

REVISIONS:

CON. COM. COMMENTS 10/8/24

REVIEW COMMENTS 7/30/24

REVIEW COMMENTS 7/2/24

DRAWN BY: TRT

DESIGNED BY: TRT

CHECKED BY: DK

SCALE: AS NOTED

STAMP:

SEAL: BRENDAN P. SULLIVAN No. 46922 REGISTERED PROFESSIONAL ENGINEER

SEAL: BRENDAN SULLIVAN CIVIL No. 41358 REGISTERED PROFESSIONAL ENGINEER

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North Falmouth, MA 02556
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Marine Division:
26 Union Street
Plymouth, MA 02360
508-746-6060

PROJECT #:
JN: 23-360

DEFINITIVE SITE PLAN

311 ROCKLAND STREET
HINGHAM, MA 02043

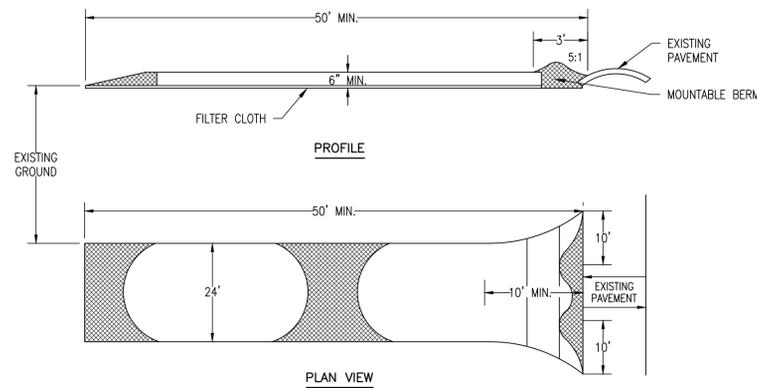
CLIENT:
RANKIN RESIDENTIAL
MAIN STREET
HINGHAM, MASS. 02043
617-877-0588

DRAWING PATH:
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10-8-24.DWG

DATE:
JUNE 7, 2024

DETAILS
ROCKLAND STREET

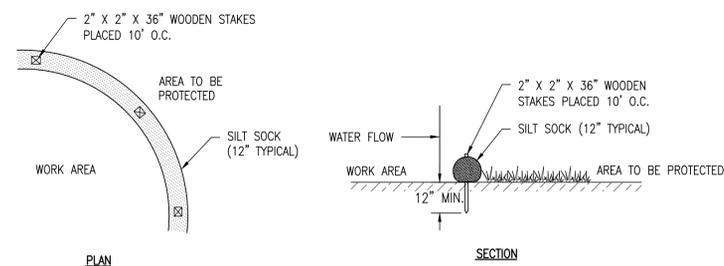
SHEET 4 of 5
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STABILIZED CONSTRUCTION ENTRANCE
(NOT TO SCALE)

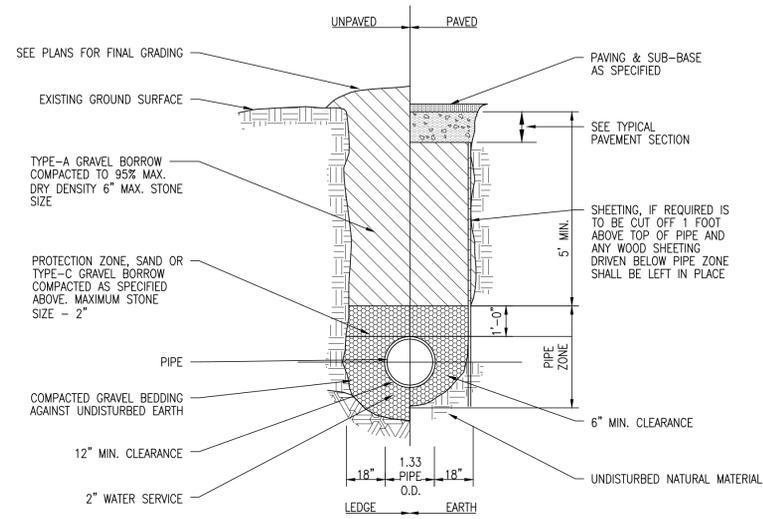
SPECIFICATIONS

- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FT. (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30' MINIMUM LENGTH WOULD APPLY).
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
- FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAYS MUST BE REMOVED IMMEDIATELY.
- WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS OF WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.



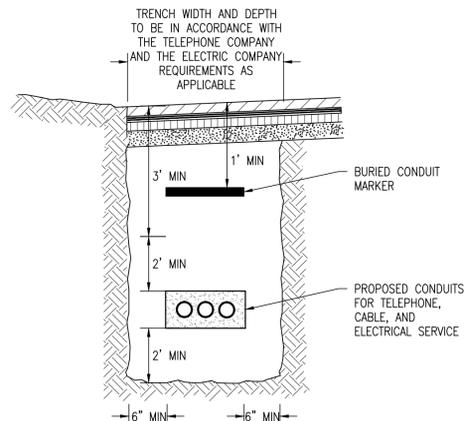
SILT SOCK DETAIL
(NOT TO SCALE)

NOTE: REFER TO THE PLAN FOR PROPOSED LOCATION.

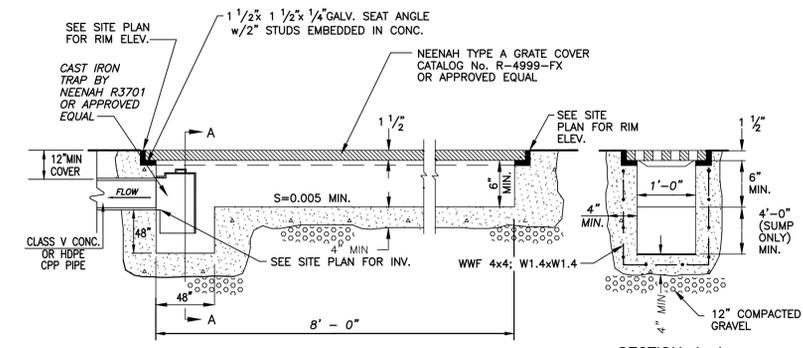


TYPICAL WATER TRENCH DETAIL
NOT TO SCALE

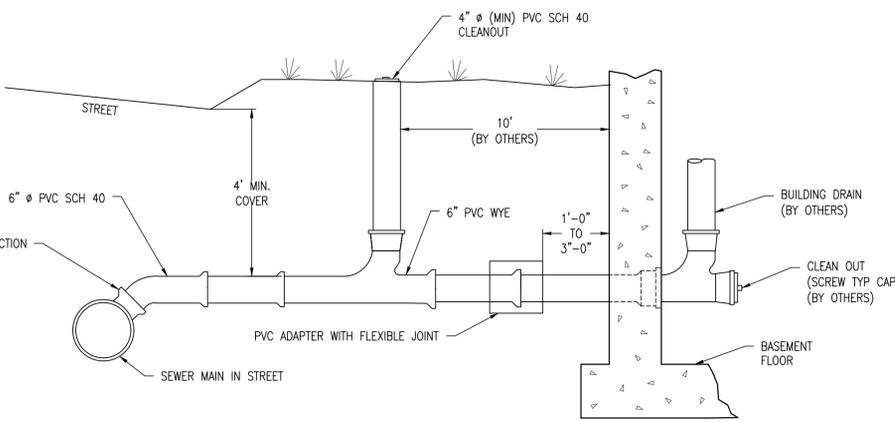
- GRAVEL BORROW SHALL CONFORM TO MASS HIGHWAY SPECIFICATION M1.03.0
- CRUSHED STONE BEDDING SHALL CONFORM TO MASS HIGHWAY SPECIFICATION M2.01.1



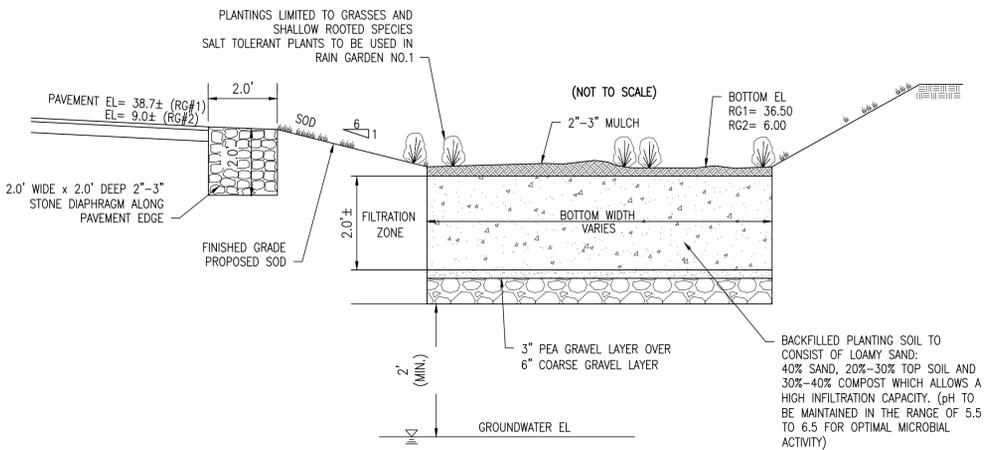
TYPICAL ELECTRIC/TELEPHONE/CABLE CONDUIT (US-UTILITY SERVICE) DETAIL
(NOT TO SCALE)



POURED IN PLACE CONCRETE TRENCH DRAIN
(NOT TO SCALE)



TYPICAL BUILDING SEWER CONNECTION DETAIL



NOTE: FINAL RAIN GARDEN PLANTING PLAN TO BE DETERMINED.

OPERATIONS AND MAINTENANCE

PRE CONSTRUCTION:
CONTRACTOR TO PREVENT SEDIMENT FROM CLOGGING ANY EXPOSED SUBGRADE TO MINIMIZE COMP ACTION BY CONSTRUCTION VEHICLES IN AREA OF STORMWATER MANAGEMENT. NO DISCHARGE FROM DEWATERING ACTIVITIES SHALL ENTER STORMWATER MANAGEMENT AREAS. NO STORMWATER DISCHARGE SHALL BE DIRECTED ONTO INFILTRATIVE SURFACES UNTIL CONTRIBUTING AREAS ARE STABILIZED.

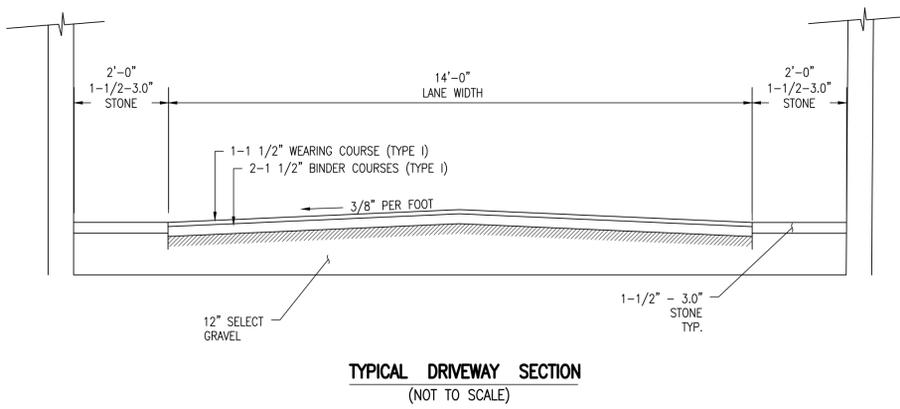
POST CONSTRUCTION:
UNTIL VEGETATION HAS BEEN ESTABLISHED, MONTHLY INSPECTIONS ARE RECOMMENDED. ONCE VEGETATION HAS BEEN ESTABLISHED, THE RAIN GARDEN BASE SHALL BE INSPECTED ON AN ANNUAL BASIS. MAINTENANCE SHOULD CONSIST NORMALLY OF REMOVAL OF DEBRIS (PRIMARYLY AT THE INFLOW POINT) AND ACCUMULATED SEDIMENT. DURING THE GROWTH SEASON THE GRASS SIDE SLOPES SHALL BE MOWED AT LEAST ONCE A MONTH. OTHER MAINTENANCE TASKS INCLUDE REPLACEMENT OF DEAD VEGETATION, EROSION REPAIR AND PH REGULATION (USUALLY ADDING LIME).

RAIN GARDEN DETAIL
(NOT TO SCALE)

| RAIN GARDEN PLANTING SCHEDULE | | | | |
|-------------------------------|----------------|----------|-------|-----------|
| BOTANICAL NAME | COMMON NAME | QUANTITY | SIZE | COMMENTS |
| HAMAMELIS VIRGINIANA | WITCH HAZEL | TBD | 4'-6' | |
| JUNIPERUS COMMUNIS | COMMON JUNIPER | TBD | 3'-6' | EVERGREEN |
| ANDROPOGON VIRGINICUS | BROOMSEDGE | TBD | 1'-3' | |

NOTE: QUANTITY AND AVAILABILITY OF PLANTINGS TO BE DETERMINED AT THE TIME OF PLANTING
SALT TOLERANT PLANT SPECIES TO BE USED IN RAIN GARDEN NO. 1

| RAIN GARDEN MAINTENANCE SCHEDULE | | |
|---------------------------------------|--------------------------|-----------|
| ACTIVITY | TIME OF YEAR | FREQUENCY |
| INSPECTION & REMOVE TRASH | YEAR ROUND | MONTHLY |
| MULCH | SPRING | ANNUALLY |
| REMOVE DEAD VEGETATION | FALL OR SPRING | ANNUALLY |
| REPLACE DEAD VEGETATION | SPRING | ANNUALLY |
| PRUNE | SPRING OR FALL | ANNUALLY |
| REPLACE ENTIRE MEDIA & ALL VEGETATION | LATE SPRING/EARLY SUMMER | ANNUALLY |



TYPICAL DRIVEWAY SECTION
(NOT TO SCALE)

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PROJECT:
**DEFINITIVE
SITE PLAN**

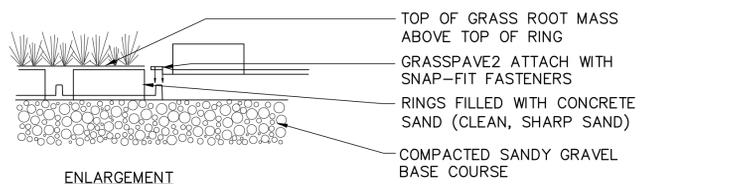
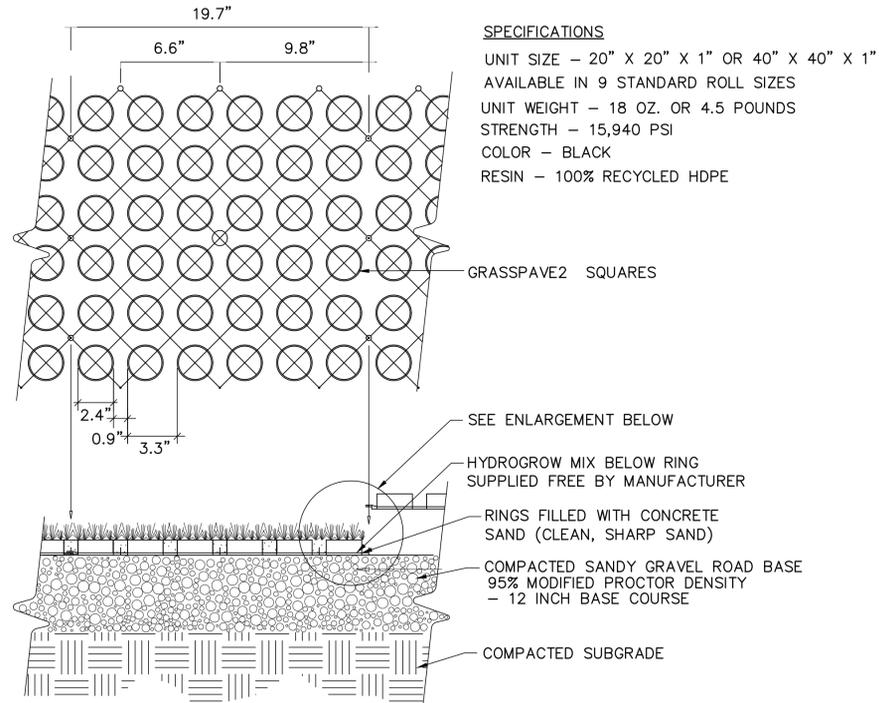
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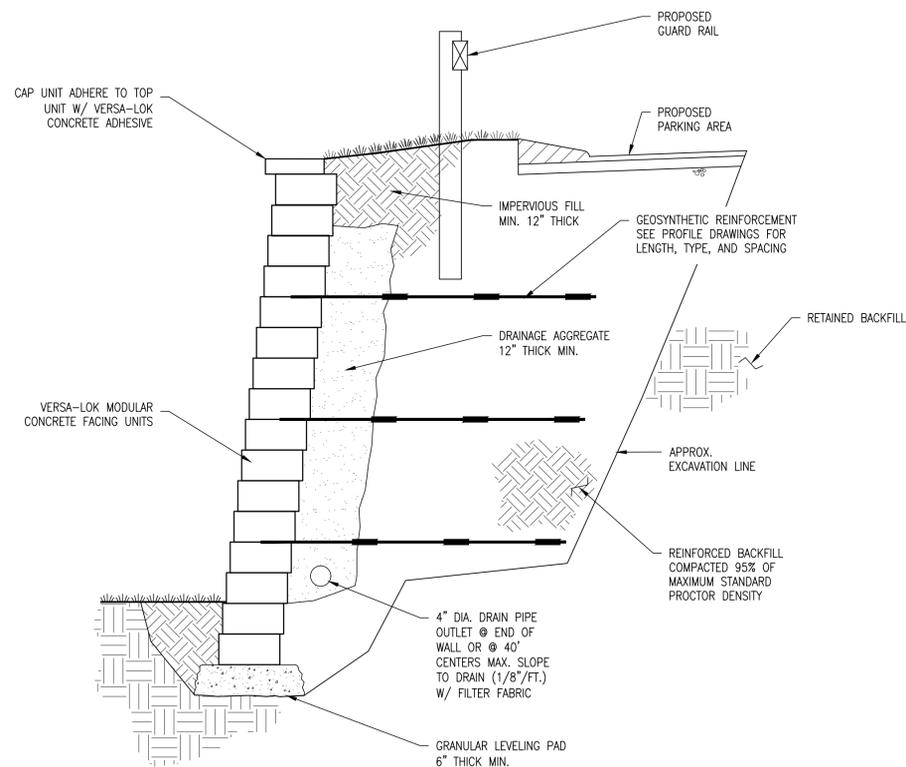
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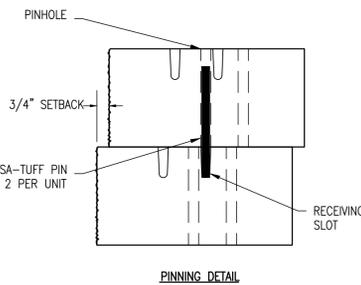
DETAILS
ROCKLAND STREET



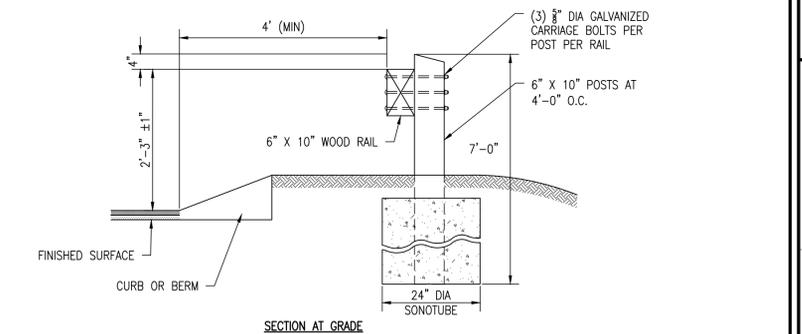
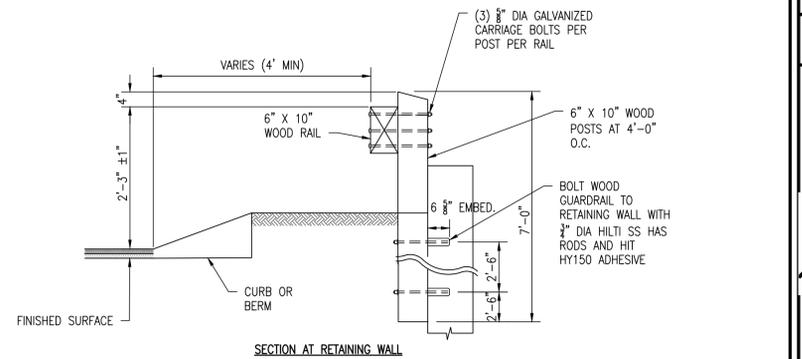
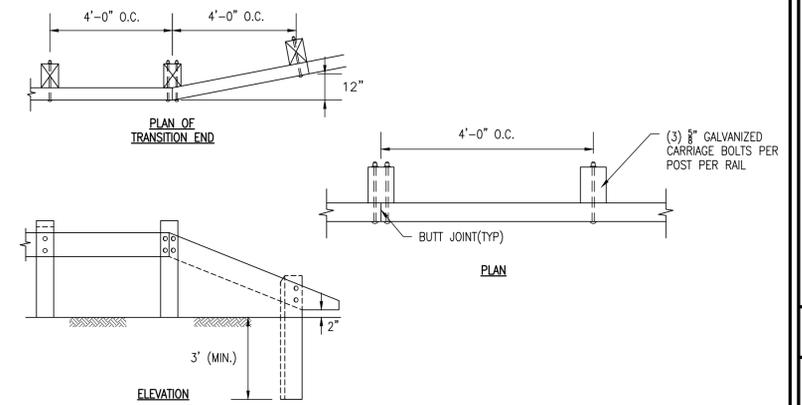
GRASSPAVE2 BY Invisible Structures, Inc. OR EQUIVALENT
TYPICAL GRASSPAVE2 DETAIL
 (NOT TO SCALE)



NOTE: DETAIL PROVIDED FOR GENERAL
 INFORMATION ONLY. STAMPED FINAL DESIGN
 OF MODULAR WALL SYSTEM TO BE
 PROVIDED BY WALL MANUFACTURER BASED
 ON GEOTECHNICAL ENGINEERS
 RECOMMENDATIONS PRIOR TO CONSTRUCTION

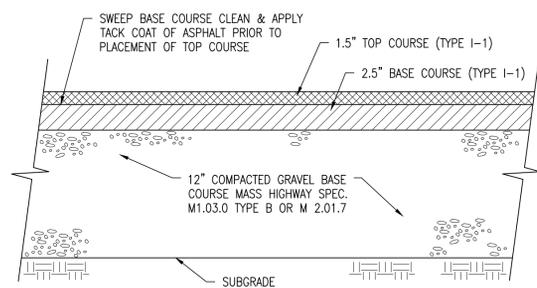


TYPICAL SECTION-REINFORCED RETAINING WALL
 (NOT TO SCALE)



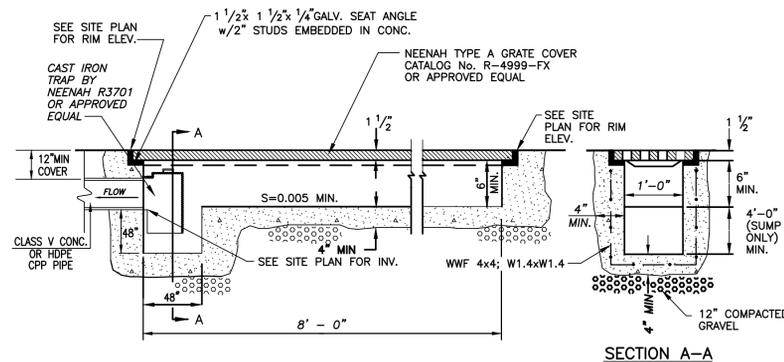
NOTES:
 1. ALL RAIL AND POST SECTIONS TO BE PRESSURE TREATED #1 SOUTHERN
 YELLOW PINE OR EQUAL.
 2. BOLT CONNECTIONS TO BE DESIGNED BY A REGISTERED PROFESSIONAL
 STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION.

WOOD GUARDRAIL DETAIL
 (NOT TO SCALE)



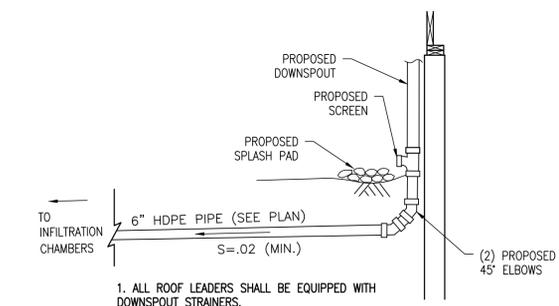
BITUMINOUS CONCRETE PAVEMENT
 (NOT TO SCALE)

NOTE:
 1. ALL UNSUITABLE MATERIAL SHALL BE REMOVED AND REPLACED WITH CLEAN GRAVEL
 BASE (95% COMPACTION)
 2. ALL DRIVEWAY AND PARKING AREAS SHALL BE CONSTRUCTED IN ACCORDANCE WITH
 GEOTECHNICAL ENGINEERS SPECIFICATIONS.



POURED IN PLACE CONCRETE TRENCH DRAIN
 (NOT TO SCALE)

NOTE: TRENCH DRAIN SIZE AND
 MATERIAL NOT FULLY DETERMINED.



TYPICAL DOWNSPOUT DETAIL
 (NOT TO SCALE)

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