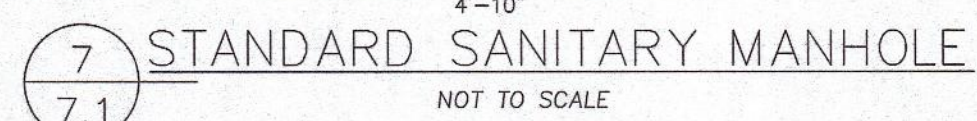
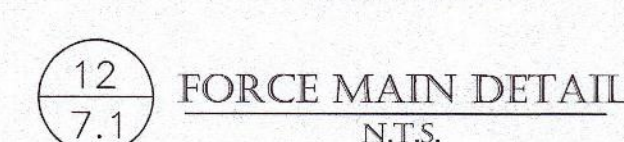
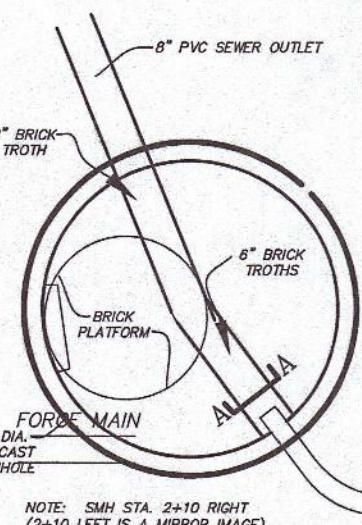
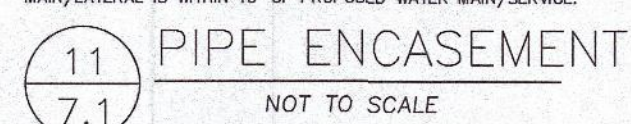
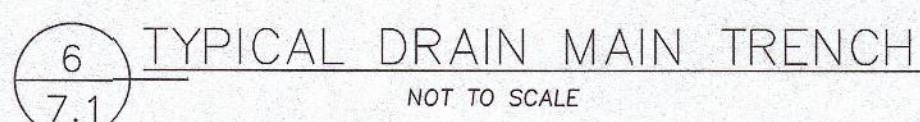
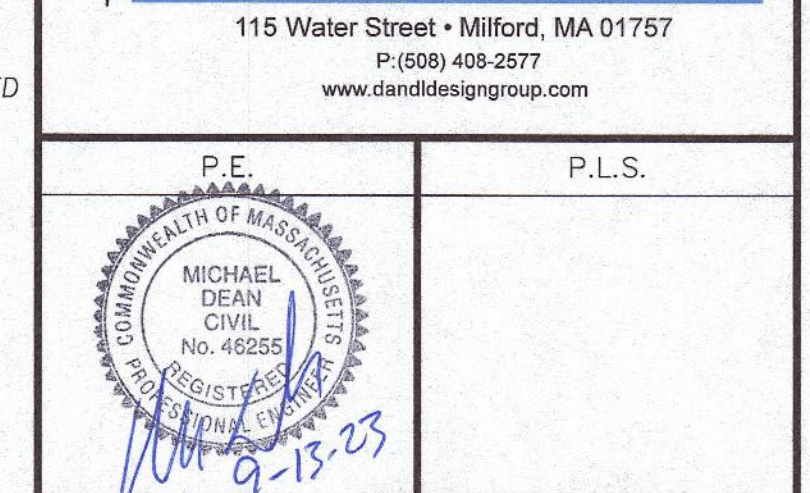
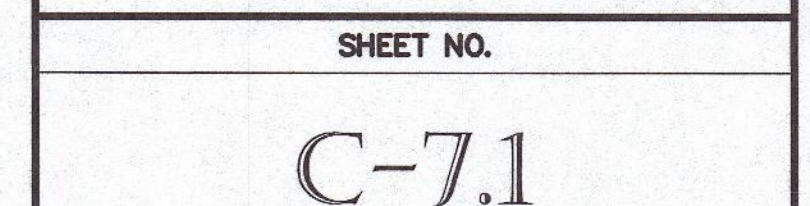
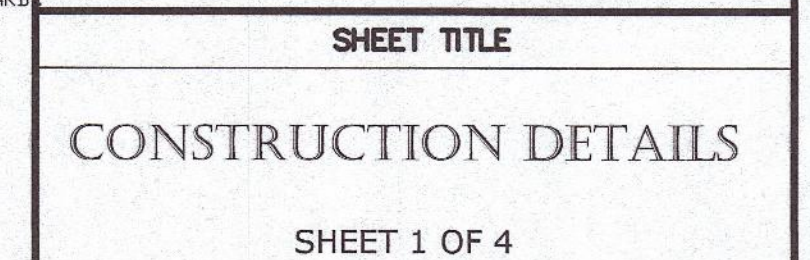
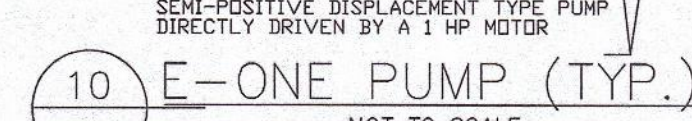
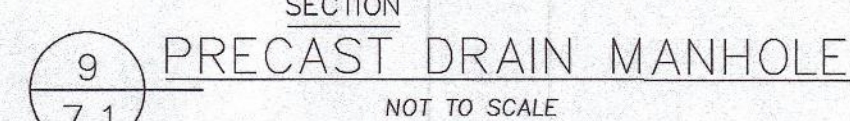


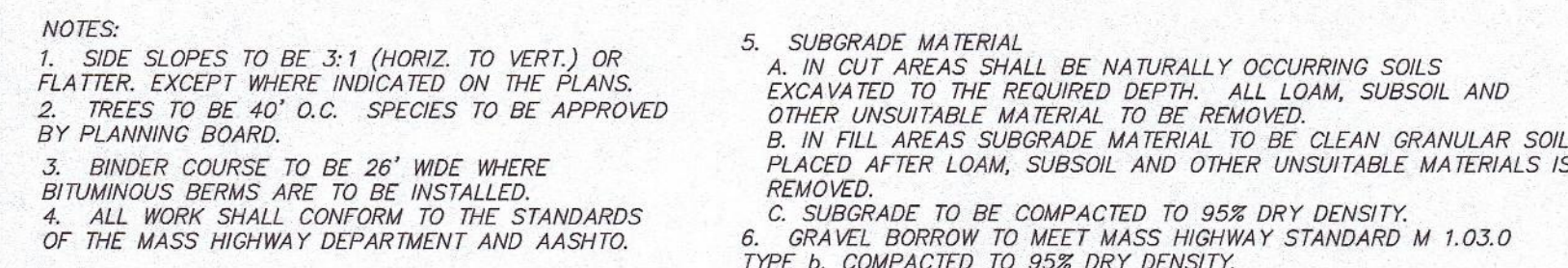
	BEARING AREA — SQ. FT.				
NORMAL FITTING DIAMETER	FITTING				
	90° BEND	45° BEND	BETWEEN 10°-45°	BRANCH OF TEE	DEAD END
6"	4	2	2	4	4
8"	7	4	3	5	5

-
- KENNEDY HYDRANT K81D BY KENNEDY VALVE CO. INC.
 5-1/4" VALVE DIAMETER. HYDRANT PAINTED HI-VISIBILITY
 YELLOW. PENTAGONAL OPERATING NUT SHALL BE 1-5/8"
 POINT TO FLAT, OPENING RIGHT. 2-2.5" HOSE AND 1-4.5"
 PUMP NOZZELS, N.S. THREADS
- ROTATE HYDRANT SO PUMPER
 CONNECTION FACES TOWARD STREET
- VARIES - SEE PLAN
- PROVIDE 4 CU. FT.
 3/4" CRUSHED STONE
 TO AT LEAST 6" ABOVE
 DRAIN.
- GATE BOX BY
 CENTRAL FOUNDRY
 5664-S, FLANGE AT BOT.
 TOP SECTION, OR APPROVED
 EQUAL
- 8" x 8" x 6" TEE
 M.J. TEE W/
 FLANGED
 BRANCH OR
 ANCHOR
- STD. OPERATING
 NUTS (SIZE)
- GROUND
 SURFACE
- COVER CRUSHED
 STONE WITH
 8 MIL
 POLYETHYLENE
- THRUST
 BLOCK
 SEE NOTE
 (DO NOT
 PLUG DRAIN)
- FLAT STONE OR CONCRETE
 BLOCK.
- 6 C.I.D.I. PIPE"
 CLASS 52
- BOLTS
- THRUST
 BLOCK
- CITY STANDARD GATE VALVE,
 M.J. 2" SQUARE OPERATING NUT,
 OPEN RIGHT, EPOXY COATED
- GASKET
- 5' MIN
 COVER
- THRUST
 BLOCK
 SEE NOTE
- THRUST BLOCK SHALL BE MINIMUM 4,000PSI CONCRETE AT 28 DAYS
 PLACED AGAINST UNDISTURBED MATERIAL MINIMUM BEARING AREA
 TO BE 4 SQUARE FEET
- HYDRANTS SHALL BE TO THE TOWN OF UPTON STANDARDS.
- 3
 7 1
- TYPICAL HYDRANT AND VALVE
- NOT TO SCALE



- 8
7.1
- PRECAST CONCRETE DEEP SUMP CATCH BASIN
- NOT TO SCALE

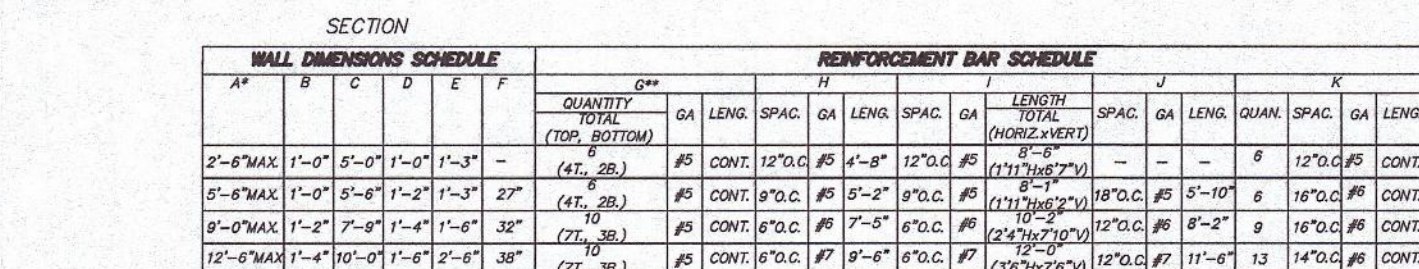
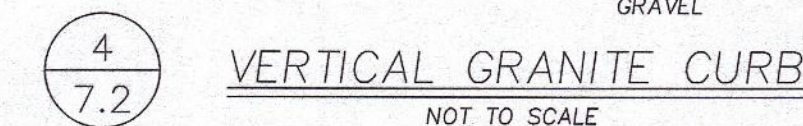
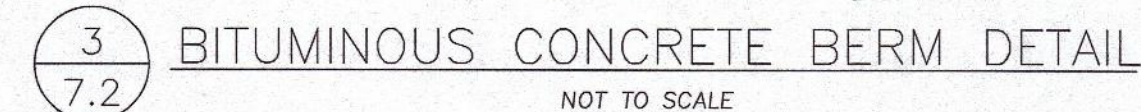
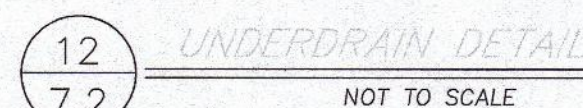
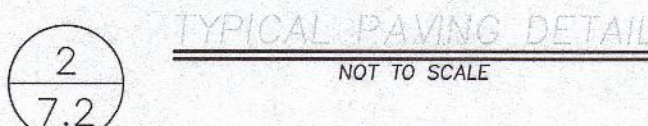
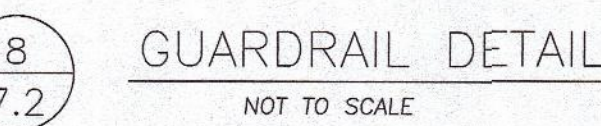




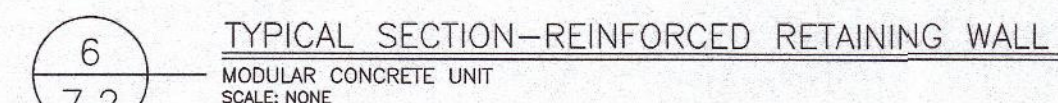
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7.2

TYPICAL CROSS SECTION

NO SCALE

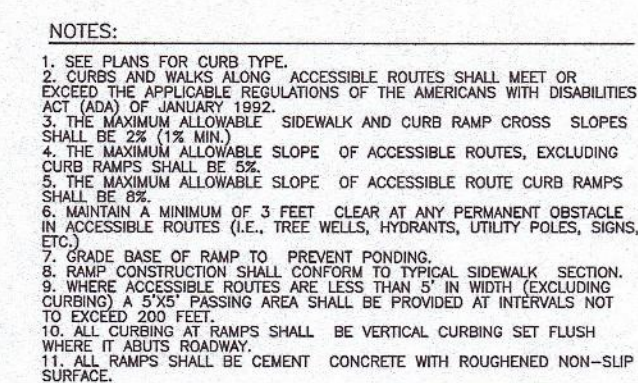



 CONCRETE RETAINING WALL DETAIL
 NOT TO SCALE



1. STRIP VEGETATION AND ORGANIC SOIL FROM WALL AND GEOSYNTHETIC ALIGNMENT.
2. BENCH CUT ALL EXCAVATED SLOPES.
3. DO NOT OVER EXCAVATE UNLESS DIRECTED BY SITE SOIL ENGINEER TO REMOVE UNSUITABLE SOIL.
4. SITE SOILS ENGINEER SHALL VERIFY FOUNDATION SOILS AS BEING COMPETENT PER THE DESIGN STANDARDS AND PARAMETERS.
5. LEVELING PAD SHALL CONSIST OF COMPACTED COARSE SAND OR CRUSHED GRAVEL, 6" THICK MIN.
6. CONTRACTOR MAY OPT FOR A LEAN CONCRETE PAD. CONCRETE PAD SHALL BE 4" THICK REINFORCED, 3" MIN. FINISH GRADE SHALL BE 1" ABOVE PAD.
7. MINIMUM EMBEDEDMENT OF WALL BELOW FINISH GRADE SHALL BE 6" FOR WALL HEIGHTS UNDER 4 FT. AND 12" FOR WALLS OVER 4 FT. UNLESS SHOWN DIFFERENTLY.
8. FOR UNITS TO BE EMBEDDED, COMPACT FILL IN FRONT OF UNITS AT THE SAME TIME.
9. DRAINAGE AGGREGATE SHALL BE INSTALLED DIRECTLY BEHIND THE WALL WITHIN 12" OF THE TOP OF THE WALL. DRAINAGE AGGREGATE SHALL NOT EXTEND BELOW THE FRONT OF THE WALL.
10. COMPACTION SHALL BE TO 85% OF MAXIMUM STANDARD PROCTOR DENSITY (ASTM D-698).
11. COMPACTION TESTS SHALL BE TAKEN AS THE WALL IS INSTALLED, THE MINIMUM NUMBER OF TESTS SHALL BE DETERMINED BY THE SITE SOILS ENGINEER.
12. COMPACTION SHALL BE TO 95% OF MAXIMUM STANDARD PROCTOR DENSITY EQUIPMENT.
13. SEE ELEVATION DRAWINGS FOR GEOSYNTHETIC TYPE, LENGTH AND LOCATION REQUIRED.
14. GEOSYNTHETIC SHALL BE PLACED WITH STRONGEST DIRECTION PERPENDICULAR TO SLOPE. FOLLOW GEOSYNTHETIC MANUFACTURER'S INSTALLATION INSTRUCTIONS AND WRITTEN SPECIFICATIONS.
15. CONTRACTOR SHALL DIRECT SURFACE RUNOFF TO AVOID DAMAGING WALL WHILE UNDER CONSTRUCTION.
16. ANY SURFACE DRAINAGE FEATURES, FINISH GRADING, PAVEMENT, OR TURF SHALL BE INSTALLED IMMEDIATELY AFTER WALL IS COMPLETED.
17. FOLLOW APPLICABLE PROVISIONS OF THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND WRITTEN SPECIFICATIONS.

IF CONDITIONS ARE DIFFERENT THAN THOSE STATED
IN THESE DRAWINGS AND SPECIFICATIONS, THE CONTRACTOR
MUST CONTACT ENGINEER PRIOR TO PROCEEDING WITH
THE CONSTRUCTION OF THE WALL.



7.2 HANDICAP RAMP DETAIL
NOT TO SCALE

115 Water Street • Milford, MA 01757
P: (508) 408-2577
www.dandidesigngroup.com



P.L.S

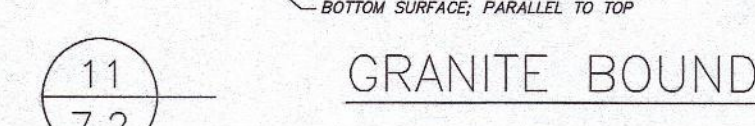
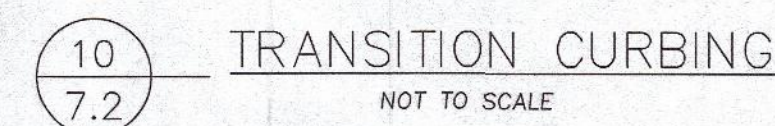
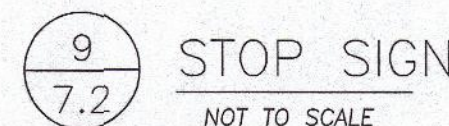
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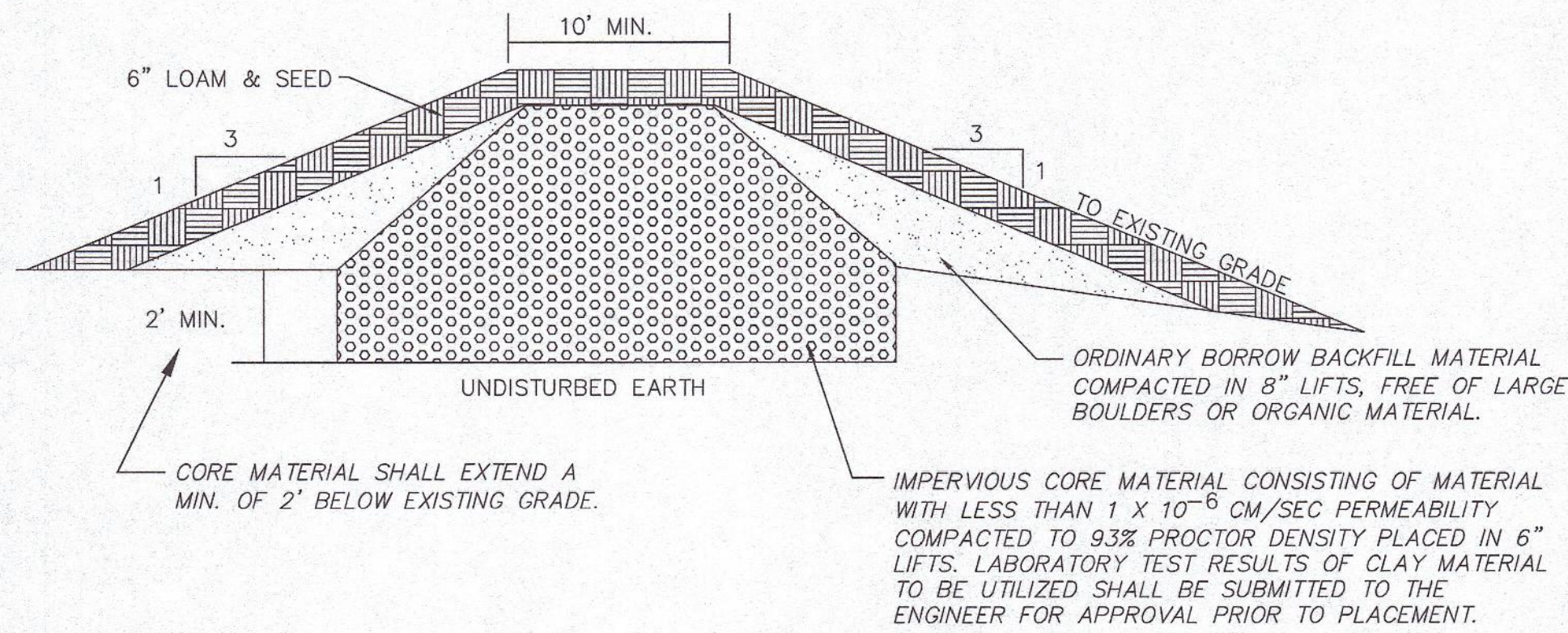
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PLAN NO.	
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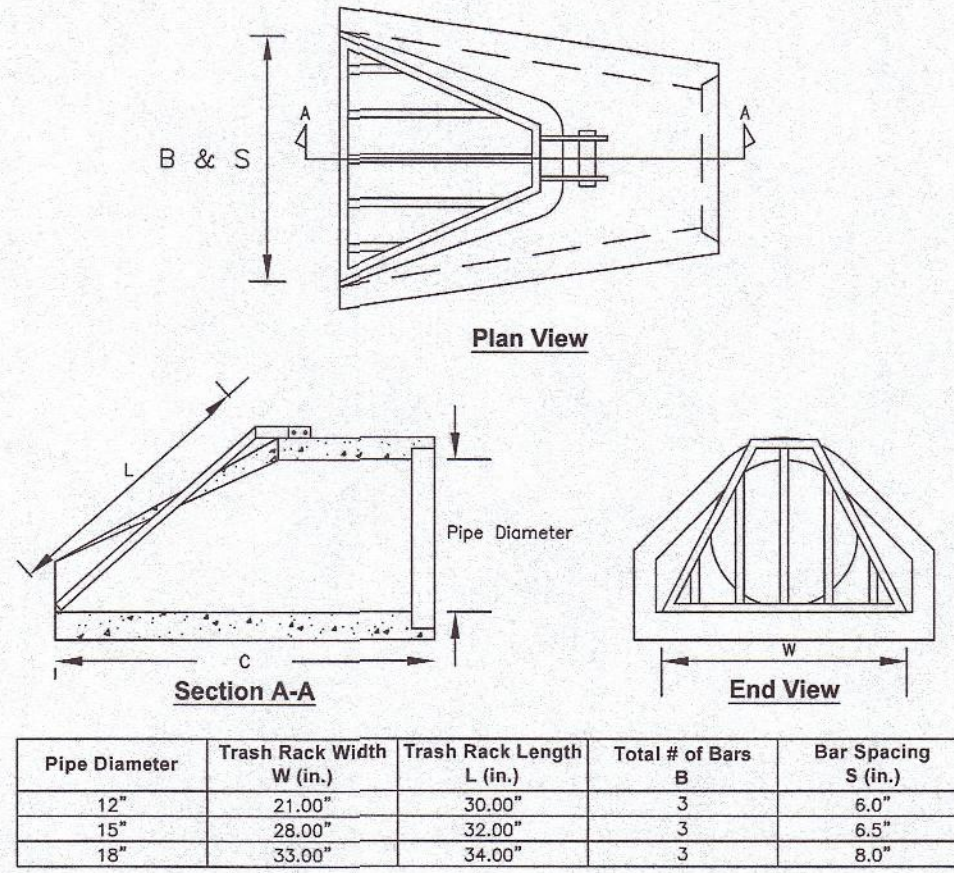
1 Charlesview Road • Hopedale, MA 01747
P:(508) 478-6235

C-7.2

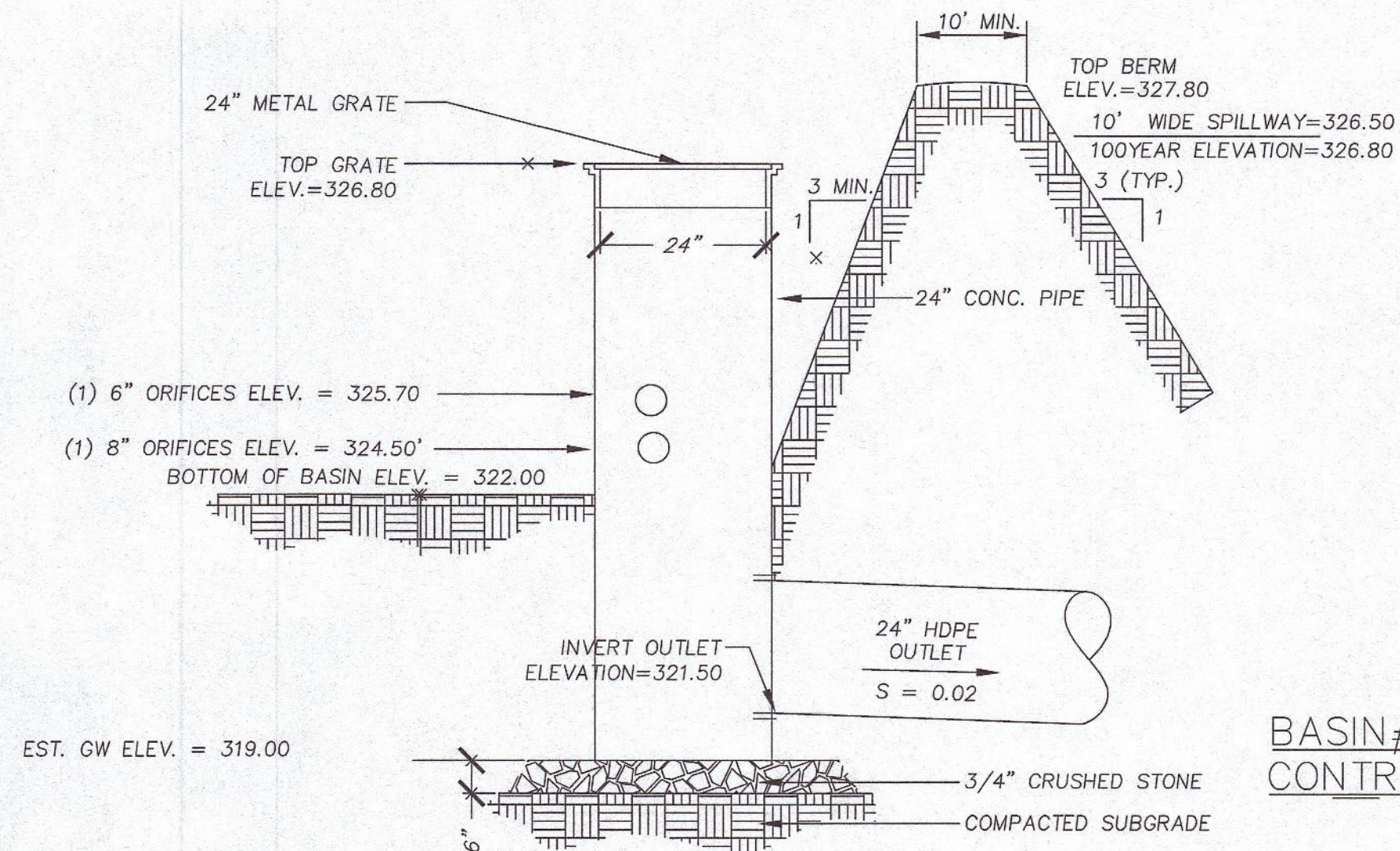




1
7.3 DETENTION BASIN DETAIL
NOT TO SCALE

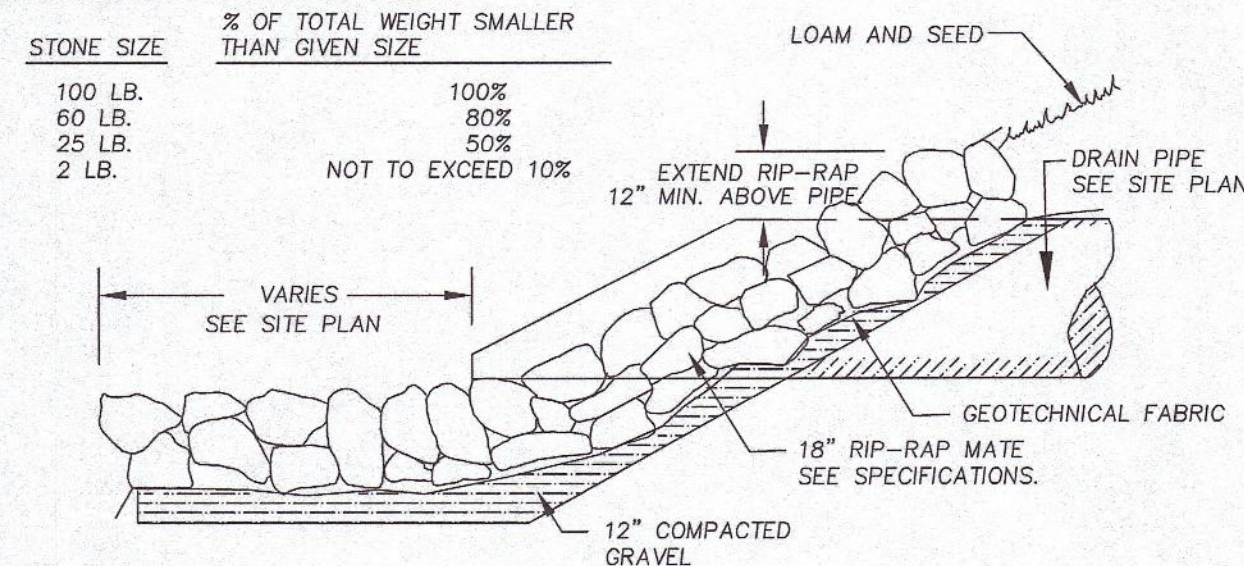


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7.3 PIPE TRASH GUARD
NOT TO SCALE

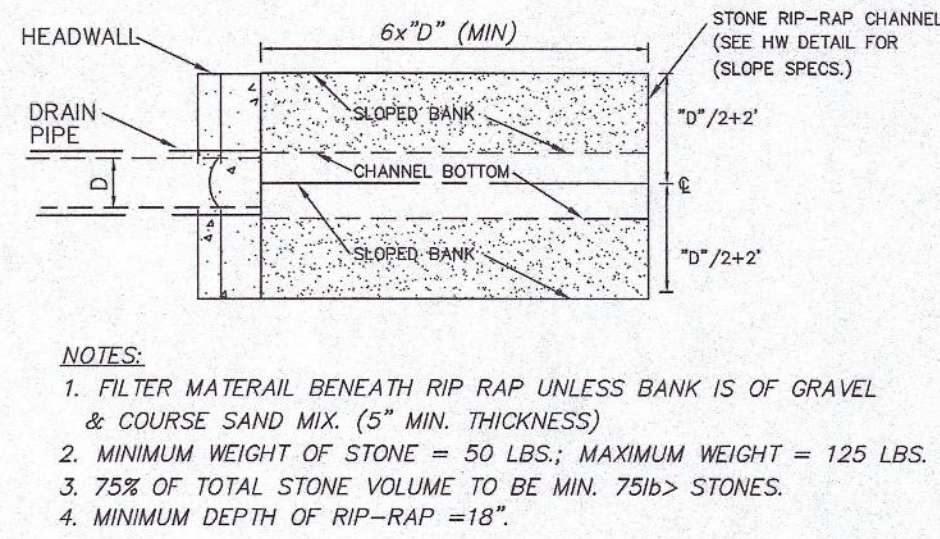


BASIN#2 ROUND OUTLET
CONTROL STRUCTURE #2
NOT TO SCALE

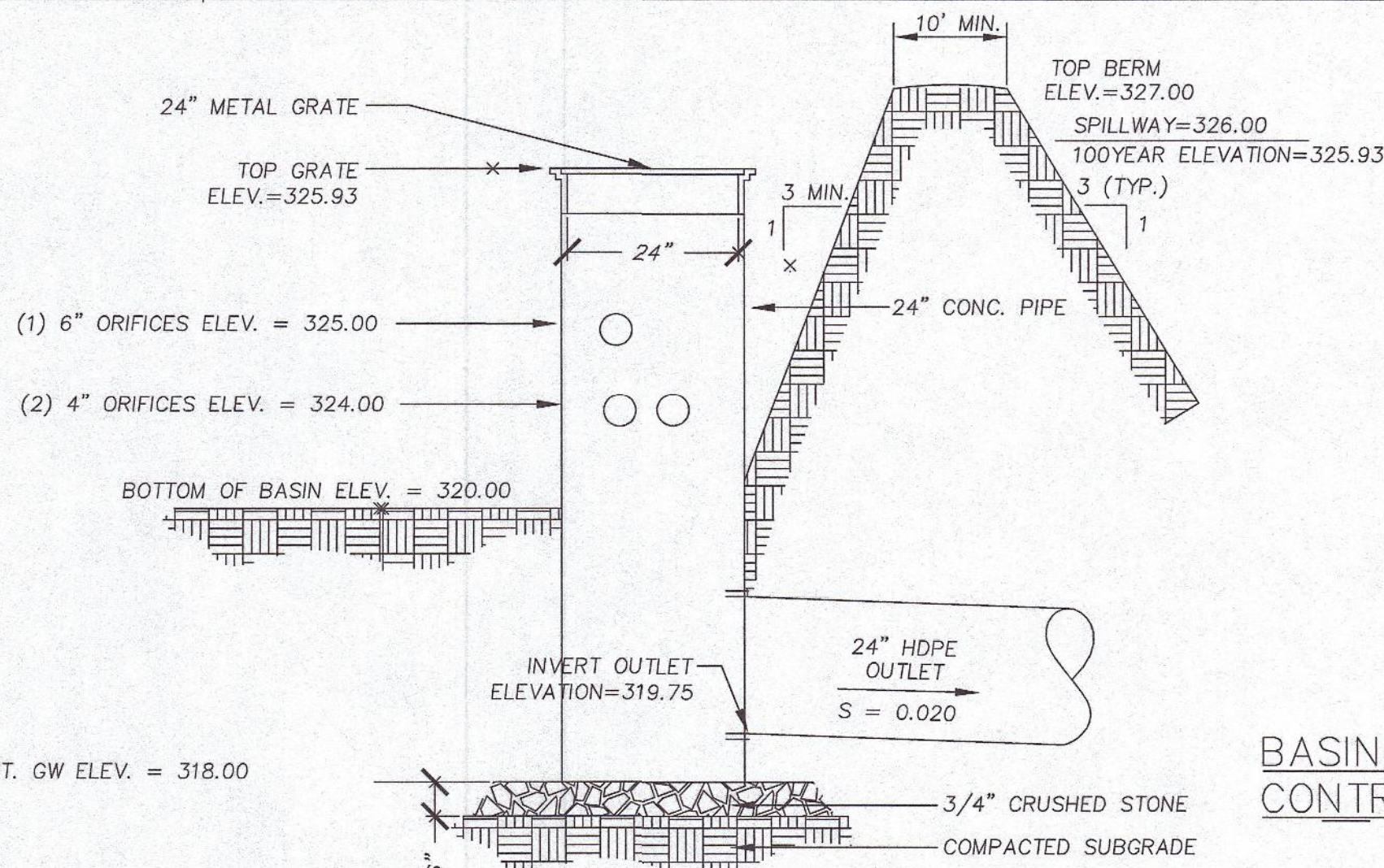
RIP-RAP SPECIFICATIONS



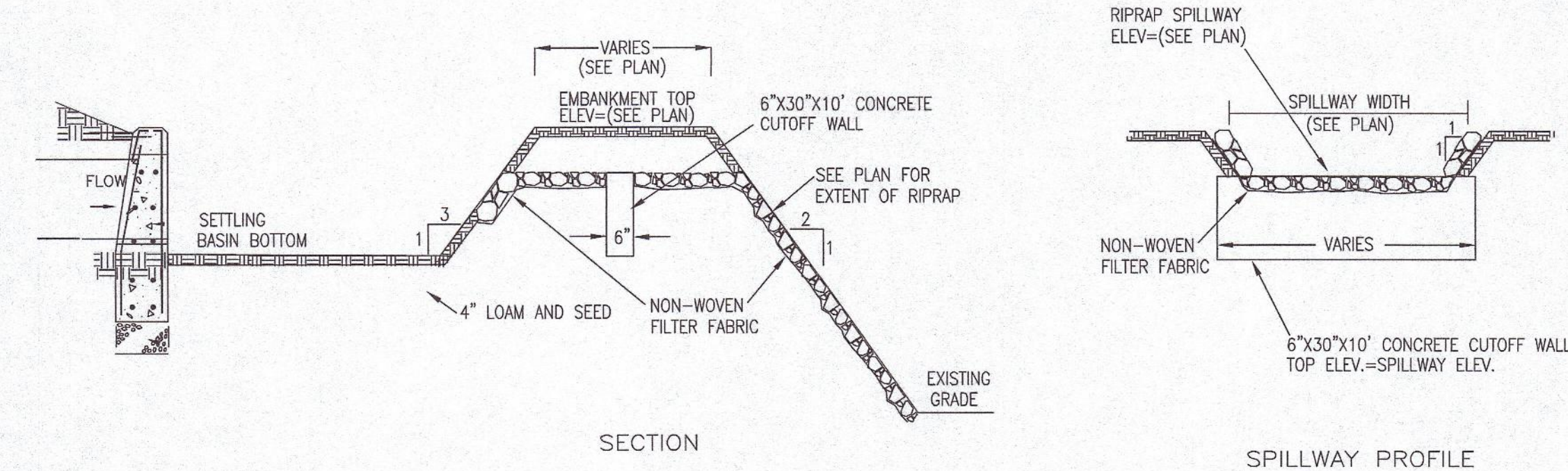
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7.3 FLARED END RIP RAP OUTLET
NOT TO SCALE



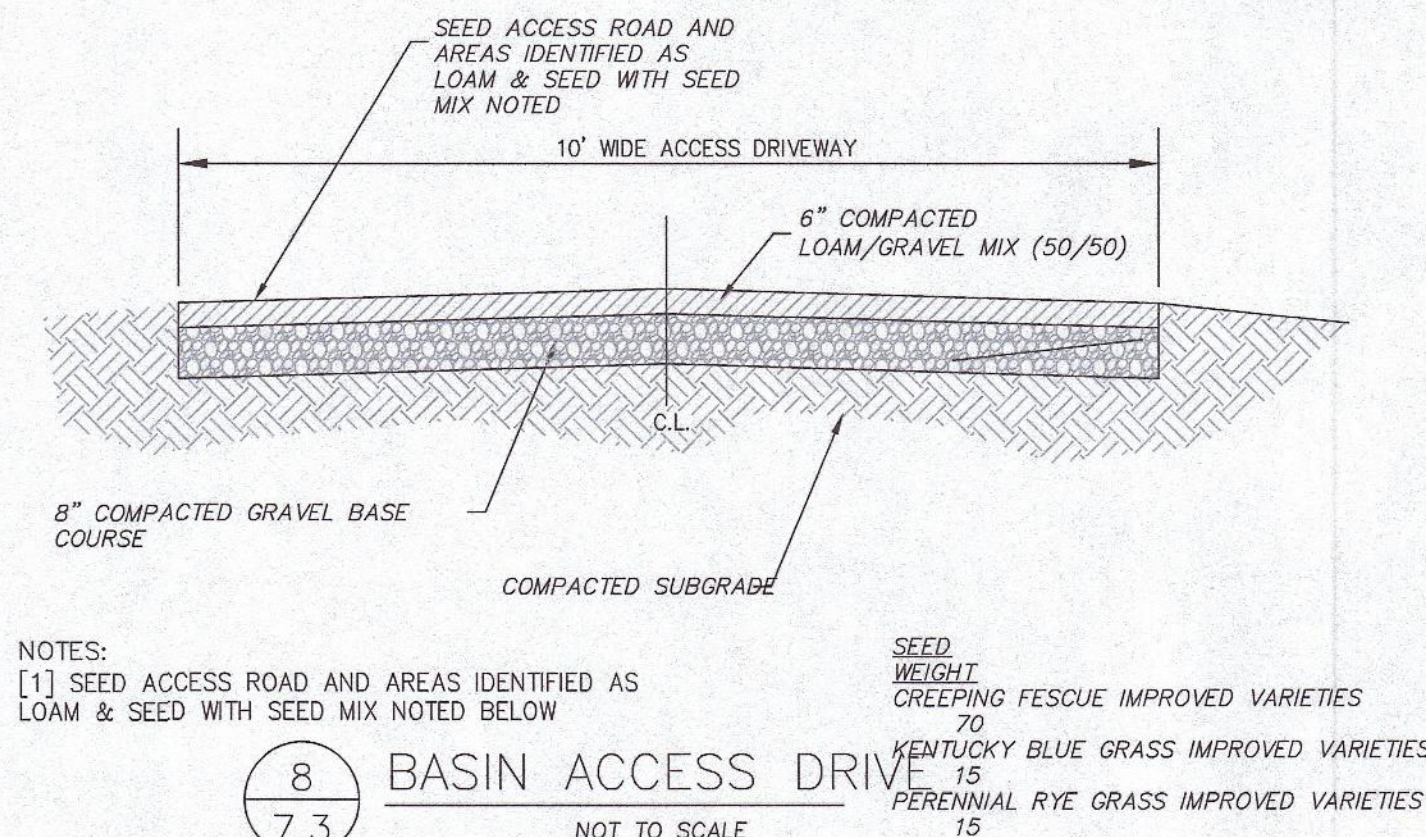
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7.3 DRAIN OUTLET WITH RIP RAP
NOT TO SCALE



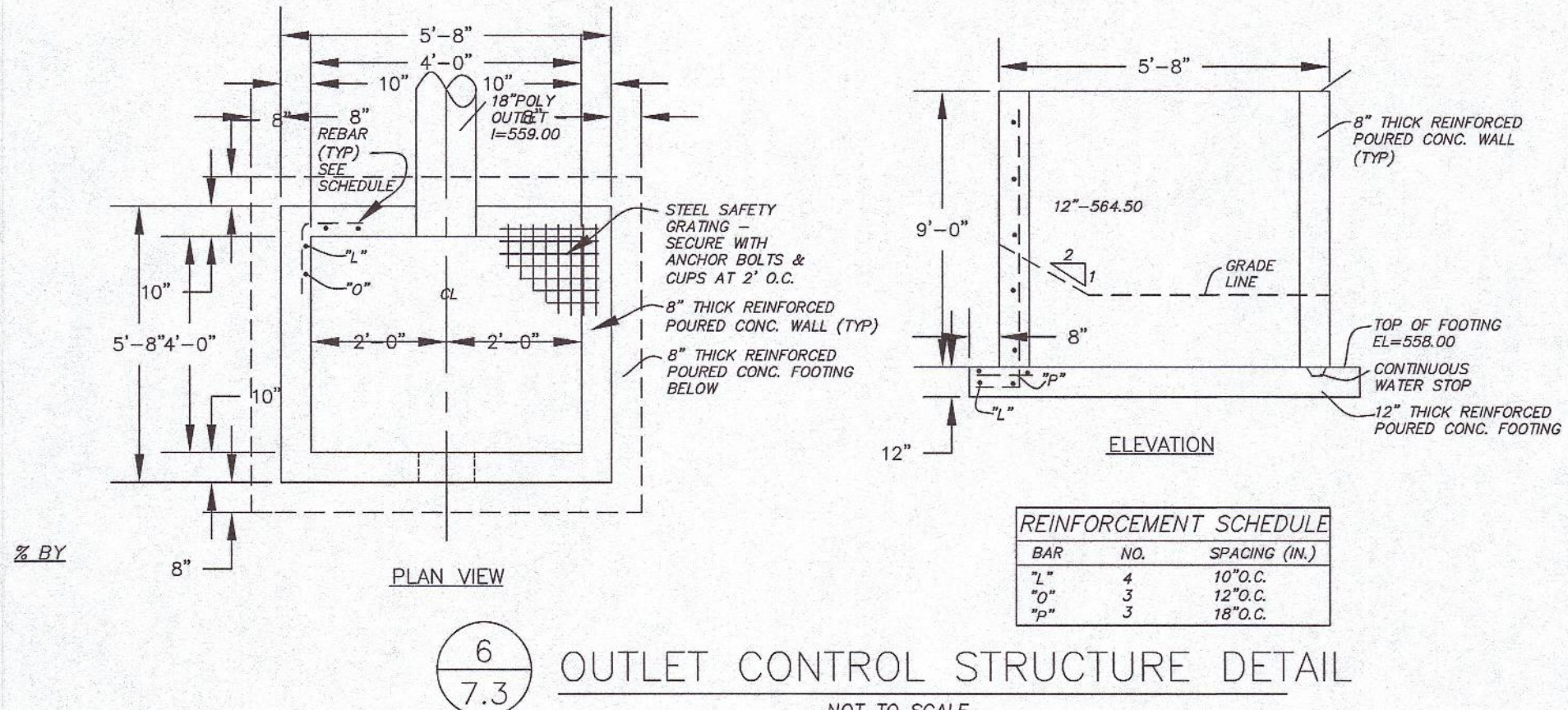
BASIN#1 ROUND OUTLET
CONTROL STRUCTURE #1
NOT TO SCALE



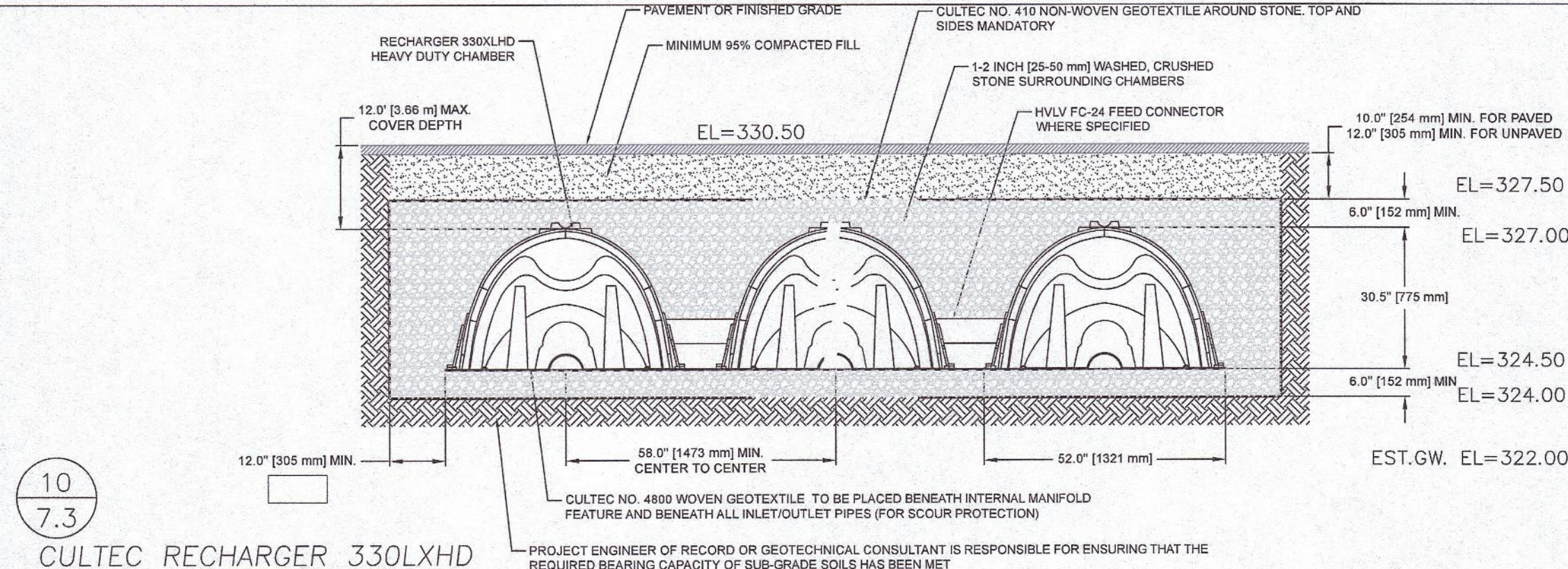
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7.3 LEVEL SPREADER & SETTLING BASIN
NOT TO SCALE



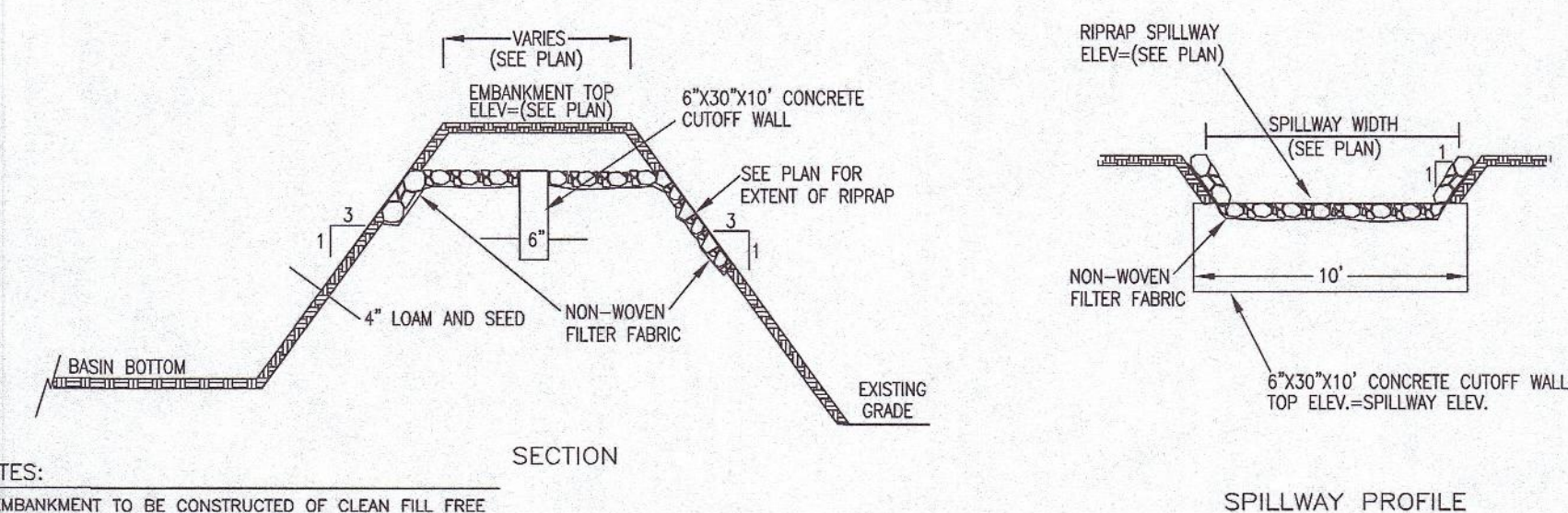
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7.3 BASIN ACCESS DRIVE
NOT TO SCALE



9
7.3 MONITORING WELL
NOT TO SCALE



10
7.3 CULTEC RECHARGER 330XLHD
NOT TO SCALE



12
7.3 TYPICAL BASIN EMBANKMENT/SPILLWAY
NOT TO SCALE

REVISIONS		
REV.	DATE	DESCRIPTION

PROJECT NO.	J-016
DESIGNED BY	PML
CHECKED BY	MD
DATE	9/13/23
CAD FILE	J-016 SITE PLAN
PLAN NO.	

APPLICANT/DEVELOPER:
LOBISSER BUILDING CORP.
1 Charlesview Road • Hopedale, MA 01747
P (508) 478-6235

TITLE:
Upton Apartments
47 Main Street,
Upton Massachusetts
Preliminary
Residential Development Plans
Comprehensive Permit Application
Upton Zoning Board of Appeals

SHEET TITLE

CONSTRUCTION DETAILS

SHEET 3 OF 4

SHEET NO.

C-7.3