

- GENERAL NOTES:

  1. INSTALL SILT FENCE AS SHOWN ON PLAN, AS REQUIRED BY THE CITY OF PLYMOUTH OR DIRECTED BY THE ENGINEER.

  2. THE WATER QUALITY POND MUST BE EXCAVATED AT THE BEGINNING
- OF GRADING OPERATIONS TO PROVIDE TEMPORARY STORM WATER DETENTION DURING CONSTRUCTION. SAND AND SILT MUST BE REMOVED FROM THE POND AS NECESSARY DURING CONSTRUCTION AND AT THE COMPLETION OF THE PROJECT.
- BEGIN GRADING, INSTALL PERFORATED RISER PIPE IN POND WHEN POND GRADING IS COMPLETE. TEMPORARY DRAINAGE PIPE SHALL BE USED FOR INTERMEDIATE DRAINAGE DURING THE CONSTRUCTION
- PERIOD AS NECESSARY AND DIRECTED BY THE ENGINEER. INSTALL SILT FENCE AROUND EXCAVATED PONDS.
  INSPECT POND, SILT FENCE, AND ROCK ENTRANCE BERM AFTER ALL
- RAINFALL EVENTS AS REQUIRED BY THE NPDES PERMIT.
  LINE ALL PONDS WITH A MINIMUM 3" ORGANIC SOILS & SEED SLOPES
  BETWEEN NWL AND 100 YR HWL WITH A WATER TOLERANT MIX. (OR AS NOTED)
- REMOVE PERFORATED RISER PIPE WHEN STORM SEWER AND OUTLET STRUCTURE FOR PONDS ARE INSTALLED.
- POND 10:1 BENCH (1 FOOT) THEN 3:1 MAX
- LO & WO PADS 3:1 MAX. ALL OTHER SLOPES 4:1 MAX (UNLESS NOTED) THE GRADING CONTRACTOR IS RESPONSIBLE FOR ALL STORM WATER INSPECTIONS ACCORDING TO THE MPCA STORM WATER PERMIT. THIS INCLUDES BOTH WEEKLY INSPECTIONS AND INSPECTIONS DONE AFTER A 0.5" RAIN EVENT. A COPY OF THE INSPECTION REPORT MUST BE EMAILED TO THE ENGINEER AND DEVELOPER ON A WEEKLY BASIS.
- 10. THE CONTRACTOR SHALL PLACE INLET PROTECTION DEVICES IN ACCORDANCE WITH THE CITY OF PLYMOUTH DETAIL ST-228 ST-23 FOR ALL STORM SEWER INLETS AND MAINTAIN THEM AS AN EFFECTIVE SILT CONTROL DEVICE. INLET PROTECTION SHALL BE REMOVED WHEN
- RESTORATION HAS BEEN ESTABLISHED.

  ALL RETAINING WALLS WILL REQUIRE A STRUCTURAL DESIGN, A BUILDING PERMIT & A FINAL INSPECTION REPORT.
- 12 A 1"-2" CRUSHED ROCK ENTRANCE BERM SHALL BE PLACED AT THE SITE ENTRANCE, TO REPLACE SILT FENCE, AND MINIMIZE EROSION ON TO THE STREETS. THE ROCK BERMS SHALL BE THE WIDTH OF THE ENTRANCE AND 2 FEET HIGH WITH 4:1 SLOPES.
- THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM THE BUILDING PAD AND STREET AREAS THROUGHOUT CONSTRUCTION.
- 14. THE CONTRACTOR SHALL ATTEMPT TO PREVENT SOIL MATERIALS FROM LEAVING THE SITE BY FROSION AND VEHICLE WHEEL TRACKING HE SHALL BE RESPONSIBLE FOR CLEANING OF STREET, BOULEVARD
  AND UTILITY FACILITIES THAT RECEIVE ANY ERODED OR TRACKED SOIL MATERIAL OR OTHER CONSTRUCTION DEBRIS OR MATERIAL
- 15. EXISTING UTILITIES SHOWN ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ANY AND ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES ARISING OUT OF HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL EXISTING UTILITIES.
- 16 BUILDING PADS ARE 60' DEEP LINEESS OTHERWISE NOTED. THE FRONT AND REAR BUILDING PAD LINES ARE SHOWN ON THE PLAN. THE ENGINEER SHOULD BE CONTACTED IF THE CONTRACTOR HAS ANY QUESTIONS REGARDING BUILDING PADS.
- 17. CONTRACTOR MUST COMPLY WITH CITY OF PLYMOUTH WETLAND REPLACEMENT REQUIREMENTS.

## RESTORATION NOTES RESTORATION - 65 ACRES

RESTORE ALL DISTURBED AREAS WITH 4" TO 6" OF TOPSOIL, OR EXISTING

ON-SITE ORGANIC MTRL. B. SEED POND SLOPES AND DETENTION AREAS WITH MN/DOT 310 OR BWSR P8

SEED MIX AT A RATE OF 100 LBS./ACRE AND FERTILIZE WITH 20-0-10 AT 100

C. SEED BASIN AREAS WITH MN/DOT 33-261 SEED MIX AT A RATE OF 35 LBS./ACRE

AND FERTILIZE WITH 20-0-10 AT 100 LBS./ACRE.

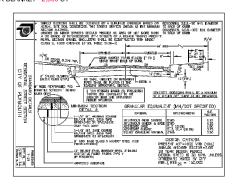
D. SEED ALL OTHER DISTURBED AREAS WITH MNDOT 250 SEED MIX AT A RATE OF 100 LBS./ACRE AND FERTILIZE WITH 20-0-10 AT 100 LBS./ACRE. (UNLESS OTHERWISE NOTED)

E. ONLY PHOSPHOROUS FREE FERTILIZER IS TO BE USED ON SITE.
F. MULCH WITH TYPE 1 AT A RATE OF 2 TONS/ACRE AND DISC ANCHOR IMMEDIATELY AFTER PLACEMENT. USE WOODFIBER BLANKET ON ALL SLOPES 3:1 (FT) OR GREATER.
G. PLACE APPROVED STORM SEWER INLET PROTECTION IN OR AROUND ALL

STORM SEWER INLETS AND MAINTAIN UNTIL STREET CONSTRUCTION IS COMPLETED. REFER TO CITY DETAILS ST-22 & ST-23 FOR APPROVED DEVICES. H. MAINTAIN ALL SILT FENCE UNTIL TURF HAS BEEN ESTABLISHED. I. RESTORATION WORK WILL BE COMPLETED WITHIN 72 HOURS OF GRADING

J. SILT FENCE, BEFORE GRADING - 12,635 LF AFTER GRADING - 6,925 LF

K. WOODFIBER BLANKET - 2,600 SY



CONTRACTOR MUST GRADE THE PUBLIC

CITY PROJECT NO

2020-056

PLYMOUTH,

**MINNESOTA** 

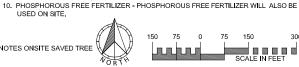
ALL SITE GRADING MUST BE COMPLETED, CERTIFIED

DENOTES ONSITE SAVED TREE

BY THE DEVELOPERS ENGINEER

USED ON SITE.

CONTROL REQUIREMENTS.



SYMBOL LEGEND

HOLDDOWN DETAILS

/ATION AND PROPOSED FOR OF TOPSCIL, HALL BE DOWN 0.50 FEET. FINISH GRADE AT ALL 10' FRONT YARD UTILI'

ON-SITE BMPS
REDUCE IMPERVIOUS AREA - REDUCTION IN STREET WIDTH FROM 32' TO 28'.
NURP POND - NURP POND WILL BE UTILIZED TO MEET OR EXCEED QUALITY AND RATE

SKIMMERS - THE POND OUTLET STRUCTURE INCLUDES A SUBMERGED INLET PIPE TO ALLOW SKIMMING.

PROVIDE SEDIMENT CONTROL. MUST BE INSTALLED OVER A SUITABLY GRADED FILTER MATERIAL OR FILTER FABRIC TO ENSURE THAT SOIL PARTICLES DO NOT MIGRATE

THROUGH THE RIP RAP AND REDUCE ITS STABILITY.
INLET PROTECTION - INLET PROTECTION WILL BE INSTALLED AND MAINTAINED IN ALL
CATCH BASINS & REAR YARD STRUCTURES. REFER TO THE CITY DETAILS TO
DETERMINE WHICH INLET PROTECTION DEVICE IS APPLICABLE.

BIOROLLS - BIOROLLS WILL BE INSTALLED ALONG REAR YARD SWALES TO PREVENT SEDIMENT FROM REACHING THE NURP POND AND ULTIMATELY DOWNSTREAM WETLANDS.

INFILTRATION/RETENTION AREAS - INFILTRATION/RETENTION AREAS WILL BE UTILIZED

TO REDUCE/RETAIN THE RUNOFF FROM THE INCREASED HARD SURFACE.
STREET SWEEPING - STREET SWEEPING WILL BE DONE A MINIMUM OF ONCE PER
WEEK OR MORE FREQUENTLY TO MINIMIZE DUST CONTROL AND VEHICLE TRACKING.

SLOPE STABILIZATION - SILT FENCE WILL BE INSTALLED ALONG DOWN GRADIENT GRADING LIMITS AND WOODFIBER BLANKET WILL BE UTILIZED ON ALL SLOPES 3:1 OR GREATER TO PROVIDE ADEQUATE SLOPE STABILIZATION.

RIP RAP - RIP RAP WILL BE UTILIZED AT ALL APRONS FOR ENERGY DISSIPATION AND

BUILDING SETBACK LIN

PARCEL BOUNDARY LINE

CURB AND GUTTER

RIGHT-OF-WAY

SANITARY SEWER MANHOL

GATE VALVE

DRAIN TILE / CLEANOU

SILT FENCE POST CONSTRUCTION

DRAWING NAME NO. BY PLOT - GP DRAWN BY FR.I CHECKED BY

DATE

THE CONTRACTOR SHALL DETERMINE THE EXACT ORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ND PRESERVE ANY AND ALL EXISTING UTILITIES.

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LHEREBY CERTIFY THAT THIS PLAN OR SPECIFICATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

Robert S. Mohto ROBERT S. MOLSTAD, P.E. Date: 06/30/21



STANDARD DETAILS CONCRETE WALK SECTION CITY OF PLYMOUTH

FINAL GRADING PLAN **HOLLYDALE** 

FILE NO. 3120-077 31

HOLLYDALE GC DEVELOPMENT, INC

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