

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 DCA STD DPCS OR STANDARD SPECIFICATIONS REFER TO CITY OF ALBUQUERQUE STANDARD DRAWINGS AS AMENDED THROUGH UPDATE #4.

REFERENCE MADE TO APWA REFERS TO AMERICAN PUBLIC WORKS ASSOCIATION. REFERENCE MADE TO MHSR 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 PLANS. 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.

COSTING SITE IMPROVEMENTS WHICH ARE DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REPAIRED AND REPLACED BY THE CONTRACTOR. ALL THE CONTRACTOR 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 DESTROYED. ANY FENCING THAT IS DESTROYED OR ALIGNED BY THE CONTRACTOR SHALL BE REINSTALLED TO ITS ORIGINAL CONDITION AT THE FENCING TO FACILITATE CONSTRUCTION OPERATIONS. THIS MAY BE DONE PRIOR TO THE ORIGINAL CONDITION PRIOR TO THE CLOSE OF THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR SECURITY OF THE SITE UNTIL THE FENCE IS REPLACED.

WORK WITHIN CITY/COUNTY RIGHT-OF-WAY
CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEY MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. THE CONTRACTOR SHALL OBTAIN PERMITS FROM THE CITY SURVEYOR AND THE CITY ENGINEER PRIOR TO ANY CONSTRUCTION OPERATIONS. THE CITY SURVEYOR SHALL BE NOTIFIED BY THE CONTRACTOR OF ANY CHANGES TO THE PLANNED ELEVATIONS OF THE PROJECT. THE CITY SURVEYOR SHALL BE NOTIFIED BY THE CONTRACTOR OF ANY CHANGES TO THE PLANNED ELEVATIONS OF THE PROJECT. THE CITY SURVEYOR SHALL BE NOTIFIED BY THE CONTRACTOR OF ANY CHANGES TO THE PLANNED ELEVATIONS OF THE PROJECT.

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

ALL CONSIDERATIONS 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 CURBS AND GUTTERS ARE FLOWLINE ELEVATIONS UNLESS OTHERWISE NOTED. SEE DETAIL SHEET FOR CURB HEIGHT ABOVE FLOWLINE.

SOILS
UNLESS OTHERWISE SPECIFIED SURFACE 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
SLURRY FOR ROAD SUPPORT	95
MISCELLANEOUS BACKFILL BELOW STRUCTURAL FILL	95
ROAD SUPPORT	95
MISCELLANEOUS BACKFILL BELOW UNPAVED, NON-FILLING AREAS	90
ROAD PAVEMENT SUBGRADE	90
SEWERAGE SUBGRADE	90
CURB AND GUTTER SUBGRADE	95

PAVING
WHEN ABUTTING NEW PAVEMENT TO EXISTING, CUT BACK EXISTING PAVEMENT TO A NEARLY 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 INFORMATION
THE CONTRACTOR SHALL OBTAIN PERMITS FROM THE CITY SURVEYOR WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND SEAR THE CITY SURVEYOR OF ANY CHANGES TO THE PLANNED ELEVATIONS OF THE PROJECT. THE CITY SURVEYOR SHALL BE NOTIFIED BY THE CONTRACTOR OF ANY CHANGES TO THE PLANNED ELEVATIONS OF THE PROJECT.

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 NOT EXIST. THEREFORE, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ANY UTILITY LINES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ANY UTILITY LINES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ANY UTILITY LINES PRIOR TO CONSTRUCTION.

THE EXISTING UTILITIES DEPICTED ON THESE PLANS WERE DERIVED FROM INFORMATION PROVIDED TO THE ENGINEER BY OTHERS. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL LOCATE AND VERIFY THE LOCATION OF ANY UTILITY LINES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONTRACT CAN BE RESUMED WITH A MINIMUM AMOUNT OF DELAY. THE CONTRACTOR IS TO EXERCISE DUE CARE TO AVOID DISTURBING ANY EXISTING UTILITIES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ANY POTENTIAL DISRUPTIONS IN 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 BE MORE THAN 10' FROM THOSE SHOWN ON THE PLANS, THE ENGINEER SHALL BE NOTIFIED TO DETERMINE ANY RESULTING CHANGES IN DESIGN.

CONTRACTOR SHALL COORDINATE WITH NEW MEXICO UTILITIES, INC. (NMU-2881) PRIOR TO ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER OR SEWER UTILITIES.

EXISTING VALVES TO BE OPERATED BY NMU PERSONNEL ONLY. CONTRACTOR SHALL CONTACT NMU UTILITIES, INC. (888-2661) THREE DAYS PRIOR TO MEETING 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 NEW MEXICO UTILITIES, INC. (888-2661) FOR THE REGISTRATION OF UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.

EROSION CONTROL, ENVIRONMENTAL PROTECTION, AND STORM WATER POLLUTION PREVENTION PLAN
THE CONTRACTOR SHALL SUBMIT 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 OR BERNALILLO COUNTY ENVIRONMENTAL HEALTH DEPARTMENT PRIOR TO BEGINNING CONSTRUCTION.

THE CONTRACTOR SHALL PROPERLY 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 BARRIERS OR INSTALLING SOIL EROSION CONTROL MEASURES AT THE PROPERTY LINES AND RETAINING 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 REGULATIONS. 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 RESEEDING.

THE CONTRACTOR SHALL PROPERLY HANDLE AND DISPOSE OF ALL ASPHALT REMOVED FROM THE PROJECT BY MILLING AND REPAVED 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, WASTE PRODUCTS (OIL, GAS, TIRES, ETC.) GARBAGE, GROUNDING EXCESS OIL, OR DISPOSAL OF WASTE PRODUCTS, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ANY PERMITS REQUIRED FOR PAUL 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 INCLUDE GASOLINE, DIESEL FUEL, MOTOR OIL, GREASE, AND OTHER FLAMMABLE LIQUIDS. THE CONTRACTOR SHALL REPORT THE DISCOVERY OF PAST OR PRESENT SPILLS TO THE NEW MEXICO ENVIRONMENTAL DEPARTMENT EMERGENCY RESPONSE AT 1-800-822-1508 OR 1-800-219-8157.

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 (COC-788-2038) LIMIT THE DISPOSITION OF PARTICULATES AND THE USE OF CLEANABLE ASPHALT. THE CONTRACTOR SHALL ABIDE BY THESE REGULATIONS PRIOR TO BEGINNING 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, SLIP-RESISTANT, AND SHALL COMPLY WITH UNIFORM FEDERAL ACCESSIBILITY CRITERIA, PARAGRAPH 4.5.

LONGITUDINAL SLOPES ALONG ACCESSIBLE ROUTE SIDEWALKS, EXCEPT AT HANDICAP RAMPS, SHALL NOT BE STEEPER THAN 1:20. CROSS SLOPES ALONG ACCESSIBLE ROUTES SHALL NOT BE STEEPER THAN 1:50. CROSS SLOPES ALONG SIDEWALKS SHALL NOT BE STEEPER THAN 1:50. CROSS SLOPES ALONG SIDEWALKS SHALL NOT BE STEEPER THAN 1:50. CROSS SLOPES ALONG SIDEWALKS SHALL NOT BE STEEPER THAN 1:50.

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

TRAFFIC CONTROL

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

REFERENCE BUBBLES:
DETAIL NUMBER
CROSS-REFERENCE SHEET NUMBER

ABBREVIATIONS

A = AIR	IN = INDUSTRIAL WASTE	UT = UNDERGROUND TELEPHONE LINE
A.B. = ACTIVE BID ITEM	K = RATE OF VERTICAL CURVE	VC = VERTICAL CURVE
AD = AREA DRAIN	LEN = LENGTH	VP = VENT PIPE
A.S. = ALGEBRAIC DIFFERENCE IN SLOPES	LP = LINEAR FEET	W = WATER
AP = ABANDONED IN PLACE	LP = LIGHT POLE	WM = WATER METER
AP = ANALYSIS POINT	LPS = LANDSCAPING	WV = WATER VALVE
BLDG = BUILDING	LT = LEFT	
BM = BENCHMARK	MANHOLE	
BVC = BEGINNING VERTICAL CURVE STATION	NG = NATURAL GRADE	
BVE = BEGINNING VERTICAL CURVE ELEVATION	PB = PULL BOX	
BW = BASE OF WALL	PL = PROPERTY LINE	
C&V = CABLE TV LINE	PC = POINT OF CURVE	
CB = CATCH BASIN	PCB = PORTLAND CEMENT CONCRETE	
CP = CAST IRON PIPE	PJ = POWER POLE	
CR = CURB RETURN	PR = POINT OF REVERSE CURVE	
CMPA = CORRUGATED METAL PIPE ANCH	PT = POINT OF TANGENT	
CO = CLEANOUT	PV = POINT OF VERTICAL INTERSECTION	
CONC = CONCRETE	PVC = POLYVINYL CHLORIDE PIPE	
CL = CHAIN LINK	RCR = REINFORCED CONCRETE PIPE	
DA = DIAMETER	RD = ROAD	
DI = DROP INLET	ROW = RIGHT OF WAY	
DI = DUCTILE IRON PIPE	RT = RIGHT	
E = ELEVATION	S = SLOPE	
ELBY = ELEVATION	SAG = SANITARY SEWER LINE	
ESMT = EASEMENT	SD = STORM DRAIN	
EVS = END VERTICAL CURVE STATION	SP = STEEL PIPE	
EVES = END VERTICAL CURVE ELEVATION	ST = STATION	
EXT = EXISTING	STD = STANDARD	
EB = ELECTRIC BOX	SW = SIDEWALK	
ELBY = ELEVATION	T = TELEPHONE LINE	
FT = FINISHED FLOOR ELEVATION	TA = TOP OF ASPHALT	
FG = FINISHED GRADE	TAC = TOP OF ASPHALT CURB	
FI = FIRE HYDRANT	TC = TOP OF CONCRETE	
FM = FORCE MAIN	TCR = TOP OF CONCRETE CURB	
FW = FLOW LINE	TD = TOP OF DRAINAGE	
FP = FINISHED FLOOR ELEVATION	TF = TOP OF SIDEWALK	
FX = FINISHED FLOOR ELEVATION	TM = TOP OF WALL	
G = GAS	TS = TELEPHONE BOX	
GR = GRADE	TR = TELEPHONE RISER	
DY = GATE VALVE	UB = UNDERGROUND	
HC = HANDICAP	US = UNDERGROUND ELECTRICAL LINE	
HP = HIGH POINT	UN = UNKNOWN	
IR = IRON PIPE		

CIVIL NOTES

CITY OF ALBUQUERQUE

ALBUQUERQUE PUBLIC SCHOOLS
ATRISCO ELEMENTARY SCHOOL
MEDIA CENTER AND COMPUTER LAB
ALBUQUERQUE, NEW MEXICO

DATE: MAY 5, 1998

REVISIONS:

SHEET

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