SUNRISE TERRACE SUBDIVISION, UNIT III

ALBUQUERQUE, NEW MEXICO

IMPROVEMENTS FOR GRADING, PAVING, AND UTILITIES

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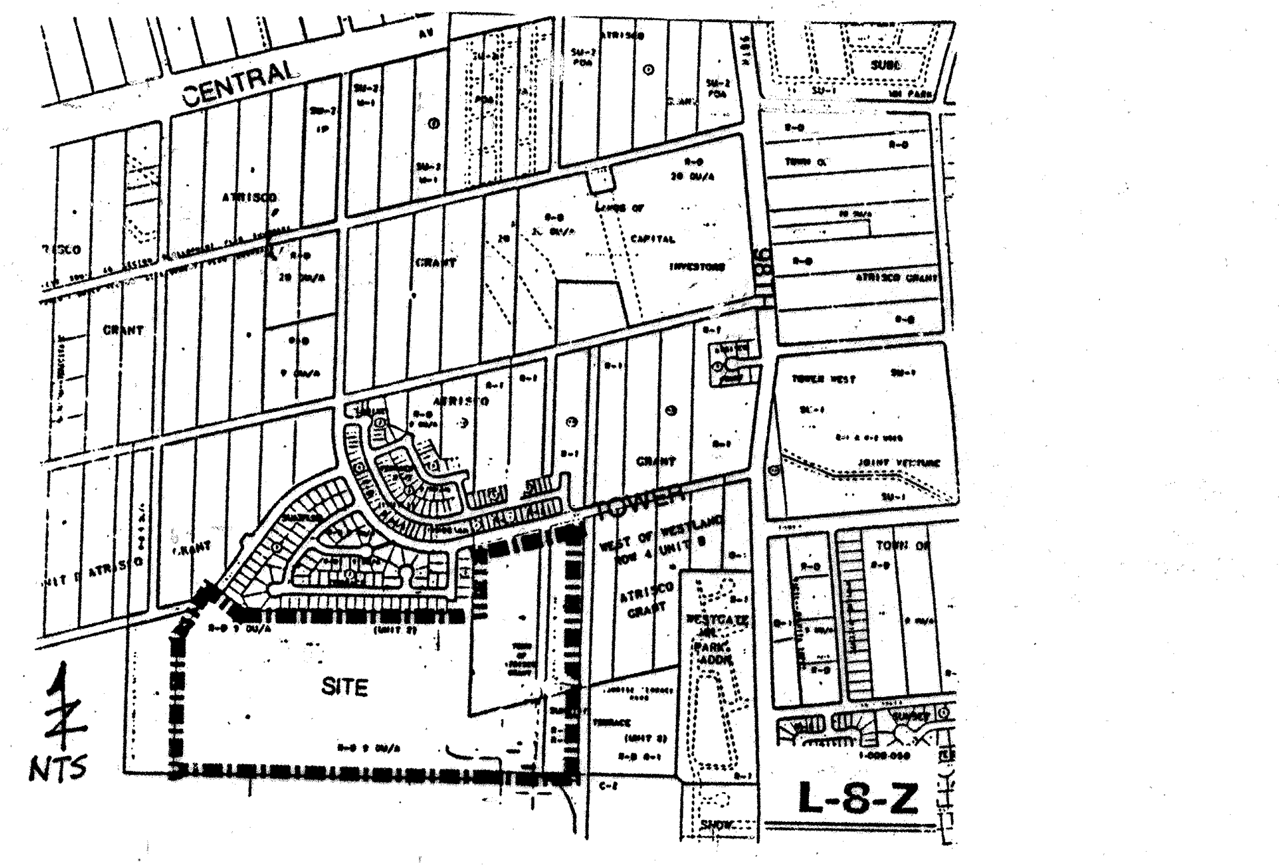
27A.	MISCELLANEOUS DETAILS

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
Peter Chang
DATE 8/19/99

SCANNED BY MESA REPRO



VICINITY MAP

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 for Public Works Construction 1986 Edition as amended with Update No. 4.
2. Prior to construction, the Contractor shall excavate & verify the horizontal and vertical locations of all obstructions. Should a conflict exist, the Contractor shall notify the Engineer so that the conflict can be resolved with minimum delay.
3. Two (2) working days prior to any excavation, Contractor must contact Line Locating Service @ 260 – 1990 for location of existing utilities.
4. Warning – EXISTING UTILITY LINE LOCATIONS are shown in an approximate manner only, and such lines may exist where none are shown. The location of any such existing lines is based upon information provided by the utility company, the owner, or by others, 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 underground utility lines, makes no representation pertaining therefor. The contractor shall inform itself of the location of any 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. The contractor shall comply with State statutes, municipal and local ordinances, rules and regulations pertaining to the location of these lines and facilities, in planning and conducting excavation, whether by calling or notifying the utilities, complying with "Blue Stakes" procedures, or otherwise.
5. TRAFFIC CONTROL: Three (3) working days prior to beginning construction the contractor shall submit to the Construction Co-ordination Division a detailed construction schedule. Two (2) working days prior to construction the contractor shall obtain a barricading permit from the Construction Coordination Division. Contractor shall notify Barricade Engineer (768-2551) prior to occupying an intersection. See section 19 of the specifications. All street striping altered or destroyed shall be replaced by contractor to location and in kind as existing at no additional cost to the owner.
6. 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.
7. The contractor is responsible for protecting and maintaining all existing monumentation controls. In the event of in-advertent destruction or alteration the contractor must immediately notify the City Chief Surveyor.

GRADING AND DRAINAGE CERTIFICATION

I, Robert B. Ryals, a Registered Professional Engineer in the State of New Mexico, hereby certify, based on as built information provided by Aldrich Land Surveying, that grading and drainage improvements, including retaining wall construction have been completed in substancial compliance with this approved plan for Sunrise Terrace Unit III.

Robert B. Ryals 1-20-95
Robert B. Ryals, PE

9436

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 5.15.95
Timothy Aldrich, P.S. No. 7719 Date

Timothy Aldrich 7719

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
3	18& 21	Billy J. Goolsby	5-17-95	R.W. Kane	11/21/94		
2	11–13	Billy J. Goolsby	5-17-95		11-23-94		
1	6–9	Billy J. Goolsby	5-17-95		12-23-94		

ENGINEER'S SEAL
Robert Ryals 9436
Robert Ryals 6-17-94

R Y A L S engineering & construction service
4929 Idlewilde S.E.
Albuquerque, NM 87108
(505) 265-8207
269–1142 mobile telephone

APPROVED FOR CONSTRUCTION
Ricardo B. Roybal 9/1/94
CITY ENGINEER DATE

PROJECT NO. 4970.90

SHEET 1 OF 27

94137324

~~94099020~~

CORRECTED
PLAT FOR
SUNRISE TERRACE UNIT III SUBDIVISION

CITY OF ALBUQUERQUE
BERNALILLO COUNTY
NEW MEXICO
JULY, 1994

State of New Mexico } SS
County of Bernalillo
This instrument was filed for record on
2:27 NOV 1 8 1994
At ___ o'clock P m. Recorded in Vol 94C
of records of said County Folio 388
Judy D. Woodward Clerk & Recorder
_______ Deputy Clerk

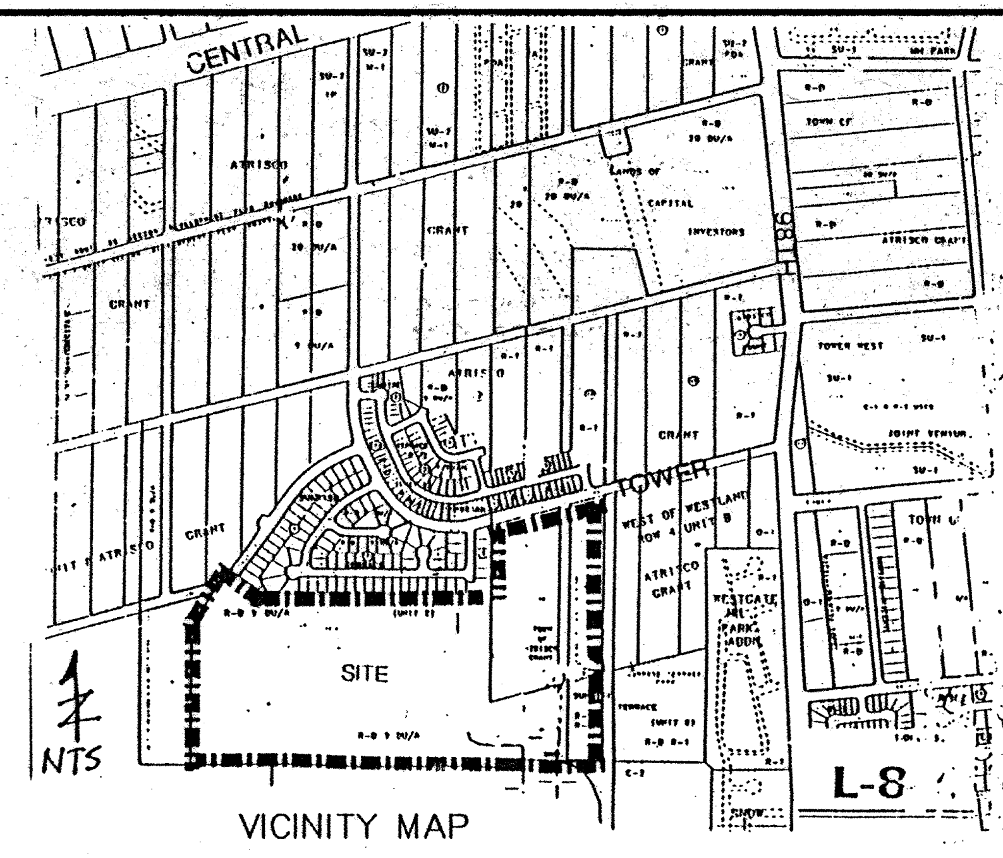
~~State of New Mexico } SS~~
~~County of Bernalillo~~
~~This instrument was filed for record on~~
~~3:32 AUG - 5 1994~~
~~At ___ o'clock P m. Recorded in Vol 94C~~
~~of records of said County Folio 2160~~
~~Judy D. Woodward Clerk & Recorder~~
~~_______ Deputy Clerk~~

THIS IS TO CERTIFY THAT TAXES ARE CURRENT AND
PAID ON UPC #: SEE ABOVE
PROPERTY OWNER OF RECORD:
AMERICAN SOUTHWEST HOMES LTD CO
BERNALILLO COUNTY TREASURER'S OFFICE:
Jamie Mikeal

SCANNED BY
MESA REPRO

PURPOSE OF CORRECTED PLAT

- ▽1 SHEET 2 OF 4 – CORRECT BOUNDARY TIES AS SHOWN.
- ▽2 SHEET 3 & 4 OF 4 – ADD LINES L23 AND L22 TO LINE TABLE AND ADD NOTE :"SEE SHEET 4 OF 4 FOR LINE AND CURVE TABLES.
- ▽3 SHEET 3 & 4 OF 4 – CORRECT AREA OF TRACT 3.
- △4 CORRECT STREET NAME OF CONNEMARA DRIVE TO AVENUE.



VICINITY MAP

PURPOSE OF THE PLAT

1. Vacate existing lot lines and easements and create lots as shown hereon.

SUBDIVISION DATA

1. Case No.: DRB–93–419, V–94–21
   S–94–8
2. Zone Atlas Index No.: L–8
3. Number of Lots Created: 71
4. Net Area: 58.5922 acres
5. Date of Survey: June 1, 1994
6. .63 miles of street created.
7. Talos Log #94071810580296

NOTES

1. Bearings are New Mexico State Plane Grid Bearings (Central Zone).
2. Distances are ground distances
3. Bearings and distances in parenthesis are record.
4. CITY OF ALBUQUERQUE WATER AND SANITARY SEWER SERVICE TO SUNRISE TERRACE UNIT III MUST BE VERIFIED AND COORDINATED WITH THE PUBLIC WORKS DEPARTMENT, CITY OF ALBUQUERQUE.

PUBLIC UTILITY EASEMENTS:

PUBLIC UTILITY EASEMENTS shown on this plat are granted for the common and joint use of:

1. The Public Service Company of New Mexico for the installation, maintenance, and service of overhead and undergroud electrical lines, transformers, poles and any other equipment, fixtures, structures and related facilities reasonably necessary to provide electrical services.
2. The Gas Company of New Mexico for installation, maintenance, and service of natural gas lines, valves and other equipment and facilities reasonably necessary to provide natural gas.
3. U.S. West for installaion, maintenance and services 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 pedestal and closures.
4. Jones Intercable for the installation, maintenance, and services of such lines, cable and other related facilities reasonably necessary to provide Cable TV Services.

Included the right to build, rebuild, construct, reconstruct, locate, relocate, change, remove, modify, renew, operate and maintain facilities for the purpose described above, together with free access to, from, and over said easements, including sufficient working area spaces for electric transformers, with the right and privilage to trim and remove trees, shrubs or bushes which interfere with the purpose set forth herein. No building, sign, pool (aboveground or subsurface), hot tub, concrete, or wood pool decking, or other structure shall be erected or constructed on said easements, nor shall any well be drilled or operated hereon. Property owners shall be solely responsible for correcting any violations of National Electric or Safety Code caused by construction or pools, decking or any structures adjecent to within or near easements shown on this plat.

DESCRIPTION

A certain parcel of land situate within projected section 29, T. 10 N., R. 2 E., N.M.P.M., comprising all of Tract One, of SUNRISE TERRACE – UNIT TWO, PHASE A–1, as the same is shown and designated on the plat filed in the office of the County Clerk of Bernalillo County, New Mexico, on January 8, 1987, Vol. C32, Folio 130, and also comprises all of Tracts 1 & 5, of UNIT B, of TOWN OF ATRISCO GRANT, as the same is shown and designated on the plat filed in the office of the County Clerk of Bernalillo County, New Mexico, on March 26, 1962, including a nondedicated portion of 102nd St. S.W., immediately south of Tower Road S.W., furthermore comprising all of TRACT A but EXCLUDING that dedicated portion of 102nd Street S.W., of SUNRISE TERRACE, UNIT II, PHASE A, as the same is shown and designated on the plat filed in the office of the County Clerk of Bernalillo County, New Mexico, on April 5, 1983, Vol. C21, Folio 25–1,2,3, and being further described by New Mexico State Plane Grid Bearings (Central Zone) and ground distances as follows;

BEGINNING at the Northeast corner of the parcel herein described, being a set 1/2" rebar w/survey cap stamped LS 7439. Whence the City of Albuquerque Survey Brass Cap "7–L9" having New Mexico State Plane Coordinates (Central Zone) Y=1,478,346.71 and X=352,978.14 Bears S 83 18' 30" E, 1029.37 feet, also being a point on the southerly right of way of Tower Road S.W. and on the westerly right of way of the SNOW VISTA DIVERSION CHANNEL;

THENCE S 00 17' 29" W, 1061.70 feet along the said westerly right of way of the SNOW VISTA DIVERSION CHANNEL and along the easterly boundary of the parcel herein described, to a found AMAFCA Brass Cap;

THENCE continuing along said westerly right of way of the SNOW VISTA DIVERSION CHANNEL, S 00 30' 23" E, 540.10 feet to the southeasterly corner of the parcel herein described, also being the southeast corner of said Tract A, being a found AMAFCA Brass Cap, whence the projected southeast corner of section 29, T10N, R2E, N.M.P.M., a found Brass Cap bears S 89 45' 34" E, 29.96 feet;

THENCE continuing along the southerly boundary of the parcel herein described N 89 22' 26" W, 210.39 feet to the southwest corner of said Tract A, being a point on the easterly right of way of 102 nd Street;

THENCE N 89 22' 26" W, 60.00 feet to a point on the westerly right of way of 102 nd Street, also being the southeasterly corner of said Tract One;

THENCE N 89 22' 26" W, 1966.37 feet along the southerly boundary of said Tract One, to the southwest corner, a found 5/8" rebar w/cap, also being the southwest corner of said Tract One;

THENCE leaving said southerly boundary and continuing N00 17' 55"E, 732.98 feet along the westerly boundary of the parcel herein described and the westerly boundary of said Tract One, to a point of curvature, said point being a found 1/2" rebar w/cap;

THENCE 250.82 feet along the arc of a curve to the right having a radius of 410.31 feet, a central angle of 35 01' 29" and a chord bearing N 17 48' 39" E, 246.93 feet, to a found 1/2" rebar w/cap;

THENCE N 35 19' 24" E, 253.60 feet to the northwest corner of the parcel herein described, and the northwest corner of said Tract One, being a found 1/2" rebar;

THENCE continuing along the northerly boundary of the Tract herein described and said Tract One, S 54 40' 12" E, 190.99 feet to a point;

THENCE N 65 01' 11" E, 38.08 feet to a point;

THENCE S 30 55' 33" E, 56.07 feet to a point;

THENCE S 89 41' 57" E, 180.00 feet to a point;

THENCE N 85 06' 23" E, 55.23 feet to a point;

THENCE S 89 41' 57" E, 940.00 feet to a point on the westerly right of way of Sandpiper Drive;

THENCE N 00 18' 03" E, 75.00 feet along said westerly right of way of Sandpiper Drive, to a point;

THENCE S 89 41' 57" E, 50.00 feet to a point on the easterly right of way of Sandpiper drive;

THENCE N 00 18' 03" E, 24.73 feet along the easterly right of way of Sandpiper Drive to a point;

THENCE S 89 41' 57" E, 99.21 feet to a point;

THENCE N 00 18' 03" E, 321.92 feet to a point on the southerly right of way of Tower Road;

THENCE N 74 57' 46" E, 482.21 feet along the southerly right of way of Tower Road to the point and place of beginning, and containing a a net area of 58.5922 acres, more or less.

OWNERS FREE CONSENT AND DEDICATION

The subdivision shown hereon is with the free consent and in accordance with the desires of the undersigned owner(s) and/or proprietor(s) thereof and said owner(s) and/or proprietor(s) do hereby dedicate all streets and public rights–of–way shown hereon to the City of Albuquerque in fee simple with warranty covenants and do hereby grant all access utility and drainage easements shown hereon including the right to construct, operate, inspect, and maintain facilities therein, and all public utility easements shown hereon for the common and joint use of gas, electrical power and communication services for buried distribution lines, conduits, and pipes for underground services for buried distribution lines, conduits, and pipes for underground utilities where shown or indicated, and including the right of ingress and egress for construction and maintenance, and the right to trim interfering trees and shrubs (see note 8). Said owner(s) and/or proprietor(s) do hereby consent to all of the foregoing and do hereby certify that this subdivision is their free act and deed.

Bruce J. Shipman July 18, 1994
American Southwest Homes, LTD Company Date
BY: Bruce J. Shipman, Manager

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO)
On this 18th day of July, 1994 the foregoing instrument was acknowledged before me. My commission expires 9-23-95.
Happy Radcell
Notary Public

In approving this plat, PNM did not conduct a Title Search of the properties shown hereon. Consequently, PNM does not waive or release any easement or easement rights which may have been granted by prior plat, replat, or other document and which are not shown on this plat.

APPROVED AND ACCEPTED BY

Subdivision Case No. ______ NC 11-18-94

Richard Dineen 8.4.94
Planning Director, City of Albuquerque, N.M. Date

Susan M Calongne 8-3-94
City Engineering Division, City of Albuquerque, N.M. Date

John Kelly 8-3-94
Albuquerque Metropolitan Arroyo Flood Control Authority Date

Richard Dourte 7.26.94
Traffic Division, City of Albuquerque, N.M. Date

Robert W. Kano 7-26-94
Water Utilities Department, City of Albuquerque, N.M. Date

Carol Schreider Dumont 8-2-94
Parks and Recreation Department, City of Albuquerque, N.M. Date

Wil Clark NW 11-16-94 071994
City Surveyor, City of Albuquerque, N.M. Date

P. J. Ruble 8/3/94
Property Management, City of Albuquerque N.M. Date

Jamie Mikeal
County Treasurer, Bernalillo County, N.M. Date

7-21-94
Gas Company of New Mexico Date

Mary Ann Jojola 7/21/94
U.S. West Telecommunications Date

7-21-94
Public Service Company of New Mexico Date

Karen Shore 7-21-94
Jones Intercable, Inc. Date

SURVEYOR'S CERTIFICATION

"I, Perfilio B. Lucero, a duly qualified Registered Professional Land Surveyor under the laws of the State of New Mexico, do hereby certify that this plat and description were prepared by me or under my supervision, shows all easements as shown on the plat of record or made known to me by the owners and/or proprietors of the subdivision shown hereon, utility companies and other parties expressing an interest and meets the minimum requirements for monumentation and surveys of the Albuquerque Subdivision Ordinance, and further meets the Minimum Standards for Land Surveying in the State of New Mexico (Effective November 1,1989) and is true and correct to the best of my knowledge and belief."

Perfilio B. Lucero 7/18/94
PERFILIO B. LUCERO N.M.R.P.L.S. No. 7439 Date

PERFILIO B. LUCERO 7439

R Y A L S engineering & construction services
4929 Idlewilde S.E. Albuquerque, NM 87108
(505) 265-8267 269-1142 mobile telephone

SHEET NO. 1 OF 4

94137324

~~94099020~~

CORRECTED
PLAT FOR
SUNRISE TERRACE UNIT III

~~State of New Mexico } SS~~
~~County of Bernalillo~~
~~This instrument was filed for record on~~
~~3:32 AUG - 5 1994~~
~~At ___ o'clock P m. Recorded in Vol 94C~~
~~of records of said County Folio 2160~~
~~Judy D. Woodward Clerk & Recorder~~
~~_______ Deputy Clerk~~

State of New Mexico } SS
County of Bernalillo
This instrument was filed for record on
2:27 NOV 1 8 1994
At ___ o'clock P m. Recorded in Vol 94C
of records of said County Folio 388
Judy D. Woodward Clerk & Recorder
_______ Deputy Clerk

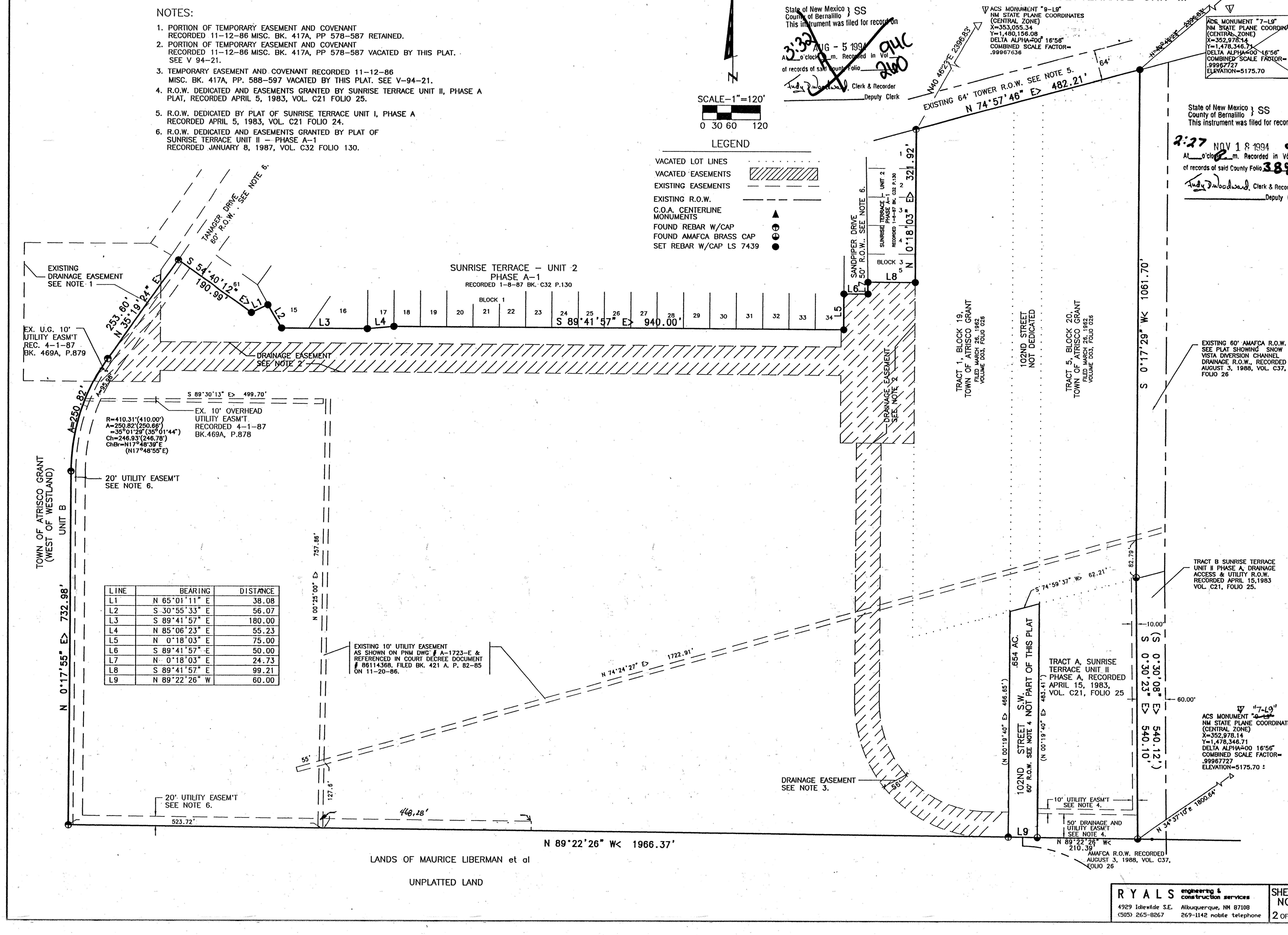
NOTES:

1. PORTION OF TEMPORARY EASEMENT AND COVENANT RECORDED 11–12–86 MISC. BK. 417A, PP 578–587 RETAINED.
2. PORTION OF TEMPORARY EASEMENT AND COVENANT RECORDED 11–12–86 MISC. BK. 417A, PP 578–587 VACATED BY THIS PLAT. SEE V 94–21.
3. TEMPORARY EASEMENT AND COVENANT RECORDED 11–12–86 MISC. BK. 417A, PP. 588–597 VACATED BY THIS PLAT. SEE V–94–21.
4. R.O.W. DEDICATED AND EASEMENTS GRANTED BY SUNRISE TERRACE UNIT II, PHASE A PLAT, RECORDED APRIL 5, 1983, VOL. C21 FOLIO 25.
5. R.O.W. DEDICATED BY PLAT OF SUNRISE TERRACE UNIT I, PHASE A RECORDED APRIL 5, 1983, VOL. C21 FOLIO 24.
6. R.O.W. DEDICATED AND EASEMENTS GRANTED BY PLAT OF SUNRISE TERRACE UNIT II – PHASE A–1 RECORDED JANUARY 8, 1987, VOL. C32 FOLIO 130.

SCALE–1"=120'
0 30 60 120

LEGEND

VACATED LOT LINES	· · · · · · ·
VACATED EASEMENTS	▨
EXISTING EASEMENTS	— — — —
EXISTING R.O.W.	—— — — ——
C.O.A. CENTERLINE MONUMENTS	▲
FOUND REBAR W/CAP	⊕
FOUND AMAFCA BRASS CAP	⊖
SET REBAR W/CAP LS 7439	●



LINE	BEARING	DISTANCE
L1	N 65°01'11" E	38.08
L2	S 30°55'33" E	56.07
L3	S 89°41'57" E	180.00
L4	N 85°06'23" E	55.23
L5	N 0°18'03" E	75.00
L6	S 89°41'57" E	50.00
L7	N 0°18'03" E	24.73
L8	S 89°41'57" E	99.21
L9	N 89°22'26" W	60.00

R Y A L S engineering & construction services
4929 Idlewilde S.E. Albuquerque, NM 87108
(505) 265-8267 269-1142 mobile telephone

SHEET NO. 2 OF 4

94137324

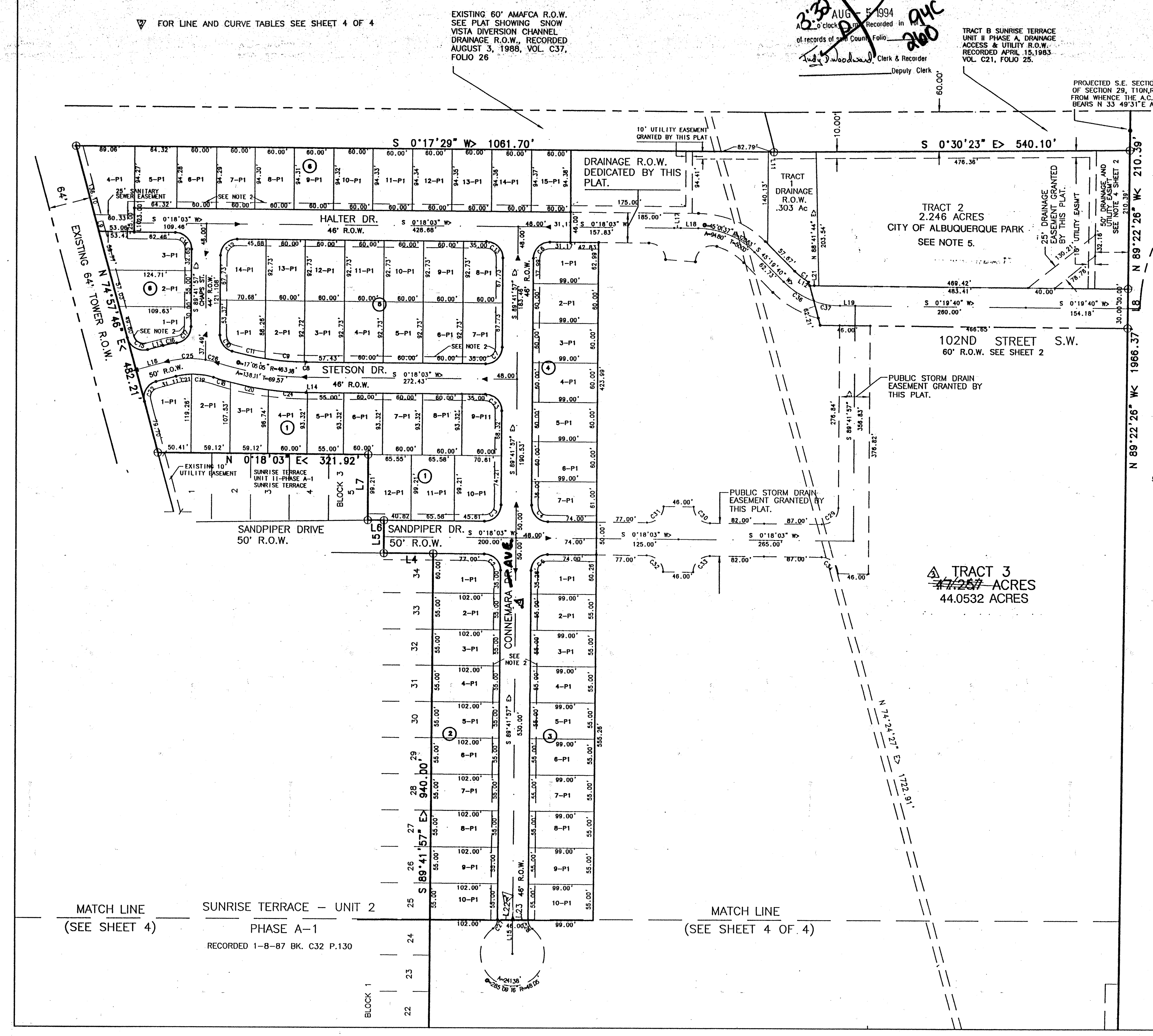
~~94099080~~

CORRECTED
PLAT FOR
SUNRISE TERRACE UNIT III

State of New Mexico } SS
County of Bernalillo
This instrument was filed for record on
~~3:32 AUG - 5 1994~~
~~At ___ o'clock P m. Recorded in Vol 94C~~
~~of records of said County Folio 260~~
Judy D. Woodward, Clerk & Recorder
Deputy Clerk

State of New Mexico } SS
County of Bernalillo
This instrument was filed for record on
2:27 NOV 1 8 1994
At ___ o'clock P m. Recorded in Vol 94C
of records of said County Folio 388
Judy D. Woodward, Clerk & Recorder
Deputy Clerk

SCALE-1"=100'


SCANNED BY MESA REPRO
FOR LINE AND CURVE TABLES SEE SHEET 4 OF 4
EXISTING 60' AMAFCA R.O.W. SEE PLAT SHOWING SNOW VISTA DIVERSION CHANNEL DRAINAGE R.O.W., RECORDED AUGUST 3, 1988, VOL. C37, FOLIO 26
TRACT B SUNRISE TERRACE UNIT II PHASE A, DRAINAGE ACCESS & UTILITY R.O.W. RECORDED APRIL 15,1983 VOL. C21, FOLIO 25.
PROJECTED S.E. SECTION CORNER OF SECTION 29, T10N,R2E,N.M.P.M. FROM WHENCE THE A.C.S. MONUMENT "7-E9" BEARS N 33 49'31"E A DISTANCE 1783.90
AMAFCA R.O.W. RECORDED AUGUST 3, 1988, VOL. C37, FOLIO 26
S 0°17'29" W> 1061.70'
S 0°30'23" E> 540.10'
N 89°22'26" W< 210.39'
N 89°22'26" W< 1966.37'
10' UTILITY EASEMENT GRANTED BY THIS PLAT
DRAINAGE R.O.W. DEDICATED BY THIS PLAT.
TRACT 1 DRAINAGE R.O.W. .303 Ac
TRACT 2 2.246 ACRES CITY OF ALBUQUERQUE PARK SEE NOTE 5.
25' DRAINAGE EASEMENT GRANTED BY THIS PLAT.
10' UTILITY EASM'T
50' DRAINAGE AND UTILITY EASM'T SEE NOTE 4 SHEET 2
102ND STREET S.W. 60' R.O.W. SEE SHEET 2
HALTER DR. 46' R.O.W.
STETSON DR. 46' R.O.W.
SANDPIPER DR. 50' R.O.W.
SANDPIPER DRIVE 50' R.O.W.
CONNEMARA DRIVE
EXISTING 64' TOWER R.O.W.
N 74°57'46" E< 482.21'
N 0°18'03" E< 321.92'
S 89°41'57" E> 940.00'
N 74°24'27" E> 1722.91'
EXISTING 10' UTILITY EASEMENT
SUNRISE TERRACE UNIT II-PHASE A-1 SUNRISE TERRACE
PUBLIC STORM DRAIN EASEMENT GRANTED BY THIS PLAT.
TRACT 3 ~~47.257~~ ACRES 44.0532 ACRES
MATCH LINE (SEE SHEET 4)
SUNRISE TERRACE – UNIT 2 PHASE A-1 RECORDED 1-8-87 BK. C32 P.130
MATCH LINE (SEE SHEET 4 OF 4)
BLOCK 1
BLOCK 3

LEGEND

VACATED LOT LINES	· · · · · · · · · ·
VACATED EASEMENTS	▨
EXISTING EASEMENTS	— — — —
EXISTING R.O.W.	——— — — ———
C.O.A. CENTERLINE MONUMENTS	▲

NOTES:

1. ALL SIDE LOTS ARE PERPENDICULAR OR RADIAL TO STREET RIGHT-OF-WAY UNLESS NOTED (NP) (NR).
2. 10' UTILITY EASEMENTS ALONG THE FRONTAGE OF ALL LOTS ARE GRANTED BY THIS PLAT UNLESS OTHERWISE NOTED.
3. CENTERLINE (IN LIEU OF R.O.W.) MONUMENTATION TO BE INSTALLED AT ALL CENTERLINE P.C.'S, P.T.'S ANGLE POINTS AND STREET INTERSECTIONS PRIOR TO ACCEPTANCE OF SUBDIVISION STREET IMPROVEMENTS AND WILL CONSIST OF A FOUR-INCH (4") ALUMINUM ALLOY CAP STAMPED "CITY OF ALBUQUERQUE", "CENTERLINE MONUMENTATION", "SURVEY MARKER", "DO NOT DISTURB", "L.S.#7439".
4. HOUSE PADS, ON LOTS WITH STREETS ORIENTATED THIRTY DEGREES (30) OR NORTH WILL HAVE A MINIMUM TEN FOOT (10') SIDE YARD SETBACK AND CONFORM TO CURRENT SOLAR ORDINANCES.
5. THE 2.246 ACRE PARK INCLUDES 1.74 ACRES PREVIOUSLY DEEDED TO THE CITY OF ALBUQUERQUE FOR PARKS AND .506 ACRES DEDICATED TO THE CITY OF ALBUQUERQUE BY THIS PLAT. THE .506 ACRES INCLUDES .230 ACRES REQUIRED TO COMPLETE PARK DEDICATION REQUIREMENTS FOR SUNRISE TERRACE UNITS III, IV & V.

LOT AREA TABLES

LOT #	AREA (ft^2)
BLOCK 1	
1-P1	7161.87
2-P1	6791.64
3-P1	6000.91
4-P1	5664.99
5-P1	5132.59
6-P1	5599.20
7-P1	5599.20
8-P1	5599.20
9-P1	5465.08
10-P1	6870.37
11-P1	6506.21
12-P1	6503.24
BLOCK 2	
1-P1	5985.88
2-P1	5610.00
3-P1	5610.00
4-P1	5610.00
5-P1	5610.00
6-P1	5610.00
7-P1	5610.00
8-P1	5610.00
9-P1	5610.00
10-P1	5610.00
BLOCK 3	
1-P1	5831.64
2-P1	5445.00
3-P1	5445.00
4-P1	5445.00
5-P1	5445.00
6-P1	5445.00
7-P1	5445.00
8-P1	5445.00
9-P1	5445.00
10-P1	5445.00
BLOCK 4	
1-P1	6101.78
2-P1	5940.00

LOT AREA TABLES

LOT #	AREA (ft^2)
BLOCK 4	
3-P1	5940.00
4-P1	5940.00
5-P1	5940.00
6-P1	5940.00
7-P1	5904.91
BLOCK 5	
1-P1	5671.18
2-P1	5470.72
3-P1	5563.67
4-P1	5563.80
5-P1	5563.80
6-P1	5563.85
7-P1	5429.70
8-P1	5429.69
9-P1	5563.75
10-P1	5563.80
11-P1	5563.80
12-P1	5563.80
13-P1	5563.85
14-P1	6419.98
BLOCK 6	
1-P1	5916.55
2-P1	6444.03
3-P1	7509.84
4-P1	9327.64
5-P1	6063.81
6-P1	5657.10
7-P1	5657.70
8-P1	5658.30
9-P1	5658.90
10-P1	5659.50
11-P1	5660.10
12-P1	5660.70
13-P1	5661.30
14-P1	5661.90
15-P1	5662.45

R Y A L S engineering & construction services
4929 Idlewilde S.E. Albuquerque, NM 87108
(505) 265-8267 269-1142 mobile telephone

SHEET NO. 3 OF 4

94137324

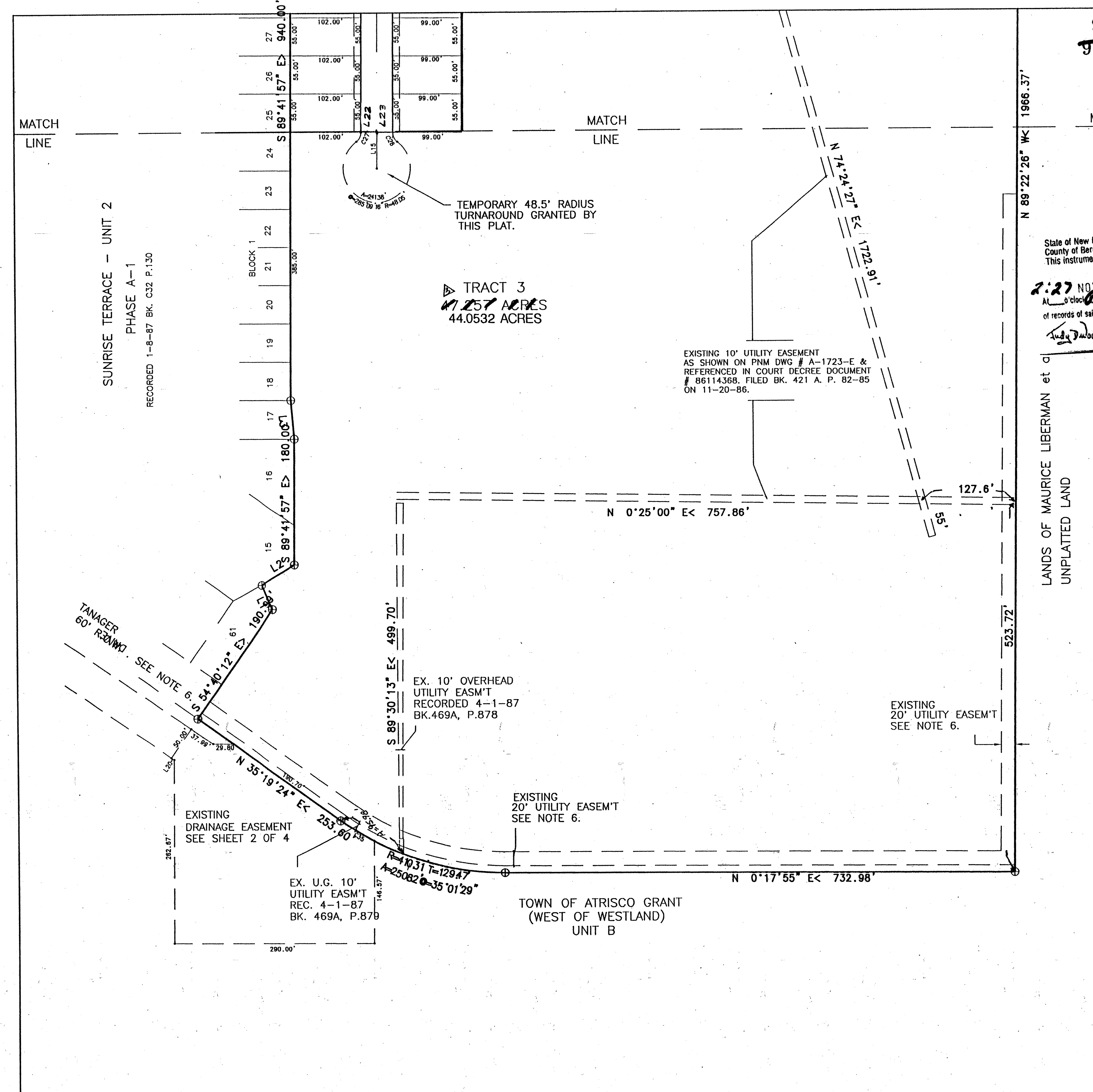
~~94099020~~

CORRECTED
PLAT FOR
SUNRISE TERRACE UNIT III

State of New Mexico } SS
County of Bernalillo
This instrument was filed for record on
~~3:32 AUG - 5 1994~~
~~At ___ o'clock P m. Recorded in Vol 94C~~
~~of records of said County Folio 260~~
Judy D. Woodward, Clerk & Recorder
Deputy Clerk

SCALE-1"=100'

State of New Mexico } SS
County of Bernalillo
This instrument was filed for record on
2:27 NOV 1 8 1994
At ___ o'clock P m. Recorded in Vol 94C
of records of said County Folio 388
Judy D. Woodward, Clerk & Recorder
Deputy Clerk


MATCH LINE
S 89°41'57" E> 940.00'
S 89°41'57" E> 180.00'
N 89°22'26" W< 1966.37'
N 74°24'27" E< 1722.91'
SUNRISE TERRACE – UNIT 2 PHASE A-1 RECORDED 1-8-87 BK. C32 P.130
BLOCK 1
TEMPORARY 48.5' RADIUS TURNAROUND GRANTED BY THIS PLAT.
TRACT 3 ~~47.257~~ ACRES 44.0532 ACRES
EXISTING 10' UTILITY EASEMENT AS SHOWN ON PNM DWG # A-1723-E & REFERENCED IN COURT DECREE DOCUMENT # 86114368. FILED BK. 421 A. P. 82-85 ON 11-20-86.
127.6'
55'
N 0°25'00" E< 757.86'
S 89°30'13" E< 499.70'
523.72'
EX. 10' OVERHEAD UTILITY EASM'T RECORDED 4-1-87 BK.469A, P.878
EXISTING 20' UTILITY EASEM'T SEE NOTE 6.
EXISTING 20' UTILITY EASEM'T SEE NOTE 6.
TANAGER 60' R.O.W. SEE NOTE 6.
S 54°40'12" E> 190.27'
N 35°19'24" E< 253.60'
EXISTING DRAINAGE EASEMENT SEE SHEET 2 OF 4
EX. U.G. 10' UTILITY EASM'T REC. 4-1-87 BK. 469A, P.879
290.00'
N 0°17'55" E< 732.98'
TOWN OF ATRISCO GRANT (WEST OF WESTLAND) UNIT B
LANDS OF MAURICE LIBERMAN et al UNPLATTED LAND

NOTES:

1. ALL SIDE LOTS ARE PERPENDICULAR OR RADIAL TO STREET RIGHT-OF-WAY UNLESS NOTED (NP) (NR).
2. UTILITY EASEMENTS ALONG THE FRONTAGE OF ALL LOTS ARE 10' UNLESS OTHERWISE NOTED.
3. CENTERLINE (IN LIEU OF R.O.W.) MONUMENTATION TO BE INSTALLED AT ALL CENTERLINE P.C.'S, P.T.'S ANGLE POINTS AND STREET INTERSECTIONS PRIOR TO ACCEPTANCE OF SUBDIVISION STREET IMPROVEMENTS AND WILL CONSIST OF A FOUR-INCH (4") ALUMINUM ALLOY CAP STAMPED "CITY OF ALBUQUERQUE", "CENTERLINE MONUMENTATION", "SURVEY MARKER", "DO NOT DISTURB", "L.S.#7439".
4. HOUSE PADS, ON LOTS WITH STREETS ORIENTATED THIRTY DEGREES (30) OR NORTH WILL HAVE A MINIMUM TEN FOOT (10') SIDE YARD SETBACK AND CONFORM TO CURRENT SOLAR ORDINANCES.

CURVE	ARC	DELTA	RADIUS	CHORD LENGTH	CHORD BEARING	TAN LENGTH
C1	27.09	15°53'04"	97.71	27.00	S 37°23'08" W	13.63
C2	39.27	90°00'00"	25.00	35.36	N 45°18'03" E	25.00
C3	39.26	89°59'00"	25.00	35.35	S 44°42'27" E	24.99
C4	39.27	90°00'00"	25.00	35.36	S 45°18'03" W	25.00
C5	39.27	90°00'00"	25.00	35.36	N 44°41'57" W	25.00
C6	39.27	90°00'00"	25.00	35.36	N 44°41'57" W	25.00
C7	39.27	90°00'00"	25.00	35.36	S 44°41'57" E	25.00
C8	2.57	0°20'05"	440.18	2.57	S 0°28'06" W	1.29
C9	60.21	7°50'15"	440.18	60.17	S 4°33'16" W	30.15
C10	32.68	74°53'10"	25.00	30.40	S 52°51'28" W	19.14
C11	53.33	6°56'30"	440.18	53.30	S 11°56'38" W	26.70
C12	39.27	90°00'00"	25.00	35.36	N 44°41'57" W	25.00
C13	39.27	90°00'00"	25.00	35.36	N 45°18'03" E	25.00
C14	39.27	90°00'00"	25.00	35.36	N 45°18'03" E	25.00
C15	39.19	89°48'48"	25.00	35.30	S 30°03'22" W	24.92
C16	21.02	7°22'10"	163.42	21.01	S 11°09'57" E	10.52
C17	35.87	82°13'06"	25.00	32.87	S 48°35'24" E	21.82
C18	27.13	3°11'51"	486.18	27.13	N 15°47'14" E	13.57
C19	33.43	18°41'52"	102.43	33.28	N 8°02'12" E	16.86
C20	60.14	7°05'13"	486.18	60.10	N 10°38'42" E	30.11
C21	24.20	13°32'18"	102.43	24.15	N 8°04'53" W	12.16
C22	39.35	90°11'12"	25.00	35.41	N 59°56'38" W	25.08
C23	39.27	90°00'00"	25.00	35.36	N 45°18'03" E	25.00
C24	57.71	6°48'03"	486.18	57.67	N 3°42'05" E	28.89
C25	58.18	24°04'55"	138.42	57.75	S 2°48'34" E	29.53
C26	19.70	8°09'15"	138.42	19.68	S 13°18'31" W	9.87
C27	15.14	52°34'38"	16.50	14.62	N 63°24'38" W	8.15
C28	15.14	52°34'38"	16.50	14.62	N 64°00'44" E	8.15
C29	39.27	90°00'00"	25.00	35.36	N 44°41'57" W	25.00
C30	39.27	90°00'00"	25.00	35.36	N 45°18'03" E	25.00
C31	39.27	90°00'00"	25.00	35.36	N 44°41'57" W	25.00
C32	39.27	90°00'00"	25.00	35.36	S 45°18'03" W	25.00
C33	39.27	90°00'00"	25.00	35.36	S 44°41'57" E	25.00
C34	39.27	90°00'00"	25.00	35.36	S 45°18'03" W	25.00
C35	56.16	7°50'30"	410.31	56.11	N 31°24'09" E	28.12
C36	54.36	25°48'11"	120.71	53.90	S 32°25'35" W	27.65
C37	40.44	19°11'49"	120.71	40.26	S 09°55'35" W	20.41

LINE	BEARING	DISTANCE
L1	N 65°01'11" E	38.08
L2	S 30°55'33" E	56.07
L3	N 85°06'23" E	55.23
L4	N 0°18'03" E	75.00
L5	S 89°41'57" E	50.00
L6	N 0°18'03" E	24.73
L7	S 89°41'57" E	99.21
L8	N 89°22'26" W	60.00
L9	S 74°57'46" W	25.92
L10	S 89°41'57" E	14.00
L11	N 0°17'29" E	8.32
L12	S 74°59'37" W	5.54
L13	S 14°51'02" E	24.51
L14	N 0°18'03" E	2.43
L15	S 89°41'57" E	51.88
L16	S 14°51'02" E	49.35
L17	S 0°18'03" W	10.00
L18	S 0°18'03" W	26.98
L19	S 0°19'40" W	23.00
L20	S 34°36'03" W	4.96
L21	S 00°19'40" W	13.99
L22	S 0°56'44" W	23.00
L23	S 00°18'03" W	23.00

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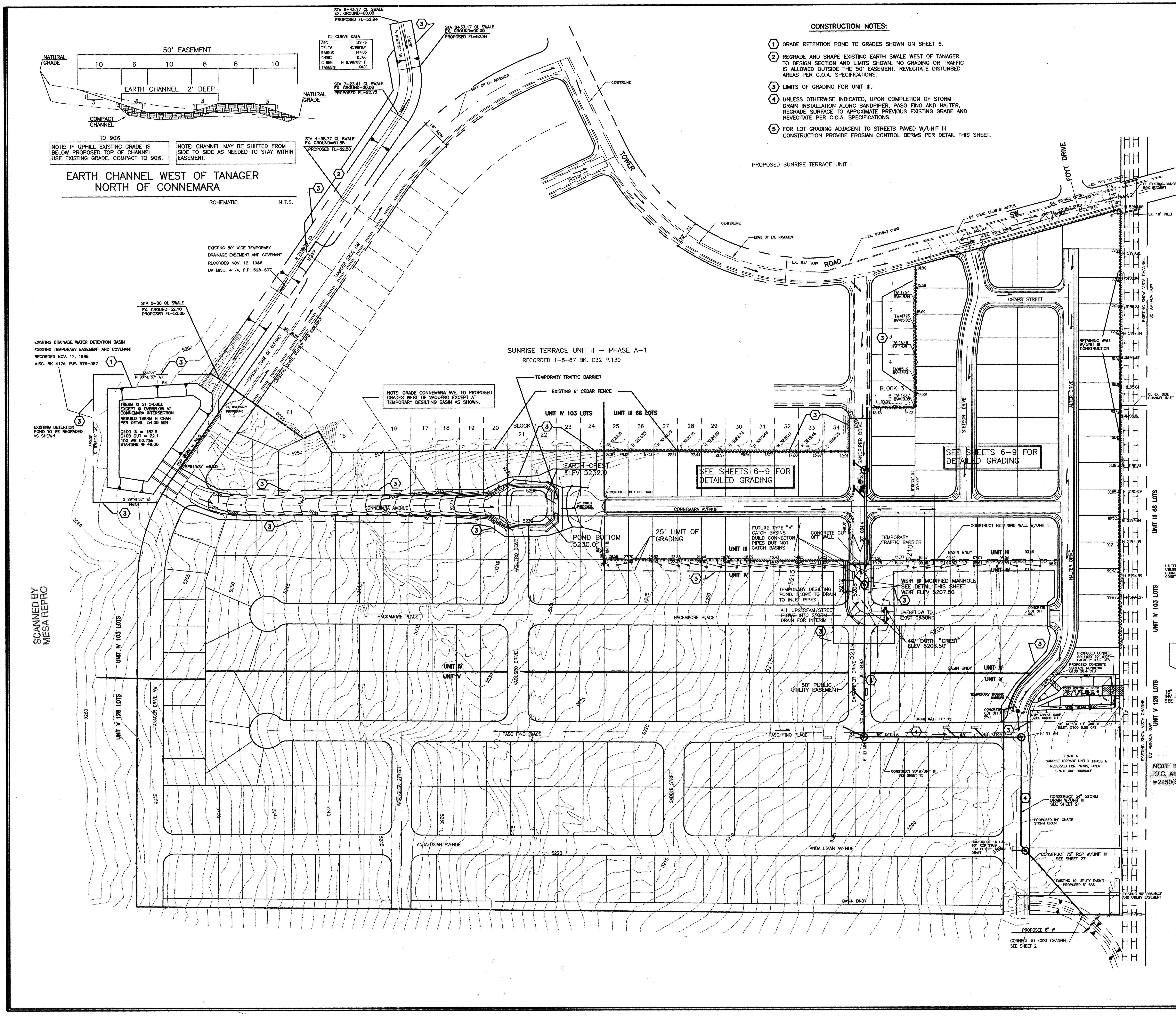
SHEET NO. 4 OF 4


50' EASEMENT
10
6
10
6
8
10
NATURAL GRADE
EARTH CHANNEL 2' DEEP
COMPACT CHANNEL
TO 90%
STA 9+43.17 CL SWALE
EX. GROUND=00.00
PROPOSED FL=52.94
STA 8+37.17 CL SWALE
EX. GROUND=00.00
PROPOSED FL=52.84
CL CURVE DATA
ARC 113.76
DELTA 45°00'00"
RADIUS 144.85
CHORD 110.86
C BRG N 12°06'03" E
TANGENT 60.00
STA 7+23.41 CL SWALE
EX. GROUND=00.00
PROPOSED FL=52.72
STA 4+95.77 CL SWALE
EX. GROUND=51.85
PROPOSED FL=52.50
STA 0+00 CL SWALE
EX. GROUND=52.10
PROPOSED FL=52.00
TANAGER DRIVE NW
TOWER ROAD SW
FOYT DRIVE
PUFFIN CT.
CENTERLINE
EDGE OF EX. PAVEMENT
EX. 84' ROW
EXISTING 50' WIDE TEMPORARY DRAINAGE EASEMENT AND COVENANT RECORDED NOV. 12, 1986 BK MISC. 417A, P.P. 598-607
EXISTING DRAINAGE WATER DETENTION BASIN EXISTING TEMPORARY EASEMENT AND COVENANT RECORDED NOV. 12, 1986 MISC. BK 417A, P.P. 578-587
EXISTING DETENTION POND TO BE REGRADED AS SHOWN
TBERM @ ST 54.00± EXCEPT @ OVERFLOW AT CONNEMARA INTERSECTION REBUILD TBERM IN CHAN PER DETAIL, 54.00 MIN
Q100 IN = 152.5
Q100 OUT = 22.1
100 WS 52.72±
STARTING @ 49.00
TOP BERM=54.0
SPILLWAY=53.0
SUNRISE TERRACE UNIT II – PHASE A–1
RECORDED 1–8–87 BK. C32 P.130
TEMPORARY TRAFFIC BARRIER
EXISTING 6' CEDAR FENCE
NOTE: GRADE CONNEMARA AVE. TO PROPOSED GRADES WEST OF VAQUERO EXCEPT AT TEMPORARY DESILTING BASIN AS SHOWN.
UNIT IV 103 LOTS
UNIT III 68 LOTS
BLOCK 21
BLOCK 3
EARTH CREST ELEV 5232.0
POND BOTTOM 5230.0
25' LIMIT OF GRADING
SEE SHEETS 6–9 FOR DETAILED GRADING
FUTURE TYPE "A" CATCH BASINS BUILD CONNECTOR PIPES BUT NOT CATCH BASINS
CONCRETE OFF WALL
TEMPORARY TRAFFIC BARRIER
BASIN BNDY
CONSTRUCT RETAINING WALL W/UNIT III
CONCRETE CUT OFF WALL
CONNEMARA AVENUE
HACKAMORE PLACE
PASO FINO PLACE
ANDALUSIAN AVENUE
CHAPS STREET
STETSON DRIVE
HALTER DRIVE
SANDPIPER DRIVE
VAQUERO DRIVE
WRANGLER STREET
SADDLE STREET
TEMPORARY DESILTING POND. SLOPE TO DRAIN TO INLET PIPES
ALL UPSTREAM STREET FLOWS INTO STORM DRAIN FOR INTERIM
WEIR @ MODIFIED MANHOLE SEE DETAIL THIS SHEET WEIR ELEV 5207.50
OVERFLOW TO EXIST GROUND
40' EARTH "CREST" ELEV 5208.50
50' PUBLIC UTILITY EASEMENT
UNIT IV
UNIT V
UNIT III
RETAINING WALL W/UNIT III CONSTRUCTION
PROPOSED CONCRETE SPILLWAY 22' WIDE CAPACITY 47.2 CFS
TEMPORARY TRAFFIC BARRIER
CONCRETE CUT OFF WALL
FUTURE INLET TYP.
CONSTRUCT SD W/UNIT III SEE SHEET 15
TRACT A SUNRISE TERRACE UNIT II PHASE A RESERVED FOR PARKS, OPEN SPACE AND DRAINAGE
CONSTRUCT 54" STORM DRAIN W/UNIT III SEE SHEET 21
PROPOSED 54" ONSITE STORM DRAIN
CONSTRUCT 72" RCP W/UNIT III SEE SHEET 27
EXISTING 10' UTILITY EASM'T PROPOSED 8" SAS
EXISTING 50' DRAINAGE AND UTILITY EASEMENT
PROPOSED 8" W
CONNECT TO EXIST CHANNEL SEE SHEET 2
EXISTING SNOW VISTA CHANNEL
60' AMFACA ROW
CL EX. SIDE CHANNEL INLET
UNIT III 68 LOTS
UNIT IV 103 LOTS
UNIT V 128 LOTS
BASIN BNDY
SCANNED BY MESA REPRO
SCALE–1"=100'
0 25 50 100

CONSTRUCTION NOTES:

1. GRADE RETENTION POND TO GRADES SHOWN ON SHEET 6.
2. REGRADE AND SHAPE EXISTING EARTH SWALE WEST OF TANAGER TO DESIGN SECTION AND LIMITS SHOWN. NO GRADING OR TRAFFIC IS ALLOWED OUTSIDE THE 50' EASEMENT. REVEGITATE DISTURBED AREAS PER C.O.A. SPECIFICATIONS.
3. LIMITS OF GRADING FOR UNIT III.
4. UNLESS OTHERWISE INDICATED, UPON COMPLETION OF STORM DRAIN INSTALLATION ALONG SANDPIPER, PASO FINO AND HALTER, REGRADE SURFACE TO APPOXIMATE PREVIOUS EXISTING GRADE AND REVEGITATE PER C.O.A. SPECIFICATIONS.
5. FOR LOT GRADING ADJACENT TO STREETS PAVED W/UNIT III CONSTRUCTION PROVIDE EROSIAN CONTROL BERMS PER DETAIL THIS SHEET.

PROPOSED SUNRISE TERRACE UNIT I

NOTE: IF UPHILL EXISTING GRADE IS BELOW PROPOSED TOP OF CHANNEL USE EXISTING GRADE. COMPACT TO 90%.

NOTE: CHANNEL MAY BE SHIFTED FROM SIDE TO SIDE AS NEEDED TO STAY WITHIN EASEMENT.

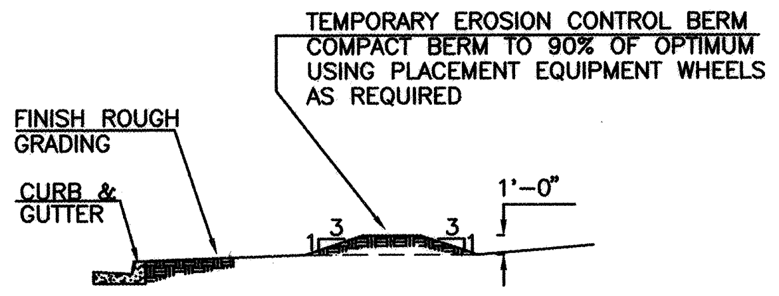
EARTH CHANNEL WEST OF TANAGER NORTH OF CONNEMARA

SCHEMATIC N.T.S.

NOTE: STORM DRAIN FLOWS SHOWN ARE FOR FULL DEVELOPMENT. INTERIM PIPE FLOWS ARE LOWER DOWNSTREAM OF HACKAMORE AND SLIGHTLY HIGHER UPSTREAM (POND AND STORM DRAIN DRY UP STREET IN INTERIM)

LEGEND

▢▢▢▢▢	A RETAINING WALL RETAINING 18" OR LESS.
▱▱▱▱▱	A RETAINING WALL RETAINING 18" OR MORE.
▱▱▱▱▱	EXISTING RETAINING WALL 18" OR MORE
—⊙	STORM DRAIN WITH UNIT III.
▤	STORM DRAIN INLET WITH UNIT III
	EXISTING CONTOURS
	PROPOSED GRADE
H 5219.46	EXISTING GROUND

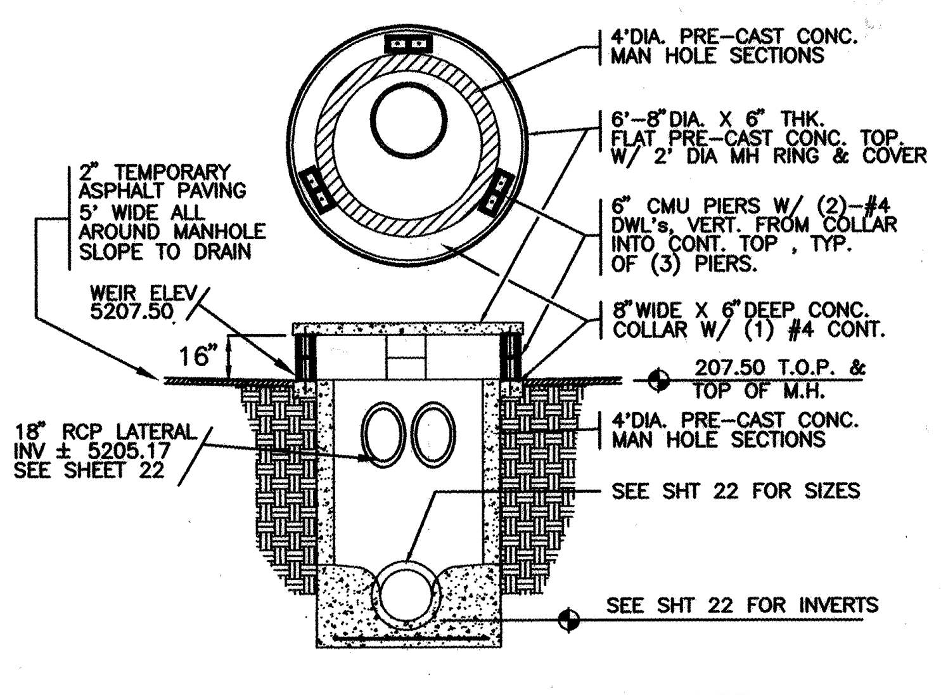

TEMPORARY EROSION CONTROL BERM COMPACT BERM TO 90% OF OPTIMUM USING PLACEMENT EQUIPMENT WHEELS AS REQUIRED
FINISH ROUGH GRADING
CURB & GUTTER
3
3
1
1
1'–0"

EROSION CONTROL BERM

TYPICAL SECTION THROUGH BERM NOT TO SCALE

EROSION CONTROL BERMS ARE TO BE INSTALLED ON ALL LOTS ADJACENT TO THE PROPOSED STREETS OF THIS PROJECT, AND FOR THE 1ST 25' BACK FROM THE CURB ON EVERY FIFTH LOT

HALTER PAVING, CURB, GUTTER AND UTILITIES FROM UNIT III/IV PHASE BOUNDARY TO SOUTH OF POND, TO BE CONSTRUCTED WITH UNIT III AS SHOWN.


4'DIA. PRE–CAST CONC. MAN HOLE SECTIONS
6'–8" DIA. X 6" THK. FLAT PRE–CAST CONC. TOP. W/ 2' DIA MH RING & COVER
6" CMU PIERS W/ (2)–#4 DWL's, VERT. FROM COLLAR INTO CONT. TOP, TYP. OF (3) PIERS.
8" WIDE X 6" DEEP CONC. COLLAR W/ (1) #4 CONT.
2" TEMPORARY ASPHALT PAVING 5' WIDE ALL AROUND MANHOLE SLOPE TO DRAIN
WEIR ELEV 5207.50
16"
207.50 T.O.P. & TOP OF M.H.
18" RCP LATERAL INV ± 5205.17 SEE SHEET 22
4'DIA. PRE–CAST CONC. MAN HOLE SECTIONS
SEE SHT 22 FOR SIZES
SEE SHT 22 FOR INVERTS

TEMPORARY MAN HOLE INLET

NOTE: INSTALL 4 CONCRETE FILLED BOLLARDS @ 6' O.C. AROUND MANHOLE PER COA STD. DWG #2250(STATIONARY POST) NTS

APPROVED FOR ROUGH GRADING (±1 FT.)

Scott Davis 6/29/94
CITY HYDROLOGY DATE

R Y A L S engineering & construction services
4929 Idiewilde S.E. Albuquerque, NM 87108
(505) 265–8267 269–1142 mobile telephone

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: SUNRISE TERRACE UNIT III
EROSION CONTROL AND
OFFSITE GRADING PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIR	B.J. Goolsby	8-29-94	HYDROLOGY	Susan Calongne	8-9-94
WATER WASTE WATER	N/A RWK	8-11-94	PARKS + GENERAL SERV.	Callum K. Ferry	8-23-94
TRANSPORTATION n/a	R Rom	8-12-94			

PROJECT NO. 4910.90	MAP NO. L-8	SHEET 5 OF 27

NO.	DATE	REMARKS	REVISIONS	DESIGN	
					DESIGNED BY: RBR DATE: 6/8/94
					DRAWN BY: THG DATE: 6/8/94
					CHECKED BY: DATE:

ENGINEER'S SEAL

ROBERT RYALS NEW MEXICO 9436 REGISTERED PROFESSIONAL ENGINEER 6-17-94

SURVEY INFORMATION

NO.	BY	DATE	FIELD NOTES

BENCH MARKS

ACS "3–L9" A 40 PENNY NAIL IN POWER POLE #61 LOCATED ON THE WEST SIDE OF 98TH STREET AND 450' SOUTH OF RYNO CT.
ELEV. = 5184.872

AS BUILT INFROMATION

CONTRACTOR	Hydro Systems	
WORK STATED BY	ACS, INC	DATE 5/95
INSPECTOR'S ACCEPTANCE BY	Ryals Eng	DATE 5/95
FIELD VERIFICATION BY	ACS, INC	DATE 5/95
DRAWINGS CORRECTED BY	ACS, INC	DATE 5/95

MICRO–FILM INFORMATION

RECORDED BY DATE

NO. Inspector: Ray Baca

GENERAL NOTES

1. THE CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR IS TO COMPLY WITH EARTHWORK SPECIFICATIONS AS NOTED IN THE SOILS REPORT SUPPLIED BY THE OWNER.
3. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.
4. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE CONSTRUCTION SITE. EROSION CONTROL MEASURES ARE INTENDED TO CONTROL MINOR FLOWS AND PROHIBIT THE RELEASE OF SEDIMENT INTO ADJACENT STREETS AND PROPERTY. TEMPORARY EROSION CONTROL BERMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAIL ON THIS GRADING PLAN AT LOCATIONS SHOWN.
5. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TEMPORARY BERMS THROUGHOUT THE CONSTRUCTION PHASE. THE OWNER WILL MAINTAIN BERMS AFTER COMPLETION AND ACCEPTANCE OF CONSTRUCTION.
6. TEMPORARY EROSION CONTROL BERMS LOCATED ON INDIVIDUAL LOTS SHALL REMAIN IN PLACE UNTIL THE CONSTRUCTION OF EACH RESPECTIVE BUILDING IS COMPLETED ON A LOT BY LOT BASIS.
7. THE TOLERANCES FOR ROUGH GRADING SHALL CONFORM TO THE FOLLOWING:

   PAD SUBGRADE: ± 0.1'
   STREET SUBGRADE: ± 0.1'
   ALL OTHER AREAS: ± 0.3'
8. THERE ARE EXISTING WALLS LOCATED ADJACENT TO THIS PROJECT. ANY WALLS DAMAGED OR REMOVED BY THE CONTRACTOR DURING THE CONSTRUCTION ACTIVITIES SHALL BE REINSTALLED OR REPLACED BY THE CONTRACTOR TO AN EQUAL OR BETTER CONDITION AT NO ADDITIONAL COST TO THE OWNER.
9. EARTH WORK OPERATIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE EARTHWORK SPECIFICATIONS CONTAINED IN THE SOIL AND FOUNDATION INVESTIGATION REPORT PREPARED BY FOX CONSULTING ENGINEERS AND GEOLOGISTS DATED OCTOBER 14TH 1980.
10. FOR ALL RETAINING WALLS GREATER THAN 18", A BUILDING PERMIT MUST BE OBTAINED FROM THE CITY OF ALBUQUERQUE CODE ADMINISTRATION DIVISION.

CONSTRUCTION NOTES

① CONSTRUCT TEMPORARY DRAINAGE RETENTION POND TO GRADES SHOWN. LIMITS OF GRADING MUST BE WITHIN BOUNDARY OF EASEMENT SHOWN.
② CONSTRUCT 50' WIDE EARTH SPILLWAY AT ELEVATION 5253.00
③ CONSTRUCT GRADED EARTH INLET STRUCTURE W/UNIT III CONSTRUCTION.
④ SEE SHEET 5 FOR EMERGENCY SPILLWAY GRADING LIMITS.

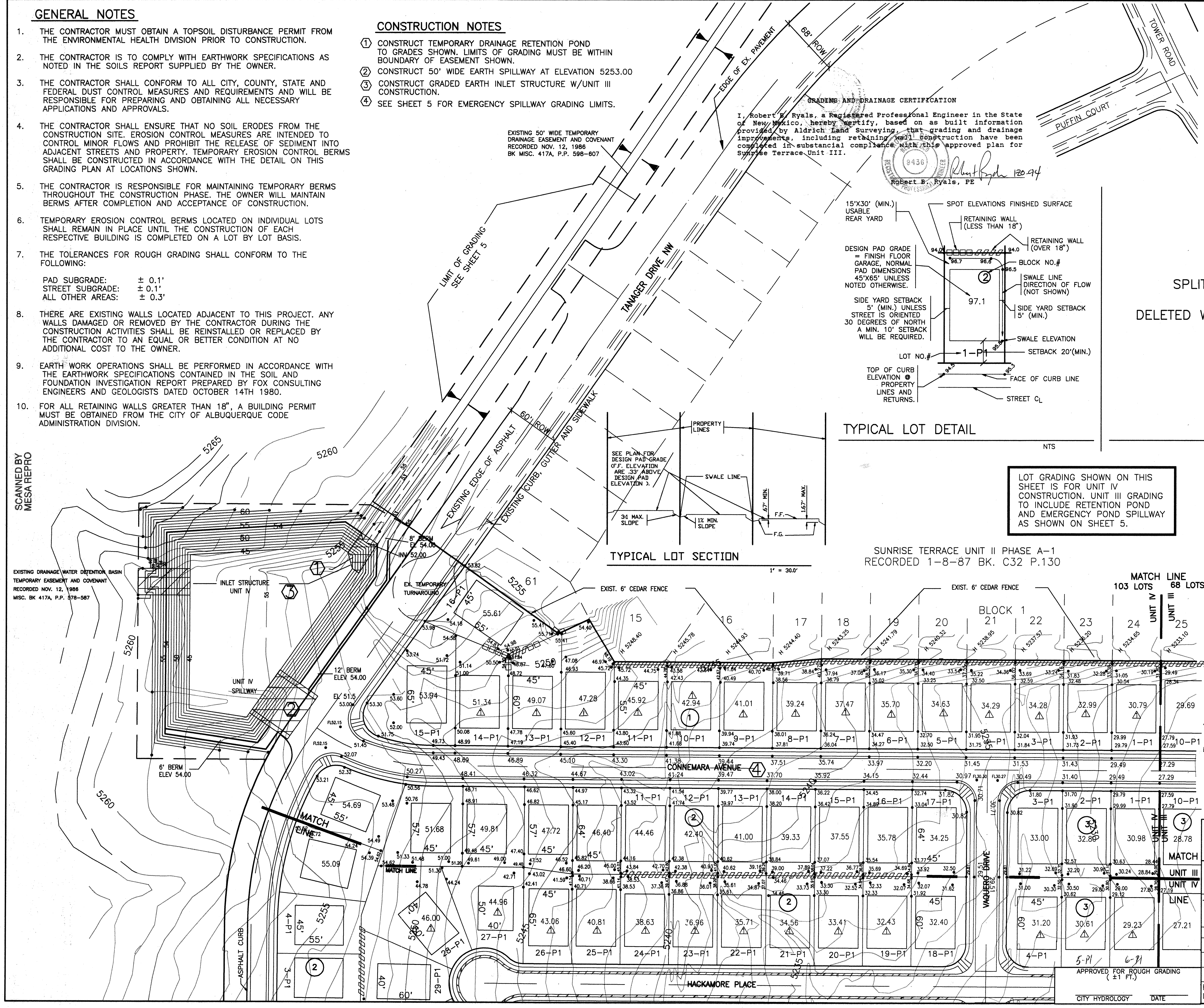
GRADING AND DRAINAGE CERTIFICATION

I, Robert B. Ryals, a Registered Professional Engineer in the State of New Mexico, hereby certify, based on as built information provided by Aldrich Land Surveying, that grading and drainage improvements, including retaining wall construction have been completed in substancial compliance with this approved plan for Sunrise Terrace Unit III.

9436

Robert Ryals 1-20-94

Robert B. Ryals, PE


EXISTING 50' WIDE TEMPORARY DRAINAGE EASEMENT AND COVENANT RECORDED NOV. 12, 1986 BK MISC. 417A, P.P. 598-607
EDGE OF EX. PAVEMENT
68' ROW
TOWER ROAD
PUFFIN COURT
LIMIT OF GRADING SEE SHEET 5
TANAGER DRIVE NW
60' ROW
EXISTING EDGE OF ASPHALT
EXISTING CURB, GUTTER AND SIDEWALK
5265
5260
5255
5250
5245
5240
EXISTING DRAINAGE WATER DETENTION BASIN TEMPORARY EASEMENT AND COVENANT RECORDED NOV. 12, 1986 MISC. BK 417A, P.P. 578-587
INLET STRUCTURE UNIT IV
UNIT IV SPILLWAY
12' BERM ELEV 54.00
6' BERM ELEV 54.00
8' BERM EL 54.00
INV 52.00
EX. TEMPORARY TURNAROUND
EXIST. 6' CEDAR FENCE
SUNRISE TERRACE UNIT II PHASE A-1
RECORDED 1-8-87 BK. C32 P.130
MATCH LINE
103 LOTS
68 LOTS
UNIT IV
UNIT III
BLOCK 1
CONNEMARA AVENUE
VAQUERO DRIVE
HACKAMORE PLACE
ASPHALT CURB
MATCH LINE
UNIT III
UNIT IV
15-P1
14-P1
13-P1
12-P1
11-P1
10-P1
9-P1
8-P1
7-P1
6-P1
5-P1
4-P1
3-P1
2-P1
1-P1
16-P1
17-P1
18-P1
19-P1
20-P1
21-P1
22-P1
23-P1
24-P1
25-P1
26-P1
27-P1
28-P1
29-P1
SPOT ELEVATIONS FINISHED SURFACE
15'X30' (MIN.) USABLE REAR YARD
RETAINING WALL (LESS THAN 18")
RETAINING WALL (OVER 18")
DESIGN PAD GRADE = FINISH FLOOR GARAGE, NORMAL PAD DIMENSIONS 45'X65' UNLESS NOTED OTHERWISE.
BLOCK NO.#
SWALE LINE DIRECTION OF FLOW (NOT SHOWN)
SIDE YARD SETBACK 5' (MIN.) UNLESS STREET IS ORIENTED 30 DEGREES OF NORTH A MIN. 10' SETBACK WILL BE REQUIRED.
SIDE YARD SETBACK 5' (MIN.)
SWALE ELEVATION
SETBACK 20'(MIN.)
LOT NO.#
TOP OF CURB ELEVATION @ PROPERTY LINES AND RETURNS.
FACE OF CURB LINE
STREET CL
TYPICAL LOT DETAIL
NTS
PROPERTY LINES
SEE PLAN FOR DESIGN PAD GRADE (F.F. ELEVATION ARE .33' ABOVE DESIGN PAD ELEVATION).
SWALE LINE
3:1 MAX. SLOPE
1% MIN. SLOPE
.67' MIN.
1.67' MAX.
F.F.
F.G.
TYPICAL LOT SECTION
1' = 30.0'
N
SCALE-1"=50'
0 25 50

LOT GRADING SHOWN ON THIS SHEET IS FOR UNIT IV CONSTRUCTION. UNIT III GRADING TO INCLUDE RETENTION POND AND EMERGENCY POND SPILLWAY AS SHOWN ON SHEET 5.

SPLIT LOT DETAIL

DELETED WITH REVISION NO. 1

NOTES:
1. FLOW FROM REAR YARD OF SPLIT PADS MUST BE MAINTAINED TO FRONT YARD. EITHER A RETAINING WALL WITH WEEP HOLES OR A MAXIMUM SLOPE OF 3:1 SHALL BE PROVIDED AT SIDE YARD GRADE BREAK TO ACCOMPLISH THIS.
2. MAXIMUM COMBINED HEIGHT OF GARDEN WALL PLUS RETAINING WALL MUST NOT EXCEED 8 FEET UNLESS A VARIANCE IS APPROVED THROUGH THE C.O.A. ZONING HEARING EXAMINER.

□□□□□ = A RETAINING WALL 18" OR LESS

▱▱▱▱▱ = A RETAINING WALL 18" OR MORE

MOUNTABLE CURB & GUTTER ▨

APPROVED FOR ROUGH GRADING (±1 FT.)

CITY HYDROLOGY DATE

AS BUILT INFROMATION
CONTRACTOR HYDRO-SYSTEMS
WORK STATED BY ALS, INC. DATE 5/95
INSPECTOR'S ACCEPTANCE BY RBR DATE 1-20-95
FIELD VERIFICATION BY ALS, INC. DATE 5/95
DRAWINGS CORRECTED BY Ryals Eng DATE 1-20-95
MICRO-FILM INFORMATION
RECORDED BY DATE
NO. C.O.A. Inspector Ray Baca

BENCH MARKS
ACS "3-L9" A 40 PENNY NAIL IN POWER POLE #61 LOCATED ON THE WEST SIDE OF 98TH STREET AND 450' SOUTH OF RYNO CT.
ELEV. = 5184.872

SURVEY INFORMATION		
FIELD NOTES		
NO.	BY	DATE

ENGINEER'S SEAL
Rev 11-15-94

NO.	DATE	REMARKS	BY
1	11/15/94	Blk 2, Lots 19-28; Blk 3 - Lots 4-6 Lot Grading; Blk 1 - Lots 1-14	

REVISIONS

DESIGN
DESIGNED BY: RBR DATE: 6/8/94
DRAWN BY: PAUL DEAL DATE: 6/8/94
CHECKED BY: DATE:

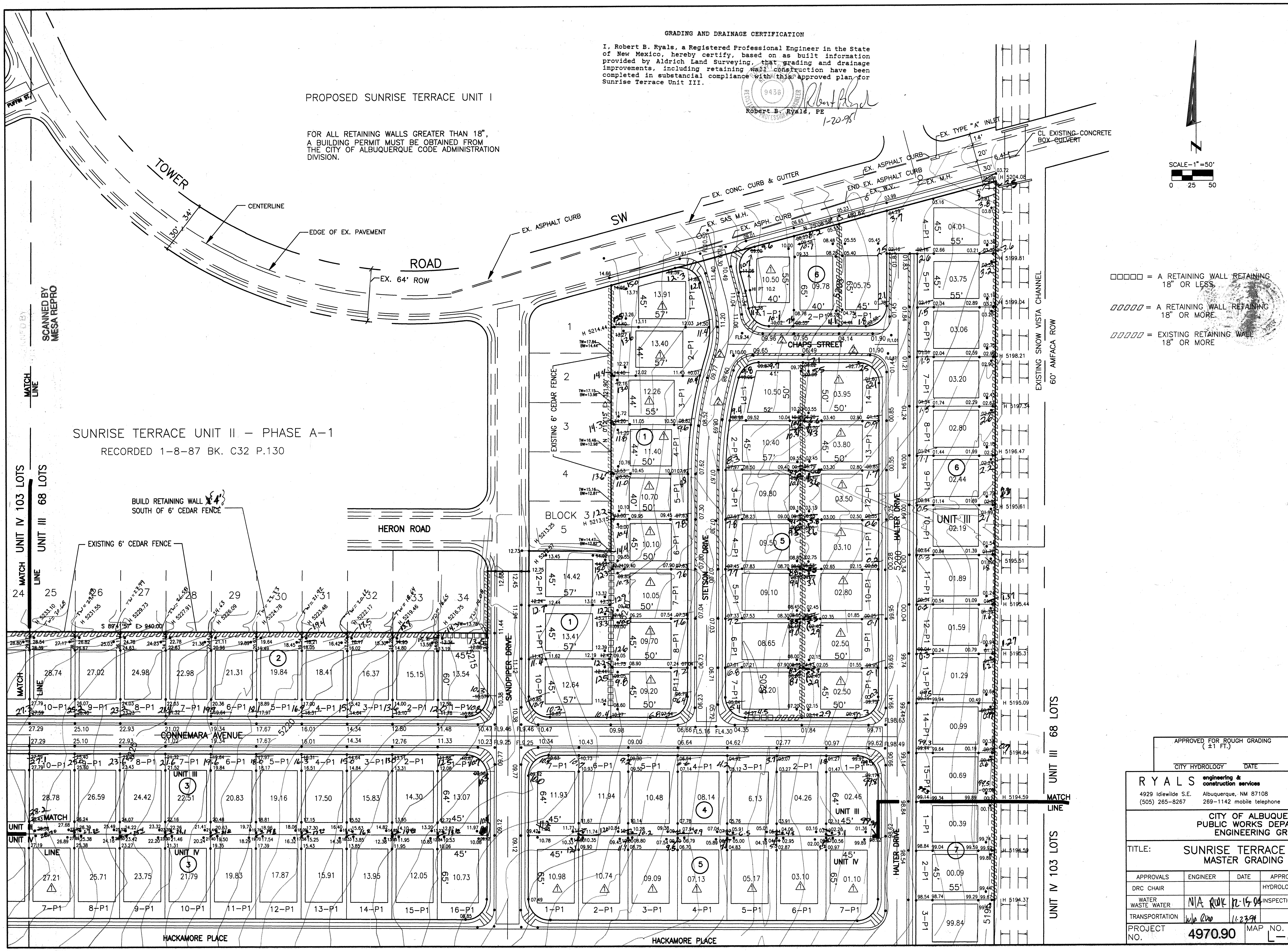
R Y A L S engineering & construction services
4929 Idlewilde S.E.
(505) 265-8267
Albuquerque, NM 87108
269-1142 mobile telephone

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: SUNRISE TERRACE UNIT III
MASTER GRADING PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIR			HYDROLOGY	Susan Calongne	12-23-94
WATER WASTE WATER	N/A RWK	12-15-94	INSPECTION		
TRANSPORTATION	N/A RHD	11-23-94			

PROJECT NO. 4970.90
MAP NO. L-8
SHEET 6 OF 27



GRADING AND DRAINAGE CERTIFICATION

I, Robert B. Ryals, a Registered Professional Engineer in the State of New Mexico, hereby certify, based on as built information provided by Aldrich Land Surveying, that grading and drainage improvements, including retaining wall construction have been completed in substancial compliance with this approved plan for Sunrise Terrace Unit III.

9436

Robert B. Ryals

Robert B. Ryals, PE

1-20-95

FOR ALL RETAINING WALLS GREATER THAN 18", A BUILDING PERMIT MUST BE OBTAINED FROM THE CITY OF ALBUQUERQUE CODE ADMINISTRATION DIVISION.

▭▭▭▭▭ = A RETAINING WALL RETAINING 18" OR LESS.

▱▱▱▱▱ = A RETAINING WALL RETAINING 18" OR MORE.

▱▱▱▱▱ = EXISTING RETAINING WALL 18" OR MORE

APPROVED FOR ROUGH GRADING
(±1 FT.)

CITY HYDROLOGY DATE

R Y A L S engineering & construction services
4929 Idiewilde S.E.
(505) 265-8267
Albuquerque, NM 87108
269-1142 mobile telephone

NO.	DATE	REMARKS	BY
△1		LOT GRADING UNIT III,BLK1,LOTS1-9;BLK5,LOTS8-14 BLK6,LOT1; UNIT IV,BLK3,LOT7;BLK5,LOTS1-7	
△2		STANDARD TO MOUNTABLE CURB & GUTTER	

REVISIONS

DESIGN

DESIGNED BY: RBR DATE: 6/8/94
DRAWN BY: PAUL DEAL DATE: 6/8/94
CHECKED BY: DATE:

ENGINEER'S SEAL

9436

Robert Ryals
Rev 11-15-94

SURVEY INFORMATION

FIELD NOTES		
NO.	BY	DATE

BENCH MARKS

ACS "3-L9" A 40 PENNY NAIL IN POWER POLE #61 LOCATED ON THE WEST SIDE OF 98TH STREET AND 450' SOUTH OF RYNO CT.
ELEV. = 5184.872

AS BUILT INFROMATION

CONTRACTOR	Hydro systems		
WORK STAKED BY	ALS, INC	DATE	5/95
INSPECTOR'S ACCEPTANCE BY	RBR	DATE	1-20-95
FIELD VERIFICATION BY	ALS, INC.	DATE	5/95
DRAWINGS CORRECTED BY	Ryals Eng	DATE	1-20-95

MICRO-FILM INFORMATION

RECORDED BY DATE

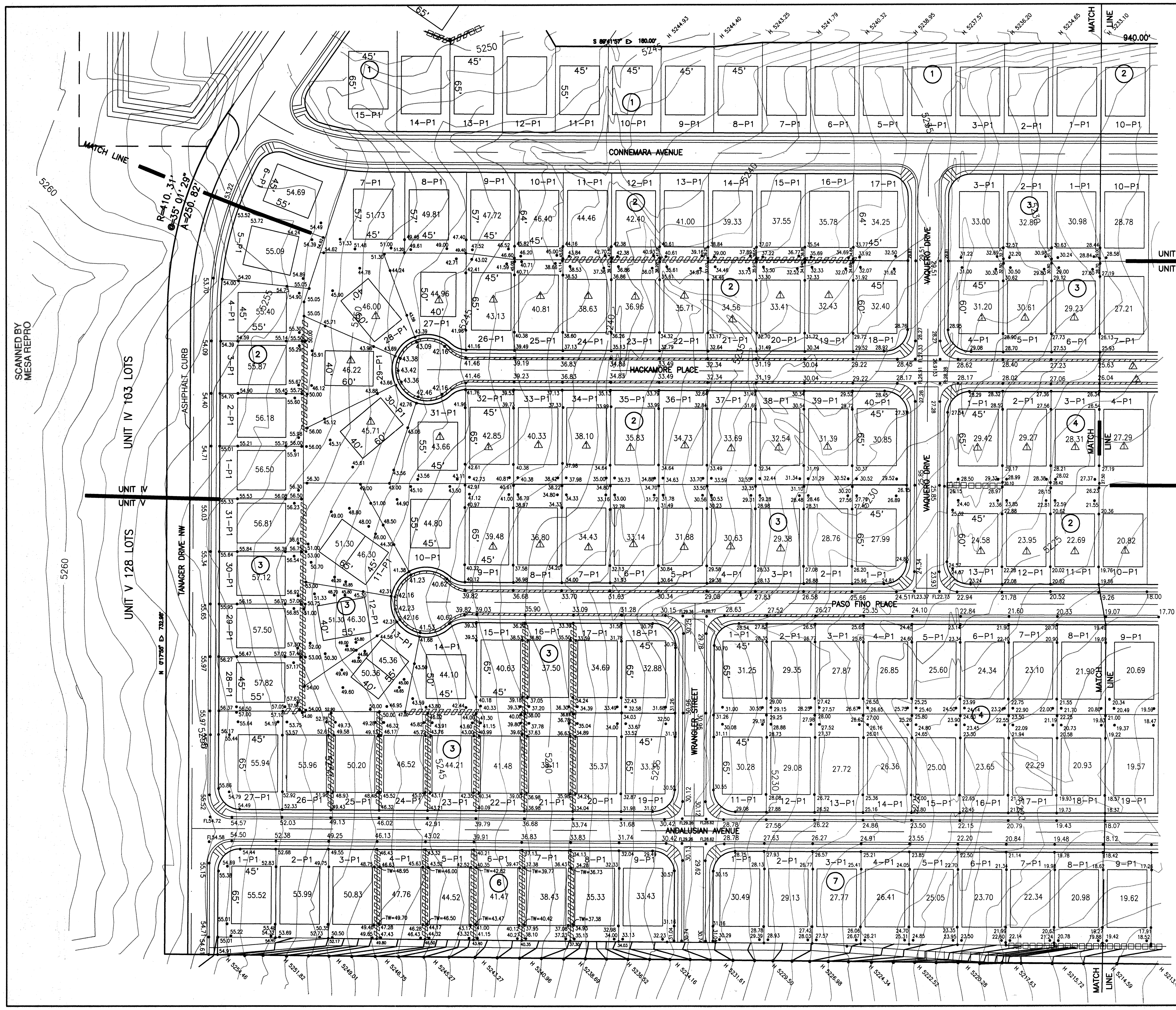
NO. C.O.A. Inspector Ray Baca

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: SUNRISE TERRACE UNIT III
MASTER GRADING PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIR			HYDROLOGY	Susan Calongne	12-23-94
WATER WASTE WATER	N/A RWK	12-15-94	INSPECTION		
TRANSPORTATION	N/A RWD	11-23-94			

PROJECT NO. 4970.90 MAP NO. L-8 SHEET 7 OF 27



SCALE–1"=50'

0 25 50

□□□□□ = A RETAINING WALL 18" OR LESS

▨▨▨▨▨ = A RETAINING WALL 18" OR MORE

GRADING AND DRAINAGE CERTIFICATION

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Robert B. Ryals, PE
1-20-95

AS BUILT INFROMATION		
CONTRACTOR	HYDRO-SYSTEMS	5/95
WORK STATED BY	ALS, INC.	DATE 1-20-95
INSPECTOR'S ACCEPTANCE BY	RBR	DATE 1-20-95
FIELD VERIFICATION BY	ALS, INC.	DATE 5/95
DRAWINGS CORRECTED BY	Ryals Eng	DATE 1-20-95

MICRO-FILM INFORMATION

RECORDED BY DATE

NO. Inspector: Ray Baca

BENCH MARKS

ACS "3–L9" A 40 PENNY NAIL IN POWER POLE
#61 LOCATED ON THE WEST SIDE OF 98TH
STREET AND 450' SOUTH OF RYNO CT .
ELEV. = 5184.872

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

ROBERT RYALS
NEW MEXICO
9436
REGISTERED PROFESSIONAL ENGINEER

Robert Ryals
Rev 12-15-94

NO.	DATE	REMARKS	BY
△		STANDARD TO MOUNTABLE CURB & GUTTER	
△		LOT GRADES, UNIT IV,BLK1,LOTS 1–15;BLK2, LOTS19–39;BLK3,LOTS4–6;BLK4,LOTS1–3 UNITV,BLK2,LOTS11–13;BLK3,LOTS2–11	

REVISIONS

DESIGN

DESIGNED BY: RBR DATE: 6/8/94
DRAWN BY: PAUL DEAL DATE: 6/8/94
CHECKED BY: DATE:

APPROVED FOR ROUGH GRADING
(±1 FT.)

CITY HYDROLOGY DATE

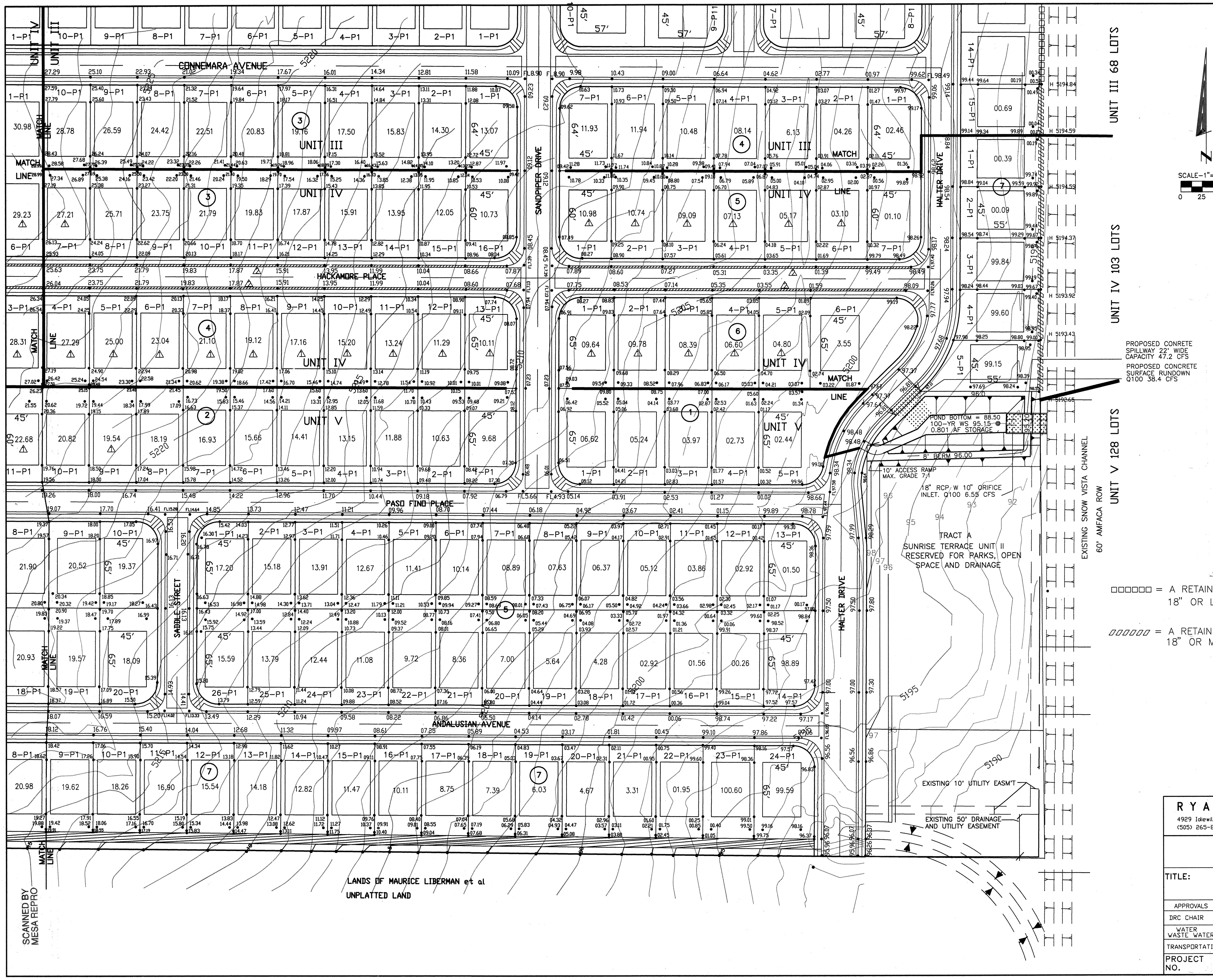
R Y A L S engineering & construction services
4929 Idiewilde S.E. Albuquerque, NM 87108
(505) 265–8267 269–1142 mobile telephone

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: SUNRISE TERRACE UNIT III
MASTER GRADING PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIR			HYDROLOGY	Susan Calongne	12-23-94
WATER WASTE WATER	N/A RWK	12-15-94	INSPECTION		
TRANSPORTATION	N/A RHD	11-24-94			

PROJECT NO. 4970.90 MAP NO. L–8 SHEET 8 OF 27


UNIT IV
UNIT III
CONNEMARA AVENUE
HACKAMORE PLACE
PASO FINO PLACE
ANDALUSIAN AVENUE
SANDPIPER DRIVE
SADDLE STREET
HALTER DRIVE
MATCH LINE
UNIT III 68 LOTS
UNIT IV 103 LOTS
UNIT V 128 LOTS
UNIT V
SCALE-1"=50'
0 25 50
N
PROPOSED CONRETE SPILLWAY 22' WIDE CAPACITY 47.2 CFS
PROPOSED CONCRETE SURFACE RUNDOWN Q100 38.4 CFS
POND BOTTOM = 88.50
100-YR WS 95.15 @ 0.801 AF STORAGE
8' BERM 96.00
10' ACCESS RAMP MAX. GRADE 7:1
18" RCP W/ 10" ORIFICE INLET. Q100 6.55 CFS
TRACT A SUNRISE TERRACE UNIT II RESERVED FOR PARKS, OPEN SPACE AND DRAINAGE
EXISTING SNOW VISTA CHANNEL
60' AMFACA ROW
EXISTING 10' UTILITY EASM'T
EXISTING 50' DRAINAGE AND UTILITY EASEMENT
LANDS OF MAURICE LIBERMAN et al
UNPLATTED LAND
H 5194.84
H 5194.59
H 5194.55
H 5194.37
H 5193.92
H 5193.43
5192.65
5220
5210
5200
5195
5190

▢▢▢▢▢▢ = A RETAINING WALL RETAINING 18" OR LESS.

▨▨▨▨▨▨ = A RETAINING WALL RETAINING 18" OR MORE.

GRADING AND DRAINAGE CERTIFICATION

I, Robert B. Ryals, a Registered Professional Engineer in the State of New Mexico, hereby certify, based on as built information provided by Aldrich Land Surveying, that grading and drainage improvements, including retaining wall construction have been completed in substancial compliance with this approved plan for Sunrise Terrace Unit III.

Robert B. Ryals, PE 1-20-95

9436

ENGINEER'S SEAL	SURVEY INFORMATION			BENCH MARKS
ROBERT RYALS NEW MEXICO 9436 REGISTERED PROFESSIONAL ENGINEER RW 11-15-94	FIELD NOTES			ACS "3-L9" A 40 PENNY NAIL IN POWER POLE #61 LOCATED ON THE WEST SIDE OF 98TH STREET AND 450' SOUTH OF RYNO CT. ELEV. = 5184.872
	NO.	BY	DATE	

AS BUILT INFROMATION			
CONTRACTOR	HYDRO-SYSTEMS		
WORK STATED BY	ALS, INC.	DATE	5/95
INSPECTOR'S ACCEPTANCE BY	RBR	DATE	1-20-95
FIELD VERIFICATION BY	ALS, INC.	DATE	5/95
DRAWINGS CORRECTED BY	Ryals Eng	DATE	1-28-95
MICRO-FILM INFORMATION			
RECORDED BY		DATE	
NO.			

NO.	DATE	REMARKS	BY
△	11/15/94	STANDARD TO MOUNTABLE CURB & GUTTER	
△	11/15/94	LOT GRADING UNIT IV,BLK3,LOT7;BLK4,UNIT4-13 BLK5,LOTS1-6;BLK6,LOTS1-5; UNIT V,BLK2,LOTS9&11	

REVISIONS

DESIGN

DESIGNED BY: DATE:
DRAWN BY: DATE:
CHECKED BY: DATE:

R Y A L S engineering & construction services
4929 Idlewilde S.E. Albuquerque, NM 87108
(505) 265-8267 269-1142 mobile telephone

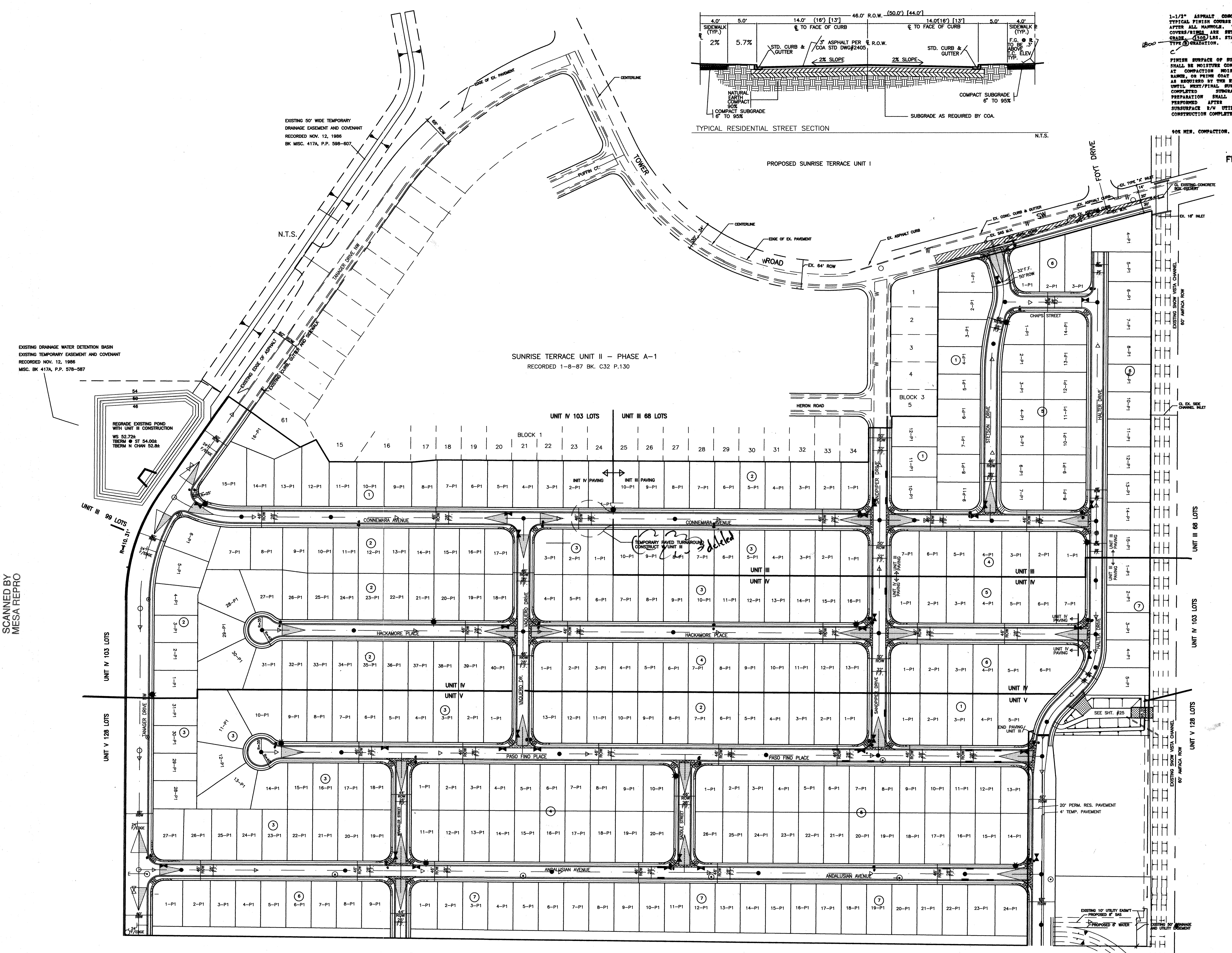
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

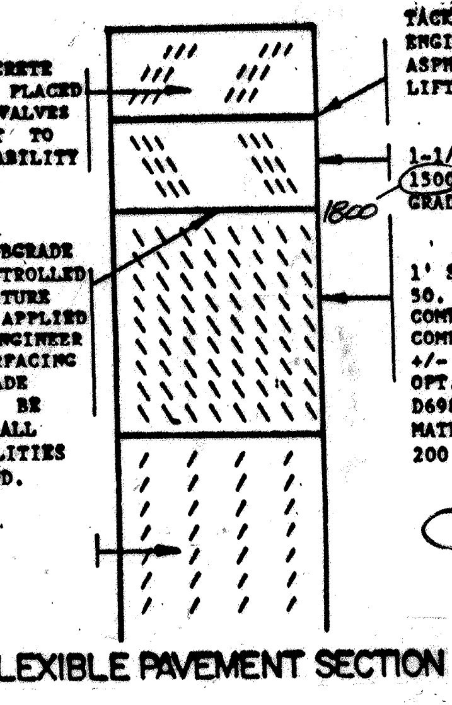
TITLE: SUNRISE TERRACE UNIT III
MASTER GRADING PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIR			HYDROLOGY	Susan Calongne	12-23-94
WATER WASTE WATER	N/A RWK	12-15-94	INSPECTION		
TRANSPORTATION	N/A RHV	11-23-94			

PROJECT NO. 4970.90 MAP NO. L-8 SHEET 9 OF 27

SCANNED BY MESA REPRO


TYPICAL RESIDENTIAL STREET SECTION
N.T.S.
46.0' R.O.W. (50.0') [44.0']
4.0' SIDEWALK (TYP.)
5.0'
14.0' (16') [13'] ℄ TO FACE OF CURB
2%
5.7%
STD. CURB & GUTTER
3" ASPHALT PER COA STD DWG#2405
℄ R.O.W.
2% SLOPE
F.G. @ ℞ TO BE .3' ABOVE T.C. ELEV. TYP.
NATURAL EARTH COMPACT 90%
COMPACT SUBGRADE 6" TO 95%
SUBGRADE AS REQUIRED BY COA.
PROPOSED SUNRISE TERRACE UNIT I
SUNRISE TERRACE UNIT II – PHASE A-1
RECORDED 1-8-87 BK. C32 P.130
EXISTING 50' WIDE TEMPORARY DRAINAGE EASEMENT AND COVENANT RECORDED NOV. 12, 1986 BK MISC. 417A, P.P. 598–607
EXISTING DRAINAGE WATER DETENTION BASIN EXISTING TEMPORARY EASEMENT AND COVENANT RECORDED NOV. 12, 1986 MISC. BK 417A, P.P. 578–587
REGRADE EXISTING POND WITH UNIT III CONSTRUCTION
WS 52.72±
TBERM @ ST 54.00±
TBERM N CHAN 52.8±
N.T.S.
TANAGER DRIVE NW
EXISTING EDGE OF ASPHALT
EXISTING CURB, GUTTER AND SIDEWALK
60' ROW
EDGE OF EX. PAVEMENT
CENTERLINE
PUFFIN CT.
TOWER ROAD
EX. 64' ROW
FOYT DRIVE
EX. TYPE "A" INLET
CL EXISTING CONCRETE BOX CULVERT
EX. 18" INLET
EX. ASPHALT CURB
EX. CONC. CURB & GUTTER
EX. SAS M.H.
EXISTING SNOW VISTA CHANNEL 60' AMFACA ROW
CL EX. SIDE CHANNEL INLET
SCALE–1"=100'
0 25 50 100
N
HERON ROAD
BLOCK 1
BLOCK 3
UNIT IV 103 LOTS
UNIT III 68 LOTS
UNIT III 99 LOTS
UNIT V 128 LOTS
CONNEMARA AVENUE
HACKAMORE PLACE
PASO FINO PLACE
ANDALUSIAN AVENUE
VAQUERO DRIVE
SANDPIPER DRIVE
STETSON DRIVE
HALTER DRIVE
CHAPS STREET
SADDLE STREET
TANAGER DRIVE
INIT IV PAVING
INIT III PAVING
UNIT III
UNIT IV
UNIT V
UNIT III PAVING
UNIT IV PAVING
TEMPORARY PAVED TURNAROUND CONSTRUCT W/UNIT III
deleted
END PAVING/UNIT III
SEE SHT. #25
20' PERM. RES. PAVEMENT
4" TEMP. PAVEMENT
EXISTING 10' UTILITY EASM'T
PROPOSED 8" SAS
PROPOSED 8" WATER
EXISTING 50' DRAINAGE AND UTILITY EASEMENT
R=25'
R=110.31'
24' F/EDGE
46' ROW
28' F.F.
50' ROW
32' F.F.
① ② ③ ④ ⑤ ⑥ ⑦



1-1/2" ASPHALT CONCRETE TYPICAL FINISH COURSE PLACED AFTER ALL MANHOLE. VALVES COVERS/RINGS ARE SET TO GRADE. 1500 LBS. STABILITY TYPE B GRADATION. 1800 C

TACK COAT AS REQUIRED BY THE ENGINEER BETWEEN ALL ASPHALT/AGGREGATE MATERIAL LIFTS.

1-1/2" ASPHALT CONCRETE, 1500 LBS. STABILITY, TYPE A GRADATION. 1800 B

FINISH SURFACE OF SUBGRADE SHALL BE MOISTURE CONTROLLED AT COMPACTION MOISTURE RANGE, OR PRIME COAT APPLIED AS REQUIRED BY THE ENGINEER UNTIL NEXT/FINAL SURFACING COMPLETED SUBGRADE PREPARATION SHALL BE PERFORMED AFTER ALL SUBSURFACE R/W UTILITIES CONSTRUCTION COMPLETED.

1' SUBGRADE SOIL. R-VALUE > 50. PLACED IN 2-6" COMPACTED LIFTS. 95% MIN. COMPACTION, AT OPT. MOISTURE +/- 2.0%, ASTM D1557, OR OPT. MOISTURE, TO +4%, ASTM D698 FOR SOIL W/35% OR MORE MATERIAL PASSING THE NO. 200 SIEVE.

As Constructed

90% MIN. COMPACTION.

FLEXIBLE PAVEMENT SECTION

AS BUILT INFROMATION

CONTRACTOR	HYDRO-SYSTEMS	
WORK STATED BY	ALS INC.	DATE 5/95
INSPECTOR'S ACCEPTANCE BY	Bas Eng	DATE 5/95
FIELD VERIFICATION BY	ALS INC.	DATE 5/95
DRAWINGS CORRECTED BY	ALS INC.	DATE 5/95

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

CITY OF ALBUQUERQUE SURVEY MONUMENT
"7-L9". LOCATED 200' SOUTH OF
TOWER ON WEST ROW OF 98TH STREET.
ELEV. = 5175.70

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

ROBERT RYALS
NEW MEXICO
9436
REGISTERED PROFESSIONAL ENGINEER

Robert B Ryals
6-17-94

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

DESIGNED BY: RBR DATE: 6/8/94
DRAWN BY: PAUL DEAL DATE: 6/8/94
CHECKED BY: DATE:

LEGEND

DESCRIPTION	EXISTING	PROPOSED
WATER VALVE	⧖	⧗
STORM DRAIN INLET	▬	▬
STREET LIGHT	○-∘	●-∘
STORM DRAIN MANHOLE	⊙	○
MANHOLE	○	●
EXISTING CURB AND GUTTER		═ ═ ═
EXISTING HEADER CURB		─ ─ ─
NEW CURB AND GUTTER		═
NEW HEADER CURB		─
REMOVE EXISTING, TEMPORARY ASPHALT		▨
TRANSITION OF ASPHALT		▶
VALLEY GUTTER		╤
WHEELCHAIR RAMP		↱

RYALS engineering & construction services
4929 Idlewilde S.E. Albuquerque, NM 87108
(505) 265-8267 269-1142 mobile telephone

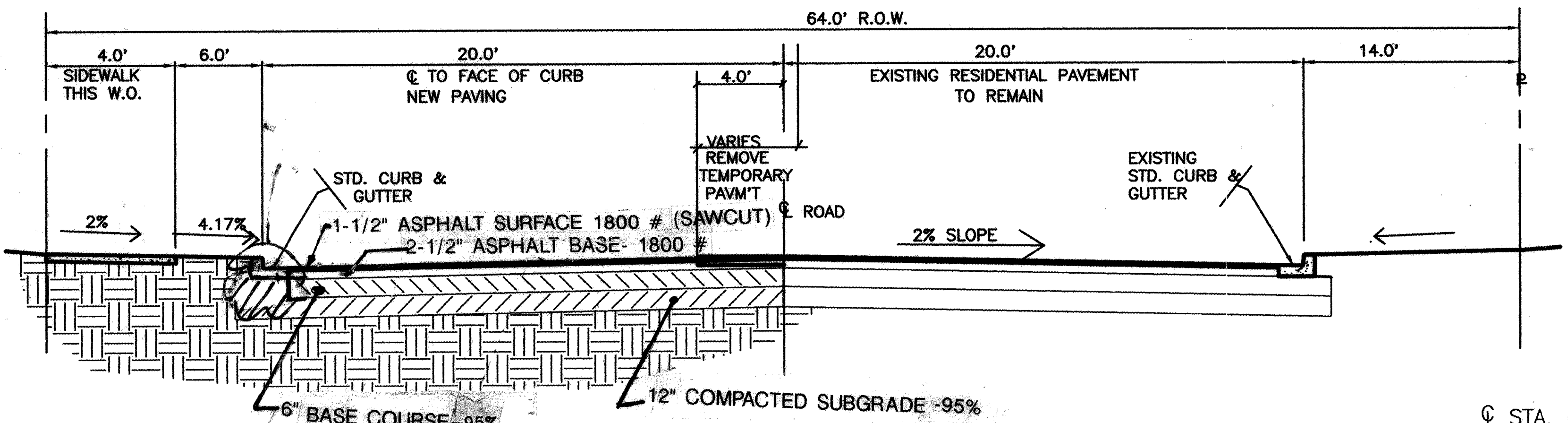
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: SUNRISE TERRACE UNIT III
COMPOSITE PAVING PLAN

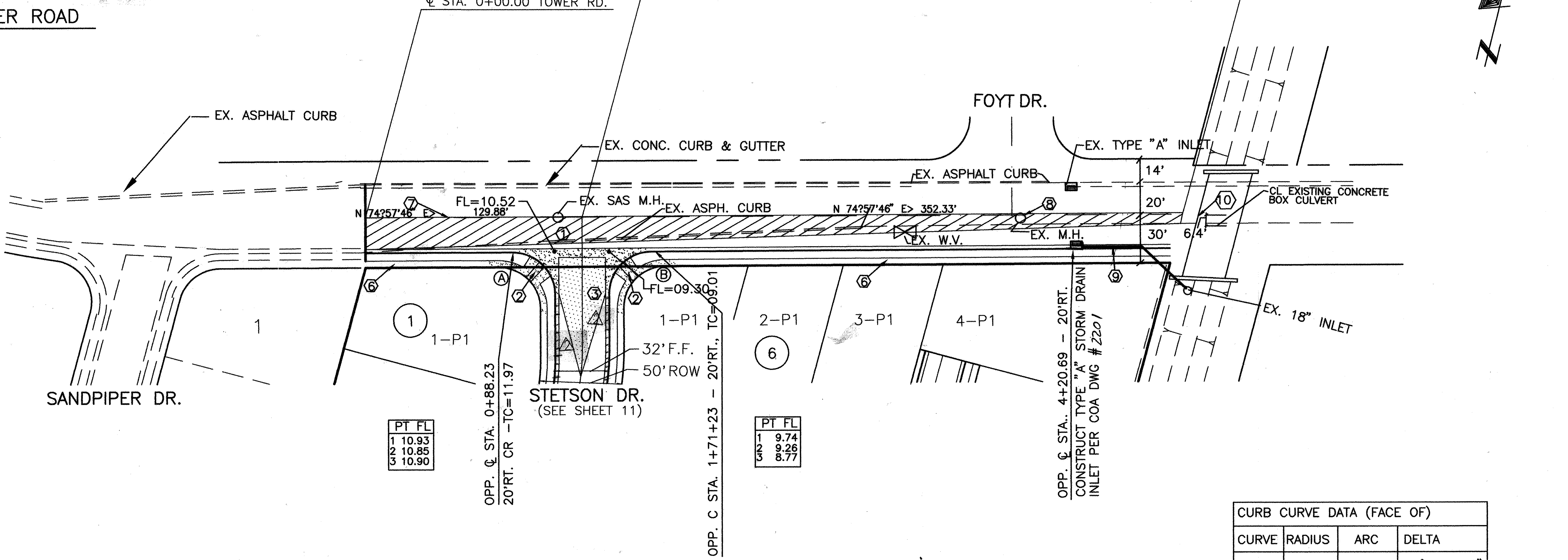
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIR	B.J. Goolsby	8-29/94	HYDROLOGY	Susan Calongne	8-9-94
WATER WASTE WATER	N/A RWK	8-11-94	PARKS + GENERAL SERV.	Callen K. Fay	8-23-94
TRANSPORTATION	R. Dourte	8-12-94			

PROJECT NO.	MAP NO.	SHEET	OF
4970.90	L-8	10	27

SCANNED BY MESA REPRO


64.0' R.O.W.
4.0'
SIDEWALK THIS W.O.
6.0'
20.0'
℄ TO FACE OF CURB NEW PAVING
4.0'
20.0'
EXISTING RESIDENTIAL PAVEMENT TO REMAIN
14.0'
VARIES REMOVE TEMPORARY PAVM'T
STD. CURB & GUTTER
EXISTING STD. CURB & GUTTER
2%
4.17%
1-1/2" ASPHALT SURFACE 1800 # (SAWCUT)
2-1/2" ASPHALT BASE- 1800 #
℄ ROAD
2% SLOPE
6" BASE COURSE-95%
12" COMPACTED SUBGRADE -95%

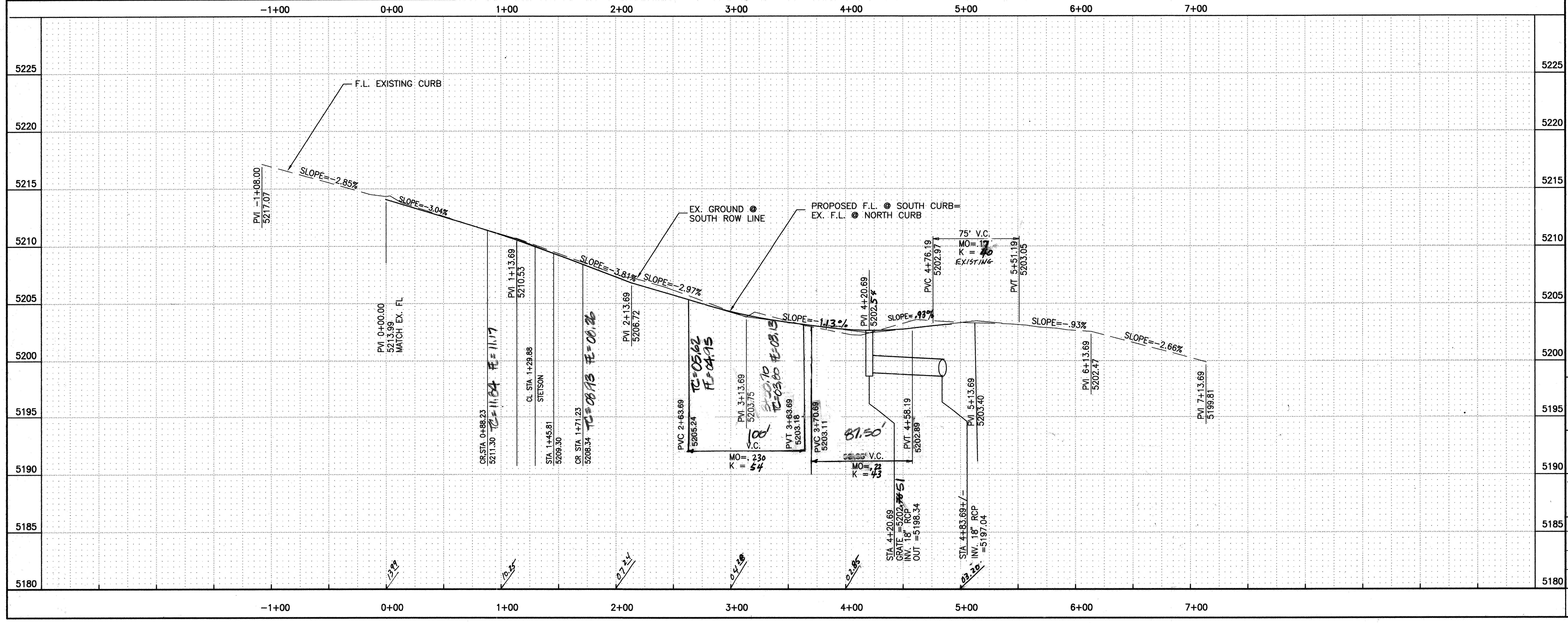
TOWER ROAD



CURB CURVE DATA (FACE OF)			
CURVE	RADIUS	ARC	DELTA
A	25.50	40.14'	90°–11'–12"
B	25.50	39.97'	89°–48'–48"

TOWER ROAD SW

SCALES:
HORIZ. 1"=50'
VERT. 1"=5'



SCANNED BY
MESA REPRO

CONSTRUCTION NOTES

① CONC. VALLEY GUTTER PER C.O.A. DWG. 2420. (UNLESS OTHERWISE SHOWN.)

② CONSTRUCT WHEELCHAIR RAMP PER C.O.A. STD DWG #2441.

③ 50' TRANSITION PER C.O.A. DWG. 2401.

④ 4' WIDE CONC. S.W. BY OTHERS

⑤ CONSTRUCT STANDARD CURB & GUTTER PER C.O.A. DWG #2415.

⑥ CONSTRUCT 4'WIDE CONC. SIDEWALK THIS WORK ORDER.

⑦ SAW CUT EXISTING PAVEMENT ALONG CENTERLINE OF TOWER RD. REMOVE EXISTING ASHPALT CURB AND TEMP. PAVEMENT SOUTH OF C.L. CONSTRUCT STD CURB & GUTTER 20' SOUTH OF C.L. TO MATCH EX. NORTH CURB ELEVATIONS.

⑧ RAISE OR LOWER EX. MANHOLE AND VALVE BOX RIMS AS REQ'D TO MATCH TOP OF PAVEMENT.

⑨ CONSTRUCT 70 L.F. 18" RCP AND CONNECT TO EX. 18" STUBOUT. FIELD VERIFY EXACT LOCATION OF EX. STUB AND COORDINATE ALIGNMENT & GRADE WITH ENGINEER PRIOR TO INSTALL.

⑩ APPROX. STA 4+92 END PAVING. MATCH W/EDGE OF EXISTING CONC. BOX CULVERT.

LEGEND

NEW CURB AND GUTTER	═
EXISTING CURB AND GUTTER	═ ═ ═ ═
REMOVE EXISTING TEMPORARY ASPHALT	▨
TRANSITION OF ASPHALT	▶
VALLEY GUTTER	╤
WHEELCHAIR RAMP	◢
STORM DRAIN INLET	▤▤
MOUNTABLE CURB & GUTTER	▥

AS BUILT INFROMATION

CONTRACTOR HYDRO SYSTEMS
WORK STATED BY ALS, INC. DATE 5/95
INSPECTOR'S ACCEPTANCE BY Ryals Eng DATE 5/95
FIELD VERIFICATION BY ALS, INC. DATE 5/95
DRAWINGS CORRECTED BY ALS, INC. DATE 5/95

MICRO-FILM INFORMATION

RECORDED BY DATE
NO.

BENCH MARKS

CITY OF ALBUQUERQUE SURVEY MONUMENT
"7-L9" . LOCATED 200' SOUTH OF
TOWER ON WEST ROW OF 98TH STREET.
ELEV. = 5175.70

SURVEY INFORMATION

FIELD NOTES		
NO.	BY	DATE

ENGINEER'S SEAL

ROBERT RYALS
9436
Robert Ryals
6-17-94

NO.	DATE	REMARKS	BY
2	11/15/94	STANDARD TO MOUNTABLE CURB & GUTTER	

REVISIONS

DESIGN

DESIGNED BY: RBR DATE: 6-8-94
DRAWN BY: PAUL DEAL DATE: 6-8-94
CHECKED BY: DATE:

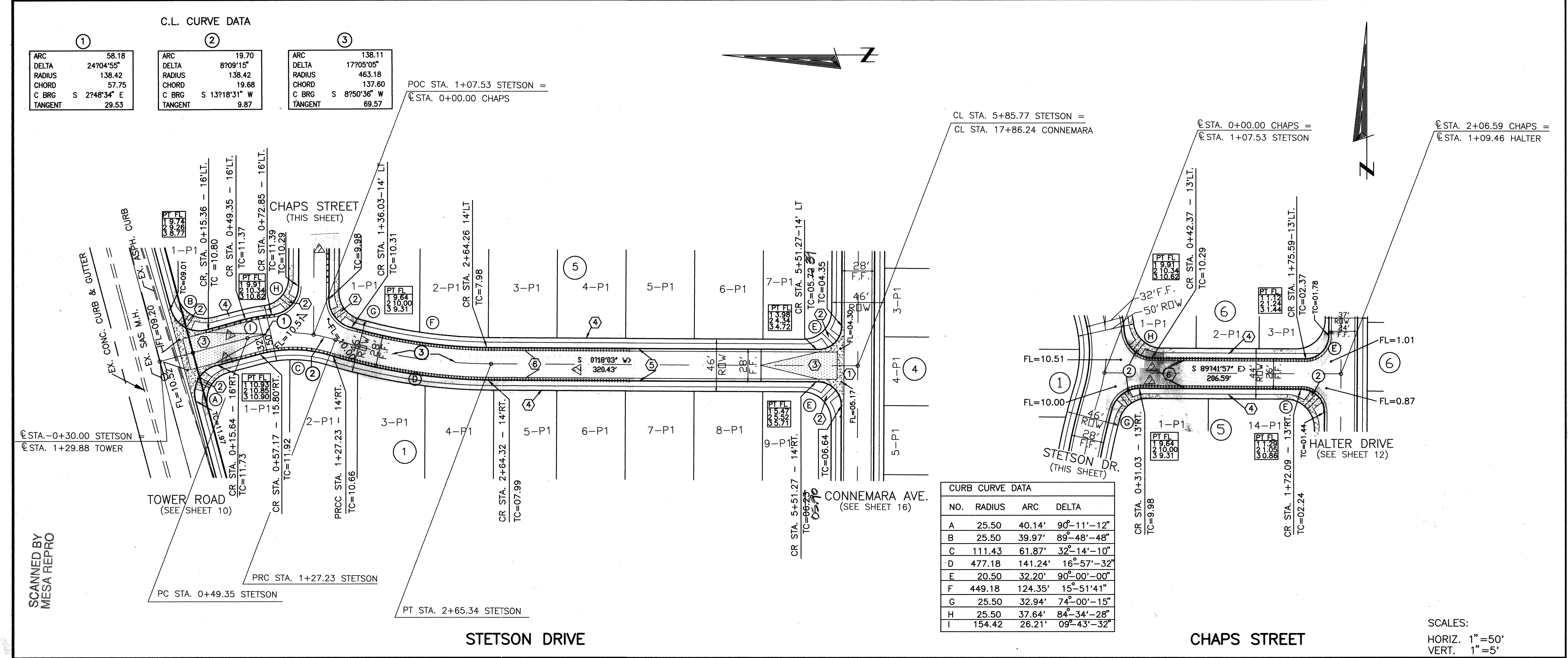
R Y A L S engineering & construction services
4929 Idiewilde S.E.
(505) 265-8267
Albuquerque, NM 87108
269-1142 mobile telephone

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:
SUNRISE TERRACE UNIT III
PAVING PLAN AND PROFILE
TOWER

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIR	B.J. Goolsby	8-29-94	HYDROLOGY	Susan Calongne	8-9-94
WATER WASTE WATER	VA RWK	8-11-94	PARKS + GENERAL SERV.	Callen K. Fry	8-23-94
TRANSPORTATION	R. Dourte	8-12-94			

PROJECT NO. 4970.90
MAP NO. L-8
SHEET 11 OF 27



STETSON DRIVE

CHAPS STREET

C.L. CURVE DATA

①

ARC	58.18
DELTA	24?04'55"
RADIUS	138.42
CHORD	57.75
C BRG	S 2?48'34" E
TANGENT	29.53

②

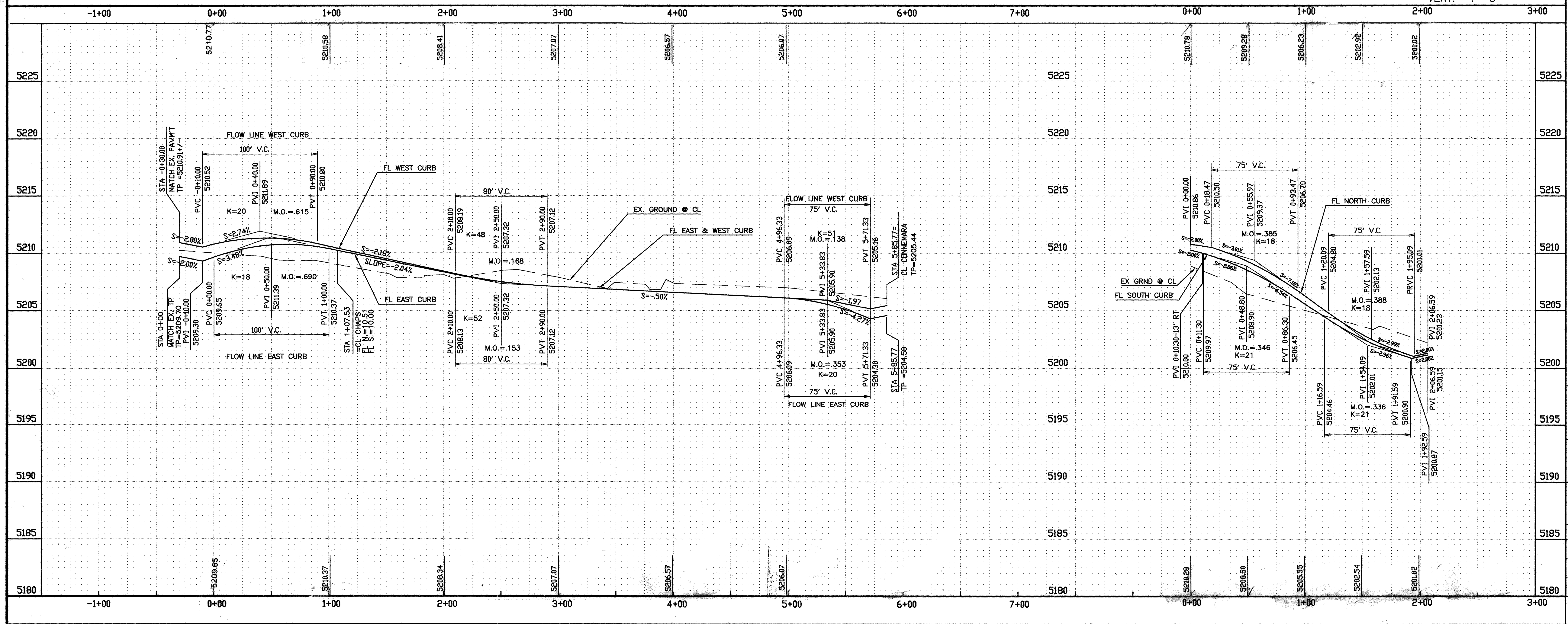
ARC	19.70
DELTA	8?09'15"
RADIUS	138.42
CHORD	19.68
C BRG	S 13?18'31" W
TANGENT	9.87

③

ARC	138.11
DELTA	17?05'05"
RADIUS	463.18
CHORD	137.60
C BRG	S 8?50'36" W
TANGENT	69.57

CURB CURVE DATA

NO.	RADIUS	ARC	DELTA
A	25.50	40.14'	90°-11'-12"
B	25.50	39.97'	89°-48'-48"
C	111.43	61.87'	32°-14'-10"
D	477.18	141.24'	16°-57'-32"
E	20.50	32.20'	90°-00'-00"
F	449.18	124.35'	15°-51'41"
G	25.50	32.94'	74°-00'-15"
H	25.50	37.64'	84°-34'-28"
I	154.42	26.21'	09°-43'-32"



CONSTRUCTION NOTES

1. CONC. VALLEY GUTTER PER C.O.A. DWG. 2420. (UNLESS OTHERWISE SHOWN.)
2. CONSTRUCT WHEELCHAIR RAMP PER C.O.A. STD DWG #2441.
3. 50' TRANSITION PER C.O.A. DWG. 2401.
4. 4' WIDE CONC. S.W. BY OTHERS
5. CONSTRUCT STANDARD CURB & GUTTER PER C.O.A. DWG #2415.
6. CONSTRUCT MOUNTABLE CURB & GUTTER PER C.O.A. DWG #2415.

LEGEND

NEW CURB AND GUTTER	═══
EXISTING CURB AND GUTTER	═ ═ ═ ═
REMOVE EXISTING TEMPORARY ASPHALT	▨
TRANSITION OF ASPHALT	▷
VALLEY GUTTER	
WHEELCHAIR RAMP	
MOUNTABLE CURB & GUTTER	┷┷┷┷

R Y A L S engineering & construction services
4929 Idlewilde S.E. Albuquerque, NM 87108
(505) 265-8267 269-1142 mobile telephone

ENGINEER'S SEAL

ROBERT RYALS 9436
Robert B Ryal 6-17-94

SURVEY INFORMATION

FIELD NOTES		
NO.	BY	DATE

BENCH MARKS

CITY OF ALBUQUERQUE SURVEY MONUMENT
"7-L9" . LOCATED 200' SOUTH OF
TOWER ON WEST ROW OF 98TH STREET.
ELEV. = 5175.70

AS BUILT INFROMATION

CONTRACTOR	HYDRO-SYSTEMS		
WORK STATED BY	ALS, INC.	DATE	5/95
INSPECTOR'S ACCEPTANCE BY	Ryals Eng	DATE	5/95
FIELD VERIFICATION BY	ALS, INC.	DATE	5/95
DRAWINGS CORRECTED BY	ALS, INC.	DATE	5/95

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

NO.	DATE	REMARKS	BY
△	11/15/94	STANDARD TO MOUNTABLE CURB & GUTTER	

REVISIONS

DESIGN

DESIGNED BY: RBR DATE: 6-8-94
DRAWN BY: PAUL DEAL DATE: 6-8-94
CHECKED BY: DATE:

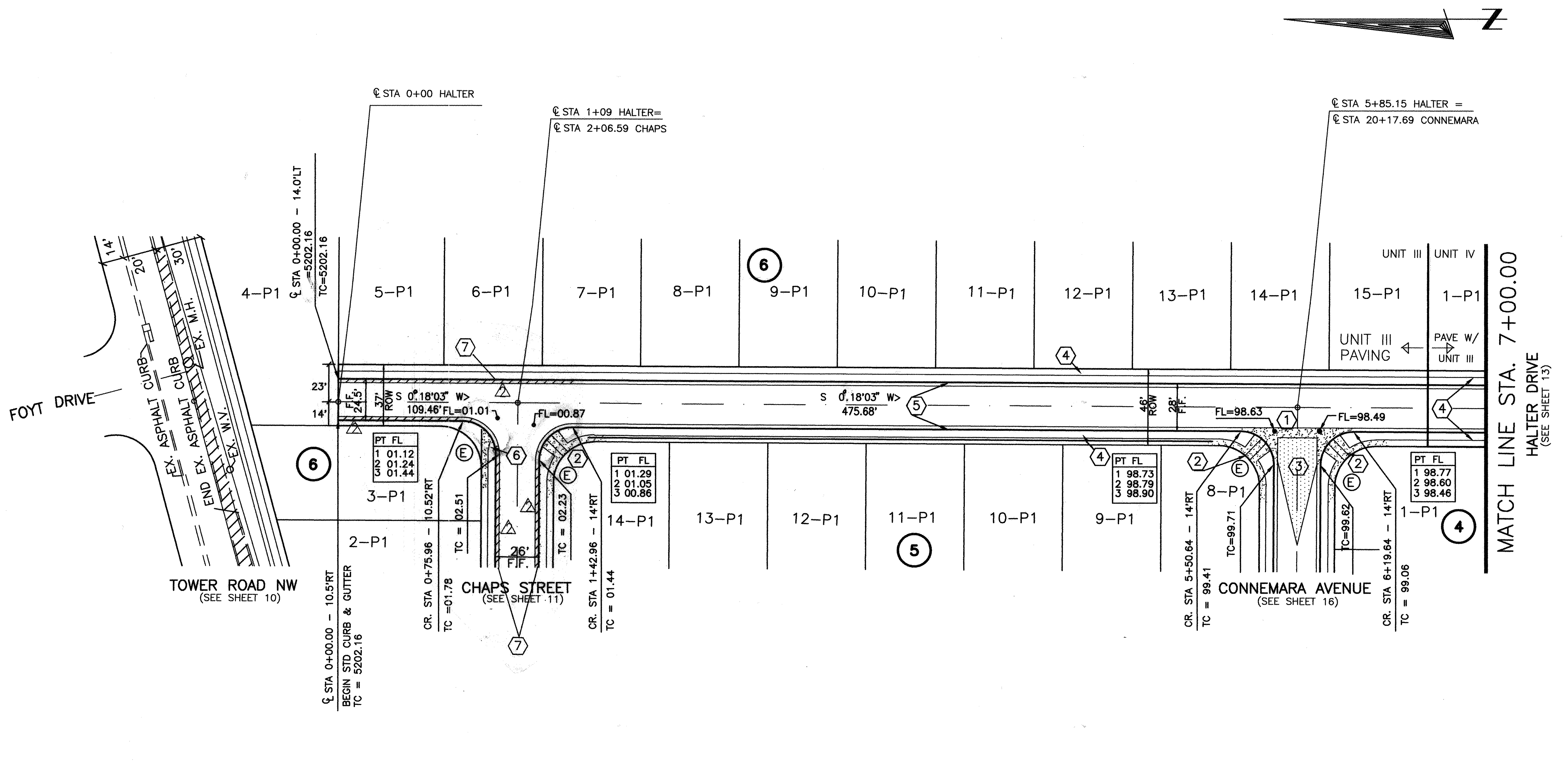
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: SUNRISE TERRACE UNIT III
PAVING PLAN AND PROFILE
STETSON DRIVE & CHAPS STREET

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIR	S.J. Goolsby	8-29-94	HYDROLOGY	N/A SMC	8-9-94
WATER WASTE WATER	N/A RWK	8-11-94	PARKS + GENERAL SERV.	Cullen K. Fmy	8-23-94
TRANSPORTATION	R Dourte	8-12-94			

PROJECT NO. 4970.90 MAP NO. L-8 SHEET 12 OF 27

SCANNED BY MESA REPRO



CURB CURVE DATA

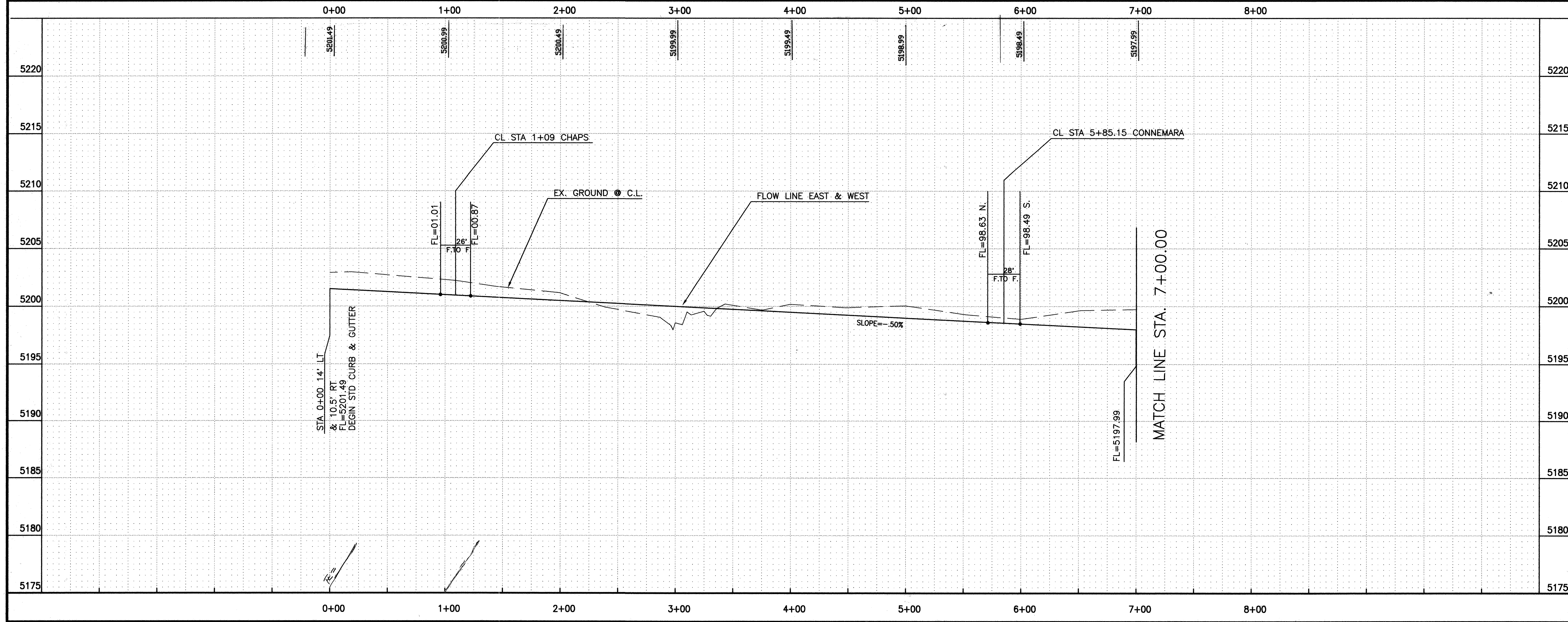
NO.	RADIUS	ARC	DELTA
E	20.50	32.20	90 00'00"

CONSTRUCTION NOTES

1. CONC. VALLEY GUTTER PER C.O.A. DWG. 2420. (UNLESS OTHERWISE SHOWN.)
2. CONSTRUCT WHEELCHAIR RAMP PER C.O.A. STD DWG #2441.
3. 50' TRANSITION PER C.O.A. DWG. 2401.
4. 4' WIDE CONC. S.W. BY OTHERS
5. CONSTRUCT STANDARD CURB & GUTTER PER C.O.A. DWG #2415.
6. CONSTRUCT WHEEL CHAIR RAMP PER C.O.A. DWG #2426.
7. CONSTRUCT MOUNTABLE CURB & GUTTER PER C.O.A. DWG #2415.

HALTER DRIVE

SCALES:
HORIZ. 1"=50'
VERT. 1"=5'



LEGEND

- NEW CURB AND GUTTER ═══
- EXISTING CURB AND GUTTER ═ ═ ═
- REMOVE EXISTING TEMPORARY ASPHALT ▨
- TRANSITION OF ASPHALT ◁
- VALLEY GUTTER
- SIDEWALK AND WHEEL-CHAIR RAMP PAVING
- MOUNTABLE CURB & GUTTER ▨

ENGINEER'S SEAL

ROBERT RYALS 9436
Robert Ryals
6-17-94

SURVEY INFORMATION

FIELD NOTES		
NO.	BY	DATE

BENCH MARKS

CITY OF ALBUQUERQUE SURVEY MONUMENT
"7–L9". LOCATED 200' SOUTH OF
TOWER ON WEST ROW OF 98TH STREET
ELEV. = 5175.70

AS BUILT INFROMATION

CONTRACTOR	HYDRO-SYSTEMS	5/95
WORK STATED BY	ALS, INC.	5/95
INSPECTOR'S ACCEPTANCE BY	Ryals Eng	5/95
FIELD VERIFICATION BY	ALS, INC.	5/95
DRAWINGS CORRECTED BY	ALS, INC.	5/95

MICRO-FILM INFORMATION

RECORDED BY
NO.

REVISIONS

NO.	DATE	REMARKS	BY
△	11/15/94	STANDARD TO MOUNTABLE CURB & GUTTER	

DESIGN
DESIGNED BY: RBR DATE: 6-8-94
DRAWN BY: PAUL DEAL DATE: 6-8-94
CHECKED BY: DATE:

R Y A L S engineering & construction services
4929 Idiewilde S.E. Albuquerque, NM 87108
(505) 265–8267 269–1142 mobile telephone

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:
SUNRISE TERRACE UNIT III
PAVING PLAN AND PROFILE
HALTER DRIVE
(STA. 0+00.00 – STA. 7+00.00)

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIR	S.G. Goolsby	8-29-94	HYDROLOGY	N/A SMC	8-9-94
WATER WASTE WATER	N/A RWK	8-11-94	PARKS & GENERAL SERV.	Callen K. Fry	8-23-94
TRANSPORTATION	R Dante	8-12-94			

PROJECT NO. 4970.90 MAP NO. L–8 SHEET 13 OF 27

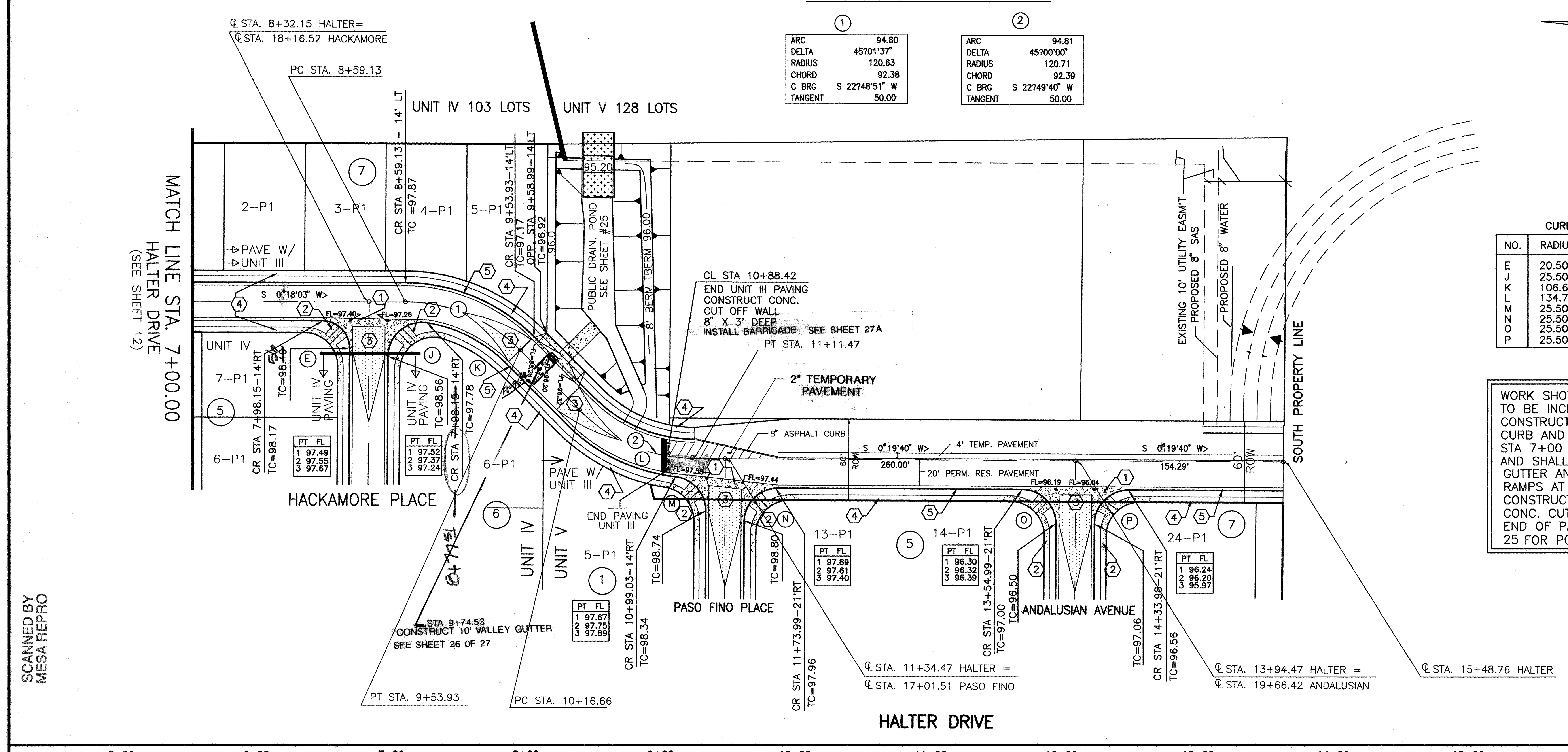
CL CURVE DATA

①

ARC	94.80
DELTA	45?01'37"
RADIUS	120.63
CHORD	92.38
C BRG	S 22?48'51" W
TANGENT	50.00

②

ARC	94.81
DELTA	45?00'00"
RADIUS	120.71
CHORD	92.39
C BRG	S 22?49'40" W
TANGENT	50.00



N

SCALES:
HORIZ. 1"=50'
VERT. 1"=5'

CURB CURVE DATA

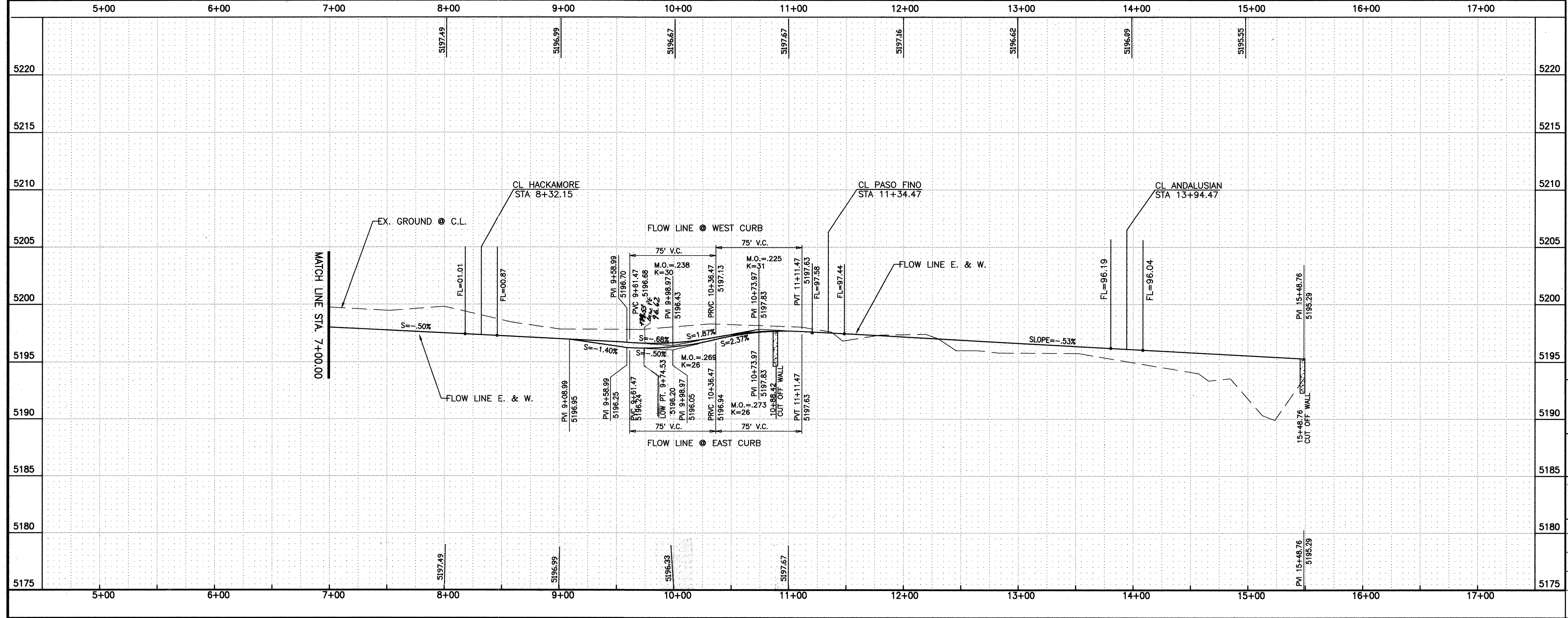
NO.	RADIUS	ARC	DELTA
E	20.50	32.20	90° 00'00"
J	25.50	44.00	98° 52'23"
K	106.63	67.28	36° 09'09"
L	134.71	91.92	39° 05'43"
M	25.50	37.42	84° 04'06"
N	25.50	40.07	90° 01'37"
O	25.50	40.04	89° 58'23"
P	25.50	40.06	90° 00'08"

WORK SHOWN ON THIS SHEET TO BE INCLUDED WITH UNIT III CONSTRUCTION SHALL BE PAVING CURB AND GUTTER BETWEEN STA 7+00 AND STA 10+88.42 AND SHALL INCLUDE VALLEY GUTTER AND WHEEL CHAIR RAMPS AT HACKAMORE. CONSTRUCT 8" X 3' CONC. CUT OFF WALLS AT END OF PAVING. SEE SHEET 25 FOR POND DETAILS.

CONSTRUCTION NOTES

1. CONC. VALLEY GUTTER PER C.O.A. DWG. 2420. (UNLESS OTHERWISE SHOWN.)
2. CONSTRUCT WHEELCHAIR RAMP PER C.O.A. STD DWG #2441.
3. 50' TRANSITION PER C.O.A. DWG. 2401.
4. 4' WIDE CONC. S.W. BY OTHERS
5. CONSTRUCT STANDARD CURB & GUTTER PER C.O.A. DWG #2415.

SCANNED BY
MESA REPRO



AS BUILT INFROMATION

CONTRACTOR	HYDRO-SYSTEMS		
WORK STATED BY	ALS, INC.	DATE	5/95
INSPECTOR'S ACCEPTANCE BY	Ryals Eng	DATE	5/95
FIELD VERIFICATION BY	ALS, INC.	DATE	5/95
DRAWINGS CORRECTED BY	ALS, INC.	DATE	5/95

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

CITY OF ALBUQUERQUE SURVEY MONUMENT
"7-L9". LOCATED 200' SOUTH OF TOWER RD.
ON WEST ROW OF 98TH STREET
ELEV. = 5175.70

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

ROBERT RYALS
NEW MEXICO
9436
REGISTERED PROFESSIONAL ENGINEER
Robert B. Ryals
6-17-94

LEGEND

NEW CURB AND GUTTER	═
EXISTING CURB AND GUTTER	═ ═ ═ ═
REMOVE EXISTING TEMPORARY ASPHALT	▨
TRANSITION OF ASPHALT	▷
VALLEY GUTTER	▽
SIDEWALK AND WHEEL-CHAIR RAMP PAVING	⌒
STORM DRAIN INLET	▭▭

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

DESIGNED BY:RBR	DATE: 6/8/94
DRAWN BY:DH	DATE: 6/8/94
CHECKED BY:	DATE:

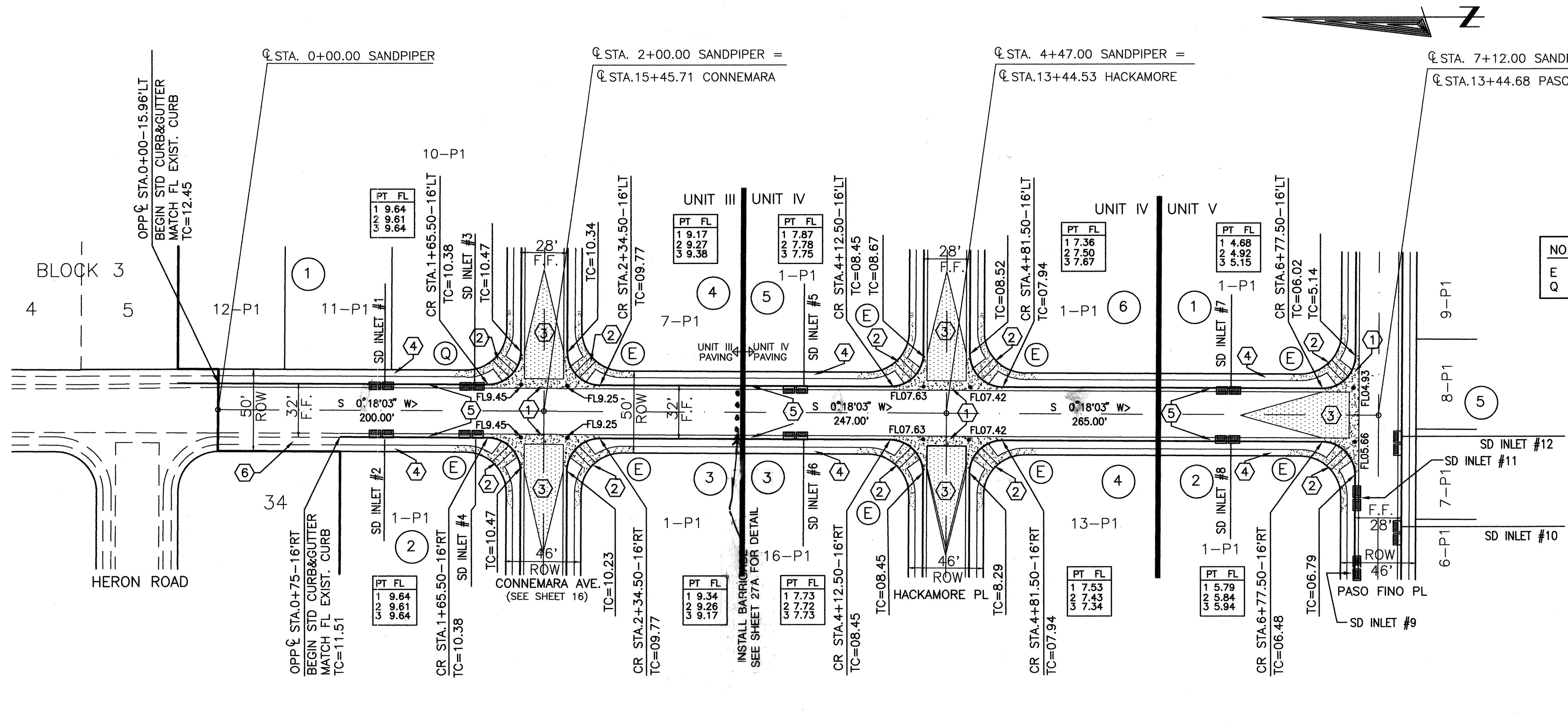
R Y A L S engineering & construction services
4929 Idiewilde S.E. Albuquerque, NM 87108
(505) 265–8267 269–1142 mobile telephone

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: SUNRISE TERRACE UNIT III
PAVING PLAN AND PROFILE
HALTER DRIVE
(STA. 7+00.00 – STA. 15+48.76)

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIR	B.J. Goolsby	8-29-94	HYDROLOGY	Susan Calongne	8-9-94
WATER WASTE WATER	MA RWF	8-11-94	PARKS + GENERAL SERV.	Callen K. Fong	8-23-94
TRANSPORTATION	R Doerk	8-12-94			

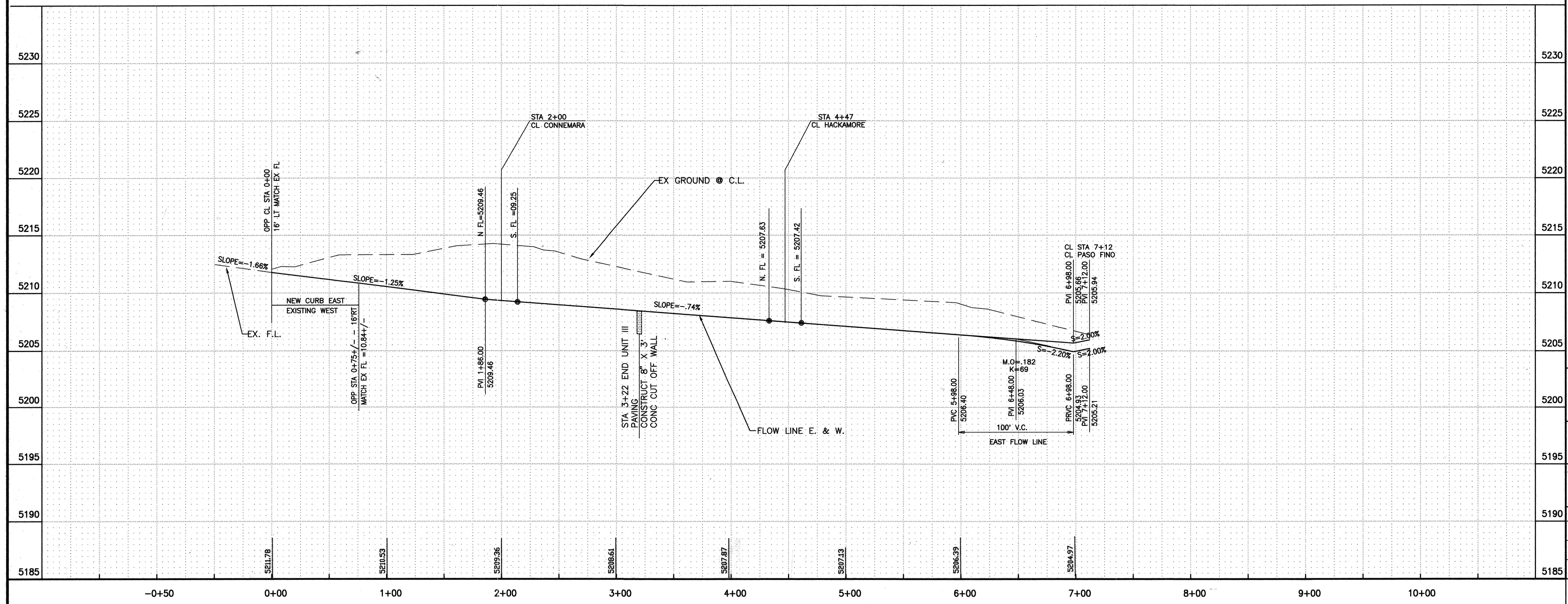
PROJECT NO.	MAP NO.	SHEET	OF
4970.90	L-8	14	27



CURB CURVE DATA			
NO.	RADIUS	ARC	DELTA
E	20.50	32.20	90°00'00"
Q	20.50	32.20	89°59'58"

SANDPIPER DRIVE

SCALES:
HORIZ. 1"=50'
VERT. 1"=5'



SCANNED BY
MESA REPRO

CONSTRUCTION NOTES

1. CONC. VALLEY GUTTER PER C.O.A. DWG. 2420. (UNLESS OTHERWISE SHOWN.)
2. CONSTRUCT WHEELCHAIR RAMP PER C.O.A. STD DWG #2441.
3. 50' TRANSITION PER C.O.A. DWG. 2401.
4. 4' WIDE CONC. S.W. BY OTHERS
5. CONSTRUCT STANDARD CURB & GUTTER PER C.O.A. DWG #2415.
6. EXISTING CURB & GUTTER & S-WALK. NO ASPHALT.

LEGEND

NEW CURB AND GUTTER	═
EXISTING CURB AND GUTTER	═ ═ ═
REMOVE EXISTING TEMPORARY ASPHALT	▨
TRANSITION OF ASPHALT	◁
GUTTER	
SIDEWALK AND WHEEL-CHAIR RAMP PAVING	
STORM DRAIN INLET	▭▭

AS BUILT INFROMATION

CONTRACTOR	HYDRO-SYSTEMS		5/95
WORK STATED BY	ALS, INC.	DATE	5/95
INSPECTOR'S ACCEPTANCE BY	Ryals Eng	DATE	5/95
FIELD VERIFICATION BY	ALS, INC.	DATE	5/95
DRAWINGS CORRECTED BY	ALS, INC.	DATE	5/95

MICRO-FILM INFORMATION

RECORDED BY DATE
NO.

BENCH MARKS
CITY OF ALBUQUERQUE SURVEY MONUMENT
"7-L9". LOCATED 200' SOUTH OF
TOWER ON WEST ROW OF 98TH STREET.
ELEV. = 5175.70

SURVEY INFORMATION

FIELD NOTES		
NO.	BY	DATE

ENGINEER'S SEAL
ROBERT RYALS
9436

NO.	DATE	REMARKS	BY

REVISIONS
DESIGN
DESIGNED BY: BOB RYALS DATE: 06/08/94
DRAWN BY: PAUL DEAL DATE: 06/08/94
CHECKED BY: DATE:

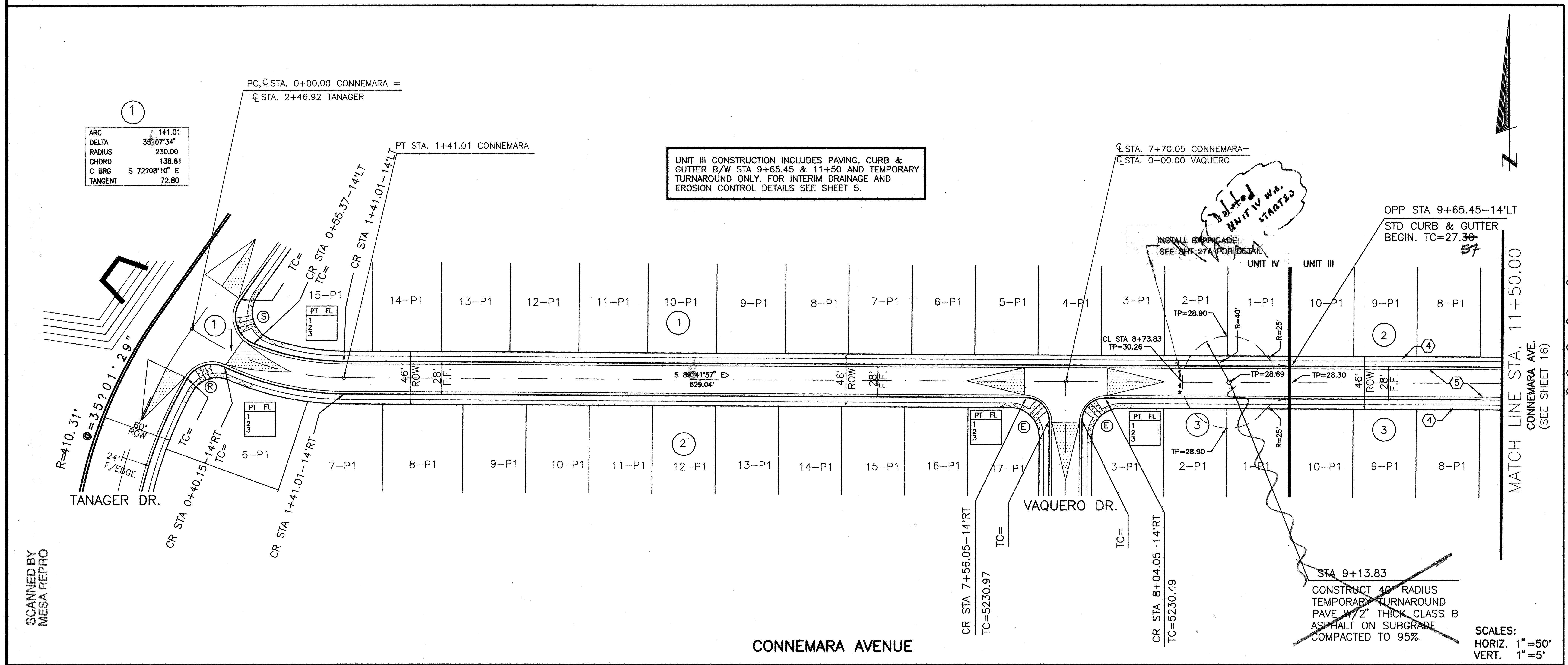
R Y A L S engineering & construction services
4929 Idiewilde S.E. Albuquerque, NM 87108
(505) 265–8267 269–1142 mobile telephone

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: SUNRISE TERRACE UNIT III
PAVING PLAN AND PROFILE
SANDPIPER DRIVE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIR	B.J. Goolsby	8-29-94	HYDROLOGY	Susan Calongne	8-9-94
WATER WASTE WATER	N/A RWK	8-11-94	PARKS + GENERAL SERV.	Cullen K. Fung	8-23-94
TRANSPORTATION	R Dourte	8-12-94			

PROJECT NO. 4970.90
MAP NO. L-8
SHEET 15 OF 27



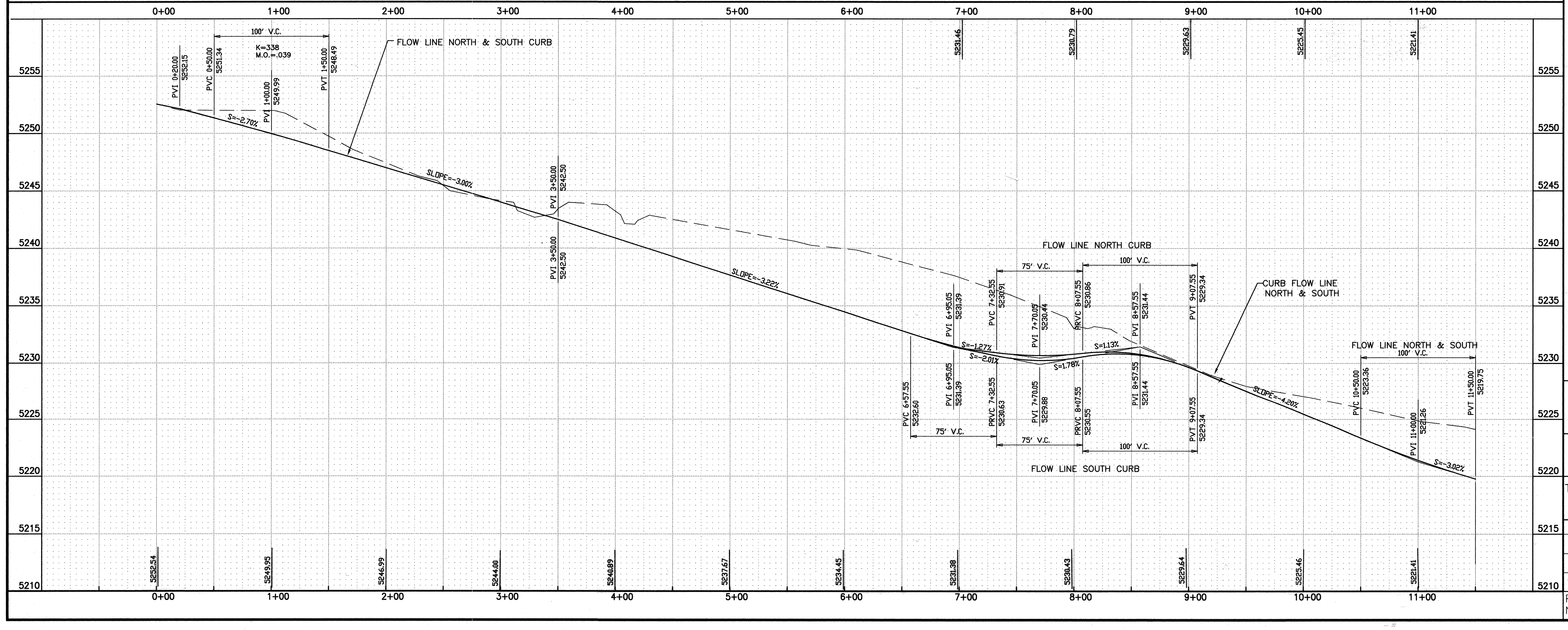
①

ARC	141.01
DELTA	35°07'34"
RADIUS	230.00
CHORD	138.81
C BRG	S 72°08'10" E
TANGENT	72.80

UNIT III CONSTRUCTION INCLUDES PAVING, CURB & GUTTER B/W STA 9+65.45 & 11+50 AND TEMPORARY TURNAROUND ONLY. FOR INTERIM DRAINAGE AND EROSION CONTROL DETAILS SEE SHEET 5.

CONNEMARA AVENUE

SCALES:
HORIZ. 1"=50'
VERT. 1"=5'



SCANNED BY MESA REPRO

CONSTRUCTION NOTES

1. CONC. VALLEY GUTTER PER C.O.A. DWG. 2420. (UNLESS OTHERWISE SHOWN.)
2. CONSTRUCT WHEELCHAIR RAMP PER C.O.A. STD DWG #2441.
3. 50' TRANSITION PER C.O.A. DWG. 2401.
4. 4' WIDE CONC. S.W. BY OTHERS
5. CONSTRUCT STANDARD CURB & GUTTER PER C.O.A. DWG #2415.

LEGEND

NEW CURB AND GUTTER	═══
EXISTING CURB AND GUTTER	═ ═ ═ ═
REMOVE EXISTING TEMPORARY ASPHALT	▨
TRANSITION OF ASPHALT	▶
VALLEY GUTTER	╤
WHEELCHAIR RAMP	╮

AS BUILT INFROMATION

CONTRACTOR	HYDRO-SYSTEMS		
WORK STATED BY	ALS INC.	DATE	5/95
INSPECTOR'S ACCEPTANCE BY	Ryals Eng	DATE	5/95
FIELD VERIFICATION BY	ALS INC.	DATE	5/95
DRAWINGS CORRECTED BY	ALS INC.	DATE	5/95

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

CITY OF ALBUQUERQUE SURVEY MONUMENT "7–L9". LOCATED 200' SOUTH OF TOWER ON WEST ROW OF 98TH STREET.
ELEV. = 5175.70

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

ROBERT RYALS
9436
Robert Ryals
6-17-94

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

DESIGNED BY: DATE:
DRAWN BY: DATE:
CHECKED BY: DATE:

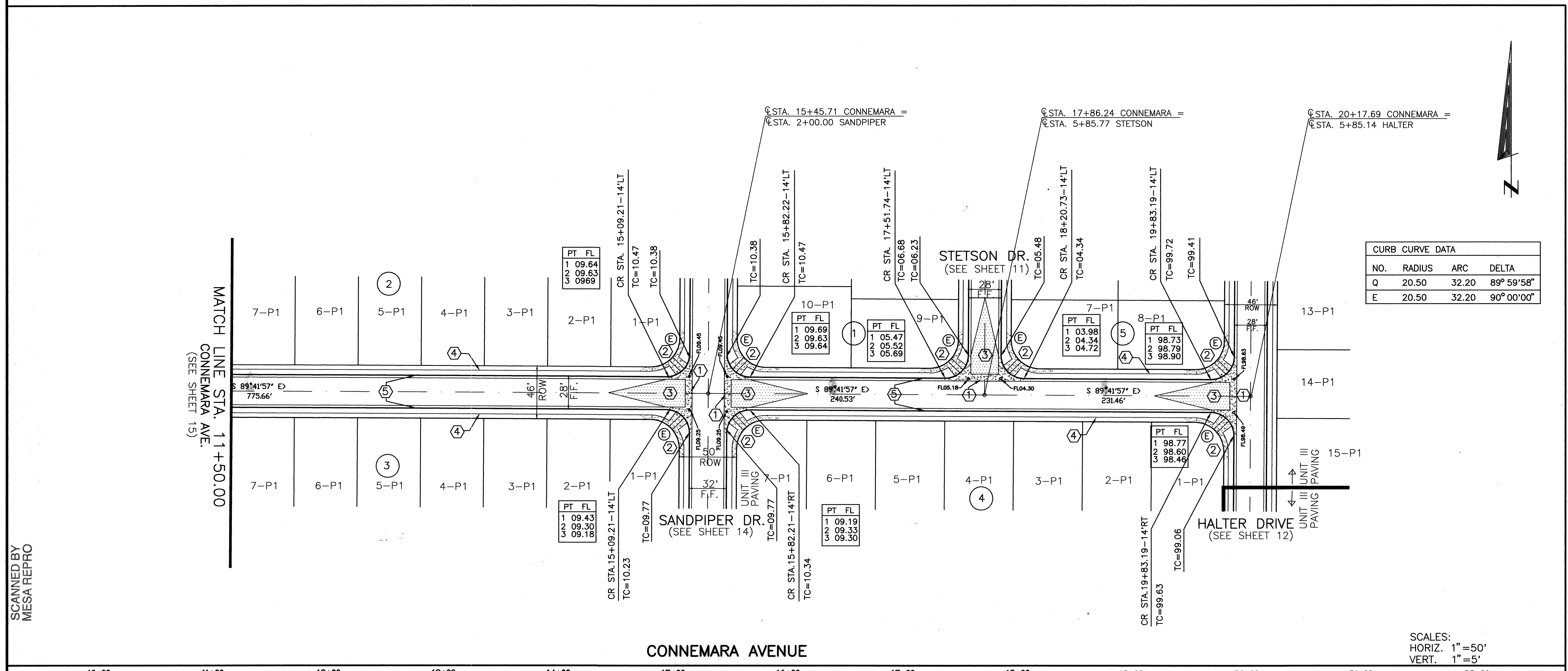
R Y A L S engineering & construction services
4929 Idiewilde S.E. Albuquerque, NM 87108
(505) 265–8267 269–1142 mobile telephone

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:
SUNRISE TERRACE UNIT III
PAVING PLAN AND PROFILE
CONNEMARA AVENUE
STA. 0+00.00 – STA. 11+50.00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIR	S.J. Goolsby	8-29-94	HYDROLOGY	N/A Smc	8-9-94
WATER WASTE WATER	N/A RWK	8-11-94	PARKS & GENERAL SERV.	Callen K. Fry	8-23-94
TRANSPORTATION	R Dourk	8-12-94			

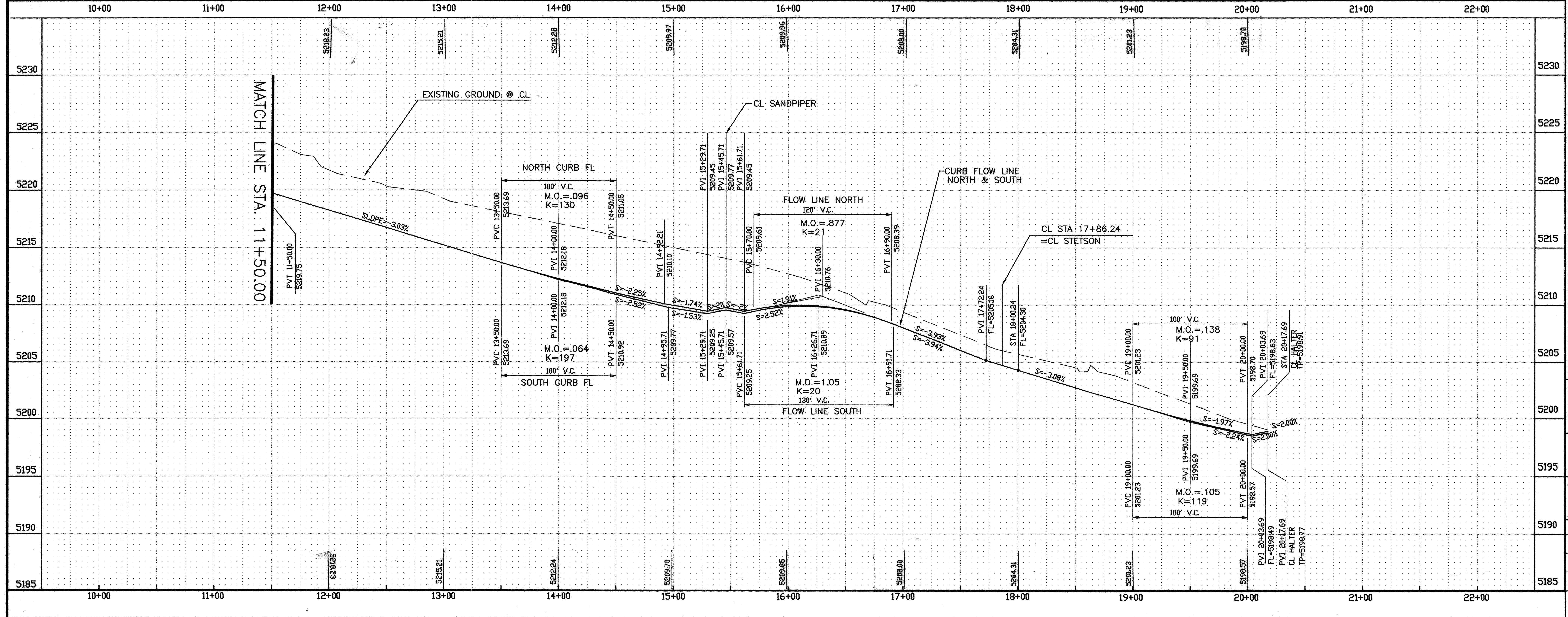
PROJECT NO. 4970.90 MAP NO. L–8 SHEET 16 OF 27



CURB CURVE DATA			
NO.	RADIUS	ARC	DELTA
Q	20.50	32.20	89° 59'58"
E	20.50	32.20	90° 00'00"

CONNEMARA AVENUE

SCALES:
HORIZ. 1"=50'
VERT. 1"=5'



CONSTRUCTION NOTES

- ⟨1⟩ CONC. VALLEY GUTTER PER C.O.A. DWG. 2420. (UNLESS OTHERWISE SHOWN.)
- ⟨2⟩ CONSTRUCT WHEELCHAIR RAMP PER C.O.A. STD DWG #2441.
- ⟨3⟩ 50' TRANSITION PER C.O.A. DWG. 2401.
- ⟨4⟩ 4' WIDE CONC. S.W. BY OTHERS
- ⟨5⟩ CONSTRUCT STANDARD CURB & GUTTER PER C.O.A. DWG #2415.

LEGEND

NEW CURB AND GUTTER	═══
EXISTING CURB AND GUTTER	═ ═ ═ ═
REMOVE EXISTING TEMPORARY ASPHALT	▨
TRANSITION OF ASPHALT	▷
VALLEY GUTTER	╤
WHEELCHAIR RAMP	⌒

AS BUILT INFROMATION

CONTRACTOR	HYDRO-SYSTEMS		
WORK STATED BY	ALS, INC.	DATE	5/95
INSPECTOR'S ACCEPTANCE BY	Ryals Eng	DATE	5/95
FIELD VERIFICATION BY	ALS, INC.	DATE	5/95
DRAWINGS CORRECTED BY	ALS, INC.	DATE	5/95

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

CITY OF ALBUQUERQUE SURVEY MONUMENT
"7-L9" . LOCATED 200' SOUTH OF
TOWER ON WEST ROW OF 98TH STREET.
ELEV. = 5175.70

SURVEY INFORMATION

FIELD NOTES		
NO.	BY	DATE

ENGINEER'S SEAL

ROBERT RYALS
NEW MEXICO
9436
REGISTERED PROFESSIONAL ENGINEER
Robert B. Ryals
6-17-94

REMARKS				
REVISIONS				
DESIGN				
NO.	DATE			BY

DESIGNED BY:RBR DATE:6/8/94
DRAWN BY:PAUL DEAL DATE:6/8/94
CHECKED BY: DATE:

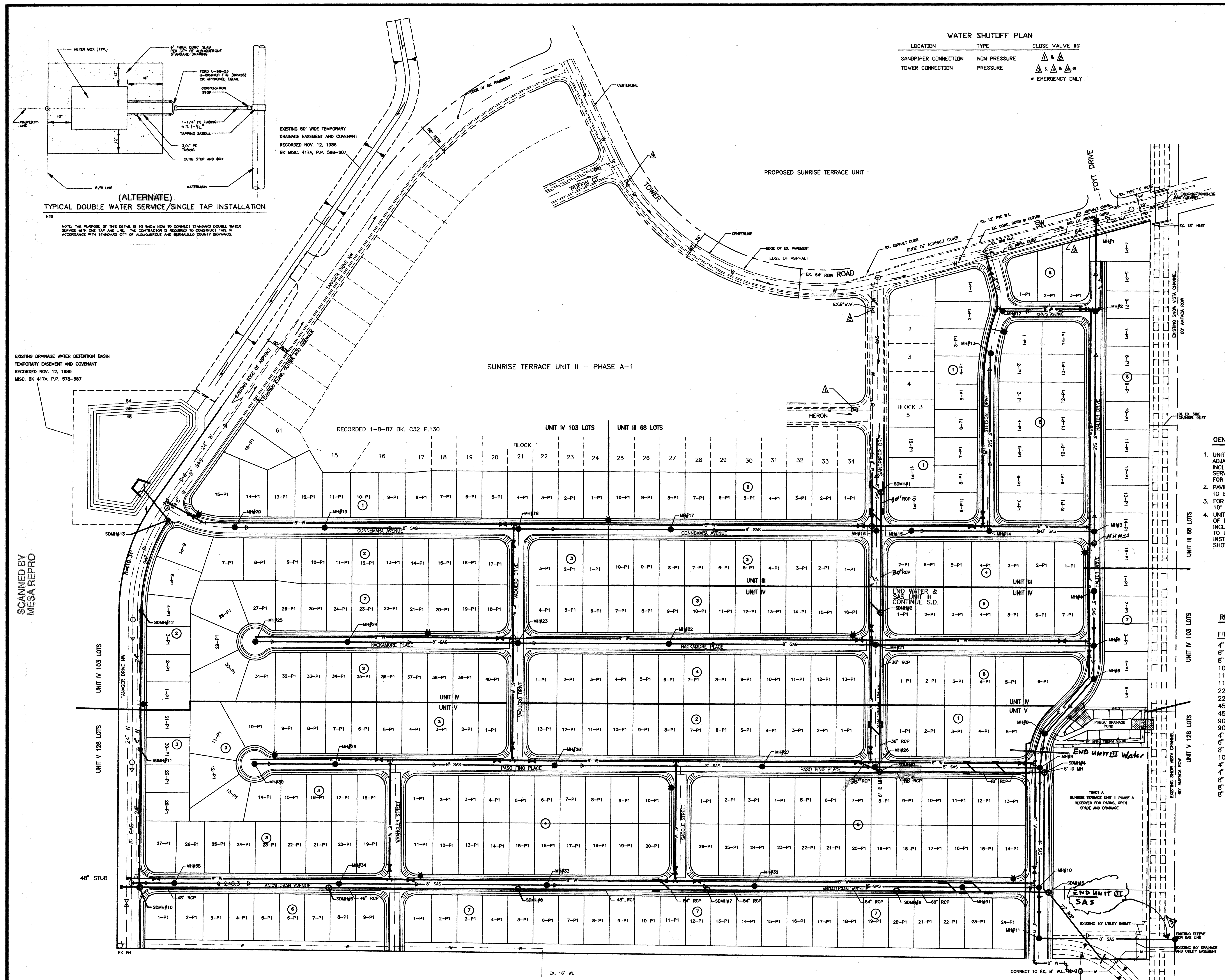
RYALS engineering & construction services
4929 Idiewilde S.E. Albuquerque, NM 87108
(505) 265-8267 269-1142 mobile telephone

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: SUNRISE TERRACE UNIT III
PAVING PLAN AND PROFILE
CONNEMARA AVENUE
STA. 11+50.00 - 20+17.69

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIR	B.J. Goldberg	8-29-94	HYDROLOGY	N/A Smc	8-9-94
WATER WASTE WATER	N/A RWK	8-11-94	PARKS + GENERAL SERV.	Callen K. Fry	8-23-94
TRANSPORTATION	R. Dourek	8-12-94			

PROJECT NO. 4970.90	MAP NO. L-8	SHEET 17 OF 27


METER BOX (TYP.)
6" THICK CONC. SLAB PER CITY OF ALBUQUERQUE STANDARD DRAWING
FORD U-68-53 U-BRANCH FTG. (BRASS) OR APPROVED EQUAL
CORPORATION STOP
1-1/4" PE TUBING
TAPPING SADDLE
3/4" PE TUBING
CURB STOP AND BOX
PROPERTY LINE
R/W LINE
WATERMAIN
12"
18"
EXISTING 50' WIDE TEMPORARY DRAINAGE EASEMENT AND COVENANT RECORDED NOV. 12, 1986 BK MISC. 417A, P.P. 598-607
EXISTING DRAINAGE WATER DETENTION BASIN TEMPORARY EASEMENT AND COVENANT RECORDED NOV. 12, 1986 MISC. BK 417A, P.P. 578-587
SUNRISE TERRACE UNIT II – PHASE A-1
PROPOSED SUNRISE TERRACE UNIT I
TOWER
PUFFIN CT
EX. 64' ROW ROAD
FOYT DRIVE
HERON
TANAGER DRIVE NW
SANDPIPER DR
STETSON DRIVE
HALTER DRIVE
CHAPS AVENUE
CONNEMARA AVENUE
HACKAMORE PLACE
PASO FINO PLACE
ANDALUSIAN AVENUE
VAQUERO DRIVE
WRANGLER STREET
SADDLE STREET
BLOCK 1
BLOCK 3
RECORDED 1-8-87 BK. C32 P.130
UNIT IV 103 LOTS
UNIT III 68 LOTS
UNIT V 128 LOTS
UNIT III
UNIT IV
UNIT V
END WATER & SAS UNIT III CONTINUE S.D.
END UNIT III Water
END UNIT III SAS
PUBLIC DRAINAGE POND
TRACT A SUNRISE TERRACE UNIT II PHASE A RESERVED FOR PARKS, OPEN SPACE AND DRAINAGE
EXISTING SNOW VISTA CHANNEL 60' AMFACA ROW
EX. 18" INLET
CL EX. SIDE CHANNEL INLET
EXISTING 10' UTILITY EASM'T
EXISTING SLEEVE FOR SAS LINE
EXISTING 50' DRAINAGE AND UTILITY EASEMENT
CONNECT TO EX. 8" W.L.
8" SAS TO GIBSON BLVD. ALONG AMFACA ROW = 1300 L.F.
EX. 16" WL
48" STUB
EX FH
SCALE–1"=100'
0 25 50 100
N

(ALTERNATE)
TYPICAL DOUBLE WATER SERVICE/SINGLE TAP INSTALLATION

NTS

NOTE: THE PURPOSE OF THIS DETAIL IS TO SHOW HOW TO CONNECT STANDARD DOUBLE WATER SERVICE WITH ONE TAP AND LINE. THE CONTRACTOR IS REQUIRED TO CONSTRUCT THIS IN ACCORDANCE WITH STANDARD CITY OF ALBUQUERQUE AND BERNALILLO COUNTY DRAWINGS.

WATER SHUTOFF PLAN

LOCATION	TYPE	CLOSE VALVE #S
SANDPIPER CONNECTION	NON PRESSURE	1 & 2
TOWER CONNECTION	PRESSURE	3 & 4 & 2 *

* EMERGENCY ONLY

LEGEND

DESCRIPTION	PROPOSED	EXISTING
WATER VALVE	⧗	⧖
FIRE HYDRANT	●	○
STREET LIGHT	●•	○∘
STORM DRAIN MANHOLE	⊙	
STORM DRAIN INLET	▤▤	▤
MANHOLE	●	○
CURB & GUTTER	═══	═ ═ ═
WATER LINE	—— W ——	– – W – –
SEWER LINE	—— SAS ——	– – SAS – –

GENERAL NOTES

1. UNIT III CONSTRUCTION ON HALTER TO INCLUDE WATER AND PAVING ADJACENT TO LOTS 1–5 OF UNIT IV AND DRAINAGE POND ON TRACT A. INCLUDING CURB & GUTTER ON BOTH SIDES OF STREET AND UTILITY SERVICES TO THESE LOTS. SANITARY SEWER MAIN SHALL BE CONSTRUCTED FOR MAN HOLES 1–10.
2. PAVING CURB, GUTTER, WATER AND SAS FOR UNIT III ON SANDPIPER TO END AT REAR LOT LINE OF LOT 7, BLK 4, UNIT III.
3. FOR UNIT III CONSTRUCTION ON CONNEMARA STUB WATER & SAS 10' WEST OF UNIT III/IV BOUNDARY.
4. UNIT III STORM DRAIN CONSTRUCTION TO INCLUDE INSTALLATION OF PIPE & MANHOLES ON SANDPIPER, PASO FINO & HALTER INCLUDING CONNECTION TO SNOW VISTA CHANNEL. CATCH BASINS TO BE INSTALLED ON SANDPIPER NORTH OF III/IV PHASE BOUNDARY. INSTALL WYES AND PLUG LATERALS FOR ALL FUTURE CATCH BASINS SHOWN.

RESTRAINED JOINT SCHEDULE

FITTING	RESTRAINED LENGTH (ft)
4" GATE VALVE	32
6" GATE VALVE	46
8" GATE VALVE	60
10" GATE VALVE	72
11 1/4° BEND (6")	2'
11 1/4° BEND (8")	3'
22 1/2° BEND (6")	5'
22 1/2° BEND (8")	6'
45° BEND (6")	10'
45° BEND (8")	13'
90° BEND (6")	25'
90° BEND (8")	32'
4" CAP	– W/CONCRETE BLOCKING
6" CAP	–
8" CAP	–
10" CAP	–
4" X 6" TEE	RUN 4, BRANCH 7'
4" X 8" TEE	RUN 3', BRANCH 7'
8" X 8" TEE	RUN 13', BRANCH 3'
8" X 6" TEE	RUN 7', BRANCH 5'
8" X 6" REDUCER	33' EA. WAY

AS BUILT INFROMATION

CONTRACTOR	Hydro Systems	
WORK STATED BY	ALS, INC	DATE 5/95
INSPECTOR'S ACCEPTANCE BY	R Abking	DATE 5/95
FIELD VERIFICATION BY	ALS, INC	DATE 5/95
DRAWINGS CORRECTED BY	ALS, INC	DATE 5/95

MICRO-FILM INFORMATION

RECORDED BY
DATE
NO.

BENCH MARKS

CITY OF ALBUQUERQUE SURVEY MONUMENT
"7–L9". LOCATED 200' SOUTH OF
TOWER ON WEST ROW OF 98TH STREET.
ELEV. = 5175.70

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

ROBERT RYALS
NEW MEXICO
9436
REGISTERED PROFESSIONAL ENGINEER

Robert B Ryals
6-17-94

NO.	DATE	REMARKS	BY
1	11/21/94	Extend SAS to MH #11 & EAST TO CHANNEL	

REVISIONS

DESIGN

DESIGNED BY: RBR DATE: 6/8/94
DRAWN BY: PAUL DEAL DATE: 6/8/94
CHECKED BY: DATE:

R Y A L S engineering & construction services
4929 Idiewilde S.E. Albuquerque, NM 87108
(505) 265–8267 269–1142 mobile telephone

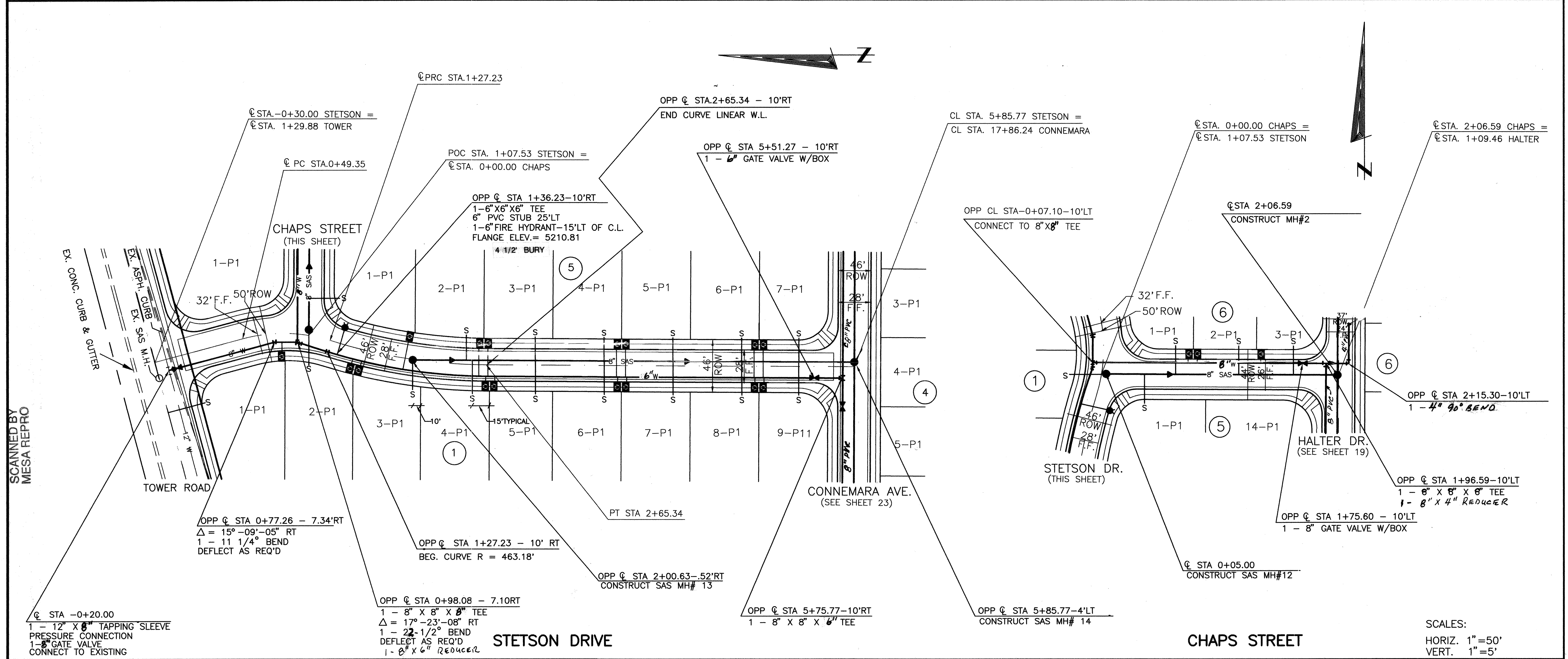
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

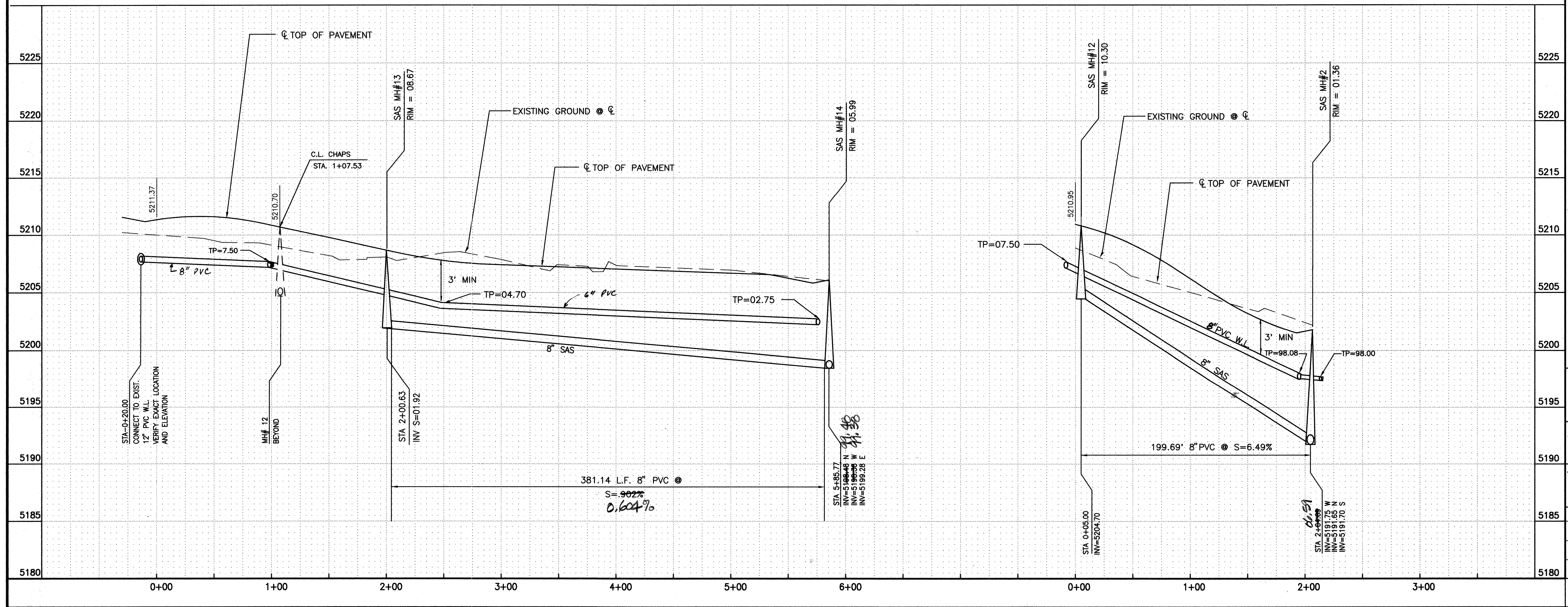
TITLE:
SUNRISE TERRACE UNIT III
COMPOSITE UTILITY PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIR	B.J. Goolsby	8-29-94	HYDROLOGY	Susan Calongne	8-9-94
WATER WASTE WATER	R.W. Kane	8-11-94	PARKS + GENERAL SERV	Callen K. Fay	8-23-94
TRANSPORTATION	N/A RHD	8.12.94			

PROJECT NO. 4970.90
MAP NO. L–8
SHEET 18 OF 27

SCANNED BY MESA REPRO





GENERAL NOTES:

1. CONTRACTOR SHALL SUPPORT ALL EXISTING UNDERGROUND UTILITY LINES WHICH BECOME EXPOSED DURING CONSTRUCTION. PAYMENT FOR SUPPORTING WORK SHALL BE INCIDENTAL TO WATERLINE AND OR SEWERLINE COSTS.
2. ALL WATER LINE STATIONING REFERS TO STREET CENTERLINE STATIONING.
3. ALL FITTINGS ON WATERLINES SHALL HAVE RESTRAINED JOINTS AS NOTED ON SHT
4. CONSTRUCT SAS SERVICES PER STD. DWG #2125
5. CONSTRUCT FIRE HYDRANTS PER DESIGNATED DEPTHS & LENGTHS PER STD. DWG. #2340
6. CONSTRUCT ALL SINGLE & DOUBLE WATER SERVICES PER STD. DWGS #2361, #2362 & #2363.
7. SEE SHT. 17 FOR WATER SHUT–OFF PLAN.
8. SEE SHT. 17 FOR RESTRAINED JOINT LENGTHS FOR WATER FITTINGS.
9. UNLESS OTHERWISE INDICATED, ALL SAS MANHOLES SHALL BE 4' DIAMETER,TYPE "E" PER STD. DWG #

CONSTRUCTION NOTES:

⬡

CHAPS
SEWER SERVICE TABLE

LOT #	℄ STA	INV@ PL
BLK 6		
LOT1–P1	0+64.94	5205.18
LOT2–P1	1+19.94	5201.48
LOT3–P1	1+49.94	5199.59
BLK 5		
LOT1–P1	0+34.94	5205.83

STETSON
SEWER SERVICE TABLE

LOT #	℄ STA	INV@ PL
BLK 1		
LOT1–P1	TOWER CL 0+88.25	5207.97
LOT2–P1	CL STET–1+06.78–4.94LT	5206.00
LOT3–P1	2+00.63 (MH)	5204.50
LOT4–P1	2+52.77	5204.12
LOT5–P1	3+07.77	5203.79
LOT6–P1	3+67.77	5203.40
LOT7–P1	4+27.77	5203.10
LOT8–P1	4+87.77	5202.80
LOT9–P1	5+37.77	5202.49
BLK 5		
LOT2–P1	2+47.64	5204.17
LOT3–P1	3+07.77	5203.70
LOT4–P1	3+67.77	5203.40
LOT5–P1	4+27.77	5203.10
LOT6–P1	4+87.77	5202.80
LOT7–P1	5+37.77	5202.12

LEGEND

DESCRIPTION	PROPOSED
WATER VALVE	⧗
FIRE HYDRANT	◆
SINGLE WATER SERVICE	▣
DOUBLE WATER SERVICE	▣▣
STREET LIGHT	●→
STORM DRAIN MANHOLE	⊙
STORM DRAIN INLET	▭
SAS MANHOLE	●
SEWER SERVICE	——— S
WATER LINE	— W —
SEWER LINE	— SAS —

AS BUILT INFROMATION
CONTRACTOR HYDRO-SYSTEMS
WORK STATED BY ALS, INC. DATE 5/95
INSPECTOR'S ACCEPTANCE BY Ryals Eng. DATE 5/95
FIELD VERIFICATION BY ALS, INC. DATE 5/95
DRAWINGS CORRECTED BY ALS, INC. DATE 5/95
MICRO–FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
CITY OF ALBUQUERQUE SURVEY MONUMENT
"7–L9" . LOCATED 200' SOUTH OF
TOWER ON WEST ROW OF 98TH STREET.
ELEV. = 5175.70

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
ROBERT RYALS
NEW MEXICO
9436
REGISTERED PROFESSIONAL ENGINEER
Robert B. Ryals
6-17-94

NO.	DATE	REMARKS	BY

REVISIONS
DESIGN
DESIGNED BY: RBR DATE: 6/8/94
DRAWN BY: PAUL DEAL DATE: 6/8/94
CHECKED BY: DATE:

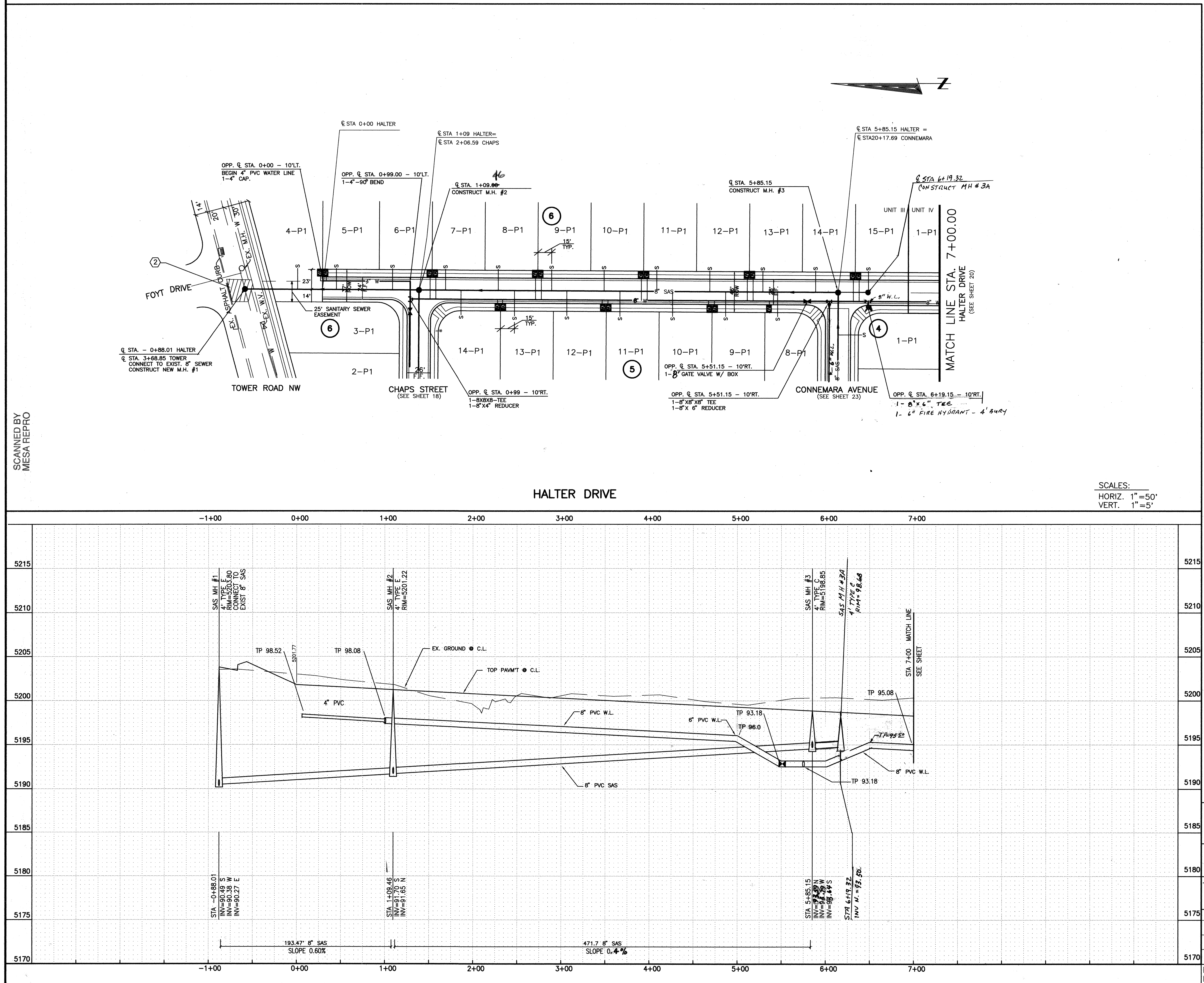
R Y A L S engineering & construction services
4929 Idiewilde S.E.
(505) 265–8267
Albuquerque, NM 87108
269–1142 mobile telephone

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: SUNRISE TERRACE UNIT III
UTILITY PLAN AND PROFILE
STETSON & CHAPS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIR	B.J. Goolsby	8-29-94	HYDROLOGY	N/A Smc	8-9-94
WATER WASTE WATER	R.W. Kane	8-11-94	PARKS + GENERAL SERV.	Callen K. Eng	8-23-94
TRANSPORTATION	N/A RHO	8-12-94			

PROJECT NO. 4970.90
MAP NO. L–8
SHEET 19 OF 27



SCANNED BY
MESA REPRO

GENERAL NOTES:

1. CONTRACTOR SHALL SUPPORT ALL EXISTING UNDERGROUND UTILITY LINES WHICH BECOME EXPOSED DURING CONSTRUCTION. PAYMENT FOR SUPPORTING WORK SHALL BE INCIDENTAL TO WATERLINE AND OR SEWERLINE COSTS.
2. ALL WATER LINE STATIONING REFERS TO STREET CENTERLINE STATIONING.
3. ALL FITTINGS ON WATERLINES SHALL HAVE RESTRAINED JOINTS AS NOTED ON SHEET.
4. CONSTRUCT SAS SERVICES PER STD. DWG #2125.
5. CONSTRUCT FIRE HYDRANTS PER DESIGNATED DEPTHS & LENGTHS PER STD. DWG. #2340.
6. CONSTRUCT ALL SINGLE & DOUBLE WATER SERVICES PER STD. DWGS #2361, #2362 & #2363, OR ALTERNATE
7. SEE SHT. 17 FOR WATER SHUT–OFF PLAN.
8. SEE SHT. 17 FOR RESTRAINED JOINT LENGTHS FOR WATER FITTINGS.
9. UNLESS OTHERWISE INDICATED, ALL SAS MANHOLES SHALL BE 4' DIAMETER, TYPE "E" PER STD. DWG# 2102.

CONSTRUCTION NOTES:

⟨2⟩ REMOVE & REPLACE EXISTING RESIDENTIAL ASPHALT PAVEMENT AS REQ'D TO CONSTRUCT MH#1

SEWER SERVICE TABLE

LOT #	℄ STA	INV @ PL
BLK 6		
4–P1	–0+40	99.00
5–P1	0+15	98.09
6–P1	0+79.32	97.76
7–P1	1+39.32	97.46
8–P1	1+99.32	97.16
9–P1	2+59.32	96.86
10–P1	3+19.32	96.56
11–P1	3+79.32	96.26
12–P1	4+39.32	95.96
13–P1	4+99.32	95.66
14–P1	5+59.32	95.37
15–P1	6+19.32(MH)	95.07
BLK 5		
14–P1	1+56.46	97.38
13–P1	2+17.15	97.08
12–P1	2+77.15	96.78
11–P1	3+37.15	96.48
10–P1	3+97.15	96.18
9–P1	4+57.15	95.88
8–P1	5+17.15	95.58

LEGEND

DESCRIPTION	PROPOSED
WATER VALVE	⧗
FIRE HYDRANT	●
SINGLE WATER SERVICE	▣
DOUBLE WATER SERVICE	▣
STREET LIGHT	●–
STORM DRAIN MANHOLE	⊙
STORM DRAIN INLET	▭
SAS MANHOLE	●
SEWER SERVICE	——S
WATER LINE	— W —
SEWER LINE	— SAS —

AS BUILT INFROMATION

CONTRACTOR	HYDRO-SYSTEMS	5/95
WORK STATED BY	ALS INC.	DATE 5/95
INSPECTOR'S ACCEPTANCE BY	Ryals Eng	DATE 5/95
FIELD VERIFICATION BY	ALS INC.	DATE 5/95
DRAWINGS CORRECTED BY	ALS INC.	DATE 5/95

MICRO–FILM INFORMATION

RECORDED BY
DATE
NO.

BENCH MARKS

CITY OF ALBUQUERQUE SURVEY MONUMENT
"7–L9". LOCATED 200' SOUTH OF
TOWER ON WEST ROW OF 98TH STREET
ELEV. = 5175.70

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

ROBERT RYALS
9436
Robert B Ryals
6-17-94

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN DATE: 6/8/94
DESIGNED BY: RBR
DRAWN BY: PAUL DEAL DATE: 6/8/94
CHECKED BY: DATE:

RYALS engineering & construction services
4929 Idiewilde S.E.
(505) 265–8267
Albuquerque, NM 87108
269–1142 mobile telephone

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:
SUNRISE TERRACE UNIT III
UTILITY PLAN AND PROFILE
HALTER DRIVE
(STA. 0+00.00 – STA. 7+00.00)

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIR	B.J. Goolsby	8-29-94	HYDROLOGY	N/A Smc	8-9-94
WATER WASTE WATER	R.W. Kane	8-11-94	PARKS + GENERAL SERV	Callen K. Fry	8-23-94
TRANSPORTATION	N/A RHD	8-12-94			

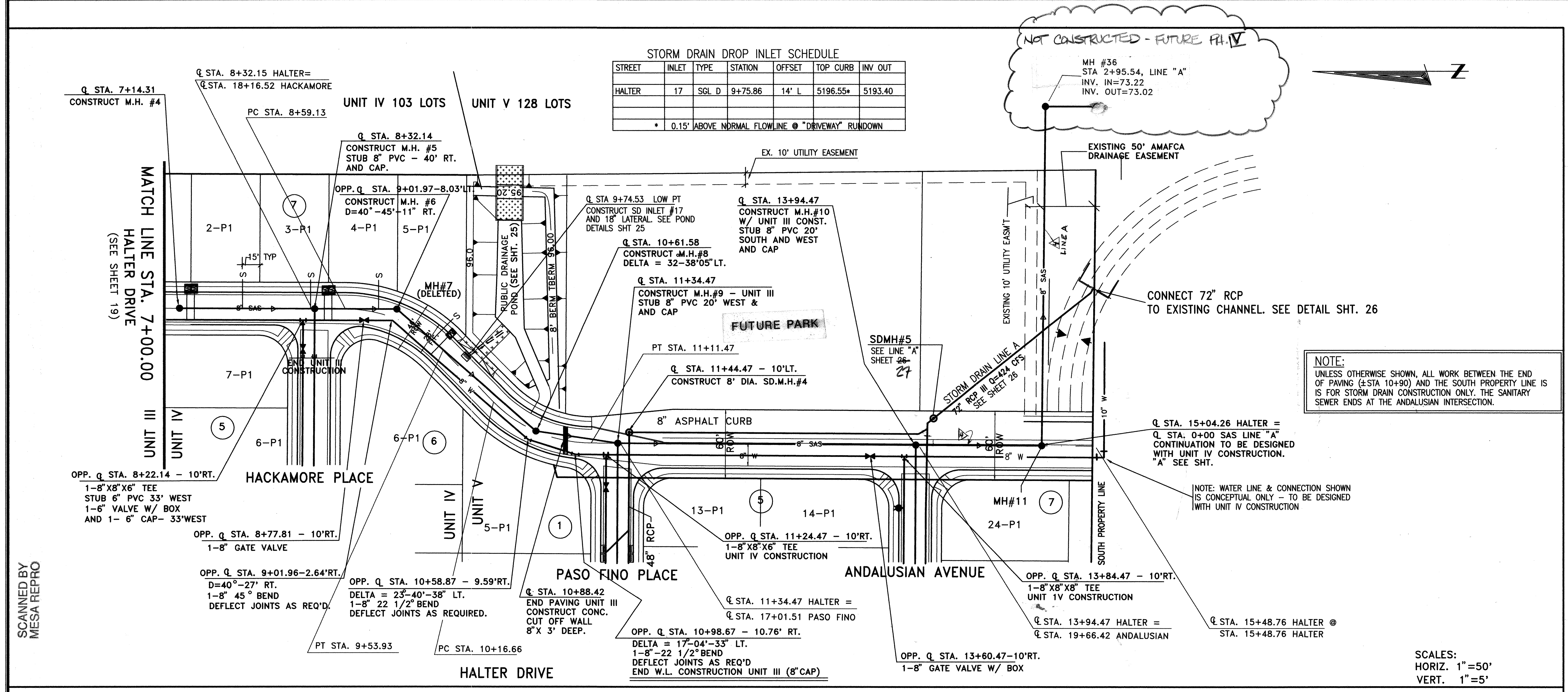
PROJECT NO. 4970.90

MAP NO. L–8

SHEET 20 OF 27

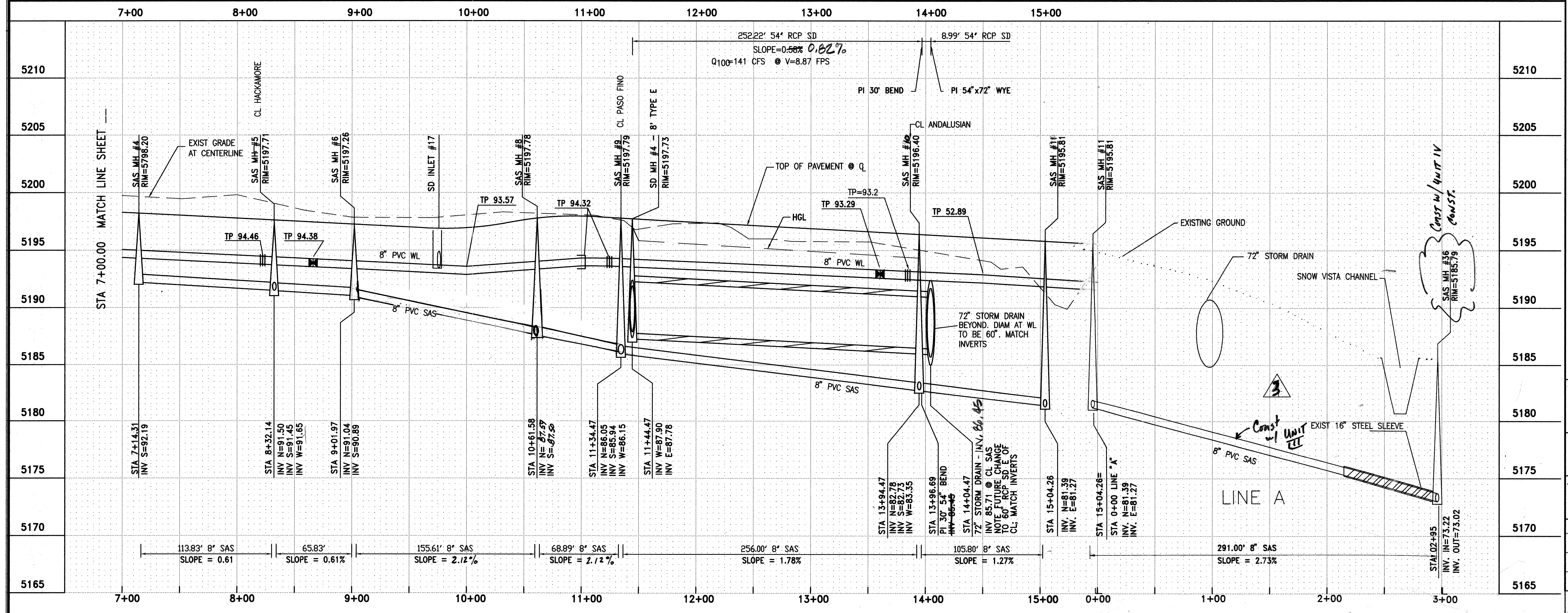
STORM DRAIN DROP INLET SCHEDULE

STREET	INLET	TYPE	STATION	OFFSET	TOP CURB	INV OUT
HALTER	17	SGL D	9+75.86	14' L	5196.55*	5193.40
*	0.15' ABOVE NORMAL FLOWLINE @ "DRIVEWAY" RUNDOWN					



NOTE:
UNLESS OTHERWISE SHOWN, ALL WORK BETWEEN THE END OF PAVING (±STA 10+90) AND THE SOUTH PROPERTY LINE IS IS FOR STORM DRAIN CONSTRUCTION ONLY. THE SANITARY SEWER ENDS AT THE ANDALUSIAN INTERSECTION.

SCANNED BY
MESA REPRO



7+00
8+00
9+00
10+00
11+00
12+00
13+00
14+00
15+00
0+00
1+00
2+00
3+00
5210
5205
5200
5195
5190
5185
5180
5175
5170
5165
STA 7+00.00 MATCH LINE SHEET
EXIST GRADE AT CENTERLINE
SAS MH #4 RIM=5798.20
CL HACKAMORE
SAS MH #5 RIM=5197.71
SAS MH #6 RIM=5197.26
SD INLET #17
SAS MH #8 RIM=5197.78
CL PASO FINO
SAS MH #9 RIM=5197.79
SD MH #4 - 8' TYPE E RIM=5197.73
TP 94.46
TP 94.38
8" PVC WL
TP 93.57
TP 94.32
8" PVC SAS
252.22' 54" RCP SD
SLOPE=~~0.58%~~ 0.82%
Q100=141 CFS @ V=8.87 FPS
8.99' 54" RCP SD
PI 30° BEND
PI 54"x72" WYE
CL ANDALUSIAN
TOP OF PAVEMENT @ ℄
TP=93.2
TP 93.29
HGL
TP 52.89
SAS MH #10 RIM=5196.40
SAS MH #11 RIM=5195.81
SAS MH #11 RIM=5195.81
72" STORM DRAIN BEYOND. DIAM AT WL TO BE 60". MATCH INVERTS
EXISTING GROUND
72" STORM DRAIN
SNOW VISTA CHANNEL
Const w/ UNIT IV CONST.
SAS MH #36 RIM=5185.79
3
Const w/ UNIT III
EXIST 16" STEEL SLEEVE
8" PVC SAS
LINE A
STA 7+14.31 INV S=92.19
STA 8+32.14 INV N=91.50 INV S=91.45 INV W=91.65
STA 9+01.97 INV N=91.04 INV S=90.89
STA 10+61.58 INV N=87.59 INV S=87.50
STA 11+34.47 INV N=86.05 INV S=85.94 INV W=86.15
STA 11+44.47 INV W=87.90 INV E=87.78
STA 13+94.47 INV N=82.78 INV S=82.73 INV W=83.35
STA 13+96.69 PI 30° 54" BEND ~~INV 85.45~~
STA 14+04.47 72" STORM DRAIN - INV. 86.45 INV 85.71 @ CL SAS NOTE FUTURE CHANGE TO 60" RCP SD E OF CL; MATCH INVERTS
STA 15+04.26 INV. N=81.39 INV. E=81.27
STA 15+04.26= STA 0+00 LINE "A" INV. N=81.39 INV. E=81.27
STA 02+95 INV. IN=73.22 INV. OUT=73.02
113.83' 8" SAS SLOPE = 0.61
65.83' SLOPE = 0.61%
155.61' 8" SAS SLOPE = 2.12%
68.89' 8" SAS SLOPE = 2.12%
256.00' 8" SAS SLOPE = 1.78%
105.80' 8" SAS SLOPE = 1.27%
291.00' 8" SAS SLOPE = 2.73%

GENERAL NOTES:

1. CONTRACTOR SHALL SUPPORT ALL EXISTING UNDERGROUND UNILITY LINES WHICH BECOME EXPOSED DURING CONSTRUCTION. PAYMENT FOR SUPPORTING WORK SHALL BE INCIDENTAL TO WATERLINE AND OR SEWERLINE COSTS.
2. ALL WATER LINE STATIONING REFERS TO STREET CENTERLINE STATIONING.
3. ALL FITTINGS ON WATERLINES SHALL HAVE RESTRAINED JOINTS AS NOTED ON SHT
4. CONSTRUCT SAS SERVICES PER STD. DWG #2125
5. CONSTRUCT FIRE HYDRANDTS PER DESIGNATED DEPTHS & LENGTHS PER STD. DWG. #2340 OR ALTERNATE.
6. CONSTRUCT ALL SINGLE & DOUBLE WATER SERVICES PER STD. DWGS #2361, #2362 & #2363.
7. SEE SHT. 17 FOR WATER SHUT-OFF PLAN.
8. SEE SHT. 17 FOR RESTRAINED JOINT LENGTHS FOR WATER FITTINGS.

CONSTRUCTION NOTES:

⬡

SEWER SERVICE TABLE

LOT #	℄ STA	INV @ PL
BLK 7	–	–
2-P1	7+69.31	5194.32
3-P1	8+29.31	5194.02
4-P1	8+82.73	5193.75
5-P1	9+43.99	5193.27

LEGEND

DESCRIPTION	PROPOSED
WATER VALVE	⧗
FIRE HYDRANT	●
SINGLE WATER SERVICE	▣ W
DOUBLE WATER SERVICE	▣ W ▣ W
STREET LIGHT	●-•
STORM DRAIN MANHOLE	⊙
STORM DRAIN INLET	▤▤
SAS MANHOLE	●
SEWER SERVICE	——— S
WATER LINE	—— W ——
SEWER LINE	—— SAS ——
HYDRAULIC GRADE LINE	— — —

AS BUILT INFROMATION
CONTRACTOR HYDRO-SYSTEMS
WORK STATED BY ALS, INC. DATE 5/95
INSPECTOR'S ACCEPTANCE BY R.A/S ENG DATE 5/95
FIELD VERIFICATION BY ALS, INC. DATE 5/95
DRAWINGS CORRECTED BY ALS, INC. DATE 5/95
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

BENCH MARKS
CITY OF ALBUQUERQUE SURVEY MONUMENT
"7-L9". LOCATED 200' SOUTH OF TOWER RD.
ON WEST ROW OF 98TH STREET
ELEV. = 5175.70

SURVEY INFORMATION

FIELD NOTES		
NO.	BY	DATE

ENGINEER'S SEAL
ROBERT RYALS
NEW MEXICO
9436
REGISTERED PROFESSIONAL ENGINEER
Robert B. Ryals 6-17-94

NO.	DATE	REMARKS	BY
4	11/15/94	ADD 295' SAS & MH #36	
3	11/15/94	STANDARD TO MOUNTABLE CURB & GUTTER	

REVISIONS

DESIGN
DESIGNED BY: THG DATE: 6/8/94
DRAWN BY: DJH, THG DATE: 6/8/94
CHECKED BY: DATE:

R Y A L S engineering & construction services
4929 Idiewilde S.E. Albuquerque, NM 87108
(505) 265-8267 269-1142 mobile telephone

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

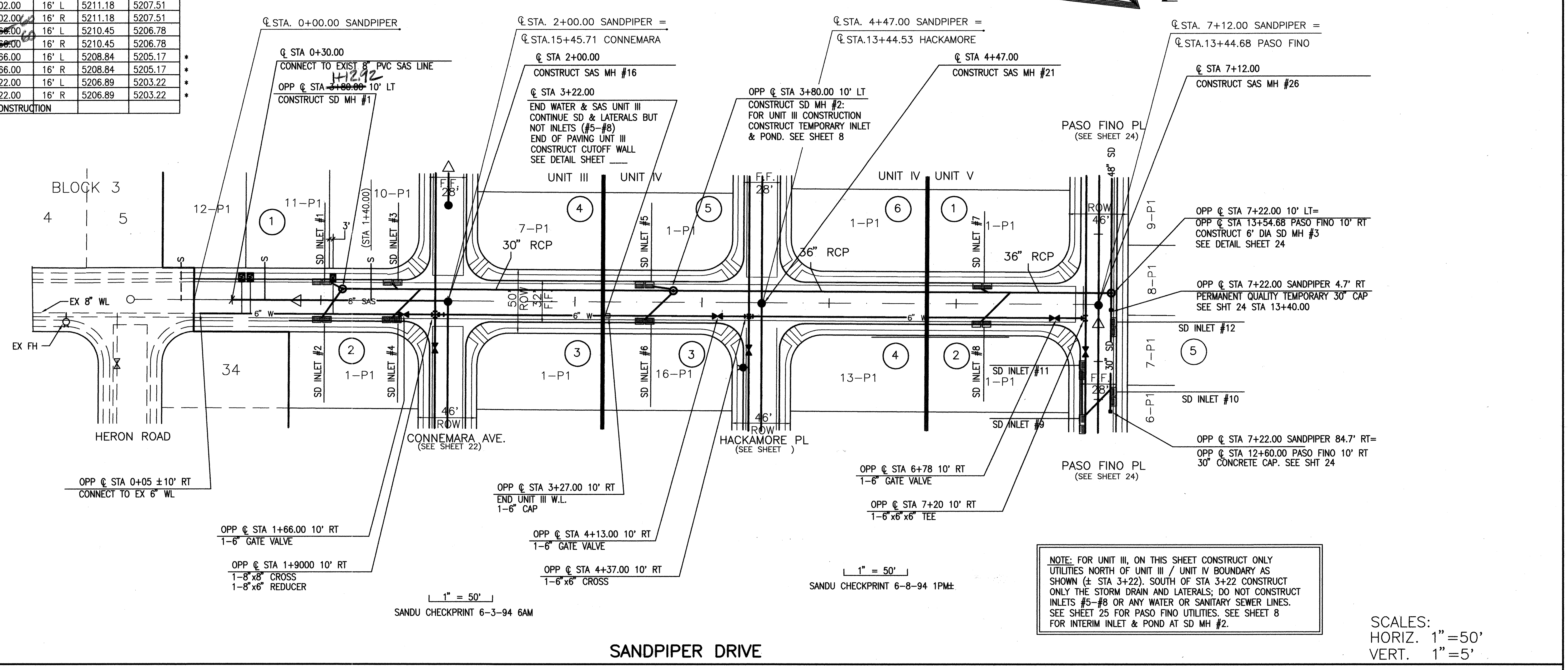
TITLE:
SUNRISE TERRACE UNIT III
UTILITY PLAN AND PROFILE
HALTER DRIVE
(STA. 7+00.00 - STA. 15+48.76)

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIR	B.J. Goolsby	8-29-94	HYDROLOGY	Susan Calongne	8-9-94
WATER WASTE WATER	R.W. Kane	8-11-94	PARKS + GEN. PROG. SERV.	Callen K. Fay	8-23-94
TRANSPORTATION	NARHD	8-12-94			

PROJECT NO. 4970.90
MAP NO. L-8
SHEET 21 OF 27

STORM DRAIN DROP INLET SCHEDULE

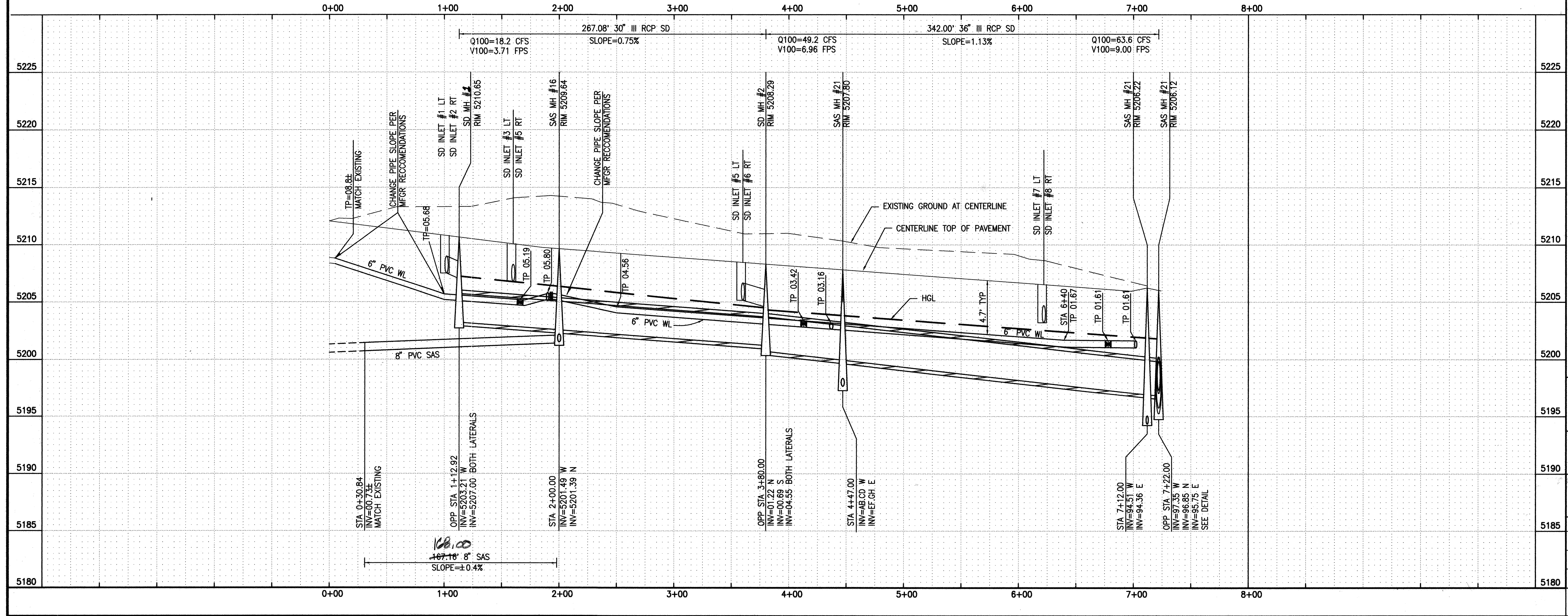
STREET	INLET	TYPE	STATION	OFFSET	TOP CURB	INV OUT	
SANDPIPER	1	SGL A	1+02.00	16' L	5211.18	5207.51	
	2	SGL A	1+02.00 60	16' R	5211.18	5207.51	
	3	DBL C	1+~~66~~.00 60	16' L	5210.45	5206.78	
	4	DBL C	1+~~60~~.00	16' R	5210.45	5206.78	
	5	SGL A	3+66.00	16' L	5208.84	5205.17	*
	6	SGL A	3+66.00	16' R	5208.84	5205.17	*
	7	SGL A	6+22.00	16' L	5206.89	5203.22	*
	8	SGL A	6+22.00	16' R	5206.89	5203.22	*
*	NOT	IN UNIT	III CONSTRUCTION				



NOTE: FOR UNIT III, ON THIS SHEET CONSTRUCT ONLY UTILITIES NORTH OF UNIT III / UNIT IV BOUNDARY AS SHOWN (± STA 3+22). SOUTH OF STA 3+22 CONSTRUCT ONLY THE STORM DRAIN AND LATERALS; DO NOT CONSTRUCT INLETS #5-#8 OR ANY WATER OR SANITARY SEWER LINES. SEE SHEET 25 FOR PASO FINO UTILITIES. SEE SHEET 8 FOR INTERIM INLET & POND AT SD MH #2.

SCALES:
HORIZ. 1"=50'
VERT. 1"=5'

SANDPIPER DRIVE



SCANNED BY
MESA REPRO

GENERAL NOTES:

1. CONTRACTOR SHALL SUPPORT ALL EXISTING UNDERGROUND UNILITY LINES WHICH BECOME EXPOSED DURING CONSTRUCTION. PAYMENT FOR SUPPORTING WORK SHALL BE INCIDENTAL TO WATERLINE AND OR SEWERLINE COSTS.
2. ALL WATER LINE STATIONING REFERS TO STREET CENTERLINE STATIONING.
3. ALL FITTINGS ON WATERLINES SHALL HAVE RESTRAINED JOINTS AS NOTED ON SHT
4. CONSTRUCT SAS SERVICES PER STD. DWG #2125
5. CONSTRUCT FIRE HYDRANDTS PER DESIGNATED DEPTHS & LENGTHS PER STD. DWG. #2340
6. CONSTRUCT ALL SINGLE & DOUBLE WATER SERVICES PER STD. DWGS #2361, #2362 & #2363.
7. SEE SHT. 17 FOR WATER SHUT-OFF PLAN.
8. SEE SHT. 17 FOR RESTRAINED JOINT LENGTHS FOR WATER FITTINGS.

CONSTRUCTION NOTES:

⬡

SEWER SERVICE TABLE

LOT #	℄ STA	INV @ PL
BLK 1		
12-P1	EXISTING	
11-P1		
10-P1	1+40.00	

LEGEND

DESCRIPTION	PROPOSED
WATER VALVE	⧗
FIRE HYDRANT	◆
SINGLE WATER SERVICE	▣
DOUBLE WATER SERVICE	▣
STREET LIGHT	●→
STORM DRAIN MANHOLE	⊙
STORM DRAIN INLET	▭
SAS MANHOLE	●
SEWER SERVICE	——S
WATER LINE	— W —
SEWER LINE	— SAS —
HYDRAULIC GRADE LINE	— — —

AS BUILT INFROMATION

CONTRACTOR	HYDRO-SYSTEMS	DATE 5/95
WORK STATED BY	ALS, INC.	DATE 5/95
INSPECTOR'S ACCEPTANCE BY	Ryals Eng	DATE 5/95
FIELD VERIFICATION BY	ALS, INC.	DATE 5/95
DRAWINGS CORRECTED BY	ALS, INC.	DATE 5/95

MICRO-FILM INFORMATION

RECORDED BY
DATE
NO.

BENCH MARKS

CITY OF ALBUQUERQUE SURVEY MONUMENT
"7-L9" . LOCATED 200' SOUTH OF
TOWER ON WEST ROW OF 98TH STREET.
ELEV. = 5175.70

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

ROBERT RYALS
9436
Robert B Ryals
6-17-94

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

DESIGNED BY: THG DATE: 6/8/94
DRAWN BY: DJH, THG DATE: 6/8/94
CHECKED BY: DATE:

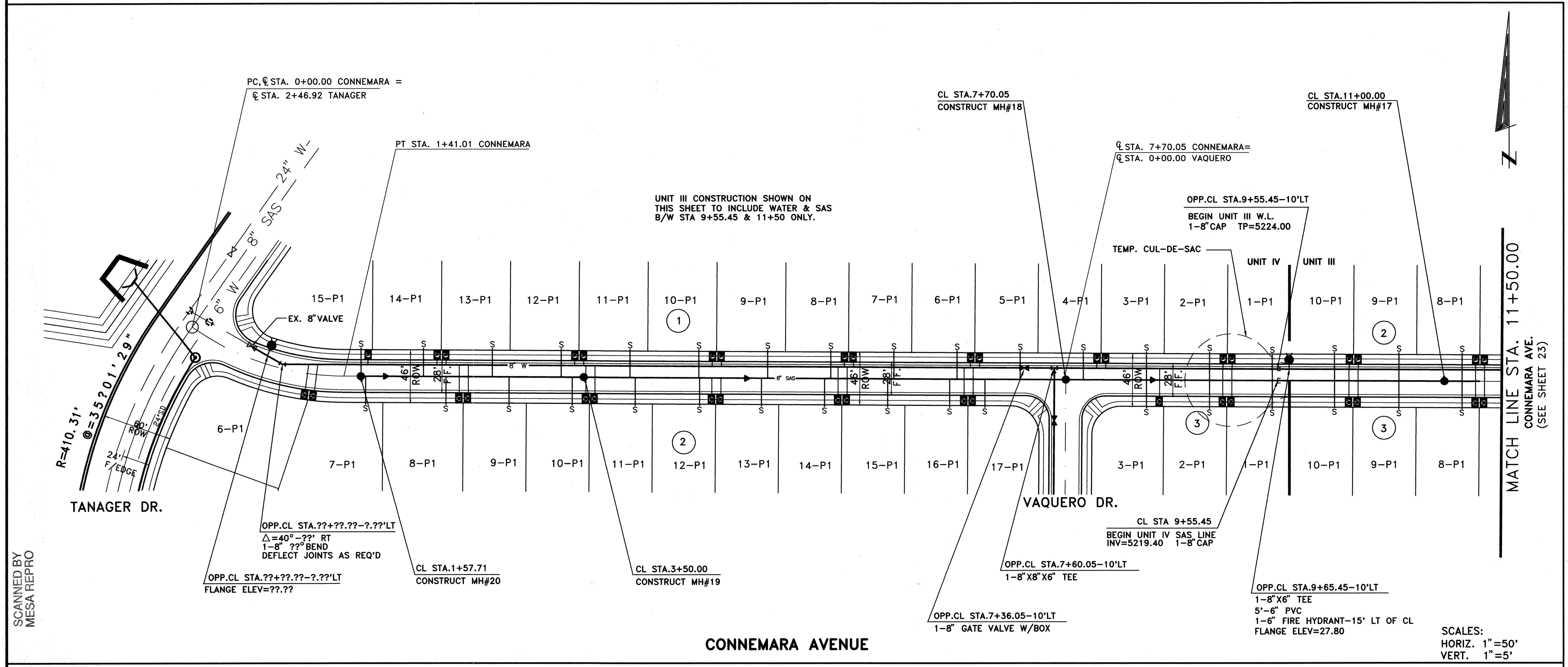
RYALS engineering & construction services
4929 Idiewilde S.E.
(505) 265-8267
Albuquerque, NM 87108
269-1142 mobile telephone

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: SUNRISE TERRACE UNIT III
UTILITY PLAN AND PROFILE
SANDPIPER DRIVE

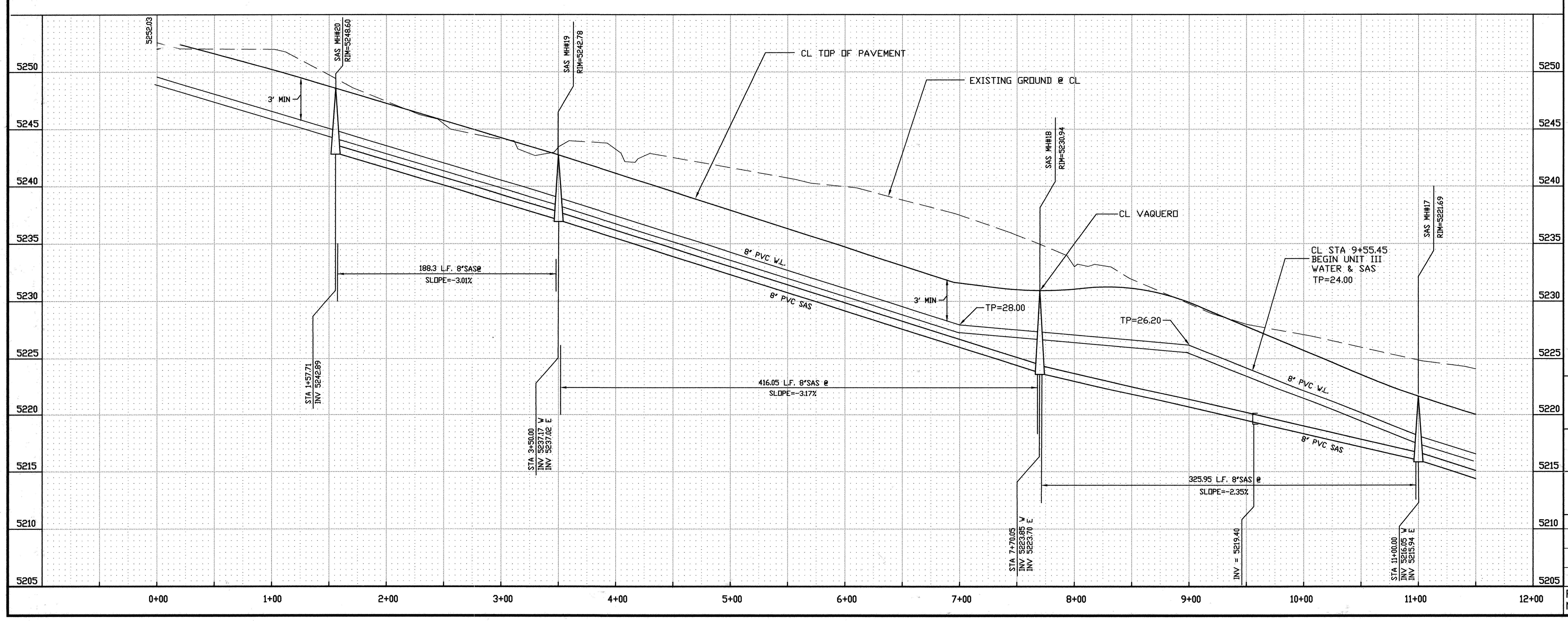
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIR	B.J. Goolsby	8-29-94	HYDROLOGY	Susan Calongne	8-9-94
WATER WASTE WATER	R.W. Kane	8-11-94	PARKS + GENERAL SERVS.	Calvin K. Fry	8-23-94
TRANSPORTATION	N/A RHD	8-12-94			

PROJECT NO. 4970.90
MAP NO. L-8
SHEET 22 OF 27



CONNEMARA AVENUE

SCALES:
HORIZ. 1"=50'
VERT. 1"=5'



GENERAL NOTES:

1. CONTRACTOR SHALL SUPPORT ALL EXISTING UNDERGROUND UNILITY LINES WHICH BECOME EXPOSED DURING CONSTRUCTION. PAYMENT FOR SUPPORTING WORK SHALL BE INCIDENTAL TO WATERLINE AND OR SEWERLINE COSTS.
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7. SEE SHT. 17 FOR WATER SHUT-OFF PLAN.
8. SEE SHT. 17 FOR RESTRAINED JOINT LENGTHS FOR WATER FITTINGS.

CONSTRUCTION NOTES:

⬡

SEWER SERVICE TABLE

LOT #	℄ STA	INV @ PL
BLK 2		
10–P1	11+15.70	17.52
9–P1	10+60.70	19.59
8–P1	10+05.70	21.89
BLK 3		
10–P1	11+17.70	17.46
9–P1	10+62.70	19.53
8–P1	10+07.70	21.83

LEGEND

DESCRIPTION	PROPOSED
WATER VALVE	⧗
FIRE HYDRANT	♦
SINGLE WATER SERVICE	▣
DOUBLE WATER SERVICE	▣▣
STREET LIGHT	●→
STORM DRAIN MANHOLE	⊙
STORM DRAIN INLET	▭
SAS MANHOLE	●
SEWER SERVICE	——S
WATER LINE	—— W ——
SEWER LINE	—— SAS ——

AS BUILT INFROMATION

CONTRACTOR	HYDRO-SYSTEMS		
WORK STATED BY	A.S. INC.	DATE	5/95
INSPECTOR'S ACCEPTANCE BY	Ryals Eng	DATE	5/95
FIELD VERIFICATION BY	A.S. INC.	DATE	5/95
DRAWINGS CORRECTED BY	A.S. INC.	DATE	5/95

MICRO-FILM INFORMATION

RECORDED BY		DATE	
NO.			

BENCH MARKS

CITY OF ALBUQUERQUE SURVEY MONUMENT
"7–L9" . LOCATED 200' SOUTH OF
TOWER ON WEST ROW OF 98TH STREET.
ELEV. = 5175.70

SURVEY INFORMATION

FIELD NOTES		
NO.	BY	DATE

ENGINEER'S SEAL

ROBERT RYALS
9436
6-17-94

NO.	DATE	REMARKS REVISIONS	BY

DESIGN
DESIGNED BY: RBR DATE:6/8/94
DRAWN BY: PAUL DEAL DATE:6/8/94
CHECKED BY: DATE:

R Y A L S engineering & construction services
4929 Idiewilde S.E. Albuquerque, NM 87108
(505) 265–8267 269–1142 mobile telephone

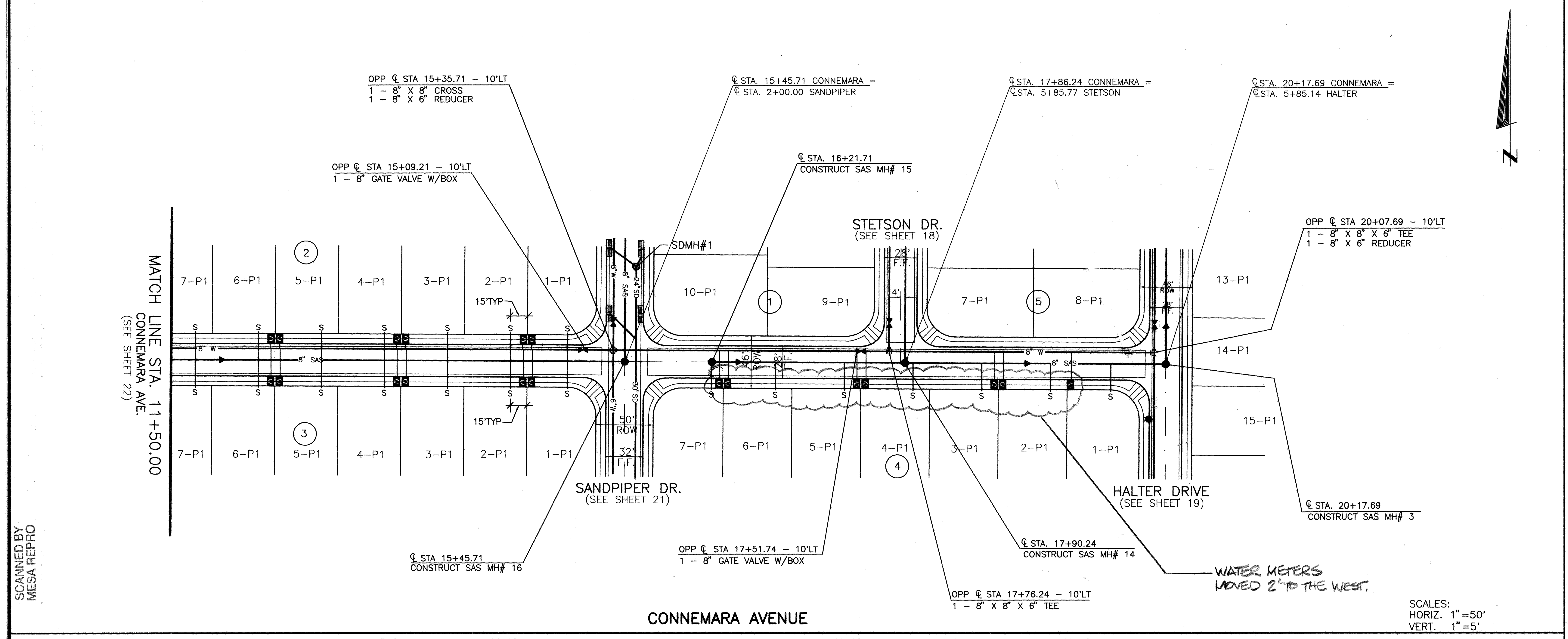
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

SUNRISE TERRACE UNIT III
UTILITY PLAN AND PROFILE
CONNEMARA AVENUE
STA. 0+00.00 – STA. 11+50.00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIR	B.J. Goolsby	8-29-94	HYDROLOGY	N/A SMC	8-9-94
WATER WASTE WATER	R.W. Kane	8-11-94	~~INSPECTION~~		
TRANSPORTATION	N/A RHD	8-12-94	PARKS + GENERAL SERV.	Callen K Fury	8-23-94

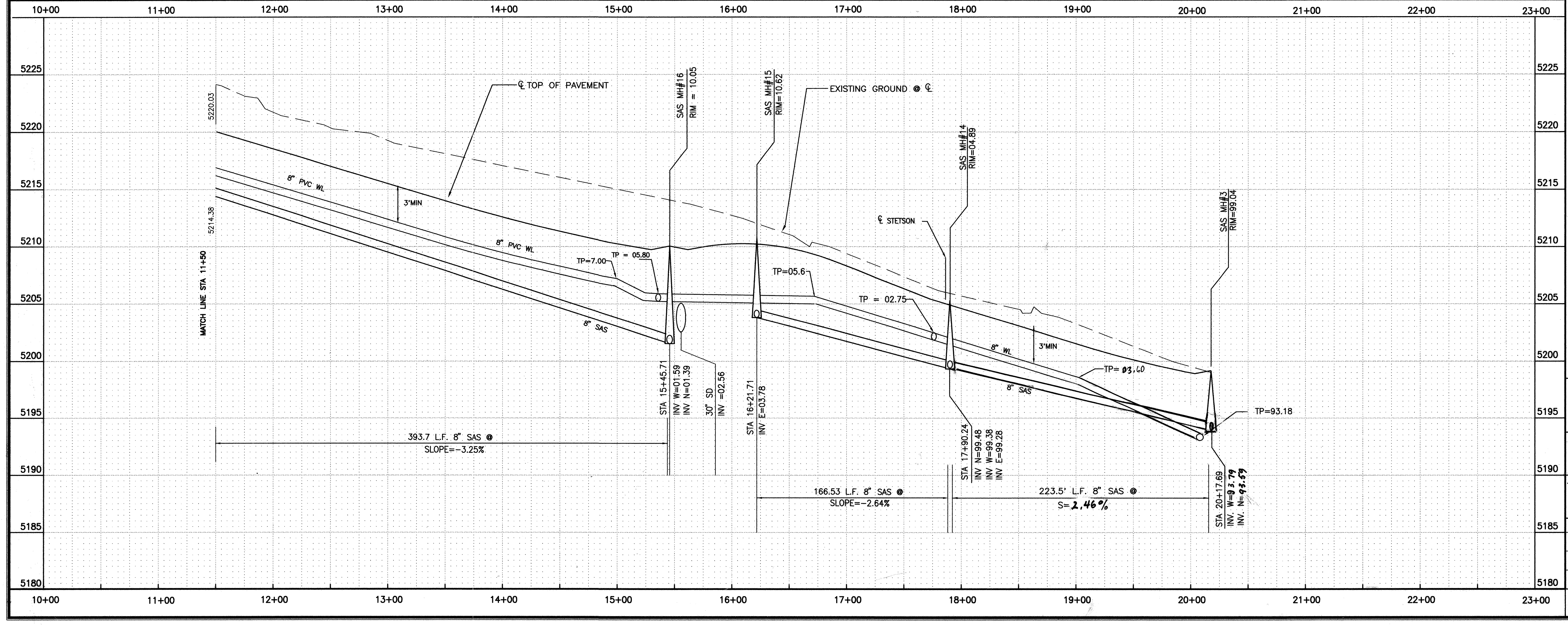
PROJECT NO. 4970.90 | MAP NO. L–8 | SHEET 23 OF 27

SCANNED BY MESA REPRO



CONNEMARA AVENUE

SCALES:
HORIZ. 1"=50'
VERT. 1"=5'



GENERAL NOTES:

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5. CONSTRUCT FIRE HYDRANTS PER DESIGNATED DEPTHS & LENGTHS PER STD. DWG. #2340
6. CONSTRUCT ALL SINGLE & DOUBLE WATER SERVICES PER STD. DWGS #2361, #2362 & #2363, OR ALTERNATE.
7. SEE SHT. 17 FOR WATER SHUT-OFF PLAN.
8. SEE SHT. 17 FOR RESTRAINED JOINT LENGTHS FOR WATER FITTINGS.
9. UNLESS OTHERWISE INDICATED, ALL SAS MANHOLES SHALL BE 4' DIAMETER, TYPE "E" PER STD. DWG# 2102.

CONSTRUCTION NOTES:

⬡

SEWER SERVICE TABLE

LOT #	℄ STA	INV @ PL
BLK 2		
7–P1	11+70.71	15.79
6–P1	12+25.71	14.13
5–P1	12+80.71	12.46
4–P1	13+35.71	10.80
3–P1	13+90.71	09.20
2–P1	14+45.71	07.82
1–P1	14+95.71	06.71
BLK 3		
7–P1	11+70.45	15.80
6–P1	12+25.45	14.13
5–P1	12+80.45	12.47
4–P1	13+35.45	10.80
3–P1	13+90.45	09.18
2–P1	14+45.45	07.71
1–P1	14+95.71	06.44
BLK 4		
7–P1	16+16.71	06.56
6–P1	16+76.71	05.54
5–P1	17+36.71	03.23
4–P1	17+96.71	01.08
3–P1	18+57.71	99.20
2–P1	19+16.71	97.40
1–P1	19+69.69	95.96

LEGEND

DESCRIPTION	PROPOSED
WATER VALVE	⧗
FIRE HYDRANT	●
SINGLE WATER SERVICE	▣
DOUBLE WATER SERVICE	▣▣
STREET LIGHT	●–
STORM DRAIN MANHOLE	⊙
STORM DRAIN INLET	▭▭
SAS MANHOLE	●
SEWER SERVICE	———S
WATER LINE	—— W ——
SEWER LINE	—— SAS ——

AS BUILT INFROMATION

CONTRACTOR	HYDRO-SYSTEMS	
WORK STATED BY	ALS, INC.	DATE 5/95
INSPECTOR'S ACCEPTANCE BY	RALS ENG	DATE 5/95
FIELD VERIFICATION BY	ALS, INC.	DATE 5/95
DRAWINGS CORRECTED BY	ALS, INC.	DATE 5/95

MICRO–FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

CITY OF ALBUQUERQUE SURVEY MONUMENT "7–L9" . LOCATED 200' SOUTH OF TOWER ON WEST ROW OF 98TH STREET.
ELEV. = 5175.70

SURVEY INFORMATION

FIELD NOTES		
NO.	BY	DATE

ENGINEER'S SEAL

ROBERT RYALS
NEW MEXICO
9436
REGISTERED PROFESSIONAL ENGINEER
Robert B Ryals
6-17-94

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

DESIGNED BY: RBR DATE: 6/8/94
DRAWN BY: PAUL DEAL DATE: 6/8/94
CHECKED BY: DATE:

R Y A L S engineering & construction services
4929 Idiewilde S.E. Albuquerque, NM 87108
(505) 265–8267 269–1142 mobile telephone

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:
SUNRISE TERRACE UNIT III
UTILITY PLAN AND PROFILE
CONNEMARA AVENUE
STA. 11+50.00 – 20+17.69

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIR	B.J. Goolsby	8-29-94	HYDROLOGY	N/A Smc	8-9-94
WATER WASTE WATER	R.W. Kane	8-11-94	~~INSPECTION~~		
TRANSPORTATION	N/P RHD	8-12-94	PARKS + GENERAL SERV	Calluk Eng	8-23-94

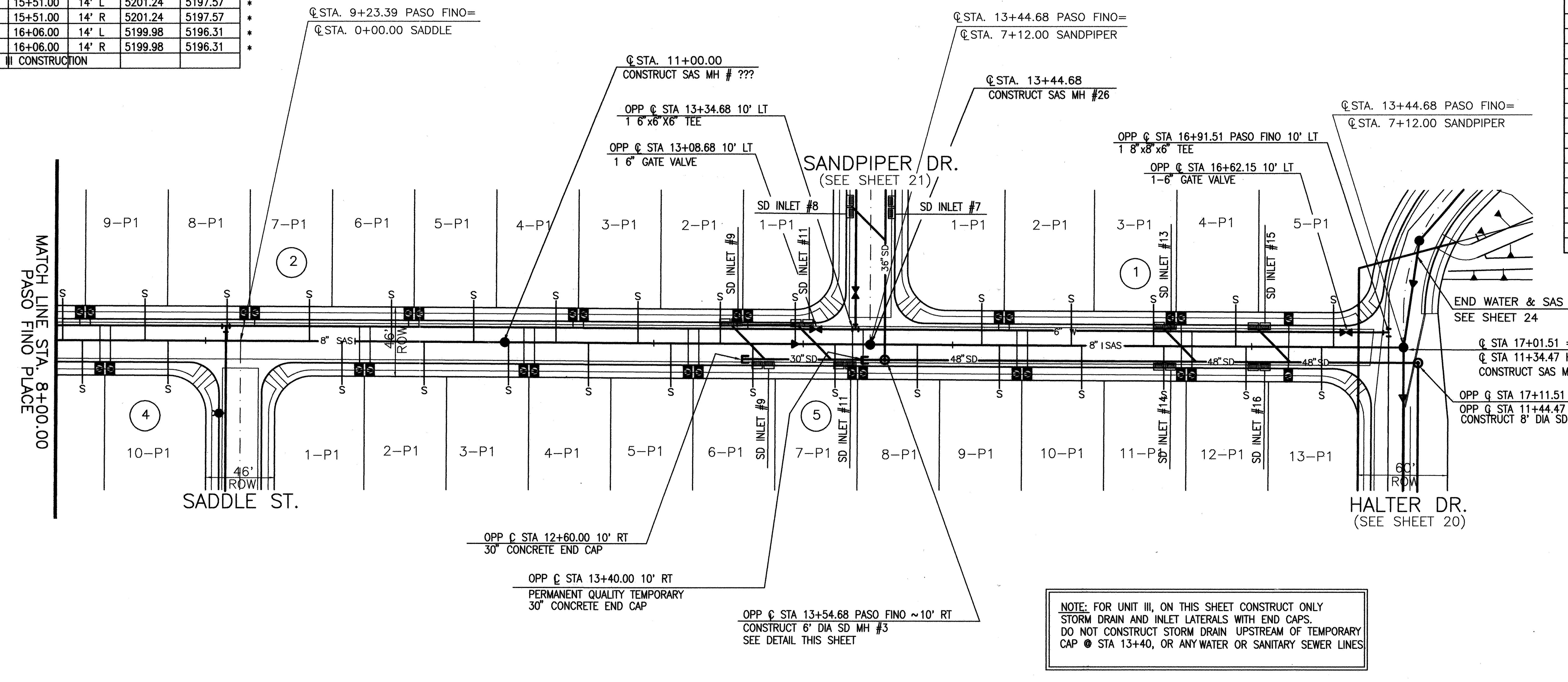
PROJECT NO. 4970.90

MAP NO. L–8

SHEET 24 OF 27

STORM DRAIN DROP INLET SCHEDULE

STREET	INLET	TYPE	STATION	OFFSET	TOP CURB	INV OUT	
PASO FINO	9	SGL A	12+55.00	14' L	5208.02	5204.35	*
	10	SGL A	12+76.00	14' R	5207.56	5203.89	*
	11	DBL C	12+97.00	14' L	5207.06	5203.33	*
	12	DBL C	13+31.00	14' R	5206.31	5202.64	*
	13	SGL A	15+51.00	14' L	5201.24	5197.57	*
	14	SGL A	15+51.00	14' R	5201.24	5197.57	*
	15	DBL C	16+06.00	14' L	5199.98	5196.31	*
	16	DBL C	16+06.00	14' R	5199.98	5196.31	*
*	NOT IN UNIT III CONSTRUCTION						



NOTE: FOR UNIT III, ON THIS SHEET CONSTRUCT ONLY STORM DRAIN AND INLET LATERALS WITH END CAPS. DO NOT CONSTRUCT STORM DRAIN UPSTREAM OF TEMPORARY CAP @ STA 13+40, OR ANY WATER OR SANITARY SEWER LINES

SCALES:
HORIZ. 1"=50'
VERT. 1"=5'

PASO FINO PLACE

SEWER SERVICE TABLE

LOT #	℄ STA	INV @ PL

GENERAL NOTES:

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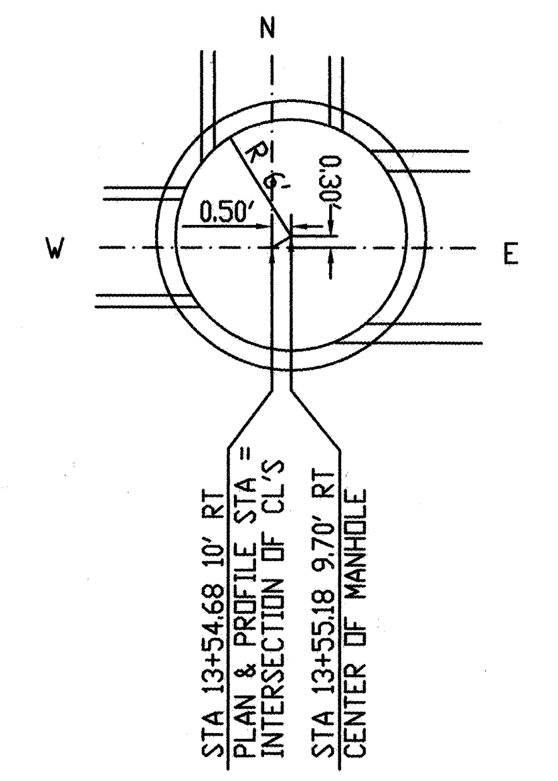
8. SEE SHT. 17 FOR RESTRAINED JOINT LENGTHS FOR WATER FITTINGS.

CONSTRUCTION NOTES:

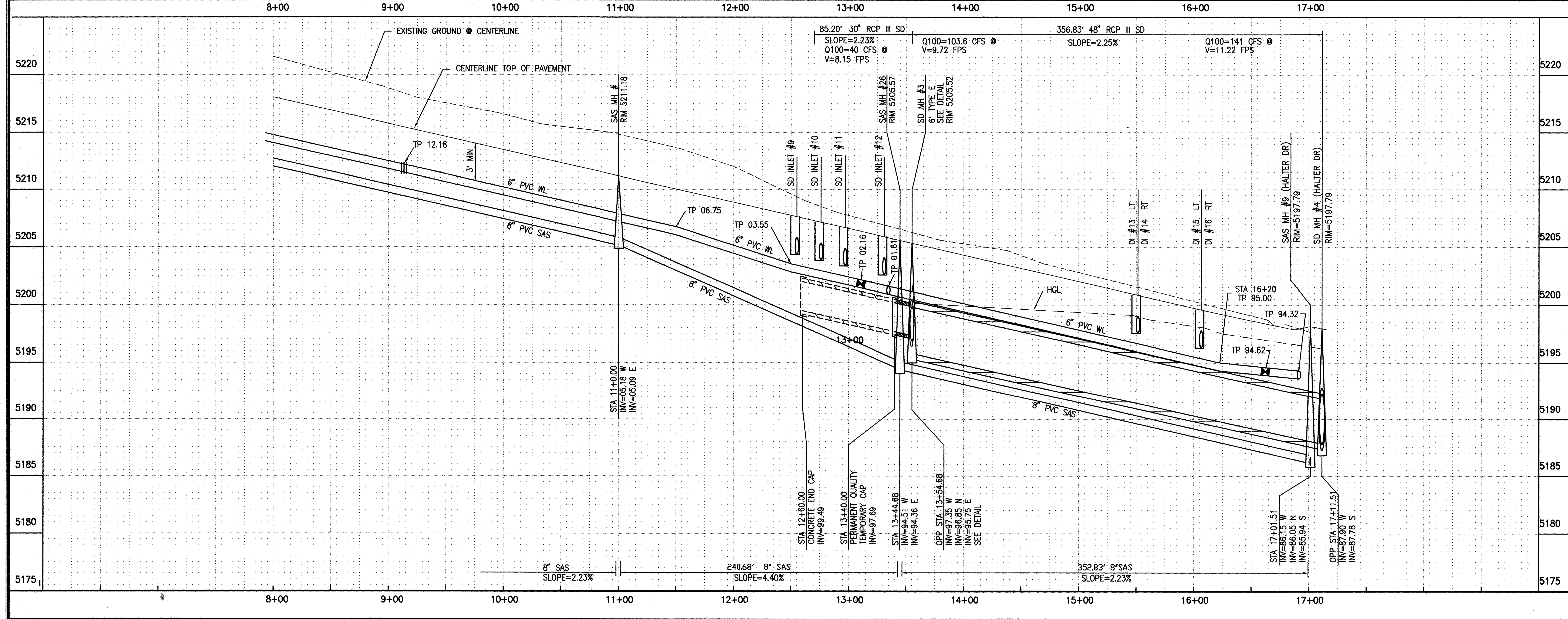
⬡



SD MH #3
LAYOUT DETAIL 1"=5'

LEGEND

DESCRIPTION	PROPOSED
WATER VALVE	⧗
FIRE HYDRANT	●
SINGLE WATER SERVICE	Ⓦ
DOUBLE WATER SERVICE	Ⓦ Ⓦ
STREET LIGHT	●–•
STORM DRAIN MANHOLE	⊙
STORM DRAIN INLET	▤▤
SAS MANHOLE	●
SEWER SERVICE	——— S
WATER LINE	—— W ——
SEWER LINE	—— SAS ——
HYDRAULIC GRADE LINE	— — —



AS BUILT INFROMATION			
CONTRACTOR	HYDRO-SYSTEMS		
WORK STATED BY	ALS, INC.	DATE	5/95
INSPECTOR'S ACCEPTANCE BY	R.A.L Eng	DATE	5/95
FIELD VERIFICATION BY	ALS, INC.	DATE	5/95
DRAWINGS CORRECTED BY	ALS, INC.	DATE	5/95
MICRO–FILM INFORMATION			
RECORDED BY		DATE	
NO.			

BENCH MARKS
CITY OF ALBUQUERQUE SURVEY MONUMENT
"7–L9" . LOCATED 200' SOUTH OF
TOWER ON WEST ROW OF 98TH STREET.
ELEV. = 5175.70

SURVEY INFORMATION		
FIELD NOTES		
NO.	BY	DATE

ENGINEER'S SEAL

REVISIONS			
NO.	DATE	REMARKS	BY
		DESIGN	

DESIGNED BY: THG DATE: 6/8/94
DRAWN BY: DJH, THG, PBD DATE: 6/8/94
CHECKED BY: DATE:

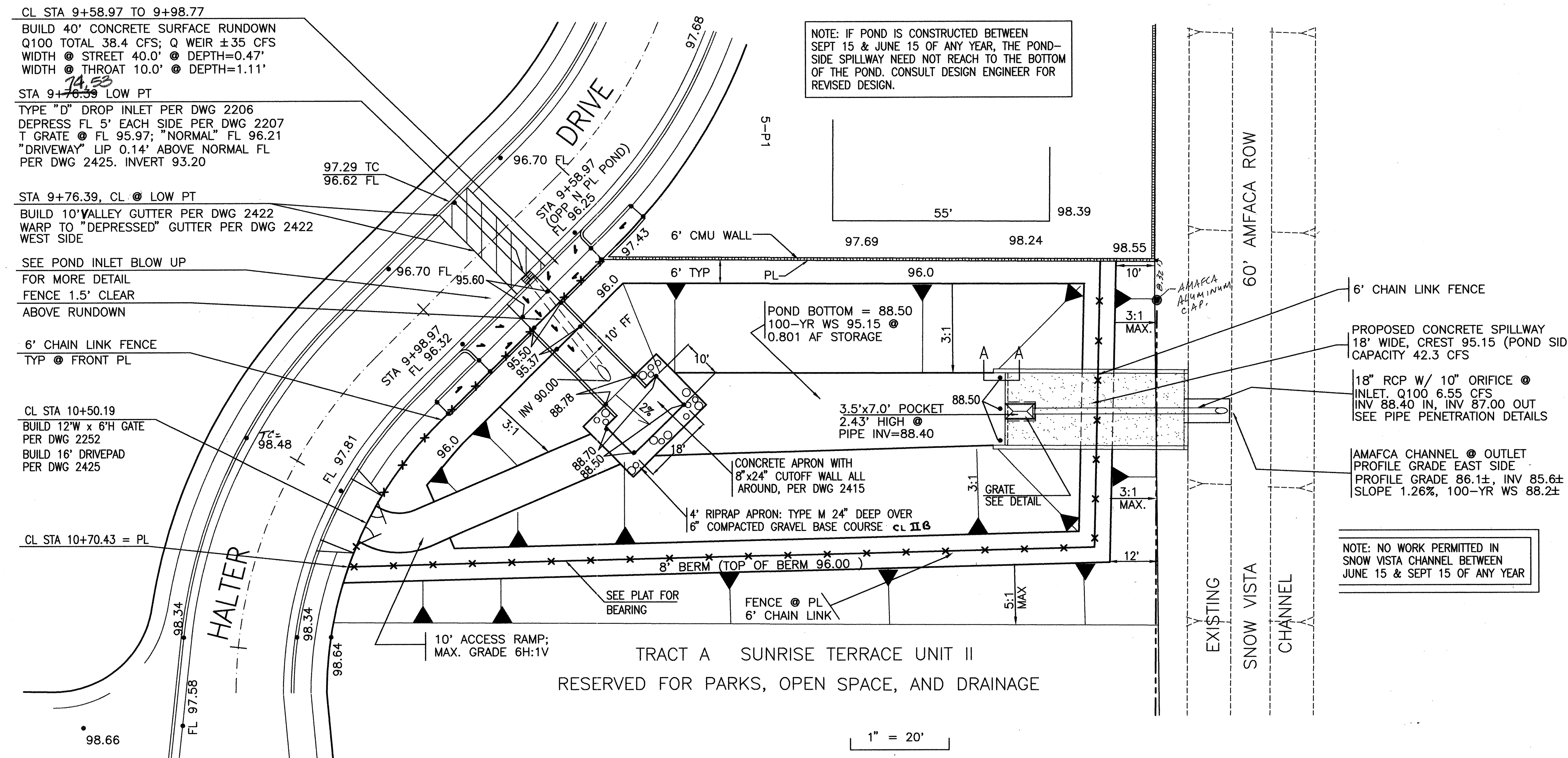
RYALS engineering & construction services
4929 Idiewilde S.E. Albuquerque, NM 87108
(505) 265–8267 269–1142 mobile telephone

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:
SUNRISE TERRACE UNIT III UTILITY PLAN AND PROFILE PASO FINO PLACE STA. 8+00.00 – 17+01.51

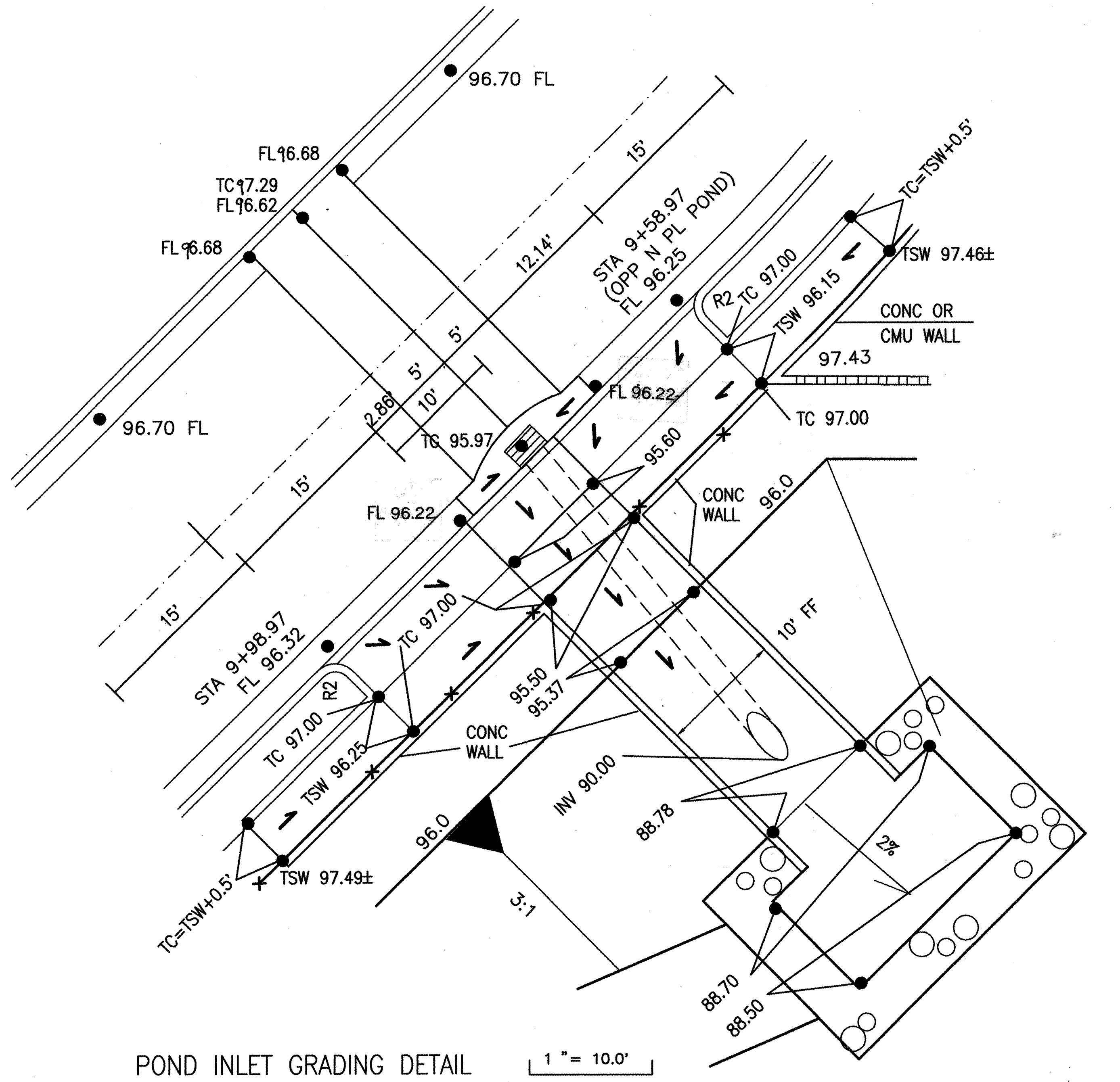
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIR	B.J. Goolsby	8-29-94	HYDROLOGY	Susan Calongne	8-9-94
WATER WASTE WATER	R.W. Kane	8-11-94	~~INSPECTION~~		
TRANSPORTATION	N/A RHD	8-12-94	PARKS + GENERAL SERV	Collen K. Fry	8-23-94

PROJECT NO. 4970.90
MAP NO. L–8
SHEET 25 OF 27

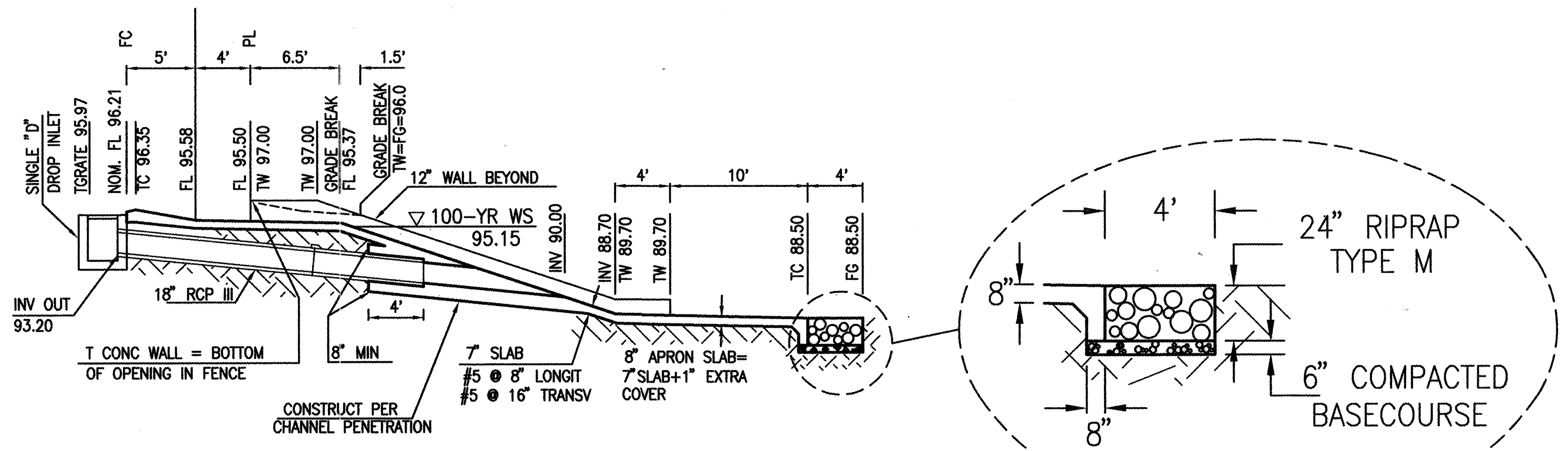


NOTE: IF POND IS CONSTRUCTED BETWEEN SEPT 15 & JUNE 15 OF ANY YEAR, THE POND-SIDE SPILLWAY NEED NOT REACH TO THE BOTTOM OF THE POND. CONSULT DESIGN ENGINEER FOR REVISED DESIGN.

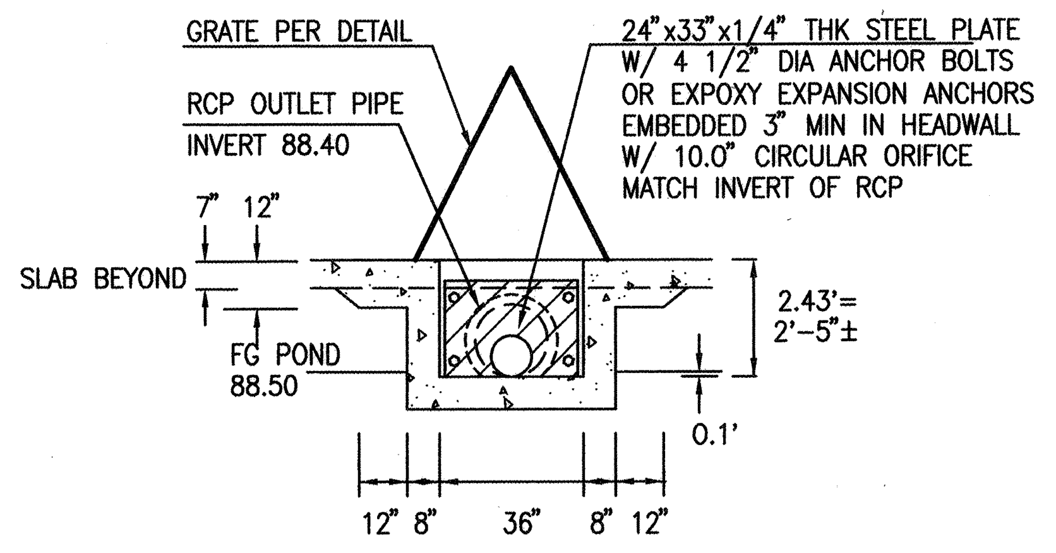
NOTE: NO WORK PERMITTED IN SNOW VISTA CHANNEL BETWEEN JUNE 15 & SEPT 15 OF ANY YEAR



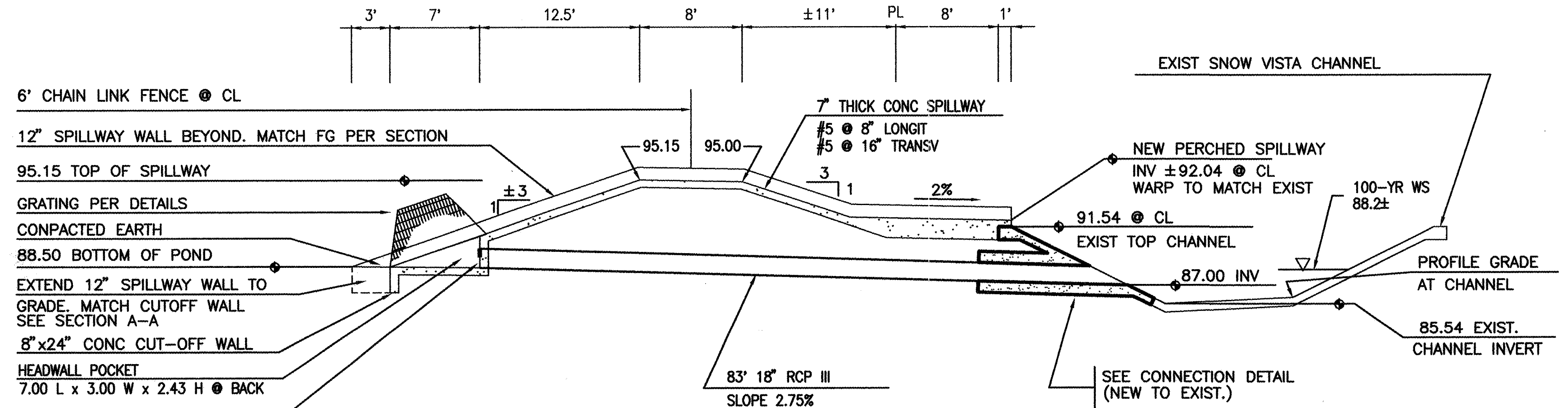
POND INLET GRADING DETAIL 1" = 10.0'



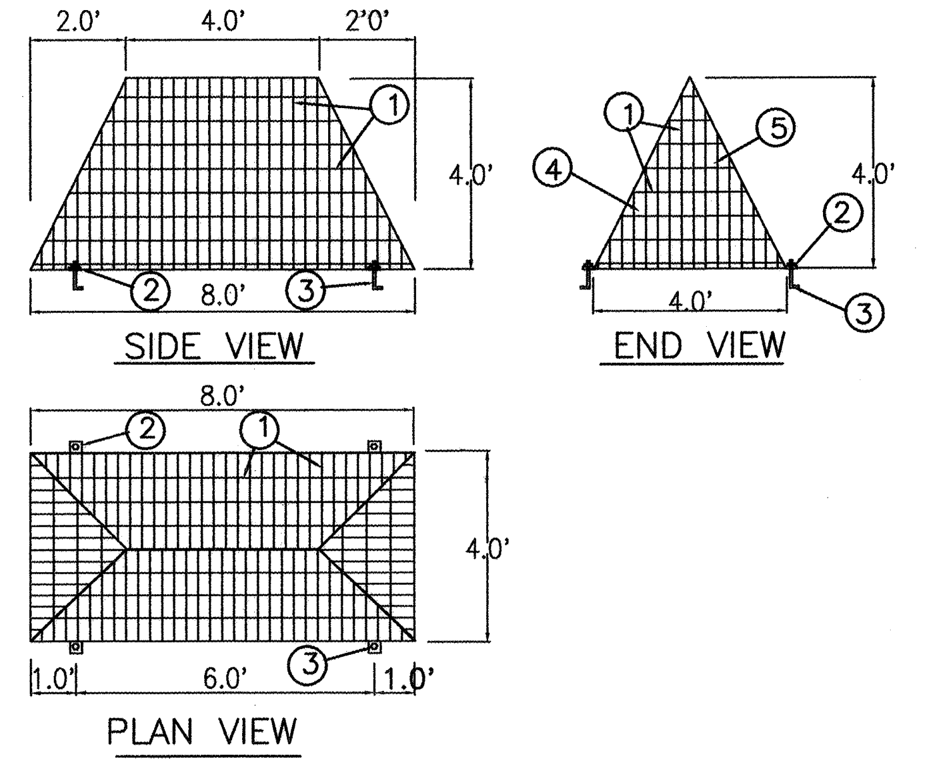
INLET RUNDOWN SECTION 1" = 10'


GRATE PER DETAIL
RCP OUTLET PIPE
INVERT 88.40
24"x33"x1/4" THK STEEL PLATE
W/ 4 1/2" DIA ANCHOR BOLTS
OR EXPOXY EXPANSION ANCHORS
EMBEDDED 3" MIN IN HEADWALL
W/ 10.0" CIRCULAR ORIFICE
MATCH INVERT OF RCP
7" 12"
SLAB BEYOND
FG POND 88.50
2.43'= 2'-5"±
0.1'
12" 8" 36" 8" 12"

OUTLET HEADWALL DETAIL 1 " = 4.0'

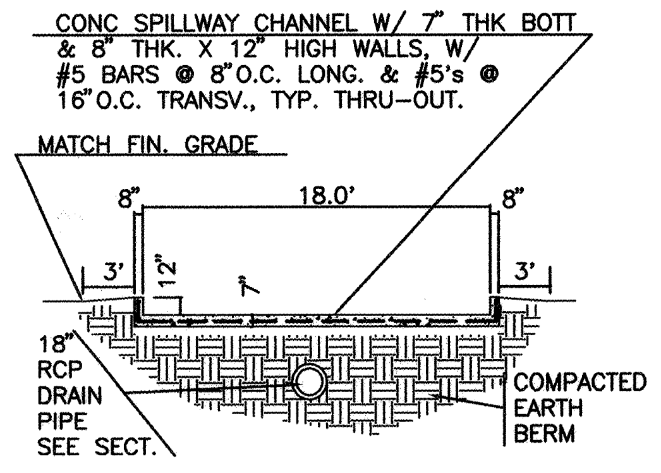


OUTLET SPILLWAY SECTION 1 "= 10.0'



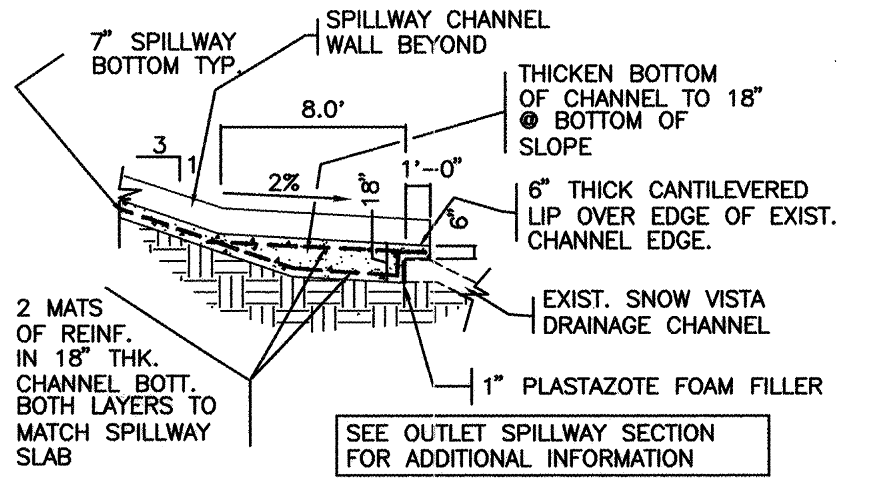
PROVIDE SHOP DWGS FOR APPROVAL PRIOR TO CONSTRUCTION. MFGR MAY ALTER DETAILS FOR FABRICATION CONVENIENCE.

REBAR GRATE DETAIL 1 " = 4.0'

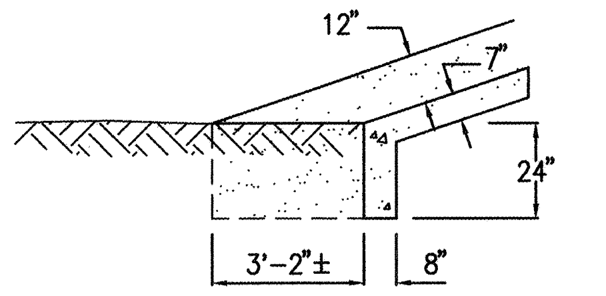

CONC SPILLWAY CHANNEL W/ 7" THK BOTT & 8" THK. X 12" HIGH WALLS, W/ #5 BARS @ 8"O.C. LONG. & #5's @ 16"O.C. TRANSV., TYP. THRU-OUT.
MATCH FIN. GRADE
8"
18.0'
8"
3'
12"
7"
3'
18" RCP DRAIN PIPE SEE SECT.
COMPACTED EARTH BERM

SPILLWAY SECTION 1 "= 10.0'

INLET SECTION SIMILAR–SEE PLAN FOR DIMENSIONS


7" SPILLWAY BOTTOM TYP.
SPILLWAY CHANNEL WALL BEYOND
THICKEN BOTTOM OF CHANNEL TO 18" @ BOTTOM OF SLOPE
8.0'
3
1
2%
18"
1'-0"
6"
6" THICK CANTILEVERED LIP OVER EDGE OF EXIST. CHANNEL EDGE.
EXIST. SNOW VISTA DRAINAGE CHANNEL
2 MATS OF REINF. IN 18" THK. CHANNEL BOTT. BOTH LAYERS TO MATCH SPILLWAY SLAB
1" PLASTAZOTE FOAM FILLER
SEE OUTLET SPILLWAY SECTION FOR ADDITIONAL INFORMATION

PERCHED RUNDOWN TO SNOW VISTA CHANNEL NO SCALE



SECTION A–A 1"= 4'

KEYED NOTES

① #4 REBAR GRATING WITH BARS AT 8"O.C. HORIZ. AND 3"O.C. VERT.

② 3"SQ. X 1/4" THICK TAB PLATE, WELDED TO REBAR WITH 3/4"DIA. BOLT HOLES (TYP. OF 4).

③ ANCHOR GRATE TO CONC. WITH 3/4"DIA. X 6" A.B.'s. (TYP. OF 4).

④ POND END GRATE TO PROVIDE SERVICE ACCESS PER APPROVED SHOP DRAWINGS

⑤ POND END GRATE TO HAVE SHIELDED LOCK BOX.

NOTES
PIPE PENETRATION

1. CONCRETE TO BE 3000 PSI PER C.O.A. SPEC SECTION 101
2. REINFORCING STEEL TO BE GRADE 60. ALL SUBGRADE AND BACKFILL TO BE PLACED AT 95% MODIFIED PROCTOR @ MOISTURE = OPTIMUM TO PLUS 3% OF OPTIMUM.
3. AMAFCA TO INSPECT STEEL PRIOR TO POURING PIPE COLLAR AND CHANNEL LINING. CALL JOHN KELLY AT 884-2215
4. NO WORK PERMITTED IN AMAFCA R.O.W. BETWEEN JUNE 15 & SEPTEMBER 15 OF ANY YEAR.

FILE 30394-C4
PLOTTED 8/5/94

AS BUILT INFORMATION

CONTRACTOR	HYDRO-SYSTEMS		
WORK STARTED BY	ALS, INC.	DATE	5/95
INSPECTOR'S ACCEPTANCE BY	Ryals Eng	DATE	5/95
FIELD VERIFICATION BY	ALS, INC.	DATE	5/95
DRAWINGS CORRECTED BY	ALS, INC.	DATE	5/95

MICRO-FILM INFORMATION

RECORDED BY
DATE
NO.

BENCH MARKS

ACS "3-L9" A 40 PENNY NAIL IN POWER POLE
#61 LOCATED ON THE WEST SIDE OF 98TH
STREET AND 450' SOUTH OF RYNO CT.
ELEV. = 5184.872

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

ROBERT RYALS
9436
Robert Ryals
8-4-94

REVISIONS

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY: THG DATE: 6/94
DRAWN BY: DJH, THG, PBD DATE: 6/94
CHECKED BY: BR DATE: 6/94

R Y A L S engineering & construction services
4929 Idiewilde S.E.
(505) 265–8267
Albuquerque, NM 87108
269–1142 mobile telephone

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

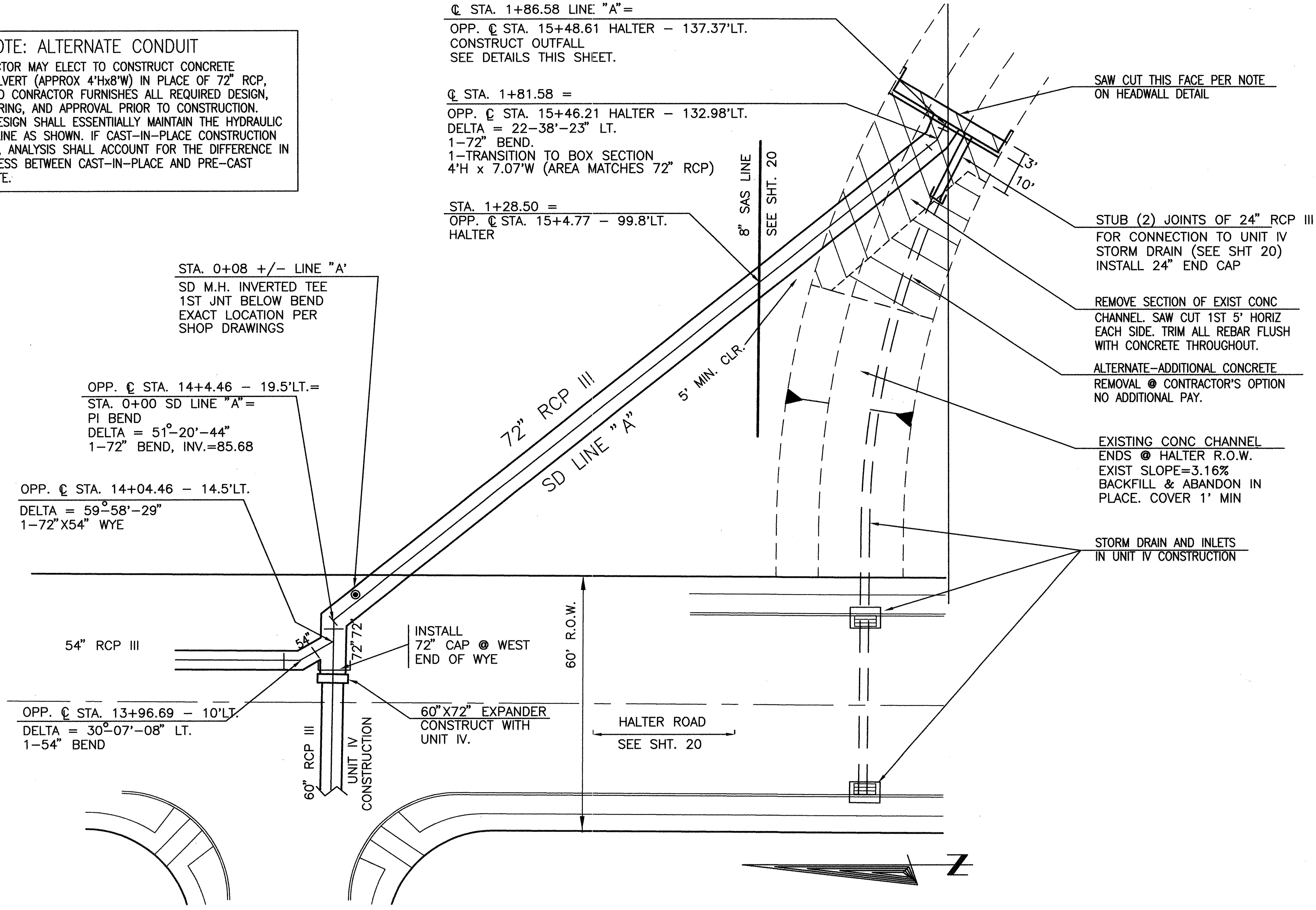
TITLE: SUNRISE TERRACE UNIT III
HALTER POND DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIR	B.J. Goolsby	8-29-94	HYDROLOGY	Susan Calongne	8-9-94
WATER WASTE WATER	N/A RWK	8-11-94	PARKS + GENERAL SERV.	Callen K. Fry	8-23-94
TRANSPORTATION	N/A RHD	8-12-94	AMAFCA	John Kelly	8/8/94

PROJECT NO. 4970.90
MAP NO. L-8
SHEET 26 OF 27

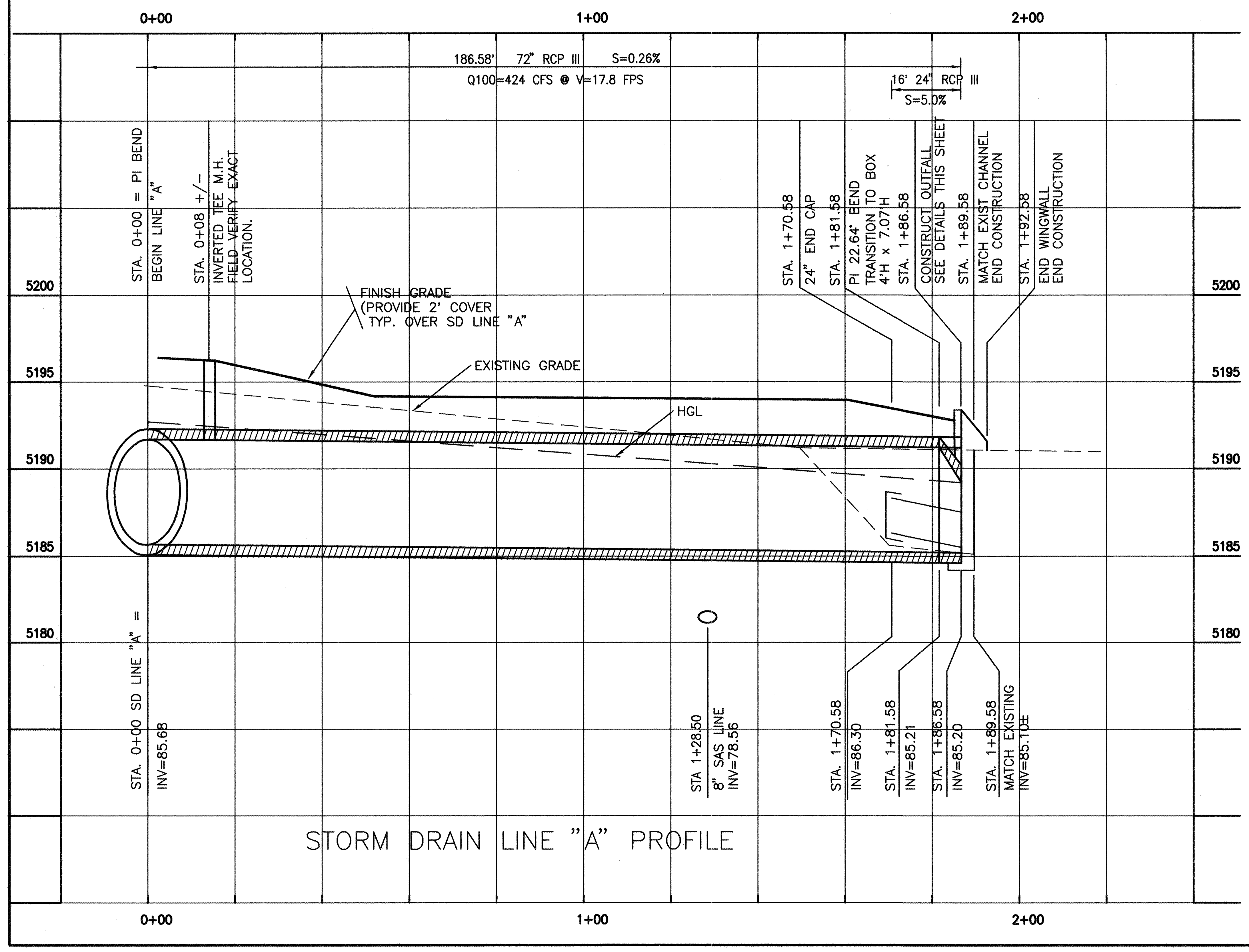
NOTE: ALTERNATE CONDUIT

CONTRACTOR MAY ELECT TO CONSTRUCT CONCRETE BOX CULVERT (APPROX 4'Hx8'W) IN PLACE OF 72" RCP, PROVIDED CONRACTOR FURNISHES ALL REQUIRED DESIGN, ENGINEERING, AND APPROVAL PRIOR TO CONSTRUCTION. SUCH DESIGN SHALL ESSENTIIALLY MAINTAIN THE HYDRAULIC GRADE LINE AS SHOWN. IF CAST-IN-PLACE CONSTRUCTION IS USED, ANALYSIS SHALL ACCOUNT FOR THE DIFFERENCE IN ROUGHNESS BETWEEN CAST-IN-PLACE AND PRE-CAST CONCRETE.

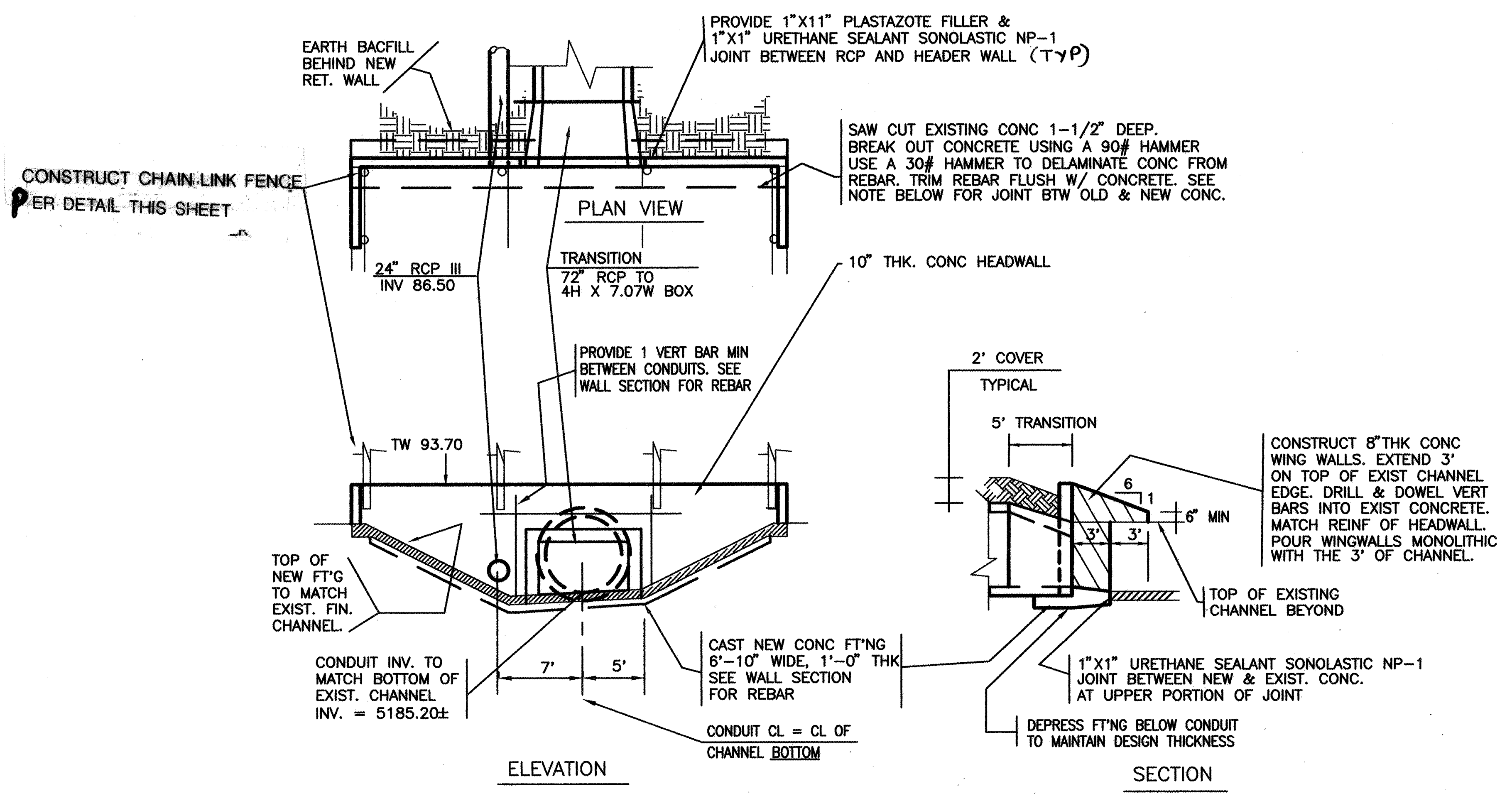


1" = 20.0'

STORM DRAIN LINE "A" PLAN

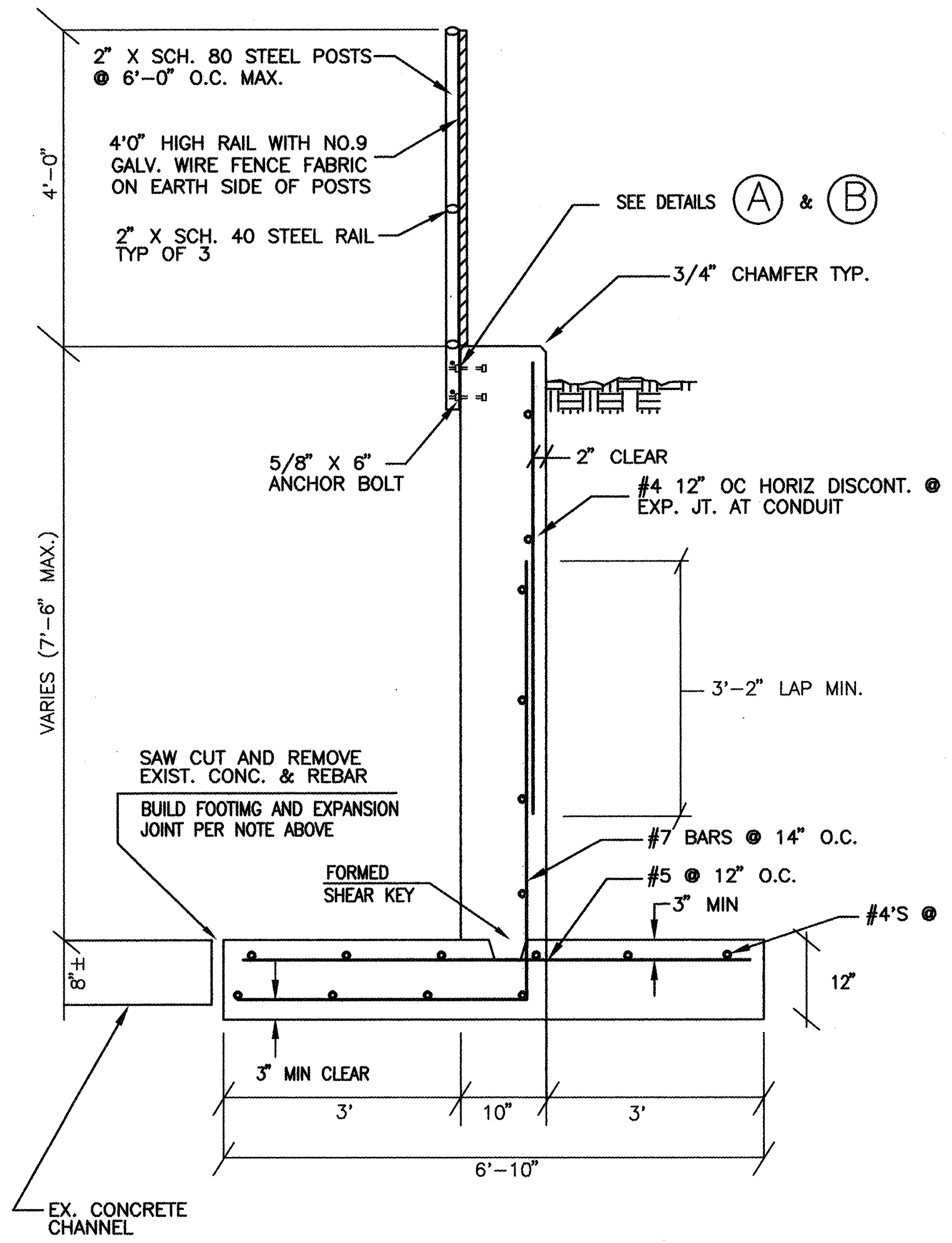


STORM DRAIN LINE "A" PROFILE



NEW HEADWALL @ EXISTING CHANNEL DETAIL

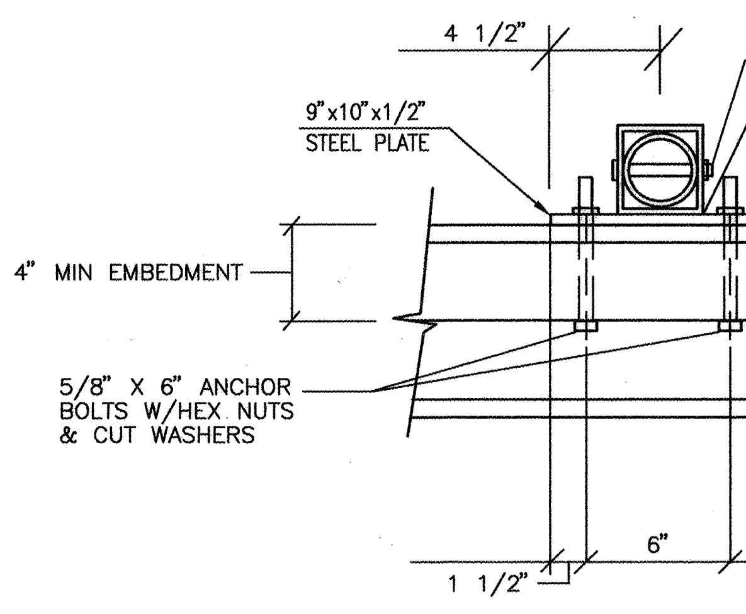
NOT TO SCALE APPROX 1"= 10'



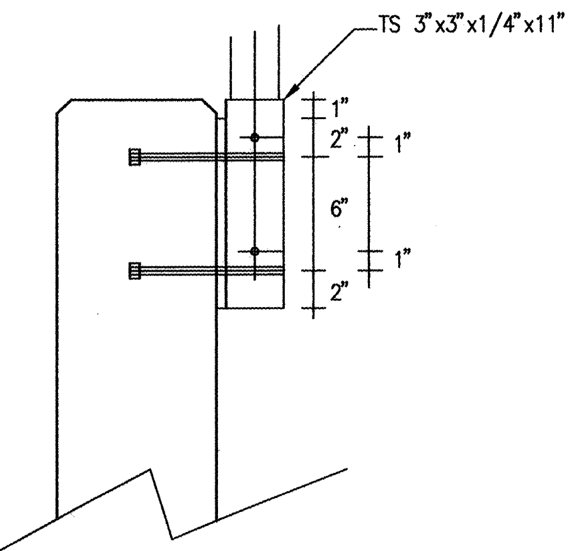
NOTES
HEADWALL & FOOTING

1. CONCRETE TO BE 3000 PSI PER C.O.A. SPEC SECTION 101
2. REINFORCING STEEL TO BE GRADE 60 ALL SUBGRADE AND BACKFILL TO BE EARTHWORK PLACED AT 95% MODIFIED PROCTOR & AT MOISTURE = OPTIMUM TO +3% OF OPTIMUM.
3. AMAFCA TO INSPECT STEEL PRIOR TO POURING HEADWALL AND CHANNEL LINING. CALL JOHN KELLY AT 884–2215

DETAIL A



DETAIL B



30394–C6 6–15–94
8–05–94

AS BUILT INFORMATION	
CONTRACTOR	HYDRO-SYSTEMS
WORK STATED BY	ALS INC. DATE 5/95
INSPECTOR'S ACCEPTANCE BY	B.Ralsiens DATE 5/95
FIELD VERIFICATION BY	ALS INC. DATE 5/95
DRAWINGS CORRECTED BY	ALS INC. DATE 5/95
MICRO–FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS

CITY OF ALBUQUERQUE SURVEY MONUMENT
"7–L9". LOCATED 200' SOUTH OF TOWER RD.
ON WEST ROW OF 98TH STREET
ELEV. = 5175.70

SURVEY INFORMATION		
FIELD NOTES		
NO.	BY	DATE

ENGINEER'S SEAL

ROBERT RYALS 9436

8-4-94

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN	
DESIGNED BY: THG	DATE: 6/94
DRAWN BY: DJH, THG, PBD	DATE: 6/94
CHECKED BY: BR	DATE: 6/94

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

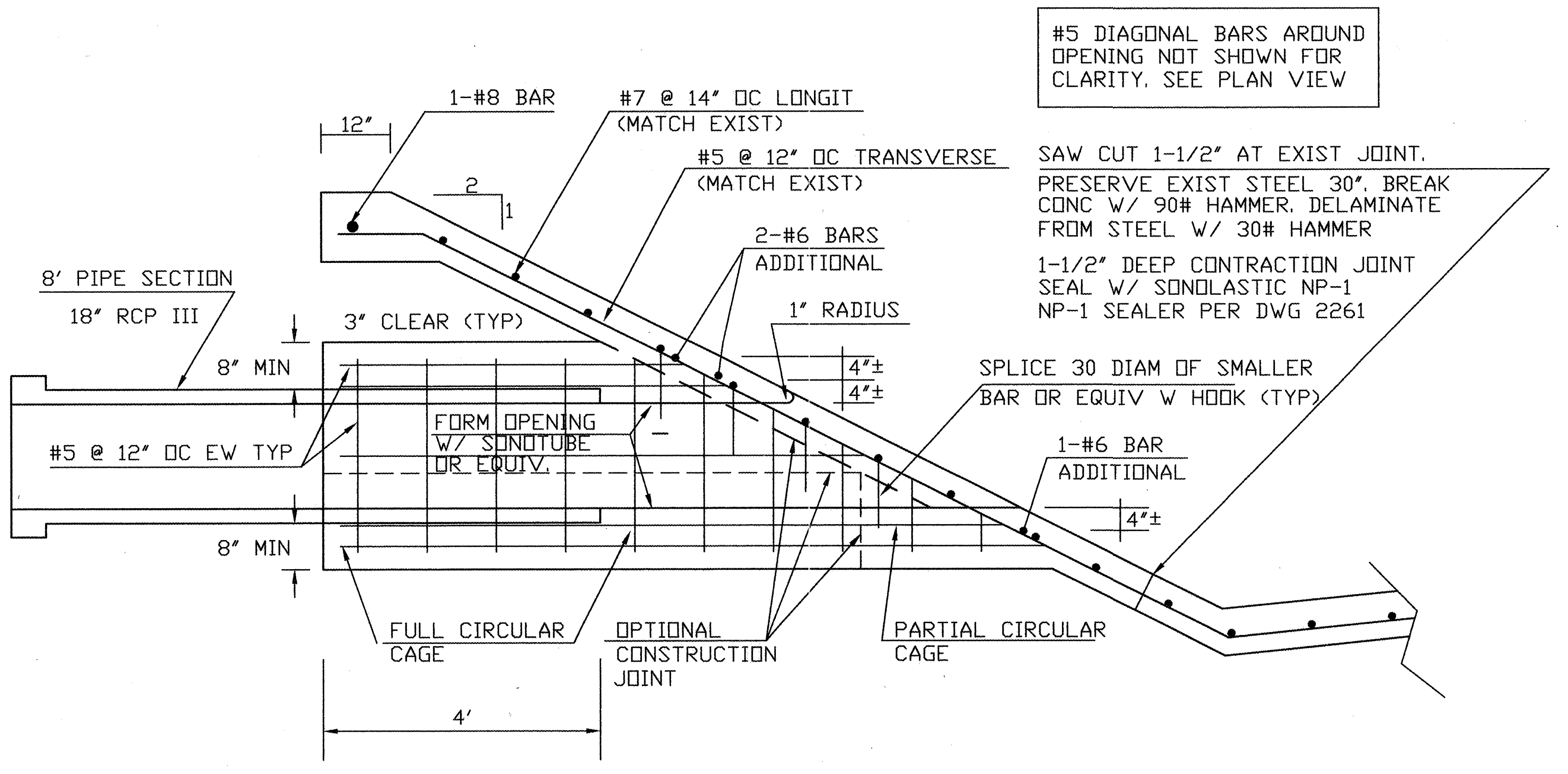
TITLE: SUNRISE TERRACE UNIT III
SD LINE "A" PLAN, PROFILE & DETAILS
(STA. 0+00.00 – STA. 1+86.58)

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIR	B.J. Goolsby	8-29-94	HYDROLOGY	Susan Calongne	8-9-94
WATER WASTE WATER	N/A RWK	8-11-94	PARKS + GENERAL SERV.	Calle K. Fry	8-23-94
TRANSPORTATION	N/A CHD	8-12-94	AMAFCA	John Kelly	8/8/94

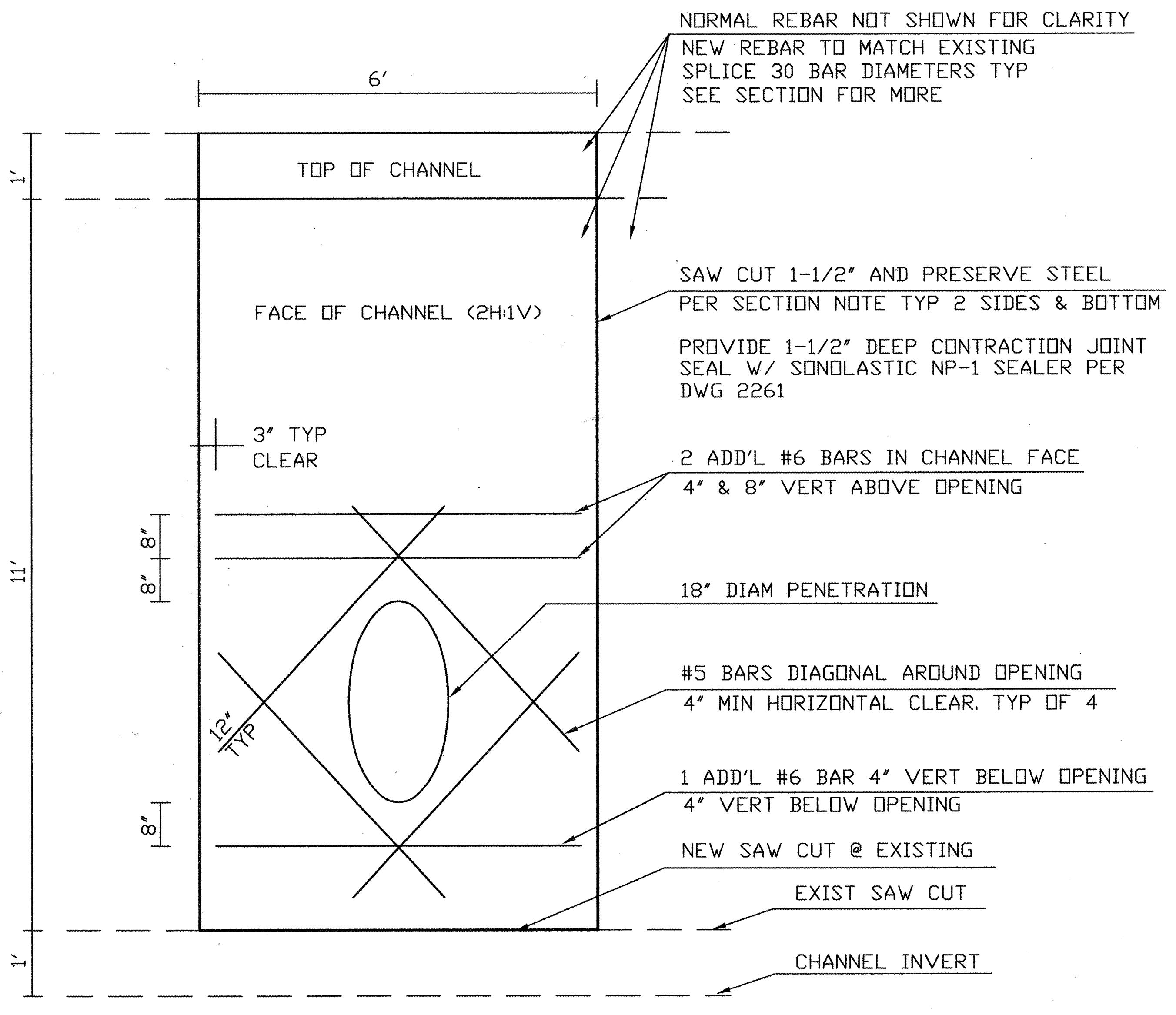
PROJECT NO. 4970.90 MAP NO. L–8 SHEET 27 OF 27

SCANNED BY MESA REPRO

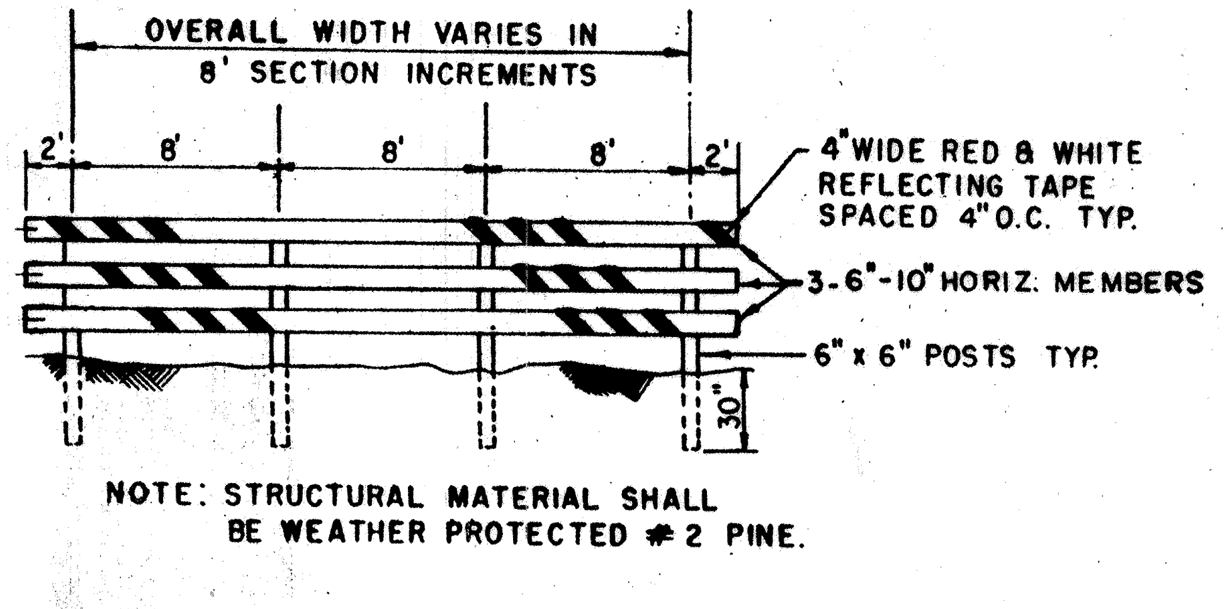
SCANNED BY
MESA REPRO


#5 DIAGONAL BARS AROUND OPENING NOT SHOWN FOR CLARITY. SEE PLAN VIEW
12"
1-#8 BAR
#7 @ 14" OC LONGIT (MATCH EXIST)
#5 @ 12" OC TRANSVERSE (MATCH EXIST)
2
1
SAW CUT 1-1/2" AT EXIST JOINT.
PRESERVE EXIST STEEL 30". BREAK CONC W/ 90# HAMMER. DELAMINATE FROM STEEL W/ 30# HAMMER
1-1/2" DEEP CONTRACTION JOINT SEAL W/ SONOLASTIC NP-1 NP-1 SEALER PER DWG 2261
2-#6 BARS ADDITIONAL
1" RADIUS
8' PIPE SECTION
18" RCP III
3" CLEAR (TYP)
8" MIN
4"±
4"±
SPLICE 30 DIAM OF SMALLER BAR OR EQUIV W HOOK (TYP)
FORM OPENING W/ SONOTUBE OR EQUIV.
#5 @ 12" OC EW TYP
1-#6 BAR ADDITIONAL
4"±
8" MIN
FULL CIRCULAR CAGE
OPTIONAL CONSTRUCTION JOINT
PARTIAL CIRCULAR CAGE
4'

SECTION 1"=2'
18" DIAM 90° PIPE PENETRATION


6'
NORMAL REBAR NOT SHOWN FOR CLARITY
NEW REBAR TO MATCH EXISTING
SPLICE 30 BAR DIAMETERS TYP
SEE SECTION FOR MORE
1'
TOP OF CHANNEL
FACE OF CHANNEL (2H:1V)
SAW CUT 1-1/2" AND PRESERVE STEEL PER SECTION NOTE TYP 2 SIDES & BOTTOM
PROVIDE 1-1/2" DEEP CONTRACTION JOINT SEAL W/ SONOLASTIC NP-1 SEALER PER DWG 2261
3" TYP CLEAR
11'
8"
8"
2 ADD'L #6 BARS IN CHANNEL FACE
4" & 8" VERT ABOVE OPENING
18" DIAM PENETRATION
12" TYP
#5 BARS DIAGONAL AROUND OPENING
4" MIN HORIZONTAL CLEAR. TYP OF 4
8"
1 ADD'L #6 BAR 4" VERT BELOW OPENING
4" VERT BELOW OPENING
NEW SAW CUT @ EXISTING
EXIST SAW CUT
1'
CHANNEL INVERT

PLAN VIEW 1"=2'
18" DIAM 90° PIPE PENETRATION


OVERALL WIDTH VARIES IN 8' SECTION INCREMENTS
2'
8'
8'
8'
2'
4" WIDE RED & WHITE REFLECTING TAPE SPACED 4" O.C. TYP.
3-6"-10" HORIZ. MEMBERS
6" x 6" POSTS TYP.
30"

NOTE: STRUCTURAL MATERIAL SHALL BE WEATHER PROTECTED #2 PINE.

BARRICADE DETAIL

N.T.S.

NOTES
PIPE PENETRATION

1. CONCRETE TO BE 4000 PSI PER C.O.A. SPEC SECTION 101
2. REINFORCING STEEL TO BE GRADE 60. ALL SUBGRADE AND BACKFILL TO BE PLACED AT 95% MODIFIED PROCTOR @ MOISTURE = OPTIMUM TO PLUS 3% OF OPTIMUM.
3. AMAFCA TO INSPECT STEEL PRIOR TO POURING PIPE COLLAR AND CHANNEL LINING. CALL JOHN KELLY AT 884-2215
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AS BUILT INFORMATION
CONTRACTOR HYDRO-SYSTEMS
WORK STATED BY ALS, INC. DATE 5/95
INSPECTOR'S ACCEPTANCE BY Ryals Eng DATE 5/95
FIELD VERIFICATION BY ALS, INC. DATE 5/95
DRAWINGS CORRECTED BY ALS, INC. DATE 5/95
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
CITY OF ALBUQUERQUE SURVEY MONUMENT
"7-L9". LOCATED 200' SOUTH OF TOWER RD.
ON WEST ROW OF 98TH STREET
ELEV. = 5175.70

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
ROBERT RYALS 9436
8-3-94

REMARKS
NO. DATE BY
REVISIONS
DESIGN
DESIGNED BY: THG DATE: 6/94
DRAWN BY: DJH, THG DATE: 6/94
CHECKED BY: BR DATE: 6/94

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(505) 265-8267 269-1142 mobile telephone

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:
SUNRISE TERRACE UNIT III
MISCELLANEOUS DETAILS
(AND PIPE PENETRATION)

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIR	B.J. Goolsby	8-29-94	HYDROLOGY	Susan Calongne	8-9-94
WATER WASTE WATER	R.W. Kane	8-11-94	PARKS + GENERAL SERV.	Callent Fy	8-23-94
TRANSPORTATION	W/A RHD	8-12-94	AMAFCA	John Kelly	8/8/94

PROJECT NO. 4970.90
MAP NO. L-8
SHEET 27-A OF 27

FILE – PENPIPE
PLOTTED 8/5/94