SUBSET 12 - GENERAL DELIVERABLES
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DESIGNED BY:
PARSONS BRINCKERHOFF

Anthony A Moretti
Parsons
Brinckerhoff
Glastonbury, CT
2015.04.02
09:46:47 -04'00'

3/29/2015 9:05:07 AM
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REV.	DATE	REVISION DESCRIPTION	SHEET NO.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 3/29/2015

DESIGNER/DRAFTER: JLD
CHECKED BY: JLW

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: 20_GDGI_3010088_GD-000.dgn

SIGNATURE/
BLOCK:

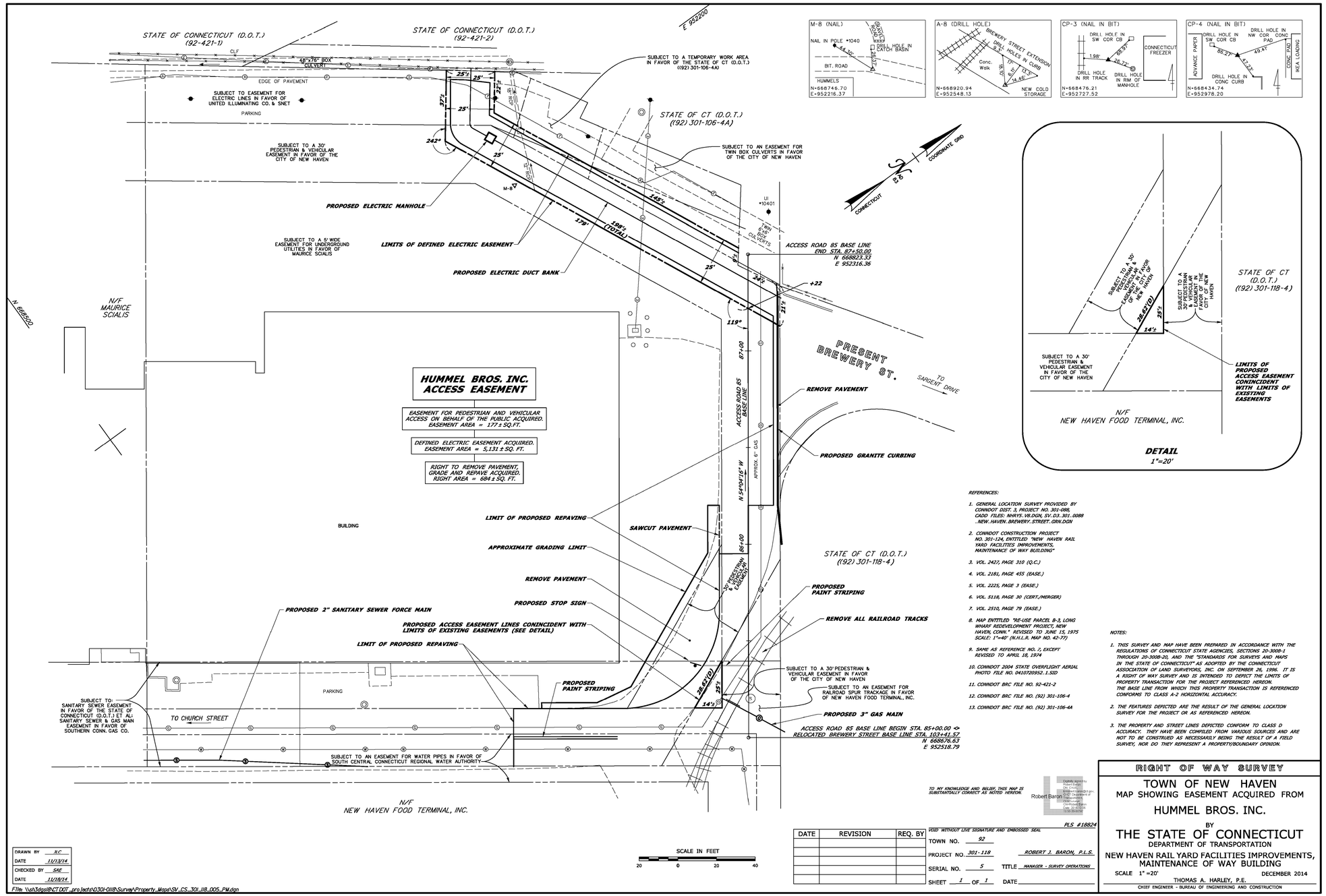
PROJECT TITLE:
NEW HAVEN RAIL YARD
FACILITIES IMPROVEMENTS
MAINTENANCE OF WAY BUILDING

TOWN: NEW HAVEN

DRAWING TITLE:
GENERAL DELIVERABLES
SUBSET COVER SHEET

PROJECT NO. 301-0124
DRAWING NO. GD-000
SHEET NO. 12.01

Connecticut Department of Transportation
QA/QC Format Check



REFERENCES:

1. GENERAL LOCATION SURVEY PROVIDED BY CONNDOT DIST. 3, PROJECT NO. 301-088, CADD FILES: NHRYS.V8.DGN, SV.D3.301.0088 ..NEW.HAVEN.BREWERY.STREET.GRN.DGN
2. CONNDOT CONSTRUCTION PROJECT NO. 301-124, ENTITLED "NEW HAVEN RAIL YARD FACILITIES IMPROVEMENTS; MAINTENANCE OF WAY BUILDING"
3. VOL. 2427, PAGE 310 (Q.C.)
4. VOL. 2181, PAGE 455 (EASE.)
5. VOL. 2225, PAGE 3 (EASE.)
6. VOL. 5118, PAGE 30 (CERT./MERGER)
7. VOL. 2510, PAGE 79 (EASE.)
8. MAP ENTITLED "RE-USE PARCEL B-3, LONG WHARF REDEVELOPMENT PROJECT, NEW HAVEN, CONN." REVISED TO JUNE 15, 1975 SCALE: 1"=40' (N.H.L.R. MAP NO. 42-77)
9. SAME AS REFERENCE NO. 7, EXCEPT REVISED TO APRIL 18, 1974
10. CONNDOT 2004 STATE OVERFLIGHT AERIAL PHOTO FILE NO. 041072095J_1.SID
11. CONNDOT BRC FILE NO. 92-421-2
12. CONNDOT BRC FILE NO. (92) 301-106-4
13. CONNDOT BRC FILE NO. (92) 301-106-4A

NOTES:

1. THIS SURVEY AND MAP HAVE BEEN PREPARED IN ACCORDANCE WITH THE REGULATIONS OF CONNECTICUT STATE AGENCIES, SECTIONS 20-300b-1 THROUGH 20-300b-20, AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996. IT IS A RIGHT OF WAY SURVEY AND IS INTENDED TO DEPICT THE LIMITS OF PROPERTY TRANSACTION FOR THE PROJECT REFERENCED HEREON. THE BASE LINE FROM WHICH THIS PROPERTY TRANSACTION IS REFERENCED CONFORMS TO CLASS A-2 HORIZONTAL ACCURACY.
2. THE FEATURES DEPICTED ARE THE RESULT OF THE GENERAL LOCATION SURVEY FOR THE PROJECT OR AS REFERENCED HEREON.
3. THE PROPERTY AND STREET LINES DEPICTED CONFORM TO CLASS D ACCURACY. THEY HAVE BEEN COMPILED FROM VARIOUS SOURCES AND ARE NOT TO BE CONSTRUED AS NECESSARILY BEING THE RESULT OF A FIELD SURVEY, NOR DO THEY REPRESENT A PROPERTY/BOUNDARY OPINION.

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

Robert Baron

Digitally signed by Robert Baron
DN: cn=Robert Baron, c=US, o=State of Connecticut, ou=Department of Transportation, ou=Retired Baron, email=robert.baron@ct.gov
Date: 2014.12.31 11:36:30 -05'00'

PLS #18824

VOID WITHOUT LIVE SIGNATURE AND EMBOSSED SEAL

DATE	REVISION	REQ. BY

TOWN NO. 92
PROJECT NO. 301-118
SERIAL NO. 5
SHEET 1 OF 1

ROBERT J. BARON, P.L.S.
TITLE MANAGER - SURVEY OPERATIONS
DATE

RIGHT OF WAY SURVEY

TOWN OF NEW HAVEN
MAP SHOWING EASEMENT ACQUIRED FROM
HUMMEL BROS. INC.
BY
THE STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION
NEW HAVEN RAIL YARD FACILITIES IMPROVEMENTS, MAINTENANCE OF WAY BUILDING

SCALE 1" =20'
DECEMBER 2014

THOMAS A. HARLEY, P.E.
CHIEF ENGINEER - BUREAU OF ENGINEERING AND CONSTRUCTION

DRAWN BY JLC
DATE 11/13/14
CHECKED BY SAE
DATE 11/18/14

File: \\sh3dgs8\CTDOT_projects\301_0088\Contract_Sheet_Files\20\12-General Deliverables\20_GPTY_3010088_GP-001.dgn

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 3/29/2015

DESIGNER/DRAFTER: CONNDOT
CHECKED BY: CONNDOT

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: 20_GPTY_3010088_GP-001.dgn

SIGNATURE BLOCK: STATE OF CONNECTICUT ANTHONY A. MUSTO LICENSED PROFESSIONAL ENGINEER

PARSONS BRINCKERHOFF
GLASTONBURY, CT

PROJECT TITLE:
NEW HAVEN RAIL YARD FACILITIES IMPROVEMENTS

TOWN: NEW HAVEN

DRAWING TITLE: MOW PROPERTY MAP-A

PROJECT NO. 301-0124
DRAWING NO. GP-001
SHEET NO. 12.02

3/29/2015 9:06:35 AM
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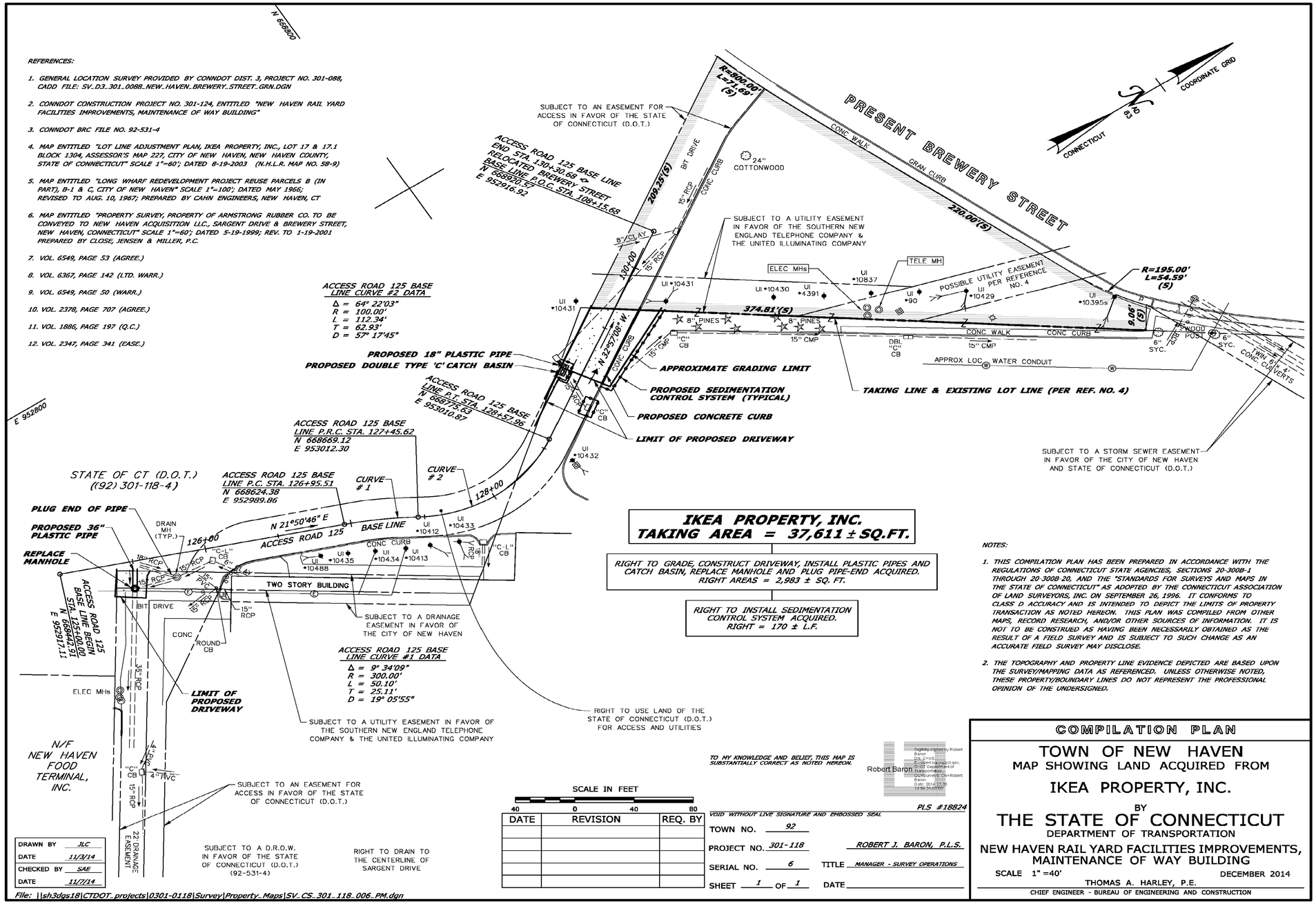
REFERENCES:

1. GENERAL LOCATION SURVEY PROVIDED BY CONNDOT DIST. 3, PROJECT NO. 301-088, CADD FILE: SV_D3_301_0088_NEW_HAVEN_BREWERY_STREET_GRN.DGN
2. CONNDOT CONSTRUCTION PROJECT NO. 301-124, ENTITLED "NEW HAVEN RAIL YARD FACILITIES IMPROVEMENTS, MAINTENANCE OF WAY BUILDING"
3. CONNDOT BRC FILE NO. 92-531-4
4. MAP ENTITLED "LOT LINE ADJUSTMENT PLAN, IKEA PROPERTY, INC., LOT 17 & 17.1 BLOCK 1304, ASSESSOR'S MAP 227, CITY OF NEW HAVEN, NEW HAVEN COUNTY, STATE OF CONNECTICUT" SCALE 1"=60'; DATED 8-19-2003 (N.H.L.R. MAP NO. 58-9)
5. MAP ENTITLED "LONG WHARF REDEVELOPMENT PROJECT REUSE PARCELS B (IN PART), B-1 & C, CITY OF NEW HAVEN" SCALE 1"=100'; DATED MAY 1966; REVISED TO AUG. 10, 1967; PREPARED BY CAHN ENGINEERS, NEW HAVEN, CT
6. MAP ENTITLED "PROPERTY SURVEY, PROPERTY OF ARMSTRONG RUBBER CO. TO BE CONVEYED TO NEW HAVEN ACQUISITION LLC., SARGENT DRIVE & BREWERY STREET, NEW HAVEN, CONNECTICUT" SCALE 1"=60'; DATED 5-19-1999; REV. TO 1-19-2001 PREPARED BY CLOSE, JENSEN & MILLER, P.C.
7. VOL. 6549, PAGE 53 (AGREE.)
8. VOL. 6367, PAGE 142 (LTD. WARR.)
9. VOL. 6549, PAGE 50 (WARR.)
10. VOL. 2378, PAGE 707 (AGREE.)
11. VOL. 1886, PAGE 197 (Q.C.)
12. VOL. 2347, PAGE 341 (EASE.)



IKEA PROPERTY, INC.
TAKING AREA = 37,611 ± SQ.FT.

RIGHT TO GRADE, CONSTRUCT DRIVEWAY, INSTALL PLASTIC PIPES AND CATCH BASIN, REPLACE MANHOLE AND PLUG PIPE-END ACQUIRED.
RIGHT AREAS = 2,983 ± SQ. FT.

RIGHT TO INSTALL SEDIMENTATION CONTROL SYSTEM ACQUIRED.
RIGHT = 170 ± L.F.

NOTES:

1. THIS COMPILATION PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE REGULATIONS OF CONNECTICUT STATE AGENCIES, SECTIONS 20-300B-1 THROUGH 20-300B-20, AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996. IT CONFORMS TO CLASS D ACCURACY AND IS INTENDED TO DEPICT THE LIMITS OF PROPERTY TRANSACTION AS NOTED HEREON. THIS PLAN WAS COMPILED FROM OTHER MAPS, RECORD RESEARCH, AND/OR OTHER SOURCES OF INFORMATION. IT IS NOT TO BE CONSTRUED AS HAVING BEEN NECESSARILY OBTAINED AS THE RESULT OF A FIELD SURVEY AND IS SUBJECT TO SUCH CHANGE AS AN ACCURATE FIELD SURVEY MAY DISCLOSE.
2. THE TOPOGRAPHY AND PROPERTY LINE EVIDENCE DEPICTED ARE BASED UPON THE SURVEY/MAPPING DATA AS REFERENCED. UNLESS OTHERWISE NOTED, THESE PROPERTY/BOUNDARY LINES DO NOT REPRESENT THE PROFESSIONAL OPINION OF THE UNDERSIGNED.

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

Robert Baron

Digitally signed by Robert Baron
DN: C=US, E=robert.baron@ct.gov, O=CT Department of Transportation, OU=Surveys, CN=Robert Baron
Date: 2014.12.29 13:58:24-05'00'

PLS #18824

VOID WITHOUT LIVE SIGNATURE AND EMBOSSED SEAL

SCALE IN FEET
40 0 40 80

DATE	REVISION	REQ. BY

TOWN NO. 92
PROJECT NO. 301-118
SERIAL NO. 6
SHEET 1 OF 1

ROBERT J. BARON, P.L.S.
TITLE MANAGER - SURVEY OPERATIONS
DATE

COMPILATION PLAN

TOWN OF NEW HAVEN
MAP SHOWING LAND ACQUIRED FROM
IKEA PROPERTY, INC.
BY
THE STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION
NEW HAVEN RAIL YARD FACILITIES IMPROVEMENTS, MAINTENANCE OF WAY BUILDING
SCALE 1" =40' DECEMBER 2014
THOMAS A. HARLEY, P.E.
CHIEF ENGINEER - BUREAU OF ENGINEERING AND CONSTRUCTION

DRAWN BY	JLC
DATE	11/3/14
CHECKED BY	SAE
DATE	11/7/14

File: \\sh3dgs18\CTDOT_projects\0301-0118\Survey\Property_Maps\SV_CS_301_118_006_PM.dgn

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 3/29/2015

DESIGNER/DRAFTER: CONNDOT
CHECKED BY: CONNDOT

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: 20_GPTY_3010088_GP-002.dgn

SIGNATURE BLOCK: STATE OF CONNECTICUT — ANTHONY A. MOTTA — LICENSED PROFESSIONAL ENGINEER

PARSONS BRINCKERHOFF
GLASTONBURY, CT

PROJECT TITLE: NEW HAVEN RAIL YARD FACILITIES IMPROVEMENTS

TOWN: NEW HAVEN

DRAWING TITLE: MOW PROPERTY MAP-B

PROJECT NO. 301-0124
DRAWING NO. GP-002
SHEET NO. 12.03

3/29/2015 9:06:48 AM
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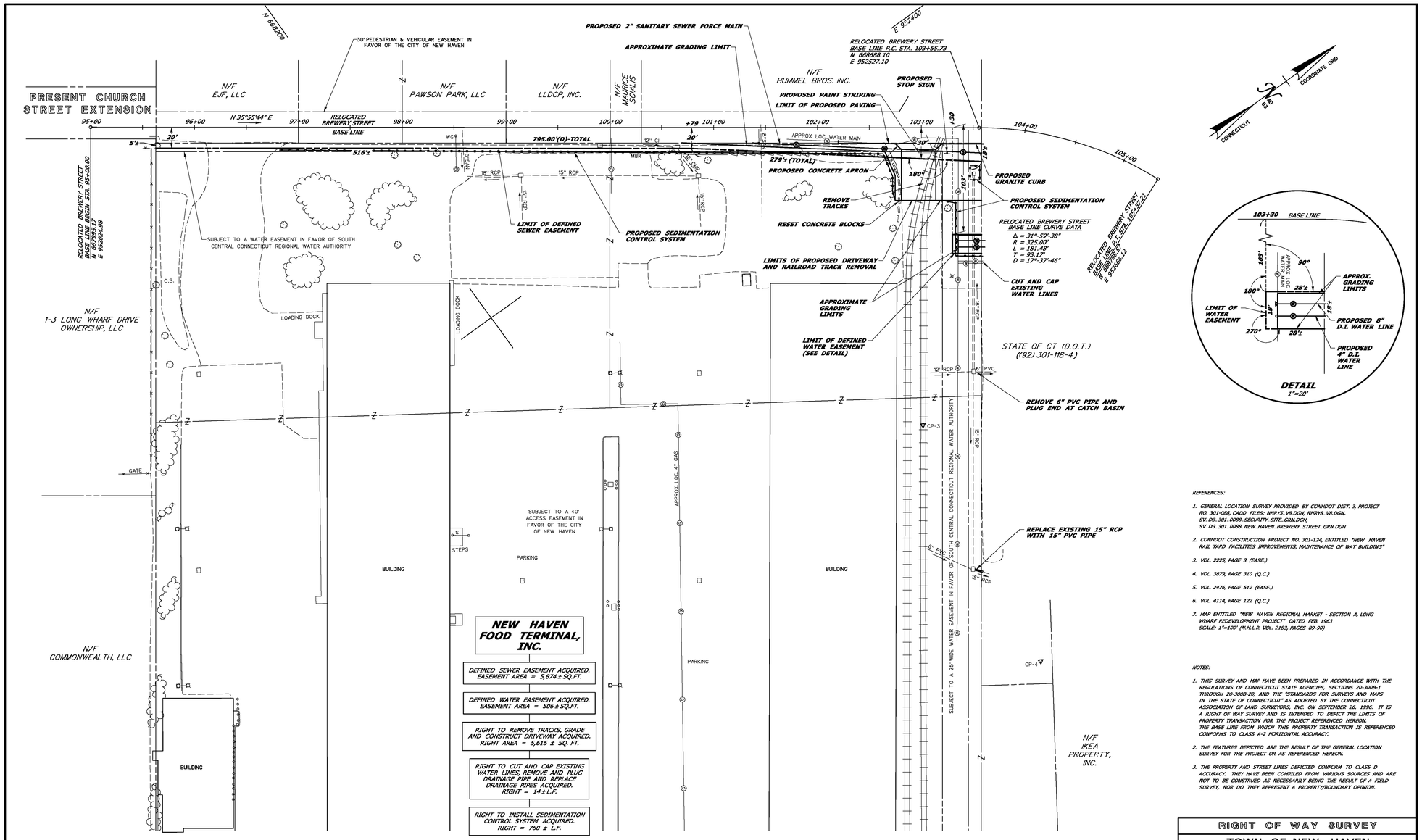

REFERENCES:

1. GENERAL LOCATION SURVEY PROVIDED BY CONNDOT DIST. 3, PROJECT NO. 301-088, CADD FILES: NHRYS.VBLDGN, NHRYB.VBLDGN, SV.D3.301.0088.SECURITY.SITE.GRN.DGN, SV.D3.301.0088.NEW.HAVEN.BREWERY.STREET.GRN.DGN
2. CONNDOT CONSTRUCTION PROJECT NO. 301-124, ENTITLED "NEW HAVEN RAIL YARD FACILITIES IMPROVEMENTS, MAINTENANCE OF WAY BUILDING"
3. VOL. 2225, PAGE 3 (EASE.)
4. VOL. 3879, PAGE 310 (Q.C.)
5. VOL. 2476, PAGE 512 (EASE.)
6. VOL. 4114, PAGE 122 (Q.C.)
7. MAP ENTITLED "NEW HAVEN REGIONAL MARKET - SECTION A, LONG WHARF REDEVELOPMENT PROJECT" DATED FEB. 1963 SCALE: 1"=100' (N.H.L.R. VOL. 2183, PAGES 89-90)

NOTES:

1. THIS SURVEY AND MAP HAVE BEEN PREPARED IN ACCORDANCE WITH THE REGULATIONS OF CONNECTICUT STATE AGENCIES, SECTIONS 20-300B-1 THROUGH 20-300B-20, AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996. IT IS A RIGHT OF WAY SURVEY AND IS INTENDED TO DEPICT THE LIMITS OF PROPERTY TRANSACTION FOR THE PROJECT REFERENCED HEREON. THE BASE LINE FROM WHICH THIS PROPERTY TRANSACTION IS REFERENCED CONFORMS TO CLASS A-2 HORIZONTAL ACCURACY.
2. THE FEATURES DEPICTED ARE THE RESULT OF THE GENERAL LOCATION SURVEY FOR THE PROJECT OR AS REFERENCED HEREON.
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TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

SCALE IN FEET: 40 0 40 80

DATE	REVISION	REQ. BY

VOID WITHOUT LIVE SIGNATURE AND EMBOSSED SEAL

PLS #18824

TOWN NO. 92

PROJECT NO. 301-119 — ROBERT J. BARON, P.L.S.

SERIAL NO. 7 — TITLE MANAGER - SURVEY OPERATIONS

SHEET 1 OF 1 — DATE

DRAWN BY RJC
DATE 10/30/14
CHECKED BY SAE
DATE 11/10/14

File: \\sh3dgs\CTDOT_projects\0301\0118\Survey\Property_Maps\SV_CS_301_118_007_PM.dgn

RIGHT OF WAY SURVEY

TOWN OF NEW HAVEN
MAP SHOWING EASEMENT ACQUIRED FROM
NEW HAVEN FOOD TERMINAL, INC.
BY
THE STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION
NEW HAVEN RAIL YARD FACILITIES IMPROVEMENTS, MAINTENANCE OF WAY BUILDING

SCALE 1" =40' — DECEMBER 2014

THOMAS A. HARLEY, P.E.
CHIEF ENGINEER - BUREAU OF ENGINEERING AND CONSTRUCTION

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 3/29/2015

DESIGNER/DRAFTER: CONNDOT
CHECKED BY: CONNDOT

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: 20_GPTY_3010088_GP-003.dgn

SIGNATURE BLOCK: STATE OF CONNECTICUT — ANTHONY A. MONTANO — LICENSED PROFESSIONAL ENGINEER

PARSONS BRINCKERHOFF
GLASTONBURY, CT

PROJECT TITLE:
NEW HAVEN RAIL YARD FACILITIES IMPROVEMENTS

TOWN: NEW HAVEN

DRAWING TITLE: MOW PROPERTY MAP-C

PROJECT NO. 301-0124
DRAWING NO. GP-003
SHEET NO. 12.04

3/29/2015 9:07:04 AM
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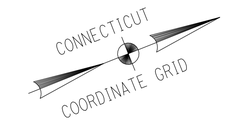

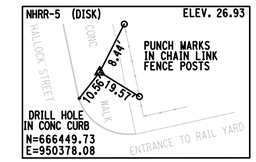

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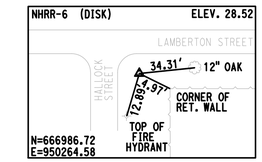

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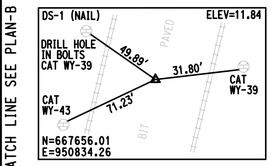

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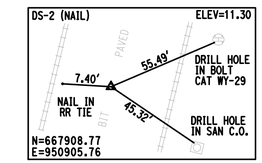

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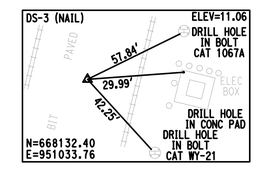

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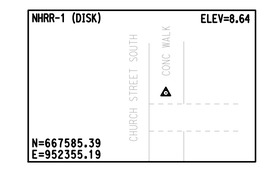

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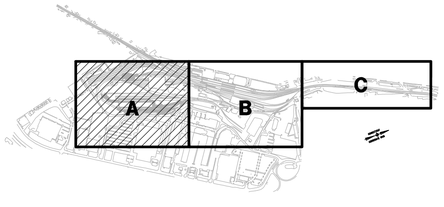

KEY PLAN

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REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 3/29/2015

DESIGNER/DRAFTER: JLD
CHECKED BY: JLW
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SCALE 1"=100'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: 20_GTIE_3010088_GS-011.dgn

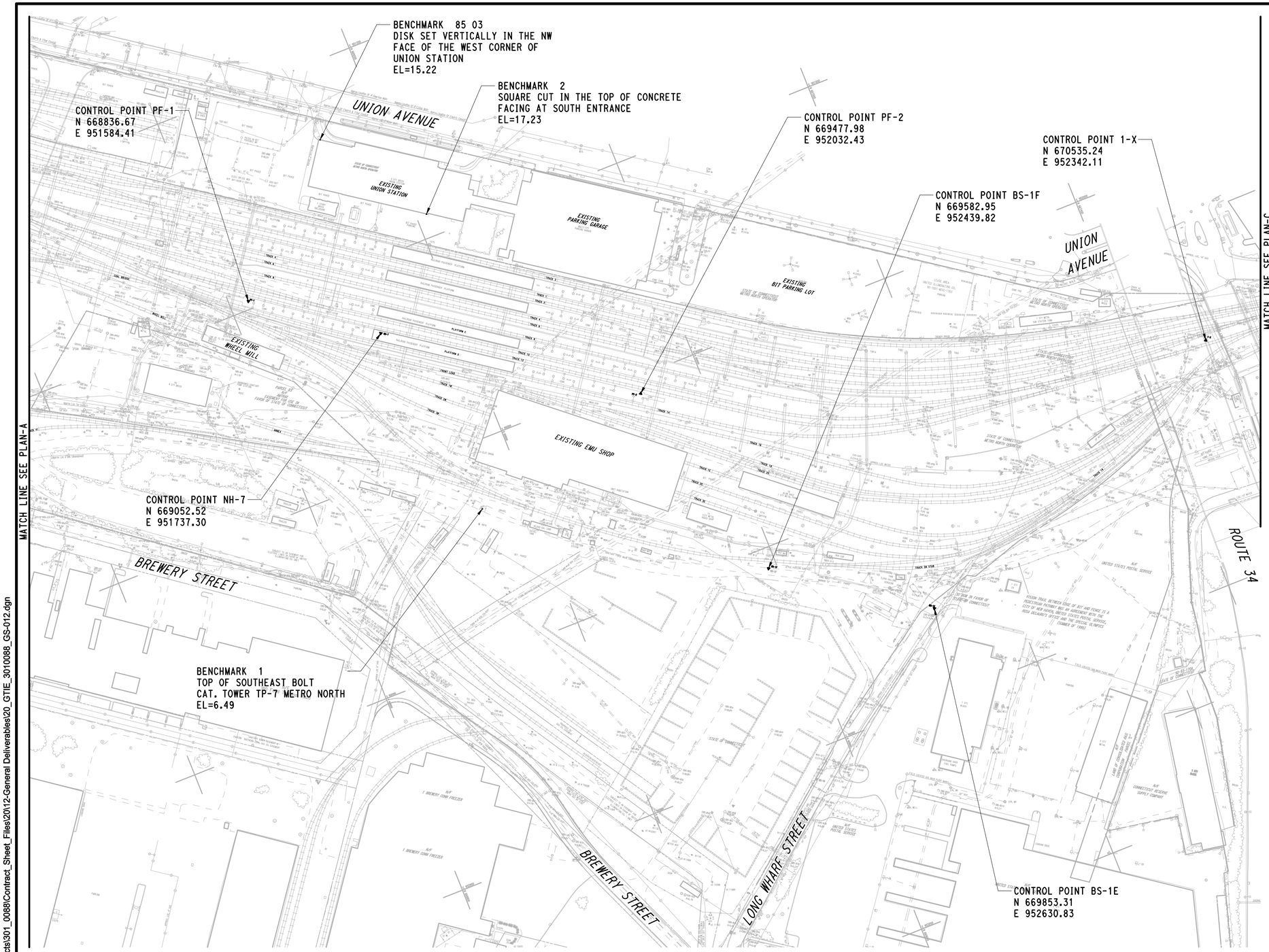
SIGNATURE BLOCK: STATE OF CONNECTICUT ANTHONY A. MORETTI LICENSED PROFESSIONAL ENGINEER
PARSONS BRINCKERHOFF
GLASTONBURY, CT

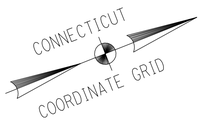
PROJECT TITLE:
NEW HAVEN RAIL YARD FACILITIES IMPROVEMENTS

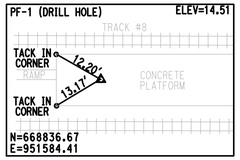
TOWN: NEW HAVEN

DRAWING TITLE: SURVEY TIE PLAN-A

PROJECT NO. 301-0124
DRAWING NO. GS-011
SHEET NO. 12.05







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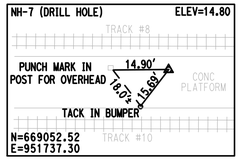

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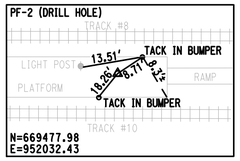

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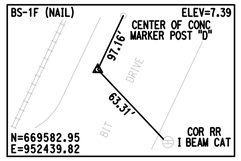

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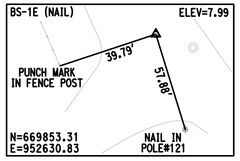

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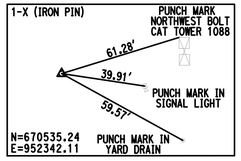

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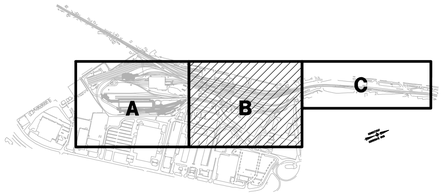

KEY PLAN

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 3/29/2015

DESIGNER/DRAFTER: JLD

CHECKED BY: JLW

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SCALE 1"=100'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: 20_GTIE_3010088_GS-012.dgn

SIGNATURE BLOCK: STATE OF CONNECTICUT LICENSED PROFESSIONAL ENGINEER

PARSONS BRINCKERHOFF
GLASTONBURY, CT

PROJECT TITLE:
NEW HAVEN RAIL YARD FACILITIES IMPROVEMENTS

TOWN: NEW HAVEN

DRAWING TITLE: SURVEY TIE PLAN-B

PROJECT NO. 301-0124

DRAWING NO. GS-012

SHEET NO. 12.06

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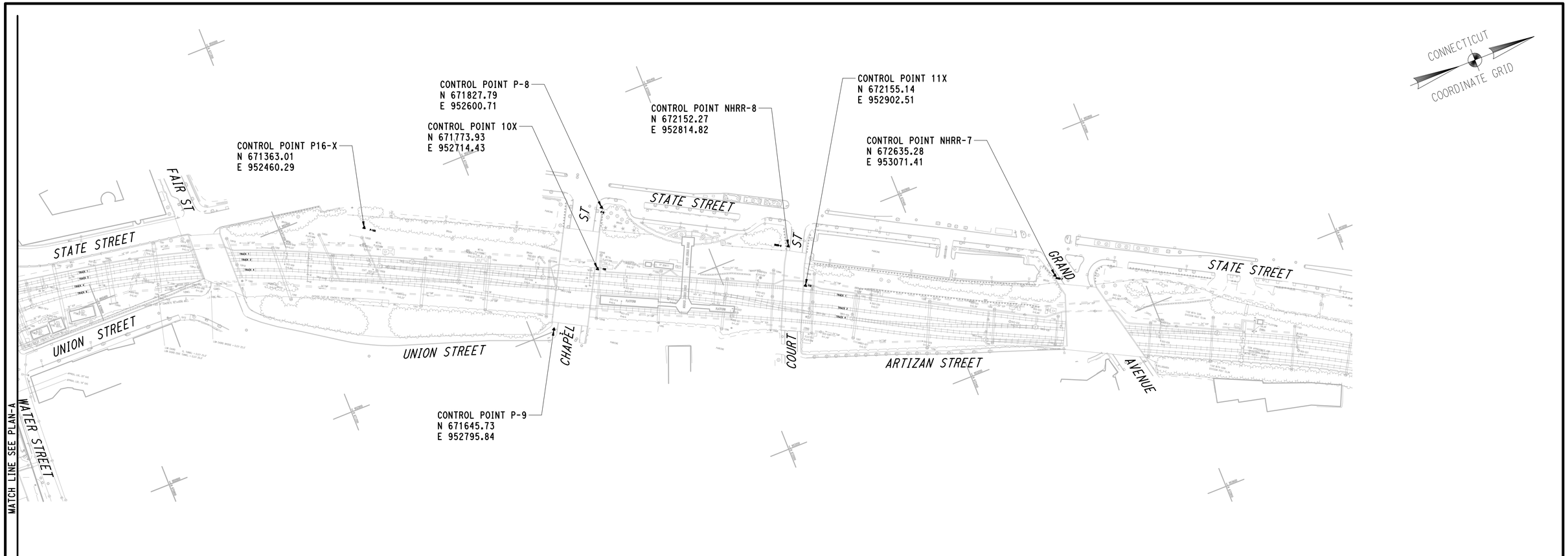

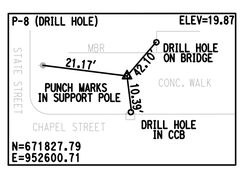

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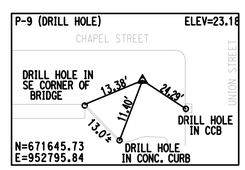

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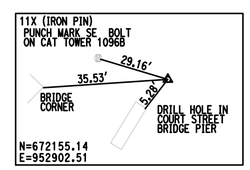

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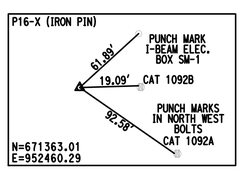

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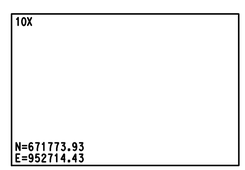

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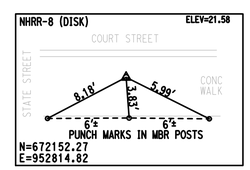

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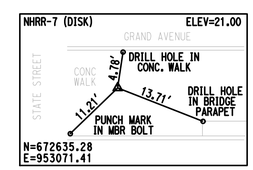

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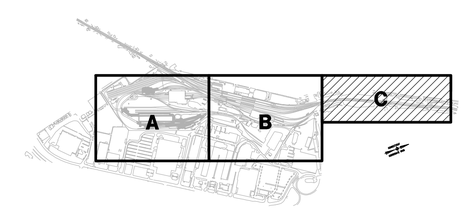

KEY PLAN

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 3/29/2015

DESIGNER/DRAFTER: JLD
CHECKED BY: JLW
SCALE IN FEET
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SCALE 1"=100'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: 20_GTIE_3010088_GS-013.dgn

SIGNATURE BLOCK: STATE OF CONNECTICUT ANTHONY A. MORETTI LICENSED PROFESSIONAL ENGINEER

PARSONS BRINCKERHOFF
GLASTONBURY, CT

PROJECT TITLE:
NEW HAVEN RAIL YARD FACILITIES IMPROVEMENTS

TOWN: NEW HAVEN

DRAWING TITLE: SURVEY TIE PLAN-C

PROJECT NO. 301-0124
DRAWING NO. GS-013
SHEET NO. 12.07

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PROJECT 301-0088 CDOT SURVEY DATA
NEW HAVEN RAIL YARD IMPROVEMENTS
ELECTRICAL STRUCTURES SHEET 1 OF 3 6/1/2006

PLAN NO.	ID	RIM	SOURCE	COMMENTS
1	E01-001	ELEV=10.52'	SURVEY-2006	ELEC GROUND FOR UTIL POLE

ELECTRICAL STRUCTURES 6/1/2006

PLAN NO.	ID	RIM	SOURCE	COMMENTS
3	E02-001	ELEV=10.41	SURVEY-2006	
3	E02-002	ELEV=11.29	SURVEY-2006	
3	E02-003	ELEV=11.23	SURVEY-2006	
3	E02-006	ELEV=N/A	SURVEY-2006	
8	E02-014	ELEV=9.81	SURVEY-2006	
8	E02-015	ELEV=12.76	SURVEY-2005	2.4 KV AC ABANDONED
8	E02-016	ELEV=12.82	SURVEY-2005	
	E02-005	ELEV=11.72	SURVEY-2006	
	E02-010	ELEV=11.23	SURVEY-2006	

ELECTRICAL STRUCTURES 6/1/2006

PLAN NO.	ID	RIM	SOURCE	COMMENTS
1	E04-001	ELEV=10.82	SURVEY-2005	
1	E04-002	ELEV=10.79	SURVEY-2006	
1	E04-003	ELEV=10.87	SURVEY-2006	
1	E04-004	ELEV=10.72	SURVEY-2006	
1	E04-005	ELEV=10.53	SURVEY-2006	
1	E04-006	ELEV=10.77	SURVEY-2006	
1	E04-007	ELEV=10.94	SURVEY-2006	
1	E04-008	ELEV=10.98	SURVEY-2006	
1	E04-009	ELEV=9.86	SURVEY-2005	
1	E04-010	ELEV=9.90	SURVEY-2005	
1	E04-011	ELEV=9.70	SURVEY-2005	
1	E04-012	ELEV=9.75	SURVEY-2005	
1	E04-013	ELEV=9.08	SURVEY-2006	
1	E04-014	ELEV=10.80	SURVEY-2005	
1	E04-015	ELEV=10.83	SURVEY-2005	
1	E04-016	ELEV=10.66	SURVEY-2005	
1	E04-017	ELEV=10.83	SURVEY-2005	
1	E04-018	ELEV=10.66	SURVEY-2005	
1	E04-022	ELEV=NA	MAP EDIT-2006	
1	E04-023	ELEV=10.05	SURVEY-2006	
1	E04-024	ELEV=NA	SURVEY-2006	
2	E04-019	ELEV=7.74	SURVEY-2006	
2	E04-020	ELEV=8.02	SURVEY-2006	
2	E04-021	ELEV=7.71	SURVEY-2006	

PROJECT 301-0088 CDOT SURVEY DATA
NEW HAVEN RAIL YARD IMPROVEMENTS
ELECTRICAL STRUCTURES SHEET 2 OF 3 1/16/2007

PLAN NO.	ID	RIM	SOURCE	COMMENTS
3	E05-001	ELEV=10.97	SURVEY-2006	
3	E05-002	ELEV=11.13	SURVEY-2006	
3	E05-003	ELEV=8.62	SURVEY-2006	
3	E05-004	ELEV=8.99	SURVEY-2006	
3	E05-035	ELEV=N/A	MAP EDIT 2006	
3	E05-036	ELEV=10.21	SURVEY-2006	
3	E05-037	ELEV=10.46	SURVEY-2006	
4	E05-006	ELEV=9.50	SURVEY-2006	
4	E05-007	ELEV=9.58	SURVEY-2006	
4	E05-008	ELEV=10.75	SURVEY 11/2006	REVISED RIM
4	E05-009	ELEV=7.19	SURVEY-2006	
4	E05-010	ELEV=N/A	PLAN REVIEW	NOT FOUND
4	E05-046	ELEV=8.58	SURVEY-2005	
4	E05-048	ELEV=11.43	SURVEY 11/2006	REVISED RIM
4	E05-049	ELEV=N/A	MAP EDIT 2006	
5	E05-011	ELEV=11.41	SURVEY-2005	
5	E05-012	ELEV=7.36	SURVEY-2006	
5	E05-013	ELEV=7.87	SURVEY-2006	
5	E05-014	ELEV=8.21	SURVEY-2006	
5	E05-015	ELEV=8.56	SURVEY-2006	
5	E05-016	ELEV=8.71	SURVEY-2006	
5	E05-017	ELEV=8.28	SURVEY-2006	
5	E05-018	ELEV=9.94	SURVEY-2006	
5	E05-018	ELEV=8.57	SURVEY-2006	
5	E05-019	ELEV=9.10	SURVEY-2006	
5	E05-020	ELEV=9.10	SURVEY-2006	
5	E05-021	ELEV=8.68	SURVEY-2006	
5	E05-022	ELEV=8.75	SURVEY-2006	
5	E05-022	ELEV=5.39	SURVEY-2006	
5	E05-039	ELEV=9.00	SURVEY-2006	
5	E05-040	ELEV=8.36	SURVEY-2006	
5	E05-041	ELEV=8.19	SURVEY-2006	
5	E05-043	ELEV=N/A	SURVEY-MAP EDIT 2006	POSSIBLY ABANDONED
5	E05-044	ELEV=9.74	SURVEY-2006	ABANDONED VAULT
5	E05-047	ELEV=N/A	MAP EDIT 2006	
6	E05-023	ELEV=NA	MAP EDIT 2006	
6	E05-024	ELEV=NA	MAP EDIT 2006	
6	E05-025	ELEV=7.96	SURVEY-2006	
6	E05-026	ELEV=7.96	SURVEY-2006	
6	E05-027	ELEV=7.69	SURVEY-2006	
6	E05-028	ELEV=7.61	SURVEY-2006	
6	E05-029	ELEV=8.07	SURVEY-2006	
6	E05-030	ELEV=N/A	MAP EDIT 2006	
6	E05-031	ELEV=8.06	SURVEY-2006	
6	E05-032	ELEV=7.67	SURVEY-2006	
6	E05-033	ELEV=8.04	SURVEY-2005	
7	E05-050	ELEV=10.26	SURVEY-2006	
7	E05-051	ELEV=N/A	SURVEY-MAP EDIT	38843
	E05-045	ELEV=9.33'	SURVEY-2006	
	E05-045	ELEV=N/A	SURVEY-2006	
	E05-045	ELEV=N/A	FIELD EDIT	

PROJECT 301-0088 CDOT SURVEY DATA
NEW HAVEN RAIL YARD IMPROVEMENTS
ELECTRICAL STRUCTURES SHEET 3 OF 3 1/16/2007

PLAN NO.	ID	RIM	SOURCE	COMMENTS
3	E05-053	ELEV=N/A	SURVEY-2006	
3	E05-054	ELEV=N/A	SURVEY-2006	
4	E05-055	ELEV=9.75	SURVEY 11/2006	REVISED RIM
4	E05-056	ELEV=6.55'	SURVEY 11/2006	REVISED RIM
4	E05-057	ELEV=9.27	SURVEY 11/2006	
4	E05-058	ELEV=9.96	SURVEY 11/2006	
4	E05-059	ELEV=11.07	SURVEY 11/2006	
4	E05-060	ELEV=11.09	SURVEY 11/2006	
4	E05-061	ELEV=10.93	SURVEY 11/2006	
4	E05-062	ELEV=7.82	SURVEY 11/2006	
5	E05-052	ELEV=8.20	SURVEY-2006	

ELECTRICAL STRUCTURES 6/1/2006

PLAN NO.	ID	RIM	SOURCE	COMMENTS
6	E06-005	ELEV=7.14	SURVEY-2006	
8	E06-001	ELEV=5.93	SURVEY-2006	
8	E06-002	ELEV=N/A	FROM 301-0039 E-306-1-A	NOT FOUND
8	E06-003	ELEV=6.91	SURVEY-2006	

PROJECT 301-0088 CDOT SURVEY DATA
NEW HAVEN RAIL YARD IMPROVEMENTS
GAS STRUCTURES SHEET 1 OF 1 6/1/2006

PLAN NO.	ID	RIM	SOURCE	COMMENTS
3	G05-004	ELEV=NA	SURVEY-2006	FROM FIELD EDIT
3	G05-005	ELEV=NA	SURVEY-2006	FROM FIELD EDIT
4	G05-001	ELEV=12.03	SURVEY-2006	
5	G05-002	ELEV=7.21	SURVEY-2006	
5	G05-003	ELEV=7.97	SURVEY-2006	

PROJECT 301-0088 CDOT SURVEY DATA
NEW HAVEN RAIL YARD IMPROVEMENTS
OIL/WATER SEPARATORS SHEET 1 OF 1 6/1/2006

PLAN NO.	ID	RIM	INVERTS	CONDITION	1997-ID	COMMENTS
3	OW01-001	R=10.80'		EXISTING	NONE	COULD NOT OPEN

OIL/WATER SEPARATORS 6/1/2006

PLAN NO.	ID	RIM	INVERTS	TYPE	OLD ID	COMMENTS
	OW02-001X	R=10.91'	MEASURE	MH	NONE	NEED TO MEASURE

OIL/WATER SEPARATORS 6/1/2006

PLAN NO.	ID	RIM	INVERTS	TYPE	OLD ID	COMMENTS
4	OW05-001	R=8.70'	6" IN=0.49' 6" OUT=0.35' SUMP=0.30'	MH	39	LOC 2006
4	OW05-002	R=7.13'	INV=1.51'	MH	NONE	INV FROM PLANS
4	OW05-003	R=8.00'	SUMP=3.84'	MH	42	LOC 2006
4	OW05-004	R=8.19'	SUMP=3.09'	MH	41	LOC 2006
4	OW05-006	R=8.68'	SUMP=4.17'	MH	155	LOC 2006
4	OW05-007	R=7.79'	6" INV=0.51'	MH	37	
4	OW05-008	R=8.98'	6" OUT=	MH	12	FILLED 1997
5	OW05-005	R=8.97'	ABANDONED	MH	356	

PROJECT 301-0088 CDOT SURVEY DATA
NEW HAVEN RAIL YARD IMPROVEMENTS
SANITARY SEWERS SHEET 1 OF 4 6/1/2006

PLAN NO.	ID	RIM	INVERTS	TYPE	CONDITION	COMMENTS
1	S01-001	R=10.71'	INV=7.27'	MH	EXISTING	NONE

SANITARY SEWERS 6/1/2006

PLAN NO.	ID	RIM	INVERTS	TYPE	OLD ID	COMMENTS
3	S02-001X	R=11.42'	NEED TO MEASURE	MH	NONE	NEED TO MEASURE
	S02-002X	R=10.89'	NEED TO MEASURE	MH	NONE	NEED TO MEASURE
	S02-003X	R=10.89'	NEED TO MEASURE	MH	NONE	NEED TO MEASURE

SANITARY SEWERS 6/1/2006

PLAN NO.	ID	RIM	INVERTS	TYPE	1997 ID	COMMENTS
1	S04-002	R=26.02'	8" IN=CAPPED 12" OUT=19.08'	MH	184	FORCE MAIN
1	S04-003	R=15.54'	INV=7.79'	MH	NONE	
1	S04-005	R=10.65'		MH	NONE	not opened. beg of line
1	S04-006	R=10.63'		MH	NONE	not opened. beg of line
1	S04-007	R=10.54'		MH	NONE	not opened. beg of line
1	S04-008	R=10.74'		MH	NONE	not opened. beg of line
1	S04-009	R=11.10'		MH	NONE	not opened. beg of line
1	S04-010	R=10.81		MH	NONE	not opened. beg of line
1	S04-011	R=10.81		MH	NONE	not opened. beg of line
1	S04-012	R=10.67		MH	NONE	not opened. beg of line
1	S04-013	R=10.65		MH	NONE	not opened. beg of line
1	S04-014	R=10.73	INV=5.18'	MH	NONE	
1	S04-015	R=10.72	INV=4.35'	MH	NONE	
1	S04-016	R=10.78'	INV=3.40'	MH	NONE	
1	S04-017	R=10.77'	INV=2.77'	MH	NONE	
1	S04-018	R=10.77'	INV=1.97'	MH	NONE	
1	S04-019	R=10.71'	INV=1.16'	MH	NONE	
1	S04-020	R=10.70'	W6" IN=4.87" INV=1.93'	MH	NONE	
1	S04-021	R=10.92'	W6" IN=5.34' INV=2.93'	MH	NONE	
1	S04-022	R=10.76'	INV=4.48'	MH	NONE	
1	S04-023	R=10.56		MH	22	
3	S04-004	R=8.56	INV=4.00	MH	NONE	
	S04-001	R=26.69'	12" IN=17.29' 24" INV=14.39'	MH	183	

PROJECT 301-0088 CDOT SURVEY DATA
NEW HAVEN RAIL YARD IMPROVEMENTS
SANITARY SEWERS SHEET 2 OF 4 6/1/2006

PLAN NO.	ID	RIM	INVERTS	TYPE	1997 ID	COMMENTS
1	S04-024	R=9.84	6" IN=5.34' 6" OUT=4.84' SUMP=4.59'	MH	NONE	
1	S04-025	R=8.77	INV=5.37	MH	21	
1	S04-026	R=10.96'	W6" IN=5.16' INV=3.80'	MH	NONE	
1	S04-027	R=10.65	INV=6.90	MH	NONE	OUTLET UNDER WATER
1	S04-028	R=13.17'	INV=7.17'	MH	NONE	
1	S04-029	R=11.64'	INV=6.44'	MH	22	
1	S04-030	R=6.62	INV=4.87'	MH	NONE	
1	S04-031	R=10.71'	INV=5.40'	MH	NONE	

SANITARY SEWERS 1/9/2007

PLAN NO.	ID	RIM	INVERTS	TYPE	OLD ID	COMMENTS
3	S05-002	R=7.63'	INV= -2.63'	MH	NONE	
4	S05-003	R=7.30'	INV=1.79'	MH	NONE	
3	S05-004	R=8.81'	INV=6.30'	MH	NONE	
3	S05-004	R=6.81	INV=6.30	MH	NONE	
4	S05-005	R=7.50'	INV= -0.02'	MH	NONE	
4	S05-006	R=7.83'	INV= -1.79'	MH	NONE	
4	S05-007	R=7.77'	INV= -2.13'	MH	NONE	
4	S05-008	R=8.59'	INV=2.14'	MH	40	
4	S05-009	R=7.02'	6" IN=2.71' 6" OUT=2.54'	MH	NONE	INV FROM PLANS 301-0081:20
3	S05-010	R=8.21	NONE	MH	NONE	CAN NOT OPEN
3	S05-010	R=8.21	NONE	MH	NONE	CAN NOT OPEN
3	S05-011	R=8.86'	BOTTOM=2.56'	MH	NONE	2' OF WATER FOUL ODER
4	S05-012	R=8.53'	BOTTOM=1.83'	MH	NONE	2' OF WATER FOUL ODER
5	S05-013	R=8.62'	INV= -0.87'	MH	NONE	
5	S05-014	R=8.98	ABANDONED	MH	79	FILLED WITH SAND
5	S05-015	R=8.04	INV=-5.74	MH	NONE	
5	S05-016	R=8.88'	INV= -3.12'	MH	NONE	
5	S05-017	R=9.15'	INV= 2.76'	MH	NONE	
5	S05-018	R=7.91'	SW IN=2.49' INV=1.32'	MH	NONE	
4	S05-019	R=7.75	INV=-1.46	MH	NONE	
4	S05-020	R=8.81'	INV=2.05'	MH	162	LOC 2006
4	S05-020	R=8.81	INV=2.05	MH	162	LOC 2006
5	S05-021	R=7.07'	INV=0.57'	MH	NONE	
5	S05-022	R=7.70'	INV=1.59'	MH	NONE	
5	S05-023	R=7.79'	INV=2.58'	MH	NONE	
4	S05-024	R=5.93'	INV=-2.37"	MH	726	
4	S05-025	R=8.19'	6" IN=4.56' 8" INV=3.91'	MH	13	ABANDONED ?
4	S05-026	R=7.37"	INV= -2.68'	MH	735	
4	S05-027	R=7.05'	INV= -3.13'	MH	737	
4	S05-028	R=7.95'	6" IN=1.74' INV=-3.63'	MH	734	6 FROM PLANS 301-0081.20'
5	S05-029	R=7.19	INV=-6.06	MH	740	
5	S05-030	R=8.04'	INV= -6.21'	MH	742	
5	S05-031	R=6.89'	INV= -0.81'	MH	NONE	
6	S05-032	R=8.04'	INV=2.59'	MH	NONE	

PROJECT 301-0088 CDOT SURVEY DATA
NEW HAVEN RAIL YARD IMPROVEMENTS
SANITARY SEWERS SHEET 3 OF 4 1/9/2007

PLAN NO.	ID	RIM	INVERTS	TYPE	OLD ID	COMMENTS
3	S05-047	R=8.74'	SW6" IN=5.11' SE4"IN=4.71' W6"IN=3.13' E6" OUT=3.05'	MH	NONE	
3	S05-047	R=8.74	SW6"IN=5.11 SE4"IN=4.71 W6"IN=3.13 E6"OUT=3.05	MH	NONE	
3	S05-050	R=8.12'	N 4" IN = 7.12' S8" OUT= 7.12'	MH ABANDONED	NONE	ABANDONED
3	S05-051	R=8.12'	E 4" =7.60' W 4"=6.02'	MH ABANDONED	NONE	ABANDONED
4	S05-037	R=8.04'	6" IN=2.94' 8" INV=2.77'	MH	43	NOT FOUND
4	S05-038X	R=7.66"	8" INV=1.96'	MH	38	NOT FOUND
4	S05-039X	R=7.75'	8" INV=2.01'	MH	36	NOT FOUND
4	S05-043X	R=NF		MH	NONE	NOT FOUND
4	S05-044	R=7.56'	12" INV=-4.09'	MH	733	LOC 2006
4	S05-045	R=7.22'	INV= -4.38'	MH	738	
4	S05-046X	R=NONE		MH	NONE	NOT FOUND FROM 301-0039 142C
4	S05-049	R=8.04'	6" INV=3.42'	MH	NONE	
5	S05-040X	R=N/A'	8" INV=1.18'	MH	81	NOT FOUND
5	S05-041X	R=8.43'	8" INV=0.46'	MH	82	NOT FOUND INVERT FROM 1949 ASBUILTS
5	S05-048	R=8.27'	6" INV=4.85'	MH	NONE	
5	S05-050	R=9.00	N/A	MH	NONE	PUMP
6	S05-033	R=8.01	INV=1.45	MH	NONE	
6	S05-034	R=10.82	N3"IN=5.62 N4"IN=2.62 NE4"IN=4.12 S4"IN=1.62 6"OUT=1.62	MH	83	NE 4" PLUGGED
6	S05-035	R=8.61	INV=5.38	MH	84	LOC 2006
6	S05-036X	R=8.21	N3"INV=5.16 S3"INV=5.06 SUMP=3.71	MH	NONE	FILLED WITH SILT

SANITARY SEWERS 6/1/2006

PLAN NO.	ID	RIM	INVERTS	TYPE	OLD ID	COMMENTS
8	S06-001X	R=7.57'	8" INV= 3.52'	MH	98	NOT FOUND
	S06-002	R=6.98'	SW8" IN= 2.40' SE8"IN = 2.60' NE8" OUT= 2.25'	MH	99	INVERTS SURVEY 1994
	S06-003	R=8.18	8"INV=3.47	MH	101	INVERT FROM 1994 SURVEY

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 3/29/2015

DESIGNER/DRAFTER: CONNDOT
CHECKED BY: CONNDOT

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: 20_GEDS_3010088_GS-014.dgn

SIGNATURE BLOCK: STATE OF CONNECTICUT CONTINUING EDUCATION LICENSED PROFESSIONAL ENGINEER

PARSONS BRINCKERHOFF
GLASTONBURY, CT

PROJECT TITLE:
NEW HAVEN RAIL YARD FACILITIES IMPROVEMENTS

TOWN: NEW HAVEN

DRAWING TITLE:
SCHEDULE OF EXISTING UTILITY STRUCTURES- 1

PROJECT NO. 301-0124
DRAWING NO. GS-014
SHEET NO. 12.08

3/29/2015 9:05:26 AM
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PROJECT 301-0088 CDOT SURVEY DATA
NEW HAVEN RAIL YARD IMPROVEMENTS
SANITARY SEWERS SHEET 4 OF 4 6/1/2006

PLAN NO.	ID	RIM	INVERTS	TYPE	1997 ID	COMMENTS
7	S08-020	R=6.76	N/A	MH	NONE	SEPTIC TANK
	S08-001	R=8.28	12"INV=1.27	MH	NONE	
	S08-002	R=8.01	12"INV=0.12	MH	NONE	
	S08-003	R=7.96	12"INV=-0.74	MH	NONE	
	S08-004	R=7.07	INV=-1.60	MH	NONE	INV FROM 92M531
	S08-005	R=8.62	INV=-2.49	MH	NONE	INV FROM 92M531
	S08-006	R=8.82		MH	NONE	
	S08-007	R=9.92		MH	NONE	
	S08-008	R=9.07	INV=-3.37'	MH	NONE	INV FROM92M531
	S08-009	R=8.70	24"INV=-3.82	MH	NONE	INV FROM 92M531
	S08-010	R=8.38	18"IN=-2.79 INV24"=-4.10	MH	NONE	INVS FROM 92M531
	S08-011	R=9.52	6"IN=6.31	MH	NONE	INV FROM 92M531
	S08-012	R=9.10	INV=-3.27	MH	NONE	INV FROM 92M531
	S08-013	R=10.40	6"IN=3.12 18"IN=6.07 18"OUT=-2.33	MH	NONE	INVS FROM 92M531
	S08-014	R=11.93	18"IN=-2.30 18"OUT=-2.40	MH	NONE	INVS FROM 92M531
	S08-015	R=10.38	15"IN=0.84 15"OUT=0.68	MH	NONE	INVS FROM 92M531
	S08-016	R=8.35	10"FLEX IN=1.15* 10"FLEX OUT =0.45* 8"IN=0.15 BOT= -0.25	MH	NONE	*TOP OF PIPE(TEMP CONNECTION)
	S08-017	R=8.21		MH	NONE	TO BE ABANDONED
	S08-018	R=7.81		MH	NONE	TO BE ABANDONED
	S08-019	R=7.85		MH	NONE	TO BE ABANDONED
	S08-021	R=8.56	INV=0.91	MH	NONE	
	S08-022	R=9.10	INV=2.80	MH	NONE	

SANITARY SEWERS 6/1/2006

PLAN NO.	ID	RIM	INVERTS	TYPE	OLD ID	COMMENTS
	S09-001	R=6.42	ABANDONED	MH	NONE	FILLED W/ CONC

PROJECT 301-0088 CDOT SURVEY DATA
NEW HAVEN RAIL YARD IMPROVEMENTS
STORM SEWERS SHEET 1 OF 18 6/1/2006

PLAN NO.	ID	RIM	INVERTS	TYPE	CONDITION	COMMENTS
1	D01-001	R=9.39'	12" IN=5.04' 15" OUT=4.98' SUMP=5.91'	CL CB	EXISTING	
3	D01-002	R=11.17'	8" IN=6.97' 8" OUT=6.96' SUMP=6.37'	MH	EXISTING	
3	D01-003	R=10.76'	8" IN=6.34' 8" OUT=6.34' SUMP=5.91'	MH	EXISTING	
3	D01-004	G=10.47'	8" IN=6.12' 12" OUT=5.82' SUMP=4.27'	CL-CB	EXISTING	

STORM SEWERS 6/1/2006

PLAN NO.	ID	RIM	INVERTS	TYPE	OLD ID	COMMENTS
3	D02-003X	R=11.07'	NEED INVERTS	MH	NONE	NEED MEASUREMENTS
8	D02-017	G=5.76'	12" OUT=2.41'	2X1-GRATE	NONE	
8	D02-018	G=5.85'	12' IN=2.03' 15" OUT=1.43'	MH	25A	
8	D02-019	G=5.85	15"IN=1.42' 15"OUT=1.40 SUMP= -0.70	C-CB	25	
	D02-004X	R=11.18'	NEED TO MEASURE	MH	NONE	NEED TO MEASURE
	D02-005X	R=10.92'	NEED TO MEASURE	MH	NONE	NEED TO MEASURE
	D02-007	G=9.81'	6" IN=6.61' 6" OUT=6.56' SUMP=5.66'	CL-CB	NONE	
	D02-008	G=10.24'	6" OUT=7.34' SUMP=6.04'	CL-CB	NONE	
	D02-009	G=8.95'	15" OUT=3.80' SUMP=1.25'	CL-CB	7	
	D02-010	R=8.83'	15" IN=3.38' 15" OUT=3.03' SUMP=3.01'	C-CB	6	
	D02-011	G=8.79'	15" IN=2.84' 15" OUT=5.08' 15" OUT=5.19' SUMP=1.29'	C-CB	5	SIPHON
	D02-012	R=9.14'	INACCESSIBLE	MH	4	CHAMBER
	D02-013	G=6.09'	15" IN=4.55' 15" IN=4.56' 15" OUT=4.31' SUMP=2.62'	CL-CB	2	
	D02-014	G=7.98'	INACCESSIBLE	C-CB	3	
	D02-015	G=8.58'	15" OUT=4.68' SUMP=2.94'	C-CB	1	
	D02-016	G=8.19'	15" OUT=6.10' SUMP=5.44'	C-CB	4	

PROJECT 301-0088 CDOT SURVEY DATA
NEW HAVEN RAIL YARD IMPROVEMENTS
STORM SEWERS SHEET 2 OF 18 6/1/2006

PLAN NO.	ID	RIM	INVERTS	TYPE	OLD ID	COMMENTS
3	D02-041	R=11.36	NO PIPES VISIBLE	MH	NONE	CHAMBER
6	D02-037	G=4.88'	36" IN= -4.42' 36" OUT= -4.45' SUMP= -4.47'	YARD DRAIN	NONE	EL TOP OF GRATE
8	D02-021	G=5.78'	8" OUT=3.83' SUMP= 1.98'	CL-CB	23	
8	D02-022	G=2.75'	24" IN= -5.25' 36" OUT= -6.45' SUMP= -7.75'	ROUND DRAIN	NONE	EL TOP OF GRATE
8	D02-023	G=2.55'	24" IN= -5.55' 24" OUT= -5.85' SUMP=-5.65'	ROUND DRAIN	NONE	EL TOP OF GRATE
8	D02-024	G=2.11'	24" IN= 24" OUT= SUMP= -5.84'	YARD DRAIN	NONE	PIPES NOT VISIBLE
8	D02-025	G=2.47'	SUMP= -5.63'	YARD DRAIN	NONE	PIPES NOT VISIBLE
8	D02-026	R=4.05	48"INV=-6.51 SUMP=-6.50	MH	766	
8	D02-027	R=4.86'	SUMP= -9.76'	MH	768	
8	D02-028	R=3.18	24"IN=N/A 36"IN=N/A 48"OUT=-5.84 SUMP=-6.61	ROUND DRAIN	767	
8	D02-030	R=4.86'	36" IN= -6.94' 48" IN= -6.51' 60" OUT= -7.04' SUMP= -9.08'	MH	765	
8	D02-031	R=3.30'	36" IN= -8.74' SUMP= -9.08'	MH	762	PARTICLE SEPERATOR
8	D02-032	R=3.20'	36" OUT= -8.84' SUMP= -9.30'	MH	761	PARTICLE SEPERATOR
8	D02-033	R=2.95'	36" IN= -8.93' 36" OUT= -8.95' SUMP= -9.56'	MH	764	
8	D02-034	R=1.04'	36" IN= -8.86' 24" IN= -5.28' 36" OUT= -8.86' SUMP= -7.30'	ROUND DRAIN	760	EL TOP OF GRATE
8	D02-035	G=0.97'	SUMP= -3.68'	YARD DRAIN	NONE	PIPES NOT VISIBLE
8	D02-036	R=11.48'	SUMP=0.00	MH	29	STORM CHAMBER
8	D02-038	R=4.58'	SUMP=-4.82'	YARD DRAIN	NONE	PIPES NOT VISIBLE
8	D02-039X	R=NF	INV =-4.23"*	YARD DRAIN	NONE	NEED TO LOCATE
8	D02-040X	R=NF	INV=-4.52"*	YARD DRAIN	NONE	NEED TO LOCATE

STORM SEWERS 6/1/2006

PLAN NO.	ID	RIM	INVERTS	TYPE	OLD ID	COMMENTS
8	D03-004	G=0.53'	36" IN= -6.60' 36"OUT= -6.55' SUMP=-6.79'	ROUND DRAIN	759	EL TOP OF GRATE
8	D03-001	R=0.76'	NONE	ROUND DRAIN	NONE	EL TOP OF GRATE
8	D03-002	G=0.31'	NONE	ROUND DRAIN	NONE	EL TOP OF GRATE

PROJECT 301-0088 CDOT SURVEY DATA
NEW HAVEN RAIL YARD IMPROVEMENTS
STORM SEWERS SHEET 3 OF 18 6/1/2006

PLAN NO.	ID	RIM	INVERTS	TYPE	OLD ID	COMMENTS
8	D03-006	G=1.08'	30"IN= -5.23' 30" OUT= -5.33' SUMP= -5.68'	ROUND DRAIN	757	EL TOP OF GRATE
8	D03-005	G=0.45'	30"IN= -6.92' 36"IN= -7.02' 36"OUT= -6.92' SUMP= -7.20'	ROUND DRAIN	758	EL TOP OF GRATE
8	D03-003	G=0.14'	NONE	ROUND DRAIN	NONE	EL TOP OF GRATE
9	D03-007	G=0.70'	30"IN= -5.50' 30" OUT= -5.70' SUMP= -5.74'	ROUND DRAIN	756	EL TOP OF GRATE
9	D03-010	G=0.22'	24"IN= -5.58' 30"OUT= -5.68' SUMP= -5.91'	ROUND DRAIN	755	EL TOP OF GRATE
9	D03-008	G=0.03'	NONE	ROUND DRAIN	NONE	EL TOP OF GRATE
9	D03-012	G=0.15'	16"IN= -4.45' 30"IN=NF 30"OUT= -5.07' SUMP= -5.25'	ROUND DRAIN	NONE	EL TOP OF DRAIN
9	D03-011	G=0.29'	16"OUT= -4.36' SUMP= -4.69'	ROUND DRAIN	NONE	EL TOP OF GRATE
9	D03-013	G=0.05'	24"IN= -5.55' 24"OUT= -5.76' SUMP= -5.90'	ROUND DRAIN	754	EL TOP OF GRATE
9	D03-014	G=0.33'	30"IN= -4.77' 30"OUT= -4.97' SUMP= -5.17'	ROUND DRAIN	NONE	EL TOP OF GRATE
9	D03-015	G=0.32'	16"IN= -5.05' 30"IN= -4.98' 30"OUT= -5.13' SUMP= -5.48'	ROUND DRAIN	NONE	EL TOP OF GRATE
9	D03-020	G=0.70'	16"IN= -4.60' 24"IN= -4.95' 30"OUT= -4.75' SUMP= -4.75'	ROUND DRAIN	NONE	EL TOP OF GRATE
9	D03-019	G=0.97'	16"OUT= -4.23' SUMP= -4.23'	ROUND DRAIN	NONE	EL TOP OF GRATE
9	D03-018	R=N/A		ROUND DRAIN	NONE	UNDER PLATFORM
9	D03-025	R=2.06'	NO PIPES VISIBLE	MH	NONE	FILLED WITH WATER
9	D03-022	R=N/A		ROUND DRAIN	NONE	UNDER PLATFORM
9	D03-021	G=1.29'	24"IN= -4.92' 24"IN= -4.91' 24"OUT= -4.92' SUMP= -5.01'	ROUND DRAIN	753	EL TOP OF GRATE
10	D03-023	G=0.44'	16"OUT= -4.31' SUMP= -4.61'	ROUND DRAIN	NONE	EL TOP OF GRATE
10	D03-024	G=0.69'	16"IN= -4.91' 24"IN=NF 24"OUT= -4.98' SUMP= -5.11'	ROUND DRAIN	NONE	EL TOP OF GRATE

PROJECT 301-0088 CDOT SURVEY DATA
NEW HAVEN RAIL YARD IMPROVEMENTS
STORM SEWERS SHEET 4 OF 18 6/1/2006

PLAN NO.	ID	RIM	INVERTS	TYPE	OLD ID	COMMENTS
9	D03-009	G=0.84'	16"OUT= -3.79' SUMP= -3.89'	YARD DRAIN	NONE	
9	D03-016					NO INFO
9	D03-022					NO INFO
9	D03-038					NO INFO
10	D03-029	G=0.48'	16"IN= -4.62' 24"IN= -4.86' 24"OUT= -4.96' SUMP= -5.26'	ROUND DRAIN	NONE	EL TOP OF GRATE
10	D03-030	G=0.57'	16"OUT= -5.20' SUMP= -5.23'	ROUND DRAIN	NONE	EL TOP OF GRATE
10	D03-027	G=0.32'	24"IN= -5.08' 24"OUT= -5.08' SUMP= -5.14'	ROUND DRAIN	751	EL TOP OF GRATE
10	D03-028	G=1.24'	24"OUT= -5.08' SUMP= -5.51'	ROUND DRAIN	750	EL TOP OF GRATE
10	D03-026	R=1.48'	24"IN= -4.73' 24"OUT= -5.52' SUMP= -5.67'	MH	752	
10	D03-016	R=N/A		ROUND DRAIN	NONE	NOT FOUND
10	D03-031	G=0.39'	24"IN= -5.26' 24"OUT= -5.36' SUMP= -5.81'	ROUND DRAIN	NONE	EL TOP OF GRATE
10	D03-032	R=2.73'	NONE	MH	NONE	
10	D03-034	G=1.41'	16"IN= -3.99' 24"IN= -4.09' 24"OUT= -4.19' SUMP= -4.29'	ROUND DRAIN	NONE	
10	D03-035	NEED EL & LOC	NONE	ROUND DRAIN	NONE	
10	D03-033	G=0.65'	24"IN= -4.30' 24"OUT= -4.20' SUMP= -4.45'	ROUND CB	NONE	EL TOP OF GRATE
10	D03-33A	R=3.29'	24"IN= -4.23' 24"OUT= -4.51' SUMP= -4.81'	MH	NONE	
	D03-036	NEED EL & LOC		ROUND DRAIN	NONE	
	D03-037	NEED EL & LOC		MH	NONE	

STORM SEWERS 6/1/2006

PLAN NO.	ID	RIM	INVERTS	TYPE	1997 ID	COMMENTS
1	D04-001	G=16.94'	12" OUT=14.09' SUMP=12.36'	C-CB	NONE	
1	D04-002	G=16.91'	12" IN=13.61' 12" OUT=13.11' SUMP=12.31'	C-CB	NONE	
1	D04-003	G=9.95'	12" IN=6.75' 12" OUT=6.65' SUMP=5.61'	C-CB	NONE	
1	D04-004	G=9.79'	12" IN=6.60' 12" OUT=6.55' SUMP=5.60'	C-CB	NONE	

PROJECT 301-0088 CDOT SURVEY DATA
NEW HAVEN RAIL YARD IMPROVEMENTS
STORM SEWERS SHEET 5 OF 18 6/1/2006

PLAN NO.	ID	RIM	INVERTS	TYPE	1997 ID	COMMENTS
1	D04-005	G=9.73'	12" IN=6.23' 12" OUT=6.18' SUMP=5.20'	CL-CB	NONE	
1	D04-006	R=10.71'	E12" IN=5.29' S12" IN=5.29 N12" OUT=5.29' SUMP=4.26'	MH	NONE	
1	D04-007	G=9.80'	12" IN=5.00' 12" OUT=4.00' SUMP=3.05'	CL-CB	NONE	
1	D04-008	R=10.40'	12" IN=NOT VISIBLE 12" OUT=3.28' SUMP=3.28'	MH	759	
1	D04-009	R=9.71'	12" IN=2.21' 24" IN=-1.46' 24" OUT=-1.53' SUMP=-1.82'	MH	758	
1	D04-010	R=10.62'	24" IN=-0.05' 30"OUT=-8.84' SUMP=-11.85'	MH	NONE	
1	D04-011	R=11.44'	LOCKED	MH	NONE	CHAMBER
1	D04-012	R=9.99'	30" IN=3.13' 30"OUT=2.97' SUMP=2.24'	MH	753	
1	D04-013	R=11.82'	30" OUT=3.23' SUMP=3.20'	MH	NONE	CHAMBER
1	D04-014	R=11.77'	CHAMBER	MH	NONE	LABELED STR CHAMBER #1
1	D04-015	R=10.77'	12" IN=3.82' 12" OUT=4.92'	MH	NONE	CHAMBER
1	D04-016	R=10.77'	CHAMBER	MH	760	
1	D04-017	G=20.35'	12" IN=16.41' 12" OUT=16.41' SUMP=14.55'	C-CB	NONE	
1	D04-018	R=20.35'	12" OUT=16.98' SUMP=14.95'	C CB	NONE	
1	D04-019	G=15.93'	12" IN=10.93' 12" OUT=10.88' SUMP=8.56'	C-CB	NONE	
1	D04-020	G=16.32'	N12" IN=9.22' NW12" IN=9.17' 12" OUT=7.77' SUMP=5.57'	C-CB	NONE	
1	D04-021	G=16.02'	6" PVC IN 12" OUT=9.76' SUMP=7.87'	C-CB	NONE	6" PVC NOT VISIBLE
1	D04-022	G=15.19'	12" IN=12.19' 12" OUT=10.69' SUMP=8.80'	C-CB	NONE	
1	D04-023	R=11.94'		MH	NONE	
1	D04-025	R=11.14'	N12" IN=5.84' SW12" IN=5.99' 15" OUT=4.12' SUMP=1.89'	C-CB	NONE	
	D04-024	R=12.01'	8" IN=4.06' SUMP=-0.04'	MH	NONE	

PROJECT 301-0088 CDOT SURVEY DATA
NEW HAVEN RAIL YARD IMPROVEMENTS
STORM SEWERS SHEET 6 OF 18 6/1/2006

PLAN NO.	ID	RIM	INVERTS	TYPE	1997 ID	COMMENTS
1	D04-026	G=10.88'	12" IN=6.63' 12" OUT=6.63' SUMP=4.43'	CL-CB	NONE	
1	D04-027	G=10.88'	12" OUT=7.13' SUMP=4.63'	C-CB	NONE	
1	D04-028	G=10.39'	12" OUT=6.65' SUMP=4.07'	C-CB	NONE	
1	D04-029	G=12.15'	NW12" IN=5.71' S12" IN=4.97' NE12" IN=4.26' 12" OUT=5.15' SUMP=3.65'	C-CB	NONE	OUTLET HIGHER THAN INLETS
1	D04-030	R=12.68'	8" IN=4.87' 12" OUT=4.32' SUMP=0.73'	MH	NONE	
1	D04-031	R=12.68'		MH	NONE	UNABLE TO OPEN
1	D04-032	R=10.62'	N6" IN=8.99' S6" IN=8.99' W6" IN=8.19' 12" OUT=6.52' SUMP=6.22'	MH	NONE	
1	D04-033	R=10.66'	15" IN=2.96' 8" IN=4.51' 15" OUT=2.94' SUMP=2.06'	MH	NONE	
1	D04-034	G=10.67'	12" OUT=6.67' SUMP=5.82'	CL-CB	NONE	
1	D04-035	R=10.81'	12" IN=4.86' 15" IN=2.21' 18" OUT=2.16' SUMP=1.51'	MH	NONE	
1	D04-037	R=10.67'	18" IN=1.17' 24" IN=-0.33' 24" OUT=-0.38' SUMP=-0.98'	MH	NONE	
1	D04-038	R=10.72'	8" IN=4.10' 12" N=2.17' 18" IN=0.22' 24" OUT=0.01' SUMP=-0.18'	MH	NONE	
1	D04-039	R=10.66'	12" IN=3.16' 15" IN=4.62' 15" OUT=3.28' SUMP=2.83'	MH	NONE	
1	D04-041	R=10.74'	8" IN=4.89' 12" IN=3.53' 15" IN=0.97' 18" OUT=0.89' SUMP=0.62'	MH	NONE	
1	D04-042	R=10.80'	8" IN=4.90' 12" IN=3.20' 15 IN=2.03' 15" OUT=1.70' SUMP=1.41"'	MH	NONE	
1	D04-044	R=9.72'	12" OUT=5.37' SUMP=3.22'	CL-CB	NONE	

PROJECT 301-0088 CDOT SURVEY DATA
NEW HAVEN RAIL YARD IMPROVEMENTS
STORM SEWERS SHEET 7 OF 18 6/1/2006

PLAN NO.	ID	RIM	INVERTS	TYPE	1997 ID	COMMENTS
1	D04-045	R=10.77'	8" IN=4.98' 12" IN=3.72' 15" N=3.10' 15" OUT=2.82' SUMP=2.67'	MH	NONE	
1	D04-050	R=9.24'	E8" IN=5.00' W8" IN=4.47' N8" OUT=4.47' SUMP = 4.40'	MH	58	
1	D04-061	R=10.06'	NA	MH	151	VALVE FOUND 1997
1	D04-064	R=10.62'	NW12" IN=3.64' W12" IN=4.36' 15" OUT=2.89' SUMP=2.69'	MH	NONE	
1	D04-065	R=NONE	NEED TO OPEN	MH	NONE	
2	D04-055	R=8.93'	30" IN=2.69' 30" OUT=2.86' SUMP=2.16'	MH	722	
2	D04-056	R=8.88'	15" IN=2.96' 30"IN=2.40' 36"OUT=2.32' SUMP=2.11'	MH	721	
2	D04-057	R=8.11	36"IN=2.11 29"X45"OUT =2.11 SUMP=1.51	MH	NONE	
2	D04-058	G=5.55'	15" OUT=3.05' SUMP=1.15'	Dbl CL-CB	724	
2	D04-059	R=9.51'	NA	MH	NONE	BOLTED SHUT
2	D04-060	R=11.10'	NA	MH	NONE	BOLTED SHUT
3	D04-046	R=10.70'	15" IN=3.50' 15" OUT=3.65' SUMP=3.41'	MH	NONE	
3	D04-048	R=9.22'	18" OUT=2.52' SUMP=1.22'	MH	NONE	CHAMBER
3	D04-049	G=8.58'	15" IN=5.05' 18" OUT=4.95' SUMP=4.88'	CL-CB	29	
3	D04-051	R=9.17'	NONE	MH	NONE	ABANDONED CHAMBER
3	D04-052	R=8.79'	SUMP=1.79'	MH	NONE	CHAMBER, NO PIPES VISIBLE
3	D04-053	R=9.05'	30" OUT=2.10' SUMP=0.77'	MH	NONE	NO OTHER PIPES VISIBLE
3	D04-054	R=8.51'	SUMP=0.82'	MH	NONE	CHAMBER; NO PIPES VISIBLE
3	D04-062	R=9.86'	NA	MH	NONE	PUMP STATION
3	D04-063	R=8.61'	NA	MH	57	ABANDONED
	D04-047	R=10.89'	8" IN=4.74' 8" IN=4.69' 15" OUT & SUMP=4.14'	MH	27	
				MH	NONE	
				MH	NONE	

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 3/29/2015

DESIGNER/DRAFTER: CONNDOT
CHECKED BY: CONNDOT

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: 20_GEDS_3010088_GS-015.dgn

SIGNATURE BLOCK: PARSONS BRINCKERHOFF GLASTONBURY, CT

PROJECT TITLE: NEW HAVEN RAIL YARD FACILITIES IMPROVEMENTS

TOWN: NEW HAVEN

DRAWING TITLE: SCHEDULE OF EXISTING UTILITY STRUCTURES- 2

PROJECT NO. 301-0124
DRAWING NO. GS-015
SHEET NO. 12.09

3/29/2015 9:05:44 AM
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PROJECT 301-0088 CDOT SURVEY DATA
NEW HAVEN RAIL YARD IMPROVEMENTS
STORM SEWERS SHEET 8 OF 18 6/1/2006

PLAN NO.	ID	RIM	INVERTS	TYPE	1997 ID	COMMENTS
3	D05-001	R=11.25'	8" IN=6.15' 12" IN=5.74' 12" OUT=5.74' SUMP=5.40'	MH	NONE	
3	D05-002	R=11.28'	8" IN=6.64' 12" OUT=8.45' SUMP=6.13'	MH	NONE	
3	D05-003	R=11.29'	12" IN=5.54' 12" IN=5.31' 12" OUT=5.29' SUMP=5.09'	MH	NONE	
3	D05-004	R=11.01'	8" IN=6.23' 8" IN=6.48' 12" OUT=8.08' SUMP=5.83'	MH	NONE	
3	D05-005	R=8.74'	15" IN=4.89' 15" OUT=4.79' SUMP=4.39'	MH	NONE	
3	D05-006	R=8.53'	15" IN=5.18' 15" OUT=5.18' SUMP=4.73'	MH	NONE	
3	D05-007	G=8.45"	15" IN=4.90' 15" OUT=4.85' SUMP=2.53'	CL-CB	NONE	
3	D05-008	R=8.76'	SUMP=3.06'	MH	NONE	CHAMBER PIPES INACCESSIBLE
3	D05-009	G=8.78'	NONE	CL-CB	NONE	FILLED TO THE TOP WITH SAND
3	D05-010	R=8.79'	8" = PLUGGED 15" OUT=4.89' SUMP=3.59'	MH	129	NO FIELD BOOK LISTED 1997
3	D05-011	R=8.78'	8" IN=4.63' E15" IN=4.58' W15" IN=4.63' (2)-15" OUT=4.63' SUMP=3.78'	MH	130	NO FIELD BOOK LISTED 1997
3	D05-012	R=8.81"	15" IN=5.26' 15" OUT=5.21' SUMP=4.61'	MH	131	
3	D05-013	R=8.76'	6" IN=5.51' 2" IN=6.79' 6" OUT=4.44' SUMP=4.57'	MH	152	FILLED 2005
3	D05-014	R=7.35'	INV=1.56' SUMP=0.50'	MH	#717	
3	D05-016	R=9.25'	15" IN=6.50' 15" OUT=6.48' SUMP=5.65'	MH	133	
3	D05-017	R=8.75'	15" IN=5.85' 15" OUT=5.80' SUMP=4.75'	MH	134	
4	D05-015	R=7.15'	INV=1.25'	MH	#713	
4	D05-018	R=7.90'	45" IN=1.82' 45"OUT=1.72' SUMP=0.55'	MH	NONE	

PROJECT 301-0088 CDOT SURVEY DATA
NEW HAVEN RAIL YARD IMPROVEMENTS
STORM SEWERS SHEET 9 OF 18 6/1/2006

PLAN NO.	ID	RIM	INVERTS	TYPE	1997 ID	COMMENTS
3	D05-022	R=8.88'	8"IN=PLUGGED/P LAP VALVE 8" OUT=1.53' SUMP= 1.40'	MH	135	
3	D05-024	R=8.85'	8" IN=1.05' 8" OUT=1.05' SUMP=0.75'	MH	136	
3	D05-035	R=8.87'	6" IN=0.56' 6" OUT=0.46' SUMP=0.22'	MH	137	LOC 2005
4	D05-019	R=7.82'	45" IN=1.12' 60" OUT=1.42' SUMP=0.02'	MH	NONE	COULD NOT SEE OUTLET MEASURED TO TOP OF H2O
4	D05-020	R=7.65'	SUMP= -0.03'	MH	723	CHAMBER NO VISIBLE PIPES
4	D05-021	G=6.93'	15" OUT=4.21"	CL-CB	NONE	OUT FROM PLANS 301-0081:20
4	D05-023	G=6.72'	15" IN=3.52' 15" OUT=3.50' SUMP=-0.58'	CL-CB	NONE	
4	D05-025	R=6.90'	(2)15"IN=3.51' 18" OUT=2.14'	MH BOLTED SHUT	NONE	INV FROM PLANS 301-0081:20
4	D05-026	R=6.85'	18" IN=1.20' 60" IN=0.63' 60" OUT=0.85' SUMP= -0.15'	MH	727	
4	D05-027	R=9.96'	W12" IN=2.51' E12" IN=4.72' 15" OUT=2.31'	MH BOLTED SHUT	NONE	INV FROM PLANS 301-0081:20
4	D05-028	R=10.41'	IN=5.67' 12" OUT=5.50'	MH	NONE	INV FROM PLANS 301-0081:20
4	D05-029	R=10.04'	60" IN=0.34' 54" OUT= NF SUMP=0.14'	MH	736	OUT NOT VISIBLE
4	D05-030	R=8.60'	SUMP=0.00'	MH	728	PIPES NOT VISIBLE
4	D05-031	R=8.83'	BENCH=1.63' MID CHANNEL=0.29' CHANNEL OUT=0.03'	MH	748	JUNCTION BOX
4	D05-032	G=7.73'	BENCH=2.13' BOTTOM=0.05'	CLCB	749	CHAMBER
4	D05-033	G=7.34'	15" OUT=3.11' SUMP= -0.51'	CLCB	749A	
4	D05-034	R=8.54'	60" IN=0.54' OUT=0.44' BOTTOM=0.20'	MH	126	
4	D05-036	R=8.44'	24" IN=0.38' 24" OUT=0.33'	MH	349	
4	D05-037	R=8.85'	BOTTOM=0.34'	MH	751	CHAMBER
4	D05-038	R=8.07'	BOTTOM=0.07'	MH	752	CHAMBER
4	D05-039	G=6.49'	12" IN=1.94' 15" OUT=1.77' SUMP= -0.36'	CLCB	729	
5	D05-041	G=7.16'	6" OUT=4.78'	CLCB	45	
5	D05-042	R=8.32'	INV= -0.57'	MH	73	HAVEN 5

PROJECT 301-0088 CDOT SURVEY DATA
NEW HAVEN RAIL YARD IMPROVEMENTS
STORM SEWERS SHEET 10 OF 18 6/1/2006

PLAN NO.	ID	RIM	INVERTS	TYPE	1997 ID	COMMENTS
6	D05-043	G=7.87'	6" IN=5.61' 12" OUT=3.82' SUMP=3.71'	CLCB	46	LOC 2006
6	D05-044	G=7.72'	6" IN=5.08' 12" IN=3.50' 12" OUT=4.50' SUMP=4.41'	CLCB	48	LOC 2006
6	D05-045	G=7.66"	6" IN=4.07' 12" IN=3.27' 12" OUT=2.67' SUMP=2.60'	CLCB	49	LOC 2006
6	D05-046	G=7.56"	6" IN=4.39' 12" IN=1.98' 12" OUT=1.82' SUMP=1.70'	CLCB	50	LOC 2006
6	D05-047	R=7.68"	12" IN=1.97' EAST & WEST FLOOR = -0.80'	MH	51	LOC 2006
6	D05-048	R=6.34'	FLOOR= -1.40'	MH	88	24 NOT VISIBLE"
6	D05-061	G=6.97'	15" IN=2.85' 15" OUT=2.26' SUMP=0.84'	CLCB	520	LOC 2006
6	D05-062X	G=6.77'	SHELF=5.47 TO MH	CCB	521	INLET UNDER SHELF
6	D05-063	R=7.42'	SW15" IN=1.63' NW15" IN=1.08' 15" OUT=0.93'	MH	522	LOC 2006
7	D05-049	G=10.28"	15" OUT=7.17" SUMP=3.58'	CLCB	NONE	
7	D05-050	G=10.06'	15" IN=6.07' 15" OUT=6.07' 18" OUT=6.02' SUMP=4.17'	CLCB	NONE	
7	D05-051	R=10.10'	15" IN=4.80' BOTTOM=-1.92'	MH	NONE	PARTICLE SEPERATOR
7	D05-053	R=8.22'	18 " IN=4.62' 18" OUT=0.32' SUMP=0.72'	MH	NONE	SUMP HIGHER THAN OUTLET
7	D05-054	G=10.09'	15" OUT=7.17" SUMP=3.58'	CLCB	NONE	
7	D05-055	G=10.05'	15" IN= 5.91" 15" OUT= 5.76' 18" OUT= 5.81' SUMP=2.75'	CLCB	NONE	
7	D05-056	R=10.13'	15" IN= N/A BOTTOM= -1.36'	MH	NONE	PARTICLE SEPERATER
7	D05-057	R=10.43'	15" IN= 5.34' 18' IN= 5.23' 18" OUT=5.14' SUMP=4.93	MH	NONE	
7	D05-058	R=9.79'	18" IN=3.24' 24" OUT=0.24' SUMP=0.14'	MH	NONE	
7	D05-059	G= BURIED	NEVER MEASURED	MH	587	NOW BURIED
7	D05-060	R= BURIED	NEVER OPENED	MH	586	NOW BURIED

PROJECT 301-0088 CDOT SURVEY DATA
NEW HAVEN RAIL YARD IMPROVEMENTS
STORM SEWERS SHEET 11 OF 18 6/1/2006

PLAN NO.	ID	RIM	INVERTS	TYPE	1997 ID	COMMENTS
5	D05-078	R=7.00'	18" IN=0.00' 66" IN= -0.64' 66" OUT= -0.64' SUMP= -0.84'	MH	72	INVERTS FROM PLANS 92-58
5	D05-079	R=8.90'	66" IN=-0.09' 48" X 76" IN =1.98' BOTTOM= -0.66'	MH	92	INVERTS FROM CITY PLANS
5	D05-080	R=7.54'	BOTTOM=0.00'	MH	121	
5	D05-081	G=6.61'	12" IN=3.87' 18OUT=3.83 SUMP=2.13'	CLCB	128	
5	D05-082	R=8.48'	18" IN=2.78' INV 48" X 76" =2.58'	MH	122	
5	D05-083	R=8.48'	18" IN=2.26' INV 48" X 76"=1.59'	MH	123	
5	D05-084	R=8.30'	18" IN=1.95' 48" X 76" INV=1.39'	MH	124	
7	D05-064	G=6.66'	15" OUT=2.81' SUMP=0.61'	CLCB	524	LOC 2006
7	D05-065	R=6.00'	SHELF IN = 4.20' N15" IN=1.84' NW15" IN=0.63' 12" IN=0.91' 24" OUT=0.18' SUMP=0.80'	MH	519	LOC 2006
7	D05-066	G=5.28'	SHELF OUT=4.30'	CCB	518	LOC 2006
7	D05-067	G=5.66'	12" OUT=2.25' SUMP=0.80'	CLCB	516	LOC 2006
7	D05-068	G=5.06'	SHELF OUT=3.76'	CCB	514	LOC 2006
7	D05-069	R=5.61'	SHELF IN = 3.70' 24" IN=0.09' 24" OUT=-0.05'	MH	515	LOC 2006
7	D05-070	R=6.08'	12" OUT=1.31' SUMP= -0.12'	CLCB	525 NG	LOC 2006
7	D05-071	R=6.83'	12" IN=0.46' 24" IN= -0.19' 24" OUT= -0.31'	MH	513	LOC 2006
7	D05-072	R=6.22'	SHELF IN=4.30' 12" IN= -0.44' 24" IN= -0.53' 30" OUT= -0.73' SUMP= -0.88'	MH	NONE	MISSED IN 1997
7	D05-073	G=5.64'	SHELF OUT=4.38'	CCB	511	REMEASURED 2006
7	D05-075	R=6.01'	4' X 6' IN= -2.37' 4' X 6' OUT= -2.46'	MH	473	LOC 2006
7	D05-076	G=5.05'	15" OUT=1.89' SUMP=0.17'	CCB	478	LOC 2006
7	D05-077	G=4.95'	15" IN= -0.34' 4' X6' IN= -2.39' 4' X 6' OUT= -2.44'	CCB	479	LOC 2006

PROJECT 301-0088 CDOT SURVEY DATA
NEW HAVEN RAIL YARD IMPROVEMENTS
STORM SEWERS SHEET 12 OF 18 6/1/2006

PLAN NO.	ID	RIM	INVERTS	TYPE	1997 ID	COMMENTS
4	D05-100X	R=NF	NONE	MH	NONE	NEVER CONSTRUCTED?
4	D05-106	R=8.35'	42"=0.56 W18"IN=0.56 30"IN=0.80' OUT=0.56'	MH	10	
5	D05-085	R=8.28'	48" X 76" IN=1.19' 60" OUT=1.02'	MH	125	
5	D05-086X	R=N/A	INV= -1.09'	MH	76	NEVER FOUND
5	D05-087X	R=5.66'	18" INV=0.36'	MH	71	
5	D05-088X	R=5.66'	18" INV=0.56'	MH	70	
5	D05-089X	R=5.66'	18" INV=0.81'	MH	69	
5	D05-090X	R=6.24'	18" INV=1.16'	MH	67	INV FROM PLANS 92 58
5	D05-091X	R=6.91'	18" INV=1.36'	MH	66	INV FROM PLANS 92 58
5	D05-092X	R=N/A	18" INV=1.26'	MH	64	
5	D05-093X	R=7.07'	18" IN=1.83' 18" OUT=1.72' SUMP=1.07'	MH	63	
5	D05-094X	R=7.81'	18" INV=2.01'	MH	62	
5	D05-095X	R=N/A	NONE	MH	65	
5	D05-101X	R=NF	NONE	MH	NONE	NEVER CONSTRUCTED?
5	D05-102X	R=NF	NONE	MH	NONE	NEVER CONSTRUCTED?
5	D05-103X	R=7.06'	8" IN=1.35' 12" IN=3.66' 18" OUT=1.96' SUMP=1.16'	MH	68	
5	D05-104X	G=5.56'	12" OUT=3.86' SUMP=1.36'	CLCB	74	
5	D05-108	R=9.04	N/A	MH	NONE	ABANDONED
5	D05-108	R=NA	UNABLE TO OPEN	3X3 STEEL SQ.	NONE	LOCKED
5	D05-109	R=7.42	S6"IN=5.64 SW6"IN=5.02 12"OUT=4.72 SUMP=3.18	CLCB	NONE	
5	D05-110	R=7.27	SW12"IN=4.38 S12"IN=3.59 18"OUT=3.39 SUMP=2.37	CLCB	NONE	
5	D05-111	R=11.49'	NA	MH & PUMP	NONE	TEMP HOOKUP ONLY
6	D05-096	R=5.67'	24" OUT=-4.03' SUMP=-4.33'	YARD DRAIN	NONE	
6	D05-097	R=4.42'	E24"IN= -4.23' W24"IN= -4.08' SUMP= -4.28'	YARD DRAIN	NONE	36"OUT NOT VISIBLE
6	D05-098	R=5.03	SUMP= -3.27'	YARD DRAIN	NONE	PIPES NOT VISIBLE
6	D05-099	R=5.32	SUMP= -3.68'	YARD DRAIN	NONE	PIPES NOT VISIBLE
7	D05-105	R=6.04'	IN= -2.37' OUT= -2.46'	MH	472	LOC 2006
7	D05-107	R=6.56' *	INV=-0.35'	MH	161	RIM & INV TAKEN FROM RR AS-BUILTS 1949

PROJECT 301-0088 CDOT SURVEY DATA
NEW HAVEN RAIL YARD IMPROVEMENTS
STORM SEWERS SHEET 13 OF 18 6/1/2006

PLAN NO.	ID	RIM	INVERTS	TYPE	1997 ID	COMMENTS
5	D05-112	R=7.4'+	W 4" IN = 6.0'+- E 4" OUT = 6.0'+-	LINE DRAIN	NONE	FLOW DESTINATION UNKNOWN
5	D05-113	R=8.5'+	W 4" OUT = 7.2'+-	LINE DRAIN	NONE	FLOW DESTINATION UNKNOWN
5	D05-114	R=7.05	8"IN=4.46 18"OUT=4.10 SUMP=2.33	CLCB	NONE	
5	D05-115	R=7.64	12"=4.97 15"OUT=4.94 SUMP=3.59	CLCB	NONE	

STORM SEWERS 6/1/2006

PLAN NO.	ID	RIM	INVERTS	TYPE	OLD ID	COMMENTS
6	D06-001X	R=6.66'	NOT MEASURED	CLCB	NONE	NEED TO MEASURE
6	D06-002	G=7.12'	SHELF OUT= 5.32'	CCB	523	INCORRECT 1997
6	D06-003X	R=7.47'	SHELF IN= 5.30' 12" IN= NONE 15" OUT=1.92'	MH	NONE	
6	D06-005X	G=4.39'	NEED TO MEASURE	YARD DRAIN	NONE	TOP OF DOME
6	D06-006X	G=4.06'	INV= -4.22' *	YARD DRAIN	NONE	*301-0064 SHEET 17
6	D06-007X	G=3.65'	INV= -4.19' *	YARD DRAIN	NONE	*301-0064 SHEET 17
6	D06-008X	G=3.61'	NEED TO MEASURE	YARD DRAIN	NONE	TOP OF DOME
6	D06-009X	G=2.89'	NEED TO MEASURE	YARD DRAIN	NONE	TOP OF DOME
6	D06-010X	G=4.27'	NEED TO MEASURE	YARD DRAIN	NONE	TOP OF DOME
6	D06-011X	G=3.45'	NEED TO MEASURE	YARD DRAIN	NONE	TOP OF DOME
6	D06-012X	G=2.82'	NEED TO MEASURE	YARD DRAIN	NONE	TOP OF DOME
6	D06-020X	R= 7.59'	INACCESSABLE	YARD DRAIN	NONE	TOP OF DOME
6	D06-021X	R=NF	INV= -4.48'	YARD DRAIN	NONE	NEED TO LOCATE
7	D06-018X	R=9.35'	42" = -4.36'	MH NF	120	PIPE SLEEVED
8	D06-013X	G= 2.96'	NEED TO MEASURE	YARD DRAIN	NONE	TOP OF DRAIN
8	D06-014X	R=4.66'	INV 42" = -3.98'	MH	770 (92-412)	PIPE SLEEVED
8	D06-015X	R=5.00'	NA	MH ABANDONED	110	PIPE SLEEVED
8	D06-019X	R=6.32'	24"IN= -2.08 24"OUT= -2.08	YARD DRAIN	NONE	TOP OF DOME
	D06-004X	G=4.93'	INV= -3.88' *	YARD DRAIN	NONE	*301-0064 SHEET 17
	D06-016	R=3.30'	42" INV= -2.92'	MH	118	PIPE SLEEVED
	D06-017X	R=5.77'	42" = -3.63'	MH NF	119	PIPE SLEEVED

PROJECT 301-0088 CDOT SURVEY DATA
NEW HAVEN RAIL YARD IMPROVEMENTS
STORM SEWERS SHEET 14 OF 18 6/1/2006

PLAN NO.	ID	RIM	INVERTS	TYPE	OLD ID	COMMENTS
8	D06-022X	R=7.25	INV= -0.70' *	MH	NONE	NEED TO MEASURE
8	D06-023X	G=5.24'	12" IN= -1.85' * 24" INV= -4.86' *	YARD DRAIN	NONE	NEED TO MEASURE

STORM SEWERS 6/1/2006

PLAN NO.	ID	RIM	INVERTS	TYPE	1997 ID	COMMENTS
	D08-001	G=10.24	15"OUT=4.28" SUMP=-1.46	C-CB	NONE	*TOP OF GAS BELL
	D08-002	R=10.78	SW15"IN=1.38 INV=-0.52	MH	NONE	NE15"IN NOT VISIBLE
	D08-003	G=10.43	15"OUT=4.63" SUMP=-1.47	DBL C-CB	NONE	*TOP OF GAS BELL
	D08-004	G=6.76	15"IN=2.64 15"OUT=1.89 SUMP=-2.24	C-CB	NONE	
	D08-005	G=6.64	8"IN=3.54 15"OUT=3.59 SUMP=2.04	C-CB	NONE	
	D08-006	G=6.17	15"OUT=3.85* SUMP=-1.98	C-CB	NONE	*TOP OF GAS BELL
	D08-007	G=6.28	15"IN=2.15 15"OUT=3.38* SUMP=-2.52	C-CB	NONE	*TOP OF GAS BELL
	D08-008	G=6.10	15"OUT=3.39 SUMP=2.00	C-CB	NONE	
	D08-009	G=8.49		CL-CB	NONE	
	D08-010	G=6.04	18"IN=2.34 18"OUT=4.24* SUMP=-2.18	C-CB	NONE	*TOP OF GAS BELL
	D08-011	G=6.06	18"IN=-2.23 24"OUT=4.20* SUMP=-2.14	C-CB	NONE	*TOP OF GAS BELL
	D08-012	G=6.07	15"IN=2.51 18"OUT=4.17* SUMP=-2.13	C-CB	NONE	*TOP OF GAS BELL
	D08-013	G=6.30	15"OUT=4.70* SUMP=-0.90	C-CB	NONE	*TOP OF GAS BELL
	D08-014	G=7.41	12"OUT=4.03	CL-CB	NONE	INV FROM 92M531
	D08-015	G=6.87	12"IN=2.30 15"OUT=3.74*	C-CB	NONE	*TOP OF GAS BELL, INVS FROM 92M531
	D08-016	R=8.21	INV=-0.35	MH	NONE	INV FROM 92M531
	D08-017	G=7.68	15"OUT=4.53*	DBL C-CB	NONE	*TOP OF GAS BELL, INV FROM 92M531
	D08-018	R=9.02	INV=0.14	MH	NONE	ABANDONED INV FROM 92M531
	D08-019	R=8.89	80"INV=0.05	MH	NONE	ABANDONED INV FROM 92M531
	D08-020	R=9.00	INV=-1.08	MH	NONE	INV FROM 92M531
	D08-021	R=8.32	15"IN=3.75 30"IN=3.72 42"INV=1.45	MH	NONE	INVS FROM 92M531
	D08-023	G=7.98	15"OUT=4.78	C-CB	NONE	INV FROM 92M531

PROJECT 301-0088 CDOT SURVEY DATA
NEW HAVEN RAIL YARD IMPROVEMENTS
STORM SEWERS SHEET 15 OF 18 6/1/2006

PLAN NO.	ID	RIM	INVERTS	TYPE	1997 ID	COMMENTS
7	D08-044	G=5.40	15"IN=0.86 15"OUT=0.25 SUMP=0.10	CL-CB	NONE	INVS FROM 1997 SURVEY
7	D08-045	G=4.62		C-CB	NONE	
7	D08-046	R=5.20		MH	NONE	
7	D08-047	R=6.46		MH	NONE	
7	D08-048	R=5.71	38"X80"IN=-2.29 INV=-2.46	MH	4/1	IVVS FROM 1997 SURVEY
7	D08-051	G=4.75	15"OUT=2.20 SUMP=2.20	C-CB	NONE	
7	D08-052	R=5.72	15"IN=0.45 15"OUT=0.29 SUMP=-2.13	CL-CB	506	
7	D08-053	G=5.40	15"IN=0.64 15"OUT=0.63 SUMP=-1.60	CL-CB	508	INVS FROM 92M531
7	D08-054	G=5.94	15"OUT=0.98 SUMP=0.52	CL-CB	509	INV FROM 92M531
7	D08-055	R=7.00	SE15"IN=0.20 NW15"IN=-0.20 36"IN=-1.79 36"OUT=-1.85	MH	505	
7	D08-056	G=4.59	18"OUT=-0.13 SUMP=-1.66	C-CB	NONE	
	D08-024	R=9.42	15"IN=4.53 42"INV=0.93	MH	NONE	INVS FROM 92M531
	D08-025	G=8.24	15"OUT=4.83	CL-CB	NONE	INV FROM 92M531
	D08-026	R=9.76	15"IN=2.48 INV=0.22	MH	NONE	INVS FROM 92M531
	D08-027	R=8.70	42"INV=-0.50	MH	NONE	INV FROM 92M531
	D08-028	R=9.87	18"IN=0.30 INV=0.02	MH	NONE	INVS FROM 92M531
	D08-029	G=9.09	18"OUT=4.20	C-CB	NONE	INV FROM 92M531
	D08-030	G=8.59		YARD DRAIN	NONE	
	D08-031	R=9.81		MH	NONE	
	D08-032	R=10.37		MH	NONE	
	D08-033	R=10.01	18"OUT=5.52*	C-CB	NONE	*TOP OF GAS BELL, INV FROM 92M531
	D08-035	R=9.31	15"OUT=6.10	C-CB	NONE	INV FROM 92M531
	D08-036	R=9.02	15"IN=4.99 15"OUT=4.86	C-CB	NONE	INVS FROM 92M531
	D08-037	R=7.98		MH	NONE	
	D08-039	R=7.79	INV=-1.19	MH	NONE	4'X3' BOX
	D08-040	G=7.73	15"OUT=5.83* SUMP=2.60	C-CB	NONE	*TOP OF GAS BELL
	D08-041	R=6.73	12"IN NOT VISIBLE 15"IN=3.13 30"IN=1.01 36"OUT=-1.65	MH	NONE	INVS FROM 92M531
	D08-042	R=6.66	15"IN=-0.74 18"IN=-0.71 15"OUT=-0.71	MH	NONE	INVS FROM 92M531
	D08-043	G=5.67	15"IN=-0.40 18"OUT=-0.34	C-CB	NONE	INVS FROM 92M531

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 3/29/2015

DESIGNER/DRAFTER: CONNDOT
CHECKED BY: CONNDOT

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: 20_GEDS_3010088_GS-016.dgn

SIGNATURE BLOCK: PARSONS BRINCKERHOFF GLASTONBURY, CT

PROJECT TITLE: NEW HAVEN RAIL YARD FACILITIES IMPROVEMENTS

TOWN: NEW HAVEN

DRAWING TITLE: SCHEDULE OF EXISTING UTILITY STRUCTURES- 3

PROJECT NO. 301-0124
DRAWING NO. GS-016
SHEET NO. 12.10

3/29/2015 9:06:03 AM
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PROJECT 301-0088 CDOT SURVEY DATA
NEW HAVEN RAIL YARD IMPROVEMENTS
STORM SEWERS SHEET 16 OF 18 6/1/2006

PLAN NO.	ID	RIM	INVERTS	TYPE	1997 ID	COMMENTS
7	D08-057	R=5.05	18"IN=-0.02 15"IN=-0.40 12"IN=-1.30 24"OUT=-1.30	MH	NONE	
7	D08-058	R=5.24		C-CB	NONE	
7	D08-059	R=5.58		C-CB	NONE	
7	D08-060	G=5.41		DBL C-CB	NONE	
7	D08-061	R=5.43	12"IN--2.53 INV--2.68	MH	470	INVS FROM 1997 SURVEY
7	D08-062	R=6.32	42"IN=-1.19 42"OUT=-1.26	MH	NONE	INVS FROM 92M531
7	D08-063	R=6.22	36"IN=-2.31 INV=-3.64	MH	499	INVS FROM 1997 SURVEY
7	D08-064	R=6.25	INV=-3.50	MH	498	INV FROM 1997 SURVEY
7	D08-074	R=5.48	BOT=-1.07	MH	NONE	NO PIPES VISIBLE
	D08-065	R=9.00	24"IN=2.50 24"OUT=0.89	MH	NONE	INVS FROM 92M531
	D08-066	R=9.07	INV=-1.43	MH	NONE	4'X3' BOX
	D08-067	R=7.15	15"IN=4.43 15"OUT=4.31	C-CB	NONE	INVS FROM 92M531
	D08-069	R=7.54	INV=-1.48 15"NOT VISIBLE	MH	NONE	INV FROM 92M531
	D08-070	R=7.82	N15"IN=2.82 S15"IN=1.92 15"OUT=1.86	MH	NONE	
	D08-071	G=6.00	15"OUT=4.65* SUMP=1.35	CL-CB	NONE	*TOP OF GAS BELL
	D08-072	R=12.62	INV=-4.21	MH	NONE	INV FROM 92M531
	D08-073	R=15.49	INV=-4.54	MH	NONE	INV FROM 92M531

STORM SEWERS 6/1/2006

PLAN NO.	ID	RIM	INVERTS	TYPE	1997 ID	COMMENTS
7	D09-001	R=7.21	18"IN=0.65 36"IN= -1.51 36"OUT= -1.58	MH	507	
7	D09-002	R=8.07	12"IN=1.45 18"OUT=1.42	MH	517	INVS FROM 1997 SURVEY
7	D09-003	G=6.98	12"OUT=1.91 SUMP= -0.94	C-CB	537	INV FROM 1997 SURVEY
7	D09-004	R=N/A		MH	NONE	
	D09-005	R=7.95	FILLED W/ CONC	MH	NONE	ABANDONED
	D09-006	R=7.23	36"IN= -0.02 36"OUT= -0.12	MH	530	INVS FROM 92M531
	D09-007	R=N/A		MH	NONE	ABANDONED
	D09-008	R=7.08	FILLED W/ CONC	MH	NONE	ABANDONED
	D09-009	R=		MH	NONE	
	D09-010	R=7.61	36"IN= -0.12 36"OUT= -0.15	MH	536	INVS FROM 92M531
	D09-011	R=7.31	36"IN= -0.47 36"OUT= -0.52	MH	598	INVS FROM 92M531
	D09-012	G=5.67	15"OUT=4.75*	C-CB	NONE	*TOP OF GAS BELL FROM 92M531

PROJECT 301-0088 CDOT SURVEY DATA
NEW HAVEN RAIL YARD IMPROVEMENTS
TELEPHONE STRUCTURES SHEET 2 OF 2 6/1/2006

PLAN NO.	ID	RIM	SOURCE	COMMENTS
3	T05-001	ELEV=9.53	SURVEY-2005	
3	T05-002	ELEV=8.52	SURVEY-2005	
3	T05-003	ELEV=10.43	SURVEY-2005	
3	T05-004	ELEV=N/A	MAP EDIT 2006	
3	T05-005	ELEV=N/A	MAP EDIT 2006	
4	T05-006	ELEV=8.14	SURVEY-2005	
5	T05-007	ELEV=10.59	SURVEY-2005	
5	T05-008	ELEV=7.20	SURVEY-2005	
5	T05-009	ELEV=8.64	MAP EDIT 2006	
5	T05-010	ELEV=8.32	SURVEY-2006	
5	T05-011	ELEV=8.13	SURVEY-2006	
5	T05-012	ELEV=9.49	SURVEY-2006	
5	T05-013X	ELEV=N/A	PLANS 301-0039 E-404-1A	NOT FOUND
5	T05-014	ELEV=8.35	SURVEY-2006	
5	T05-015	ELEV=10.39	SURVEY-2006	
5	T05-016	ELEV=N/A	MAP EDIT 2006	
5	T05-018	ELEV=8.93	SURVEY-2006	
5	T05-019	ELEV=6.29	SURVEY-2006	
5	T05-020	ELEV=N/A	C&S DEPT FIELD REV.	BURIED
5	T05-021	ELEV=N/A	C&S DEPT. FIELD REV.	BURIED
6	T05-017	ELEV=7.76	SURVEY-2006	

TELEPHONE STRUCTURES 6/1/2006

PLAN NO.	ID	RIM	SOURCE	COMMENTS
8	T06-001	ELEV=NA	301-0039 411-1-A	NOT FOUND
8	T06-002	ELEV=5.60	SURVEY-2006	
8	T06-003	ELEV=5.07	SURVEY-2006	

PROJECT 301-0088 CDOT SURVEY DATA
NEW HAVEN RAIL YARD IMPROVEMENTS
STORM SEWERS SHEET 17 OF 18 6/1/2006

PLAN NO.	ID	RIM	INVERTS	TYPE	1997 ID	COMMENTS
	D09-013	R=5.78	NW15"IN=1.16 SW15"IN=0.93 15"OUT=0.67	MH	NONE	INVS FROM 92M531
	D09-014	G=5.71	15"OUT=5.06* SUMP=1.37	C-CB	NONE	*TOP OF GAS BELL FROM 92M531
	D09-015	R=6.19	E15"IN=1.09 SW15"IN=0.43 NW15"OUT=0.04	MH	NONE	INVS FROM 92M531
	D09-016	R=6.37	15"IN=2.84 15"OUT=2.67	MH	NONE	INVS FROM 92M531
	D09-017	G=7.14	15"OUT=3.34	CL-CB	NONE	INV FROM 92M531
	D09-018	R=6.38	15"IN=0.23 36"IN=0.12 36"OUT=0.08	MH	NONE	INVS FROM 92M531
	D09-019	G=3.87	SILTED	CL-CB	NONE	FROM 92M531
	D09-020	R=7.71	42"IN= -4.79 42"OUT= -5.19 SUMP= -5.99	MH	160	
	D09-021	R=5.68	6"X4"IN= -3.82 6"X4"OUT= -3.87	MH	488	
	D09-022	R=5.81	6"X4"IN= -3.89 6"X4"OUT= -3.99	MH	489	
	D09-023	R=6.55	42"IN= -4.70 42"OUT= -4.75 SUMP= -6.25	MH	485	
	D09-024	R=8.53	6"X4"IN=-4.11 6"X4"OUT=-4.21	MH	483	
	D09-025	R=8.45	6"X4"IN= -4.12 6"X4"OUT= -4.27	MH	484	
	D09-026	G=6.91	15"OUT=3.49	C-CB	NONE	INV FROM 92M531
	D09-027	R=5.77	15"IN=0.20 15"OUT=0.25 SUMP=-0.45	CL-CB	593	

STORM SEWERS 6/1/2006

PLAN NO.	ID	RIM	INVERTS	TYPE	1997 ID	COMMENTS
	D11-001	R=8.20	INV=-1.50	MH	NONE	4'X3' BOX
	D11-002	R=8.94	15"OUT=6.46* SUMP=2.77	CL-CB	NONE	*TOP OF GAS BELL
	D11-003	R=7.74	ABANDONED	MH	NONE	FILLED WITH CONC
	D11-004	R=7.98	INV= -2.24	MH	NONE	
	D11-005	R=7.79	15"IN=3.57 15"OUT=3.57 SUMP=1.65	MH	NONE	
	D11-006	G=6.50	15"OUT=4.82 SUMP=1.48	C-CB	NONE	
	D11-007	R=7.00	W15"IN=2.87 NW15"IN=3.02 SE15"IN=2.95 15"OUT=2.85 SUMP=2.70	MH	NONE	
	D11-008	G=6.68	18"OUT=1.20 SUMP=0.82	C-CB	NONE	

PROJECT 301-0088 CDOT SURVEY DATA
NEW HAVEN RAIL YARD IMPROVEMENTS
WATER STRUCTURES SHEET 1 OF 1 6/1/2006

PLAN NO.	ID	RIM	SOURCE	COMMENTS
4	W02-003	ELEV=10.94	SURVEY-2006	
	W02-004	ELEV=11.23	SURVEY-2006	
	W02-005	ELEV=10.34	SURVEY-2006	
	W02-007	ELEV=9.20	SURVEY-2005	METER
	W02-008	ELEV=9.12	SURVEY-2005	
	W02-009	ELEV=11.02	SURVEY-2006	

WATER STRUCTURES 1/16/2007

PLAN NO.	ID	RIM	SOURCE	COMMENTS
3	W05-009	ELEV=8.64	SURVEY-2006	
3	W05-010	ELEV=8.67	SURVEY-2006	
3	W05-011	ELEV=8.68	SURVEY-2006	
3	W05-012	ELEV=8.26	SURVEY-2006	
3	W05-013	ELEV=8.93	SURVEY-2006	
3	W05-014	ELEV=8.96	SURVEY-2006	
3	W05-015	ELEV=8.92	SURVEY-2006	
3	W05-016	ELEV=8.75	SURVEY-2006	
3	W05-017	ELEV=8.76	SURVEY-2006	
3	W05-017	ELEV=8.45	SURVEY-2006	
4	W05-002	ELEV=10.07	SURVEY-2006	
4	W05-003	ELEV=7.60	SURVEY-2006	
4	W05-004	ELEV=7.18	SURVEY-2005	
4	W05-005	ELEV=7.66	SURVEY-2005	
4	W05-006	ELEV=7.72	SURVEY-2005	
5	W05-001	ELEV=6.75	SURVEY-2005	2 GATES
5	W05-007	ELEV=9.03	SURVEY-2006	
5	W05-008	ELEV=10.69	SURVEY-2006	
6	W05-019	ELEV=N/A	RWA PLANS 1/2007	NOT FOUND
6	W05-020	ELEV=N/A	RWA PLANS 1/2007	NOT FOUND
6	W05-021	ELEV=N/A	RWA PLANS 1/2007	NOT FOUND
6	W05-022	ELEV=N/A	RWA PLANS 1/2007	NOT FOUND
6	W05-023	ELEV=N/A	RWA PLANS 1/2007	NOT FOUND
6	WO5-024	ELEV=N/A	SURVEY 1997	FOUND 1997
7	W05-018	ELEV=8.19	SURVEY-2006	

WATER STRUCTURES 1/16/2007

PLAN NO.	ID	RIM	SOURCE	COMMENTS
6	W06-001	ELEV=7.02'	SURVEY 2006	
6	W06-002	ELEV=6.71'	SURVEY 2006	
6	W06-003	ELEV=N/A	SURVEY 2006	WATER METER IN CONC PAD
8	W06-004	ELEV=N/A	RWA PLANS	NOT FOUND

PROJECT 301-0088 CDOT SURVEY DATA
NEW HAVEN RAIL YARD IMPROVEMENTS
STORM SEWERS SHEET 18 OF 18 6/1/2006

PLAN NO.	ID	RIM	INVERTS	TYPE	1997 ID	COMMENTS
	D11-009	G=6.42	18"IN= -0.74 15"OUT= -0.63 SUMP= -2.46	CL-CB	NONE	
	D11-010	G=6.09	12"IN=3.52 *OUT=5.54 SUMP=1.84	CL-CB	NONE	*TOP OF GAS BELL
	D11-011	G=5.77	12"OUT=3.37 SUMP=1.82	C-CB	NONE	
	D11-012	R=7.07	N15"IN=3.67 S15"IN=2.31 72"INV=-5.23	MH	NONE	
	D11-013	R=7.36	N/A	MH	NONE	PAVED OVER
	D11-014	G=6.88	15"OUT=2.68 SUMP=0.92	C-CB	NONE	
	D11-015	G=6.89	15"OUT=3.79 SUMP=2.77	C-CB	NONE	
	D11-016	G=5.31	INV=-3.65	C-CB	NONE	7'X3' BOX
	D11-017	G=6.68	15"OUT=2.92 SUMP=1.44	CL-CB	NONE	
	D11-018	R=8.11	15"IN=3.31 15"OUT=3.26 SUMP=2.88	MH	NONE	

PROJECT 301-0088 CDOT SURVEY DATA
NEW HAVEN RAIL YARD IMPROVEMENTS
TELEPHONE STRUCTURES SHEET 1 OF 2 6/1/2006

PLAN NO.	ID	RIM	SOURCE	COMMENTS
3	T01-001	ELEV=10.58	SURVEY-2006	
3	T01-002	ELEV=NONE	C&S DEPT 4/06	COMM. NODE HOUSE
3	T01-002	ELEV=N/A	SURVEY-2006	
3	T01-003	ELEV=NONE	C&S DEPT. 4/06	PER PLAN REVIEW
	T01-004	ELEV=NONE	C&S DEPT 4/06	NOT FOUND

TELEPHONE STRUCTURES 6/1/2006

PLAN NO.	ID	RIM	SOURCE	COMMENTS
8	T02-012	ELEV=NONE	PLAN REV. C&S DEPT.	OH TO THE EAST
	T02-001	ELEV=10.94	SURVEY-2006	
	T02-002	ELEV=10.89	SURVEY-2006	
	T02-003	ELEV=10.83	SURVEY-2006	
	T02-004	ELEV=10.08	SURVEY-2006	
	T02-005	ELEV=11.14	SURVEY-2006	
	T02-006	ELEV=NONE	FIELD REVIEW 4/06	C&S DEPT.
	T02-007	ELEV=10.53'	FIELD REVIEW 4/06	C&S DEPT.
	T02-008	ELEV=11.05'	FIELD REVIEW 4/06	C&S DEPT.
	T02-009	ELEV=10.66'	FIELD REVIEW 4/06	C&S DEPT.
	T02-010	ELEV=10.87'	FIELD REVIEW	C&S DEPT.
	T02-011	ELEV=NONE	FIELD REVIEW 4/06	WIRE CABINET OPENED
	T02-013	ELEV=NONE	FIELD REVIEW 4/06	C&S DEPT.

TELEPHONE STRUCTURES 6/1/2006

PLAN NO.	ID	RIM	SOURCE	COMMENTS
1	T04-001	ELEV=16.27	SURVEY-2006	
1	T04-002	ELEV=10.89	SURVEY-2006	
1	T04-003	ELEV=10.63	SURVEY-2006	
1	T04-004	ELEV=10.81	SURVEY-2006	
1	T04-005	ELEV=10.75	SURVEY-2006	
1	T04-007	ELEV=8.24	SURVEY-2006	
2	T04-006	ELEV=8.01	SURVEY-2006	
2	T04-007	ELEV=NA	MAP EDIT 2006	

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REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 3/29/2015

DESIGNER/DRAFTER: CONNDOT
CHECKED BY: CONNDOT

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: 20_GEDS_3010088_GS-017.dgn

SIGNATURE BLOCK: STATE OF CONNECTICUT LICENSED PROFESSIONAL ENGINEER

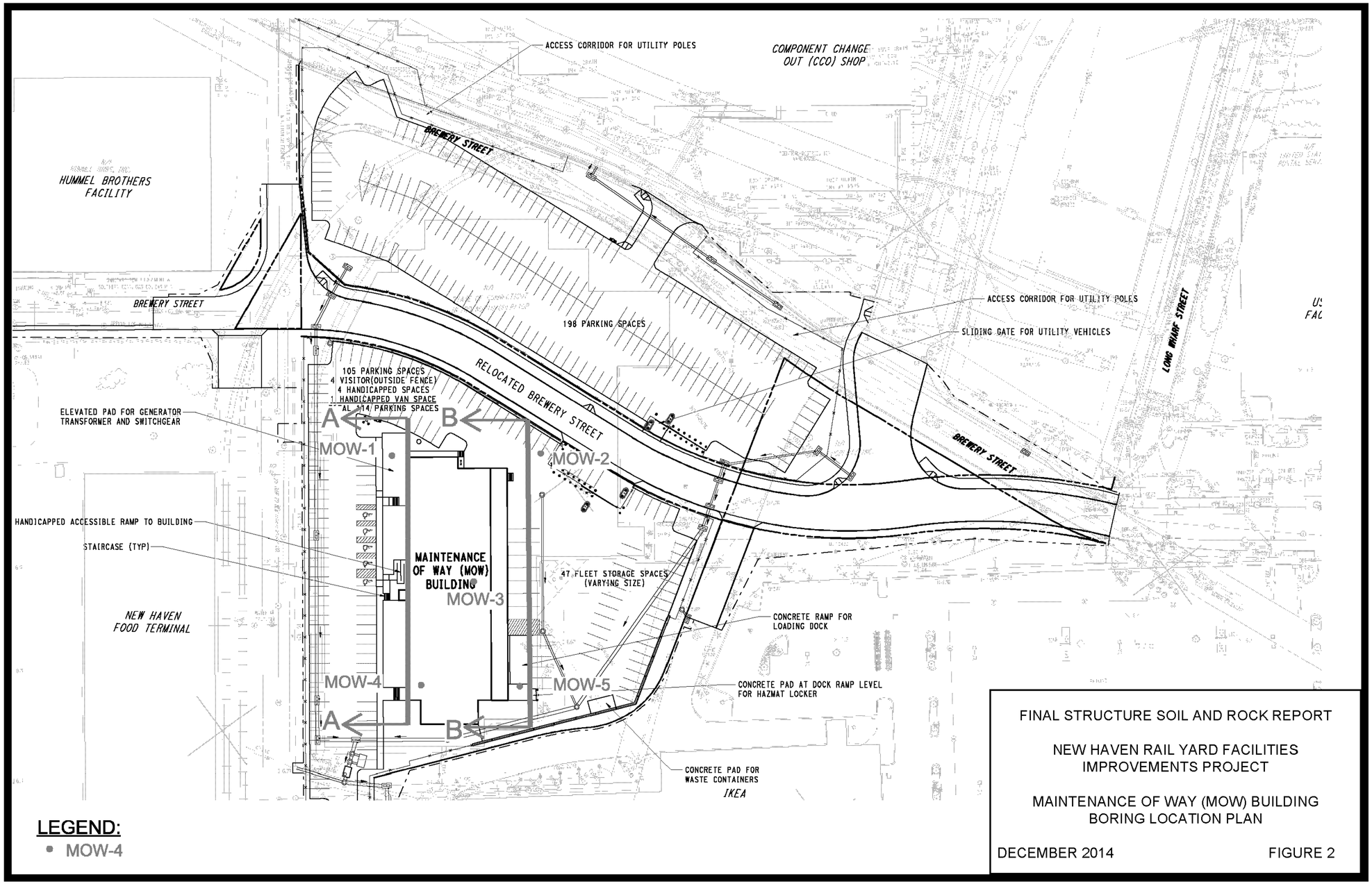
PARSONS BRINCKERHOFF
GLASTONBURY, CT

PROJECT TITLE:
NEW HAVEN RAIL YARD FACILITIES IMPROVEMENTS

TOWN: NEW HAVEN

DRAWING TITLE:
SCHEDULE OF EXISTING UTILITY STRUCTURES- 4

PROJECT NO. 301-0124
DRAWING NO. GS-017
SHEET NO. 12.11



FINAL STRUCTURE SOIL AND ROCK REPORT

NEW HAVEN RAIL YARD FACILITIES IMPROVEMENTS PROJECT

MAINTENANCE OF WAY (MOW) BUILDING BORING LOCATION PLAN

DECEMBER 2014 FIGURE 2

"THIS SHEET HAS BEEN REPRODUCED FROM THE DECEMBER 2014 FINAL STRUCTURE SOIL AND ROCK REPORT AND IS INFORMATIONAL FOR BORING LOCATION PURPOSES ONLY"

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted Date: 3/29/2015

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: JLD

CHECKED BY: JLW

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: 20_GBRL_3010088_GB-000.dgn

SIGNATURE BLOCK: PARSONS BRINCKERHOFF GLASTONBURY, CT

PROJECT TITLE: NEW HAVEN RAIL YARD FACILITIES IMPROVEMENTS MAINTENANCE OF WAY BUILDING

TOWN: NEW HAVEN

DRAWING TITLE: BORING LOCATION PLAN

PROJECT NO. 301-0124

DRAWING NO. GB-000

SHEET NO. 12.12

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BORING LOG

Driller: W. Hoeckele		Hole No.: MOW-1	
Inspector: D. D'Angelo	Town: New Haven	Stat./Offset:	
Engineer: Parsons Brinckerhoff	Project No.: 0301-0124	Northing: 668680	
Start Date: 6-18-14	Route No.:	Easting: 952688	
Finish Date: 6-19-14	Bridge No.:	Surface Elevation: 12.0	
Project Description: New Haven Rail Yard Facilities Improvements - Maintenance of Way (MOW) Building			
Casing Size/Type: HW	Sampler Type/Size: Split Spoon / 1-3/8" I.D.	Core Barrel Type:	
Hammer Wt.: 300lb Fall: 24in.	Hammer Wt.: 140lb Fall: 30in.		

Groundwater Observations: @10.0 to 11.5 feet (Estimated)

Depth (ft)	SAMPLES Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
0						FLOOR SLAB	Cold Storage Facility Floor Slab: Concrete (0"-5"), Styrofoam (5"-11"), Concrete (11"-16")	
						VOID	Void between floor slab and ground surface (16"-66")	10
5	S-1	3 17 34 45	24	16		SANDY GRAVEL	Reddish-brown c-f GRAVEL, some c-f sand, trace silt, very dense (PROBABLE FILL)	5
10	S-2	28 28 7 7	24	16		ORGANIC CLAYEY SILT	S-2A (Above 10'): Reddish-brown c-f SAND and m-f GRAVEL, little silt, dense (PROBABLE FILL) S-2B (Below 10'): Dark gray ORGANIC clayey SILT, trace m gravel, stiff (PROBABLE FILL)	0
							Note: Wash from 9' to 14 ' very gravelly	
15	S-3	4 4 3 5	24	7			Dark brown ORGANIC clayey SILT, trace f sand, medium stiff (PROBABLE FILL to ~19 feet)	-5
	UP-1	P U S H	24	0			Note: Undisturbed sample attempt @ 17' to 19' resulted in no recovery. Bottom of tube slightly crushed and plugged with sand and gravel wash.	
20	S-4	2 1 3 2	24	24			Dark gray ORGANIC clayey SILT, trace shells, soft to medium stiff	-10

Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%

Total Penetration in Earth: 90.5ft Rock: 0ft	NOTES: 1. SPT's taken with spooling winch and safety hammer 2. Hole drilled with a Diedrich D50 mounted on a rubber tracked ATV 3. Hole grouted upon completion	Sheet 1 of 5
No. of Soil Samples: 22 No. of Core Runs: 0		SM-001-M REV. 1/02

BORING LOG

Driller: W. Hoeckele		Hole No.: MOW-1	
Inspector: D. D'Angelo	Town: New Haven	Stat./Offset:	
Engineer: Parsons Brinckerhoff	Project No.: 0301-0124	Northing: 668680	
Start Date: 6-18-14	Route No.:	Easting: 952688	
Finish Date: 6-19-14	Bridge No.:	Surface Elevation: 12.0	
Project Description: New Haven Rail Yard Facilities Improvements - Maintenance of Way (MOW) Building			
Casing Size/Type: HW	Sampler Type/Size: Split Spoon / 1-3/8" I.D.	Core Barrel Type:	
Hammer Wt.: 300lb Fall: 24in.	Hammer Wt.: 140lb Fall: 30in.		

Groundwater Observations: @10.0 to 11.5 feet (Estimated)

Depth (ft)	SAMPLES Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
								-10
	UP-2	P U S H	24	24		ORGANIC CLAYEY SILT (con't)	Dark gray ORGANIC clayey SILT	
25	S-5	WOR/WOR/WOH	24	24			Dark gray ORGANIC clayey SILT, trace shells, very soft	-15
30	S-6	WOR/WOR/WOH	24	24			Dark gray ORGANIC clayey SILT, trace shells, very soft	-20
						SILTY SAND		
35	S-7	5 6 6 7	24	24			Gray f SAND, little silt, medium dense	-25
40	S-8	12 17 17 21	24	19			Gray f SAND, little silt, dense	-30
						ORGANIC CLAYEY SILT		

Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%

Total Penetration in Earth: 90.5ft Rock: 0ft	NOTES: 1. SPT's taken with spooling winch and safety hammer 2. Hole drilled with a Diedrich D50 mounted on a rubber tracked ATV 3. Hole grouted upon completion	Sheet 2 of 5
No. of Soil Samples: 22 No. of Core Runs: 0		SM-001-M REV. 1/02

BORING LOG

Driller: W. Hoeckele		Hole No.: MOW-1	
Inspector: D. D'Angelo	Town: New Haven	Stat./Offset:	
Engineer: Parsons Brinckerhoff	Project No.: 0301-0124	Northing: 668680	
Start Date: 6-18-14	Route No.:	Easting: 952688	
Finish Date: 6-19-14	Bridge No.:	Surface Elevation: 12.0	
Project Description: New Haven Rail Yard Facilities Improvements - Maintenance of Way (MOW) Building			
Casing Size/Type: HW	Sampler Type/Size: Split Spoon / 1-3/8" I.D.	Core Barrel Type:	
Hammer Wt.: 300lb Fall: 24in.	Hammer Wt.: 140lb Fall: 30in.		

Groundwater Observations: @10.0 to 11.5 feet (Estimated)

Depth (ft)	SAMPLES Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
45	S-9	1 1 3 3	24	24		ORGANIC CLAYEY SILT (con't)	Dark gray ORGANIC clayey SILT, trace shells, soft to medium stiff	
	UP-3	P U S H	24	24			Dark gray ORGANIC clayey SILT, trace shells	-35
50	S-10	WOH 3 8 14	24	18		PEAT	S-10A (Above 50'): Dark gray ORGANIC clayey SILT, trace shells, very soft to medium stiff S-10B (50' to 50.2'): Dark brown PEAT, medium stiff	
						SAND	S-10C (Below 50.2'): Gray f SAND, trace silt, medium dense	-40
55	S-11	6 15 27 30	24	14			Reddish-brown c-f SAND, trace silt, dense	-45
60	S-12	20 20 22 24	24	20			Reddish-brown to gray c-f SAND, trace f gravel, dense	-50
65	S-13	15 21 21 24	24	20			S-13A (Above 65.5'): Reddish-brown to gray c-f SAND, trace f gravel, dense S-13B (Below 65.5'): Reddish-brown f SAND,	

Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%

Total Penetration in Earth: 90.5ft Rock: 0ft	NOTES: 1. SPT's taken with spooling winch and safety hammer 2. Hole drilled with a Diedrich D50 mounted on a rubber tracked ATV 3. Hole grouted upon completion	Sheet 3 of 5
No. of Soil Samples: 22 No. of Core Runs: 0		SM-001-M REV. 1/02

BORING LOG

Driller: W. Hoeckele		Hole No.: MOW-1	
Inspector: D. D'Angelo	Town: New Haven	Stat./Offset:	
Engineer: Parsons Brinckerhoff	Project No.: 0301-0124	Northing: 668680	
Start Date: 6-18-14	Route No.:	Easting: 952688	
Finish Date: 6-19-14	Bridge No.:	Surface Elevation: 12.0	
Project Description: New Haven Rail Yard Facilities Improvements - Maintenance of Way (MOW) Building			
Casing Size/Type: HW	Sampler Type/Size: Split Spoon / 1-3/8" I.D.	Core Barrel Type:	
Hammer Wt.: 300lb Fall: 24in.	Hammer Wt.: 140lb Fall: 30in.		

Groundwater Observations: @10.0 to 11.5 feet (Estimated)

Depth (ft)	SAMPLES Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
						SAND AND SILT (con't)	some silt, dense	-55
70	S-14	9 17 28 29	24	18			Reddish-brown SILT and f SAND, dense	-60
75	S-15	13 19 26 49	24	19			Reddish-brown f SAND, some silt, dense	-65
80	S-16	9 19 35 92	24	20			Reddish-brown f SAND and SILT, very dense	-70
						SILTY SAND		
85	S-17	16 28 38 41	24	14			Reddish-brown f SAND, little silt, very dense	-75

Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%

Total Penetration in Earth: 90.5ft Rock: 0ft	NOTES: 1. SPT's taken with spooling winch and safety hammer 2. Hole drilled with a Diedrich D50 mounted on a rubber tracked ATV 3. Hole grouted upon completion	Sheet 4 of 5
No. of Soil Samples: 22 No. of Core Runs: 0		SM-001-M REV. 1/02

BORING LOG

Driller: W. Hoeckele		Hole No.: MOW-1	
Inspector: D. D'Angelo	Town: New Haven	Stat./Offset:	
Engineer: Parsons Brinckerhoff	Project No.: 0301-0124	Northing: 668680	
Start Date: 6-18-14	Route No.:	Easting: 952688	
Finish Date: 6-19-14	Bridge No.:	Surface Elevation: 12.0	
Project Description: New Haven Rail Yard Facilities Improvements - Maintenance of Way (MOW) Building			
Casing Size/Type: HW	Sampler Type/Size: Split Spoon / 1-3/8" I.D.	Core Barrel Type:	
Hammer Wt.: 300lb Fall: 24in.	Hammer Wt.: 140lb Fall: 30in.		

Groundwater Observations: @10.0 to 11.5 feet (Estimated)

Depth (ft)	SAMPLES Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
						SILTY SAND (cont'd)		
90	S-18	14 28 29 37	24	14			Reddish-brown f SAND, some silt, very dense	-80
95	S-19	14 23 23 32	24	16			Reddish-brown f SAND, trace silt, dense	
							END OF BORING 96 ft	-85
100								-90
105								-95
110								

Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%

Total Penetration in Earth: 90.5ft Rock: 0ft	NOTES: 1. SPT's taken with spooling winch and safety hammer 2. Hole drilled with a Diedrich D50 mounted on a rubber tracked ATV 3. Hole grouted upon completion	Sheet 5 of 5
No. of Soil Samples: 22 No. of Core Runs: 0		SM-001-M REV. 1/02

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 3/29/2015

DESIGNER/DRAFTER: JLD

CHECKED BY: JLW

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: 20_GBRL_3010088_GB-001.dgn

SIGNATURE BLOCK: STATE OF CONNECTICUT LICENSED PROFESSIONAL ENGINEER

PARSONS BRINCKERHOFF
GLASTONBURY, CT

PROJECT TITLE:
NEW HAVEN RAIL YARD FACILITIES IMPROVEMENTS MAINTENANCE OF WAY BUILDING

TOWN: NEW HAVEN

DRAWING TITLE: BORING LOGS-1

PROJECT NO. 301-0124

DRAWING NO. GB-001

SHEET NO. 12.13

3/29/2015 9:02:14 AM
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BORING LOG

Driller: W. Hoeckele	BORING LOG	Hole No.: MOW-2	
Inspector: D. D'Angelo	Town: New Haven	Stat./Offset:	
Engineer: Parsons Brinckerhoff	Project No.: 0301-0124	Northing: 668792	
Start Date: 6-16-14	Route No.:	Easting: 952769	
Finish Date: 6-17-14	Bridge No.:	Surface Elevation: 12.0	
Project Description: New Haven Rail Yard Facilities Improvements - Maintenance of Way (MOW) Building			
Casing Size/Type: HW	Sampler Type/Size: Split Spoon / 1-3/8" I.D.	Core Barrel Type:	
Hammer Wt.: 300lb Fall: 24in.	Hammer Wt.: 140lb Fall: 30in.		

Groundwater Observations: @10.0 to 11.5 feet (Estimated)

Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
0						FLOOR SLAB	Cold Storage Facility Floor Slab: Concrete (0"-5"), Styrofoam (5"-11"), Concrete (11"-16") Void between floor slab and ground surface (16"-66")	
						VOID		10
5	S-1	21 42 29 44	24	10		SILTY GRAVELLY SAND	Reddish-brown c-f SAND, some silt, some m-f gravel, very dense (PROBABLE FILL)	5
10	S-2	11 6 4 5	24	10		ORGANIC CLAYEY SILT	S-2A (Above 9.5'): Reddish-brown SILT, little c-f SAND, trace m-f Gravel, dense (PROBABLE FILL) S-2B (Below 9.5'): Dark gray ORGANIC clayey SILT, stiff (PROBABLE FILL)	0
						GRAVELLY SAND		
15	S-3	12 12 8 10	24	12			Gray c-f SAND, little m-f gravel, trace silt, medium dense (PROBABLE FILL)	-5
						ORGANIC CLAYEY SILT		
20	S-4	3 2 2 3	24	19			Dark gray ORGANIC clayey SILT, trace shells, soft to medium stiff	-10

Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%

Total Penetration in Earth: 90.5ft Rock: 0ft	NOTES: 1. SPT's taken with spooling winch and safety hammer 2. Hole drilled with a Diedrich D50 mounted on a rubber tracked ATV 3. Hole grouted upon completion	Sheet 1 of 5
No. of Soil Samples: 22 No. of Core Runs: 0		SM-001-M REV. 1/02

BORING LOG

Driller: W. Hoeckele	BORING LOG	Hole No.: MOW-2	
Inspector: D. D'Angelo	Town: New Haven	Stat./Offset:	
Engineer: Parsons Brinckerhoff	Project No.: 0301-0124	Northing: 668792	
Start Date: 6-16-14	Route No.:	Easting: 952769	
Finish Date: 6-17-14	Bridge No.:	Surface Elevation: 12.0	
Project Description: New Haven Rail Yard Facilities Improvements - Maintenance of Way (MOW) Building			
Casing Size/Type: HW	Sampler Type/Size: Split Spoon / 1-3/8" I.D.	Core Barrel Type:	
Hammer Wt.: 300lb Fall: 24in.	Hammer Wt.: 140lb Fall: 30in.		

Groundwater Observations: @10.0 to 11.5 feet (Estimated)

Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
						ORGANIC CLAYEY SILT *(con't)*		-10
25	S-5	WOR/WOH/WOH/WOH	24	21			Dark gray ORGANIC clayey SILT, trace f sand, trace shells, very soft	-15
30	S-6	WOR/WOR 1 2	24	22			Dark gray ORGANIC clayey SILT, trace shells, very soft	-20
35	S-7	WOH/WOH/WOH/WOH	24	24			S-7A (Above 35'): Dark gray ORGANIC clayey SILT, trace shells, very soft S-7B (Below 35'): Dark gray SILT and f SAND, trace clay, very loose	-25
						SILT AND SAND		
40	S-8	1 1 1 4	24	24			Dark gray f SAND, some silt, trace clay, very loose	-30

Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%

Total Penetration in Earth: 90.5ft Rock: 0ft	NOTES: 1. SPT's taken with spooling winch and safety hammer 2. Hole drilled with a Diedrich D50 mounted on a rubber tracked ATV 3. Hole grouted upon completion	Sheet 2 of 5
No. of Soil Samples: 22 No. of Core Runs: 0		SM-001-M REV. 1/02

BORING LOG

Driller: W. Hoeckele	BORING LOG	Hole No.: MOW-2	
Inspector: D. D'Angelo	Town: New Haven	Stat./Offset:	
Engineer: Parsons Brinckerhoff	Project No.: 0301-0124	Northing: 668792	
Start Date: 6-16-14	Route No.:	Easting: 952769	
Finish Date: 6-17-14	Bridge No.:	Surface Elevation: 12.0	
Project Description: New Haven Rail Yard Facilities Improvements - Maintenance of Way (MOW) Building			
Casing Size/Type: HW	Sampler Type/Size: Split Spoon / 1-3/8" I.D.	Core Barrel Type:	
Hammer Wt.: 300lb Fall: 24in.	Hammer Wt.: 140lb Fall: 30in.		

Groundwater Observations: @10.0 to 11.5 feet (Estimated)

Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
45	S-9	WOH/WOH 7 27	24	24		SILTY SAND	S-9A (Above 45'): Dark gray SILT and f SAND, trace clay, trace shells, very loose S-9B (Below 45'): Reddish-brown f SAND, little silt, medium dense	-35
50	S-10	18 29 30 32	24	14			Reddish-brown c-f SAND, little f gravel, trace silt, very dense	-40
55	S-11	16 23 32 42	24	16			Reddish-brown f SAND and SILT, very dense	-45
60	S-12	6 10 11 16	24	16			Reddish-brown f SAND, trace silt, medium dense	-50
65	S-13	7 11 16 22	24	17			Reddish-brown f SAND, little silt, medium dense	

Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%

Total Penetration in Earth: 90.5ft Rock: 0ft	NOTES: 1. SPT's taken with spooling winch and safety hammer 2. Hole drilled with a Diedrich D50 mounted on a rubber tracked ATV 3. Hole grouted upon completion	Sheet 3 of 5
No. of Soil Samples: 22 No. of Core Runs: 0		SM-001-M REV. 1/02

BORING LOG

Driller: W. Hoeckele	BORING LOG	Hole No.: MOW-2	
Inspector: D. D'Angelo	Town: New Haven	Stat./Offset:	
Engineer: Parsons Brinckerhoff	Project No.: 0301-0124	Northing: 668792	
Start Date: 6-16-14	Route No.:	Easting: 952769	
Finish Date: 6-17-14	Bridge No.:	Surface Elevation: 12.0	
Project Description: New Haven Rail Yard Facilities Improvements - Maintenance of Way (MOW) Building			
Casing Size/Type: HW	Sampler Type/Size: Split Spoon / 1-3/8" I.D.	Core Barrel Type:	
Hammer Wt.: 300lb Fall: 24in.	Hammer Wt.: 140lb Fall: 30in.		

Groundwater Observations: @10.0 to 11.5 feet (Estimated)

Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
						SILTY SAND *(con't)*		-55
70	S-14	6 9 15 19	24	16			Reddish-brown f SAND, some silt, medium dense	-60
75	S-15	5 14 20 30	24	22			Reddish-brown f SAND, little silt, dense	-65
80	S-16	10 11 16 26	24	20			Reddish-brown f SAND, trace silt, medium dense	-70
85	S-17	6 7 11 28	24	6			Reddish-brown f SAND, some silt, medium dense	-75

Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%

Total Penetration in Earth: 90.5ft Rock: 0ft	NOTES: 1. SPT's taken with spooling winch and safety hammer 2. Hole drilled with a Diedrich D50 mounted on a rubber tracked ATV 3. Hole grouted upon completion	Sheet 4 of 5
No. of Soil Samples: 22 No. of Core Runs: 0		SM-001-M REV. 1/02

BORING LOG

Driller: W. Hoeckele	BORING LOG	Hole No.: MOW-2	
Inspector: D. D'Angelo	Town: New Haven	Stat./Offset:	
Engineer: Parsons Brinckerhoff	Project No.: 0301-0124	Northing: 668792	
Start Date: 6-16-14	Route No.:	Easting: 952769	
Finish Date: 6-17-14	Bridge No.:	Surface Elevation: 12.0	
Project Description: New Haven Rail Yard Facilities Improvements - Maintenance of Way (MOW) Building			
Casing Size/Type: HW	Sampler Type/Size: Split Spoon / 1-3/8" I.D.	Core Barrel Type:	
Hammer Wt.: 300lb Fall: 24in.	Hammer Wt.: 140lb Fall: 30in.		

Groundwater Observations: @10.0 to 11.5 feet (Estimated)

Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
						SILTY SAND *(con't)*		
90	S-18	10 16 19 25	24	10			Reddish-brown f SAND, little silt, dense	-80
95	S-19	14 17 24 36	24	18			Reddish-brown f SAND, trace silt, dense	
							END OF BORING 96 ft	-85
100								-90
105								-95
110								

Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%

Total Penetration in Earth: 90.5ft Rock: 0ft	NOTES: 1. SPT's taken with spooling winch and safety hammer 2. Hole drilled with a Diedrich D50 mounted on a rubber tracked ATV 3. Hole grouted upon completion	Sheet 5 of 5
No. of Soil Samples: 22 No. of Core Runs: 0		SM-001-M REV. 1/02

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 3/29/2015

DESIGNER/DRAFTER: JLD

CHECKED BY: JLW

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: 20_GBRL_3010088_GB-002.dgn

SIGNATURE BLOCK: STATE OF CONNECTICUT LICENSED PROFESSIONAL ENGINEER

PARSONS BRINCKERHOFF
GLASTONBURY, CT

PROJECT TITLE:
NEW HAVEN RAIL YARD FACILITIES IMPROVEMENTS MAINTENANCE OF WAY BUILDING

TOWN: NEW HAVEN

DRAWING TITLE: BORING LOGS-2

PROJECT NO. 301-0124

DRAWING NO. GB-002

SHEET NO. 12.14

3/29/2015 9:02:29 AM
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Driller	W. Hoeckele	BORING LOG	Hole No.: MOW-3
Inspector:	D. D'Angelo	Town: New Haven	Stat./Offset:
Engineer:	Parsons Brinckerhoff	Project No.: 0301-0124	Northing: 668674
Start Date:	6-12-14	Route No.:	Easting: 952823
Finish Date:	6-13-14	Bridge No.:	Surface Elevation: 12.0

Project Description: New Haven Rail Yard Facilities Improvements - Maintenance of Way (MOW) Building

Casing Size/Type: HW	Sampler Type/Size: Split Spoon / 1-3/8" I.D.	Core Barrel Type:
Hammer Wt.: 300lb Fall: 24in.	Hammer Wt.: 140lb Fall: 30in.	

Groundwater Observations: @10.0 to 11.5 feet (Estimated)

Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
0						FLOOR SLAB	Cold Storage Facility Floor Slab: Concrete (0"-5"), Expanded Polystyrene (5"-13"), Concrete (13"-23")	
						VOID	Void between floor slab and ground surface (23"-30")	10
						SAND		
	S-1	5 10 12 9	24	19			Reddish-brown f SAND, trace silt, medium dense (PROBABLE FILL)	
5	S-2	4 5 14 49	24	20			Reddish-brown f SAND, trace m-f gravel, medium dense (PROBABLE FILL)	5
						SILTY SAND		
10	S-3	31 45 38 39	24	14			Reddish-brown c-f SAND, some silt, some m-f gravel, very dense (PROBABLE FILL)	
						SILT AND SAND		0
15	S-4	9 5 5 11	24	7			Reddish-brown SILT and f SAND, trace black organic silt, loose to medium dense (PROBABLE FILL)	
						SILTY GRAVELLY SAND		-5
20	S-5	12 19 21 21	24	16			S-5A (Above 20'): Gray-brown c-f SAND, little f gravel, trace silt, dense (PROBABLE FILL) S-5B (Below 20'): Gray-brown f SAND, little silt, dense (PROBABLE FILL)	-10

Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%

Total Penetration in	NOTES: 1. SPT's taken with spooling winch and safety hammer	Sheet
Earth: 98.5ft Rock: 0ft	2. Hole drilled with a Diedrich D50 mounted on a rubber tracked ATV	1 of 5
No. of Soil Samples: 22 No. of Core Runs: 0	3. Hole grouted upon completion	SM-001-M REV. 1/02

Driller	W. Hoeckele	BORING LOG	Hole No.: MOW-3
Inspector:	D. D'Angelo	Town: New Haven	Stat./Offset:
Engineer:	Parsons Brinckerhoff	Project No.: 0301-0124	Northing: 668674
Start Date:	6-12-14	Route No.:	Easting: 952823
Finish Date:	6-13-14	Bridge No.:	Surface Elevation: 12.0

Project Description: New Haven Rail Yard Facilities Improvements - Maintenance of Way (MOW) Building

Casing Size/Type: HW	Sampler Type/Size: Split Spoon / 1-3/8" I.D.	Core Barrel Type:
Hammer Wt.: 300lb Fall: 24in.	Hammer Wt.: 140lb Fall: 30in.	

Groundwater Observations: @10.0 to 11.5 feet (Estimated)

Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
								-10
						ORGANIC CLAYEY SILT		
25	S-6	WOH/WOH 3 4	24	24				
								-15
	UP-1	P U S H	24	24			Dark gray ORGANIC clayey SILT, trace shells	
30	S-7	WOR/WOH/WOH/WOH	24	24			Dark gray ORGANIC clayey SILT, trace shells, very soft	
								-20
35	S-8	WOR/WOR/WOH/WOH	24	24			Dark gray ORGANIC clayey SILT, trace f sand, trace shells, very soft	
								-25
40	S-9	WOR/WOR/WOH/WOH	24	24			Dark gray ORGANIC clayey SILT, trace shells, very soft	
								-30

Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%

Total Penetration in	NOTES: 1. SPT's taken with spooling winch and safety hammer	Sheet
Earth: 98.5ft Rock: 0ft	2. Hole drilled with a Diedrich D50 mounted on a rubber tracked ATV	2 of 5
No. of Soil Samples: 22 No. of Core Runs: 0	3. Hole grouted upon completion	SM-001-M REV. 1/02

Driller	W. Hoeckele	BORING LOG	Hole No.: MOW-3
Inspector:	D. D'Angelo	Town: New Haven	Stat./Offset:
Engineer:	Parsons Brinckerhoff	Project No.: 0301-0124	Northing: 668674
Start Date:	6-12-14	Route No.:	Easting: 952823
Finish Date:	6-13-14	Bridge No.:	Surface Elevation: 12.0

Project Description: New Haven Rail Yard Facilities Improvements - Maintenance of Way (MOW) Building

Casing Size/Type: HW	Sampler Type/Size: Split Spoon / 1-3/8" I.D.	Core Barrel Type:
Hammer Wt.: 300lb Fall: 24in.	Hammer Wt.: 140lb Fall: 30in.	

Groundwater Observations: @10.0 to 11.5 feet (Estimated)

Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
45	S-10	WOR/WOR/WOH/WOH	24	24		ORGANIC CLAYEY SILT *(con't)*	Dark gray ORGANIC clayey SILT, trace shells, very soft	
								-35
50	S-11	WOH/WOH 3 7	24	24			Dark gray ORGANIC clayey SILT, little f sand, transitioning to organic silt, soft	
						SILTY SAND		-40
55	S-12	13 10 12 18	24	14			Reddish-brown SILT, some f sand, medium dense	
								-45
60	S-13	10 20 26 35	24	15			Reddish-brown SILT, some f sand, dense	
								-50
65	S-14	12 19 14 30	24	18			Reddish-brown f SAND and SILT, dense	

Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%

Total Penetration in	NOTES: 1. SPT's taken with spooling winch and safety hammer	Sheet
Earth: 98.5ft Rock: 0ft	2. Hole drilled with a Diedrich D50 mounted on a rubber tracked ATV	3 of 5
No. of Soil Samples: 22 No. of Core Runs: 0	3. Hole grouted upon completion	SM-001-M REV. 1/02

Driller	W. Hoeckele	BORING LOG	Hole No.: MOW-3
Inspector:	D. D'Angelo	Town: New Haven	Stat./Offset:
Engineer:	Parsons Brinckerhoff	Project No.: 0301-0124	Northing: 668674
Start Date:	6-12-14	Route No.:	Easting: 952823
Finish Date:	6-13-14	Bridge No.:	Surface Elevation: 12.0

Project Description: New Haven Rail Yard Facilities Improvements - Maintenance of Way (MOW) Building

Casing Size/Type: HW	Sampler Type/Size: Split Spoon / 1-3/8" I.D.	Core Barrel Type:
Hammer Wt.: 300lb Fall: 24in.	Hammer Wt.: 140lb Fall: 30in.	

Groundwater Observations: @10.0 to 11.5 feet (Estimated)

Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
						SILTY SAND *(con't)*		-55
70	S-15	16 20 20 34	24	18			Reddish-brown f SAND, little silt, dense	
						SANDY SILT		-60
75	S-16	12 17 30 31	24	19			Reddish-brown SILT, some f sand, dense	
								-65
80	S-17	16 24 28 32	24	17			Reddish-brown SILT, some f sand, very dense	
						SILTY SAND		-70
85	S-18	20 33 38 32	24	15			Reddish-brown f SAND, little silt, very dense	
								-75

Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%

Total Penetration in	NOTES: 1. SPT's taken with spooling winch and safety hammer	Sheet
Earth: 98.5ft Rock: 0ft	2. Hole drilled with a Diedrich D50 mounted on a rubber tracked ATV	4 of 5
No. of Soil Samples: 22 No. of Core Runs: 0	3. Hole grouted upon completion	SM-001-M REV. 1/02

Driller	W. Hoeckele	BORING LOG	Hole No.: MOW-3
Inspector:	D. D'Angelo	Town: New Haven	Stat./Offset:
Engineer:	Parsons Brinckerhoff	Project No.: 0301-0124	Northing: 668674
Start Date:	6-12-14	Route No.:	Easting: 952823
Finish Date:	6-13-14	Bridge No.:	Surface Elevation: 12.0

Project Description: New Haven Rail Yard Facilities Improvements - Maintenance of Way (MOW) Building

Casing Size/Type: HW	Sampler Type/Size: Split Spoon / 1-3/8" I.D.	Core Barrel Type:
Hammer Wt.: 300lb Fall: 24in.	Hammer Wt.: 140lb Fall: 30in.	

Groundwater Observations: @10.0 to 11.5 feet (Estimated)

Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
						SILTY SAND *(cont)*		
90	S-19	13 15 20 16	24	14			Reddish-brown f SAND, little silt, dense	
								-80
95	S-20	12 21 27 27	24	17			Reddish-brown f SAND, little silt, dense	
								-85
100	S-21	15 21 23 34	24	19			Reddish-brown f SAND, little silt, dense	
							END OF BORING 101 ft	-90
105								-95
110								

Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%

Total Penetration in	NOTES: 1. SPT's taken with spooling winch and safety hammer	Sheet
Earth: 98.5ft Rock: 0ft	2. Hole drilled with a Diedrich D50 mounted on a rubber tracked ATV	5 of 5
No. of Soil Samples: 22 No. of Core Runs: 0	3. Hole grouted upon completion	SM-001-M REV. 1/02

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 3/29/2015

DESIGNER/DRAFTER: JLD

CHECKED BY: JLW

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: 20_GBRL_3010088_GB-003.dgn

SIGNATURE BLOCK: STATE OF CONNECTICUT LICENSED PROFESSIONAL ENGINEER

PARSONS BRINCKERHOFF
GLASTONBURY, CT

PROJECT TITLE:
NEW HAVEN RAIL YARD FACILITIES IMPROVEMENTS MAINTENANCE OF WAY BUILDING

TOWN: NEW HAVEN

DRAWING TITLE: BORING LOGS-3

PROJECT NO. 301-0124

DRAWING NO. GB-003

SHEET NO. 12.15

3/29/2015 9:02:46 AM
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BORING LOG

Driller	W. Hoeckele	Hole No.:	MOW-4
Inspector:	D. D'Angelo	Town:	New Haven
Stat./Offset:			
Engineer:	Parsons Brinckerhoff	Project No.:	0301-0124
Northing:	668575		
Start Date:	6-9-14	Route No.:	
Easting:	952874		
Finish Date:	6-10-14	Bridge No.:	
Surface Elevation:	12.0		

Project Description: New Haven Rail Yard Facilities Improvements - Maintenance of Way (MOW) Building

Casing Size/Type: HW	Sampler Type/Size: Split Spoon / 1-3/8" I.D.	Core Barrel Type:
Hammer Wt.: 300lb Fall: 24in.	Hammer Wt.: 140lb Fall: 30in.	

Groundwater Observations: @10.0 to 11.5 feet (Estimated)

Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
0						FLOOR SLAB	Cold Storage Facility Floor Slab: Concrete (0"-6"), Expanded Polystyrene (6"-14"), Concrete (14"-22")	
						VOID	Void between floor slab and ground surface (22"-30")	10
						SILTY GRAVELLY SAND		
	S-1	3 11 17 15	24	14			Reddish-brown c-f SAND, trace silt, trace m-f gravel, medium dense (PROBABLE FILL)	
5	S-2	9 8 11 38	24	10			Reddish-brown c-f SAND, little silt, little c-f gravel, medium dense (PROBABLE FILL)	5
10	S-3	18 21 6 4	24	9			Reddish-brown c-f SAND, little silt, little m-f gravel, medium dense (PROBABLE FILL)	0
15	S-4	8 12 23 29	24	16			S-4A (Above 15'): Reddish-brown f SAND and SILT, dense (PROBABLE FILL) S-4B (Below 15'): Gray-reddish-brown c-f SAND and m-f GRAVEL, dense (PROBABLE FILL)	-5
						SILTY SAND		
20	S-5	20 15 16 24	24	8			Reddish-brown over gray c-f SAND, little silt, trace f gravel, dense (PROBABLE FILL)	-10

Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%

Total Penetration in Earth: 98.5ft Rock: 0ft	NOTES: 1. SPT's taken with spooling winch and safety hammer 2. Hole drilled with a Diedrich D50 mounted on a rubber tracked ATV 3. Hole grouted upon completion	Sheet 1 of 5
No. of Soil Samples: 22 No. of Core Runs: 0		SM-001-M REV. 1/02

BORING LOG

Driller	W. Hoeckele	Hole No.:	MOW-4
Inspector:	D. D'Angelo	Town:	New Haven
Stat./Offset:			
Engineer:	Parsons Brinckerhoff	Project No.:	0301-0124
Northing:	668575		
Start Date:	6-9-14	Route No.:	
Easting:	952874		
Finish Date:	6-10-14	Bridge No.:	
Surface Elevation:	12.0		

Project Description: New Haven Rail Yard Facilities Improvements - Maintenance of Way (MOW) Building

Casing Size/Type: HW	Sampler Type/Size: Split Spoon / 1-3/8" I.D.	Core Barrel Type:
Hammer Wt.: 300lb Fall: 24in.	Hammer Wt.: 140lb Fall: 30in.	

Groundwater Observations: @10.0 to 11.5 feet (Estimated)

Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
						SILTY SAND *(con't)*		-10
						ORGANIC CLAYEY SILT		
25	S-6	WOHWOH 24 22	24	22			Dark gray ORGANIC clayey SILT, trace shells, medium stiff	-15
30	S-7	WOHWOHWOH 1	24	24			Gray ORGANIC clayey SILT, trace shells, very soft	-20
	UP-1	P U S H	24	22			Gray ORGANIC clayey SILT	
35	S-8	WOHWOHWOH 2	24	24			Gray ORGANIC clayey SILT, trace shells, very soft	-25
40	S-9	WORWOHWOHWOH	24	19			Gray ORGANIC clayey SILT, trace f sand, trace shells, very soft	-30

Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%

Total Penetration in Earth: 98.5ft Rock: 0ft	NOTES: 1. SPT's taken with spooling winch and safety hammer 2. Hole drilled with a Diedrich D50 mounted on a rubber tracked ATV 3. Hole grouted upon completion	Sheet 2 of 5
No. of Soil Samples: 22 No. of Core Runs: 0		SM-001-M REV. 1/02

BORING LOG

Driller	W. Hoeckele	Hole No.:	MOW-4
Inspector:	D. D'Angelo	Town:	New Haven
Stat./Offset:			
Engineer:	Parsons Brinckerhoff	Project No.:	0301-0124
Northing:	668575		
Start Date:	6-9-14	Route No.:	
Easting:	952874		
Finish Date:	6-10-14	Bridge No.:	
Surface Elevation:	12.0		

Project Description: New Haven Rail Yard Facilities Improvements - Maintenance of Way (MOW) Building

Casing Size/Type: HW	Sampler Type/Size: Split Spoon / 1-3/8" I.D.	Core Barrel Type:
Hammer Wt.: 300lb Fall: 24in.	Hammer Wt.: 140lb Fall: 30in.	

Groundwater Observations: @10.0 to 11.5 feet (Estimated)

Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
45	S-10	WOH 4 3 5	24	20		ORGANIC CLAYEY SILT *(con't)*	Gray ORGANIC clayey SILT, trace shells, medium stiff	-35
50	S-11	4 15 28 26	24	18		PEAT SILTY SAND	S-11A (Above 49.5'): Gray ORGANIC clayey SILT, trace shells, over 2" layer of peat, medium stiff to stiff S-11B (Below 49.5'): Gray c-f SAND, trace silt, dense	-40
55	S-12	13 18 24 17	24	14			Gray-brown c-f SAND, trace f gravel, trace silt, dense	-45
60	S-13	13 15 18 24	24	15			Reddish-brown f SAND, little silt, dense	-50
						SILT AND SAND		
65	S-14	11 23 27 36	24	13			Reddish-brown SILT and f SAND, dense to very dense	

Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%

Total Penetration in Earth: 98.5ft Rock: 0ft	NOTES: 1. SPT's taken with spooling winch and safety hammer 2. Hole drilled with a Diedrich D50 mounted on a rubber tracked ATV 3. Hole grouted upon completion	Sheet 3 of 5
No. of Soil Samples: 22 No. of Core Runs: 0		SM-001-M REV. 1/02

BORING LOG

Driller	W. Hoeckele	Hole No.:	MOW-4
Inspector:	D. D'Angelo	Town:	New Haven
Stat./Offset:			
Engineer:	Parsons Brinckerhoff	Project No.:	0301-0124
Northing:	668575		
Start Date:	6-9-14	Route No.:	
Easting:	952874		
Finish Date:	6-10-14	Bridge No.:	
Surface Elevation:	12.0		

Project Description: New Haven Rail Yard Facilities Improvements - Maintenance of Way (MOW) Building

Casing Size/Type: HW	Sampler Type/Size: Split Spoon / 1-3/8" I.D.	Core Barrel Type:
Hammer Wt.: 300lb Fall: 24in.	Hammer Wt.: 140lb Fall: 30in.	

Groundwater Observations: @10.0 to 11.5 feet (Estimated)

Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
						SILT AND SAND *(con't)*		-55
						SANDY SILT		
70	S-15	15 26 36 35	24	17			Reddish-brown SILT, some f sand, very dense	-60
75	S-16	15 20 34 35	24	14			Reddish-brown SILT, some f sand, very dense	-65
						SILT AND SAND		
80	S-17	17 25 30 30	24	12			Reddish-brown SILT and f SAND, very dense	-70
						SANDY SILT		
85	S-18	12 17 25 40	24	14			Reddish-brown SILT, some f sand, dense	-75
						SILTY SAND		

Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%

Total Penetration in Earth: 98.5ft Rock: 0ft	NOTES: 1. SPT's taken with spooling winch and safety hammer 2. Hole drilled with a Diedrich D50 mounted on a rubber tracked ATV 3. Hole grouted upon completion	Sheet 4 of 5
No. of Soil Samples: 22 No. of Core Runs: 0		SM-001-M REV. 1/02

BORING LOG

Driller	W. Hoeckele	Hole No.:	MOW-4
Inspector:	D. D'Angelo	Town:	New Haven
Stat./Offset:			
Engineer:	Parsons Brinckerhoff	Project No.:	0301-0124
Northing:	668575		
Start Date:	6-9-14	Route No.:	
Easting:	952874		
Finish Date:	6-10-14	Bridge No.:	
Surface Elevation:	12.0		

Project Description: New Haven Rail Yard Facilities Improvements - Maintenance of Way (MOW) Building

Casing Size/Type: HW	Sampler Type/Size: Split Spoon / 1-3/8" I.D.	Core Barrel Type:
Hammer Wt.: 300lb Fall: 24in.	Hammer Wt.: 140lb Fall: 30in.	

Groundwater Observations: @10.0 to 11.5 feet (Estimated)

Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
						SILTY SAND *(con't)*		
90	S-19	22 36 38 36	24	12			Reddish-brown f SAND, little silt, very dense	-80
95	S-20	22 25 21 20	24	13			Reddish-brown f SAND, little silt, dense	-85
100	S-21	28 30 30 29	24	14			Reddish-brown f SAND, little silt, very dense	
							END OF BORING 101 ft	-90
105								-95
110								

Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%

Total Penetration in Earth: 98.5ft Rock: 0ft	NOTES: 1. SPT's taken with spooling winch and safety hammer 2. Hole drilled with a Diedrich D50 mounted on a rubber tracked ATV 3. Hole grouted upon completion	Sheet 5 of 5
No. of Soil Samples: 22 No. of Core Runs: 0		SM-001-M REV. 1/02

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 3/29/2015

DESIGNER/DRAFTER: JLD

CHECKED BY: JLW

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: 20_GBRL_3010088_GB-004.dgn

SIGNATURE BLOCK: STATE OF CONNECTICUT LICENSED PROFESSIONAL ENGINEER

PARSONS BRINCKERHOFF
GLASTONBURY, CT

PROJECT TITLE:
NEW HAVEN RAIL YARD FACILITIES IMPROVEMENTS MAINTENANCE OF WAY BUILDING

TOWN: NEW HAVEN

DRAWING TITLE: BORING LOGS-4

PROJECT NO. 301-0124

DRAWING NO. GB-004

SHEET NO. 12.16

3/29/2015 9:03:02 AM
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BORING LOG

Driller: W. Hoeckele	BORING LOG	Hole No.: MOW-5	
Inspector: D. D'Angelo	Town: New Haven	Stat./Offset:	
Engineer: Parsons Brinckerhoff	Project No.: 0301-0124	Northing: 668648	
Start Date: 6-10-14	Route No.:	Easting: 952927	
Finish Date: 6-11-14	Bridge No.:	Surface Elevation: 12.0	
Project Description: New Haven Rail Yard Facilities Improvements - Maintenance of Way (MOW) Building			
Casing Size/Type: HW	Sampler Type/Size: Split Spoon / 1-3/8" I.D.	Core Barrel Type:	
Hammer Wt.: 300lb Fall: 24in.	Hammer Wt.: 140lb Fall: 30in.		
Groundwater Observations: @10.0 to 11.5 feet (Estimated)			

Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
0						FLOOR SLAB	Cold Storage Facility Floor Slab: Concrete (0"-6"), Expanded Polystyrene (6"-14"), Concrete (14"-22")	
						VOID	Void between floor slab and ground surface (22"-26")	10
	S-1	2 2 21 51	24	11		SILTY GRAVELLY SAND	Reddish-brown c-f SAND, some silt, little m-f gravel, loose to medium dense (PROBABLE FILL)	
5	S-2	13 18 13 19	24	12			Reddish-brown c-f SAND, little m-f gravel, trace silt, dense (PROBABLE FILL)	5
10	S-3	15 11 10 15	24	9			Reddish-brown and dark gray c-f SAND, little silt, trace m-f gravel, medium dense (PROBABLE FILL)	0
						SAND AND GRAVEL		
15	S-4	12 12 15 23	24	14			Gray-brown c-f SAND, little m-f gravel, trace silt, medium dense (PROBABLE FILL)	-5
20	S-5	14 15 16 17	24	6			Gray-brown c-f SAND and m-f GRAVEL, dense (PROBABLE FILL)	-10

Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%

Total Penetration in Earth: 98.8ft Rock: 0ft	NOTES: 1. SPT's taken with spooling winch and safety hammer 2. Hole drilled with a Diedrich D50 mounted on a rubber tracked ATV 3. Hole grouted upon completion	Sheet 1 of 5
No. of Soil Samples: 23 No. of Core Runs: 0		SM-001-M REV. 1/02

BORING LOG

Driller: W. Hoeckele	BORING LOG	Hole No.: MOW-5	
Inspector: D. D'Angelo	Town: New Haven	Stat./Offset:	
Engineer: Parsons Brinckerhoff	Project No.: 0301-0124	Northing: 668648	
Start Date: 6-10-14	Route No.:	Easting: 952927	
Finish Date: 6-11-14	Bridge No.:	Surface Elevation: 12.0	
Project Description: New Haven Rail Yard Facilities Improvements - Maintenance of Way (MOW) Building			
Casing Size/Type: HW	Sampler Type/Size: Split Spoon / 1-3/8" I.D.	Core Barrel Type:	
Hammer Wt.: 300lb Fall: 24in.	Hammer Wt.: 140lb Fall: 30in.		
Groundwater Observations: @10.0 to 11.5 feet (Estimated)			

Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
								-10
						ORGANIC CLAYEY SILT		
25	S-6	WOH 2 3 3	24	24			Dark gray ORGANIC clayey SILT, trace f sand, trace shells, medium stiff	
								-15
	UP-1	P U S H	24	11			Dark gray ORGANIC clayey SILT	
30	S-7	WOHWOHWOH 3	24	24			Dark gray ORGANIC clayey SILT, trace shells, very soft	
								-20
35	S-8	WOHWOHWOHWOH	24	24			Dark gray ORGANIC clayey SILT, trace shells, very soft	
								-25
	UP-2	P U S H	24	23			Dark gray ORGANIC clayey SILT, trace shells	
40	S-9	WORWOH 3 4	24	24			Dark gray ORGANIC clayey SILT, trace shells, soft	
								-30

Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%

Total Penetration in Earth: 98.8ft Rock: 0ft	NOTES: 1. SPT's taken with spooling winch and safety hammer 2. Hole drilled with a Diedrich D50 mounted on a rubber tracked ATV 3. Hole grouted upon completion	Sheet 2 of 5
No. of Soil Samples: 23 No. of Core Runs: 0		SM-001-M REV. 1/02

BORING LOG

Driller: W. Hoeckele	BORING LOG	Hole No.: MOW-5	
Inspector: D. D'Angelo	Town: New Haven	Stat./Offset:	
Engineer: Parsons Brinckerhoff	Project No.: 0301-0124	Northing: 668648	
Start Date: 6-10-14	Route No.:	Easting: 952927	
Finish Date: 6-11-14	Bridge No.:	Surface Elevation: 12.0	
Project Description: New Haven Rail Yard Facilities Improvements - Maintenance of Way (MOW) Building			
Casing Size/Type: HW	Sampler Type/Size: Split Spoon / 1-3/8" I.D.	Core Barrel Type:	
Hammer Wt.: 300lb Fall: 24in.	Hammer Wt.: 140lb Fall: 30in.		
Groundwater Observations: @10.0 to 11.5 feet (Estimated)			

Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
45	S-10	WORWORWOH 5	24	24		ORGANIC CLAYEY SILT *(con't)*	Dark gray ORGANIC clayey SILT, trace shells, very soft	
								-35
						SILTY SAND		
50	S-11	16 24 28 31	24	16			Gray c-f SAND, trace silt, very dense	
								-40
55	S-12	10 10 11 18	24	18			Reddish-brown f SAND, some silt, medium dense	
								-45
60	S-13	12 12 19 23	24	12			Reddish-brown f SAND, little silt, dense	
								-50
						SILT AND SAND		
65	S-14	8 10 15 22	24	19			Reddish-brown SILT and f SAND, dense	

Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%

Total Penetration in Earth: 98.8ft Rock: 0ft	NOTES: 1. SPT's taken with spooling winch and safety hammer 2. Hole drilled with a Diedrich D50 mounted on a rubber tracked ATV 3. Hole grouted upon completion	Sheet 3 of 5
No. of Soil Samples: 23 No. of Core Runs: 0		SM-001-M REV. 1/02

BORING LOG

Driller: W. Hoeckele	BORING LOG	Hole No.: MOW-5	
Inspector: D. D'Angelo	Town: New Haven	Stat./Offset:	
Engineer: Parsons Brinckerhoff	Project No.: 0301-0124	Northing: 668648	
Start Date: 6-10-14	Route No.:	Easting: 952927	
Finish Date: 6-11-14	Bridge No.:	Surface Elevation: 12.0	
Project Description: New Haven Rail Yard Facilities Improvements - Maintenance of Way (MOW) Building			
Casing Size/Type: HW	Sampler Type/Size: Split Spoon / 1-3/8" I.D.	Core Barrel Type:	
Hammer Wt.: 300lb Fall: 24in.	Hammer Wt.: 140lb Fall: 30in.		
Groundwater Observations: @10.0 to 11.5 feet (Estimated)			

Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
						SILT AND SAND *(con't)*		
						SILTY SAND		-55
70	S-15	18 29 27 34	24	16			Reddish-brown f SAND, some silt, very dense	
								-60
75	S-16	13 21 20 23	24	18			Reddish-brown f SAND, little silt, dense	
								-65
80	S-17	10 16 16 29	24	14			Reddish-brown f SAND, some silt, dense	
								-70
						SANDY SILT		
85	S-18	10 16 28 33	24	21			Reddish-brown SILT, some f sand dense	
								-75
						SILTY SAND		

Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%

Total Penetration in Earth: 98.8ft Rock: 0ft	NOTES: 1. SPT's taken with spooling winch and safety hammer 2. Hole drilled with a Diedrich D50 mounted on a rubber tracked ATV 3. Hole grouted upon completion	Sheet 4 of 5
No. of Soil Samples: 23 No. of Core Runs: 0		SM-001-M REV. 1/02

BORING LOG

Driller: W. Hoeckele	BORING LOG	Hole No.: MOW-5	
Inspector: D. D'Angelo	Town: New Haven	Stat./Offset:	
Engineer: Parsons Brinckerhoff	Project No.: 0301-0124	Northing: 668648	
Start Date: 6-10-14	Route No.:	Easting: 952927	
Finish Date: 6-11-14	Bridge No.:	Surface Elevation: 12.0	
Project Description: New Haven Rail Yard Facilities Improvements - Maintenance of Way (MOW) Building			
Casing Size/Type: HW	Sampler Type/Size: Split Spoon / 1-3/8" I.D.	Core Barrel Type:	
Hammer Wt.: 300lb Fall: 24in.	Hammer Wt.: 140lb Fall: 30in.		
Groundwater Observations: @10.0 to 11.5 feet (Estimated)			

Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
						SILTY SAND *(cont)*		
90	S-19	27 34 35 48	24	20			Reddish-brown f SAND, some silt, very dense	
								-80
95	S-20	11 20 31 38	24	19			Reddish-brown f SAND, little silt, very dense	
								-85
100	S-21	20 33 30 36	24	18			Reddish-brown f SAND, some silt, very dense	
							END OF BORING 101 ft	-90
105								-95
110								

Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%

Total Penetration in Earth: 98.8ft Rock: 0ft	NOTES: 1. SPT's taken with spooling winch and safety hammer 2. Hole drilled with a Diedrich D50 mounted on a rubber tracked ATV 3. Hole grouted upon completion	Sheet 5 of 5
No. of Soil Samples: 23 No. of Core Runs: 0		SM-001-M REV. 1/02

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 3/29/2015

DESIGNER/DRAFTER: JLD

CHECKED BY: JLW

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: 20_GBRL_3010088_GB-005.dgn

SIGNATURE BLOCK: STATE OF CONNECTICUT LICENSED PROFESSIONAL ENGINEER

PARSONS BRINCKERHOFF
GLASTONBURY, CT

PROJECT TITLE:
NEW HAVEN RAIL YARD FACILITIES IMPROVEMENTS MAINTENANCE OF WAY BUILDING

TOWN: NEW HAVEN

DRAWING TITLE: BORING LOGS-5

PROJECT NO. 301-0124

DRAWING NO. GB-005

SHEET NO. 12.17

3/29/2015 9:03:19 AM
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PREP _____ RECM _____ (TITLE / DATE) APP. _____ (TITLE / DATE)

BILLING _____ BILLING TO _____

FROM _____

at&t

TYPE	WORK COMPLETED	DATE	BY	TITLE
START –	CABLE DATE		COMP. –	CABLE DATE
	CONST. DATE			CONST. DATE

CALL BEFORE YOU DIG 1-800-922-4455

CA – PL _____ COND PL *VARIOUS* MAP _____

AT&T

SERV ORDER NO. _____ SERV. DATE _____ ADVANCE TO CONSTR. _____

TITLE AND LOCATION: CONDUIT AND MANHOLE CONSTRUCTION ON BREWERY STREET AT THE NEW HAVEN RAIL YARD

JUSTIFICATION FOR DOING WORK: TO ACCOMMODATE THE DESIGN OF STATE HWY. PROJ. #301-88 "NEW HAVEN RAIL YARD FACILITIES IMPROVEMENTS"

(MONTH) (DAY) (YR.) CABLE DLVRY _____ STATE HWY. PROJ. *#301-88* SPAN NO. _____

LABOR CODES: L D E

W.O. NO. *6639662*
PROJ. _____ PR. *10* OF ***
EXCH. NEW HAVEN
C.O. AREA MAIN
TOWN NEW HAVEN
CLASS A AREA 1100

FILE : NHRAILYARDCOV
ACCTS : 4C, 4M
RC-C : YFKB3E800
RC-CONST: YFKB3E200
I. D. # _____

CONDUIT GENERAL NOTES:

1. ALL MEASUREMENTS ARE APPROXIMATE. CONDUIT INSPECTOR TO VERIFY AND RECORD MEASUREMENTS REQUIRED FOR RECORDS.
2. THE LOCATIONS OF UNDERGROUND STRUCTURES SHOWN HEREIN ARE ACCORDING TO THE BEST AVAILABLE INFORMATION. THEY ARE NOT GUARANTEED TO BE CORRECT OR COMPLETE.
3. DO NOT DEVIATE FROM THESE PLANS WITHOUT FIRST CONTACTING THE AREA CONDUIT ENGINEERING GROUP: CLAUDIO ANANIA 203-238-5653
4. CONTRACTOR TO ARRANGE TO HAVE ALL UTILITIES VERIFY THEIR POSITIONS IN THE FIELD BEFORE STARTING EXCAVATIONS. UTILITY SERVICES TO PROPERTIES ARE NOT SHOWN ON THESE PRINTS.
5. CONNECTICUT BUREAU OF HIGHWAYS PERMIT APPLIED FOR BY AREA CONDUIT ENGINEERING GROUP ON / / . CONDUIT INSPECTOR TO NOTIFY BUREAU OF HIGHWAYS 48 HOURS PRIOR TO START OF CONSTRUCTION. REFER TO PERMIT # *3003922 – ISSUED ON 9-21-04*
6. CONTRACTOR TO OBTAIN MUNICIPAL EXCAVATION PERMITS WHERE APPLICABLE.
7. PROTECT ALL TOWN, STATE, AND FEDERAL MONUMENTS AND BENCH MARKS. CONDUIT INSPECTOR TO CONTACT RESPECTIVE ENGINEERING DEPARTMENTS FOR TYPES AND LOCATIONS BEFORE STARTING WORK.
8. PROTECT ALL PLANTS AND TREES AND THEIR ROOT SYSTEMS FROM MECHANICAL AND ENVIRONMENTAL DAMAGE DURING EXCAVATION. BACK-FILL ROOT AREAS WITH SOIL HAVING TEXTURE AND FERTILITY TO SUSTAIN PLANT LIFE. CONTRACTOR TO REMOVE ALL ROOTS OF DEAD TREE STUMPS FROM TRENCH PRIOR TO PLACING CONDUIT.
9. THE FOLLOWING MINIMUM CLEARANCES SHALL BE MAINTAINED UNLESS OTHERWISE NOTED:

UTILITY	CROSSING	PARALLEL
GAS MAIN	12"	30"
GAS SERVICE	12"	12"
WATER MAIN	12"	18"
WATER SERVICE	12"	12"
ELECTRIC FACILITIES	12"	12"
STM & SAN. SEWERS	12"	12"

10. CONDUIT TO BE PLACED AT MINIMUM OF 36 " BELOW ELEVATION OF NEAREST PORTION OF ROAD PAVEMENT UNLESS OTHERWISE NOTED. MANHOLES TO HAVE A MINIMUM OF 24 " COVER FROM NEAREST ROAD PAVEMENT UNLESS OTHERWISE NOTED.
11. CONDUIT INSPECTOR/CONSTRUCTION FOREMAN TO COMPLETE FORM 56 FOR ALL 4C AND\OR 4X WORK. REF TO BSP 004-517-010SN.
12. AT BENDS HAVING RADII OF 80 FEET OR LESS, OR AT GRADE CHANGES OF 20 PERCENT (11.3 DEGREES) OR MORE, PERMANENT SPACERS ARE REQUIRED TO PROVIDE A MINIMUM HORIZONTAL AND VERTICAL SEPARATION OF 1 INCH BETWEEN ADJACENT DUCTS AND 1 1/2 INCHES MINIMUM CLEARANCE BETWEEN THE FIRST TIER OF DUCTS AND THE TRENCH BOTTOM.
13. ALL WORK IS TO CONFORM WITH APPLICABLE PROVISIONS OF THE NATIONAL ELECTRICAL SAFETY CODE, PUC DOCKET 8950 PUC DOCKET 9000, PUC DOCKET LO300, O.S.H.A. AND ANY AND ALL OTHER FEDERAL, STATE OR MUNICIPAL CODES OR LAWS THAT MAY APPLY. IN ADDITION, ALL WORK WITHIN THE LIMITS OF FEDERAL AND STATE HIGHWAY SHALL CONFORM TO CONNECTICUT BUREAU OF HIGHWAYS PERMITTEE MANUAL AND ALL PROVISIONS OF THE PERMIT(S) ISSUED BY THE CONNECTICUT BUREAU OF HIGHWAYS.
14. ALL CONDUIT AND MANHOLES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS (BELL SYSTEM PRACTICES) UNLESS OTHERWISE NOTED:

TESTING & VENTILATION OF MANHOLES	620-140-501SN
CONCRETE AND MANHOLE CONSTRUCTION	622-020-020
CONDUIT & MANHOLE-PRECAUTIONS	622-100-010
MAIN CONDUIT-STEEL PIPE	622-315-200
MAIN CONDUIT-TYPE 1 FIBER CONDUIT	622-325-200
MAIN CONDUIT-TYPE 11 FIBER CONDUIT	622-325-201
MAIN CONDUIT-B PLASTIC	622-340-200
MAIN CONDUIT-C PLASTIC	622-340-201
MANHOLE-IDENTIFICATION	622-500-020
MANHOLE-EQUIPPING	622-520-100
B FISHING KIT	649-325-101
SEALING DUCTS-CONDITIONS REQUIRING SEALS	628-220-200
16 FEET C.E.V. DESCRIPTION	622-506-050
16 FEET C.E.V.-INSTALLATION	622-506-225
16 FEET C.E.V.-OPERATION & MAINTENANCE	622-506-226

15. IN AREAS WHERE EXCAVATION IS IN ROCK LEDGE PROVIDE 6 INCH MINIMUM SELECT FILL CUSHION AROUND CONDUIT AND 12 INCH CUSHION AROUND MANHOLES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ANY AND ALL BLASTING PERMITS.
16. "UNUSABLE" CONDUIT SCRAP SUCH AS CUT OFF ENDS, BROKEN OR SPLIT STOCK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DISPOSE OF IN AN ENVIRONMENTALLY SAFE MANNER.
17. THESE PRINTS HAVE BEEN REVIEWED WITH:

MIKE LOMBARDI	FRED BUCCHIERI
AREA MGR. – ENGINEERING	MANAGER-CONDUIT CONSTRUCTION
MIKE FAHERTY	CLAUDIO ANANIA
MANAGER-CONSTRUCTION	BY

18. *BILL STATE OF CONNECTICUT D.O.T. 100% OF COSTS IN ACCORDANCE WITH SECTION 13A-126 OF THE GENERAL STATUTES AS IT PERTAINS TO NON-ACCESS HIGHWAYS AND REFERENCE ALL BILLING TO AT&T'S BREAKOUT STATE HIGHWAY PROJECT NO. 301-88.*

READY FOR CABLE DATE _____ (FIRM)

FINAL RESTORATION DATE _____ (FIRM)

CONDUIT START DATE _____

CONDUIT COMPLETION DATE _____

APPROXIMATE QUANTITIES:

TRENCH FEET: *1,380'±* DUCT FEET: *13,500'±*

D.F. 4" P, TYPE B *13,500'±*

UNIT 4" PLASTIC BEND 90 *10*

UNIT 10'X5'X7' PRECAST CONC. MANHOLE: *1*

UNIT 10'X5'X7' SPLIT BOTTOM PRECAST CONCRETE MANHOLE: *1*

MANHOLE FRAMES AND COVERS: *2*

BRACKET FOR 4220K-TYPE CABINET: *1*

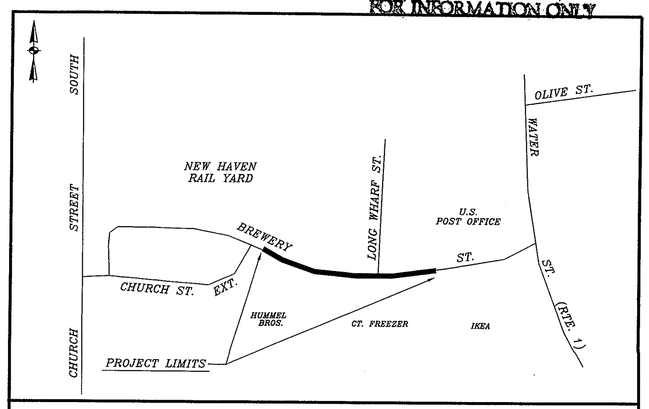
LEGEND

- PROPOSED S.N.E.T.C.O. CONDUIT AND MANHOLE
- EXISTING S.N.E.T.C.O. CONDUIT AND MANHOLE
- EXISTING EL. CO. CONDUIT AND MANHOLE
- EXISTING WATER MAIN
- EXISTING GAS MAIN
- EXISTING – SANITARY SEWER / STORM SEWER / DRAINAGE SYSTEM
- ROCK OR ROCK OUTCROP
- RETAINING WALL
- WIRE ROPE RAILING
- FENCE
- HEDGE
- STONE WALL
- HIGHWAY TAKING LINE AND MONUMENT
- CATCHBASIN
- W.G. G.G. WATER GATE OR GAS GATE
- UTILITY POLE
- HYD. FIRE HYDRANT
- TREE
- MARSH OR SWAMP
- SCALE AS SHOWN

GENERAL NOTES (CONTINUED):

20. *AT&T CONTRACTOR TO COMPLETE D.O.T. FORM CON-40'S ON A REGULAR BASIS AS REQUIRED BY AT&T CONDUIT INSPECTOR AND/OR D.O.T INSPECTOR.*
21. *ALL FINAL GRADES, INVERT ELEVATIONS, PROPOSED CURB LINES, ETC. TO BE COORDINATED WITH D.O.T. FIELD INSPECTOR* _____
22. *ALL PAVEMENT MARKINGS IMPACTED BY PROPOSED WORK TO BE RE-ESTABLISHED TO ORIGINAL CONDITION.*
23. *ALL TRAFFIC LOOPS (BOTH D.O.T & CITY OF NEW HAVEN) THAT ARE CUT, SAWCUT, OR IMPACTED IN SOME WAY DURING PROPOSED CONSTRUCTION MUST BE COMPLETELY REPLACED.*
24. *AT&T CONTRACTOR TO ALSO OBTAIN PERMITS FROM THE CITY OF NEW HAVEN DEPARTMENTS OF TRAFFIC & PARKING AND ENGINEERING & PUBLIC WORKS FOR THIS WORK PRIOR TO START OF CONSTRUCTION.*

UTILITY PLAN
FOR INFORMATION ONLY



LOCATION MAP

CITY OF NEW HAVEN N.T.S.

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REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 3/29/2015

DESIGNER/DRAFTER: AT&T
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STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: 20_GATT_3010088_GA-003.dgn

SIGNATURE BLOCK: STATE OF CONNECTICUT LICENSED PROFESSIONAL ENGINEER

PARSONS BRINCKERHOFF
GLASTONBURY, CT

PROJECT TITLE: NEW HAVEN RAIL YARD FACILITIES IMPROVEMENTS

TOWN: NEW HAVEN

DRAWING TITLE: CONDUIT AND MANHOLE CONSTRUCTION ON BREWERY ST

PROJECT NO. 301-0124
DRAWING NO. GA-003
SHEET NO. 12.18

3/29/2015 8:56:54 AM
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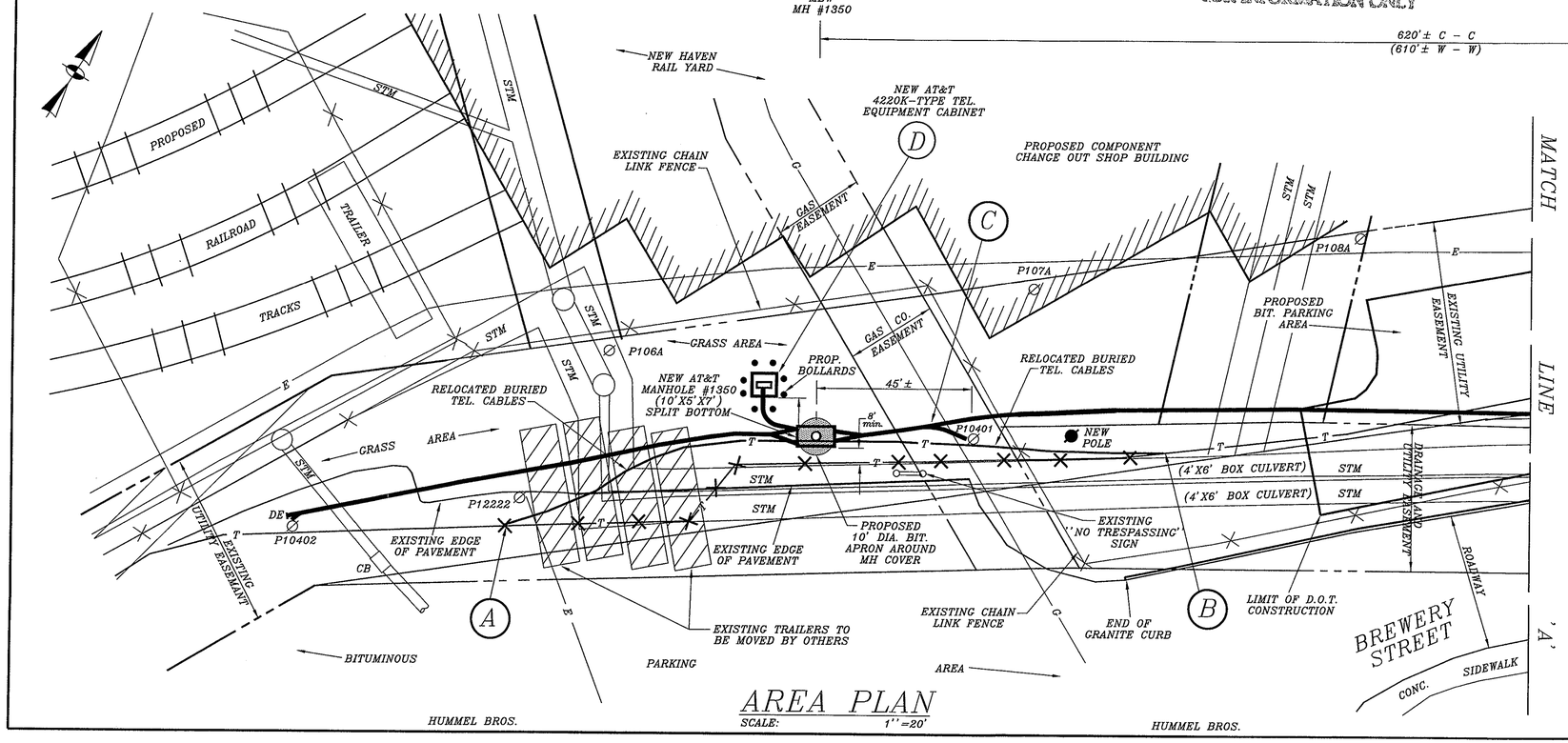
4M A EXPOSE AND RELOCATE: 100'± OF THREE (3) DIRECT BURIED TELEPHONE CABLES FROM POINT 'A' TO POINT 'B' AS SHOWN AND PREPARE AREA FOR INSTALLATION OF NEW MANHOLE. *** CAUTION: WORKING CABLES ***

4C 1 PLACE: NEW MANHOLE #1350 – 10'X5'X7' (PRECAST CONCRETE) SPLIT BOTTOM WITH SLOTTED TOP OVER EXISTING RELOCATED TELEPHONE CABLES AS SHOWN. SEE PRINT 1f FOR MANHOLE DETAIL.

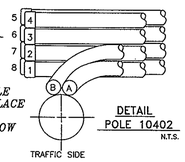
UTILITY PLAN
FOR INFORMATION ONLY

CABLE PL	AT&T			CLASS A	WO 6639662
CONDUIT PL NEW	EXCHANGE NEW HAVEN	TOWN NEW HAVEN		AREA 1100	PRINT 1b OF *
MAP	WIRE CENTER MAIN			TS PLOT SCALE: 1''=40'	
FILE NHRAILYARD4	LOCATION BREWERY STREET AT THE NEW HAVEN RAIL YARD				

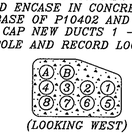


AREA PLAN
SCALE: 1''=20'

4C 2 PLACE: 125'± OF 10 – 4'' P TYPE B FROM NEW MANHOLE #1350 TO P10402 AND ENCASE IN CONCRETE. PLACE 2 – 90° BENDS AT BASE OF P10402 AND CAP NEW DUCTS A & B. CAP NEW DUCTS 1 – 8 BELOW GRADE AT BASE OF POLE AND RECORD LOCATION.



DETAIL POLE 10402
N.T.S.



(LOOKING WEST)

4C 3 PLACE: 15'± OF 6 – 4'' P TYPE B FROM NEW MANHOLE #1350 TO POINT 'D' AND ENCASE IN CONCRETE. PLACE 6 – 90° BENDS AT POINT 'D' AND CAP NEW DUCTS E – J.

(LOOKING NORTH)

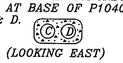
4C B POUR-IN-PLACE: CONCRETE PAD FOR NEW 4220K-TYPE CABINET AT POINT 'D' AS SHOWN. AT&T CONTRACTOR TO PROVIDE ATT FORMS, CONCRETE, HEAVY-DUTY WIRE MESH, ETC. TO CONSTRUCT PAD. SEE PRINT 1g FOR PAD SPECIFICATIONS.

4C C CONSTRUCT: EIGHT (8) BOLLARDS AROUND NEW CONCRETE PAD AS SHOWN. SEE PRINT 1h FOR BOLLRD DETAIL.

4C 4 PLACE: 25'± OF 10 – 4'' P TYPE B FROM NEW MANHOLE #1350 TO POINT 'C' AND ENCASE IN CONCRETE.

(LOOKING EAST)

4C 5 PLACE: 10'± OF 2 – 4'' P TYPE B FROM POINT 'C' TO P0401 AND ENCASE IN CONCRETE. PLACE 2 – 90° BENDS AT BASE OF P10401 AND CAP NEW DUCTS C & D.



(LOOKING EAST)

DETAIL P10401
N.T.S.

4C D CONSTRUCT: 10' DIAMETER BITUMINOUS CONCRETE APRON AROUND PERIMETER OF FRAME AND COVER ON NEW MANHOLE #1350 AS SHOWN. SEE DETAIL ON PRINT 1h.

4C E FINAL RESTORATION

4C F PRELIMINARY RESTORATION

AT&T CONTRACTOR IS ONLY RESPONSIBLE FOR FINAL RESTORATION IN THE AREAS OUTSIDE LIMITS OF D.O.T. CONSTRUCTION AS SHOWN – SEE PRINT 1h FOR CITY OF NEW HAVEN TRENCH RESTORATION SPECIFICATIONS

1b

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STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

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SIGNATURE BLOCK: STATE OF CONNECTICUT ANTHONY A. MINETTI LICENSED PROFESSIONAL ENGINEER

PARSONS BRINCKERHOFF
GLASTONBURY, CT

PROJECT TITLE:
NEW HAVEN RAIL YARD FACILITIES IMPROVEMENTS

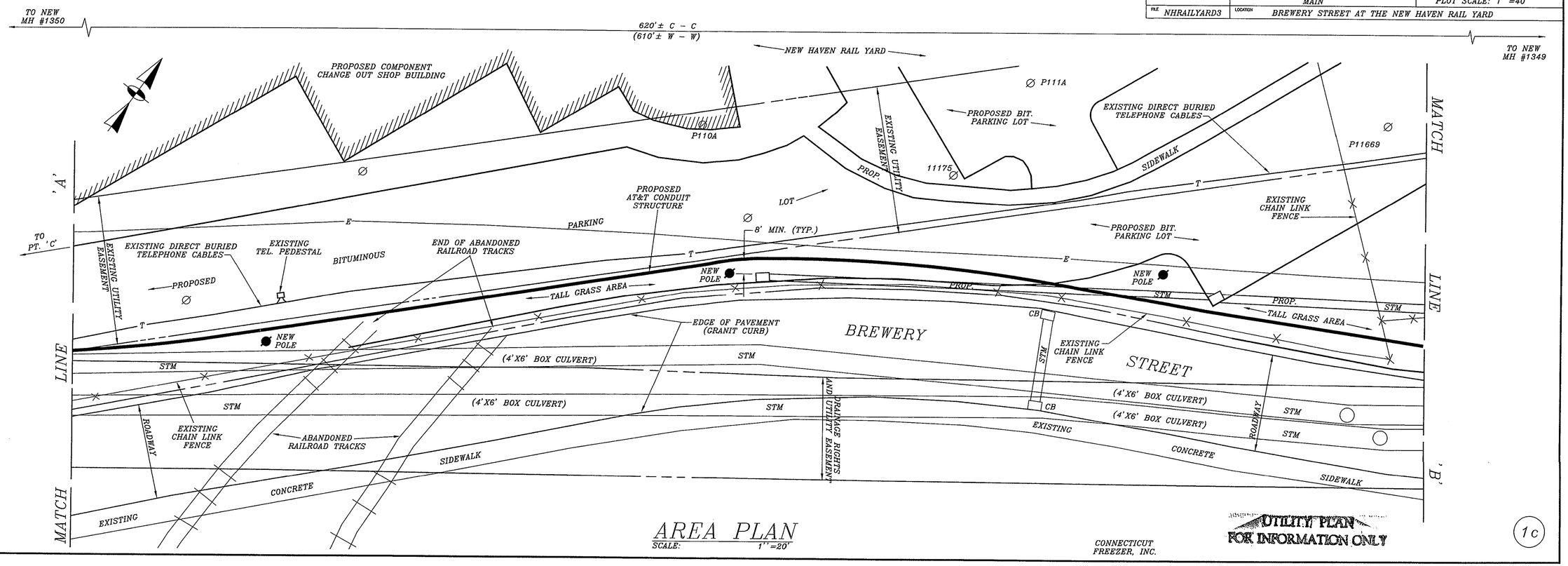
TOWN: NEW HAVEN

DRAWING TITLE:
CONDUIT AND MANHOLE CONSTRUCTION ON BREWERY ST

PROJECT NO. 301-0124
DRAWING NO. GA-004
SHEET NO. 12.19

CABLE PL	AT&T		CLASS A	WO NO 6639662
CONDUIT PL NEW	EXCHANGE NEW HAVEN	TOWN NEW HAVEN	AREA 1100	PRINT 1c OF *
MAP	WIRE CENTER MAIN		T S PLOT SCALE: 1''=40'	
FILE NHRAILYARD3	LOCATION BREWERY STREET AT THE NEW HAVEN RAIL YARD			

* THERE ARE NO CUBES ON THIS PRINT *



AREA PLAN
SCALE: 1''=20'

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REV.	DATE	REVISION DESCRIPTION	SHEET NO.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 3/29/2015

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CHECKED BY: AT&T

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: 20_GATT_3010088_GA-005.dgn

SIGNATURE BLOCK: STATE OF CONNECTICUT LICENSED PROFESSIONAL ENGINEER
PARSONS BRINCKERHOFF
GLASTONBURY, CT

PROJECT TITLE:
NEW HAVEN RAIL YARD FACILITIES IMPROVEMENTS

TOWN: NEW HAVEN

DRAWING TITLE: CONDUIT AND MANHOLE CONSTRUCTION ON BREWERY ST

PROJECT NO. 301-0124
DRAWING NO. GA-005
SHEET NO. 12.20

3/29/2015 8:58:20 AM
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CABLE PL	AT&T	CLASS A	WO 8639662
CONDUIT PL NEW	EXCHANGE NEW HAVEN / TOWN NEW HAVEN	AREA 1100	PRINT 1d OF *
MAP	WIRE CENTER MAIN	T S PLOT SCALE: 1''=40'	
FILE NHRAILYARD2	LOCATION BREWERY STREET AT THE NEW HAVEN RAIL YARD		

4C 1 PLACE: NEW MANHOLE #1349 (10'X5'X7') PRECAST CONCRETE AS SHOWN. SEE DETAIL OF NEW MANHOLE #1349 ON PRINT 1f.

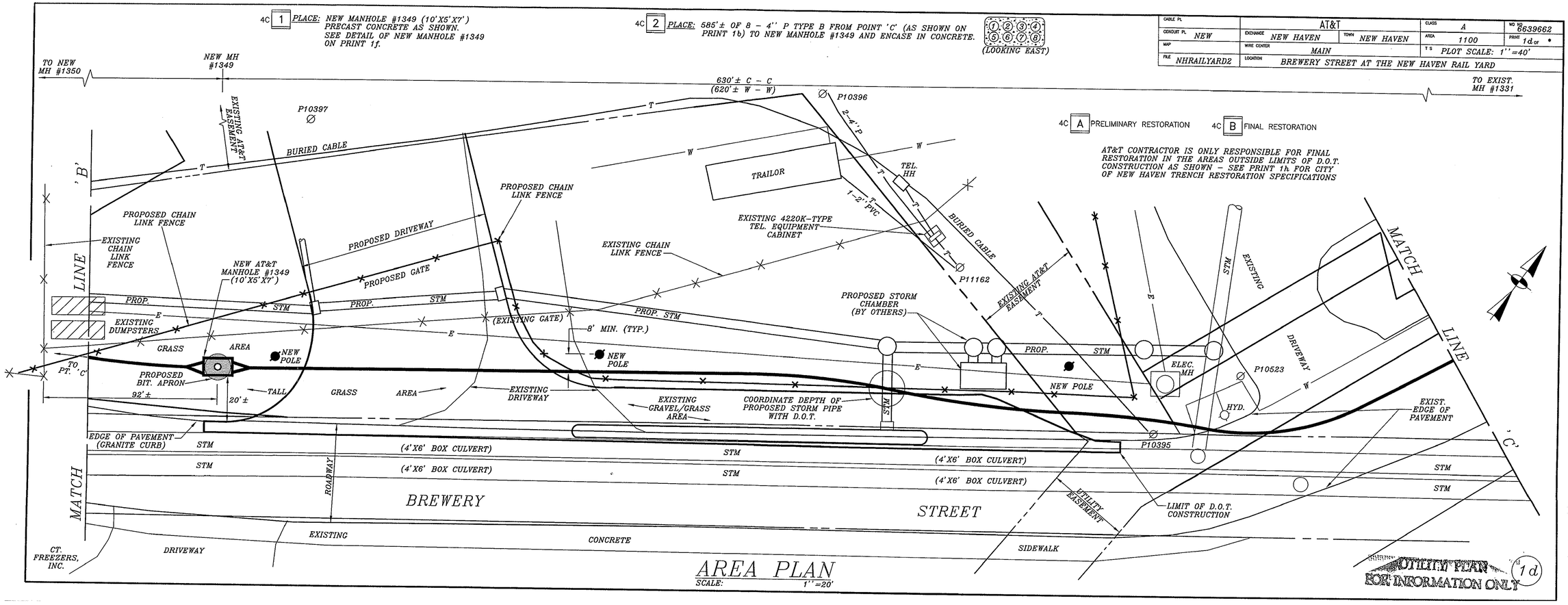
4C 2 PLACE: 585'± OF 8 – 4'' P TYPE B FROM POINT 'C' (AS SHOWN ON PRINT 1b) TO NEW MANHOLE #1349 AND ENCASE IN CONCRETE.

(LOOKING EAST)

4C A PRELIMINARY RESTORATION

4C B FINAL RESTORATION

AT&T CONTRACTOR IS ONLY RESPONSIBLE FOR FINAL RESTORATION IN THE AREAS OUTSIDE LIMITS OF D.O.T. CONSTRUCTION AS SHOWN – SEE PRINT 1h FOR CITY OF NEW HAVEN TRENCH RESTORATION SPECIFICATIONS



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REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 3/29/2015

DESIGNER/DRAFTER: AT&T

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STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: 20_GATT_3010088_GA-006.dgn

SIGNATURE BLOCK: STATE OF CONNECTICUT ANTHONY A. MUSETTI LICENSED PROFESSIONAL ENGINEER

PARSONS BRINCKERHOFF
GLASTONBURY, CT

PROJECT TITLE:
NEW HAVEN RAIL YARD FACILITIES IMPROVEMENTS

TOWN: NEW HAVEN

DRAWING TITLE: CONDUIT AND MANHOLE CONSTRUCTION ON BREWERY ST

PROJECT NO. 301-0124

DRAWING NO. GA-006

SHEET NO. 12.21

3/29/2015 8:58:39 AM
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CABLE PL	AT&T		CLASS A	WO 6639662
CONDUIT PL NEW	EXCHANGE NEW HAVEN	TOWN NEW HAVEN	AREA 1100	PRINT 1e OF *
MAP	WIRE CENTER MAIN		T S PLOT SCALE: 1'' =40'	
FILE NHRAILYARD1	LOCATION BREWERY STREET AT THE NEW HAVEN RAIL YARD			

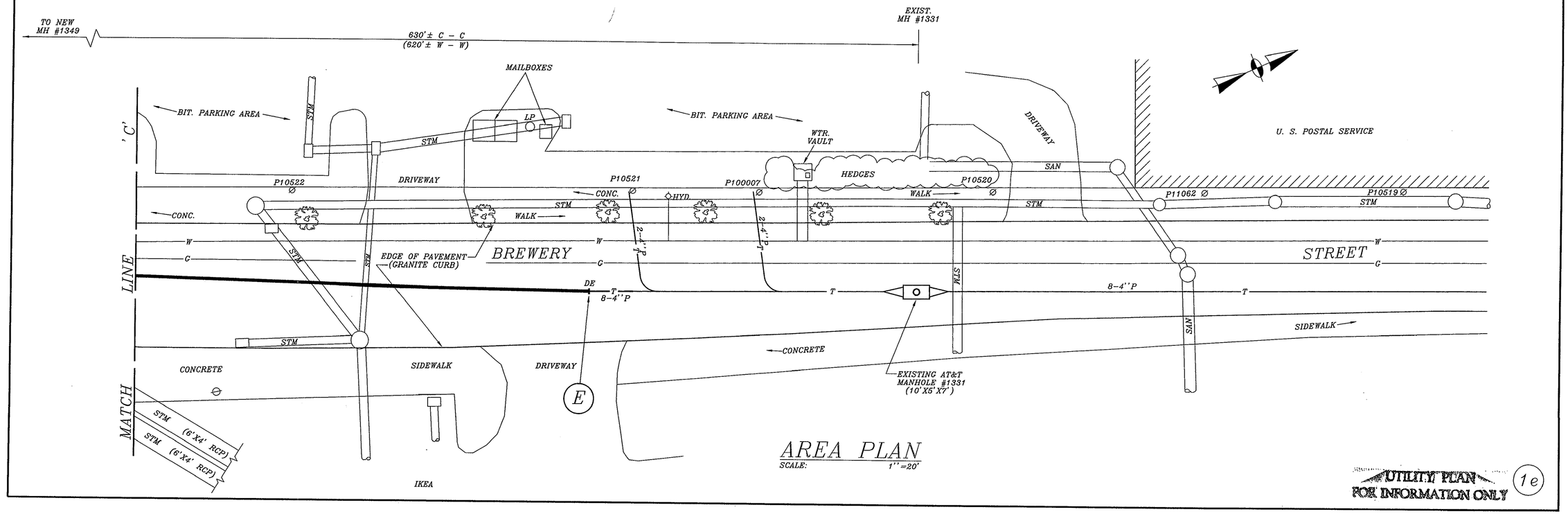
4C 1 PLACE: 620'± OF 8 – 4'' P TYPE B FROM NEW MANHOLE #1349 AS (AS SHOWN ON PRINT 1d) TO POINT 'E' AND ENCASE IN CONCRETE. AT POINT 'E', CONNECT NEW DUCTS 1 – 8 TO EXISTING 8 – 4'' P TYPE B CURRENTLY CAPPED BELOW GRADE.

(1 2 3 4 / 5 6 7 8) (LOOKING EAST)

4C A PRELIMINARY RESTORATION

4C B FINAL RESTORATION

AT&T CONTRACTOR IS ONLY RESPONSIBLE FOR FINAL RESTORATION IN AREAS OUTSIDE LIMITS OF D.O.T. CONSTRUCTION – SEE PRINT 1h FOR CITY OF NEW HAVEN TRENCH RESTORATION SPECIFICATIONS



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Plotted Date: 3/29/2015

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STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: 20_GATT_3010088_GA-007.dgn

SIGNATURE BLOCK: STATE OF CONNECTICUT ANTHONY A. MONTETT LICENSED PROFESSIONAL ENGINEER

PARSONS BRINCKERHOFF
GLASTONBURY, CT

PROJECT TITLE:
NEW HAVEN RAIL YARD FACILITIES IMPROVEMENTS

TOWN: NEW HAVEN

DRAWING TITLE:
CONDUIT AND MANHOLE CONSTRUCTION ON BREWERY ST

PROJECT NO. 301-0124

DRAWING NO. GA-007

SHEET NO. 12.22

3/29/2015 8:58:57 AM
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CABLE PL –	AT&T		CLASS A	WO NO 6639662	
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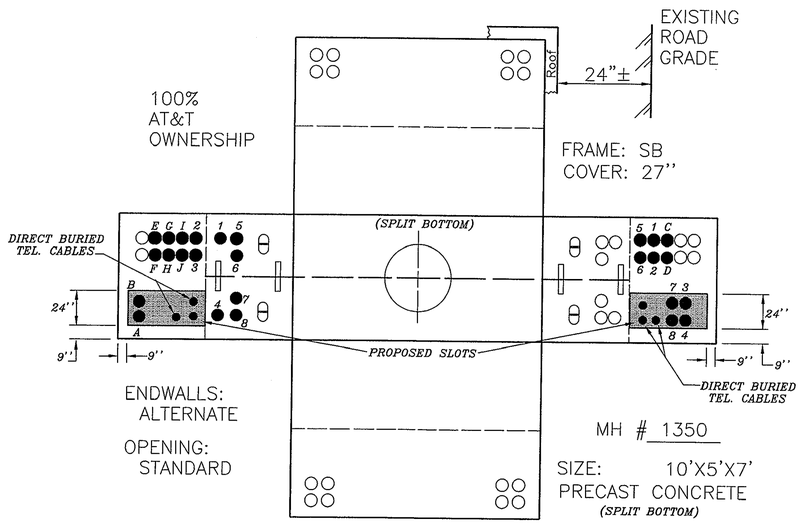
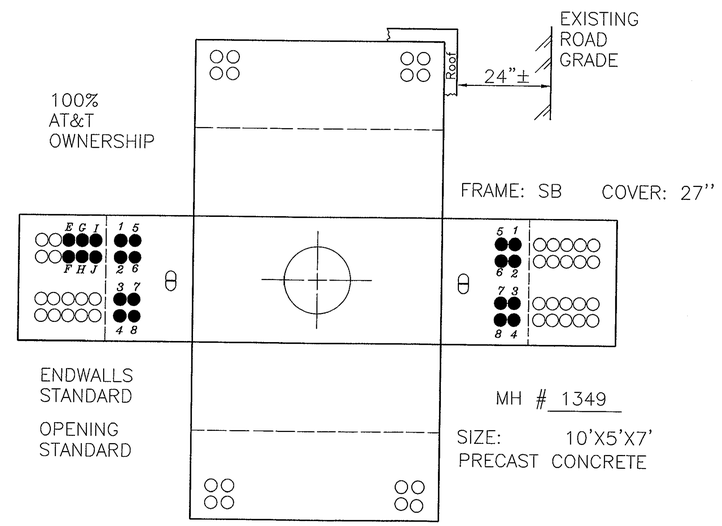
MAP	WIRE CENTER MAIN		T S PLOT SCALE: 1''=40'		
FILE NHRAILYARD5	LOCATION BREWERY STREET AT THE NEW HAVEN RAIL YARD				



DETAIL OF NEW MANHOLE #1350
NOT-TO-SCALE



DETAIL OF NEW MANHOLE #1349
NOT-TO-SCALE

UTILITY PLAN FOR INFORMATION ONLY (1f)

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REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: 20_GATT_3010088_GA-008.dgn

SIGNATURE BLOCK: PARSONS BRINCKERHOFF GLASTONBURY, CT

PROJECT TITLE: NEW HAVEN RAIL YARD FACILITIES IMPROVEMENTS

TOWN: NEW HAVEN

DRAWING TITLE: CONDUIT AND MANHOLE CONSTRUCTION ON BREWERY ST

PROJECT NO. 301-0124
DRAWING NO. GA-008
SHEET NO. 12.23

CABLE PL —	AT&T	CLASS A	WO NO 6639662
CONDUIT PL NEW	EXCHANGE NEW HAVEN / TOWN NEW HAVEN	AREA 1100	PRINT 1g OF *
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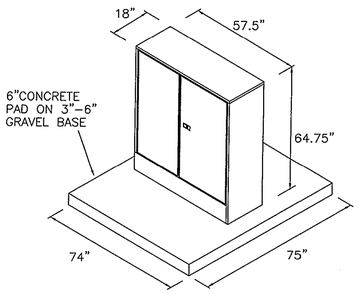
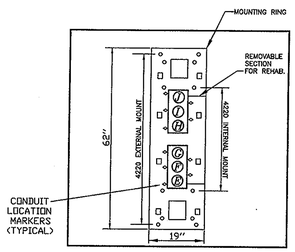


DETAIL of TYPE 4220G TELEPHONE EQUIPMENT CABINET

N.T.S.



CONDUIT LOCATION DETAIL FOR 4220-K CABINET

N.T.S.

1. CONCRETE:

1.1 READY-MIXED CONCRETE SHALL BE CLASS 'F' AND CONFORM TO ASTM C94, SPECIFICATION FOR READY-MIXED CONCRETE. NO ADMIXTURES SHALL BE USED.

1.2 EQUIPMENT, MATERIALS AND METHODS USED FOR THE PRODUCTION OF CONCRETE SHALL CONFORM TO APPLICABLE REQUIREMENTS OF ACI 318.

1.3 ALLOWABLE COMPRESSIVE STRENGTH, F'c = 3600 psi @ 28 DAYS.

2. REINFORCING STEEL:

2.1 WIRE MESH NO. 66 THROUGH 44 SHALL BE USED FOR THE SPECIFIED REINFORCING STEEL. WIRE MESH SHALL CONFORM TO ASTM A185, SPECIFICATION FOR WELDED PLAIN STEEL WIRE FABRIC FOR CONCRETE REINFORCEMENT, OR ASTM A497, SPECIFICATION FOR WELDED DEFORMED STEEL WIRE FABRIC FOR CONCRETE REINFOREMENT.

2.2 ALL REINFORCING STEEL SHALL BE CLEAN AND FREE OF LOOSE RUST, SCALE, OIL AND OTHER MATTER WHICH MAY DESTROY OR REDUCE THE BOND.

3. INSTALLATION OF CAST-IN-PLACE PAD:

3.1 PREPARE THE INSTALLATION SITE. BASE FOR PAD SHALL CONSIST OF MIN. 6" GRAVEL FILL, PROPERLY COMPACTED. THE FINISHED FOUNDATION PAD SHALL BE LEVEL WITHIN 1" AND THE TOP SURFACE SHALL BE 2" ABOVE THE SURROUNDING GRADE.

3.2 BLOCK OFF CABLE ENTRY AREA OF PAD TO KEEP CLEAR OF CONCRETE.

3.3 ALIGN CABLE DUCTS WITH CABLE DUCT LOCATION MARKERS.

3.4 PLACE LEVELING STAKES PER CABLE DRAWING DIMENSIONS. MAKE SURE TOPS OF STAKES ARE LEVEL WITH EACH OTHER AND WITH THE PERIMETER FORM.

3.5 ATTACH THE ANCHORS (8 TOTAL MIN.) TO THE MOUNTING RING WITH BOLTS. (8 ANCHORS AND BOLTS PROVIDED WITH RING)

3.6 SET MOUNTING RING ON LEVELING STAKES. MAKE SURE RING IS LEVEL. SECURE TO LEVELING STAKES WITH FOUR NAILS (OPTIONAL).

3.7 POUR CONCRETE AROUND MOUNTING RING UNTIL CONCRETE IS LEVEL WITH TOP OF RING. INSPECT FOR GOOD CONCRETE FLOW AROUND ANCHORS.

3.8 REINFORCEMENT SHALL BE INSTALLED AS SPECIFIED. SECURE REINFORCEMENT TO PREVENT SHIFTING WHEN THE CONCRETE IS POURED.

CHAMFERED CORNERS SHALL BE FINISHED WITH AN EDGING TOOL.

4. REFERENCES:

4.1 AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) SPECIFICATIONS:

A185 SPECIFICATIONS FOR WELDED PLAIN STEEL WIRE FABRIC FOR CONCRETE REINFORCEMENT.

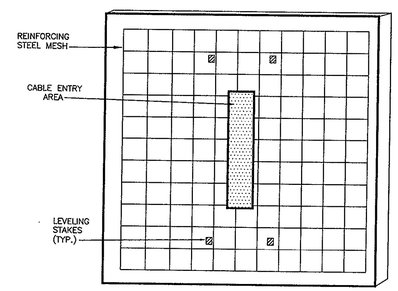
A497 SPECIFICATIONS FOR WELDED DEFORMED STEEL WIRE FABRIC FOR CONCRETE REINFORCEMENT.

A615 SPECIFICATIONS FOR DEFORMED AND PLAIN BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT.

C94 SPECIFICATIONS FOR READY-MIXED CONCRETE.

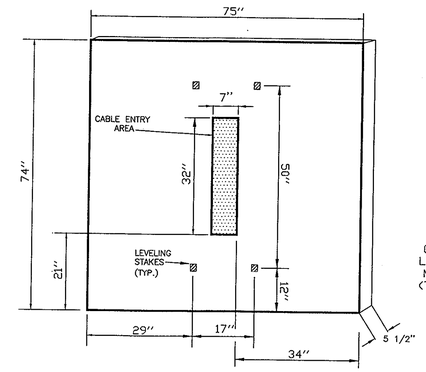
4.2 AMERICAN CONCRETE INSTITUTE (ACI) SPECIFICATIONS:

318 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE.



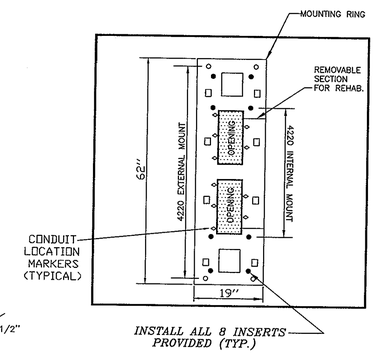
REINFORCING LAYOUT FOR CAST-IN-PLACE 4220-F/G/K CABINET PAD

N.T.S.



PAD LAYOUT FOR CAST-IN-PLACE 4220-F/G/K CABINET PAD

N.T.S.



4256 F/G/K MOUNTING RING FOR 4220 F/G/K CABINET

N.T.S.

UTILITY PLAN FOR INFORMATION ONLY

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STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: 20_GATT_3010088_GA-009.dgn

SIGNATURE BLOCK: STATE OF CONNECTICUT LICENSED PROFESSIONAL ENGINEER

PARSONS BRINCKERHOFF
GLASTONBURY, CT

PROJECT TITLE:
NEW HAVEN RAIL YARD FACILITIES IMPROVEMENTS

TOWN: NEW HAVEN

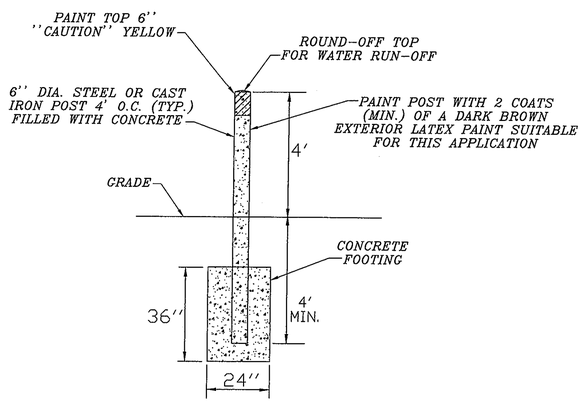
DRAWING TITLE:
CONDUIT AND MANHOLE CONSTRUCTION ON BREWERY ST

PROJECT NO. 301-0124

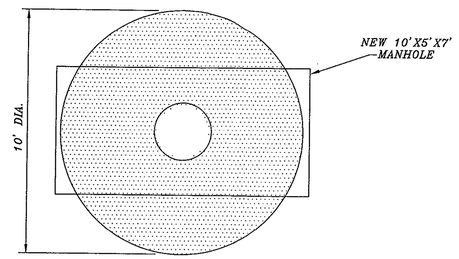
DRAWING NO. GA-009

SHEET NO. 12.24

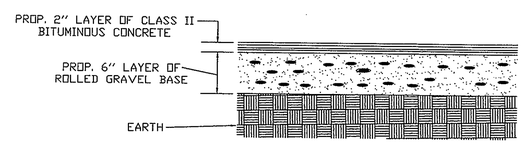
CABLE PL —	AT&T		CLASS A	WO NO 6639662
CONDUIT PL NEW	EXCHANGE NEW HAVEN	TOWN NEW HAVEN	AREA 1100	PRINT 1h of *
MAP	WIRE CENTER MAIN		T.S. PLOT SCALE: 1''=40'	
FILE NHRAILYARD7	LOCATION BREWERY STREET AT THE NEW HAVEN RAIL YARD			



BOLLARD DETAIL
N.T.S.

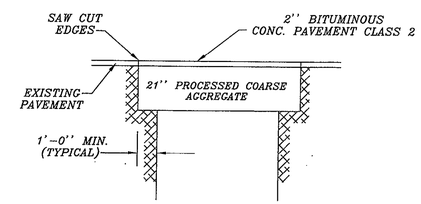


PLAN

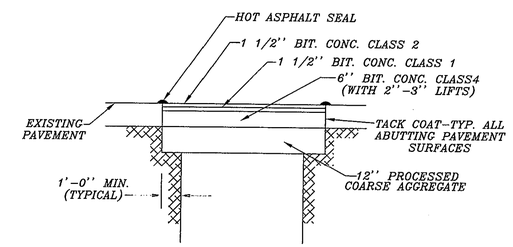


CROSS-SECTION

BITUMINOUS CONCRETE
APRON FOR NEW MANHOLE DETAILS
NOT-TO-SCALE



PAVEMENT REPLACEMENT - TEMPORARY
FOR COLLECTOR STREETS



PAVEMENT REPLACEMENT - PERMANENT
FOR COLLECTOR STREETS

*CITY OF NEW HAVEN PAVEMENT
RESTORATION DETAILS FOR LOCAL ROADS
NOT-TO-SCALE
*AS PER CITY OF NEW HAVEN, DEPT. OF ENGR. DWG. NO: STD-NH-20A; LATEST REV. 4/25/07

UTILITY PLAN
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DEPARTMENT OF TRANSPORTATION

Filename: 20_GATT_3010088_GA-010.dgn

SIGNATURE BLOCK: STATE OF CONNECTICUT ANTHONY A. MUSETTI LICENSED PROFESSIONAL ENGINEER

PARSONS BRINCKERHOFF
GLASTONBURY, CT

PROJECT TITLE:
NEW HAVEN RAIL YARD
FACILITIES IMPROVEMENTS

TOWN: NEW HAVEN

DRAWING TITLE:
CONDUIT AND MANHOLE
CONSTRUCTION ON BREWERY ST

PROJECT NO. 301-0124
DRAWING NO. GA-010
SHEET NO. 12.25

UTILITY	POINT ID	NORTH	EAST
4" GAS	Exst.	668286.09	951570.72
4" GAS	G2-1	668454.08	951660.64
4" GAS	G2-2	668549.78	951718.54
4" GAS	G2-3	668596.30	951733.46
4" GAS	G2-3A	668742.56	951819.99
4" GAS	G2-4	668777.04	951840.39
4" GAS	G2-5	668856.61	951827.95
4" GAS	G2-6	668957.67	951932.36
4" GAS	G2-7	669003.18	951963.05
4" GAS	G2-8	669048.82	951949.11

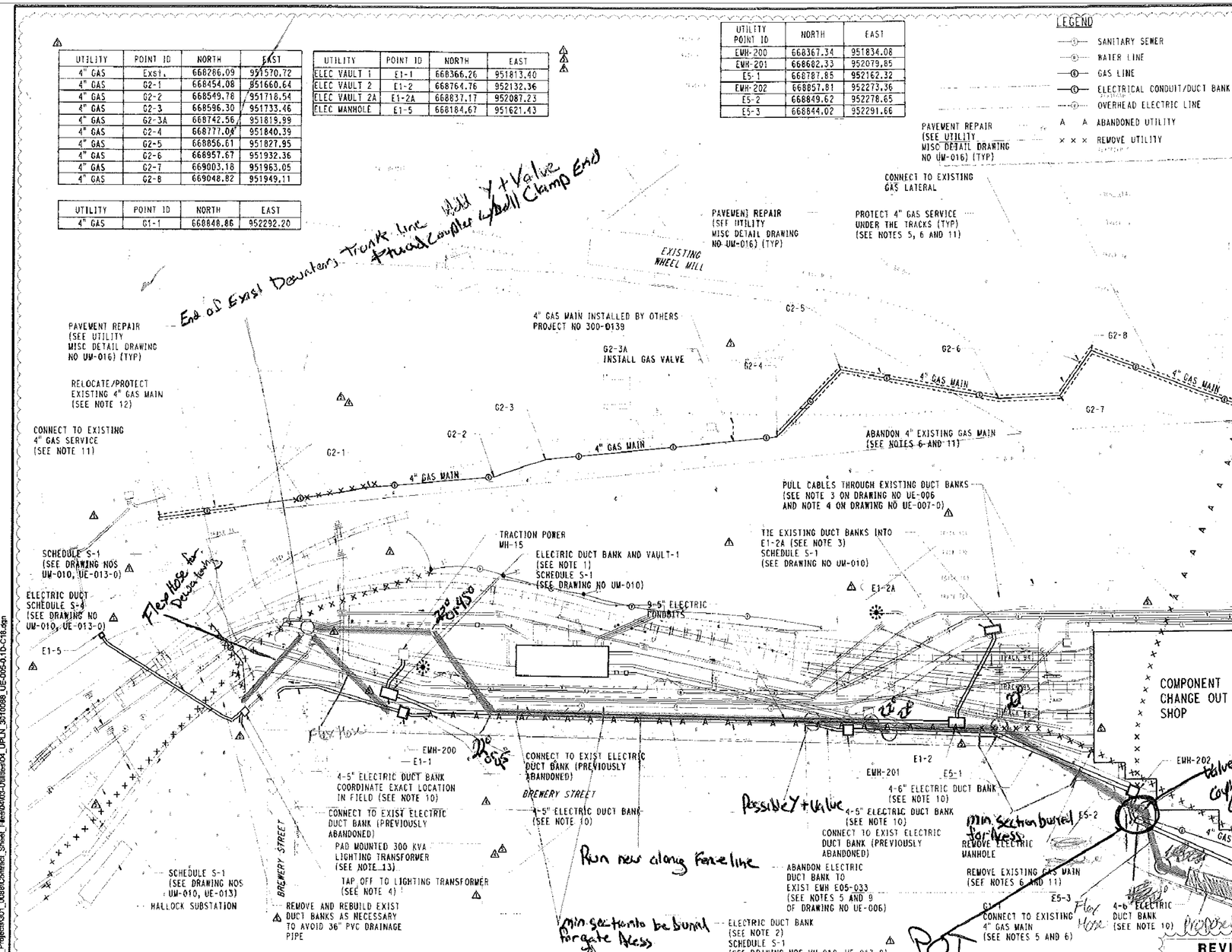
UTILITY	POINT ID	NORTH	EAST
4" GAS	G1-1	668848.86	952292.20

UTILITY	POINT ID	NORTH	EAST
ELEC VAULT 1	E1-1	668366.26	951813.40
ELEC VAULT 2	E1-2	668764.76	952132.36
ELEC VAULT 2A	E1-2A	668837.17	952087.23
ELEC MANHOLE	E1-5	668184.67	951621.43

UTILITY POINT ID	NORTH	EAST
EMH-200	668367.34	951834.08
EMH-201	668602.33	952079.85
E5-1	668787.85	952162.32
EMH-202	668857.81	952273.36
E5-2	668849.62	952278.65
E5-3	668844.02	952291.66

LEGEND

- SANITARY SEWER
- WATER LINE
- GAS LINE
- ELECTRICAL CONDUIT/DUCT BANK
- OVERHEAD ELECTRIC LINE
- A A ABANDONED UTILITY
- × × × REMOVE UTILITY



NOTES:

1. THE CONTRACTOR SHALL CONSTRUCT CONCRETE ELECTRIC DUCT BANK WITH 9-5" PVC DUCTS FROM TRACTION POWER MH-15 TO PROPOSED ELECTRIC VAULT-1.
2. THE CONTRACTOR SHALL CONSTRUCT CONCRETE ELECTRIC DUCT BANK WITH 9-5" PVC DUCTS FROM PROPOSED VAULT-1 TO PROPOSED VAULT-2 (9 WAY DUCT BANK). THIS DUCT BANK SHALL BE PARALLEL TO EXISTING DUCT BANK.
3. THE CONTRACTOR SHALL MATCH EXISTING ELECTRIC DUCT BANK INSTALLED UNDER PROJECT NO 300-131 WITH 3-6" AND 6-5" PVC DUCTS TO E1-2A (9 WAY DUCT BANK). REMOVE EMPTY DUCT BANK FROM ELECTRIC VAULT 2 AND E1-2A.
4. THE CONTRACTOR SHALL CONSTRUCT ELECTRIC DUCT BANK WITH 2-3" PVC DUCTS FROM EXISTING MANHOLE EMH-1 TO LIGHTING TRANSFORMER CONCRETE PAD. THE CONTRACTOR SHALL ALSO PULL THREE (3) SINGLE CORE 15 KVA SHIELDED CABLES #4/0 AWG (TO MATCH EXISTING LINE L1) FROM EMH-1 TO LIGHTING TRANSFORMER. THE CONTRACTOR SHALL SPLICE THEM TO THE EXISTING LINE L1 IN EMH-1 AND CONNECT THEM TO THE LIGHTING TRANSFORMER AT THE OTHER END. IF NOT A FUSED SWITCH SWITCH SHALL BE INSTALLED ON THE PRIMARY SIDE OF THE TRANSFORMER.
5. ALL GAS MAINS LOCATED UNDER RAILROAD TRACKS AND ROADWAYS SHALL BE PROTECTED. GAS MAINS SHALL BE A MINIMUM TWENTY-FOUR (24) INCHES FROM ANY PARALLEL UTILITY LINE, A MINIMUM FIVE (5) FEET FROM PARALLEL ELECTRIC LINE AND SHALL HAVE A MINIMUM ONE (1) FOOT VERTICAL CLEAR SPACE FROM ANY UTILITY LINE WHERE POSSIBLE. WHEN CROSSING ELECTRIC LINES, GAS MAINS SHALL BE INSULATED.
6. THE SOUTHERN CONNECTICUT GAS COMPANY SHALL INSTALL PROPOSED GAS LINES AND APPURTENANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCH EXCAVATION, BACKFILL, SUBBASE AND PAVEMENT RESTORATION.
7. THE COSTS FOR TREATMENT OR ABANDONED STRUCTURES SHALL BE INCLUDED IN THE GENERAL COST OF THE WORK.
8. ALL 15 KV SPLICES SHALL BE MADE BY A QUALIFIED SPLICER WITH AT LEAST 5 YEARS EXPERIENCE. QUALIFICATION DOCUMENTS SHALL BE SUBMITTED FOR APPROVAL. ALL SPLICES TO BE OF THE SUBMERSIBLE TYPE.
9. THE CONTRACTOR IN COORDINATION WITH THE ENGINEER SHALL ABANDON EXISTING DUCT BANK AND START CABLE SPLICING AFTER THE INSTALLATION OF NEW 15 KV CABLE IN THE ADJOINING NEW DUCT BANK.
10. THE CONTRACTOR SHALL INSTALL PLASTIC PULL ROPE IN EACH PVC DUCT. PULLING OF ADDITIONAL CABLES WILL BE IN FUTURE BY OTHERS.
11. PRIOR TO THE START OF THE COMPONENT CHANGE OUT SHOP CONSTRUCTION, THE CONTRACTOR IN COORDINATION WITH SOUTHERN CONNECTICUT GAS COMPANY SHALL INSTALL 4" GAS SERVICE TOWARD EMU BUILDING AS SHOWN. AFTER THIS NEW SERVICE IS INSTALLED AND OPERATING, THE CONTRACTOR IN COORDINATION WITH SOUTHERN CONNECTICUT GAS COMPANY SHALL ABANDON/REMOVE EXISTING SERVICE AS SHOWN.
12. DURING UTILITY CONSTRUCTION THE CONTRACTOR SHALL COORDINATE WITH SOUTHERN CONNECTICUT GAS COMPANY AND THE ENGINEER IF ANY RELOCATION/PROTECTION OF EXISTING 4" GAS SERVICE IS NECESSARY.
13. THE LIGHTING TRANSFORMER SHALL BE 300 KVA, 13.8 KV/480-277 V.

KEY PLAN

REVISED BY CONSTRUCTION ORDER REQUEST - 6/5/12

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
4	6/5/12	COR 6/5/12 - REVISED PER FOC 00071 00154 00155 00224 & 00266, 8910319 & 0102048	135-0.1C
3	8/21/10	COR 8/21/10 - VOIDED COR 7/16/10, ADDED DUCT BANKS AND NOTE 14	135-0.1B
2	7/16/10	COR 7/16/10 - ADDED DUCT BANKS AND NOTE 14	135-0.1A
1	3/10/10	COR 3/10/10 - ADDED GAS VALVE	135-0.1
0	8/10/09	ADDENDUM NO 4 - TURN ON LAYDRS POLES OVERHEAD AND ABANDONED WIRES	135-0
0	7/23/09	ADDENDUM NO 2 - ADDED E1-2A AND E1-2A, REVISED NOTE 3	135

Filename: 04_UPLN_8_10_2009_UE-005-0.1D-C18.dgn — Bentley Version 8.11.03

5/20/2012 3:57:39 PM
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DESIGNER/DRAFTER: AE/ AF
CHECKED BY: MS
SCALE IN FEET: 0 40 80
SCALE 1"=40

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

ENGINEER: AI ENGINEERS, INC.
APPROVED BY:
DATE: MAR 2009

PROJECT TITLE: NEW HAVEN RAIL YARD FACILITIES IMPROVEMENTS COMPONENT CHANGE OUT SHOP

TOWN: NEW HAVEN
DRAWING TITLE: ELECTRIC AND GAS PLAN-5
PROJECT NO: 301-0106
DRAWING NO: UE-005-0.1D
SHEET NO: 135-0.1D

NOTE:
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Plotted Date: 3/29/2015

DESIGNER/DRAFTER: CONNDOT
CHECKED BY: CONNDOT

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: 20_GDEW_3010088_GS-170.dgn

SIGNATURE BLOCK: STATE OF CONNECTICUT TRANSPORTATION INSTITUTE LICENSED PROFESSIONAL ENGINEER

PARSONS BRINCKERHOFF
GLASTONBURY, CT

PROJECT TITLE: NEW HAVEN RAIL YARD FACILITIES IMPROVEMENTS

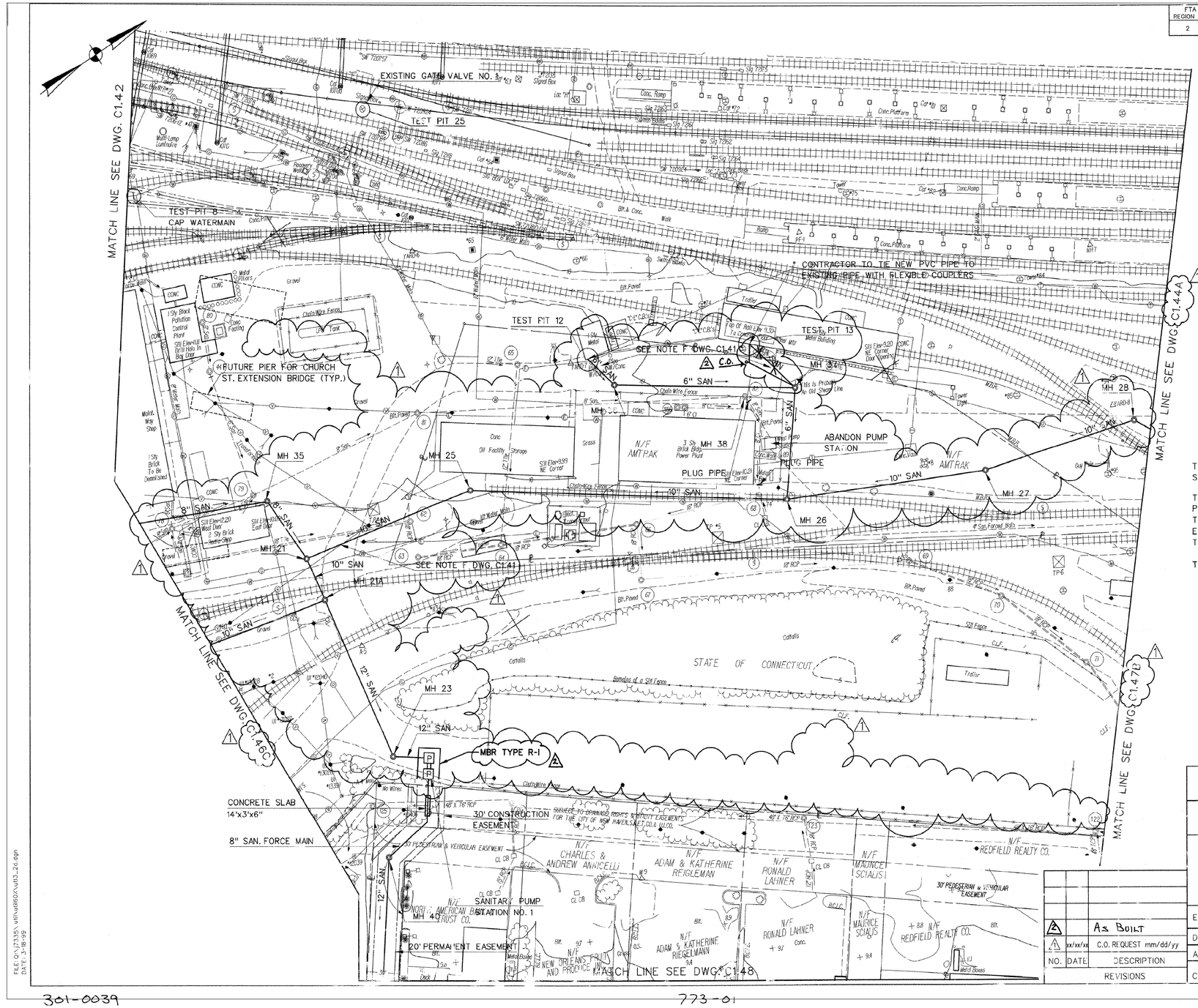
TOWN: NEW HAVEN
DRAWING TITLE: DEWATERING AS-BUILT INFORMATION 1
PROJECT NO. 301-0124
DRAWING NO. GS-170
SHEET NO. 12.26

FTA REGION NO.	STATE	TOWN	FTA CONTRACT NO.	PROJ. NO.	YEAR	SHEET NO.	TOTAL SHEETS
2	CONN.	NEW HAVEN	CT-03-0108-00	301-0039	2000	139A	495

PLAN

SCALE IN FEET

80 40 0 80



TEST PIT 8 - LOCATE WATERMAIN
SEE WATERMAIN SEQUENCE DWG. NO.C1.92

TEST PIT 12, 13- CONTRACTOR TO LOCATE SANITARY DISCHARGE PIPES AND RECORD ELEVATION. PROPOSED SANITARY LAYOUT IN THIS AREA DESIGNED ASSUMING THESE INVERTS TO BE AT ELEVATION 4.5 IF DIFFERENT, THE SANITARY LAYOUT MAY NEED TO BE ADJUSTED. COORDINATE WITH THE ENGINEER.

TEST PIT 25 - CONFIRM LOCATION OF EXISTING GATE VALVE NO.1.

THIS SHEET CORRECTED

NOTE:
REFER TO DEMOLITION AND REMOVAL PLANS FOR REMOVAL AND ABANDONMENT OF C.B.'S, MANHOLES AND PIPELINES, AND PIPES TO BE FILLED WITH LEAN CONCRETE.

REVISED BY CONSTRUCTION ORDER REQUEST-mm/dd/yy

CONNECTICUT
DEPARTMENT OF TRANSPORTATION

NEW HAVEN RAIL YARD FACILITIES
PROJECT NO. 301-0039

UTILITY PLAN

WATER, GAS, SANITARY, STORM, FIRE PROTECTION AND OIL/WATER

NO.	DATE	DESCRIPTION
2		As Built
1	xx/xx/xx	C.O. REQUEST mm/dd/yy

REVISIONS

ENGINEER: STV INCORPORATED

DESIGNER D.J.G.	DRAFTER M.N.	CHECKER P.Z.H.
APPROVED T.J.C.	SCALE 1" = 40'	DATE March 22, 2002
CAD NO.		DWG. NO. C1.43A

301-0039 773-01 139A

NOTE:
THIS SHEET HAS BEEN REPRODUCED AND IS FOR INFORMATIONAL PURPOSES ONLY.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 3/29/2015

DESIGNER/DRAFTER: CONNDOT
CHECKED BY: CONNDOT

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: 20_GDEW_3010088_GS-171.dgn

SIGNATURE BLOCK: PARSONS BRINCKERHOFF GLASTONBURY, CT

PROJECT TITLE: NEW HAVEN RAIL YARD FACILITIES IMPROVEMENTS

TOWN: NEW HAVEN

DRAWING TITLE: DEWATERING AS-BUILT INFORMATION 2

PROJECT NO. 301-0124
DRAWING NO. GS-171
SHEET NO. 12.27

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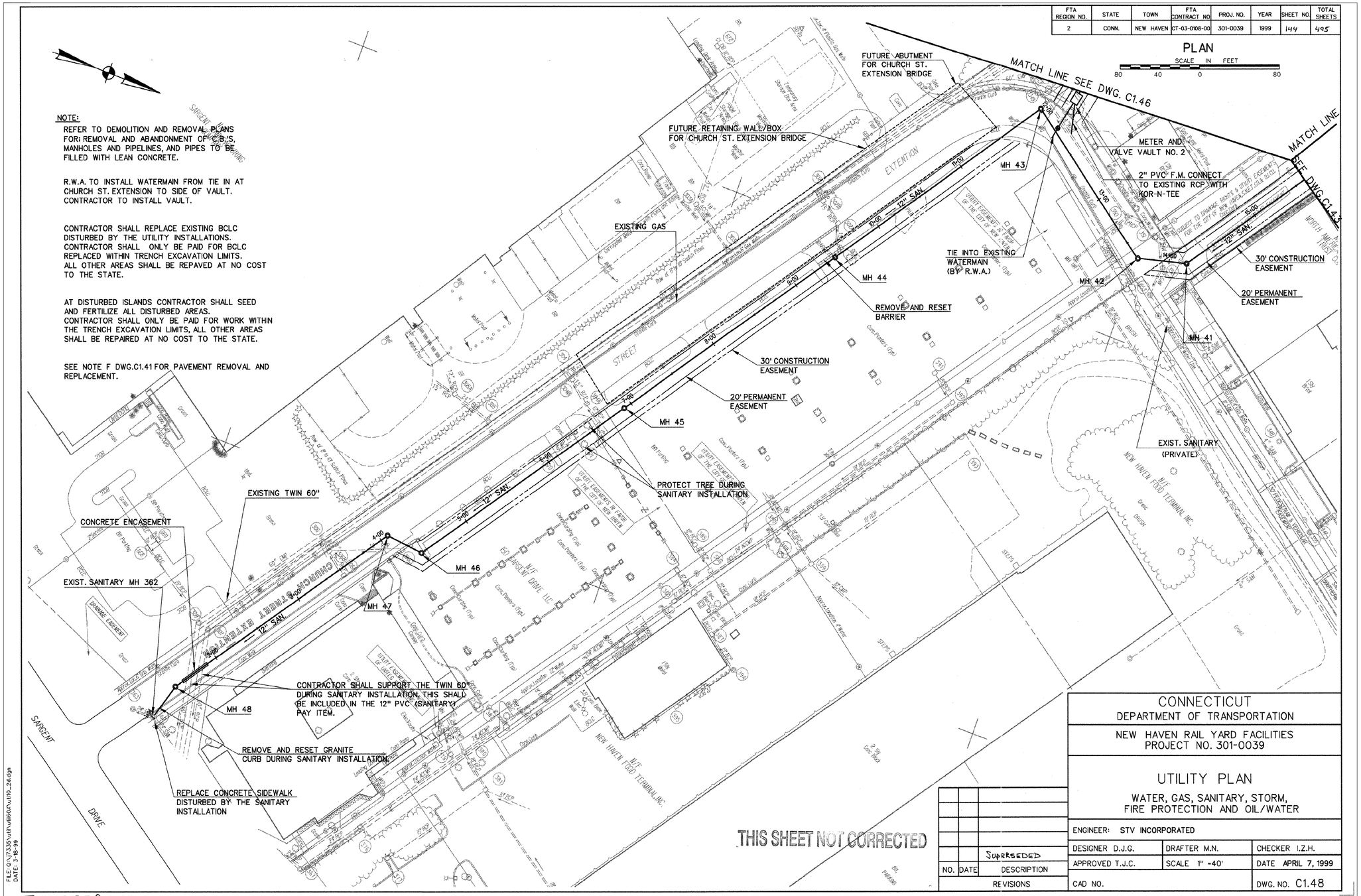
FTA REGION NO.	STATE	TOWN	FTA CONTRACT NO	PROJ. NO.	YEAR	SHEET NO.	TOTAL SHEETS
2	CONN.	NEW HAVEN	CT-03-0108-00	301-0039	1999	144	495



NOTE:

REFER TO DEMOLITION AND REMOVAL PLANS FOR: REMOVAL AND ABANDONMENT OF C.B.'S, MANHOLES AND PIPELINES, AND PIPES TO BE FILLED WITH LEAN CONCRETE.

R.W.A. TO INSTALL WATERMAIN FROM TIE IN AT CHURCH ST. EXTENSION TO SIDE OF VAULT. CONTRACTOR TO INSTALL VAULT.

CONTRACTOR SHALL REPLACE EXISTING BCLC DISTURBED BY THE UTILITY INSTALLATIONS. CONTRACTOR SHALL ONLY BE PAID FOR BCLC REPLACED WITHIN TRENCH EXCAVATION LIMITS. ALL OTHER AREAS SHALL BE REPAVED AT NO COST TO THE STATE.

AT DISTURBED ISLANDS CONTRACTOR SHALL SEED AND FERTILIZE ALL DISTURBED AREAS. CONTRACTOR SHALL ONLY BE PAID FOR WORK WITHIN THE TRENCH EXCAVATION LIMITS, ALL OTHER AREAS SHALL BE REPAIRED AT NO COST TO THE STATE.

SEE NOTE F DWG.C1.41 FOR PAVEMENT REMOVAL AND REPLACEMENT.

CONNECTICUT
DEPARTMENT OF TRANSPORTATION

NEW HAVEN RAIL YARD FACILITIES
PROJECT NO. 301-0039

UTILITY PLAN

WATER, GAS, SANITARY, STORM, FIRE PROTECTION AND OIL/WATER

ENGINEER: STV INCORPORATED

DESIGNER D.J.G.	DRAFTER M.N.	CHECKER I.Z.H.
APPROVED T.J.C.	SCALE 1" =40'	DATE APRIL 7, 1999
CAD NO.		DWG. NO. C1.48

NO.	DATE	DESCRIPTION
		SUPERSEDED

REVISIONS

301-0039

773-01

144

NOTE:
THIS SHEET HAS BEEN REPRODUCED AND IS FOR INFORMATIONAL PURPOSES ONLY.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 3/29/2015

DESIGNER/DRAFTER: CONNDOT
CHECKED BY: CONNDOT

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: 20_GDEW_3010088_GS-172.dgn

SIGNATURE BLOCK: STATE OF CONNECTICUT JANTHONY A. MORETTI LICENSED PROFESSIONAL ENGINEER
PARSONS BRINCKERHOFF
GLASTONBURY, CT

PROJECT TITLE: NEW HAVEN RAIL YARD FACILITIES IMPROVEMENTS

TOWN: NEW HAVEN

DRAWING TITLE: DEWATERING AS-BUILT INFORMATION 3

PROJECT NO. 301-0124
DRAWING NO. GS-172
SHEET NO. 12.28

3/29/2015 9:04:53 AM
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