APPLICATION FOR A REVOCABLE PERMIT/LICENSE TO WORK IN COUNTY RIGHT-OF-WAY

La Plata County Colorado

PUBLIC WORKS - ENGINEERING DEPARTMENT
1365 S. Camino del Rio
Durango, CO 81303
970-382-6363

Email: engineering@co.laplata.co.us

Upon completion of project, call for final inspection 970-382-6378

Applicant Name, Mailing Address, Telephone & Email:

Applicant Signature: _____ Date: _____

Contractor Name, Mailing Address, Telephone & Email:

TYPE OF WORK

Water ☐ Gas ☐ Phone ☐ TV ☐ Cable ☐

Sewer ☐ Electric ☐ Fiber ☐ Other:

LOCATION OF INSTALLATION

BE DESCRIPTIVE! Use parcel numbers (at beginning and end) or addresses from La Plata County GIS mapping

Is your License & Permit Bond on File and up to date?

INSTALLATION

Space below is provided for a simple sketch of the proposed installation. Please attach plans if available. No application will be accepted without a sketch or plans. NOTE: Construction plans and specifications, prepared by a Colorado Registered Engineer may be required by the county Engineer or Inspector. In all cases, plans must comply with adopted County Standards.

ATTENTION APPLICANT: County Inspector has seven (7) working days to process application.

Start Date: _____ Completion Date: _____

FINAL INSPECTION

Permit/License Completed and Approved Date _____

Authorized Signature for County: _____

DO NOT WRITE BELOW - FOR OFFICE USE ONLY

Plans Approved By:	Utility Permit Fee	License Agreement Done?	Utility/ROW Permit Number:	Date Permit/License Issued

UPON COMPLETION OF PROJECT, CALL FOR FINAL INSPECTION 970-382-6378

PUBLIC WORKS – ENGINEERING
1365 S. CAMINO DEL RIO
DURANGO, CO 81303
970-382-6363

FLOW FILL REQUIREMENTS

ENTIRE TRENCH MUST BE FLOW FILLED WITHIN ROAD PRISM WITH A SLURRY MIX MADE IN THE FOLLOWING PROPORTIONS PER CUBIC YARD:

200 LB. CEMENT

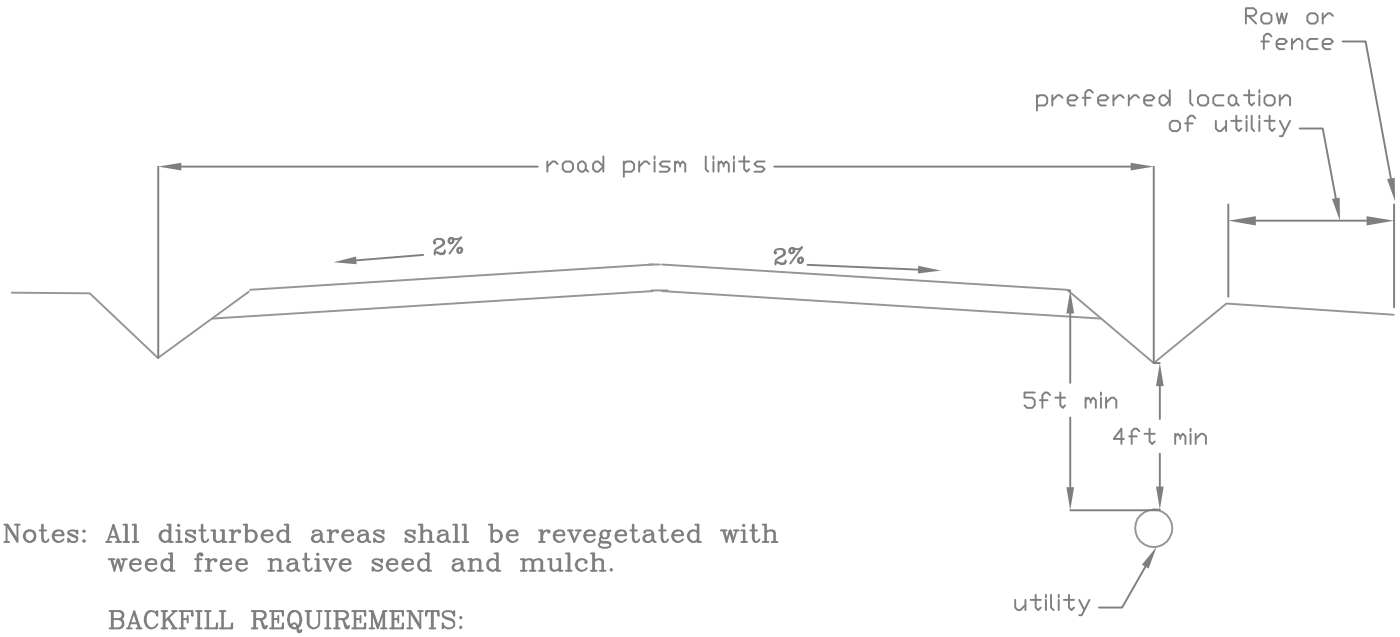
50 LBS. FLY ASH

778 LBS. 3/4 INCH CLEAN GRAVEL

2269 LBS. FINE SAND

50 GALLONS WATER

STANDARDS FOR UTILITIES IN COUNTY ROADS



Notes: All disturbed areas shall be revegetated with weed free native seed and mulch.

BACKFILL REQUIREMENTS:
Within road prism, between bottom of ditches, to within 6in of top surface of road or ditch use flowfill (per CDOT Specification 206.02)
Outside of prism use native material compacted in 8" lifts with all rocks 8 inches in dia. or greater to be removed from site.

ROAD SURFACE:
Limits of resurfacing to be determined by county engineer, and may exend beyond the limits of utility work.
Resurfacing shall consist of 4in of class 6 per CDOT secification 703 obtained from a certified pit, with test results submitted to county engineer prior to placement on roadway.
Existing roadway surfaces that are contaminated shall be regraded and contaminated material removed.

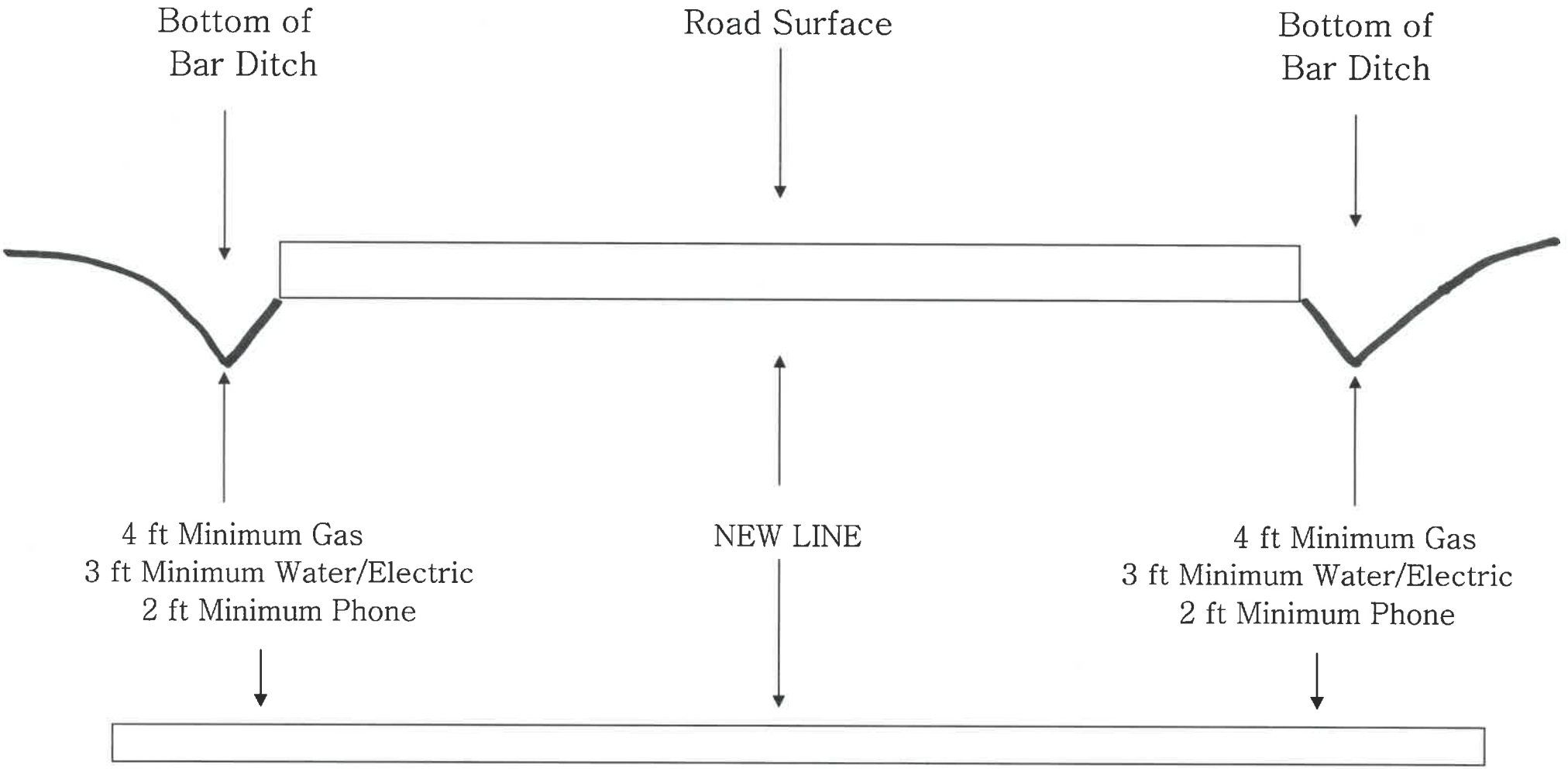
LA PLATA COUNTY

ENGINEERING DIVISION

SCALE: N.T.S.	*UTILITY LINE STANDARDS*
DATE: 03-03-05	
DRAWN BY: MG	
CHECKED: JAD	
FILE NO.	

La Plata County Colorado
PUBLIC WORKS - ENGINEERING
1365 S. CAMINO DEL RIO
DURANGO, CO 81303
970-382-6363

Typical Road Bore

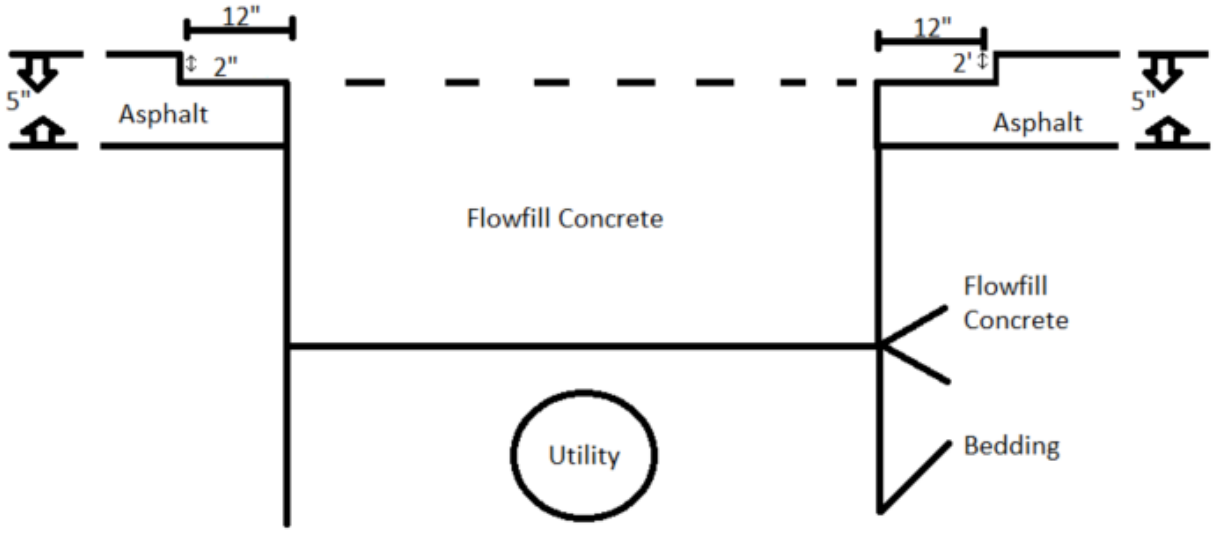


BEFORE ANY ROAD CUT

Contact La Plata County Engineering at 970-382-6378

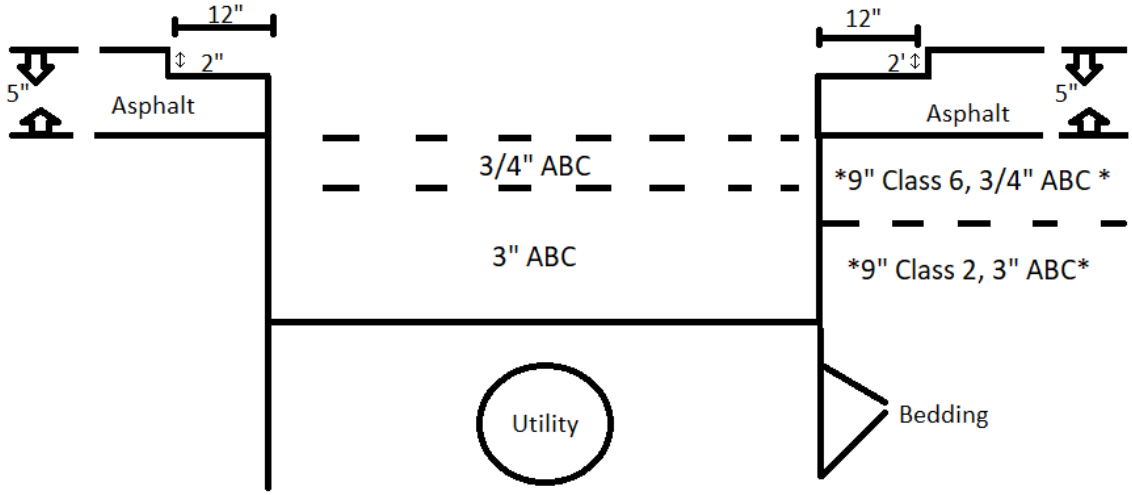
Open Cut Specifications

Flow Fill Specifications



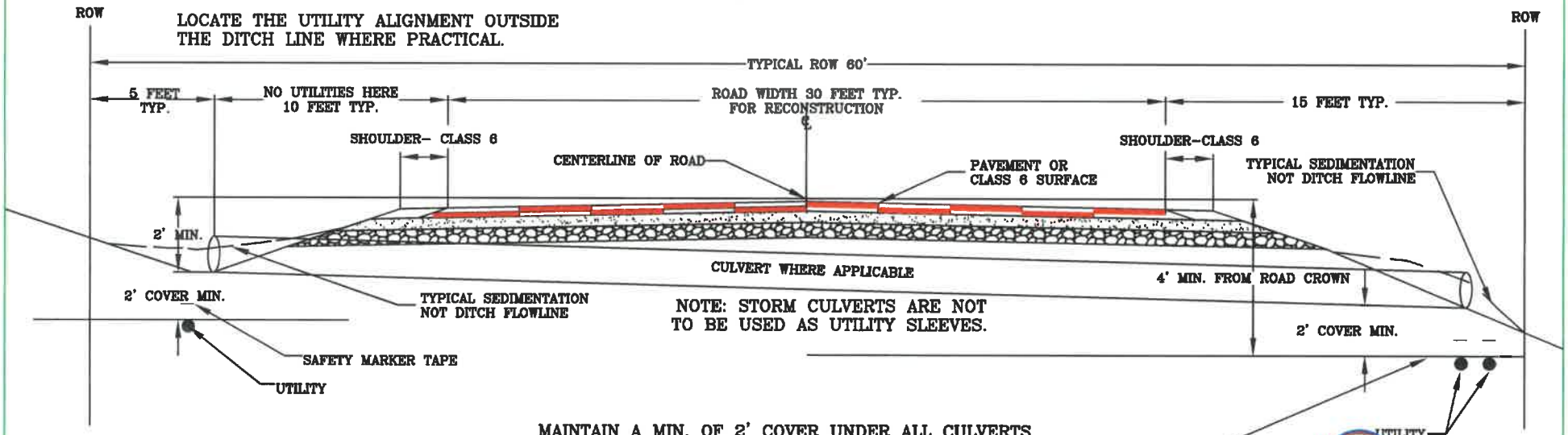
Structural Fill Specifications

Compaction Testing Required



MINIMUM UTILITY BURIAL DEPTH WITHIN COUNTY ROAD RIGHT-OF-WAY

NOTE: UNDERGROUND UTILITIES NOT PROPERLY INSTALLED WILL BE SUBJECT TO REMOVAL AND RE-INSTALLATION. ALL UNDERGROUND UTILITIES SHALL BE INSTALLED WITH SAFETY MARKER TAPE LOCATED NO LESS THAN 12" ABOVE THE UTILITY.



MAINTAIN A MIN. OF 2' COVER UNDER ALL CULVERTS. ROAD SIDE DITCHES ARE SUBJECT TO GRADING TO REMOVE EXCESS SEDIMENTATION. ALL UTILITIES SHALL BE INSTALLED A MINIMUM OF 2' BELOW THE EXISTING DITCH FLOW LINE, BUT IN NO CASE SHALL THEY BE INSTALLED LESS THAN 4' BELOW THE ROAD CROWN. WHEN IN DOUBT AS TO WHAT IS CONSIDERED A SAFE BURIAL DEPTH CONTACT THE LA PLATA COUNTY ENGINEERING DEPARTMENT FOR CLARIFICATION.

NOTE: UTILITIES INSTALLED IN SOLID BEDROCK CAN BE BURIED IN A CUT TRENCH. THE CUT TRENCH SHALL BE A MINIMUM OF 18" DEEP WITH FLOWFILL BACKFILL. SAFETY MARKER TAPE SHALL BE INSTALLED NO LESS THAN 6" ABOVE THE UTILITY, AND WITH NO LESS THAN 2" COVER. THE LOCATION AND DEPTH OF ROCK TRENCH UTILITY INSTALLATIONS SHALL BE APPROVED PRIOR TO CONSTRUCTION, AND INSPECTED PRIOR TO THE PLACEMENT OF FLOWFILL.

LA PLATA COUNTY

ENGINEERING DIVISION

SCALE:	NTS
DATE:	1/24/06
DRAWN BY:	JAD
CHECKED:	JAD
FILE NO.	

TYPICAL UTILITY INSTALLATION IN COUNTY R.O.W.

PUBLIC WORKS - ENGINEERING
1365 S. CAMINO DEL RIO
DURANGO, CO 81303
970-382-6363

TO: All Contractors Operating Within County Road Right-of-Way

SU BJECT: Restoration of Disturbed Areas within the County Right-of-Way and Seed Mixtures

The following specifications will be used for the restoration of all disturbed areas within the County Right-of-Way.

Clearing and Grubbing for Utility Construction:
The Contractor shall perform all activities in such a manner as to minimize environmental impact. Any questionable areas shall be brought to the attention of the County Inspector (or designated representative) for approval prior to removal.

Existing trees and vegetation which do not interfere with the work shall be left in place and protected. The Contractor shall save all existing trees except for those which must be removed to accommodate construction of the project (the "Work" as listed on the License). Removed trees must be cut flush to finished grade. Any damage to trees that are to remain in place must be treated as directed by the County Inspector on a case-by-case basis. All broken limbs (branches) greater than I inch in diameter must be properly trimmed, pruned, and removed as necessary. Stumps and scars on live trees will require coating with an acceptable treatment substance that is marketed specifically for this purpose.

All removed material shall become the property of the Contractor and must be disposed of outside of the project limits (off the project and out of the County R.O.W.), unless otherwise directed or approved by the County Inspector.

Soil Preparation:
Preparatory to seeding, the top four inches of the surface shall be tilled and/or raked, if already loosened, by excavation and brought to the desired line and grade, except where, in the opinion of the County Inspector, seeding follows so closely behind the initial grading as to make special seed bed preparation unnecessary. If rocks and cobbles or other debris are present on the embankment slopes or if the ground is so dry as to prevent good quality seeding, the rocks and cobbles shall be removed by the contractor and the slope graded prior to seeding and mulching.

Slopes 3:I (3 horizontal to I vertical) and flatter – shall be tilled into an even and loose seed bed 4 inches deep. Slopes 3:I or steeper shall be left in a smoothed condition, where possible. Slopes that are to be seeded shall be free of clods, sticks (branches), stones, debris, concrete, and asphalt in excess of 4 inches in any dimension, and brought to the desired line and grade (match existing contour(s)). All ridges, berms, and equipment blade or track and tire marks shall be removed, leaving the seed bed with a smooth even surface prior to seed and mulch application.

Seeding (revegetation)
This Work shall consist of furnishing and application of seed in accordance with these specifications and accepted horticultural practice.

All disturbed areas shall be seeded and mulched. It is recommended that all slopes 3H:IV and flatter shall be seeded by mechanical power drawn drills followed by packer wheels or drag chains. Mechanical power drawn drills shall have depth bands set to maintain a planting depth of at least ¼ inch and shall be set to space the rows not more than 7 inches apart. Seed that is extremely small shall be sowed from a separate hopper adjusted to the proper rate of application. The equipment shall be thoroughly cleaned to the satisfaction of the County Inspector prior to the seeding operation.

Hydraulic seeding may also be used at an application rate of twice the specified rate. Hydraulic seeding shall be done separately and prior to hydro mulching. All water used for hydro seeding and fertilization shall be clean and free from oil, harmful chemicals or other deleterious materials.

For areas of 500 square feet or less, or when requested by the Contractor and approved by the County Inspector in advance, seeding may be accomplished by hand broadcast at twice the rate specified. All seed sown by broadcast-type seeders shall be "raked in" or covered with soil to a depth of at least ¼ inch.

Upon request, the Contractor (or Licensee) shall furnish the County Inspector with seed certifications and analysis, fertilizer analysis and bag weight tickets (including indication of percent pure live seed).

The seed mix shall consist of the following and shall be applied at 35 lbs./acre:

SPECIES	VARIETY	REQUIRED PLS RATE PER ACRE (100%)	% OF SPECIES IN MIXTURE
Smooth Brome	*VNS	13	25%
Orchardgrass	*VNS	4	25%
Crested Wheat	*VNS	6	25%
Pubescent Wheat	*VNS	14	25%

*Variety Not Stated

This mix shall be used on dry land or irrigated sites throughout La Plata County. Seeding may occur in the fall after the soil temperature drops below 45 degrees Fahrenheit. Seeding can continue into winter even over top of 6-18" snow. Early spring seeding should be successful as long as sufficient precipitation follows. Mulching (and crimping where feasible) with native weed free hay or straw shall be performed. Grass establishment will not be successful when followed by hot weather and low precipitation on non-irrigated land. The best time to seed grass is late fall just before snow blankets the seeded area.

Mulching

All disturbed areas shall be seeded and mulched. This work consists of hay/straw mulching the seeded areas, and/or furnishing and applying hydromulch with tackifier on roadway ditches and slopes, and furnishing and placing tackifier on mulch or soil on roadway ditches or slopes. **Mulching may be accomplished by the crimping method using weed free straw or hay, by the hydraulic method using wood cellulose fiber mulch, or by other approved methods with approved materials.**

Areas of 500 square feet or less, or when approved by the County Inspector in advance, may be mulched by spreading weed free straw without crimping. Application shall be sufficient to provide continuous uniform ground cover over the seeded area.

Materials for mulching shall consist of Certified Weed Free field or marsh hay or straw of oats, barley, wheat, rye or triticale, certified under the Colorado Department of Agriculture Weed Free Forage Certification Program and inspected as regulated by the Weed Free Forage Act, Title 35, Article 27.5, CRS. Each certified weed free mulch bale shall be identified by one of the following:

(1) One of the ties binding the bale shall consist of blue and orange twine, or

(2) One of the ties binding the bale shall consist of specially produced galvanized shiny wire, or

(3) The bale shall have a regional Forage Certification Program tag indicating the Regional Forage Certification Program Number.

Mulch may be inspected for and Regionally Certified as weed free based on the Regionally Designated Noxious Weed and Undesirable Plant List for Colorado, Wyoming, Montana, Nebraska, Utah, Idaho, Kansas and South Dakota. The Contractor may obtain a current list of Colorado Weed Free Forage Crop Producers who have completed certification by contacting the Colorado Department of Agriculture, Division of Plant Industry. Straw or hay in a stage of decomposition (discolored, brittle, rotten, or moldy), old, or dry mulch which breaks in the crimping process will not be accepted. Application shall be sufficient to provide continuous uniform ground cover over the seeded area.

The hydromulch material for hydraulic mulching shall consist of virgin wood fibers manufactured expressly from clean whole wood chips. The chips shall be processed in such a manner as to contain no growth or germination inhibiting factors. Fiber shall not be produced from recycled materials such as sawdust, paper, cardboard, or residue from pulp and paper. The wood cellulose fiber mulch shall be dyed green to aid in visual metering during application. The dye shall be biodegradable and not inhibit plant growth. The wood cellulose fibers of the mulch must maintain uniform suspension in water under agitation. Upon application, the mulch material shall form a blotter-like mat covering the ground. This mat shall have the characteristics of moisture absorption and percolation and shall cover and hold seed in contact with the soil. The Contractor shall obtain certifications from suppliers that laboratory and field testing of their product has been accomplished, and that it meets all of the foregoing requirements pertaining to wood cellulose fiber mulch.

The wood cellulose fiber mulch shall conform to the following specifications:
(1) Percent moisture content 10.0% ± 3.0%
(2) Percent Organic Matter* 99.3% ± 0.2%
(Wood Cellulose Fiber)
(3) Percent Ash Content* 0.7% ± 0.2%
(4) pH 4.9 ± 0.5
(5) Water Holding Capacity* **1200-1600 grams
*Oven-Dried Basis
**Per 100 grams of fiber

The wood cellulose fiber mulch shall be packaged in units containing current labels, with the manufacturer's name, the net weight, and certification that the material meets the foregoing requirements for wood cellulose fiber mulch. Material for mulch tackifier shall consist of a free-flowing, noncorrosive powder produced from the natural plant gum of Plantago insularis (Desert Indianwheat), applied in a slurry with water and wood fiber. The powder shall possess the following properties:

(1) Protein content 1.6% ± 0.2%
(2) Ash content 2.7% ± 0.2%
(3) Fiber 4.0% ± 0.4%
(4) pH 1% solution 6.5 - 8.0

The material used for mulch tackifier shall not contain any mineral filler, recycled cellulose fiber, clays, or other substances which may inhibit germination or growth of plants. Water for landscaping shall be free from oil, acids, alkalis, salts, or any substance injurious to plant life.

Wood chip mulch shall consist of fresh, moist pole peelings material having approximate dimensions; Width: ¼ to ½ inch; Length: 3 to 4 inches

Damage to culverts, structures, signs, fences
Ditches – All disturbed ditches will be reestablished and regraded to the proper alignment, grade and slopes. Ditches will be cleaned of clods, sticks, branches, cobble, rocks, concrete and debris.

Culverts and Structures – All culverts and structures which have been filled or damaged during the permitted work will be cleaned and repaired or replaced. Repairs must meet the approval of the County Inspector. Contractor may be required to provide dated photographs or other documentation to determine pre-existing damage.

Fence – All fences, fence corners, gates, anchors, and associated hardware and appurtenances which are disturbed or damaged during execution of the work must be re-aligned, replaced, or repaired as necessary to restore them to their pre-work condition.

Signs – All signs which are removed and/or damaged must be replaced per the MUTCD standards, including the appropriate levels of retro-reflective coatings.

PUBLIC WORKS – ENGINEERING
1365 S. CAMINO DEL RIO
DURANGO, CO 81303
970-382-6363

ATTENTION PERMITTEES!

From: Director of Public Works

RE: Winter Construction & Mud Tracking

County road networks experience significant amounts of damage throughout the year due to weather. In addition, construction activities on and adjacent to the county road can contribute to this damage as well. We ask all contractors to PLEASE check with the Engineering Inspector (970-382-6378) prior to beginning work in the right-of-way, or using unimproved private accesses, which could result in tracking of mud onto county roads. In some cases this may require a STOP WORK ORDER until conditions improve.

COLORADO STATE LAW has provisions to hold a party responsible to repair damage to a county road.
ABSOLUTELY NO WORK shall be performed in the right-of-way when the road is snow-packed or icy unless specifically approved by the Inspector.

It is our goal to maintain the county road in a safe and passable condition and we appreciate your consideration and cooperation in helping with this. Please contact County Engineering at 970-382-6363 to discuss specifics for your project.

Thank you