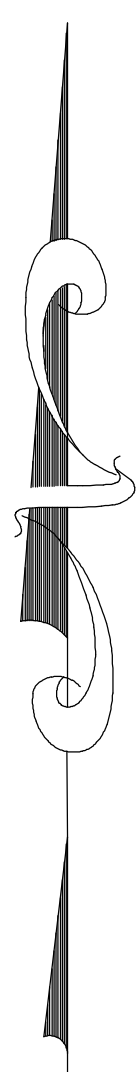
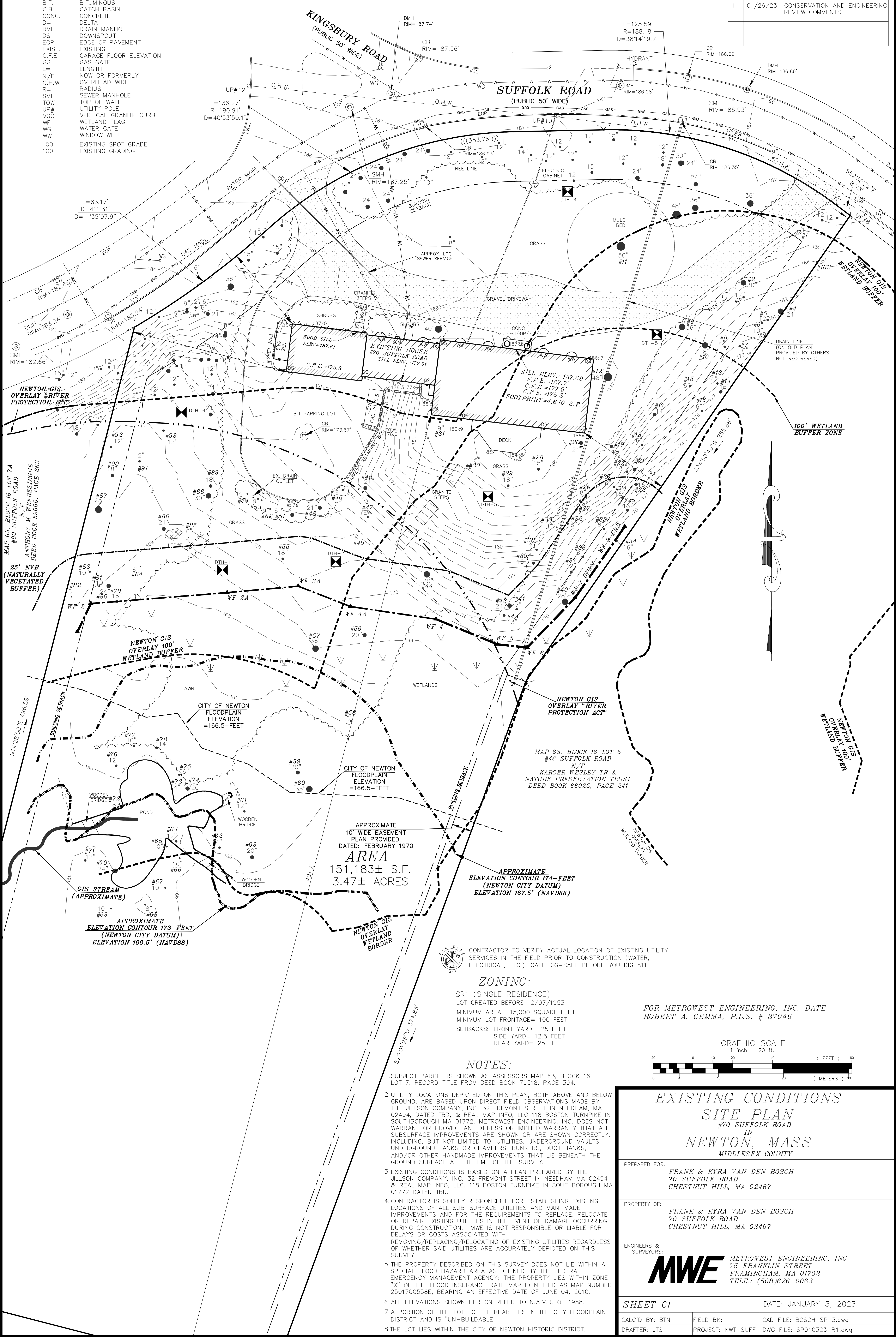


REVISIONS:

NO.	DATE	DESCRIPTION
1	01/26/23	CONSERVATION AND ENGINEERING REVIEW COMMENTS

LEGEND

- BIT. BITUMINOUS
- C.B. CATCH BASIN
- CONC. CONCRETE
- D= DELTA
- DMH DRAIN MANHOLE
- DS DOWNSPOUT
- EOP EDGE OF PAVEMENT
- EXIST. EXISTING
- G.F.E. GARAGE FLOOR ELEVATION
- GG GAS GATE
- L= LENGTH
- N/F NOW OR FORMERLY
- O.H.W. OVERHEAD WIRE
- R= RADIUS
- SMH SEWER MANHOLE
- TOW TOP OF WALL
- UP# UTILITY POLE
- VCC VERTICAL GRANITE CURB
- WF WETLAND FLAG
- WG WATER GATE
- WW WINDOW WELL
- 100 EXISTING SPOT GRADE
- 100 EXISTING GRADING

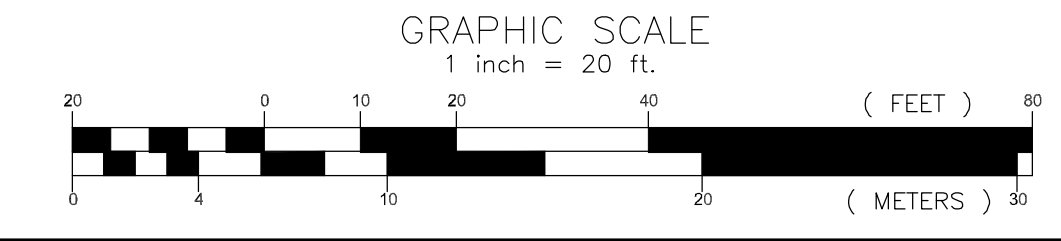


CONTRACTOR TO VERIFY ACTUAL LOCATION OF EXISTING UTILITY SERVICES IN THE FIELD PRIOR TO CONSTRUCTION (WATER, ELECTRICAL, ETC.). CALL DIG-SAFE BEFORE YOU DIG 811.

ZONING:
 SR1 (SINGLE RESIDENCE)
 LOT CREATED BEFORE 12/07/1953
 MINIMUM AREA= 15,000 SQUARE FEET
 MINIMUM LOT FRONTAGE= 100 FEET
 SETBACKS: FRONT YARD= 25 FEET
 SIDE YARD= 12.5 FEET
 REAR YARD= 25 FEET

- NOTES:**
- SUBJECT PARCEL IS SHOWN AS ASSESSORS MAP 63, BLOCK 16, LOT 7. RECORD TITLE FROM DEED BOOK 79518, PAGE 394.
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 - THE PROPERTY DESCRIBED ON THIS SURVEY DOES NOT LIE WITHIN A SPECIAL FLOOD HAZARD AREA AS DEFINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY; THE PROPERTY LIES WITHIN ZONE "X" OF THE FLOOD INSURANCE RATE MAP IDENTIFIED AS MAP NUMBER 25017C0558E, BEARING AN EFFECTIVE DATE OF JUNE 04, 2010.
 - ALL ELEVATIONS SHOWN HEREON REFER TO N.A.V.D. OF 1988.
 - A PORTION OF THE LOT TO THE REAR LIES IN THE CITY FLOODPLAIN DISTRICT AND IS "UN-BUILDABLE"
 - THE LOT LIES WITHIN THE CITY OF NEWTON HISTORIC DISTRICT.

FOR METROWEST ENGINEERING, INC. DATE
 ROBERT A. CEMMA, P.L.S. # 37046



EXISTING CONDITIONS SITE PLAN
 #70 SUFFOLK ROAD
 IN
NEWTON, MASS
 MIDDLESEX COUNTY

PREPARED FOR:
FRANK & KYRA VAN DEN BOSCH
 70 SUFFOLK ROAD
 CHESTNUT HILL, MA 02467

PROPERTY OF:
FRANK & KYRA VAN DEN BOSCH
 70 SUFFOLK ROAD
 CHESTNUT HILL, MA 02467

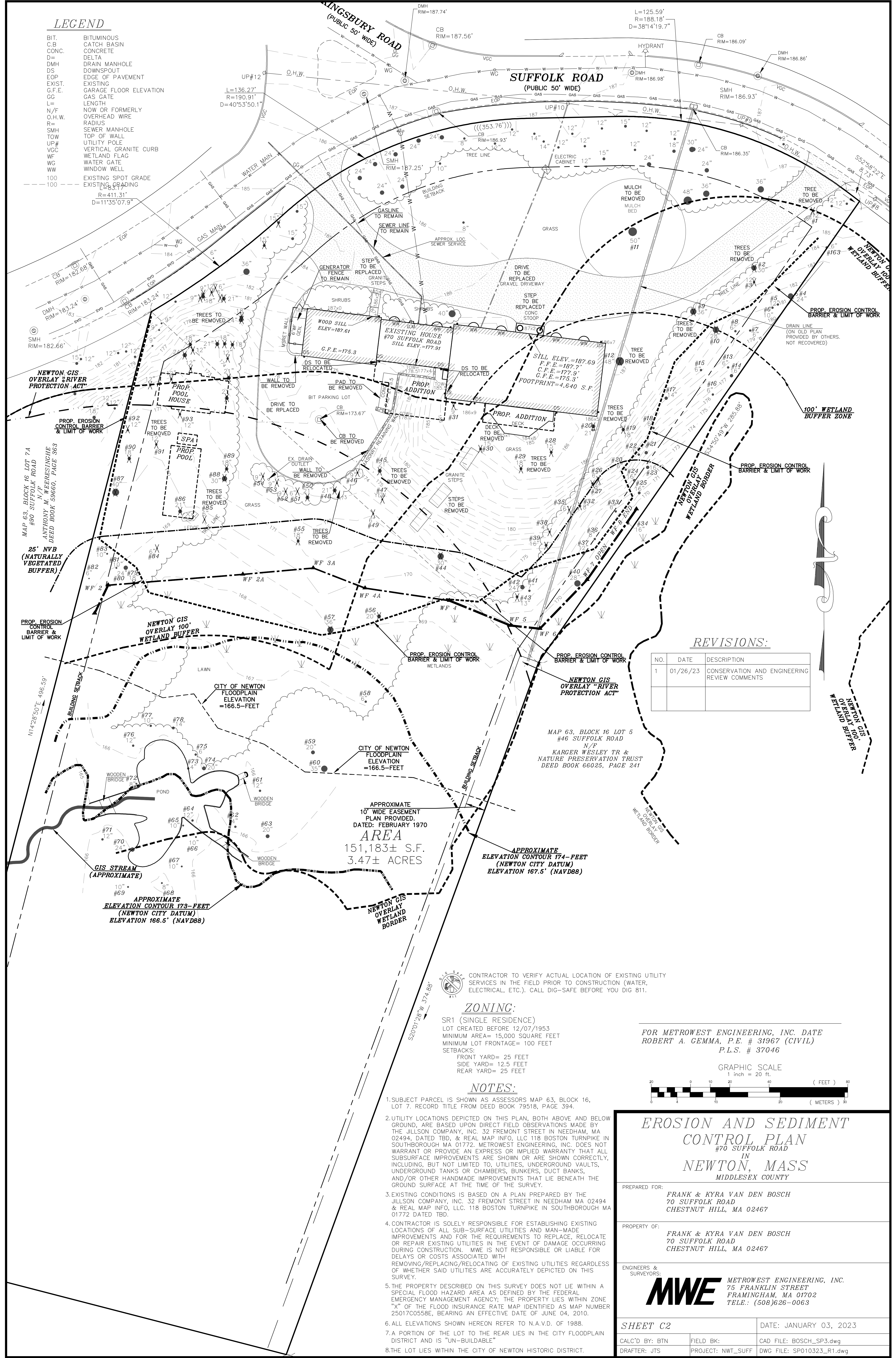
ENGINEERS & SURVEYORS:
METROWEST ENGINEERING, INC.
 75 FRANKLIN STREET
 FRAMINGHAM, MA 01702
 TELE.: (508)626-0063

SHEET C1 DATE: JANUARY 3, 2023

CALC'D BY: BTN FIELD BK: CAD FILE: BOSCH_SP 3.dwg
 DRAFTER: JTS PROJECT: NWT_SUFF DWG FILE: SPO10323_R1.dwg

LEGEND

- BIT. BITUMINOUS
- C.B. CATCH BASIN
- CONC. CONCRETE
- D= DELTA
- DMH DRAIN MANHOLE
- DS DOWNSPOUT
- EOP EDGE OF PAVEMENT
- EXIST. EXISTING
- G.F.E. GARAGE FLOOR ELEVATION
- GG GAS GATE
- L= LENGTH
- N/F NOW OR FORMERLY
- O.H.W. OVERHEAD WIRE
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- UP# UTILITY POLE
- VGC VERTICAL GRANITE CURB
- WF WETLAND FLAG
- WG WATER GATE
- WW WINDOW WELL
- 100 EXISTING SPOT GRADE
- 100 EXISTING GRADING



REVISIONS:

NO.	DATE	DESCRIPTION
1	01/26/23	CONSERVATION AND ENGINEERING REVIEW COMMENTS

MAP 63, BLOCK 16 LOT 5
 #46 SUFFOLK ROAD
 N/F
 KARGER WESLEY TR &
 NATURE PRESERVATION TRUST
 DEED BOOK 66025, PAGE 241

APPROXIMATE
 10' WIDE EASEMENT
 PLAN PROVIDED.
 DATED: FEBRUARY 1970
AREA
 151,183± S.F.
 3.47± ACRES

CONTRACTOR TO VERIFY ACTUAL LOCATION OF EXISTING UTILITY SERVICES IN THE FIELD PRIOR TO CONSTRUCTION (WATER, ELECTRICAL, ETC.). CALL DIG-SAFE BEFORE YOU DIG 811.

ZONING:

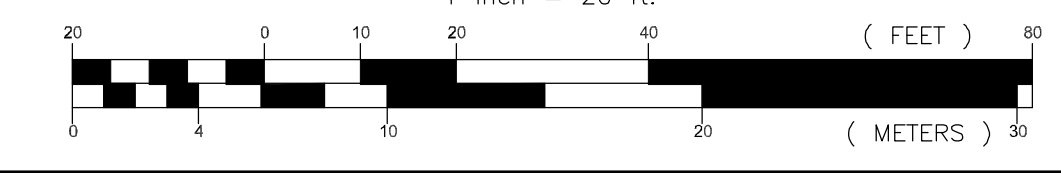
- SR1 (SINGLE RESIDENCE)
- LOT CREATED BEFORE 12/07/1953
- MINIMUM AREA= 15,000 SQUARE FEET
- MINIMUM LOT FRONTAGE= 100 FEET
- SETBACKS:
- FRONT YARD= 25 FEET
- SIDE YARD= 12.5 FEET
- REAR YARD= 25 FEET

NOTES:

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6. ALL ELEVATIONS SHOWN HEREON REFER TO N.A.V.D. OF 1988.
7. A PORTION OF THE LOT TO THE REAR LIES IN THE CITY FLOODPLAIN DISTRICT AND IS "UN-BUILDABLE"
8. THE LOT LIES WITHIN THE CITY OF NEWTON HISTORIC DISTRICT.

FOR METROWEST ENGINEERING, INC. DATE
 ROBERT A. CEMMA, P.E. # 31967 (CIVIL)
 P.L.S. # 37046

GRAPHIC SCALE
 1 inch = 20 ft.



EROSION AND SEDIMENT CONTROL PLAN
 #70 SUFFOLK ROAD
 IN
NEWTON, MASS
 MIDDLESEX COUNTY

PREPARED FOR:
 FRANK & KYRA VAN DEN BOSCH
 70 SUFFOLK ROAD
 CHESTNUT HILL, MA 02467

PROPERTY OF:
 FRANK & KYRA VAN DEN BOSCH
 70 SUFFOLK ROAD
 CHESTNUT HILL, MA 02467

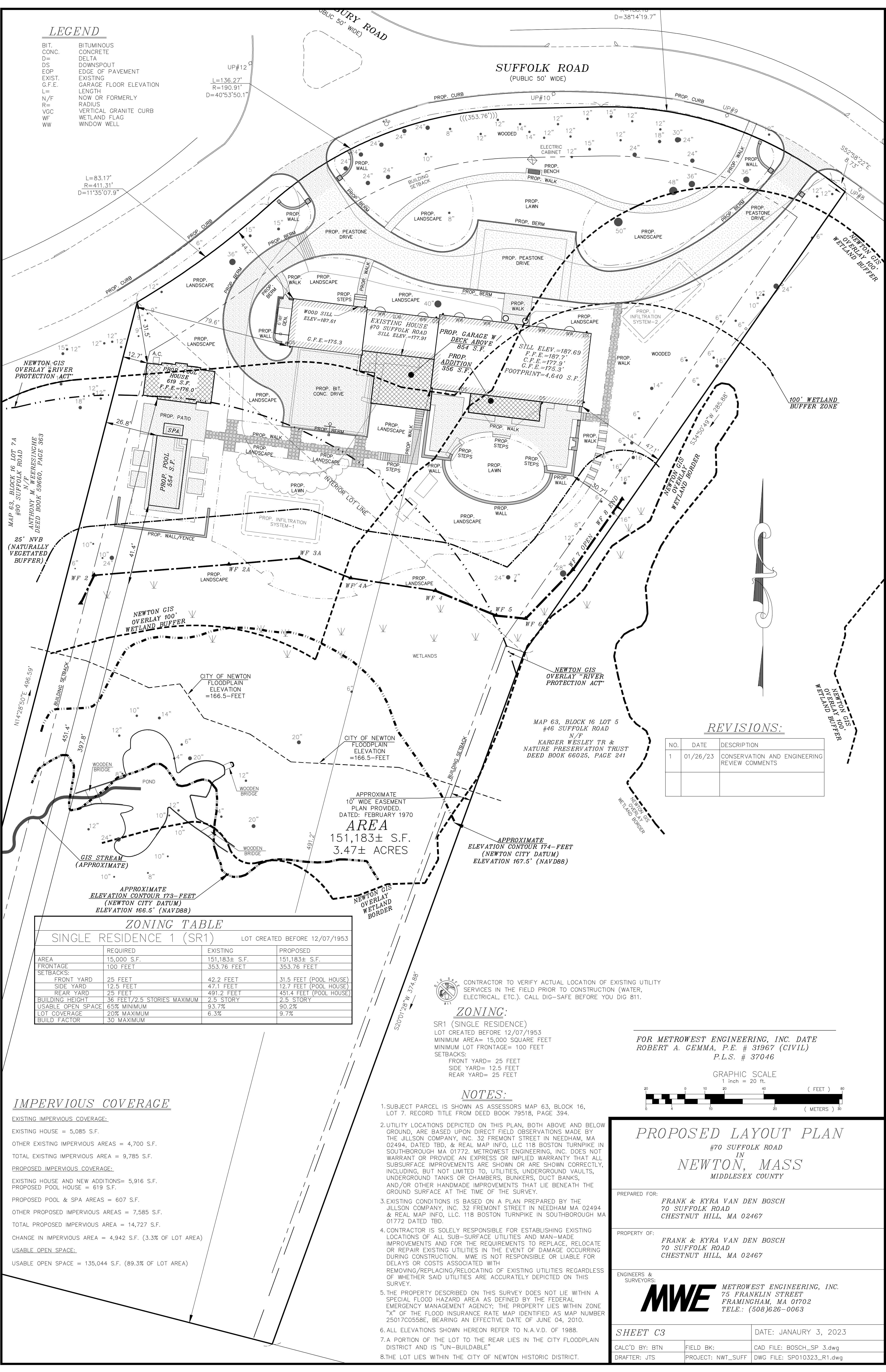
ENGINEERS & SURVEYORS:
METROWEST ENGINEERING, INC.
 75 FRANKLIN STREET
 FRAMINGHAM, MA 01702
 TELE: (508)626-0063

SHEET C2 DATE: JANUARY 03, 2023

CALC'D BY: BTN FIELD BK: CAD FILE: BOSCH_SP3.dwg
 DRAFTER: JTS PROJECT: NWT_SUFF DWG FILE: SPO10323_R1.dwg

LEGEND

BIT.	BITUMINOUS
CONC.	CONCRETE
D=	DELTA
DS	DOWNSPOUT
EOP	EDGE OF PAVEMENT
EXIST.	EXISTING
G.F.E.	GARAGE FLOOR ELEVATION
L=	LENGTH
N/F	NOW OR FORMERLY
R=	RADIUS
VGC	VERTICAL GRANITE CURB
WF	WETLAND FLAG
WW	WINDOW WELL



REVISIONS:

NO.	DATE	DESCRIPTION
1	01/26/23	CONSERVATION AND ENGINEERING REVIEW COMMENTS

APPROXIMATE
10' WIDE EASEMENT
PLAN PROVIDED.
DATED: FEBRUARY 1970
AREA
151,183± S.F.
3.47± ACRES

APPROXIMATE
ELEVATION CONTOUR 174- FEET
(NEWTON CITY DATUM)
ELEVATION 167.5' (NAVD88)

APPROXIMATE
ELEVATION CONTOUR 173- FEET
(NEWTON CITY DATUM)
ELEVATION 166.5' (NAVD88)

ZONING TABLE			
SINGLE RESIDENCE 1 (SR1) LOT CREATED BEFORE 12/07/1953			
	REQUIRED	EXISTING	PROPOSED
AREA	15,000 S.F.	151,183± S.F.	151,183± S.F.
FRONTAGE	100 FEET	353.76 FEET	353.76 FEET
SETBACKS:			
FRONT YARD	25 FEET	42.2 FEET	31.5 FEET (POOL HOUSE)
SIDE YARD	12.5 FEET	47.1 FEET	12.7 FEET (POOL HOUSE)
REAR YARD	25 FEET	491.2 FEET	451.4 FEET (POOL HOUSE)
BUILDING HEIGHT	36 FEET / 2.5 STORIES MAXIMUM	2.5 STORY	2.5 STORY
USABLE OPEN SPACE	68% MINIMUM	93.7%	90.2%
LOT COVERAGE	20% MAXIMUM	6.3%	9.7%
BUILD FACTOR	30 MAXIMUM		

CONTRACTOR TO VERIFY ACTUAL LOCATION OF EXISTING UTILITY SERVICES IN THE FIELD PRIOR TO CONSTRUCTION (WATER, ELECTRICAL, ETC.). CALL DIG-SAFE BEFORE YOU DIG 811.

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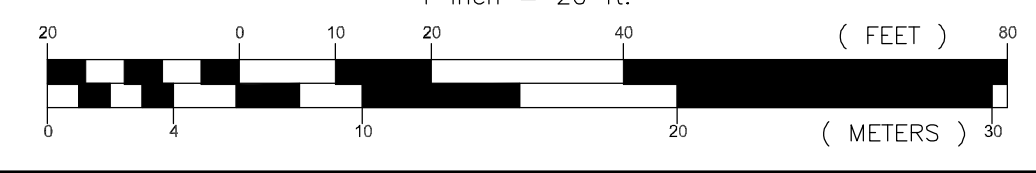
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- THE LOT LIES WITHIN THE CITY OF NEWTON HISTORIC DISTRICT.

FOR METROWEST ENGINEERING, INC. DATE
ROBERT A. CEMMA, P.E. # 31967 (CIVIL)
P.L.S. # 37046

GRAPHIC SCALE
1 inch = 20 ft.



IMPERVIOUS COVERAGE

EXISTING IMPERVIOUS COVERAGE:
EXISTING HOUSE = 5,085 S.F.
OTHER EXISTING IMPERVIOUS AREAS = 4,700 S.F.
TOTAL EXISTING IMPERVIOUS AREA = 9,785 S.F.

PROPOSED IMPERVIOUS COVERAGE:
EXISTING HOUSE AND NEW ADDITIONS= 5,916 S.F.
PROPOSED POOL HOUSE = 619 S.F.
PROPOSED POOL & SPA AREAS = 607 S.F.
OTHER PROPOSED IMPERVIOUS AREAS = 7,585 S.F.
TOTAL PROPOSED IMPERVIOUS AREA = 14,727 S.F.
CHANGE IN IMPERVIOUS AREA = 4,942 S.F. (3.3% OF LOT AREA)

USABLE OPEN SPACE:
USABLE OPEN SPACE = 135,044 S.F. (89.3% OF LOT AREA)

PROPOSED LAYOUT PLAN
#70 SUFFOLK ROAD
IN
NEWTON, MASS
MIDDLESEX COUNTY

PREPARED FOR: **FRANK & KYRA VAN DEN BOSCH**
70 SUFFOLK ROAD
CHESTNUT HILL, MA 02467

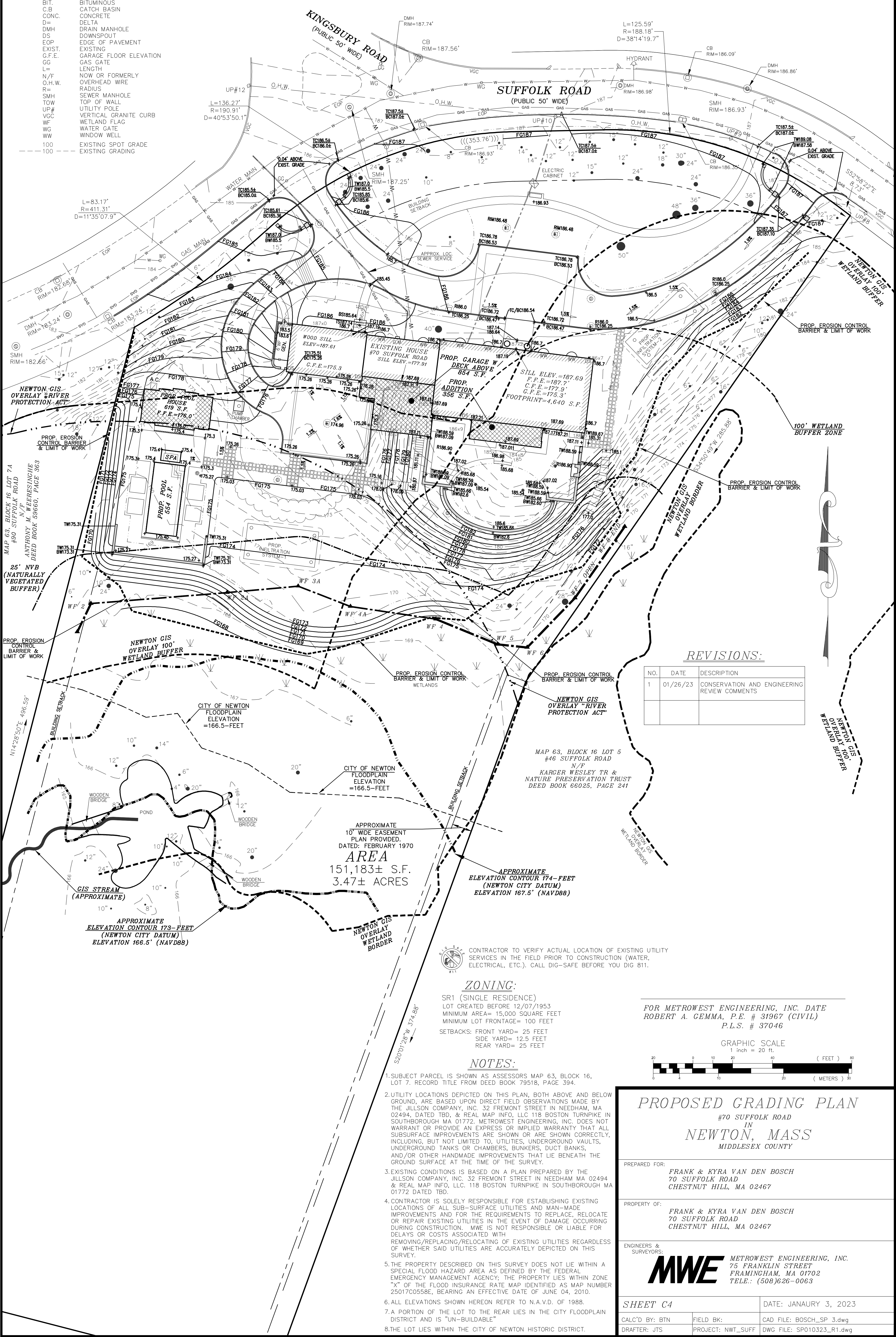
PROPERTY OF: **FRANK & KYRA VAN DEN BOSCH**
70 SUFFOLK ROAD
CHESTNUT HILL, MA 02467

ENGINEERS & SURVEYORS:
MWE METROWEST ENGINEERING, INC.
75 FRANKLIN STREET
FRAMINGHAM, MA 01702
TELE: (508)626-0063

SHEET C3 DATE: JANUARY 3, 2023
CALC'D BY: BTN FIELD BK: CAD FILE: BOSCH_SP 3.dwg
DRAFTER: JTS PROJECT: NWT_SUFF DWG FILE: SP010323_R1.dwg

LEGEND

- BIT. BITUMINOUS
- C.B. CATCH BASIN
- CONC. CONCRETE
- D= DELTA
- DMH DRAIN MANHOLE
- DS DOWNSPOUT
- EOP EDGE OF PAVEMENT
- EXIST. EXISTING
- G.F.E. GARAGE FLOOR ELEVATION
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- TOW TOP OF WALL
- UP# UTILITY POLE
- VCC VERTICAL GRANITE CURB
- WF WETLAND FLAG
- WG WATER GATE
- WW WINDOW WELL
- 100 EXISTING SPOT GRADE
- 100 EXISTING GRADING



REVISIONS:

NO.	DATE	DESCRIPTION
1	01/26/23	CONSERVATION AND ENGINEERING REVIEW COMMENTS

MAP 63, BLOCK 16 LOT 5
#46 SUFFOLK ROAD
N/F
KARGER WESLEY TR &
NATURE PRESERVATION TRUST
DEED BOOK 66025, PAGE 241

APPROXIMATE
10' WIDE EASEMENT
PLAN PROVIDED.
DATED: FEBRUARY 1970
AREA
151,183± S.F.
3.47± ACRES

APPROXIMATE
ELEVATION CONTOUR 174- FEET
(NEWTON CITY DATUM)
ELEVATION 167.5' (NAVD88)

APPROXIMATE
ELEVATION CONTOUR 173- FEET
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ELEVATION 166.5' (NAVD88)

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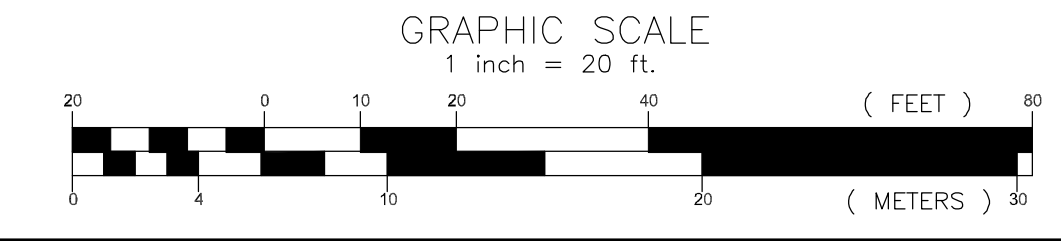
ZONING:

- SR1 (SINGLE RESIDENCE)
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- MINIMUM AREA= 15,000 SQUARE FEET
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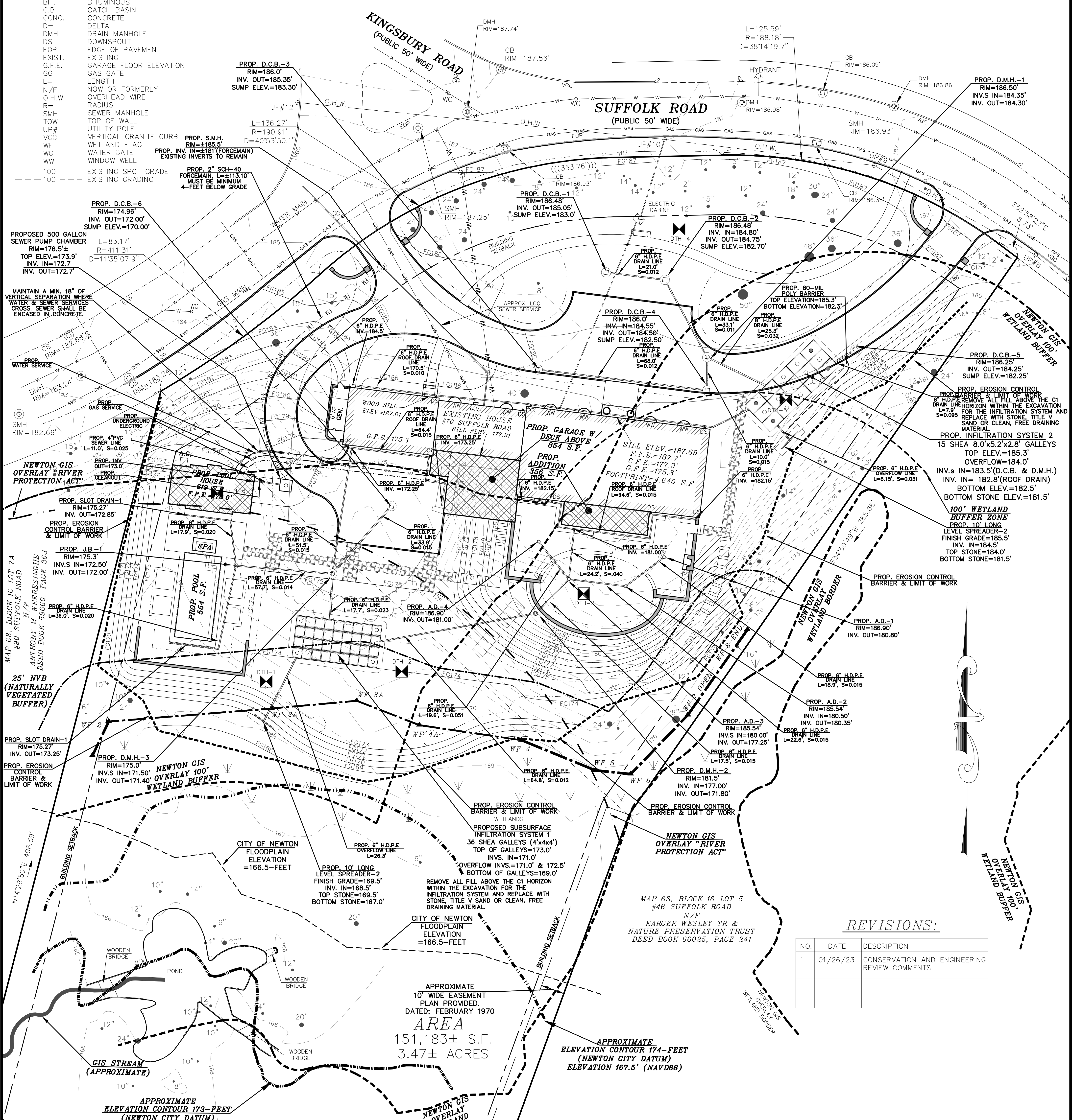


PROPOSED GRADING PLAN
#70 SUFFOLK ROAD
IN
NEWTON, MASS
MIDDLESEX COUNTY

PREPARED FOR:	FRANK & KYRA VAN DEN BOSCH 70 SUFFOLK ROAD CHESTNUT HILL, MA 02467	
PROPERTY OF:	FRANK & KYRA VAN DEN BOSCH 70 SUFFOLK ROAD CHESTNUT HILL, MA 02467	
ENGINEERS & SURVEYORS:	 METROWEST ENGINEERING, INC. 75 FRANKLIN STREET FRAMINGHAM, MA 01702 TELE.: (508)626-0063	
SHEET C4	DATE: JANUARY 3, 2023	
CALC'D BY: BTN	FIELD BK:	CAD FILE: BOSCH_SP 3.dwg
DRAFTER: JTS	PROJECT: NWT_SUFF	DWG FILE: SPO10323_R1.dwg

LEGEND

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- WF WETLAND FLAG
- WG WATER GATE
- WW WINDOW WELL
- 100 EXISTING SPOT GRADE
- 100 EXISTING GRADING



REVISIONS:

NO.	DATE	DESCRIPTION
1	01/26/23	CONSERVATION AND ENGINEERING REVIEW COMMENTS

SOIL TEST RESULTS

SOIL LOGS No.	SOIL TEST RESULTS	SOIL LOGS No.	SOIL TEST RESULTS	SOIL LOGS No.	SOIL TEST RESULTS
DTH-1 (ELEV.=169.3')	0"-40" FILL 40"-62" C1 SANDY LOAM 2.5Y 5/2 62"-84" C2 SANDY LOAM 2.5Y 5/1 NO REFUSAL MOTTLING @ 50" 25% 7.5 YR5/6 WATER STANDING @ 84" WATER WEeping @ 52"	DTH-2 (ELEV.=171.2')	0"-50" FILL 50"-66" A SANDY LOAM 10YR3/2 66"-70" C2 SANDY LOAM 2.5Y 5/2 NO REFUSAL NO MOTTLING OBSERVED NO STANDING OR WEeping WATER	DTH-3 (ELEV.=171.2')	0"-70" FILL 70"-102" C1 LOAMY SAND 7.5YR 5/6 NO REFUSAL NO MOTTLING OBSERVED NO STANDING OR WEeping WATER

SOIL TEST RESULTS

SOIL LOGS No.	SOIL TEST RESULTS	SOIL LOGS No.	SOIL TEST RESULTS	SOIL LOGS No.	SOIL TEST RESULTS
DTH-4 (ELEV.=186.4')	0"-38" FILL REFUSAL @38" NO MOTTLING OBSERVED NO STANDING OR WEeping WATER	DTH-5 (ELEV.=186.5')	0"-66" FILL REFUSAL DUE TO LARGE BOULDERS NO MOTTLING OBSERVED NO STANDING OR WEeping WATER	DTH-6 (ELEV.=172.0')	0"-56" FILL 56"-68" C1 SANDY LOAM 2.5Y 5/2 68"-96" C2 LOAMY SAND 2.5Y 4/3 NO REFUSAL MOTTLING @58 7.5YR 5/8 (15%) NO STANDING OR WEeping WATER

APPROXIMATE
10' WIDE EASEMENT
DATED: FEBRUARY 1970
AREA
151,183± S.F.
3.47± ACRES

CONTRACTOR TO VERIFY ACTUAL LOCATION OF EXISTING UTILITY SERVICES IN THE FIELD PRIOR TO CONSTRUCTION (WATER, ELECTRICAL, ETC.). CALL DIG-SAFE BEFORE YOU DIG 811.

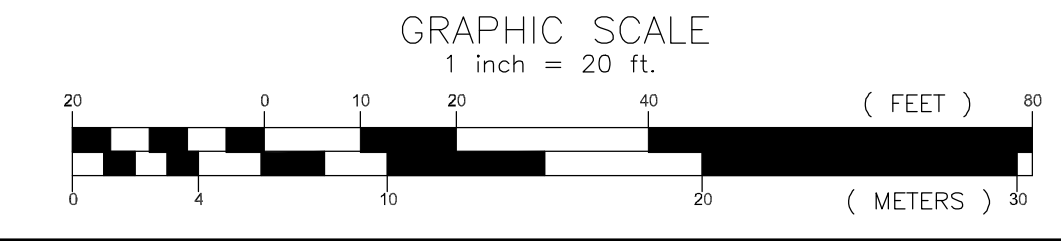
ZONING:

SR1 (SINGLE RESIDENCE)
LOT CREATED BEFORE 12/07/1953
MINIMUM AREA= 15,000 SQUARE FEET
MINIMUM LOT FRONTAGE= 100 FEET
SETBACKS:
FRONT YARD= 25 FEET
SIDE YARD= 12.5 FEET
REAR YARD= 25 FEET

NOTES:

- SUBJECT PARCEL IS SHOWN AS ASSESSORS MAP 63, BLOCK 16, LOT 7. RECORD TITLE FROM DEED BOOK 79518, PAGE 394.
- UTILITY LOCATIONS DEPICTED ON THIS PLAN, BOTH ABOVE AND BELOW GROUND, ARE BASED UPON DIRECT FIELD OBSERVATIONS MADE BY THE JILLSON COMPANY, INC. 32 FREMONT STREET IN NEEDHAM, MA 02494, DATED TBD, & REAL MAP INFO, LLC 118 BOSTON TURNPIKE IN SOUTHBOROUGH MA 01772. METROWEST ENGINEERING, INC. DOES NOT WARRANT OR PROVIDE AN EXPRESS OR IMPLIED WARRANTY THAT ALL SUBSURFACE IMPROVEMENTS ARE SHOWN OR ARE SHOWN CORRECTLY, INCLUDING, BUT NOT LIMITED TO, UTILITIES, UNDERGROUND VAULTS, UNDERGROUND TANKS OR CHAMBERS, BUNKERS, DUCT BANKS, AND/OR OTHER HANDMADE IMPROVEMENTS THAT LIE BENEATH THE GROUND SURFACE AT THE TIME OF THE SURVEY.
- EXISTING CONDITIONS IS BASED ON A PLAN PREPARED BY THE JILLSON COMPANY, INC. 32 FREMONT STREET IN NEEDHAM MA 02494 & REAL MAP INFO, LLC. 118 BOSTON TURNPIKE IN SOUTHBOROUGH MA 01772 DATED TBD.
- CONTRACTOR IS SOLELY RESPONSIBLE FOR ESTABLISHING EXISTING LOCATIONS OF ALL SUB-SURFACE UTILITIES AND MAN-MADE IMPROVEMENTS AND FOR THE REQUIREMENTS TO REPLACE, RELOCATE OR REPAIR EXISTING UTILITIES IN THE EVENT OF DAMAGE OCCURRING DURING CONSTRUCTION. MWE IS NOT RESPONSIBLE OR LIABLE FOR DELAYS OR COSTS ASSOCIATED WITH REMOVING/REPLACING/RELOCATING OF EXISTING UTILITIES REGARDLESS OF WHETHER SAID UTILITIES ARE ACCURATELY DEPICTED ON THIS SURVEY.
- THE PROPERTY DESCRIBED ON THIS SURVEY DOES NOT LIE WITHIN A SPECIAL FLOOD HAZARD AREA AS DEFINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY; THE PROPERTY LIES WITHIN ZONE "X" OF THE FLOOD INSURANCE RATE MAP IDENTIFIED AS MAP NUMBER 2501700558E, BEARING AN EFFECTIVE DATE OF JUNE 04, 2010.
- ALL ELEVATIONS SHOWN HEREON REFER TO N.A.V.D. OF 1988.
- A PORTION OF THE LOT TO THE REAR LIES IN THE CITY FLOODPLAIN DISTRICT AND IS "UN-BUILDABLE"
- THE LOT LIES WITHIN THE CITY OF NEWTON HISTORIC DISTRICT.

FOR METROWEST ENGINEERING, INC. DATE
ROBERT A. CEMMA, P.E. # 31967 (CIVIL)
P.L.S. # 37046



PROPOSED SITE PLAN
#70 SUFFOLK ROAD
IN
NEWTON, MASS
MIDDLESEX COUNTY

PREPARED FOR:	FRANK & KYRA VAN DEN BOSCH 70 SUFFOLK ROAD CHESTNUT HILL, MA 02467
PROPERTY OF:	FRANK & KYRA VAN DEN BOSCH 70 SUFFOLK ROAD CHESTNUT HILL, MA 02467
ENGINEERS & SURVEYORS:	MWE METROWEST ENGINEERING, INC. 75 FRANKLIN STREET FRAMINGHAM, MA 01702 TELE: (508)626-0063
SHEET C5	DATE: JANUARY 3, 2023
CALC'D BY: BTN	FIELD BK:
DRAFTER: JTS	PROJECT: NWT_SUFF
	CAD FILE: BOSCH_SP_3.dwg
	DWG FILE: SPO10323_R1.dwg

PROTECTION OF STORMWATER MANAGEMENT AREAS DURING CONSTRUCTION:

CONTRACTOR SHALL EXERCISE CARE TO PROTECT THE SURFACES BENEATH AND ADJACENT TO THE PROPOSED INFILTRATION SYSTEM FROM DEGRADATION BY SURROUNDING CONSTRUCTION ACTIVITIES, INCLUDING:

- A. PREVENTION OF CONTAMINATION OF EXPOSED SUBGRADE BY CONSTRUCTION SEDIMENT.
- B. PREVENTION OF EXCESSIVE COMPACTION BY CONSTRUCTION VEHICLES.
- C. PREVENTION OF DISCHARGE OF WATER FROM DEWATERING ACTIVITIES INTO THE PROPOSED INFILTRATION SYSTEM.
- D. PREVENTION OF DISCHARGE OF STORMWATER INTO THESE FACILITIES UNTIL THE CONTRIBUTING AREAS ARE STABILIZED UNLESS SPECIFIC MEASURES ARE PROVIDED FOR PROTECTING AND RESTORING THE INFILTRATION SURFACE.

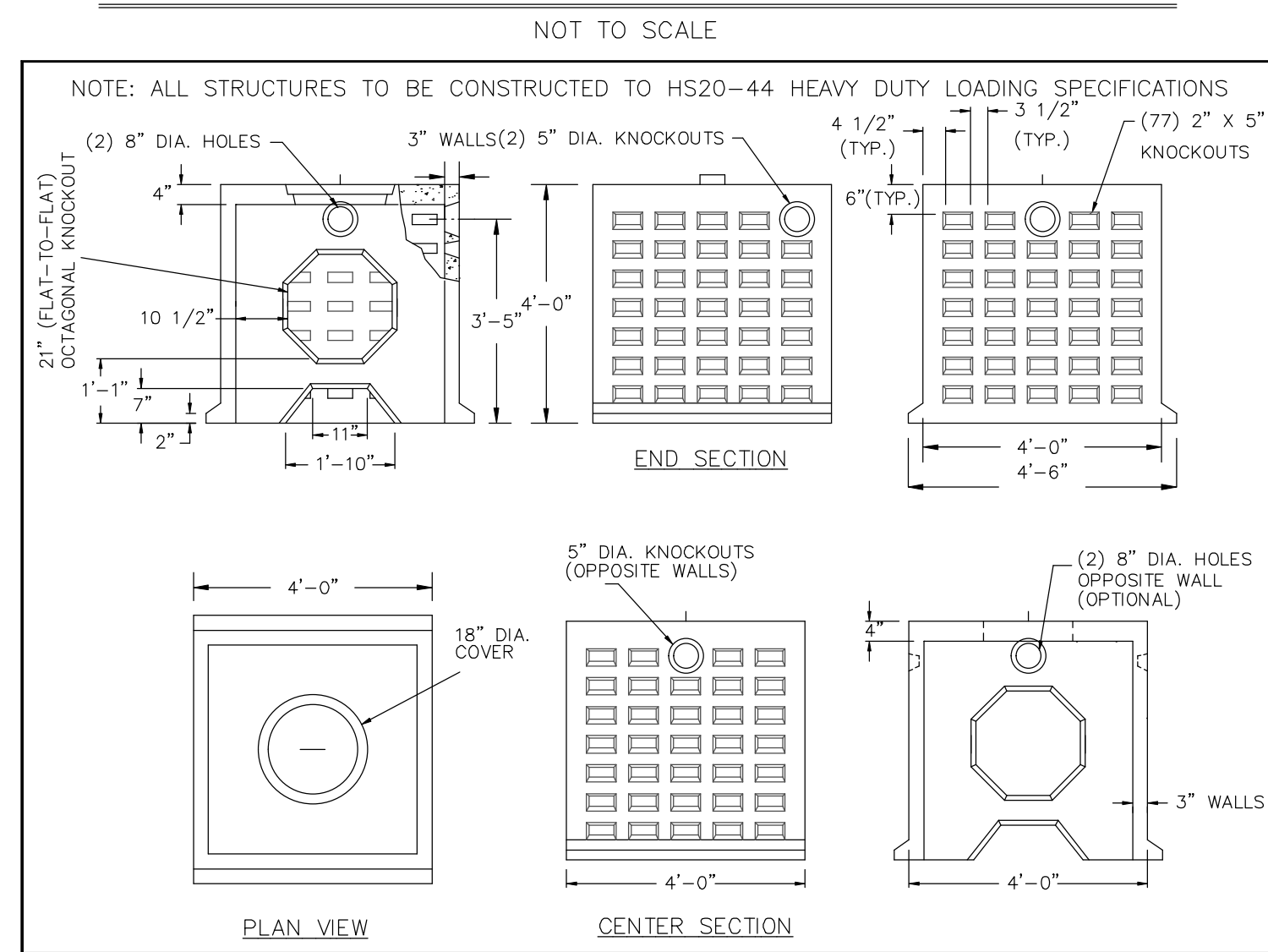
EROSION CONTROL NOTES:

- CONTRACTOR SHALL MODIFY SEDIMENTATION CONTROLS AS NECESSARY DURING CONSTRUCTION.
- CONTRACTOR SHALL INSPECT AND CLEAN ALL SILTATION CONTROL MEASURES ON A WEEKLY BASIS AND AFTER ALL STORMS WITH A PRECIPITATION AMOUNT IN EXCESS OF 1". CONTRACTOR SHALL IMMEDIATELY REPAIR ANY DEFICIENCIES FOUND ON SILTATION CONTROL MEASURES.
- CONTRACTOR SHALL MAINTAIN AN INVENTORY OF EMERGENCY SUPPLIES ON SITE IN A PROTECTED LOCATION INCLUDING, BUT NOT LIMITED TO FILTER MITT, SILT FENCE, WASHED STONE, PVC PIPE, MULCH AND SEED.
- ALL DISTURBED AREAS SHALL BE PROPERLY STABILIZED BEFORE OR THROUGH THE WINTER TO ELIMINATE DESTABILIZATION OR SILTATION DURING THE SPRING THAW.
- ANY RELEASE OF WATER FROM TEMPORARY SILTATION PONDS SHALL BE FREE OF SILT AND SEDIMENT AND SHALL MEET WATER QUALITY STANDARDS FOR CLASS B WATER IN THE COMMONWEALTH OF MASSACHUSETTS.
- IF GROUNDWATER DE-WATERING IS REQUIRED, CONTRACTOR SHALL IMPLEMENT A FILTERING SYSTEM FOR PUMPED GROUNDWATER TO REMOVE SILT AND SEDIMENT. THE DIRECT DISCHARGE OF ANY DE-WATERING OPERATION INTO A WETLAND IS PROHIBITED.
- CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ALL SEDIMENTS WHEN THEY HAVE ACCUMULATED TO A HEIGHT APPROXIMATELY EQUAL TO ONE HALF OF THE HEIGHT OF THE CORRESPONDING EROSION AND SEDIMENTATION CONTROL MEASURE.
- CONTRACTOR SHALL KEEP COPIES OF THE EROSION CONTROL PLAN AND INSPECTION REPORTS SO THEY ARE ACCESSIBLE AT ALL TIMES.
- CONTRACTOR TO PROTECT ALL DRAINAGE INLETS FROM SILT AND SEDIMENT UNTIL THEIR TRIBUTARY AREAS ARE FULLY STABILIZED.
- CONTRACTOR TO SWEEP STREET IN FRONT OF WORK AREA BI-WEEKLY OR AS NEEDED TO PREVENT ACCUMULATION OF SILT AND SEDIMENT ONTO COMMONWEALTH AVENUE.
- ALL NEWLY GRADED AREAS AND DISTURBED AREAS SHALL BE STABILIZED WITH LOAM AND SEED, OR OTHER VEGETATION OR GROUND COVER AS SOON AS CONSTRUCTION OR GRADING IN THAT AREA IS COMPLETE. AREAS SHALL BE COVERED WITH JUTE NETTING OR HAY TO PROVIDE STABILIZATION IN WINTER MONTHS.

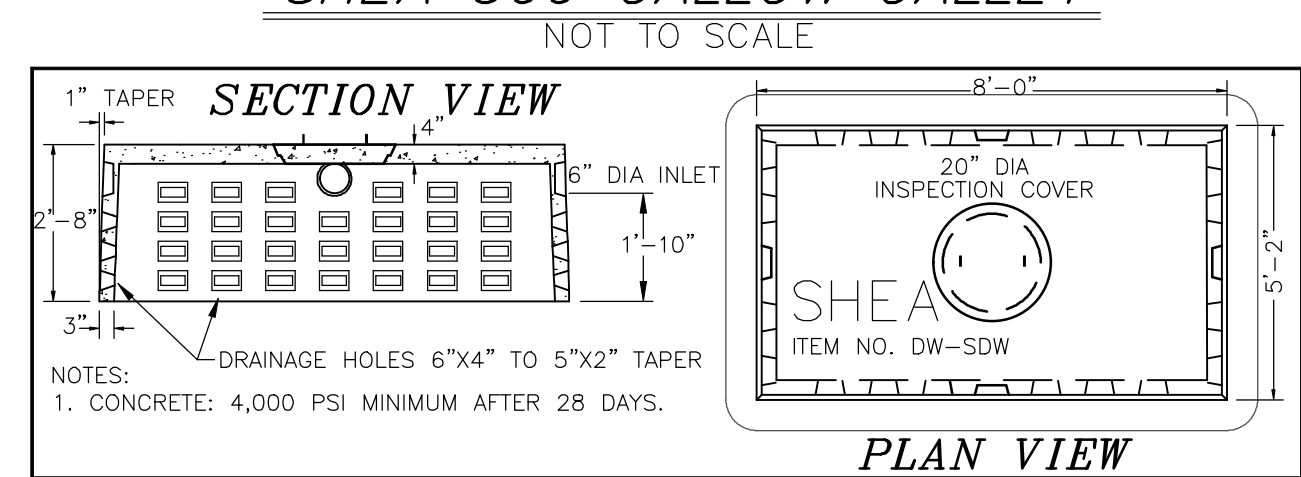
UTILITY NOTES:

- AS OF MARCH 1, 2009, ALL TRENCH EXCAVATION CONTRACTORS SHALL COMPLY WITH MASSACHUSETTS GENERAL LAWS CHAPTER B2A, TRENCH EXCAVATION SAFETY REQUIREMENTS, TO PROTECT THE GENERAL PUBLIC FROM UNAUTHORIZED ACCESS TO UNATTENDED TRENCHES. TRENCH EXCAVATION PERMIT REQUIRED. THIS APPLIES TO ALL TRENCHES ON PUBLIC AND PRIVATE PROPERTY.
- PRIOR TO THE ENGINEERING DIVISION RECOMMENDING THAT A CERTIFICATE OF OCCUPANCY BE ISSUED, AN AS-BUILT PLAN MUST BE SUBMITTED IN BOTH DIGITAL AND IN HARD COPY TO THE ASSIGNED ENGINEERING CONSTRUCTION INSPECTOR. THE AS-BUILT PLAN MUST SHOW DIMENSIONAL TIES FROM FIXED POINTS (FOUNDATION CORNERS) TO ALL SUBSURFACE COMPONENTS AS WELL AS FINAL GRADING. THE AS-BUILT PLAN MUST BE STAMPED, SIGNED AND DATED BY THE ENGINEER OF RECORD.
- ALL PLANS APPROVED AND STAMPED BY THE CITY OF NEWTON AND PERMIT SIGNED BY THE CITY OF NEWTON INSPECTOR SHALL BE ON SITE AND ACCESSIBLE DURING INSPECTIONS.
- NO EXCAVATION IS ALLOWED WITHIN ANY CITY RIGHT-OF-WAY BETWEEN NOVEMBER 15 AND APRIL 15. IF AN EMERGENCY EXISTS OR THERE ARE EXTENUATING CIRCUMSTANCES, APPLICANT MAY SEEK PERMISSION FOR SUCH WORK FROM THE CITY DPW COMMISSIONER VIA THE CITY ENGINEER. IF PERMISSION IS GRANTED, SPECIAL CONSTRUCTION STANDARDS WILL BE APPLIED. APPLICANT OR APPLICANT'S REPRESENTATIVE MUST CONTACT THE CITY OF NEWTON ENGINEERING DEPARTMENT PRIOR TO START OF WORK FOR CLARIFICATION.
- ALL WORK MUST BE DONE IN ACCORDANCE WITH THE "CITY OF NEWTON STANDARD SPECIFICATIONS" AND "CITY OF NEWTON CONSTRUCTION DETAILS", COPIES OF WHICH MAY BE OBTAINED AT THE ENGINEERING OFFICE. ALL WORK SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE CITY OF NEWTON ENGINEERING DEPARTMENT.
- THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE DESIGN ENGINEER FOR INSPECTIONS AND AS-BUILT LOCATIONS; THE ENGINEER OF RECORD IS RESPONSIBLE FOR THE ON-SITE INSPECTION(S) OF ALL SUBSURFACE STRUCTURES. THIS INCLUDES, BUT IS NOT LIMITED TO, DRAINAGE, UTILITIES (INCLUDING SEWER PIPE SLOPE), ROOF LEADER COLLECTION SYSTEM, TRENCH DRAINS, MANHOLES ETC. ENGINEER OF RECORD MUST ALSO CONDUCT "BOTTOM OF HOLE" INSPECTIONS PRIOR TO SUBSURFACE DRAINAGE SYSTEM(S) BEING INSTALLED. CONTRACTOR TO NOTIFY ENGINEER BEFORE BACKFILLING OR SIGN OFF CANNOT OCCUR WITHOUT RE-EXCAVATION.
- WITH THE EXCEPTION OF GAS SERVICES, ALL UTILITY TRENCHES WITHIN THE CITY OF NEWTON RIGHT-OF-WAY WILL BE BACKFILLED WITH TYPE 1E (EXCAVATABLE) CONTROLLED DENSITY FILL, AS SPECIFIED BY THE CITY OF NEWTON ENGINEERING SPECIFICATIONS.
- AFTER ALL ENGINEERING PERMITS ARE OBTAINED, THE CONTRACTOR NEEDS TO NOTIFY THE ENGINEERING DIVISION CONSTRUCTION INSPECTOR A MINIMUM OF 48-HOURS IN ADVANCE AND SCHEDULE AN APPOINTMENT TO HAVE SITE UTILITIES AND STORMWATER COMPONENTS INSPECTED. THE SYSTEM & UTILITIES MUST BE FULLY EXPOSED FOR THE INSPECTOR. ONCE THE INSPECTOR IS SATISFIED, THE SYSTEM & UTILITIES MAY BE BACKFILLED.

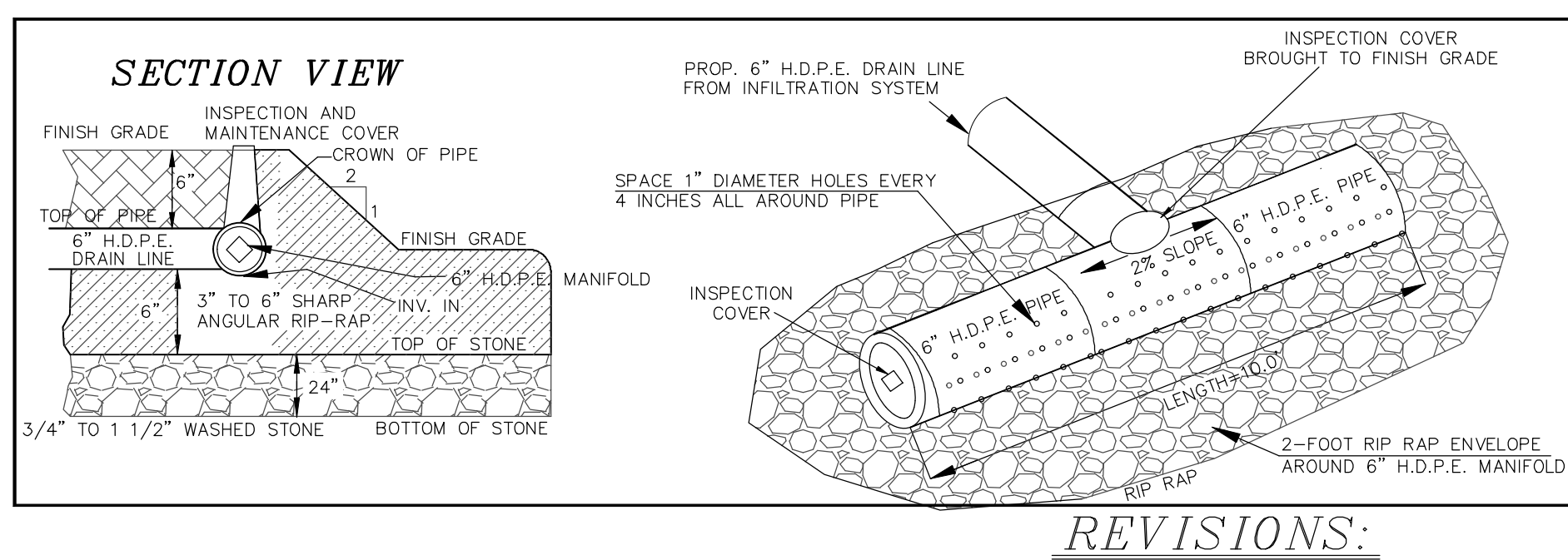
DRAINAGE INFILTRATION LEACHING GALLEYS



SHEA 500 GALLOW GALLEY



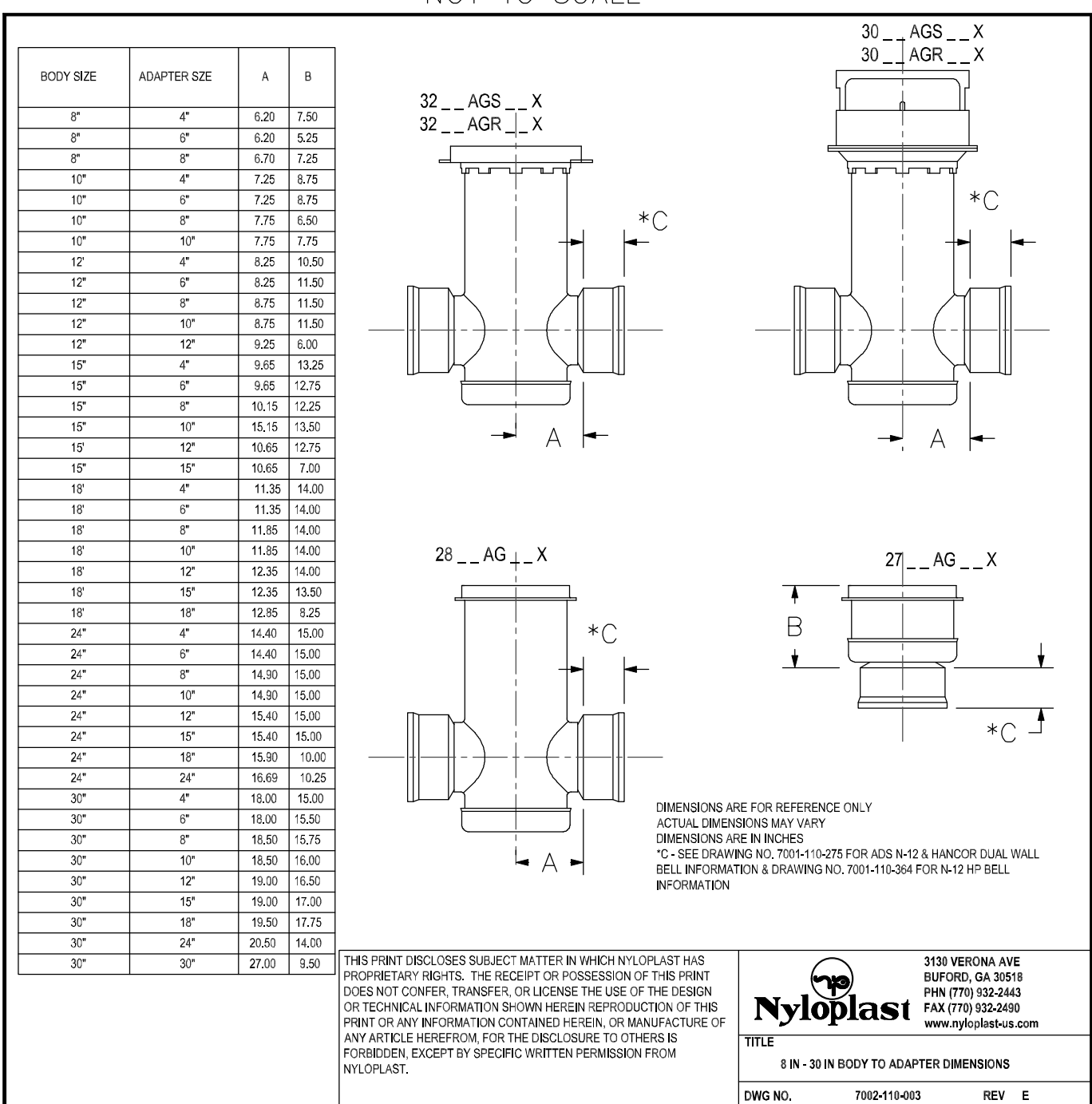
LEVEL SPREADER FLOW MANIFOLD



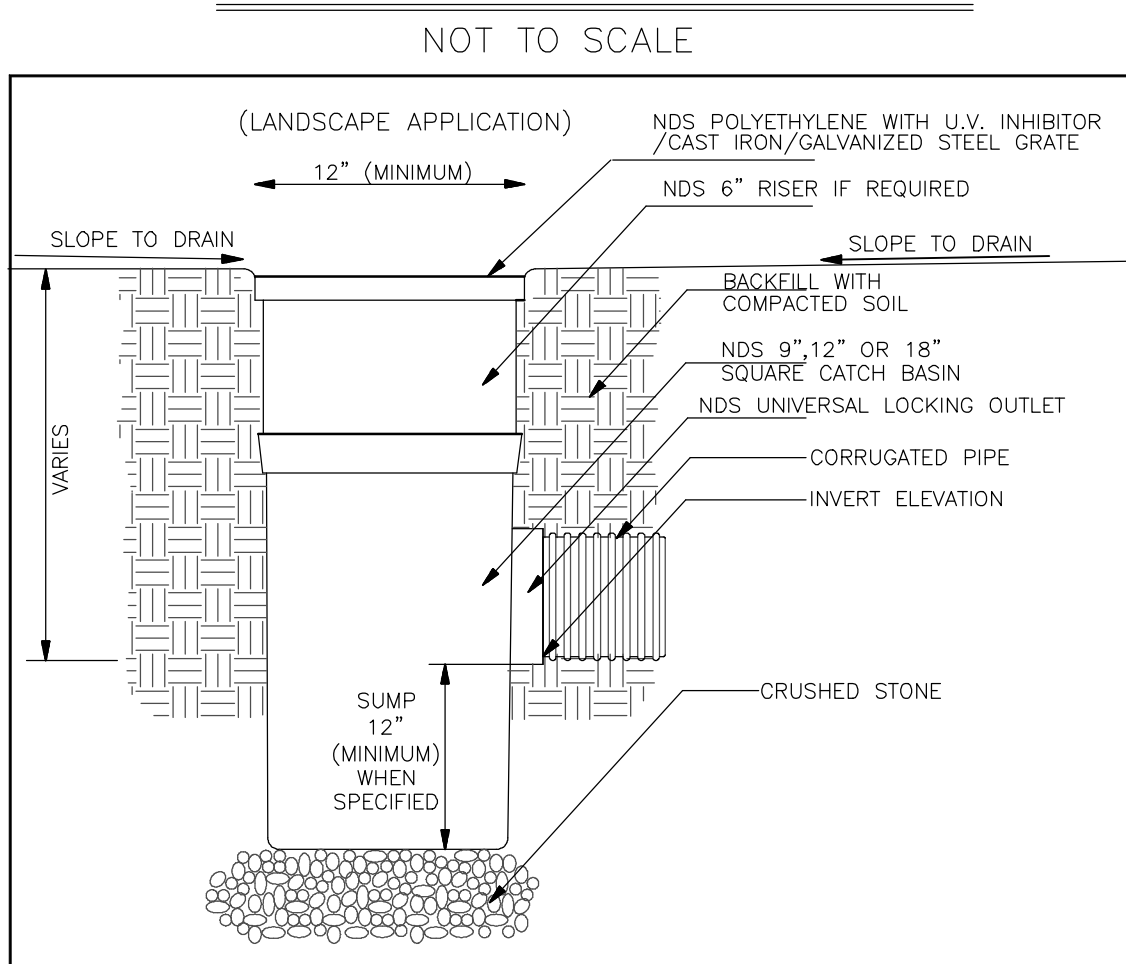
REVISIONS:

NO.	DATE	DESCRIPTION
1	01/26/23	CONSERVATION AND ENGINEERING REVIEW COMMENTS

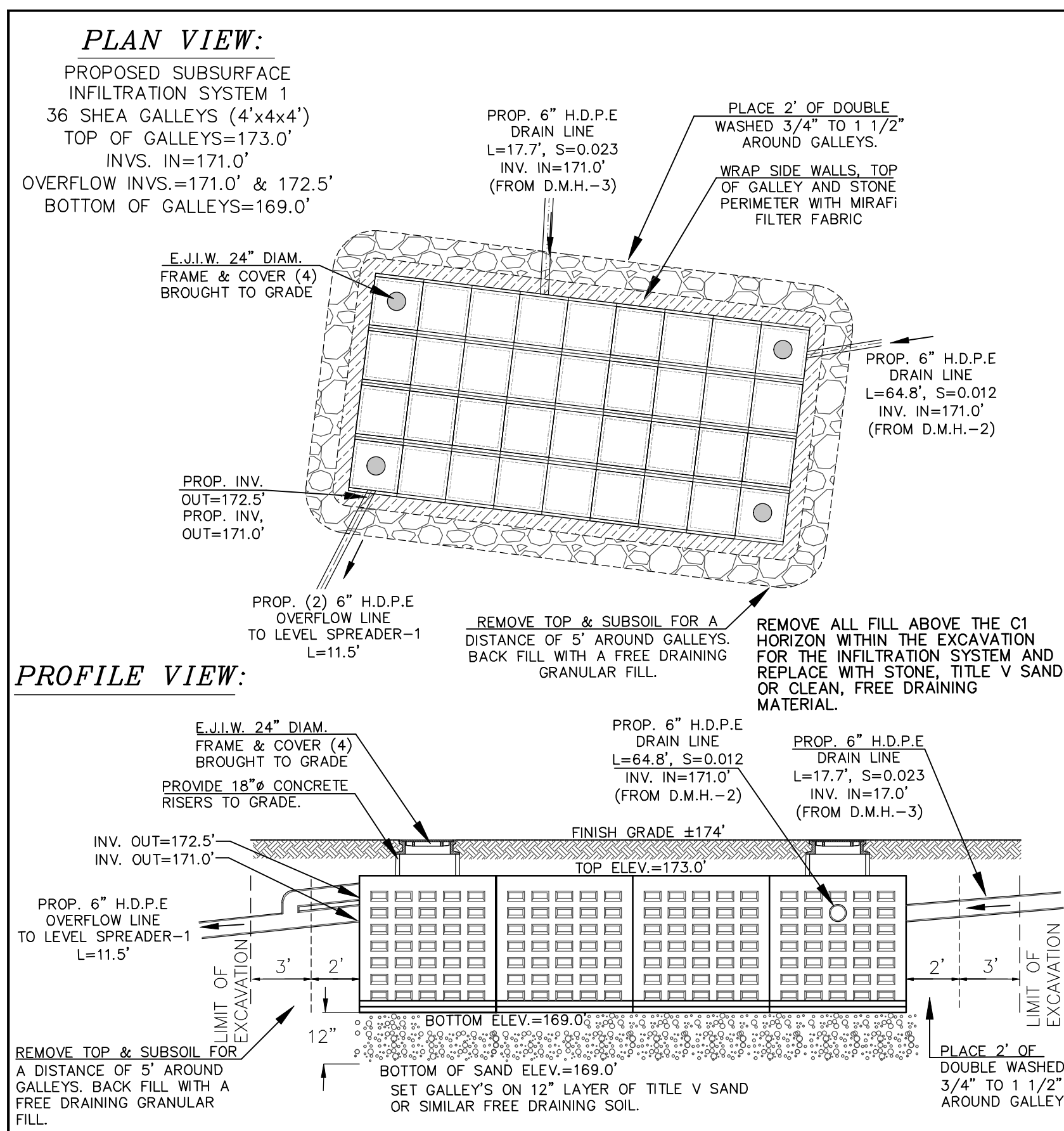
P.V.C. JUNCTION BOX



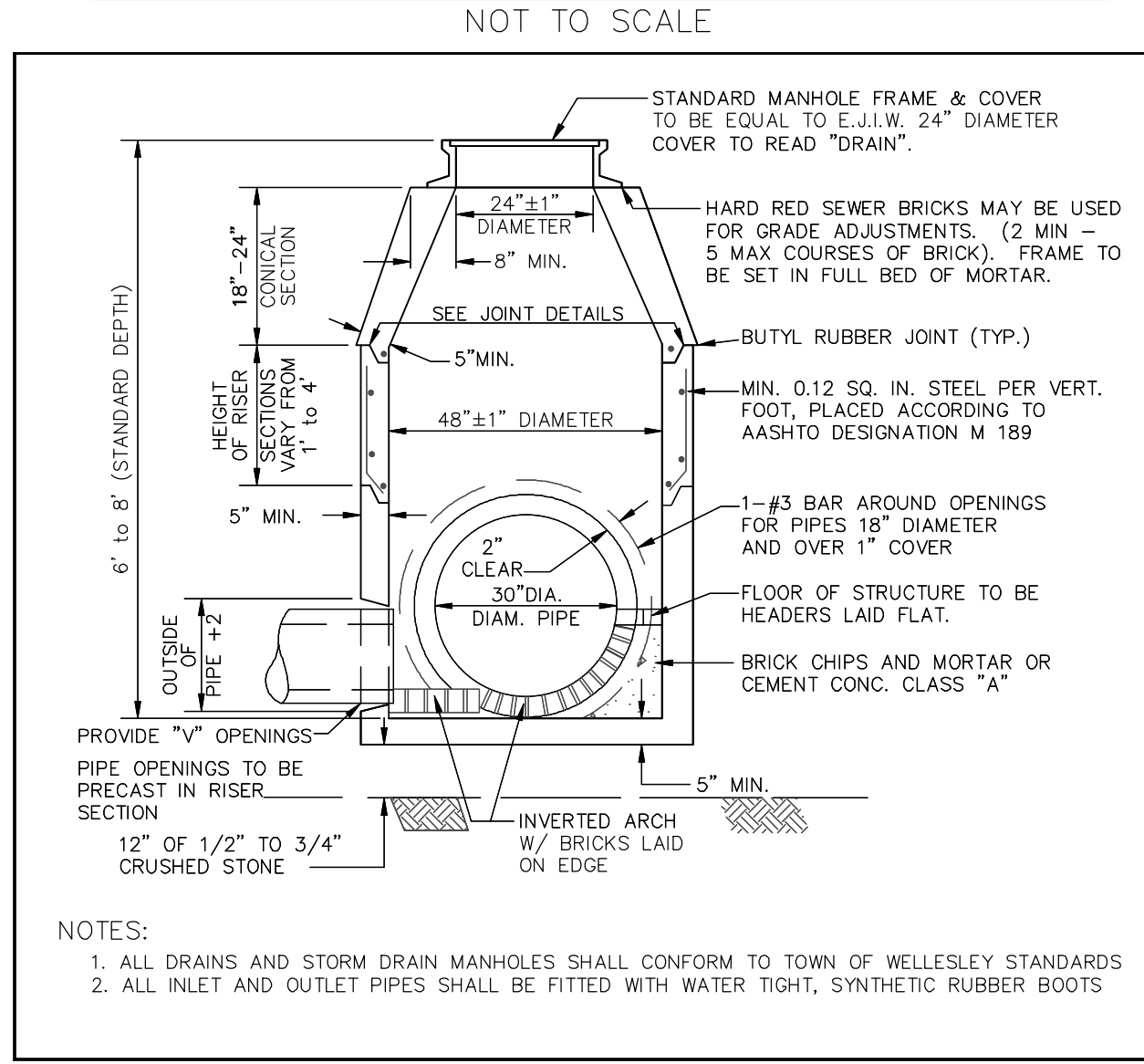
NDS AREA DRAIN DETAIL



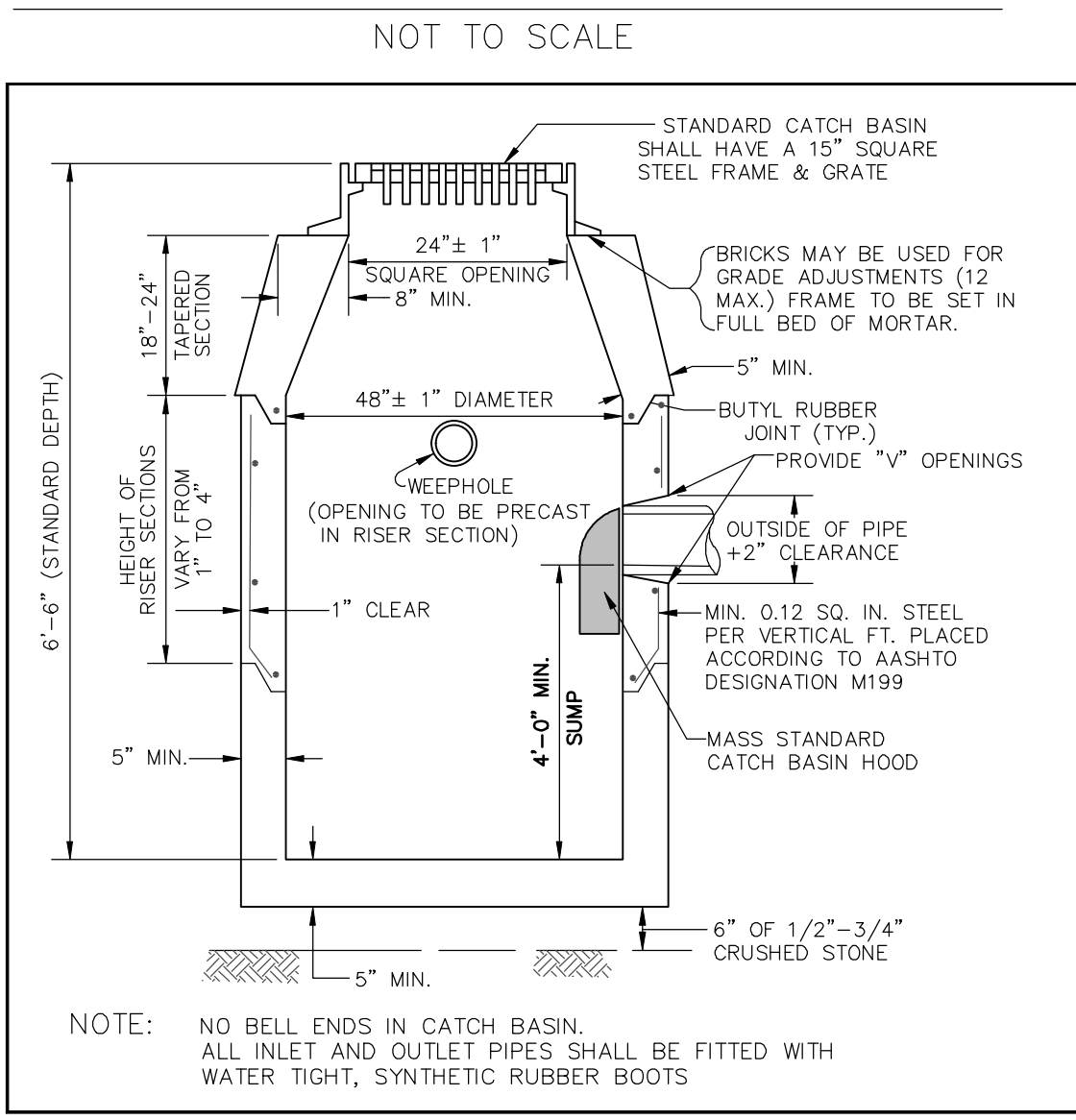
PROPOSED SUBSURFACE INFILTRATION SYSTEM-1



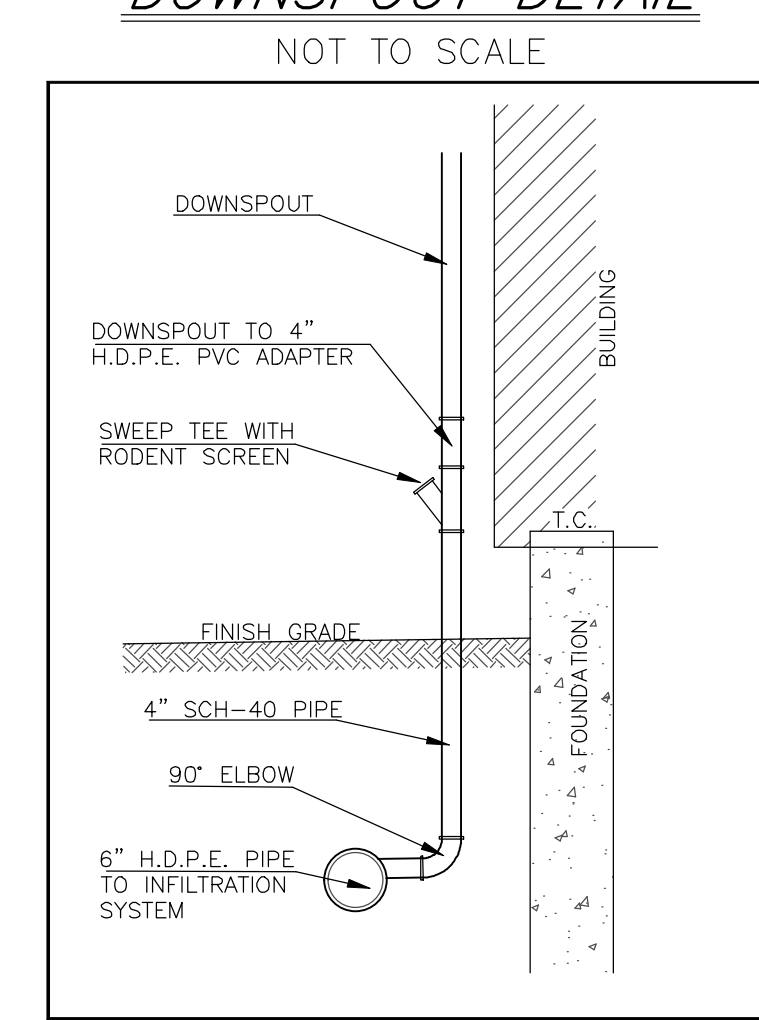
PRECAST CONCRETE DRAIN MANHOLE



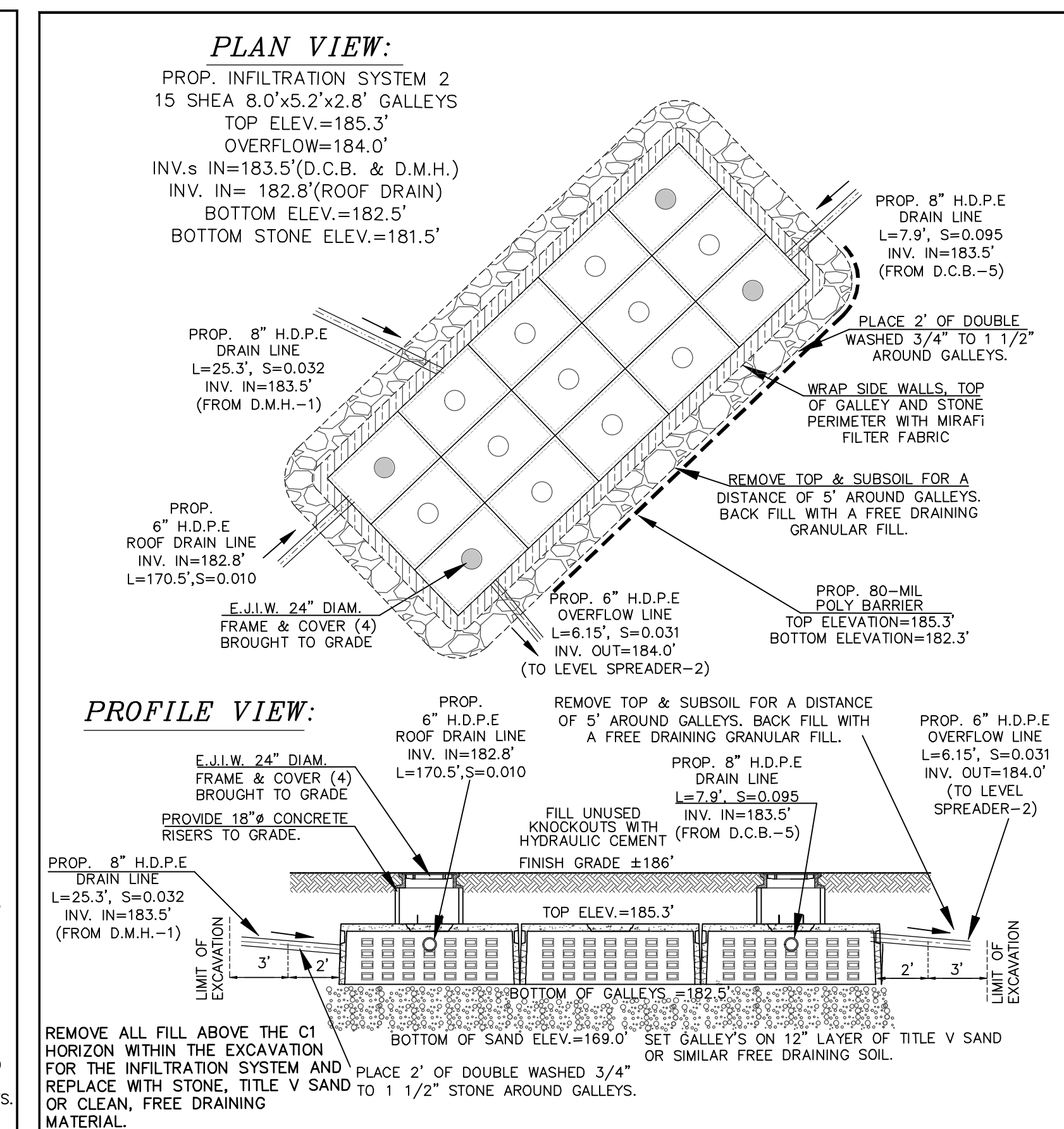
PRECAST CONCRETE CATCH BASIN



DOWNSPOUT DETAIL



PROPOSED SUBSURFACE INFILTRATION SYSTEM-2



PROPOSED DETAILS PLAN
#70 SUFFOLK ROAD
IN
NEWTON, MASS
MIDDLESEX COUNTY

PREPARED FOR:
FRANK & KYRA VAN DEN BOSCH
70 SUFFOLK ROAD
CHESTNUT HILL, MA 02467

PROPERTY OF:
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70 SUFFOLK ROAD
CHESTNUT HILL, MA 02467

ENGINEERS & SURVEYORS:
MWE METROWEST ENGINEERING, INC.
75 FRANKLIN STREET
FRAMINGHAM, MA 01702
TELE: (508)626-0063

SHEET C6 DATE: JANUARY 3, 2023

CALC'D BY: BTN FIELD BK: CAD FILE: BOSCH_SP 3.dwg
DRAFTER: JTS PROJECT: NWT_SUFF DWG FILE: SP010323_R1.dwg