

LOCATION MAP

SCALE: 1"=2000'±

#### zoning data

DISTRICT: RESIDENTIAL A

40,000 S.F. 32,000 S.F. UPLAND 80% CONTIGUOUS

(>30,000 S.F. WITHIN 275' OF WAY) (HOUSE PLACED IN 150' DIA. CIRCLE LOCATED TOTALLY WITHIN 80% UPLAND AREA WITH ABILITY TO INSCRIBE CIRCLE FROM LOT'S FRONTAGE TO DESIGN AREA)

LOT FRONTAGE 150 FT FRONT YARD 40 FT SIDE YARD 20 FT REAR YARD

#### ROADWAY DATA

#### "MINOR STREET"

RIGHT OF WAY 24' PAVEMENT WIDTH CAPE COD BERM SIDEWALK WIDTH MIN. SIGHT DISTANCE MAX. GRADE MIN. GRADE 150' MIN. CENTERLINE RADIUS MAX. STREET LENGTH TURNAROUND DIAMETER

TOTAL LENGTH OF ROADWAY = 459' (MEASURED FROM PROPERTYLINE AT RIGHT OF WAY TO

TOTAL LENGTH OF DEAD END = 644'

CENTER OF CUL-DE-SAC ALONG CENTERLINE)

(MEASURED FROM THE INTERSECTION OF ORCHARD DRIVE TO CENTER OF CUL-DE-SAC ALONG CENTERLINE)

RECORD OWNER:

ASSESSOR MAP D8 LOT 5b

DIANE SAUNDERS & STEPHEN V. SAIA DEED BOOK 37098 PAGE 128 PLAN No. 58 OF 1980

#### PLAN REFERENCES:

PLAN BOOK 21 PAGE 415

- 1. PLAN NO. 296 OF 1953, PLAN BOOK 9 PAGE 342
- 2. PLAN No. 126 OF 1968, PLAN BOOK 14 PAGE 793 3. COUNTY LAYOUT OF MOUNTAIN AVE DECREE NO. 879,
- MARCH 20, 1934.

#### PLAN REFERENCES:

BY GRAPHIC PLOTTING ONLY, THIS PROPERTY IS NOT LOCATED IN ZONE "X" OF THE FLOOD INSURANCE RATE MAP AS DEPICTED ON COMMUNITY PANEL No. 25023C0216J WHICH BEARS AN EFFECTIVE DATE OF JULY 17, 2012, AND IS NOT IN A SPECIAL FLOOD HAZARD AREA.



FOR REGISTRY USE ONLY

#### PEMBROKE PLANNING BOARD

APPROVED CONDITIONALLY SUBJECT TO THE COMPLETION OF ALL REQUIRED GROUNDWORK AS SHOWN ON THESE PLANS AND AS SET FORTH IN THE COVENANT.

DATE	APPROVED:	
DATE	SIGNED:	

THIS APPROVAL IS SUBJECT TO A COVENANT DULY EXECUTED DATED THE \_\_\_\_DAY OF \_2018, RUNNING WITH THE LAND TO BE DULY RECORDED BY OR FOR THE OWNER OF THE RECORD.

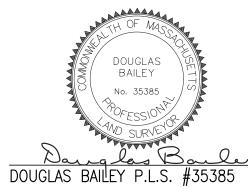
THIS PLAN IS SUBJECT TO ALL CONDITIONS OF THE PEMBROKE PLANNING BOARD CERTIFICATE OF ACTION DATED\_ \_ FILED WITH THE PEMBROKE TOWN CLERK ON AND HEREWITH RECORDED AS PART OF THIS PLAN.

#### PEMBROKE TOWN CLERK

I HEREBY CERTIFY THAT THERE HAS BEEN NO APPEAL TAKEN TO THIS PLANNING BOARD ACTION DURING THE TWENTY DAY STATUTORY APPEAL PERIOD.

TOWN CLERK, TOWN OF PEMBROKE

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.



1/29/20 DATE

### DEFINITIVE SUBDIVISION PLAN OLD CART PATH LANE EXT. (70 OLD CART PATH LANE)

PREPARED FOR: STEPHEN SAIA 70 OLD CART PATH LANE PEMBROKE, MA 02359

JANUARY 7, 2020 SCALE: AS SHOWN JOB No. 14-346



PEMBROKE, MASSACHUSETTS

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

N/F TOWN OF PEMBROKE DEED BOOK 3096 PAGE 332

SHEET 2 OF 11

"N/F TOWN OF PEMBROKE DEED BOOK 3096 PAGE 332

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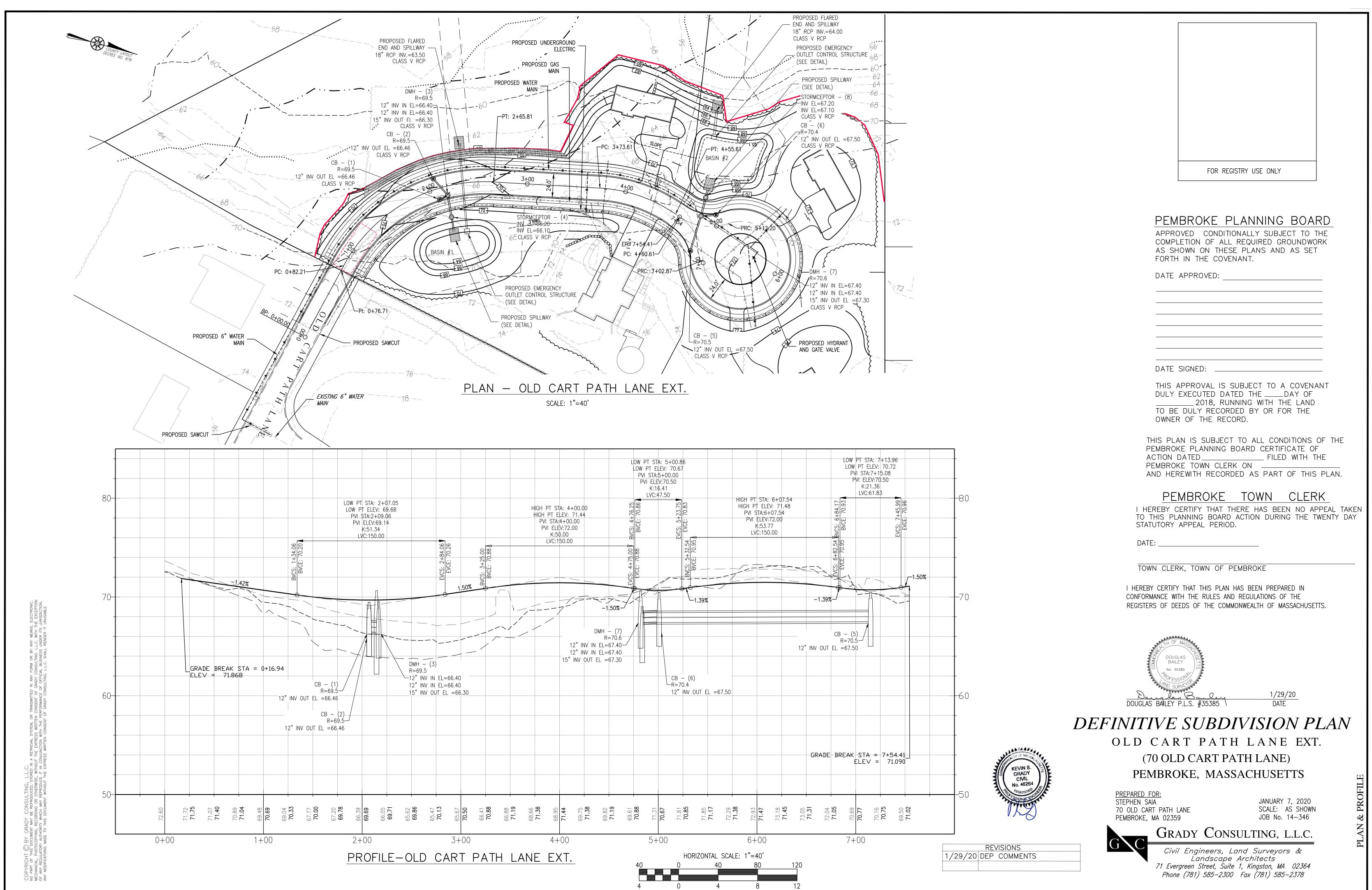
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1/29/20 DATE

## DEFINITIVE SUBDIVISION PLAN OLD CART PATH LANE EXT.

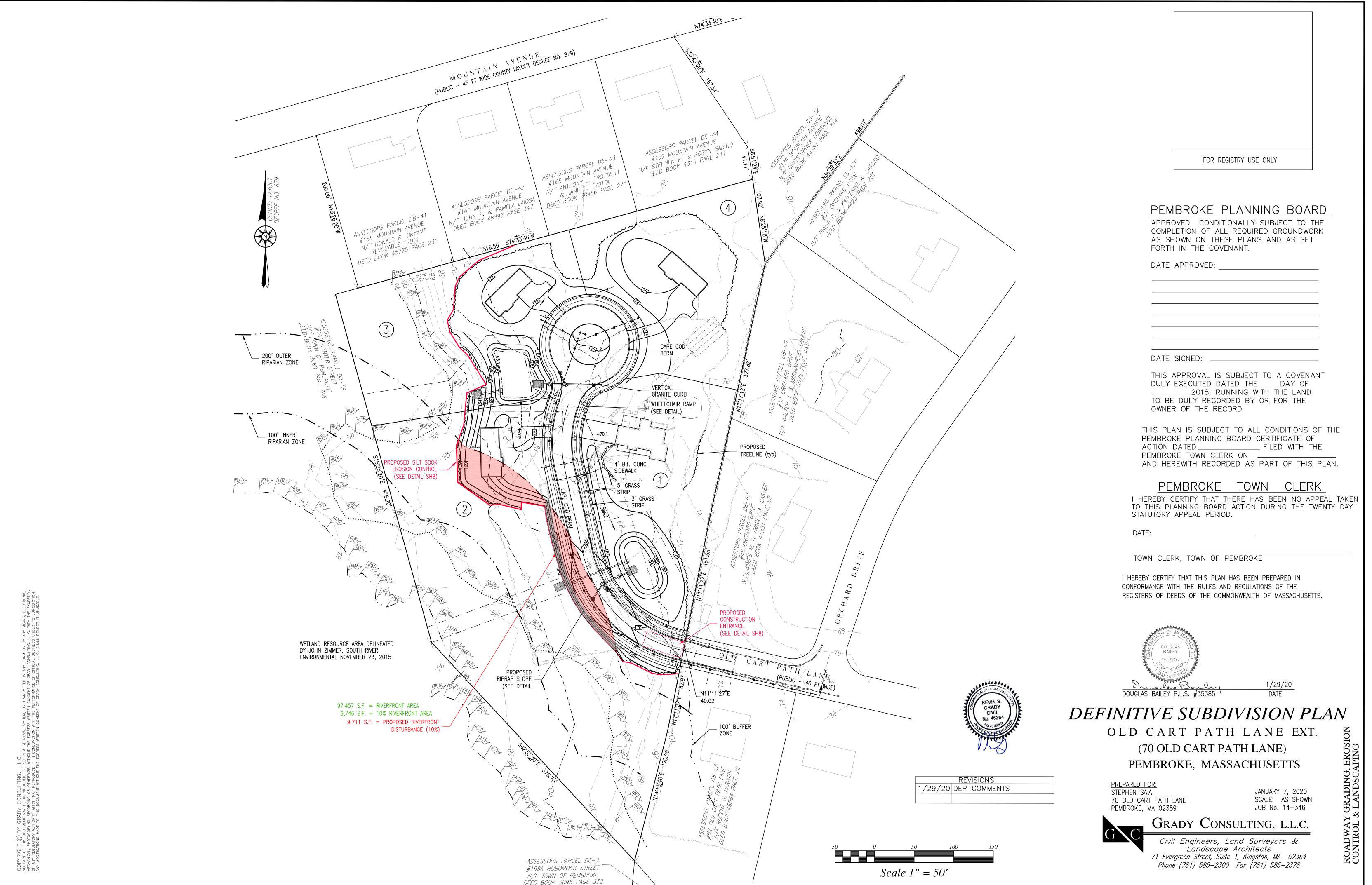
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VERTICAL SCALE: 1"=4"

SHEET 4 OF 11



SHEET 5 OF 11

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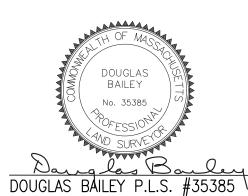
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DEFINITIVE SUBDIVISION PLAN OLD CART PATH LANE EXT. (70 OLD CART PATH LANE)

PEMBROKE, MASSACHUSETTS

PREPARED FOR: STEPHEN SAIA 70 OLD CART PATH LANE PEMBROKE, MA 02359

JANUARY 7, 2020 SCALE: AS SHOWN JOB No. 14-346

1/29/20 DATE





GRADY CONSULTING, L.L.C.

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*Scale* 1'' = 50'

#### PLANT SCHEDULE

2018-04-30 11:40 <u>QTY</u> <u>BOTANICAL NAME / COMMON NAME</u> B & B 3"Cal Acer rubrum 'Red Sunset' / Red Sunset Maple GLE TRI Gleditsia triacanthos inermis / Thornless Common Honeylocust B & B 3"Cal PLA XLP B & B 3"Cal Platanus x acerifolia / London Plane Tree EVERGREEN TREES QTY BOTANICAL NAME / COMMON NAME 7-8' hgt. Pinus strobus / White Pine

#### PLANTING NOTES

- 1) NOTIFY DIG-SAFE AND LOCAL AUTHORITIES PRIOR TO ANY TYPE OF SITE PREPARATION OR CONSTRUCTION
- 2) ALL PLANTS TO HAVE THE SAME RELATIONSHIP TO FINISH GRADE AFTER SETTLEMENT AS TO THEIR ORIGINAL GRADE BEFORE DIGGING. LOCATE PLANT COLLAR TWO OR THREE INCHES HIGHER THAN PLANTING SOIL MIX TO INSURE CORRECT FINAL RELATIONSHIP.
- 3) APPLY AN APPROVED ANTI-DESSICANT TO ALL PLANTS IN LEAF AT PLANTING TIME, AND TO ALL EVERGREENS BEFORE THEIR FIRST WINTER.
- 4) FLOOD ALL PLANTS WITH CLEAN WATER TWICE IN THE FIRST 24 HOURS AFTER PLANTING. CONTRACTOR TO ARRANGE FOR ALL PLANTS TO BE PLANTED WITHIN THREE DAYS AFTER DELIVERY TO THE SITE UNLESS OTHERWISE APPROVED BY THE LANDSCAPE ARCHITECT.
- ,5) NEVER CUT A LEADER.
- 6) TRIM ONLY BROKEN OR DEAD BRANCHES FROM EVERGREEN PLANTS.
- 7) THE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIAL AND MULCH IN SUFFICIENT QUANTITIES TO COMPLETE PLANTING AS SHOWN ON THE DRAWINGS. DRAWING QUANTITIES TAKE PRECEDENCE OVER PLANT LIST
- 8) ALL PLANT MATERIAL SHALL CONFORM TO THE GUIDELINES BY "THE AMERICAN STANDARD FOR NURSERY STOCK," PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC.
- 9) ALL TREES SHALL HAVE "BEST FACE" SIDE TAGGED AT NURSERY PRIOR TO
- 10) ALL PLANTS SHALL BE BALLED AND BURLAPPED OR CONTAINER GROWN, UNLESS OTHERWISE APPROVED BY THE LANDSCAPE ARCHITECT.
- 11) CONTRACTOR TO STAKE TREE LOCATIONS FOR APPROVAL BY LANDSCAPE
- 12) LANDSCAPE ARCHITECT TO APPROVE IN PLACE ALL SHRUBS, PERENNIALS AND VINES PRIOR TO PLANTING.
- 13) ALL TREES TO RECEIVE A MINIMUM OF THREE INCHES OF MULCH. ALL SHRUBS, VINES AND GROUND COVERS TO RECEIVE A MINIMUM OF TWO INCHES OF MULCH.
- 14) WHERE SPECIFIED, CALIPER SIZE TO BE OVERRIDING FACTOR IN TREE

NOTES: ON TREES BELOW 3" CAL.

ON TREES 3" CAL. OR GREATER

IF GUYING CABLES USE 3 PER TREE

USE WOOD STAKES.

USE GUYING CABLES.

15) STAKE OR GUY ALL TREES AND LARGE EVERGREEN MATERIAL.

- 16) CONTRACTOR TO PROVIDE TWO YEAR GUARANTEE ON ALL MATERIAL. CONTRACTOR TO MAINTAIN ALL PLANTING AND LAWNS UNTIL FINAL PROJECT ACCEPTANCE. GUARANTEE PERIOD TO BEGIN AT FINAL
- 17) ALL PLANT MATERIAL SHALL BE INSTALLED PRIOR TO FINAL TOP-DRESSING AND SODDING/SEEDING.
- 18) COORDINATE LANDSCAPE INSTALLATION WITH INSTALLATION OF UNDERGROUND SPRINKLER SYSTEM & LANDSCAPE LIGHTING (IF APPLICABLE).
- 19) NO PLANTING BEFORE THE ACCEPTANCE OF ROUGH GRADING.
- 20) CONTRACTOR TO PROVIDE SOIL TESTS IN AREAS DESIGNATED BY LANDSCAPE ARCHITECT IN FIELD FOR EXISTING SOILS TO DETERMINE APPROPRIATE SOIL AMENDMENTS PRIOR TO THE DISTURBANCE OF SITE.
- 21) ALL PLANTING BEDS TO BE TREATED WITH PREEN AND GREEN OR APPROVED EQUAL TO PROHIBIT WEED GERMINATION AND GROWTH PRIOR TO THE SPREADING OF MULCH.
- 22) ALL PERENNIALS ARE TO BE PLANTED INTO DAMP SOIL.
- 23) PLANT LIST: A COMPLETE LIST OF PLANTS INCLUDING A SCHEDULE OF QUANTITIES, SIZES, TYPES AND NAMES IS INCLUDED IN THIS SET OF DRAWINGS. IN THE EVENT OF DISCREPANCIES BETWEEN QUANTITIES OF PLANTS IN THE PLANT LIST AND THE QUANTITIES SHOWN ON THE DRAWINGS, THE PLAN SHALL GOVERN. WHEN MULTIPLE PLANT SPECIES ARE LISTED IN ONE PLANT CATEGORY, THE GOAL IS TO PROVIDE THE BEST PLANTS AVAILABLE AT THE TIME OF INSTALLATION. THE LANDSCAPE ARCHITECT SHALL SELECT OR COORDINATE THE SELECTION OF THE APPROPRIATE PLANTS AT LOCAL NURSERIES. GRADY CONSULTING HAS THE RIGHT TO REJECT ANY PLANT THAT DOES NOT MEET THE SPECIFICATIONS LISTED IN THE PLANT TABLE.
- 24) PLANT SUBSTITUTION ARE NOT ALLOWED UNLESS APPROVED BY LANDSCAPE ARCHITECT.
- 25) ALL DISTURBED AREAS TO BE LOAMED AND SEEDED AND BLENDED INTO EXISTING GRADE AND CONDITIONS (REFER TO ENGINEER'S SOIL STABILIZATION AND EROSION CONTROL PLAN FOR FURTHER INFORMATION).
- 26) CONTRACTOR SHALL (IF APPLICABLE) REVIEW WITH CLIENT ALL IRRIGATION PROCEDURES AND PROCESSES (i.e. TIMERS, ZONES AND ALL OTHER ITEMS INVOLVED W/ THE IRRIGATION SYSTEM).

INSTALL TREE PLUMB - L.A. TO APPROVE FACE / ORIENTATION OF TREES ON SITE

NON-GURDELING STRAP SUCH AS CHAIN LOCK OR ARBORTAPE

INSTALL TREE GATORS ON ALL TREES NOT COVERED BY IRRIGATION AS PER MANUFACTURERS SPECIFICATIONS. CONTRACTOR TO MAINTAIN DURING PERIOD OF WARRANTY

TREE SHALL BE PLANTED ;3" ABOVE SURROUNDING GRADE - TREE SHALL BE PLUMB AFTER SETTLEMENT - IF ROOTBALL IS WRAPPED IN PLASTIC OR NON-BIODEGRADEABLE MATERIAL REMOVE ENTIRE WRAP - IF WRAPPED IN BURLAP, CUT OPEN AT LEAST 1/3 OF TOP - 3" PINE BARK MULCH (UNLESS OTHERWISE

NOTED ON PLANS) - HAND EXCAVATE HOLE TO DIAMETER 2X WIDER THAN ROOT BALL - PRUNE ROOT FLARE BACKFILL HOLE WITH PLANTING SOIL MIX AS SPECIFIED

- EARTH SAUCER TO CONTAIN 3" MULCH -PULL MULCH 3-6" AWAY FROM TRUNK OF TREE (KNOCKDOWN/REMOVE SAUCER AFTER FIRST SEASON)

(FOR BELOW 3" CAL.)

- USE 2"X2" HARDWOOD STAKE

UNDISTURBED SUBGRADE

FOR ALL FALL PLANTING, WRAP TRUNK AS SPECIFIED TO 2ND LOWEST BRANCH REMOVE THE FOLLOWING SPRING

ALL TREES SHALL BE FLOODED TWICE DURING THE FIRST 24 HOURS AFTER PLANTING

SHADE / FLOWERING TREE DETAIL

2X ROOT BALL DIAMETER (MIN.)

— USE DUCKBILL TREE ANCHOR FOR 3"

CAL. OR GREATER

1/3 PEAT - BLEND MANURE

1/3 HIGH ORGANIC LOAM

PLANTING SOIL MIX:

1/3 EX. SOIL

32 9343.01-01

REVISIONS 1/29/20 DEP COMMENTS PEMBROKE PLANNING BOARD

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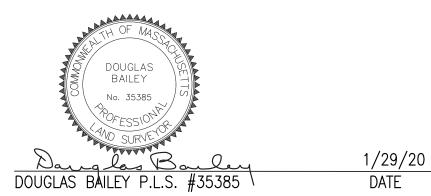
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DATE SIGNED:

OWNER OF THE RECORD.

TOWN CLERK, TOWN OF PEMBROKE

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PEMBROKE, MASSACHUSETTS

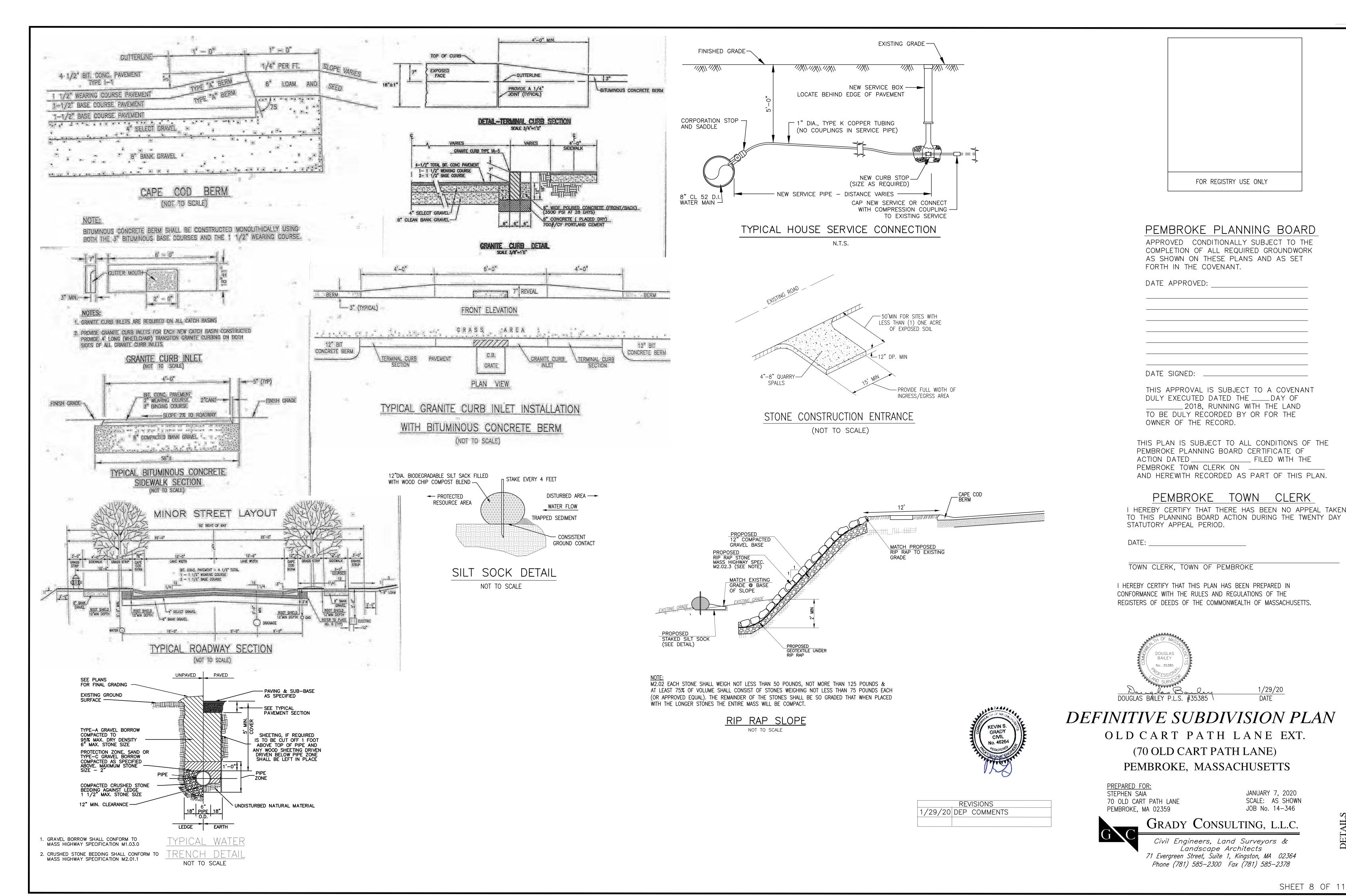
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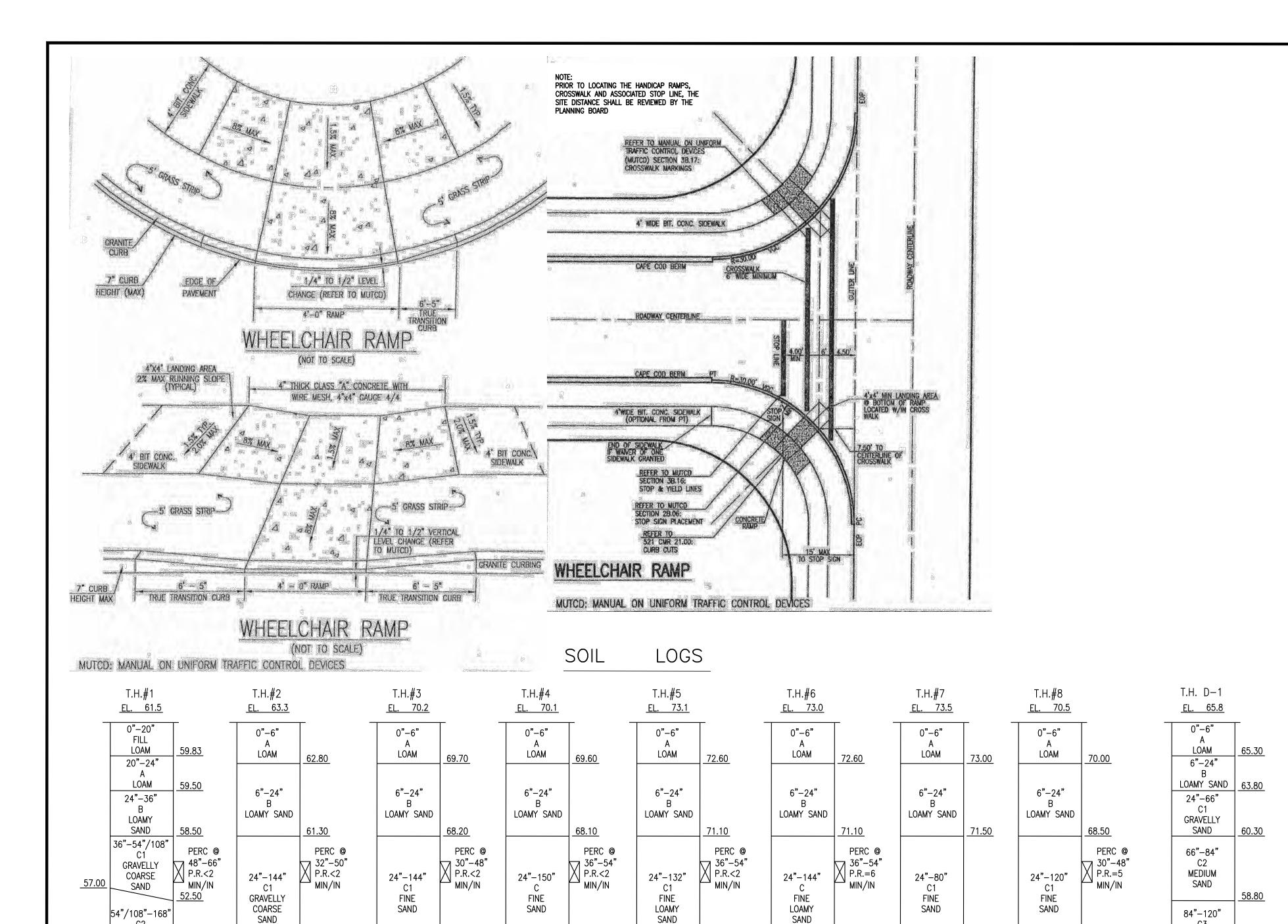
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SCALE: AS SHOWN JOB No. 14-346

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





D = 11' - 0"

MOTTLING

4'-6"

(EL.=68.60)

TH#1-8 AND D-1 PERFORMED BY GRADY CONSULTING LLC, OCTOBER 5, 2017, WITNESSED BY LISA CULLITY

D = 12' - 6''

MOTTLING

7'-0"

(EL.=63.10)

D= 12'-0"

MOTTLING

7'-10"

(EL.=62.36)

FINE LOAMY

SAND

D = 14' - 0"

MOTTLING

@ 4'-0"

(EL.=57.50)

D= 12'-0"

MOTTLING

6'-0"

(EL.=57.30)

#### CONSTRUCTION NOTES

#### GENERAL:

- 1. TOPOGRAPHIC DATA BY GRADY CONSULTING. L.L.C.
- 2. THE ACCURACY OF EXISTING UTILITY LOCATIONS, DIMENSIONS AND LINES IS FROM EXISTING INFORMATION OF RECORD AND IS NOT WARRANTED. CONTRACTOR TO VERIFY PRIOR TO INITIATING CONSTRUCTION.
- 3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL SECURE ALL NECESSARY STATE, MUNICIPAL AND OTHER UTILITY PERMITS AND VERIFY THE PROPOSED LOCATIONS OF UTILITIES WITH UTILITY COMPANIES.
- 4. CONTRACTOR SHALL NOTIFY "DIG SAFE" (1-888-344-7233) AT LEAST 4 DAYS PRIOR TO CONSTRUCTION.
- 5. UNDERGROUND UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE APPROPRIATE DEPARTMENT OR COMPANY. THE CONTRACTOR SHALL NOTIFY THE PEMBROKE D.P.W. (293-5620) AT LEAST 4 DAYS PRIOR TO CONSTRUCTION OF DRAINAGE & WATER SYSTEMS.
- 6. ALL CONSTRUCTION SHALL CONFORM TO TOWN OF PEMBROKE PLANNING BOARD RULES AND REGULATIONS.
- 7. ALL STUMPS SHALL BE DISPOSED OFF SITE AND IN ACCORDANCE WITH DEP

#### WATER SYSTEM NOTES:

- 1. ALL WATER SERVICES SHALL BE 1" TYPE "K" COPPER TUBING OR APPROVED EQUAL.
- 2. ALL CONSTRUCTION MATERIALS AND METHODS SHALL CONFORM TO TOWN OF PEMBROKE WATER DEPARTMENT REQUIREMENTS.
- 3. ALL WATER GATES SHALL BE MUELLER, OPEN RIGHT.

#### **EROSION CONTROL:**

- 1. ALL CUT AND FILL AREAS, AND DISTURBED DRAINAGE AREAS ARE TO BE BROUGHT TO FINISHED GRADE WITH A MIN. OF 4" OF LOAM, SEEDED WITH A MIXTURE OF ANNUAL RYEGRASS AND PERENNIAL GRASSES, AND MAINTAINED UNTIL VEGETATION STABILIZES THESE AREAS.
- 2. HAY MULCH, OR OTHER SUITABLE EROSION PROTECTION, SHALL BE UTILIZED ON ALL EXPOSED SLOPES.

#### CONSTRUCTION SEQUENCE:

INSTALL HAYBALES AND SILT FENCE

CLEAR AND GRUB SITE AREAS

SILT LOAM

D = 10' - 0"

MOTTLING

6'-8"

(EL.=59.13)

D = 6' - 8"

WATER

D = 10' - 0"

MOTTLING

6'-0"

(EL.=64.50)

D = 12' - 0"

MOTTLING

3'-6"

(EL.=69.50)

BRING CUT AREAS TO SUBGRADE

INSPECT STORMWATER BASIN AFTER ALL STORMS AND AT LEAST MONTHLY DURING CONSTRUCTION AND REMOVE SEDIMENT

EXCAVATE FOUNDATION, POUR, STRIP AND BACKFILL

INSTALL UTILITIES (ie, DRAIN, WATER, ELECTRIC, etc.)

CATCH BASIN GRATES ARE TO BE SET AT BINDER GRADE

INSTALL EROSION CONTROLS ON EXPOSED SLOPES

PLACE BASE COURSE OF PAVEMENT / LOAM AND SEED GRASS AREAS

INSTALL LANDSCAPING INCLUDING RAIN GARDEN PLANTS

FINISH PAVING ON ROADWAY

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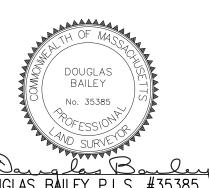
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DOUGLAS BAILEY P.L.S. #35385

1/29/20

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(70 OLD CART PATH LANE) PEMBROKE, MASSACHUSETTS

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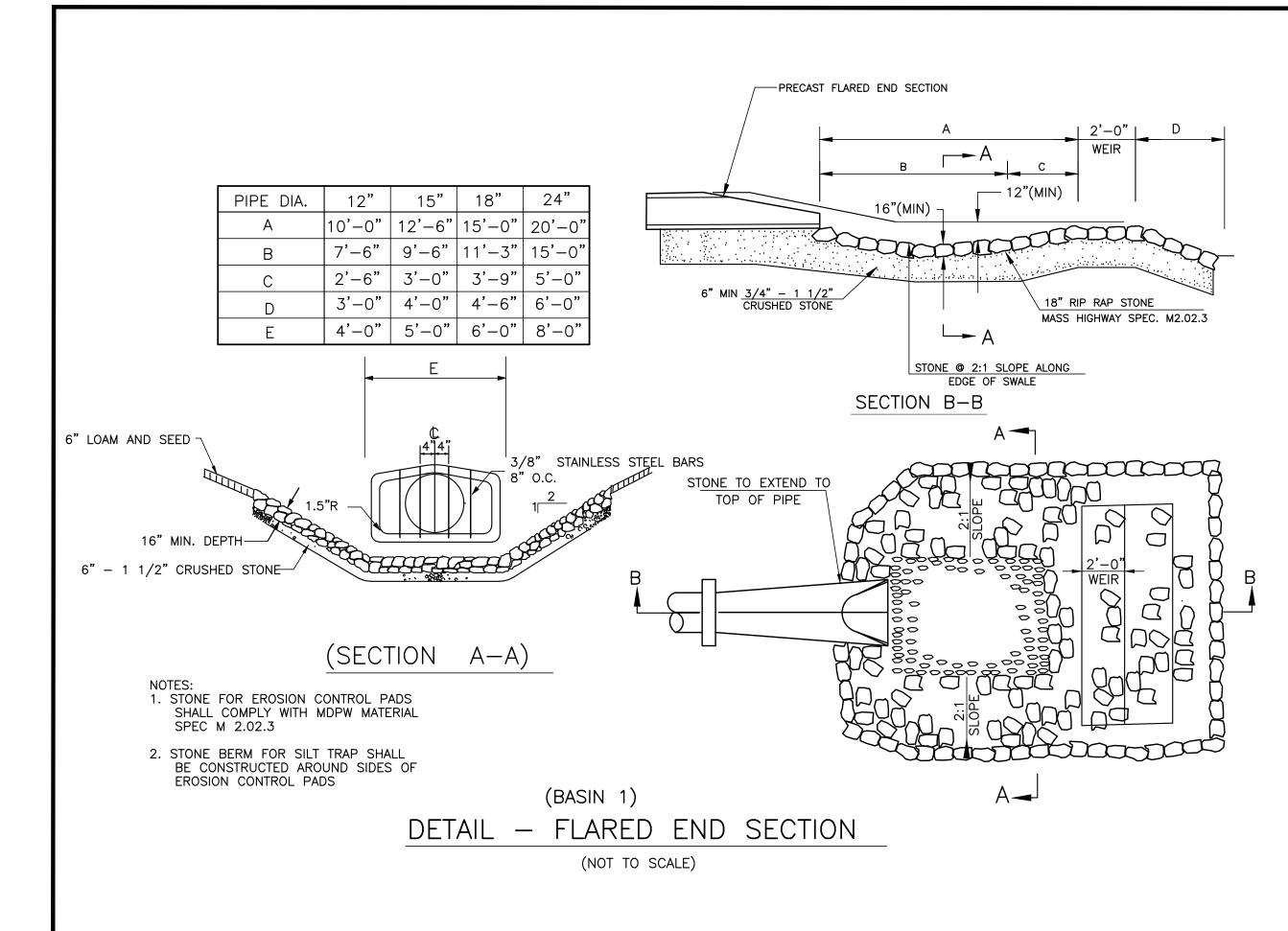


Grady Consulting, l.l.c.

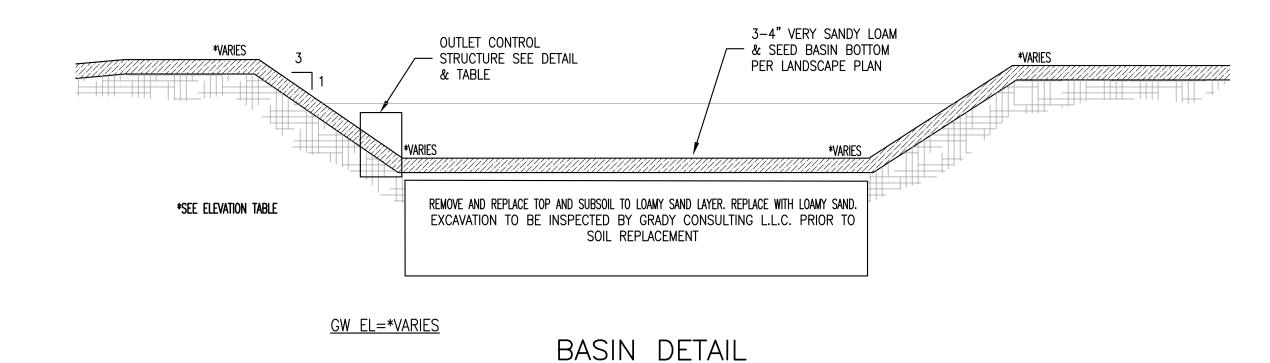
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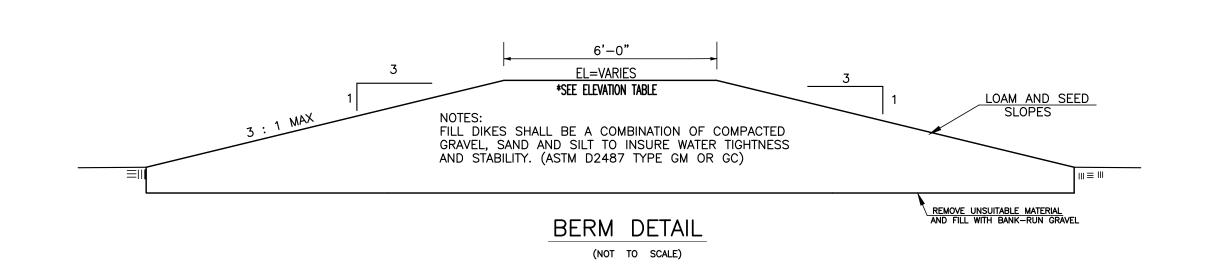


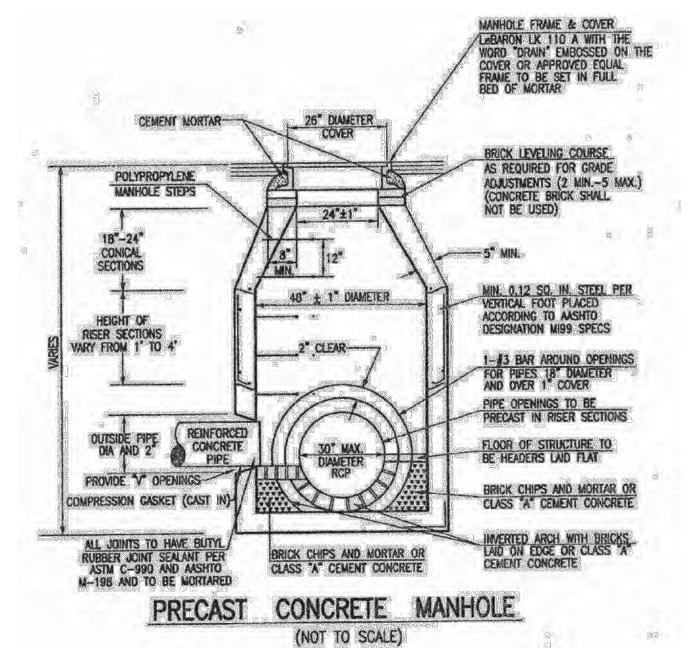


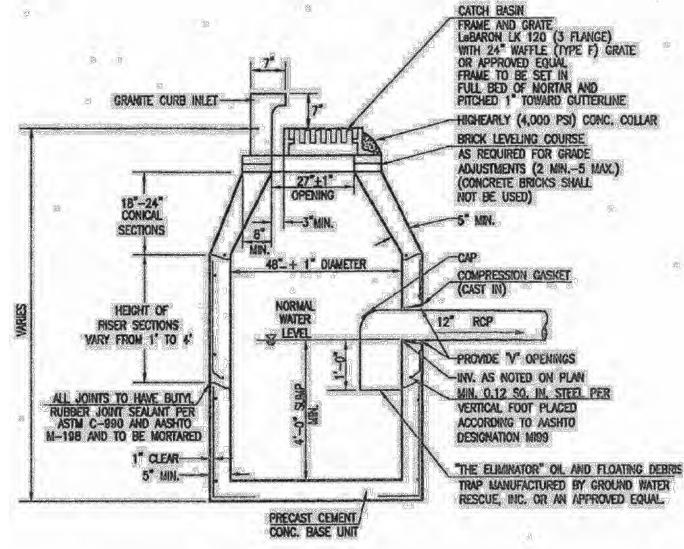
ELEVATION TABLE									
BASIN	BOTTOM BASIN	BASIN TOP BERM	GROUNDWATER	INLET ELEVATION	OUTLET ELEVATION	100YR STORM	25YR STORM	10YR STORM	2YR STORM
1	64.00	68.00	62.00	66.00	65.80	66.17	65.96	65.82	64.69
2	65.10	68.00	63.10	67.00	67.00	67.15	66.72	66.07	65.33



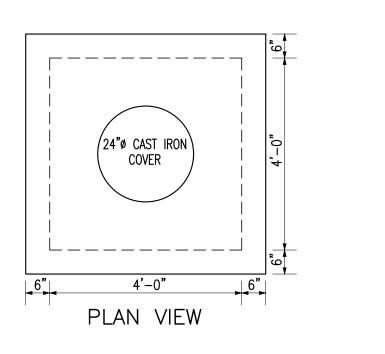
NOT TO SCALE

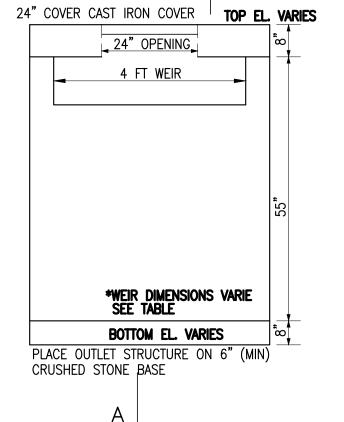


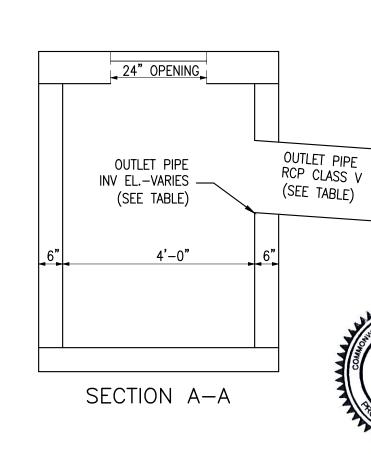


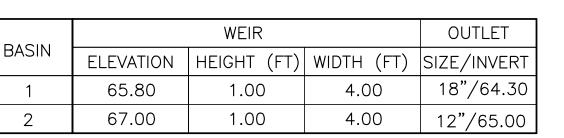




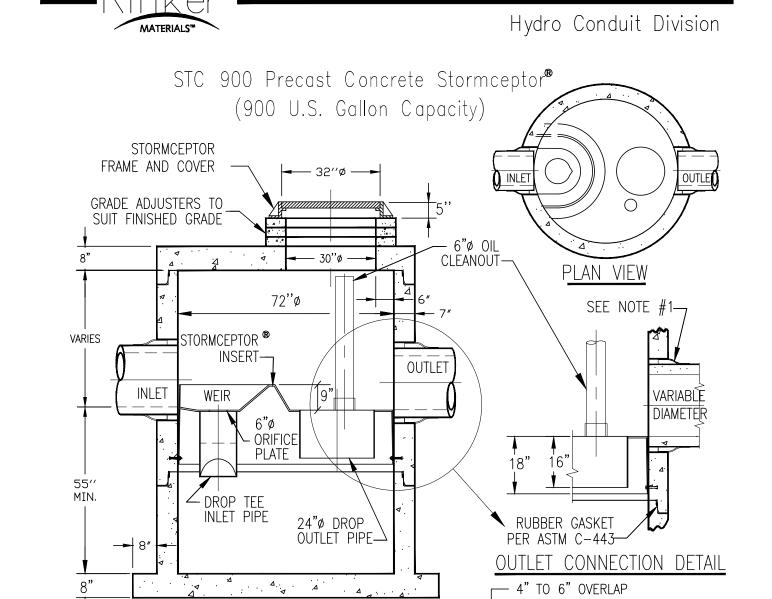








OVERFLOW OUTLET CONTROL STRUCTURE (NOT TO SCALE)



SECTION THRU CHAMBER

ENLARGED INLET TEE DROP PIPE 1. THE USE OF A FLEXIBLE CONNECTION IS RECOMMENDED AT THE INLET AND OUTLET PIPE.

3. THE STORMCEPTOR SYSTEM IS PROTECTED BY ONE OR MORE OF THE FOLLOWING U.S. PATENTS: #4985148, #5498331, #5725760, #5753115, #5849181, #6068765, #6371690.

4. CONTACT A HYDRO CONDUIT REPRESENTATIVE FOR FURTHER DETAILS NOT LISTED ON THIS SHEET.

DETAIL - STORMCEPTOR

(NOT TO SCALE)

KEVIN S. GRADY CML No. 46264

REVISIONS

1/29/20 DEP COMMENTS

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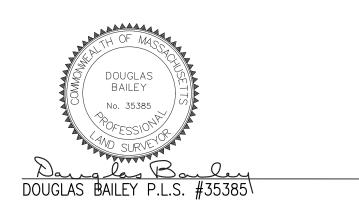
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DATE:

TOWN CLERK, TOWN OF PEMBROKE

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.



## DEFINITIVE SUBDIVISION PLAN

OLD CART PATH LANE EXT. (70 OLD CART PATH LANE) PEMBROKE, MASSACHUSETTS

PREPARED FOR: STEPHEN SAIA 70 OLD CART PATH LANE PEMBROKE, MA 02359

JANUARY 7, 2020 SCALE: AS SHOWN JOB No. 14-346

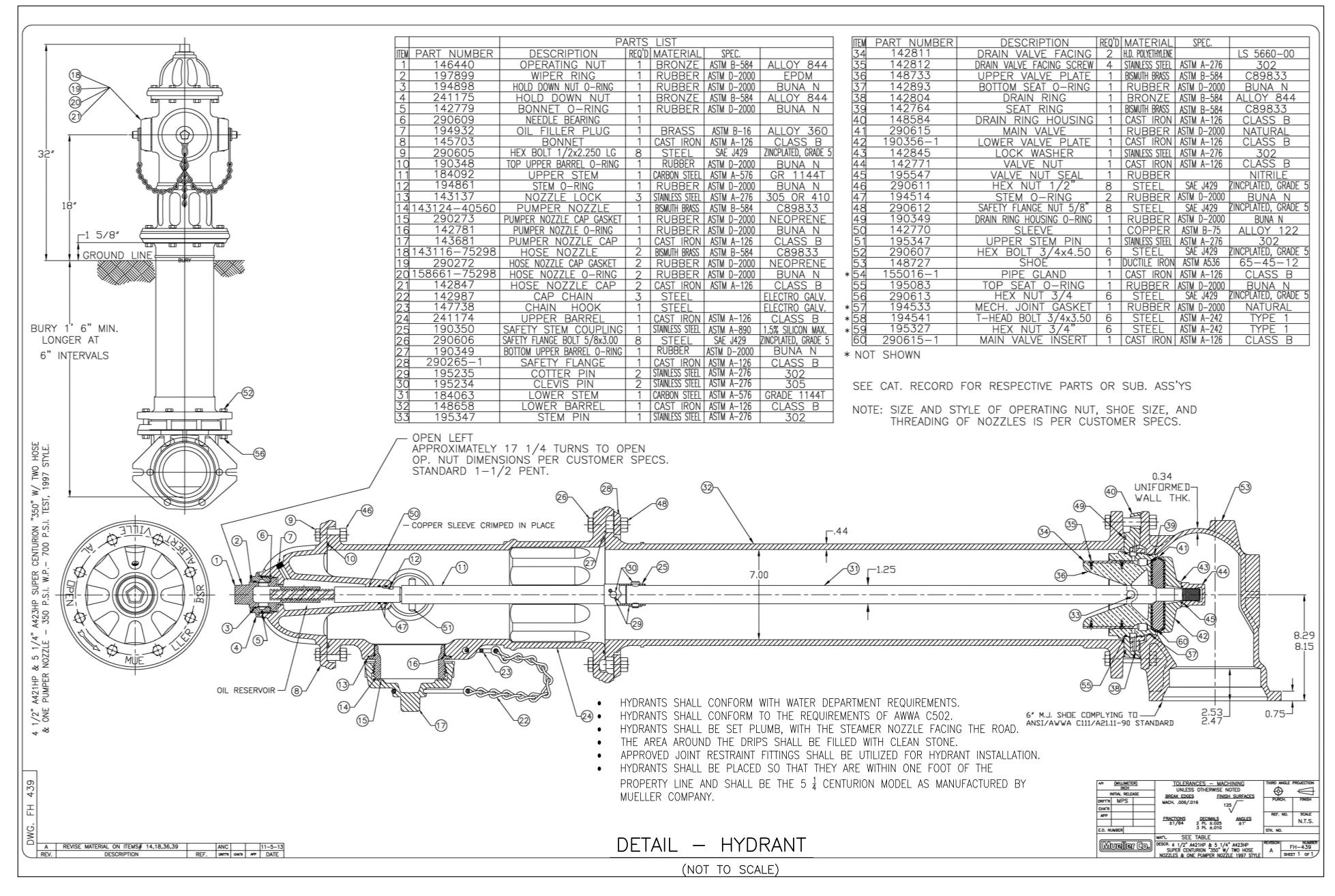
1/29/20

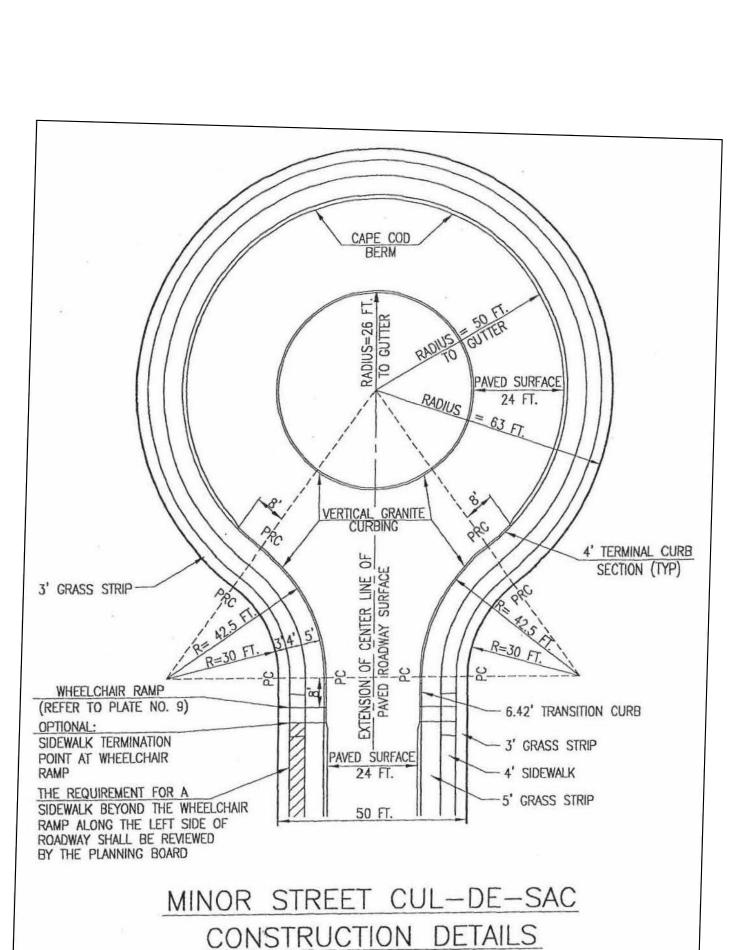


Grady Consulting, L.L.C.

Civil Engineers, Land Surveyors &

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





(NOT TO SCALE)



REVISIONS 1/29/20 DEP COMMENTS PEMBROKE PLANNING BOARD

FOR REGISTRY USE ONLY

APPROVED CONDITIONALLY SUBJECT TO THE COMPLETION OF ALL REQUIRED GROUNDWORK AS SHOWN ON THESE PLANS AND AS SET FORTH IN THE COVENANT.

THIS APPROVAL IS SUBJECT TO A COVENANT DULY EXECUTED DATED THE \_\_\_\_\_DAY OF \_\_\_\_\_\_2018, RUNNING WITH THE LAND TO BE DULY RECORDED BY OR FOR THE OWNER OF THE RECORD.

THIS PLAN IS SUBJECT TO ALL CONDITIONS OF THE PEMBROKE PLANNING BOARD CERTIFICATE OF ACTION DATED \_\_\_\_\_\_ FILED WITH THE PEMBROKE TOWN CLERK ON \_\_\_\_\_\_ AND HEREWITH RECORDED AS PART OF THIS PLAN.

#### PEMBROKE TOWN CLERK

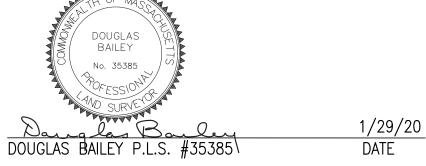
I HEREBY CERTIFY THAT THERE HAS BEEN NO APPEAL TAKEN TO THIS PLANNING BOARD ACTION DURING THE TWENTY DAY STATUTORY APPEAL PERIOD.

DATE:		

DATE SIGNED:

TOWN CLERK, TOWN OF PEMBROKE

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.



AILEY P.L.S. #35385\ DATE

# DEFINITIVE SUBDIVISION PLAN OLD CART PATH LANE EXT. (70 OLD CART PATH LANE) PEMBROKE, MASSACHUSETTS

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