

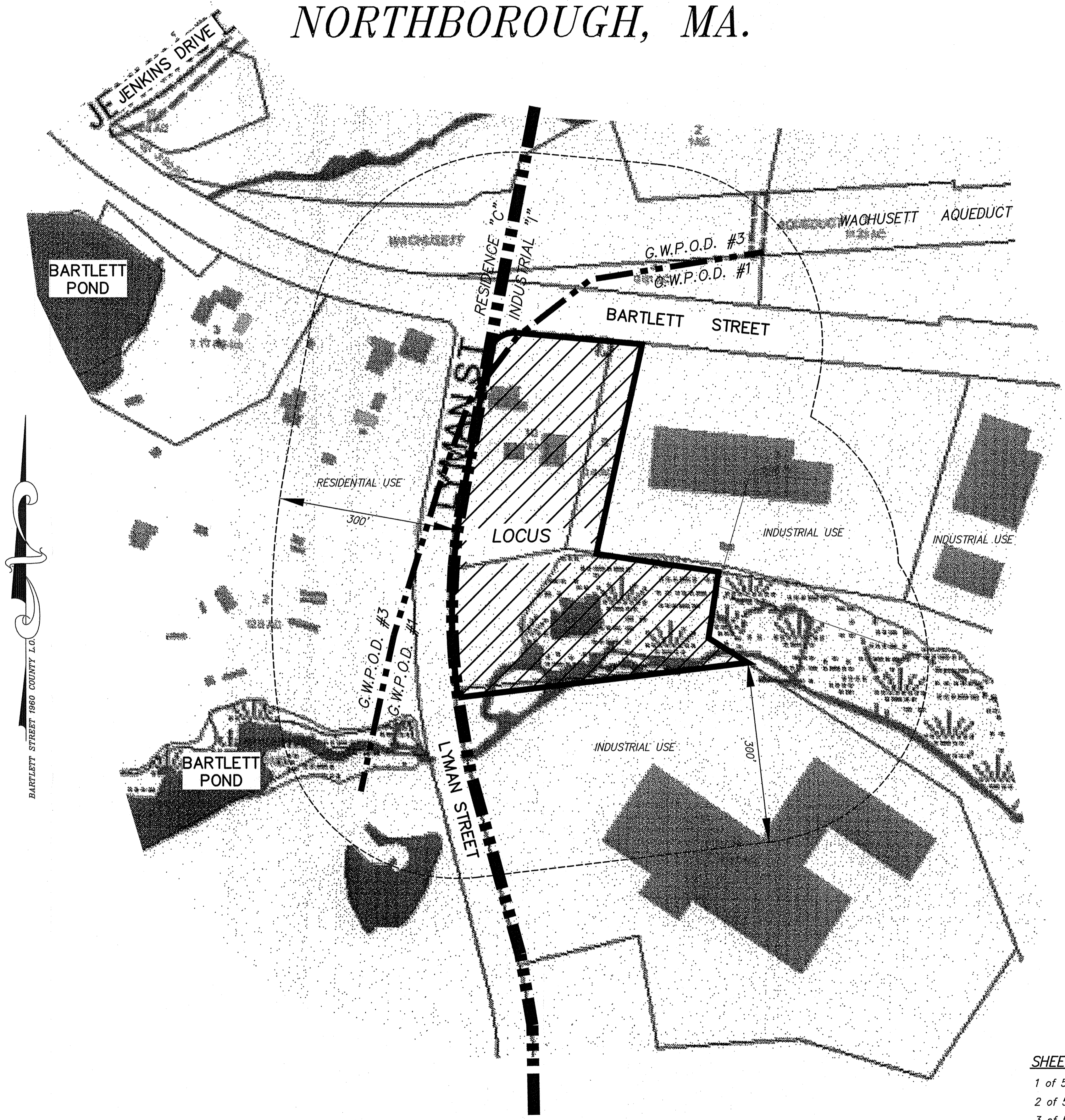
GENERAL NOTES:

1. PROPERTY LINES ARE BASED UPON EXISTING PLANS AND DEEDS OF RECORD AND DOES NOT REPRESENT A PROPERTY SURVEY.
2. EXISTING TOPOGRAPHY IS BASED UPON AN ON-GROUND TOPOGRAPHICAL SURVEY BY CONNORSTONE ENGINEERING, INC. IN OCTOBER 2014. TBM=280.03 LOCATED ON UTILITY POLE #3/3 IN LYMAN STREET. ELEVATIONS REFER TO NAVD 1988.
3. THE PARCEL IS LOCATED AT 1 LYMAN STREET, AS SHOWN ON ASSESSORS MAP 66, PARCEL 9,10 & 11.
4. A PORTION OF THE SITE IS LOCATED WITHIN A FLOOD HAZARD ZONE AS SHOWN ON FEMA F.I.R.M. 2502700653F DATED JULY 16, 2014.
5. SUBSURFACE DISPOSAL SYSTEM DESIGN TO FOLLOW WITH SEPARATE APPLICATION.

CONSTRUCTION NOTES:

1. 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.
2. 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.
3. ALL MATERIALS AND CONSTRUCTION PRACTICES SHALL BE IN CONFORMANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE NORTHBOROUGH 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.
4. THE WATER SYSTEM SHALL BE INSTALLED IN COMPLIANCE WITH THE TOWN OF NORTHBOROUGH DPW WATER DIVISION RULES AND REGULATIONS. CONNECTIONS SHALL BE MADE IN ACCORDANCE WITH APPLICABLE PERMITS (TO BE OBTAINED BY THE CONTRACTOR).
5. THE SEWER SYSTEM SHALL BE INSTALLED IN COMPLIANCE WITH THE TOWN OF NORTHBOROUGH DPW SEWER DIVISION RULES AND REGULATIONS. CONNECTIONS SHALL BE MADE IN ACCORDANCE WITH APPLICABLE PERMITS (TO BE OBTAINED BY THE CONTRACTOR). INVERTS AT THE PROPOSED BUILDING SHALL BE COORDINATED WITH THE ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
6. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, TO KEEP ACCURATE AS-BUILT MEASUREMENTS / RECORDS OF ALL UNDERGROUND OR CONCEALED WORK.
7. THE LAYOUT AND INSTALLATION OF ELECTRIC, GAS, TELEPHONE AND CATV UTILITY CONNECTIONS AND SERVICES SHALL IN ACCORDANCE WITH THE REQUIREMENTS OF THE RESPECTIVE UTILITY.
8. 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.
9. 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.
10. 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.
11. ALL RAMPS, 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).
12. 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.
13. JOINTS BETWEEN PROPOSED BITUMINOUS CONCRETE PAVEMENT AND EXISTING PAVEMENT TO REMAIN SHALL BE SAWCUT AND SEALED WITH HOT POURED RUBBERIZED ASPHALT SEALER.
14. COORDINATE ALL BUILDING DIMENSIONS, ELEVATIONS, AND UTILITY CONNECTIONS WITH THE ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION. ANY DISCREPANCY SHALL BE REPORTED TO THE OWNER AND ENGINEER.

SITE PLAN OF 1 LYMAN STREET NORTHBOROUGH, MA.



OPEN SPACE / LANDSCAPE TABULATION:

LOT AREA = 178,809 S.F.
 REQUIRED OPEN SPACE = 44,702 S.F. (25%)
 PROPOSED OPEN SPACE = 133,689 S.F. (75%)
 EXISTING IMPERVIOUS COVER = 7,715 S.F.
 PROPOSED IMPERVIOUS COVER = 45,120 S.F.

ZONED: INDUSTRIAL

LOT REQUIREMENTS	REQUIRED	PROPOSED
AREA	60,000 s.f.	162,959 s.f.
FRONTAGE	150 FEET	607.20 FEET
FRONT YARD	40 FEET	50.9 FEET
SIDE YARD	20 FEET	332.7 FEET
REAR YARD	25 FEET	60.4 FEET

MAXIMUM LOT COVERAGE = 50% 12.4%
 MINIMUM OPEN SPACE = 25% 72.3%

GROUNDWATER OVERLAY PROTECTION DISTRICT - 1

PARKING REQUIREMENTS:

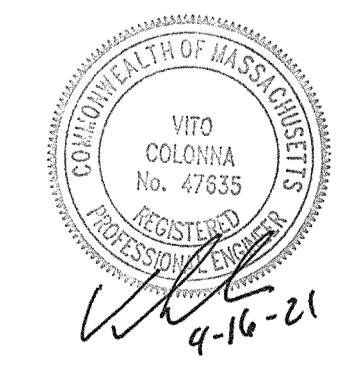
INDUSTRIAL USES:
 OFFICE: 1 SPACE / 300 S.F. MINIMUM
 1 SPACE / 200 S.F. MAXIMUM
WAREHOUSE:
 1 SPACE / 1500 S.F. MINIMUM
 1 SPACE / 1000 S.F. MAXIMUM
PROPOSED USES:
 6,000 S.F. OFFICE
 17,000 S.F. WAREHOUSE
 MINIMUM SPACES REQUIRED = 32
 MAXIMUM SPACES ALLOWED = 47
 TOTAL SPACES PROPOSED = 43

OWNER:
 IAN A. GOW
 146 BOSTON ROAD
 SOUTHBOROUGH, MA. 01772

 THE BLACK STONE TRUST
 IAN A. GOW, Trustee
 146 BOSTON ROAD
 SOUTHBOROUGH, MA. 01772
 ASSESSORS MAP 66, PARCEL 9,10,11
PREPARED FOR:
 JEFF JIANG
 CABLE MATTERS, INC.
 153 NORTHBORO ROAD
 SOUTHBOROUGH, MA. 01772

CONNORSTONE ENGINEERING INC.
 CIVIL ENGINEERS AND LAND SURVEYORS
 10 SOUTHWEST CUTOFF, SUITE 7
 NORTHBOROUGH, MASSACHUSETTS 01532
 PHONE: 508-393-9727 FAX: 508-393-5242

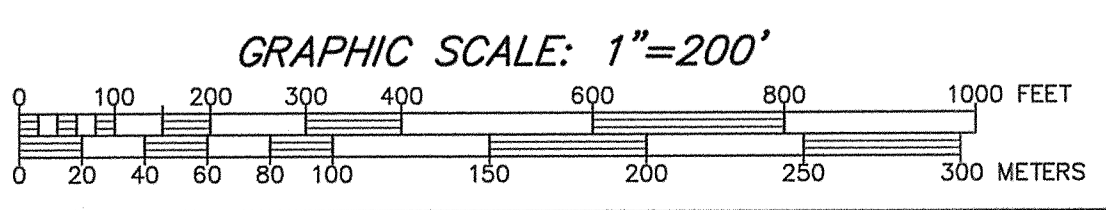
PROPOSED SITE PLAN OF 1 LYMAN STREET IN NORTHBOROUGH, MA



SHEET INDEX

- 1 of 5 COVER SHEET
- 2 of 5 EXISTING CONDITIONS PLAN
- 3 of 5 PROPOSED SITE PLAN
- 4 of 5 PROPOSED EROSION CONTROL PLAN
- 5 of 5 CONSTRUCTION DETAILS

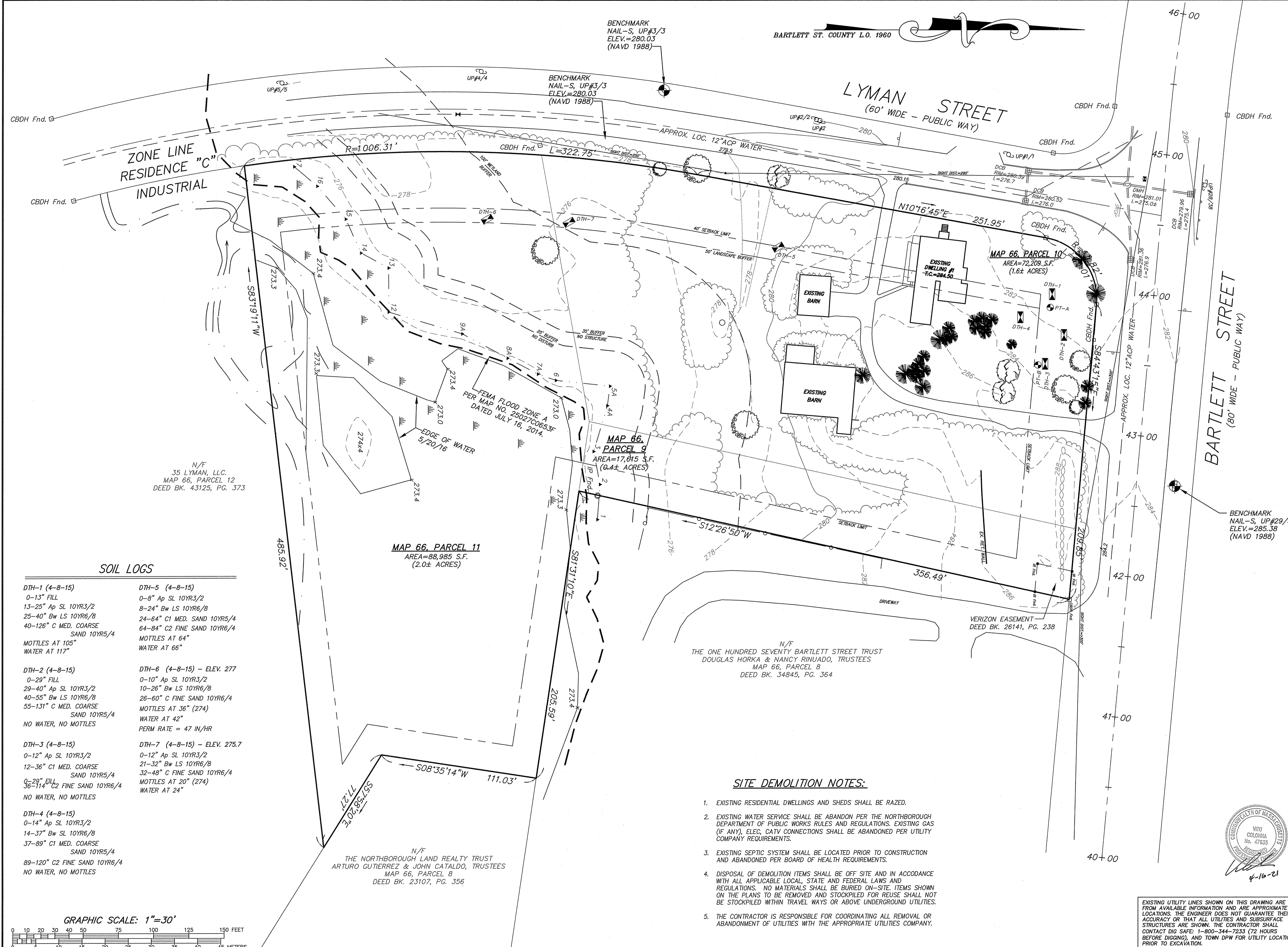
4/16/2021	BUILDING EDITS
3/24/2021	DESIGN REVIEW/BLDG. EDITS
2/16/2021	DESIGN REVIEW EDITS
3/20/2020	DESIGN EDITS
REVISED:	DESCRIPTION:
DRAWN BY: REM	CHECK BY: VC
DATE: FEBRUARY 19, 2020	
SCALE: 1"=30'	SHEET 1 OF 5



LOCUS MAP:
 SCALE: 1"=100'

LEGEND

- UTILITY POLE & GUY WIRE
- CHAIN LINK FENCE
- LIGHTPOST
- CATCH BASIN
- VERTICAL BENCHMARK
- EDGE OF PAVEMENT
- APPROX. WATERLINE
- HYDRANT
- WATERGATE
- APPROX. GAS LINE
- GAS GATE
- TREELINE
- SPOT GRADE
- OVERHEAD WIRE
- UNDERGROUND ELECTRIC
- PROPOSED WALL
- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- PROPOSED DOWNSPOUT
- MAJOR TREES



N/F
35 LYMAN, LLC.
MAP 66, PARCEL 12
DEED BK. 43125, PG. 373

MAP 66, PARCEL 11
AREA=88,985 S.F.
(2.0± ACRES)

MAP 66, PARCEL 9
AREA=17,015 S.F.
(0.4± ACRES)

N/F
THE ONE HUNDRED SEVENTY BARTLETT STREET TRUST
DOUGLAS HORKA & NANCY RINUADO, TRUSTEES
MAP 66, PARCEL 8
DEED BK. 34845, PG. 364

N/F
THE NORTHBOROUGH LAND REALTY TRUST
ARTURO GUTIERREZ & JOHN CATALDO, TRUSTEES
MAP 66, PARCEL 8
DEED BK. 23107, PG. 356

OWNER:
IAN A. GOW
146 BOSTON ROAD
SOUTHBOROUGH, MA. 01772

THE BLACK STONE TRUST
IAN A. GOW, Trustee
146 BOSTON ROAD
SOUTHBOROUGH, MA. 01772

ASSESSORS MAP 66, PARCEL 9,10,11

PREPARED FOR:
JEFF JIANG
CABLE MATTERS, INC.
153 NORTHBORO ROAD
SOUTHBOROUGH, MA. 01772

CONNORSTONE ENGINEERING INC.
CIVIL ENGINEERS AND LAND SURVEYORS
10 SOUTHWEST CUTOFF, SUITE 7
NORTHBOROUGH, MASSACHUSETTS 01532
PHONE: 508-393-9727 FAX: 508-393-5242

EXISTING CONDITIONS PLAN
OF
1 LYMAN STREET
IN
NORTHBOROUGH, MA

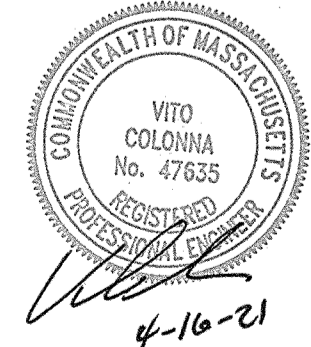
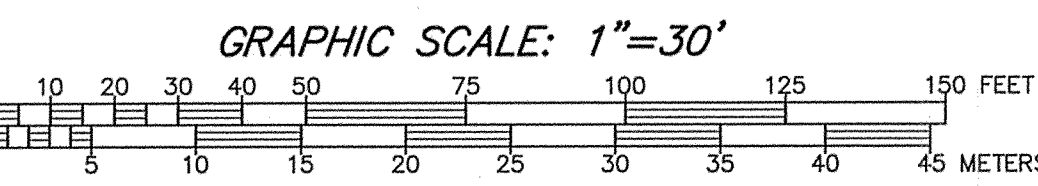
4/16/2021	BUILDING EDITS
3/24/2021	DESIGN REVIEW/BLDG. EDITS
2/16/2021	DESIGN REVIEW EDITS
3/20/2020	DESIGN EDITS
REVISED:	DESCRIPTION:
DRAWN BY: REM	CHECK BY: VC
DATE: FEBRUARY 19, 2020	
SCALE: 1"=30'	SHEET 2 OF 5.

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 CONTACT DIG SAFE: 1-800-344-7233 (72 HOURS BEFORE DIGGING), AND TOWN DPW FOR UTILITY LOCATIONS PRIOR TO EXCAVATION.

SITE DEMOLITION NOTES:

- EXISTING RESIDENTIAL DWELLINGS AND SHEDS SHALL BE RAZED.
- EXISTING WATER SERVICE SHALL BE ABANDON PER THE NORTHBOROUGH DEPARTMENT OF PUBLIC WORKS RULES AND REGULATIONS. EXISTING GAS (IF ANY), ELEC, CATV CONNECTIONS SHALL BE ABANDONED PER UTILITY COMPANY REQUIREMENTS.
- EXISTING SEPTIC SYSTEM SHALL BE LOCATED PRIOR TO CONSTRUCTION AND ABANDONED PER BOARD OF HEALTH REQUIREMENTS.
- DISPOSAL OF DEMOLITION ITEMS SHALL BE OFF SITE AND IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS. NO MATERIALS SHALL BE BURIED ON-SITE. ITEMS SHOWN ON THE PLANS TO BE REMOVED AND STOCKPILED FOR REUSE SHALL NOT BE STOCKPILED WITHIN TRAVEL WAYS OR ABOVE UNDERGROUND UTILITIES.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL REMOVAL OR ABANDONMENT OF UTILITIES WITH THE APPROPRIATE UTILITIES COMPANY.

- SOIL LOGS**
- DTH-1 (4-8-15)
0-13" FILL
13-25" Ap SL 10YR3/2
25-40" Bw LS 10YR6/8
40-126" C MED. COARSE SAND 10YR5/4
MOTTLES AT 105"
WATER AT 117"
- DTH-2 (4-8-15)
0-29" FILL
29-40" Ap SL 10YR3/2
40-55" Bw LS 10YR6/8
55-131" C MED. COARSE SAND 10YR5/4
NO WATER, NO MOTTLES
- DTH-3 (4-8-15)
0-12" Ap SL 10YR3/2
12-36" C1 MED. COARSE SAND 10YR5/4
0-29" FILL
36-114" C2 FINE SAND 10YR6/4
NO WATER, NO MOTTLES
- DTH-4 (4-8-15)
0-14" Ap SL 10YR3/2
14-37" Bw SL 10YR6/8
37-89" C1 MED. COARSE SAND 10YR5/4
89-120" C2 FINE SAND 10YR6/4
NO WATER, NO MOTTLES
- DTH-5 (4-8-15)
0-8" Ap SL 10YR3/2
8-24" Bw LS 10YR6/8
24-64" C1 MED. SAND 10YR5/4
64-84" C2 FINE SAND 10YR6/4
MOTTLES AT 64"
WATER AT 66"
- DTH-6 (4-8-15) - ELEV. 277
0-10" Ap SL 10YR3/2
10-26" Bw LS 10YR6/8
26-60" C FINE SAND 10YR6/4
MOTTLES AT 36" (274)
WATER AT 42"
PERM RATE = 47 IN/HR
- DTH-7 (4-8-15) - ELEV. 275.7
0-12" Ap SL 10YR3/2
12-32" Bw LS 10YR6/8
32-49" C FINE SAND 10YR6/4
MOTTLES AT 20" (274)
WATER AT 24"



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 CONTACT DIG SAFE: 1-800-344-7233 (72 HOURS BEFORE DIGGING), AND TOWN DPW FOR UTILITY LOCATIONS PRIOR TO EXCAVATION.

BARTLETT ST. COUNTY L.O. 1960

LEGEND

- UTILITY POLE & GUY WIRE
- CHAIN LINK FENCE
- LIGHTPOST
- CATCH BASIN
- VERTICAL BENCHMARK
- EDGE OF PAVEMENT
- APPROX. WATERLINE
- HYDRANT
- WATERGATE
- APPROX. GAS LINE
- GAS GATE
- TRELLINE
- SPOT GRADE
- OVERHEAD WIRE
- UNDERGROUND ELECTRIC
- PROPOSED WALL
- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- PROPOSED DOWNSPOUT
- MAJOR TREES

N/F
35 LYMAN, LLC.
MAP 66, PARCEL 12
DEED BK. 43125, PG. 373

PARKING REQUIREMENTS:

- INDUSTRIAL USES:**
- OFFICE: 1 SPACE / 300 S.F. MINIMUM
1 SPACE / 200 S.F. MAXIMUM
 - WAREHOUSE:
1 SPACE / 1500 S.F. MINIMUM
1 SPACE / 1000 S.F. MAXIMUM
- PROPOSED USES:**
- 6,000 S.F. OFFICE
 - 17,000 S.F. WAREHOUSE
 - MINIMUM SPACES REQUIRED = 32
 - MAXIMUM SPACES ALLOWED = 47
 - TOTAL SPACES PROPOSED = 43

DRAINAGE TABULATION

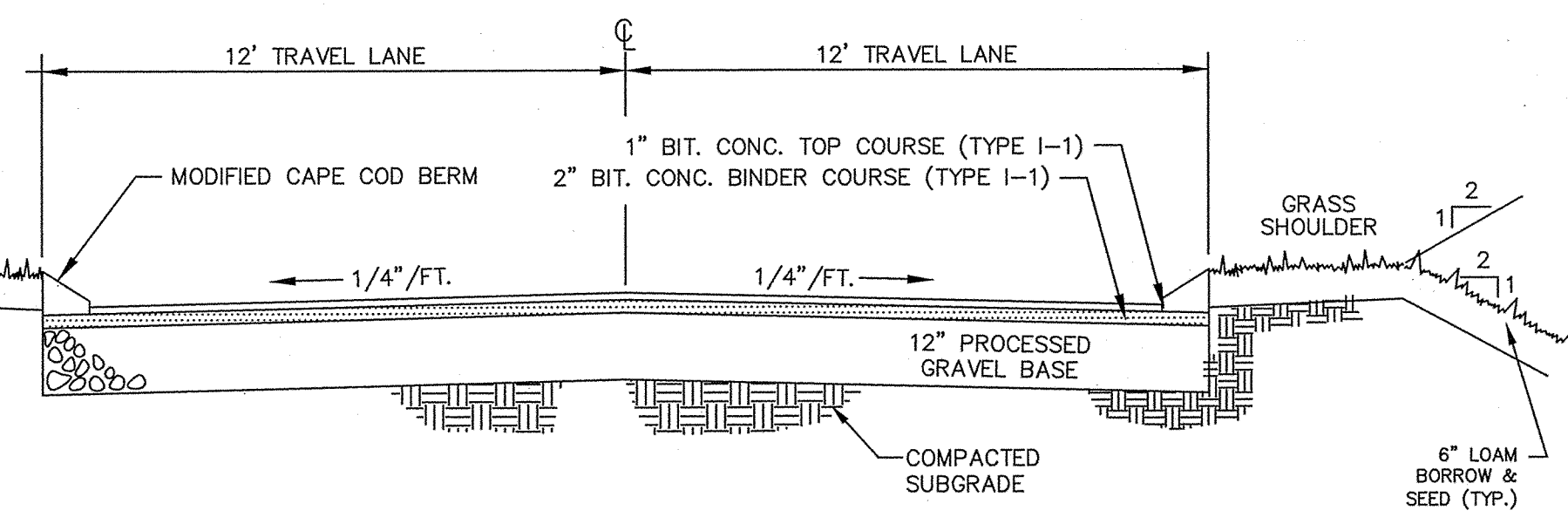
CB-1 RIM=283.5 12" OUT=280.5	STC-4501 RIM=280.6 12" IN=277.4 (DMH-1) 12" IN=277.4 (DI-1) 15" OUT=277.15
CB-2 RIM=282.4 12" OUT=279.4	15" FE OUT=277.00
CB-3 RIM=281.25 12" OUT=278.25	DRYWELL-1 (15) CULTEC 330XLHD CHAMBERS W/ 6.5" WIDE X 108" LONG STONE BED BOTTOM OF STONE=277.0 BOTTOM OF CHAMBER=276.5 6" IN=279.5
DMH-1 RIM=282.55 12" IN=279.25 (CB-1) 12" IN=279.25 (CB-2) 12" OUT=279.15 (DMH-2)	DRYWELL-1 (15) CULTEC 330XLHD CHAMBERS W/ 17" WIDE X 38" LONG STONE BED BOTTOM OF STONE=278.0 BOTTOM OF CHAMBER=278.5 6" IN=280.5
DMH-2 RIM=281.35 12" IN=278.10 (CB-3) 12" IN=278.10 (DMH-1) 12" OUT=278.0 (STC)	
DI-1 RIM=280.3 12" OUT=277.8	

MAP 66, PARCEL 11
AREA=88,985 S.F.
(2.0± ACRES)

N/F
THE NORTHBOROUGH LAND REALTY TRUST
ARTURO GUTIERREZ & JOHN CATALDO, TRUSTEES
MAP 66, PARCEL 8
DEED BK. 23107, PG. 356

BENCHMARK
NAIL-S, UP#3/3
ELEV.=280.03
(NAVD 1988)

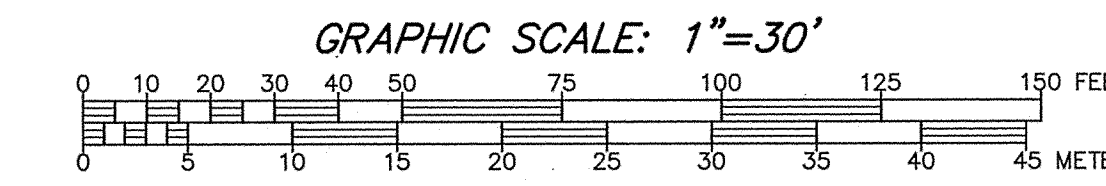
6" LOAM
BORROW &
SEED (TYP.)



TYPICAL DRIVEWAY SECTION
NOT TO SCALE

SEPTIC SYSTEM DESIGN CALCULATION:

DESIGN FLOW = 800 GALLONS/DAY (GPD)
DESIGN PERC. RATE = 2 MPI
6 TRENCHES AT 31' LONG
SURFACE AREA = 6 S.F. / L.F. = 6x31x6 = 1116 S.F.
1116 S.F. x 0.74 GPD/SF = 825 GPD
ESTIMATED DOMESTIC WATER DEMAND = 800 GALLONS PER DAY



GENERAL NOTES:

1. EXISTING TOPOGRAPHY IS BASED UPON AN ON-GROUND TOPOGRAPHICAL SURVEY BY CONNORSTONE ENGINEERING, INC. IN OCTOBER 2014. TBM=280.03 LOCATED ON UTILITY POLE #3/3 IN LYMAN STREET. ELEVATIONS REFER TO NAVD 1988.
2. THE PARCEL IS LOCATED AT 1 LYMAN STREET, AS SHOWN ON ASSESSORS MAP 66, PARCEL 9,10 & 11. PROPERTY LINES ARE BASED UPON EXISTING PLANS AND DEEDS OF RECORD AND DOES NOT REPRESENT A PROPERTY SURVEY.
3. A PORTION OF THE SITE IS LOCATED WITHIN A FLOOD HAZARD ZONE AS SHOWN ON FEMA F.I.R.M. 25027C0653F DATED JULY 16, 2014.

ZONED: INDUSTRIAL
AREA = 60,000 sf
FRONTAGE = 150 feet
SETBACKS: FRONT = 40 feet
SIDE = 20 feet
REAR = 25 feet
MAXIMUM LOT COVERAGE = 50%
MINIMUM OPEN SPACE = 25%
GROUNDWATER OVERLAY
PROTECTION DISTRICT -1

OWNER:

IAN A. GOW
146 BOSTON ROAD
SOUTHBOROUGH, MA. 01772

THE BLACK STONE TRUST
IAN A. GOW, Trustee
146 BOSTON ROAD
SOUTHBOROUGH, MA. 01772

ASSESSORS MAP 66, PARCEL 9,10,11

PREPARED FOR:

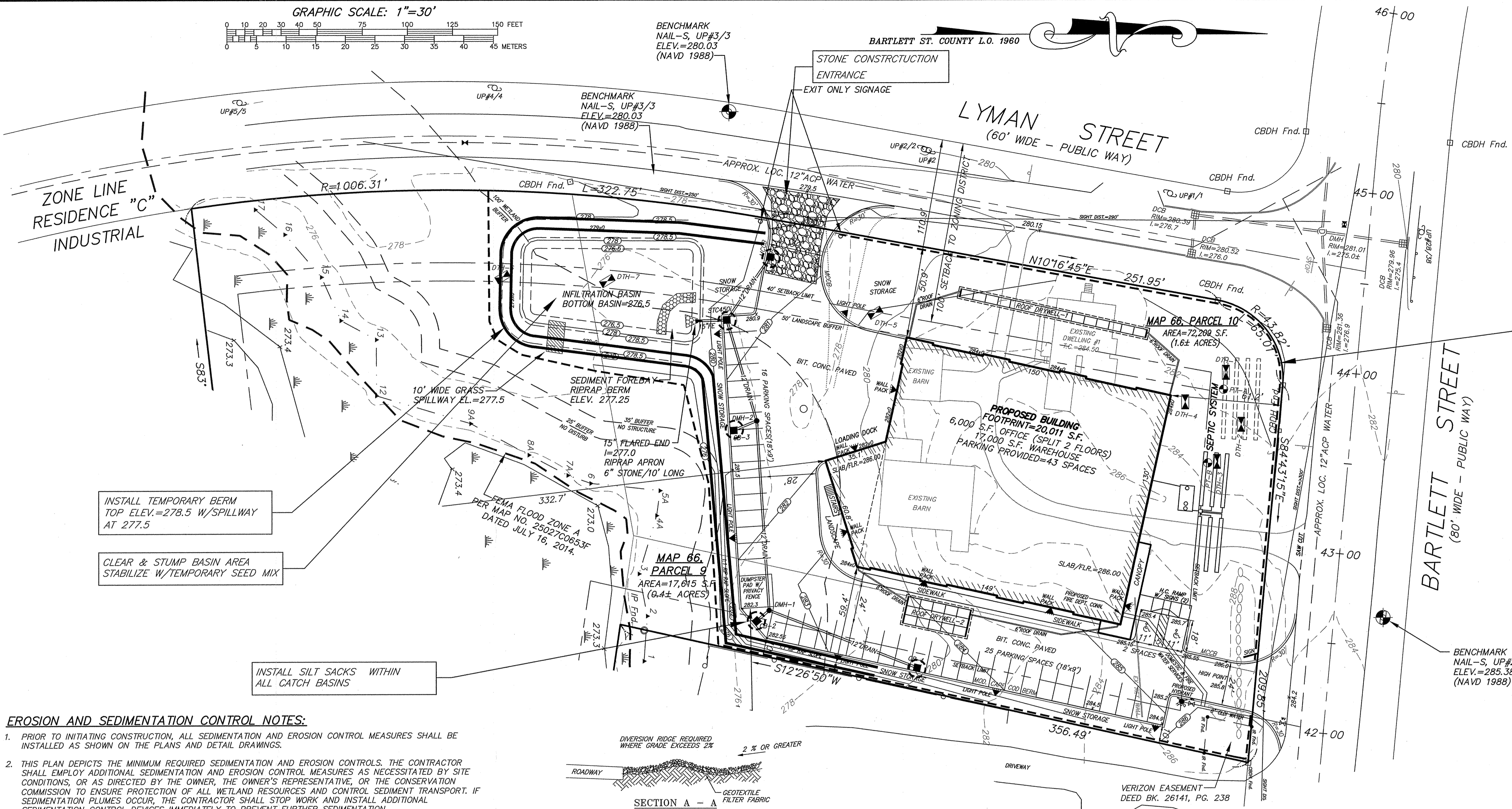
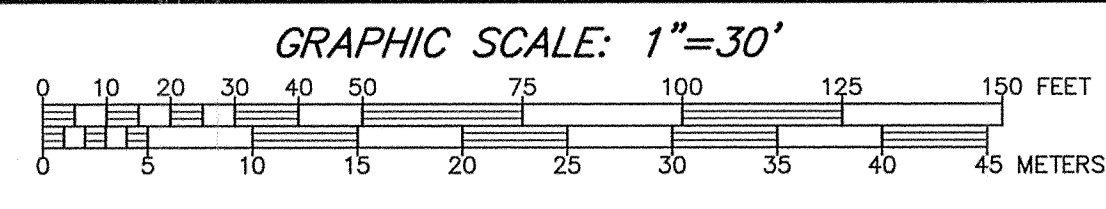
JEFF JIANG
CABLE MATTERS, INC.
153 NORTHBORO ROAD
SOUTHBOROUGH, MA. 01772

CONNORSTONE ENGINEERING INC.
CIVIL ENGINEERS AND LAND SURVEYORS
10 SOUTHWEST CUTOFF, SUITE 7
NORTHBOROUGH, MASSACHUSETTS 01532
PHONE: 508-393-9727 FAX: 508-393-5242

PROPOSED SITE PLAN OF 1 LYMAN STREET IN NORTHBOROUGH, MA

4/16/2021	BUILDING EDITS
3/24/2021	DESIGN REVIEW/BLDG. EDITS
2/16/2021	DESIGN REVIEW EDITS
3/20/2020	DESIGN EDITS
REVISED:	DESCRIPTION:
DRAWN BY: REM	CHECK BY: VC
DATE: FEBRUARY 19, 2020	
SCALE: 1"=30'	SHEET 3 OF 5.





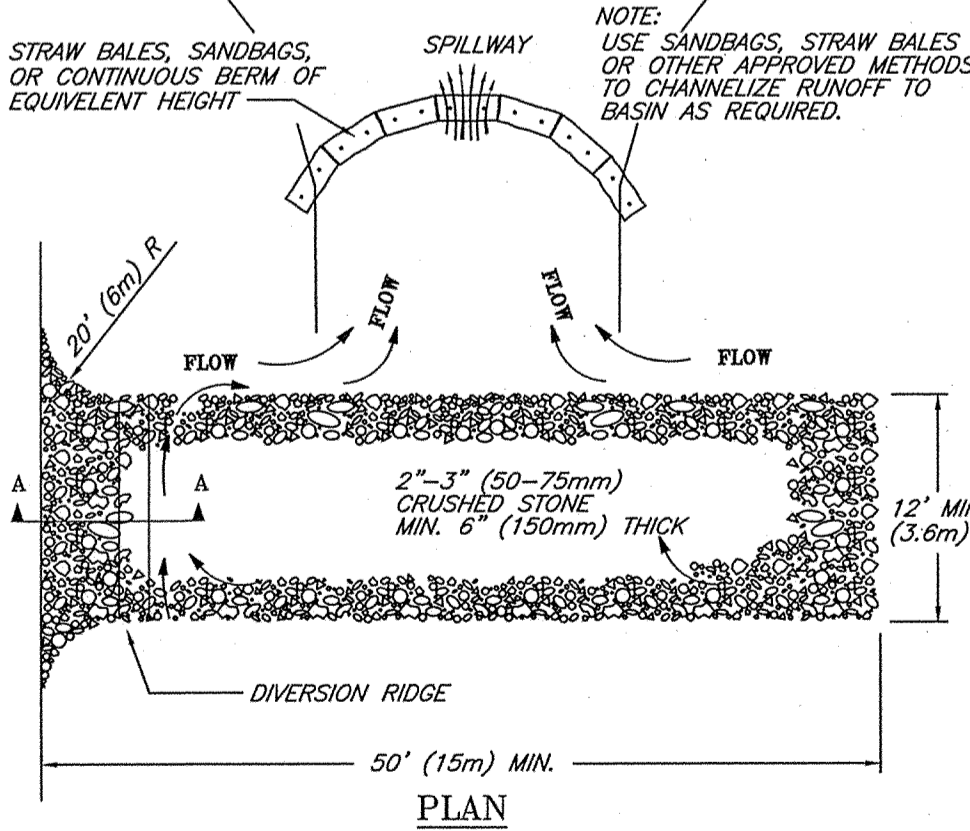
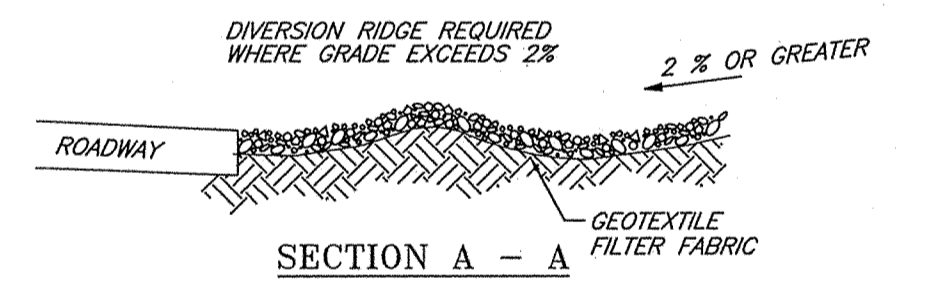
INSTALL TEMPORARY BERM
TOP ELEV.=278.5 W/SPILLWAY
AT 277.5

CLEAR & STUMP BASIN AREA
STABILIZE W/TEMPORARY SEED MIX

INSTALL SILT SACKS WITHIN
ALL CATCH BASINS

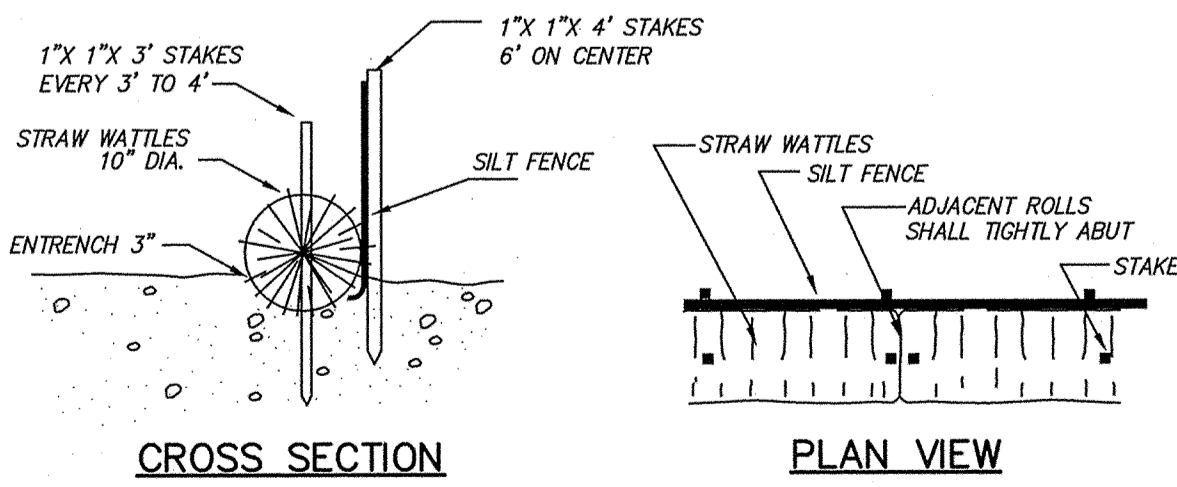
EROSION AND SEDIMENTATION CONTROL NOTES:

- PRIOR TO INITIATING CONSTRUCTION, ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE INSTALLED AS SHOWN ON THE PLANS AND DETAIL DRAWINGS.
- 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.
- 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.
- THE CONTRACTOR SHALL INSPECT SEDIMENTATION AND EROSION CONTROLS ON A DAILY BASIS; 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 HAYBALE OR SEDIMENT TRAP, OR AS DIRECTED BY THE LOCAL AUTHORITY.
- SOIL STOCKPILES SHALL BE STABILIZED TO PREVENT EROSION, AND A PERIMETER SEDIMENT CONTROL SYSTEM SHALL BE INSTALLED. NO MATERIALS SUBJECT TO EROSION SHALL BE STOCKPILED OVERNIGHT WITHIN 100 FEET OF A WETLAND UNLESS COVERED.
- 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.
- 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.
- SEDIMENT BARRIERS SHALL BE INSTALLED ALONG THE EDGE OF PROPOSED DEVELOPMENT OR AS INDICATED ON THE PLANS. ADDITIONAL HAYBALES AND SILT FENCE SHALL BE LOCATED AS CONDITIONS WARRANT, AND IN SOME AREAS HAYBALE/SILT FENCING STRUCTURES MAY HAVE TO BE DUPLICATED AT REGULAR INTERVALS UP GRADIENT OF WETLANDS.
- 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.
- ALL EXISTING AND PROPOSED DRAINAGE SYSTEM INLETS, WHICH MAY RECEIVE STORMWATER FLOW FROM DISTURBED AREAS, SHALL BE PROVIDED WITH INLET SILT SACKS. THE CONTRACTOR SHALL MAINTAIN THESE DEVICES PER THE MANUFACTURERS RECOMMENDATIONS UNTIL ALL WORK IS COMPLETED AND ALL AREAS HAVE BEEN ADEQUATELY STABILIZED.
- 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.



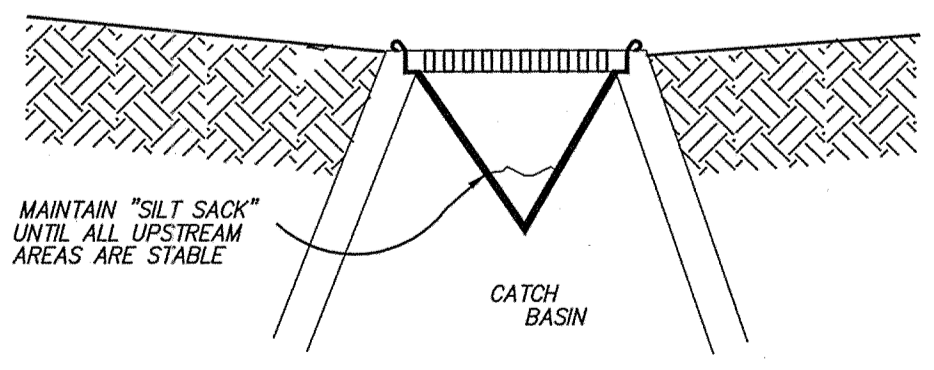
- NOTES:
- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
 - WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
 - 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.
 - STONE APRON SHALL BE REPLACED AS DEPOSITED SOILS BUILD UP.

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT



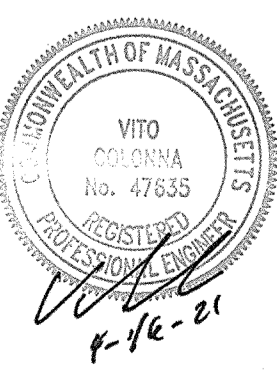
- NOTES:
- STRAW ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 3" DEEP. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.
 - INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.

SEDIMENT BARRIER NOT TO SCALE



- NOTES:
- SILT SACKS ARE TO BE INSPECTED WEEKLY DURING CONSTRUCTION AND IMMEDIATELY AFTER STORM EVENTS.
 - IF SILT SACKS ARE MORE THAN 1/3RD FULL, THEY SHALL BE EMPTIED IMMEDIATELY. CAPTURED SILT SHALL BE RETAINED ON SITE AND REUSED.

SILT SACK OR EQUAL SEDIMENT CONTAINMENT SYSTEM NOT TO SCALE



OWNER:
IAN A. GOW
146 BOSTON ROAD
SOUTHBOROUGH, MA. 01772

THE BLACK STONE TRUST
IAN A. GOW, Trustee
146 BOSTON ROAD
SOUTHBOROUGH, MA. 01772

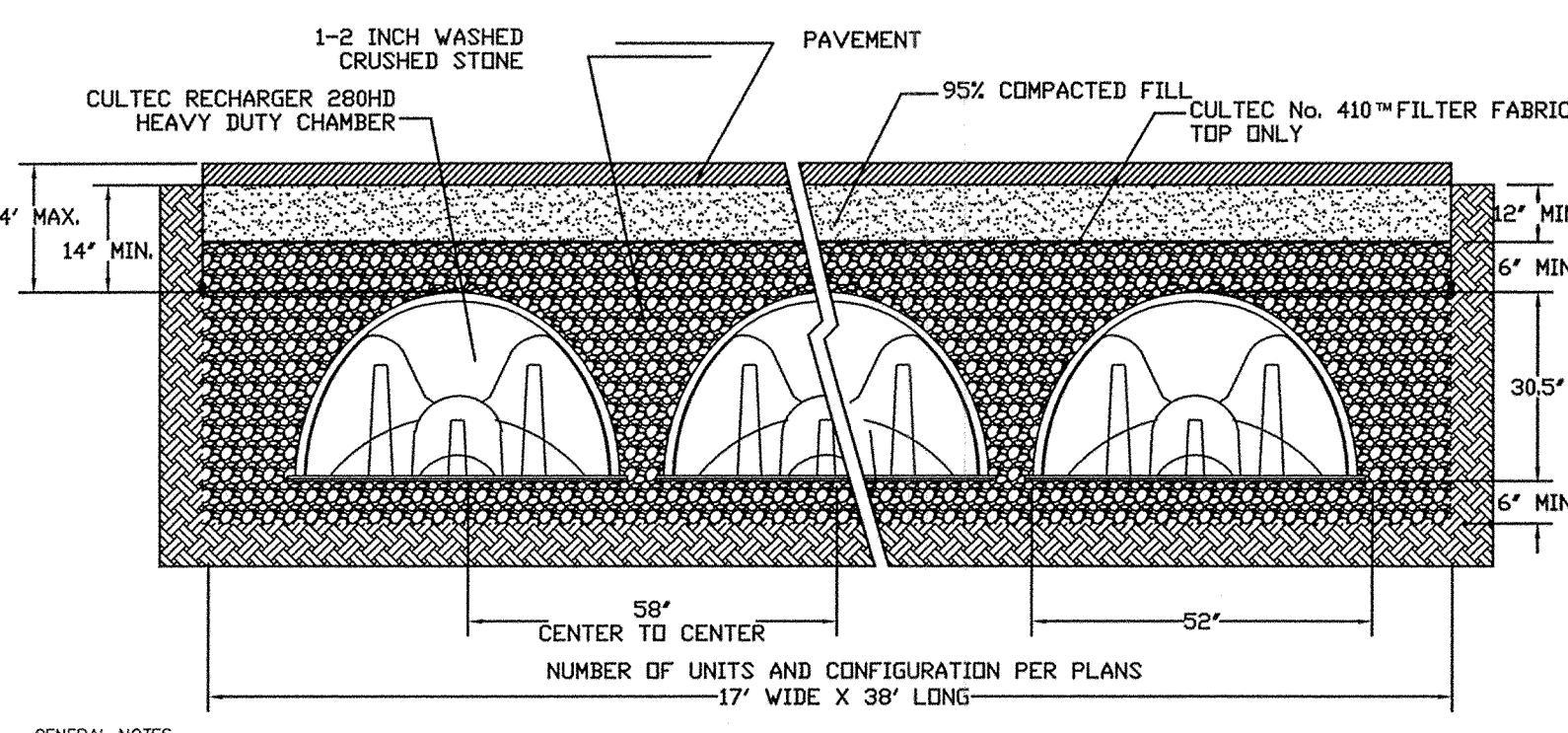
ASSESSORS MAP 66, PARCEL 9,10,11

PREPARED FOR:
JEFF JIANG
CABLE MATTERS, INC.
153 NORTHBORO ROAD
SOUTHBOROUGH, MA. 01772

CONNORSTONE ENGINEERING INC.
CIVIL ENGINEERS AND LAND SURVEYORS
10 SOUTHWEST CUTOFF, SUITE 7
NORTHBOROUGH, MASSACHUSETTS 01532
PHONE: 508-393-9727 FAX: 508-393-5242

EROSION CONTROL PLAN OF 1 LYMAN STREET IN NORTHBOROUGH, MA

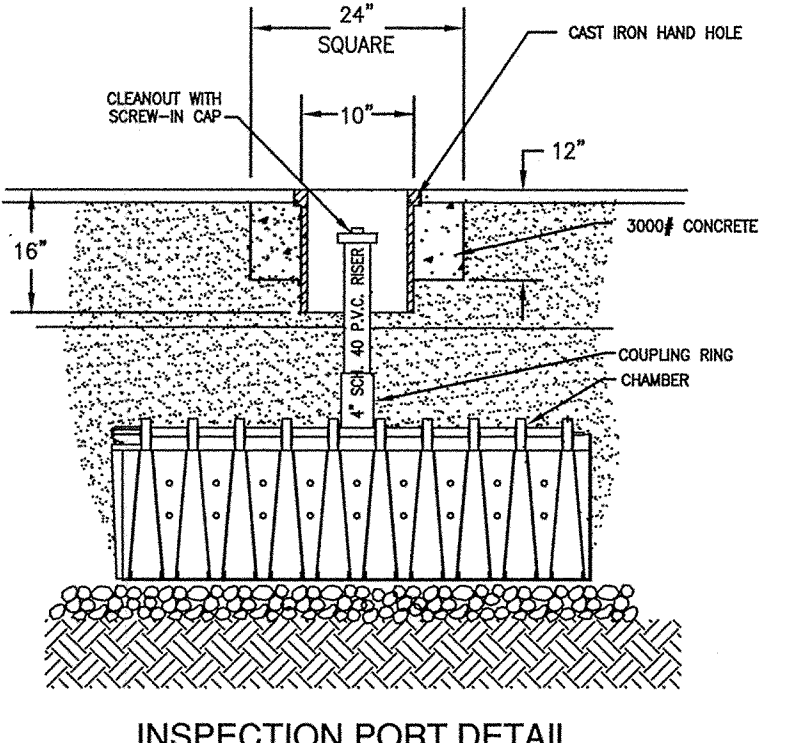
4/16/2021	BUILDING EDITS
3/24/2021	DESIGN REVIEW/BLDG. EDITS
2/16/2021	DESIGN REVIEW EDITS
3/20/2020	DESIGN EDITS
REVISED:	DESCRIPTION:
DRAWN BY: REM	CHECK BY: VC
DATE: FEBRUARY 19, 2020	
SCALE: 1"=30'	SHEET 4 OF 5



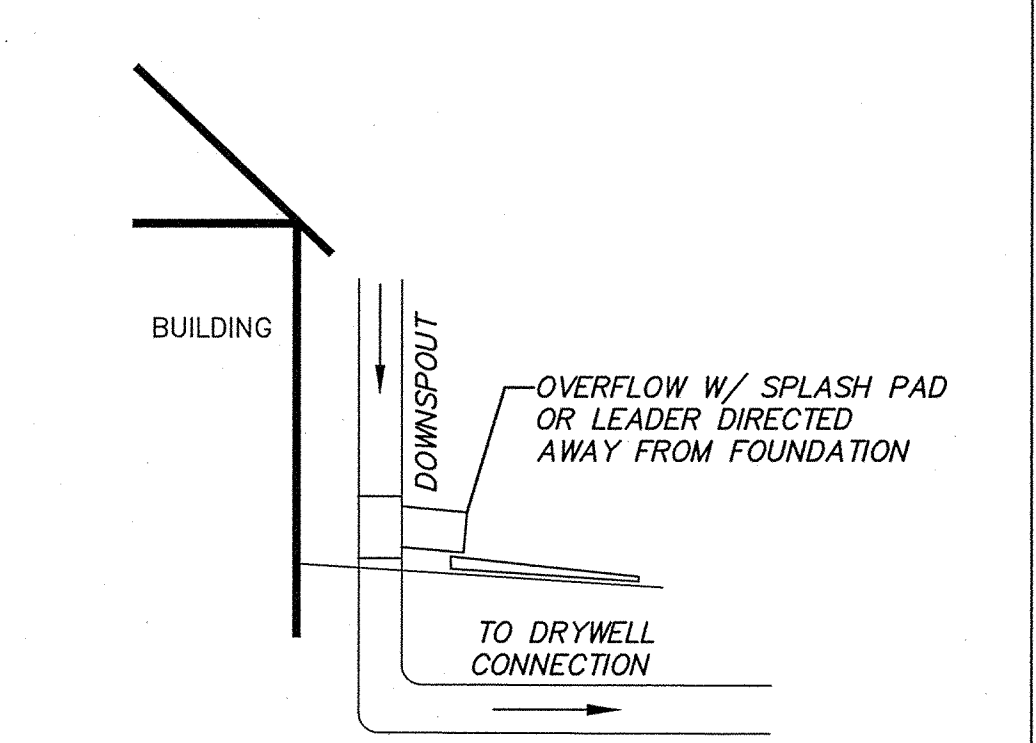
CULTEC, Inc.
P.O. Box 280
878 Federal Road
Brookfield, CT 06804 USA

PH (203) 775-4416
PH (800) 4-CULTEC
FX (203) 775-1462
www.cultec.com

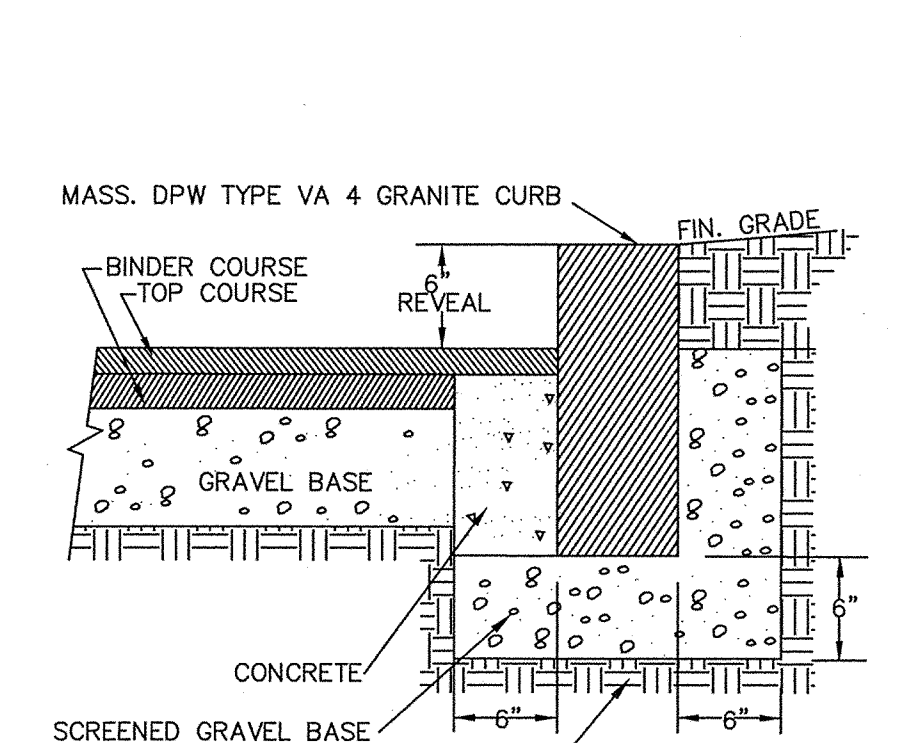
CULTEC Contactor® and Recharger®
Plastic Septic and Stormwater Chambers
DATE SCALE FILENAME
LUI5



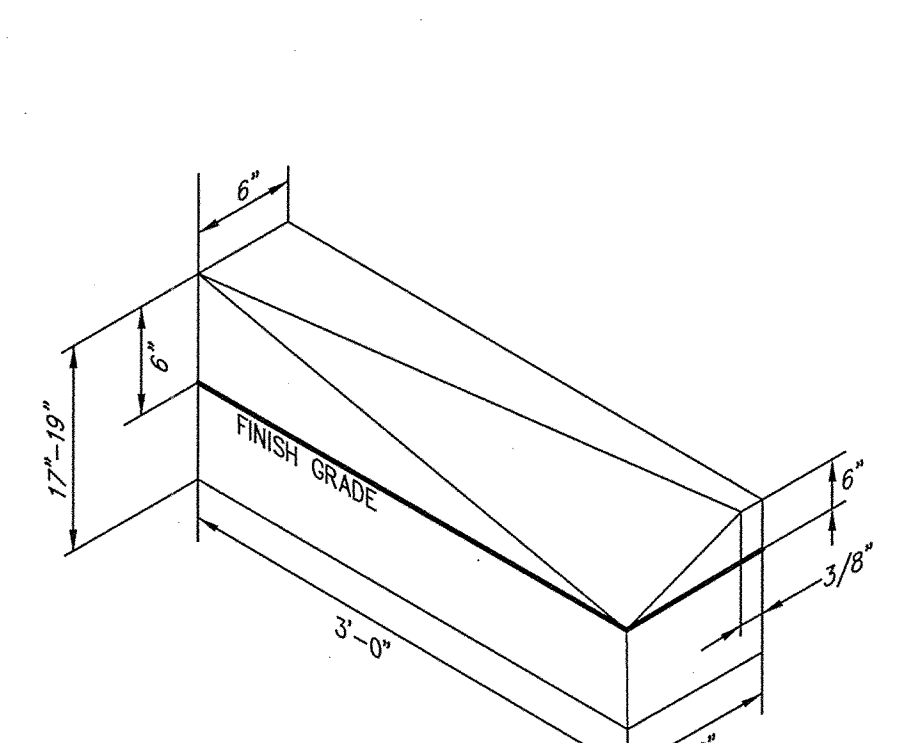
**CULTEC RECHARGER 330HD CHAMBER SYSTEM
PAVED TRAFFIC APPLICATION
TYPICAL CROSS SECTION DETAIL**
NOT TO SCALE



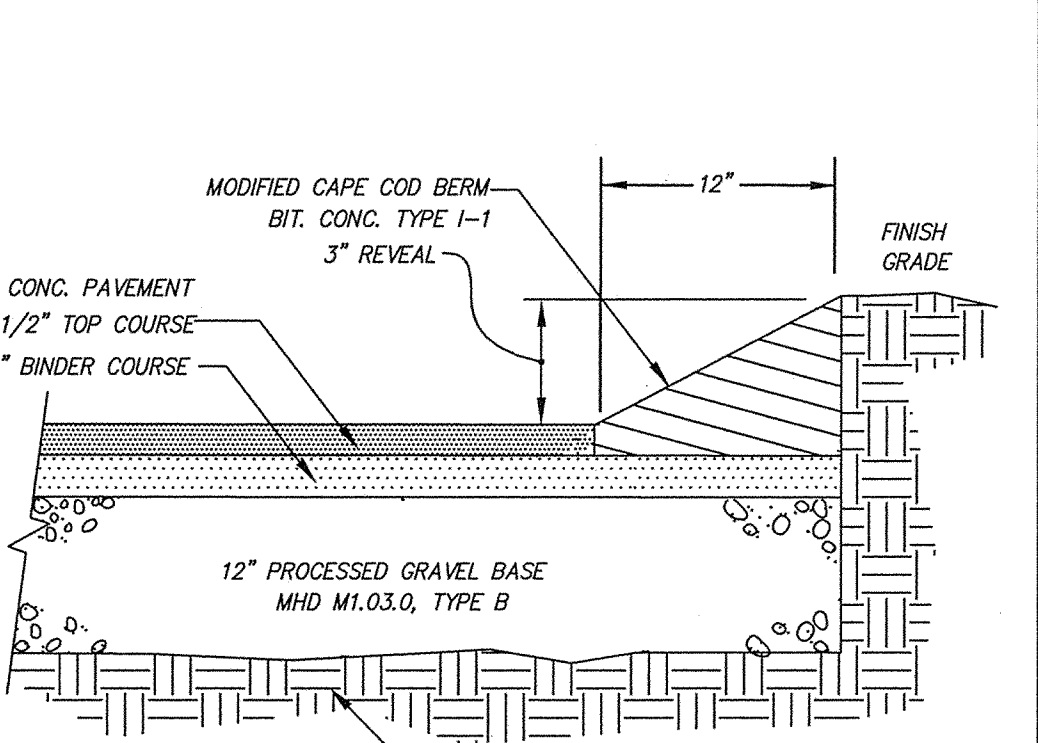
**ROOF GUTTER
CONNECTION SCHEMATIC**
NOT TO SCALE



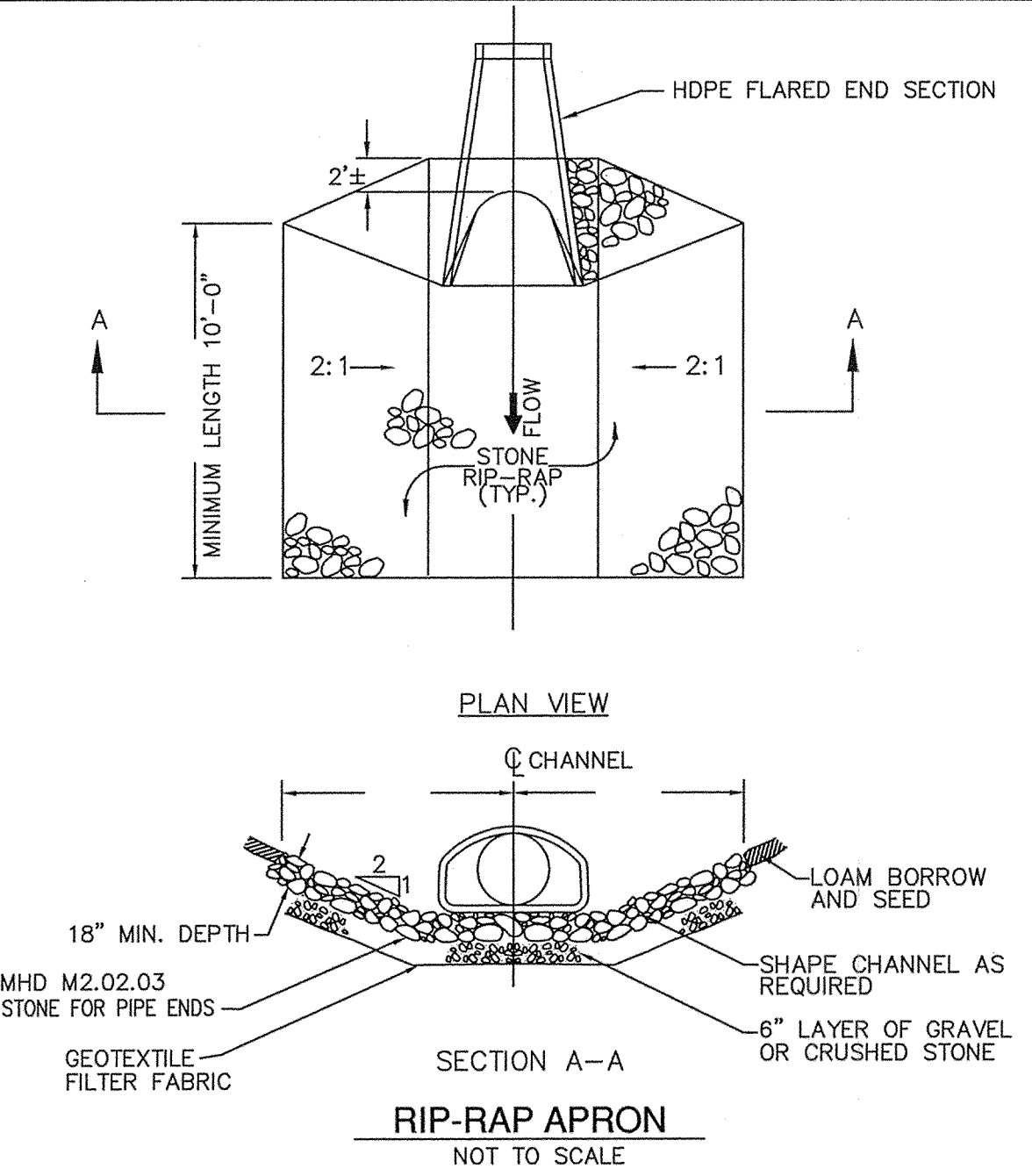
VERTICAL GRANITE CURB
NOT TO SCALE



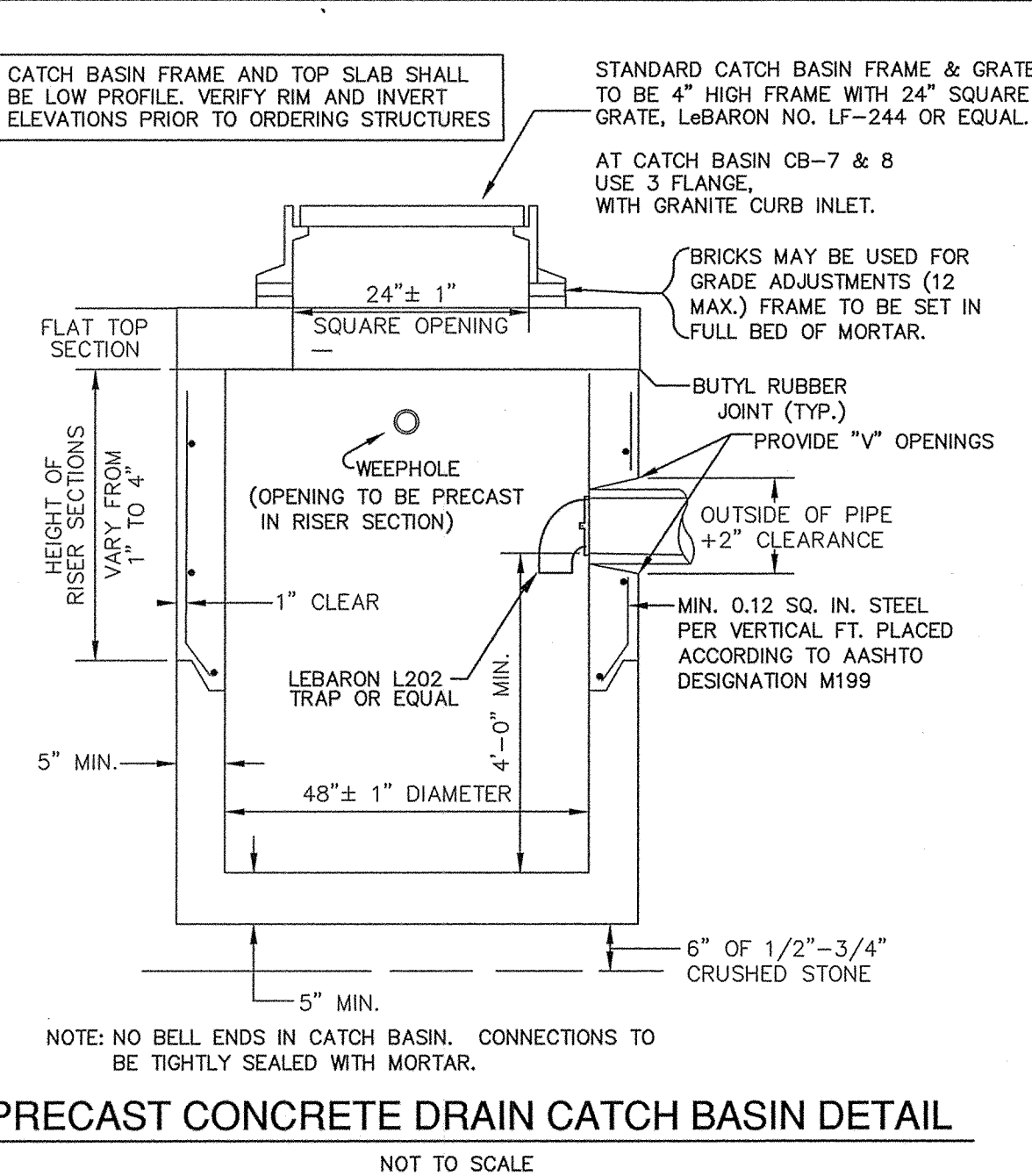
**TRANSITION STONE
CURB INLET TO MODIFIED BERM**
NOT TO SCALE



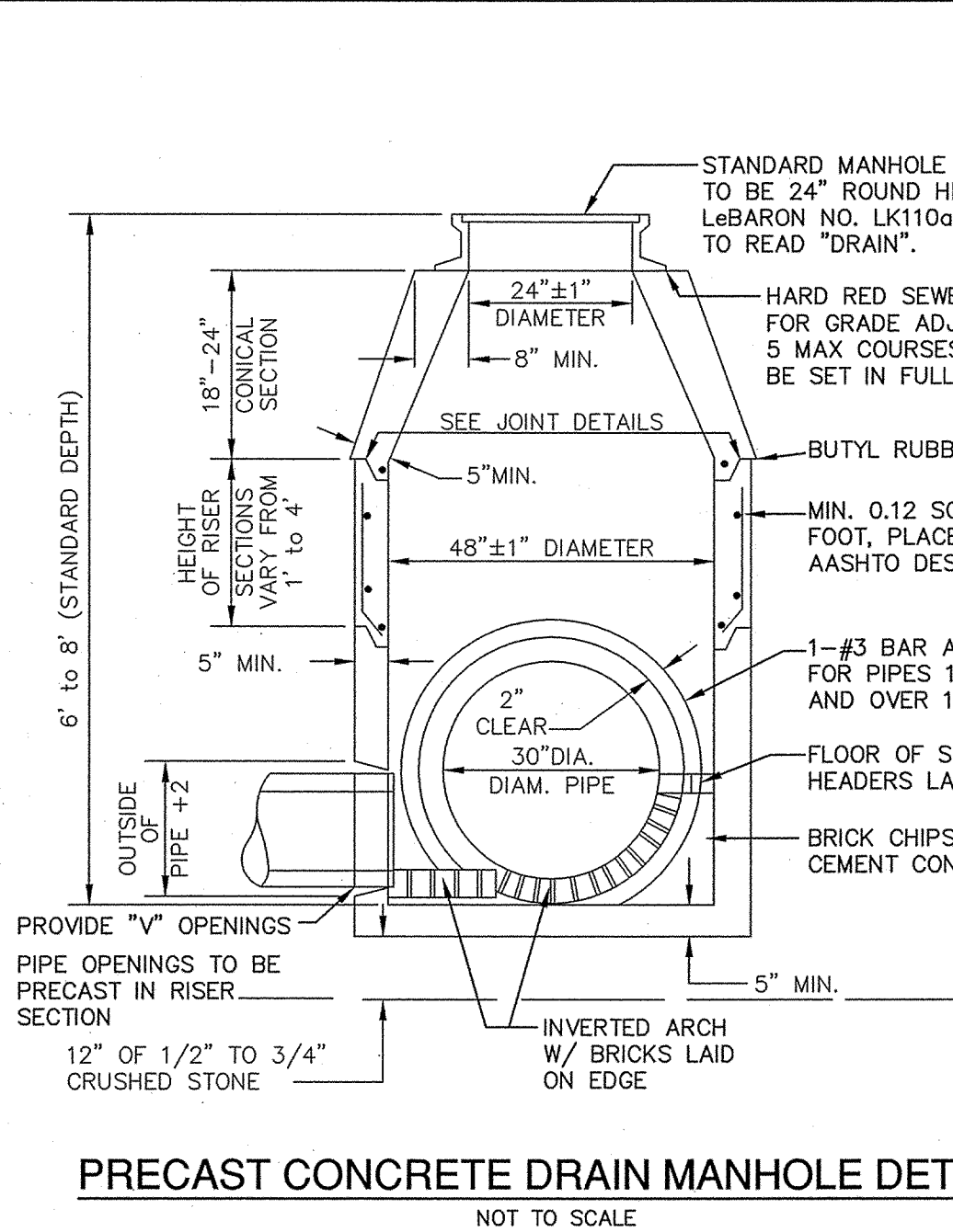
**MODIFIED CAPE COD BERM
& TYPICAL PAVEMENT SECTION**
NOT TO SCALE



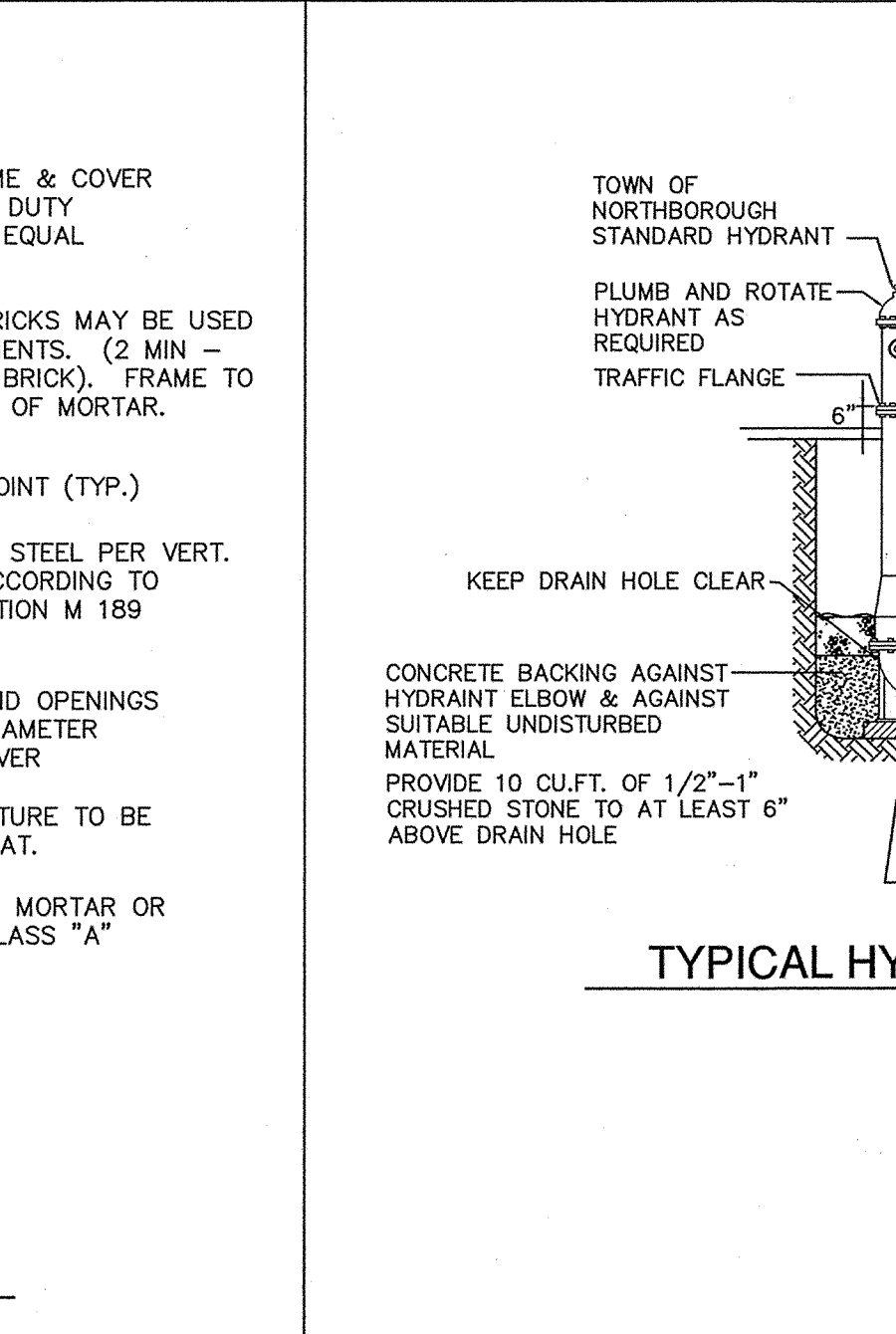
RIP-RAP APRON
NOT TO SCALE



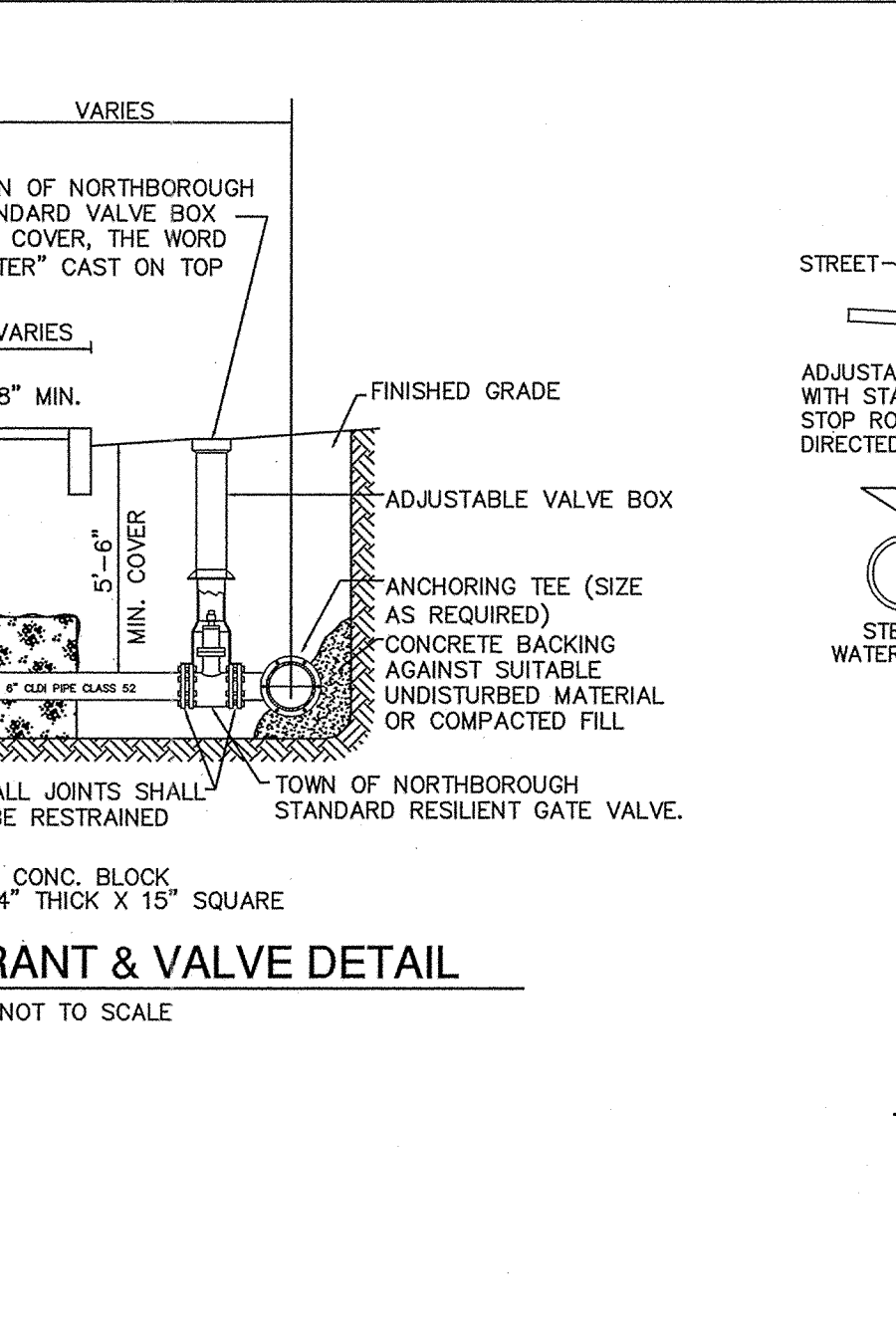
PRECAST CONCRETE DRAIN CATCH BASIN DETAIL
NOT TO SCALE



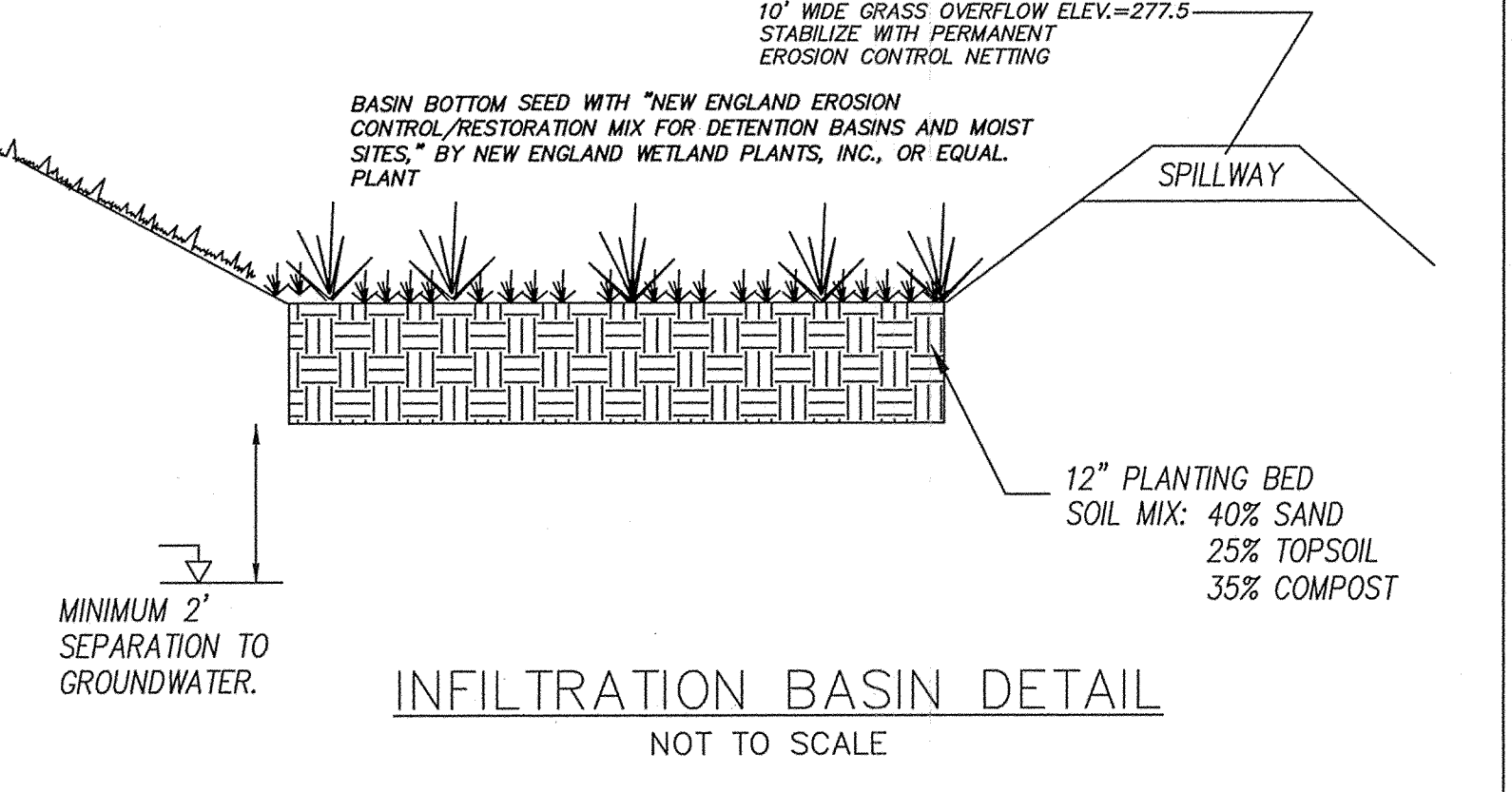
PRECAST CONCRETE DRAIN MANHOLE DETAIL
NOT TO SCALE



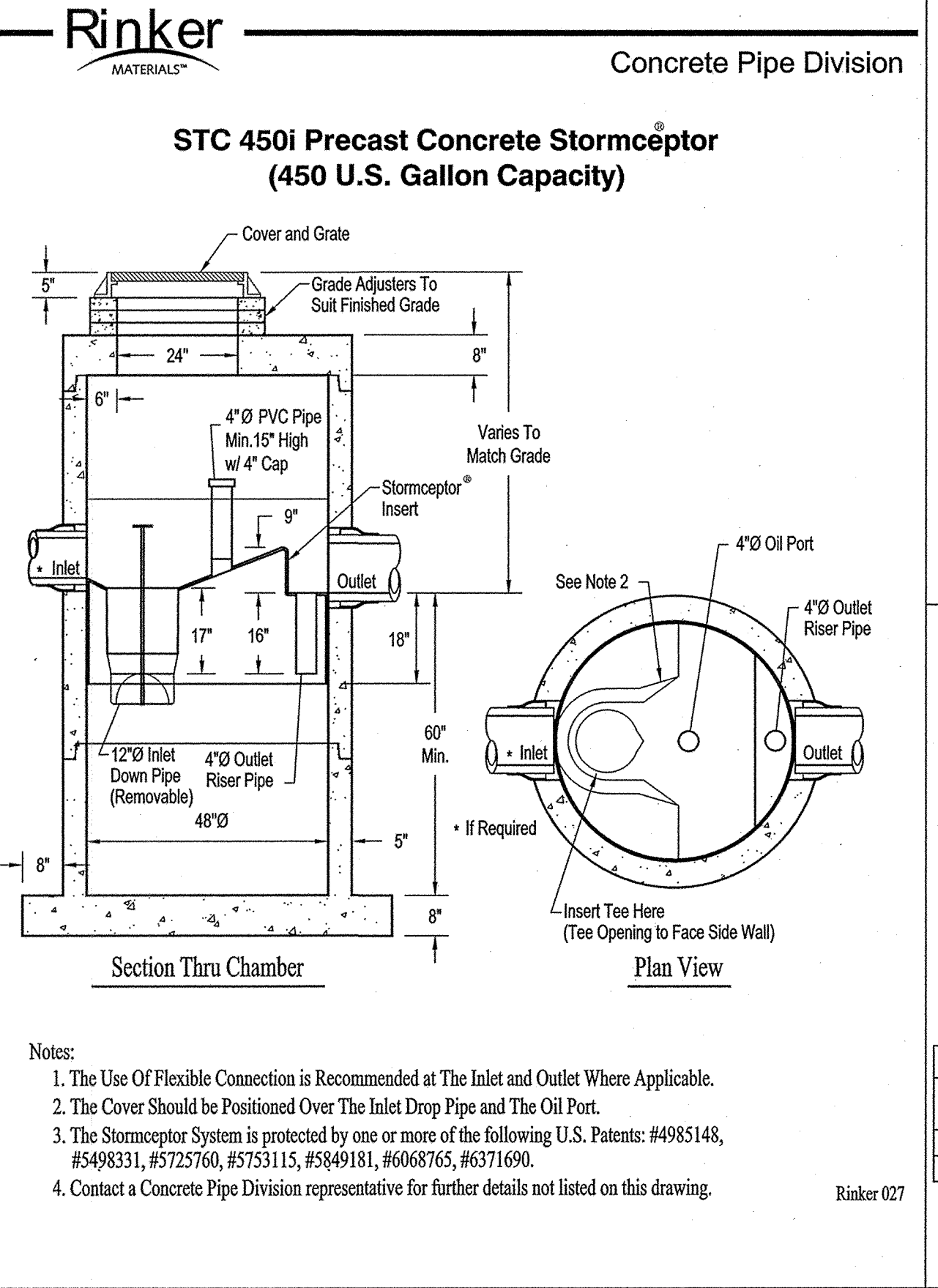
TYPICAL HYDRANT & VALVE DETAIL
NOT TO SCALE



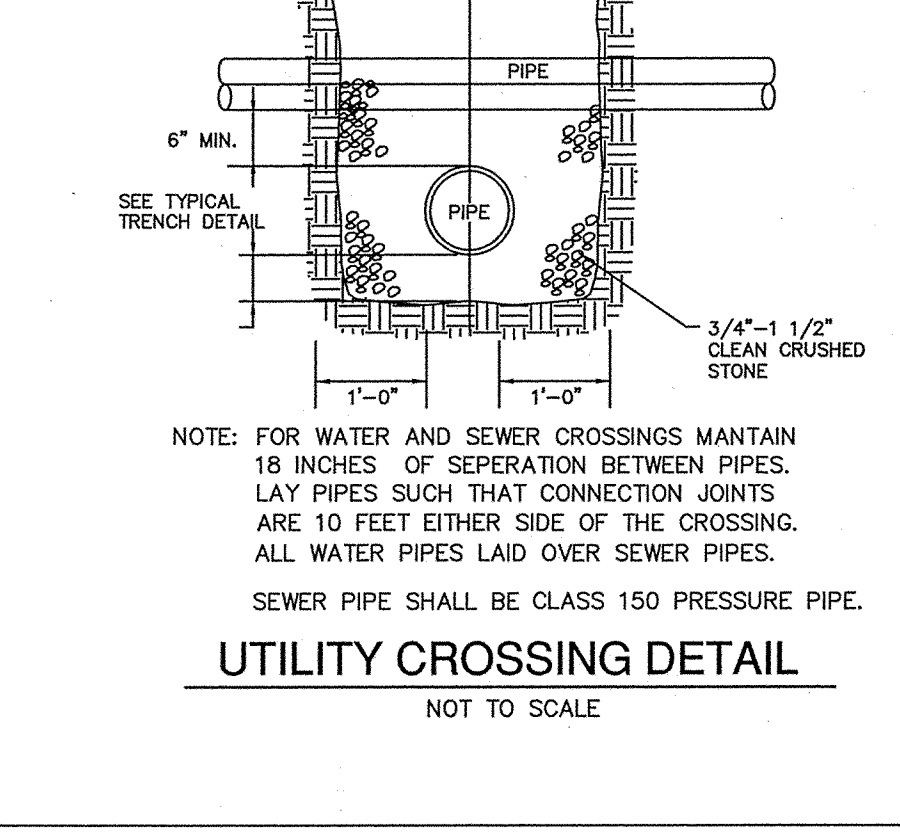
TYPICAL WATER SERVICE CONNECTION
NOT TO SCALE



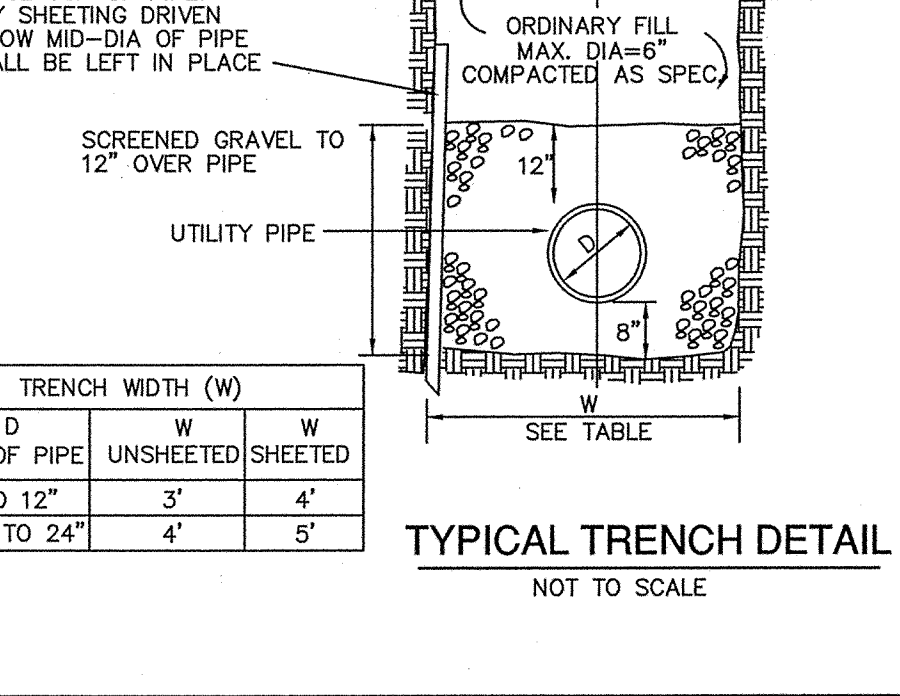
INFILTRATION BASIN DETAIL
NOT TO SCALE



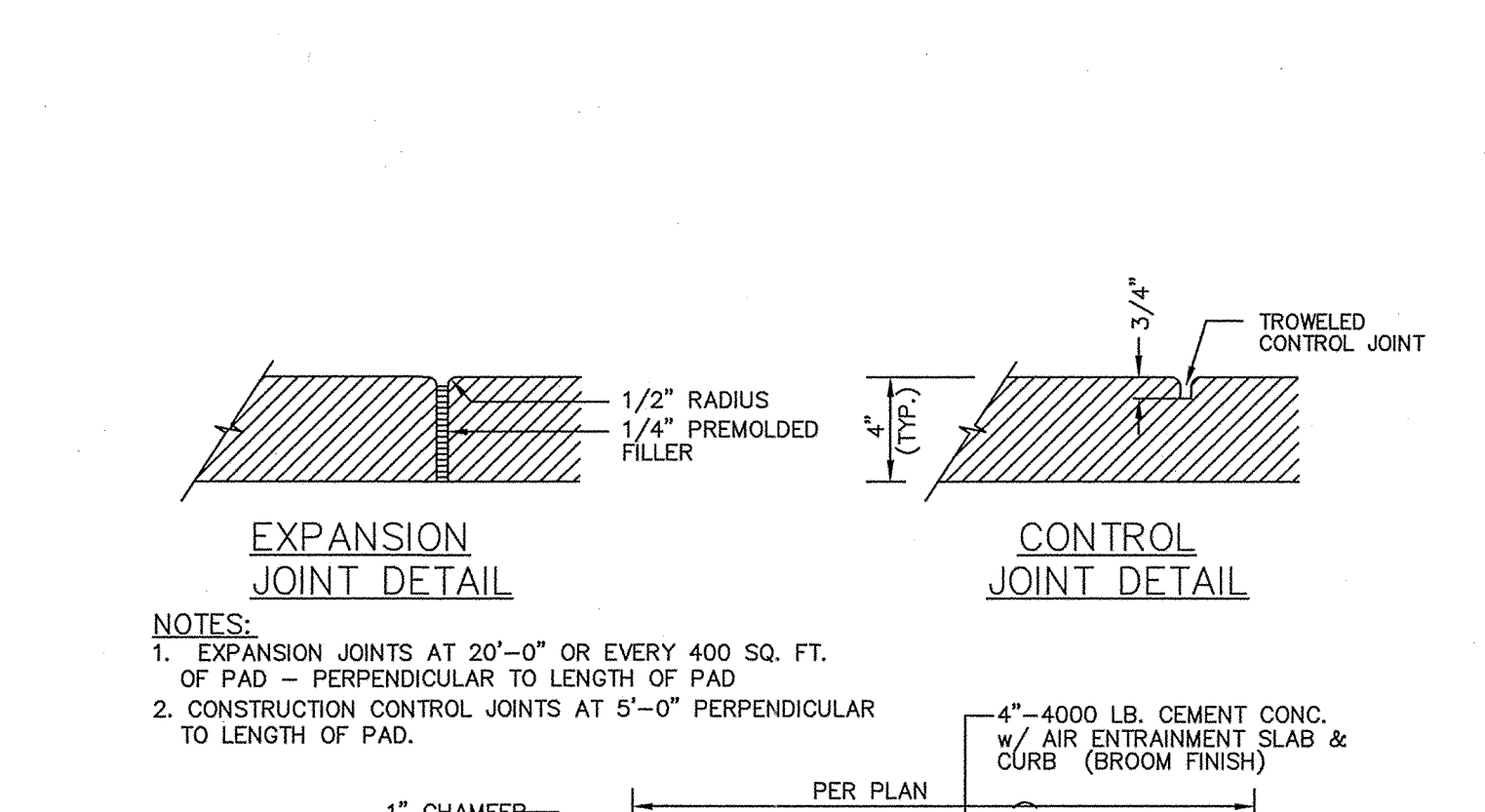
**Rinker
Concrete Pipe Division
STC 450i Precast Concrete Stormceptor
(450 U.S. Gallon Capacity)**
NOT TO SCALE



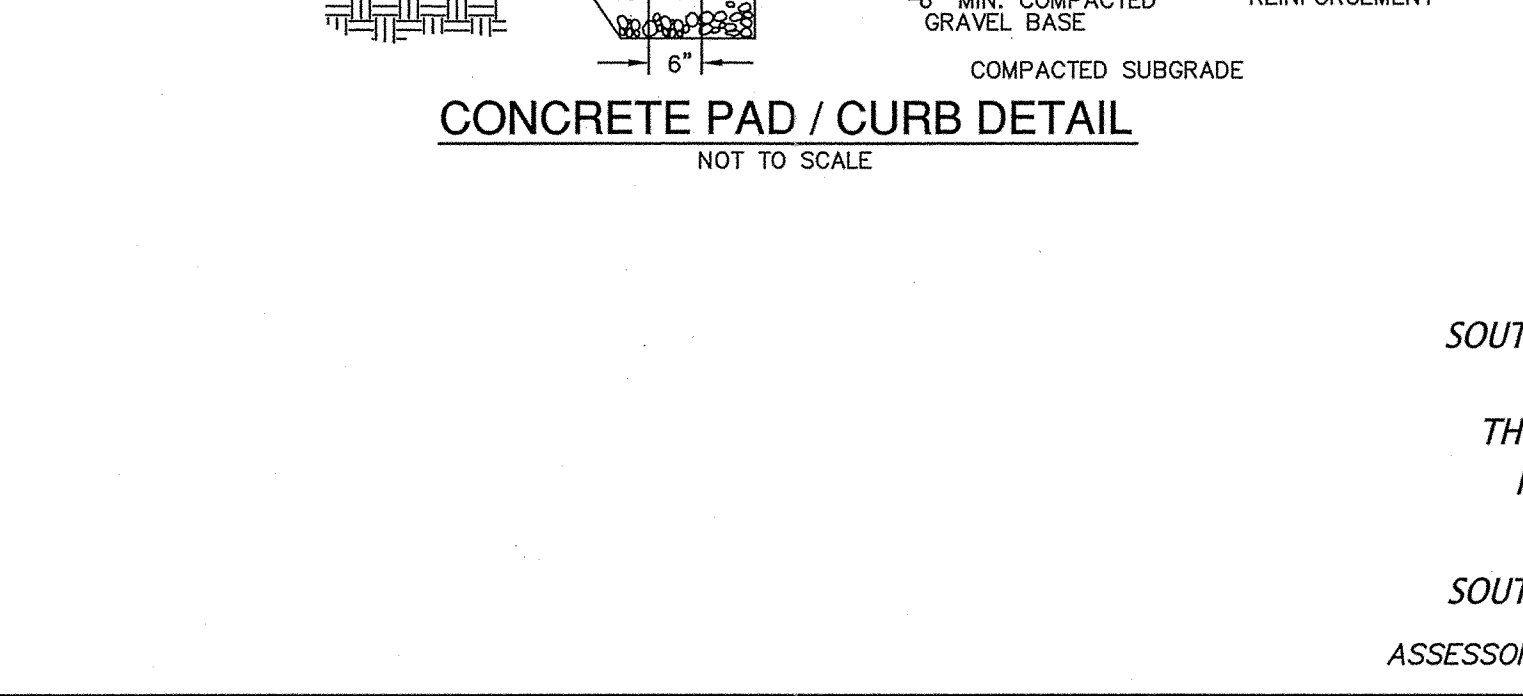
UTILITY CROSSING DETAIL
NOT TO SCALE



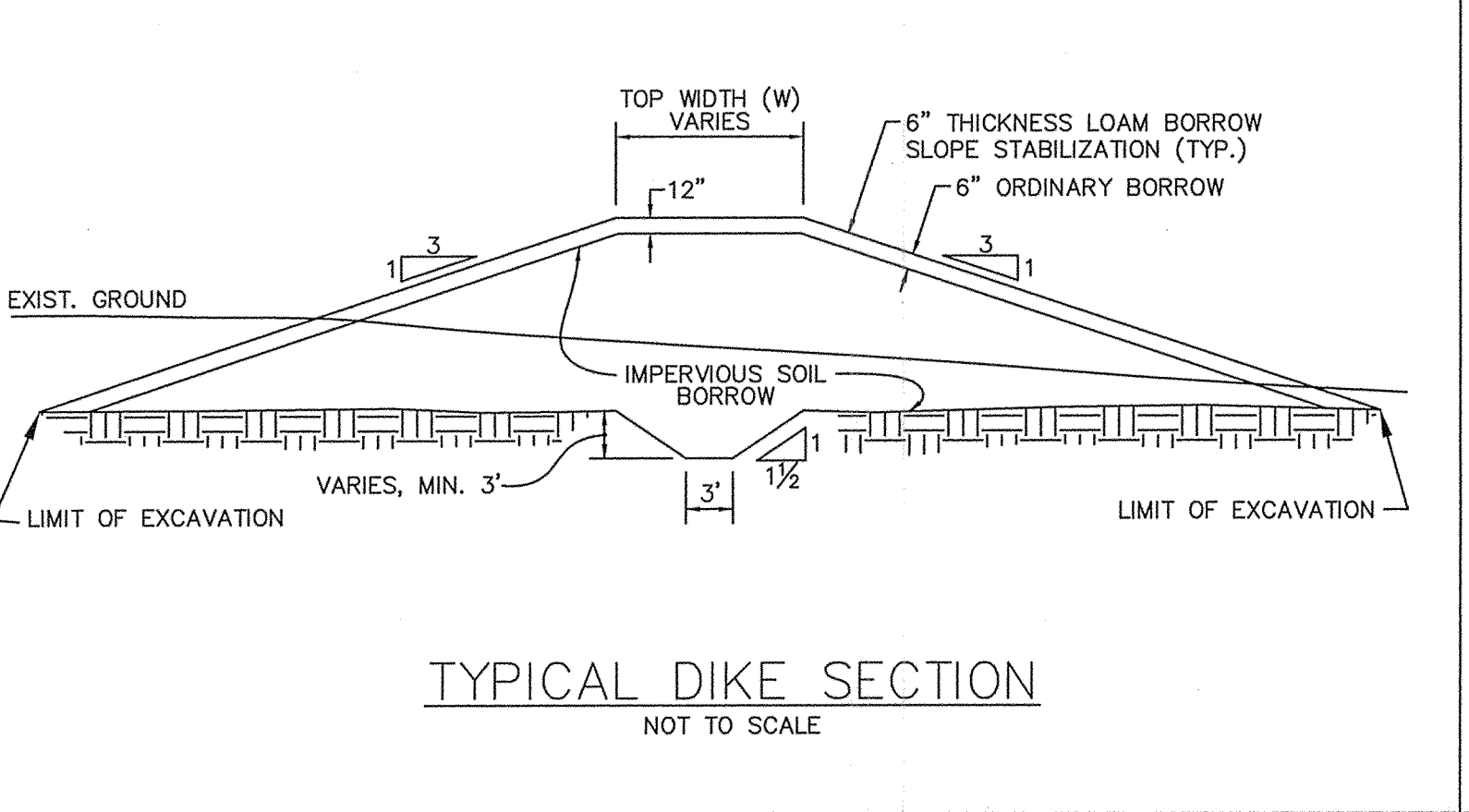
TYPICAL TRENCH DETAIL
NOT TO SCALE



**EXPANSION JOINT DETAIL
CONTROL JOINT DETAIL**
NOT TO SCALE



CONCRETE PAD / CURB DETAIL
NOT TO SCALE



TYPICAL DIKE SECTION
NOT TO SCALE



OWNER:
IAN A. GOW
146 BOSTON ROAD
SOUTHBOROUGH, MA. 01772

THE BLACK STONE TRUST
IAN A. GOW, Trustee
146 BOSTON ROAD
SOUTHBOROUGH, MA. 01772

ASSESSORS MAP 66, PARCEL 9,10,11

PREPARED FOR:
JEFF JIANG
CABLE MATTERS, INC.
153 NORTHBORO ROAD
SOUTHBOROUGH, MA. 01772

**CONNORSTONE
ENGINEERING INC.**
CIVIL ENGINEERS AND LAND SURVEYORS
10 SOUTHWEST CUTOFF, SUITE 7
NORTHBOROUGH, MASSACHUSETTS 01532
PHONE: 508-393-9727 FAX: 508-393-5242

**CONSTRUCTION DETAILS
OF
1 LYMAN STREET
IN
NORTHBOROUGH, MA**

DATE	DESCRIPTION
4/16/2021	BUILDING EDITS
3/24/2021	DESIGN REVIEW/BLDG. EDITS
2/16/2021	DESIGN REVIEW EDITS
3/20/2020	DESIGN EDITS
REVISED:	DESCRIPTION:
DRAWN BY: REM	CHECK BY: VC
DATE: FEBRUARY 19, 2020	
SCALE: 1"=30'	SHEET 5 OF 5