

SITE DEVELOPMENT PLANS FOR APPLE HILL ESTATES

31 HUNTING LANE SHERBORN, MA 01770

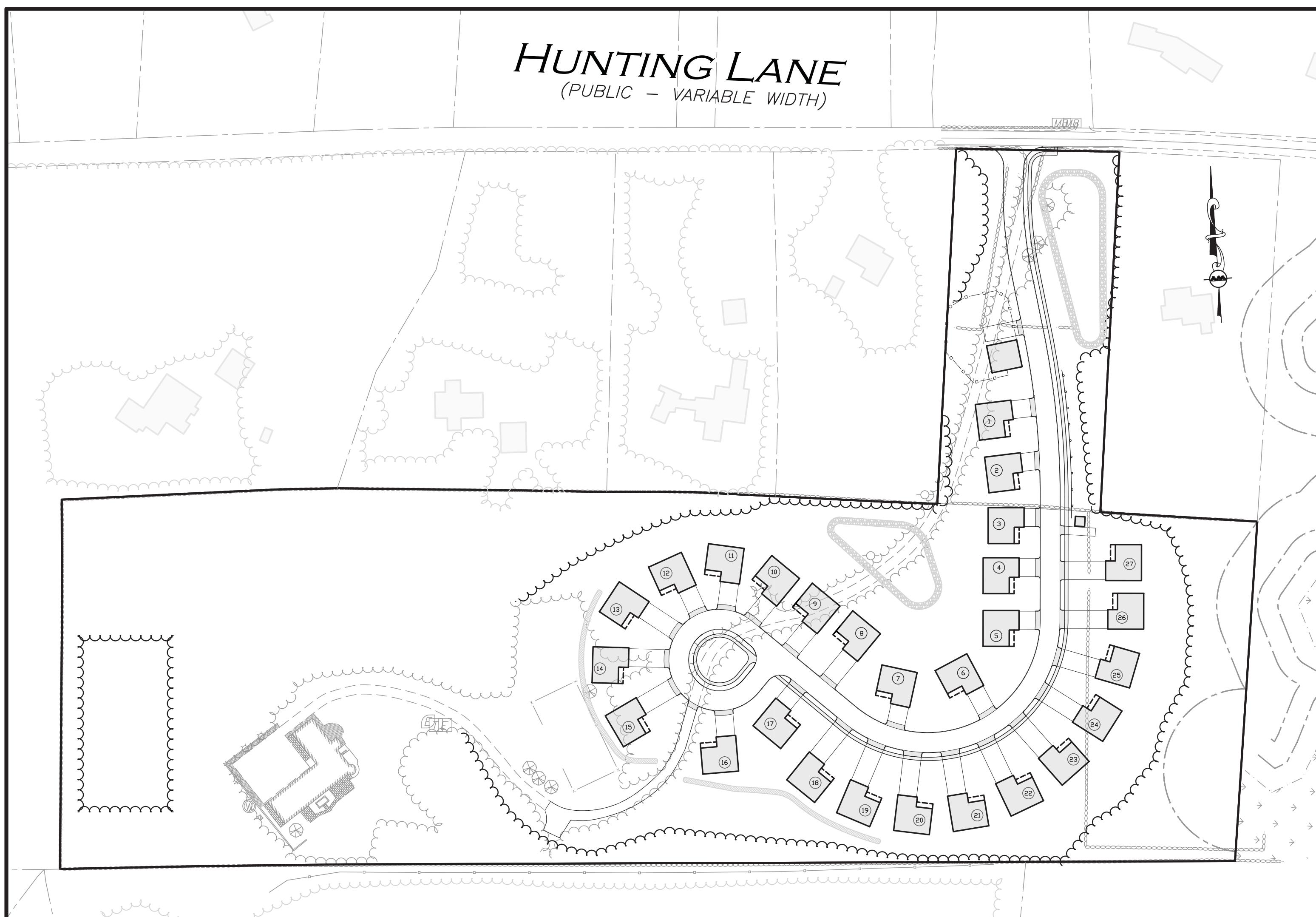
OWNER/APPLICANT:
BARSKY ESTATE REALTY TRUST
23 HUNTING LANE
SHERBORN, MA 01770

SITE ENGINEER & LAND SURVEYOR:
ALLEN & MAJOR ASSOCIATES, INC.
100 COMMERCE WAY
WOBURN, MA 01801

40B CONSULTANT
LDS CONSULTING GROUP, LLC
233 NEEDHAM STREET
NEWTON, MA 02464

TRAFFIC ENGINEER:
VANASSE & ASSOCIATES INC
35 NEW ENGLAND BUSINESS CENTER DR
SUITE 140
ANDOVER, MA 01810

WASTEWATER & DRINKING WATER ENGINEER:
ONBSITE ENGINEERING, INC.
279 EAST CENTRAL STREET, PMB 241
FRANKLIN, MA 02038



LIST OF DRAWINGS			
DRAWING TITLE	SHEET NO.	ISSUED	REVISED
EXISTING CONDITIONS	V-101	09-01-20	-
BY-RIGHT SUBDIVISION PLAN - OPTION 2	C-101	10-01-20	04-09-21
LAYOUT & MATERIALS PLAN	C-102	10-01-20	04-09-21
GRADING & DRAINAGE PLAN	C-103	10-01-20	04-09-21
UTILITIES PLAN	C-104	10-01-20	04-09-21
EASEMENT PLAN	C-105	10-01-20	04-09-21
DETAILS	C-501	10-01-20	04-09-21
DETAILS	C-502	10-01-20	04-09-21
DETAILS	C-503	10-01-20	04-09-21
DETAILS	C-504	10-01-20	04-09-21
DETAILS	C-505	04-09-21	-
LANDSCAPE PLAN	L-101	10-01-20	04-09-21
LANDSCAPE DETAILS	L-102	10-01-20	04-09-21



PROFESSIONAL ENGINEER FOR
ALLEN & MAJOR ASSOCIATES, INC.



**ALLEN & MAJOR
ASSOCIATES, INC.**

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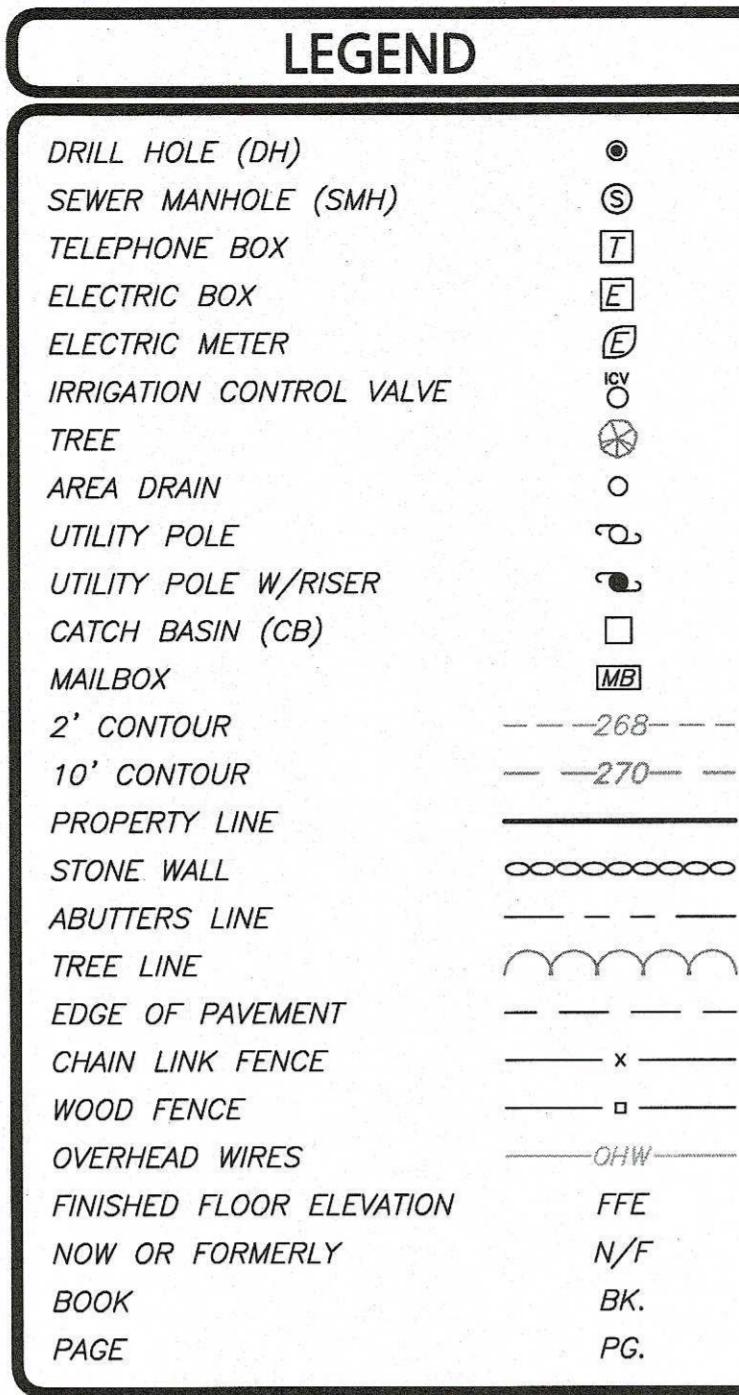
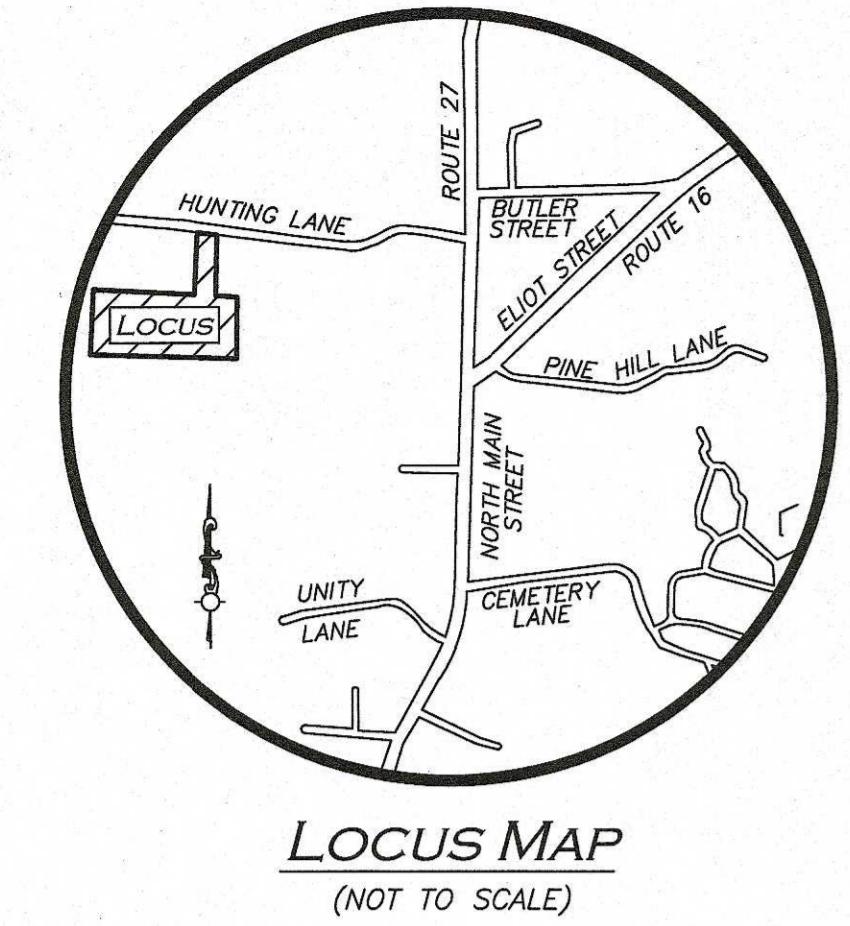
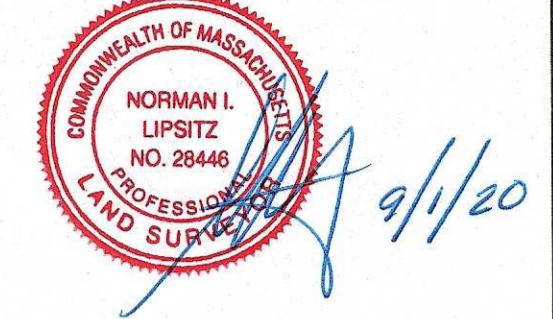
ISSUED FOR ZBA APPLICATION: OCTOBER 1, 2020

UPDATED ZBA APPLICATION: MARCH 1, 2021

UPDATED ZBA APPLICATION: APRIL 9, 2021

R:\PROJECTS\2513-02\CIVIL\DRAWINGS\CURRENT\C-2513-02_COVER_SHEET.DWG

Sept 11/2020
PROFESSIONAL LAND SURVEYOR FOR
ALLEN & MAJOR ASSOCIATES, INC.

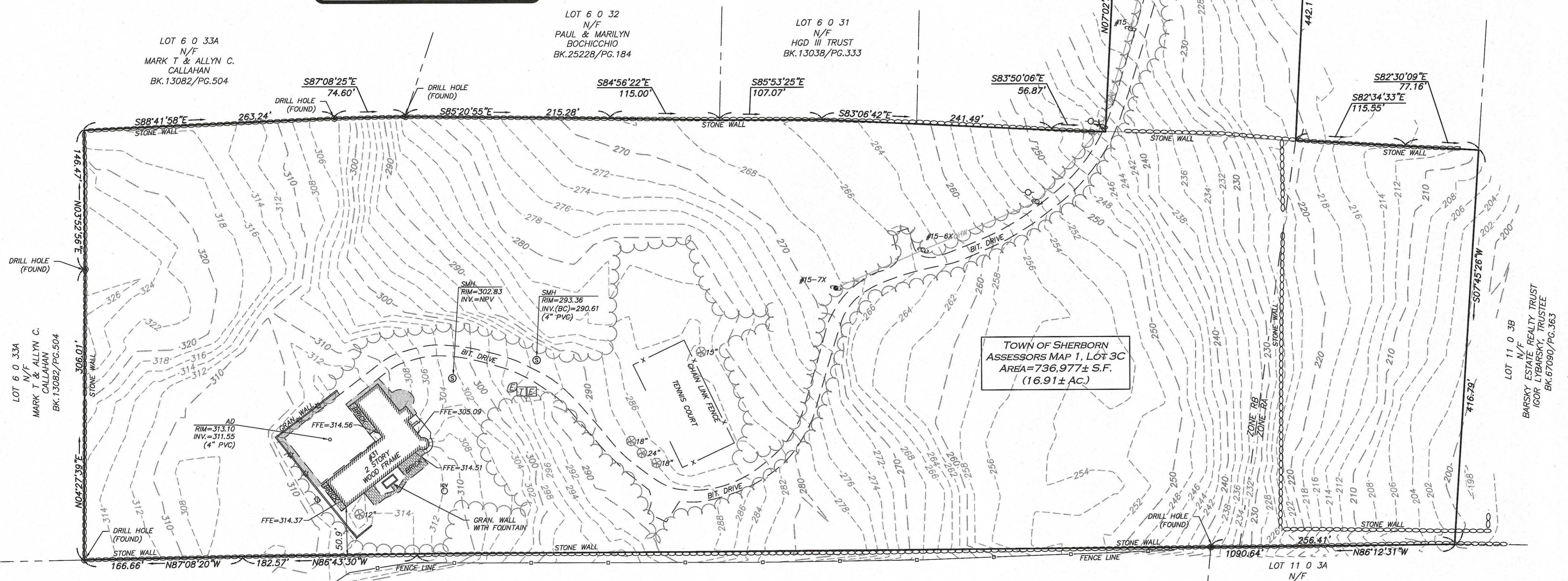


LOCUS REFERENCES
-TOWN OF SHERBORN ASSESSORS MAP 11, LOT 03C
-RECORD OWNER: BARSKY ESTATE REALTY TRUST
-DEED BOOK 67090, PAGE 363
-PLAN 194 OF 1994

PLAN REFERENCES
-PLAN 853 OF 1963
-PLAN 1206 OF 1976
-PLAN 401 OF 1994

NOTES

1. NORTH ARROW IS BASED ON MASSACHUSETTS GRID COORDINATE SYSTEM (MAINLAND ZONE) (NAD 83).
2. BOOK/PAGE AND PLAN REFERENCES ARE TAKEN FROM MIDDLESEX (SOUTH) REGISTRY OF DEEDS IN CAMBRIDGE, MA.
3. VERTICAL DATUM IS NAVD 88 ESTABLISHED USING RTK GPS OBSERVATION.
4. CONTOUR INTERVAL IS ONE FOOT (2').



REQUIRED RELIEF:

1. RULES AND REGULATIONS
 - 1.1. § 4.1.4 MAXIMUM OF ONE SINGLE FAMILY RESIDENTIAL DWELLING PER LOT
 - 1.2. § 4.3.7.b. MAXIMUM LENGTH OF DEAD-END STREET. 600 FEET ALLOWED, 1,150 FEET PROPOSED

GENERAL NOTES:

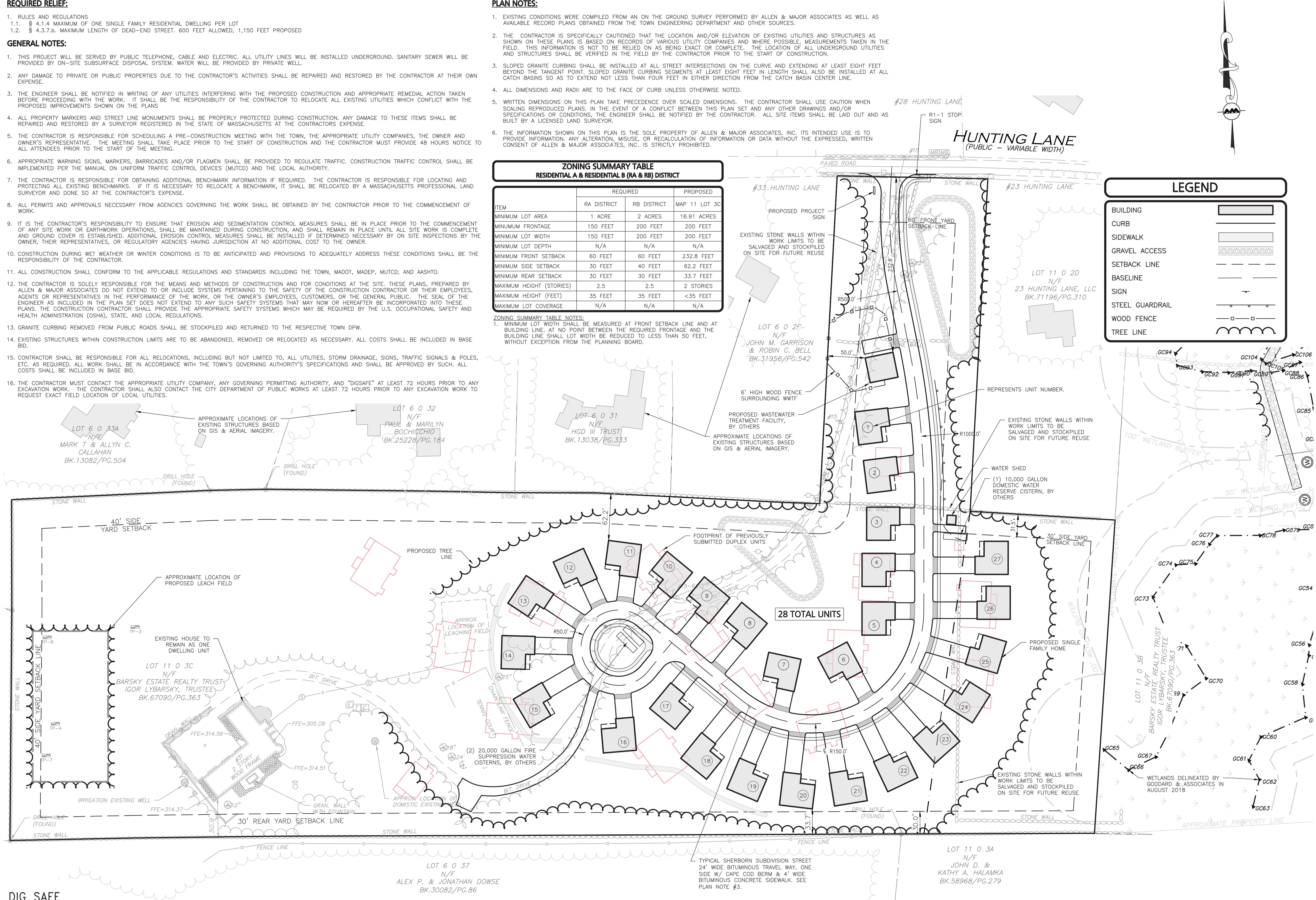
1. THIS PROJECT WILL BE SERVED BY PUBLIC TELEPHONE, CABLE AND ELECTRIC. ALL UTILITY LINES WILL BE INSTALLED UNDERGROUND. SANITARY SEWER WILL BE PROVIDED BY ON-SITE SUBSURFACE DISPOSAL SYSTEM. WATER WILL BE PROVIDED BY PRIVATE WELL.
2. ANY DAMAGE TO PRIVATE OR PUBLIC PROPERTIES DUE TO THE CONTRACTOR'S ACTIVITIES SHALL BE REPAIRED AND RESTORED BY THE CONTRACTOR AT THEIR OWN EXPENSE.
3. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY UTILITIES INTERFERING WITH THE PROPOSED CONSTRUCTION AND APPROPRIATE REMEDIAL ACTION TAKEN BEFORE PROCEEDING WITH THE WORK. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
4. ALL PROPERTY MARKERS AND STREET LINE MONUMENTS SHALL BE PROPERLY PROTECTED DURING CONSTRUCTION. ANY DAMAGE TO THESE ITEMS SHALL BE REPAIRED AND RESTORED BY A SURVEYOR REGISTERED IN THE STATE OF MASSACHUSETTS AT THE CONTRACTOR'S EXPENSE.
5. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION MEETING WITH THE TOWN, THE APPROPRIATE UTILITY COMPANIES, THE OWNER AND OWNER'S REPRESENTATIVE. THE MEETING SHALL TAKE PLACE PRIOR TO THE START OF CONSTRUCTION AND THE CONTRACTOR MUST PROVIDE 48 HOURS NOTICE TO ALL ATTENDEES PRIOR TO THE START OF THE MEETING.
6. APPROPRIATE WARNING SIGNS, MARKERS, BARRICADES AND/OR FLAGGER SHALL BE PROVIDED TO REGULATE TRAFFIC. CONSTRUCTION TRAFFIC CONTROL SHALL BE IMPLEMENTED PER THE MANUAL OR UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE LOCAL AUTHORITY.
7. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ADDITIONAL BENCHMARK INFORMATION IF REQUIRED. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING BENCHMARKS. IF IT IS NECESSARY TO RELOCATE A BENCHMARK, IT SHALL BE RELOCATED BY A MASSACHUSETTS PROFESSIONAL LAND SURVEYOR AND DONE SO AT THE CONTRACTOR'S EXPENSE.
8. ALL PERMITS AND APPROVALS NECESSARY FROM AGENCIES GOVERNING THE WORK SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF WORK.
9. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO THE COMMENCEMENT OF ANY SITE WORK OR EARTHWORK OPERATIONS, SHALL BE MAINTAINED DURING CONSTRUCTION, AND SHALL REMAIN IN PLACE UNTIL ALL SITE WORK IS COMPLETE, AND GROUND COVER IS ESTABLISHED. ADDITIONAL EROSION CONTROL MEASURES SHALL BE INSTALLED IF DETERMINED NECESSARY BY ON-SITE INSPECTIONS BY THE OWNER, THEIR REPRESENTATIVES, OR REGULATORY AGENCIES HAVING JURISDICTION AT NO ADDITIONAL COST TO THE OWNER.
10. CONSTRUCTION DURING WET WEATHER OR WINTER CONDITIONS IS TO BE ANTICIPATED AND PROVISIONS TO ADEQUATELY ADDRESS THESE CONDITIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
11. ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE REGULATIONS AND STANDARDS INCLUDING THE TOWN, MADOT, MADEP, MUTCD, AND AASHTO.
12. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND FOR CONDITIONS AT THE SITE. THESE PLANS, PREPARED BY ALLEN & MAJOR ASSOCIATES DO NOT EXTEND TO OR INCLUDE SYSTEMS PERTAINING TO THE SAFETY OF THE CONSTRUCTION CONTRACTOR OR THEIR EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK, OR THE OWNER'S EMPLOYEES, CUSTOMERS, OR THE GENERAL PUBLIC. THE SEAL OF THE ENGINEER AS INCLUDED IN THE PLAN SET DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEMS THAT MAY NOW OR HEREAFTER BE INCORPORATED INTO THESE PLANS. THE CONSTRUCTION CONTRACTOR SHALL PROVIDE THE APPROPRIATE SAFETY SYSTEMS WHICH MAY BE REQUIRED BY THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STATE, AND LOCAL REGULATIONS.
13. GRANITE CURBING REMOVED FROM PUBLIC ROADS SHALL BE STOCKPILED AND RETURNED TO THE RESPECTIVE TOWN DPW.
14. EXISTING STRUCTURES WITHIN CONSTRUCTION LIMITS ARE TO BE ABANDONED, REMOVED OR RELOCATED AS NECESSARY. ALL COSTS SHALL BE INCLUDED IN BASE BID.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS & POLES, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH THE TOWN'S GOVERNING AUTHORITY'S SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COSTS SHALL BE INCLUDED IN BASE BID.
16. THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANY, ANY GOVERNING PERMITTING AUTHORITY, AND "DIGSAFE" AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK. THE CONTRACTOR SHALL ALSO CONTACT THE CITY DEPARTMENT OF PUBLIC WORKS AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK TO REQUEST EXACT FIELD LOCATION OF LOCAL UTILITIES.

PLAN NOTES:

1. EXISTING CONDITIONS WERE COMPILED FROM AN ON THE GROUND SURVEY PERFORMED BY ALLEN & MAJOR ASSOCIATES AS WELL AS AVAILABLE RECORD PLANS OBTAINED FROM THE TOWN ENGINEERING DEPARTMENT AND OTHER SOURCES.
2. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AND STRUCTURES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THIS INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
3. SLOPED GRANITE CURBING SHALL BE INSTALLED AT ALL STREET INTERSECTIONS ON THE CURVE AND EXTENDING AT LEAST EIGHT FEET BEYOND THE TANGENT POINT. SLOPED GRANITE CURBING SEGMENTS AT LEAST EIGHT FEET IN LENGTH SHALL ALSO BE INSTALLED AT ALL CATCH BASINS SO AS TO EXTEND NOT LESS THAN FOUR FEET IN EITHER DIRECTION FROM THE CATCH BASIN CENTER LINE.
4. ALL DIMENSIONS AND RADII ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
5. WRITTEN DIMENSIONS ON THIS PLAN TAKE PRECEDENCE OVER SCALED DIMENSIONS. THE CONTRACTOR SHALL USE CAUTION WHEN SCALING REPRODUCED PLANS. IN THE EVENT OF A CONFLICT BETWEEN THIS PLAN SET AND ANY OTHER DRAWINGS AND/OR SPECIFICATIONS OR CONDITIONS, THE ENGINEER SHALL BE NOTIFIED BY THE CONTRACTOR. ALL SITE ITEMS SHALL BE LAID OUT AND AS BUILT BY A LICENSED LAND SURVEYOR.
6. THE INFORMATION SHOWN ON THIS PLAN IS THE SOLE PROPERTY OF ALLEN & MAJOR ASSOCIATES, INC. ITS INTENDED USE IS TO PROVIDE INFORMATION, ANY ALTERATION, MISUSE, OR RECALCULATION OF INFORMATION OR DATA WITHOUT THE EXPRESSED, WRITTEN CONSENT OF ALLEN & MAJOR ASSOCIATES, INC. IS STRICTLY PROHIBITED.

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CALL 811 OR
1-888-DIG-SAFE
1-888-344-7233



Digitally signed by Michael Malynowski
Date: 2021.04.09 12:57:14 -04'00
PROFESSIONAL ENGINEER FOR ALLEN & MAJOR ASSOCIATES, INC.

REV	DATE	DESCRIPTION
5	04-09-2021	REVS PER PEER REVIEW
4	02-25-2021	CONVERSION TO SINGLE FAMILY HOMES
3	10-01-2020	ISSUED FOR BZA APPLICATION
2	05-19-2020	MISC. REV. PER MASSHOUSING & ABUTTER WALK
1	01-21-2020	MISCELLANEOUS REVISIONS
REV	DATE	

APPLICANT/OWNER:
BARSKY ESTATE REALTY TRUST
23 HUNTING LANE
SHERBORN, MA 01770

PROJECT NO.	2513-02	DATE:	10-23-20
SCALE:	1" = 60'	DWG. NAME:	C2513-02
DESIGNED BY:	SM	CHECKED BY:	MAM
PREPARED BY:			


ALLEN & MAJOR
ASSOCIATES, INC.
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environmental consulting • landscape architecture
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DRAWING TITLE: LAYOUT & MATERIALS PLAN
SHEET No. C-102
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GRADING & DRAINAGE NOTES:

- ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE REGULATIONS AND STANDARDS INCLUDING LOCAL, MDOT, MADEC, MUTC, AND AASHTO.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND FOR CONDITIONS AT THE SITE. THESE PLANS, PROVIDED BY ALLEN & MAJOR ASSOCIATES, INC., EXCLUDES, BUT INCLUDE SYSTEMS PERTAINING TO THE SAFETY OF THE CONSTRUCTION CONTRACTOR OR THEIR EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK, OR THE OWNER'S EMPLOYEES, CUSTOMERS, OR THE GENERAL PUBLIC. THE SEAL OF THE ENGINEER AS INCLUDED IN THE PLANS SET DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEMS THAT MAY NOW OR HEREAFTER BE INCORPORATED INTO THESE PLANS. THE CONSTRUCTION CONTRACTOR SHALL PROVIDE THE APPROPRIATE SAFETY SYSTEMS WHICH MAY BE REQUIRED BY THE
- ALL ELEVATIONS REFER TO NAVD 88.
- PIPE DIMENSIONS ARE MEASURED FROM THE CENTER OF THE STRUCTURE.
- CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF EXISTING STRUCTURES INCLUDING REMOVAL OF ANY EXISTING UTILITIES SERVING THE STRUCTURE. UTILITIES ARE TO BE REMOVED TO THE RIGHT-OF-WAY.

ASSOCIATED WITH CONSTRUCTION ACTIVITIES.

- ALL CUT OR FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED.
- EXISTING AND PROPOSED GRADE CONTOUR INTERVALS SHOWN AT 2 FOOT
- ROOF DRAINS SHALL BE COLLECTED BY GUTTER SYSTEM AND DIRECTED TO A LOCAL SUBSURFACE INFILTRATION SYSTEM.
- IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
- ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION AT STRUCTURE IS WATERTIGHT.
- ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT AND SHALL HAVE TRAFFIC BEARING RING & COVERS. MANHOLES IN UNPAVED AREAS SHALL BE 6" ABOVE FINISH GRADE. LIDS SHALL BE LABELED "DRAIN".
- THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE GENERAL N.P.D.E.S. PERMIT FOR STORMWATER DISCHARGE
- ALL DRAINAGE SHALL CONFORM TO LOCAL AND MADEC REQUIREMENTS.
- PRIOR TO CONSTRUCTION OF IMPERVIOUS AREAS, ALL DRAINAGE STRUCTURES, PIPES AND BASINS SHALL BE INSTALLED AND INSPECTED FOR PROPER FUNCTION.
- CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
- CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.
- ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE 4 INCHES OF TOPSOIL. CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPES 3:1:1 OR STEEPER. CONTRACTOR SHALL GRASS DISTURBED AREAS AND MADEC COUNTY SPECIFICATIONS UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.
- ALL CATCH BASINS ON-SITE SHALL BE EQUIPPED WITH HOODS AND 4 FOOT SUMPS SHALL CONFORM TO LOCAL DRAINAGE REQUIREMENTS.
- A MINIMUM OF 18" VERTICAL CLEARANCE SHALL BE MAINTAINED WHERE WATER SERVICES CROSS STORM DRAIN LINES. WATER SERVICES SHALL BE ENCASED IN CONCRETE REGARDLESS OF CLEARANCE WHEN PASSING BELOW STORM DRAIN LINES. ENCASEMENT SHALL EXTEND FROM THE CROSSING POINT OF THE OTHER PIPE AS MEASURED NORMALLY FROM ALL POINTS ALONG THE PIPE.
- AS-BUILT DRAWINGS SHALL BE PROVIDED NO LATER THAN TWO YEARS AFTER COMPLETION OF CONSTRUCTION.
- THE DESIGN ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM INCONSISTENCIES FOLLOWING THESE PLANS, SPECIFICATIONS, AND/OR THE DESIGN INTENT THEREIN, OR FOR PROBLEMS WHICH ARISE FROM OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW THE GUIDANCE OF THE DESIGN ENGINEER WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES, AMBIGUITIES, OR CONFLICTS WHICH ARE DISCOVERED OR ALLEGED.
- THE TOWN'S ENGINEER AND THE DESIGN ENGINEER SHALL BE NOTIFIED TO INSPECT AND APPROVE SUBGRADE WITHIN THE AREAS OF THE PROPOSED INFILTRATION SYSTEM(S) TO CONFIRM THAT THE ON-SITE CONDITIONS ARE CONSISTENT WITH THE MODELED INFILTRATION RATE PRIOR TO THE SYSTEM INSTALLATION.
- THE CONTRACTOR SHALL CONTACT "DIGSAFE" AND THE TOWN OF SHERBORN DEPARTMENT OF PUBLIC WORKS AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK TO REQUEST THE LOCATION OF THE EXISTING UTILITIES. DIGSAFE: 1-800-344-7233 SHERBORN DEPARTMENT OF PUBLIC WORKS: 508-651-7878
- AS-BUILT DRAWINGS SHALL BE PROVIDED NO LATER THAN TWO YEARS AFTER COMPLETION OF CONSTRUCTION.
- THE INFORMATION SHOWN ON THIS PLAN IS THE SOLE PROPERTY OF ALLEN & MAJOR ASSOCIATES, INC. ITS EXCLUSIVE USE IS TO PROVIDE INFORMATION, ANY ALTERATION, MISUSE, OR RECALCULATION OF INFORMATION OR DATA WITHOUT THE EXPRESSED, WRITTEN CONSENT OF ALLEN & MAJOR ASSOCIATES, INC. IS STRICTLY PROHIBITED.

DRAINAGE STRUCTURE TABLE	
STRUCTURE	STRUCTURE DETAILS
CB-01	RIM=259.43 INV,OUT=256.20 (DMH-01) 33LF, 12"HDPE, S=3.32%
CB-02	RIM=258.73 INV,OUT=255.60 (DMH-01) 22LF, 12"HDPE, S=1.80%
CB-03	RIM=261.72 INV,OUT=257.60 (DMH-02) 27LF, 12"HDPE, S=3.00%
CB-04	RIM=261.26 INV,OUT=257.46 (DMH-02) 22LF, 12"HDPE, S=3.00%
CB-05	RIM=254.15 INV,OUT=250.71 (DMH-03) 21LF, 12"HDPE, S=1.00%
CB-06	RIM=254.22 INV,OUT=250.61 (DMH-03) 11LF, 12"HDPE, S=1.00%
CB-07	RIM=247.49 INV,OUT=243.46 (DMH-06) 20LF, 12"HDPE, S=2.00%
CB-08	RIM=246.68 INV,OUT=243.40 (DMH-06) 17LF, 12"HDPE, S=2.00%

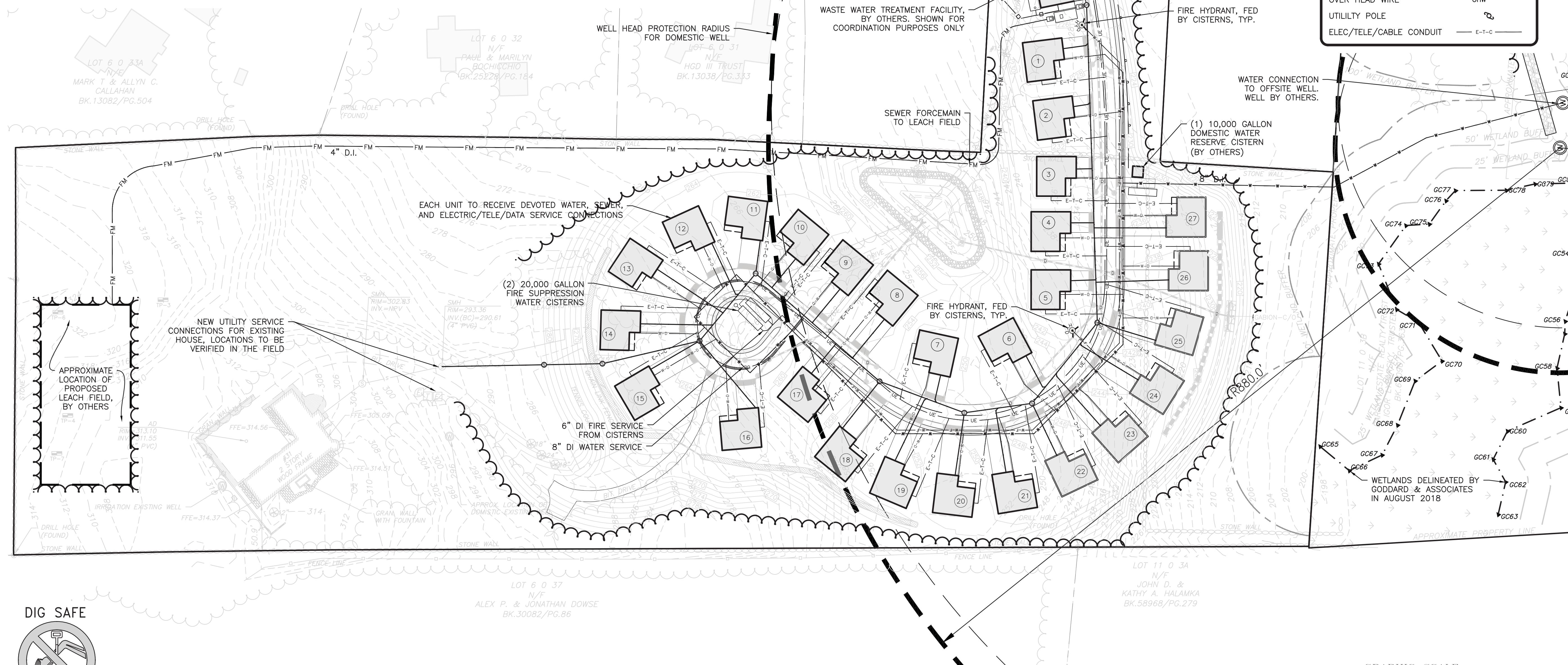
DRAINAGE STRUCTURE TABLE	
STRUCTURE	STRUCTURE DETAILS
CB-09	RIM=240.61 INV,OUT=234.88 (DMH-07) 28LF, 12"HDPE, S=1.00%
CB-10	RIM=258.42 INV,OUT=234.69 (DMH-07) 9LF, 12"HDPE, S=1.00%
CB-11	RIM=233.67 INV,OUT=229.24 (DMH-08) 14LF, 12"HDPE, S=1.00%
CB-12	RIM=233.26 INV,OUT=229.29 (DMH-08) 19LF, 12"HDPE, S=1.00%
CB-13	RIM=227.25 INV,OUT=223.63 (DMH-09) 9LF, 12"HDPE, S=3.00%
CB-14	RIM=227.69 INV,OUT=223.98 (DMH-09) 21LF, 12"HDPE, S=3.00%
CB-15	RIM=220.63 INV,OUT=217.40 (DMH-10) 9LF, 12"HDPE, S=3.72%
CB-16	RIM=220.61 INV,OUT=217.40 (DMH-10) 15LF, 12"HDPE, S=2.29%

DRAINAGE STRUCTURE TABLE	
STRUCTURE	STRUCTURE DETAILS
CB-17	RIM=213.81 INV,OUT=210.27 (DMH-11) 13LF, 12"HDPE, S=3.86%
CB-18	RIM=213.83 INV,OUT=210.30 (DMH-11) 37LF, 12"HDPE, S=3.93%
JELLYFISH	RIM=258.52 INV,OUT=228.85 (DMH-07) 44LF, 12"HDPE, S=1.10%
DMH-01	RIM=200.99 INV,OUT=205.50 (UD-1A) INV,IN=205.50 (UD-1D) INV,IN=205.50 (UD-1C) INV,OUT=205.50 (UD-1B) 64LF, 24"HDPE, S=3.00%
DMH-02	RIM=220.66 INV,IN=223.10 (CB-04) INV,IN=223.10 (CB-03) INV,OUT=219.48 (DMH-04) 75LF, 15"HDPE, S=3.00%
DMH-03	RIM=254.76 INV,OUT=223.95 (CB-06) INV,IN=250.50 (CB-05) INV,OUT=250.40 (DMH-04) 147LF, 24"HDPE, S=2.00%
DMH-04	RIM=220.46 INV,IN=216.55 (DMH-09) INV,IN=217.05 (CB-15) INV,IN=217.05 (CB-16) INV,OUT=210.40 (DMH-11) 113LF, 24"HDPE, S=1.30%
DMH-05	RIM=215.34 INV,IN=208.93 (DMH-10) INV,IN=209.93 (CB-17) INV,IN=209.93 (CB-18) INV,OUT=208.85 (HW-01) 62LF, 24"HDPE, S=1.34%
DMH-06	RIM=257.23 INV,IN=229.33 (DMH-12) INV,OUT=229.23 (IS-1-RISER) 124LF, 15"HDPE, S=2.00%
GABION-C/O	RIM=220.46 INV,IN=243.06 (CB-07) INV,IN=243.06 (CB-08) INV,OUT=242.96 (DMH-07) 146LF, 15"HDPE, S=5.72%

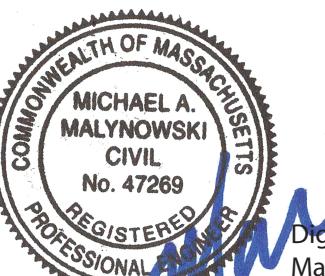
DRAINAGE STRUCTURE TABLE	
STRUCTURE	STRUCTURE DETAILS
IS-1-RISER	RIM=230.02 INV,IN=226.75 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-13	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-14	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-15	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-16	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-17	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-18	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-19	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-20	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-21	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-22	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-23	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-24	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-25	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-26	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-27	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-28	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-29	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-30	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-31	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-32	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-33	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-34	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-35	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-36	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-37	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-38	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-39	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-40	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-41	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-42	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-43	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-44	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-45	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-46	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
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DMH-48	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-49	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-50	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-51	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
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DMH-55	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-56	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-57	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
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DMH-61	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-62	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 12"HDPE, S=3.86%
DMH-63	RIM=213.30 INV,IN=207.10 (DMH-05) 13LF, 1

UTILITY NOTES:

- A MINIMUM OF 10 FEET CLEAR HORIZONTALLY SHALL BE MAINTAINED BETWEEN WATER MAINS AND SANITARY SEWER MAINS AND/OR STORM DRAINS. WHENEVER CONDITIONS PREVENT A LATERAL SEPARATION OF 10 FEET TO A WATER MAIN, THE WATER MAIN SHALL BE LAID IN A SEPARATE TRENCH AND THE DIFFERENCE IN ELEVATION BETWEEN THE WATER MAIN AND THE SEWER MAIN SHALL BE AT LEAST 18 INCHES.
- IN THE CASE THAT WATER MAINS CROSS SANITARY SEWER MAINS AND ARE SEPARATED BY LESS THAN 18" OF VERTICAL CLEARANCE, THE SEWER MAIN SHALL BE ENCASED IN CONCRETE FOR THE ENTIRE WIDTH OF THE TRENCH AND FOR A DISTANCE OF 8 LINEAR FEET CENTERED ON THE CROSSING.
- THE CONTRACTOR SHALL REFER TO ARCHITECTS PLANS AND SPECIFICATIONS FOR ACTUAL LOCATION OF ALL ROOF DRAIN LATERALS AND UTILITY ENTRANCES TO INCLUDE SANITARY SEWER LATERALS, DOMESTIC AND FIRE PROTECTION WATER SERVICE, ELECTRIC, TELEPHONE, AND OIL/GAS SERVICE. THE CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO AVOID CONFLICTS AND COORDINATE WITH THE PROPER AGENCY THE LOCATION AND SCHEDULING OF CONNECTIONS WITH THEIR FACILITIES.
- WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION. THE ENGINEER WILL THEN PROVIDE RESOLUTION TO UTILITY CONFLICTS WITHOUT DELAY.
- ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE REGULATIONS AND STANDARDS INCLUDING LOCAL, MADOT, MADEP, MUTCD, AND AASHTO.
- THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND FOR CONDITIONS OF THE SITE. THESE PLANS PREPARED BY ALLEN & MAJOR ASSOCIATES, INC. DO NOT EXTEND TO, NOR INCLUDE SYSTEMS PERTAINING TO THE SAFETY OF THE CONSTRUCTION CONTRACTOR OR THE EMPLOYEES, AGENTS OR REPRESENTATIVES IN PERFORMANCE OF THE WORK. THE SEAL OF THE ARCHITECT OR ENGINEER HEREON DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEMS THAT MAY NOW OR HEREAFTER BE INCORPORATED INTO THESE PLANS. THE CONSTRUCTION CONTRACTOR SHALL PREPARE TO OBTAIN THE APPROPRIATE SAFETY SYSTEMS THAT MAY BE REQUIRED BY THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND/OR LOCAL REGULATIONS.
- ALL ELEVATIONS REFER TO NAVD 88.



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REV	DATE	DESCRIPTION
04-09-2021		REVS PER PEER REVIEW
02-25-2021		CONVERSION TO SINGLE FAMILY HOMES
01-01-2020		ISSUED FOR ZBA APPLICATION
05-19-2020		MISC. REV. PER MASSHOUSING & ABUTTER WALK
01-21-2020		MISCELLANEOUS REVISIONS
REV	DATE	DESCRIPTION

APPLICANT/OWNER:
BARSKY ESTATE REALTY TRUST
23 HUNTING LANE
SHERBORN, MA 01770

PROJECT:
APPLE HILL ESTATES
31 HUNTING LANE
SHERBORN, MA 01770

PROJECT NO. 2513-02 DATE: 10-23-20

SCALE: 1" = 60' DWG. NAME: C2513-02

DESIGNED BY: SM CHECKED BY: MAM

PREPARED BY:


ALLEN & MAJOR ASSOCIATES, INC.
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DRAWING TITLE: SHEET NO.

UTILITIES PLAN C-104

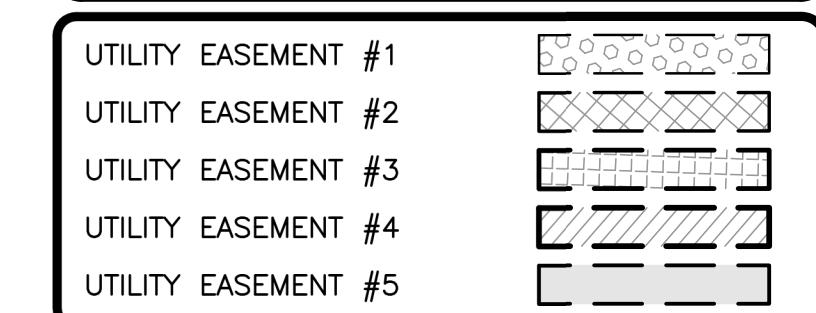
NOTES:

1. THIS EASEMENT PLAN IS CONCEPTUAL IN NATURE AND IS NOT INTENDED FOR CONSTRUCTION. IT IS UNDERSTOOD THE DESIGN MAY BE REVISED AS THE PROJECT PROGRESSES.
2. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS 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 WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
3. EXISTING CONDITIONS SHOWN HEREON ARE THE RESULT OF AN ACTUAL ON THE GROUND SURVEY PERFORMED BY ALLEN & MAJOR ASSOCIATES INC. FOR MORE INFORMATION SEE EXISTING CONDITION PLAN.
4. THIS PLAN ASSUMES A LOT LINE ADJUSTMENT BETWEEN PROPERTIES IDENTIFIED ON TOWN OF SHERBORN ASSESSORS MAP 11 AS LOTS 41 & 43.
5. THE CONTRACTOR SHALL CONTACT "DIGSAFE" AND THE TOWN OF SHERBORN DEPARTMENT OF PUBLIC WORKS AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK TO REQUEST THE LOCATION OF THE EXISTING UTILITIES.

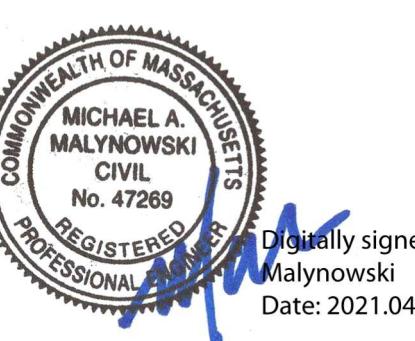
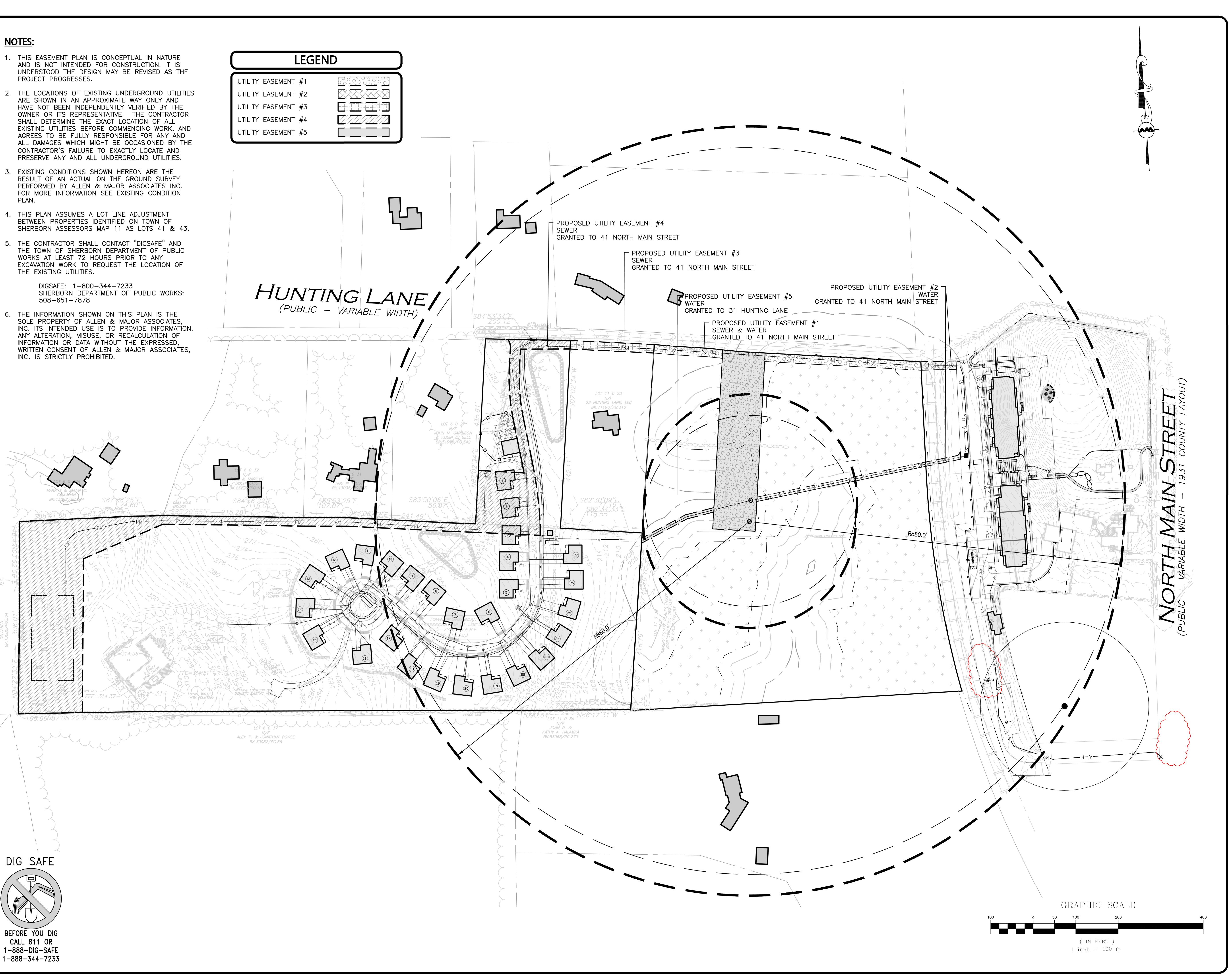
DIGSAFE: 1-800-344-7233
SHERBORN DEPARTMENT OF PUBLIC WORKS:
508-651-7878

6. THE INFORMATION SHOWN ON THIS PLAN IS THE SOLE PROPERTY OF ALLEN & MAJOR ASSOCIATES, INC. ITS INTENDED USE IS TO PROVIDE INFORMATION. ANY ALTERATION, MISUSE, OR RECALCULATION OF INFORMATION OR DATA WITHOUT THE EXPRESSED, WRITTEN CONSENT OF ALLEN & MAJOR ASSOCIATES, INC. IS STRICTLY PROHIBITED.

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ALLEN & MAJOR ASSOCIATES, INC.

REV	DATE	DESCRIPTION
5	04-09-2021	REVS PER REVIEW
4	02-25-2021	CONVERSION TO SINGLE FAMILY HOMES
3	10-01-2020	ISSUED FOR ZBA APPLICATION
2	05-19-2020	MISC. REV. PER MASSHOUSING & ABUTTER WALK
1	01-21-2020	MISCELLANEOUS REVISIONS
		REV DATE DESCRIPTION

APPLICANT/OWNER:
BARSKY ESTATE REALTY TRUST
23 HUNTING LANE
SHERBORN, MA 01770

PROJECT:
APPLE HILL ESTATES
31 HUNTING LANE
SHERBORN, MA 01770

PROJECT NO.	2513-02	DATE:	10-23-20
SCALE:	1" = 100'	DWG. NAME:	C2513-02
DESIGNED BY:	SM	CHECKED BY:	MAM

PREPARED BY:

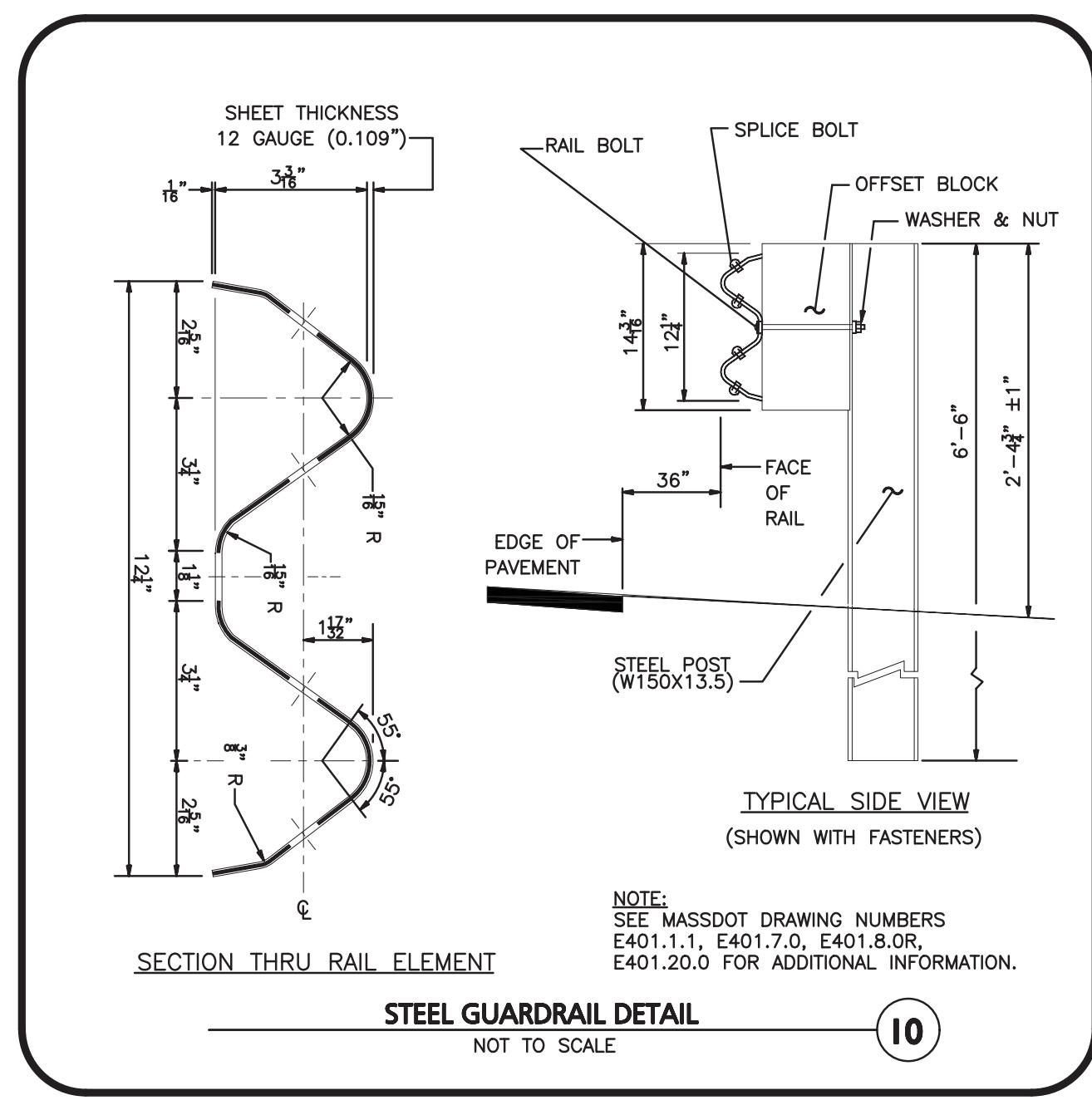
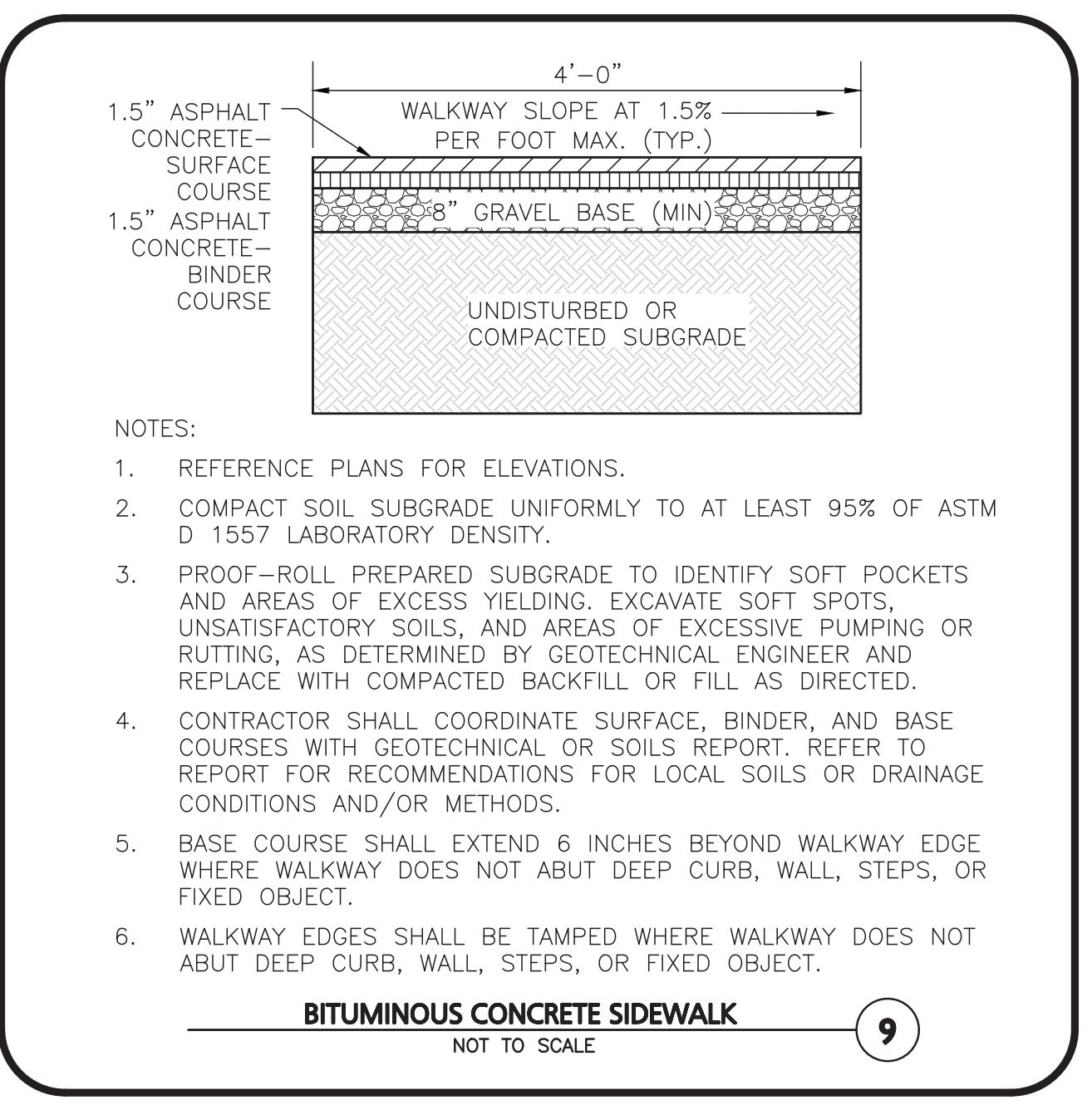
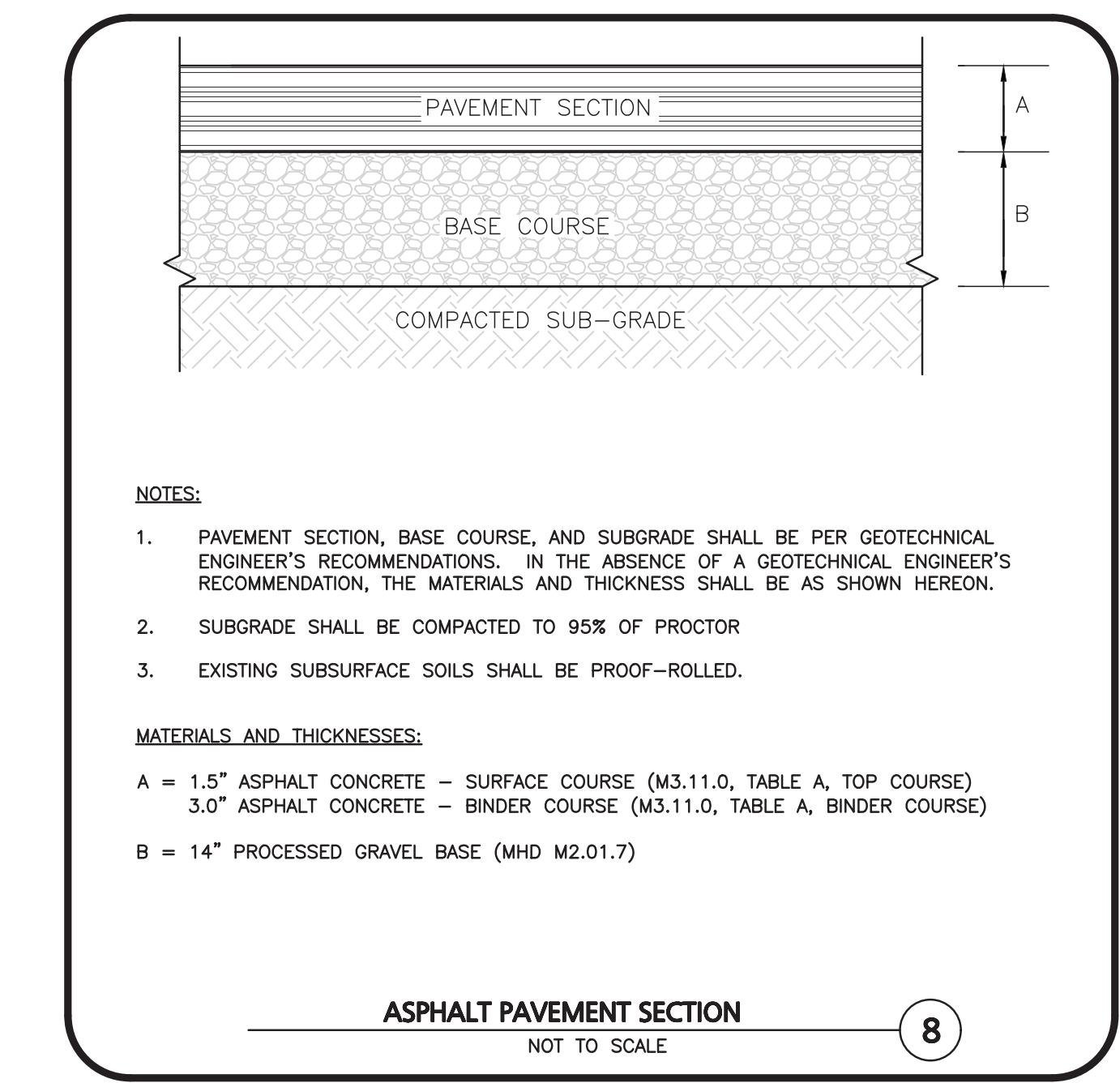
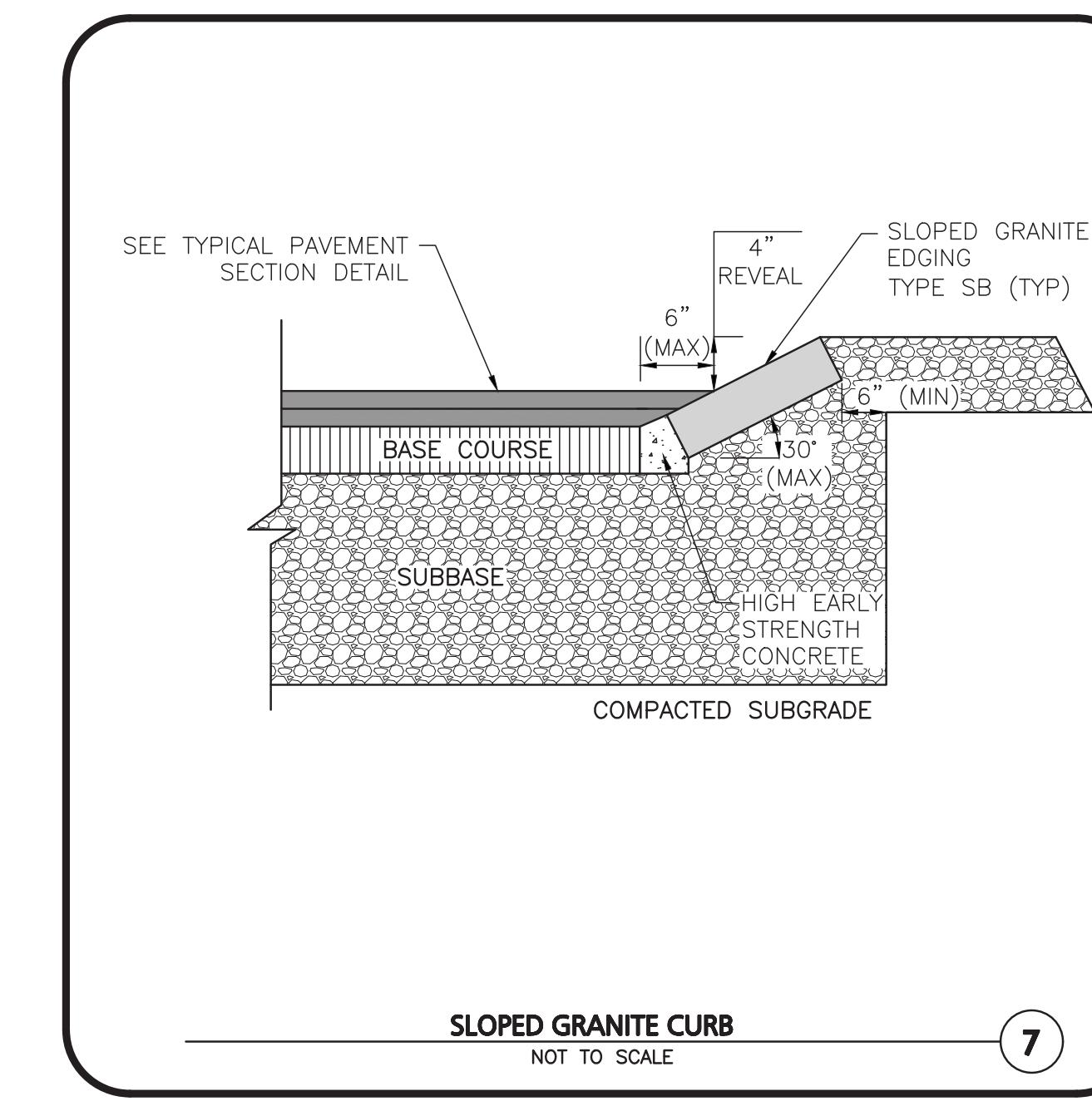
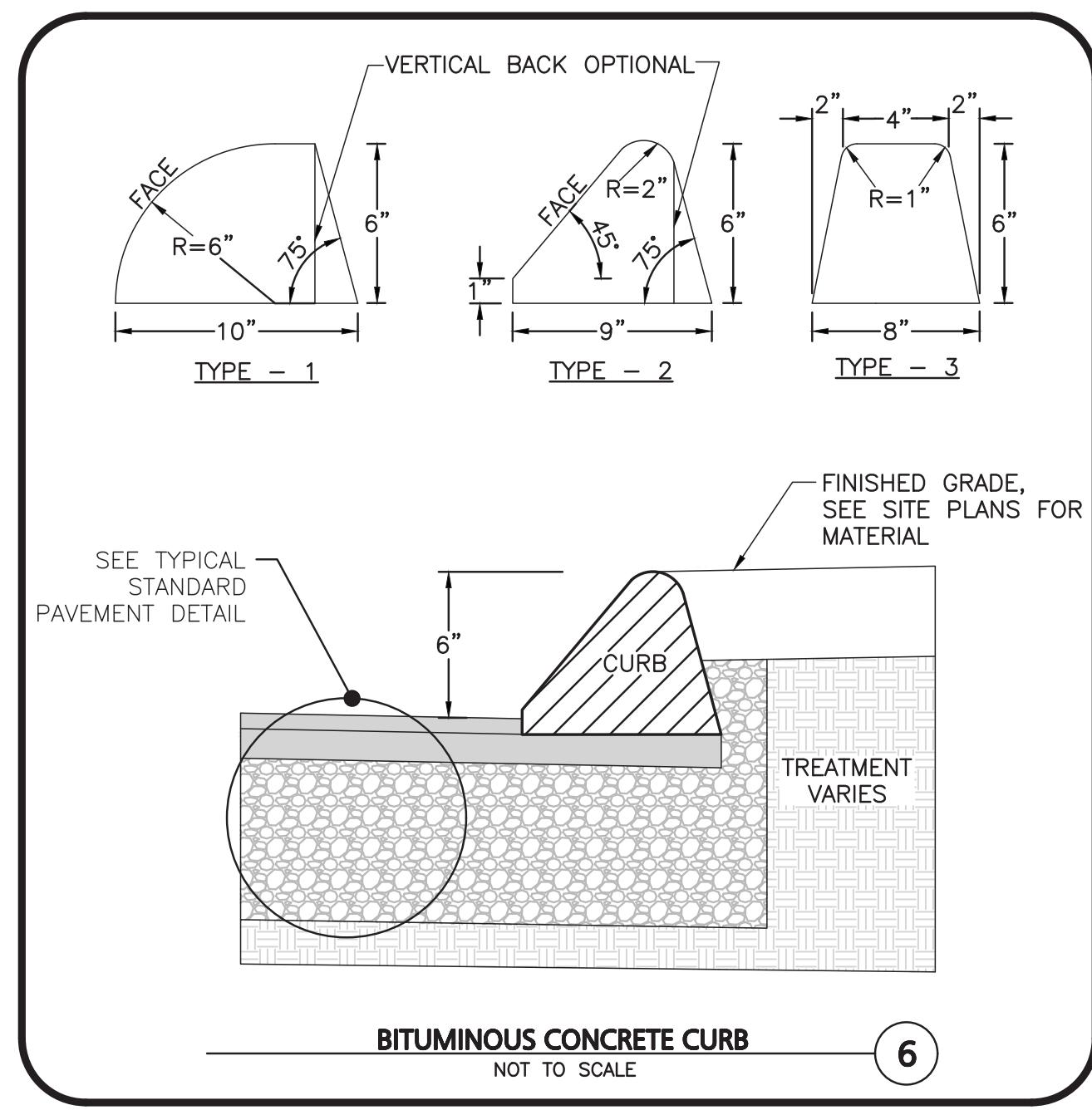
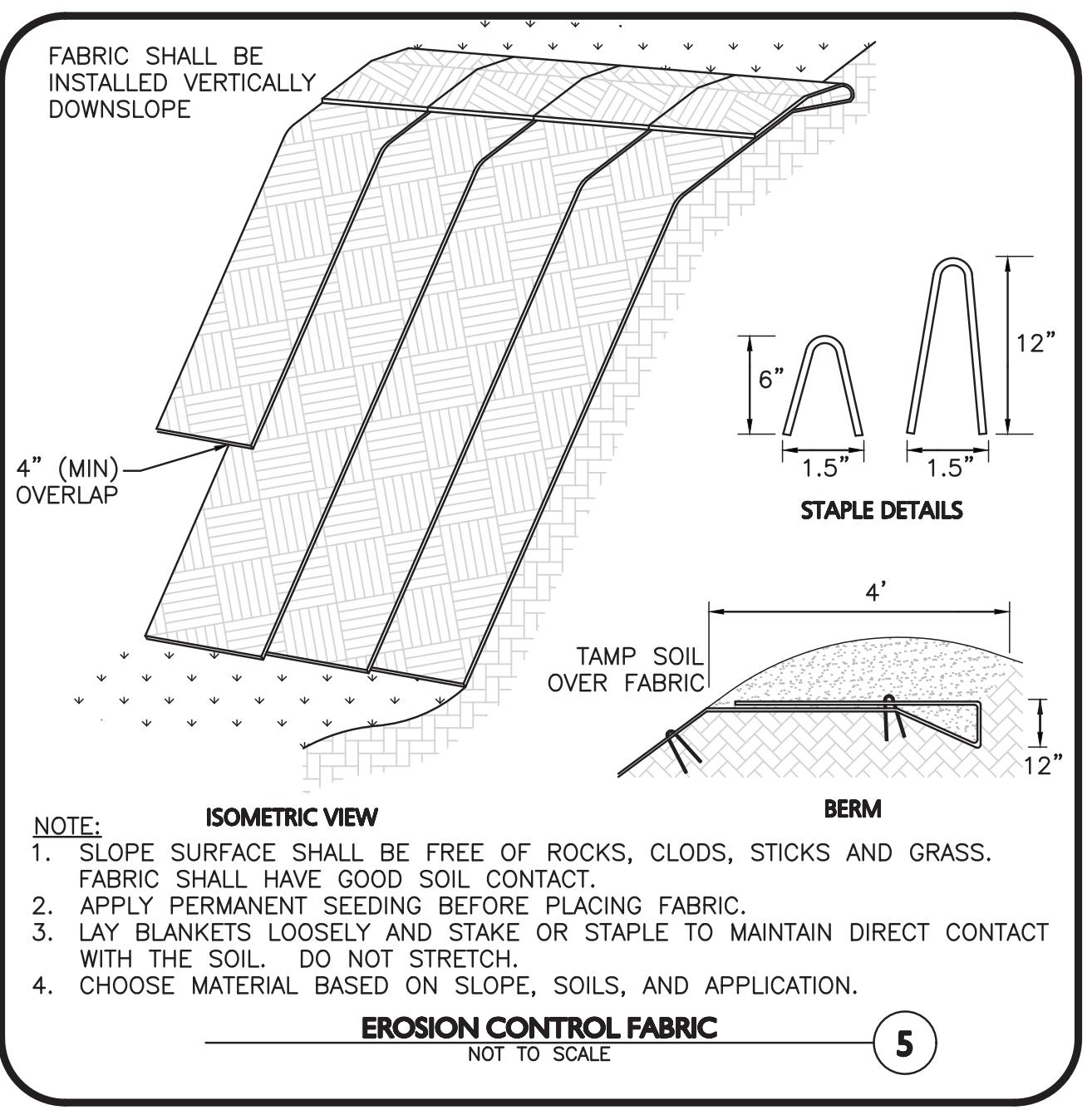
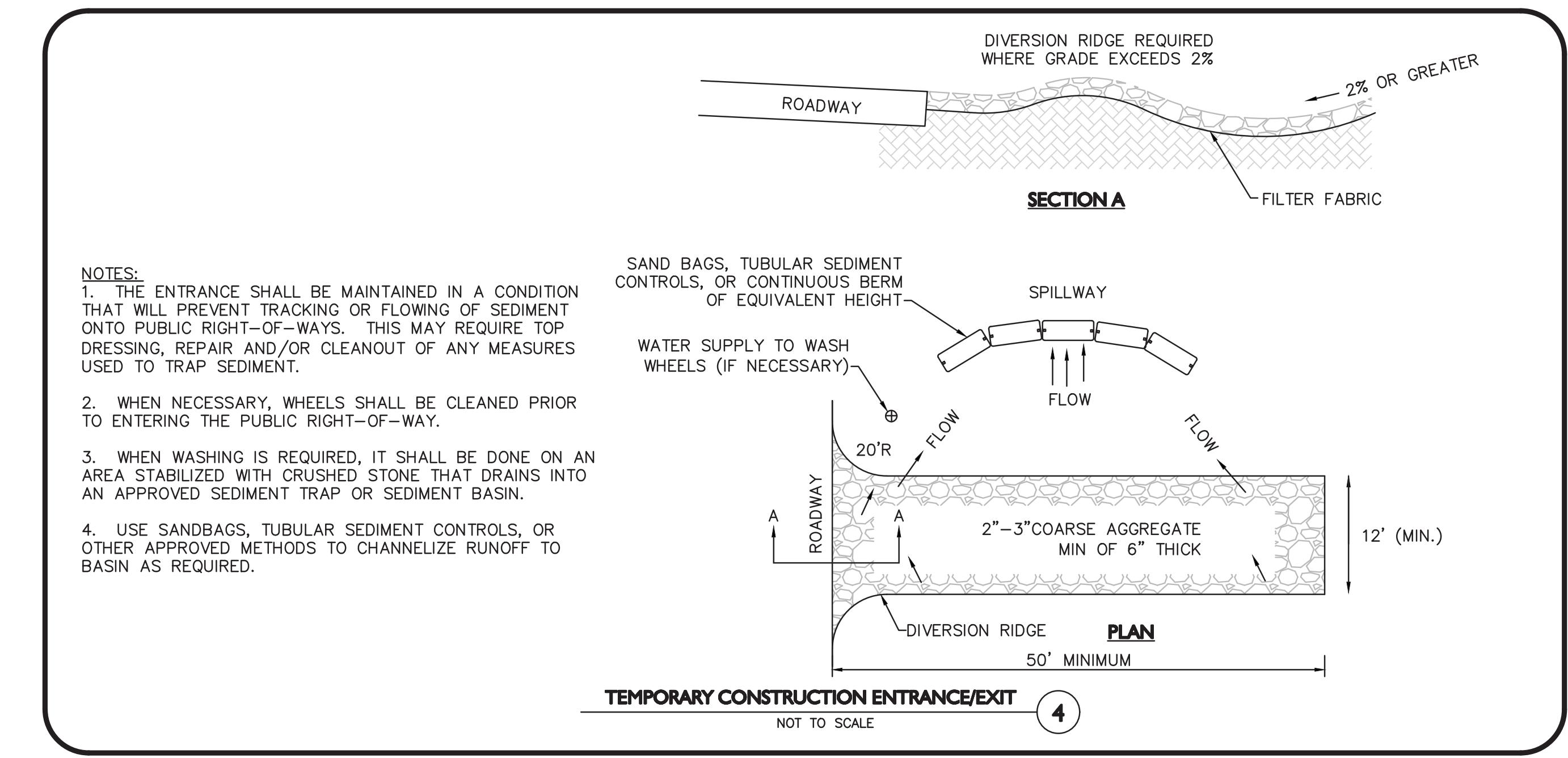
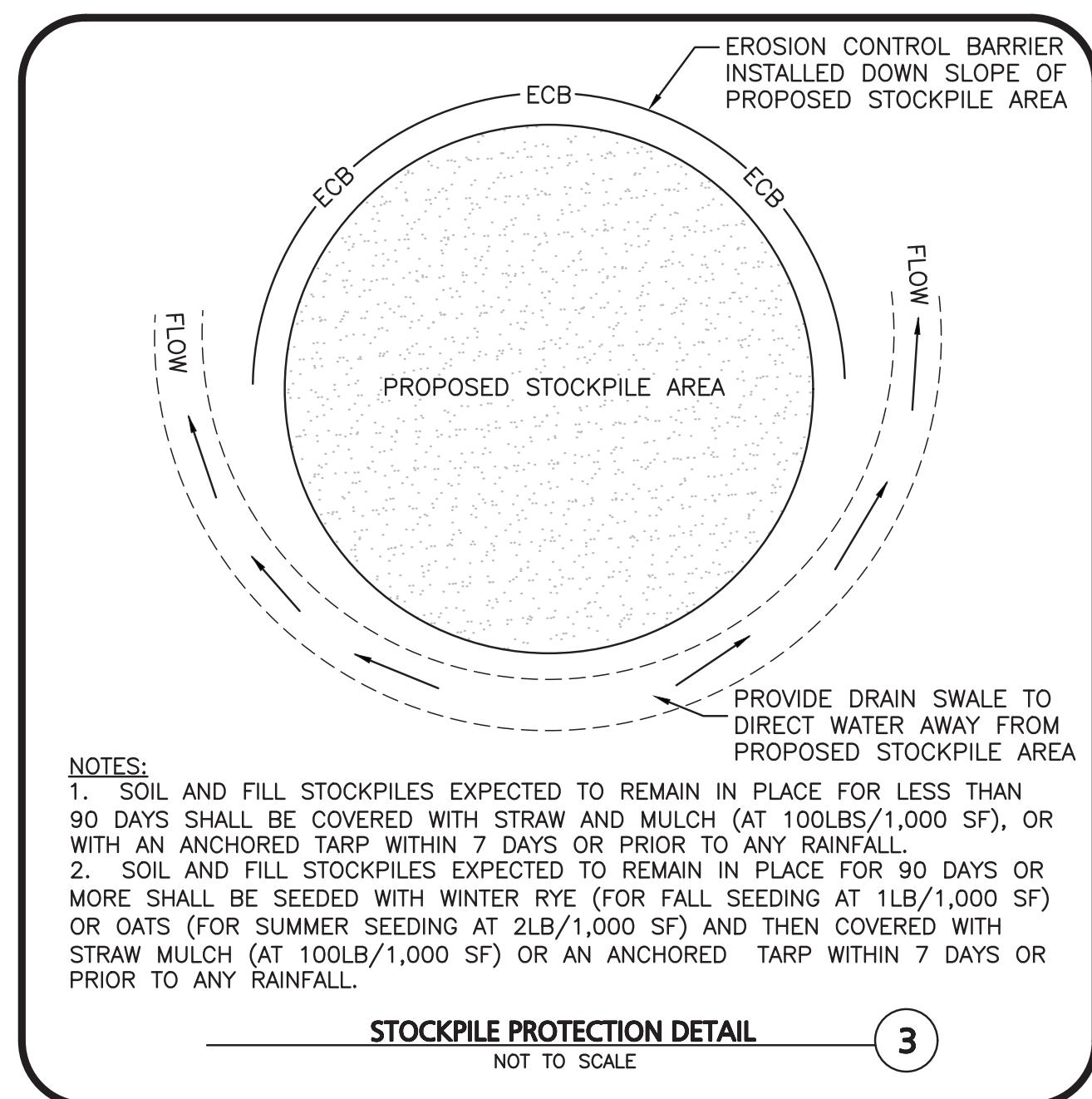
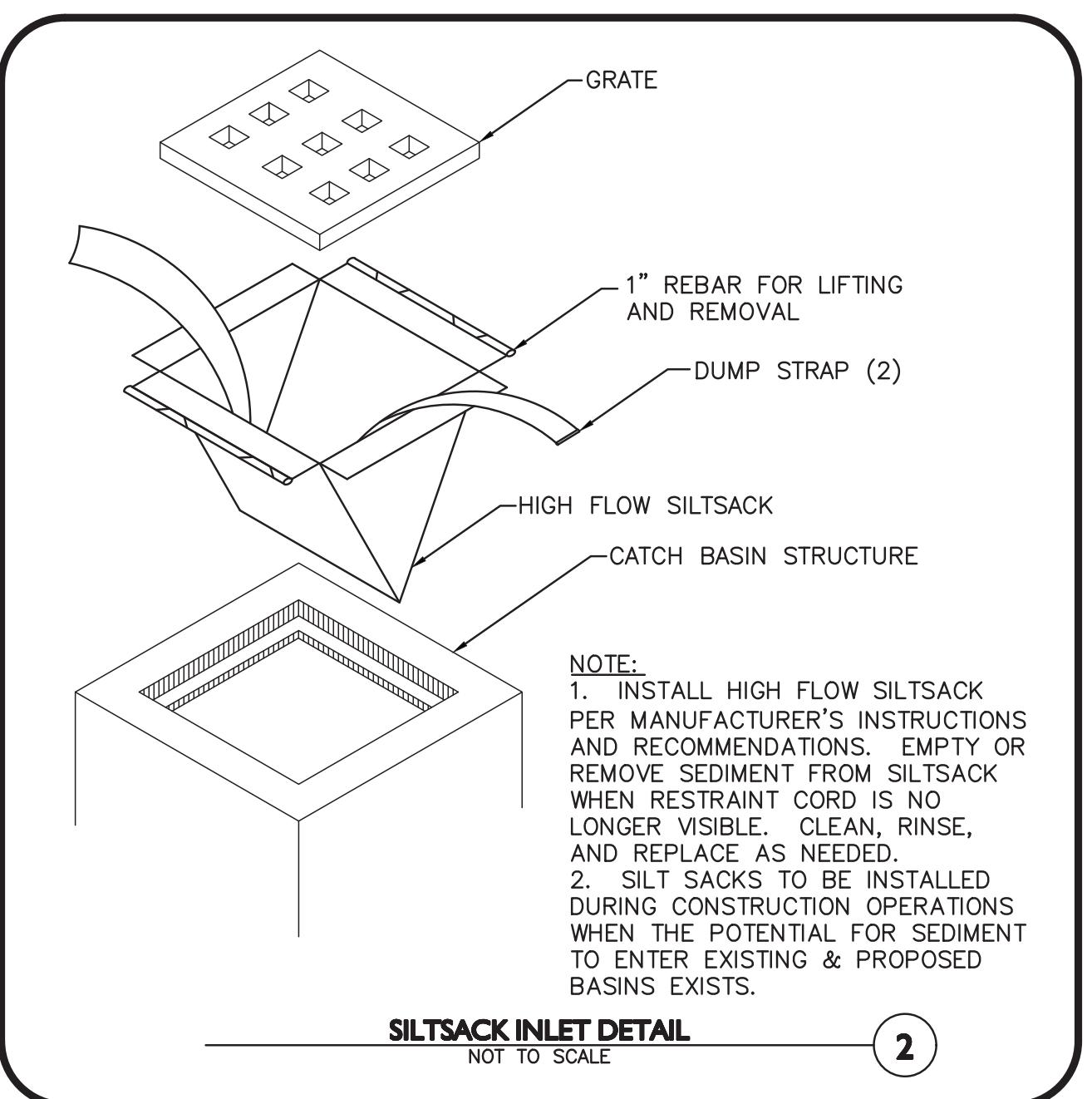
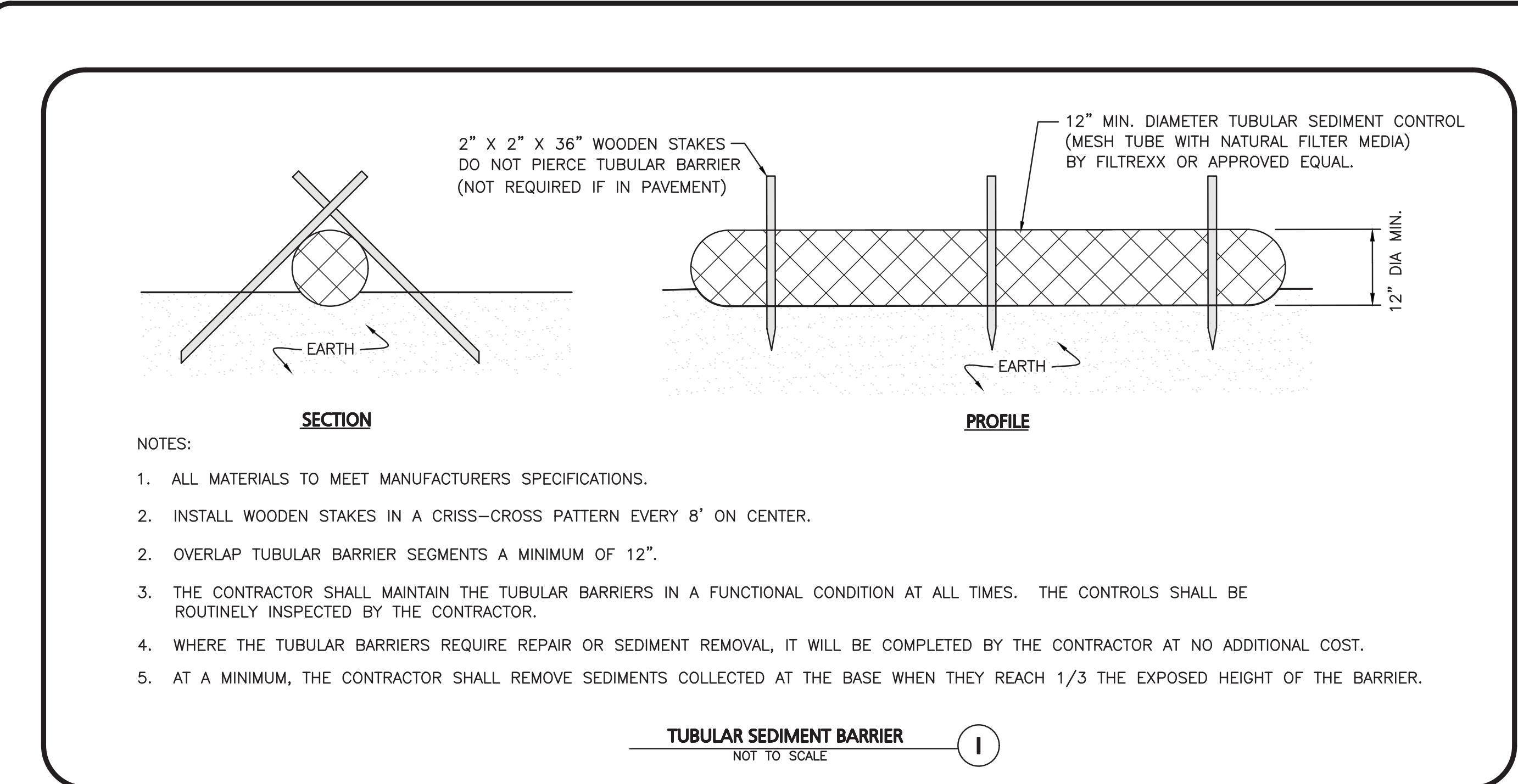

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PROPOSED EASEMENT PLAN
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5	04-09-2021	REVS PER PEER REVIEW
4	02-25-2021	CONVERSION TO SINGLE FAMILY HOMES
3	10-01-2020	ISSUED FOR ZBA APPLICATION
2	05-19-2020	MISC. REV. PER MASSHOUSING & ABUTTER WALK
1	01-21-2020	MISCELLANEOUS REVISIONS

REV DATE DESCRIPTION

APPLICANT/OWNER:
BARSKY ESTATE REALTY TRUST
23 HUNTING LANE
SHERBORN, MA 01770

PROJECT:

APPLE HILL ESTATES
31 HUNTING LANE
SHERBORN, MA 01770

PROJECT NO. 2513-02 DATE: 10-23-20

SCALE: AS SHOWN DWG. NAME: C2513-02

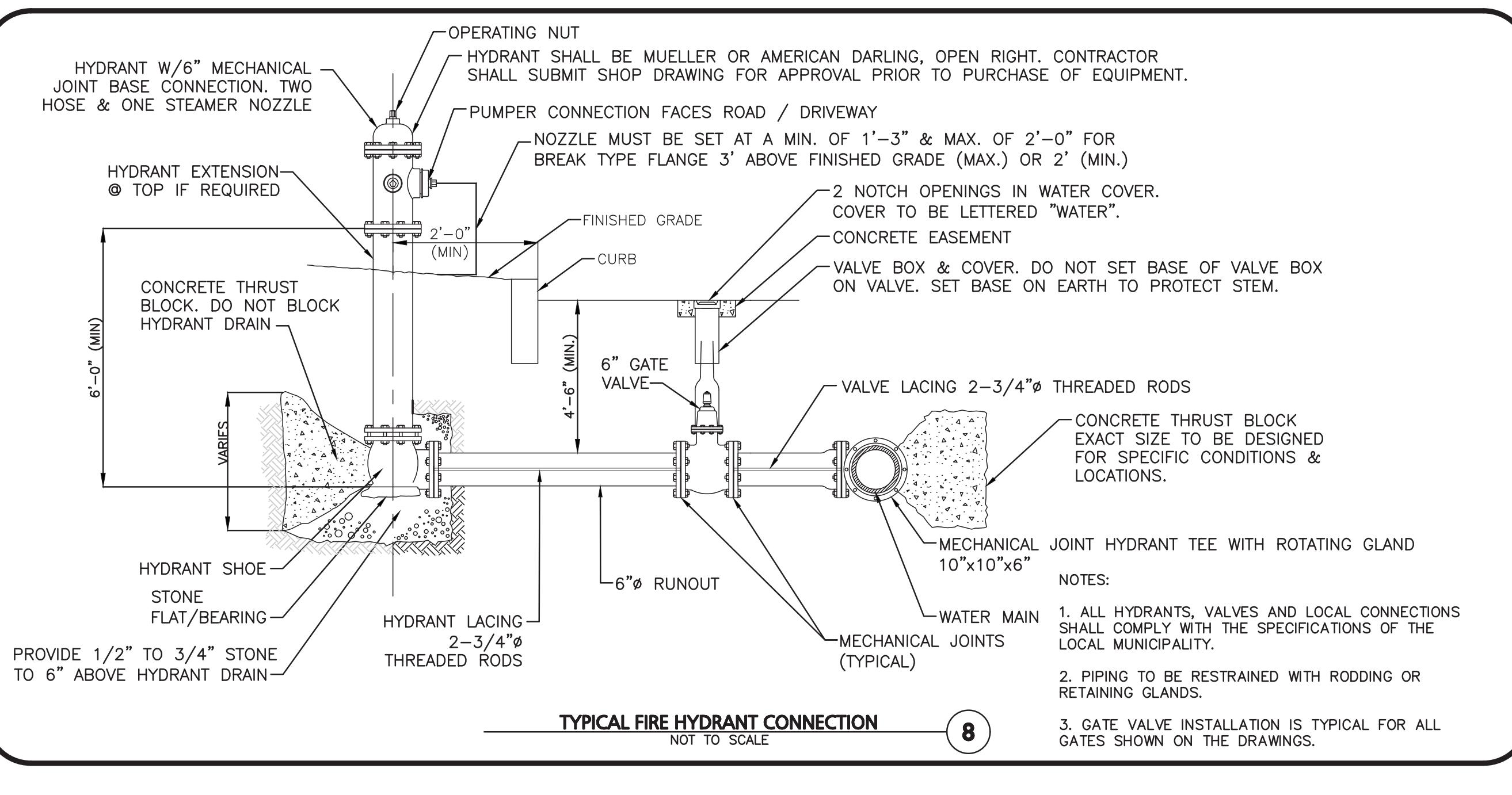
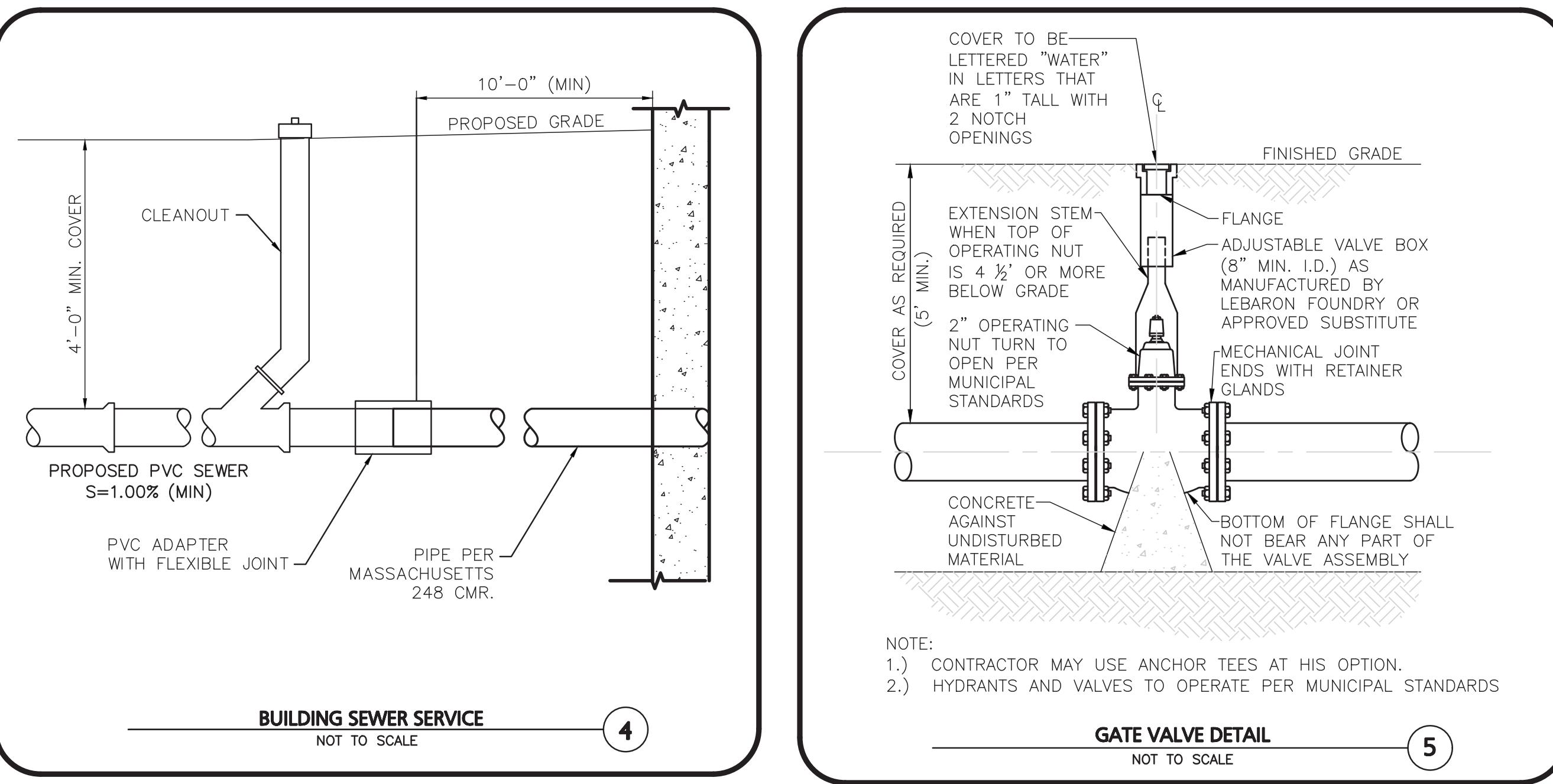
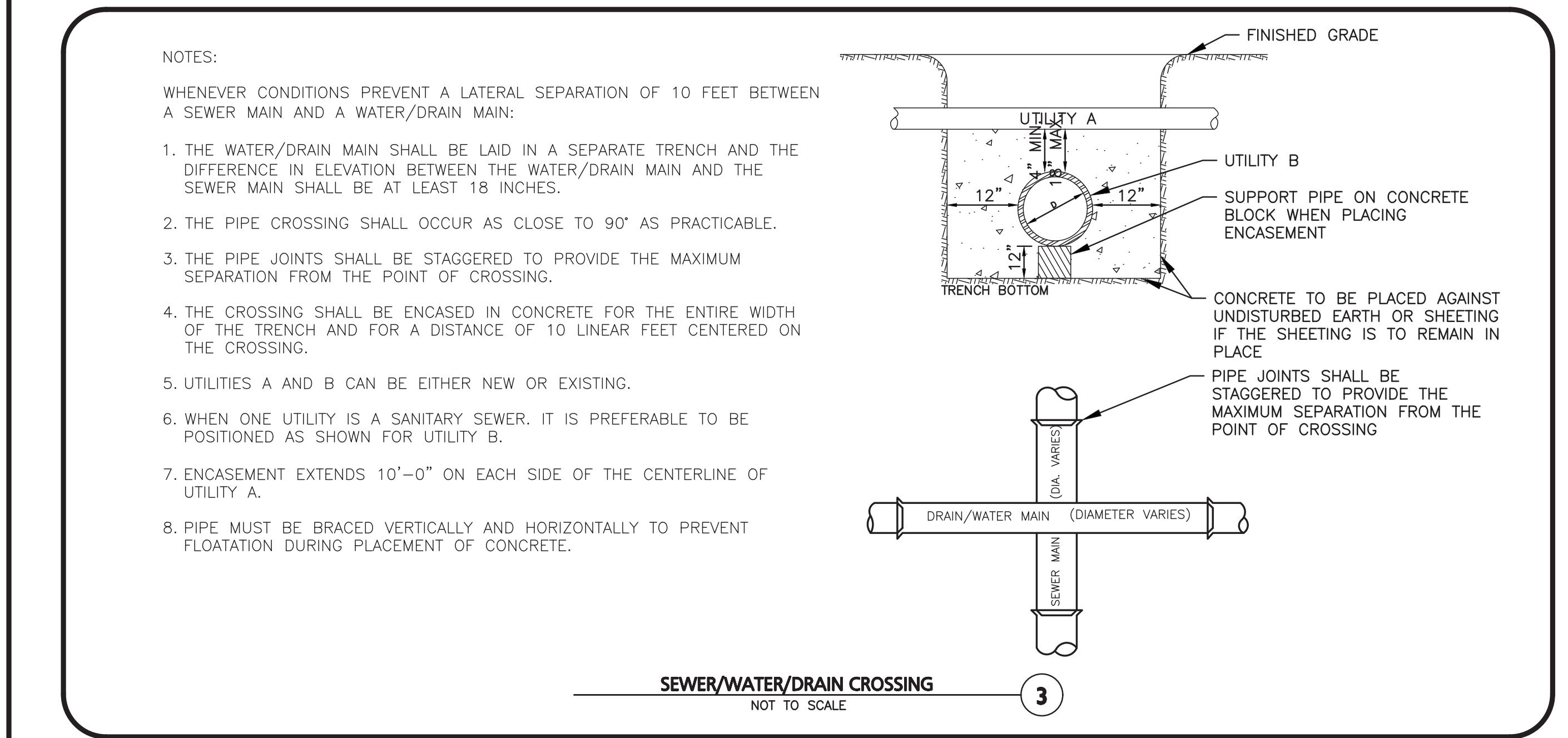
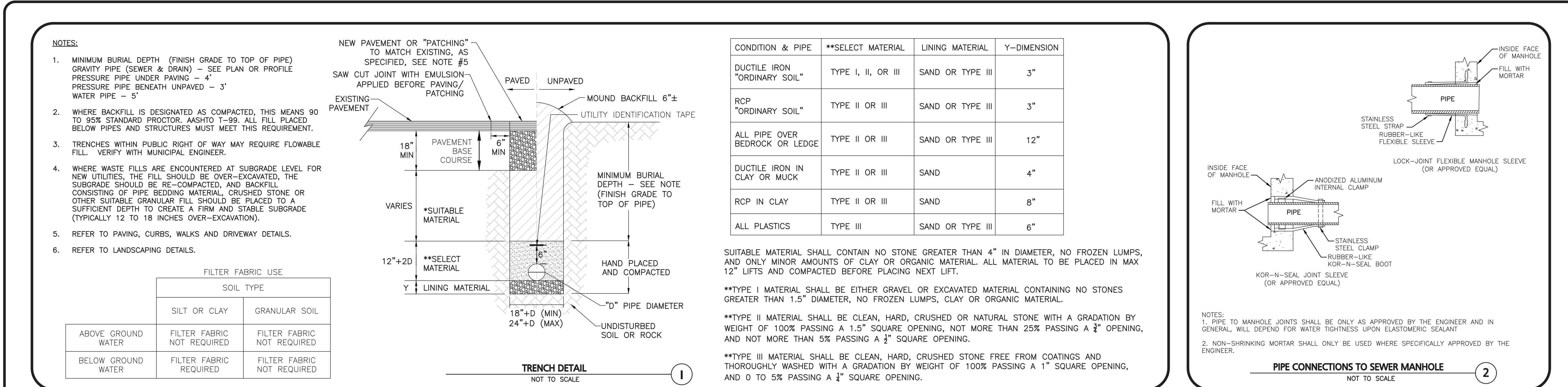
DESIGNED BY: SM CHECKED BY: MAM

PREPARED BY:

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04-09-2021 REV'S PER PEER REVIEW
04-25-2021 CONVERSION TO SINGLE FAMILY HOMES
3-10-01-2020 ISSUED FOR BZA APPLICATION
05-19-2020 MISC. REV. PER MASSHOUSING & BUTTERWALK
01-21-2020 MISCELLANEOUS REVISIONS
REV DATE DESCRIPTION
APPLICANT/OWNER:
BARSKY ESTATE REALTY TRUST
23 HUNTING LANE
SHERBORN, MA 01770

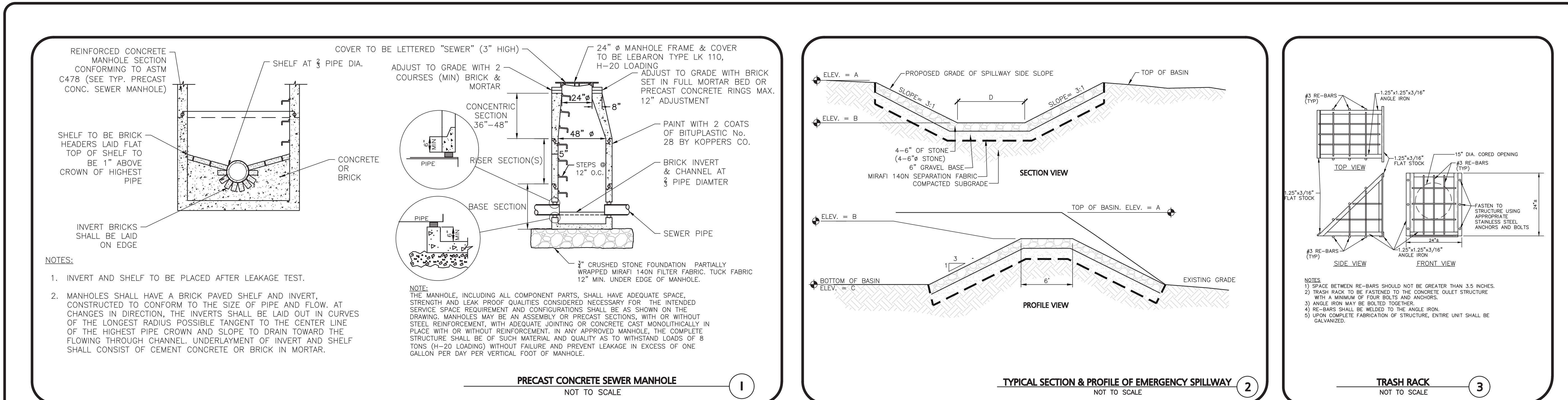
PROJECT:
APPLE HILL ESTATES
31 HUNTING LANE
SHERBORN, MA 01770

PROJECT NO. 2513-02 DATE: 10-23-20
SCALE: AS SHOWN DWG. NAME: C2513-02
DESIGNED BY: SM CHECKED BY: MAM

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1	01-21-2020	MISCELLANEOUS REVISIONS
REV	DATE	DESCRIPTION

APPLICANT/OWNER:
BARSKY ESTATE REALTY TRUST
23 HUNTING LANE
SHERBORN, MA 01770

PROJECT:
APPLE HILL ESTATES
31 HUNTING LANE
SHERBORN, MA 01770

PROJECT NO. 2513-02 DATE: 10-23-20

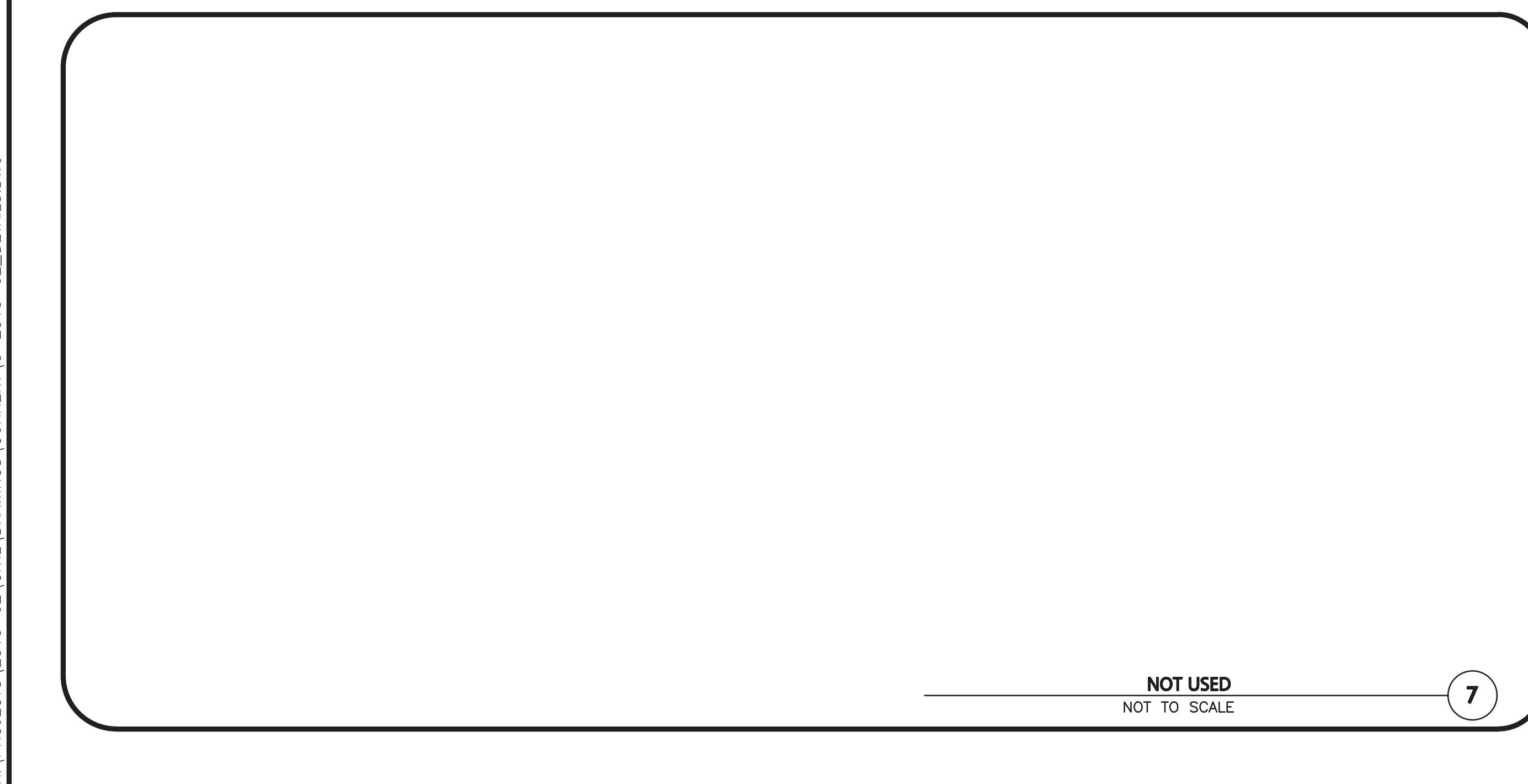
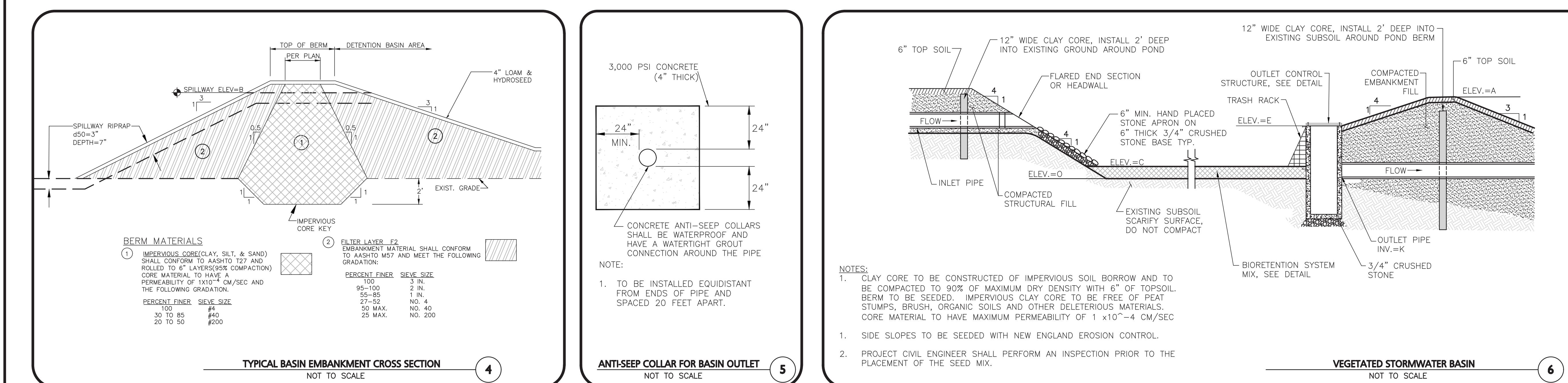
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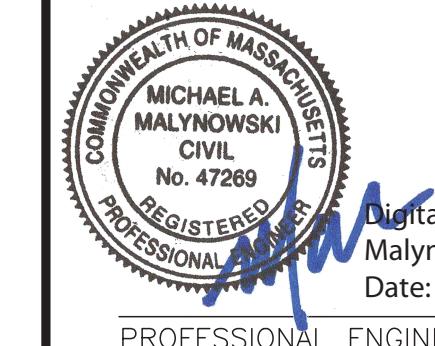
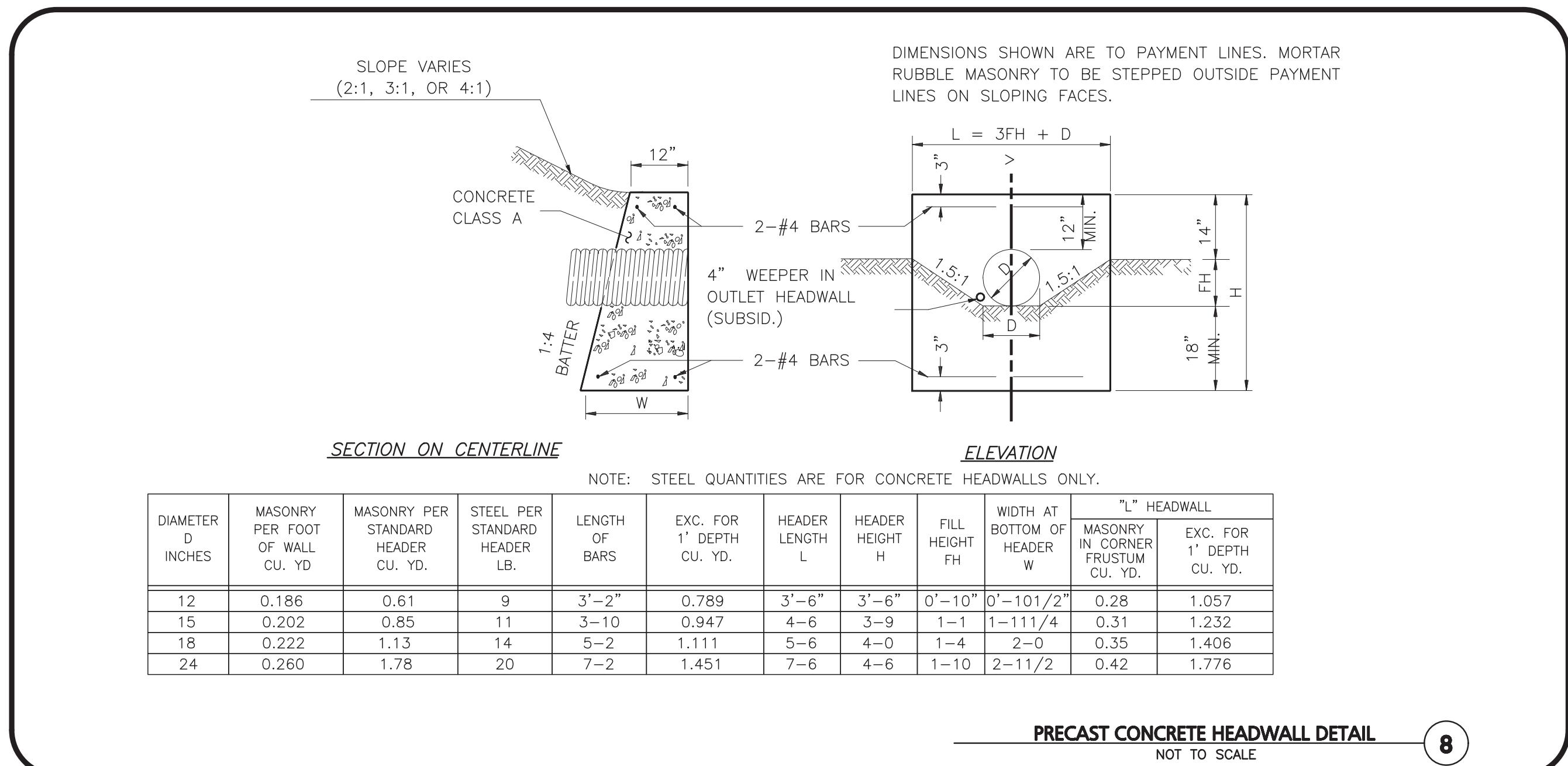
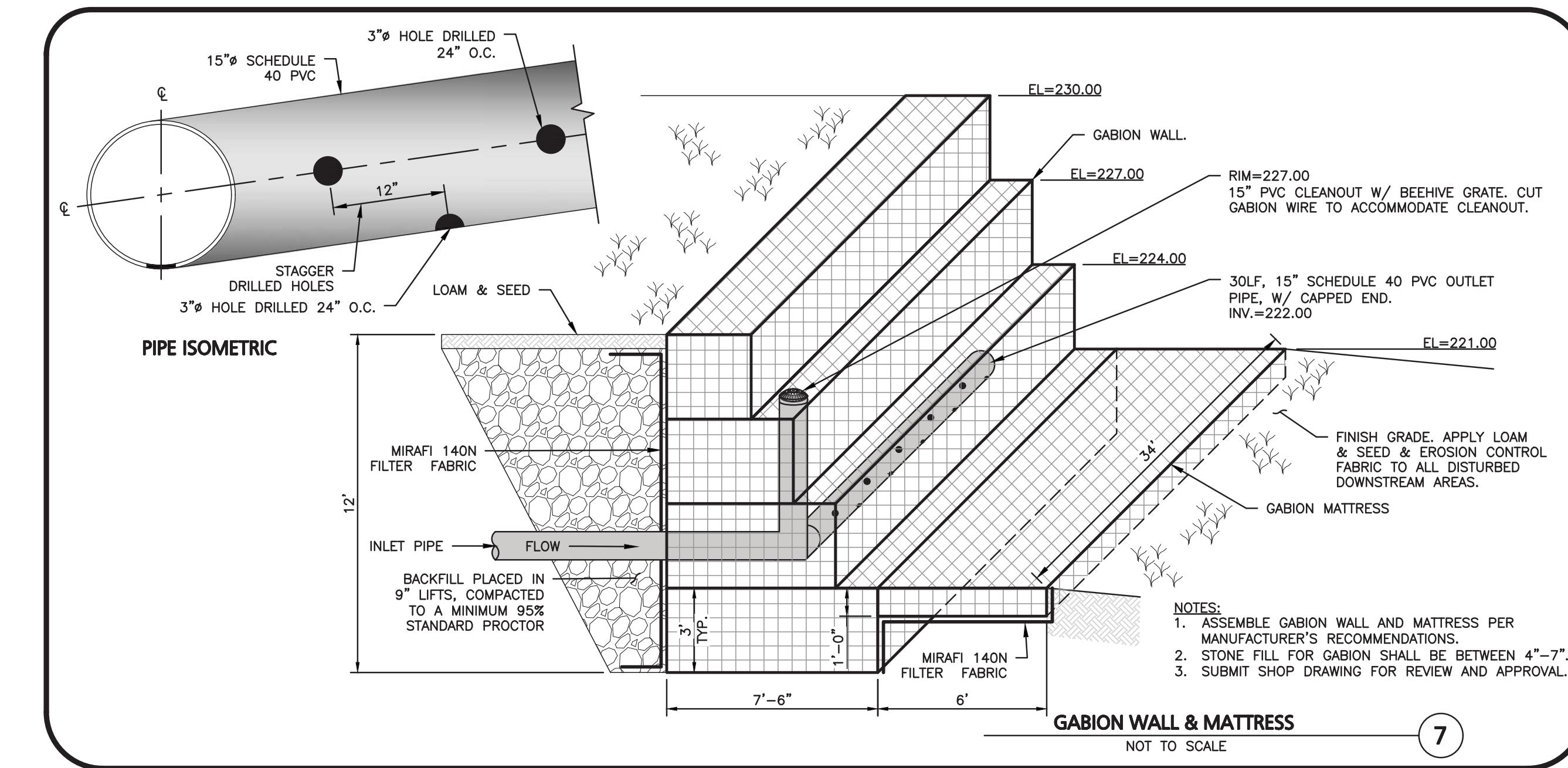
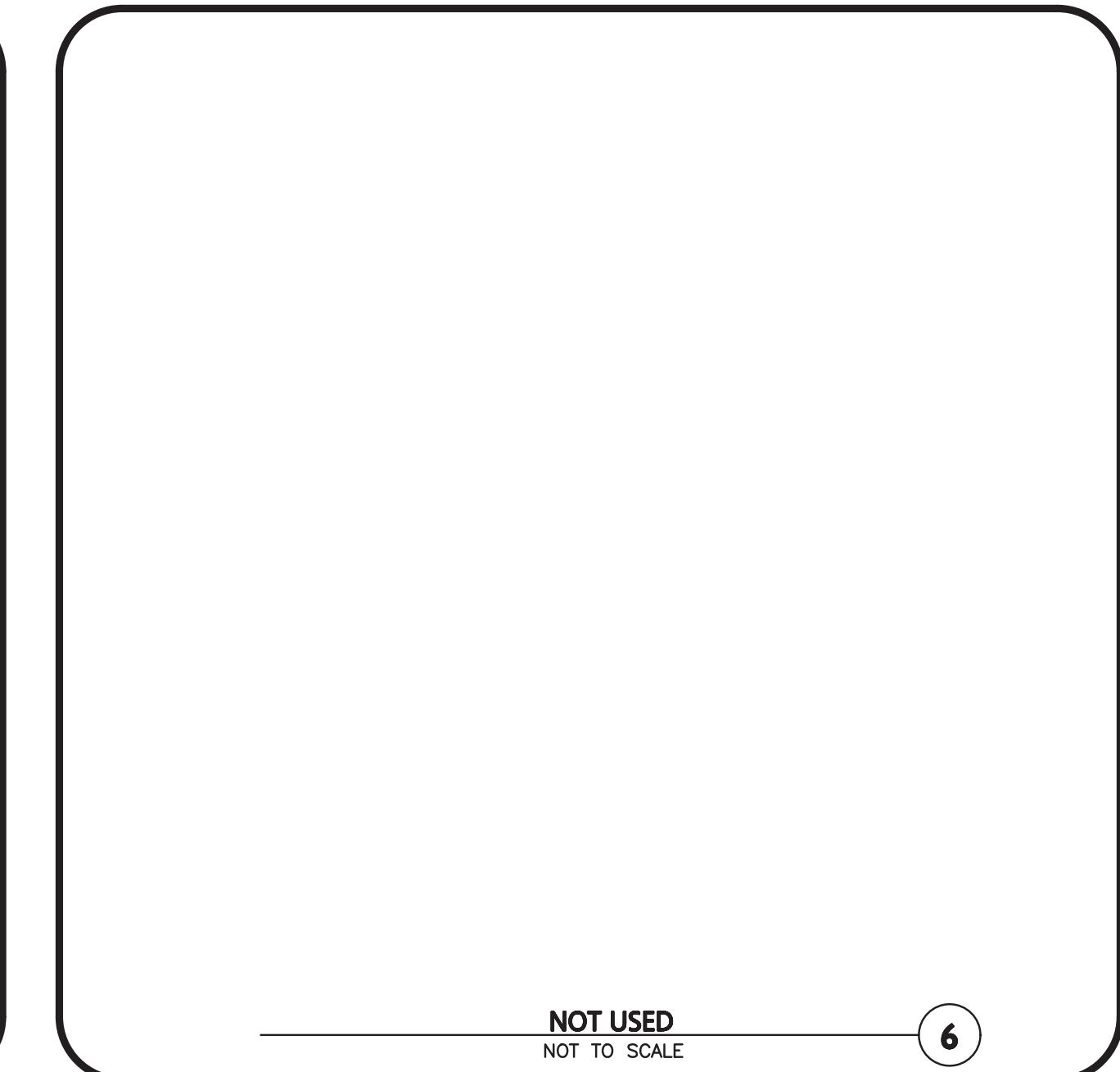
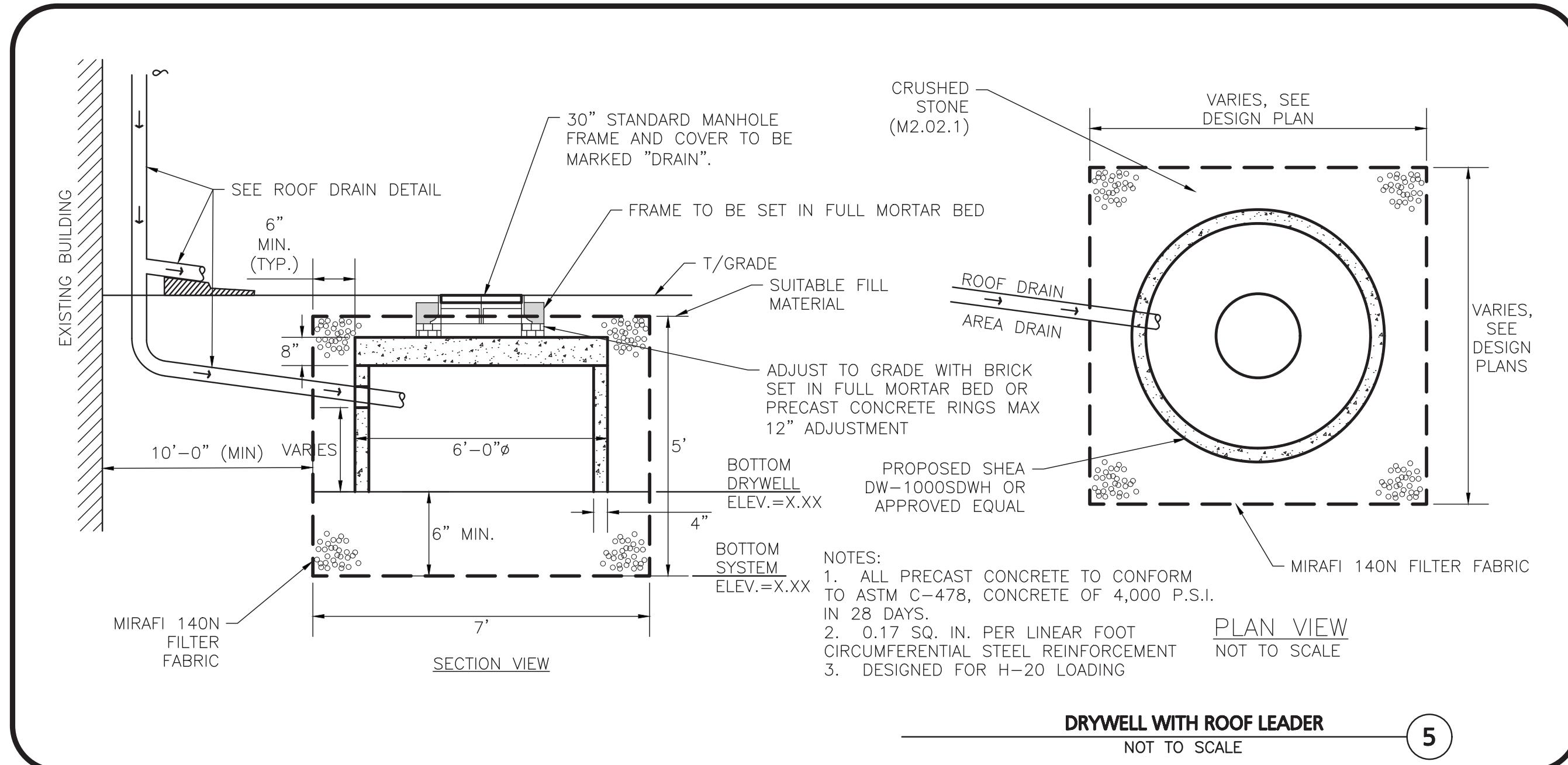
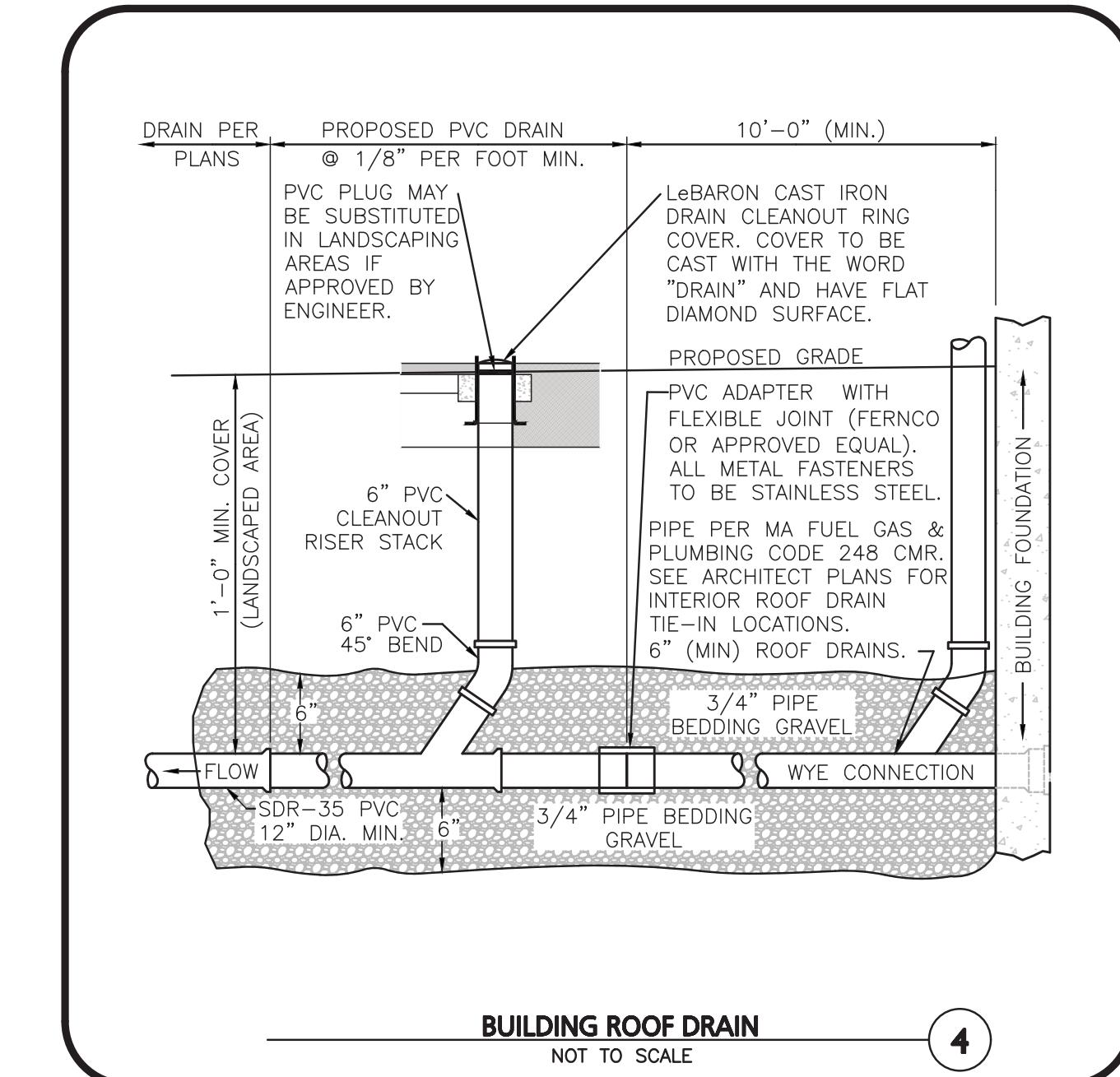
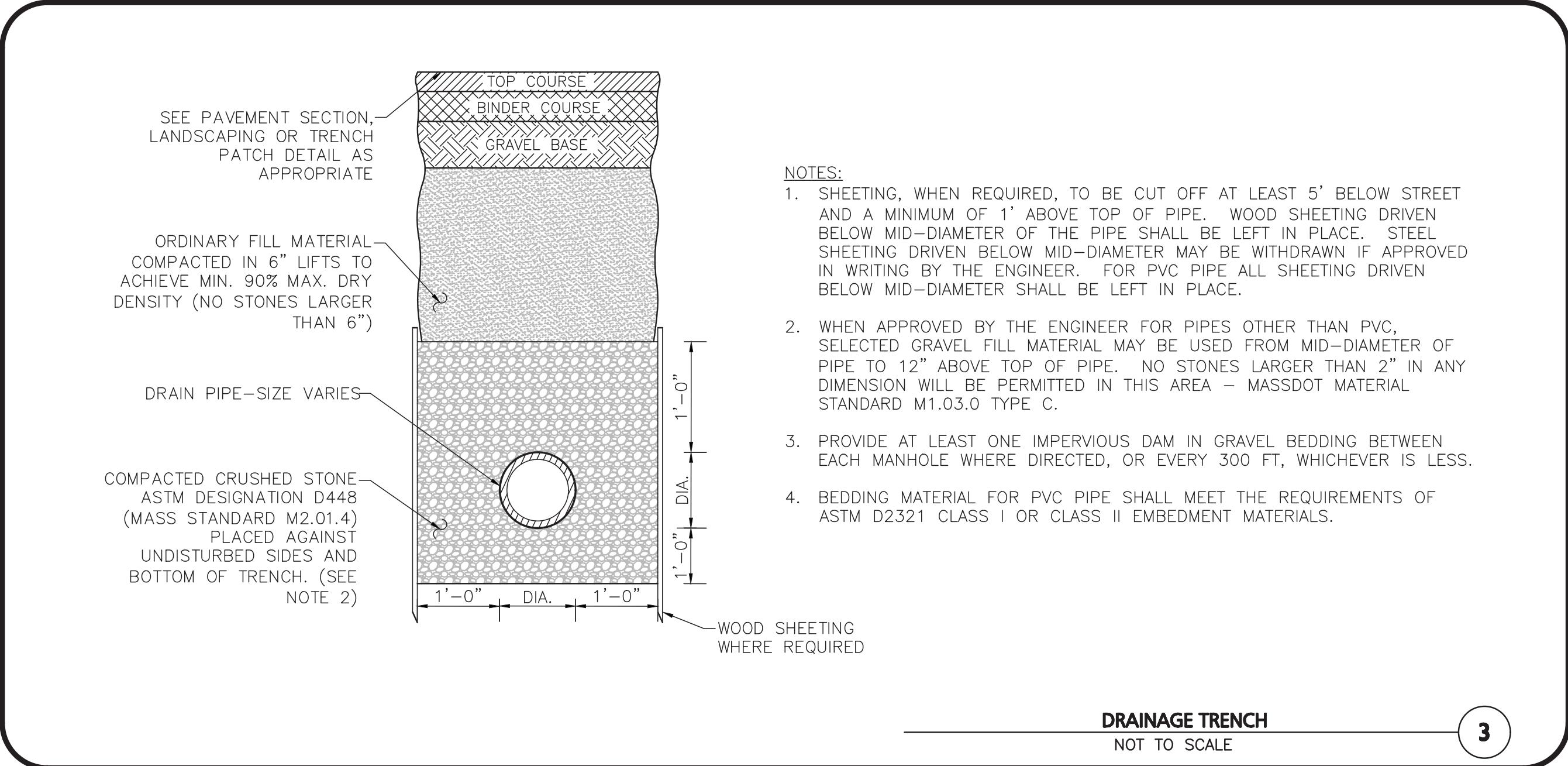
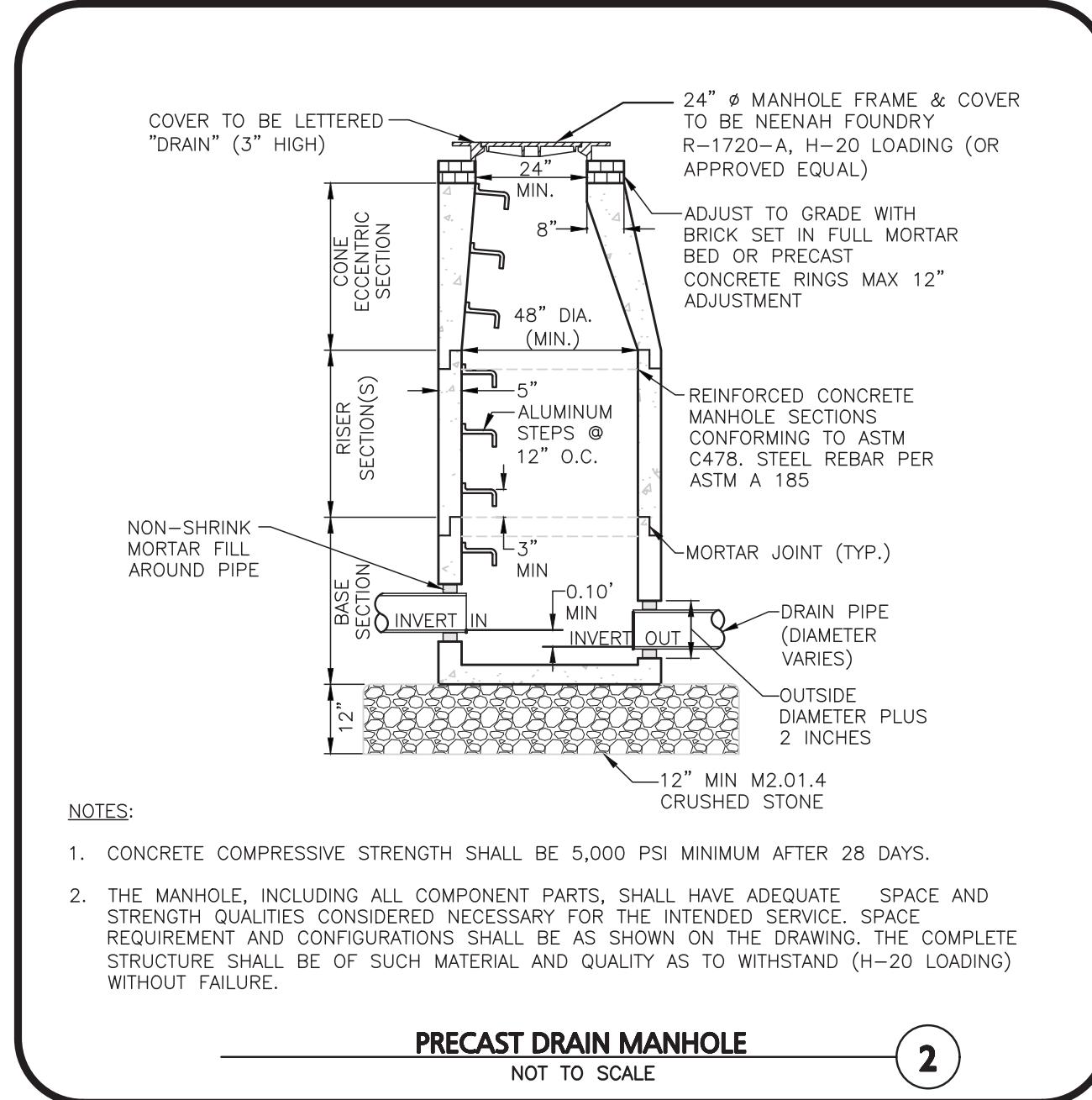
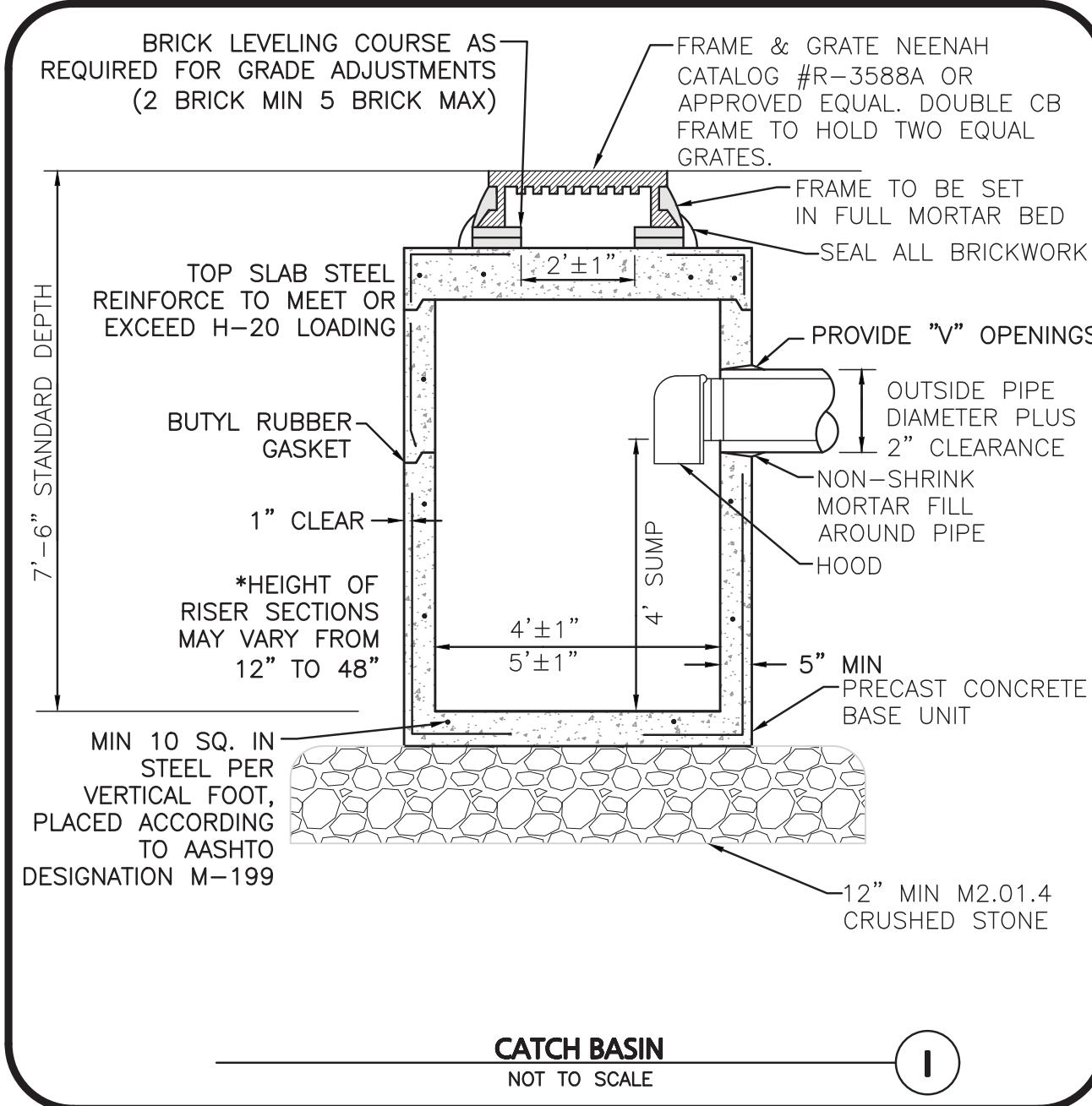
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5	04-09-2021	REVS PER PEER REVIEW
4	02-25-2021	CONVERSION TO SINGLE FAMILY HOMES
3	10-01-2020	ISSUED FOR ZBA APPLICATION
2	05-19-2020	MISC. REV. PER MASSHOUSING & ABUTTER WALK
1	01-21-2020	MISCELLANEOUS REVISIONS

REV DATE DESCRIPTION

APPLICANT/OWNER:
BARSKY ESTATE REALTY TRUST
23 HUNTING LANE
SHERBORN, MA 01770

PROJECT:
APPLE HILL ESTATES
31 HUNTING LANE
SHERBORN, MA 01770

PROJECT NO.	2513-02	DATE:	10-23-20
SCALE:	AS SHOWN	DWG. NAME:	C2513-02
DESIGNED BY:	SM	CHECKED BY:	MAM

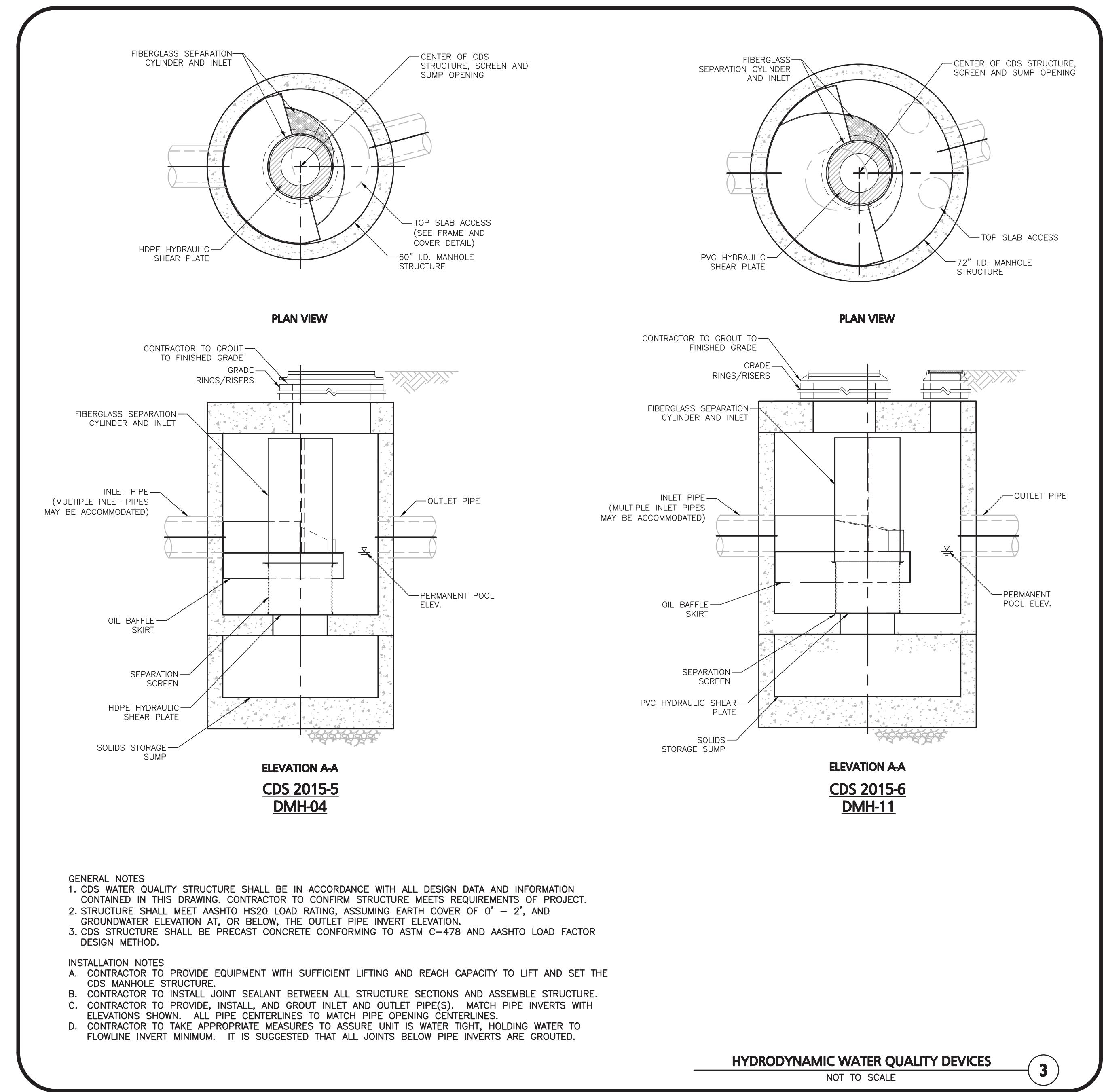
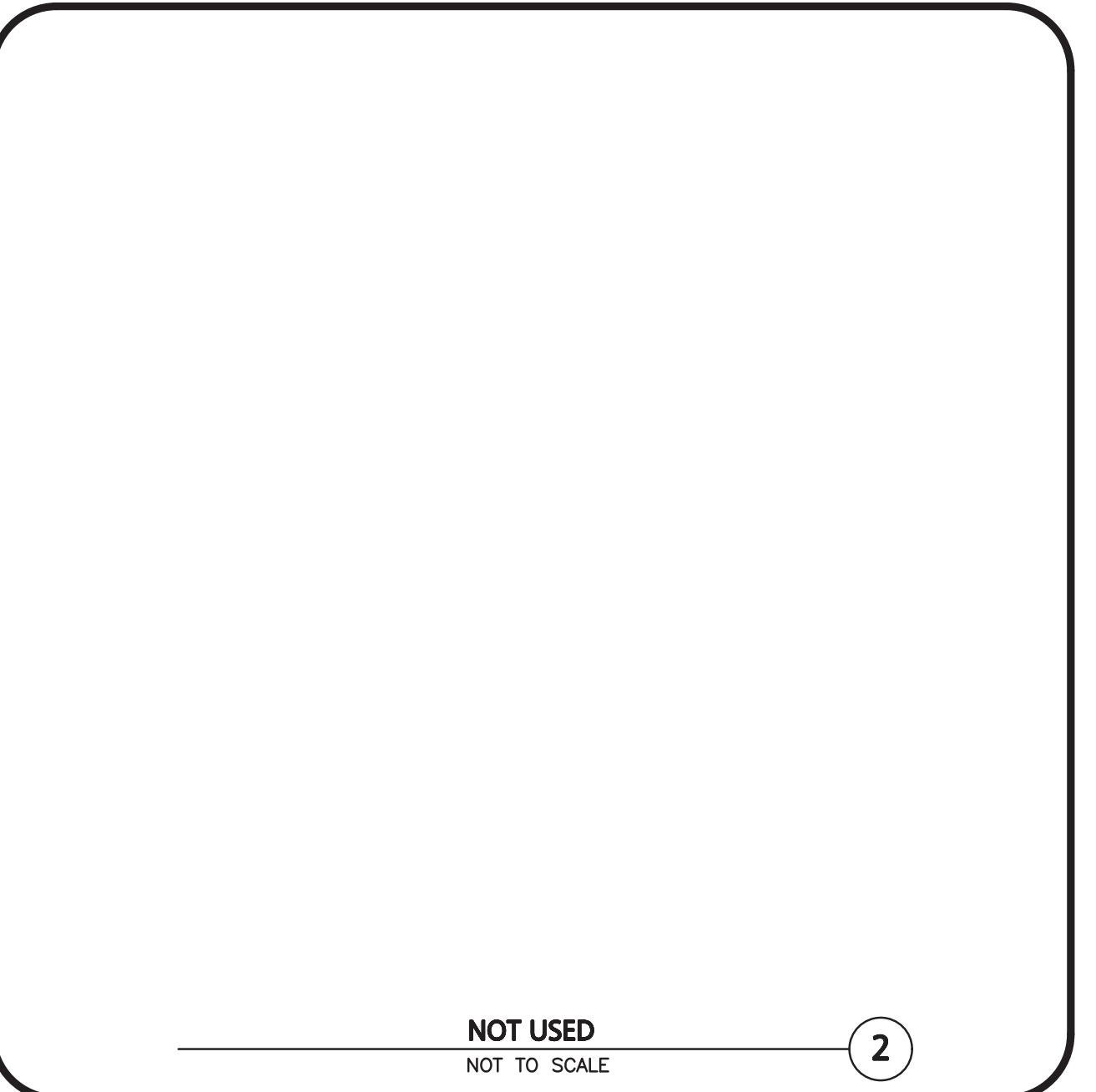
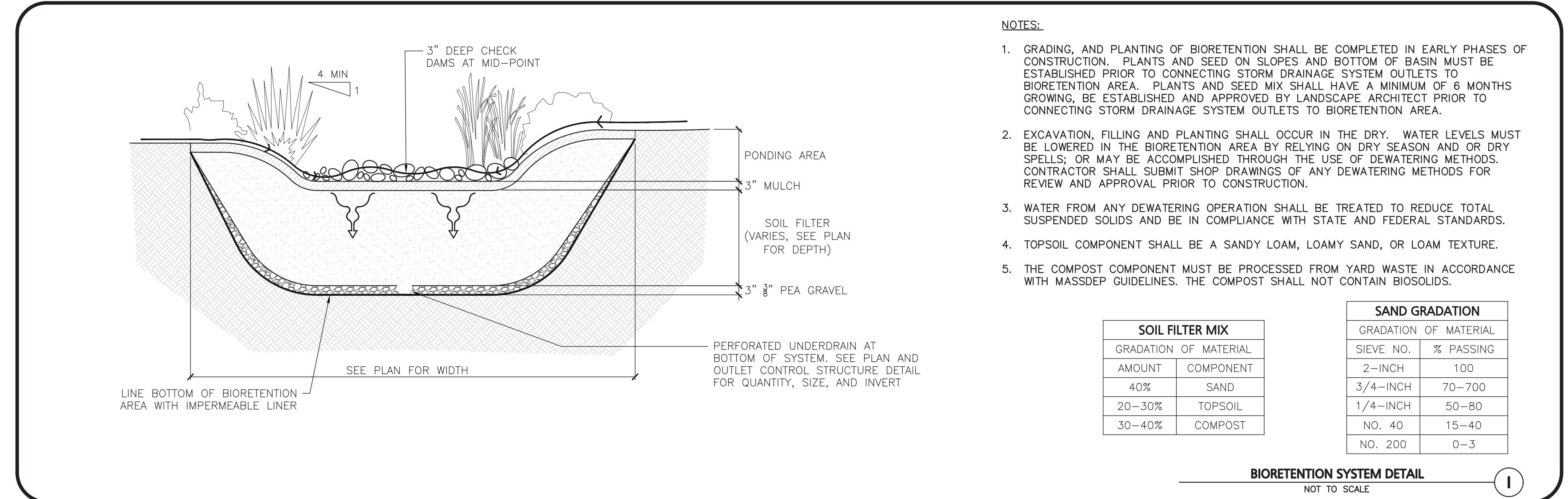
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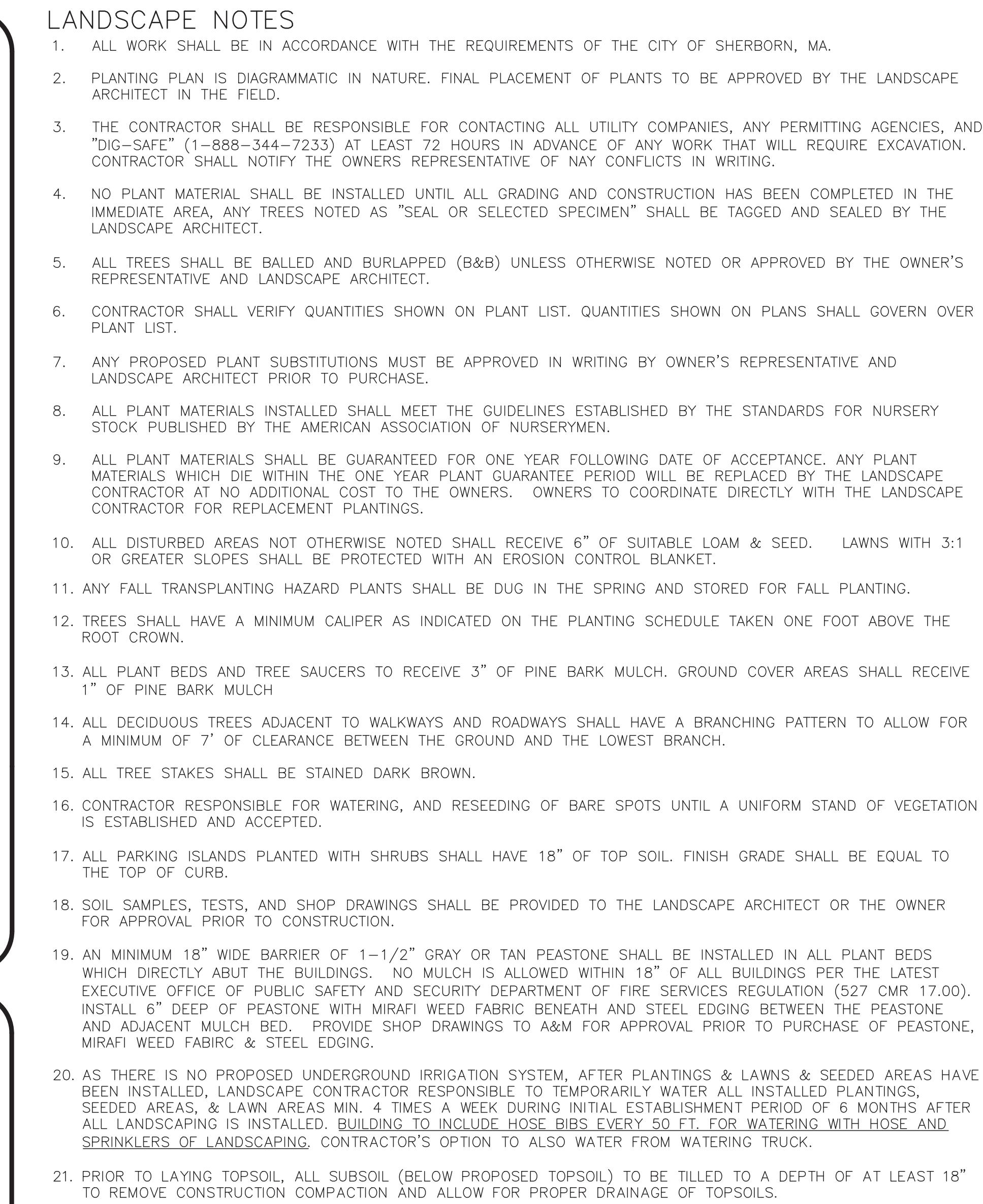
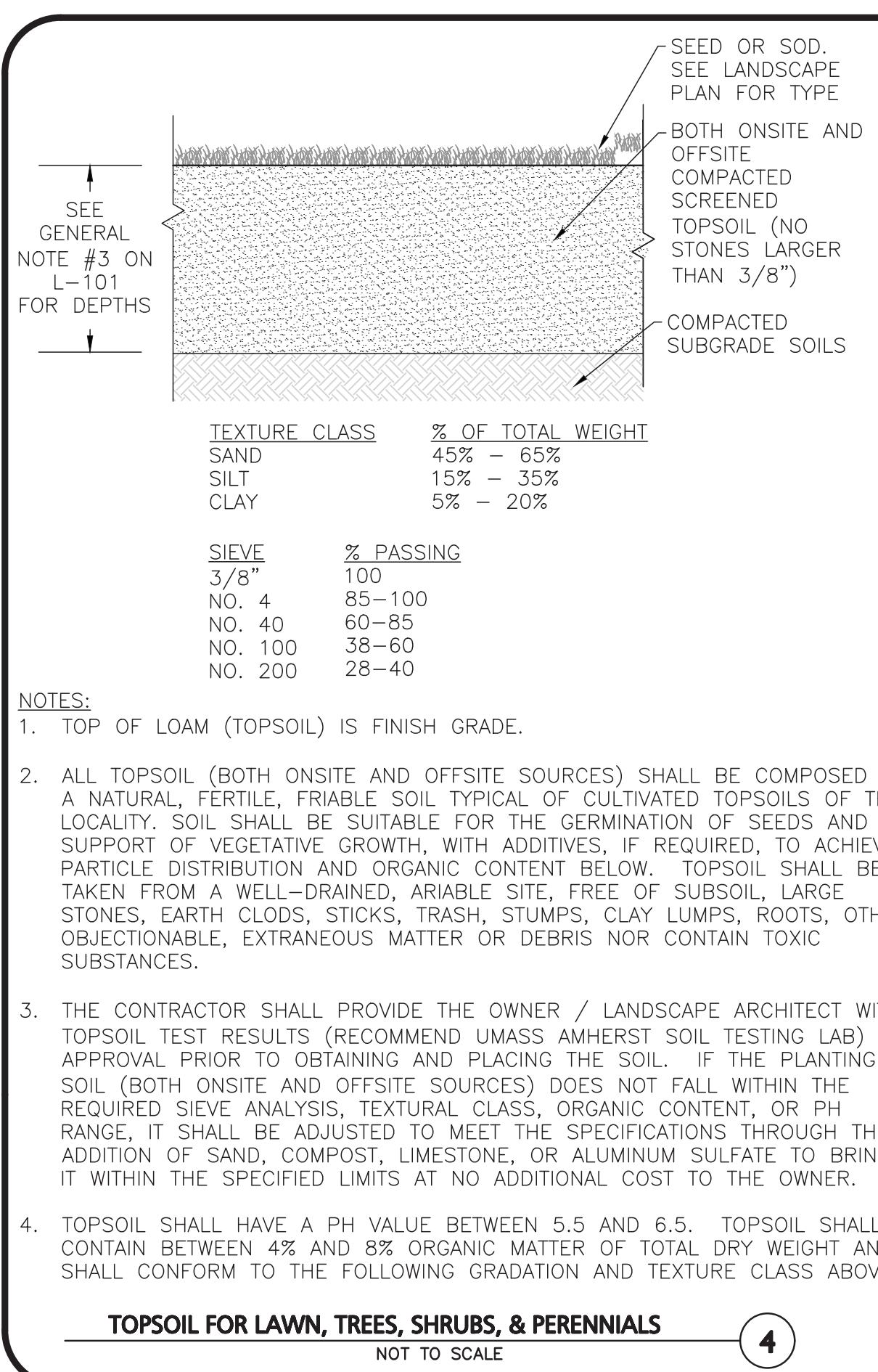
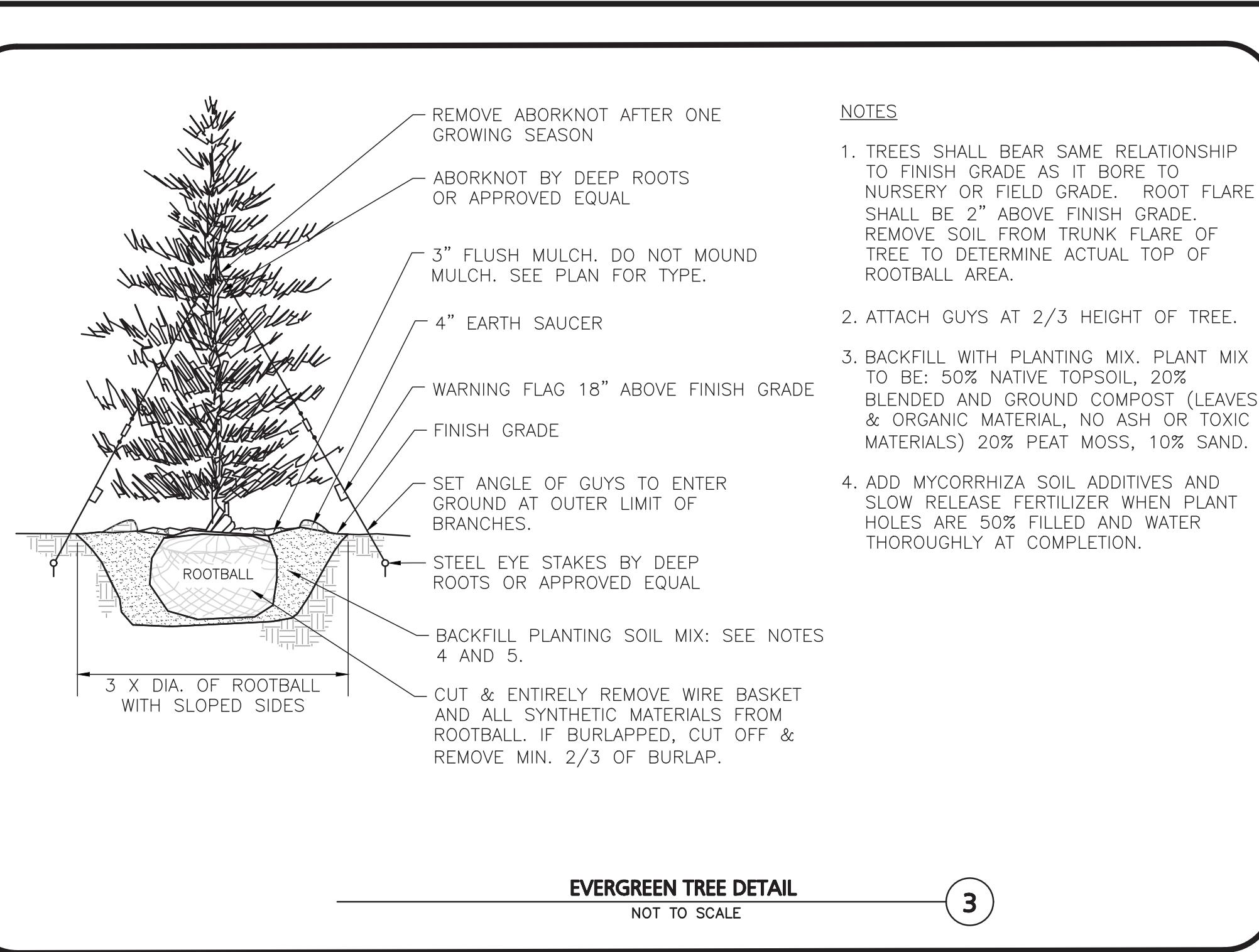
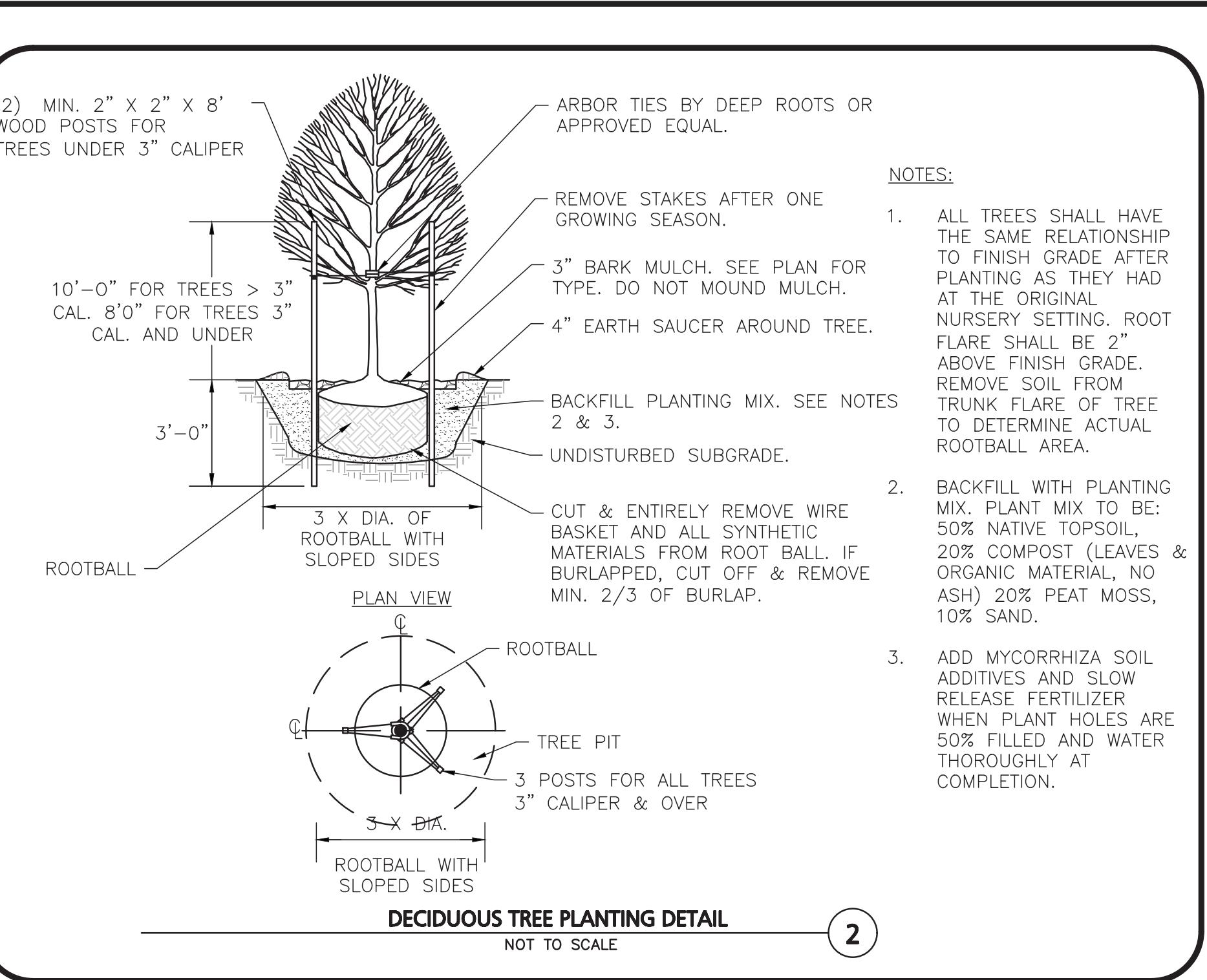
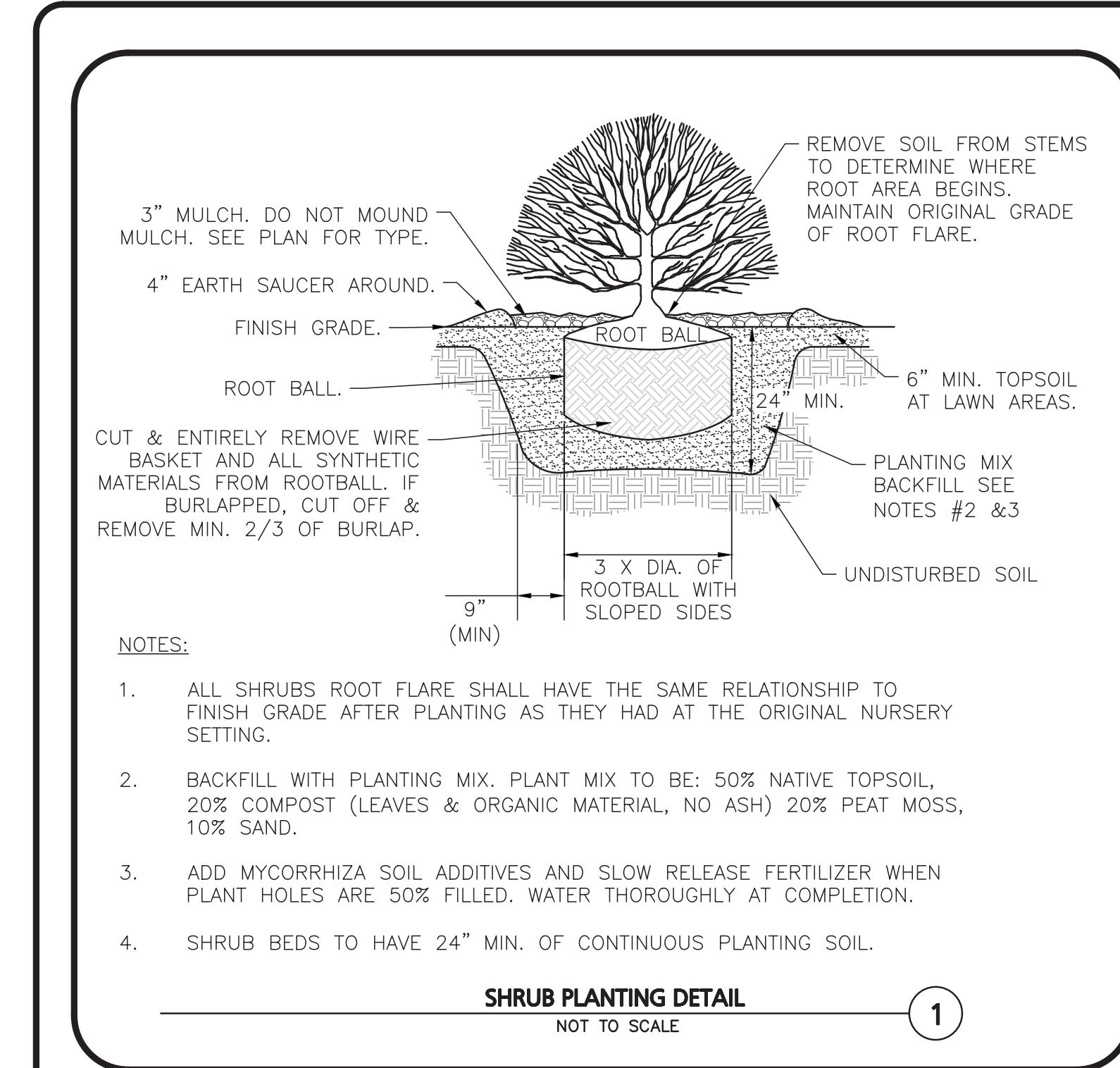


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KEY	QUANTITY	BOTANICAL NAME	COMMON NAME	MIN. SIZE	SPACING	COMMENTS
DECIDUOUS TREES						
AR	12	ACER RUBRUM 'RED SUNSET'	RED SUNSET MAPLE	2" CAL.	AS SHOWN	B&B
TC	23	TLIA CORDATA	LITTLELEAF LINDEN	2.5" CAL.	AS SHOWN	B&B
EVERGREEN TREES						
AC	31	ABIES CONCOLOR	WHITE FIR	8'-10'	AS SHOWN	B&B
TT	51	THUJA 'GREEN GIANT'	GREEN GIANT ARBORVITAE	8'-10'	AS SHOWN	B&B
SHRUBS						
AM	23	AMELANCHIER CANADENSIS	SERVICEBERRY	5-6' HT.	AS SHOWN	B&B
CA	27	CLETHRA ALNIFOLIA	SWEET PEPPERMINT	2'-2.5' HT.	AS SHOWN	B&B
HQ	17	HYDRANGEA QUERCIFOLIA	OAKLEAF HYDRANGEA	2'-3' HT.	AS SHOWN	B&B
HP	12	HYDRANGEA PANICULATA	PANICLE HYDRANGEA	#10	AS SHOWN	POTTED
PO	18	PHYSOCARPIUS OPULIFOLUS	NINEBARK	2'-3' HT.	AS SHOWN	POTTED
RA	10	RHUS AROMATICA	FRAGRANT SUMAC	1'-2' HT.	AS SHOWN	POTTED
RR	28	RHODODENDRON ROSEUM ELEGANS	RHODODENDRON	3'-4' HT.	AS SHOWN	B&B
PERENNIALS						
AT	21	ASCLEPIAS TUBEROSA	BUTTERFLYWEED	1 GAL.	24" O.C.	STAGGERED
EC	10	ECHINACEA PURPUREA	PURPLE CONE FLOWER	1 GAL.	24" O.C.	STAGGERED
HH	10	HEMEROCALLIS 'STEPHANIE RETURNS'	DAYLILY, STEPHANIE RET.	1 GAL.	24" O.C.	STAGGERED
LR	20	LIRIOPE MUSCARI 'VARIEGATA'	LIRIOPE	1 GAL.	12" O.C.	STAGGERED

22. **SEEDING OF SLOPE AREAS:**
SEEDING SHALL OCCUR IN THE DRY & AFTER SLOPES ARE COMPAKTED. IT IS IMPORTANT THAT THE SLOPES ARE SEDED AT THE BEGINNING OF THE PROJECT. THE SEED WILL NEED A MIN. OF 6 MONTHS TO INITIALLY ESTABLISH PRIOR TO OCCUPANCY SO THAT THERE IS LIMITED EROSION & SLOPE FAILURE. INSTALL NEW ENGLAND EROSION CONTROL / RESTORATION MIX FOR DRY SITES, WILDFLOWER MIX, AND DETENTION MIX PER PLAN AND SPREAD AT A RATIO OF 1 LB PER 600 SQ. FT. LIGHTLY RAKE SOIL TO ENSURE GOOD SEED-TO-SOIL CONTACT.

ALL SEEDING TO BE COMPLETED "IN SEASON" BETWEEN APRIL 1 TO JUNE 15 OR AUGUST 15 TO OCTOBER 1, EXCEPT FOR RE-SEEDING OF BARE SPOTS. AT ALL SLOPED AREAS CONTRACTOR TO INSTALL COCONUT FIBER JUTE MESH NETTING ON ALL SLOPES EQUAL TO 3:1 AND GREATER. HYDROSEED ALL EXPOSED AREAS. ADD SOIL STABILIZER "FLUX TERRA HP-FGM SOIL STABILIZER" AS MANUFACTURED BY "PROFILE" TO HYDROSEED (AT RATE OF 3,000 LBS PER ACRE). AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR TO ALSO BE RESPONSIBLE FOR RE-GRADING AND RE-SEEDING ALL DISTURBED, ERODED, OR BARE SPOTS AT NO ADDITIONAL COST TO OWNER & UNTIL SLOPES ARE FULLY STABLE. CONTRACTOR RESPONSIBLE FOR ALL MAINTENANCE UNTIL FINAL ACCEPTANCE OF LAWN AREAS INCLUDING: WATERING, ADDING FERTILIZERS AND LIME AND MOWING AT NO ADDITIONAL COST TO OWNER.

AFTER SEEDING, ALL AREAS TO BE LIGHTLY MULCHED WITH WEED FREE STRAW & CONTRACTOR RESPONSIBLE TO KEEP WATERED EVERY DAY UNTIL SEED IS ESTABLISHED & APPROVED BY A&M LANDSCAPE ARCHITECT (USE NO HAY) SO THAT SEED IS KEPT MOIST. FOR SPREADING OF THE SEED WITH DRY DETENTION BASINS WATER LEVELS MAY BE LOWERED IN THE DETENTION AREAS BY RELYING ON DRY SEASON AND OR DRY SPELLS; OR MAY BE ACCOMPLISHED THROUGH THE USE OF DEWATERING METHODS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ANY DEWATERING METHODS FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. WATER FROM ANY DEWATERING OPERATION SHALL BE TREATED TO REDUCE TOTAL SUSPENDED SOLIDS AND BE IN COMPLIANCE WITH STATE AND FEDERAL STANDARDS.



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