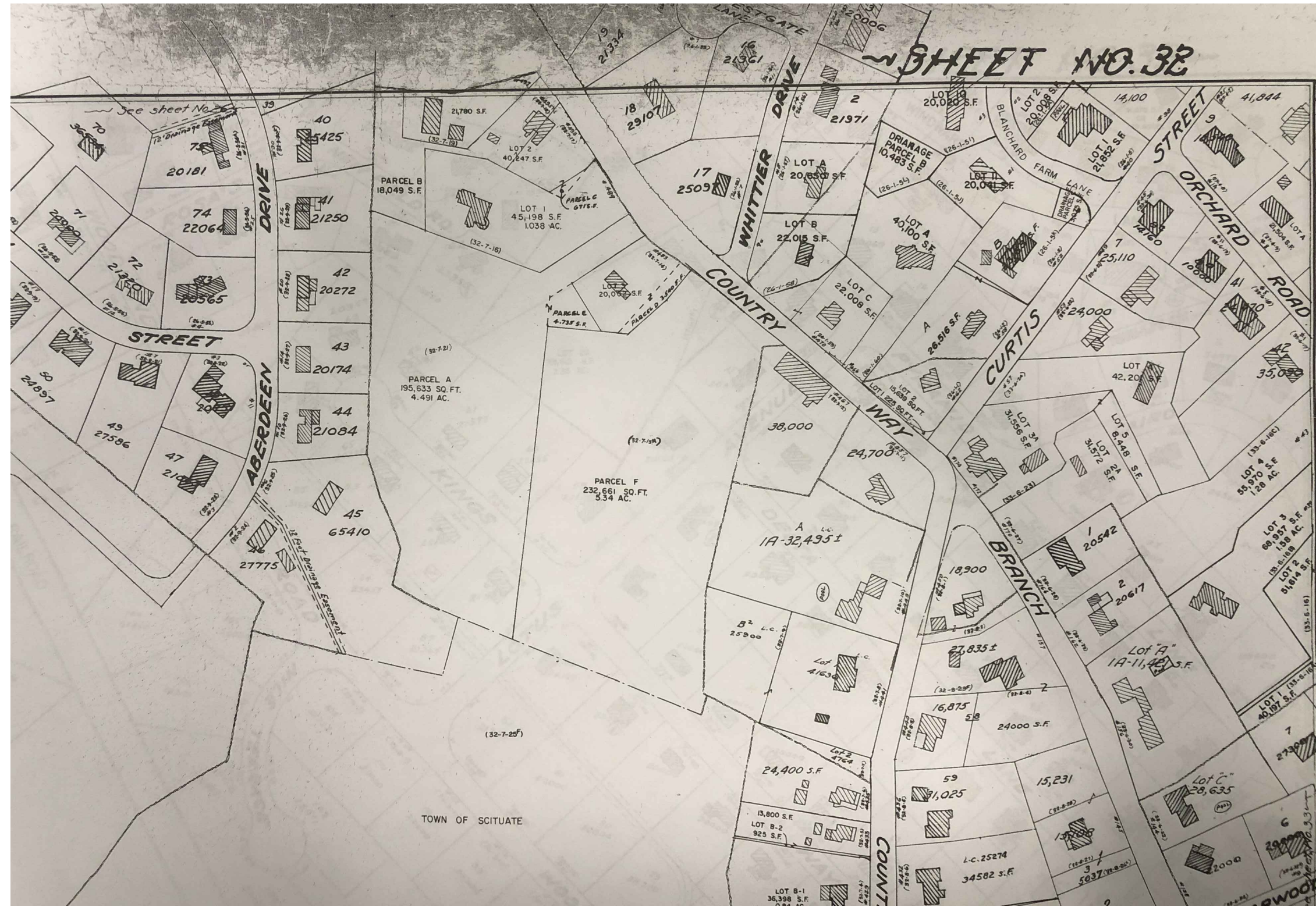


LOCATION MAP SCALE: 1"=2083'±

ZBA SPECIAL PERMIT REQUEST
470.9 DETERMINATION OF SUITABILITY
 IF ANY LAND IN THE FLOOD PLAIN AND WATERSHED PROTECTION DISTRICT IS PROVEN TO BE SATISFACTION OF THE BOARD OF APPEALS, AFTER REFERRAL AS REQUIRED UNDER SECTION 940, AS BEING IN FACT NOT SUBJECT TO FLOODING AND NOT UNSUITABLE BECAUSE OF DRAINAGE CONDITIONS FOR ANY USE OTHERWISE PERMITTED UNDER THE APPLICABLE PROVISIONS OF THE ZONING BYLAW, BUT NOT SPECIFICALLY LISTED UNDER SECTION 420, THE BOARD OF APPEALS MAY ISSUE A SPECIAL PERMIT FOR THE PROPOSED USE. SUCH USE SHALL BE CONSISTENT WITH ALL OTHER APPLICABLE LOCAL BYLAWS AND STATE REGULATIONS AND SHALL NOT INTERFERE WITH THE PURPOSES OF THE FLOOD PLAIN AND WATERSHED PROTECTION DISTRICT OR POSE A THREAT TO THE PUBLIC HEALTH, SAFETY OR WELFARE.

THE LOCUS IS NOT LOCATED IN AREA SUBJECT TO FLOODING AS THE LOCUS LIES IN A FEMA FLOOD ZONE X, AN AREA OF MINIMAL FLOOD HAZARD AS SHOWN ON FIRM PANEL 25023C0109K, EFFECTIVE DATE 11/4/16. THE SITE IS NOT UNSUITABLE BECAUSE OF DRAINAGE CONDITIONS AS DETAILED IN THE STORMWATER MANAGEMENT CALCULATIONS PREPARED BY GRADY CONSULTING, L.L.C.



SCITUATE ASSESSORS MAP OCTOBER 2019



ZONING DATA

DISTRICT:
 RESIDENCE R-2
 FLOOD PLAIN & WATERSHED PROTECTION DISTRICT
 WATER RESOURCE PROTECTION OVERLAY DISTRICT

USE: RESIDENTIAL

MINIMUM REQUIREMENTS:

LOT AREA	20,000 S.F.
LOT FRONTAGE	100 FT
LOT WIDTH	125 FT
FRONT YARD	30 FT
SIDE YARD	15 FT
REAR YARD	30 FT

50 FT FRONTAGE LOTS
 REQUIRE 40,000 S.F.

DETACHED ACCESSORY STRUCTURES & POOL SETBACKS

REAR YARD	8 FT
SIDE YARD	15 FT

WATER RESOURCE PROTECTION

LAND DISTURBANCE	15% OF LOT OR 2500 SF WHICHEVER IS GREATER
------------------	---

610.2.D.5 PROCEDURE FOR APPROVAL:
 ANY PERSON DESIRING A SPECIAL PERMIT PURSUANT TO THIS SUBSECTION SHALL SUBMIT AN APPLICATION IN WRITING TO THE PLANNING BOARD, ALONG WITH AN APPLICATION FEE AS REQUIRED IN THE MOST RECENT SCHEDULE OF FEES, IN SUCH FORM THAT COMPLIES WITH THE REQUIREMENTS OF SECTION 770 OF THIS BYLAW

610.2.D.2.B MINIMUM FRONTAGE

REQUIRED	PROVIDED
100 FT	218 FT

610.2.D.2.b MINIMUM TRACT SIZE RESIDENTIAL COMPOUND DEVELOPMENT

# OF LOTS	EXISTING	ALLOWED/REQUIRED	PROPOSED
	0 LOTS	5 LOTS	5 LOTS
TRACT SIZE	431,048 S.F.	4 x GROSS SIZE REQ'D NUMBER OF LOTS PROPOSED 4 X 5 X 20,000	400,000 S.F.

INDIVIDUAL LOT DIMENSIONAL REQUIREMENTS

PERIMETER LINE	50 FT
FRONT YARD	30 FT
SIDE YARD	15 FT
REAR YARD	30 FT
LOT SIZE	2 X 20,000 = 40,000 SF MIN

- NOTES:
- A PORTION OF THE LOCUS LIES WITHIN THE TOWN OF SCITUATE FLOOD PLAIN AND WATERSHED PROTECTION DISTRICT.
 - THE LOCUS LIES WITHIN THE TOWN OF SCITUATE WATERSHED PROTECTION OVERLAY DISTRICT.
 - THE LOCUS LIES IN A FEMA FLOOD ZONE X, AN AREA OF MINIMAL FLOOD HAZARD AS SHOWN ON FIRM PANEL 25023C0109K, EFFECTIVE DATE 11/4/16.
 - THE LOCUS IS NOT LOCATED IN A ZONE I, ZONE II, ZONE A, B, OR C OR ANY MASS DEP WATER SUPPLY PROTECTION AREA WATER.
 - THE WETLAND LINE WAS DELINEATED BY JOHN ZIMMER, SOUTH RIVER ENVIRONMENTAL SERVICES, NOVEMBER 11, 2018.
 - THERE ARE NO PEDESTRIAN WALKWAYS PROPOSED
 - THERE ARE NO KNOWN PUBLIC OR PRIVATE WELLS WITHIN 400 FT OF THE BOUNDARY OF THE BUILDING LOTS
 - THE LOTS SHOWN HEREON SHALL HAVE LEGALLY ENFORCEABLE RIGHTS OF ACCESS TO COUNTRY WAY.
 - THE LAND LIES WITHIN A TRACT APPROVED FOR SHARED COMMON FRONTAGE.
 - DEVELOPMENT OF THE LAND IS PERMITTED ONLY IN ACCORDANCE WITH THE LAND USES INDICATED THEREON.
 - THE TOWN WILL NOT BE REQUESTED OR REQUIRED TO ACCEPT OR MAINTAIN ANY MUNICIPAL SERVICES WHATSOEVER INCLUDING BUT NOT LIMITED TO THE PRIVATE ACCESS, DRAINAGE, OPEN SPACE OR ANY OTHER IMPROVEMENT WITHIN SAID TRACT.
 - ALL DEED RESTRICTIONS WITH RESPECT TO OWNERSHIP, USE AND MAINTENANCE OF PERMANENT OPEN SPACE SHALL BE REFERENCED ON, AND RECORDED WITH, THE PLAN.
 - THE DEED FOR EACH LOT SERVED BY A COMMON DRIVEWAY SHALL INCLUDE, A RESTRICTIVE COVENANT STATING THAT THE COMMON DRIVEWAY SHALL NEVER BE CONSIDERED FOR ACCEPTANCE AS A TOWN ROAD AND THAT ALL MAINTENANCE AND REPAIR OF THE COMMON DRIVEWAY AND DRAINAGE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNERS OF THE PROPERTIES SERVED BY THE COMMON DRIVEWAY.
 - SCITUATE ZBL 610.2.D.3 LIMITATION ON FURTHER DEVELOPMENT
 NO SUCH TRACT FOR WHICH A SPECIAL PERMIT HAS BEEN ISSUED UNDER THIS SECTION MAY BE FURTHER SUBDIVIDED AND A NOTATION TO THIS EFFECT SHALL BE SHOWN ON THE PLAN AND RECORDED.
 - ALL DRIVEWAYS TO BE A MINIMUM OF 12 FEET WIDE TO ACCOMMODATE FIRE APPARATUS PER REQUIREMENT FROM FIRE DEPARTMENT

RECORD OWNERS:
 ASSESSORS PARCEL 032-007-014
 BRADFORD A. MERRITT
 DEED BOOK 48004 PAGE 331
 PLAN BOOK 61 PAGE 57
 PLAN BOOK 63 PAGE 1178

PLAN REFERENCES

- PLAN BOOK 4 PAGE 715
- PLAN BOOK 6 PAGE 528
- PLAN BOOK 10 PAGE 680
- PLAN BOOK 11 PAGE 548
- BOOK 3577 PAGE 285
- BOOK 3650 PAGE 518
- PLAN BOOK 60 PAGE 566
- LAND COURT PLAN Nos. 14625A-C
- STATE HIGHWAY LAYOUT Nos. 489 AND 3338
- PLAN BOOK 60 PAGE 905
- PLAN BOOK 61 PAGE 57
- PLAN BOOK 63 PAGE 1178
- PLAN BOOK 63 PAGE 1185

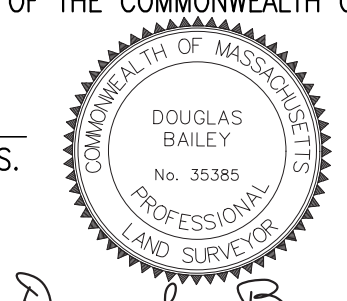
ASSESSORS PARCEL 032-007-013A
 BRADFORD A. MERRITT
 DEED BOOK 52184 PAGE 247



Scale 1" = 200'

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN PREPARED IN CONFORMANCE WITH THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS OF THE COMMONWEALTH OF MASSACHUSETTS.

DOUGLAS BAILEY, P.L.S. DATE _____



Douglas Bailey

FOR REGISTRY USE ONLY

SCITUATE PLANNING BOARD

DATE SUBMITTED: _____
 DATE APPROVED: _____

APPROVAL UNDER THE SUBDIVISION CONTROL LAW NOT REQUIRED
 APPROVED SUBJECT TO CONDITIONS SET FORTH IN SEPARATE SPECIAL PERMITS ISSUED UNDER SECTION 310.2D AND SECTION 720 OF THE SCITUATE ZONING BYLAW.

DATE _____

PLANNING BOARD ENDORSEMENT OF THIS PLAN INDICATES ONLY THAT THE PLAN IS NOT A SUBDIVISION UNDER M.G.L. Ch. 41, Sec. 81L, AND DOES NOT INDICATE THAT THE LOT IS BUILDABLE, OR THAT IT MEETS ZONING, HEALTH, CONSERVATION OR GENERAL BY-LAW REQUIREMENTS.

I, KATHLEEN A. CURRAN, CLERK OF THE TOWN OF SCITUATE, HEREBY CERTIFY THAT THE NOTICE OF APPROVAL OF THIS PLAN BY THE PLANNING BOARD HAS BEEN RECEIVED AND RECORDED AT THIS OFFICE AN NO NOTICE OF APPEAL WAS RECEIVED DURING THE TWENTY DAYS NEXT FOLLOWING SUCH RECEIPT AND RECODING OF SAID NOTICE.

DATE: _____ TOWN CLERK

SHEET INDEX

SH 1	ZONING
SH 2	ZONING/LOTING
SH 3	EASEMENTS PLAN
SH 4	EXISTING CONDITIONS
SH 5	TESTHOLES
SH 6	GRADING & EROSION CONTROL
SH 7	UTILITIES & DRAINAGE
SH 8	PLAN AND PROFILE
SH 9	SIGHT DISTANCE
SH 10	DETAILS DRAINAGE, INFILTRATION TRENCH, SUBSURFACE SYSTEM
SH 11	DETAILS WATER MAIN, HYD
SH 12	DETAILS DRAIN BASIN, CHECK DAM
SH 13	DETAILS EROSION CONTROL, PAVEMENT
SH 14	DETAILS MANHOLES, OUTLETS
SH 15	LANDSCAPE
SH 16	CONSTRUCTION PHASE I PLAN
SH 17	CONSTRUCTION PHASE II PLAN

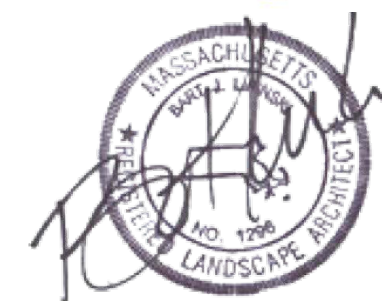
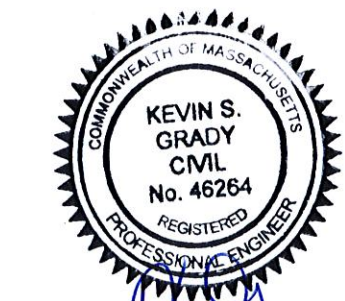
REVISIONS

NOVEMBER 26, 2019	PLANNING BOARD REVIEW ENGINEER COMMENTS
JANUARY 14, 2020	PLANNING BOARD MEETING COMMENTS
JANUARY 21, 2020	PLANNING BOARD PEER REVIEW COMMENTS
FEBRUARY 27, 2020	PEER REVIEW & FIRE DEPT. COMMENTS
MARCH 12, 2020	TOWN PLANNER COMMENTS, NOTE #14, SH1, LOT 2 AREA SH2
MARCH 30, 2020	PEER REVIEW COMMENTS, PLAN & SWPPP

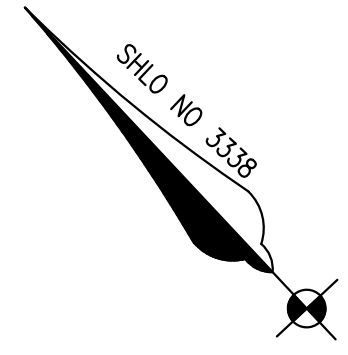
SPECIAL PERMIT PLAN
 RESIDENTIAL COMPOUND
 DEVELOPMENT SUBDIVISION
 0 & 483 COUNTRY WAY
 SCITUATE, MASSACHUSETTS

PREPARED FOR:
 BRADFORD A. MERRITT
 493 COUNTRY WAY
 SCITUATE, MA 02066

MAY 28, 2019
 SCALE: 1"=200'
 JOB No. 18-312



Grady Consulting, L.L.C.
 Civil Engineers, Land Surveyors &
 Landscape Architects
 71 Evergreen Street, Suite 1, Kingston, MA 02364
 Phone (781) 585-2300 Fax (781) 585-2378



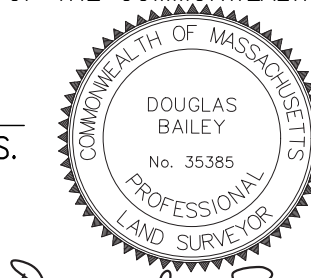
ASSESSORS PARCEL 026-001-035
#7 WESTGATE LANE
N/F MAUREEN M. BATES
DEED BOOK 5237 PAGE 294
T 18 - PLAN No. 337 OF 1955

N/F BRAD FORD A. MERRITT
DEED BOOK 3347 PAGE 337
LOT 17 - PLAN No. 337 OF 1955

PARCEL 026-001-058
N/F THOMAS and MARGARET QUINN
C8th (Ind)

PARCEL 026-001-059
N/F ARNOLD, JR. and ALICE BOWKER

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN PREPARED IN CONFORMANCE WITH THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS OF THE COMMONWEALTH OF MASSACHUSETTS.

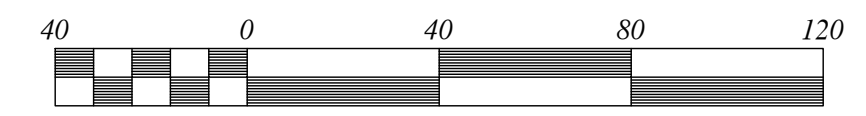


DOUGLAS BAILEY, P.L.S.

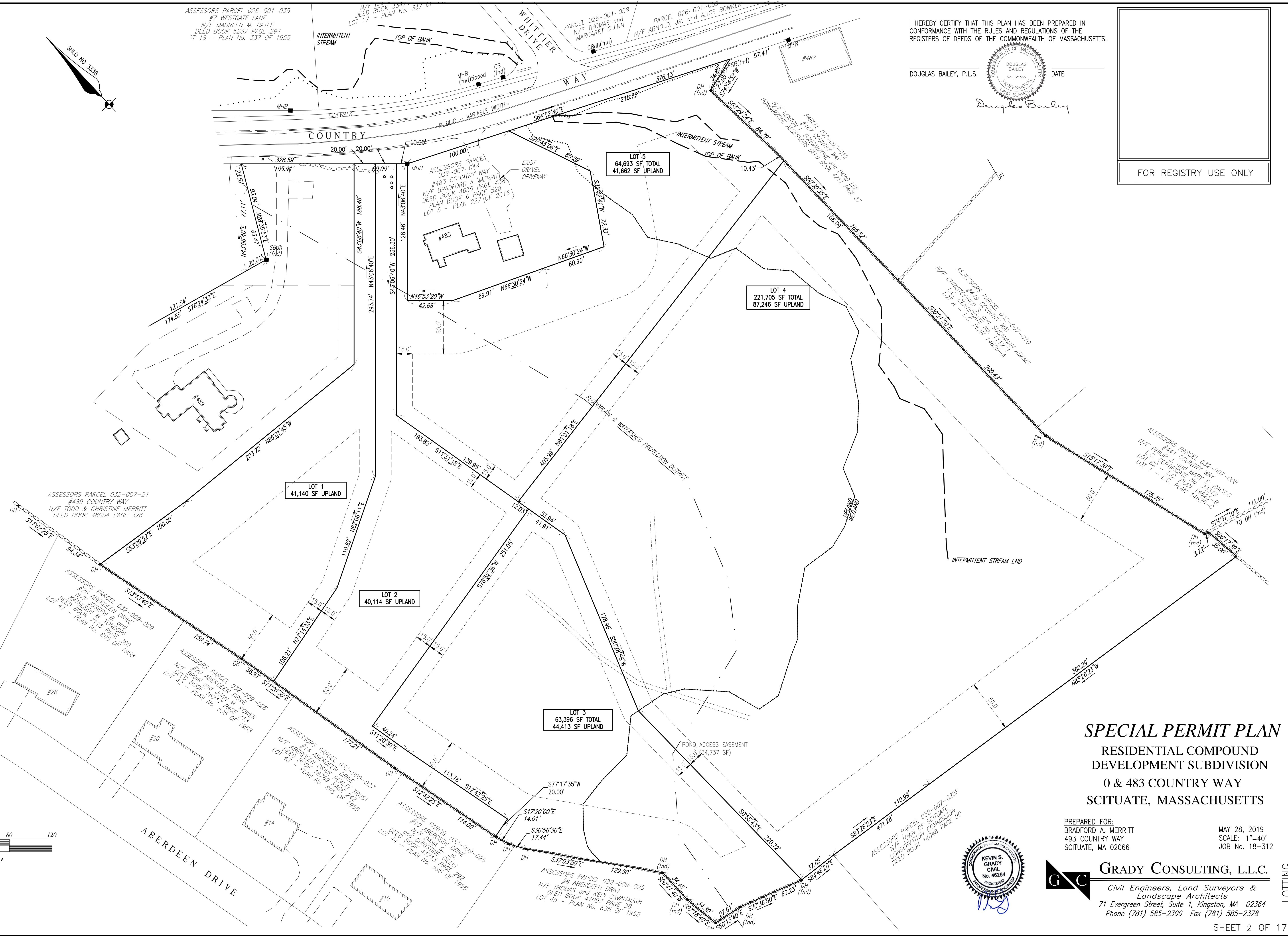
DATE

Douglas Bailey

FOR REGISTRY USE ONLY



Scale 1" = 40'



SPECIAL PERMIT PLAN
RESIDENTIAL COMPOUND
DEVELOPMENT SUBDIVISION
0 & 483 COUNTRY WAY
SCITUATE, MASSACHUSETTS

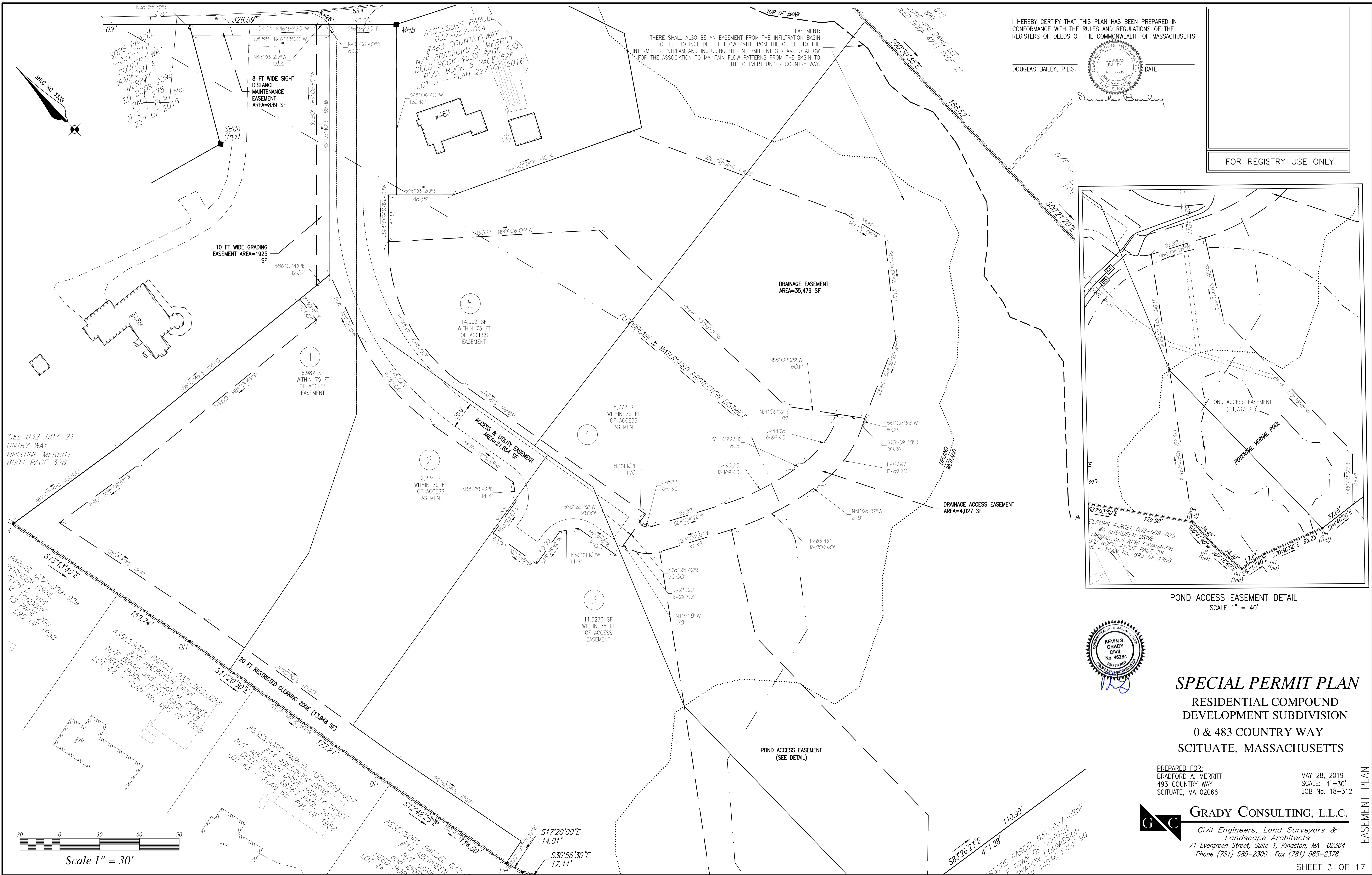
PREPARED FOR:
BRADFORD A. MERRITT
493 COUNTRY WAY
SCITUATE, MA 02066

MAY 28, 2019
SCALE: 1"=40'
JOB No. 18-312



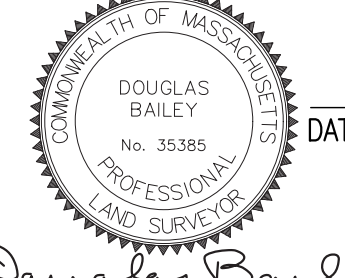
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Phone (781) 585-2300 Fax (781) 585-2378

LOTING



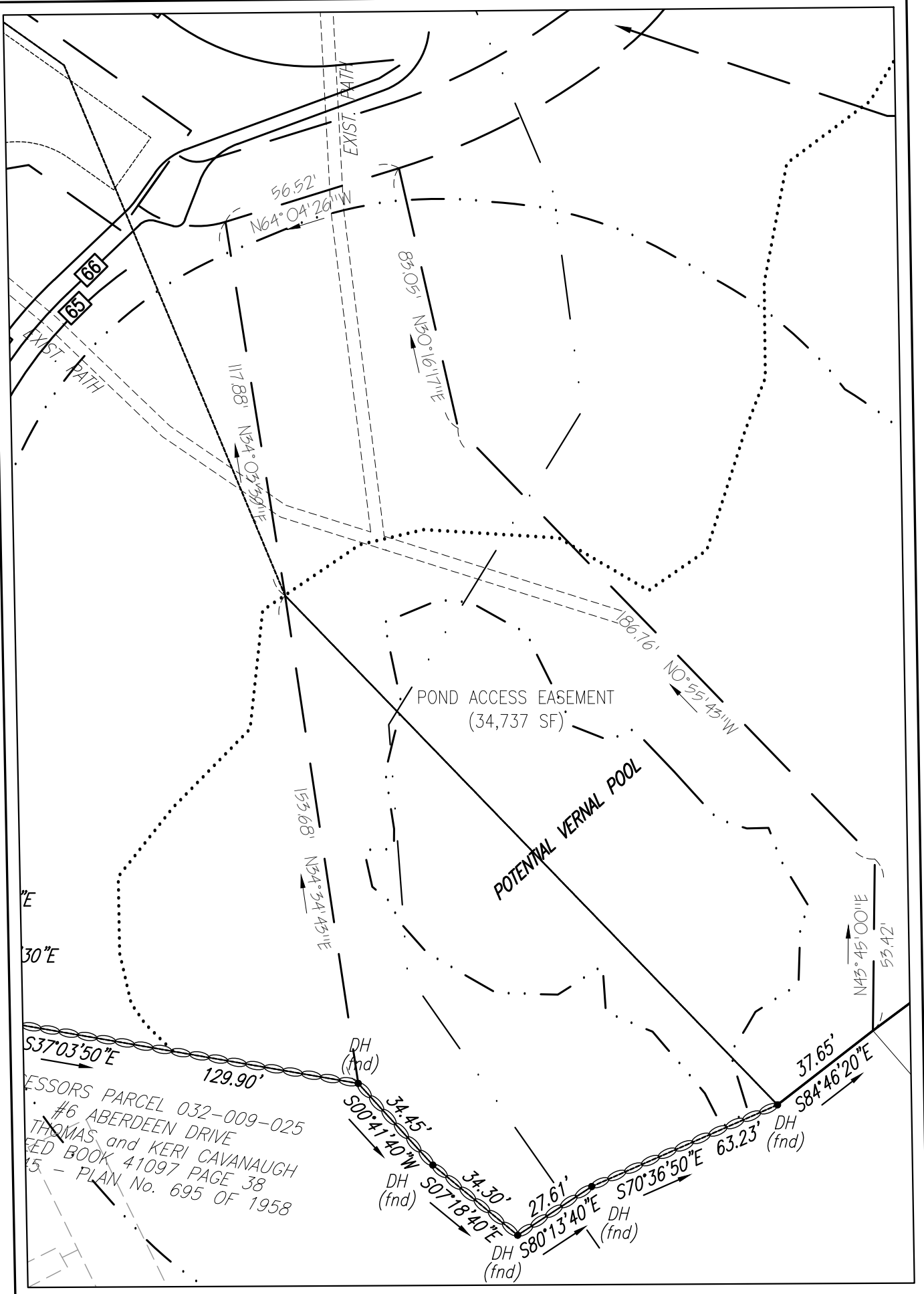
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DOUGLAS BAILEY, P.L.S. DATE



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POND ACCESS EASEMENT DETAIL
SCALE 1" = 40'



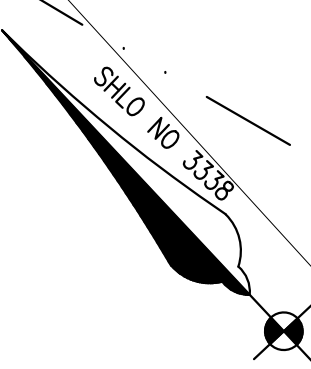
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SCITUATE, MA 02066

MAY 28, 2019
SCALE: 1"=30'
JOB No. 18-312

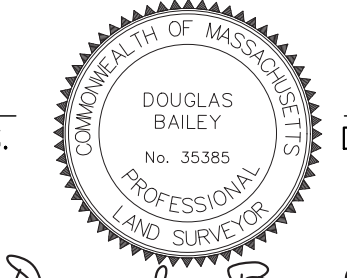
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EASEMENT PLAN



BENCHMARK
CATCH BASIN RM
ELEVATION = 60.09
(NAVD88 DATUM)

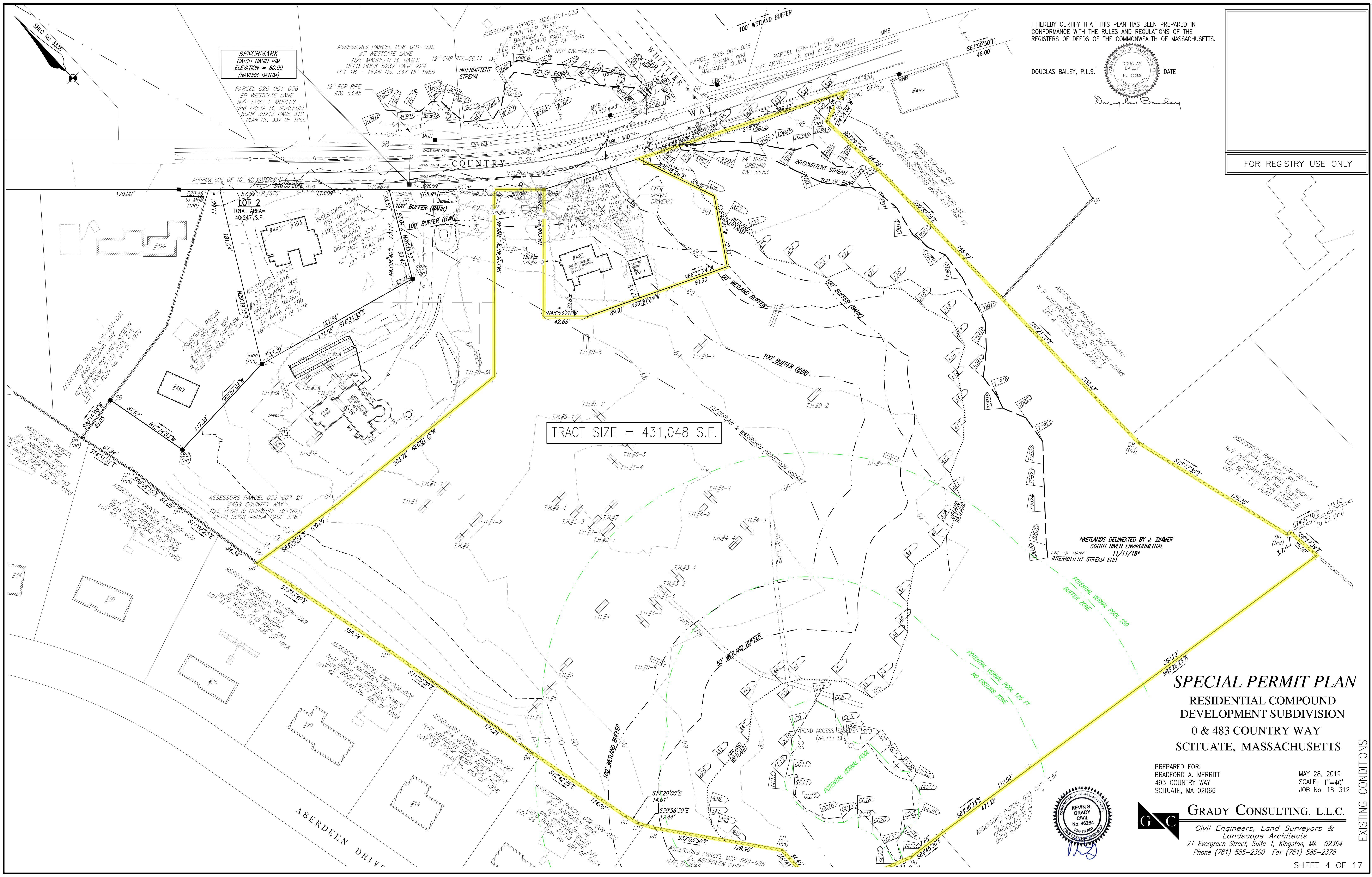
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DOUGLAS BAILEY, P.L.S. DATE

Douglas Bailey

FOR REGISTRY USE ONLY



TRACT SIZE = 431,048 S.F.

SPECIAL PERMIT PLAN
RESIDENTIAL COMPOUND
DEVELOPMENT SUBDIVISION
0 & 483 COUNTRY WAY
SCITUATE, MASSACHUSETTS

PREPARED FOR:
BRADFORD A. MERRITT
493 COUNTRY WAY
SCITUATE, MA 02066

MAY 28, 2019
SCALE: 1"=40'
JOB No. 18-312

GRADY CONSULTING, L.L.C.

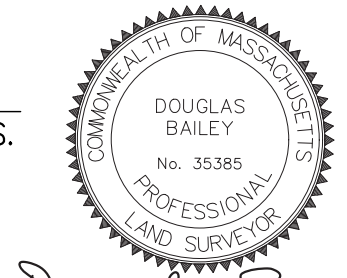
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71 Evergreen Street, Suite 1, Kingston, MA 02364
Phone (781) 585-2300 Fax (781) 585-2378



EXISTING CONDITIONS

SOIL LOGS

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN PREPARED IN CONFORMANCE WITH THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS OF THE COMMONWEALTH OF MASSACHUSETTS.



Douglas Bailey

DOUGLAS BAILEY, P.L.S. DATE

FOR REGISTRY USE ONLY

T.H.#1-1 EL. 67.28	T.H.#1-2 EL. 66.26	T.H.#2-1 EL. 63.64	T.H.#2-2 EL. 63.90	T.H.#2-3 EL. 64.29	T.H.#2-4 EL. 64.78	T.H.#3-1 EL. 64.72	T.H.#3-2 EL. 64.40	T.H.#3-3 EL. 64.32	T.H.#3-4 EL. 64.40
0'-12" A LOAM 66.28	0'-12" A LOAM 65.26	0'-16" A LOAM 62.31	0'-16" A LOAM 62.56	0'-12" A LOAM 63.29	0'-12" A LOAM 63.78	0'-14" A LOAM 63.55	0'-14" A LOAM 63.23	0'-10" A LOAM 63.48	0'-14" A LOAM 63.23
8'-24" B LOAMY SAND 65.28	8'-24" B LOAMY SAND 64.26	16'-24" B LOAMY SAND 61.64	16'-24" B LOAMY SAND 61.90	12'-24" B LOAMY SAND 62.29	12'-24" B LOAMY SAND 62.78	14'-28" B LOAMY SAND 62.38	14'-30" B LOAMY SAND 61.90	10'-24" B LOAMY SAND 62.32	14'-32" B LOAMY SAND 61.73
24'-76" C1 GRAVELLY COARSE SAND P.R.<2 MIN\IN 60.95	24'-76" C1 GRAVELLY COARSE SAND P.R.<2 MIN\IN 59.93	24'-120" C1 GRAVELLY COARSE SAND P.R.=2 MIN\IN	24'-120" C1 GRAVELLY COARSE SAND P.R.<2 MIN\IN	24'-120" C1 GRAVELLY COARSE SAND P.R.<2 MIN\IN	24'-120" C1 GRAVELLY COARSE SAND P.R.<2 MIN\IN	28'-120" C1 GRAVELLY COARSE SAND P.R.<2 MIN\IN	30'-72" C1 GRAVELLY COARSE SAND P.R.<2 MIN\IN	24'-48" C1 GRAVELLY COARSE SAND P.R.<2 MIN\IN	32'-48" C1 GRAVELLY COARSE SAND P.R.<2 MIN\IN
76'-140" C2 COARSE SAND 55.61	76'-142" C2 COARSE SAND 54.43	D=10'-0" STANDING WATER 9'-0" (EL=54.64)	D=10'-0" STANDING WATER 9'-0" (EL=54.90)	D=10'-0" STANDING WATER 9'-0" (EL=55.29)	D=10'-0" STANDING WATER 9'-0" (EL=55.78)	D=10'-0" STANDING WATER 9'-0" (EL=55.72)	D=10'-0" STANDING WATER 9'-0" (EL=54.40)	D=10'-0" STANDING WATER 9'-0" (EL=54.32)	D=10'-0" STANDING WATER 8'-10" (EL=55.56)

T.H.#D-1 EL. 62.61	T.H.#D-2 EL. 62.41	T.H.#1 EL. 66.26	T.H.#2 EL. 65.77
0'-10" A LOAM 61.78	0'-16" A LOAM 61.08	0'-8" A LOAM 65.59	0'-10" A LOAM 64.94
10'-30" Bw SANDY LOAM 60.11	16'-30" Bw SANDY LOAM 59.91	8'-26" Bw SANDY LOAM 64.09	10'-30" Bw SANDY LOAM 63.27
30'-50" C1 FINE SAND 58.44	30'-72" C1 FINE SAND 56.41	26'-62" C1 COARSE LOAMY SAND 61.09	30'-64" C1 COARSE LOAMY SAND 60.44
50'-82" C2 COARSE LOAMY SAND 55.78	72'-76" C2 FINE SANDY LOAM 56.08	D=10'-0" STANDING WATER NO WATER	D=10'-0" STANDING WATER NO WATER
82'-89" C3 FINE SAND 55.19	76'-86" C3 FINE SAND 55.24		
D=7'-5" MOTTLING 5'-4" (EL=57.28)	D=7'-2" MOTTLING 6'-0" (EL=56.41)		

T.H.#4-1 EL. 64.77	T.H.#4-2 EL. 64.85	T.H.#4-3 EL. 64.93	T.H.#4-4 EL. 64.64	T.H.#5-1 EL. 65.24	T.H.#5-2 EL. 66.05	T.H.#5-3 EL. 63.95	T.H.#5-4 EL. 63.21
0'-12" A LOAM 63.77	0'-16" A LOAM 63.52	0'-18" A LOAM 63.43	0'-12" A LOAM 63.64	0'-10" A LOAM 64.40	0'-18" A LOAM 64.55	0'-12" A LOAM 62.95	0'-18" A LOAM 61.71
12'-30" B LOAMY SAND 62.27	16'-26" B LOAMY SAND 62.68	18'-32" B LOAMY SAND 62.26	12'-26" B LOAMY SAND 62.47	10'-30" B LOAMY SAND 62.74	18'-32" B LOAMY SAND 63.38	12'-24" B LOAMY SAND 61.95	18'-26" B LOAMY SAND 61.04
30'-117" C1 COARSE SAND P.R.<2 MIN\IN 55.02	26'-130" C1 COARSE SAND P.R.<2 MIN\IN 54.01	32'-120" C1 COARSE SAND 54.93	26'-132" C1 COARSE SAND P.R.=2 MIN\IN 54.01	30'-120" C1 COARSE SAND P.R.<2 MIN\IN 55.24	32'-80" C1 COARSE SAND P.R.<2 MIN\IN 58.38	24'-52" C1 GRAVELLY COARSE SAND P.R.<2 MIN\IN 59.61	26'-112" C1 COARSE SAND P.R.<2 MIN\IN 53.88
D=9'-9" STANDING WATER 8'-0" (EL=56.77)	D=10'-10" MOTTLING 8'-4" (EL=56.52)	D=10'-10" MOTTLING 8'-4" (EL=56.60)	D=11'-0" MOTTLING 6'-8" (EL=58.26)	D=10'-0" MOTTLING 8'-6" (EL=56.43)	D=10'-0" MOTTLING 8'-4" (EL=57.72)	D=9'-10" MOTTLING 9'-2" (EL=54.78)	D=9'-4" STANDING WATER 7'-10" (EL=55.37)

T.H.#3 EL. 65.00	T.H.#4 EL. 69.10	T.H.#5 EL. 66.74	T.H.#6 EL. 66.21	T.H.#7 EL. 62.70
0'-8" A LOAM 64.33	0'-10" A LOAM 68.27	0'-9" A LOAM 65.99	0'-10" A LOAM 65.37	0'-20" A LOAM 61.03
8'-24" Bw SANDY LOAM 63.00	10'-22" Bw SANDY LOAM 67.27	9'-24" Bw SANDY LOAM 64.74	10'-22" Bw SANDY LOAM 64.37	20'-38" Bw SANDY LOAM 59.53
24'-42" C1 COARSE LOAMY SAND P.R.<2 MIN\IN 61.50	30'-102" C1 COARSE LOAMY SAND P.R.=4 MIN\IN 60.60	24'-100" C1 COARSE LOAMY SAND P.R.<2 MIN\IN 58.41	30'-102" C1 COARSE LOAMY SAND P.R.<2 MIN\IN 57.71	38'-108" C1 COARSE LOAMY SAND P.R.<2 MIN\IN 53.70
42'-80" C2 MEDIUM SAND 58.33	D=8'-6" STANDING WATER 7'-9" (EL=61.26)	100'-120" C2 FINE SAND 56.74	D=7'-2" STANDING WATER 7'-9" (EL=60.21)	108'-120" C2 COARSE SAND 52.70
80'-82" C2 FINE SANDY LOAM (REMOVE) 58.33		D=10'-0" STANDING WATER 6'-0" (EL=60.74)		D=10'-0" MOTTLING 6'-8" (EL=56.03)
82'-126" C2 FINE SAND 54.50				
D=10'-6" WEeping 6'-8" (EL=58.33)				

T.H.#D-1A EL. 62.10	T.H.#D-2A EL. 64.30	T.H.#D-3A EL. 65.90
0'-14" A LOAM 60.93	0'-16" A LOAM 62.97	0'-12" A LOAM 64.90
14'-40" B LOAMY SAND 50.76	16'-32" B LOAMY SAND 61.63	12'-32" B LOAMY SAND 63.23
40'-90" C COARSE SAND 54.60	32'-94" C COARSE SAND 56.40	32'-96" C COARSE SAND 57.90
D=7'-6" NO WATER (EL=54.60)	D=7'-9" NO WATER (EL=56.40)	D=8'-0" NO WATER (EL=57.90)

(TESTHOLES D-1A THROUGH 3A AND TH #6) BY KEVIN GRADY, GRADY CONSULTING, L.L.C., WITNESSED BY CLINT WATSON JULY 8, 2014.

SOILS TESTING BY KEVIN GRADY, GRADY CONSULTING, L.L.C., WITNESSED BY PETER FALABELLA, FEBRUARY 24, 2020.

SOILS TESTING BY KEVIN GRADY, GRADY CONSULTING, L.L.C., WITNESSED BY GARY RUSSELL, APRIL 5, 2019. (1-7 & D-1, D-2)

T.H.#1A EL. 65.64	T.H.#2A EL. 65.10	T.H.#3A EL. 65.77	T.H.#4A EL. 64.84	T.H.#5A EL. 64.72	T.H.#6A EL. 66.52
0'-12" A LOAM 64.64	0'-8" A LOAM 64.43	0'-8" A LOAM 65.10	0'-8" A LOAM 64.17	0'-8" A LOAM 64.05	0'-10" A LOAM 65.68
12'-24" B LOAMY SAND 63.64	8'-24" B LOAMY SAND 63.10	8'-20" B LOAMY SAND 64.10	8'-18" B LOAMY SAND 63.34	8'-20" B LOAMY SAND 63.05	10'-26" B LOAMY SAND 64.35
24'-48" C1 MEDIUM SAND 61.64	24'-150" C1 COARSE SAND P.R.=7 MIN\IN	20'-120" C COARSE SAND 64.10	18'-120" C COARSE SAND P.R.<2 MIN\IN	20'-120" C COARSE SAND P.R.<2 MIN\IN	26'-124" C COARSE SAND P.R.<2 MIN\IN
48'-56" C2 LOAMY SAND 60.97					
56'-120" C2 COARSE SAND 55.64	D=12'-6" NO WATER (EL=52.60)	D=10'-0" NO WATER (EL=55.77)	D=10'-0" NO WATER (EL=54.84)	D=10'-0" NO WATER (EL=54.72)	D=10'-4" NO WATER (EL=56.18)

SOILS TESTING (TESTHOLES 1-5) BY KEVIN GRADY, GRADY CONSULTING, L.L.C., WITNESSED BY CLINT WATSON DECEMBER 19, 2013.

T.H.#D-4 EL. 61.13	T.H.#D-5 EL. 64.45	T.H.#D-6 EL. 66.83	T.H.#D-7 EL. 60.35	T.H.#D-8 EL. 62.45	T.H.#D-9 EL. 64.09
0'-4" A SANDY LOAM 60.79	0'-4" A SANDY LOAM 64.12	0'-6" A SANDY LOAM 66.33	0'-6" A SANDY LOAM 59.85	0'-6" A SANDY LOAM 61.95	0'-6" A SANDY LOAM 63.59
4'-22" B SANDY LOAM 59.29	4'-24" B SANDY LOAM 62.45	4'-22" B SANDY LOAM 65.00	6'-22" B SANDY LOAM 58.52	6'-24" B SANDY LOAM 60.45	6'-22" B SANDY LOAM 62.26
22'-100" C MEDIUM SAND 52.80	24'-116" C MEDIUM SAND 54.78	22'-120" C MEDIUM SAND 56.83	22'-44" C1 MEDIUM SAND 56.68	24'-44" C1 LOAMY SAND 58.78	22'-44" C1 MEDIUM SAND 60.42
D=8'-4" MOTTLING 8'-0" (EL=53.13)	D=9'-8" MOTTLING 9'-0" (EL=55.45)	D=10'-0" NO WATER	44'-62" C2 COARSE SAND 55.18	44'-58" C2 FINE SAND 57.61	44'-96" C2 FINE SAND 63.42
WEeping 7'-9" (EL=53.38)			D=5'-2" MOTTLING 2'-6" (EL=57.85)	58'-68" C2 COARSE SAND 56.78	D=5'-2" MOTTLING 7'-10" (EL=56.25)

(TEST HOLES D-4 THROUGH D-9) BY KEVIN GRADY, GRADY CONSULTING, L.L.C., WITNESSED BY RALPH COLE JANUARY 17, 2020.



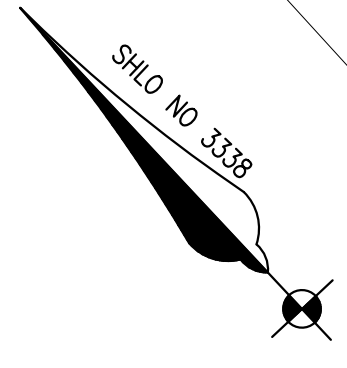
SPECIAL PERMIT PLAN
RESIDENTIAL COMPOUND
DEVELOPMENT SUBDIVISION
0 & 483 COUNTRY WAY
SCITUATE, MASSACHUSETTS

PREPARED FOR:
BRADFORD A. MERRITT
493 COUNTRY WAY
SCITUATE, MA 02066

MAY 28, 2019
SCALE: 1"=40'
JOB No. 18-312

GRADY CONSULTING, L.L.C.
Civil Engineers, Land Surveyors & Landscape Architects
71 Evergreen Street, Suite 1, Kingston, MA 02364
Phone (781) 585-2300 Fax (781) 585-2378

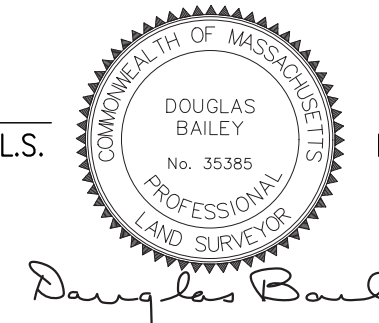
TESTHOLE PLAN



BENCHMARK
CATCH BASIN RIM
ELEVATION = 60.09
(NAVD88 DATUM)

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN PREPARED IN CONFORMANCE WITH THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS OF THE COMMONWEALTH OF MASSACHUSETTS.

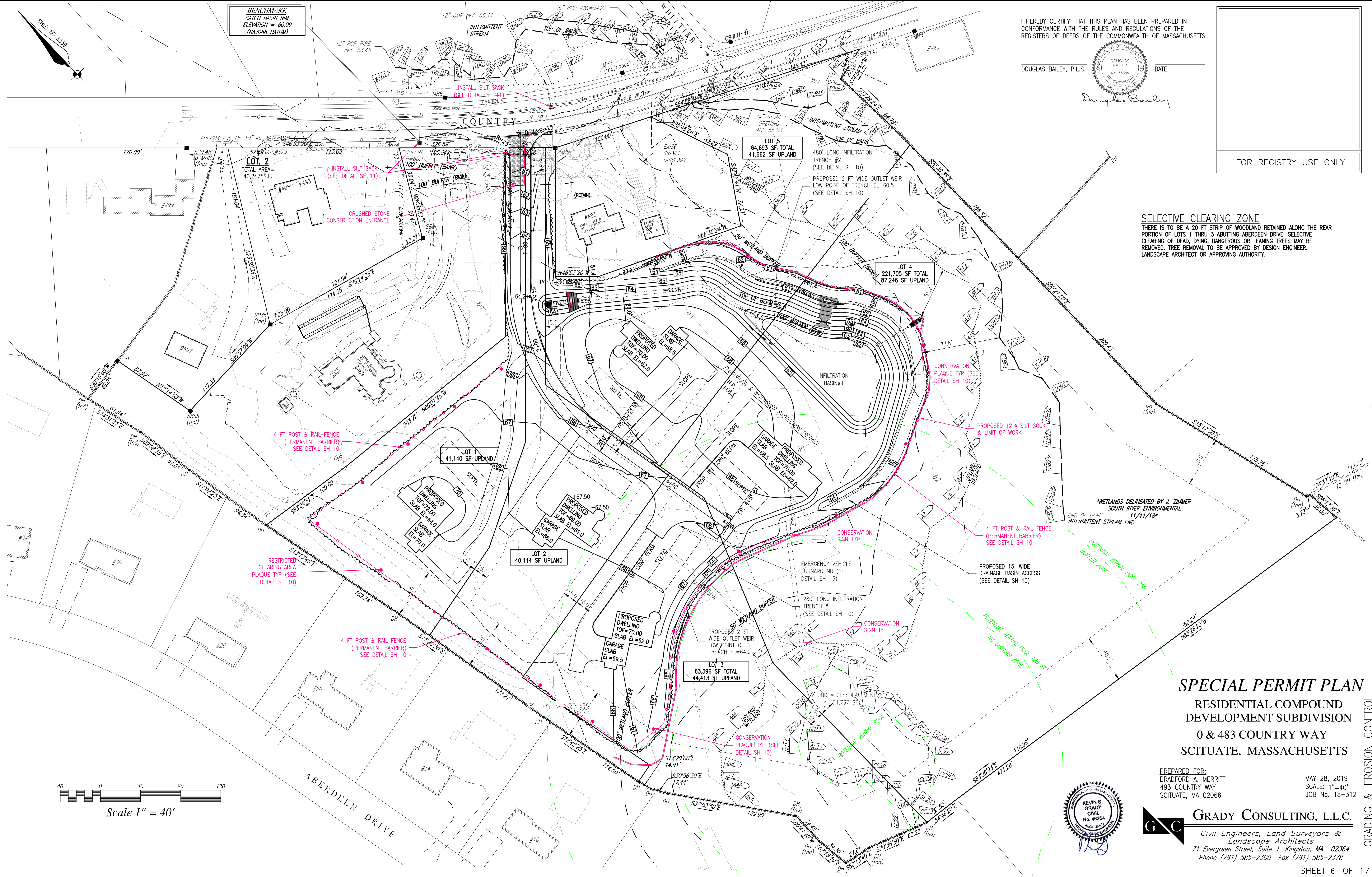
DOUGLAS BAILEY, P.L.S. DATE



Douglas Bailey

FOR REGISTRY USE ONLY

SELECTIVE CLEARING ZONE
THERE IS TO BE A 20 FT STRIP OF WOODLAND RETAINED ALONG THE REAR PORTION OF LOTS 1 THRU 3 ABUTTING ABERDEEN DRIVE. SELECTIVE CLEARING OF DEAD, DYING, DANGEROUS OR LEANING TREES MAY BE REMOVED. TREE REMOVAL TO BE APPROVED BY DESIGN ENGINEER, LANDSCAPE ARCHITECT OR APPROVING AUTHORITY.



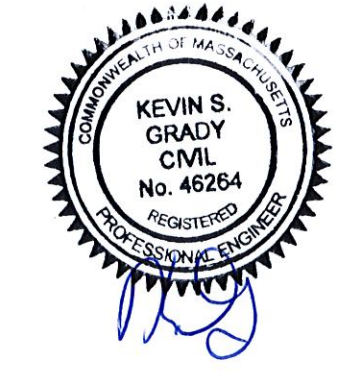
Scale 1" = 40'

SPECIAL PERMIT PLAN
RESIDENTIAL COMPOUND
DEVELOPMENT SUBDIVISION
0 & 483 COUNTRY WAY
SCITUATE, MASSACHUSETTS

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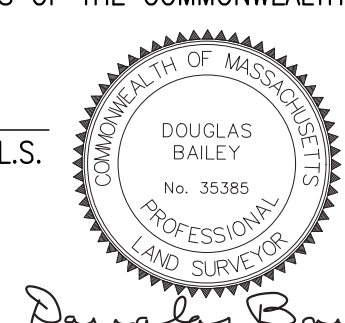
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GRADING & EROSION CONTROL

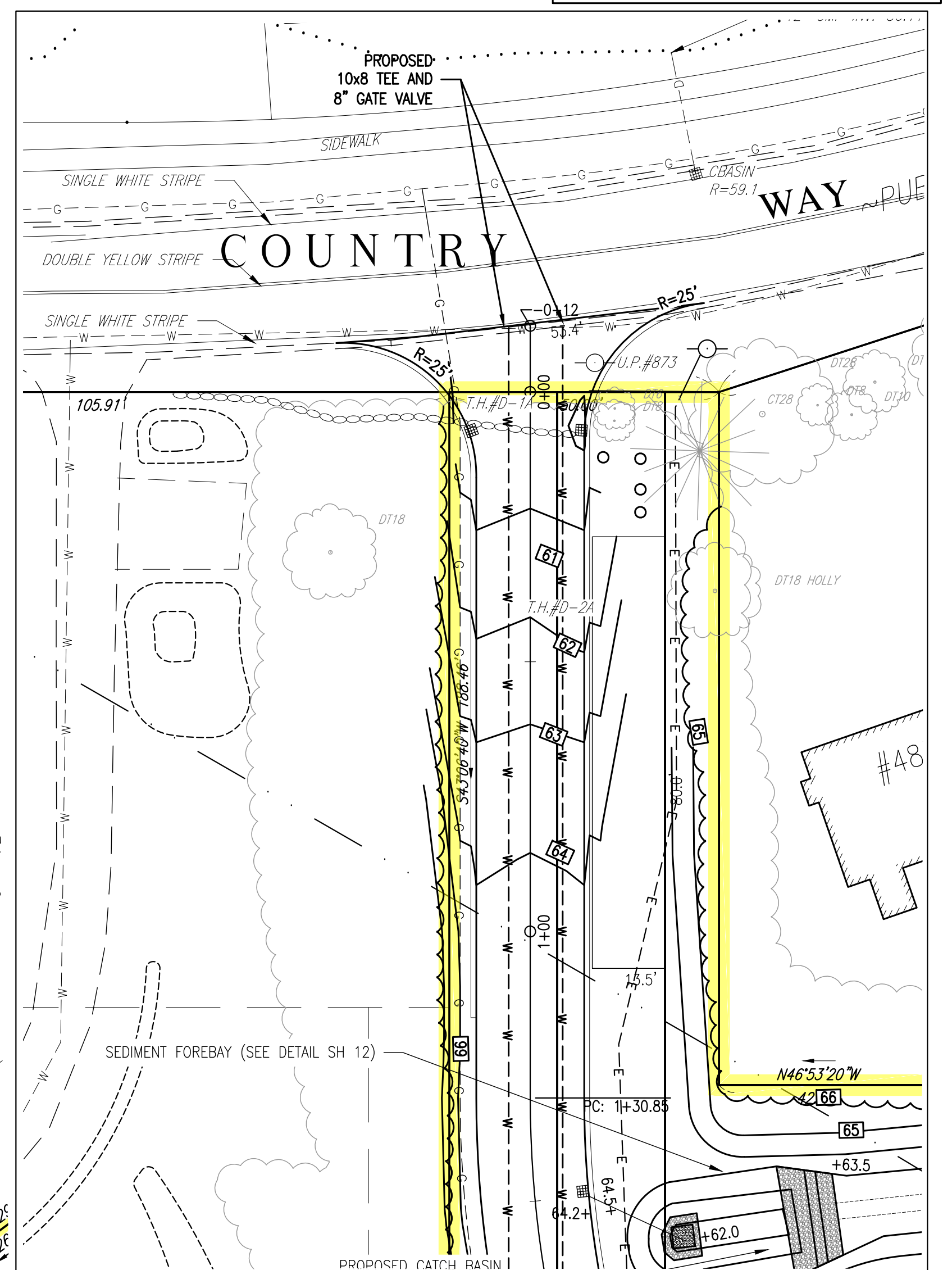
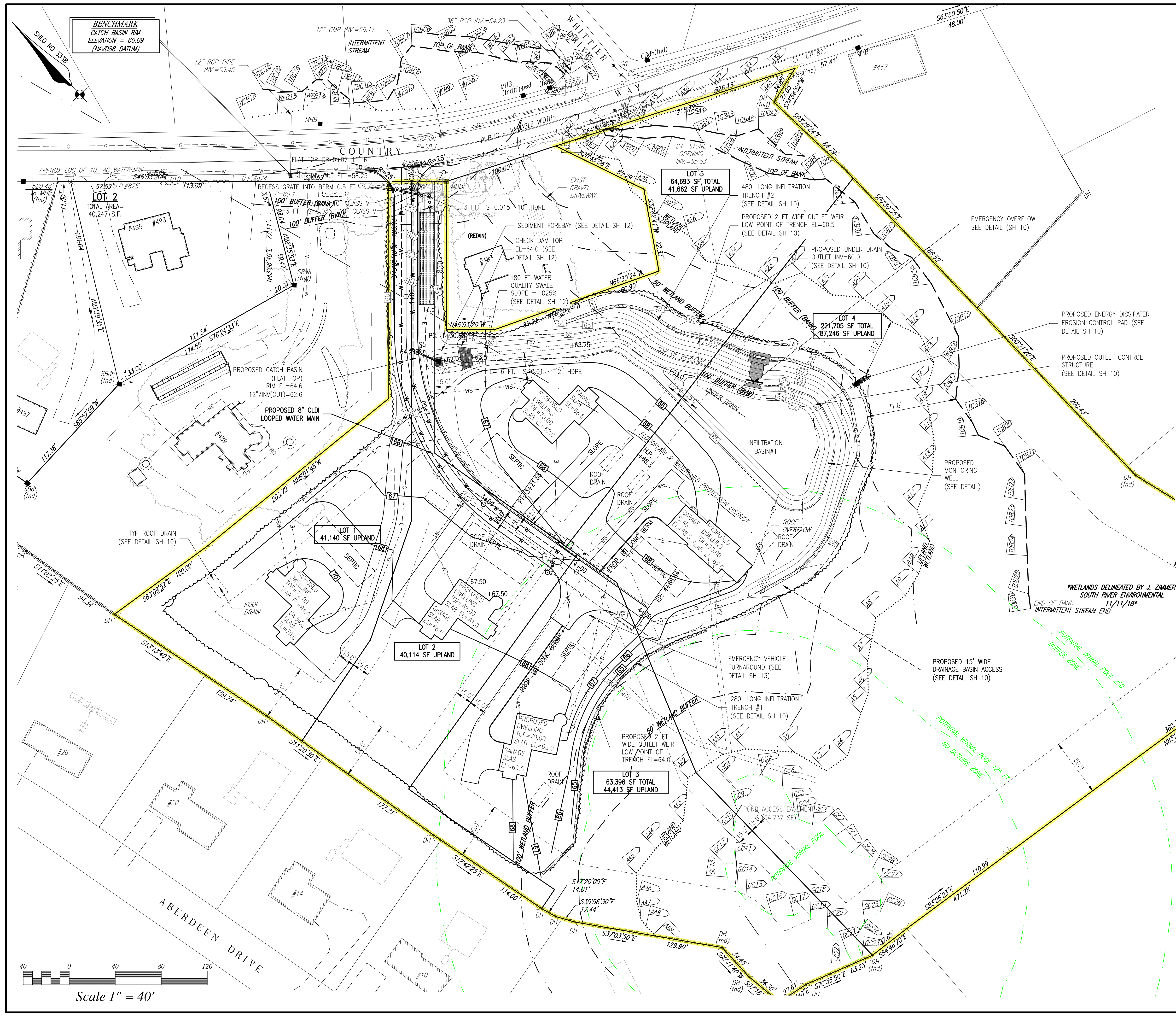
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DOUGLAS BAILEY, P.L.S. _____ DATE _____



Douglas Bailey

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ENTRANCE/UTILITY DETAIL
SCALE: 1"=20'

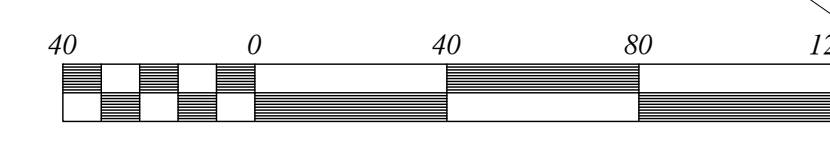
SPECIAL PERMIT PLAN
RESIDENTIAL COMPOUND
DEVELOPMENT SUBDIVISION
0 & 483 COUNTRY WAY
SCITUATE, MASSACHUSETTS

PREPARED FOR:
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SCITUATE, MA 02066

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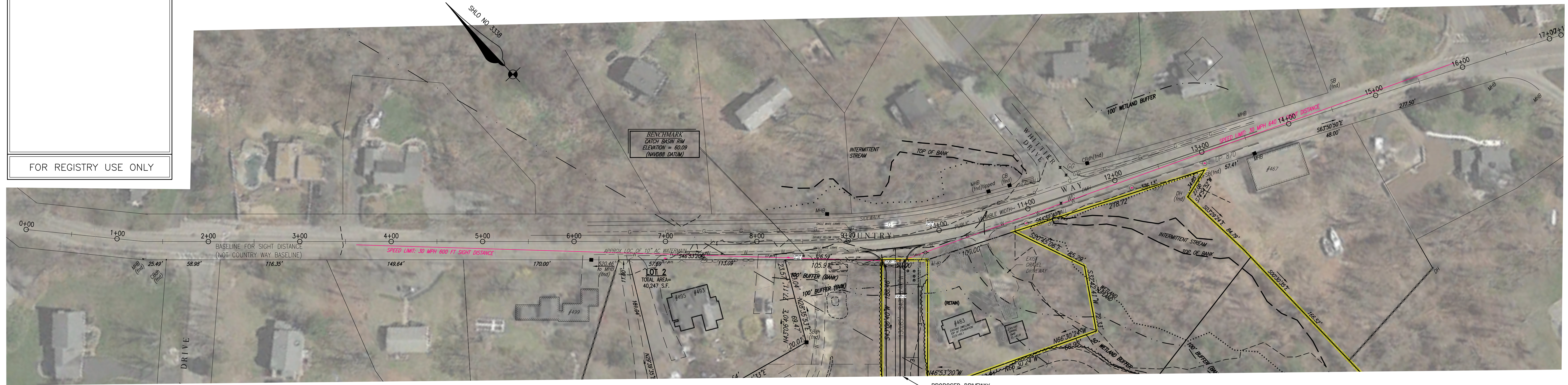
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71 Evergreen Street, Suite 1, Kingston, MA 02364
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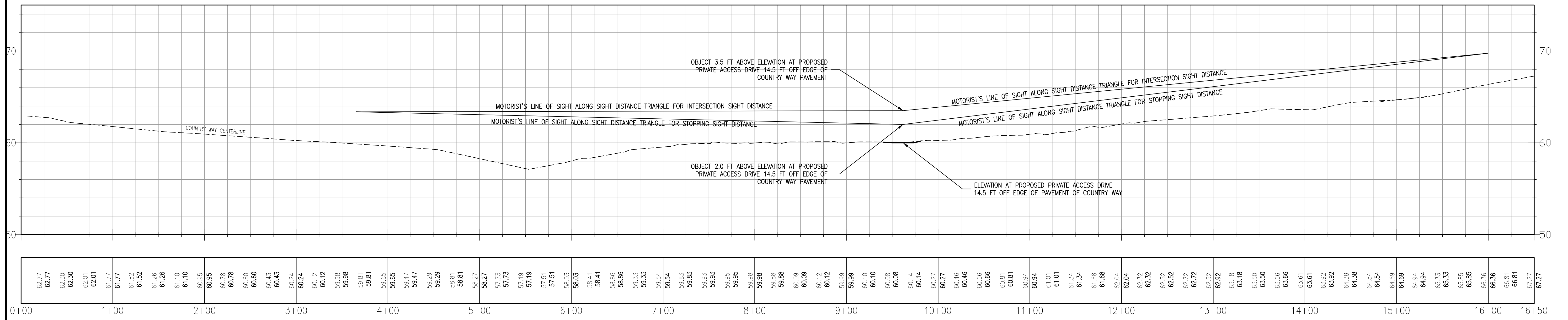
Scale 1" = 40'

UTILITIES

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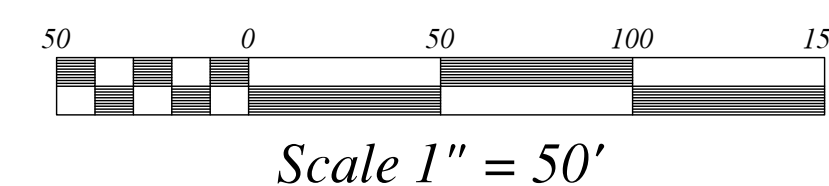
PLAN VIEW
SCALE 1"=50'



PROFILE VIEW
SCALE 1"=50' HORIZONTAL
1"=5' VERTICAL

- NOTES:
- SIGHT DISTANCES SHOWN HEREON ARE BASED UPON THE AASHTO TRAFFIC CODE, 6TH EDITION, PER SECTION 720.7(K) OF THE SITUATE ZONING BY LAW COMMON DRIVEWAY DESIGN STANDARDS. POSTED SPEED LIMIT AT DRIVEWAY INTERSECTION IS 30 MPH.
 - AASHTO SECTION 1340 DIAGRAM 3 REQUIRES A 250' STOPPING DISTANCE FROM A DRIVEWAY FOR A POSTED SPEED LIMIT OF 35 MPH.
 - INTERSECTION LINE OF SIGHT MAY BE TAKEN FROM ANY POINT FROM 10' TO 18' OFF THE EDGE OF ROADWAY PAVEMENT PER AASHTO SECTION 1340.
 - FOR INTERSECTION SIGHT DISTANCE STUDIES THE HEIGHT OF MOTORISTS EYE IS 3.5' AND THE HEIGHT OF APPROACHING OBJECT IS 3.5' PER AASHTO.
 - FOR STOPPING SIGHT DISTANCE THE HEIGHT OF MOTORISTS EYE IS 3.5' AND THE HEIGHT OF OBJECT IS 2.0' PER AASHTO.

POSTED SPEED LIMIT 30 MPH	REQUIRED	PROVIDED
STOPPING SIGHT DISTANCE	140 FT	600+ FT
INTERSECTION SIGHT DISTANCE	335 FT	600+ FT



I HEREBY CERTIFY THAT THIS PLAN HAS BEEN PREPARED IN CONFORMANCE WITH THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS OF THE COMMONWEALTH OF MASSACHUSETTS.

DOUGLAS BAILEY, P.L.S. DATE _____

Douglas Bailey

SPECIAL PERMIT PLAN
RESIDENTIAL COMPOUND
DEVELOPMENT SUBDIVISION
0 & 483 COUNTRY WAY
SCITUATE, MASSACHUSETTS

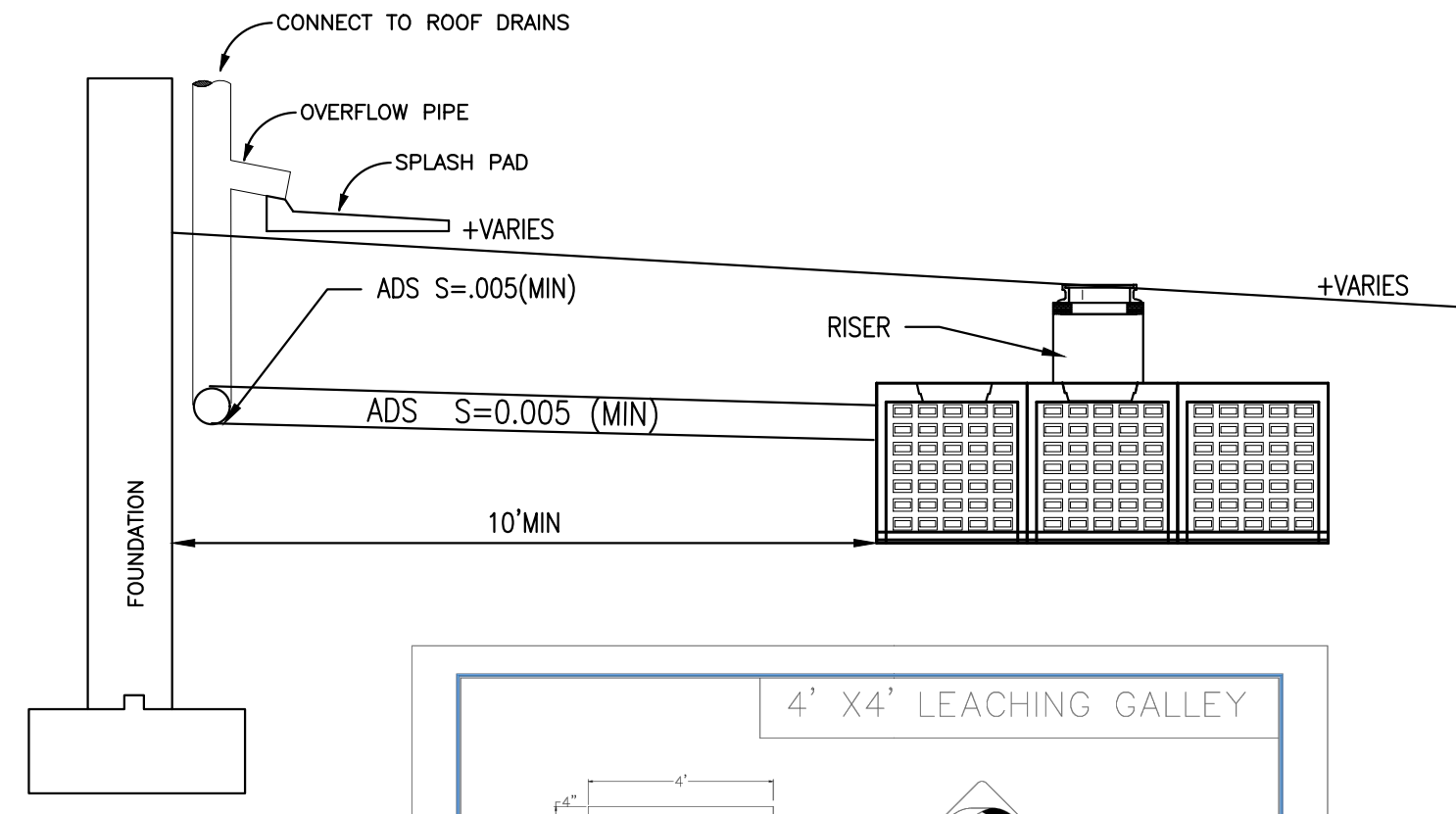
PREPARED FOR:
 BRADFORD A. MERRITT
 493 COUNTRY WAY
 SCITUATE, MA 02066

MAY 28, 2019
 SCALE: 1"=40'
 JOB No. 18-312



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SIGHT DISTANCE



INDIVIDUAL LOT DEVELOPMENTS TO INCLUDE ROOF DRAIN DESIGN IN CONFORMANCE WITH ZBL 520.4.D.1

INDIVIDUAL LOT ROOF DRAIN DESIGN ASSUMES 3000 SF ROOF. 3000 SF x 1IN/12(IN/FT)=250 SF STORAGE REQUIRED

POSSIBLE OPTIONS FOR INDIVIDUAL LOT ROOF SYSTEMS INCLUDE (TO BE DESIGNED DURING INDIVIDUAL LOT DEVELOPMENTS DEPENDING UPON HOUSE AND LOT DESIGN, TO BE PERMITTED BY BUILDING DEPARTMENT/ ZONING ENFORCEMENT OFFICER):

1. 4-4'x4' x 4' PRECAST GALLEYS WITH 12" OF STONE AROUND AND 6" OF STONE ABOVE AND BELOW CHAMBERS (313 CF STORAGE)
2. 4-ADS SC-740 CHAMBERS WITH 12" OF STONE AROUND AND 6" OF STONE ABOVE AND 6" BELOW CHAMBERS (299 CF STORAGE)
3. 4-20 FT LONG 12" ADS N-12 PIPE WITH 12" OF STONE AROUND AND 6" OF STONE ABOVE AND 6" BELOW CHAMBERS (263 CF STORAGE)

ROOF DRAIN DETAIL
SUBSURFACE GALLEY SYSTEM
(NOT TO SCALE)

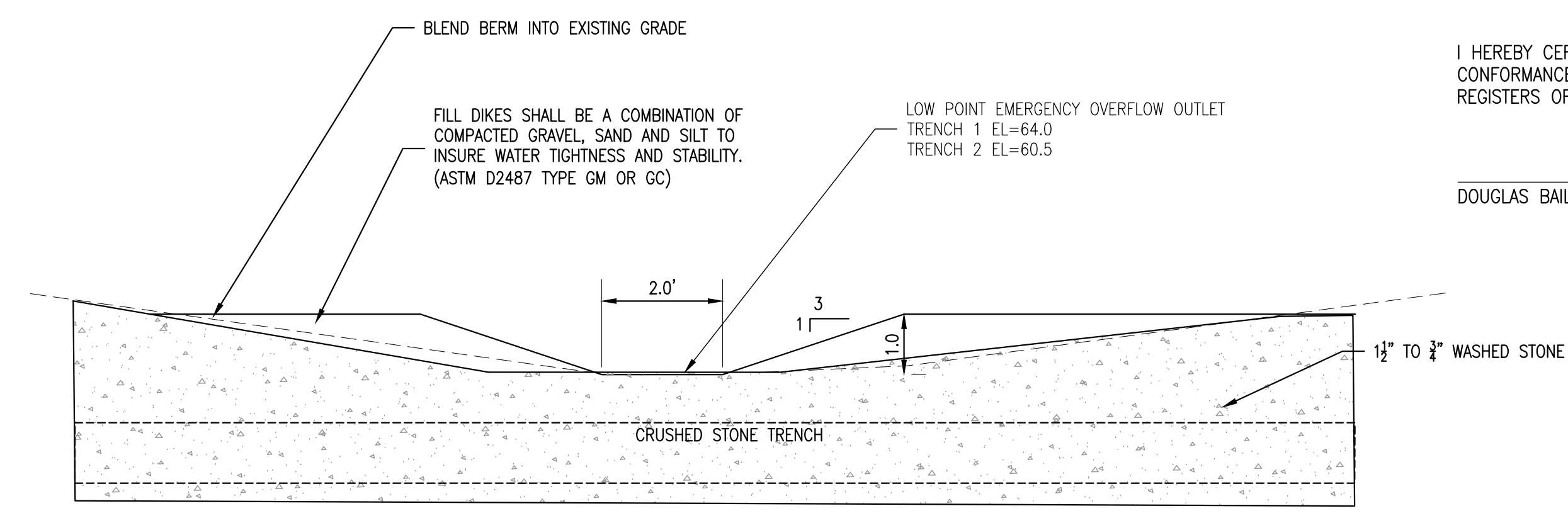
4' x 4' LEACHING GALLEY

DESIGN NOTES:

1. CONCRETE STRENGTH 5,000 PSI @ 28 DAYS
2. STEEL REINFORCEMENT PER ASTM A-615, GRADE-60
3. DESIGN LOADINGS: H=20 WITH 12" TO 60" OF COVER
4. AVAILABLE IN 4' SECTIONS FOR ANY DESIRED LENGTH ALSO AVAILABLE IN 4-SIDED STAND ALONE GALLEY

PRODUCT	APPROX. WEIGHT (LBS)	LEACHING DATA (GAL/24HR)	LEACHING INSIDE CAPACITY (GALLONS)
4' x 4' x 4' SECTION	2420	28	36.8
2' x 4' x 4' END	2480	28	36.8
4' x 4' x 4' 4-SIDED	2720	28	36.8

SCITUATE COMPANIES
CONTRACTOR: SCITUATE, MA 01903
PHONE: 508-440-0099
FAX: 508-440-4350
DATE: DRAWING: SPR-04L DRAWING BY: C.J. SCOTT



INFILTRATION TRENCH TO BE 2 FT DEEP AND FOLLOW GRADE TO LOW POINTS. OUTLETS TO CONSIST OF 2 FT WIDE 1 FT HIGH TRAPEZOIDAL WEIR AT LOW POINT.

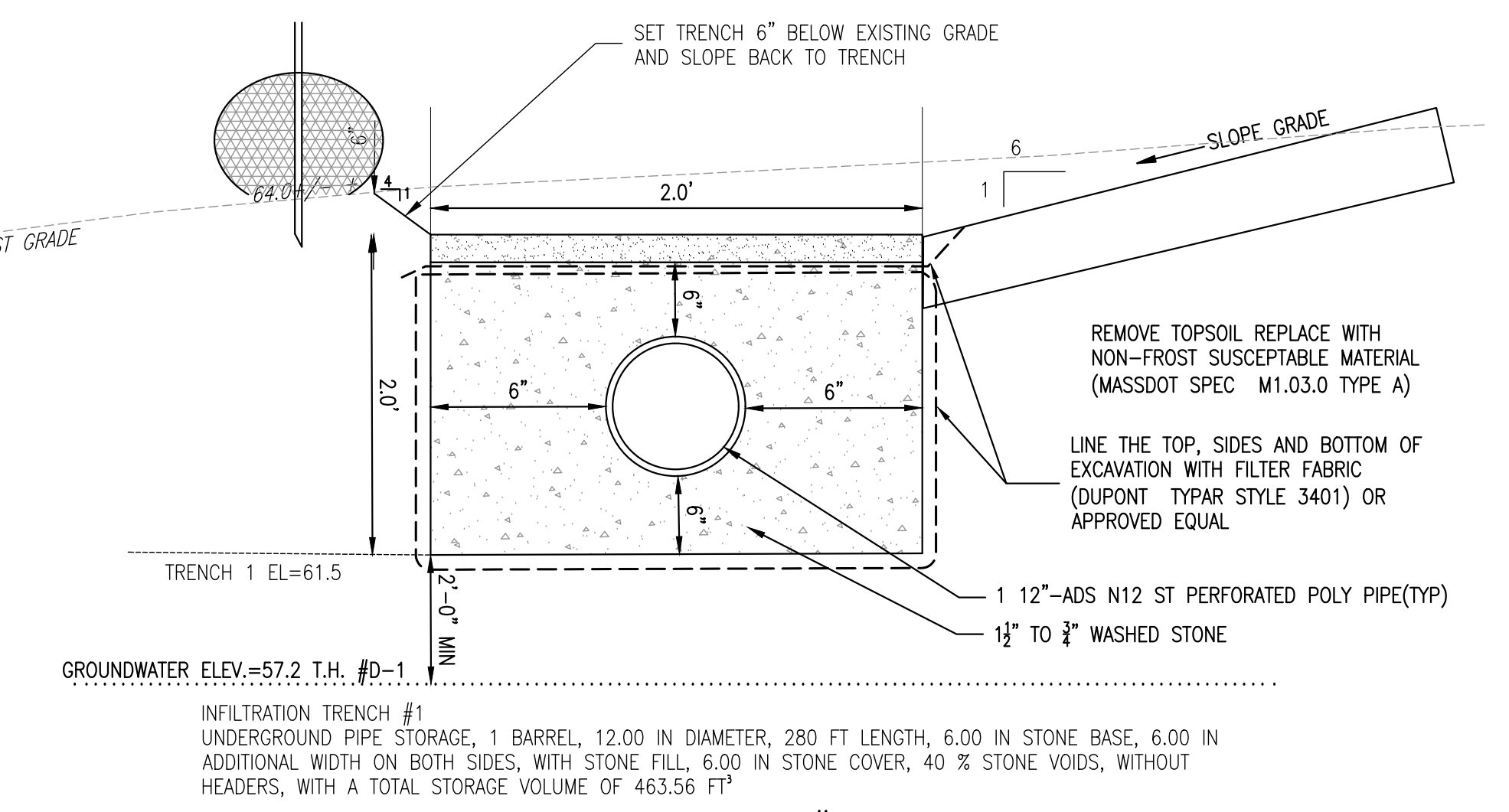
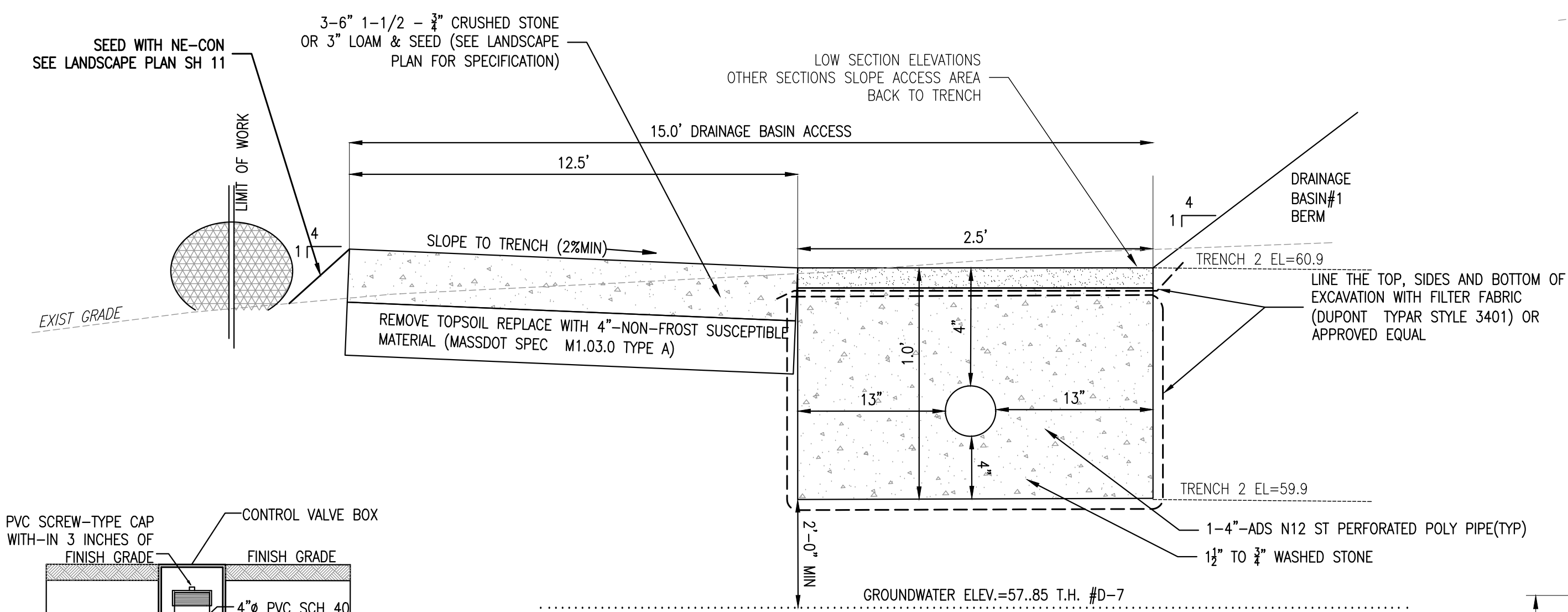
INFILTRATION TRENCH OUTLET WEIR DETAIL
(NOT TO SCALE)

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN PREPARED IN CONFORMANCE WITH THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS OF THE COMMONWEALTH OF MASSACHUSETTS.

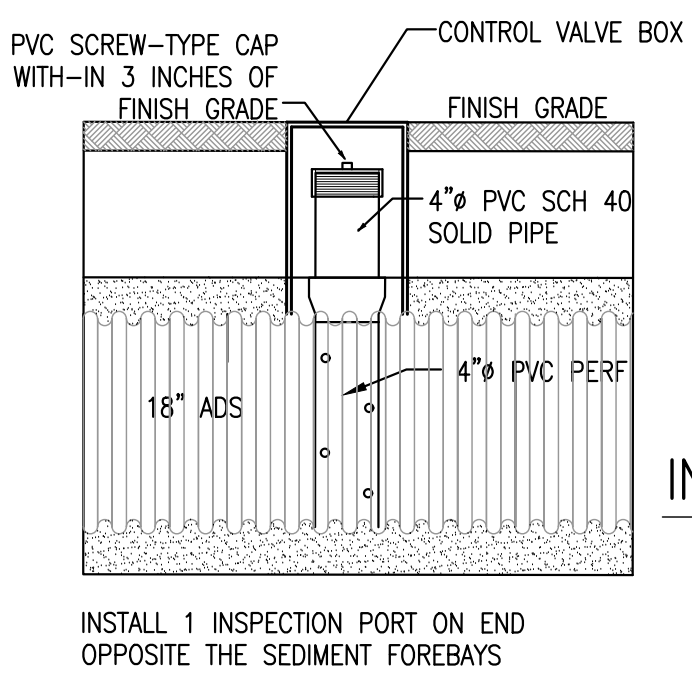
DOUGLAS BAILEY, P.L.S. DATE _____

Douglas Bailey

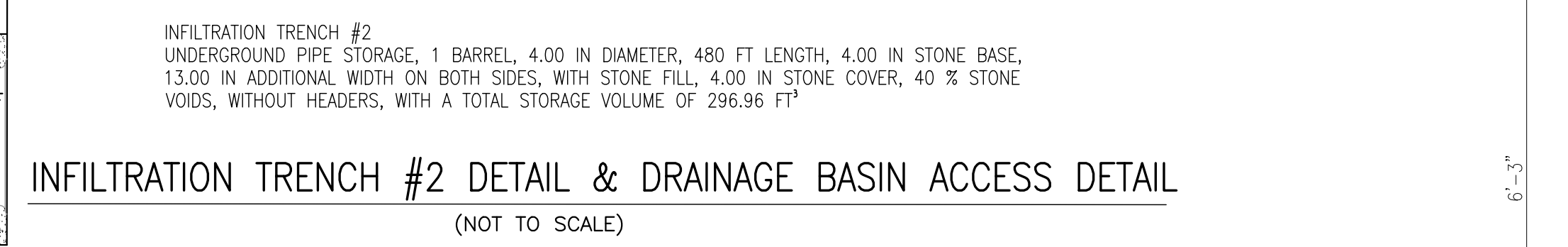
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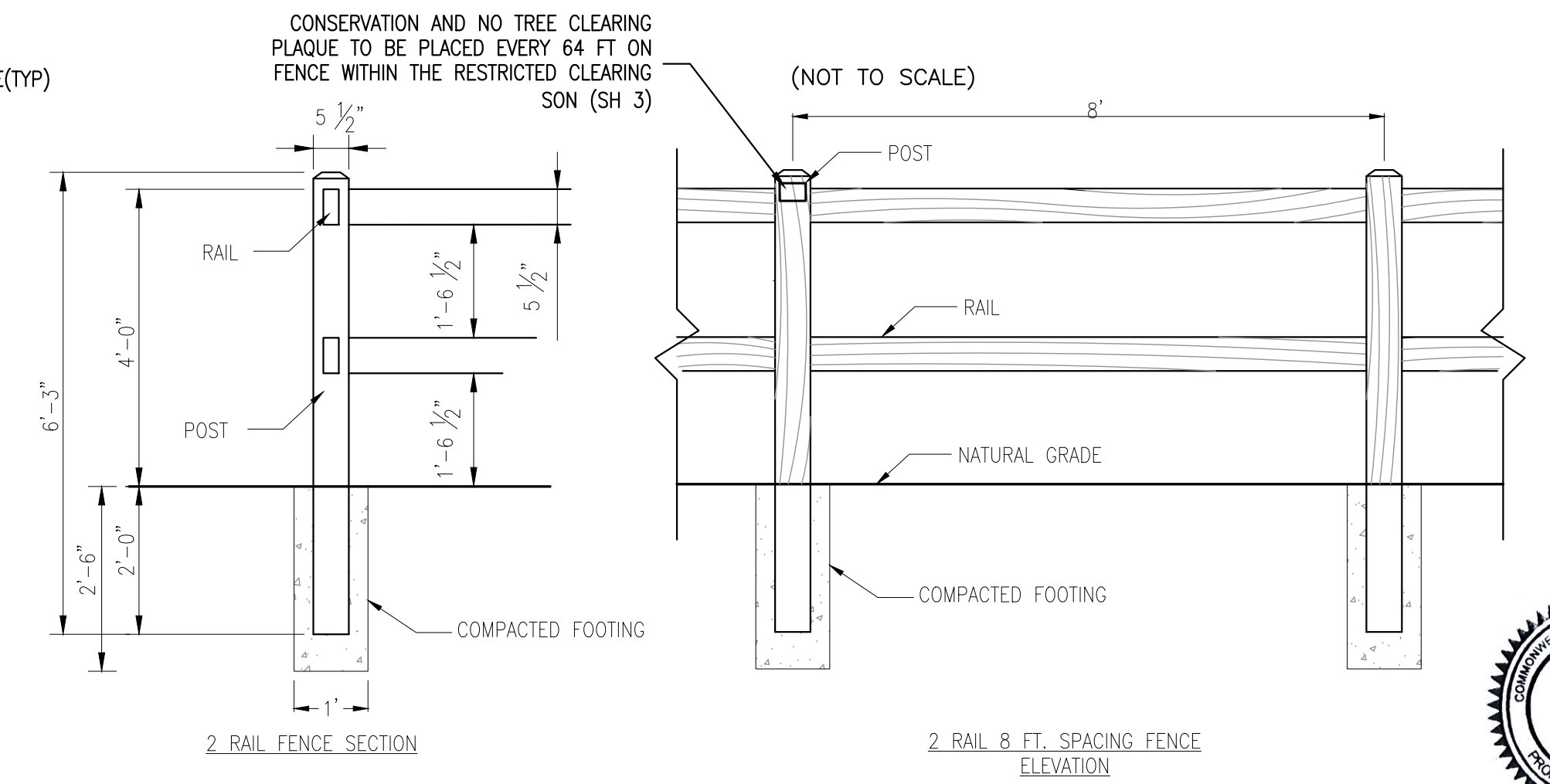
INFILTRATION TRENCH #1 DETAIL



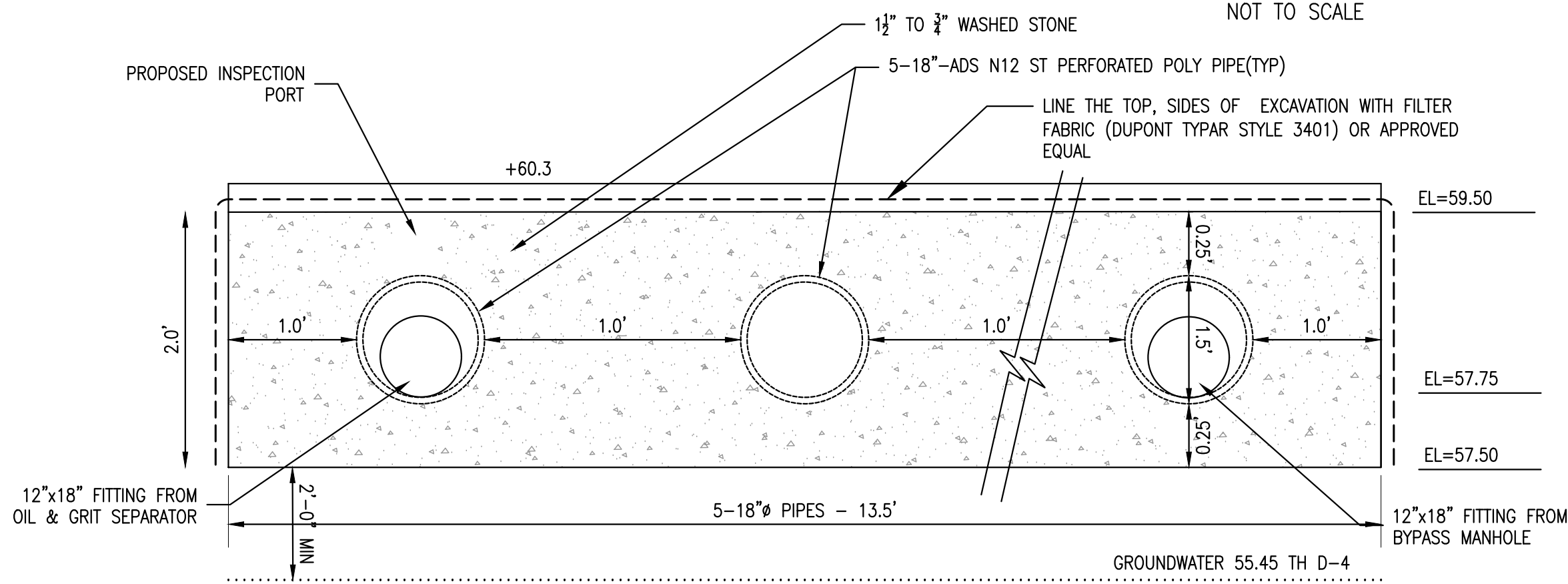
INSPECTION PORT DETAIL
(NOT TO SCALE)



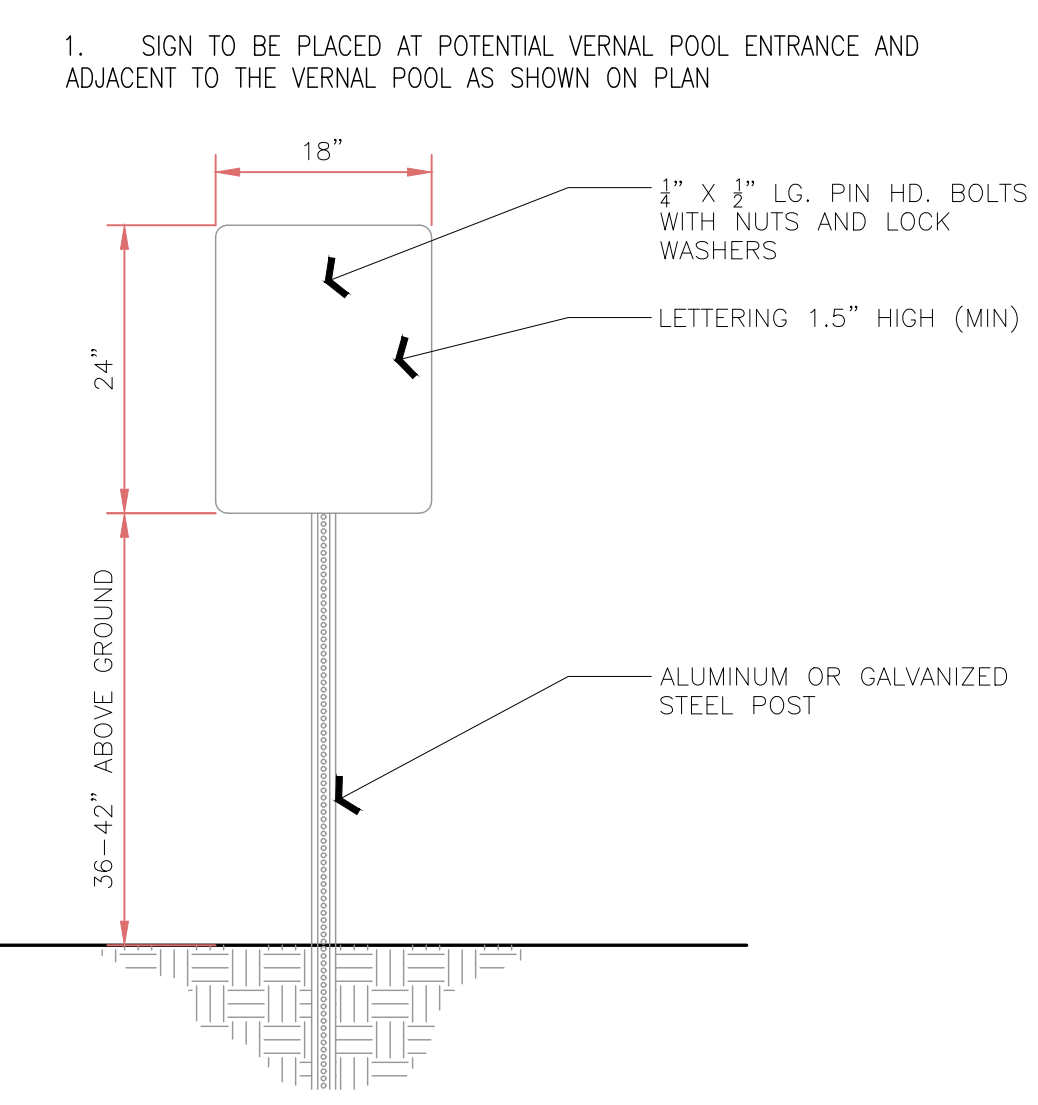
INFILTRATION TRENCH #2 DETAIL & DRAINAGE BASIN ACCESS DETAIL
(NOT TO SCALE)



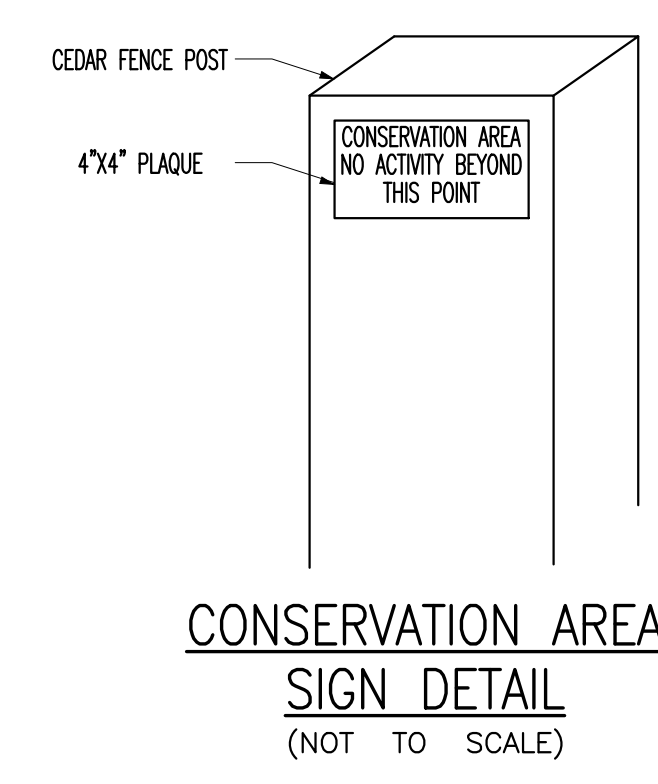
SPLIT RAIL FENCE DETAIL
N.T.S.



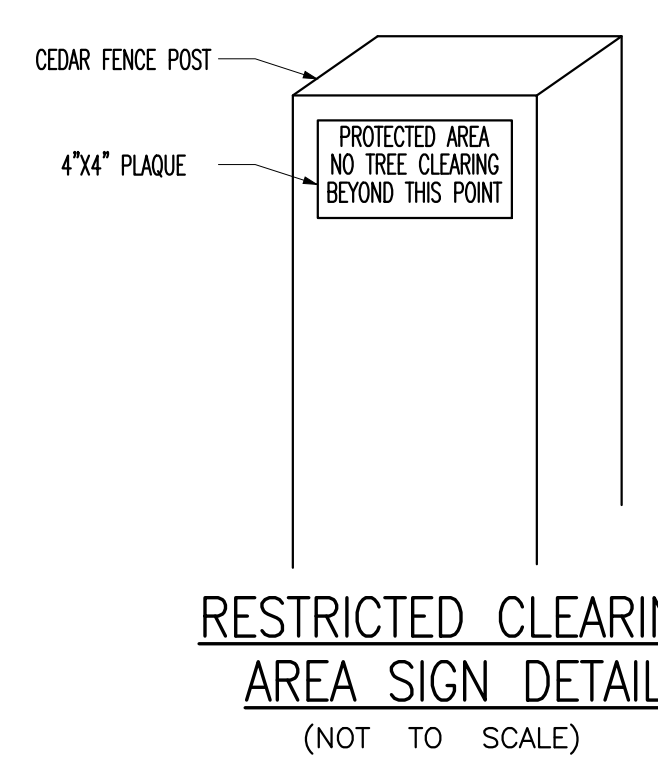
SUBSURFACE SYSTEM (BASIN#2)
(NOT TO SCALE)



CONSERVATION SIGN DETAIL
3/4" = 1'-0" P-1-320101-01



CONSERVATION AREA SIGN DETAIL
(NOT TO SCALE)



RESTRICTED CLEARING AREA SIGN DETAIL
(NOT TO SCALE)

KEVIN S. GRADY CIVIL
No. 45264
REGISTERED PROFESSIONAL ENGINEER

SPECIAL PERMIT PLAN
RESIDENTIAL COMPOUND DEVELOPMENT SUBDIVISION
0 & 483 COUNTRY WAY
SCITUATE, MASSACHUSETTS

PREPARED FOR:
BRADFORD A. MERRITT
493 COUNTRY WAY
SCITUATE, MA 02066

MAY 28, 2019
SCALE: AS NOTED
JOB No. 18-312

GRADY CONSULTING, L.L.C.
Civil Engineers, Land Surveyors & Landscape Architects
71 Evergreen Street, Suite 1, Kingston, MA 02364
Phone (781) 585-2300 Fax (781) 585-2378

DETAILS

WATER SPECIFICATIONS

RESILIENT SEATED WEDGE GATE VALVES
 a. VALVES SHALL BE IRON BODY, BL-DIRECTIONAL, RESILIENT TYPE, DESIGNED FOR 200 PSI WORKING PRESSURE AND CONFORM TO THE LATEST REVISION OF AWWA C-509-87.
 b. VALVES SHALL HAVE O RING SEALS, NON-RISING SEAM AND 2" OPERATING VALVES SHALL OPEN LEFT.
 c. VALVES SHALL HAVE MECHANICAL JOINT END, UNLESS OTHERWISE NOTED.
 d. VALVES INTERIORS AND EXTERIORS SHALL BE EPOXY COOLED IN ACCORDANCE WITH AWWA SPECIFICATION C-550.
 e. VALVES SHALL BE AS MANUFACTURED MUELLER, CLOW OR AMERICAN DARLING.

VALVE BOXES
 a. VALVE BOXES SHALL BE CAST IRON, TOR COATED, TELESCOPING HEAVY POHERN TYPE, CONSISTING OF FLANGED BOTTOM, FLANGED TOP AND COVER WITH THE WORD "WATER" COST IN THE COVER.

FITTINGS
 a. FITTINGS SHALL BE FULL FLOW, COMPACT SIZE CONFORMING TO THE LATEST REVISION OF AWWA SPECIFICATION C-153 AND HAVE A WORKING PRESSURE RATING OF 200 PSI.
 b. UNLESS OTHERWISE APPROVED, ALL FITTINGS SHALL HOVE MECHANICAL JOINT ENDS WITH APPROPRIATE GLANDS, GASKETS, NUTS, BOLTS AND ACCESSORIES.
 A. RESTRAINED JOINTS FOR MECHANICAL JOINT FITTINGS SHALL BE MECHANICAL AS MANUFACTURED BY EBBA IRON CO.

DUCTILE IRON
 a. ALL DUCTILE IRON PIPE SHALL BE DESIGNED IN ACCORDANCE WITH ANS A21.50 AND MANUFACTURED IN ACCORDANCE WITH ANS A21.51.
 b. ALL DUCTILE IRON PIPE SHALL BE CEMENT LINED CLASS 52 WITH AN EXTERIOR TAR COAT IN ACCORDANCE WITH ANS 21.50/SAWWA C150/AWWA C111.
 c. ALL DUCTILE IRON PIPE SHALL BE CEMENT LINED IN ACCORDANCE WITH ANS A21.4.
 d. ALL PIPE JOINTS SHALL BE OF THE BELL SPIGOT TYPE.

METALLIC INDICATOR TAPE
 a. METALLIC INDICATOR LOPE WITH "CAUTION WATER MAIN BURIED BELOW" SHALL BE PLACED IN TRENCH 1' FROM FINAL GRADE.

CORPORATION STOP
 a. THE CORPORATION STOP SHALL BE OF OIL BRONZE CONSTRUCTIONS, THE INLET THREAD SHALL BE OF C.C. TYPE. OUTLET CONNECTIONS SHALL BE COMPRESSION SUITABLE FOR USE WITH TYPE K COPPER TUBING.
 B. FOR PURPOSES OF STANDARDIZATION, CORPORATION STOP SHALL BE MODEL F-1000CC & MANUFACTURED BY THE FORD METER BOX CO.,

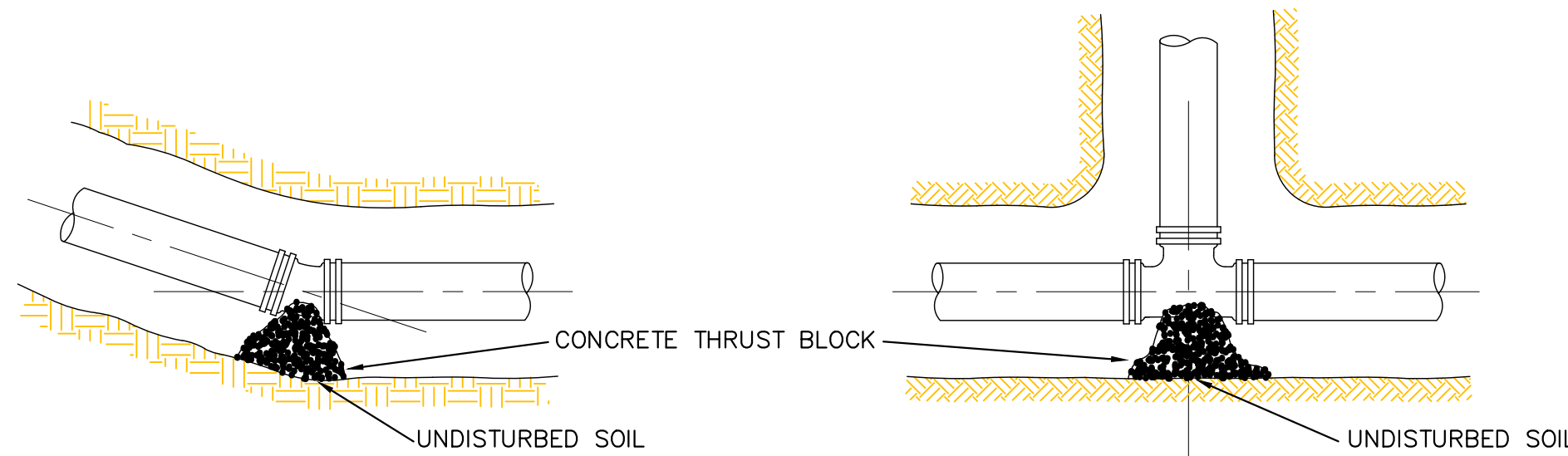
CURB STOPS
 a. CURB STOPS SHALL BE OF ALL BRONZE CONSTRUCTION WITH A DRAIN AND INLET AND OUTLET COMPRESSION CONNECTION SUITABLE FOR USE WITH TYPE K COPPER TUBING. CURB STOPS SHALL OPEN LEFT.
 B. FOR PURPOSES OF STANDARDIZATION, THE CURB STOP SHALL BE MODEL NO. 244-444SW OS MANUFACTURED BY THE FORD METER BOX CO.

CURB BOX
 a. THE CURB BOX SHALL BE COST IRON TAR COATED TELESCOPING "ERIES" TYPE WITH ROD, CONSISTING OF A BOTTOM, TOP AND COVER SECURED BY C PENTAGON NUT.

SADDLES
 a. SADDLES FOR SERVICE CONNECTIONS SHALL BE ALL BRASS WITH A MINIMUM 1" CC OUTLET.
 B. FOR THE PURPOSES OF STANDARDIZATION, THE SADDLE SHALL BE MODEL 202-BS-1110X4CC AS MANUFACTURED BY THE FORD METER CO.

SERVICE CONNECTIONS
 a. ALL SERVICE CONNECTIONS SHALL CONSIST OF O SADDLE, CORPORATION STOP, CURB STOP, CURB BOX, COPPER TYPE K TUBING, STAINLESS STEEL INSERTS AND METALLIC INDICATOR TAPE.

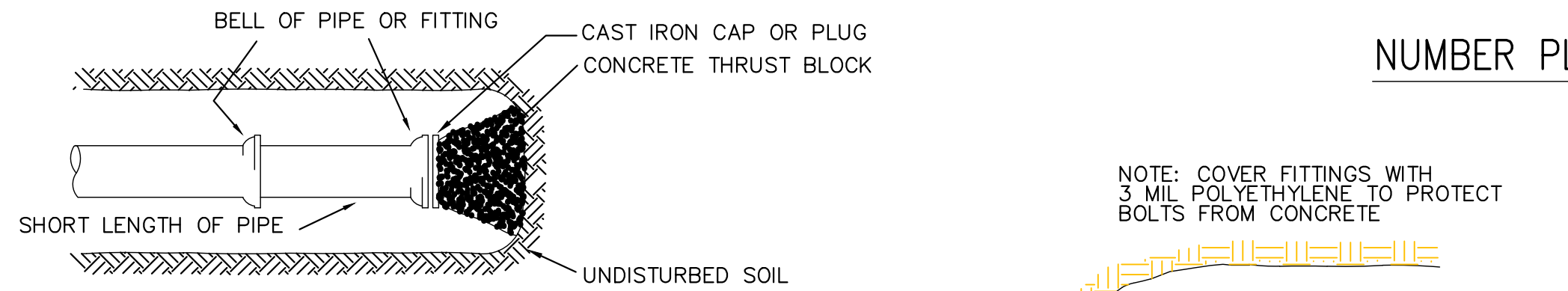
HYDRANTS
 a. ALL HYDRANTS SHALL BE THE MUELLER SUPER CENTURION.



PLAN HORIZONTAL BEND

PLAN TEE

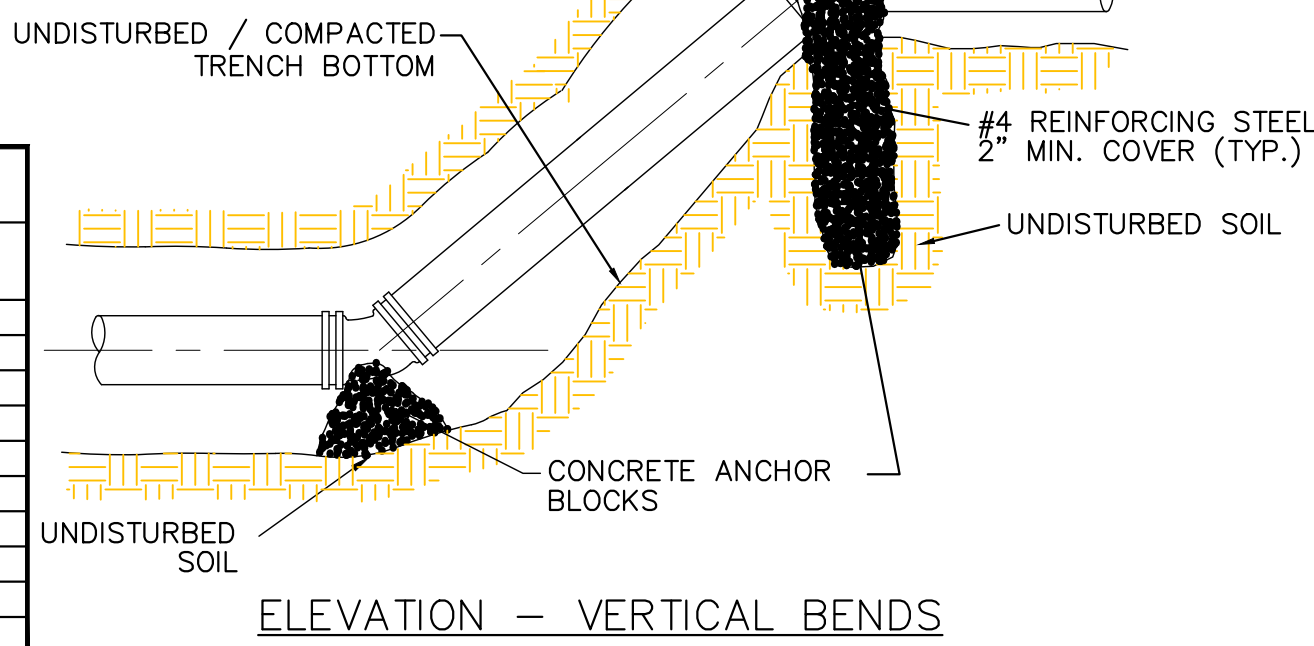
NOTE: COVER MECHANICAL JOINTS WITH 3 MIL POLYETHYLENE TO PROTECT BOLTS FROM CONCRETE THRUST BLOCK



PLAN PLUG END OF LINE

NOTE: COVER FITTINGS WITH 3 MIL POLYETHYLENE TO PROTECT BOLTS FROM CONCRETE

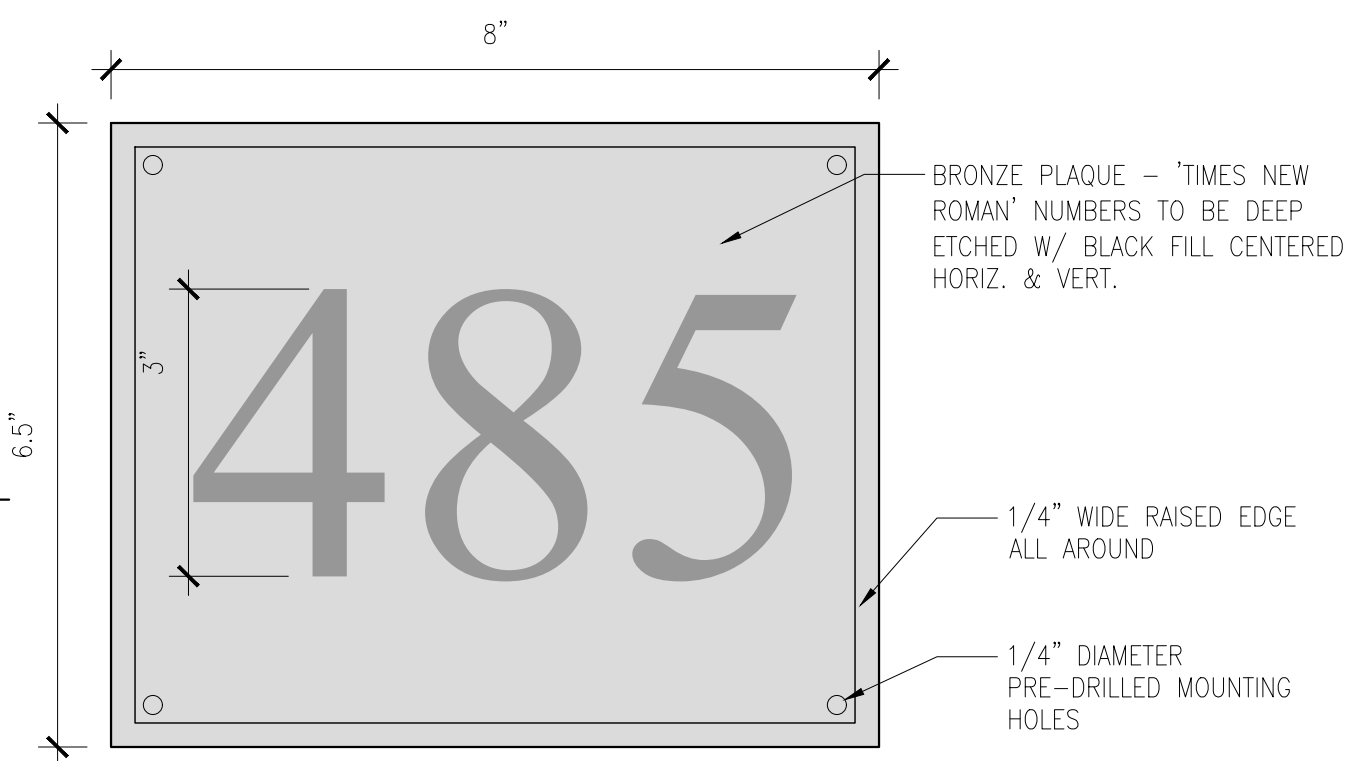
THRUST BLOCK REQUIREMENTS	
FITTING	MIN BEARING AREA (SF)
8" X 1/8" BEND	12
12" X 8" TEE	12
10" X 8" TEE	10
8" X 8" TEE	9
8" X 6" TEE	5
8" CAP / PLUG	12
12" X 8" REDUCER	8
10" X 8" REDUCER	6
8" X 6" REDUCER	4
8" 22 1/2" & 45° BENDS	8
ALL TEES AND VALVES	10
HYDRANTS	9



ELEVATION - VERTICAL BENDS

ANCHORAGE DETAILS

NOT TO SCALE

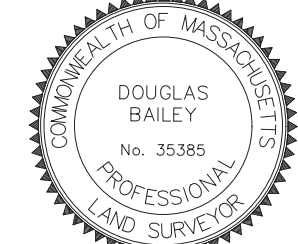


NUMBER PLATE / PLAQUE DETAIL (DRIVEWAY POST AND HOUSE)

N.T.S.

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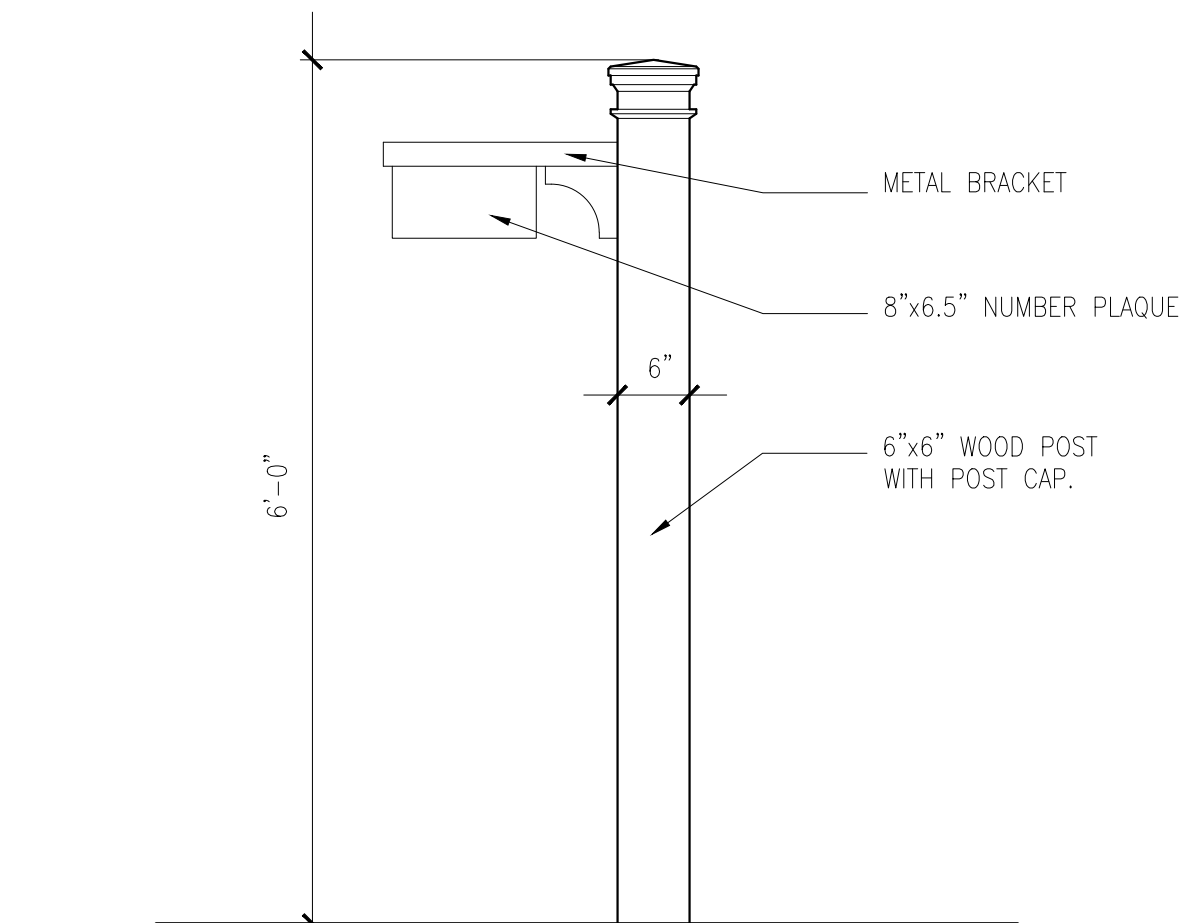
DOUGLAS BAILEY, P.L.S.



Douglas Bailey

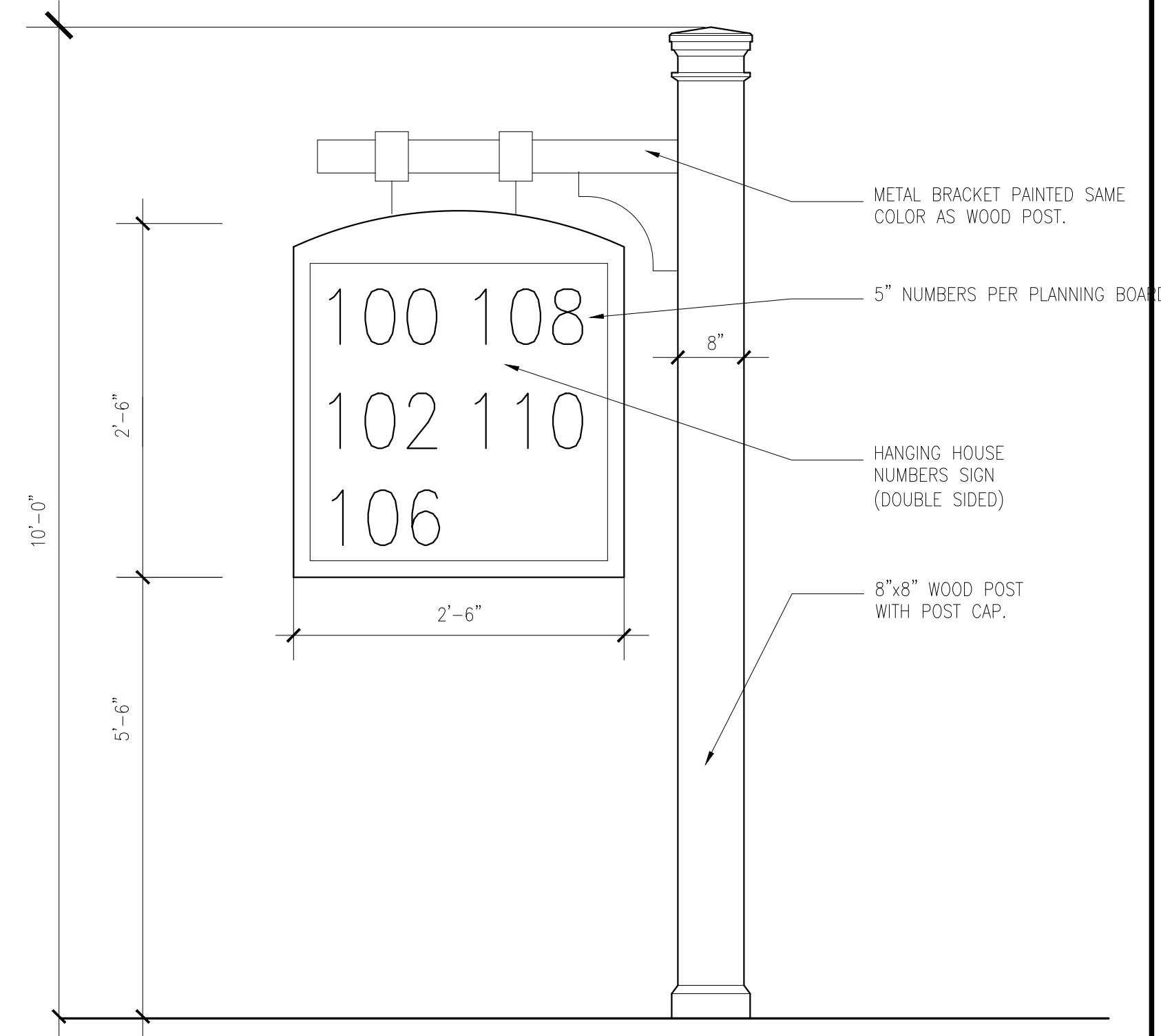
DATE

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DRIVEWAY POST

N.T.S.

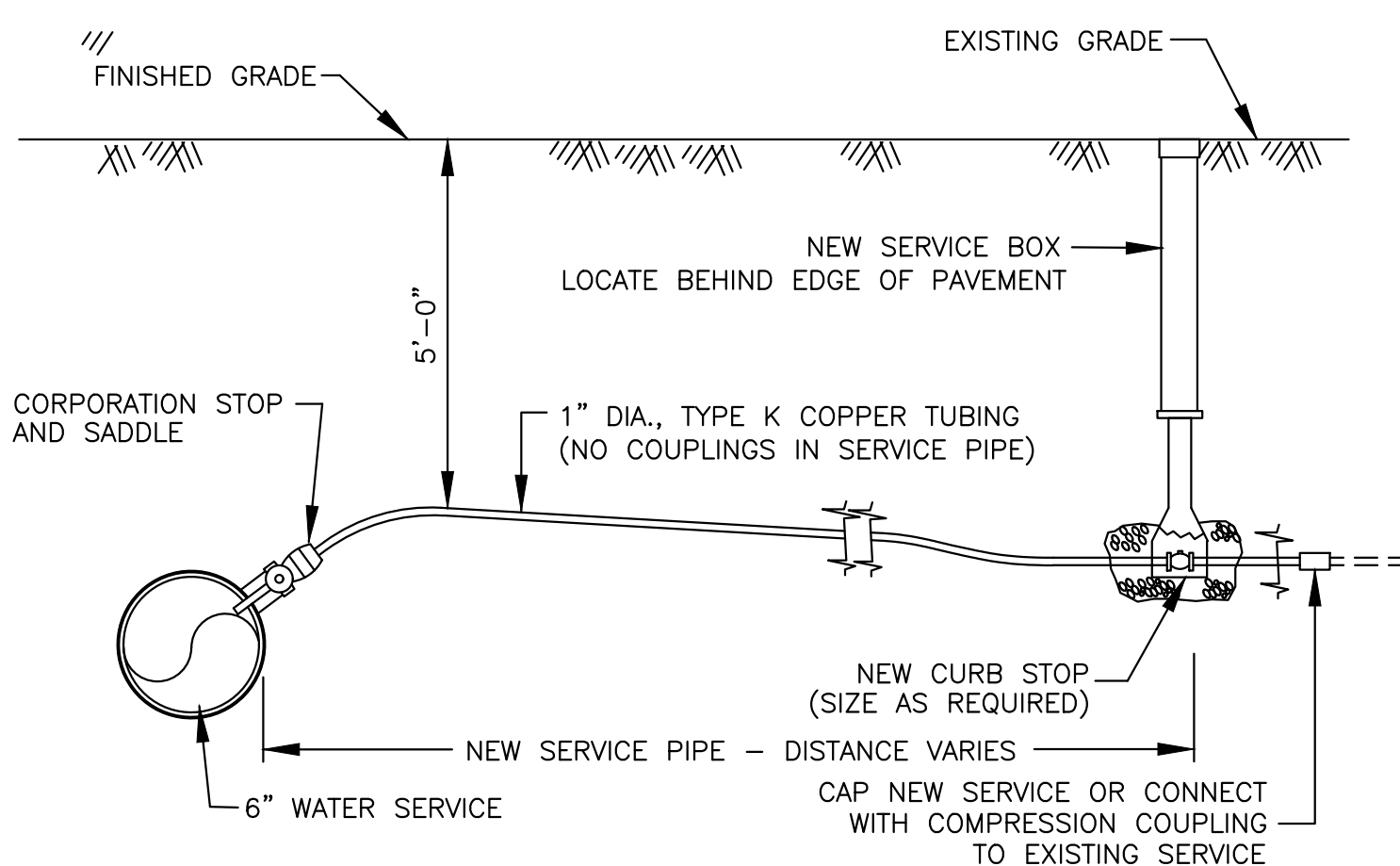


HANGING DIRECTORY SIGN

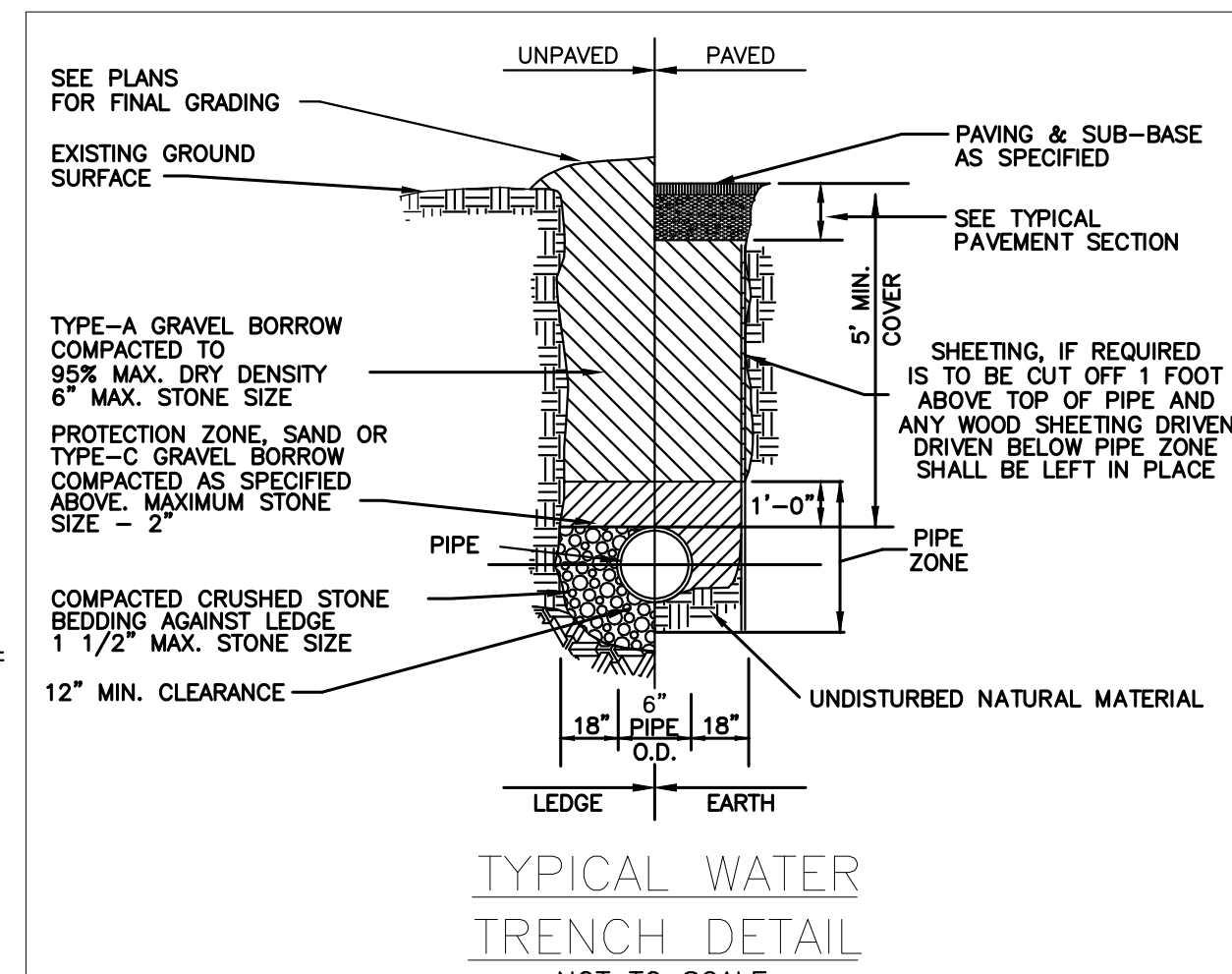
N.T.S.

WATER SUPPLY NOTES

- THERE SHALL BE NO PHYSICAL CONNECTION BETWEEN A PUBLIC OR PRIVATE POTABLE WATER SUPPLY SYSTEM AND A SEWER, OR APPURTENANCE THERETO WHICH WOULD PERMIT THE PASSAGE OF ANY WASTEWATER OR POLLUTED WATER INTO THE POTABLE SUPPLY.
- SEWER LINES MAY BE LAID CLOSER THAN 10 FEET TO A WATER MAIN PROVIDED THAT IT IS
 - LAID IN A SEPARATE TRENCH, AND
 - THE ELEVATION OF THE TOP(CROWN) OF THE SEWER IS AT LEAST 18 INCHES BELOW THE BOTTOM(INVERT) OF THE WATER MAIN.
- WHENEVER SEWERS MUST CROSS UNDER WATER MAINS, THE SEWER SHALL BE LAID AT SUCH AN ELEVATION THAT THE TOP OF THE SEWER IS AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER MAIN. WHEN THE ELEVATION OF THE SEWER CANNOT BE VARIED TO MEET THIS REQUIREMENT, THE WATER MAIN SHALL BE RELOCATED TO PROVIDE THIS SEPARATION OR RECONSTRUCTED WITH MECHANICAL JOINT PIPE FOR A DISTANCE OF 10 FEET ON EACH SIDE OF THE SEWER. ONE FULL LENGTH OF WATER MAIN SHOULD BE CENTERED OVER THE SEWER SO THAT BOTH JOINTS WILL BE AS FAR FROM THE SEWER AS POSSIBLE.
- WHEN IT IS IMPOSSIBLE TO OBTAIN PROPER HORIZONTAL AND VERTICAL SEPARATION AS STIPULATED ABOVE, BOTH THE WATER MAIN AND SEWER SHALL BE CONSTRUCTED OF MECHANICAL JOINT CAST IRON PIPE AND SHALL BE PRESSURE TESTED TO ASSURE WATERTIGHTNESS.

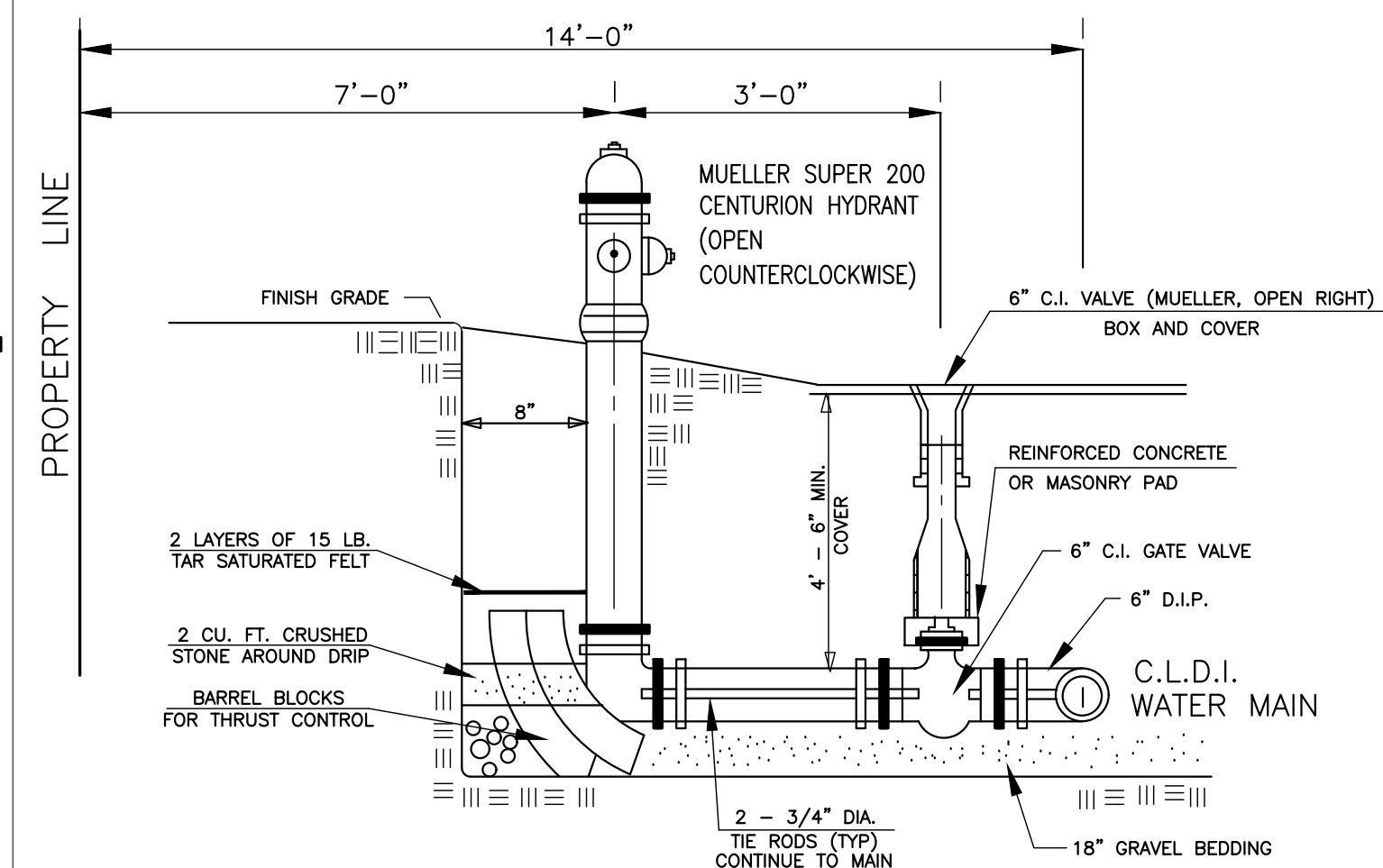


1.5" DOMESTIC WATER SERVICE DETAIL



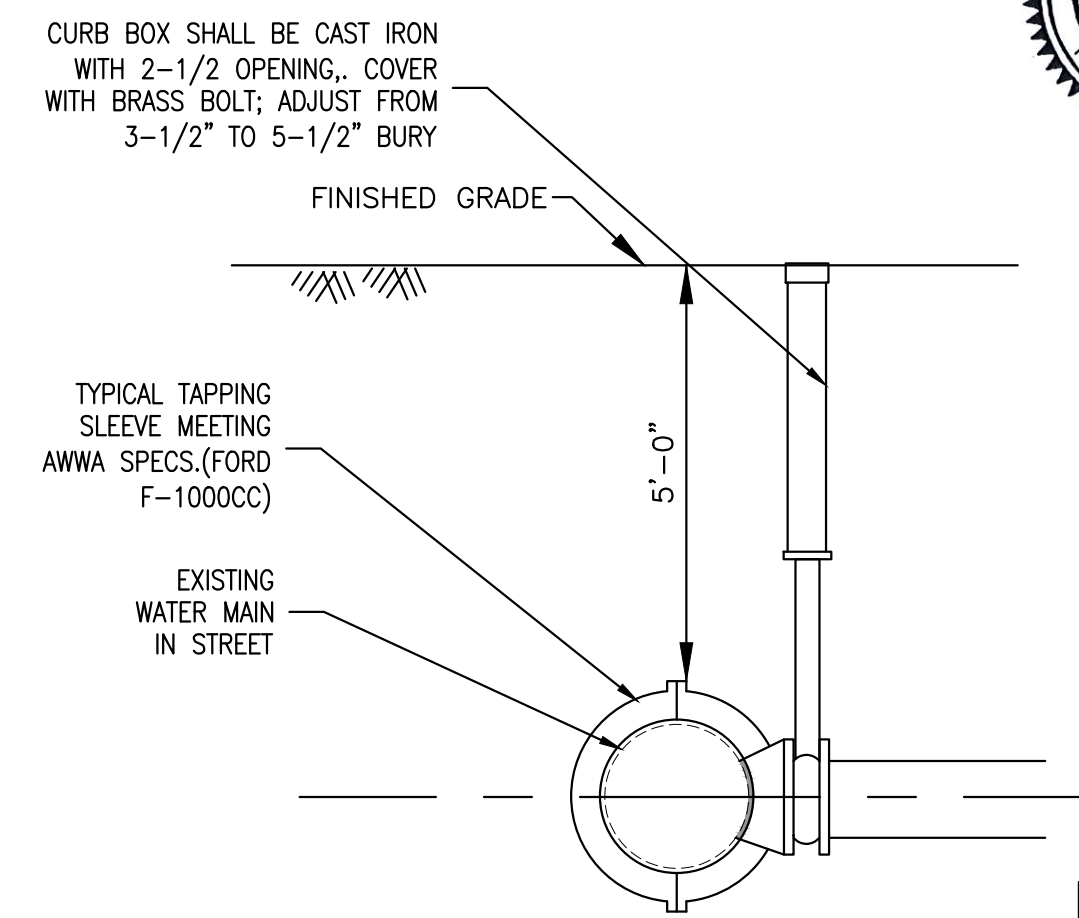
TYPICAL WATER TRENCH DETAIL

- GRAVEL BORROW SHALL CONFORM TO MASS HIGHWAY SPECIFICATION M1.03.0
- CRUSHED STONE BEDDING SHALL CONFORM TO MASS HIGHWAY SPECIFICATION M2.01.1



HYDRANT DETAIL

(NOT TO SCALE)



TAPPING SLEEVE DETAIL

(NOT TO SCALE)



SPECIAL PERMIT PLAN
 RESIDENTIAL COMPOUND
 DEVELOPMENT SUBDIVISION
 0 & 483 COUNTRY WAY
 SCITUATE, MASSACHUSETTS

PREPARED FOR:
 BRADFORD A. MERRITT
 493 COUNTRY WAY
 SCITUATE, MA 02066

MAY 28, 2019
 SCALE: AS NOTED
 JOB No. 18-312

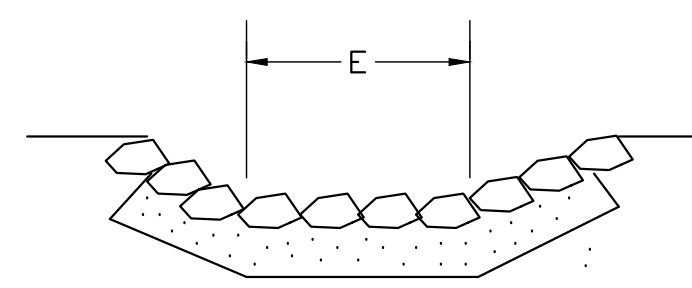
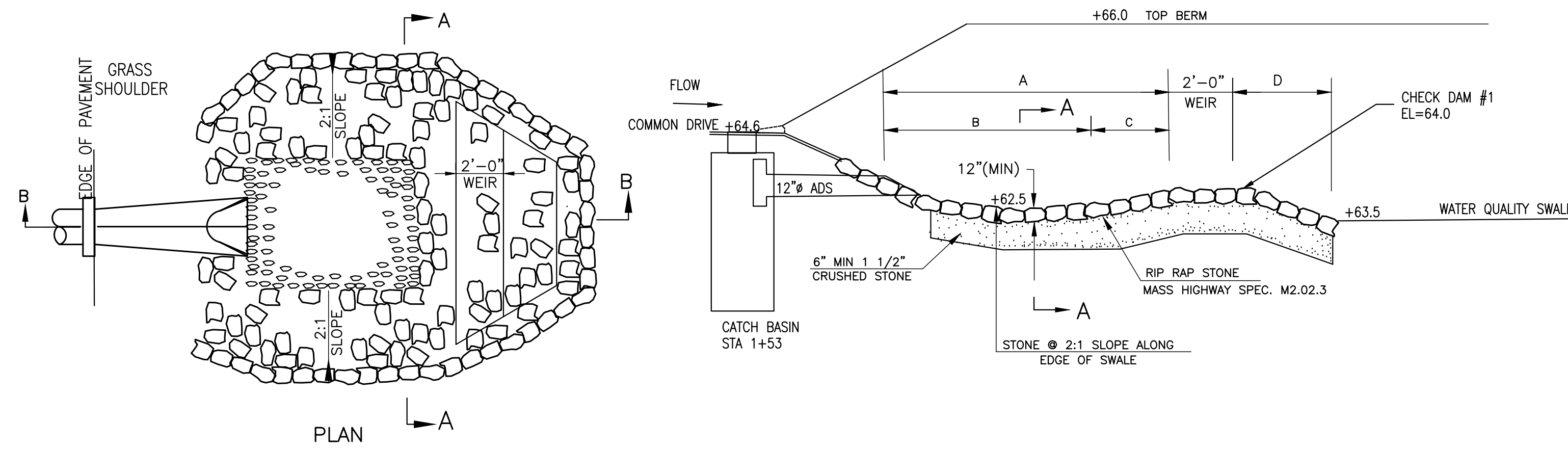
GRADY CONSULTING, L.L.C.
 Civil Engineers, Land Surveyors &
 Landscape Architects
 71 Evergreen Street, Suite 1, Kingston, MA 02364
 Phone (781) 585-2300 Fax (781) 585-2378

BAIN#1 VOLUME

CONTOUR ELEVATION	CONTOUR AREA (SF FT)	DEPTH (FT)	INCREMENTAL VOLUME AVG. END (CU. FT)	CUMULATIVE VOLUME AVG. END (CU. FT)
62.000	5,584.75	N/A	N/A	0.00
63.000	7,179.62	1.000	6382.18	6382.18
64.000	10,825.06	1.000	9002.34	15384.52
65.000	17,115.76	1.000	13970.41	29354.93

FOREBAY VOLUME

CONTOUR ELEVATION	CONTOUR AREA (SQ FT)	DEPTH (FT)	INCREMENTAL VOLUME AVG. END (CU. FT)	CUMULATIVE VOLUME AVG. END (CU. FT)
62.500	108.35	N/A	N/A	0.00
63.000	195.47	0.500	75.96	75.96
64.000	458.79	1.000	327.13	403.09

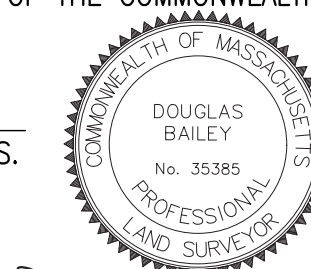


**SECTION A-A
BIO-RETENTION SWALE
SPILLWAY DETAIL
NOT TO SCALE**

PIPE DIA.	12"
A	10'-0"
B	7'-6"
C	2'-6"
D	3'-0"
E	4'-0"

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN PREPARED IN CONFORMANCE WITH THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS OF THE COMMONWEALTH OF MASSACHUSETTS.

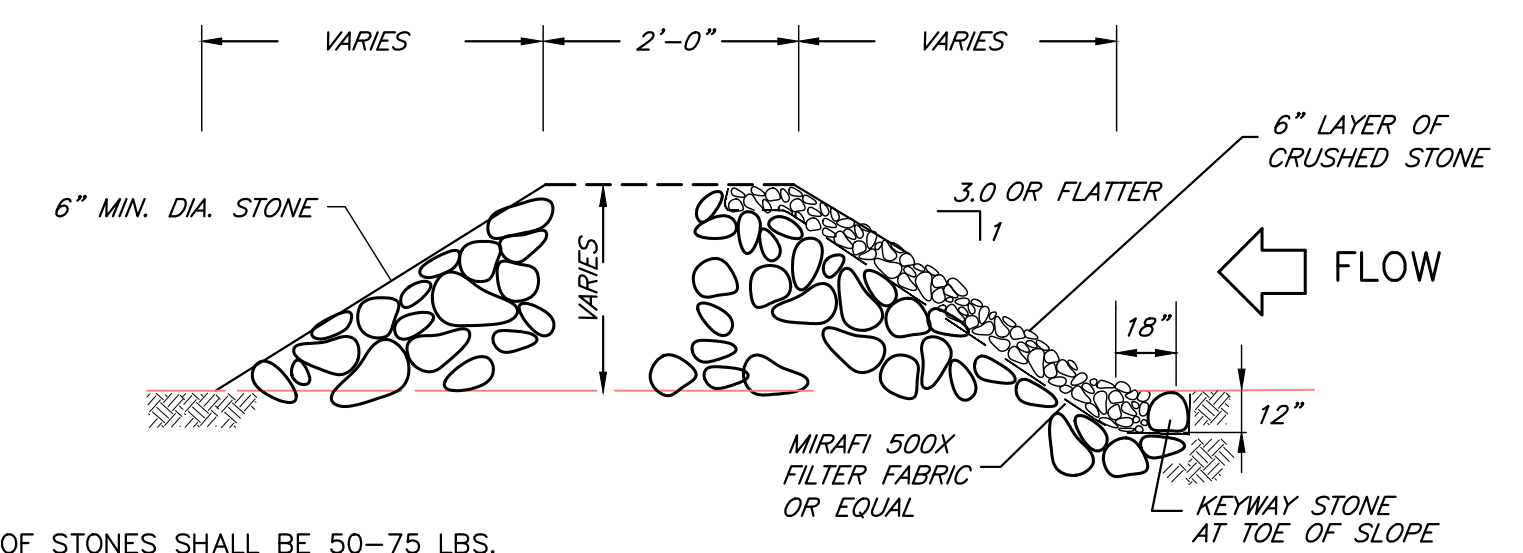
DOUGLAS BAILEY, P.L.S.



Douglas Bailey

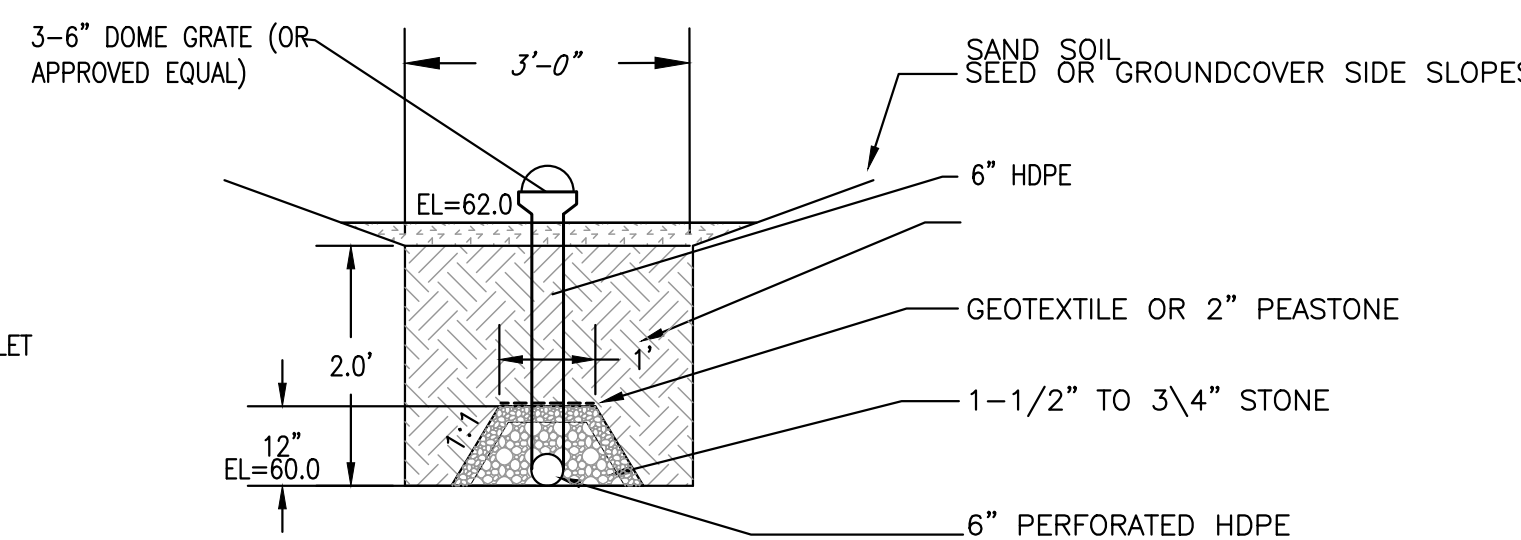
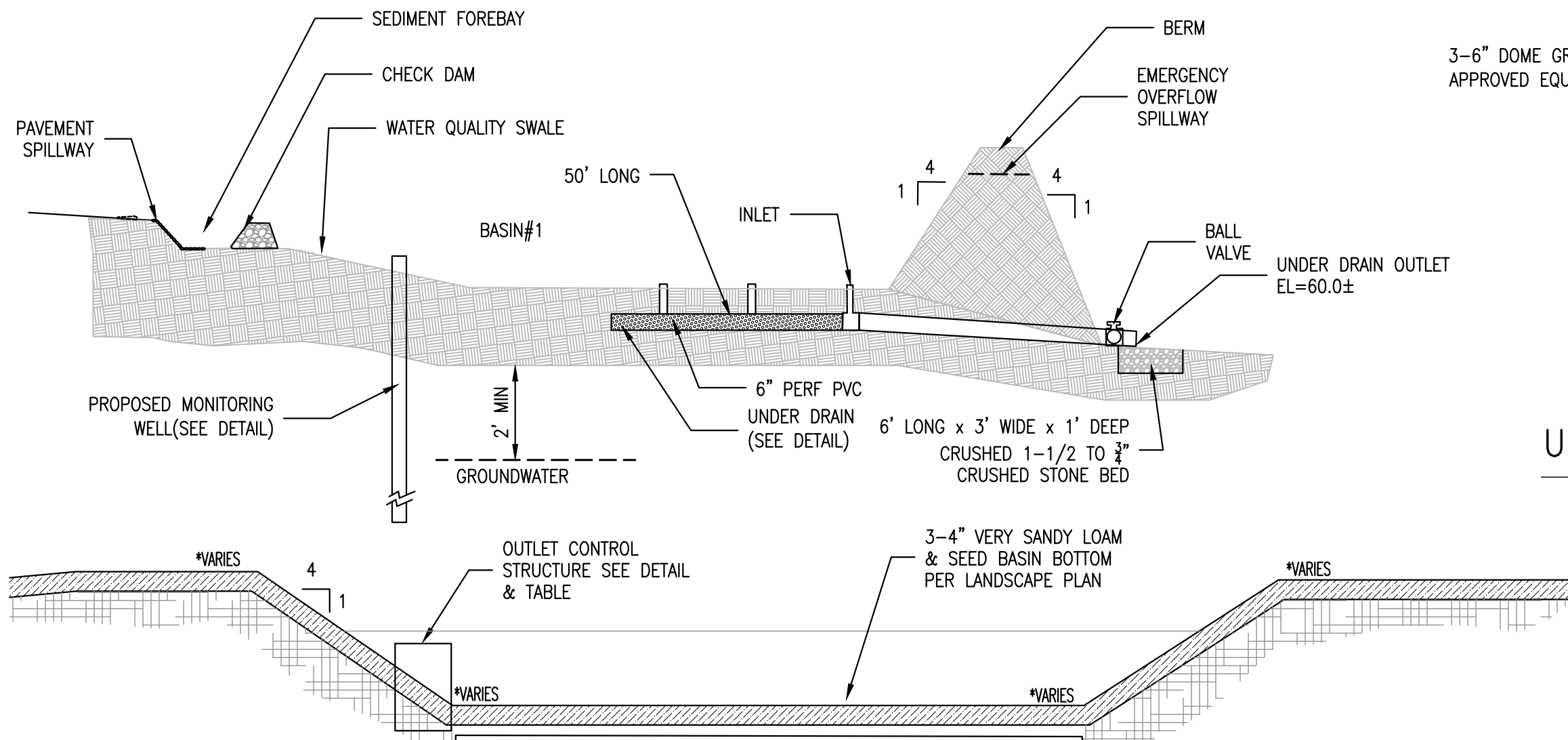
DATE

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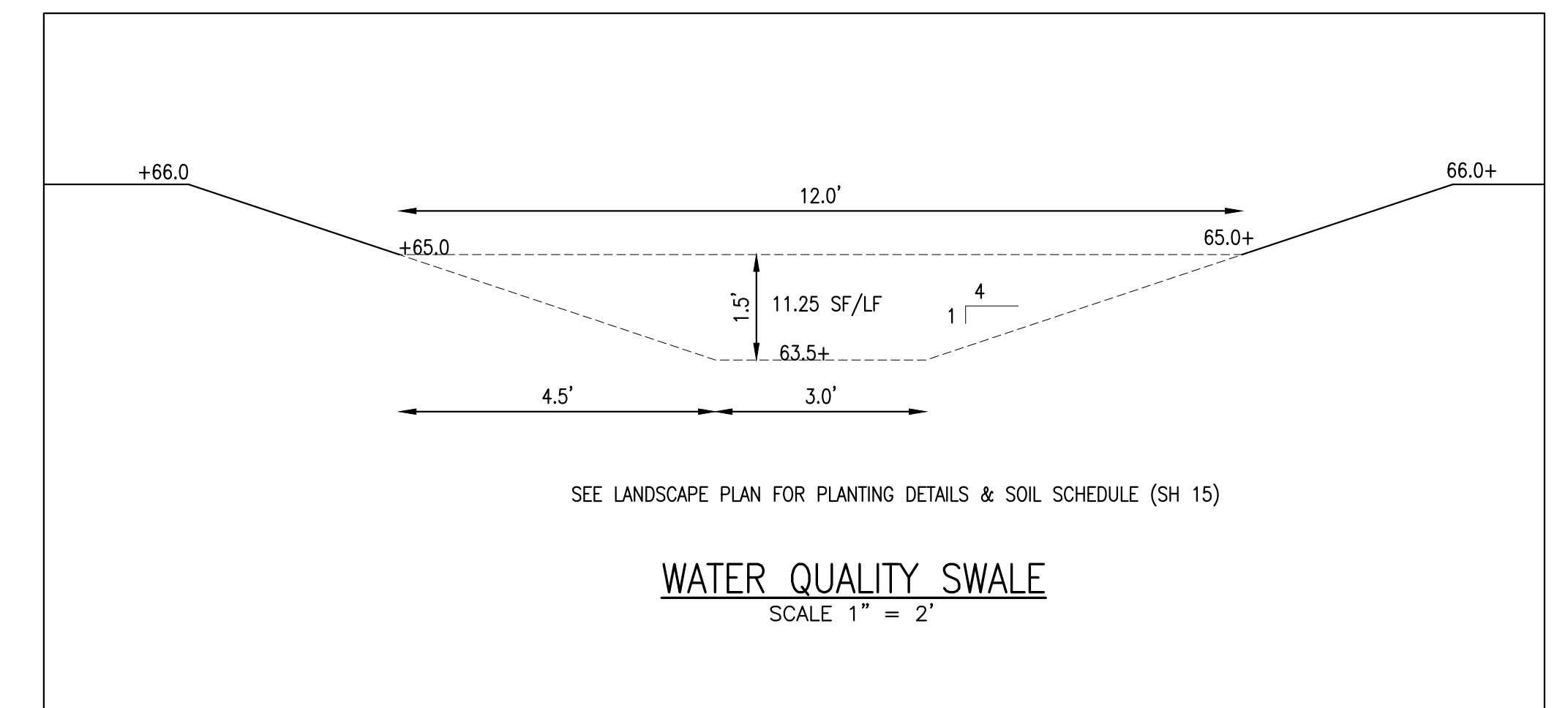


75% OF STONES SHALL BE 50-75 LBS. AND AS NEARLY RECTANGULAR AS POSSIBLE.

**DETAIL - CHECK DAM
(NOT TO SCALE)**



**UNDER DRAIN CROSS SECTION DETAIL
(NOT TO SCALE)**



SEE LANDSCAPE PLAN FOR PLANTING DETAILS & SOIL SCHEDULE (SH 15)

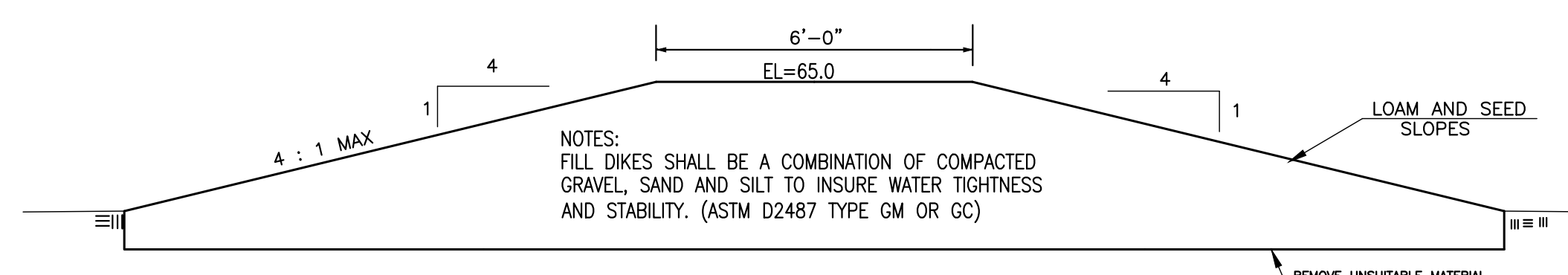
**WATER QUALITY SWALE
SCALE 1" = 2'**

REMOVE AND REPLACE TOP AND SUBSOIL TO LOAMY SAND LAYER. REPLACE WITH SAND. EXCAVATION TO BE INSPECTED BY GRADY CONSULTING L.L.C. PRIOR TO SOIL REPLACEMENT. SITE BORROW MAY BE ACCEPTABLE WITH SIEVE ANALYSIS MEETING TEXTURAL TRIANGLE PER 310 CMR 15.243 (SAND)

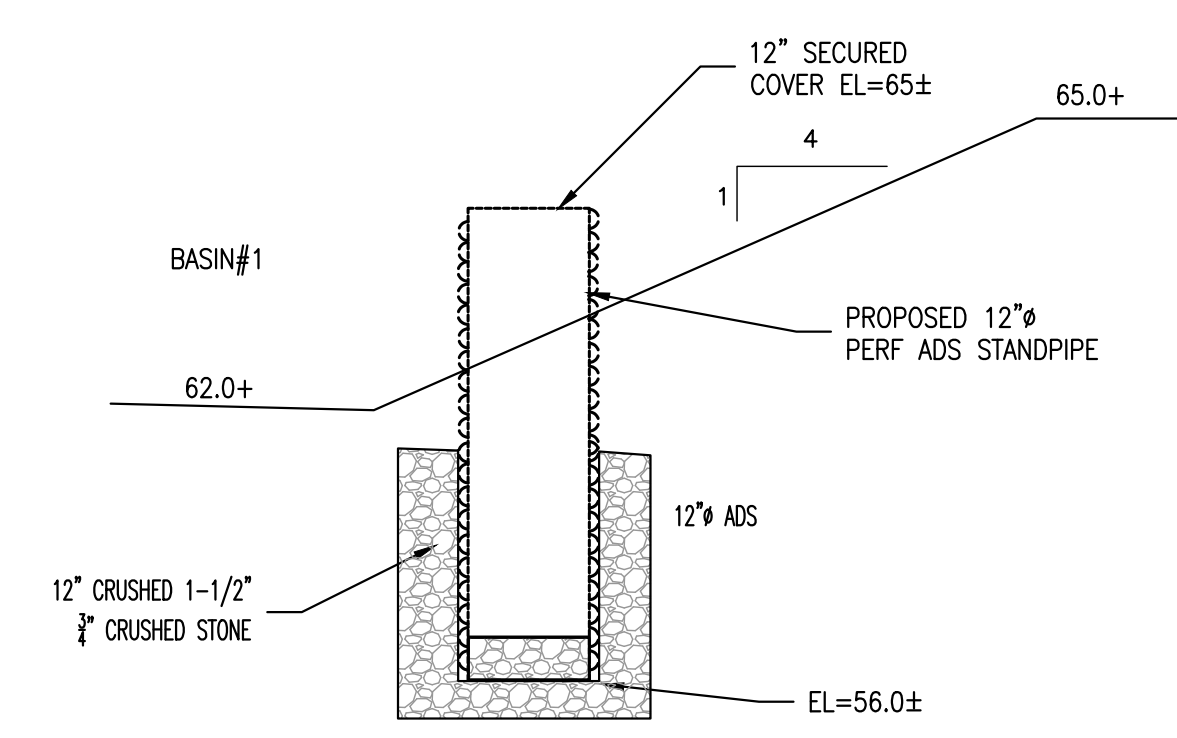
GW EL = *VARIES

ELEVATION TABLE			
BASIN	BOTTOM BASIN	BASIN TOP BERM	GROUNDWATER
1	62.0	65.0	57.85(TH D-7)

**BASIN DETAIL
NOT TO SCALE**



**BERM DETAIL
(NOT TO SCALE)**



**MONITORING WELL
(NOT TO SCALE)**

HP STORM TRENCH INSTALLATION DETAIL

TABLE 1. RECOMMENDED MINIMUM TRENCH WIDTHS

PIPE DIA.	MIN. TRENCH WIDTH
12"	24"
18"	36"
24"	48"
30"	60"
36"	72"
42"	84"
48"	96"
54"	108"
60"	120"
66"	132"
72"	144"
78"	156"
84"	168"
90"	180"
96"	192"
102"	204"
108"	216"
114"	228"
120"	240"

TABLE 2. MINIMUM RECOMMENDED COVER BASED ON VEHICLE LOADING CONDITIONS

PIPE DIA.	SURFACE LEVEL LOADING CONDITION	
	HAZ	REAR
12"	15"	12"
18"	20"	16"
24"	25"	20"
30"	30"	24"
36"	35"	28"
42"	40"	32"
48"	45"	36"
54"	50"	40"
60"	55"	44"
66"	60"	48"
72"	65"	52"
78"	70"	56"
84"	75"	60"
90"	80"	64"
96"	85"	68"
102"	90"	72"
108"	95"	76"
114"	100"	80"
120"	105"	84"

NOTES:

- ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D221, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THE NONPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS". LATEST EDITION, WITH THE EXCEPTION THAT THE INITIAL BACKFILL MAY EXTEND TO THE CROWN OF THE PIPE. PIPE CLASSIFICATIONS ARE PER THE LATEST VERSION OF ASTM D221. CLASS IV MATERIALS (MFL, CH) AS DEFINED IN PREVIOUS VERSIONS OF ASTM D221 ARE NOT APPROPRIATE BACKFILL MATERIALS.
- MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
- FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL, AS SPECIFIED BY THE ENGINEER, AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
- BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II, III, OR IV. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIALS SPECIFICATION TO ENGINEER. COMPACTION SHALL BE SPECIFIED BY THE ENGINEER IN ACCORDANCE WITH TABLE 3 FOR THE APPLICABLE FILL HEIGHTS LISTED, UNLESS OTHERWISE NOTED BY THE ENGINEER. MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 12" (300mm) DIAMETER PIPE, 4" (100mm) (300mm) DIAMETER PIPE, 4" (100mm) (300mm) DIAMETER PIPE, THE MIDDLE 1/3 BENEATH THE PIPE INVERT SHALL BE LOOSELY PLACED. PLEASE NOTE, CLASS IV MATERIAL HAS LIMITED APPLICATION AND CAN BE DIFFICULT TO PLACE AND COMPACT. USE ONLY WITH THE APPROVAL OF A SOIL EXPERT.
- INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II, III, OR IV IN THE PIPE ZONE EXTENDING TO THE CROWN OF THE PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D221, LATEST EDITION. COMPACTION SHALL BE SPECIFIED BY THE ENGINEER IN ACCORDANCE WITH TABLE 3 FOR THE APPLICABLE FILL HEIGHTS LISTED. PLEASE NOTE, CLASS IV MATERIAL HAS LIMITED APPLICATION AND CAN BE DIFFICULT TO PLACE AND COMPACT. USE ONLY WITH THE APPROVAL OF A SOIL EXPERT.
- MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" (300mm) FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOTTATION. FOR TRAFFIC APPLICATIONS, CLASS I OR MATERIAL, COMPACTED TO 90% SPD AND CLASS II COMPACTED TO 90% SPD IS REQUIRED. COVER FOR 12" (300mm) DIAMETER PIPE, IS 12" (300mm) UP TO 14" (350mm) DIAMETER PIPE, AND 20" (500mm) OF OR TO TOP OF RIGID PAVEMENT.
- FOR ADDITIONAL INFORMATION SEE TECHNICAL NOTE 2.04.

TABLE 3. MINIMUM RECOMMENDED COVER BASED ON VEHICLE LOADING CONDITIONS

PIPE DIA.	SURFACE LEVEL LOADING CONDITION	
	HAZ	REAR
12"	15"	12"
18"	20"	16"
24"	25"	20"
30"	30"	24"
36"	35"	28"
42"	40"	32"
48"	45"	36"
54"	50"	40"
60"	55"	44"
66"	60"	48"
72"	65"	52"
78"	70"	56"
84"	75"	60"
90"	80"	64"
96"	85"	68"
102"	90"	72"
108"	95"	76"
114"	100"	80"
120"	105"	84"

ADDITIONAL NOTES:

ADVANCED DRAINAGE SYSTEMS, INC. (ADS) HAS PREPARED THIS DETAIL BASED ON INFORMATION PROVIDED TO ADS. THIS DRAWING IS INTENDED TO MEET THE REQUIREMENTS OF THE COMMONWEALTH OF MASSACHUSETTS. THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL IN NATURE AND ARE NOT INTENDED TO BE USED FOR ANY OTHER PROJECT. THE DESIGN ENGINEER SHALL BE RESPONSIBLE FOR THE APPLICABLE NATIONAL, STATE, OR LOCAL REGULATIONS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.

TRENCH INSTALLATION DETAIL (HP SYSTEM)

DRAWING NUMBER: STD-1010

DATE: 01/11/17

DESIGNER: BMM

CHECKER: BMM

DATE: 01/11/17

SCALE: AS SHOWN

PROJECT: RESIDENTIAL COMPOUND DEVELOPMENT SUBDIVISION

LOCATION: 0 & 483 COUNTRY WAY, SCITUATE, MA 02066

SPECIAL PERMIT PLAN
RESIDENTIAL COMPOUND
DEVELOPMENT SUBDIVISION
0 & 483 COUNTRY WAY
SCITUATE, MASSACHUSETTS

PREPARED FOR:
BRADFORD A. MERRITT
493 COUNTRY WAY
SCITUATE, MA 02066

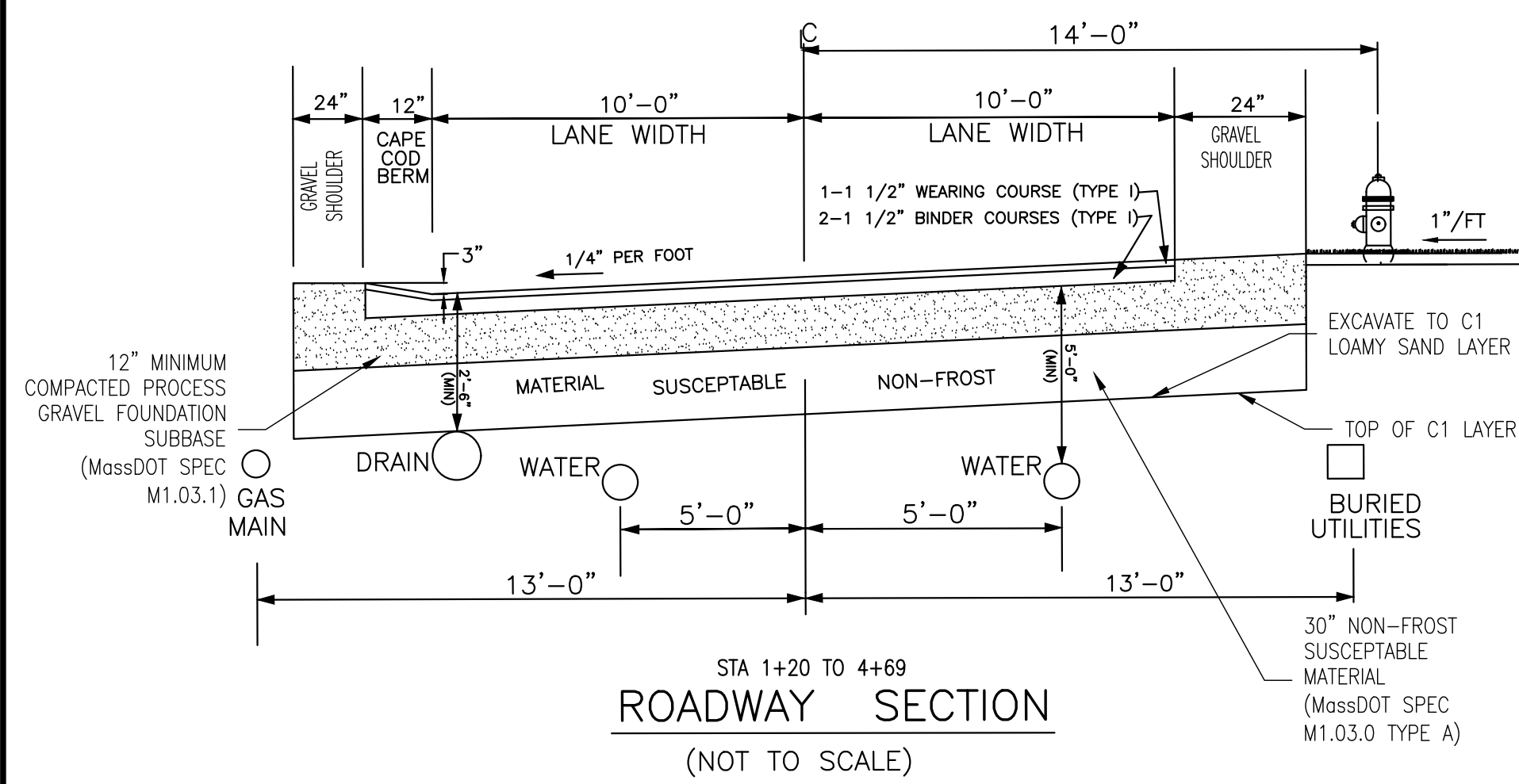
MAY 28, 2019
SCALE: AS NOTED
JOB No. 18-312

GRADY CONSULTING, L.L.C.
Civil Engineers, Land Surveyors &
Landscape Architects
71 Evergreen Street, Suite 1, Kingston, MA 02364
Phone (781) 585-2300 Fax (781) 585-2378

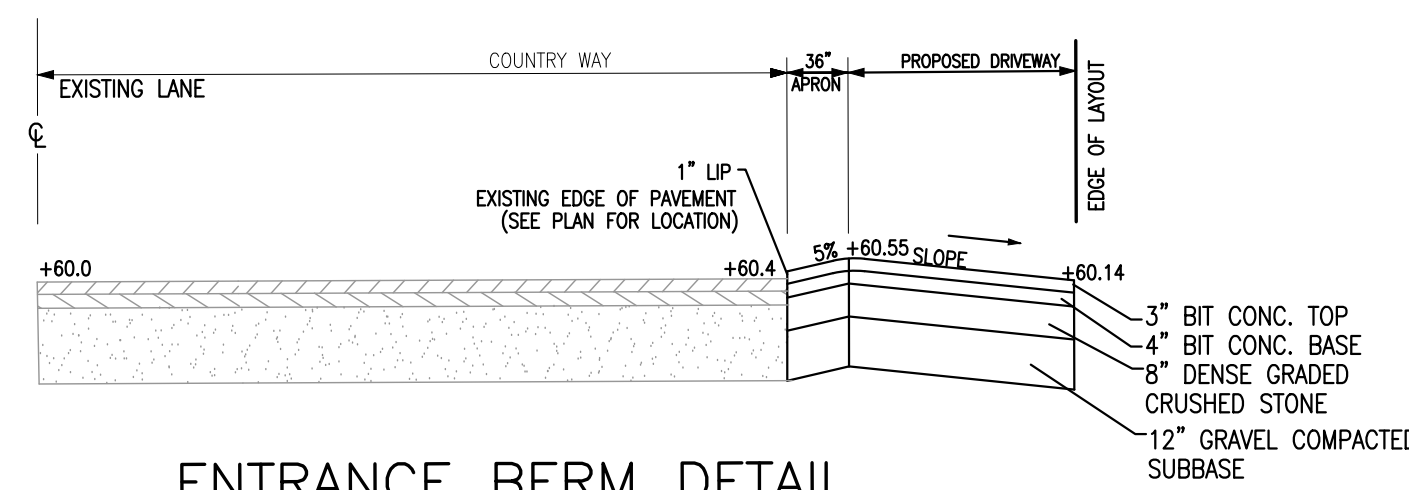


DETAILS

NOTE: STATION -0+12 TO STA 1+20 SHALL HAVE CAPE COD BERM ON BOTH SIDES OF THE DRIVEWAY AND SHALL BE CROWNED FROM THE CENTERLINE TO THE SHOULDERS.
STA 1+20 TO STA 4+69 SHALL BE SUPERELEVATED AS SHOWN



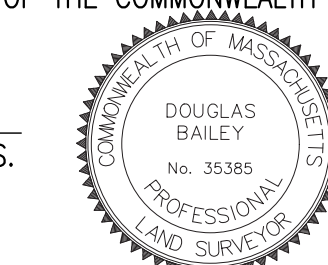
STA 1+20 TO 4+69
ROADWAY SECTION
(NOT TO SCALE)



ENTRANCE BERM DETAIL
(NOT TO SCALE)
NOTES:
1. ANY HIGHWAY BOUNDS MISSING OR DAMAGED WITHIN THE WORK AREA SHALL BE REPLACED

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN PREPARED IN CONFORMANCE WITH THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS OF THE COMMONWEALTH OF MASSACHUSETTS.

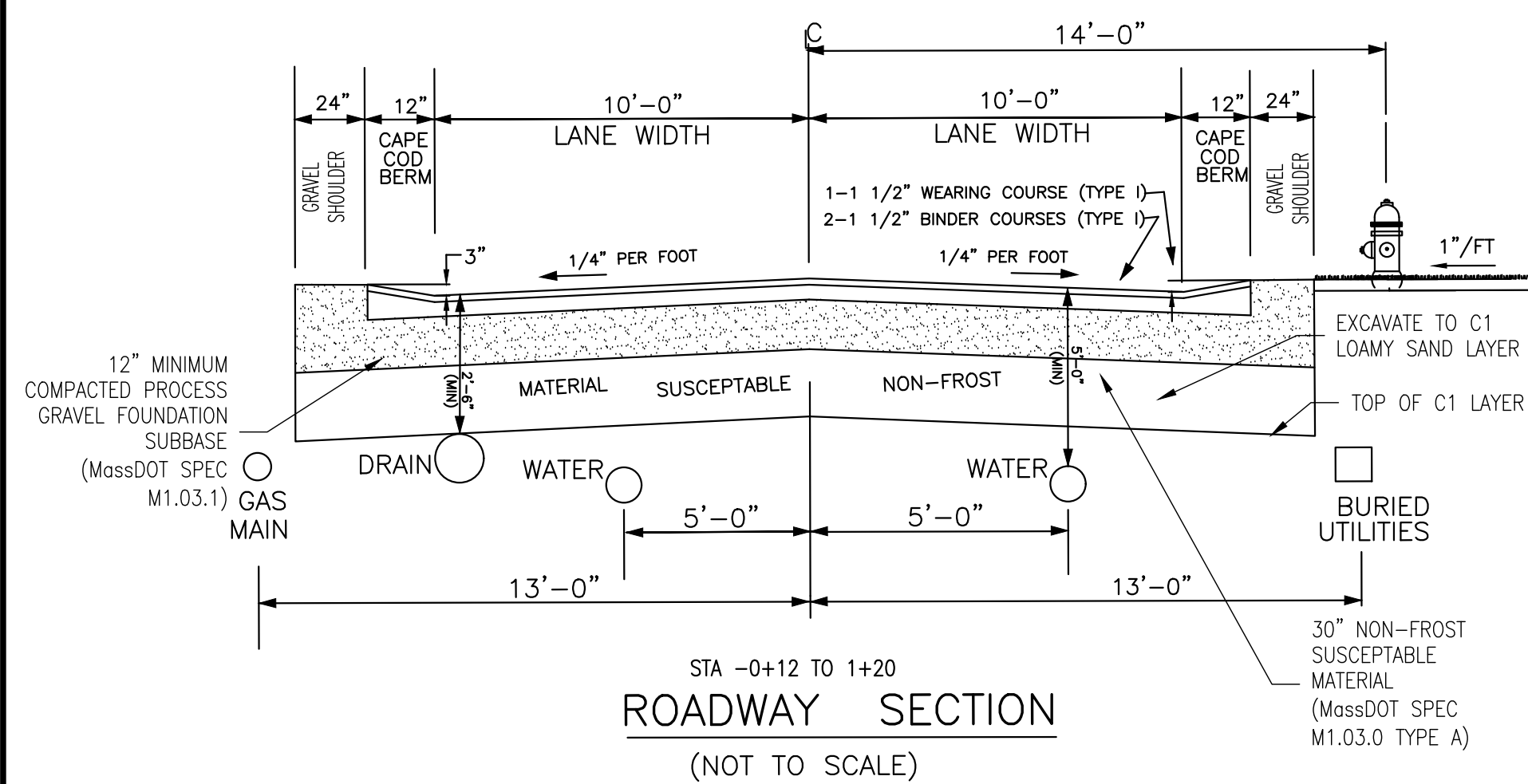
DOUGLAS BAILEY, P.L.S.



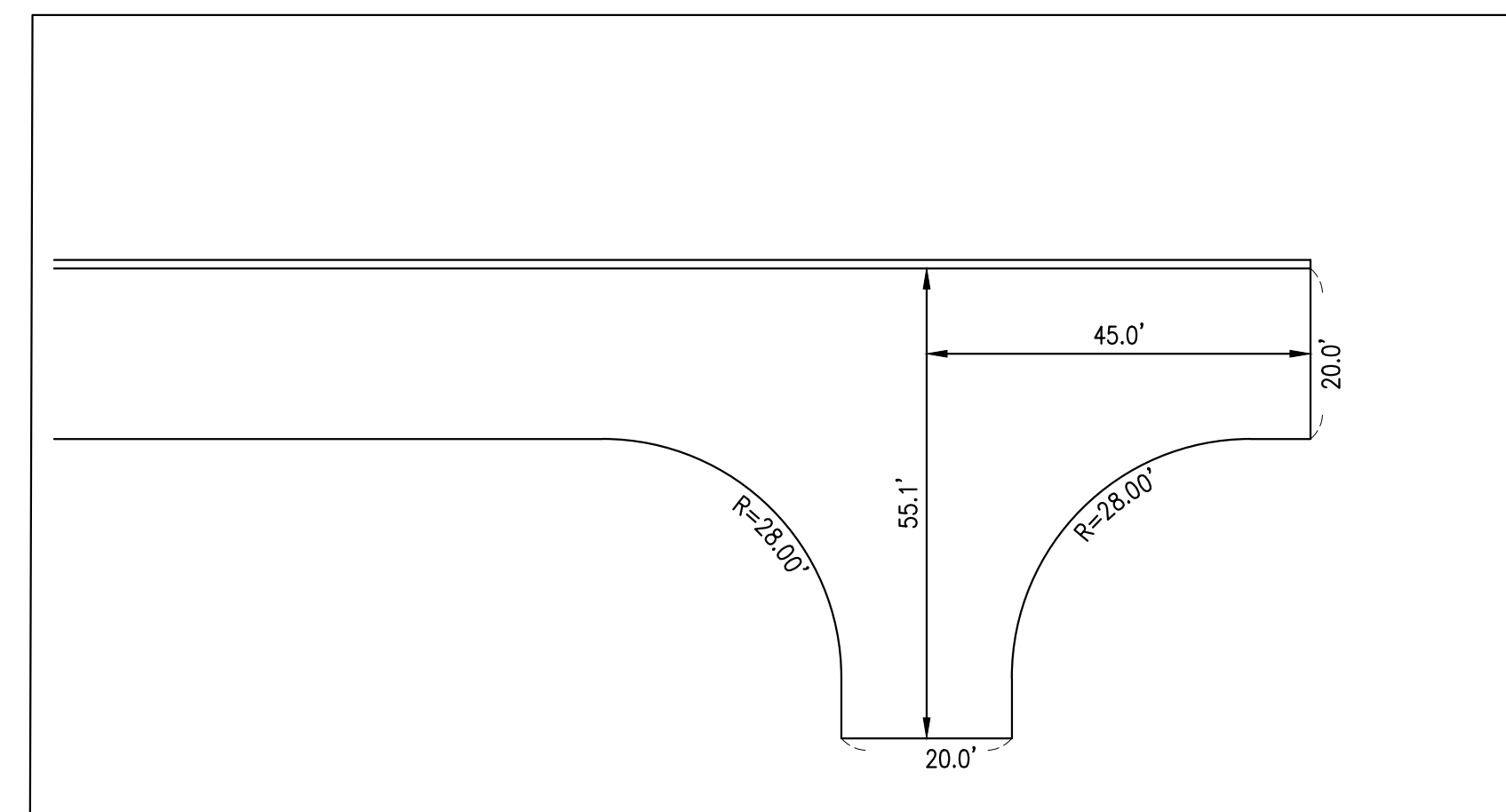
Douglas Bailey

DATE

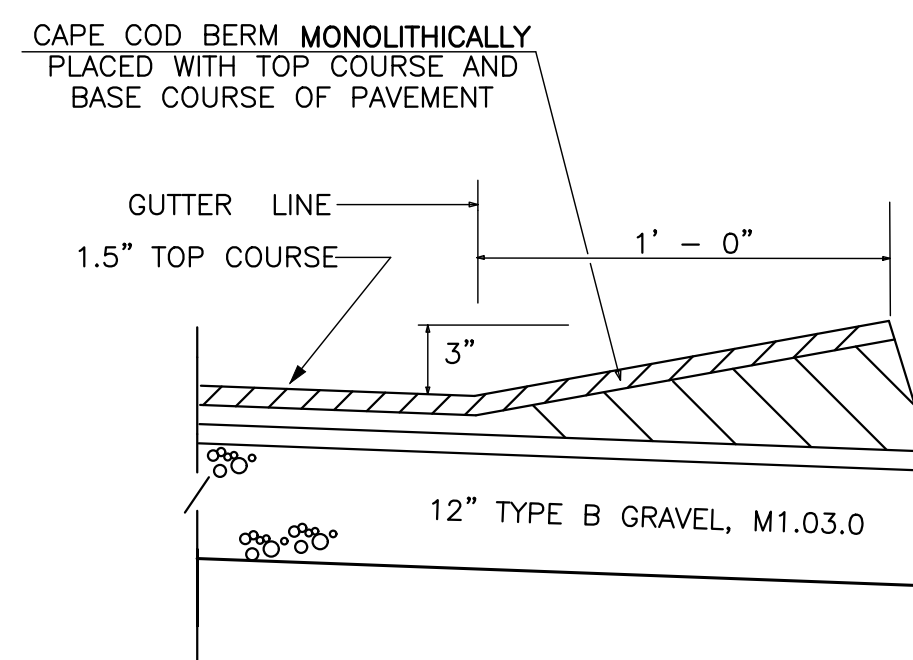
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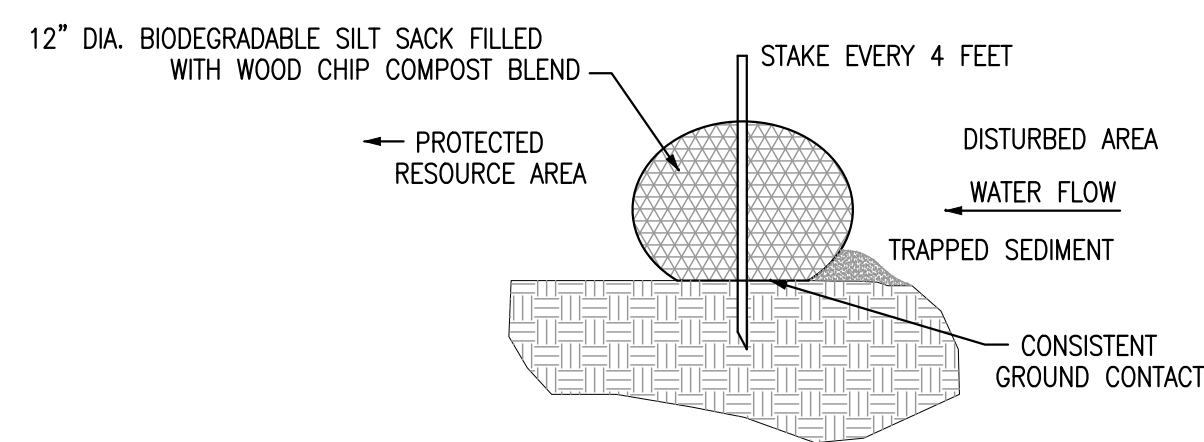
STA -0+12 TO 1+20
ROADWAY SECTION
(NOT TO SCALE)



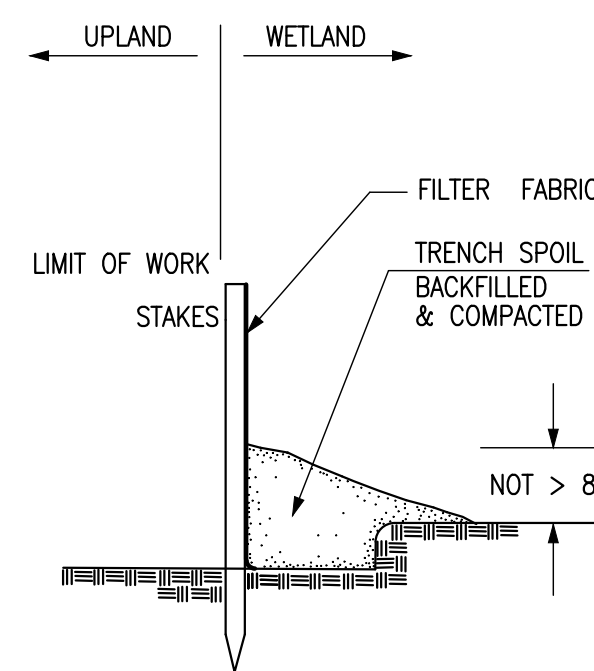
PROPOSED EMERGENCY VEHICLE TURNAROUND
SCALE 1"=20'



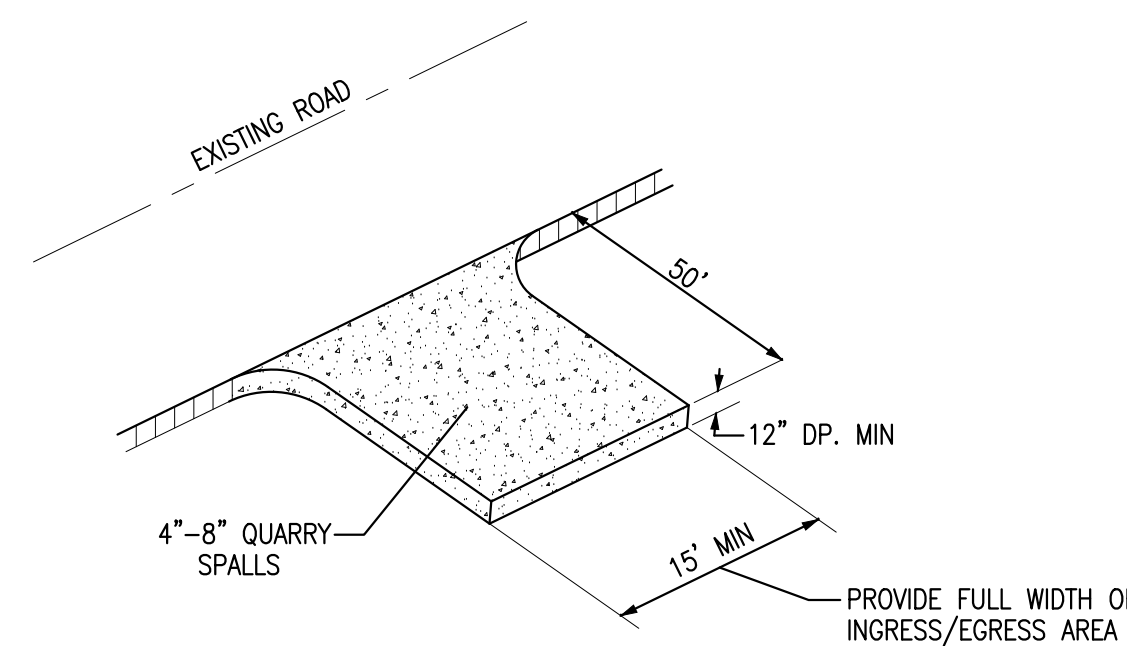
CAPE COD BERM DETAIL
(NOT TO SCALE)



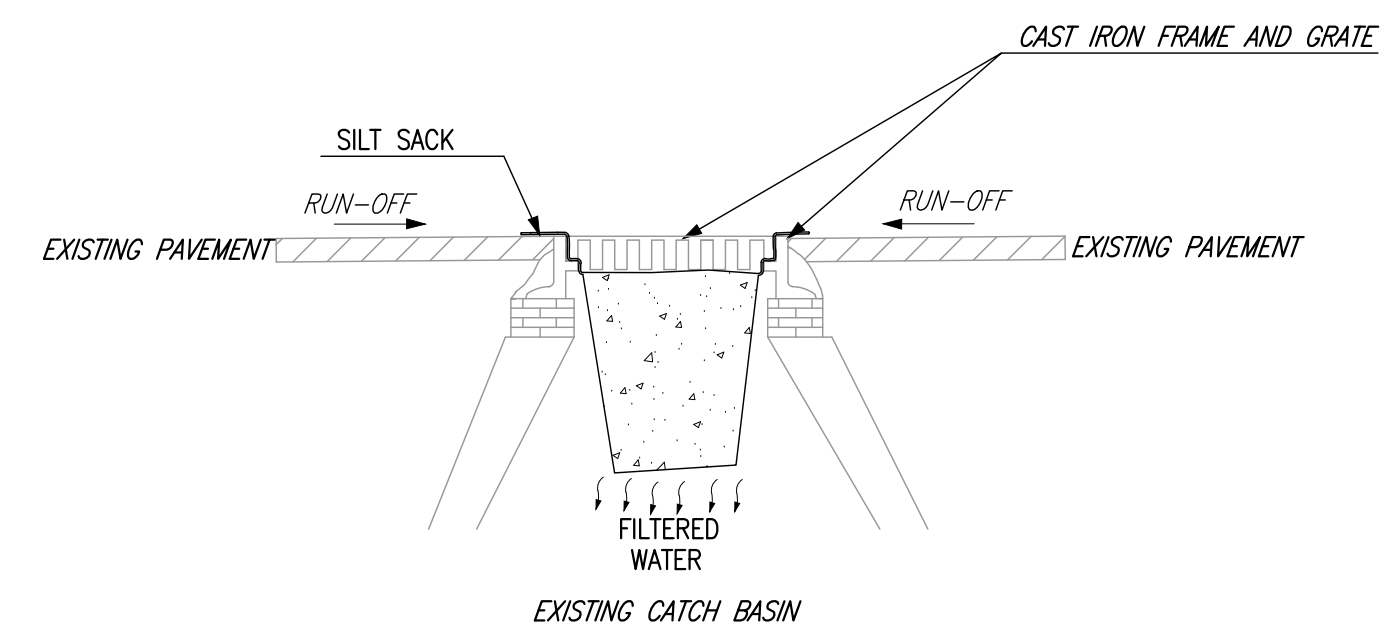
SILT SOCK DETAIL
NOT TO SCALE



SILT FENCE/TURTLE BARRIER (CONSTRUCTION PHASE)
(NOT TO SCALE)



CRUSHED STONE CONSTRUCTION ENTRANCE
(NOT TO SCALE)



NOTE: SILT SACKS SHALL BE INSPECTED DAILY AND SILT SHALL BE REMOVED WHEN ACCUMULATED TO ALLOW CATCH BASIN TO FUNCTION PROPERLY. REMOVE PERMANENTLY WHEN SITE STABILIZATION HAS OCCURRED.

SILT SACK
(NOT TO SCALE)



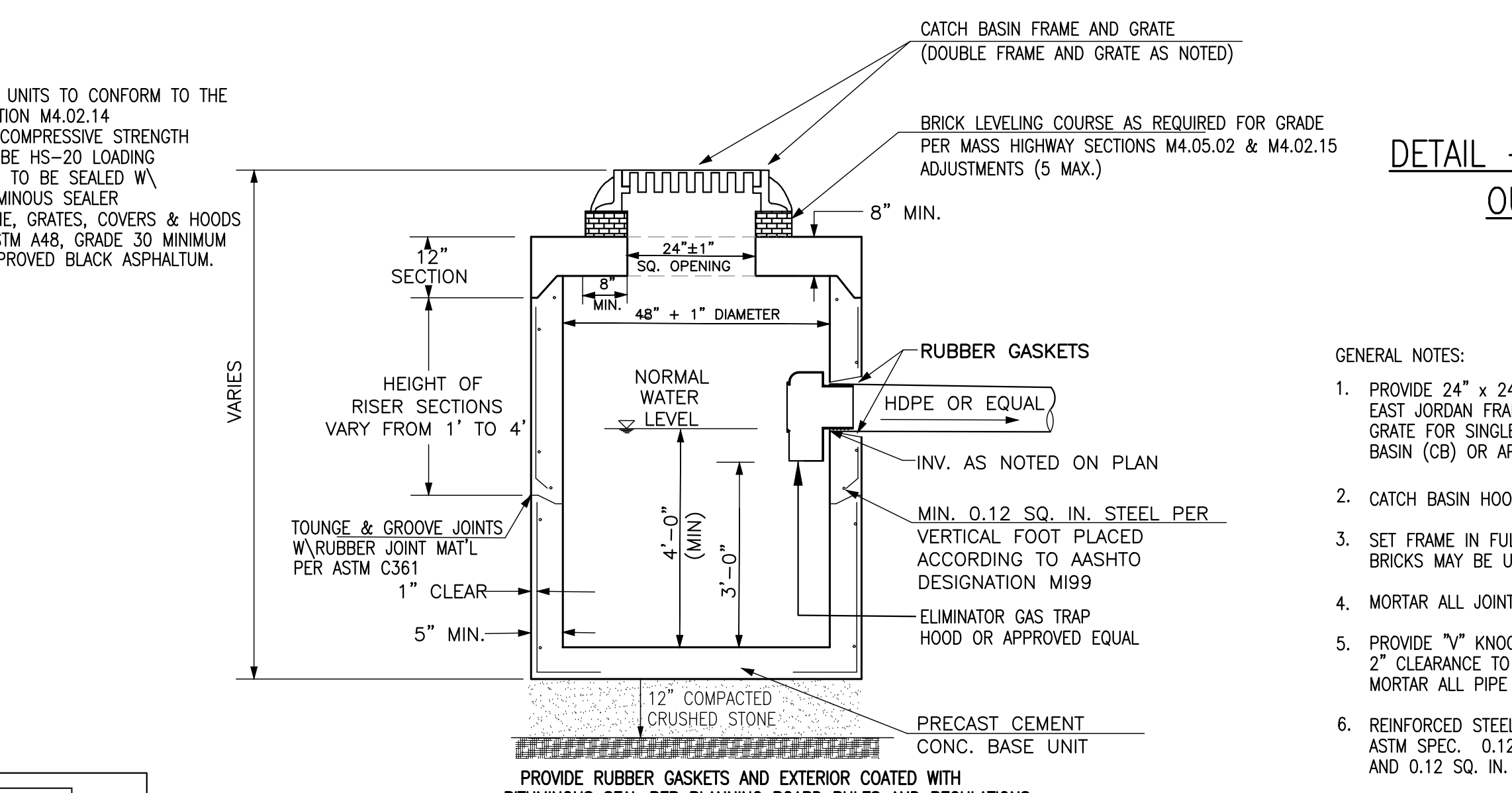
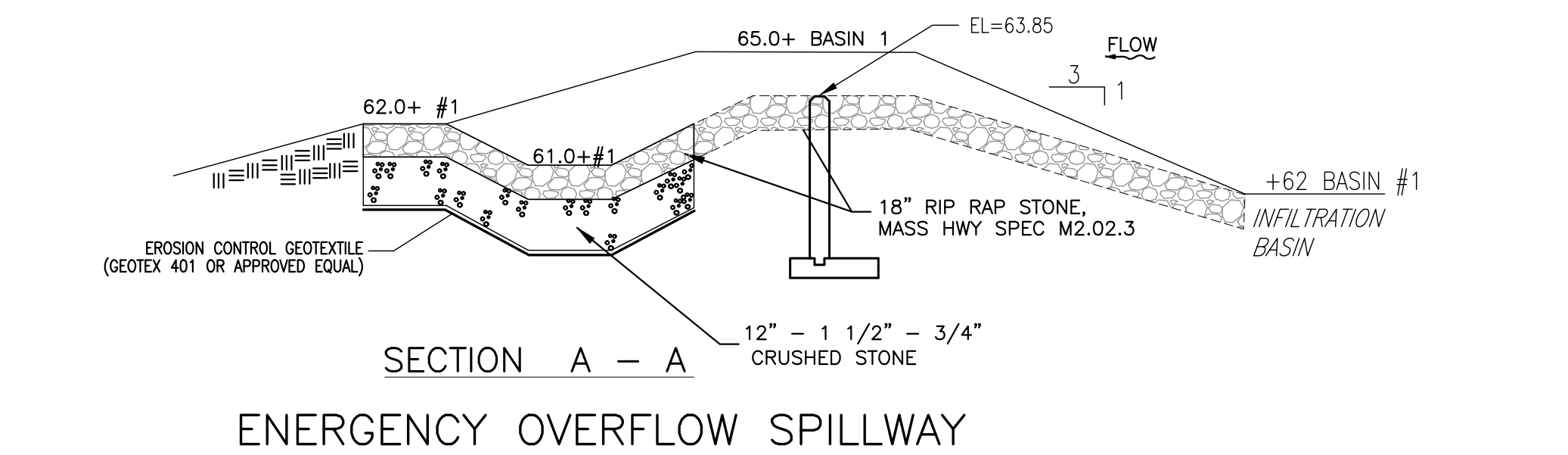
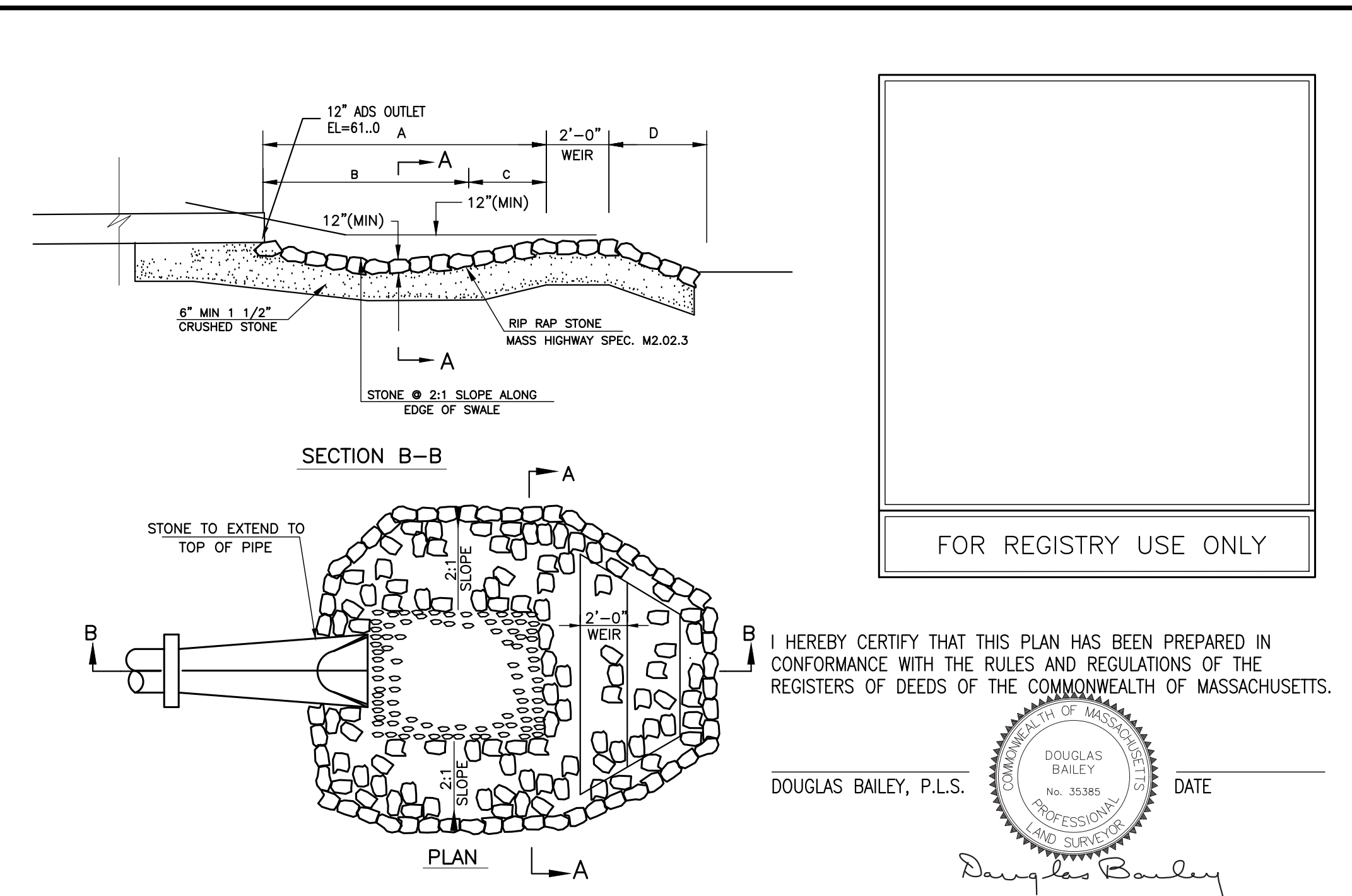
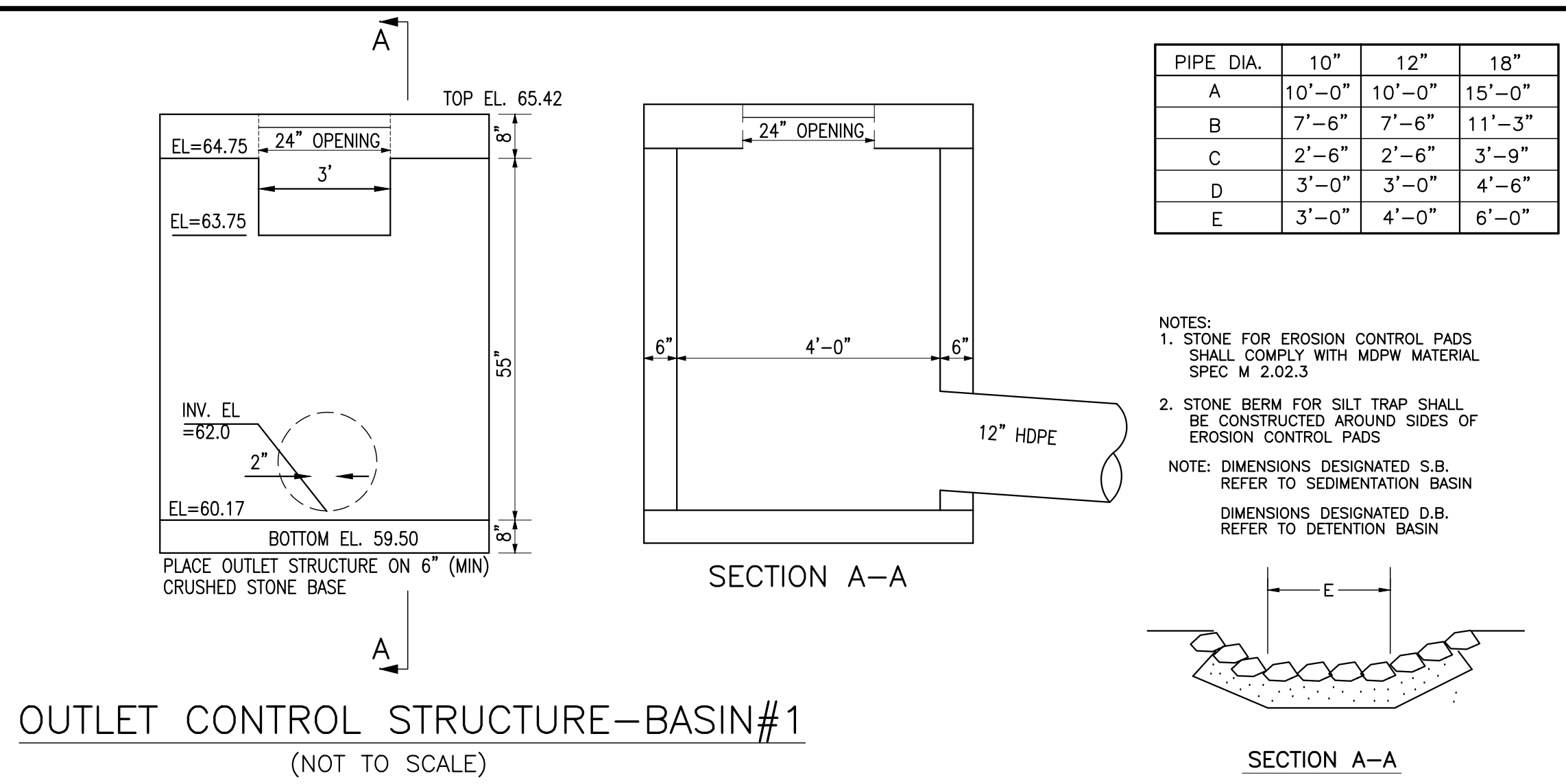
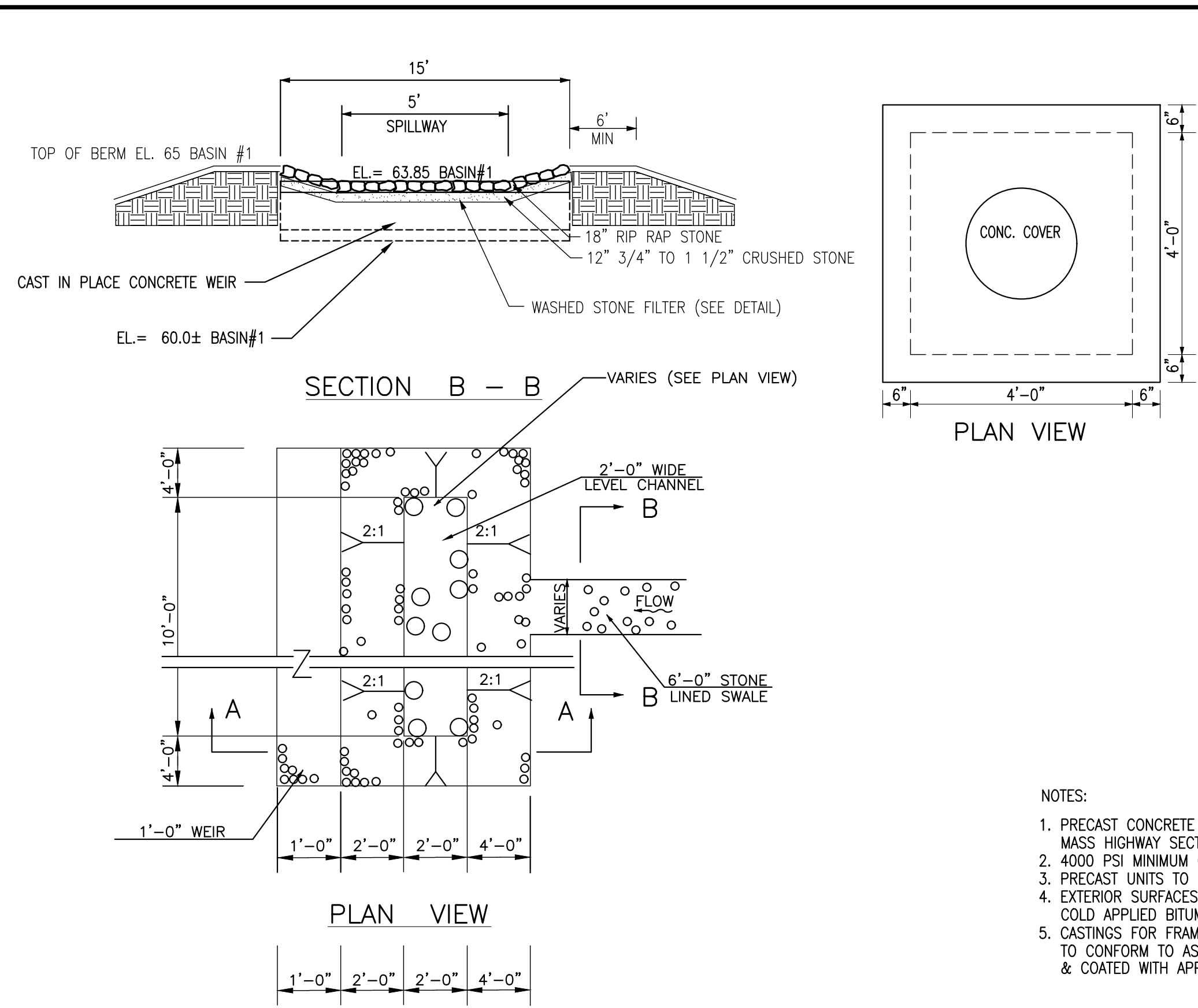
SPECIAL PERMIT PLAN
RESIDENTIAL COMPOUND
DEVELOPMENT SUBDIVISION
0 & 483 COUNTRY WAY
SCITUATE, MASSACHUSETTS

PREPARED FOR:
BRADFORD A. MERRITT
493 COUNTRY WAY
SCITUATE, MA 02066

MAY 28, 2019
SCABENOTED
JOB No. 18-312

GRADY CONSULTING, L.L.C.
Civil Engineers, Land Surveyors &
Landscape Architects
71 Evergreen Street, Suite 1, Kingston, MA 02364
Phone (781) 585-2300 Fax (781) 585-2378

DETAILS



DETAIL - SILT TRAP, EROSION CONTROL PAD FROM OUTLET CONTROL STRUCTURE BASIN #1
(NOT TO SCALE)

GENERAL NOTES:

- PROVIDE 24" x 24" OPENING AND EAST JORDAN FRAME AND GRATE FOR SINGLE GRATE CATCH BASIN (GB) OR APPROVED EQUAL.
- CATCH BASIN HOOD WILL NOT BE INSTALLED.
- SET FRAME IN FULL BED OF MORTAR. BRICKS MAY BE USED FOR GRADE ADJUSTMENT.
- MORTAR ALL JOINTS.
- PROVIDE "V" KNOCKOUTS FOR PIPES W/ 2" CLEARANCE TO OUTSIDE OF PIPE. MORTAR ALL PIPE CONNECTIONS.
- REINFORCED STEEL CONFORMS TO LATEST ASTM SPEC. 0.12 SQ. IN. LINEAR FT. AND 0.12 SQ. IN. (BOTH WAYS) BASE BOTTOM.
- CONCRETE COMPRESSIVE STRENGTH-4000 PSI MIN.
- MANHOLE DESIGN SPECS CONFORM TO LATEST ASTM C-478 SPEC FOR "PRECAST CONCRETE MANHOLE SECTIONS"

FOR REGISTRY USE ONLY

HEREBY CERTIFY THAT THIS PLAN HAS BEEN PREPARED IN CONFORMANCE WITH THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS OF THE COMMONWEALTH OF MASSACHUSETTS.

DOUGLAS BAILEY, P.L.S. DATE

Douglas Bailey

New England Municipal and Construction Castings Massachusetts Municipal Manhole Frames and Covers

V-1600/V-1800 FRAMES AND COVERS

USE V-1800-2 OR APPROVED EQUAL

Catalog Number	A Cover Diameter	B Cover Thickness	C Clear Opening	D Frame Opening	E Flange Diameter	F Height
V-1600-1	19 1/4	1 1/2	18 1/4	19 1/2	24	4
V-1600-2	23 1/2	1 1/2	22	23 3/4	28 1/2	4
V-1600-3	25 3/8	1 1/2	24	25 5/8	32 1/8	4
V-1600-4	31 3/4	1 3/8	30	32 1/8	38	4
V-1600-5	38	2	36	38 1/4	46	6
V-1600-6	50 1/4	2	48	50 1/2	56 1/2	6
V-1800-1	19 1/4	1 1/2	18 1/4	20 1/2	24	4
V-1800-2	23 1/2	1 1/2	22	24 3/4	28 1/2	4

WWW.SCITUATECOMPANIES.COM

SCITUATE RAY PRECAST
120 CLAY PIT ROAD
MARSHFIELD, MA 02050
PHONE # 1-800-440-0009
FAX # 781-837-4320

CONTRACTOR: JOB NAME:
DATE: DRAWING: ST-3K-20 DRAWING BY: C. J. SCOTT

3,000 GALLON SEPTIC TANK

FLOOR	VERT. FT.	FLAT TOP
WEIGHT 10,000 lbs.	3,400 lbs.	13,000 lbs.
VOLUME	838 gal.	

DESIGN NOTES:

- CONCRETE 5,000 PSI. @ 28 DAYS
- HS-20-44 LOADING WITH 12" - 60" OF COVER
- REINFORCING ASTM A-615 GRADE 60
- CONST. JOINT TO HAVE MIN. 1" BUTYL SEALANT
- EXTERIOR BITUMINOUS COATING AS REQUIRED
- BOTTOM WEIGHT=18,000lbs./TOP WEIGHT=18,000lbs.

FLAT-TOP PRECAST GASOLINE TRAP CATCH BASIN
(NOT TO SCALE)

Massachusetts Municipal Drainage Frames and Grates

24" x 48" Grate Options

Grate Type	Product Number
Standard grate	0MA552000074
Square hole grate	0MA552000075
Cascade grate (left)	0MA552000076
Cascade grate (right)	0MA552000077
ADA grate	0MA552000078

Square Hole Grate	Product Number
4 3 flange (long flange deleted)	0MA544400003
4 3 flange (short flange deleted)	0MA544400101
4 4 flange	0MA544400004
8 3 flange (long flange deleted)	0MA552000066
8 3 flange (short flange deleted)	0MA552000233
8 4 flange	0MA552000067

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DETAILS



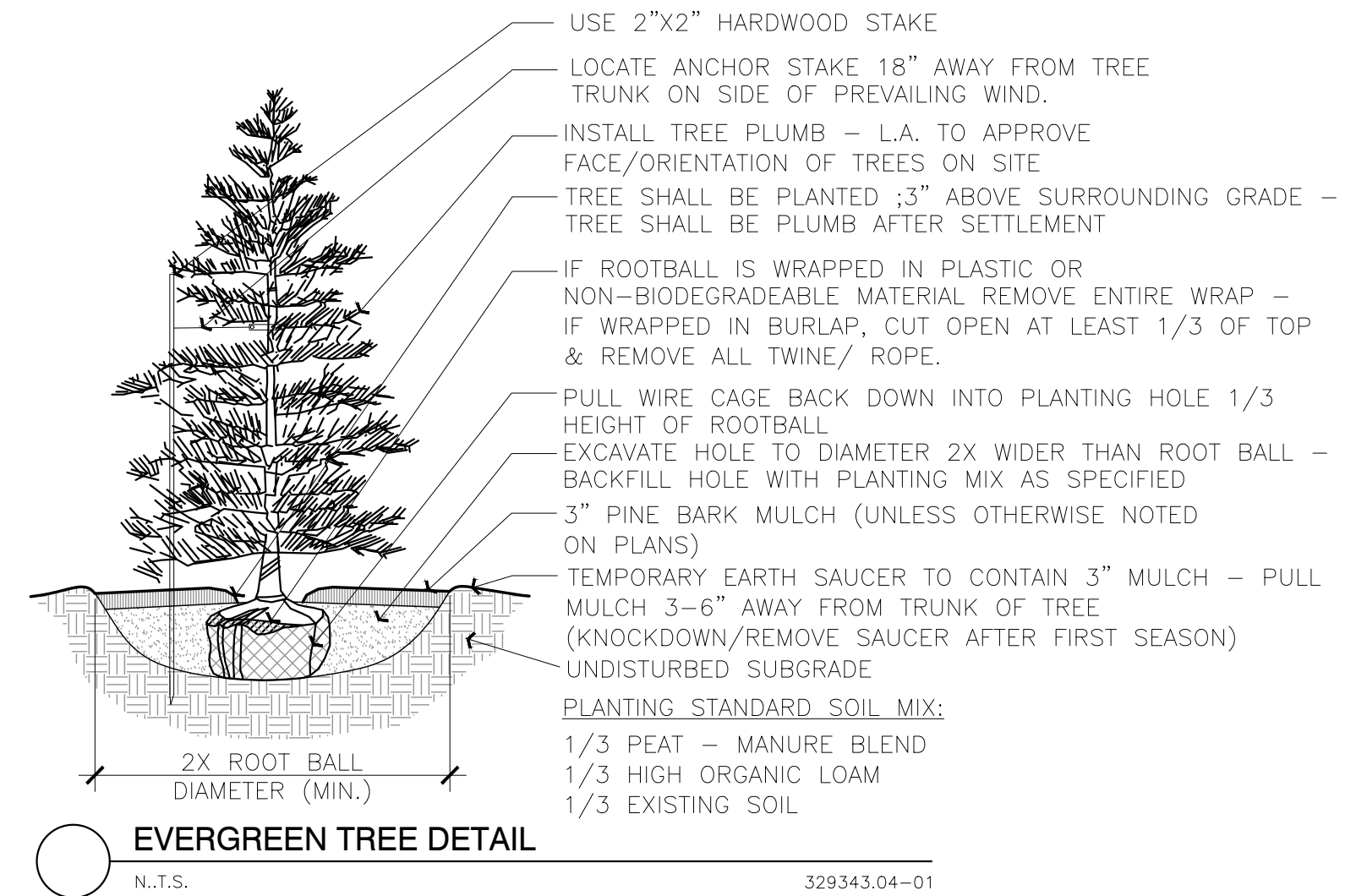
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DOUGLAS BAILEY, P.L.S. DATE _____

DOUGLAS BAILEY
PROFESSIONAL LAND SURVEYOR
No. 35385

KEVIN S. GRADY
CIVIL ENGINEER
No. 48264

FOR REGISTRY USE ONLY



PLANT SCHEDULE

2020-01-22 08:48

CLUMP TREES	QUANTITY
BETULA NIGRA / RIVER BIRCH MULTI-TRUNK	11
EVERGREEN TREES (B&B 6-7' HGT.)	43
PICEA ABIES / NORWAY SPRUCE	9
PICEA GLAUCA / WHITE SPRUCE	9
PINUS STROBUS / WHITE PINE	25
FLOWERING TREES (B&B 3" CAL.)	8
CORNUS FLORIDA / EASTERN DOGWOOD	4
PRUNUS CERASIFERA 'THUNDERCLOUD' / THUNDERCLOUD PLUM	4
PRUNUS SERRULATA 'KWANZAN' / FLOWERING CHERRY	4
PYRUS CALLERYANA 'CHANTICLEER' / CHANTICLEER PEAR	4
SYRINGA RETICULATA / JAPANESE TREE LILAC	4
SHADE TREES (B&B 3" CAL.)	16
ACER RUBRUM 'RED SUNSET' / RED SUNSET MAPLE	5
FRAXINUS PENNSYLVANICA / GREEN ASH	2
GLEDITSIA TRIACANTHOS INERMIS / THORNLESS COMMON HONEYLOCUST	5
TILIA CORDATA / LITTLELEAF LINDEN	2
ZELKOVA SERRATA 'GREEN VASE' / SAWLEAF ZELKOVA	2
LOW EVERGREEN SHRUBS (3 GAL. 18-24" HGT.)	367 SF
ILEX GLABRA 'SHAMROCK' / INKBERRY	12
JUNIPERUS CHINENSIS 'SARGENTII' / SARGANT JUNIPER	12

LOCATION	DEPTH	DESCRIPTION
GENERAL PLANTING BEDS	6"	1/3 PEAT - MANURE BLEND 1/3 HIGH ORGANIC LOAM 1/3 EXISTING SOIL
FLOWER BEDS	6"	SCREENED LOAM 1/3 PEAT - MANURE BLEND LIME - PELATIZED OR GROUND (50 LB. PER 100 SF.) GROUND BONE MEAL (50 LB. PER 100 SF.) 10-10-10 INORGANIC FERTILIZER (50 LB. PER 5000 SF.)
LAWNS - SOO & SEED & SWALES	6"	6" SCREENED LOAM (1/3 SAND, 2/3 LOAM)
PITS/TREE WELLS "STANDARD MIX" FOR BACKFILL	12"	SOIL MIX 'A' - 1/3 PEAT - MANURE BLEND 1/3 HIGH ORGANIC LOAM 1/3 EXISTING SOIL
PITS/TREE WELLS "LITE WEIGHT MIX"	12"	70% LIGHT WEIGHT SHALE 20% SAND 10% COMPOST
PITS/TREE WELLS "STRUCTURAL MIX"	12"	SOIL MIX 'C' - MIX COMPOSITION TO BE SUPPLIED BY LANDSCAPE ARCHITECT.

SCHEDULE OF TOPSOILS & ADDITIVES

N.T.S. 329301.03-01

SEED SCHEDULE

2020-01-22 11:04

GROUND COVERS	QTY	BOTANICAL / COMMON NAME	CONT. SEED SPACING
NE CON	19,537 SF	N.E. CONSERVATION / WILDLIFE MIX / LOAM, FINE GRADE & SEED	SEED
NE WET	588 SF	N.E. WETMIX / LOAM, FINE GRADE & SEED	SEED
NE RST	5,585 SF	N.E. RESTORATION MIX / LOAM, FINE GRADE & SEED	SEED

SEE SHEET 16 FOR SEED MIX DETAILS AND PLANT LIST

- NOTE:**
- SEE SHEET 10 FOR POST AND RAIL FENCE DETAIL
 - SEE SHEET 11 FOR SIGN INFORMATION
 - SEE SHEET 16 FOR SEED INFORMATION

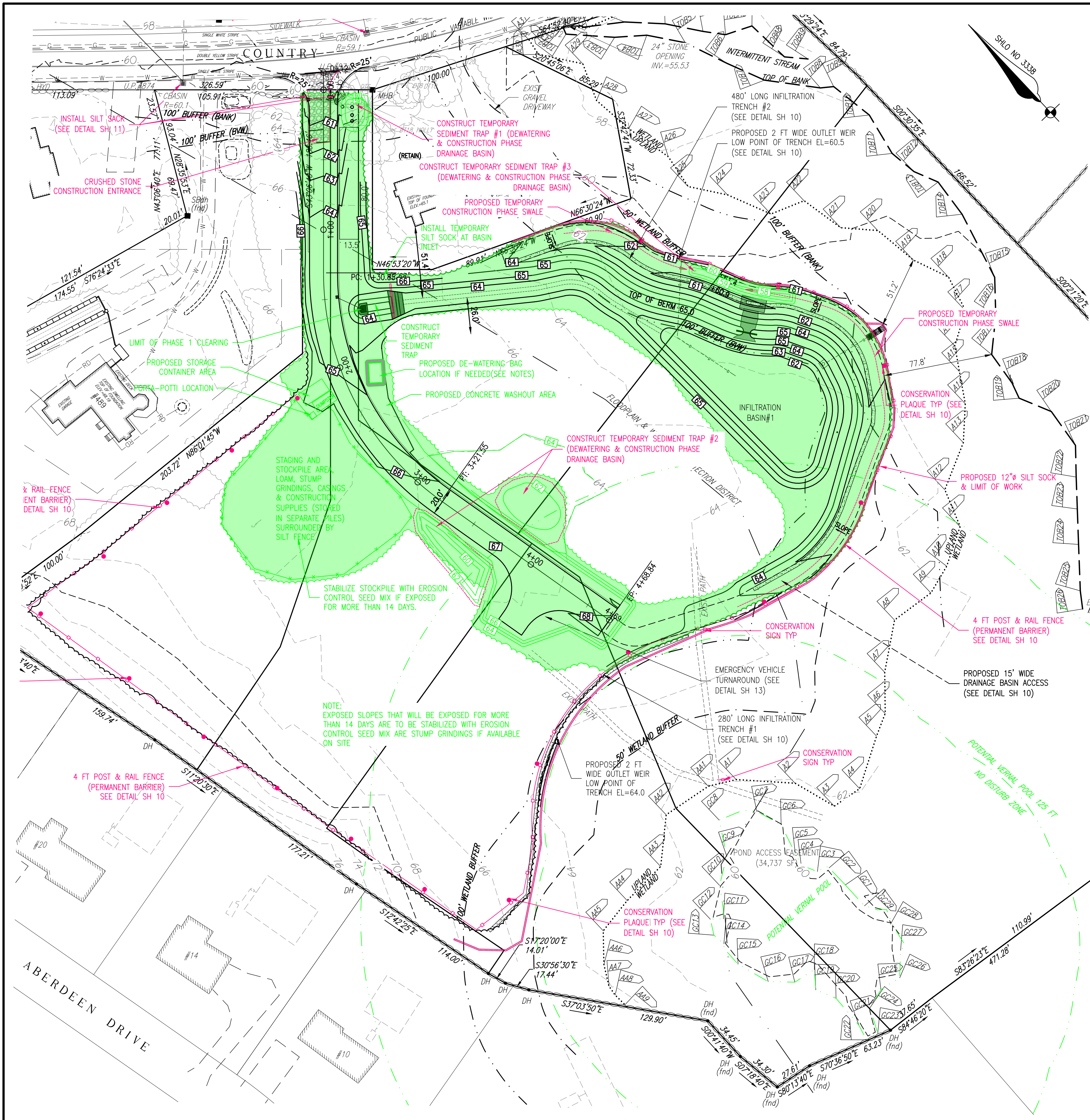
SPECIAL PERMIT PLAN
RESIDENTIAL COMPOUND DEVELOPMENT SUBDIVISION
0 & 483 COUNTRY WAY
SCITUATE, MASSACHUSETTS

PREPARED FOR:
BRADFORD A. MERRITT
493 COUNTRY WAY
SCITUATE, MA 02066

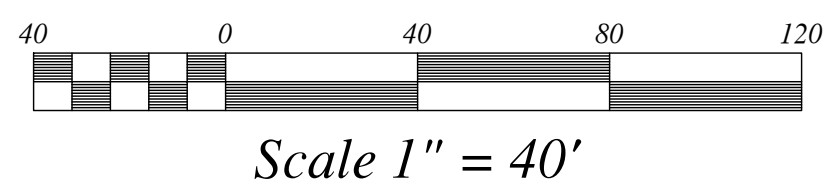
MAY 28, 2019
SCALE: 1"=30'
JOB No. 18-312

GRADY CONSULTING, L.L.C.
Civil Engineers, Land Surveyors & Landscape Architects
71 Evergreen Street, Suite 1, Kingston, MA 02364
Phone (781) 585-2300 Fax (781) 585-2378

LANDSCAPE PLAN



NOTE:
CONSTRUCTION OF THE COMMON DRIVEWAY SHALL BE SUPERVISED BY A REGISTERED PROFESSIONAL ENGINEER WHO SHALL CERTIFY IN WRITING TO THE BUILDING COMMISSIONER AT COMPLETION THAT THE DRIVEWAY AND DRAINAGE STRUCTURES WERE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED THIS CERTIFICATION SHALL BE ACCOMPANIED BY AS-BUILT PLANS, SIGNED AND STAMPED BY A REGISTERED PROFESSIONAL LAND SURVEYOR AND THE SUPERVISING ENGINEER. AS-BUILT PLANS SHALL INCLUDE THE LOCATIONS OF EASEMENTS FOR ALL DRAINAGE STRUCTURES INCLUDING SWALES AND MUST BE PROVIDED TO THE DEPARTMENT OF PUBLIC WORKS, WITH A COPY TO THE PLANNING BOARD, WITHIN THREE MONTHS OF THE COMPLETION OF CONSTRUCTION OF A COMMON DRIVEWAY. THE BUILDING COMMISSIONER SHALL NOT ISSUE A FINAL CERTIFICATE OF OCCUPANCY FOR A DWELLING SERVED BY A COMMON DRIVEWAY UNLESS THE BUILDING COMMISSIONER IS SATISFIED THAT ACCESS, CONSTRUCTION OF THE COMMON DRIVEWAY, INSTALLATION OF NECESSARY UTILITIES AND SITE RESTORATION ARE IN FULL COMPLIANCE WITH THE APPROVED PLANS AND THE SPECIAL PERMIT.

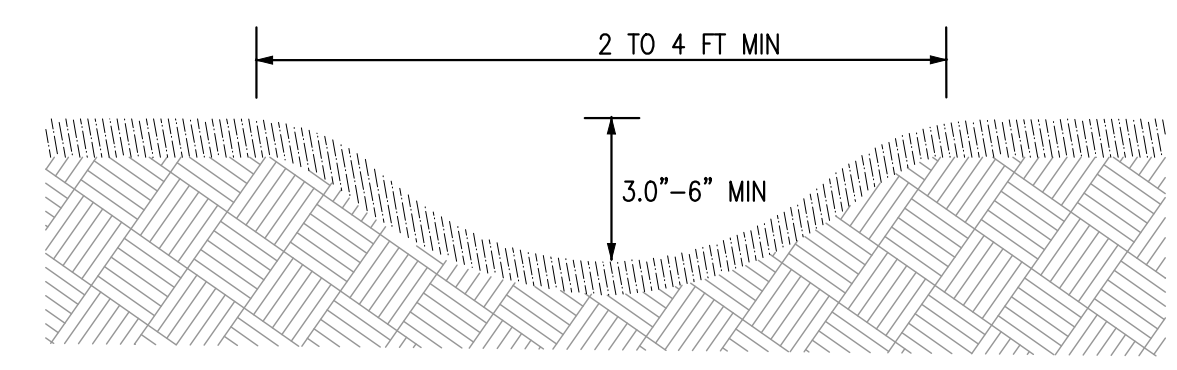


PHASE 1

PHASE 1 CONSTRUCTION SEQUENCE:

- PHASE 1 INCLUDES THE CONSTRUCTION OF THE ROADWAY, UTILITIES AND DRAINAGE BASINS
- STAKE LIMITS OF WORK AND TREE CLEARING
- INSTALL EROSION CONTROLS INCLUDING TEMPORARY SEDIMENT TRAPS & SWALES. TRAPS AND SWALES ARE TO BE INSPECTED FOLLOWING HEAVY RAINFALL OR SIGNIFICANT LEAF LITTER. CONTRACTOR TO KEEP SILT TRAPS AND SWALES CLEAR AT ALL TIMES
- CUT TREES, CLEAR AND GRUB ROADWAY AND DRAINAGE BASIN AREAS AS SHOWN "PHASE 1 CLEARING AREA"
- CONSTRUCT WATER QUALITY SWALE, DRAINAGE ACCESS ROAD, INFILTRATION BASIN INCLUDING LOAM AND SEED
- (LIMIT USE OF HEAVY EQUIPMENT ON BASIN BOTTOMS) THE CONTRACTOR SHALL TAKE CARE TO MINIMIZE SOIL COMPACTION IN ALL AREAS OF THE SITE WITH THE EXCEPTION OF ROADWAYS AND STRUCTURAL AMENITIES AS REQUIRED FOR STRUCTURAL STABILITY.
- BRING CUT AREAS TO SUBGRADE INSPECT BASIN AND FOREBAY AFTER ALL STORMS AND AT LEAST MONTHLY DURING CONSTRUCTION AND REMOVE SEDIMENT
- INSTALL UTILITIES (ie, DRAIN, WATER, ELECTRIC, etc.)
- CATCH BASIN GRATES ARE TO BE SET AT BINDER GRADE
- INSTALL EROSION CONTROLS ON EXPOSED SLOPES, INSTALL SILT SACK IN CATCH BASIN, SILT SOCK AT BASIN INLET
- PLACE BASE COURSE OF PAVEMENT / LOAM AND SEED GRASS AREAS
- STABILIZATION SEED SHALL BE PLACED PRIOR TO NOVEMBER TO EACH YEAR DURING CONSTRUCTION TO ENSURE VEGETATIVE STABILIZATION.
- PAVING SHOULD ONLY BE COMPLETED WHILE PAVEMENT PLANTS ARE OPERATING. IT IS PREFERRED THAT PAVING BE COMPLETED PRIOR TO NOVEMBER.

- DEWATERING BAG NOTES:**
- ANY PUMP DISCHARGES SHALL BE DIRECTED TO THE DEWATERING BAG.
 - 10'x15' PART #9725-SED AS MANUFACTURED BY BOOM ENVIRONMENTAL PRODUCTS, 1 COFFIN AVENUE, NEW BEDFORD, MA 02746 617-965-0007 SALES@BOOMENVIRO.COM (OR APPROVED EQUAL)
 - MONITOR BAG AND REPLACE IF DAMAGED OR OVERLOADED WITH SEDIMENT.
 - INSTALL BAG ON A 12" DEEP CRUSHED STONE BLANKET (14' x 19').
 - MONITOR WATER DISCHARGE AND INSTALL ADDITIONAL EROSION CONTROL SURROUNDING BAG AS NEEDED.



SEDIMENT TRAP #1
2 YEAR RUNOFF VOLUME FROM POST #1 = 248 (CU. FT) (350 cu ft PROVIDED @ EL=60)

CONTOUR ELEVATION (sq. FT)	CONTOUR AREA (SQ. FT)	DEPTH (FT)	INCREMENTAL VOLUME AVG. END (CU. FT)	CUMULATIVE VOLUME AVG. END (CU. FT)
59.000	246.73	N/A	N/A	0.00
60.000	454.17	1.000	350.45	350.45
61.000	718.29	1.000	586.23	936.68

SEDIMENT TRAP #2
2 YEAR RUNOFF VOLUME FROM POST #3 = 2390 (CU. FT) (6189 cu ft PROVIDED @ EL=64)

CONTOUR ELEVATION	CONTOUR AREA (SQ. FT)	DEPTH (FT)	INCREMENTAL VOLUME AVG. END (CU. FT)	CUMULATIVE VOLUME AVG. END (CU. FT)
62.000	956.20	N/A	N/A	0.00
64.000	5,233.27	2.000	6189.46	6189.46

SEDIMENT TRAP #3
2 YEAR RUNOFF VOLUME FROM POST #5 = 625 (CU. FT) (797 CU FT PROVIDED @ EL=60)

CONTOUR ELEVATION	CONTOUR AREA (SQ. FT)	DEPTH (FT)	INCREMENTAL VOLUME AVG. END (CU. FT)	CUMULATIVE VOLUME AVG. END (CU. FT)
58.000	83.45	N/A	N/A	0.00
59.000	393.60	1.000	238.53	238.53
60.000	724.44	1.000	559.02	797.55



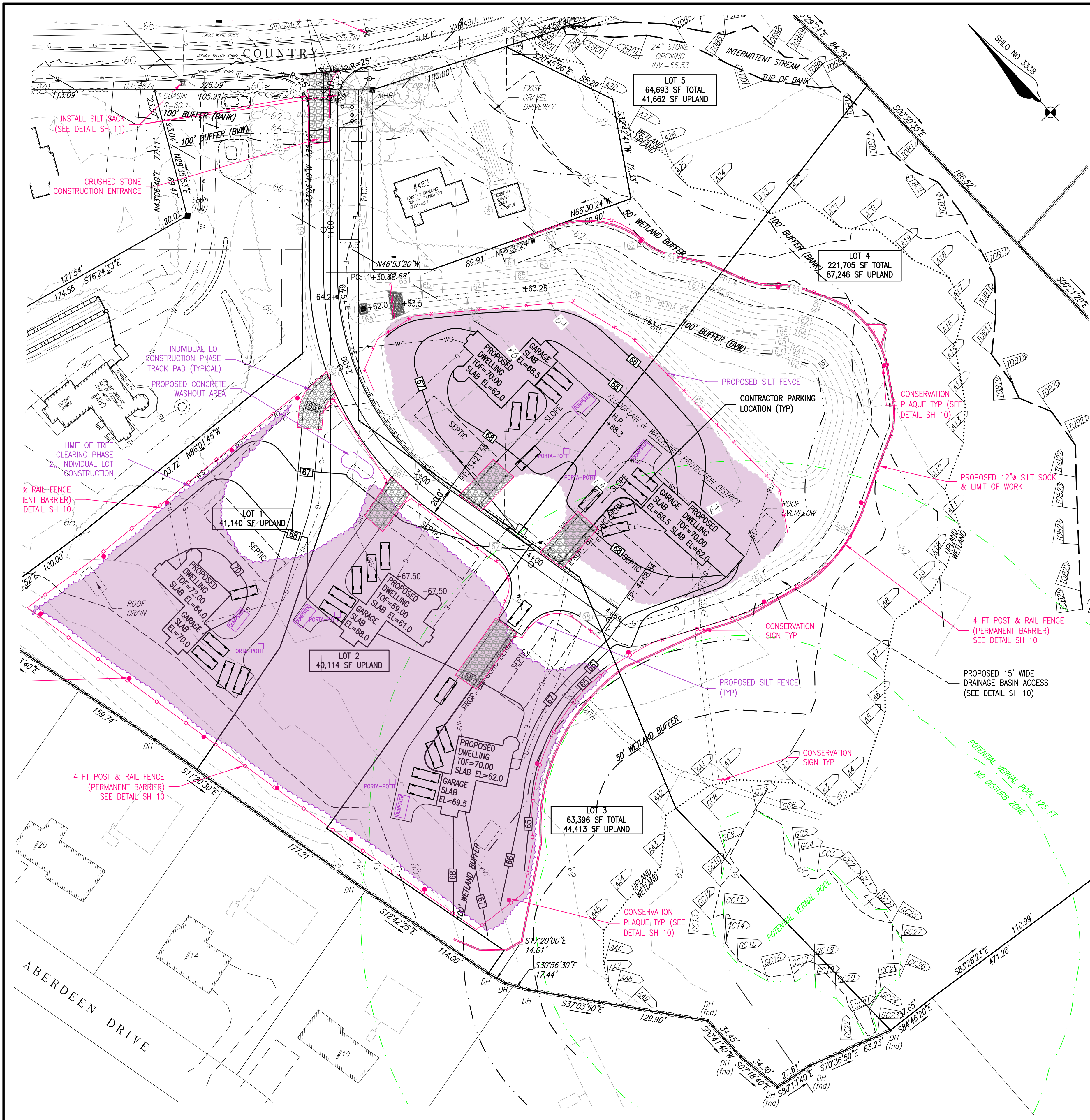
SPECIAL PERMIT PLAN
RESIDENTIAL COMPOUND
DEVELOPMENT SUBDIVISION
0 & 483 COUNTRY WAY
SCITUATE, MASSACHUSETTS

PREPARED FOR:
BRADFORD A. MERRITT
493 COUNTRY WAY
SCITUATE, MA 02066

MAY 28, 2019
SCALE: 1"=40'
JOB NO. 18-312

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CONSTRUCTION PERIOD PHASE 1



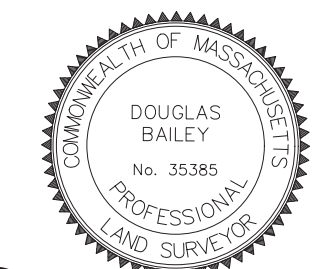
- DEWATERING BAG NOTES:**
1. ANY PUMP DISCHARGES SHALL BE DIRECTED TO THE DEWATERING BAG.
 2. 10'x15' PART #9725-SED AS MANUFACTURED BY BOOM ENVIRONMENTAL PRODUCTS, 1 COFFIN AVENUE, NEW BEDFORD, MA 02746 617-965-0007 SALES@BOOMENVIRO.COM (OR APPROVED EQUAL)
 3. MONITOR BAG AND REPLACE IF DAMAGED OR OVERLOADED WITH SEDIMENT.
 4. INSTALL BAG ON A 12" DEEP CRUSHED STONE BLANKET (14' x 19').
 5. MONITOR WATER DISCHARGE AND INSTALL ADDITIONAL EROSION CONTROL SURROUNDING BAG AS NEEDED.
 6. INDIVIDUAL FOUNDATION DE-WATERING BAG PLACEMENT SHALL BE ON THE INDIVIDUAL LOTS AND LOCATED OUTSIDE OF THE 100 FT BUFFER ZONE.

WINTER SITE STABILIZATION NOTES:
 CONTRACTOR SHALL LIMIT EXCAVATION OF SOILS DURING NON-GROWING SEASON FROM NOVEMBER 1ST TO APRIL 1ST. SHOULD IT BE NECESSARY TO EXPOSE SOILS DURING NON-GROWING SEASON THE CONTRACTOR SHALL USE ALTERNATIVE MEANS OF SOILS STABILIZATION SUCH AS JUTE MESH, STUMP GRINDINGS OR OTHER APPROVED METHODS.

PHASE 2

PHASE 2 CONSTRUCTION SEQUENCE:

- PHASE 2 INCLUDES THE CONSTRUCTION OF THE INDIVIDUAL HOUSE LOTS, SUBDIVISION LANDSCAPE AND FINISH PAVEMENT
- STAKE LIMITS OF WORK AND TREE CLEARING
- INSTALL EROSION CONTROLS, INSTALL EROSION CONTROLS ON EXPOSED SLOPES, INSTALL SILT SACK IN CATCH BASIN, MAINTAIN SILT SOCK AT BASIN INLET
- CUT TREES, CLEAR AND GRUB YARD AREAS AS SHOWN "PHASE 2 AREA" (SELECT & RETAIN TREES)
- BRING CUT AREAS TO SUBGRADE INSPECT BASIN AND FOREBAY AFTER ALL STORMS AND AT LEAST MONTHLY DURING CONSTRUCTION AND REMOVE SEDIMENT
- INSTALL AND BACKFILL FOUNDATION
- CONSTRUCT DWELLINGS
- INSTALL UTILITIES (IE, DRAIN, WATER, ELECTRIC, SEPTIC ETC.) (LIMIT USE OF HEAVY EQUIPMENT ON BASIN BOTTOMS)
- BRING YARDS TO SUBGRADE
- INSTALL DOWNSPOUTS/ROOF DRAIN CONNECTIONS
- PLACE DRIVEWAY BASE COURSE OF PAVEMENT / LOAM AND SEED GRASS AREAS
- CONTRACTOR SHALL REMOVE AND REPLACE ANY COMPACTED SOILS THROUGHOUT THE PROPERTY PRIOR TO PLACING LANDSCAPE TO ALLOW FOR PROPER DRAINAGE AND INFILTRATIVE CAPACITY OF THE UNDERLYING SOILS.
- COMPLETE SUBDIVISION LANDSCAPING
- STABILIZATION SEED SHALL BE PLACED PRIOR TO NOVEMBER TO EACH YARD DURING CONSTRUCTION TO ENSURE VEGETATIVE STABILIZATION.
- PAVING SHOULD ONLY BE COMPLETED WHILE PAVEMENT PLANTS ARE OPERATING. IT IS PREFERRED THAT PAVING BE COMPLETED PRIOR TO NOVEMBER.
- UNCOVER TEMPORARY DRAINAGE SEALS / FINISH PAVING ON ROADWAY AND DRIVEWAYS
- CLEAN DRAINAGE SYSTEM (STRUCTURES AND ANY SEDIMENT IN BASINS)
- REQUEST CERTIFICATE OF COMPLIANCE FROM CONSERVATION AND PLANNING BOARD



Douglas Bailey



Kevin S. Grady

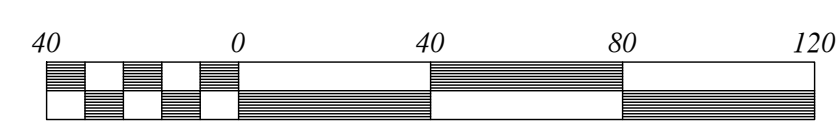
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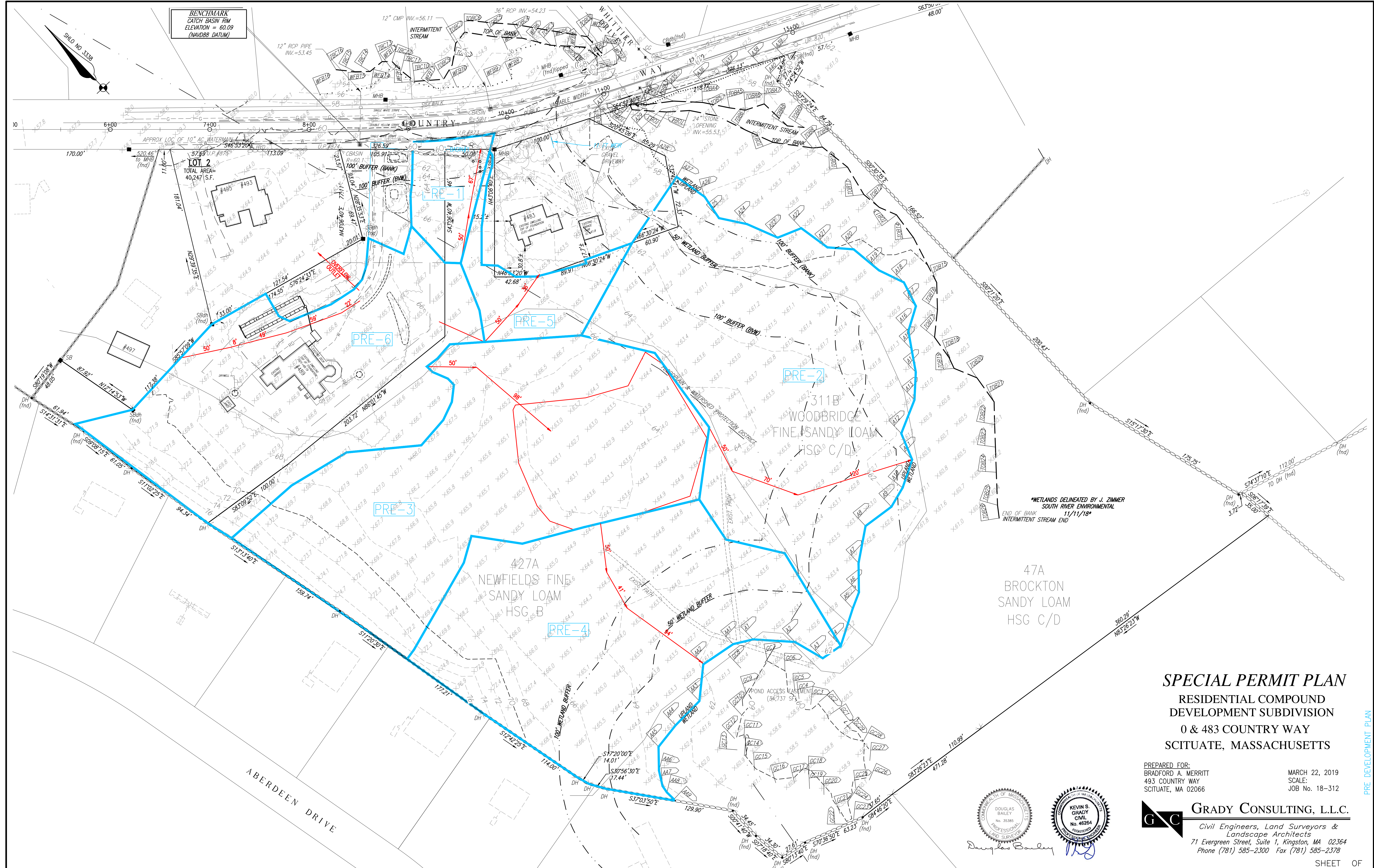
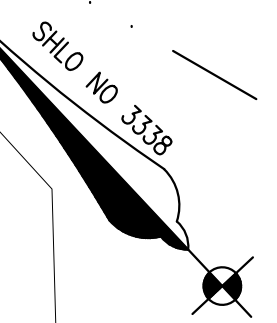
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Scale 1" = 40'

CONSTRUCTION PERIOD PHASE II

BENCHMARK
CATCH BASIN RIM
ELEVATION = 60.09
(NAVD88 DATUM)



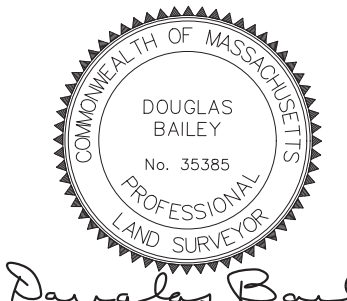
*WETLANDS DELINEATED BY J. ZIMMER
SOUTH RIVER ENVIRONMENTAL
11/11/18*

SPECIAL PERMIT PLAN

RESIDENTIAL COMPOUND
DEVELOPMENT SUBDIVISION
0 & 483 COUNTRY WAY
SCITUATE, MASSACHUSETTS

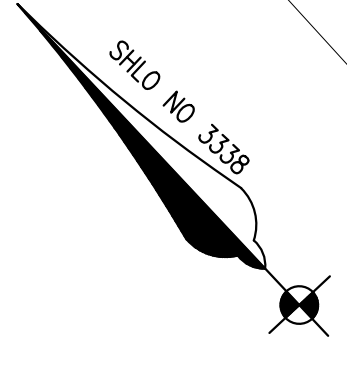
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BRADFORD A. MERRITT
493 COUNTRY WAY
SCITUATE, MA 02066

MARCH 22, 2019
SCALE:
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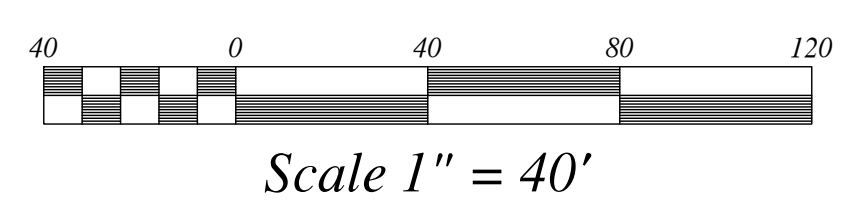
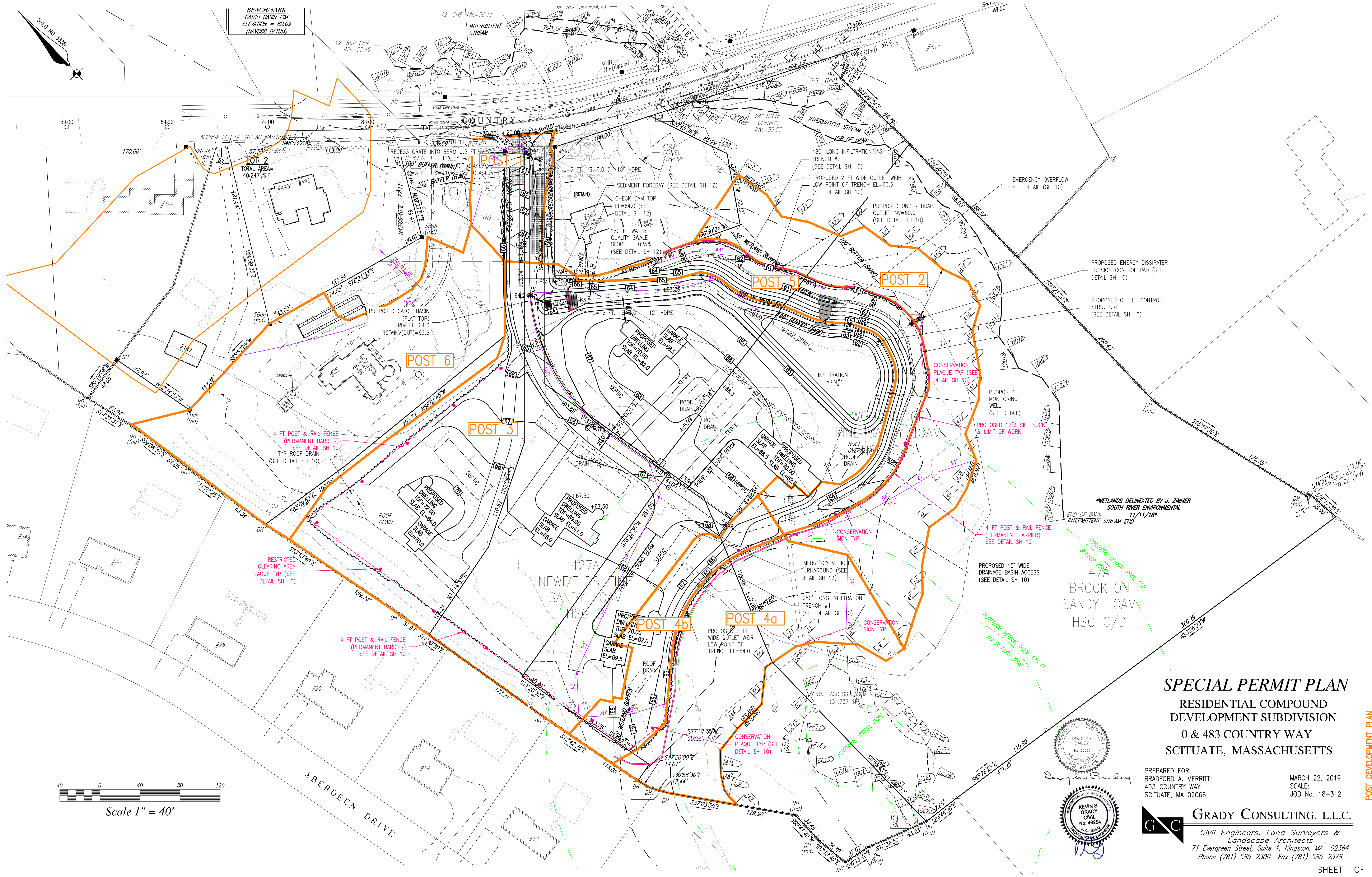


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PRE DEVELOPMENT PLAN



BENJAMINA
CATCH BASIN RIM
ELEVATION = 60.09
(NAVD88 DATUM)

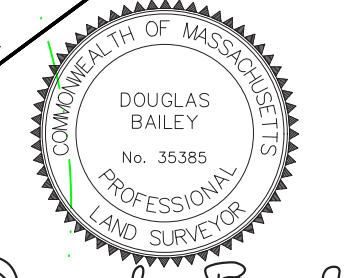


Scale 1" = 40'

SPECIAL PERMIT PLAN RESIDENTIAL COMPOUND DEVELOPMENT SUBDIVISION 0 & 483 COUNTRY WAY SCITUATE, MASSACHUSETTS

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POST DEVELOPMENT PLAN