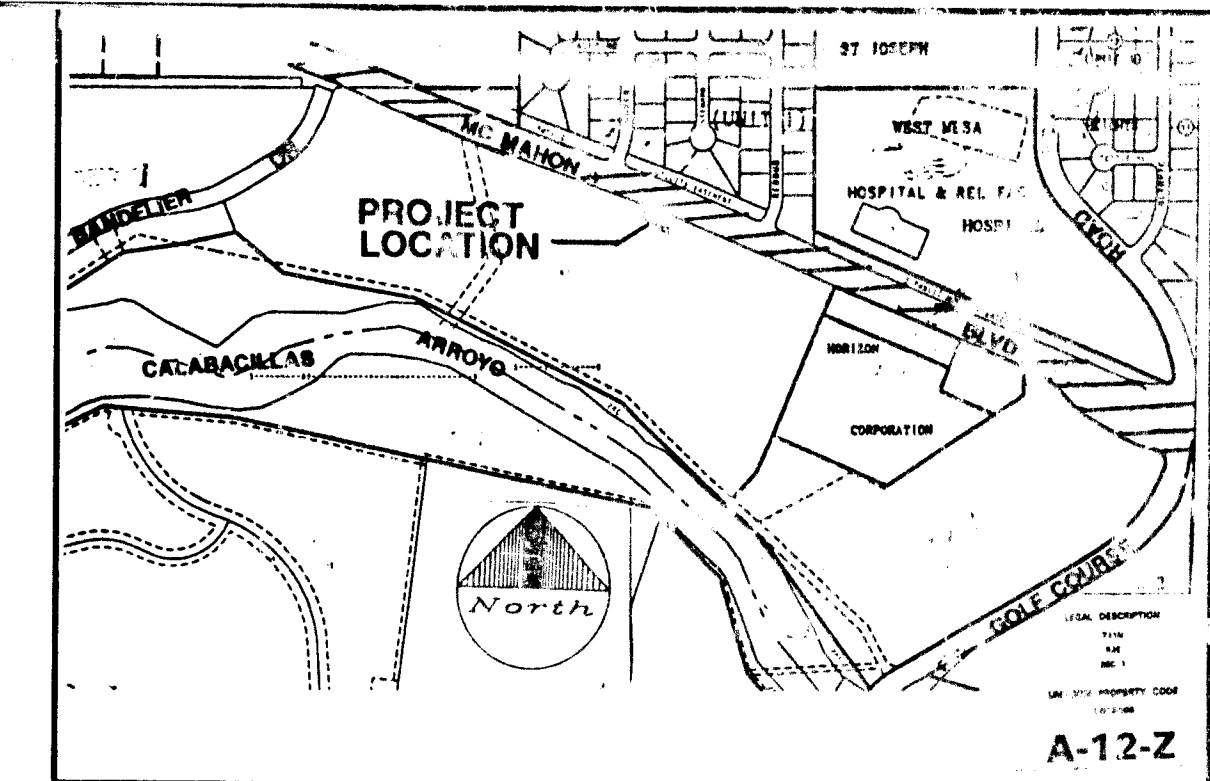
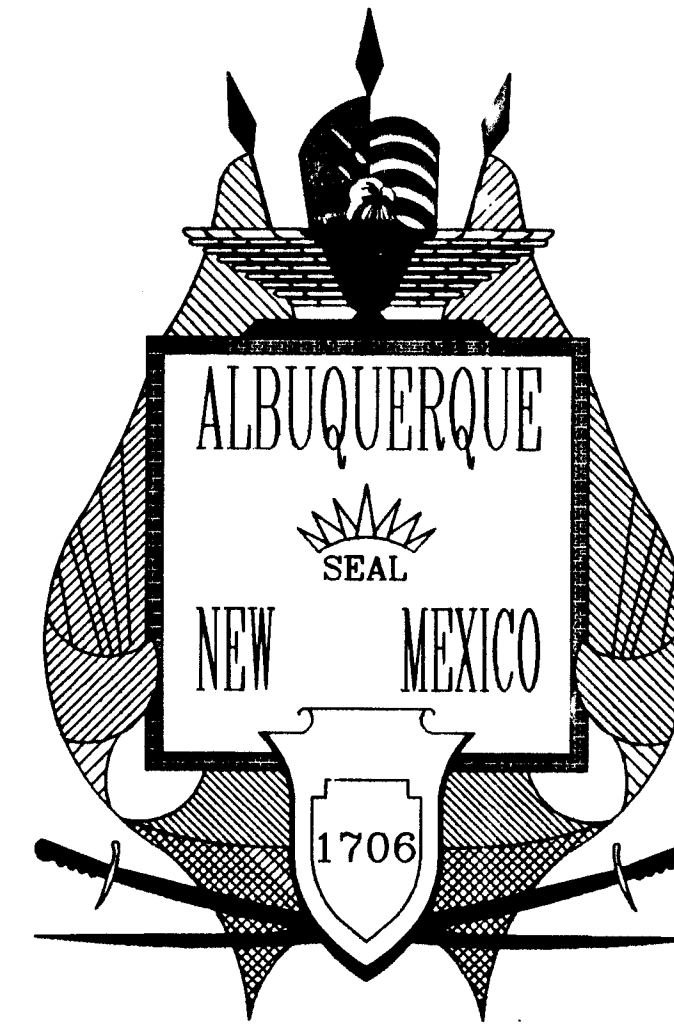




VICINITY MAP
N.T.S.

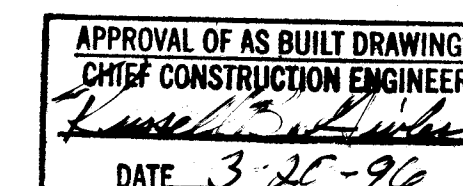
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT PLANS FOR CONSTRUCTION

MC MAHON BOULEVARD RECONSTRUCTION FROM BANDELIER DRIVE TO GOLF COURSE ROAD

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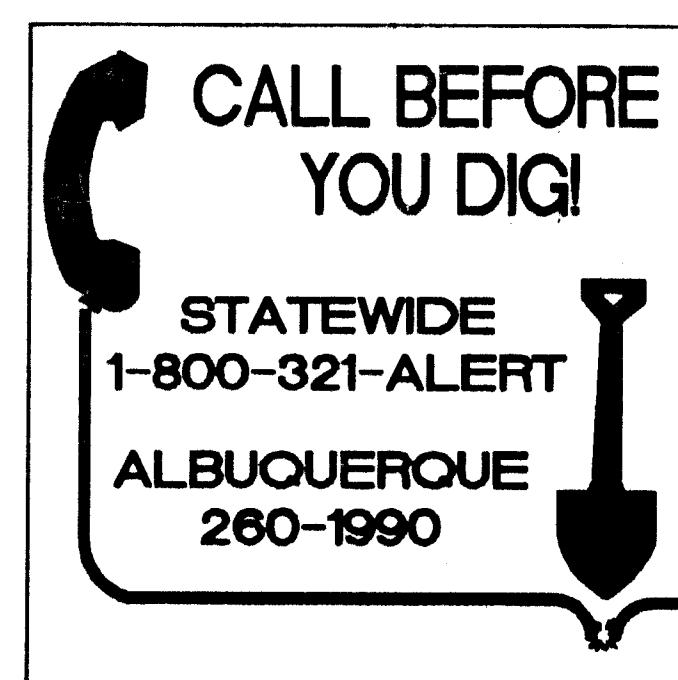
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CURB WEST, INC.

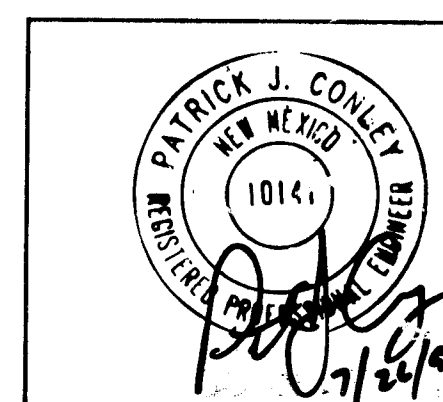
6301 INDIAN SCHOOL ROAD
SUITE 680
ALBUQUERQUE, NM 87110

REV.	SHEETS	N.M. UTILITY CO.	DATE	REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

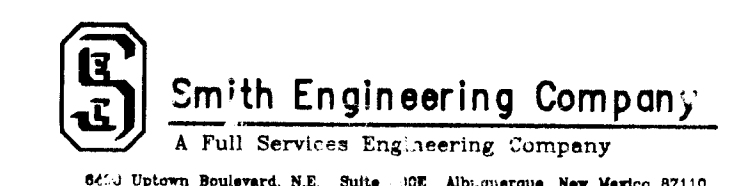
APPROVAL OF REVISIONS



SCANNED BY
BY LASON



PROJECT NO. 94-81-01



PROJECT NO.

5208.90

APPROVED FOR
CONSTRUCTION

8/23/95 C.E.

SHEET 1 OF 1

GENERAL NOTES

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL BE 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 THROUGH UPDATE #5.
- EXPLORATORY TRENCHING MAY BE REQUIRED TO MORE SPECIFICALLY LOCATE UTILITY LINES DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE TO COORDINATE THE LOCATION OF UTILITIES WITH THE AFFECTED UTILITY COMPANIES. THE COST OF THIS WORK WILL BE CONSIDERED INCIDENTAL TO OTHER ITEMS OF WORK AND NO DIRECT PAYMENT WILL BE MADE THEREFOR.
- ELEVATIONS ARE SHOWN IN FEET ABOVE MEAN SEA LEVEL DATUM.
- ALL STATIONING REFERS TO CENTERLINE OR BASELINE OF CONSTRUCTION AND IS THE MEASURED HORIZONTAL DISTANCE. LEFT AND RIGHT OF CENTERLINE ARE LOOKING IN THE DIRECTION OF INCREASING STATION.
- WHEN COORDINATES ARE SHOWN HEREIN (N.E.), THEY REFER TO A MODIFIED NEW MEXICO STATE PLAT (LOCAL ZONE) GRID COORDINATE SYSTEM ESTABLISHED FOR THIS PROJECT EXCEPT WHEN SPECIFICALLY REFERRED TO AS STATE GRID. COORDINATES ARE BASED ON TRUE GROUND DISTANCES AND STATION GRID BEARINGS FROM THE STATE GRID COORDINATE SYSTEM. PROJECT COMBINED GROUND-TO-GRID FACTOR IS 0.99967808.
- ALL EXPOSED CONCRETE EDGES SHALL BE CHAMFERED 3/4 INCH UNLESS NOTED OR UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI-301, LATEST EDITION, AS MODIFIED BY THE CONTRACT DOCUMENTS. REINFORCING BAR SPACING IS CENTER TO CENTER OF BARS. BAR COVER IS CLEAR DISTANCE BETWEEN SURFACE OF BAR AND FACE OF CONCRETE AND SHALL BE MINIMUM OF TWO INCHES FOR FORMED SURFACES AND THREE INCHES FOR SURFACES PLACED AGAINST THE EARTH UNLESS OTHERWISE SHOWN.
- REINFORCING BARS SHALL BE CONTINUOUS OR SPLICED FROM SLABS AND WALLS INTO ADJACENT SLABS AND WALLS.
- REINFORCING BARS SHALL BE DETAILED BY THE CONTRACTOR IN CONFORMANCE WITH THE MOST CURRENT EDITIONS OF ACI-318, ACI-315, AND ACI-318R. THE CONTRACTOR SHALL SUBMIT REINFORCEMENT PLACEMENT DRAWINGS (SHOP DRAWINGS) FOR ENGINEER'S REVIEW BEFORE BEGINNING FABRICATION OF THE REINFORCEMENT. WHERE SPICE LENGTHS ARE NOT SHOWN ON THE PLANS, CLASS B SPLICES WITH A MULTIPLIER OF 0.8 SHALL BE USED. BAR BENDS SHALL CONFORM TO ACI 318, CHAPTER 7, WITH 90 AND 180 DEGREE BENDS HAVING A MINIMUM EXTENSION AS SET FORTH IN SECTION 7.1 OF ACI-318.
- A CONCRETE PLACEMENT SCHEDULE AND PROPOSED CONSTRUCTION JOINT LOCATIONS SHALL BE SUBMITTED BY THE CONTRACTOR FOR REVIEW BY THE ENGINEER BEFORE REINFORCING BARS ARE DETAILED. OF SEQUENCE OF POURS MUST BE SUCH THAT SHRINKAGE WILL BE MINIMIZED. MAXIMUM LENGTH BETWEEN CONTRACTION/CONSTRUCTION JOINTS SHALL BE 35 FT.
- A GEOTECHNICAL INVESTIGATION REPORT WAS PREPARED FOR THIS PROJECT AND IS AVAILABLE FOR EXAMINATION AT THE OFFICE OF VINYARD & ASSOCIATES, INC. AT 4415 HAWKINS NE, ALBUQUERQUE, NEW MEXICO, INCLUDING LOGS OF TEST BORINGS. THE CONTRACTOR IS EXPECTED TO EXAMINE THE SITE AND DETERMINE FOR HIMSELF THE CHARACTER OF MATERIALS TO BE ENCOUNTERED. SOILS ARE CLASSIFIED IN ACCORDANCE WITH THE UNIFIED SOILS CLASSIFICATION SYSTEM.
- THE CONTRACTOR SHALL CONFINE HIS OPERATIONS TO THE CONSTRUCTION LIMITS OF THE PROJECT AND WILL BE HELD RESPONSIBLE FOR ANY DAMAGE BY HIS OPERATION TO PUBLIC OR PRIVATE PROPERTY, INCLUDING UTILITIES.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE A WASTE AREA FOR SURPLUS OR UNSUITABLE MATERIALS. NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE FOR MATERIALS HAULED TO OR PLACED AT SUCH WASTE AREA.
- THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN HIS CONSTRUCTION AREAS DURING THE ENTIRE LIFE OF THE PROJECT.
- THERE WILL BE NO MEASUREMENT OR PAYMENT FOR ANY ITEMS OF WORK NOT SPECIFICALLY LISTED IN THE UNIT PRICE BID PROPOSAL. ALL OTHER ITEMS OF WORK OR MATERIALS REASONABLY ANTICIPATED TO BE REQUIRED TO COMPLETE THE PROJECT SHALL BE CONSIDERED INCIDENTAL TO OTHER ITEMS OF WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF HIS WORK FROM RAINFALL, STORM DRAINAGE, OR FLOOD SO THAT IT DOES NOT DELAY CONSTRUCTION OR DAMAGE COMPLETED WORK OR DOWNSTREAM OR ADJACENT PROPERTIES.
- OWNER IS RESPONSIBLE FOR SECURING OF PERMANENT EASEMENT OR RIGHTS-OF-WAY, HIGHWAY DEPARTMENT PERMISSION, AND TEMPORARY CONSTRUCTION EASEMENTS AS SHOWN ON THE PLANS FOR CONSTRUCTION, BUT CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION ACTIVITIES WHICH MAY REQUIRE ADDITIONAL PERMISSION OR PERMITS FROM OTHERS.
- LIMITS OF CLEARING AND GRUBBING, AND LIMITS FOR RESEEDING DISTURBED AREAS SHOWN ON THE PLANS, ARE BASED ON ANTICIPATED CONTRACTOR OPERATIONS. ACTUAL LIMIT SHALL BE DETERMINED AT THE PRECONSTRUCTION CONFERENCE BASED ON PROPOSED CONTRACTOR OPERATIONS FOR TRENCHING, STAGING AREAS, CONSTRUCTION YARD, ETC. FINAL QUANTITIES SHALL BE BASED ON LIMITS AS APPROVED BY THE OWNER.
- ALL TRAFFIC CONTROL DEVICES INSTALLED OR USED DURING THE CONSTRUCTION OF THE PROJECT MUST CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION, AND ERECTED AND MAINTAINED BY THE CONTRACTOR'S SAFETY REPRESENTATIVE. CONSTRUCTION TRAFFIC CONTROL SHALL COMPLY WITH SECTION 19 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL PROVIDE A PROPOSED CONSTRUCTION PROGRESS SCHEDULE AT THE PRECONSTRUCTION CONFERENCE FOR REVIEW BY THE OWNER AND THE ENGINEER. ADDITIONAL OR SUPPLEMENTAL SCHEDULES MAY BE REQUIRED AS THE PROJECT PROGRESSES AT THE REQUEST OF EITHER THE OWNER OR THE ENGINEER.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ACCESS TO ALL PUBLIC AND PRIVATE FACILITIES ADJACENT TO THE CONSTRUCTION AREA, BUT PEDESTRIAN TRAFFIC IN ACCORDANCE WITH SECTION 19 OF THE STANDARD SPECIFICATIONS.
- ALL WORK ASSOCIATED WITH SUPPLYING AND INSTALLING ELECTRICAL CONDUIT SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR.
- DURING BACKFILLING, THE CONTRACTOR SHALL BE LIMITED TO THE USE OF HAND OPERATED CONSTRUCTION EQUIPMENT WITHIN A ZONE OF 5 FEET HORIZONTALLY FROM THE BACK OF THE WALL OF CONCRETE STRUCTURES.
- THE LIMITS OF PAVEMENT, CURB AND GUTTER, AND SIDEWALK REMOVALS AND REPLACEMENT AS SHOWN HEREIN, ARE BASED ON ANTICIPATED CONTRACTOR OPERATIONS FOR TRENCHING, BUT ARE CONSIDERED TO BE MAXIMUMS. ACTUAL LIMITS WILL DEPEND ON THE CONTRACTOR'S TRENCHING METHODS USED. ANY REMOVALS WHICH EXCEED THE LIMITS NECESSARY TO CONDUCT THE CONTRACTOR'S OPERATIONS OR WHICH EXCEED THE LIMITS SHOWN ON THESE PLANS MUST BE APPROVED BY THE OWNER PRIOR TO REMOVAL. PAYMENT WILL BE MADE FOR REMOVAL AND REPLACEMENT OF APPROVED ITEMS ONLY AND WILL BE BASED ON ACTUAL QUANTITIES MEASURED IN THE FIELD.
- STRUCTURAL DESIGN DATA DESIGN IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE (ACI-318-89) BUILDING CODE REQUIREMENT FOR REINFORCED CONCRETE AND TECHNICAL RELEASE NO. 87(6/80), BY U.S.D.A. SOIL CONSERVATION SERVICE, AND AMERICAN INSTITUTE OF STEEL CONSTRUCTION, MANUAL OF STEEL CONSTRUCTION, 9TH EDITION.
- REINFORCED CONCRETE (STRENGTH DESIGN) $f'_c = 4000 \text{ PSI}$ @ 28 DAYS, $n = 8$
 $f_y = 60,000 \text{ PSI}$
REINFORCING STEEL: ASTM A-615 GRADE 60
STRUCTURAL STEEL: ASTM A-36, A-53, 500 & A-501
BUILDING DESIGN SHALL BE IN ACCORDANCE WITH UBC 30/25.
- ALL DATA SHOWN HEREIN CONCERNING EXISTING UTILITIES HAS BEEN OBTAINED FROM THE OWNERS OF THE UTILITIES, OR FROM RECORDS OF THE CITY OF ALBUQUERQUE, AND FROM FIELD OBSERVATIONS. THESE MAY OR MAY NOT BE ACCURATE. THE CONTRACTOR IS CAUTIONED THAT HE IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATIONS OF AND FOR PROVIDING PROTECTION OF ALL LINES DURING CONSTRUCTION. UTILITY RELOCATIONS REQUIRED BY THE CONSTRUCTION OF THIS PROJECT ARE TO BE COORDINATED BY THE CONTRACTOR. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCE CAUSED BY UTILITY COMPANY WORK CREWS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK. ANY DAMAGE TO LINES, VALVES, METERS, ETC. WILL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
- QUANTITIES SHOWN FOR THE VARIOUS UNIT PRICE BID ITEMS ARE FOR THE CONTRACTOR'S INFORMATION ONLY. PAYMENT SHALL BE BASED ON ACTUAL QUANTITIES AS CONSTRUCTED.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO KNOW AND COMPLY WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970, AS AMENDED.
- THE AIR POLLUTION CONTROL REGULATIONS OF THE ALBUQUERQUE BERNALILLO COUNTY AIR QUALITY CONTROL BOARD LIMIT EMISSION OF PARTICULATE MATTER AND THE USE OF CUTBACK ASPHALT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CLARIFY THESE RESTRICTIONS WITH THE ENVIRONMENTAL HEALTH DEPARTMENT PRIOR TO SUBMITTAL OF BIDS TO AVOID CONFLICTS WITH THE REGULATIONS. ANY REQUIRED PERMITS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL EXCAVATION SHALL BE GOVERNED BY FEDERAL STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- NOISE SUPPRESSION DEVICES SHALL BE KEPT IN WORKING ORDER ON ALL EQUIPMENT IN ACCORDANCE WITH ALL FEDERAL AND STATE REGULATIONS AND CITY ORDINANCES THROUGHOUT THE COURSE OF CONSTRUCTION.
- WATERING FOR DUST CONTROL AS REQUIRED, SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, AND NO MEASUREMENT OR PAYMENT SHALL BE MADE THEREFOR. CONSTRUCTION AREAS SHALL BE WATERED OR OTHERWISE KEPT DUST FREE. THE CONTRACTOR SHALL USE WATERING EQUIPMENT FOR DUST POLLUTION ABATEMENT AS DIRECTED BY THE PROJECT MANAGER.
- DURING NON-WORKING HOURS, CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAY OPENINGS ONTO PRIVATE PROPERTIES AND SHALL NOT BE PARKED WITHIN THE RIGHT-OF-WAY. THE CONSTRUCTION CLEAR ZONE FOR THIS PROJECT IS 15 FEET FROM THE EDGE OF THE OUTSIDE DRIVING LANE. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE CONSTRUCTION CLEAR ZONE.
- A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT ONE CALL LINE LOCATING SERVICE (280-1990) FOR FIELD LOCATIONS OF EXISTING UTILITIES.
- THE CONTRACTOR IS TO EXERCISE CARE WHEN REMOVING EXISTING PAVEMENT TO AVOID DISTURBING ANY EXISTING UNDERGROUND UTILITIES TO REMAIN. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION. ANY EXISTING UTILITIES OR SERVICES THAT DO NOT REQUIRE REMOVAL, RELOCATION AND ARE DAMAGED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE. THIS EXPENSE SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE PAYMENT WILL BE MADE.
- CURB AND GUTTER, SIDEWALKS AND DRIVEPADS SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT, WHICH ARE DAMAGED OR DIRECTED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, SUPPORTING AND MAINTAINING IN SERVICE ALL EXISTING UTILITIES.
- THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED BY HIM TO EXISTING VALVE BOXES, TRAFFIC CONDUIT AND MANHOLES DURING CONSTRUCTION AND SHALL REPAIR OR REPLACE CONSTRUCTION AND EXPENSE. THE CONTRACTOR SHALL PROTECT THE CURB AND GUTTER FROM INCIDENTAL SPLASHING DURING TACK COAT APPLICATION AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING THE SAME AT HIS OWN EXPENSE IN THE EVENT OF SPLASHING.
- ALL TIES TO EXISTING PAVEMENT SHALL BE A NEAT LINE SAW CUT JOINT. SAW CUT EXISTING PAVEMENT TO A STRAIGHT LINE AND AT RIGHT ANGLES TO REMOVE ANY BROKEN OR CRACKED PAVEMENT. EXISTING PAVEMENT SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO DIRECT PAYMENT WILL BE MADE THEREFOR.
- EXISTING CONCRETE DRIVEPADS, ASPHALTIC DRIVEWAYS AND PAVED PARKING LOTS SHALL BE SAW CUT TO A NEAT LINE WHERE MATCHED TO NEW CONSTRUCTION. EXISTING PAVEMENT SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO DIRECT PAYMENT WILL BE MADE THEREFOR. CURB AND GUTTER AND SIDEWALK SHALL BE REMOVED TO NEAREST JOINT.
- THE FIRE DEPARTMENT SHALL BE NOTIFIED 48 HOURS IN ADVANCE BY THE CONTRACTOR WHENEVER A FIRE HYDRANT IS TO BE REMOVED OR IS TO BE OUT OF SERVICE.
- ALL GAS VALVES, BOXES, GAS MANHOLES, ELECTRICAL MANHOLES, TELEPHONE MANHOLES AND UTILITY POLES WILL BE ADJUSTED TO GRADE OR RELOCATED BY OTHERS.
- UTILITY ADJUSTMENTS WILL BE DONE CONCURRENT WITH CONSTRUCTION BY UTILITY COMPANIES INVOLVED. THE CONTRACTOR IS HEREBY ADVISED THAT HE SHALL COORDINATE HIS WORK WITH RESPECTIVE UTILITY COMPANIES WITH ENOUGH TIME SO AS NOT TO IMPEDE HIS WORK.
- PRIOR TO CONSTRUCTION IN ANY PHASE, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS AND SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE SURVEYOR. IF DAMAGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- THE USE OF ADJUSTING RINGS WITHIN THE MANHOLE FRAMES TO ADJUST MANHOLE COVERS WILL NOT BE PERMITTED.
- CURB RAMP SHALL BE CONSTRUCTED IN ACCORDANCE WITH G.O.A. STD. DWGS. 2440 AND 2441. MEASUREMENT AND PAYMENT FOR CURB RAMP SHALL BE PER EQUIVALENT QUANTITY OF 4" SIDEWALK.
- CONCRETE SIDEWALKS, DRIVEPADS, CURB RAMP, CURB AND GUTTER, AND CONCRETE MEDIAN PAVEMENT SHALL BE CONSTRUCTED OF 4000 PSI PORTIONED CEMENT CONCRETE.
- JOINTS FOR CONCRETE PIPE SHALL BE OF THE FLEXIBLE WATERTIGHT "O-RING" GASKETED TYPE PER THE REQUIREMENTS OF SECTIONS 501.024 AND 501.033 OF THE STANDARD SPECIFICATIONS.
- ALL NEW STORM INLETS SHALL BE INSTALLED PER CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS AND CITY OF ALBUQUERQUE STANDARD DRAWINGS.
- SCHEDULING: ALL MECHANICAL ELECTRICAL AND CONTROL TESTING WILL BE WITNESSED BY THE OWNER. CONTRACTOR SHALL NOTIFY OWNER OF SUCH TESTS AT LEAST ONE (1) WEEK IN ADVANCE TO PERMIT THE OWNER TO WITNESS THE TESTING. ALL TRAINING MUST BE SCHEDULED AT LEAST TWO (2) WEEKS IN ADVANCE WITH THE CITY.
- SUBMITTALS: OWNER WILL REVIEW SUBMITTALS IN ADDITION TO ENGINEER. OWNER SHALL RETAIN RIGHT TO COMMENT ON ALL SUBMITTALS.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED IN KIND BY CONTRACTOR TO LOCATION AND IN KIND AS EXISTING OR AS INDICATED BY THIS PLAN SET.
- ALL CURB DIMENSIONS SHOWN ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
- SUBGRADE PREPARATION UNDER CURB AND GUTTERS, MEDIAN PAVEMENTS, SIDEWALKS AND DRIVEPADS SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF SUCH AND NO DIRECT PAYMENT SHALL BE MADE FOR THOSE ITEMS OF WORK.
- ALL MANHOLE FRAMES AND COVERS AND WATER VALVE FRAMES AND LIDS LEFT IN SERVICE WITHIN THE PROJECT LIMITS SHALL BE ADJUSTED TO GRADE WITH CONCRETE COLLARS IN ACCORDANCE WITH THE STANDARD DETAILS. PAYMENT FOR THIS WORK WILL BE MADE UNDER APPROPRIATE BID ITEMS.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALLS SYSTEM (280-1990) FOR LOCATION OF EXISTING UTILITIES.
- THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- ALL WORK ASSOCIATED WITH WATER AND SAS SHALL BE DONE IN ACCORDANCE WITH N.M.U.I. SPECIFICATIONS.
- CONTRACTOR SHALL NOTIFY N.M.U.I. 3 DAYS PRIOR TO CONSTRUCTION INVOLVING WATER AND SAS UTILITIES.
- N.M.U.I. SHALL REQUIRE A WARRANTY BOND TO N.M.U.I. FOR WATER AND SAS WORK.
- ANY WORK AFFECTING AN ARTERIAL ROADWAY WILL REQUIRE 24-HOUR / DAY CONSTRUCTION UNTIL WORK IN THE ARTERIAL IS COMPLETE.
- RESTRAINT FOR NEW WATERLINE IS BASED ON ASSUMED LOCATION OF EXISTING WATERLINE. CONTRACTOR SHALL NOTIFY ENGINEER WHEN CONNECTION POINTS ARE EXPOSED SO THAT ENGINEER MAY MODIFY RESTRAINT AS REQUIRED.
- CONTRACTOR SHALL RESEED AREAS DISTURBED DURING CONSTRUCTION. SLOPES @ 3:1 (H:V) SHALL BE RE-SEEDDED. SLOPES BETWEEN 2.5:1 AND 3:1 SHALL BE RE-SEEDDED AND GRAVEL MULCHED. ALL WORK AND MATERIALS SHALL CONFORM TO G.O.A. STD. SPECIFICATIONS, SECTION 1012.

FOR INFORMATION AND PROJECT COORDINATION WITH PRIVATE UTILITY COMPANIES CONTACT THE FOLLOWING INDIVIDUALS:

U.S. WEST COMMUNICATIONS
REBECCA OLSON
201 THIRD N.W.
P.O. BOX 1355, STA. 952
ALBUQUERQUE, NEW MEXICO
PHONE: (505) 245-8684

PUBLIC SERVICE CO. OF NEW MEXICO
JIM VANN
4201 EDITH BLVD. NE
ALBUQUERQUE, NEW MEXICO 87107
PHONE: (505) 848-3426

JONES INTERCABLE
KAREN SHORE
4811 MONTELEONE
P.O. BOX 27138
ALBUQUERQUE, NEW MEXICO 87125-7138
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GAS CO. OF NEW MEXICO
LEO COMBOY
4825 EDITH BLVD. NE
ALBUQUERQUE, NEW MEXICO 87107
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M.R.G.C.D.
SUBHAS K. SHAH, CHIEF ENGINEER
1931 SECOND STREET, SW
ALBUQUERQUE, NM
PHONE: (505) 247-0234

N.M.U.I.
808 GAYE
4700 IRVING BLVD NW
ALBUQUERQUE, NM
PHONE: (505) 898-2861

LEGEND:

- EXISTING ELECTRIC BOX
- E — oh — OVERHEAD ELECTRIC
- EXISTING POWER POLE
- GAS — EXISTING GAS
- W — EXISTING WATER
- W — NEW WATER
- EXISTING WATER VALVE
- NEW WATER VALVE
- EXISTING SANITARY
- EXISTING MANHOLE
- NEW MANHOLE
- T — ug — UNDERGROUND TELEPHONE
- 5263 — EXISTING GRADELINE
- 5265 — PROPOSED GRADELINE
- R/W — EXISTING RIGHT-OF-WAY
- ESMT — EXISTING EASEMENT
- EXISTING PAVEMENT
- NEW PAVEMENT
- NEW CONCRETE
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- RIGHT-OF-WAY
- EXISTING SIGN
- C.O.A. CITY OF ALBUQUERQUE
- FLOW DIRECTION
- EXISTING LIGHT STANDARD

26-5208.90 0296

Smith Engineering Company
A Full Service Engineering Company
6000 Wilshire, Redwood, N.E. Suite 2000 Albuquerque, New Mexico 87105

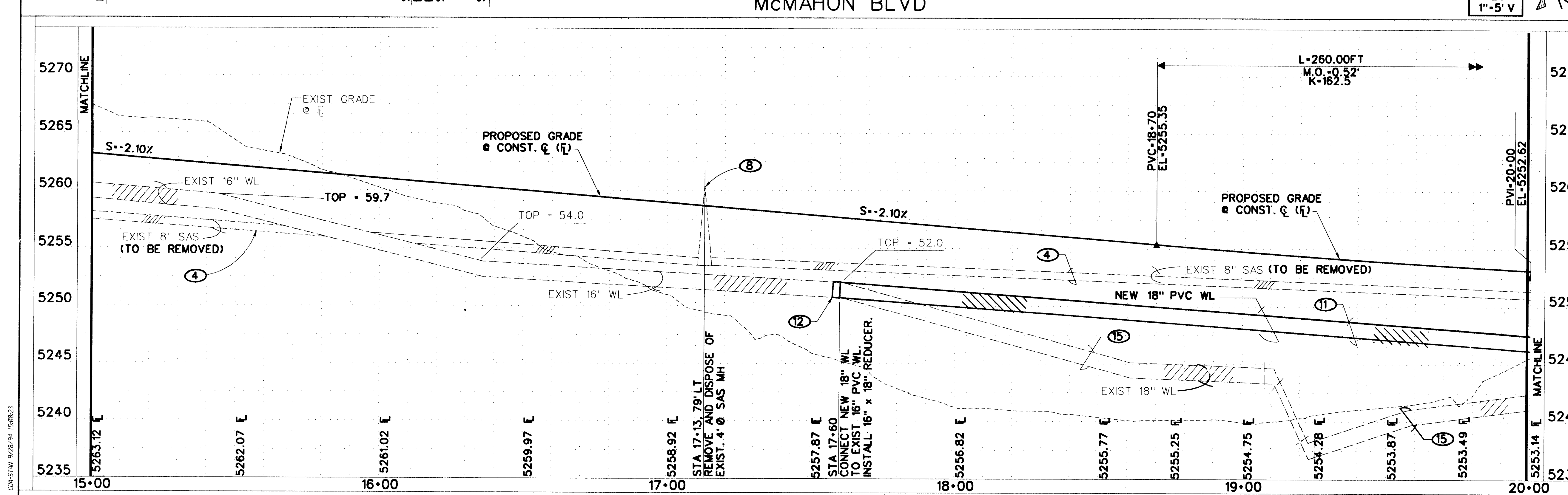
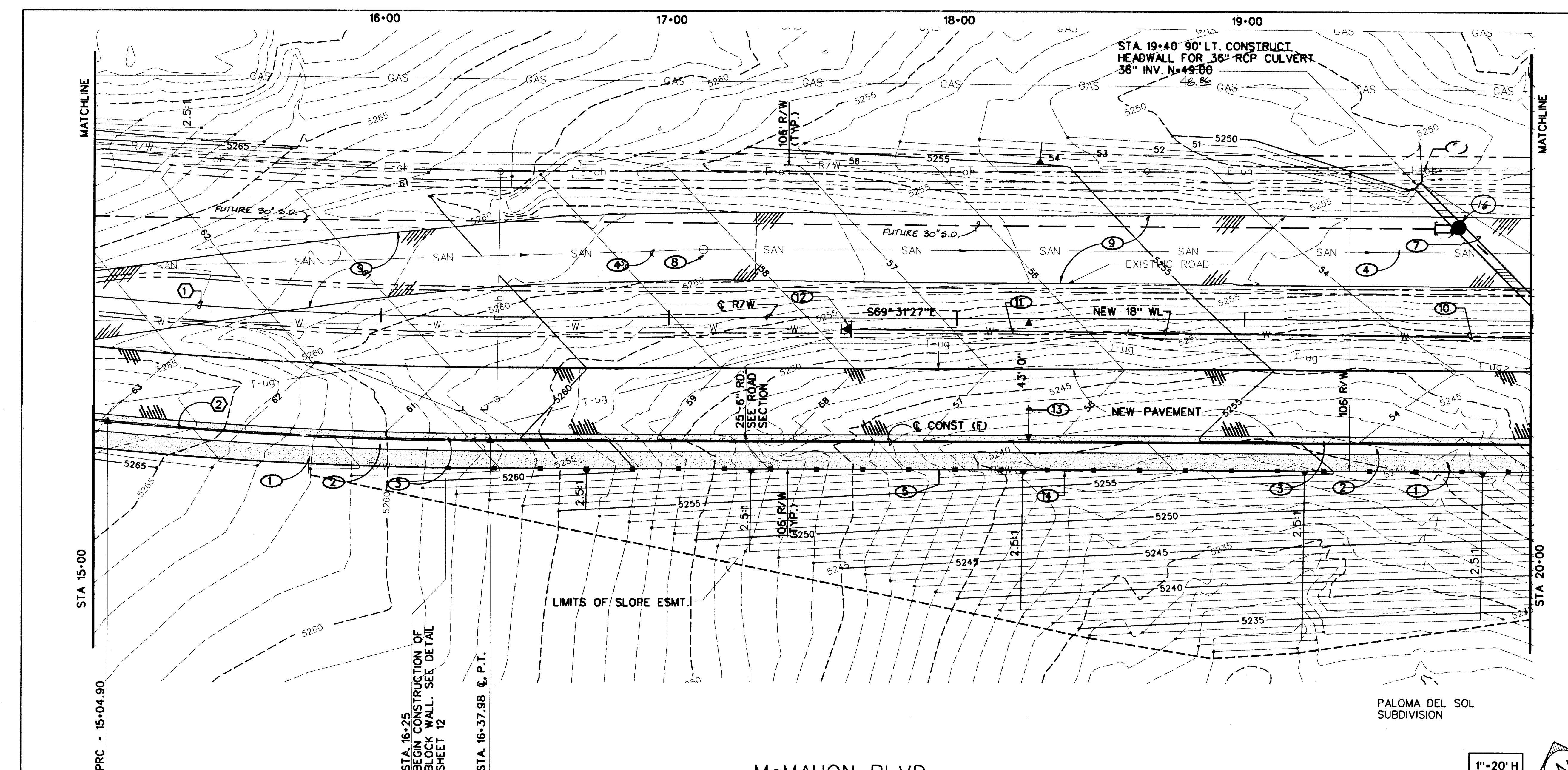
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE
MCMAHON BLVD. RECONSTRUCTION
GENERAL NOTES

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	<i>B.G. Smith</i>	8-21-95	WATER	<i>R.W. Kane</i>	8-1-95
TRANSPORTATION	<i>W. Kane</i>	7-19-95	WASTE WATER	<i>R.W. Kane</i>	8-1-95
HYDROLOGY	<i>JPC</i>	8-14-95	N.M.U.I.	<i>W. Kane</i>	7-27-95

PROJECT NO. 5208.90 MAP NO. A-12 SHEET 2 OF 8

SCANNED BY
BY LASON



KEYED NOTES

- 6-FOOT WIDE SIDEWALK PER COA STD. DWG. 2430. (DEFERRED NOT PART OF THIS CONTRACT.)
- SETBACK AREA.
- STANDARD CURB-AND-GUTTER PER COA STD. DWG. 2415.
- REMOVE AND DISPOSE OF EXISTING 8" SAS (PVC)
- CONSTRUCT ROAD PER SECTION SHEET 11.
- CONSTRUCT HEADWALL FOR NEW 36-INCH RCP CULVERT. SEE DETAIL A, SHEET 12.
- CONSTRUCT 162 LF 36-INCH RCP (CLASS IV) CULVERT AT 0.043 FT/FT SLOPE.
- REMOVE AND DISPOSE OF EXISTING 4" SAS MH.
- REMOVE AND DISPOSE OF EXISTING ROAD AFTER NEW ROAD IS ACCEPTED BY COA.
- NOT USED
- INSTALL NEW 18" PVC WATERLINE.
- INSTALL 16" x 18" REDUCER. BLOCK WITH PCC.
- CONSTRUCTION C - SOUTH E OF NEW ROAD. CONSTRUCTION C IS 43'-0" OFFSET FROM C OF RIGHT-OF-WAY.
- CONSTRUCT CMU BLOCK WALL ALONG R/W. SEE DETAILS SHEET 12.
- FILL EXISTING WATERLINE WITH GROUT, STA. 17+60 TO 20+98.
- CONSTRUCT 8' Ø MH AT STA. 19+75. 75' LT. MH INV. = 48.10.
- INSTALL 8 LF 30" RCP (IV) AT NEW MH. 30" INV. = 48.20. CAP END OF 30" RCP. SET SLOPE OF 30" RCP @ 2.7%.

AS BUILT INFORMATION

CONTRACTOR: NEW CONCEPTS, INC.
DRAWN BY: CAC & COA
CHECKED BY: ELD
DATE: 8/1/95
VERIFIED BY: ELD
DATE: 8/1/95
CORRECTED BY: ELD
DATE: 8/1/95
RECORDED BY: ELD
DATE: 8/1/95

BENCH MARKS

BENCH MARK IS USGS BRASS TABLET STAMPED "BLACK 2 1977"
SET FLUSH WITH GROUND. SPIRIT LEVEL ELEV. = 5233.926.
SURVEY TO ESTABLISH MCMAHON C. IS LOCAL SYSTEM UTILIZ-
ING PUBLISHED X,Y COORDINATES FOR "BLACK 2 1977".
TIE FROM STA 13+00.00, C. MCMAHON TO "BLACK 2 1977" IS
S 65°38'22" E, A DISTANCE OF 3306.75 FEET

SURVEY INFORMATION

FIELD NOTES	DATE	BY
12657 DAVID THOMPSON	7/6/95	

ENGINEER'S SEAL

PATRICIA J. COLEY
REGISTERED PROFESSIONAL ENGINEER
10141
NEW MEXICO
11/11/94

CURVE DATA

① C R/W	R=1400.00'
	Δ=5°26'47"
	T=69.59'
	L=133.08'
② C CONST. (F)	R=1443.00'
	Δ=5°26'47"
	T=68.64'
	L=137.18'

20+5203.93 C.I.C.

Smith Engineering Company
A Full Service Engineering Company
6400 Uptown Boulevard N.E. Suite 5000 Albuquerque, New Mexico 87110

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: MCMAHON BLVD. RECONSTRUCTION
PLAN AND PROFILE
STA 15+00 TO STA 20+00

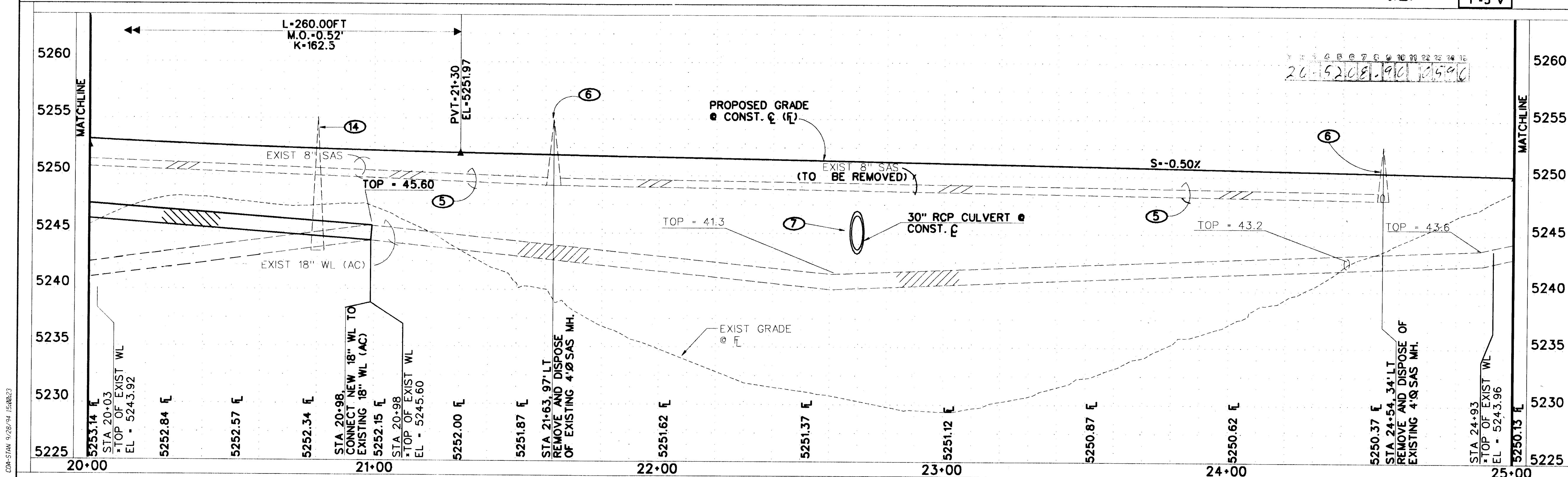
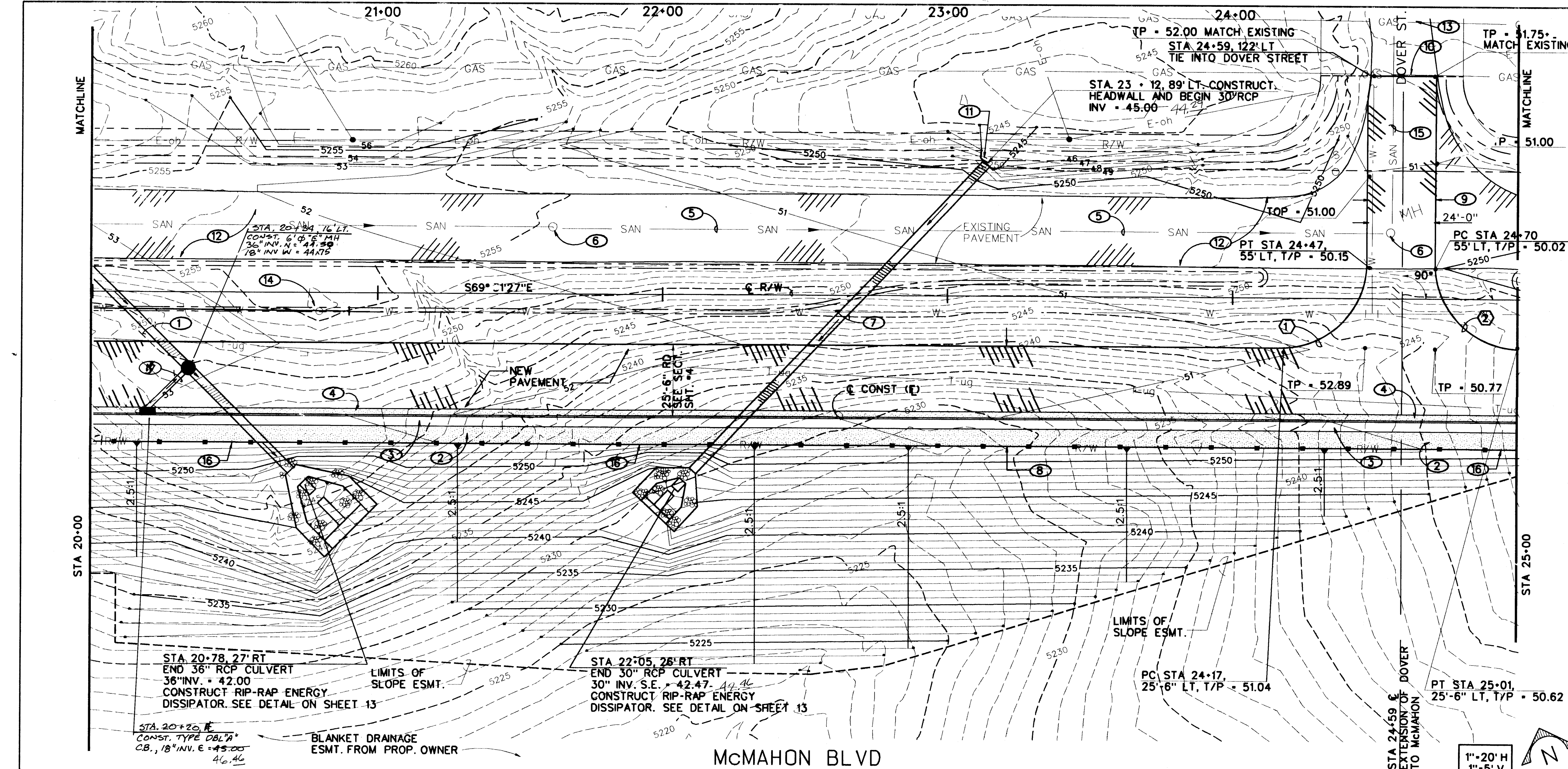
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	R.W. Kame	8-21-95	WATER	R.W. Kame	8-1-95
TRANSPORTATION	R.W. Kame	8-3-95	WASTE WATER	R.W. Kame	8-1-95
HYDROLOGY	R.W. Kame	8-14-95	NMUE	R.W. Kame	7-27-95

PROJECT NO.	5208.90	MAP NO.	A-12	SHEET	4	OF	18
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C:\DWG-STATION\9-28-94\150823

SCANNED BY LASON

MCMPA.DGN



- KEYED NOTES**
- CONSTRUCT 162 LF 36-INCH RCP (CLASS IV) CULVERT AT 0.043 FT/FT SLOPE.
 - 6-FOOT WIDE SIDEWALK PER COA STD. DWG. 2430. CONSTRUCTION OF SIDEWALK TO BE DEFERRED, NOT PART OF THIS CONTRACT.
 - SETBACK AREA.
 - STANDARD CURB-AND-GUTTER PER COA STD. DWG. 2415.
 - REMOVE AND DISPOSE OF EXISTING 8" SAS.
 - REMOVE AND DISPOSE OF EXISTING 4" SAS MH.
 - CONSTRUCT 161 LF 30-INCH RCP (CLASS IV) CULVERT AT 0.025 FT/FT SLOPE.
 - CONSTRUCT NEW ROAD PER SECTION SHEET 11.
 - CONSTRUCT EXTENSION OF DOVER STREET TO MCMAHON BOULEVARD. SECTION FOR EXTENSION TO MATCH TRANSITION ROAD SECTION SHEET 3.
 - SAWCUT DOVER STREET. MATCH NEW PAVEMENT EXTENSION GRADES TO EXISTING GRADES AT SAWCUT ON DOVER STREET.
 - CONSTRUCT HEADWALL FOR NEW 30-INCH RCP CULVERT. SEE DETAIL ON SHEET 12.
 - REMOVE AND DISPOSE OF EXISTING ROAD AFTER NEW ROAD IS ACCEPTED BY COA.
 - PLUG 8" SOUTH SAS AT EXIST SAS MH ON DOVER (125' LT OF CONSTR. Q).
 - REMOVE AND DISPOSE OF EXISTING MANHOLE.
 - REMOVE AND DISPOSE OF EXISTING 8" SAS (PVC) BACK TO MANHOLE ON DOVER. SEE NOTE 13.
 - CONSTRUCT CMU BLOCK WALL ALONG R/W. SEE DETAILS ON SHEET 12.
 - CONSTRUCT 18 L.F. OF 18" RCP (IV) CONNECTOR PIPE AT 0.014 FT/FT SLOPE.
- *NOTE: FIELD VERIFIED EXISTING WATERLINE ELEVATIONS. CONTRACTOR VERIFY ELEVATIONS BETWEEN STA 20+98 AND 24+93.

CURVE DATA

RETURN	RETURN
R=30.00'	R=30.00'
Δ=90°00'	Δ=90°00'
T=30.00'	T=30.00'
L=47.13'	L=47.13'

SMITH ENGINEERING COMPANY
A Full Service Engineering Company
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**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP**

**TITLE: MCMAHON BLVD. RECONSTRUCTION
PLAN AND PROFILE
STA 20+00 TO STA 25+00**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG. CHAIRMAN	R.W. Korne	8-21-95	WATER	R.W. Korne	8-21-95
TRANSPORTATION	R.W. Korne	8-21-95	WASTE WATER	R.W. Korne	8-21-95
HYDROLOGY	HC	8-14-95	NHUT	HC	8-14-95

PROJECT NO. 5208.90 MAP NO. A-12 SHEET 5 OF 18

AS BUILT INFORMATION

CONTRACTOR: NEW CONSTRUCTION, INC.
WORK NO. 5208.90
INSPECTOR: CHC & COA
DATE: 7/6/95

BENCH MARKS

BENCH MARK IS USGS BRASS TABLET STAMPED "BLACK 2 1977"
SET FLUSH WITH GROUND. SPIRIT LEVEL ELEV. = 5213.926.

SURVEY INFORMATION

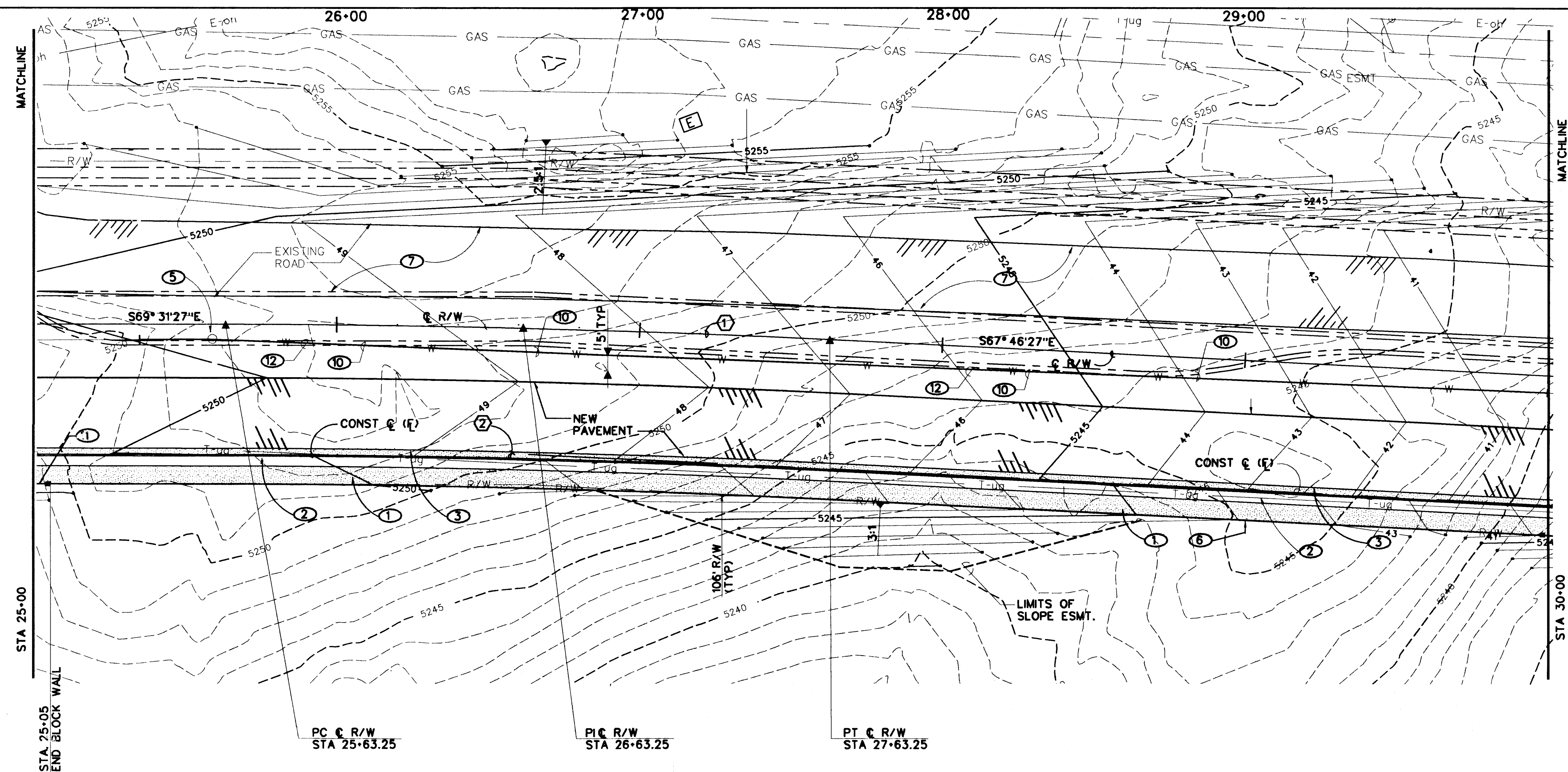
FIELD NOTES BY: DAVID THOMPSON
DATE: 7/6/95

ENGINEER'S SEAL

7/6/95

REVISIONS

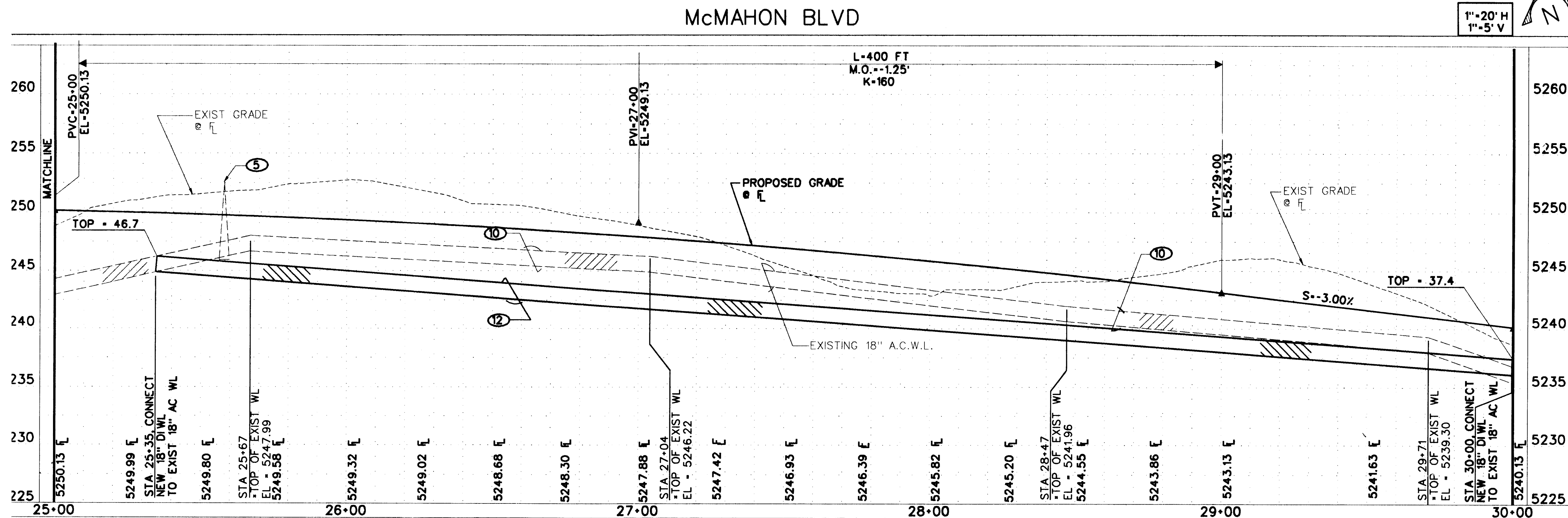
NO.	DATE	REMARKS
1	11/94	DESIGN
2	11/94	BLB
3	11/94	PJC



KEYED NOTES

- 1 6-FOOT WIDE SIDEWALK PER
COA STD. DWG. 2430.
- 2 SETBACK AREA.
- 3 STANDARD CURB-AND-GUTTER
PER COA STD. DWG. 2415.
- 4 NOT USED
- 5 REMOVE AND DISPOSE OF
EXISTING MANHOLE.
- 6 CONSTRUCT ROAD PER
SECTION, SHEET 11.
- 7 REMOVE AND DISPOSE OF
EXISTING ROAD AFTER
NEW ROAD IS ACCEPTED COA
- 8 INSTALL 18" D.I. 11 1/4" FITTING.
- 9 INSTALL NEW 18" D.I. WL.
- 10 REMOVE AND DISPOSE OF
EXISTING 18" WL AFTER NEW
WL IS INSTALLED AND
ACCEPTED BY NMUI.
- 11 CONSTRUCT CMU BLOCK
WALL ALONG R/W. SEE
DETAILS ON SHEET 12.
- 12 CONSTRUCT NEW 18" PVC WL

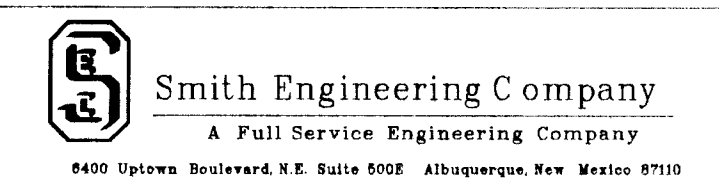
SURVEY INFORMATION			BENCH MARKS		AS BUILT INFORMATION	
FIELD NOTES			BENCH MARK IS USGS BRASS TABLE STAMPED "BLACK 2 1977"		CONTRACTOR'S	
NO.	BY	DATE	SET FLUSH WITH GROUND. SPIRIT LEVEL ELEV. 5213.926.		WORKS	DATE
12657	DAVID THOMPSON	7/6/95	SURVEY TO EST BLUSH MCMAHON & IS LOCAL SYSTEM UTILIZING PUBLISHED X,Y COORDINATES FOR "BLACK 2 1977".		NEW CONCERNS INC.	DATE
					ACCEPTANCE BY	DATE
					SUBJECTS	DATE
					VERIFICATION BY	DATE
					DRAWN	DATE
					MACRO-FILM INFORMATION	
					RECORDED BY	DATE
					NO.	



*NOTE: FIELD VERIFIED EXISTING
WATERLINE ELEVATIONS.

CURVE DATA	
① C R/W	② C CONST
R=4166.43'	R=4123.43
$\Delta=2^{\circ} 45' 00''$	$\Delta=2^{\circ} 45' 00''$
T=100.00'	T=98.97'
L=200.00'	L=200.00'

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
24	-	5	2	0	8	.	9	1			6	6	9	6



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

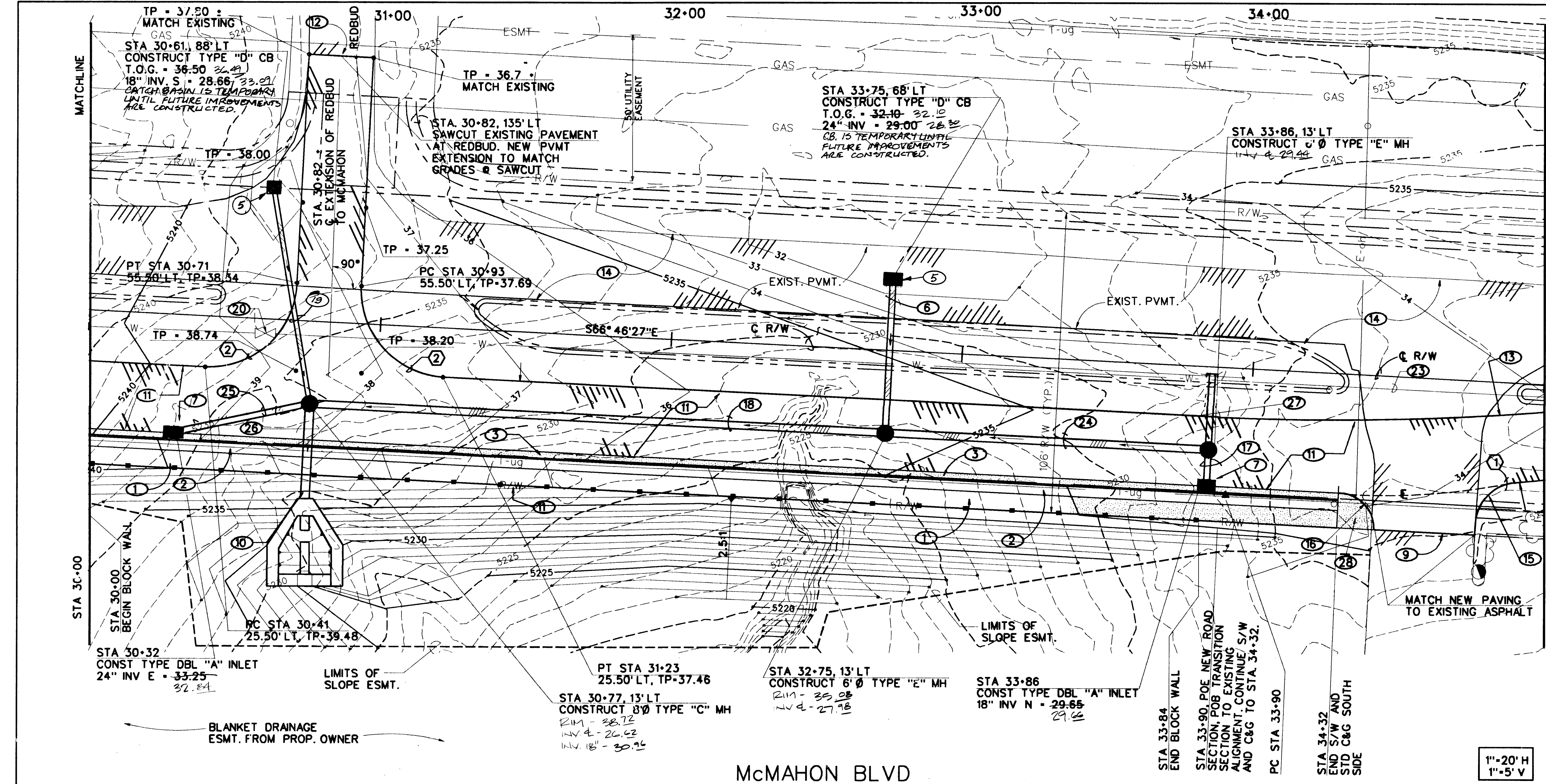
TITLE: MCMAHON BLVD. RECONSTRUCTION
PLAN AND PROFILE
STA 25+00 TO STA 30+00

APPROVALS		ENGINEER	DATE	APPROVALS		ENGINEER	DATE
DRC CHAIRMAN	<i>[Signature]</i>		8-21-95	WATER		R.W. Kone	8-1-95
TRANSPORTATION	<i>[Signature]</i>		8-03-95	WASTE WATER		R.W. Kone	8-1-95
HYDROLOGY	<i>[Signature]</i>		8-14-95	NMUT	<i>[Signature]</i>		7-27-95

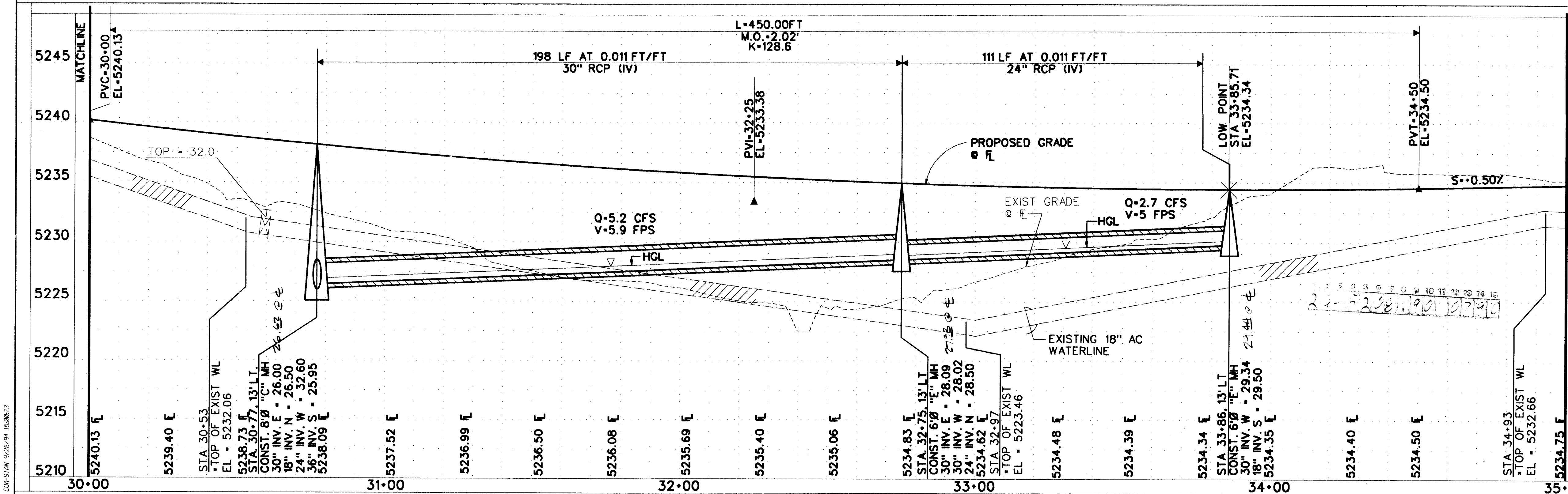
PROJECT NO. 5208.90	MAP NO. A-12	SHEET 6 OF 18
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SCANNED BY
BY LASON

1. CMPPS, DGR



McMAHON BLVD



KEYED NOTES

1

6-FOOT WIDE SIDEWALK PER COA STD. DWG. 2430. (DEFERRED, NOT PART OF THIS CONTRACT.)

2

SETBACK AREA

3

STANDARD CURB-AND-GUTTER PER COA STD. DWG. 2415.

4

NOT USED

5

CONSTRUCT SINGLE TYPE "D" CATCH BASIN PER COA STD. DWG. 2206.

6

CONSTRUCT 48 LF 24 INCH RCP (CLASS IV) AT 0.010 FT/FT SLOPE.

7

CONSTRUCT TYPE DBL "A" CATCH BASIN PER COA STD. DWG. 2201.

8

NOT USED

9

SAWCUT EXISTING PAVEMENT AT ENTRANCE TO APARTMENT BUILDING. NEW ASPHALT PAVING TO MATCH EXISTING GRADES AT SAWCUT.

10

CONSTRUCT RIP-RAP BASIN FOR NEW 36-INCH RCP. SEE DETAIL ON SHEET 13.

11

CONSTRUCT ROAD PER SECTION SHEET 11.

12

SAWCUT REDBUD STREET. MATCH NEW PAVEMENT EXTENSION GRADES TO EXISTING GRADES AT SAWCUT ON REDBUD STREET.

13

CONSTRUCT TRANSITION ROAD PER SECTION SHEET 11.

14

REMOVE AND DISPOSE OF EXISTING ROAD AFTER NEW ROAD IS ACCEPTED BY COA.

15

CONSTRUCT RADIUS OF 15 FEET AT EDGE OF NEW PAVEMENT

16

CONSTRUCT RADIUS OF 12 FEET AT EDGE OF NEW PAVEMENT

17

CONSTRUCT 11 LF 18 INCH RCP (CLASS IV) AT 0.014 FT/FT SLOPE.

18

CONSTRUCT 198 LF OF 30" RCP (CLASS IV) AT 0.011 FT/FT SLOPE.

19

CONSTRUCT 75 LF 18" RCP (CLASS IV) AT 0.020 FT/FT SLOPE.

20

ADJUST EXISTING VALVE BOX LID TO 3" ABOVE NEW GRADE.

21

NOT USED

22

NOT USED

23

NOT USED

24

CONSTRUCT 111 LF OF 24" RCP (CLASS IV) AT 0.011 FT/FT SLOPE.

25

CONSTRUCT 43 LF OF 24" RCP (CLASS IV) AT 0.015 FT/FT SLOPE.

26

CONSTRUCT 41 LF OF 36" RCP (CLASS IV) AT 0.023 FT/FT SLOPE.

27

STUB OUT 24 LF OF 18" RCP (CLASS IV) AT 0.008 FT/FT SLOPE. CAP END PER DETAIL B/12.

28

FILLET TO BE 4" PCC W/ SIDEWALK FINISH.

*NOTE:

FIELD VERIFIED EXISTING WATERLINE ELEVATIONS.

CURVE DATA

①

TRANSITION

R=1000.00'

Δ=11°01'

T=96.44'

L=192.30'

②

RETURNS

REDBUD

R=30.00'

Δ=90°00'00"

T=30.00'

L=47.10'

Smith Engineering Company

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8400 Uptown Boulevard, N.E. Suite 5025 Albuquerque, New Mexico 87110

CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT

ENGINEERING GROUP

TITLE:

McMAHON BLVD. RECONSTRUCTION

PLAN AND PROFILE

STA 30+00 TO STA 35+00

APPROVALS

ENGINEER

DATE

APPROVALS

ENGINEER

DATE

DRG CHAIRMAN

TRANSPORTATION

HYDROLOGY

DATE

DATE

DATE

8-21-95

8-22-95

8-14-95

8-21-95

8-22-95

8-14-95

PROJECT NO.

5208.90

MAP NO.

A-12

SHEET

7

OF

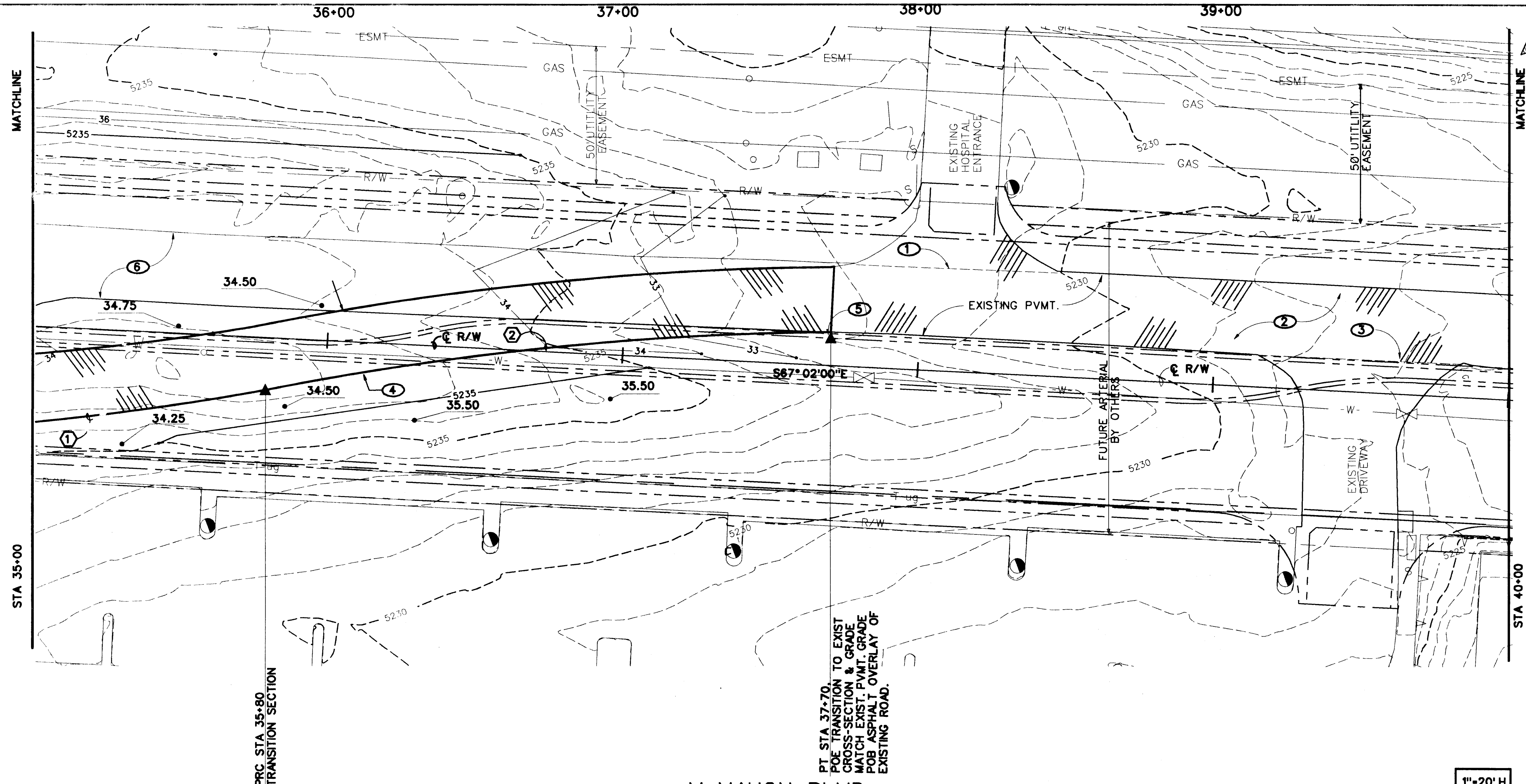
18

SCANNED BY

LASON

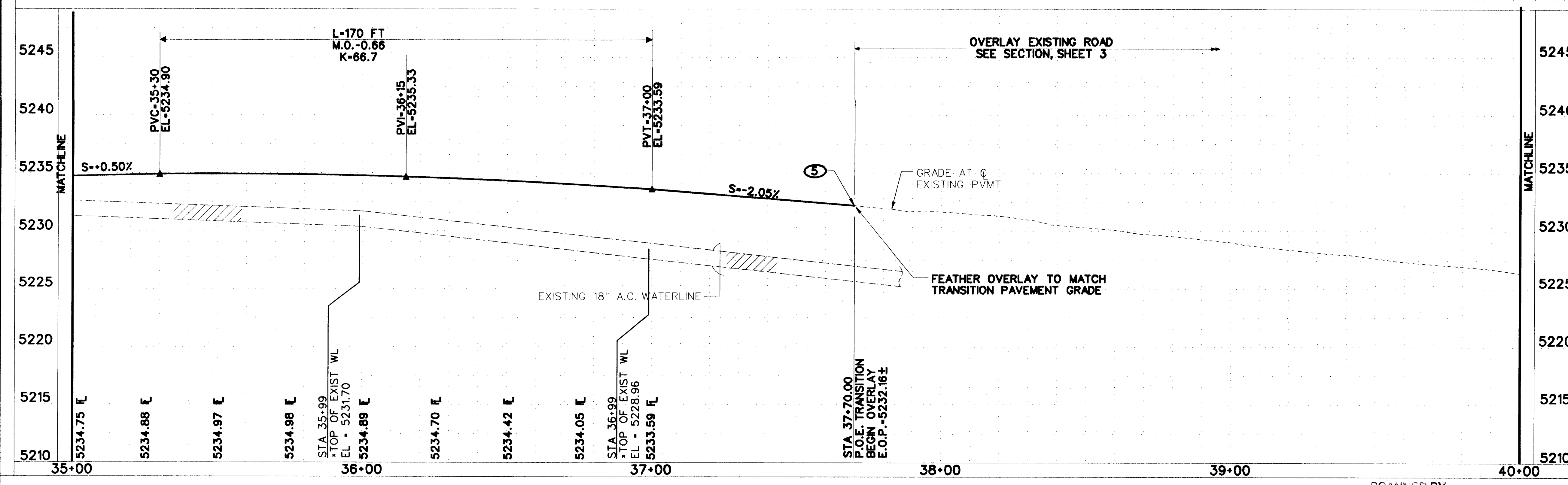
CDD-STAN 9/28/94 15:08:23

MCNPP7.DGN



McMAHON BLVD

1"=20' H
1"=5' V



- ## KEYED NOTES
- 1 FEATHER NEW OVERLAY ON McMAHON BOULEVARD TO MATCH EXISTING GRADES AT ENTRANCE TO HOSPITAL.
 - 2 CONSTRUCT ASPHALT OVERLAY OF McMAHON ROAD FROM STATION 37+70 TO 48+00. SEE SECTION SHEET 3. RESTRIPE ROAD PER STRIPING PLANS.
 - 3 FEATHER NEW OVERLAY ON McMAHON BOULEVARD TO MATCH EXISTING GRADES AT ENTRANCE TO APARTMENTS.
 - 4 CONSTRUCT TRANSITION ROAD PER SECTION SHEET 3.
 - 5 SAWCUT EXISTING PAVEMENT ON McMAHON ROAD. TRANSITION PAVEMENT GRADES TO MATCH EXISTING GRADES AT SAWCUT.
 - 6 REMOVE AND DISPOSE OF EXISTING ROAD TO STATION 37+70.

*NOTE: FIELD VERIFIED EXISTING WATERLINE ELEVATIONS.

CURVE DATA

- ① S-EDGE OF PAVEMENT
R=1000.00
D=11° 01'
L=192.30'
T=96.44'
- ② S-EDGE OF PAVEMENT
R=1000.00
D=11° 01'
L=192.30'
T=96.44'

20 5236.96 18896

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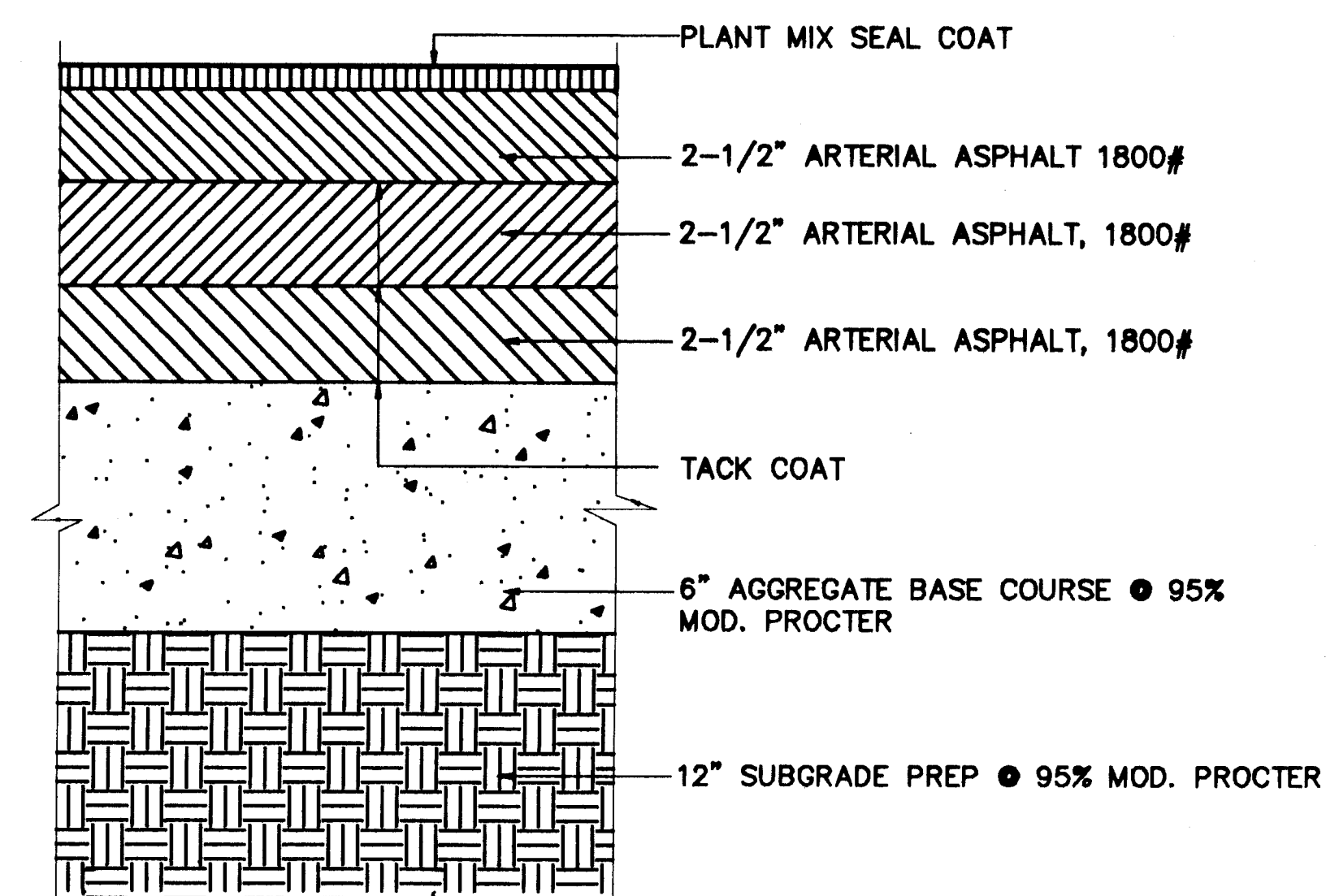
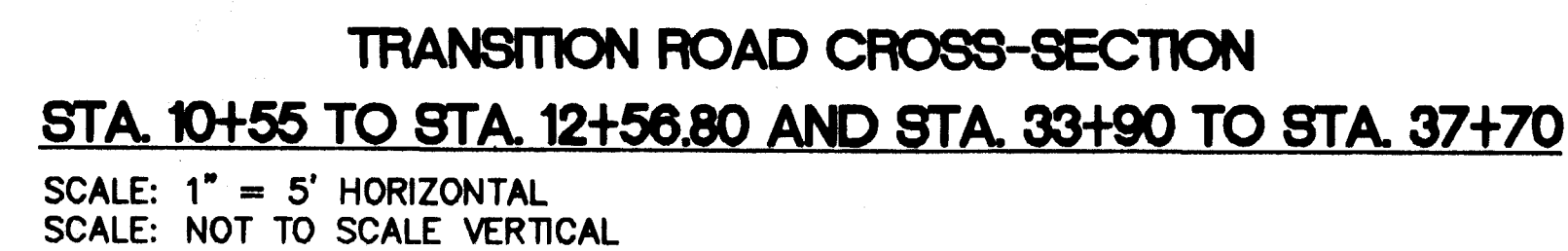
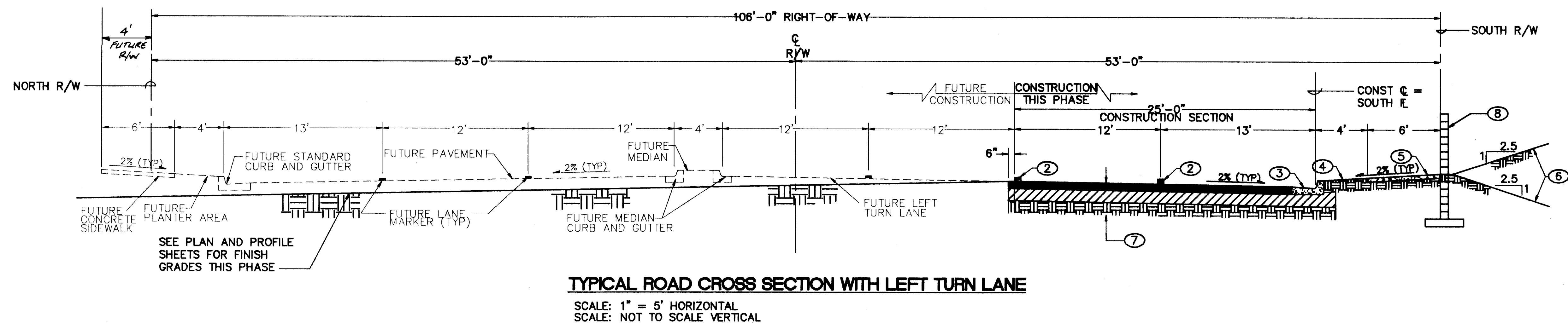
**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP**

**TITLE: McMAHON BLVD. RECONSTRUCTION
PLAN AND PROFILE
STA 35+00 TO STA 40+00**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	<i>B.G. Smith</i>	8-21-95	WATER	N/A	RWK 8-1-95
TRANSPORTATION	<i>Monte</i>	8-02-95	WASTE WATER	N/A	RWK 8-1-95
HYDROLOGY	<i>JPC</i>	8-14-95			

PROJECT NO. **5208.90** MAP NO. **A-12** SHEET **3** OF **18**

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
	DATE: 11/94 DESIGNED BY: BLB DRAWN BY: BLB CHECKED BY: SAV	FIELD NOTES	DATE	BENCH MARK IS USGS BRASS TABLET STAMPED "BLACK 2 1977"	CONTRACT NO.	NEW CONCEPTS	DATE
		NO. 12657	DAVID THOMPSON	7/6/95	SET FLUSH WITH GROUND. SPIRIT LEVEL ELEV = 5213.926.	STAMPED BY: CEC & COA	DATE: 2/96
				SURVEY TO ESTABLISH McMAHON & IS LOCAL SYSTEM UTILIZING PUBLISHED X,Y COORDINATES FOR "BLACK 2 1977".	FIELD SURVEY BY: ZLD	DATE: 2/96	
				TIE FROM STA. 13+00.00, & McMAHON TO "BLACK 2 1977" IS S 65° 38' 22" E, A DISTANCE OF 3306.75 FEET	CONDUCTED BY: ZLD	DATE: 2/96	
					RECORDED BY: ZLD	DATE: 2/96	
					DATE: 2/96		



NOT TO SCALE

KEYED NOTES:

- 1 NOT USED
- 2 NEW STRIPING, SEE SHEETS 14&15
- 3 STANDARD CURB-AND-GUTTER
PER COA STD. DWG. 2415.
- 4 FOUR FOOT SETBACK.
- 5 6-FOOT WIDE SIDEWALK. (DEFERRED
NOT PART OF THIS CONTRACT.)
- 6 SLOPE FROM RIGHT-OF-WAY.
SEE PLAN AND PROFILE SHEETS
FOR GRADES.
- 7 NEW ROAD SECTION FOR THIS
PHASE. FUTURE ROAD
CONSTRUCTION BY OTHERS.
- 8 CONSTRUCT BLOCK WALL.
LOCATION OF WALL SHOWN ON
PLAN AND PROFILE SHEETS.

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES		BENCH MARK IS USGS BRASS TABLET STAMPED "BLACK 2 1977" SET FLUSH WITH GROUND. SPIRIT LEV. EL.=5213.926		CONTRACTOR <u>NEW CONCRETE INC.</u>	
		NO.	DATE			WORK STARTED BY <u>CEC & COB</u>	
		12657	7/6/95	DAVID THOMPSON		DATE <u>09/6</u>	
						ADJUSTED BY <u>BLD</u>	
						DATE <u>9-16</u>	
						FIELD VERIFICATION BY <u>BLD</u>	
						DATE <u>9-98</u>	
						CORRECTED BY <u>BLD</u>	
						DATE <u>9-98</u>	
						MATERIAL INFORMATION	
						REMOVED BY	
						DATE	
						TIE FROM STA. 13+00.00, 6' McMAHON TO "BLACK 2 1977"	
						IS S. 63°38'22" E. A DISTANCE OF 3306.75 FEET.	
						CHECKED BY PJC	
						DATE	
						DESIGNED BY LAM	
						DATE 11/94	
						DRAWN BY BAC	
						DATE 4/95	
						CHECKED BY PJC	
						DATE	

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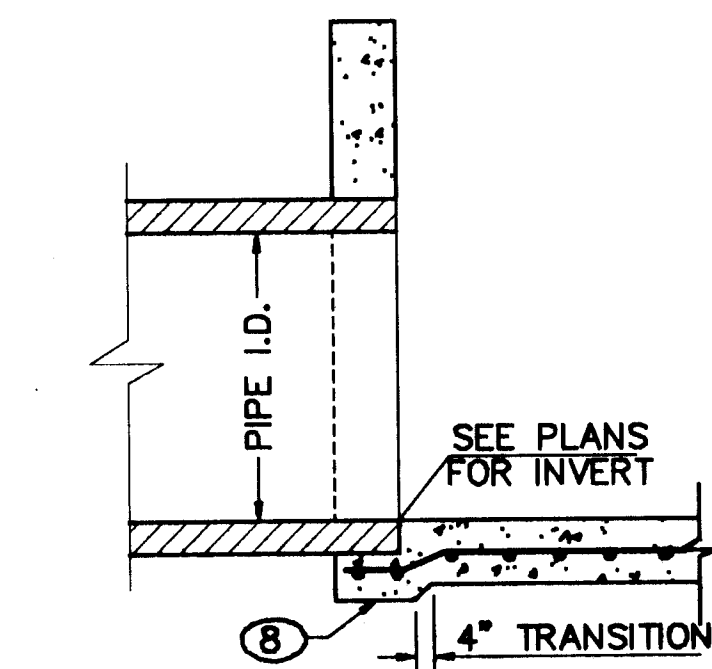
Smith Engineering Company
A Full Service Engineering Company
Hydrex Boulevard, N.E. Suite 0008 Albuquerque, New Mexico 87110

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **McMAHON BOULEVARD RECONSTRUCTION
TYPICAL ROAD SECTIONS AND DETAILS**

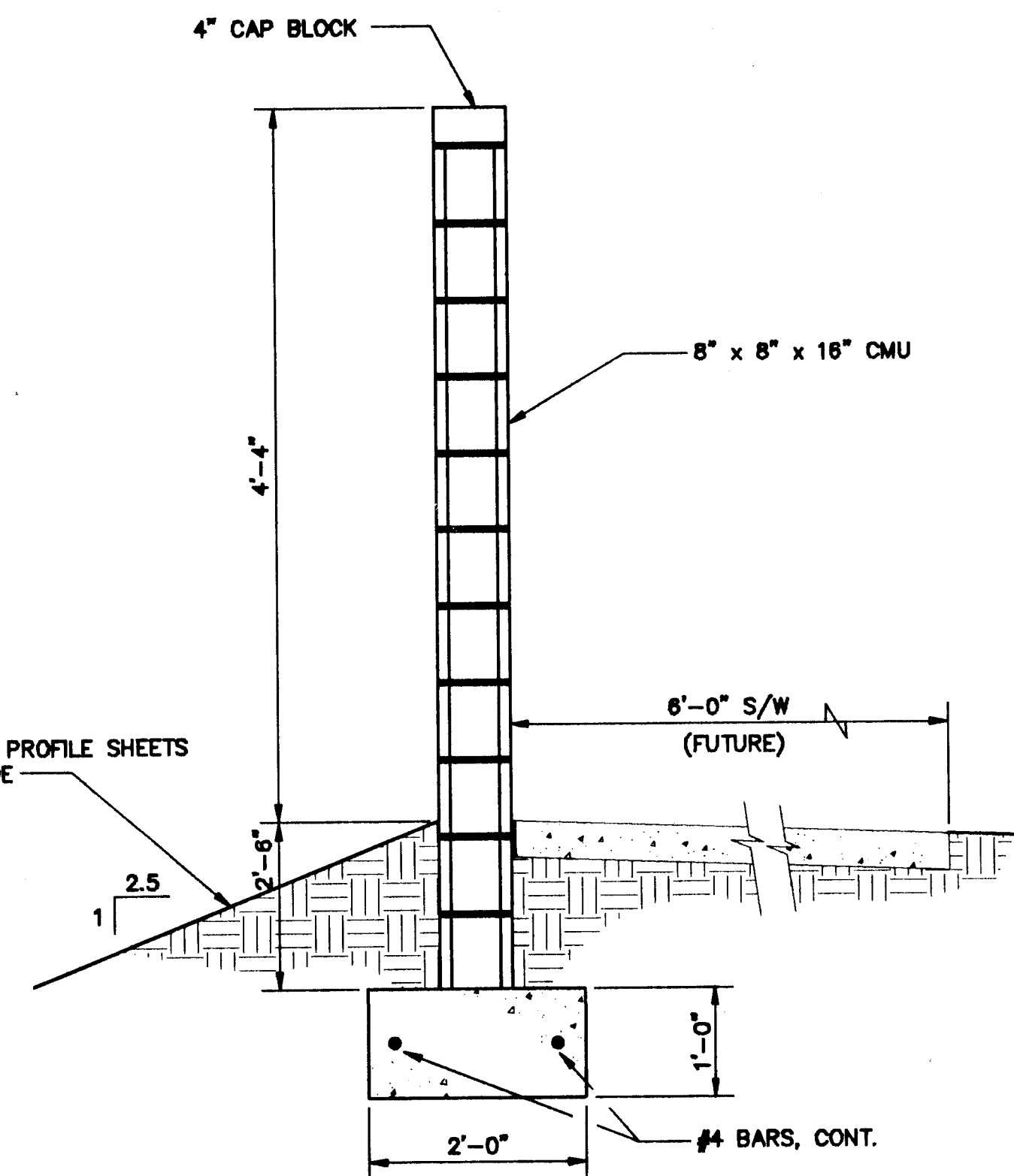
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>[Signature]</i>	8-21-95	WATER	N/A RWE	8-1-95
TRANSPORTATION	<i>[Signature]</i>	8-03-95	WASTE WATER	N/A RWE	8-1-95
HYDROLOGY	<i>[Signature]</i>	8-14-95			

PROJECT NO. 5208.90	MAP NO. A-12	SHEET 11 OF 18
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- 1 SLOPE FILL BACK FROM HEADWALL. SEE PLAN AND PROFILES FOR GRADING.
- 2 12-INCHES FILL COMPACTED TO 95% ASTM D-1557. COMPACT 6-INCHES SUBGRADE TO 90% ASTM D-1557 PRIOR TO PLACING FILL.
- 3 BACKFILL COMPACTED TO 90% ASTM D-1557.
- 4 2" X 4" KEY AT JOINTS, TYPICAL.
- 5 3/4" CHAMFER AT EXPOSED EDGES OF HEADWALL.
- 6 PROVIDE MINIMUM 2"-6" LAP FOR REINFORCING STEEL.
- 7 THICKEN SLAB TO 10" UNDER RCP AT HEADWALLS TO ALLOW FOR WALL THICKNESS OF PIPE, TYPICAL. SEE SECTION AND KEY NOTE 8.
- 8 PROVIDE MINIMUM 3" CLEAR BETWEEN STEEL AND RCP AT THICKENED AREAS.

BENCH MARKS	AS BUILT INFORMATION
BENCHMARK IS USGS BRASS TABLET STAMPED "BLACK 2 1977" SET FLUSH WITH GROUND. SPIRIT EL. = 5213.926	CONTRACTOR NEAL CARPENTERS INC. DESIGNED BY ROSE & COA DATE MAY 04/84 SURVEYING BY ZLD FIELD VERIFICATION BY ZLD DATE 3/4/86 DRAWINGS BY ZLD DATE 2/2/86 MICRO-FILM INFORMATION RECORDED BY DATE
TIE FROM STA. 13+00.00, Q McMAHON TO "BLACK 2 1977" IS S. 63°38'22" E. A DISTANCE OF 3306.75 FEET.	



Technical drawing showing a cross-section of a wall and foundation. The wall is constructed from 16" x 16" x 8" pilaster blocks, which are concrete-filled. The wall has a 4" cap block on top. The wall is reinforced with 1#6 vertical bars, each cell, and Duowall mesh every second courses (typ.). The wall is 2'-6" high. The foundation is 5'-6" square and is reinforced with 1#6 bars. The foundation is filled with compacted material per COA requirements. The foundation has a 2" clearance (CLR.) from the wall and a 3" clearance (CLR.) from the ground. The foundation is also reinforced with #4 bars at 12" O.C. E.W., T&B. The foundation is 1'-6" high. The drawing includes a note: "NOTE: PILASTER TO BE PLACED 16' O.C." and a dimension line for "R/W".

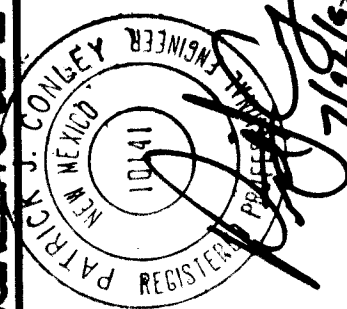
Labels and dimensions:

- 4" CAP BLOCK
- 1#6 VERT. EACH CELL
- DUOWALL MESH EVERY SECOND COURES (TYP.)
- 2'-6" LAP, TYPICAL
- FILL COMPACTED PER COA REQUIREMENTS
- 2'-6"
- 1'-6"
- 2" CLR.
- 5'-6" SQUARE
- 3" CLR.
- #4 @ 12" O.C. E.W., T&B
- 16" x 16" x 8" PILASTER BLOCKS (TYP.)
- PILASTER COLUMNS TO BE CONCRETE FILLED
- 4" CONCRETE SIDEWALK (FUTURE)
- ALTERNATE #6 BAR HOOKS WITHIN PILASTER
- NOTE: PILASTER TO BE PLACED 16' O.C.
- R/W

SCALE: $3/4" = 1'-0"$

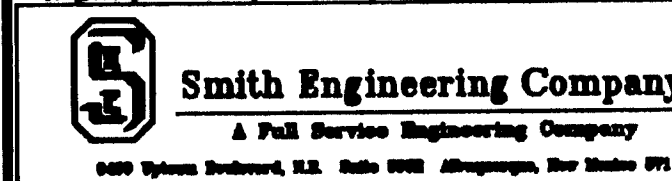
SURVEY INFORMATION			
NO.	FIELD NOTES		DATE
	BY		
12657	DAVID	THOMPSON	7/6

ENGINEER'S SEAL



NO.		DATE		REMARKS		BY	
				DESIGN			
DESIGNED BY				LAM			
DRAWN BY				BAC			
CLEARED BY				BAC			
				DATE 11/94			
				DATE 4/95			
				DATE			

G:\BAC\PROJECTS\WCMATION\DETAILS.dwg 4/10/00



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

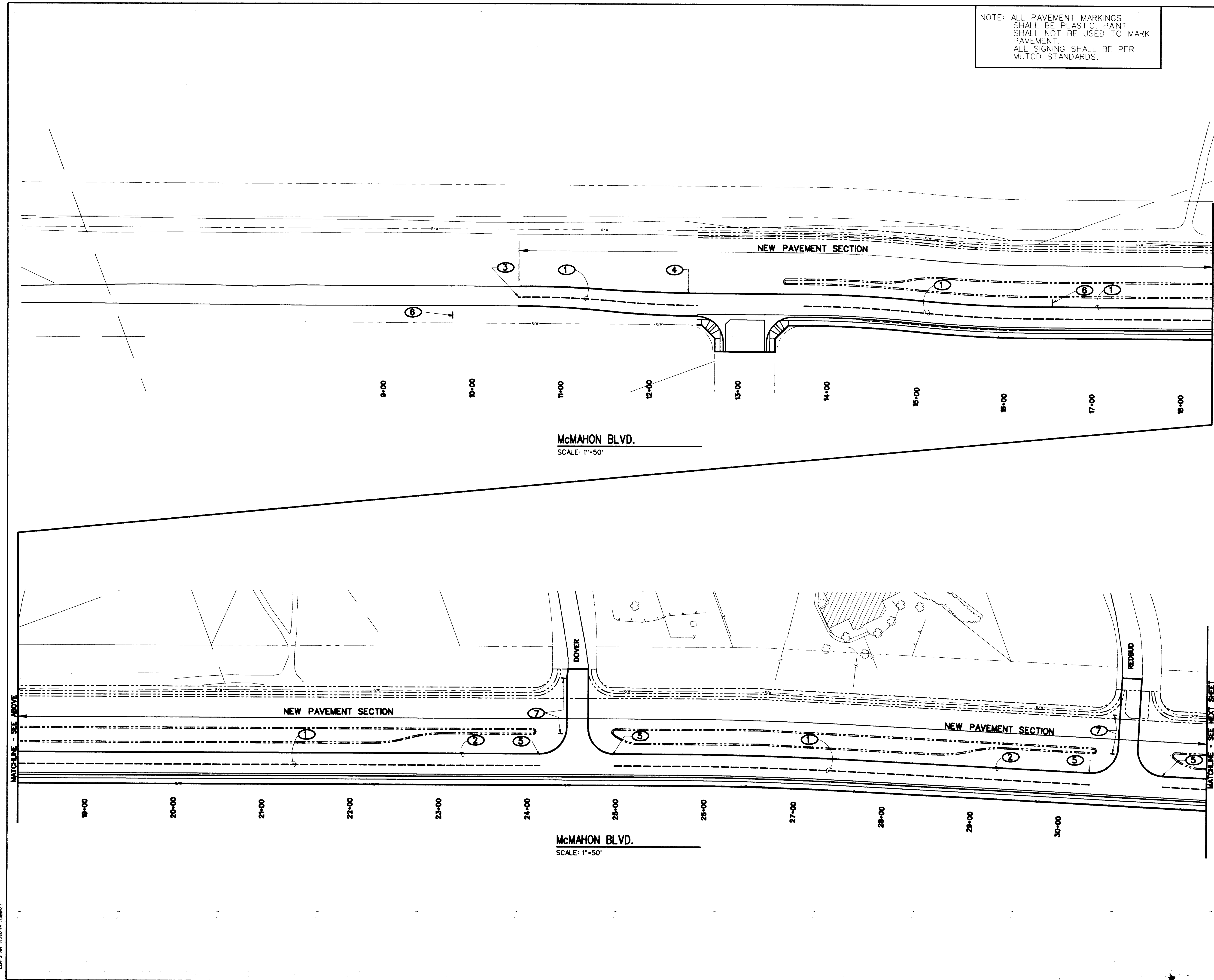
TITLE: **McMAHON BOULEVARD RECONSTRUCTION
DRAINAGE AND WALL DETAILS**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>B. G. S. S. S.</i>	8-21-95	WATER	N/A RWE	8-1-95
TRANSPORTATION	<i>N/A RWE</i>	8-03-95	WASTE WATER	N/A RWE	8-1-95
HYDROLOGY	<i>DRC</i>	8-14-95			

PROJECT NO.	5208.90	MAP NO.	A-12	SHEET 12 OF 18
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SCANNED BY
BY LASON

CDM-STAN 9/28/94 15:00:23



NOTE: ALL PAVEMENT MARKINGS SHALL BE PLASTIC. PAINT SHALL NOT BE USED TO MARK PAVEMENT. ALL SIGNING SHALL BE PER MUTCD STANDARDS.

- KEYED NOTES**
1. DASHED YELLOW STRIPING.
 2. CONTINUOUS WHITE STRIPE AT 6" IN FROM EDGE OF NEW PAVEMENT. SEE SECTION SHEET 3.
 3. TERMINATE DASHED STRIPING AT BEGINNING OF TRANSITION PAVEMENT.
 4. TERMINATE CONTINUOUS WHITE STRIPE AT END OF NEW PAVEMENT SECTION.
 5. TERMINATE CONTINUOUS WHITE STRIPING AT RETURNS ON INTERSECTIONS.
 6. PLACE R2-1-24-35 250' WEST OF BANDELIER.
 7. RELOCATE EXISTING STOP SIGN AT NEW RETURN.

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**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP**

**TITLE: MCMAHON BLVD. RECONSTRUCTION
SIGNING AND STRIPING**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>B.G.A.</i>	8-21-95	WATER	<i>N/A RWC</i>	8-1-95
TRANSPORTATION	<i>R. Drake</i>	7-19-95	WASTE WATER	<i>N/A RWC</i>	8-1-95
HYDROLOGY	<i>NA JPC</i>	8-14-95			

PROJECT NO. **5208.90** MAP NO. **A-12** SHEET **14** OF **18**

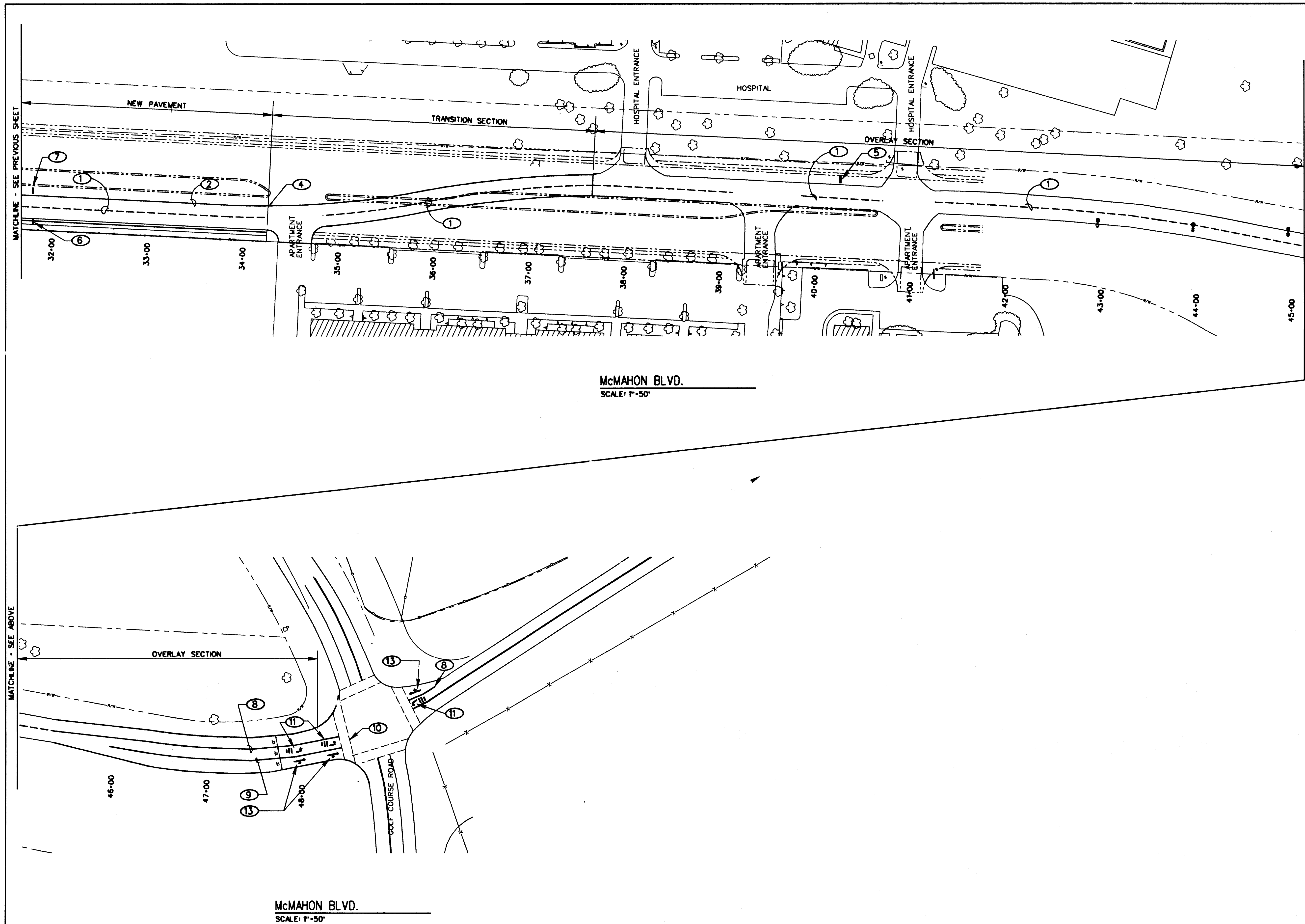
ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		NO.	DATE	BENCH MARK IS USGS BRASS TABLET STAMPED "BLACK 2 1977"		CONTRACTOR	DATE
		12657	7/6/95	SET FLUSH WITH GROUND. SPIRIT LEVEL ELEV. - 5213.926.		NEW CONCRETE P.C.	DATE
		BY	DATE	SURVEY TO ESTABLISH MCMAHON & IS LOCAL SYSTEM UTILIZ- ING PUBLISHED X,Y COORDINATES FOR "BLACK 2 1977".		WORK STAMPED BY	DATE
		DAVID THOMPSON	7/6/95			DATE	DATE
		REMARKS	REVISIONS			FIELD ASSISTANCE BY	DATE
		DESIGNED BY	DATE			DATE	DATE
		DRAWN BY	DATE			DATE	DATE
		CHECKED BY	DATE			DATE	DATE

MICRO-FILM INFORMATION

TIE FROM STA 13+00.00, Q. MCMAHON TO "BLACK 2 1977" IS
S 65°38'22" E. A DISTANCE OF 3306.75 FEET

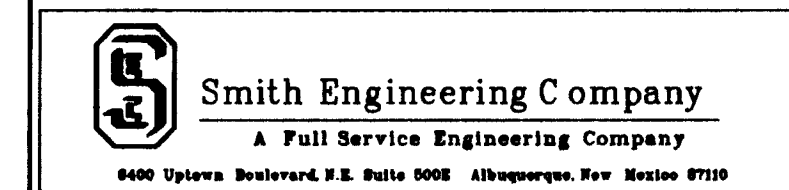
SCANNED BY
BY LASON

CDM-STW 9/28/94 15:00:23



KEYED NOTES

1. DASHED YELLOW STRIPING.
2. CONTINUOUS WHITE STRIPE AT 6" IN FROM EDGE OF NEW PAVEMENT. SEE SECTION SHEET 3.
3. TERMINATE NEW STRIPING AT END OF OVERLAY.
4. TERMINATE CONTINUOUS WHITE STRIPE AT END OF NEW PAVEMENT SECTION.
5. PLACE W1-4L-30 AND W13-1-18-25 250' EAST OF BEGINNING OF REVERSE CURVE.
6. PLACE W1-4L-30 AND W13-1-18-25 250' WEST OF BEGINNING OF REVERSE CURVE.
7. PLACE R2-1-24-35 250' WEST OF REVERSE CURVE.
8. DOUBLE YELLOW STRIPE FROM BEGINNING OF REVERSE CURVE TO CROSS WALK.
9. SINGLE WHITE STRIPE FROM BEGINNING OF REVERSE CURVE TO CROSSWALK.
10. CROSSWALK DESIGNATION AT 48+00.
11. "LEFT TURN ONLY" ON PAVEMENT WITH LEFT TURN ARROWS
12. PLACE R3-7R-30 150' WEST OF TRAFFIC SIGNAL.
13. RIGHT TURN AND THRU ARROWS.



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

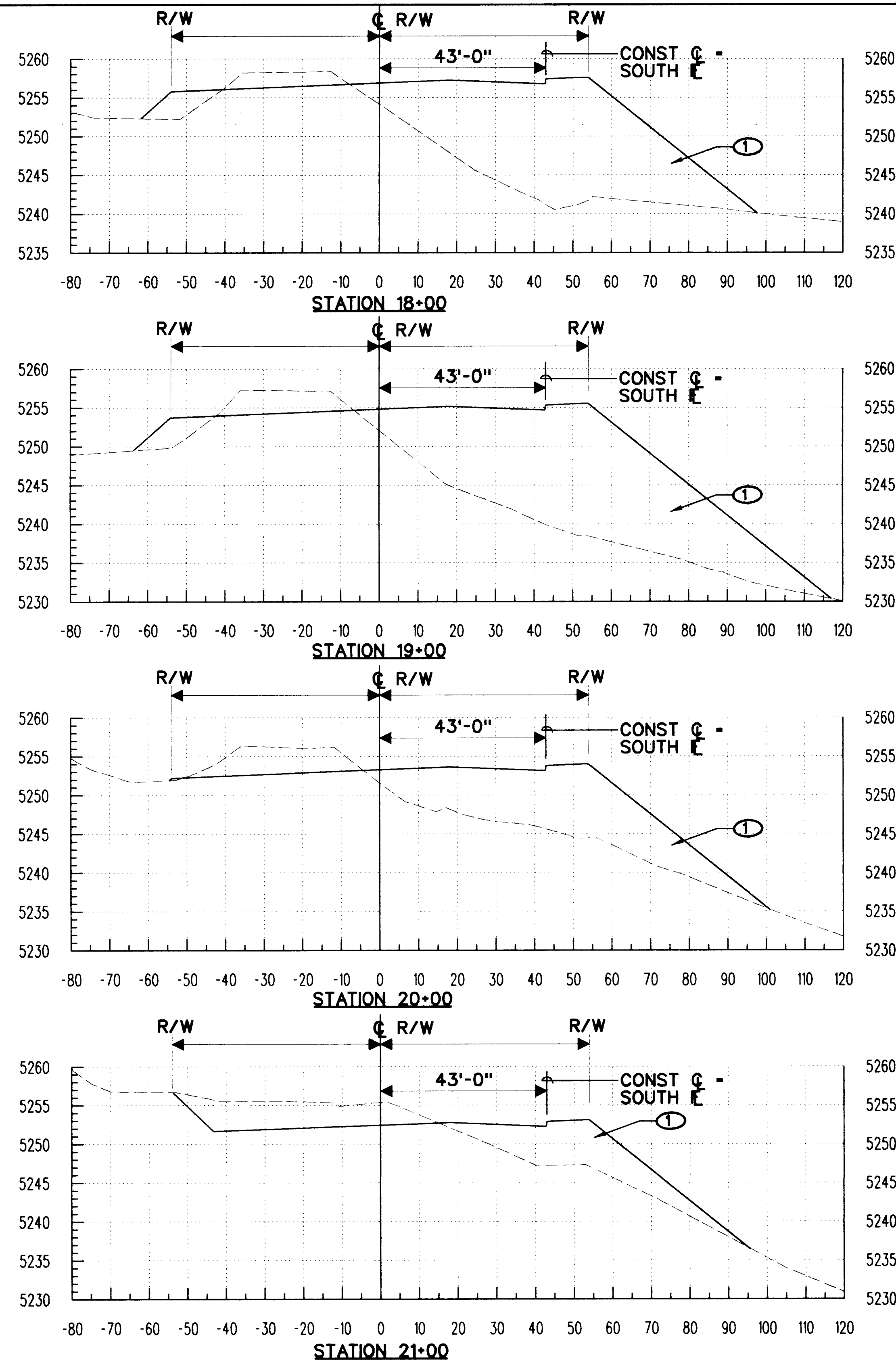
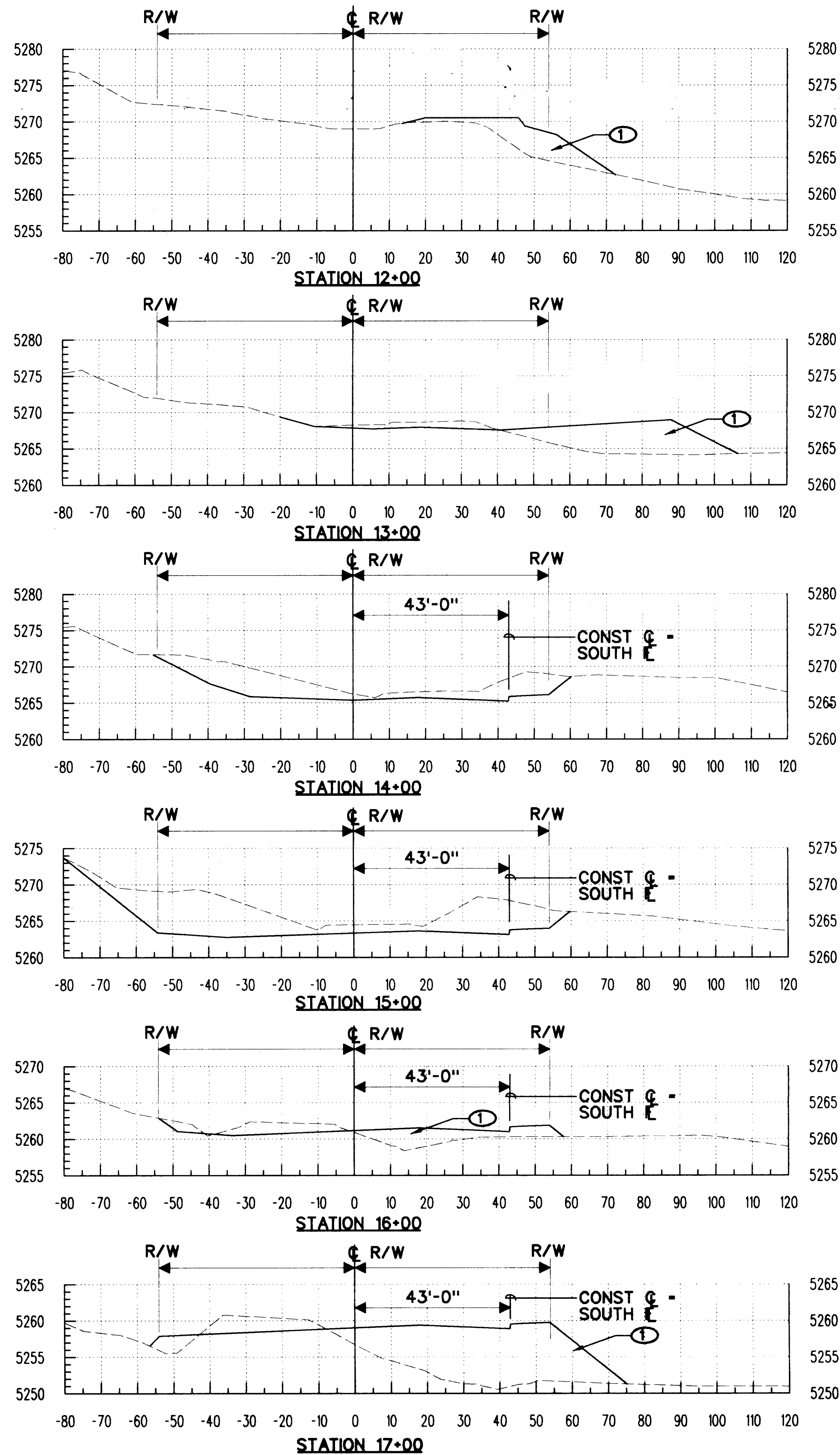
TITLE: **McMAHON BLVD. RECONSTRUCTION
SIGNING AND STRIPING**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>R. B.</i>	8-21-95	WATER	N/A RWE	8-1-95
TRANSPORTATION	<i>R. B.</i>	8-21-95	WASTE WATER	N/A RWE	8-1-95
HYDROLOGY	<i>NA JPC</i>	8-14-95			

PROJECT NO. **5208.90** MAP NO. **A-12** SHEET **15** OF **18**

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES		BENCH MARK IS USGS BRASS TABLET STAMPED "BLACK 2 1977"		CONTRACTOR: NEW CONCRETE, INC.	
		NO.	BY	DATE	SET FLUSH WITH GROUND. SPIRIT LEVEL ELEV. = 5213.926.	WORK STARTED BY: CEC & COA	DATE: 8-22-95
		12657	DAVID THOMPSON	7/6/95		ACCEPTANCE BY: BLD	DATE: 8-22-95
						DRAWINGS BY: BLD	DATE: 8-22-95
						CHECKED BY: BLD	DATE: 8-22-95
						RECORDED BY: BLD	DATE: 8-22-95
						MICRO-FILM INFORMATION	
						TIE FROM STA 13+00.00 TO "BLACK 2 1977" IS S 65°38'22" E, A DISTANCE OF 3306.75 FEET	

SCANNED BY
BY LASON



KEYED NOTES

- 1 CLEAR AND GRUB AREAS TO RECEIVE FILL. COMPACT FILL IN ACCORDANCE WITH SECTION 204, COA STD SPECS.

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	NEW CREEPS, INC.	BENCH MARK IS USGS BRASS TABLE STAMPED "BLACK 2 1977"	DATE	DATE	DATE	DATE	DATE
DRAWN BY	CHC & COB	SET FLUSH WITH GROUND. SPIRIT LEVEL ELEV. 5213.926	7/6/95	NO.	12657	BY	DAVID THOMPSON
INSPECTED BY	BLD	SURVEY TO ESTABLISH MCMAHON CL IS LOCAL SYSTEM UTILIZ-					
FIELD	BLD	ING PUBLISHED X,Y COORDINATES FOR "BLACK 2 1977".					
VERIFIED BY	BLD	TE FROM STA 13+00.00 CL MCMAHON TO "BLACK 2 1977" IS					
CORRECTED BY	BLD	S 65° 38' 22" E. A DISTANCE OF 3306.75 FEET					
MICRO-FILM INFORMATION							
RECORDED BY							
NO.							

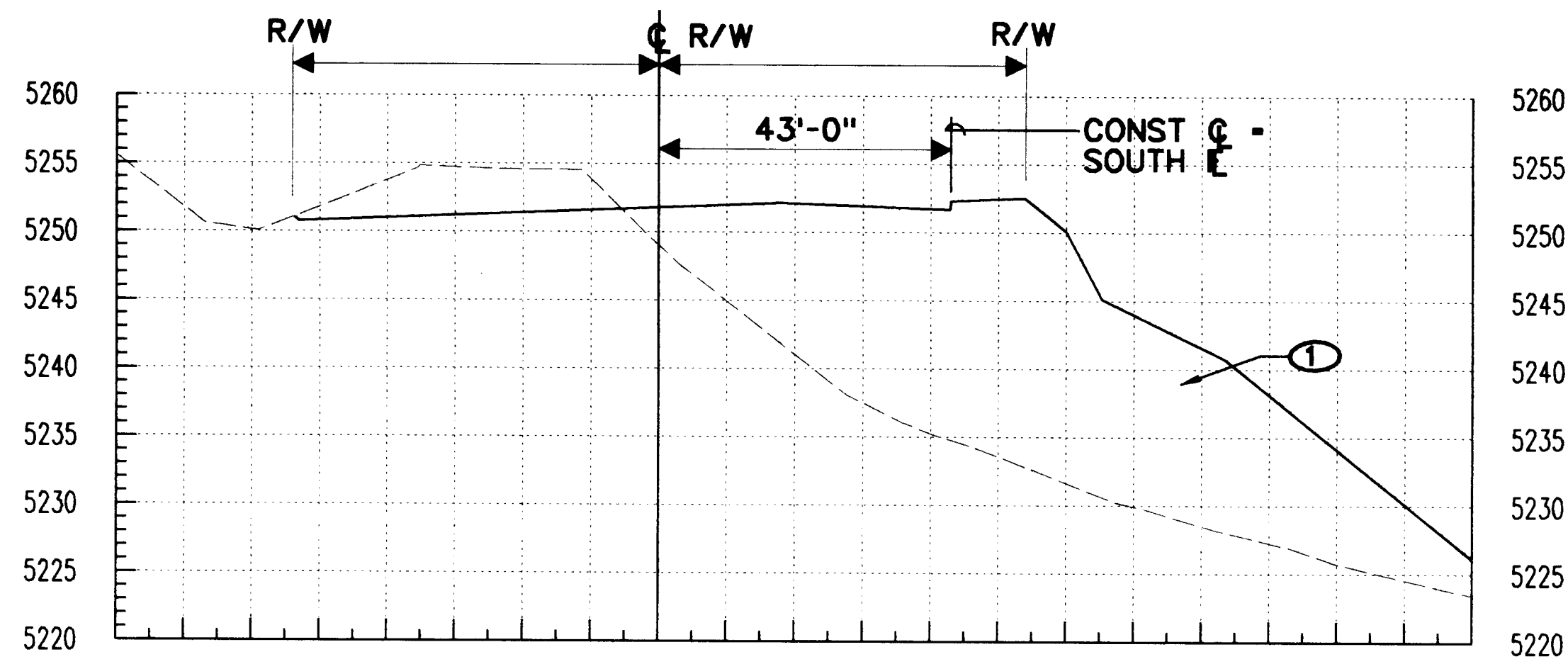
26-5208.90 1696

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6400 Upland, Boulevard, N.E. Suite 300P Albuquerque, New Mexico 87110

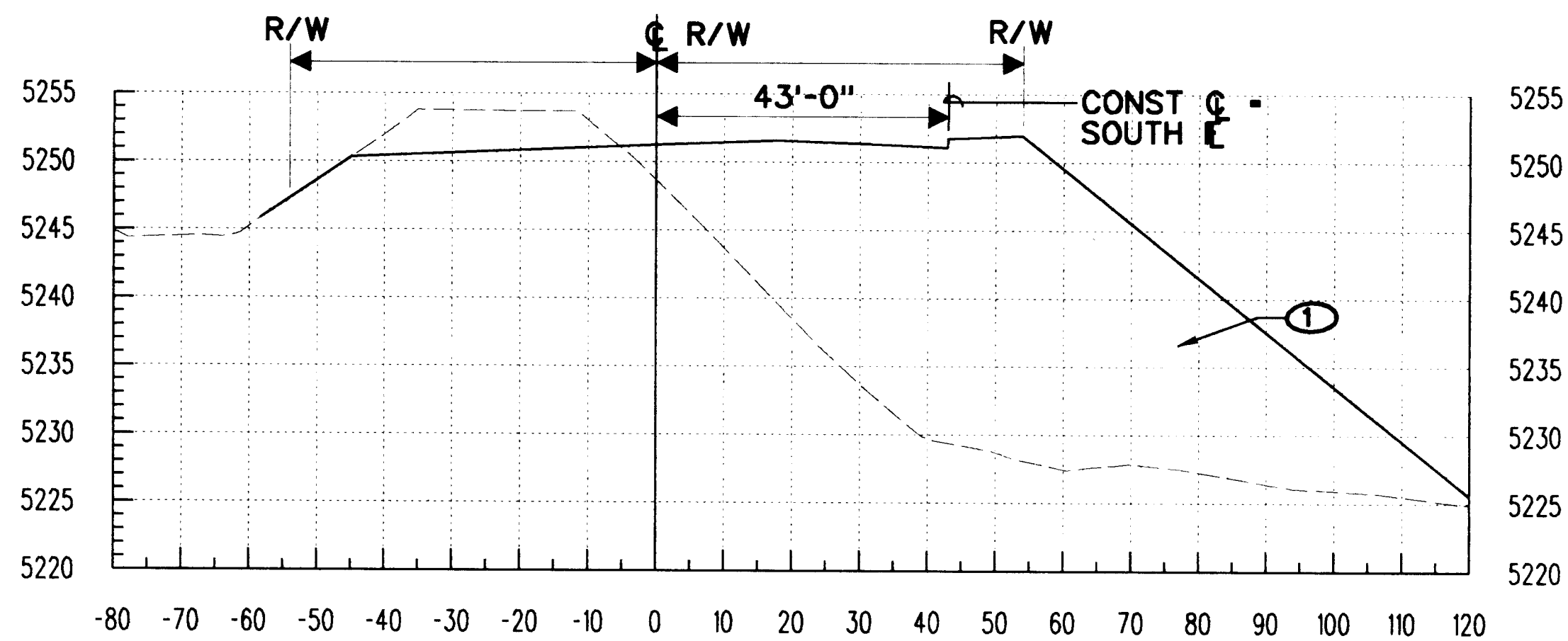
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: MCMAHON BLVD. RECONSTRUCTION CROSS SECTIONS - STATIONS 12+00 TO 21+00					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DR. CHAIRMAN	NA	8-21-95	WATER	NA	8-1-95
TRANSPORTATION	NA	7-19-95	WASTE WATER	NA	8-1-95
HYDROLOGY	NA	8-14-95			
PROJECT NO.	5208.90	MAP NO.	A-12	SHEET	16 OF 18

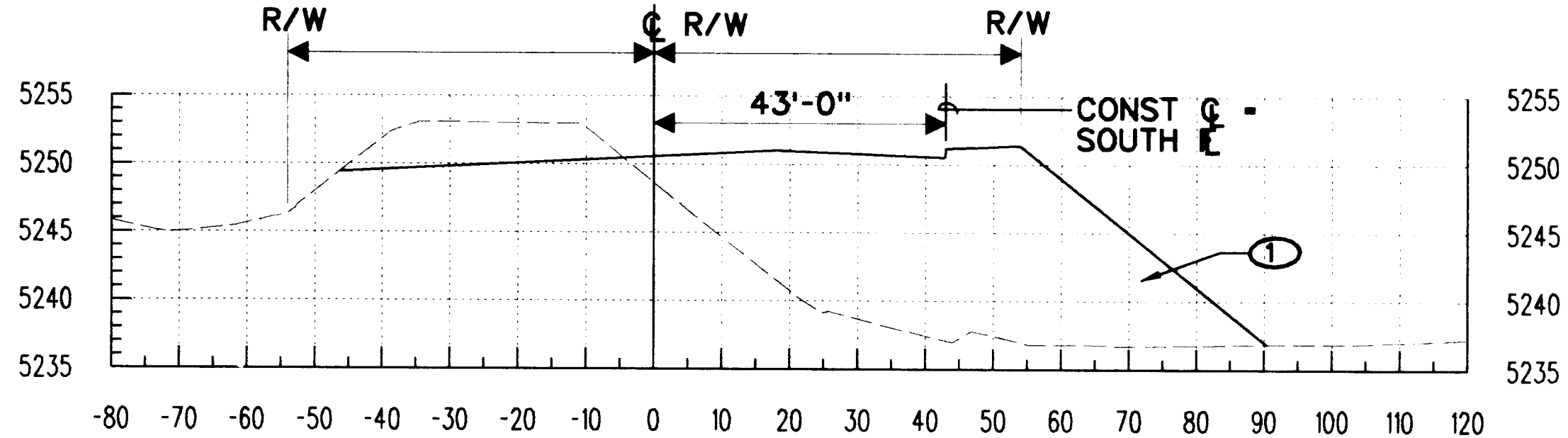
SCANNED BY
BY LASON



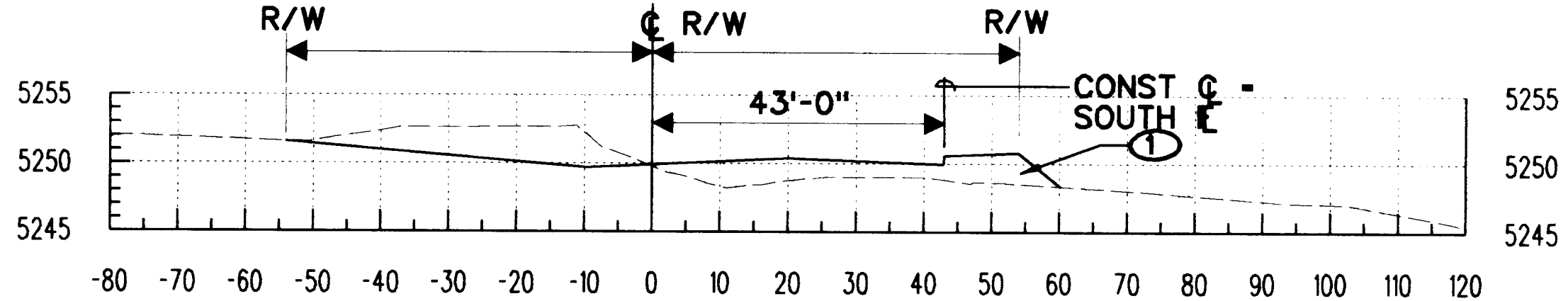
STATION 22+00



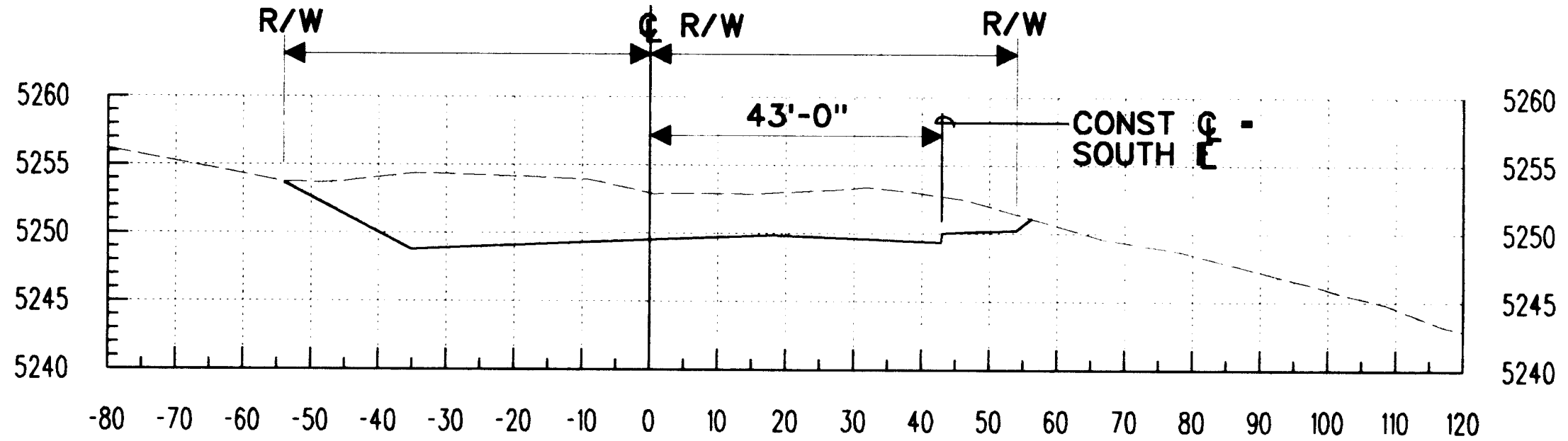
STATION 23+00



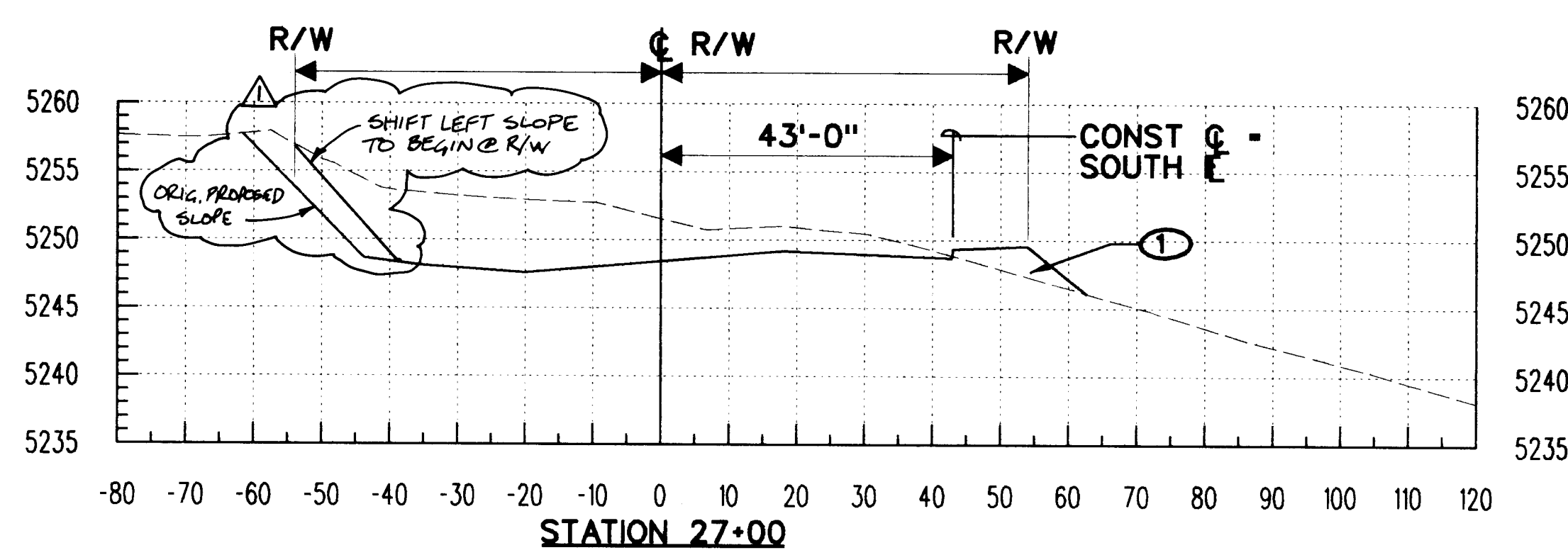
STATION 24+00



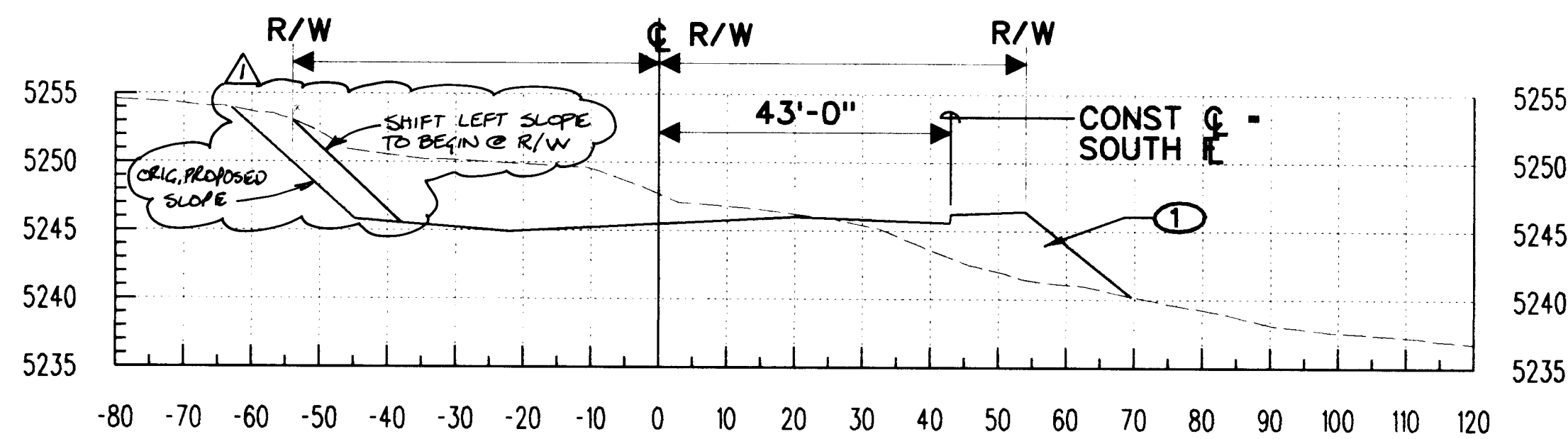
STATION 25+00



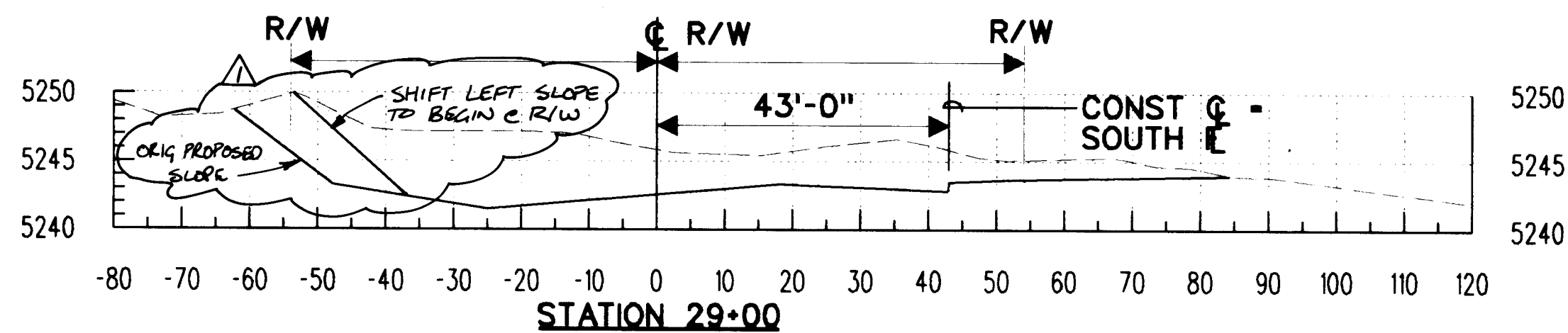
STATION 26+00



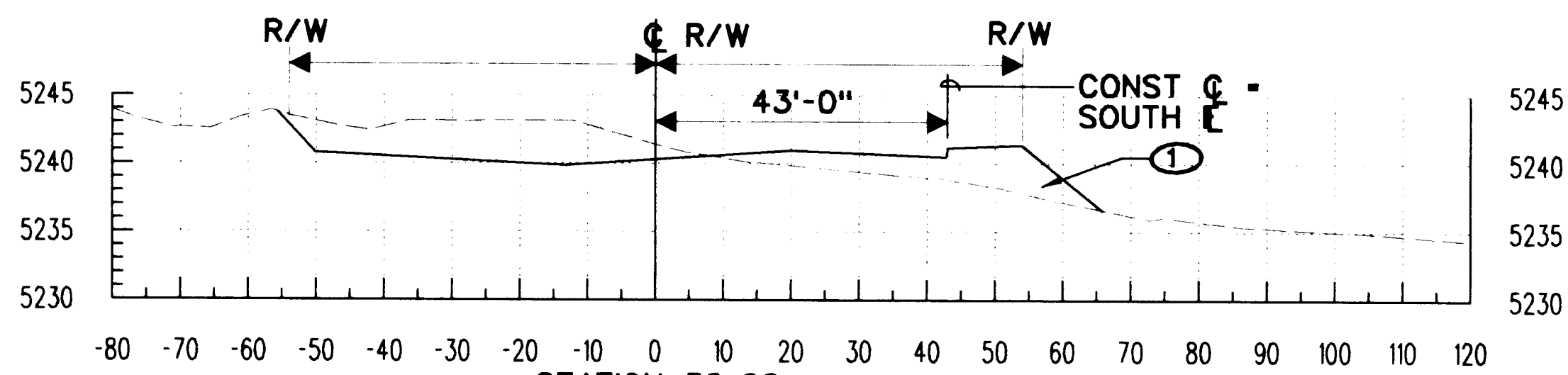
STATION 27+00



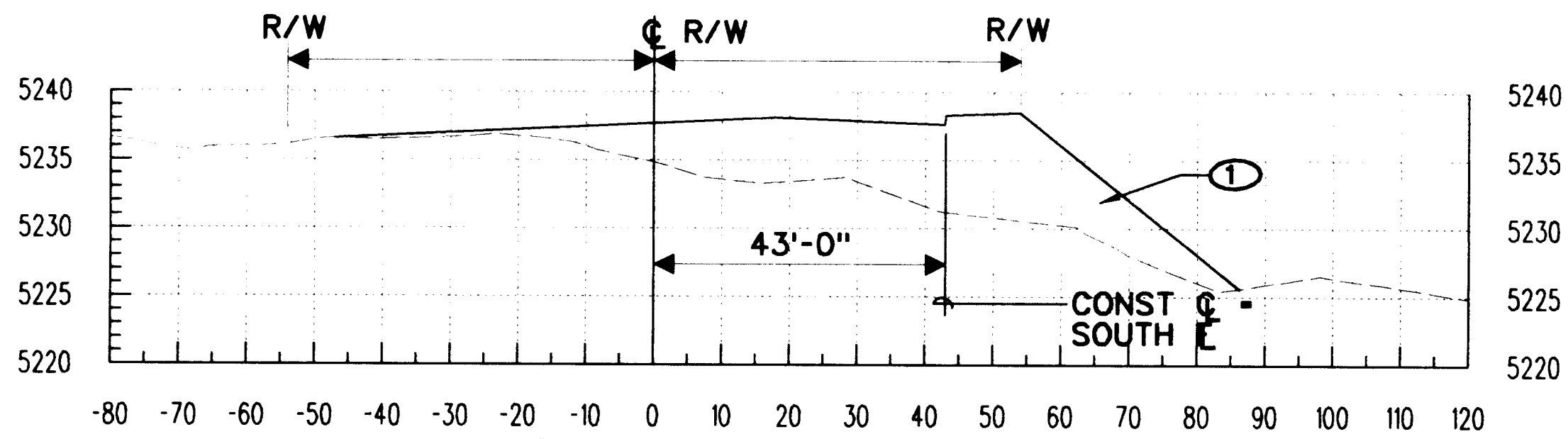
STATION 28+00



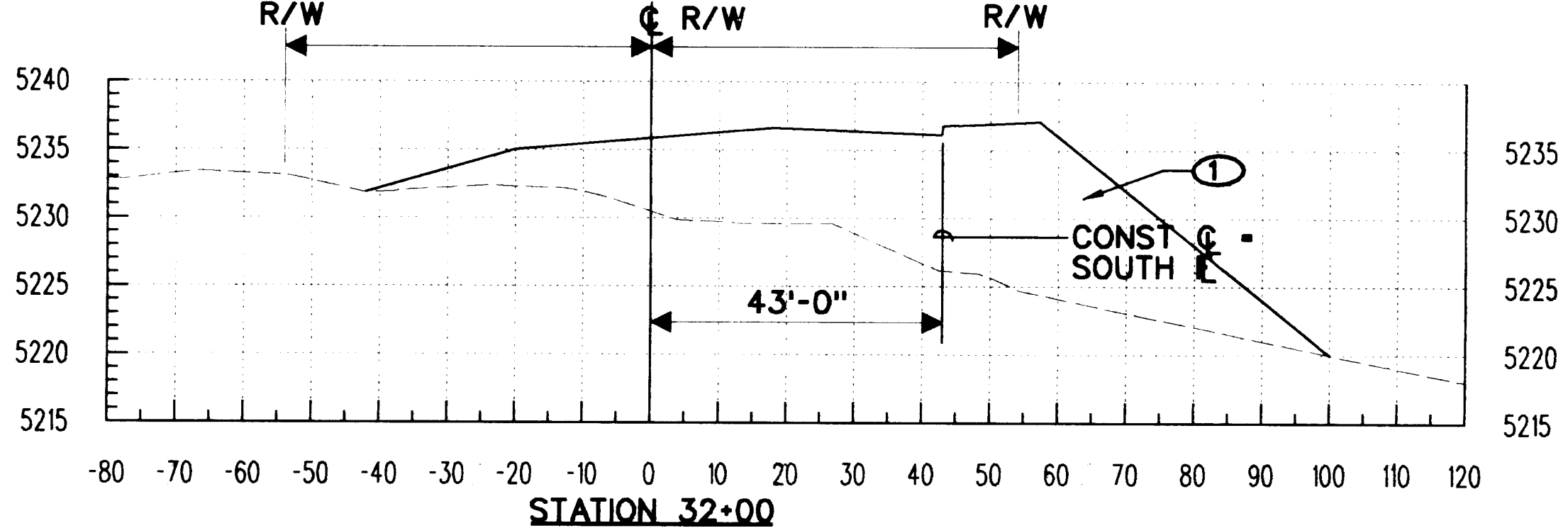
STATION 29+00



STATION 30+00



STATION 31+00



STATION 32+00

KEYED NOTES

- 1 CLEAR AND GRUB AREAS TO RECEIVE FILL. COMPACT FILL IN ACCORDANCE WITH SECTION 204, COA STD SPECS.

AS BUILT INFORMATION	
CONTRACTOR	NEW CONSTRUCTION
STAMPED BY	DATE
INSPECTED BY	DATE
FIELD BY	DATE
VERIFIED BY	DATE
RECORDED BY	DATE

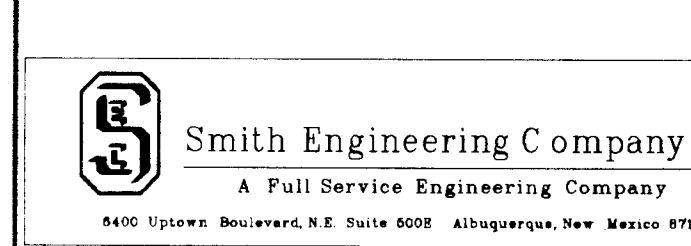
BENCH MARKS	
BENCH MARK IS USGS BRASS TABLET STAMPED "BLACK 2 1977"	
SET FLUSH WITH GROUND. SPIRIT LEVEL ELEV. 5213.926	
SURVEY TO ESTABLISH MCMAHON CL IS LOCAL SYSTEM UTILIZ-	
ING PUBLISHED X,Y COORDINATES FOR "BLACK 2 1977"	
TE FROM STA 13+00.00 CL MCMAHON TO "BLACK 2 1977" IS	
S 65°38'22" E A DISTANCE OF 3306.75 FEET	

SURVEY INFORMATION	
FIELD BY	DATE
12657 DAVID THOMPSON	7/6/95

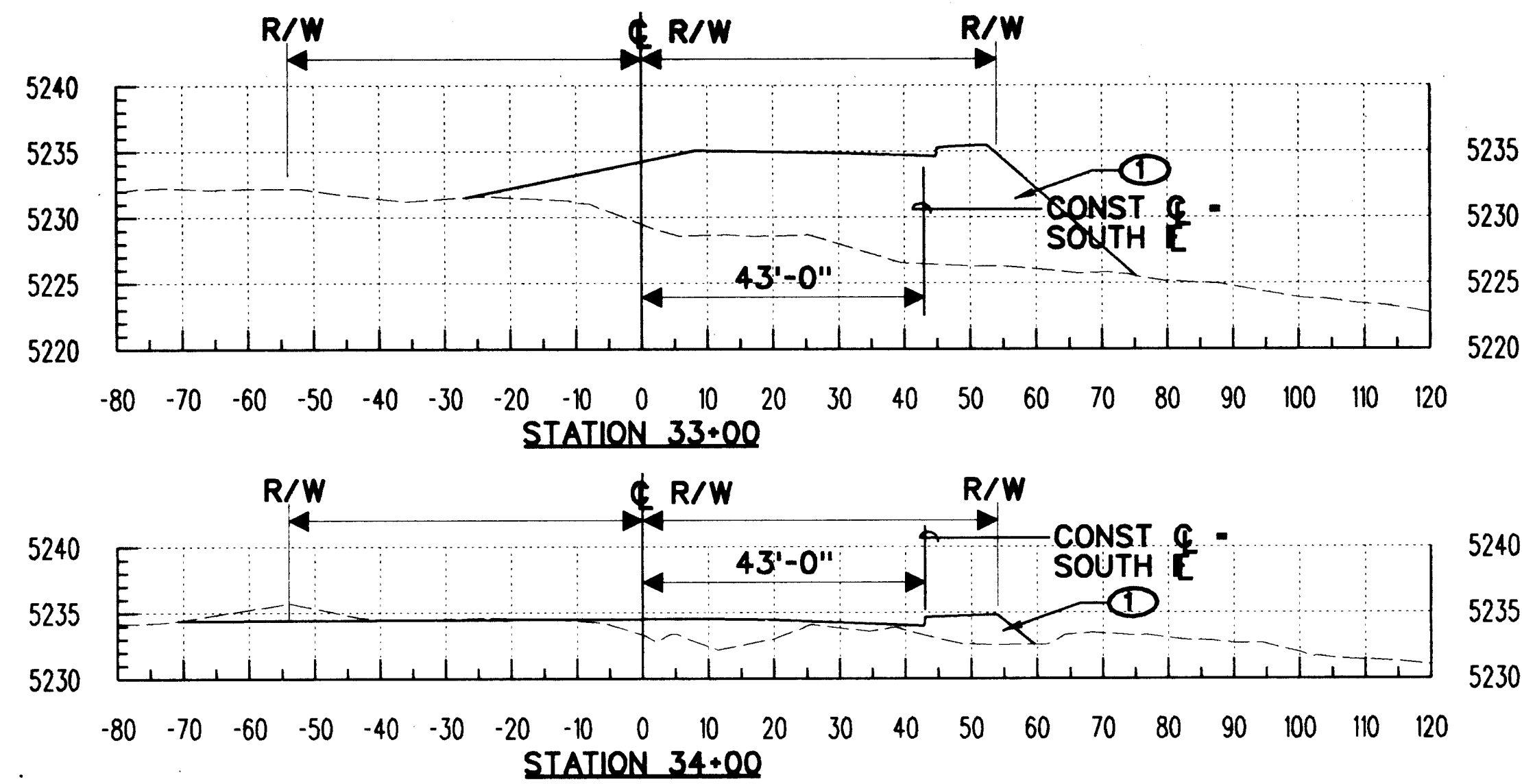
ENGINEER'S SEAL	
PAUL J. LONEY	7/6/95

REVISIONS	
NO.	DATE
1	7/6/95
DESIGNED BY	DATE
DRAWN BY	DATE
CHECKED BY	DATE

26-5208-90-1796



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: MCMAHON BLVD. RECONSTRUCTION CROSS SECTIONS - STATIONS 22+00 TO 32+00					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	B.G.B.	8-21-95	WATER	N/A	8-1-95
TRANSPORTATION	N/A	8-21-95	WASTE WATER	N/A	8-1-95
HYDROLOGY	N/A				
PROJECT NO.	5208.90	MAP NO.	A-12	SHEET	17 OF 18



KEYED NOTES

- CLEAR AND GRUB AREAS TO RECEIVE FILL. COMPACT FILL IN ACCORDANCE WITH SECTION 204, COA STD SPECS.

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	BENCH MARK IS USGS BRASS TABLE STAMPED "BLACK 2 1977"	DATE	FIELD NOTES	NO.	REMARKS	BY
DATE	DATE	SET FLUSH WITH GROUND. SPIRIT LEVEL ELEV - 5233.926.	7/6/95	BY	12657	DAVID THOMPSON	DAVID THOMPSON
DATE	DATE	SURVEY TO ESTABLISH MCMAHON CL IS LOCAL SYSTEM UTILIZ-					
DATE	DATE	ING PUBLISHED X,Y COORDINATES FOR "BLACK 2 1977".					
DATE	DATE	TIE FROM STA 13+00.00 CL MCMAHON TO "BLACK 2 1977" IS					
DATE	DATE	S 65°30'22" E, A DISTANCE OF 3306.75 FEET					

26-5208.90 1896

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: MCMAHON BLVD. RECONSTRUCTION CROSS SECTIONS - STATIONS 33+00 TO 34+00				
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER
DRC CHAIRMAN	8-21-95	8-21-95	WATER	N/A AWK
TRANSPORTATION	7-19-95	7-19-95	WASTE WATER	N/A AWK
HYDROLOGY	8-14-95	8-14-95		
PROJECT NO.	5208.90	MAP NO.	A-12	SHEET 18 OF 18