



1. SELECT FILL SHALL BE PLACED IN LOOSE LIFTS NOT EXCEEDING 9-INCHES (COMPACTED THICKNESS OF 6-7 INCHES), AT A MOISTURE CONTENT NEAR THE OPTIMUM MOISTURE CONTENT FOR THE MATERIAL.
2. SELECT FILL SHALL BE COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR DENSITY FOR THE MATERIAL. (STANDARD PROCTOR SHALL BE DETERMINED BY AN APPROVED SOILS TESTING PROVIDER, AND SUBMITTED TO THE ENGINEER FOR APPROVAL BEFORE CONSTRUCTION BEGINS).
3. SELECT FILL SHALL BE PLACED IN LIFTS OF LESS THAN 45 AND HAVE LESS THAN 35% PASSING THE #200 SIEVE.
4. DENSITY AND MOISTURE CONTENT SHALL BE PERFORMED ON EVERY LIFT, AND EVERY 10,000 SQUARE FEET IN FILL AND PAVING AREAS. EXCEPT 2500 SQUARE- FEET WITHIN BUILDING AND OUTDOOR COMPOUND AREAS.

UNDERGROUND STORMWATER PIPE UNDER PAVED AREAS SHALL BE
BACKFILLED FULL DEPTH WITH AHTD CLASS 7 BASE MATERIAL.

CONTRACTOR MAY CONSIDER SEEDED EROSION CONTROL
BLANKETS FOR STABILIZATION

GENERAL:

- CONTRACTOR SHALL INSTALL/USE ALL REQUIRED EQUIPMENT SO AS TO COMPLY WITH ALL SAFETY STANDARDS DICTATED BY OSHA, FEDERAL, STATE, AND LOCAL REGULATION.
- CONTRACTOR SHALL COORDINATE WITH APPROPRIATE UTILITY COMPANY AS LISTED ON THE COVER SHEET FOR ADJUSTMENT OF UTILITY LINES AFFECTED BY CUT AND FILL.
- AREAS TO BE GRADED SHALL BE CLEARED AND GRUBBED SO AS TO REMOVE ALL ORGANIC MATERIAL INCLUDING BUT NOT LIMITED TO TREES, BRUSH, STUMPS, AND OTHER MATERIALS THAT WOULD AFFECT THE STABILITY OF THE FILL. IF UNCERTAINTY EXISTS AS TO THE SUITABILITY OF AN MATERIAL, THE CONTRACTOR SHALL HAVE A REGISTERED GEOTECHNICAL ENGINEER MAKE THE FINAL DETERMINATION.
- CONTRACTOR SHALL ENSURE THAT THE MATERIAL BE FREE OF ORGANIC MATERIAL, FROZEN MATERIALS, MUCK, ROCK, STONE, WOOD, RAILROAD TIES, ROOTS, LIMB, TWIG, BRUSH, STUMPS, BUILDING DEBRIS, AND OTHER MATERIALS THAT WOULD NEGATIVELY AFFECT THE FILL.
- CONTRACTOR SHALL STOCK PILE AND MAINTAIN ALL GOOD TOP SOIL REMOVED FROM AREAS TO BE GRADED AND FILLED FOR USE IN FINAL GRADING ALL CRITICAL / UNPAVED AREAS.
- CONTRACTOR SHALL PROOF ROLL SUBGRADE OF ALL AREAS TO BE PAVED PRIOR TO INSTALLATION OF PAVING MATERIALS. ALL SOFT AREAS SHALL BE REMOVED AND REPLACED WITH SEWEL STABILIZED AND COMPACTED FILL IN THE PAVEMENT SECTION SHOWN ON THE DETAIL SHEET.
- CONTRACTOR HAS THE OPTION TO BID EITHER RCP, CMP, HOPE, OR FOR STRAIGHT CULVERTS THE WORD "PIPE" IS INDICATED, UNLESS OTHERWISE CALLED OUT.
- DESIGN OF UNDERGROUND STORM WATER SYSTEM IS BASED ON TYPE OF PVEP RCP, POLYETHYLENE ULTRA FLOW PIPE OF 24" AND A MANNING ROUGHNESS COEFFICIENT OF 0.013 HAS BEEN ASSUMED FOR ALL PURPOSES. IF A CONTRACTOR PROPOSES USE OF CMP, ENGINEER SHALL BE NOTIFIED BEFORE CONSTRUCTION OF UNDERGROUND STORM WATER SYSTEM TO CONFIRM APPROPRIATE PERFORMANCE.
- PRIOR TO INSTALLATION OF STORM OR SANITARY SEWER, THE CONTRACTOR SHALL EXCAVATE, VERIFY AND REPAIR ALL CRACKS AND DEFECTS IN EXISTING STORM AND ENGINEER OF ANY CONFLICTS PRIOR CONSTRUCTION.

PRE-CONSTRUCTION:

- PRIOR TO START OF SITE GRADING, EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE TO THE EROSION CONTROL PLAN. THESE EROSION CONTROL MEASURES SHALL BE A MINIMUM SHALL INCLUDE CONSTRUCTION FENCING, TEMPORARY SEDIMENTATION TEMPORARY CONSTRUCTION ENTRANCE, AND ANY OTHER MEASURES NECESSARY TO ENSURE THAT SEDIMENT DOES NOT LEAVE THE SITE.
- PRIOR TO START OF SITE GRADING, CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITY COMPANIES AND THE STATE ONE-CALL SYSTEM A MINIMUM OF 48 HOURS PRIOR TO BEGINNING FOR ANY UTILITIES TO BE LOCATED. ANY UTILITY LINES THAT WILL BE AFFECTED BY THIS DEVELOPMENT, PLEASE NOTE THAT EXISTING UTILITIES NOTED ON PLAN HAVE BEEN LOCATED WITH ALL AVAILABLE INFORMATION. THE EXACT LOCATION OF UTILITY LINES MAY NOT BE ACCURATE.
- A PRE-CONSTRUCTION MEETING SHALL BE HELD ON SITE. ONCE ALL EROSION CONTROL MEASURES HAVE BEEN INSTALLED AND PRIOR TO ANY SITE GRADING, CONSTRUCTION / DEMOLITION.

FLOOD ZONE CERTIFICATION:

NO PORTION OF THIS PROPERTY IS LOCATED WITHIN ANY ESTABLISHED 100-YEAR FLOODPLAIN, AS DETERMINED BY THE NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP FOR WASHINGTON COUNTY, ARKANSAS AND INCORPORATED AREAS.

MAP NUMBER: 05143C0065F
EFFECTIVE DATE: MAY 16, 2008

NOTE:

FINISHED FLOOR ELEVATION (FFE) IS THE ELEVATION TO THE TOP OF SLAB

FINISHED GRADE (FG) AS INDICATED ON THESE PLANS IS THE ELEVATION AS MEASURED TO THE TOP OF THE FINISHED SURFACE, BE THAT THE SODDED SURFACE, SEEDDED SURFACE OR HARD SURFACE PAVING.

WETLAND CERTIFICATION:

NO PORTION OF THIS PROPERTY IS LOCATED WITHIN DESIGNATED WATERS OF THE UNITED STATES OR WETLANDS REQUIRING PERMITTING THROUGH THE U.S. CORPS OF ENGINEERS.

**damage prevention
is no accident**



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[illegible]

PROJECT: CASALINI COMMERCIAL RETAIL

TONTITOWN, ARKANSAS

GRADING PLAN

CITY: TONTITOWN

COUNTY: WASHINGTON

STATE: ARKANSAS

ID #: REV 0

PROJECT N°: 1044

SUBMITTAL DATE: 02-03-2015

DRAWING NAME:

1044proj

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SHEET №: C3