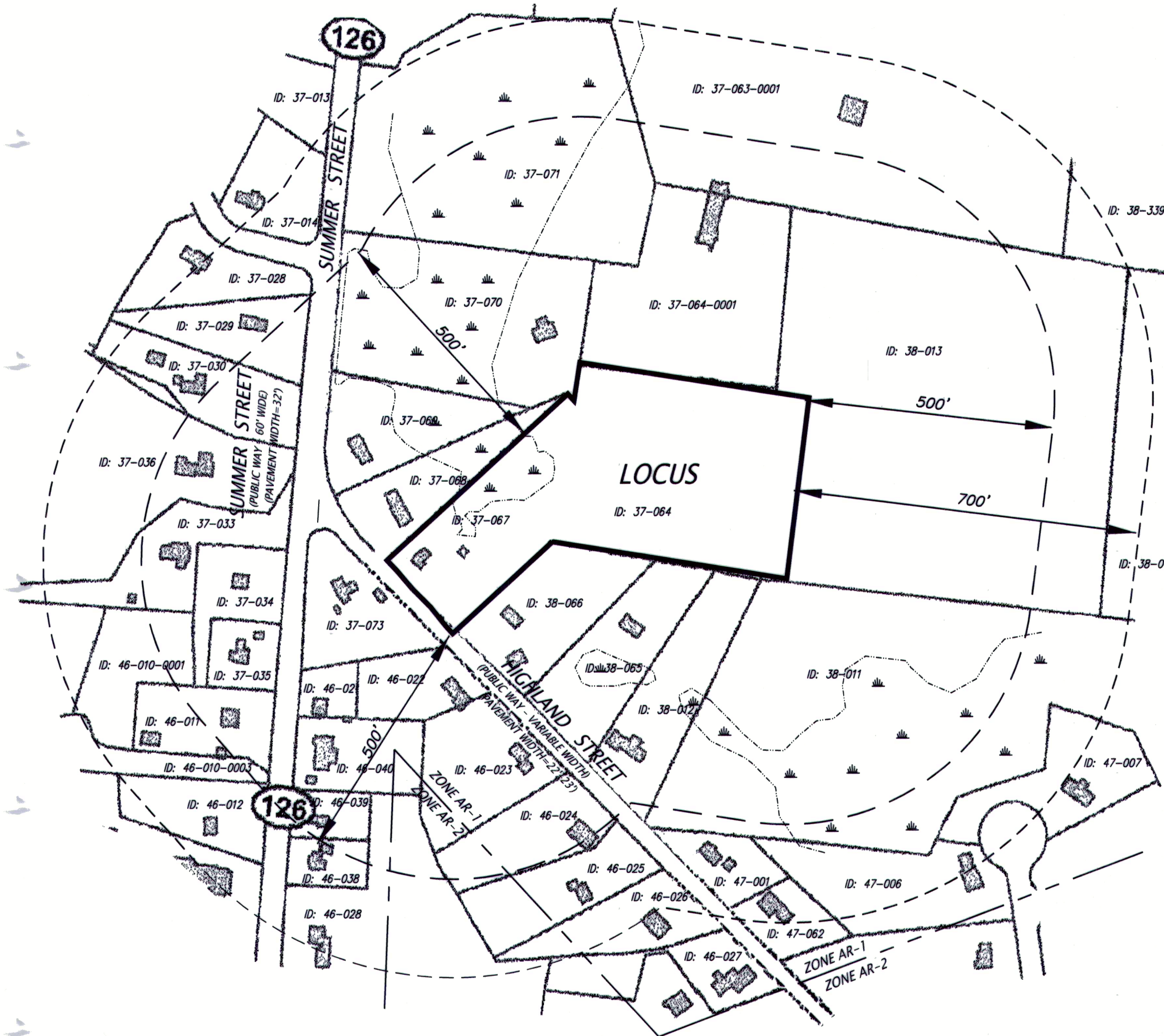


# DEFINITIVE SUBDIVISION PLAN

## "CHOATE TRAIL WAY"

### MEDWAY, MASSACHUSETTS

PLAN No. 754, 1974, Bk. 245



#### PLAN INDEX

SHEET NUMBER	DRAWING TITLE
1-2	COVER SHEET
2-2	LAND PLAN
1-8	EXISTING CONDITIONS PLAN
2-8	CONSTRUCTION PLAN
3-8	ROADWAY PLAN & PROFILE
4-8	EROSION & SEDIMENT CONTROL PLAN
5-8	SITE DETAIL PLAN
6-8	CONSTRUCTION DETAILS
7-8	CONSTRUCTION DETAILS
8-8	STORM WATER POLLUTION PREVENTION PLAN

#### SITE AREA TABULATION:

TOTAL AREA OF LAND THAT IS BEING SUBDIVIDED = 256,020 S.F. (5.88 Acres)  
TOTAL NUMBER OF LOTS AND PARCELS = 4  
TOTAL AREA OF LOTS AND PARCEL = 221,215 S.F. (203,386 S.F. UPLAND, 17,829 S.F. WETLAND)  
TOTAL AREA DEDICATED FOR STREET PURPOSES = 34,805 S.F.  
TOTAL AREA NOT INCLUDED FOR STREETS, LOTS OR PARCELS  
DEDICATED FOR DRAINAGE, SEWER, OR UTILITY EASEMENTS = 0 S.F.  
TOTAL AREA RESERVED FOR OPEN SPACE, PARKS, SCHOOLS AND OTHER PUBLIC USE = 0 S.F.  
SUMMARY: 221,215 S.F. + 34,805 S.F. + 0 + 0 = 256,020 S.F.

APPROVAL UNDER THE  
SUBDIVISION CONTROL LAW,  
IS REQUIRED.  
MEDWAY PLANNING AND ECONOMIC  
DEVELOPMENT BOARD

DATE: August 11, 2020

*[Signature]*

THIS PLAN IS SUBJECT TO A COVENANT  
TO BE RECORDED HERewith.

THIS PLAN IS SUBJECT TO A CERTIFICATE  
OF ACTION WHICH SHALL BE RECORDED  
WITH THE PLAN AT THE NORFOLK COUNTY  
REGISTRY OF DEEDS.

#### GENERAL NOTES:

- OWNERS OF ADJOINING PROPERTIES ARE SHOWN ACCORDING TO CURRENT TOWN OF MEDWAY ASSESSORS RECORDS.
- THIS PLAN IS BASED ON AN ON-THE-GROUND SURVEY BY CONNORSTONE ENGINEERING INC. PERFORMED IN MARCH 2018.
- LEGAL STATUS OF EASEMENTS AND WAYS, NOT DETERMINED BY THIS SURVEY.
- WETLANDS SHOWN HEREON WERE FLAGGED BY THREE OAKS ENVIRONMENTAL WETLAND CONSULTING AND LOCATED ON-THE-GROUND BY CONNORSTONE ENGINEERING INC.

#### SITE CONSTRUCTION NOTE:

- ALL IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH MASS HIGHWAY HANDICAP REQUIREMENTS AND THE CURRENT ADA/AAB REQUIREMENTS IN EFFECT AT THE TIME OF CONSTRUCTION.

#### APPROVED WAIVERS:

SECTION 7.7.2.(p) WAIVER TO ALLOW UNDERGROUND INFILTRATION SYSTEMS WITHIN THE ROADWAY LAYOUT.

SECTION 7.9.5.(c) WAIVER TO ALLOW A VERTICAL CURVE WITH THE 200' LEVELING AREA.

SECTION 7.13.3 WAIVER FROM THE REQUIREMENT OF PROVIDING A SIDEWALK ALONG THE FRONTAGE WITH HIGHLAND STREET.

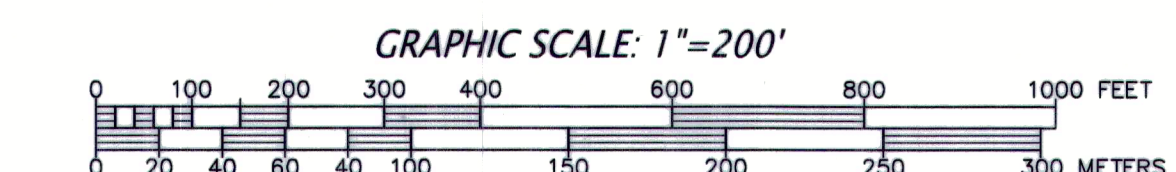
SECTION 7.21.1 WAIVER FROM THE REQUIREMENT OF PROVIDING STREETLIGHTS WITHIN THE SUBDIVISION.

NOTE:  
PRESENT AND FUTURE OWNERS ARE SUBJECT TO A DECLARATION OF PROTECTIVE COVENANTS & RESTRICTIONS AND PRIVATE ROADWAY AGREEMENT GOVERNING THE CHOATE TRAIL SUBDIVISION.

I HEREBY CERTIFY THAT THIS PLAN  
WAS PREPARED IN CONFORMANCE WITH  
THE RULES AND REGULATIONS OF THE  
REGISTERS OF DEEDS.  
*[Signature]* 7/23/20  
VAROUJAN H. HAGOPIAN, P.L.S. 49665



I, *Marjorie White* CLERK OF THE TOWN OF MEDWAY  
RECEIVED AND RECORDED APPROVAL FROM THE PLANNING BOARD  
OF THIS PLAN ON *May 12, 2020* AND NO APPEAL WAS TAKEN  
FOR TWENTY (20) DAYS THEREAFTER.



ASSESSOR MAP 37, LOT 67

OWNER / APPLICANT:

THE RESIDENCES AT CHOATE TRAIL, LLC  
17 GOLDFINCH LANE  
NASHUA, NH 03062

#### CONNORSTONE ENGINEERING INC.

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

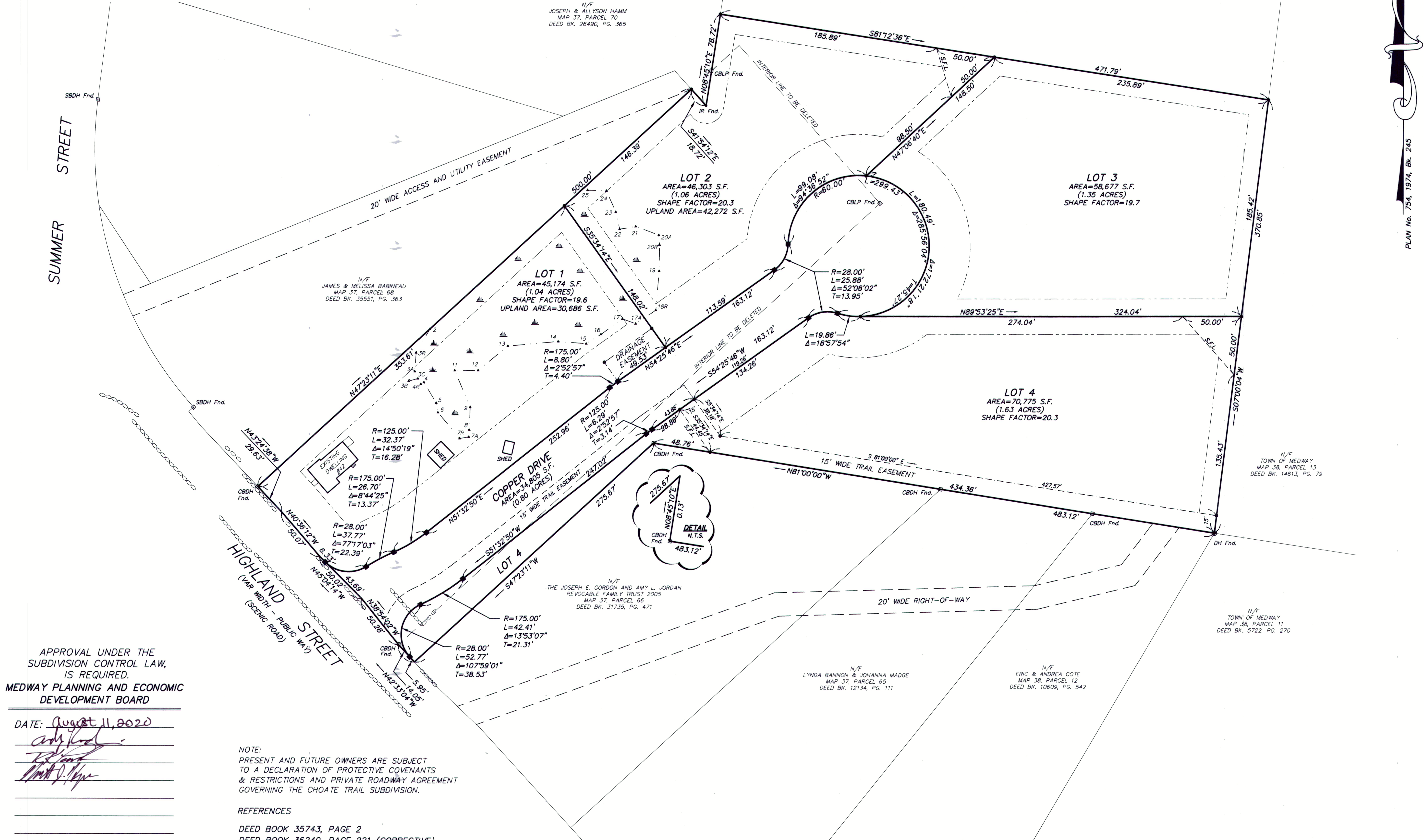
#### DEFINITIVE SUBDIVISION PLAN COVER SHEET CHOATE TRAIL WAY IN MEDWAY, MASS.

DATE	CONDITIONS OF APPROVAL
7/23/2020	CONDITIONS OF APPROVAL
4/16/2020	WET FLAG EDITS
3/19/2020	PEER REVIEW COMMENTS
3/9/2020	REVIEW COMMENTS
1/13/2020	REVIEW COMMENTS
1/3/2020	REVIEW COMMENTS
REVISED:	DESCRIPTION:
DRAWN BY: REM	CHECK BY: VC
DATE: NOVEMBER 8, 2019	
SCALE: AS SHOWN	SHEET 1 OF 2



# MONUMENTS

- SBDH Fnd. STONE BOUND W. DRILL HOLE FOUND
- CBDH Fnd. CONCRETE BOUND W DRILL HOLE FOUND
- IP Fnd. IRON PIPE FOUND
- IR Fnd. IRON ROD FOUND
- CONCRETE BOUND TO BE SET
- IRON ROD/CAP TO BE SET



APPROVAL UNDER THE  
SUBDIVISION CONTROL LAW,  
IS REQUIRED.  
MEDWAY PLANNING AND ECONOMIC  
DEVELOPMENT BOARD

DATE: August 11, 2020  
*[Signature]*  
*[Signature]*  
*[Signature]*

NOTE:  
PRESENT AND FUTURE OWNERS ARE SUBJECT  
TO A DECLARATION OF PROTECTIVE COVENANTS  
& RESTRICTIONS AND PRIVATE ROADWAY AGREEMENT  
GOVERNING THE CHOATE TRAIL SUBDIVISION.

## REFERENCES

DEED BOOK 35743, PAGE 2  
DEED BOOK 36240, PAGE 221 (CORRECTIVE)

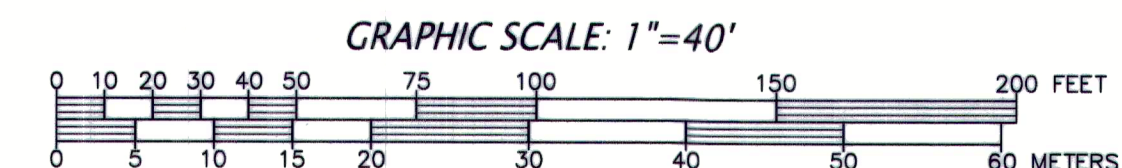
PLAN NUMBER 754 OF 1974, PLAN BOOK 245  
PLAN NUMBER 715 OF 1976, PLAN BOOK 257  
PLAN NUMBER 246 OF 1995, PLAN BOOK 429  
PLAN NUMBER 248 OF 1980, PLAN BOOK 280  
PLAN NUMBER 841 OF 1995, PLAN BOOK 435  
PLAN NUMBER 842 OF 1995, PLAN BOOK 435  
NORFOLK COUNTY REGISTRY OF DEEDS

I HEREBY CERTIFY THAT THIS PLAN  
WAS PREPARED IN CONFORMANCE WITH  
THE RULES AND REGULATIONS OF THE  
REGISTERS OF DEEDS.

*[Signature]* 7/23/20  
VAROUJAN H. HAGOPIAN, P.L.S. 49665



*[Signature]* CLERK OF THE TOWN OF MEDWAY  
RECEIVED AND RECORDED APPROVAL FROM THE PLANNING BOARD  
OF THIS PLAN ON May 18, 2020 AND NO APPEAL WAS TAKEN  
FOR TWENTY (20) DAYS THEREAFTER.



## GENERAL NOTES:

- OWNERS OF ADJOINING PROPERTIES ARE SHOWN ACCORDING TO CURRENT TOWN OF MEDWAY ASSESSORS RECORDS.
- THIS PLAN IS BASED ON AN ON-THE-GROUND SURVEY BY CONNORSTONE ENGINEERING INC. PERFORMED IN MARCH 2018.
- LEGAL STATUS OF EASEMENTS AND WAYS, NOT DETERMINED BY THIS SURVEY.
- WETLANDS SHOWN HEREON WERE FLAGGED BY THREE OAKS ENVIRONMENTAL WETLAND CONSULTING AND LOCATED ON-THE-GROUND BY CONNORSTONE ENGINEERING INC.

ZONED: AR-1  
AREA = 44,000 sf  
FRONTAGE = 180 feet  
SETBACKS: FRONT = 35 feet  
SIDE = 15 feet  
REAR = 15 feet

ASSESSOR MAP 37, LOT 67

OWNER / APPLICANT:

THE RESIDENCES AT CHOATE TRAIL, LLC  
17 GOLDFINCH LANE  
NASHUA, NH 03062

## CONNORSTONE ENGINEERING INC.

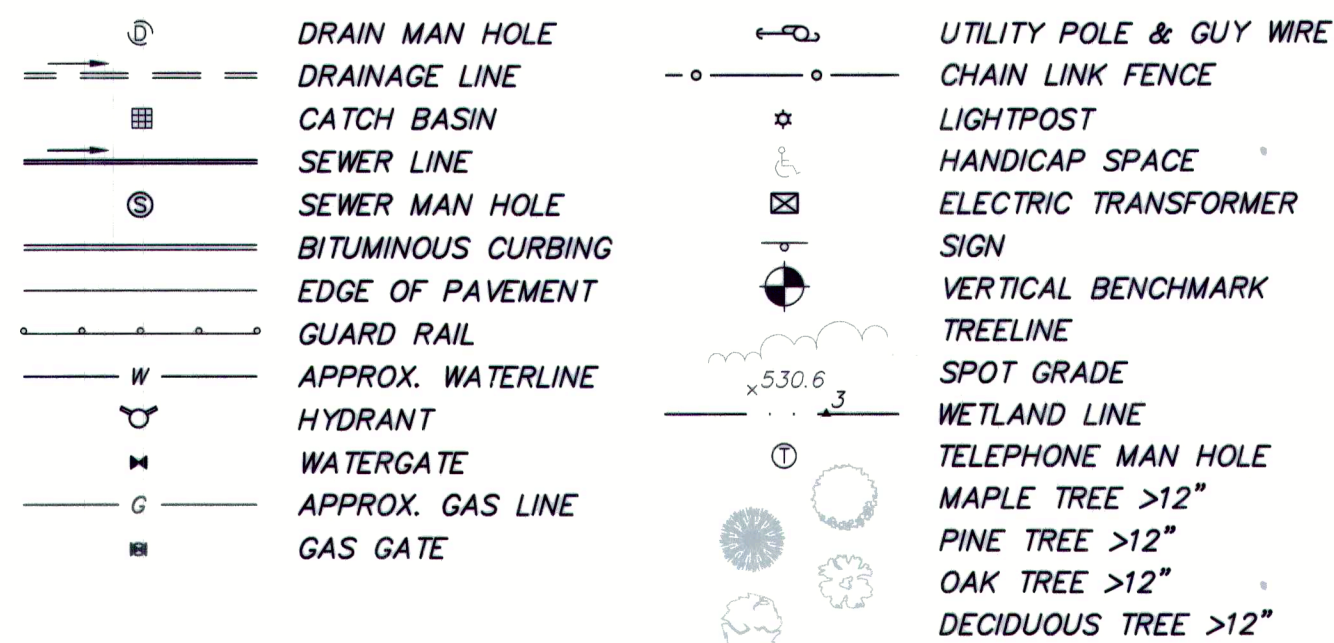
CIVIL ENGINEERS AND LAND SURVEYORS  
10 SOUTHWEST CUTOFF, SUITE 7  
NORTHBOROUGH, MASSACHUSETTS 01532  
PHONE: 508-393-9727 FAX: 508-393-5242

## DEFINITIVE SUBDIVISION PLAN LAND PLAN CHOATE TRAIL WAY IN MEDWAY, MASS.

7/23/2020	CONDITIONS OF APPROVAL
4/16/2020	WET FLAG EDITS
3/19/2020	PEER REVIEW COMMENTS
3/9/2020	REVIEW COMMENTS
1/13/2020	REVIEW COMMENTS
1/3/2020	REVIEW COMMENTS
REVISED:	DESCRIPTION:
DRAWN BY: REM	CHECK BY: VC
DATE: NOVEMBER 8, 2019	
SCALE: 1"=40'	SHEET 2 OF 2.



LEGEND



MONUMENTS

- SBDH Fnd. STONE BOUND W. DRILL HOLE FOUND
- CBDH Fnd. CONCRETE BOUND W DRILL HOLE FOUND
- IP Fnd. IRON PIPE FOUND
- IR Fnd. IRON ROD FOUND

ROAD

D-1 (11/7/19)	EL=255.5
0-8" A	SANDY LOAM 10193/2
8-28" B	LOAMY SAND 10196/8
28-62" C1	LOAMY SAND 10196/4
MOISTLES AT 35"	
REFUSAL AT 62"	

D-2 (11/7/19)	EL=254.8
0-8" A	SANDY LOAM 10193/2
8-30" B	LOAMY SAND 10196/8
30-70" C1	LOAMY SAND 10196/4
70-88" C2	SANDY LOAM 2.515/4
MOISTLES AT 26"	
WATER AT 72"	

D-3 (11/7/19)	EL=256.0
0-10" A	SANDY LOAM 10193/2
10-30" B	LOAMY SAND 10196/8
30-60" C1	LOAMY SAND 10196/4
MOISTLES AT 40"	
WATER AT 64"	

LOT 1

DTH-1 (7/8/19)		
0-9"	Ap	SANDY LOAM 10YR3/2
9-35"	Bw	LOAMY SAND 10YR6/8
35-57"	C1	LOAMY SAND 10YR6/4
57-122"	C2	SANDY LOAM 2.5Y5/4
MOTTLES AT 47"		
NO REFUSAL		

DTH-2 (7/8/19)	
0-17"	FILL
17-35"	Bw LOAMY SAND 10YR6/8
35-56"	C1 LOAMY SAND 10YR6/4
56-97"	C2 SANDY LOAM 2.5Y5/4
MOTTLES AT 46"	
REFUSAL AT 97"	

DTH-3 (7/8/19)		
0-9"		FILL
9-23"	Bw	LOAMY SAND 10YR6/8
23-92"	C1	SANDY LOAM 2.5Y5/4
MOTTLES AT 45" REFUSAL AT 62"		

DTH-4 (7/8/19)		
0-10"	Ap	SANDY LOAM 10YR3/2
10-20"	Bw	LOAMY SAND 10YR6/8
20-44"	C1	LOAMY SAND 10YR6/4
44-113"	C2	SANDY LOAM 2.5Y5/4
MOTTLES AT 37"		
NO REFUSAL		

PT-1 (7/8/19)	DEPTH 68" 8 MP
PT-2 (7/8/19)	DEPTH 52" 4 MP

LOT 2

DTH-9 (7/8/19)		
0-6"	Ap	SANDY LOAM 10YR3/2
6-32"	Bw	LOAMY SAND 10YR6/8
32-112"	C1	LOAMY SAND 2.5Y5/4
MOTTLES AT 94"		
NO REFUSAL		

DTH-10 (7/8/19)		
0-6"	Ap	SANDY LOAM 10YR3/2
6-32"	Bw	LOAMY SAND 10YR6/8
32-109"	C1	LOAMY SAND 2.5Y5/4
MOTTLES AT 84" NO REFUSAL		

DTH-11 (7/8/19)		
0-6"	Ap	SANDY LOAM 10YR3/2
6-24"	Bw	LOAMY SAND 10YR6/8
24-93"	C1	SANDY LOAM 2.5Y5/4
MOTTLES AT 84"		

DTH-12 (7/8/19)		
0-5"	Ap	SANDY LOAM 10YR3/2
5-31"	Bw	LOAMY SAND 10YR6/8
31-88"	C1	LOAMY SAND 2.5Y5/4
NO MOTTLES OR WATER REFUSAL AT 88"		

PT-3 (7/8/19)	DEPTH 68" 8 MP
PT-4 (7/8/19)	DEPTH 48" 6 MP

LOT 3

DTH-13 (7/8/19)		
0-5"	Ap	SANDY LOAM 10YR3/2
5-30"	Bw	LOAMY SAND 10YR6/8
30-100"	C1	LOAMY SAND 2.5Y5/4
NO MOTTLES OR WATER REFUSAL AT 100"		

DTH-14 (7/8/19)		
0-6"	Ap	SANDY LOAM 101R3/2
6-35"	Bw	LOAMY SAND 101R6/8
35-105"	C1	LOAMY SAND 2.5YS/4
NO MOTTLES OR WATER REFUSAL AT 105"		

DTH-15 (7/8/19)		
0-6"	Ap	SANDY LOAM 10193/2
6-35"	Bw	LOAMY SAND 10196/8
35-104"	C1	LOAMY SAND 2.5Y5/4
NO MOTTLES OR WATER		
REFUSAL AT 104"		

DTH-16 (7/8/19)		
0-6"	Ap	SANDY LOAM 10YR3/2
6-27"	Bw	LOAMY SAND 10YR6/8
27-81"	C1	LOAMY SAND 2.5Y5/4
NO MOTTLES OR WATER REFUSAL AT 81"		

PT-5 (7/8/19)	DEPTH 48" 6 MP
PT-6 (7/8/19)	DEPTH 54" 8 MP

LOT 4

DTH-5 (7/8/19)		
0-4"	Ap	SANDY LOAM 10YR3/2
4-25"	Bw	LOAMY SAND 10YR6/8
25-133"	C1	LOAMY SAND 2.5Y5/4
MOTTLES AT 95" NO REFUSAL		

DTH-6 (7/8/19)		
0-6"	Ap	SANDY LOAM 10YR3/2
6-27"	Bw	LOAMY SAND 10YR6/8
27-97"	C1	LOAMY SAND 2.5Y5/4
NO MOTTLES OR WATER REFUSAL AT 97"		

DTH-7 (7/8/19)		
0-7"	Ap	SANDY LOAM 10YR3/2
7-31"	Bw	LOAMY SAND 10YR6/8
31-112"	C1	LOAMY SAND 2.5Y5/4
MOTTLES AT 81"		

DTH-8 (7/8/19)		
0-5"	Ap	SANDY LOAM 10YR3/2
5-26"	Bw	LOAMY SAND 10YR6/8
26-61"	C1	FINE SAND 10YR7/1
61-118"	C2	LOAMY SAND 2.5Y5/4
MOTTLES AT 77", WATER AT 102"		
NO. RECORD		

PT-7 (7/8/19)	DEPTH 48" 6 MP
PT-8 (7/8/19)	DEPTH 51" 5 MP

ZONED: AR-1  
AREA = 44,000 sf  
FRONTAGE = 180 feet  
SETBACKS: FRONT = 35 feet  
SIDE = 15 feet  
REAR = 15 feet

ASSESSOR MAP 37, LOT 67



OWNER / APPLICANT:  
THE RESIDENCES AT CHOATE TRAIL, LLC  
17 GOLDFINCH LANE  
NASHUA, NH 03062

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

**DEFINITIVE SUBDIVISION PLAN**  
EXISTING CONDITIONS  
CHOATE TRAIL WAY  
IN  
MEDWAY, MASS.

7/23/2020	CONDITIONS OF APPROVAL
4/16/2020	WET FLAG EDITS
3/19/2020	PEER REVIEW COMMENTS
3/9/2020	REVIEW COMMENTS
1/13/2020	REVIEW COMMENTS
1/3/2020	REVIEW COMMENTS
REVISED:	DESCRIPTION:
DRAWN BY: REM	CHECK BY: VC
DATE: NOVEMBER 8, 2019	
SCALE: 1"=40'	SHEET 1 OF 8.

APPROVAL UNDER THE  
SUBDIVISION CONTROL LAW,  
IS REQUIRED.  
MEDWAY PLANNING AND ECONOMIC  
DEVELOPMENT BOARD

DATE: August 11, 2020

*[Signatures]*

THIS PLAN IS SUBJECT TO A COVENANT  
TO BE RECORDED HEREWITH.

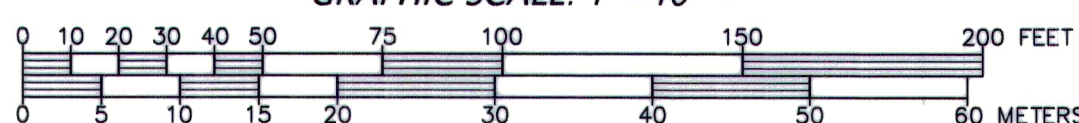
THIS PLAN IS SUBJECT TO A CERTIFICATE  
OF ACTION WHICH SHALL BE RECORDED  
WITH THE PLAN AT THE NORFOLK COUNTY  
REGISTRY OF DEEDS.

NOTE:  
PRESENT AND FUTURE OWNERS ARE SUBJECT TO A  
DECLARATION OF PROTECTIVE COVENANTS & RESTRICTIONS  
AND PRIVATE ROADWAY AGREEMENT GOVERNING THE  
CHOATE TRAIL SUBDIVISION.

I, *Mayne White* CLERK OF THE TOWN OF MEDWAY  
RECEIVED AND RECORDED APPROVAL FROM THE PLANNING BOARD  
OF THIS PLAN ON *May 18, 2020* AND NO APPEAL WAS TAKEN  
FOR TWENTY (20) DAYS THEREAFTER.

⊗ = DENOTES TREES TO BE REMOVED

GRAPHIC SCALE: 1"=40'







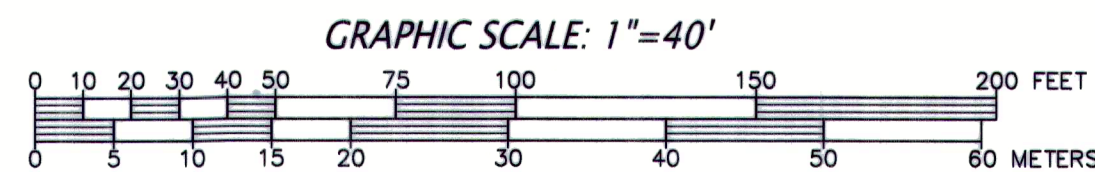






# MONUMENTS

- SBDH Fnd. STONE BOUND W. DRILL HOLE FOUND
- CBDH Fnd. CONCRETE BOUND W DRILL HOLE FOUND
- IP Fnd. IRON PIPE FOUND
- IR Fnd. IRON ROD FOUND



N/F  
JOSEPH & ALLYSON HAMM  
MAP 37, PARCEL 70  
DEED BK. 26490, PG. 365

CLEARING AND GRADING LIMIT  
APPROX. 3.25 ACRES

N/F  
TOWN OF MEDWAY  
MAP 37, PARCEL 64  
DEED BK. 14613, PG. 79

## LEGEND

- DRAIN MAN HOLE
- DRAINAGE LINE
- CATCH BASIN
- SEWER LINE
- SEWER MAN HOLE
- BITUMINOUS CURBING
- EDGE OF PAVEMENT
- GUARD RAIL
- W — APPROX. WATERLINE
- HYDRANT
- G — APPROX. GAS LINE
- GAS GATE
- UTILITY POLE & GUY WIRE
- CHAIN LINK FENCE
- LIGHTPOST
- HANDICAP SPACE
- ELECTRIC TRANSFORMER SIGN
- VERTICAL BENCHMARK
- TREELINE
- SPOT GRADE
- WETLAND LINE
- TELEPHONE MAN HOLE
- MAPLE TREE >12"
- PINE TREE >12"
- OAK TREE >12"
- DECIDUOUS TREE >12"

PROPOSED EROSION BARRIER  
DURING CONSTRUCTION,  
STAKED DOUBLE COMPOST  
SOCK (SEE DETAIL)

PROPOSED CONSERVATION  
MARKERS AT 25' BUFFER (17)

SLOPE TO BE PLANTED WITH  
NATIVE SEED MIX BY NEW ENGLAND  
WETLAND PLANTS, INC.

MITIGATION PLANTING AREA  
10 - HIGHBUSH BLUEBERRY (*Vaccinium corymbosum*)  
10 - SWEET PEPPER BUSH (*Diervilla trifida*)  
10 - SMOOTH WINTERBERRY (*Swida latifolia*)  
PLANTED 6" O.C. W/ NATURAL MULCH ROUND COVER

LOT 1 TO ACT AS TEMPORARY  
STAGING AND STOCKPILE AREA

PRESERVE 12" MAPLE

N/F  
THE JOSEPH E. GORDON AND AMY L. JORDAN  
REVOCABLE FAMILY TRUST 2005  
MAP 37, PARCEL 66  
DEED BK. 31735, PG. 471

MIX OF NATIVE EVERGREEN SHRUBS  
TO BE PLANTED ON THE PROPERTY  
LINE OF LOT #4 ADJACENT TO #38  
AND #40 HIGHLAND STREET (APPROX.  
380 LINEAR FEET). PLANTINGS SHALL  
BE AT LEAST 3 GALLON IN SIZE,  
PLANTED 5 FEET ON CENTER IN A  
STAGGERED FASHION. A MINIMUM 76  
SHRUBS ARE REQUIRED.

CLEARING AND GRADING LIMIT  
APPROX. 3.25 ACRES

CLEAN WATER DIVERSION BERM  
MIN. 12" TALL EARTH BERM

ADDITIONAL PERIMETER EROSION  
CONTROLS SHALL BE PLACED  
DOWNGRADIANT OF ALL LAND  
DISTURBANCE AS INDIVIDUAL LOT  
DEVELOPMENT PROCEEDS.

N/F  
TOWN OF MEDWAY  
MAP 38, PARCEL 13  
DEED BK. 14613, PG. 79

N/F  
TOWN OF MEDWAY  
MAP 38, PARCEL 11  
DEED BK. 5722, PG. 270

## EROSION AND SEDIMENTATION CONTROL NOTES:

- ALL WORK SHALL BE IN ACCORDANCE WITH THE ORDER OF CONDITIONS ISSUED BY THE TOWN OF MEDWAY CONSERVATION COMMISSION, AND THE PROJECT STORMWATER POLLUTION PREVENTION PLAN.
- 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 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 STRAWBALE OR SEDIMENT TRAP, OR AS DIRECTED BY THE LOCAL AUTHORITY.
- SOIL STOCKPILES SHALL BE STABILIZED TO PREVENT EROSION, AND A PERIMETER SEDIMENT CONTROL BARRIER SHALL BE INSTALLED. NO MATERIALS SUBJECT TO EROSION SHALL BE STOCKPILED OVERNIGHT WITHIN 100 FEET OF A WETLAND UNLESS COVERED.
- TOPSOIL STOCKPILES AND DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR AT LEAST 7 DAYS WILL BE STABILIZED WITH A TEMPORARY SEED AND MULCH NO LATER THAN 7 DAYS FROM THE LAST CONSTRUCTION ACTIVITY IN THAT AREA. THE TEMPORARY SEED SHALL BE EROSION CONTROL MIX. DISTURBED PORTIONS OF THE SITE WHERE FINAL GRADE HAS BEEN MET AND CONSTRUCTION ACTIVITY CEASES SHALL BE STABILIZED WITH PERMANENT SEED NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY. THE PERMANENT SEED MIX CONSISTS OF BLUEGRASS, TALL FESCUE, AND ANNUAL RYE. PRIOR TO SEEDING, GROUND AGRICULTURAL LIMESTONE SHALL BE APPLIED AS REQUIRED. SEEDING SHALL BE NUTRIENT ENRICHED HYDROSEED AND CELLULOSE OR OTHER DEGRADABLE FIBERS CAPABLE OF RETAINING MOISTURE. IF NOT DURING THE GROWING SEASON, THESE AREAS SHALL BE MULCHED WITH STRAW AND 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 STRAWBALE CORRAL AND STRAWBALE CHECK DAMS SPACED 10' APART.
- STRAW WATTLES AND SILT FENCE SHALL BE INSTALLED ALONG THE EDGE OF PROPOSED DEVELOPMENT OR AS INDICATED ON THE PLANS. ADDITIONAL BARRIERS SHALL BE LOCATED AS CONDITIONS WARRANT, AND IN SOME AREAS WEED FREE BALE/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 PROTECTION (CATCH BASIN 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.
- ALL VEHICLES SHALL ENTER AND EXIT THE SITE VIA THE STABILIZED CONSTRUCTION ENTRANCE CONSISTING OF 2" TO 3" INCH CRUSHED STONE TO A DEPTH OF 6" FOR A MINIMUM OF THE FIRST 50 FEET FROM EXISTING PAVED STREETS. EXTEND THE PAD BEYOND 50 FEET AS NECESSARY BASED UPON FIELD CONDITIONS. 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 ADJUTING 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.
- EQUIPMENT NOT IN USE SHALL NOT BE PARKED WITHIN WETLANDS OR BUFFER AREAS.

## GENERAL SEQUENCING PLAN

ESTIMATED SCHEDULE:  
ROADWAY THROUGH BINDER COURSE: 12 MONTHS  
LOT DEVELOPMENT 24 MONTHS

- INSTALL SEDIMENT CONTROL BARRIERS AND CONSTRUCTION ENTRANCE OFF HIGHLAND STREET.
- REMOVE THE EXISTING STRUCTURES AND PAVEMENT AREAS.
- INSTALL TEMPORARY SEDIMENT BASINS (IF REQUIRED).
- CLEAR, STUMP & GRUB ROADWAY AREAS.
- BEGIN CONSTRUCTION OF ROADWAY.
- INSTALL ROADWAY CROSS CULVERT PRIOR TO COMPLETING PLACEMENT OF FILL NEAR STATION 2+50 TO 3+50 TO PREVENT PONDING ON ADJUTING LAND AND BLOCKAGE OF DRAINAGE FLOW PATHS.
- INSTALL UTILITIES.
- INSTALL DRAINAGE SYSTEM AND SUBSURFACE INFILTRATION STRUCTURE WORKING FROM 2+90 OUTWARD TOWARD HIGHLAND STREET. PLACE COMPACTED FILL OVER STRUCTURES UP TO SUBGRADE. ALL DRAINAGE INLETS SHALL REMAIN PLATED AND OFF-LINE TO PREVENT SEDIMENT FROM ENTERING THE SYSTEM.
- INSTALL GRAVEL BASE AND BINDER COURSE PAVEMENT.
- BEGIN LOT DEVELOPMENT.
- INSTALL SIDEWALKS.
- PERFORM FINAL LANDSCAPING AND STABILIZATION.
- ADJUST STRUCTURES TO GRADE, INSTALL GRANITE EDGING, AND PLACE FINAL TOP COURSE PAVEMENT.
- REMOVE THE REMAINING SILTATION DEVICES AS THE AREA BECOMES STABLE.

THE ABOVE SEQUENCING MAY BE SUBJECT TO CHANGE DUE TO FIELD CONDITIONS AND CONTRACTOR'S MEANS AND METHODS. A FINAL SEQUENCING PLAN SHALL BE SUBMITTED TO THE ENGINEER AND TOWN FOR REVIEW AND APPROVAL PRIOR TO THE START OF CONSTRUCTION.

## NOTE:

PRESENT AND FUTURE OWNERS ARE SUBJECT TO A DECLARATION OF PROTECTIVE COVENANTS & RESTRICTIONS AND PRIVATE ROADWAY AGREEMENT GOVERNING THE CHOATE TRAIL SUBDIVISION.

1. *Mayor White* CLERK OF THE TOWN OF MEDWAY  
RECEIVED AND RECORDED APPROVAL FROM THE PLANNING BOARD  
OF THIS PLAN ON *May 20, 2018* AND NO APPEAL WAS TAKEN  
FOR TWENTY (20) DAYS THEREAFTER.

APPROVAL UNDER THE  
SUBDIVISION CONTROL LAW,  
IS REQUIRED.  
MEDWAY PLANNING AND ECONOMIC  
DEVELOPMENT BOARD

DATE: *August 11, 2020*

*Signature*

THIS PLAN IS SUBJECT TO A COVENANT  
TO BE RECORDED HEREWITH.

THIS PLAN IS SUBJECT TO A CERTIFICATE  
OF ACTION WHICH SHALL BE RECORDED  
WITH THE PLAN AT THE NORFOLK COUNTY  
REGISTRY OF DEEDS.

PLAN No. 754, 1974, Bk. 245



ZONED: AR-1  
AREA = 44,000 sf  
FRONTAGE = 180 feet  
SETBACKS: FRONT = 35 feet  
SIDE = 15 feet  
REAR = 15 feet

ASSESSOR MAP 37, LOT 67

OWNER / APPLICANT:

THE RESIDENCES AT CHOATE TRAIL, LLC  
17 GOLDFINCH LANE  
NASHUA, NH 03062

**CONNORSTONE  
ENGINEERING INC.**

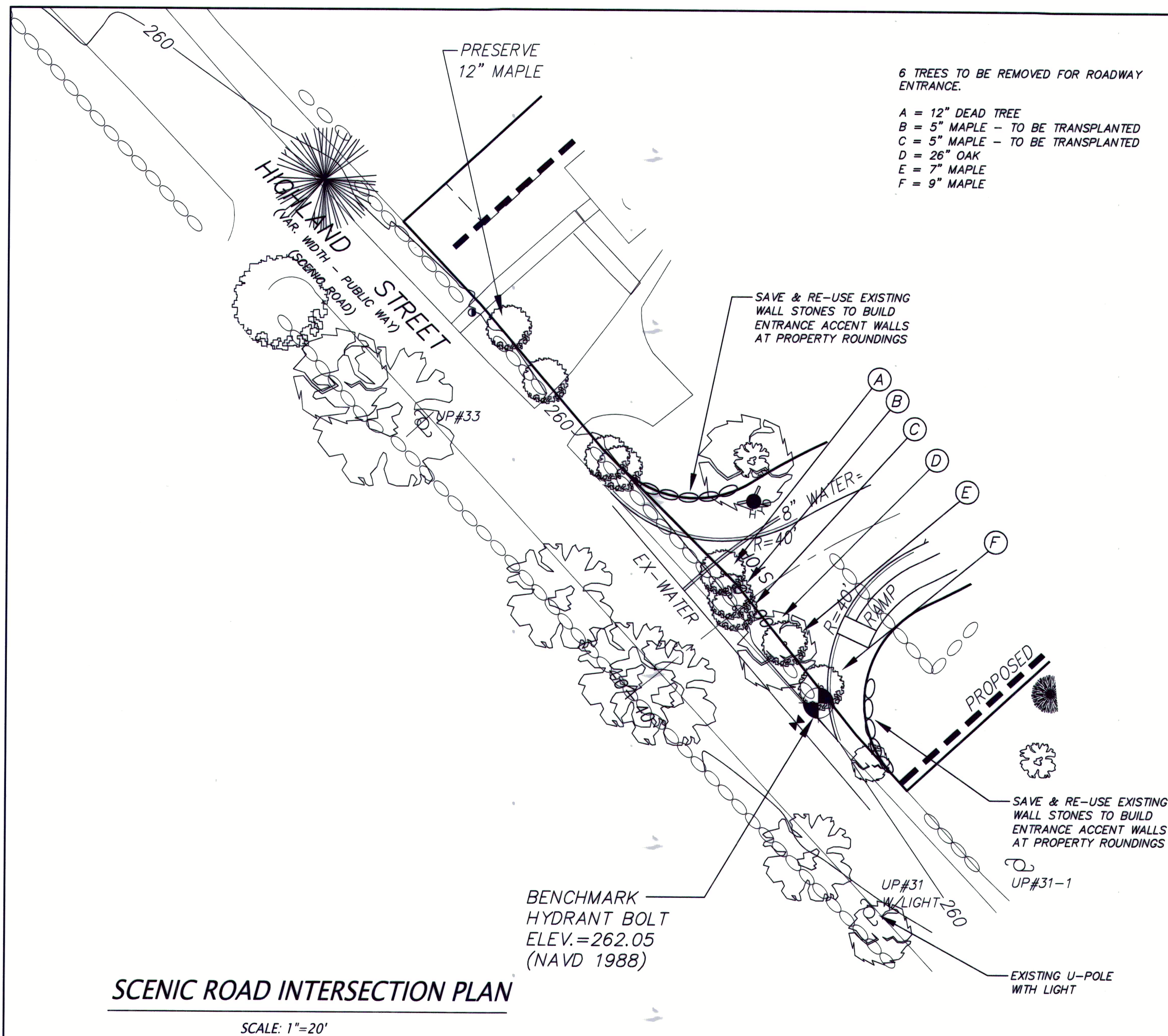
CIVIL ENGINEERS AND LAND SURVEYORS  
10 SOUTHWEST CUTOFF, SUITE 7  
NORTHBOROUGH, MASSACHUSETTS 01532  
PHONE: 508-393-9727 FAX: 508-393-5242

## DEFINITIVE SUBDIVISION PLAN

EROSION & SEDIMENT  
CONTROL PLAN  
CHOATE TRAIL WAY  
IN  
MEDWAY, MASS.

7/23/2020	CONDITIONS OF APPROVAL
4/16/2020	WET FLAG EDITS
3/19/2020	PEER REVIEW COMMENTS
3/9/2020	REVIEW COMMENTS
1/13/2020	REVIEW COMMENTS
1/3/2020	REVIEW COMMENTS
REVISED:	DESCRIPTION:
DRAWN BY: REM	CHECK BY: VC
DATE: NOVEMBER 8, 2019	
SCALE: 1"=40'	SHEET 4 OF 8.





APPROVED STREET TREES:  
PER SUBDIVISION REGULATIONS: SUGAR MAPLE,  
WHITE, PIN AND NORTHERN RED OAK

MINIMUM OF 3 SPECIES TO BE PLANTED.  
STAGGER LAYOUT SO THAT NO ONE SPECIES  
SHALL BE PLANTED NEXT TO A LIKE SPECIES

MODIFICATION OF TREE SPECIES SHALL BE VERIFIED THROUGH THE TREE WARDEN, CONSERVATION COMMISSION, AND PLANNING BOARD.



<b>PLANT LIST</b>			
<b>Qty</b>	<b>Botanical Name</b>	<b>Common Name</b>	<b>Size</b>
<b>CUL-DE-SAC ISLAND</b>			
3	Cornus florida	Flowering Dogwood	Multi-10-12'
12	Ilex verticillata	Winterberry	2-2.5'
12	Ilex Glabra	Ink Berry	2-2.5'

*CUL-DE-SAC PLANTING PLAN*

APPROVAL UNDER THE  
SUBDIVISION CONTROL LAW,  
IS REQUIRED.  
MEDWAY PLANNING AND ECONOMIC  
DEVELOPMENT BOARD

DATE: August 11, 2020

THIS PLAN IS SUBJECT TO A COVENANT  
TO BE RECORDED HEREWITH.

THIS PLAN IS SUBJECT TO A CERTIFICATE  
OF ACTION WHICH SHALL BE RECORDED  
WITH THE PLAN AT THE NORFOLK COUNTY  
REGISTRY OF DEEDS.

NOTE:  
PRESENT AND FUTURE OWNERS ARE  
SUBJECT TO A DECLARATION OF  
PROTECTIVE COVENANTS & RESTRICTIONS  
AND PRIVATE ROADWAY AGREEMENT  
GOVERNING THE CHOATE TRAIL  
SUBDIVISION.



ZONED: AR-1  
AREA = 44,000 sf  
FRONTAGE = 180 feet  
SETBACKS: FRONT = 35 feet  
            SIDE = 15 feet  
            REAR = 15 feet

ASSESSOR MAP 37, LOT 67

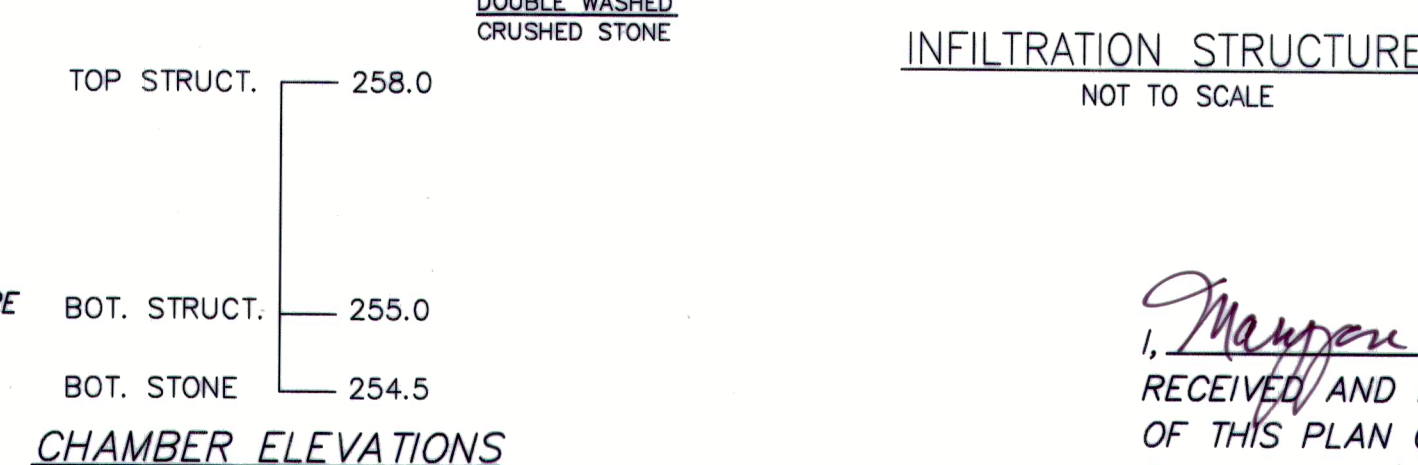
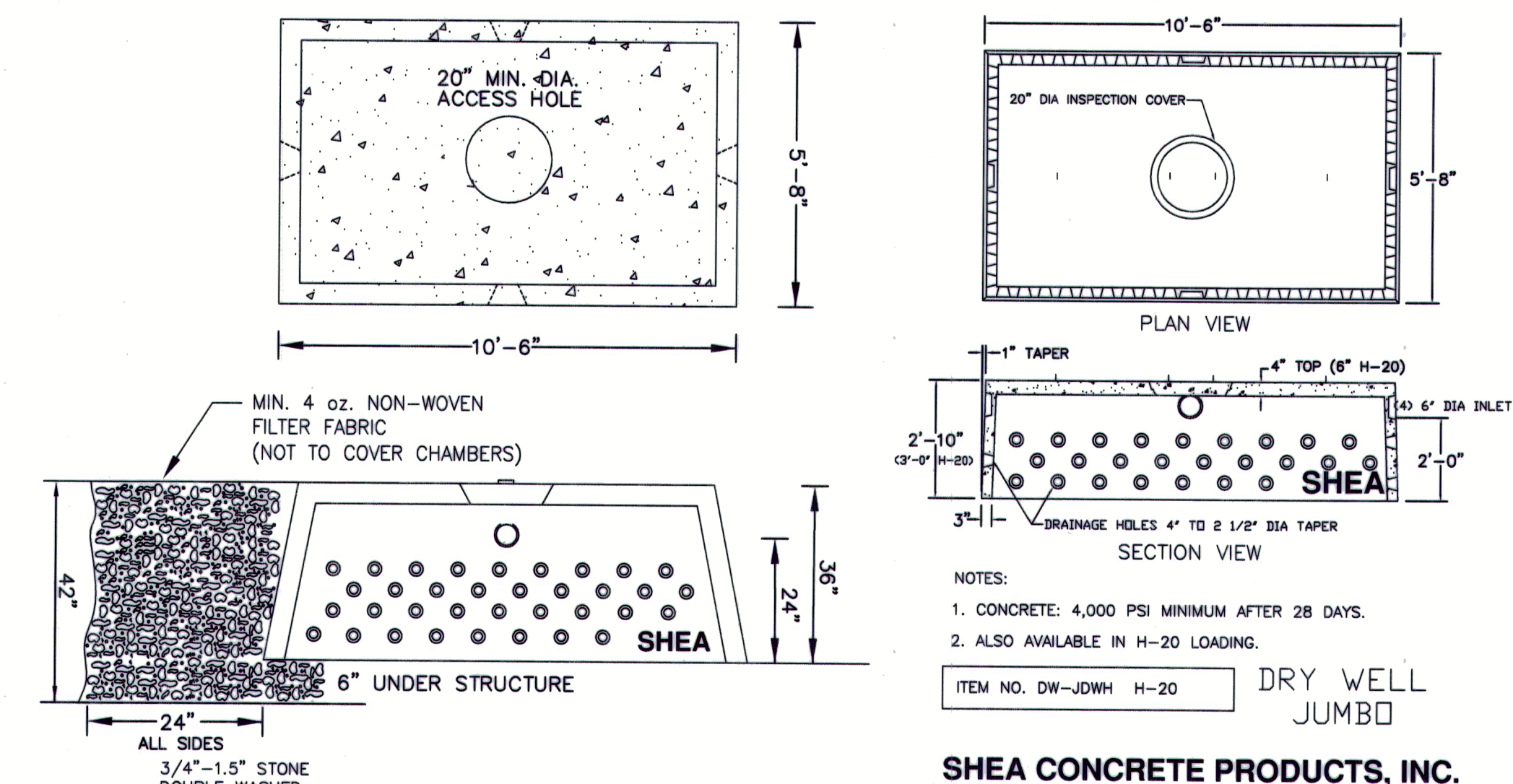
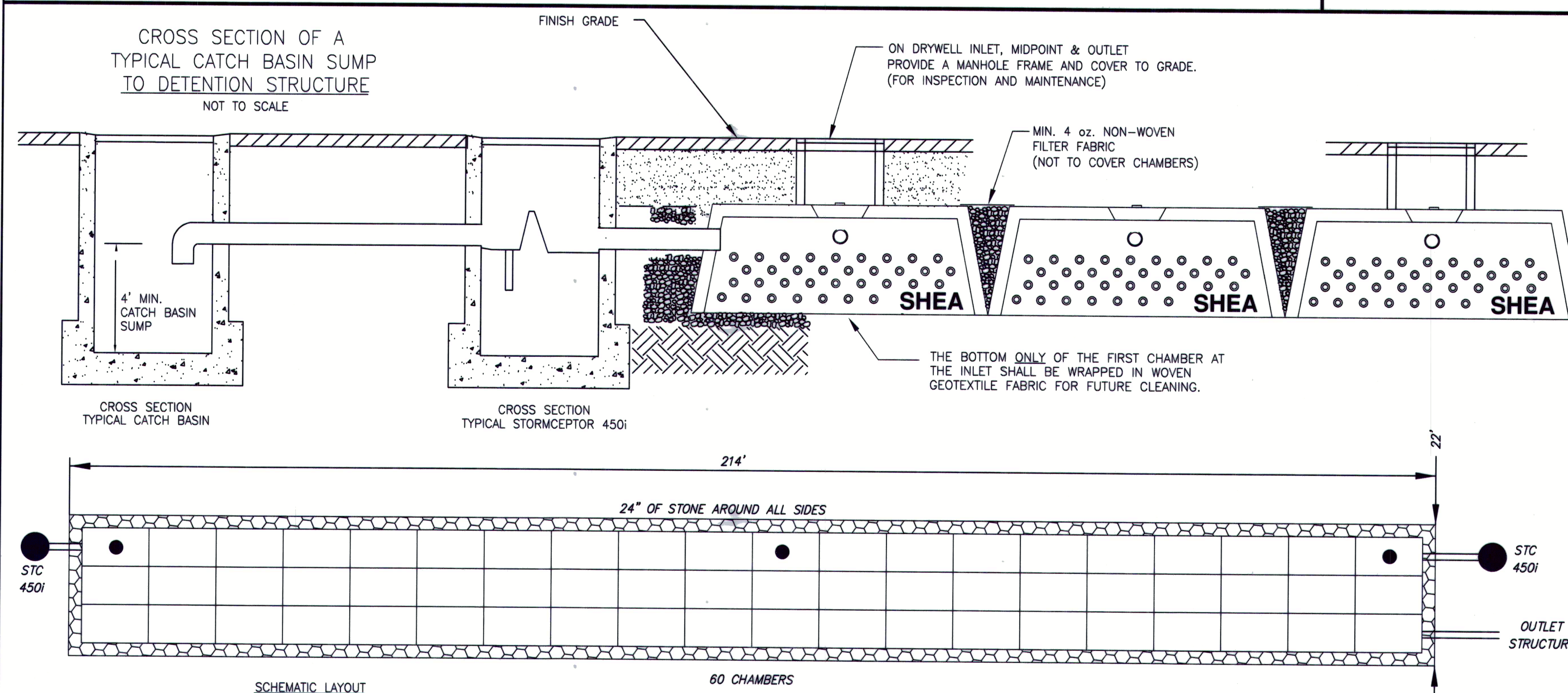
OWNER / APPLICANT:  
THE RESIDENCES AT CHOATE TRAIL, LLC  
17 GOLDFINCH LANE  
NASHUA, NH 03062

**CONNORSTONE  
ENGINEERING INC.**

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

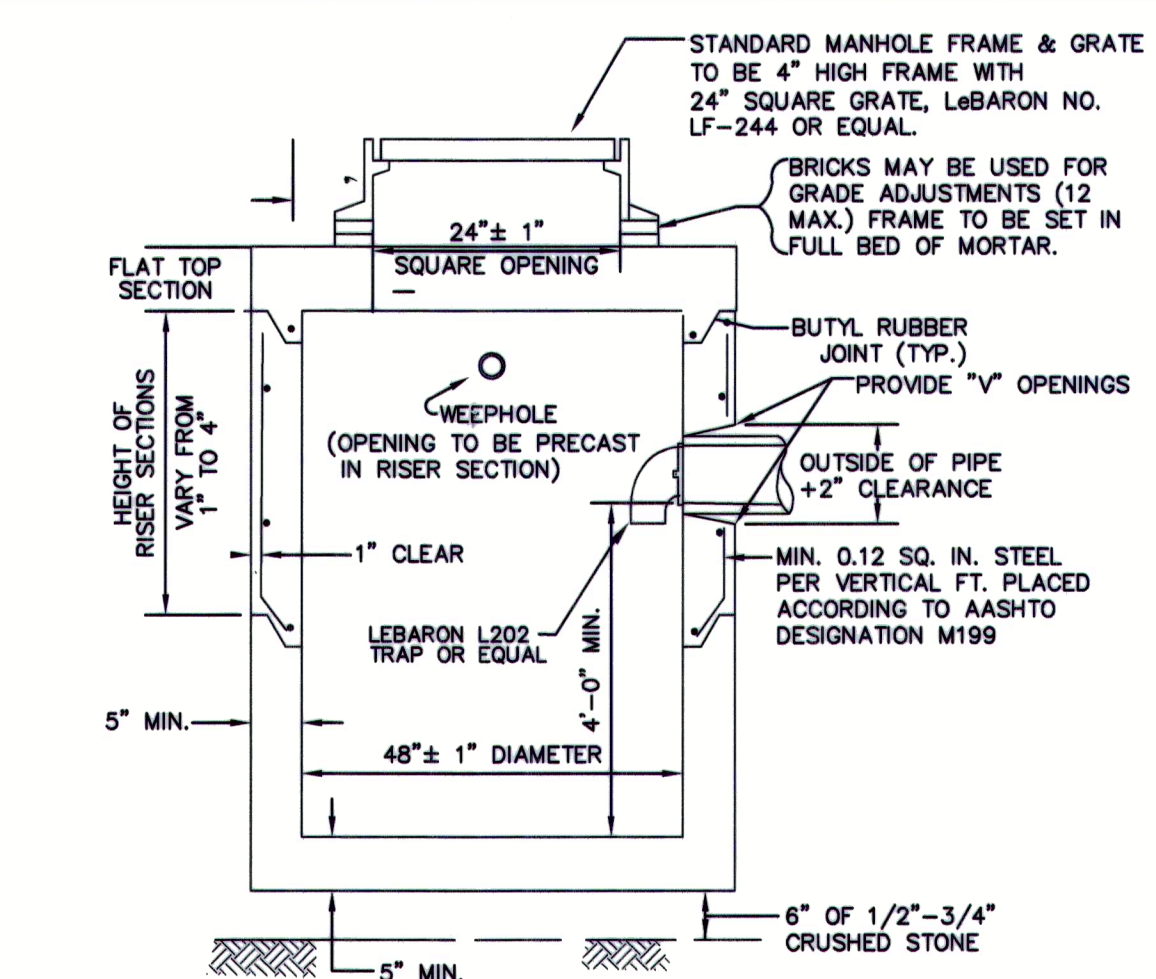
**DEFINITIVE SUBDIVISION PLAN  
SITE DETAIL PLAN  
CHOATE TRAIL WAY  
IN  
MEDWAY, MASS.**

7/23/2020	CONDITIONS OF APPROVAL	
4/16/2020	WET FLAG EDITS	
3/19/2020	PEER REVIEW COMMENTS	
3/9/2020	REVIEW COMMENTS	
1/13/2020	REVIEW COMMENTS	
1/3/2020	REVIEW COMMENTS	
REVISED:	DESCRIPTION:	
DRAWN BY: REM		CHECK BY: VC
DATE: NOVEMBER 8, 2019		
SCALE: 1"=40'		SHEET 5 OF 8.



I, Margen White CLERK OF THE TOWN OF MEDWAY  
RECEIVED AND RECORDED APPROVAL FROM THE PLANNING BOARD  
OF THIS PLAN ON May 20, 2020 AND NO APPEAL WAS TAKEN  
FOR TWENTY (20) DAYS THEREAFTER.

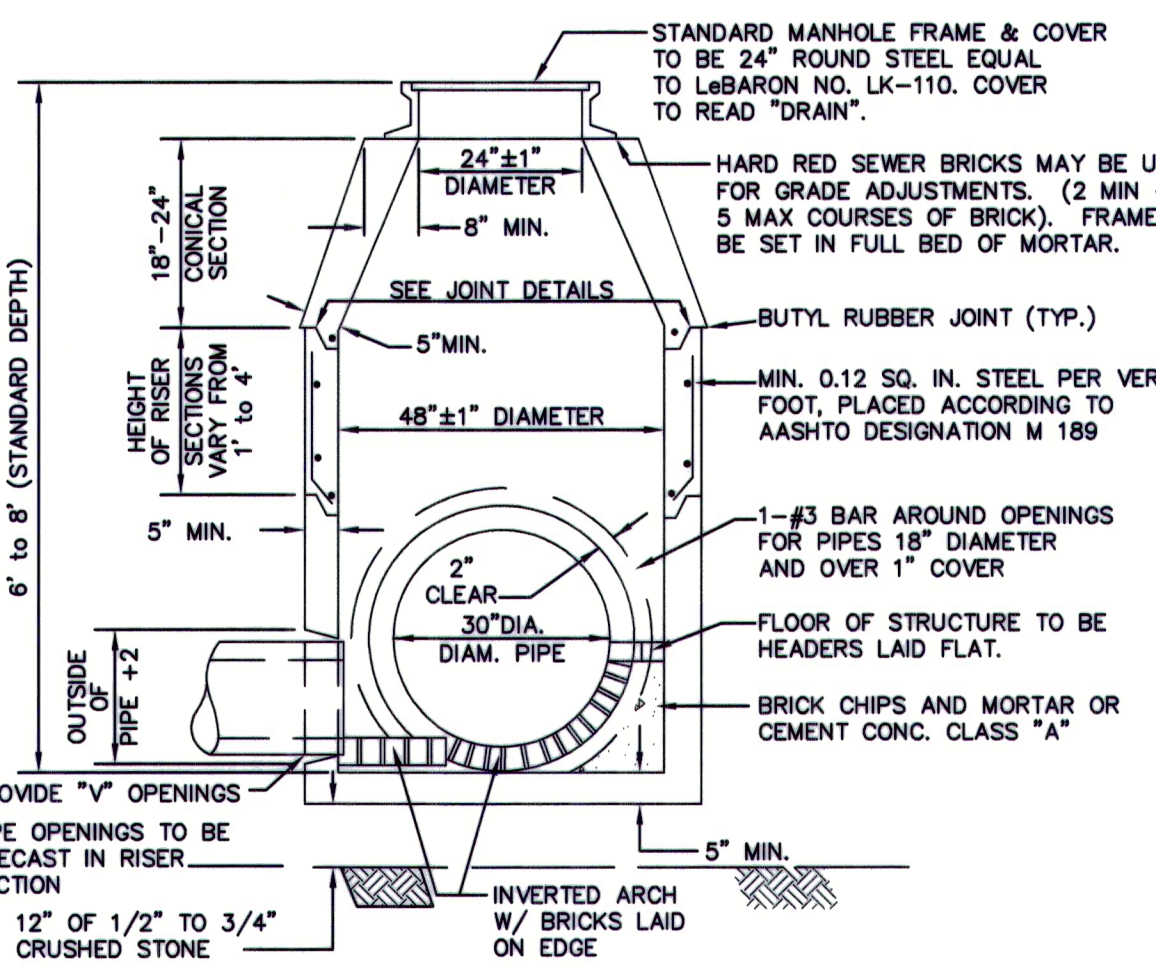




NOTE: NO BELL ENDS IN CATCH BASIN. CONNECTIONS TO BE TIGHTLY SEALED WITH MORTAR.

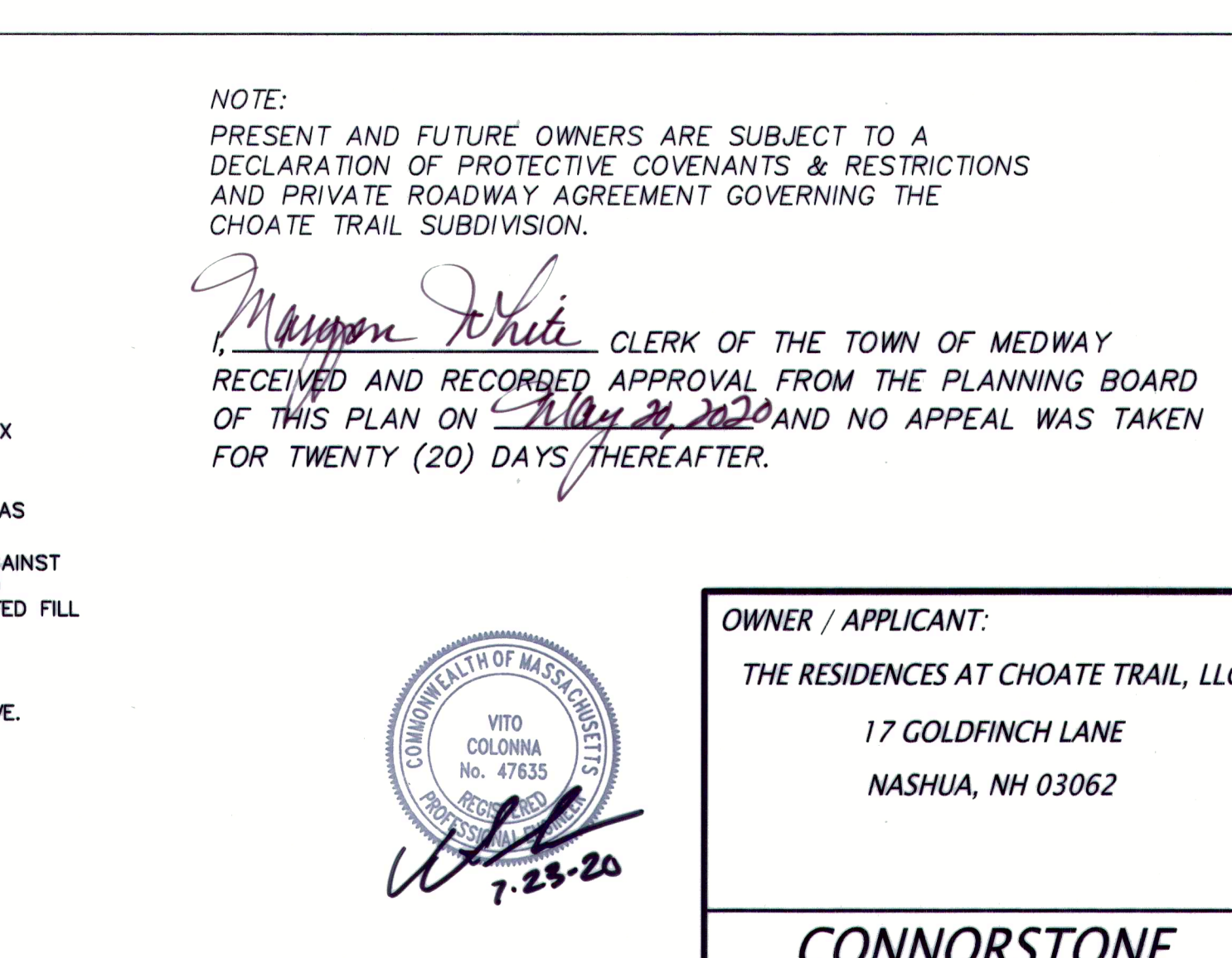
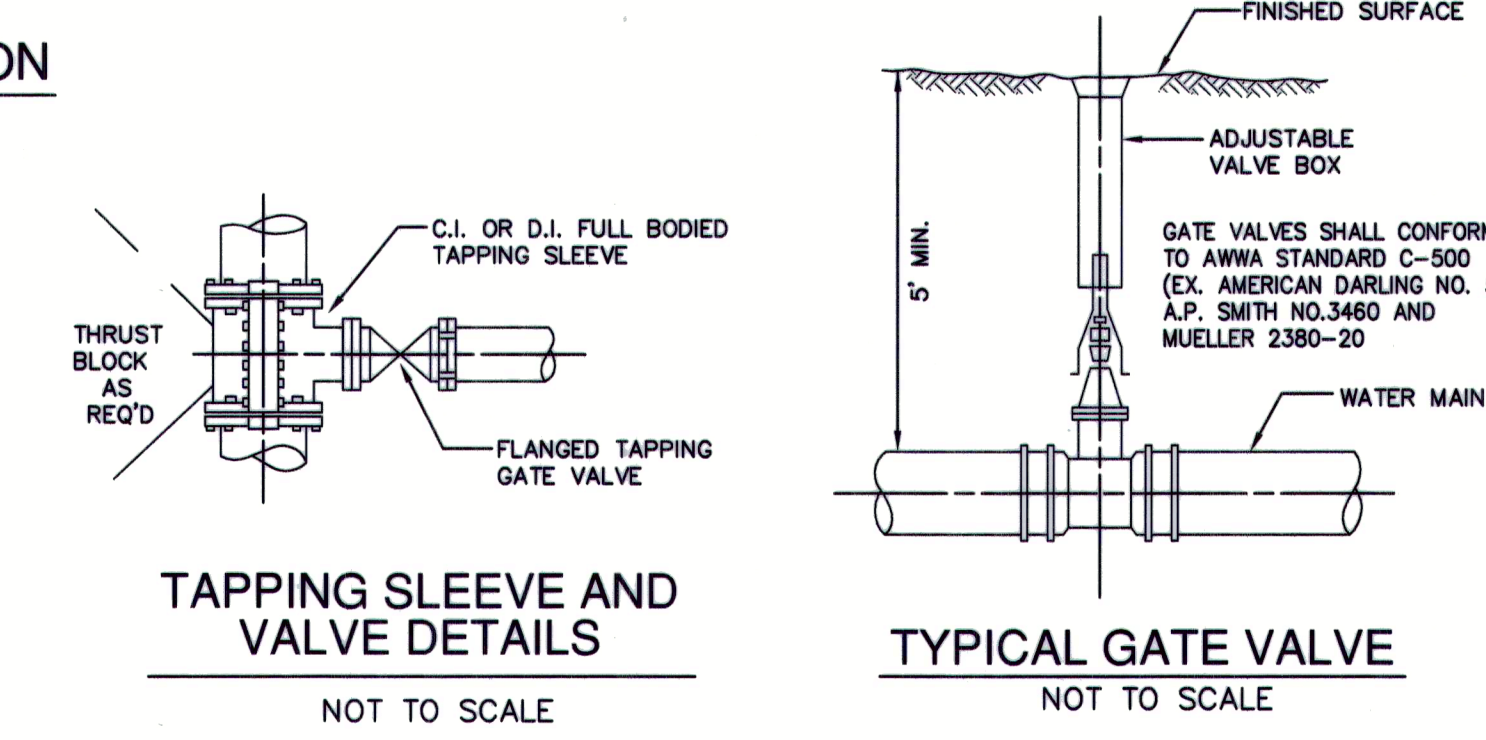
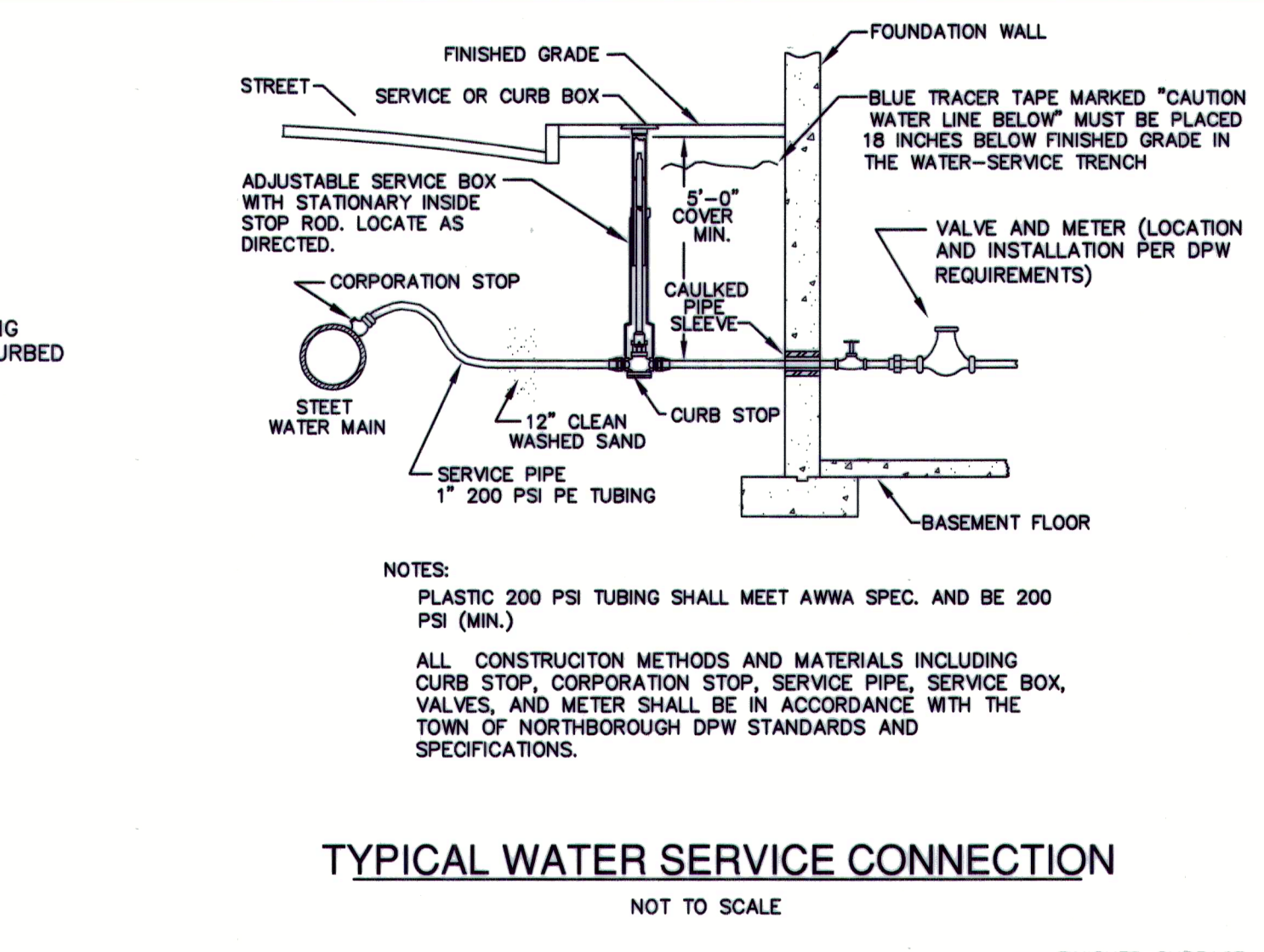
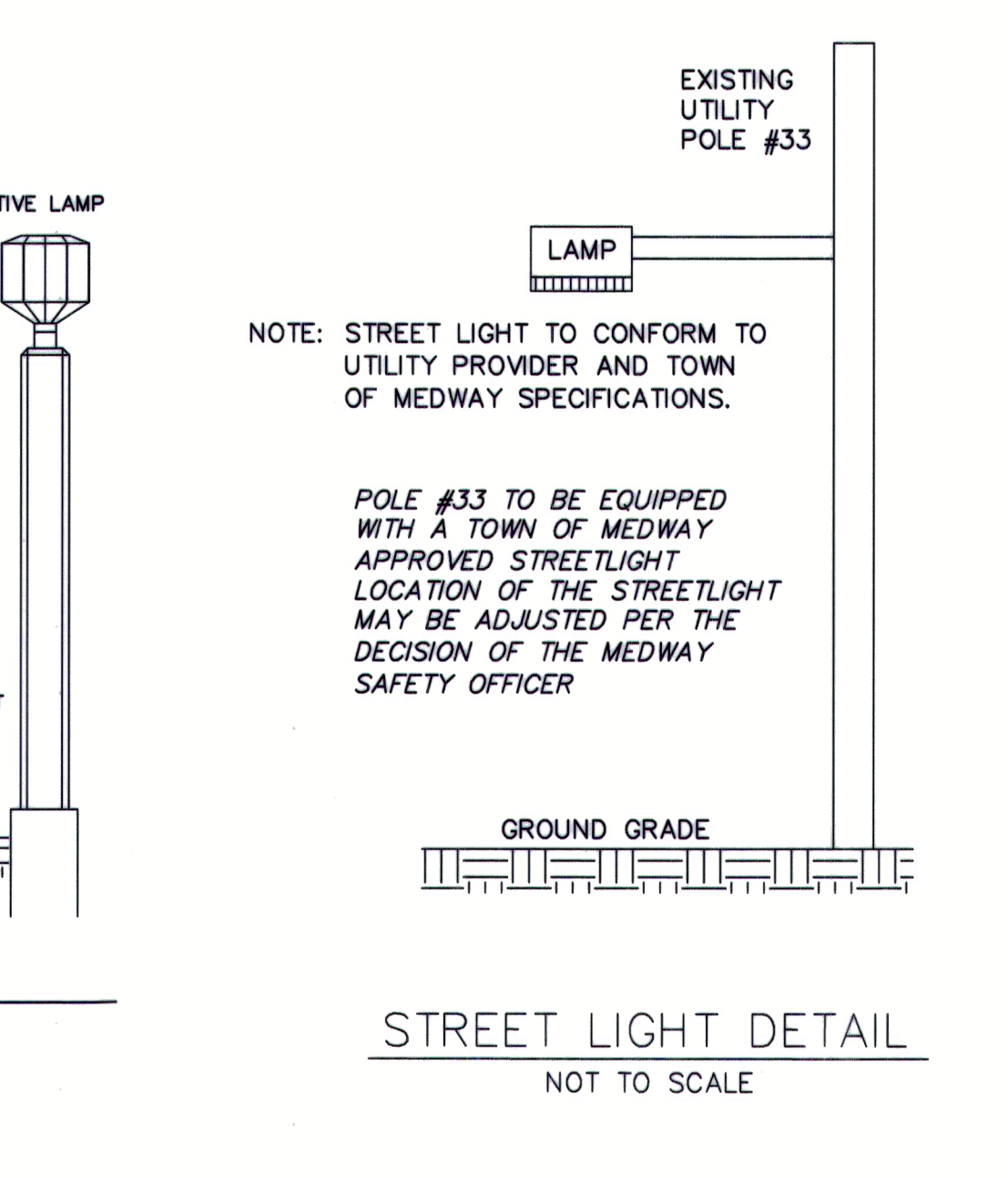
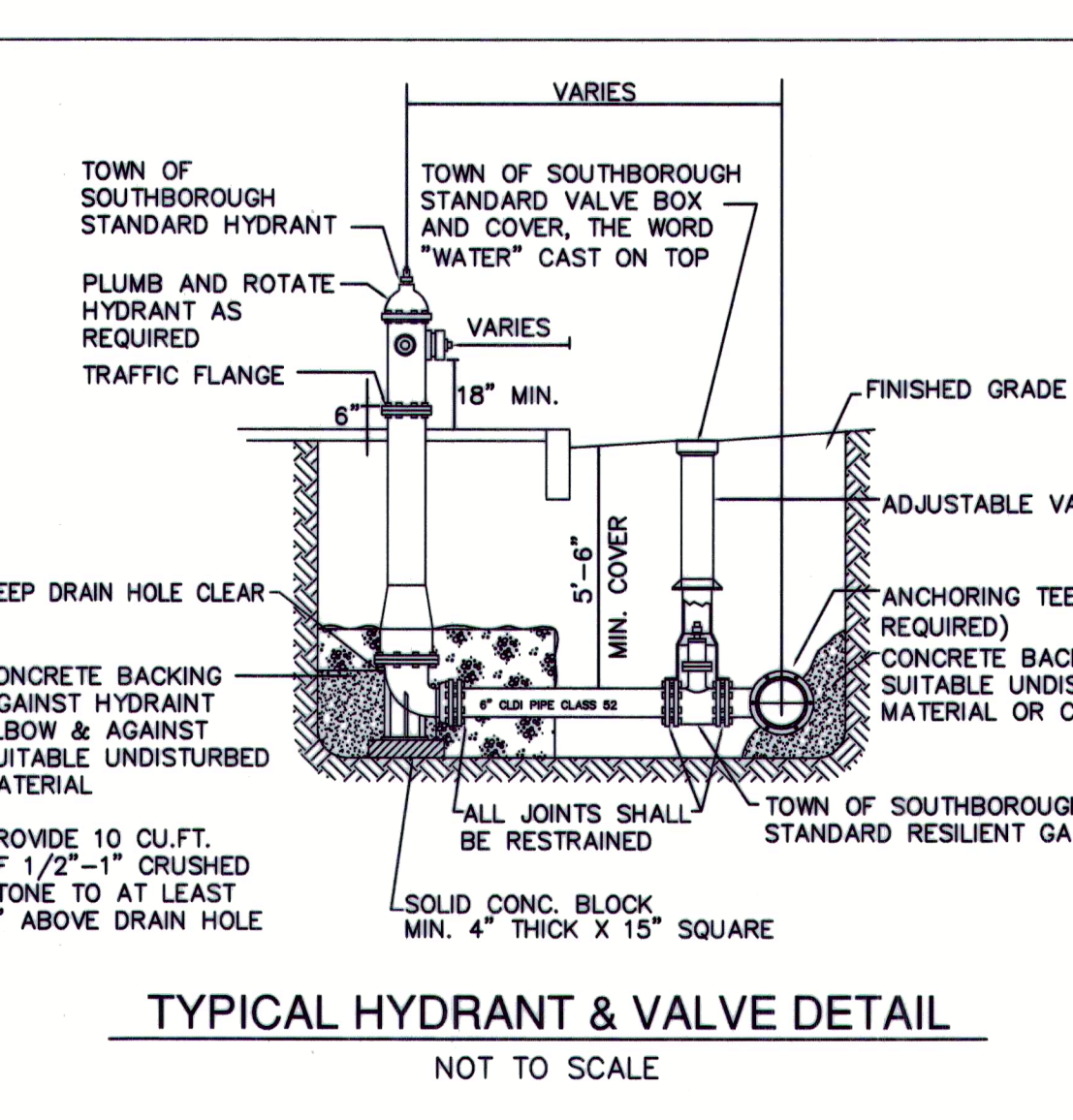
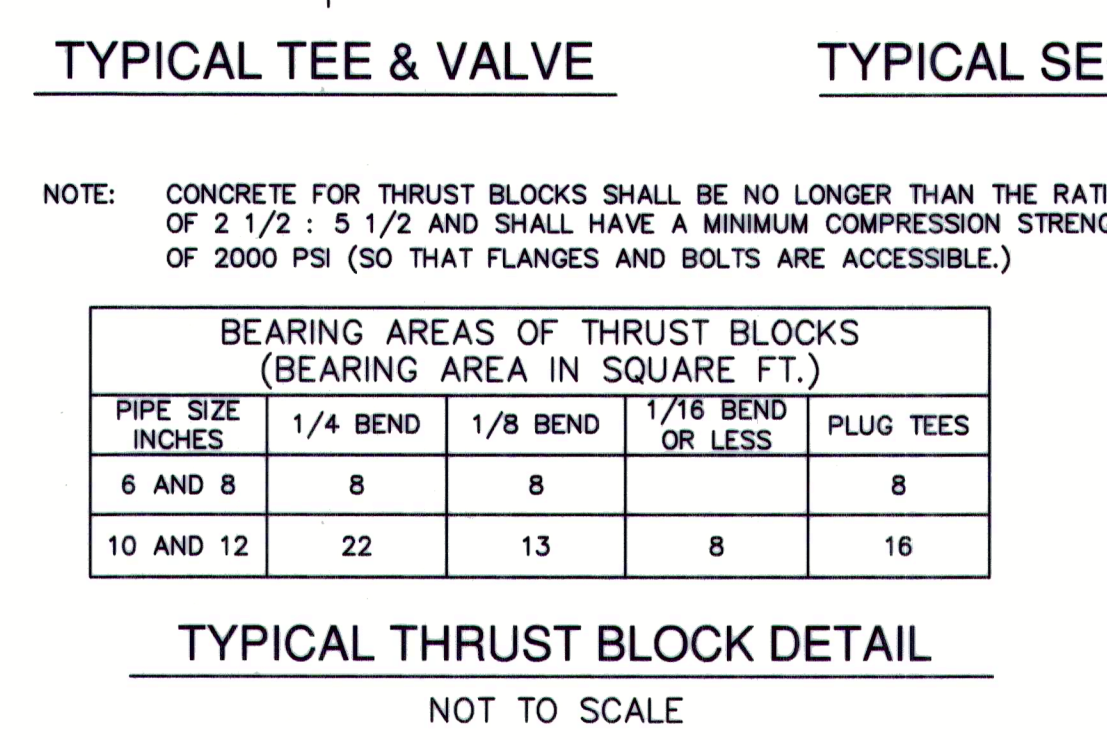
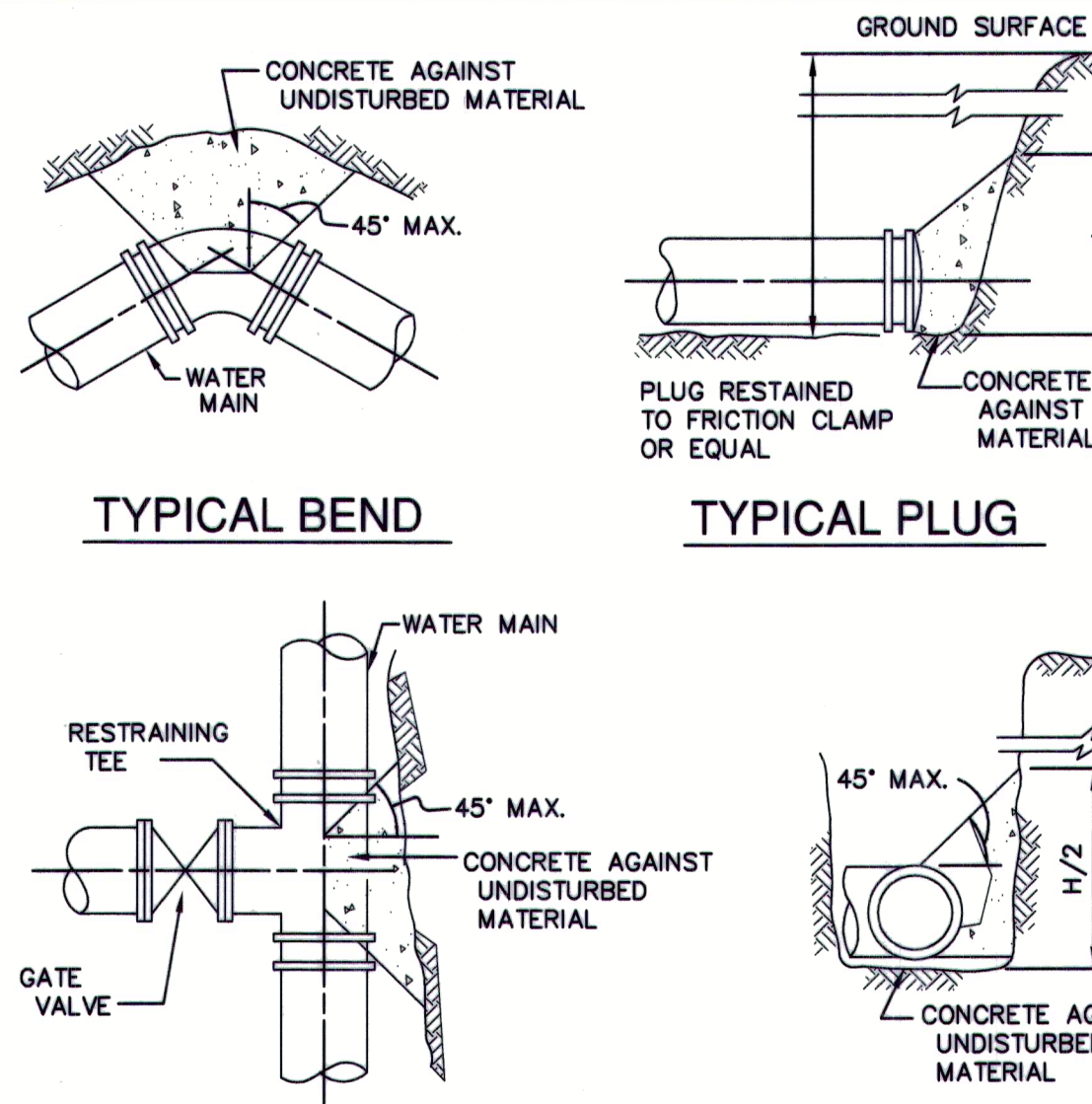
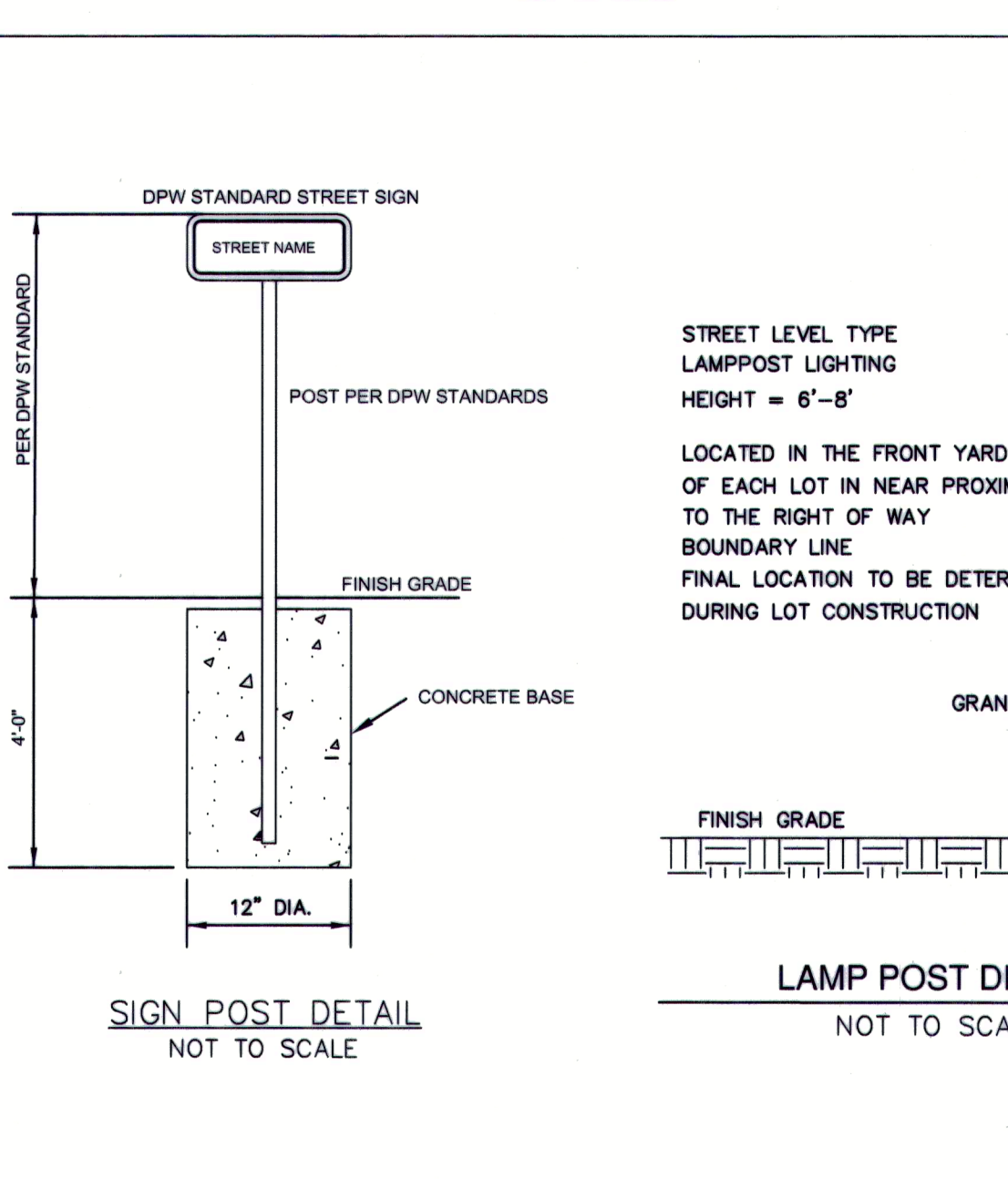
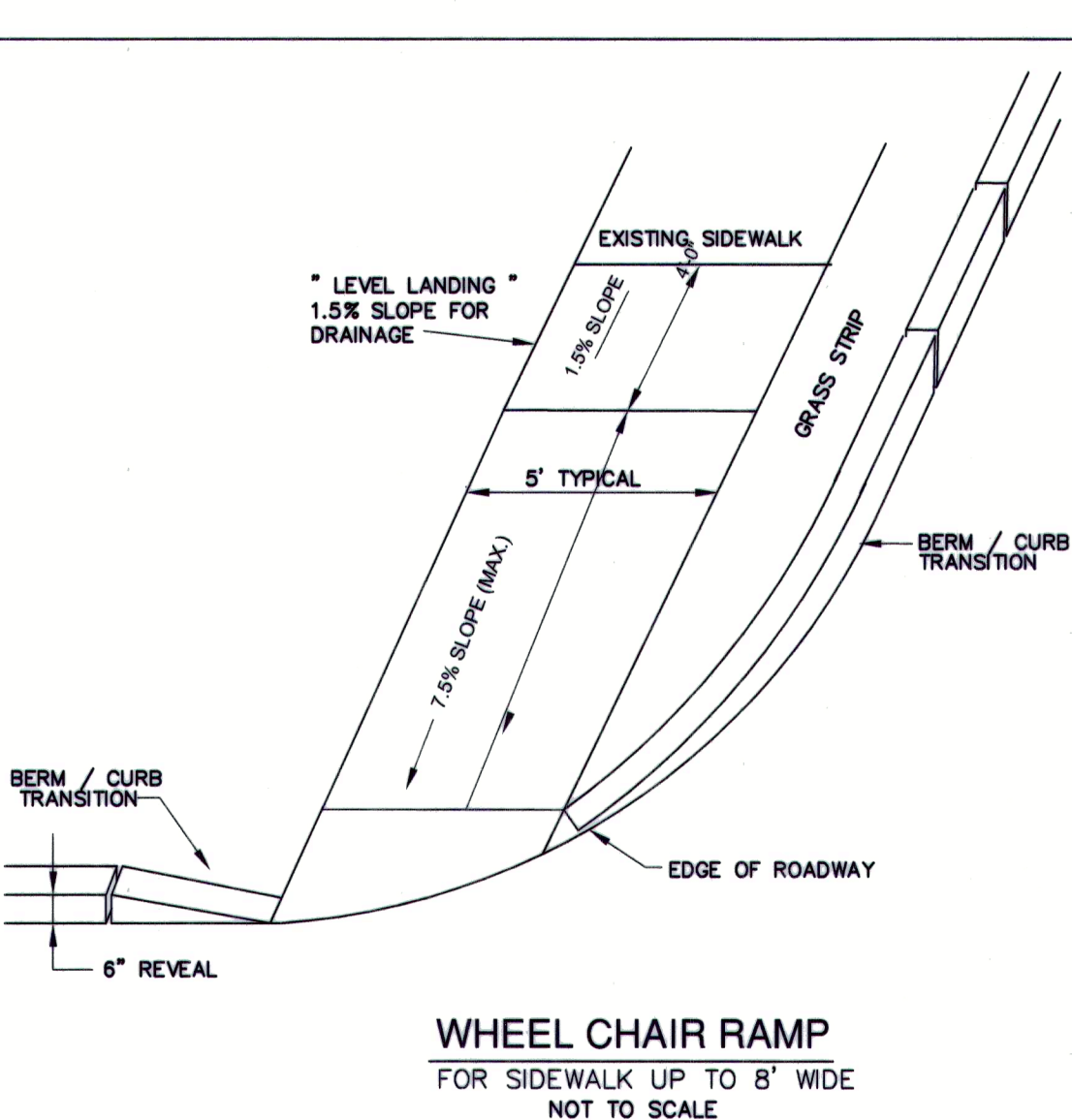
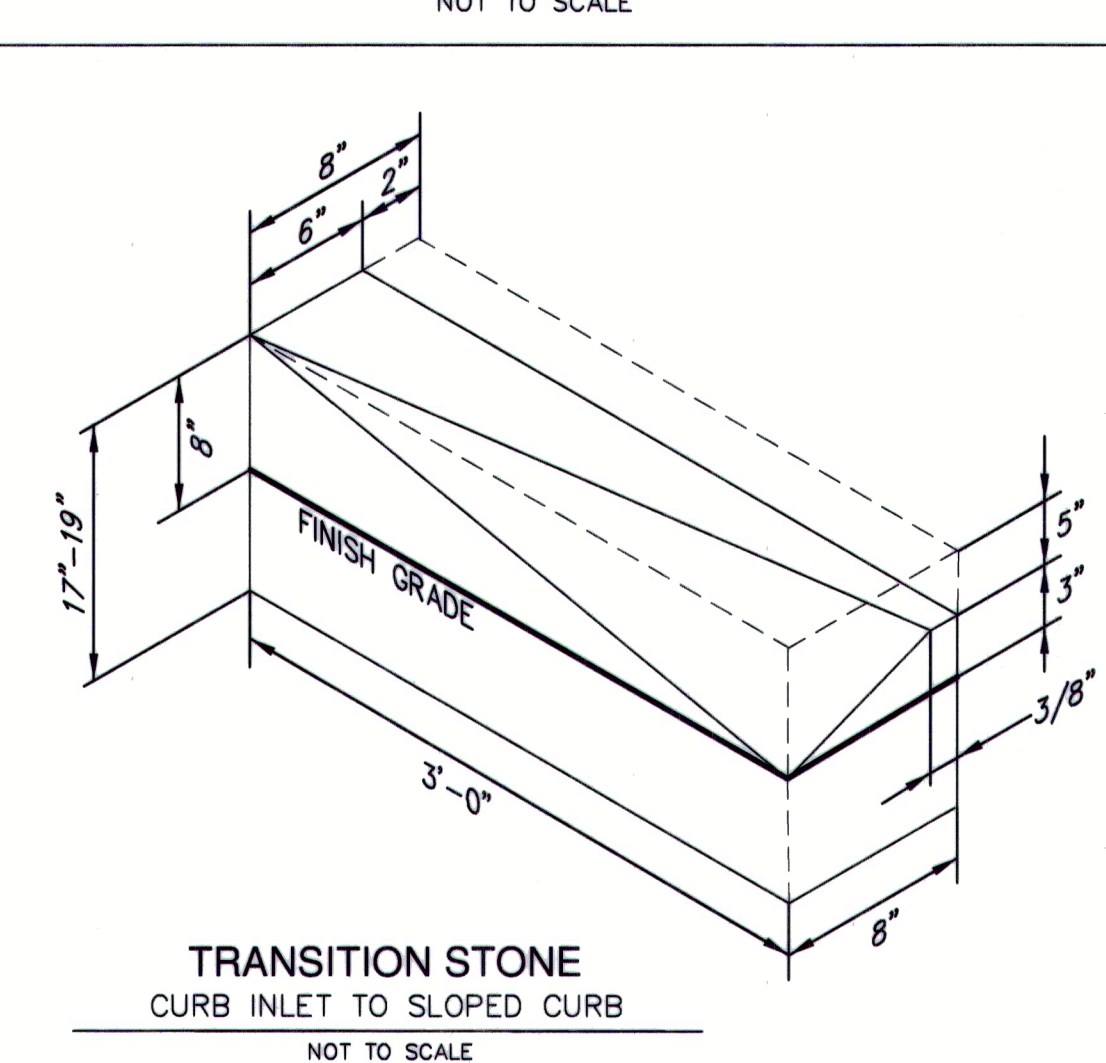
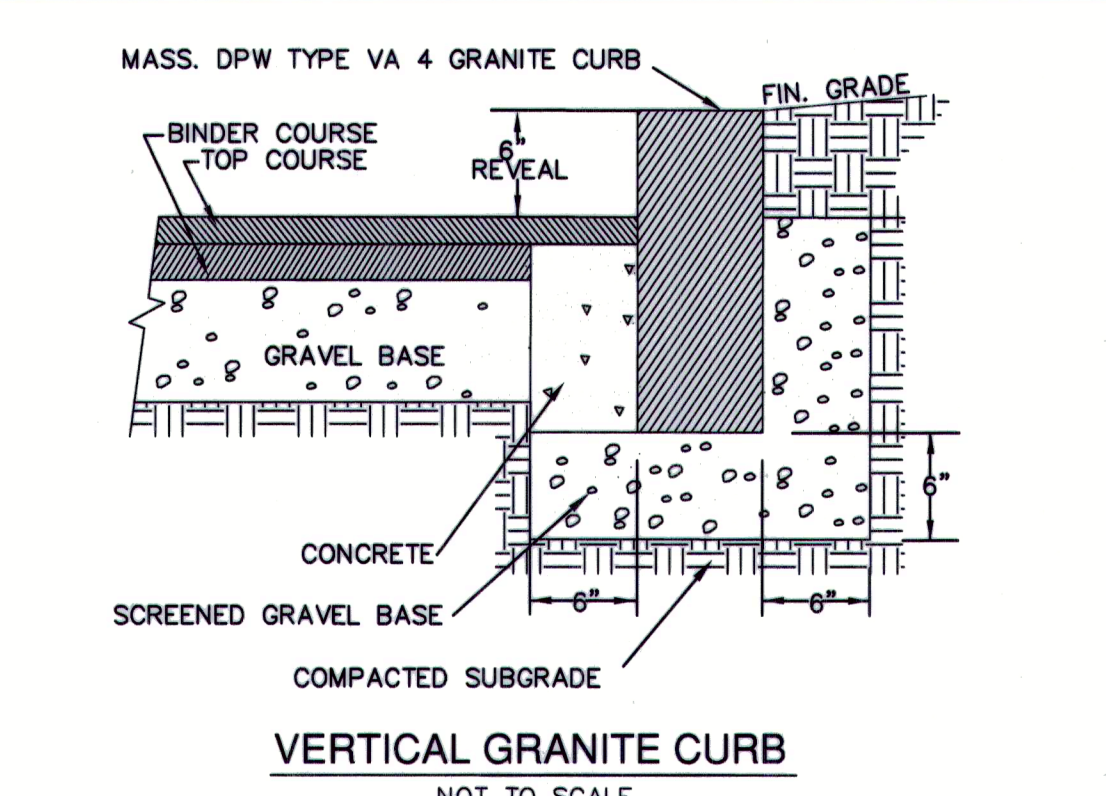
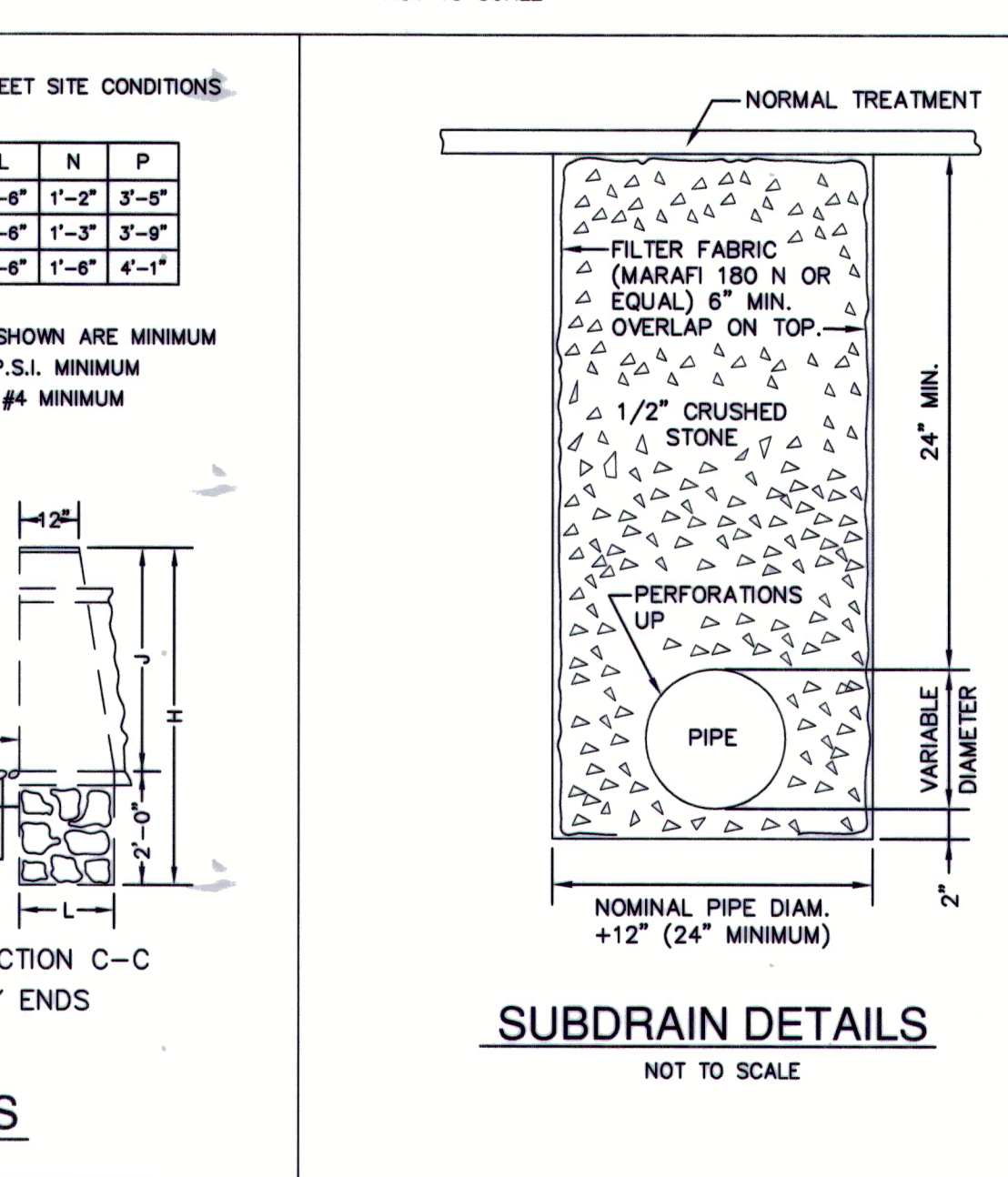
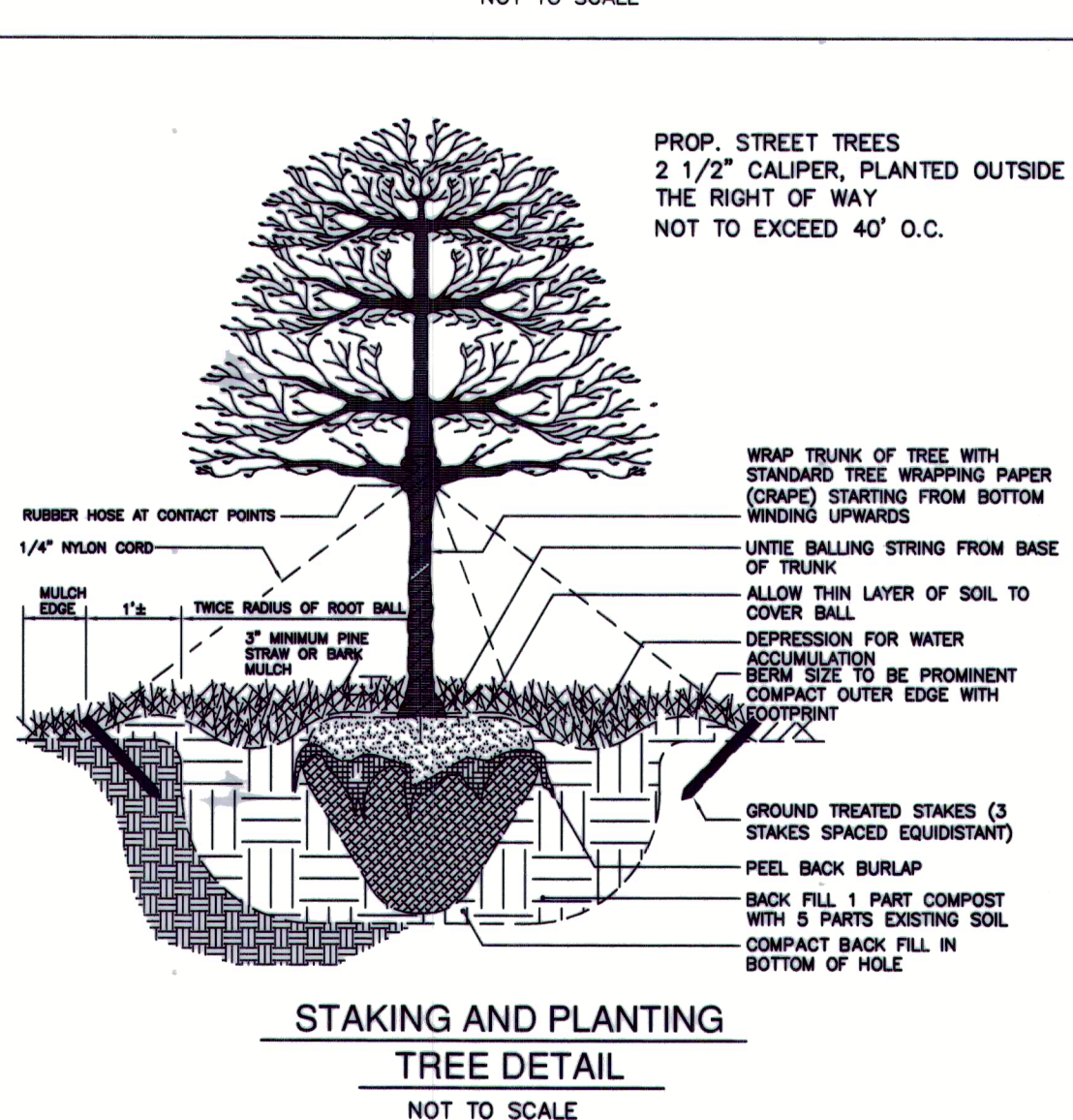
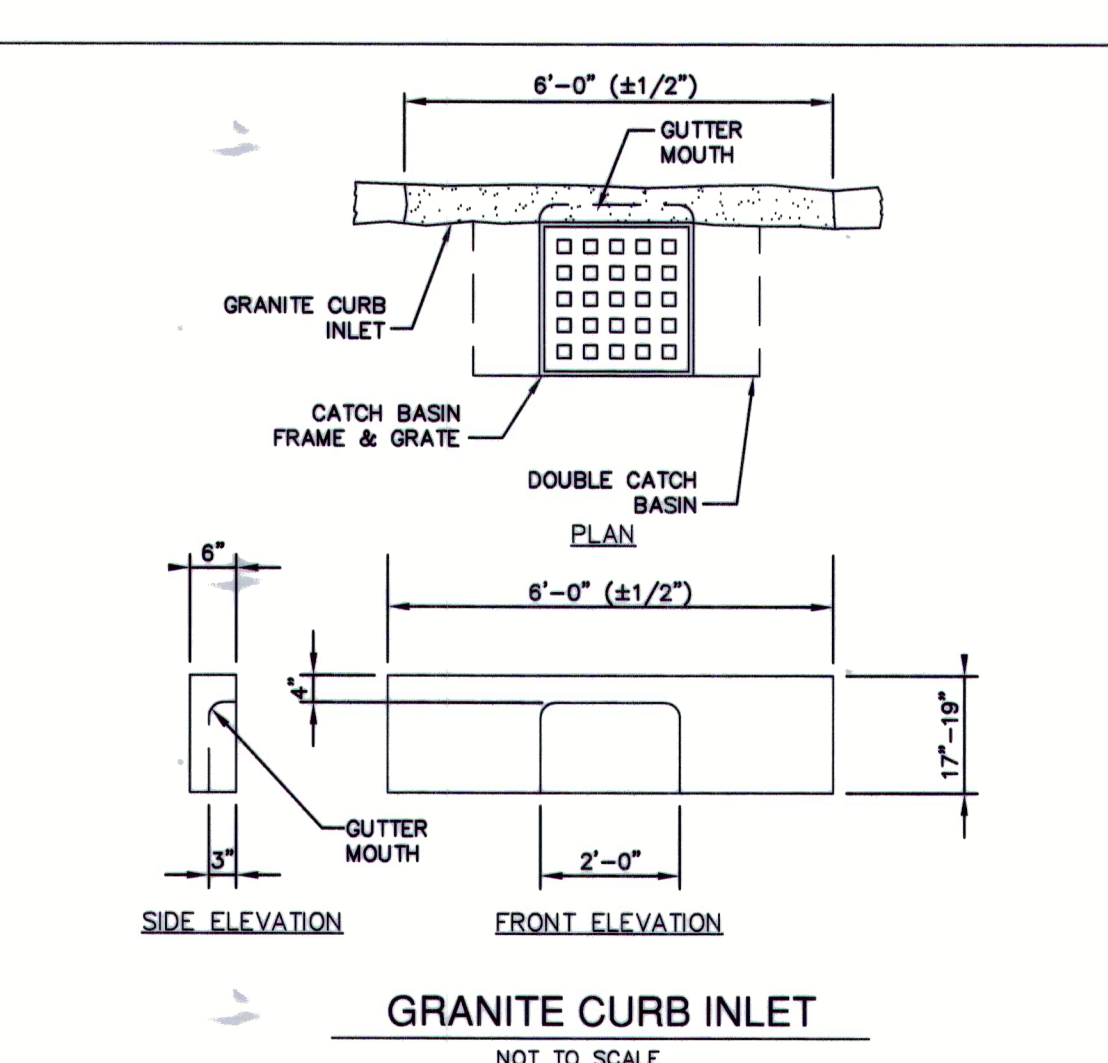
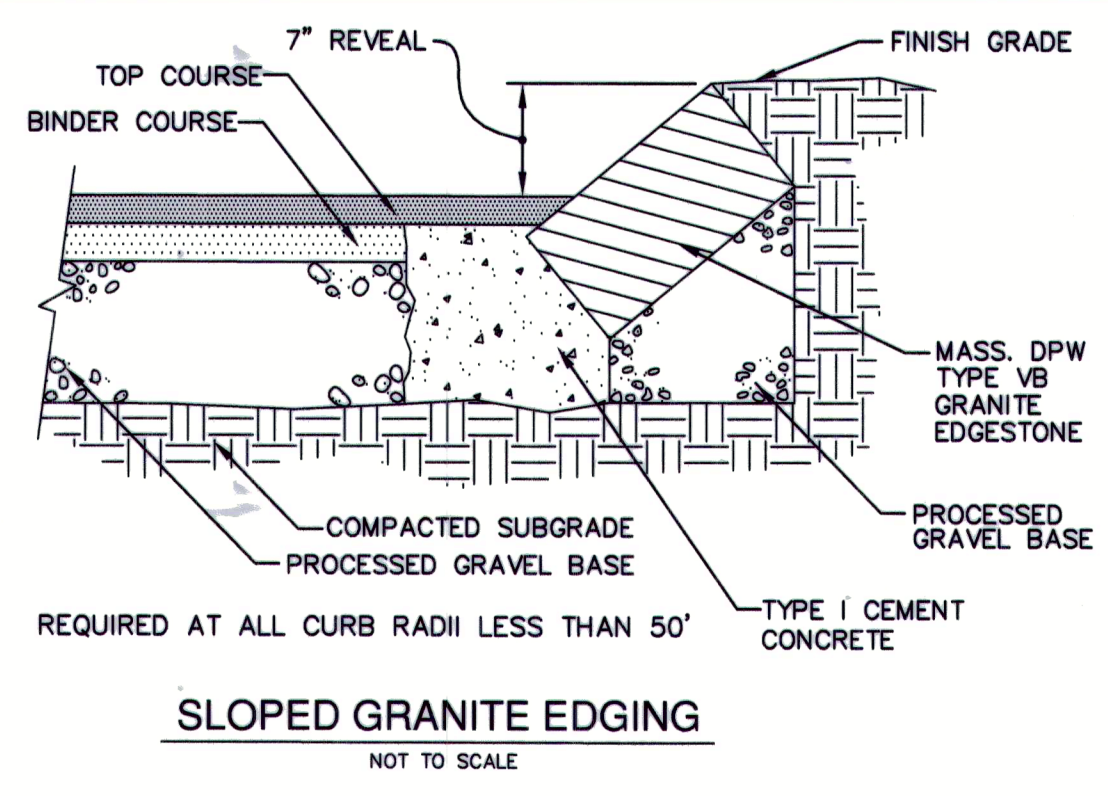
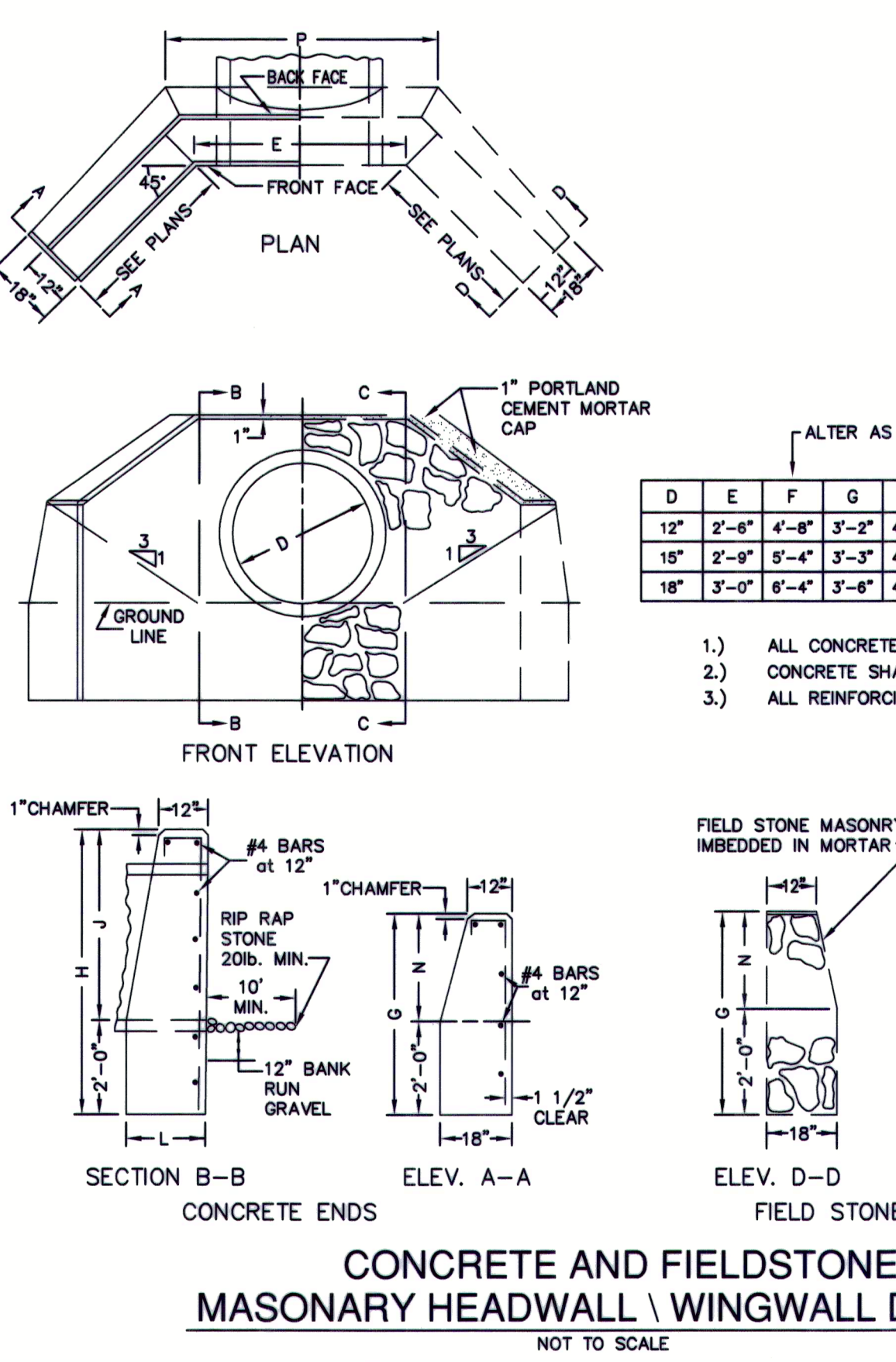
**PRECAST CONCRETE DRAIN CATCH BASIN DETAIL**

NOT TO SCALE



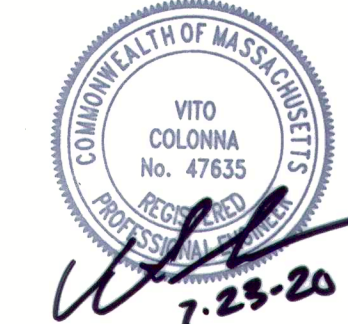
**PRECAST CONCRETE DRAIN MANHOLE DETAIL**

NOT TO SCALE



NOTE: PRESENT AND FUTURE OWNERS ARE SUBJECT TO A DECLARATION OF PROTECTIVE COVENANTS & RESTRICTIONS AND PRIVATE ROADWAY AGREEMENT GOVERNING THE CHOATE TRAIL SUBDIVISION.

*Morgan White* CLERK OF THE TOWN OF MEDWAY  
RECEIVED AND RECORDED APPROVAL FROM THE PLANNING BOARD OF THIS PLAN ON *May 21, 2020* AND NO APPEAL WAS TAKEN FOR TWENTY (20) DAYS THEREAFTER.

 VITO COLONNA No. 47635

OWNER / APPLICANT:  
THE RESIDENCES AT CHOATE TRAIL, LLC  
17 GOLDFINCH LANE  
NASHUA, NH 03062

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

**DEFINITIVE PLAN CONSTRUCTION DETAILS OF CHOATE TRAIL WAY IN MEDWAY, MASS**

DATE	DESCRIPTION
7/23/2020	CONDITIONS OF APPROVAL
4/16/2020	WET FLAG EDITS
3/19/2020	PEER REVIEW COMMENTS
3/9/2020	REVIEW COMMENTS
1/13/2020	REVIEW COMMENTS
1/3/2020	REVIEW COMMENTS

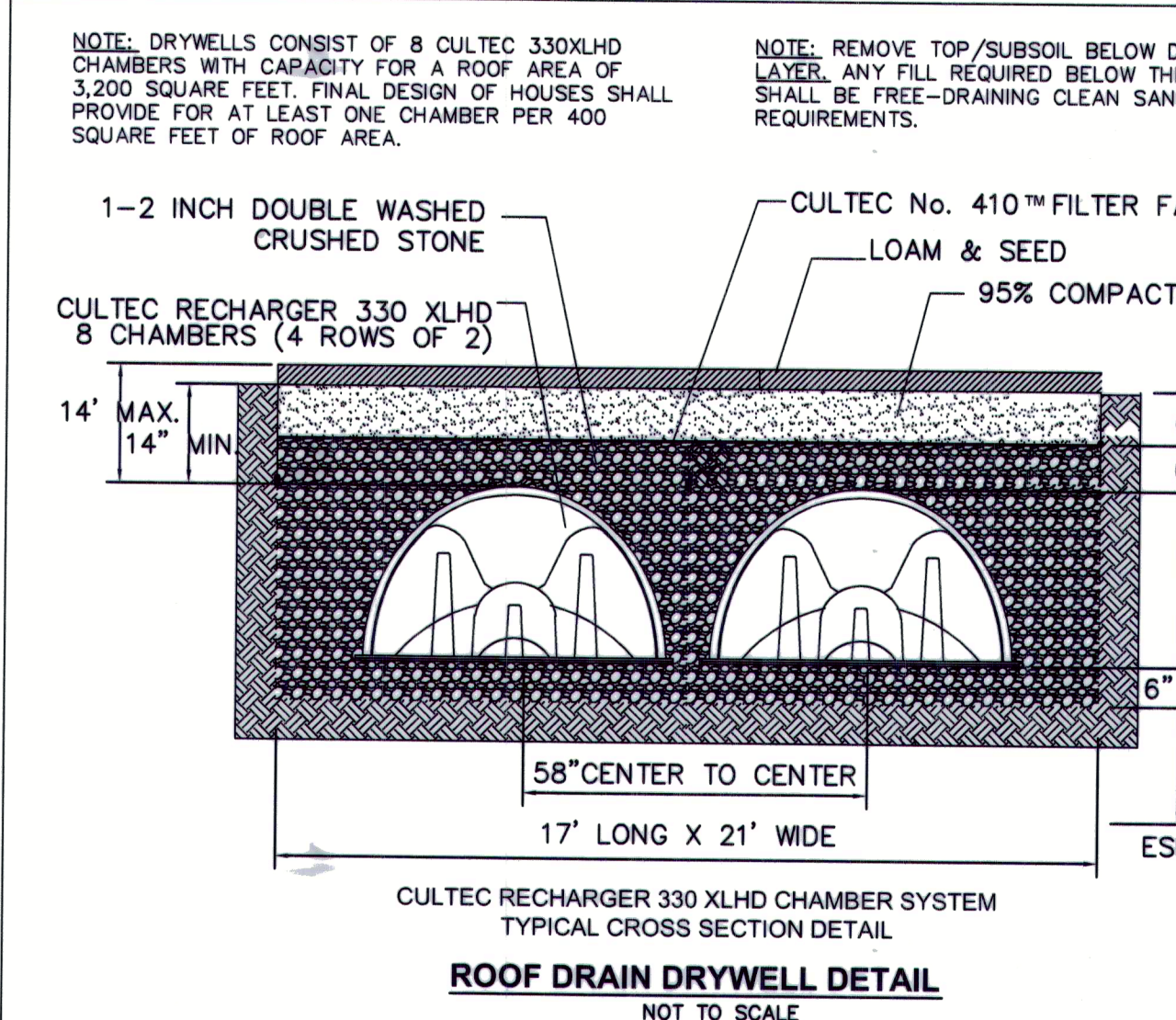
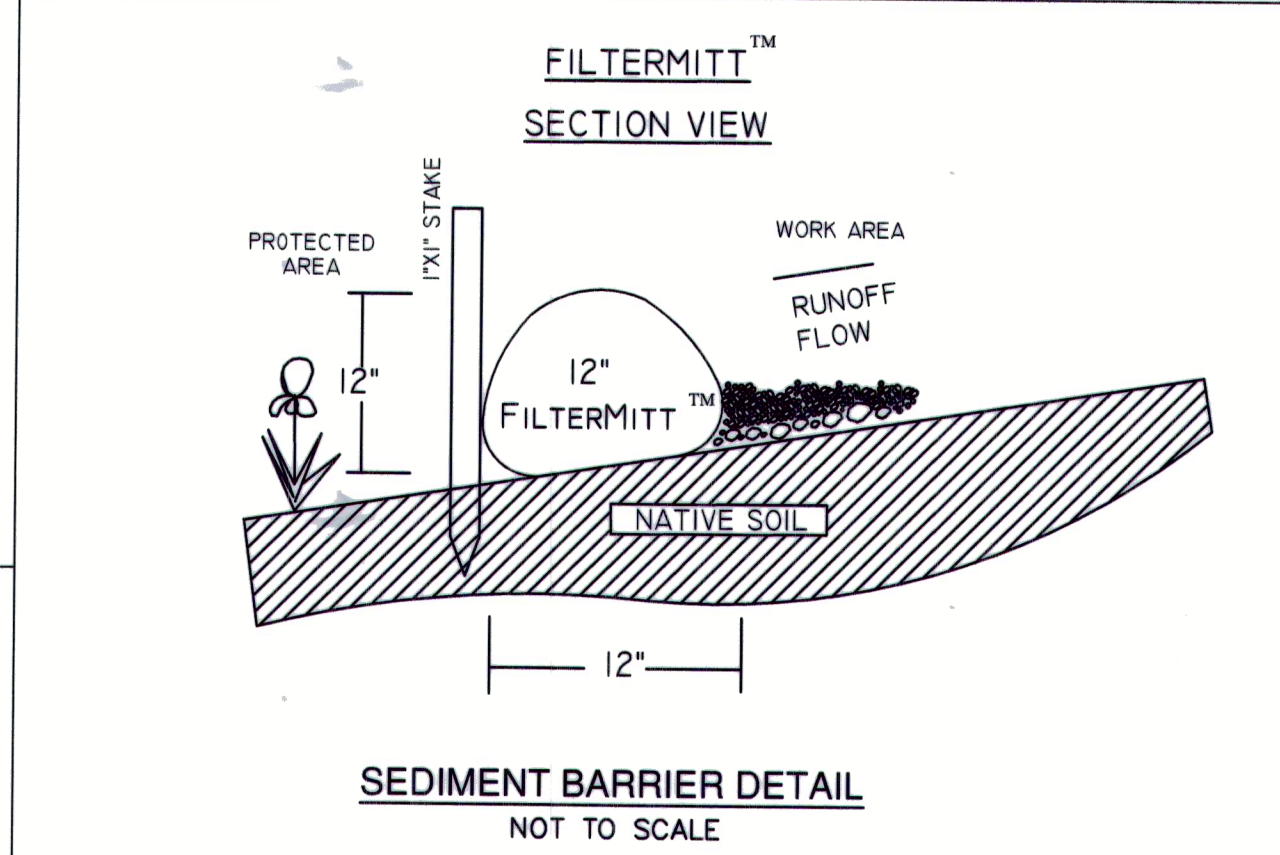
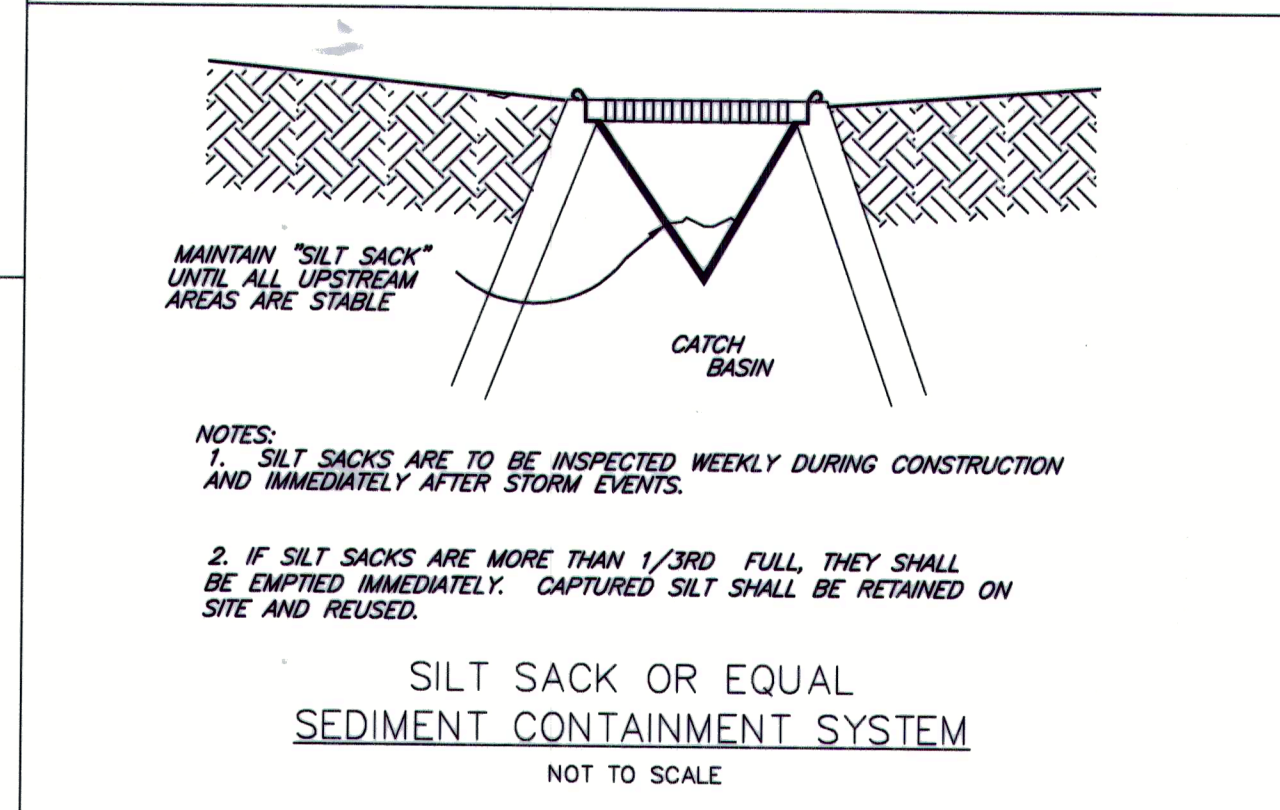
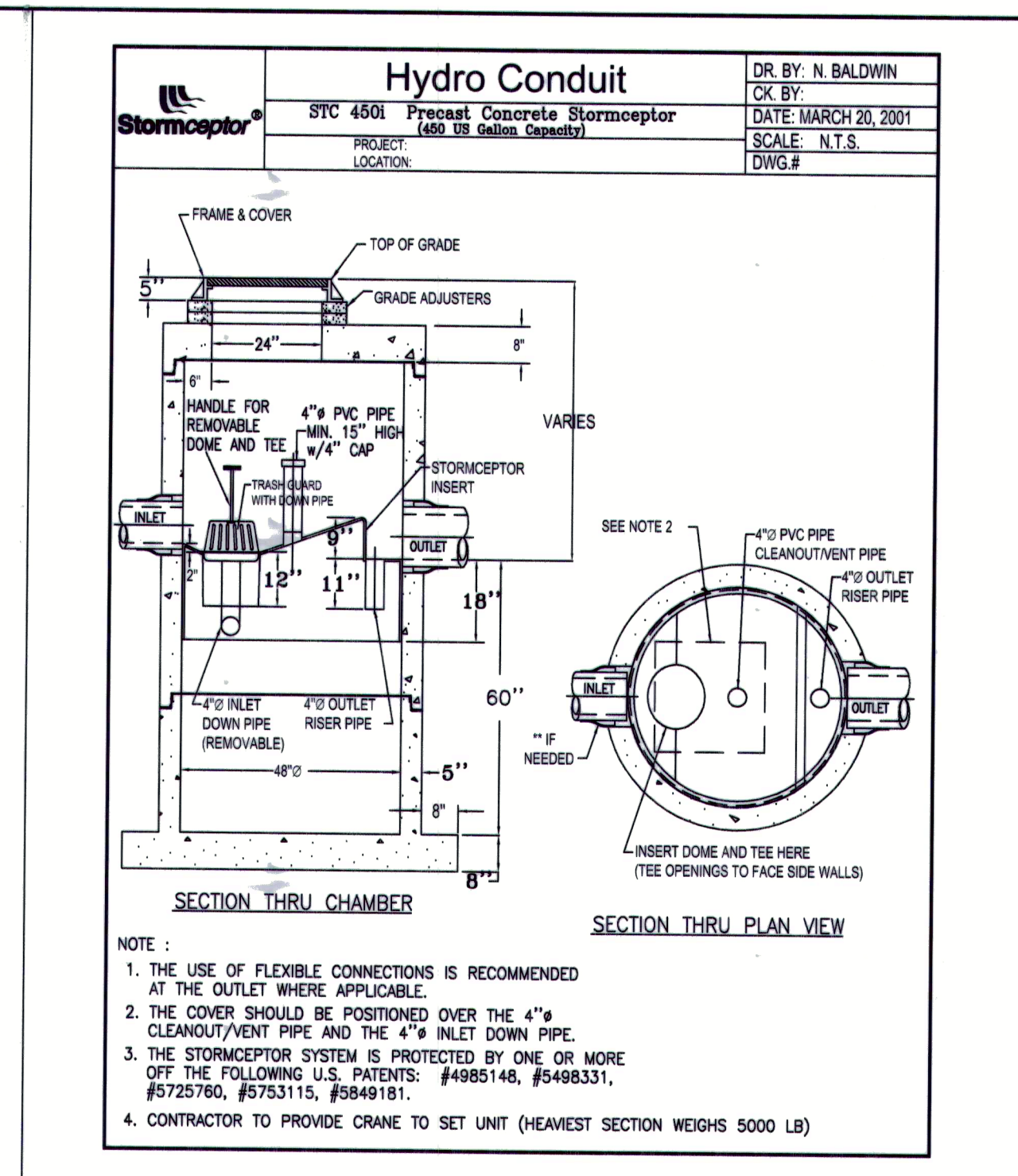
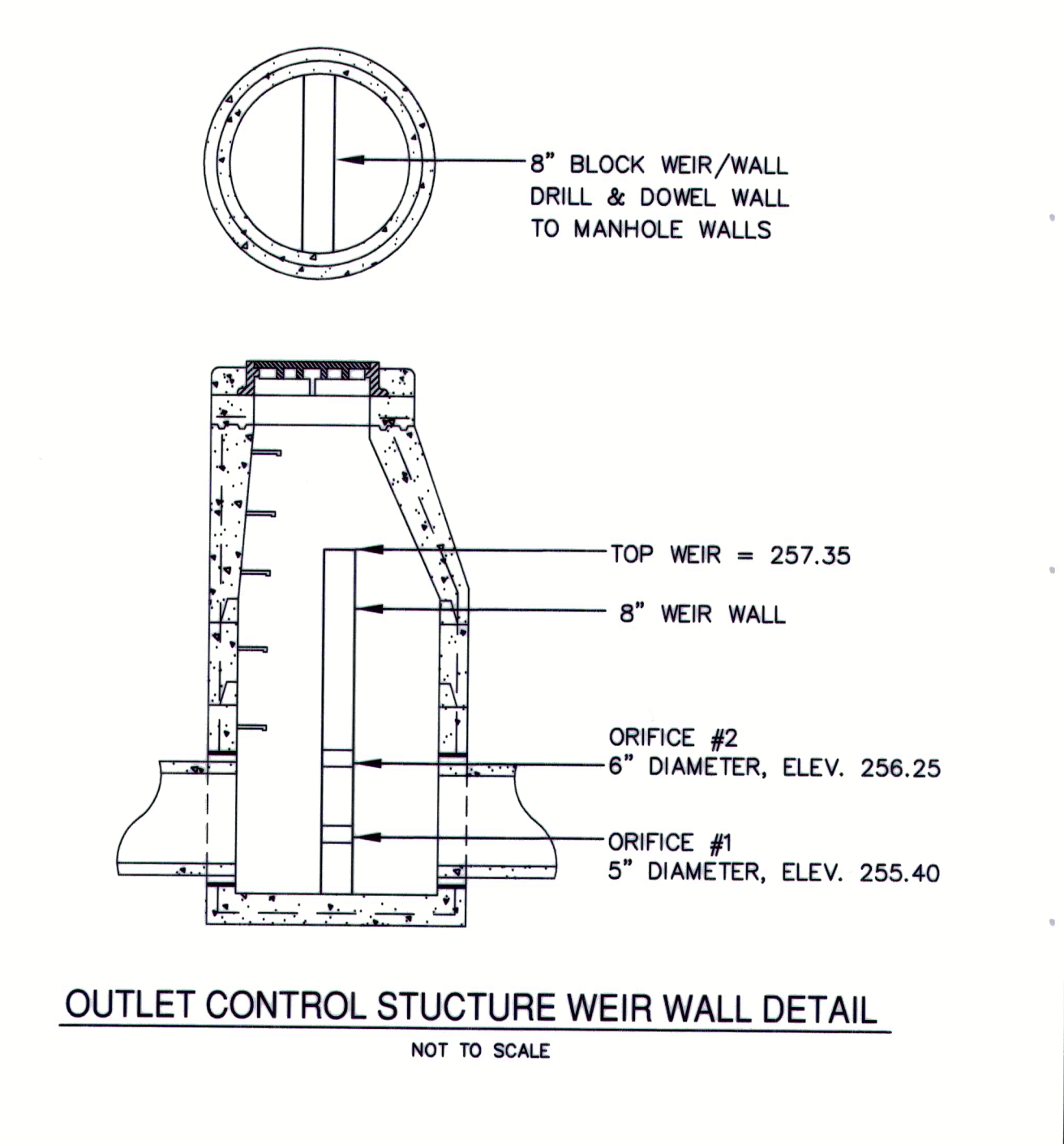
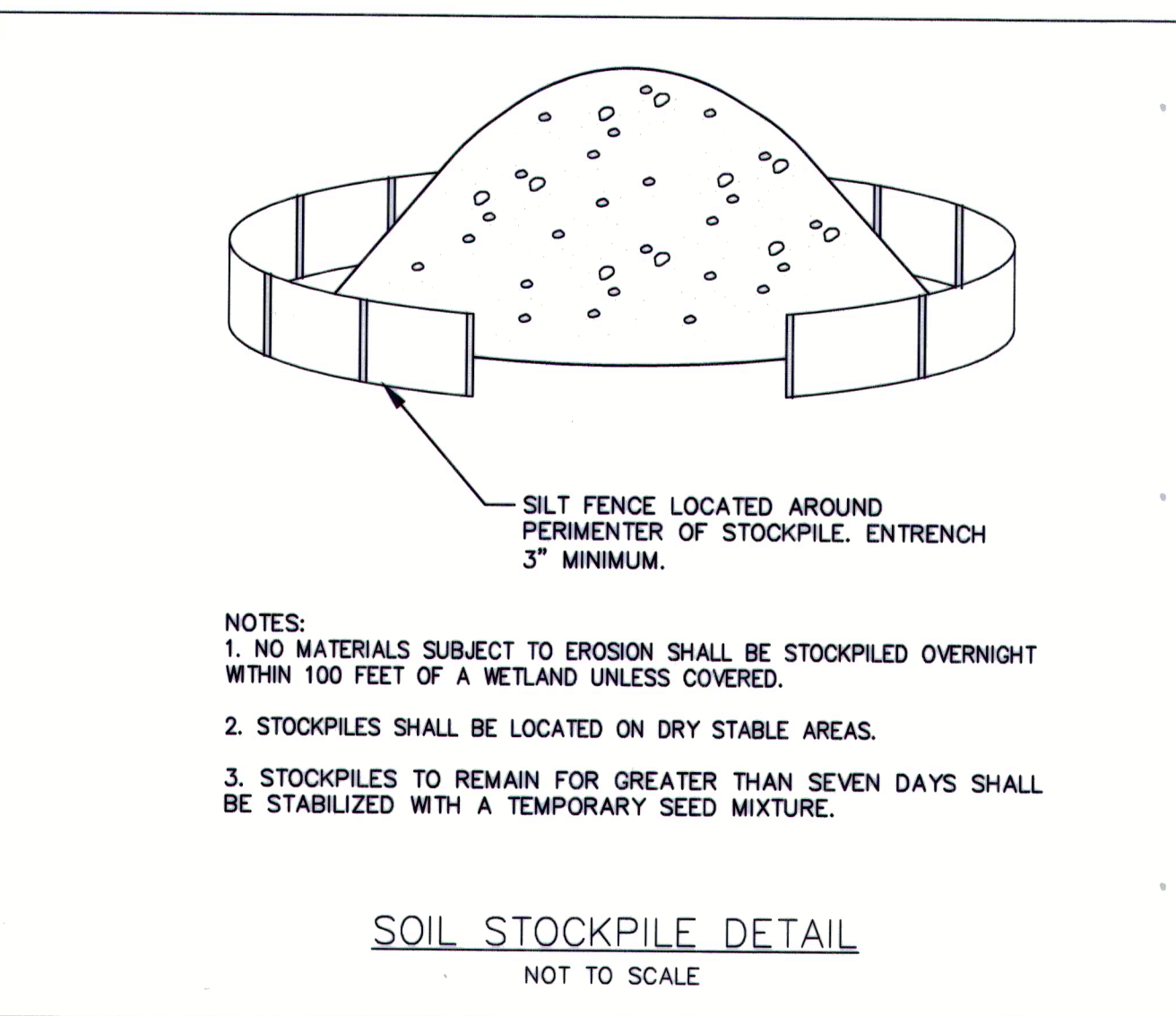
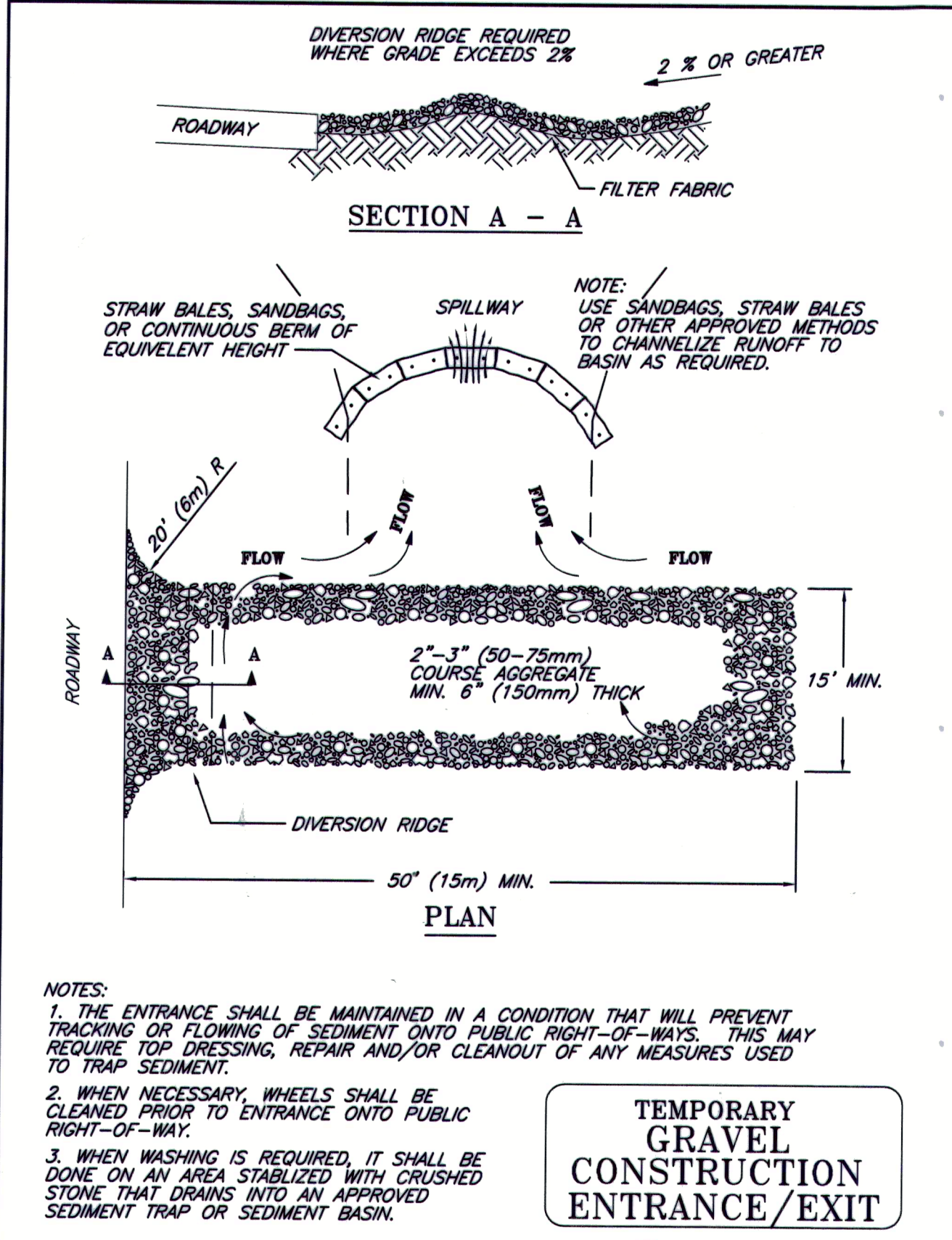
REVISD: DATE: 11/13/2020 DESCRIPTION: DRAWN BY: RM CHECK BY: VC DATE: NOVEMBER 8, 2019 SCALE: NONE SHEET 6 OF 8.

APPROVAL UNDER THE SUBDIVISION CONTROL LAW, IS REQUIRED.  
MEDWAY PLANNING AND ECONOMIC DEVELOPMENT BOARD

DATE: *August 11, 2020*  
*[Signature]*  
*[Signature]*  
*[Signature]*

THIS PLAN IS SUBJECT TO A COVENANT TO BE RECORDED HERewith.  
THIS PLAN IS SUBJECT TO A CERTIFICATE OF ACTION WHICH SHALL BE RECORDED WITH THE PLAN AT THE NORFOLK COUNTY REGISTRY OF DEEDS.





NOTE:

PRESENT AND FUTURE OWNERS ARE SUBJECT TO A DECLARATION OF PROTECTIVE COVENANTS & RESTRICTIONS AND PRIVATE ROADWAY AGREEMENT GOVERNING THE CHOATE TRAIL SUBDIVISION.

1. *[Signature]* CLERK OF THE TOWN OF MEDWAY RECEIVED AND RECORDED APPROVAL FROM THE PLANNING BOARD OF THIS PLAN ON *May 18, 2020* AND NO APPEAL WAS TAKEN FOR TWENTY (20) DAYS THEREAFTER.

APPROVAL UNDER THE SUBDIVISION CONTROL LAW, IS REQUIRED.

MEDWAY PLANNING AND ECONOMIC DEVELOPMENT BOARD

DATE: *August 11, 2020*

*[Signature]*

*[Signature]*

*[Signature]*

THIS PLAN IS SUBJECT TO A COVENANT TO BE RECORDED HEREWITH.

THIS PLAN IS SUBJECT TO A CERTIFICATE OF ACTION WHICH SHALL BE RECORDED WITH THE PLAN AT THE NORFOLK COUNTY REGISTRY OF DEEDS.

OWNER / APPLICANT:

THE RESIDENCES AT CHOATE TRAIL, LLC

17 GOLDFINCH LANE

NASHUA, NH 03062

CONNORSTONE ENGINEERING INC.

CIVIL ENGINEERS AND LAND SURVEYORS

10 SOUTHWEST CUTOFF, SUITE 7

NORTHBOROUGH, MASSACHUSETTS 01532

PHONE: 508-393-9727 FAX: 508-393-5242

DEFINITIVE PLAN

CONSTRUCTION DETAILS

OF

CHOATE TRAIL WAY

IN

MEDWAY, MASS

7/23/2020	CONDITIONS OF APPROVAL
4/16/2020	WET FLAG EDITS
3/19/2020	PEER REVIEW COMMENTS
3/9/2020	REVIEW COMMENTS
1/13/2020	REVIEW COMMENTS
1/3/2020	REVIEW COMMENTS
REVISED:	DESCRIPTION:
DRAWN BY: RM	CHECK BY: VC
DATE: NOVEMBER 8, 2019	
SCALE: NONE	SHEET 7 OF 8.





STORMWATER POLLUTION PREVENTION PLAN

FOR  
CHOATE TRAIL WAY  
HIGHLAND ST. MEDWAY, MA

THIS STORMWATER POLLUTION PREVENTION PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE MA DEPARTMENT OF ENVIRONMENTAL PROTECTION STORMWATER STANDARDS AND NPDES GENERAL CONSTRUCTION PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES. ALL WORK SHALL BE IN ACCORDANCE WITH THE ORDER OF CONDITIONS ISSUED BY THE LOCAL CONSERVATION COMMISSION.

1.1 PROJECT INFORMATION

PROJECT NAME AND LOCATION: 42 HIGHLAND STREET, MEDWAY, MA

ACCOMPANYING DOCUMENTS: PLANS TITLED "DEFINITIVE SUBDIVISION PLAN, CHOATE TRAIL WAY, MEDWAY, MA" PREPARED BY CONNORSTONE ENGINEERING, ARE TO BE CONSIDERED A PART OF THIS DOCUMENT.

NPDES TRACKING NUMBER: MA0000000000

LATITUDE/LONGITUDE: LAT: 42.15050 / LONG: 71.44110

PROJECT DESCRIPTION: FOUR (4) LOT RESIDENTIAL SUBDIVISION

ESTIMATED DATES: START:SUMMER 2020 / COMPLETION:SUMMER 2022

NAME OF RECEIVING WATERS: CHICKEN BROOK

ESTIMATED AREA OF DISTURBANCE: 3.25 ACRES

1.2 EXISTING CONDITIONS

THE EXISTING SITE CONSISTS OF A 5.88 ACRE PARCEL AT 42 HIGHLAND STREET AND IS SHOWN ON ASSESSOR'S MAP 37 AS PARCELS 64 AND 67. THE LOT IS CURRENTLY DEVELOPED WITH A SINGLE FAMILY HOUSE CLOSE TO HIGHLAND STREET WITH THE REAR AREAS BEING WOODED. THE CURRENT ZONING MAP SHOWS THE SITE IS WITHIN THE AR-1 DISTRICT, WHICH REQUIRES A MINIMUM LOT AREA OF 44,000 SQUARE FEET AND 180 FEET OF FRONTAGE. AN AREA OF BORDERING VEGETATED WETLANDS IS LOCATED NEAR THE CENTER OF THE SITE.

THE NATURAL RESOURCE CONSERVATION SERVICE HAS MAPPED THE SOILS WITHIN THE DEVELOPMENT AREA AS "CANTON FINE SANDY LOAM," WHICH ARE TYPICALLY WELL DRAINED SOILS WITH LITTLE DEVELOPMENT RESTRICTIONS. TEST PITS WERE PERFORMED BY CONNORSTONE ENGINEERING, INC. TO DETERMINE CONFIRM THE SOIL CLASSIFICATION AND DEPTH TO GROUNDWATER THROUGHOUT THE SITE. FOR BOTH SEPTIC SYSTEM DESIGN AND STORMWATER MANAGEMENT DESIGN, THE TEST PITS THROUGHOUT THE SITE WERE CONSISTENT SHOWING A LOAMY SAND MATERIAL WITH PERCOLATION RATES OF 2 TO 6 MINUTES PER INCH DEPTH TO GROUNDWATER VARIED WITH TOPOGRAPHY, BUT GENERALLY CORRELATED TO JUST ABOVE THE ONSITE WETLAND ELEVATION.

RUNOFF FROM THE PROJECT AREA FLOWS TO THE ON-SITE WETLAND AT THE CENTER OF THE SITE. THERE ARE CURRENTLY NO STORMWATER CONTROLS ON-SITE AND ALL FLOW IS VIA OVERLAND RUNOFF.

1.3 PROPOSED DEVELOPMENT / NATURE OF CONSTRUCTION ACTIVITIES

THE PROPOSED PROJECT PROVIDES FOR A FOUR LOT RESIDENTIAL SUBDIVISION. THIS INCLUDES CONSTRUCTION OF A 578 FOOT LONG CUL-DE-SAC ROADWAY TO PROVIDE THE REQUIRED ACCESS AND LOT FRONTAGE. ALL LOTS ARE GREATER THAN THE MINIMUM 44,000 SQ. FT. LOT AREA AND MINIMUM 180 FEET OF FRONTAGE. THE ROADWAY HAS BEEN DESIGNED TO MEET THE NEIGHBORHOOD STREET DESIGN STANDARDS. THE ROAD PROFILE HAS PROVIDED RELATIVELY FLAT GRADES WITH AN UP/DOWN SLOPE OF 2% THROUGH THE ROAD. EACH LOT WILL BE SERVED BY ON-SITE SEPTIC SYSTEMS AND TOWN WATER EXTENDED OFF HIGHLAND STREET.

THE PROPOSED STORMWATER MANAGEMENT SYSTEM HAS BEEN DESIGNED TO CONTROL BOTH THE PEAK RATE AND VOLUME OF RUNOFF TO MATCH THE PRE-EXISTING CONDITIONS THROUGH THE 100 YEAR STORM EVENT. RAINFALL INTENSITIES WERE BASED UPON THE MOST CURRENT NOAA ATLAS 14 DATA. THE STORMWATER MANAGEMENT SYSTEM INCLUDES A TYPICAL SURFACE COLLECTION SYSTEM, THEN ROUTED THROUGH A STRUCTURAL TREATMENT SYSTEM (STORMCATCHER) FOR PRETREATMENT, AND THEN ONTO A LARGE SUBSURFACE DRYWELL FOR FINAL TREATMENT AND INFILTRATION. THE DRYWELL CONSISTS OF PREFABRICATED CHAMBERS EMBEDDED IN A CRUSHED STONE BED LOCATED UNDER THE PROPOSED ROADWAY. THE LOCATION AND DESIGN WE DISCUSSED WITH THE BOARD DURING THE PRELIMINARY SUBDIVISION PHASE. INDIVIDUAL HOUSE ROOFS WILL ALSO BE COLLECTED AND INFILTRATED WITH DRYWELLS.

1.4 CONSTRUCTION SITE ESTIMATES	TOTAL PARCEL AREA	5.88 ACRES
	TOTAL LAND DISTURBANCE:	3.25 ACRES
	IMPERVIOUS AREA BEFORE CONSTRUCTION:	0.05 ACRES
	IMPERVIOUS AREA AFTER CONSTRUCTION:	1.0 ACRES

1.5 SENSITIVE AREAS / WETLAND RESOURCES

MAPPED WETLAND RESOURCE AREAS ARE LOCATED IN THE CENTRAL PORTION OF THE PROPERTY INCLUDING BORDERING VEGETATED WETLANDS. THE NATURAL HERITAGE AND ENDANGERED SPECIES PROGRAM (NHESP) HAS NOT IDENTIFIED ANY AREAS ON-SITE AS LYING WITHIN THE REPORTED PRIORITY OR ESTIMATED HABITAT AREAS, AND THE SITE IS NOT LOCATED WITHIN ANY FLOOD HAZARD ZONES BASED UPON THE TOWN OF MARLBOROUGH FLOOD INSURANCE RATE MAPS.

1.6 DISCHARGE INFORMATION

STORMWATER GENERALLY FLOWS TO THE CENTRAL WETLAND AREA. THE AREA FLOWS TO THE NORTH UNDER ADAMS ROAD AND ULTIMATELY TO CHICKEN BROOK LOCATED APPROXIMATELY 4,000 FEET FROM THE SITE. THIS WATER BODY IS NOT CLASSIFIED UNDER THE MA SURFACE WATER QUALITY STANDARDS 314 CMR 4. BASED UPON THE MASSACHUSETTS YEAR 2016 INTEGRATED LIST OF WATERS THIS SURFACE WATER IS AN IMPAIRED WATER DUE TO E. COLI, AND IS LISTED AS A CATEGORY 5 WATER, "WATERS REQUIRING A TMDL."

1.7 ENDANGERED SPECIES CERTIFICATION

THE PROPOSED PROJECT IS NOT LOCATED IN AN ESTIMATED OR PRIORITY HABITAT OF RARE WILDLIFE AS INDICATED ON THE 2017 ESTIMATED HABITAT MAP OF STATE-LISTED RARE WETLAND WILDLIFE PUBLISHED BY THE NATURAL HERITAGE AND ENDANGERED SPECIES PROGRAM (NHESP)

1.8 POTENTIAL SOURCES OF POLLUTION

POTENTIAL SOURCES OF SEDIMENT TO STORMWATER RUNOFF:

- CLEARING AND GRUBBING OPERATIONS
- GRADING AND SITE EXCAVATION OPERATIONS
- VEHICLE TRACKING
- TOPSOIL STRIPPING AND STOCKPILING
- LANDSCAPING OPERATIONS

POTENTIAL POLLUTANTS AND SOURCES, OTHER THAN SEDIMENT, TO STORMWATER RUNOFF:

- COMBINED STAGING AREA--SMALL FUELING AREAS, MINOR EQUIPMENT MAINTENANCE, SANITARY FACILITIES, AND HAZARDOUS WASTE STORAGE.
- MATERIALS STORAGE AREA--GENERAL BUILDING MATERIALS, SOLVENTS, ADHESIVES, PAINTING MATERIALS, PAINTS, AGGREGATES, TRASH, ETC.
- CONSTRUCTION ACTIVITY--PAVING, CURB/GUTTER INSTALLATION, CONCRETE POURING/MORTAR/STUCCO, BUILDING CONSTRUCTION, AND CONCRETE WASHOUT AREA.

1.9 REQUIREMENT TO POST A NOTICE OF YOUR PERMIT COVERAGE

THE OPERATOR MUST POST A SIGN OR OTHER NOTICE CONSPICUOUSLY AT A SAFE, PUBLICLY ACCESSIBLE LOCATION IN CLOSE PROXIMITY TO THE PROJECT SITE. AT A MINIMUM, THE NOTICE MUST INCLUDE THE NPDES PERMIT TRACKING NUMBER AND A CONTACT NAME AND PHONE NUMBER FOR OBTAINING ADDITIONAL PROJECT INFORMATION. THE NOTICE MUST BE LOCATED SO THAT IT IS VISIBLE FROM THE PUBLIC ROAD THAT IS NEAREST TO THE ACTIVE PART OF THE CONSTRUCTION SITE, AND IT MUST USE A FONT LARGE ENOUGH TO BE READILY VIEWED FROM A PUBLIC RIGHT-OF-WAY.

1.10 SUBCONTRACTORS: EACH SUBCONTRACTOR ENGAGED IN ACTIVITIES AT THE CONSTRUCTION SITE THAT COULD IMPACT STORMWATER MUST BE IDENTIFIED AND SIGN THE SUBCONTRACTOR CERTIFICATIONS/AGREEMENT (ATTACHED).

21. GENERAL CONSTRUCTION SEQUENCING OF MAJOR ACTIVITIES  
ESTIMATED SCHEDULE: 24 MONTHS

GENERAL SEQUENCING PLAN

1. INSTALL SEDIMENT CONTROL BARRIERS AND CONSTRUCTION ENTRANCE OFF HIGHLAND STREET.

2. REMOVE THE EXISTING STRUCTURES AND PAVEMENT AREAS.

3. INSTALL TEMPORARY SEDIMENT BASINS (IF REQUIRED)

4. CLEAR, STUMP & GRUB ROADWAY AREAS.

5. BEGIN CONSTRUCTION OF ROADWAY.

6. INSTALL ROADWAY CROSS CULVERT PRIOR TO COMPLETING PLACEMENT OF FILL NEAR STATION 2+50 TO 3+50 TO PREVENT PONDING ON ABUTTING LAND AND BLOCKAGE OF DRAINAGE FLOW PATHS.

7. INSTALL UTILITIES.

8. INSTALL DRAINAGE SYSTEM AND SUBSURFACE INFILTRATION STRUCTURE WORKING FROM 2+90 OUTWARD TOWARD HIGHLAND STREET. PLACE COMPACTED FILL OVER STRUCTURES UP TO SUBGRADE. ALL DRAINAGE INLETS SHALL REMAIN PLATED AND OFF-LINE TO PREVENT SEDIMENT FROM ENTERING THE SYSTEM.

9. INSTALL GRAVEL BASE AND BINDER COURSE PAVEMENT.

10. BEGIN LOT DEVELOPMENT.

11. INSTALL SIDEWALKS.

12. PERFORM FINAL LANDSCAPING AND STABILIZATION.

13. ADJUST STRUCTURES TO GRADE, INSTALL GRANITE EDDING, AND PLACE FINAL TOP COURSE PAVEMENT.

14. REMOVE THE REMAINING SILTATION DEVICES AS THE AREA BECOMES STABLE.

2.2 EROSION AND SEDIMENT CONTROLS

GENERAL CONDITIONS - 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.

TEMPORARY STABILIZATION - TOPSOIL STOCKPILES AND DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR AT LEAST 14 DAYS WILL BE STABILIZED WITH A TEMPORARY SEED AND MULCH NO LATER THAN 14 DAYS FROM THE LAST CONSTRUCTION ACTIVITY IN THAT AREA. THE TEMPORARY SEED SHALL BE EROSION CONTROL MIX. SEEDING SHALL BE NUTRIENT ENRICHED HYDROSEED WITH TACKIFIER AND CELLULOSE OR OTHER DEGRADABLE FIBERS CAPABLE OF RETAINING MOISTURE.

PERMANENT STABILIZATION - DISTURBED PORTION OF THE SITE WHERE CONSTRUCTION ACTIVITY CEASES SHALL BE STABILIZED WITH PERMANENT SEED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY. THE PERMANENT SEED MIX CONSISTS OF TALL FESCUE, AND ANNUAL RYE. PRIOR TO SEEDING, DRAINAGE AGROCLUTURAL LIMESTONE SHALL BE APPLIED. SEEDING SHALL BE NUTRIENT ENRICHED HYDROSEED WITH TACKIFIERS AND CELLULOSE OR OTHER DEGRADABLE FIBERS CAPABLE OF RETAINING MOISTURE.

EROSION BARRIER (PERIMETER CONTROLS) - EROSION BARRIERS SHALL CONSIST OF COMPOST FILTER SOCKS. PRIOR TO THE COMMENCEMENT OF WORK, FILTER SOCKS SHALL BE INSTALLED ALONG THE EDGE OF PROPOSED DEVELOPMENT, AND AS INDICATED ON THE PLANS. ADDITIONAL EROSION BARRIERS SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE OWNER, HIS REPRESENTATIVES, OR THE LOCAL AUTHORITY.

TRACK OUT CONTROLS / CONSTRUCTION ENTRANCE - A STABILIZED STONE APRON CONSTRUCTION ENTRANCE SHALL BE AT ALL CONSTRUCTION ENTRANCES TO HELP PREVENT VEHICLE TRACKING OF SEDIMENTS. ALL VEHICLES SHALL ENTER AND EXIT THE SITE VIA THE STABILIZED CONSTRUCTION ENTRANCE. THE CONTRACTOR SHALL INSPECT THE CONSTRUCTION ENTRANCE DAILY AND AFTER HEAVY USE. IF MUD AND SOIL CLOGS THE VOIDS IN THE CRUSHED STONE REDUCING THE EFFECTIVENESS, THE PAD SHALL BE TOP DRESSED WITH NEW, CLEAN STONE. IF THE PAD BECOMES COMPLETELY CLOGGED, REPLACEMENT OF THE ENTIRE PAD MAY BE NECESSARY. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TAHAULAIN.

TRACK OUT CONTROLS / STREET SWEEPING - STREET SWEEPING IN THE VICINITY OF THE PROJECT AREA SHALL BE PERFORMED AS NEEDED UNTIL THE PROJECT LIMITS HAVE BEEN STABILIZED. ALL SEDIMENT TRACKED OUTSIDE THE LIMIT OF WORK SHALL BE SWEEPED AT THE END OF EACH WORKING DAY.

INLET PROTECTION - ALL EXISTING AND PROPOSED DRAINAGE SYSTEM INLETS, WHICH MAY RECEIVE STORMWATER FLOW FROM DISTURBED AREAS, SHALL BE PROVIDED WITH INLET PROTECTION (CATCH BASIN INSERTS). THE CONTRACTOR SHALL MAINTAIN THESE DEVICES UNTIL ALL WORK IS COMPLETED AND ALL AREAS HAVE BEEN ADEQUATELY STABILIZED.

TEMPORARY SEDIMENT TRAPS- SEDIMENT TRAPS AND/OR BASINS SHALL BE CONSTRUCTED AS NECESSITATED BY FIELD CONDITIONS. THE MINIMUM VOLUME SHALL BE 1800 CUBIC FEET OF STORAGE FOR EACH ACRE OF DRAINAGE AREA. SEDIMENT TRAPS/BASINS SHOULD BE READILY ACCESSIBLE FOR MAINTENANCE AND SEDIMENT REMOVAL, AND SHOULD REMAIN IN OPERATION AND BE PROPERLY MAINTAINED UNTIL THE SITE AREA IS PERMANENTLY STABILIZED BY VEGETATION AND/OR WHEN PERMANENT STRUCTURES ARE IN PLACE. REMOVE BASIN AFTER DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED, INSPECTED, AND APPROVED. BEFORE REMOVING DAM, DRAIN WATER AND REMOVE SEDIMENT; PLACE WASTE MATERIAL IN DESIGNATED DISPOSAL AREAS. SMOOTH SITE TO BLEND WITH SURROUNDING AREA AND STABILIZE.

DUST CONTROL - 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.

SOIL STOCKPILES - SOIL STOCKPILES SHALL BE STABILIZED TO PREVENT EROSION ALONG WITH PERIMETER SEDIMENTATION CONTROLS. NO MATERIALS SUBJECT TO EROSION SHALL BE STOCKPILED OVERNIGHT WITHIN 100 FEET OF A WETLAND UNLESS COVERED.

DEWATERING OPERATIONS - DEWATERING OPERATIONS, IF REQUIRED, SHALL DISCHARGE ONTO STABILIZED AREAS. ALL DISCHARGE WATER IS TO PASS THROUGH SEDIMENTATION CONTROL DEVICES TO PREVENT IMPACTS UPON WATER BODIES, BORDERING VEGETATED WETLANDS, DRAINAGE SYSTEMS AND ABUTTING PROPERTIES. NO DISCHARGES FROM DEWATERING OPERATIONS SHALL BE DISCHARGED DIRECTLY TO THE DRAINAGE SYSTEM.

SNOW REMOVAL - SNOW SHALL BE PLOWED TO THE SHOULDER OF THE ROADWAY. ANY EXCESS OF THAT WHICH CAN BE STORED ON-SITE SHALL BE REMOVED. SNOW SHALL NOT BE PLOWED INTO THE CONSTRUCTED WETLAND OR INTO THE 20-FOOT BUFFER ZONE TO ANY WETLAND AREA. ALL CATCH BASINS SHALL BE UNCOVERED AND FUNCTIONAL IMMEDIATELY AFTER SNOW PLOWING. ANY SNOW PILES SHALL BE PLACED SO THAT IT WILL NOT INTERFERE WITH RUNOFF FLOW.

TOPSOIL - TOPSOIL SHALL BE STRIPPED AND STOCKPILED ON-SITE FOR REUSE, UNLESS OTHERWISE NOTED ON THE PLANS (PER STOCKPILE REQUIREMENTS). MATERIALS SHALL BE RE-USED ON-SITE TO THE MAXIMUM EXTENT PRACTICAL. ANY EXCESS SHALL BE PROPERLY EXPORTED OFF-SITE.

MINIMIZE SOIL COMPACTION - WITHIN THE LIMITS OF THE INFILTRATION GALLEY, THE USE OF HEAVY EQUIPMENT SHALL BE LIMITED TO THE MAXIMUM EXTENT PRACTICAL.

VEHICLE WASHING - VEHICLE AND EQUIPMENT WASHING, OTHER THAN HOSE DOWN WITH CLEAN WATER, SHALL NOT BE ALLOWED. ALL WASH DOWN WATER SHALL BE DIRECTED TO A SEDIMENT CONTROL DEVICE (NOT DIRECTLY TO ANY STORMWATER DRAINAGE SYSTEM OR WETLAND).

FERTILIZER DISCHARGE RESTRICTIONS.

- APPLY AT A RATE AND IN AMOUNTS CONSISTENT WITH MANUFACTURER'S SPECIFICATIONS.
- APPLY DURING THE GROWING SEASON, AND PREFERABLY TIMED TO COINCIDE AS CLOSELY AS POSSIBLE TO THE PERIOD OF MAXIMUM VEGETATION UPTAKE AND GROWTH.
- AVOID APPLYING BEFORE HEAVY RAINS THAT COULD CAUSE EXCESS NUTRIENTS TO BE DISCHARGED;
- NEVER APPLY TO FROZEN GROUND.
- NEVER APPLY TO STORMWATER CONVEYANCE CHANNELS WITH FLOWING WATER, AND
- FOLLOW ALL OTHER FEDERAL, STATE, TRIBAL, AND LOCAL REQUIREMENTS REGARDING FERTILIZER APPLICATION.

WASHING OF APPLICATORS AND CONTAINERS USED FOR PAINT, CONCRETE, OR OTHER MATERIALS - DIRECT ALL WASH WATER INTO A LEAK-PROOF CONTAINER OR LEAK-PROOF PIT. THE CONTAINER OR PIT MUST BE DESIGNED SO THAT NO OVERFLOWS CAN OCCUR DUE TO INADEQUATE SIZING OR PRECIPITATION HANDLE WASHOUT OR CLEANOUT WASTES AS FOLLOWS: DO NOT DUMP LIQUID WASTES IN STORM SEWERS; DISPOSE OF LIQUID WASTES IN ACCORDANCE WITH APPLICABLE REGULATIONS; AND, REMOVE AND DISPOSE OF HARDENED CONCRETE WASTE CONSISTENT WITH YOUR HANDLING OF OTHER CONSTRUCTION WASTES. LOCATE ANY WASHOUT OR CLEANOUT ACTIVITIES AS FAR AWAY AS POSSIBLE FROM SURFACE WATERS AND STORMWATER INLETS OR CONVEYANCES, AND, TO THE EXTENT PRACTICABLE, DESIGNATE AREAS TO BE USED FOR THESE ACTIVITIES AND CONDUCT SUCH ACTIVITIES ONLY IN THESE AREAS.

2.3 INSPECTION AND MAINTENANCE SCHEDULE

THE RESPONSIBLE PARTY 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 ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE REMOVED. THESE ARE THE INSPECTION AND MAINTENANCE PRACTICES THAT WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION.

SCHEDULE:

- ALL CONTROL MEASURES WILL BE INSPECTED AT LEAST ONCE EACH WEEK.
- ALL EROSION COMPONENTS SHALL BE INSPECTED WITHIN 24 HOURS FOLLOWING ANY PRECIPITATION EVENT OF 0.25 INCHES.
- DEPTH OF PRECIPITATION EVENTS SHALL BE BASED UPON NCDC REPORTING.
- MAINTENANCE DEVICES:
  - ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT OF ANY DEFICIENCIES.
  - BUILT-UP SEDIMENT SHALL BE REMOVED FROM THE SILT FENCE WHEN IT REACHES A DEPTH EQUAL TO ONE-THIRD THE HEIGHT OF THE FENCE.
  - THE SEDIMENT TRAPS SHALL BE INSPECTED FOR DEPTH OF SEDIMENT, AND BUILT-UP SEDIMENT WILL BE REMOVED WHEN IT REACHED 25 PERCENT OF THE DESIGN CAPACITY OR AT THE END OF THE JOB. CHECK EMBANKMENT FOR: SETTLEMENT, SEEPAGE, OR SLUMPING ALONG THE TIE OR AROUND PIPE. LOOK FOR SIGNS OF PIPING. REPAIR IMMEDIATELY. REMOVE TRASH AND OTHER DEBRIS FROM PRINCIPAL SPILLWAY, EMERGENCY SPILLWAY, AND POOL AREA. CLEAN OR REPLACE GRAVEL WHEN SEDIMENT POOL DOES NOT DRAIN PROPERLY.
  - ANY DIVERSION DIKES WILL BE INSPECTED FOR BREACHES AND PROMPTLY REPAIRED.
  - TEMPORARY AND PERMANENT SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS AND HEALTHY GROWTH.
  - CONTRACTOR TO MAINTAIN A PLAN OF EROSION CONTROL DEVICES ON SITE AT ALL TIMES TO REPAIR ANY BROKEN OR DAMAGED MATERIALS.
  - STREET SWEEPING SHALL BE PERFORMED THROUGHOUT CONSTRUCTION AS REQUIRED. ANY SEDIMENT TRACKED ONTO PUBLIC WAYS SHALL BE SWEEP BY THE END OF THE WORKING DAY.
  - CATCH BASINS AND STORMCATCHERS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION AND CLEANED WHENEVER SEDIMENT REACHES 12-INCHES IN CATCH BASINS AND 6-INCHES IN STORMCATCHERS.

THE SITE SUPERINTENDENT WILL SELECT THREE INDIVIDUALS WHO WILL BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE AND REPAIR ACTIVITIES, AND FILLING OUT THE INSPECTION AND MAINTENANCE REPORTS. PERSONNEL SELECTED FOR INSPECTION AND MAINTENANCE RESPONSIBILITIES SHALL BE A "QUALIFIED PERSONNEL" AS DEFINED IN SECTION 4.1 OF THE GCP. STAFF SHALL BE TRAINED IN ALL INSPECTION AND MAINTENANCE PRACTICES FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ON-SITE IN GOOD WORKING ORDER.

AN INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION. COPIES OF THE REPORTS SHALL BE MAINTAINED ON SITE. AT A MINIMUM, THE INSPECTION REPORT MUST INCLUDE:

- THE INSPECTION DATE;
- NAMES, TITLES, AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION;
- WEATHER INFORMATION FOR THE PERIOD SINCE THE LAST INSPECTION INCLUDING ESTIMATE OF THE BEGINNING AND DURATION OF EACH STORM EVENT, APPROXIMATE AMOUNT OF RAINFALL FOR EACH STORM EVENT (IN INCHES), AND WHETHER ANY DISCHARGES OCCURRED;
- LOCATION(S) OF DISCHARGES OF SEDIMENT OR OTHER POLLUTANTS FROM THE SITE;
- LOCATION(S) OF BMPs THAT NEED TO BE MAINTAINED;
- LOCATION(S) OF BMPs THAT FAILED TO OPERATE AS DESIGNED OR PROVED INADEQUATE FOR A PARTICULAR LOCATION;
- LOCATION(S) WHERE ADDITIONAL BMPs ARE NEEDED THAT DID NOT EXIST AT THE TIME OF INSPECTION; AND
- CORRECTIVE ACTION REQUIRED INCLUDING IMPLEMENTATION DATES.

THE INSPECTION REPORT MUST BE SIGNED IN ACCORDANCE WITH APPENDIX G, SECTION 11 OF THE GCP.

2.5 STAFF AND TRAINING REQUIREMENTS.

PRIOR TO THE COMMENCEMENT OF EARTH-DISTURBING ACTIVITIES OR POLLUTANT-GENERATING ACTIVITIES, WHICHEVER OCCURS FIRST, YOU MUST ENSURE THAT THE FOLLOWING PERSONNEL UNDERSTAND THE REQUIREMENTS OF THIS PERMIT AND THEIR SPECIFIC RESPONSIBILITIES WITH RESPECT TO THOSE REQUIREMENTS:

- PERSONNEL WHO ARE RESPONSIBLE FOR THE DESIGN, INSTALLATION, MAINTENANCE, AND/OR REPAIR OF STORMWATER CONTROLS (INCLUDING POLLUTION PREVENTION MEASURES);
- PERSONNEL RESPONSIBLE FOR THE APPLICATION AND STORAGE OF TREATMENT CHEMICALS (IF APPLICABLE);
- PERSONNEL WHO ARE RESPONSIBLE FOR CONDUCTING INSPECTIONS AS REQUIRED IN PART 4.1.1; AND
- PERSONNEL WHO ARE RESPONSIBLE FOR TAKING CORRECTIVE ACTIONS.

NOTES: (1) IF THE PERSON REQUIRING TRAINING IS A NEW EMPLOYEE, WHO STARTS AFTER YOU COMMENCE EARTH-DISTURBING OR POLLUTANT-GENERATING ACTIVITIES, YOU MUST ENSURE THAT THIS PERSON HAS THE PROPER UNDERSTANDING AS REQUIRED ABOVE PRIOR TO ASSUMING PARTICULAR RESPONSIBILITIES RELATED TO COMPLIANCE WITH THIS PERMIT. (2) FOR EMERGENCY-RELATED CONSTRUCTION ACTIVITIES, THE REQUIREMENT TO TRAIN PERSONNEL PRIOR TO COMMENCEMENT OF EARTH-DISTURBING ACTIVITIES DOES NOT APPLY, HOWEVER, SUCH PERSONNEL MUST HAVE THE REQUIRED TRAINING PRIOR TO NOI SUBMISSION.

THE OPERATOR IS RESPONSIBLE FOR ENSURING THAT ALL ACTIVITIES ON THE SITE COMPLY WITH THE REQUIREMENTS OF THE PERMIT. THE OPERATOR IS NOT REQUIRED TO PROVIDE OR DOCUMENT FORMAL TRAINING FOR SUBCONTRACTORS OR OTHER OUTSIDE SERVICE PROVIDERS, BUT YOU MUST ENSURE THAT SUCH PERSONNEL UNDERSTAND ANY REQUIREMENTS OF THE PERMIT THAT MAY BE AFFECTED BY THE WORK THEY ARE SUBCONTRACTED TO PERFORM. AT A MINIMUM, PERSONNEL MUST BE TRAINED TO UNDERSTAND THE FOLLOWING IF RELATED TO THE SCOPE OF THEIR JOB DUTIES (E.G., ONLY PERSONNEL RESPONSIBLE FOR CONDUCTING INSPECTIONS NEED TO UNDERSTAND HOW TO CONDUCT INSPECTIONS):

- THE LOCATION OF ALL STORMWATER CONTROLS ON THE SITE REQUIRED BY THIS PERMIT, AND HOW THEY ARE TO BE MAINTAINED;
- THE PROPER PROCEDURES TO FOLLOW WITH RESPECT TO THE PERMIT'S POLLUTION PREVENTION REQUIREMENTS; AND
- WHEN AND HOW TO CONDUCT INSPECTIONS, RECORD APPLICABLE FINDINGS, AND TAKE CORRECTIVE ACTIONS.

3.1 STORAGE, HANDLING, AND WASTE DISPOSAL

BUILDING PRODUCTS - SHALL BE COVERED OR STORED INSIDE TO PREVENT ANY DISCHARGE OF POLLUTANTS. COMPLY WITH ALL APPLICATION, DISPOSAL, AND REGISTRATION REQUIREMENTS.

PESTICIDES, HERBICIDES, INSECTICIDES AND FERTILIZERS - SHALL BE COVERED OR STORED INSIDE TO PREVENT ANY DISCHARGE OF POLLUTANTS. COMPLY WITH ALL APPLICATION, DISPOSAL, AND REGISTRATION REQUIREMENTS.

DIESEL FUEL, OIL, HYDRAULIC FLUIDS, OTHER PETROLEUM PRODUCTS, AND OTHER CHEMICALS- STORE CHEMICALS IN WATER-TIGHT CONTAINERS, AND PROVIDE EITHER (1) COVER (E.G., PLASTIC SHEETING OR TEMPORARY ROOFS) TO PREVENT THESE CONTAINERS FROM COMING INTO CONTACT WITH RAINWATER, OR (2) A SIMILARLY EFFECTIVE MEANS DESIGNED TO PREVENT THE DISCHARGE OF POLLUTANTS FROM THESE AREAS (E.G., SPILL KITS), OR PROVIDE SECONDARY CONTAINMENT (E.G., SPILL BERMS, DECKS, SPILL CONTAINMENT PALLETTS). CLEAN UP SPILLS IMMEDIATELY, USING DRY CLEAN-UP METHODS WHERE POSSIBLE, AND DISPOSE OF USED MATERIALS PROPERLY. DO NOT CLEAN SURFACES OR SPILLS BY HOSEING THE AREA DOWN. ELIMINATE THE SOURCE OF THE SPILL TO PREVENT A DISCHARGE OR A CONTINUATION OF AN ONGOING DISCHARGE.

HAZARDOUS WASTE- SEPARATE HAZARDOUS OR TOXIC WASTE FROM CONSTRUCTION AND DOMESTIC WASTE. STORE WASTE IN SEALED CONTAINERS, WHICH ARE CONSTRUCTED OF SUITABLE MATERIALS TO PREVENT LEAKAGE AND CORROSION, AND WHICH ARE LABELED IN ACCORDANCE WITH APPLICABLE RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) REQUIREMENTS AND ALL OTHER APPLICABLE FEDERAL, STATE, TRIBAL, OR LOCAL REQUIREMENTS; III. STORE ALL CONTAINERS THAT WILL BE STORED OUTSIDE WITHIN APPROPRIATELY SIZED SECONDARY CONTAINMENT (E.G., SPILL BERMS, DECKS, SPILL CONTAINMENT PALLETTS) TO PREVENT SPILLS FROM BEING DISCHARGED, OR PROVIDE A SIMILARLY EFFECTIVE MEANS DESIGNED TO PREVENT THE DISCHARGE OF POLLUTANTS FROM THESE AREAS (E.G., STORING CHEMICALS IN COVERED AREA OR HAVING A SPILL KIT AVAILABLE ON SITE);

DISPOSE OF HAZARDOUS OR TOXIC WASTE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED METHOD OF DISPOSAL AND IN COMPLIANCE WITH FEDERAL, STATE, TRIBAL, AND LOCAL REQUIREMENTS. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICE AND THE INDIVIDUAL WHO MANAGES THE DAY TO DAY SITE OPERATIONS, WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

CLEAN UP SPILLS IMMEDIATELY, USING DRY CLEAN-UP METHODS WHERE POSSIBLE, AND DISPOSE OF USED MATERIALS PROPERLY. DO NOT CLEAN SURFACES OR SPILLS BY HOSEING THE AREA DOWN. ELIMINATE THE SOURCE OF THE SPILL TO PREVENT A DISCHARGE OR A FURTHERANCE OF AN ONGOING DISCHARGE

SANITARY WASTE - ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONCE PER WEEK BY THE SANITARY PUMPING COMPANY, LICENSED BY THE COMMONWEALTH OF MASSACHUSETTS AND AS REQUIRED BY THE LOCAL REGULATION. POSITION UNITS IN A SECURE LOCATION WHERE THEY CANNOT BE TIPPED OVER.

WASTE MATERIALS - ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER RENTED FROM A LICENSED WASTE MANAGEMENT COMPANY. THE DUMPSTER WILL MEET ALL LOCAL AND STATE SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE INSPECTED AT LEAST TWICE PER MONTH OR MORE OFTEN IF NECESSARY, AND THE WASTE WILL BE HAULED TO THE WASTE MANAGEMENT COMPANY, ON WORK DAYS. CLEAN UP AND DISPOSE OF WASTE IN DESIGNATED AND DISPOSED WASTE IN IMMEDIATELY IF CONTAINERS OVERFLOW. NO CONSTRUCTION WASTE MATERIALS WILL BE BURIED ONSITE. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES OF VIOLATIONS OF THESE PRACTICES WILL BE POSTED IN THE OFFICE TRAILER. THE INDIVIDUAL MANAGING THE DAY-TO-DAY SITE OPERATIONS WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

3.2 BUILDING MATERIAL INVENTORY FOR POLLUTION PREVENTION PLAN

THE MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED TO BE PRESENT ONSITE DURING CONSTRUCTION:

- CONCRETE
- PETROLEUM BASED PRODUCTS INCLUDING ASPHALT, CONCRETE, EMULSIONS, FUEL(S), OIL, ETC.
- WOOD
- FERTILIZERS AND TACKIFIERS
- PAINTS (ENAMEL, LATEX AND OIL BASED STAINS)
- METAL STUDS AND PRODUCTS
- MASONRY BLOCK
- ROOFING SHINGLES
- GYPSUM AND PLASTER
- STONE PRODUCTS

CONSTRUCTION EQUIPMENT AND MAINTENANCE MATERIALS WILL BE STORED AT THE COMBINED STAGING AREA AND MATERIALS STORAGE AREAS. A WATERTIGHT CONTAINER WILL BE USED TO STORE HAND TOOLS, SMALL PARTS, AND OTHER CONSTRUCTION MATERIALS.

3.3 SPILL PREVENTION MATERIAL MANAGEMENT PRACTICES  
THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORMWATER RUNOFF.  
GOOD HOUSEKEEPING - THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT.

- AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCTS TO DO THE JOB.
- ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THIS APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.
- PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS AND WITH THE ORIGINAL MANUFACTURERS' LABEL.
- SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
- WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.
- THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS.
- HAZARDOUS PROCEDURES - IN ACCORDANCE WITH INDUSTRY STANDARDS AND APPLICABLE REGULATIONS

PRODUCT SPECIFIC PRACTICES - THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ONSITE:  
PETROLEUM PRODUCTS - TRANSPORT AND DELIVERY OF FUEL IN APPROVED CONTAINERS ONLY.  
FERTILIZERS - IN ACCORDANCE WITH LABELING  
PAINTS - IN ACCORDANCE WITH LABELING

SPILL CONTROL PRACTICES - ANY SPILLS OF HAZARDOUS MATERIALS SHALL BE CONTAINED AND CLEANED UP IMMEDIATELY. IF APPROPRIATE, THE MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) SHALL BE NOTIFIED. THERE SHALL, AT ALL TIMES WHEN WORK IS UNDERWAY ON-SITE, BE AN INDIVIDUAL PRESENT WHO IS TRAINED IN PROPER SPILL CONTROL PRACTICES.

IN THE EVENT THAT HAZARDOUS MATERIAL, GASOLINE OR OTHER PETROLEUM IS RELEASED, THE FOLLOWING PROCEDURE SHOULD BE FOLLOWED:

1. IMMEDIATELY CONTACT THE FOLLOWING AGENCIES:  
MEDWAY FIRE DEPARTMENT (508) 533-3211  
MASSDEP EMERGENCY RESPONSE (888) 304-1133
2. PROVIDE SUPPORT TO AGENCIES LISTED ABOVE, WHICH MAY INCLUDE CONTACTING AN OUTSIDE CONTRACTOR TO PROVIDE CLEAN-UP OR CONTACTING A LICENSED SITE PROFESSIONAL (LSP) TO LEAD THE CLEAN-UP.

WHERE A RELEASE CONTAINING A HAZARDOUS SUBSTANCE OR OIL IN AN AMOUNT EQUAL TO OR IN EXCESS OF A REPORTABLE QUANTITY ESTABLISHED UNDER EITHER 40 CFR PART 110, 40 CFR PART 117 OR 40 CFR PART 302, OCCURS DURING A 24-HOUR PERIOD:

0 PROVIDE NOTICE TO THE NATIONAL RESPONSE CENTER (NRC) (800-424-8802; IN THE WASHINGTON, DC, METROPOLITAN AREA CALL 202-267-2675) IN ACCORDANCE WITH THE REQUIREMENTS OF 40 CFR PART 110, 40 CFR PART 117 AND 40 CFR PART 302 AS SOON AS SITE STAFF HAVE KNOWLEDGE OF THE DISCHARGE; AND

0 WITHIN 7 CALENDAR DAYS OF KNOWLEDGE OF THE RELEASE, PROVIDE A DESCRIPTION OF THE RELEASE, THE CIRCUMSTANCES LEADING TO THE RELEASE, AND THE DATE OF THE RELEASE. YOU MUST ALSO IMPLEMENT MEASURES TO PREVENT THE REOCCURRENCE OF SUCH RELEASES AND TO RESPOND TO SUCH RELEASES.

VEHICLE FUELING AND MAINTENANCE - ALL MAJOR EQUIPMENT/VEHICLE FUELING AND MAINTENANCE WILL BE PERFORMED OFF-SITE. WHEN VEHICLE FUELING MUST OCCUR ON-SITE, THE FUELING ACTIVITY WILL OCCUR IN THE STAGING AREA OUTSIDE THE BUFFER ZONE OR RESOURCE AREA. ONLY MINOR EQUIPMENT MAINTENANCE WILL OCCUR ON-SITE. ALL EQUIPMENT FLUIDS GENERATED FROM MAINTENANCE ACTIVITIES WILL BE DISPOSED OF INTO DESIGNATED DRUMS STORED ON SPILL PALLETTS IN ACCORDANCE WITH PART 3.1 OF THE GCP. ABSORBENT, SPILL-CLEANUP MATERIALS AND SPILL KITS WILL BE AVAILABLE AT THE COMBINED STAGING AND MATERIALS STORAGE AREA. DRIP PANS WILL BE PLACED UNDER ALL EQUIPMENT RECEIVING MAINTENANCE AND VEHICLES AND EQUIPMENT PARKED OVERNIGHT.

3.4 NON-STORM WATER DISCHARGES

IT IS EXPECTED THAT THE FOLLOWING NON-STORM WATER DISCHARGE WILL OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD:

- PAVEMENT WASH WATERS (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIAL HAVE OCCURRED).
- DISCHARGES FROM FIRE FIGHTING ACTIVITIES
- HYDRANT AND WATER LINE FLUSHING
- LANDSCAPE IRRIGATION
- VEHICLE WASH
- WATER FOR DUST CONTROL
- FOUNDATION / FOOTING DRAINS
- CONSTRUCTION DEWATERING WATER

4.0 RECORD KEEPING / UPDATING OF DOCUMENTATION

THIS DOCUMENT IS INTENDED AS A LIVING DOCUMENT TO BE CONTINUOUSLY REVISED AND UPDATED BASED ON CHANGING SITE CONDITIONS AND THE PROGRESSION OF CONSTRUCTION. THE SWPPP SHALL BE CONTINUOUSLY REVISED TO INDICATE THE CONDITION AND LOCATION OF THE VARIOUS BEST MANAGEMENT PRACTICES