



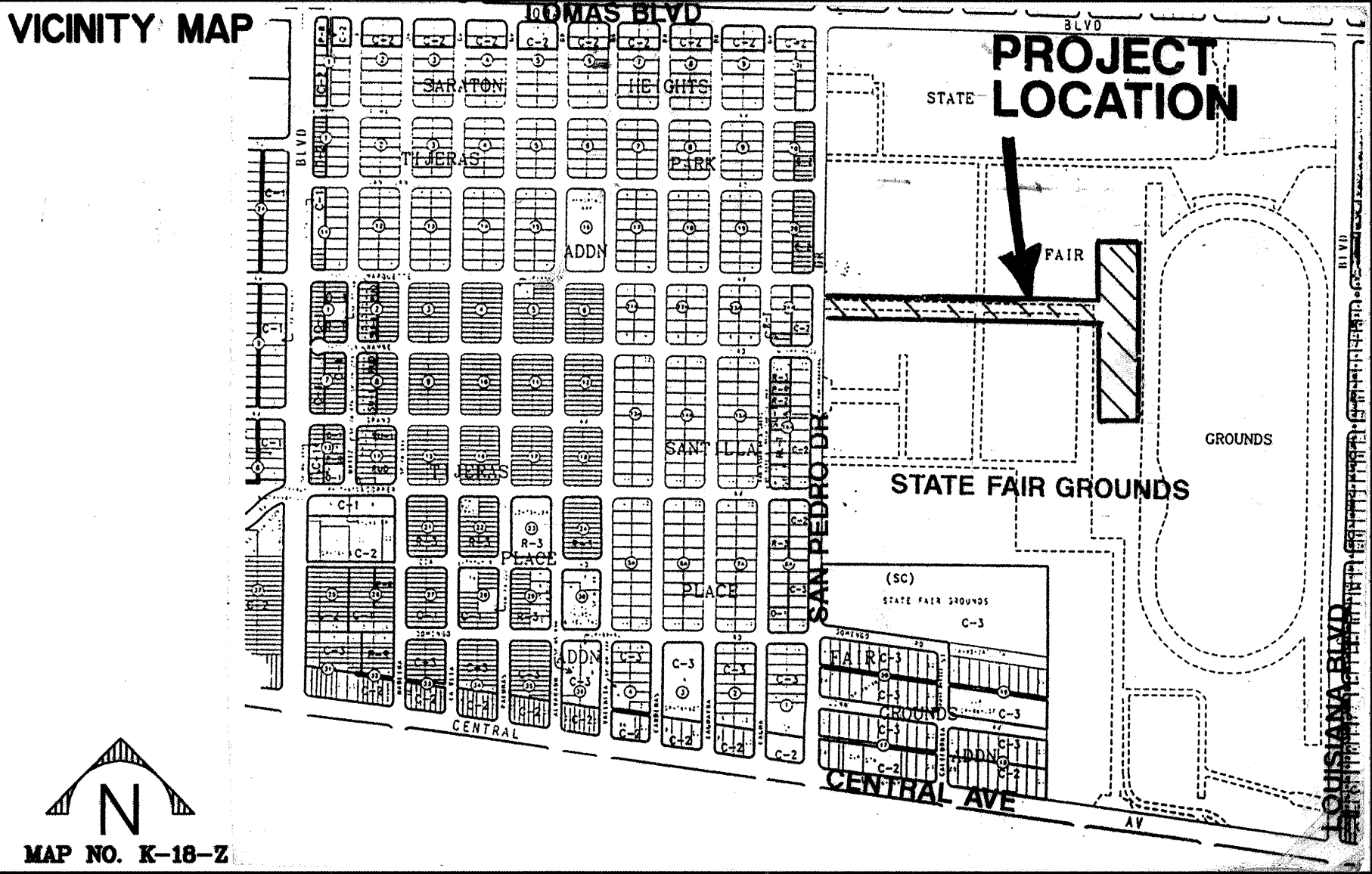
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
PLANS FOR CONSTRUCTION

NEW MEXICO STATE FAIR
12" PUBLIC FIRELINE

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APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
Peter Chang
DATE 12-8-99



"RECORD DRAWINGS"
I HEREBY CERTIFY THAT THE INFORMATION CONTAINED ON THESE DRAWINGS HAS BEEN REVISED IN ACCORDANCE WITH THE INFORMATION FURNISHED BY THE CONTRACTOR, ALBUQUERQUE UNDERGROUND INC. (AUI). AUI HANDLED THEIR OWN CONSTRUCTION STAKING AND REFLECTS THE CONSTRUCTION AS ACTUALLY ACCOMPLISHED WHILE A CONSTRUCTION OBSERVER FROM SMITH ENGINEERING CO. WAS PRESENT. THESE PLAN DRAWINGS AS CONSTRUCTED IS IN SUBSTANTIAL COMPLIANCE WITH THE APPROVED PLAN DRAWINGS.
Douglas L. Andrews 11-11-99
DOUGLAS L. ANDREWS, NMPE 11771 DATE

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NEW MEXICO STATE FAIR
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REV.	SHEETS	ENGINEER	DATE	USER	DEPARTMENT	DATE	USER	DEPARTMENT	DATE
ENGINEERS' STAMP & SIGNATURE		APPROVED	ENGINEER	DATE	APPROVED FOR CONSTRUCTION				
		DRC Chairman	<i>Billy G. Salsky</i>	3-15-99	<i>Mark Coffey</i> 5/10/99 CITY ENGINEER DATE				
		Transportation	<i>R.W. Kane</i>	2-08-99					
		Water/Wastewater	<i>P.W. Kane</i>	2-8-99					
		Hydrology	<i>P.W. Kane</i>	2/8/99					
		C I P/PGSD							
Constr. Mngmt.	<i>J.P. Lutz</i>	3-8-99							
Constr. Coord.									
		PROJECT NUMBER		6048.81		SHEET 1 OF 10			

GENERAL NOTES:

- 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 OF ALBUQUERQUE 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, HAVE THE CITY SURVEY SECTION 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, 1986 EDITION INCLUDING ALL UPDATES THROUGH UPDATE NO. 6.
- 4

NOT USED
- 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 EXISTING WATER VALVE BOXES AND MANHOLES IN THE CONSTRUCTION LIMITS 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

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

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

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.
- 11

WHEN ABUTTING NEW PAVEMENT TO EXISTING PAVEMENT, 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.
- 12

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.
- 13

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.
- 14

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.
- 15

CONTRACTOR WILL PLACE BITUMINOUS MATERIAL WITH THE USE OF A LAYDOWN MACHINE WHERE PAVEMENT IS 7 FEET IN WIDTH OR WIDER.
- 16

CONTRACTOR WILL NOT PAVE OVER ANY SURFACE FEATURE, I.E., GAS VALVE, MANHOLE COVER, ETC. WITHOUT PRIOR APPROVAL FROM THE CITY FIELD ENGINEER.
- 17

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.
- 18

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.
- 19

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.
- 20

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.
- 21

THE CONTRACTOR SHALL CONSTRUCT CITY OF ALBUQUERQUE STANDARD WHEELCHAIR RAMPS TO CONFORM TO CURRENT ADA REQUIREMENTS.
- 22

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.
- 23

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.
- 24

TACK COAT FOR SURFACE COURSE REQUIREMENTS WILL BE DETERMINED BY THE CITY FIELD ENGINEER.
- 25

BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- 26

ALL NEW STREET PAVING, DRIVEWAYS, SIDEWALKS, AND CURB AND GUTTERS, ABUTTING EXISTING AREAS SHALL MATCH THE ELEVATION OF THOSE AREAS.
- 27

PERMANENT PAVEMENT STRIPING AND MARKINGS WILL BE PLACED BY THE CONTRACTOR. ROAD SHALL NOT BE OPENED TO TRAFFIC UNTIL IT IS STRIPED ACCORDING TO THE PLAN DRAWINGS. 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 ON UNIFORM TRAFFIC CONTROL DEVICES.
- 28

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.
- 29

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.
- 30

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.
- 31

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, PRIOR TO PLACING THE TRAFFIC CONTROL DEVICES, THE CONTRACTOR WILL NOTIFY THE AFFECTED OWNERS. CONTRACTOR MUST MAKE PROVISIONS TO PROVIDE ACCESS TO PROPERTIES.
- 32

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.
- 33

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.
- 34

ALL INTERFERING PORTIONS OF ABANDONED UTILITY LINES WHICH ARE EXPOSED AS A RESULT OF CONSTRUCTION WILL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
- 35

SHORING COSTS WILL BE CONSIDERED INCIDENTAL TO THE TRENCH AND BACKFILL COSTS.
- 36

THE CONTRACTOR WILL BE RESPONSIBLE FOR SECURING NPDES PERMITS REQUIRED BY APPLICABLE CITY, STATE, AND FEDERAL REGULATIONS.
- 37

THE TERM REMOVE USED IN THIS PLAN SET INCLUDES THE DISPOSAL OF SAID MATERIAL IN ACCORDANCE WITH CITY OF ALBUQUERQUE SPECIFICATIONS, LATEST EDITION.
- 38

ALL ASPHALTIC CONCRETE SHALL BE MINIMUM 1800 LB. STABILITY AND COMPACTED TO 95% MODIFIED MARSHALL DENSITY UNLESS OTHERWISE NOTED ON THE PLANS.
- 39

ALL STRUCTURAL CONCRETE TO BE 4000 PSI UNLESS OTHERWISE NOTED ON PLANS.
- 40

ALL REINFORCING STEEL TO BE GRADE 60 UNLESS OTHERWISE NOTED ON PLANS.
- 41

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.
- 42

ALL STORM DRAIN AND CONNECTOR PIPE WILL BE CLASS IV REINFORCED CONCRETE PIPE UNLESS OTHERWISE NOTED ON THE PLANS.
- 43

EXCESS EXCAVATION REQUIRED TO CONSTRUCT THE PROJECT THAT DOES NOT HAVE A CORRESPONDING BID ITEM (ie: EXCAVATION OF SUBGRADE OR DIRT) SHALL BE REMOVED AND DISPOSED OF AT NO ADDITIONAL COST TO THE OWNER AND WILL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.
- 44

EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650.
- 45

CONTRACTOR IS ADVISED TO VISIT THE PROJECT SITE PRIOR TO BIDDING AND FAMILIARIZE THEMSELVES WITH FIELD CONDITIONS INCLUDING THE LOCATION OF UTILITIES SHOWN ON THE PLANS AND OTHER UTILITIES/ OBSTACLES CLEARLY VISIBLE IN THE FIELD. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PLAN THEIR CONSTRUCTION METHODS TO ADEQUATELY SUPPORT AND/OR AVOID ALL UTILITIES SHOWN ON THE PLANS AND ALL UTILITIES/OBSTRUCTIONS CLEARLY VISIBLE IN THE FIELD. ANY RELOCATION OF UTILITIES OBSTACLES SHOWN ON THE PLANS OR VISIBLE IN THE FIELD IN ORDER TO COMPLETE THE REQUIRED WORK WILL BE CONSIDERED TO BE CONTRACTOR CONVENIENCE AND BE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS THE UTILITY/OBSTRUCTION IS IDENTIFIED ON THE PLANS AS BEING RELOCATABLE AS PART OF THE PROJECT. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL REQUIRED RELOCATIONS WITH APPROPRIATE UTILITIES/INDIVIDUALS.
- 46

LOCATION OF EXISTING UTILITIES SHOWN ON THIS PLAN SET WERE OBTAINED FROM DESIGN SURVEY INFORMATION AND AS-BUILT DRAWING PROVIDED BY THE NEW MEXICO STATE FAIR. OTHER AND/OR ADDITIONAL UTILITIES MAY EXIST IN THE WORK AREAS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD LOCATE ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR SHOULD CONTACT THE NEW MEXICO STATE FAIR AT 265-1791 PRIOR TO CONSTRUCTION FOR AID IN LOCATING EXISTING UTILITIES.
- 47

ALL FIRE HYDRANTS TO HAVE 4.5' BURY

LOCAL SURVEY CONTROL INFORMATION

POINT NUMBER	DESCRIPTION	NORTHING	EASTING	ELEVATION		
CP-201	ACS BRASS CAP IN THE BACK OF THE CURB ON THE SOUTH EAST CORNER OF THE INTERSECTION OF LOUISIANA AND COPPER	1484966.8020	405034.2440	5319.37		
CP-202	60D NAIL SET IN EXPANSION JOINT ±3' SOUTHEAST OF TRAFFIC SIGNAL MANHOLE	1486325.5660	404962.1730	5308.06		
CP-203	60D NAIL SET IN EXPANSION JOINT OF SIDEWALK NORTHWEST CORNER OF GATE 8 AND LOUISIANA. 1.5' WEST OF BACK OF CURB	1486830.1060	404958.8800	5306.85		
CP-204	REBAR W/CAP SET ON LEVEL GROUND 12' NORTH OF PIPE FENCE OF RACETRACK. 2 WHITE BUILDINGS ARE DUE WEST.	1486696.9640	404141.3600	5311.17		
CP-205	REBAR W/CAP IN DIRTROAD BETWEEN FENCES OF BASINS ±7' SOUTH OF FENCE. USE MILEMARKER 1/2 TO GET CLOSE	1486056.4230	404750.9150	5305.86		
CP-206	REBAR W/CAP SET IN DIRT ROAD BETWEEN FENCES OF BASINS ±10' SOUTH OF FENCE. USE MILE MARKER 5/8 TO GET CLOSE.	1485328.4480	404758.9810	5306.54		
CP-207	SET PK ±10' WEST AND 11' NORTH OF NW CORNER OF DROP INLET	1487225.6670	404324.0360	5296.47		
CP-208	PK NAIL SET ±12' SOUTH STALL BLOCK "D" AND ±15' EAST NORTHEAST OF MANHOLE	1487221.2900	403999.4260	5291.75		
CP-209	DIRECTLY UNDER POWERLINE. REBAR W/CAP ±13' EAST OF RED PIPE FENCE CORNER AND 5' NORTH OF	1487281.9530	402794.9960	5284.42		
CP-210	REBAR W/CAP ±7' WEST END FENCE 6' WEST STOP SIGN 4' NORTH CHAIN-LINK FENCE	1486903.4420	402632.9250	5277.56		
CP-211	REBAR W/CAP ±15' SOUTH OF BLOCK WALL BORDERING LOMAS AND d' WEST OF CHAIN-LINK FENCE BETWEEN PARKING LOT AND STALLS	1487632.1670	402699.9850	5277.44		
CP-215	60d NAIL SET IN EXPANSION JOINT OF SIDEWALK IN LINE WITH SW EDGE OF CONCRETE APRON	1487178.8820	402379.0900	5273.59		
CP-217	PK NAIL ±40' NORTHEAST BLDG CORNER VILLA HISPANA AND ±25' WEST 5 LARGE PLANTERS @ INTERSECTION	1486102.8370	402812.4120	5280.07		
CP-218	PK NAIL SET IN INTERSECTION OF MAIN AND HERITAGE ±20' NE OF MH AND ±43' NORTH NORTHWEST OF LIGHT TOWER	1486111.1530	403187.9220	5285.35		
CP-301	60d NAIL SET IN DIRT AREA NORTHEAST OF TINGLEY COLISEUM ±9' FROM EAST FENCE AND ±45' FROM NORTH FENCE	1486173.0300	403949.3000	5297.49		
CP-303	PK NAIL SET ±33' FROM SOUTHEAST CORNER OF ATM MACHINE AND ±87' FROM SOUTHWEST CORNER OF TICKET OFFICE	1485691.0300	403649.9350	5298.42		

LEGEND:

- X

X

EXISTING CHAIN-LINK FENCE
- OHE

- EXISTING OVERHEAD ELECTRIC

EX 2" HP GAS

EXISTING 2" HP GAS

EX 48" SAS

EXISTING 48" SAS

EX 10" SAS

EXISTING SAS

EX 10" WL

EXISTING WATER

EX 18" SD

EXISTING STORMDRAIN

EXISTING BLOCK WALL

EXISTING WATER VALVE

EXISTING CATCH BASIN

W.M.

EXISTING WATER METER

EXISTING MANHOLE

NEW MANHOLE

NEW JUNCTION BOX

EXISTING FIRE HYDRANT

EXISTING LIGHT POLE

NEW ASPHALT PAVEMENT

EXISTING TRAFFIC LIGHT

EXISTING ASPHALT PAVEMENT

C.O.A.

CITY OF ALBUQUERQUE

X 06.8

EXISTING SPOT ELEVATION

5100

EXISTING CONTOUR LINE

EXISTING TREE

NEW STORM DRAIN

CENTERLINE

TOP OF ASPHALT ELEVATION

EXISTING BUILDING

EXISTING CURB AND GUTTER

SURVEY CONTROL POINT

EXISTING SIGN

ROW

ESMNT

EXISTING EASEMENT LINE

PROPOSED EASEMENT LINE

PROPOSED CONTOURS

PROPOSED WATERLINE

PROPOSED WATERLINE VALVE

PROPOSED WATERLINE BEND

PROPOSED FIRE HYDRANT

RECORD DRAWINGS

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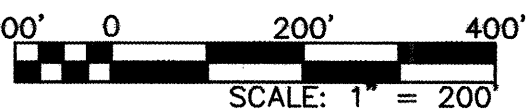
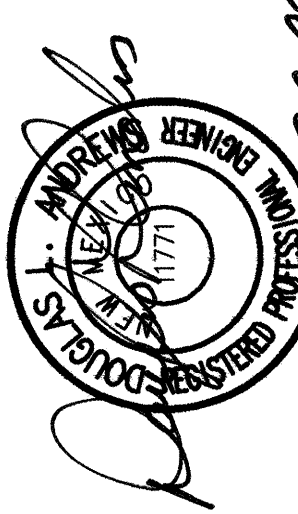
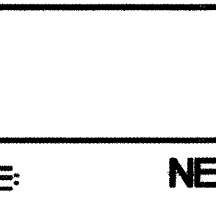
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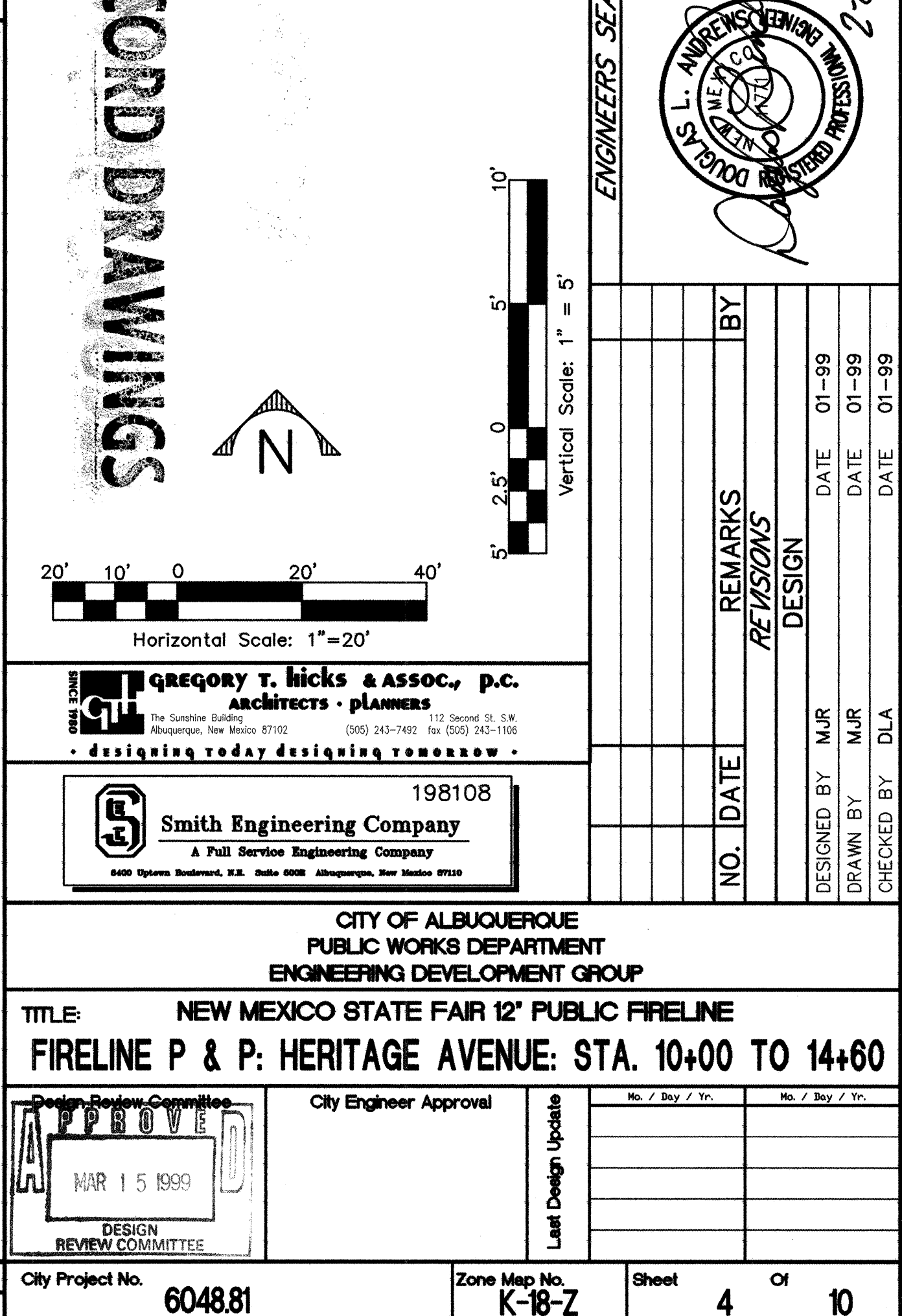
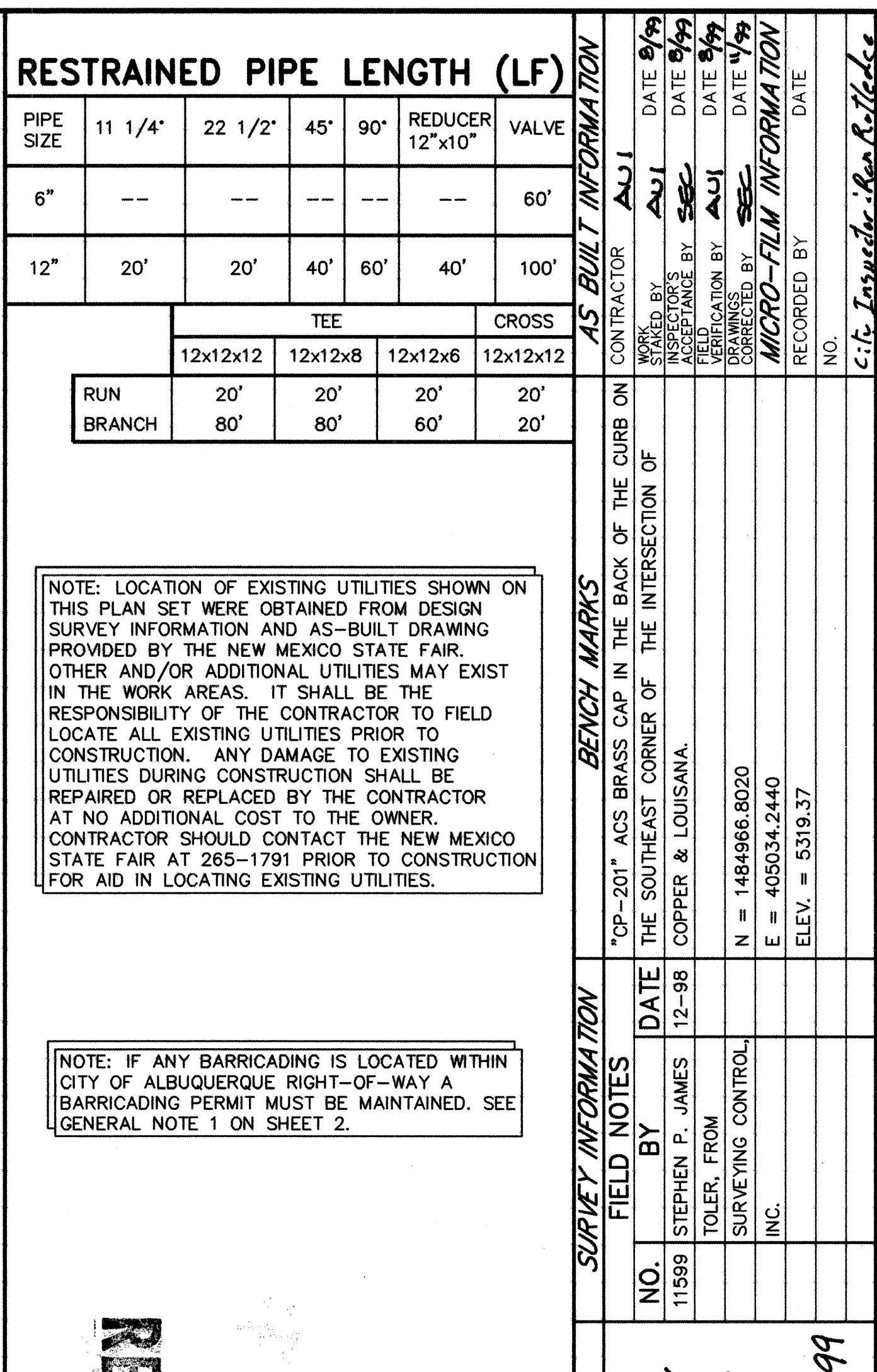
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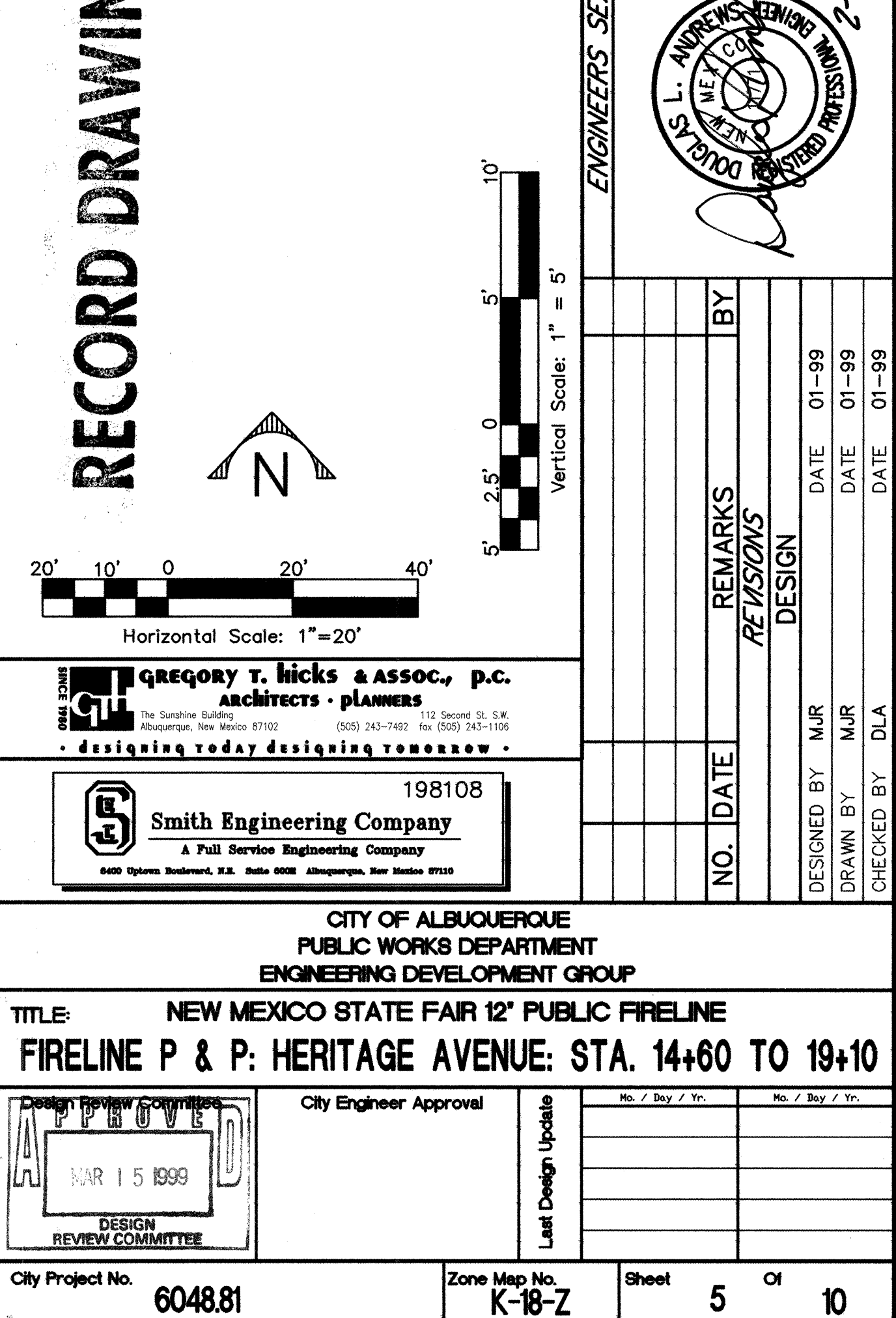
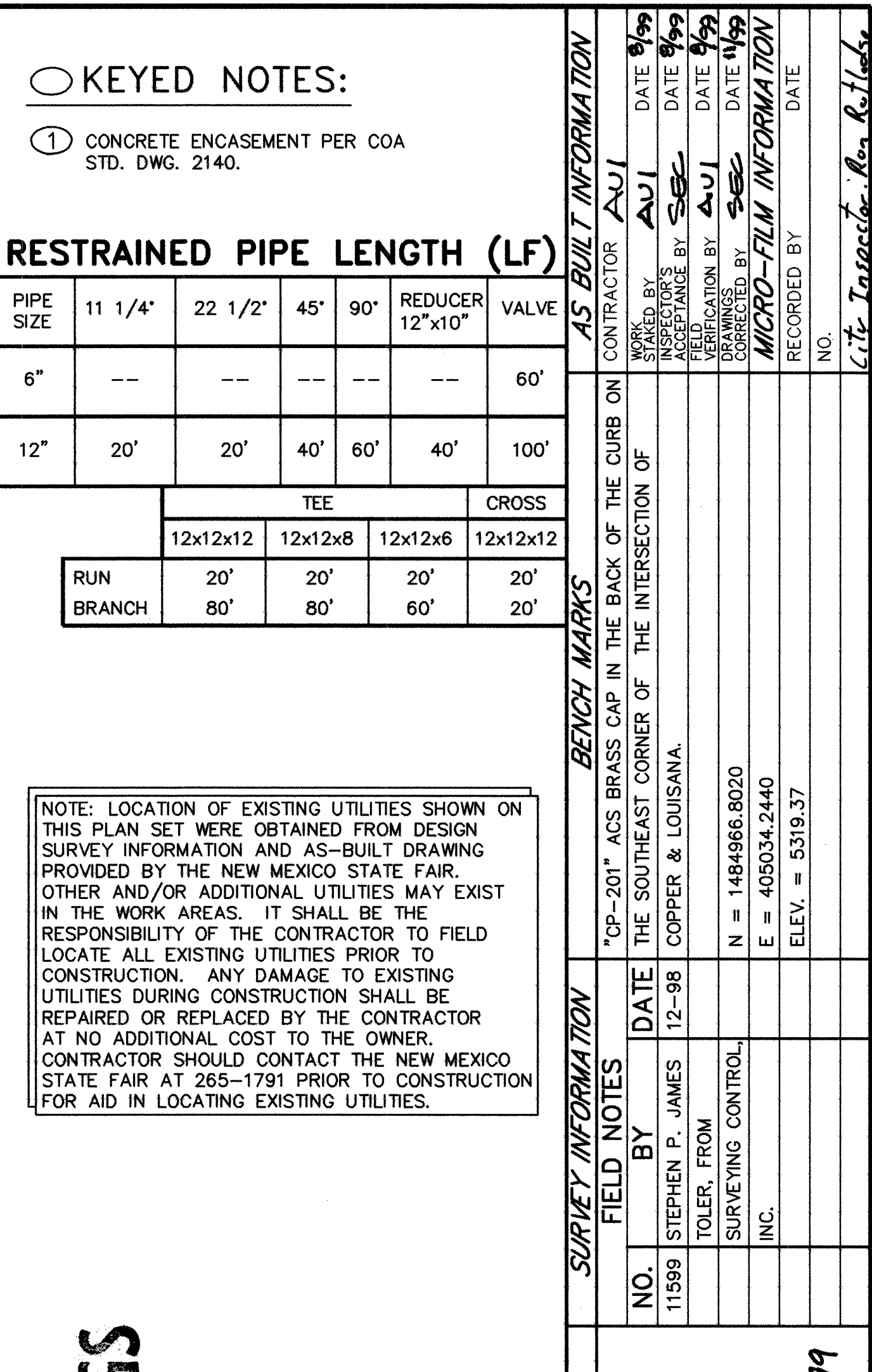
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: NEW MEXICO STATE FAIR 12' PUBLIC FREELINE			
GENERAL NOTES, LEGEND & SURVEY CONTROL			
City Engineer Approval APPROVED MAR 15 1999 DESIGN REVIEW COMMITTEE	City Engineer Approval	Last Design Update	No. / Day / Yr.
			No. / Day / Yr.
			No. / Day / Yr.
			No. / Day / Yr.
City Project No. 6048.81	Zone Map No. K-18-Z	Sheet 2	Of 10

City Inspector: Ken Rolden



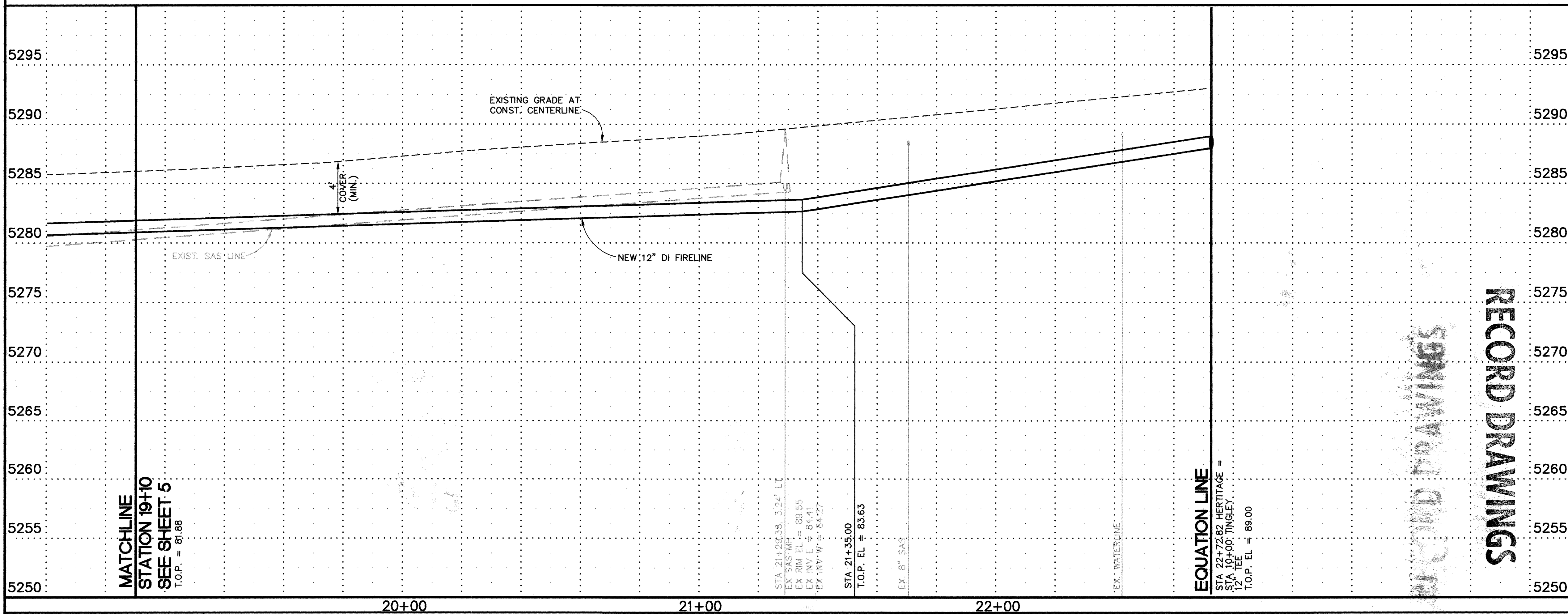
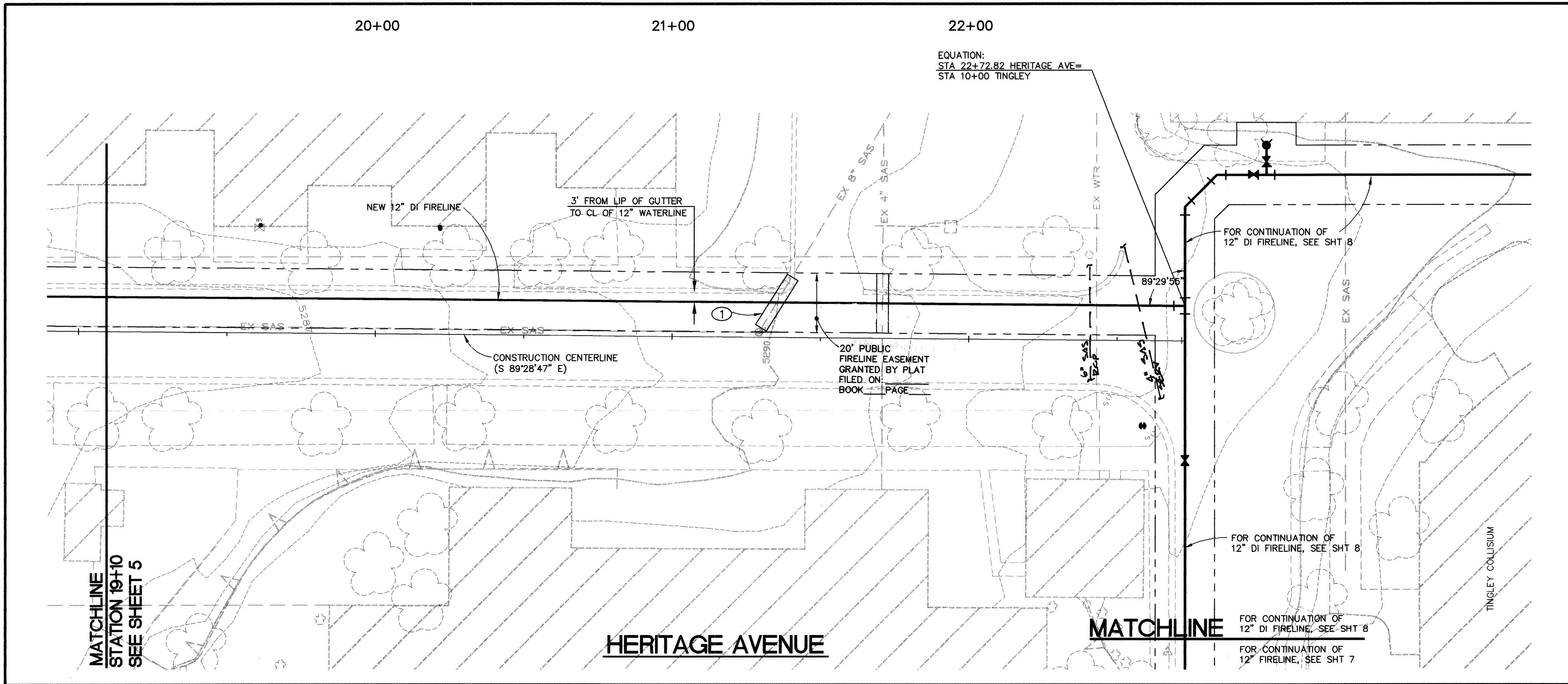
  SCALE: 1" = 200'				ENGINEERS SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		NO. _____ BY _____ 11589 STEPHEN P. JAMES TOLER, FROM SURVEYING CONTROL, INC.		FIELD NOTES DATE 12-98 THE SOUTHEAST CORNER OF THE INTERSECTION OF "CP-201" ACS BRASS CAP IN THE BACK OF THE CURB ON COPPER & LOUISIANA.		CONTRACTOR AJI WORKED BY AJI INSPECTOR'S DATE 8/99 FIELD VERIFICATION BY AJI DATE 8/99 CORRECTED BY AJI DATE 11/99 MICRO-FILM INFORMATION RECORDED BY _____ DATE _____ NO. _____					
GREGORY T. HICKS & ASSOC., P.C. architects • planners The Sunburst Building 112 Second St. SW Albuquerque, New Mexico 87102 (505) 243-7492 fax (505) 243-1106 • designing today designing tomorrow •		REMARKS DESIGN		DATE 01-99 DRAWN BY MJR CHECKED BY DLA		NO. / DATE BY		AS BUILT INFORMATION		AS BUILT INFORMATION	
Smith Engineering Company A Full Service Engineering Company 6400 Uptown Boulevard, N.E. Suite 600B Albuquerque, New Mexico 87110		198108		NO. / DATE BY		NO. / DATE BY		NO. / DATE BY		NO. / DATE BY	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP											
TITLE: NEW MEXICO STATE FAIR 12" PUBLIC FIRELINE											
WORK AREA LOCATION MAP											
City Engineer Approval 				Last Design Update No. / Day / Yr. _____ No. / Day / Yr. _____ No. / Day / Yr. _____ No. / Day / Yr. _____				No. / Day / Yr. _____ No. / Day / Yr. _____ No. / Day / Yr. _____ No. / Day / Yr. _____			
City Project No. 6048.81				Zone Map No. K-18-Z				Sheet 3 of 10			





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SCANNED BY
MESA REPRO



○ KEYED NOTES:

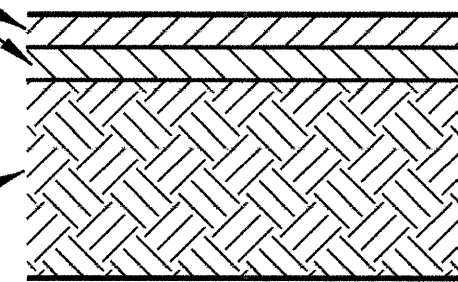
① CONCRETE ENCASMENT PER COA
STD. DWG. 2140.

RESTRAINED PIPE LENGTH (LF)

PIPE SIZE	11 1/4"	22 1/2"	45"	90"	REDUCER 12"x10"	VALVE
6"	--	--	--	--	--	60'
12"	20'	20'	40'	60'	40'	100'
TEE						
CROSS						
12x12x12 12x12x8 12x12x6 12x12x12						
RUN	20'	20'	20'	20'	20'	
BRANCH	80'	80'	60'	20'	20'	

NOTE: LOCATION OF EXISTING UTILITIES SHOWN ON
THIS PLAN SET WERE OBTAINED FROM DESIGN
SURVEY INFORMATION AND AS-BUILT DRAWING
PROVIDED BY THE NEW MEXICO STATE FAIR.
OTHER AND/OR ADDITIONAL UTILITIES MAY EXIST
IN THE WORK AREAS. IT SHALL BE THE
RESPONSIBILITY OF THE CONTRACTOR TO FIELD
LOCATE ALL EXISTING UTILITIES PRIOR TO
CONSTRUCTION. ANY DAMAGE TO EXISTING
UTILITIES DURING CONSTRUCTION SHALL BE
REPAIRED OR REPLACED BY THE CONTRACTOR
AT NO ADDITIONAL COST TO THE OWNER.
CONTRACTOR SHOULD CONTACT THE NEW MEXICO
STATE FAIR AT 265-1791 PRIOR TO CONSTRUCTION
FOR AID IN LOCATING EXISTING UTILITIES.

1 1/2" ASPHALT CONCRETE
PAVEMENT, CITY OF ALBUQUERQUE,
TYPE 'B' MIX 1800 LB. STABILITY
(2 LIFTS)

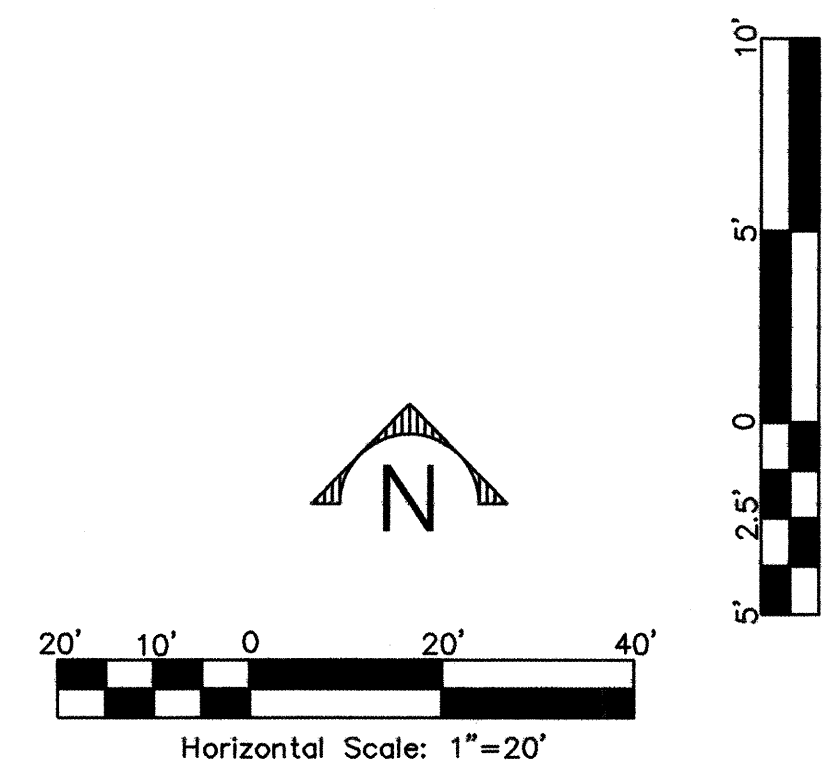


12" SUBGRADE PREPARATION
AT 95% MODIFIED PROCTOR

ASPHALT PAVEMENT SECTION

NOT TO SCALE

NOTE: CONTRACTOR TO REPLACE ASPHALT
PAVEMENT PER THE DETAIL ON THIS SHEET



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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: NEW MEXICO STATE FAIR 12" PUBLIC FIRELINE
FIRELINE P & P: HERITAGE AVENUE: STA. 19+10 TO 22+71.82

DESIGN APPROVAL MAR 15 1999 DESIGN REVIEW COMMITTEE	City Engineer Approval	Last Design Update	No. / Day / Yr.	No. / Day / Yr.

City Project No. 6048.81 Zone Map No. K-18-Z Sheet 6 of 10

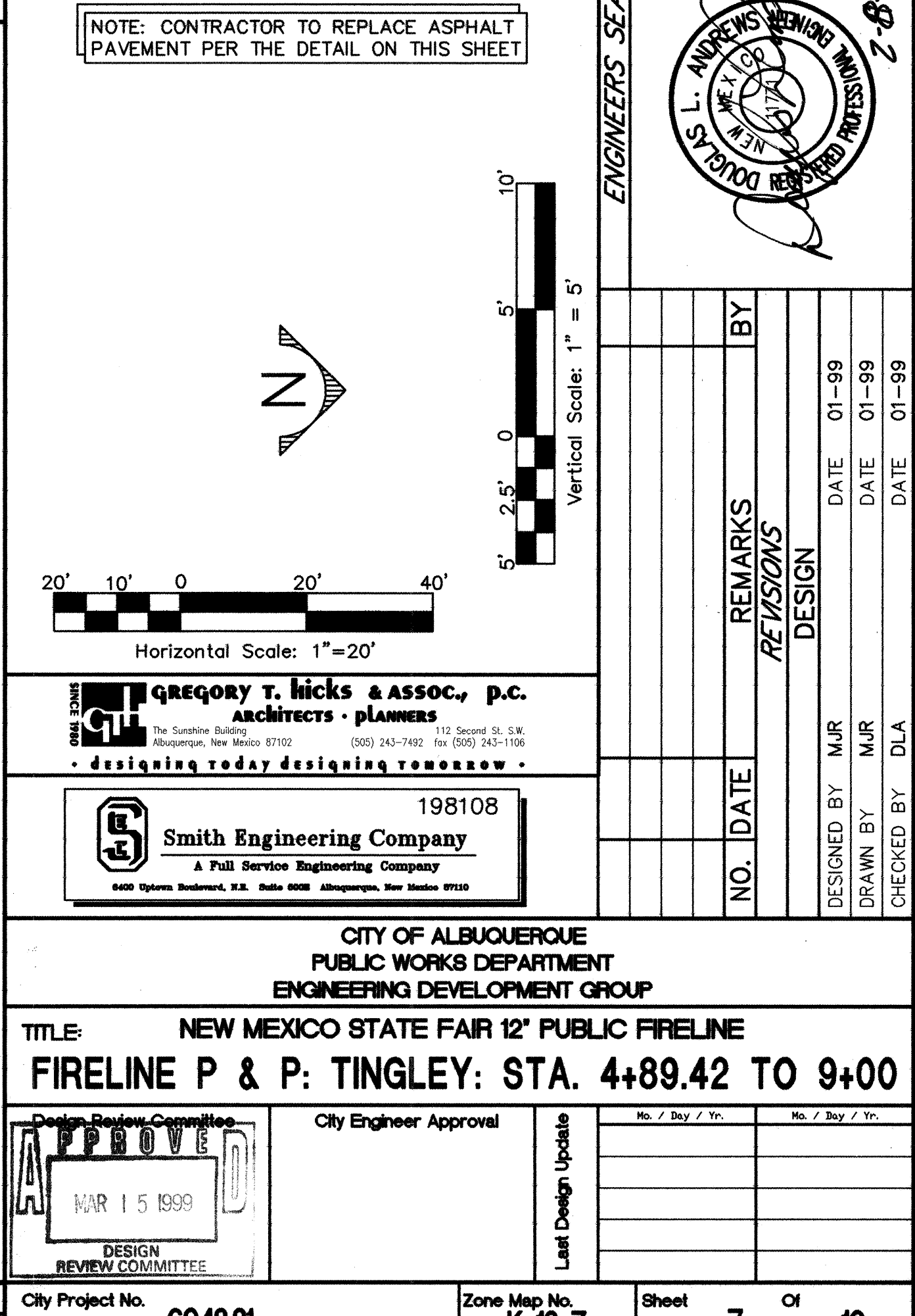
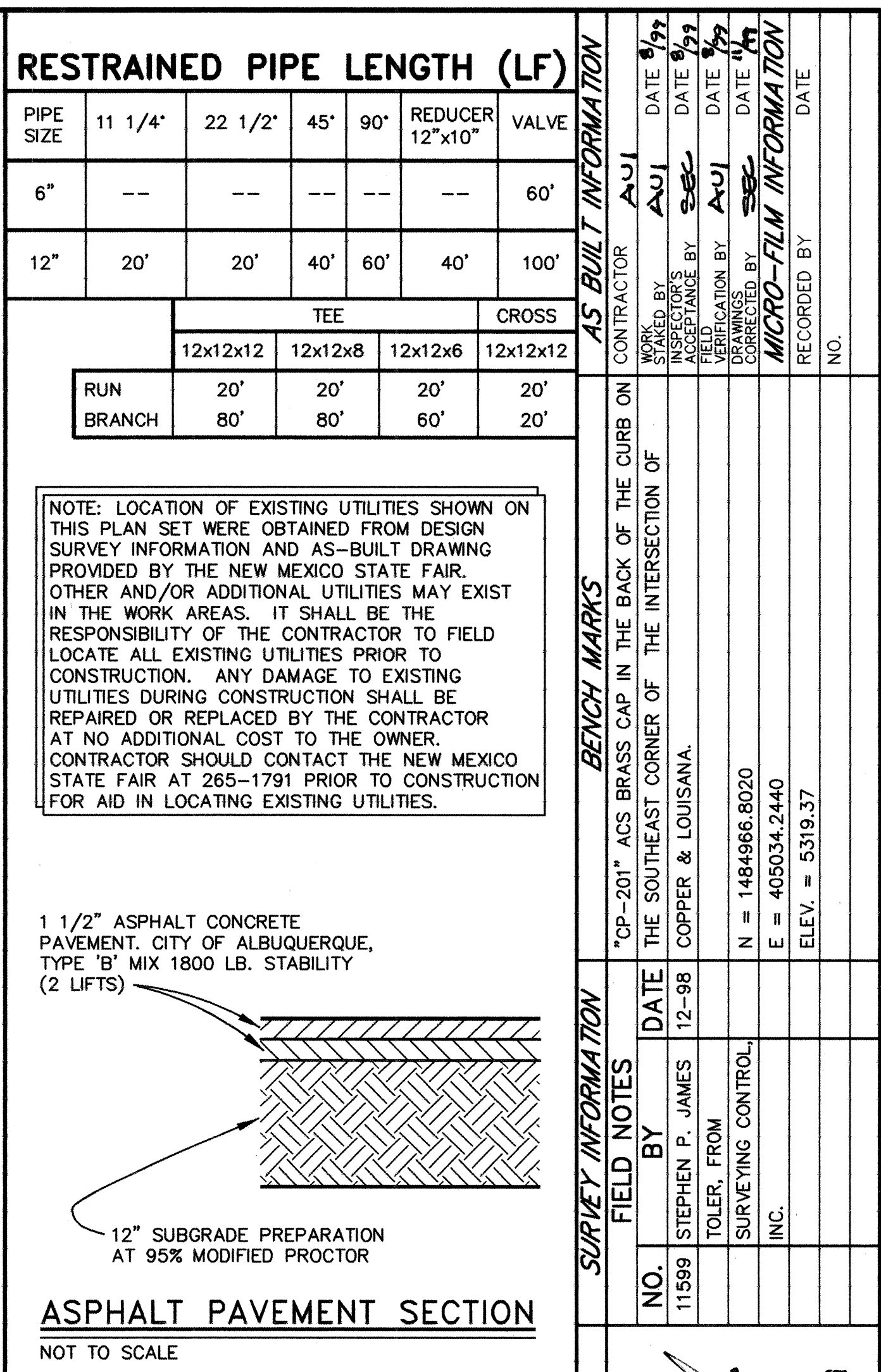
AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEERS SEAL	
CONTRACTOR	DATE	INSPECTOR	DATE	NO.	BY	NO.	BY
AU 1	8/99	SEC	8/99	11599	STEPHEN P. JAMES		
ACCEPTANCE BY	DATE	VERIFICATION BY	DATE		TOLER, FROM		
AU 1	8/99	SEC	8/99		SURVEYING CONTROL,		
DRAWINGS BY	DATE				INC.		
SEC	8/99						
MICRO-FILM INFORMATION	DATE						
RECORDED BY	DATE						
NO.							

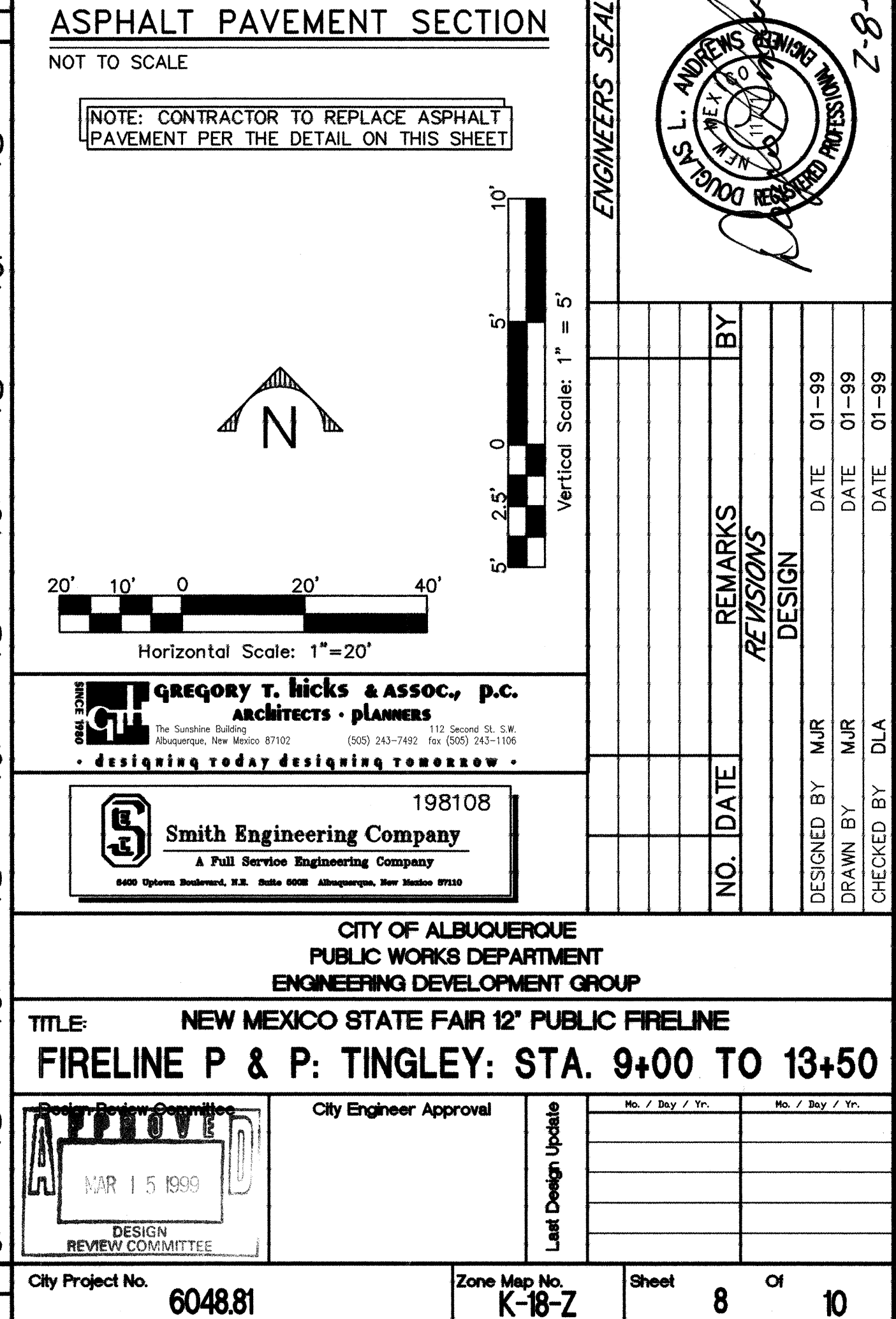
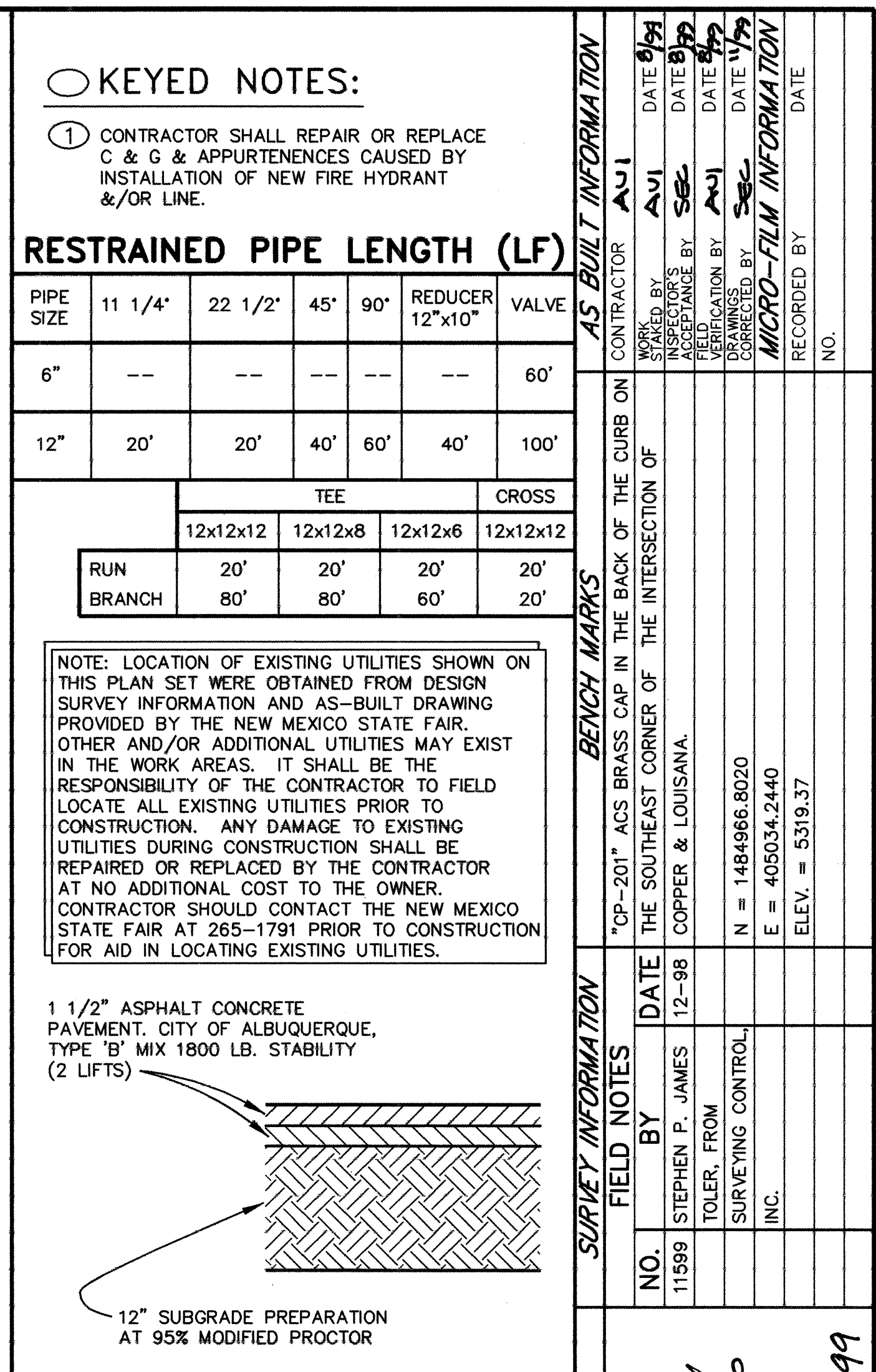
2-8-99

DOUGLAS L. ANDERSON
REGISTERED PROFESSIONAL ENGINEER
NEW MEXICO

REVISIONS

NO.	DATE	REMARKS
		DESIGN
	01-99	MUR
	01-99	MUR
	01-99	DLA





N:\198108\Option\08traf.dwg Non Feb 08 11:25:43 1999 Michael J. Riondan

SCANNED BY
MESA REPRO

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

- 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.
- 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.
- 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.
- CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24-HOUR PER DAY BASIS UNTIL COMPLETED.
- 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.
- 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.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.
- CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.
- 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.
- 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.
- 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.
- 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.

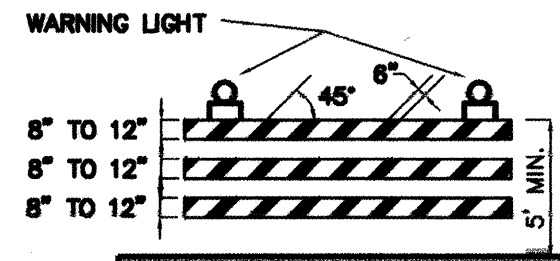
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

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

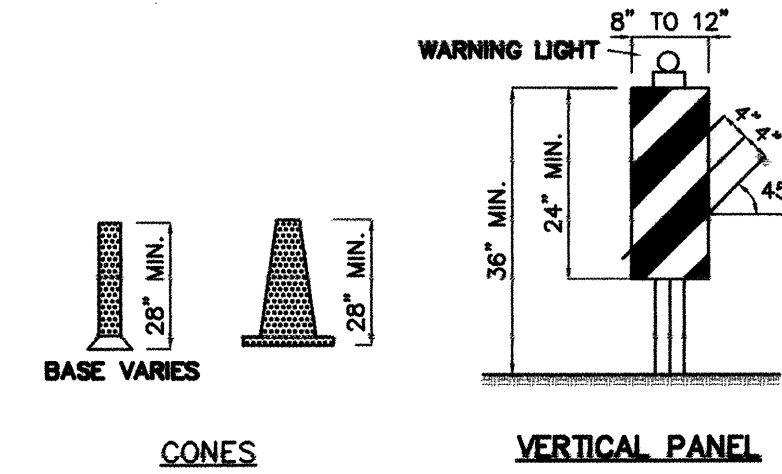
25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

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.

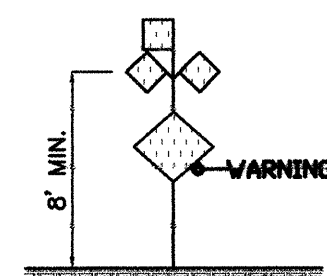


TYPE III BARRICADE

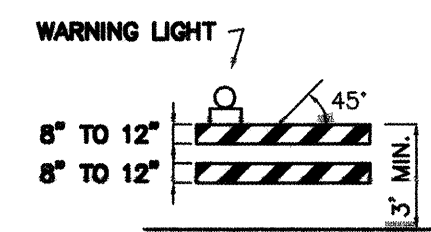


CONES

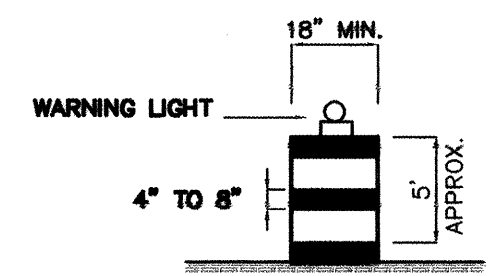
VERTICAL PANEL



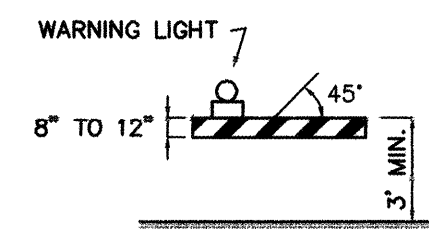
HIGH LEVEL WARNING DEVICE



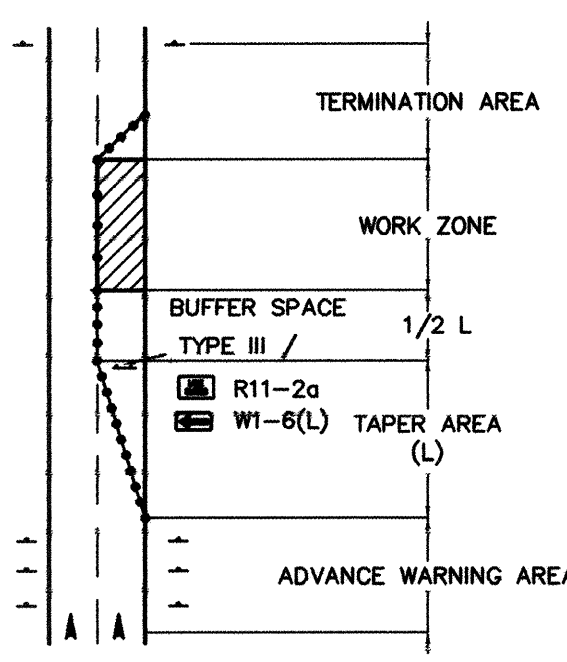
TYPE II BARRICADE COLLAPSIBLE



BARREL



TYPE I BARRICADE COLLAPSIBLE



TRAFFIC CONTROL ELEMENTS

LEGEND

- WORK AREA
- BARRICADE - TYPE I, TYPE II, OR BARREL
- BARRICADE - TYPE III
- VERTICAL PANEL
- WARNING SIGN
- DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
- FLAGMAN POSITION
- SPACING BETWEEN BARRICADES- A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET
- TAPER LENGTH - SEE CHART BELOW
- THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.

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	L =
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

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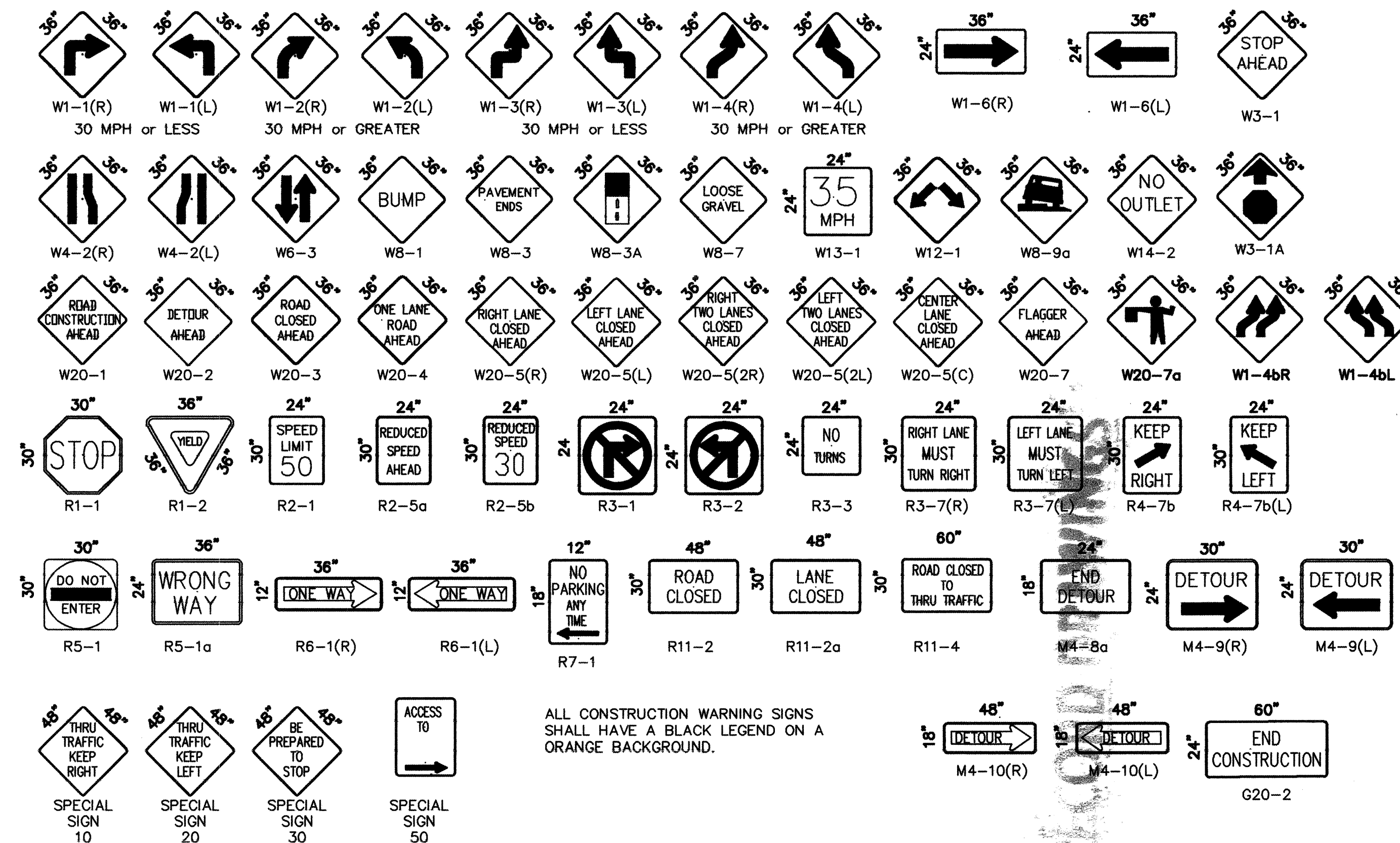
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **NEW MEXICO STATE FAIR 12' PUBLIC FRIELINE
SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS**

Design Review Committee APPROVE MAR 15 1999 DESIGN REVIEW COMMITTEE	City Engineer Approval	Last Design Update	No. / Day / Yr.	No. / Day / Yr.

City Project No. **6048.81** Zone Map No. **K-18-Z** Sheet **9** Of **10**

SIGN FACE DETAILS



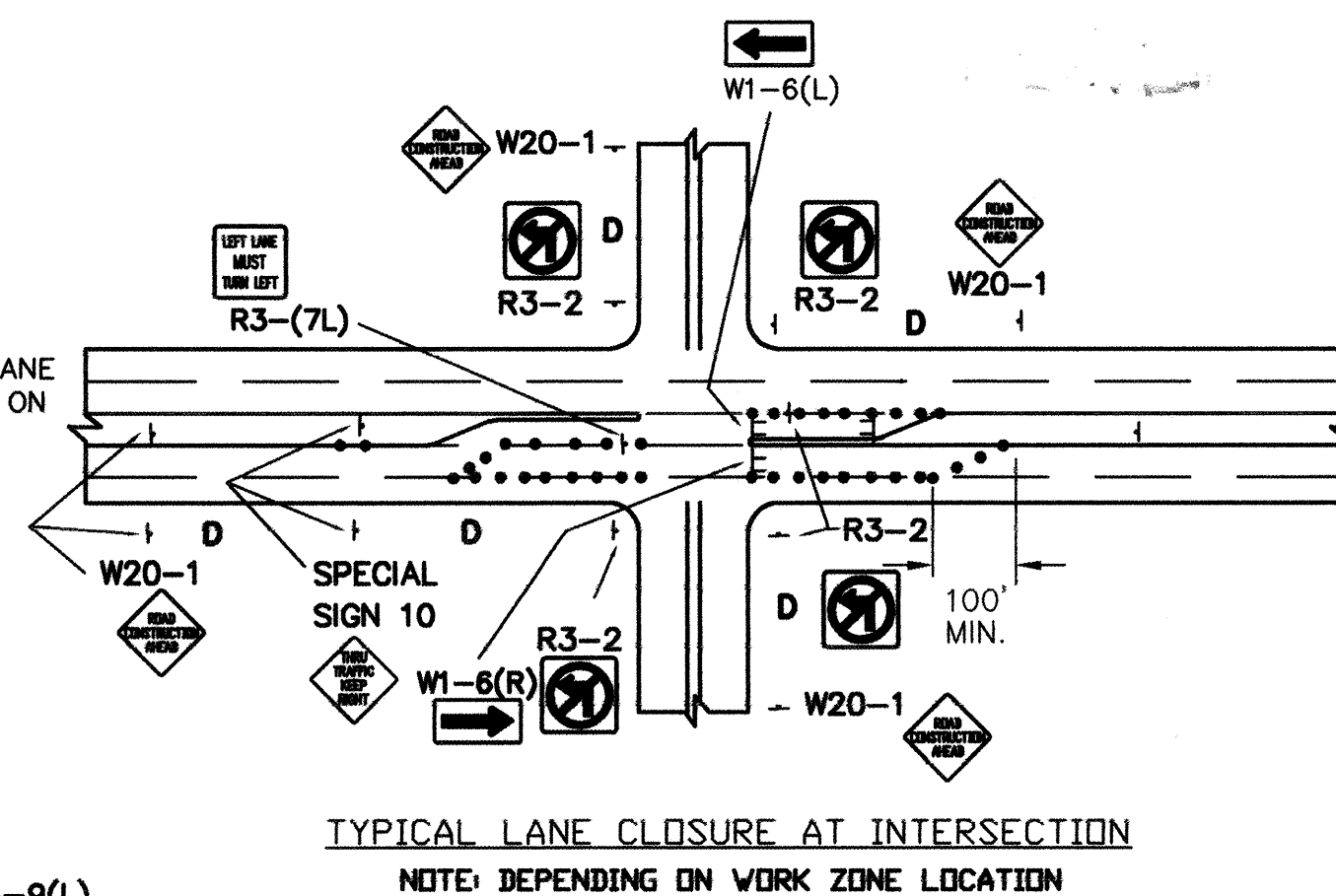
ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

RECORD DRAWINGS

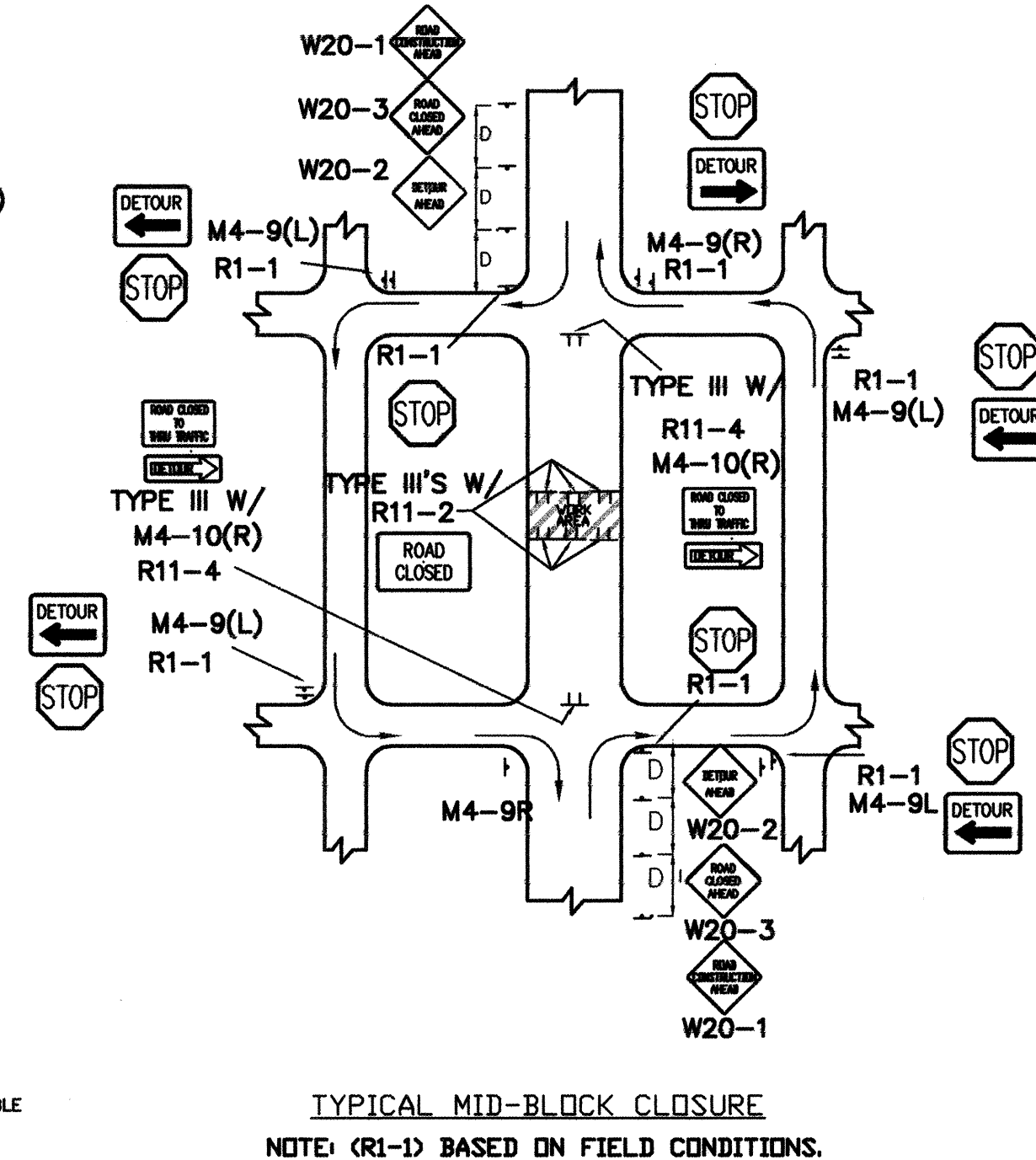


ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

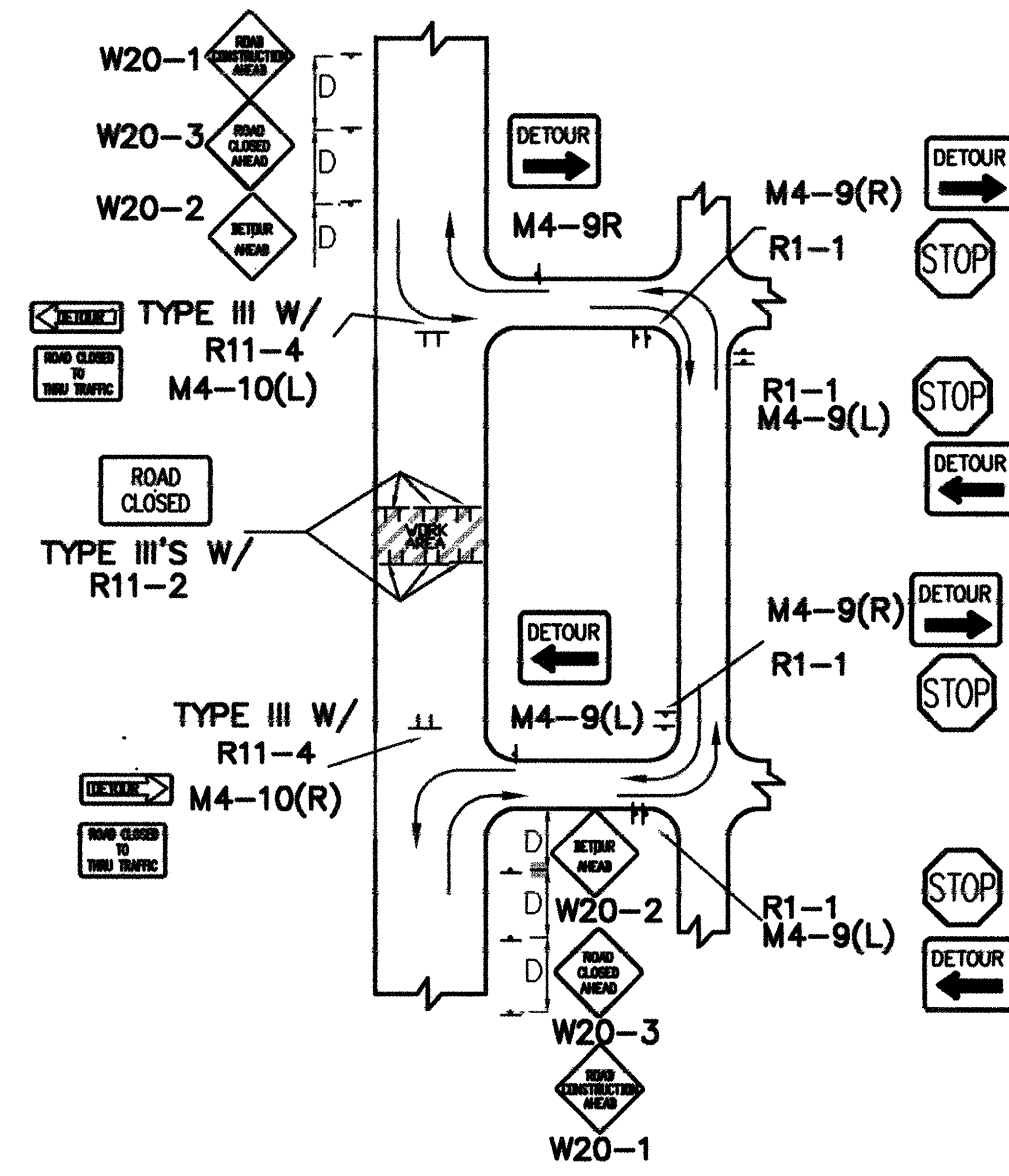
ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF FORTY EIGHT (48) INCHES BY FORTY EIGHT (48) INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.



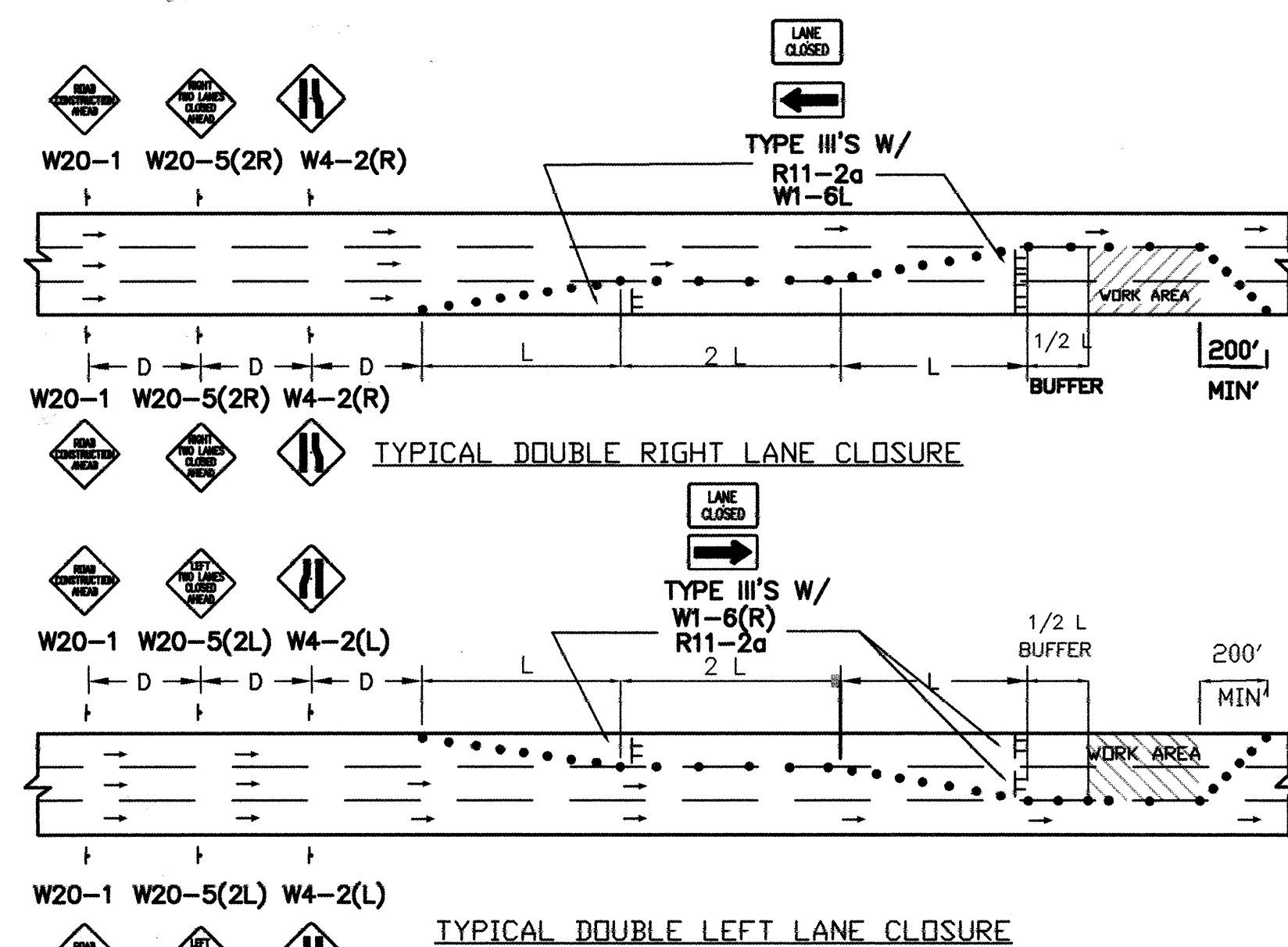
TYPICAL LANE CLOSURE AT INTERSECTION
NOTE: DEPENDING ON WORK ZONE LOCATION



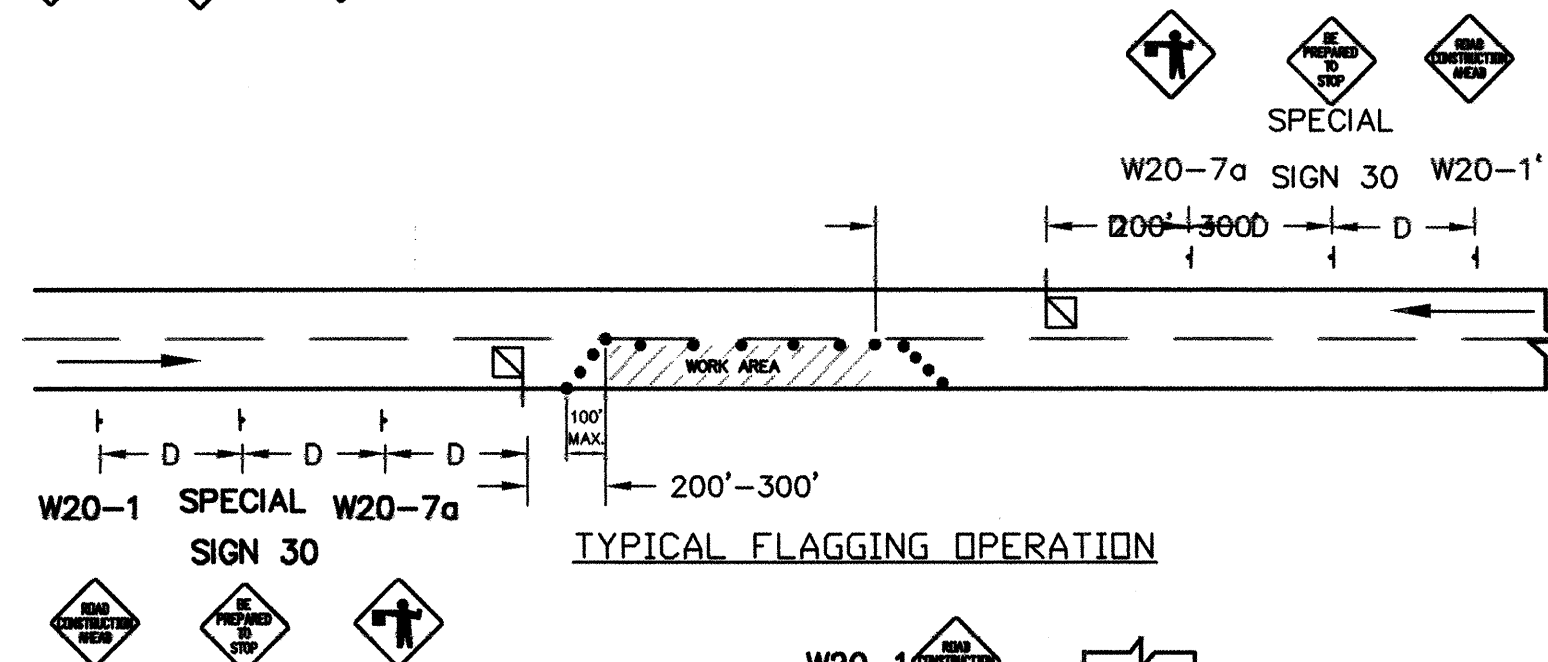
TYPICAL MID-BLOCK CLOSURE
NOTE: (R1-1) BASED ON FIELD CONDITIONS



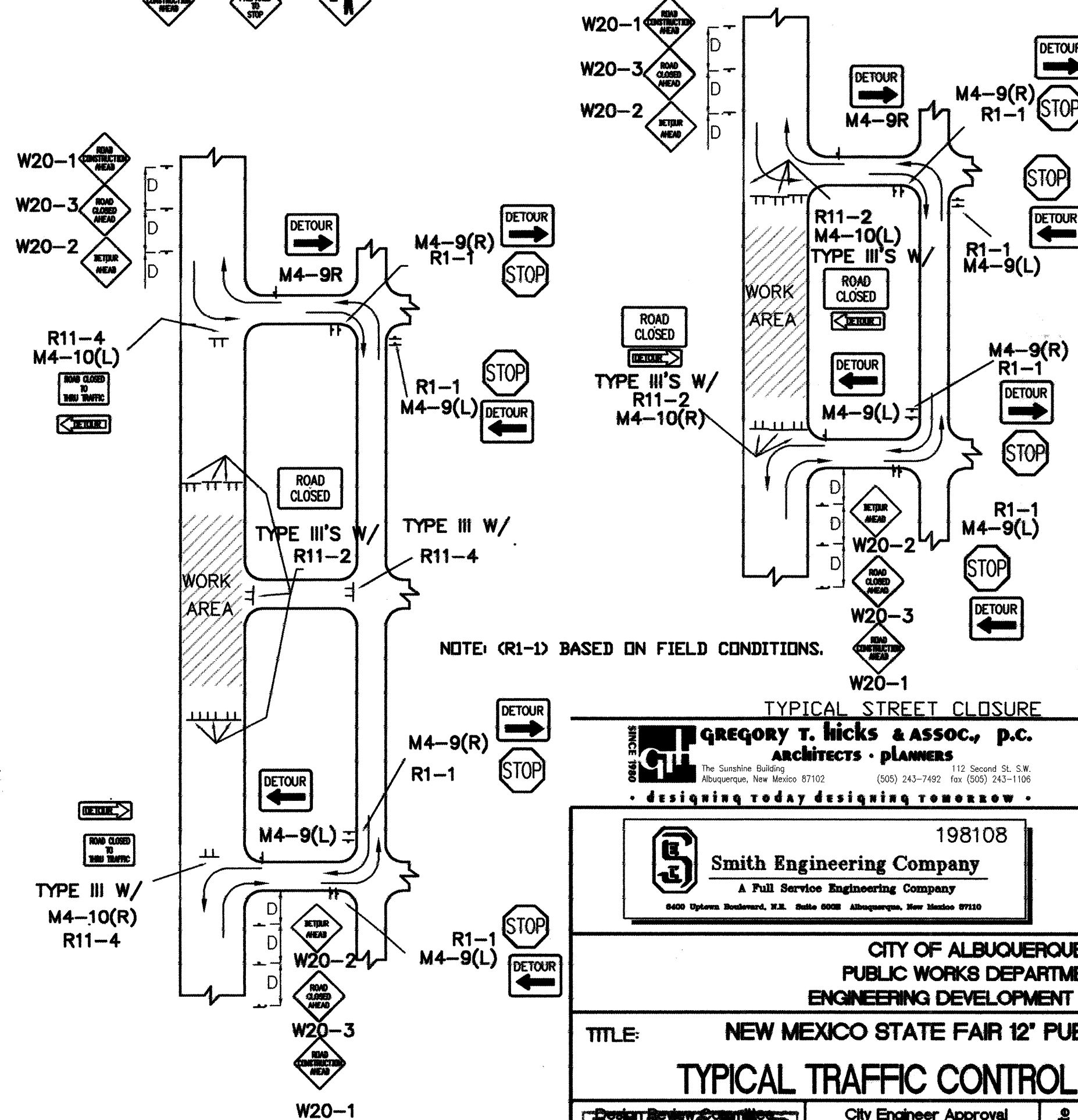
TYPICAL STREET CLOSURE
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



TYPICAL DOUBLE LEFT LANE CLOSURE



TYPICAL FLAGGING OPERATION



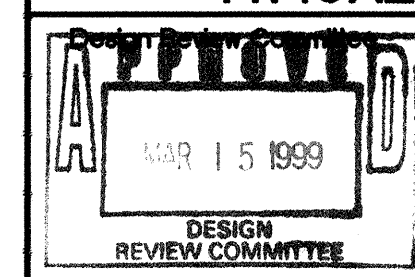
TYPICAL STREET CLOSURE

GREGORY T. HICKS & ASSOC., P.C.
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 Albuquerque, New Mexico 87102 (505) 243-7492 fax (505) 243-1106
 • DESIGNING TODAY DESIGNING TOMORROW •

198108
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**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP**

TITLE: NEW MEXICO STATE FAIR 12' PUBLIC FIRELINE
TYPICAL TRAFFIC CONTROL AND SIGNING



City Engineer Approval

City Project No. **6048.81**

Zone Map No. K-18-Z	Sheet 10	Of 10
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ENGINEERS SEAL  2-9-99 DATE 01-99 DRAWN BY MUR CHECKED BY MUR									
NO. DATE REMARKS BY DESIGNED BY MUR DATE 01-99 DRAWN BY MUR DATE 01-99 CHECKED BY MUR DATE 01-99									
ENGINEERS SEAL SURVEY INFORMATION BENCH MARKS AS BUILT INFORMATION									
CP-201 AS BRASS CAP IN THE BACK OF THE CURB ON THE SOUTHEAST CORNER OF THE INTERSECTION OF COPPER & LOUISIANA									
CONTRACTOR AUI									
STARTED BY AUI DATE 8/99									
INSPECTOR'S FIELD RANGE BY SBC DATE 9/99									
VERIFICATION BY AUI DATE 8/99									
DRAWN BY SBC DATE 1/99									
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E = 405034.2440									
ELEV = 5319.37									
RECORDED BY DATE									
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FIELD NOTES									
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11599 STEPHEN P. JAMES 12-98									
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