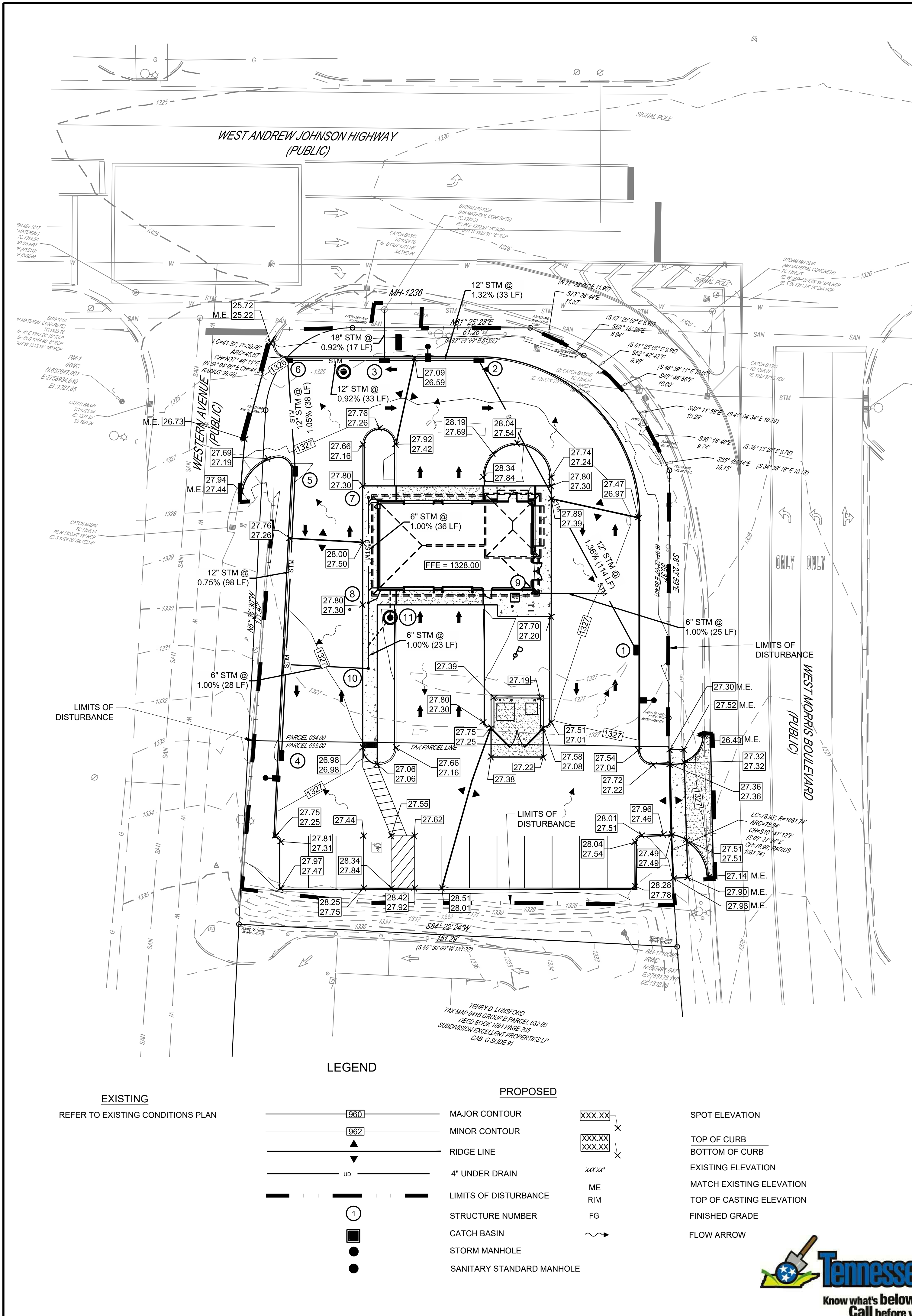


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GRADING PLAN NOTES

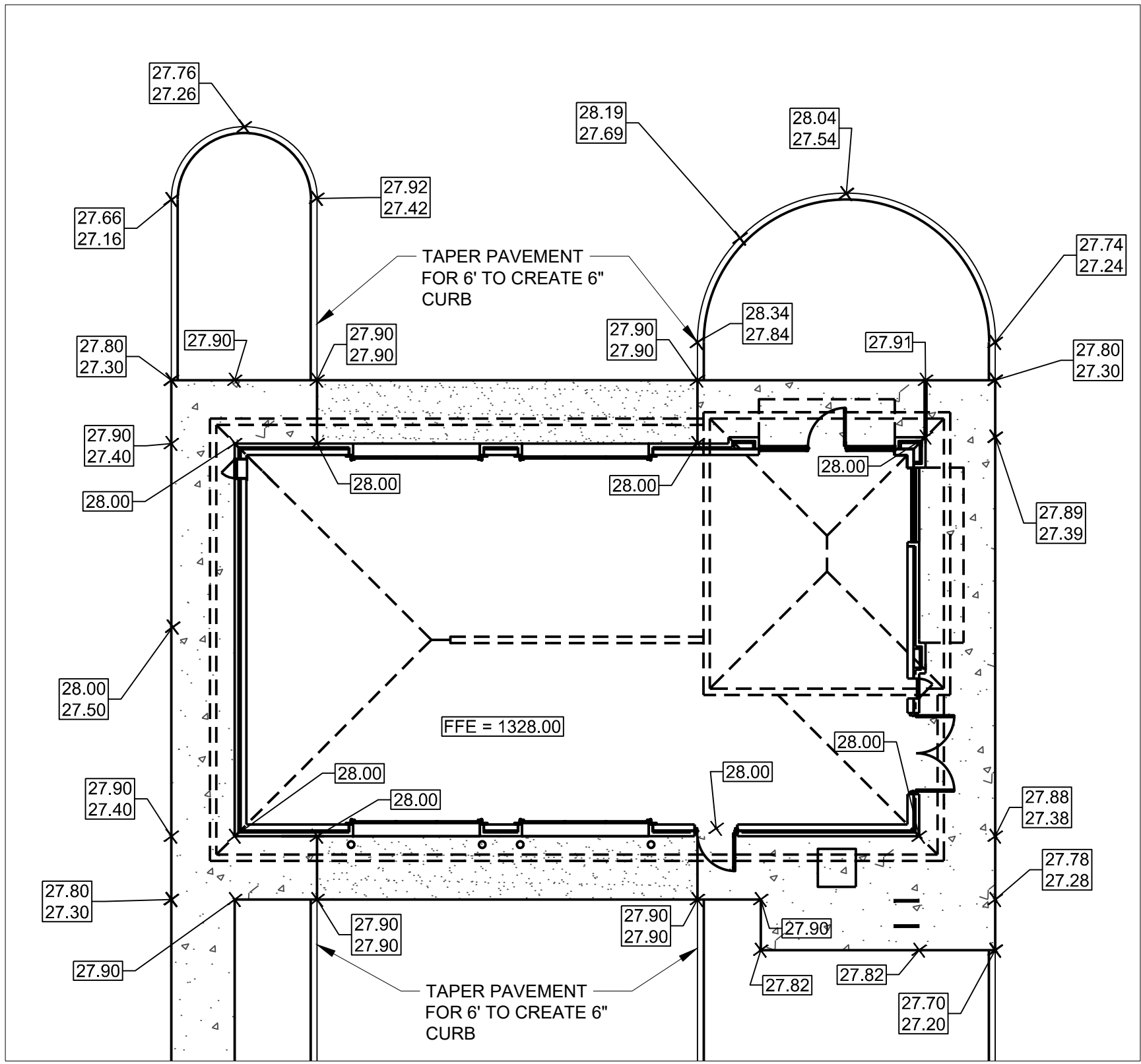
- ALL WORK AND MATERIALS SHALL COMPLY WITH ALL THE LOCAL JURISDICTION REGULATIONS AND CODES AND O.S.H.A. STANDARDS. THE CONTRACTOR SHALL OBTAIN FINAL PERMITTING AND APPROVAL/INSPECTIONS AS REQUIRED FROM THE LOCAL JURISDICTION.
- CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF EXISTING UNSUITABLE FILL WHERE ENCOUNTERED, RUBBISH, TRASH, DEBRIS, AND ORGANIC MATERIAL IN A LAWFUL MANNER. ALL ABANDONED UTILITIES UNDERNEATH THE PROPOSED BUILDING SHALL BE REMOVED IN THEIR ENTIRETY.
- ALL EXCAVATION AND GRADING CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEERING REPORT.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
- ALL TOPSOIL SHALL BE STRIPPED AND STOCKPILED BEFORE FILL IS PLACED AND USED FOR FINAL LANDSCAPING. THE CONTRACTOR SHALL PRESERVE EXISTING VEGETATION WHERE POSSIBLE AND/OR AS NOTED ON DRAWINGS. REFER TO EROSION AND SEDIMENTATION PLAN FOR LIMIT OF DISTURBANCE AND NOTES.
- ALL WET, OR OTHERWISE UNSUITABLE, SOILS MUST BE STABILIZED. THIS MAY BE ACCOMPLISHED BY DRYING, REMOVAL & REPLACEMENT, REMOVAL & DRYING & RECOMPACTION, OR SOIL TREATMENT (LIME/CEMENT).
- ALL CUT OR FILL SLOPES SHALL BE 3H:1V OR FLATTER UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE EPA OR APPLICABLE STATE GENERAL N.P.D.E.S. PERMIT FOR STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES AND THE STORM WATER POLLUTION PREVENTION.
- CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS. SITE GRADING SHALL BE PERFORMED TO PROVIDE POSITIVE DRAINAGE TO STORM INLETS AND TO PRECLUDE THE PONDING OF WATER ON SITE.
- ALL DISTURBED AREAS ARE TO RECEIVE 4"-6" OF TOPSOIL, SEED, MULCH AND WATER UNTIL A HEALTHY STAND OF GRASS IS ESTABLISHED. CONTRACTOR SHALL SEED SOD DISTURBED AREAS IN ACCORDANCE WITH LOCAL JURISDICTION SPECIFICATIONS. CONTRACTOR SHALL APPLY FABRIC TO ALL SLOPES 3H:1V OR STEEPER.
- CONTRACTOR SHALL CONSTRUCT SIDEWALKS SUCH THAT 2% IS THE MAXIMUM CROSS SLOPE, AND 5% IS THE MAXIMUM TRANSVERSE SLOPE, AND CURB RAMPS SHALL BE CONSTRUCTED PER TDOT AND/OR LOCAL DETAILS, AND THE MAXIMUM SLOPES SHALL NOT BE EXCEEDED. FORMS SHALL BE PLACED FOR SIDEWALK AREA, AND THE SLOPES ARE TO BE VERIFIED PRIOR TO PLACING CONCRETE. IF SLOPES BECOME AN ISSUE, CONTRACTOR SHALL CONTACT THE ENGINEER.
- CURB AND GUTTER SHALL PITCH OUT WHERE GRADING IS SLOPED AWAY FROM THE CURB AND SHALL PITCH IN WHEN GRADING IS SLOPED TOWARDS THE CURB. THE PITCH OF THE GUTTER SHALL MATCH PARKING LOT GRADES.
- CONTRACTOR SHALL MAINTAIN A MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN ADA ACCESSIBLE/HANDICAPPED PARKING LOT AREA.
- ALL ELEVATIONS SHOWN ARE TOP OF PAVEMENT FINISH GRADE UNLESS OTHERWISE SPECIFIED.
- LINE UNDERGROUND SHALL BE INSTALLED, INSPECTED, AND APPROVED PRIOR TO BACKFILLING.
- THE CONTRACTOR SHALL RESTORE ANY STRUCTURE, PIPE, UTILITY, PAVEMENT, CURBS, SIDEWALKS, LANDSCAPED AREAS, ETC. DISTURBED DURING CONSTRUCTION TO THE ORIGINAL CONDITION OR BETTER AT NO COST TO OWNER.
- ADD 1300 TO ALL SPOT ELEVATIONS TO OBTAIN ACTUAL GRADE.

X STORM SEWER STRUCTURE SCHEDULE			
NO.	STRUCTURE	GRATE	INVERT
MH-1236	EX. MANHOLE	1325.31	1321.00 (18") S 1320.91 (18") E 1321.81 (18") W
1	TDOT #10 CB	1326.78	1323.13 (12") NW
2	TDOT #10 CB	1326.40	1321.59 (12") SE 1321.59 (12") W
3	TDOT #10 CB	1326.51	1321.51 (12") W 1321.16 (12") E 1321.16 (18") N
4	TDOT #10 CB	1326.45	1322.95 (12") N
5	TDOT #10 CB	1326.95	1322.22 (12") S 1322.22 (12") N
6	TDOT #10 CB	1326.00	1321.82 (12") S 1321.82 (12") E
7	6" CO	1327.91	1326.41 (6") S
8	6" CO	1329.49	1326.05 (6") N 1326.05 (6") S
9	6" CO	1327.98	1326.42 (6") E
10	6" CO	1329.26	1325.82 (2") N 1325.82 (6") W
11	48" MANHOLE W/ SUMP PUMP	1328.20	1318.50 (4") N 1325.90 (4") SW

STORM SEWER NOTES:

- ALL STORM SEWER PIPES SHALL BE MANUFACTURED WITH INTEGRAL BELL AND SPIGOT JOINTS INCLUDING A GASKET, SO AS TO PROVIDE A WATERTIGHT SEAL.
- ALL STORM SEWER PIPES LESS THAN 12" DIAMETER SHALL BE PVC SDR 35 WATERTIGHT PIPE CONFORMING TO ASTM SPECIFICATION D3034, UNLESS DENOTED OTHERWISE ON PLANS. ALL STORM SEWER PIPES 12" DIAMETER AND GREATER SHALL BE HDPE N-12, WATERTIGHT PIPE AS MANUFACTURED BY ADS, OR APPROVED EQUAL, UNLESS OTHERWISE NOTED ON PLANS.
- CONNECTIONS TO STRUCTURES SHALL BE MADE WATERTIGHT WITH NON-SHRINKING AND NON-CORROSIVE GROUT.
- STORM PIPE SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED: REINFORCED CONCRETE PIPE (RCP) PER ASTM C-76 CLASS IV, POLYVINYL CHLORIDE (PVC SDR 35), HIGH DENSITY POLYETHYLENE PIPE (HDPE)
- ALL STORM STRUCTURES SHALL HAVE A SMOOTH UNIFORM POURED MORTAR INVERT FROM INVERT IN TO INVERT OUT.
- CONCRETE COLLARS ARE TO BE INSTALLED AROUND ALL STORM STRUCTURES.
- ALL MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING RING & COVERS. MANHOLES IN UNPAVED AREAS SHALL BE 3" ABOVE FINISH GRADE.
- ALL DOWNSPOUT DRAINS ARE TO HAVE A 1.00% MINIMUM SLOPE UNLESS OTHERWISE NOTED.
- EXISTING DRAINAGE STRUCTURES TO BE INSPECTED AND REPAIRED AS NEEDED, AND EXISTING PIPES TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.
- IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
- ALL PROPOSED MODIFICATIONS TO EXISTING CATCH BASINS AND/OR MANHOLES SHALL BE IN ACCORDANCE WITH STATE DOT STANDARDS AND SPECIFICATIONS.
- MANHOLE RIMS AND STORM INLET GRATES SHALL BE SET TO ELEVATIONS SHOWN. SET ALL EXISTING MANHOLE FRAMES AND COVERS, STORM INLET GRATES, VALVE BOXES, ETC., TO BE RAISED OR LOWERED, TO PROPOSED FINISHED GRADE, FLUSH WITH THE ADJACENT GRADE.
- PROVIDE FINGER DRAINS PER DETAIL ON ALL PROPOSED CATCH BASINS IN PAVEMENT.
- CONTRACTOR TO POUR THE INVERTS IN ALL STORM WATER STRUCTURES

DRAINAGE: THERE IS NO INCREASE IN STORMWATER RUNOFF FROM THE 50 YEAR-24 HOUR STORM TO THE TDOT RIGHT OF WAY



BUILDING BLOWUP DETAIL
SCALE: 1" = 10'



No.	Revisions/Comments	Date
1	ISSUED FOR DEMOLITION PERMIT SUBMITTAL	10.20.17
2	FOR BID	11.29.17
3	FOR BID	12.12.17

VALVOLINE INSTANT OIL CHANGE
2007 W. ANDREW JOHNSON HWY
MORRISTOWN, TN 37814

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Project No.	754469
Scale	AS NOTED
Drawn	CBW
Checked	ADB
Date	11.02.17
Drawing Title	

GRADING PLAN

Drawing No. C4.0