

TOOELE COUNTY PRE-CONSTRUCTION MEETING

Permit Number: _____	Fees Paid: _____
Plans Approved: _____	UPDES: _____

Roads Department Pre-Construction Packet

Sub-Grade: A deflection test must be performed on sub-grade prior to any fill being placed. Deflection test shall be performed by a third-party Professional Engineer licensed in the state of Utah and must be witnessed by the Tooele County Inspector. Survey stakes must be provided no farther than every 100 feet apart to determine centerline and top back of curb. All areas found to be deflecting shall be identified and repaired per third party Engineers direction as described in the 2017 edition of the APWA section 32 05 10 (3.4).

Sub-Base: Shall be installed per the designed drawings with a 3” minus material. Compaction tests or a deflection test performed by a third-party Professional Engineer can be used to insure proper placement and compaction. Material shall meet the 2017 edition of the APWA section 31.05.13 (2.3).

Road base: 1” minus road base shall be placed in even lifts and compacted at a maximum thickness of 6” if not exceeding manufactures recommendations of compaction equipment. Compaction test must meet 96% by use of a modified proctor. One test shall be taken every 100’ and alternate the center line of road. Material must meet ASHTO M-145 A-1a specifications.

Pavement: Asphalt submittals shall be submitted to the Tooele County Inspector for review in accordance with the 2017 edition of the APWA. Asphalt must be placed in accordance and meet all requirements of the APWA section 32 12 16.13. Compaction testing shall be performed by an independent testing firm and all results shall be supplied to the County Inspector prior to starting warranty period. Testing average shall be between 92% and 96% compaction. At least one compaction test shall be taken every 100’ alternating center line of road. Do not allow compaction to exceed an average of 96%.

Asphalt testing and sampling shall meet all requirements of section 32 12 05 1.6 (B) of the 2017 edition of the APWA manual. All testing results as well as oil certification and daily batch plant report shall be provided in a report to the Inspector before starting warranty period. Mix design shall meet APWA mix design PG 64-22 DM per APWA section 32 12 08 1.3 (a).

Pavement roughness tolerance must be met per APWA section 32 12 16.13 (E) 3.9

Tooele County does not require or allow core testing after asphalt placement for measurement of compacted asphalt thickness.

Trench Backfill: All trench backfill shall be installed per details shown in the drawings. An A1-a material that can be compaction tested shall be used above the pipe zone and each lift shall be tested for compaction at a maximum of 200’ distance between passing test. Compaction shall be achieved prior to starting the next lift in the trench and visual compaction testing is not permitted at any time. Lift

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thickness shall not exceed 8" maximum and must meet the manufactures recommendations of the equipment. The contractor shall notify the County Inspector at least 24 hours in advance of testing any backfill material and a written report per section 31 23 26 3.3 (A.) shall be provided to the Inspector prior to scheduling the deflection test inspection of the sub-grade.

Curb and Gutter and Sidewalk: Concrete mix design shall be 6.5 bag mix and achieve 4000 psi after 28-day strength test. Test shall be performed on first truck and every 50 yards after. If pouring between Oct 15th and April 15th add one bag of cement per yard and achieve 5000 psi after 28-day strength test. Cold weather concrete placement and protection shall meet the requirements of ACI 306. Expansion shall be placed at the PC and the PT for curb and gutter. If hand forming, expansion shall be placed in 50' intervals. Expansion shall be placed at 60' intervals for sidewalk. Placement, finishing and protection shall meet requirements set forth in APWA section 32 16 13.

Street Signs: All signs shall be a minimum of High Intensity Prismatic (HIP) reflective sheeting with matching components. A sticker shall be placed on the back of the sign detailing when the sign was made and by what company. Manufactures warranty is seven years on sheeting. All warning and regulatory signs shall meet MUTCD requirement based on speed of road. Street name/address signs shall be placed on 30" x 8" blanks and must not exceed 14 characters in length. Address sign letters shall be a minimum of 4" in height and 6" if possible. Follow 2A-2 of the MUTCD for minimum sign heights and offsets. Signs shall be placed on Telespar post with Telespar anchors at 30" depth. Slip base anchor and pole shall be installed when signs combined with more than 1296 square inches are placed on one pole.

Storm Drain: Culverts for driveway crossing where swells exist is a minimum of 15" pipe and maximum of 30' in length unless otherwise noted on the drawings and approved by the Tooele County Engineer. Any pipe placed in County ROW shall meet manufactures recommendations of cover from finish grade, be designed by Professional Engineer and approved by Tooele County.

After construction and prior to starting the warranty period the developer shall survey all drainage swells and provide as-built drawings showing that drainage swells match the approved plans.

Manholes & Valve Collars: Manhole collars shall be Installed according to the 2017 edition APWA plan #362 and valve collars shall be installed per plan #574. The edge of the concrete collar cannot be within 2 feet of the edge of the asphalt T-Patch. The contractor shall contact the County Inspector at least 24 hours in advance of concrete installation.

Utility installation: Various utility companies regulate the specifications throughout Tooele County. It is the responsibility of the Developer to contact and coordinate all utility installation. Any private or public utility placed in Tooele County property shall first receive written approval by County Commission. Future use conduits should be placed at intersections to avoid future road cuts.

SWPPP: All developments shall comply with the EPA and DWQ's Storm Water Pollution Prevention Plan. The Notice of intent, engineered drawing, inspections and construction site contact information shall be posted on a sign near the main entrance. The contractor shall schedule an Inspection at least 24 hours in advance with the County Inspector prior to starting any earth work.