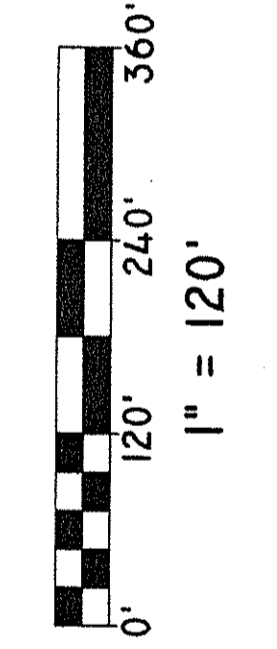


Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

*REFER TO SHEET 14 FOR PLAN NOTES

- LEGEND
- EXISTING 2" CONTOUR
 - EXISTING 4" CONTOUR
 - EXISTING STONE WALL
 - DELINEATED WETLAND EDGE
 - EXISTING OVERHEAD WIRE
 - APPROX. EXISTING WATER LINE
 - EDGE OF VEGETATION
 - EXISTING WELL



RECEIVED
JAN 5 2009

FOR PERMIT PURPOSES ONLY - NOT FOR CONSTRUCTION

PATRICIA A. KELLY
1968
PROFESSIONAL
LAND SURVEYOR

#1: 01/02/09: NO REVISIONS THIS SHEET
#2: 12/23/08: PER REVIEW COMMENTS
#3: 12/15/08: SHOWS ABUTTING WELLS & CWTS
#4: 11/25/08: NO REVISION THIS SHEET

REVISIONS:

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JAN 0 8 2009 FILE # 08-0389
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

THIS PLAN CONFORMS TO A CLASS III SURVEY STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS AND IS BASED UPON A CLASS I FIELD SURVEY.

Patricia A. Kelly
PATRICIA A. KELLY, PLS #1968

COMPREHENSIVE PERMIT FINAL PLAN
EXISTING CONDITIONS PLAN

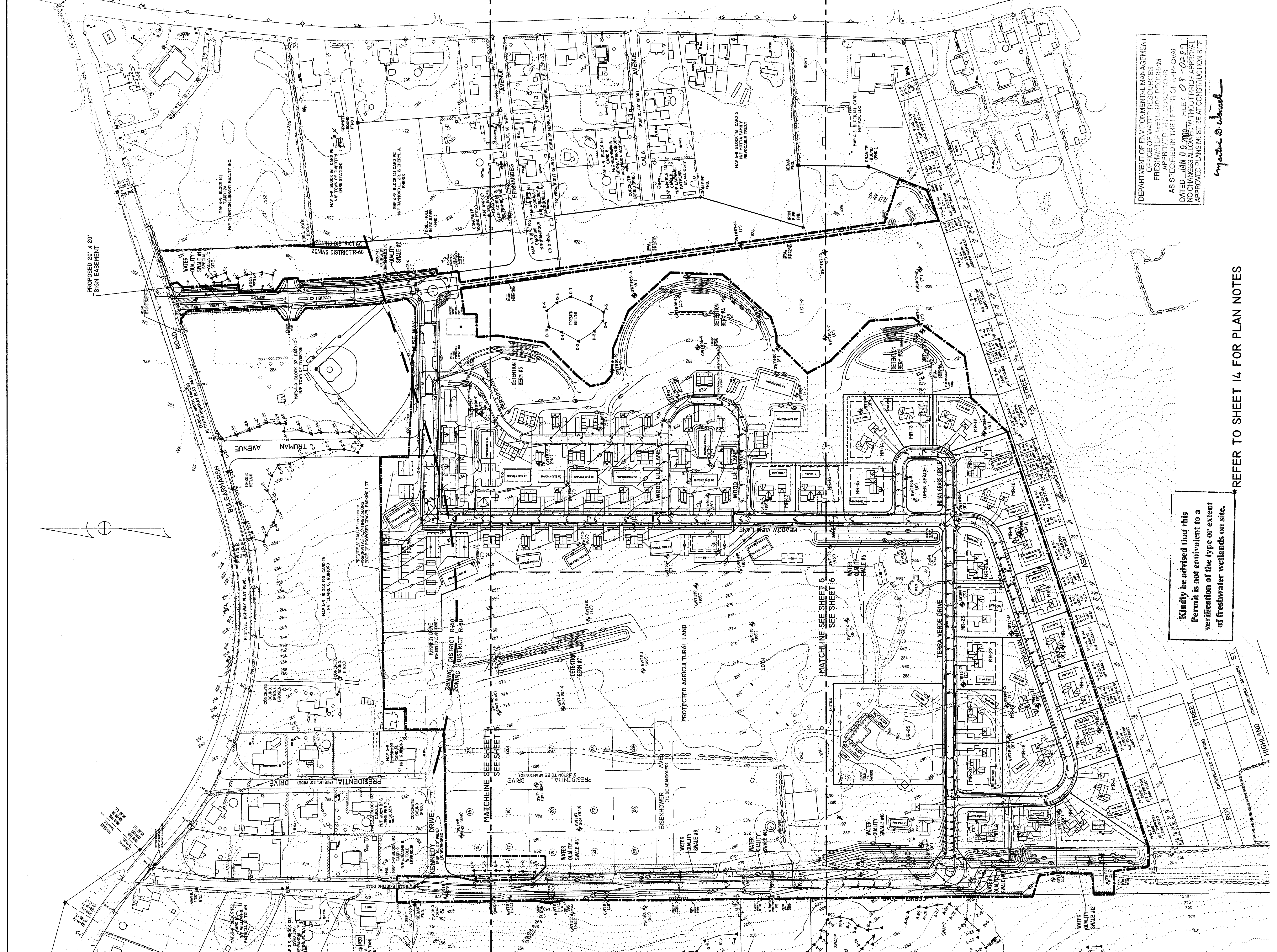
CHURCH COMMUNITY HOUSING CORP.
MAP 3-9, BLOCK 132, CARD 20
MAP 4-8 & 4-9, BLOCK 193, CARD 1A
CORNELL ROAD, PRESIDENTIAL AVENUE, TRUMAN AVENUE
ROOSEVELT AVENUE, KENNEDY DRIVE, & BULGAR MARSH ROAD
TIVERTON, RHODE ISLAND
DATE: NOVEMBER 4, 2008

SCALE: 1" = 120'

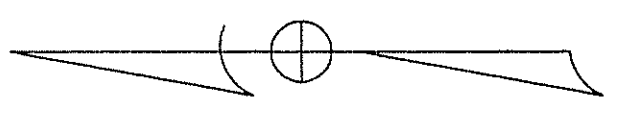
Civil Engineering Concepts, Inc.
34A MAIN STREET
LITTLE COPIENT, RI 02837
PH: (401) 592-0177
FAX: (401) 592-0178

NEW BEDFORD, MA 02712
(508) 990-1490

JOB#: 08-003
SHEET 2 OF 7



PROPOSED 20' x 20' SIGN EASEMENT

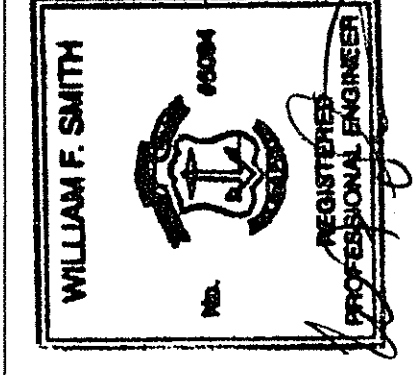
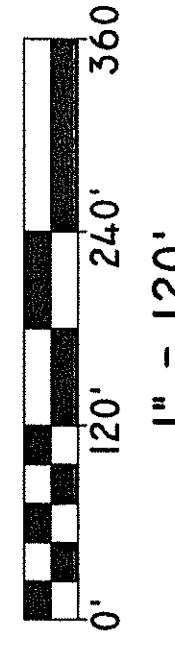


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REFER TO SHEET 14 FOR PLAN NOTES

- LEGEND**
- 002 EXISTING 2" CONTOUR
 - 003 EXISTING 10' CONTOUR
 - 004 EXISTING STONE WALL
 - 005 EXISTING FENCE
 - 006 EXISTING WETLAND EDGE
 - 007 UTILITY POLE
 - 008 EXISTING OVERHEAD WIRES
 - 009 PROPOSED WATER LINE
 - 010 APPROX. EXISTING UNDERGROUND ELECTRIC, TELEPHONE, & CATHY
 - 011 APPROX. EXISTING WATER LINE
 - 012 EXISTING UNDERGROUND ELECTRIC, TELEPHONE, & CATHY
 - 013 EXISTING WELLS
 - 014 OVERALL LIMITS OF DISTURBANCE (REQUIRES MAYBALES OR SILT FENCE)

JAN 5 2009



FOR PERMIT PURPOSES ONLY - NOT FOR CONSTRUCTION

#1: 01/02/09: PER REVIEW COMMENTS
 #2: 12/23/08: PER REVIEW COMMENTS
 #3: 12/15/08: PER SSD REVIEW COMMENTS
 #4: 11/25/08: PER REVIEW COMMENTS

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JAN 09 2009 FILE # OF-0289
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
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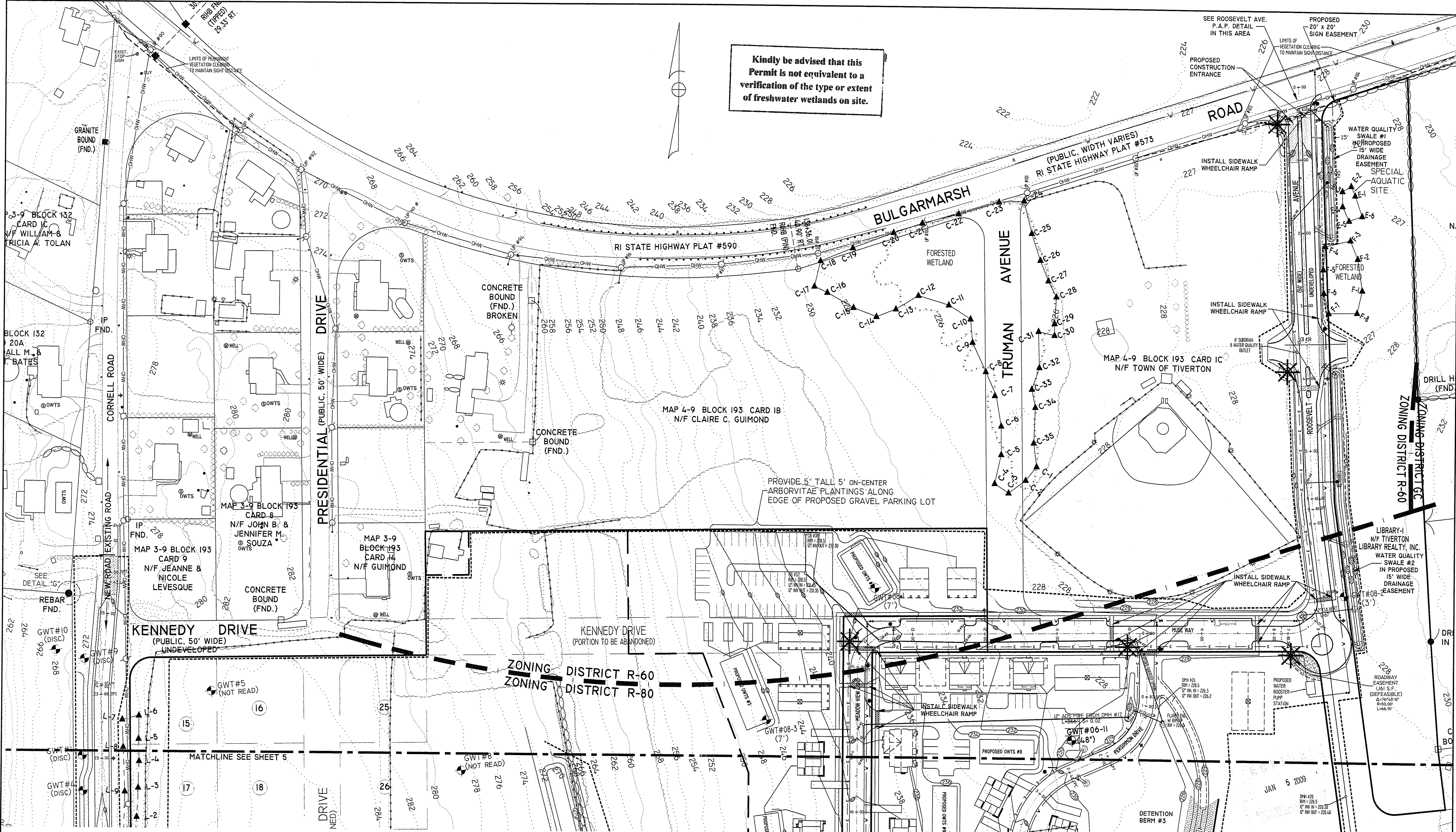
Signature of William F. Smith

COMPREHENSIVE PERMIT FINAL PLAN
 PROPOSED SITE, GRADING, & UTILITY PLAN
 PREPARED FOR
CHURCH COMMUNITY HOUSING CORP.
 MAP 3-9 BLOCK 132 CARD 20
 MAP 4-8 & 4-9 BLOCK 193 CARD 1A
 CORNELL ROAD, PRESIDENTIAL AVENUE, TRUMAN AVENUE
 ROOSEVELT AVENUE, KENNEDY DRIVE, BULGARSHAH ROAD
 TIVERTON, RHODE ISLAND
 SCALE: 1" = 120'
 DATE: NOVEMBER 4, 2008

Civil Engineering Concepts, Inc.
 154 MAIN STREET
 LITTLE COMPON, RI 02837
 PH: (401) 592-0177
 FAX: (401) 592-0178

JOB #: 05-003

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LEGEND

102	EXISTING 2' CONTOUR	○	EXISTING OWTs
100	EXISTING 10' CONTOUR	+	EXISTING WELL
○	EXISTING STONE WALL	○	
—	EXISTING FENCE		
▲	DELINEATED WETLAND EDGE		
○	UTILITY POLE		
—	EXISTING OVERHEAD WIRES		
○	PROPOSED CONTOUR		
—	PROPOSED WATER LINE		
—	PROPOSED UNDERGROUND ELECTRIC, TELEPHONE, & CATV		
—	APPROX. EXISTING WATER LINE		

PROPOSED HAYBALES OR SILT FENCE EROSION CONTROL - LIMITS OF DISTURBANCE

EXISTING SHRUBS/TREES

PROPOSED VALVE & FIRE HYDRANT

PROPOSED WATER VALVE

PROPOSED STOP SIGN & STOP BAR

PROPOSED CROSSWALK

PROPOSED 6" TO 12" SIZE RIPRAP

PROPOSED CATCH BASIN

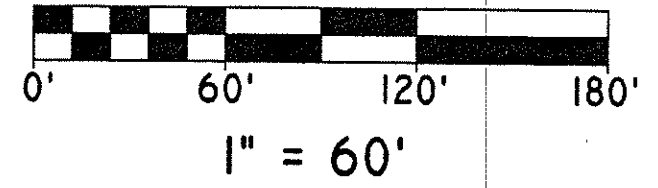
PROPOSED DRAIN MANHOLE

EDGE OF VEGETATION

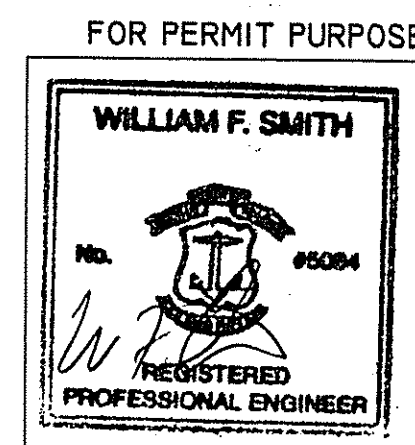
PROPOSED STREETLIGHT

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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FRESHWATER WETLANDS PROGRAM
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Martin D. Wencel



*REFER TO SHEET 14 FOR PLAN NOTES



FOR PERMIT PURPOSES ONLY - NOT FOR CONSTRUCTION

#4: 01/02/09: PER REVIEW COMMENTS
#3: 12/23/08: PER REVIEW COMMENTS
#2: 12/15/08: PER SSD REVIEW COMMENTS
#1: 11/25/08: PER REVIEW COMMENTS
REVISIONS:

COMPREHENSIVE PERMIT FINAL PLAN
PROPOSED SITE, GRADING, & UTILITY PLAN
PREPARED FOR
CHURCH COMMUNITY HOUSING CORP.
MAP 3-9 BLOCK 132 CARD 20
MAP 4-8 & 4-9 BLOCK 193 CARD 1A
CORNELL ROAD, PRESIDENTIAL AVENUE, TRUMAN AVENUE
ROOSEVELT AVENUE, KENNEDY DRIVE, & BULGARMARSH ROAD
TIVERTON, RHODE ISLAND
DATE: NOVEMBER 4, 2008

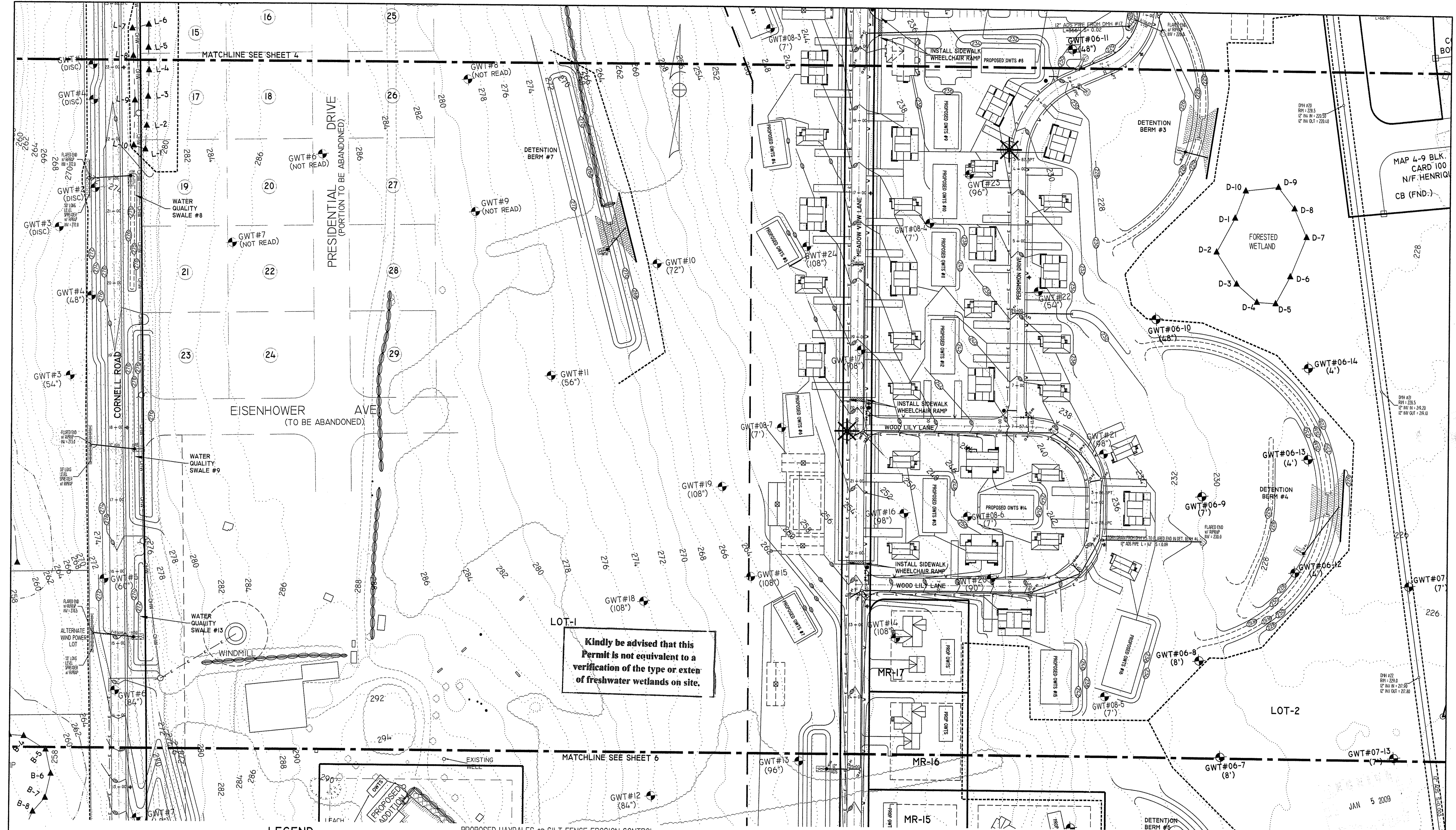
SCALE: 1" = 60'

Civil Engineering Concepts, Inc.
34A MAIN STREET
LITTLE COMPTON, RI 02857
PH: (401) 592-0177
FAX: (401) 592-0178

P.O. BOX 5323
NEW BEDFORD, MA. 02742
(508) 990-4900

SHEET 4 OF 17

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

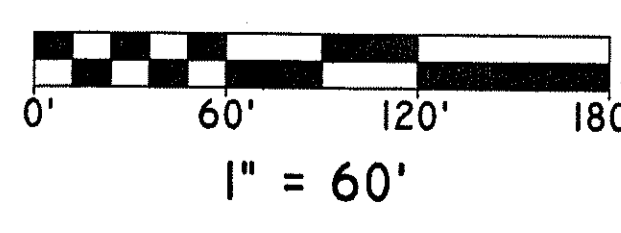


LEGEND

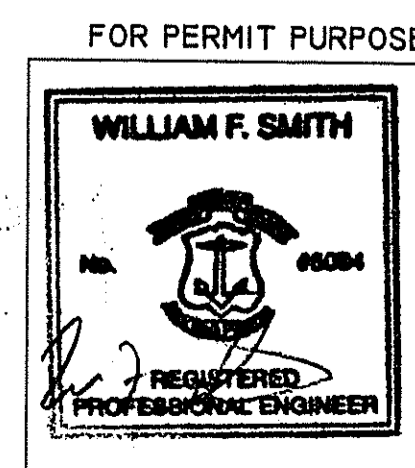
- 102 --- EXISTING 2' CONTOUR
- 100 --- EXISTING 10' CONTOUR
- EXISTING STONE WALL
- EXISTING FENCE
- DELINEATED WETLAND EDGE
- UTILITY POLE
- EXISTING OVERHEAD WIRES
- PROPOSED CONTOUR
- PROPOSED WATER LINE
- PROPOSED UNDERGROUND ELECTRIC, TELEPHONE, & CATV
- APPROX. EXISTING WATER LINE
- PROPOSED HAYBALES OR SILT FENCE EROSION CONTROL
- LIMITS OF DISTURBANCE
- EXISTING SHRUBS/TREES
- PROPOSED VALVE & FIRE HYDRANT
- PROPOSED WATER VALVE
- PROPOSED STOP SIGN & STOP BAR
- PROPOSED CROSSWALK
- PROPOSED 6" TO 12" SIZE RIPRAP
- PROPOSED CATCH BASIN
- PROPOSED DRAIN MANHOLE
- EDGE OF VEGETATION
- PROPOSED STREETLIGHT
- EXISTING OWTS
- EXISTING WELL

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Engelbert D. Wencel



*REFER TO SHEET 14 FOR PLAN NOTES



FOR PERMIT PURPOSES ONLY - NOT FOR CONSTRUCTION

#4: 01/02/09: PER REVIEW COMMENTS
 #3: 12/23/08: PER REVIEW COMMENTS
 #2: 12/15/08: PER SSD REVIEW COMMENTS
 #1: 11/25/08: PER REVIEW COMMENTS

REVISIONS:

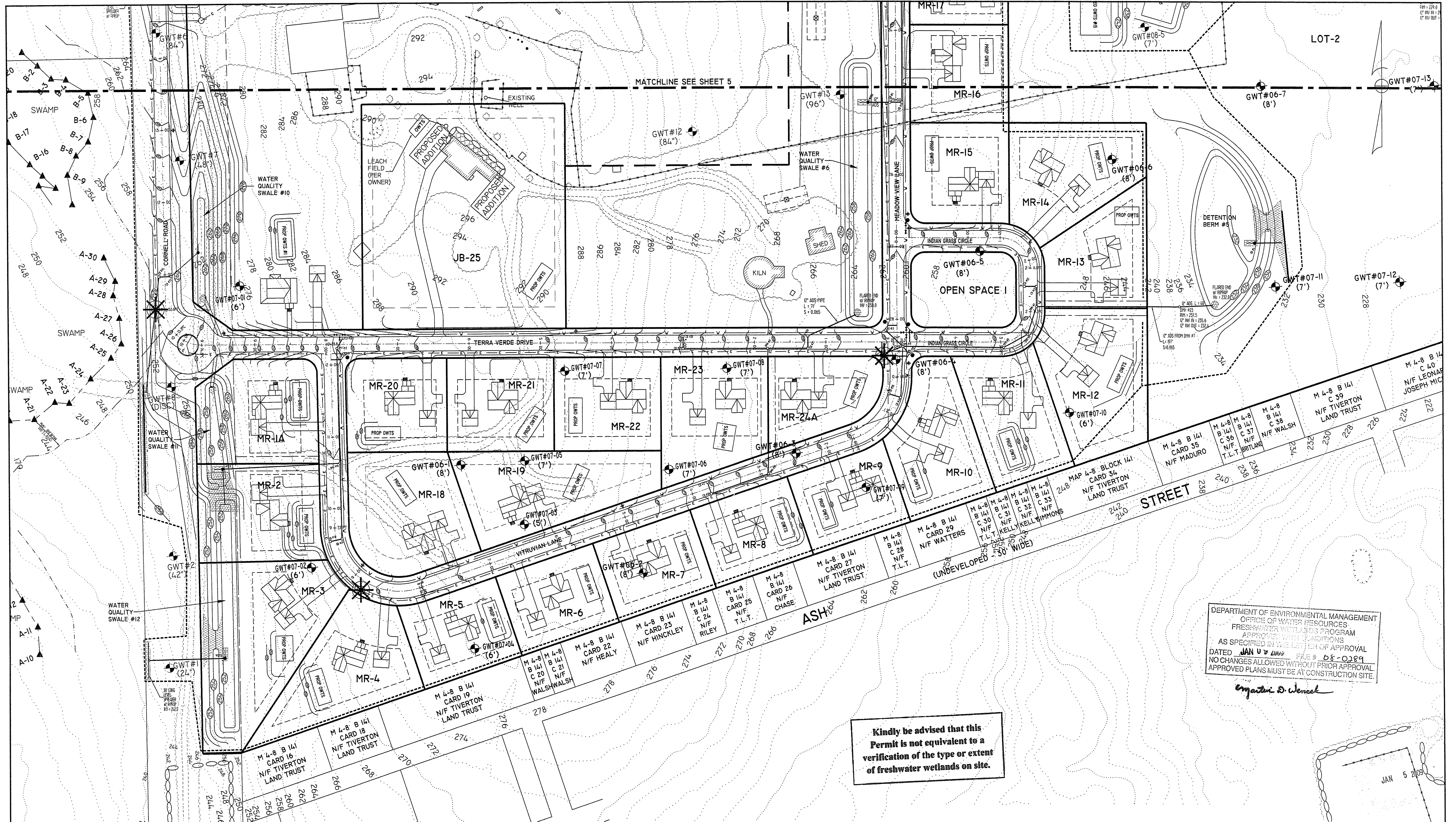
COMPREHENSIVE PERMIT FINAL PLAN
 PROPOSED SITE, GRADING, & UTILITY PLAN
 PREPARED FOR
 CHURCH COMMUNITY HOUSING CORP.
 MAP 3-9 BLOCK 132 CARD 20
 MAP 4-8 & 4-9 BLOCK 193 CARD 1A
 CORNELL ROAD, PRESIDENTIAL AVENUE, TRUMAN AVENUE
 ROOSEVELT AVENUE, KENNEDY DRIVE, & BULGARMARSH ROAD
 TIVERTON, RHODE ISLAND
 DATE: NOVEMBER 4, 2008

Scale: 1" = 60'

Civil Engineering Concepts, Inc.
 364 MAIN STREET
 LITTLE COMPTON, RI 02887
 PH: (401) 592-0177
 FAX: (401) 592-0178

P.O. BOX 5323
 NEW BEDFORD, MA. 02742
 (508) 990-4900

SHEET 5 OF 17



MATCHLINE SEE SHEET 5

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
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Ernestine D. Wenzel

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 of freshwater wetlands on site.

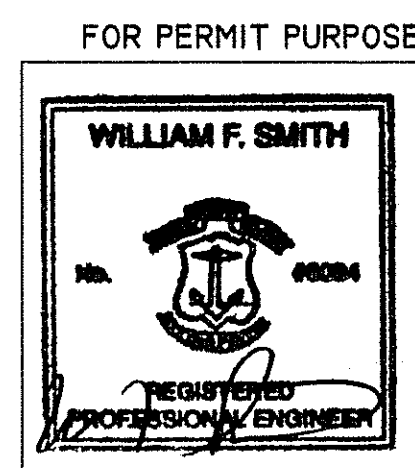
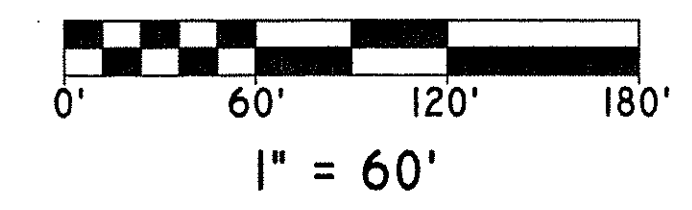
LEGEND

- - - 102 - - - EXISTING 2' CONTOUR
- - - 100 - - - EXISTING 10' CONTOUR
- ○ ○ ○ ○ EXISTING STONE WALL
- — — EXISTING FENCE
- ▲ DELINEATED WETLAND EDGE
- UTILITY POLE
- CHW — EXISTING OVERHEAD WIRES
- PROPOSED CONTOUR
- PROPOSED WATER LINE
- PROPOSED UNDERGROUND ELECTRIC, TELEPHONE, & CATV
- W — APPROX. EXISTING WATER LINE

- PROPOSED HAYBALES OR SILT FENCE EROSION CONTROL
- LIMITS OF DISTURBANCE
- EXISTING SHRUBS/TREES
- PROPOSED VALVE & FIRE HYDRANT
- PROPOSED WATER VALVE
- PROPOSED STOP SIGN & STOP BAR
- PROPOSED CROSSWALK
- PROPOSED 6" TO 12" SIZE RIPRAP
- PROPOSED CATCH BASIN
- PROPOSED DRAIN MANHOLE
- EDGE OF VEGETATION
- PROPOSED STREETLIGHT

- EXISTING OWTS
- EXISTING WELL

*REFER TO SHEET 14 FOR PLAN NOTES



FOR PERMIT PURPOSES ONLY - NOT FOR CONSTRUCTION

#4: 01/02/09: PER REVIEW COMMENTS
#3: 12/23/08: PER REVIEW COMMENTS
#2: 12/15/08: PER SSD REVIEW COMMENTS
#1: 11/25/08: PER REVIEW COMMENTS
REVISIONS:

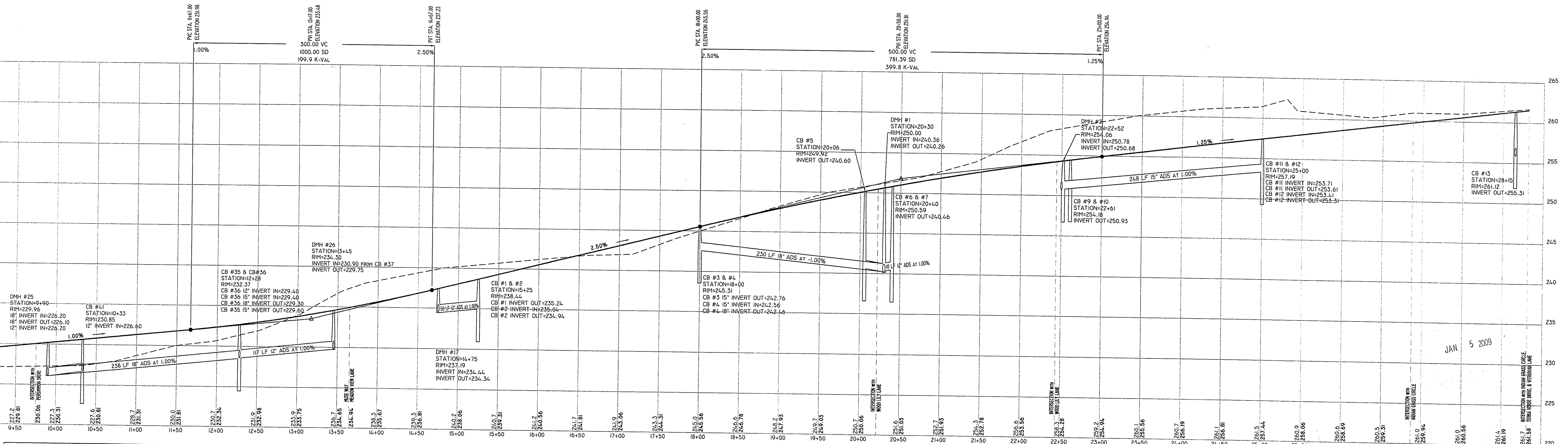
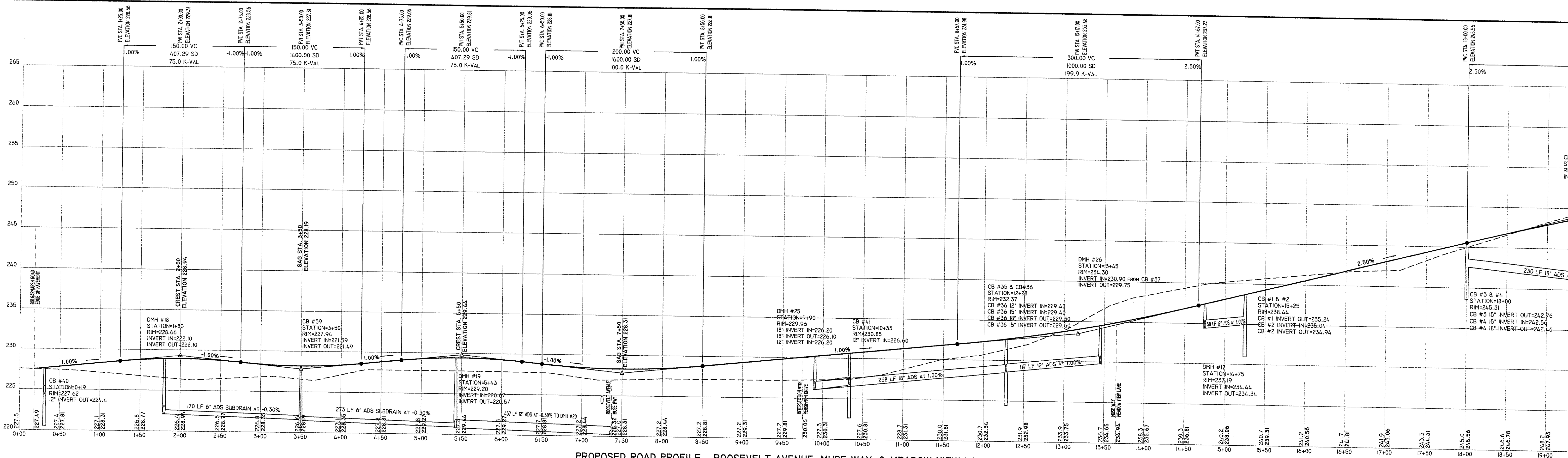
COMPREHENSIVE PERMIT FINAL PLAN
 PROPOSED SITE, GRADING, & UTILITY PLAN
 PREPARED FOR
CHURCH COMMUNITY HOUSING CORP.
 MAP 3-9 BLOCK 132 CARD 20
 MAP 4-8 & 4-9 BLOCK 193 CARD 1A
 CORNELL ROAD, PRESIDENTIAL AVENUE, TRUMAN AVENUE
 ROOSEVELT AVENUE, KENNEDY DRIVE, & BULGARMARSH ROAD
 TIVERTON, RHODE ISLAND

SCALE: 1" = 60' DATE: NOVEMBER 4, 2008

Civil Engineering Concepts, Inc.
 34A MAIN STREET P.O. BOX 5323
 LITTLE COMPTON, RI 02837 NEW BEDFORD, MA, 02742
 PH: (401) 592-0177 FAX: (401) 592-0178
 (508) 990-4900

SHEET 6 OF 17 JOB#: 05-003

JAN 5 2009



ROAD SCHEDULE

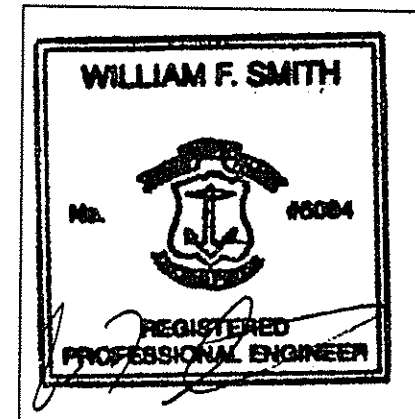
NAME	STATION	TO STATION	SURFACE COURSE	BASE COURSE	CURBING	SIDEWALK	WIDTH OF PAVEMENT	MAINT. STATUS
ROOSEVELT AVENUE	0+00	3+50	1.5" BIT. CONC.	2" BIT. CONC.	CONCRETE	CONCRETE (SEE PLAN)	2 - 12.5' LANES	PUBLIC
ROOSEVELT AVENUE	3+50	7+40 END	1.5" BIT. CONC.	2" BIT. CONC.	CONCRETE	CONCRETE (SEE PLAN)	20'	PUBLIC
MUSE WAY	7+40	14+00	1.5" BIT. CONC.	2" BIT. CONC.	CONCRETE	CONCRETE (SEE PLAN)	20'	PRIVATE
MEADOW VIEW LANE	14+00	28+31 END	1.5" BIT. CONC.	1.5" BIT. CONC.	BIT. BERM	CONCRETE (SEE PLAN)	20'	PRIVATE
PERSIMMON DRIVE	0+00	7+67 END	1.5" BIT. CONC.	1.5" BIT. CONC.	NO	NONE	20'	PRIVATE
WOOD LILY LANE	0+00	8+41 END	1.5" BIT. CONC.	1.5" BIT. CONC.	NO	NONE	20'	PRIVATE
INDIAN GRASS CIRCLE	0+00	4+80 END	1.5" BIT. CONC.	1.5" BIT. CONC.	NO	NONE	20'	PRIVATE
TERRA VERDE DRIVE	0+00	10+00 END	1.5" BIT. CONC.	1.5" BIT. CONC.	BIT. BERM	NONE	20'	PRIVATE
VITRUVIAN LANE	0+00	12+29 END	1.5" BIT. CONC.	1.5" BIT. CONC.	BIT. BERM	NONE	20'	PRIVATE
CORNELL ROAD	10+00	26+80	1.5" BIT. CONC.	1.5" BIT. CONC.	NO	NONE	20'	PUBLIC

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
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Master D. Wencel

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NOTE:
 ALL DRAINAGE PIPING TO BE 12" DIA. ADS UNLESS OTHERWISE INDICATED.
 ALL CATCH BASIN SUMPS TO BE 4' DEEP UNLESS OTHERWISE INDICATED.



FOR PERMIT PURPOSES ONLY - NOT FOR CONSTRUCTION

REVISIONS:
 #4: 01/02/09: ADJUST DMH #19
 #3: 12/23/08: ADJUST CB #40
 #2: 12/15/08: NO REVISIONS THIS SHEET
 #1: 11/25/08: PER REVIEW COMMENTS

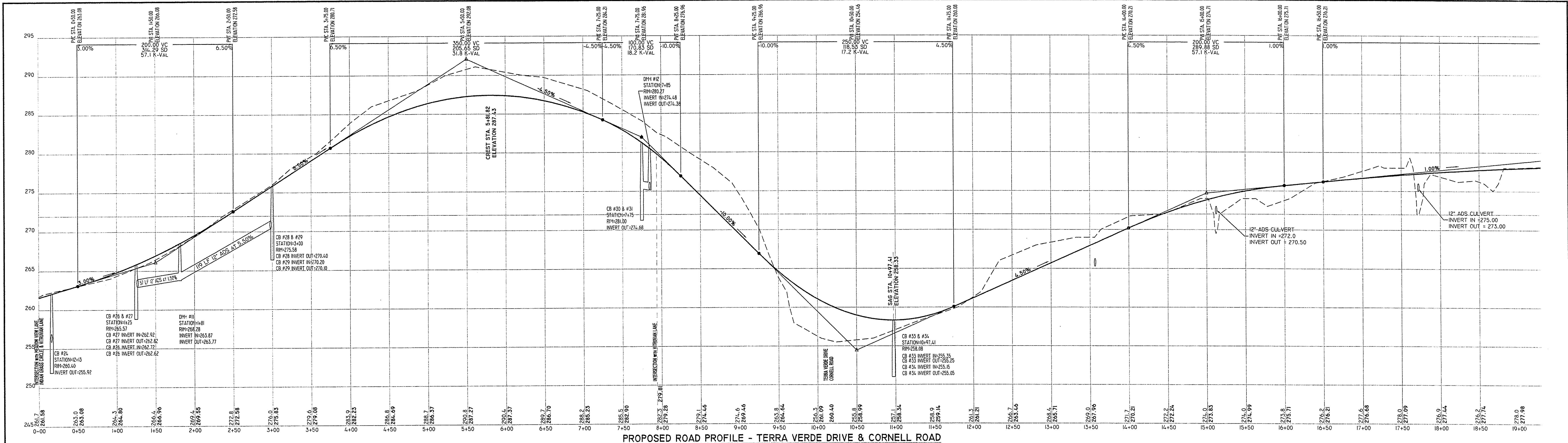
COMPREHENSIVE PERMIT FINAL PLAN
 PROPOSED ROAD PROFILE - ROOSEVELT AVENUE, MUSE WAY, & MEADOW VIEW LANE

PREPARED FOR
CHURCH COMMUNITY HOUSING CORP.
 MAP 3-9 BLOCK 132 CARD 20
 MAP 4-8 & 4-9 BLOCK 193 CARD 1A
 CORNELL ROAD, PRESIDENTIAL AVENUE, TRUMAN AVENUE
 ROOSEVELT AVENUE, KENNEDY DRIVE, & BULGARMARSH ROAD
 TIVERTON, RHODE ISLAND

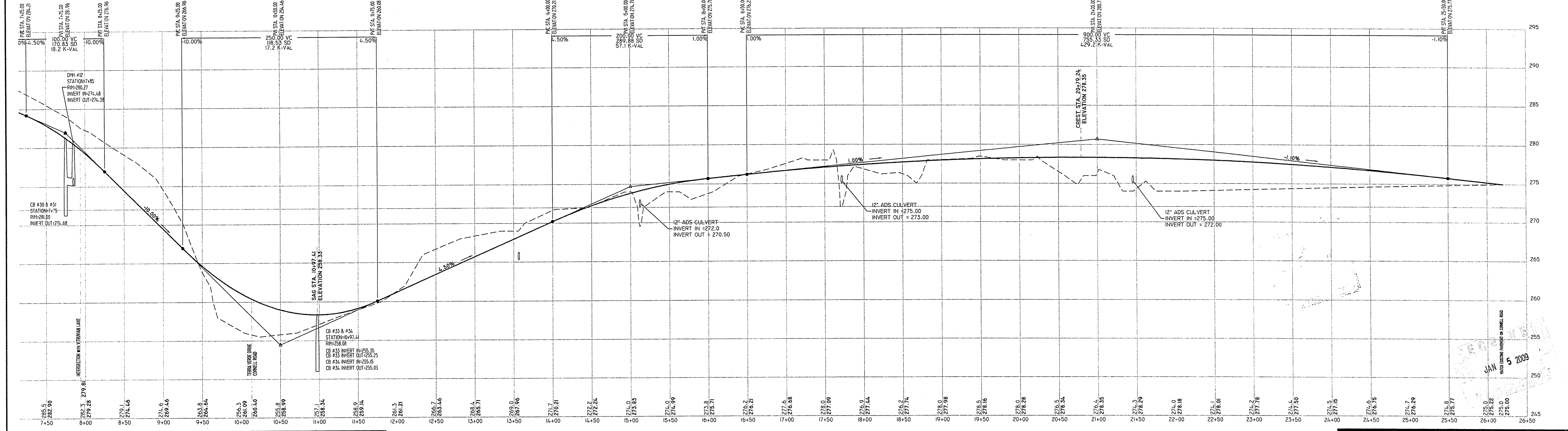
SCALE: AS NOTED DATE: NOVEMBER 4, 2008

Civil Engineering Concepts, Inc.
 34A MAIN STREET P.O. BOX 5323
 LITTLE COMPTON, RI 02837 NEW BEDFORD, MA 02742
 PH: (401) 592-0177 FAX: (401) 592-0178
 (508) 990-4900

SHEET 7 of 17 JOB#: 05-003



PROPOSED ROAD PROFILE - TERRA VERDE DRIVE & CORNELL ROAD
 HORIZONTAL SCALE: 1" = 60'
 VERTICAL SCALE: 1" = 6'



PROPOSED ROAD PROFILE - TERRA VERDE DRIVE & CORNELL ROAD
 HORIZONTAL SCALE: 1" = 60'
 VERTICAL SCALE: 1" = 6'

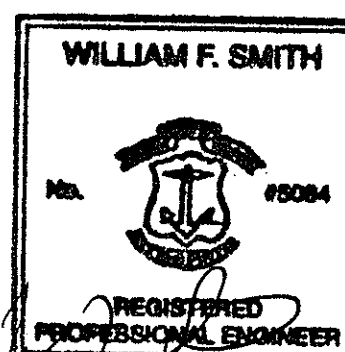
ROAD SCHEDULE								
NAME	STATION	TO STATION	SURFACE COURSE	BASE COURSE	CURBING	SIDEWALK	WIDTH OF PAVEMENT	MAINT. STATUS
ROOSEVELT AVENUE	0+00	3+50	1.5" BIT. CONC.	2" BIT. CONC.	CONCRETE	CONCRETE (SEE PLAN)	2 - 12.5' LANES	PUBLIC
ROOSEVELT AVENUE	3+50	7+40 END	1.5" BIT. CONC.	2" BIT. CONC.	CONCRETE	CONCRETE (SEE PLAN)	20'	PUBLIC
MUSE WAY	7+40	14+00	1.5" BIT. CONC.	2" BIT. CONC.	CONCRETE	CONCRETE (SEE PLAN)	20'	PRIVATE
MEADOW VIEW LANE	14+00	28+51 END	1.5" BIT. CONC.	1.5" BIT. CONC.	BIT. BERM	CONCRETE (SEE PLAN)	20'	PRIVATE
PERSIMMON DRIVE	0+00	7+40 END	1.5" BIT. CONC.	1.5" BIT. CONC.	NO	NONE	20'	PRIVATE
WOOD LILY LANE	0+00	8+41 END	1.5" BIT. CONC.	1.5" BIT. CONC.	NO	NONE	20'	PRIVATE
INDIAN GRASS CIRCLE	0+00	4+80 END	1.5" BIT. CONC.	1.5" BIT. CONC.	NO	NONE	20'	PRIVATE
TERRA VERDE DRIVE	0+00	10+00 END	1.5" BIT. CONC.	1.5" BIT. CONC.	BIT. BERM	NONE	20'	PRIVATE
VITRUVIAN LANE	0+00	12+29 END	1.5" BIT. CONC.	1.5" BIT. CONC.	BIT. BERM	NONE	20'	PRIVATE
CORNELL ROAD	10+00	26+80	1.5" BIT. CONC.	1.5" BIT. CONC.	NO	NONE	20'	PUBLIC

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
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Signature

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NOTE:
 ALL DRAINAGE PIPING TO BE
 12" DIA. ADS UNLESS OTHERWISE
 INDICATED.
 ALL CATCH BASIN SUMPS TO BE
 4" DEEP UNLESS OTHERWISE
 INDICATED.

FOR PERMIT PURPOSES ONLY - NOT FOR CONSTRUCTION

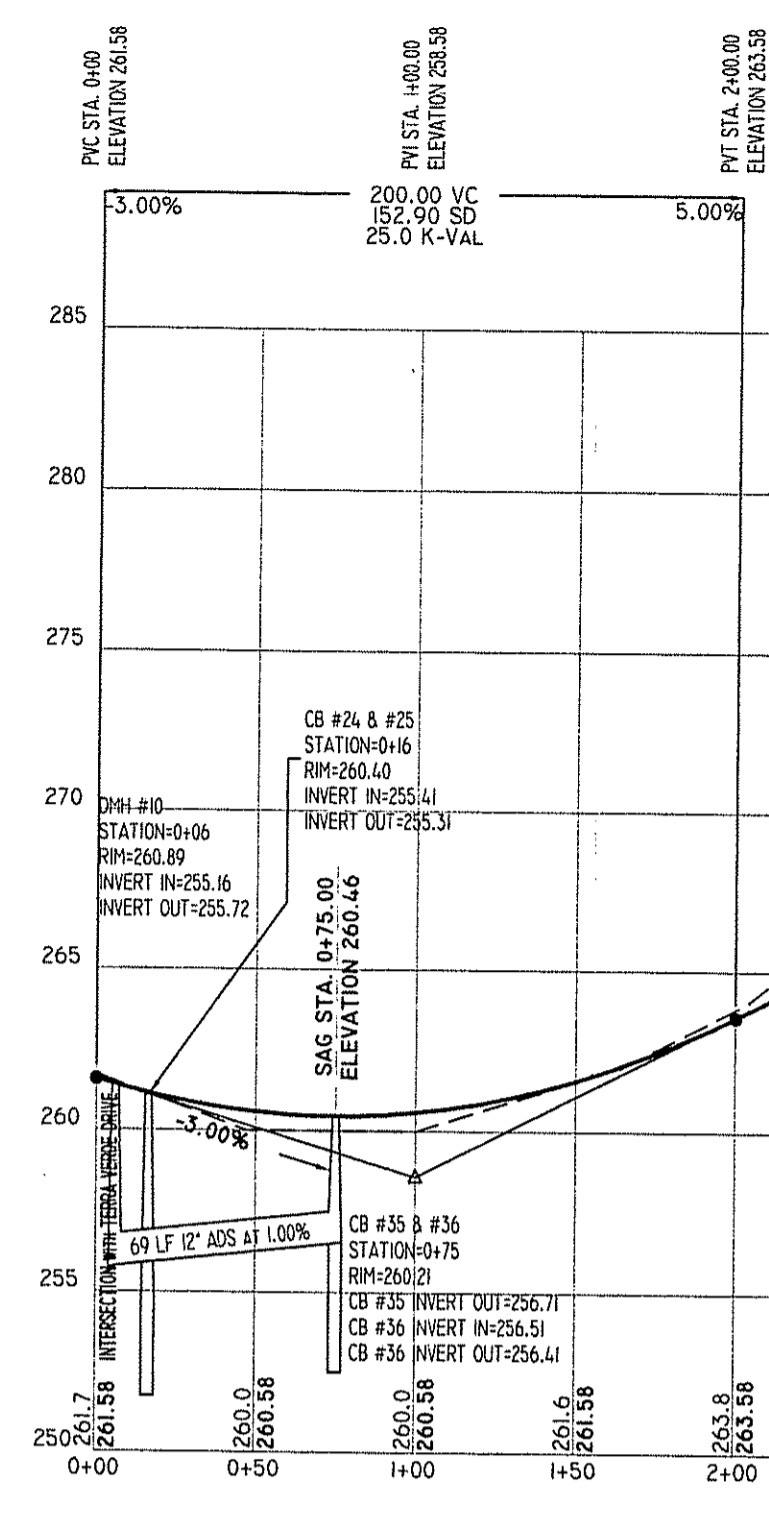
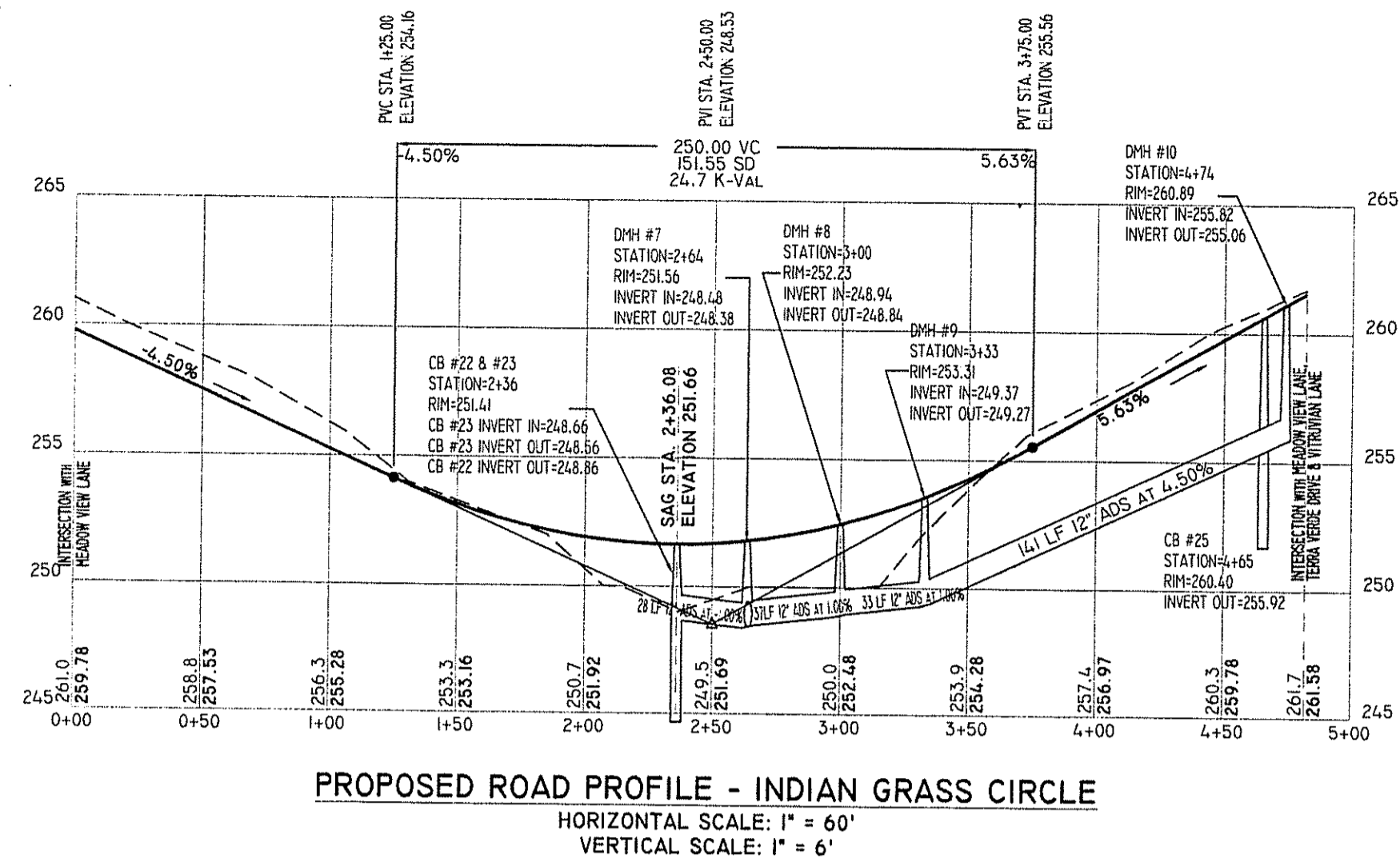


REVISIONS:
 #1: 01/02/09: NO REVISION THIS SHEET
 #3: 12/23/08: NO REVISION THIS SHEET
 #2: 12/15/08: NO REVISION THIS SHEET
 #1: 11/25/08: NO REVISION THIS SHEET

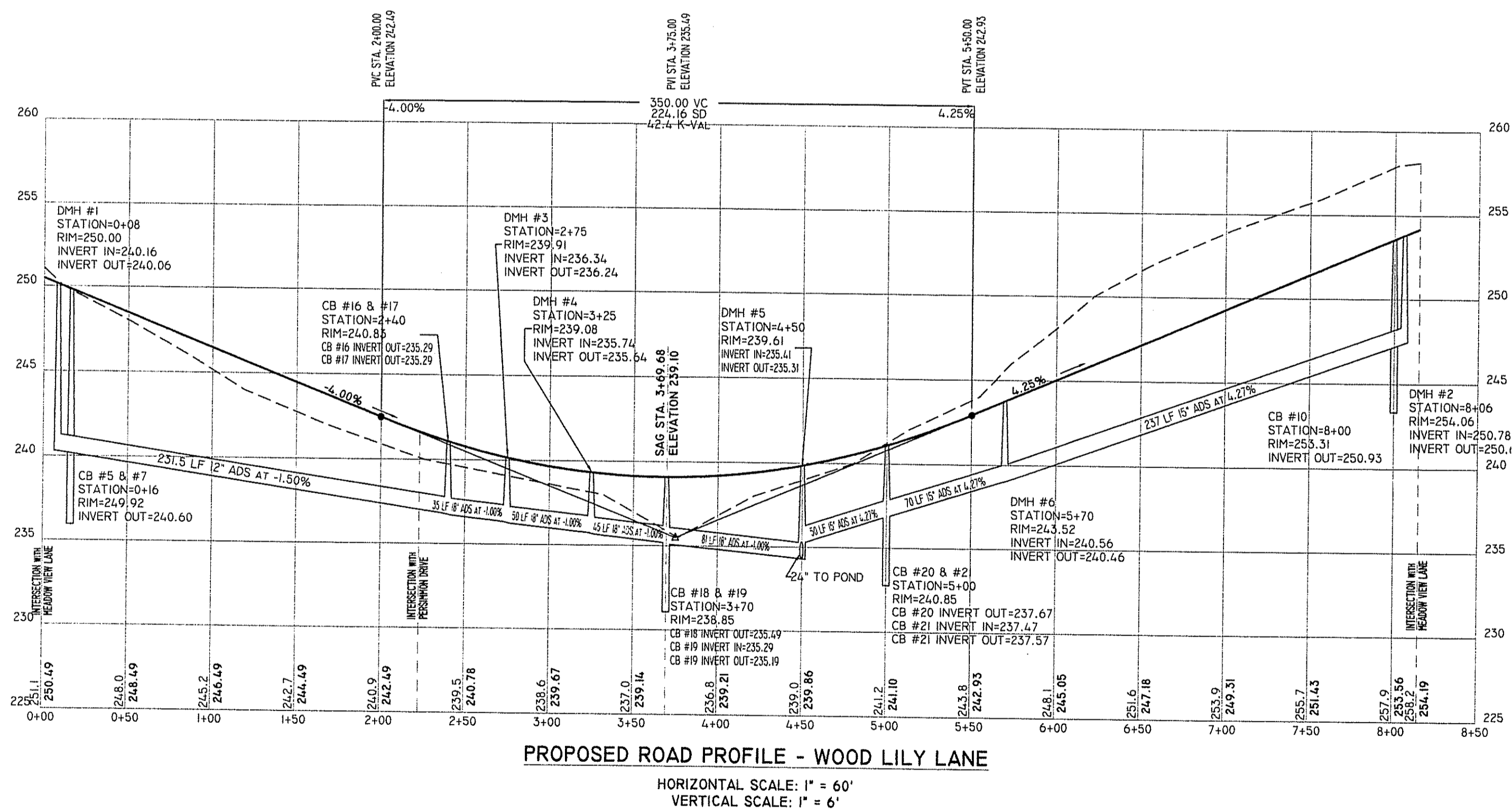
COMPREHENSIVE PERMIT FINAL PLAN
 PROPOSED ROAD PROFILE - TERRA VERDE DRIVE & CORNELL ROAD
 PREPARED FOR
CHURCH COMMUNITY HOUSING CORP.
 MAP 3-9 BLOCK 132 CARD 20
 MAP 4-8 & 4-9 BLOCK 193 CARD 1A
 CORNELL ROAD, PRESIDENTIAL AVENUE, TRUMAN AVENUE
 ROOSEVELT AVENUE, KENNEDY DRIVE, & BULGARMARSH ROAD
 TIVERTON, RHODE ISLAND
 SCALE: AS NOTED DATE: NOVEMBER 4, 2008

Civil Engineering Concepts, Inc.
 34A MAIN STREET P.O. BOX 5323
 LITTLE COMPTON, RI 02837 NEW BEDFORD, MA 02742
 PH: (401) 592-0177 FAX: (401) 592-0178
 (508) 990-4900

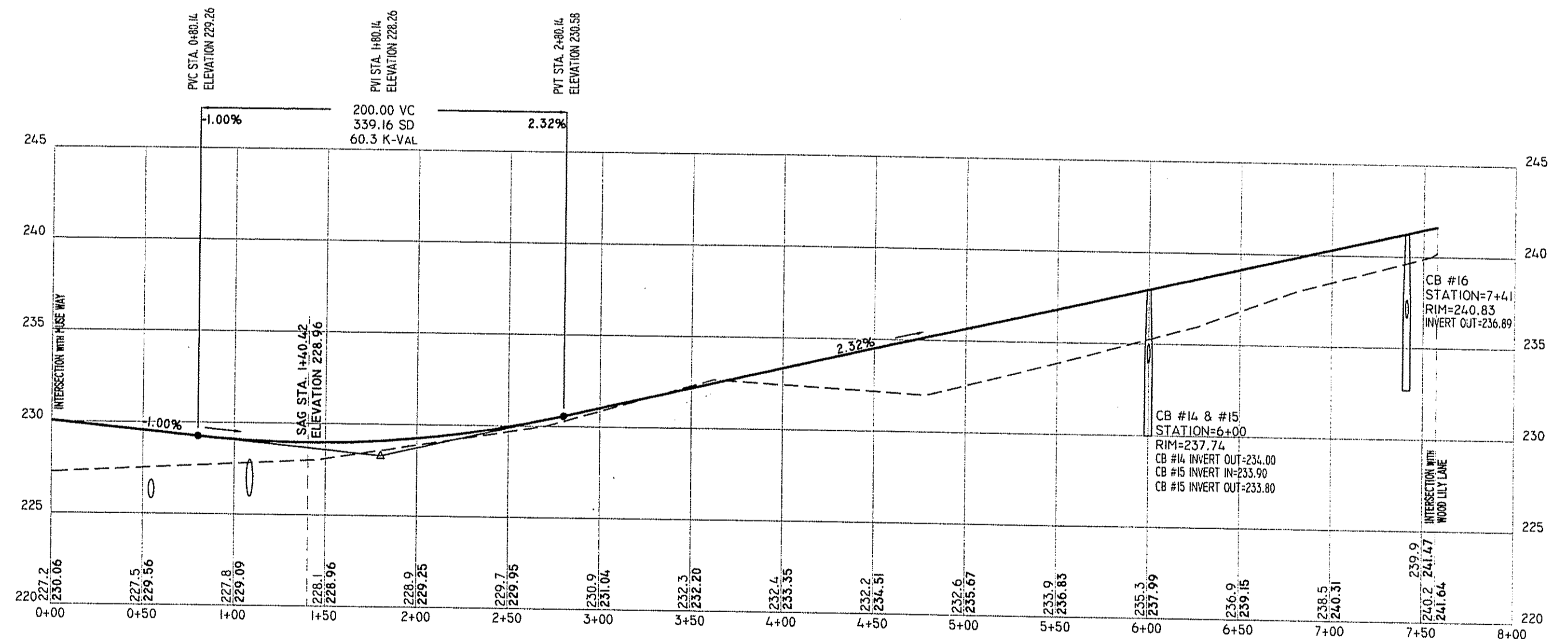
SHEET 8 OF 17 JOB#: 05-003



PROPOSED ROAD PROFILE - VITRUVIAN LANE
HORIZONTAL SCALE: 1" = 60'
VERTICAL SCALE: 1" = 6'



PROPOSED ROAD PROFILE - WOOD LILY LANE
HORIZONTAL SCALE: 1" = 60'
VERTICAL SCALE: 1" = 6'



PROPOSED ROAD PROFILE - PERSIMMON DRIVE
HORIZONTAL SCALE: 1" = 60'
VERTICAL SCALE: 1" = 6'

ROAD SCHEDULE						
NAME	STATION	TO STATION	SURFACE COURSE	BASE COURSE	CURBING	MAINT. STATUS
ROOSEVELT AVENUE	0+00	3+50	1.5" Bit. Conc.	2" Bit. Conc.	CONCRETE	PUBLIC
ROOSEVELT AVENUE	3+50	7+40	1.5" Bit. Conc.	2" Bit. Conc.	CONCRETE (SEE PLAN)	PUBLIC
MUSE WAY	7+40	1+00	1.5" Bit. Conc.	2" Bit. Conc.	CONCRETE	PRIVATE
MEADOW VIEW LANE	1+00	28+31	1.5" Bit. Conc.	1.5" Bit. Conc.	BIT. BEHM	PRIVATE
PERSIMMON DRIVE	0+00	7+67	1.5" Bit. Conc.	1.5" Bit. Conc.	NO	PRIVATE
WOOD LILY LANE	0+00	8+41	1.5" Bit. Conc.	1.5" Bit. Conc.	NO	PRIVATE
INDIAN GRASS CIRCLE	0+00	4+80	1.5" Bit. Conc.	1.5" Bit. Conc.	NO	PRIVATE
TERRA VERDE DRIVE	0+00	10+00	1.5" Bit. Conc.	1.5" Bit. Conc.	BIT. BEHM	PRIVATE
VITRUVIAN LANE	0+00	12+29	1.5" Bit. Conc.	1.5" Bit. Conc.	BIT. BEHM	PRIVATE
CORNELL ROAD	10+00	2+80	1.5" Bit. Conc.	1.5" Bit. Conc.	NO	PUBLIC

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Matthew D. Wencel

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NOTE:
ALL DRAINAGE PIPING TO BE 12" DIA. ADS UNLESS OTHERWISE INDICATED.
ALL CATCH BASIN SUMPS TO BE 4" DEEP UNLESS OTHERWISE INDICATED.

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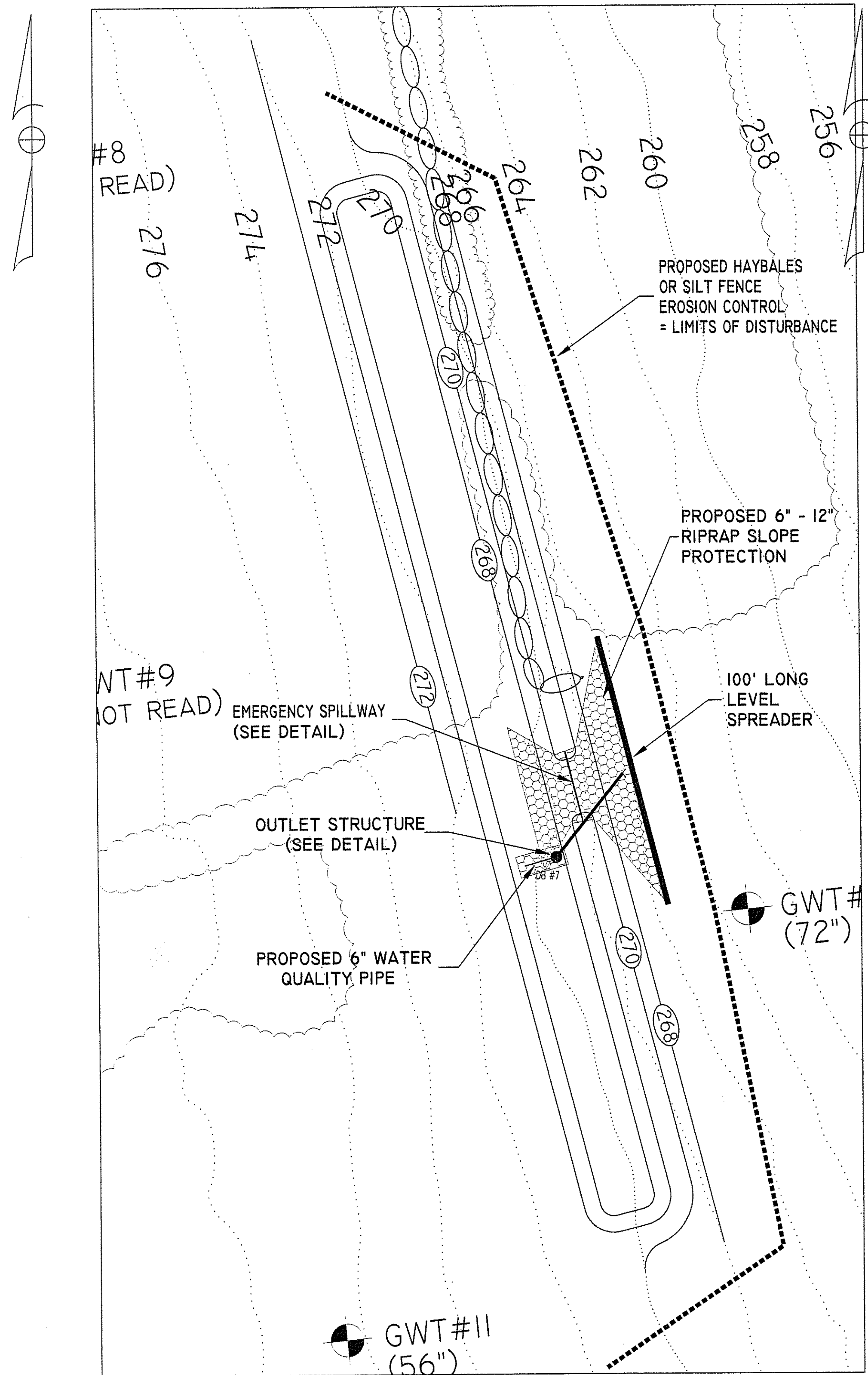
WILLIAM F. SMITH
REGISTERED PROFESSIONAL ENGINEER
No. 0004

REVISIONS:
#4: 01/02/09: NO REVISIONS THIS SHEET
#3: 12/23/08: NO REVISIONS THIS SHEET
#2: 12/15/08: NO REVISIONS THIS SHEET
#1: 11/25/08: PER REVIEW COMMENTS

COMPREHENSIVE PERMIT FINAL PLAN
PROPOSED ROAD PROFILE - PERSIMMON DRIVE,
WOOD LILY LANE, INDIAN GRASS CIRCLE, & VITRUVIAN LANE
CHURCH COMMUNITY HOUSING CORP.
MAP 3-9 BLOCK 132 CARD 20
MAP 4-8 & 4-9 BLOCK 193 CARD 1A
CORNELL ROAD, PRESIDENTIAL AVENUE, TRUMAN AVENUE,
ROOSEVELT AVENUE, KENNEDY DRIVE, & BULGARMARSH ROAD
TIVERTON, RHODE ISLAND
SCALE: AS NOTED DATE: NOVEMBER 4, 2008

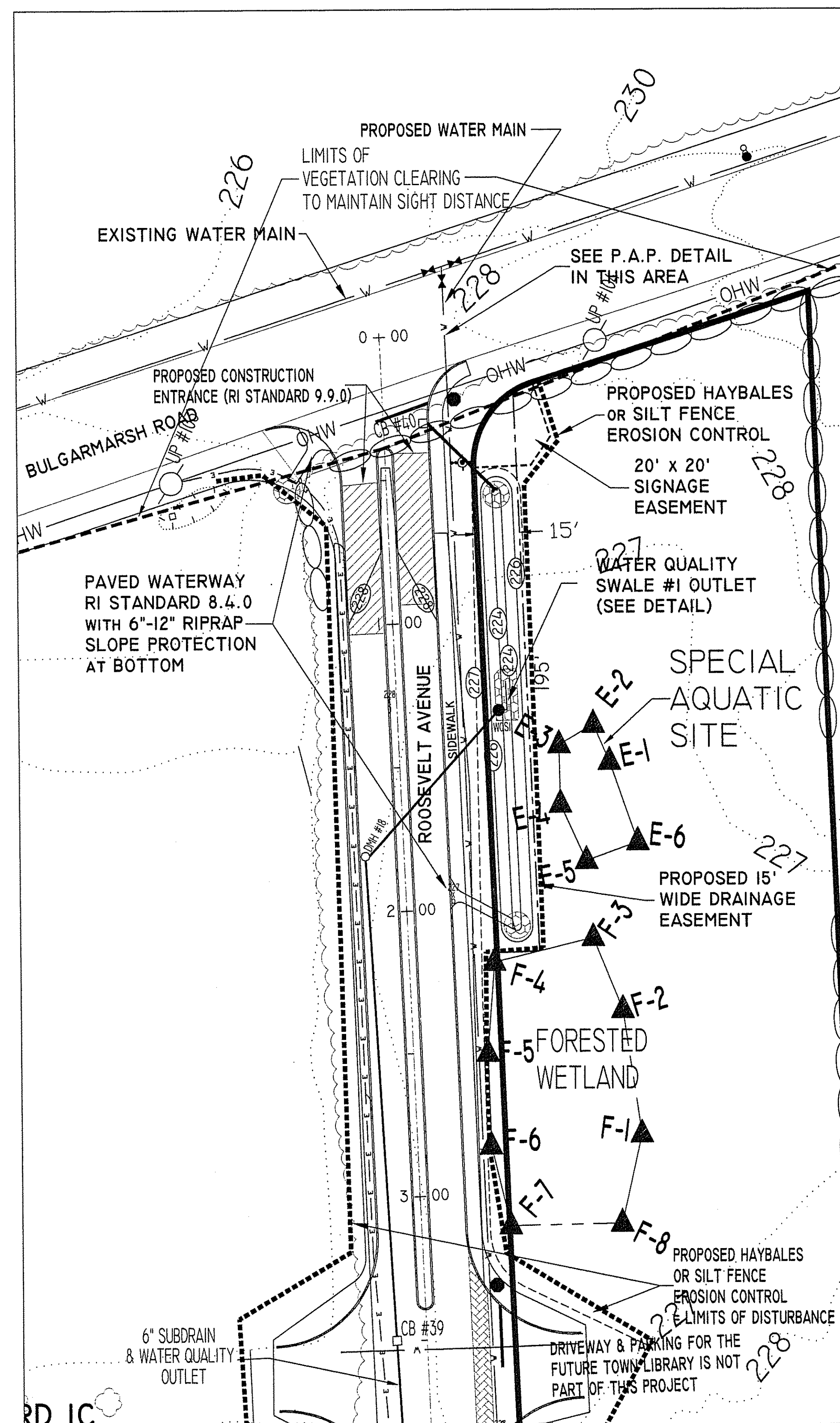
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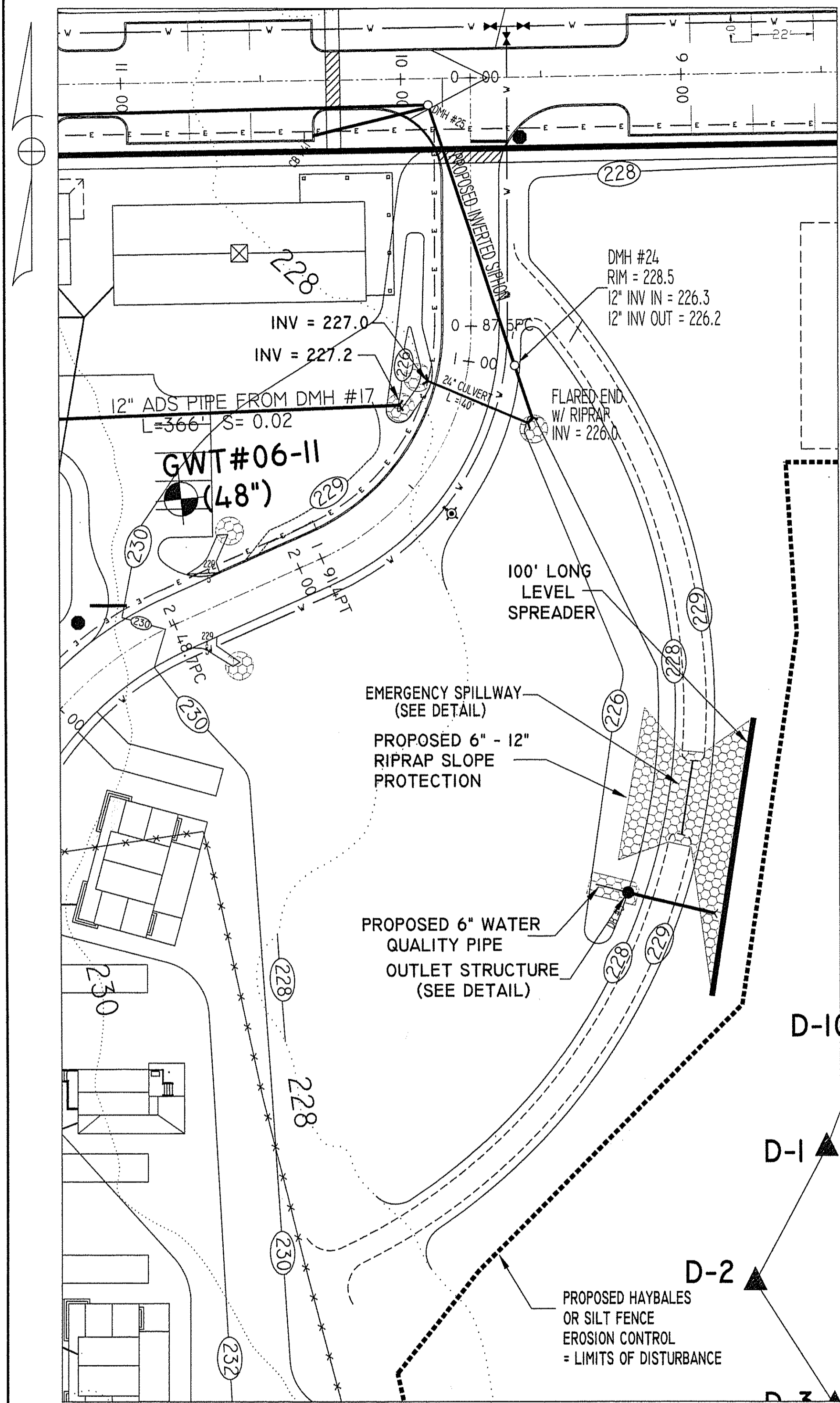
JAN 5 2009



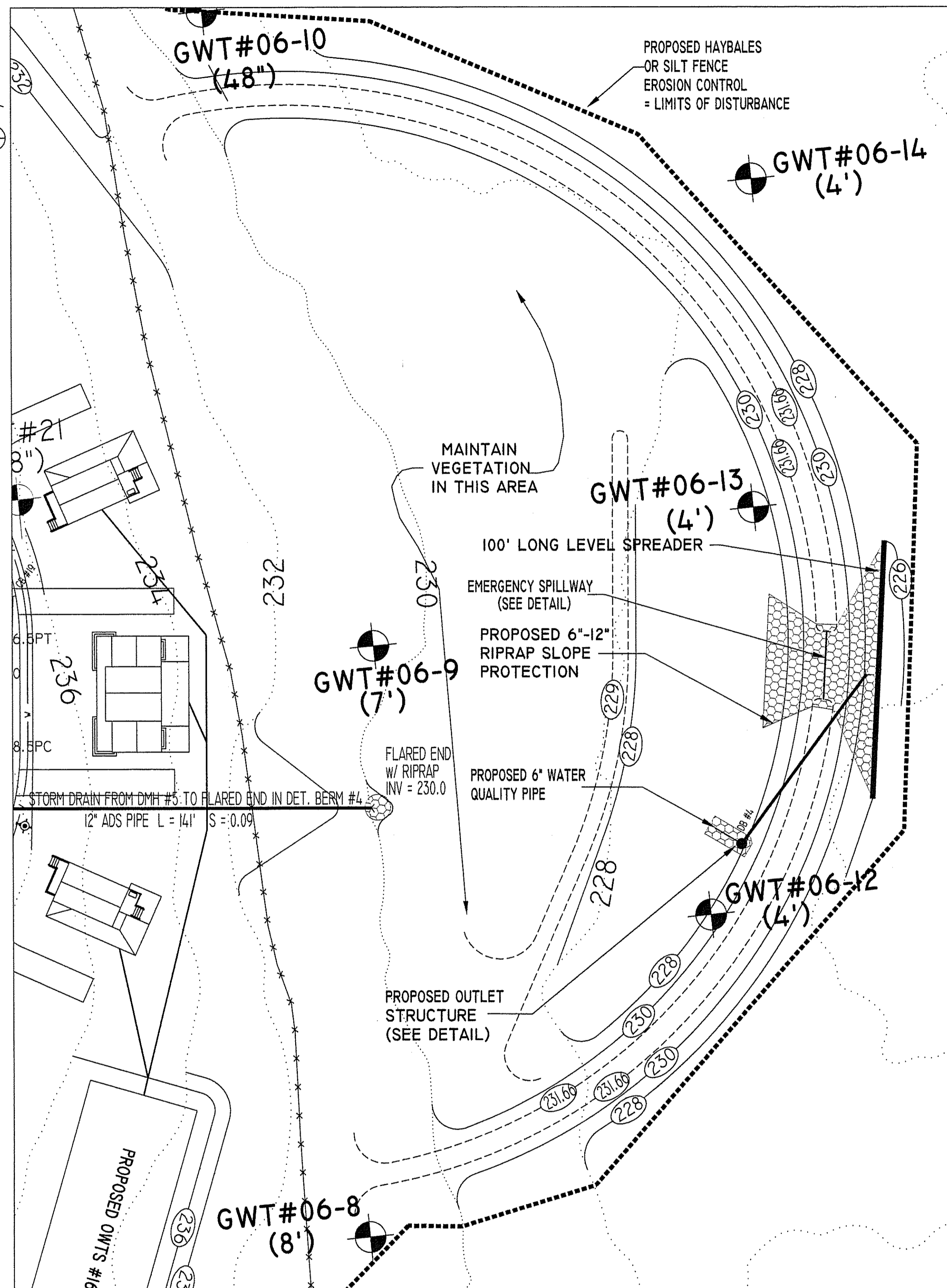
DETENTION BERM #7

SCALE: 1" = 30'

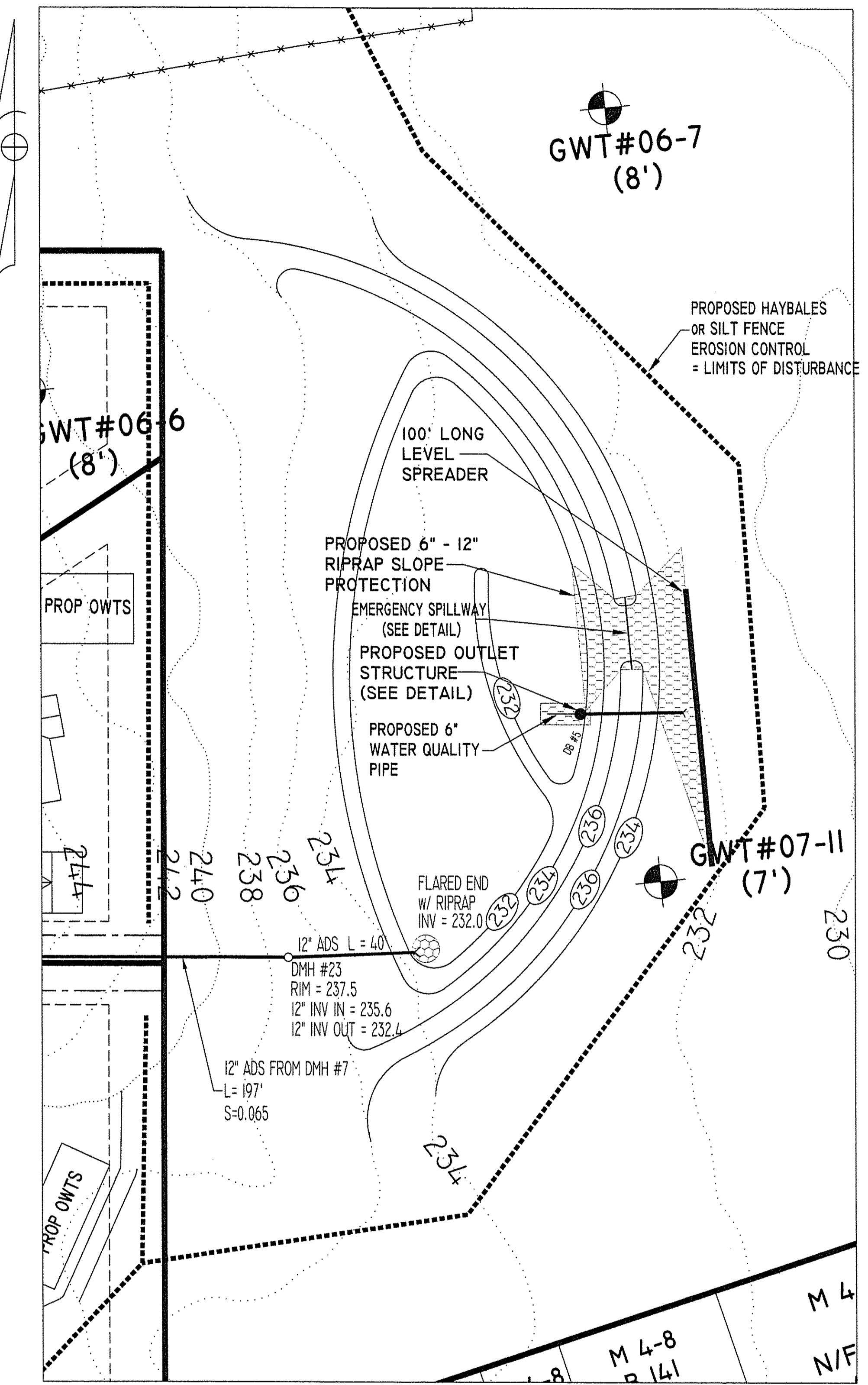




DETENTION BERM #3
SCALE: 1" = 30'



DETENTION BERM #4
SCALE: 1" = 30'



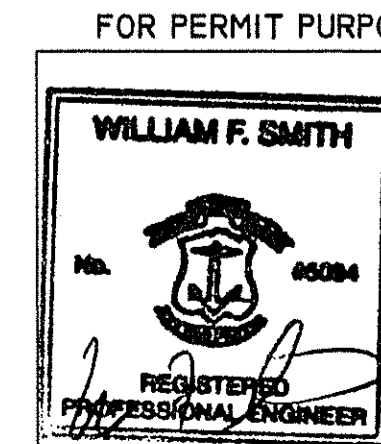
DETENTION BERM #5
SCALE: 1" = 30'

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Martin D. Wencel

*REFER TO SHEET 14 FOR PLAN NOTES

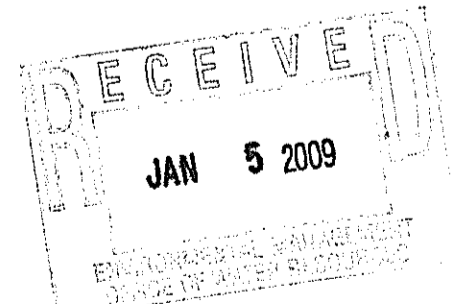


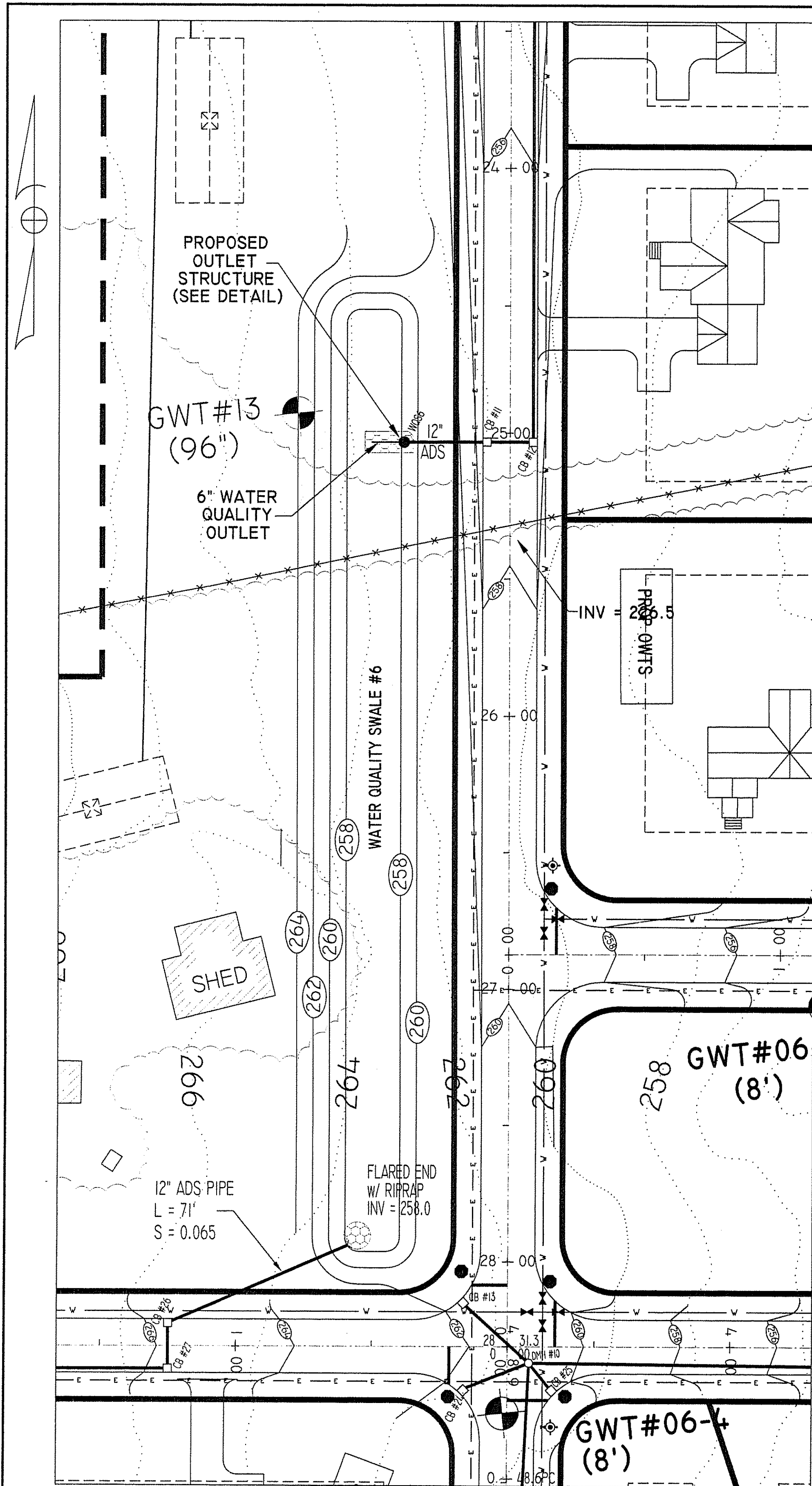
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#2: 12/15/08: NO REVISIONS THIS SHEET
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REVISIONS:

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DETAIL SHEET
PREPARED FOR
CHURCH COMMUNITY HOUSING CORP.
MAP 3-9 BLOCK 132 CARD 20
MAP 4-8 & 4-9 BLOCK 193 CARD 1A
CORNELL ROAD, PRESIDENTIAL AVENUE, TRUMAN AVENUE
ROOSEVELT AVENUE, KENNEDY DRIVE, & BULGARMARSH ROAD
TIVERTON, RHODE ISLAND
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SHEET 11 OF 17 JOB#: 05-003

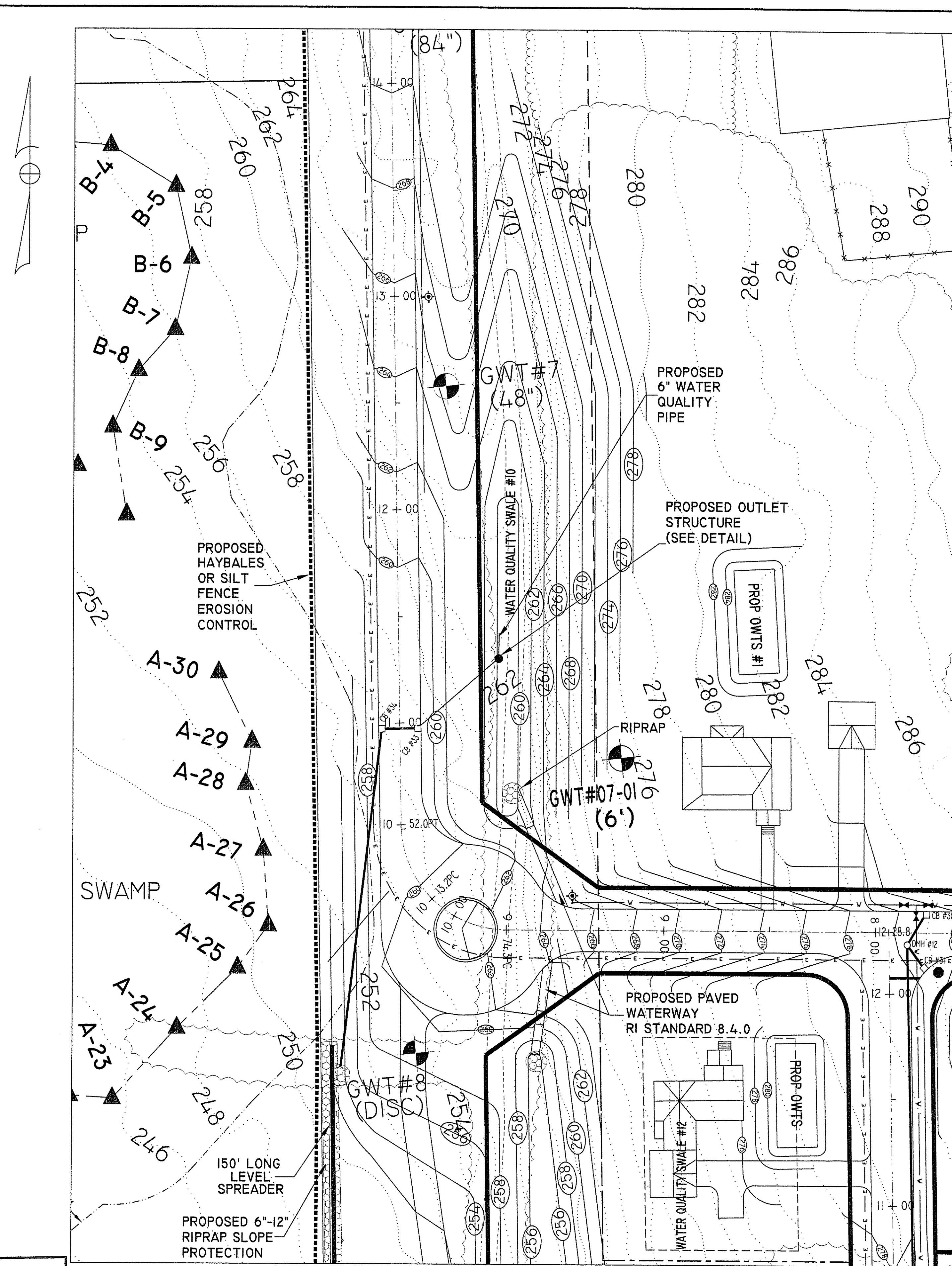




WATER QUALITY SWALE #6

SCALE: 1" = 30'

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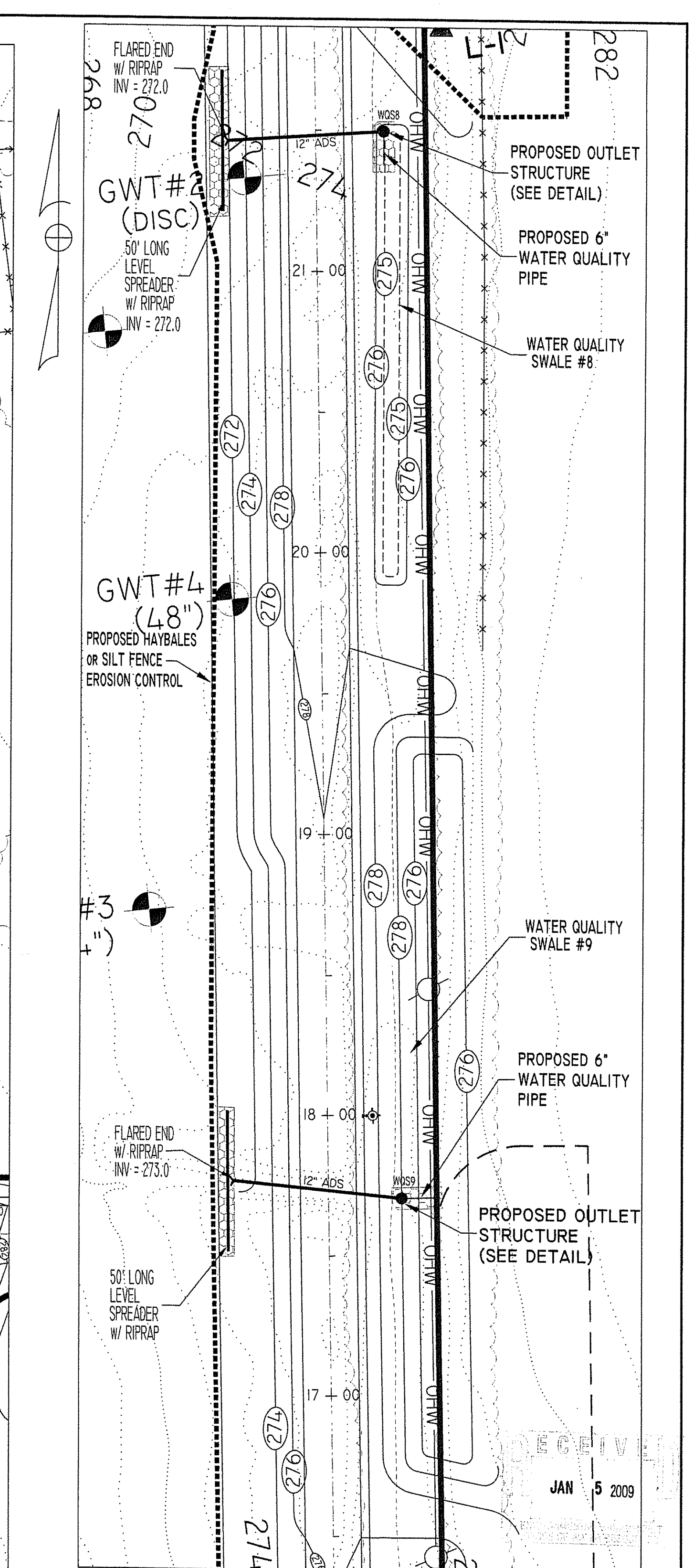
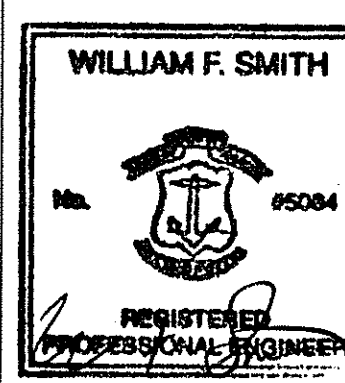
WATER QUALITY SWALE #10

SCALE: 1" = 30'

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Matthew D. Wencel

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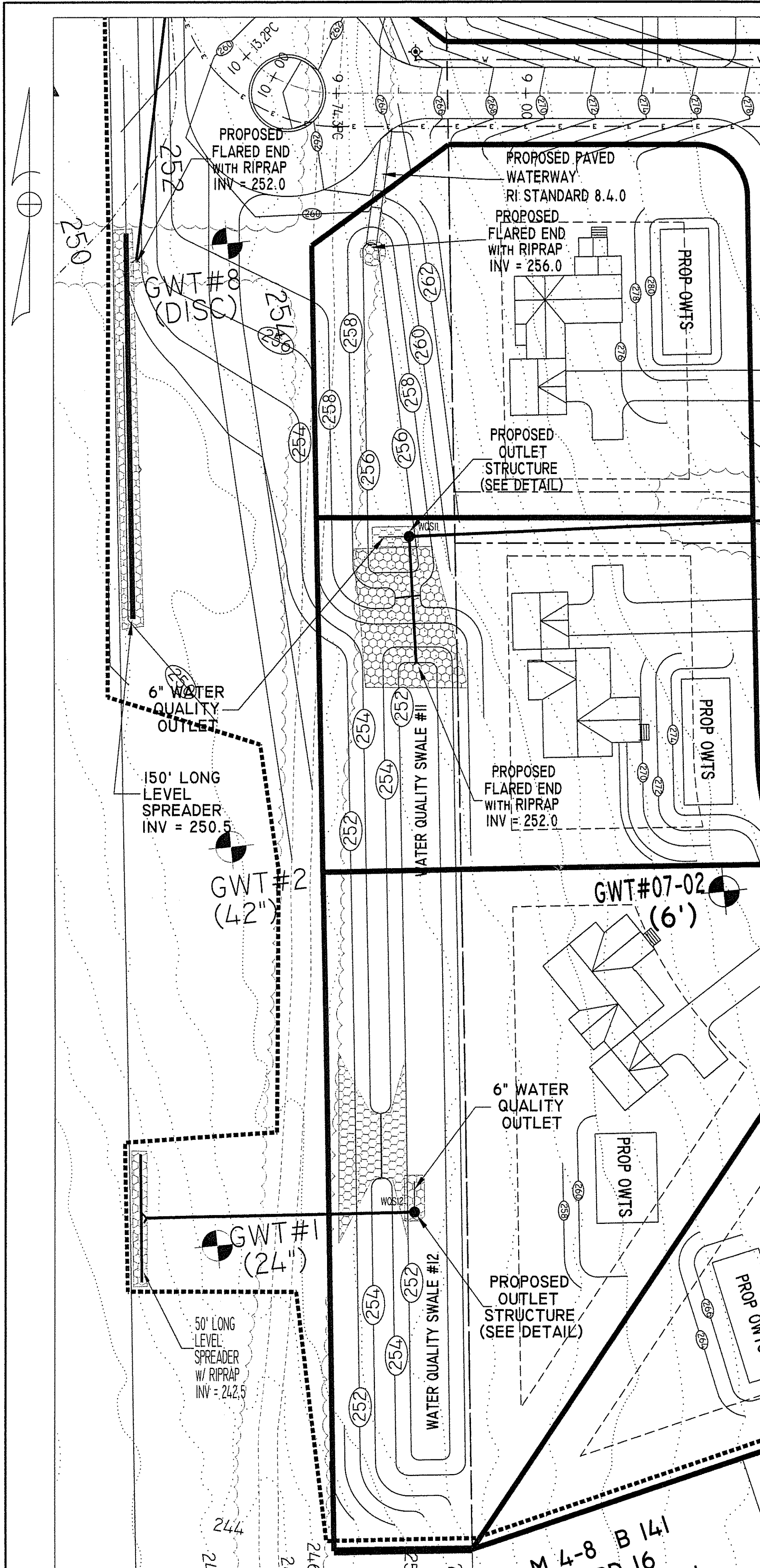
WATER QUALITY SWALES #8 & #9

SCALE: 1" = 30'

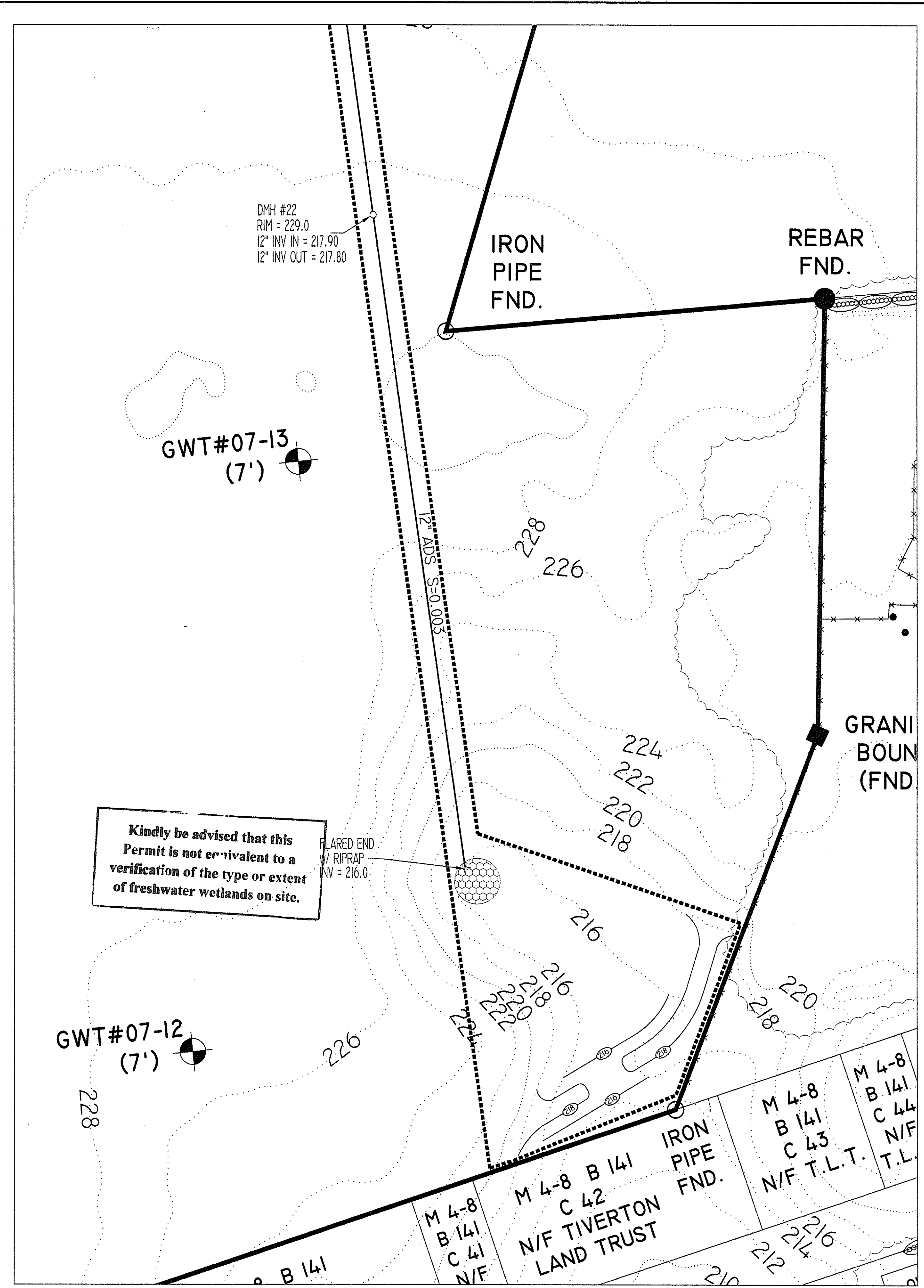
COMPREHENSIVE PERMIT FINAL PLAN
 DETAIL SHEET
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 CHURCH COMMUNITY HOUSING CORP.
 MAP 3-9 BLOCK 132 CARD 20
 MAP 4-8 & 4-9 BLOCK 193 CARD 1A
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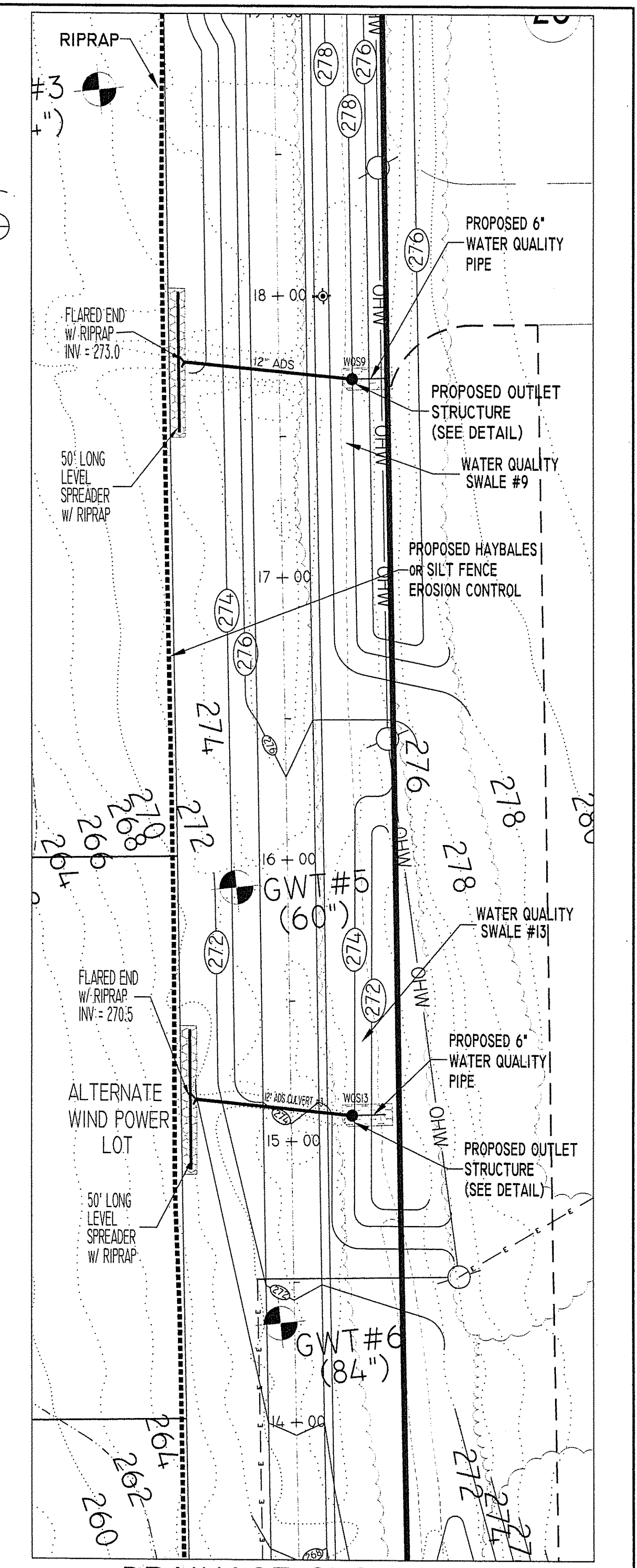
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REVISIONS:



DRAINAGE SYSTEMS #11 & #12
SCALE: 1" = 30'



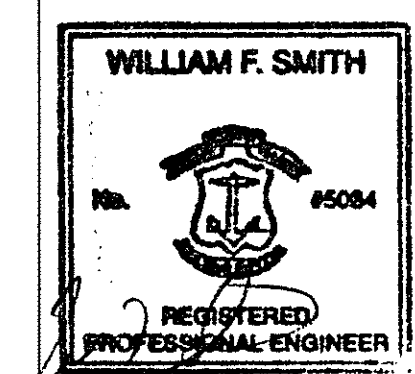
WATER QUALITY SWALE #1 & #2 DISCHARGE
SCALE: 1" = 30'



DRAINAGE SYSTEM #13
SCALE: 1" = 30'

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Matthew D. Weneck



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CHURCH COMMUNITY HOUSING CORP.
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SHEET 13 OF 17

PLAN NOTES:

- OWNER: JOSEPH BOSSOM TRUSTEE
580 CORNELL ROAD
TIVERTON, RI 02878
- APPLICANT: CHURCH COMMUNITY HOUSING CORP.
50 WASHINGTON SQUARE
NEWPORT, RI 02841
- ASSESSOR'S REFERENCE: BLOCK 132 CARD 20
BLOCK 193 CARD 1A
- DEED REFERENCE: BOOK 570 PAGE 332
BOOK 432 PAGE 77
BOOK 516 PAGE 142
- SITE IS LOCATED ON FLOOD INSURANCE RATE MAP (FIRM) TOWN OF TIVERTON, RHODE ISLAND, NEWPORT COUNTY COMMUNITY PANEL 44.0612-0006C (MAP NOT PRINTED ZONE C-AREA OF MINIMAL FLOODING).
- WETLANDS DELINEATION PERFORMED BY NATURAL RESOURCE SERVICES, INC.
- SITE WILL BE SERVICED BY TOWN WATER AND ON-SITE SEPTIC SYSTEMS. TELEPHONE, ELECTRIC, AND CATV WILL BE LOCATED UNDERGROUND.
- THE SITE IS NOT LOCATED IN THE STAFFORD POND OR NONQUIT POND WATERSHED OVERLAY DISTRICT.
- TOPOGRAPHY WAS OBTAINED BY AERIAL PHOTOGRAMMETRY PERFORMED BY TECHMAP, INC. SURVEY CONTROL PERFORMED BY CIVIL ENGINEERING CONCEPTS, INC.

ZONE =

R-80	R-60	GC
MINIMUM LOT AREA = 80,000 SF	60,000 SF	12,000 SF
MINIMUM LOT WIDTH = 200 FT	175 FT	100 FT
MINIMUM FRONT YARD = 50 FT	40 FT	50 FT
MINIMUM SIDE YARD = 35 FT	30 FT	20 FT
MINIMUM REAR YARD = 80 FT	60 FT	20 FT

PROPOSED R-30 RURAL:

MINIMUM LOT AREA = 15,000 SF
MINIMUM LOT WIDTH = 120 FT
MINIMUM FRONT YARD = 25 FT
MINIMUM SIDE YARD = 15 FT
MINIMUM REAR YARD = 20 FT

- PROPERTY LINES AS SHOWN ARE THE RESULT OF A PERIMETER SURVEY.
- DENSITY CALCULATIONS:
TOTAL PARCEL AREA = 173 ACRES±
R-80 SUITABLE AREA = 4,791,800± SF = 61.1 TOTAL UNITS
80,000 SF
R-60 SUITABLE AREA = 253,200± SF = 4.2 TOTAL UNITS
60,000 SF
GC SUITABLE AREA = 2,200± SF = 0.2 TOTAL UNITS
12,000 SF
= 65.5 TOTAL UNITS (76 UNITS PROPOSED) (INCLUDES 53 AFFORDABLE UNITS)
- A PORTION OF KENNEDY DRIVE AND RESIDENTIAL AVENUE ALONG WITH EISENHOWER AVENUE ARE PROPOSED TO BE ABANDONED. A PORTION OF CORNELL ROAD WILL BE NARROWED FROM 132 FEET TO 78 FEET. (SUBJECT TO ACTION BY THE TIVERTON TOWN COUNCIL).
- BOUNDS TO BE SET AT ALL FRONTAGE PROPERTY CORNERS, MINIMUM.
- ALL PROPOSED WATER MAINS TO BE 8" CLASS C, CEMENT LINED DUCTILE IRON. ALL HOUSE AND BUILDING SERVICES TO BE 1" DIA. COPPER TYPE K TUBING. ALL PROPOSED HYDRANTS TO BE KENNEDY KBIA OPEN LEFT. ALL WORK SHALL COMPLY WITH THE MATERIAL SPECIFICATIONS AND REQUIREMENTS FOR THE NORTH TIVERTON FIRE DISTRICT AS MOST RECENTLY AMENDED.
- UNDERGROUND ELECTRIC, CATV, & TELEPHONE TO BE INSTALLED IN A DUCT BANK CONSISTING OF SIX (6) 4" DIA. CONDUITS, AND IS SUBJECT TO THE RESPECTIVE UTILITY COMPANY DESIGN, APPROVAL, AND SPECIFICATIONS.
- ALL PROPOSED CATCH BASINS AND DRAIN MANHOLES SHALL BE PRECAST CONCRETE. BASINS TO HAVE 4" SLUMPS.
- WORK SHOWN ON BLOCK 141 CARD 12A, BLOCK 192 CARD 1C, AND LIBRARY-1 (EXCLUSIVE OF WATER QUALITY SWALES) IS NOT PART OF THIS PROJECT.

P.A.P. NOTES

- ALL WORK WITHIN THE STATE HIGHWAY R.O.W. SHALL CONFORM TO RIDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION, INCLUDING ALL REVISIONS AND THE RHODE ISLAND STANDARD DETAILS.
- ALL TRAFFIC CONTROL SHALL CONFORM TO THE MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES 2003, INCLUDING ALL REVISIONS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY, AS REQUIRED BY LAW, TO NOTIFY DIG SAFE PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES.
- CONTRACTOR SHALL MAINTAIN ONE LANE OF TRAFFIC AT ALL TIMES. FLAG PERSONS/POLICE DETAIL SHALL BE ON SITE DURING WORK WITHIN THE ROUTE 177 RIGHT OF WAY. ADEQUATE SIGNAGE WARNING APPROACHING VEHICLES OF WORK ZONE IS REQUIRED PRIOR TO ANY WORK WITHIN ROUTE 177 RIGHT OF WAY.

STORMWATER SYSTEM MAINTENANCE PLAN

- MAINTENANCE SCHEDULE AND TASKS:
ROUTINE MAINTENANCE OF THE STORMWATER SYSTEM SHALL OCCUR AS FOLLOWS:
- THE PRIVATE ROADWAY SURFACE AREAS SHALL BE SWEEPED WITH A MOTORIZED STREET SWEEPER AT LEAST ANNUALLY BY THE HOMEOWNERS ASSOCIATION.
 - THE CATCH BASINS AND SEDIMENT TRAPS SHALL BE INSPECTED FOR SEDIMENT ACCUMULATION AND PHYSICAL CONDITION AT LEAST ANNUALLY WITH REMEDIAL BY THE HOMEOWNERS ASSOCIATION AS NEEDED. THE DEVELOPER SHALL BE RESPONSIBLE FOR CATCH BASIN AND SEDIMENT TRAPS AND MAINTENANCE UNTIL SUCH TIME.
 - WHENEVER 6 INCHES OF SILT HAS ACCUMULATED IN THE BERM OR SWALE, THE SEDIMENTS SHALL BE REMOVED BY MECHANICAL OR MANUAL EQUIPMENT. ALL SEDIMENTS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN APPROVED DISPOSAL FACILITY. THIS WORK WILL BE ACCOMPLISHED WITHIN 1 YEAR AFTER INSTALLATION BY THE DEVELOPER AND AT LEAST EVERY 10 YEARS THEREAFTER BY THE HOMEOWNERS ASSOCIATION.
 - THE VEGETATED CONDITION OF THE LEVEL SPREADERS OR DOWNSTREAM OF DRAINAGE DISCHARGE SHALL BE INSPECTED ANNUALLY. ANY EROSION OF CHANNELS OR BANKS, ANY EXCESSIVE SEEPAGE OR ANY LOSS OF VEGETATIVE COVER SHALL BE PROMPTLY REPAIRED USING STANDARD LANDSCAPE PRACTICES. MOWING OF SIDE SLOPES OF THE DRAINAGE SYSTEM EMBANKMENTS SHALL BE PERFORMED AT LEAST ONCE DURING GROWING SEASON (AFTER AUGUST 15) TO ENSURE THAT WOODY GROWTH DOES NOT TAKE ROOT. ALL TRASH AND DEBRIS WILL BE REMOVED FROM THE POND AT THIS TIME. THIS WORK SHALL BE ACCOMPLISHED BY THE HOMEOWNERS ASSOCIATION.
 - THE OUTLET STRUCTURES AND OUTFLOW CHANNEL WILL BE INSPECTED MONTHLY BY THE HOMEOWNERS ASSOCIATION FOR THE FIRST 6 MONTHS TO INSURE PROPER OPERATION AND AT LEAST SEMI-ANNUALLY THEREAFTER. THE HOMEOWNERS ASSOCIATION WILL BE RESPONSIBLE FOR ALL MAINTENANCE REQUIRED OF THE DETENTION BERMS, SWALES, OUTLET STRUCTURES, AND DISCHARGE. THE HOMEOWNERS ASSOCIATION WILL BE RESPONSIBLE FOR PRIVATE ROAD SWEEPING, FLOWING AND SEDIMENT REMOVAL FROM THE CATCH BASINS. THE TOWN OF TIVERTON MAY TAKE APPROPRIATE LEGAL ACTION AGAINST THE OWNER OR HOMEOWNERS ASSOCIATION FOR FAILURE TO PERFORM ANY AND ALL REQUIRED MAINTENANCE ACTIVITIES AS OUTLINED HEREIN. THE MAINTENANCE REQUIREMENTS WILL BE RECORDED IN THE DEEDS TO THE LOTS AND WITHIN THE HOMEOWNERS ASSOCIATION DOCUMENTS.
 - SILT REMOVAL AND DEEP HARROWING AND RE-SEEDING SHALL OCCUR WHEN DETENTION BERMS #3, #4, #5, AND #7 AND WATER QUALITY SWALE #6 FAIL TO DRAIN WITHIN 72 HOURS. ALL WORK SHALL BE DONE IN ACCORDANCE WITH RI DEH BEST MANAGEMENT PRACTICES.

EROSION AND SEDIMENT CONTROL:

- ELEMENTS OF THE EROSION AND SEDIMENT CONTROL PLAN ARE AS FOLLOWS:
- A HAYBALE CHECKROW OR SILT FENCE WILL BE INSTALLED ALONG THE LIMITS OF DISTURBANCE AS SHOWN ON THE SITE PLAN.
 - A STONE CONSTRUCTION ENTRANCE WILL BE INSTALLED AS SHOWN ON SHEET 17 OF 17 TO THE SITE TO MINIMIZE TRANSPORT OF SEDIMENT BY VEHICLES AT THE SITE.
 - DETENTION PONDS AND ASSOCIATED DRAINAGE SYSTEMS WILL BE INSTALLED PRIOR TO ANY PAVEMENT BEING PLACED. HAYBALES OR SILT FENCE ENCLOSURES WILL BE INSTALLED AROUND ALL CATCH BASINS UNTIL PAVEMENT IS PLACED.
 - IMMEDIATELY FOLLOWING THE CONSTRUCTION OF EACH CATCH BASIN, A SILT SACK SHALL BE INSTALLED BETWEEN THE CATCH BASIN FRAME AND GRATE. THE SILT SACK SHALL BE REGULARLY MAINTAINED BY REMOVAL AND CLEANING AS REQUIRED TO PREVENT SILT FROM ENTERING THE DRAINAGE SYSTEM. THE SILT SACK SHALL REMAIN IN PLACE UNTIL THE TOP COURSE OF PAVEMENT HAS BEEN PLACED AND AFTER ROAD SHOULDER VEGETATION IS ESTABLISHED.
 - LAWN AND LANDSCAPE RELATED WORK WOULD COMMENCE AS SOON AS PRACTICAL AFTER CONSTRUCTION OF THE HOUSE, SEPTIC SYSTEM AND DRIVEWAY. NEWLY SEEDING LAWN WILL BE MULCHED TO MINIMIZE RUNOFF. WATER TO BE APPLIED AS NECESSARY TO MINIMIZE DUSTING AND TO ESTABLISH STAND OF TURF. IT IS ESTIMATED THAT THE DISTURBED AREAS WILL REMAIN EXPOSED FOR NO LONGER THAN 6 MONTHS UNLESS UNFORESEEN CONDITIONS ARISE.
 - THE OWNER AGREES TO ALLOW THE BUILDING INSPECTOR TO INITIATE ANY ADDITIONAL EROSION OR SEDIMENT CONTROL MEASURES NECESSARY TO MINIMIZE SILTATION OR SEDIMENTATION.

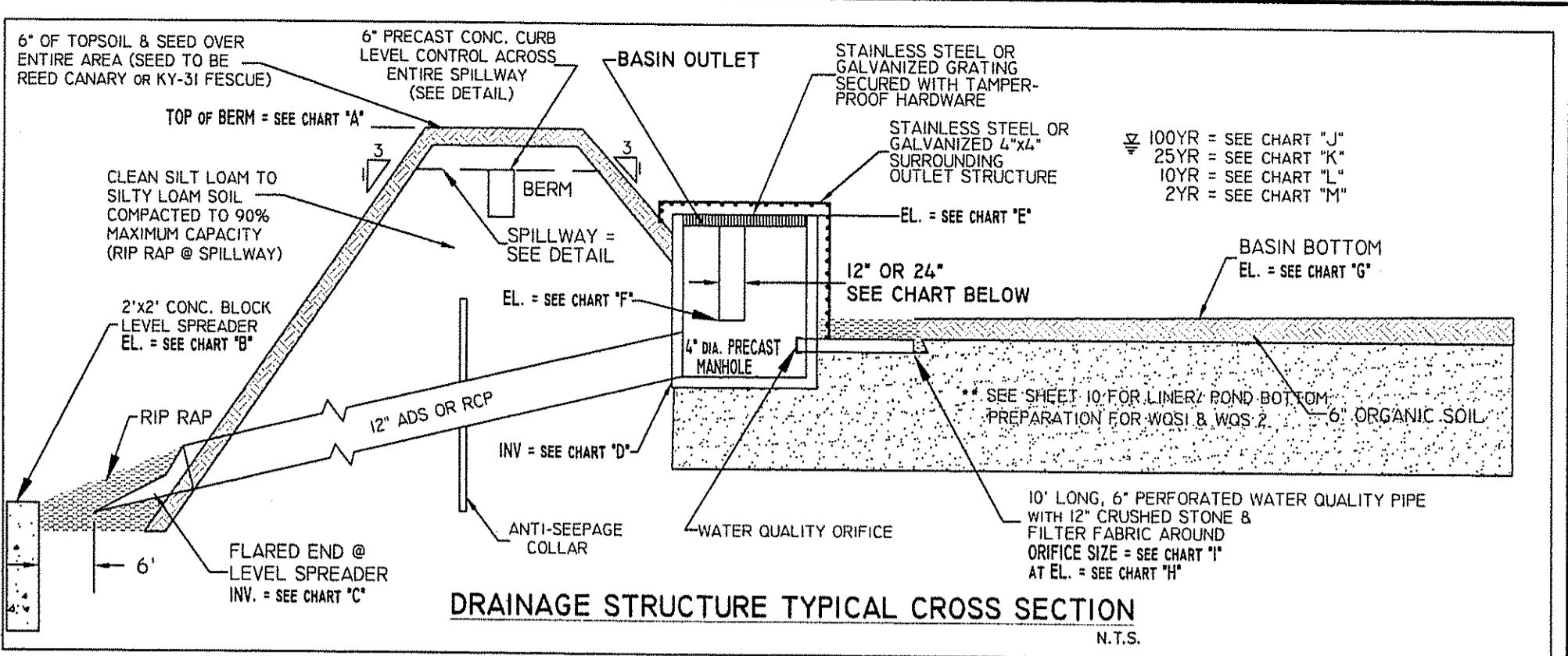
OWTS ELEVATION CHART

LOT #	AVERAGE GRADE	WATER TABLE	BOTTOM SYSTEM	INVERT END
MR-1	279.0	274.0	277.0	277.58
MR-2	273.0	268.0	271.0	271.58
MR-3	258.0	252.0	256.0	256.58
MR-4	266.0	261.0	264.0	264.58
MR-5	282.0	276.0	280.0	280.58
MR-6	281.0	274.0	277.0	278.50
MR-7	274.0	266.0	270.0	271.50
MR-8	268.0	262.0	265.0	265.50
MR-9	264.0	257.0	261.0	262.50
MR-10	260.0	255.0	258.0	258.58
MR-11	249.0	244.0	247.0	247.58
MR-12	239.0	233.0	237.0	237.58
MR-13	243.0	235.0	240.0	240.58
MR-14	242.0	234.0	238.0	239.50
MR-15	228.0	220.0	224.0	225.50
MR-16	256.0	248.5	252.0	253.50
MR-17	256.0	248.5	252.0	253.50
MR-18	284.0	277.0	280.0	281.50
MR-19	284.0	278.0	281.0	281.58
MR-20	285.0	279.0	282.0	282.58
MR-21	288.0	280.0	284.0	285.50
MR-22	286.0	279.0	282.0	283.50
MR-23	272.0	265.0	268.0	269.50
MR-24	262.0	254.0	258.0	259.50
JB-1	292.0	285.0	288.0	289.50
OWTS #1	282.0	276.0	281.0	281.58
OWTS #2	236.0	232.0	235.0	236.50
OWTS #3	245.0	242.0	245.0	246.50
OWTS #4	248.0	242.0	245.0	246.50
OWTS #5	250.0	242.0	245.0	247.50
OWTS #6	255.0	246.0	251.0	252.50
OWTS #7	264.0	255.0	260.0	261.50
OWTS #8	233.0	229.0	232.0	232.58
OWTS #9	236.0	231.0	233.0	233.58
OWTS #10	238.0	230.0	234.0	235.50
OWTS #11	241.0	234.0	238.0	238.58
OWTS #12	243.0	236.0	240.0	240.58
OWTS #13	251.0	244.0	247.0	248.50
OWTS #14	247.0	239.5	243.0	244.50
OWTS #15	244.0	236.0	240.0	241.50
OWTS #16	237.0	229.0	233.0	234.50

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Cynthia D. Wencel

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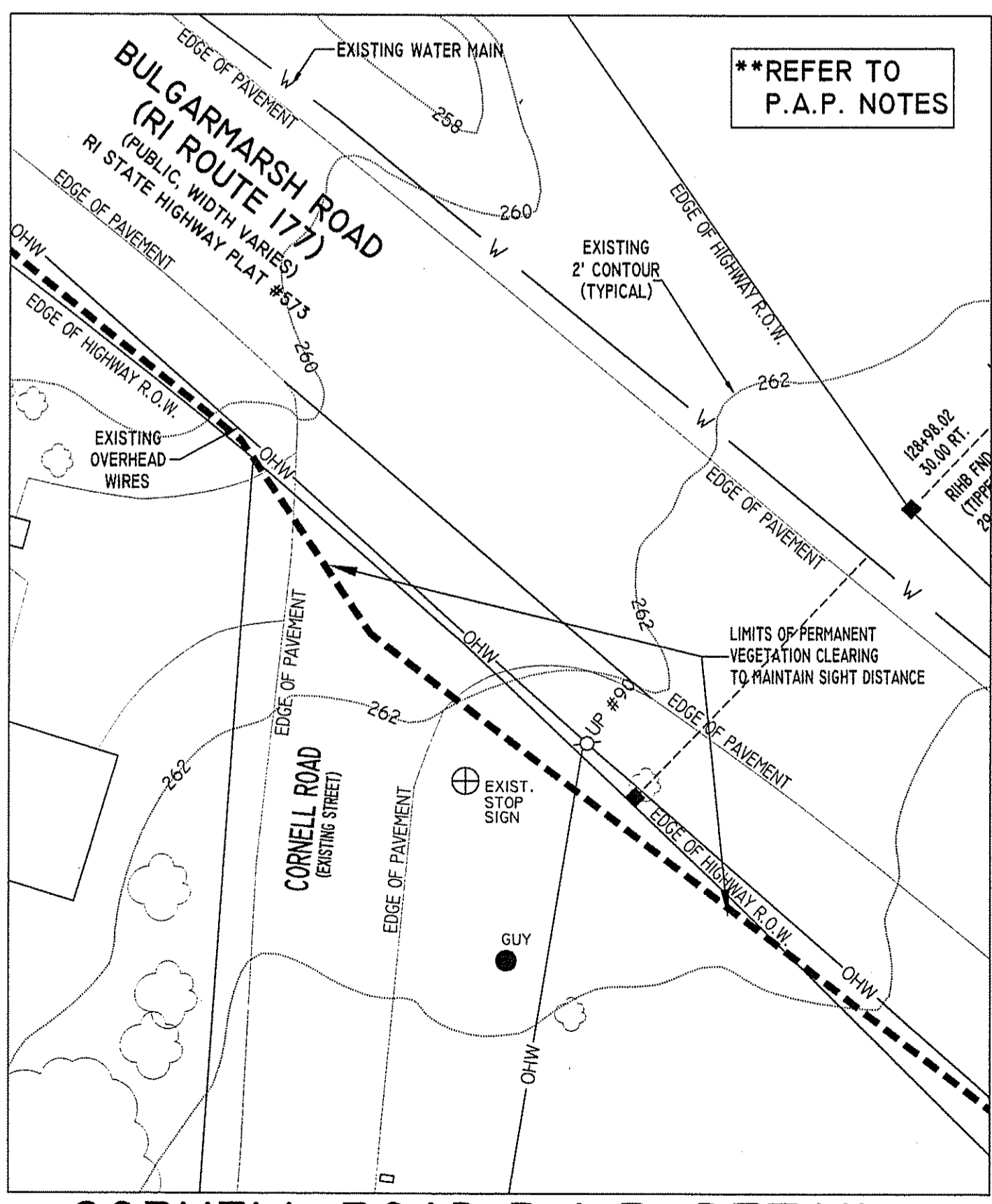
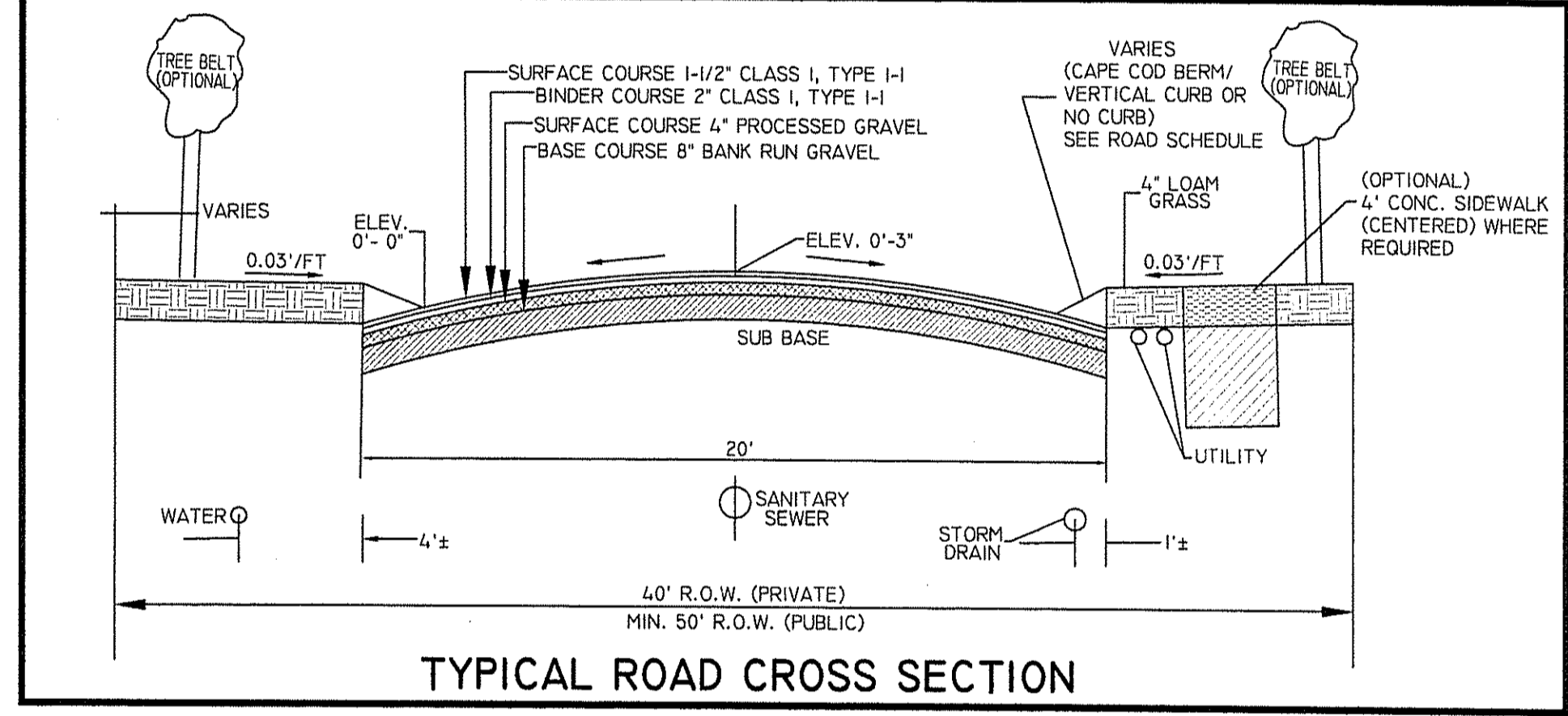
ROAD SCHEDULE

NAME	STATION	TO STATION	SURFACE COURSE	BASE COURSE	CURBING	SIDEWALK	WIDTH OF PAVEMENT	MAINT. STATUS
ROOSEVELT AVENUE	0+00	3+50	1.5\"/>					

GRAVEL SUBBASE SHALL CONSIST OF 4" (MIN.) PROCESSED GRAVEL OVER 8" BANK RUN GRAVEL. ALL WORK SHALL MEET THE TOWN OF TIVERTON AND RI DOT APPLICABLE ROAD CONSTRUCTION STANDARDS.

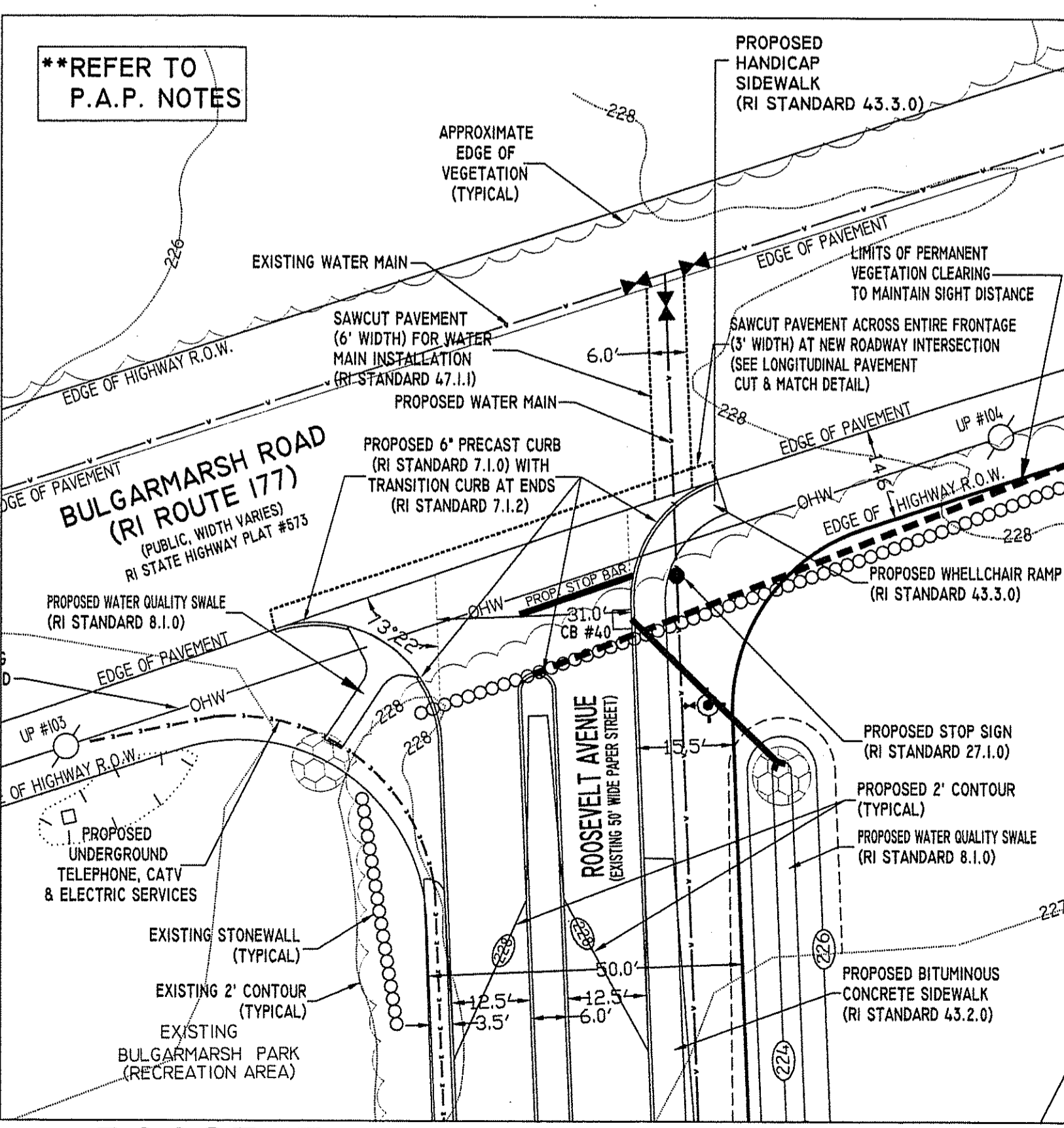
RIDEM OWTS SUBDIVISION SUITABILITY NOTES

- ALL WETLANDS/WATERCOURSES WITHIN THE SUBDIVISION OR IN THE VICINITY OF THE SUBDIVISION HAVE BEEN SHOWN.
- ALL EXISTING OR PROPOSED WELLS WITHIN 200' OF THE SUBDIVISION ARE SHOWN.
- THE SITE IS NOT LOCATED WITHIN THE WATERSHED OF A PUBLIC DRINKING WATER SUPPLY OR CRITICAL AREA.
- ALL EXISTING SEPTIC SYSTEMS WITHIN 100' OF THE PROPOSED SUBDIVISION ARE SHOWN.
- ALL DRAINS WITHIN 100' OF THE PROPOSED SUBDIVISION AREA SHOWN.
- ALL EXISTING OR PROPOSED PUBLIC WATER SUPPLIES WITHIN 400' OF THE PROPOSED SUBDIVISION ARE SHOWN (BRANTAL'S RESTAURANT ON CRANELL ROAD).



CORNELL ROAD P.A.P. DETAIL

SCALE: 1" = 20'



ROOSEVELT AVENUE P.A.P. DETAIL

SCALE: 1" = 20'

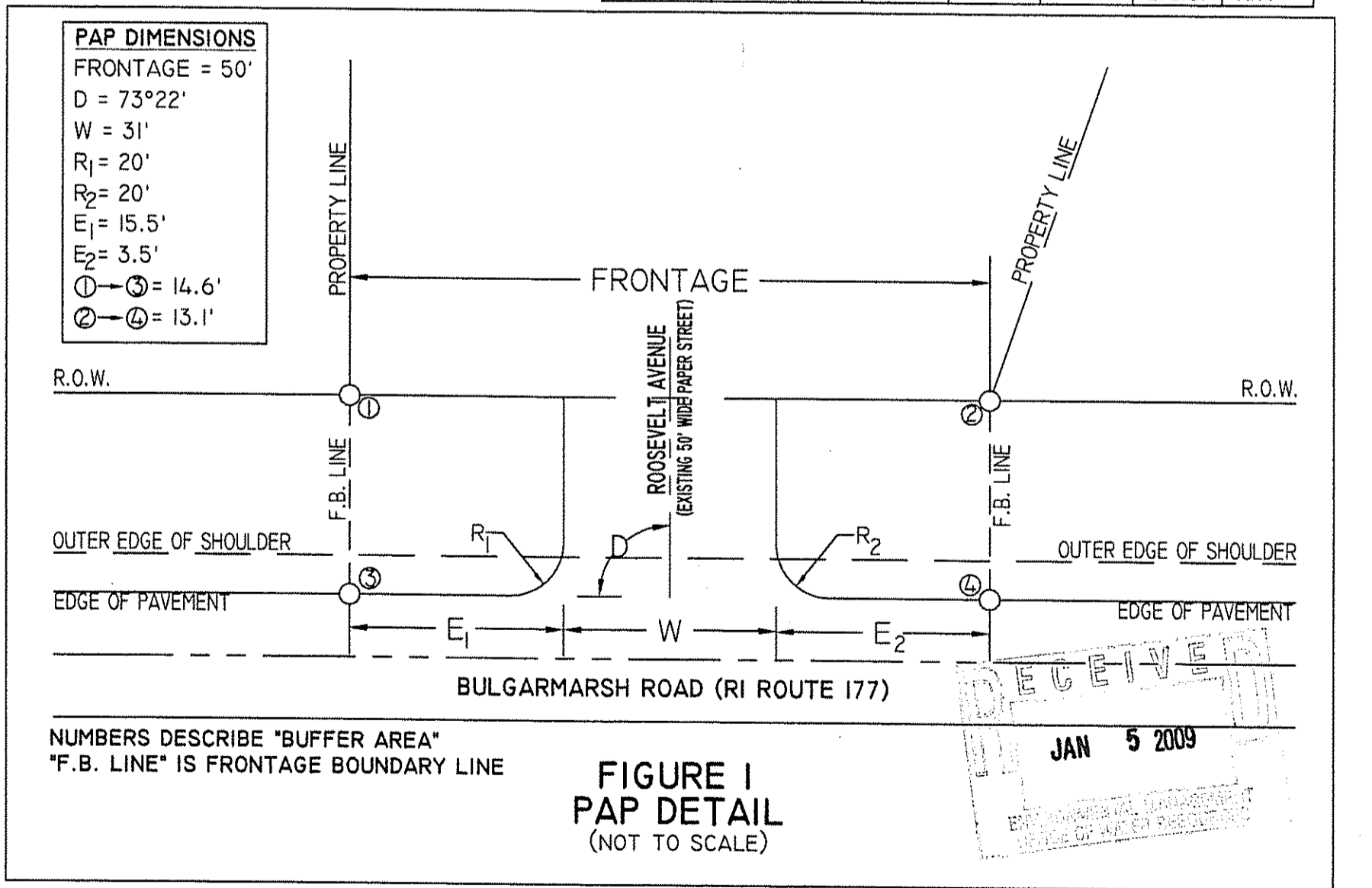
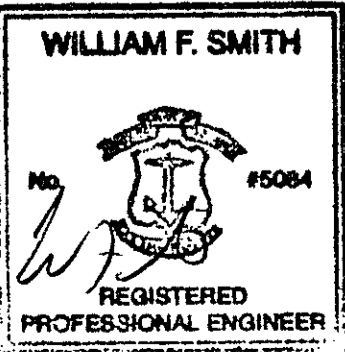


FIGURE 1 PAP DETAIL (NOT TO SCALE)

FOR PERMIT PURPOSES ONLY - NOT FOR CONSTRUCTION



- #1: 01/02/09: REVISE DRAINAGE INVERT CHART
- #2: 12/15/08: REVISE ROOSEVELT AVE. PAP DETAILS
- #3: 12/15/08: ADD SSD NOTES & CHARTS
- #4: 11/25/08: PER REVIEW COMMENTS

COMPREHENSIVE PERMIT PLAN DETAIL SHEET

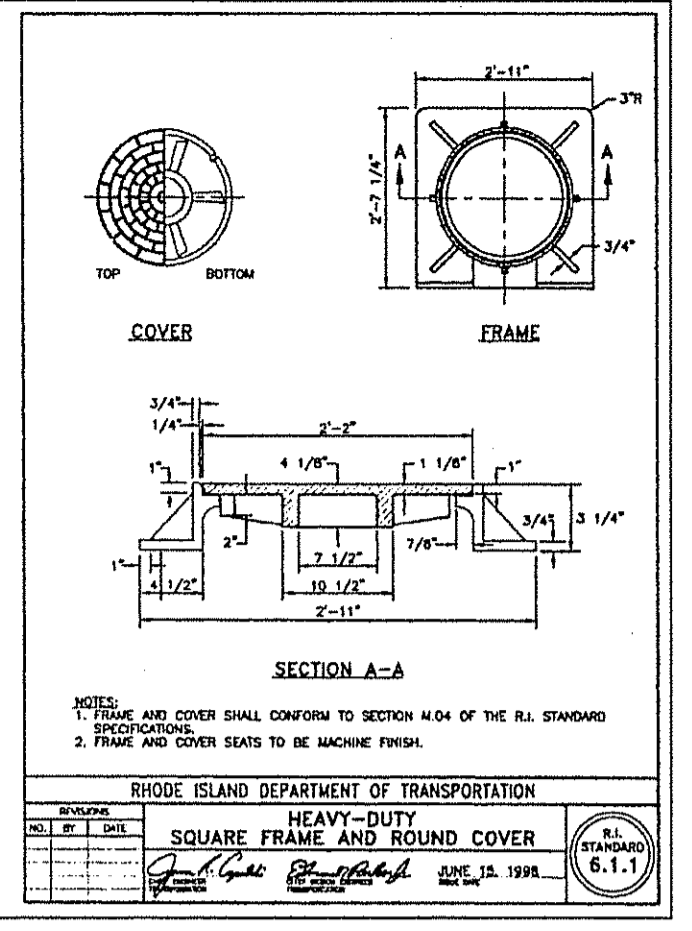
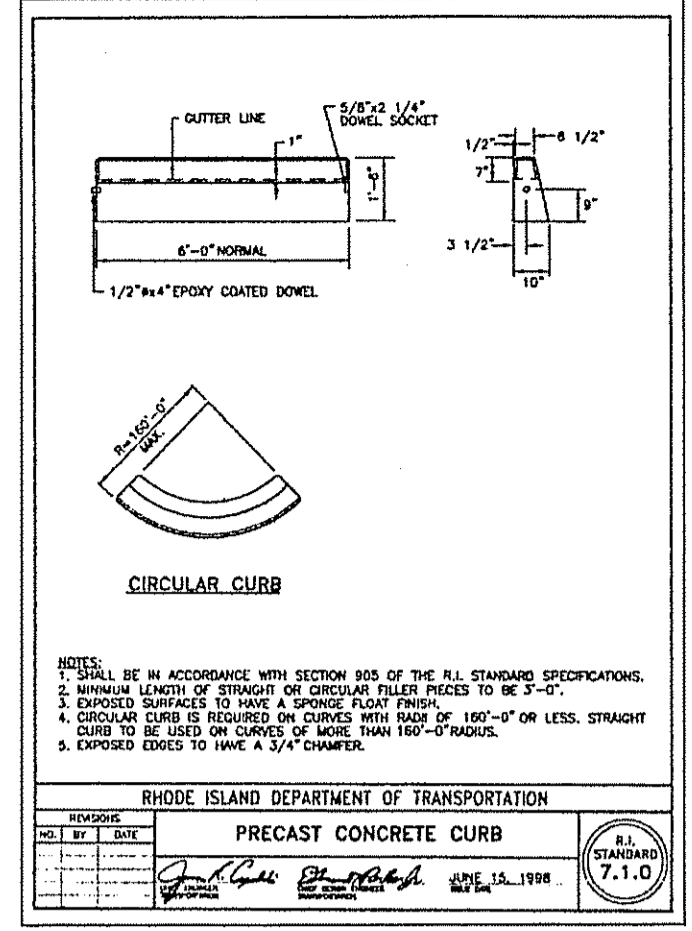
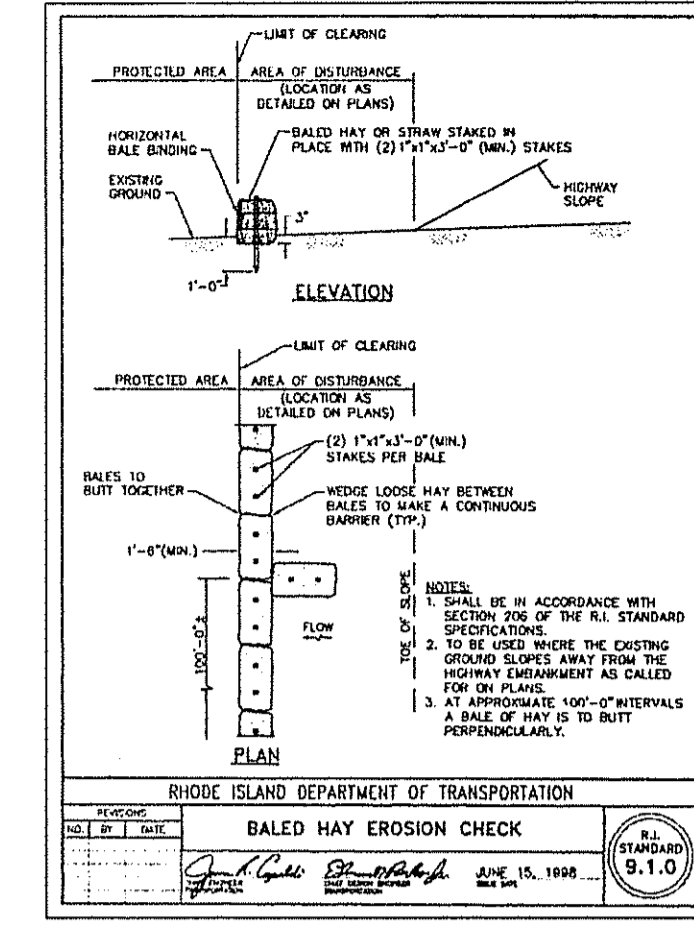
PREPARED FOR
CHURCH COMMUNITY HOUSING CORP.
MAP 3-9 BLOCK 132 CARD 20
MAP 4-8 & 4-9 BLOCK 193 CARD 1A
CORNELL ROAD, PRESIDENTIAL AVENUE, TRUMAN AVENUE
ROOSEVELT AVENUE, KENNEDY DRIVE & BULGARMARSH ROAD
TIVERTON, RHODE ISLAND

SCALE: AS NOTED DATE: NOVEMBER 4, 2008

Civil Engineering Concepts, Inc.
34-A MAIN STREET
LITTLE COMPTON, RI 02857
PH: (401) 592-0177
FAX: (401) 592-0178

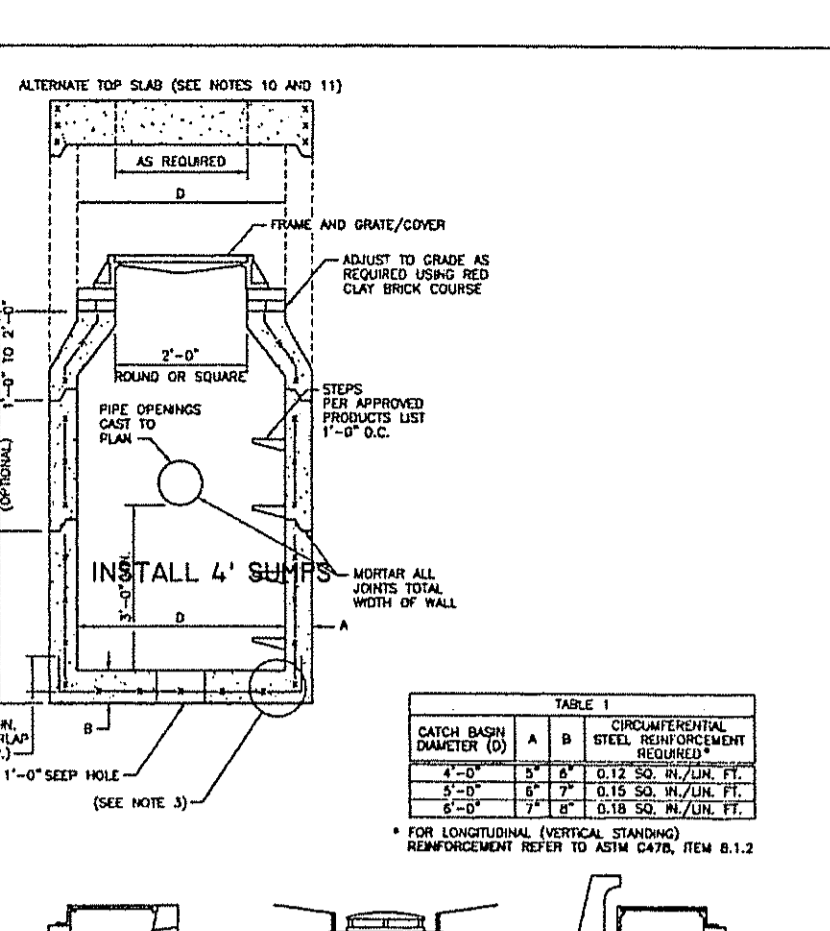
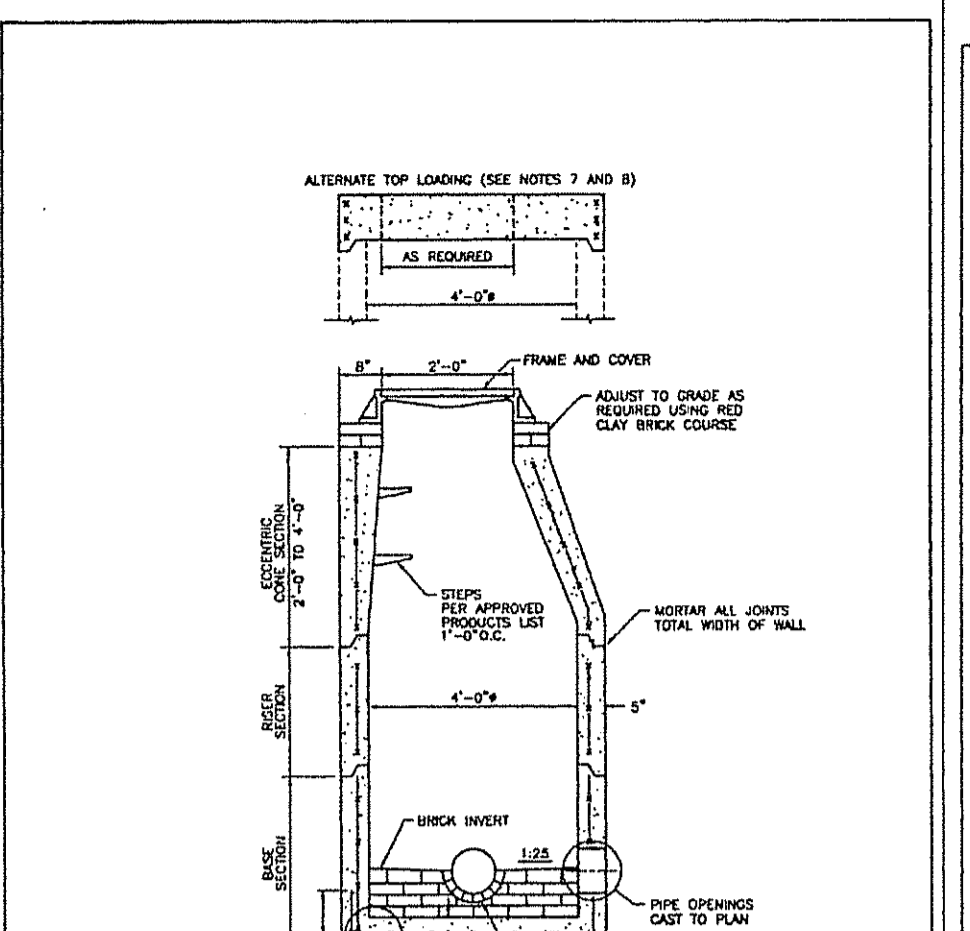
P.O. BOX 5323
NEW BEDFORD, MA. 02742
(508) 990-4900

SHEET 14 OF 17 JOB#: 05-003



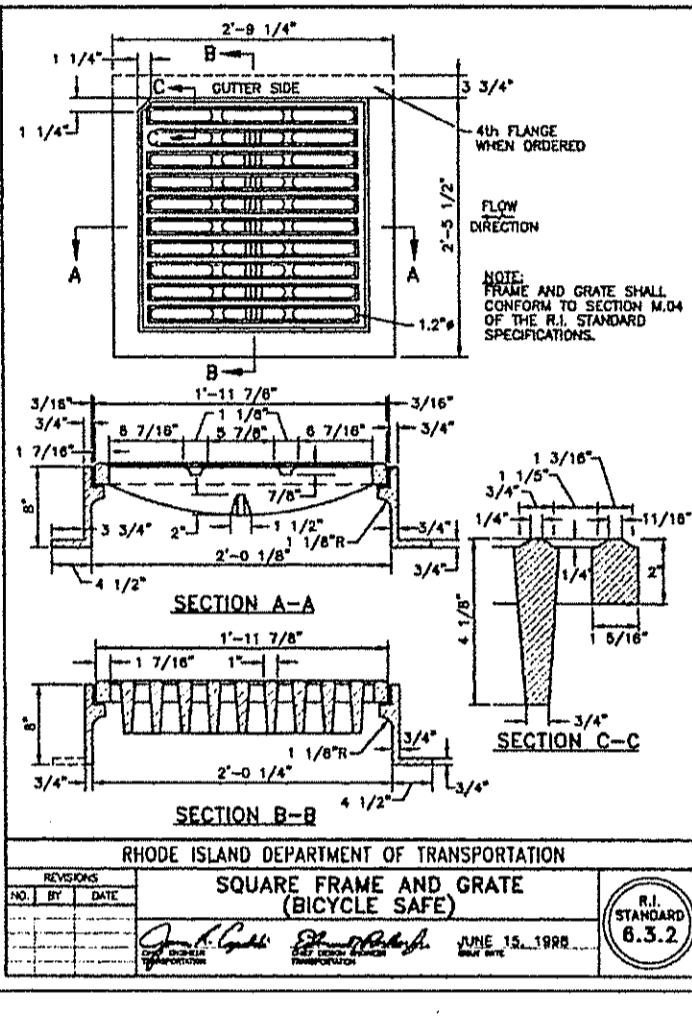
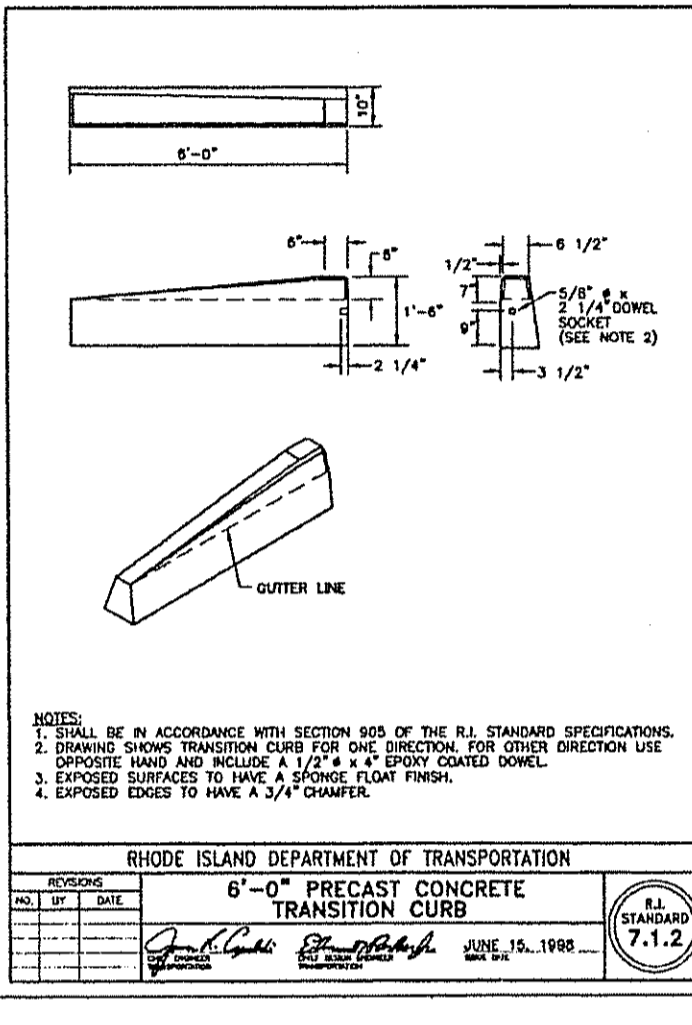
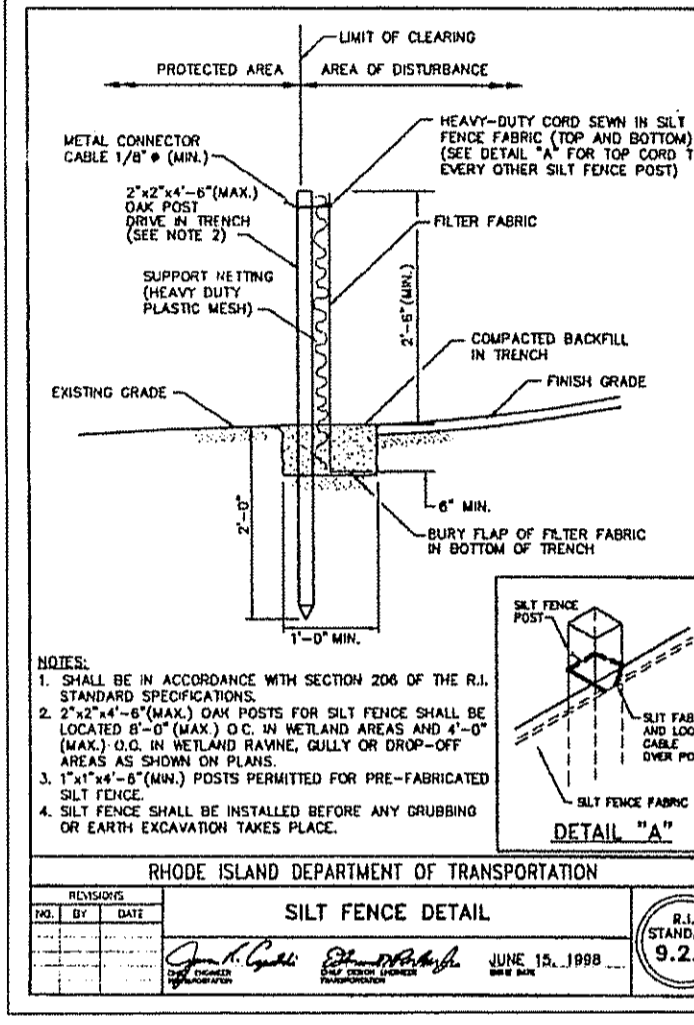
REGULATORY SIGNS
 RHOIDE ISLAND DEPARTMENT OF TRANSPORTATION
 DATE: JUNE 15, 1999
 STANDARD: 4.2.0

NO.	DATE	DESCRIPTION
1	06/15/99	ISSUED



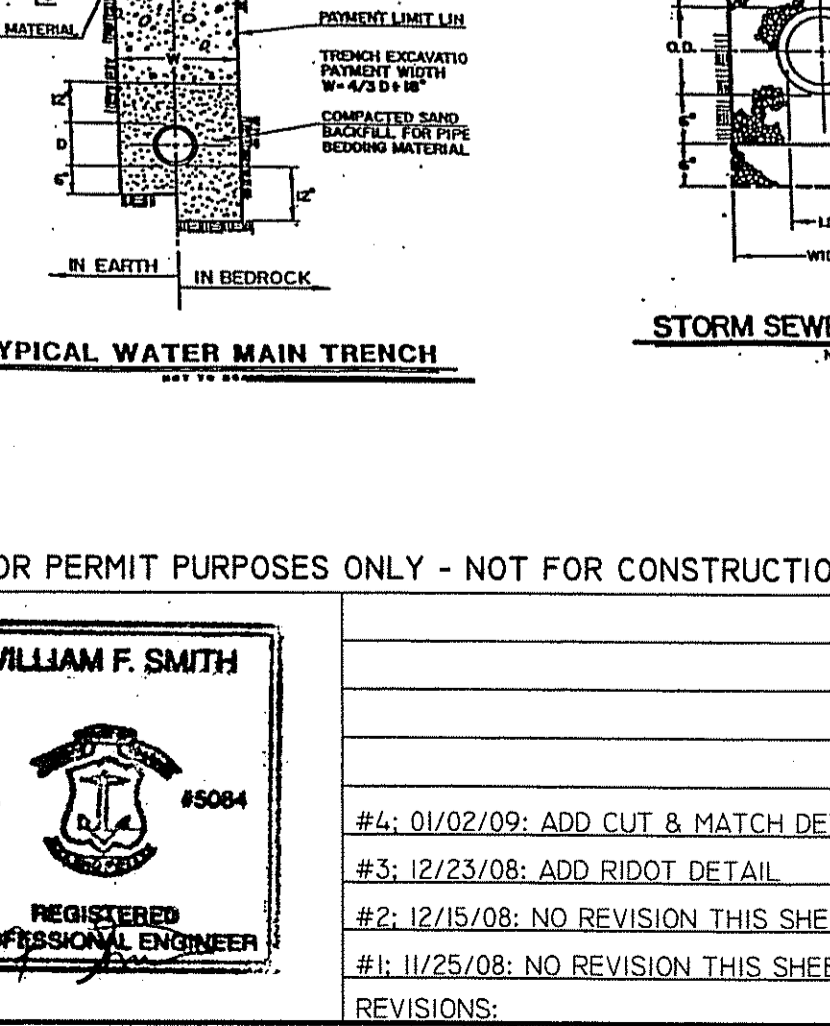
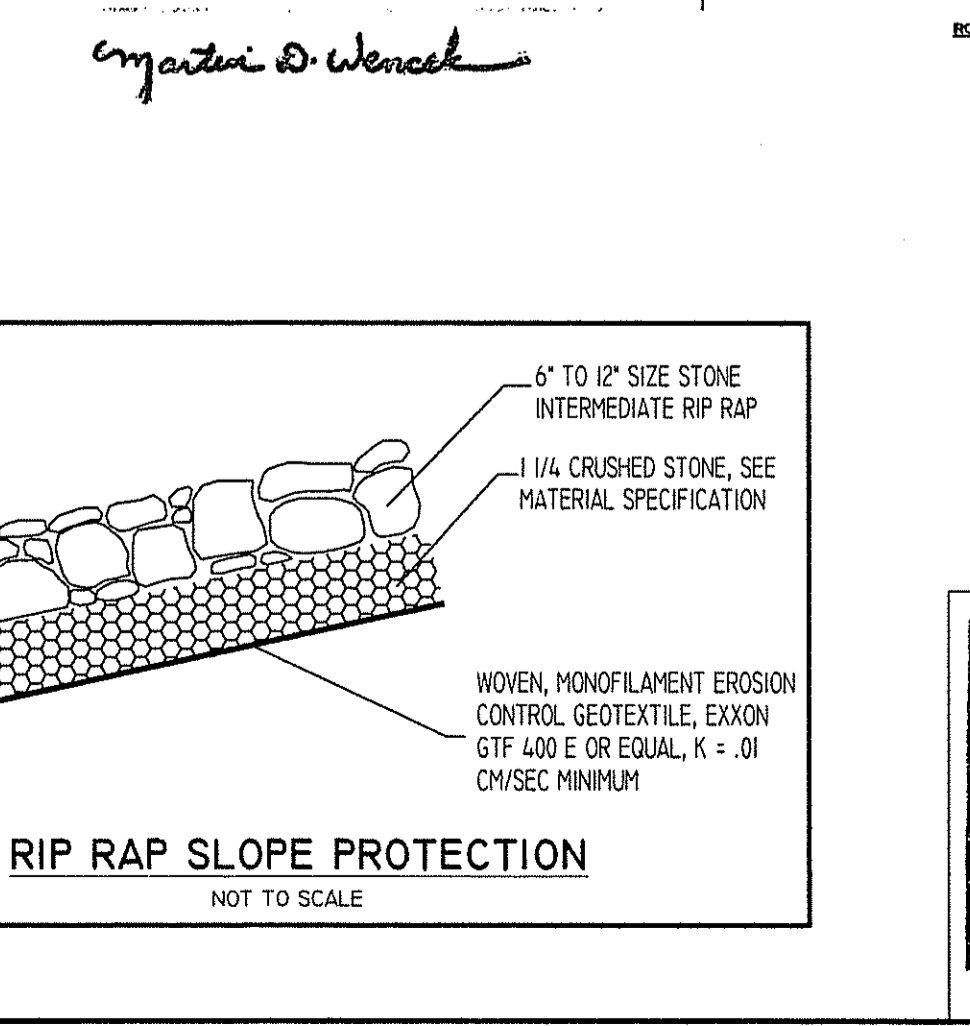
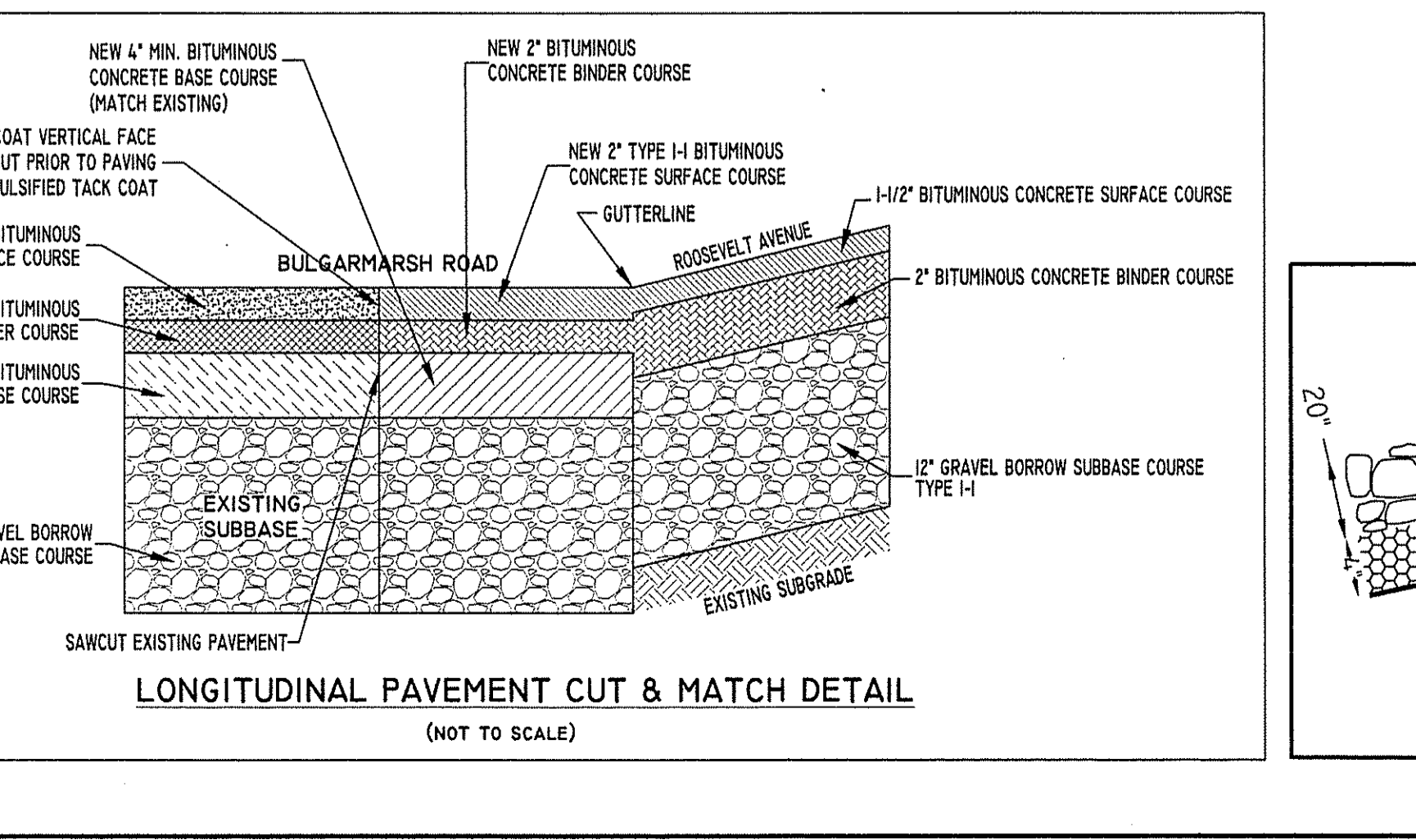
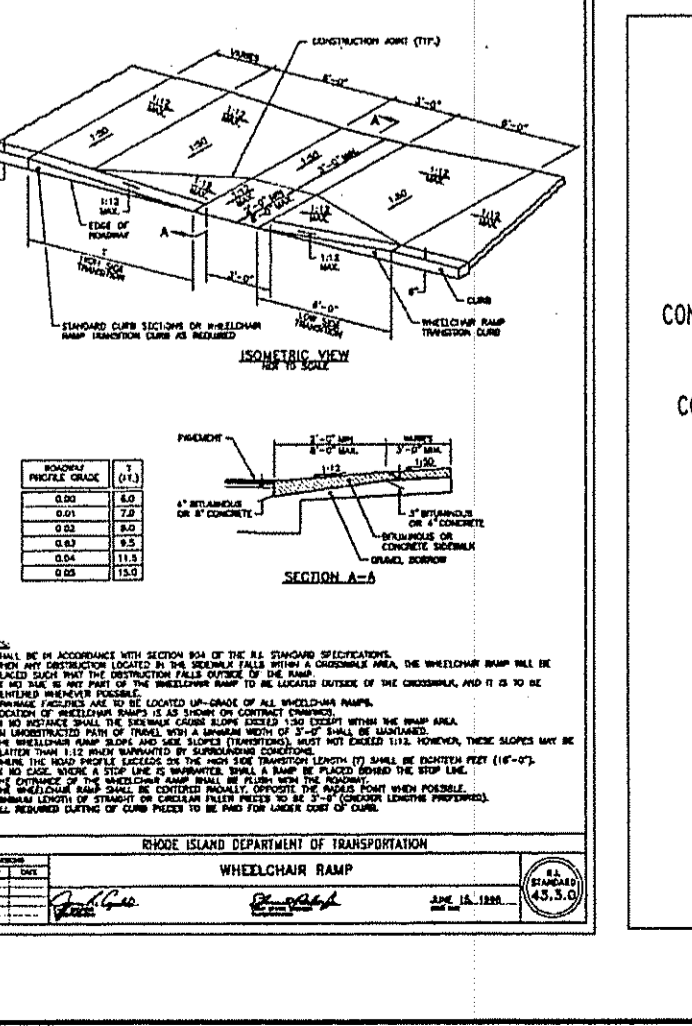
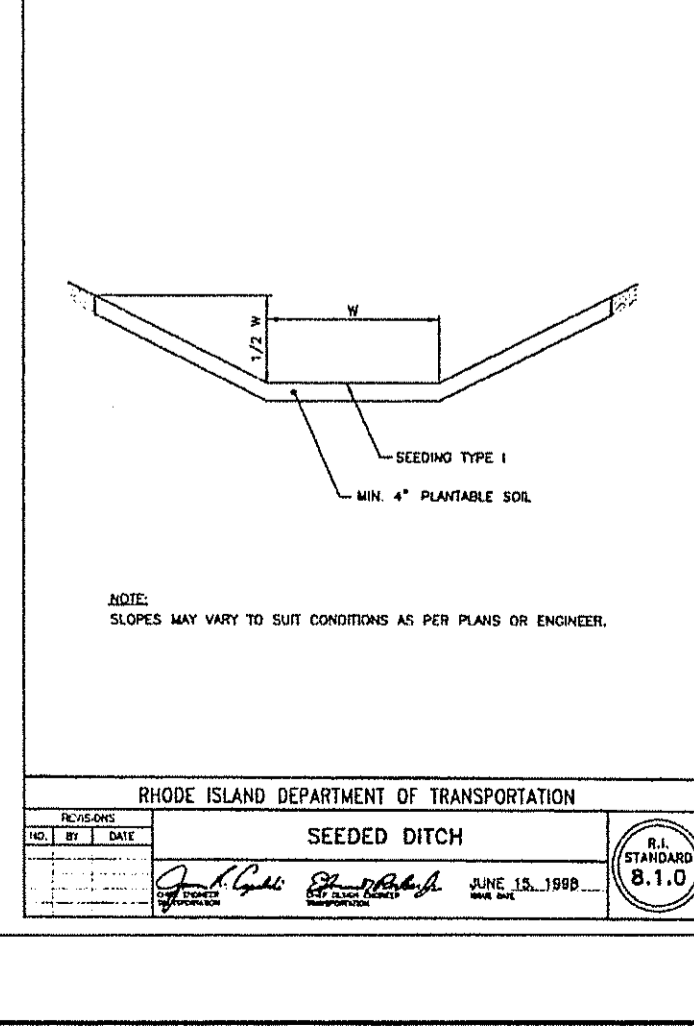
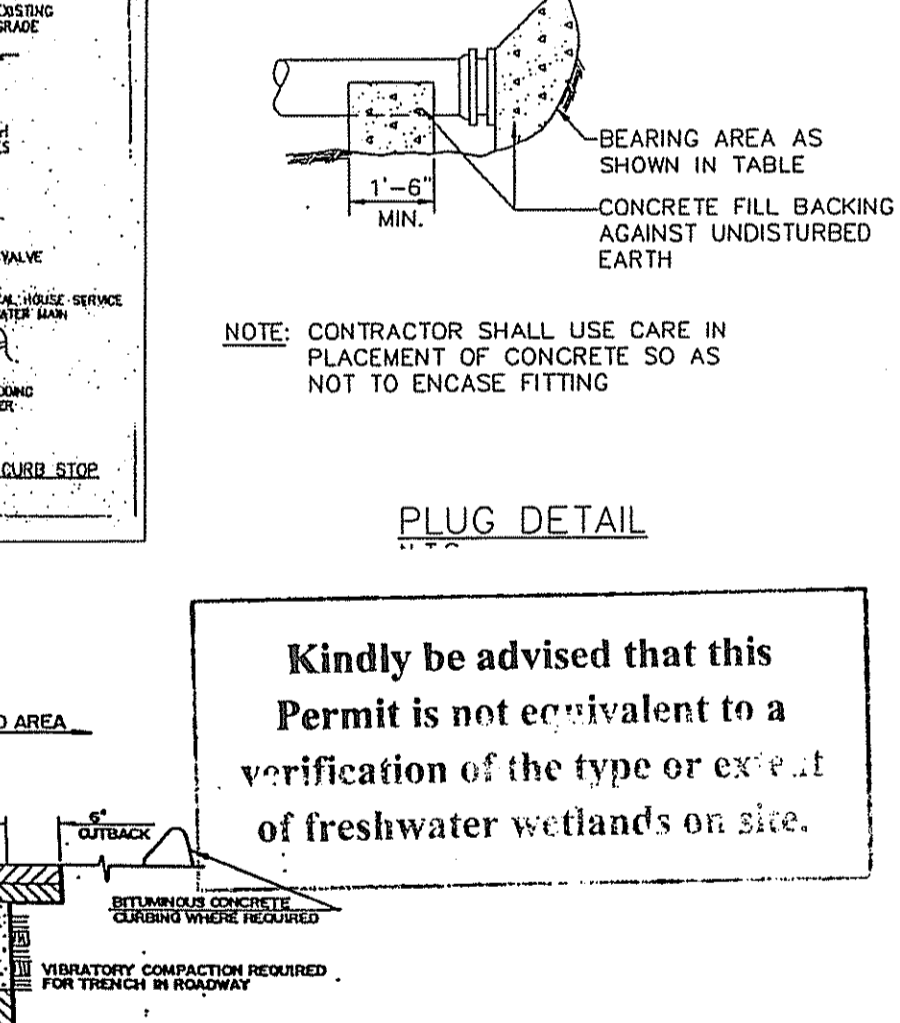
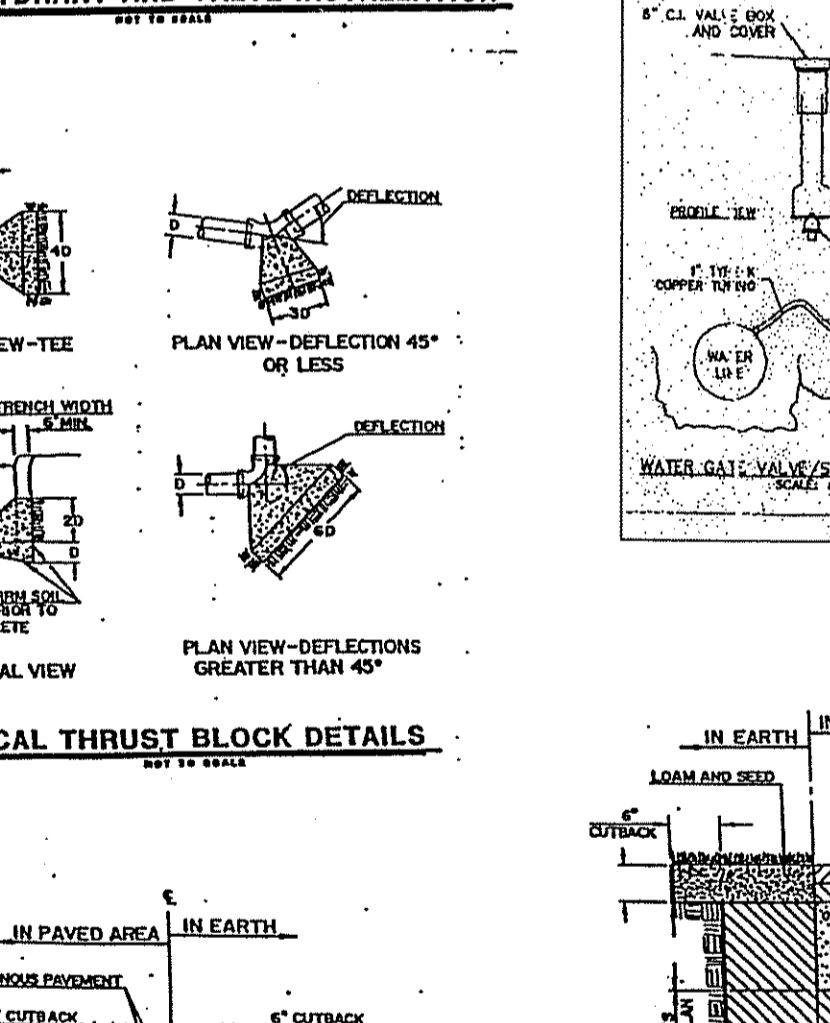
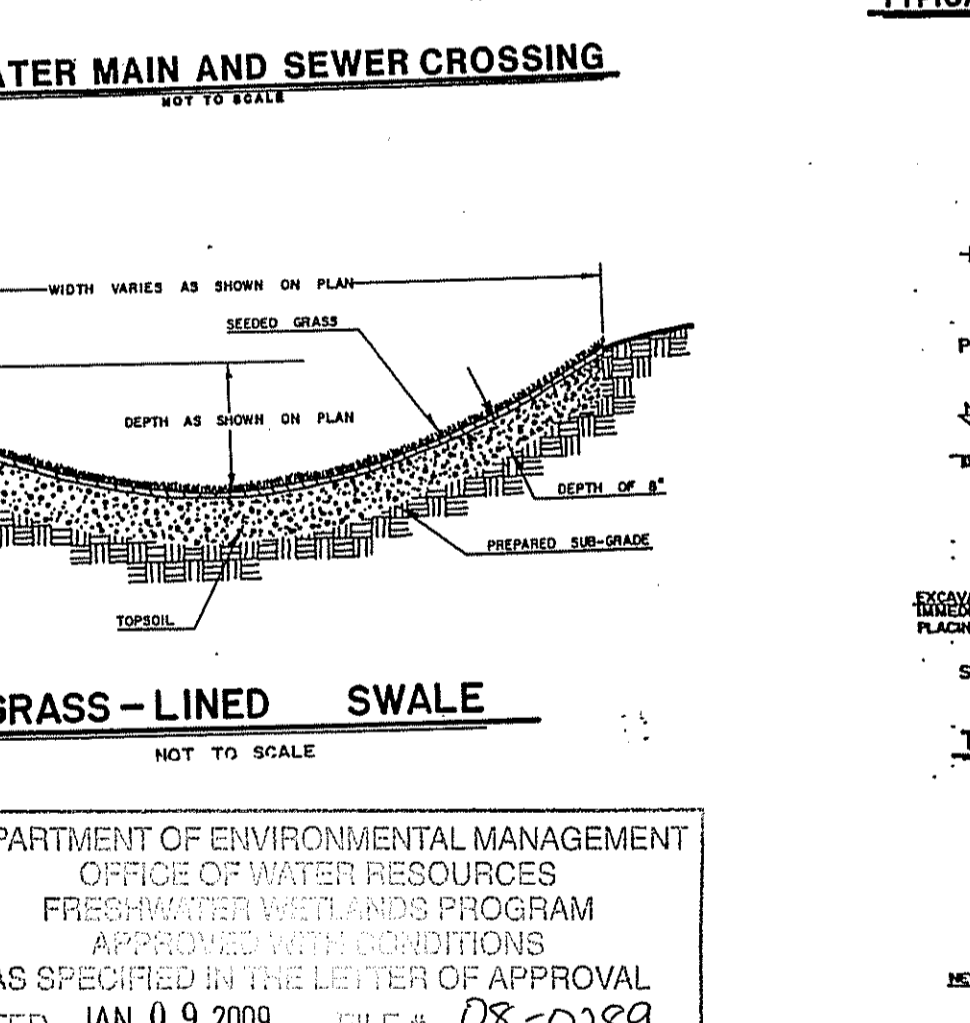
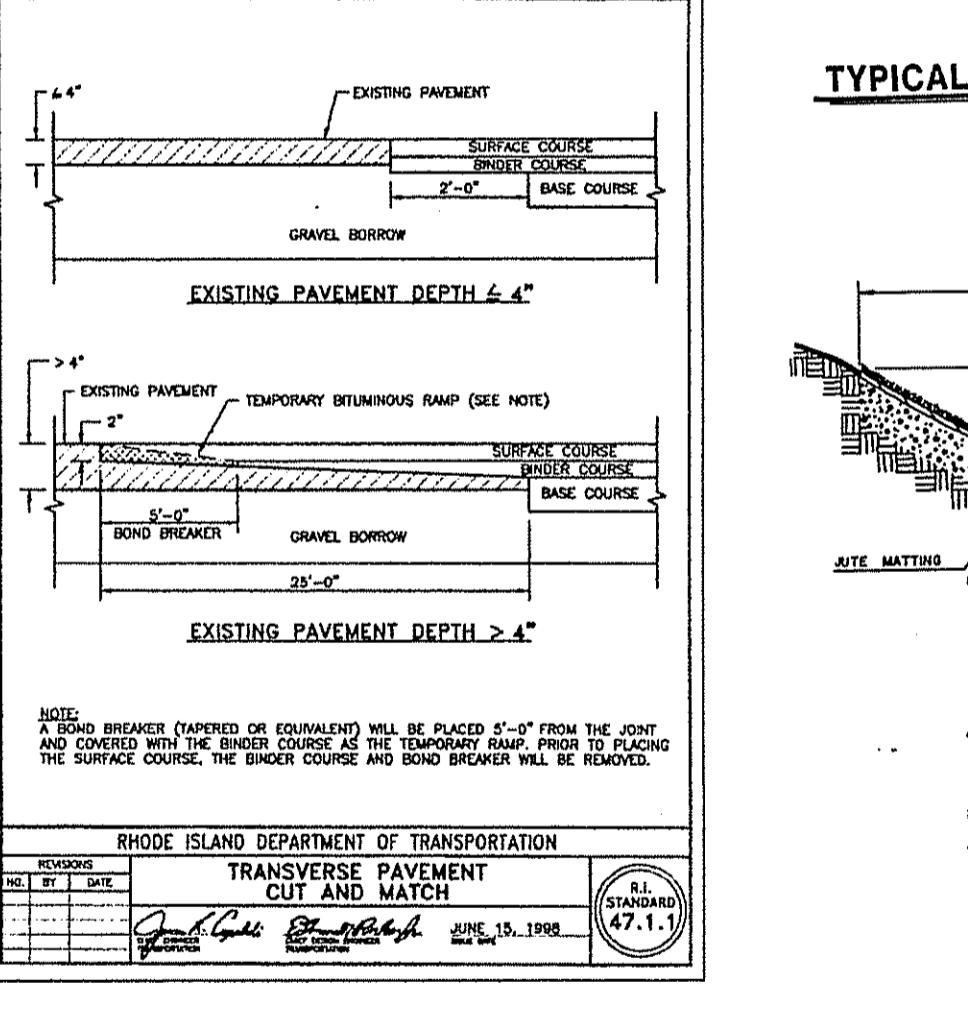
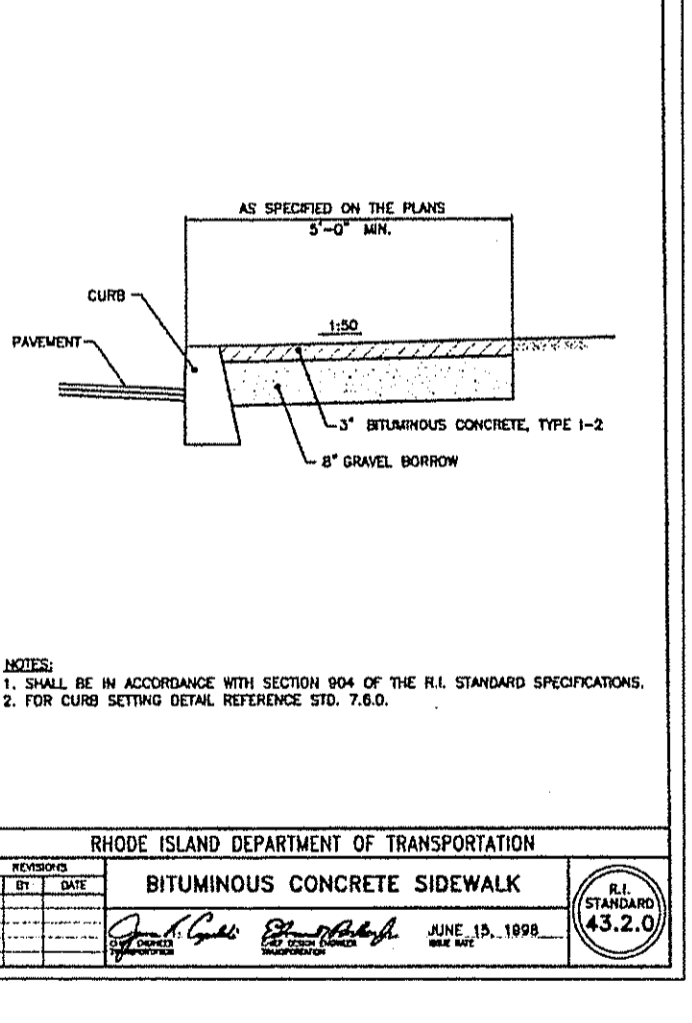
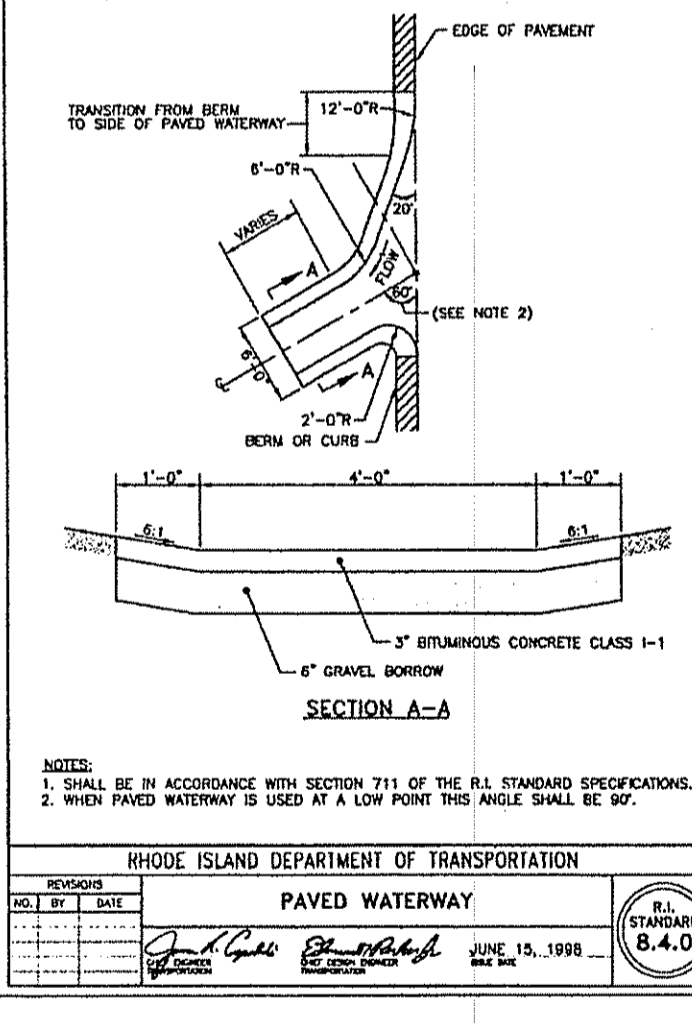
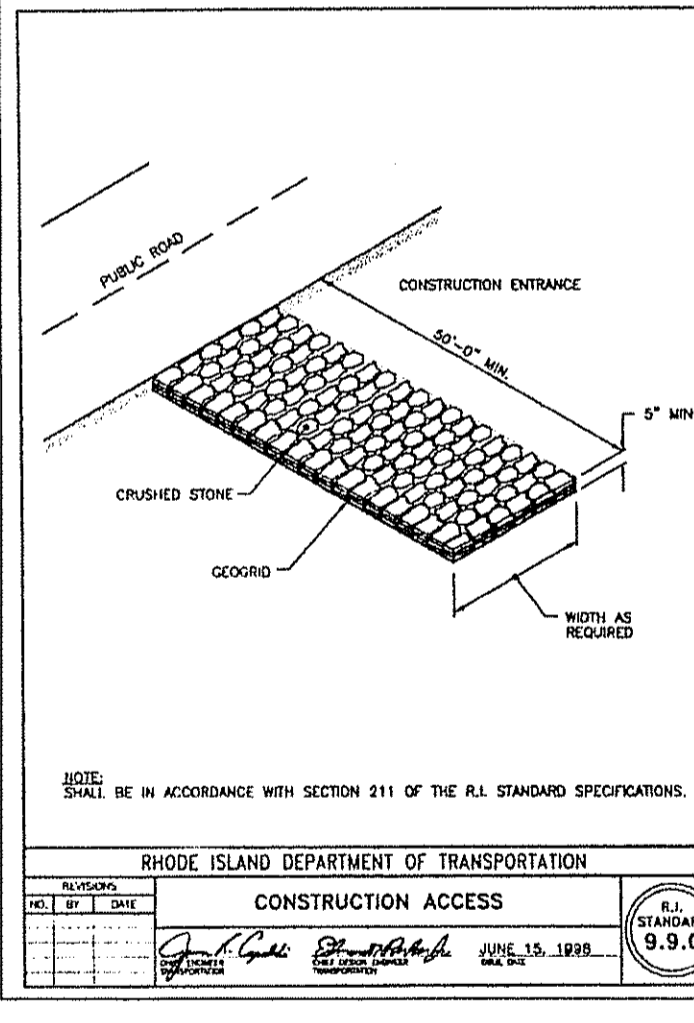
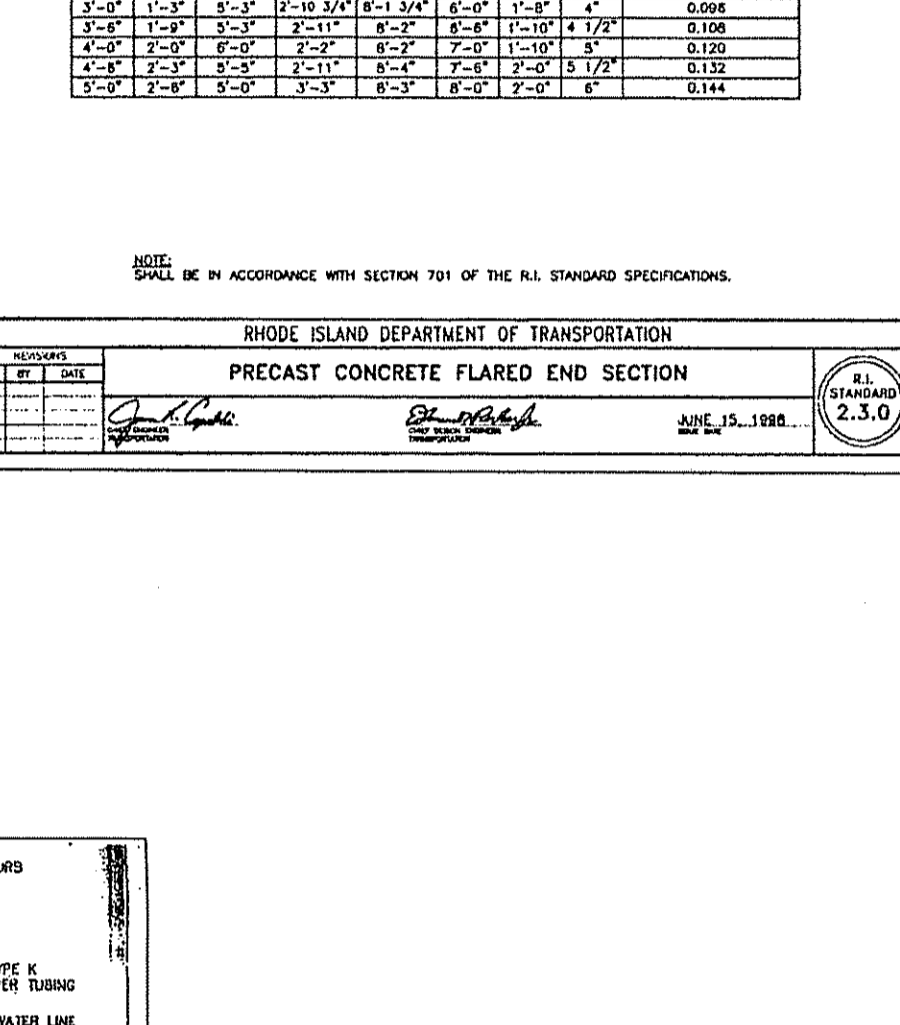
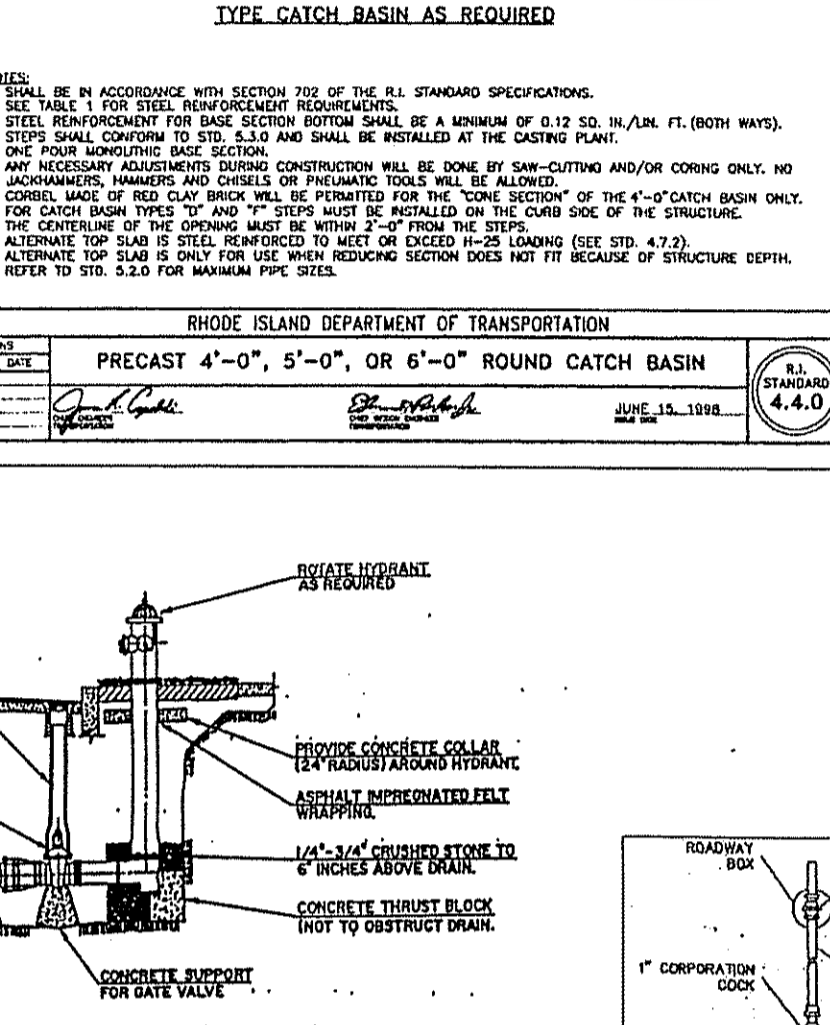
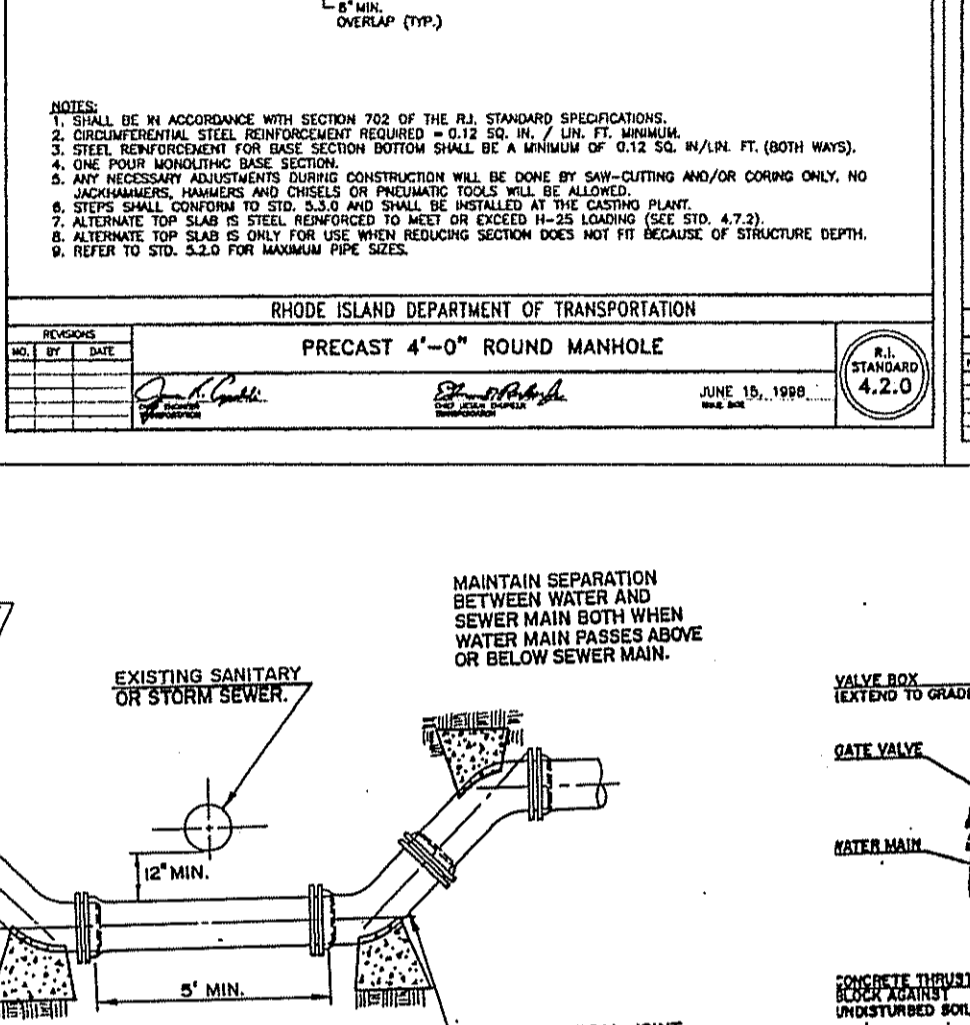
PRECAST CONCRETE FLARED END SECTION
 RHOIDE ISLAND DEPARTMENT OF TRANSPORTATION
 DATE: JUNE 15, 1999
 STANDARD: 2.3.0

DIMENSIONS		REINFORCEMENT
IN.	FT.	NO. & SIZE OF BARS
1'-0"	0'	2 #4 @ 12" O.C.
1'-6"	0'	2 #4 @ 12" O.C.
2'-0"	0'	2 #4 @ 12" O.C.
2'-6"	0'	2 #4 @ 12" O.C.
3'-0"	0'	2 #4 @ 12" O.C.
3'-6"	0'	2 #4 @ 12" O.C.
4'-0"	0'	2 #4 @ 12" O.C.
4'-6"	0'	2 #4 @ 12" O.C.
5'-0"	0'	2 #4 @ 12" O.C.
5'-6"	0'	2 #4 @ 12" O.C.
6'-0"	0'	2 #4 @ 12" O.C.



REGULATORY SIGNS
 RHOIDE ISLAND DEPARTMENT OF TRANSPORTATION
 DATE: JUNE 15, 1999
 STANDARD: 4.2.0

NO.	DATE	DESCRIPTION
1	06/15/99	ISSUED



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

RECEIVED
 JAN 5 2009

COMPREHENSIVE PERMIT FINAL PLAN DETAIL SHEET
 PREPARED FOR
 CHURCH COMMUNITY HOUSING CORP.
 MAP 3-9 BLOCK 132 CARD 20
 MAP 4-8 & 4-9 BLOCK 193 CARD 1A
 CORNELL ROAD, PRESIDENTIAL AVENUE, TRUMAN AVENUE
 ROOSEVELT AVENUE, KENNEDY DRIVE, & BULGARMARSH ROAD
 TIVERTON, RHODE ISLAND

SCALE: AS NOTED DATE: NOVEMBER 4, 2008

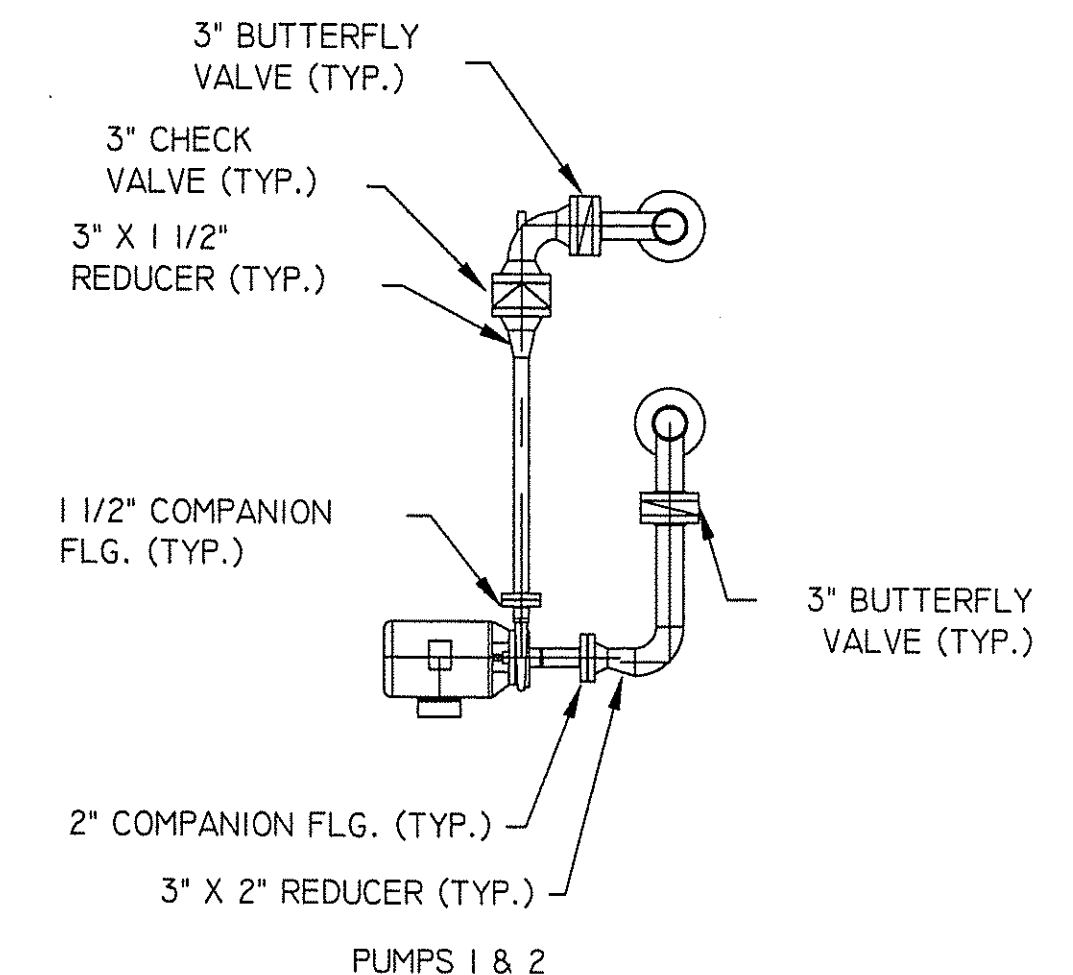
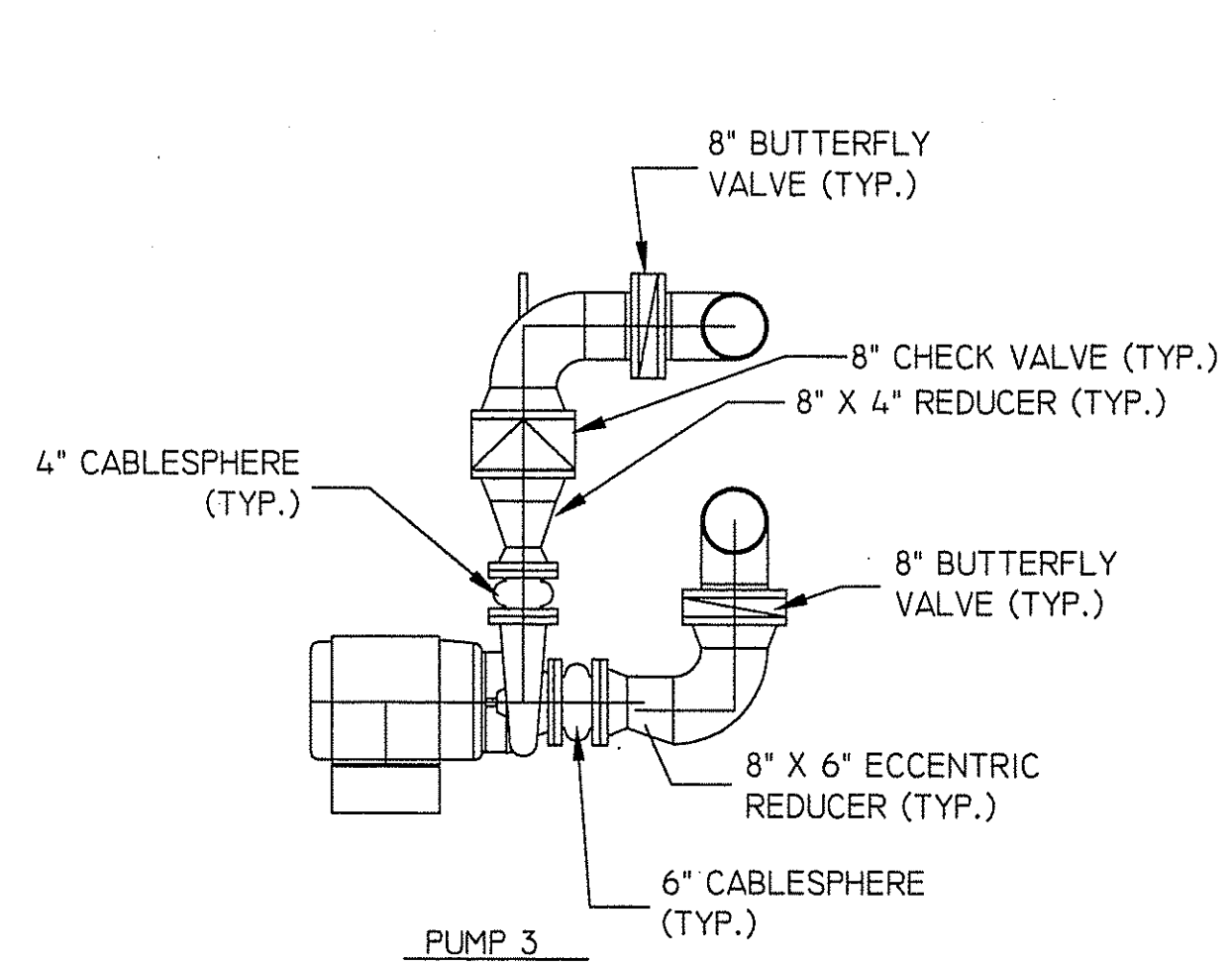
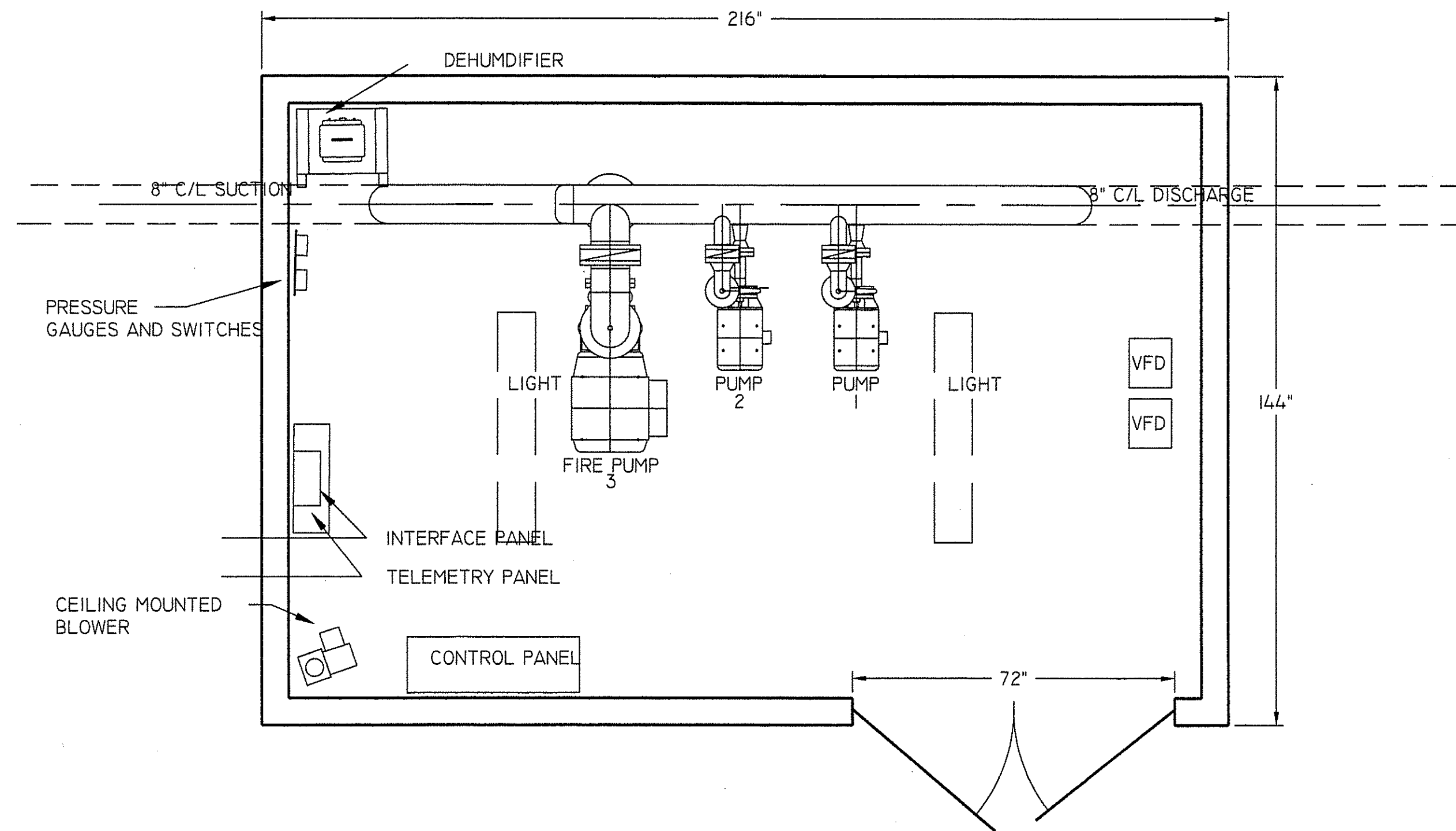
Civil Engineering Concepts, Inc.
 34A MAIN STREET P.O. BOX 5323
 LITTLE COMPTON, RI 02837 NEW BEDFORD, MA 02742
 PH: (401) 592-0177 FAX: (401) 592-0178
 (508) 990-4900

FOR PERMIT PURPOSES ONLY - NOT FOR CONSTRUCTION

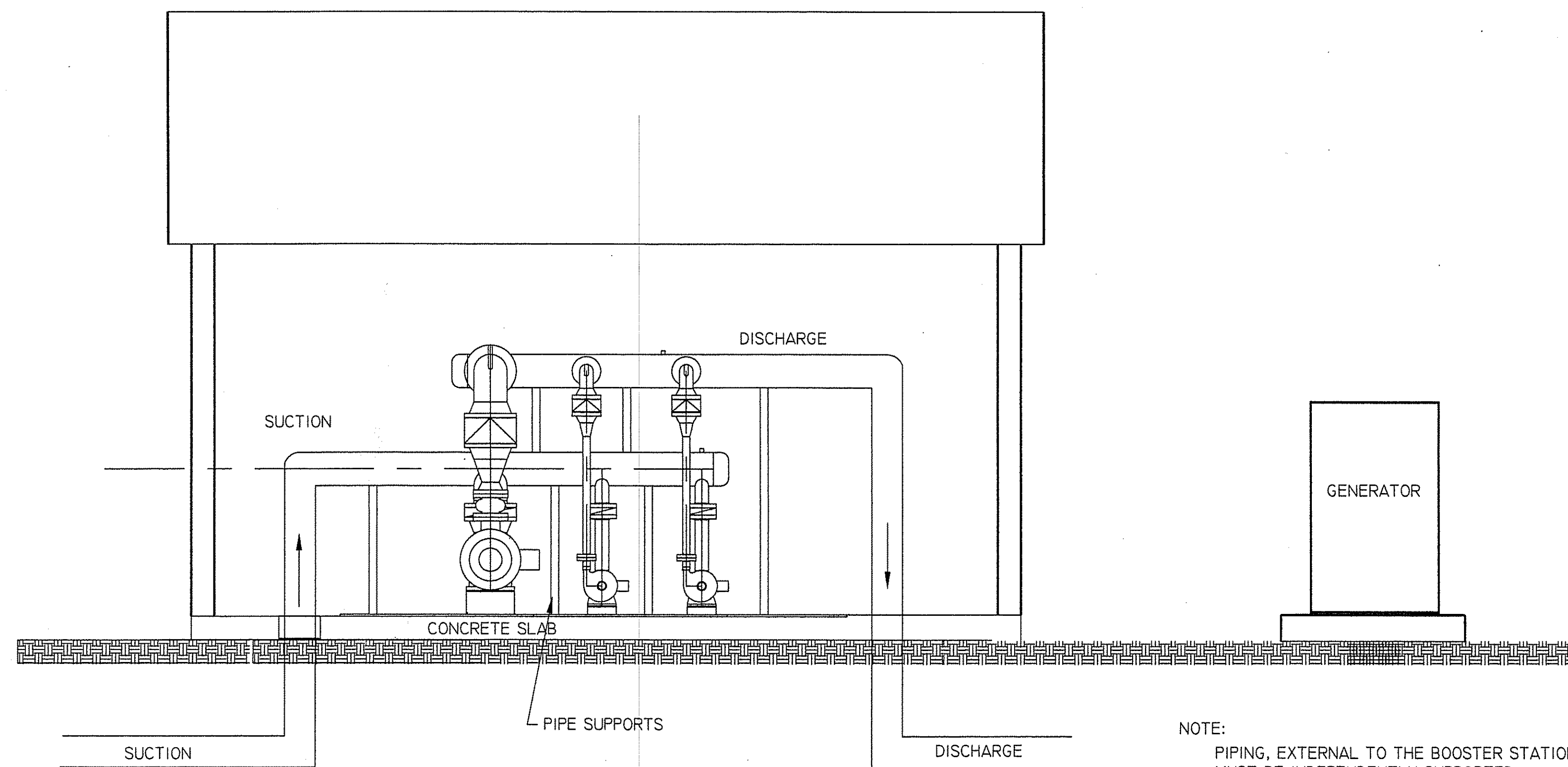
WILLIAM F. SMITH
 No. 45084
 REGISTERED PROFESSIONAL ENGINEER

#4: 01/02/09: ADD CUT & MATCH DETAIL
 #5: 12/23/08: ADD RIPOT DETAIL
 #2: 12/15/08: NO REVISION THIS SHEET
 #1: 11/25/08: NO REVISION THIS SHEET

REVISIONS: SHEET 15 OF 17 JOB#: 05-003



FIRE PUMP SHALL BE RATED AT A MINIMUM 1000 GPM.
 DOMESTIC BOOSTER PUMPS SHALL BE RATED AT 125 GPM EACH
 AN CONTROLLED BY A VARIABLE FREQUENCY DRIVE TO MODERATE DISCHARGE



NOTE:
 PIPING, EXTERNAL TO THE BOOSTER STATION
 MUST BE INDEPENDENTLY SUPPORTED.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JAN 09 2009 FILE # 08-0289
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Matthew D. Wenzel

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

RECEIVED
 JAN 5 2009

WATER BOOSTER PUMP STATION

WATER BOOSTER PUMP STATION DETAILS
 PROVIDED BY RESOURCE CONTROLS, INC.

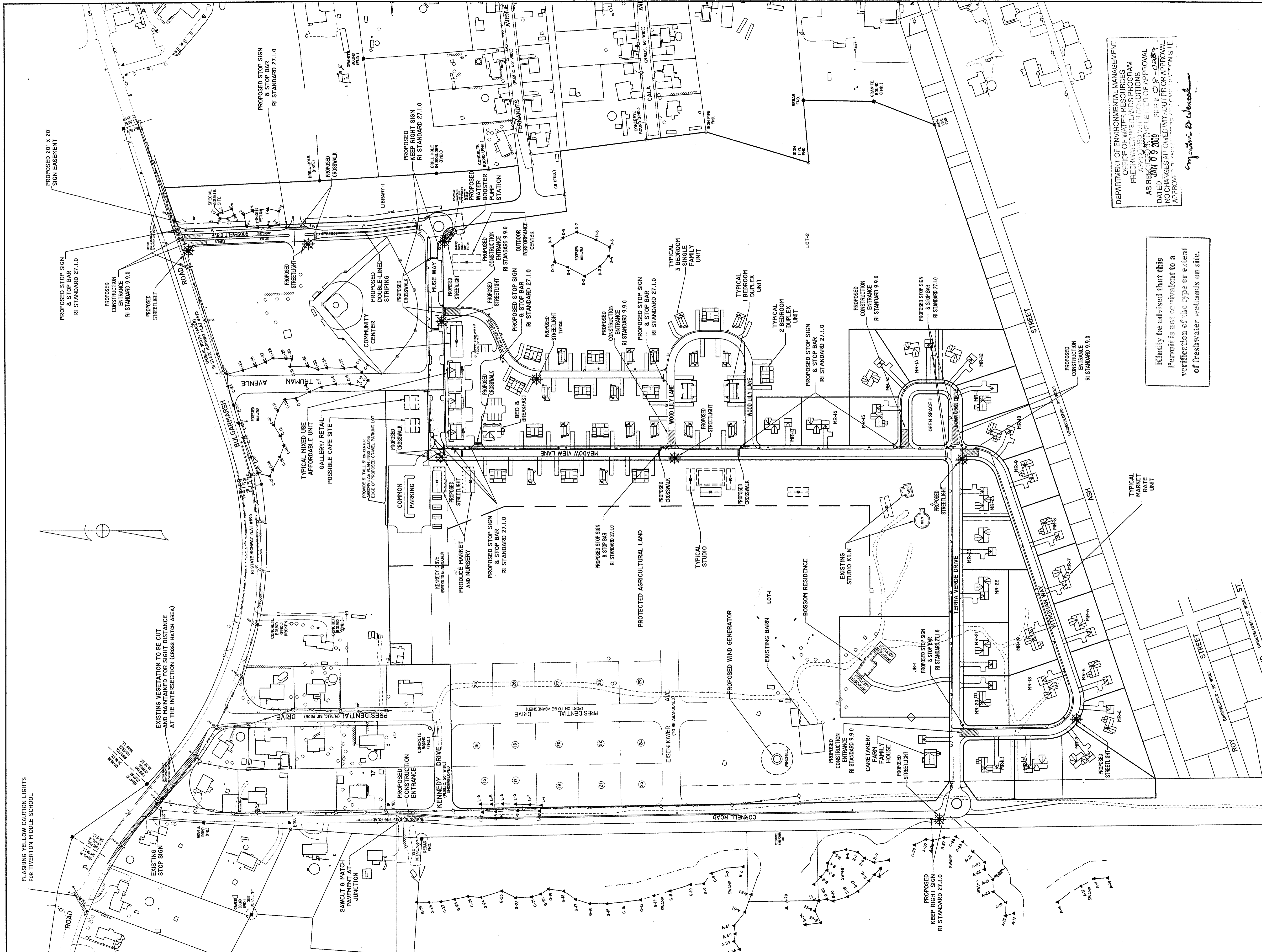
FOR PERMIT PURPOSES ONLY - NOT FOR CONSTRUCTION

WILLIAM F. SMITH
 No. 5504
 REGISTERED PROFESSIONAL ENGINEER

#1: 01/02/09: NO REVISIONS THIS SHEET
 #3: 12/23/08: NO REVISIONS THIS SHEET
 #2: 12/15/08: NO REVISIONS THIS SHEET
 #1: 11/25/08: NO REVISIONS THIS SHEET

COMPREHENSIVE PERMIT FINAL PLAN
 DETAIL SHEET
 PREPARED FOR
 CHURCH COMMUNITY HOUSING CORP.
 MAP 3-9 BLOCK 132 CARD 20
 MAP 4-8 & 4-9 BLOCK 193 CARD 1A
 CORNELL ROAD, PRESIDENTIAL AVENUE, TRUMAN AVENUE
 ROOSEVELT AVENUE, KENNEDY DRIVE, & BULGARMARSH ROAD
 TIVERTON, RHODE ISLAND
 SCALE: AS NOTED DATE: NOVEMBER 4, 2008

Civil Engineering Concepts, Inc.
 34A MAIN STREET P.O. BOX 5323
 LITTLE COMPTON, RI 02837 NEW BEDFORD, MA. 02742
 PH: (401) 592-0177 FAX: (401) 592-0178
 (508) 990-4900



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 AS SHOWN ON THE LETTER OF APPROVAL
 DATED JAN 09 2009 FILE # 08-0389
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED BY: [Signature]

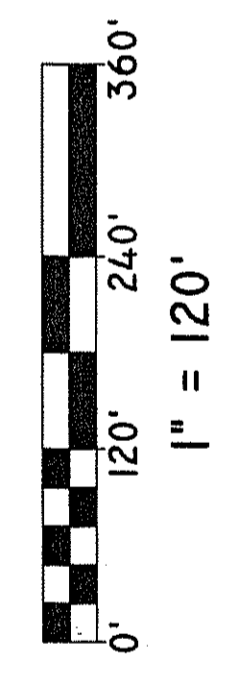
Kindly be advised that this
 Permit is not equivalent to a
 verification of the type or extent
 of freshwater wetlands on site.

COMPREHENSIVE PERMIT FINAL PLAN
 TRAFFIC INFORMATION PLAN
 PREPARED FOR
 CHURCH COMMUNITY HOUSING CORP.
 MAP 99 BLOCK 132 CARD 20
 1000 WEST MAIN AVENUE, SUITE 101
 CORNELL ROAD, PRESIDENTIAL AVENUE
 ROOSEVELT AVENUE, KENNEDY DRIVE & BULGAR MARSH ROAD
 TIVERTON, RHODE ISLAND
 SCALE: 1" = 120'
 DATE: NOVEMBER 4, 2008
Civil Engineering Concepts, Inc.
 3-A MAIN STREET
 P.O. BOX 5323
 LITTLE COMPTON, RI 02837
 PH: (401) 592-0177
 FAX: (401) 592-0178
 SHEET 17 OF 17

FOR PERMIT PURPOSES ONLY - NOT FOR CONSTRUCTION

WILLIAM F. SMITH
 No. [Signature]
 REGISTERED PROFESSIONAL ENGINEER

#5: 01/02/09: NO REVISIONS THIS SHEET
 #4: 12/23/08: NO REVISIONS THIS SHEET
 #3: 12/15/08: NO REVISIONS THIS SHEET
 #2: 12/11/08: PER FIRE CHIEF AND POLICE CHIEF REVIEW
 #1: 11/25/08: NO REVISION THIS SHEET



JAN 5 2009