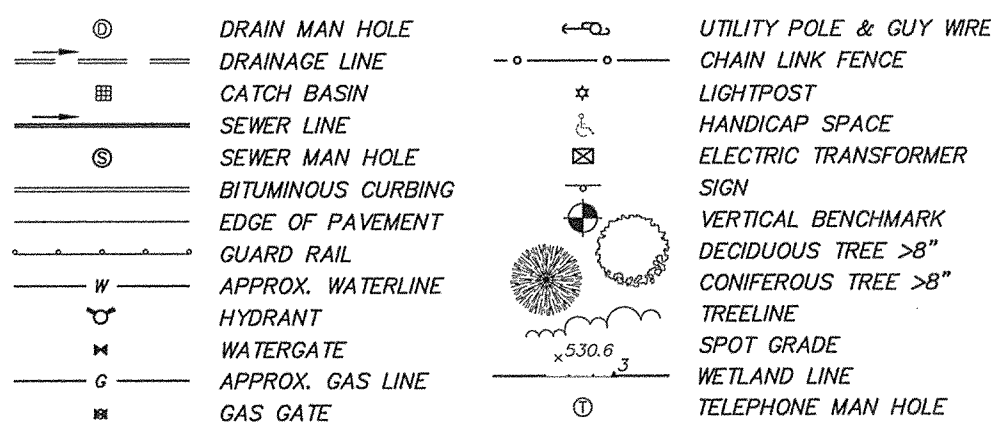
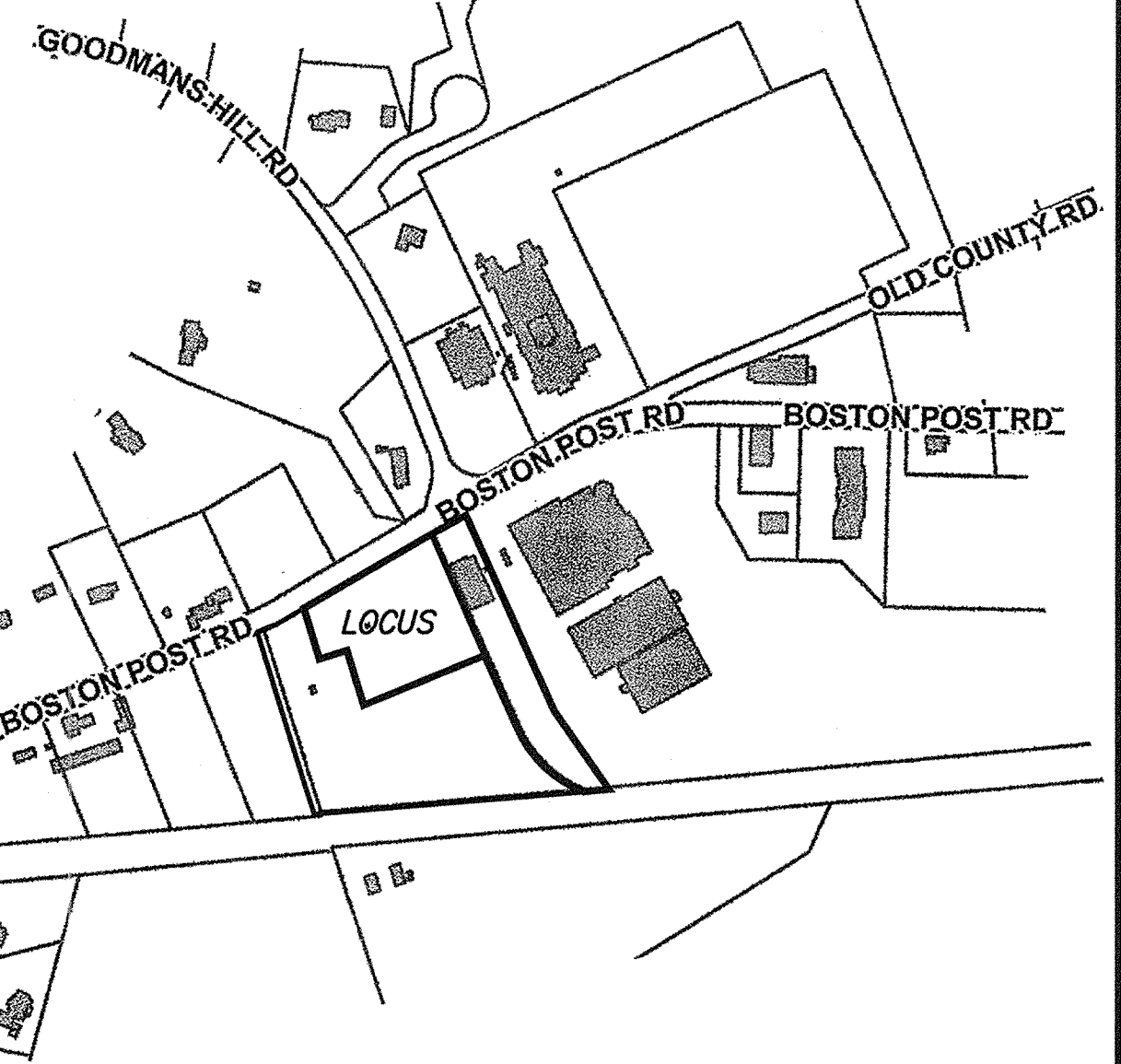


LEGEND



BOSTON POST ROAD
(1901 STATE LAYOUT)

GOODMAN'S
HILL ROAD



GENERAL NOTES:

- OWNERS OF ADJOINING PROPERTIES ARE SHOWN ACCORDING TO CURRENT TOWN OF SUDBURY ASSESSORS RECORDS.
- THIS PLAN IS BASED ON AN ON-THE-GROUND SURVEY BY SULLIVAN CONNORS AND ASSOCIATES PERFORMED ON FEBRUARY 8, 2017.
- LEGAL STATUS OF EASEMENTS AND WAYS, NOT DETERMINED BY THIS SURVEY.
- WETLANDS SHOWN HEREON WERE FLAGGED BY GODDARD CONSULTING INC. AND LOCATED ON-THE-GROUND BY SULLIVAN CONNORS AND ASSOCIATES.

TOWN ASSESSOR MAP K10, PARCEL 14
TOWN ASSESSOR MAP K11, PARCEL 20

DEED BOOK 7734, PAGE 426

PLAN NUMBER 1251 OF 1949
PLAN NUMBER 1212 OF 1998
PLAN NUMBER 590 OF 1974
PLAN NUMBER 453 OF 1992
L.C. PLAN 26232-A, B
BOSTON POST ROAD 1901 STATE LAYOUT
BOSTON POST ROAD 1969 ALTERATION

ZONED: INDUSTRIAL
AREA = N/A sf
FRONTAGE = 50 feet
SETBACKS: FRONT = 20 feet
 = 50 feet Boston Post Rd.
 = 50 feet
 SIDE = 30 feet
 REAR = 30 feet

APPROVED BY:
SUDBURY PLANNING BOARD

DATE: _____

PREPARED FOR:
THE BUDDY DOG HUMANE SOCIETY INC.
151 BOSTON POST ROAD
SUDBURY, MA 01776

SULLIVAN, CONNORS
AND ASSOCIATES
LAND SURVEYING AND CIVIL ENGINEERING
121 BOSTON POST ROAD
SUDBURY, MASSACHUSETTS 01776
PHONE: 978-443-9566 FAX: 978-443-8915

PROJECT:
PROPOSED SITE PLAN
OF
183 BOSTON POST ROAD
IN
SUDBURY, MASS.

| DATE | DESCRIPTION |
|--------------------------|-------------------------------|
| 2/27/2020 | CON. COMM. EDITS |
| 2/14/2020 | PLANNING BOARD COMMENTS |
| 2/3/2020 | REVISED SITE LAYOUT |
| 11/5/2019 | PEER REVIEW COMMENTS |
| 10/4/2019 | EDITS PER MEETING |
| 9/30/2019 | FINALIZE REVISED LAYOUT |
| 8/5/2019 | COORDINATION W/ ARCH DRAWINGS |
| REVISED: | DESCRIPTION: |
| DRAWN BY: REM | CHECK BY: VC |
| DATE: JUNE 12, 2019 | |
| EXISTING CONDITIONS PLAN | |
| SCALE: 1"=30' | SHEET 1 OF 5. |

| DTH-1 (3-15-18) | |
|----------------------|-----------------------|
| 0-21" | FILL |
| 21-60" C1 | MED.-SAND 10YR6/4 |
| 60-80" C2 | LOAMY SAND 10YR6/3 |
| 80-102" C3 | MED.-SAND 10YR6/4 |
| 102-120" C4 | SANDY LOAM 10YR5/3 |
| NO WATER, NO MOTTLES | |

| DTH-4 (3-15-18) | |
|----------------------|-----------------------|
| 0-20" | FILL |
| 20-70" C1 | MED.-SAND 10YR6/4 |
| 70-89" C2 | LOAMY SAND 10YR6/3 |
| 89-128" C3 | MED.-SAND 10YR6/4 |
| NO WATER, NO MOTTLES | |

| DTH-2 (3-15-18) | |
|----------------------|-----------------------|
| 0-22" | FILL |
| 22-35" C1 | MED.-SAND 10YR6/4 |
| 35-50" C2 | LOAMY SAND 10YR6/3 |
| 50-100" C3 | MED.-SAND 10YR6/4 |
| 100-122" C4 | SANDY LOAM 10YR5/3 |
| NO WATER, NO MOTTLES | |

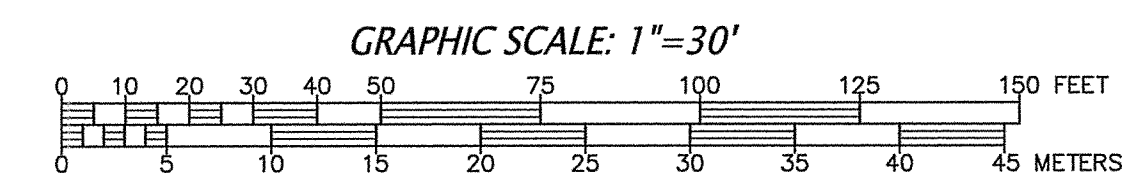
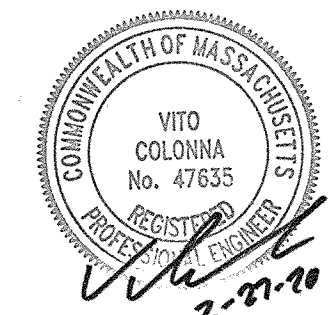
| DTH-5 (11-5-19) | |
|--|-----------------------|
| 0-10" | FILL |
| 10-74" C1 | MED.-SAND 10YR6/4 |
| 74-110" C2 | SANDY LOAM 10YR5/3 |
| WATER: NONE MOTTLES: 74" EST. G.W. ELEV. = 131.0 | |

| DTH-3 (3-15-18) | |
|----------------------|-----------------------|
| 0-23" | FILL |
| 23-75" C1 | MED.-SAND 10YR6/4 |
| 75-93" C2 | LOAMY SAND 10YR6/3 |
| 93-117" C3 | MED.-SAND 10YR6/4 |
| NO WATER, NO MOTTLES | |

| DTH-6 (11-5-19) | |
|----------------------|----------------------|
| 0-12" | FILL |
| 12-160" C1 | MED.-SAND 10YR6/4 |
| NO WATER, NO MOTTLES | |

SHEET INDEX

- 1 of 4 COVER SHEET / EXISTING CONDITIONS
- 2 of 4 PROPOSED SITE PLAN
- 3 of 4 PROPOSED EROSION CONTROL PLAN
- 4 of 4 CONSTRUCTION DETAILS



LOT 2
AREA=171,801 S.F.
(3.94± ACRES)

LOT 1
AREA=87,098 S.F.
(2.00± ACRES)

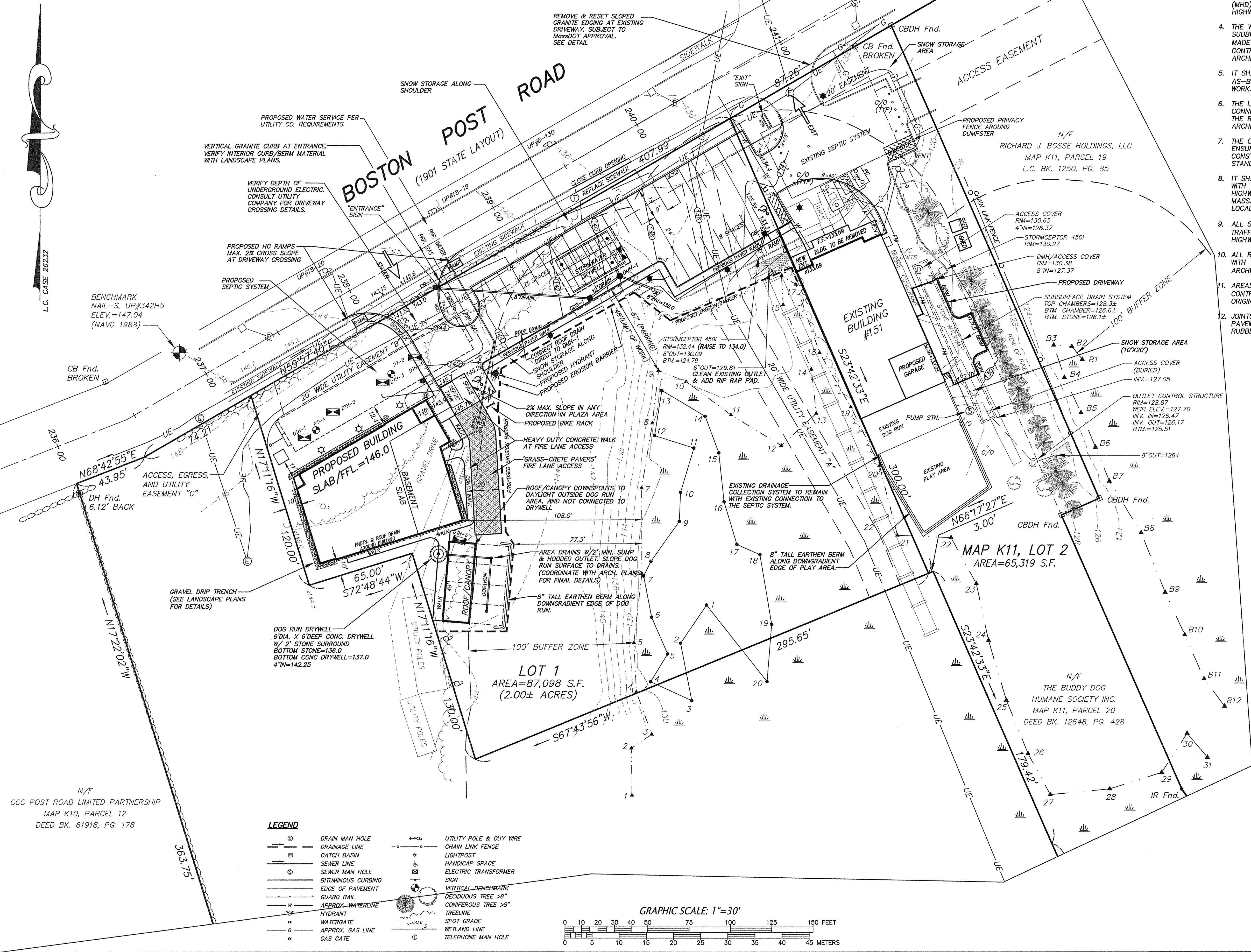
MAP K11, LOT 2
AREA=65,319 S.F.

N/F
THE BUDDY DOG
HUMANE SOCIETY INC.
MAP K11, PARCEL 20
DEED BK. 12648, PG. 428

N/F
RICHARD J. BOSSE HOLDINGS, LLC
MAP K11, PARCEL 19
L.C. BK. 1250, PG. 85

N/F
CCC POST ROAD LIMITED PARTNERSHIP
MAP K10, PARCEL 12
DEED BK. 61918, PG. 178

| DTH-1 (3-15-18) | | DTH-2 (3-15-18) | | DTH-3 (3-15-18) | | DTH-4 (3-15-18) | | DTH-5 (11-5-19) | | DTH-6 (11-5-19) | |
|----------------------|--------------------------|----------------------|--------------------------|----------------------|--------------------------|----------------------|--------------------------|---|--------------------------|----------------------|-------------------------|
| 0-21" | FILL | 0-22" | FILL | 0-23" | FILL | 0-20" | FILL | 0-10" | FILL | 0-12" | FILL |
| 21-60" | C1 MED.-SAND 10YR6/4 | 22-35" | C1 MED.-SAND 10YR6/4 | 23-75" | C1 MED.-SAND 10YR6/4 | 20-70" | C1 MED.-SAND 10YR6/4 | 10-74" | C1 MED.-SAND 10YR6/4 | 12-160" | C1 MED.-SAND 10YR6/4 |
| 60-80" | C2 LOAMY SAND 10YR6/3 | 35-50" | C2 LOAMY SAND 10YR6/3 | 75-93" | C2 LOAMY SAND 10YR6/3 | 70-89" | C2 LOAMY SAND 10YR6/3 | 74-110" | C2 SANDY LOAM 10YR5/3 | | |
| 80-102" | C3 MED.-SAND 10YR6/4 | 50-100" | C3 MED.-SAND 10YR6/4 | 93-117" | C3 MED.-SAND 10YR6/4 | 89-128" | C3 MED.-SAND 10YR6/4 | | | | |
| 102-120" | C4 SANDY LOAM 10YR5/3 | 100-122" | C4 SANDY LOAM 10YR5/3 | | | | | | | | |
| NO WATER, NO MOTTLES | | NO WATER, NO MOTTLES | | NO WATER, NO MOTTLES | | NO WATER, NO MOTTLES | | WATER: NONE MOTTLES: 74" EST. G.W. ELEV.= 131.0 | | NO WATER, NO MOTTLES | |



CONSTRUCTION NOTES:

- EXISTING UTILITY LINES SHOWN ON THIS DRAWING ARE FROM AVAILABLE INFORMATION AND ARE APPROXIMATE LOCATIONS. THE ENGINEER DOES NOT GUARANTEE THEIR ACCURACY OR THAT ALL UTILITIES AND SUBSURFACE STRUCTURES ARE SHOWN. THE CONTRACTOR SHALL VERIFY SIZE, LOCATION AND INVERT ELEVATIONS OF THE UTILITIES AND STRUCTURES, AS REQUIRED PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES WITH RECORD DATA SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY. THE CONTRACTOR SHALL CONTACT DIG SAFE: 1-800-344-7233 (72 HOURS BEFORE DIGGING), AND TOWN DPW FOR UTILITY LOCATIONS PRIOR TO EXCAVATION. TEST PITS SHALL BE UTILIZED FOR UTILITY CONNECTIONS.
- 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 OF THE CONFLICT.
- ALL MATERIALS AND CONSTRUCTION PRACTICES SHALL BE IN CONFORMANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE SUDBURY DEPARTMENT OF PUBLIC WORKS, OR THE LATEST EDITION OF THE MASSACHUSETTS HIGHWAY DEPARTMENT (MHD) CONSTRUCTION STANDARDS AND THE MHD STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, WHICHEVER IS MORE STRINGENT.
- THE WATER SYSTEM SHALL BE INSTALLED IN COMPLIANCE WITH THE TOWN OF SUDBURY DPW WATER DIVISION RULES AND REGULATIONS. CONNECTIONS SHALL BE MADE IN ACCORDANCE WITH APPLICABLE PERMITS (TO BE OBTAINED BY THE CONTRACTOR). CONNECTION LOCATION AND SIZE TO BE CONFIRMED WITH ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, TO KEEP ACCURATE AS-BUILT MEASUREMENTS / RECORDS OF ALL UNDERGROUND OR CONCEALED WORK.
- THE LAYOUT AND INSTALLATION OF ELECTRIC, GAS, TELEPHONE AND CATV UTILITY CONNECTIONS AND SERVICES SHALL IN ACCORDANCE WITH THE REQUIREMENTS OF THE RESPECTIVE UTILITY. CONNECTION LOCATION AND SIZE TO BE CONFIRMED WITH ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL UTILIZE ALL MEASURES AND MATERIALS NECESSARY TO ENSURE THE SAFETY OF ALL PERSONS AND PROPERTIES AT THE SITE DURING CONSTRUCTION. ALL EXCAVATIONS SHALL CONFORM TO CURRENT OSHA STANDARDS.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE HIS WORK WITH THE APPROPRIATE HIGHWAY & UTILITY DEPARTMENTS. WORK WITHIN THE HIGHWAY LAYOUT SHALL CONFORM TO THE CONDITIONS OF THE PERMIT ISSUED BY MASSACHUSETTS DEPARTMENT OF TRANSPORTATION HIGHWAY DIVISION OR THE LOCAL AUTHORITY.
- ALL SIGN SIZES AND MATERIAL SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC DEVICES" (MUTCD) AND THE OFFICE OF TRAFFIC OPERATIONS, FEDERAL HIGHWAY ADMINISTRATION, U.S. DEPARTMENT OF TRANSPORTATION.
- ALL RAMP, CURB CUTS, SIDEWALKS, AND ACCESSIBLE SPACES SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT REGULATIONS AND WITH ARCHITECTURAL ACCESS BOARD REGULATIONS (521 CMR 1-47).
- AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT NO EXPENSE TO THE OWNER.
- JOINTS BETWEEN PROPOSED BITUMINOUS CONCRETE PAVEMENT AND EXISTING PAVEMENT TO REMAIN SHALL BE SAWCUT AND SEALED WITH HOT POURED RUBBERIZED ASPHALT SEALER.

PARKING TABULATION:

VETERINARY CLINIC
SPACES PROVIDED = 29

OPEN SPACE / BUILDING COVERAGE SUMMARY

LOT AREA = 152,417± S.F.
OPEN SPACE REQUIRED = 30% (45,725 S.F.)
OPEN SPACE PROPOSED = 76% (115,997 S.F.)

MAXIMUM ALLOWED BUILDING COVERAGE = 60%
PROPOSED BUILDING COVERAGE = 8.8%

EXISTING IMPERVIOUS AREA = 27,560 S.F.
PROPOSED IMPERVIOUS AREA = 36,440 S.F.

DRAINAGE TABULATION

CB-1
RIM=142.50
8"OUT=139.05

CDS-1
CDS MODEL 2015-4
RIM=140.7
8"IN=137.25
12"OUT=137.0

DMH-1
RIM=139.4
12"IN=136.6 (CDS-1)
8"IN=136.6 (ROOF DRAIN)
12"OUT=135.5 (DRYWELL)
8"OUT=136.5 (OVERFLOW)

CB-2
RIM=133.25
8"OUT=130.5

STC (MODIFY EXISTING)
RIM=134.0
8"IN=130.34 (PROPOSED)
8"OUT=130.09 (EXISTING)

STORMWATER DRYWELL
24 CULTEC 330XLHD CHAMBERS
8 ROWS OF 3
W/ 42"Wx25"Lx3.5'T STONE BED
BOTTOM STONE=134.0
BOTTOM CHAMBERS=134.5
12" IN=135.25

PRE-CONSTRUCTION NOTE:

PERFORM CONFIRMATORY TEST PIT AT PROPOSED DRYWELLS PRIOR TO THE START OF CONSTRUCTION. TESTING SHALL BE WITNESSED BY THE DESIGN ENGINEER AND TOWN OF SUDBURY STAFF.

GENERAL NOTES:

- OWNERS OF ADJOINING PROPERTIES ARE SHOWN ACCORDING TO CURRENT TOWN OF SUDBURY ASSESSORS RECORDS.
- THIS PLAN IS BASED ON AN ON-THE-GROUND SURVEY BY SULLIVAN CONNORS AND ASSOCIATES PERFORMED ON FEBRUARY 8, 2017.
- LEGAL STATUS OF EASEMENTS AND WAYS, NOT DETERMINED BY THIS SURVEY.
- WETLANDS SHOWN HEREON WERE FLAGGED BY GODDARD CONSULTING INC. AND LOCATED ON-THE-GROUND BY SULLIVAN CONNORS AND ASSOCIATES.

COORDINATION WITH PLANS BY OTHERS:

- SEE PROJECT LANDSCAPE PLANS FOR SITE LIGHTING, LANDSCAPING, GRAVEL DRIP TRENCH, AND RAIN GARDEN DETAILS.
- VERIFY BUILDING DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION.
- COORDINATE BUILDING CONNECTIONS (INVERT ELEV., LOCATION, AND SIZE) WITH ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION. ANY DISCREPANCY SHALL BE REPORTED TO THE ENGINEER.

ZONING

ZONE: INDUSTRIAL
AREA = N/A sf
FRONTAGE = 50 feet
SETBACKS: FRONT = 20 feet
= 50 feet Boston Post Rd.
ROAD R = 50 feet
SIDE = 30 feet
REAR = 30 feet

APPROVED BY:

SUDBURY PLANNING BOARD

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DATE: _____

PREPARED FOR:

THE BUDDY DOG HUMANE SOCIETY INC.
151 BOSTON POST ROAD
SUDBURY, MA 01776

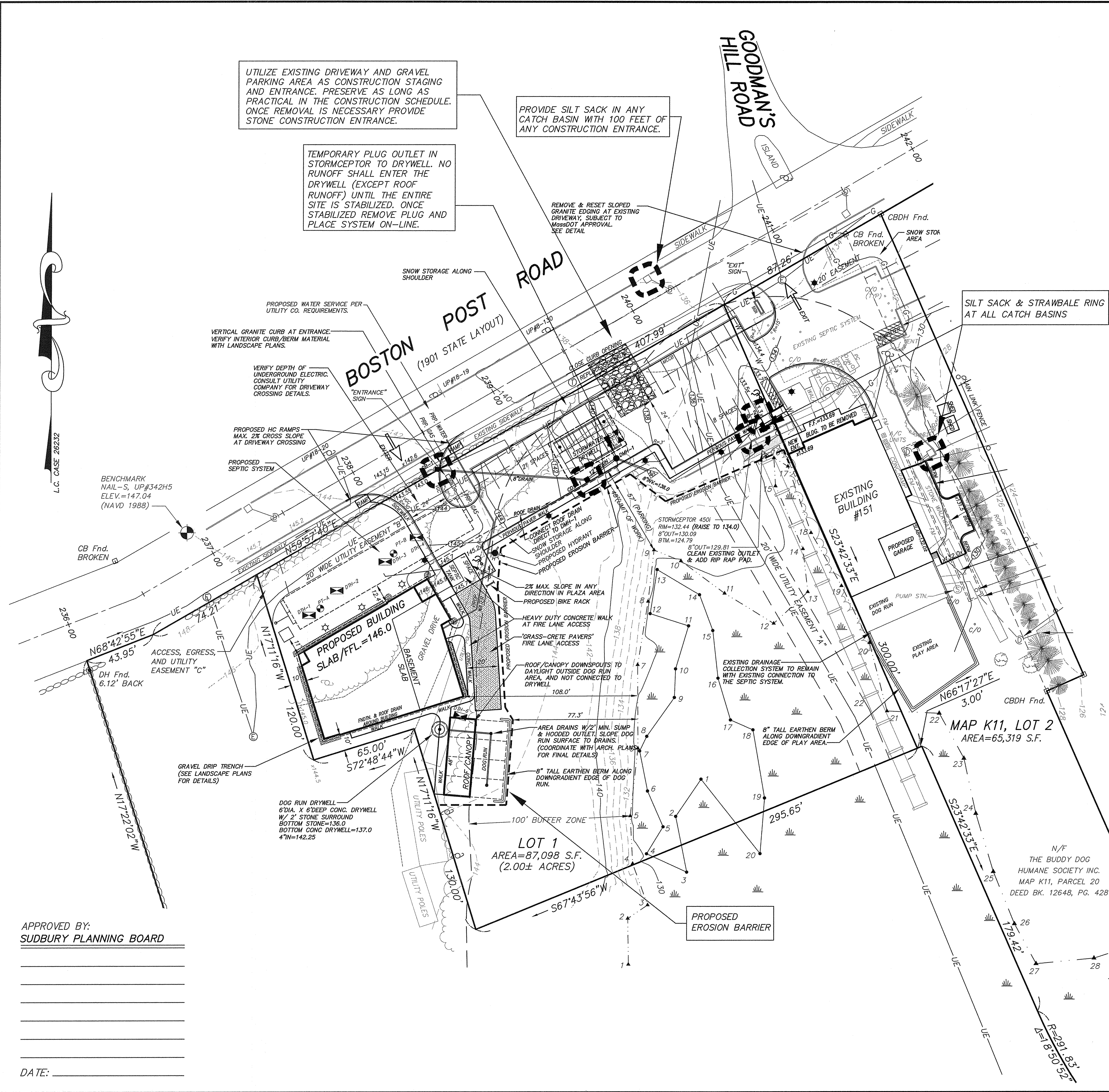
SULLIVAN, CONNORS AND ASSOCIATES

LAND SURVEYING AND CIVIL ENGINEERING
121 BOSTON POST ROAD
SUDBURY, MASSACHUSETTS 01776
PHONE: 978-443-9566 FAX: 978-443-8915

PROJECT:

PROPOSED SITE PLAN
OF
183 BOSTON POST ROAD
IN
SUDBURY, MASS.

| | |
|---------------------|-------------------------------|
| 2/27/2020 | CON. COMM. EDITS |
| 2/14/2020 | PLANNING BOARD COMMENTS |
| 2/3/2020 | REVISED SITE LAYOUT |
| 11/5/2019 | PEER REVIEW COMMENTS |
| 10/4/2019 | EDITS PER MEETING |
| 9/30/2019 | REVISED LAYOUT |
| 8/5/2019 | COORDINATION W/ ARCH DRAWINGS |
| REVISED: | DESCRIPTION: |
| DRAWN BY: REM | CHECK BY: VC |
| DATE: JUNE 12, 2019 | |
| PROPOSED SITE PLAN | |
| SCALE: 1"=30' | SHEET 2 OF 5. |



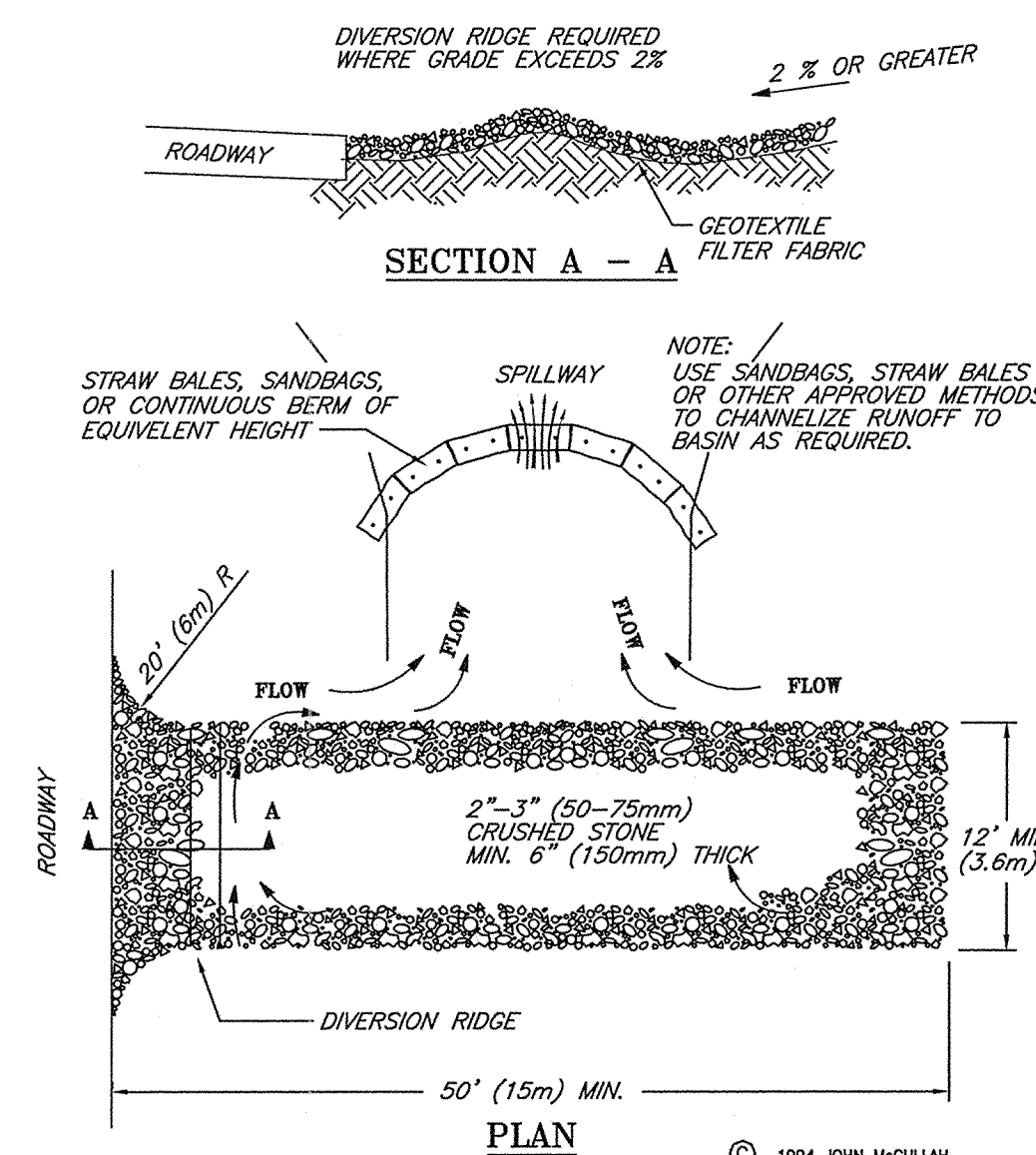
UTILIZE EXISTING DRIVEWAY AND GRAVEL PARKING AREA AS CONSTRUCTION STAGING AND ENTRANCE. PRESERVE AS LONG AS PRACTICAL IN THE CONSTRUCTION SCHEDULE. ONCE REMOVAL IS NECESSARY PROVIDE STONE CONSTRUCTION ENTRANCE.

TEMPORARY PLUG OUTLET IN STORMCEPTOR TO DRYWELL. NO RUNOFF SHALL ENTER THE DRYWELL (EXCEPT ROOF RUNOFF) UNTIL THE ENTIRE SITE IS STABILIZED. ONCE STABILIZED REMOVE PLUG AND PLACE SYSTEM ON-LINE.

PROVIDE SILT SACK IN ANY CATCH BASIN WITH 100 FEET OF ANY CONSTRUCTION ENTRANCE.

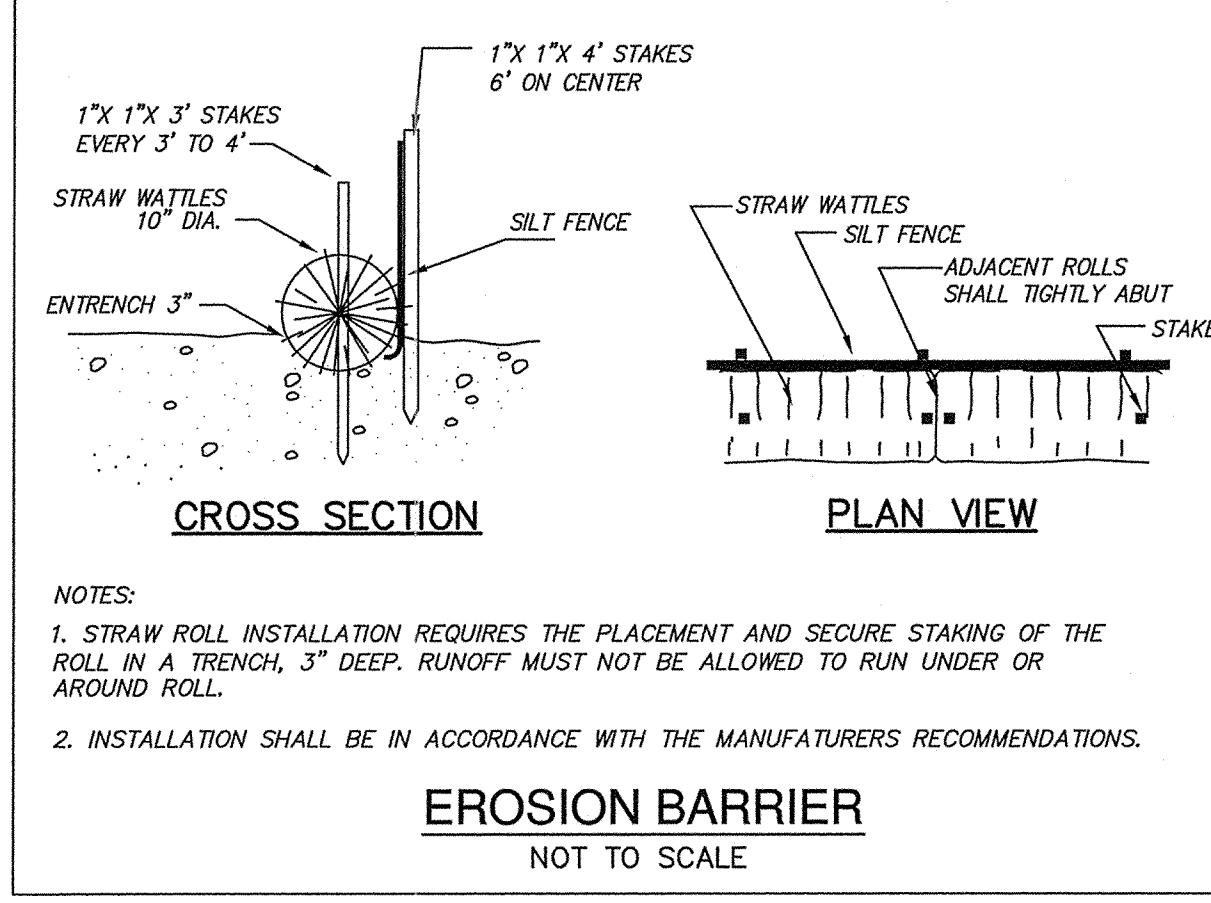
REMOVE & RESET SLOPED GRANITE EDGING AT EXISTING DRIVEWAY. SUBJECT TO MassDOT APPROVAL. SEE DETAIL.

SILT SACK & STRAWBALE RING AT ALL CATCH BASINS

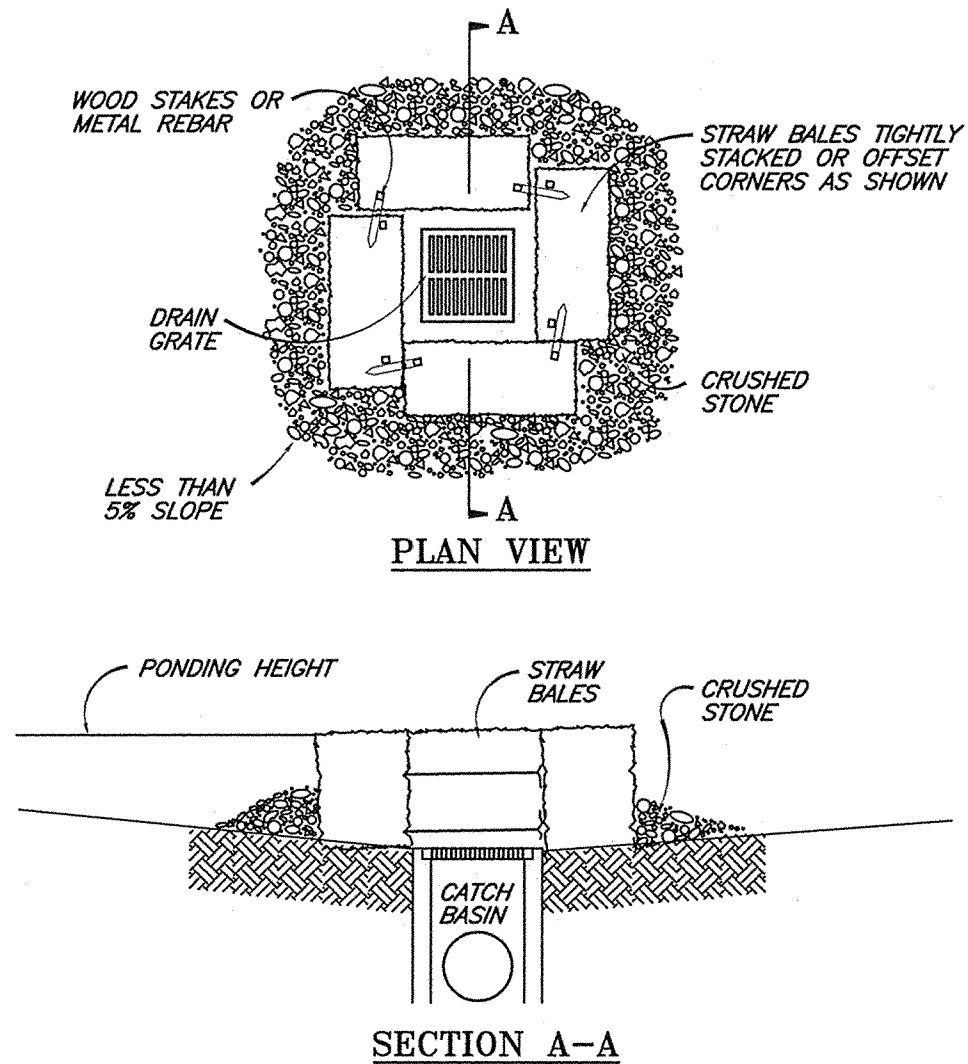


NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OF FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
4. STONE APRON SHALL BE REPLACED AS DEPOSITED SOILS BUILD UP.

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT

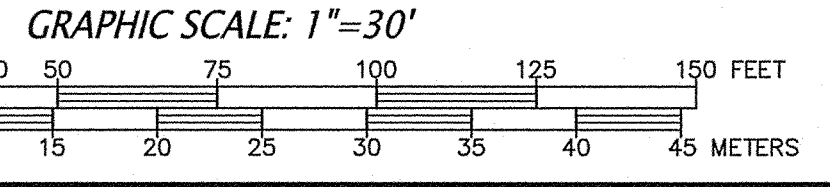


NOTES:
1. STRAW ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 3' DEEP. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.
2. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.



NOTES:
1. SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS. (LESS THAN 5%)
2. PLACE BALES WITH ENDS TIGHTLY ABUTTING. STONE BACKFILL WILL PREVENT EROSION OR FLOW AROUND THE BALES.

STRAW BALE/GRAVEL SEDIMENT BARRIER AT CATCH BASINS NOT TO SCALE



EROSION AND SEDIMENTATION CONTROL NOTES:

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE PLANS AND PERMIT CONDITIONS.
2. PRIOR TO INITIATING CONSTRUCTION, ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE INSTALLED AS SHOWN ON THE PLANS AND DETAIL DRAWINGS.
3. THIS PLAN DEPICTS THE MINIMUM REQUIRED SEDIMENTATION AND EROSION CONTROLS. THE CONTRACTOR SHALL EMPLOY ADDITIONAL SEDIMENTATION AND EROSION CONTROL MEASURES AS NECESSITATED BY SITE CONDITIONS, OR AS DIRECTED BY THE OWNER, THE OWNER'S REPRESENTATIVE, OR THE CONSERVATION COMMISSION TO ENSURE PROTECTION OF ALL WETLAND RESOURCES AND CONTROL SEDIMENT TRANSPORT. IF SEDIMENTATION PLUMES OCCUR, THE CONTRACTOR SHALL STOP WORK AND INSTALL ADDITIONAL SEDIMENTATION CONTROL DEVICES IMMEDIATELY TO PREVENT FURTHER SEDIMENTATION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL TEMPORARY AND PERMANENT SEDIMENTATION AND EROSION CONTROLS UNTIL WORK IS COMPLETE AND ALL AREAS HAVE BEEN PERMANENTLY STABILIZED. AT SUCH TIME THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL SEDIMENTATION AND EROSION CONTROL MEASURES.
5. THE CONTRACTOR SHALL INSPECT SEDIMENTATION AND EROSION CONTROLS ON A DAILY BASIS AND IMMEDIATELY AFTER EACH RAINFALL; REPAIRS SHALL BE MADE BY THE END OF THE WORKING DAY. ACCUMULATED SEDIMENT SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR WHEN THE VOLUME REACHES 1/4 TO 1/2 THE HEIGHT OF SILT FENCE OR SEDIMENT TRAP, OR AS DIRECTED BY THE LOCAL AUTHORITY.
6. SOIL STOCKPILES SHALL BE STABILIZED TO PREVENT EROSION, AND A PERIMETER SEDIMENT CONTROL SYSTEM SHALL BE INSTALLED. MATERIALS SUBJECT TO EROSION SHALL BE STOCKPILED OVERNIGHT WITHIN 100 FEET OF A WETLAND UNLESS COVERED.
7. DISTURBED AREAS SHALL BE STABILIZED BY LOAMING AND SEEDING, OR BY ANOTHER APPROVED METHOD, AS SOON AS POSSIBLE AFTER THE FINISHED GRADE HAS BEEN MET. DISTURBED AREAS WITH SLOPES 3:1 (H:V) OR GREATER SHALL BE COVERED WITH LOAM AND STABILIZED WITH HYDROSEED AND SOIL TACKIFIER. IF FINAL GRADING DOES NOT OCCUR DURING THE GROWING SEASON, THESE AREAS SHALL BE MULCHED WITH HAY SECURED.
8. DEWATERING OPERATIONS, IF REQUIRED, SHALL DISCHARGE ONTO STABILIZED AREAS, AND ALL DISCHARGE WATER IS TO PASS THROUGH SEDIMENTATION CONTROL DEVICES TO PREVENT IMPACTS UPON WATER BODIES, BORDERING VEGETATED WETLANDS, DRAINAGE SYSTEMS AND ADJUTING PROPERTIES. AT A MINIMUM ALL DISCHARGES SHALL BE INTERCEPTED BY HAYBALE CORRAL AND HAYBALE CHECK DAMS SPACED 10' APART.
9. STAKED WATTLES AND SILT FENCE SHALL BE INSTALLED ALONG THE EDGE OF PROPOSED DEVELOPMENT OR AS INDICATED ON THE PLANS. ADDITIONAL WATTLES AND SILT FENCE SHALL BE LOCATED AS CONDITIONS WARRANT, AND IN SOME AREAS STRUCTURES MAY HAVE TO BE DUPLICATED AT REGULAR INTERVALS.
10. STREET SWEEPING IN THE VICINITY OF THE PROJECT AREA SHALL BE PERFORMED AS NEEDED UNTIL THE PROJECT LIMITS HAVE BEEN STABILIZED. ALL SEDIMENT TRACKED ONTO PUBLIC RIGHT-OF-WAYS SHALL BE SWEEPED AT THE END OF EACH WORKING DAY.
11. ALL EXISTING AND PROPOSED DRAINAGE SYSTEM INLETS, WHICH MAY RECEIVE STORMWATER FLOW FROM DISTURBED AREAS, SHALL BE PROVIDED WITH SILT SACKS. THE CONTRACTOR SHALL MAINTAIN THESE DEVICES PER THE MANUFACTURERS RECOMMENDATIONS UNTIL ALL WORK IS COMPLETED AND ALL AREAS HAVE BEEN ADEQUATELY STABILIZED.
12. DUST CONTROL MEASURES SHALL BE IMPLEMENTED AND MAINTAINED PROPERLY THROUGHOUT DRY WEATHER PERIODS UNTIL ALL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED. METHODS FOR DUST CONTROL SHALL INCLUDE WATER SPRINKLING AND/OR OTHER METHODS APPROVED BY THE ENGINEER.
13. ALL VEHICLES SHALL ENTER AND EXIT THE SITE VIA THE STABILIZED CONSTRUCTION ENTRANCE CONSISTING OF CRUSHED STONE TO A DEPTH OF 6" FOR THE FIRST 50 FEET FROM EXISTING PAVED STREETS. IF THE SITE CONDITIONS ARE SUCH THAT THE GRAVEL PAD DOES NOT REMOVE THE MAJORITY OF THE MUD AND DEBRIS, THEN THE TIRES SHALL BE WASHED BEFORE ANY VEHICLES ENTER ADJACENT ROADWAYS. ALL WATER USED FOR TIRE WASHING SHALL BE COLLECTED AND TREATED PRIOR TO ENTERING THE DRAINAGE SYSTEM. THE CONTRACTOR SHALL INSPECT THE CONSTRUCTION ENTRANCE DAILY AND AFTER HEAVY USE.

PREPARED FOR:
THE BUDDY DOG HUMANE SOCIETY INC.
151 BOSTON POST ROAD
SUDBURY, MA 01776

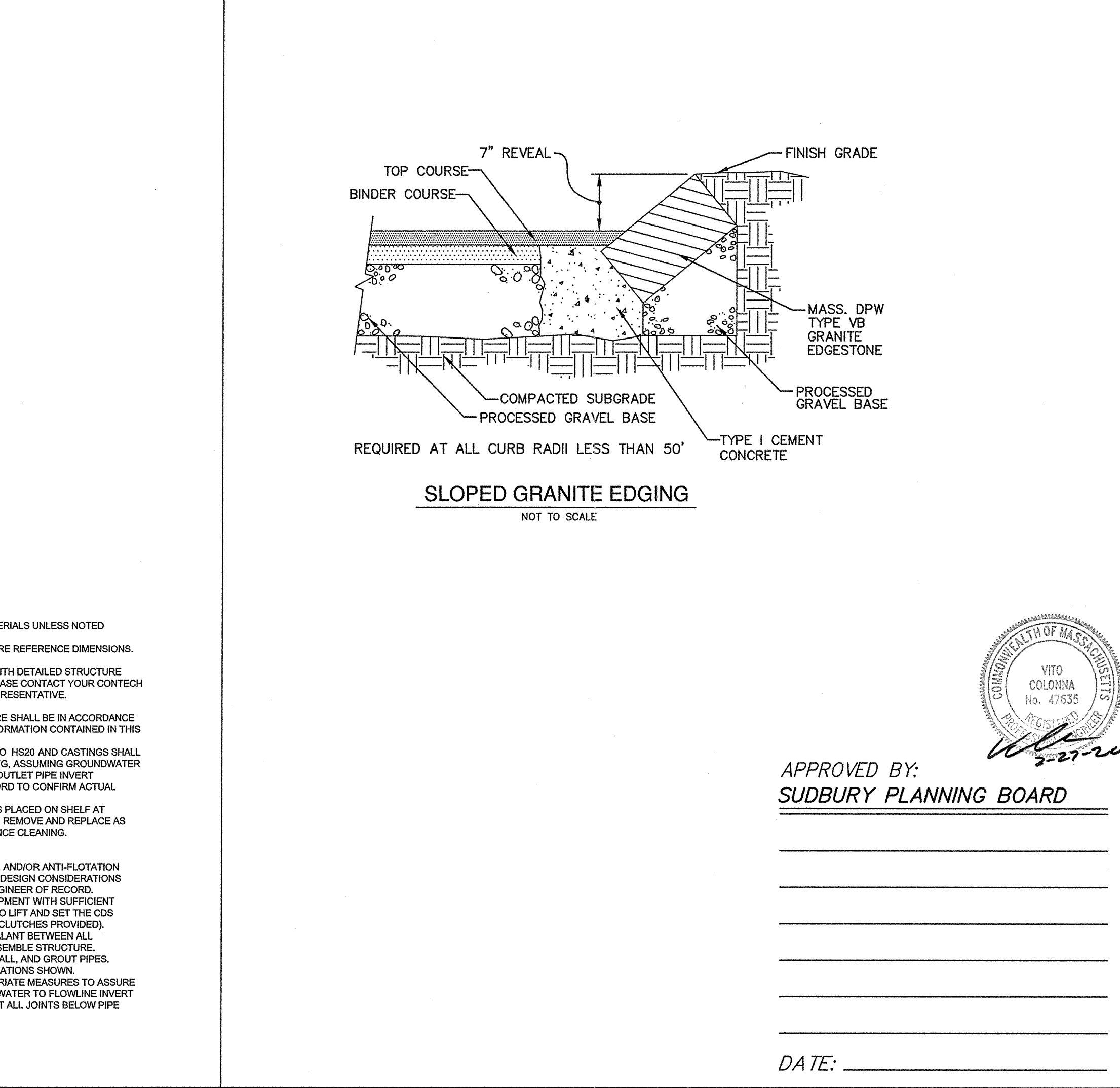
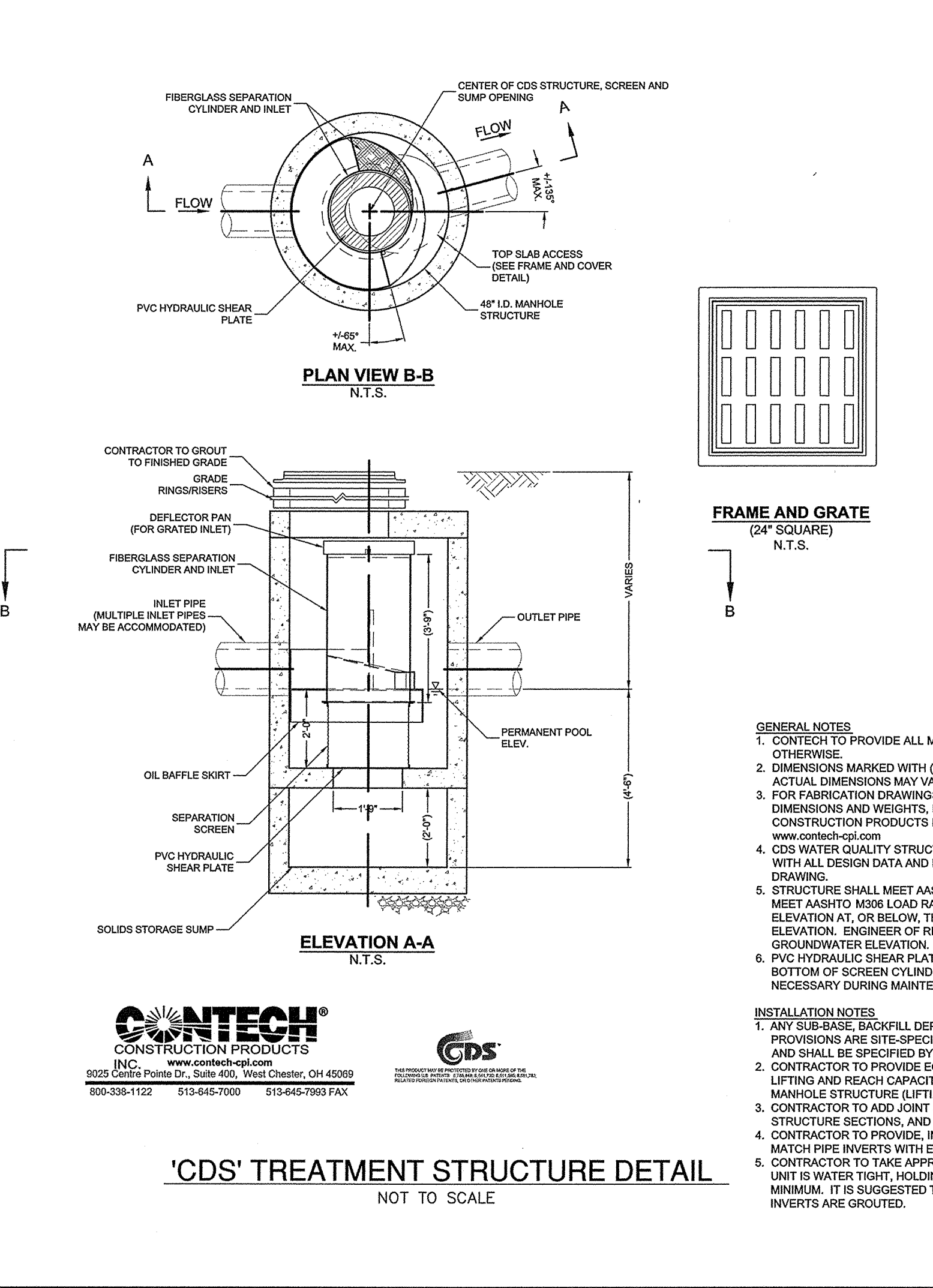
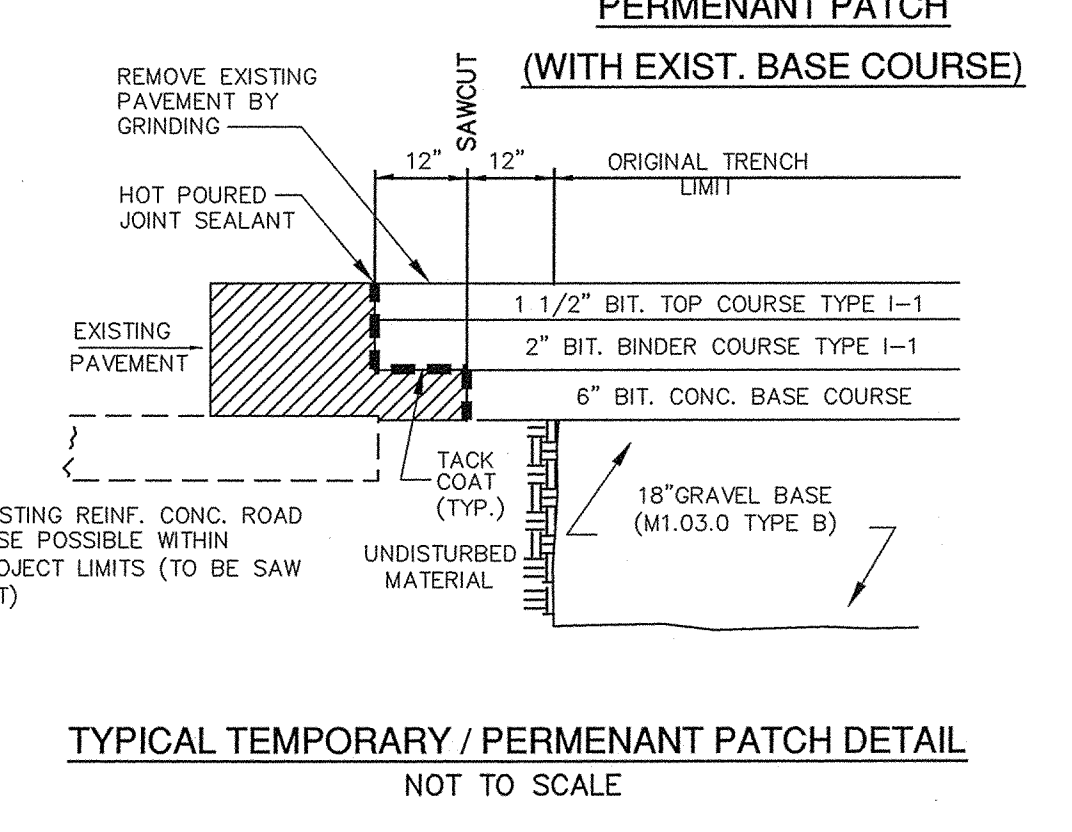
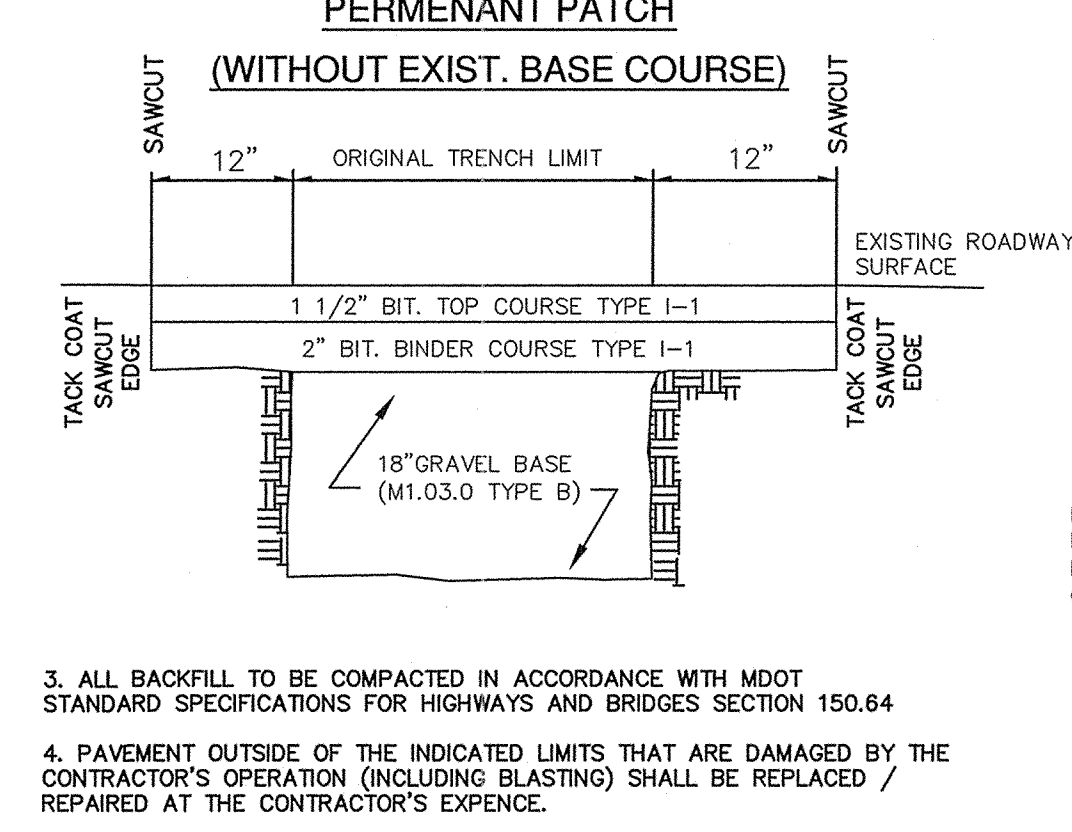
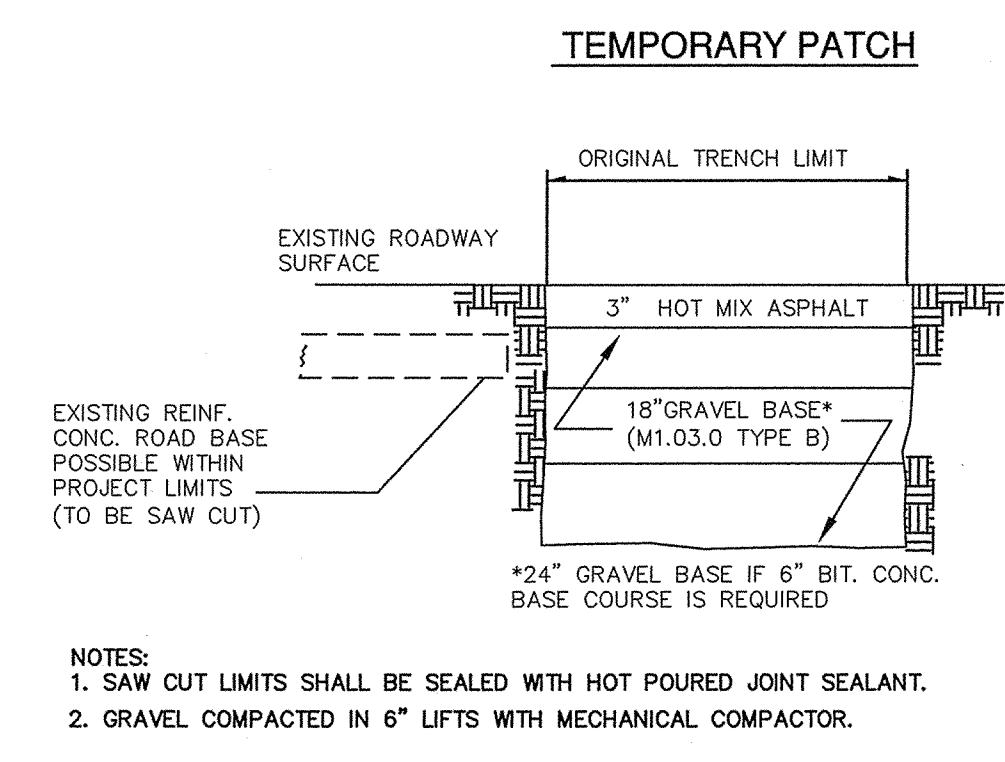
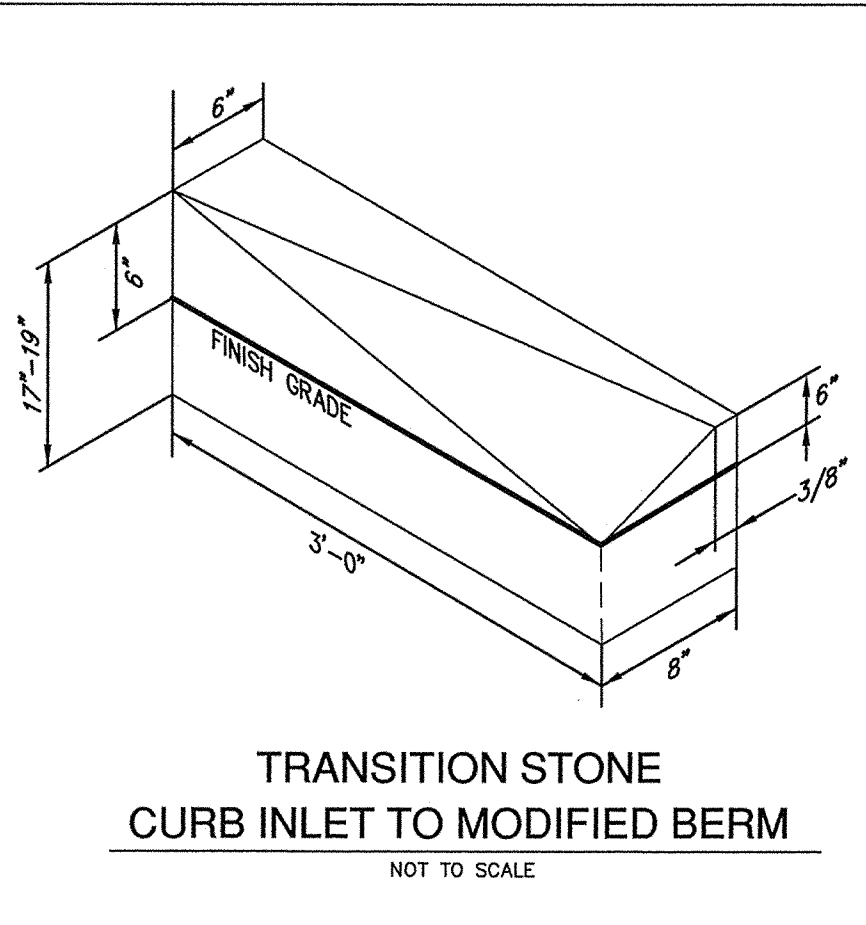
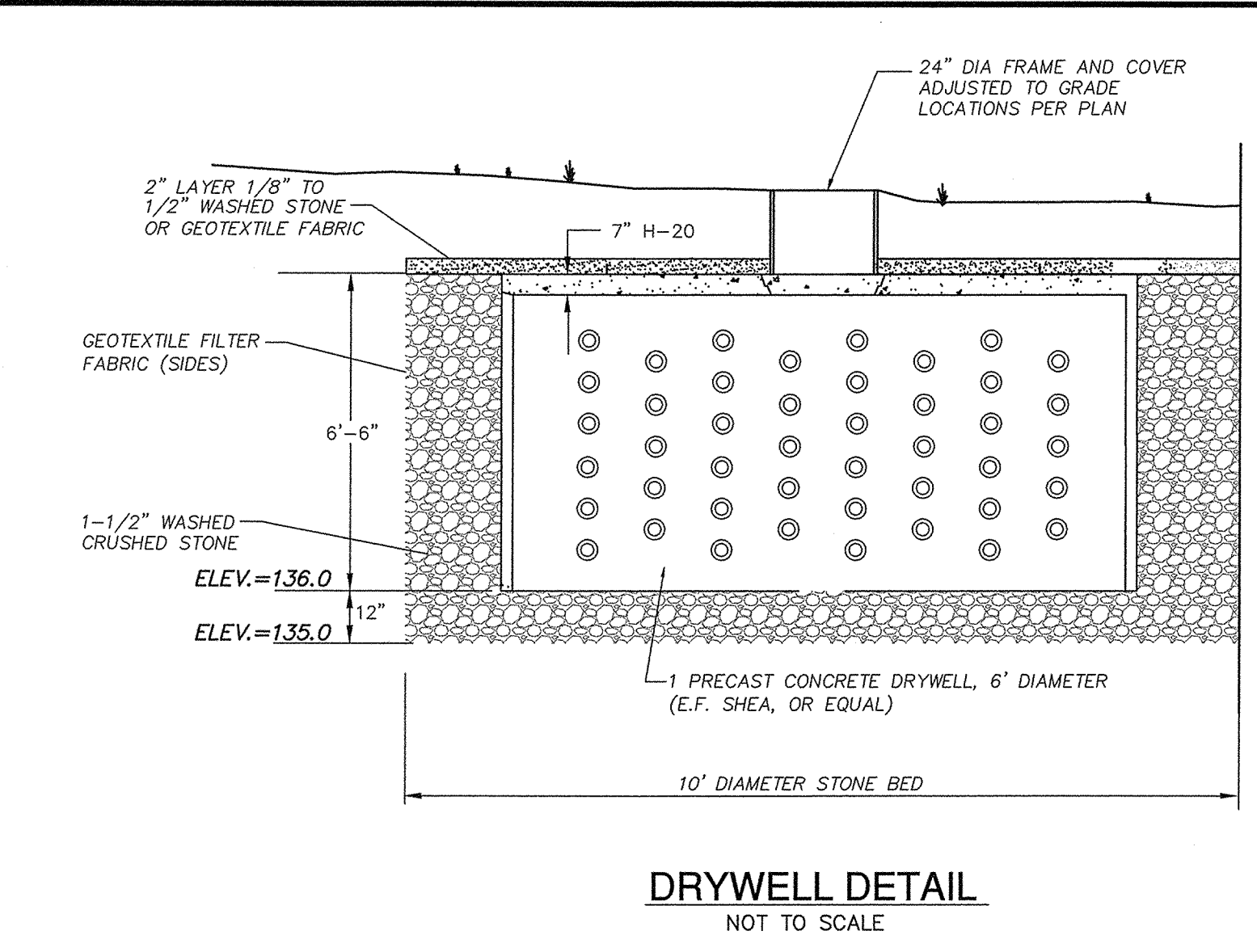
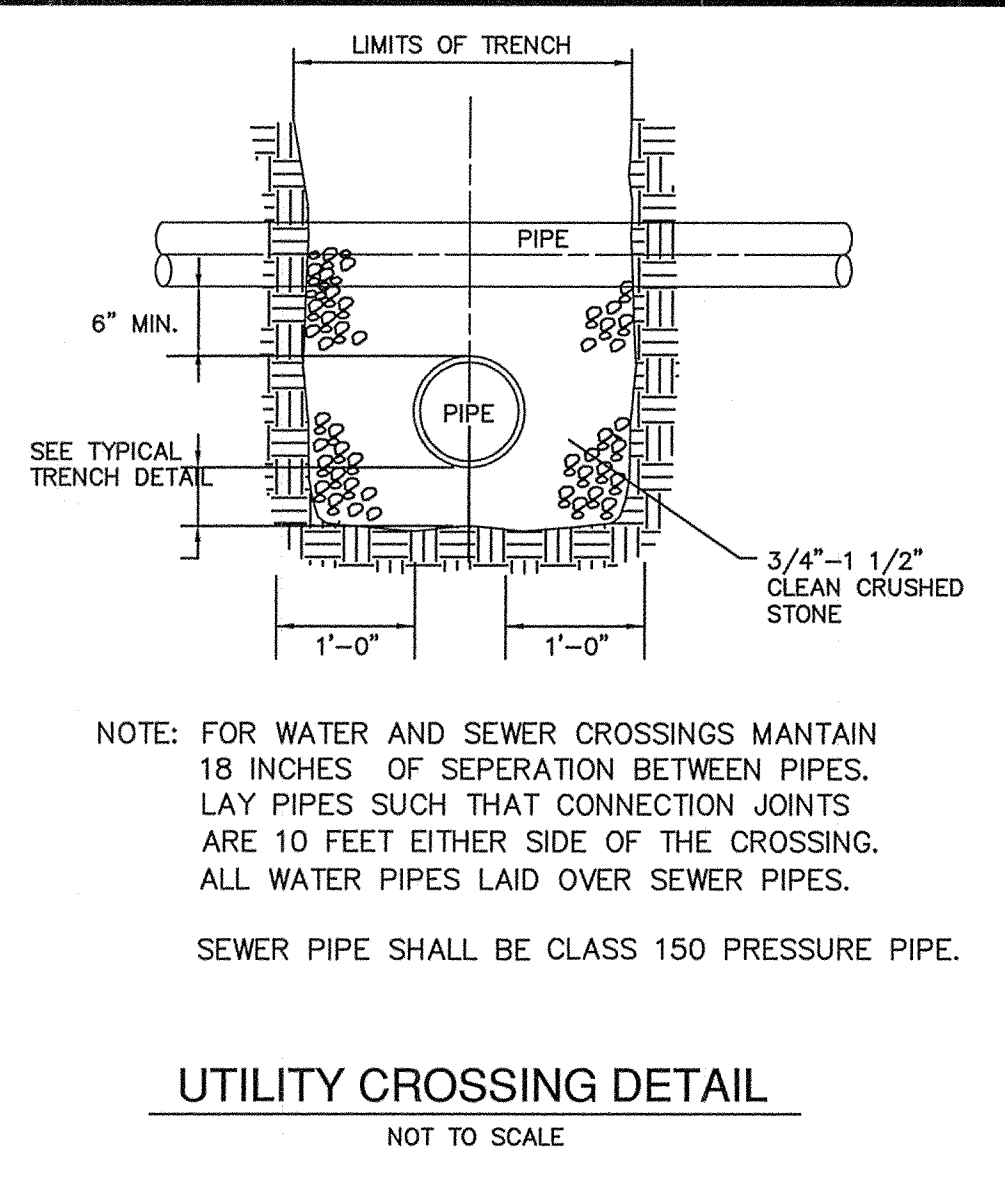
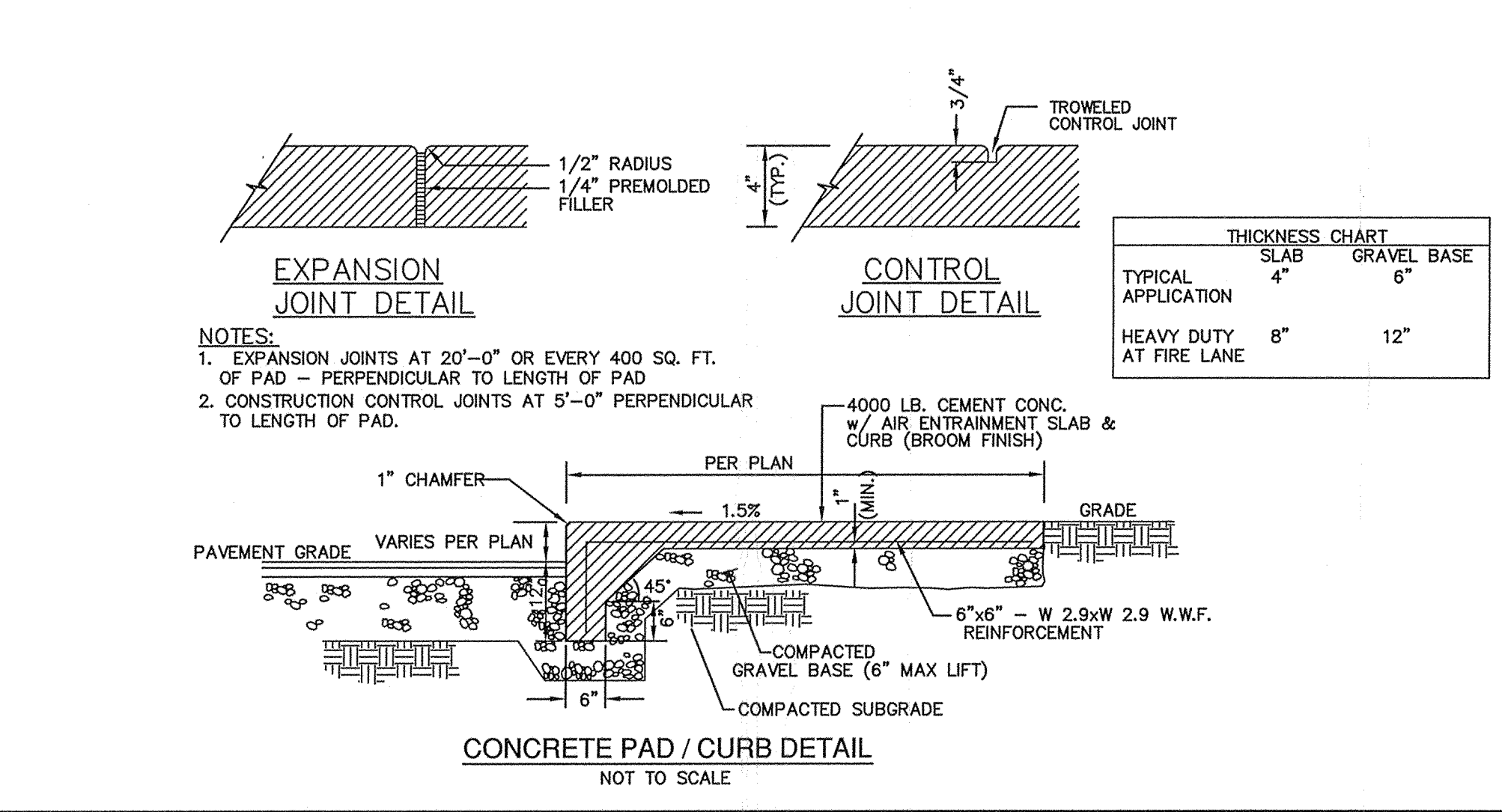
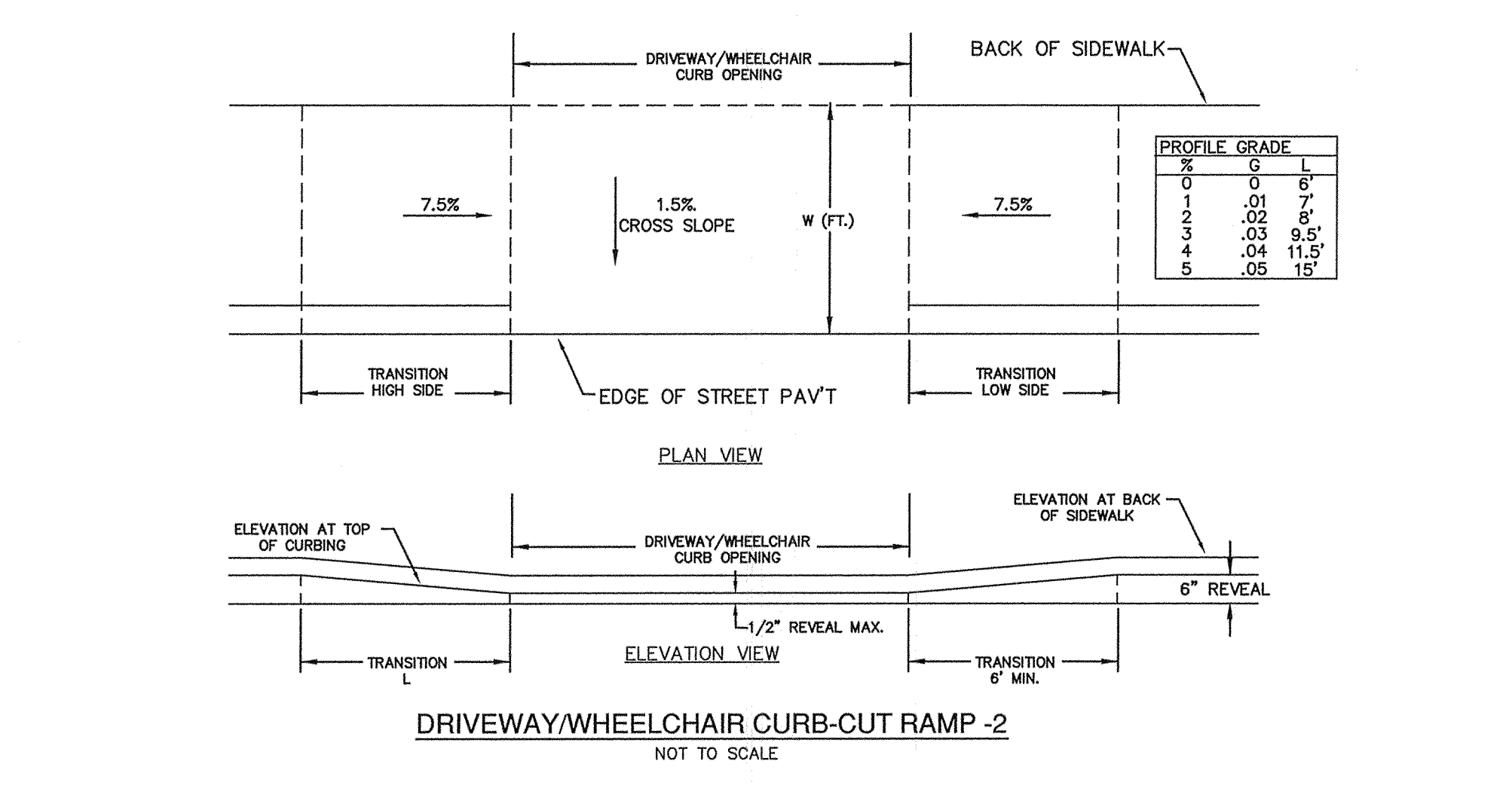
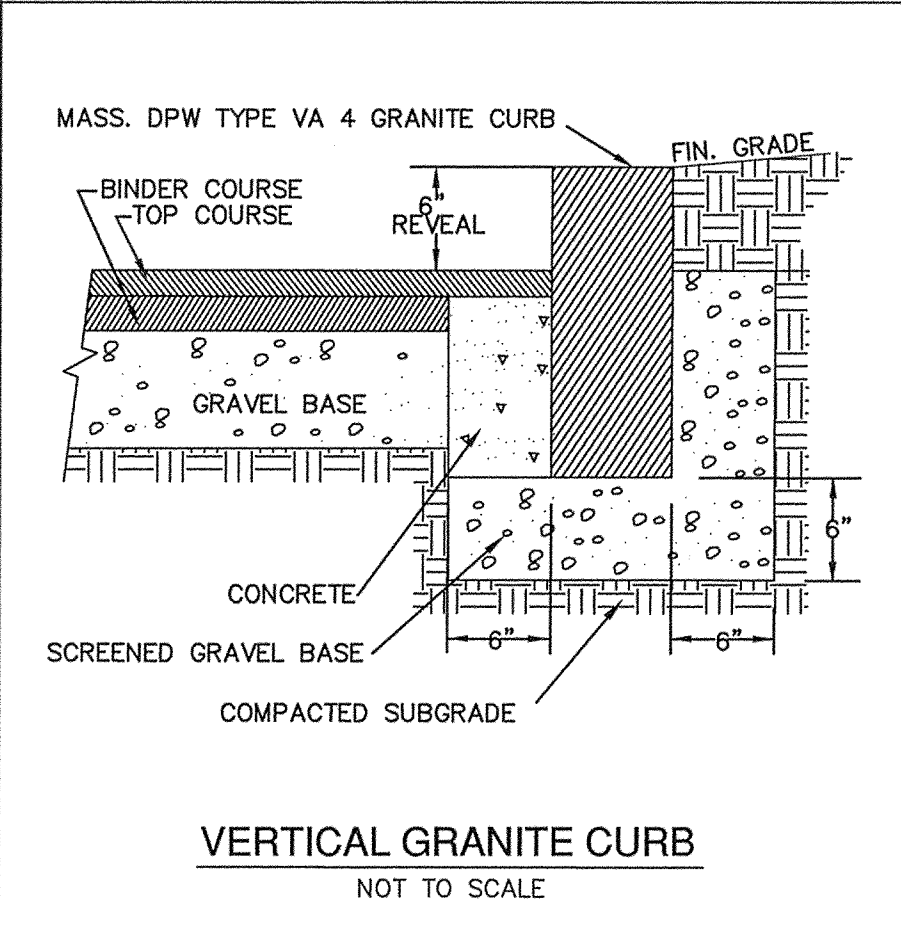
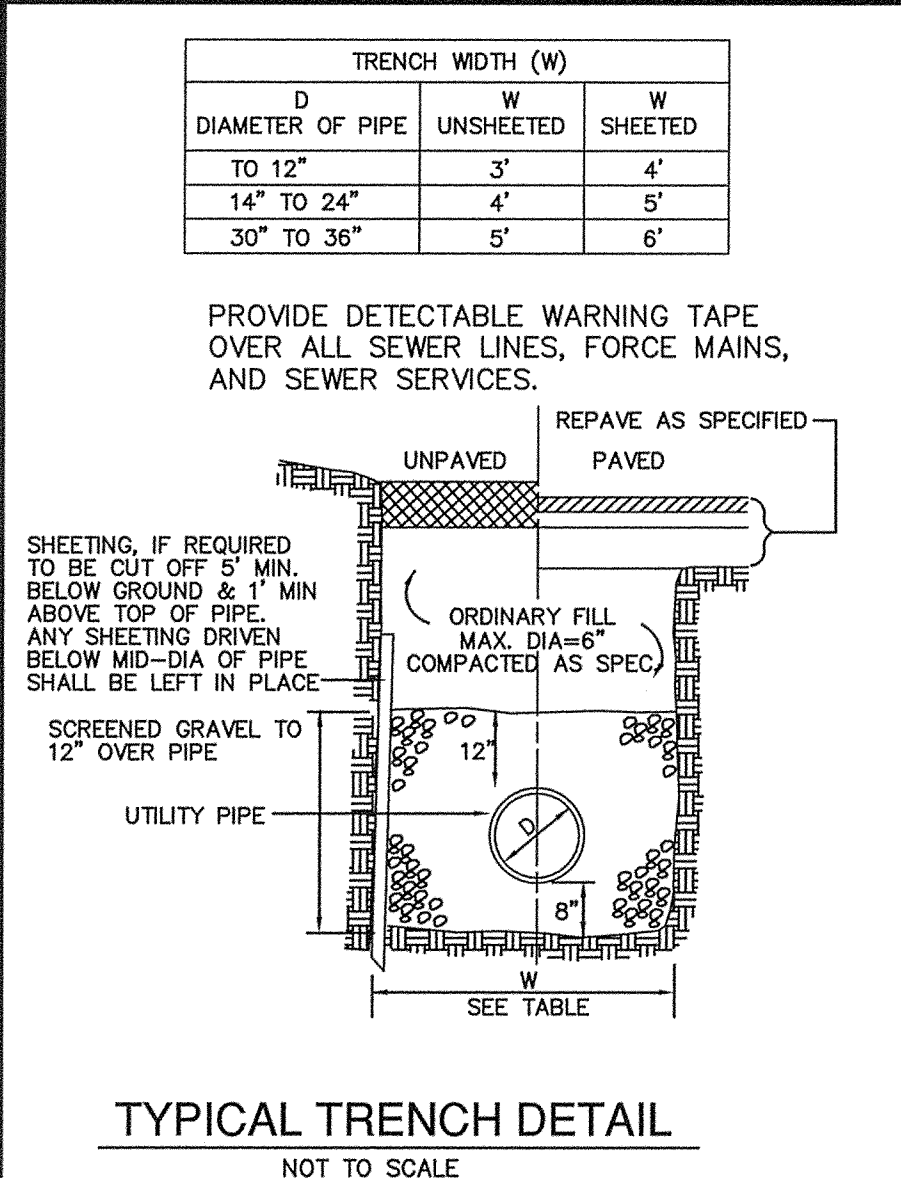
**SULLIVAN, CONNORS
AND ASSOCIATES**
LAND SURVEYING AND CIVIL ENGINEERING
121 BOSTON POST ROAD
SUDBURY, MASSACHUSETTS 01776
PHONE: 978-443-9566 FAX: 978-443-8915

PROJECT:
PROPOSED SITE PLAN
OF
183 BOSTON POST ROAD
IN
SUDBURY, MASS.

| | |
|-----------------------------|-------------------------------|
| 2/27/2020 | CON. COMM. EDITS |
| 2/14/2020 | PLANNING BOARD COMMENTS |
| 2/3/2020 | REVISED SITE LAYOUT |
| 11/5/2019 | PEER REVIEW COMMENTS |
| 10/4/2019 | EDITS PER MEETING |
| 9/30/2019 | FINALIZE REVISED LAYOUT |
| 8/5/2019 | COORDINATION W/ ARCH DRAWINGS |
| REVISED: | DESCRIPTION: |
| DRAWN BY: REM | CHECK BY: VC |
| DATE: JUNE 12, 2019 | |
| EROSION CONTROL PLAN | |
| SCALE: 1"=30' | SHEET 3 OF 5. |

APPROVED BY:
SUDBURY PLANNING BOARD

DATE:

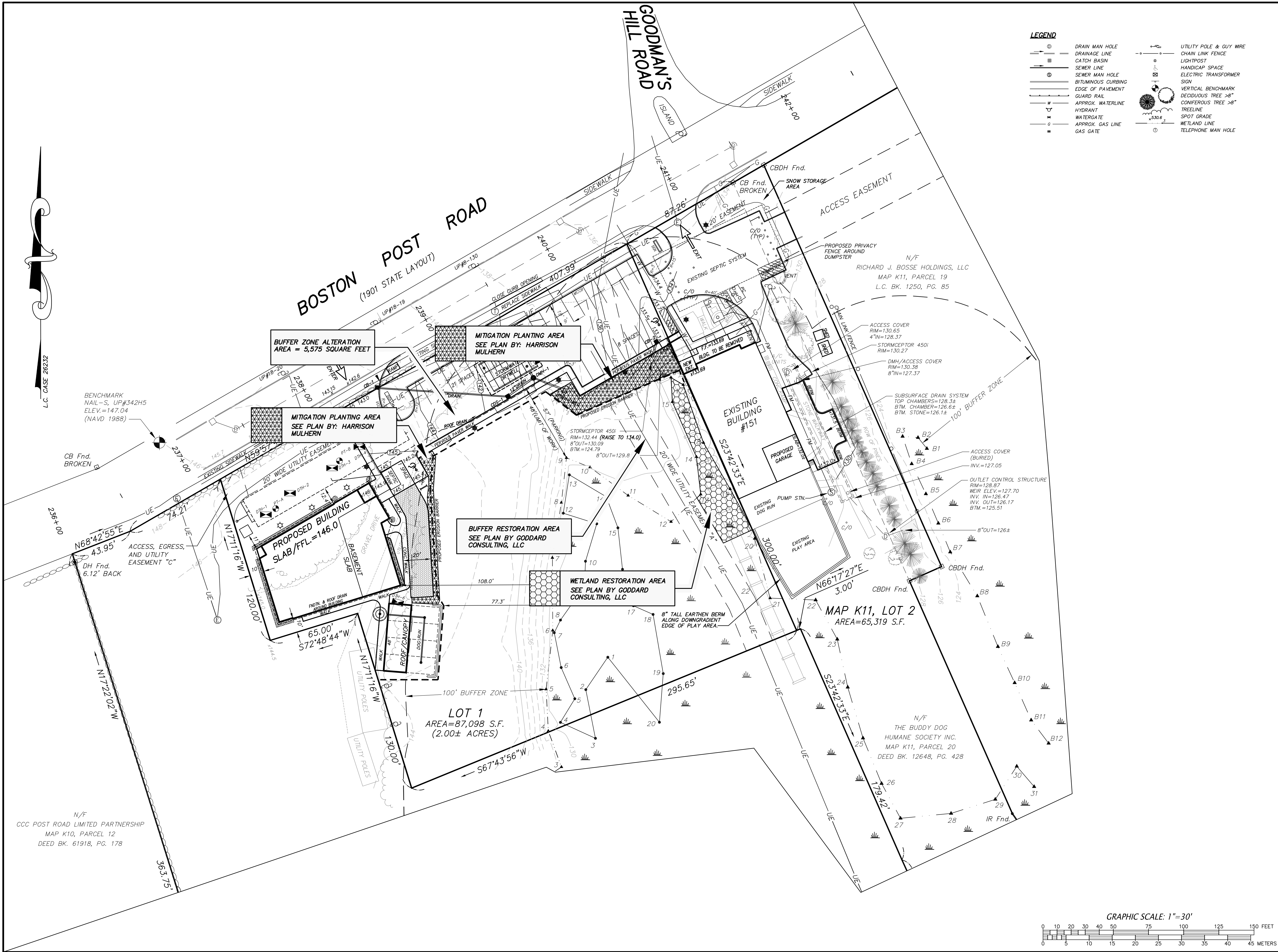


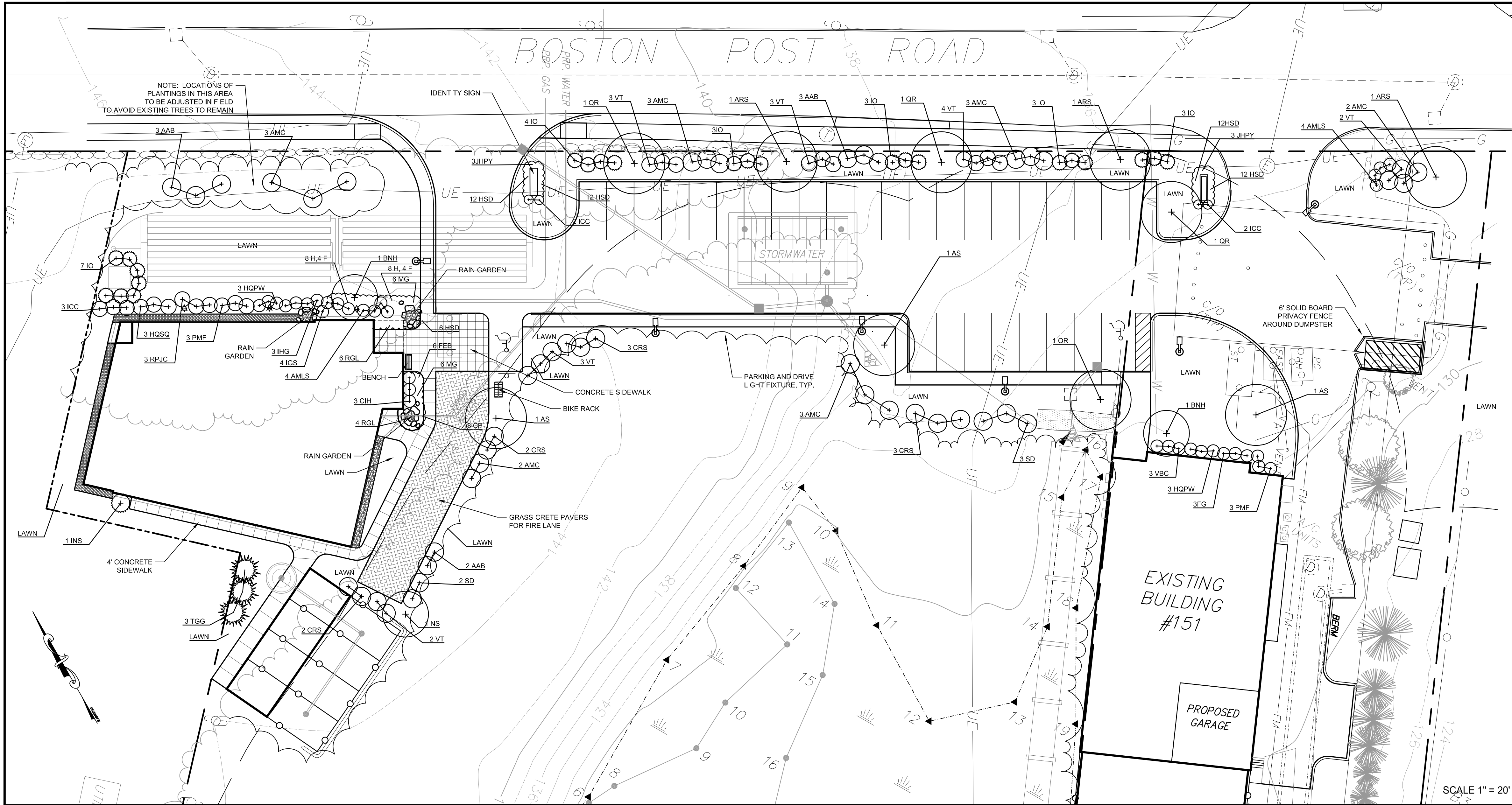
PREPARED FOR:
THE BUDDY DOG HUMANE SOCIETY INC.
151 BOSTON POST ROAD
SUDBURY, MA 01776

SULLIVAN, CONNORS AND ASSOCIATES
LAND SURVEYING AND CIVIL ENGINEERING
121 BOSTON POST ROAD
SUDBURY, MASSACHUSETTS 01776
PHONE: 978-443-9566 FAX: 978-443-8915

CONSTRUCTION DETAILS OF 183 BOSTON POST ROAD IN SUDBURY, MA

| DATE | DESCRIPTION |
|---------------------|-------------------------------|
| 2/27/2020 | CON. COMM. EDITS |
| 2/14/2020 | PLANNING BOARD COMMENTS |
| 2/3/2020 | REVISED SITE LAYOUT |
| 11/5/2019 | PEER REVIEW COMMENTS |
| 10/4/2019 | FINALIZE REVISED LAYOUT |
| 9/30/2019 | FINALIZE REVISED LAYOUT |
| 8/5/2019 | COORDINATION W/ ARCH DRAWINGS |
| REVISED: | DESCRIPTION: |
| DRAWN BY: REM | CHECK BY: VC |
| DATE: JUNE 12, 2019 | |
| SCALE: NONE | SHEET 4 OF 5. |





NOTE:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND DETERMINING THE LOCATION, SIZE AND ELEVATION OF ALL EXISTING UTILITIES, SHOWN OR NOT SHOWN ON THIS PLAN, PRIOR TO ANY CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY UTILITIES FOUND INTERFERING WITH THE PROPOSED CONSTRUCTION AND APPROPRIATE REMEDIAL ACTION BEFORE PROCEEDING WITH THE WORK.

THE LOCATION OF ALL UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE AND ARE BASED ON THE FIELD LOCATION OF ALL VISIBLE STRUCTURES SUCH AS CATCH BASINS, MANHOLES, WATERGATES, ETC. AND COMPILED FROM PLANS SUPPLIED BY VARIOUS UTILITY COMPANIES AND

ALL CONTRACTORS SHOULD NOTIFY, IN WRITING, ALL UTILITY COMPANIES OR AGENCIES PRIOR TO ANY EXCAVATION WORK.

CALL DIGSAFE, 1-800-322-4844

EXISTING CONDITIONS AND SITE PREPARATION NOTES

- EXISTING CONDITIONS AND PROPOSED SITE DEVELOPMENT PLANS ARE TAKEN FROM PLANS PREPARED BY SULLIVAN, CONNORS AND ASSOCIATES, SUDBURY, MA. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS AS THEY MAY AFFECT THE WORK.
- REVIEW EXTENT OF DEMOLITION AND REMOVAL WITH ARCHITECT BEFORE COMMENCING SITE OPERATIONS.
- REPORT DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND THE DRAWINGS IMMEDIATELY TO THE LANDSCAPE ARCHITECT FOR RESOLUTION. DO NOT PROCEED WITH SITE REPARATION IN AREAS OF DISCREPANCY UNTIL WRITTEN RESOLUTION IS OBTAINED.
- DO NOT SCALE DRAWINGS. IF DIMENSION OR EXTENT OF WORK IS UNCLEAR, OBTAIN CLARIFICATION FROM LANDSCAPE ARCHITECT BEFORE PROCEEDING WITH CONSTRUCTION.
- INSTALL EROSION CONTROL AND TREE PROTECTION BEFORE COMMENCING SITE OPERATIONS.
- CONSULT EXISTING DRAWINGS AND RECORDS FOR LOCATION AND EXTENT OF SITE UTILITIES. EXERCISE CARE TO PROTECT EXISTING UTILITIES TO REMAIN.
- REFER TO ENGINEER'S PLANS FOR DIMENSIONS OF PAVEMENT TO REMAIN.
- TREE PROTECTION FENCE TO CONSIST OF 48" ORANGE PLASTIC CONSTRUCTION FENCE ATTACHED TO 2x2 OR METAL POSTS, 60" HIGH, 6'-0" O.C. MAX. MAINTAIN FENCE UNTIL COMPLETION OF PROJECT OR WHEN INSTRUCTED BY LANDSCAPE ARCHITECT.
- PROTECT ALL AREAS AND ELEMENTS WITHIN LIMITS OF WORK SCHEDULED TO REMAIN FROM DAMAGE FROM CONSTRUCTION OPERATIONS. RESTORE ANY AREAS DAMAGED BY CONSTRUCTION OPERATION TO PREVIOUSLY EXISTING CONDITION AT NO ADDITIONAL COST TO OWNER.

PLANTING NOTES:

- ALL PLANT MATERIALS SHALL BE FINEST QUALITY STOCK GROWN IN THE NORTHEAST. LANDSCAPE ARCHITECT RESERVES TO RIGHT TO SELECT AND APPROVE PLANTING MATERIALS AT THE NURSERY OR SOURCE OF SUPPLY.
- ALL PLANT MATERIAL AND METHODS OF INSTALLATION SHALL CONFORM TO THE AMERICAN ASSOCIATION OF NUSERYMEN, AMERICAN STANDARD FOR NURSERY STOCK, LATEST EDITION.
- PROVIDE ONE YEAR WARRANTY ON ALL PLANT MATERIALS.
- ALL PLANTS NOT OTHERWISE DESIGNATED ARE TO BE DELIVERED B&B (BALLED AND BURLAPPED). NO BARE ROOT OR FIELD CLUMP MATERIAL IS ALLOWED (EXCEPT BULBS AND DAYLILIES, WHERE SPECIFIED).
- STAKE TREES AND LAYOUT SHRUB MATERIAL IN APPROXIMATE LOCATIONS AND OBTAIN APPROVAL OF LANDSCAPE ARCHITECT BEFORE PLANTING. LANDSCAPE ARCHITECT WILL LAYOUT PERENNIALS.
- REPORT ANY UNSATISFACTORY CONDITIONS FOR PLANTING IMMEDIATELY TO THE OWNER FOR RESOLUTION. CONTRACTOR SHALL RECEIVE NO ADDITIONAL COMPENSATION FOR UNSATISFACTORY CONDITIONS REPORTED AFTER THE FACT OR AFTER COMPLETION OF PLANTING.
- ALL AREAS DISTURBED BY CONSTRUCTION AND PLANTING OPERATIONS TO BE REPAIRED OR RESTORED TO PREVIOUSLY EXISTING CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.
- TOPSOIL: NATURAL, FRIABLE, FERTILE SOIL CHARACTERISTIC OF PRODUCTIVE SOIL IN THE VICINITY, REASONABLY FREE OF STONES GREATER THAN 1/2" IN SIZE, CLAY LUMPS, ROOTS, AND OTHER FOREIGN MATTER. TOPSOIL SHALL BE LOAMY SAND OR SANDY LOAM AS CLASSIFIED ACCORDING TO THE US SOIL CONSERVATION SERVICE UNIFORM SOILS CLASSIFICATION.
- PLANTING SOIL MIXTURE: 3 PARTS TOPSOIL TO 1 PART ORGANIC COMPOST.
- ALL PLANTING BEDS TO RECEIVE 12" OF PLANTING MIX.
- LOOSEN AND/OR DE-COMPACT SUBGRADE TO A DEPTH OF 8" PRIOR TO SPREADING TOPSOIL.
- IN CASE OF DISCREPANCY BETWEEN PLAN AND PLANT LIST, LANDSCAPE ARCHITECT SHALL DECIDE WHICH QUANTITY SHALL GOVERN, AT NO ADDITIONAL COST TO THE OWNER.
- NO MATERIALS MAY BE SUBSTITUTED WITHOUT APPROVAL OF LANDSCAPE ARCHITECT PRIOR TO DELIVERY.
- ALL PLANTED AND LAWN AREAS TO BE IRRIGATED. SHRUB AREAS AND PLANTING BEDS TO BE DRIP IRRIGATION. LAWN AREAS TO BE LOW VOLUME SPRAYS. PROVIDE COMPLETE DESIGN PLAN FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO BEGINNING CONSTRUCTION.
- ALL LAWN AREAS TO BE SEEDED WITH A HIGH TRAFFIC, SUN/SHADE BLEND OF BLUEGRASS, FESCUE AND PERENNIAL RYE SUCH AS PEARL'S PREMIUM. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

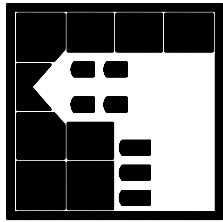
REVISIONS:

| NO. | DATE | REVISION |
|-----|------------|---------------------------|
| 2 | 02/20/2020 | Revised per town comments |
| 1 | 9/30/2019 | Revised per town comments |
| 0 | 7/24/2019 | For Site Plan Approval |

LEONARD DESIGN ASSOCIATES
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e: leonarddesign@com.com

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Winchester, MA 01890
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email: cm@hmarcarchitects.com

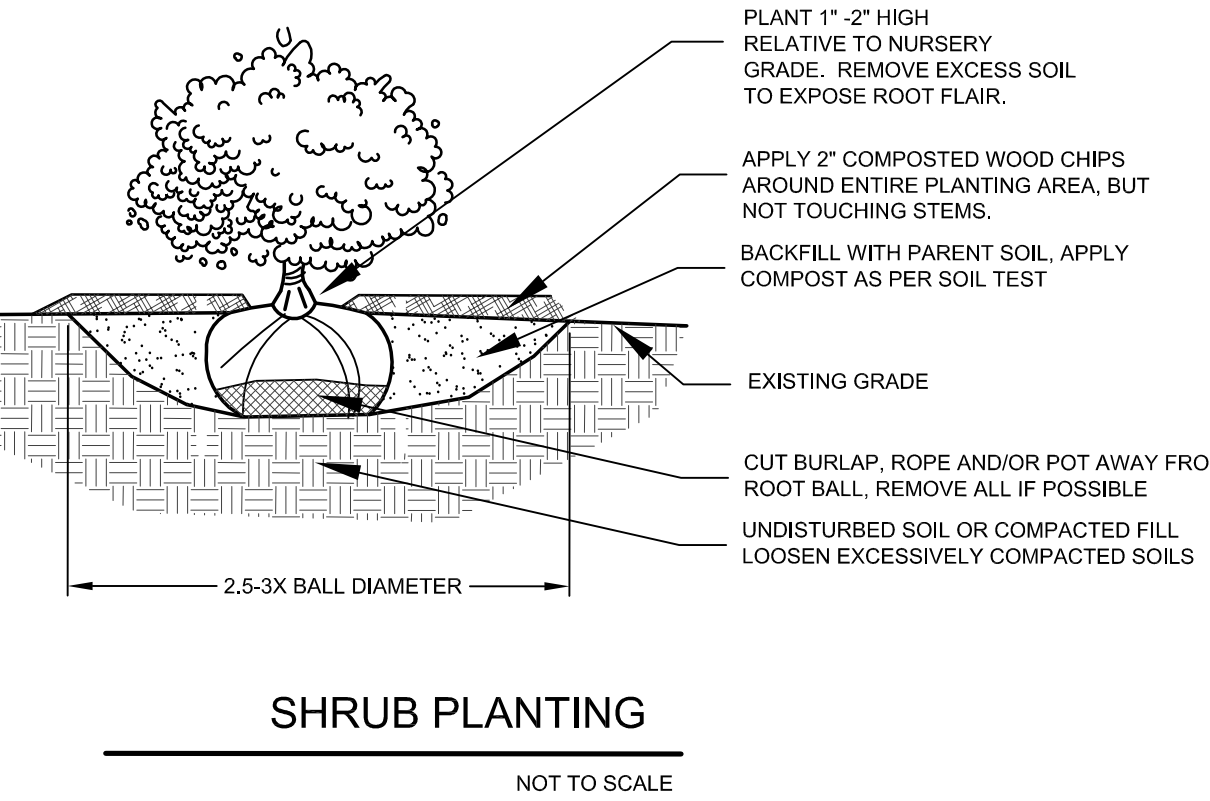
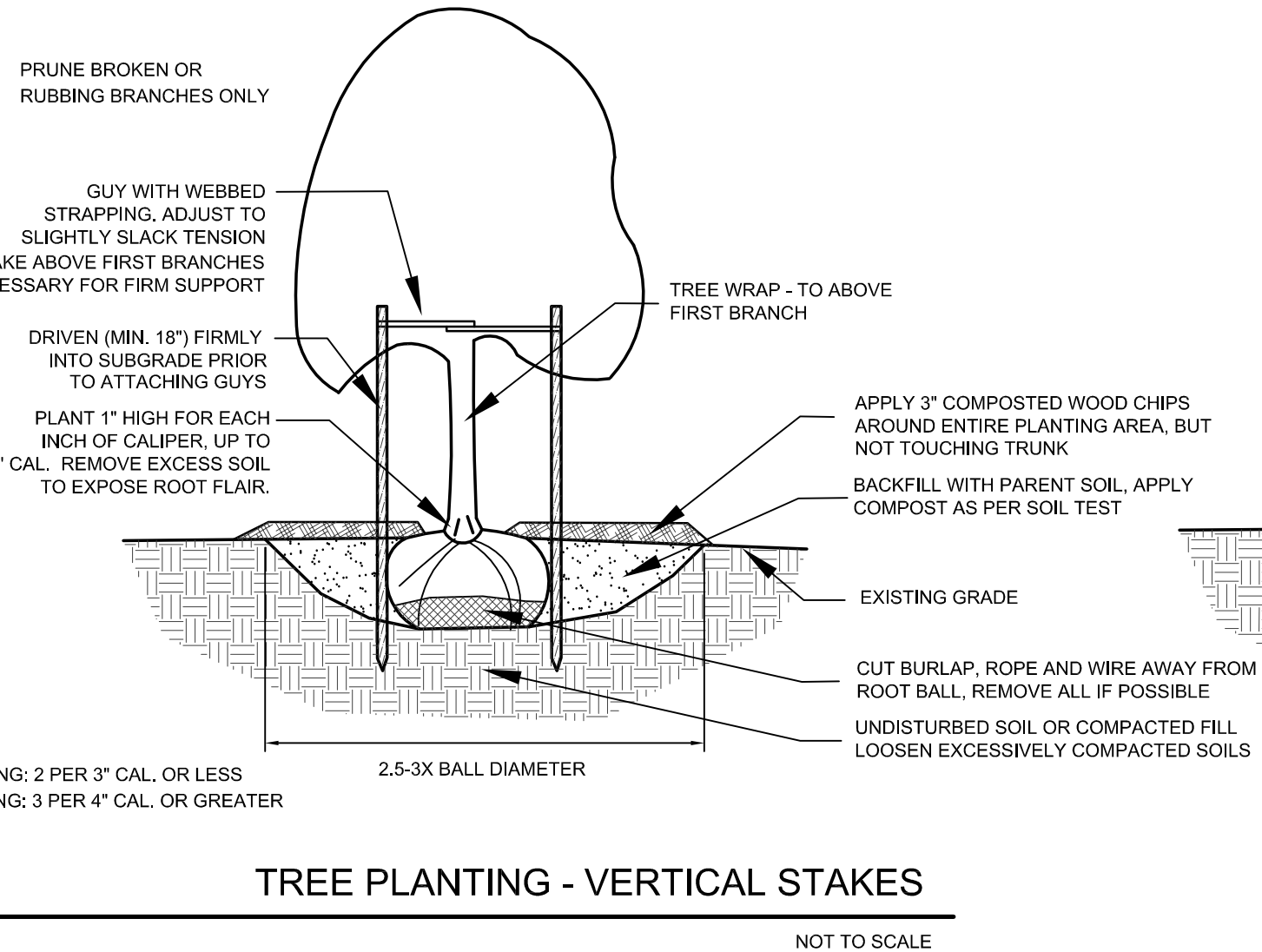
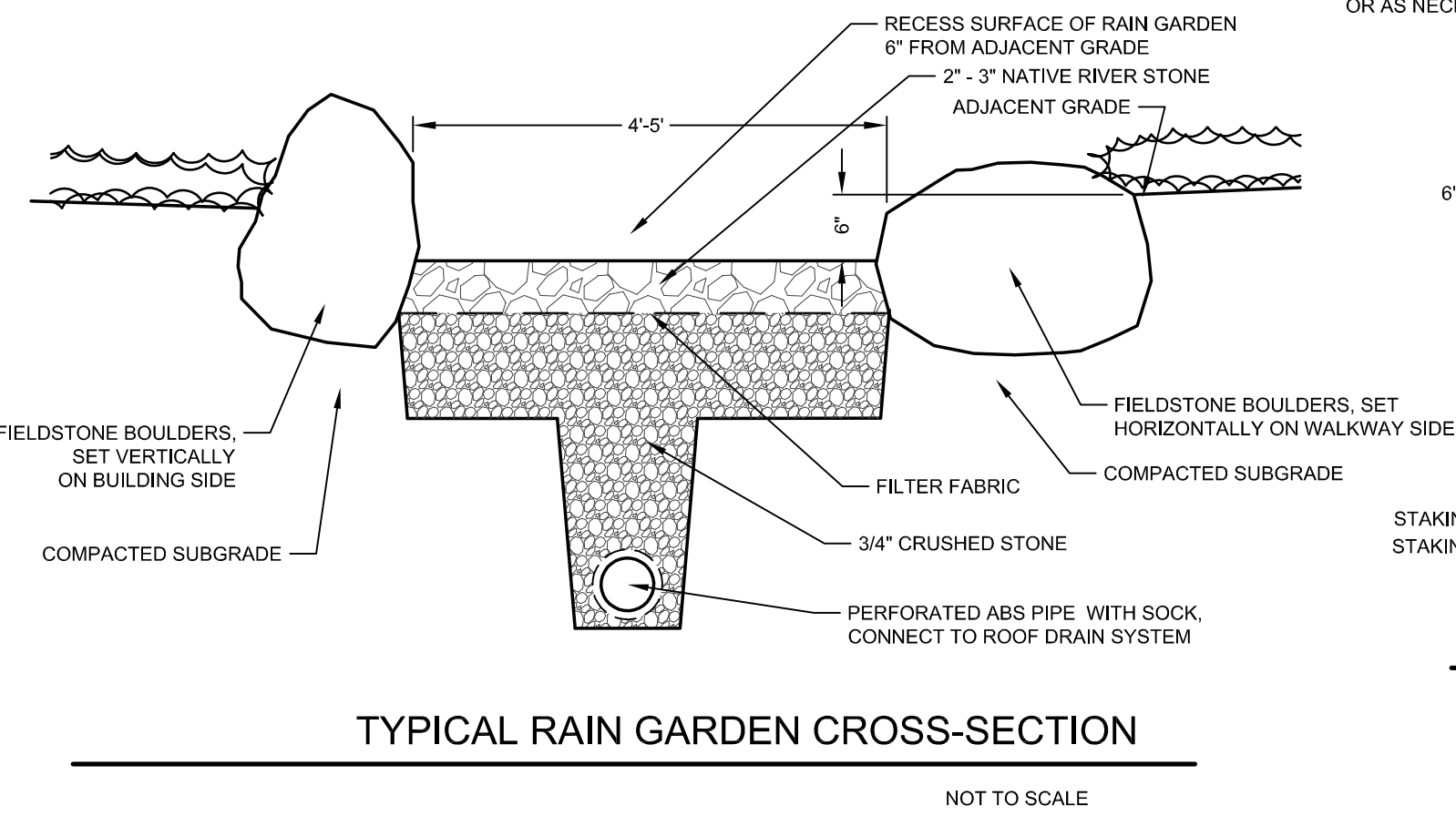
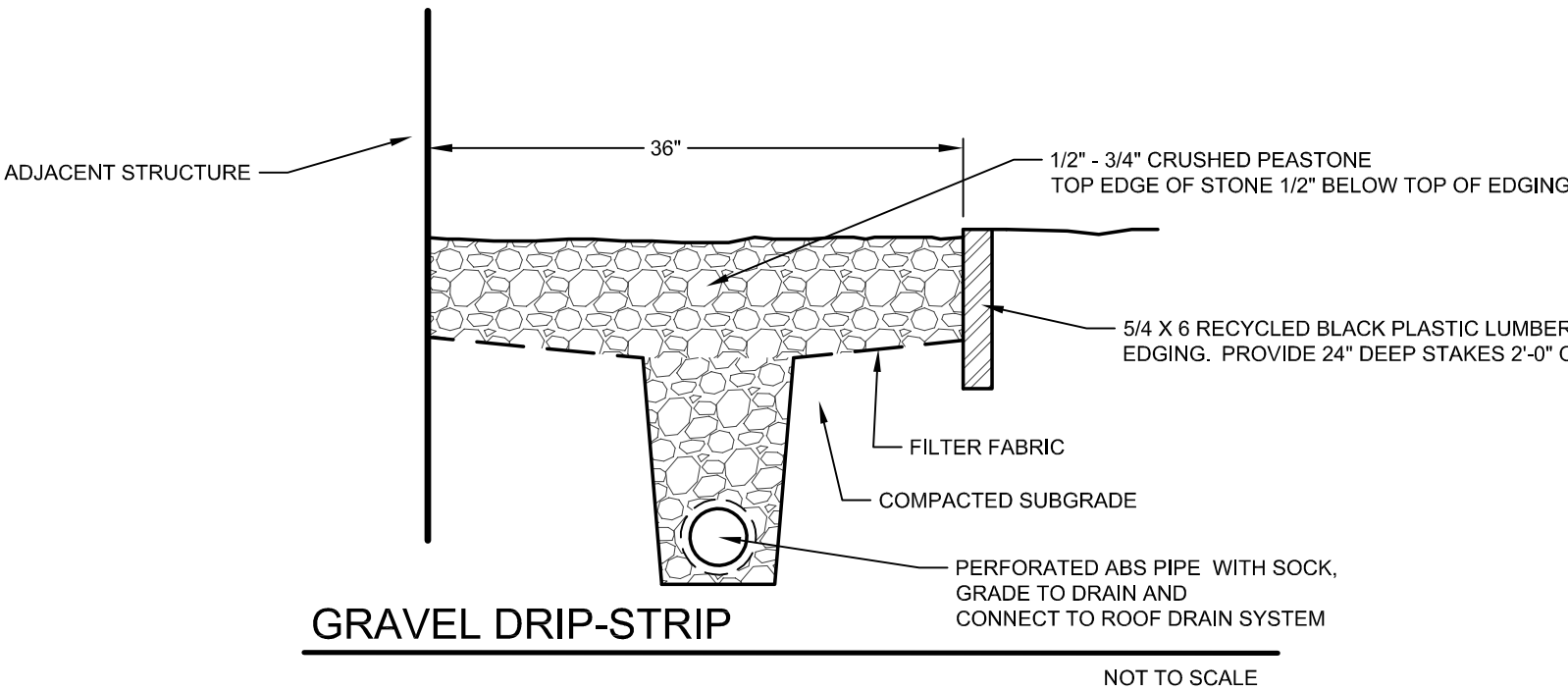
THE BUDDY DOG HUMANE SOCIETY, INC.
151-183 BOSTON POST ROAD
SUDBURY, MA 01776



LANDSCAPE PLAN

L1.1

| PLANT LIST | | | | |
|------------|-------|--|-----------------------------------|----------|
| SYMB. | QNTY. | SCIENTIFIC NAME | COMMON NAME | SIZE |
| ARS | 3 | ACER RUBRUM 'RED SUNSET' | RED SUNSET RED MAPLE | 3" CAL |
| AS | 3 | ACER SACCHARUM | SUGAR MAPLE | 3" CAL |
| BNH | 2 | BETULA NIGRA 'DURA-HEAT' MULTI TRUNK | DURA-HEAT RIVER BIRCH | 10-12" |
| INS | 1 | ILEX 'NELLIE STEVENS' | NELLIE STEVENS HOLLY | 7-8" |
| IO | 20 | ILEX OPACA | AMERICAN HOLLY | 5-6" |
| NS | 1 | NYSSA SYLVATICA | BLACK TUPELO | 2.5" CAL |
| QR | 4 | QUERCUS RUBRA | RED OAK | 3" CAL |
| TGG | 3 | THUJA PLICATA 'GREEN GIANT' | RED SUNSET RED MAPLE | 7-8" |
| AMC | 16 | AMELANCHIER CANADENSIS | SHADBLOW SERVICEBERRY | 7 GAL. |
| AAB | 11 | ARONIA ARBUTIFOLIA 'BRILLIANTISSIMA' | HYBRID RED CHOKECHERRY | 4-5" |
| AMLS | 4 | ARONIA MELANOCARPA 'LOW SCAPE MOUND' | LOW SCAPE MOUND BLACK CHOKECHERRY | 2 GAL. |
| CRS | 10 | CLETHRA ALNIFOLIA 'RUBY SLIPPERS' | PINK SUMMERSWEET CLETHRA | 3 GAL. |
| CH | 3 | CORNUS ALBA 'IVORY HALO' | VARIEGATED RED-TWIG DOGWOOD | 5 GAL. |
| FG | 3 | FOTHERGILLA GARDENII | DWARF FOTHERGILLA | 3 GAL. |
| HQPW | 6 | HYDRANGEA QUERCIFOLIA 'PEEWEE' | COMPACT OAKLEAF HYDRANGEA | 3 GAL. |
| HSD | 6 | HYDRANGEA QUERCIFOLIA 'SNOW QUEEN' | DWARF OAKLEAF | 3 GAL. |
| ICC | 7 | ILEX CRENATA 'CONVEXA COMPACTA' | COMPACT JAPANESE HOLLY | 24-30" |
| IGS | 4 | ILEX GLABRA 'SHAMROCK' | SHAMROCK INKBERRY | 24-30" |
| IHG | 3 | ITEA 'HENRY'S GARNET' | HENRY'S GARNET SWEETSPICE | 24-30" |
| PMF | 6 | PIERIS 'MOUNTAIN FIRE' | MOUNTAIN FIRE ANDROMEDA | 24-30" |
| RPJC | 3 | RHODODENDRON 'PJM COMPACTA' | COMPACT EARLY RHODODENDRON | 24-30" |
| SD | 5 | SALIX DISCOLOR | PUSSY WILLOW | 5 GAL. |
| VBC | 3 | VIBURNUM 'BAILEY'S COMPACT' | BAILEY'S COMPACT VIBURNUM | 24-30" |
| VT | 17 | VIBURNUM TRILOBUM | AMERICAN CRANBERRYBUSH VIBURNUM | 3-4" |
| CP | 8 | CAREX PENNSYLVANICA | PENNSYLVANIA SEDGE | 1 GAL. |
| F | 8 | FERNIS - EQUAL NUMBERS HAYSCENTED, CINNAMON, OSTRICH, CHRISTMAS | BLUE FESCUE | 1 GAL. |
| FEB | 6 | FESTUCA 'ELIAH BLUE' | BLUE FESCUE | 1 GAL. |
| HSD | 54 | HEMEROCALLIS 'STELLA D'ORO' | REBLOOMING COMPACT DAYLILY | 1 GAL. |
| H | 16 | HOSTA - EQUAL NUMBERS FRANCEE, PATRIOT, FRANCIS WILLIAMS, ROYAL STANDARD | ROYAL STANDARD | 1 GAL. |
| JHPY | 6 | JUNIFERUS HORIZ. PLUMOSA 'YOUNGSTOWN' | COMPACT ANDORRA JUNIPER | 2 GAL. |
| MG | 12 | MYRICA GALE | SWEET GALE | 1 GAL. |
| RGL | 12 | RHUS AROMATICA 'GRO-LO' | GRO-LO SUMAC | 2 GAL. |



FOR SITE PLAN APPROVAL - NOT FOR CONSTRUCTION

February 27, 2020

Habitat Restoration Plan

Buddy Dog Humane Society
151 & 183 Boston Post Road
Sudbury, MA

Submitted to:

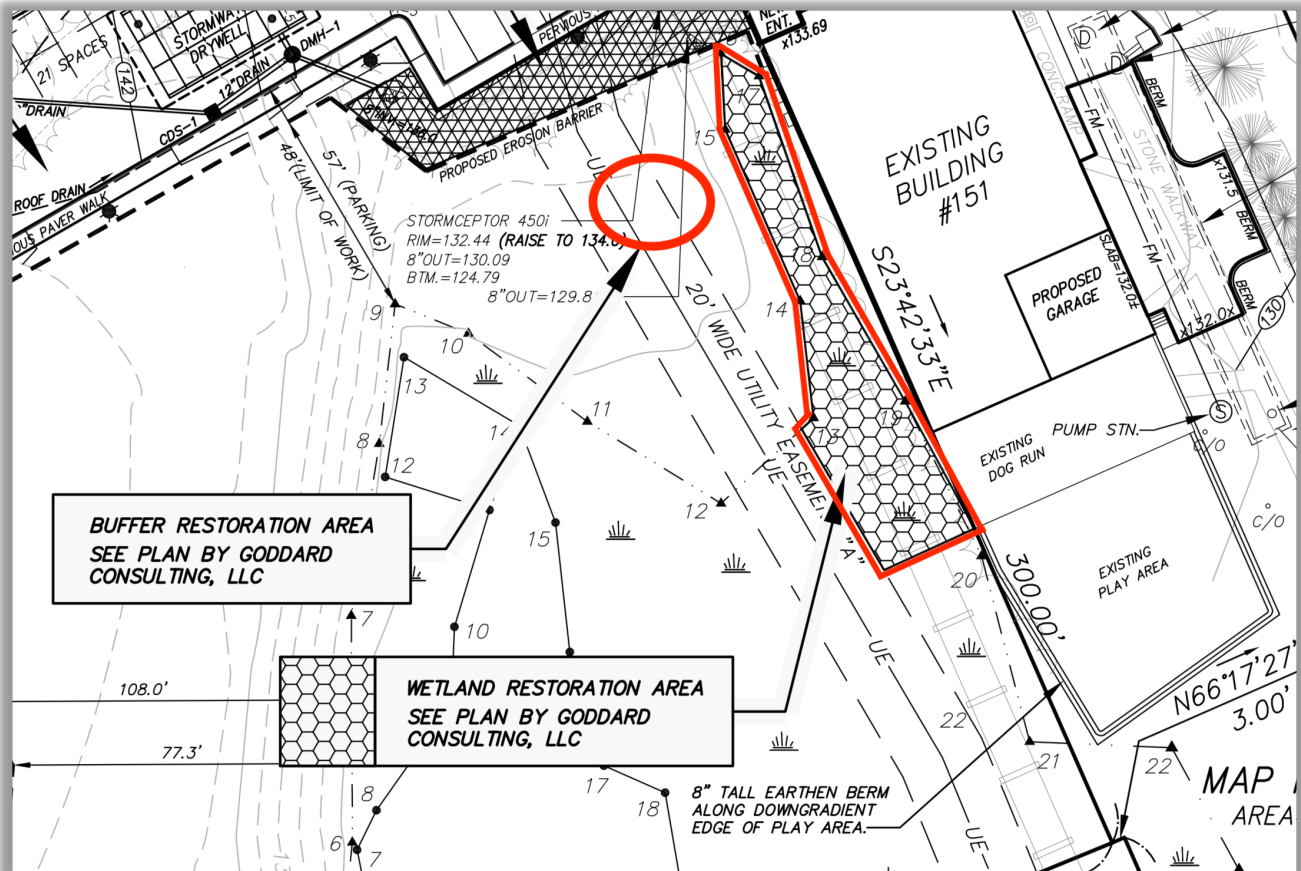
Sudbury Conservation Commission
Department of Public Works Building
275 Old Lancaster Road
Sudbury, MA 01776

Prepared for:

Steve Burt
Buddy Dog Humane Society, Inc.
151 Boston Post Road
Sudbury, MA 01776

1. INTRODUCTION

On behalf of the Applicant, Buddy Dog Humane Society, Goddard Consulting, LLC is pleased to submit this Habitat Restoration Plan as a component of the Notice of Intent filed for 151 & 183 Boston Post Road in Sudbury, MA. Restoration is proposed within buffer zone and wetlands to the west of the existing Buddy Dog building, in order to mitigate for the proposed alteration of 3,550 sf of natural vegetation for the project. See the following figure for a visual plan of the buffer zone and wetland restoration locations.



2. RESTORATION PLAN SUMMARY

2.1 Buffer Zone Restoration Area

This includes an approximately 800 sf area to the west of the existing building where woodchips, bird feeders and benches are present. The disturbed area will be replanted with native shrubs.

2.2 Wetland Restoration Area

The plan includes invasive species removal plus native shrub and fern plantings within an 1,800 sf wetland located immediately west of the existing building.

3. RESTORATION PLAN DETAILS

3.1 Overview

Supervision: All work within the restoration areas shall be supervised by a qualified wetland scientist or biologist with a minimum of five years' experience. The supervisor shall submit monitoring reports to the Conservation Commission as described below. Reports shall contain details of all work performed and photographs of completed conditions.

Timing: Invasive species removal may take place during any time of year. Restoration area plantings should be installed during the Spring or Fall growing seasons.

3.2 Sequencing of Procedures

Step 1: Define Limits of Work

Flag and/or stake out limits of work for the two separate restoration areas. Erosion control barriers shall not be necessary given the lack of grading required for the Buffer Zone Restoration Area and flat nature of the wetland restoration area. The supervising wetland scientist shall have authority to require erosion control measures if deemed necessary. If necessary, erosion control barriers shall be installed in the form of staked siltation fence or mulch sock (or similar invasive-free barrier) placed at the limit of work for the subject area. These will remain in place and be maintained until the areas are completely stabilized and then may be removed after approval of the Conservation Commission.

Step 2: Identify invasive species for removal

The wetland scientist shall identify and flag (with pink flagging) a representative sample of any non-native invasive species to be removed. Scientist shall provide identification training to removal contractor and laborers if necessary. Any native tree or shrub species to be left in place shall be clearly identified with a color other than pink and labeled.

Step 3: Remove invasive species

All invasive species specimens shall be removed and discarded in accordance with the following species-specific procedures:

Glossy false buckthorn and honeysuckle: hand-pull individual plants so that entire root system is removed. Chip or burn, taking care not to spread any berries beyond already-contaminated areas. If roots cannot be removed, cut as close to ground as possible to impede growth of stump sprouts the following growing season.

Oriental bittersweet: cut vines from living trees, attempt to pull out individual vines at the roots. Chip or burn removed pieces, taking care not to spread berries beyond already-contaminated area.

Step 4: Planting

The supervising wetland scientist shall direct the placement of shrubs and ferns during installation, but they should be generally distributed evenly throughout the area. Suggested species and actual quantity to be planted include:

FOR BUFFER ZONE RESTORATION AREA:

Shrubs (16 total)

- 4 American hazelnut (*Corylus americana*) (18"-24" height)
- 4 serviceberry (*Amelanchier canadensis/arborea*) (2-3' height)
- 4 red-osier dogwood (*Swida sericea*) (2-3' height)
- 4 highbush blueberry (*Vaccinium angustifolium*) (2-3' height)

Seed Mix

- 1 lbs. New England Wetland Plants New England Conservation/Wildlife Mix or equivalent (25 lbs/acre) applied to newly planted portions

FOR WETLAND RESTORATION AREA:

Shrubs (28 total)

- 7 spicebush (*Lindera benzoin*) (2-3' height)
- 7 swamp azalea (*Rhododendron viscosum*) (2-3' height)
- 7 silky dogwood (*Cornus amomum*) (2-3' height)
- 7 highbush blueberry (*Vaccinium angustifolium*) (2-3' height)

Ferns (28 total)

- 30 sensitive fern (*Onoclea sensibilis*) (1 gal. pot)
- 30 cinnamon fern (*Osmundastrum cinnamomea*) (1 gal. pot)

Seed Mix

- 1 lbs. New England Wetland Plants WetMix or equivalent (25 lbs/acre) applied to newly planted portions

Notes

1) The shrubs to be planted must be native "non-cultivar" individuals. Cultivars are hybrids between the native species and a similar but non-native species, usually created to produce larger fruits/berries or showier flowers. These cultivars often are not used by the local native wildlife, which have not adapted to the different size/shape food source. Below is an example of how to choose a non-cultivar plant at the nursery:

| | | |
|-------------------------------------|---|-------------------------------------|
| * VACCINIUM COR. 'BLUE CROP' #3 | | BLUE CROP Highbush BLUEBERRY #3 |
| * VACCINIUM COR. 'JERSEY' #3 | CULTIVARS: DO NOT CHOOSE | JERSEY Highbush BLUEBERRY #3 |
| * VACCINIUM COR. 'NORTHCOUNTRY' #3 | | NORTHCOUNTRY Highbush BLUEBERRY #3 |
| * VACCINIUM COR. 'PINK LEMONADE' #3 | | PINK LEMONADE Highbush BLUEBERRY #3 |
| * VACCINIUM CORYMBOSUM #1 | | Highbush BLUEBERRY #1 |
| * VACCINIUM CORYMBOSUM #3 | STRAIGHT NATIVE SPECIES | Highbush BLUEBERRY #3 |

Figure 1 - Example of cultivar vs. straight species of Highbush Blueberry (from Bigelow Nurseries, Northboro, MA).

2) If the specified non-cultivar shrub species are not available at any local nurseries, then substitutions can be made. Substitutions shall be made from the Sudbury Conservation Commission list of approved Native Plants.

3) All plantings shall be distributed randomly throughout the area; shrubs spaced at 6-8' on center and ferns 3' on center. Precise citing of plants may be determined by the wetland scientist in the field prior to installation.

4) Each plant will have its roots loosened prior to planting to encourage root growth away from the planting bulb.

5) Leaf litter shall be spread throughout area if available. Seed mix shall be scattered evenly by hand throughout the restoration area.

6) Plantings shall take place during suitable growing conditions and not before completion of the site grading and invasive plant species removal.

7) All plantings shall be watered appropriately during the first growing season, and shall be monitored by the supervising biologist at the end of the first growing season to assess survival and whether replacement plantings are necessary.

8) Any plants that do not survive the first growing season shall be replaced prior to the next growing season.

Step 6: Place woody debris and boulders

A variety of woody debris and rocks shall be randomly placed throughout the restoration areas to provide cover for wildlife and provide wildlife habitat. Dead wood shall consist of 6" or greater diameter logs approximately 6-feet long.

Step 7: Monitoring

a. **Seasonal monitoring reports** shall be prepared for the restoration areas by a qualified wetland scientist for a period of 2 additional years after installation. This monitoring program will consist of early summer and early fall inspections, and will include photographs and details about the vitality of the restoration area. Monitoring reports shall be submitted to the Commission by November 30th of each year. Monitoring reports shall describe, using

narratives, plans, and color photographs, the physical characteristics of the area, survival of vegetation and plant mortality, aerial extent and distribution, species diversity and vertical stratification (i.e. herb, shrub and tree layers). Invasive species will be documented if present, monitored and removed.

b. **At least 90% of the surface area** of the restoration areas shall be re-established with indigenous plant species within three growing seasons. If the restoration area does not meet the 90% re-vegetation requirement by the end of the second growing season after installation, the Applicant shall submit a remediation plan to the Commission for approval that will achieve, under the supervision of a Wetland Specialist, the desired goals. This plan must include an analysis of why the areas have not successfully re-vegetated and how the Applicant intends to resolve the problem.

c. There should be an intensive effort to prevent the establishment of non-native invasive plant species, and to ensure timely and consistent treatment (e.g., hand pulling, cutting) of invasive plant species that become established within the Restoration Area.

Step 8: Erosion Controls Removal

Once the restoration area is stable and plantings are complete, a request shall be submitted to the Conservation Commission to remove the erosion controls (if applicable).