



APPROVED BY:
SUDBURY PLANNING BOARD

DATE: _____

PLAN No. 1005 OF 2015

- GENERAL NOTES:**
- PROPERTY LINES ARE BASED UPON EXISTING PLANS AND DEEDS OF RECORD, AND DOES NOT REPRESENT A BOUNDARY SURVEY.
 - EXISTING TOPOGRAPHY IS BASED UPON AN ON-GROUND TOPOGRAPHICAL SURVEY BY SULLIVAN, CONNORS & ASSOC., INC. IN JANUARY & FEBRUARY 2018. ELEVATIONS ARE BASED UPON NAVD 1988.
 - ADDRESS: 554 BOSTON POST ROAD, AS SHOWN ON ASSESSORS MAP K08 PARCEL 602.
 - THE SITE IS NOT LOCATED WITHIN A FLOOD HAZARD ZONE AS SHOWN ON FEMA F.I.R.M. 25017C0506F DATED JULY 7, 2014.
 - ALL BUILDING DIMENSIONS/ELEVATIONS AND PROPOSED UTILITY CONNECTIONS (LOCATIONS, SIZES AND ELEVATIONS) SHALL BE CONFIRMED WITH THE ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION.

- 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 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).
 - 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.

SHEET INDEX

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

SOIL TEST PIT LOGS

DTH-1 (3-12-18)	EL.=167.5	DTH-2 (3-12-18)	EL.=167.5	DTH-3 (3-12-18)	EL.=168.0
0-12" Ap	LOAMY SAND 10YR3/3	0-24" Ap	LOAMY SAND 10YR3/3	0-8"	FILL
12-24" Bw	LOAMY SAND 10YR5/6	24-36" Bw	LOAMY SAND 10YR5/6	8-18" Bw	LOAMY SAND 10YR5/6
24-124" C1	SAND 2.5Y5/4	36-120" C1	SAND 2.5Y5/4	18-106" C1	MED-CRS. SAND 2.5Y5/4
MOTTLES AT 92" E.S.H.W.=159.8		MOTTLES AT 88" E.S.H.W.=160.2		MOTTLES AT 78" E.S.H.W.=161.5	
DTH-4 (3-12-18)	EL.=167.7	D-5 (3-12-18)	EL.=161.5	D-6 (3-12-18)	EL.=160.5
0-10"	FILL	0-14" Ap	LOAMY SAND 10YR3/2	0-12" Ap	LOAMY SAND 10YR3/3
10-28" Bw	LOAMY SAND 10YR5/6	14-28" Bw	LOAMY SAND 10YR5/6	12-28" Bw	LOAMY SAND 10YR5/6
28-118" C1	SAND 2.5Y5/4	28-108" C1	SAND 2.5Y5/4	28-96" C1	SAND 2.5Y5/4
MOTTLES AT 74" E.S.H.W.=161.5		MOTTLES AT 48" WATER AT 78" E.S.H.W.=157.5		MOTTLES AT 44" WATER AT 74" E.S.H.W.=156.8	
T-1 (11-30-18)	EL.=160.2	T-2 (11-30-18)	EL.=162.0		
0-14" Ap	LOAMY SAND 10YR3/2	0-18" Ap	LOAMY SAND 10YR3/2		
14-28" Bw	LOAMY SAND 10YR5/6	18-28" Bw	LOAMY SAND 10YR5/6		
28-84" C1	SAND 2.5Y5/4	28-108" C1	MED-CRS. SAND 2.5Y5/4		
MOTTLES AT 46" WATER AT 66" E.S.H.W.=156.4		MOTTLES AT 64" WATER AT 66" E.S.H.W.=156.7			

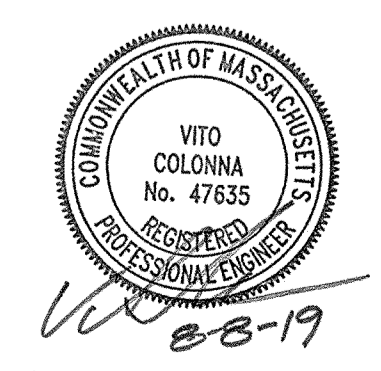
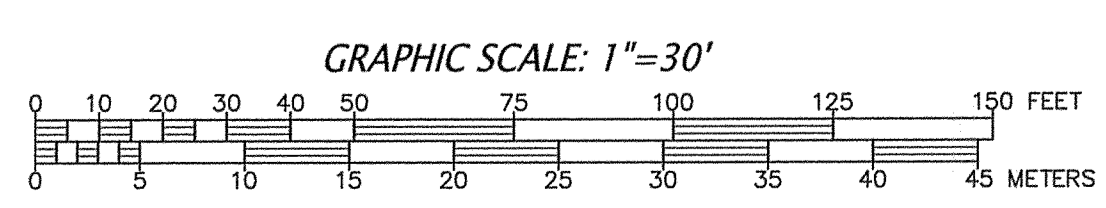
OWNER: ANNE STONE
554 BOSTON POST ROAD
SUDBURY, MA 01776

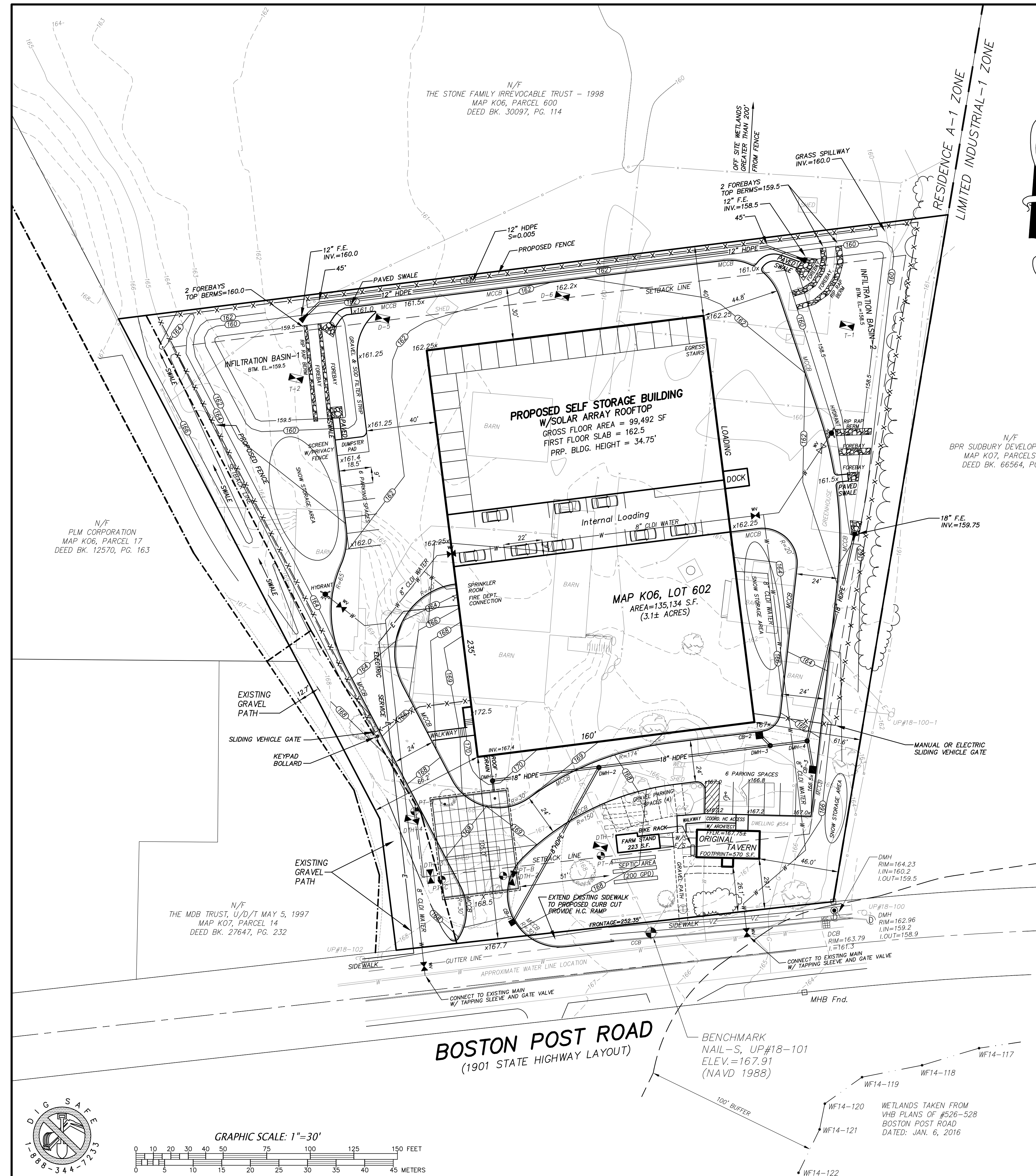
APPLICANT: 554 BPR LLC
80 UNION AVENUE
SUDBURY, MA 01776

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

EXISTING CONDITIONS PLAN
PROPOSED SITE PLAN
554 BOSTON POST ROAD
IN
SUDBURY, MA

8-8-19	MINOR SITE REVISIONS
7-24-19	PEER REVIEW COMMENTS
7-2-19	MISC. EDITS PER MTG.
5-31-19	FINALIZE DRAINAGE
5-21-19	REV. BUILDING SIZE
4-16-19	TAVERN PARKING
4-9-19	FARM STAND, PARKING
12-12-18	ZBA SUBMITTAL
9-17-18	FIRE COMMENTS
REVISED:	DESCRIPTION:
DRAWN BY: REM	CHECK BY: VC
DATE: AUGUST 8, 2018	
SCALE: 1"=30'	SHEET 1 OF 5.





PLAN No. 1005 OF 2015

- LEGEND**
- UTILITY POLE
 - ⊙ EXISTING DMH
 - EXISTING DCB
 - DCB ⊙ PROPOSED CATCH BASIN
 - DMH ⊙ PROPOSED MANHOLE
 - TREELINE
 - 300' 10' CONTOUR
 - 302' 2' CONTOUR
 - 25.7:5 SPOT GRADE
 - (268) FINISH GRADE
 - WATER
 - WATER GATE
 - OHW OVERHEAD WIRES
 - GAS
 - DRAIN
 - SEWER
 - EXISTING DRAIN
 - ZONING SETBACK
 - PROPOSED HAYBALES
 - DTH-7 ⊙ SOIL TEST HOLE

PHASING NOTE:
 PAVEMENT SHALL BE COMPLETED THROUGH BINDER COURSE AFTER FOUNDATIONS ARE COMPLETED, AND PRIOR THE START OF BUILDING CONSTRUCTION

DRAINAGE TABULATION

- CB-1
RIM=167.7
8" OUT=164.5
- CB-2
RIM=166.5
8" OUT=163.0
- CB-3
RIM=166.5
8" OUT=163.0
- DMH-1, RIM=170.25
*ROOF DRAIN INLET=167.0
*12" OUT=165.50 (TO DRYWELL)
*18" OUT=166.50 (OVERFLOW)
*VERIFY ROOF DRAIN SIZE W/ARCH. PRIOR TO CONSTRUCTION
- DMH-2, RIM=168.15
8" IN=163.5
18" IN=163.1
18" OUT=163.0
- DMH-3, RIM=166.7
8" IN=162.7
18" IN=162.0
18" OUT=161.9
- DMH-4, RIM=166.25
8" IN=162.5
18" IN=161.5
18" OUT=161.4
- FRONT-SUBSURFACE DRYWELL
72 CULTEC 330XLHD CHAMBERS
W/ 45"Wx59"Lx3.5'T STONE BED
BOTTOM STONE=163.5
BOTTOM CHAMBERS=164.0
*12" IN=165.0
*VERIFY ROOF DRAIN SIZE W/ARCH. PRIOR TO CONSTRUCTION

PARKING TABLE

PARKING REQUIREMENT:
 1 SPACE PER 2,000 S.F. FOR THE FIRST 20,000 S.F. PLUS 1 SPACE PER ADDITIONAL 10,000 S.F. PLUS 1 SPACE PER EMPLOYEE

GROSS FLOOR AREA STORAGE BUILDING + TAVERN = 100,062 S.F.
 FIRST 20,000 S.F./2000 = 10 SPACES
 REMAINING 80,062 S.F./10,000 = 8.00 SPACES (8)
 1 EMPLOYEE = 1 SPACE

TOTAL SPACES REQUIRED = 19
 TOTAL SPACES PROVIDED = 20 (8 INTERIOR, 12 EXTERIOR)

ZONING

RESIDENCE "A"	REQUIRED	PROVIDED
LOT AREA	40,000 S.F.	135,134 S.F.
FRONTAGE	180 feet	252.35 feet
FRONT YARD SETBACK	40 feet	105 feet (PRP. BLDG.) 26.1 feet (TAVERN.)
SIDE YARD SETBACK	20 feet	61.6 feet (PRP. BLDG.) 46.0 feet (TAVERN.)
REAR YARD SETBACK	30 feet	40 feet (PRP. BLDG.) 332 feet (TAVERN.)
BUILDING COVERAGE	40%	28.4%

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 554 BOSTON POST ROAD
 SUDBURY, MA 01776

APPLICANT: 554 BPR LLC
 80 UNION AVENUE
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PROPOSED SITE PLAN
 OF
 554 BOSTON POST ROAD
 IN
 SUDBURY, MA

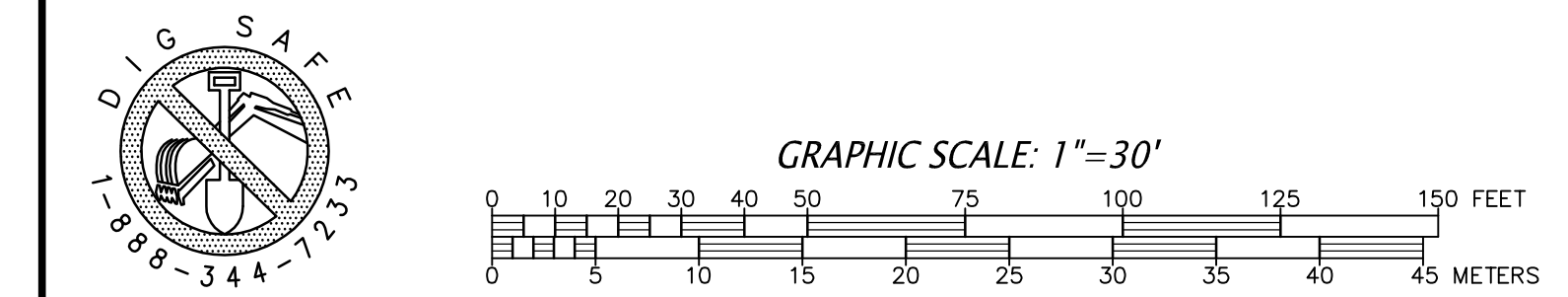
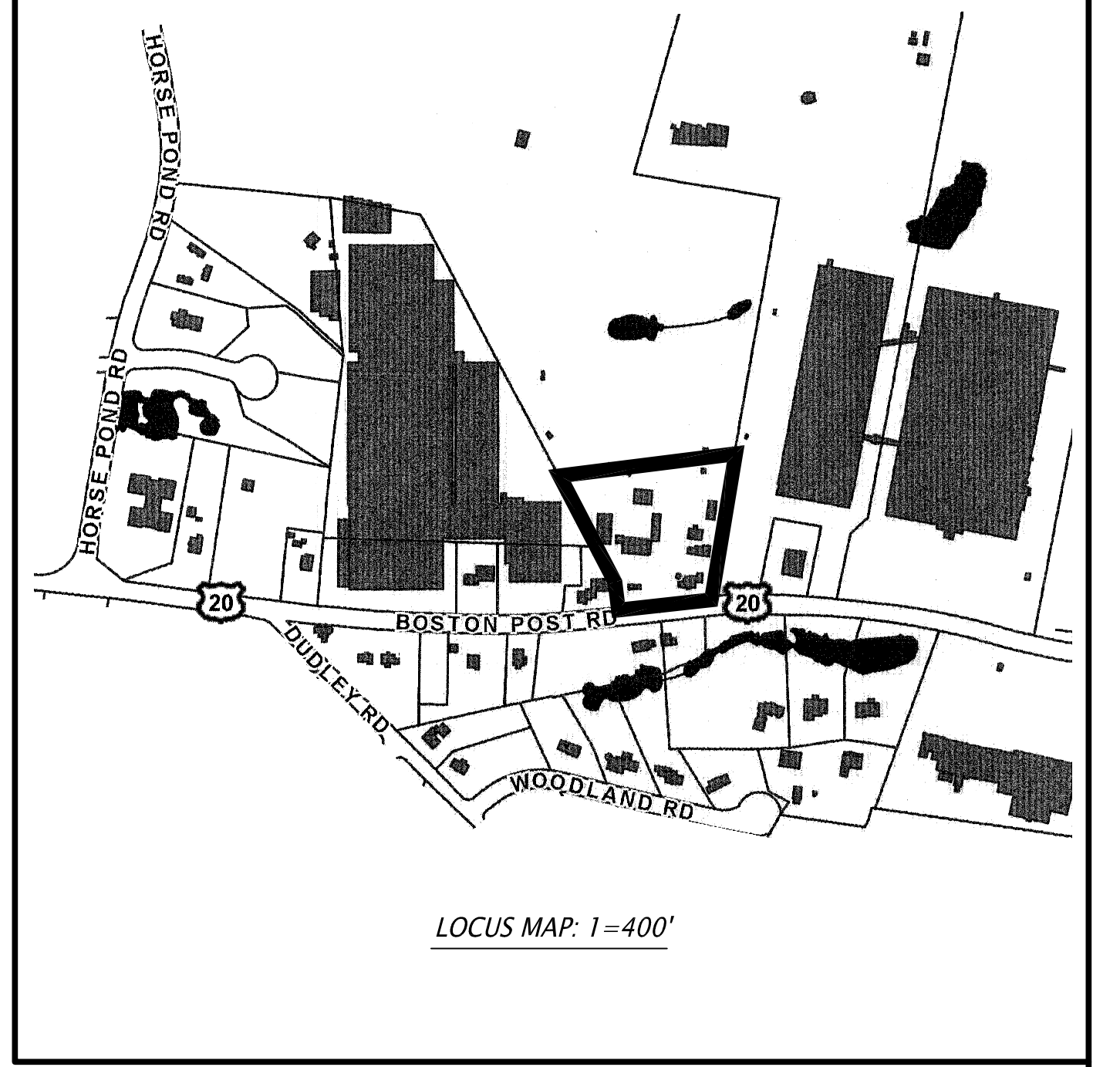
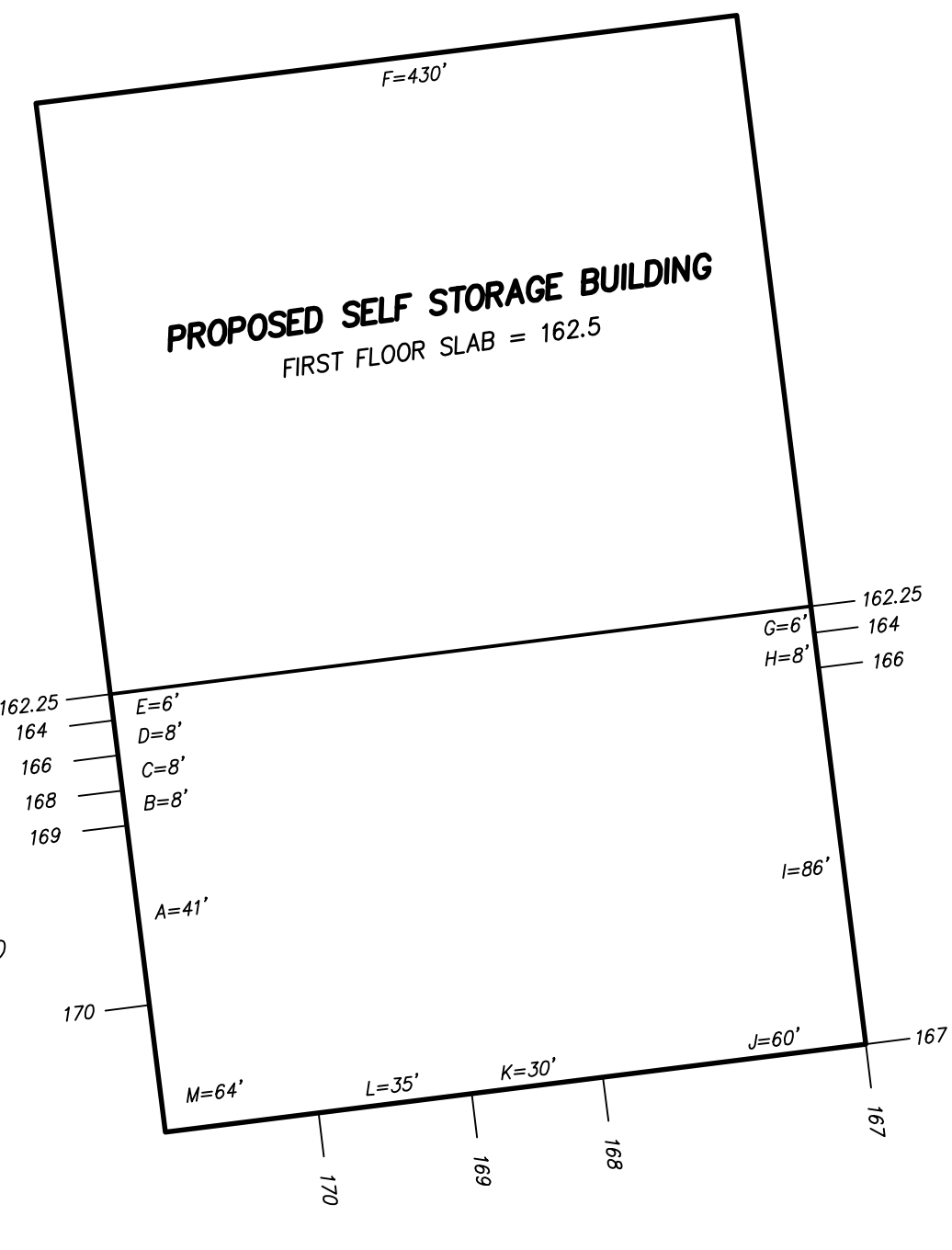
REVISED:	DESCRIPTION:
8-20-19	BUILDING HEIGHT NOTES
8-8-19	MINOR SITE REVISIONS
7-24-19	PEER REVIEW COMMENTS
7-2-19	MISC. EDITS PER MTG.
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	SHEET 2 OF 5.

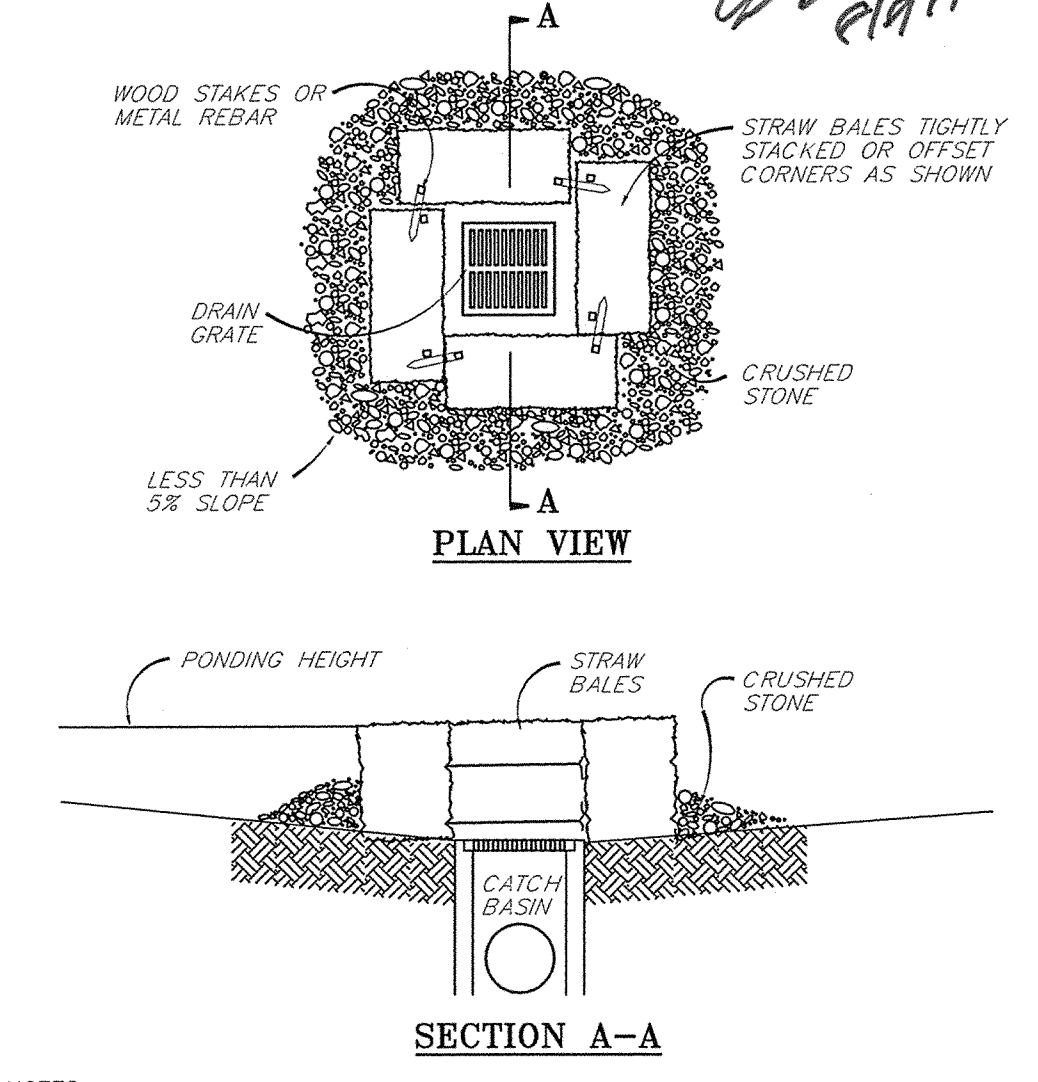
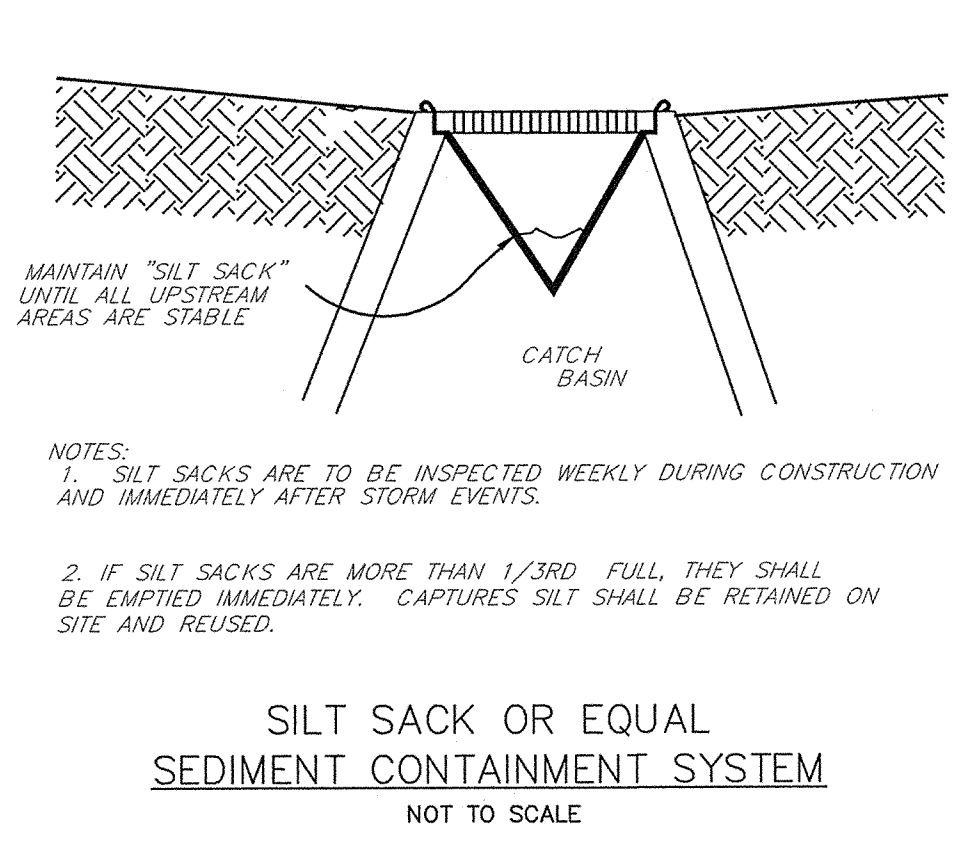
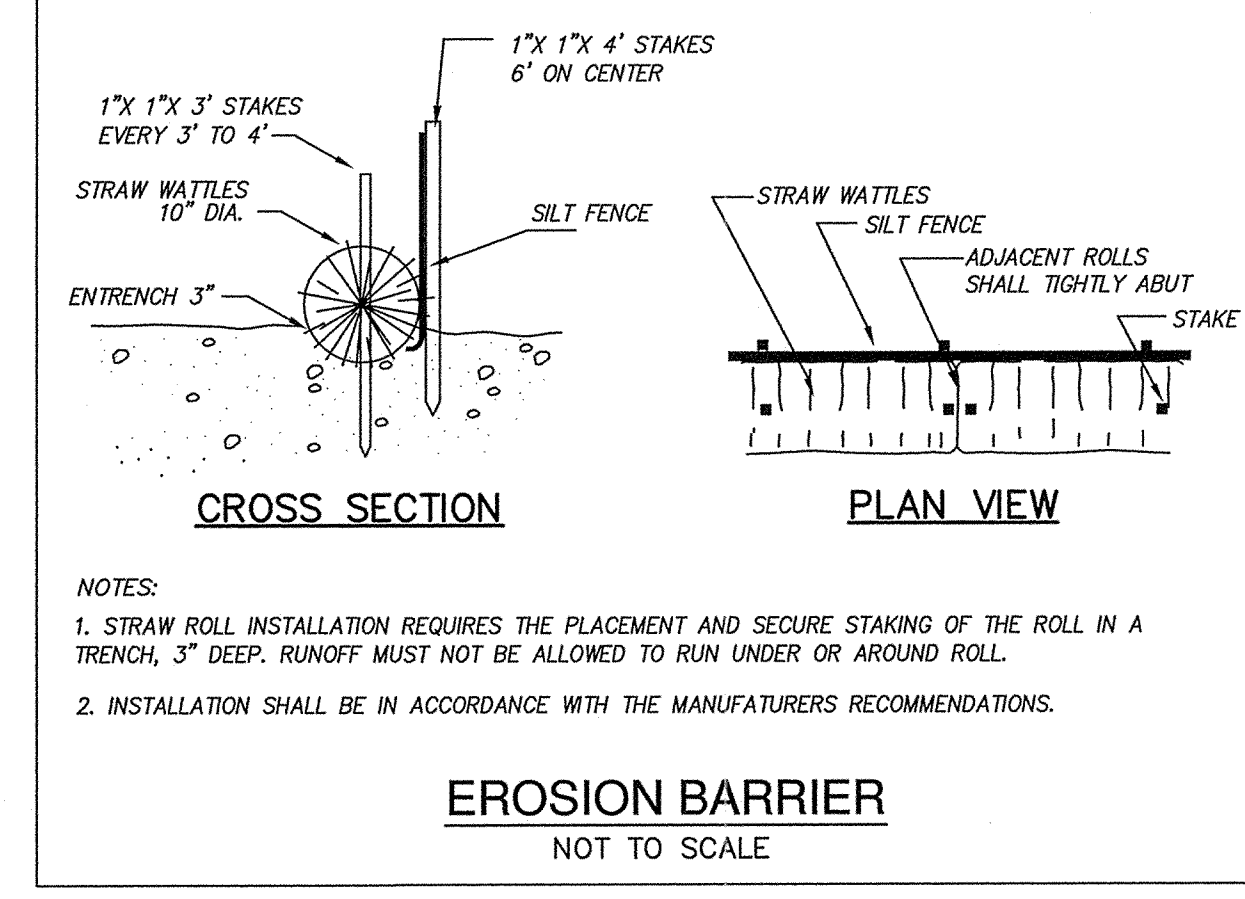
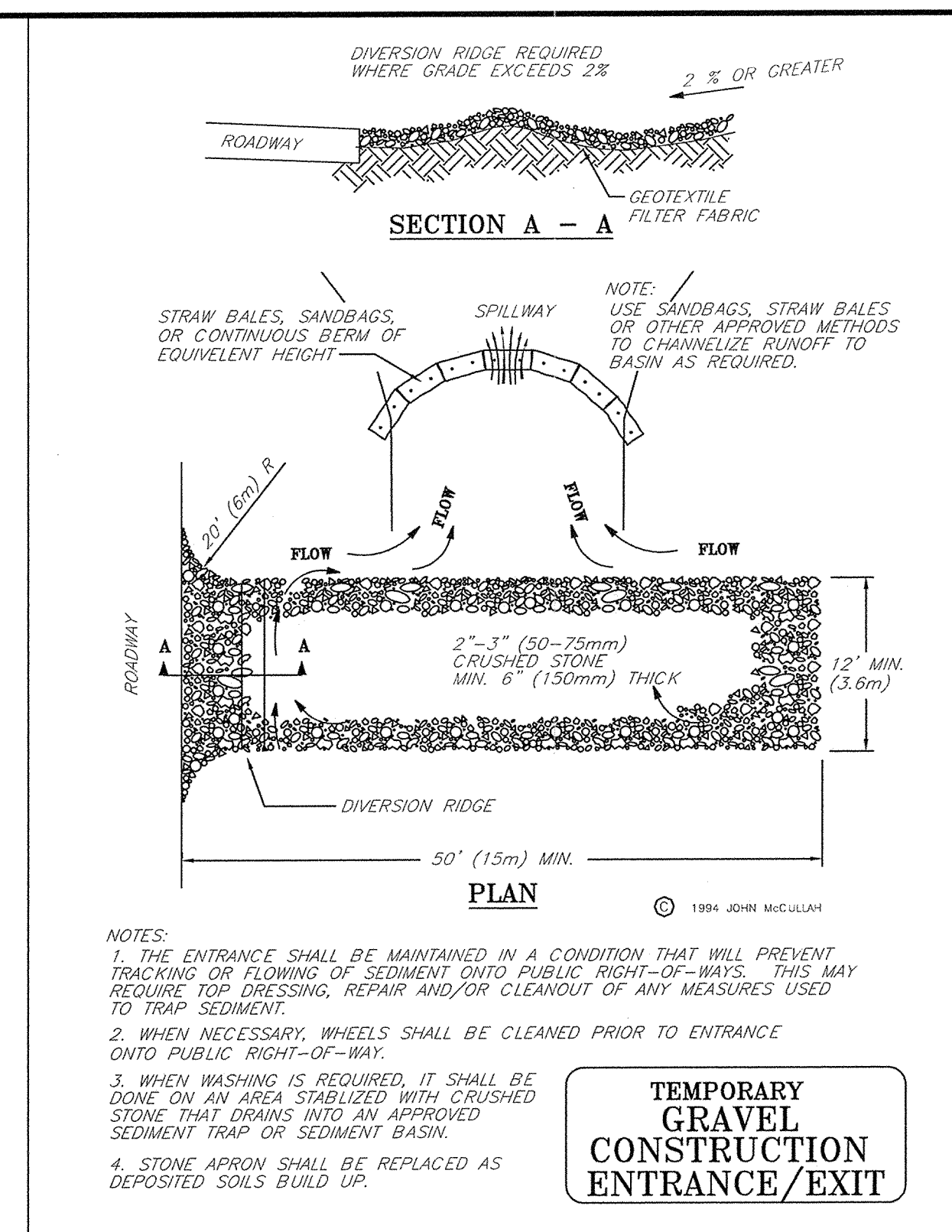
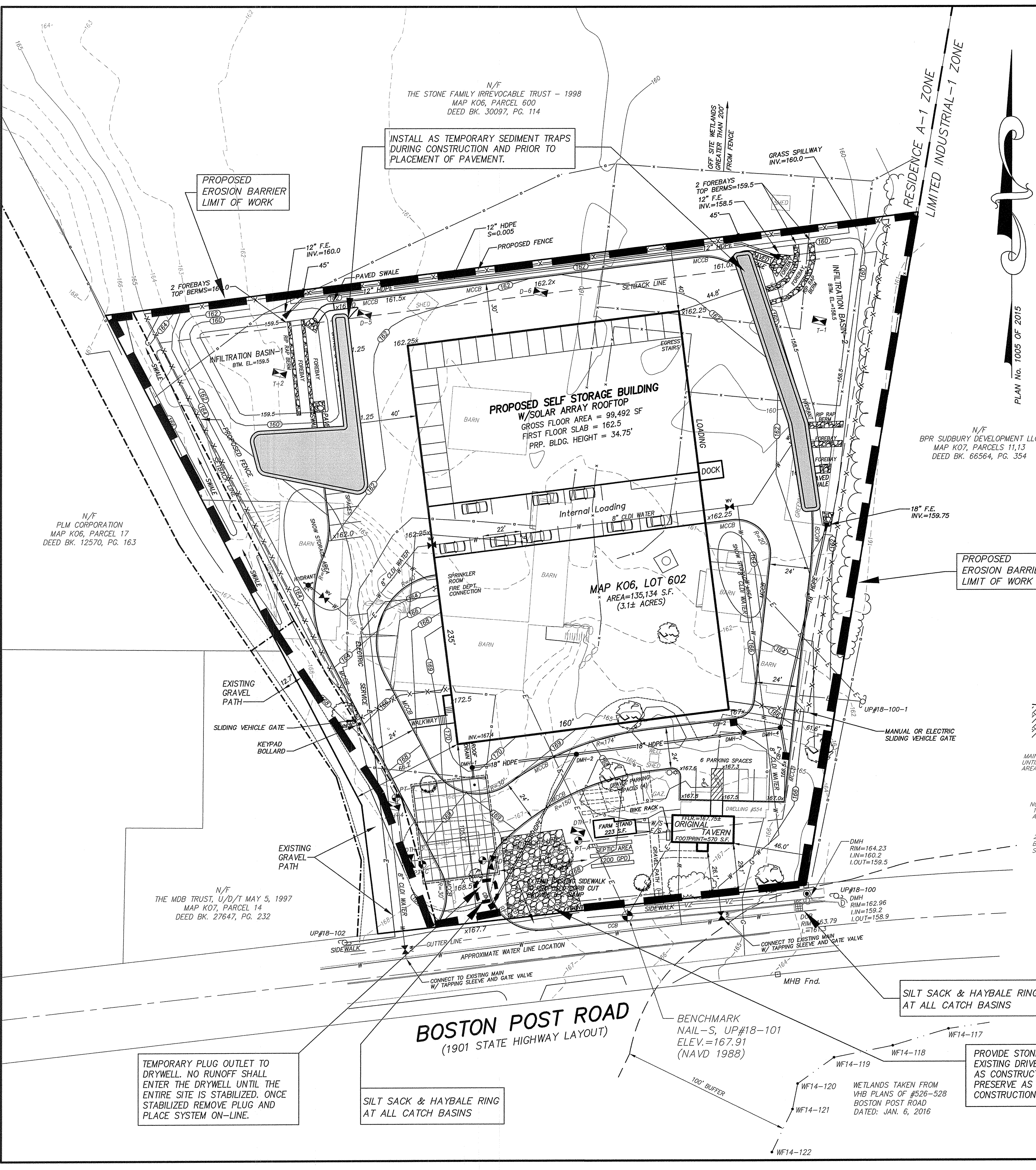
BUILDING HEIGHT CALCULATION

SEGMENT	EL. 1	EL. 2	LENGTH	PRODUCT
A	170	169	41.00	6949.500
B	169	168	8.00	1348.000
C	168	166	8.00	1336.000
D	166	164	8.00	1320.000
E	164	162.25	6.00	978.750
F	162.25	162.25	430.00	69767.500
G	162.25	164	6.00	978.750
H	164	166	8.00	1320.000
I	166	167	86.00	14319.000
J	167	168	60.00	10050.000
K	168	169	30.00	5055.000
L	169	170	35.00	5932.500
M	170	170	64.00	10880.000
				790.00 130235.000
				Mean Finish Grade = 164.8544

NOTE: SEGMENT LENGTHS ARE THE DISTANCES ALONG THE PROPOSED FOUNDATION BETWEEN POINTS. GRADES IN TABLE ARE PROPOSED FINISH GRADES.

MEAN FINISH GRADE = 164.8
 MAX. BUILDING HEIGHT = 35' MEASURED FROM MEAN FINISH GRADE
 MEAN FINISH GRADE(164.8) + 35' = 199.8 MAX. PEAK ELEV. ALLOWED
 PROPOSED SLAB (162.5) + PROPOSED BLDG (37') = PEAK (199.5)
 BUILDING HEIGHT FROM MEAN GRADE = 199.5 - 164.8 = 34.7'



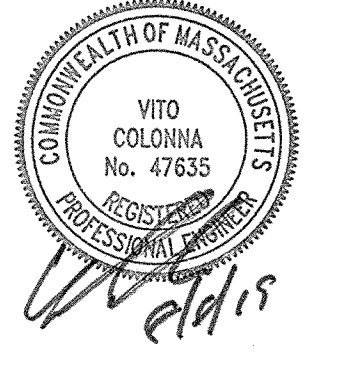


EROSION AND SEDIMENTATION CONTROL NOTES:

- ALL WORK SHALL BE IN ACCORDANCE WITH THE PLANS AND PERMIT CONDITIONS.
- PRIOR TO INITIATING CONSTRUCTION, ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE INSTALLED AS SHOWN ON THE PLANS AND DETAIL DRAWINGS. THE CONTRACTOR SHALL BE PREPARED TO STOP OR LIMIT SITE WORK DURING EXTENDED WET WEATHER PERIODS.
- 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 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 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.
- 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.
- 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.
- 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 SILT SACKS. THE CONTRACTOR SHALL MAINTAIN THESE DEVICES PER THE MANUFACTURERS RECOMMENDATIONS UNTIL ALL WORK IS COMPLETED AND ALL AREAS HAVE BEEN ADEQUATELY STABILIZED.
- JUST 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.
- 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.

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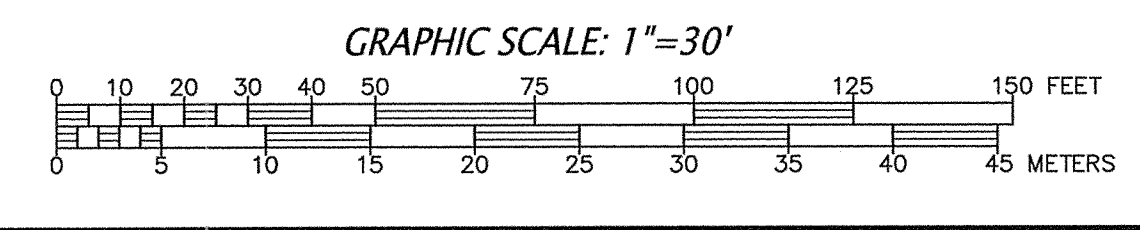
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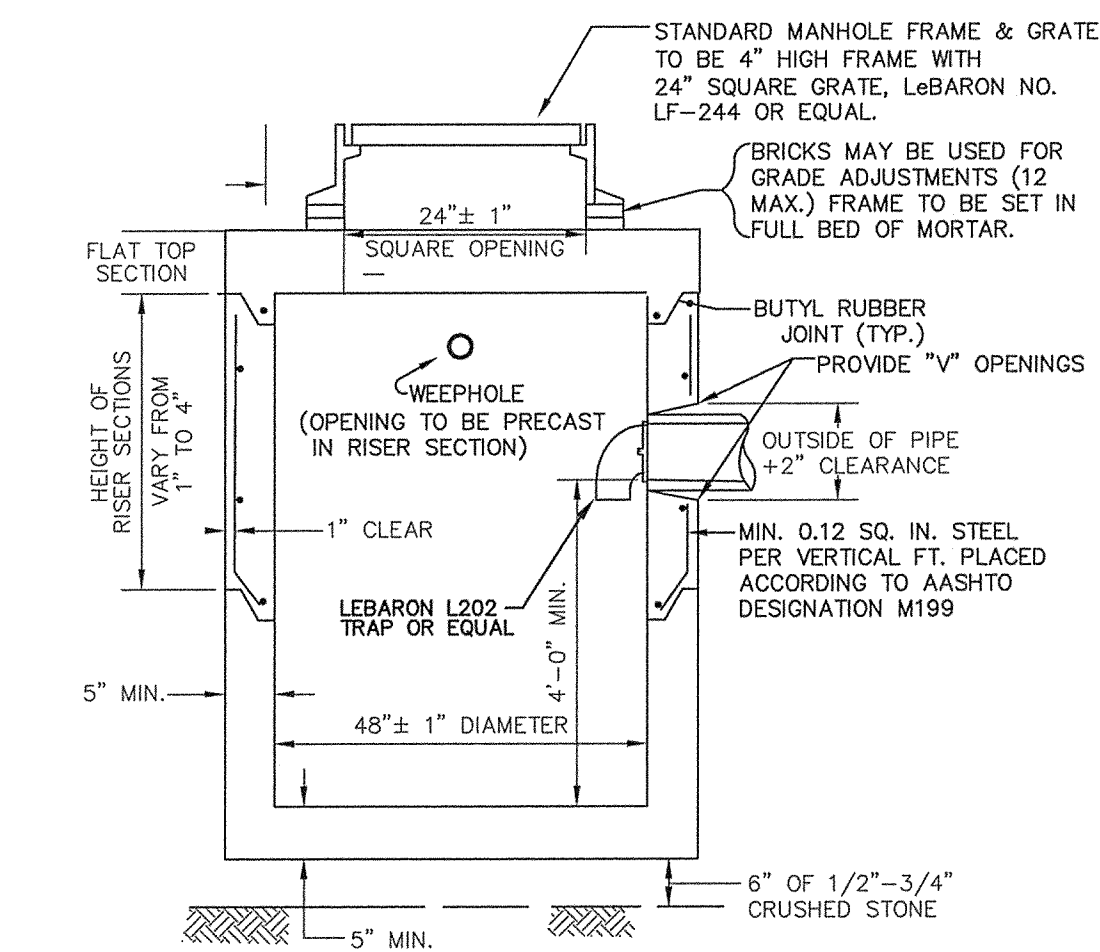
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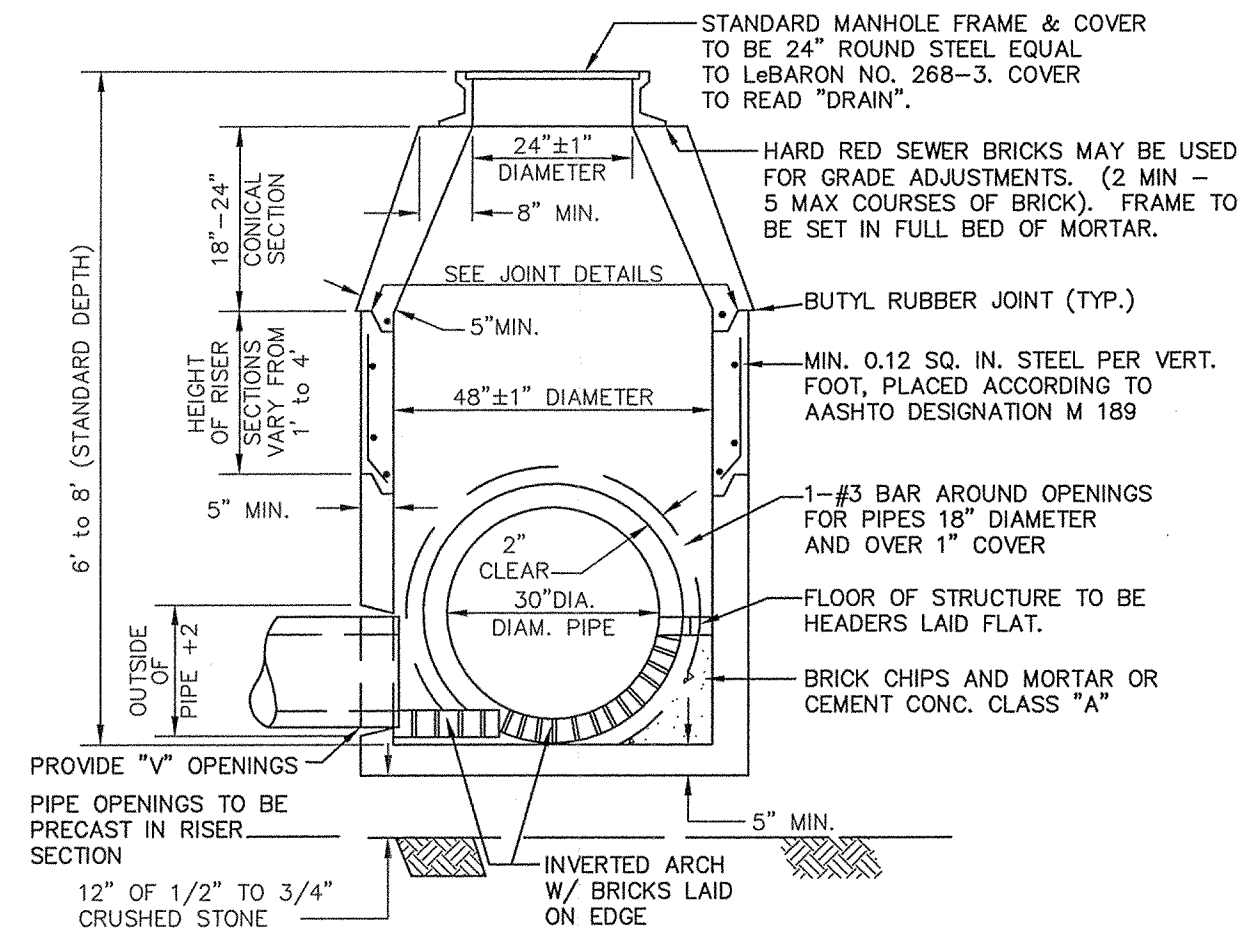
EROSION CONTROL PLAN OF 554 BOSTON POST ROAD IN SUDBURY, MA

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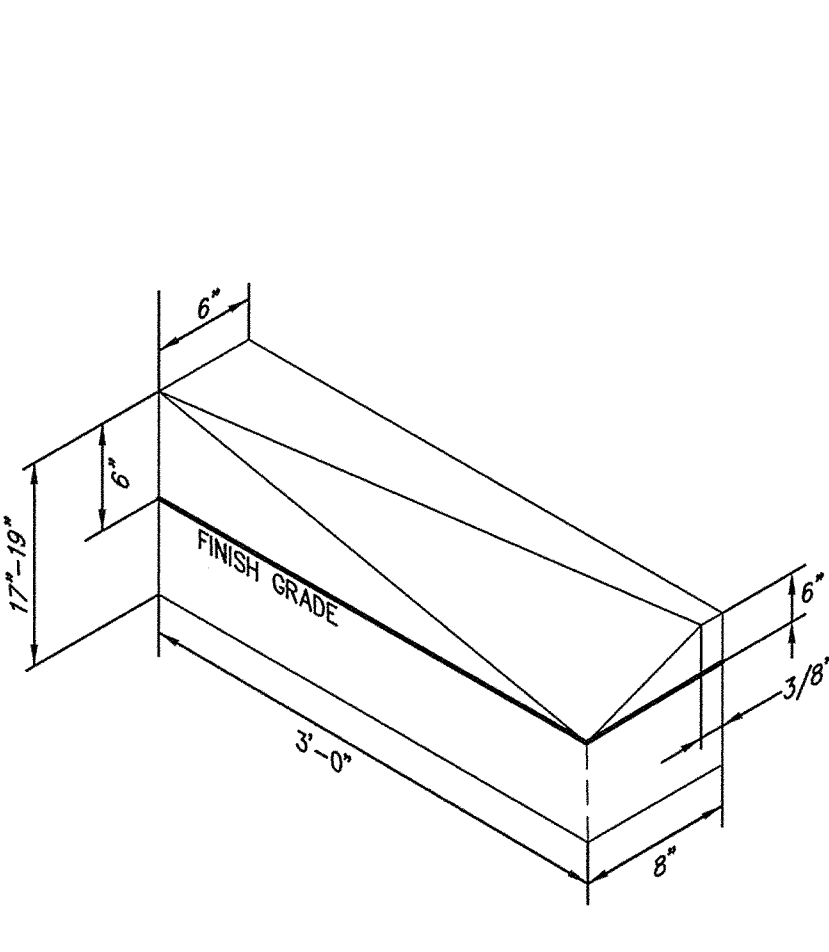




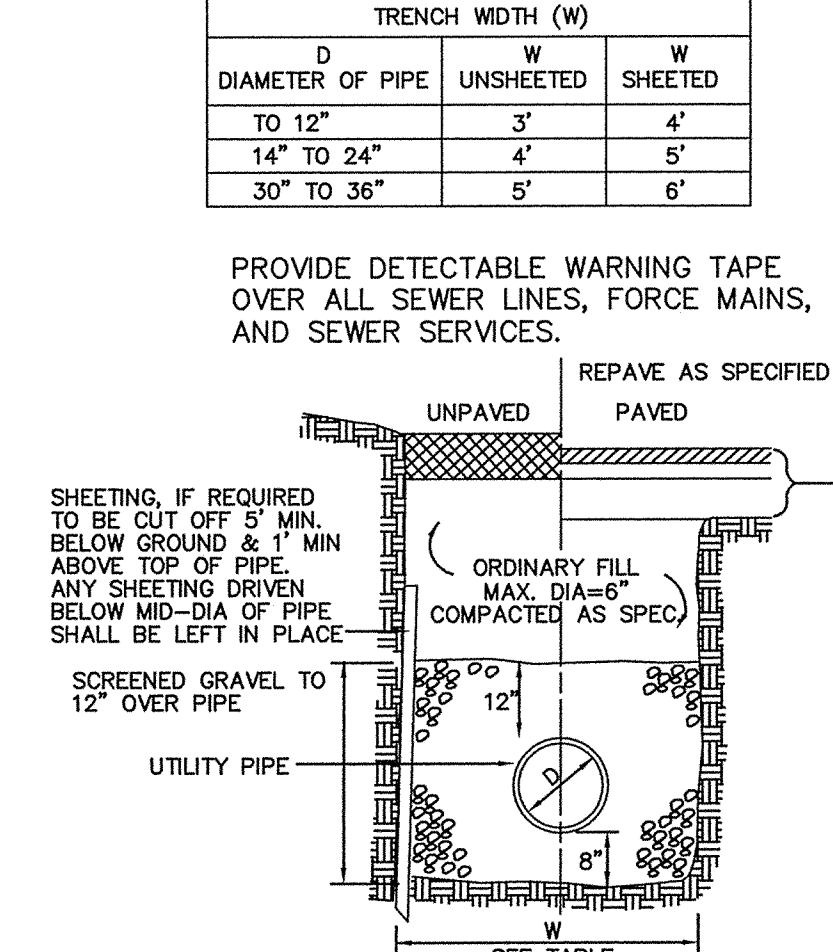
PRECAST CONCRETE DRAIN CATCH BASIN DETAIL
NOT TO SCALE



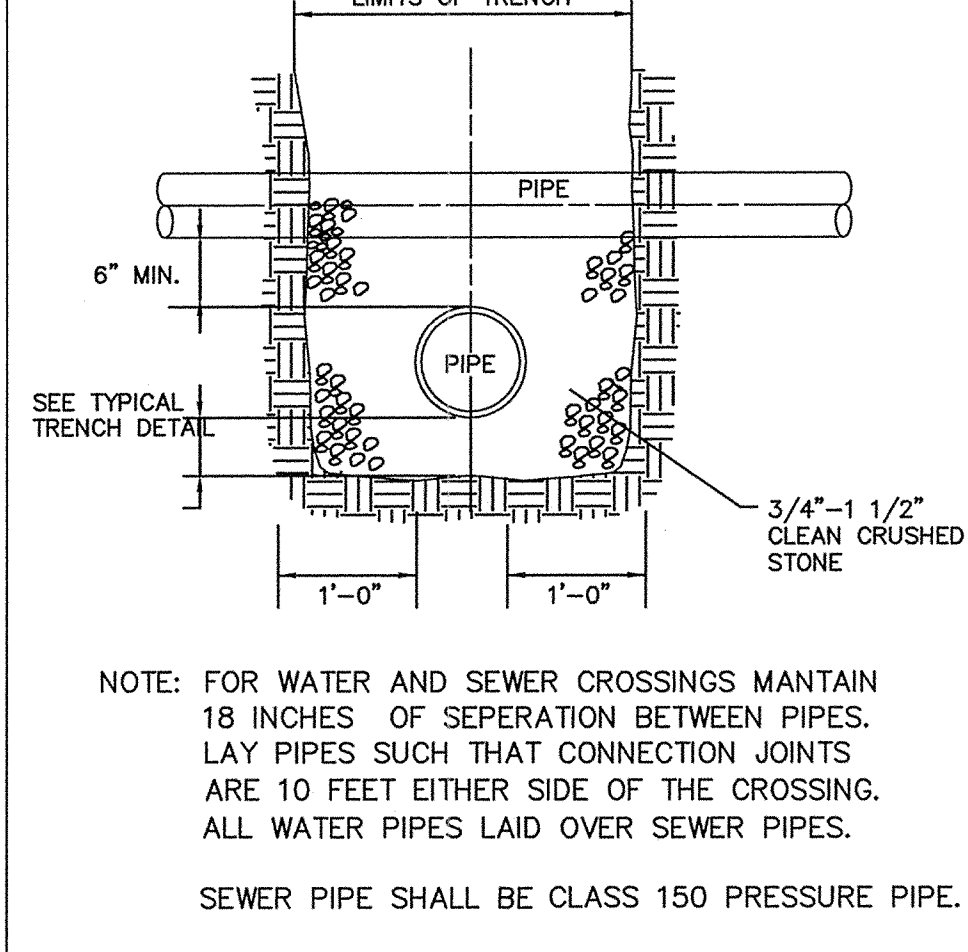
PRECAST CONCRETE DRAIN MANHOLE DETAIL
NOT TO SCALE



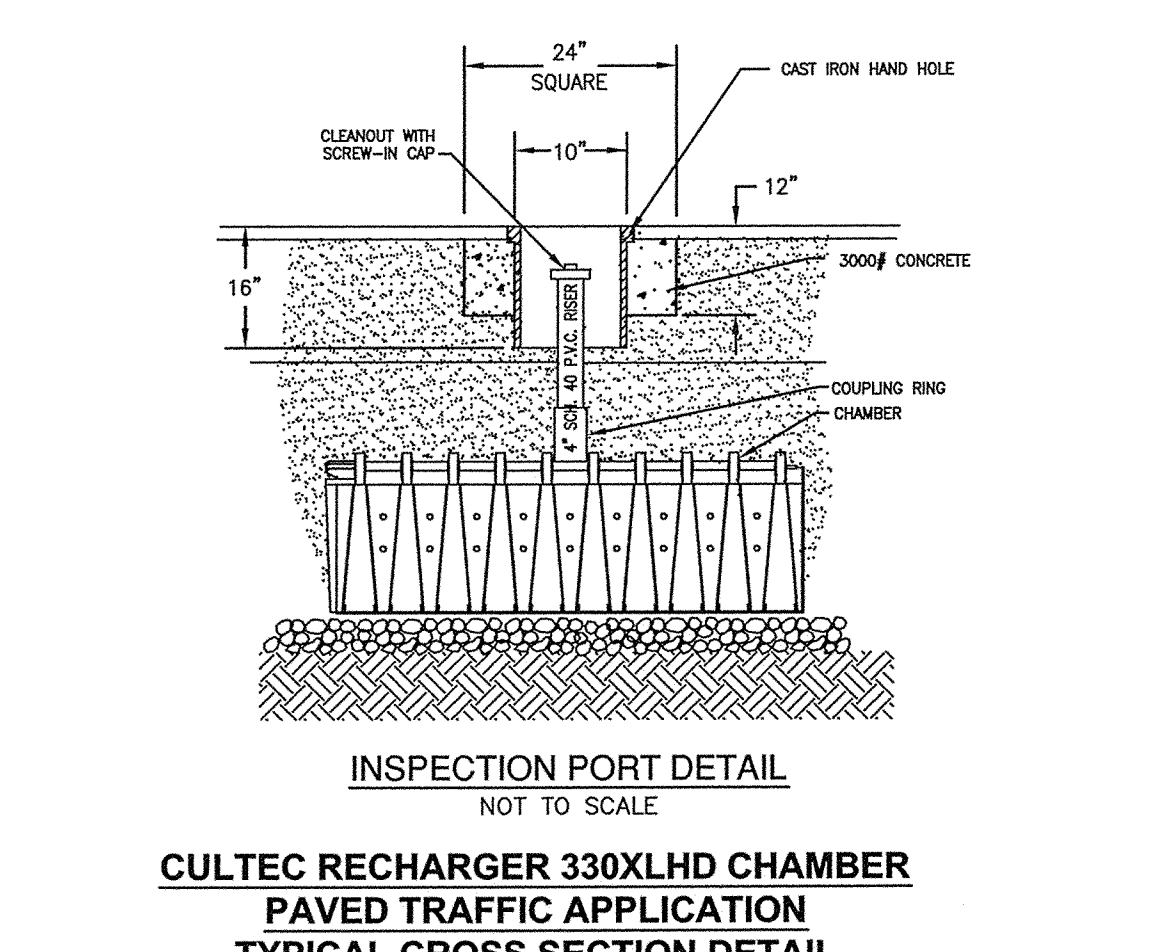
TRANSITION STONE CURB INLET TO MODIFIED BERM
NOT TO SCALE



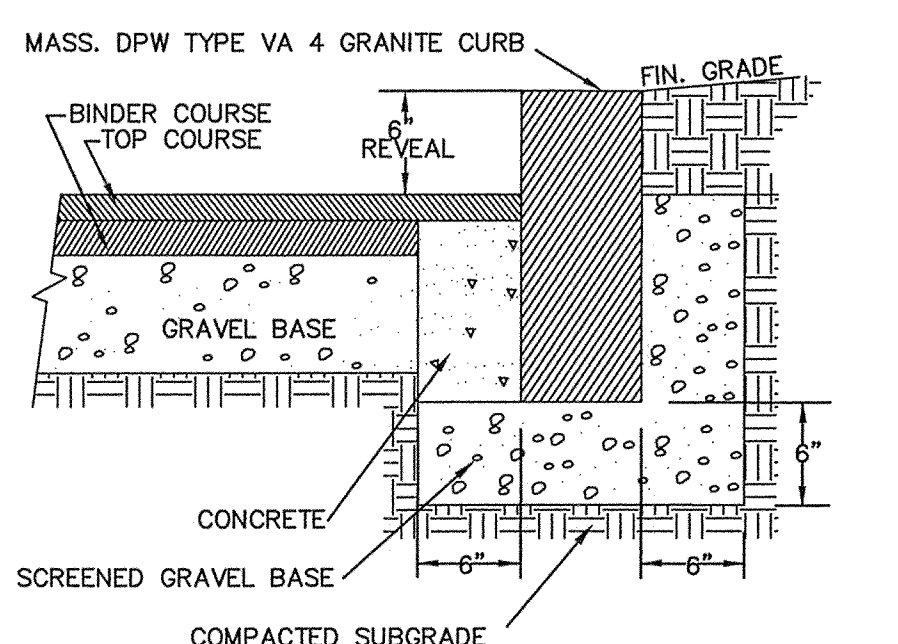
TYPICAL TRENCH DETAIL
NOT TO SCALE



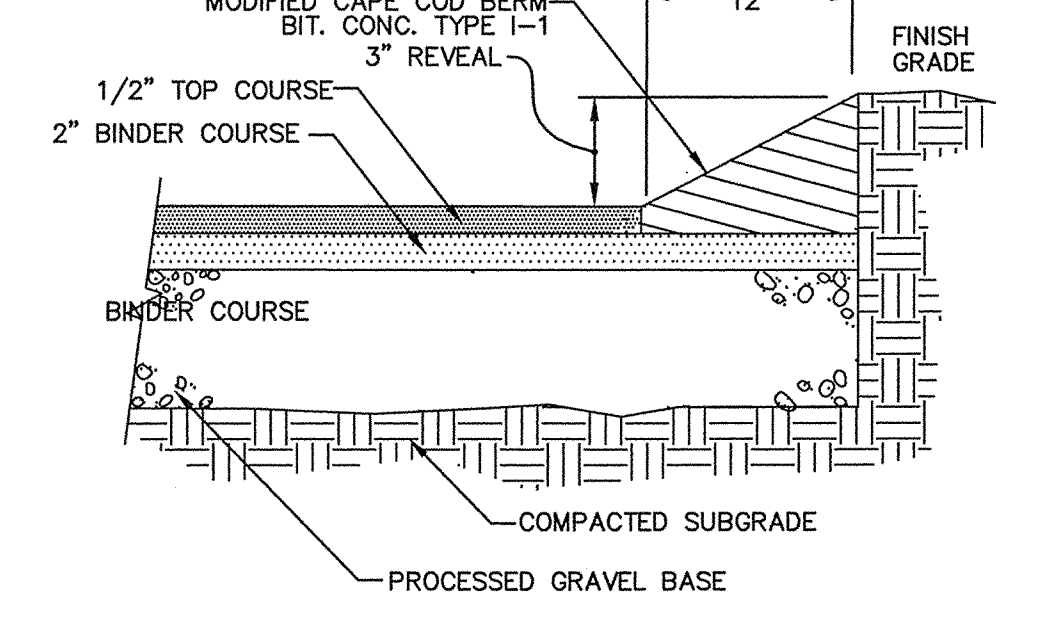
UTILITY CROSSING DETAIL
NOT TO SCALE



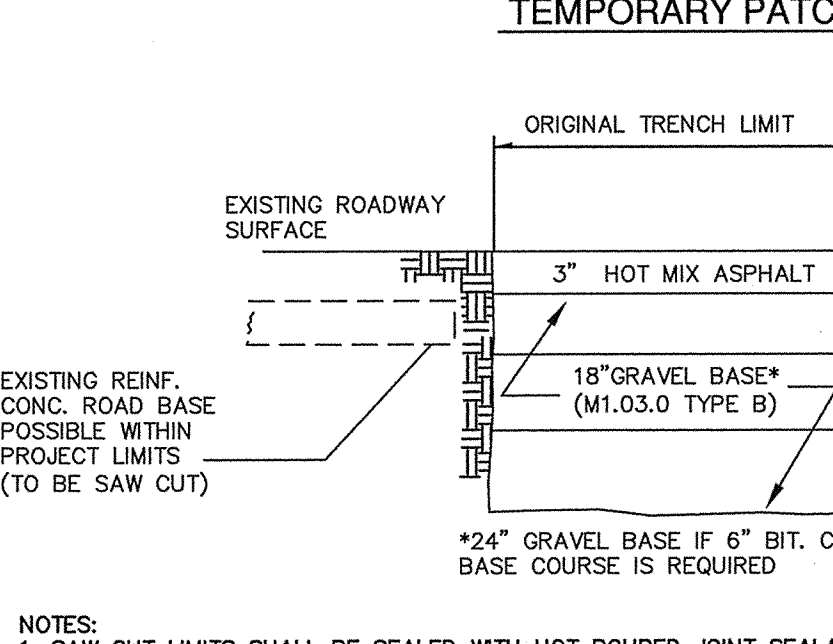
CULTEC RECHARGER 330XLHD CHAMBER PAVED TRAFFIC APPLICATION TYPICAL CROSS SECTION DETAIL
NOT TO SCALE



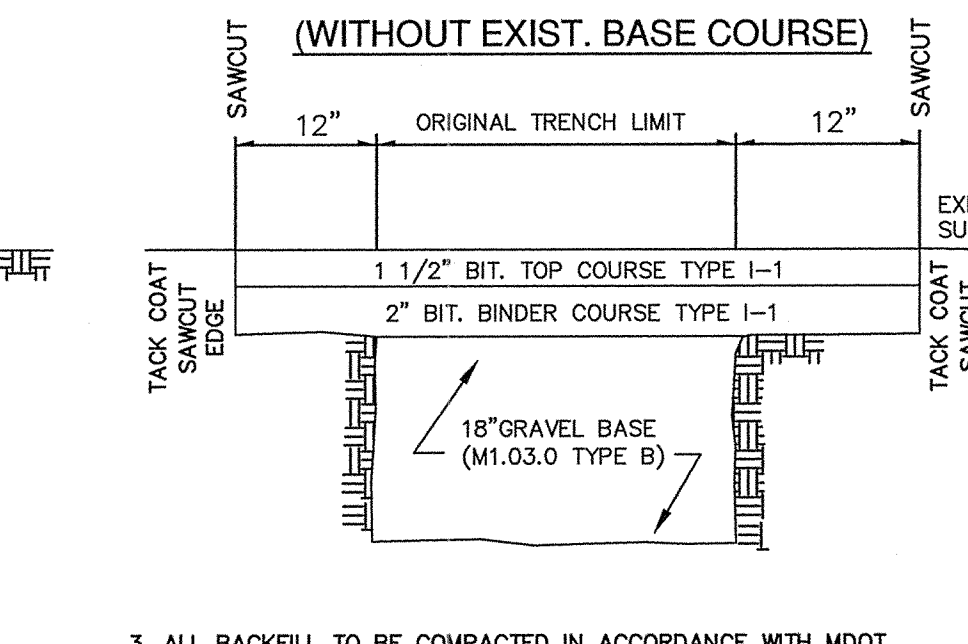
VERTICAL GRANITE CURB
NOT TO SCALE



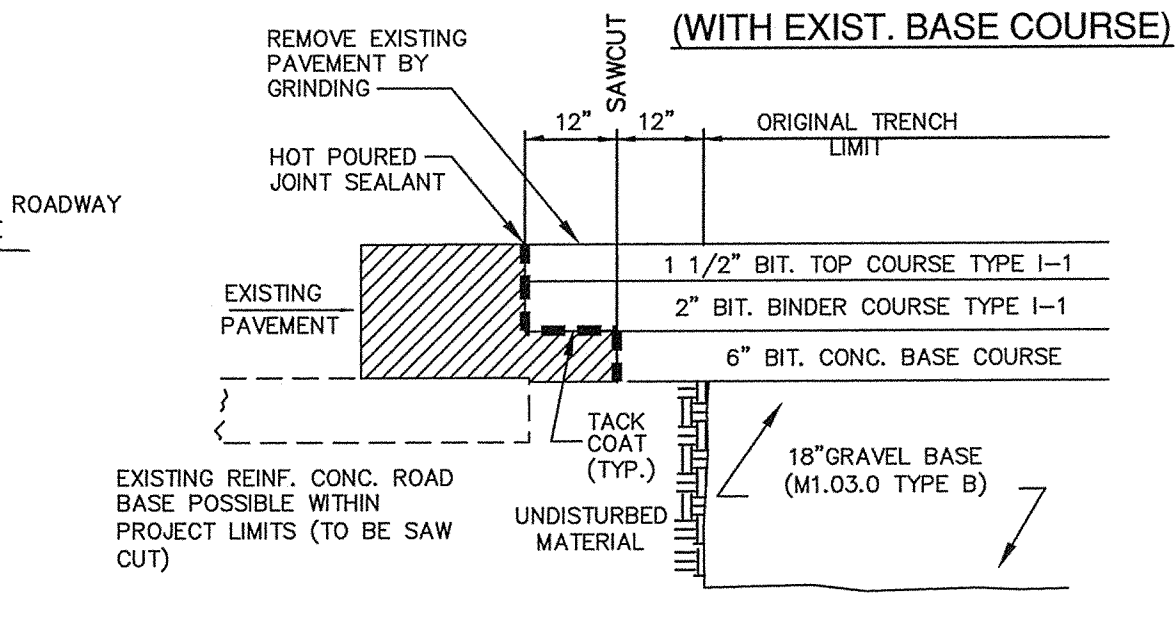
MODIFIED CAPE COD BERM & TYPICAL PAVEMENT SECTION
NOT TO SCALE



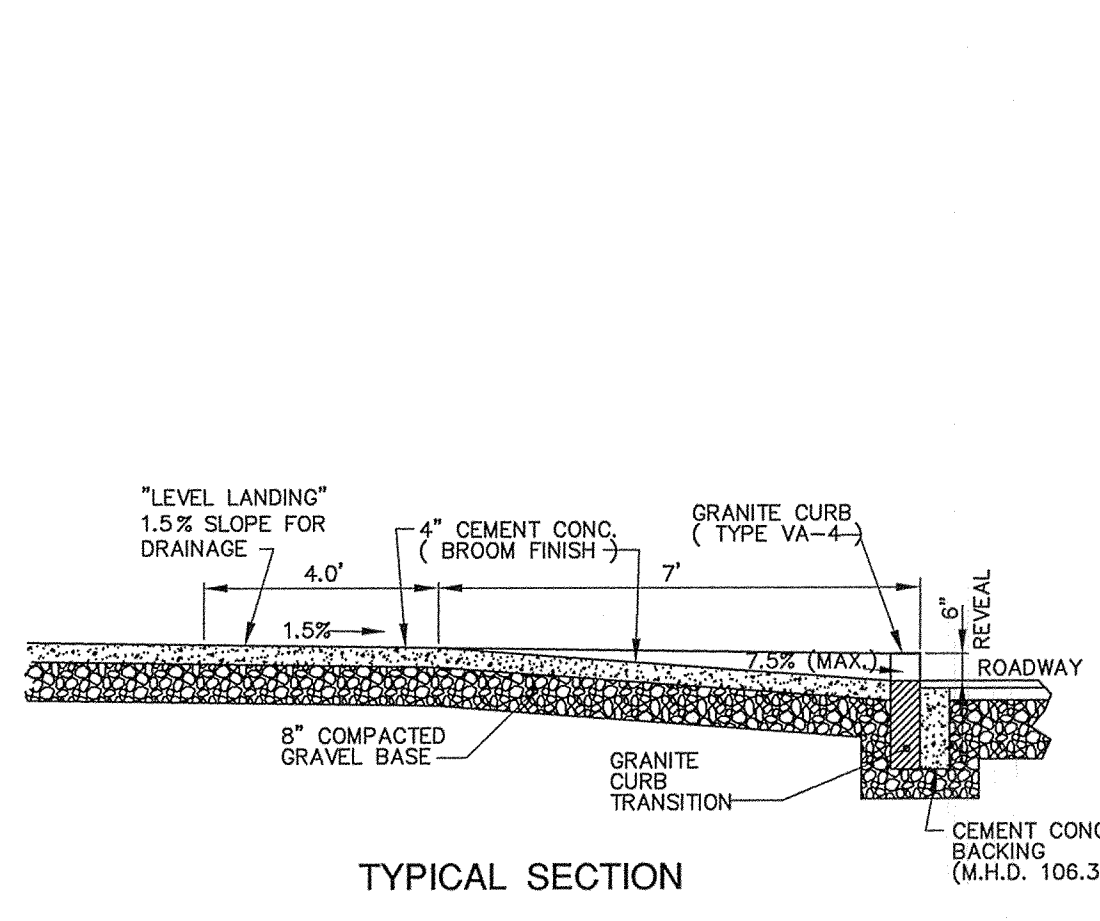
TEMPORARY PATCH
NOT TO SCALE



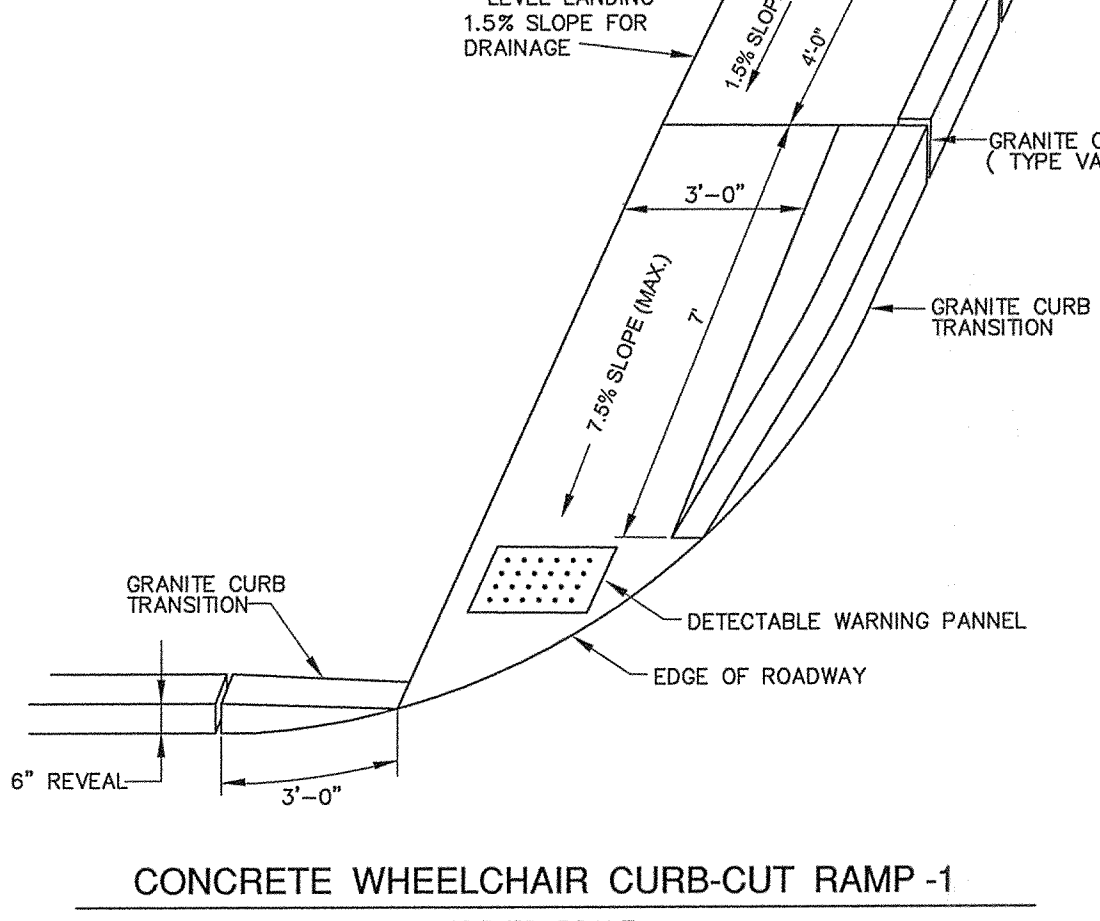
PERMANENT PATCH (WITHOUT EXIST. BASE COURSE)
NOT TO SCALE



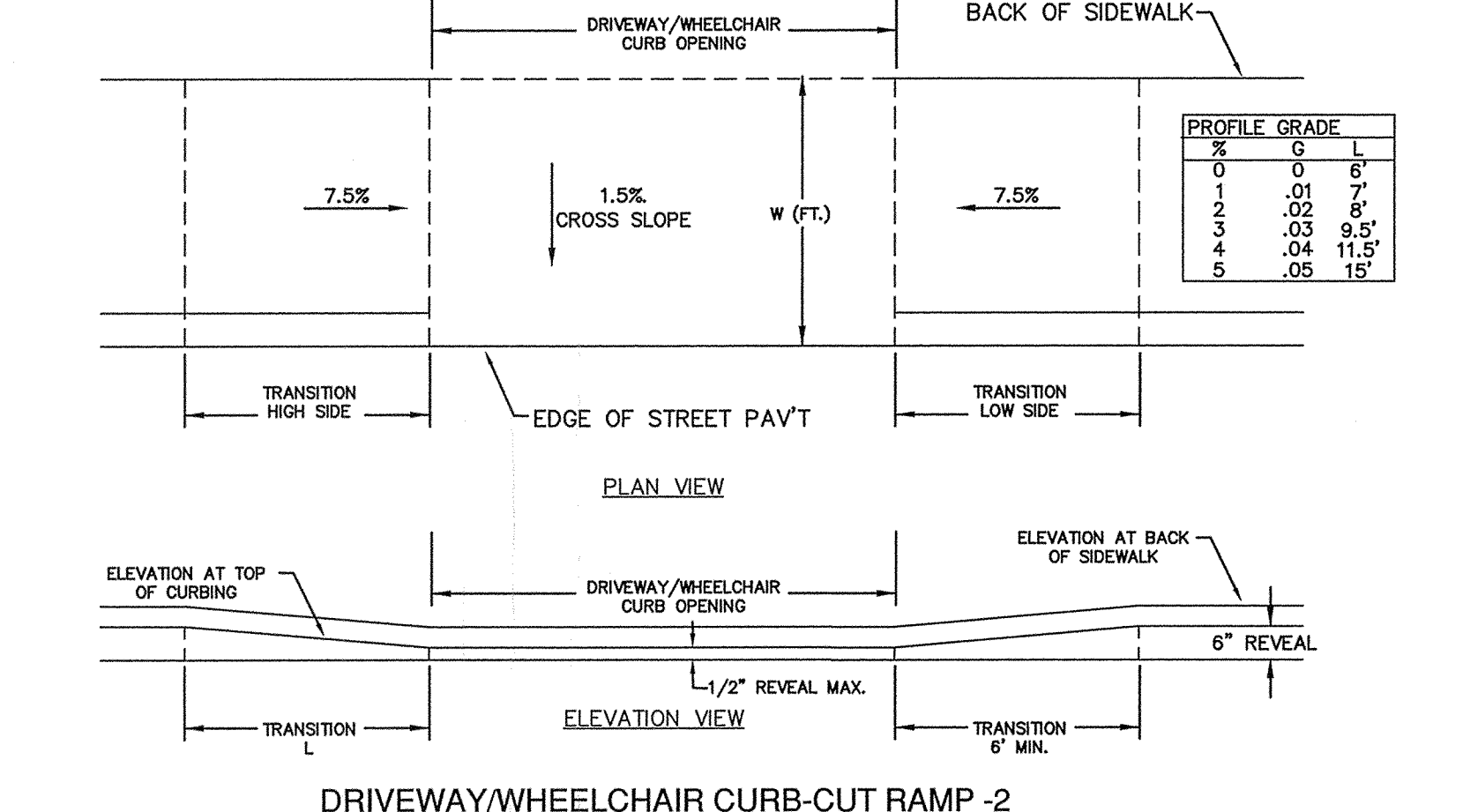
PERMANENT PATCH (WITH EXIST. BASE COURSE)
NOT TO SCALE



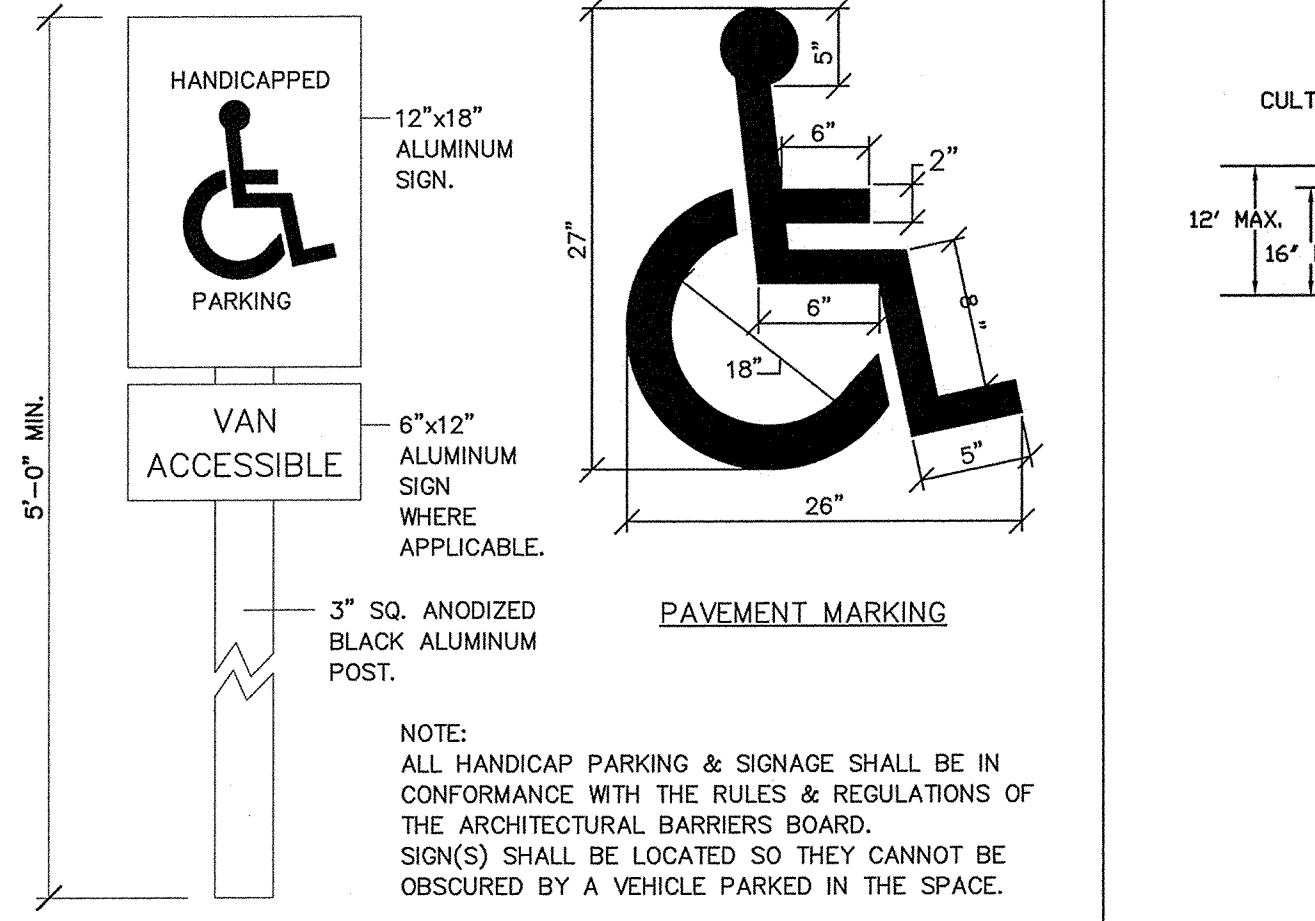
TYPICAL SECTION



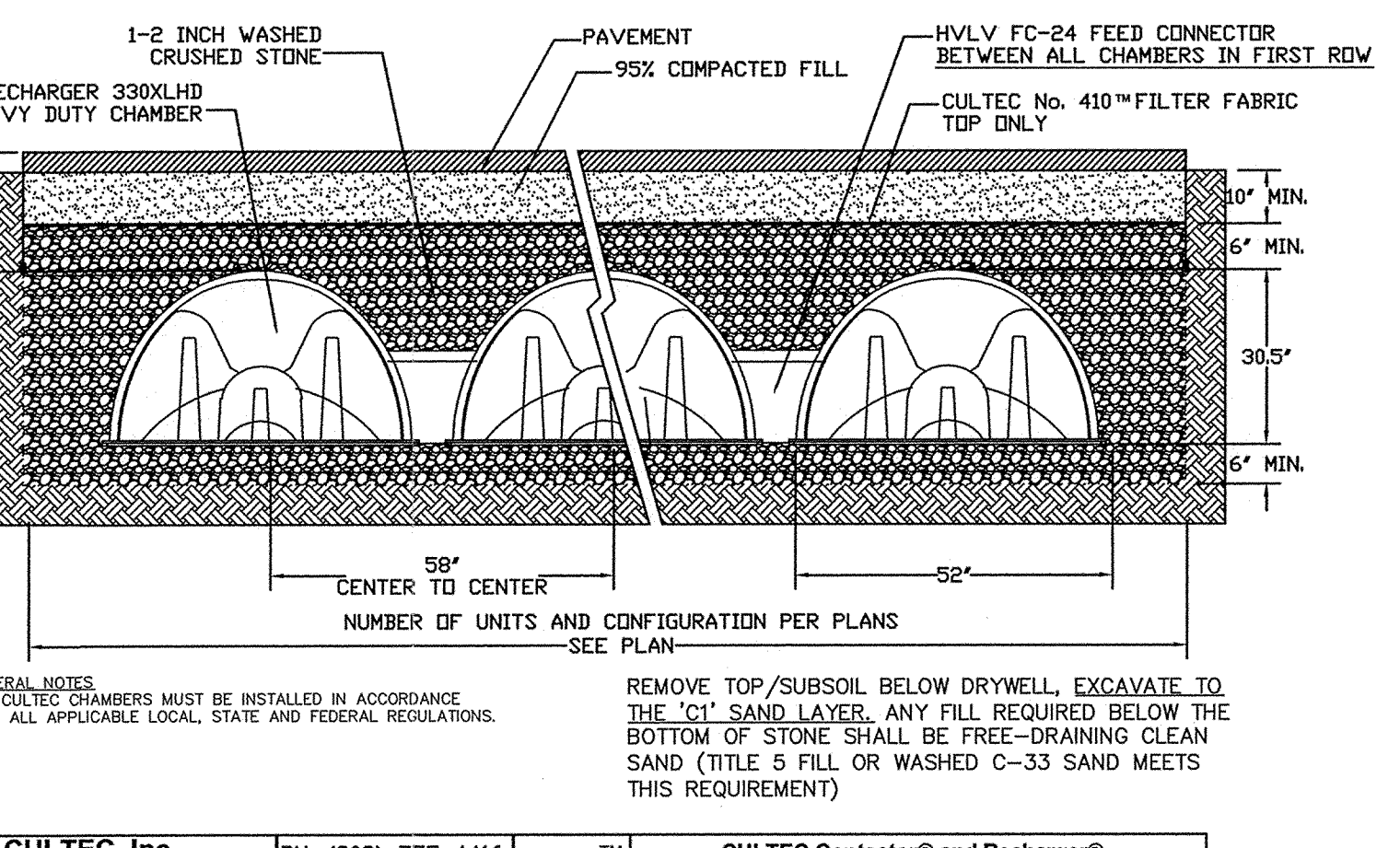
CONCRETE WHEELCHAIR CURB-CUT RAMP -1
NOT TO SCALE



DRIVEWAY/WHEELCHAIR CURB-CUT RAMP -2
NOT TO SCALE



HANDICAP SIGN & PAVEMENT MARKING DETAIL
NOT TO SCALE



INFILTRATION BASIN DETAIL
NOT TO SCALE

OWNER: ANNE STONE
554 BOSTON POST ROAD
SUDBURY, MA 01776

APPLICANT: 554 BPR LLC
80 UNION AVENUE
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 554 BOSTON POST ROAD IN SUDBURY, MA

DATE	REVISION
8-8-19	MINOR SITE REVISIONS
7-24-19	PEER REVIEW COMMENTS
5-31-19	FINALIZE DRAINAGE
5-21-19	REV. BUILDING SIZE
4-16-19	TAVERN PARKING
4-9-19	FARM STAND, PARKING
12-12-18	ZBA SUBMITTAL
9-17-18	FIRE COMMENTS

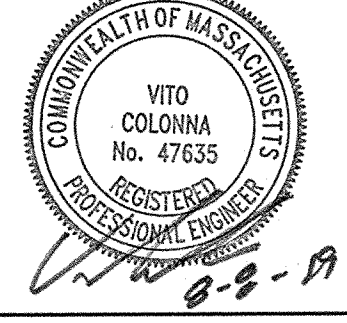
APPROVED BY: SUDBURY PLANNING BOARD

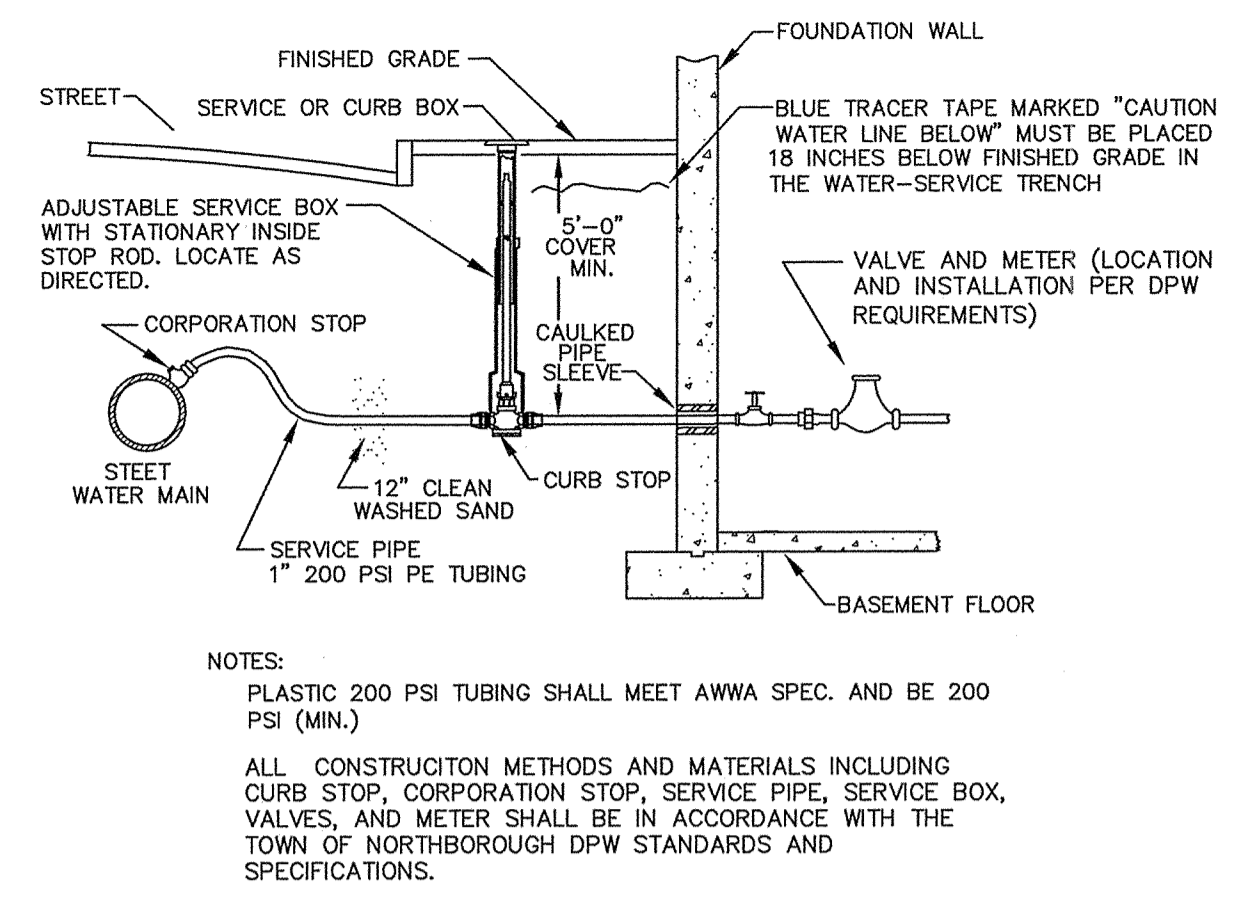
DATE: _____

DRAWN BY: REM **CHECK BY:** VC

DATE: AUGUST 8, 2018

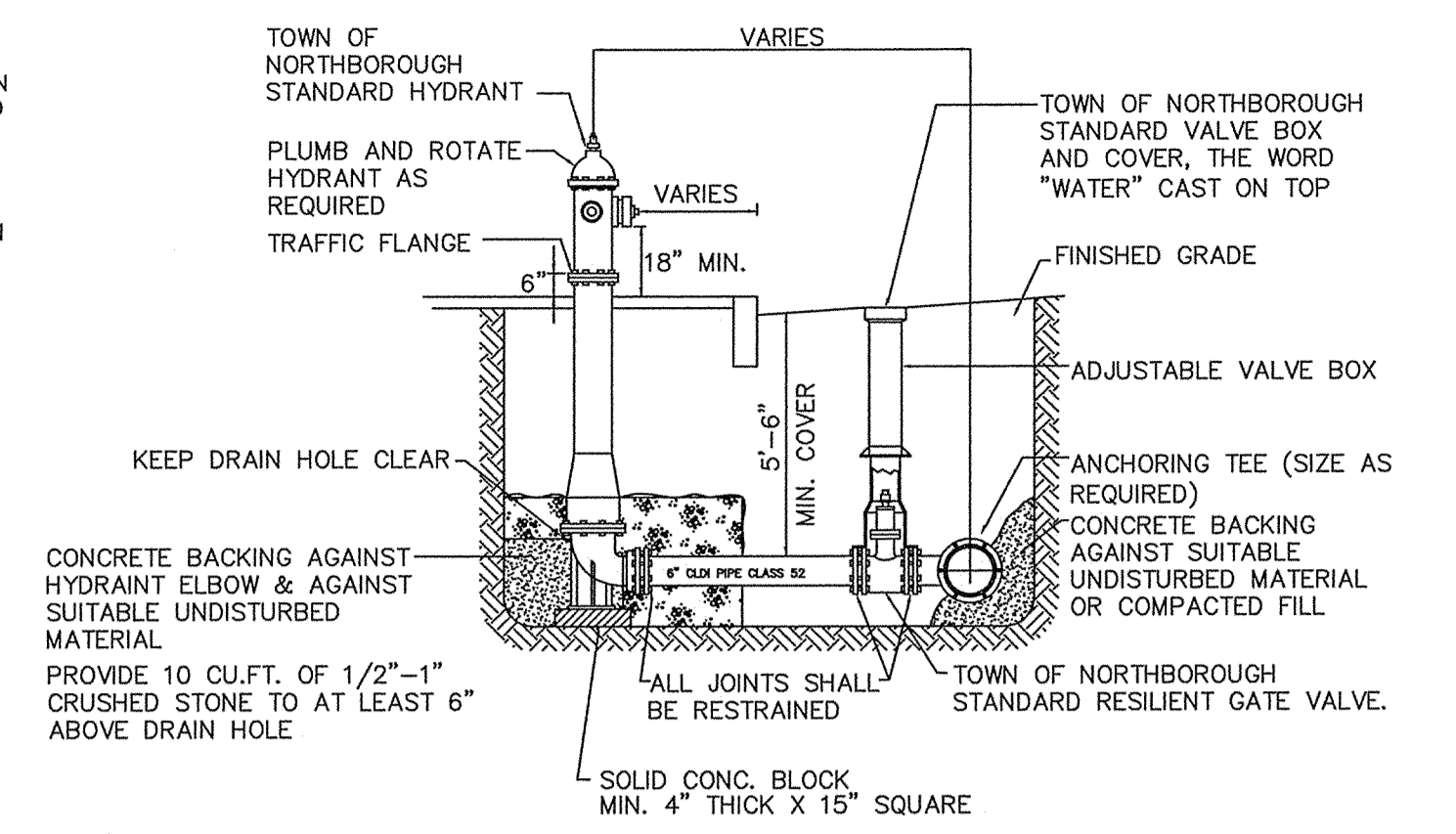
SCALE: NONE **SHEET:** 4 OF 5.





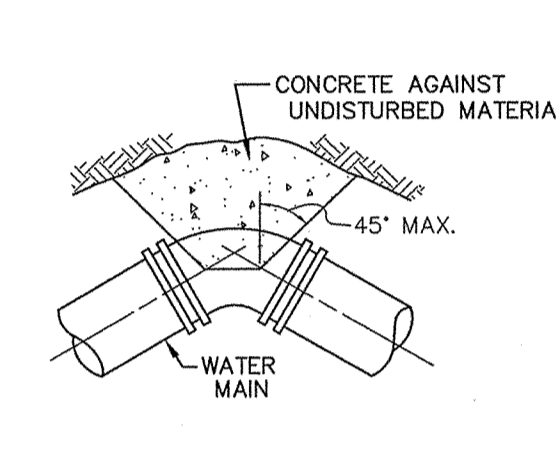
NOTES:
 PLASTIC 200 PSI TUBING SHALL MEET AWWA SPEC. AND BE 200 PSI (MIN.)
 ALL CONSTRUCTION METHODS AND MATERIALS INCLUDING CURB STOP, CORPORATION STOP, SERVICE PIPE, SERVICE BOX, VALVES, AND METER SHALL BE IN ACCORDANCE WITH THE TOWN OF NORTHBOROUGH DPW STANDARDS AND SPECIFICATIONS.

TYPICAL WATER SERVICE CONNECTION
 NOT TO SCALE

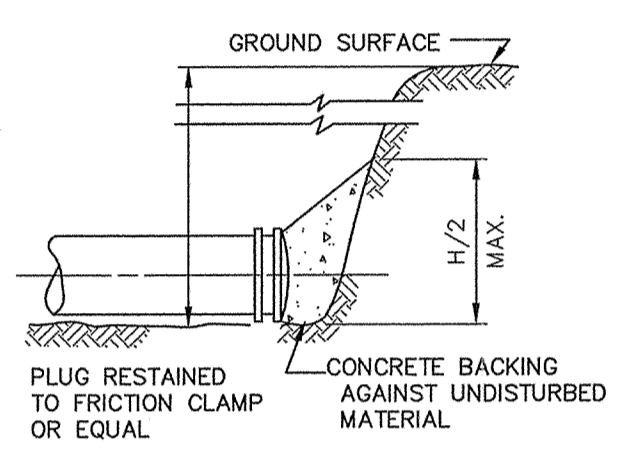


CONCRETE BACKING AGAINST SUITABLE UNDISTURBED MATERIAL
 PROVIDE 10 CU.FT. OF 1/2"-1" CRUSHED STONE TO AT LEAST 6" ABOVE DRAIN HOLE
 ALL JOINTS SHALL BE RESTRAINED
 SOLID CONC. BLOCK MIN. 4" THICK X 15" SQUARE

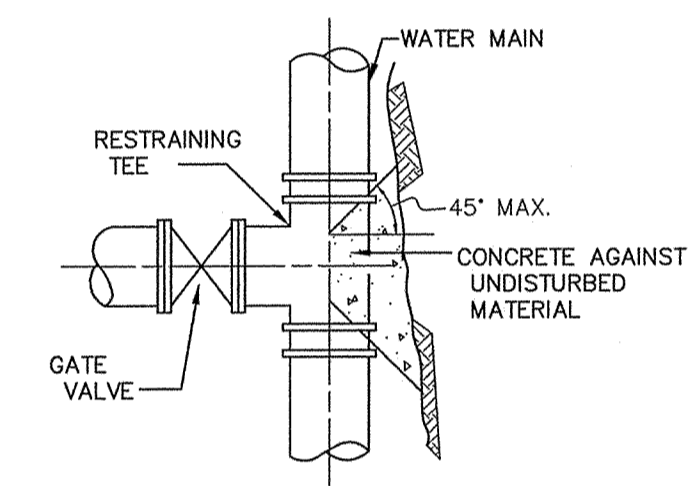
TYPICAL HYDRANT & VALVE DETAIL
 NOT TO SCALE



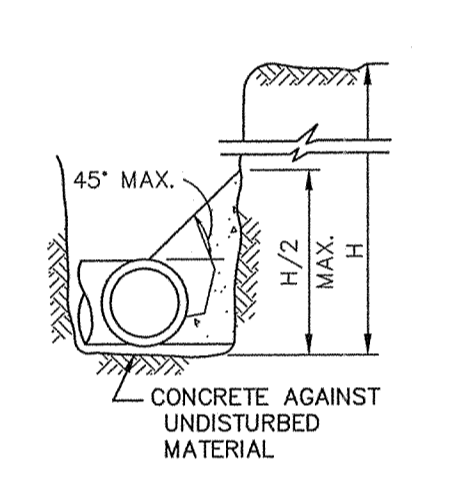
TYPICAL BEND



TYPICAL PLUG



TYPICAL TEE & VALVE

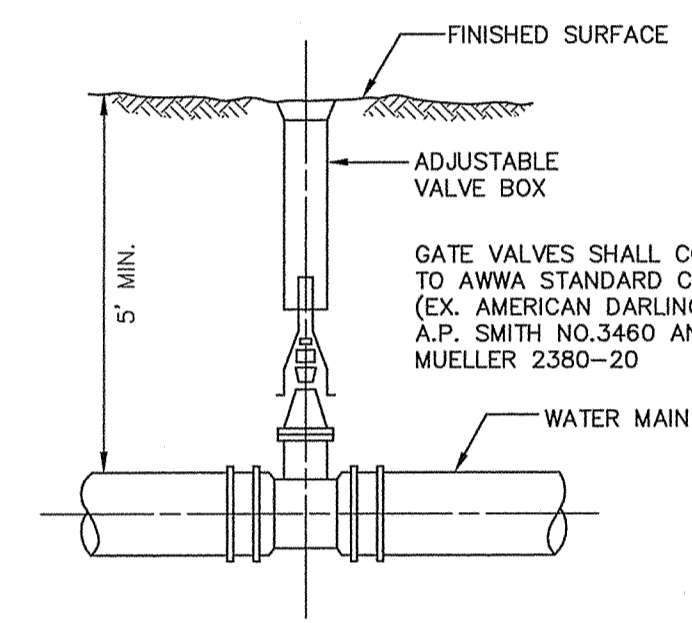


TYPICAL SECTION

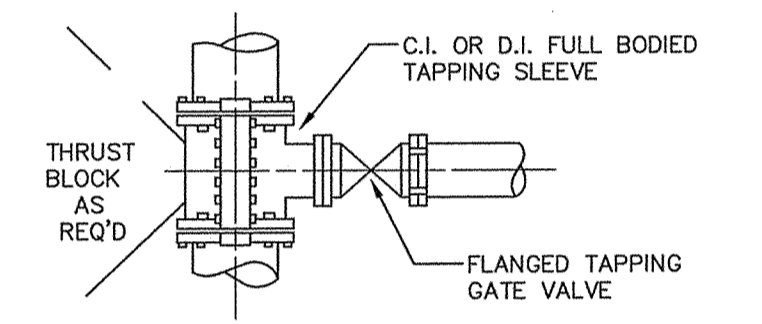
NOTE: CONCRETE FOR THRUST BLOCKS SHALL BE NO LONGER THAN THE RATIO OF 2 1/2 : 5 1/2 AND SHALL HAVE A MINIMUM COMPRESSION STRENGTH OF 2000 PSI (SO THAT FLANGES AND BOLTS ARE ACCESSIBLE.)

BEARING AREAS OF THRUST BLOCKS (BEARING AREA IN SQUARE FT.)				
PIPE SIZE INCHES	1/4 BEND	1/8 BEND	1/16 BEND OR LESS	PLUG TEES
6 AND 8	8	8		8
10 AND 12	22	13	8	16

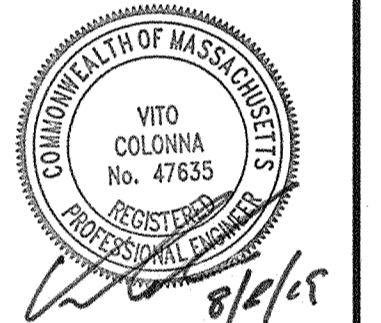
TYPICAL THRUST BLOCK DETAIL
 NOT TO SCALE



TYPICAL GATE VALVE
 NOT TO SCALE



TAPPING SLEEVE AND VALVE DETAILS
 NOT TO SCALE



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REVISED:	DESCRIPTION:
DRAWN BY: REM	CHECK BY: VC
DATE: AUGUST 8, 2018	
SCALE: NONE	SHEET 5 OF 5.

APPROVED BY:
 SUDBURY PLANNING BOARD

DATE: _____