

Village of Los Ranchos
de Albuquerque
CO-OP PAVING PROJECT FY 94-95
NMSHTD PROJECT NO. SP-3-95(947)
AND
WATERLINE / FIRE HYDRANT IMPROVEMENTS
CITY OF ALBUQUERQUE PROJECT NO. 5148.90

GENERAL NOTES

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR IN THE SPECIAL PROVISIONS OR THE TECHNICAL SPECIFICATIONS OF THE CONTRACT, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NEW MEXICO STATE HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 1984 EDITION (REFERRED TO HEREIN AS THE STANDARD SPECIFICATIONS). ALL WORK PERTAINING TO WATERLINES AND FIRE HYDRANTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 1986 EDITION AS AMENDED THROUGH UPDATE No. 5 TECHNICAL SPECIFICATIONS ONLY.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT ONE CALL SYSTEM, INC., 260-1990, FOR LOCATION OF EXISTING UTILITIES. CONTRACTOR SHALL COORDINATE ALL UTILITY WORK INCLUDING CUT OFF OF EXISTING UTILITIES FOR NEW CONNECTIONS (FIRE PROTECTION, DOMESTIC WATER, SEWER, STORM DRAIN, GAS PIPING, ETC.) WITH ENGINEER, OWNER, AND LOCAL UTILITY REPRESENTATIVES.
- THESE DRAWINGS REFLECT INFORMATION ON UTILITIES GATHERED BY SITE INSPECTION, DISCUSSIONS WITH MUNICIPAL OFFICIALS, AND PREVIOUS CONSTRUCTION DRAWINGS. IT IS POSSIBLE THAT THE EXACT LOCATION OF LINES AND UTILITY CONNECTION POINTS IN THE VICINITY OF THE REQUIRED WORK MAY BE DIFFERENT FROM THE LOCATION SHOWN ON THESE DRAWINGS. 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, SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- ALL GAS, ELECTRIC, TELEPHONE LINES, CABLES, AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION SHALL BE RELOCATED BY THE RESPECTIVE UTILITY. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY INSTALLATIONS, RELOCATIONS, AND REMOVALS.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT AND MAINTAIN IN SERVICE ALL EXISTING UTILITIES.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE CONTRACTOR'S RESPONSIBILITY.
- DISPOSAL OF ALL WASTE MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL WASTE MATERIAL SHALL BE DISPOSED OF AT AN APPROVED LANDFILL IN ACCORDANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS.
- THE CONTRACTOR SHALL EXERCISE REASONABLE CARE DURING CONSTRUCTION TO PREVENT THE MOVEMENT OF SEDIMENT FROM THE SITE INTO EXISTING STREETS. LOOSE SOIL STOCKPILES DURING CONSTRUCTION ACTIVITIES SHALL BE PROMPTLY CLEANED UP OR PROTECTED FROM BEING CARRIED DOWNSTREAM BY FLOWING WATER.
- THE CONTRACTOR WILL BE REQUIRED TO CONFINED HIS WORK WITHIN THE CONSTRUCTION LIMITS AND/OR PUBLIC RIGHT-OF-WAY TO PRESERVE EXISTING VEGETATION AND PRIVATE PROPERTY. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE RIGHT-OF-WAY UNLESS THE EQUIPMENT OR MATERIAL IS PROPERLY SHIELDED UTILIZING CURRENT SAFETY DESIGN AND INSTALLATION METHODS. THE SAFETY DESIGN FOR THIS SHIELDING SHALL BE PROVIDED BY THE CONTRACTOR AND MUST BE APPROVED BY THE ENGINEER BEFORE IMPLEMENTING. THERE WILL BE NO DIRECT MEASUREMENT OR PAYMENT FOR THE DESIGN, MATERIALS, INSTALLATION, AND REMOVAL OF THE SAFETY BARRIER.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO LOCAL BUSINESS AND RESIDENCES AT ALL TIMES.
- WHEN ABUTTING NEW PAVEMENT TO EXISTING, SAWCUT EXISTING PAVEMENT TO A STRAIGHT EDGE AND AT A RIGHT ANGLE, OR AS APPROVED BY THE PROJECT ENGINEER. TO REMOVE ANY BROKEN OR CRACKED PAVEMENT. A TACK COAT SHALL BE APPLIED TO THE EDGE OF ALL SAWCUT PAVEMENT PRIOR TO INSTALLATION OF ADJOINING ASPHALT PAVEMENT.
- THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, ARE INTENDED FOR USE ON THIS PROJECT AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF EASTERLING & ASSOCIATES, INC. IN THE EVENT OF UNAUTHORIZED USE, THE USER ASSUMES ALL RESPONSIBILITY AND LIABILITY WHICH RESULTS.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE ENGINEER. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OR ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED.
- THE CONTRACTOR SHALL COORDINATE THE INSTALLATION, MAINTENANCE, AND REMOVAL ALL CONSTRUCTION SIGNS, BARRICADES, WARNING LIGHTS, FLAG PERSONS, AND OTHER CONSTRUCTION TRAFFIC CONTROL MEASURES NECESSARY TO GUIDE THE PUBLIC SAFELY THROUGH THE CONSTRUCTION ZONES IN CONFORMANCE WITH THE NEW MEXICO MANUAL AND SPECIFICATIONS FOR A UNIFORM SYSTEM OF TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, LATEST EDITION, AND WITH APPLICABLE REGULATIONS ADOPTED BY THE VILLAGE OF LOS RANCHOS DE ALBUQUERQUE.
- THE CONTRACTOR SHALL ADJUST VALVE BOXES AND MHS AS REQUIRED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD DRAWINGS. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THIS CONTRACT.
- THE CONTRACTOR SHALL REMOVE AND REINSTALL EXISTING SIGNS AS REQUIRED TO COMPLETE THE WORK. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THIS CONTRACT.
- A MINIMUM OF THREE (3) WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A DETAILED CONSTRUCTION SCHEDULE AND A CONSTRUCTION SIGNING AND BARRICADE PLAN TO VILLAGE PUBLIC WORKS.
- THE CONTRACTOR SHALL ENSURE THAT WORK IN OR NEAR ANY STREET OR HIGHWAY RIGHT-OF-WAY DOES NOT COMPROMISE VEHICULAR AND PEDESTRIAN SAFETY OR INTERFERE WITH TRAFFIC FLOW.
- ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- BACKFILL, COMPACTION AND PAVING SHALL BE ACCORDING TO C.O.A. STD. DWG. 2465.
- TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE FIELD ENGINEER.

RECORD DRAWING - WATERLINE / FIRE HYDRANT COA PROJECT 5148.90

I, CHARLES M. EASTERLING, HEREBY CERTIFY THAT THESE DRAWINGS HAVE BEEN REVISED TO REFLECT THE CONSTRUCTION AS ACTUALLY ACCOMPLISHED.

Charles M. Easterling
CHARLES M. EASTERLING
N.M.P.E. No. 6411
6-29-98
DATE

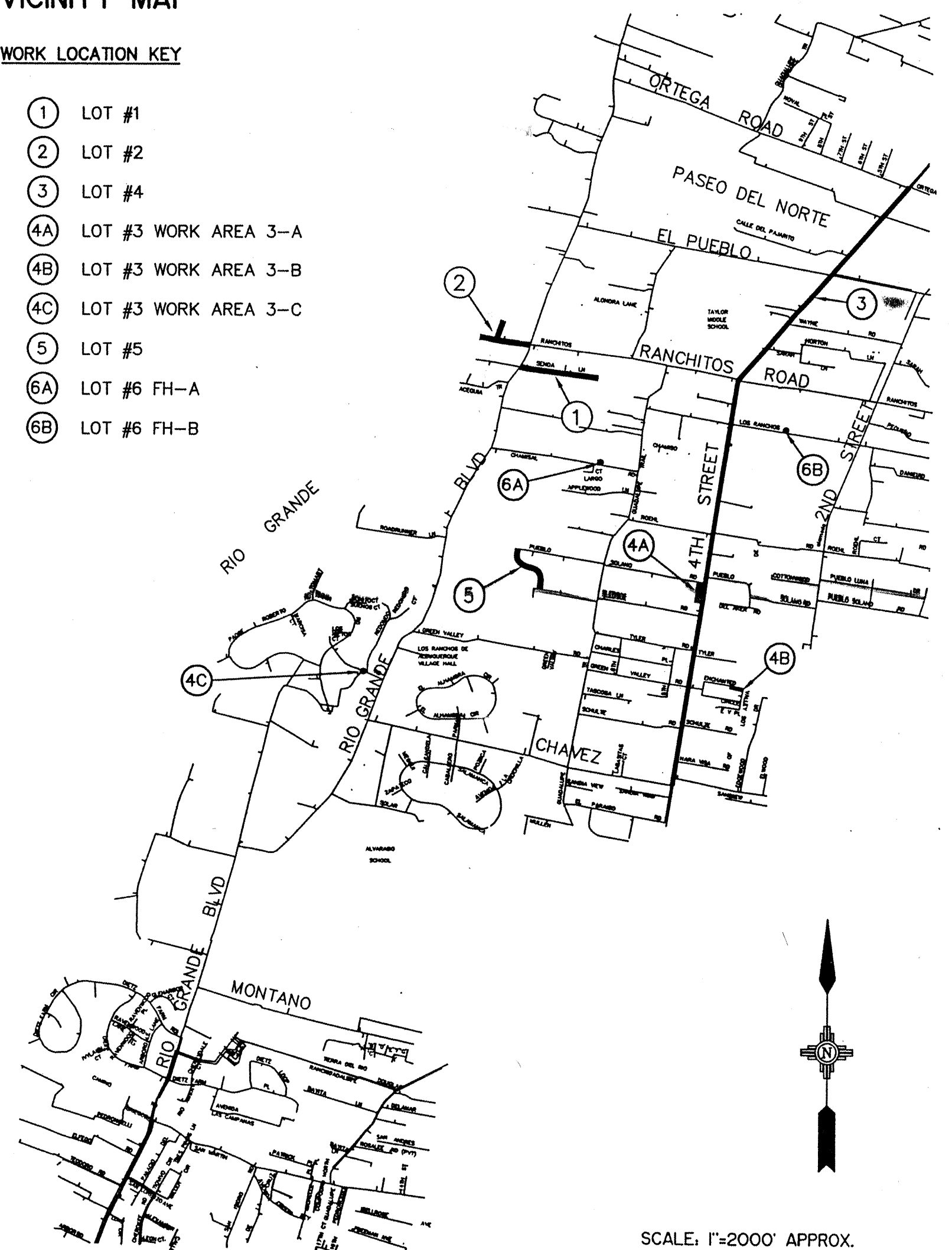
ABBREVIATIONS

AC - ASBESTOS CEMENT	DD - DEFLECT DOWN	FO - FIBER OPTIC CABLE	PRC - POINT OF REVERSE CURVATURE	SAS - SANITARY SEWER	WM - WATER METER
ARV - AIR/VACUUM RELEASE VALVE	DIP - DUCTILE IRON PIPE	G - GAS	PRV - PRESSURE RELIEF VALVE	SD - STORM DRAIN	
B - BASELINE	DU - DEFLECT UP	HP - HIGH PRESSURE	PT - POINT OF TANGENCY	TC - TOP OF CURB	
BCT - BEGIN CROWN TRANSITION	E - EXISTING	I - INSTALL	PUE - PUBLIC UTILITY EASEMENT	T - TELEPHONE	
C - CONSTRUCT	ECT - END CROWN TRANSITION	LP - LIGHT POLE	R/REL - REMOVE & RELOCATE	TL - TRAFFIC LIGHT	
CAV - COMBINATION AIR VALVE	ELEV - ELEVATION	MH - MANHOLE	R/RPLC - REMOVE & REPLACE	TP - TOP OF PIPE	
CCP - CONCRETE CYLINDER PIPE	F-F - FACE TO FACE	NMUU - NEW MEXICO UTILITIES, INC.	PVC - POLY VINYL CHLORIDE	UE - UNDERGROUND ELECTRIC	
CI - CAST IRON	F-F - FEET/FOOT	PC - POINT OF CURVATURE	R - REMOVE	VCP - VITRIFIED CLAY PIPE	
CL - CENTERLINE	FH - FIRE HYDRANT	PCC - POINT OF COMPOUND CURVATURE	REL - RELOCATE	VER - VERIFY LOCATION	
COA - CITY OF ALBUQUERQUE	FL - FLOW LINE	POC - POINT ON CURVE	ROW - RIGHT-OF-WAY	W OR WL - WATERLINE	
		PP - POWER POLE		X - CROSSING	

VICINITY MAP

WORK LOCATION KEY

- LOT #1
- LOT #2
- LOT #4
- LOT #3 WORK AREA 3-A
- LOT #3 WORK AREA 3-B
- LOT #3 WORK AREA 3-C
- LOT #5
- LOT #6 FH-A
- LOT #6 FH-B

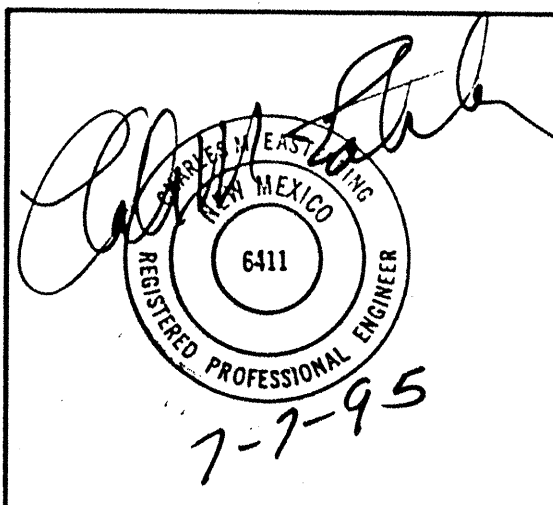


SCALE: 1"=2000' APPROX.

SHEET INDEX

1	TITLE SHEET
2	VICINITY MAP & SUMMARY OF QUANTITIES
3	LOT #1, LOT #2 & LOT #3
4	LOT #4
5 - 6	LOT #5 AND LOT #6

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
APPROVAL OF REVISIONS							

 7-7-95			EASTERLING & ASSOCIATES, INC. CONSULTING ENGINEERS 10131 Coors Rd., NW, Suite H-718 ALBUQUERQUE, NEW MEXICO 87114 (505) 898-8021 FAX (505) 898-8501			APPROVED FOR CONSTRUCTION	
DESIGNED BY: DSH			CHECKED BY: DSH/CME			CITY PROJECT NUMBER	
DRAWN BY: DSH			DATE: 5/95			SHEET 1 OF 6	
			5148.90				

Village of Los Ranchos
de Albuquerque
CO-OP PAVING PROJECT FY 94-95
NMSHTD PROJECT NO. SP-3-95(947)
AND
WATERLINE / FIRE HYDRANT IMPROVEMENTS
CITY OF ALBUQUERQUE PROJECT NO. 5148.90

GENERAL NOTES

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR IN THE SPECIAL PROVISIONS OR THE TECHNICAL SPECIFICATIONS OF THE CONTRACT, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NEW MEXICO STATE HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 1984 EDITION (REFERRED TO HEREIN AS THE STANDARD SPECIFICATIONS). ALL WORK PERTAINING TO WATERLINES AND FIRE HYDRANTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 1986 EDITION AS AMENDED THROUGH UPDATE No. 5 TECHNICAL SPECIFICATIONS ONLY.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT ONE CALL SYSTEM, INC., 260-1990, FOR LOCATION OF EXISTING UTILITIES. CONTRACTOR SHALL COORDINATE ALL UTILITY WORK INCLUDING CUT OFF OF EXISTING UTILITIES FOR NEW CONNECTIONS (FIRE PROTECTION, DOMESTIC WATER, SEWER, STORM DRAIN, GAS PIPING, ETC.) WITH ENGINEER, OWNER, AND LOCAL UTILITY REPRESENTATIVES.
- THESE DRAWINGS REFLECT INFORMATION ON UTILITIES GATHERED BY SITE INSPECTION, DISCUSSIONS WITH MUNICIPAL OFFICIALS, AND PREVIOUS CONSTRUCTION DRAWINGS. IT IS POSSIBLE THAT THE EXACT LOCATION OF LINES AND UTILITY CONNECTION POINTS IN THE VICINITY OF THE REQUIRED WORK MAY BE DIFFERENT FROM THE LOCATION SHOWN ON THESE DRAWINGS. 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, SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- ALL GAS, ELECTRIC, TELEPHONE LINES, CABLES, AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION SHALL BE RELOCATED BY THE RESPECTIVE UTILITY. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY INSTALLATIONS, RELOCATIONS, AND REMOVALS.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT AND MAINTAIN IN SERVICE ALL EXISTING UTILITIES.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE CONTRACTOR'S RESPONSIBILITY.
- DISPOSAL OF ALL WASTE MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL WASTE MATERIAL SHALL BE DISPOSED OF AT AN APPROVED LANDFILL IN ACCORDANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS.
- THE CONTRACTOR SHALL EXERCISE REASONABLE CARE DURING CONSTRUCTION TO PREVENT THE MOVEMENT OF SEDIMENT FROM THE SITE INTO EXISTING STREETS. LOOSE SOIL STOCKPILES DURING CONSTRUCTION ACTIVITIES SHALL BE PROMPTLY CLEANED UP OR PROTECTED FROM BEING CARRIED DOWNSTREAM BY FLOWING WATER.
- THE CONTRACTOR WILL BE REQUIRED TO CONFINE HIS WORK WITHIN THE CONSTRUCTION LIMITS AND/OR PUBLIC RIGHT-OF-WAY TO PRESERVE EXISTING VEGETATION AND PRIVATE PROPERTY. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE RIGHT-OF-WAY UNLESS THE EQUIPMENT OR MATERIAL IS PROPERLY SHIELDED UTILIZING CURRENT SAFETY DESIGN AND INSTALLATION METHODS. THE SAFETY DESIGN FOR THIS SHIELDING SHALL BE PROVIDED BY THE CONTRACTOR AND MUST BE APPROVED BY THE ENGINEER BEFORE IMPLEMENTING. THERE WILL BE NO DIRECT MEASUREMENT OR PAYMENT FOR THE DESIGN, MATERIALS, INSTALLATION, AND REMOVAL OF THE SAFETY BARRIER.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO LOCAL BUSINESS AND RESIDENCES AT ALL TIMES.
- WHEN ABUTTING NEW PAVEMENT TO EXISTING, SAWCUT EXISTING PAVEMENT TO A STRAIGHT EDGE AND AT A RIGHT ANGLE, OR AS APPROVED BY THE PROJECT ENGINEER, TO REMOVE ANY BROKEN OR CRACKED PAVEMENT. A TACK COAT SHALL BE APPLIED TO THE EDGE OF ALL SAWCUT PAVEMENT PRIOR TO INSTALLATION OF ADJOINING ASPHALT PAVEMENT.
- THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, ARE INTENDED FOR USE ON THIS PROJECT AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF EASTERLING & ASSOCIATES, INC. IN THE EVENT OF UNAUTHORIZED USE, THE USER ASSUMES ALL RESPONSIBILITY AND LIABILITY WHICH RESULTS.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE ENGINEER. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OR ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED.
- THE CONTRACTOR SHALL COORDINATE THE INSTALLATION, MAINTENANCE, AND REMOVAL ALL CONSTRUCTION SIGNS, BARRICADES, WARNING LIGHTS, FLAG PERSONS, AND OTHER CONSTRUCTION TRAFFIC CONTROL MEASURES NECESSARY TO GUIDE THE PUBLIC SAFELY THROUGH THE CONSTRUCTION ZONES IN CONFORMANCE WITH THE NEW MEXICO MANUAL AND SPECIFICATIONS FOR A UNIFORM SYSTEM OF TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, LATEST EDITION, AND WITH APPLICABLE REGULATIONS ADOPTED BY THE VILLAGE OF LOS RANCHOS DE ALBUQUERQUE.
- THE CONTRACTOR SHALL ADJUST VALVE BOXES AND MHS AS REQUIRED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD DRAWINGS. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THIS CONTRACT.
- THE CONTRACTOR SHALL REMOVE AND REINSTALL EXISTING SIGNS AS REQUIRED TO COMPLETE THE WORK. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THIS CONTRACT.
- A MINIMUM OF THREE (3) WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A DETAILED CONSTRUCTION SCHEDULE AND A CONSTRUCTION SIGNING AND BARRICADE PLAN TO VILLAGE PUBLIC WORKS.
- THE CONTRACTOR SHALL ENSURE THAT WORK IN OR NEAR ANY STREET OR HIGHWAY RIGHT-OF-WAY DOES NOT COMPROMISE VEHICULAR AND PEDESTRIAN SAFETY OR INTERFERE WITH TRAFFIC FLOW.
- ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- BACKFILL, COMPACTION AND PAVING SHALL BE ACCORDING TO C.O.A. STD. DWG. 2465.
- TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE FIELD ENGINEER.

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
Reto Chang
DATE 4-27-99

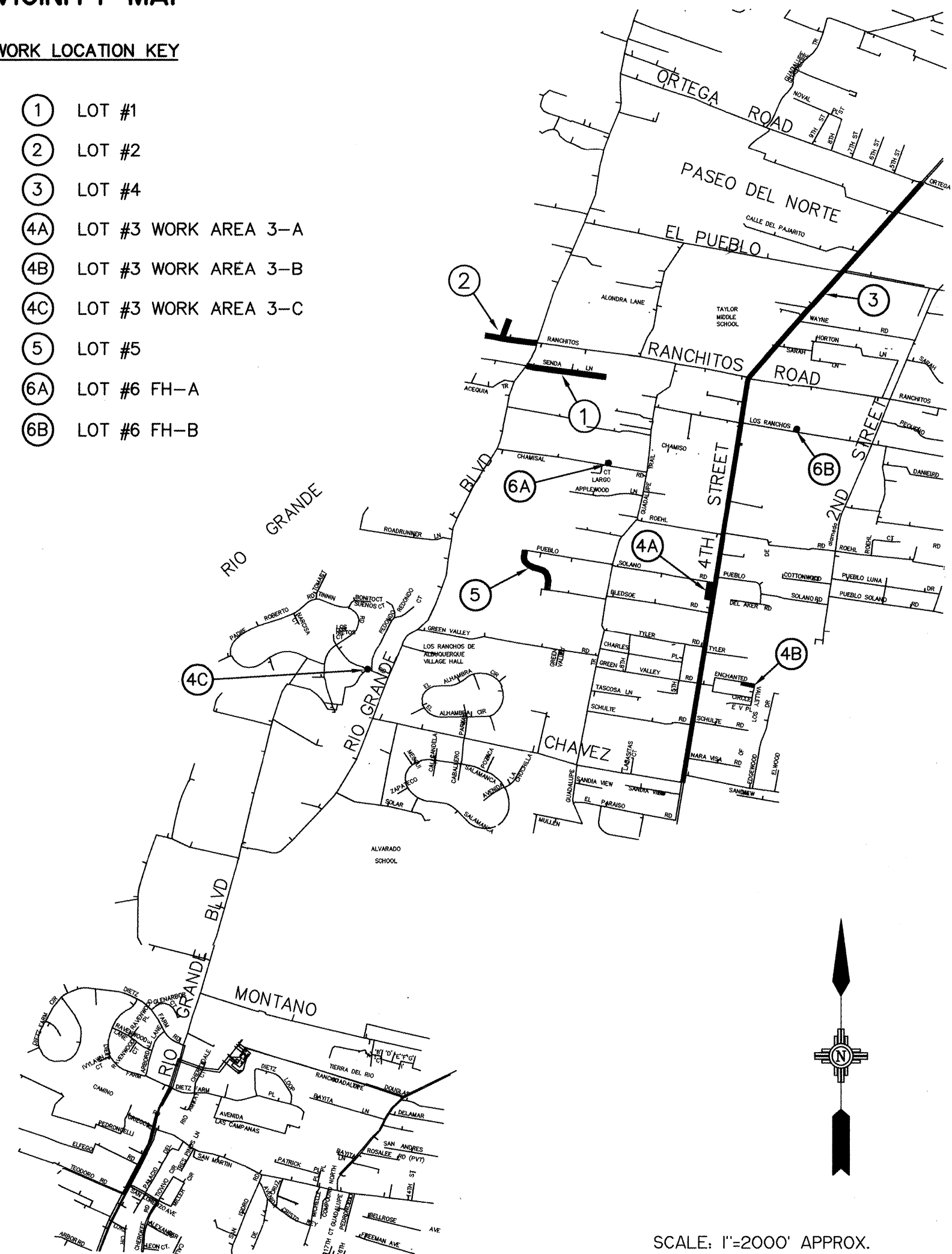
ABBREVIATIONS

AC - ASBESTOS CEMENT	DD - DEFLECT DOWN	FO - FIBER OPTIC CABLE	PRC - POINT OF REVERSE CURVATURE	SAS - SANITARY SEWER	WM - WATER METER
ARV - AIR/VACUUM RELEASE VALVE	DIP - DUCTILE IRON PIPE	G - GAS	PRV - PRESSURE RELIEF VALVE	SD - STORM DRAIN	
B - BASELINE	DU - DEFLECT UP	HP - HIGH PRESSURE	PT - POINT OF TANGENCY	TC - TOP OF CURB	
BCT - BEGIN CROWN TRANSITION	E - EXISTING	I - INSTALL	PUE - PUBLIC UTILITY EASEMENT	T - TELEPHONE	
C - CONSTRUCT	ECT - END CROWN TRANSITION	LP - LIGHT POLE	R/REL - REMOVE & RELOCATE	TL - TRAFFIC LIGHT	
CAV - COMBINATION AIR VALVE	ELEV - ELEVATION	MH - MANHOLE	R/RPLC - REMOVE & REPLACE	TP - TOP OF PIPE	
CCP - CONCRETE CYLINDER PIPE	F-F - FACE TO FACE	NMUI - NEW MEXICO UTILITIES, INC.	PVC - POLY VINYL CHLORIDE	UE - UNDERGROUND ELECTRIC	
CI - CAST IRON	F-F - FEET/FOOT	PC - POINT OF CURVATURE	R - REMOVE	VCP - VITRIFIED CLAY PIPE	
CL - CENTERLINE	FH - FIRE HYDRANT	PCC - POINT OF COMPOUND CURVATURE	REL - RELOCATE	VER - VERIFY LOCATION	
COA - CITY OF ALBUQUERQUE	FL - FLOW LINE	POC - POINT ON CURVE	ROW - RIGHT-OF-WAY	W OR WL - WATERLINE	
		PP - POWER POLE		X - CROSSING	

VICINITY MAP

WORK LOCATION KEY

- ① LOT #1
- ② LOT #2
- ③ LOT #4
- ④A LOT #3 WORK AREA 3-A
- ④B LOT #3 WORK AREA 3-B
- ④C LOT #3 WORK AREA 3-C
- ⑤ LOT #5
- ⑥A LOT #6 FH-A
- ⑥B LOT #6 FH-B

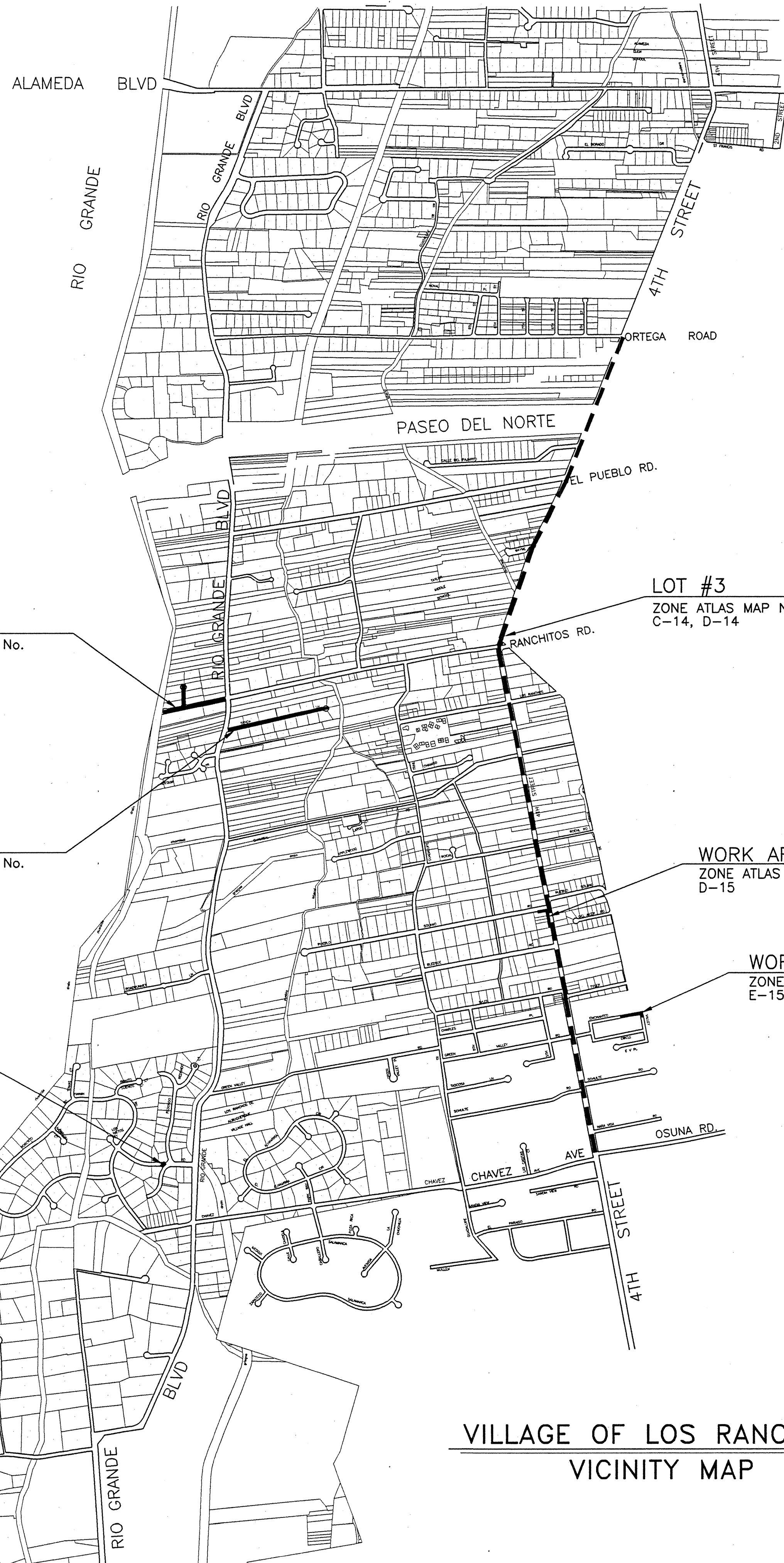
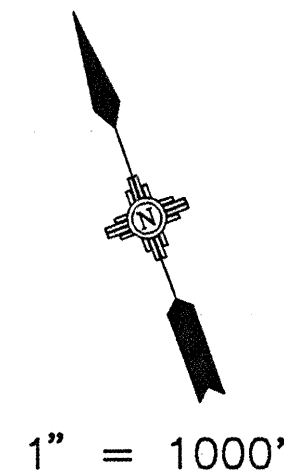


SHEET INDEX

1	TITLE SHEET
2	VICINITY MAP & SUMMARY OF QUANTITIES
3	LOT #1, LOT #2 & LOT #3
4	LOT #4
5 - 6	LOT #5 AND LOT #6

REV.	SHEET'S	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
APPROVAL OF REVISIONS							

	EASTERLING & ASSOCIATES, INC. CONSULTING ENGINEERS 10131 Coors Rd., NW, Suite H-718 ALBUQUERQUE, NEW MEXICO 87114 (505) 898-8021 FAX (505) 898-8501		APPROVED FOR CONSTRUCTION <i>Reto Chang</i> CITY ENGINEER DATE 11/1/95
	DESIGNED BY: DSH	CHECKED BY: DSH/CME	CITY PROJECT NUMBER 5148.90
	DRAWN BY: DSH	DATE: 5/95	SHEET 1 OF 6

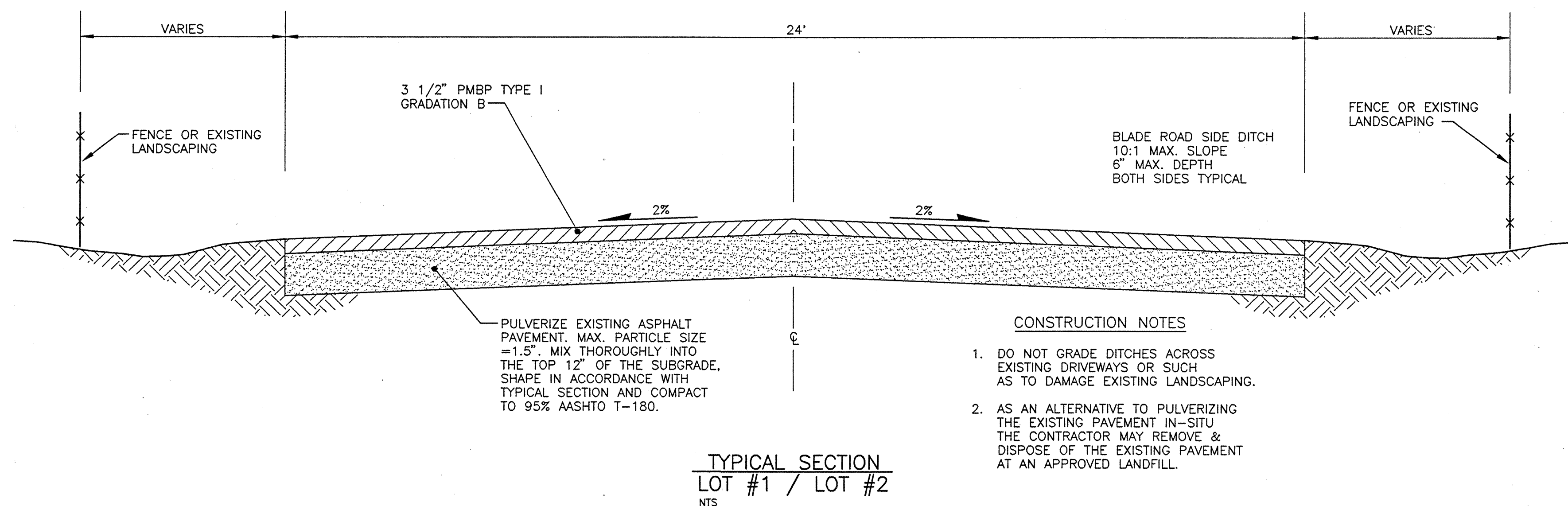


NMSHTD PROJECT NO. SP-3-95(947)
SUMMARY OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITIES	AS-BUILT QUANTITIES
LOT #1: LA SENDA LANE IMPROVEMENTS				
1-207	SUBGRADE PREPARATION	SY	3860	
1-213	OBLITERATE OLD PAVEMENT	SY	3860	
1-401	3-1/2" PMBP TYPE I GRADATION B	SY	3860	
LOT #2: RANCHITOS ROAD IMPROVEMENTS				
2-201	SUBGRADE PREPARATION	SY	2500	
2-213	OBLITERATE OLD PAVEMENT	SY	2500	
2-401	3-1/2" PMBP TYPE I GRADATION B	SY	2500	
LOT #3: 4TH STREET PAVEMENT MARKINGS				
3-704A	4" REFLECTORIZED PAINTED PAVEMENT MARKINGS	LF	50600	
3-704B	8" REFLECTORIZED PLASTIC PAVEMENT MARKINGS	LF	385	
3-704C	12" REFLECTORIZED PLASTIC PAVEMENT MARKINGS	LF	150	
3-704D	REFLECTORIZED RIGHT TURN ARROW	EA	1	
3-704E	REFLECTORIZED WORK "XING"	EA	8	
3-704E	REFLECTORIZED WORD "SCHOOL"	EA	4	
3-704E	REFLECTORIZED WORD "SLOW"	EA	8	
LOT #4: WORK AREA 4A				
4A-203	UNCLASSIFIED EXCAVATION	CY	80	
4A-304	CRUSHED AGGREGATE BASE COURSE GRADATION I-B	CY	12.5	
4A-604A	FILTER CLOTH	SY	165	
4A-604B	6" DIA. CLEAN COBBLES	CY	7.5	
4A-604C	1-1/2" CLEAN GRAVEL	CY	55	
4A-604D	POLYDRAIN COMPLETE IN PLACE	EA	1	
4A-604E	6" PVC PIPE (SDR-35) STANDARD OR PERFORATED INCLUDING TRENCHING BACKFILL & COMPACTION	LF	200	
LOT #4: WORK AREA 4B				
4B-202	REMOVE & DISPOSE OF EXISTING PAVEMENT INCLUDING SAW CUT & EXCAVATION	SY	45	
4B-203	UNCLASSIFIED EXCAVATION	CY	125	
4B-207	12" SUBGRADE PREPARATION	SY	45	
4B-304	CRUSHED AGGREGATE BASE COURSE GRADATION I-B	CY	30	
4B-604A	FILTER CLOTH	SY	275	
4B-604B	6" DIA. CLEAN COBBLES	CY	7	
4B-604C	1-1/2" CLEAN GRAVEL	CY	85	
LOT #4: WORK AREA 4C				
4C-202A	REMOVE & DISPOSE OF EXISTING PAVEMENT INCLUDING SAW CUT AND 27" OF SUBGRADE EXCAVATION	SY	90	
4C-207	12" SUBGRADE PREPARATION	SY	90	
4C-304	CRUSHED AGGREGATE BASE COURSE GRADATION I-B	CY	60	
4C-401	3" PMBP TYPE I GRADATION B	SY	90	

VILLAGE OF LOS RANCHOS
VICINITY MAP

NO.	REVISIONS	BY	DATE
VILLAGE OF LOS RANCHOS DE ALBUQUERQUE NMSHTD PROJECT NO. SP-3-95 (947)			
VICINITY MAP AND SUMMARY OF QUANTITIES			
EASTERLING & ASSOCIATES, INC. CONSULTING ENGINEERS 10131 Coors Rd., NW, Suite H-718 ALBUQUERQUE, NEW MEXICO 87114 (505) 898-8021 FAX (505) 898-8501			
DESIGNED BY: DSH	DRAWN BY: JMM/DEC	CHECKED BY: DSH/CME	SHEET 2 OF 6
JOB NO. 3628	DATE 5/95		



LOT #1 : LA SENDA LANE IMPROVEMENTS
REFER TO SHEET 2 FOR LOCATION
AND SUMMARY OF QUANTITIES.

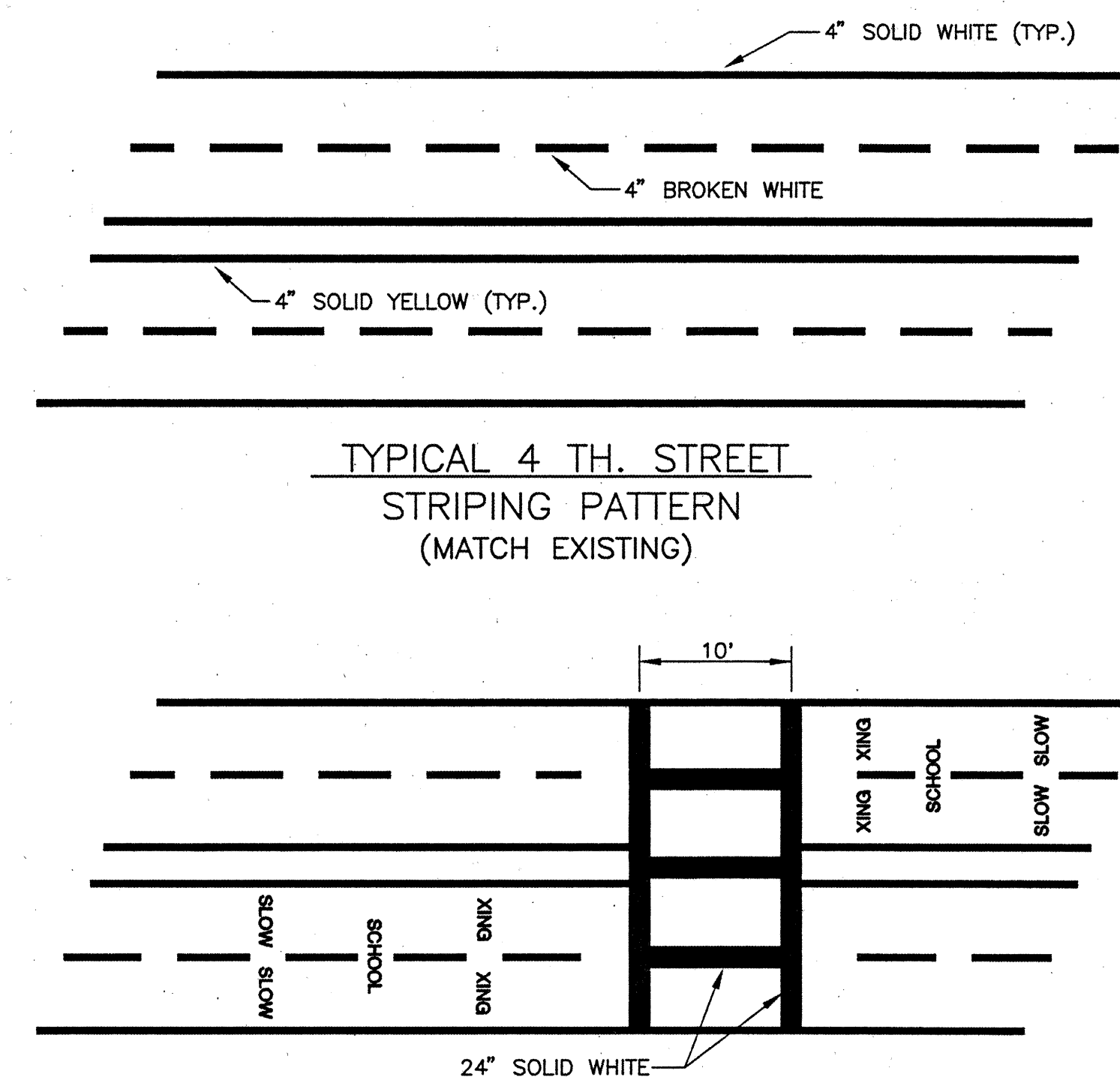
STREET IMPROVEMENT WORK INCLUDING:

1. RECONSTRUCT LA SENDA LANE IN ACCORDANCE WITH THE PLANS AND DETAILS SHOWN ON THIS SHEET.

LOT #2 : RANCHITOS ROAD IMPROVEMENTS
REFER TO SHEET 2 FOR LOCATION
AND SUMMARY OF QUANTITIES.

STREET IMPROVEMENT WORK INCLUDING:

1. RECONSTRUCT THE PORTION OF RANCHITOS ROAD WEST OF RIO GRANDE BLVD. INCLUDING BOSQUE COURT IN ACCORDANCE WITH PLAN AND DETAILS SHOWN ON THIS SHEET.



TYPICAL SCHOOL CROSSING
STRIPING PATTERN
(MATCH EXISTING)

LOT #3: 4TH STREET PAVEMENT MARKING

REFER TO SHEET 2 FOR LOCATION AND SUMMARY OF QUANTITIES.

STREET IMPROVEMENT WORK INCLUDING:

REFLECTORIZED PAINTED PAVEMENT MARKINGS IN ACCORDANCE WITH TYPICAL 4TH STREET STRIPING PATTERN FROM CHAVEZ TO ORTEGA ROAD.

REFLECTORIZED PLASTIC PAVEMENT MARKINGS (STOP BARS) ON 4TH STREET AT THE FOLLOWING INTERSECTIONS:

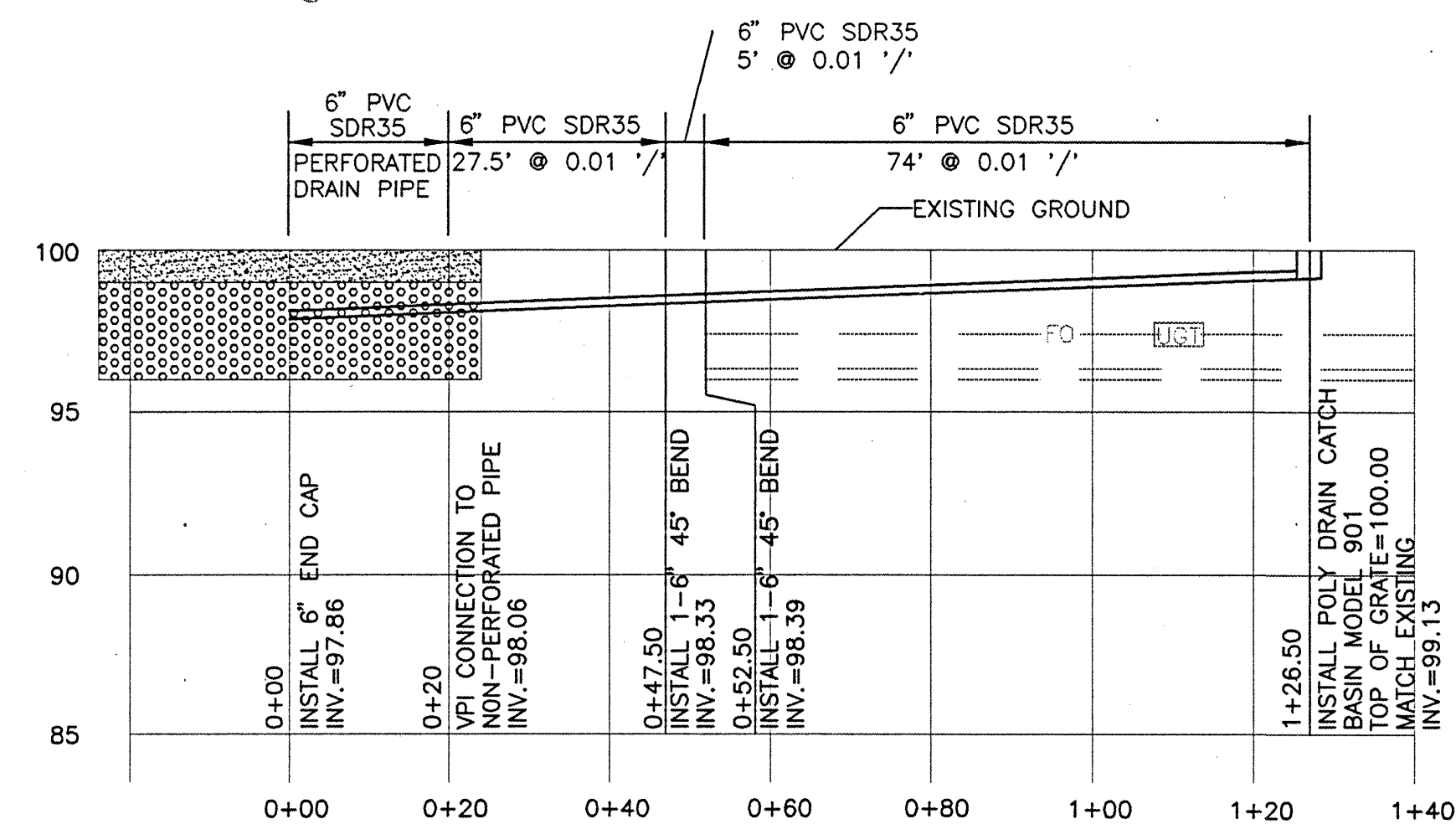
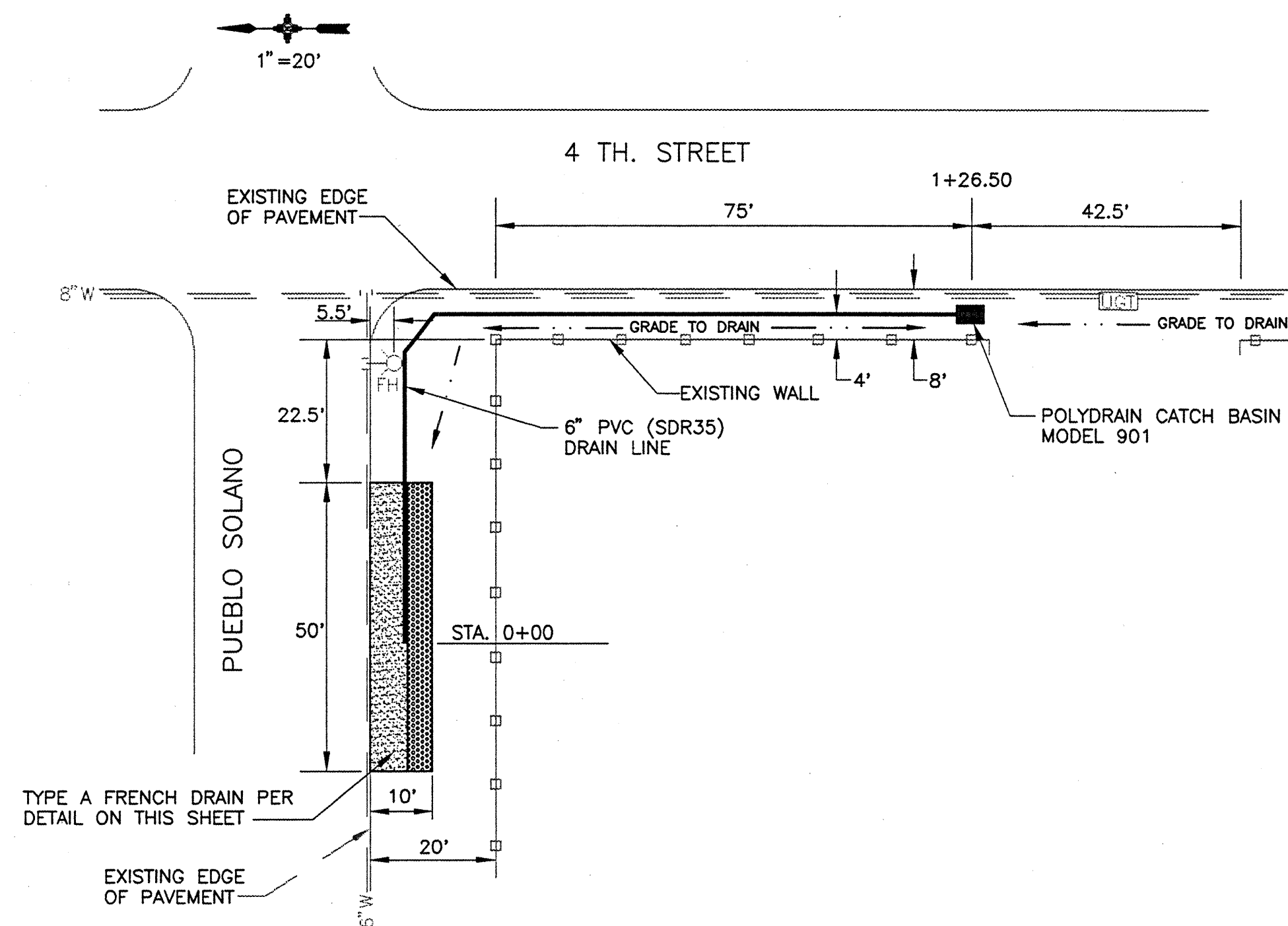
- CHAVEZ/OSUNA
- RANCHITOS
- EL PUEBLO

REFLECTORIZED PLASTIC PAVEMENT MARKING IN ACCORDANCE WITH THE TYPICAL SCHOOL CROSSING STRIPING PATTERN ON 4TH STREET AT SHULTE AND LOS RANCHOS ROAD.

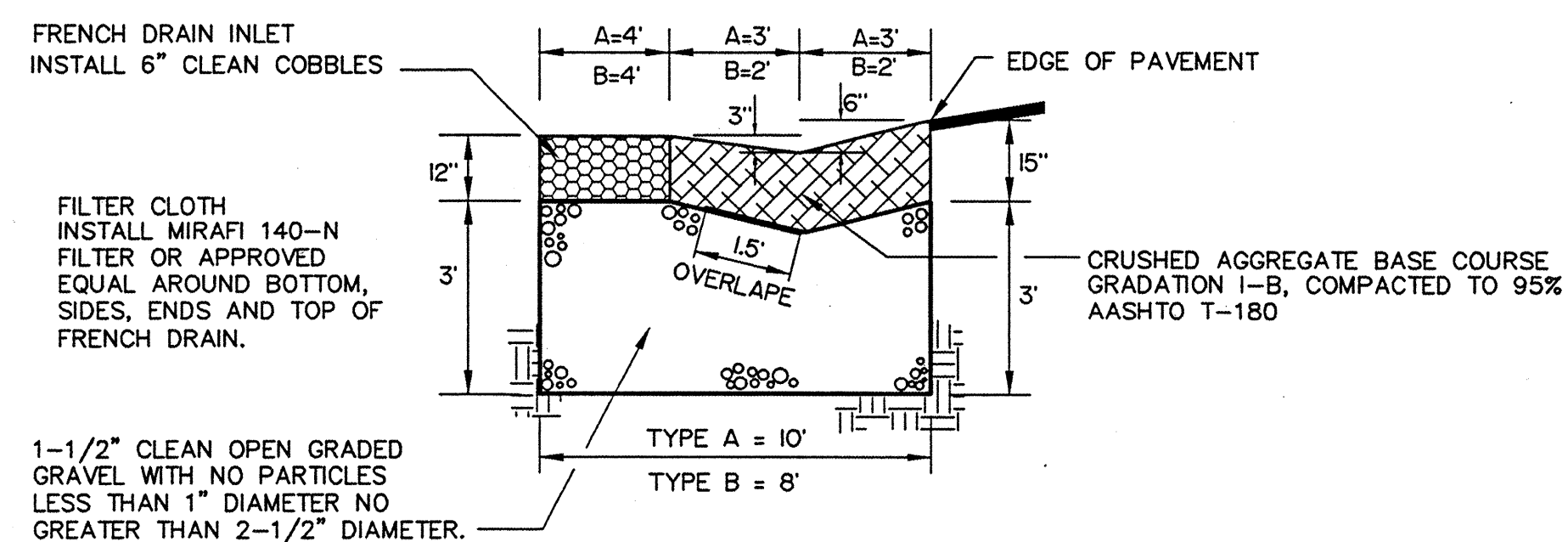
REFLECTORIZED PLASTIC PAVEMENT MARKINGS (CROSSWALK) ON 4TH STREET AT RANCHITOS ROAD NORTH SIDE OF INTERSECTION.

REFLECTORIZED PLASTIC PAVEMENT MARKINGS (RIGHT TURN ARROW) ON 4TH STREET NORTH BOUND TO EAST BOUND OSUNA.

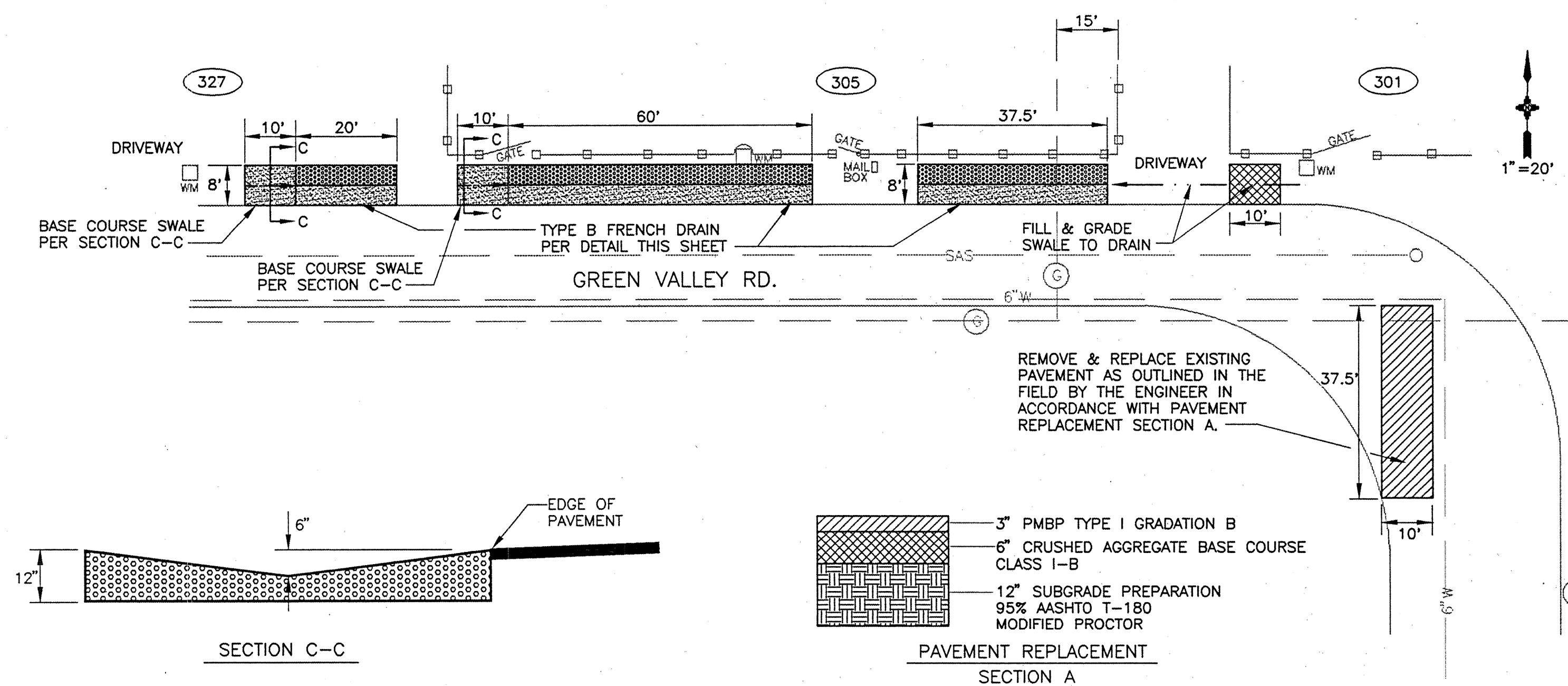
NO.	REVISIONS	BY	DATE
VILLAGE OF LOS RANCHOS DE ALBUQUERQUE NMSHTD PROJECT NO. SP-3-95 (947)			
LOT #1 LA SENDA LANE IMPROVEMENTS LOT #2 RANCHITOS ROAD IMPROVEMENTS LOT #3 4 TH. STREET PAVEMENT MARKINGS			
EASTERLING & ASSOCIATES, INC. CONSULTING ENGINEERS 10131 Coors Rd., NW, Suite H-7/8 ALBUQUERQUE, NEW MEXICO 87114 (505) 898-8021 FAX (505) 898-8501			
DESIGNED BY: DSH	DRAWN BY: DEC	CHECKED BY: DSH/CME	SHEET 3 OF 6
JOB NO.: 3628	DATE: 6/95		



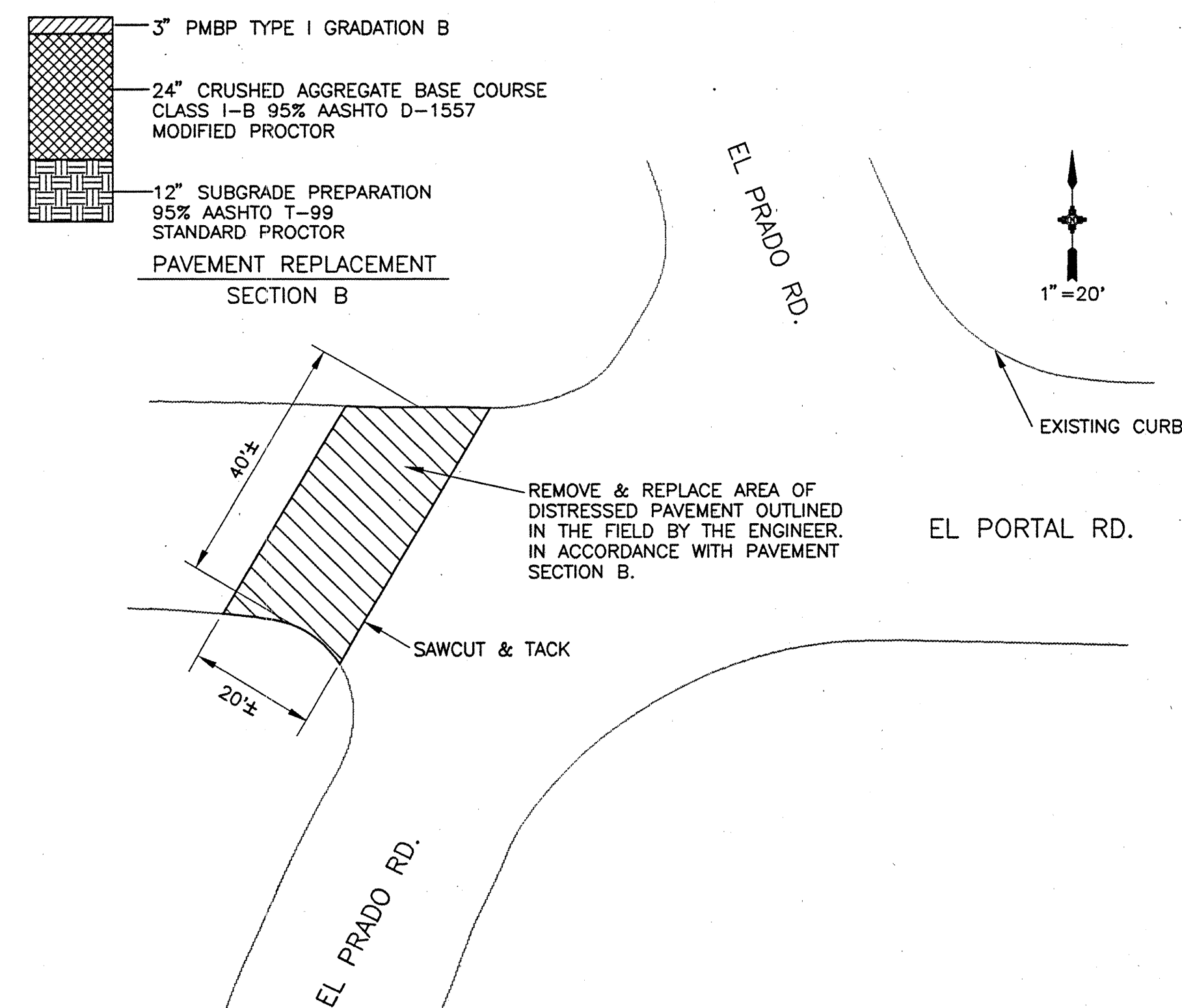
LOT #4 : WORK AREA 4-A
REFER TO SHEET 2 FOR LOCATION AND SUMMARY OF QUANTITIES



FRENCH DRAIN DETAIL
N.T.S.



LOT #4 : WORK AREA 4-B
REFER TO SHEET 2 FOR LOCATION AND SUMMARY OF QUANTITIES



LOT #4 : WORK AREA 4-C
REFER TO SHEET 2 FOR LOCATION AND SUMMARY OF QUANTITIES

NO.	REVISIONS	BY	DATE
VILLAGE OF LOS RANCHOS DE ALBUQUERQUE NMSHTD PROJECT NO. SP-3-95 (947)			
LOT #4 MISCELLANEOUS IMPROVEMENTS			
EASTERLING & ASSOCIATES, INC. CONSULTING ENGINEERS 10131 Coors Rd., NW, Suite H-7/8 ALBUQUERQUE, NEW MEXICO 87114 (505) 898-8021 FAX (505) 898-8501			
DESIGNED BY: DSH	DRAWN BY: DEC	CHECKED BY: DSH/CME	SHEET 4
JOB NO. 3628	DATE 6/95	OF	6



1. CONSTRUCTION STATIONING IS ALONG CENTERLINE OF 6" WATERLINE.
2. CONTRACTOR SHALL RETURN EXISTING GRAVEL ROAD TO CONDITIONS PRIOR TO CONSTRUCTION.

1. WATERLINE TRENCHING AND BACKFILL SHALL BE IN ACCORDANCE WITH COA STD. DETAIL 2315.
2. TEES SHALL BE INSERTED PER COA STD. DWG. 2301.
3. VALVE BOXES SHALL BE INSTALLED PER COA STD DETAIL 2326.
4. WATER VALVE ANCHORAGE SHALL BE INSTALLED PER COA. STD. DETAIL 2333.
5. FIRE HYDRANTS SHALL BE INSTALLED PER COA STD DETAIL 2340.
6. INSTALL 3/4" SINGLE WATER SERVICE PER COA STD. DETAIL 2362.
7. PAVEMENT REPLACEMENT DUE TO UTILITY CONSTRUCTION SHALL BE PER COA STD. DETAIL 2465.

<u>FITTING</u>		<u>LENGTH</u>
6"	90° BEND	20'
6"	45° BEND	8'
6"	22 1/2° BEND	4'
6"	11 1/4° BEND	2'
6"	TEE	10' AT RUN
		3' AT REACH
6"	GV / HYD.	55'

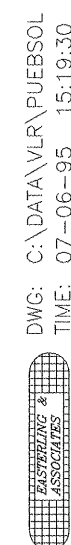
	WALL OR HEAD WALL
	WIRE FENCE
	PIPE FENCE
	WOOD FENCE
	CHAIN LINK FENCE
	TREE
	WATER WELL
	WATER SPIGOT
	FIRE HYDRANT
	WATER METER
	SPRINKLER CONTROL VALVE
	UTILITY CONDUIT
	OVERHEAD ELECTRIC LINE
	POWER POLE
	ANCHOR
	LOT LIGHT
	MAILBOX
	CABLE T.V. PEDESTAL

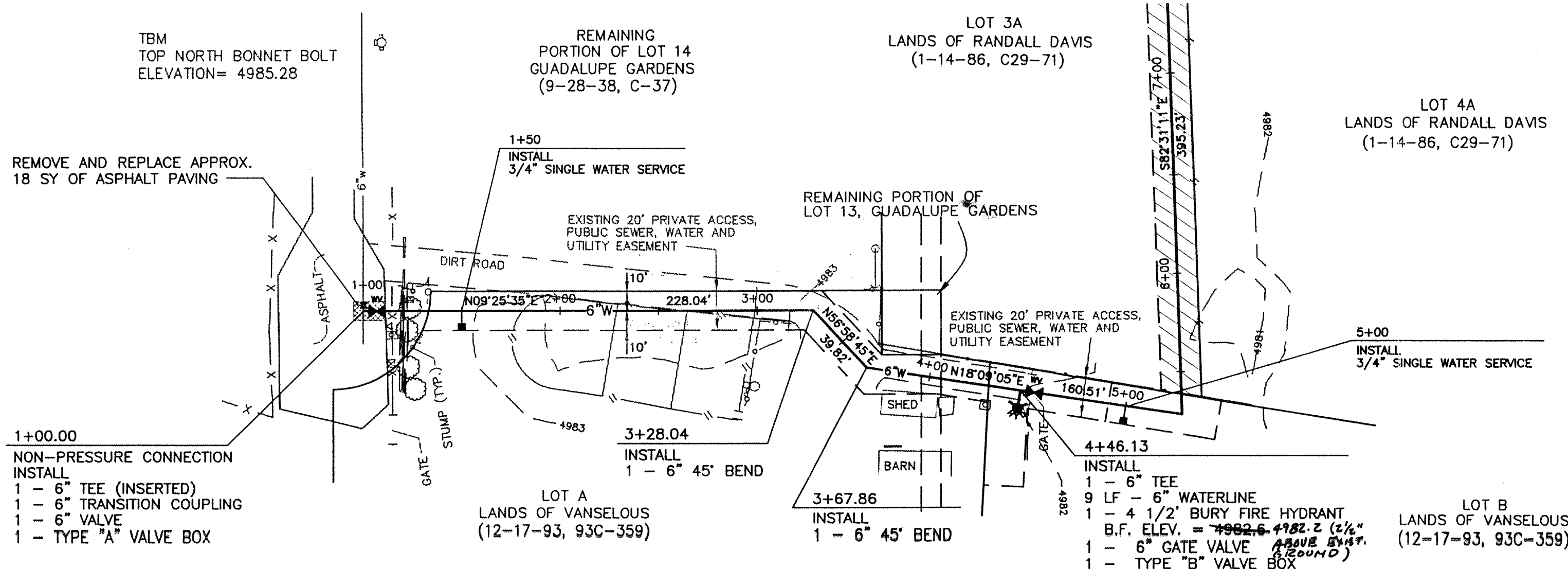
EASTERLING & ASSOCIATES, INC.
CONSULTING ENGINEERS
10131 Coors Rd., NW, Suite H-7/8
ALBUQUERQUE, NEW MEXICO 87114
(505) 898-8021 FAX (505) 898-8501

CITY OF ALBUQUERQUE	
PUBLIC WORKS DEPARTMENT	
ENGINEERING GROUP	
TITLE:	VILLAGE OF LOS RANCHOS
SOUTH	FROM PUEBLO SOLANO RD.
	WATERLINE PLAN & PROFILE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>B.G. Gaskin</i>	7-24-95	WATER	<i>R.W. Kane</i>	7-13-95
TRANS. DEV.	<i>N.A. BHO</i>	7-19-95	WASTE WATER	<i>R.W. Kane</i>	7-13-95
HYDROLOGY	<i>N/A BGM</i>	7/19/95	TRAF. OPER.		
OTHER			OTHER		

PROJECT NO.	5148.90	MAP NO.	D-14	SHEET	5	OF	6
-------------	---------	---------	------	-------	---	----	---





- NOTE:**
- CONSTRUCTION STATIONING IS ALONG CENTERLINE OF 6" WATERLINE.
 - CONTRACTOR SHALL RETURN EXISTING GRAVEL ROAD TO CONDITIONS PRIOR TO CONSTRUCTION.
- CONSTRUCTION NOTES:**
- WATERLINE TRENCHING AND BACKFILL SHALL BE IN ACCORDANCE WITH COA STD. DETAIL 2315.
 - TEES SHALL BE INSERTED PER COA STD. DWG. 2301.
 - VALVE BOXES SHALL BE INSTALLED PER COA STD. DETAIL 2326.
 - WATER VALVE ANCHORAGE SHALL BE INSTALLED PER COA. STD. DETAIL 2333.
 - FIRE HYDRANTS SHALL BE INSTALLED PER COA STD. DETAIL 2340.
 - INSTALL 3/4" SINGLE WATER SERVICE PER COA STD. DETAIL 2362.
 - PAVEMENT REPLACEMENT DUE TO UTILITY CONSTRUCTION SHALL BE PER COA STD. DETAIL 2465.

JOINT RESTRAINT SCHEDULE

FITTING	LENGTH
6" 90° BEND	20'
6" 45° BEND	8'
6" 22 1/2° BEND	4'
6" 11 1/4° BEND	2'
6" TEE	10' AT RUN 3' AT REACH
6" GV / HYD.	55'

- LEGEND**
- WALL OR HEAD WALL
 - WIRE FENCE
 - PIPE FENCE
 - WOOD FENCE
 - CHAIN LINK FENCE
 - TREE
 - WATER WELL
 - WATER SPIGOT
 - FIRE HYDRANT
 - WATER METER
 - SPRINKLER CONTROL VALVE
 - UTILITY CONDUIT
 - OVERHEAD ELECTRIC LINE
 - POWER POLE
 - ANCHOR
 - LOT LIGHT
 - MAILBOX
 - CABLE T.V. PEDESTAL

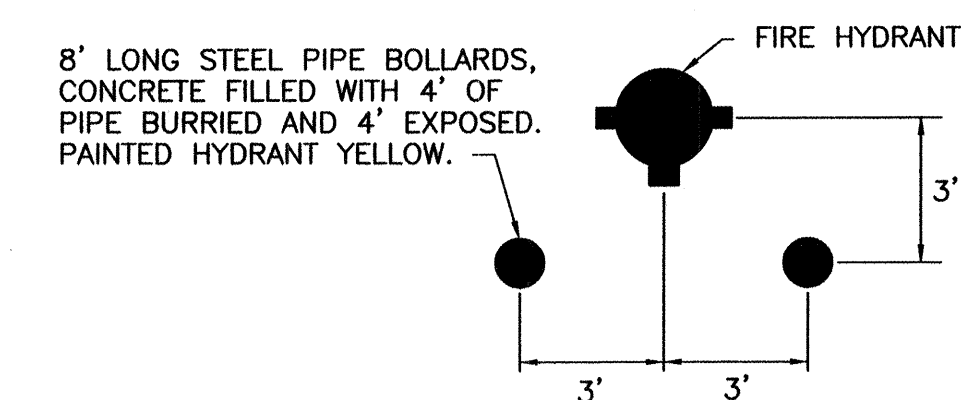
SCALE: 1" = 50' HORIZ.
1" = 10' VERT.

EASTERLING & ASSOCIATES, INC.
CONSULTING ENGINEERS
10131 Coors Rd., NW, Suite H-7/8
ALBUQUERQUE, NEW MEXICO 87114
(505) 898-8021 FAX (505) 898-8501

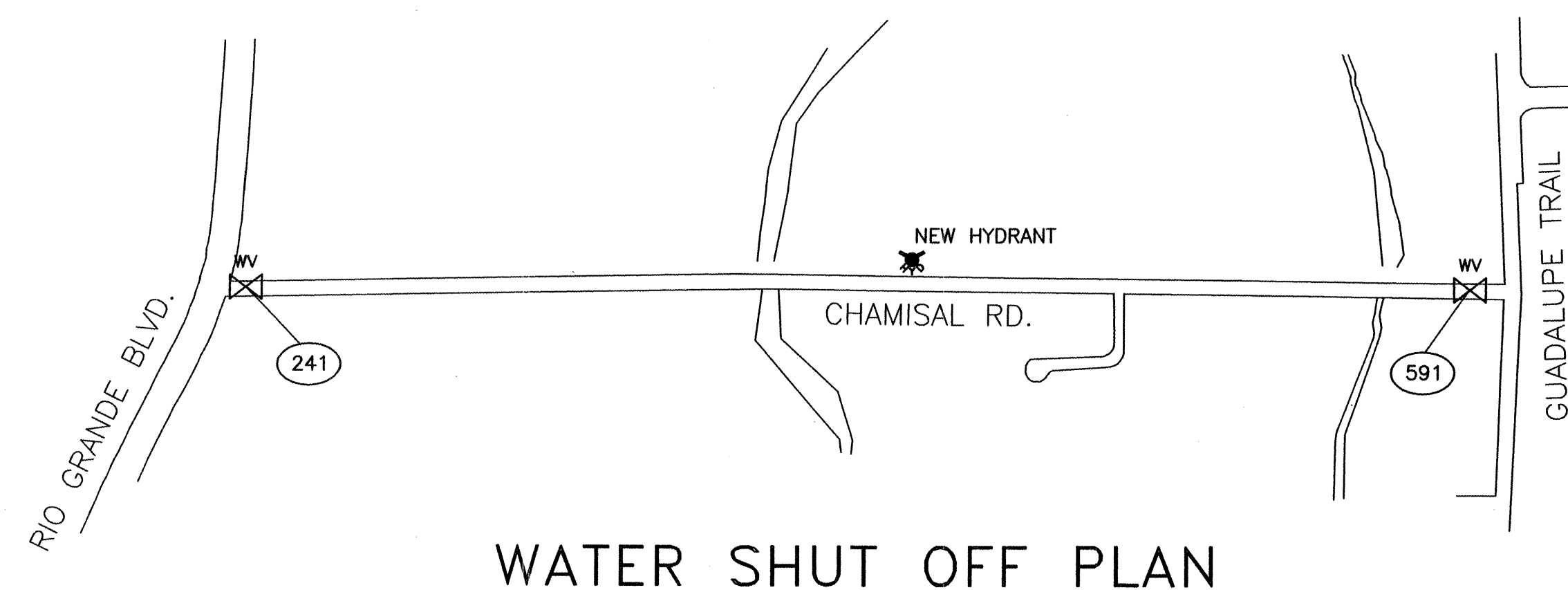
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
TITLE: VILLAGE OF LOS RANCHOS SOUTH FROM PUEBLO SOLANO RD. WATERLINE PLAN & PROFILE			
APPROVALS	ENGINEER	DATE	ENGINEER
D.R.C. Chair	<i>[Signature]</i>	7-24-95	R.W. Kane
TRANS. DEV.	<i>[Signature]</i>	7-19-95	R.W. Kane
HYDROLOGY	<i>[Signature]</i>	7-19-95	
OTHER			
PROJECT NO. 5148.90		MAP NO. D-14	SHEET 5 OF 6

COA INSPECTOR: CLIFTON SPENCER		AS BUILT INFORMATION	
CONTRACTOR: RUSS PITNEY		VILLAGE OF LOS RANCHOS	
STATION NAME: 9 - D15		DATE: 7-24-95	
DATE: 7-24-95		BY: [Signature]	
LOCATED 30.6' WEST OF FOURTH ST. CENTERLINE AND 253' SOUTH OF ROEHL RD. CENTERLINE.		NORTHING: 1515509.47	
		EASTING: 384714.92	
		ELEVATION: 4986.07	
SURVEY INFORMATION		BENCH MARKS	
FIELD NOTES		NO. 1	
DATE: 7-24-95		BY: [Signature]	
NO. 1		REMARKS	
DATE: 7-24-95		DESIGN	
DATE: 7-24-95		CHECKED BY: CME	
DATE: 7-24-95		DATE: 7-24-95	

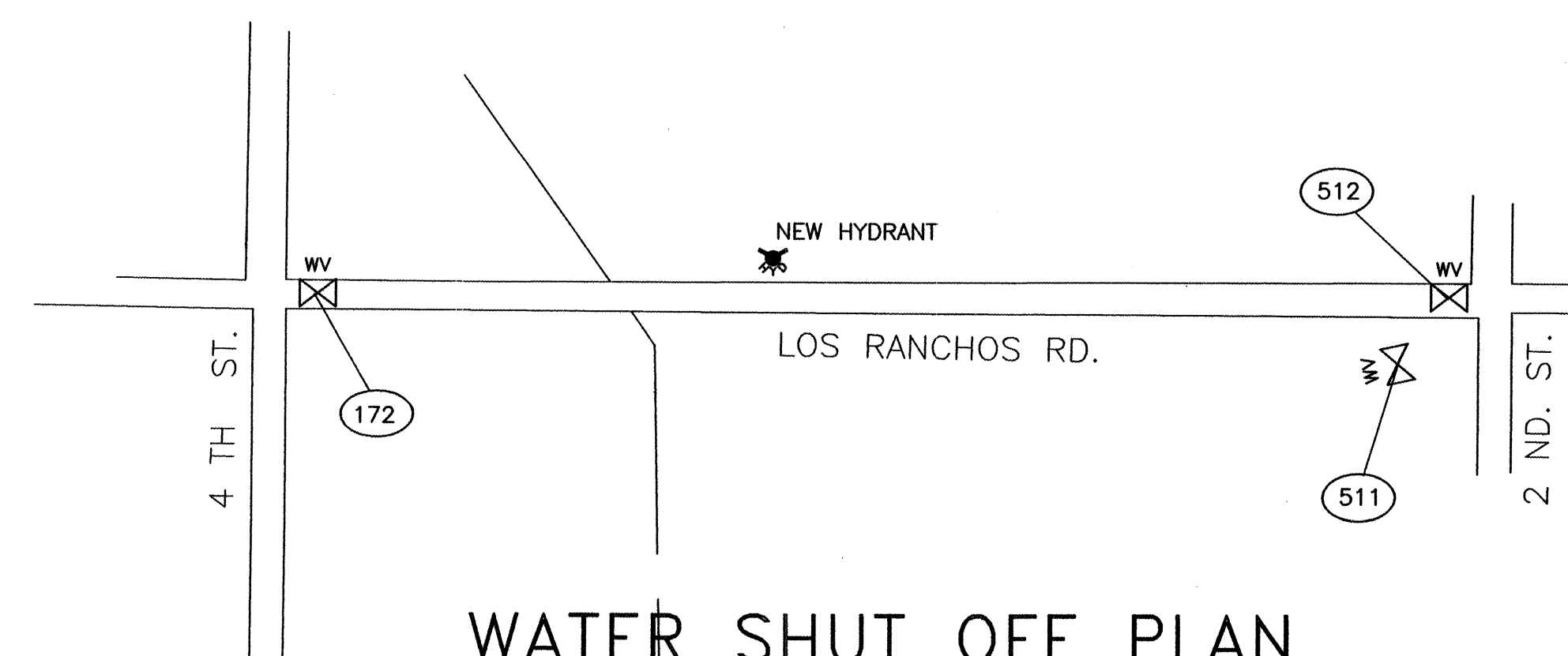
DWG. C:\DATA\WATER\EBRD.
DATE 07-08-95 15:19:30



BOLLARD PLACEMENT DETAIL



WATER SHUT OFF PLAN



WATER SHUT OFF PLAN

[illegible]

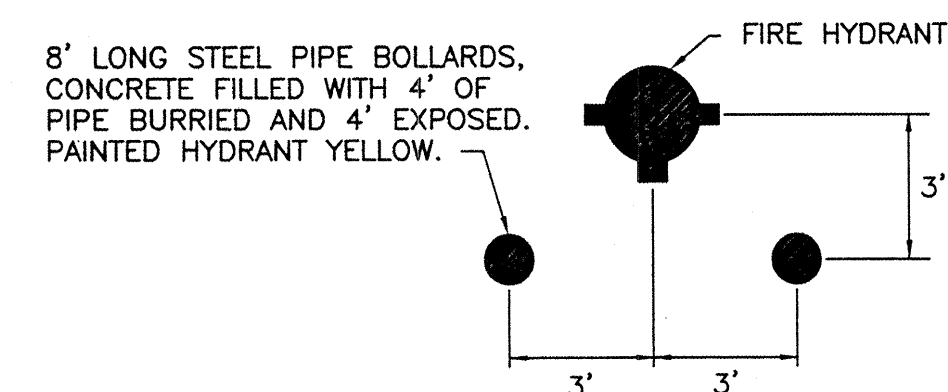
EASTERLING & ASSOCIATES, INC.
CONSULTING ENGINEERS
10131 Coors Rd., NW, Suite H-7/8
ALBUQUERQUE, NEW MEXICO 87114
(505) 898-8021 FAX (505) 898-8501

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: VILLAGE OF LOS RANCHOS
FIRE HYDRANT INSTALLATION
LOS RANCHOS RD. & CHAMISAL RD.

APPROVALS		ENGINEER	DATE	APPROVALS		ENGINEER	DATE
D.R.C. Chair	<i>B.G. Ambekar</i>		7-24-95	WATER	<i>R.W. Kane</i>		7-13-95
TRANS. DEV.	<i>N/A</i>		7-19-95	WASTE WATER	<i>R.W. Kane</i>		7-13-95
HYDROLOGY	<i>N/A</i>	<i>gpr</i>	3/19/95	TRAF. OPER.			
OTHER				OTHER			

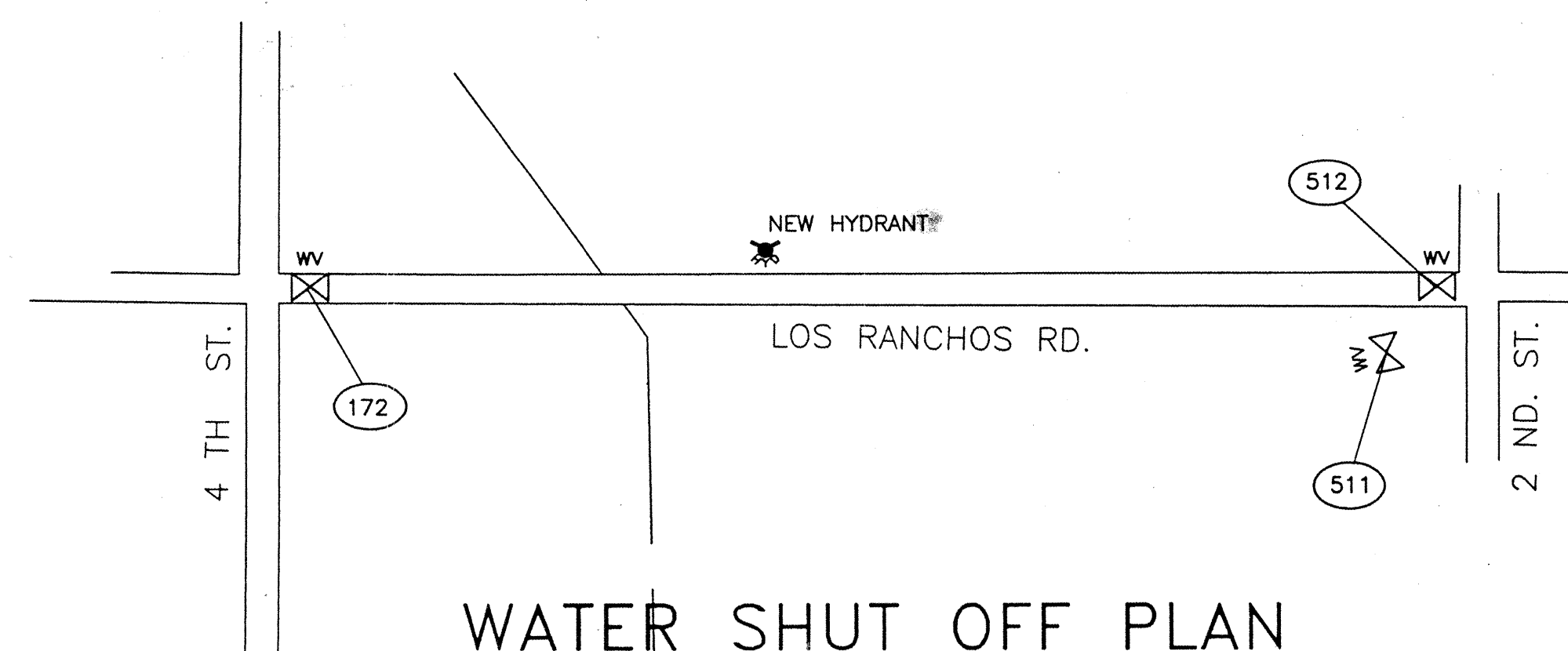
PROJECT NO.	5148.90	MAP C-15 NO. D-14	SHEET 6	OF 6
-------------	---------	----------------------	---------	------



CHAMISAL RD. FIRE HYDRANT 6A



LOS RANCHOS RD. FIRE HYDRANT 6B

[illegible]

EASTERLING & ASSOCIATES, INC.
CONSULTING ENGINEERS
10131 Coors Rd., NW, Suite H-7/8
ALBUQUERQUE, NEW MEXICO 87114
(505) 898-8021 FAX (505) 898-8501

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: VILLAGE OF LOS RANCHOS
FIRE HYDRANT INSTALLATION
LOS RANCHOS RD. & CHAMISAL RD.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>B.P. Gendley</i>	7-24-95	WATER	<i>R.W. Kane</i>	7-13-
TRANS. DEV.	<i>N/A</i>	7-19-95	WASTE WATER	<i>R.W. Kane</i>	7-13-
HYDROLOGY	<i>N/A</i>	7/19/95	TRAF. OPER.		
OTHER			OTHER		

PROJECT NO.	5148.90	MAP C-15 NO. D-14	SHEET 6	OF 6
----------------	---------	----------------------	------------	---------