

WALDO & ASSOCIATES LLC
PROFESSIONAL ENGINEERS AND LAND SURVEYORS
89 STATE STREET
GUILFORD, CT 06437

Telephone (203) 453-4386

Fax (203) 453-2764
rsonnichsen@gmail.com

February 22, 2016

Cori M. Rose, PM/PWS
U.S. Army Corps of Engineers, New England District
696 Virginia Rd,
Concord, MA 01742

Re: Mitigation Plan,
185 Welton Street
Hamden, CT

Dear Cori:

We made a minor change in the plans from those previously submitted with the Mitigation Plan application for this project. These plans, revised to February 18, 2016, are attached. The change was as follows.

On Proposed Conditions, Sheet 4 of 8 and Sheet 5 of 8, the existing splash pad, constructed under the previously approved plan, was show, as well as the proposed splash pad location. Those sheets have been revised to show only the proposed splash pad, as the existing splash pad will be removed / relocated.

Please update our Mitigation Plan accordingly. The second CT OLISP permit is being submitted to Brian Golembiewski and includes these revised plans. Please let us know if you have any additional comments regarding this project.

Very truly yours,

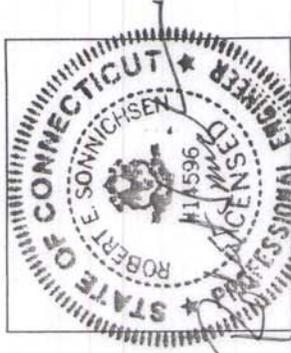


Robert E. Sonnichsen P.E.

PROPOSED FACILITY EXPANSION

Central Auto Auction

185 Welton Street
New Haven County
Hamden, Connecticut



GENERAL NOTES:

1. BASE MAP TAKEN FROM THE FOLLOWING REFERENCE MAPS:

REFERENCE MAPS:

- A. "MAP SHOWING PROPERTY OF MTG, INC" 185 WELTON STREET, HAMDEN, CT, SCALE: 1"=40', DATE: 7-18-03, CERTIFIED A-2 AND T-2 BY GM2 ASSOCIATES, INC.
 - B. "AS-BUILT, IMPROVEMENT LOCATION SURVEY, OF, CENTRAL AUTO EXCHANGE", 185 WELTON STREET, SCALE: 1"=40', DATE: OCT 22, 2005, BY ANTHONY MELLO, JR.
 - C. TOWN OF HAMDEN TOPOGRAPHIC AND ASSESSORS MAP 2131.
 - D. SITE PLAN 185 WELTON STREET HAMDEN, CT DATED: DEC, 1, 2008 BY STEPHEN M. SAVARESE, P.E. L.S. SCALE: 1"=40'
2. THIS PLAN SHOULD ONLY BE USED FOR GENERAL PRESENTATION AND NOT CONSTRUCTION PURPOSES. ALL STRUCTURES, UTILITIES AND ELEVATIONS SHOULD BE FIELD VERIFIED PRIOR TO THE START OF ANY WORK.
 3. ALL ELEVATIONS SHOWN ON THE MAPS WERE FIELD VERIFIED BY WALDO & ASSOCIATES LLC IN 2013.
 4. THE ENGINEERING SEAL AND SIGNATURE IS PROVIDED TO INDICATE GENERAL CONFORMANCE WITH COASTAL ENGINEERING PRACTICE. THE DESIGN DID NOT INCLUDE A DETAILED STRUCTURAL ENGINEERING ANALYSIS.

Drawing List

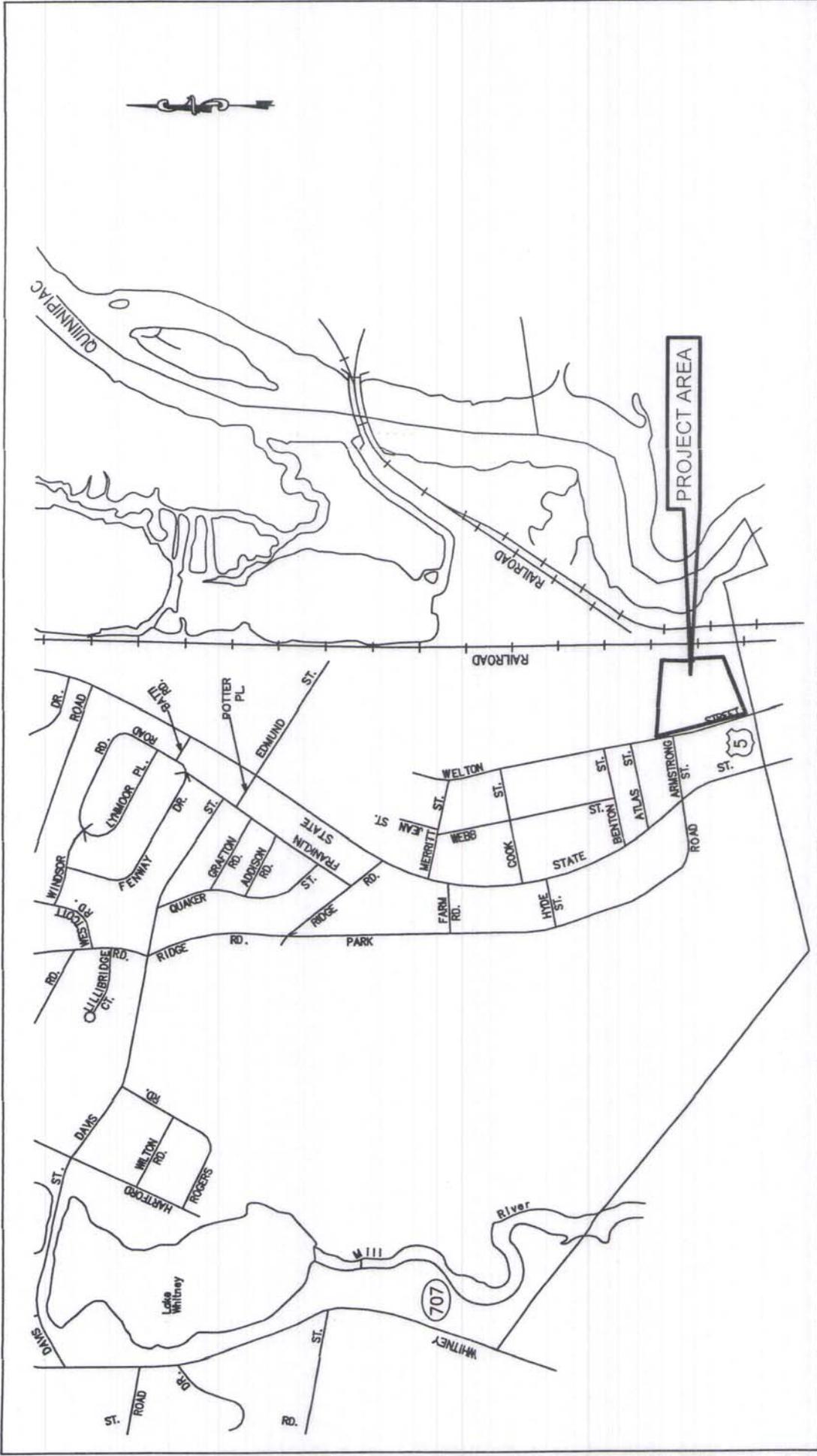
- 1 of 8 - Title Sheet
- 2 of 8 - Site Location Map
- 3 of 8 - Assessor's Map
- 4 of 8 - Existing Conditions
- 5 of 8 - Proposed Improvements
- 6 of 8 - Proposed Improvements
- 7 of 8 - Section A-A
- 8 of 8 - Details

Engineer's Surveyor:
Robert Sonnichsen P.E.

Date: Sept. 3, 2015

Revised: Feb. 18, 2016

Sheet 1 of 8



SITE LOCATION MAP

Central Auto Auction

185 Welton Street

New Haven County

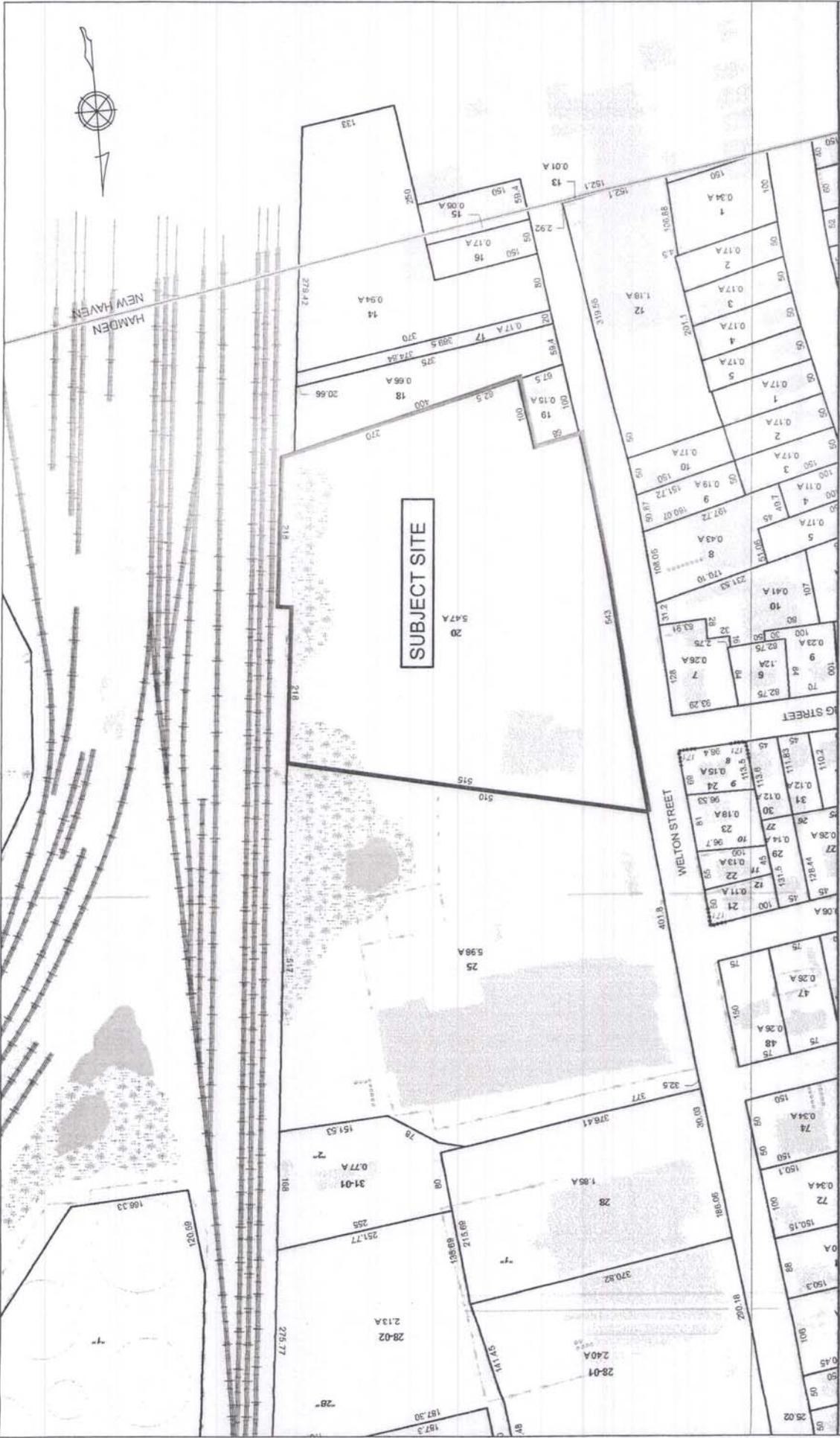
Hamden Connecticut

Date: Sept. 3, 2015

Revised: Feb. 18, 2016

Scale: 1" = 1000'



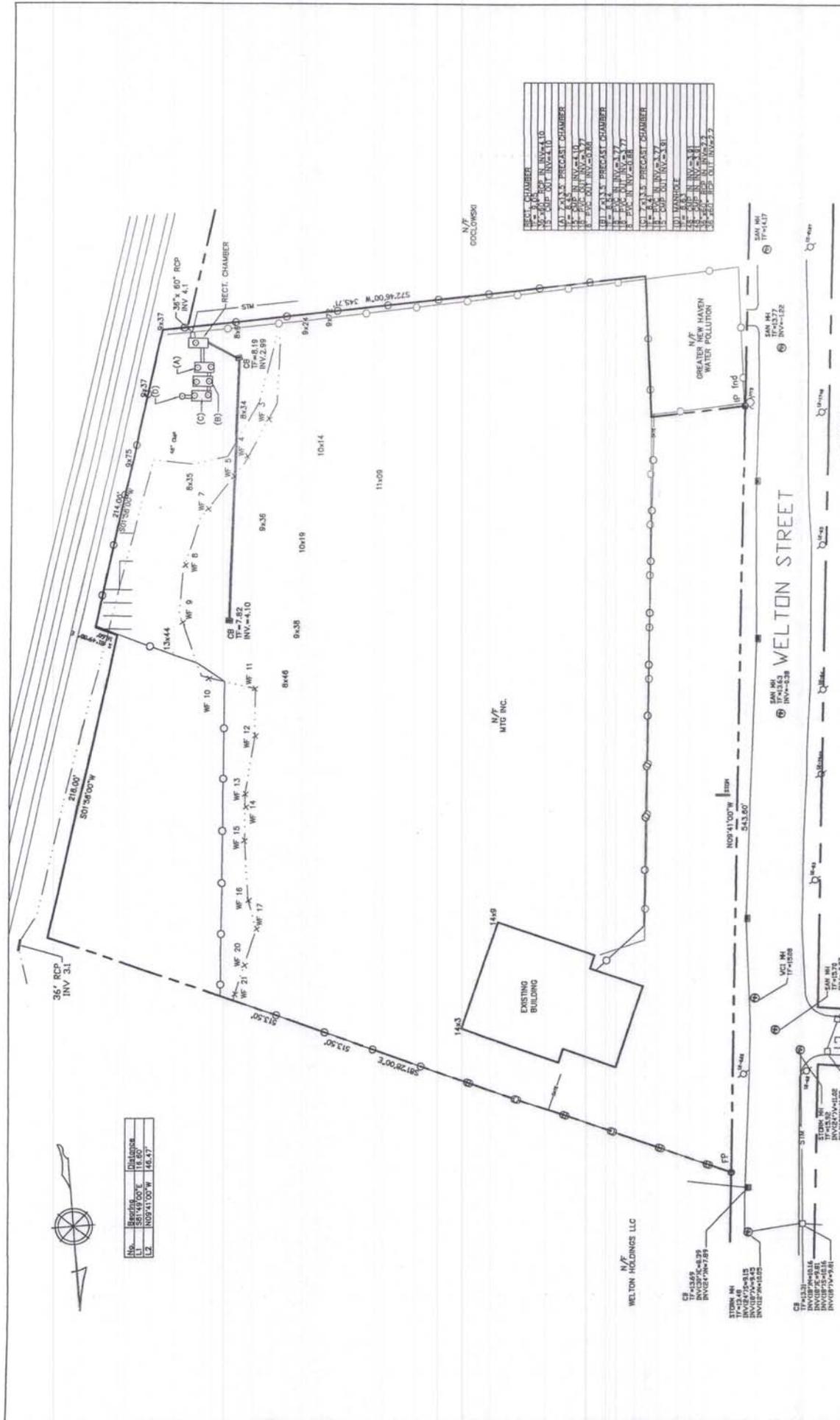


Central Auto Auction
 185 Welton Street
 New Haven County
 Hamden, Connecticut



Project Applicant
 Drawn By: WJK
 Checked By: R.S.
 Date: Sept. 3, 2015
 Revised: Feb. 18, 2016
 DATUM NGVD 1929
 C.J.L. = 5.5
 MHW = 3.7
 MLW = -2.6

Scale: 1"=200'
 PLAN VIEW
 Sheet 3 of 8



Drawn By: WJK Checked By: R.S. Date: Sept. 3, 2015 Revised: Feb. 18, 2016 DATUM NGVD 1929 C-JL = 5.5 MHW = 3.7 MLW = -2.6			Central Auto Auction 185 Welton Street New Haven County Hamden, Connecticut	PROPOSED FACILITY EXPANSION	PLAN VIEW Sheet: 4 of 8
PROJECT INFORMATION Applicant: _____ Project: _____			EXISTING CONDITIONS		

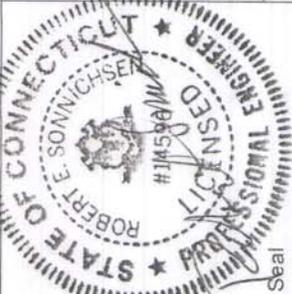
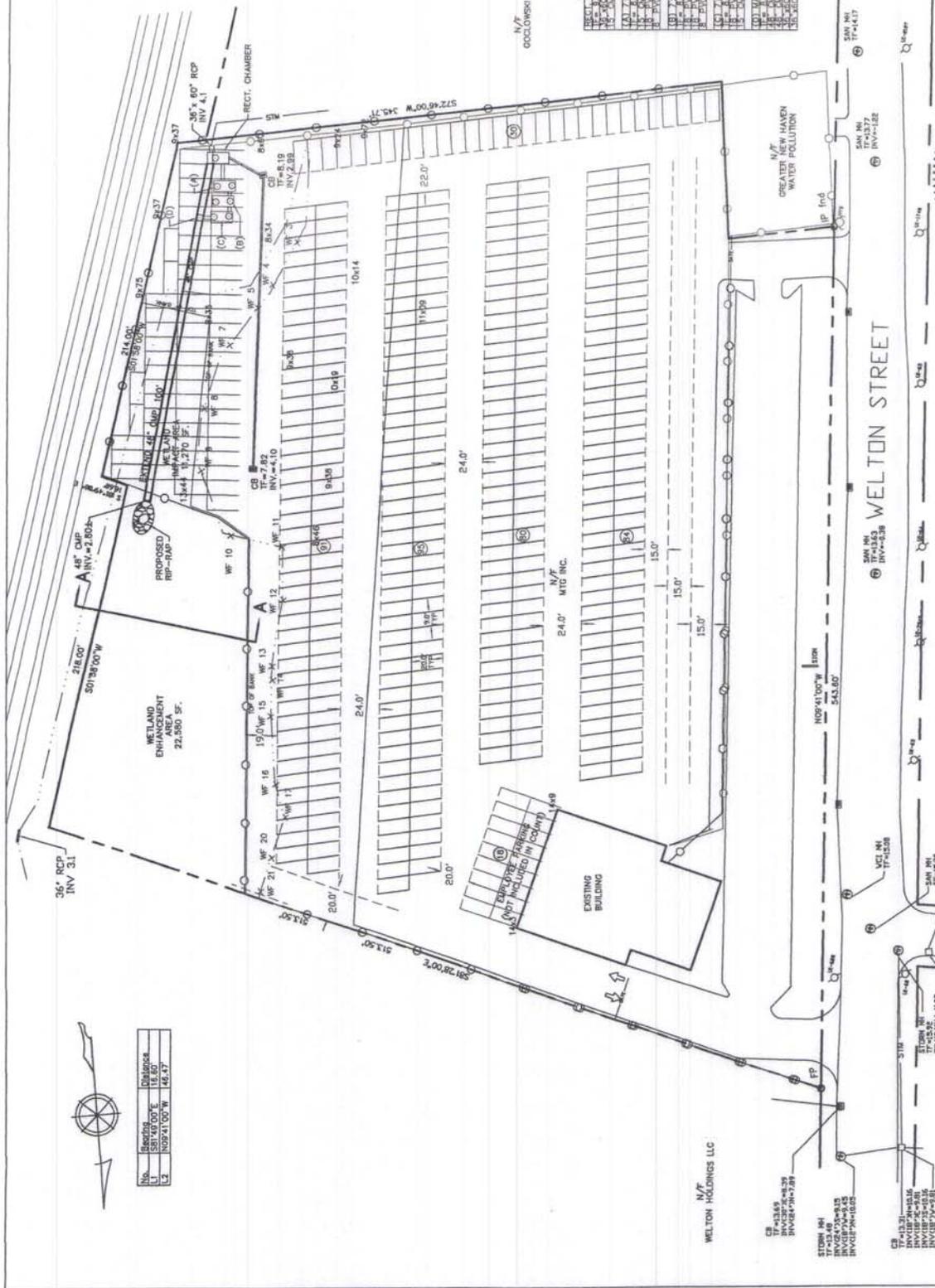
CHAMBER	DESCRIPTION	INVERT	OUTLET
1	12" DIA. PRECAST CHAMBER	INV. 4.10	12" DIA. PRECAST CHAMBER
2	12" DIA. PRECAST CHAMBER	INV. 4.10	12" DIA. PRECAST CHAMBER
3	12" DIA. PRECAST CHAMBER	INV. 4.10	12" DIA. PRECAST CHAMBER
4	12" DIA. PRECAST CHAMBER	INV. 4.10	12" DIA. PRECAST CHAMBER
5	12" DIA. PRECAST CHAMBER	INV. 4.10	12" DIA. PRECAST CHAMBER
6	12" DIA. PRECAST CHAMBER	INV. 4.10	12" DIA. PRECAST CHAMBER
7	12" DIA. PRECAST CHAMBER	INV. 4.10	12" DIA. PRECAST CHAMBER
8	12" DIA. PRECAST CHAMBER	INV. 4.10	12" DIA. PRECAST CHAMBER
9	12" DIA. PRECAST CHAMBER	INV. 4.10	12" DIA. PRECAST CHAMBER
10	12" DIA. PRECAST CHAMBER	INV. 4.10	12" DIA. PRECAST CHAMBER
11	12" DIA. PRECAST CHAMBER	INV. 4.10	12" DIA. PRECAST CHAMBER
12	12" DIA. PRECAST CHAMBER	INV. 4.10	12" DIA. PRECAST CHAMBER
13	12" DIA. PRECAST CHAMBER	INV. 4.10	12" DIA. PRECAST CHAMBER
14	12" DIA. PRECAST CHAMBER	INV. 4.10	12" DIA. PRECAST CHAMBER
15	12" DIA. PRECAST CHAMBER	INV. 4.10	12" DIA. PRECAST CHAMBER
16	12" DIA. PRECAST CHAMBER	INV. 4.10	12" DIA. PRECAST CHAMBER
17	12" DIA. PRECAST CHAMBER	INV. 4.10	12" DIA. PRECAST CHAMBER
18	12" DIA. PRECAST CHAMBER	INV. 4.10	12" DIA. PRECAST CHAMBER
19	12" DIA. PRECAST CHAMBER	INV. 4.10	12" DIA. PRECAST CHAMBER
20	12" DIA. PRECAST CHAMBER	INV. 4.10	12" DIA. PRECAST CHAMBER
21	12" DIA. PRECAST CHAMBER	INV. 4.10	12" DIA. PRECAST CHAMBER



No.	Revised	Exchange
1	5/14/2016	16.00'
2	10/24/2016	46.37'

ITEM	DESCRIPTION
1	RECT. CHAMBER
2	36" RCP IN INV=4.10
3	15' DIA. RCP IN INV=4.10
4	10' DIA. PRECAST CHAMBER
5	10' DIA. PRECAST CHAMBER
6	10' DIA. PRECAST CHAMBER
7	10' DIA. PRECAST CHAMBER
8	10' DIA. PRECAST CHAMBER
9	10' DIA. PRECAST CHAMBER
10	10' DIA. PRECAST CHAMBER
11	10' DIA. PRECAST CHAMBER
12	10' DIA. PRECAST CHAMBER
13	10' DIA. PRECAST CHAMBER
14	10' DIA. PRECAST CHAMBER
15	10' DIA. PRECAST CHAMBER
16	10' DIA. PRECAST CHAMBER
17	10' DIA. PRECAST CHAMBER
18	10' DIA. PRECAST CHAMBER
19	10' DIA. PRECAST CHAMBER
20	10' DIA. PRECAST CHAMBER
21	10' DIA. PRECAST CHAMBER
22	10' DIA. PRECAST CHAMBER
23	10' DIA. PRECAST CHAMBER
24	10' DIA. PRECAST CHAMBER
25	10' DIA. PRECAST CHAMBER
26	10' DIA. PRECAST CHAMBER
27	10' DIA. PRECAST CHAMBER
28	10' DIA. PRECAST CHAMBER
29	10' DIA. PRECAST CHAMBER
30	10' DIA. PRECAST CHAMBER
31	10' DIA. PRECAST CHAMBER
32	10' DIA. PRECAST CHAMBER
33	10' DIA. PRECAST CHAMBER
34	10' DIA. PRECAST CHAMBER
35	10' DIA. PRECAST CHAMBER
36	10' DIA. PRECAST CHAMBER
37	10' DIA. PRECAST CHAMBER
38	10' DIA. PRECAST CHAMBER
39	10' DIA. PRECAST CHAMBER
40	10' DIA. PRECAST CHAMBER
41	10' DIA. PRECAST CHAMBER
42	10' DIA. PRECAST CHAMBER
43	10' DIA. PRECAST CHAMBER
44	10' DIA. PRECAST CHAMBER
45	10' DIA. PRECAST CHAMBER
46	10' DIA. PRECAST CHAMBER
47	10' DIA. PRECAST CHAMBER
48	10' DIA. PRECAST CHAMBER
49	10' DIA. PRECAST CHAMBER
50	10' DIA. PRECAST CHAMBER
51	10' DIA. PRECAST CHAMBER
52	10' DIA. PRECAST CHAMBER
53	10' DIA. PRECAST CHAMBER
54	10' DIA. PRECAST CHAMBER
55	10' DIA. PRECAST CHAMBER
56	10' DIA. PRECAST CHAMBER
57	10' DIA. PRECAST CHAMBER
58	10' DIA. PRECAST CHAMBER
59	10' DIA. PRECAST CHAMBER
60	10' DIA. PRECAST CHAMBER
61	10' DIA. PRECAST CHAMBER
62	10' DIA. PRECAST CHAMBER
63	10' DIA. PRECAST CHAMBER
64	10' DIA. PRECAST CHAMBER
65	10' DIA. PRECAST CHAMBER
66	10' DIA. PRECAST CHAMBER
67	10' DIA. PRECAST CHAMBER
68	10' DIA. PRECAST CHAMBER
69	10' DIA. PRECAST CHAMBER
70	10' DIA. PRECAST CHAMBER
71	10' DIA. PRECAST CHAMBER
72	10' DIA. PRECAST CHAMBER
73	10' DIA. PRECAST CHAMBER
74	10' DIA. PRECAST CHAMBER
75	10' DIA. PRECAST CHAMBER
76	10' DIA. PRECAST CHAMBER
77	10' DIA. PRECAST CHAMBER
78	10' DIA. PRECAST CHAMBER
79	10' DIA. PRECAST CHAMBER
80	10' DIA. PRECAST CHAMBER
81	10' DIA. PRECAST CHAMBER
82	10' DIA. PRECAST CHAMBER
83	10' DIA. PRECAST CHAMBER
84	10' DIA. PRECAST CHAMBER
85	10' DIA. PRECAST CHAMBER
86	10' DIA. PRECAST CHAMBER
87	10' DIA. PRECAST CHAMBER
88	10' DIA. PRECAST CHAMBER
89	10' DIA. PRECAST CHAMBER
90	10' DIA. PRECAST CHAMBER
91	10' DIA. PRECAST CHAMBER
92	10' DIA. PRECAST CHAMBER
93	10' DIA. PRECAST CHAMBER
94	10' DIA. PRECAST CHAMBER
95	10' DIA. PRECAST CHAMBER
96	10' DIA. PRECAST CHAMBER
97	10' DIA. PRECAST CHAMBER
98	10' DIA. PRECAST CHAMBER
99	10' DIA. PRECAST CHAMBER
100	10' DIA. PRECAST CHAMBER

N/A
occludes



Drawn By:	WJK
Checked By:	R.S.
Date:	Sept. 3, 2015
Revised:	Feb. 18, 2016
DATUM NGVD 1929	
C.J.L. = 5.5	
MHW = 3.7	
MLW = -2.6	

350 AUCTION INVENTORY PARKING SPACES
95 STORAGE PARKING SPACES
TOTAL 445 PARKING SPACES

GRAPHIC SCALE
0 50 100
(IN FEET)

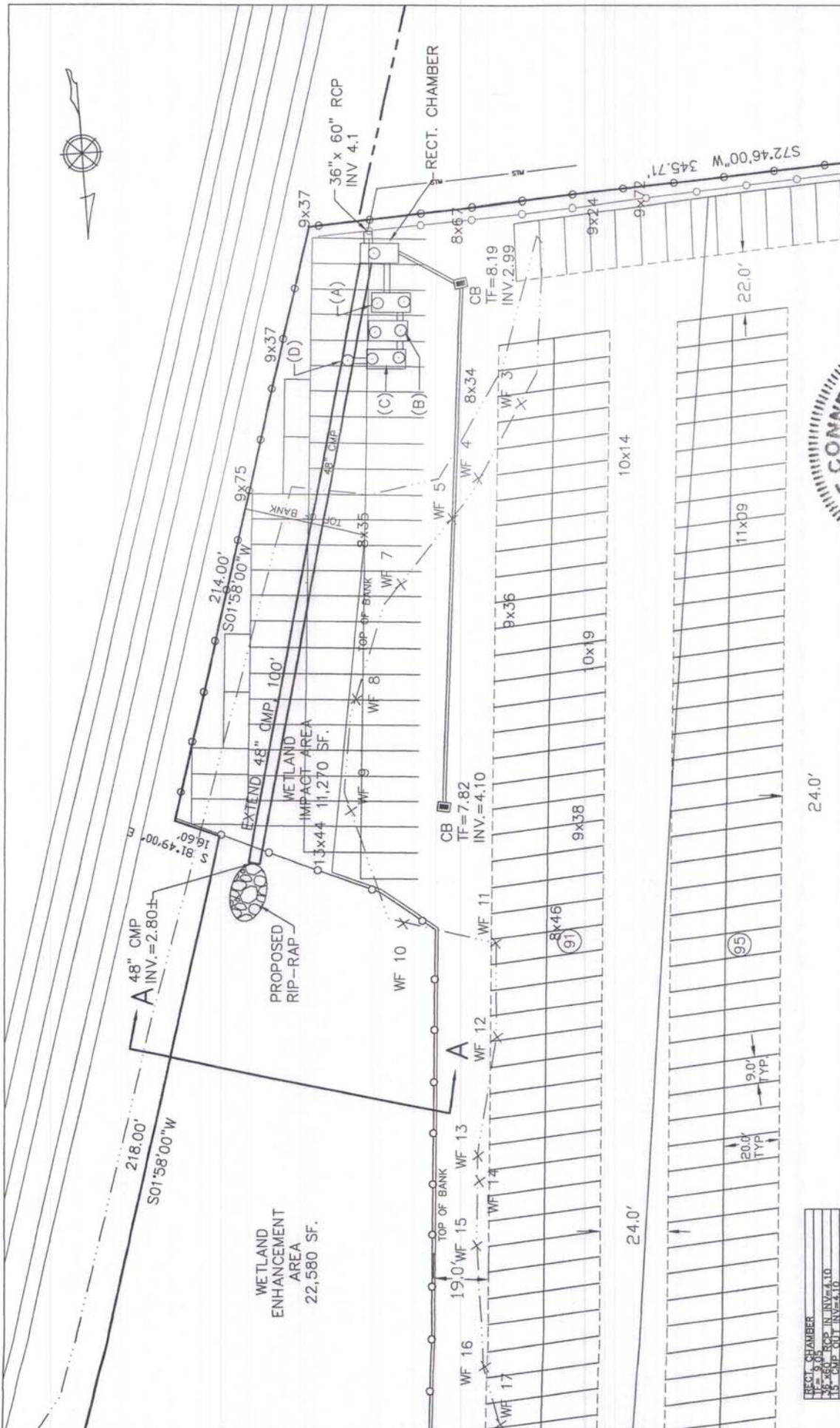
Central Auto Auction
185 Welton Street
New Haven County
Hamden, Connecticut

PROPOSED FACILITY
EXPANSION

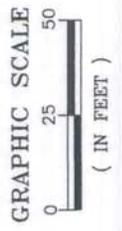
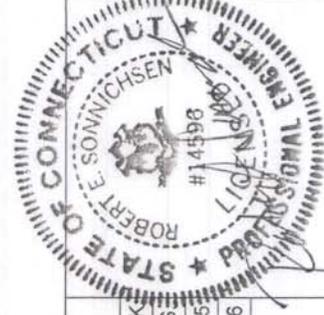
PROPOSED CONDITIONS

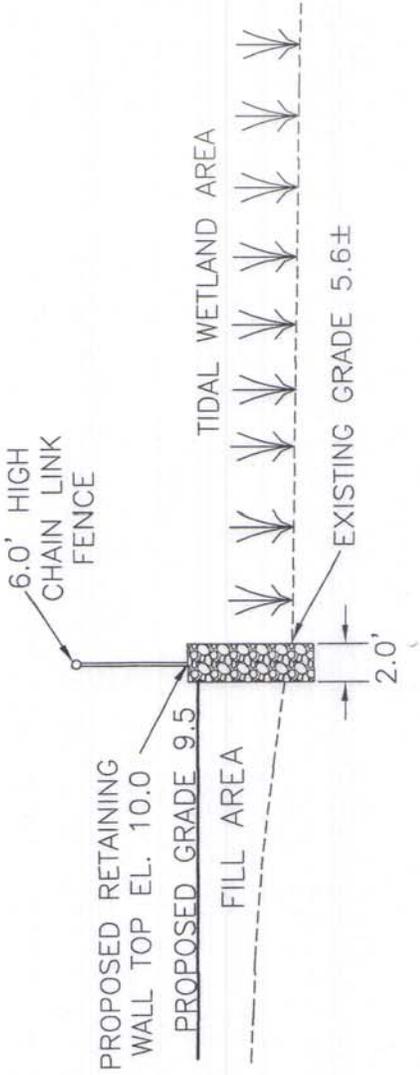
PLAN VIEW

Sheet: 5 of 8

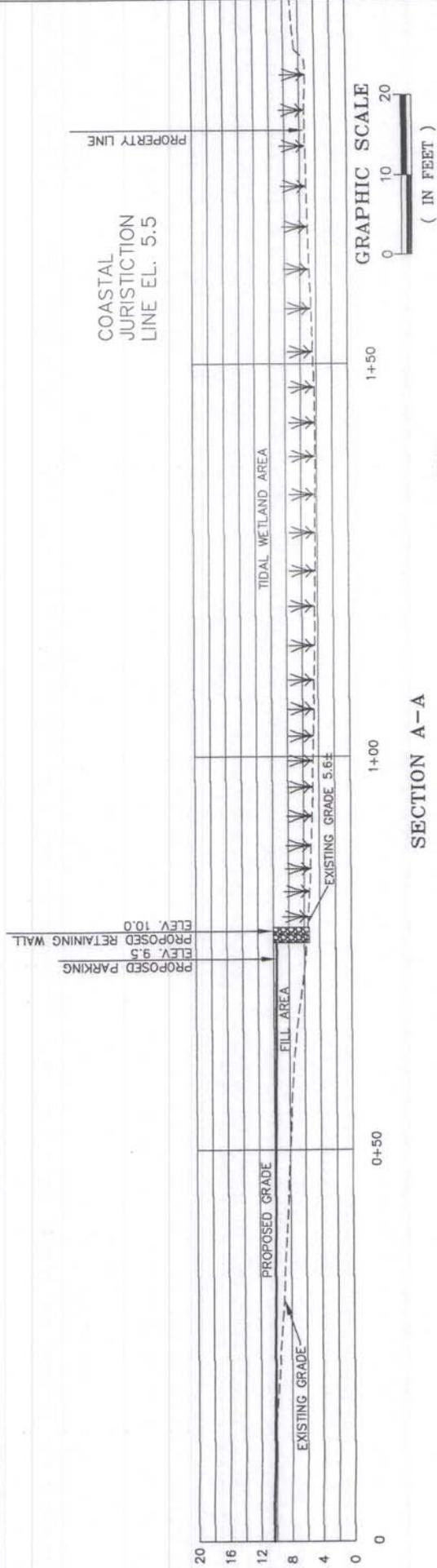


<p>RECT. CHAMBER</p> <p>15 - 9.0' RCP IN INV.=4.10</p> <p>16 - 36.0' RCP OUT INV.=4.10</p> <p>17 - 36.0' RCP OUT INV.=2.2</p>		<p>Drawn By: WJK</p> <p>Checked By: R.S</p> <p>Date: Sept. 3, 2015</p> <p>Revised: Feb. 18, 2016</p> <p>DATUM NGVD 1929</p> <p>CJL = 5.5</p> <p>MHW = 3.7</p> <p>MLW = -2.6</p>	<p>Applicant</p> <p>Project</p>
<p>(A) 7.0'x3.5' PRECAST CHAMBER</p> <p>18 - 6.0' RCP IN INV.=4.10</p> <p>19 - 6.0' RCP IN INV.=2.77</p> <p>20 - 6.0' RCP OUT INV.=0.88</p> <p>(B) 7.0'x3.5' PRECAST CHAMBER</p> <p>21 - 6.0' RCP IN INV.=2.77</p> <p>22 - 6.0' RCP OUT INV.=0.88</p> <p>(C) 7.0'x3.5' PRECAST CHAMBER</p> <p>23 - 6.0' RCP IN INV.=3.77</p> <p>24 - 6.0' RCP OUT INV.=0.81</p> <p>(D) MANHOLE</p> <p>25 - 6.0' RCP IN INV.=3.91</p> <p>26 - 6.0' RCP IN INV.=3.91</p> <p>27 - 36.0' RCP IN INV.=2.2</p> <p>28 - 36.0' RCP OUT INV.=2.2</p>			
<p>Central Auto Auction</p> <p>185 Welton Street</p> <p>New Haven County</p> <p>Hamden, Connecticut</p>		<p>PROPOSED FACILITY EXPANSION</p>	
<p>PROPOSED CONDITIONS</p>		<p>PLAN VIEW</p>	
<p>Sheet: 6 of 8</p>		<p>Seal</p>	



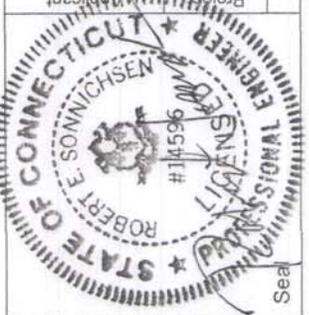


GRAPHIC SCALE
(IN FEET)



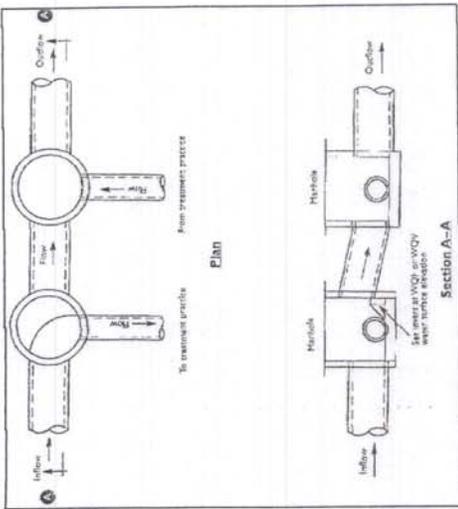
GRAPHIC SCALE
(IN FEET)

SECTION A-A



Drawn By:	WJK
Checked By:	R.S.
Date:	Sept. 3, 2015
Revised:	Feb. 18, 2016
DATUM NGVD 1929	
CJL = 5.5	
MHW = 3.7	
MLW = -2.6	

Project Applicant
 Central Auto Auction
 185 Welton Street
 New Haven County
 Hamden, Connecticut
 PROPOSED FACILITY
 EXPANSION
 SECTION A-A
 PLAN VIEW
 Sheet: 7 of 8

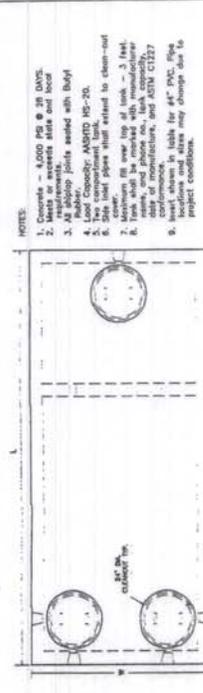


Connecticut Precast Corp.
 Manufacturers of Concrete Products
 555 Fan Hill Road, Monroe, CT 06468
 Telephone (203) 288-9688 www.ciprecast.com
 Fax (203) 452-1007

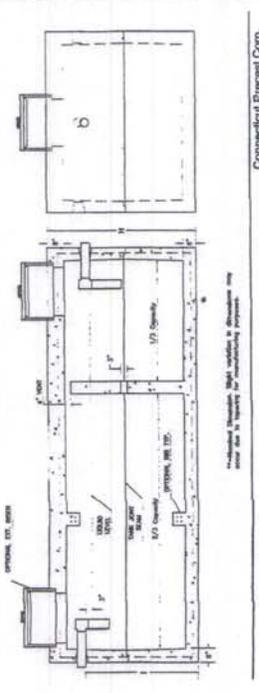
Septic Tanks

PRECAST CONCRETE
 3000 Gallon Capacity
 7'-0" X 16'-0" (H20 Loading)

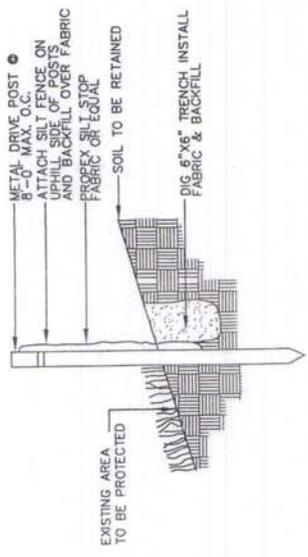
UNCL. CAPACITY	LENGTH	WIDTH	DEPTH	HEIGHT	WEIGHT
(GALLONS)	(L)	(W)	(D)	(H)	(LBS.)
3000	17'-0"	6'-0"	4'-5"	5'-10"	3455



3,000 GALLON STORMWATER OIL/GRIT CHAMBER DETAIL

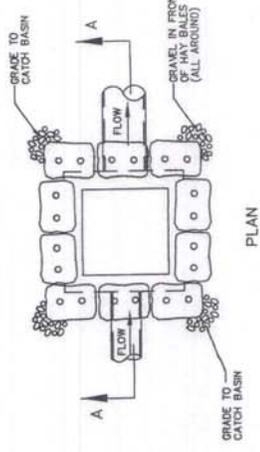


Connecticut Precast Corp.



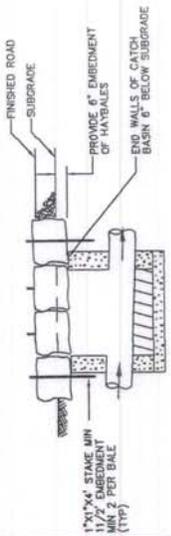
SILT FENCE DETAIL

N.T.S.



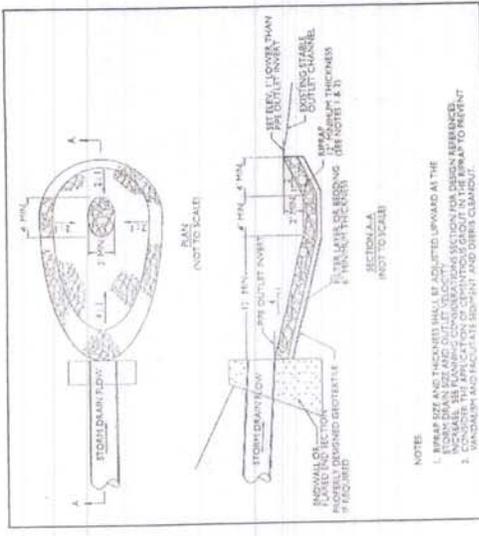
TEMPORARY TREATMENT OF CATCH BASIN

N.T.S.



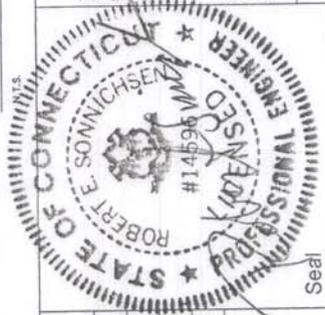
SECTION A-A

NOTE: CATCH BASIN WALLS SHALL BE LEFT 6" BELOW SUBGRADE TO ALLOW FOR SETTLEMENT OF SUBGRADE TO ALLOW THE ENTRANCE OF RUNOFF



RIP-RAP STILLING BASIN DETAIL

NOTE:
 1. RIP-RAP FILTER THICKNESS SHALL BE ADJUSTED UPWARD AT THE EXCESSIVE FLOW VELOCITY.
 2. INCREASE RIP-RAP FILTER THICKNESS TO ALLOW FOR SETTLEMENT OF SUBGRADE TO ALLOW THE ENTRANCE OF RUNOFF.
 3. WANDER AND FACILITATE SEDIMENT AND DEBRIS CLEANSING.



Drawn By: WJK
 Checked By: R.S.
 Date: Sept. 3, 2015
 Revised: Feb. 18, 2016
 DATUM NGVD 1929
 C.J.L. = 5.5
 M.H.W. = 3.7
 M.L.W. = -2.6

Seal

Central Auto Auction
 185 Welton Street
 New Haven County
 Hamden, Connecticut

PROPOSED FACILITY
 EXPANSION
 DETAILS

PLAN VIEW Sheet: 8 of 8