03 - CIVIL

INDEX OF DRAWINGS

DRAWING NUMBER	DRAWING TITLE
CVI-001	DRAWING INDEX
EXT-001	EXISTING CONDITIONS PLAN
TIE-001	SURVEY CONTROL POINTS, TIES, AND NOTES
DMO-001	DEMOLITION PLAN
STG-001	CONSTRUCTION STAGING PLAN
STG-002	CONSTRUCTION STAGING PLAN

DESIGNED BY:

Baker

MICHAEL BAKER ENGINEERING, INC.
500 ENTERPRISE DRIVE
SUITE 2B
ROCKY HILL, CT 06067

STATE OF CONNECTICUT SCOTT M. DELESDERNIER No. 19079 LICENSED PROFESSIONAL ENGINEER

Scott Delesdernier
2014.08.20
16:38:28-04'00'

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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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: 8/20/2014

DESIGNER/DRAFTER: D. PEKAROVIC

CHECKED BY: A SARDILLI

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\FA..CGR..CPS..0170-2296..063...05..CVI..IOD..001.dgn

SIGNATURE/BLOCK: Baker
Michael Baker Engineering Inc.
500 Enterprise Drive
Suite 2B
Rocky Hill, CT 06067

STATE OF CONNECTICUT SCOTT M. DELESDERNIER No. 19079 LICENSED PROFESSIONAL ENGINEER

PROJECT TITLE:
NEW HAVEN - HARTFORD
SPRINGFIELD
RAIL CORRIDOR

TOWN: HARTFORD

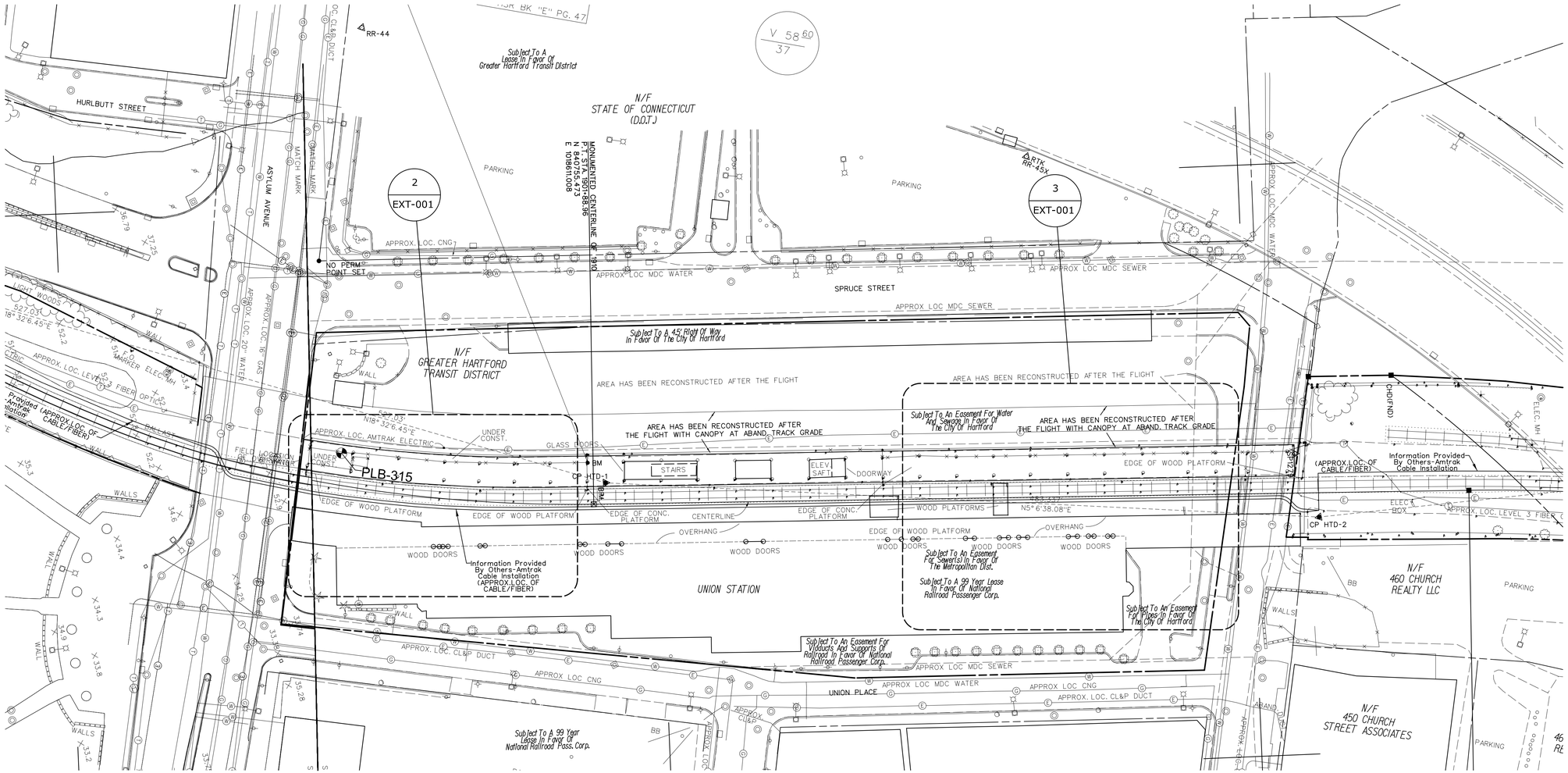
DRAWING TITLE: INDEX OF DRAWINGS

PROJECT NO. 170-3261

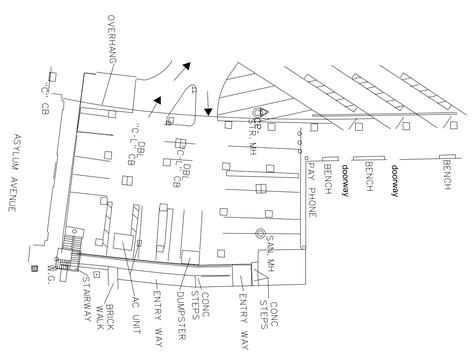
DRAWING NO. CVI-001

SHEET NO. 03.01

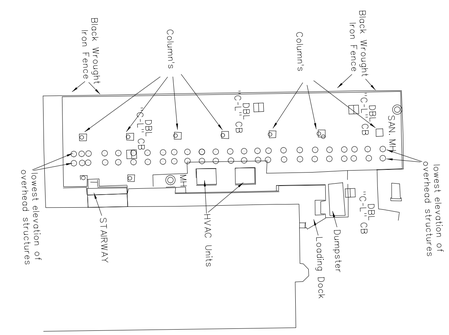
Connecticut Department of Transportation
QA/QC Format Check



OVERALL EXISTING CONDITION



EXISTING CONDITION UNDER VIADUCT @ ASYLUM AVE.



EXISTING CONDITION UNDER VIADUCT @ CHURCH ST.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 8/20/2014

DESIGNER/DRAFTER: CONNDOT
CHECKED BY: CONNDOT
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SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\FA_CGR_CPS_0170-2296_063_05_CSP_EX_CONDITIONS_001.dgn

SIGNATURE/BLOCK:
Baker
Michael Baker Engineering Inc.
500 Enterprise Drive
Suite 2B
Rocky Hill, CT 06067

STATE OF CONNECTICUT
WILLIAM DELESKIEWICZ
No. 19070
LICENSED PROFESSIONAL ENGINEER

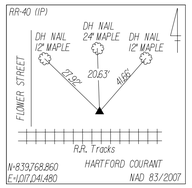
PROJECT TITLE:
NEW HAVEN - HARTFORD SPRINGFIELD RAIL CORRIDOR

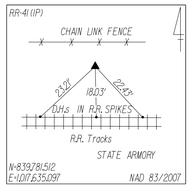
TOWN: HARTFORD

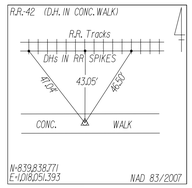
DRAWING TITLE: EXISTING CONDITIONS PLAN

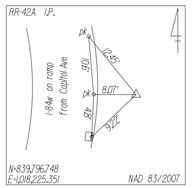
PROJECT NO. 170-3261
DRAWING NO. EXT-001
SHEET NO. 03.02

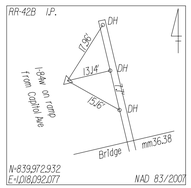
HORIZONTAL CONTROL POINTS (FIELD TIES NOT TO SCALE)

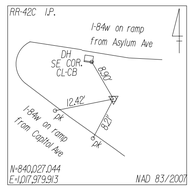


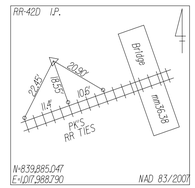


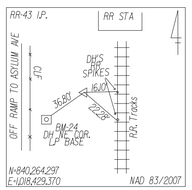


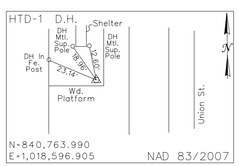


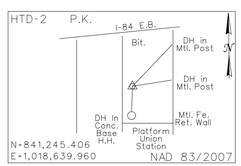


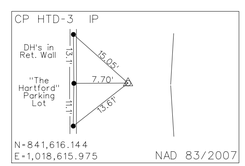


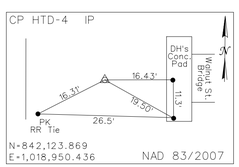


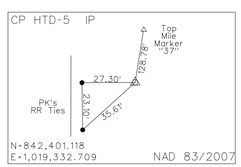












BENCH MARK DESCRIPTIONS

B.M. 2-5-88 Elev. 48.735
N.W. COR. CONC. BASE
NAVD 1988 HSR BK "E" PG. 42

B.M. 23-88 Elev. 49.972
SW COR CONC WINGWALL
EAST SIDE OF TRACKS
NAVD 1988 HSR BK "E" PG. 43

B.M. 24-88 Elev. 52.040
DH N.E. COR. CONC. BASE LIGHT POLE
NAVD 1988 HSR BK "E" PG. 43

B.M. HTD-1 Elev. 53.65
DH S.E. Cor. Conc. Pad Platform
NAVD 1988 HSR BK "E" PG. 47

B.M. HTD-2 Elev. 48.82
DH N.E. Cor. Conc. Base
NAVD 1988 HSR BK "E" PG. 47

B.M. HTD-3 Elev. 46.55
RR Spike in 15" Maple
NAVD 1988 HSR BK "E" PG. 47

SURVEY NOTES

1.) SURVEY BY DISTRICT 1 SURVEYS

2.) FIELD BOOKS:

3.) 400 FOOT GRID BASED ON NAD 83/2007

4.) VERTICAL DATUM BASED ON NAVD 88

5.) THE PROPERTY AND STREET LINES DEPICTED HAVE BEEN COMPILED FROM VARIOUS SOURCES AND ARE NOT TO BE CONSTRUED AS NECESSARILY BEING OBTAINED AS THE RESULT OF A FIELD SURVEY, NOR DO THEY REPRESENT A PROPERTY BOUNDARY OPINION

6.) MAPPING COMPILED FROM PHOTOGRAPHY DATED 3-19-2010

7.) PHOTOGRAMMETRY BY: AERO-METRIC, INC.
AERO-METRIC PROJECT NUMBER 1-110308

8.) UNDERGROUND UTLITY, STRUCTURE AND FACILITY LOCATIONS DEPICTED AND NOTED HEREON HAVE BEEN COMPILED, IN PART, FROM RECORD MAPPING SUPPLIED BY THE RESPECTIVE UTILITY COMPANIES OR GOVERNMENTAL AGENCIES, LIMITED FIELD LOCATIONS AND OTHER SOURCES. THESE LOCATIONS MUST BE CONSIDERED AS APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE, THE EXISTANCE OF WHICH ARE UKNOWN. THE SIZE LOCATION AND EXISTANCE OF ALL SUCH FEATURES MUST BE FIELD DETERMINED AND VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION. CALL BEFORE YOU DIG 1-800-922-4455.

9.) UTILITIES ARE SUPPLIED BY THE FOLLOWING COMPANIES:
AMTRAK
LEVEL 3 COMMUNICATIONS
CONNECTICUT NATURAL GAS
CONNECTICUT LIGHT & POWER CO.
METROPOLITAN DISTRICT COMMISSION

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 8/20/2014

DESIGNER/DRAFTER: CONNDOT
CHECKED BY: CONNDOT
NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\FA..CGR..CPS..0170-2296..063...05..GDS...SRV..CNTRL..PNTS..001.dgn

SIGNATURE/BLOCK: Baker
OFFIC
APPROVED
Michael Baker Engineering Inc.
5500 Enterprise Drive
Suite 2B
Rocky Hill, CT 06067

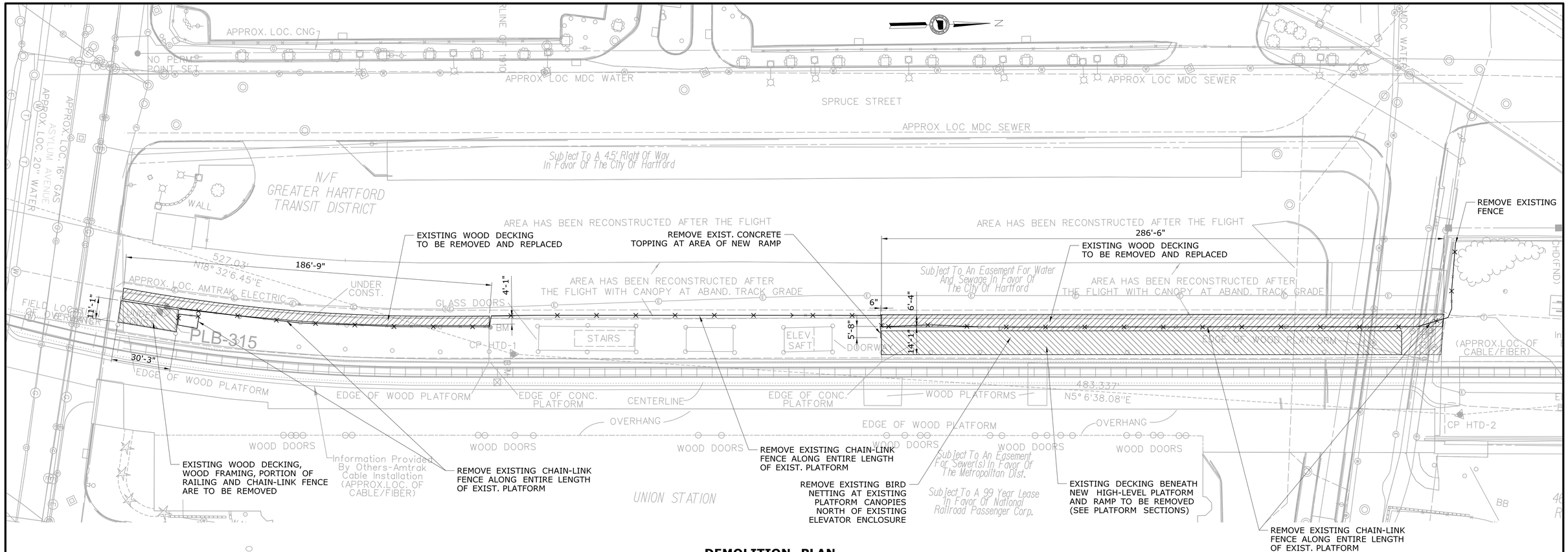
STATE OF CONNECTICUT
SCOTT M. DELSANTO
No. 19070
LICENSED
PROFESSIONAL ENGINEER

PROJECT TITLE:
NEW HAVEN - HARTFORD
SPRINGFIELD
RAIL COORIDOR

TOWN: HARTFORD

DRAWING TITLE:
SURVEY CONTROL POINTS
TIES AND NOTES

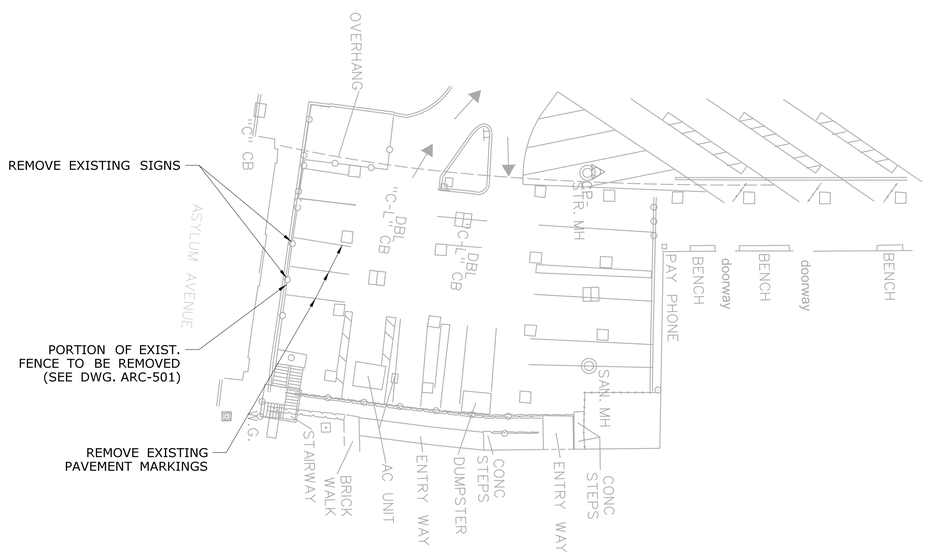
PROJECT NO. 170-3261
DRAWING NO. TIE-001
SHEET NO. 03.03



DEMOLITION PLAN

SCALE: 1"=25'-0"

NOTES:
1. ALL DIMENSIONS ARE APPROXIMATE.



DEMOLITION PLAN UNDER VIADUCT @ ASYLUM AVE

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 8/20/2014

DESIGNER/DRAFTER: R BRAREN
CHECKED BY: A SARDILLI
SCALE IN FEET 0 25 50
SCALE 1"=25'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\FA..CGR..CPS..0170-2296..063..05..CSP...DEMO..00.dgn

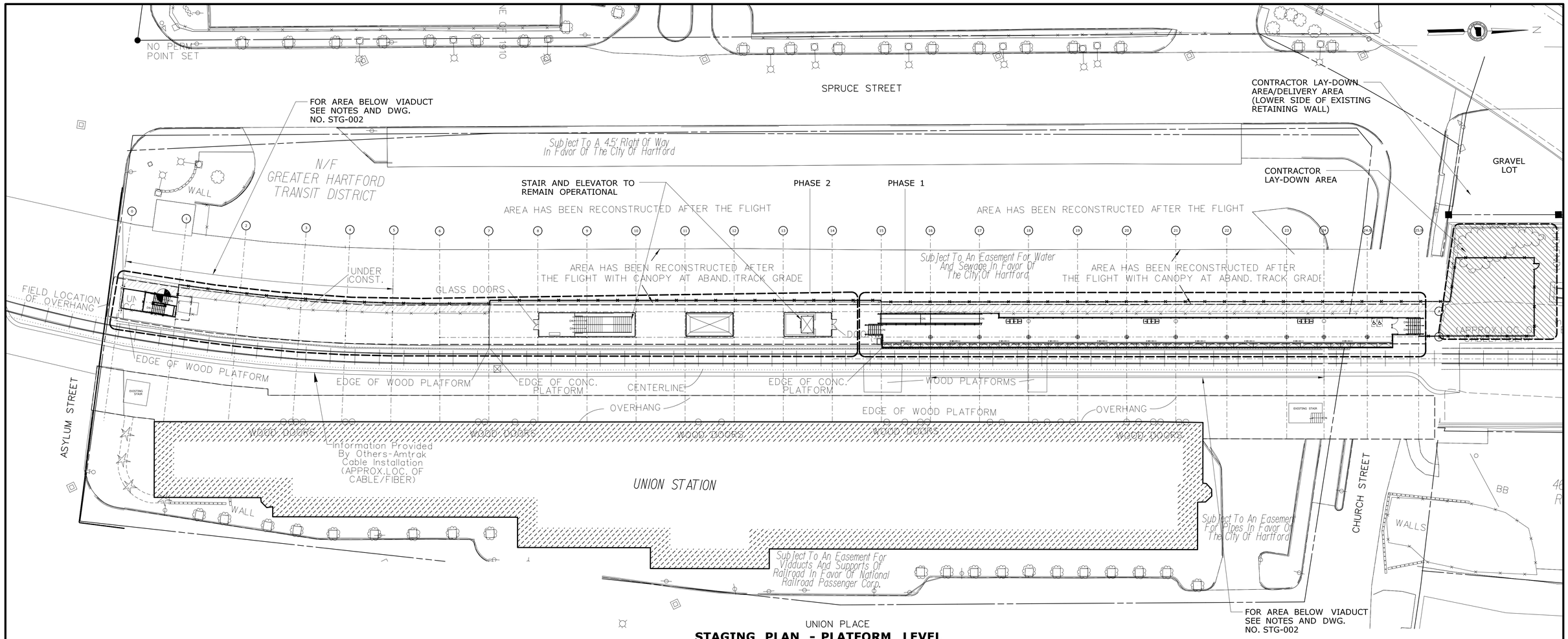
SIGNATURE/BLOCK:
Baker
Michael Baker Engineering Inc.
500 Enterprise Drive
Suite 2B
Rocky Hill, CT 06067

PROJECT TITLE:
NEW HAVEN - HARTFORD SPRINGFIELD RAIL CORRIDOR

TOWN: HARTFORD

DRAWING TITLE: DEMOLITION PLAN

PROJECT NO. 170-3261
DRAWING NO. DMO-001
SHEET NO. 03.04



STAGING PLAN - PLATFORM LEVEL

GENERAL NOTES:

1. PASSENGER ACCESS TO THE PLATFORM AND EGRESS FROM THE ACTIVE BOARDING AREAS SHALL BE MAINTAINED AT ALL TIMES.
2. DO NOT CLOSE OR OBSTRUCT STREETS OR DRIVEWAYS, WALKWAYS, OR OTHER OCCUPIED USED FACILITIES WITHOUT THE PERMISSION OF THE ENGINEER.
3. CONDUCT OPERATIONS TO PREVENT DAMAGE TO THIS OR OTHER FACILITIES OR TO PERSONS. PROVIDE COVERED PASSAGEWAYS UNDER WORK AREAS WHERE NECESSARY TO CROSS THROUGH ACTIVE CONSTRUCTION AREAS.
4. PROVIDE SHORING, BRACING, OR SUPPORT TO PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF STRUCTURES TO BE DEMOLISHED AND ADJACENT FACILITIES TO REMAIN. PROVIDE DUST BARRIERS, BARRICADES, AND OTHER PROTECTIONS AS REQUIRED BY CONDITIONS AND AT THE DISCRETION OF THE ENGINEER.
5. PROMPTLY REPAIR DAMAGE CAUSED TO ADJACENT CONSTRUCTION OR FACILITIES TO REMAIN DUE TO DEMOLITION OPERATIONS AS DIRECTED BY THE ENGINEER AND AT NO COST TO THE OWNER. MATCH EXISTING MATERIALS, INSTALLATION, FINISH, AND QUALITY.
6. LIGHTING, COMMUNICATION, FIRE ALARM AND CCTV EQUIPMENT SHALL REMAIN OPERATIONAL IN ACTIVE BOARDING AREAS AT ALL TIMES, UNLESS EXPRESS APPROVAL FROM THE ENGINEER, FROM AMTRAK, AND FROM GREATER HARTFORD TRANSIT DISTRICT IS OBTAINED 7 DAYS PRIOR TO COMMENCING WORK.

PHASE 1:

1. COMPLETE CLEARING AND GRUBBING OF CONTRACTOR LAY-DOWN AREA NORTH OF CHURCH STREET. CONTAIN AREA WITH SECURITY FENCE AND GATE. CONTRACTOR SHALL HAVE ACCESS TO THIS AREA FOR THE FULL DURATION OF CONSTRUCTION, AND MAY DELIVER MATERIALS TO THE SITE VIA HIGH-RAIL EQUIPMENT OR FROM THE AREA BELOW THE RETAINING WALL AT THE CORNER OF SPRUCE AND CHURCH STREET.
2. CONTACT AMTRAK 30 DAYS PRIOR, AND CLOSE NORTHERN SECTION OF EXISTING LOW-LEVEL PLATFORM. DURING CONSTRUCTION BOARDING SHALL BE LIMITED TO THE LOW-LEVEL PLATFORM SOUTH OF COLUMN LINE 15. COORDINATE WITH AMTRAK TO PROVIDE TEMPORARY PASSENGER SIGNAGE.
3. CONTACT AMTRAK AND GREATER HARTFORD TRANSIT DISTRICT (GHTD) 30 DAYS PRIOR AND CLOSE THE AREA OF THE PARKING LOT UNDER THE VIADUCT STRUCTURE WHICH IS DIRECTLY BELOW THE PROPOSED HIGH LEVEL PLATFORM. THIS AREA MUST BE MADE SAFE TO PEDESTRIANS AND VEHICLES AND RETURNED TO SERVICE WITHIN 90 CALENDAR DAYS OF CLOSURE. PARTIAL CLOSURE OUTSIDE OF THIS PERIOD IS NOT GUARANTEED AND SHALL ONLY BE GRANTED BY THE GREATER HARTFORD TRANSIT DISTRICT (GHTD).
4. CONTRACTOR TO PROVIDE AND MAINTAIN ACCESS TO AMTRAK ROOMS, ACCESS STAIRS AND ALL ELECTRICAL AND MECHANICAL EQUIPMENT UNDER VIADUCT AT ALL TIMES.
5. CONTRACTOR SHALL SUBMIT A FORMAL WORKPLAN FOR REVIEW AND APPROVAL BY AMTRAK FOR THE PLACEMENT OF PLATFORM COMPONENTS ONTO THE VIADUCT STRUCTURE. WITH FORMAL APPROVAL FROM AMTRAK, THE CONTRACTOR MAY ONLY USE HIGH-RAIL EQUIPMENT OR NON-MOTORIZED LIGHTWEIGHT DOLLIES AND LIFT EQUIPMENT TO INSTALL PLATFORM STEEL AND COMPOSITE DECK SECTIONS. MOTORIZED EQUIPMENT SHALL NOT BE PERMITTED ON THE VIADUCT UNDER ANY CIRCUMSTANCES, UNLESS THE CONTRACTOR PROVIDES A COMPLETE VIADUCT LOAD RATING REPORT AND WORKPLAN FOR SUCH EQUIPMENT TO BE USED, STAMPED, AND SIGNED BY A PROFESSIONAL ENGINEER AND APPROVED BY THE DESIGNER, THE OWNER, AND BY AMTRAK.
6. COMPLETE THE ENTIRE HIGH LEVEL PLATFORM ASSEMBLY AND ACCOMPANYING COMPONENTS,THE ADJACENT PERIMETER FENCING, AND ALL OTHER WORK NORTH OF COLUMN LINE 15. COMPLETE UTILITY CONNECTIONS TO THE HIGH LEVEL PLATFORM AND PREPARE FOR FINAL INSPECTION AND OWNER ACCEPTANCE.

PHASE 2:

1. ALL WORK SOUTH OF COLUMN LINE 15 MAY COMMENCE AT ANY TIME, UNDER THE FOUL TIME AND LIMITED TRACK OUTAGES PRESCRIBED IN THE SPECIFICATIONS. PASSENGER ACCESS TO THE ACTIVE PASSENGER BOARDING AREAS SHALL BE MAINTAINED DURING THIS WORK.
2. COMPLETE FENCING REPLACEMENT, ELECTRICAL, AND COMMUNICATIONS UPGRADES AND ALL OTHER WORK ON THE EXISTING LOW-LEVEL PLATFORM AREA.
3. CONTACT AMTRAK AND GREATER HARTFORD TRANSIT DISTRICT (GHTD) 30 DAYS PRIOR AND CLOSE THE AREA OF THE PARKING LOT UNDER THE VIADUCT STRUCTURE WHERE THE PROPOSED STAIRWAY IS TO BE CONSTRUCTED. PROTECT ADJACENT MECHANICAL EQUIPMENT FROM DAMAGE AND DUST. PARKING SPACES NOT PERMANENTLY CLOSED BY THE STAIRWAY CONSTRUCTION SHALL REMAIN IN USE BY THE GREATER HARTFORD TRANSIT DISTRICT (GHTD), WITH THE EXCEPTION OF THE TWO SPACES WESTERLY OF THE WORK AREA. THESE SPACES MAY BE CLOSED FOR CONTRACTOR USE FOR NO MORE THAN 60 CALENDAR DAYS. PARTIAL CLOSURE OUTSIDE OF THIS PERIOD IS NOT GUARANTEED AND SHALL ONLY BE GRANTED BY THE GREATER HARTFORD TRANSIT DISTRICT (GHTD).

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Plotted Date: 8/20/2014

DESIGNER/DRAFTER: R WRIGHT
CHECKED BY: R BRAREN
SCALE IN FEET 0 25 50
SCALE 1"=25'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\FA..CGR..CPS..0170-2296..063...05..GEC...CONSTRUCTION..ST..001.dgn

SIGNATURE/BLOCK: Baker
Michael Baker Engineering Inc.
500 Enterprise Drive
Suite 2B
Rocky Hill, CT 06067

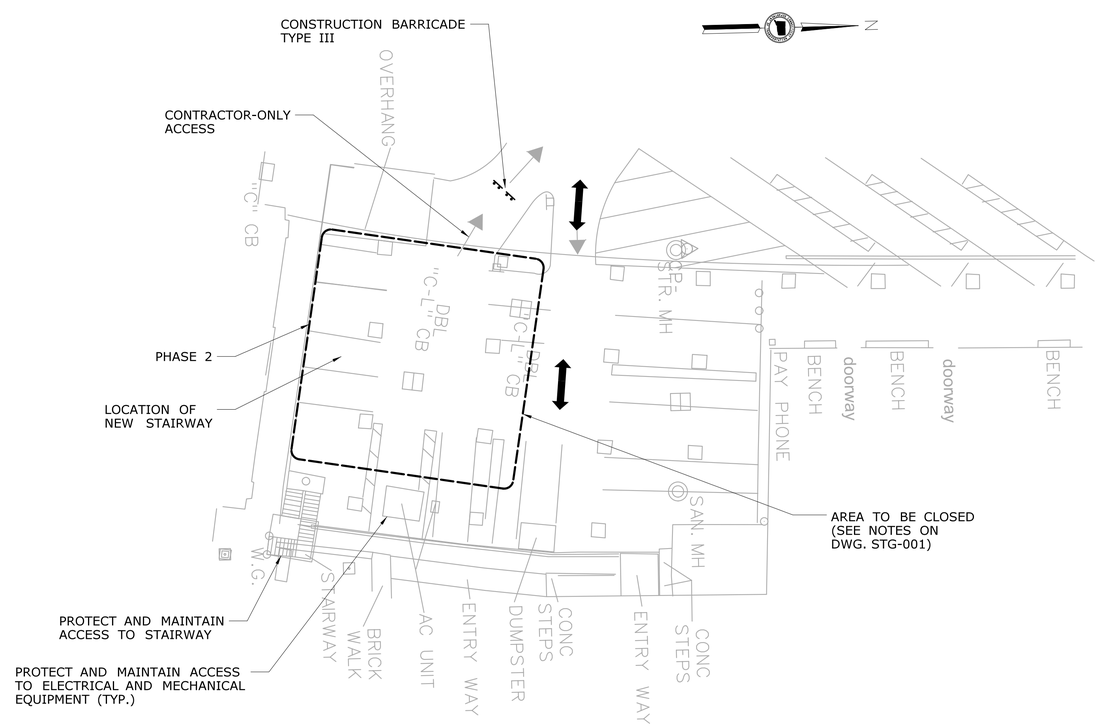
STATE OF CONNECTICUT · DEPARTMENT OF DESIGN · No. 19079 · LICENSED · PROFESSIONAL ENGINEER

PROJECT TITLE: NEW HAVEN - HARTFORD SPRINGFIELD RAIL CORRIDOR

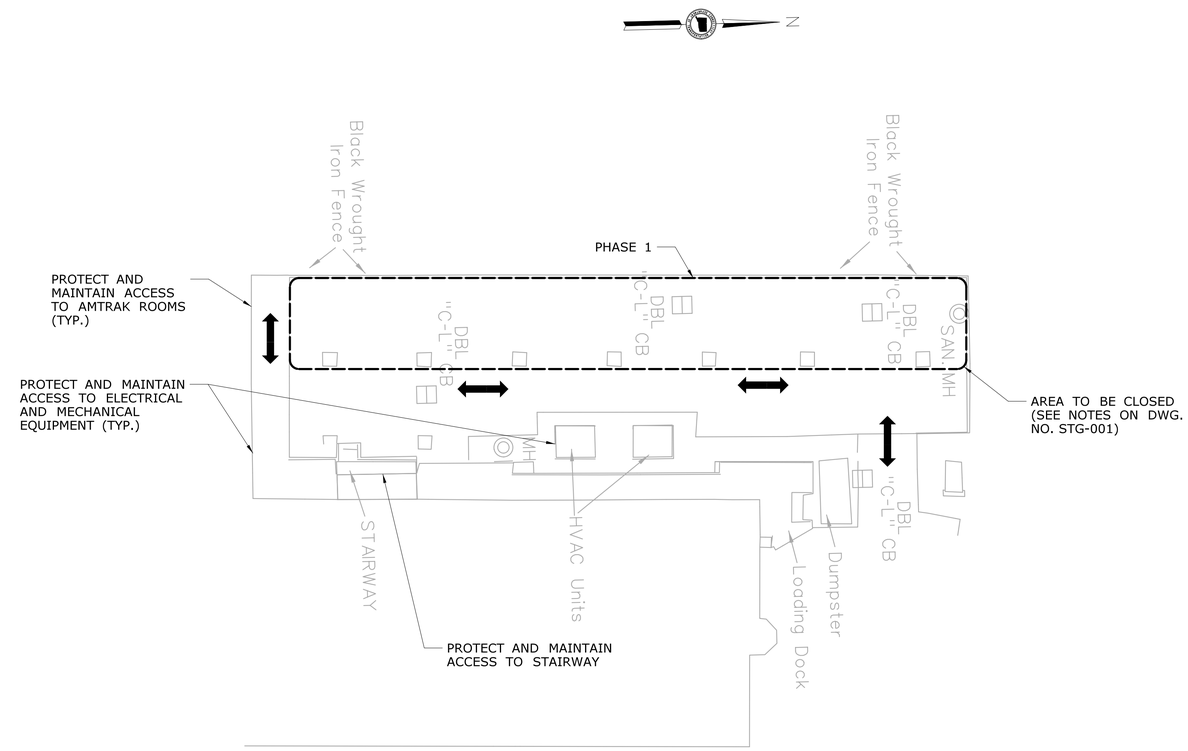
TOWN: HARTFORD

DRAWING TITLE: CONSTRUCTION STAGING PLAN

PROJECT NO. 170-3261
DRAWING NO. STG-001
SHEET NO. 03.05



STAGING PLAN - STREET LEVEL @ ASYLUM AVE.



STAGING PLAN - STREET LEVEL @ CHURCH ST.

PROTECT AND MAINTAIN VEHICULAR AND/OR PEDESTRIAN ACCESS

PROTECT AND MAINTAIN VEHICULAR AND/OR PEDESTRIAN ACCESS

NOTE:

AREAS SHOWN TO BE CLOSED ARE APPROXIMATE. EXACT LIMITS SHALL BE APPROVED BY THE ENGINEER FOLLOWING COORDINATION WITH GREATER HARTFORD TRANSIT DISTRICT AND AMTRAK.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 8/20/2014

DESIGNER/DRAFTER: R WRIGHT
CHECKED BY: R BRAREN
SCALE IN FEET
0 20 40
SCALE 1"=20'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\FA..CGR..CPS..0170-2296..063...05..GEC...CONSTRUCTION..ST..002.dgn

SIGNATURE/BLOCK:
Baker
Michael Baker Engineering Inc.
500 Enterprise Drive
Suite 2B
Rocky Hill, CT 06067
STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION LICENSED PROFESSIONAL ENGINEER No. 19079

PROJECT TITLE:
NEW HAVEN - HARTFORD SPRINGFIELD RAIL CORRIDOR

TOWN: HARTFORD

DRAWING TITLE: CONSTRUCTION STAGING PLAN

PROJECT NO. 170-3261
DRAWING NO. STG-002
SHEET NO. 03.06