CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
AND
DEPARTMENT OF SENIOR AFFAIRS
AND
DEPARTMENT OF FAMILY AND COMMUNITY SERVICES

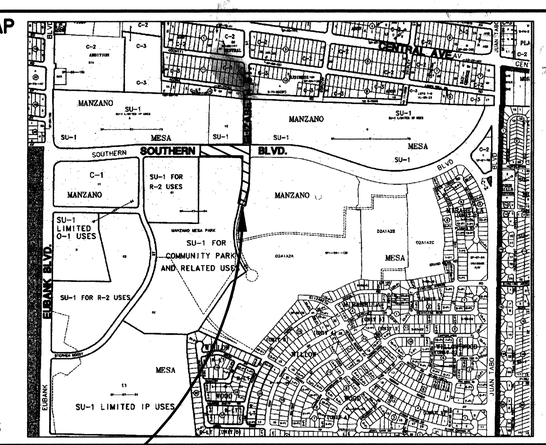
PLANS OF CONSTRUCTION FOR

MANZANO MESA MULTI-GENERATIONAL CENTER

SOUTHERN BLVD. AND ELIZABETH ST.

FOR INFORMATION ONLY

VICINITY MAP



PROJECT LOCATION

INDEX TO DRAWINGS

SHEET NO.	TITLE
1	TITLE SHEET, VICINITY MAP, SHEET INDEX
2	GENERAL NOTES & LEGEND
3	PLAN & PROFILE: SOUTHERN BOULEVARD STA. 10+00 TO 14+00
4	PLAN & PROFILE: SOUTHERN BOULEVARD STA. 14+00 TO 15+46.32
5	PLAN & PROFILE: ELIZABETH STREET STA. 10+00 TO 14+20
6	PLAN & PROFILE: ELIZABETH STREET STA 14+20 TO 18+80.08
7	TYPICAL ROADWAY SECTIONS
8	SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS
9	TYPICAL TRAFFIC CONTROL AND SIGNING

UTILITY COMPANY CONTACTS

PNM
JIM VANN
4201 Edith Blvd., NE
Albuquerque, New Mexico 87107
(505) 848-3426

AT&T
DAVID CROWEL
111 Third ST., NW
Albuquerque, New Mexico 87103
(505) 842-2890

US WEST COMMUNICATIONS
CATHY SCHNEIDER
(505) 245-6846
201 Third Street NW
Suite 700
Albuquerque, New Mexico 87102

E-SPIRE (ACSI)
JOHN K. MARES
505 Marquette NE
Suite 1605
Albuquerque, New Mexico 87102
(505) 842-2806

BROOKS/WORLD-COM/MCI
MCIWorldCom
JOHN BACHELDER
2250 Lakeside Blvd.
Richardson, TX 75082
Attn. Investigations
Dept. 2855 / 642
(972) 656-5038

GAS CO.
KELLY BOUSKA
4625 Edith Blvd., NE
Albuquerque, New Mexico 87107
(505) 241-7752

COMCAST CABLE
RITA ERICKSON
4611 Montbel Pl., NE
P.O. Box 27138
Albuquerque, New Mexico 87125-7138
(505) 761-6235

CITY OF ALBUQUERQUE (WATER & SEWER)
GREG OLSON
PWD/Utility Development
P.O. Box 1293
Albuquerque, New Mexico 87103
(505) 768-2719

GST NEW MEXICO LIGHTWAVE INC.
ROYAL HARRISON
3830 Singer Blvd. NE
Suite 1000
Albuquerque, New Mexico 87109
(505) 938-7339

CALL BEFORE YOU DIG!
STATEWIDE
1-800-321-ALERT
ALBUQUERQUE
260-1990

Kelly + Craig Architects, Inc. AIA
4625 Edith Blvd. NE
Albuquerque, New Mexico 87107
(505) 345-2784

SEC JOB # 199207A

Smith Engineering Company
A Full Service Engineering Company
6400 Uptown Boulevard, N.E. Suite 500W Albuquerque, New Mexico 87110

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

ENGINEERS STAMP & SIGNATURE

PATRICK J. CONLEY
NEW MEXICO
10141
REGISTERED PROFESSIONAL ENGINEER
2/28/01

APPROVED	ENGINEER	DATE
DRC Chairman		3-27-01
Transportation		3/8/01
Water/Wastewater	David Drumwinski	3/27/01
Hydrology	Lawrence Maing	3/6/01
C I P		
Constr. Mngmt.		3/27/01
Parks		

APPROVED FOR CONSTRUCTION

3/27/01
CITY ENGINEER DATE

PROJECT NUMBER 5751.92

SHEET 1 OF 9

Z:\Civ_Cadd\199207A\Option1\001_Cover.dwg Wed Feb 28 08:47:48 2001

1 FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR WILL SUBMIT A DETAILED CONSTRUCTION SCHEDULE TO THE CITY CONSTRUCTION COORDINATION DIVISION. TWO (2) DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR WILL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF SPECIFICATIONS.

2 THE CONTRACTOR WILL NOTIFY THE FIELD ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK, IN ORDER THAT THE FIELD ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. THE CONTRACTOR WILL NOTIFY THE ENGINEER IF A MONUMENT IS DISTURBED. REPLACEMENT WILL BE DONE ONLY BY THE CITY SURVEY SECTION. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR WILL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4 OF SPECIFICATIONS.

3 THE SPECIFICATIONS USED FOR THIS PROJECT ARE THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1994 EDITION, UPDATE NO.6.

4 ALL NEW MANHOLES SHALL BE TYPE "E" (COA DWG. 2102) UNLESS OTHERWISE NOTED ON THE PLANS.

5 THE CONTRACTOR WILL BE RESPONSIBLE FOR DISPOSING OF ALL DEBRIS, INCLUDING, BUT NOT LIMITED TO HAZARDOUS WASTE AT DISPOSAL SITES APPROVED BY GOVERNMENTAL AGENCIES REGULATING THE DISPOSAL OF SUCH MATERIALS.

6 ALL WATER VALVE BOXES AND MANHOLES IN THE STREET CONSTRUCTION ARE TO BE ADJUSTED TO FINISH GRADE AND WILL BE MEASURED AND PAID PER EACH.

7 SUBGRADE PREPARATION UNDER SIDEWALKS AND DRIVE PADS, AND SUBGRADE AND SUBBASE PREPARATION UNDER CURB AND GUTTER IS CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF SUCH, AND NO DIRECT PAYMENT SHALL BE MADE FOR THOSE ITEMS OF WORK.

8 THE WATER SYSTEMS DIVISION (857-8200) WILL BE NOTIFIED BY THE CONTRACTOR FIVE (5) WORKING DAYS IN ADVANCE OF ANY WORK WHICH MAY AFFECT THE EXISTING PUBLIC WATER FACILITIES. REFER TO SECTION 18 OF SPECIFICATIONS.

9 ALL EXCAVATION WILL BE GOVERNED BY FEDERAL, STATE AND LOCAL LAWS, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.

10 ALL SIGNS AND CODING WILL BE IN ACCORDANCE WITH THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" CURRENT EDITION PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION.

11 THE CONTRACTOR IS TO EXERCISE CARE TO AVOID DISTURBING ANY EXISTING UNDERGROUND UTILITIES. IT WILL BE HIS RESPONSIBILITY TO COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION. SEE SECTION 18 "UTILITIES", CITY OF ALBUQUERQUE, STANDARD SPECIFICATIONS FOR CONTRACTOR REQUIREMENTS.

12 WHEN ABUTTING NEW PAVEMENT TO EXISTING INTERSECTING STREETS, SAW CUT EXISTING PAVEMENT TO A STRAIGHT LINE AND AT RIGHT ANGLES AND REMOVE ANY BROKEN OR CRACKED PAVEMENT. NO DIRECT PAYMENT WILL BE MADE FOR SAW CUTTING.

13 ALL GAS VALVES, GAS MANHOLES, ELECTRICAL MANHOLES, TELEPHONE MANHOLES, AND UTILITY POLES WILL BE ADJUSTED TO GRADE BY EACH UTILITY COMPANY. CONTRACTOR WILL COORDINATE THROUGH CITY UTILITY COORDINATOR.

14 WHEN REMOVAL OF EXISTING CURB AND GUTTER OR SIDEWALK IS REQUIRED, REMOVE BACK TO NEAREST SUITABLE JOINT UNLESS OTHERWISE DIRECTED BY THE CITY FIELD ENGINEER.

15 THE CONTRACTOR WILL NOTIFY THE UTILITY COMPANIES BY CALLING NEW MEXICO ONE CALL SYSTEM 260-1990 TWO (2) WORKING DAYS PRIOR TO COMMENCING WORK IN NEW AREAS.

16 CONTRACTOR WILL MAKE ALL WATER VALVES AND MANHOLES ACCESSIBLE TO THE CITY AT ALL TIMES.

17 CONTRACTOR WILL PLACE BITUMINOUS MATERIAL WITH THE USE OF A LAYDOWN MACHINE WHERE PAVEMENT IS 8 FEET IN WIDTH OR WIDER.

18 ALL SUBGRADE AND SUBBASE MATERIAL ENCOUNTERED IN PAVEMENT REMOVAL AND REPLACEMENT THAT IS DETERMINED BY THE FIELD ENGINEER TO MEET THE SPECIFICATIONS, CAN BE REUSED. HOWEVER, THE MATERIAL WILL BE PROCESSED AND COMPACTED TO MEET MOISTURE CONTENT AND PERCENT COMPACTION REQUIRED BY THE SPECIFICATIONS.

19 CONTRACTOR WILL NOT PAVE OVER ANY SURFACE FEATURE, I.E., GAS VALVE, MANHOLE COVER, ETC. WITHOUT PRIOR APPROVAL FROM THE CITY FIELD ENGINEER.

20 CONTRACTOR WILL CONFINE HIS WORK WITHIN THE CONSTRUCTION EASEMENT LIMITS AND/OR RIGHT-OF-WAY, OR PROVIDE COPIES OF AGREEMENTS WITH ADJACENT LANDOWNERS TO THE CITY OF ALBUQUERQUE.

21 ALL WATER VALVES AND FIRE HYDRANTS REMOVED TO BE SALVAGED AND RETURNED TO THE C.O.A.

22 MINIMUM BOTTOM WIDTH OF TRENCHES FOR RIGID PIPE SHALL BE EQUAL TO THE OUTSIDE DIAMETER PLUS 16 INCHES. BEDDING MATERIAL SHALL BE CLASS II, III, OR IV UNLESS OTHERWISE SPECIFICALLY NOTED ON THE PLANS.

23 MINIMUM BOTTOM WIDTH OF TRENCHES FOR NON-RIGID PIPE SHALL BE EQUAL TO THE OUTSIDE DIAMETER PLUS 12 INCHES. BEDDING MATERIAL SHALL BE CLASS I, II, OR III.

24 THE CONTRACTOR AGREES TO TAKE NECESSARY SAFETY PRECAUTIONS AS REQUIRED BY FEDERAL, STATE AND LOCAL AUTHORITIES TO PROTECT PEDESTRIAN AND VEHICULAR TRAFFIC IN THE CONSTRUCTION AREA, WHICH INCLUDE BUT ARE NOT LIMITED TO: MAINTAINING ADEQUATE WARNING SIGNS, BARRICADES, LIGHTS, GUARD FENCES, WALKS AND BRIDGES.

25 ALL STRUCTURAL CONCRETE TO BE 4000 PSI UNLESS OTHERWISE NOTED ON PLANS.

26 ALL REINFORCING STEEL TO BE GRADE 60.

27 ALL EXPOSED EDGES ON CAST-IN-PLACE CONCRETE STRUCTURES WILL HAVE A 1" CHAMFER UNLESS OTHERWISE NOTED.

28 ALL SPLICES IN REINFORCING STEEL TO BE 2-FOOT 6-INCH MINIMUM UNLESS OTHERWISE NOTED.

29 PRIOR TO CONSTRUCTION, THE CONTRACTOR WILL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL CONFLICTING UTILITIES. SHOULD A CONFLICT EXIST BETWEEN THE FIELD INFORMATION AND THE PLANS, THE CONTRACTOR WILL NOTIFY THE CITY FIELD ENGINEER SO THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.

30 THE REPLACEMENT OF THE EXISTING UTILITIES AND THE INSTALLATION OF NEW UTILITY LINES WILL BE COMPLETED IN ADVANCE OF STARTING THE PAVEMENT WORK. TEMPORARY PAVEMENT WILL BE PLACED IN ALL TRENCHES REQUIRED FOR THE UTILITY REPLACEMENTS IN THOSE AREAS THAT MUST MAINTAIN TRAFFIC UNTIL THE FINAL PAVEMENT WORK STARTS IN EACH AREA. TEMPORARY STRIPING SHALL BE THE CONTRACTOR'S RESPONSIBILITY. MAINTENANCE OF THE TEMPORARY PAVING AND STRIPING WILL BE AT THE CONTRACTOR'S EXPENSE.

31 TACK COAT FOR SURFACE COURSE REQUIREMENTS WILL BE DETERMINED BY THE CITY FIELD ENGINEER.

32 THE CONTRACTOR WILL CONTACT THE CITY OF ALBUQUERQUE TRAFFIC DIVISION 764-1599, ONE (1) WEEK IN ADVANCE OF ANY CHANGES REQUIRED IN THE TRAFFIC SIGNALIZATION OF THIS PROJECT. ALL WORK ASSOCIATED WITH NEW TRAFFIC SIGNALIZATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

33 ALL NEW STREET PAVING, DRIVEWAYS, SIDEWALKS, AND CURB AND GUTTERS, ABUTTING EXISTING AREAS SHALL MATCH THE ELEVATION OF THOSE AREAS.

34 PERMANENT PAVEMENT STRIPING AND MARKINGS WILL BE PLACED BY THE CONTRACTOR. ROAD SHALL NOT BE OPENED TO TRAFFIC UNTIL IT IS STRIPED. ALL STRIPING, PAVEMENT MARKINGS INCLUDING CROSSWALKS, ARROWS AND LINE MARKINGS ARE TO BE CONSTRUCTED OF HOT PLASTIC OR COLD PLASTIC IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

35 ALL EXCAVATED MATERIAL THAT IS NOT REQUIRED TO BE REUSED MUST BE REMOVED FROM THE PROJECT AREA WITHIN FOUR DAYS OF EXCAVATION. SPOIL PILES WILL BE ALLOWED ONLY AS DIRECTED BY THE CITY FIELD ENGINEER.

36 THE CONTRACTOR WILL COORDINATE THE CONSTRUCTION ACTIVITIES WITH ALL OTHER CONTRACTORS AND UTILITY COMPANIES WORKING IN THE SAME AREA. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE THEIR ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCE CAUSED BY UTILITY COMPANY WORK CREWS. A CONTRACT EXTENSION MAY BE ALLOWED AS DELINEATED IN CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS.

37 ALL CONSTRUCTION EASEMENTS ON PRIVATE PROPERTY WILL BE OBTAINED BY THE CONTRACTOR PRIOR TO THE BEGINNING OF CONSTRUCTION.

38 EXISTING MEDIAN CURB AND GUTTER AND STANDARD CURB AND GUTTER, NOT DISTURBED BY CONTRACTOR, BUT OUT OF ALIGNMENT, DISPLACED VERTICALLY, BADLY BROKEN AND/OR DETERIORATED, WILL BE REPLACED AS DIRECTED BY THE CITY FIELD ENGINEER AND PAID FOR AT CONTRACT UNIT PRICES.

39 ALL TRAFFIC CONTROL DEVICES REQUIRED FOR DRIVEWAY CLOSURES, UTILITY CONSTRUCTION OR FOR OTHER REASONS AND NOT SHOWN ON THE SIGNING PLANS WILL BE FURNISHED BY THE CONTRACTOR AND WILL BE PAID AS SPECIFIED IN THE TECHNICAL SPECIFICATIONS AND BID PROPOSAL. PRIOR TO PLACING THE TRAFFIC CONTROL DEVICES, THE CONTRACTOR WILL NOTIFY THE AFFECTED OWNERS IN ACCORDANCE WITH THE SPECIFICATIONS. CONTRACTOR MUST MAKE PROVISIONS TO PROVIDE ACCESS TO PROPERTIES. REFER TO SECTION 19 OF THE SPECIFICATIONS.

40 ALL UTILITY LINES WHICH ARE NOT SPECIFICALLY DESIGNATED TO BE REMOVED AND REPLACED ON THE PLANS, WILL BE MAINTAINED IN SERVICE. SHORING, SHEETING AND OTHER MEANS OF SUPPORT SHALL BE EMPLOYED BY THE CONTRACTOR TO PREVENT DAMAGE OR LOSS OF THESE EXISTING UTILITIES. BEAM AND CABLE OR OTHER ADEQUATE SUPPORTS WILL BE USED FOR TEMPORARY SUPPORT OF ALL UTILITY LINES WHICH CROSS THE TRENCH. ANY DAMAGE TO EXISTING UTILITIES WILL PROMPTLY BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR WILL NOTIFY THE ENGINEER IMMEDIATELY OF ANY SIGNIFICANT DEVIATION OF EXPOSED UTILITIES FROM THE LOCATIONS SHOWN ON THE PLANS SO THAT CONFLICTS CAN BE RESOLVED IN A TIMELY MANNER.

41 THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING COA INFRASTRUCTURE (C & G, PAVING, ETC.) DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS, AND WILL REPAIR OR REPLACE SAME AT HIS OWN EXPENSE. HE WILL SUITABLY PROTECT THE CURB AND GUTTER FROM INCIDENTAL SPLASHING DURING THE TACK COAT APPLICATION AND WILL BE RESPONSIBLE FOR CLEANING SAME AT HIS OWN COST SHOULD SPLASHING OCCUR.

42 ALL INTERFERING PORTIONS OF ABANDONED UTILITY LINES WHICH ARE EXPOSED AS A RESULT OF CONSTRUCTION WILL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.

43 STATIONS OF STORM DRAIN INLETS ARE TO THE CENTER OF GRATE. ALL STORM DRAIN INLETS WILL BE TYPE "A" UNLESS OTHERWISE NOTED ON THE PLANS.

44 SHORING COSTS WILL BE CONSIDERED INCIDENTAL TO THE TRENCH AND BACKFILL COSTS.

45 THE CONTRACTOR WILL BE RESPONSIBLE FOR SECURING NPDES PERMITS REQUIRED BY APPLICABLE CITY, STATE, AND FEDERAL REGULATIONS.

46 ALL STORM DRAIN AND CONNECTOR PIPE WILL BE CLASS IV REINFORCED CONCRETE PIPE UNLESS OTHERWISE NOTED ON THE PLANS.

47 THE TERM REMOVE USED IN THIS PLAN SET INCLUDES THE DISPOSAL OF SAID MATERIAL IN ACCORDANCE WITH CITY OF ALBUQUERQUE SPECIFICATIONS, LATEST EDITION.

48 CONTRACTOR WILL SURVEY AND LOG EXISTING ELEVATIONS OF CURB-AND-GUTTER, SIDEWALK, AND PAVEMENT WHICH WILL BE REMOVED FOR CONSTRUCTION OF IMPROVEMENTS. CONTRACTOR WILL REPLACE REMOVED CURB-AND-GUTTER, SIDEWALK, DRIVE PADS, AND PAVEMENT TO ELEVATIONS PRIOR TO REMOVAL UNLESS OTHERWISE INDICATED ON THE PLANS.

49 CONTRACTOR WILL CONSTRUCT TEMPORARY ASPHALT PAVEMENT AS DIRECTED BY THE COA ENGINEER TO PROVIDE ACCESS TO LOCAL BUSINESS, ETC. TEMPORARY PAVEMENT SHALL BE REMOVED AND DISPOSED OF PRIOR TO PLACEMENT OF FULL WIDTH PAVEMENT SECTION. TEMPORARY PAVING SHALL BE PER COA STD. DWG. 2415 AND PAID FOR PER COA STD. SPECIFICATIONS.

50 ALL CLASSES OF SEEDING SHALL BE DRY LAND MIX PLACED AT 1.5 LBS/1000 S.F. WITH FERTILIZER 21-12-12 PLACED AT 5 LBS/1000 S.F.

51 PRE-WETTING OF THE EMBANKMENT FOUNDATION AND KEY TRENCH SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF THE EMBANKMENT. NO ADDITIONAL PAYMENT WILL BE MADE FOR THIS WORK.

52 ALL ASPHALTIC CONCRETE SHALL BE MINIMUM 1800 LB. STABILITY AND COMPACTED TO 95% MODIFIED MARSHALL DENSITY UNLESS OTHERWISE NOTED ON THE PLANS.

53 ALL RIP-RAP MATERIAL USED ON THIS PROJECT SHALL BE A NATURAL ROCK MATERIAL CONFORMING TO THE SIZE AND MATERIAL PROPERTY REQUIREMENTS SET FORTH IN THE COA STANDARD SPECIFICATIONS. NO BROKEN CONCRETE OR RUBBLE WILL BE ACCEPTED.

EXISTING FEATURES LEGEND:

x - - - - - - - x	EXISTING CHAIN-LINK FENCE
- - 2" HPG	EXISTING GAS LINE W/ VALVE
— 6" WL	EXISTING WATERLINE W/ VALVE
	EXISTING WATERLINE METER
	EXISTING FIRE HYDRANT
— 6" SAS	EXISTING SANITARY SEWER LINE W/ MANHOLE
36" RCP	EXISTING STORM DRAIN
	EXISTING UTILITY POLE
- - - - 44 - - - - -	EXISTING 1' CONTOUR
- - - - - 4945 - - - - -	EXISTING 5' CONTOUR
	EXISTING CURB & GUTTER
	EXISTING CONCRETE
- - - - - - - - - -	EXISTING BUILDING LINE
— - - —	EXISTING EASEMENT LINE

NEW FEATURES LEGEND:

— - —	CONSTRUCTION CENTERLINE
x ———— x	NEW CHAIN-LINK FENCE
— 2" HPG	NEW GAS LINE W/ VALVE
— 6" WL	NEW WATERLINE W/ VALVE
	NEW WATERLINE METER
	NEW FIRE HYDRANT
— 6" SAS	NEW SANITARY SEWER LINE W/ MANHOLE
36" RCP	NEW STORM DRAIN
	NEW UTILITY POLE
— 44 —	NEW 1' CONTOUR
— 4945 —	NEW 5' CONTOUR
	NEW CURB & GUTTER
	NEW CONCRETE
— - - —	NEW EASEMENT LINE
1	POT HOLE LOCATION W/ NO.
	NEW EDGE OF PAVEMENT

SEC PROJ. NO. 199207A

Smith Engineering Company
A Full Service Engineering Company
6400 Uptown Boulevard, N.E. Suite 500E Albuquerque, New Mexico 87110

AS BUILT INFORMATION	
CONTRACTOR	DATE:
WORK STAKED BY	DATE:
INSPECTOR'S APPROVAL	DATE:
FIELD VERIFICATION BY	DATE:
DRAWING CORRECTED BY	DATE:
MICRO-FILM INFORMATION	
RECORDED BY	DATE:
NO.	

BENCH MARK	
C.O.A. BENCHMARK "6-L21"	
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY	
GO DIRECTLY EAST 292'	
ELEVATION = ~~5471.78~~ 5500.67'	
GROUND COORDINATES: NORTHING = 1,481,746.33	
EASTING = 418,123.51	
GRID COORDINATES: NORTHING = 1,481,220.09	
EASTING = 417,975.01	
GROUND TO GRID FACTOR: 0.99964485	

SURVEY INFORMATION		
FIELD NOTES		
NO.	BY	DATE
11599	STEPHEN JAMES TOLER	
FROM SURVEYING CONTROL, INC.		

ENGINEERS STAMP

PATRICK J. CONLEY NEW MEXICO 14003 REGISTERED PROFESSIONAL ENGINEER 2/28/01

NO.	DATE	REVISIONS/REMARKS	BY

DESIGNED BY: MJR DATE: 1/01
DRAWN BY: EAD DATE: 1/01
CHECKED BY: PJC DATE: 1/01

FOR INFORMATION ONLY

Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

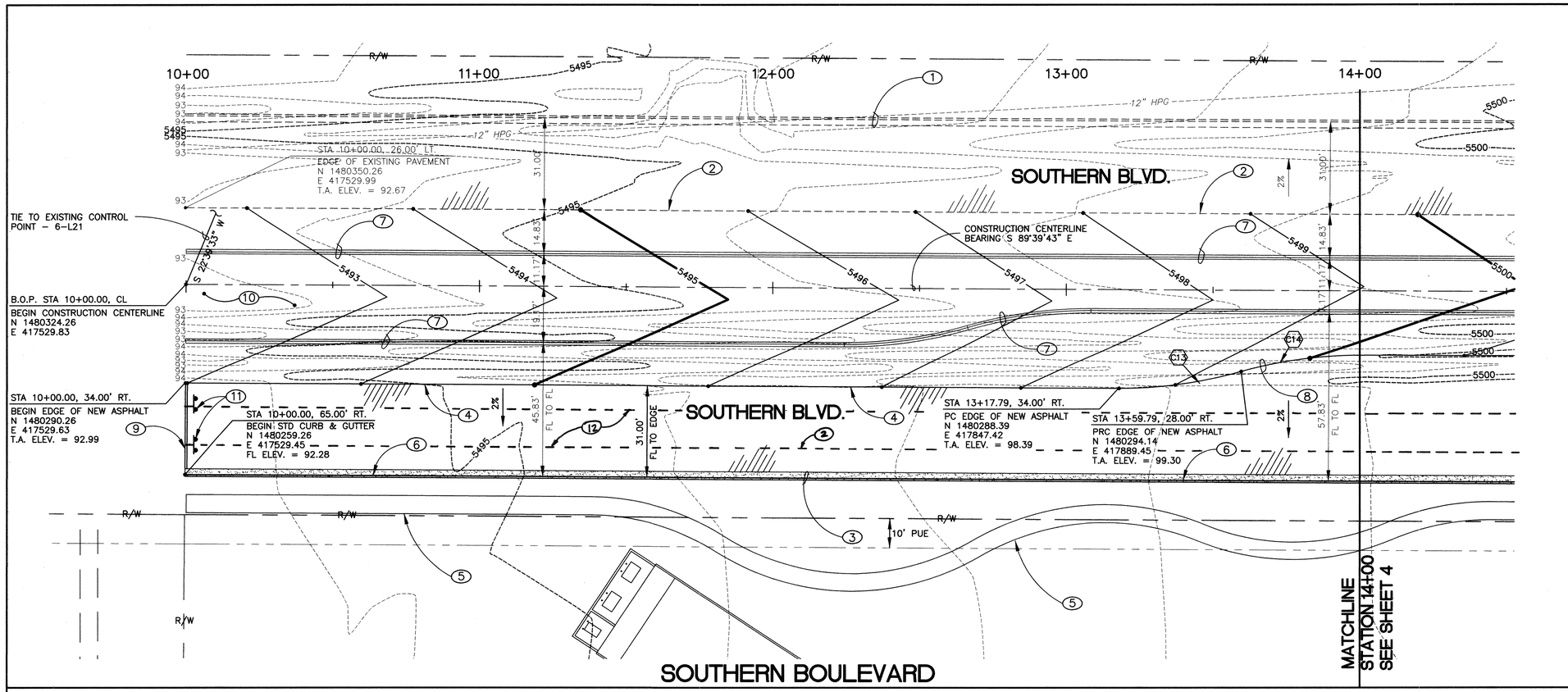
CITY OF ALBUQUERQUE
DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES

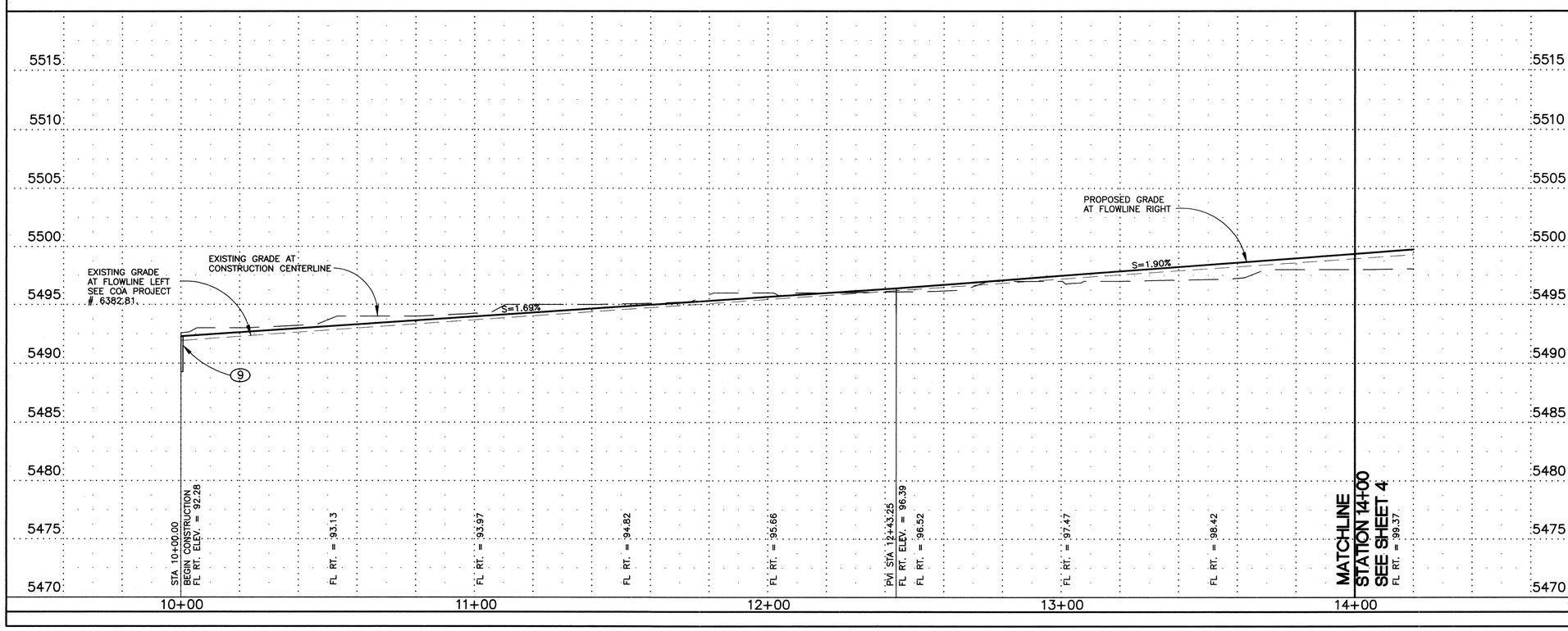
TITLE: MANZANO MESA MULTI-GENERATIONAL CENTER
GENERAL NOTES AND LEGEND

Design Review Committee | City Engineer Approval: APPROVED MAR 2 7 2001 CITY ENGINEER | Last Design Update | MO./DAY/YR. | MO./DAY/YR.

City Project No.	Zone Map No.	Sheet	Of
5751.92	L-21	2	9

Z:\Civ_Cadd\199207A\Option1\00gNotes.dwg Wed Feb 28 08:48:47 2001





KEYED NOTES:

1. EXISTING CURB & GUTTER TO REMAIN UNDISTURBED THROUGHOUT CONSTRUCTION.
2. EDGE OF EXISTING PAVEMENT.
3. NEW STANDARD CURB & GUTTER PER C.O.A. STD. DWG. 2415.
4. EDGE OF PROPOSED ASPHALT.
5. FUTURE SIDEWALK NOT PART OF THIS CONTRACT.
6. FLOWLINE USED FOR PROFILE GRADES.
7. FUTURE CURB & GUTTER NOT PART OF THIS CONTRACT.
8. NEW LEFT TURN LANE PER C.O.A. STD. DWG. 2503.
9. END OF NEW PAVING. CONSTRUCT 3' DEEP CONCRETE CUTOFF WALL PER C.O.A. STD. DWG. 2415.
10. ANY STORMWATER FLOW IN THE FUTURE MEDIAN AREA WILL CONTINUE WEST WITH THE FUTURE DESIGN OF SOUTHERN BLVD. AND BE COLLECTED BY THE EXISTING STORM SYSTEM. APPROXIMATELY 335 FT WEST.
11. INSTALL 2–TYPE III BARRICADES W/R11–2 UNTIL CONNECTION OF FUTURE STREET EXTENSION CONNECTS SOUTHERN WITH STEPHEN MOODY.

NOTE: PROJECT SHALL MATCH EXISTING INFRASTRUCTURE PROJECT FROM BOHANNAN HUSTON – C.O.A. PROJECT NO. 6382.81.

CURVE DATA

NO.	DELTA	RADIUS	LEN.	TAN.
C13	16°15'37"	150.00	42.57	21.43
C14	16°15'37"	150.00	42.57	21.43

12. REMOVE & DISPOSE OF 872 SY OF ASPHALT PAVING.

SCALE: 1" = 5'

SCALE: 1" = 20'

SEC PROJ. NO. 199207A

Smith Engineering Company
A Full Service Engineering Company
6400 Uptown Boulevard, N.E. Suite 500E Albuquerque, New Mexico 87110

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO–FILM INFORMATION
RECORDED BY DATE:
NO.

BENCH MARK
C.O.A. BENCHMARK "6–L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY
GO DIRECTLY EAST 292'
ELEVATION = ~~5471.76~~ 5500.67'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER FROM SURVEYING CONTROL, INC.	

ENGINEERS STAMP
PATRICK J. CONLEY NEW MEXICO 14008 REGISTERED PROFESSIONAL ENGINEER
1/25/01

NO.	DATE	REVISIONS/REMARKS	BY

DESIGNED BY: MJR DATE: 1/01
DRAWN BY: EAD DATE: 1/01
CHECKED BY: PJC DATE: 1/01

Kells + Craig FOR INFORMATION ONLY
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
Architects, Inc. AIA
(505) 243-2724

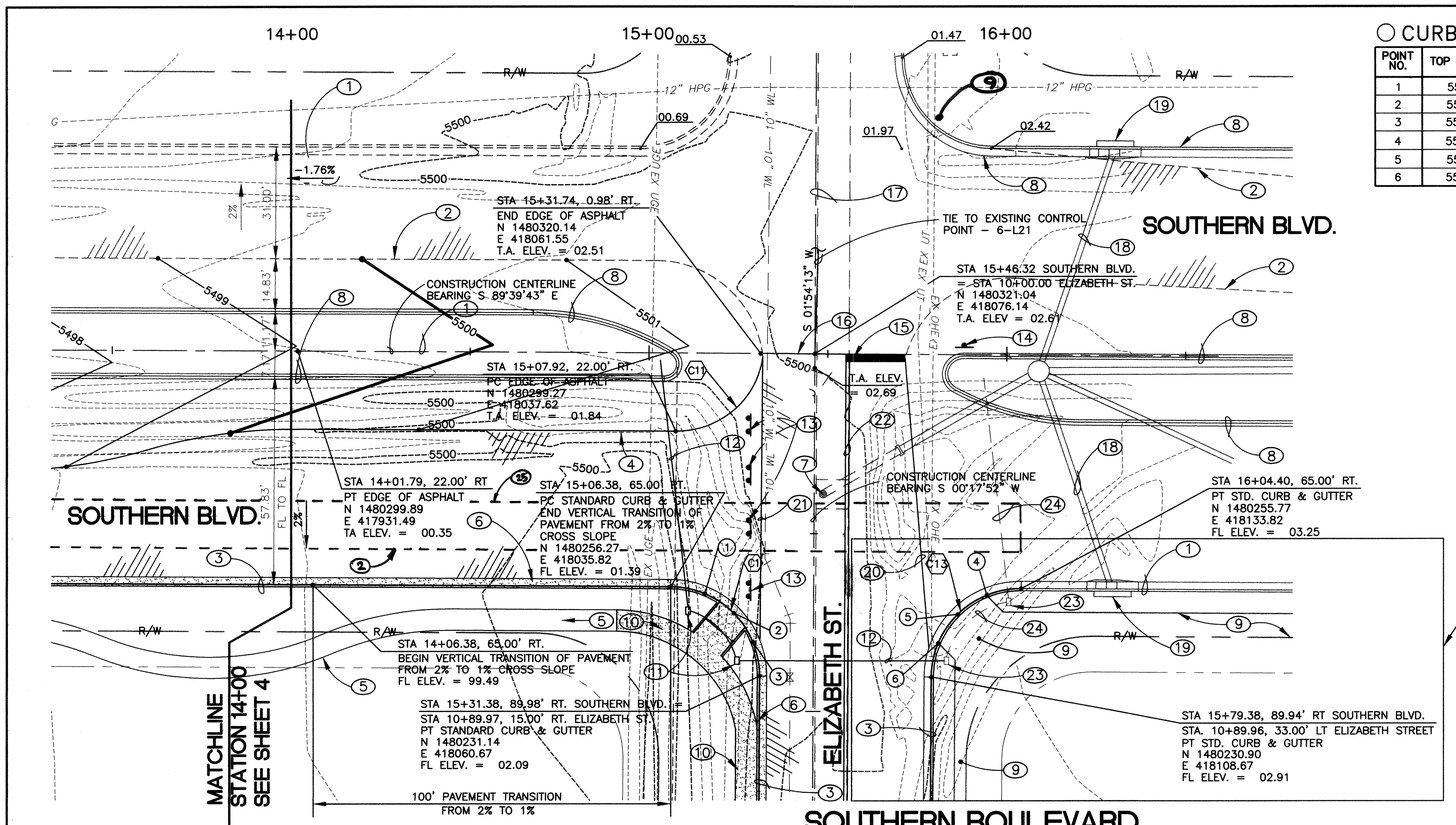
CITY OF ALBUQUERQUE
DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES

TITLE: MANZANO MESA MULTI-GENERATIONAL CENTER
PLAN & PROFILE: SOUTHERN BLVD. STA. 10+00 TO 14+00

Design Review Committee — MAR 27 2001 — DESIGN REVIEW COMMITTEE
City Engineer Approval — APPROVED MAR 27 2001 — CITY ENGINEER
Last Design Update — MO/DAY/YR — MO/DAY/YR

City Project No.	Zone Map No.	Sheet	Of
5751.92	L-21	3	9

Z:\Civ_Cadd\199207A\Optiont\003_pnp.dwg Wed Feb 28 08:49:46 2001



CURB RETURN DATA

POINT NO.	TOP OF CURB	FLOW LINE
1	5502.01	5501.57
2	5501.82	5501.74
3	5502.36	5501.92
4	5503.84	5503.17
5	5503.16	5503.08
6	5503.67	5503.00

CURVE DATA

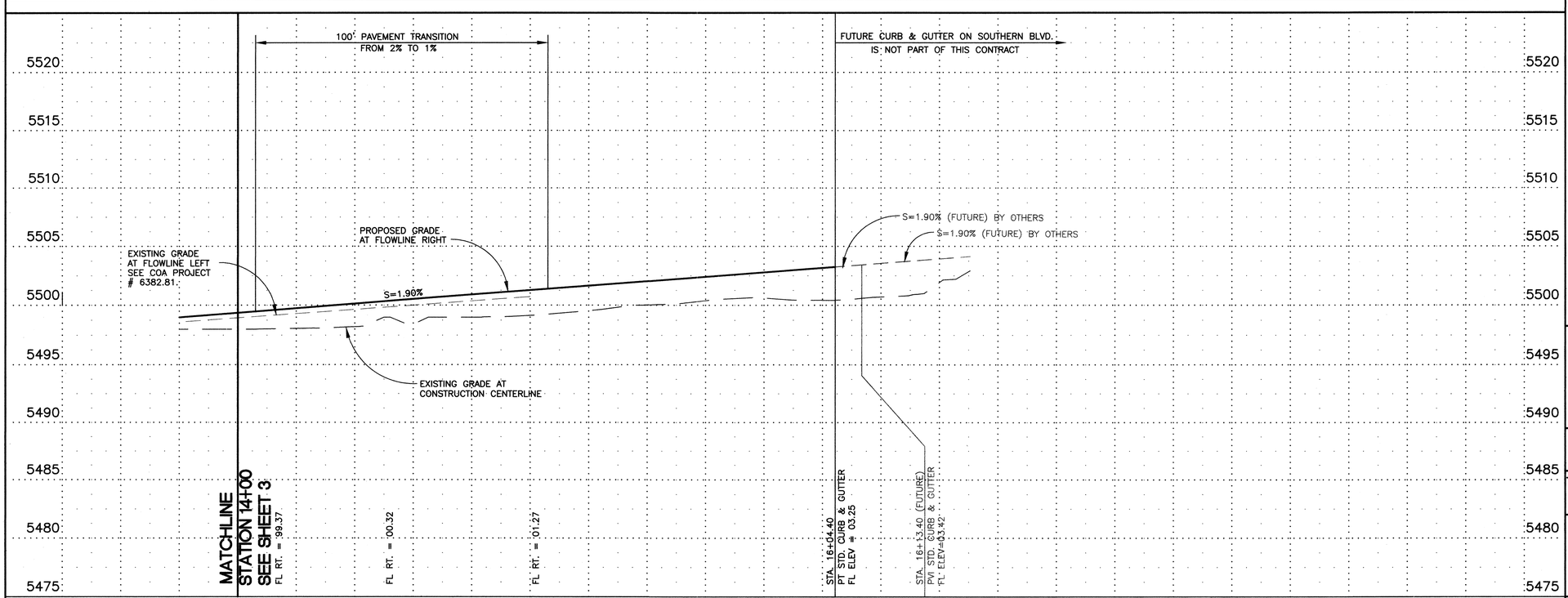
NO.	DELTA	RADIUS	LEN.	TAN.
C1	89°57'35"	25.00	39.25	24.98
C11	82°51'40"	21.18	24.00	34.71
C13	90°02'12"	25.00	39.29	25.02

NOTE: PROJECT SHALL MATCH EXISTING INFRASTRUCTURE PROJECT FROM BOHANNAN HUSTON – C.O.A. PROJECT NO. 6382.81.

NOTE: EAST HALF OF THIS ROAD (C.O.A. PROJECT NO. 6398.81) MAY BE BUILT PRIOR, DURING, OR AFTER THIS PROJECT. IF FULL ROAD IS BUILT UNDER THIS PROJECT AN APPROPRIATE CHANGE ORDER WILL BE FILED FOR THIS CONTRACT. IF EAST HALF OF ROADWAY EXISTS AT TIME OF CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY SMITH ENGINEERING.

KEYED NOTES:

1. EXISTING CURB & GUTTER TO REMAIN UNDISTURBED THROUGHOUT CONSTRUCTION.
2. EXISTING EDGE OF PAVEMENT.
3. NEW STANDARD CURB & GUTTER PER C.O.A. STD. DWG. 2415.
4. EDGE OF PROPOSED ASPHALT.
5. FUTURE SIDEWALK NOT PART OF THIS CONTRACT.
6. FLOWLINE USED FOR PROFILE GRADES.
7. ADJUST STORM DRAIN MANHOLE TO GRADE.
8. FUTURE CURB & GUTTER NOT PART OF THIS CONTRACT.
9. FUTURE SIDEWALK AND WHEELCHAIR RAMP TO BE CONSTRUCTED BY OTHERS.
10. NEW 6' CONCRETE SIDEWALK PER C.O.A. STD. DWG. 2430.
11. INSTALL TRAFFIC SIGNAL PULL–BOX PER C.O.A. STD. DWG. 2520.
12. INSTALL 145 LF OF 2–3" AND 1–2" SCH. 40 PVC CONDUIT FOR FUTURE SIGNALIZATION. INCLUDE ALL NECESSARY CURB & GUTTER, SIDEWALK, AND WHEEL CHAIR RAMP REMOVAL AND REPLACEMENTS PER C.O.A. STANDARD DRAWINGS.
13. INSTALL TYPE III BARRICADE WITH R11–2.
14. INSTALL 1–CITY OF ALBUQUERQUE STANDARD "STOP" SIGN.
15. INSTALL 16 LF OF 12" WHITE PLASTIC TEMPORARY PAVEMENT MARKING.
16. MATCH EXISTING PAVEMENT WITH NEAT–CUT EDGE.
17. EXISTING 108" RCP STORM DRAIN.
18. FUTURE STORM DRAIN BY OTHERS.
19. FUTURE STORM DRAIN INLET BY OTHERS.
20. INSTALL 81 LF OF 8" WIDE TEMPORARY PLASTIC PAVEMENT MARKING.
21. INSTALL 79 LF OF 8" WIDE TEMPORARY PLASTIC PAVEMENT MARKING.
22. INSTALL 165 LF OF 4" WIDE DOUBLE YELLOW PLASTIC PAVEMENT MARKINGS.
23. PULL–BOX TO BE INSTALLED BY OTHERS.
24. 2–3" AND 1–2" SCHEDULE 40 PVC CONDUIT TO BE INSTALLED BY OTHERS.
25. REMOVE + DISPOSE OF 872 SY OF ASPHALT PAVING.



N

SCALE: 1" = 5'

SCALE: 1" = 20'

SEC PROJ. NO. 199207A

Smith Engineering Company
A Full Service Engineering Company
6400 Uptown Boulevard, N.E. Suite 500E Albuquerque, New Mexico 87110

FOR INFORMATION ONLY

Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

CITY OF ALBUQUERQUE
DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES

TITLE: MANZANO MESA MULTI-GENERATIONAL CENTER

PLAN & PROFILE: SOUTHERN BLVD. STA. 14+00 TO 15+46.32

Design Review Committee: APPROVED MAR 27 01 DESIGN REVIEW COMMITTEE

City Engineer Approval: APPROVED MAR 27 2001 CITY ENGINEER

Last Design Update: MO/DAY/YR. MO/DAY/YR.

City Project No.	Zone Map No.	Sheet	Of
5751.92	L-21	4	9

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:

MICRO–FILM INFORMATION
RECORDED BY DATE:
NO.

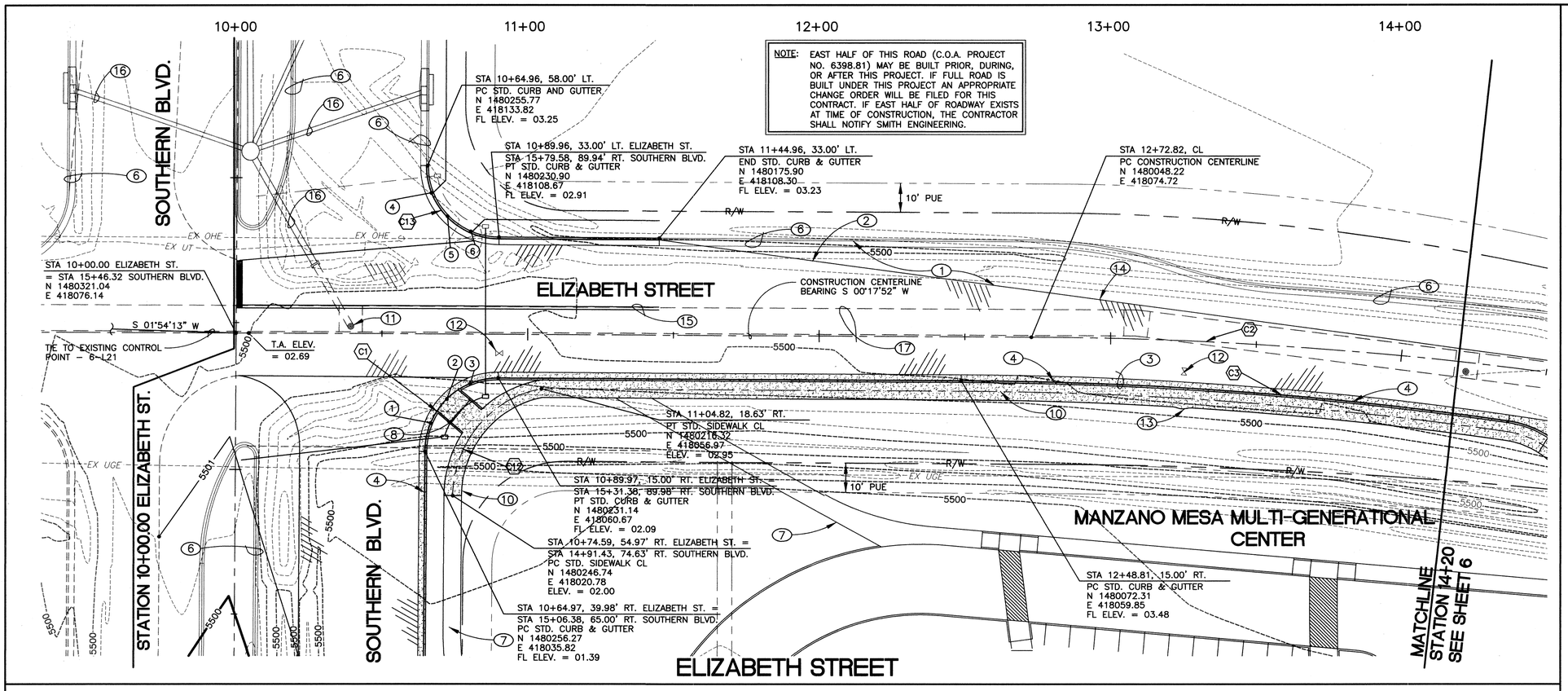
BENCH MARK
C.O.A. BENCHMARK "6–L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY
GO DIRECTLY EAST 292'
ELEVATION = 5471.78' 55067
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE
11599 STEPHEN JAMES TOLER
FROM SURVEYING CONTROL, INC.

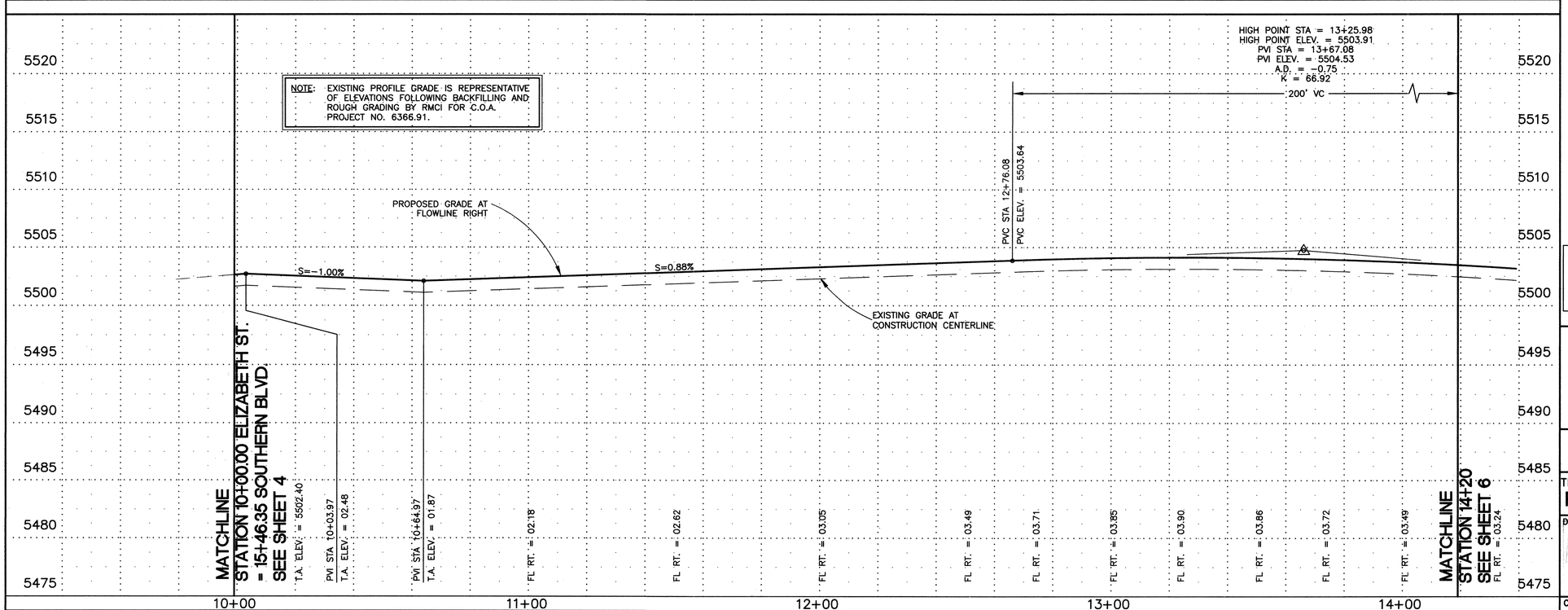
ENGINEERS STAMP
JAMES T. COMLEY NEW MEXICO 10141 REGISTERED PROFESSIONAL ENGINEER
2/28/01

REVISIONS/REMARKS BY DATE
DESIGNED BY: MJR DATE: 1/01
DRAWN BY: EAD DATE: 1/01
CHECKED BY: PJC DATE: 1/01

Z:\Civ_Cadd\199207A\Option1\004_pnp.dwg Wed Feb 28 08:50:43 2001



NOTE: EAST HALF OF THIS ROAD (C.O.A. PROJECT NO. 6398.81) MAY BE BUILT PRIOR, DURING, OR AFTER THIS PROJECT. IF FULL ROAD IS BUILT UNDER THIS PROJECT AN APPROPRIATE CHANGE ORDER WILL BE FILED FOR THIS CONTRACT. IF EAST HALF OF ROADWAY EXISTS AT TIME OF CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY SMITH ENGINEERING.



KEYED NOTES:

1. DESIGN OF EAST SIDE OF ELIZABETH ST. BY OTHERS. SEE COA PROJECT NO. 6398.81.
2. VARIABLE WIDTH OF TEMPORARY PAVEMENT PER SECTION 'C' ON SHEET 7.
3. NEW STANDARD CURB & GUTTER PER C.O.A. STD. DWG. 2415.
4. FLOWLINE USED FOR PROFILE GRADES.
5. NOT USED
6. FUTURE CURB & GUTTER NOT PART OF THIS CONTRACT.
7. FUTURE SIDEWALK NOT PART OF THIS CONTRACT.
8. NEW WHEELCHAIR RAMP (CASE II) TO BE CONSTRUCTED PER C.O.A. STD. DWG. 2441. AND DETAIL ON SHEET 7.
9. NOT USED.
10. NEW 6' CONCRETE SIDEWALK PER C.O.A. STD. DWG. 2430.
11. ADJUST EXISTING MANHOLE TO GRADE.
12. ADJUST EXISTING VALVE BOX TO GRADE AND CONSTRUCT CONCRETE PAD.
13. PAVING FOR SIDEWALK OBSTRUCTION (FIRE HYDRANT) PER C.O.A. STD. DWG. 2431. CONSTRUCT CONCRETE BASE FOR HYDRANT.
14. EDGE OF TEMPORARY ASPHALT PAVEMENT.
15. INSTALL 165 LF OF 4" WIDE DOUBLE YELLOW PLASTIC PAVEMENT MARKINGS.
16. FUTURE STORM DRAIN BY OTHERS.
17. EXISTING 108" RCP STORM DRAIN.

CURVE DATA

NO.	DELTA	RADIUS	LEN.	TAN.
C1	89°57'35'	25.00	39.25	24.98
C2	11°53'17"	1400.00	290.48	145.76
C3	07°48'37"	1382.50	188.45	94.37
C12	79°24'50"	37.00	51.28	30.73
C13	90°02'12'	25.00	39.29	25.02

CURB RETURN DATA

POINT NO.	TOP OF CURB	FLOW LINE
1	5502.01	5501.57
2	5501.82	5501.74
3	5502.36	5501.92
4	5503.84	5503.17
5	5503.16	5503.08
6	5503.67	5503.00

N

20' 10' 0 20' 40'
SCALE: 1" = 20'

10' 5' 0 2.5' 5'
SCALE: 1" = 5'

SEC PROJ. NO. 199207A

Smith Engineering Company
A Full Service Engineering Company
6400 Uptown Boulevard, N.E. Suite 500E Albuquerque, New Mexico 87110

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY
GO DIRECTLY EAST 292'
ELEVATION = ~~5471.78'~~ 5500.63'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE
11599 STEPHEN JAMES TOLER
FROM SURVEYING CONTROL, INC.

ENGINEERS STAMP
PATRICK J. CONLEY NEW MEXICO 14011 REGISTERED PROFESSIONAL ENGINEER
2/14/01

NO.	DATE	REVISIONS/REMARKS	BY

DESIGNED BY: MJR DATE: 1/01
DRAWN BY: EAD DATE: 1/01
CHECKED BY: PJC DATE: 1/01

FOR INFORMATION ONLY

Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

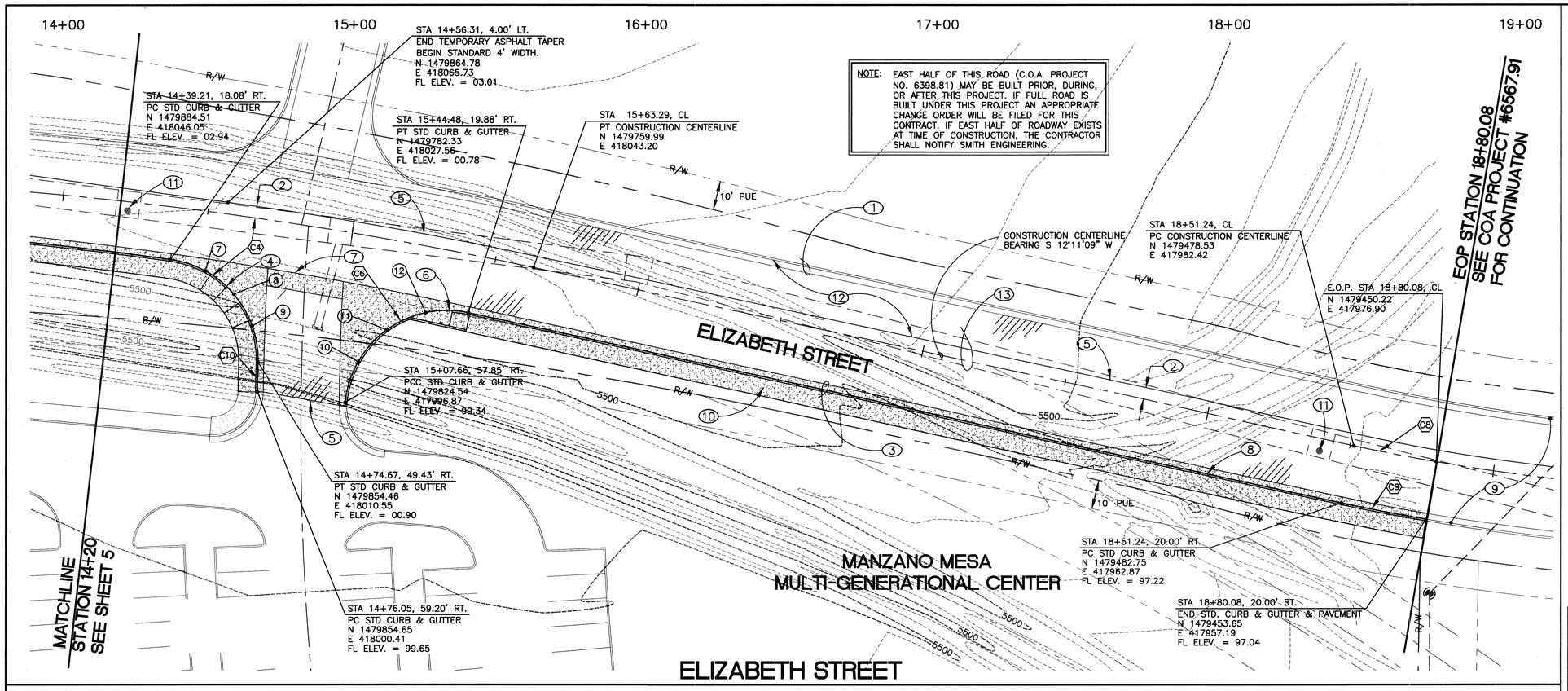
CITY OF ALBUQUERQUE
DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES

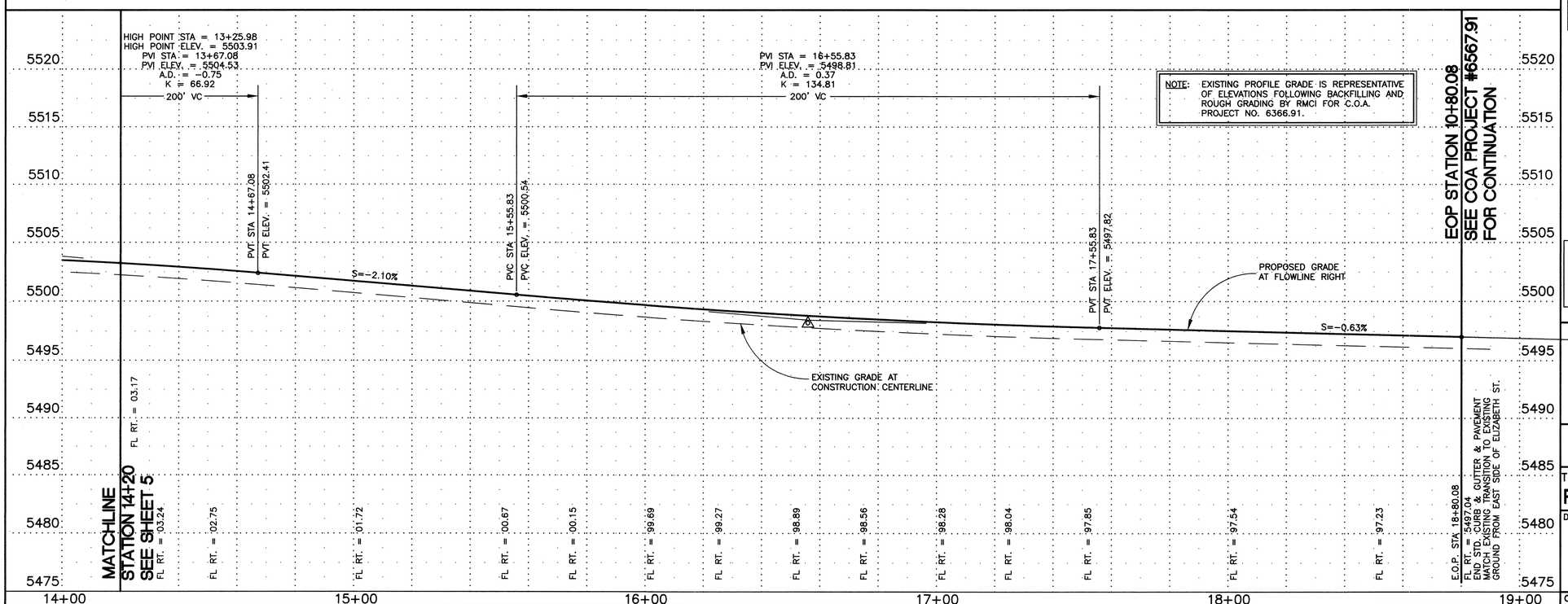
TITLE: MANZANO MESA MULTI-GENERATIONAL CENTER
PLAN & PROFILE: ELIZABETH ST. STA. 10+00 TO 14+20

Design Review Committee: APPROVED
City Engineer Approval: APPROVED MAR 27 2001 CITY ENGINEER
Last Design Update MO/DAY/YR. MO/DAY/YR.

City Project No.	Zone Map No.	Sheet	Of
5751.92	L-21	5	9

Z:\Civ_Cadd\199207A\Option1\005_pnp.dwg Wed Feb 28 09:13:59 2001





KEYED NOTES:

1. FUTURE CURB & GUTTER AS PART OF C.O.A. PROJECT NO. 6398.81.
2. CONTRACTOR SHALL INSTALL A 4' WIDTH OF TEMPORARY PVMT PER SECTION 'C' ON SHEET 7.
3. NEW STANDARD CURB & GUTTER PER C.O.A. STD. DWG. 2415.
4. NEW WHEELCHAIR RAMP TO BE CONSTRUCTED PER C.O.A. STD. DWG. 2441.
5. EDGE OF NEW PAVEMENT.
6. NEW WHEELCHAIR RAMP TO BE CONSTRUCTED PER C.O.A. STD. DWG. 2440.
7. NEW PAVING CONCRETE VALLEY GUTTER PER C.O.A. STD. DWG. 2415.
8. FLOWLINE USED FOR PROFILE GRADES.
9. NOT USED
10. NEW 6' CONCRETE SIDEWALK PER C.O.A. STD. DWG. 2430.
11. ADJUST EXISTING MANHOLE TO GRADE.
12. DESIGN OF EAST SIDE OF ELIZABETH ST. BY OTHERS. SEE C.O.A. PROJECT NO. 6447.81
13. EXISTING 108" RCP STORM DRAIN.

CURVE DATA

NO.	DELTA	RADIUS	LEN.	TAN.
C4	83°16'15"	35.00	50.87	31.11
C5	NOT USED			
C6	96°24'54"	35.00	58.90	39.16
C7	NOT USED			
C8	61°56'48"	715.00	773.04	429.16
C9	02°18'40"	735.00	29.65	14.83
C10	00°35'51"	972.88	10.15	5.07

CURB RETURN DATA

POINT NO.	TOP OF CURB	FLOW LINE
7	3.63 ~~03.29~~	02.96
8	3.21 ~~02.95~~	03.13
9	2.64 ~~02.55~~	01.97
10	1.34 ~~01.51~~	00.67
11	2.64 ~~02.61~~	01.97
12	1.63 ~~02.01~~	01.45

SCALE: 1" = 5'

FOR INFORMATION ONLY

SCALE: 1" = 20'

SEC PROJ. NO. 199207A

Smith Engineering Company
A Full Service Engineering Company
8400 Uptown Boulevard, N.E. Suite 500E Albuquerque, New Mexico 87110

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY
GO DIRECTLY EAST 292'
ELEVATION = ~~5471.78~~ 5500.67'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE
11599 STEPHEN JAMES TOLER
FROM SURVEYING CONTROL, INC.

ENGINEERS STAMP
PATRICK J. CONLEY
NEW MEXICO
10761
REGISTERED PROFESSIONAL ENGINEER
2/27/01

NO.	DATE	REVISIONS/REMARKS	BY

DESIGNED BY: MJR DATE: 1/01
DRAWN BY: EAD DATE: 1/01
CHECKED BY: PJC DATE: 1/01

Kells + Craig
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
Architects, Inc. AIA
(505) 243-2724

CITY OF ALBUQUERQUE
DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES

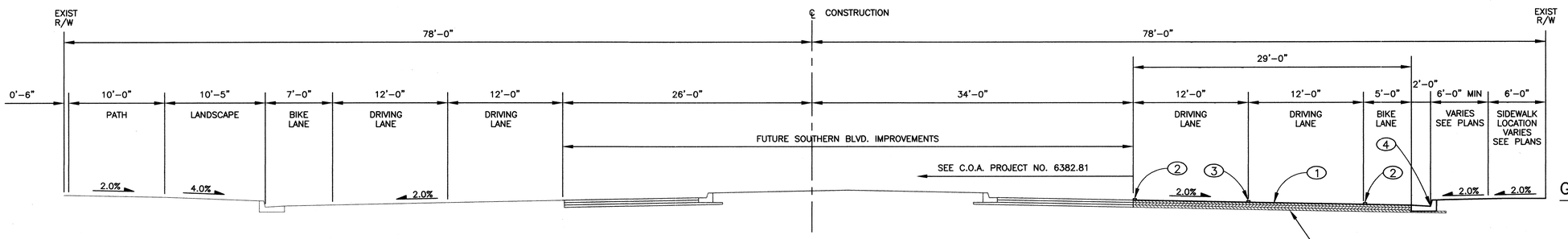
TITLE: MANZANO MESA MULTI-GENERATIONAL CENTER

PLAN & PROFILE: ELIZABETH ST. STA. 14+20 TO 18+08.08

Design Review Committee: APPROVED MAR 27 2001 DRC CHAIRPERSON, PLANNING DEPARTMENT
City Engineer Approval: APPROVED MAR 27 2001 CITY ENGINEER
Last Design Update MO/DAY/YR. MO/DAY/YR.

City Project No.	Zone Map No.	Sheet	Of
5751.92	L-21	6	9

Z:\Civ_Cadd\199207A\Option1\006_pnp.dwg Wed Feb 28 09:14:53 2001



TYPICAL ROADWAY SECTION–SOUTHERN BLVD, STA 10+00.00 TO STA 13+17.92

N.T.S.

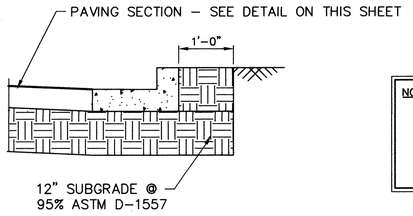
KEYED NOTES:

1. SLOPE VARIES FROM 2% TO 1% BEGINNING AT STA 14+06.38 TO CENTERLINE INTERSECTION WITH ELIZABETH STREET.
2. 4" SOLID WHITE REFLECTORIZED STRIPE.
3. 4" DASHED WHITE REFLECTORIZED STRIPE.
4. PROFILE GRADE
5. INSTALL 145 LF OF 2–3" AND 1–2" SCH. 40 PVC CONDUIT FOR FUTURE SIGNALIZATION. INCLUDE ALL NECESSARY CURB & GUTTER, SIDEWALK, AND WHEEL CHAIR RAMP REMOVAL AND REPLACEMENTS.
6. 6" HEADER CURB PER C.O.A. STANDARD DRAWING 2415.

GENERAL NOTES:

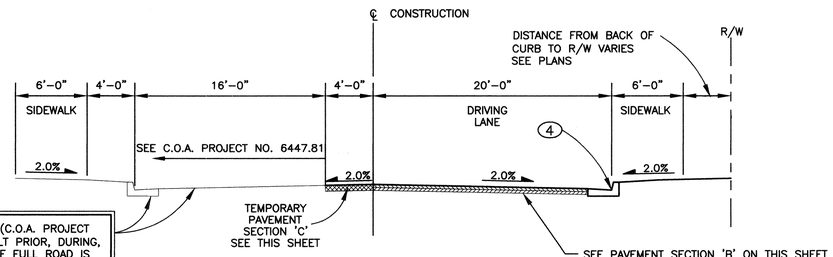
1. PAVEMENT SECTION BASED ON DESIGN R–VALUE OF 28 ON SOUTHERN BOULEVARD.

NOTE: CONTACT FIELD OPERATIONS ED TOLEDO PRIOR TO SIGNING AND STRIPING. (857–8004)



TYPICAL PERMANENT PAVING SECTION

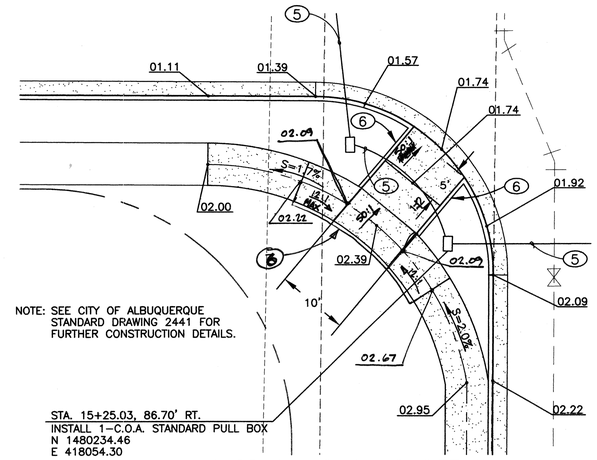
SCALE: N.T.S.



NOTE: EAST HALF OF THIS ROAD (C.O.A. PROJECT NO. 6398.81) MAY BE BUILT PRIOR, DURING, OR AFTER THIS PROJECT. IF FULL ROAD IS BUILT UNDER THIS PROJECT AN APPROPRIATE CHANGE ORDER WILL BE FILED FOR THIS CONTRACT. IF EAST HALF OF ROADWAY EXISTS AT TIME OF CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY SMITH ENGINEERING.

TYPICAL ROADWAY SECTION–ELIZABETH STREET, STA 15+63.29 TO STA 18+80.08

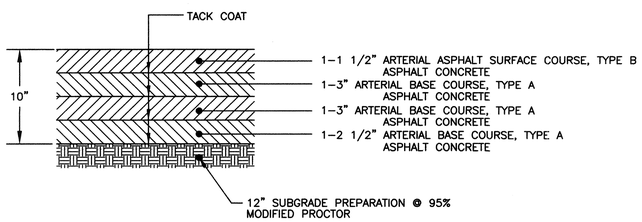
N.T.S.



NOTE: SEE CITY OF ALBUQUERQUE STANDARD DRAWING 2441 FOR FURTHER CONSTRUCTION DETAILS.

WHEELCHAIR RAMP DETAIL

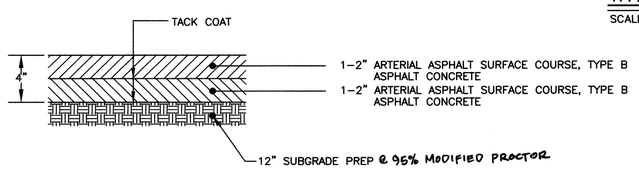
SCALE: 1"=10'



PAVEMENT SECTION 'A' FOR SOUTHERN BLVD.

N.T.S.

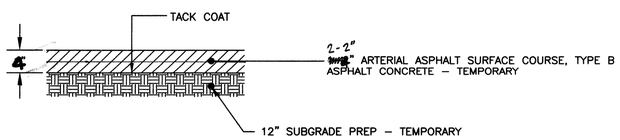
NOTE: PROJECT SHALL MATCH EXISTING INFRASTRUCTURE PROJECT FROM BOHANNAN HUSTON – C.O.A. PROJECT NO. 6382.81.



PAVEMENT SECTION 'B' FOR ELIZABETH STREET

N.T.S.

NOTE: PROJECT SHALL MATCH EXISTING INFRASTRUCTURE PROJECT FROM PARSONS BRINCKERHOFF – C.O.A. PROJECT NO. 6447.81.



PAVEMENT SECTION 'C' FOR ELIZABETH STREET

N.T.S.

FOR INFORMATION ONLY

SEC PROJ. NO. 199207A

Smith Engineering Company
A Full Service Engineering Company
8400 Uptown Boulevard, N.E. Suite 500E Albuquerque, New Mexico 87110

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:

MICRO–FILM INFORMATION
RECORDED BY DATE:
NO.

BENCH MARK
C.O.A. BENCHMARK "6–L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY
GO DIRECTLY EAST 292'
ELEVATION = ~~5471.78~~ 5500.67'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE
11599 STEPHEN JAMES TOLER
FROM SURVEYING CONTROL, INC.

ENGINEERS STAMP
PATRICK J. CONLEY NEW MEXICO 10041 REGISTERED PROFESSIONAL ENGINEER
3/27/01

REVISIONS/REMARKS BY
NO. DATE

DESIGNED BY: MJR DATE: 1/01
DRAWN BY: EAD DATE: 1/01
CHECKED BY: PJC DATE: 1/01

Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

CITY OF ALBUQUERQUE
DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES

TITLE: MANZANO MESA MULTI-GENERATIONAL CENTER
TYPICAL ROADWAY SECTIONS

Design Review Committee: APPROVED MAR 27 2001 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED MAR 27 2001 CITY ENGINEER
Last Design Update MO/DAY/YR. MO/DAY/YR.

City Project No. 5751.92 | Zone Map No. L-21 | Sheet 7 Of 9

Z:\Civ_Cadd\199207A\Option1\007_Details.dwg Wed Feb 28 09:28:27 2001

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

1. CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.

2. CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.

3. THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.

4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.

5. CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.

6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.

8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.

9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.

10. ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.

11. ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24-HOUR PER DAY BASIS UNTIL COMPLETED.

12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.

13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELLED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.

15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.

16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.

17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.

18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

19. 48-HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.

20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.

22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
    1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
    2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
    3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.

23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO IT'S PLACEMENT AND MAINTENANCE.

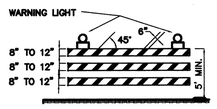
25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

26. ADVANCE WARNING SIGNS SHALL BE 36"x36" WITH SUPER ENGINEERING GRADE SHEETING OR BETTER. MOUNTING HEIGHT AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48-INCH SIGN AS INDICATED IN THE MUTCD.

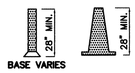
27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.

SPECIAL PROJECT NOTES:

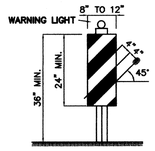
1. CONTRACTOR SHALL MAINTAIN TWO-WAY TRAFFIC, ONE LANE IN EACH DIRECTION, ON SOUTHERN BOULEVARD AT ALL TIMES.



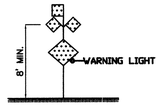
TYPE III BARRICADE



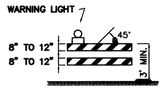
CONES



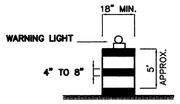
VERTICAL PANEL



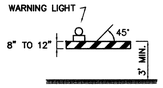
HIGH LEVEL WARNING DEVICE



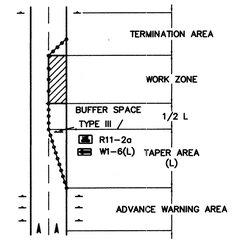
TYPE II BARRICADE
COLLAPSIBLE



BARREL



TYPE I BARRICADE
COLLAPSIBLE



TRAFFIC CONTROL ELEMENTS

LEGEND:

- TRAFFIC FLOW
- TRAFFIC CONTROL WARNING SIGN
- TRAFFIC CONTROL BARREL
- TRAFFIC CONTROL TYPE III BARRICADE
- EXISTING CURB-AND-GUTTER
- EXISTING STRIPING
- ONSITE CONSTRUCTION ZONE
- VERTICAL PANEL SIGN W/ SUPPORT
- ARROW BOARD

TAPER REQUIREMENTS

SPEED LIMIT (MPH)	TAPER LENGTH (L) (FEET)			MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM DEVICE SPACING IN FEET	
	10' LANE	11' LANE	12' LANE		ALONG TAPER	AFTER TAPER
20	70	75	80	5	20	20
25	105	115	125	6	25	25
30	150	165	180	7	30	30
35	205	225	245	8	35	35
40	270	295	320	9	40	40
45	450	495	540	13	45	45
50	500	550	600	13	50	50
55	550	605	660	13	55	55

RECOMMENDED SIGN SPACING(D) FOR ADVANCE WARNING SIGN SERIES

SPEED MILES PER HOUR	MINIMUM DISTANCE IN FEET BETWEEN SIGNS	FROM LAST SIGN TO TAPER
0-20	10 X SPEED LIMIT	10 X SPEED LIMIT
25-30	10 X SPEED LIMIT	10 X SPEED LIMIT
30-35	10 X SPEED LIMIT	10 X SPEED LIMIT
40-45	10 X SPEED LIMIT	10 X SPEED LIMIT
50-60	10 X SPEED LIMIT	10 X SPEED LIMIT

TAPER CRITERIA

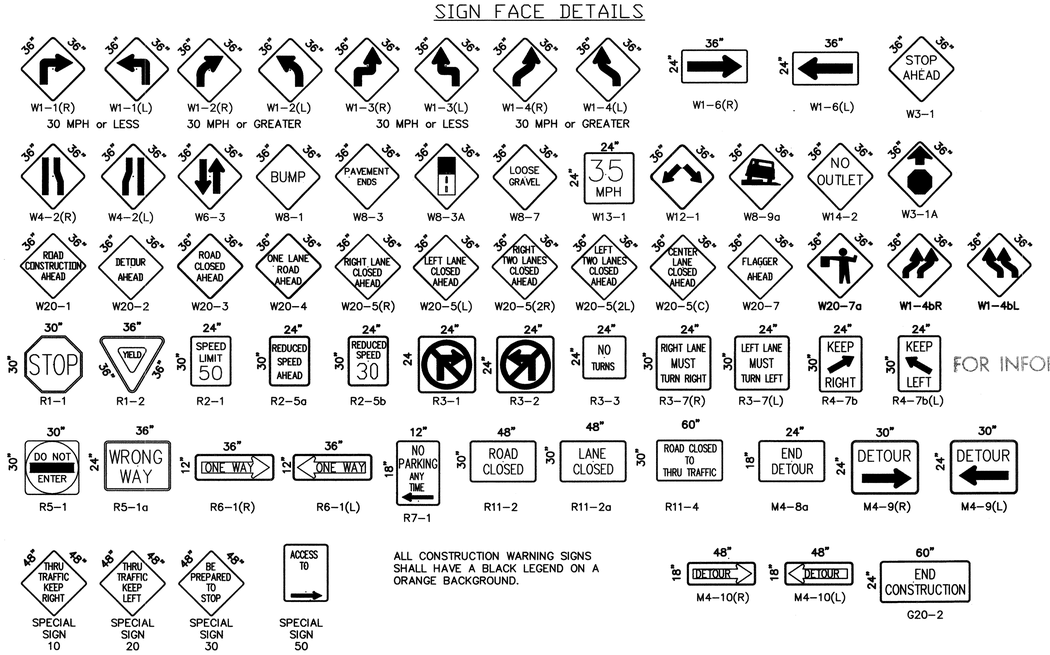
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

SPEED LIMIT	
40 MPH OR LESS	$L = \frac{WS^2}{60}$
45 MPH OR GREATER	$L = W \times S$

L = TAPER LENGTH
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED OR OFF-PEAK 85-PERCENTILE SPEED IN MPH

SIGN FACE DETAILS



ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

FOR INFORMATION ONLY

SEC PROJ. NO. 199207A

Smith Engineering Company
A Full Service Engineering Company
8400 Uptown Boulevard, N.E. Suite 500E Albuquerque, New Mexico 87110

Kells + Craig
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
Architects, Inc. AIA
(505) 243-2724

CITY OF ALBUQUERQUE
DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES

TITLE: MANZANO MESA MULTI-GENERATIONAL CENTER
SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS

Design Review Committee	City Engineer Approval	Last Design Update	MO/DAY/YR.	MO/DAY/YR.
COP	STD			

City Project No.	Zone Map No.	Sheet	Of
5751.92	L-21	8	9

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY
GO DIRECTLY EAST 292'
ELEVATION = ~~6471.78'~~ 5500.67'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

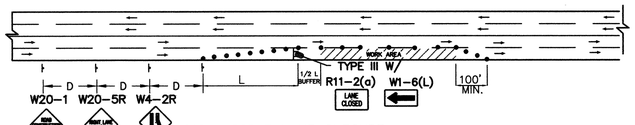
SURVEY INFORMATION
FIELD NOTES
NO. 11599 BY STEPHEN JAMES TOLER DATE
FROM SURVEYING CONTROL, INC.

ENGINEERS STAMP
PATRICK J. CONLEY NEW MEXICO 14008 REGISTERED PROFESSIONAL ENGINEER

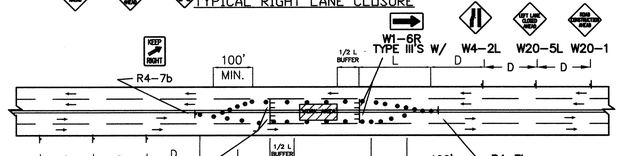
NO.	DATE	REVISIONS/REMARKS	BY

DESIGNED BY: MJR DATE: 1/01
DRAWN BY: EAD DATE: 1/01
CHECKED BY: PJC DATE: 1/01

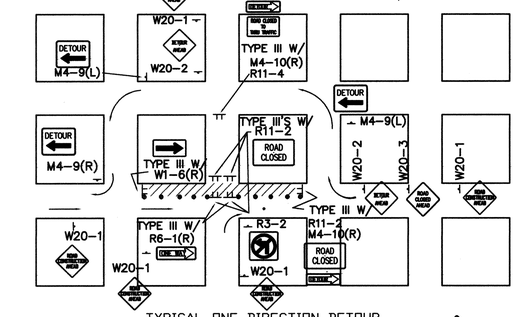
Z:\Civ_Cadd\199207A\Option1\008Traffic.dwg Wed Feb 28 09:29:25 2001



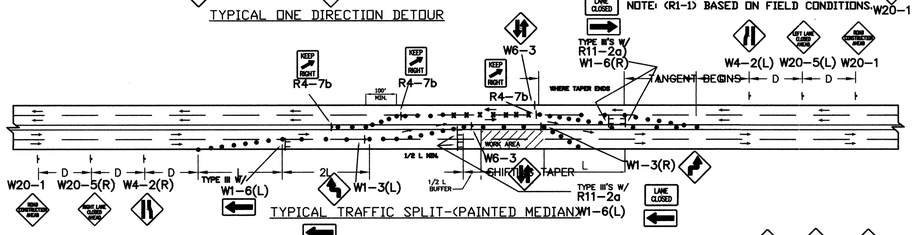
TYPICAL RIGHT LANE CLOSURE



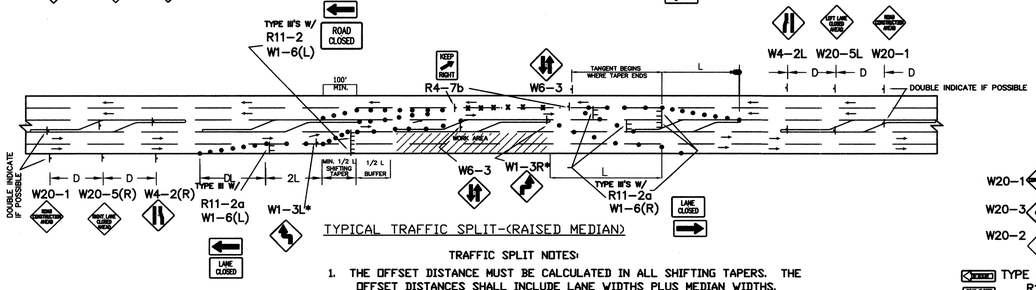
TYPICAL LEFT LANE CLOSURE



TYPICAL ONE DIRECTION DETOUR



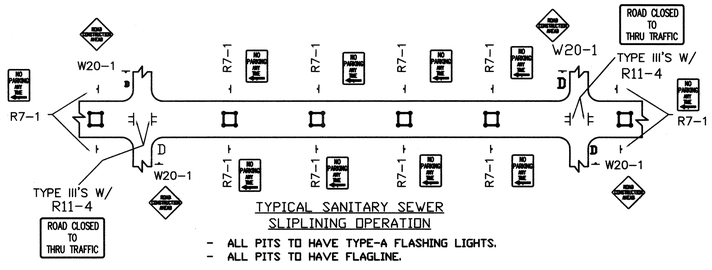
TYPICAL TRAFFIC SPLIT-(PAINTED MEDIAN)



TYPICAL TRAFFIC SPLIT-(RAISED MEDIAN)

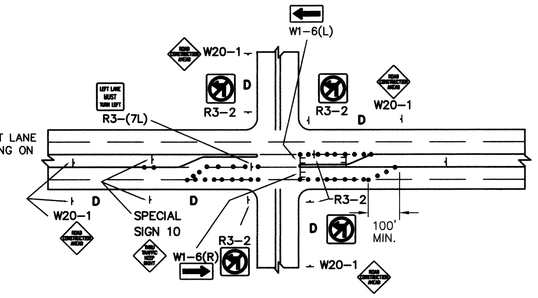
TRAFFIC SPLIT NOTES:

1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE OFFSET DISTANCES SHALL INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS.
2. 1/2 L IS MINIMUM DISTANCE FOR SHIFTING TAPERS.
3. REVERSE CURVES MAY BE IMPLEMENTED. ALL CURVE DATA SHALL BE CALCULATED.
4. MEDIAN REMOVAL SHALL BE REQUIRED IF 1/2 L OR REVERSE CURVE IS NOT SUFFICIENT. MEDIAN REMOVAL SHALL TAKE PLACE BEFORE SPLITS.
5. REDUCED SPEED MAY BE CONSIDERED.
6. * USE W1-3 FOR 30 MPH OR LESS, W1-4 FOR SPEED 35 MPH OR GREATER.



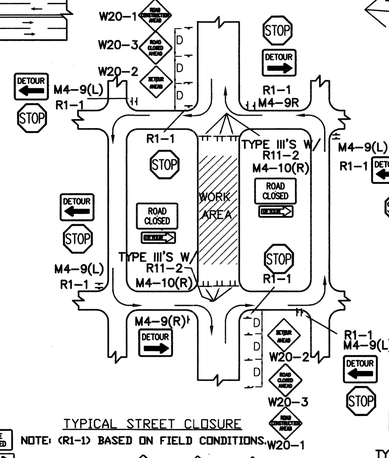
TYPICAL SANITARY SEWER SLIPLINING OPERATION

- ALL PITS TO HAVE TYPE-A FLASHING LIGHTS.
- ALL PITS TO HAVE FLAGLINE.



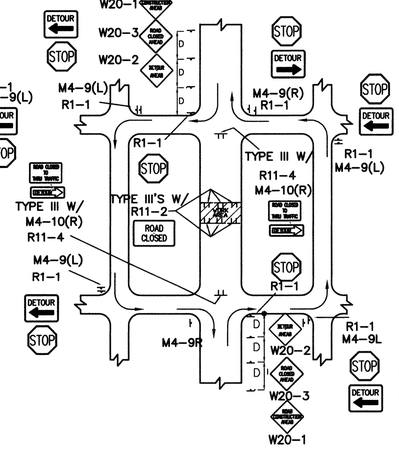
TYPICAL LANE CLOSURE AT INTERSECTION

NOTE: DEPENDING ON WORK ZONE LOCATION



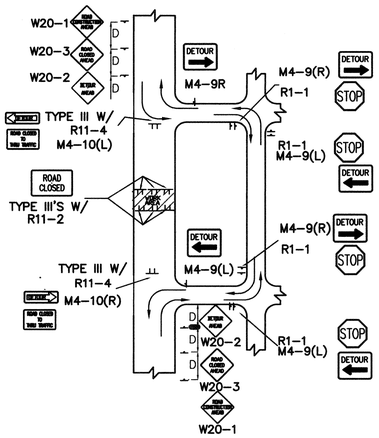
TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.



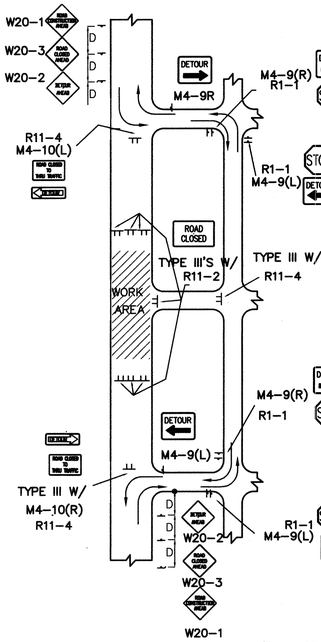
TYPICAL MID-BLOCK CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.



TYPICAL STREET CLOSURE

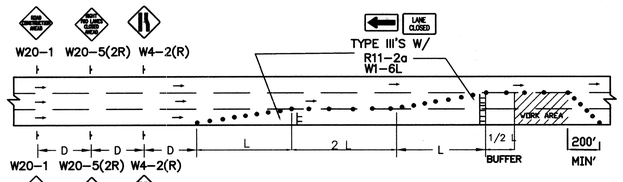
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



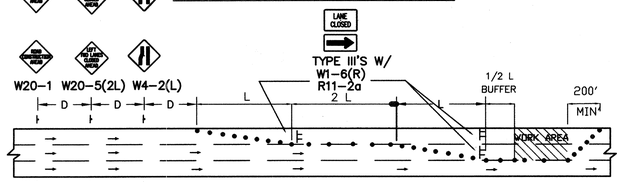
TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.

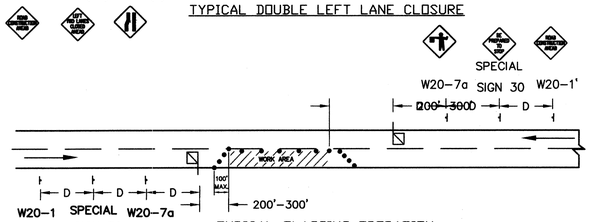
FOR INFORMATION ONLY



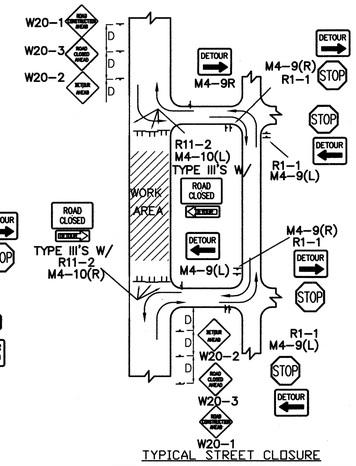
TYPICAL DOUBLE RIGHT LANE CLOSURE



TYPICAL DOUBLE LEFT LANE CLOSURE



TYPICAL FLAGGING OPERATION



TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.

GENERAL NOTE:

ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF FORTY EIGHT (48) INCHES BY FORTY EIGHT (48) INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.

SEC PROJ. NO. 199207A

Smith Engineering Company
A Full Service Engineering Company
8400 Uptown Boulevard, N.E. Suite 500E Albuquerque, New Mexico 87110

NO.	DATE	REVISIONS/REMARKS	BY
		DESIGNED BY: MJR DATE: 1/01	
		DRAWN BY: EAD DATE: 1/01	
		CHECKED BY: PJC DATE: 1/01	

ENGINEERS STAMP: PATRICK J. CONLEY, NEW MEXICO, REGISTERED PROFESSIONAL ENGINEER, 11599, 2/28/01

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN JAMES TOLER FROM SURVEYING CONTROL, INC.	

BENCH MARK
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND STEVEN MOODY GO DIRECTLY EAST 292'
ELEVATION = 5471.78 5500.69'
GROUND COORDINATES: NORTHING = 1,481,746.33
EASTING = 418,123.51
GRID COORDINATES: NORTHING = 1,481,220.09
EASTING = 417,975.01
GROUND TO GRID FACTOR: 0.99964485

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

Kells + Craig
Architects, Inc. AIA
400 Gold S.W.
Suite 880
Albuquerque, New Mexico 87102
(505) 243-2724

CITY OF ALBUQUERQUE
DEPARTMENT OF SENIOR AFFAIRS
DEPARTMENT OF FAMILY & COMMUNITY SERVICES

TITLE: MANZANO MESA MULTI-GENERATIONAL CENTER
TYPICAL TRAFFIC CONTROL AND SIGNING

Design Review Committee	City Engineer Approval	Last Design Update	MO/DAY/YR.	MO/DAY/YR.
COA	SID			

City Project No.	Zone Map No.	Sheet	Of
5751.92	L-21	9	9

Z:\Civ_Cadd\199207A\Option1\009Traffic2.dwg Wed Feb 28 09:30:39 2001