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Land Surveying
Transmission Engineering
Professional Consulting
Planning
GIS

Registration:

DESIGN DEVELOPMENT SUBMISSION

Project Name and Address:

Concord-Carlisle Regional High School
500 Walden Street, Concord, MA 01742

Issue Submissions:

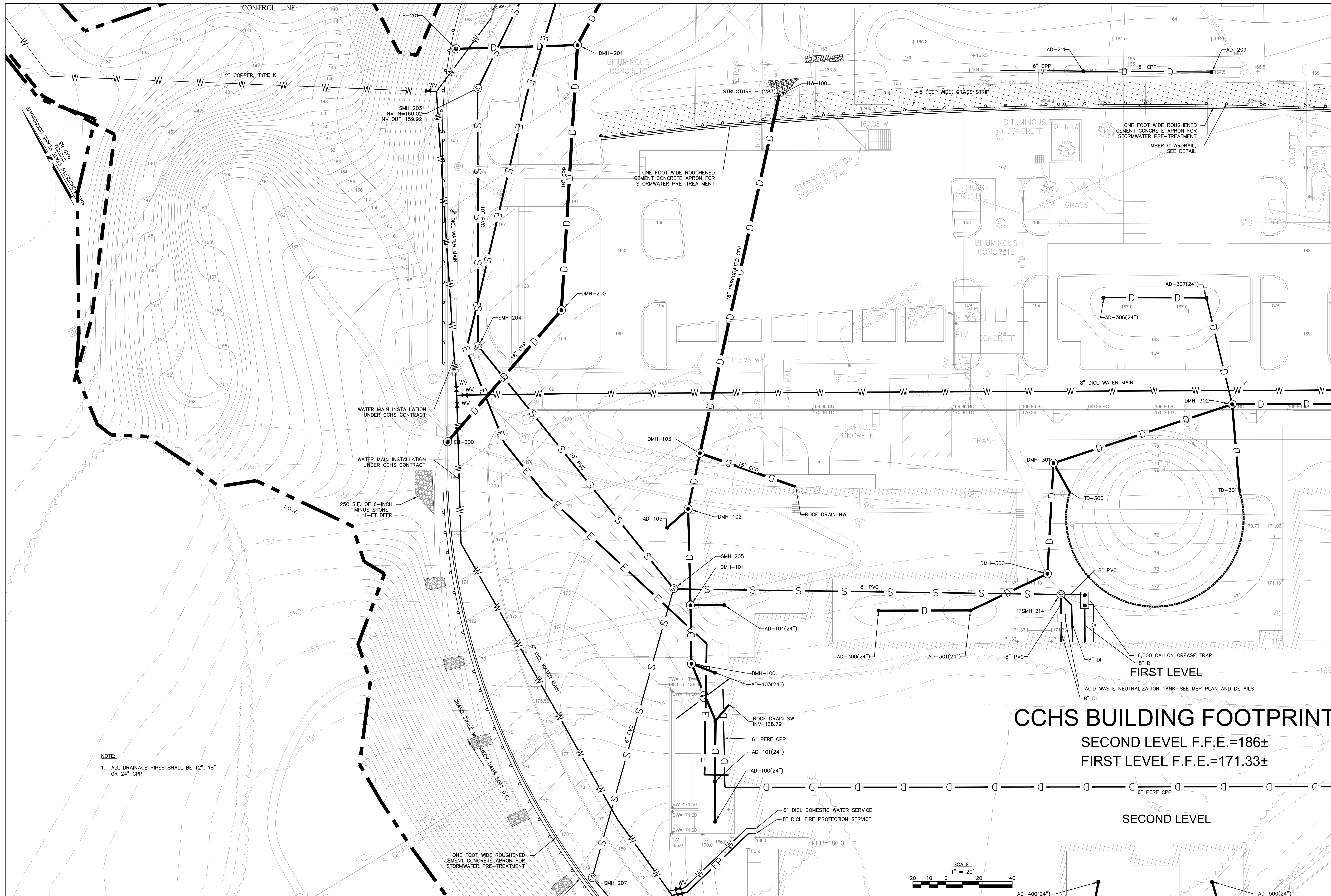
No.:	Date:	Description:

Title:

SITE UTILITY PLAN

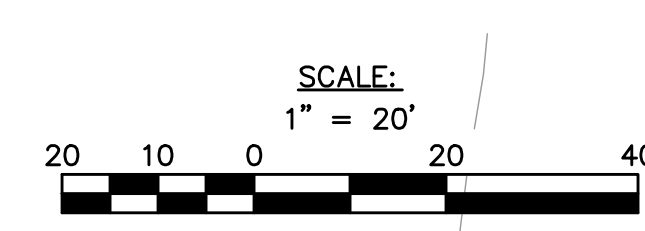
Date: August 15, 2012 Scale: 1"=40' Drawn: SV Checked: Checker

Project No.: 1102.00
Drawing No.: **C-300**
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NOTE:
1. ALL DRAINAGE PIPES SHALL BE 12", 18" OR 24" CPP.

CCHS BUILDING FOOTPRINT
 SECOND LEVEL F.F.E.=186±
 FIRST LEVEL F.F.E.=171.33±
 SECOND LEVEL



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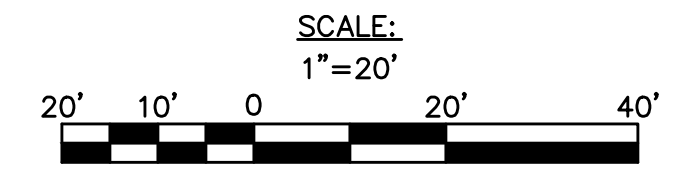
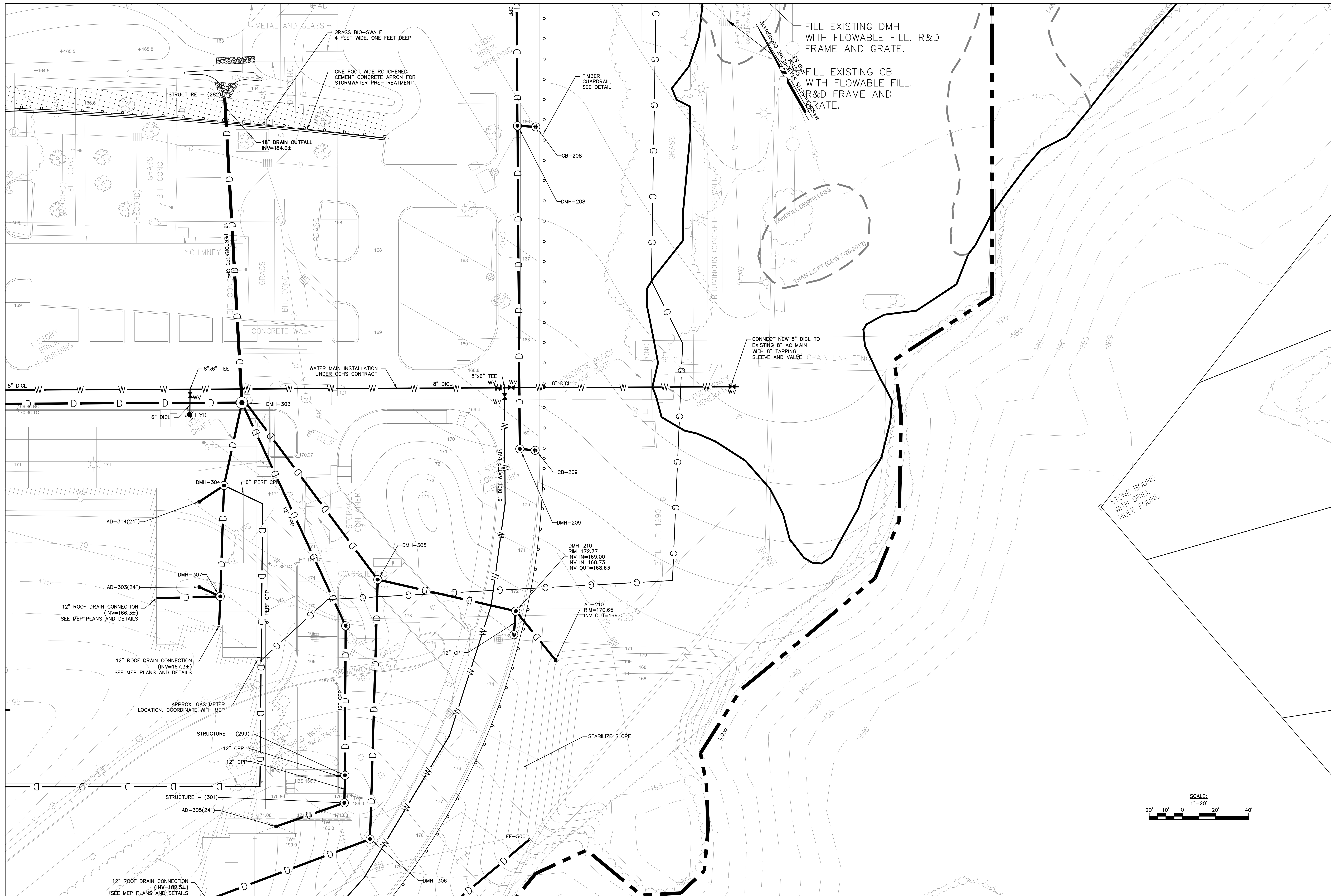
Title:
SITE UTILITY PLAN

Date: August 15, 2012
 Scale: 1" = 20'
 Drawn: SV
 Checked: Checker

Project No.:
 1102.00

Drawing No.:
C-301

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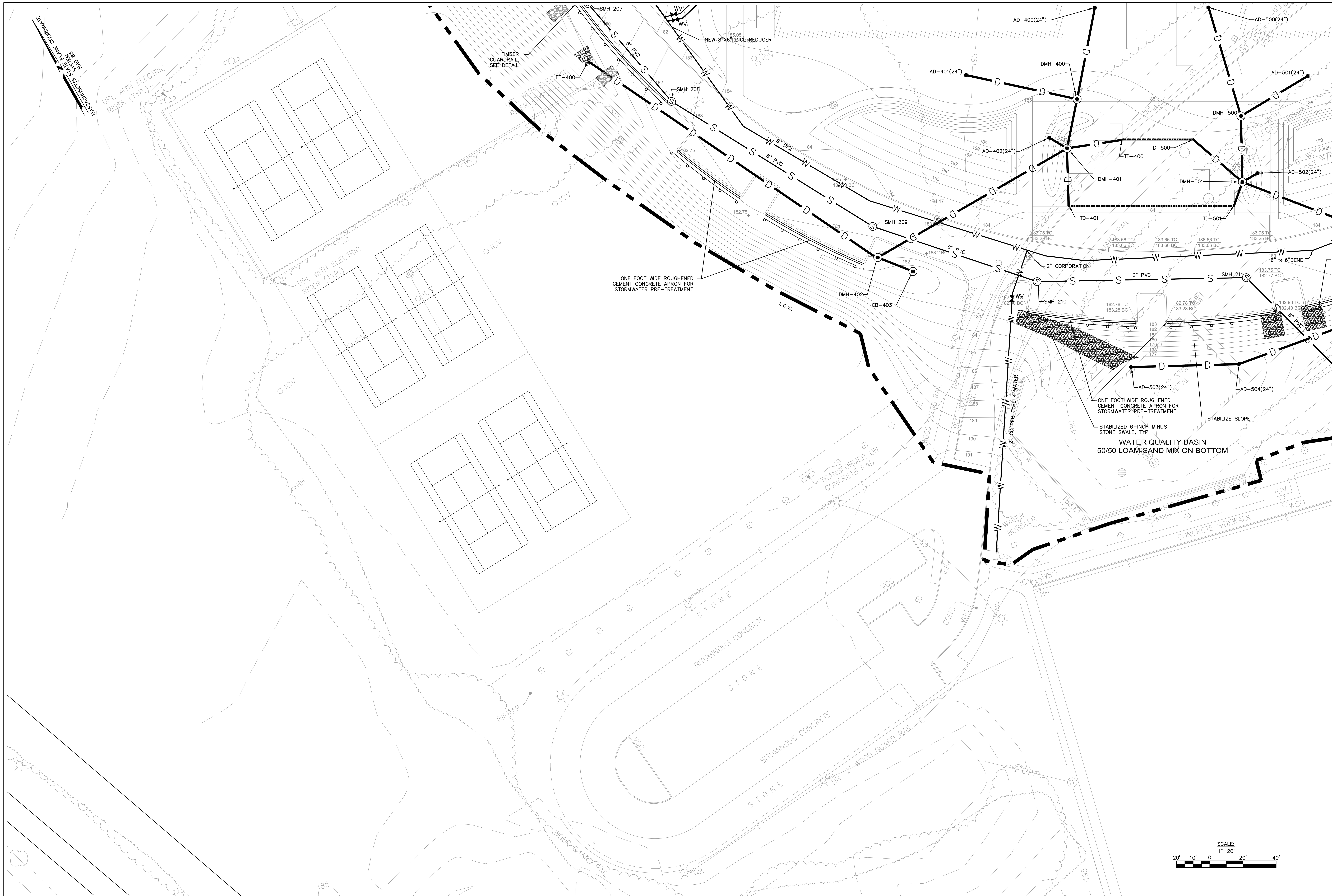
Issue Submissions:

No.	Date	Description

Title:
SITE UTILITY PLAN

Date: August 15, 2012
Scale: 1" = 20'
Drawn: SV
Checked: Checker

Project No.: 1102.00
Drawing No.: **C-302**
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Issue Submissions:

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Title:

SITE UTILITY PLAN

Date: August 15, 2012

Scale: 1" = 20'

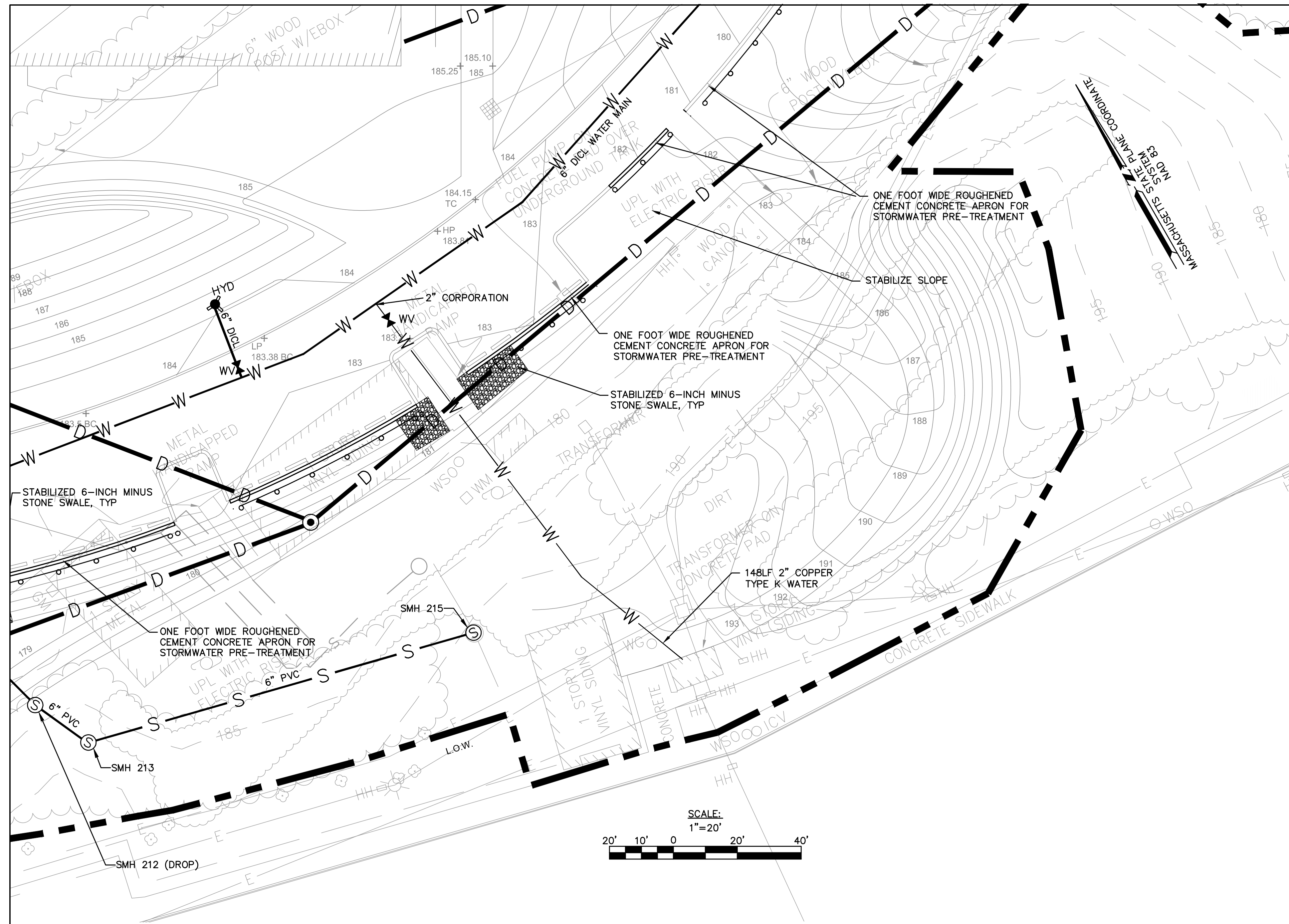
Drawn: SV

Checked: Checker

Project No.: 1102.00

Drawing No.: **C-303**

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SEWER - INVERT TABLE			
STRUCTURE	INV. IN	INV. OUT	RIM
BLDG ACID WASTE	() 164.25		-2.94
BLDG TO GREASE TRAP			-2.97
SMH 200	(SMH 201) 147.10		155.13
SMH 201	(SMH 202) 153.86	153.76	158.40
SMH 202	(SMH 203) 154.65	154.55	159.40
SMH 203	(SMH 204) 160.02	159.92	164.60
SMH 204	(SMH 205) 161.64	161.54	167.99
SMH 205	(SMH 214) 163.58 (SMH 207) 166.43	163.48	171.55
SMH 207	(SMH 208) 168.31	168.21	179.46
SMH 208	(SMH 209) 169.19	169.09	182.53
SMH 209	(SMH 210) 170.72	170.62	183.11
SMH 210	(SMH 211) 171.86	171.76	182.78
SMH 211	(SMH 212 (DROP)) 173.21	173.12	183.02
SMH 212 (DROP)	(SMH 213) 178.59	174.00	181.88
SMH 213	(SMH 215) 178.87	178.77	187.50
SMH 214	(STRUCTURE - (253)) 163.68 (STRUCTURE - (255)) 163.68	161.25 166.75	171.02
SMH 215		180.10	189.73
Structure - (69)			-3.18
Structure - (70)		167.33	-2.94
Structure - (253)		164.00	168.61
Structure - (255)	() 163.78	163.78	168.28

STORM DRAINAGE - INVERT TABLE			
STRUCTURE	INV IN	INV OUT	RIM/SURFACE ELEV.
AD-100		168.97 (AD-101)	171.20
AD-101	168.85 (AD-100)	168.75 (AD-102)	171.00
AD-102	168.55 (AD-101) 168.55 (ROOF DRAIN SW)	168.45 (DMH-100)	171.33
AD-103		168.35 (DMH-100)	171.20
AD-104		167.65 (DMH-101)	170.50
AD-105		166.89 (DMH-102)	169.24
AD-203		155.00 (DMH-203)	165.47
AD-204		158.00 (DMH-204)	164.97
AD-205		163.00 (DMH-205)	165.47
AD-209		162.50 (AD-211)	164.50
AD-210		169.05 (DMH-210)	170.65
AD-211	162.50 (AD-209)	160.40 (Structure - (308))	164.50
AD-300		168.77 (AD-301)	170.50
AD-301	168.21 (AD-300)	168.11 (DMH-300)	170.50
AD-303		168.50 (DMH-307)	170.80
AD-304		168.00 (DMH-304)	169.94
AD-305		169.00 (Structure - (301))	171.00
AD-306		166.83 (AD-307)	167.75
AD-307	166.83 (AD-306)	166.83 (DMH-302)	167.75
AD-400		181.90 (DMH-400)	185.00
AD-401		182.00 (DMH-400)	185.00
AD-402		181.00 (DMH-401)	183.00
AD-500		179.00 (DMH-500)	185.00
AD-501		178.50 (DMH-500)	185.00
AD-502		177.50 (DMH-501)	183.20
AD-503		174.96 (AD-504)	177.00
AD-504	174.86 (AD-503)	174.76 (DMH-502)	177.00
CB-200		165.10 (DMH-200)	168.99
CB-201		160.00 (DMH-201)	164.27
CB-202		155.25 (DMH-202)	158.99
CB-206		160.50 (DMH-206)	164.77
CB-207		160.00 (DMH-206)	164.27
CB-208		163.00 (DMH-208)	167.27
CB-209		165.20 (DMH-209)	169.47
CB-403		180.25 (DMH-402)	184.52
CB 333		146.40 (DMH 142)	148.00
CB 334		146.00 (DMH 142)	150.27
DMH-100	168.05 (AD-102) 168.05 (AD-103)	167.95 (DMH-101)	172.48
DMH-101	167.23 (DMH-100) 167.23 (AD-104)	167.13 (DMH-102)	171.18
DMH-102	166.55 (DMH-101) 166.55 (AD-105)	166.45 (DMH-103)	171.18
DMH-103	166.10 (DMH-102) 166.10 (ROOF DRAIN NW)	166.00 (HW-100)	170.74
DMH-200	164.00 (CB-200)	163.90 (DMH-201)	168.80
DMH-201	159.00 (DMH-200) 159.00 (CB-201)	158.90 (DMH-202)	164.83
DMH-202	154.26 (DMH-201) 154.26 (CB-202)	154.16 (WQU-200)	160.47
DMH-203	153.20 (WQU-200) 152.40 (DMH-204) 152.40 (AD-203)	152.30 ()	162.57
DMH-204	155.38 (DMH-205) 155.38 (AD-204)	155.28 (DMH-203)	164.39
DMH-205	157.81 (WQU-201) 157.81 (AD-205)	157.70 (DMH-204)	166.00
DMH-206	159.71 (CB-207) 159.71 (CB-206)	159.60 (WQU-201)	164.37
DMH-207	161.30 (DMH-208)	161.20 (WQU-201)	164.66
DMH-208	162.95 (DMH-209) 162.90 (CB-208)	162.85 (DMH-207)	166.31
DMH-209	165.00 (CB-209)	164.90 (DMH-208)	169.50
DMH-210	169.00 (STRUCTURE - (309)) 168.73 (AD-210)	168.63 (DMH-305)	172.77
DMH-300	167.60 (AD-301)	167.50 (DMH-301)	171.00
DMH-301	167.17 (DMH-300) 167.17 (STRUCTURE - (259))	167.07 (DMH-302)	170.73
DMH-302	166.50 (DMH-301) 166.50 (AD-307) 166.50 (STRUCTURE - (256))	166.40 (DMH-303)	169.91

STORM DRAINAGE - INVERT TABLE			
STRUCTURE	INV IN	INV OUT	RIM/SURFACE ELEV.
DMH-303	165.40 (DMH-304) 165.40 (DMH-305) 165.40 (DMH-302) 165.40 (STRUCTURE - (302))	165.30 (Structure - (282))	169.90
DMH-304	165.75 (DMH-307) 165.75 (AD-304) 165.83 ()	165.65 (DMH-303)	171.14
DMH-305	168.20 (DMH-306) 168.20 (DMH-210)	168.10 (DMH-303)	171.98
DMH-306	171.42 (ROOF DRAIN SE)	171.32 (DMH-305)	179.63
DMH-307	166.18 () 166.18 () 166.18 (AD-303)	166.08 (DMH-304)	171.05
DMH-400	181.30 (AD-400) 181.30 (AD-401)	181.20 (DMH-401)	185.04
DMH-401	180.90 (STRUCTURE - (262)) 180.90 (STRUCTURE - (266)) 180.90 (AD-402) 180.90 (DMH-400)	180.80 (DMH-402)	184.00
DMH-402	180.14 (DMH-401) 180.14 (CB-403)	180.04 ()	182.99
DMH-500	177.60 (AD-500) 177.60 (AD-501)	177.50 (DMH-501)	184.65
DMH-501	177.10 (DMH 301) 177.10 (AD-502) 177.10 (STRUCTURE - (265)) 177.10 (DMH-500)	177.00 (DMH-502)	183.56
DMH-502	174.00 (DMH-501) 174.00 (AD-504)	173.90 ()	180.60
DMH 141		147.00 (WQU 505)	153.30
DMH 142	145.60 (CB 333) 145.60 (CB 334)	145.50 (WQU 506)	150.20
DMH 301		184.00 (DMH-501)	182.26
FE-400			177.96
FE-500			173.76
HW-100	164.00 (DMH-103)		165.72
ROOF DRAIN NE			167.80
ROOF DRAIN NW		166.71 (DMH-103)	168.43
ROOF DRAIN SE		182.00 (DMH-306)	183.16
ROOF DRAIN SW		168.79 (AD-102)	169.81
Structure - (184) (1)			-2.94
Structure - (220)	144.57 (WQU 505)		145.73
Structure - (221)	144.57 (WQU 506)		145.73
Structure - (240)		144.65 (Structure - (241))	145.81
Structure - (241)	144.55 (STRUCTURE - (240))	144.45 (Structure - (242))	150.32
Structure - (242)	146.40 (STRUCTURE - (241))		148.00
Structure - (256)		170.00 (DMH-302)	0.66
Structure - (259)		170.00 (DMH-301)	168.06
Structure - (262)		184.00 (DMH-401)	181.86
Structure - (265)		183.55 (DMH-501)	181.36
Structure - (266)		183.55 (DMH-401)	181.43
Structure - (282)	164.00 (DMH-303)		165.72
Structure - (283)			165.72
Structure - (299)	166.23 (TD-310) 166.33 (STRUCTURE - (301))	166.23 (Structure - (302))	176.84
Structure - (301)	168.50 (AD-305)	168.40 (Structure - (299))	171.27
Structure - (302)	165.78 (STRUCTURE - (299))	165.68 (DMH-303)	170.01
Structure - (308)	159.90 (AD-211)		161.06
Structure - (309)		169.48 (DMH-210)	173.04
Structure - (311)		165.92 ()	166.49
TD-300			168.06
TD-301			168.80
TD-310		166.33 (Structure - (299))	167.39
TD-400			181.86
TD-401			181.43
TD-500			182.26
TD-501			181.36
WQU-200	153.50 (DMH-202)	153.45 (DMH-203)	162.42
WQU-201	159.00 (DMH-206) 159.00 (DMH-207)	158.90 (DMH-205)	165.21
WQU 505	144.73 (DMH 141)	144.63 (Structure - (220))	152.00
WQU 506	144.70 (DMH 142)	144.65 (Structure - (221))	150.25

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Project No.: 1102.00
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