

CITY OF ALBUQUERQUE



Timothy M. Keller, Mayor

February 13, 2018

J. Graeme Means, P.E.
High Mesa Consulting Group
6010 B Midway Park Blvd NE
Albuquerque, NM, 87109

**RE: General Mills Warehouse Addition
Grading Plan
Engineer's Stamp Date: 01/30/18
Hydrology File: C16D002**

Dear Mr. Means:

PO Box 1293

Based upon the information provided in your submittal received 01/30/2018, the Grading Plan is approved for Building Permit and Foundation Permit.

Albuquerque

Please attach a copy of this approved plan in the construction sets for Building Permit processing. Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

NM 87103

If you have any questions, please contact me at 924-3995 or rbrissette@cabq.gov.

www.cabq.gov

Sincerely,

Renée C. Brissette

Renée C. Brissette, P.E. CFM
Senior Engineer, Hydrology
Planning Department



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 10/2015)

Project Title: _____ **Building Permit #:** _____ **Hydrology File #:** _____

DRB#: _____ **EPC#:** _____ **Work Order#:** _____

Legal Description: _____

City Address: _____

Applicant: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

Other Contact: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

Check all that Apply:

DEPARTMENT:

- ☐ HYDROLOGY/ DRAINAGE
☐ TRAFFIC/ TRANSPORTATION
☐ MS4/ EROSION & SEDIMENT CONTROL

TYPE OF SUBMITTAL:

- ☐ ENGINEER/ARCHITECT CERTIFICATION

☐ CONCEPTUAL G & D PLAN
☐ GRADING PLAN
☐ DRAINAGE MASTER PLAN
☐ DRAINAGE REPORT
☐ CLOMR/LOMR

☐ TRAFFIC CIRCULATION LAYOUT (TCL)
☐ TRAFFIC IMPACT STUDY (TIS)
☐ EROSION & SEDIMENT CONTROL PLAN (ESC)

☐ OTHER (SPECIFY) _____

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

- ☐ BUILDING PERMIT APPROVAL
☐ CERTIFICATE OF OCCUPANCY

☐ PRELIMINARY PLAT APPROVAL
☐ SITE PLAN FOR SUB'D APPROVAL
☐ SITE PLAN FOR BLDG. PERMIT APPROVAL
☐ FINAL PLAT APPROVAL

☐ SIA/ RELEASE OF FINANCIAL GUARANTEE
☐ FOUNDATION PERMIT APPROVAL
☐ GRADING PERMIT APPROVAL
☐ SO-19 APPROVAL
☐ PAVING PERMIT APPROVAL
☐ GRADING/ PAD CERTIFICATION
☐ WORK ORDER APPROVAL
☐ CLOMR/LOMR

PRE-DESIGN MEETING?

_____ OTHER (SPECIFY) _____

IS THIS A RESUBMITTAL?: ☐ Yes ☐ No

DATE SUBMITTED: _____ By: _____



SEAL

PROJECT

GENERAL MILLS
3501 PASEO DEL NORTE N.E.
ALBUQUERQUE, NEW MEXICO

100%
CONSTRUCTION
DRAWINGS

REVISIONS



DRAWN BY S.C.C.
REVIEWED BY GM
DATE 01/30/2018
PROJECT NO 17-0117

DRAWING NAME

GRADING PLAN

SHEET NO

C101

PROJECT BENCHMARK

AGRS 3 1/4" ALUMINUM DISC STAMPED "13-D16 1991", SET
FLUSH IN THE SOUTHWEST CORNER OF THE CONCRETE BRIDGE
ABUTMENT OF PASEO DEL NORTE BLVD. BRIDGE OVER THE NORTH
DIVERSION CHANNEL:
NORTHING 1,518,996.001 (GRID) 1,518,996.001 (GROUND)
EASTING 1,534,181.325 (GRID) 1,534,181.325 (GROUND)
ELEVATION = 5073.471 FEET (NAVD 1988)

TEMPORARY BENCHMARK (T.B.M.) #1

A #5 REBAR WITH CAP STAMPED "HMC CONTROL NMPS 11184"
EAST LIMIT OF THE SITE SURVEY, AS SHOWN ON THIS SHEET.
NORTHING 1520262.509 (GROUND)
EASTING 1533984.767 (GROUND)
ELEVATION = 5041.14 FEET (NAVD 1988)

TEMPORARY BENCHMARK (T.B.M.) #2

A #5 REBAR WITH CAP STAMPED "HMC CONTROL NMPS 11184"
JUST SOUTH OF THE RETAINING POND, AS SHOWN ON THIS SHEET.
NORTHING 1520275.635 (GROUND)
EASTING 1533579.936 (GROUND)
ELEVATION = 5042.52 FEET (NAVD 1988)

TEMPORARY BENCHMARK (T.B.M.) #3

A #5 REBAR WITH CAP STAMPED "HMC CONTROL NMPS 11184"
NORTHWEST OF THE RETAINING POND, AS SHOWN ON THIS SHEET.
NORTHING 1520498.676 (GROUND)
EASTING 153326.343 (GROUND)
ELEVATION = 5040.51 FEET (NAVD 1988)

LEGEND

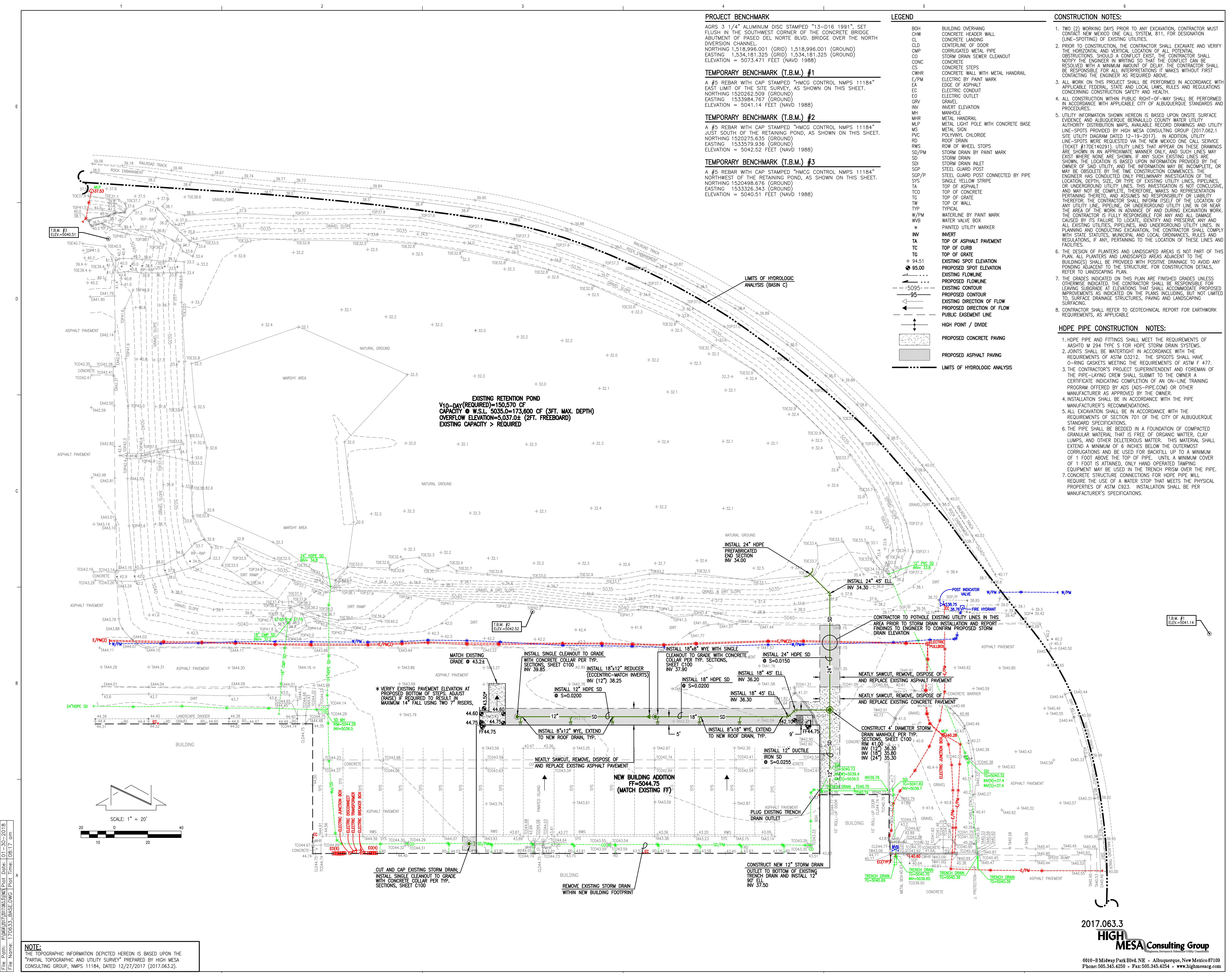
BOH	BUILDING OVERHANG
CWH	CONCRETE HEADER WALL
CL	CONCRETE LANDING
CLD	CENTERLINE OF DOOR
CMP	CORRUGATED METAL PIPE
CO	STORM DRAIN SEWER CLEANOUT
CONC	CONCRETE
CWR	CONCRETE WALL WITH METAL HANDRAIL
E/PM	ELECTRIC BY PAINT MARK
EA	EDGE OF ASPHALT
EC	ELECTRIC CONDUIT
EO	ELECTRIC OUTLET
GRV	GRAVEL
INV	INVERT ELEVATION
MH	MANHOLE
MHR	METAL HANDRAIL
MLP	METAL LIGHT POLE WITH CONCRETE BASE
MS	METAL SIGN
PVC	POLYVINYL CHLORIDE
RD	ROAD
RWS	ROW OF WHEEL STOPS
SD/PM	STORM DRAIN BY PAINT MARK
SD	STORM DRAIN
SDI	STORM DRAIN INLET
SGP	STEEL GUARD POST
SGP/P	STEEL GUARD POST CONNECTED BY PIPE
SYS	SINGLE YELLOW STRIPE
TA	TOP OF ASPHALT
TCO	TOP OF CONCRETE
TG	TOP OF GRADE
TW	TOP OF WALL
TYP	TYPICAL
W/PM	WATERLINE BY PAINT MARK
WVB	WATER VALVE BOX
*	PAINTED UTILITY MARKER
INV	INVERT
TA	TOP OF ASPHALT PAVEMENT
TC	TOP OF CURB
TG	TOP OF GRADE
+ 94.51	EXISTING SPOT ELEVATION
95.00	PROPOSED SPOT ELEVATION
---	EXISTING FLOWLINE
---	PROPOSED FLOWLINE
---	EXISTING CONTOUR
---	PROPOSED CONTOUR
---	EXISTING DIRECTION OF FLOW
---	PROPOSED DIRECTION OF FLOW
---	PUBLIC EASEMENT LINE
---	HIGH POINT / DIVIDE
---	PROPOSED CONCRETE PAVING
---	PROPOSED ASPHALT PAVING
---	LIMITS OF HYDROLOGIC ANALYSIS

CONSTRUCTION NOTES:

1. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, 811, FOR DESIGNATION (LINE-SPOTTING) OF EXISTING UTILITIES.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INTERPRETATIONS IT MAKES WITHOUT FIRST CONTACTING THE ENGINEER AS REQUIRED ABOVE.
3. 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.
4. ALL CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.
5. UTILITY INFORMATION SHOWN HEREON IS BASED UPON ON-SITE SURFACE EVIDENCE AND ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY DISTRIBUTION MAPS, AVAILABLE RECORD DRAWINGS AND UTILITY LINE-SPOTS PROVIDED BY HIGH MESA CONSULTING GROUP (2017.06.1 SITE UTILITY DIAGRAM DATED 12-19-2017). IN ADDITION, UTILITY LINE-SPOTS WERE REQUESTED VIA THE NEW MEXICO ONE CALL SERVICE (TICKET #170E140291). UTILITY LINES THAT APPEAR ON THESE DRAWINGS 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 BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS CONDUCTED ONLY PRELIMINARY INVESTIGATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THIS INVESTIGATION IS NOT CONCLUSIVE, AND MAY NOT BE COMPLETE. THEREFORE, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
6. THE DESIGN OF PLANTERS AND LANDSCAPED AREAS IS NOT PART OF THIS PLAN. ALL PLANTERS AND LANDSCAPED AREAS ADJACENT TO THE BUILDING(S) SHALL BE PROVIDED WITH POSITIVE DRAINAGE TO AVOID ANY PONDING ADJACENT TO THE STRUCTURE. FOR CONSTRUCTION DETAILS, REFER TO LANDSCAPING PLAN.
7. THE GRADES INDICATED ON THIS PLAN ARE FINISHED GRADES UNLESS OTHERWISE INDICATED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LEAVING SUBGRADE AT ELEVATIONS THAT SHALL ACCOMMODATE PROPOSED IMPROVEMENTS AS INDICATED ON THE PLANS INCLUDING, BUT NOT LIMITED TO, SURFACE DRAINAGE STRUCTURES, PAVING AND LANDSCAPING SURFACING.
8. CONTRACTOR SHALL REFER TO GEOTECHNICAL REPORT FOR EARTHWORK REQUIREMENTS, AS APPLICABLE.

HDPE PIPE CONSTRUCTION NOTES:

1. HDPE PIPE AND FITTINGS SHALL MEET THE REQUIREMENTS OF AASHTO M 294 TYPE S FOR HDPE STORM DRAIN SYSTEMS.
2. JOINTS SHALL BE WATERTIGHT IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM D3212. THE SPIGOTS SHALL HAVE O-RING GASKETS MEETING THE REQUIREMENTS OF ASTM F 477.
3. THE CONTRACTOR'S PROJECT SUPERINTENDENT AND FOREMAN OF THE PIPE-LAYING CREW SHALL SUBMIT TO THE OWNER A CERTIFICATE INDICATING COMPLETION OF AN ON-LINE TRAINING PROGRAM OFFERED BY ADS (ADS-PIPE.COM) OR OTHER MANUFACTURER AS APPROVED BY THE OWNER.
4. INSTALLATION SHALL BE IN ACCORDANCE WITH THE PIPE MANUFACTURER'S RECOMMENDATIONS.
5. ALL EXCAVATION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 701 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS.
6. THE PIPE SHALL BE BEDDED IN A FOUNDATION OF COMPACTED GRANULAR MATERIAL THAT IS FREE OF ORGANIC MATTER, CLAY LUMPS, AND OTHER DELTERIOUS MATTER. THIS MATERIAL SHALL EXTEND A MINIMUM OF 6 INCHES BELOW THE OUTERMOST CORRUGATIONS AND BE USED FOR BACKFILL UP TO A MINIMUM OF 1 FOOT ABOVE THE TOP OF PIPE. UNTIL A MINIMUM COVER OF 1 FOOT IS ATTAINED, ONLY HAND OPERATED TAMPING EQUIPMENT MAY BE USED IN THE TRENCH PRIOR OVER THE PIPE.
7. CONCRETE STRUCTURE CONNECTIONS FOR HDPE PIPE WILL REQUIRE THE USE OF A WATER STOP THAT MEETS THE PHYSICAL PROPERTIES OF ASTM C923. INSTALLATION SHALL BE PER MANUFACTURER'S SPECIFICATIONS.



NOTE:
THE TOPOGRAPHIC INFORMATION DEPICTED HEREON IS BASED UPON THE
"PARTIAL TOPOGRAPHIC AND UTILITY SURVEY" PREPARED BY HIGH MESA
CONSULTING GROUP, NMPS 11184, DATED 12/27/2017 (2017.063.2).

2017.063.3
HIGH
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