

CONSTRUCTION NOTES

GENERAL

CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS, INCLUDING A TOP SOIL DISTURBANCE PERMIT, PRIOR TO START OF CONSTRUCTION.

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.

REFERENCE MADE TO CDA STD DWGS. REFER TO CITY OF ALBUQUERQUE STANDARD DRAWINGS AS AMENDED THROUGH UPDATE #6.

REFERENCE MADE TO APWA REFERS TO AMERICAN PUBLIC WORKS ASSOCIATION.

REFERENCE MADE TO NMSHD REFERS TO NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT.

THE CONTRACTOR SHALL NOT INSTALL ITEMS AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS THAT FIELD CONDITIONS ARE DIFFERENT THAN SHOWN IN THE DESIGN. SUCH CONDITIONS SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER. IN THE EVENT THE CONTRACTOR DOES NOT NOTIFY THE ENGINEER, THE CONTRACTOR ASSUMES FULL RESPONSIBILITY AND EXPENSE FOR ANY REVISIONS NECESSARY.

EXISTING SITE IMPROVEMENTS WHICH ARE DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE. REPAIRS SHALL BE APPROVED BY THE OWNER PRIOR TO CONSTRUCTION OF THE REPAIRS. REPAIRS SHALL BE ACCEPTED BY THE OWNER PRIOR TO FINAL PAYMENT.

EXISTING FENCING THAT IS NOT DESIGNATED FOR REMOVAL SHALL NOT BE DISTURBED. ANY FENCING THAT IS DISTURBED OR ALTERED BY THE CONTRACTOR SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE. IF THE CONTRACTOR WOULD LIKE TO REMOVE FENCING TO FACILITATE CONSTRUCTION OPERATIONS, THIS MAY BE DONE WITH THE OWNER'S PERMISSION, AND THE CONTRACTOR SHALL RESTORE THE FENCE TO ITS ORIGINAL CONDITION PRIOR TO THE CLOSE OF THE PROJECT. CONTRACTOR IS RESPONSIBLE FOR SECURITY OF THE SITE UNTIL THE FENCE IS REPLACED.

THE CONTRACTOR SHALL USE THE DESIGNATED STAGING AREA FOR STORAGE OF EQUIPMENT AND MATERIAL. NO MATERIAL OR EQUIPMENT MAY BE STORED OR LEFT ON SITE AT ANY OTHER LOCATION. THE OWNER ASSUMES NO LIABILITY FOR CONTRACTOR'S EQUIPMENT OR MATERIAL IN THE STAGING AREA. SECURITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. IF NO STAGING AREA IS DESIGNATED ON THESE PLANS, AN OFFSITE STAGING AREA SHALL BE PROVIDED AT THE CONTRACTOR'S EXPENSE.

WORK WITHIN CITY RIGHT-OF-WAY

CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL AT HIS OWN EXPENSE, RETAIN A LICENSED SURVEYOR TO ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS UNLESS OTHERWISE SPECIFIED, REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.

ALL CONSTRUCTION WITHIN CITY R.O.W. OR EASEMENTS MUST BE DONE FROM WORK ORDER DOCUMENTS APPROVED BY THE CITY OF ALBUQUERQUE.

CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS TO CONSTRUCT FACILITIES WITHIN CITY RIGHT-OF-WAY.

ELECTRONIC MARKER DISCS SHALL BE PLACED IN ACCORDANCE WITH SECTION 170 OF THE CITY OF ALBUQUERQUE, STANDARD SPECIFICATIONS, PUBLIC WORKS CONSTRUCTION.

DIMENSIONS

ALL DIMENSIONS IN PARKING AREAS AND DRIVES ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.

ALL STATIONING IS TO CENTERLINE OF RIGHT-OF-WAY UNLESS OTHERWISE NOTED.

ALL SLOPES AND GRADES ARE IN FEET/FOOT UNLESS OTHERWISE NOTED.

ELEVATIONS SHOWN FOR CURB AND GUTTER ARE FLOWLINE ELEVATIONS UNLESS OTHERWISE NOTED. SEE DETAIL SHEET FOR CURB HEIGHT ABOVE FLOWLINE.

SOILS

UNLESS OTHERWISE SPECIFIED SUBGRADE SOILS AND STRUCTURAL FILL MATERIALS SHALL BE COMPACTED TO THE FOLLOWING PERCENTAGES OF THE ASTM D 1557 MAXIMUM DENSITY.

MATERIAL	PERCENT COMPACTION
STRUCTURAL FILL IN THE BUILDING AREA	95
SUBASE FOR SLAB SUPPORT	95
MISCELLANEOUS BACKFILL BELOW STRUCTURAL FILL	95
OR ROAD PAVEMENT	
MISCELLANEOUS BACKFILL BELOW UNPAVED, NON-BUILDING AREAS	90
ROAD PAVEMENT SUBGRADE	95
SIDEWALK SUBGRADE	95
CURB AND GUTTER SUBGRADE	95

PAVING

WHEN ABUTTING NEW PAVEMENT TO EXISTING, CUT BACK EXISTING PAVEMENT TO A NEAT, STRAIGHT LINE AS REQUIRED TO REMOVE ANY BROKEN OR CRACKED PAVEMENT AND MATCH NEW PAVING TO EXISTING.

ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED AND APPROVED PRIOR TO PAVING.

ALL WATER VALVE BOXES AND ELECTRICAL, TELEPHONE, TV & SEWER MANHOLES IN THE CONSTRUCTION AREA SHALL BE ADJUSTED TO FINISHED GRADE.

SURVEY MONUMENTATION

THE 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 SURVEY MONUMENT THAT IS DISTURBED. REPLACEMENT SHALL BE DONE ONLY BY A REGISTERED SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, THE CONTRACTOR SHALL AT HIS OWN EXPENSE, OBTAIN THE SERVICES OF A REGISTERED SURVEYOR TO ADJUST THE MONUMENT AS REQUIRED AND PROPERLY REPORT THE NEW DATA TO THE CONTROLLING AUTHORITIES.

TRAFFIC CONTROL

THE CONTRACTOR SHALL PROVIDE ALL REQUIRED TRAFFIC CONTROL PLANS. ALL SIGNS, BARRICADES, CHANNELIZATION DEVICES, SIGN FRAMES AND ERECTION OF SUCH DEVICES SHALL CONFORM TO THE REQUIREMENTS OF "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" LATEST EDITION. PRIOR TO CONSTRUCTION, TRAFFIC CONTROL PLANS SHALL BE APPROVED BY THE GOVERNING AUTHORITY.

UTILITIES

IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED TO THE ENGINEER BY OTHERS, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ANY UTILITY LINE, PIPELINE OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ACCORDANCE WITH CHAPTER 62, ARTICLE 14-1 THROUGH 14-8, NMSA 1978.

THE EXISTING UTILITIES DEPICTED ON THESE PLANS WERE DERIVED FROM INFORMATION PROVIDED TO THE ENGINEER BY OTHERS. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF PERTINENT UTILITIES. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY. CONTRACTOR IS TO EXERCISE DUE CARE TO AVOID DISTURBING ANY EXISTING UNDERGROUND UTILITIES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ANY POTENTIAL DISRUPTIONS TO UTILITY SERVICE WITH THE UTILITY COMPANIES AFFECTED AT LEAST 24 HOURS PRIOR TO THE DISRUPTION.

CONTRACTOR SHALL EXPOSE AND VERIFY INVERT ELEVATIONS OF RELEVANT SANITARY SEWER LINES BEFORE SETTING ANY NEW INVERTS. SHOULD INVERTS DIFFER MORE THAN 0.20' FROM THOSE SHOWN ON THE PLANS, THE ENGINEER SHALL BE NOTIFIED TO DETERMINE ANY RESULTING CHANGES IN DESIGN.

CONTRACTOR SHALL COORDINATE WITH WATER SYSTEMS DIVISION (857-8200) THREE WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER OR SEWER UTILITIES.

EXISTING VALVES TO BE OPERATED BY CITY PERSONNEL ONLY. CONTRACTOR SHALL CONTACT THE WATER SYSTEMS DIVISION (857-8200) THREE DAYS PRIOR TO NEEDING VALVES TURNED ON OR OFF.

MINIMUM DEPTH OF COVER: WATER = 48" SEWER = 24" GAS = 24"

CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.

INSTALL RESIDENTIAL WATER SERVICE LINES PER C.O.A. STANDARD DRAWING 2360.

INSTALL RESIDENTIAL SANITARY SEWER SERVICE LINES PER C.O.A. STANDARD DRAWING 2125.

SANITARY SEWER LINES SHALL BE PVC SDR-35. WATER LINES SHALL BE PVC C-900.

EROSION CONTROL, ENVIRONMENTAL PROTECTION, AND STORM WATER POLLUTION PREVENTION PLAN

THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE, AND FEDERAL DUST AND EROSION CONTROL REGULATIONS. THE CONTRACTOR SHALL PREPARE AND OBTAIN ANY NECESSARY DUST OR EROSION CONTROL PERMITS FROM REGULATORY AGENCIES.

THE CONTRACTOR SHALL SECURE A "TOP SOIL DISTURBANCE PERMIT" FROM THE CITY OF ALBUQUERQUE ENVIRONMENTAL HEALTH DIVISION PRIOR TO BEGINNING CONSTRUCTION.

THE CONTRACTOR SHALL PROMPTLY REMOVE ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY TO KEEP IT FROM WASHING OFF THE PROJECT SITE.

THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO OTHER PROPERTY BY CONSTRUCTING TEMPORARY EROSION CONTROL BERM OR INSTALLING SILT FENCES AT THE PROPERTY LINES AND WETTING THE SOIL TO KEEP IT FROM BLOWING.

WATERING, AS REQUIRED FOR CONSTRUCTION AND DUST CONTROL, SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO MEASUREMENT OR PAYMENT SHALL BE MADE THEREFOR. CONSTRUCTION AREAS SHALL BE WATERED FOR DUST CONTROL IN COMPLIANCE WITH GOVERNMENT ORDINANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND SUPPLYING WATER AS REQUIRED.

ANY AREAS DISTURBED BY CONSTRUCTION AND NOT COVERED BY LANDSCAPING OR AN IMPERVIOUS SURFACE SHALL BE REVEGETATED WITH RECLAMATION SEEDING.

SEEDING OF DISTURBED AREAS SHALL BE DONE IN ACCORDANCE WITH C.O.A. STANDARD SPECIFICATION #1012, "NATIVE GRASS SEEDING".

THE CONTRACTOR SHALL PROPERLY HANDLE AND DISPOSE OF ALL ASPHALT REMOVED ON PROJECT BY HAULING TO APPROVED LANDFILL IN ACCORDANCE WITH THE REQUIREMENTS OF THE NEW MEXICO SOLID WASTE ACT.

ALL WASTE PRODUCTS FROM THE CONSTRUCTION SITE, INCLUDING ITEMS DESIGNED FOR REMOVAL, CONSTRUCTION WASTE, CONSTRUCTION EQUIPMENT WASTE PRODUCTS (OIL, GAS, TIRES, ETC.), GARBAGE, GRUBBING, EXCESS CUT MATERIAL, VEGETATIVE DEBRIS, ETC. SHALL BE APPROPRIATELY DISPOSED OF OFF-SITE AT NO ADDITIONAL COST TO THE OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ANY PERMITS REQUIRED FOR HAUL OR DISPOSAL OF WASTE PRODUCTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE WASTE DISPOSAL SITE COMPLIES WITH GOVERNMENT REGULATIONS REGARDING THE ENVIRONMENT, ENDANGERED SPECIES, AND ARCHAEOLOGICAL RESOURCES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEAN-UP AND REPORTING OF SPILLS OF HAZARDOUS MATERIALS ASSOCIATED WITH THE CONSTRUCTION SITE. HAZARDOUS MATERIALS INCLUDES GASOLINE, DIESEL FUEL, MOTOR OIL, SOLVENTS, CHEMICALS, PAINT, ETC. WHICH MAY BE A THREAT TO THE ENVIRONMENT. THE CONTRACTOR SHALL REPORT THE DISCOVERY OF PAST OR PRESENT SPILLS TO THE NEW MEXICO ENVIRONMENT DEPARTMENT EMERGENCY RESPONSE AT 1-505-822-1558 OR 1-800-219-6157.

THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS CONCERNING SURFACE AND UNDERGROUND WATER, CONTACT WITH SURFACE WATER BY CONSTRUCTION EQUIPMENT AND PERSONNEL SHALL BE MINIMIZED. EQUIPMENT MAINTENANCE AND REFUELING OPERATIONS SHALL BE PERFORMED IN AN ENVIRONMENTALLY SAFE MANNER IN COMPLIANCE WITH GOVERNMENT REGULATIONS.

THE AIR POLLUTION CONTROL REGULATIONS OF THE ALBUQUERQUE/BERNALILLO COUNTY AIR QUALITY CONTROL BOARD (505-768-2638) LIMIT THE EMISSION OF PARTICULATES AND THE USE OF CUTBACK ASPHALT. THE CONTRACTOR SHALL APPRISE HIMSELF OF THESE REGULATIONS PRIOR TO BIDDING AND PERFORMING THE WORK.

THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS CONCERNING CONSTRUCTION NOISE AND HOURS OF OPERATIONS.

ACCESSIBLE FACILITIES

ALL SURFACES ALONG ACCESSIBLE ROUTES AND FOR HANDICAP RAMPS SHALL BE STABLE, FIRM, SLIDE-RESISTANT, AND SHALL COMPLY WITH UNIFORM FEDERAL ACCESSIBILITY STANDARDS, PARAGRAPH 4.5.

LONGITUDINAL SLOPES ALONG ACCESSIBLE ROUTE SIDEWALKS, EXCEPT AT HANDICAP RAMPS, SHALL NOT BE STEEPER THAN 1:20. CROSS SLOPES ALONG ACCESSIBLE ROUTE SIDEWALKS EXCEPT AT HANDICAP RAMPS SHALL NOT BE STEEPER THAN 1:48. SLOPES IN ACCESSIBLE PARKING SPACES, ACCESS AISLES, AND PASSENGER LOADING ZONES SHALL NOT BE STEEPER THAN 1:48 IN ALL DIRECTIONS.

THE SITE SHALL COMPLY WITH ANSI A117.1-1992, "ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES".

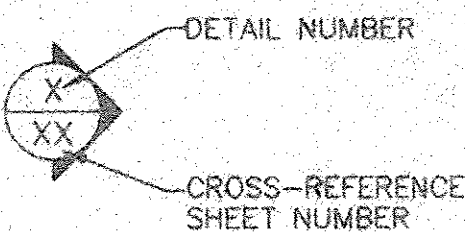
WORK WITHIN C.O.A. RIGHT-OF-WAY

- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HERON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #6.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, (260-1990) FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL PERTINENT EXISTING UTILITIES. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- THREE WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (765-2551) PRIOR TO OCCUPYING PUBLIC RIGHT-OF-WAY. SEE SECTION 19 OF THE SPECIFICATIONS. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED IN KIND BY CONTRACTOR TO LOCATION AND IN KIND AS EXISTING OR AS INDICATED BY THIS PLAN SET.
- MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- BACKFILL COMPACTION SHALL BE ACCORDING TO ARTERIAL STREET USE.
- TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
- SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- IF CURB IS DEEPRESSED FOR A DRIVEPAD OR A HANDICAP RAMP, THE DRIVEPAD OR RAMP SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF THE CURB AND GUTTER.
- ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

REFERENCE BUBBLES:

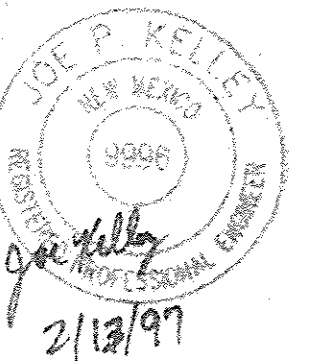


LEGEND

DESCRIPTION	EXISTING	NEW
BUILDING		
ASPHALT		
CONCRETE		
WATER VALVE	WV	WV
FIRE HYDRANT		
CURB AND GUTTER		
SPOT ELEVATION	x 5300.21	FL56.79
SANITARY SEWER	SAS	SAS
WATER LINE	W	W
STORM DRAIN	SD	SD
FIBER OPTIC CABLE	OC	OC
DOUBLE CLEANOUT	CO	CO
MANHOLE (ELECTRICAL)		
MANHOLE (CABLE TV)		
MANHOLE (STORM DRAIN)		
CONSTRUCTION BASE LINE		8+00
DROP INLET		
FLOW LINE		
DIRECTION OF SLOPE		
PROPERTY LINE		
LIMITS OF CONSTRUCTION		
LIGHT POLE		
BOLLARDS		
CONTOURS	5182	82
POND LIMITS		

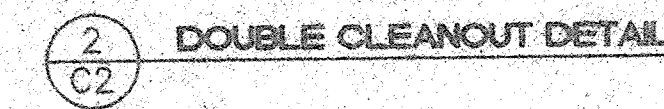
ABBREVIATIONS

A = AIR	IW = INDUSTRIAL WASTE	UT = UNDERGROUND TELEPHONE LINE
A.B.I. = ALLEGED BID ITEM	K = RATE OF VERTICAL CURVE	VC = VERTICAL CURVE
AD = AREA DRAIN	LEN. = LENGTH	VP = VENT PIPE
A.D. = ALGEBRAIC DIFFERENCE IN SLOPES	LF = LINEAR FEET	W = WATER
AIP = ABANDONED IN PLACE	LP = LIGHT POLE	WM = WATER METER
AP = ANALYSIS POINT	L/S = LANDSCAPING	WV = WATER VALVE
BLDG = BUILDING	LT = LEFT	
BM = BENCHMARK	MH = MANHOLE	
BVCS = BEGINNING VERTICAL CURVE STATION	NG = NATURAL GRADE	
BVCE = BEGINNING VERTICAL CURVE ELEVATION	PB = PULL BOX	
BW = BASE OF WALL	PL = PROPERTY LINE	
CATV = CABLE TV LINE	PC = POINT OF CURVE	
CB = CATCH BASIN	PCC = PORTLAND CEMENT CONCRETE	
CIP = CAST IRON PIPE	P.I. = POINT OF INTERSECTION	
CR = CURB RETURN	PP = POWER POLE	
CMP = CORRUGATED METAL PIPE	PRC. = POINT OF REVERSE CURVE	
CMPA = CORRUGATED METAL PIPE ARCH	PT = POINT OF TANGENT	
CO = CLEANOUT	PVI = POINT OF VERTICAL INTERSECTION	
CONC = CONCRETE	PVC = POLYVINYL CHLORIDE PIPE	
CL = CHAIN LINK	RCP = REINFORCED CONCRETE PIPE	
DIA = DIAMETER	RD = ROAD DRAIN	
DI = DROP INLET	ROW = RIGHT OF WAY	
DIP = DUCTILE IRON PIPE	RT = RIGHT	
E = ELECTRIC	S = SLOPE	
ELEV = ELEVATION	SAS = SANITARY SEWER LINE	
ESMT = EASEMENT	SD = STORM DRAIN	
EVCS = END VERTICAL CURVE STATION	SP = STEEL PIPE	
EVCE = END VERTICAL CURVE ELEVATION	STA = STATION	
EXIST = EXISTING	STD = STANDARD	
EB = ELECTRIC BOX	SW = SIDEWALK	
ED = FLOOR DRAIN	T = TELEPHONE LINE	
FE = FINISHED FLOOR ELEVATION	TA = TOP OF ASPHALT	
FG = FINISHED GRADE	TAC = TOP OF ASPHALT CURB	
FH = FIRE HYDRANT	TC = TOP OF CONCRETE	
FL = FLOW LINE	TCC = TOP OF CONCRETE CURB	
FM = FORCE MAIN	TD = TOP OF DRAIN	
FW = FIRE WATER	TG = TOP OF GRATE	
FF = FINISHED FLOOR ELEVATION	TS = TOP OF SIDEWALK	
FP = FINISHED PAD (DIRT)	TW = TOP OF WALL	
G = GAS	TYP = TYPICAL	
GM = GAS METER	TB = TELEPHONE BOX	
GV = GATE VALVE	TR = TELEPHONE RISER	
HC = HANDICAP	TS = TRAFFIC SIGN	
HI PT = HIGH POINT	UE = UNDERGROUND ELECTRICAL LINE	
INV = INVERT ELEVATION	UN = UNKNOWN	
IP = IRON PIPE		

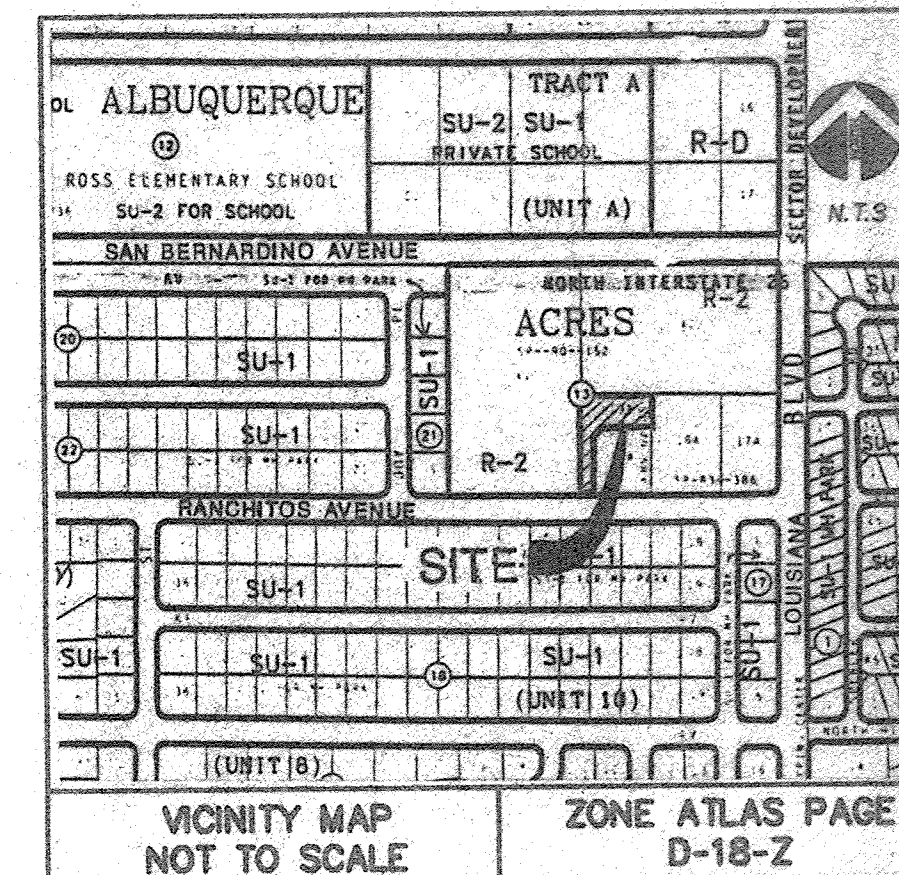
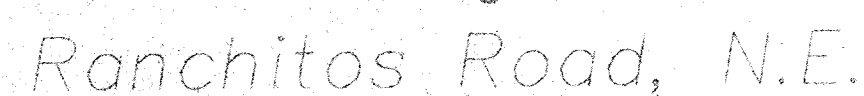
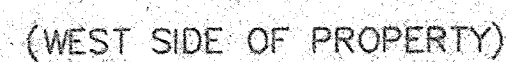


D18-D35
1/3

REV	DATE	DESCRIPTION	DRAWN	APPRD.
5639 JEFFERSON STREET N.E. • ALBUQUERQUE, NEW MEXICO 87109 PHONE (505) 344-4080 • FAX (505) 343-8759				
RANCHITOS APARTMENTS				
GENERAL CIVIL NOTES				
DESIGNED BY:	J.W.	SCALE:	1 = 1	C1
DRAWN BY:	J.M.	JOB NUMBER:	N12-100-0096	
REVIEWED BY:		DATE:	02-12-97	
				1 of 3



1. CONCRETE SHALL BE 4000 PSI AT 28 DAYS.
2. A CROSS SLOPE OF $\frac{1}{4}$ " PER FOOT SHALL BE PROVIDED AND SHALL SLOPE TOWARDS THE DIRECTION OF DRAINAGE AREA.
3. CONCRETE WALKS SHALL HAVE CONTRACTION JOINTS AT 6' INTERVALS AND $\frac{1}{2}$ " EXPANSION JOINTS SHALL BE INSTALLED AT 36' INTERVALS @ BEGINNING & END OF CURVES, UNLESS OTHERWISE NOTED.
4. $\frac{1}{2}$ " EXPANSION JOINTS SHALL BE INSTALLED WHERE WALKS ABUT RIGID STRUCTURES, SUCH AS CURBS, BUILDINGS, LIGHT STANDARDS, ECT.,



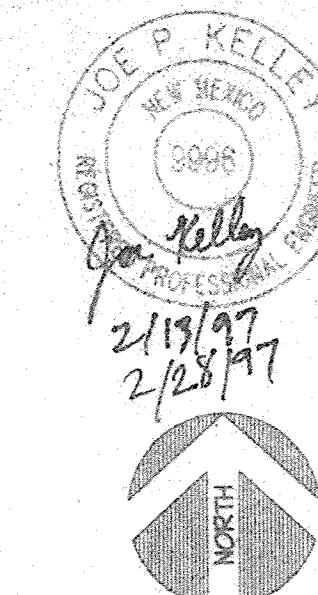
LEGAL DESCRIPTION
LOT 19A AND 19B, TRACT A, UNIT A, BLOCK 13,
NORTH ALBUQUERQUE ACRES.

SURVEY INFORMATION
SURVEY INFORMATION WAS OBTAINED FROM
PRECISION SURVEYS

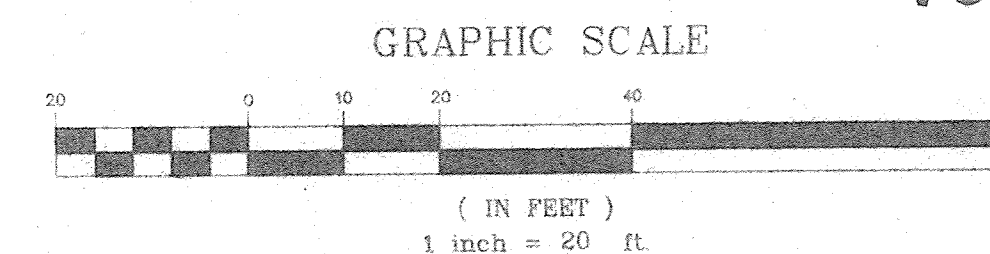
BENCHMARK
STANDARD ACS BRASS TABLET STAMPED
"10-D18, 1978" ELEV. 5319.15
(SLD 1929)

- KEYED NOTES**

 1. INSTALL PAVEMENT PER DETAIL 1/C2.
 2. INSTALL SIDEWALK PER DETAIL 3/C2.
 3. INSTALL HANDICAPPED RAMP
PER DETAIL 4/C2.
 4. 2'-0" WIDE CURB OPENING.
 5. INSTALL 46 LF CONCRETE WALL PER
DETAIL 5/C2.
 6. INSTALL 59 LF CONCRETE WALL PER DETAIL
6/C2.
 7. INSTALL 11 LF CONCRETE WALL PER DETAIL
6/C2. TRANSITION POND BOTTOM FROM A
5300' ELEV. AT EDGE OF ASPHALT TO A
5298.5' ELEV. IN 6 LF.
 8. INSTALL 1 DOUBLE CLEANOUT PER DETAIL 2/C2.
PIPE INVERT ELEVATION = 5298.12.
 9. INSTALL RODENT SCREEN AT END OF PIPE.



D18-D35
2/3



A circular professional engineer seal for the State of Ohio. It features a central emblem with a gear-like design and the words "STATE OF OHIO" around it.

CHAVEZ • GRIEVES CONSULTING ENGINEERS, INC.

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RANCHITOS APARTMENTS

GRADING & DRAINAGE

DESIGNED BY:	J.W.	SCALE:	1" = 20'
DRAWN BY:	J.M.	JOB NUMBER:	N12-100-0098
REVIEWED BY:		DATE:	02-12-97

C2

2 of 3