

LEGEND

MATERIALS

CONCRETE
RIP-RAP

LINES

SUBDIVISION BOUNDARY
PROPERTY LINE (PLAN)
PROPERTY LINE (SECTION)
CENTERLINE
EASEMENT LINE
MATCH LINE
SECTION CUT LINE

EARTHWORK

CONTOUR LINE
SPOT ELEVATION
PROJECT / PHASE BOUNDARY
SWALE
DIRECTION OF FLOW

MISCELLANEOUS UTILITIES

GAS LINE
UNDERGROUND TELEPHONE
UNDERGROUND ELECTRICAL
STORM DRAIN
STORM DRAIN MANHOLE
STORM DRAIN INLET

SANITARY SEWER

SANITARY SEWER LINE
SANITARY SEWER MANHOLE
SAS SERVICE CONNECTIONS
SAS CAP OR PLUG
ENCASEMENT

WATER

WATER LINE
WATER SERVICE CONNECTIONS
GATE VALVE
FIRE HYDRANT
BUTTERFLY VALVE
REDUCER
WATER PRESSURE ZONE BOUNDARY

WATER FITTINGS

CAPS AND PLUGS
ELBOW
CROSS
TEE

MISCELLANEOUS

CHAINLINK FENCE
FIELD FENCE
COMMON YARD WALL
RETAINING WALL
POWER OR TELEPHONE POLE

CONSTRUCTION PLANS FOR ALYSSE PLACE ALBUQUERQUE, NEW MEXICO AUGUST, 1987

INDEX OF DRAWINGS

- COVER SHEET, INDEX OF DRAWINGS, GENERAL NOTES & LEGEND
3. - FINAL PLAT
5. - GRADING & DRAINAGE PLAN
6. PAVING & STORM DRAINAGE SITE PLAN & PAVING SECTIONS
7. WATER & SANITARY SEWER SITE PLAN

PAVING IMPROVEMENTS PLAN & PROFILE

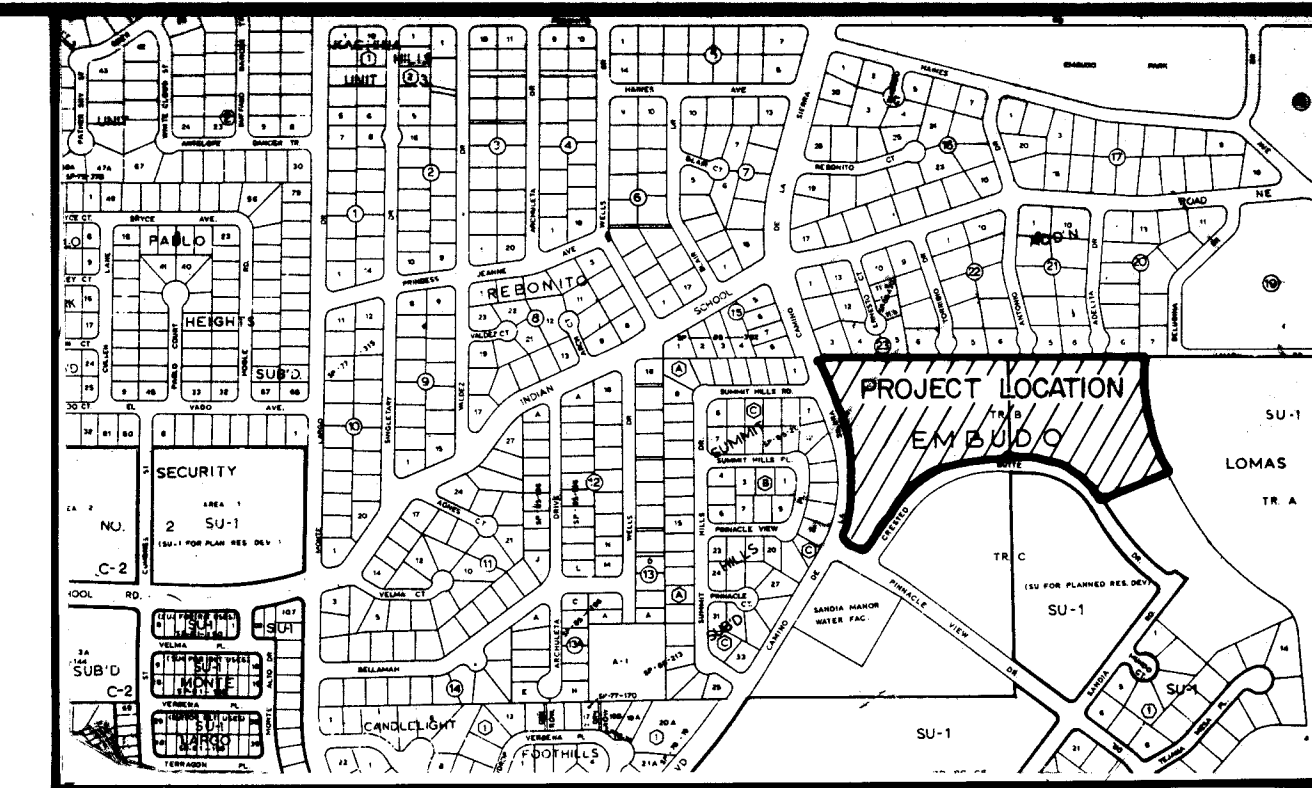
8. ABBY JEAN ROAD N.E.
STA. 10+00 TO STA. 21+78.51
9. KATIE ANN PLACE N.E.
STA. 10+00 TO STA. 14+31.77

WATER & SANITARY SEWER EXTENSIONS PLAN & PROFILE

10. ABBY JEAN ROAD N.E.
STA. 10+00 TO STA. 21+78.51
11. KATIE ANN PLACE N.E.
STA. 10+00 TO STA. 14+31.77

STORM DRAINAGE IMPROVEMENTS PLAN & PROFILE

12. TORRIBIO STORM DRAIN LINE; ANTONIO STORM DRAIN LINE;
ADELITA STORM DRAIN LINE
13. RETAINING WALLS



VICINITY MAP

SCALE: 1" = 800'

J-23

GENERAL NOTES:

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 - PUBLIC WORKS CONSTRUCTION - 1986.
2. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
3. 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 UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. 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 STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
4. SHOULD A CONFLICT EXIST BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY FOR ALL PARTIES.
5. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.
6. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING SAFETY AND HEALTH.
7. THE CONTRACTOR MUST SUBMIT A CONSTRUCTION SIGNING AND BARRICADING PLAN TO TRAFFIC ENGINEERING TO RECEIVE A BARRICADING PERMIT 48 HOURS PRIOR TO CONSTRUCTION.
8. ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
9. BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
10. TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
11. SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
12. IF CURB IS DEPRESSED FOR A DRIVEPAD OR A HANDICAP RAMP, THE DRIVEPAD OR RAMP SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF THE CURB AND GUTTER.
13. ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

APPROVAL OF AS-BUILT DRAWINGS
CONSTRUCTION ENGINEER
4-21-88

1 2 3 4 5 6 7 8 9 10 11 12
26 3 3 4 6 0 1 8 8

RECORD DRAWING

I, Jeffrey G. Mortensen, Registered Professional Engineer in the State of New Mexico, do hereby certify that these drawings represent the "as-built" conditions of this project as determined from survey information provided by Stephen E. Walker, NMPS No. 6401, Walker Surveying Company. All vertical and horizontal dimensions should be field verified prior to use on future projects.

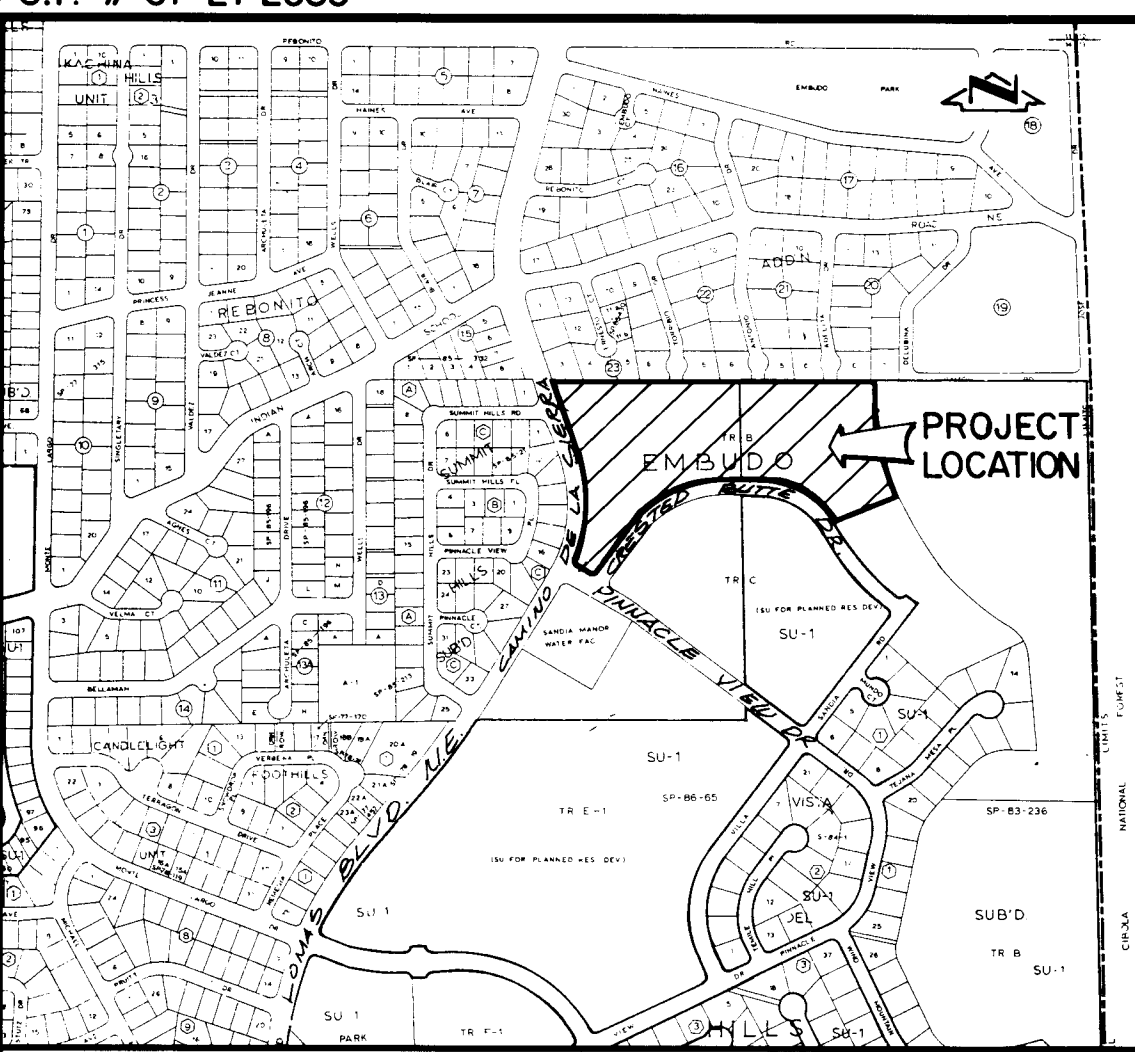
Jeffrey G. Mortensen
NMPE No. 6547
Date 03-30-88

T.M.A. # 870431

| REV. | SHEETS | CITY ENGINEER | DATE | USER DEPARTMENT | DATE | USER DEPARTMENT | DATE |
|------|--------|---------------|------|-----------------|------|-----------------|------|
| | | | | | | | |

APPROVAL OF REVISIONS

| | | |
|-----------------------|---------------|---|
| | | APPROVED FOR CONSTRUCTION 12-30-87 CE |
| DRAWING NO. # 3346 | SHEET 1 OF 13 | |



VICINITY MAP

J-23

NOTES:

1. A field survey was performed on 7-1-1987. All exterior corners set w/ #4 rebar & cap (NMLS #6401).
 2. 0.3 mi. full-width street was created.
 3. All distances are ground distances.
 4. Site located within Section 14, T10N, R4E, N.M.P.M.
 5. Bearings are grid bearings.
 6. The purpose of this plat is to subdivide Tract B into 44 lots plus create the appropriate public right-of-way and easements as shown hereon.
 7. No vehicular access to Camino de la Sierra N.E. shall be permitted.
 8. Corner lots shall have a front and sideyard setback of 20'.
 9. Lot frontages shall be designated hereon with the following symbol:
 10. Upon completion of construction of the streets, the City of Albuquerque approved monuments shall be placed at all street centerline P.C.'s & P.T.'s, angle points and street intersections in lieu of subdivision block corner monumentation. Monument locations are designated by "O".
- Public Utility easements shown on this plat are ten (10) feet wide and are granted for the common and joint use of:
- A. The Public Service Company of New Mexico for the installation, maintenance, and service of overhead and underground electrical lines, transformers, and other equipment necessary to provide electrical service.
 - B. The Gas Company of New Mexico for the installation, maintenance, and service of natural gas lines, valves and other equipment necessary to provide natural gas.
 - C. Mountain Bell for the installation, maintenance and service of all buried and aerial communication lines and other related equipment and facilities reasonably necessary to provide communication services, including but not limited to above ground pedestals and closures.
 - D. Jones Interchange for the installation, maintenance and service of such lines, cables, and other related equipment and facilities reasonably necessary to provide Cable TV service.

Included is the right of ingress and egress for the construction and maintenance and the right to trim interfering trees and shrubs. Also included is the right to install and maintain service lines.

SUBDIVISION PLAT OF ALYSSE PLACE ALBUQUERQUE, NEW MEXICO AUGUST, 1987

DESCRIPTION

A certain tract of land located within the Corporate Limits of the City of Albuquerque, New Mexico, comprising Tract B, Embudo Hills as shown on the plat filed in the Office of the County Clerk of Bernalillo County, New Mexico on April 19, 1984, Book C-23, Page 161, and being more particularly described as follows:

Beginning at the northwest corner of the parcel herein described, being common with the northwest corner of former Tract B, and being a point on the east right-of-way line of Camino de la Sierra N.E.; thence S 89°31'45" E a distance of 1,233.17 feet; thence S 00°28'15" W a distance of 34.87 feet; thence along the arc of a curve to the left with DELTA = 23°10'48", R = 1,074.41 feet and L = 434.67 feet; thence S 68°00'32" W a distance of 264.17 feet to a point on the north right-of-way line of Crested Butte Drive N.E.; thence along the arc of a curve to the left with DELTA = 56°41'14", R = 330.88 feet and L = 327.37 feet along said right-of-way line; thence N 87°00'23" W a distance of 124.73 feet along said right-of-way line; thence along the arc of a curve to the left with DELTA = 57°08'11", R = 447.41 feet, and L = 446.17 feet along said right-of-way line; thence S 35°51'27" W a distance of 194.83 feet along said right-of-way line; thence along the arc of a curve to the right with DELTA = 85°05'41", R = 25.00 feet, and L = 37.13 feet to a point on the north right-of-way line of Pinnacle View Drive N.E.; thence N 59°02'52" W a distance of 60.72 feet; thence along the arc of a curve to the right with DELTA = 81°22'14", R = 25.00 feet, and L = 35.50 feet to a point on the east right-of-way line of Camino de la Sierra N.E.; thence along the arc of a curve to the left with DELTA = 41°19'08", R = 581.49 feet, and L = 419.34 feet along said right-of-way line; thence N 18°59'46" W a distance of 290.56 feet along said right-of-way line to the point of beginning and containing 13.3354 acres more or less.

11. The maintenance of the Public Drainage Easements shown hereon shall be the responsibility of the respective lot owner. The City has the right to enter upon the Property at any time and perform whatever inspection of the Easement it deems appropriate, without liability to the Owner. The City may send written notice ("Notice") to the Owner requiring the Owner to construct or repair the Drainage Easement within 90 days ("Deadline") of receipt of the Notice and the Owner will comply promptly with the requirements of the Notice. The Owner will perform all required work by the Deadline, at Owner's sole expense. If the Owner fails to comply with the terms of the Notice by the Deadline, or if the City determines that an emergency condition exists, the City may perform the work itself. The City then may assess the Owner for the cost of the work and for any other expenses or damages which result from Owner's failure to perform. The Owner agrees promptly to pay the City the amount assessed. If the Owner fails to pay the City within thirty (30) days after the City gives the Owner written notice of the amount due, the City may impose a lien against Owner's Property for the total resulting amount. The City shall not be liable to the Owner for any damages resulting from the City's repair or maintenance following notice to the Owner as required in this agreement or in an emergency unless the damages are the result of the reckless conduct or gross negligence of the City. As a part of the consideration for this grant, subject to the provisions of the New Mexico Tort Claims Act and all other applicable New Mexico laws, the City agrees to save Owner harmless from any and all liability arising from the City's negligent use of the Drainage Easement. The City does not agree to save Owner harmless from any liability which may arise from Owner's use of the Easement and the Property.



811 DALLAS N.E. • ALBUQUERQUE • NEW MEXICO • 87110
ENGINEERS

JOB No. 870431

DEDICATION AND FREE CONSENT

The undersigned owners of the land shown hereon do hereby consent to the subdivision of said land in the manner shown on this plat and do hereby dedicate public rights-of-way and grant the easements shown hereon including the rights of ingress and egress and the right to trim interfering trees.

TIM A. BRENNAN, PARTNER, Alysse Place Joint Venture

MIKE MECHENBIE, PARTNER, Alysse Place Joint Venture
ACKNOWLEDGEMENTSTATE OF NEW MEXICO)
COUNTY OF BERNALILLO)OFFICIAL SEAL
CHARLES K. SALA, JR.
Notary Public, State of New Mexico
My Commission Expires 5-6-89The foregoing instrument was acknowledged before me this
20th day of August, 1987.Charles K. Sala,
Notary Public

APPROVALS:

Planning Director, City of Albuquerque, N.M. Date

Water Utilities, City of Albuquerque, N.M. Date

City Engineer, City of Albuquerque Date

A.M.A.F.C.A. Date

Traffic Engineer, City of Albuquerque, N.M. Date

Parks and Recreation, City of Albuquerque, N.M. Date

Chief City Surveyor, City of Albuquerque, N.M. Date 082487

Property Manager, City of Albuquerque, N.M. Date 8-24-87

Public Service Company of New Mexico Date 9-25-87

Gas Company of New Mexico Date 9-9-87

Mountain Bell Date 9-15-87

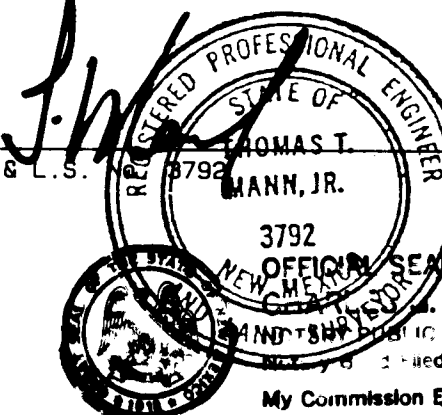
Albuquerque Cable T.V. Date 9-30-87

CERTIFICATION

I, Thomas T. Mann, Jr., a registered Land Surveyor under the laws of the State of New Mexico, do hereby certify that this plat was prepared by me or under my supervision; shows all easements noted in a title report prepared by SAFECO TITLE INSURANCE on MAY 20, 1987 (11-6967-JK); meets the minimum requirements of monumentation and surveys of the Albuquerque Subdivision Ordinance, and is true and correct to the best of my knowledge and belief.

Thomas T. Mann, Jr., N.M.P.E. & L.S. 3792
MANN, JR. Date 8-20-87

ACKNOWLEDGEMENT

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO)The foregoing instrument was acknowledged before me on this
day of August, 1987.
Charles K. Sala,
Notary Public

SHEET 1 OF 3



SUBDIVISION PLAT OF ALYSSE PLACE ALBUQUERQUE, NEW MEXICO AUGUST, 1987

| LINE | BEARINGS | DISTANCE | | |
|-------|---------------|-----------|--------|------------|
| L1 | N 84°51'37" E | 60.72 | | |
| L2 | N 44°27'30" W | 22.70 | | |
| L3 | N 0°28'15" E | 45.05 | | |
| L4 | N 0°28'15" E | 25.72 | | |
| L5 | N 18°59'46" W | 24.42 | | |
| L6 | S 44°27'30" E | 22.70 | | |
| L7 | N 44°27'30" W | 22.70 | | |
| CURVE | ARC | DELTA | RADIUS | TAN LENGTH |
| C1 | 37.13 | 85°05'41" | 25.00 | 22.25 |
| C2 | 35.50 | 81°22'14" | 25.00 | 21.49 |
| C3 | 21.03 | 48°11'29" | 25.00 | 11.18 |
| C4 | 14.78 | 18°57'13" | 25.00 | 7.45 |
| C5 | 21.03 | 48°11'29" | 25.00 | 11.18 |
| C6 | 3.65 | 0°40'12" | 255.00 | 1.85 |
| C7 | 36.31 | 0°03'32" | 255.00 | 18.19 |
| C8 | 36.62 | 83°35'28" | 25.00 | 22.45 |
| C9 | 29.18 | 3°36'31" | 447.41 | 14.03 |
| C10 | 36.62 | 83°35'28" | 25.00 | 22.45 |
| C11 | 28.24 | 5°00'04" | 50.00 | 26.00 |
| C12 | 27.44 | 0°04'32" | 447.41 | 23.74 |
| C13 | 27.44 | 0°04'32" | 447.41 | 23.74 |

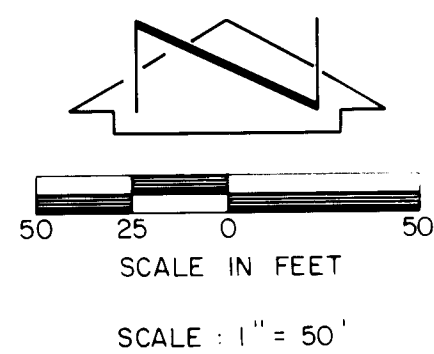


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ENGINEERS

JOB No. 870431

SHEET 2 OF 3

S.P. # 07-27-2583



5' PRIVATE DRAINAGE EASEMENT BY THIS PLAT. MAINTENANCE SHALL BE THE RESPONSIBILITY OF THE ADJACENT PROPERTY OWNER



SUBDIVISION PLAT OF
ALYSSE PLACE
ALBUQUERQUE, NEW MEXICO
AUGUST, 1987

TRACT A
LOMAS SUBD. NO. 2
FILED 9-1-1983, BK C22, PG 9

TRACT D, EMBUDO HILLS
FILED 4-18-1984, BK C23, PG 161

| LINE | BEARING | DISTANCE |
|------|---------------|----------|
| L1 | S 0°28'15" W | 34.87 |
| L2 | S 11°07'09" E | 27.82 |
| L3 | N 11°07'09" W | 27.82 |
| L4 | S 11°07'09" E | 27.82 |

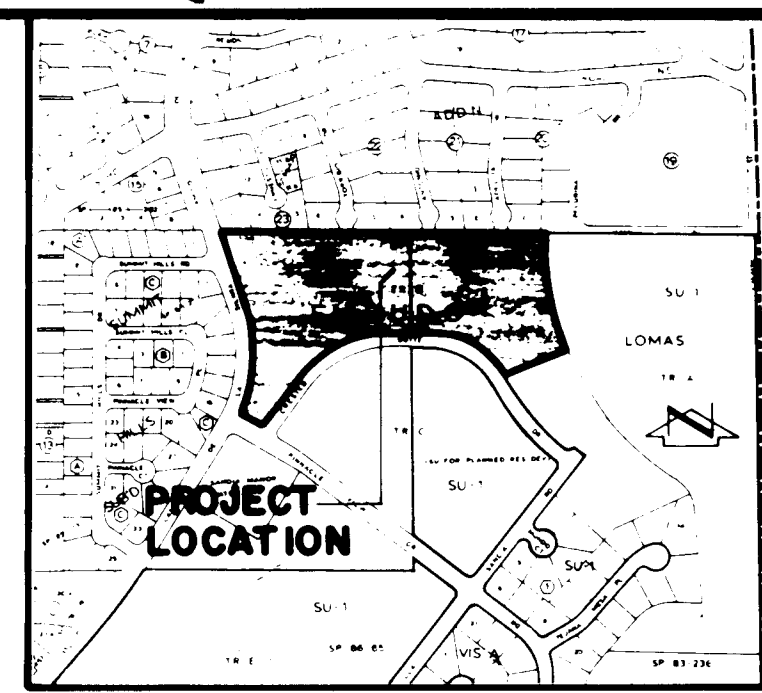
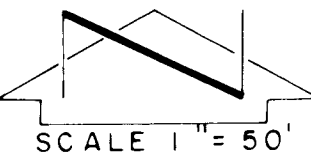
| CURVE | ARC | DELTA | RADIUS | TAN LENGTH |
|-------|-------|-----------|--------|------------|
| C1 | 35.75 | 81°58'24" | 25.00 | 21.70 |
| C2 | 21.65 | 4°51'55" | 255.00 | 10.83 |
| C3 | 27.45 | 6°10'06" | 255.00 | 13.74 |
| C4 | 28.07 | 6°43'52" | 25.00 | 15.72 |
| C5 | 34.30 | 38°18'13" | 50.00 | 17.86 |
| C6 | 28.07 | 84°18'26" | 25.00 | 15.72 |
| C7 | 9.51 | 5°08'16" | 255.00 | 4.76 |
| C8 | 4.15 | 2°22'33" | 100.00 | 2.07 |
| C9 | 8.72 | 10°59'27" | 25.00 | 4.44 |
| C10 | 13.39 | 30°41'05" | 25.00 | 6.86 |
| C11 | 35.75 | 40°58'36" | 50.00 | 18.88 |
| C12 | 21.03 | 48°11'23" | 25.00 | 11.18 |
| C13 | 68.43 | 78°24'38" | 50.00 | 40.79 |
| C14 | 36.48 | 10°11'47" | 205.00 | 18.29 |
| C15 | 35.75 | 81°58'24" | 25.00 | 21.70 |
| C16 | 46.54 | 8°04'36" | 330.88 | 23.36 |
| C17 | 46.54 | 8°04'36" | 330.88 | 23.36 |



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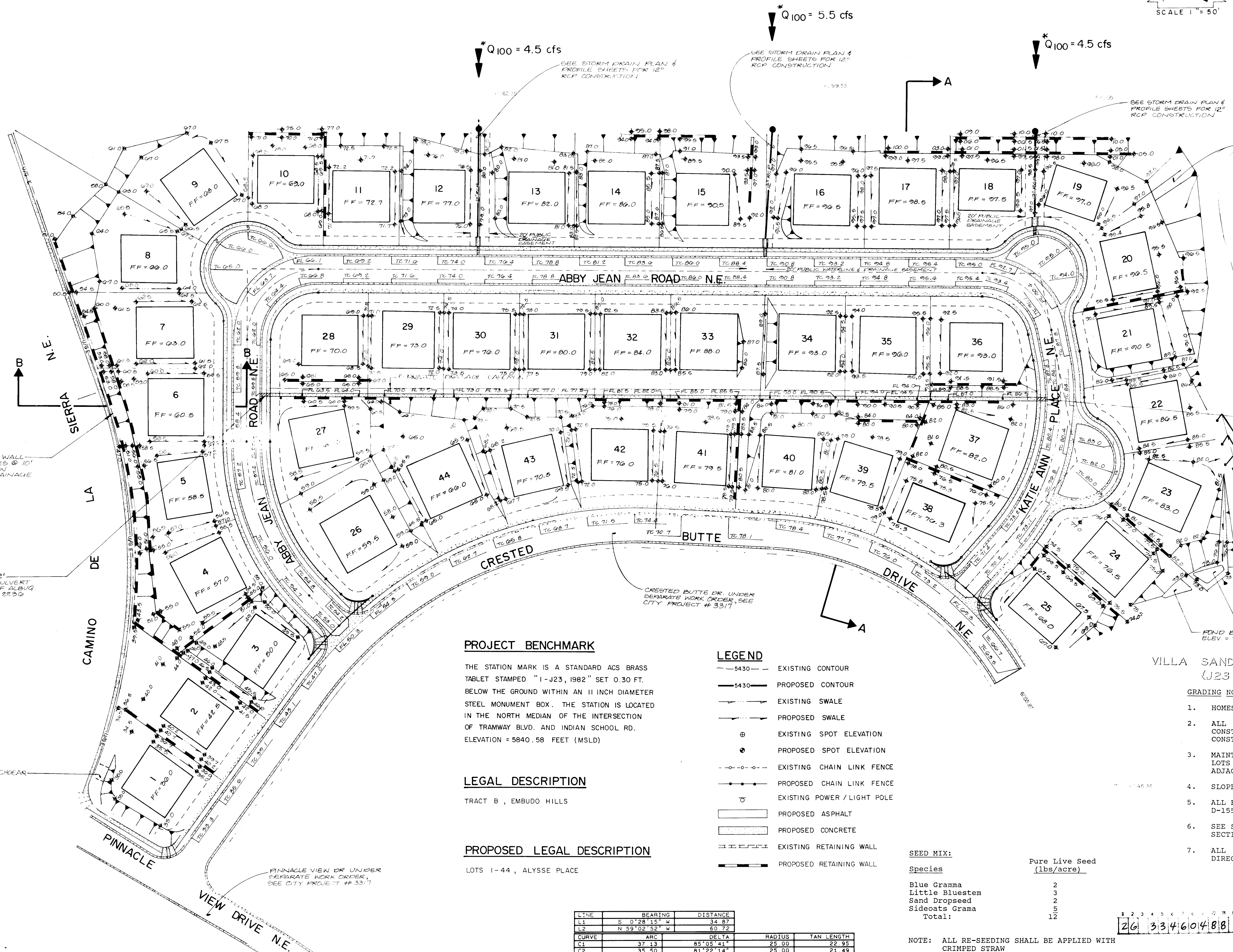
JOB No. 870431

SHEET 3 OF 3



VICINITY MAP
SCALE 1" = 800'

J-23



CONTRACTOR TO RE-SEED
BEYOND PROPERTY LINE
WITH NATIVE GRASSES. SEE
BELOW FOR MIX & APPLICATION
RATE. ALL RE-SEEDING SHALL
BE APPLIED WITH CRIMPED STRAW.

NOTE:
OFFSITE GRADING TO BE PERFORMED
UNDER PERMISSION GRANTED BY OPEN
SPACE / PARKS & RECREATION DEPT.
CONTRACTOR SHALL NOT DISTURB
EXISTING FENCE OR BOULDERS
WITHIN THESE AREAS.

APPROVED FOR GRADING WITHIN OPEN SPACE:
DATE: 11/15/87

CONSTRUCT 2' SIDEWALK CULVERT PER
CITY OF ALBUQ. STD. DRAWING 22-20

25' MAX. LIMIT OF
OFFSITE GRADING

GRADE SWALE FOR DIRECTION
OF OFFSITE FLOW

POND BOTTOM
ELEV = 72.0

POND BOTTOM
ELEV = 70.0

DIVERSION TO OPEN SPACE
OFFSITE FLOW TO LA
SANDIA ROAD AS APPROVED
UNDER J23-D9D

CONSTRUCT 2' SIDEWALK CULVERT PER
CITY OF ALBUQ. STD. DRAWING 22-20

CONSTRUCT 2' SIDEWALK CULVERT PER
CITY OF ALBUQ. STD. DRAWING 22-20

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CITY OF ALBUQ. STD. DRAWING 22-20

CONSTRUCT 2' SIDEWALK CULVERT PER
CITY OF ALBUQ. STD. DRAWING 22-20

PROJECT BENCHMARK

THE STATION MARK IS A STANDARD ACS BRASS
TABLET STAMPED "1-J23, 1982" SET 0.30 FT.
BELOW THE GROUND WITHIN AN 11 INCH DIAMETER
STEEL MONUMENT BOX. THE STATION IS LOCATED
IN THE NORTH MEDIAN OF THE INTERSECTION
OF TRAMWAY BLVD. AND INDIAN SCHOOL RD.
ELEVATION = 5840.58 FEET (MSLD)

LEGAL DESCRIPTION

TRACT B, EMBUDO HILLS

PROPOSED LEGAL DESCRIPTION

LOTS 1-44, AYSSE PLACE

LEGEND

- 5430 — EXISTING CONTOUR
- 5430 — PROPOSED CONTOUR
- — — — — EXISTING SWALE
- — — — — PROPOSED SWALE
- ⊕ EXISTING SPOT ELEVATION
- ⊙ PROPOSED SPOT ELEVATION
- - - - - EXISTING CHAIN LINK FENCE
- - - - - PROPOSED CHAIN LINK FENCE
- ⊙ EXISTING POWER / LIGHT POLE
- ▭ PROPOSED ASPHALT
- ▭ PROPOSED CONCRETE
- ▭ EXISTING RETAINING WALL
- ▭ PROPOSED RETAINING WALL

SEED MIX:

| Species | Pure Live Seed (lbs/acre) |
|-----------------|------------------------------|
| Blue Gramma | 2 |
| Little Bluestem | 3 |
| Sand Dropseed | 2 |
| Sideoats Grama | 5 |
| Total: | 12 |

NOTE: ALL RE-SEEDING SHALL BE APPLIED WITH
CRIMPED STRAW

| LINE | BEARING | DISTANCE |
|------|---------------|------------|
| L1 | S 0°28'15" W | 34.87 |
| L2 | N 59°02'52" W | 60.72 |
| ARC | | DELTA |
| C1 | 37.13 | 85°05'41" |
| C2 | 35.50 | 81°22'14" |
| | | RADIUS |
| | | TAN LENGTH |
| | | 25.00 |
| | | 22.95 |
| | | 21.49 |

VILLA SANDIA TOWNHOUSES
(J23-D9D)

GRADING NOTES:

- HOMES WILL BE CUSTOM.
- ALL DRIVEPADS AND SIDEWALKS WILL BE
CONSTRUCTED IN CONJUNCTION WITH THE
CONSTRUCTION OF EACH HOUSE.
- MAINTENANCE OF THE SMALL DRAINAGE CHANNEL ON
LOTS 28-36 SHALL BE THE RESPONSIBILITY OF THE
ADJACENT PROPERTY OWNER.
- SLOPES SHALL NOT EXCEED 3:1
- ALL FILL SHALL BE CLEAN & COMPACTED @ 95% ASTM
D-1557.
- SEE SHEET 13 OF 13 FOR TYPICAL RETAINING WALL
SECTIONS.
- ALL ROOF RUNOFF FROM LOTS 4 - 9 SHALL BE
DIRECTED TO THE FRONT YARD.

APPROVED FOR ROUGH GRADING ± 1'

G.S. Reeder, P.E. 10/23/87
Hydrology Section



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ENGINEERS

| NO. | DATE | BY | REVISIONS |
|-----|------|----|-----------|
| | | | |
| | | | |
| | | | |

DESIGNED BY J.G.M.
DRAWN BY H.P./PAT.
APPROVED J.G.M.

JOB NO.
870431
DATE
4-87

GRADING AND DRAINAGE PLAN
ALYSSE PLACE

DRAWING NO.
3346
SHEET **4** OF **13**

DRAINAGE PLAN

The following items concerning the Alysse Place Subdivision Drainage Plan are contained hereon:

1. Vicinity Map
2. Grading Plan
3. Calculations

As shown by the Vicinity Map, the site is located on the north side of Crested Butte Drive N.E. and just east of Camino de la Sierra N.E. At present, the site is undeveloped and zoned for special use/residential development. The site to the north is partially developed as a residential development. The site to the south is proposed to be developed as a residential development. The land to the east is designated as open space and/or undeveloped.

As shown by Plate 31 of the Federal Emergency Management Agency Flood Hazard Boundary Maps, the site does not lie within a designated Flood Hazard Zone. Furthermore, the site does not contribute runoff to a designated flood hazard zone. At present, the site drains to the south. As discussed in the drainage plan prepared by this office entitled "Drainage Report for Pinnacle View Drive N.E. and Crested Butte Drive N.E.", runoff from the site will be collected by the street system and routed in a southeasterly direction to an existing storm drain system in Villa Sandia Road. As discussed in the report, a free discharge is warranted from the proposed development.

Offsite flows enter the site from the north via three 18" RCP pipes which extend from the southerly ends of Toribio Drive N.E., Antonio Drive N.E. and Adelita Drive N.E. These pipes carry approximately 4.5 cfs during the 100-year event. As per the drainage plan, the storm drain pipes have been extended to discharge into Abby Road. The storm drain profiles are included with this submittal. Runoff to the west of the site is contained within Camino de la Sierra Drive and does not enter the project site. Runoff to the east of the site drains to the south and does not enter the project site. Runoff to the south of the site is contained within Crested Butte Drive N.E. and does not enter the site. Therefore, the only offsite flows which enter the site are from these 18" RCP pipes.

The Grading Plan shows 1) existing grades shown by spot elevations and contours at 1'0" intervals, 2) proposed grades indicated by spot elevations, 3) existing and proposed street grades indicated by top of curb elevations, 4) the limit and character of the existing improvements, 5) the limit and character of the proposed improvements and 6) continuity between existing and proposed grades. As shown by the grading plan, the proposed improvements will consist of the construction of a looped public street within the site (street grades are attached), along with the development of residential lots. The finished grades shown hereon will permit the rough grading of each of the lots in a manner which is consistent with City of Albuquerque Standards. Lots have been graded such that roof drainage and front yard drainage will be directed towards public right-of-way. Rear yard drainage will either be ponded, or in the case of lots #28 - #36, will be collected in a small trickle channel and directed to the street right-of-way. Rear drainage on Lots 1-8 will be discharged through weep holes in the retaining wall into public right-of-way. The calculations have assumed that all runoff generated onsite will be discharged to the street to public right-of-way.

The Calculations which appear hereon analyze both the existing and developed conditions for the 100-year, 6-hour rainfall event. The Rational Method has been used to quantify the peak rate of discharge and the SCS Method has been used to quantify the volume of runoff. Both Methods have been used in accordance with the City of Albuquerque Development Process Manual, Volume II, and the Mayor's Emergency Rule adopted January 14, 1986. As shown by these calculations, the proposed improvements will result in an overall increase in runoff generated by this site.

Sidewalk Culvert Capacity

Orifice Equation:

$$Q = CA\sqrt{2gh} = 5 \text{ cfs} > Q_{10}$$

Where C = 0.8

$$A = 2(0.67)$$

$$g = 32.2 \text{ ft/sec}^2$$

$$h = 1/2(0.67)$$

Trickle Channel Capacity

Manning Equation:

$$Q = \frac{1.49}{n} AR^{2/3} S^{1/2}$$

Where n = 0.017

$$A = 2 \times 0.5 = 1.0$$

$$R = 1.0/3.0 = 0.33$$

$$S = 0.0100 \text{ (minimum)}$$

$$q = 4.2 \text{ cfs}$$

Qcontributing

$$A = 0.5 \text{ Ac (maximum)}$$

$$C = 0.54$$

$$i = 5.50$$

$$Q = 2.7 \text{ cfs}$$

CALCULATIONS

Ground Cover Information

From SCS Bernalillo County Soil Survey,
Plate 32 - Te, Tesajo - Millett Stony Sandy loams
Hydrologic Soil Group: A
Existing Pervious CN = 54 (DPM Plate 22.2 C-2
Pasture or Range Land: fair condition)
Developed Pervious CN = 39 (DPM Plate 22.2 C-2)

Time of Concentration/Time to Peak

$$T_c = 0.0078 L^{0.77}/S^{0.385} \text{ (Kirpich Equation)}$$

$$T_p = T_c = 10 \text{ min.}$$

Point Rainfall

$$P_6 = 2.6 \text{ in. (DPM Plate 22.2 D-1)}$$

Rational Method

$$\text{Discharge: } Q = CiA$$

where C varies

$$i = P_6 (6.94) T_c^{-0.51} = 5.50 \text{ in/hr}$$

$$P_6 = 2.6 \text{ in (DPM Plate 22.2D-1)}$$

$$T_c = 10 \text{ min (minimum)}$$

$$A = \text{area, acres}$$

SCS Method

$$\text{Volume: } V = 3630(\text{DRO}) A$$

Where DRO = Direct runoff in inches

$$A = \text{area, acres}$$

Existing Condition

$$A_{\text{total}} = 581,000 \text{ sf} = 13.3 \text{ Ac}$$

$$\text{Undeveloped area} = 581,000 \text{ sf}$$

$$C = 0.40 \text{ (Weighted average per Emergency Rule, 1/14/86)}$$

$$Q_{100} = CiA = 29.3$$

$$A_{\text{imp}} = 0 \text{ sf; } \% \text{ impervious} = 0 \%$$

$$\text{Composite CN} = 54 \text{ (DPM Plate 22.2 C-3)}$$

$$\text{DRO} = 0.15 \text{ in (DPM Plate 22.2 C-4)}$$

$$V_{100} = 3630 (\text{DRO}) A = 7,250 \text{ cf}$$

Developed Condition

$$A_{\text{total}} = 581,000 \text{ sf} = 13.3 \text{ Ac}$$

$$\text{Roof area} = 133,000 \text{ sf (0.23)}$$

$$\text{Paved area} = 118,250 \text{ sf (0.20)}$$

$$\text{Landscaped area} = 329,750 \text{ sf (0.57)}$$

$$C = 0.54 \text{ (Weighted average per Emergency Rule, 1/14/86)}$$

$$Q_{100} = CiA = 39.5$$

$$A_{\text{imp}} = 251,250 \text{ sf; } \% \text{ impervious} = 43 \%$$

$$\text{Composite CN} = 65 \text{ (DPM Plate 22.2 C-3)}$$

$$\text{DRO} = 0.4 \text{ in (DPM Plate 22.2 C-4)}$$

$$V_{100} = 3630 (\text{DRO}) A = 19,300 \text{ cf}$$

Comparison

$$\Delta Q_{100} = 10.2 \text{ cfs (increase)}$$

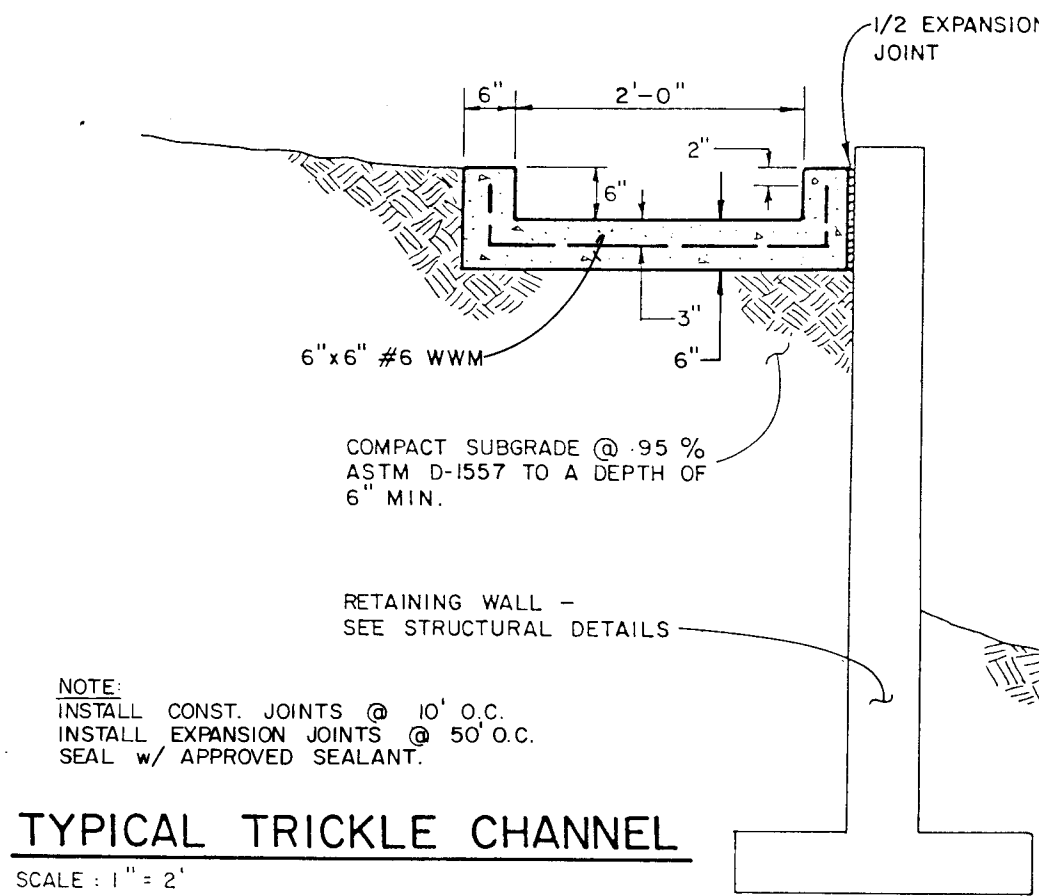
$$\Delta V_{100} = 12,050 \text{ cf (increase)}$$

CONSTRUCTION NOTES:

1. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE 765-1234, FOR LOCATION OF EXISTING UTILITIES.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
3. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
4. ALL CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.
5. 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 UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. 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 STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.

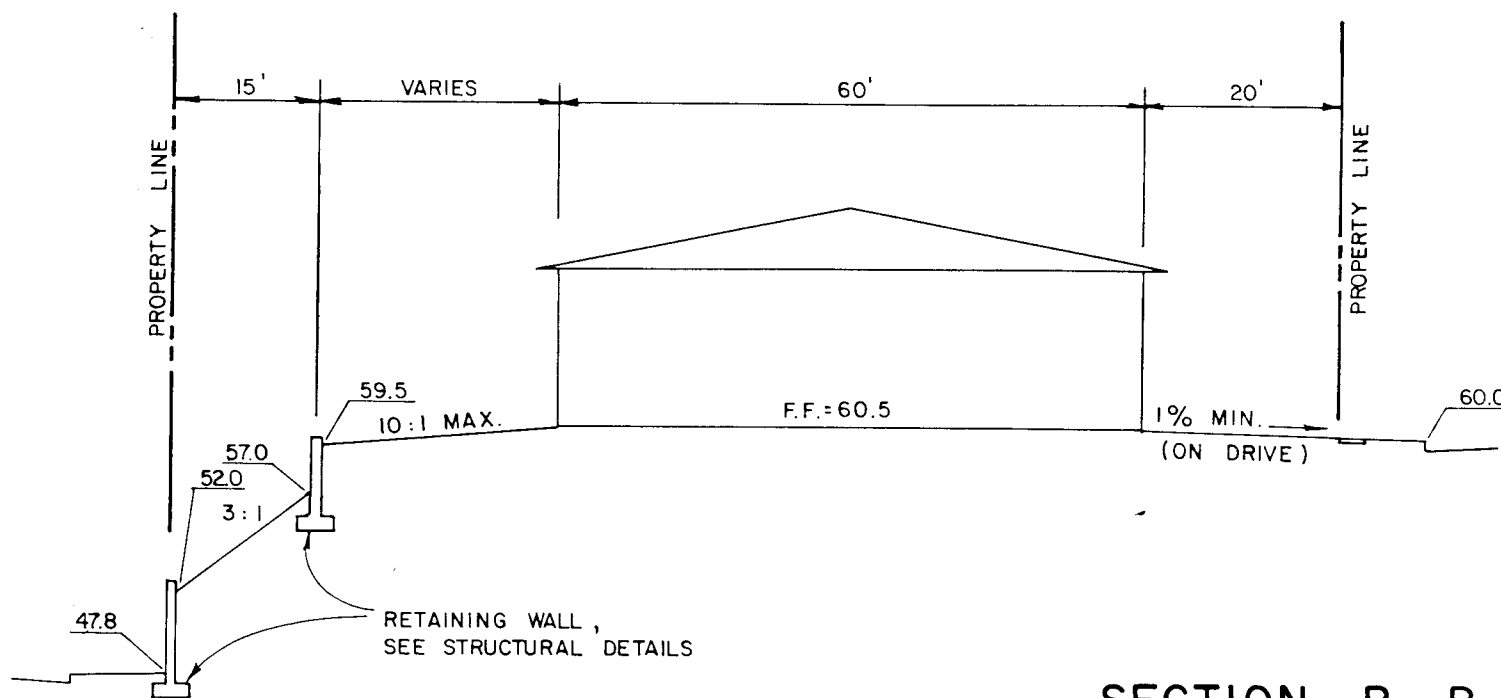
SUPPLEMENTAL TEXT

This supplemental text is intended to provide additional discussion regarding the offsite grading which will occur, as proposed by this plan, within the open space land situated to the east of the project site. Permission from the Parks & Recreation Department (open space) will be obtained in order to perform this offsite grading. The offsite grading adjacent to Lots 19 through 21 will be performed in order to eliminate the need for a retaining wall adjacent to the open space land. It is felt that the retaining wall will be much too harsh a feature to lie immediately adjacent to open space property. The disturbed area will be seeded with native grasses for erosion control and in an effort to restore the area to a natural appearance. The grading adjacent to Lots 22 and 23 will be implemented to divert minor offsite flows anticipated from the open space land from entering those lots. Review of the site conditions coupled with the drainage report for Villa Sandia Townhouses (J-23/D9D) indicates that a similar diversion has occurred downstream adjacent to that site. This diversion, which is in place, outlets the diverted runoff into the extended Villa Sandia Road. Villa Sandia Road has been extended in conjunction with that subdivision to accept runoff from Tract A (open space). This grading will also be done with the permission of Parks & Recreation and will be consistent with the previously approved Grading & Drainage Plan for Villa Sandia Townhouses. In addition, this diversion was also recommended by the Design Review Committee (DRC) during its review and comment session for Project No. 3346 on August 28, 1987.



TYPICAL TRICKLE CHANNEL

SCALE: 1" = 2'



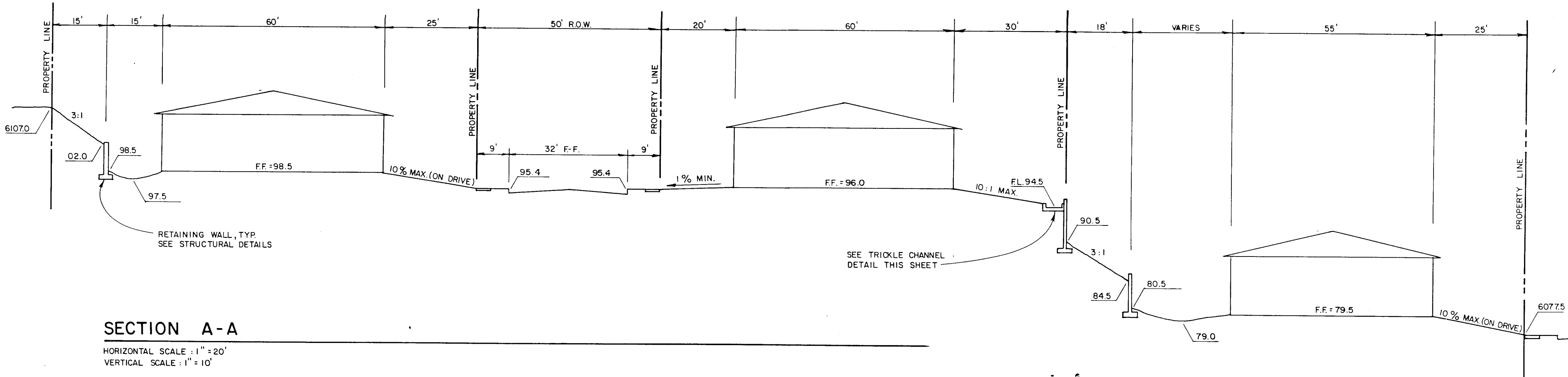
SECTION B - B

HORIZONTAL SCALE: 1" = 20'

VERTICAL SCALE: 1" = 10'

EROSION CONTROL MEASURES

1. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AT THE PROPERTY LINES AND WETTING THE SOIL TO KEEP IT FROM BLOWING.
2. THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
3. THE CONTRACTOR SHALL SECURE "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION.



SECTION A - A

HORIZONTAL SCALE: 1" = 20'

VERTICAL SCALE: 1" = 10'



811 DALLAS N.E. • ALBUQUERQUE • NEW MEXICO • 87110
ENGINEERS

| NO. | DATE | BY | REVISIONS |
|-----|------|----|-----------|
| | | | |
| | | | |
| | | | |
| | | | |

| | |
|-------------|--------|
| DESIGNED BY | S.K.S. |
| DRAWN BY | C.V.M. |
| APPROVED | J.G.M. |

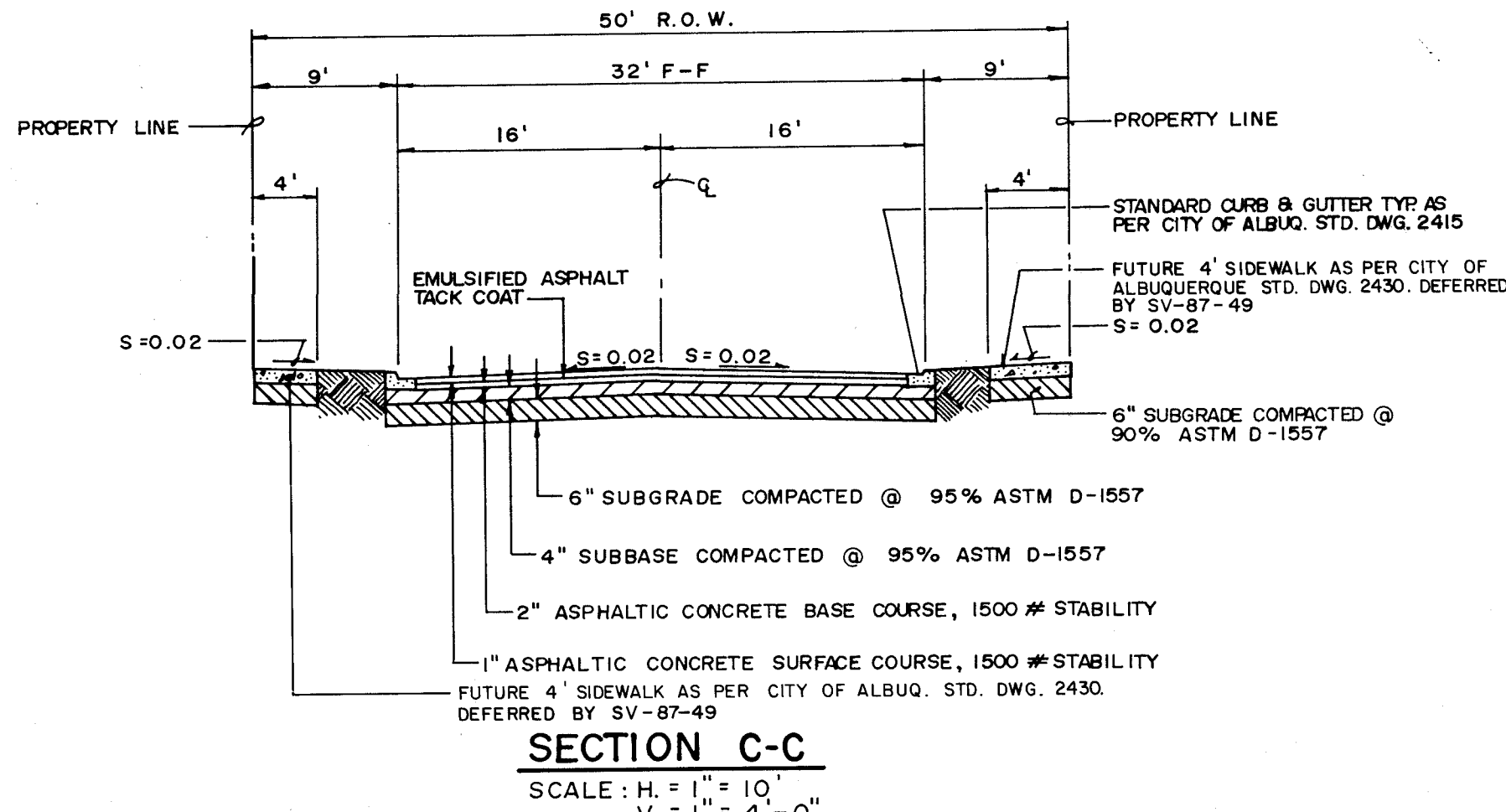
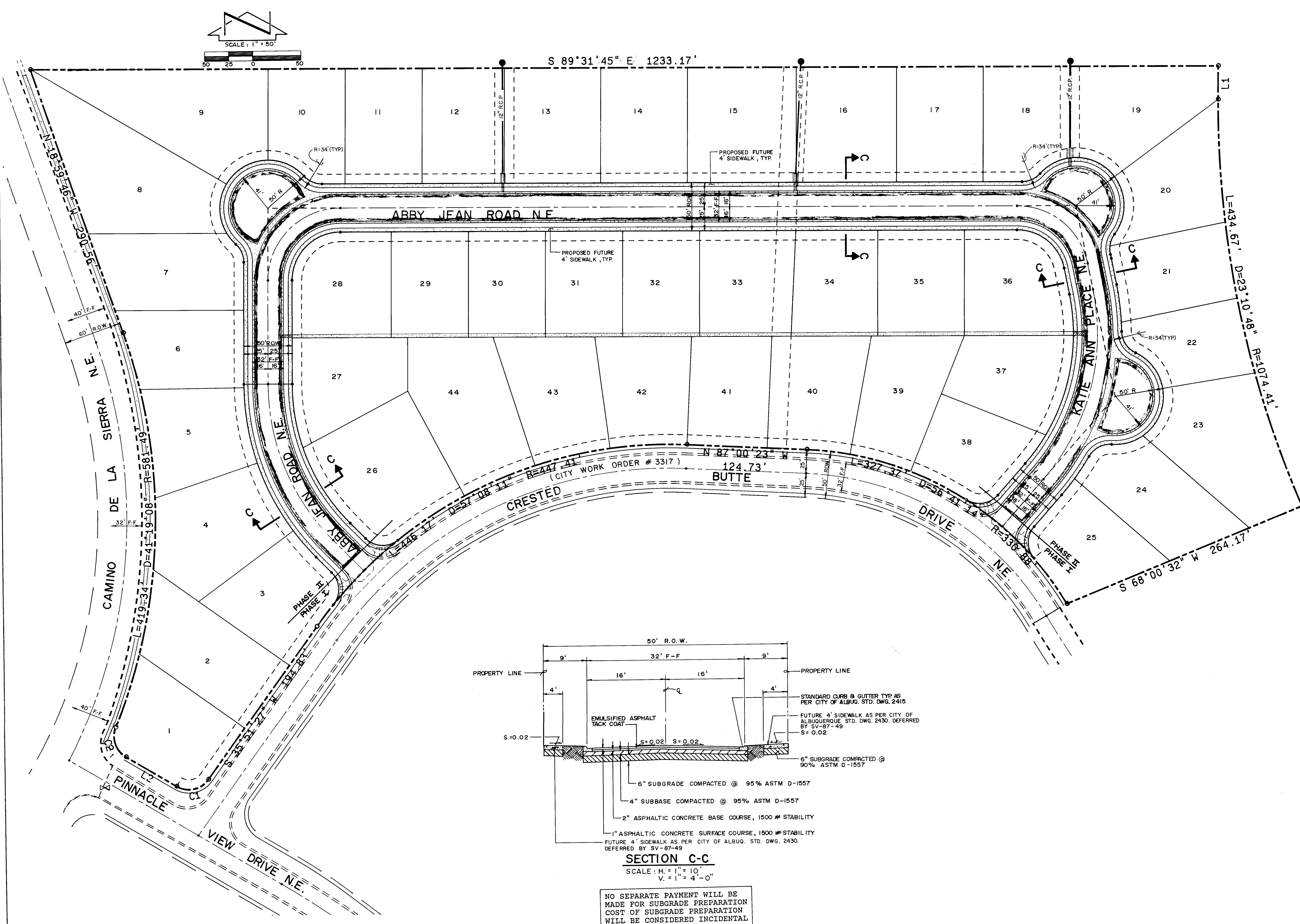
| | |
|---------|--------|
| JOB NO. | 870431 |
| DATE | 8-87 |

DETAILS AND CALCULATIONS
ALYSSE PLACE

DRAWING NO.

3346

SHEET 5 OF 13



NO SEPARATE PAYMENT WILL BE MADE FOR SUBGRADE PREPARATION COST OF SUBGRADE PREPARATION WILL BE CONSIDERED INCIDENTAL TO ROADWAY GRADING.

| LINE | BEARING | DISTANCE |
|------|---------------|----------|
| L1 | S 0°58'15" W | 34.89 |
| L2 | N 59°02'52" W | 60.72 |

| CURVE | ARC | DELTA | RADIUS | TAN LENGTH |
|-------|-------|-----------|--------|------------|
| C1 | 37.13 | 85°08'41" | 25.00 | 22.49 |
| C2 | 36.50 | 81°22'14" | 25.00 | 21.41 |

- STREET PAVING IMPROVEMENTS**
- ALL SLOPES AS SHOWN ON PROFILES ARE BASED ON CENTERLINE STATIONING UNLESS OTHERWISE NOTED.
 - WHERE REMOVAL OF EXISTING CURB AND GUTTER, SIDEWALK OR PAVEMENT IS REQUIRED, THE CONTRACTOR SHALL SAWCUT AND/OR REMOVE TO THE NEAREST JOINT. CURB AND GUTTER SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
 - ALL DIMENSIONS OF CURB AND CURB RETURNS ARE SHOWN TO FACE OF CURB.
 - ALL SIDEWALK SHOWN HEREON SHALL BE CONSTRUCTED UNDER SEPARATE PERMIT. A SIDEWALK VARIANCE WAS APPROVED BY DRB ON 09-01-87 (SV-87-49).
 - ALL WHEELCHAIR RAMP MUST BE CONSTRUCTED UNDER THIS WORK ORDER.
 - ALL CURB AND GUTTER SHOWN HEREON SHALL BE STANDARD CURB AND GUTTER PER CITY OF ALBUQUERQUE STANDARD DRAWING 2415.
 - NO SEPARATE PAYMENT WILL BE MADE FOR SUBGRADE PREPARATION COST OF SUBGRADE PREPARATION WILL BE CONSIDERED INCIDENTAL TO ROADWAY GRADING.

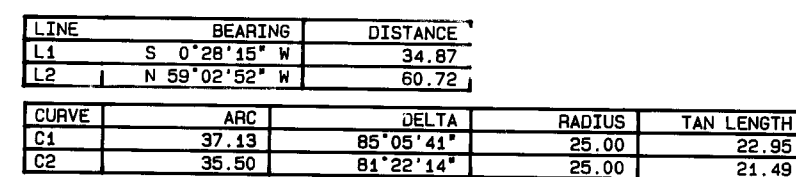
| ENGINEER'S SEAL | | SURVEY INFORMATION | | BENCH MARKS | | AS BUILT INFORMATION | |
|-----------------------|--|--------------------|----|--|--|----------------------|------|
| | | FIELD NOTES | | THE STATION MARK IS A STANDARD ACS BRASS | | CONTRACTOR | |
| | | NO. | BY | DATE | TABLE STAMPED "I-J23, 1982" SET 0.30 FT. BELOW THE GROUND WITHIN AN 11 INCH DIAMETER STEEL MONUMENT BOX. THE STATION IS LOCATED IN THE NORTH MEDIAN OF THE INTERSECTION OF TRAMWAY BLVD. AND INDIAN SCHOOL RD. ELEVATION = 5540.55 FEET (MSLD) | NO. | DATE |
| REMARKS | | NO. | | DATE | | DATE | |
| DESIGN | | NO. | | DATE | | DATE | |
| DESIGNED BY J.G.M. | | NO. | | DATE 7-87 | | DATE | |
| DRAWN BY H.P., S.G.H. | | NO. | | DATE 7-87 | | DATE | |
| CHECKED BY J.G.M. | | NO. | | DATE 7-87 | | DATE | |

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

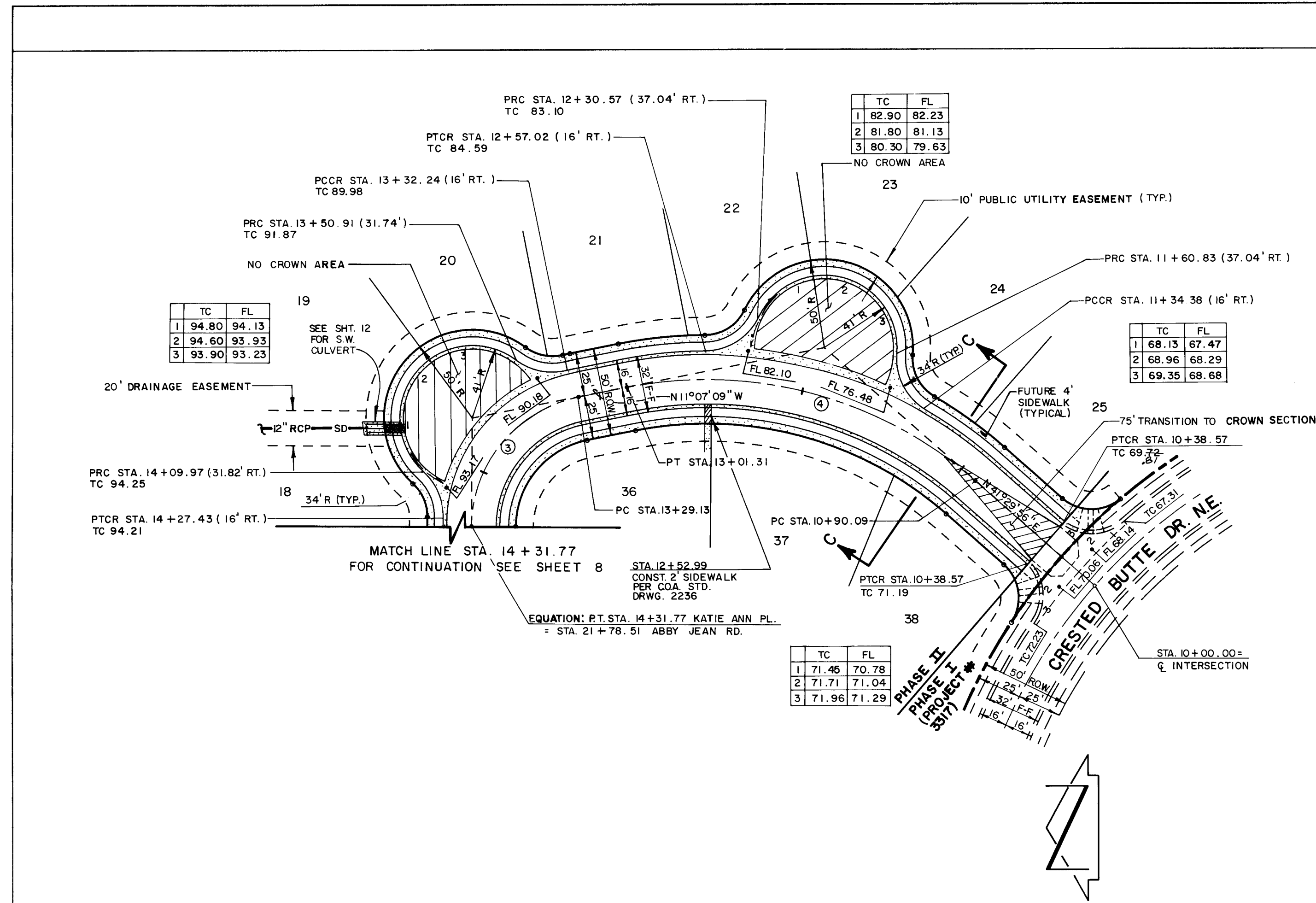
TITLE: **ALYSSE PLACE PAVING & STORM DRAINAGE SITE PLAN & PAVING SECTIONS**

| | | | | | |
|--------------|----------|----------|-----------|----------|------|
| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
| D.R.C. Chair | | 11/2/87 | | | |
| Trans. Dev | | 10/21/87 | | | |
| Utility Dev | | 10/29/87 | | | |

DRAWING NO. **3346** MAP NO. **J-23** SHEET **6** OF **13**

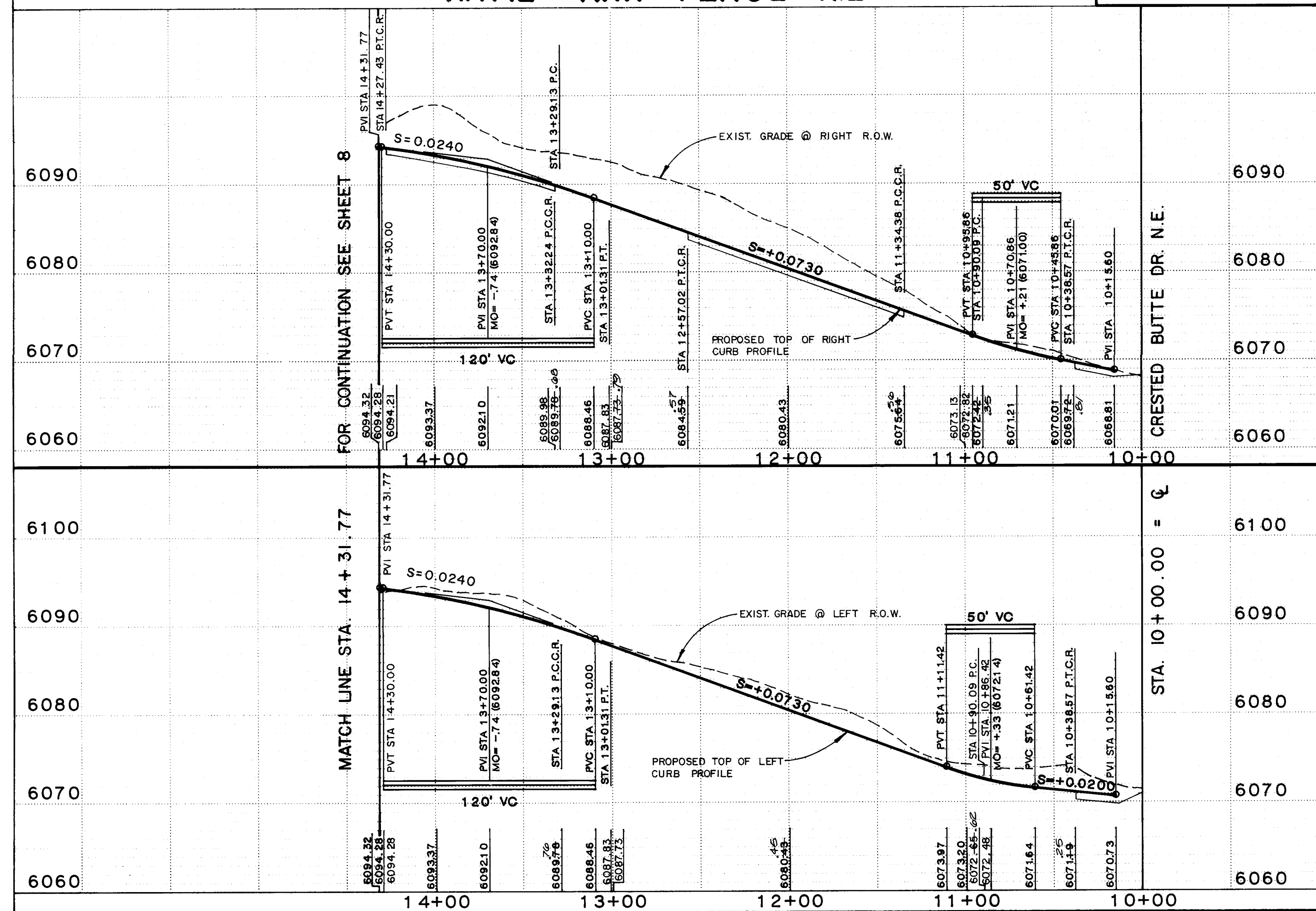


T.M.A. # 87043



KATIE ANN PLACE N.E.

HORIZONTAL SCALE: 1"= 50'
VERTICAL SCALE: 1"= 10'



STREET PAVING IMPROVEMENTS

- ALL SLOPES AS SHOWN ON PROFILES ARE BASED ON CENTERLINE STATIONING UNLESS OTHERWISE NOTED.
- WHERE REMOVAL OF EXISTING CURB AND GUTTER, SIDEWALK OR PAVEMENT IS REQUIRED, THE CONTRACTOR SHALL SAWCUT AND/OR REMOVE TO THE NEAREST JOINT. CURB AND GUTTER SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
- ALL DIMENSIONS OF CURB AND CURB RETURNS ARE SHOWN TO FACE OF CURB.
- ALL SIDEWALK SHOWN HEREON SHALL BE CONSTRUCTED UNDER SEPARATE PERMIT. A SIDEWALK VARIANCE WAS APPROVED BY DRB ON 09-01-87 (SV-87-49).
- ALL WHEELCHAIR RAMPS MUST BE CONSTRUCTED UNDER THIS WORK ORDER.
- ALL CURB AND GUTTER SHOWN HEREON SHALL BE STANDARD CURB AND GUTTER PER CITY OF ALBUQUERQUE STANDARD DRAWING 2415.
- NO SEPARATE PAYMENT WILL BE MADE FOR SUBGRADE PREPARATION COST OF SUBGRADE PREPARATION WILL BE CONSIDERED INCIDENTAL TO ROADWAY GRADING.

AS BUILT INFORMATION
THE STATION MARK IS A STANDARD ACS BRASS
TABLET STAMPED "J-23, 1982" SET 0.30 FT.
BELOW THE GROUND WITHIN AN 11 INCH DIAMETER
STEEL MONUMENT BOX. THE STATION IS LOCATED
IN THE NORTH MEDIAN OF THE INTERSECTION
OF TRAMWAY BLVD. AND INDIAN SCHOOL RD.
ELEVATION = 5840.58 FEET (MSLL)

BENCH MARKS
THE STATION MARK IS A STANDARD ACS BRASS
TABLET STAMPED "J-23, 1982" SET 0.30 FT.
BELOW THE GROUND WITHIN AN 11 INCH DIAMETER
STEEL MONUMENT BOX. THE STATION IS LOCATED
IN THE NORTH MEDIAN OF THE INTERSECTION
OF TRAMWAY BLVD. AND INDIAN SCHOOL RD.
ELEVATION = 5840.58 FEET (MSLL)

SURVEY INFORMATION
FIELD NOTES
NO BY

ENGINEER'S SEAL
JEFFREY G. MORTENSEN
REGISTERED PROFESSIONAL ENGINEER
NEW MEXICO
10-23-87

REVISIONS
NO DATE BY
REMARKS
DESIGN
DATE 8-87
DATE 8-87
DATE 8-87

RECORD DRAWING

I, Jeffrey G. Mortensen, Registered Professional Engineer in the State of New Mexico, do hereby certify that these drawings represent the "as-built" conditions of this project as determined from survey information provided by Stephen E. Walker, NMPS No. 6401, Walker Surveying Company. All vertical and horizontal dimensions should be field verified prior to use on future projects.

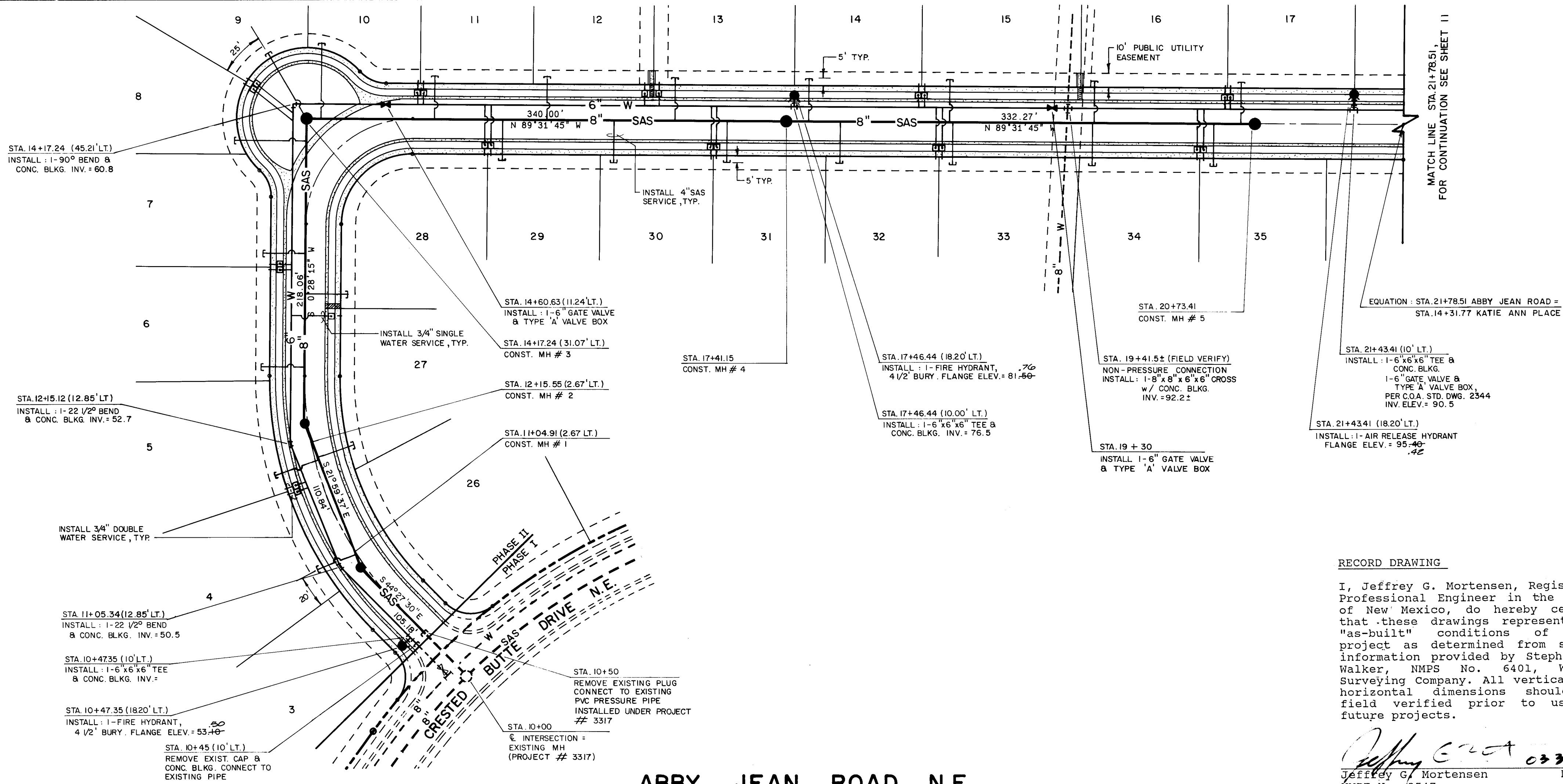
Jeffrey G. Mortensen
NMPE No. 8547
Date 03-30-88

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE
PAVING IMPROVEMENTS PLAN & PROFILE
STA. 10+00 TO STA. 14+31.77
KATIE ANN PLACE N.E.

APPROVALS
D.R.C. Chair
Design
Hydrology
DATE 11/2/87
APPROVA
DATE 10/29/87
DATE 10/29/87
DATE 10/29/87

DRAWING NO. 3346
MAP NO. J-23
SHEET 9 OF 13

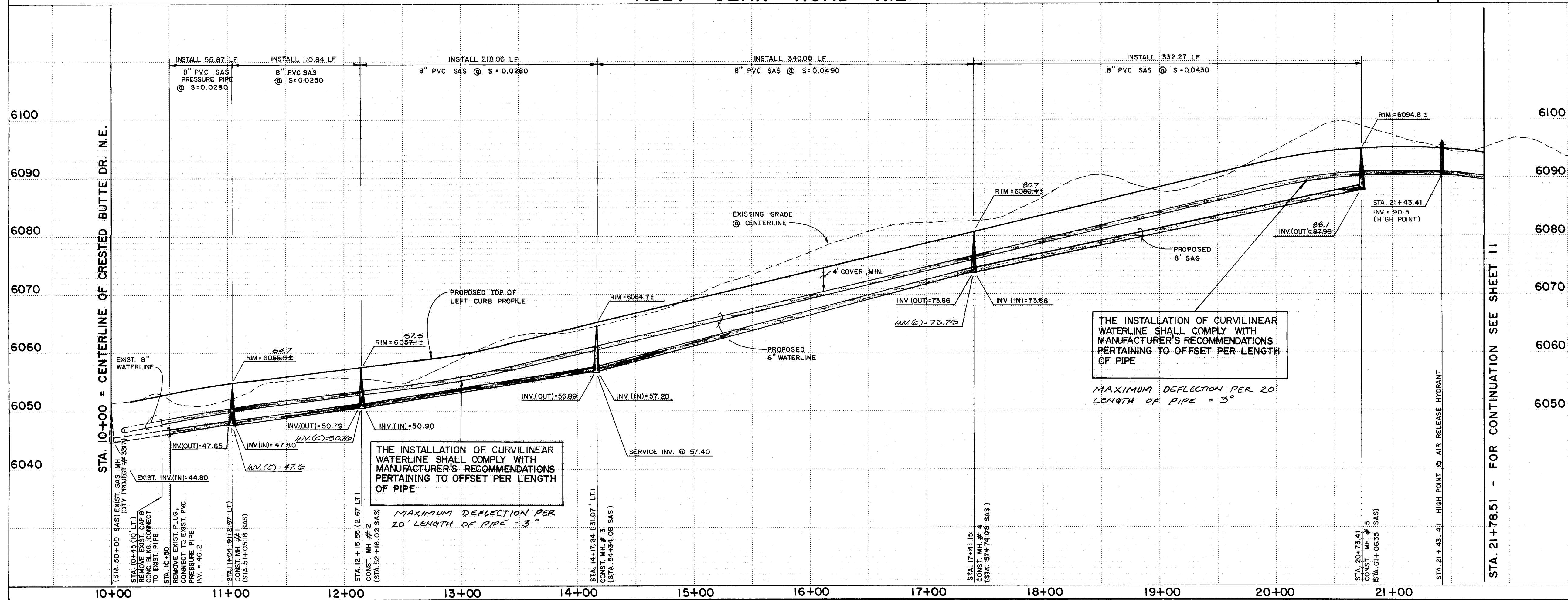


RECORD DRAWING

I, Jeffrey G. Mortensen, Registered Professional Engineer in the State of New Mexico, do hereby certify that these drawings represent the "as-built" conditions of this project as determined from survey information provided by Stephen E. Walker, NMPS No. 6401, Walker Surveying Company. All vertical and horizontal dimensions should be field verified prior to use on future projects.

Jeffrey G. Mortensen
NMPE No. 6547
Date 03-30-08

HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 10'



AS BUILT INFORMATION

1. ALL STATIONING IS BASED ON STREET CENTERLINE UNLESS INDICATED OTHERWISE. AN ADDITIONAL STATIONING SYSTEM HAS BEEN PROVIDED BASED UPON CENTERLINE OF SANITARY SEWER PIPE. THIS DATA HAS BEEN PROVIDED TO FACILITATE CONSTRUCTION STAKING. STATIONING FOR SEWER SERVICES IS PIPE STATIONING SYSTEM.

2. ALL SEWER PIPE SHALL BE PVC (SDR 35) OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER (SEE NOTE 6).

3. SLOPES SHOWN ON THE PROFILES ARE BASED ON TRUE DISTANCES.

4. ALL MANHOLES SHALL BE FOUR-FOOT DIAMETER TYPE 'E' AS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2102 UNLESS OTHERWISE NOTED.

5. SEWER SERVICE LATERALS SHALL BE PROVIDED WITH ELECTRONIC MARKER DISCS AS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2145. END SHALL BE PROVIDED IN ACCORDANCE WITH THE STANDARD SPECIFICATION.

6. VITRIFIED CLAY AND DUCTILE IRON ARE ACCEPTABLE PIPE MATERIALS IN LIEU OF PVC.

WATER DISTRIBUTION SYSTEM

7. ALL STATIONING IS BASED ON STREET CENTERLINE.

8. WATER MAIN SHALL BE PVC C-900 PIPE OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER (SEE NOTE 12).

9. WATER LINE SHALL HAVE A MINIMUM COVER OF 4'0" (TOP OF CURB TO TOP OF PIPE).

10. WATER LINE SHALL BE LOCATED 10'0" FROM AND PARALLEL TO STREET CENTERLINE UNLESS OTHERWISE NOTED.

11. ELECTRONIC MARKER DISCS (EMD) SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATION.

12. DUCTILE IRON IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF PVC.

ENGINEER'S SEAL

26 3346 1088

SCHEDULE OF SERVICES

| 3/4" WATER SERVICE | | 4" SANITARY SEWER SERVICE | |
|--------------------|----------|---------------------------|------------------|
| LOT | STATION | SAS | INV @ P.L. |
| 4 | 11+74.96 | DOUBLE | 51+17.15 48+64.3 |
| 5 | 11+74.96 | DOUBLE | 51+91.85 51+0.3 |
| 6 | 12+98.34 | DOUBLE | 52+57.50 53+0.3 |
| 7 | 12+98.34 | DOUBLE | 53+38.15 55+4.6 |
| 8 | 14+11.15 | DOUBLE | 54+17.16 58.2 |
| 9 | 14+11.15 | DOUBLE | 54+34.08 58.3.4 |
| 10 | 14+81.15 | DOUBLE | 54+44.02 58+46.3 |
| 11 | 14+81.15 | DOUBLE | 55+24.08 61+92.4 |
| 12 | 16+42.44 | SINGLE | 56+04.08 65+06.6 |
| 13 | 16+50.44 | SINGLE | 56+94.38 70+17.0 |
| 14 | 18+36.44 | DOUBLE | 57+89.38 75+07.1 |
| 15 | 18+36.44 | DOUBLE | 58+89.38 80.2 |
| 16 | 20+53.41 | DOUBLE | 59+97.28 64+70.4 |
| 17 | 20+53.41 | DOUBLE | 60+96.35 89+0.2 |
| 27 | 12+95.00 | SINGLE | 51+93.30 51.3.0 |
| 28 | 15+29.17 | DOUBLE | 53+09.08 54.6.7 |
| 29 | 15+29.17 | DOUBLE | 55+72.10 64+26.0 |
| 30 | 16+89.17 | DOUBLE | 56+52.10 68.2.3 |
| 31 | 16+89.17 | DOUBLE | 57+32.10 72+07.1 |
| 32 | 18+49.17 | DOUBLE | 58+12.10 76+07.0 |
| 33 | 18+49.17 | DOUBLE | 58+92.10 80.2.3 |
| 34 | 20+34.01 | DOUBLE | 59+91.96 84.5.7 |
| 35 | 20+34.01 | DOUBLE | 60+76.95 80+18.3 |

* SERVICE CONNECTION @ MANHOLE (NON-PERPENDICULAR SERVICE LINE)

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: WATER & SANITARY SEWER EXTENSIONS PLAN & PROFILE
STA. 10+00 TO STA. 21+78.51
ABBY JEAN ROAD N.E.

APPROVALS

| DESIGN | DATE | APPROVALS | DATE |
|-----------|----------|-----------|----------|
| Design | 11/14/07 | APPROVALS | 10/29/07 |
| Hydrology | 10/29/07 | APPROVALS | 10/29/07 |

REVISIONS

| NO | DATE | REVISIONS |
|----|------|-----------|
| 1 | 8-87 | DATE 8-87 |
| 2 | 8-87 | DATE 8-87 |

ENGINEER'S SEAL

26 3346 1088

SCHEDULE OF SERVICES

| 3/4" WATER SERVICE | | 4" SANITARY SEWER SERVICE | |
|--------------------|----------|---------------------------|------------------|
| LOT | STATION | SAS | INV @ P.L. |
| 4 | 11+74.96 | DOUBLE | 51+17.15 48+64.3 |
| 5 | 11+74.96 | DOUBLE | 51+91.85 51+0.3 |
| 6 | 12+98.34 | DOUBLE | 52+57.50 53+0.3 |
| 7 | 12+98.34 | DOUBLE | 53+38.15 55+4.6 |
| 8 | 14+11.15 | DOUBLE | 54+17.16 58.2 |
| 9 | 14+11.15 | DOUBLE | 54+34.08 58.3.4 |
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| 15 | 18+36.44 | DOUBLE | 58+89.38 80.2 |
| 16 | 20+53.41 | DOUBLE | 59+97.28 64+70.4 |
| 17 | 20+53.41 | DOUBLE | 60+96.35 89+0.2 |
| 27 | 12+95.00 | SINGLE | 51+93.30 51.3.0 |
| 28 | 15+29.17 | DOUBLE | 53+09.08 54.6.7 |
| 29 | 15+29.17 | DOUBLE | 55+72.10 64+26.0 |
| 30 | 16+89.17 | DOUBLE | 56+52.10 68.2.3 |
| 31 | 16+89.17 | DOUBLE | 57+32.10 72+07.1 |
| 32 | 18+49.17 | DOUBLE | 58+12.10 76+07.0 |
| 33 | 18+49.17 | DOUBLE | 58+92.10 80.2.3 |
| 34 | 20+34.01 | DOUBLE | 59+91.96 84.5.7 |
| 35 | 20+34.01 | DOUBLE | 60+76.95 80+18.3 |

* SERVICE CONNECTION @ MANHOLE (NON-PERPENDICULAR SERVICE LINE)

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: WATER & SANITARY SEWER EXTENSIONS PLAN & PROFILE
STA. 10+00 TO STA. 21+78.51
ABBY JEAN ROAD N.E.

APPROVALS

| DESIGN | DATE | APPROVALS | DATE |
|-----------|----------|-----------|----------|
| Design | 11/14/07 | APPROVALS | 10/29/07 |
| Hydrology | 10/29/07 | APPROVALS | 10/29/07 |

ENGINEER'S SEAL

26 3346 1088

SCHEDULE OF SERVICES

| 3/4" WATER SERVICE | | 4" SANITARY SEWER SERVICE | |
|--------------------|----------|---------------------------|------------------|
| LOT | STATION | SAS | INV @ P.L. |
| 4 | 11+74.96 | DOUBLE | 51+17.15 48+64.3 |
| 5 | 11+74.96 | DOUBLE | 51+91.85 51+0.3 |
| 6 | 12+98.34 | DOUBLE | 52+57.50 53+0.3 |
| 7 | 12+98.34 | DOUBLE | 53+38.15 55+4.6 |
| 8 | 14+11.15 | DOUBLE | 54+17.16 58.2 |
| 9 | 14+11.15 | DOUBLE | 54+34.08 58.3.4 |
| 10 | 14+81.15 | DOUBLE | 54+44.02 58+46.3 |
| 11 | 14+81.15 | DOUBLE | 55+24.08 61+92.4 |
| 12 | 16+42.44 | SINGLE | 56+04.08 65+06.6 |
| 13 | 16+50.44 | SINGLE | 56+94.38 70+17.0 |
| 14 | 18+36.44 | DOUBLE | 57+89.38 75+07.1 |
| 15 | 18+36.44 | DOUBLE | 58+89.38 80.2 |
| 16 | 20+53.41 | DOUBLE | 59+97.28 64+70.4 |
| 17 | 20+53.41 | DOUBLE | 60+96.35 89+0.2 |
| 27 | 12+95.00 | SINGLE | 51+93.30 51.3.0 |
| 28 | 15+29.17 | DOUBLE | 53+09.08 54.6.7 |
| 29 | 15+29.17 | DOUBLE | 55+72.10 64+26.0 |
| 30 | 16+89.17 | DOUBLE | 56+52.10 68.2.3 |
| 31 | 16+89.17 | DOUBLE | 57+32.10 72+07.1 |
| 32 | 18+49.17 | DOUBLE | 58+12.10 76+07.0 |
| 33 | 18+49.17 | DOUBLE | 58+92.10 80.2.3 |
| 34 | 20+34.01 | DOUBLE | 59+91.96 84.5.7 |
| 35 | 20+34.01 | DOUBLE | 60+76.95 80+18.3 |

* SERVICE CONNECTION @ MANHOLE (NON-PERPENDICULAR SERVICE LINE)

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: WATER & SANITARY SEWER EXTENSIONS PLAN & PROFILE
STA. 10+00 TO STA. 21+78.51
ABBY JEAN ROAD N.E.

APPROVALS

| DESIGN | DATE | APPROVALS | DATE |
|-----------|----------|-----------|----------|
| Design | 11/14/07 | APPROVALS | 10/29/07 |
| Hydrology | 10/29/07 | APPROVALS | 10/29/07 |

ENGINEER'S SEAL

26 3346 1088

SCHEDULE OF SERVICES

| 3/4" WATER SERVICE | | 4" SANITARY SEWER SERVICE | |
|--------------------|----------|---------------------------|------------------|
| LOT | STATION | SAS | INV @ P.L. |
| 4 | 11+74.96 | DOUBLE | 51+17.15 48+64.3 |
| 5 | 11+74.96 | DOUBLE | 51+91.85 51+0.3 |
| 6 | 12+98.34 | DOUBLE | 52+57.50 53+0.3 |
| 7 | 12+98.34 | DOUBLE | 53+38.15 55+4.6 |
| 8 | 14+11.15 | DOUBLE | 54+17.16 58.2 |
| 9 | 14+11.15 | DOUBLE | 54+34.08 58.3.4 |
| 10 | 14+81.15 | DOUBLE | 54+44.02 58+46.3 |
| 11 | 14+81.15 | DOUBLE | 55+24.08 61+92.4 |
| 12 | 16+42.44 | SINGLE | 56+04.08 65+06.6 |
| 13 | 16+50.44 | SINGLE | 56+94.38 70+17.0 |
| 14 | 18+36.44 | DOUBLE | 57+89.38 75+07.1 |
| 15 | 18+36.44 | DOUBLE | 58+89.38 80.2 |
| 16 | 20+53.41 | DOUBLE | 59+97.28 64+70.4 |
| 17 | 20+53.41 | DOUBLE | 60+96.35 89+0.2 |
| 27 | 12+95.00 | SINGLE | 51+93.30 51.3.0 |
| 28 | 15+29.17 | DOUBLE | 53+09.08 54.6.7 |
| 29 | 15+29.17 | DOUBLE | 55+72.10 64+26.0 |
| 30 | 16+89.17 | DOUBLE | 56+52.10 68.2.3 |
| 31 | 16+89.17 | DOUBLE | 57+32.10 72+07.1 |
| 32 | 18+49.17 | DOUBLE | 58+12.10 76+07.0 |
| 33 | 18+49.17 | DOUBLE | 58+92.10 80.2.3 |
| 34 | 20+34.01 | DOUBLE | 59+91.96 84.5.7 |
| 35 | 20+34.01 | DOUBLE | 60+76.95 80+18.3 |

* SERVICE CONNECTION @ MANHOLE (NON-PERPENDICULAR SERVICE LINE)

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: WATER & SANITARY SEWER EXTENSIONS PLAN & PROFILE
STA. 10+00 TO STA. 21+78.51
ABBY JEAN ROAD N.E.

APPROVALS

| DESIGN | DATE | APPROVALS | DATE |
|-----------|----------|-----------|----------|
| Design | 11/14/07 | APPROVALS | 10/29/07 |
| Hydrology | 10/29/07 | APPROVALS | 10/29/07 |

ENGINEER'S SEAL

26 3346 1088

SCHEDULE OF SERVICES

| 3/4" WATER SERVICE | | 4" SANITARY SEWER SERVICE | |
|--------------------|----------|---------------------------|------------------|
| LOT | STATION | SAS | INV @ P.L. |
| 4 | 11+74.96 | DOUBLE | 51+17.15 48+64.3 |
| 5 | 11+74.96 | DOUBLE | 51+91.85 51+0.3 |
| 6 | 12+98.34 | DOUBLE | 52+57.50 53+0.3 |
| 7 | 12+98.34 | DOUBLE | 53+38.15 55+4.6 |
| 8 | 14+11.15 | DOUBLE | 54+17.16 58.2 |
| 9 | 14+11.15 | DOUBLE | 54+34.08 58.3.4 |
| 10 | 14+81.15 | DOUBLE | 54+44.02 58+46.3 |
| 11 | 14+81.15 | DOUBLE | 55+24.08 61+92.4 |
| 12 | 16+42.44 | SINGLE | 56+04.08 65+06.6 |
| 13 | 16+50.44 | SINGLE | 56+94.38 70+17.0 |
| 14 | 18+36.44 | DOUBLE | 57+89.38 75+07.1 |
| 15 | 18+36.44 | DOUBLE | 58+89.38 80.2 |
| 16 | 20+53.41 | DOUBLE | 59+97.28 64+70.4 |
| 17 | 20+53.41 | DOUBLE | 60+96.35 89+0.2 |
| 27 | 12+95.00 | SINGLE | 51+93.30 51.3.0 |
| 28 | 15+29.17 | DOUBLE | 53+09.08 54.6.7 |
| 29 | 15+29.17 | DOUBLE | 55+72.10 64+26.0 |
| 30 | 16+89.17 | DOUBLE | 56+52.10 68.2.3 |
| 31 | 16+89.17 | DOUBLE | 57+32.10 72+07.1 |
| 32 | 18+49.17 | DOUBLE | 58+12.10 76+07.0 |
| 33 | 18+49.17 | DOUBLE | 58+92.10 80.2.3 |
| 34 | 20+34.01 | DOUBLE | 59+91.96 84.5.7 |
| 35 | 20+34.01 | DOUBLE | 60+76.95 80+18.3 |

* SERVICE CONNECTION @ MANHOLE (NON-PERPENDICULAR SERVICE LINE)

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: WATER & SANITARY SEWER EXTENSIONS PLAN & PROFILE
STA. 10+00 TO STA. 21+78.51
ABBY JEAN ROAD N.E.

APPROVALS

| DESIGN | DATE | APPROVALS | DATE |
|-----------|----------|-----------|----------|
| Design | 11/14/07 | APPROVALS | 10/29/07 |
| Hydrology | 10/29/07 | APPROVALS | 10/29/07 |

ENGINEER'S SEAL

26 3346 1088

SCHEDULE OF SERVICES

| 3/4" WATER SERVICE | | 4" SANITARY SEWER SERVICE | |
|--------------------|----------|---------------------------|------------------|
| LOT | STATION | SAS | INV @ P.L. |
| 4 | 11+74.96 | DOUBLE | 51+17.15 48+64.3 |
| 5 | 11+74.96 | DOUBLE | 51+91.85 51+0.3 |
| 6 | 12+98.34 | DOUBLE | 52+57.50 53+0.3 |
| 7 | 12+98.34 | DOUBLE | 53+38.15 55+4.6 |
| 8 | 14+11.15 | DOUBLE | 54+17.16 58.2 |
| 9 | 14+11.15 | DOUBLE | 54+34.08 58.3.4 |
| 10 | 14+81.15 | DOUBLE | 54+44.02 58+46.3 |
| 11 | 14+81.15 | DOUBLE | 55+24.08 61+92.4 |
| 12 | 16+42.44 | SINGLE | 56+04.08 65+06.6 |
| 13 | 16+50.44 | SINGLE | 56+94.38 70+17.0 |
| 14 | 18+36.44 | DOUBLE | 57+89.38 75+07.1 |
| 15 | 18+36.44 | DOUBLE | 58+89.38 80.2 |
| 16 | 20+53.41 | DOUBLE | 59+97.28 64+70.4 |
| 17 | 20+53.41 | DOUBLE | 60+96.35 89+0.2 |
| 27 | 12+95.00 | SINGLE | 51+93.30 51.3.0 |
| 28 | 15+29.17 | DOUBLE | 53+09.08 54.6.7 |
| 29 | 15+29.17 | DOUBLE | 55+72.10 64+26.0 |
| 30 | 16+89.17 | DOUBLE | 56+52.10 68.2.3 |
| 31 | 16+89.17 | DOUBLE | 57+32.10 72+07.1 |
| 32 | 18+49.17 | DOUBLE | 58+12.10 76+07.0 |
| 33 | 18+49.17 | DOUBLE | 58+92.10 80.2.3 |
| 34 | 20+34.01 | DOUBLE | 59+91.96 84.5.7 |
| 35 | 20+34.01 | DOUBLE | 60+76.95 80+18.3 |

* SERVICE CONNECTION @ MANHOLE (NON-PERPENDICULAR SERVICE LINE)

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: WATER & SANITARY SEWER EXTENSIONS PLAN & PROFILE
STA. 10+00 TO STA. 21+78.51
ABBY JEAN ROAD N.E.

APPROVALS

| DESIGN | DATE | APPROVALS | DATE |
|-----------|----------|-----------|----------|
| Design | 11/14/07 | APPROVALS | 10/29/07 |
| Hydrology | 10/29/07 | APPROVALS | 10/29/07 |

ENGINEER'S SEAL

26 3346 1088

SCHEDULE OF SERVICES

| 3/4" WATER SERVICE | | 4" SANITARY SEWER SERVICE | |
|--------------------|----------|---------------------------|------------------|
| LOT | STATION | SAS | INV @ P.L. |
| 4 | 11+74.96 | DOUBLE | 51+17.15 48+64.3 |
| 5 | 11+74.96 | DOUBLE | 51+91.85 51+0.3 |
| 6 | 12+98.34 | DOUBLE | 52+57.50 53+0.3 |
| 7 | 12+98.34 | DOUBLE | 53+38.15 55+4.6 |
| 8 | 14+11.15 | DOUBLE | 54+17.16 58.2 |
| 9 | 14+11.15 | DOUBLE | 54+34.08 58.3.4 |
| 10 | 14+81.15 | DOUBLE | 54+44.02 58+46.3 |
| 11 | 14+81.15 | DOUBLE | 55+24.08 61+92.4 |
| 12 | 16+42.44 | SINGLE | 56+04.08 65+06.6 |
| 13 | 16+50.44 | SINGLE | 56+94.38 70+17.0 |
| 14 | 18+36.44 | DOUBLE | 57+89.38 75+07.1 |
| 15 | 18+36.44 | DOUBLE | 58+89.38 80.2 |
| 16 | 20+53.41 | DOUBLE | 59+97.28 64+70.4 |
| 17 | 20+53.41 | DOUBLE | 60+96.35 89+0.2 |
| 27 | 12+95.00 | SINGLE | 51+93.30 51.3.0 |
| 28 | 15+29.17 | DOUBLE | 53+09.08 54.6.7 |
| 29 | 15+29.17 | DOUBLE | 55+72.10 64+26.0 |
| 30 | 16+89.17 | DOUBLE | 56+52.10 68.2.3 |
| 31 | 16+89.17 | DOUBLE | 57+32.10 72+07.1 |
| 32 | 18+49.17 | DOUBLE | 58+12.10 76+07.0 |
| 33 | 18+49.17 | DOUBLE | 58+92.10 80.2.3 |
| 34 | 20+34.01 | DOUBLE | 59+91.96 84.5.7 |
| 35 | 20+34.01 | DOUBLE | 60+76.95 80+18.3 |

* SERVICE CONNECTION @ MANHOLE (NON-PERPENDICULAR SERVICE LINE)

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: WATER & SANITARY SEWER EXTENSIONS PLAN & PROFILE
STA. 10+00 TO STA. 21+78.51
ABBY JEAN ROAD N.E.

APPROVALS

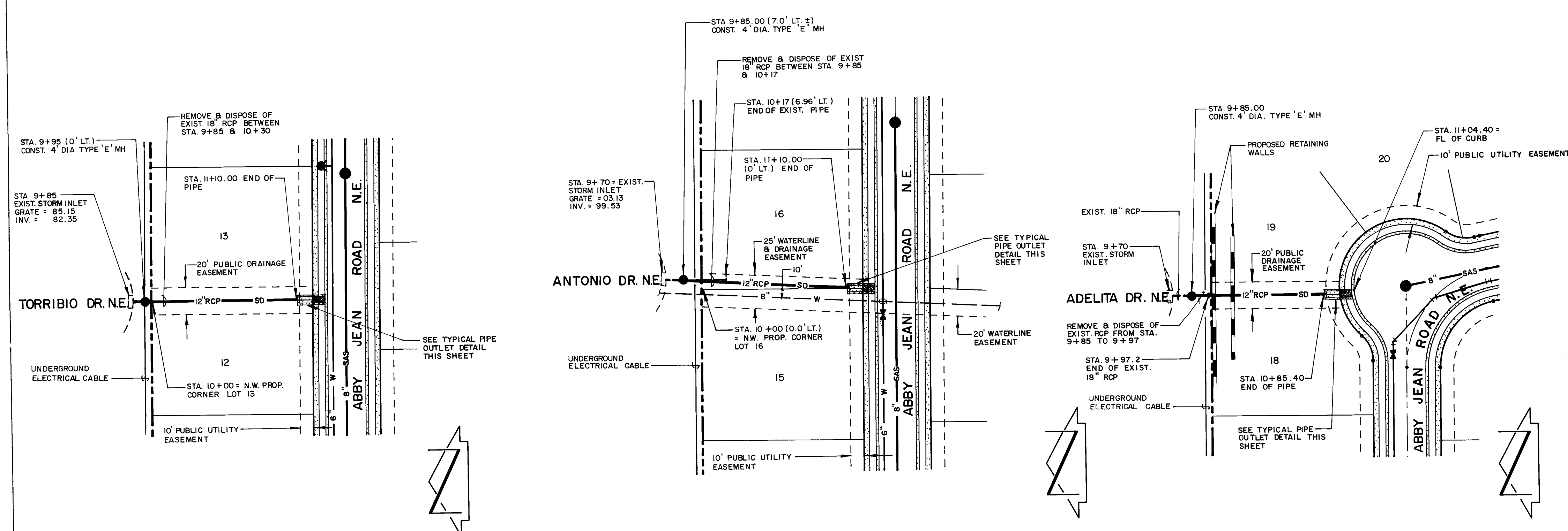
| DESIGN | DATE | APPROVALS | DATE |
|-----------|----------|-----------|----------|
| Design | 11/14/07 | APPROVALS | 10/29/07 |
| Hydrology | 10/29/07 | APPROVALS | 10/29/07 |

ENGINEER'S SEAL

26 3346 1088

SCHEDULE OF SERVICES

| 3/4" WATER SERVICE | | 4" SANITARY SEWER SERVICE | |
|--------------------|----------|---------------------------|------------------|
| LOT | STATION | SAS | INV @ P.L. |
| 4 | 11+74.96 | DOUBLE | 51+17.15 48+64.3 |
| 5 | 11+74.96 | DOUBLE | 51+91.85 51+0.3 |
| 6 | 12+98.34 | DOUBLE | 52+57.50 53+0.3 |
| 7 | 12+98.34 | DOUBLE | 53+38.15 55+4.6 |
| 8 | 14+11.15 | DOUBLE | 54+17.16 58.2 |
| 9 | 14+11.15 | | |



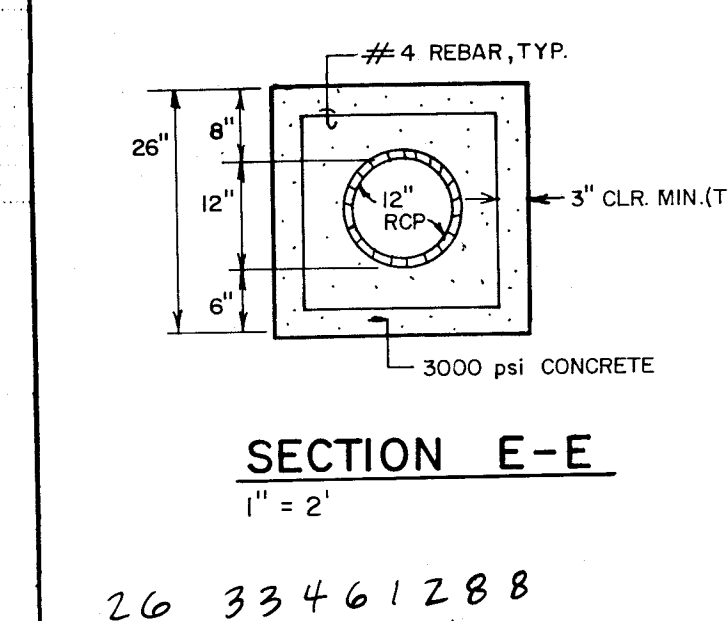
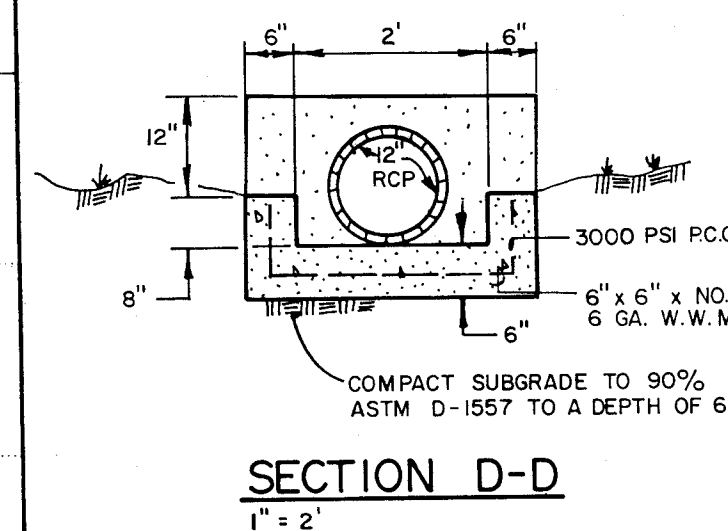
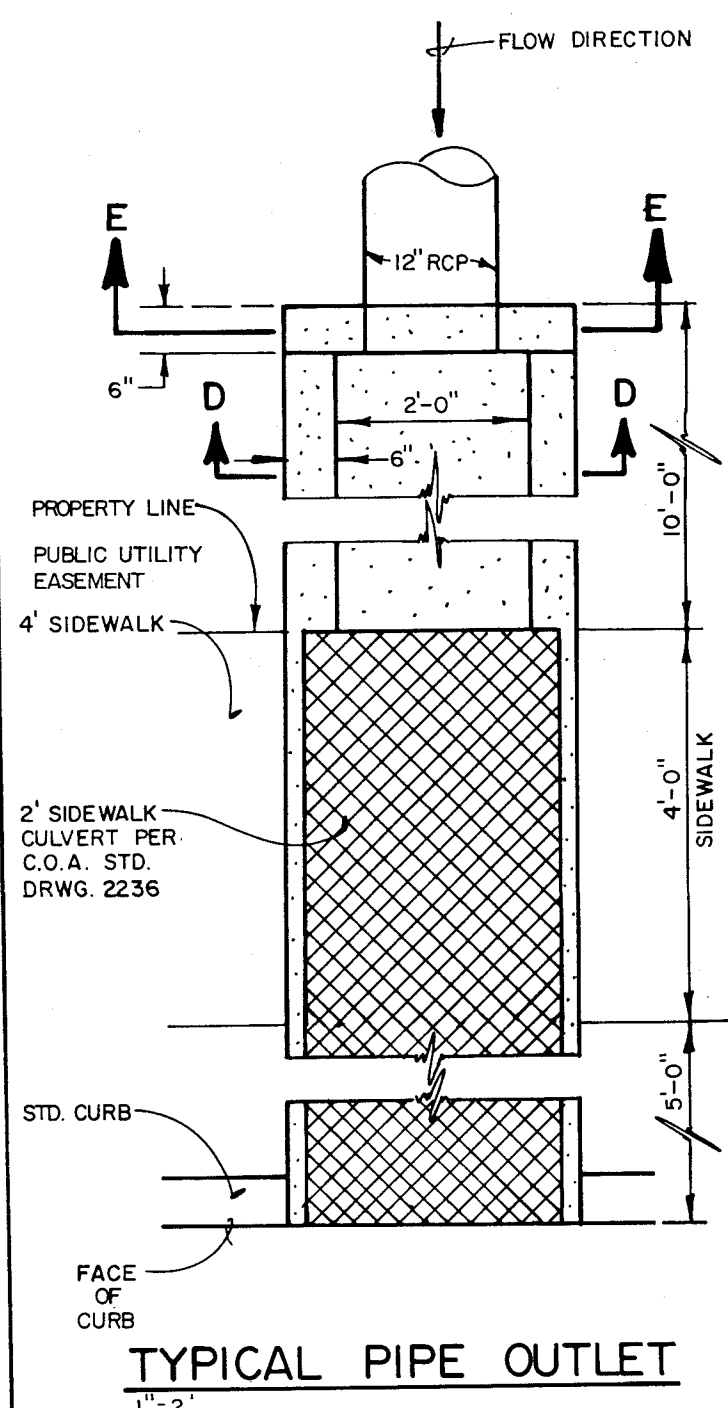
RECORD DRAWING

I, Jeffrey G. Mortensen, Registered Professional Engineer in the State of New Mexico, do hereby certify that these drawings represent the "as-built" conditions of this project as determined from survey information provided by Stephen E. Walker, NMP# No. 6401, Walker Surveying Company. All vertical and horizontal dimensions should be field verified prior to use on future projects.

Jeffrey G. Mortensen
NMP# No. 5547

Date: 02-20-88

HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 10'



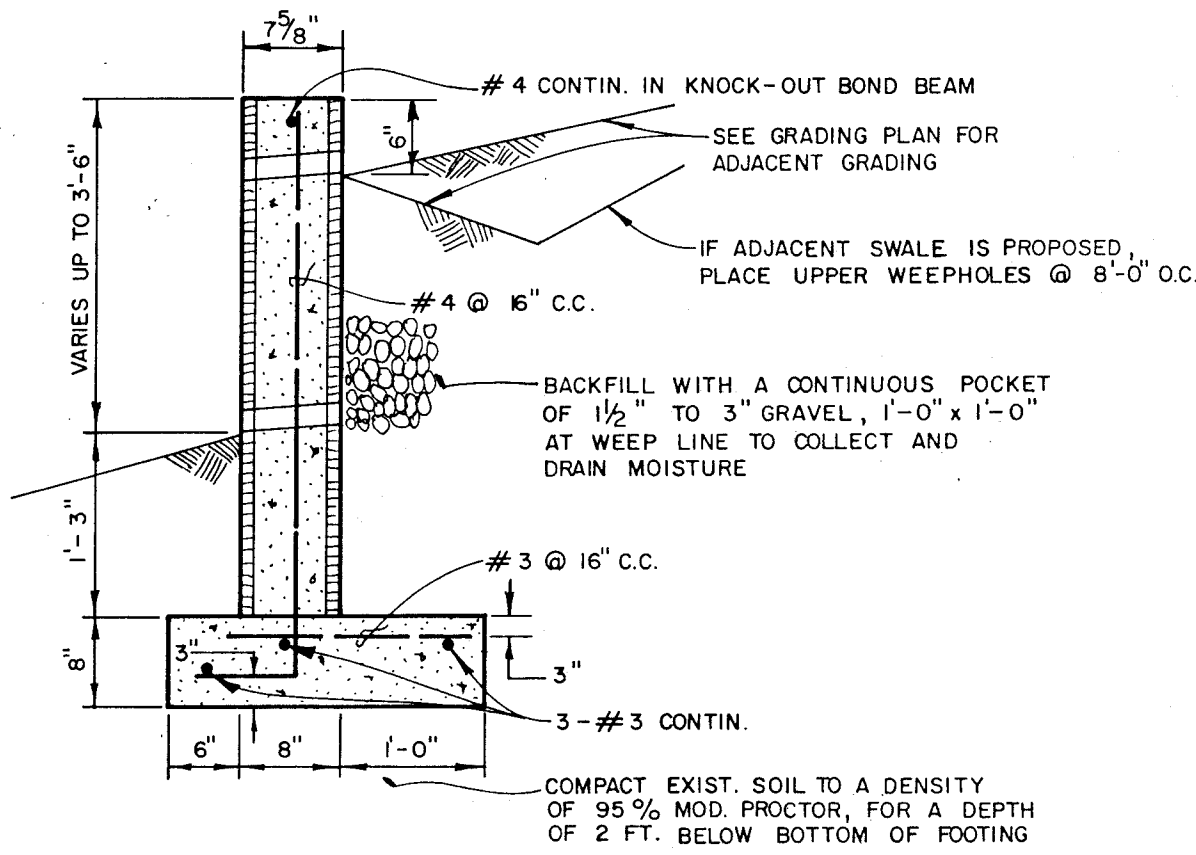
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

**TITLE: STORM DRAINAGE IMPROVEMENTS PLAN & PROFILE
TORRIBIO STORM DRAIN LINE; ANTONIO STORM DRAIN LINE;
ADELITA STORM DRAIN LINE**

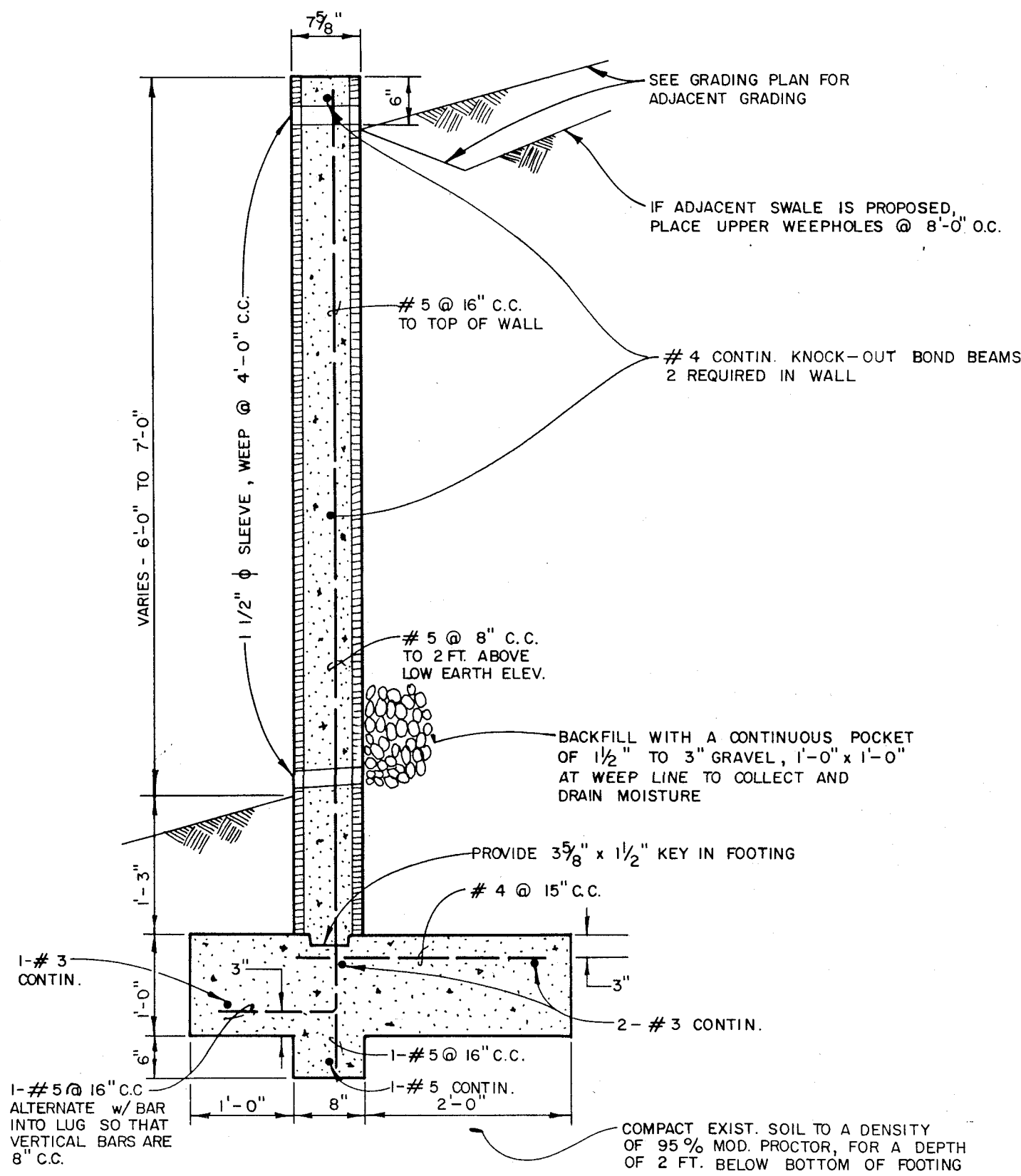
| APPROVALS | DATE | APPROVALS | DATE |
|--------------|----------|-----------|----------|
| D.R.C. Chair | 11/2/87 | APPROVAL | 10/19/87 |
| Design | 10/19/87 | APPROVAL | 10/20/87 |
| Hydrology | 10/22/87 | APPROVAL | 10/21/87 |

DRAWING NO. 3346 MAP NO. J-23 SHEET 12 OF 13

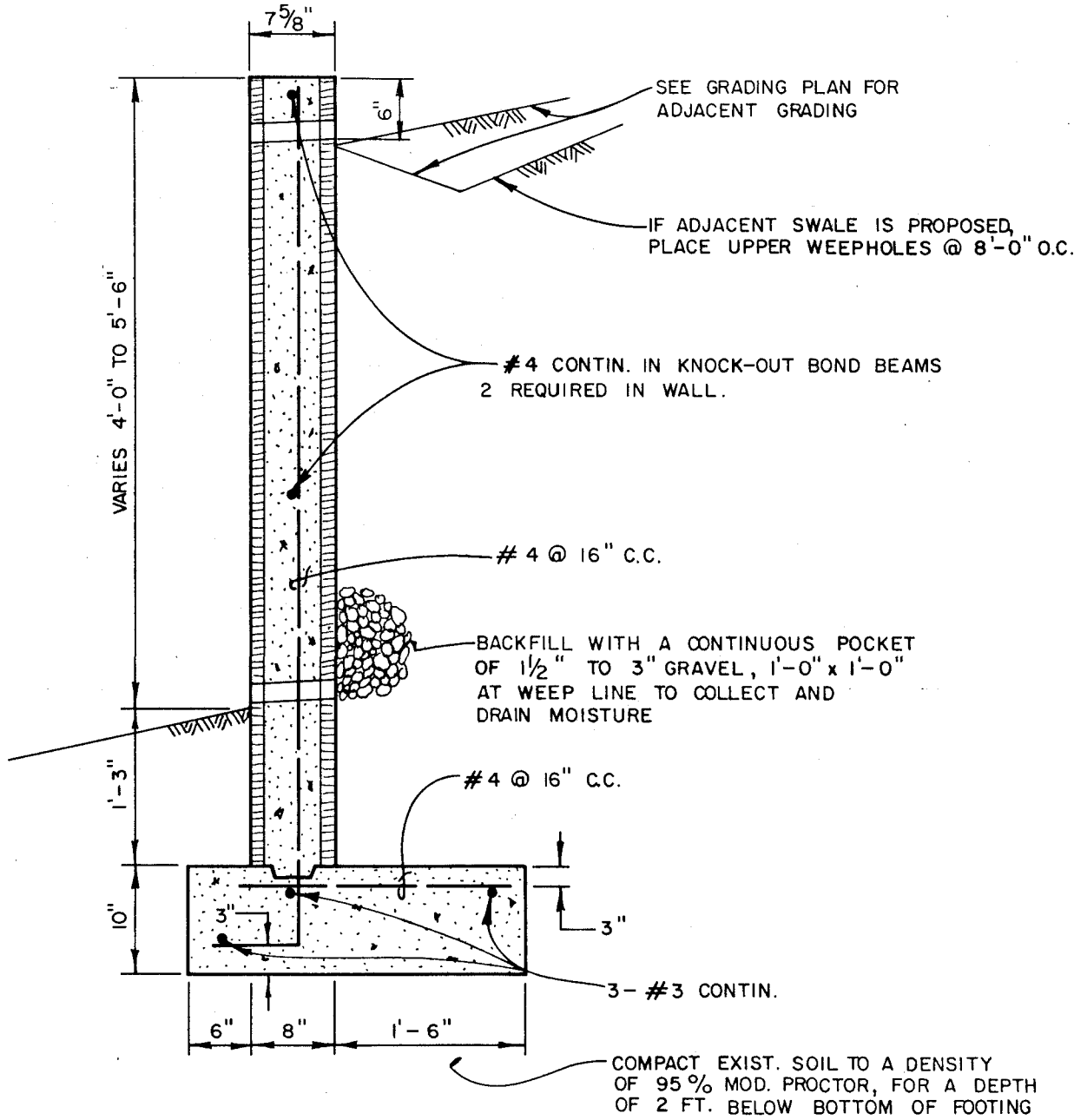
| AS BUILT INFORMATION | | BENCH MARKS | | SURVEY INFORMATION | | FIELD NOTES | | ENGINEER'S SEAL | | REVISIONS | | DATE | | DATE | |
|----------------------|----------|--|--|--------------------|----------|-------------|----|-----------------|----|-----------|------|------|------|------|------|
| DATE | 10/21/87 | THE STATION MARK IS A STANDARD ACS BRASS | TABLET STAMPED "1-423, 1982" SET 0.30 FT. BELOW THE GROUND WITHIN AN 11 INCH DIAMETER STEEL MONUMENT BOX. THE STATION IS LOCATED IN THE NORTH MEDIAN OF THE INTERSECTION OF TRAMWAY BLVD. AND INDIAN SCHOOL RD. ELEVATION = 5840.58 FEET (MSL) | DATE | 10/21/87 | NO | BY | ENGINEER'S SEAL | BY | REVISIONS | DATE | DATE | DATE | DATE | DATE |



TYPICAL RETAINING WALL $\leq 3'$
SCALE: 3/4" = 1'-0"




TYPICAL RETAINING WALL 5'-6" TO 6'-6"
SCALE: 3/4" = 1'-0"



TYPICAL RETAINING WALL 3'-6" TO 5'-0"
SCALE: 3/4" = 1'-0"

- NOTES:
- 8"x8"x16" CMU OF UBC STD. 24-4 OR 24-5.
 - USE KNOCK-OUT BOND BEAM BLOCK AT 4'-0" C.C., VERTICALLY, AND 1#4 CONTINUOUS.
 - FILL ALL BLOCK VOIDS WITH 3000 PSI CONCRETE.
 - REINFORCING TO BE INTERMEDIATE GRADE STEEL.
 $f_s = 20,000$ psi
 - INSTALL DUR-O-WALL REINFORCING EVERY SECOND COURSE.
 - SPLICE SHALL BE 40 BAR DIAM. MINIMUM FOR VERTICAL BARS. ALL OTHERS SHALL BE 20 BAR DIAM., MINIMUM.
 - CONCRETE FILL SHALL BE 21 DAYS OLD PRIOR TO BACKFILLING.

| AS BUILT INFORMATION | | | BENCH MARKS | | | SURVEY INFORMATION | | | ENGINEER'S SEAL | | |
|------------------------|---------------|------|--|-----|------|--------------------|----|-----|---|--------|-----------|
| CONTRACTOR | WORKED BY | DATE | THE STATION MARK IS A STANDARD ACS BRASS | NO. | DATE | FIELD NOTES | BY | NO. |  | | |
| INSPECTOR'S | ACCEPTANCE BY | DATE | TABLET STAMPED "1-J23, 1982" SET 0.30 FT. BELOW THE GROUND WITHIN AN 11 INCH DIAMETER STEEL MONUMENT BOX. THE STATION IS LOCATED IN THE NORTH MEDIAN OF THE INTERSECTION OF TRAMWAY BLVD. AND INDIAN SCHOOL RD. ELEVATION = 8840.58 FEET (MSL) | NO. | DATE | | | | | | |
| VERIFICATION BY | DATE | | | | | | | | REVISIONS | BY | |
| DRAWINGS | DATE | | | | | | | | NO. | DATE | |
| SOB | DATE | | | | | | | | DESIGNED BY | WRU. | DATE 7-87 |
| MICRO-FILM INFORMATION | DATE | | | | | | | | DRAWN BY | R.A.R. | DATE 7-87 |
| RECORDED BY | NO. | | | | | | | | CHECKED BY | WRU. | DATE 7-87 |

26 33461388

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **ALYSSE PLACE
RETAINING WALL SECTIONS**

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|--------------|--------------------|----------|-----------|----------|------|
| D.R.C. Chair | <i>[Signature]</i> | 11/6/87 | | | |
| Trans. Dev. | <i>[Signature]</i> | 11/24/87 | | | |
| Utility Dev. | <i>[Signature]</i> | 10/29/87 | | | |
| Hy. | <i>[Signature]</i> | 10/23/87 | | | |

DRAWING NO. **3346** MAP NO. **J-23** SHEET **13** OF **13**