WAY LINE OF SAN ANTONIO DRIVE.

ELEVATION = 6009.155'

AS BUILT INFORMATION

CONTRACTOR
STAKED BY
INSPECTOR'S ACCEPTANCE BY M. NORTON DATE 3-3
AS-BUILT VERIFICATION BY DATE
CORRECTIONS CHECKED BY DATE

MICRO-FILM INFORMATION

RECORDED BY
NO. DATE

NO.	DATE	REMARKS	BY	DATE
		REVISIONS	DMB	9/92
		DESIGN	MJT	9/92
		DESIGNED BY	DMB	9/92
		DRAWN BY		
		CHECKED BY		

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

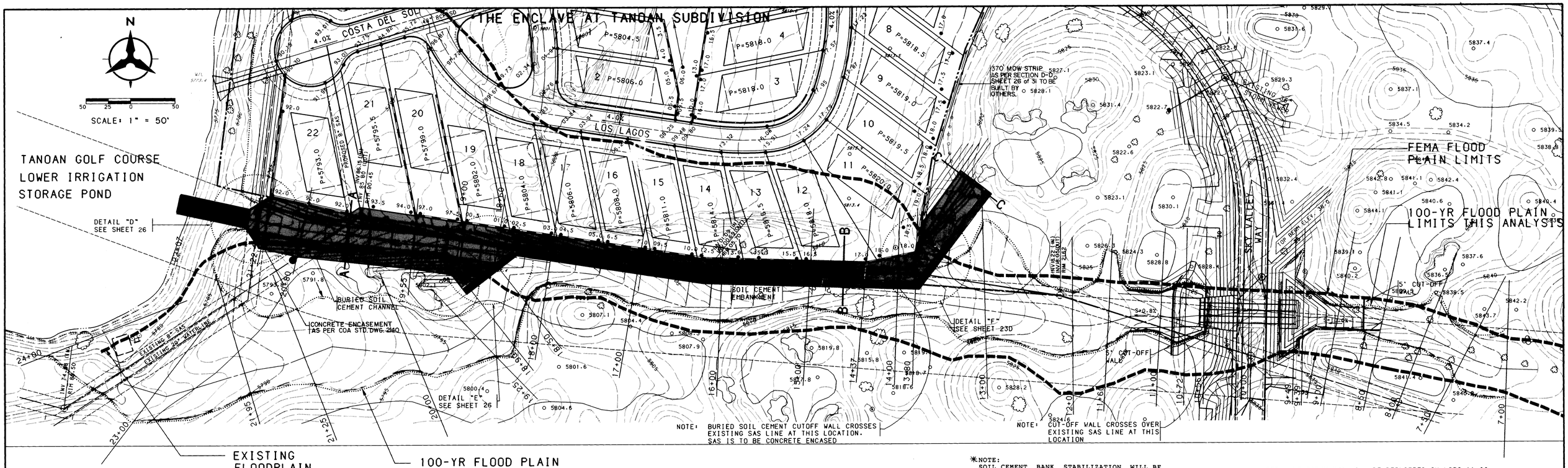
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

ENCLAVE AT TANOAN
RETAINING WALL DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	S.A. Goodby	2-25-93	WATER	N/A RWK	2-18-93
TRANSPORTATION	N/A RWK	2-18-93	WASTE WATER	N/A RWK	2-18-93
HYDROLOGY		2-22-93			
AMAFCA		2/10/93			

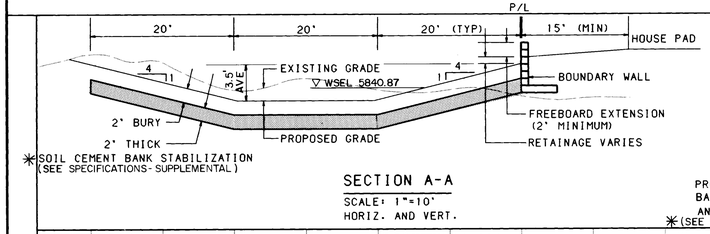
DRAWING NO.	MAP NO.	SHEET	OF
4328.91	E-22	24	31

USERNAME: EC9118202.PADJ
FILENAME: WALLDTL-CMU2.GRF

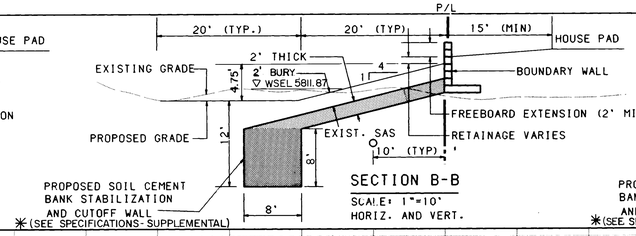


*NOTE: SOIL CEMENT BANK STABILIZATION WILL BE CONSTRUCTED IN COMPLIANCE WITH SECTION 625; SOIL CEMENT(ADDED SECTION), AVAILABLE AT BOHANNAN-HUSTON INC.

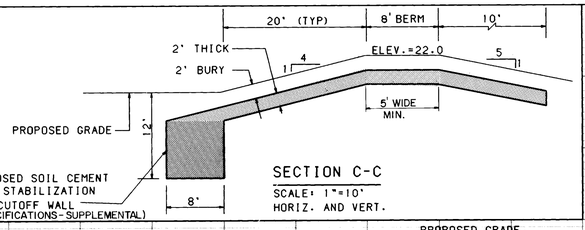
NOTE: NO BASEMENTS WILL BE PERMITTED ON LOTS 11-22.



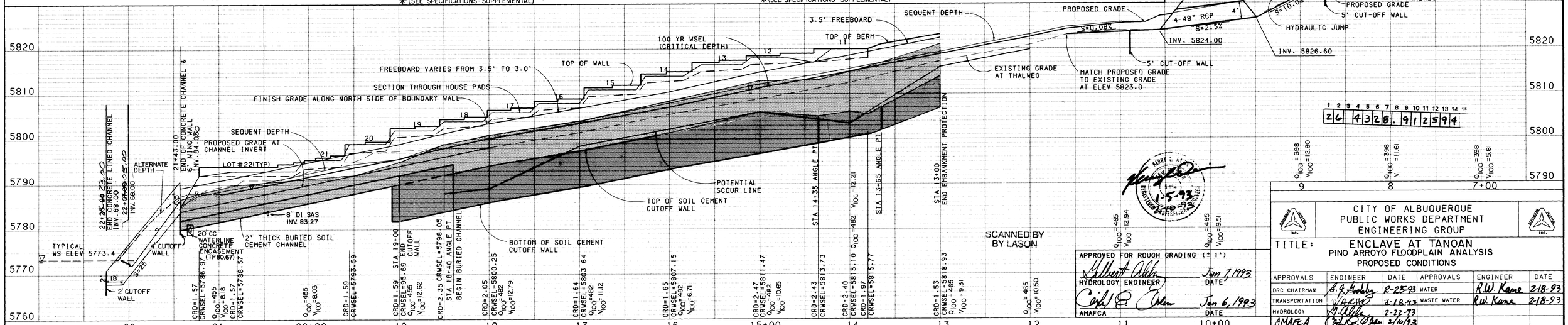
SECTION A-A
SCALE: 1"=10' HORIZ. AND VERT.



SECTION B-B
SCALE: 1"=10' HORIZ. AND VERT.



SECTION C-C
SCALE: 1"=10' HORIZ. AND VERT.



SCANNED BY BY LASON

APPROVED FOR ROUGH GRADING (± 1')

HYDROLOGY ENGINEER — DATE Jan 7, 1993

AMAFCA — DATE Jan 6, 1993

BHI JOB NO. 91182.02

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

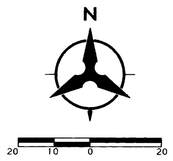
TITLE: ENCLAVE AT TANOAN
PINO ARROYO FLOODPLAIN ANALYSIS
PROPOSED CONDITIONS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	B.G. Goble	8-25-93	WATER	RW Kane	2-18-93
TRANSPORTATION	N/A	7-18-93	WASTE WATER	RW Kane	2-18-93
HYDROLOGY		2-22-93			
AMAFCA		2/6/93			

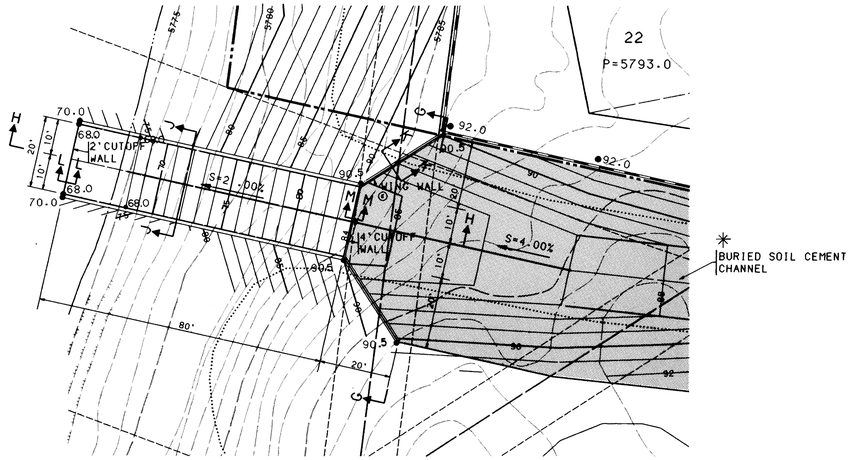
DRAWING NO. 4328.91 | MAP NO. E-22 | SHEET 25 OF 31

EXHIBIT 4

USERNAME: C9118202.HYDRO.HEC2
FILENAME: PINOPNP.GRF



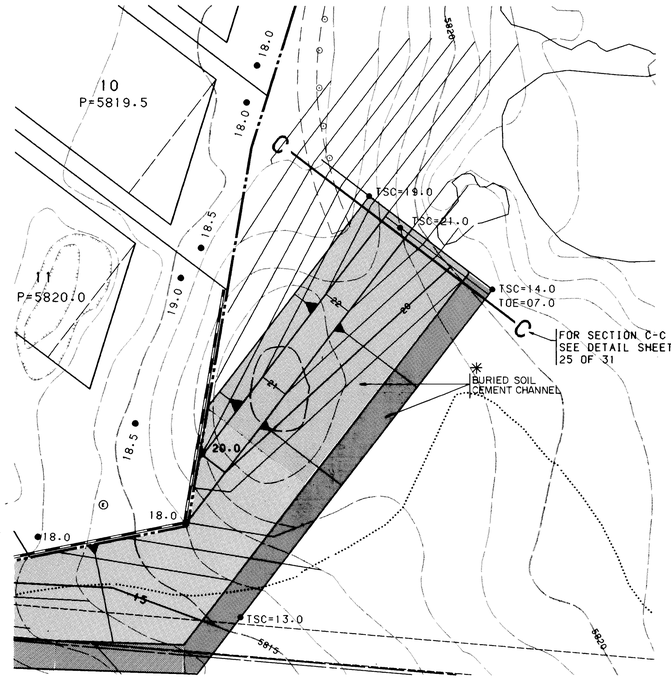
SCALE: 1" = 20'



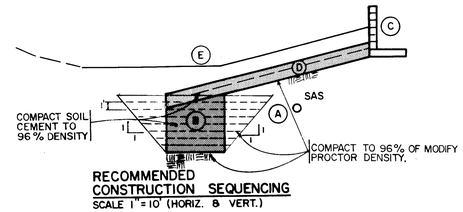
DETAIL "D"
SCALE: 1"=20'

NOTE:
FOR SECTIONS G THRU M
SEE SHEET 27 OF 31.

NOTE:
SOIL CEMENT BANK STABILIZATION WILL BE CONSTRUCTED IN COMPLIANCE WITH SECTION 625; SOIL CEMENT(ADDED SECTION),AVAILABLE AT BOHANNAN-HUSTON INC.



DETAIL "F"
SCALE: 1"=20'



RECOMMENDED CONSTRUCTION SEQUENCING
SCALE 1"=10' (HORIZ. & VERT.)

KEYED NOTES (SUGGESTED CONSTRUCTION SEQUENCING)

(A) REMOVE AND REPLACE 8" SAS.

(B) CONSTRUCT 8-WIDE SOIL CEMENT CUTOFF WALL.

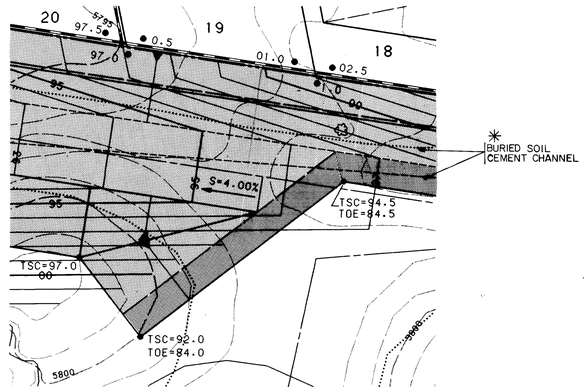
(C) CONSTRUCT RETAINING WALL AT PROPERTY.

(D) CONSTRUCT 2'-THICK SOIL CEMENT BANK PROTECTION ABOVE 8'SAS.

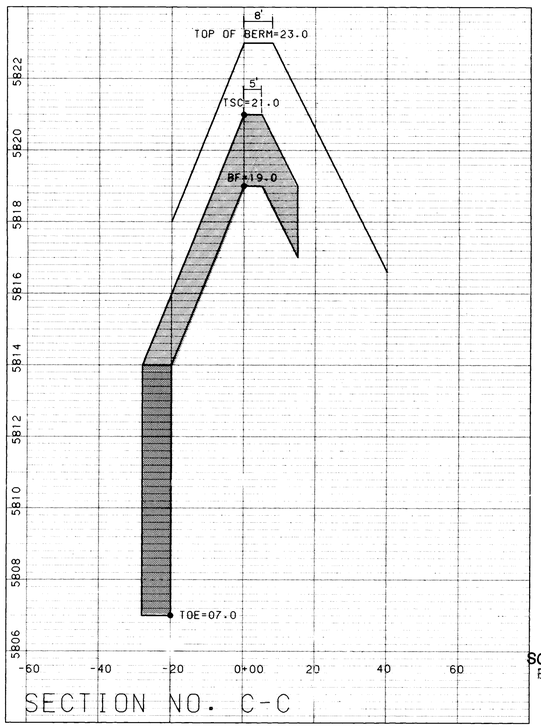
(E) BACKFILL & REVEGETATE SITE

NOTE

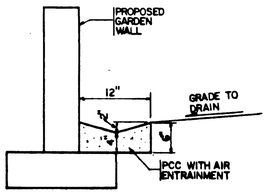
SOIL CEMENT AND ADJACENT BACKFILL SHALL BE INSTALLED CONCURRENTLY WITH LIFTS NOT TO EXCEED 1'-THICK. ALL SOIL CEMENT AND BACKFILL AREAS ARE TO BE COMPACTED TO 95% MAXIMUM DENSITY.



DETAIL "E"
SCALE: 1"=20'



SCANNED BY BY LASON



SECTION D-D
(MOW STRIP)
N.T.S

2-11-93

1	2	3	4	5	6	7	8	9
2	C	4	3	2	8	9	1	2694

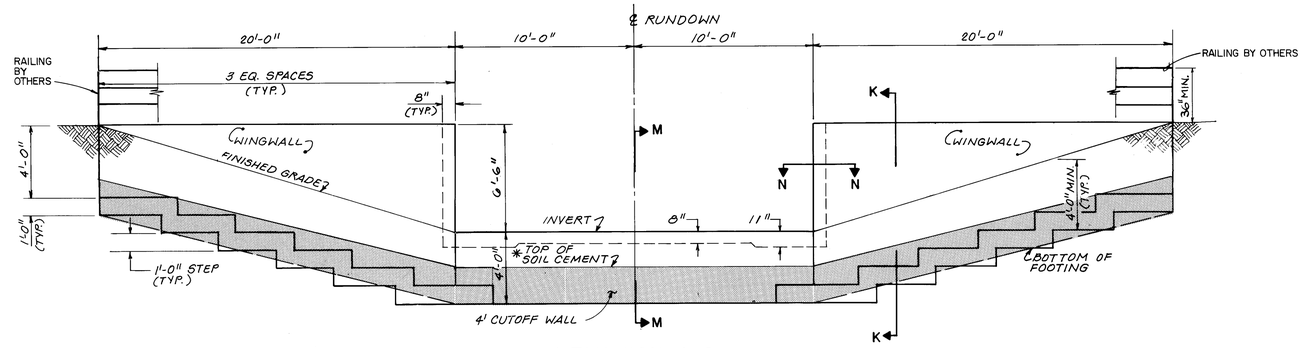
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

ENCLAVE AT TANOAN
PINO ARROYO FLOODPLAIN ANALYSIS
DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	S.A. Gaedeke	2-25-93	WATER	N/A RWK	2-18-93
TRANS. DEV.	N/A RWK	2-18-93	WASTE WATER	N/A RWK	2-18-93
HYDROLOGY		2-22-93	NMUI		
AMAFCA		3/4/93			

PROJECT NO.	MAP NO.	SHEET	OF
4328.90	E-22	26	31

USERNAME: [C9118202.HYDRO.HEC2]
FILENAME: DETAIL-PINO.GRF

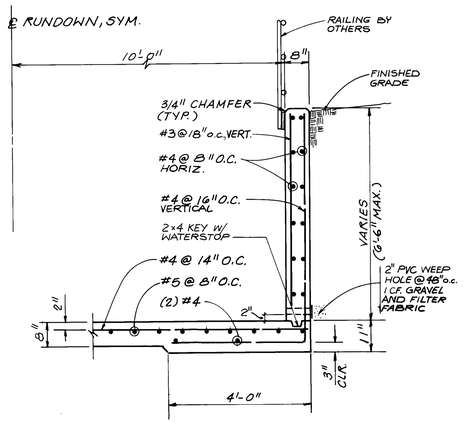


ELEVATION G-G

SCALE: 1/4" = 1'-0"

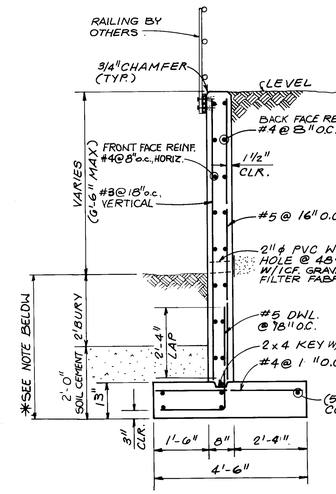
GENERAL STRUCTURAL NOTES FOR CONCRETE CONSTRUCTION

1. CODES AND MANUALS:
   Uniform Building Code, 1991 Edition
   City of Albuquerque Standard Specifications for Public Works Construction, 1986 Ed.
   ACI 318, Latest Edition, Building Code Requirements for Reinforced Concrete.
2. DESIGN LOADS:
   A. Soil Loads:
      Density = 120 pcf
      Active lateral = 36 pcf
      Passive lateral = 350 pcf
      Backfill slope = level
   B. Maximum Allowable soil bearing pressure: 2500 psf*
      *Allowable 1/3 stress increase for wind or seismic loading.
3. GENERAL:
   A. The Contractor shall verify all dimensions in the field.
   B. Shop drawings shall be furnished for review before any fabrication and erection is started. Poorly executed shop drawings shall be rejected and re submitted.
   C. The Contractor shall be responsible for providing safe and adequate shoring for all parts of the wall and adjacent structures during construction, as well as worker safety and compliance with OSHA or other agency safety guidelines.
   D. The contractor shall notify the Engineer prior to concrete placement for inspection. Final inspection of the footing and wall is required.
   E. The contractor is responsible for code administration approval and fees associated with it.
   F. Retaining walls shall receive a Bituminous water-proofing material acceptable to the Engineer. Water-proofing shall be applied to the back of the wall below grade.
   G. All work detailed on these plans shall 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 Ed.
   H. Retainage height is taken to be the difference in finished grades on left and right side of the wall.
4. EARTHWORK PROCEDURES:
   The preparation of supporting soils and fill construction shall be done in accordance with the Earthwork Procedures as outlined in the "Specifications for Earthwork" found in the geotechnical investigation report for Tract 0-1 at Tanoan, prepared by Sergent, Hauskins & Beckwith; SHB Job No. E89-1047, dated April 25, 1989.
5. MATERIALS:
   A. Cast-in-Place Concrete:
      (1) All concrete shall conform to the specifications for Structural Concrete, ACI 301 Latest Ed.
      (2) Hardrock Concrete: Dry unit weight =145 pcf
         a. fc = 3000 psi @ 28 days (air entrained) -
         b. Maximum dry unit weight = 145 pcf.
         c. Maximum slump = 4 inches.
         d. Maximum aggregate size = 3/4 inch.
         e. Minimum cement content, per ACI 301 design methods.
            Use Type I & II cement.
         f. Type F flyash shall be incorporated in the concrete at a ratio of 1 to 4 (by weight).
   B. Reinforcing Steel:
      (1) All reinforcing steel shall conform to ASTM A615 Grade 60; except stirrups, ties, may conform to ASTM A615 Grade 40.
      (2) Reinforcing shall be stored in such a manner as to inhibit rusting or the deposit of oils or other bond inhibiting deposits.
      (3) Reinforcing steel shall be fabricated and placed in accordance with the Building Code Requirements for Reinforced Concrete (ACI 318) and the CRSI Standard Manual.
      (4) Bar supports and spacers for rebar shall be provided in accordance with ACI and CRSI.
      (5) All lap splices shall be class B.
      (6) Concrete cover for reinforcing shall be as follows:
         a. Concrete poured against earth — 3 inches
         b. Concrete poured in forms but exposed to weather or earth:
            1. If bars are larger than No. 5 — 2 inches
            2. If bars are No. 5 or smaller — 1-1/2 inches
      (7) The Contractor shall be responsible to see that all rebar is properly aligned and tied in place before placing concrete. All column, wall dowels and vertical steel shall be accurately located and secured in place so that it remains in the position shown during the concrete placing operation. Any rebar found to be improperly installed shall be removed at no additional cost to the Owner.
      (8) Form ties shall be either of the threaded or snap-off type or other approved equal so that no metal will be left within 1 inch of the surface of the wall. Following removal of form ties, recesses are to be carefully filled and pointed with mortar.
   C. Gravel and Filter Fabric:
      (1) One cubic foot of gravel shall be placed behind each weep hole. Gravel shall be 1" crushed rock.
      (2) Apply one square foot of filter fabric directly behind each weep hole. Filter fabric shall be Myrafy 140N or Engineer approved equal.
   D. Waterstop:
      (1) All construction joints shall be keyed with a 2x4 beveled keyway and shall receive waterstop material.
      (2) Waterstop material shall be Hydrotite CJK-0725-3K distributed by Gundle Lining Systems, Inc., Huston, Tx. or Engineer approved alternate.
6. CONCRETE FINISHES:
   Surface finishes shall be in accordance with section 510.15 of the City of Albuquerque Standard Specifications for Public Works Construction.
   A. Exposed surfaces shall receive a Class 1 surface finish.
   B. All other surfaces shall receive an ordinary surface finish.
7. RAILING:
   Railing shall be 36" minimum, meeting UBC requirements. Railing design and details shall be installed subject to approval by AMAFCA.



SECTION J-J

SCALE: 1/2" = 1'-0"



SECTION K-K

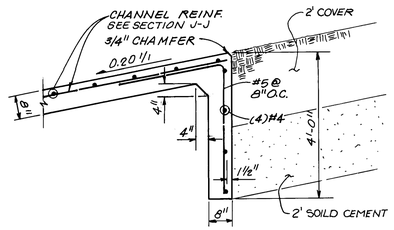
SCALE: 1/2" = 1'-0"

* NOTE:
SOIL CEMENT BANK STABILIZATION WILL BE CONSTRUCTED IN COMPLIANCE WITH SECTION 625; SOIL CEMENT(ADDED SECTION), AVAILABLE AT BOHANNAN-HUSTON INC.

* PLACE 4' OF COMPACTED FILL BEHIND WALL PRIOR TO PLACING 2' BURY AND 2' SOIL CEMENT.

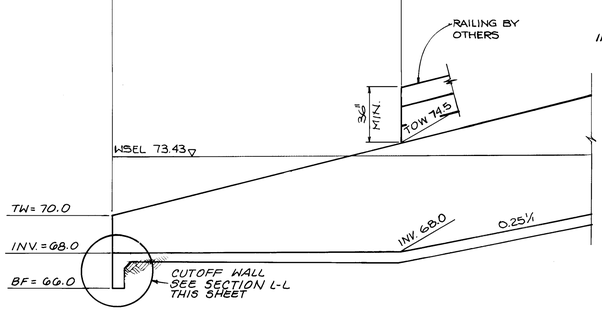
SECTION L-L

SCALE: 1/2" = 1'-0"



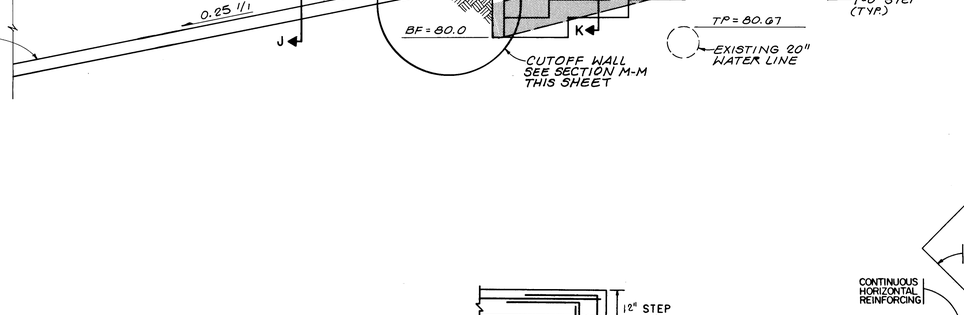
SECTION M-M

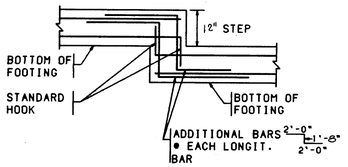
SCALE: 1/2" = 1'-0"



SECTION H-H

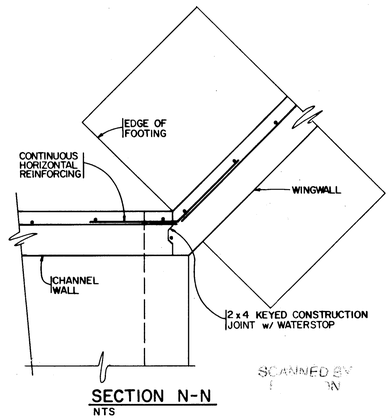
SCALE: 1/4" = 1'-0"





TYPICAL STEPPED FOOTING DETAIL

SEE WALL SECTIONS FOR DIMENSIONS & REINFORCEMENT
NO SCALE



SECTION N-N

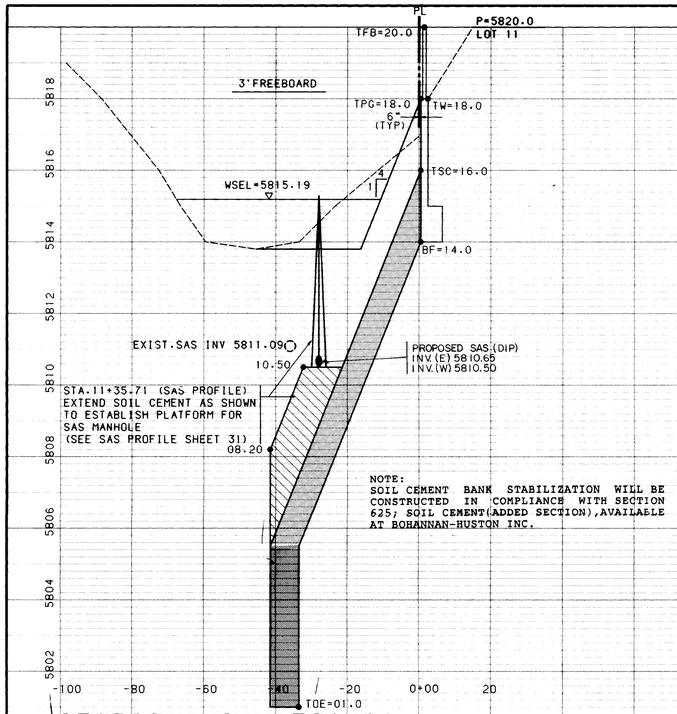
NTS

SCANNED BY

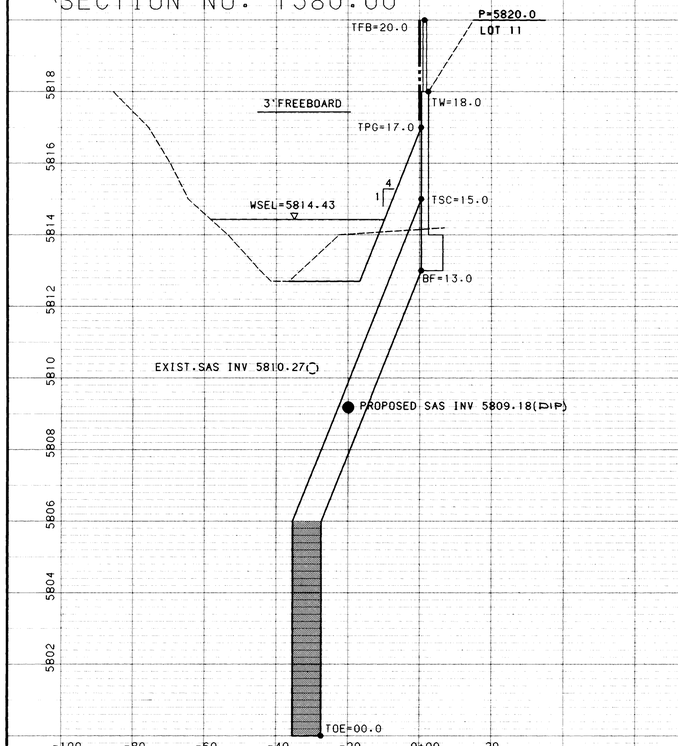
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 4328.91 2794

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: ENCLAVE AT TANOAN PINO ARROYO FLOODPLAIN ANALYSIS DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair		2-25-93	WATER	N/A RWK	2-18-93
TRANS. DEV.	N/A CHD	2-18-93	WASTE WATER	N/A RWK	2-18-93
HYDROLOGY		2-22-93	NMUI		
AMAFCA		2/11/93			
PROJECT NO. 4328.91		MAP NO. E-22	SHEET 27 OF 31		

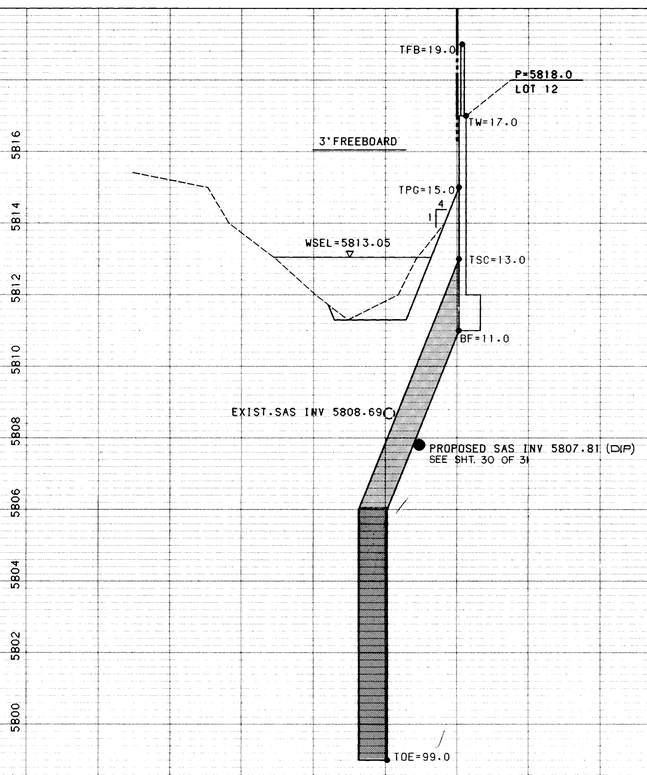
BRUNING



SECTION NO. 1380.00



SECTION NO. 1400.00



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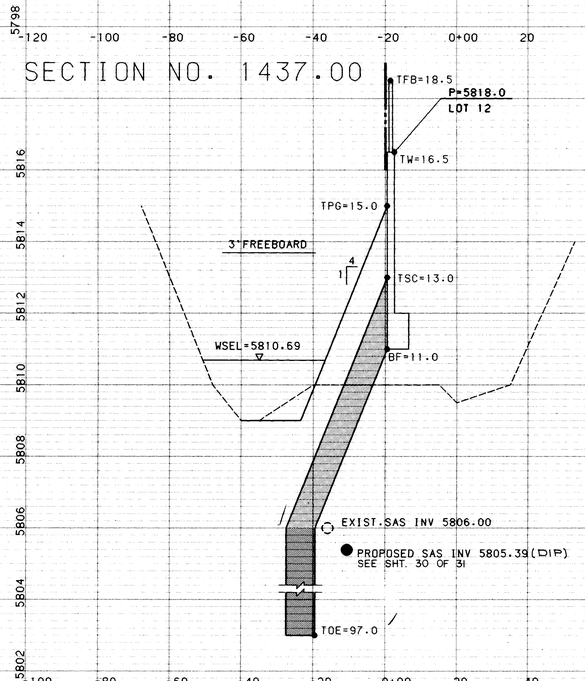

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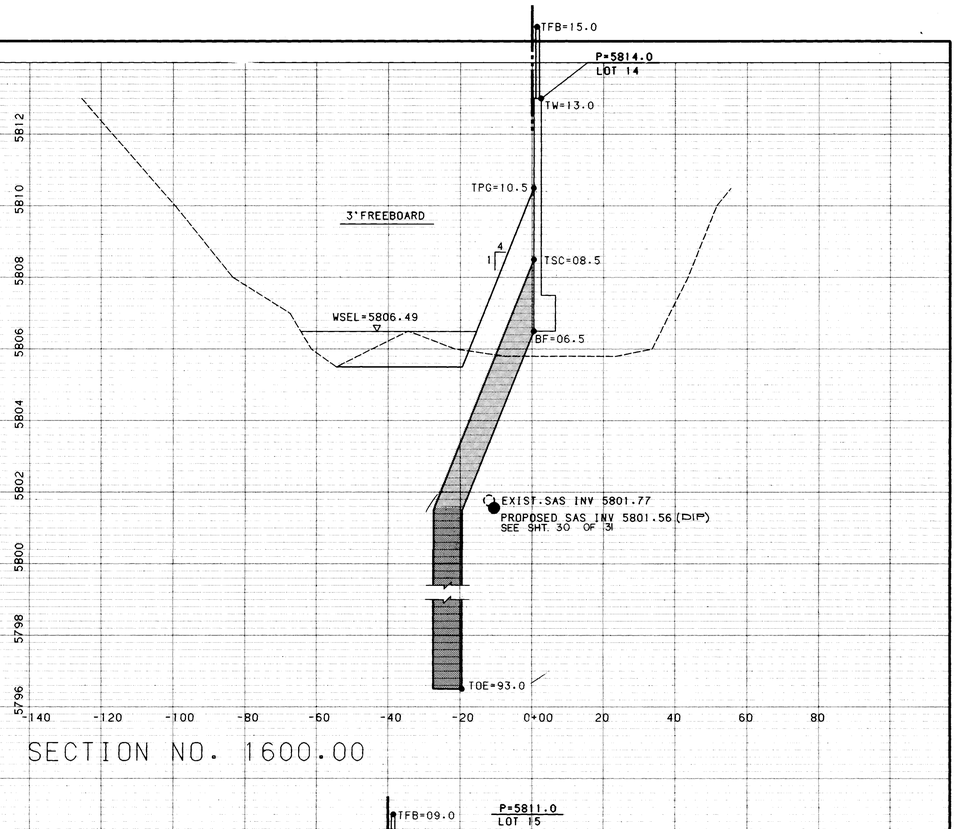

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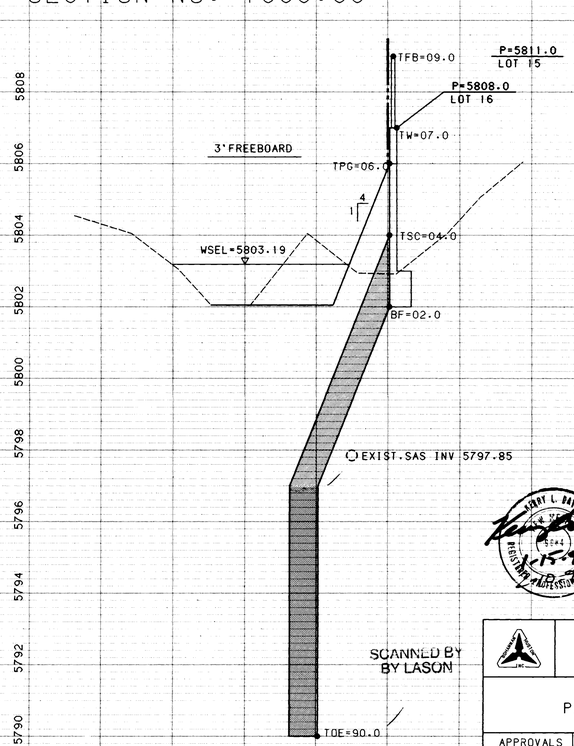
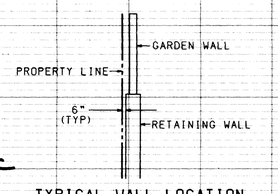


SCANNED BY
BY LASON



TYPICAL WALL LOCATION

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

ENCLAVE AT TANOAN
PINO ARROYO FLOODPLAIN ANALYSIS
CROSS SECTIONS

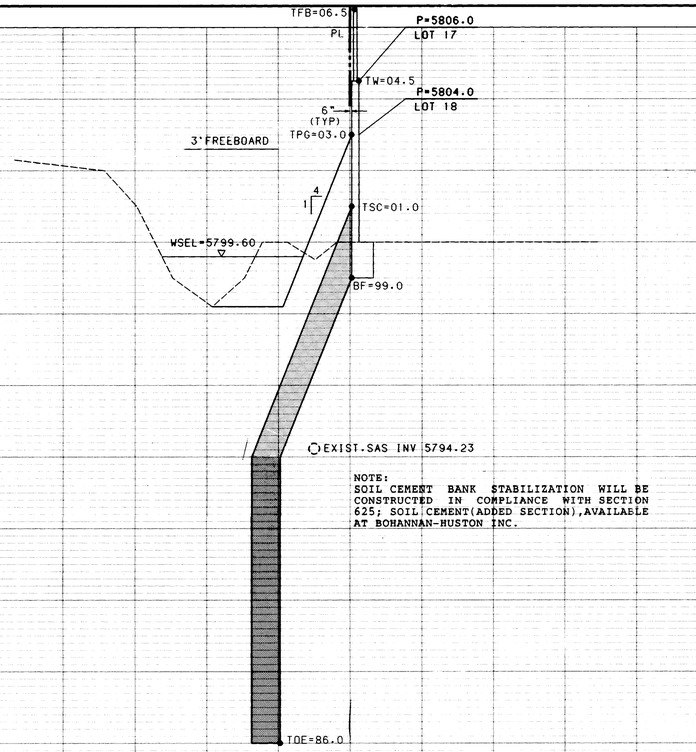
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair		2-25-93	WATER	R.W. Kane	2-18-93
TRANS. DEV.		2-18-93	WASTE WATER	R.W. Kane	2-18-93
HYDROLOGY		2-22-93	NMUI		
AMAFCA		2/10/93			

BHI JOB NO. 91182.02

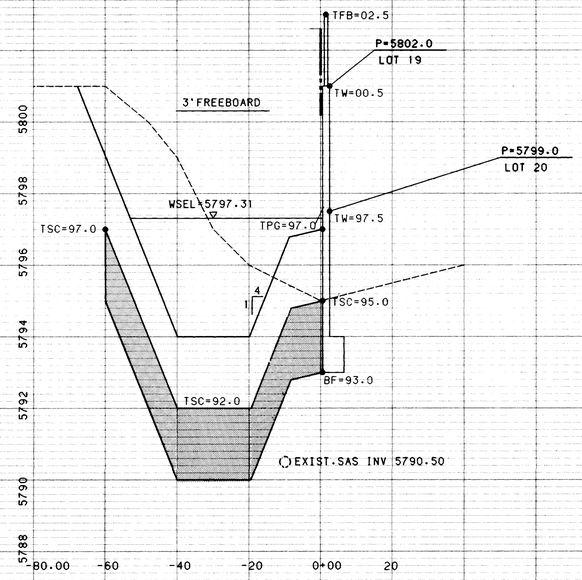
SCALE: 1" = 20' (HORIZ.)
1" = 2' (VERT.)

PROJECT NO.	MAP NO.	SHEET	OF
4328.91	E-22	28	31

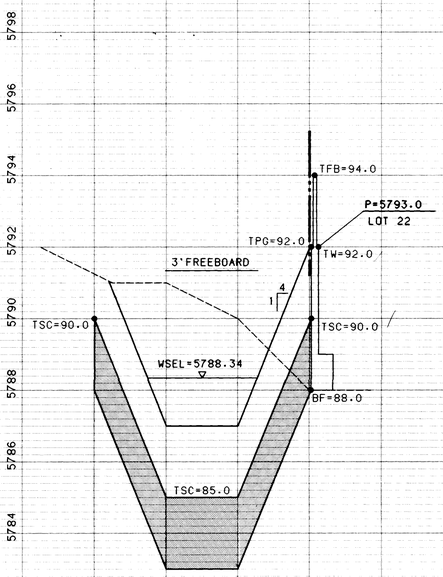
USERNAME: [C9118202.HYDRO.HEC2]
FILENAME: SECTION-3.GRF



NOTE:
SOIL CEMENT BANK STABILIZATION WILL BE CONSTRUCTED IN COMPLIANCE WITH SECTION 625; SOIL CEMENT(ADDED SECTION),AVAILABLE AT BOHANNAN-HUSTON INC.



SECTION NO. 1900.00



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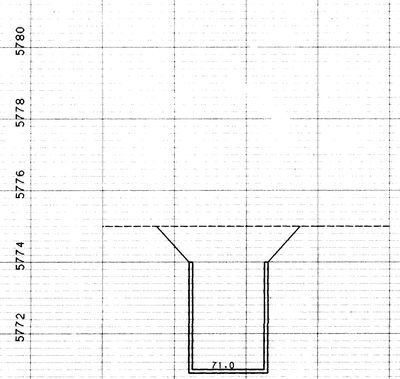
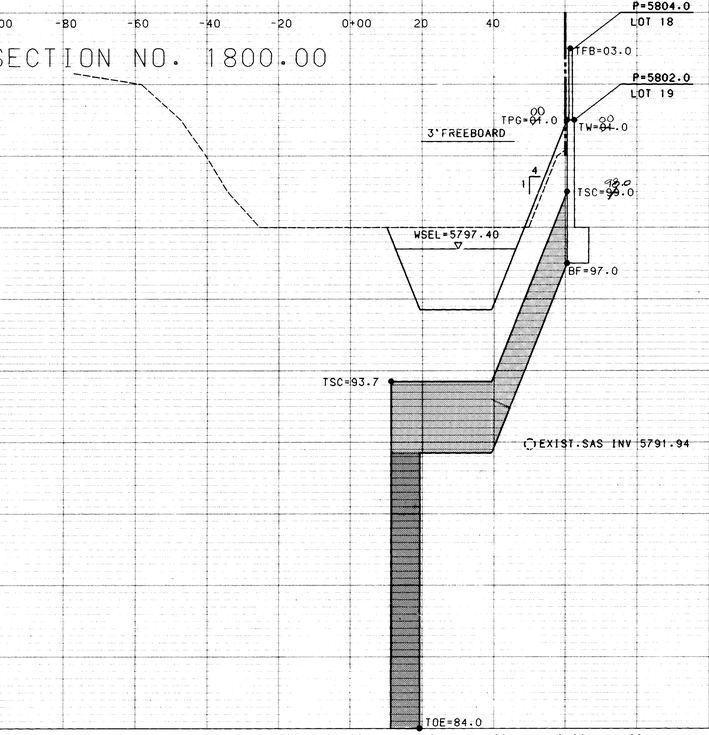


SECTION NO. 2207.00



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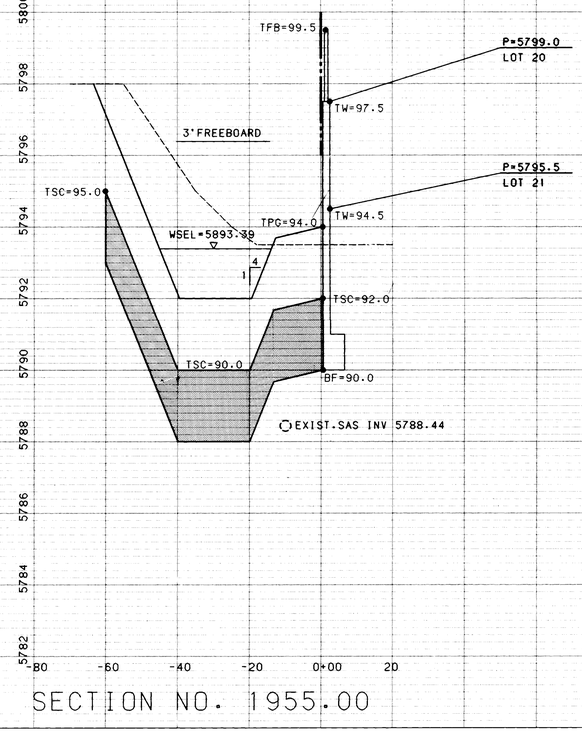

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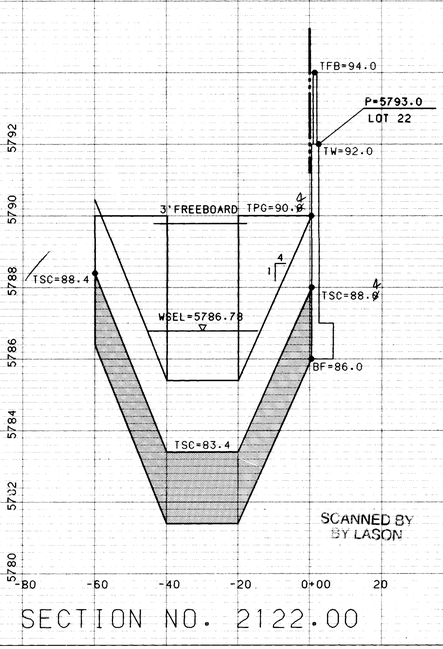
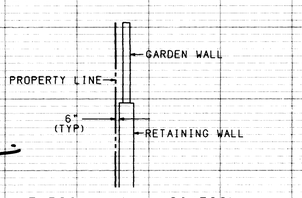


SECTION NO. 2122.00



TYPICAL WALL LOCATION

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
ZC 4328.91 2994

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

ENCLAVE AT TANOAN
PINO ARROYO FLOODPLAIN ANALYSIS
CROSS SECTIONS

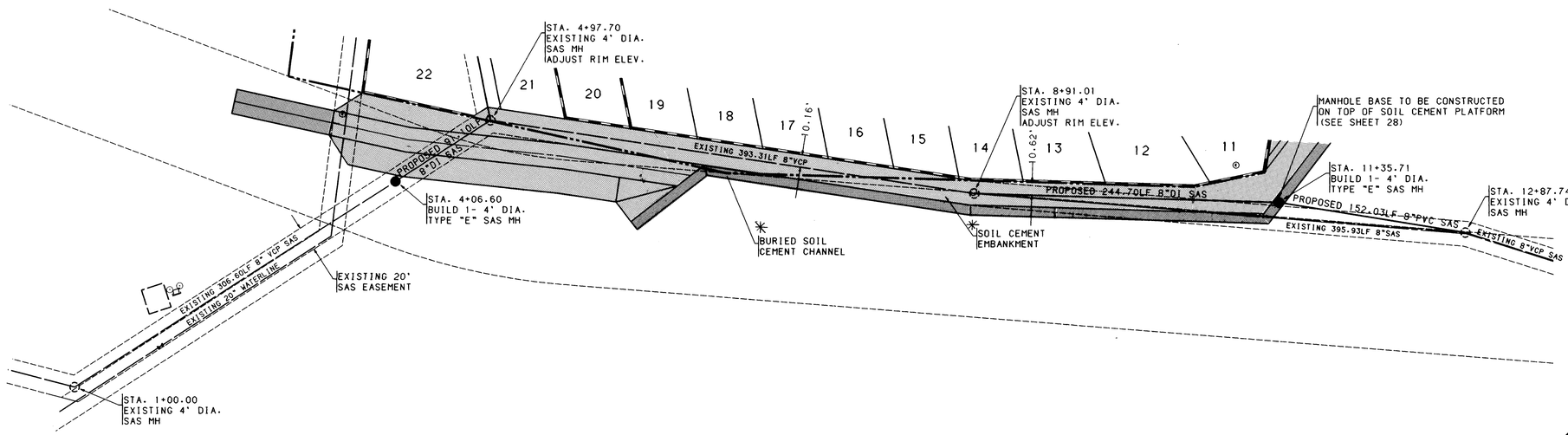
APPRUVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	R.G. Hambley	2-25-93	WATER	N/A RWK	2-18-93
TRANS. DEV.	[illegible]	2-18-93	WASTE WATER	N/A RWK	2-18-93
HYDROLOGY	[illegible]	2-22-93	NMUI		
AMAFCA	[illegible]	2/1/93			

PROJECT NO. 4328.91 | MAP NO. E-22 | SHEET 29 OF 31

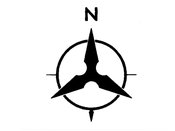
BHI JOB NO. 91182.02

USERNAME: [C9118202.HYDRO.HEC2]
FILENAME: SECTION-4.GRF

SCALE: 1" = 20' (HORIZ.)
1" = 2' (VERT.)



✳ NOTE:
SOIL CEMENT BANK STABILIZATION WILL BE CONSTRUCTED IN COMPLIANCE WITH SECTION 625; SOIL CEMENT(ADDED SECTION),AVAILABLE AT BOHANNAN-HUSTON INC.



SCALE: 1" = 50'
(HORIZ.)

NOTES

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

2. ALL CURB RETURN RADII SHALL BE 25' TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.

3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.

4. GRADE ELEVATIONS, WHERE NOTED, ARE FOR TOP OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.

5. CONTRACTOR IS TO INSTALL A 4"x4"x5' POST AND EMD AT THE END OF EACH SANITARY SEWER SERVICE.

6. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.

7. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.

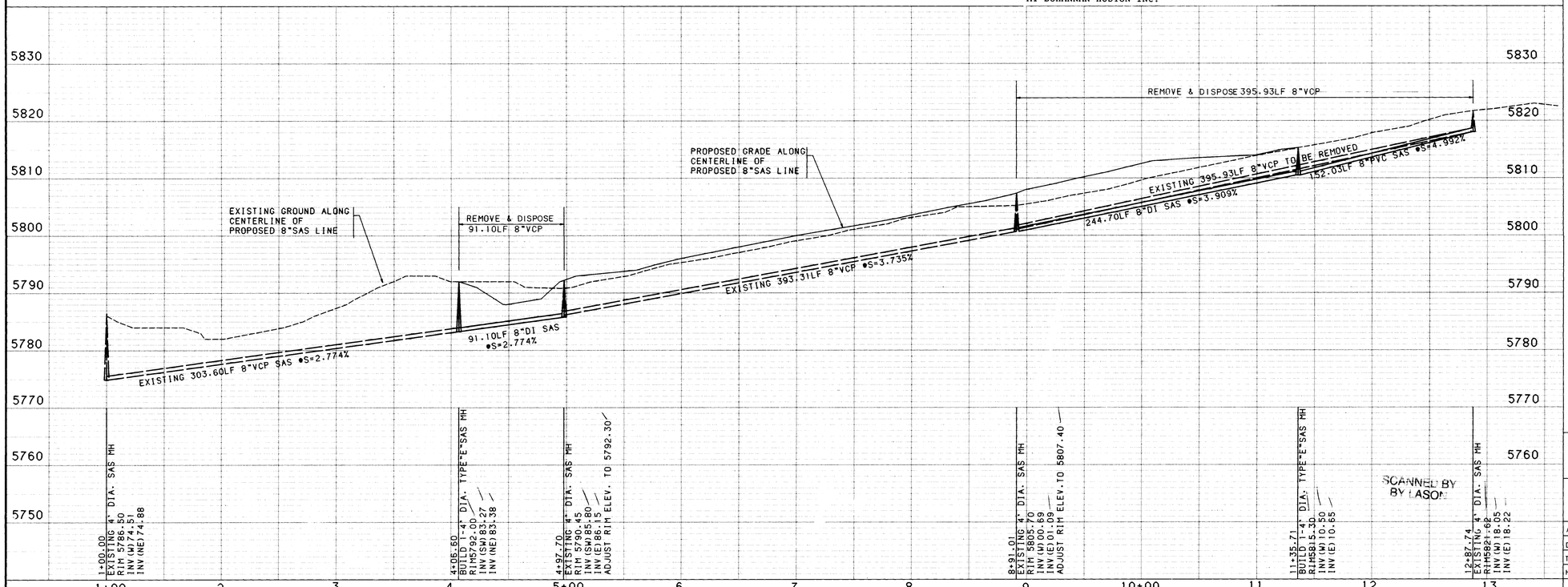
8. CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.

9. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.

10. ANY DAMAGE TO THE EXISTING FACILITIES (CURB AND GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.

11. REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).

12. WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.



SCANNED BY LASON

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

USERNAME: CDP:[C9118202.HYDRO.HEC2]
FILENAME: SAS.GRF

BHI JOB NO. 91182.06

AS-BUILT INFORMATION

CONTRACTOR: CSM
WORK STAKED BY: JLS
WORK ACCEPTANCE BY: DATE 3/3
FIELD VERIFICATION BY: JLS DATE 3/3
DRAWINGS CORRECTED BY: JLS DATE 3/3
MICRO-FILM INFORMATION
RECORDED BY: DATE
NO.:

BENCH MARKS

STATION IS A STANDARD USC&GS BRASS TABLET STAMPED "TUMBLE 1969" SET IN CONCRETE PROJECTING 0.2 FEET ABOVE GROUND, LOCATED 489 FEET WEST OF THE INTERSECTION OF SAN ANTONIO DRIVE AND TENNYSON STREET, AND 35 FEET NORTH OF RIGHT-OF-WAY LINE OF SAN ANTONIO DRIVE.
ELEVATION = 6009.155'

SURVEY INFORMATION

FIELD NOTES BY: JAMON CERTIFICATES BM1 (Pg. 13-26)
DATE: 10/86
NO.: BOOK 63750

ENGINEER'S SEAL

1-15-93

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DATE 1/93
		DESIGNED BY GJ/KLD	
		DRAWN BY TSG	DATE 1/93
		CHECKED BY KLD	DATE 1/93

1 2 3 4 5 6 14 15
26 4328.91309A

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING

ENCLAVE AT TANOAN
PINO ARROYO FLOODPLAIN ANALYSIS
SANITARY SEWER REDESIGN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	G.J. Academy	2-25-93	WATER	R.W. Kane	2-18-93
TRANSPORTATION	N/A	2-19-93	WASTE WATER	R.W. Kane	2-18-93
HYDROLOGY	D. Allen	2-22-93			

DRAWING NO. 4328.91 | MAP NO. E-22 | SHEET 30 OF 31

JAN. 15, 1993

COSTA DEL SOL

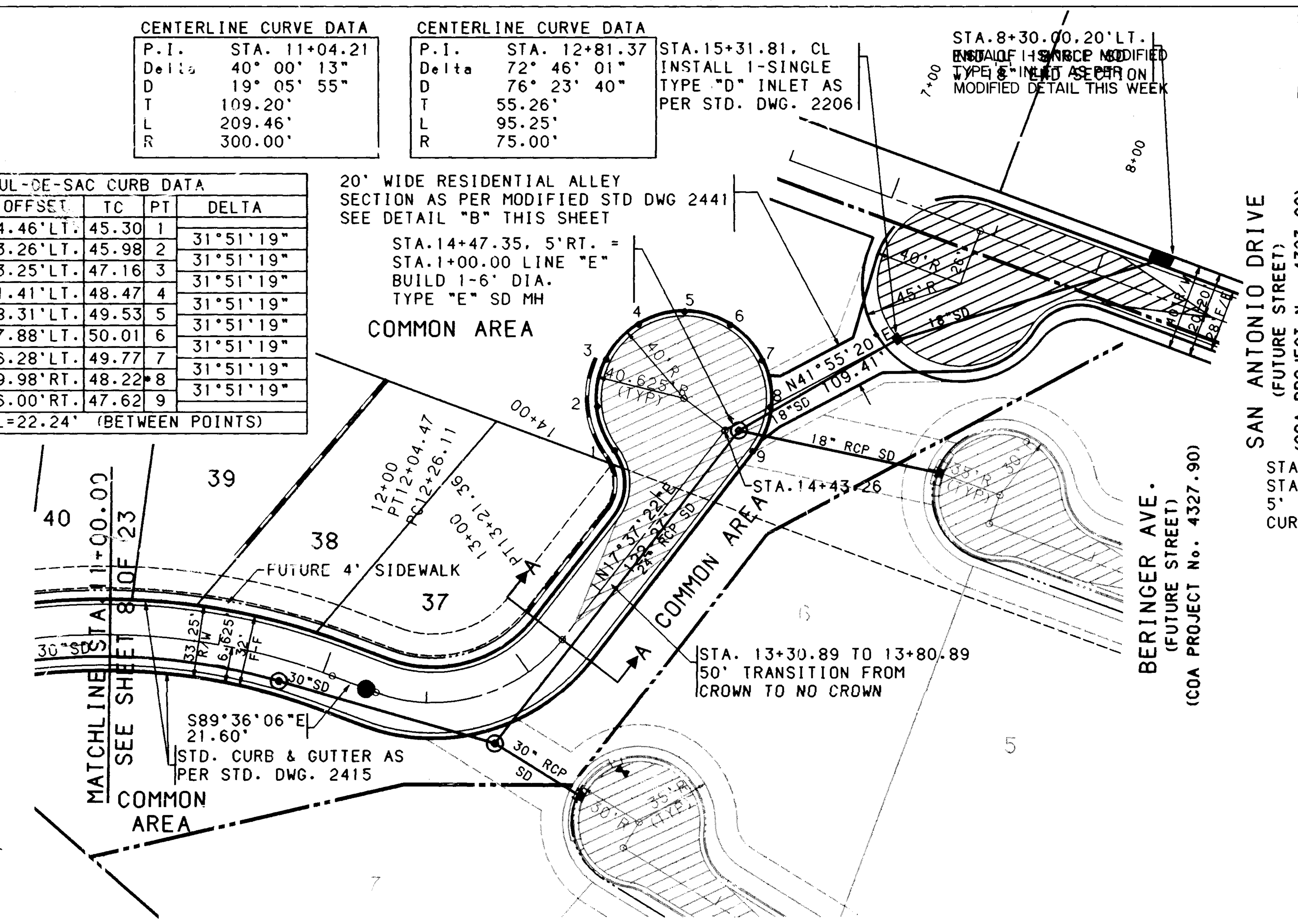
CENTERLINE CURVE DATA	
P.I.	STA. 11+04.21
Delta	40° 00' 13"
D	19° 05' 55"
T	109.20'
L	209.46'
R	300.00'

CENTERLINE CURVE DATA	
P.I.	STA. 12+81.37
Delta	72° 46' 01"
D	76° 23' 40"
T	55.26'
L	95.25'
R	75.00'

CUL-DE-SAC CURB DATA

STATION & OFFSET	TC	PT	DELTA
14+05.02,34.46'LT.	45.30	1	
14+16.36,53.26'LT.	45.98	2	31°51'19"
14+35.91,63.25'LT.	47.16	3	31°51'19"
14+57.78,61.41'LT.	48.47	4	31°51'19"
14+75.40,48.31'LT.	49.53	5	31°51'19"
14+83.44,27.88'LT.	50.01	6	31°51'19"
14+79.49, 6.28'LT.	49.77	7	31°51'19"
14+64.74, 9.98'RT.	48.22*	8	31°51'19"
14+43.63,16.00'RT.	47.62	9	31°51'19"
R=40.00', L=22.24' (BETWEEN POINTS)			

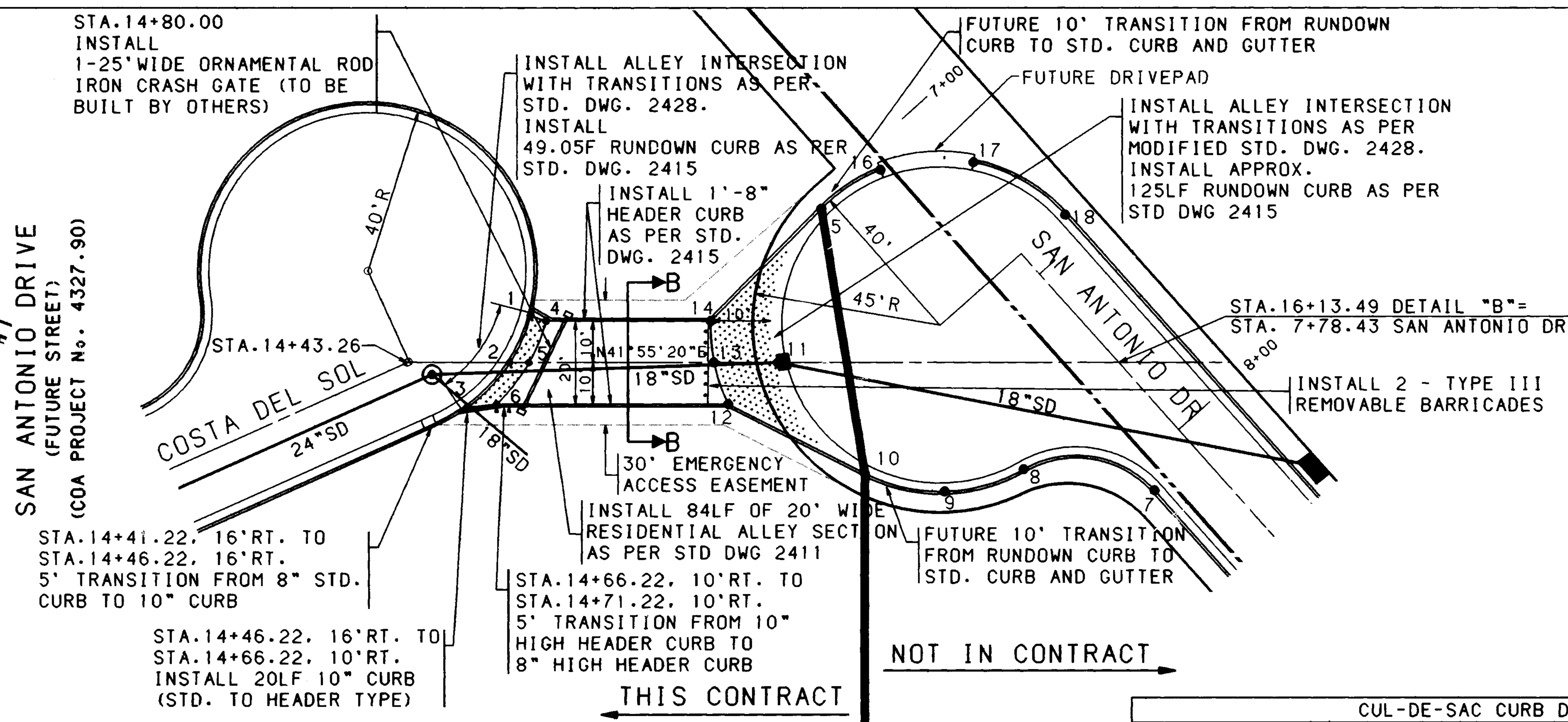
*FL ELEV.



STA.15+31.81, CL INSTALL 1-SINGLE TYPE "D" INLET AS PER STD. DWG. 2206
20' WIDE RESIDENTIAL ALLEY SECTION AS PER MODIFIED STD DWG 2441 SEE DETAIL "B" THIS SHEET
STA.14+47.35, 5'RT. = STA.1+00.00 LINE "E" BUILD 1-6' DIA. TYPE "E" SD MH
COMMON AREA
FUTURE 4' SIDEWALK
STA. 13+30.89 TO 13+80.89 50' TRANSITION FROM CROWN TO NO CROWN
S89°36'06"E 21.60'
STD. CURB & GUTTER AS PER STD. DWG. 2415
MATCHLINE STA. 11+00.00 SEE SHEET 8 OF 23
ZINFANDEL AVE. (FUTURE STREET) (COA PROJECT No. 4327.90)
BERINGER AVE. (FUTURE STREET) (COA PROJECT No. 4327.90)
SAN ANTONIO DRIVE (FUTURE STREET) (COA PROJECT No. 4327.90)

NOTE: FOR STORM DRAIN PLAN & PROFILE SEE SHEET 18-20 OF 23

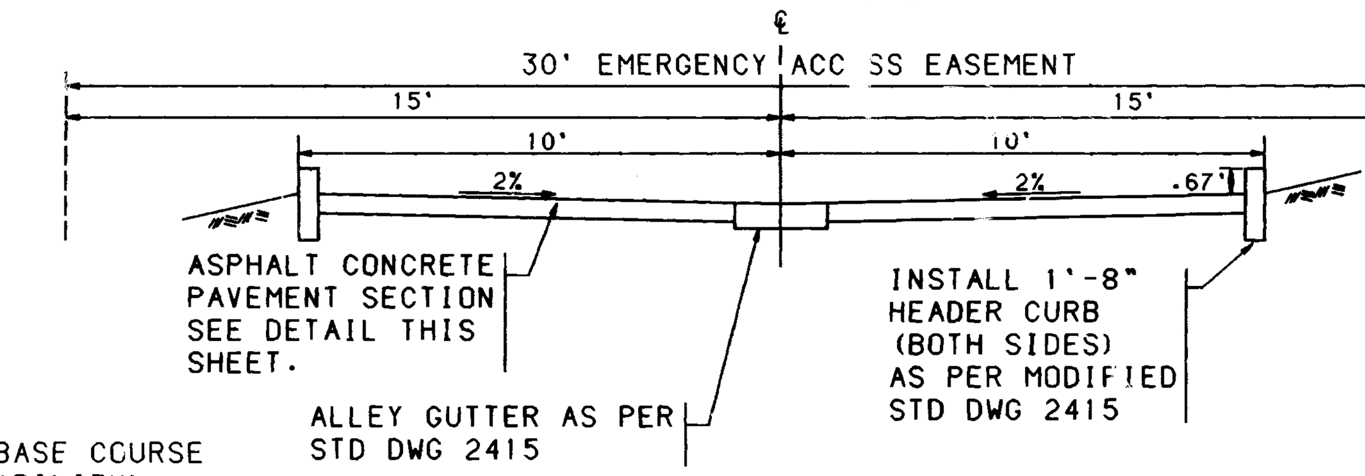
NOTE: FOR TYPICAL STREET SECTION A-A SEE SHEET 7 OF 23



STA.14+80.00 INSTALL 1-25' WIDE ORNAMENTAL ROD IRON CRASH GATE (TO BE BUILT BY OTHERS)
INSTALL ALLEY INTERSECTION WITH TRANSITIONS AS PER STD. DWG. 2428. INSTALL 49.05F RUNDOWN CURB AS PER STD. DWG. 2415
INSTALL 1'-8" HEADER CURB AS PER STD. DWG. 2415
30' EMERGENCY ACCESS EASEMENT
INSTALL 84LF OF 20' WIDE RESIDENTIAL ALLEY SECTION AS PER STD DWG 2411
FUTURE 10' TRANSITION FROM RUNDOWN CURB TO STD. CURB AND GUTTER
FUTURE DRIVEPAD
INSTALL ALLEY INTERSECTION WITH TRANSITIONS AS PER MODIFIED STD. DWG. 2428. INSTALL APPROX. 125LF RUNDOWN CURB AS PER STD DWG 2415
STA.16+13.49 DETAIL "B"= STA. 7+78.43 SAN ANTONIO DR.
INSTALL 2 - TYPE III REMOVABLE BARRICADES
STA.14+41.22, 16'RT. TO STA.14+46.22, 16'RT. 5' TRANSITION FROM 8" STD. CURB TO 10" CURB
STA.14+46.22, 16'RT. TO STA.14+66.22, 10'RT. INSTALL 20LF 10" CURB (STD. TO HEADER TYPE)
STA.14+66.22, 10'RT. TO STA.14+71.22, 10'RT. 5' TRANSITION FROM 10" HIGH HEADER CURB TO 8" HIGH HEADER CURB
NOT IN CONTRACT
THIS CONTRACT

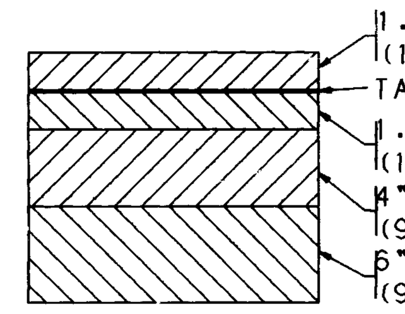
DETAIL B

NO SCALE



SECTION B-B

NO SCALE



ASPHALT CONCRETE SECTION

NO SCALE

CUL-DE-SAC CURB DATA				
PT	TC	FL	STATION & OFFSET ALONG LINE "B"	STATION & OFFSET ALONG SAN ANTONIO
1	49.56	48.89	14+72.67,12.94'LT.	-----
2	-----	48.22	14+67.11, CL	-----
3*	48.16	47.33	14+55.27,11.67'RT.	-----
4	49.70	49.03	14+77.73,10.00'LT.	-----
5	-----	48.60	14+77.73, CL	-----
6*	49.19	48.36	14+66.22,10.00'RT.	-----
7	55.17	54.50	16+22.00,30.72'RT.	8+07.07, 14.00'RT.
8	54.98	54.31	15+90.79,25.65'RT.	7+82.58, 34.00'RT.
9	54.88	54.21	15+71.83,30.99'RT.	7+50.81, 31.19'RT.
10	54.77	54.10	15+52.62,26.64'RT.	7+58.01, 63.23'RT.
11	-----	53.60	15+31.82, CL	7+24.28, 61.14'RT.
12	53.06	52.39	15+20.00,10.00'RT.	-----
13	52.86	52.19	15+16.53, CL	-----
14	53.06	52.39	15+15.80,10.00'LT.	-----
15	54.77	54.10	15+42.21,36.97'LT.	7+03.49, 28.85'RT.
16	-----	55.55	15+56.43,46.33'LT.	7+05.92, 12.00'RT.
17	-----	55.74	15+78.83,48.18'LT.	7+19.39, 6.00'LT.
18	55.89	55.22	16+00.73,35.52'LT.	7+43.39, 14.00'LT.

50 25 0 50

SCALE: 1" = 50' (HORIZ.)

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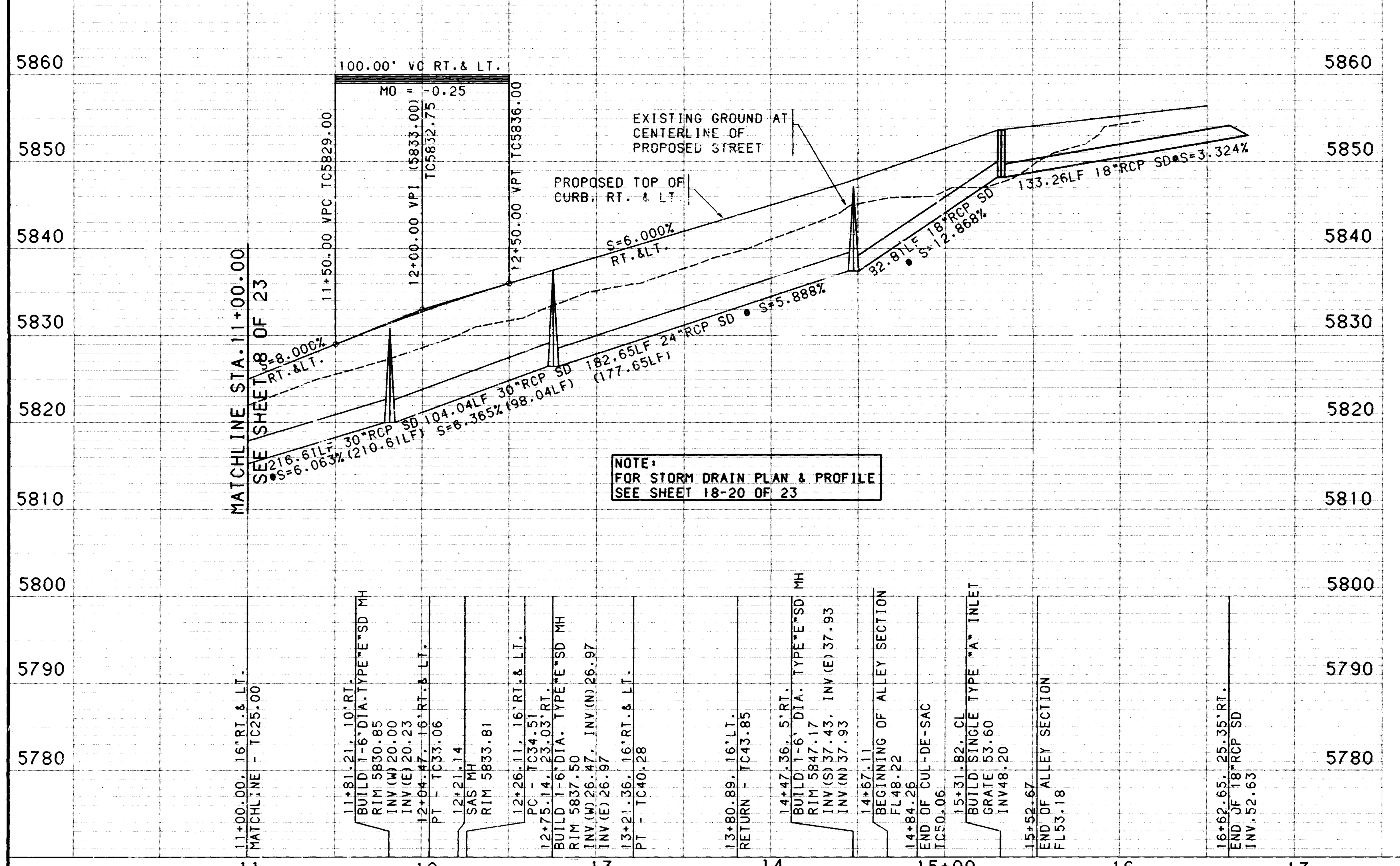
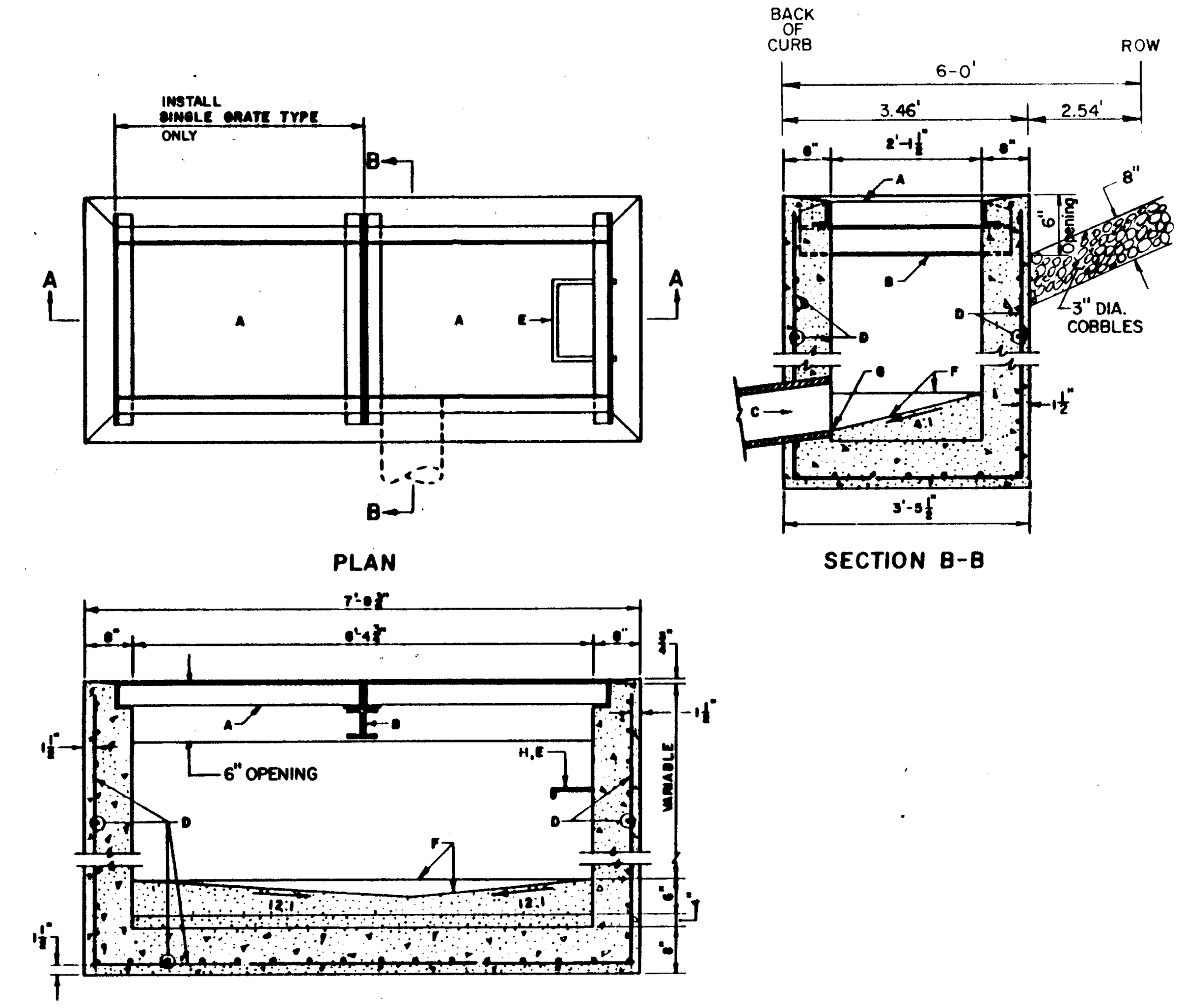


100.00' VC RT.& LT.
MO = -0.25
EXISTING GROUND AT CENTERLINE OF PROPOSED STREET
PROPOSED TOP OF CURB, RT. & LT.
S=6.000% RT.&LT.
216.61LF 30"RCP SD S=6.063% (210.61LF)
104.04LF 30"RCP SD S=6.365% (98.04LF)
182.65LF 24"RCP SD S=5.888% (177.65LF)
92.81LF 18"RCP SD S=12.868%
133.26LF 18"RCP SD S=3.324%
MATCHLINE STA. 11+00.00 SEE SHEET 8 OF 23
5860 5850 5840 5830 5820 5810 5800 5790 5780
11 12 13 14 15+00 16 17

NOTE: FOR STORM DRAIN PLAN & PROFILE SEE SHEET 18-20 OF 23



SCANNED BY BY LASON

BHI JOB NO. 91182.06

USERNAME: CDP:CC9118202.PWPJ
FILENAME: COSTA2.GRF

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

AS-BUILT INFORMATION: CONTRACTOR; STAKED BY; INSPECTOR'S ACCEPTANCE BY; FIELD VERIFICATION BY; DRAWINGS CORRECTED BY

MICRO-FILM INFORMATION: RECORDED BY; NO.; DATE

BENCH MARKS: STATION IS A STANDARD USCAGS BRASS TABLET STAMPED "TUMBLE 1969" SET IN CONCRETE PROJECTING 0.2 FEET ABOVE GROUND. LOCATED 489 FEET WEST OF THE INTERSECTION OF SAN ANTONIO DRIVE AND TENNYSON STREET, AND 35 FEET NORTH OF RIGHT-OF-WAY LINE OF SAN ANTONIO DRIVE. ELEVATION = 6009.155'

SURVEY INFORMATION — FIELD NOTES: NO. BOOK 83750; BY ANDAL CERTIFICATES BHI 13-2601; DATE 10/86

ENGINEER'S SEAL

REVISIONS: NO. | DATE | REMARKS | BY

DESIGN: DESIGNED BY G.J/KLD DATE 7/92; DRAWN BY T.G/PL DATE 7/92; CHECKED BY KLD

26 4328.913194

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING

ENCLAVE AT TANOAN
COSTA DEL SOL
PAVING & STORM DRAIN REDESIGN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	[signature]	2-25-93	WATER	N/A RWK	2-18-93
TRANSPORTATION	[signature]	2-15-93	WASTE WATER	N/A RWK	2-18-93
HYDROLOGY	[signature]	2-22-93			

DRAWING NO. 4328.91 | MAP NO. E-22 | SHEET 31 OF 31

SEPT. 8, 1992