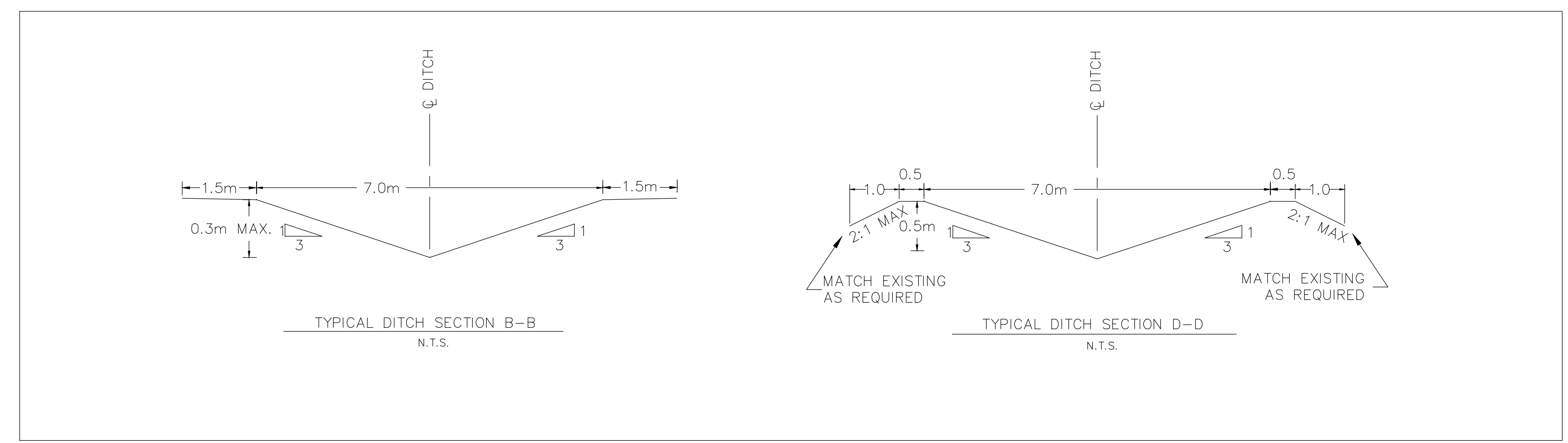


- LEGEND**
- SWALE AND DIRECTION OF FLOW
 - - - - DRAINAGE EASEMENT LIMIT
 - PROPOSED ELEVATION
 - EXISTING ELEVATION
 - PROPOSED SWALE ELEVATION
 - PROPOSED BERM ELEVATION
 - PROPOSED DITCH INVERT ELEVATION
 - PROPOSED TOP OF GRATE
 - ◇ HYD PROPOSED HYDRANT LOCATION
 - ☆ PROPOSED STREETLIGHT
 - ROCK FLOW CHECK DAM
 - LIMIT OF GRADING
 - CUT SLOPE
 - LIMIT OF GRADING
 - FILL SLOPE

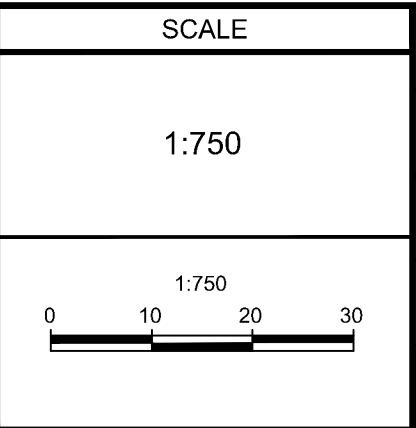
- GENERAL**
1. ALL DIMENSIONS AND INVERTS MUST BE VERIFIED PRIOR TO CONSTRUCTION. IF THERE IS ANY DISCREPANCY THE CONTRACTOR IS TO NOTIFY THE ENGINEER PROMPTLY.
 2. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL UTILITIES DURING CONSTRUCTION. GAS, HYDRO, COMMUNICATIONS OR ANY OTHER UTILITY THAT MAY EXIST ON SITE OR WITHIN THE RIGHT OF WAYS MUST BE LOCATED BY ITS OWN UTILITIES AND VERIFIED PRIOR TO CONSTRUCTION.
 3. TOPSOIL IN FILL AREA TO BE STRIPPED AND CLEAN FILL TO BE PLACED AND COMPACTED TO 95% STANDARD PROCTOR DENSITY.
 4. ALL UNDERGROUND SERVICES MATERIALS AND INSTALLATIONS TO BE IN ACCORDANCE WITH THE CURRENT STANDARDS AND CODES OF THE MUNICIPALITY.
 5. ALL SURFACE DRAINAGE SHALL BE SELF-CONTAINED, COLLECTED AND DISCHARGED AT A LOCATION TO BE APPROVED PRIOR TO THE ISSUANCE OF A BUILDING PERMIT.
 6. ALL DISTURBED AREAS TO BE RESTORED TO ORIGINAL CONDITION OR BETTER UNLESS OTHERWISE SPECIFIED.
 7. WHEREVER PIPES ARE PASSING THROUGH UNCOMPACTED FILL AREA, THE BEDDING TRENCH SHALL BE EXCAVATED TO THE UNDISTURBED GROUND LEVEL AND BACKFILLED WITH GRANULAR "A" COMPACTED TO 100% STANDARD PROCTOR DENSITY.
 8. CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT FOR CONSTRUCTION PURPOSES.
 9. BEFORE COMMENCING CONSTRUCTION PROVIDE PROOF OF COMPREHENSIVE ALL RISK AND OPERATIONAL LIABILITY INSURANCE INCLUDING BLASTING (ONLY IF REQUIRED), INSURANCE POLICY TO NAME THE OWNER, AND ENGINEER AS CO-INSURED. AMOUNT OF INSURANCE TO BE SPECIFIED BY OWNERS AGENT.
 10. CONNECTION TO EXISTING SYSTEMS AS DETAIL, INCLUDING ALL RESTORATION WORK NECESSARY TO REINSTATE SURFACES TO THE CONDITION THAT EXISTED PRIOR TO CONSTRUCTION OR BETTER.
 11. DETERMINE THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION. VERIFY AND ASSUME ALL RESPONSIBILITY FOR ALL EXISTING UTILITIES WHETHER OR NOT SHOWN ON THESE DRAWINGS.
 12. OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE MUNICIPALITY BEFORE COMMENCING CONSTRUCTION.
 13. RESTORE ALL TRENCHES AND SURFACE OF PUBLIC ROAD ALLOWANCES TO CONDITION AT LEAST EQUAL TO ORIGINAL CONDITION AND TO THE SATISFACTION OF MUNICIPALITY. STANDARD ROAD CUT SHALL BE IN ACCORDANCE WITH OPSD 509.010. ASPHALT RESTORATION SHALL BE IN ACCORDANCE WITH OPSD-310. BOULEVARDS SHALL BE REINSTATE WITH 100mm OF TOPSOIL AND SEED.
 14. REMOVE EXCESS EXCAVATED MATERIAL OFFSITE UNLESS OTHERWISE INSTRUCTED BY ENGINEER.
 15. EXCAVATE AND REMOVE OFFSITE ALL ORGANIC MATERIAL, ASPHALT, CURBING AND DEBRIS. REMOVAL OF MATERIALS TO BE AT CONTRACTORS EXPENSE.
 16. ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS. ALL MEASUREMENTS UTILIZE METRIC UNITS. ALL DESIGNATED TREES WITHIN SITE LIMITS TO BE MAINTAINED AND PROTECTED UNLESS OTHERWISE INDICATED.
 17. INVESTIGATION REPORT FOR SUBSURFACE INFORMATION PREPARED BY THE GEOTECHNICAL CONSULTANT. INTERPRETATION OF INFORMATION IS THE RESPONSIBILITY OF THE CONTRACTOR. NO RECYCLED GEOTECHNICAL MATERIAL SHALL BE PERMITTED FOR USE ONSITE.



- GRADING NOTES:**
1. ALL ORGANIC MATTER, TOPSOIL AND UNSUITABLE MATERIAL IS TO BE STRIPPED FROM AREAS THAT ARE TO BE PAVED AND CURBED. GRADE AND/OR FILL BETWEEN BUILDINGS AND SWALES WHERE REQUIRED TO POSITIVE DRAINAGE.
 2. THE CONTRACTOR SHALL PLACE FILTER CLOTH UNDER ALL MANHOLE GRATES. THE FILTER CLOTH IS TO REMAIN IN PLACE UNTIL GRASS IS ESTABLISHED.
 3. MATCH EXISTING ELEVATIONS AT ALL PROPERTY LINES UNLESS OTHERWISE NOTED. ENSURE POSITIVE DRAINAGE WHETHER INDICATED OR NOT.
 4. MINIMUM 1% (2% PREFERRED) GRADE FOR ALL GRASS AREAS UNLESS OTHERWISE NOTED.

NOTE:
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

No.	REVISION	DATE	BY
3.	ISSUED FOR CONSTRUCTION	03/25/21	TJM
2.	ISSUED FOR ECA	12/09/20	TJM
1.	ISSUED FOR MUNICIPAL APPROVAL - PHASE 3	03/11/20	TJM



DESIGN	TM
CHECKED	MER
DRAWN	CV
CHECKED	TM
APPROVED	MER



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LOCATION
MUNICIPALITY OF MISSISSIPPI MILLS
MISSISSIPPI MILLS BUSINESS PARK - PHASE 3

DRAWING NAME
GRADING & EROSION CONTROL PLAN

PROJECT No. 104161-00
REV # 3
DRAWINGS No. 104161-PH3-QR