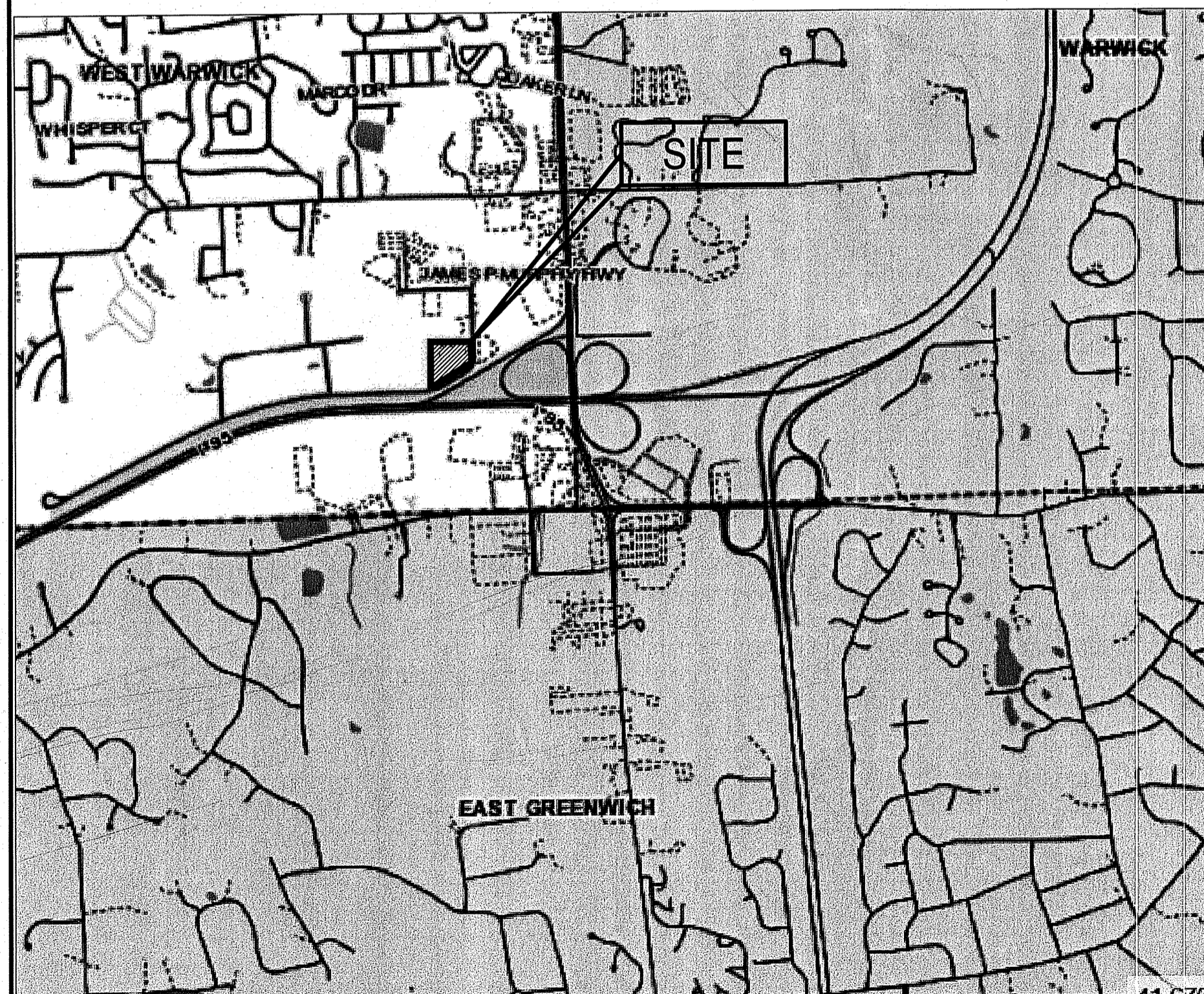


CHADWICK-BAROSS, INC.
 31 JAMES MURPHY IND. HWY.
 WEST WARWICK, RI 02893

SITE ALTERNATION PERMIT & WETLAND PRELIMINARY DETERMINATION

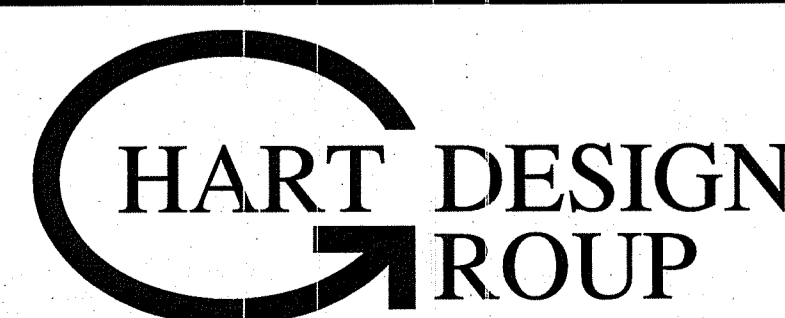
HART DESIGN GROUP PROJECT NUMBER: 18054
 OCTOBER 22, 2019 - ISSUED FOR PERMIT



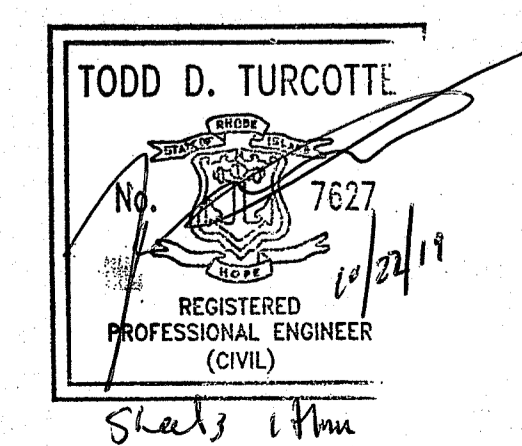
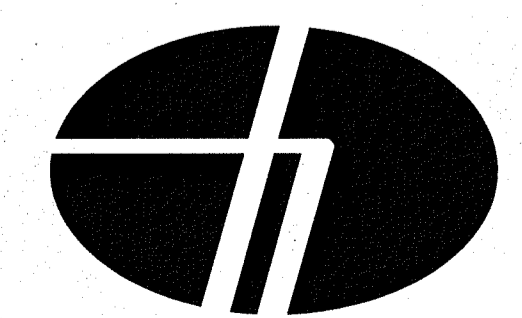
GENERAL					
SHEET NO.	TITLE	ISSUE	REVISION	REV. DATE	
G-001	COVER SHEET	IFP	B	10/22/2019	
CIVIL					
SHEET NO.	TITLE	ISSUE	REVISION	REV. DATE	
C-100	EXISTING SITE PLAN	IFP	A	8/16/2019	
C-101	SITE PLAN & SURFACE AREA	IFP	B	10/22/2019	
C-102	SOIL EROSION & SEDIMENT CONTROL PLAN	IFP	B	10/22/2019	
C-103	PROPOSED PROFILES PLAN	IFP	B	10/22/2019	
C-104	PROPOSED RETAINING WALL	IFP	A	8/16/2019	

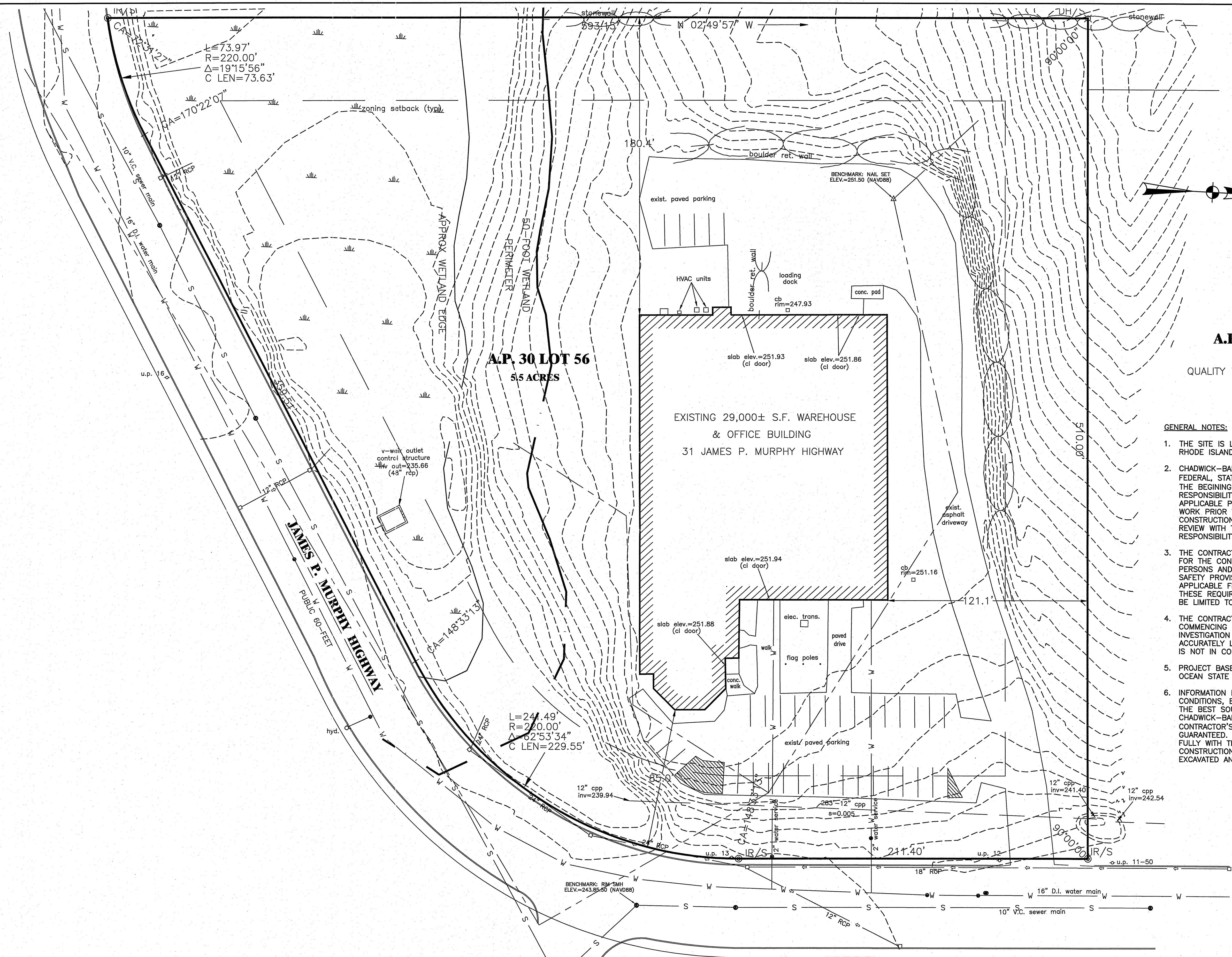
Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED DEC 13 2019 FILE # 19-0278
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Kerry L. Freeman



HART DESIGN GROUP
 HIGHLAND CORPORATE PARK, 800 SCENIC VIEW DRIVE
 CUMBERLAND, RI 02864
 TEL: (401) 658-4600 FAX: (401) 658-4609
 WWW.HARTCOMPANIES.COM





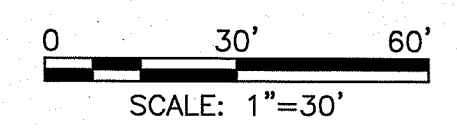
Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

AP. 30 LOT 55
N/F
QUALITY TRANSFORMING, INC.

GENERAL NOTES:

1. THE SITE IS LOCATED AT 31 JAMES MURPHY HWY., WEST WARWICK, RHODE ISLAND.
2. CHADWICK-BAROSS IS RESPONSIBLE FOR OBTAINING ALL NECESSARY FEDERAL, STATE, AND LOCAL APPROVALS AND/OR PERMIT PRIOR TO THE BEGINNING OF ANY SITE IMPROVEMENTS/CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BE FAMILIAR WITH THE APPLICABLE PROVISIONS OF EACH PERMIT AS THEY APPLY TO THE WORK PRIOR TO BIDDING AND ABIDE BY THOSE PROVISIONS DURING CONSTRUCTION. COPIES OF ALL OBTAINED PERMITS ARE AVAILABLE FOR REVIEW WITH THE OWNER. ALL OTHER PERMITS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
3. THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING THE PERFORMANCE OF THE WORK. SAFETY PROVISIONS SHALL COMPLY WITH OSHA AND OTHER APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS. THESE REQUIREMENTS SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS.
4. THE CONTRACTOR MUST VERIFY ALL EXISTING CONDITION PRIOR TO COMMENCING WORK. CONTRACTOR TO PROVIDE TEST PITS. SUBSURFACE INVESTIGATION TECHNIQUES AND OTHER MEASURES AS REQUIRED TO ACCURATELY LOCATE EXISTING CONDITION AND TO CONFIRM NEW WORK IS NOT IN CONFLICT WITH EXISTING.
5. PROJECT BASE PLANS WERE DEVELOPED FROM SURVEY CONDUCTED BY OCEAN STATE PLANNER, INC. DATED NOV. 14, 2018.
6. INFORMATION PROVIDED ON THE DRAWINGS RELATING TO SUBSURFACE CONDITIONS, EXISTING UTILITY LINES, AND OTHER STRUCTURES IS FROM THE BEST SOURCES PROVIDED TO HART DESIGN GROUP BY CHADWICK-BAROSS. ALL SUCH INFORMATION IS FURNISHED FOR THE CONTRACTOR'S INFORMATION AND CONVENIENCE AND IS NOT GUARANTEED. AS SUCH, THE CONTRACTOR SHALL FAMILIARIZE ITSELF FULLY WITH THE CONDITIONS TO BE ENCOUNTERED DURING CONSTRUCTION, INCLUDING SOILS AND OTHER MATERIALS TO BE EXCAVATED AND THE POTENTIAL TO ENCOUNTER LEDGE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED DEC 13 2019 FILE # 19-0278
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Freeman



HART DESIGN GROUP
A MEMBER OF THE HART COMPANIES

HIGHLAND CORPORATE PARK
800 SCENIC VIEW DRIVE
CUMBERLAND, RI 02864
TEL: (401) 658-4600
FAX: (401) 658-4609
WWW.HARTCOMPANIES.COM

Steere ENGINEERING INC

DSGN	REV.	DATE	REVISION DESCRIPTION	DWG.	CHKD.	APPD.
DR	A	08/16/2019	ISSUED FOR PERMIT			
CHK						
APVD						

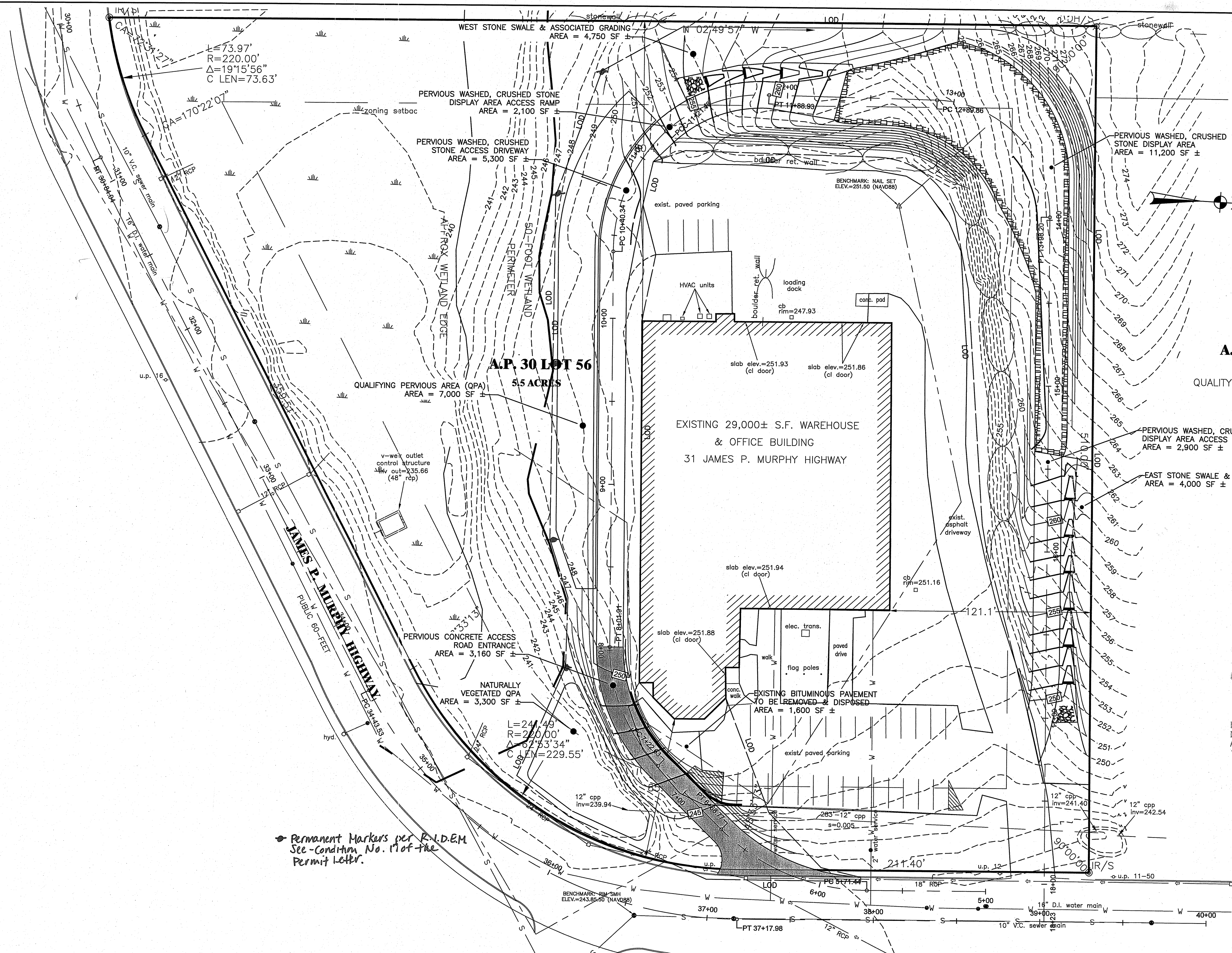
BAR IS ONE INCH ON ORIGINAL DRAWING.
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

Chadwick-BaRoss

CHADWICK-BAROSS, INC.
31 JAMES MURPHY IND. HWY.
WEST WARWICK, RI 02893

EXISTING SITE PLAN

PROJ. NO: 18054
CAD FILE: 18054SCX101.DWG
SHEET NUMBER
C - 100



A.P. 30 LOT 55
N/F
QUALITY TRANSFORMING, INC.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED DEC 13 2019 FILE # 19-0276
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

0 30' 60'
SCALE: 1"=30'

ISSUED FOR PERMIT

HART DESIGN GROUP
A MEMBER OF THE HART COMPANIES
HIGHLAND CORPORATE PARK
800 SCENIC VIEW DRIVE
CUMBERLAND, RI 02864
TEL: (401) 658-4600
FAX: (401) 658-4609
WWW.HARTCOMPANIES.COM

Steere ENGINEERING INC

DSGN	REV.	DATE	REVISION DESCRIPTION	DWG.	CHKD.	APPD.
DR	A	08/16/2019	ISSUED FOR PERMIT			
	B	10/22/2019	RE-ISSUED FOR PERMIT			
CHK						
APVD						

BAR IS ONE INCH ON ORIGINAL DRAWING.
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

Chadwick-BaRoss

CHADWICK-BAROSS, INC.
31 JAMES MURPHY IND. HWY.
WEST WARWICK, RI 02893

SITE PLAN & SURFACE AREA

PROJ. NO: 18054
CAD FILE: 18054SCX101.DWG
SHEET NUMBER
C - 101

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED DEC 13 2019 FILE # 19-0278
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE
 Nancy L. Freeman

A.P. 30 LOT 55
 N/F
 QUALITY TRANSFORMING, INC.

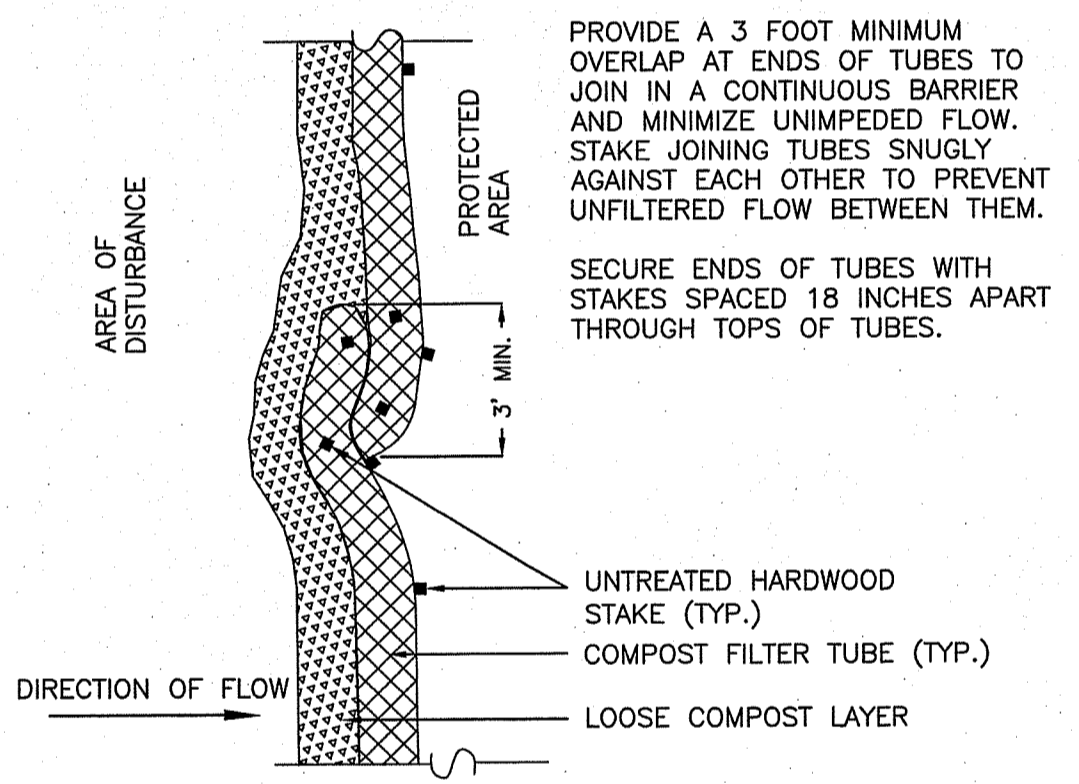
A.P. 30 LOT 56
 5.5 ACRES

EXISTING 29,000± S.F. WAREHOUSE
 & OFFICE BUILDING
 31 JAMES P. MURPHY HIGHWAY

- NOTES:**
- LARGE STONE/BOULDER SLOPES TO BE CONSTRUCTED WITH EXISTING STONES/BOULDERS ON SITE.
 - NO WORK WILL BE DONE WITHIN THE 50-FOOT PERIMETER WETLAND.
 - A PORTION OF AP 30 LOT 56 IS LOCATED WITHIN A ZONE AE FLOOD ZONE AS SHOWN ON FEMA MAP 44003e0117H.
 - NO FILL WILL BE PLACED WITHIN THE FLOOD ZONE.
 - A WASHED, CRUSHED STONE ACCESS DRIVEWAY IS TO BE CONSTRUCTED TO PROVIDE VEHICLE (TRUCK) ACCESS TO THE REAR OF THE PROPERTY. THE AREA BETWEEN THE ACCESS DRIVEWAY AND THE 50-FOOT PERIMETER WETLAND SHALL BE RESERVED AS A QUALIFYING PERVIOUS AREA (QPA).
 - STONE ACCESS DRIVEWAY IS TO BE CONSTRUCTED USING 6"-8" OF 3"-4" WASHED, CRUSHED STONE ON TOP OF 12" REINFORCED GRAVEL (SEE TYPICAL SECTIONS).
 - PERVIOUS DISPLAY AREA ACCESS RAMPS ARE TO BE CONSTRUCTED USING 8"-12" OF 4"-6" WASHED, CRUSHED STONE ON TOP OF 12" REINFORCED GRAVEL.
 - STONE SWALES ALONG THE DISPLAY AREA ACCESS RAMPS ARE TO BE CONSTRUCTED USING 6"-8" OF 3"-4" WASHED, CRUSHED STONE PLACED ON TOP OF 6" OF 3"-1" BEDDING STONE AND GEOTEXTILE.
 - ALL SOIL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE.
 - WETLANDS DELINEATED BY NATURAL RESOURCE SERVICES INC.: REPORT OF FINDINGS FOR FRESHWATER SITE INSPECTION, 31 JAMES P. MURPHY HIGHWAY; AP 30 LOT 56; WEST WARWICK RI, MAY 14, 2018.
 - RISDISM, SECTION 3.2.6. REDEVELOPMENT CRITERIA. SITE DISTURBS LESS THAN 10,000 SF OF EXISTING IMPERVIOUS AREA AND MAY BE CONSIDERED A REDEVELOPMENT PROJECT.

0 30' 60'
 SCALE: 1"=30'

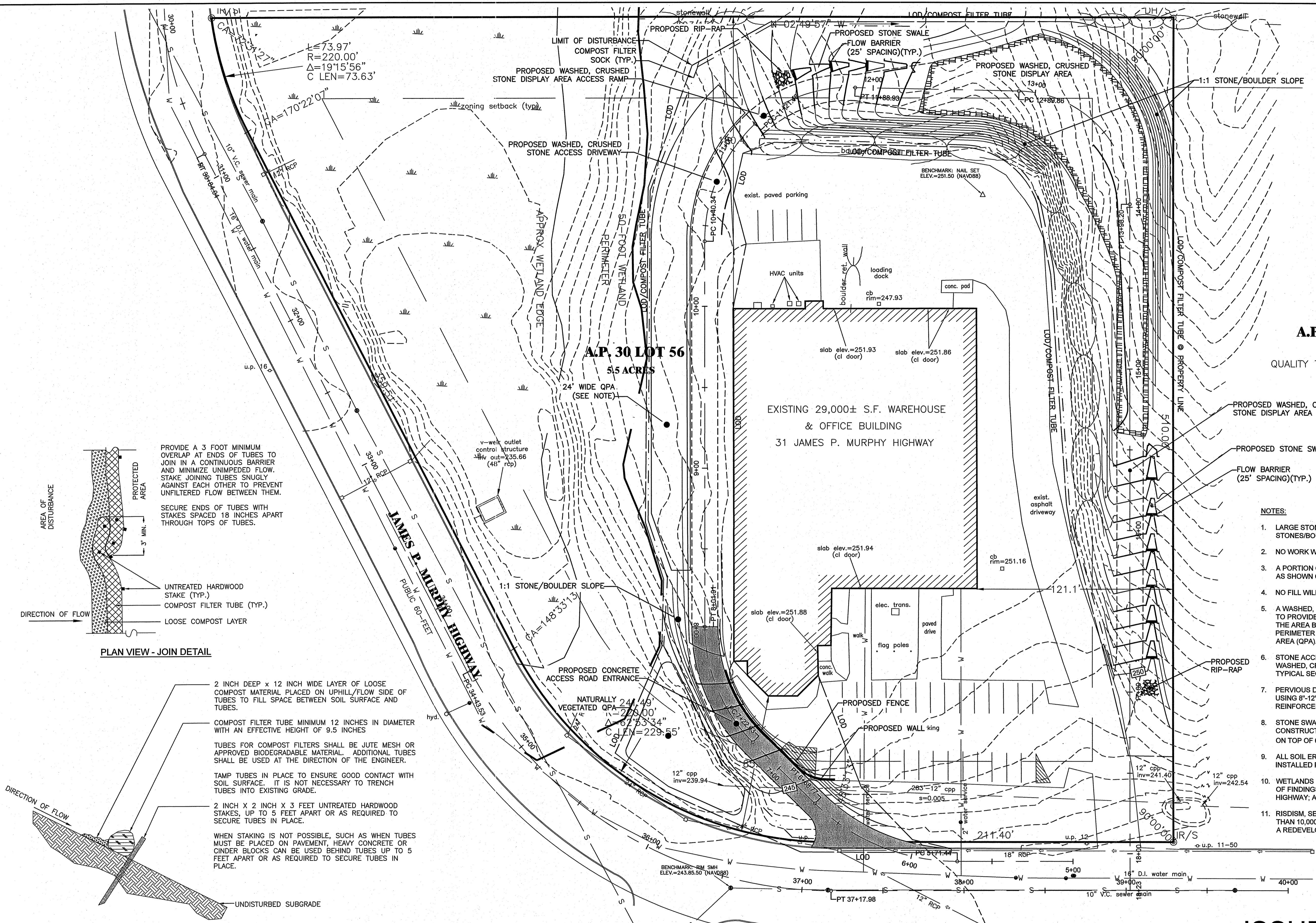
ISSUED FOR PERMIT



PLAN VIEW - JOIN DETAIL

- 2 INCH DEEP x 12 INCH WIDE LAYER OF LOOSE COMPOST MATERIAL PLACED ON UPHILL/FLOW SIDE OF TUBES TO FILL SPACE BETWEEN SOIL SURFACE AND TUBES.
- COMPOST FILTER TUBE MINIMUM 12 INCHES IN DIAMETER WITH AN EFFECTIVE HEIGHT OF 9.5 INCHES
- TUBES FOR COMPOST FILTERS SHALL BE JUTE MESH OR APPROVED BIODEGRADABLE MATERIAL. ADDITIONAL TUBES SHALL BE USED AT THE DIRECTION OF THE ENGINEER.
- TAMP TUBES IN PLACE TO ENSURE GOOD CONTACT WITH SOIL SURFACE. IT IS NOT NECESSARY TO TRENCH TUBES INTO EXISTING GRADE.
- 2 INCH X 2 INCH X 3 FEET UNTREATED HARDWOOD STAKES, UP TO 5 FEET APART OR AS REQUIRED TO SECURE TUBES IN PLACE.
- WHEN STAKING IS NOT POSSIBLE, SUCH AS WHEN TUBES MUST BE PLACED ON PAVEMENT, HEAVY CONCRETE OR CINDER BLOCKS CAN BE USED BEHIND TUBES UP TO 5 FEET APART OR AS REQUIRED TO SECURE TUBES IN PLACE.

CROSS-SECTION



HART DESIGN GROUP
 A MEMBER OF THE HART COMPANIES
 HIGHLAND CORPORATE PARK
 800 SCENIC VIEW DRIVE
 CUMBERLAND, RI 02864
 TEL: (401) 658-4600
 FAX: (401) 658-4609
 WWW.HARTCOMPANIES.COM

Steere ENGINEERING INC.

DSGN	REV.	DATE	REVISION DESCRIPTION	DWG.	CHKD.	APPD.
DR	A	08/09/2019	IFP ISSUED FOR PERMIT PLEASE			
	B	10/22/2019	RE-ISSUED FOR PERMIT PLEASE			
CHK						
APVD						

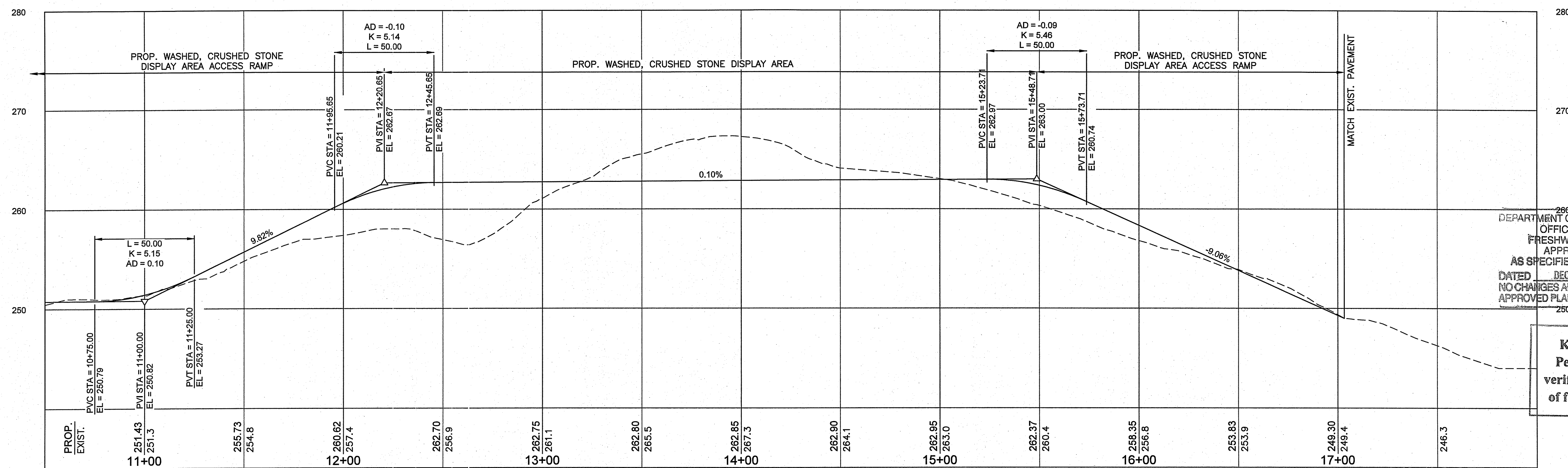
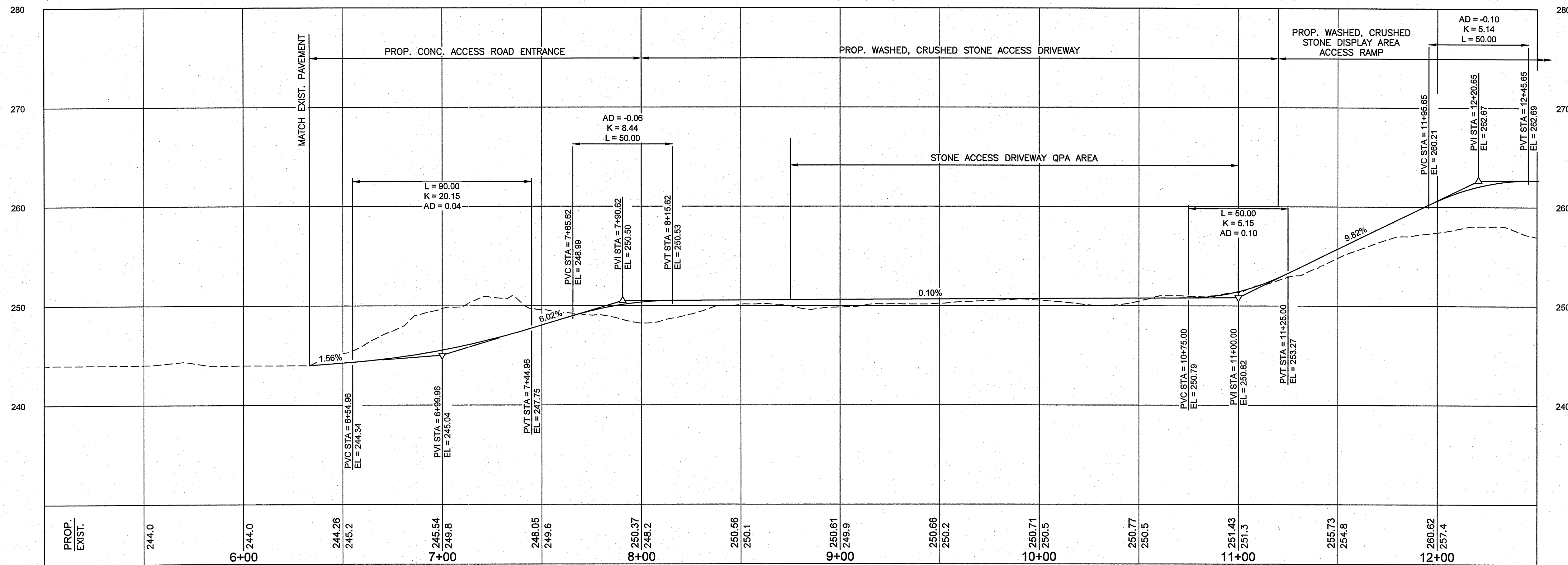
BAR IS ONE INCH ON ORIGINAL DRAWING.
 0 1"
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

Chadwick-BaRoss

CHADWICK-BAROSS, INC.
 31 JAMES MURPHY IND. HWY.
 WEST WARWICK, RI 02893

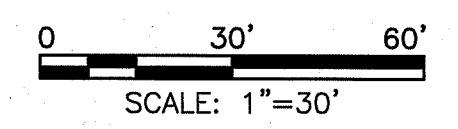
SOIL EROSION & SEDIMENT CONTROL PLAN

PROJ. NO: 18054
 CAD FILE: 18054SCX101.DWG
 SHEET NUMBER
C - 102



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED DEC 13 2019 FILE # 19-0278
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.



ISSUED FOR PERMIT

HART DESIGN GROUP
 A MEMBER OF THE HART COMPANIES
 HIGHLAND CORPORATE PARK
 800 SCENIC VIEW DRIVE
 CUMBERLAND, RI 02864
 TEL: (401) 658-4600
 FAX: (401) 658-4609
 WWW.HARTCOMPANIES.COM

Steere ENGINEERING INC

DSGN	REV.	DATE	REVISION DESCRIPTION	DWG.	CHKD.	APPD.
DR	A	08/09/2019	IFP ISSUED FOR PERMIT PLEASE			
CHK	B	10/22/2019	RE-ISSUED FOR PERMIT PLEASE			
APVD						

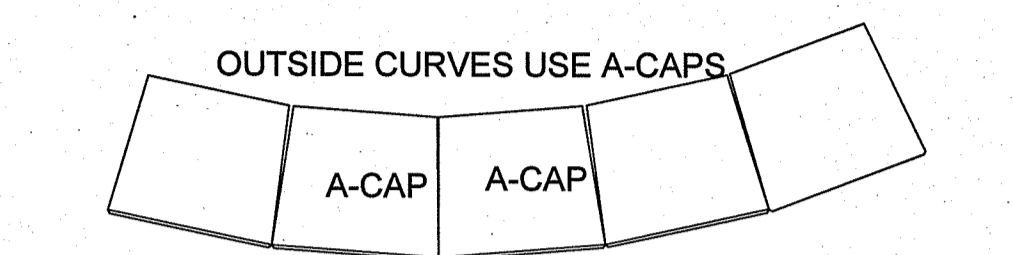
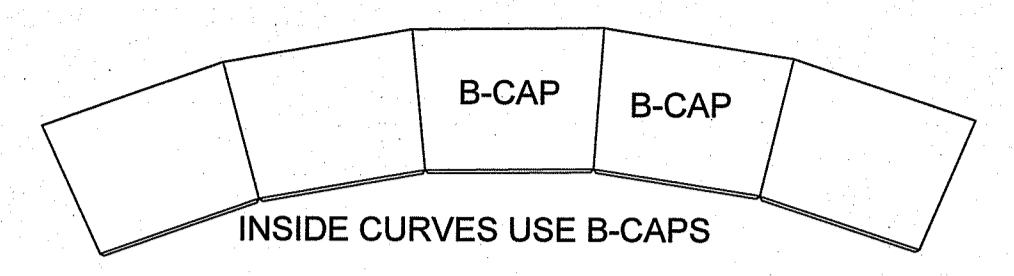
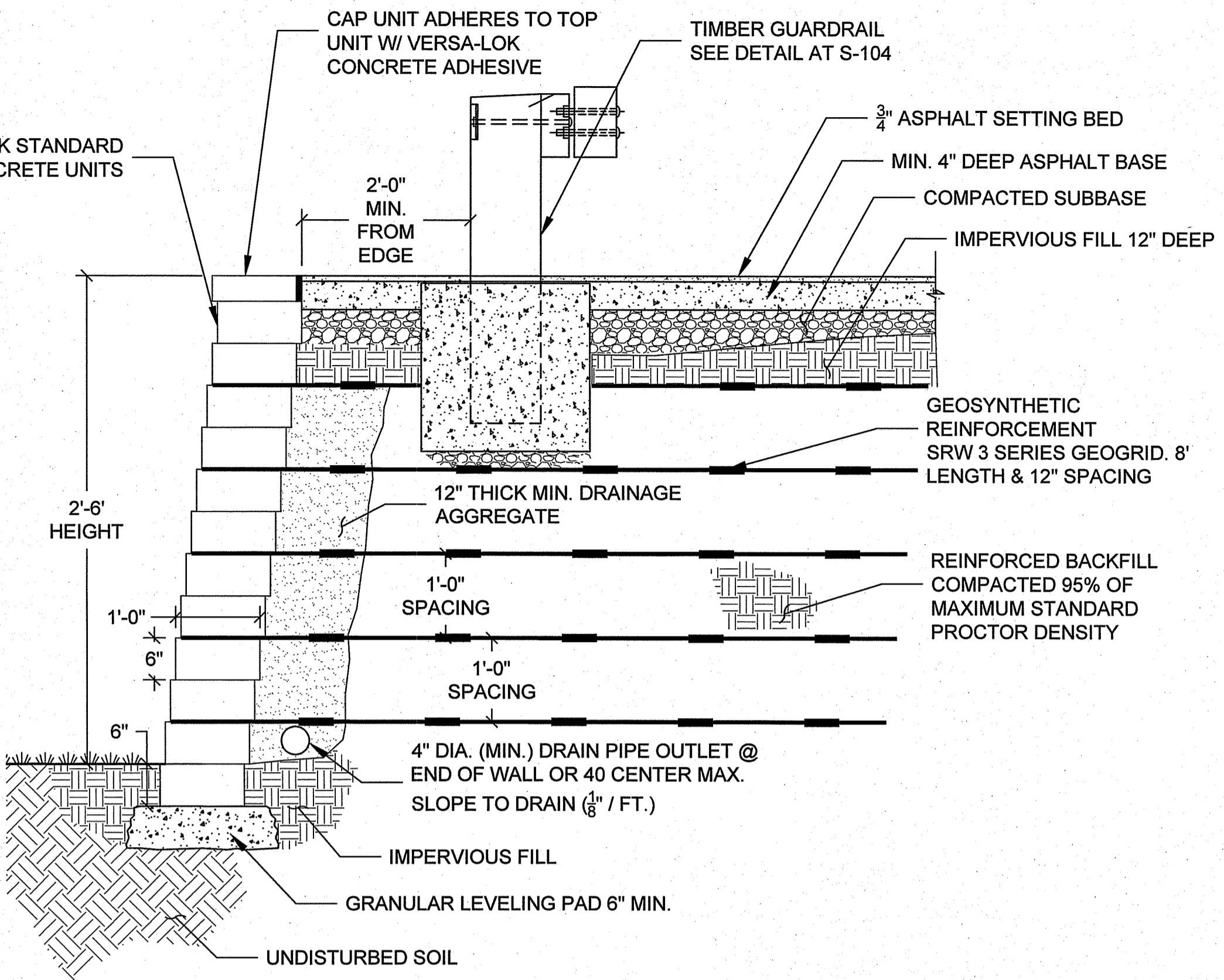
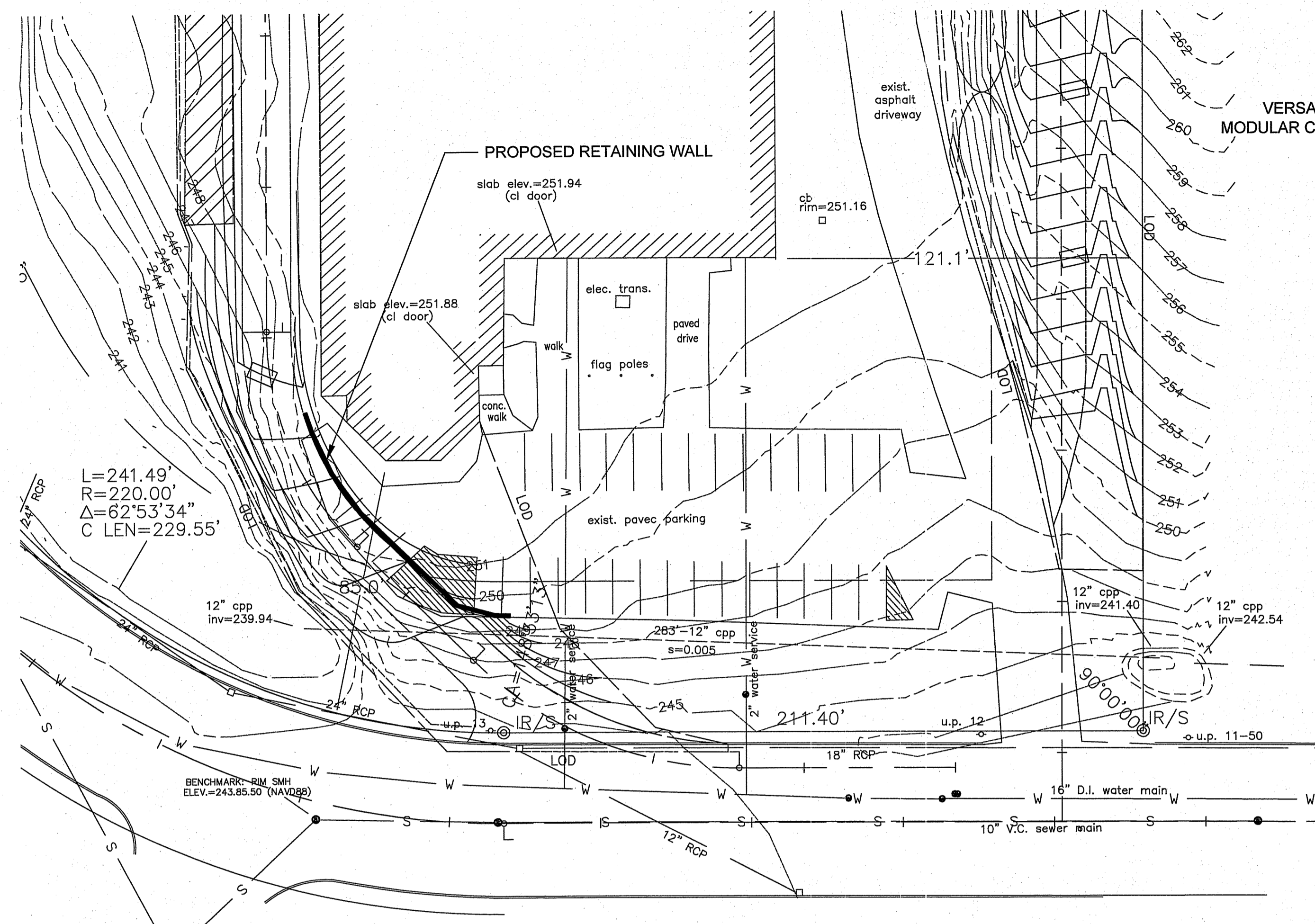
BAR IS ONE INCH ON ORIGINAL DRAWING.
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

Chadwick-BaRoss

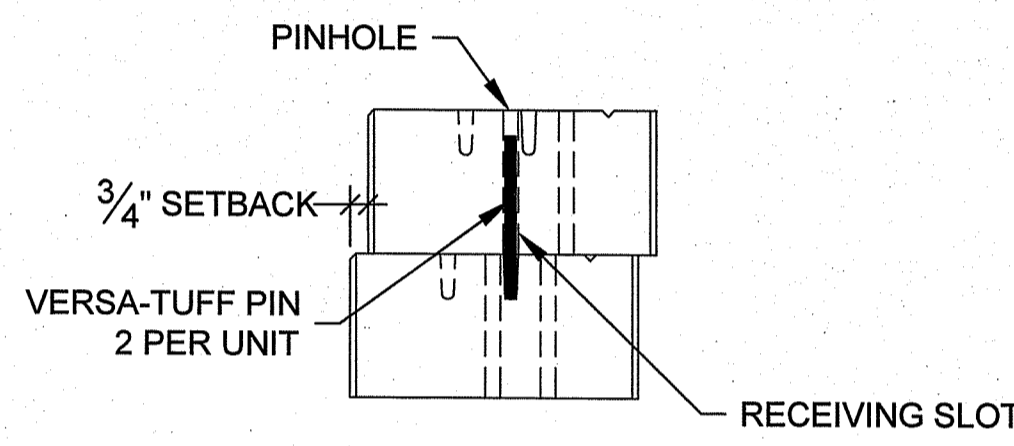
CHADWICK-BAROSS, INC.
 31 JAMES MURPHY IND. HWY.
 WEST WARWICK, RI 02893

PROPOSED PROFILES PLAN

PROJ. NO: 18054
 CAD FILE: 18054SCX101.DWG
 SHEET NUMBER
C - 103

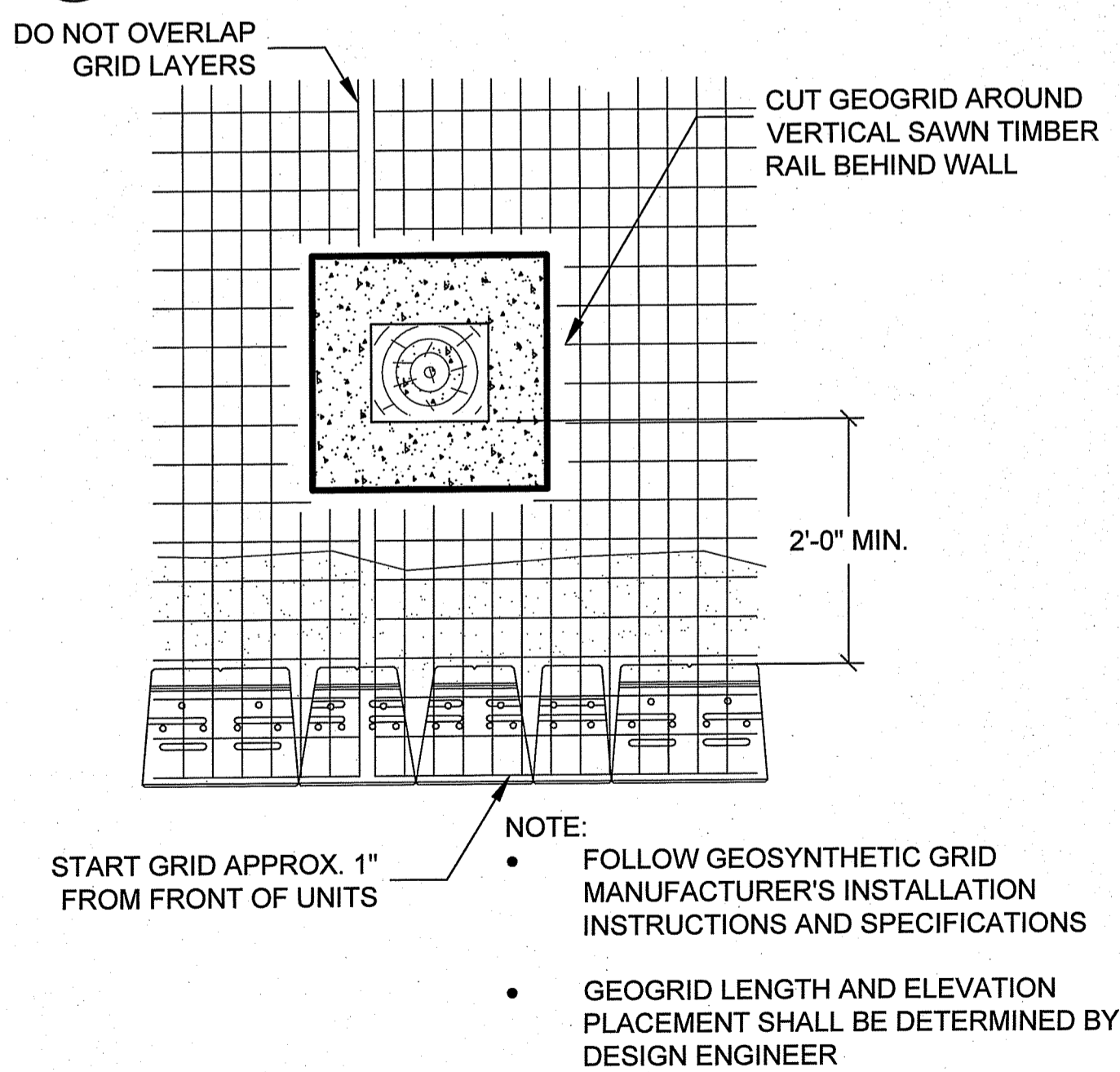


6 VERSA-LOK CURVE
SCALE: 3/4"=1'-0"

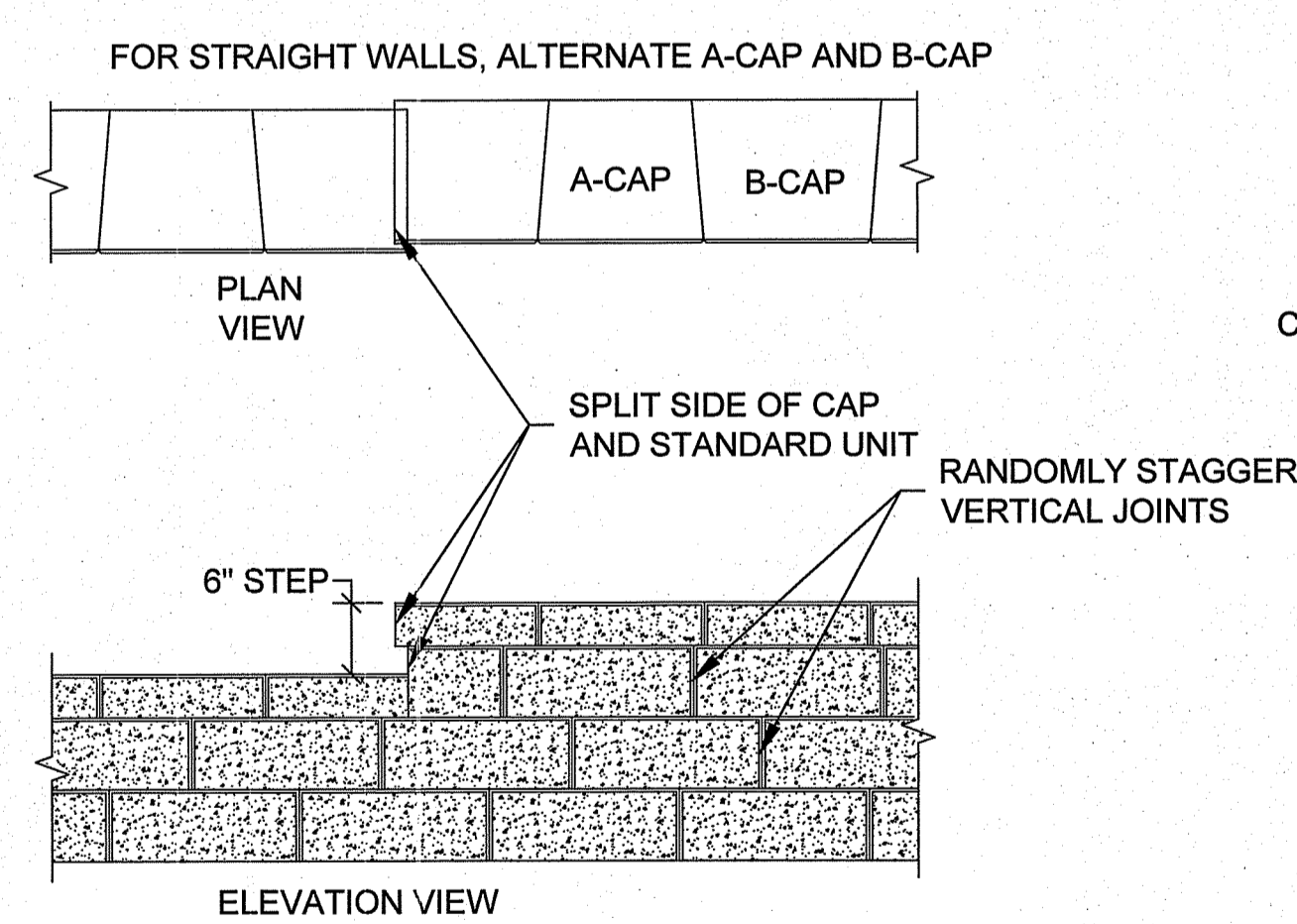


7 STANDARD PINING DETAILS
SCALE: 1-1/2"=1'-0"

1 RETAINING WALL AT ENTRANCE PLAN
SCALE: 1"=30'

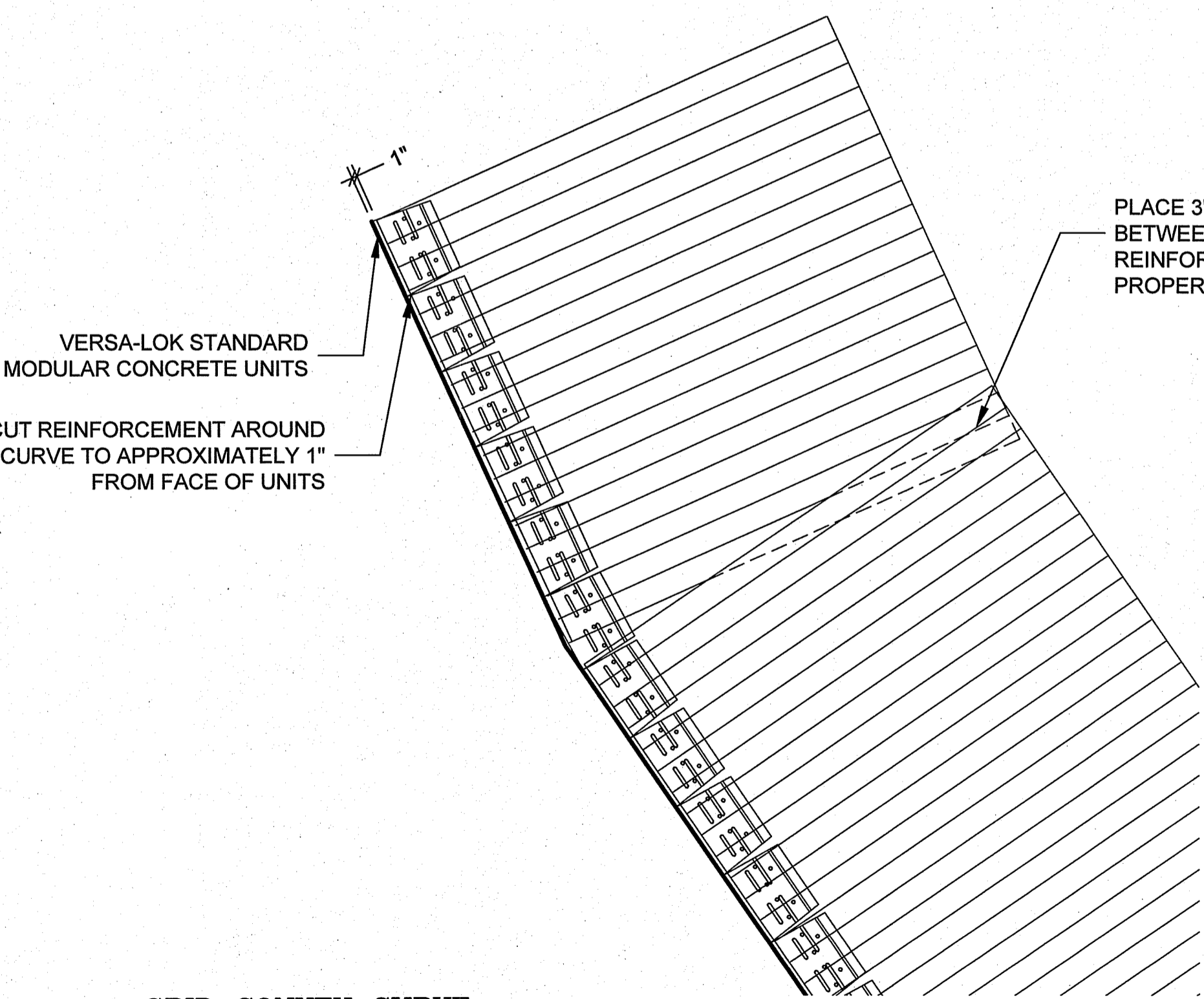


2 GEOSYNTHETIC AT STRUCTURES
SCALE: 3/4"=1'-0"

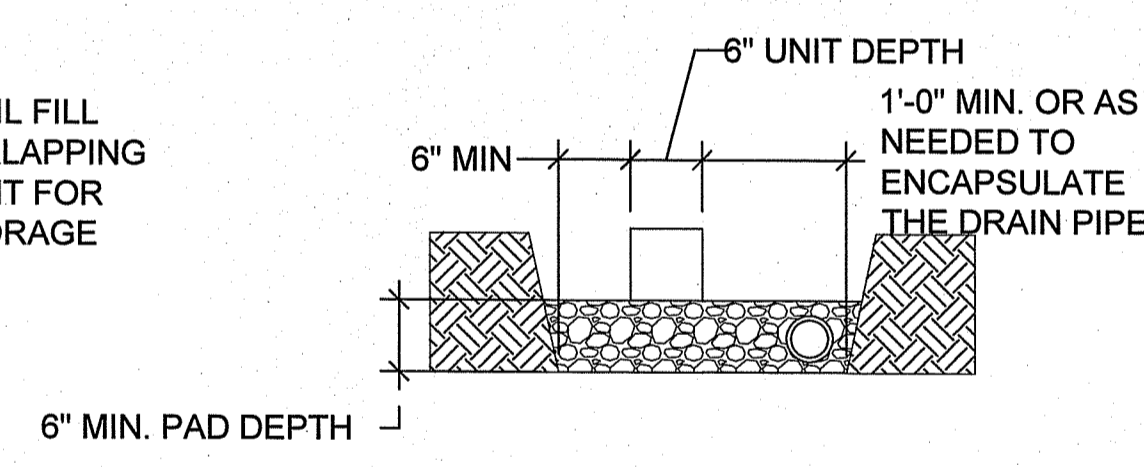


3 VERSA-LOK CAPPING DETAILS
SCALE: 3/4"=1'-0"

4 WALL REINFORCED SECTION
SCALE: 3/4"=1'-0"



5 GRID CONVEX CURVE
SCALE: 1/2"=1'-0"



8 LEVELING PAD DETAILS
SCALE: 3/4"=1'-0"

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED DEC 13 2019 FILE # 19-0278
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

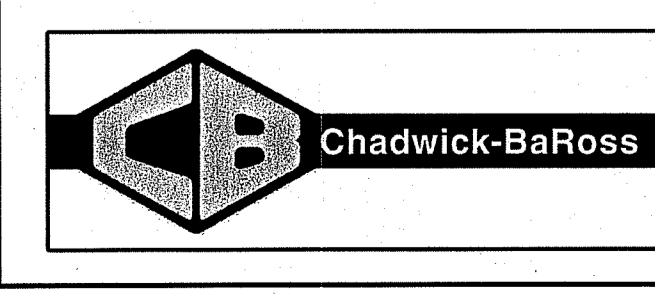
ISSUED FOR PERMIT

HART DESIGN GROUP
A MEMBER OF THE HART COMPANIES

HIGHLAND CORPORATE PARK
800 SCENIC VIEW DRIVE
CUMBERLAND, RI 02864
TEL: (401) 656-4600
FAX: (401) 656-4609
WWW.HARTCOMPANIES.COM

DCGN	REV.	DATE	REVISION DESCRIPTION	DWG.	CHKD.	APPD.
DC	A	08/09/2019	IFP ISSUED FOR PERMIT PLEASE	DC	TT	
DR						
CHK						
APVD						

BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY



CHADWICK-BAROSS, INC.
31 JAMES MURPHY IND. HWY.
WEST WARWICK, RI 02893

PROPOSED RETAINING WALL

PROJ. NO: 18054
CAD FILE: 18054SCX101.DWG
SHEET NUMBER
C - 104