

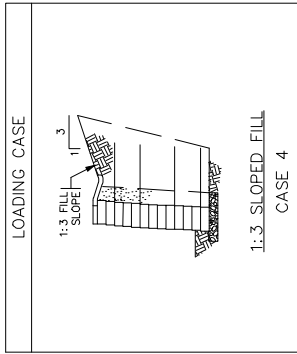


STANDARD DETAILS

TYPICAL RETAINING WALL DETAIL

CITY OF PLYMOUTH

PUBLISHED
1-24
CITY PL. NO.
STRT-26
REVISED 1-24



LOADING CASE
1:3 FILL SLOPE
1:3 SLOPED FILL
CASE 4

DESIGN CRITERIA
SEE SPECIAL PROVISIONS

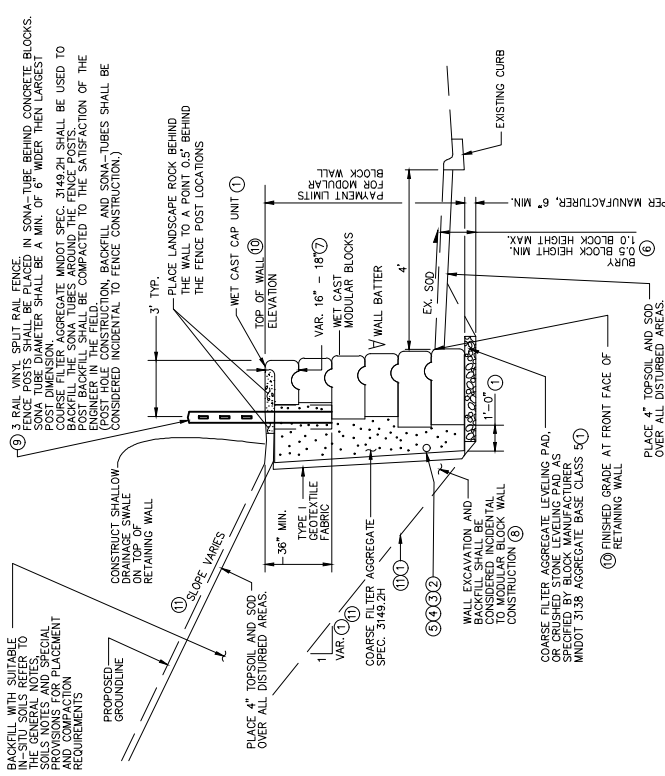
NOTES TO CONTRACTOR:

- PROVIDE DETAILED DRAWINGS FOR CONSTRUCTION CONTAINING:
- ELEVATION VIEW WITH REINFORCEMENT PLACEMENT REQUIREMENTS, WALL FACING LAYOUT, AND GEOMETRIC INFORMATION.
 - PLAN VIEW WITH BOTTOM AND TOP OF WALL ALIGNMENT, AND PLAN LIMITS OF WALL ALIGNMENT.
 - CROSS SECTIONS DETAILING BATTER, REINFORCEMENT, VERTICAL SPACING, REINFORCEMENT LENGTHS, SURFACE DRAINAGE, SURFACE DRAINAGE, AND WATER RUNOFF COLLECTION ABOVE WALL.
 - REINFORCEMENT LAYOUT. REINFORCEMENT SHALL BE PLACED AT 100% COVERAGE RATIO. REINFORCEMENT ELEVATIONS SHALL BE CONSISTENT ACROSS LENGTH OF WALL STRUCTURE.
 - NOTE BLOCK, REINFORCEMENT, AND FILL PLACEMENT METHODS AND REQUIREMENTS.
 - DETAIL ALL WALL FILL PENETRATIONS AND WALL FACE PENETRATIONS. DETAIL REINFORCEMENT AND/OR WALL FACING UNIT PLACEMENT AROUND PENETRATIONS.
 - DETAILS THAT ARE SPECIFIC TO VENDOR PRODUCTS AND THEIR INTERACTION WITH OTHER PROJECT COMPONENTS.
 - CERTIFICATION BY PROFESSIONAL ENGINEER THAT THE CONSTRUCTION LAYOUT MEETS THE REQUIREMENTS OF PLANS.

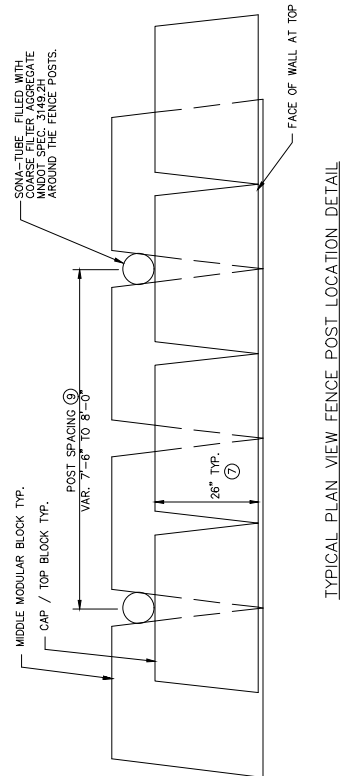
WET CAST MODULAR BLOCK UNITS

- WET CAST CONCRETE BLOCK UNITS SHALL BE:
- LARGE BLOCK WET CAST CONCRETE MODULAR BLOCK
 - STANDARD IN COLOR WITH TWO HIGHLIGHTS
 - CONTRACTOR SHALL PROVIDE OWNER WITH A TEST SECTION FOR REVIEW TO VERIFY COLOR PRIOR TO PROCEEDING WITH FULL APPLICATION.

DEFINITION OF TERMS
MBW = MODULAR BLOCK
LL = LIVE LOAD
C.I.P. = CAST-IN-PLACE
H = WALL HEIGHT



TYPICAL WET CAST MODULAR BLOCK RETAINING WALL DETAIL



GENERAL NOTES:

- UTILITIES:
EXISTING AND PROPOSED UTILITIES ARE SHOWN IN THE GRADING PLANS. THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING FACILITIES AND SHALL EXERCISE CARE IN ADJACENT CONSTRUCTION.
- EXCAVATION AND EMBANKMENT:
ALL EXCAVATION AND EMBANKMENT WORK SHALL CONFORM TO M₁/DOT 2451.
- CONSTRUCTION:
CONSTRUCTION SHALL BE IN ACCORDANCE WITH M₁/DOT 2411, EXCEPT AS NOTED.
- COMPACTION REQUIREMENTS:
COMPACT REINFORCED WALL FILL IN ACCORDANCE WITH M₁/DOT SPEC. 2105.3F2 UNLESS RECOMMENDED OTHERWISE BY THE SOILS ENGINEER.
- COMPACTION REQUIREMENTS:
COMPACT GRANULAR BEDDING IN ACCORDANCE WITH M₁/DOT SPEC. 2105.3F2 UNLESS RECOMMENDED OTHERWISE BY THE SOILS ENGINEER.

- NOTES:
- ALL EXCAVATION, BACKFILL, TOPSOIL, COARSE FILTER AGGREGATE AND GEOTEXTILE FABRIC SHALL BE INCIDENTAL TO WALL CONSTRUCTION.
 - INSPECT EXCAVATION SLOPES FOR ACTIVE SEEPAGE AND PLACE ADDITIONAL DRAINS WHERE SEEPAGE OCCURS AS DIRECTED BY THE ENGINEER.
 - PLACE DRAIN AT BOTTOM OF REINFORCED SOIL IF PIPE CAN BE SLOPED TO OUTLET, DO NOT OUTLET ONTO SIDEWALK (INC.).
 - 4\" PERFORATED DE PIPE, M₁/DOT SPEC. 3278, WRAP WITH TYPE 1 GEOTEXTILE, M₁/DOT SPEC. 3743 (TYP), INSTALLATION AS PER M₁/DOT SPEC. 2502. (INCIDENTAL TO WALL)
 - REFER TO PLAN & ELEVATION DRAWINGS FOR OUTLET LOCATIONS.
 - UNLESS DEEPER BURY IS REQUIRED BY WALL MANUFACTURER'S PROFESSIONAL ENGINEER, THE WALL SHALL BE BURY AS SPECIFIED BY THE PROJECT ENGINEER AND APPROVAL IS SPECIFICALLY GIVEN.
 - DEPEND ON BLOCK MANUFACTURER
 - THE CONTRACTOR SHALL HAVE THE OPTION TO USE SOILS OTHER THAN THE SPECIFIED SOILS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE APPROVAL OF ANY OTHER SOILS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE APPROVAL OF ANY OTHER SOILS.
 - FENCE IS NECESSARY ON WALLS OVER 30\" IN HEIGHT. FINAL FENCE LOCATION TO BE VERIFIED IN THE FIELD BY THE ENGINEER.
 - SEE PROFILE FOR WALL ELEVATIONS.
 - TEMPORARY SHORING MAY BE REQUIRED TO PROTECT EXISTING TREES FROM STRUCTURE EXCAVATION. SEE CONSTRUCTION PLANS FOR TREE LOCATIONS THAT NEED PROTECTING. TEMPORARY SHORING OR ANY OTHER MEASURES TO PROTECT EXISTING TREES DURING CONSTRUCTION SHALL BE CONSIDERED INCIDENTAL TO WALL CONSTRUCTION.

- 3\" VINYL (NOMINAL)
3\" RAIL WHITE PLASTIC VINYL
FENCE MATERIALS AND
INSTALLATION SHALL BE
APPROVED BY THE ENGINEER.
- SPLIT RAIL / RANCH STYLE FENCE

