

SOUTHERN AVENUE IMPROVEMENTS

MOON STREET TO JUAN TABO BOULEVARD

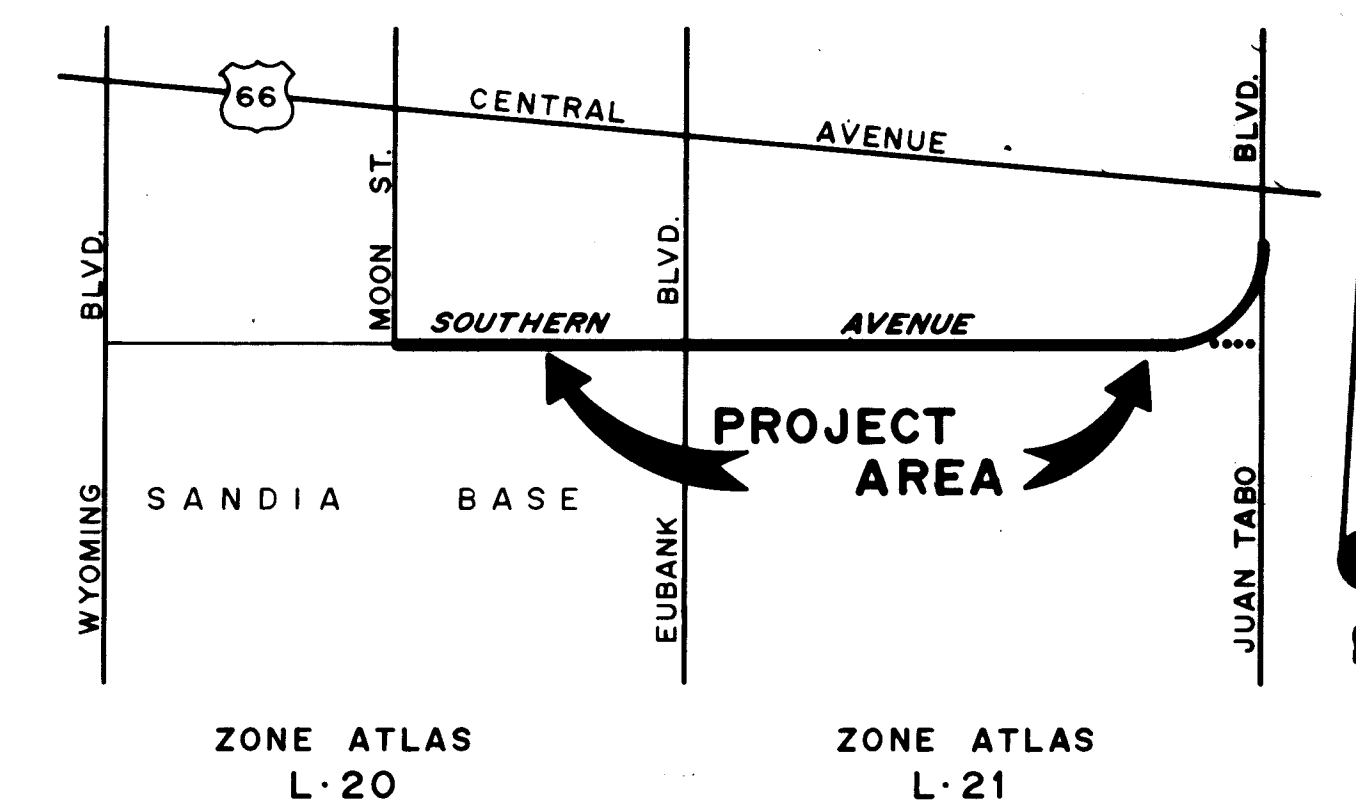
PLANS PREPARED FOR:

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

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2. SUMMARY OF QUANTITIES
3. TYPICAL STREET SECTIONS & LEGEND
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VICINITY MAP

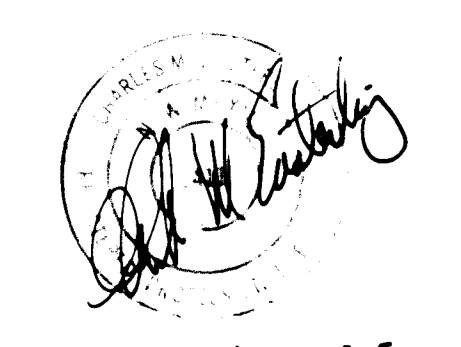
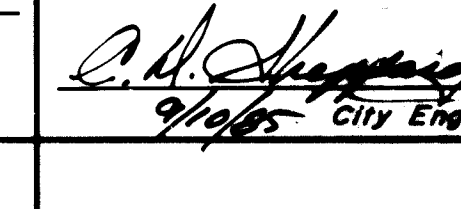


GENERAL NOTES

1. All work detailed on these plans to be performed under this Contract shall, except as otherwise stated or provided for in the Special Provisions of the Contract, be constructed in accordance with the City of Albuquerque Interim Standard Specifications for Public Works Construction - 1985 Edition.
2. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.
4. ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
5. BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
6. TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
7. SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHERE SHOWN ON CONSTRUCTION PLANS.
8. IF CURB IS DEPRESSED FOR A DRIVEPAD OR A HANDICAP RAMP, THE DRIVEPAD OR RAMP SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF THE CURB AND GUTTER.
9. ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 2223 1 9/85

REV.	SHEETS	CITY ENGINEER	DATE	USER	DEPT.	DATE	USER	DEPT.	DATE
	2	W. C. McHenry		W. C. McHenry			W. C. McHenry		
APPROVAL OF REVISIONS									

PLANS PREPARED UNDER DIRECTION OF:  DATE MAY 16, 1985	LEVERTON EASTERLING, INC. CONSULTING ENGINEERS 5629 PARADISE BLVD. NW ALBUQUERQUE, N.M. 87114 (505) 898-8021	APPROVED FOR CONSTRUCTION  City Eng.
PROJECT NO. 2223		SHEET 1 OF 10

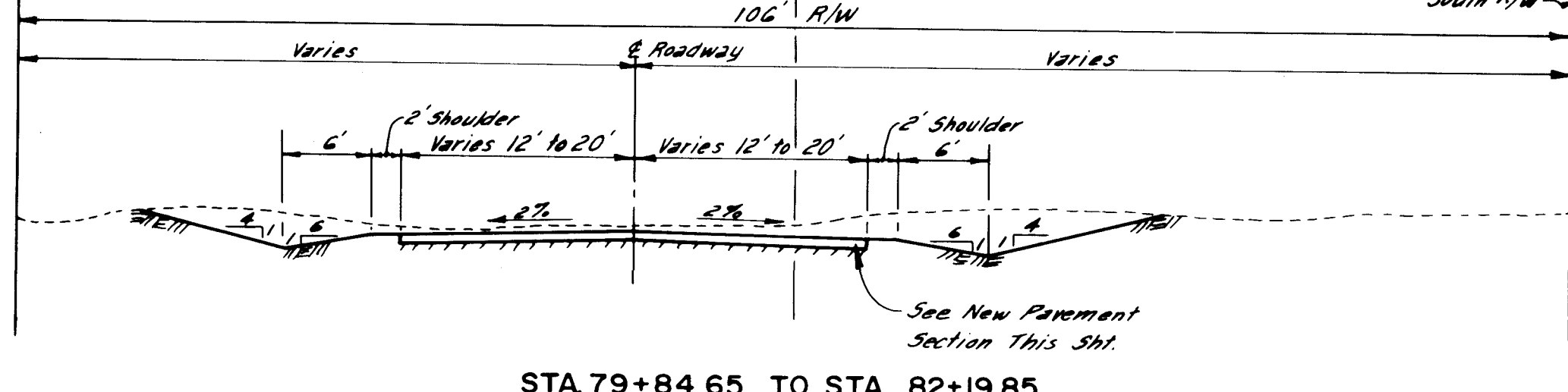
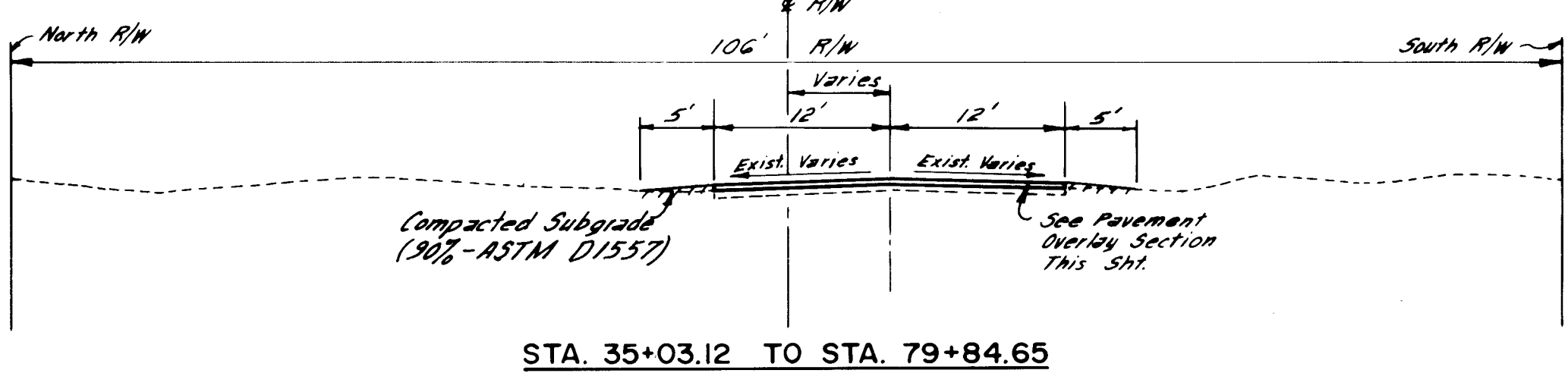
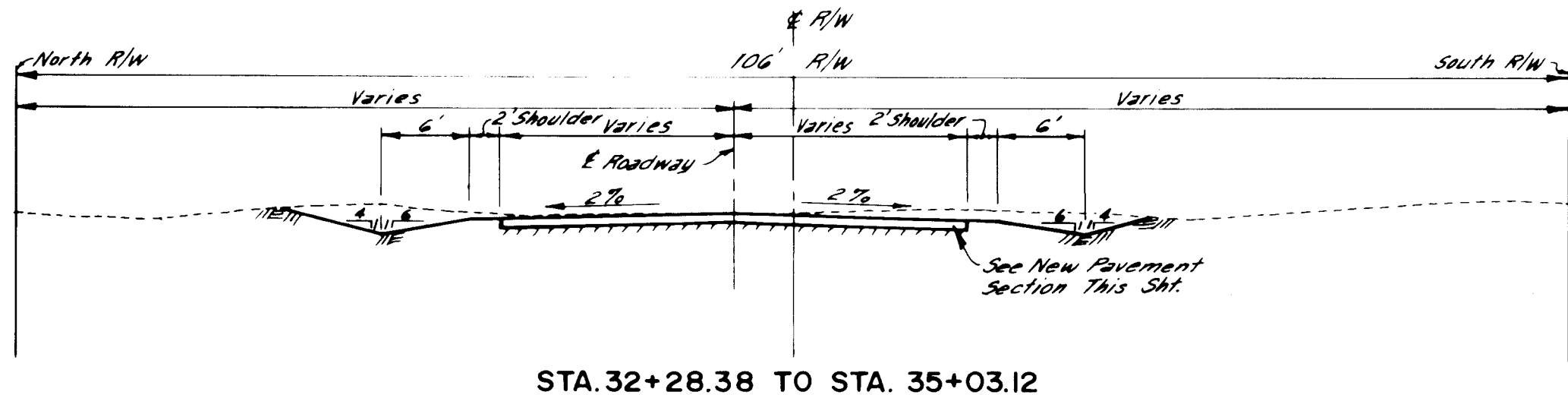
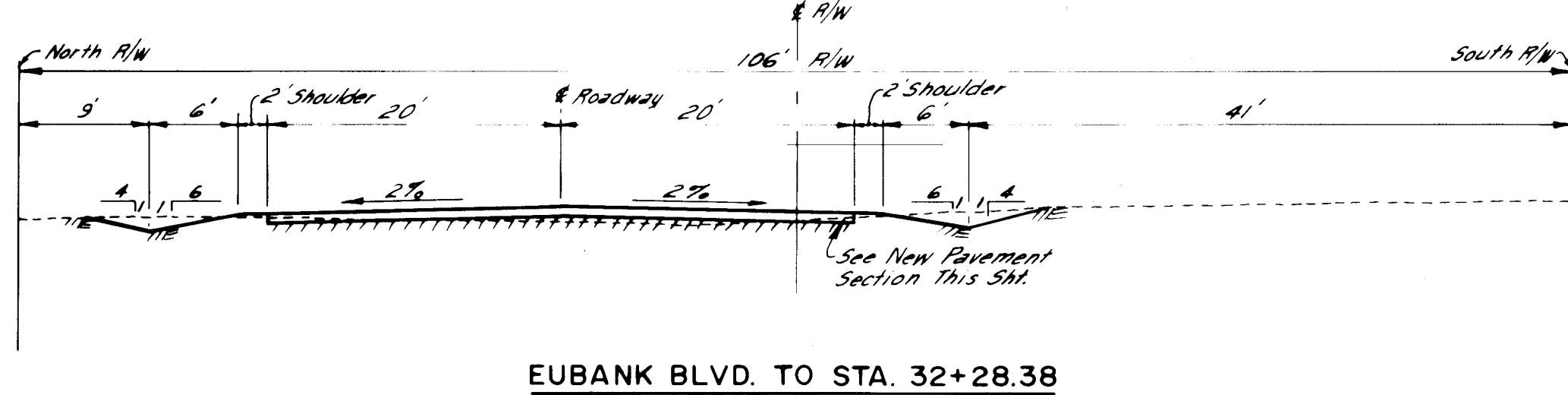
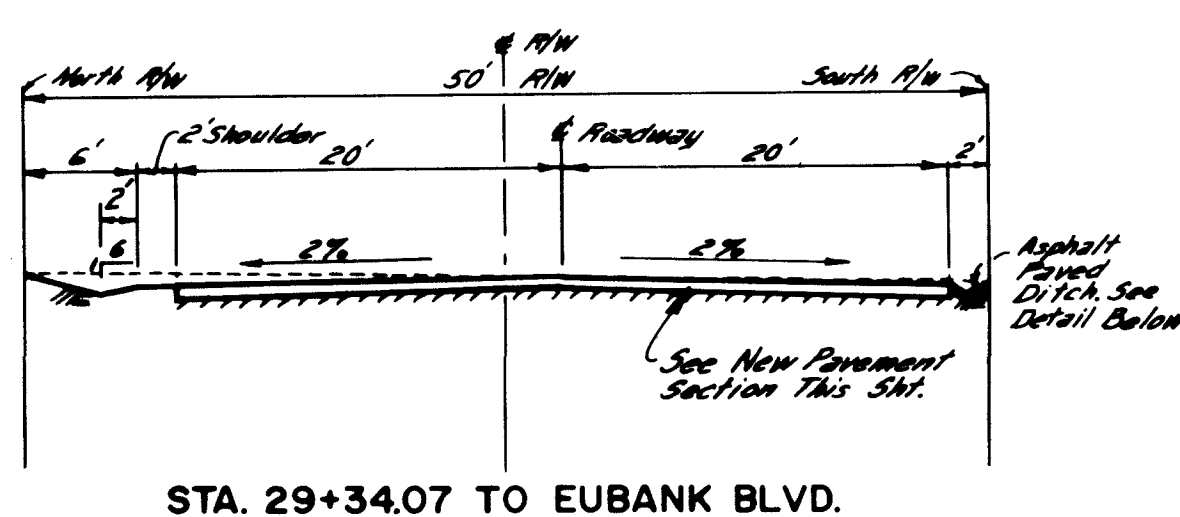
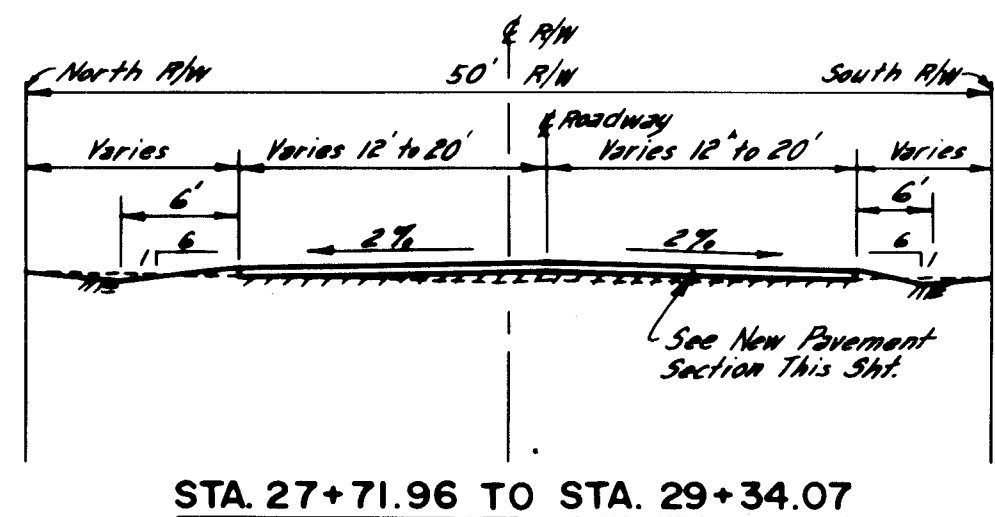
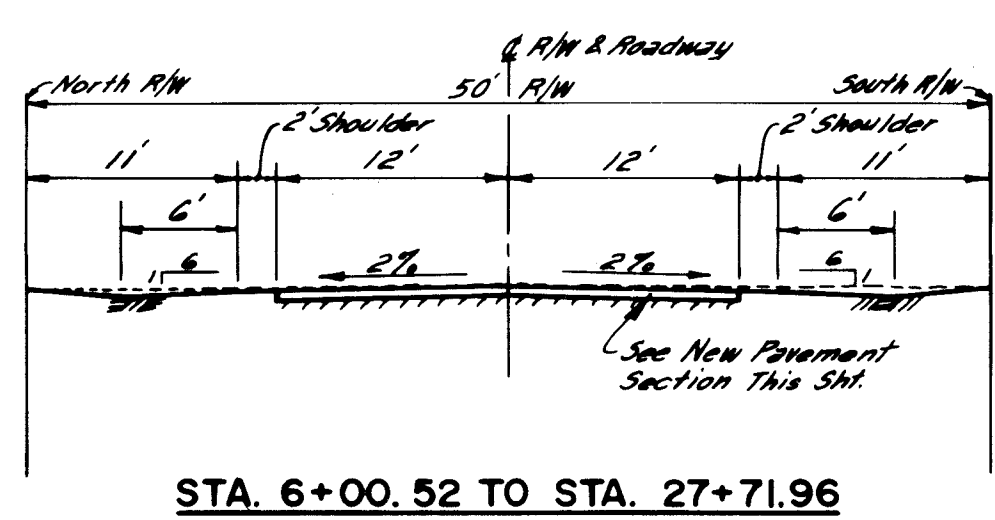
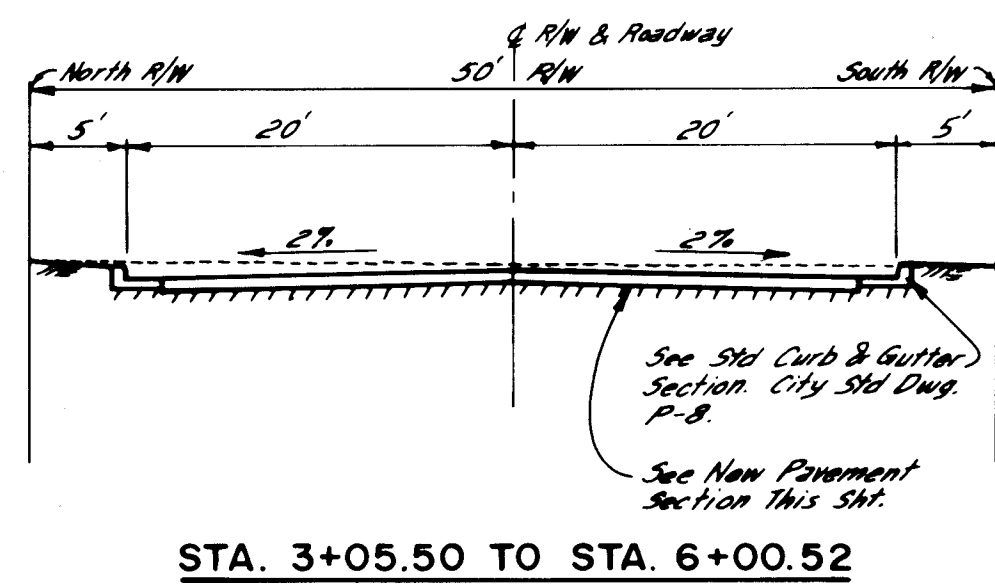
SUMMARY OF QUANTITIES					
ITEM	DESCRIPTION	UNIT	QUANTITY	ESTIMATE	FINAL
P-4	Grading for less than 2' excavation.	S.Y.	21,884		
P-10	Cutting, removal & disposal of existing asphaltic conc. paving where saw cutting is required.	S.Y.	2,259		
P-12	Removal of existing asphaltic concrete curb.	L.F.	35		
P-13	Removal & disposal of existing Portland cement concrete curb and gutter.	L.F.	120		
P-19	Process and compact existing material that has a soil bearing value of 20 or more, complete in place.	S.Y.	11,375		
P-22	Crushed gravel base course 6" thick, complete in place.	S.Y.	11,349		
P-25	Asphaltic conc. base course 1-1/2" thick, 1,500 lb. stability, machine laydown.	S.Y.	11,349		
P-30	Emulsified tack coat, complete in place.	S.Y.	23,308		
P-35	Asphaltic conc. surface course, 1-1/2" thick, 1,800 lb. stability, machine laydown.	S.Y.	11,349		
P-36	Asphaltic conc. surface course, 2" thick, 1,800 lb. stability, machine laydown.	S.Y.	12,011		
P-38	Machine-laid extruded asphalt curb, complete in place.	L.F.	67		
P-42	Portland cement conc. sidewalk, 4" thick, complete in place.	S.F.	75		
P-43	Portland cement conc. drivepad, 6" thick, complete in place.	S.F.	280		
P-46	Portland cement conc. standard curb and gutter, complete in place, including subgrade prep.	L.F.	513		
P-47	Portland cement conc. median curb and gutter, complete in place including subgrade prep.	L.F.	50		
P-50	Portland cement conc. header curb 6" thick, complete in place.	L.F.	132		
P-52	Adjusting MH frames to grade with masonry construction.	Ea.	4		
P-53	Adjust water valve boxes to grade.	Ea.	2		
M-28	Arterial paving removal and replacement without machine laydown where existing sub-base material can be processed and completed, in place.	S.Y.	20		
K-49	Portland cement plain conc. for cutoff walls, in place.	C.Y.	7		
	Seeding of unpaved areas within right-of-way <i>Delete</i>	L.S.	1		

APPROVED FOR
CONSTRUCTION
CITY ENGINEER DATE

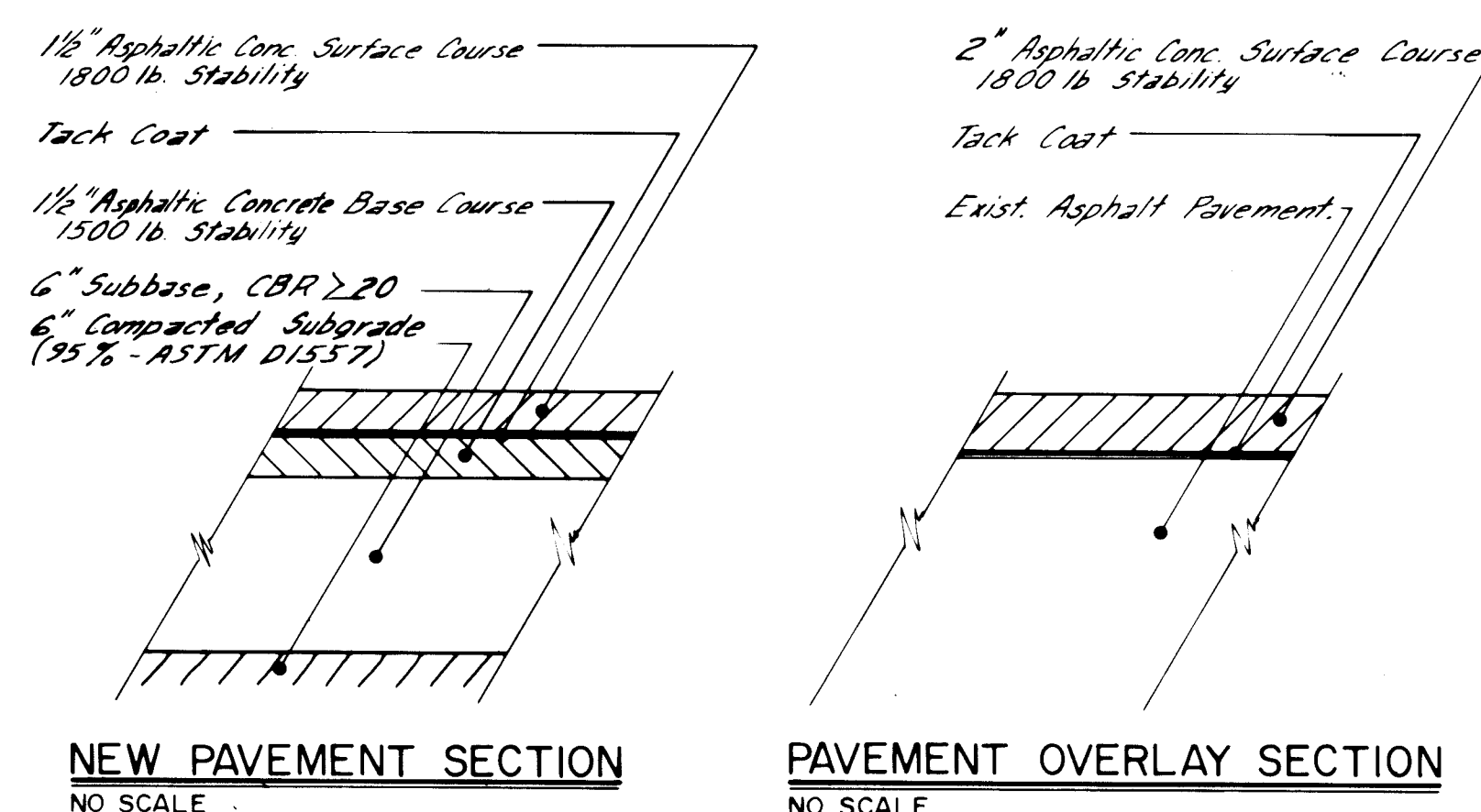
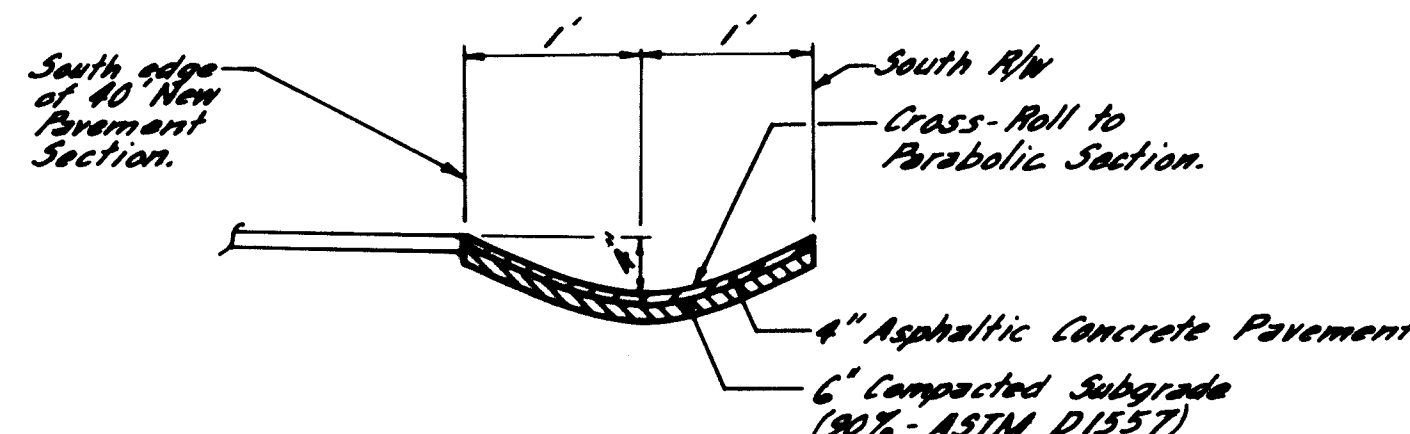
26 2223 0285

CITY OF ALBUQUERQUE TRANSPORTATION DEPARTMENT ENGINEERING DIVISION					
TITLE: SOUTHERN AVENUE IMPROVEMENTS MOON TO JUAN TABO BLVD.					
SUMMARY OF QUANTITIES					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	9/24/85	Liquid Waste	<i>[Signature]</i>	9/24/85
A.C.E. Design	<i>[Signature]</i>	9/24/85	Traffic	<i>[Signature]</i>	9/24/85
A.C.E. Hydrology	<i>[Signature]</i>	9/24/85	Water	<i>[Signature]</i>	9/24/85
DRAWING NO. 2223			SHEET 2 OF 10		

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		REFERENCES	
CONTRACTOR	DATE	NO.	DATE	NO.	DATE	MAP NO.	EST. NO.
DESIGNED BY	DATE	NO.	DATE	NO.	DATE	NO.	EST. NO.
CHECKED BY	DATE	NO.	DATE	NO.	DATE	NO.	EST. NO.
RECORDED BY	DATE	NO.	DATE	NO.	DATE	NO.	EST. NO.
NO.	DATE	NO.	DATE	NO.	DATE	NO.	EST. NO.



TYPICAL STREET SECTIONS
SCALE: 1" = 10'



DESCRIPTION	EXISTING	NEW
CURB & GUTTER	=====	=====
NEW PAVEMENT SECTION		=====
NEW PAVEMENT OVERLAY		=====
CONTOURS	-----	-----
WATER LINE	-----	-----
WATER VALVE	○	○
FIRE HYDRANT	○	○
SANITARY SEWER LINE	-----	-----
SANITARY SEWER MANHOLE	○	○
POWER POLE	○	○
UNDERGROUND TELEPHONE	-----	-----
CABLE TELEVISION	-----	-----
GAS LINE	-----	-----
RIGHT OF WAY LINE	-----	-----

APPROVED FOR
CONSTRUCTION
CITY ENGINEER DATE

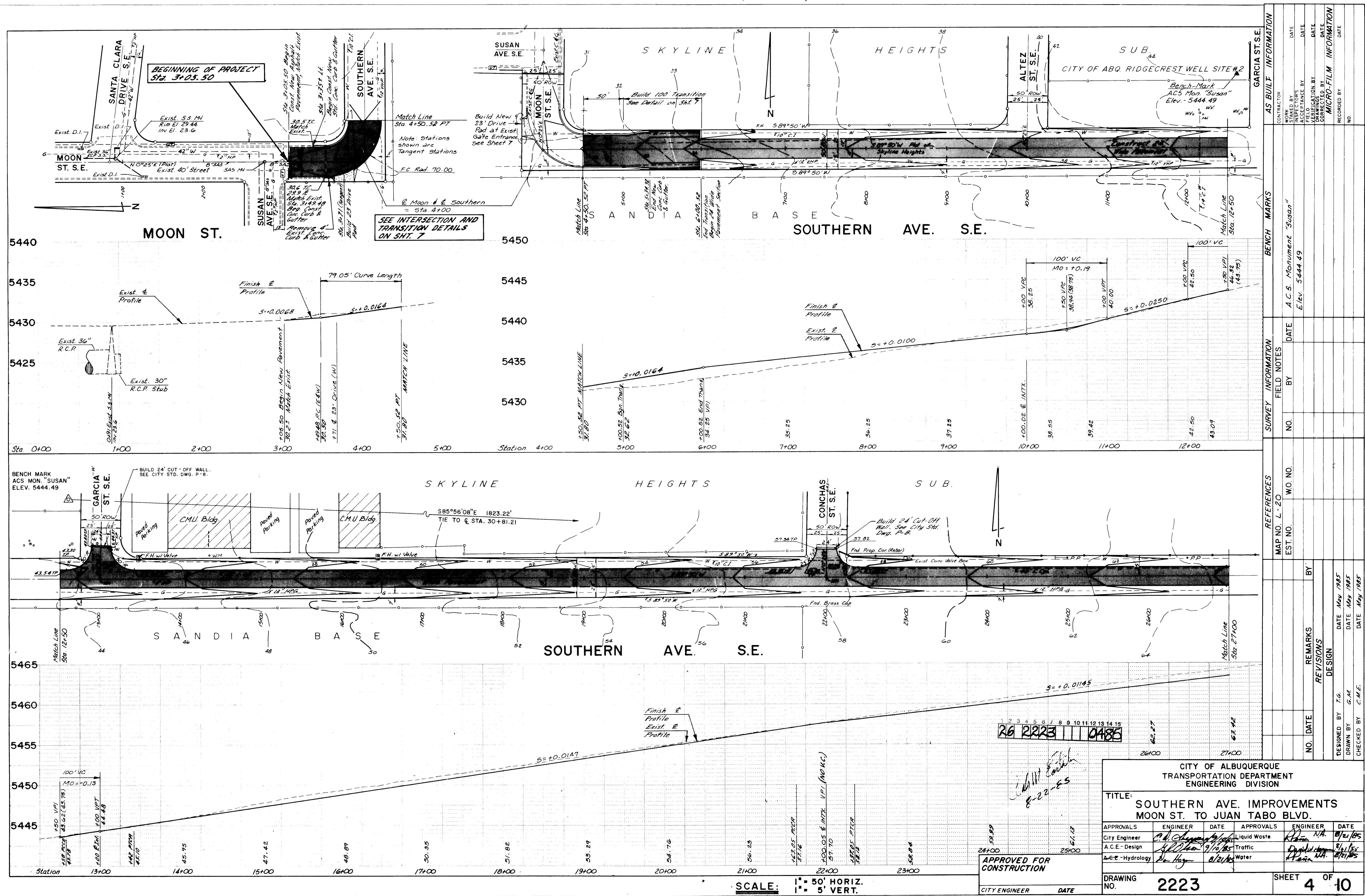
CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION

TITLE: SOUTHERN AVENUE IMPROVEMENTS
MOON TO JUAN TABO BLVD.
TYPICAL SECTIONS & LEGEND

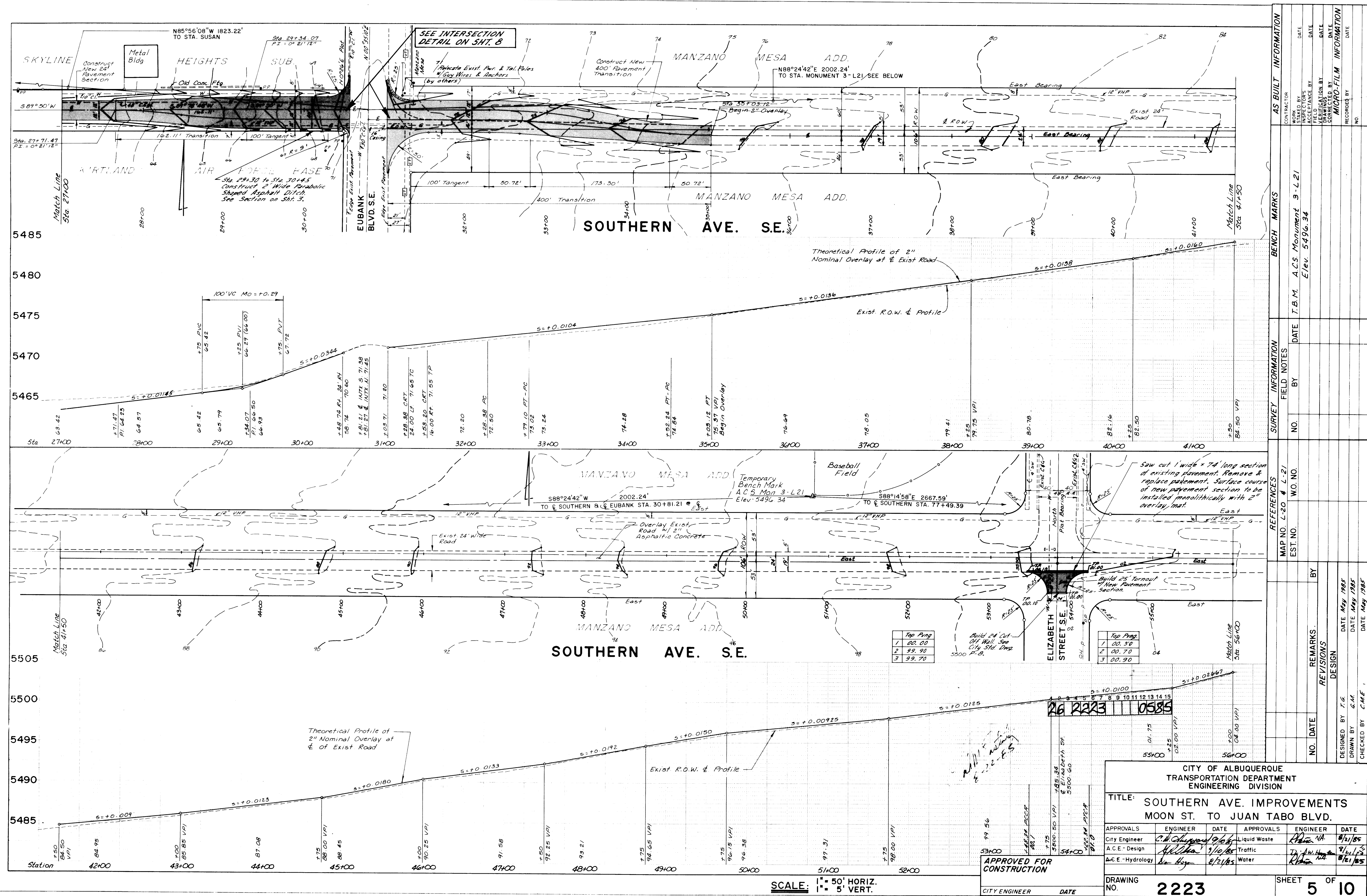
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water		

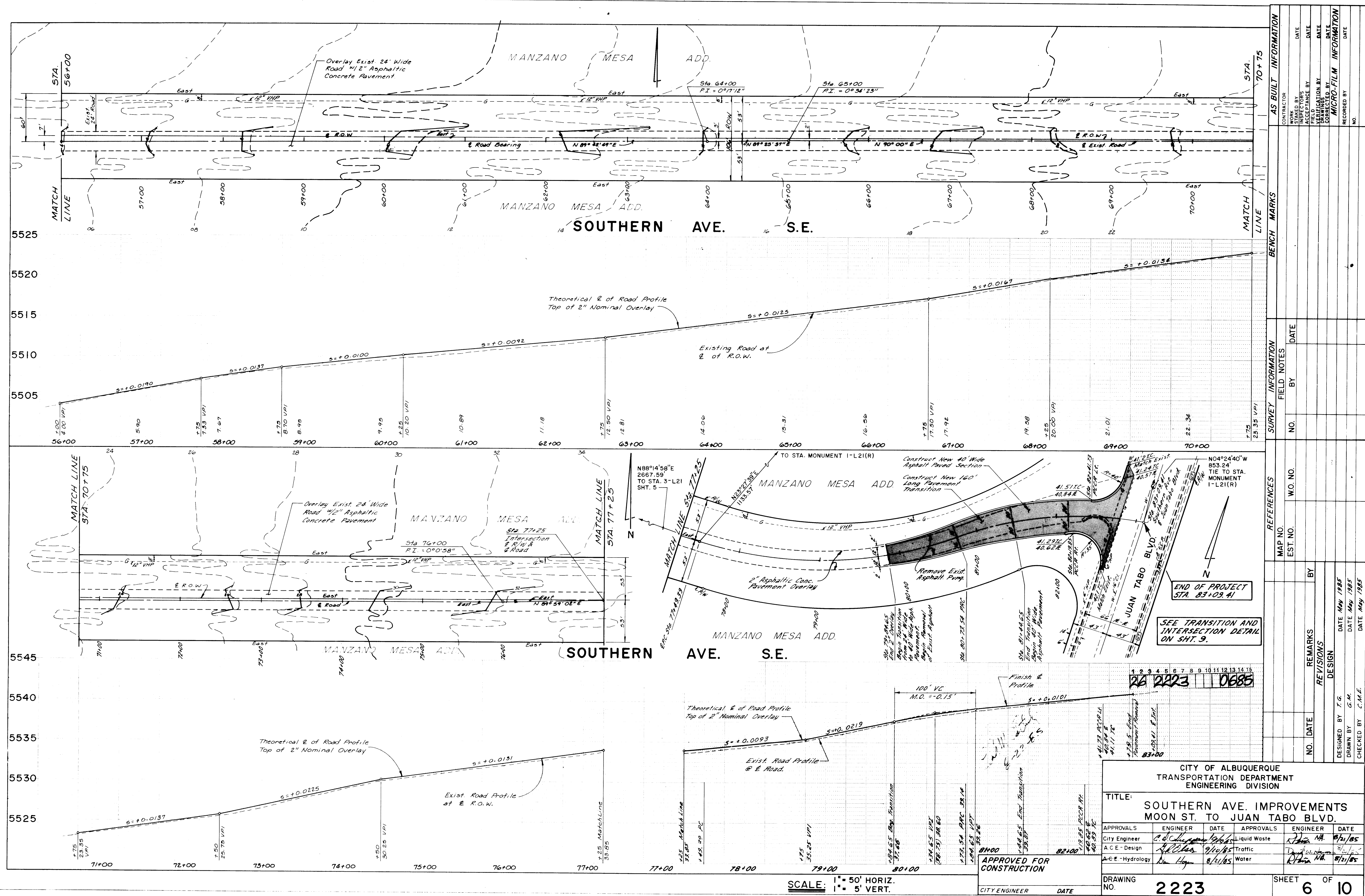
DRAWING NO. 2223 SHEET 3 OF 10

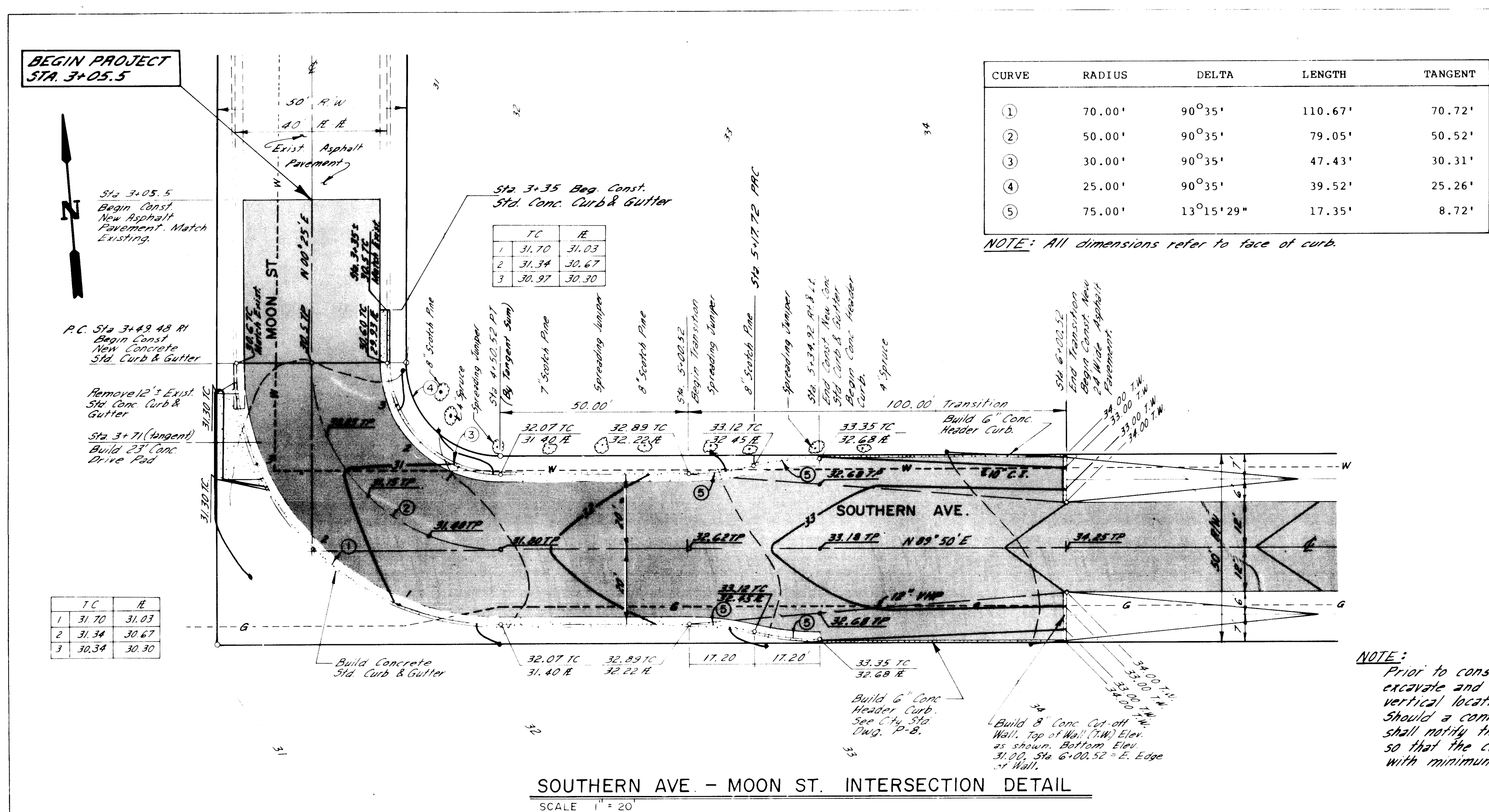
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CONTRACT NO.	DATE	MARK	DATE	FIELD NO.	DATE	MAP NO.	DATE
PROJECT NO.	DATE			NO.	DATE	EST. NO.	DATE
DESIGNED BY	DATE			NO.	DATE		DATE
CHECKED BY	DATE			NO.	DATE		DATE
RECORDED BY	DATE			NO.	DATE		DATE
	DATE			NO.	DATE		DATE



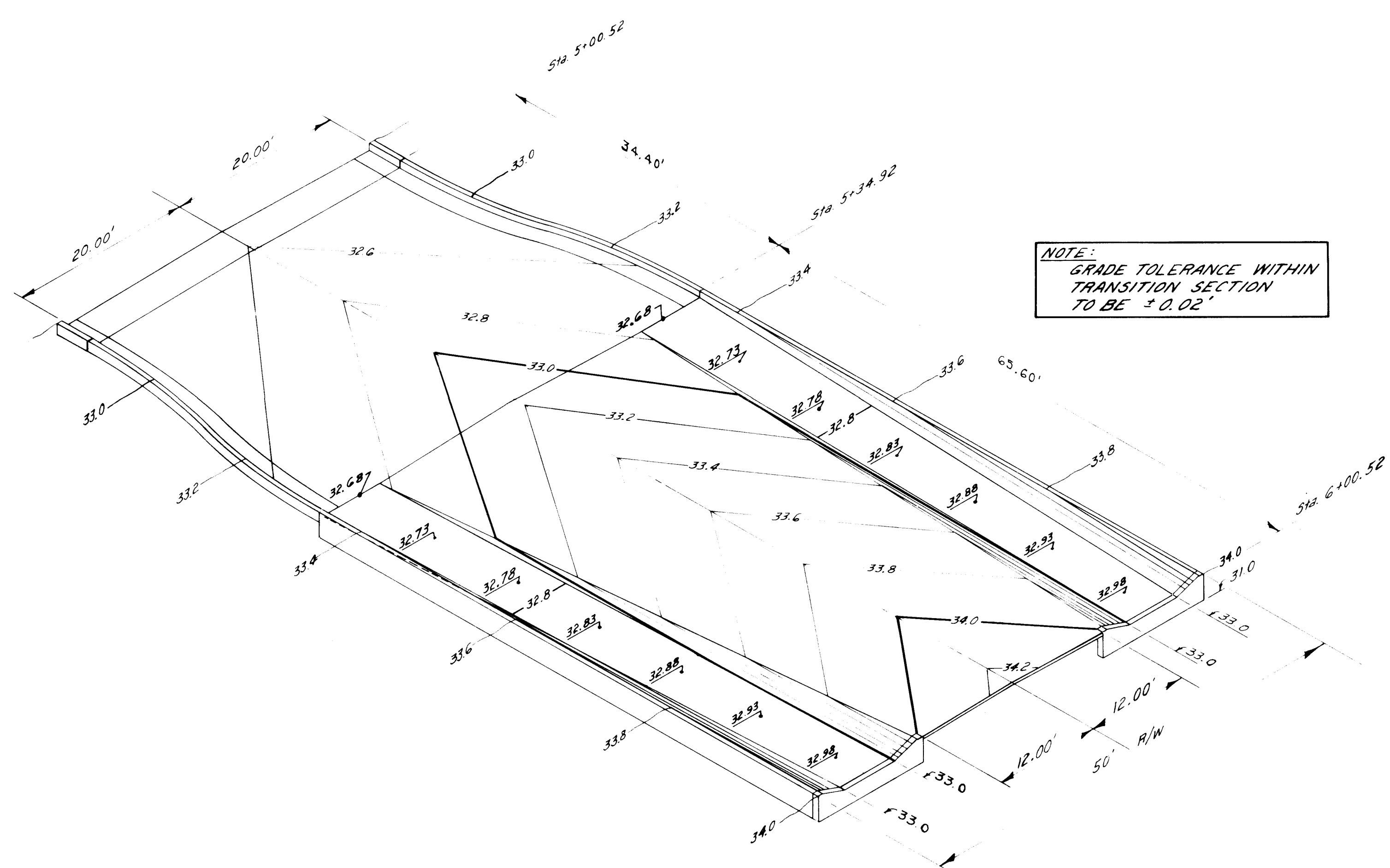
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CONTRACTOR	DATE	BY	DATE	CONTRACTOR	DATE	BY	DATE
ENGINEER	DATE	BY	DATE	ENGINEER	DATE	BY	DATE
INSPECTOR	DATE	BY	DATE	INSPECTOR	DATE	BY	DATE
RECORDING	DATE	BY	DATE	RECORDING	DATE	BY	DATE
MICRO-FILM INFORMATION				SURVEY INFORMATION			
NO.	DATE	BY	DATE	NO.	DATE	BY	DATE
REFERENCES				REFERENCES			
MAP NO. L-20	EST. NO.	W.O. NO.	DATE	MAP NO. L-20	EST. NO.	W.O. NO.	DATE
REVISIONS				REVISIONS			
NO.	DATE	BY	DATE	NO.	DATE	BY	DATE
DESIGNED BY T.G.				DESIGNED BY T.G.			
DRAWN BY G.M.				DRAWN BY G.M.			
CHECKED BY C.M.E.				CHECKED BY C.M.E.			



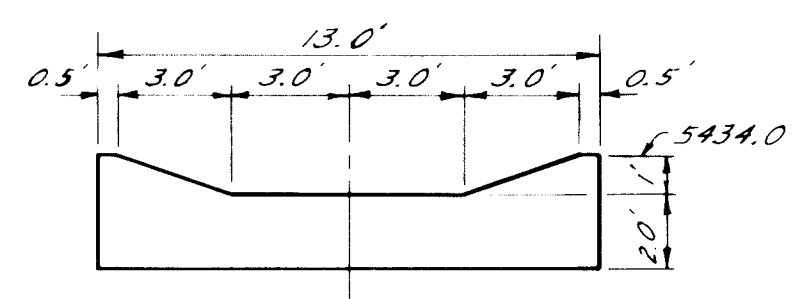




NOTE: Prior to construction, the contractor shall excavate and verify the horizontal and vertical locations of all obstructions. Should a conflict exist, the contractor shall notify the engineer or surveyor so that the conflict can be resolved with minimum amount of delay.



CHANNEL & ROAD TRANSITION
SOMETRIC VIEW
SCALE: 1" = 10'



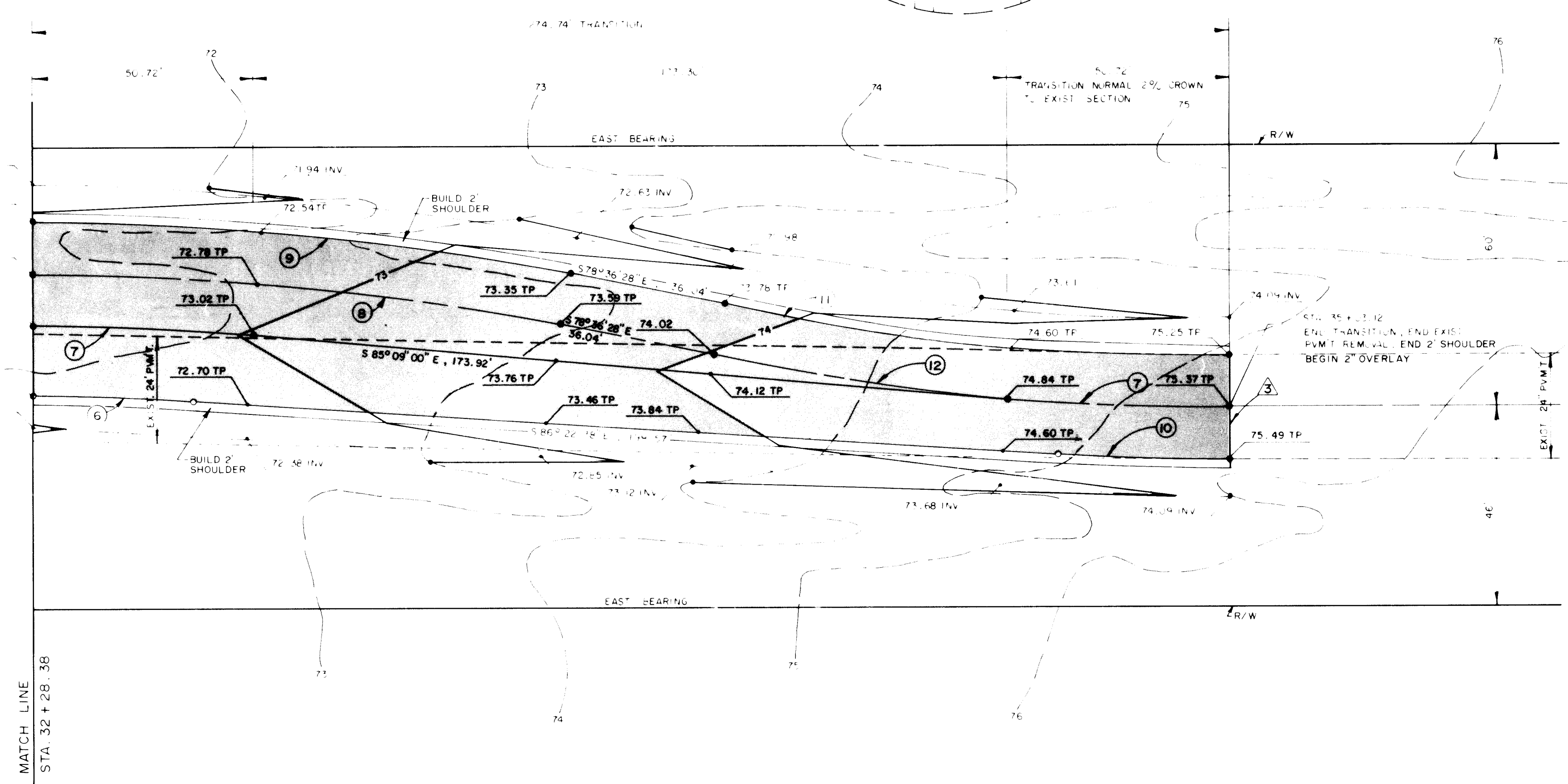
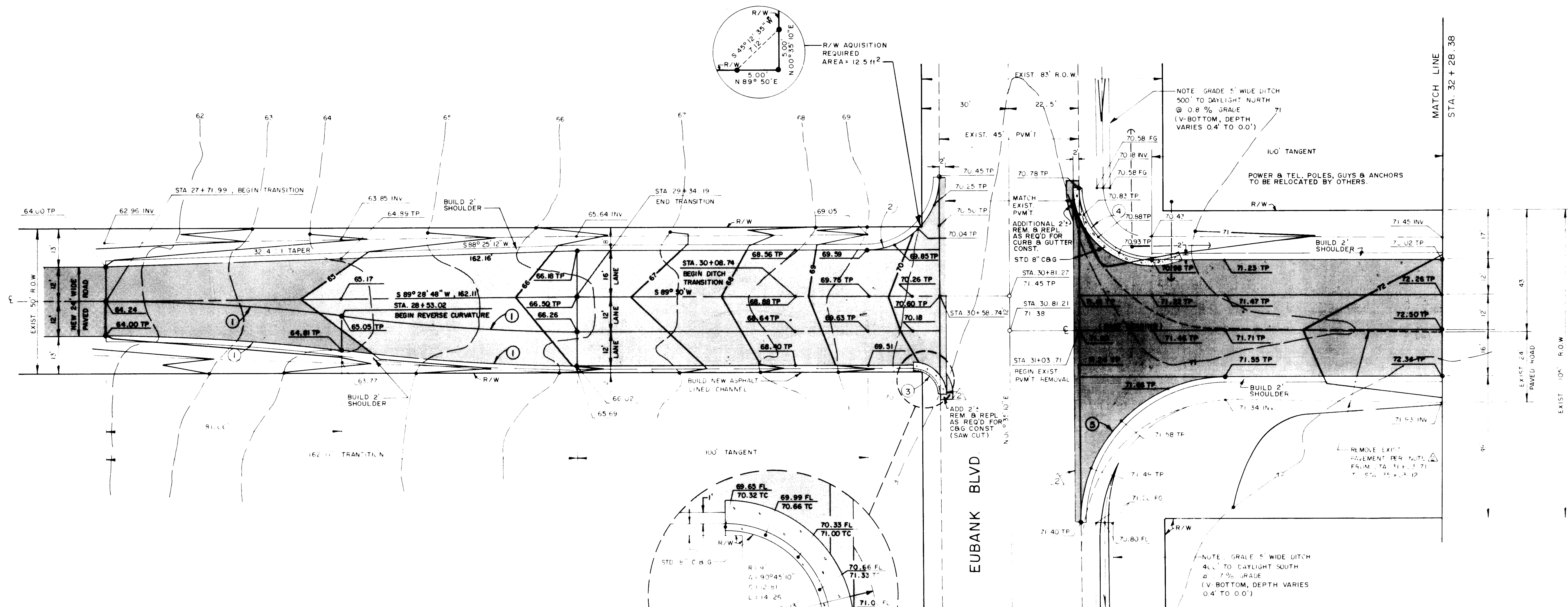
CUT-OFF WALL DETAIL
SCALE: 1" = 5'

APPROVED FOR
CONSTRUCTION

CITY ENGINEER DATE

CITY OF ALBUQUERQUE TRANSPORTATION DEPARTMENT ENGINEERING DIVISION					
TITLE: SOUTHERN AVENUE IMPROVEMENTS MOON TO JUAN TABO BLVD					
SOUTHERN AVE - MOON ST. INTERSECTION DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	9/4/85	Public Works	<i>[Signature]</i>	9/4/85
D.C.E. Design	<i>[Signature]</i>	7/16/85	Traffic	<i>[Signature]</i>	7/16/85
D.C.E. Hydrology	<i>[Signature]</i>	8/4/85	Water	<i>[Signature]</i>	8/4/85
DRAWING NO. 2223			SHEET 7 OF 10		

AS BUILT INFORMATION		BEACH MARKS		SURVEY INFORMATION		REFERENCES	
DATE	BY	DATE	BY	NO	DATE	MAP NO	EST NO
MICRO-FILM INFORMATION							
DATE	BY						



CURVE	RADIUS	DELTA	LENGTH	TANGENT
①	600.00'	3°45'50"	81.30'	40.73'
②	25.00'	89°14'50"	38.94'	24.67'
③	9.00'	90°45'10"	14.26'	9.12'
④	25.00'	90°35'10"	35.53'	25.26'
⑤	50.00'	89°24'50"	78.03'	49.49'
⑥	584.00'	3°37'22"	36.93'	18.47'
⑦	600.00'	4°51'00"	50.79'	25.41'
⑧	612.00'	11°23'34"	121.69'	61.05'
⑨	624.00'	11°23'34"	124.08'	62.24'
⑩	612.00'	3°37'22"	38.70'	19.35'
⑪	588.00'	11°23'34"	116.92'	58.55'
⑫	600.00'	11°23'34"	119.30'	59.85'

NOTE: ALL DIMENSIONS REFER TO FACE OF CURB

NOTES:

1. GRADES BETWEEN SPOT ELEVATIONS, NOT DESIGNATED WITHIN VERTICAL CURVES ON PROFILE SHEETS, ARE CONSIDERED TO BE STRAIGHT.
2. SAW-CUT EXISTING PAVEMENT SECTION 2' FROM EDGE OF PAVEMENT. REMOVE 2" STRIP & REPLACE ANY DISTURBED SUB-BASE MATERIAL & COMPACT TO 95% IN ACCORDANCE WITH ASTM D-1557. RE-APPLY ARTERIAL PAVEMENT PER CITY STD. DWG. P-7.
3. SAW-CUT EXISTING PAVEMENT, REMOVE EXISTING PAVEMENT SECTION & REPLACE WITH NEW PAVEMENT SECTION SHOWN ON SHEET 3.

2	3	4	5	6	7	8	9	10	11	12	13	14	15
26		22	23							08	85		

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION

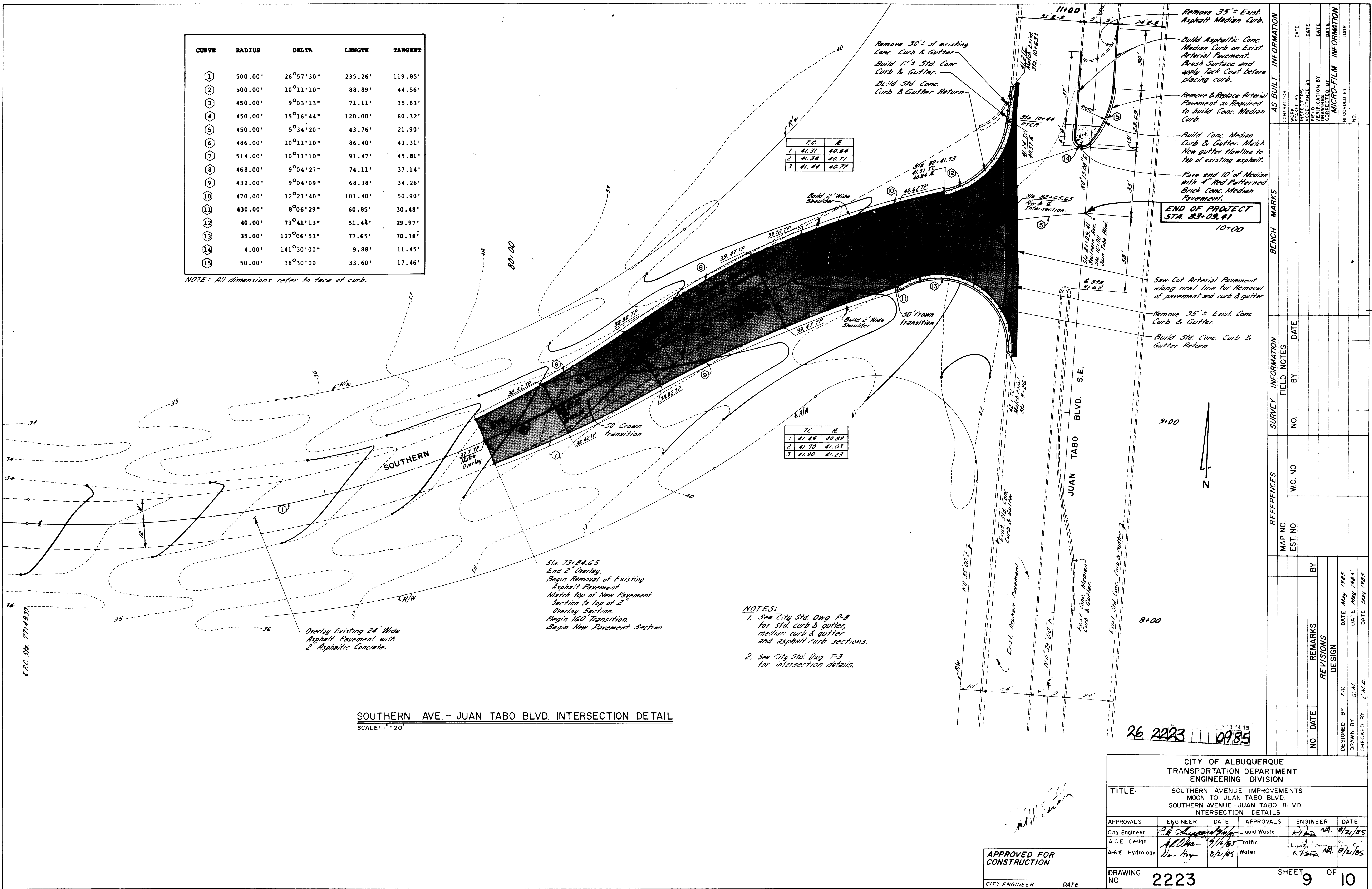
TITLE: SOUTHERN AVENUE IMPROVEMENTS
MOON TO JUAN TABO BLVD.
SOUTHERN AVE - EUBANK BLVD. INTERSECTION

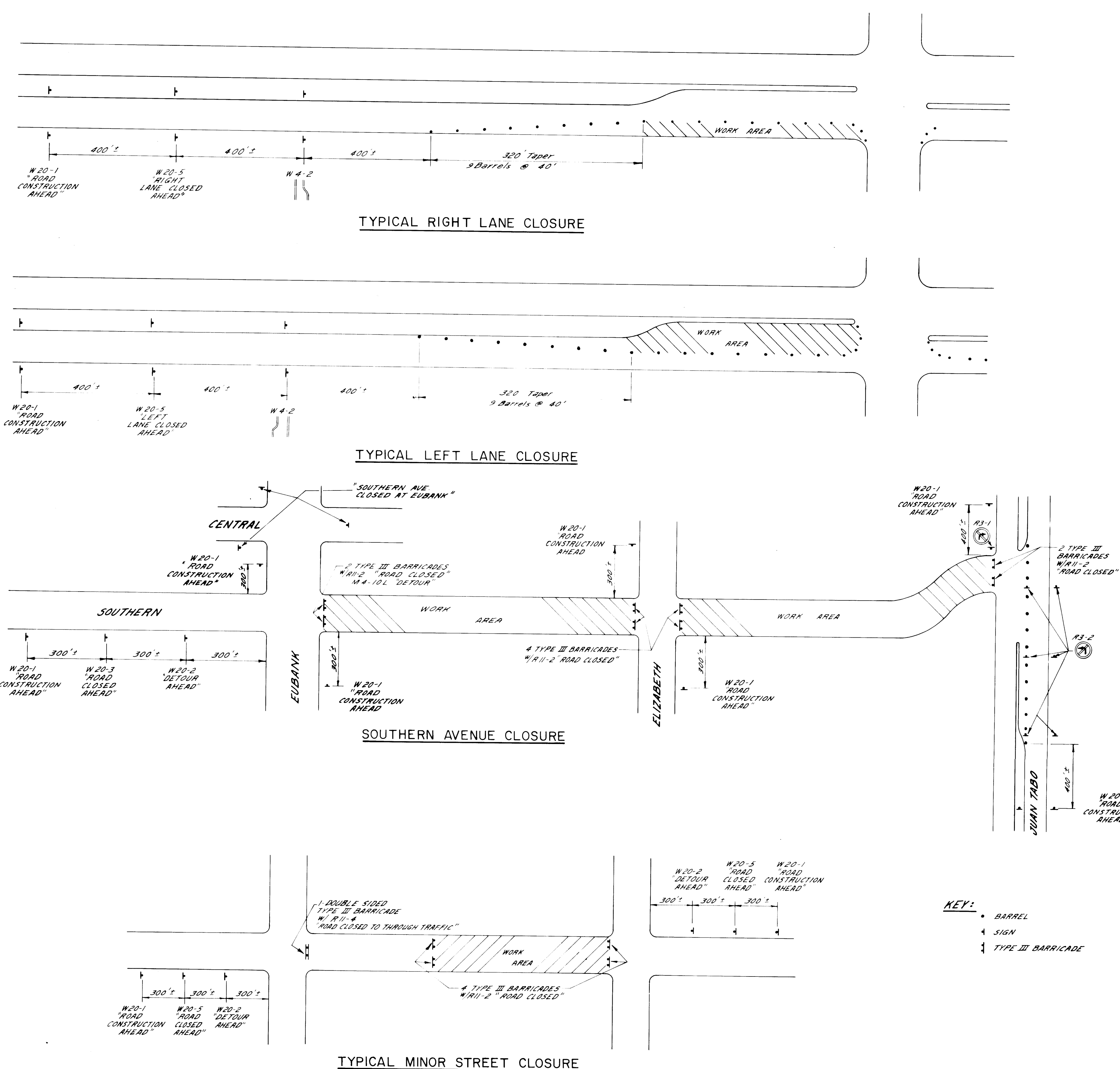
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	7/10/85	Liquid Waste	<i>[Signature]</i> N.A.	8/21/85
A CE - Design	<i>[Signature]</i>	7/10/85	Traffic	<i>[Signature]</i> N.A.	8/21/85
A CE - Hydrology	<i>[Signature]</i>	8/1/85	Water	<i>[Signature]</i> N.A.	8/21/85

DRAWING NO.	2223	MAP NO.	SHEET 8 OF 10
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CURVE	RADIUS	DELTA	LENGTH	TANGENT
1	500.00'	26°57'30"	235.26'	119.85'
2	500.00'	10°11'10"	88.89'	44.56'
3	450.00'	9°03'13"	71.11'	35.63'
4	450.00'	15°16'44"	120.00'	60.32'
5	450.00'	5°34'20"	43.76'	21.90'
6	486.00'	10°11'10"	86.40'	43.31'
7	514.00'	10°11'10"	91.47'	45.81'
8	468.00'	9°04'27"	74.11'	37.14'
9	432.00'	9°04'09"	68.38'	34.26'
10	470.00'	12°21'40"	101.40'	50.90'
11	430.00'	8°06'29"	60.85'	30.48'
12	40.00'	73°41'13"	51.44'	29.97'
13	35.00'	127°06'53"	77.65'	70.38'
14	4.00'	141°30'00"	9.88'	11.45'
15	50.00'	38°30'00"	33.60'	17.46'

NOTE: All dimensions refer to face of curb.





- GENERAL NOTES FOR TRAFFIC CONTROL
1. All traffic control devices shall comply with Chapter VI of the 1978 edition of the "Manual for Uniform Traffic Control Devices."
 2. The contractor shall prepare and submit to the project engineer a detailed construction schedule, which is subject to the approval of the City Traffic Engineer, three working days prior to commencing construction.
 3. Unless otherwise provided as part of the construction documents, the contractor shall prepare and submit to the project engineer a detailed traffic control plan, which is subject to the approval of the City Traffic Engineer, three working days in advance of any required closure.
 4. Contractor shall notify the following services 24 hours in advance of any complete closures: Police Department, Fire Department, Ambulance Services, and the Transit Department.
 5. Permits to barricade or detour traffic must be obtained for each phase of construction through the Traffic Engineer's office at least 24 hours in advance of construction activities.
 6. All advance warning signs and barricades must be installed before construction begins as directed by the engineer.
 7. All sign locations will be selected in the field and approved by the project engineer.
 8. All advance warning signs shall be 48" x 48" minimum.
 9. All advance warning signs not directly applicable shall be removed, completely covered, or turned away from oncoming traffic.
 10. All construction signing shall be black on a reflectorized orange field unless otherwise specified. All construction barricades and channelization devices shall be orange on white, reflectorized, unless otherwise specified.
 11. All signs will be ground mounted on single or double posts with the bottom of the sign seven feet above sidewalk level. Existing posts may be used at some locations, with the approval of the project engineer. Portable sign supports will be acceptable as an alternate for signs which are in place for less than one week.
 12. All existing regulatory signs that need to be removed, relocated, or reinstalled shall be done by the City of Albuquerque, Traffic Engineering Division. The contractor shall notify the Traffic Engineering Division three working days in advance of any required work.
 13. Traffic control devices required after dark are to be equipped with warning lights. Type (A) flashing warning lights shall be used on all advance warning signs and on all devices which are intended to warn motorists or pedestrians of hazards or obstructions in or near the travel path. Type (C) steady burn lights shall be used on all devices which are intended to define the travel path.
 14. All signs, barricades, and/or barrels will be reflectorized. All barrels may have sand or water ballast limited to 100 lbs.
 15. All signs, barricades, and/or barrels will be moved forward as the construction progresses (where applicable).
 16. Contractor shall inspect and maintain all barricades at least once each day except for barricades on or adjacent to arterial and collector streets which shall be checked twice daily, including inspection during hours of darkness.
 17. Barrels and barricades are not to be intermixed in the same series of channelization.
 18. Excavations must be plated or patched prior to opening to traffic.
 19. A minimum width of 11 feet shall be provided for traffic in one direction.
 20. Equipment and materials are not to be stored within the street right-of-way during non-working hours.
 21. The contractor shall maintain access to businesses and residences adjacent to the construction area.
 22. The contractor shall provide and maintain a safe and adequate means of channelizing pedestrian traffic around all work areas throughout the period of construction. All such channelization roadway in order to pass around the work areas.
 23. The contractor shall be required to keep the public informed, through the local news media, of construction operations involving street or lane closures, and shall provide the City Traffic Engineer documented proof that this has been done.
 24. All signs shall be mounted on sign stands or Type III barricades.
 25. Contractor may close Southern Avenue between Eubank Boulevard and Moon Street, as needed, in order to install required pavement, provided the contractor maintains access to all residences and businesses in the area. (See typical minor street closure).
 26. Contractor shall maintain traffic on Southern Avenue while completing as much work at the intersection of Southern Avenue and Juan Tabo Road, and the intersection of Southern Avenue and Eubank Boulevard as possible. (See Southern Avenue closure).
 27. A right OR left lane may be taken on Eubank Boulevard and Juan Tabo Road as required in order to install required medians and applicable indicated on Juan Tabo Road only).

APPROVED FOR CONSTRUCTION
CITY ENGINEER DATE

26 2223 11085

CITY OF ALBUQUERQUE TRANSPORTATION DEPARTMENT ENGINEERING DIVISION			
TITLE: SOUTHERN AVENUE IMPROVEMENTS MOON TO JUAN TABO BLVD TRAFFIC CONTROL PLANS			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer	<i>[Signature]</i>	4/1/85	Liquid Waste
A.C.E. Design	<i>[Signature]</i>	4/1/85	Traffic
W.E.E. Hydrology	<i>[Signature]</i>	4/1/85	Water
DESIGNED BY	T.G.	DATE	4/1/85
DRAWN BY	G.M.	DATE	4/1/85
CHECKED BY	C.M.E.	DATE	4/1/85
DRAWING NO.	2223	SHEET	10 OF 10