

CONSTRUCTION NOTES

Governing Specifications:

The Contractor shall abide by all local, state, and federal laws, regulations, and rules which apply to this plan set.

All work detailed on this plan set to be performed under contract shall be performed in accordance with the project specifications unless superseded by notes on plans referring to the *City of Albuquerque Standard Specifications For Public Works Construction, New Mexico Department Of Transportation Standard Specifications For Highway And Bridge Construction (NMDOTSSHBC)*, latest edition, as amended. See **Section 2-3** of the **Contract Bid Specifications** for further details.

Surveying:

The Contractor is responsible for protecting and maintaining all existing survey monumentation controls. Survey monuments disturbed by the Contractor shall be restored at the Contractor's expense by a **Professional Surveyor** licensed to practice in the State of New Mexico. Notify monument owner 48 hours prior to any work around existing monuments.

Construction staking shall include all surveying and control staking necessary to establish the project construction baseline, toe of slope catchpoints, and all other infrastructure designated in the construction plans set as required for construction of the project. Such infrastructure shall include but not be limited to all surfacing, storm drain lines, sewer lines, water lines and service lines.

It shall be the Contractor's sole responsibility to reestablish any missing reference points required for construction of the project infrastructure. All costs incurred in providing such construction staking and surveying work shall be paid as shown in the bid proposal.

Construction Limits And Storage Limits:

The Contractor shall be required to confine his work within the construction limits, designated construction easements on the plan set, and/or right-of-way limits.

Overnight parking of construction equipment shall not obstruct driveways or designated traffic lanes. The Contractor shall not store any equipment or material within the public right-of-way.

Contractor shall park equipment and vehicles so as to not interfere with normal activities of residents or other Contractors on-site.

The Contractor shall not store equipment or material within 20 feet from the edge of the driving lane unless the equipment or material is properly shielded utilizing current safety design and installation methods. The safety design for shielding shall be provided by the Contractor and must be approved by the Engineer before implementing. This work, including design, installation, and removal of the shielding, shall be considered incidental to completion of the project, and no separate measurement or payment will be made therefor.

Agency Coordination / Notification:

The Contractor shall be responsible for acquiring all permits necessary for construction. Permits shall be acquired a minimum of two (2) weeks prior to construction. Contact Bobby Baker or **Project Engineer (848-1500)** for information.

Provide a weekly construction activity schedule to **Bernalillo County Public Works Division**, Attn: **Bernalillo County Project Manager**.

The Contractor shall notify the **Bernalillo County Sheriff's Office** and the **Fire Marshall's Office** in writing when scheduled work will impact emergency vehicle access a minimum of five (5) working days prior to any work within **Bernalillo County** or **City of Albuquerque** right-of-way.

The Contractor shall notify the **Fire Marshall's Office** and the post office in writing a minimum of five (5) working days prior to any work with any **Bernalillo County** or **City of Albuquerque** right-of-way.

The Contractor shall coordinate his construction activities with all other Contractors and utility companies working in the same area. The Contractor may be required to reschedule his activities to allow utility crews to perform their required work. No additional compensation will be allowed for delays or inconvenience caused by utility company work crews.

The Contractor shall coordinate with **Albuquerque Public Schools** and with **ABQ Ride** to accommodate the schedule for all designated bus routes.

The **Fire Department** shall be notified 48 hours in advance by the Contractor whenever a fire hydrant is to be removed or is to be out of service.

The Contractor shall notify the **Water Systems Division (857-8200)** at least seven (7) working days in advance of any work which may affect the existing public water utilities. Existing valves are to be operated by **ABCWUA** personnel only. Contractor shall contact **Water Systems Division** seven (7) working days prior to needing valves opened or closed. Contractor shall maintain water services to all existing users during construction activities and coordinate sequencing of all planned valve closures. Refer to **Section 18 of Standard City of Albuquerque Specifications**. Contractor shall submit a water shut-off plan for review and approval prior to beginning construction activities in applicable areas.

Property Owner Coordination And Notification:

The Contractor shall provide ingress and egress to local businesses and residences for the duration of the project. The Contractor shall advise of and schedule access closures at least 48 hours in advance with property owners and the Engineer.

Special Notices:

Hand-deliver special notices to each residence or business adjacent to the construction area and to others which may be affected by construction activities. Special notices are to inform residents and businesses in writing whenever access, utility services, or other services to their properties may be impaired.

- A. The Contractor shall be responsible for:
 1. Delivery of special notices not more than seven (7) days prior to physical construction that will affect the property.
 2. Corrected notices are to be delivered if construction does not start within 48 hours of date given in notice.
 3. The written notice is to state in both English and Spanish:
 - Contractor's name, address and local telephone number
 - Nature of work to be done and timing of work
 - Time and length of expected disruption
 - Expected duration of construction
 - Contractor's local phone number to which emergency conditions can be reported during normal working hours
 - Contractor's local phone number to which emergency conditions can be reported during non-working periods

During Construction:

At least seven (7) calendar days prior to the installation of each service line, the Contractor shall distribute a written notice to each existing residence or business to be serviced by the line, advising them of the planned service line location and providing a contact name, address and phone number for any comments regarding the plan. The notice will state in both English and Spanish:

1. The address to be served.
2. Sketch with valve pit and service lateral location.
3. Contractor contact information.
4. All mark-up/returned valve pit sketches shall be forwarded to Engineer/Inspector for review prior to final placement of valve pit.
5. If resident does not respond to sketch, it shall be assumed that the valve pit location and/or service line lateral location is acceptable as shown on plan.

Certain existing houses within the project may have mailboxes at the side of the street which require relocation in order to construct the new streets. Contractor shall contact the property owner to allow the

owner to move their mailbox out of the construction area. Should the property owner not remove and replace their mailbox, the Contractor shall perform the relocation. Work will include the relocation of the mailbox from its existing location to the final location behind new edge of pavement only. Contractor shall coordinate mail delivery during construction of the project with the **U.S. Postal Service** so that there is no interruption of mail service. (This may include having to provide temporary mailboxes if necessary.) This work shall be considered incidental to the contract, and no separate payment shall be made therefor.

The Contractor shall coordinate and inform property owner prior to the removal of landscaping and/or other miscellaneous improvements that may be encountered along street right-of-way abutting private property to be removed by the project. The Contractor shall give the property owner opportunity to remove any landscaping that the property owner may desire to remove. The cost for performing this work is incidental to the contract, and no separate payment shall be made therefor.

During construction, the Contractor shall coordinate with solid waste for trash collection in front of properties and move trash bins as necessary. The cost for performing this work is incidental to the contract, and no separate payment shall be made therefor.

Noise and Vibratory Concerns:

The Contractor shall be restricted to the use of a 35-ton non-vibrating roller maximum to obtain the required compaction in embankment and subgrade in urban or other areas where the use of heavier equipment could damage underground utilities or other permanent structures. Restricted areas shall be determined by the **Project Manager**.

Noise suppression devices shall be kept in working order on all equipment in accordance with all federal and state regulations and **City of Albuquerque Ordinances** throughout the course of construction.

Site Maintenance:

All of the following site maintenance work shall be considered incidental to the project, and no separate payment shall be made therefor.

- The Contractor is responsible for removal and disposal of all demolition debris. Salvage of any material shall be identified by the **Bernalillo County Engineer**. Work materials shall be disposed of in **City of Albuquerque/Bernalillo County** approved waste areas secured by and at the expense of the Contractor.
- After backfilling trench and prior to asphalt surfacing, all roads shall be continually maintained, including any watering necessary to control dust in compliance with government ordinances. Contractor shall supply all equipment and materials necessary for providing water.
- The Contractor shall keep the roadway safely passable at all times by draining or pumping flood water as needed.

- The Contractor shall maintain a graffiti-free worksite. The Contractor shall promptly remove any graffiti from all equipment and structures, whether permanent or temporary.
- The Contractor shall be responsible for miscellaneous site preparation and clean-up work required to complete the project.

Damage/Disturbance:

The Contractor is responsible for any damage caused to existing walls, fences, sidewalks, trail surfaces, irrigation lines, landscaping, valve boxes, manholes, etc., during construction and shall repair or replace same at its own expense. The Contractor is responsible for documentation of any existing damage prior to start of construction.

Existing curb and gutter not called out to be removed under the contract which is damaged or displaced by the Contractor shall be removed and replaced by the Contractor at the Contractor's own expense.

The Contractor shall assume responsibility for any damage to existing pavement during construction, apart from those sections indicated for removal on the plans, and shall repair or replace the pavement using **Bernalillo County Standard Drawing 2465**, at its own expense.

The Contractor is responsible for replacing any traffic signs and pavement markings that are damaged or removed.

The Contractor is responsible for repairing or replacing any speed humps that may be damaged during construction, to their original condition. Any pavement markings on speed humps shall be replaced. All of this work shall be done at the Contractor's own expense.

Upon completion of construction, all areas within project limits which are disturbed or are to be revegetated shall be seeded in accordance with **Section 1012 "Native Plant Seeding" of the City of Albuquerque Standard Specifications**, except as modified herein.

Earthwork:

The Contractor shall be responsible for verifying and recording all existing and final grades by cross-sectioning or other means, for the purpose of determining earthwork quantities. These records will be subject to review by the **Project Engineer** for verification of pay quantities.

The earthwork quantities will be based on final volumes compacted in place. On-site excavation and backfill quantity will be based on a shrinkage factor of **XX%**.

All work on this project shall be performed in accordance with applicable federal, state and local laws and rules and regulations concerning safety and health. All excavation, trenching and shoring activities shall be carried out in accordance with **OSHA 29, CFR 1926.650, Subpart P**.

Unless otherwise stated within this plan set, all side slopes shall be 3:1 (horizontal to vertical) maximum, keeping slopes flatter wherever possible. Slopes shall transition smoothly to existing grades in all cases.

The Contractor shall warp slopes where necessary to stay within the right-of-way or construction easement limits.

The design “R” value for this project is **XX**. Material with an “R” value of less than **XX** shall not be placed in, nor allowed to remain within the top two feet of finished grade.

All excavated material that is not required to be reused must be removed within four (4) days of excavation. Spoil piles will be allowed only as approved by the **City of Albuquerque/Bernalillo County** Engineer.

No material pits have been identified for this project. The Contractor may obtain suitable material from any acceptable source, provided that it meets project specifications. All material pit actions shall be in compliance with **Section 205** of the **City of Albuquerque Specifications**. No additional payment shall be made for hauling of such material.

Contractor is responsible for examination of the site and determination of the character and quantity of materials to be encountered. No additional allowances will be made for rock removal, site clearing and grading, filling, compaction, disposal, or removal of any unclassified / unsuitable materials.

All work including but not limited to excavation, hauling, disposing, importing, placement, and compaction of material associated with earthwork considered as unclassified / unsuitable material shall be considered incidental to the Unit Contract Price. No additional payment will be made for this work. If unclassified / unsuitable material is not encountered, the Contractor will not be paid for this bid item. The Contractor shall notify the Owner and Engineer immediately upon discovery of material that may be considered unsuitable prior to beginning any work. Any work completed without the verification of unsuitable material and associated quantity by the Owner and Engineer will be at the sole risk of the Contractor.

Any excess soil material remaining as a result of the water line or other **ABCWUA** infrastructure installation shall be removed and disposed by the Contractor and shall be considered incidental to the bid unit prices. **Bernalillo County** will not be responsible for any additional payment.

General Utility Notes:

All utilities, utility service lines, and storm drain lines shall be installed prior to paving.

Two (2) working days prior to any excavation, Contractor must contact the **New Mexico One Call System, Call: 811 (statewide)** for location of existing utilities.

Prior to construction, the Contractor shall excavate and verify the horizontal and vertical locations of all obstructions. Should a conflict exist between these plans and actual field conditions, the Contractor shall promptly notify the Engineer in writing so that the conflict can be resolved with a minimum amount of delay for all parties.

Pothole data on these plans are for information only and are not provided or intended to relieve the Contractor from responsibility to conduct pothole excavation in advance of construction.

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 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 the existing utility lines, pipelines, or underground utility lines. This investigation is not conclusive, and may not be complete; therefore, the Engineer assumes no responsibility or liability for the results of the investigation. The Contractor shall inform itself of the location of any utility line, pipeline, or underground utility line in or near the area of work in advance of 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, and rules and regulations, if any, pertaining to the location of these lines and facilities.

All utility lines shall be maintained in service. Shoring, sheeting, and other means of support shall be employed by the Contractor to prevent damage or loss of these existing utilities. Beam and cable or other adequate supports shall be used for temporary support of all utility lines. Any damage to existing utilities shall be promptly repaired at the Contractor's expense. The Engineer must be immediately notified of any significant deviation of exposed utilities from the locations shown on the plans so that conflicts can be resolved in a timely manner. No additional compensation shall be rewarded for resolving these conflicts.

For pipeline trench excavation, the Contractor shall comply with the **OSHA Regulations Standard No. 1926**. Trench support and temporary shoring shall be required for protection of life and limb during pipeline construction to satisfy constraints identified in the drawings for limits of disturbance, protection of existing utilities, traffic control, etc., and shall be designed by Contractor in accordance with **OSHA** standards.

Design and construction of all forms, shoring, and temporary bracing shall comply **with 29 CFR 1926**, and these costs shall be considered incidental to the trenching and backfill costs.

Trenching, asphalt cutting, and patching shall conform to **Bernalillo County Standard Drawing 2465**. The Contractor shall contact **Bernalillo County Public Works Division (848-1500)** to request an inspector to verify pavement thickness prior to patching. The Contractor shall utilize flowable fill wherever backfill material cannot be placed and compacted between the new pipe line and existing

utilities or if the vertical separation between the new pipe line and existing utility is less than 12-inches. This cost is incidental to backfill cost.

For trench depths exceeding 20 feet, the Contractor shall submit verification to Engineer that trench support is designed and sealed by a **Professional Engineer** licensed to practice in the State of New Mexico.

Any abandoned utility lines which are exposed as a result of construction shall be removed and disposed of by the Contractor. This work shall be considered incidental to the project.

All water valve boxes and manholes within construction limits are to be adjusted to final grade and will be measured and paid per each.

UTILITY CONTACTS:		
COMPANY	NAME	PHONE #
PNM ELECTRIC		
GAS COMPANY OF NEW MEXICO		
COMCAST		
CENTURYLINK		
AT&T		

Sewer Systems:

Vacuum valve pit and buffer tank locations shown on the plan and profile sheets are approximate and may be adjusted in the field with approval of the Engineer.

Vacuum main locations shown on the plan and profile sheets may be adjusted to accommodate field conditions with the approval of the Engineer.

Plans may not show all fittings and bends required for the installation of all service lines. Additional bends and fittings are considered incidental to the construction of all sewer service lines.

Water Systems:

The Contractor shall adjust all water valve boxes, vault lids, and other appurtenances to finish grade per ***City of Albuquerque Standard Detail 2326.***

The Contractor shall make all water valves and vault lids accessible to the Owner at all times.

If a water service line is damaged, Contractor shall replace from main to meter box without splicing at no additional cost to the Owner.

Electronic marker devices (EMDs) shall be installed on all bends, valves, fittings and tees per **Section 170** of **City of Albuquerque Standard Specifications for Public Works Construction** and manufacturer's recommendations. The Contractor shall provide two (2) EMD locator units.

This cost is considered incidental to the cost of the waterline, and no separate payment shall be made therefor.

The Contractor shall disinfect all piping in accordance with the **City of Albuquerque** and **American Water Works Association (AWWA)** specifications before water systems are put in operation. The Contractor shall submit a testing and disinfection plan for review and approval prior to testing. A backflow preventer and associated valve shall be installed to protect the **ABCWUA** system.

The Contractor may pressure test and disinfect concurrently. **ABCWUA** shall be contacted to inspect and approve the disinfection system.

Bacteriological test will be required in accordance with **City of Albuquerque Specifications**, and the results shall be submitted for review and approval.

Pavement:

When abutting new pavement to the existing intersecting streets, the existing pavement shall be saw cut per **Bernalillo County Standard Drawing 2465** to a straight line at right angles, and any broken or cracked pavement shall be removed. Saw cutting shall be considered incidental to paving; therefore, no direct payment will be made for saw cutting. The Contractor shall contact the **Bernalillo County Public Works Division (848-1500)** to request an inspector to verify pavement thickness. All saw-cut pavement shall have a uniform edge and be sprayed with tack coat. This work shall be considered incidental to paving operations, and no separate measurement or payment will be made therefor.

Finish grades for new pavement shall match existing grades.

Where a profile grade is not provided in the plans, street centerline grades shall be restored by the Contractor to the existing centerline grades. Cross-section the existing road prior to construction at 50' minimum spacing. Minor adjustments to the street grades may be necessary and will be directed by the **Project Manager**. Minor adjustments to street grades will be considered incidental to the paving bid items. Smooth transitions shall be made between existing pavement which remains in place and

pavement which is being replaced. Traffic control devices, including pavement markings, must be restored to the same or better conditions than before construction.

The final surface of the replaced pavement and gutter shall conform to a grade line set by the Contractor such that the pavement and gutter will readily drain and does not vary significantly from adjacent existing grades.

Match flowlines of curb and gutter to existing when connecting new curb and gutter to existing.

When removal of existing curb and gutter or sidewalk is required, remove back to nearest suitable joint unless otherwise noted.

Pavement drop-off policy: If a pavement drop-off is created during construction, the Contractor shall initiate protective action in accordance with the **NMDOT** current drop-off policy. This work shall be considered incidental to the completion of this project, and no separate payment or measurement will be made therefor.

Maximum allowable vertical drop between concrete curb ramps and adjacent street pavement is ¼-inch. Failure to meet this requirement shall necessitate sufficient surface correction to achieve the required tolerance, as approved by the Engineer, at no expense to the contracting agency.

Subgrade preparation under sidewalks and drive pads, and subgrade and subbase preparation under curb and gutter are considered incidental to the construction of such, and no direct payment shall be made for those items of work.

The Contractor will not pave over any surface feature, i.e., gas valve, manhole cover, water valve, etc., without prior approval from the **Project Engineer**.

Reinforced Concrete:

Reinforced concrete structures shall have reinforced steel continuous at all corners.

Dowels shall be provided at all connections of reinforced concrete construction.

Traffic:

The Contractor shall be responsible for implementation and maintenance of all traffic control procedures and for maintaining a traffic control diary in accordance with Section 7 of the contract bid specifications and with construction traffic control notes on Sheet **XX**.

The Contractor shall contact **Bernalillo County Traffic Engineer (848-1575)** before removing and/or installing any traffic signs or permanent striping and markings. All striping and pavement markings including crosswalks, legends, and symbols are to be constructed of intersection grade cold

plastic. Line markings are to be constructed of durable paint in accordance with the **MUTCD**, latest edition. Any pavement markings and signs removed or damaged during construction shall be replaced.

All traffic signs and coding shall be in conformance with the **MUTCD**, latest edition. Coordinate new sign locations with **Project Engineer** prior to installation.

All detours and roadways shall be paved and striped prior to opening any section to traffic.

The Contractor shall coordinate with **NMDOT/City of Albuquerque** for construction barricading and traffic control for any work on **NMDOT/City of Albuquerque** right-of-way.

Incidentals: (Include list of incidentals that are applicable to each specific project.)

MRGCD:

Any work to be performed within the **MRGCD** right-of-way shall be closely coordinated with the **MRGCD Engineering Department** and appropriate field office: Call **(505) 247-0234**.

No work shall be done on facilities or structures belonging to, or operated by, the **MRGCD** between March 1 and October 31, inclusive. However, work may be permitted by the **MRGCD** if it can be shown that the work will not interfere with operations of **MRGCD**. Facilities must be approved by the **MRGCD** Engineer prior to commencing work.

The Contractor shall not store equipment, new materials, or debris within district right-of-way which may interfere with operations and maintenance of the **MRGCD** facility.

The Contractor shall not service vehicles or equipment within the **MRGCD** right-of-way.

Seeding of disturbed areas within the **MRGCD** rights-of-way is required per the **MRGCD Seeding Specification**.

The Contractor shall maintain a minimum cover of three (3) feet over all culvert crossings used for access to the project site.

The Contractor is responsible for repair and or replacement of any structures removed and or damaged due to the Contractor's activities within the **MRGCD's** right-of-way. Should any turnouts, culvert pipes, and/or structures require replacement due to leakage and or damage by the Contractor, new turnouts, new culvert pipes, and/or new structures shall replace the damaged item. Repairs and/or replacements within the district's right-of-way shall comply with the **MRGCD's** specifications.

All damaged culvert crossings and culvert crossings removed and/or disturbed shall be restored and/or replaced to the satisfaction of the **MRGCD** and comply with the **MRGCD** specifications.

All salvageable culverts, irrigation gates, etc., must be returned to **MRGCD**.

The Contractor is responsible for executing a “special use license agreement” with the **MRGCD** prior to construction. No additional compensation shall be provided to the Contractor for this “special use license agreement”.

As-Builts:

The Contractor shall maintain an up-to-date set of as-built plans for the project, promptly recording data, including horizontal and vertical locations for all utility lines and accessories, existing or new, required by the **Bernalillo County** for the preparation of record drawings by the Engineer. Contractor shall not cover utility lines and accessories until all data has been recorded. These plans shall be kept current and at the project site at all times and shall be available to the Owner and Engineer at any time during construction and will be checked by the Engineer for accuracy and completeness once every 30 days. The final as-built plans shall be submitted to the **Project Manager** prior to final payment. The as-built drawings must be certified by the Engineer in responsible charge of the construction inspection. The engineer must be a **Professional Engineer** licensed to practice in the State of New Mexico.

Asbestos Cement Pipe Removal and Disposal:

Description of work: Remove, transport, and dispose of all asbestos cement (AC) pipe in accordance with the project specifications. The work specified herein shall be the removal of all AC pipe, by competent persons, in compliance within all applicable federal, state, and local regulations. The Contractor shall verify the existence and location of the asbestos cement pipeline before proceeding with the work. It shall be the responsibility of the Contractor to make proper arrangements with the authorized agency for the handling, removal, transport, and disposal of all asbestos cement pipe.

Submittals:

Proof, satisfactory to the Engineer, is needed showing that the required permits have been obtained, and that the arrangements for transport and disposal of asbestos containing waste materials have been made. All dump receipts, trip tickets, transportation manifests, or other documentation of disposal shall be delivered to the **Project Engineer** for his/her records. Employ a record-keeping format that utilizes a chain of custody form, which includes the names and addresses of the generator (Owner), Contractor pickup site and disposal site, the estimated quantity of the asbestos waste and type of container, and the disposal site operator, as the responsibility for the material changes hands. If a separate hauler is employed, their name, address, telephone number, and signature must also appear on the form. Each copy of the waste manifest is to be signed by all persons involved in the chain of custody of the asbestos waste.

Measurement and Payment:

The asbestos cement pipe shall be removed, transported, and disposed of by an authorized and registered agency. If the Contractor is not authorized to handle asbestos cement pipe, he/she shall make arrangements with an authorized and registered agency for handling asbestos cement pipe. The payment for removal, transportation, and disposal shall be made on a unit price per linear foot.

Relevant New Mexico Regulations and Office:

New Mexico Solid Waste Management Regulations

Title 20-Chapter 9-Part 1

website address- www.nmenv.state.nm.us

Additional Environmental Notes:

Disposal of unsuitable materials and debris: The Contractor shall notify the **Project Manager** in writing of the details of the disposal operations. Borrow, materials, rock waste, vegetation debris, etc., shall not be placed in wetland areas or areas which may impact endangered species or archaeological resources. An archaeological survey and environmental clearance shall be obtained by the Contractor before disposal sites are accepted in accordance with **Section 107.14** of the **New Mexico State Highway and Transportation Department Standard Specifications For Highway And Bridge Construction**.

Disposal site for all excess excavation material, asphalt paving, concrete paving, curb and gutter, sidewalks, driveways, and other removal items shall be located by the Contractor. All costs incurred in obtaining a disposal site and haul thereto shall be considered incidental to construction, and no direct payment will be made therefor. The disposal site shall be environmentally acceptable and approved by the **Project Manager**. Also, a permitted facility for disposable hazardous waste shall be located and approved by **Project Manager**.

Contractor Activities In The Vicinity Of Waterways:

All work in the vicinity of live streams, water improvements, wetlands, or irrigation supplies shall be affected in such a manner as to minimize vegetation removal, soils disturbances, and erosion. Erosion and crossings of live streams with heavy equipment shall be minimized. As determined by the **Project Manager**, equipment refueling, maintenance, and cement dumping in the vicinity of water crossings is strictly prohibited and shall only be performed in proper containment areas.

The Contractor shall ensure that damage to or removal of vegetation will be kept to a minimum and that no extraneous clearing, grubbing, land disturbance, or excavation will take place. Consistent with the requirements of **NMDOT's Standard Specifications Section 107.28 Protection & Restoration Of Property & Landscaping, Section 201, Clearing & Grubbing, and Subsection 603.32, Contractor's Operations**, the Contractor shall see to it that trees and shrubs

within the right-of-way and along the fence lines are not unnecessarily overrun or damaged by construction equipment. All areas disturbed by the Contractor shall have temporary and permanent erosion control. Measures implemented by the Contractor shall be in accordance with the **New Mexico Water Utility Act** and **Appliance Clean Water Act** permits and regulations. The Contractor shall bear the full cost of implementation of erosion control. Measures and vegetation remediation necessary due to the Contractor's negligence shall be determined by the **Project Manager** and the environmental program manager's representative. This work will be considered incidental to construction, and no measurement or payment will be made.

The Contractor shall be responsible for obtaining any **NPDES** permit during constructing, filling out the **NOI** application, notice of termination application, and fulfilling all other necessary **NPDES** requirements. The Contractor shall also be responsible for the submittal of a pollution prevention plan and inspection reports. These items shall be paid for under the bid item for "**NPDES Storm Water Permitting and SWPPP**".

The Contractor shall properly handle and dispose of all clean asphalt pavement and concrete material to be removed according to the plans. Clean asphalt is classified as fill material and is not subject to the **Solid Waste Management Regulations** of the **New Mexico Environment Department**. Clean is defined as "being free of solid waste or contaminants which have the potential of migrating into surface or ground water". The material shall be covered with two (2) feet of clean earth immediately after disposal. The material cannot be placed in a watercourse, arroyo, or within 10 feet of groundwater. If the asphalt and concrete material is not clean, it is subject to the **Solid Waste Act** and must be placed in an approved landfill. All disposal sites are subject to the approval of the respective landowner and the **Project Manager**.

The Contractor shall be responsible for the reporting and clean-up of spills associated with project construction and shall report and respond to spills of hazardous materials such as gasoline, diesel, motor oils, solvents, chemicals, toxic and corrosive substances, etc., which may be a threat to public health or the environment. The Contractor shall be responsible for reporting discoveries of past spills and of current spills not associated with construction. Reports shall be made immediately to the **New Mexico Environment Department Emergency Response** at **827-9329**. Non-emergencies may be reported to **428-2500**.

USEPA General Notes:

If any threatened or endangered species or their habitats are discovered during construction, work will cease immediately, and **the EPA** will be notified in order that appropriate measures can be taken in accordance with the **Endangered Species Act**.

Construction material and waste products, including machinery leakage, maintenance material, and spills, will be contained and properly disposed of prior to project completion.

If human remains are encountered during construction, appropriate law enforcement authorities will be contacted. The **New Mexico Office of the Medical Examiner** will also be contacted at **(505) 272-3053**.

If cultural materials are discovered during construction, work will cease immediately. The **Environmental Protection Agency (EPA)** and the **New Mexico State Historic Preservation Officer** at **(505) 827-4044**, will be notified of the discovery. **EPA** will proceed in accordance with the regulations of the **Advisory Council on Historic Preservation** prior to taking any action which would affect the cultural resources.

Development Review's Additional General Notes:

(Include as applicable to specific project or development project. Requirements for obtaining permits are included in the boilerplate specifications for **Bernalillo County**.)

The Contractor shall notify the **City of Albuquerque Surveyor** not less than seven (7) days prior to starting work in order that the **City of Albuquerque Surveyor** may take necessary measures to insure the preservation of survey monuments. The Contractor shall not disturb permanent survey monuments without the consent of the **City of Albuquerque Surveyor** and shall notify the **City of Albuquerque Surveyor** and bear the expense of replacing any survey monuments that may be disturbed without permission. Replacement shall be done only by the **City of Albuquerque 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 its own expense, adjust the monument cover to the new grade unless otherwise specified. Refer to Section 4.4 of the **City Of Albuquerque Standard Specifications—Public Works Construction- 1986- Update No. 9**.

When applicable, the Contractor shall secure a **Topsoil Disturbance Permit** from the **City of Albuquerque** and an excavation/construction permit from **Bernalillo County**. An **Excavation/Construction Permit** will be required before beginning any work within **Bernalillo County** right-of-way.

Any pavement disturbed by the trench shall be removed and the full section of pavement shall be replaced. For the pavement beyond that disturbed by the excavated trench, the following applies unless otherwise noted on plans:

If only one lane is disturbed by trenching, the remainder of the one entire lane shall be milled and resurfaced. In a four-lane street, if more than one lane but less than half the street is affected, then the remainder of half the street (two lanes minimum) shall be milled and resurfaced. If more than one-half of any street width is affected, then all paving in the street from curb to curb shall be milled and resurfaced.

NMDOT has jurisdiction over **xxxxx** Blvd. The Contractor shall coordinate all construction work with the **xxxx** Boulevard ROW with **NMDOT** and obtain all necessary permits for said construction work.

Install blue reflective raised pavement markers in the center of roadway to delineate all hydrant locations.

The Contractor shall submit testing reports to **BCPWD** (Attn: **DR Inspector**) for review. The sampling and testing schedule shall comply with plan specifications. The Contractor shall also be responsible to record any changes on the plans and submit detailed as-constructed construction project plans (as-builts) to the Design and/or **Project Engineer**.

Barricading and construction permits must be obtained from **BCPWD (848-1500)** prior to the beginning of any construction efforts.