

GENERAL CONSTRUCTION NOTES

1. ALL ON-SITE WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT SPECIFICATIONS AND STANDARD DETAILS OF **CITY OF LIVONIA**, UNLESS OTHERWISE SPECIFIED.
2. SITE CONSTRUCTION SHALL NOT COMMENCE WITHOUT APPROVAL OF THE ENGINEERING PLANS.
3. MUNICIPAL UTILITIES (WATER, SANITARY, AND STORM SEWER) MAY NOT BEGIN PRIOR TO ENGINEERING APPROVAL.
4. CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL PROPERTY CORNERS.
5. CONTRACTOR SHALL MATCH PROPOSED CURB AND GUTTER, CONCRETE, AND PAVEMENT TO EXISTING IN GRADE AND ALIGNMENT WHERE APPLICABLE.
6. THE EARTHWORK FOR ALL BUILDING FOUNDATIONS AND SLABS SHALL BE IN ACCORDANCE WITH ARCHITECTURAL BUILDING PLANS AND SPECIFICATIONS.
7. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR ACTUAL DIMENSIONS.
8. THE SITE CONTRACTOR SHALL COORDINATE THEIR WORK WITH THE BUILDING CONTRACTOR.
9. THE CONTRACTOR IS RESPONSIBLE FOR PROPER TRAFFIC CONTROL DURING CONSTRUCTION.
10. CONSTRUCTION SHALL COMPLY WITH ALL GOVERNING CODES AND BE CONSTRUCTED TO SAME.
11. HAZARDOUS MATERIAL OR WASTE SHALL NOT BE STORED ON-SITE.
12. CONTRACTOR IS RESPONSIBLE FOR RELOCATING AND/OR PLACING PEDESTRIAN CROSSING SIGNS IN NEW LOCATION AS INDICATED ON PLANS. CONTRACTOR TO VERIFY EXACT NUMBER OF SIGNS REQUIRED.
13. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED RELOCATIONS INCLUDING UTILITIES, STRUCTURES, SIGNS, ETC. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES' SPECIFICATIONS AND SHALL BE APPROVED BY SUCH.
14. ALL ACCESSIBLE PARKING, SIGNAGE AND STRIPING SHALL BE CONSTRUCTED IN ACCORDANCE WITH ADA STANDARDS.
15. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THIS PLAN HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY DEMOLITION OR CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES FOR ONSITE LOCATIONS OF EXISTING UTILITIES.
16. CONTRACTOR IS RESPONSIBLE FOR REPAIRING THE DAMAGE DONE TO ANY EXISTING ITEM DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO, DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURB, SIGNS ETC. REPAIRS SHALL BE EQUAL TO, OR BETTER THAN, EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE TO DOCUMENT ALL EXISTING DAMAGE AND NOTIFY CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION START.

PAVING NOTES

1. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR ACTUAL BUILDING DIMENSIONS, PORCH AND RAMP LOCATIONS.
2. ALL PAVING SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF THE **CITY OF LIVONIA** STANDARD SPECIFICATIONS FOR CONSTRUCTION AS APPLICABLE.
3. ANY SIDEWALK DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER.
4. PROVIDE 1/2" EXPANSION JOINT WHERE PROPOSED CURB IS TO MATCH EXISTING CURB.
5. PROVIDE 1" EXPANSION JOINT WHERE PROPOSED SIDEWALK IS TO MATCH EXISTING SIDEWALK.
6. CONTRACTOR TO INSTALL JOINTS IN CONCRETE PAVEMENT IN ORDER TO OBTAIN APPROXIMATELY 10'X10' SQUARES. ALL JOINTS TO BE SEALED WITH AN APPROVED SEALANT MATERIAL. CONTRACTOR TO INSTALL EXPANSION JOINTS BETWEEN PAVEMENTS AND CURBING.
7. APPLY SUCCESSIVE LIFTS OF ASPHALTIC CONCRETE IN TRANSVERSE DIRECTIONS WITH SURFACE COURSE PLACED PARALLEL TO FLOW OF TRAFFIC. PLACE ASPHALTIC PAVING IN TYPICAL STRIPS NOT LESS THAN 10'-0" WIDE.
8. ALL ACCESSIBLE PARKING SPACES SHALL COMPLY WITH CURRENT ADA DESIGN CRITERIA.
9. ALL PEDESTRIAN RAMPS SHALL HAVE DETECTABLE WARNING SURFACES.
10. CONTRACTOR TO CONSTRUCT ACCESSIBLE ROUTES PER STATE AND NATIONAL STANDARDS AND SPECIFICATIONS, IN ADDITION TO THE INFORMATION PROVIDED IN THE CONSTRUCTION DRAWINGS. IF A CONFLICT EXISTS, THE LOCAL, STATE OR NATIONAL STANDARDS AND SPECIFICATIONS WILL GOVERN. CONTRACTOR TO CONTACT THE ENGINEER AND **OWNER** WITH ANY QUESTIONS AN/OR COMMENTS.
11. CONTRACTOR TO ENSURE 1:12 (V:H) MAX CROSS SLOPE IS INSTALLED ACROSS CURB DROP AT ADA RAMPS.
12. DETECTABLE WARNINGS AS SHOWN ON THE CURB RAMP DETAIL SHALL BE PLACED AT ALL CURB RAMPS, AND ISLAND CUT-THROUGHS, WHERE THE PEDESTRIAN WALKWAY IS DIRECTED INTO A VEHICULAR TRAFFIC AREA, UNLESS NOTED OTHERWISE.
13. ALL CONCRETE TO HAVE A MINIMUM 28 DAY COMPRESSION STRENGTH OF 3500 psi.

STRIPING NOTES

1. ALL STANDARD PARKING SPACES SHALL BE 4" WIDE, SOLID YELLOW, SINGLE LINE STRIPING, UNLESS OTHERWISE NOTED.
2. ALL STRIPED ISLANDS (EXCEPT THOSE FRONTING ADA PARKING) SHALL BE 4" SOLID YELLOW, SINGLE LINE STRIPING, 2' ON CENTER @ 45°, UNLESS OTHERWISE NOTED. CONTRACTOR TO PROVIDE PER AUTHORITY HAVING JURISDICTION.
3. ANY STRIPED ISLANDS (EXCEPT THOSE FRONTING ACCESSIBLE PARKING) SHALL BE 4" SOLID YELLOW, SINGLE LINE STRIPING, 2' ON CENTER @ 45°, UNLESS OTHERWISE NOTED. CONTRACTOR TO PROVIDE PER AUTHORITY HAVING JURISDICTION.
4. PAVEMENT MARKING CHARACTERS SHALL BE 8' IN HEIGHT AND THERMOPLASTIC MATERIAL. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

DEMOLITION NOTES

1. ALL ON-SITE WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT SPECIFICATIONS AND STANDARD DETAILS OF **CITY OF LIVONIA**, UNLESS OTHERWISE SPECIFIED.
2. DEPTH AND LOCATION OF ON-SITE AND RIGHT-OF-WAY UTILITIES SHALL BE VERIFIED BY GENERAL CONTRACTOR AND/OR THE PROPER UTILITY COMPANY PROVIDING SERVICE. SEE EXISTING CONDITIONS PLAN FOR EXISTING UTILITY INFORMATION. NOTIFY THE ENGINEER IMMEDIATELY REGARDING ANY UTILITY CONFLICTS, ADDITIONAL UTILITIES AND/OR ANY OTHER UTILITY INFORMATION.
3. PRIOR TO CONSTRUCTION, ADDITIONAL PERMANENT BENCH MARKS WILL BE SET ON SITE TO INSURE AN ACCURATE BENCH MARK WILL REMAIN AT ALL TIMES.
4. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF, OFF-SITE AT APPROVED LANDFILL, EXISTING STRUCTURES, FENCES, CONCRETE, AND PAVEMENT AS NOTED.
5. THE CONTRACTOR SHALL OBTAIN THE NECESSARY PERMITS AND NOTIFY ALL AFFECTED UTILITY COMPANIES PRIOR TO THE DEMOLITION OF ANY EXISTING STRUCTURES. ALL EXISTING UTILITIES SHALL BE CAPPED OFF OR REMOVED SO AS NOT TO INTERFERE WITH THE CONSTRUCTION PROJECT. ALL DEBRIS SHALL BE HAULED AWAY FROM THE SITE AND DISPOSED OF AT AN APPROVED LANDFILL.
6. THE CONTRACTOR SHALL COORDINATE WITH AFFECTED UTILITY COMPANIES FOR THE REMOVAL OR RELOCATION OF ALL UNDERGROUND AND OVERHEAD UTILITIES, UTILITY TRANSFORMER(S), AND LIGHT POLES.
7. SAWCUT THE EDGE OF PAVEMENT AND CURB TO FULL DEPTH AT LOCATIONS WHERE EXISTING IS TO MEET PROPOSED TO PROVIDE A SMOOTH EDGE.
8. THE FLOW IN ALL SEWERS, DRAINS, AND WATERCOURSES ENCOUNTERED SHALL BE MAINTAINED BY THE CONTRACTOR AT HIS OWN EXPENSE. WHENEVER SUCH WATERCOURSES AND DRAINS ARE DISTURBED OR DESTROYED DURING THE PROSECUTION OF THE WORK, THEY SHALL BE RESTORED BY THE CONTRACTOR AT HIS OWN COST AND EXPENSE, UNLESS SPECIFIC PROVISION IS MADE WITHIN THE PLANS.
9. CONTINUOUS ACCESS SHALL BE MAINTAINED FOR THE SURROUNDING PROPERTIES AT ALL TIMES DURING DEMOLITION OF THE EXISTING FACILITIES.
10. PRIOR TO DEMOLITION OCCURRING, ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED.
11. THE CONTRACTOR SHALL COORDINATE WATERMAIN WORK WITH THE FIRE DEPARTMENT AND THE **AUTHORITY HAVING JURISDICTION** TO PLAN PROPOSED IMPROVEMENTS AND TO ENSURE ADEQUATE FIRE PROTECTION IS CONSTANTLY AVAILABLE TO THE BUILDING AND SITE THROUGHOUT THIS SPECIFIC WORK AND THROUGH ALL PHASES OF CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR ARRANGING/PROVIDING ANY-REQUIRED WATERMAIN SHUT-OFFS WITH THE **AUTHORITY HAVING JURISDICTION** DURING CONSTRUCTION. ANY COSTS ASSOCIATED WITH WATERMAIN SHUT OFFS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND NO EXTRA COMPENSATION WILL BE PROVIDED.
12. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THIS PLAN HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY DEMOLITION OR CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES FOR ONSITE LOCATIONS OF EXISTING UTILITIES.

UTILITY NOTES

1. DRAWINGS DO NOT PURPORT TO SHOW ALL EXISTING UTILITIES. 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. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF EXISTING UTILITIES IN THE FIELD PRIOR TO CONSTRUCTION AND INSTALLATION OF UTILITIES. SEE **TOPOGRAPHIC SURVEY** FOR EXISTING UTILITY AND EASEMENT INFORMATION. NOTIFY THE ENGINEER IMMEDIATELY REGARDING ANY UTILITY CONFLICTS, ADDITIONAL UTILITIES AND/OR ANY OTHER UTILITY INFORMATION.
2. CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING UTILITY DURING CONSTRUCTION AT NO COST TO THE OWNER.
3. ALL FILL MATERIAL IS TO BE IN PLACE, AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
4. CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES INSPECTORS 72 HOURS BEFORE CONNECTING TO ANY EXISTING LINE.
5. CONTRACTOR SHALL NOTIFY **AUTHORITY HAVING JURISDICTION** AT LEAST ONE BUSINESS DAY BEFORE COMMENCEMENT OF WORK.
6. LINES UNDERGROUND SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.
7. THE CONTRACTOR MUST CALL 811 AT LEAST 3 WORKING DAYS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES.
8. ALL NECESSARY INSPECTIONS, CERTIFICATIONS, AND/OR TESTS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICE.
9. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ACTUAL LOCATION OF ALL UTILITY ENTRANCES TO INCLUDE SANITARY SEWER LATERALS, DOMESTIC AND FIRE PROTECTION WATER SERVICE, ELECTRICAL, TELEPHONE, AND GAS SERVICE. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES, IN SUCH A MANNER AS TO AVOID CONFLICTS AND ASSURE PROPER DEPTHS ARE ACHIEVED AS WELL AS COORDINATING WITH REQUISITE UTILITY REQUIREMENTS AS TO LOCATION AND SCHEDULING FOR TIE-INS/CONNECTIONS PRIOR TO CONNECTING TO EXISTING UTILITIES.
10. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES, IN SUCH A MANNER AS TO AVOID CONFLICTS, AS WELL AS COORDINATING WITH **LOCAL** UTILITY REQUIREMENTS AS TO ASSURE PROPER LOCATION AND SCHEDULING FOR TIE-INS/CONNECTIONS PRIOR TO CONNECTING TO EXISTING UTILITIES.
11. CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING, AND OTHER MEANS OF PROTECTION. THIS TO INCLUDE BUT NOT LIMITED FOR ACCESS AND EGRESS EXCAVATION AND TRENCHING.
12. MAINTAIN A MINIMUM 18" VERTICAL SEPARATION BETWEEN SANITARY, WATER, STORM, AND ALL FRANCHISE UTILITY LINES. MEASUREMENTS SHALL BE TAKEN FROM THE NEAREST EDGE OF THE UTILITY IN QUESTION.
13. ALL UTILITIES SHALL MAINTAIN TEN (10') OF HORIZONTAL SEPARATION (PARALLEL CENTER TO CENTER) OR WHEN CROSSING, 18" VERTICAL CLEARANCE (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE).
14. CONTRACTOR SHALL MAINTAIN A MINIMUM OF **5'-0"** COVER ON ALL WATERLINES.
15. CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR DETERMINING DEFLECTION ANGLES AND LOCATION OF ALL VERTICAL BENDS IN THE WATER MAIN IN ACCORDANCE WITH CITY OF LIVONIA STANDARDS FOR WATER MAIN CONSTRUCTION. ANY QUESTIONS OR CONFLICTS WITH OTHER UTILITIES IN THE CONSTRUCTION PLANS MUST BE PROVIDED TO THE DESIGN ENGINEER IN WRITING PRIOR TO THE START OF CONSTRUCTION.
16. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE **GOVERNING AGENCY** STANDARD DETAILS, SPECIFICATIONS AND SUPPLEMENTAL SPECIFICATIONS WITH REGARDS TO MATERIALS AND INSTALLATION OF THE WATER AND SEWER LINES.
17. REFER TO BUILDING PLANS FOR SITE LIGHTING ELECTRICAL PLAN.
18. WATER MAINS SHALL BE DISINFECTED AND HAVE A BACTERIAL ANALYSIS IN ACCORDANCE WITH AWWA STANDARD C651 PRIOR TO BEING PUT INTO SERVICE.
19. WATER MAINS SHALL BE LEAKAGE AND PRESSURE TESTED IN ACCORDANCE WITH AWWA STANDARD C600 FOR DUCTILE IRON AND AWWA C605 FOR PVC PIPE.
20. BEDDING AND BACKFILL INSTALLATION SHALL BE IN ACCORDANCE WITH AWWA C600 FOR DUCTILE IRON AND AWWA C605 FOR PVC PIPE.
21. JOINTS SHALL BE IN ACCORDANCE WITH AWWA C111 AND/OR C115 AND FITTINGS MUST BE IN ACCORDANCE WITH AWWA C110 OR C153.

FRANCHISE UTILITY NOTES

1. CONTRACTOR SHALL COORDINATE ALL UTILITY CONNECTIONS WITH UTILITY COMPANY PRIOR TO START OF CONSTRUCTION.
2. CONTRACTOR SHALL CALL "MISS DIG" AT LEAST THREE (3) WORKING DAYS PRIOR TO CONSTRUCTION.
3. CONDUIT SHALL BE SCHEDULE 40 PVC OR TYPE DB DIRECT BURY TELEPHONE DUCT.
4. A GALVANIZED PULL WIRE OR PURPLE PROPYLEPOLYETHYLENE ROPE WITH A MINIMUM PULLING TENSION OF 100 POUNDS SHALL BE INSTALLED IN THE CONDUIT.
18. CONTRACTOR SHALL MAINTAIN A MINIMUM OF **2'-6"** COVER ON ALL UNDERGROUND GAS LINES.
19. CONTRACTOR SHALL MAINTAIN A MINIMUM OF **2'-0"** COVER ON ALL UNDERGROUND ELECTRIC AND DATA LINES.
20. AN ORANGE DETECTABLE HAZARD TAPE WITH INTEGRAL "BURIED CABLE" WORDING, SHALL BE INSTALLED 12" ABOVE CONDUIT.


GRADING AND DRAINAGE NOTES

1. ALL ON-SITE WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT SPECIFICATIONS AND STANDARD DETAILS OF **CITY OF LIVONIA** UNLESS OTHERWISE SPECIFIED.
2. THE CONTRACTOR SHALL CAUSE NOTICE TO BE GIVEN TO MISS DIG, THE **CITY OF LIVONIA** ENGINEERING DEPARTMENT, AND TO THE OWNERS OF THE UTILITY FACILITIES SHOWN ON THE PLAN.
3. PRIOR TO CONSTRUCTION, ADDITIONAL BENCHMARKS SHALL BE SET AROUND THE SITE TO INSURE AN ACCURATE BENCHMARK WILL REMAIN AT ALL TIMES.
4. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.
5. THE FLOW IN ALL SEWERS, DRAINS, AND WATERCOURSES ENCOUNTERED SHALL BE MAINTAINED.
6. ALL DRAIN TILE AND STORM SEWERS TO REMAIN THAT ARE DAMAGED, DISTURBED, OR REMOVED AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED WITH THE SAME QUALITY PIPE OR BETTER, MAINTAINING THE SAME GRADIENT AS EXISTING. REPLACED DRAIN TILE SHALL BE LAID ON COMPACTED BEDDING EQUAL IN DENSITY TO SURROUNDING STRATUM. REPLACEMENT SHALL BE DONE AT THE TIME OF THE BACKFILL OPERATION.
7. ALL DISTURBED AREAS SHALL BE RESTORED IN ACCORDANCE WITH THE STANDARDS OF THE ENTITY WHICH HOLDS JURISDICTION.
8. ALL SOIL EROSION AND SILT MUST BE CONTROLLED AND CONTAINED ON-SITE.
9. ALL CUT OR FILL SLOPES SHALL BE **4:1** OR FLATTER UNLESS OTHERWISE NOTED.
10. ALL INTERIOR ISLANDS SHALL BE MOUNDED. MINIMUM GRADE FOR POSITIVE DRAINAGE SHALL BE 3%.
11. ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING LIDS. MANHOLES IN UNPAVED AREAS SHALL BE FLUSH WITH FINISH GRADE. LIDS SHALL BE LABELED PER **GOVERNING AGENCY** REQUIREMENTS.
12. THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE GENERAL N.P.D.E.S. PERMIT FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES (IF N.P.D.E.S. PERMIT REQUIRED).
13. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
14. ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE 4 INCHES OF TOPSOIL. CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPES 3H:1V OR STEEPER. CONTRACTOR SHALL STABILIZE DISTURBED AREAS IN ACCORDANCE WITH **CITY/LOCAL** SPECIFICATIONS UNTIL A HEALTHY STAND OF VEGETATION IS OBTAINED.
15. ALL STORM STRUCTURES SHALL HAVE A SMOOTH UNIFORM POURED MORTAR INVERT FROM INVERT IN TO INVERT OUT.
16. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL UTILITIES AND NOTIFYING THE APPROPRIATE UTILITY COMPANY PRIOR TO BEGINNING CONSTRUCTION.
17. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING STORM SEWER STRUCTURES, PIPES, AND ALL UTILITIES PRIOR TO CONSTRUCTION.
18. ALL ACCESSIBLE PARKING SPACES SHALL COMPLY WITH CURRENT ADA DESIGN CRITERIA.
19. CONTRACTOR TO ENSURE 1:12 (V:H) MAX CROSS SLOPE IS INSTALLED ACROSS CURB DROP AT RAMPS.

CITY OF LIVONIA STANDARD NOTES

1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT SPECIFICATIONS AND STANDARD DETAILS OF THE CITY OF LIVONIA.
2. NOTIFY THE CITY OF LIVONIA ENGINEERING DIVISION (734) 466-2571 A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
3. CALL MISS DIG (1-800-647-7344/ 1-800-MISS DIG) A MINIMUM OF 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
4. ALL WORK IN THE EIGHT MILE ROAD RIGHT-OF-WAY SHALL MEET THE REQUIREMENTS OF AND BE APPROVED THE W.C.D.P.S.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES TO EXISTING UNDERGROUND UTILITIES CAUSED BY THE CONTRACTOR'S OPERATIONS.
6. TRENCHES UNDER OR WITHIN 3 FT. OF EXISTING OR PROPOSED PAVEMENTS, DRIVEWAYS, AND/OR SIDEWALKS SHALL BE BACKFILLED AND COMPACTED WITH M.D.O.T. CLASS II SAND.
7. WHERE UTILITIES CROSS, PROVIDE POROUS BACKFILL TAMPED IN 12" LAYERS TO THE UNDERSIDE OF THE HIGHER UTILITY. A 6" MINIMUM SAND CUSHION SHALL BE PROVIDED BETWEEN UTILITIES.
8. ALL SEWER CONSTRUCTION SHALL HAVE M.D.O.T CLASS II BEDDING UNLESS OTHERWISE SPECIFIED ON THE PROFILES.
9. ALL ELEVATIONS SHOWN ARE BASED ON U.S.G.S. DATUM.
10. ALL DRIVEWAYS, DRAIN TILES, CULVERTS AND OTHER FACILITIES REMOVED, DESTROYED, DAMAGED OR OTHERWISE DISTURBED BY THE WORK SHALL BE REPLACED AND/OR RESTORED TO THEIR ORIGINAL CONDITION BY THE CONTRACTOR.
11. ALL SOIL EROSION AND SEDIMENTATION MUST BE CONTROLLED AND CONTAINED ON SITE.
12. THE CONTRACTOR MUST MAINTAIN ALL TRAFFIC AT ALL TIMES AS REQUIRED BY THE CURRENT MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MMUTCD), WAYNE COUNTY, AND/OR MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT).
13. THE CONTRACTOR SHALL AT ALL TIMES PROVIDE EMERGENCY ACCESS TO ALL PROPERTIES FOR POLICE, FIRE DEPARTMENT, AMBULANCES AND/OR OTHER EMERGENCY VEHICLES TO PROTECT LIFE, HEALTH AND PROPERTY.
14. PAVED STREETS AND DRIVEWAYS MUST BE MAINTAINED IN A REASONABLE STATE OF CLEANLINESS AND THE CONTRACTOR SHALL REMOVE ACCUMULATIONS OF DEBRIS CAUSED BY CONSTRUCTION OPERATIONS.
15. THE CONTRACTOR SHALL HAVE AN OPERATING SWEEPER BROOM AND CLEAN THE PAVEMENT AT THE CLOSE OF EACH DAY'S OPERATION AND AS OFTEN AS NECESSARY. FAILURE TO COMPLY SHALL BE CAUSE TO STOP CONSTRUCTION. CONTRACTOR SHALL COMPLY WITH THE STATE AIR POLLUTION CONTROL REGULATIONS AND CITY OF LIVONIA SOIL EROSION AND SEDIMENTATION CONTROL (SESC).
16. CONTRACTOR MUST PROVIDE ALL NECESSARY SHEETING, SHORING, DEWATERING, BRACING, TRENCH BOXES, ETC. TO PERFORM WORK SAFELY, PROTECT EXISTING UTILITIES AND IMPROVEMENTS IN ACCORDANCE TO MICHIGAN OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (MIOSHA).


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Know what's below.
Call before you dig.
THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREE TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOTICE:
CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE OWNER NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK, OF PERSONS ENGAGED IN THE WORK, OR ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

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CITY OF LIVONIA

WAYNE COUNTY, MICHIGAN

THE KROGER COMPANY

STORE D-615 EXPANSION SITE PLANS

NOTES

DATE

JULY 13, 2021

REVISIONS/SUBMITTALS


07-13-2021 SUBMIT TO CITY

10-27-2021 0TB

02-01-2022 REV PER CITY

03-25-2022 REV PER CITY

05-10-2022 BULLETIN 1



DRAWN BY: EM

CHECKED BY: EM

PROJECT MANAGER: MMC

JOB #: 18003949

SHEET NO.

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