

GENERAL GRADING NOTES:

- ALL GRADING AND SITE PREPARATION SHALL CONFORM WITH SPECIFICATIONS CONTAINED IN THE GEOTECHNICAL REPORT.
- ALL CONSTRUCTION MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE TO THE COUNTY LATEST CONSTRUCTION SPECIFICATIONS AND DETAILS.
- PRIOR TO ANY EXCAVATION OF THE PROJECT SITE, THE CONTRACTOR SHALL NOTIFY THE COUNTY 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL CAREFULLY PRESERVE BENCHMARKS, REFERENCE POINTS AND STAKES.
- ALL INDICATED ELEVATIONS ARE FINISHED ELEVATIONS.
- FIELD VERIFY LOCATIONS, SIZES AND IF APPLICABLE INVERTS OF EXISTING UTILITIES FOR PROPOSED CONNECTIONS PRIOR TO CONSTRUCTION.
- LOCATE AND PROTECT ALL UTILITIES ASSOCIATED WITH THE PROJECT PRIOR TO CONSTRUCTION.
- INSTALL SILT CONTROL MEASURES BEFORE BEGINNING SITE WORK. THESE MEASURES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
- MAINTAIN PROPER SITE DRAINAGE AT ALL TIMES DURING CONSTRUCTION. PREVENT STORM WATER FROM RUNNING INTO OR STANDING IN EXCAVATED AREAS.
- INSTALL ALL APPROPRIATE TREE PROTECTION MEASURES PRIOR TO GRADING.
- CUT AND FILL SLOPES SHALL HAVE A MAXIMUM SLOPE OF 2:1.
- ALL EXCAVATION SHALL INCLUDE CLEARING, STRIPPING AND STOCKPILING TOPSOIL, REMOVING UNSUITABLE MATERIALS, THE CONSTRUCTION OF EMBANKMENTS, CONSTRUCTION FILLS, AND THE FINAL SHAPING AND TRIMMING TO THE THE LINES AND GRADES SHOWN ON THE PLANS.
- ALL TREES, BRUSH, AND ORGANIC TOPSOIL AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED, UNLESS OTHERWISE SPECIFIED, AND DISPOSED OF AT AN OFF-SITE LOCATION, WITH THE EXCEPTION THAT ENOUGH TOPSOIL SHALL BE RETAINED FOR RESPREAD AND GENERAL LANDSCAPING. AREAS WHICH ARE TO BE FILLED SHALL BE COMPACTED TO A MAXIMUM DENSITY OF 95% AS DETERMINED BY THE MODIFIED AASHTO COMPACTION TEST IN THE PAVED AREAS AND 85% IN THE OTHER AREAS.
- STRIP AND STOCKPILE TOPSOIL. SPREAD FOUR (4) INCHES MINIMUM OF TOPSOIL ON LANDSCAPE AREAS AND REMOVE EXCESS TOPSOIL FROM SITE. PREPARE SUB-GRADE FOR PAVEMENT AND CURBS AND BACKFILL CURBS AFTER CURB CONSTRUCTION.
- PROVIDE SUPPLY OF TOPSOIL FOR LANDSCAPE CONTRACTOR FOR INSTALLATION IN ALL LANDSCAPE ISLANDS.
- PROVIDE AND INSTALL TOPSOIL IN DISTURBED AREAS TO BE GRASSED, TO INCLUDE PAVEMENT SHOULDERS AND DETENTION AREAS.
- ALL EARTHWORK AND BASE COURSE FOR THE PARKING AREA SHALL BE COMPACTED TO A MINIMUM OF 95% MODIFIED LABORATORY DENSITY. CERTIFICATION SAID COMPACTION SHALL BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEER, OR HIS/HER REPRESENTATIVE, PRIOR TO THE PLACEMENT OF THE BASE COURSE MATERIAL. BOTH PROOF ROLLING AND COMPACTION TESTING MUST BE APPROVED AND WITNESSED BY THE ENGINEER OR OWNER REPRESENTATIVE.
- THE PAVEMENT SUBGRADE AND BASE COURSE MATERIAL SHALL BE INSPECTED AND APPROVED BY THE ENGINEER OR OWNER REPRESENTATIVE PRIOR TO CONSTRUCTING THE BASE AND SURFACE COURSES THEREON.
- CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE TO ALL INLETS AND CATCH BASINS. AREAS OF SURFACE PONDING SHALL BE CORRECTED BY CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
- IF AREAS ARE DISTURBED BEYOND PROPOSED GRADES BY NEGLIGENCE OF THE CONTRACTOR, THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY REGRADING OR REPAIR TO MATCH ORIGINAL EXISTING CONDITIONS.
- SHORING SHALL BE DONE AS NECESSARY FOR THE PROTECTION OF THE WORK AND FOR THE SAFETY OF PERSONNEL. SHORING SHALL BE IN ACCORDANCE WITH ALL O.S.H.A AND LOCAL REGULATIONS.
- STRUCTURES FOR STORM SEWERS SHALL BE IN ACCORDANCE WITH THESE IMPROVEMENT PLANS AND THE APPLICABLE STANDARD SPECIFICATIONS. WHERE GRANULAR TRENCH BACKFILL IS REQUIRED AROUND THESE STRUCTURES, THE COST SHALL BE CONSIDERED AS INCIDENTAL AND SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE STRUCTURE.
- CONFIRM INVERTS OF ALL EXISTING STORM INLETS AND SANITARY SEWER MANHOLES BEFORE COMMENCING CONSTRUCTION.
- ALL STORM SEWER LINES 18"-54" DIAMETER ARE TO BE REINFORCED CONCRETE PIPE ACCORDING TO ASTM C-76 TYPE III, UNLESS OTHERWISE SPECIFIED ON PLANS.
- A GEOTEXTILE MATTING (LANDLOCK TRM 450 OR EQUIVALENT) SHALL BE USED FOR EROSION CONTROL AN ALL SLOPES GREATER THAN 3H:1V.
- DRAINAGE STRUCTURES SHALL BE MAINTAINED BY PROPERTY OWNERS.
- CONTRACTOR SHALL ADHERE TO PROPOSED GRADES ALONG CREEKS, ESPECIALLY IN THE AREA OF THE PROPOSED DETENTION POND. IF AREAS ARE DISTURBED BEYOND PROPOSED GRADES BY NEGLIGENCE OF THE CONTRACTOR, THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY PENALTIES INCURRED.
- ALL PROPOSED SPOT ELEVATIONS SHOWN INDICATE FINISHED GRADED ELEVATIONS AT EDGE OF PAVEMENT AND/OR GRADE BREAKS, UNLESS OTHERWISE NOTED.

EXISTING LEGEND:

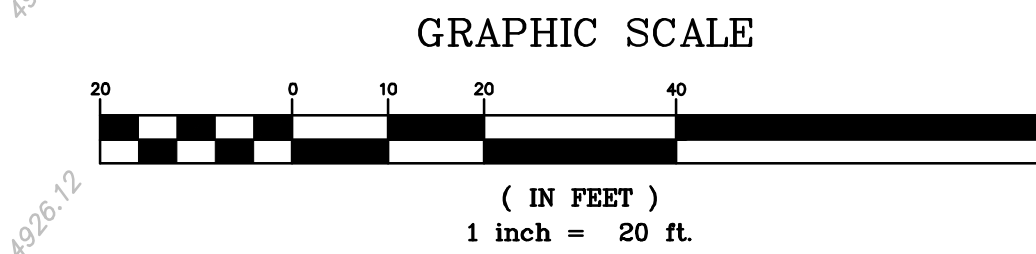
PIPELINE VENT	TELE. PED.	TRAFFIC CONTROL BOX	LIST OF ABBREVIATIONS
GAS METER	ELEC. PEDESTAL	ROAD SIGN	U/G - UNDERGROUND
SIGNAL LIGHT	WATER VALVE	RETAINING	HC - HANDICAPPED
PIPELINE MKRK	POWER POLE	GROUND LIGHT	CONC. - CONCRETE
MAIL BOX	PULL BOX	UTILITY POLE	APPROX. - APPROXIMATE
BUSH	FIRE HYDRANT	GAS VALVE	SAN. - SANITARY
CURB INLET	TREE	PLTR. - PLANTER	ASPH. - ASPHALT
W/ M.H. COVER	STORM SEWER	G/R - GAS REGULATOR	TYP. - TYPICAL
SAN. SEW. M.H.	STORM SEWER	TRANS - TRANSFORMER	PED. - PEDESTAL
GUY WIRE	GUARD POST	F.F. - FINISHED FLOOR	C - CENTER LINE
CLEAN OUT	TV PED	R.O.W - RIGHT-OF-WAY	FGE - FENCE
FLAG POLE	LIGHT POLE	BIA - DIAMETER	BLVD. - BOULEVARD
ELEC. TRANS	MONITOR WELL	B/L - BUILDING SETBACK	LINE
FIBER OPTIC	UNDERGROUND TANK ACCESS	ESMT. - EASEMENT	A/S - AUTO-SPRINKLER
CONCRETE	WATER HYDRANT	DIST. - DISTANCE	BRNG. - BEARING
TRAFFIC DIRECTION	FIRE RISER	W/UGS - WITH UNDERGROUND SERVICE	MW - MONITOR WELL
TR - TOP OF RIM	AUTO SPRINKLER	STAT. - STATUTORY	M - MEASURED
FL - FLOW LINE		P - PLAT DIMENSION	IG - IRON GRATE
		R - RECORD DIMENSION	RD - ROOF DRAIN
		P.O.M. - POINT OF MEASUREMENT	

PROPOSED LEGEND:

PROPERTY LINE	XXXX SW	SIDEWALK ELEVATION
PROPOSED CURB & GUTTER	XXXX FG (E)	FINISHED GRADE (EAST)
PROPOSED CONTOUR	XXXX FG (W)	FINISHED GRADE (WEST)
PROPOSED HDPE STORM SEWER PIPE	XXXX FG (N)	FINISHED GRADE (NORTH)
	XXXX FG (S)	FINISHED GRADE (SOUTH)
	XXXX CC	CANOPY CLEARANCE
	XXXX EX	EXISTING SPOT ELEVATION
	XXXX TC	TOP OF CURB
	XXXX G	GUTTER
		NOTE: ALL PROPOSED SPOT ELEVATIONS HAVE A BASE ELEVATION OF 4900 FEET

GRADING KEY NOTES

- G1A MATCH EXISTING PAVEMENT ELEVATION.
G1B LIMITS OF SAWCUT AND PAVEMENT REMOVAL
G2 STORM SEWER (SEE NOTE FOR TYPE, SIZE AND SLOPE)
G24 CONNECT DOWN SPOUTS UNDERGROUND TO STORM PIPE
G25 CONNECT TO EXISTING STORM DRAIN INLET. (CONTRACTOR TO FIELD VERIFY LOCATION AND ELEVATION)
G27B CURB CUT WITH RIP RAP PAD
G30 CONVERT EXISTING INLET TO GRATE INLET.



PROJECT TEAM

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ISSUE/REVISION RECORD

DATE	DESCRIPTION
11-13-14	BERN. COUNTY 1ST SUBMITTAL
12-15-14	BERN. COUNTY 2ND SUBMITTAL



PROFESSIONAL IN CHARGE
FARMAN SHIR, PE
PROFESSIONAL ENGINEER
LICENSE NO. 21307

PROJECT MANAGER
MARLEY PHILLIPS

QUALITY CONTROL
KIEW KAM, PE
DRAWN BY
KIEW KAM, PE

PROJECT NAME

CIRCLE K

**BERNALILLO COUNTY
NEW MEXICO**

**4400 COORS BLVD. SW
ALBUQUERQUE, NM 87121**



PROJECT NUMBER

20130791

SHEET TITLE

GRADING PLAN

SHEET NUMBER

C-3.0