



SWCC RICHMOND SPRAY
PAD

GRADING PLAN

LEGEND:

- PROPERTY LINE
- LIMIT OF WORK
- EXISTING BUILDING(S)
- EXISTING TREES TO REMAIN
- THICKENED EDGE CONCRETE PAD
- ASPHALT PATH
- PLANTING BED
- SOD
- EXISTING BOLLARDS
- TREE PROTECTION FENCING (REFER TO SPECIFICATIONS)
- PROPOSED GRADES
- EXISTING GRADES
- PROPOSED SLOPES
- PROPOSED SWALE
- EXISTING CB
- PROPOSED CB
- EXISTING MANHOLES
- PROPOSED RIPRAP RAINWATER PADS (SLOPED MIN. 2%)

KEYNOTES:

1. MAINTAIN POSITIVE DRAINAGE AWAY FROM BUILDING, EXISTING CONCRETE PADS. GRADING AT BUILDING PERIMETER TO BE RAISED, RE-CONTOURED TO SUIT GRADES SHOWN
- 1.1. BUILDING PERIMETER RE-GRADING TO END AT NORTHERN LIMIT OF BUILDING ADDITION AND EXISTING CONCRETE PAD AT SOUTHERN LIMIT OF BUILDING ADDITION
- 1.2. GRADES TO BE RAISED TO UNDERSIDE OF CORRUGATED SIDING FLASHING, APPROXIMATE 232.48 ELEVATION
2. EXISTING GRADES AT LIMITS OF INFIELD TO BE RE-ESTABLISHED, NO GRADING PROPOSED 450mm BEYOND LIMITS
3. EXISTING GRANULAR PATHWAY SURFACING TO BE REPAIRED, RAISED TO MATCH NEW PATH ELEVATION AND/OR RE-SURFACED TO MATCH EXISTING SLOPES.
4. CONCRETE SPRAY PAD TO DRAIN INTERNALLY. ESTABLISH POSITIVE DRAINAGE AWAY FROM PAD LIMITS
5. VALVE CABINET PAD CONCRETE PAD AND WATER METER PIT TO BE MIN. 100mm ABOVE FINISHED GRADE
6. TURF SWALE PER SCD-664
7. ESTABLISH SWALE ALONG BERM, CL TO BE OFFSET MIN. 500mm FROM TOE OF BERM
8. EXISTING CONCRETE RAINWATER LEADER SPLASH PAD TO BE ADJUSTED TO ACHIEVE POSITIVE DRAINAGE AWAY FROM STRUCTURE, MIN. 5% SLOPE
9. GRANULAR PATH CROSS SLOPES TO BE BETWEEN 1.5-2.0% AWAY FROM BUILDING

GRADING NOTES:

1. ALL ELEVATIONS SHOWN IN METRIC, ADD 200 FOR PROPOSED GEODETIC ELEVATIONS. NUMBERS WITH DECIMALS INDICATE METERS. WHOLE NUMBERS INDICATE MILLIMETERS.
2. ALL GRADING TO BE STAKED ON SITE FOR REVIEW AND APPROVAL BY CONTRACT ADMINISTRATOR PRIOR TO CONSTRUCTION.
3. CONTRACTOR TO BE ADVISED THAT EXISTING GRADES ARE GIVEN AS INFORMATION ONLY AND SHOULD BE VERIFIED ON SITE. REPORT ANY DISCREPANCIES.
4. ALL PROPOSED ELEVATIONS TO BE FINISHED ELEVATIONS. FINISHED ELEVATIONS IN ALL PLANTING BEDS TO BE TOP OF MULCH.
5. REFER TO LAYOUT PLAN L102 FOR LAYOUT OF ALL PATHWAYS, CONCRETE SPRAY PAD, ETC.
6. REFER TO PLANTING PLAN L201 FOR ALL TREE AND SHRUB BED PLANTING.
7. CONTRACTOR SHALL PROVIDE A QUALIFIED CREW TO LAY OUT SITE ELEMENTS. THE CREW SHALL BE EQUIPPED WITH ALL THE NECESSARY EQUIPMENT TO PROVIDE HORIZONTAL AND VERTICAL LAYOUT IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
8. MAINTAIN EXISTING GRADES AT ALL PROPERTY LINES AND LIMIT OF WORK LINES UNLESS OTHERWISE NOTED. ENSURE POSITIVE DRAINAGE IN ALL AREAS TO CATCH BASINS AND CURB INLETS.
9. SEATING NODES AND SPRAY PAD SLOPES UNLESS OTHERWISE NOTED:
 - MAXIMUM 3%
 - MINIMUM 1%
 - MAXIMUM CROSS SLOPE 2%
11. SODDED AREA SLOPES UNLESS OTHERWISE NOTED:
 - MAXIMUM 25%
 - MINIMUM 1%
12. GRANULAR PATH SLOPES UNLESS OTHERWISE NOTED:
 - MAXIMUM 5%
 - MINIMUM 0.5%
 - MAXIMUM CROSS SLOPE 2%
13. ANY DEVIATION FROM THE ABOVE SLOPES TO BE APPROVED BY CONTRACT ADMINISTRATOR PRIOR TO CONSTRUCTION.
14. CONTRACTOR TO ADJUST GRADES OF ALL SERVICES WITHIN LIMIT OF WORK AS REQUIRED. REFER TO ENGINEER'S DRAWINGS AND SPECIFICATIONS FOR ALL MANHOLES, CATCH BASINS, FIRE HYDRANT, CURB STOPS, ETC. REMOVALS, RELOCATIONS AND ADJUSTMENTS.
15. CATCH BASINS, CURB INLETS, MANHOLES, FIRE HYDRANTS AND WATER VALVES TO BE ABANDONED OR ADJUSTED ARE TO BE TO CITY OF WINNIPEG SPECIFICATIONS.
16. CONTRACTOR IS RESPONSIBLE FOR ALL EXCAVATIONS, REMOVALS, DISPOSALS, AND ROUGH GRADING AS REQUIRED TO CONSTRUCT ALL WORKS AS SHOWN ON PLAN, DETAILS, AND SPECIFICATIONS.
17. FILL ALL HOLES AND LOW AREAS TO DESIGN SUBGRADE WITH COMPACTED FILL (SUITABLE TO SURFACE FINISH). FOR SODDED/PLANTED AREAS USE COMPACTED CLEAN EARTH FILL SUITABLE FOR PLANT GROWTH. FOR PAVED AREAS USE COMPACTED GRANULAR BASE. REFER TO SPECIFICATIONS.
18. USE SPECIFIED BACKFILL IN ALL TRENCHES RUNNING BELOW ALL STRUCTURES, PAVING, WALKWAYS, ETC.
19. IF POWER EQUIPMENT IS TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:
 - NOTIFY THE GAS COMPANY AND HYDRO COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
 - TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY AND HYDRO COMPANY INSTALLATIONS.
20. CONTRACTOR TO OBTAIN LOCATION OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION. REPORT ANY DISCREPANCIES. CONTRACTOR TO BE ADVISED THAT LOCATIONS OF EXISTING SERVICES ARE GIVEN AS INFORMATION ONLY AND THAT NEW SERVICES THAT HAVE BEEN RECENTLY INSTALLED ARE NOT SHOWN.
21. ALL EXISTING TREES, PLANTING BEDS, CURBS, SIDEWALKS, AND ROADS TO REMAIN TO BE PROTECTED DURING CONSTRUCTION TO CITY OF WINNIPEG STANDARDS. AREAS DAMAGED DURING CONSTRUCTION TO BE REPAIRED TO CITY OF WINNIPEG STANDARDS AT CONTRACTOR'S OWN COSTS.
22. REFER TO CIVIL FOR UNDERGROUND UTILITY AND SERVICING CONNECTIONS.

