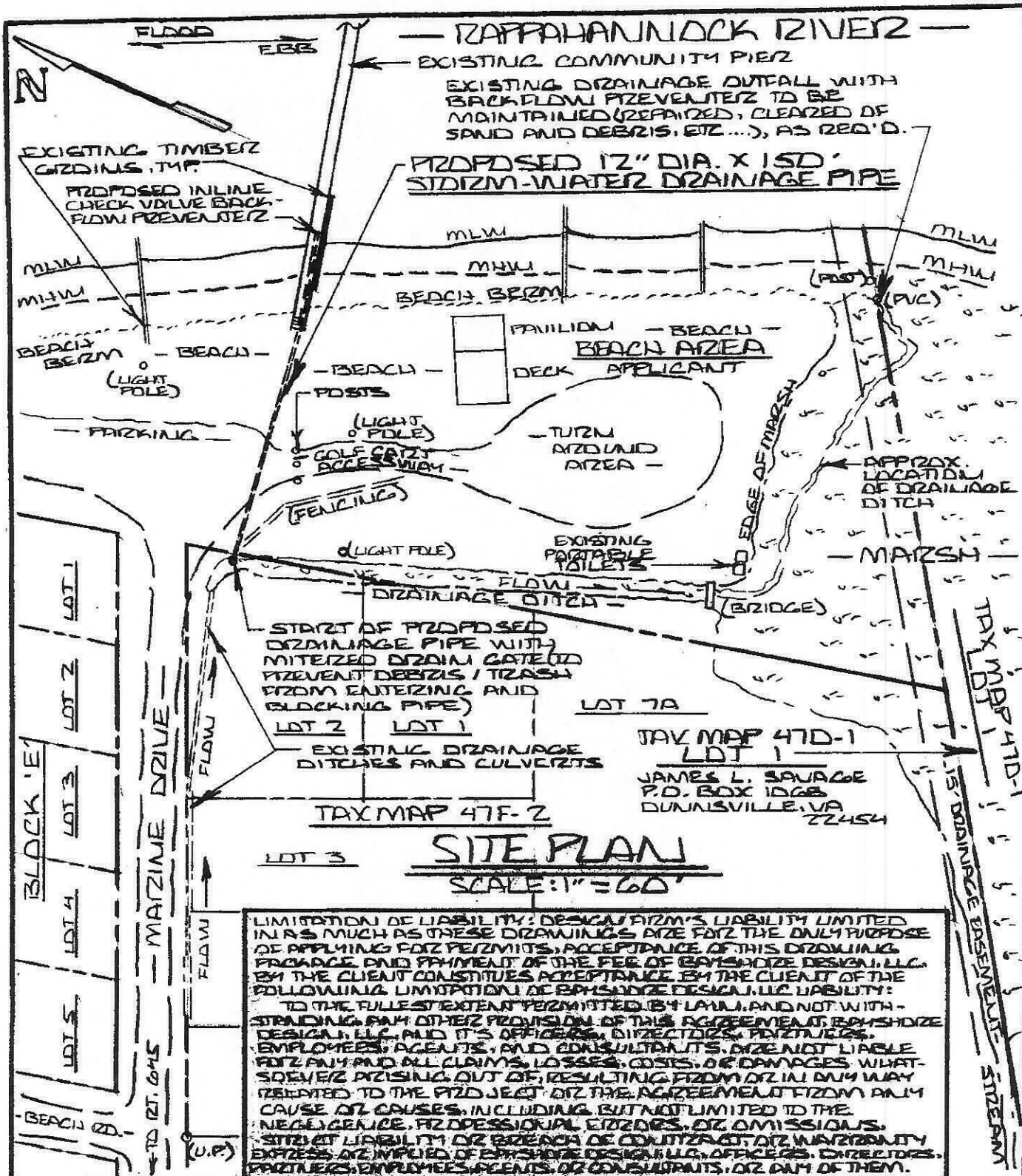
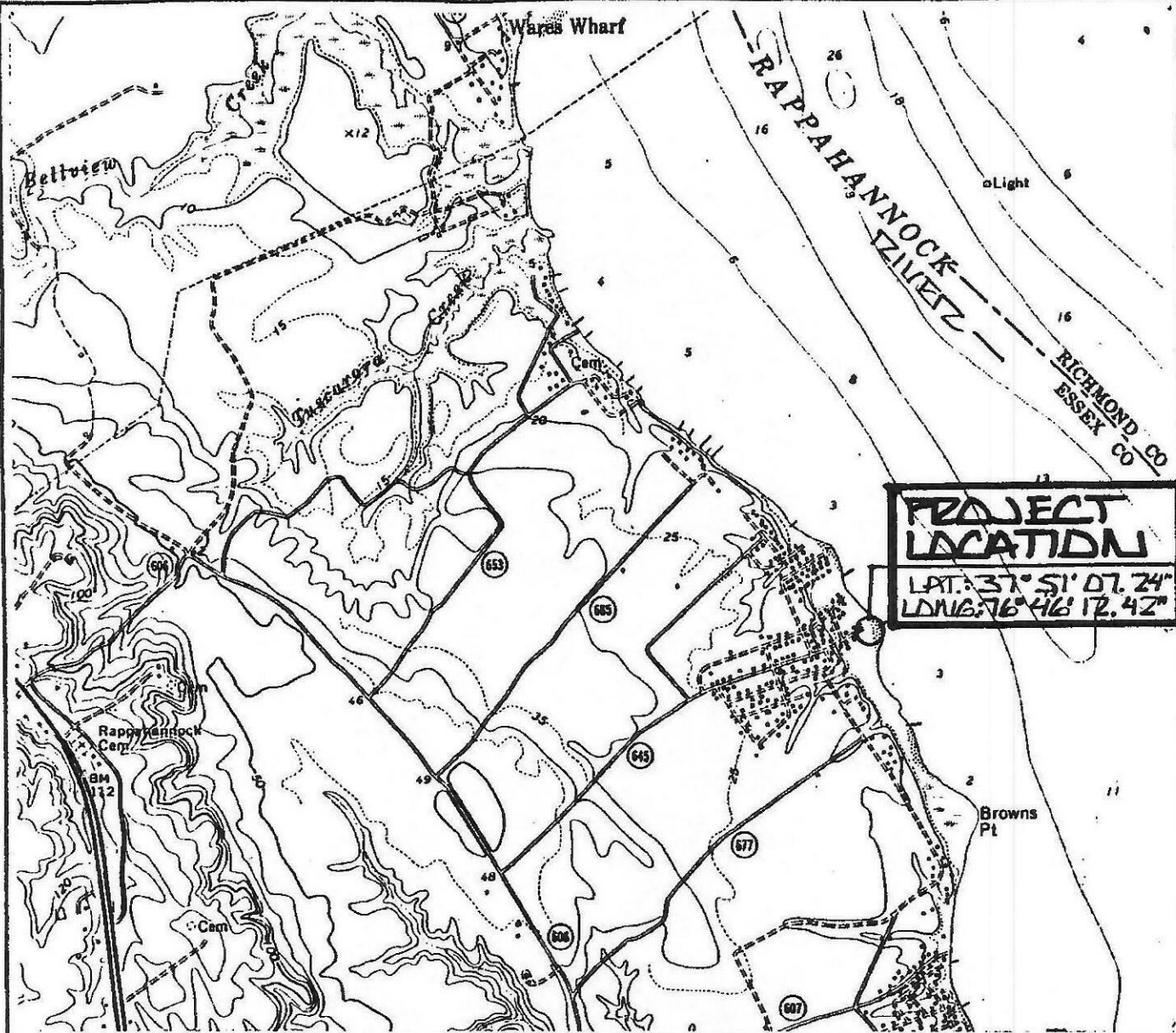




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PROPOSED STORM-WATER DRAINAGE PIPE
RAPPAHANNOCK RIVER ESTATES
CIVIL ASSOCIATION
 8553 MEADOWBRIDGE ROAD
 MEADOWVILLE, VA 23116

LOCATION: BEACH - COMMON AREA -
 RAPPAHANNOCK RIVER ESTATES S.D.V.
 RAPPAHANNOCK DISTRICT TAX MAP
 47F, ESSEX COUNTY, VIRGINIA
PURPOSE: IMPROVE DRAINAGE
 SHEET OF 6 DATE: 8-25-12 BAYSHORE DESIGN, LLC

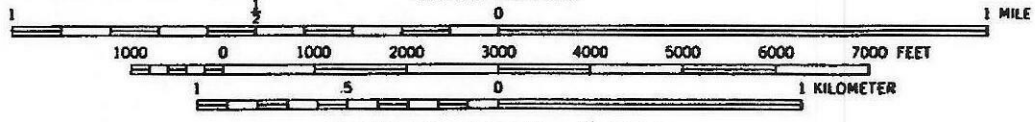
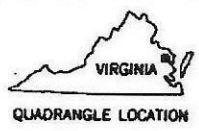


VICINITY MAP

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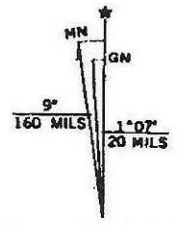
FROM: DUNNSVILLE QUADRANGLE
VIRGINIA
7.5 MINUTE SERIES (TOPOGRAPHIC)

SCALE 1:24000



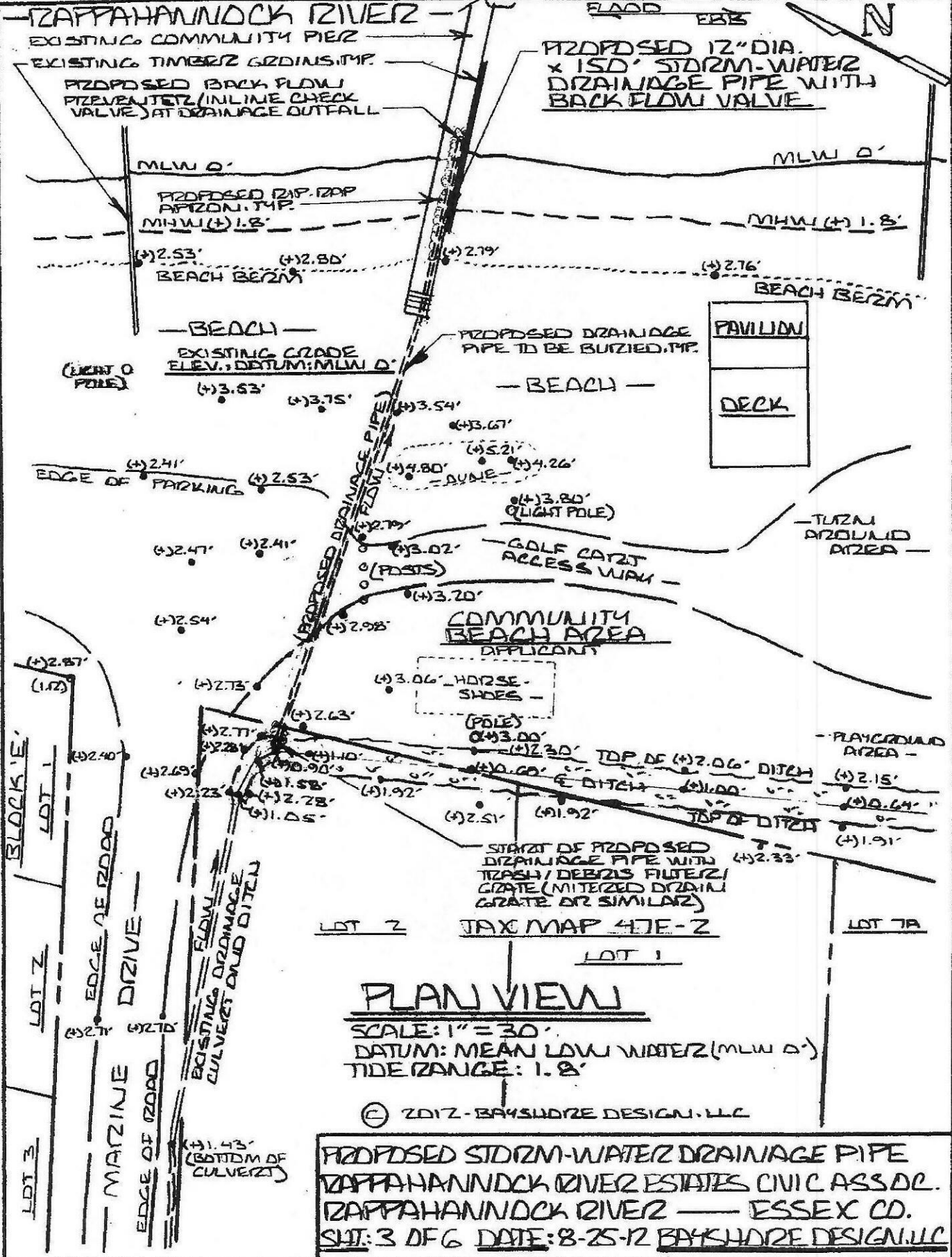
CONTOUR INTERVAL 10 FEET
DOTTED LINES REPRESENT 5-FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS MEAN LOW WATER
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 2.2 FEET



UTM GRID AND 1985 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

PROPOSED 36\"/>



ZAPPAHANNOCK RIVER

FLOOD EBB

N

EXISTING COMMUNITY PIER
EXISTING TIMBER GROINS, TYP.
PROPOSED BACK FLOW
PIEVEINTER/INLINE CHECK
VALVE AT DRAINAGE OUTFALL

PROPOSED 12" DIA.
x 150' STORM-WATER
DRAINAGE PIPE WITH
BACK FLOW VALVE

MLW 0'
PROPOSED R.I.P. 12" DIA.
APPROX. TYP.
MHW (+1.8')
(+2.53' (+2.80' (+2.79' (+2.76'
BEACH BERM
BEACH BERM

BEACH

EXISTING GRADE
ELEV.: DATUM: MLW 0'

PROPOSED DRAINAGE
PIPE TO BE BURIED, TYP.

PAVILION
DECK

(+3.53' (+3.75' (+3.54' (+3.67'
BEACH

EDGE OF PARKING (+2.41' (+2.53'
PROPOSED DRAINAGE PIPE
(+2.41' (+2.41' (+3.02' (+3.20'
(+2.54' (+2.98'
GOLF CART
ACCESS WAY
COMMUNITY
BEACH AREA
APPLICANT

HORSE-
SHOES
(POLE)
(+3.00' (+2.30' TOP OF DITCH
(+2.06' DITCH (+2.15'
(+2.64' (+1.91'

PLAYGROUND
AREA
START OF PROPOSED
DRAINAGE PIPE WITH
TRASH/DEBRIS FILTER/
GRATE (MITERED DRAIN
GRATE OR SIMILAR)
LOT 2 TAX MAP 47E-2 LOT 1 LOT 7A

PLAN VIEW

SCALE: 1" = 30'
DATUM: MEAN LOW WATER (MLW 0')
TIDE RANGE: 1.8'

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PROPOSED STORM-WATER DRAINAGE PIPE
ZAPPAHANNOCK RIVER ESTATES CIVIC ASSOC.
ZAPPAHANNOCK RIVER — ESSEX CO.
SHT: 3 OF 6 DATE: 8-25-12 BAYSHORE DESIGN, LLC

DRAINAGE PIPE PROFILE

VERTICAL SCALE: 1" = 10'
HORIZONTAL SCALE: 1" = 20'

EXISTING DRAINAGE DITCH AT MARINE DRIVE AND BEACH INTERSECTION

INSTALL TRASH / DEBRIS FILTER GRATE AT PIPE INLET; USE MITTERED DRAIN GRATE OR SIMILAR; INSTALL PER MANUFACTURER'S SPECIFICATIONS

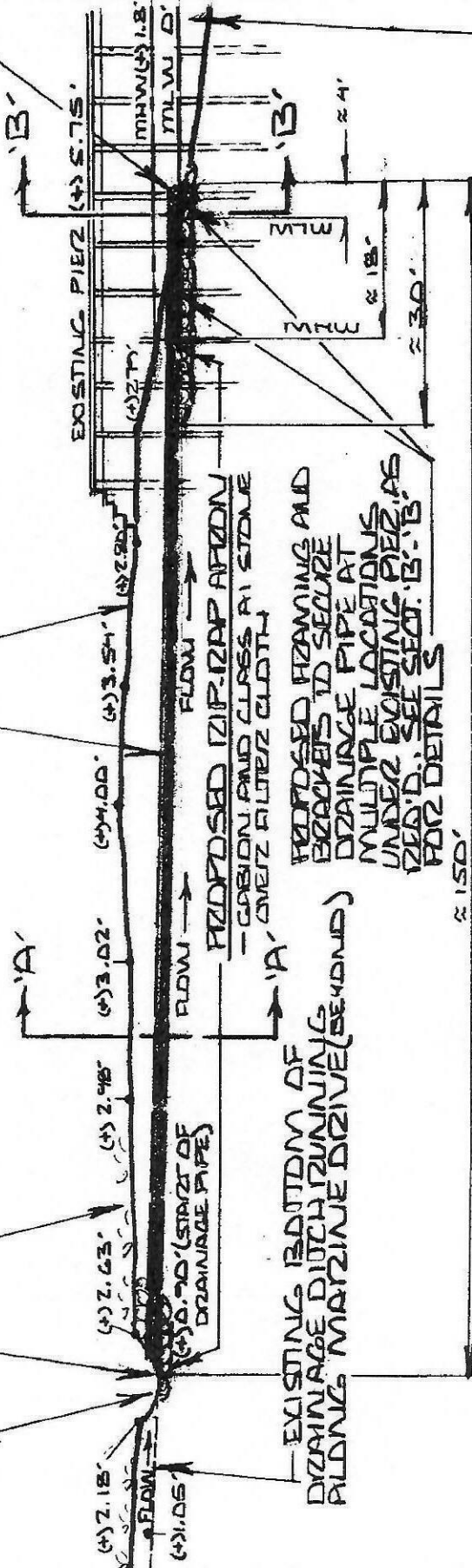
EXISTING GRADE WITH GRASS COVER

PROPOSED STORM-WATER DRAINAGE PIPE

- HIGH DENSITY CORRUGATED POLYETHYLENE PIPE
- INSTALL PER MANUFACTURER'S SPECIFICATIONS

INSTALL INLINE CHECK VALVE AT DRAINAGE PIPE OUTFALL PER MANUFACTURER'S SPECIFICATIONS

EXISTING BEACH GRADE



PROPOSED 12\"/>

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ADEQUATE MAINTENANCE STATEMENT FOR DRAINAGE DESIGN

THE CLIENT IS RESPONSIBLE FOR ADEQUATE CONTINUAL MAINTENANCE OF THE ENTIRE DRAINAGE SYSTEM, INCLUDING THE PROPOSED DRAINAGE PIPELINE AND WITH BACK-FLOW PREVENTER, TO ENSURE ADEQUATE DRAINAGE CAPACITY OF THE SYSTEM.

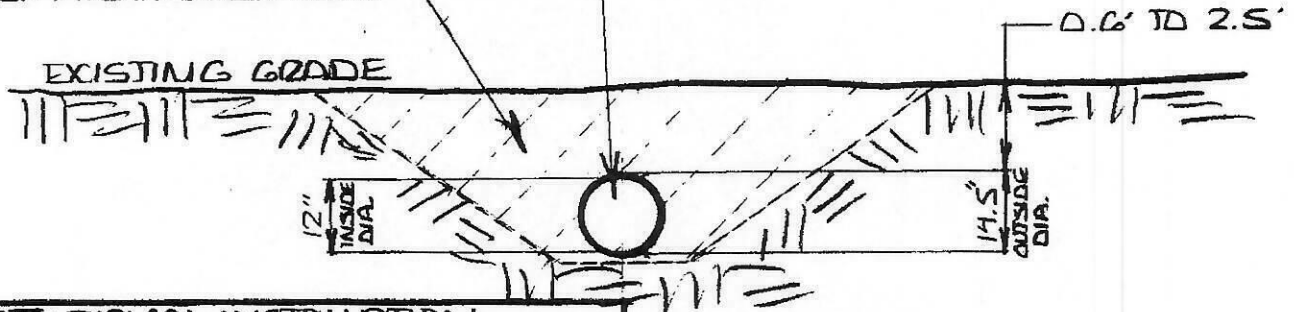
PROPOSED STORM-WATER DRAINAGE PIPE
ZAPPALANADOCK RIVER ESTATES CIVIC ASSOC.
ZAPPALANADOCK RIVERZ — ESSEX CO.
SHT: 4 OF 6 DATE: 8-25-17 BAYSHORE DESIGN, LLC

SECTION 'A'- 'A'

SCALE: 3/8" = 1'

EXCAVATE TRENCH FOR
PIPE INSTALLATION;
BACKFILL TRENCH WITH
EXCAVATED MATERIAL
(SAND) UPON COMPLETION
OF PIPE INSTALLATION

PROPOSED STORM-WATER
DRAINAGE PIPE
- HIGH DENSITY CORRUGATED
POLYETHYLENE PIPE



NOTE: TYPICAL INSTALLATION
AND CONSTRUCTION SHOWN;
CONSULT CONTRACTOR AND / OR
MANUFACTURER FOR FINAL
CONSTRUCTION-INSTALLATION DETAILS

SECTION 'B'- 'B'

SCALE: 3/8" = 1'

EXISTING PIER

PROPOSED 2" X 8" BRACE, BOTH
SIDE OF PILES AND POSTS

PROPOSED 6" X 6" POSTS,
2' 4" TO 5' INTO BOTTOM

PROPOSED INLINE
CHECK VALVE FOR TIDAL
BACKFLOW PREVENTION;
INSTALL PER MANUFACT-
URER'S SPECIFICATIONS

PROPOSED
5/8" DIA.
BOLTS, TYP.

USE METAL BRACKETS
TO SECURE PIPE TO
FRAMING, TYP.

MHW (+) 1.8'

EXISTING GROUND

MHW 0'

PROPOSED RIPRAP PIER

- CASON AND CLASS A1 STONE
OVER FILTER CLOTH

PROPOSED STORM-
WATER DRAINAGE
PIPE, TYP.

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MATERIALS

- ALL LUMBER AND PILES
TO BE PRESSURE TREATED.
- ALL NAILS, BOLTS AND
BRACKETS TO BE
GALVANIZED.

PROPOSED STORM-WATER DRAINAGE PIPE
RAPPAHANNOCK RIVER ESTATES CIVIC ASSN.
RAPPAHANNOCK RIVER — ESSEX CO.
SJT: SDFG DATE: 8-25-12 BAYSHORE DESIGN, LLC

DRAINAGE PIPE INTAKE DETAIL

SCALE: $3/8" = 1'$

EXISTING GRADE

EXISTING DRAINAGE DITCH

PROPOSED MITERED DRAIN (ANGLED GIZARD) AT PIPE INLET; INSTALL PER MANUFACTURERS SPECIFICATIONS

PROPOSED RIP-RAP
- GABION AND CLASS A1
STONE

TO RAFFAHANNOCK RIVER →

-PROPOSED STORM-
WATER DRAINAGE PIPE-

~~PROPOSED~~ ZIP-ZAP
DFTDN

CARBON AND
CLASS A1 STONE

- FILTER CLOTH, APPROX
1199 DZ EQUAL

- EXISTING BOTTOM OF DRAINAGE
DITCH BEYOND DITCH DRAINS INTO
PROPOSED PIPE INLET

DRAINAGE PIPE OUTFALL DETAIL

SCALE: $3/8" = 1'$

FRODOSED STORM-WATER
DRAINAGE PIPE

EXISTING BEACH
GRADE

PROPOSED IN LINE
CHECK VALVE AT PIPE
OUTFALL; INSTALL PER
MANUFACTURERS
SPECIFICATIONS

PROPOSED
RIP-RAP APRON
- GABION AND
CLASS A1 STONE
- MHW (+) 1.8'

MLW D-

FLDM

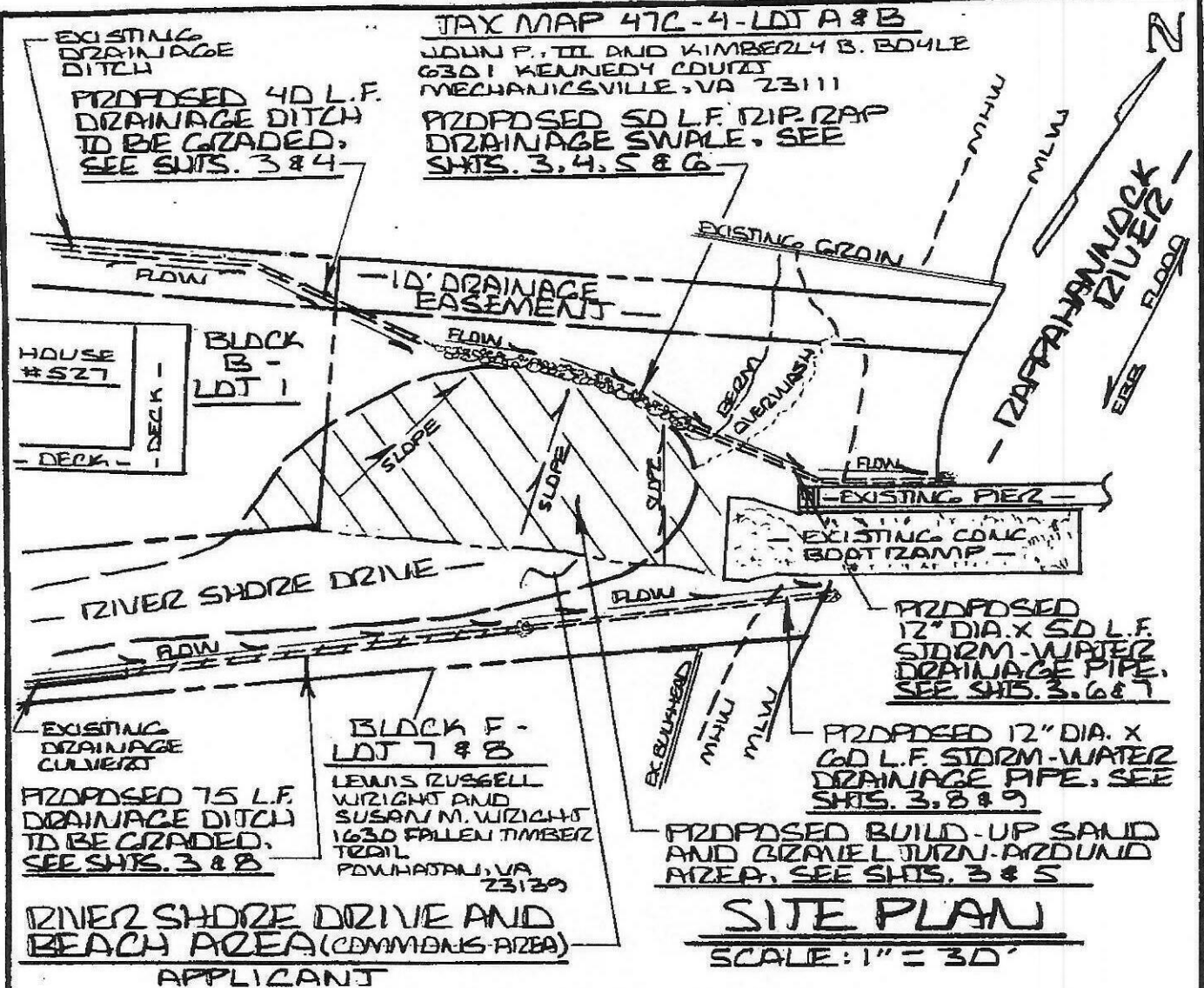
PROPOSED ZIP-RAP

FILTER CLOTH,
AMCO 1199 OF
EQUAL

21' TD MHW

30' - TOTAL LENGTH OF ZIP-ZAP

PROPOSED 30" DIAM. WATER DRAINAGE PIPE
ZAFFARHANNOCK RIVER ESTATES CIVIC ASSOC.
ZAFFARHANNOCK RIVER — ESSEX CO.
SHT.: 6 OF 6 DATE: 8-25-12 BAYSHORE DESIGN, LLC

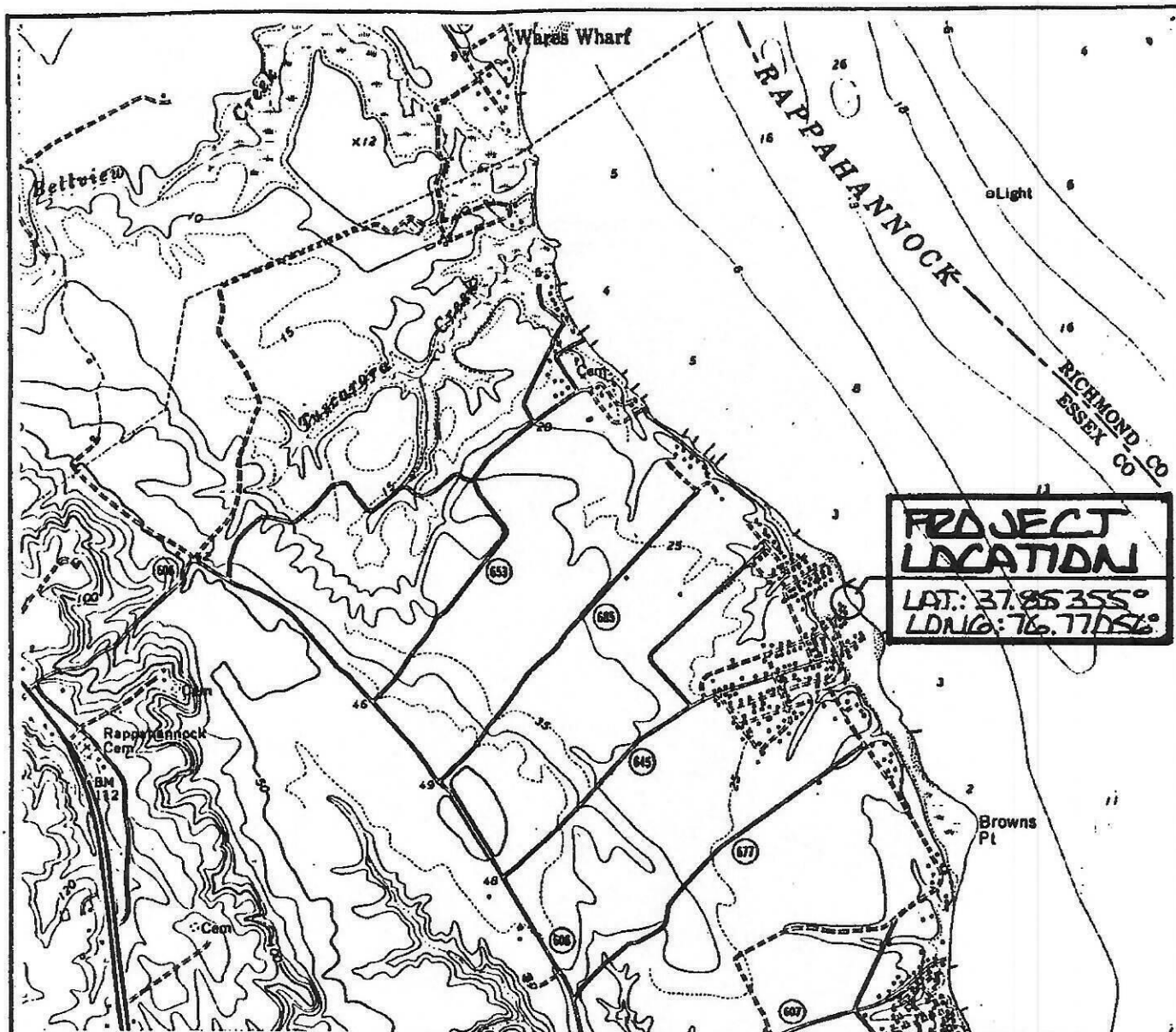


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PROPOSED STORM-WATER DRAINAGE IMPROVEMENTS
RAPPAHANNOCK RIVER ESTATES CIVIC ASSOCIATION
 8552 MEADOWBRIDGE ROAD
 MECHANICSVILLE, VIRGINIA 23112

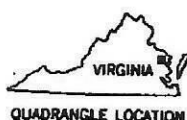
LOCATION: RIVER SHORE DRIVE AND COMMONS AREA, RAPPAHANNOCK RIVER ESTATES S.DIV., RAPPAHANNOCK DIST. TAX MAP 47F, ESSEX CO., VA
PURPOSE: IMPROVE DRAINAGE
SHT: 1 OF 9 **DATE:** 9-10-14 **BAYSHORE DESIGN, LLC**



VICINITY MAP

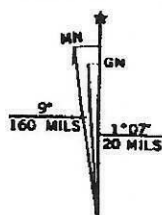
FROM: DUNNSVILLE QUADRANGLE
VIRGINIA
7.5 MINUTE SERIES (TOPOGRAPHIC)

SCALE 1:24000

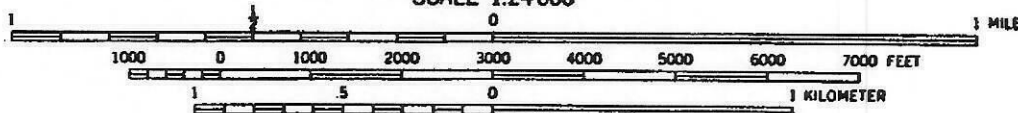


QUADRANGLE LOCATION

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DESIGN, LLC



UTM GRID AND 1985 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET



CONTOUR INTERVAL 10 FEET

DOTTED LINES REPRESENT 5-FOOT CONTOURS

NATIONAL GEODETIC VERTICAL DATUM OF 1929

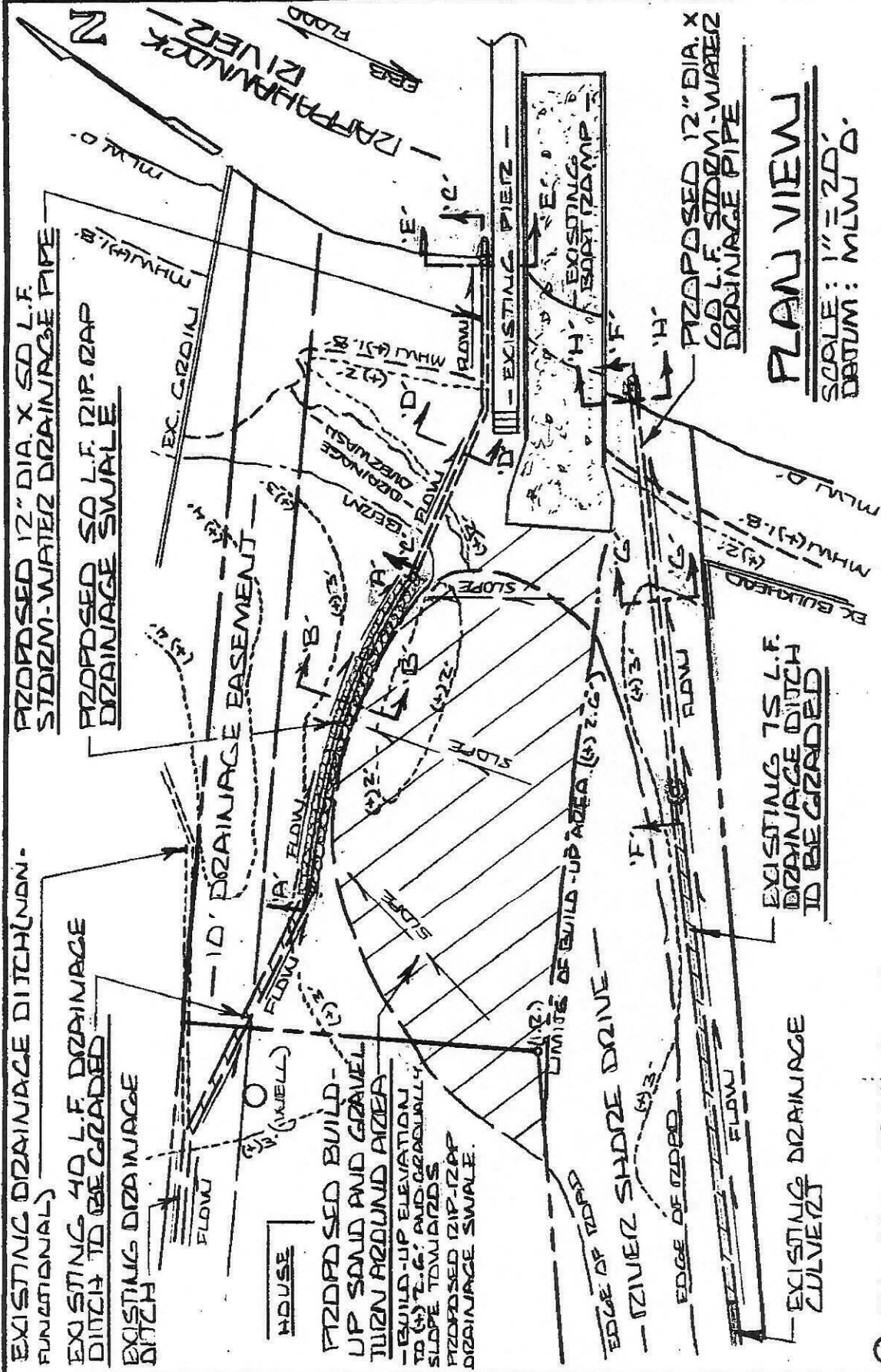
DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS MEAN LOW WATER

THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE

SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER

THE MEAN RANGE OF TIDE IS APPROXIMATELY 2.2 FEET

PROPOSED STREAM-WATER DRAINAGE IMPROVEMENTS
RAPPAHANNOCK RIVER ESTATES CIVIC ASSOC.
RAPPAHANNOCK RIVER — ESSEX CO.
SHT.: 2 OF 9 DATE: 9-10-14 BAYSHORE DESIGN, LLC



PLAN VIEW

SCALE: 1" = 20'
 DATUM: MLW D.

AD ECUATE MAINTENANCE STATEMENT FOR DRAINAGE DESIGN

THE CLIENT IS RESPONSIBLE FOR ADEQUATE CONTINUAL MAINTENANCE OF THE ENTIRE DRAINAGE SYSTEM, INCLUDING THE PROPOSED 12\"/>

PROPOSED STORM-WATER DRAINAGE IMPROVEMENTS
 ZAPPAHANNOCK RIVER ESTATES CIVIC ASSOC.
 ZAPPAHANNOCK RIVER — ESSEX CO.
 SHT: 3 OF 3 DATE: 9-10-14 BAYSHORE DESIGN, LLC

SECTION 'A'- 'A' (2IP-2AP SWALE PROFILE)

VERTICAL SCALE: 3/8" = 1'
HORIZONTAL SCALE: 3/16" = 1'

PROPOSED VEGETATED
DRAINAGE DITCH, TOP

PROPOSED
VEGETATED
SIDE SLOPE, TOP

PROPOSED 2IP-2AP
DRAINAGE SWALE
- CLASS A1 STONE OVER
CARBON COKE STONE BASE

PROPOSED BOTTOM
OF 2IP-2AP DRAINAGE
SWALE

(+) 2.35'

(+) 2.10'

PROPOSED 2IP-2AP BEYOND
SWALE SIDE SLOPE

EXISTING GRADE (+) 2.29'
TO (+) 2.58' (NAD83)

(+) 2.58'

(+) 2.29'

(+) 1.10'

FILTER CLOTH, AMDCO
1195 OR EQUAL

~ 50'

DATUM: MLW 0'
MHW (+) 1.8'

PROPOSED STORM-WATER
DRAINAGE PIPE

- HIGH DENSITY CORRUGATED
POLYETHYLENE PIPE.
- INSTALL PER MANUFACTURERS
SPECIFICATIONS

INSTALL TRASH/DEBRIS
FILTER GRATE AT PIPE
INLET; USE MITERED DRAIN
GRATE OR SIMILAR

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ADEQUATE MAINTENANCE STATEMENT
FOR DRAINAGE DESIGN

THE CLIENT IS RESPONSIBLE FOR ADEQUATE CONTINUAL
MAINTENANCE OF THE ENTIRE DRAINAGE SYSTEM,
INCLUDING THE PROPOSED 2IP-2AP DRAINAGE SWALE
AND DRAINAGE PIPES TO ENSURE ADEQUATE DRAINAGE
CAPACITY OF THE SYSTEM.

PROPOSED STORM-WATER DRAINAGE IMPROVEMENTS
DAPPANANACK DIVER ESTATES CIVIL RES. & C.
DAPPANANACK DIVER — ESSEX CO.
SHT. 4 OF 9 DATE: 9-10-14 BAYSHORE DESIGN, LLC

SECTION 'B'-'B'

SCALE: 1"=1'

EXISTING GRADE
WITH VEGETATION
COVER TO REMAIN

PROPOSED STORM-WATER
DRAINAGE PIPE BEYOND
PROPOSED RIP-RAP
PITZON BEYOND

PROPOSED RIP-RAP
DRAINAGE SWALE
- CLASS #1 STONE OVER
GABION CORIE STONE BASE

PROPOSED BUILT-UP TURN-
AROUND AREA (END OF RIVER
SHORE DRIVEL)
- COMPACTED SAND AND
GRAVEL OVER EXISTING BASE

FILTER CLOTH,
AMCO 1100,
OR EQUAL

FLOW
(+2.6')
(+2.0') TAPER
DOWN TO (+1.0')

EXISTING SAND
& GRAVEL TURN-
AROUND AREA,
(+1.8' TO +2.6')

DATUM: MLW 0'
MINW (+1.8')

~ 4' TO 6'

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ADEQUATE MAINTENANCE STATEMENT
FOR DRAINAGE DESIGN

THE CLIENT IS RESPONSIBLE FOR ADEQUATE CONTINUAL
MAINTENANCE OF THE ENTIRE DRAINAGE SYSTEM,
INCLUDING THE PROPOSED RIP-RAP DRAINAGE SWALE
AND DRAINAGE PIPES TO ENSURE ADEQUATE DRAINAGE
CAPACITY OF THE SYSTEM.

PROPOSED STORM-WATER DRAINAGE IMPROVEMENTS
DRAFFAHANNOCK RIVER ESTATES CIVIC ASSOC.
DRAFFAHANNOCK RIVER
SHT: 5 OF 9, DATE: 9-10-14 BATESHOE DESIGN, LLC

SECTION 'C'-'C' (DRAINAGE PIPE PROFILE)

VERTICAL SCALE: 1/4" = 1'-

HORIZONTAL SCALE: 1" = 1'-

PROPOSED ZIP-RAP
DRAINAGE SWALE

—CLASS AT SIDNEY OVER
CARBON CASE SIDNEY BASE

PROPOSED BOTTOM
OF RIP-RAP DRAINAGE
SWALE

PROPOSED 121P-02AP
SIDE SLOPE BEYOND

PROPOSED STORM-WATER DRAINAGE PIPE

- HIGH DENSITY CORRUGATED POLYETHYLENE PIPE
- INSULL PEZ MANUFACTURERS SPECIFICATIONS

FOUCHARD PIPE —INSTALL PER MANUFACTURERS SPECIFICATIONS

PROPOSED TIMBER FRAMING
TO SECURE DRAINAGE PIPE,
AS REQUIRED

INSTALL TRASH/DEBRIS
FILTER COWIE AT PIPE INLET:
USE MITERED ORAIN GATE FOR
SIMILAR, INSTALL PER
MANUFACTURERS SPECIFICATIONS

EXCAVATE TRENCH FOR
PIPE INSTALLATION; DE-STONE
GRADE TO PRE-INSTALLATION
CONDITION

PROPOSED DIR. OF ARDN
CLASS A1 STONE OVER
CARBON COKE STONE BASE
OVER FILTER CLOTH

FLUKEZ CLATL.
DMDCLD 11999
NO FEAR 181

(+)-2:0

62 617 209

$$-8.1(+7) \text{ M.F.16N}$$

www.d-

22 67

3

27

①

**DARTMOUTH COLLEGE
DIVERS**

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**ADEQUATE MAINTENANCE STATEMENT
FOR DRAINAGE DESIGN**

THE CLIENT IS RESPONSIBLE FOR ADEQUATE CONTINUAL MAINTENANCE OF THE ENZYME DRAINAGE SYSTEM, INCLUDING THE PROPOSED RIP RAP DRAINAGE SWALE AND DRAINAGE PILES TO ENSURE ADEQUATE DRAINAGE CAPACITY OF THE SYSTEM.

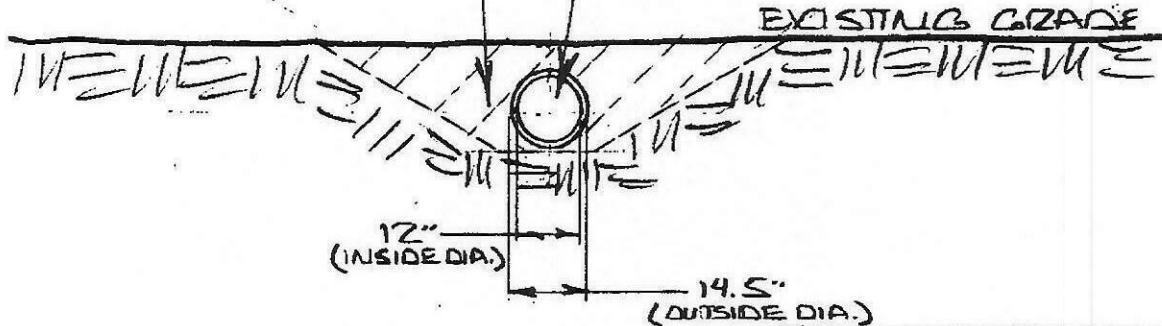
PROPOSED STORM-WATER DRAINAGE IMPROVEMENTS
DARTMOUTH LOCK DIVER ESTATES CIVIL ASSOC.
DARTMOUTH LOCK DIVER — ESSEX CO.
SHT. 6 OF 9 DATE: 9-10-94 BAYSIDE DESIGN, LLC

SECTION 'D'-'D'

SCALE: 3/8"=1'

EXCAVATE TRENCH FOR
PIPE INSTALLATION;
BACKFILL TRENCH WITH
EXCAVATED MATERIAL
(SAND) UPON COMPLETION
OF PIPE INSTALLATION

PROPOSED STORM-
WATER DRAINAGE PIPE
- HIGH DENSITY CORRUGATED
POLYETHYLENE PIPE



NOTE: TYPICAL INSTALL-
ATION & CONSTRUCTION
SHOWN; CONSULT
CONTRACTOR AND/OR
MANUFACTURER FOR
FINAL CONSTRUCTION
INSTALLATION DETAILS

SECTION 'E'-'E'

SCALE: 3/8"=1'

PROPOSED 2"X8" BRACE,
BOTH SIDES OF PILES & POSTS

PROPOSED 6"X6" POSTS,
≈ 4' TO 5' INTO BOTTOM

PROPOSED 5/8"
DIA. BOLTS

MHW (+) 1.8'

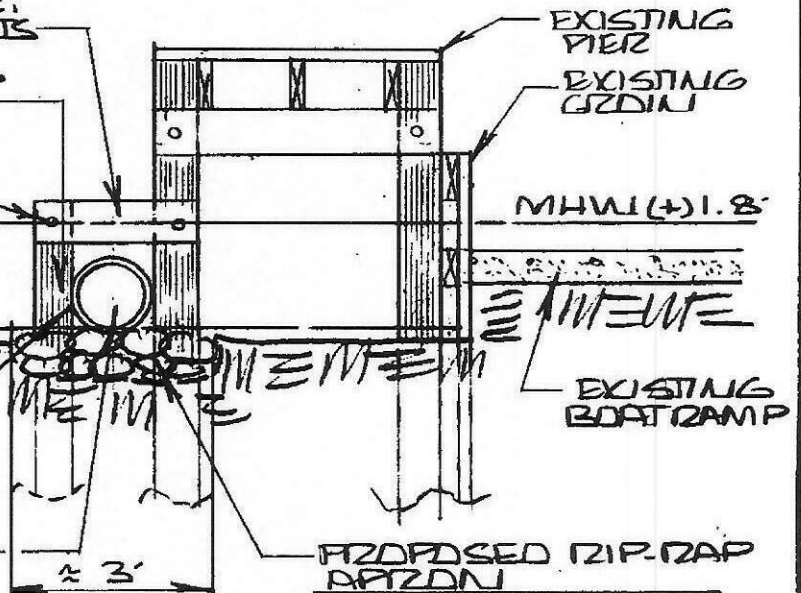
MLW 0'

USE METAL BRACKETS
TO SECURE PIPE TO
FRAMING, TYP.

PROPOSED STORM-WATER
DRAINAGE PIPE, TYP.

MATERIALS

- ALL LUMBER TO BE
PRESSURE TREATED.
- ALL NAILS, BOLTS AND
HARDWARE TO BE HOT-
DIPPED GALVANIZED.



- CLASS A1 STONE OVER
GABION CORE STONE BASE
OVER FILTER CLOTH.

PROPOSED STORM-WATER DRAINAGE IMPROVEMENTS
ZAPPAHANNOCK RIVER ESTATES CIVIC ASSOC.
ZAPPAHANNOCK RIVER — ESSEX CO.
SHT. 7 OF 9 DATE: 9-10-14 BAYSHORE DESIGN, LLC

SECTION 'F'- 'F' (DRAINAGE PIPE PROFILE)

VERTICAL SCALE: 1/4" = 1'
HORIZONTAL SCALE: 1/8" = 1'

EXISTING DRAINAGE DITCH (BOTTOM ELEVATIONS VARY FROM (+) 1.85' TO (+) 2.17') TO BE GRADED. STRAIGHT AT THE BEGINNING OF DITCH (+) 1.85' AND TAPER DOWN TO (+) 1.5' AT DRAINAGE PIPE INTAKE

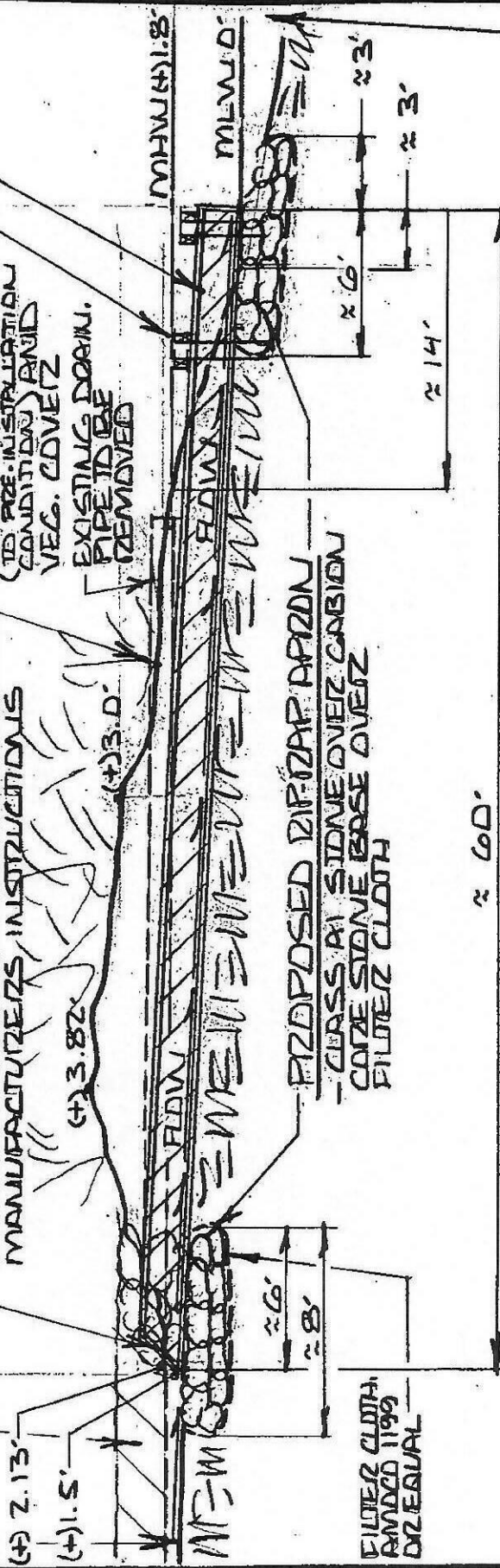
EXISTING DRAINAGE DITCH SIDE SLOPE TO BE GRADED AS REQUIRED AND RE-ESTABLISH VEGETATED COVER

PROPOSED 30" D.M. WATER DRAINAGE PIPE
- HIGH DENSITY CORRUGATED POLYETHYLENE PIPE
- INSTALL PER MANUFACTURER'S SPECIFICATIONS

PROPOSED TIMBER FRAMING TO SECURE DRAINAGE PIPE, AS REQ'D.

INSTALL TRASH/DEBRIS FILTER GATE AT PIPE INLET; USE MITERED DRAIN GATE OR SIMILAR; INSTALL PER MANUFACTURER'S INSTRUCTIONS

EXCAVATE TRENCH FOR PIPE INSTALLATION; (TO PRE-INSTALLATION CONDITION) AND VEG. COVER
EXISTING DRAIN. PIPE TO BE REMOVED



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DRAINAGE DITCH

ADEQUATE MAINTENANCE STATEMENT FOR DRAINAGE DESIGN

THE CLIENT IS RESPONSIBLE FOR ADEQUATE CONTINUAL MAINTENANCE OF THE EXISTING DRAINAGE SYSTEM, INCLUDING THE PROPOSED DRAINAGE SYSTEM, AND DRAINAGE PIPES TO ENSURE ADEQUATE DRAINAGE CAPACITY OF THE SYSTEM.

PROPOSED 30" D.M. WATER DRAINAGE IMPROVEMENTS
DRAINAGE DITCH ESTATES CIVIL DESIG.
DRAINAGE DITCH — ESSEX CO.
SHT. 8 OF 9 DATE: 9-10-14 BATHORNE DESIGN, LLC

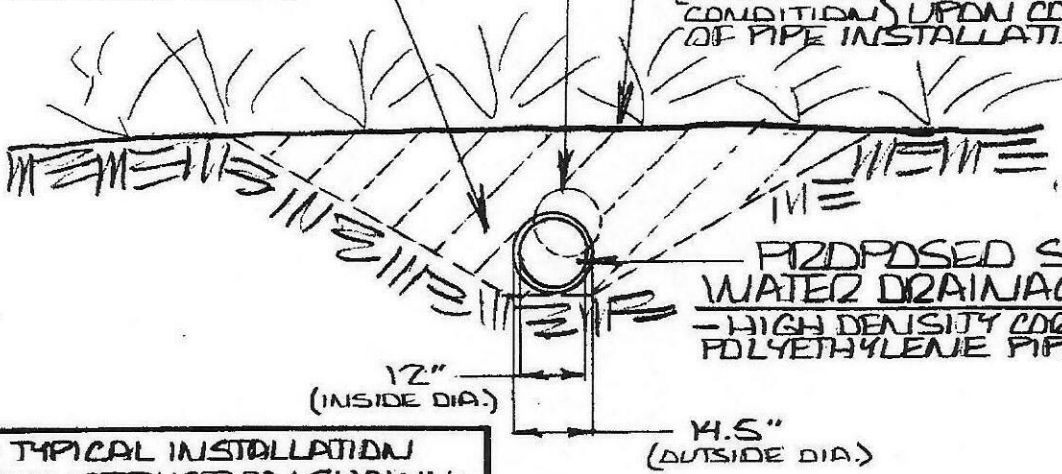
SECTION 'G'-'G'

SCALE: 3/8" = 1'

EXCAVATE TRENCH FOR PIPE INSTALLATION; BACK-FILL TRENCH WITH EXCAVATED MATERIAL (SAND) UPON COMPLETION OF PIPE INSTALLATION

EXISTING DETERIORATED DRAINAGE PIPE TO BE REMOVED

EXISTING GRADE WITH VEG. COVER TO BE RE-SET (TO PRE-PIPE INSTALLATION CONDITION) UPON COMPLETION OF PIPE INSTALLATION



NOTE: TYPICAL INSTALLATION AND CONSTRUCTION SHOWN; CONSULT CONTRACTOR AND/OR MANUFACTURER FOR FINAL CONSTRUCTION - INSTALLATION DETAILS

SECTION 'H'-'H'

SCALE: 3/8" = 1'

PROPOSED STORM-WATER DRAINAGE PIPE, TYP.

PROPOSED 5/8" DIA. BOLTS

USE METAL BRACKETS TO SECURE PIPE TO FRAMING, TYP.

PROPOSED 2"x8" BRACE, BOTH SIDES OF POSTS

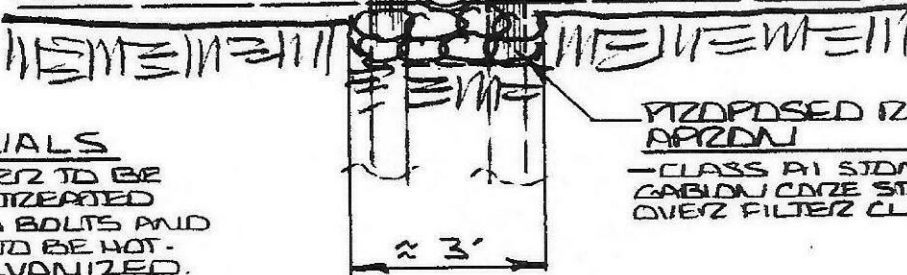
PROPOSED 6"x6" POSTS, ~4' TO 5' INTO BOTTOM

MHW (+) 1.8'

MHW (+) 1.8'

MLW 0'

MLW 0'



MATERIALS

- ALL LUMBER TO BE PRESSURE TREATED
- ALL NAILS, BOLTS AND HARDWARE TO BE HOT-DIPPED GALVANIZED.

PROPOSED 12"x12 ZAP APRON

- CLASS A1 STONE OVER GABION CORE STONE BASE OVER FILTER CLOTH

PROPOSED STORM-WATER DRAINAGE IMPROVEMENTS
ZAPPAHANNOCK RIVER ESTATES CIVIC ASSOC.
ZAPPAHANNOCK RIVER — ESSEX CO.
SHT.: 9 OF 9 DATE: 9-10-14 BAYSHORE DESIGN, LLC

COMMUNITY

DRAINAGE
PIPE (EXISTING)

TIMBERZ
GROWNS,TYPE:

10/11/20

1677MTHU

NOTE

DEAR

WRIGHT POLE)

GOLF CARD ACCESS MAY -

ZAPPALANUDD ZIVER
ESTATES S'DIV.

DRIVER DRIVE AND BEACH AREA
STORM-WATER DRAINAGE
IMPROVEMENTS - CONCEPTUAL PLAN

SCALE: 1" = 30'

DATE: MEAN LOW WATER (MLW 0.)

DATE: AUGUST 15, 2014

REVISED SEPT. 12, 2014

BAVSHADIZE DESIGN, LLC
P.O. BOX 339 - KINSALENA 724883

FLOOD EGG

ZAPPAHANNOCK RIVER

PROPOSED 12" DIA. X 70 L.F.
STORM-WATER DRAINAGE
PIPE WITH BACK-FLOW VALVE

BOTTOM OF
OUTFALL PIPE
ELEV.: MLW 0'

COMMUNITY
PIER

TIMBER
CRADLES JUP.

DRAINAGE
PIPE (EXISTING)

MLW 0'

MLW (+1.5')

PAVILION
DECK

QLIGHT POLE

GOLF CART ACCESS WAY

PROPOSED BUILD-UP
GRAVEL ROAD TO
(+2.5' ELEV.)

PROPOSED
MITERED
DRAIN GATE
OR SIMILAR

BOTTOM OF DRAINAGE
PIPE INTAKE
ELEV.: (+1.5')

ZAPPAHANNOCK RIVER ESTATES S'DIV.

RIVER DRIVE AND BEACH AREA STORM-WATER DRAINAGE IMPROVEMENTS - CONCEPTUAL PLAN

SCALE: 1" = 30'

DATUM: MEAN LOW WATER (MLW 0')

DATE: AUGUST 15, 2014

BEACHSIDE DESIGN, LLC
P.O. BOX 339 - KINGSALE, VA 22426

