

- Sanitary Sewer Information**
- 1 San. Sewer Manhole Rim 920.52 Sheet 522.47 CL Inv. 921.82
 - 2 San. Sewer Manhole Rim 922.28 Sheet 523.38 CL Inv. 925.92
 - 3 San. Sewer Manhole Rim 923.19 Sheet 527.79 CL Inv. 927.15
 - 4 San. Sewer Manhole Rim 923.46 Sheet 528.90 CL Inv. 927.15
 - 5 San. Sewer Manhole Rim 925.09 Sheet 531.59 CL Inv. 930.89
 - 6 San. Sewer Manhole Rim 925.34 Sheet 535.74 CL Inv. 934.74
 - 7 San. Sewer Manhole Not Accessible
 - 8 San. Sewer Manhole Rim 940.67 Sheet 940.62 CL Inv. 940.27
- Storm Sewer Information**
- A Catch Basin Grate 932.14 Inv. In 927.05 (W) Inv. In 926.36 (E) Inv. Out 926.09
 - B Catch Basin Grate 932.96 Near Accessible Bottom Box 926.95
 - C Catch Basin Grate 940.85 Inv. Out 937.01
 - D Grate Inlet Grate 933.74
 - E Grate Inlet Grate 934.27 Inv. In 931.99 (E) Inv. In 932.03 (S) Inv. Out 931.95
 - F Grate Inlet Grate 932.26 Inv. In 927.96 (SE) Inv. In 929.89 (S) Inv. Out 927.92
 - G Catch Basin Grate 932.19 Inv. In Not Accessible Inv. Bottom Box 927.29 Inv. Out 927.14
 - H Catch Basin Grate 932.01 Inv. In 926.25 Inv. Out 926.23
 - I Grate Inlet Grate 933.43 Inv. In 931.58 (SE) Inv. In 931.69 (S) Inv. Out 931.43
 - J Grate Inlet Grate 935.00 Inv. Out 932.44
 - K Slab Top Throat 937.18 Not Accessible Bottom Box 33.19s
 - L Grate Inlet Grate 940.73 Inv. In 935.19 Inv. Out 935.19
 - M Slab Top Throat 941.16 Inv. In 937.70 (E) Inv. In 938.17 (S) Inv. Out 937.47
 - N Slab Top Grate 942.77 Inv. In 938.69 Inv. Out 939.46
 - O Catch Basin Grate 940.93 Inv. In 940.26 Inv. Out 940.19

U.S. HIGHWAY 52
(7' Public R/W)

E. Twenty Ninth Street
(60' Public R/W)

Liberty Street
(R/W Varies)

Brookwood Business Park Drive
(R/W Varies)

Order Plans @

GENERAL DEMOLITION NOTES

1. TOTAL SITE AREA = 1.92 ACRES
2. TOTAL DISTURBED AREA (BOTH PHASES) = 1.7 AC (3,585 SF)
3. ALL UTILITIES OR STRUCTURES NOT DESIGNATED FOR REMOVAL OR MODIFICATION ARE TO REMAIN AND BE PROTECTED. ALL UTILITIES OR STRUCTURES DESIGNATED FOR MODIFICATION SHALL BE PROTECTED BY THE CONTRACTOR DURING CONSTRUCTION.
4. COORDINATE SHUTDOWN OF EXISTING UTILITIES WITH OWNER. PROVIDE 48 HOUR NOTICE TO OWNER PRIOR TO DISRUPTION OF UTILITY SERVICES. PROVIDE TEMPORARY OR PERMANENT TERMINATION OF UTILITY SERVICES UTILIZING WATER-TIGHT MECHANICAL JOINT PLUGS, CAPS OR SEALS.
5. THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES IS APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL UNLOCATED UNDERGROUND UTILITIES AND PROPOSED UTILITY CROSSINGS. THE CONTRACTOR SHALL EXERCISE REASONABLE EFFORTS TO PROTECT ANY UNKNOWN UNDERGROUND UTILITIES. NOTIFY ENGINEER IMMEDIATELY IF ANY ELEMENTS ARE DISCOVERED THAT WOULD NECESSITATE DESIGN REVISIONS.
6. CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN. ENSURE SAFE PASSAGE OF PEOPLE AROUND DEMOLITION AREA. PROTECT EXISTING SITE IMPROVEMENTS, APPURTENANCES AND LANDSCAPING TO REMAIN.
7. USE WATER MIST, TEMPORARY ENCLOSURES AND OTHER SUITABLE METHODS TO LIMIT THE SPREAD OF DUST AND DIRT. COMPLY WITH GOVERNING ENVIRONMENTAL PROTECTION REGULATIONS. DO NOT CREATE HAZARDOUS OR DISRUPTIVE CONDITIONS, SUCH AS ICE, FLOODING AND POLLUTION, WHEN WASHING, REMOVING AND TRANSPORTING DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS.
8. CONTRACTOR SHALL REMOVE AND LEGALLY DISPOSE OF DEMOLISHED ITEMS AND MATERIALS PROMPTLY. ON-SITE STORAGE OR SALE OF REMOVED ITEMS IS PROHIBITED. ON-SITE BURNING OF DEMOLISHED MATERIALS WILL NOT BE ALLOWED.
9. SALVAGEABLE FILL MATERIALS FROM SITE DEMOLITION DETERMINED ACCEPTABLE BY AN INDEPENDENT SOILS TESTING LABORATORY MAY BE UTILIZED FOR FILL MATERIAL WHERE APPROPRIATE.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL ILLUSTRATED UNDERGROUND UTILITIES. THE CONTRACTOR SHALL EXERCISE REASONABLE EFFORTS TO PROTECT ANY UNKNOWN UNDERGROUND UTILITIES. NOTIFY ENGINEER IMMEDIATELY IF ANY ELEMENTS ARE DISCOVERED THAT WOULD NECESSITATE A REVISION TO THE DESIGN.
11. A CITY OF WINSTON-SALEM INSPECTOR SHALL BE PRESENT WHEN TERMINATING WATER AND SEWER CONNECTIONS. ALL CONSTRUCTION MATERIALS AND SANITATION PROCEDURES SHALL MEET OR EXCEED THE REQUIREMENTS OF THE NORTH CAROLINA PLUMBING CODE AND THE CITY OF WINSTON-SALEM STANDARDS, SPECIFICATIONS AND DETAILS.
12. NO SIGNAGE SHALL BE REMOVED TEMPORARILY OR PERMANENTLY FROM THE MIDDLE RIGHT-OF-WAY. SIGNAGE SHALL BE PROTECTED DURING ALL CONSTRUCTION ACTIVITIES. ANY SIGNAGE DAMAGE DURING CONSTRUCTION SHALL BE REPAIR OR REPLACED AT CONTRACTOR'S EXPENSE.
13. ALL EXISTING TREES NOT DESIGNATED FOR REMOVAL SHALL REMAIN AND BE PROTECTED DURING ALL CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL PROVIDE TREE PROTECTION FENCING TO PROTECT EXISTING ROOT SYSTEM AND CANOPY BY SETTING FENCING BACK ONE FOOT RADIUS FOR EACH INCH OF DIAMETER OF TREE.
14. ALL POWER POLES, GUY WIRES AND OVERHEAD LINES NOT DESIGNATED FOR REMOVAL SHALL REMAIN AND BE PROTECTED DURING ALL CONSTRUCTION ACTIVITIES.

KEY NOTES

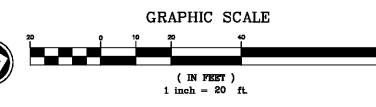
- (A) TEMPORARY SEDIMENT FENCE
- (B) TEMPORARY SEDIMENT FENCE WITH STONE STABILIZATION
- (C) TEMPORARY WIRE AND STONE DRAIN INLET FILTER
- (D) EXISTING FENCE, GATE AND GATE M/TDR TO BE REMOVED
- (E) EXISTING DIESEL TANK, PUMP, FILTER AND ASSOCIATED TIMBERS TO BE REMOVED
- (F) EXISTING GAS METER AND ASSOCIATED GAS LINE TO BE REMOVED COORDINATE WITH PIEDMONT NATURAL GAS
- (G) EXISTING CURB TO BE REMOVED
- (H) EXISTING WATER METER AND SERVICE TO BE REMOVED BACK TO THE MAIN. SAW CUT PAVEMENT TO PROVIDE STRAIGHT AND UNIFORM LINE FOR REMOVAL. PROVIDE PAVEMENT PATCH CONSISTING OF 1" 80-50 SURFACE COURSE OF 3" 110-20 BINDER COURSE ON 4" COMPACTED A-B BASE COURSE.
- (I) EXISTING SEWER SERVICE, LIFT STATION AND POWER BOX TO BE REMOVED
- (J) EXISTING ELECTRICAL MECHANICAL EQUIPMENT ASSOCIATED WITH EXISTING BUILDING TO BE REMOVED
- (K) EXISTING HOLLARS TO BE REMOVED
- (L) TEMPORARY CONSTRUCTION ENTRANCE/EXIT
- (M) MAINTAIN PHASE 1 PERIMETER SILT FENCE PROTECTION AND INLET PROTECTION UNTIL DISTURBED AREAS ARE STABILIZED
- (N) EXISTING CONCRETE/PAVEMENT TO BE REMOVED. SAW CUT EXISTING PAVEMENT TO PROVIDE STRAIGHT AND UNIFORM LINE FOR REMOVAL
- (O) EXISTING BUILDING TO BE DEMOLISHED/RAZED. EXISTING FOUNDATION SHALL BE COMPLETELY REMOVED
- (P) EXISTING TREES (INCLUDING STUMPS) TO BE REMOVED
- (Q) TEMPORARY CHAIN LINK FENCE AROUND CONSTRUCTION ZONE. LIMITS MAY BE ADJUSTED. COORDINATE WITH OWNER

GENERAL GRADING NOTES

1. CUT SLOPES SHALL BE A MAXIMUM OF 2:1 UNLESS OTHERWISE SHOWN. FILL SLOPES SHALL BE A MAXIMUM OF 3:1 UNLESS OTHERWISE SHOWN.
2. SPILL TIE CURB AND GUTTER SHALL BE PROVIDED WHERE REQUIRED TO ACHIEVE POSITIVE DRAINAGE AWAY FROM THE FACE OF CURB. CURB AND GUTTER CONTRACTOR SHALL REVIEW STRING LINES PRIOR TO CURB AND GUTTER PLACEMENT TO ENSURE ADEQUATE DRAINAGE IN SPILL AREAS AND AROUND ALL HOLES.
3. CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL EROSION CONTROL REQUIREMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING EROSION CONTROL PLAN APPROVAL FOR OFF-SITE BORROW OR WASTE SOURCES.
4. TOTAL SITE AREA = 1.92 ACRES
5. PHASE 2 DISTURBED AREA = 0.49 AC (21,443 SF). INCLUDES MINOR OVERLAP (604 SF)
6. REMOVE VEGETATION, TOPSOIL, DEBRIS, UNSUITABLE FACTORY SOIL MATERIALS, OBSTRUCTIONS, AND DESTRUCTIVE MATERIALS FROM GROUND SURFACE PRIOR TO PLACING AND FINISHING. BENCH OR BREAK UP SLOPES SURFACES STEEPER THAN 1:1 VERTICAL TO 4 HORIZONTAL. SO FILL MATERIAL WILL SEND WITH EXISTING MATERIAL. PLACE AND COMPACT FILL MATERIAL IN LAYERS TO REQUIRED ELEVATIONS.
7. PLACE BACKFILL AND FILL MATERIALS IN 6" LIFTS. REFER TO SHEET C3 FOR COMPACTION REQUIREMENTS.
8. UNIFORMLY GRADE AREAS TO A SMOOTH SURFACE. FREE FROM IRREGULAR SURFACE CHANGES. MEET COMPACTION REQUIREMENTS AND GRADE TO CROSS SECTIONS, LINES, AND ELEVATIONS INDICATED PROVIDE A SMOOTH TRANSITION BETWEEN ADJACENT EXISTING GRADES AND NEW GRADES. SLOPE GRADINGS TO DIRECT WATER AWAY FROM BUILDINGS AND TO PREVENT PONDING.
9. TOPSOIL AND OTHER UNSUITABLE MATERIALS MAY BE WASTED IN AREAS AS DIRECTED BY THE GEOTECHNICAL ENGINEER AND AS APPROVED BY THE OWNER. GRADING CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND OFF-SITE DISPOSAL OF EXCESS TOPSOIL AND OTHER UNSUITABLE MATERIAL.
10. REMOVE EXISTING TREES ONLY AS REQUIRED FOR PROPOSED GRADES. GRADES MAY BE ADJUSTED IN AREAS TO SAVE SPECIMEN TREES. REVIEW AND COORDINATE REMOVAL OF TREES WITH DEVELOPER/OWNER.
11. BOUNDARY, LOCATION AND TOPOGRAPHIC SURVEY INFORMATION WAS PROVIDED FROM A SURVEY COMPLETED BY ALLIED AND SURVEYING, P.A. EXISTING CONTOURS ARE SHOWN AT 1' INTERVALS. PROPOSED CONTOURS ARE SHOWN AT 1' INTERVALS.
12. CONSTRUCTION STAKEOUT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR

EROSION CONTROL MAINTENANCE PLAN

1. INSPECT ALL SEDIMENTATION AND EROSION CONTROL DEVICES FOR STABILITY AND FUNCTIONALITY EXCESS APPROXIMATELY 8:00 AM. REPAIR AND REPLACE SILT FENCES AS NECESSARY.
2. REMOVE ALL SEDIMENT FROM TEMPORARY DEVICES WHEN ACCUMULATED VOLUME HAS REACHED 50% CAPACITY.
3. REMOVE ACCUMULATED SILT FROM TEMPORARY DEVICES WHEN TEMPORARY SEDIMENT FENCE LENGTH EXCEEDS APPROXIMATELY 500'. REPAIR AND REPLACE SILT FENCES AS NECESSARY.
4. SEED AND STABILIZE TEMPORARY DIVERSION BERMS IMMEDIATELY AFTER CONSTRUCTION INCLUDING "CLEAN" WATER OVERS ON BERMS. RE-GRADE/REPAIR BERMS AS NECESSARY.
5. CONTRACTOR SHALL APPROPRIATELY INSPECT AND MAINTAIN RECORDS OF OPERATIONAL RECORDS INCLUDING WITH THE PRESENCE OF THE EROSION CONTROL STORMWATER DISCHARGE PERMIT FOR CONSTRUCTION ACTIVITIES.



EROSION CONTROL CONSTRUCTION SEQUENCE

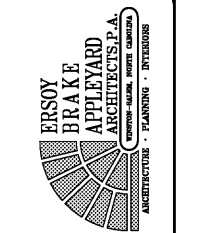
1. MAINTAIN PHASE 1 PERIMETER PROTECTIONS UNTIL THOSE DISTURBED AREAS ARE STABILIZED
 2. CONTACT EROSION CONTROL INSPECTOR TO ESTABLISH A PRE-CONSTRUCTION CONFERENCE AND INSPECTION SCHEDULE FOR PHASE 2 MEASURES.
 3. **SELF INSPECTION** - EFFECTIVE OCTOBER 1, 2010, PERSONS CONDUCTING LAND DISTURBING ACTIVITIES LARGER THAN ONE (1) ACRE, MUST INSPECT THEIR PROJECT AFTER EACH PHASE OF THE PROJECT, AND DOCUMENT THE INSPECTION IN WRITING ON APPROVED FORMS.
- THE PHASES ARE AS FOLLOWS
1. INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROL MEASURES
 2. CLEARING AND GRUBBING OF EXISTING GROUND COVER
 3. COMPLETION OF ANY PHASE OF GRADING OF SLOPES OR FILLS
 4. INSTALLATION OF STORM DRAINAGE FACILITIES
 5. COMPLETION OF CONSTRUCTION OR DEVELOPMENT
 6. ESTABLISHMENT OF PERMANENT GROUND COVER SUFFICIENT TO RESTRAIN EROSION.
3. CLEAR SITE ONLY AS NECESSARY TO INSTALL INITIAL EROSION CONTROL MEASURES AS FOLLOWS:
- A. TEMPORARY CONSTRUCTION ENTRANCE/EXIT
 - B. TEMPORARY DIVERSION BERMS
 - C. TEMPORARY SILT FENCING
- SEED EMBAKMENTS AND DISTURBED AREAS OF DEVICES (INCLUDING NO EASY WATER DIVERSION) UPON COMPLETION OF CONSTRUCTION. SEE GROUND STABILIZATION CRITERIA BELOW FOR MORE INFORMATION.
4. BEGIN CLEARING, GRUBBING, AND STRIPPING OF SITE AS REQUIRED. EARTHEN MATERIAL STOCKPILES ON SITE FOR LATER DISTRIBUTION AND/OR REMOVAL AREAS DEDICATED FOR MANAGEMENT OF LAND CLEARING AND DEMOLITION DEBRIS, CONSTRUCTION AND DOMESTIC WASTE, AND HAZARDOUS OR TOXIC WASTE SHALL BE LOCATED AT LEAST 50 FEET AWAY FROM STORM DRAIN INLETS AND SURFACE WATERS UNLESS IT CAN BE SHOWN THAT NO OTHER ALTERNATE AREAS ARE REASONABLY AVAILABLE, AND WITHIN AREAS PROTECTED BY EROSION CONTROL MEASURES.
 5. BEGIN SITE GRADING. MAINTAIN EROSION CONTROL DEVICES IN ACCORDANCE WITH THE MAINTENANCE PLAN. INSTALL ADDITIONAL EROSION CONTROL MEASURES AS REQUIRED.
 6. INSTALL STORM DRAINAGE SYSTEM AND UTILITIES. STORM PIPING SHALL BE INSTALLED TO THE POINT WHERE IT ENTERS EACH DEVICE. COMPLETION OF PIPING WILL ONLY BE ALLOWED ONCE THE SITE HAS BEEN DEEMED STABLE BY THE EROSION CONTROL INSPECTOR. INSTALL PROTECTION AROUND ALL INLETS AS STORM DRAIN SYSTEM IS INSTALLED.

GROUND STABILIZATION CRITERIA

SITE AREA DESCRIPTION	STABILIZATION TIMEFRAME	STABILIZATION TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES, & SLOPES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH ARE NOT STEEPER THAN 2:1, 14 DAYS ALLOWED
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES > 50 FEET IN LENGTH
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE

EROSION CONTROL MAINTENANCE PLAN

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2. REMOVE ALL SEDIMENT FROM TEMPORARY DEVICES WHEN ACCUMULATED VOLUME HAS REACHED 50% CAPACITY.
3. REMOVE ACCUMULATED SILT FROM TEMPORARY DEVICES WHEN TEMPORARY SEDIMENT FENCE LENGTH EXCEEDS APPROXIMATELY 500'. REPAIR AND REPLACE SILT FENCES AS NECESSARY.
4. SEED AND STABILIZE TEMPORARY DIVERSION BERMS IMMEDIATELY AFTER CONSTRUCTION INCLUDING "CLEAN" WATER OVERS ON BERMS. RE-GRADE/REPAIR BERMS AS NECESSARY.
5. CONTRACTOR SHALL APPROPRIATELY INSPECT AND MAINTAIN RECORDS OF OPERATIONAL RECORDS INCLUDING WITH THE PRESENCE OF THE EROSION CONTROL STORMWATER DISCHARGE PERMIT FOR CONSTRUCTION ACTIVITIES.



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City of Winston-Salem
FIRE STATION 3
WINSTON-SALEM • NORTH CAROLINA

PHASE 2 DEMOLITION, GRADING AND EROSION CONTROL PLAN

THOSE CHANGES OR MODIFICATIONS TO THE ARCHITECTURAL DRAWINGS OR SPECIFICATIONS WHICH ARE NOT MADE BY THE ARCHITECT OR HIS REPRESENTATIVE SHALL BE AT THE RISK OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF WINSTON-SALEM AND ANY OTHER AGENCIES OR AGENCIES INVOLVED IN THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF WINSTON-SALEM AND ANY OTHER AGENCIES OR AGENCIES INVOLVED IN THE PROJECT.

DATE: 02-12-21
REVISION: 02-22-21

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