

CONSTRUCTION SEQUENCE NOTES

CONSTRUCTION SEQUENCE

THE CONSTRUCTION SEQUENCE SCHEDULE CONSISTS OF 8 GENERAL STEPS. THE CONTRACTOR IS TO FOLLOW THE SEQUENCE AS DESCRIBED IN THIS REPORT AND AS SUPPLEMENTED ON THE PLAN SET. THE CONSTRUCTION SEQUENCE IS AS FOLLOWS:

STEP 1: PRE-CONSTRUCTION ACTIONS

- RESOURCE PROTECTION
 - EVALUATE, MARK AND PROTECT IMPORTANT TREES AND ASSOCIATED ROOTING ZONES, WETLANDS, ON-SITE SEPTIC SYSTEMS ABSORPTION FIELDS, ETC.
- SURFACE WATER PROTECTION
 - PROTECT ON-SITE OR DOWNSTREAM SURFACE WATER SUBJECT TO DISTURBED AREA RUNOFF AS SHOWN ON DRAWINGS.
- STABILIZE CONSTRUCTION ENTRANCE
 - ESTABLISH TEMPORARY CONSTRUCTION ENTRANCE.
 - STABILIZE BARE AREAS (ENTRANCES, CONSTRUCTION ROUTES AND EQUIPMENT PARKING AREAS) IMMEDIATELY AS WORK TAKES PLACE. THE CONTRACTOR SHALL TOP THESE AREAS WITH GRAVEL OR MAINTAIN VEGETATIVE COVER.
 - REMOVE SEDIMENT TRACKED ONTO PUBLIC STREETS TO THE SATISFACTION OF THE INSPECTING ENGINEER OR GOVERNING MUNICIPALITY. CONTINUE TO REMOVE ANY SEDIMENT TRACKED THROUGHOUT THE FOLLOWING STEPS OR UNTIL SITE STABILIZATION IS ESTABLISHED.
- PERIMETER SEDIMENT CONTROLS
 - INSTALL SILT FENCE AS SHOWN ON DRAWINGS, OR AS DIRECTED BY INSPECTING ENGINEER OR GOVERNING MUNICIPALITY. PLACE SILT FENCE ON OR PARALLEL TO CONTOURS WHERE THERE IS NO CONCENTRATED WATER FLOWING.
 - INSTALL PRINCIPAL SEDIMENT BASINS AS SHOWN ON THE DRAWINGS OR AS DIRECTED BY INSPECTING ENGINEER OR GOVERNING MUNICIPALITY.
 - INSTALL ADDITIONAL SEDIMENT TRAPS AND BARRIERS MAY BE REQUIRED DURING THE COURSE OF CONSTRUCTION.

STEP 2: RUNOFF AND DRAINAGE CONTROL

- RUNOFF CONTROL
 - INSTALL REMAINING EROSION CONTROL FEATURES.
 - DIVERT OFFSITE OR CLEAN RUNOFF AWAY FROM OR AROUND DISTURBED AREAS.
 - CONVEY SURFACE FLOWS FROM HIGHLY ERODIBLE SOIL AND STEEP SLOPES TO MORE SUITABLE STABLE AREAS.
 - SLOW OR REDIRECT RUNOFF FROM EXISTING OR PROPOSED CUT AND FILL SLOPES TO LOWER WATER VELOCITY.
 - ENSURE SITE DRAINAGE PREVENTS EROSION, CONCENTRATED FLOWS TO ADJACENT PROPERTIES, UNCONTROLLED OVERFLOW, AND PONDING.
- RUNOFF CONVEYANCE SYSTEM
 - INSTALL CHECK DAMS TO SLOW DOWN THE VELOCITY OF CONCENTRATED FLOWS AS SHOWN ON THE DRAWINGS.
 - STABILIZE THE CONVEYANCE SYSTEM.
 - SEED SWALES, CHANNELS AND STREAM BANKS AS SHOWN AND AS MAY BE REQUIRED.
 - PROTECT EXISTING NATURAL DRAINAGE SYSTEMS AND STREAMS BY MAINTAINING VEGETATIVE BUFFERS AND BY IMPLEMENTING OTHER APPROPRIATE EROSION CONTROL PRACTICES.

STEP 3: GRADING

- LIMIT INITIAL CLEARING AND EARTH DISTURBANCE TO THAT NECESSARY TO INSTALL SEDIMENT CONTROL MEASURES. EXCAVATION FOR FOOTINGS, CLEARING OR OTHER EARTH DISTURBANCE MAY ONLY TAKE PLACE AFTER THE SEDIMENT AND EROSION CONTROLS ARE INSTALLED.
- STOCKPILE REMOVED TOPSOIL. PROTECT, STABILIZE AND LOCATE PILE AWAY FROM STORM WATER FACILITIES.
- MAINTAIN AND DO NOT DISTURB ESTABLISHED BUFFERS, THE HIGH WATER LINE OF A WATER BODY, STEEP SLOPES OR OTHER PROTECTED ZONES.
- DO NOT IMPAIR EXISTING SURFACE DRAINAGE THAT WILL RESULT IN A POTENTIAL EROSION HAZARD IMPACTING ADJACENT LAND OR WATER BODIES.
- NOTIFY GOVERNING MUNICIPALITY AND INSPECTING ENGINEER SHOULD THEY ENCOUNTER FARM TILES DURING EARTH MOVING OPERATIONS TO DETERMINE REMOVAL, PLUG, OR CONNECTION TO STORM SEWER.

STEP 4: EROSION CONTROL MAINTENANCE AND STABILIZATION

- MAINTAIN EROSION CONTROL FEATURES IN GOOD WORKING ORDER.
- IMMEDIATELY STABILIZE SITE PERIMETER SURFACES.
- STABILIZE SOIL STOCKPILES AND EXPOSED SURFACES BY SEED, MULCH, OR OTHER APPROPRIATE MEASURES AS SOON AS POSSIBLE BUT NO LATER THAN 14 DAYS AFTER CONSTRUCTION ACTIVITY HAS CEASED IN THAT AREA.
- APPLY TEMPORARY OR PERMANENT STABILIZATION MEASURES IMMEDIATELY ON ALL DISTURBED AREAS WHERE WORK IS DELAYED OR COMPLETED.
- INSTALL ADDITIONAL MEASURES IF ORDERED BY THE INSPECTING ENGINEER OR THE GOVERNING MUNICIPALITY

STEP 5: SEDIMENT CONTROL

- SWALES OR OTHER AREAS THAT TRANSPORT CONCENTRATED FLOW SHOULD BE APPROPRIATELY STABILIZED.
- DOWNSPOUT OR SUMP PUMP DISCHARGES MUST HAVE ACCEPTABLE OUTFALLS THAT ARE PROTECTED BY SPLASH BLOCKS, SOD, OR PIPING AS REQUIRED BY SITE CONDITIONS (I.E., NO CONCENTRATED FLOW DIRECTED OVER FILL SLOPES) OR AS DIRECTED BY THE INSPECTING ENGINEER OR THE GOVERNING MUNICIPALITY.

STEP 6: MAINTENANCE AND INSPECTION

- INSPECT FEATURES AS INDICATED ON THE DRAWINGS. AT A MINIMUM, DEVELOPER WILL PERFORM INSPECTIONS ONCE EVERY 7 CALENDAR DAYS OR TWICE EVERY 7 DAYS SHOULD DISTURBED AREA MEET OR EXCEED 5 ACRES, AND WITHIN 24 HOURS AFTER PERIODS OF RAINFALL GREATER THAN 0.5 INCH.
- MAINTAIN, REPAIR AND/OR ADD EROSION AND SEDIMENT CONTROL FEATURES AS DIRECTED BY INSPECTING ENGINEER OR THE GOVERNING MUNICIPALITY.
- LOOK FOR EVIDENCE OF SOIL EROSION AND/OR POLLUTANTS ENTERING DRAINAGE SYSTEMS, PROBLEMS AT DISCHARGE POINTS (SUCH AS TURBIDITY IN RECEIVING WATER), AND SIGNS OF SOIL AND MUD TRANSPORT FROM THE SITE TO THE PUBLIC ROAD AT THE ENTRANCE.
- ROUTINE MAINTENANCE MUST BE IDENTIFIED ON THE SCHEDULE AND PERFORMED ON A REGULAR BASIS AND AS SOON AS A PROBLEM IS IDENTIFIED.
- PROVIDE AND IDENTIFY THE PERSON OR ENTITIES RESPONSIBLE FOR CONDUCTING THE MAINTENANCE ACTIONS DURING CONSTRUCTION AND POST-CONSTRUCTION.
- RETAIN A COPY OF THE INSPECTION AND QUARTERLY REPORTS ON-SITE WITH THE SWPPP DURING CONSTRUCTION PHASES IN AN ACCESSIBLE BUT SAFEGUARDED LOCATION.

STEP 7: FINALIZE GRADING & LANDSCAPING

- RESTORE ALL DISTURBED PERVIOUS AREAS IN COMPLIANCE WITH NYSDEC STORMWATER MANAGEMENT DESIGN MANUAL TABLE 5.3.
- STABILIZE ALL OPEN AREAS, INCLUDING BORROW AND SPOIL AREAS USING PERMANENT TOPSOIL, SEED, SOD, MULCH, RIP RAP OR OTHER PRACTICE AS SHOWN ON THE DRAWINGS.
- STABILIZATION MUST BE UNDERTAKEN NO LATER THAN 14 DAYS AFTER CONSTRUCTION ACTIVITY HAS CEASED OR AS NOTED IN THE SWPPP.
- REMOVE THE TEMPORARY CONTROL MEASURES WITHIN 7 DAYS AFTER DIRECTED BY INSPECTING ENGINEER OR GOVERNING MUNICIPALITY.

STEP 8: POST CONSTRUCTION CONTROLS

- IDENTIFY THE PERMANENT STRUCTURAL OR NON-STRUCTURAL PRACTICES THAT WILL REMAIN ON THE SITE.
- DEVELOPER SHALL ENSURE THAT THE PERMANENT STRUCTURAL OR NON-STRUCTURAL PRACTICES UTILIZED DURING CONSTRUCTION ARE PROPERLY DESIGNED TO SUIT THE POST-CONSTRUCTION SITE CONDITIONS.

GENERAL NOTES

- ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE TOWN OF CANANDAIGUA AND THE COUNTY OF ONTARIO STANDARDS UNLESS MORE STRINGENT CRITERIA IS SPECIFIED ON THE CONSTRUCTION DRAWINGS.
- THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE AND HAVE NOT BEEN INDEPENDANTLY VERIFIED BY THE OWNER OR IT'S REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES TO EXISTING UTILITIES THAT OCCUR DURING THE COURSE OF CONSTRUCTION.
- THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION AND ELEVATION OF UNDERGROUND UTILITIES BEFORE COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS AS MAY BE REQUIRED TO MEET EXISTING CONDITIONS. THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN ON THESE PLANS AND ANY OTHER LINES NOT SHOWN.
- LOCATION OF PROPOSED IMPROVEMENTS, DISTANCE BETWEEN FACILITIES AND APPURTENANCES SHOWN ON DRAWINGS, ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION DURING THE CONSTRUCTION STAKE OUT. THE CONTRACTOR SHALL LOCATE, FLAG, AND PRESERVE PROPERTY MARKERS, U.S.G.S., AND ALL OTHER MONUMENTS.
- EROSION CONTROL DEVICES SHALL BE ESTABLISHED PRIOR TO COMMENCING EARTHWORK. EROSION CONTROL DEVICES SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL UPSTREAM GROUND COVER HAS BEEN SUFFICIENTLY ESTABLISHED AND REMOVAL IS APPROVED BY THE OWNER. THE CONTRACTOR SHALL PROVIDE JUTE MESH OR ENGINEER APPROVED EROSION CONTROL FABRIC ON ALL SLOPES STEEPER THAN 4 ON 1. THE CONTRACTOR SHALL MAINTAIN SUCH DEVICES UNTIL VEGETATION IS FULLY ESTABLISHED AND APPROVED BY THE LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL REMOVE EROSION CONTROL DEVICES UPON ACCEPTANCE OF VEGETATIVE COVER AND AS DIRECTED BY THE ENGINEER.
- THE APPROPRIATE TOWN PERMITS WILL BE OBTAINED BEFORE CONSTRUCTION COMMENCES.
- THE CONTRACTOR SHALL MAINTAIN IN SERVICE ALL EXISTING SEWERS, CULVERTS, DITCHES, MANHOLES, AND CATCH BASINS DURING CONSTRUCTION. ANY CHANGES TO THESE EXISTING FACILITIES SHALL BE DONE BY THE CONTRACTOR AT HIS EXPENSE.
- THE CONTRACTOR IS TO VERIFY ALL EXISTING INVERT ELEVATIONS OF SEWERS PRIOR TO CONSTRUCTION OF NEW SEWERS. IF ANY INVERT ELEVATION IS FOUND TO DIFFER FROM THAT SHOWN ON THE PLANS THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
- ALL AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE FINISH GRADED AND SEEDDED AS PER PLANS AND SPECIFICATIONS.
- TRENCHES AND EXCAVATION IN GREEN AREAS SHALL BE SURFACED WITH 4" OF TOPSOIL TO A TOLERANCE OF 0.10' FROM THE ELEVATION GIVEN (FINISHED CONTOURS) SHAPED TO ALLOW SURFACE DRAINAGE.
- TOPSOIL IN ALL AREAS IN CUT OR FILL SHALL BE STRIPPED AND STOCKPILED.
- ALL WATER MAINS AND SERVICES SHALL HAVE A MINIMUM OF 5 FEET OF COVER FROM THE TOP OF THE MAIN TO FINISHED GRADE. THE CONTRACTOR SHALL CHECK ALL CUT STAKES BEFORE TRENCHING TO INSURE THAT ALL INSTALLED WATER MAINS WILL HAVE THE REQUIRED COVER.
- WHERE LAWNS ARE TO BE PLANTED IN AREAS THAT HAVE NOT BEEN ALTERED OR DISTURBED BY EXCAVATING OR STRIPPING OPERATIONS, PREPARE SOIL FOR LAWN PLANTING AS FOLLOWS:
 - TILL TO A DEPTH OF SIX INCHES
 - APPLY SOIL AMENDMENTS AND INITIAL FERTILIZERS AS SPECIFIED
 - REMOVE HIGH AREAS AND FILL IN DEPRESSIONS
 - TILL SOIL TO A HOMOGENEOUS MIXTURE OF FINE TEXTURE- (FREE OF LUMPS, CLODS, STONES, ROOTS AND OTHER EXTRANEIOUS MATTER LARGER THAN 2" IN ANY DIMENSION)
 - THE CONTRACTOR IS REQUIRED TO MOW AND / CLEAR ALL AREAS TO BE DISTURBED BY GRADING WORK TO A HEIGHT NO MORE THAN 6" PRIOR TO BEGINNING GRADING WORK.

SEEDING / GROUND COVER NOTES

1) TEMPORARY SEEDING OF DISTURBED AREAS SHALL BE PROVIDED AS FOLLOWS:

THE SURFACE TWO INCHES OF SOIL SHOULD BE LOOSENED BY DISKING, RAKING, OR BACK-BLADING WITH A BULLDOZER. IMMEDIATELY FERTILIZE WITH 300 LBS. PER ACRE (OR 7 LBS. PER 1000 SQ. FT.) OF 10-10-10 FERTILIZER. IMMEDIATELY SEED WITH THE FOLLOWING MIX:

	LBS./ACRE	LBS./1000 SQ. FT.
ANNUAL RYEGRASS	40	1
PERENNIAL RYEGRASS	40	1
OATS	40	1
WHITE CLOVER (+ INNOCULANT)	4	0.1

SEED SHOULD HAVE A GERMINATION RATE OF AT LEAST 85 PERCENT AND MINIMAL INERT MATERIAL.

2) PERMANENT SEEDING OF ALL DISTURBED AREAS SHALL BE PROVIDED AS FOLLOWS:

MEADOW SEED MIX TAT A RATE OF 100 LBS. PER ACRE USING THE FOLLOWING PROPORTIONS BY WEIGHT:

40% ORCHARDGRASS (DOCTYLLIS GLAMERATA)
30% SMOOTH BROOME GRASS (BROMUS INERMIS 'LEYSS')
8% LADINO WHITE CLOVER (TRIFOLIUM REPENS 'LADINO')
22% CLIMAX TIMOTHY (PHLEUM PRATENSE 'CLIMAX')

ALL SEEDDED AREAS SHALL RECEIVE:
FERTILIZER: 10:10:10 AT A RATE OF 1,000 LBS. PER ACRE
MULCH: APPROVED STRAW AT A RATE OF 2,000 LBS. PER ACRE

FOR HYDROSEEDING USE FOUR TIMES MANUFACTURER'S RECOMMENDED RATE)
MULCH: STRAW OR WOOD FIBER MULCH USED WITH A HYDROSEEDING METHOD, AT TWO TONS PER ACRE WITH TACKIFIER.

3) ALL SEEDDED AREAS ARE TO BE MONITORED FOR GERMINATION AND EROSION. ERODED AREAS ARE TO BE BACKFILLED, FINE GRADED AND RE-SEEDDED. AREAS THAT FAIL TO GERMINATE A MINIMUM OF 75% SHALL BE RE-SEEDDED.

4) ALL DISTURBED AREAS TO BE RECLAIMED WITH A MINIMUM OF 4" TOPSOIL.

5) IF THE SOIL DISTURBANCE IS COMPLETELY SUSPENDED AND THE SITE IS PROPERLY STABILIZED, THE OWNER/OPERATOR MAY REDUCE THE SELF-INSPECTION FREQUENCY, BUT SHALL MAINTAIN A MINIMUM OF MONTHLY INSPECTIONS IN ALL SITUATIONS (EVEN WHEN THERE IS A TOTAL WINTER SHUTDOWN). DURING PERIODS OF REDUCED INSPECTION FREQUENCY, INSPECTIONS MUST STILL BE DONE AFTER EVERY STORM EVENT OF 0.5 INCHES OR GREATER.

6) THE OWNER'S CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT, MAINTENANCE, CLEANING, REPAIR AND REPLACEMENT OF EROSION CONTROL MEASURES DURING SITE CONSTRUCTION.

LEGEND

	PARCEL BOUNDARY		UTILITY POLE
	ADJACENT PARCEL BOUNDARY		LIGHT POLE
	RIGHT-OF-WAY-LINE		HYDRANT
	EXISTING PAVEMENT, CURB		WATER VALVE
	EXISTING BUILDING		WATER MANHOLE
	CENTER LINE		SOIL BORING
	SETBACK LINE		MAIL BOX
	PROPOSED EASEMENT LINE		TELEPHONE MANHOLE
	EXISTING EASEMENT LINE		TELEPHONE PEDESTAL
	EXISTING WATERMAIN, VALVE, AND HYDRANT		TRANSFORMER
	PROPOSED WATERMAIN, VALVE, AND HYDRANT		BITUMINOUS ASPHALT
	EX. STORM SEWER WITH MANHOLE,		POST
	CATCH BASIN, END SECTION		SIGN
	CATCH BASIN AND LATERAL		IRON PIPE FOUND
	MANHOLE		STONE MONUMENT FOUND
	INLET MANHOLE		CAPPED IRON ROD FOUND
	EX. SANITARY SEWER WITH MANHOLE		IRON ROD FOUND
	PROPOSED SANITARY SEWER LATERAL		CAPPED IRON ROD SET
	EXISTING POWER POLE W/O.H. WIRES		CATCH BASIN
	EXISTING UNDERGROUND ELECTRIC		DRAIN MANHOLE
	EXISTING GAS MAIN AND VALVE		SANITARY MANHOLE
	PROPOSED GAS MAIN AND VALVE		CLEANOUT
	UNDERGROUND TELEPHONE		GAS VALVE
	EXISTING CONCRETE WALK		ELECTRIC MANHOLE
	EXISTING BLACKTOP DRIVEWAY		
	EXISTING BLACKTOP WALK		
	EXISTING CONCRETE RETAINING WALL		
	EXISTING CONTOUR		
	PROPOSED CONTOUR		
	EXISTING SPOT ELEVATION		
	PROPOSED SPOT ELEVATION		
	TREE/VEGETATION PROTECTION BARRIER		
	BOTTOM OF CURB		
	TOP OF WALL		
	TOP OF CURB		
	BOTTOM OF STEP		
	TOP OF STEP		

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PROJECT

GENECCO-
EMERSON RD
PROPERTY

2281 NYS RT. 332
TOWN OF CANANDAIGUA
ONTARIO COUNTY, NY

TITLE OF DRAWING

GRADING AND
EROSION CONTROL
PLAN

DATE

5/28/19

DRAWN BY

LAH

CHECKED BY

DCM

SCALE

1"=30'



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REVISIONS		DATE	BY

PROJECT NO.

974

DRAWING NO.

G-2