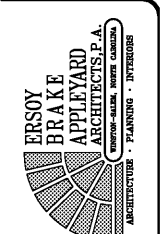
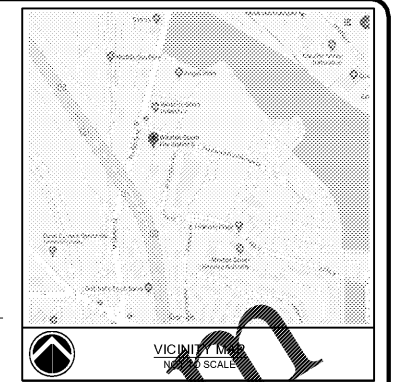
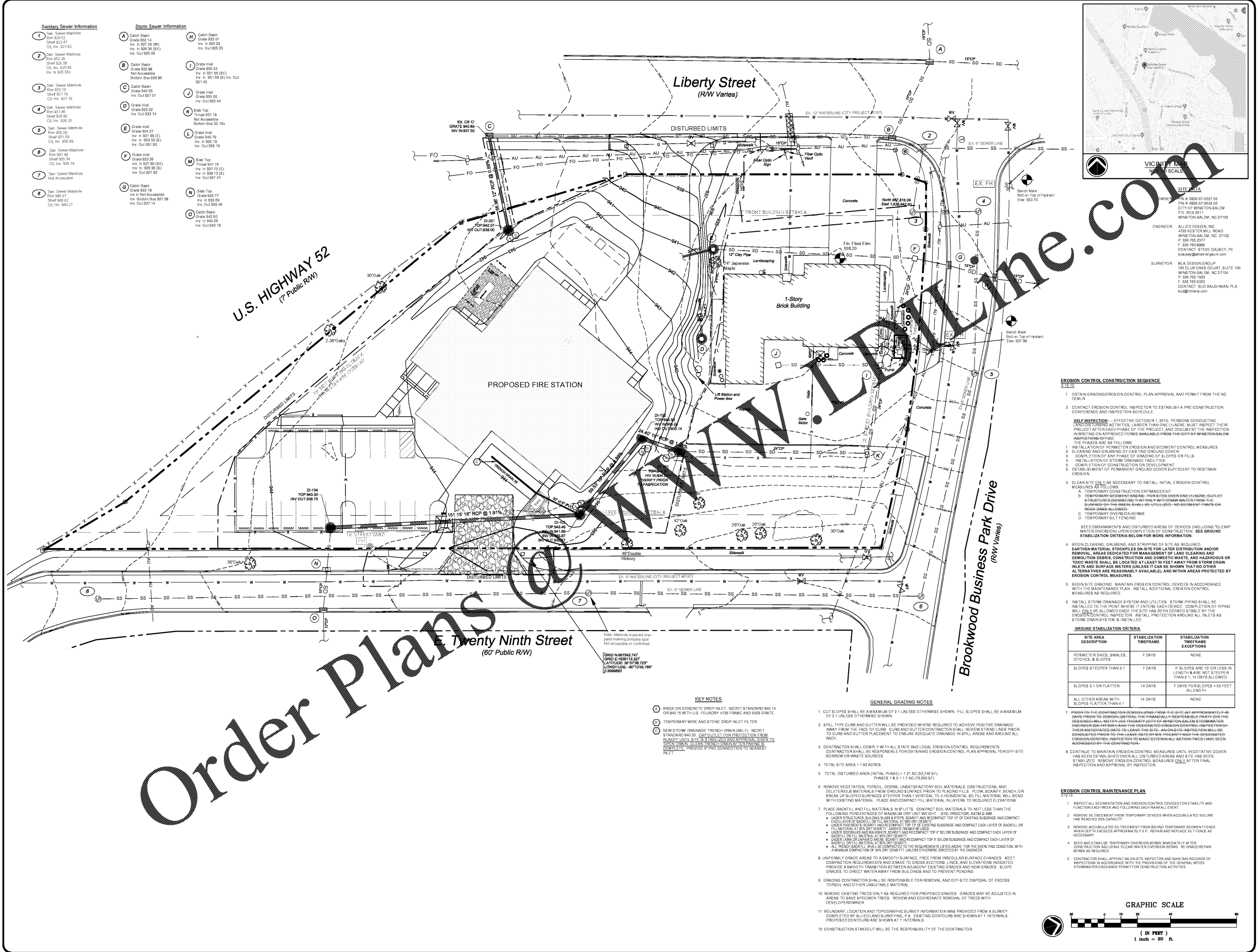


- Sanitary Sewer Information**
- 1 San. Sewer Manhole Rim 929.52 Sheet 522.47 CIL Inv. 921.82
 - 2 San. Sewer Manhole Rim 927.26 Sheet 521.59 CIL Inv. 925.92
 - 3 San. Sewer Manhole Rim 929.19 Sheet 527.79 CIL Inv. 927.15
 - 4 San. Sewer Manhole Rim 931.46 Sheet 528.90 CIL Inv. 926.25
 - 5 San. Sewer Manhole Rim 938.09 Sheet 531.59 CIL Inv. 930.89
 - 6 San. Sewer Manhole Rim 941.41 Sheet 535.34 CIL Inv. 934.74
 - 7 San. Sewer Manhole Not Accessible
 - 8 San. Sewer Manhole Rim 940.67 Sheet 540.62 CIL Inv. 940.27

- Storm Sewer Information**
- A Catch Basin Grate 932.14 Inv. In 925.23 Inv. Out 926.23
 - B Catch Basin Grate 932.89 Not Accessible Bottom Box 926.95
 - C Catch Basin Grate 940.65 Inv. Out 937.01
 - D Grate Inlet Grate 933.74 Inv. Out 933.74
 - E Grate Inlet Grate 933.27 Inv. In 931.99 (E) Inv. In 935.19 Inv. Out 935.19
 - F Grate Inlet Grate 940.79 Inv. In 935.19 Inv. Out 935.19
 - G Catch Basin Grate 932.18 Inv. Not Accessible Bottom Box 927.29 Inv. Out 927.14
 - H Catch Basin Grate 932.01 Inv. In 925.23 Inv. Out 926.23
 - I Grate Inlet Grate 935.43 Inv. In 931.99 (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 33.194
 - L Grate Inlet Grate 940.79 Inv. In 935.19 Inv. Out 935.19
 - M Slab Top Throat 941.16 Inv. In 937.71 (C) Inv. In 938.17 (S) Inv. Out 937.92
 - N Slab Top Throat 942.77 Inv. In 938.69 Inv. Out 938.46
 - O Catch Basin Grate 940.90 Inv. In 940.29 Inv. Out 940.19



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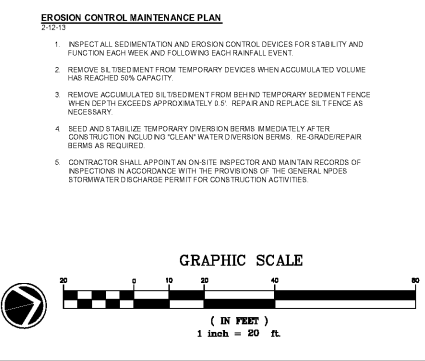
City of Winston-Salem
FIRE STATION 3
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- EROSION CONTROL CONSTRUCTION SEQUENCE**
 2.7.13
- OBTAIN GRADING/EROSION CONTROL PLAN APPROVAL AND PERMIT FROM THE NC DEMLR
 - CONTACT EROSION CONTROL INSPECTOR TO ESTABLISH A PRE-CONSTRUCTION CONFERENCE AND INSPECTION SCHEDULE.
 - SELF INSPECTION** — EFFECTIVE OCTOBER 1, 2010, PERSONS CONDUCTING LAND'S URBINE ACTIVITIES, LARGER THAN ONE (1) ACRE, MUST INSPECT THEIR PROJECT AT EACH PHASE OF THE PROJECT, AND DOCUMENT THE INSPECTIONS IN WRITING ON APPROVED FORMS AVAILABLE FROM THE CITY OF WINSTON-SALEM IN PROGRESS OFFICE. THE PHASES ARE AS FOLLOWS:
 - INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROL MEASURES
 - CLEARING AND GRUBBING OF EXISTING GROUND COVER
 - COMPLETION OF ANY PHASE OF GRADING OF SLOPES OR FILLS
 - INSTALLATION OF STORM DRAINAGE FACILITIES
 - COMPLETION OF CONSTRUCTION OR DEVELOPMENT
 - ESTABLISHMENT OF PERMANENT GROUND COVER SUFFICIENT TO RESTRAIN EROSION.
 - CLEAR SITE ONLY AS NECESSARY TO INSTALL INITIAL EROSION CONTROL MEASURES AS FOLLOWS:
 - TEMPORARY CONSTRUCTION ENTRANCE/EXIT
 - TEMPORARY SEDIMENT BASINS — FOR SITES OVER ONE (1) ACRE, OULFET STRUCTURES (BARRIERS THAT TRAP AND WITHHOLD WATER FROM THE SURFACE OF THE BASIN, SHALL BE UTILIZED — NO SEDIMENT TRAPS OR REG-DAMS ALLOWED.
 - TEMPORARY DIVERSION BERMS
 - TEMPORARY SILT FENCING
 SEED EMBANKMENTS AND DISTURBED AREAS OF DEVICES (INCLUDING "CLEAN" WATER DIVERSION) UPON COMPLETION OF CONSTRUCTION. SEE GROUND STABILIZATION CRITERIA BELOW FOR MORE INFORMATION.
 - BEGIN CLEARING, GRUBBING, AND STRIPPING OF SITE AS REQUIRED. EARTH MATERIAL STOCKPILES ON-SITE FOR LATER DISTRIBUTION AND/OR REMOVAL. AREAS DESIGNATED 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 ALTERNATIVES ARE REASONABLY AVAILABLE, AND WITHIN AREAS PROTECTED BY EROSION CONTROL MEASURES.
 - BEGIN SITE GRADING. MAINTAIN EROSION CONTROL DEVICES IN ACCORDANCE WITH THE MAINTENANCE PLAN. INSTALL ADDITIONAL EROSION CONTROL MEASURES AS REQUIRED.
 - 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**
 2.7.13
- INSPECT ALL SEDIMENTATION AND EROSION CONTROL DEVICES FOR STABILITY AND FUNCTION EACH WEEK AND FOLLOWING EACH RAIN ALL EVENT
 - REMOVE ALL DEBRIS FROM TEMPORARY DEVICES WHEN ACCUMULATED VOLUME HAS REACHED 50% CAPACITY
 - REMOVE ACCUMULATED SILT/TREND FROM BEHIND TEMPORARY SEDIMENT FENCE WHEN SIFTING EXCESS APPROXIMATELY 8" DEPTH. REPAIR AND REPLACE SILT FENCE AS NECESSARY
 - SEED AND STABILIZE TEMPORARY DIVERSION BERMS IMMEDIATELY AFTER CONSTRUCTION INCLUDING "CLEAN" WATER DIVERSION BERMS. RE-GRADREPAIR BERMS AS REQUIRED.
 - CONTRACTOR SHALL APPOINT AN ON-SITE INSPECTOR AND MAINTAIN RECORDS OF INSPECTIONS IN ACCORDANCE WITH THE PROVISIONS OF THE GENERAL NOTES. STORMWATER DISCHARGE PERMIT FOR CONSTRUCTION ACTIVITIES.



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- KEY NOTES**
- (A) BRICK OR CONCRETE DROP INLET. NC DOT STANDARD B40.14 OR B40.15 WITH U.S. FOUNDRY 4139 FRAME AND 6429 GRATE.
 - (B) TEMPORARY WIRE AND STONE DROP INLET FILTER.
 - (C) NEW STORM DRAINAGE TRENCH DRAIN (S.L.F.). NC DOT STANDARD M30. GAS COLLECTOR PROTECTION FROM SLURF UNIT. SITE IS STABILIZED AND APPROVAL GIVEN TO VERIFY THE DESIGN AND CONSTRUCTION OF THE TRENCH IS COMPLETE. PROVIDE 6" PVC CONNECTION TO NEAREST INLET.
- GENERAL GRADING NOTES**
- CUT SLOPES SHALL BE A MAXIMUM OF 2:1 UNLESS OTHERWISE SHOWN. FILL SLOPES SHALL BE A MAXIMUM OF 3:1 UNLESS OTHERWISE SHOWN.
 - SPLIT TYPE CURB AND GUTTER WILL BE PROVIDED WHERE REQUIRED TO ACHIEVE POSITIVE DRAINAGE AWAY FROM THE FACE OF CURB. CURB AND GUTTER CONTRACTOR SHALL REVIEW STRONG LINES PRIOR TO CURB AND GUTTER PLACEMENT TO ENSURE ADEQUATE DRAINAGE IN SPL. AREAS AND AROUND ALL RAIS.
 - CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL EROSION CONTROL REQUIREMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING EROSION CONTROL PLAN APPROVAL FOR OFF-SITE BLOWN OR WASTE SOURCES.
 - TOTAL SITE AREA = 1.92 ACRES
 - TOTAL DISTURBED AREA (INITIAL PHASE) = 1.21 AC (52,746 SF)
 PHASES 1 & 2 = 1.7 AC (73,650 SF)
 - REMOVE VEGETATION, TOPSOIL, DEBRIS, UNSATISFACTORY SOIL MATERIALS, OBSTRUCTIONS, AND DELETERIOUS MATERIALS FROM GROUND SURFACE PRIOR TO PLACING FILLS. FLOW SCARPING, BENCH, OR BREAK UP SLOPED SURFACES STEEPER THAN 1 VERTICAL TO 4 HORIZONTAL SO FILL MATERIAL WILL BOND WITH EXISTING MATERIAL. PLACE AND COMPACT FILL MATERIAL IN LAYERS TO REQUIRED ELEVATIONS.
 - PLACE BACKFILL AND FILL MATERIALS IN 6" LIFTS. COMPACT SOIL MATERIALS TO NOT LESS THAN THE FOLLOWING PERCENTAGES OF MAXIMUM DRY UNIT WEIGHT — STD. PROCTOR ASTM D 698:
 - UNDER STRUCTURES, BUILDING SLABS & STEPS: SCARP AND RECOMPACT TOP 12" OF EXISTING SUBGRADE AND COMPACT EACH LAYER OF BACKFILL TO 98% DRY DENSITY, AS NOTED BY ENGINEER.
 - UNDER PAVEMENTS: SCARP AND RECOMPACT TOP 12" OF EXISTING SUBGRADE AND COMPACT EACH LAYER OF BACKFILL TO 98% DRY DENSITY, AS NOTED BY ENGINEER.
 - UNDER SIDEWALKS AND WALKWAYS: SCARP AND RECOMPACT TOP 6" BELOW SUBGRADE AND COMPACT EACH LAYER OF BACKFILL TO 98% DRY DENSITY, AS NOTED BY ENGINEER.
 - UNDER LAYS OR UNPAVED AREAS: SCARP AND RECOMPACT TOP 6" BELOW SUBGRADE AND COMPACT EACH LAYER OF BACKFILL TO 95% DRY DENSITY, AS NOTED BY ENGINEER.
 - ALL FILL MATERIAL SHALL BE COMPACTED TO THE REQUIREMENTS LISTED ABOVE FOR THE OVERLAPPING CONDITION, WITH A MINIMUM COMPACTION OF 90% DRY DENSITY, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
 - UNIFORMLY GRADE AREAS TO A SMOOTH SURFACE, FREE FROM IRREGULAR SURFACE CHANGES. MEET COMPACTION REQUIREMENTS AND GRADEN TO DRESS SECTIONS, LINES, AND ELEVATIONS INDICATED. PROVIDE A SMOOTH TRANSITION BETWEEN ADJACENT EXISTING GRADES AND NEW GRADES. SLOPE GRADEN TO DIRECT WATER AWAY FROM BUILDINGS AND TO PREVENT PONDING.
 - GRADING CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND OFF-SITE DISPOSAL OF EXCESS TOPSOIL AND OTHER UNSUITABLE MATERIAL.
 - REMOVE EXISTING TREES ONLY AS REQUIRED FOR PROPOSED GRADES. GRADES MAY BE ADJUSTED IN AREAS TO SAVE SPECIES TREES. REVIEW AND COORDINATE REMOVAL OF TREES WITH DEVELOPER/OWNER.
 - BOUNDARY LOCATION AND TOPOGRAPHIC SURVEY INFORMATION WAS PROVIDED FROM A SURVEY CONDUCTED BY ALLIED AND SURVEYING, P.A. EXISTING CONTOURS ARE SHOWN AT 1' INTERVALS. PROPOSED CONTOURS ARE SHOWN AT 1' INTERVALS.
 - CONSTRUCTION STAKEOUT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

THOSE CHANGES OR MEASUREMENTS OF SERVICE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT UNLESS THE PROJECT FOR WHICH THEY ARE USED IS EXCLUDED OR NOT, THEY ARE NOT TO BE USED FOR ANY OTHER PROJECT OR FOR OTHER PROJECTS WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT.

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 COMM. DATE: 02-12-21
 REVISION DATE: 03-12-21

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