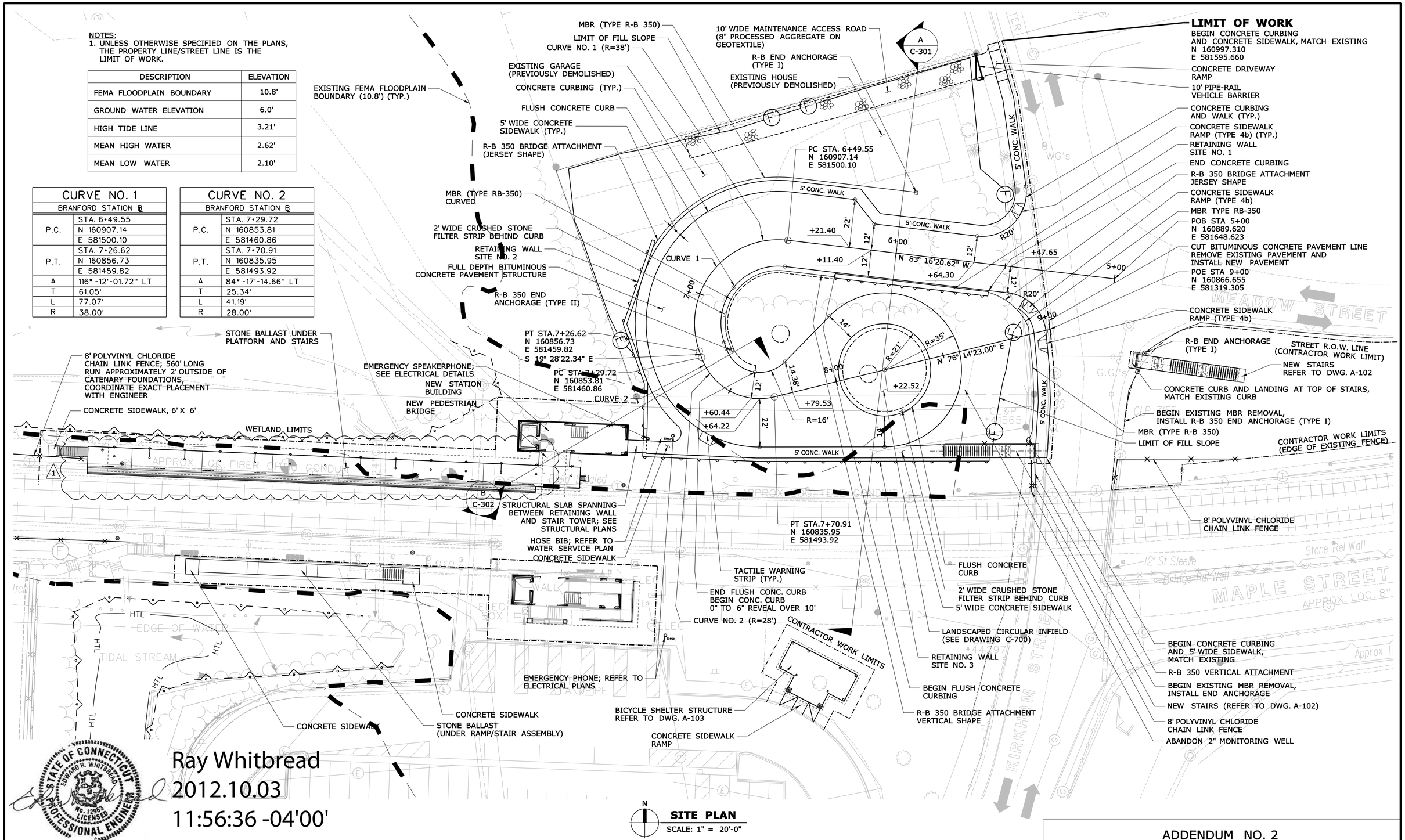
NOTES:
1. UNLESS OTHERWISE SPECIFIED ON THE PLANS, THE PROPERTY LINE/STREET LINE IS THE LIMIT OF WORK.

DESCRIPTION	ELEVATION
FEMA FLOODPLAIN BOUNDARY	10.8'
GROUND WATER ELEVATION	6.0'
HIGH TIDE LINE	3.21'
MEAN HIGH WATER	2.62'
MEAN LOW WATER	2.10'

CURVE NO. 1	
BRANFORD STATION ℞	
P.C.	STA. 6+49.55
	N 160907.14
	E 581500.10
P.T.	STA. 7+26.62
	N 160856.73
	E 581459.82
Δ	116° -12'-01.72" LT
T	61.05'
L	77.07'
R	38.00'

CURVE NO. 2	
BRANFORD STATION ℞	
P.C.	STA. 7+29.72
	N 160853.81
	E 581460.86
P.T.	STA. 7+70.91
	N 160835.95
	E 581493.92
Δ	84° -17'-14.66" LT
T	25.34'
L	41.19'
R	28.00'



Ray Whitbread
2012.10.03
11:56:36 -04'00'

STATE OF CONNECTICUT
EDWARD R. WHITBREAD
No. 12963
LICENSED
PROFESSIONAL ENGINEER

SITE PLAN
SCALE: 1" = 20'-0"

ADDENDUM NO. 2

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	9-28-12	PLATFORM CANOPY REVISED	01.03.009.A2

Filename: FD_MSH_CIV_0014_0056_C-103_A2.dgn

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.

Date Plotted: October, 2012

DESIGNER/DRAFTER: PB
CHECKED BY: ALM
SCALE IN FEET 0 20 40
SCALE 1"=20'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

ENGINEER: BAKER ENGINEERING
APPROVED BY:
DATE: 04/13/2011

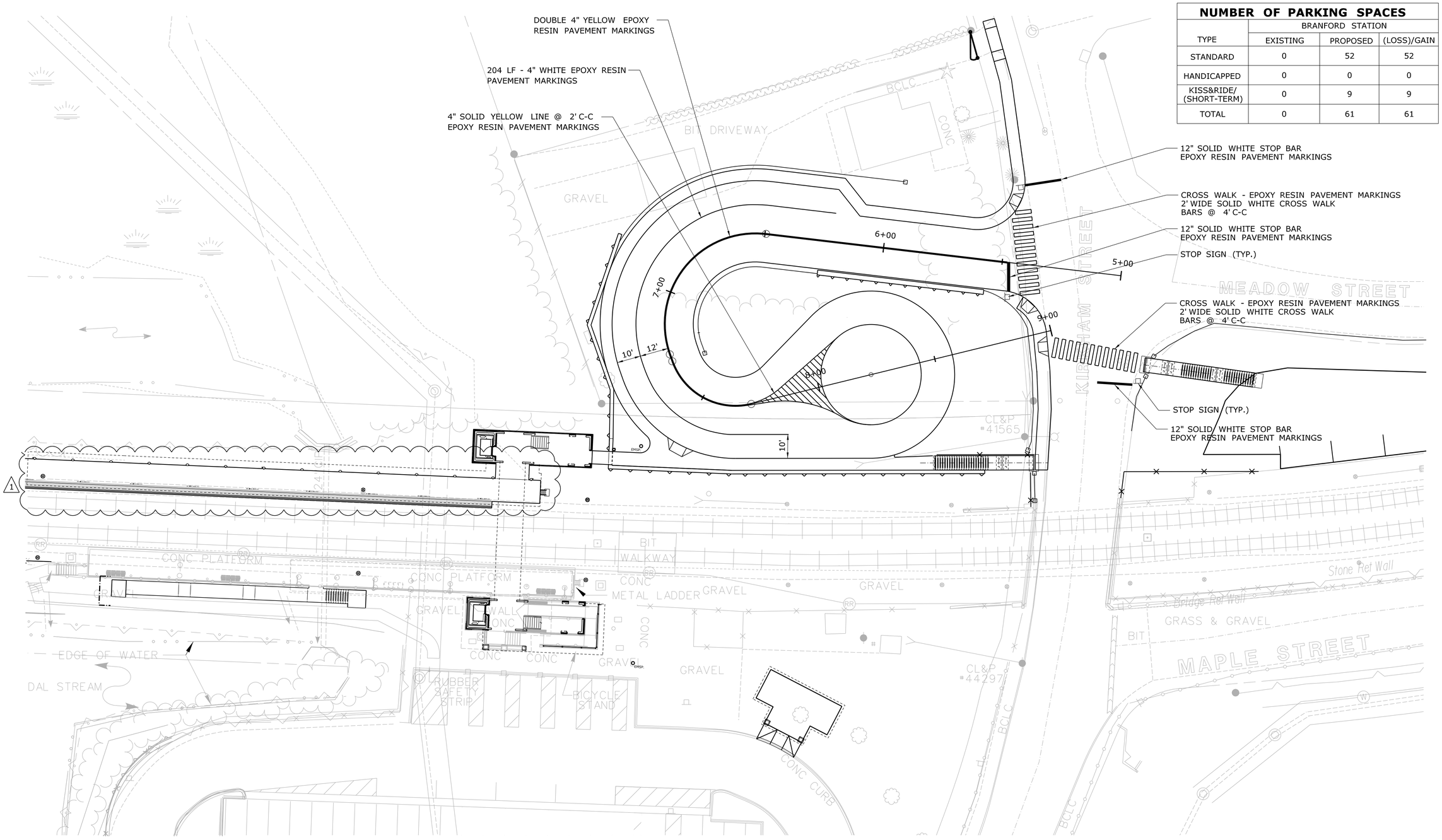
PROJECT TITLE:
SHORE LINE EAST RAILROAD STATIONS

TOWN: BRANFORD

DRAWING TITLE: BRANFORD NORTH SITE PLAN I

PROJECT NO. 310-0056
DRAWING NO. C-103
SHEET NO. 01.03.009.A2

NUMBER OF PARKING SPACES			
TYPE	BRANFORD STATION		
	EXISTING	PROPOSED	(LOSS)/GAIN
STANDARD	0	52	52
HANDICAPPED	0	0	0
KISS&RIDE/ (SHORT-TERM)	0	9	9
TOTAL	0	61	61



N

STRIPING PLAN

SCALE: 1" = 20'-0"

ADDENDUM NO. 2

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	9-28-12	PLATFORM CANOPY REVISED	01.03.011.A2

Filename: FD_MSH_SPM_0014_0056_C-105_A2.dgn

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.

Date Plotted: October 1, 2012

DESIGNER/DRAFTER: PB

CHECKED BY: ALM

SCALE IN FEET 0 20 40

SCALE 1"=20'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

ENGINEER: BAKER ENGINEERING

APPROVED BY: -

DATE: 04/13/2011

PROJECT TITLE:

SHORE LINE EAST RAILROAD STATIONS

TOWN: **BRANFORD**

DRAWING TITLE: **BRANFORD NORTH STRIPING PLAN I**

PROJECT NO. **310-0056**

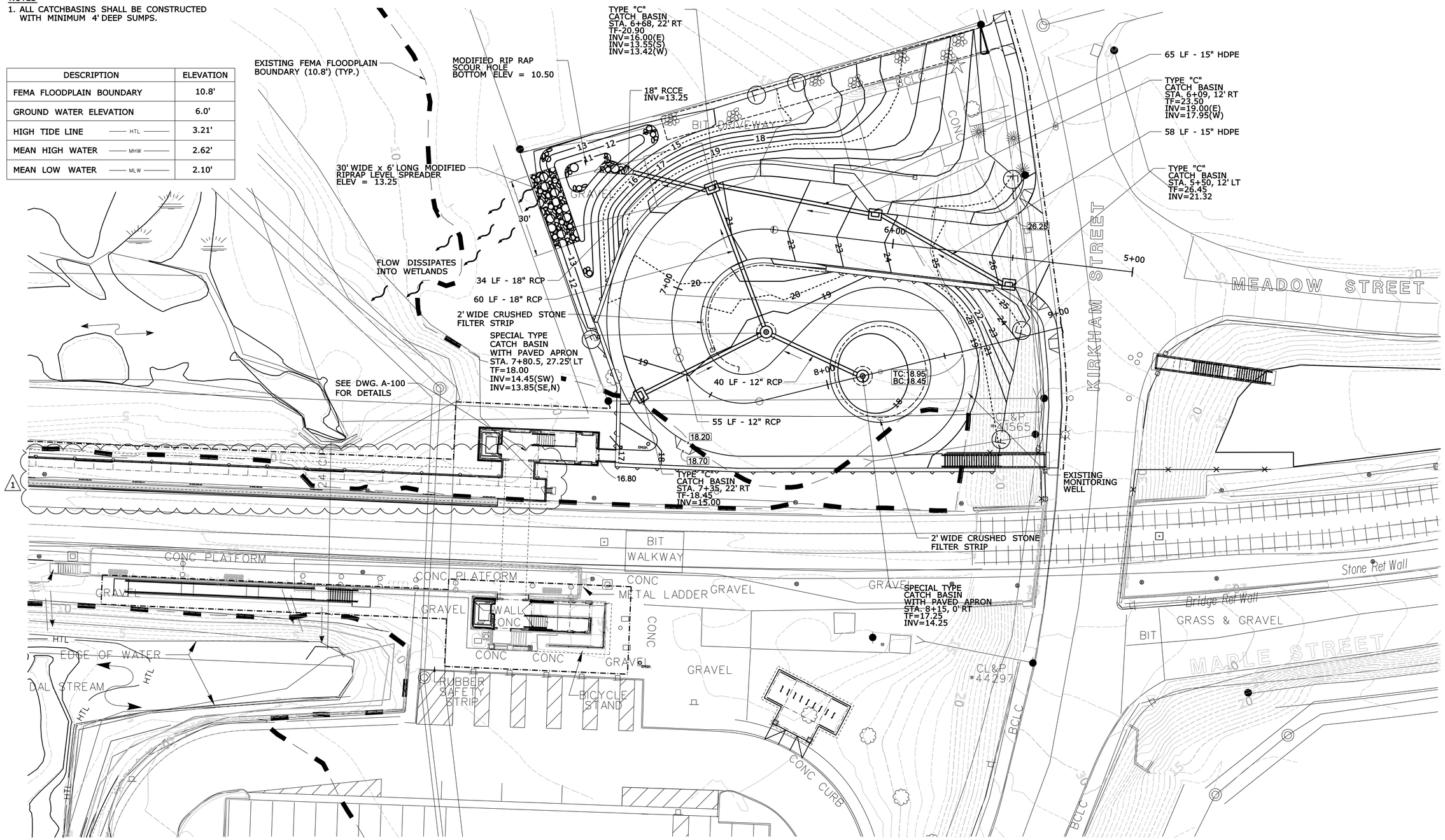
DRAWING NO. **C-105**

SHEET NO. **01.03.011.A2**

NOTES

1. ALL CATCHBASINS SHALL BE CONSTRUCTED WITH MINIMUM 4' DEEP SUMPS.

DESCRIPTION	ELEVATION
FEMA FLOODPLAIN BOUNDARY	10.8'
GROUND WATER ELEVATION	6.0'
HIGH TIDE LINE —— HTL ——	3.21'
MEAN HIGH WATER —— MHW ——	2.62'
MEAN LOW WATER —— MLW ——	2.10'



N

GRADING PLAN

SCALE: 1" = 20'-0"

ADDENDUM NO. 2

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	9-28-12	PLATFORM CANOPY REVISED	01.03.013.A2

Filename: FD_MSH_GRD_0014_0056_C-107_A2.dgn

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.

Date Plotted: October 1, 2012

DESIGNER/DRAFTER: PB

CHECKED BY: ALM

SCALE IN FEET 0 20 40 SCALE 1"=20'

STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION

ENGINEER: BAKER ENGINEERING

APPROVED BY: -

DATE: 04/13/2011

PROJECT TITLE: **SHORE LINE EAST RAILROAD STATIONS**

TOWN: **BRANFORD**

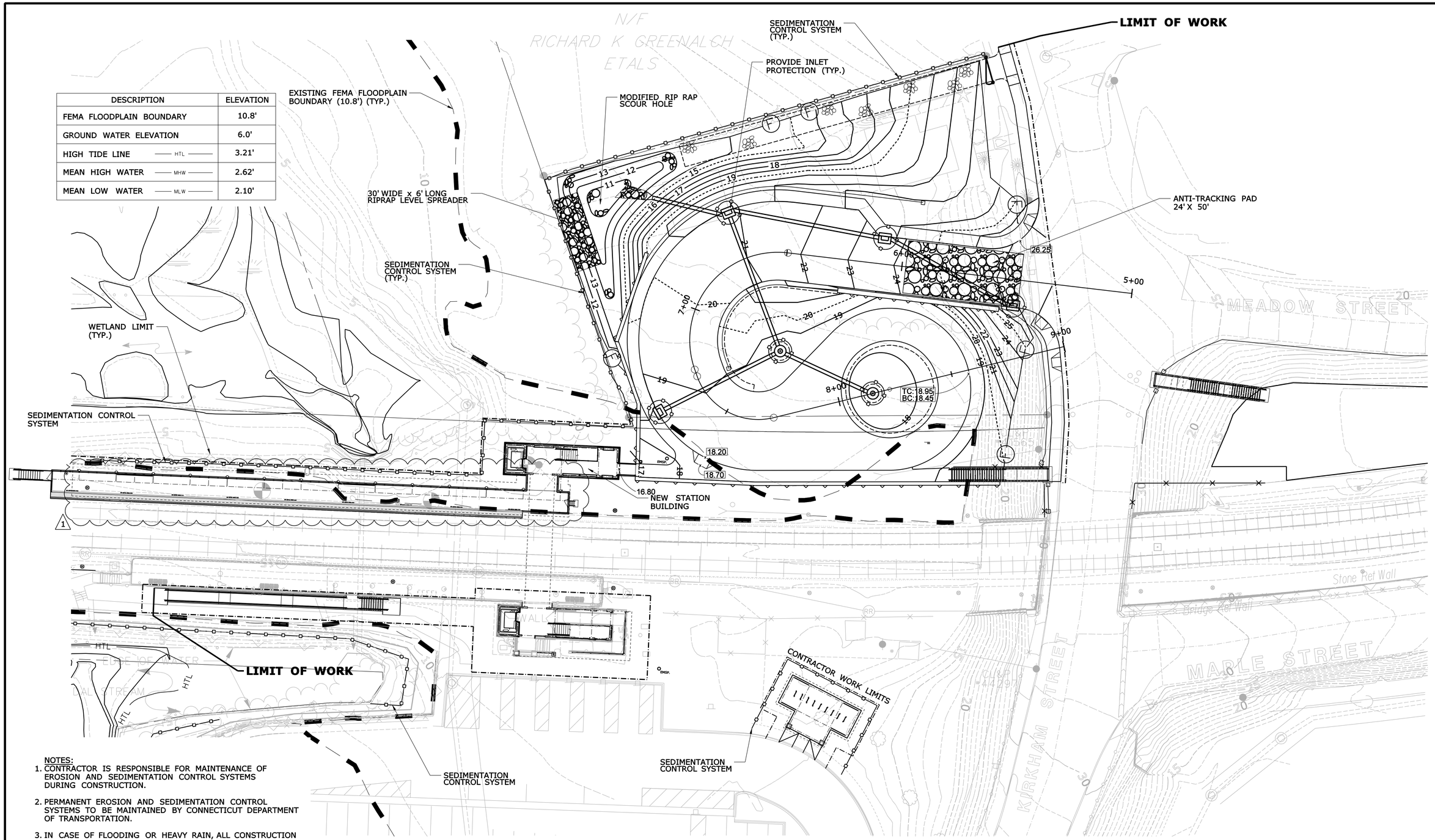
DRAWING TITLE: **BRANFORD NORTH GRADING PLAN**

PROJECT NO. **310-0056**

DRAWING NO. **C-107**

SHEET NO. **01.03.013.A2**

DESCRIPTION	ELEVATION
FEMA FLOODPLAIN BOUNDARY	10.8'
GROUND WATER ELEVATION	6.0'
HIGH TIDE LINE —— HTL ——	3.21'
MEAN HIGH WATER —— MHW ——	2.62'
MEAN LOW WATER —— MLW ——	2.10'



NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF EROSION AND SEDIMENTATION CONTROL SYSTEMS DURING CONSTRUCTION.
2. PERMANENT EROSION AND SEDIMENTATION CONTROL SYSTEMS TO BE MAINTAINED BY CONNECTICUT DEPARTMENT OF TRANSPORTATION.
3. IN CASE OF FLOODING OR HEAVY RAIN, ALL CONSTRUCTION EQUIPMENT AND MATERIALS ARE TO BE STORED ABOVE THE FEMA-DEFINED FLOODPLAIN BOUNDARY (ELEV. 10.8).
4. ALL CATCHBASINS SHALL BE CONSTRUCTED WITH MINIMUM 4' DEEP SUMPS.

N

SEDIMENTATION & EROSION CONTROL PLAN

SCALE: 1" = 20'-0"

ADDENDUM NO. 2

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	9-28-12	PLATFORM CANOPY REVISED	01.03.014.A2

Filename: FD_MSH_SED_0014_0056_C-108_A2.dgn

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.

Date Plotted: October 1, 2012

DESIGNER/DRAFTER: PB

CHECKED BY: ALM

SCALE IN FEET 0 20 40 SCALE 1"=20'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

ENGINEER: BAKER ENGINEERING

APPROVED BY: -

DATE: 04/13/2011

PROJECT TITLE: SHORE LINE EAST RAILROAD STATIONS

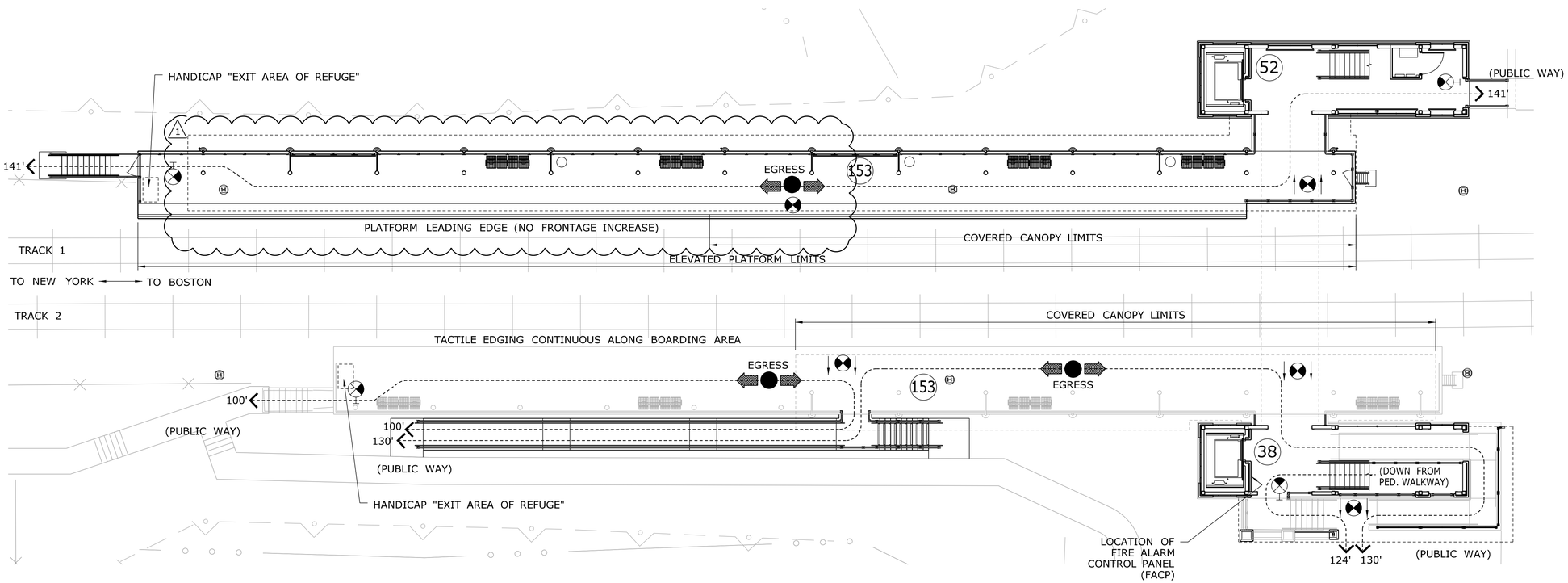
TOWN: BRANFORD

DRAWING TITLE: SEDIMENTATON & EROSION CONTROL PLAN

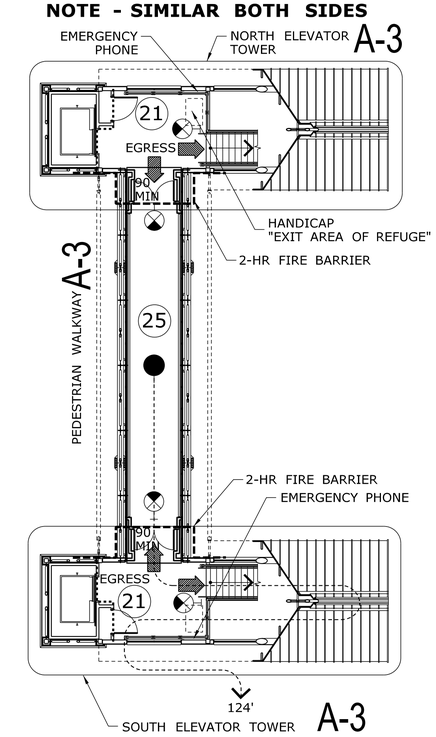
PROJECT NO. 310-0056

DRAWING NO. C-108

SHEET NO. 01.03.014.A2



NOTE - SIMILAR BOTH SIDES



PLATFORM PLAN — A / A-002

N

SCALE: N.T.S.

BRIDGE PLAN — B / A-002

N

SCALE: N.T.S.

TRAIN STATION CODE ANALYSIS AND GENERAL REQUIREMENTS

BUILDING USE GROUP PER SECTION 303.1 : USE GROUP A-3
"WAITING AREAS IN PASSENGER TERMINALS"

CT STATE THRESHOLD LIMITS EXCEEDED : NO

CONSTRUCTION TYPE: IIB (PER TABLE 601) - EXTERIOR WALLS ARE OF NONCOMBUSTIBLE MATERIALS AND THE INTERIOR BUILDING ELEMENTS ARE OF ANY MATERIAL PERMITTED BY THE CODE.

STRUCTURAL FRAME: 0 HOURS
BEARING WALLS: 0 HOURS
NON-BEARING WALLS AND PARTITIONS: 0 HOURS
FLOORS: 0 HOURS
ROOFS: 0 HOURS

NORTH AND SOUTH TOWERS CONSIDERED TWO SEPARATE STRUCTURES (PER IBC 2003 SECTION 3104.2)

ALL LEVELS ABOVE GRADE

TABLE 503 - HEIGHT/AREA LIMITS

(ALLOWABLE) 2 STORIES, 55-FEET / 9,500 S.F.
(ACTUAL) 2 STORIES, 46'-6" / 1,256 S.F.

STAIR EGRESS WIDTH = 56"/.3 = 186 PERSONS PER STAIRWAY
(MEETS OCCUPANCY LOAD FOR SECOND FLOOR AREAS)

PLATFORM CODE ANALYSIS

COVERED CANOPY SECTIONS CONTRIBUTE TO BUILDING AREA (PER 503.1)
(ASSUMES FULL CANOPY COVERAGE)

PEDESTRIAN WALKWAY CONSTRUCTION

PEDESTRIAN WALKWAY = 361 GSF (DOES NOT CONTRIBUTE TO OVERALL SF PER 2003 IBC SECTION 3104.1)

PER 2003 IBC SECTION 3104.3, THE PEDESTRIAN WALKWAY SHALL BE OF NONCOMBUSTIBLE CONSTRUCTION.

FIRE BARRIERS BETWEEN PESEDTRIAN WALKWAYS AND BUILDINGS (PER IBC 2003 SECTION 3104.5)
(STAIR TOWERS CONSIDERED BUILDINGS)

WALKWAYS SHALL BE SEPARATED FROM THE INTERIOR OF THE BUILDING BY FIRE BARRIER WALLS WITH A FIRE-RESISTANCE RATING OF NOT LESS THAN 2 HOURS. THIS PROTECTION SHALL EXTEND VERTICALLY FROM A POINT 10 FEET ABOVE THE WALKWAY ROOF SURFACE OR THE CONNECTED BUILDING ROOF LINE, WHICHEVER IS LOWER, DOWN TO A POINT 10 FEET BELOW THE WALKWAY AND HORIZONTALLY 10 FEET FROM EACH SIDE OF THE PEDESTRIAN WALKWAY.
OPENINGS WITHIN THE 10-FOOT HORIZONTAL EXTENSION OF THE PROTECTED WALLS BEYOND THE WALKWAY SHALL BE EQUIPPED WITH DEVICES PROVIDING A 3/4-HOUR FIRE PROTECTION RATING IN ACCORDANCE WITH SECTION 715.

PEDESTRIAN WALKWAY EGRESS (PER IBC 2003 SECTION 3104.7)

ACCESS SHALL BE PROVIDED AT ALL TIMES TO A PEDESTRIAN WALKWAY THAT SERVES AS A REQUIRED EXIT.
(DOORS TO PEDESTRIAN WALKWAY SHALL NOT BE LOCKABLE)

PEDESTRIAN WALKWAY WIDTH (PER IBC 2003 SECTION 3104.8)

THE UNOBSTRUCTED WIDTH OF PEDESTRIAN WALKWAYS SHALL NOT BE LESS THAN 36 INCHES. THE TOTAL WIDTH SHALL NOT EXCEED 30 FEET.
(ACTUAL WIDTH AT NARROWEST POINT = 67¼")

PEDESTRIAN WALKWAY EXIT EGRESS TRAVEL (PER IBC 2003 SECTION 3104.9)

THE LENGTH OF EXIT ACCESS TRAVEL SHALL NOT EXCEED 200 FEET.
(ACTUAL = 124'-0" FROM CENTER OF PEDESTRIAN WALKWAY TO GRADE)

CODES

EXCEPT AS AMENDED, ALTERED OR DELETED BY THE CONNECTICUT SUPPLEMENT, THE CODES LISTED BELOW ARE ADOPTED BY REFERENCE AS THE 2005 STATE BUILDING CODE (WITH 2009 AMENDMENTS), AND APPLY TO THE CONSTRUCTION OF THIS FACILITY:

2003 INTERNATIONAL BUILDING CODE
2003 INTERNATIONAL RESIDENTIAL CODE
2003 INTERNATIONAL EXISTING BUILDING CODE
2003 INTERNATIONAL MECHANICAL CODE
2003 INTERNATIONAL PLUMBING CODE
2006 INTERNATIONAL ENERGY CONSERVATION CODE
2005 NATIONAL ELECTRICAL CODE NFPA 70-2005
ICC/ANSI A117.1-2003
2005 NFPA 70 NATIONAL ELECTRICAL CODE OF THE NFPA
ASME A17.1, SAFETY CODE FOR ELEVATORS AND ESCALATORS
(REFER TO CONTRACT SPECIFICATIONS, STRUCTURAL AND ELECTRICAL PLANS FOR OTHER REFERENCES AND CODES WHICH MAY APPLY)

OCCUPANCY

OCCUPANCY (BASED ON IBC 2003 TABLE 1004.1.2, 15 GSF PER OCCUPANT - SIMILAR TO AIRPORT WAITNG AREAS)

PEDESTRIAN WALKWAY (361 GSF) = 25 OCCUPANTS
NORTH TOWER, 1ST FLOOR (771 GSF) = 52 OCCUPANTS
NORTH TOWER, 2ND FLOOR (303 GSF) = 21 OCCUPANTS
SOUTH TOWER, 1ST FLOOR (556 GSF) = 38 OCCUPANTS
SOUTH TOWER, SECOND FLOOR (303 GSF) = 21 OCCUPANTS
NORTH PLATFORM (2284 GSF) = 153 OCCUPANTS
SOUTH PLATFORM (2284 GSF) = 153 OCCUPANTS

=463 TOTAL OCCUPANTS

LEGEND

- ONE-HOUR RATED PARTITION
- TWO-HOUR FIRE BARRIER
- 45 MIN — DOOR FIRE PROTECTION RATING
- DIRECTIONAL ILLUMINATED EXIT SIGN
- ILLUMINATED EXIT SIGN
- 25 — NUMBER OF OCCUPANTS IN SPACE
- B — OCCUPANCY CLASSIFICATION
- XX — EGRESS TRAVEL DISTANCE

ADDENDUM NO. 2

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	09/28/12	EXTENDED PLATFORM CANOPY	01.03.027.A2

Filename: FD_MSH_ARC_0014_0056_A-002_A2.dgn

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Date Plotted: October, 2012

DESIGNER/DRAFTER: D. TUDRYN / R. WRIGHT
CHECKED BY: D. TUDRYN
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

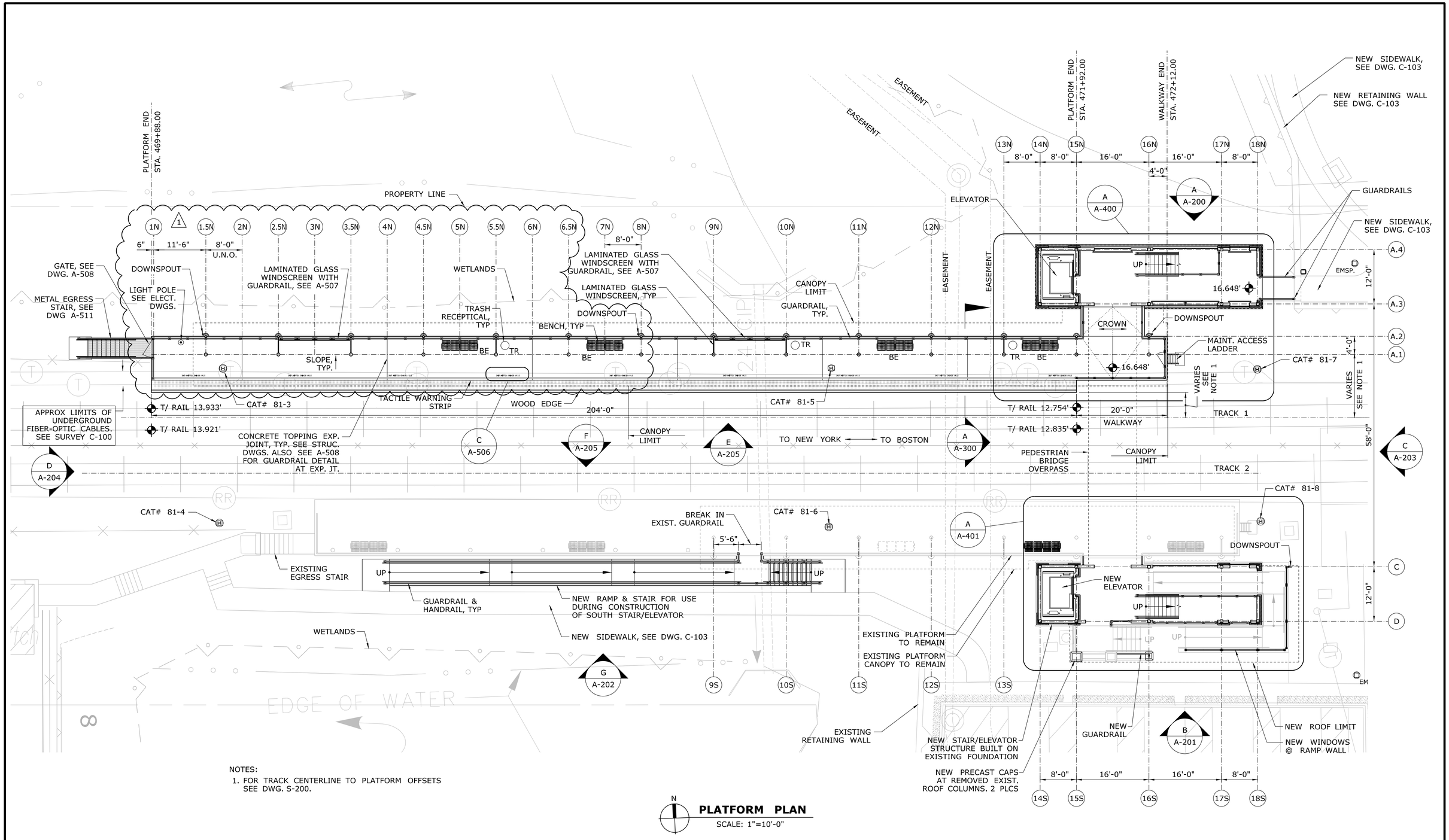
ENGINEER: BAKER ENGINEERING
APPROVED BY:
DATE: 04/13/2011

PROJECT TITLE: SHORE LINE EAST RAILROAD STATIONS

TOWN: BRANFORD

DRAWING TITLE: CODE COMPLIANCE

PROJECT NO. 310-0056
DRAWING NO. A-002
SHEET NO. 01.03.027.A2



NOTES:

1. FOR TRACK CENTERLINE TO PLATFORM OFFSETS SEE DWG. S-200.

PLATFORM PLAN

SCALE: 1"=10'-0"

ADDENDUM NO. 2

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	09/28/12	EXTENDED PLATFORM CANOPY. ADDED MAINTENANCE CLOSETS.	01.03.028.A2

Filename: FD_MSH_ARC_0014_0056_A-100_A2.dgn

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Date Plotted: October, 2012

DESIGNER/DRAFTER: D. Tudryn / R. Wright
CHECKED BY: D. TUDRYN
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

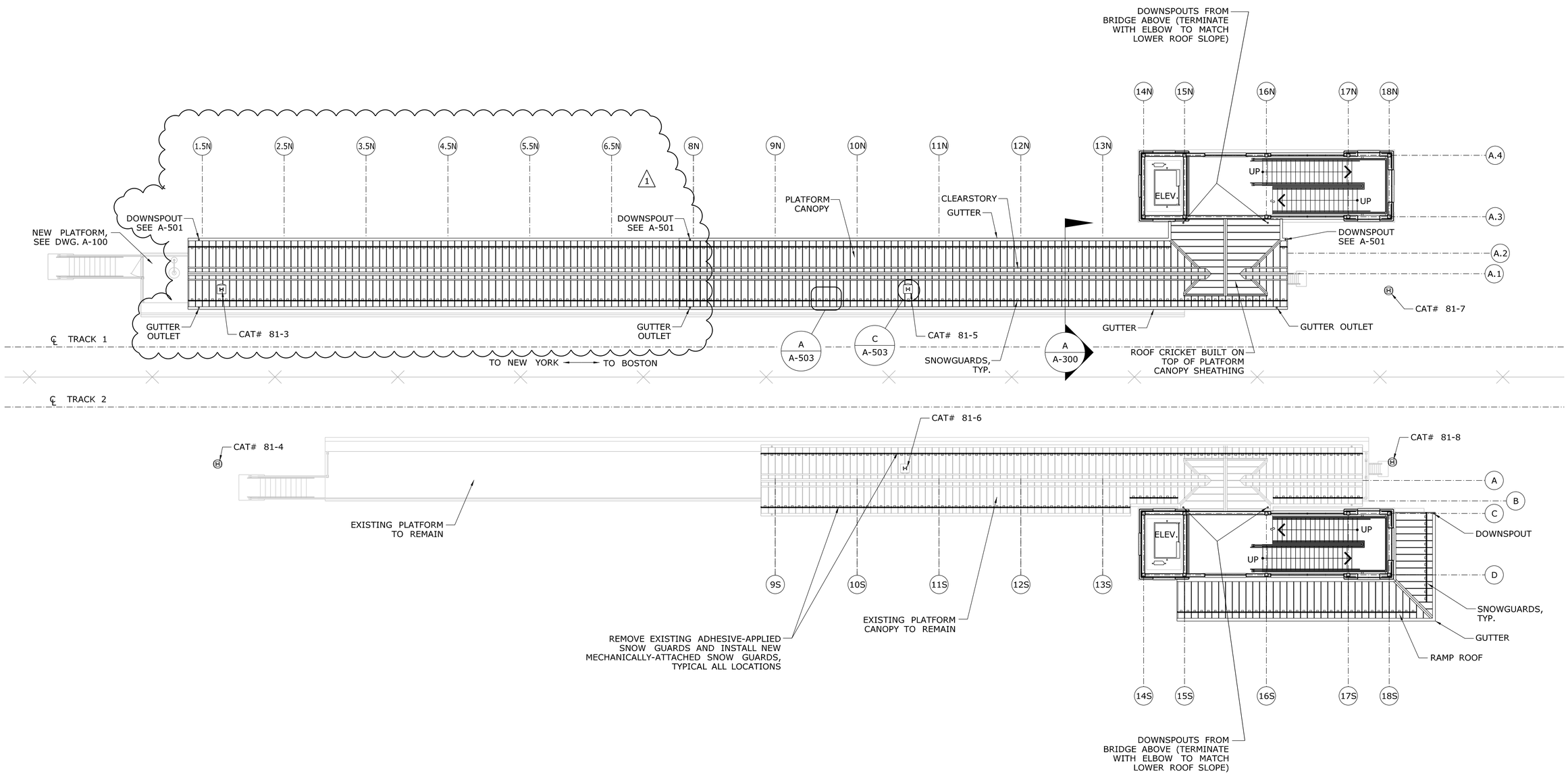
ENGINEER: BAKER ENGINEERING
APPROVED BY:
DATE: 04/13/2011

PROJECT TITLE: SHORE LINE EAST RAILROAD STATIONS

TOWN: BRANFORD

DRAWING TITLE: PLATFORM PLAN

PROJECT NO. 310-0056
DRAWING NO. A-100
SHEET NO. 01.03.028.A2



N

LOWER ROOF PLAN

SCALE: 1"=10'-0"

ADDENDUM NO. 2

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	09/28/12	EXTENDED PLATFORM CANOPY. REVISED DOWNSPOUT LOCATIONS.	01.03.032.A2

Filename: FD_MSH_ARC_0014_0056_A-120_A2.dgn

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Date Plotted: October, 2012

DESIGNER/DRAFTER: D. Tudryn / R. Wright

CHECKED BY: D. TUDRYN

SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

ENGINEER: BAKER ENGINEERING

APPROVED BY:

DATE: 04/13/2011

PROJECT TITLE:

SHORE LINE EAST RAILROAD STATIONS

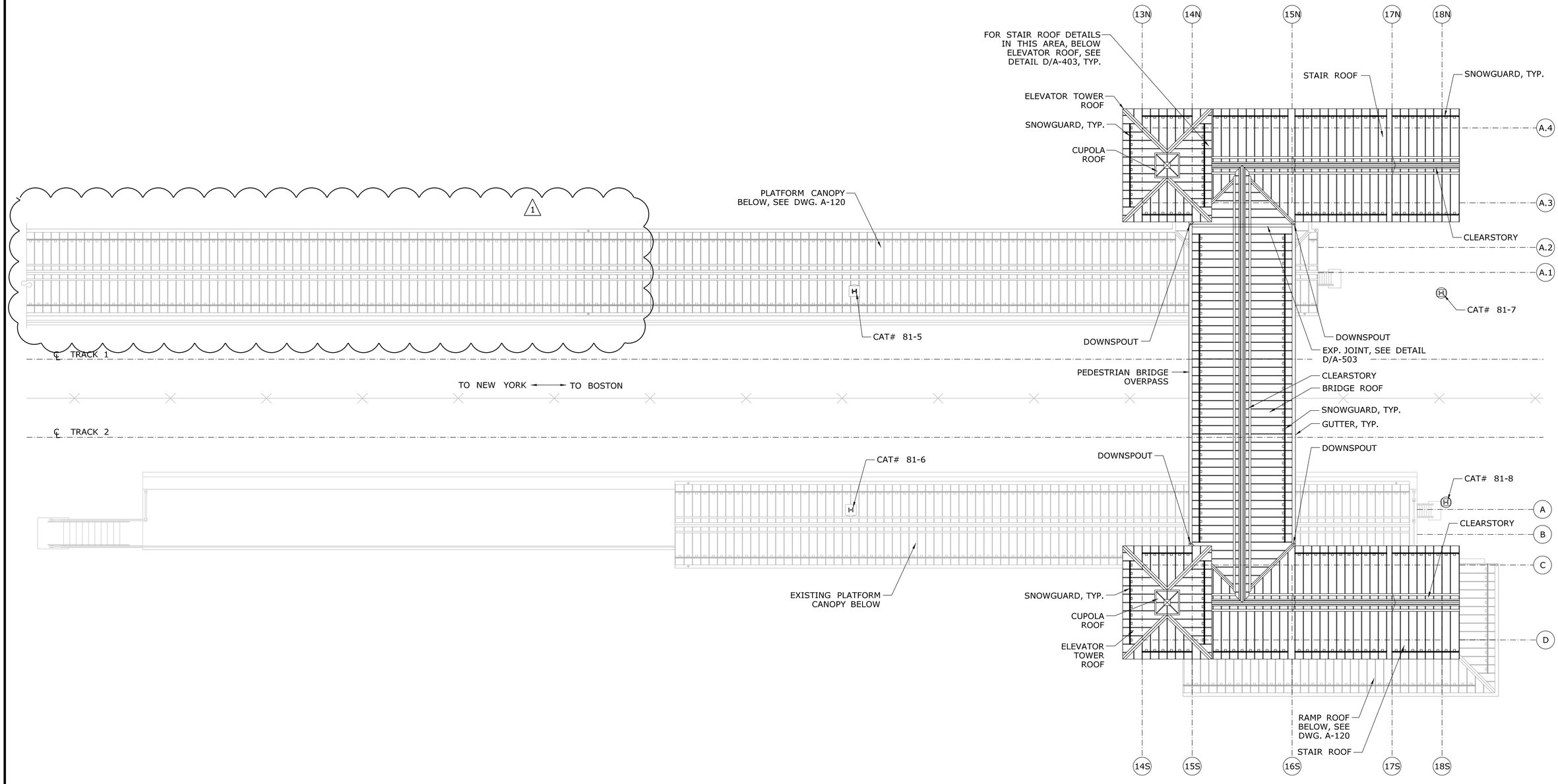
TOWN: **BRANFORD**

DRAWING TITLE: **ROOF PLAN - 1**

PROJECT NO. **310-0056**

DRAWING NO. **A-120**

SHEET NO. **01.03.032.A2**



UPPER ROOF PLAN

SCALE: 1/8"=1'-0"

ADDENDUM NO. 2

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	10-17-12	EXTENDED PLATFORM CANOPY.	01.03.033.A2

Filename: FD_MSH_ARC_0014_0056_A-121_A2.dgn

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Date Plotted: October, 2012

DESIGNER/DRAFTER: D. Tudryn / R. Wright

CHECKED BY: D. TUDRYN

SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

ENGINEER: BAKER ENGINEERING

APPROVED BY:

DATE: 04/13/2011

PROJECT TITLE:

SHORE LINE EAST
RAILROAD STATIONS

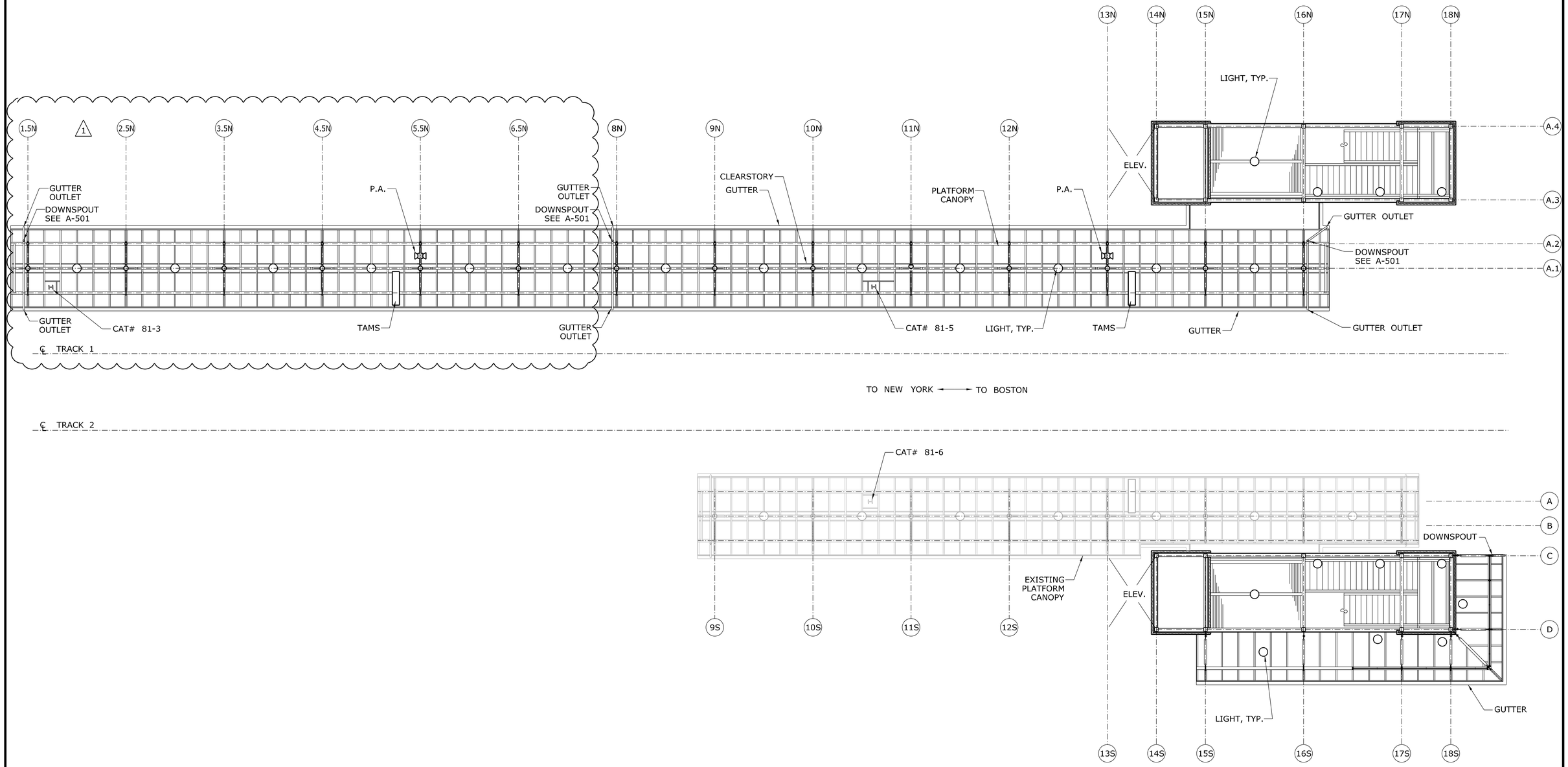
TOWN: BRANFORD

DRAWING TITLE: ROOF PLAN - 2

PROJECT NO. 310-0056

DRAWING NO. A-121

SHEET NO. 01.03.033.A2



PLATFORM LEVEL REFLECTED CEILING PLAN

SCALE: 1/8"=1'-0"

ADDENDUM NO. 2

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	09/28/12	EXTENDED PLATFORM CANOPY.	01.03.034.A2

Filename: FD_MSH_ARC_0014_0056_A-122_A2.dgn

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Date Plotted: October, 2012

DESIGNER/DRAFTER: D. Tudryn / R. Wright

CHECKED BY: D. TUDRYN

SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

ENGINEER: BAKER ENGINEERING

APPROVED BY:

DATE: 04/13/2011

PROJECT TITLE:

SHORE LINE EAST RAILROAD STATIONS

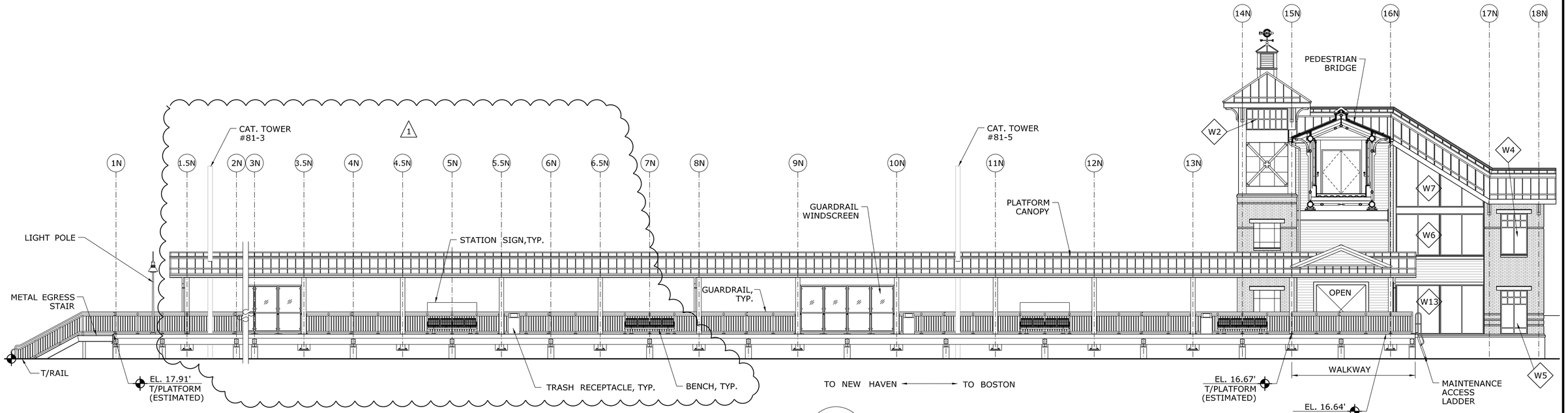
TOWN: **BRANFORD**

DRAWING TITLE: **REFLECTED CEILING PLAN - 1**

PROJECT NO. **310-0056**

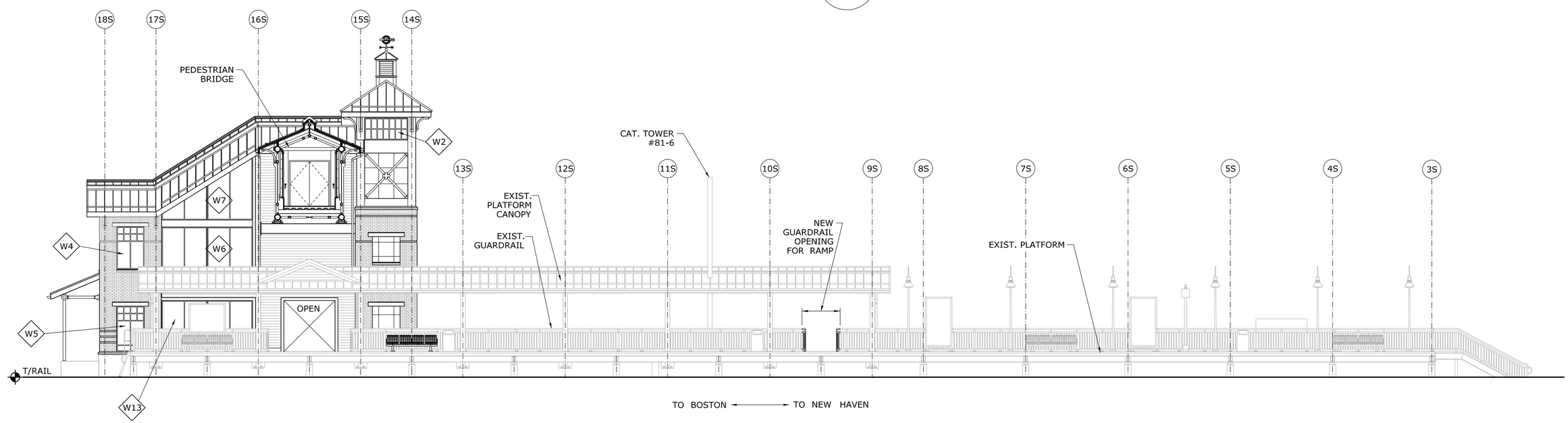
DRAWING NO. **A-122**

SHEET NO. **01.03.034.A2**



NORTH PLATFORM — E / A-100

SCALE: 1/8"=1'-0"



SOUTH PLATFORM — F / A-100

SCALE: 1/8"=1'-0"

ADDENDUM NO. 2

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	09/28/12	EXTENDED PLATFORM CANOPY. ADDED MAINT. CLOSET	01.03.041.A2

Filename: FD_MSH_ARC_0154_0056_A-205_A2.dgn

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.

Date Plotted: October, 2012

DESIGNER/DRAFTER: D. TUDRYN / R. WRIGHT

CHECKED BY: D. TUDRYN

SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

ENGINEER: BAKER ENGINEERING

APPROVED BY:

DATE: 04/13/2011

PROJECT TITLE:

SHORE LINE EAST RAILROAD STATIONS

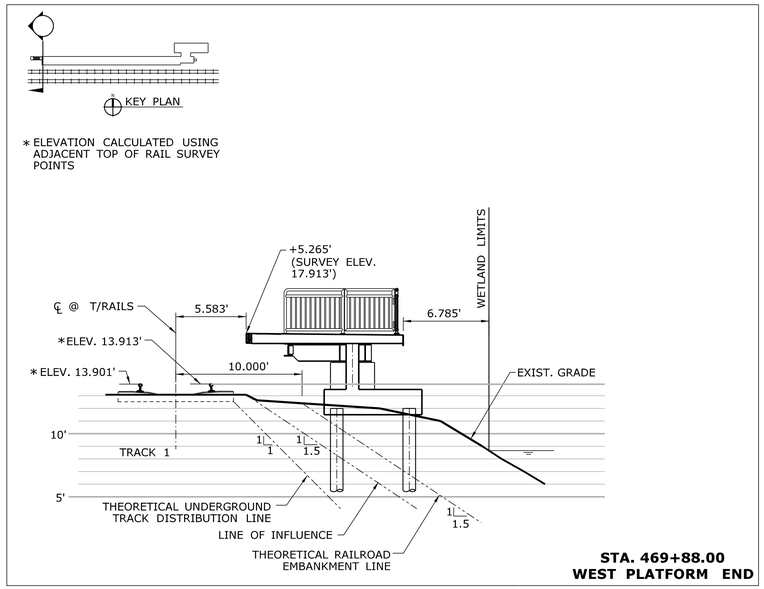
TOWN: **BRANFORD**

DRAWING TITLE: **PLATFORM ELEVATIONS**

PROJECT NO. **310-0056**

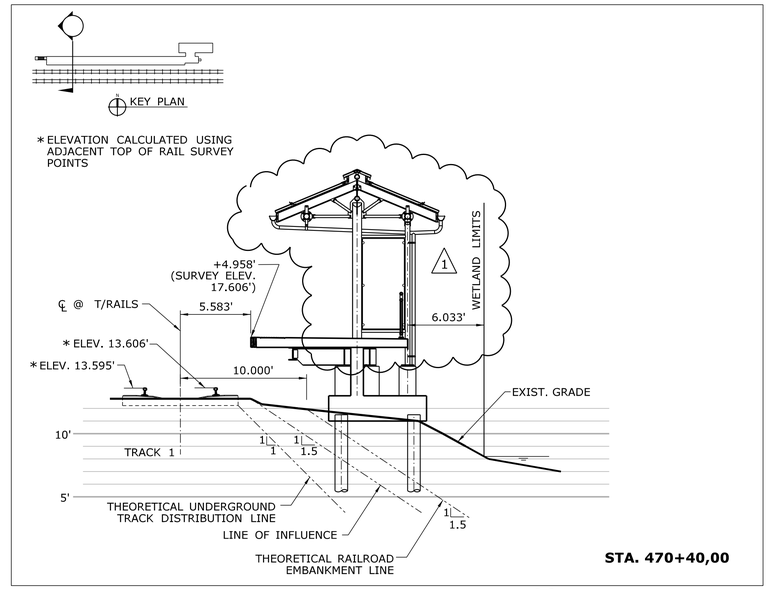
DRAWING NO. **A-205**

SHEET NO. **01.03.041.A2**



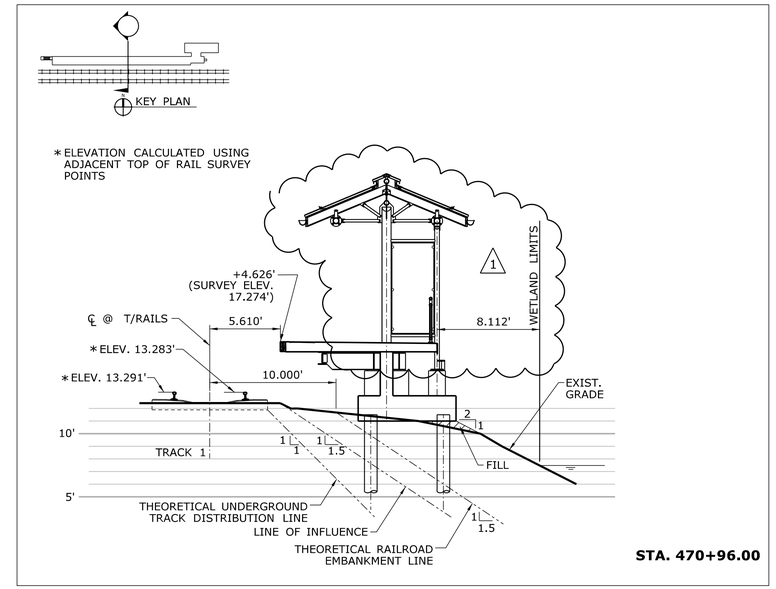
STA. 469+88.00 SECTION **A** / **A-305**

SCALE: N.T.S.



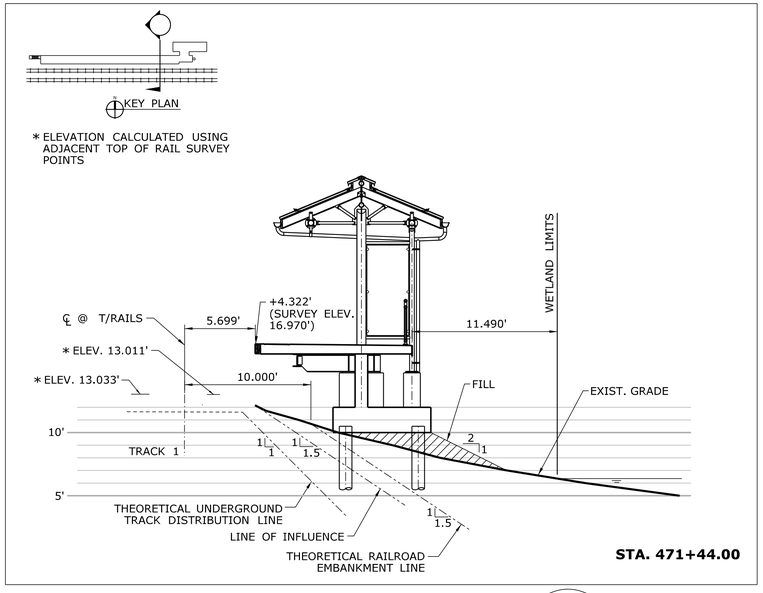
STA. 470+37.63 SECTION **B** / **A-305**

SCALE: N.T.S.



STA. 470+97.66 SECTION **C** / **A-305**

SCALE: N.T.S.



STA. 471+41.92 SECTION **D** / **A-305**

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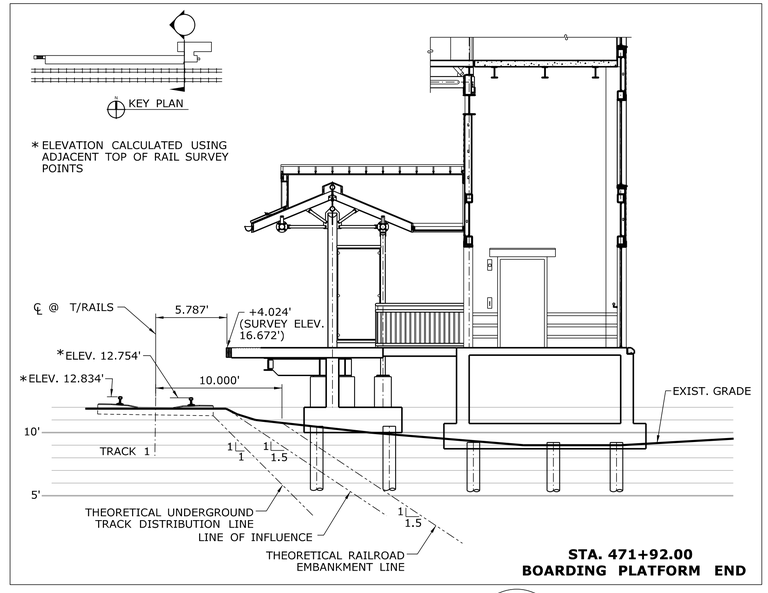

STA. 471+92.00 SECTION **E** / **A-305**

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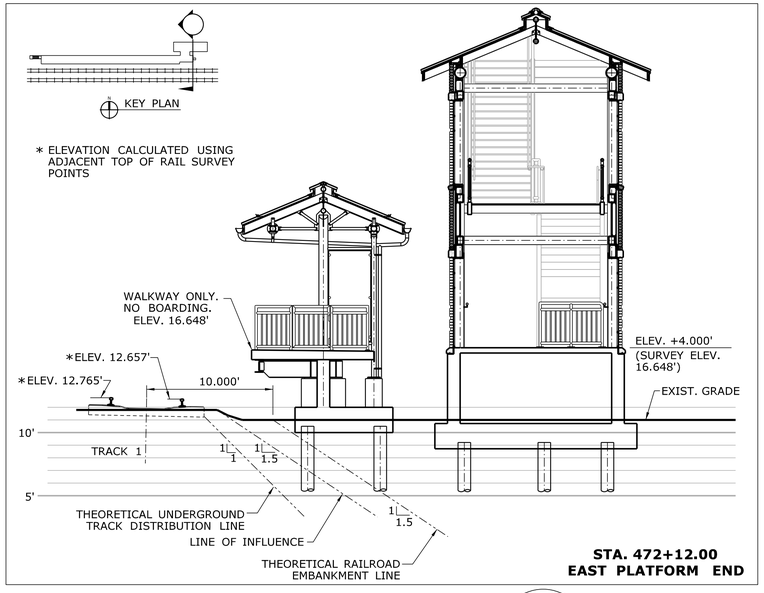


STA. 472+12.00 SECTION **F** / **A-305**

SCALE: N.T.S.

NOTE:

REFER TO DWG. S-200 FOR ADDITIONAL PLATFORM OFFSET INFORMATION.

ADDENDUM NO. 2

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	09/28/12	ADDED CANOPY TO SECTIONS B & C.	01.03.047.A2

Filename: FD_MSH_ARC_0014_0056_A-305_A2.dgn

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.

Date Plotted: October, 2012

DESIGNER/DRAFTER: D. TUDRYN / R. WRIGHT

CHECKED BY: D. TUDRYN

SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

ENGINEER: BAKER ENGINEERING

APPROVED BY:

DATE: 04/13/2011

PROJECT TITLE: **SHORE LINE EAST RAILROAD STATIONS**

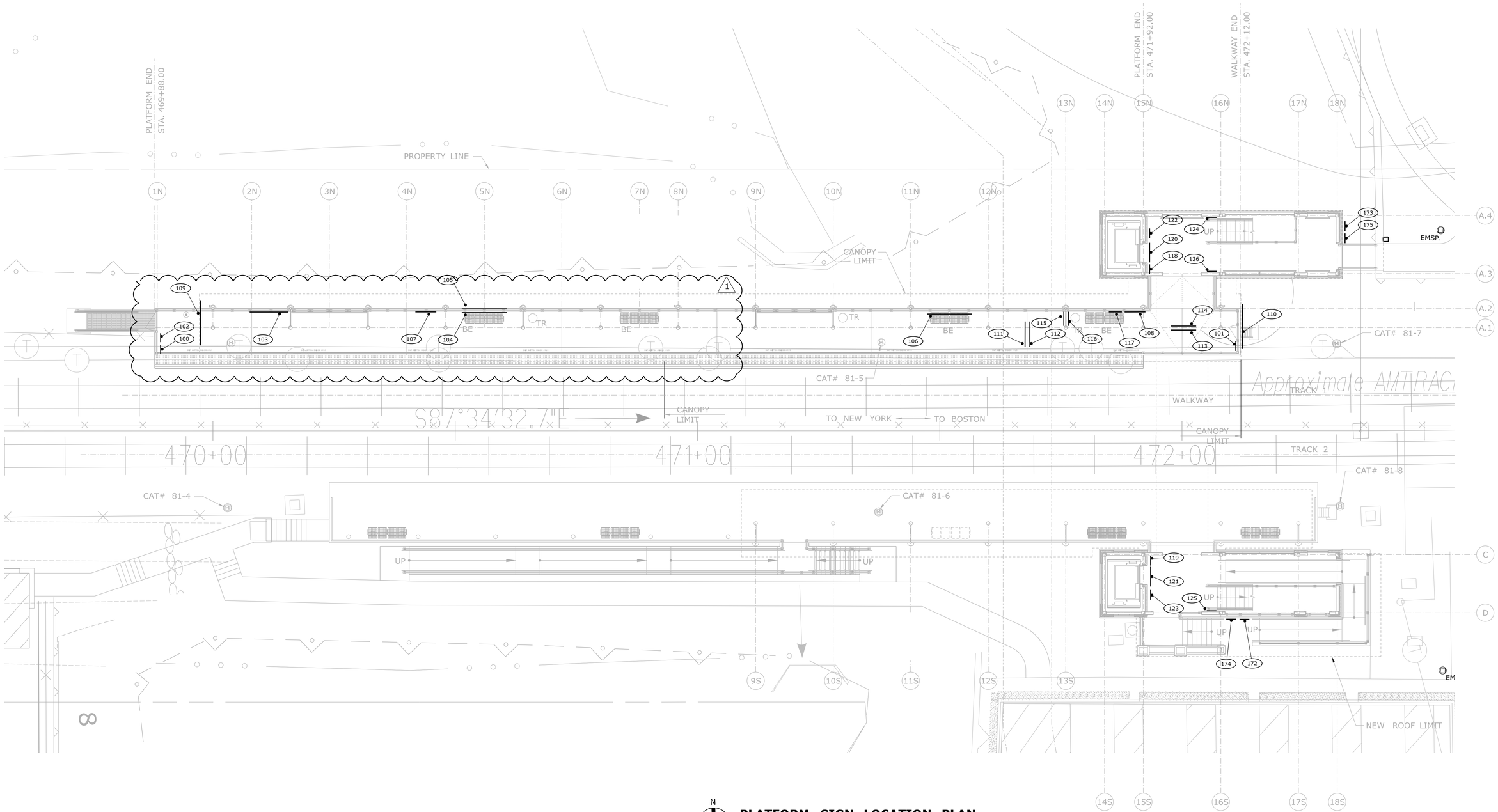
TOWN: **BRANFORD**

DRAWING TITLE: **PLATFORM CROSS SECTIONS**

PROJECT NO. **310-0056**

DRAWING NO. **A-305**

SHEET NO. **01.03.047.A2**



N

PLATFORM SIGN LOCATION PLAN

SCALE: 1"=10'-0"

ADDENDUM NO. 2

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	09/28/12	EXTENDED PLATFORM CANOPY	01.03.083.A2

Filename: FD_MSH_SGN_0014_0056_N-102_A2.dgn

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.

Date Plotted: October, 2012

DESIGNER/DRAFTER: MAR / PB

CHECKED BY: -

SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

ENGINEER: BAKER ENGINEERING

APPROVED BY:

DATE: 04/13/2011

PROJECT TITLE:

SHORE LINE EAST RAILROAD STATIONS

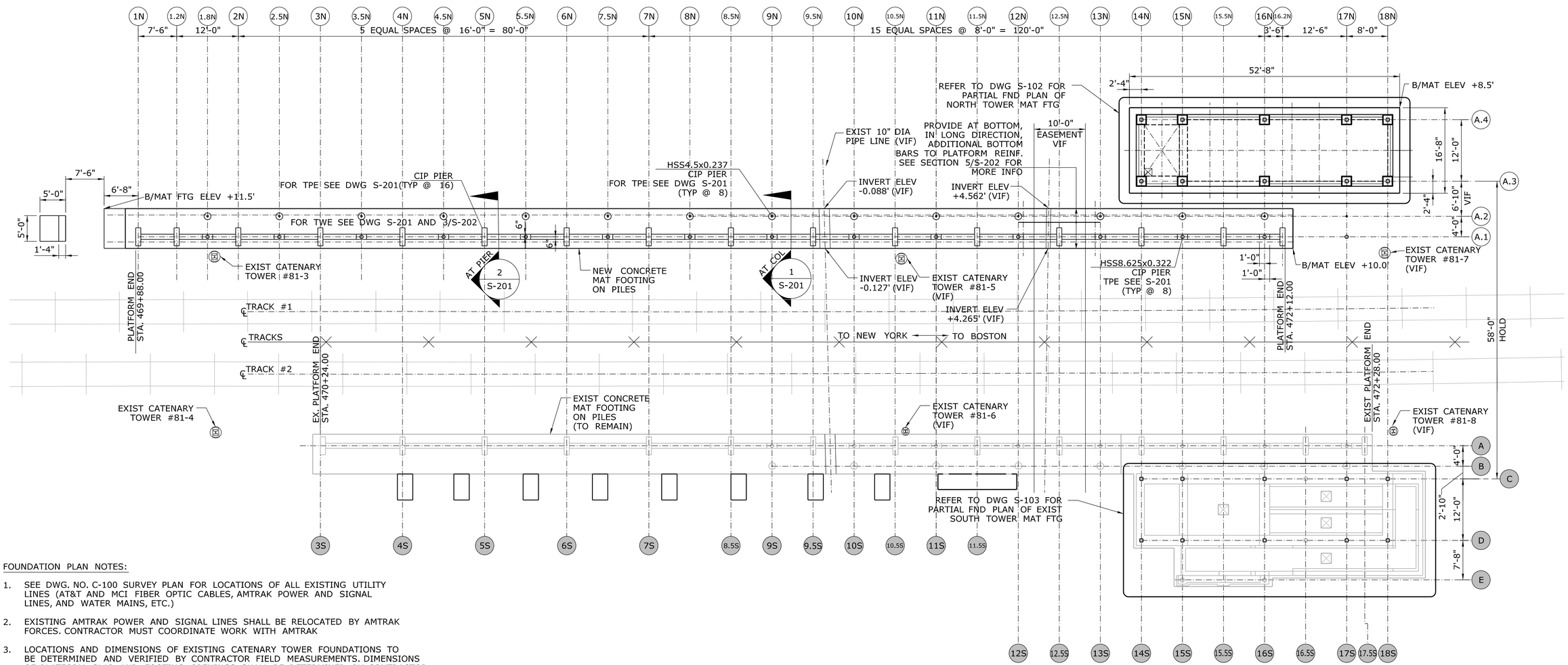
TOWN: **BRANFORD**

DRAWING TITLE: **PLATFORM SIGN LOCATION PLAN**

PROJECT NO. **310-0056**

DRAWING NO. **N-102**

SHEET NO. **01.03.082.A2**



FOUNDATION PLAN NOTES:

1. SEE DWG. NO. C-100 SURVEY PLAN FOR LOCATIONS OF ALL EXISTING UTILITY LINES (AT&T AND MCI FIBER OPTIC CABLES, AMTRAK POWER AND SIGNAL LINES, AND WATER MAINS, ETC.)
2. EXISTING AMTRAK POWER AND SIGNAL LINES SHALL BE RELOCATED BY AMTRAK FORCES. CONTRACTOR MUST COORDINATE WORK WITH AMTRAK
3. LOCATIONS AND DIMENSIONS OF EXISTING CATENARY TOWER FOUNDATIONS TO BE DETERMINED AND VERIFIED BY CONTRACTOR FIELD MEASUREMENTS. DIMENSIONS OF PLATFORM SLAB AND FOOTING OPENINGS SHALL BE DETERMINED BY CONTRACTOR FIELD MEASUREMENTS, AND APPROVED BY THE ENGINEER. CONSTRUCTION WILL NOT BE PERMITTED WITHOUT PRIOR APPROVAL OF THE ENGINEER.
4. THE CONTRACTOR SHALL PROTECT THE EXISTING 18" DIA. MP AND 10" DIA. SANITARY SEWER FROM DAMAGE DURING CONSTRUCTION.
5. THE CONTRACTOR SHALL USE HAND EXCAVATION AT THE LOCATION OF FIBER OPTIC CABLES WHERE APPLICABLE.
6. CONCRETE PILES NOT SHOWN FOR CLARITY. REFER TO DWG S-100 FOR PILE LOCATIONS.
7. PIPE INVERT ELEVATIONS AND B/MAT ELEVATIONS INDICATED ARE BASE ON NGVD 1929, UNO.
8. ALL OTHER ELEVATIONS ARE BASED ON TOP OF RAIL ELEVATION. THIS IS THE DATUM ELEV 0'-0".
9. COLUMN LINES A.1 AND A.2 ARE NOT STRAIGHT LINES; THEY ARE ESTABLISHED USING THE HORIZONTAL OFFSET DIMENSIONS FROM THE TRACK #1 CENTERLINE AS INDICATED IN DWG S-200.

N

OVERALL FOUNDATION PLAN 1

SCALE: 1"= 10'

ADDENDUM NO. 2

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	09/28/12	REVISED SCALE	01.03.095.A2

Filename: FD_MSH_STR_0014_0056_S-101_A2.dgn

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.

Date Plotted: October 1, 2012

DESIGNER/DRAFTER: KR-M

CHECKED BY: MDD

SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

ENGINEER: BAKER ENGINEERING

APPROVED BY:

DATE: 04/13/2011

PROJECT TITLE:

SHORE LINE EAST RAILROAD STATIONS

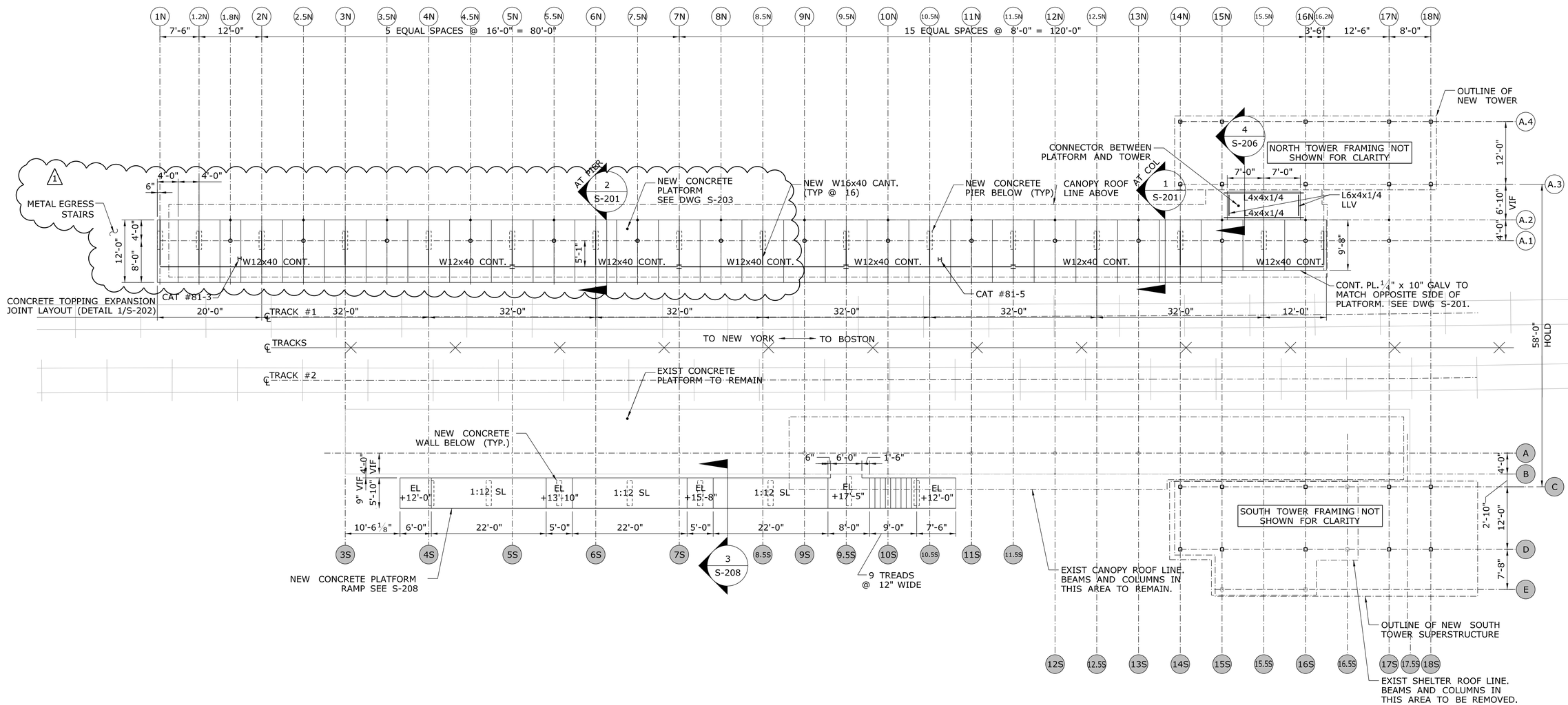
TOWN: **BRANFORD**

DRAWING TITLE: **OVERALL FOUNDATION PLAN**

PROJECT NO. **310-0056**

DRAWING NO. **S-101**

SHEET NO. **01.03.095.A2**



PLATFORM FRAMING NOTES:

1. REFER TO GENERAL NOTES, KEYS & ABBREVIATIONS AND SPECIFICATIONS FOR ADDITIONAL INFO.
2. CONTRACTOR TO COORDINATE WITH ARCH DWGS TO LOCATE ITEMS ATTACHED TO THE TOP OF THE PLATFORM SLAB (IE., SIGNAGE, LIGHTOLES BENCH SEATING). LOCATE ITEMS AND VERIFY WITH STRUCTURAL ENGINEER OF RECORD PRIOR ANY DRILLING INTO SLAB FOR ATTACHMENT. DO NOT CUT ANY IN PLACE BARS.
3. T/ RAMP ELEVATIONS ARE BASED ON NGVD 1929, UNO. REFER TO 3/S-201 FOR MORE INFO.
4. COLUMN LINES A.1 AND A.2 ARE NOT STRAIGHT LINES; THEY ARE ESTABLISHED USING THE HORIZONTAL OFFSET DIMENSIONS FROM THE TRACK #1 CENTERLINE AS INDICATED IN DWG S-200.

PLATFORM FRAMING PLAN

SCALE: 1"=10'-0"

ADDENDUM NO. 2

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	10/17/12	EXTENDED PLATFORM CANOPY.	01.03.98.A2

Filename: FD_MSH_STR_0014_0056_S-104_A2.dgn

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.

Date Plotted: October, 2012

DESIGNER/DRAFTER: KR-M
CHECKED BY: MDD
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

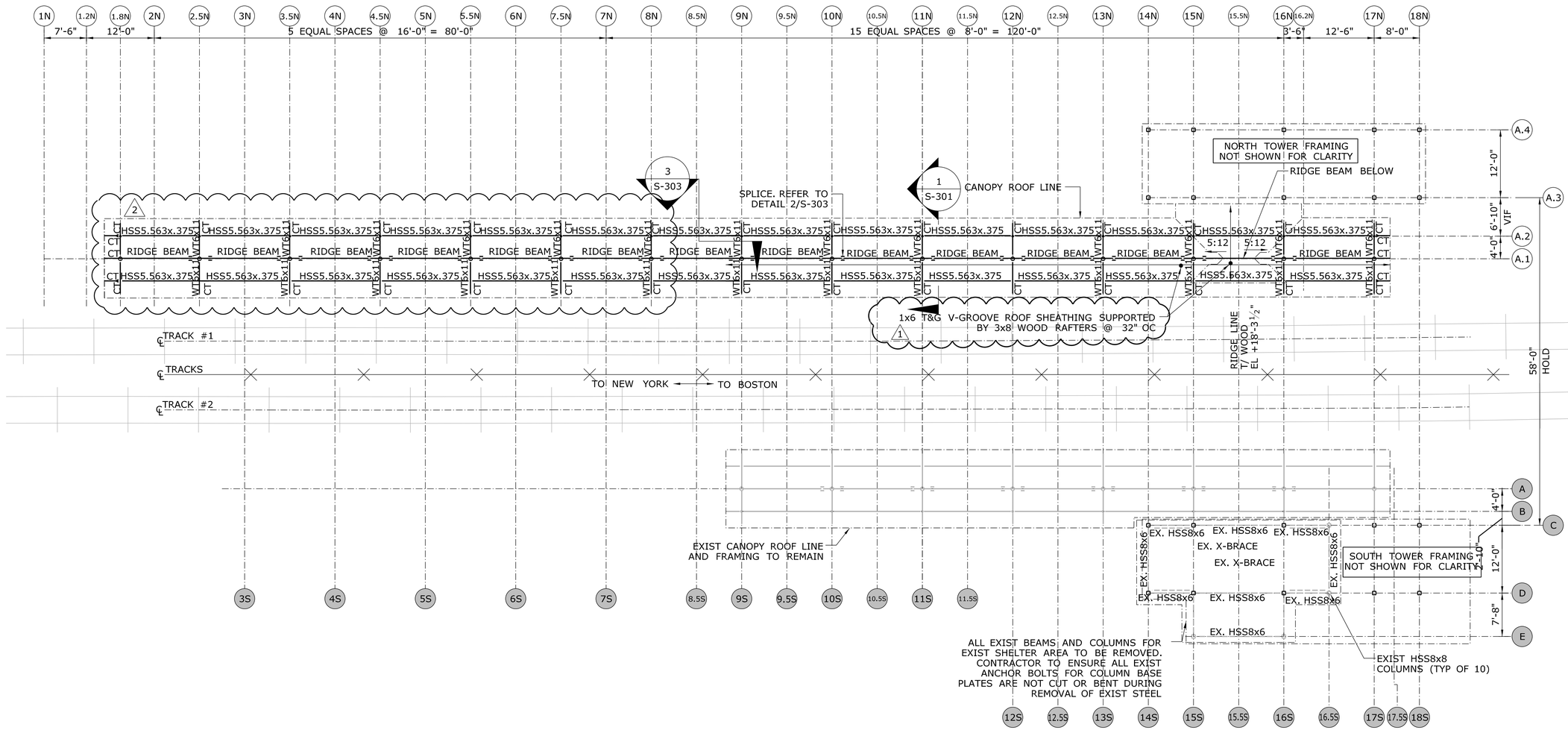
ENGINEER: BAKER ENGINEERING
APPROVED BY:
DATE: 04/13/2011

PROJECT TITLE: SHORE LINE EAST RAILROAD STATIONS

TOWN: BRANFORD

DRAWING TITLE: PLATFORM AND RAMP FRAMING PLAN

PROJECT NO. 310-0056
DRAWING NO. S-104
SHEET NO. 01.03.098.A2



CANOPY FRAMING PLAN

SCALE: 1"=10'-0"

PLATFORM FRAMING PLAN NOTES:

1. REFER TO GENERAL NOTES, KEYS & ABBREVATIONS AND SPECIFICATIONS FOR ADDITIONAL INFO.
2. COLUMN LINES A.1 AND A.1 ARE NOT STRAIGHT LINES; THEY ARE ESTABLISHED USING THE HORIZONTAL OFFSET DIMENSIONS FROM THE TRACK #1 CENTERLINE AS INDICATED IN DWG S-200.

ADDENDUM NO. 2

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
2	09/28/12	EXTENDED PLATFORM CANOPY	01.03.099.A2
1	08/31/12	CHANGED PLYWOOD TO ROOF SHEATHING	01.03.099.A1

Filename: FD_MSH_STR_0014_0056_S-105_A1.dgn

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.

Date Plotted: October, 2012

DESIGNER/DRAFTER: KR-M
CHECKED BY: DB
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

ENGINEER: BAKER ENGINEERING
APPROVED BY:
DATE: 04/13/2011

PROJECT TITLE:
SHORE LINE EAST RAILROAD STATIONS

TOWN: BRANFORD

DRAWING TITLE: CANOPY FRAMING PLAN

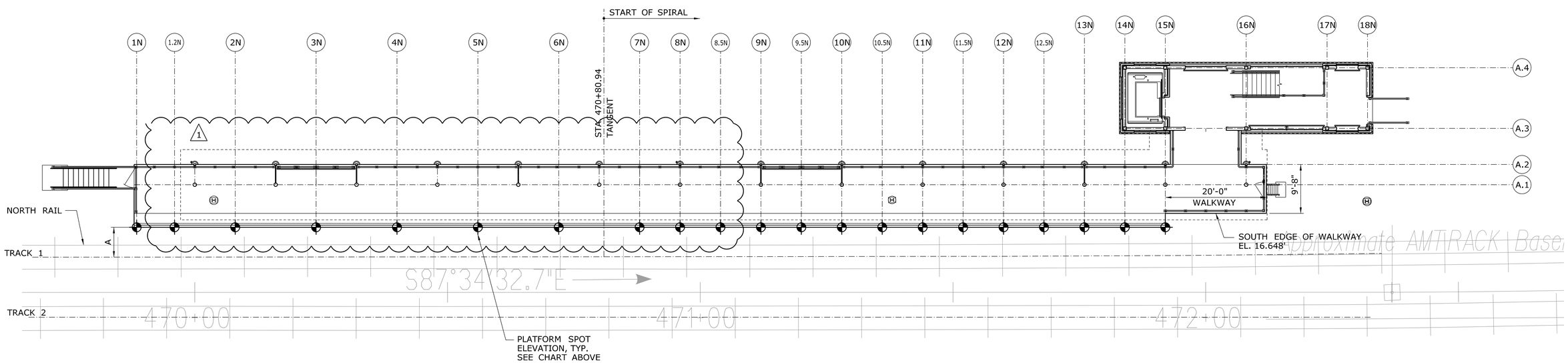
PROJECT NO. 310-0056
DRAWING NO. S-105
SHEET NO. 01.03.099.A2

PLATFORM VERTICAL & HORIZONTAL LOCATIONS

COLUMN LINE	STATION	OFFSET DIMENSION "A"	NORTH RAIL ELEVATION	PLATFORM ELEVATION
1N	469+88.50	5.5833'	13.910'	17.910'
1.2N	469+96.00	5.5833'	13.866'	17.866'
2N	470+08.00	5.5833'	13.795'	17.795'
3N	470+24.00	5.5833'	13.700'	17.700'
4N	470+40.00	5.5833'	13.606'	17.606'
5N	470+56.00	5.5833'	13.514'	17.514'
6N	470+72.00	5.5833'	13.422'	17.422'
TANGENT POINT	470+80.94	5.5833'	———	———
7N	470+88.00	5.5962'	13.329'	17.325'
8N	470+96.00	5.6109'	13.283'	17.274'
8.5N	471+04.00	5.6256'	13.237'	17.222'
9N	471+12.00	5.6403'	13.192'	17.172'
9.5N	471+20.00	5.6550'	13.147'	17.122'
10N	471+28.00	5.6697'	13.101'	17.071'
10.5N	471+36.00	5.6844'	13.056'	17.020'
11N	471+44.00	5.6991'	13.011'	16.970'
11.5N	471+52.00	5.7138'	12.968'	16.922'
12N	471+60.00	5.7285'	12.925'	16.873'
12.5N	471+68.00	5.7432'	12.882'	16.825'
13N	471+76.00	5.7579'	12.839'	16.777'
14N	471+84.00	5.7726'	12.797'	16.729'
15N	471+92.00	5.7873'	12.754'	16.672'

NOTES:

1. PLATFORM VERTICAL AND HORIZONTAL OFFSETS WERE ESTABLISHED USING TRACK 1 CONTROL POINTS AND AS-BUILT DATA BASED ON SURFACING, PROVIDED BY MR. JEFF FISCHER (AMTRAK) ON 11 APRIL 2011. TRACK SUPERELEVATIONS WERE MEASURED USING CTDOT TOP OF RAIL DATA PROVIDED IN THE SURVEY. MAX SUPERELEVATION IS 0.96" (BELOW MAX. PERMITTED BY AMTRAK REQUIREMENTS).
2. THE RESULTING PLATFORM GEOMETRY CONFORMS TO AMTRAK STANDARD TRACK PLAN "MINIMUM ROADWAY CLEARANCES". SINCE THE PLATFORM SHALL BE CONSTRUCTED WITHIN BOTH TANGENT TRACK AND WITHIN A TRACK SPIRAL (MAX. 0.955 DEGREES), THE PLATFORM OFFSETS ARE DYNAMIC.
3. ELEVATION DATA SHOWN ON THIS PLAN REFERS TO THE PLATFORM ELEVATIONS AT THE LEADING EDGE OF THE RUB RAIL. THE CONTRACTOR SHALL TAKE PLATFORM SLOPE INTO ACCOUNT BEFORE ESTABLISHING FOUNDATION WALL AND COLUMN POCKET ELEVATIONS.
4. HORIZONTAL OFFSET DATA WAS DERIVED USING METHODS PRESCRIBED IN THE AMTRAK STANDARD TRACK PLAN "MINIMUM ROADWAY CLEARANCES" AND TAKE BOTH CURVE DATA AND SUPERELEVATION INTO ACCOUNT. THE CONTRACTOR SHALL UTILIZE THE HORIZONTAL OFFSETS ON THIS PLAN BY TAKING HORIZONTAL DIMENSIONS FROM A THEORETICAL CENTERLINE BETWEEN THE RAILS ON TRACK 1 TO THE LEADING EDGE OF THE WOOD RUB RAIL. THE CONTRACTOR SHALL TAKE INTO ACCOUNT THE THICKNESS OF THE RUB RAIL BEFORE ESTABLISHING PLATFORM AND FOUNDATION WALL OFFSETS.
5. THE TOP OF THE PLATFORM FOUNDATION WALL AND PILE CAP SHALL BE SIMILARLY SLOPED TO MAINTAIN TOP OF PLATFORM ELEVATION DATA ESTABLISHED IN THIS DRAWING.
6. COLUMN LINES A.1 AND A.2 ARE CURVED TO FOLLOW THE HORIZONTAL PLATFORM OFFSET DIMENSIONS ESTABLISHED IN THIS DRAWING.
7. CANOPY COLUMNS SHALL BE SET TO FOLLOW THE PLATFORM SLOPE AND CURVE.
8. ELEVATIONS ARE BASED ON NGVD 1929, UNO.



N

NORTH PLATFORM PLAN

SCALE: 1"=10'-0"

ADDENDUM NO. 2

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	09/28/12	EXTENDED PLATFORM CANOPY	01.03.103.A2

Filename: FD_MSH_STR_0014_0056_S-200_A2.dgn

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Date Plotted: October, 2012

DESIGNER/DRAFTER: D. Tudryn / R. Wright

CHECKED BY: D. TUDRYN

SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

ENGINEER: BAKER ENGINEERING

APPROVED BY:

DATE: 04/13/2011

PROJECT TITLE:

SHORE LINE EAST RAILROAD STATIONS

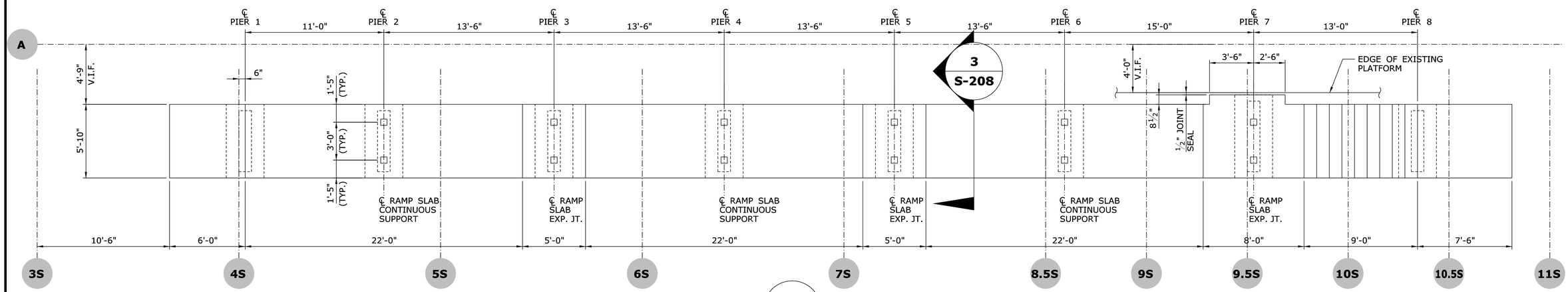
TOWN: **BRANFORD**

DRAWING TITLE: **PLATFORM OFFSETS**

PROJECT NO. **310-0056**

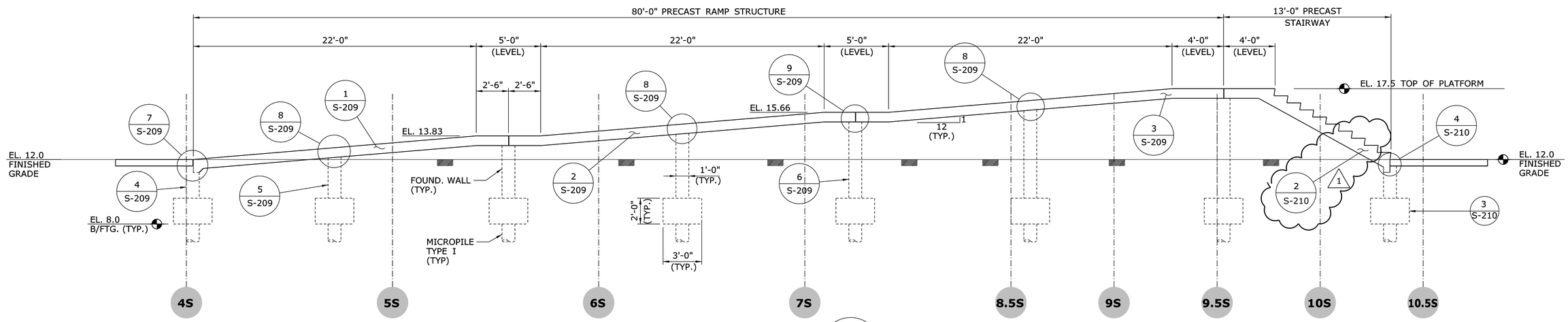
DRAWING NO. **S-200**

SHEET NO. **01.03.103.A2**



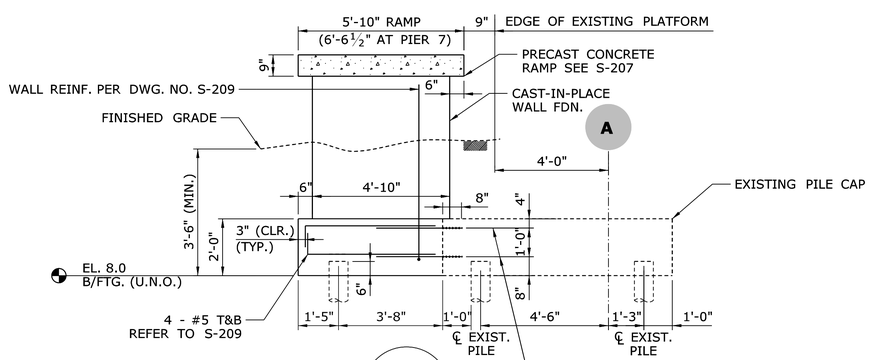
PLAN 1 / S-208

SCALE: ¼" = 1'-0"



ELEVATION 2 / S-208

SCALE: ¼" = 1'-0"



SECTION 3 / S-208

SCALE: ⅜" = 1'-0"

NOTES:

1. FOR HANDRAIL LOCATION AND DETAILS SEE ARCHITECTURAL DWGS.
2. ADJUST RAMP GRADE AS REQUIRED TO MATCH TOP OF PLATFORM AND TOP OF SIDEWALK ELEVATIONS. THE MAX. SLOPE SHALL BE 1:12.
3. SEE DWG S-209 FOR RAMP FOUNDATION REINF. DETAILS.
4. SEE DWG. S-210 FOR PRECAST STAIR DETAILS.
5. ELEVATIONS ON THIS SHEET ARE BASED ON NGVD 1929.

ADDENDUM NO. 2

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	09/28/12	REVISED STAIR REFERENCE	01.03.111.A2

Filename: FD_MSH_STR_0014_0056_S-103_A2.dgn

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Date Plotted: October 1, 2012

DESIGNER/DRAFTER:

CHECKED BY:

SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

ENGINEER: BAKER ENGINEERING

APPROVED BY:

DATE: 04/13/2011

PROJECT TITLE:

SHORE LINE EAST RAILROAD STATIONS

TOWN: BRANFORD

DRAWING TITLE: RAMP STRUCTURE PLAN AND ELEVATION

PROJECT NO. 310-0056

DRAWING NO. S-208

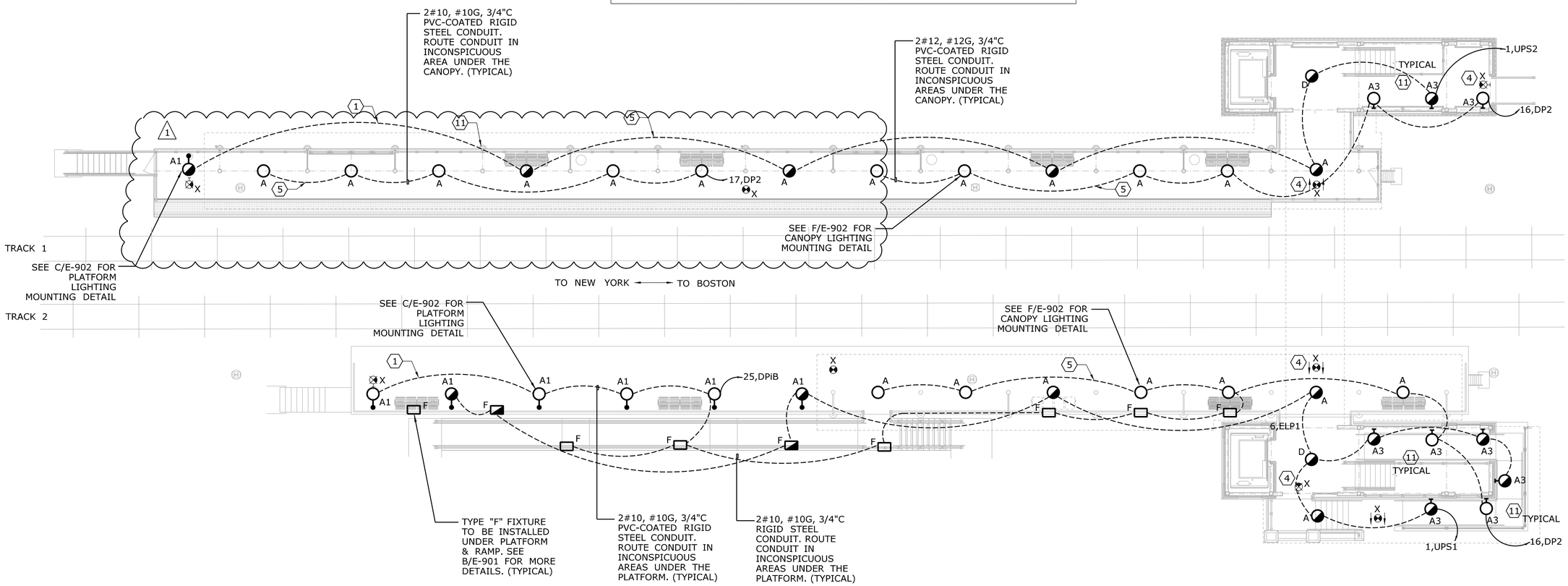
SHEET NO. 01.03.111.A2

GENERAL NOTES - LIGHTING

1. ALL CIRCUITS SHALL BE 2#12,#12G,3/4"C, TO NEW 20A-1P CIRCUIT BREAKER IN PANEL INDICATED UNLESS NOTED OTHERWISE.
2. BRANCH CIRCUITS EXCEEDING 150' IN LENGTH SHALL BE INCREASED TO 2#10,#10G,3/4"C UNLESS NOTED OTHERWISE.
3. REFER TO DRAWING E-801 FOR LIGHTING FIXTURE SCHEDULE.
4. REFER TO DRAWING E-801 FOR DESCRIPTIONS OF SYMBOLS,ABBREVIATIONS AND NOTES.
5. COMBINE CIRCUITS IN CONDUITS TO LIMIT TOTAL NUMBER OF CONDUITS. DERATE WIRING PER NEC ADJUSTMENT FACTORS.
6. PULLBOXES,JUNCTION BOXES AND ENCLOSURES SHALL BE NEMA 4X(STAINLESS STEEL WITH CONTINUOUS NEOPRENE GASKET AND STAINLESS STEEL HARDWARE).
7. BRANCH CIRCUIT WIRING IS SHOWN DIAGRAMMATIC. ROUTE CONDUIT IN INCONSPICIOUS LOCATIONS IN NEAT ORDERLY MANNER.
8. ALL EXPOSED AND UNDERGROUND CONDUITS SHALL BE PVC COATED RIGID STEEL UNLESS NOTED OTHERWISE.
9. FOR POLE-MOUNTED SITE LIGHTING FIXTURES, WIRE 2#12,#12G FROM J-BOX IN POLE BASE TO FIXTURE.

KEY NOTES

1. CONDUIT SHALL RUN ON UNDERSIDE OF THE PLATFORM SLAB.
2. CONDUIT SHALL RUN BELOW GRADE FROM THE EDGE OF THE STATION TO ELP1.
3. FREE STANDING STAINLESS STEEL ENCLOSURES(NEMA 4X) WITH LOCKABLE COVER. REFER TO DRAWING E-901 FOR MOUNTING DETAILS.
4. CONNECT EXIT SIGN TO EXIT SIGN CIRCUIT IN PANEL "DP".
5. CONDUITS IN THE CANOPY AREA SHALL RUN IN UNDERSIDE OF CANOPY.
6. PROVIDE J-BOX, CONDUIT AND PULL-STRING FROM BLUE PHONE TO TELEPHONE BOX.
7. TELEPHONE BOX SUPPLIED BY OTHERS. COORDINATE INSTALLATION WITH TELEPHONE COMPANY. PROVIDE CONDUIT AND PULLSTRING TO TELEPHONE COMPANY SOURCE.
8. REFER TO B/E-902 FOR MOUNTING DETAILS
9. REFER TO A/E-902 FOR MOUNTING DETAILS
10. REFER TO C/E-902 FOR MOUNTING DETAILS
11. WHERE CONDUITS CONNECT TO CANOPY LIGHTING, MOUNT PVC-COATED RGS TO SIDE OF COLUMNS ON LEAST CONSPICUOUS SIDE. ALL FASTENERS/HANGER SHALL MATCH THE CANOPY OR PVC-COATED RGS COLOR.



N

PLATFORM LIGHTING PLAN

SCALE: 1"=10'-0"

ADDENDUM NO. 2

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	09/28/12	EXTENDED PLATFORM CANOPY	01.03.135.A2

Filename: FD_MSH_ELE_0014_0056_EL-101_A2.dgn

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Date Plotted: October, 2012

DESIGNER/DRAFTER: RBMC

CHECKED BY: -

SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

ENGINEER: BAKER ENGINEERING

APPROVED BY:

DATE: 04/13/2011

PROJECT TITLE: SHORE LINE EAST RAILROAD STATIONS

TOWN: BRANFORD

DRAWING TITLE: PLATFORM LIGHTING PLAN

PROJECT NO. 310-0056

DRAWING NO. EL-101

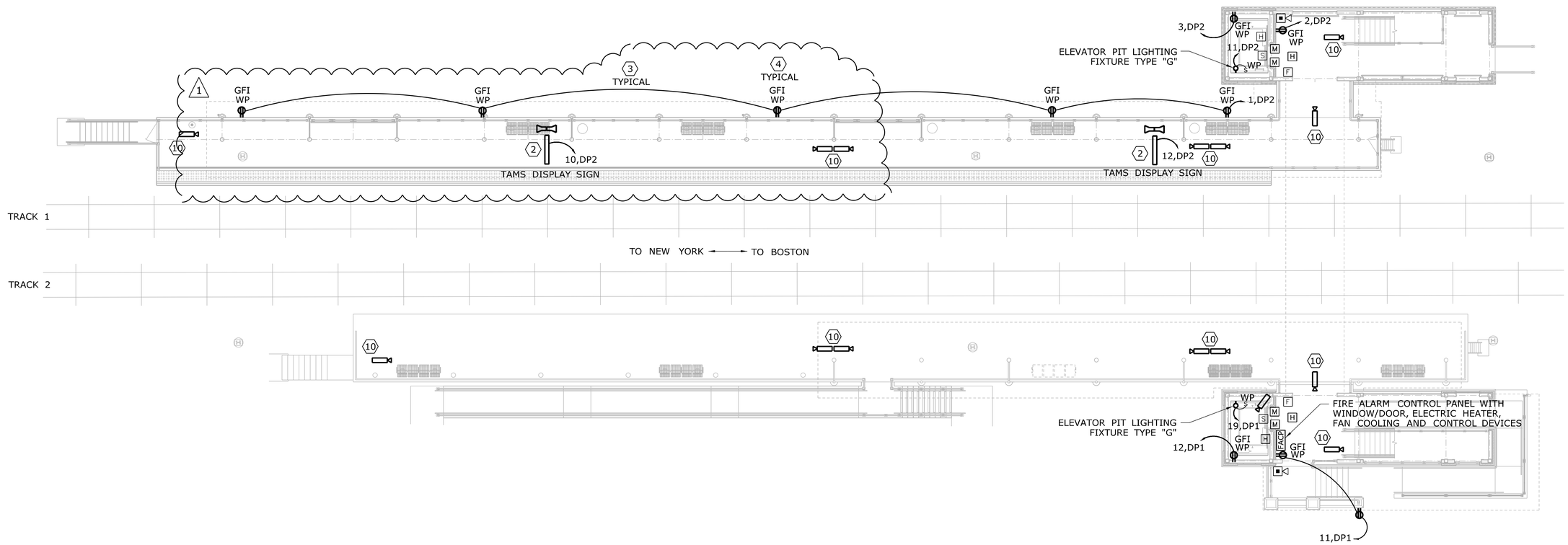
SHEET NO. 01.03.135.A2

GENERAL NOTES - POWER

1. ALL EXPOSED CONDUIT RUNS SHALL BE GALVANIZED RIGID STEEL PVC COATED CONDUIT WITH POLYURETHANE INTERNAL COATING. ALL CONDUIT RUNS LOCATED INSIDE ROOMS SHALL BE RGS CONDUIT. ALL CONDUIT EMBEDDED IN CONCRETE SHALL BE SCH 80 PVC CONDUIT. ALL CONDUIT DIRECT BURIED IN TRENCH SHALL BE SCH 80 PVC CONDUIT.
2. ALL BRANCH CIRCUITS EXCEEDING 150' IN LENGTH SHALL BE 2#10,#10G., 3/4"C. UNLESS NOTED OTHERWISE.
3. DEVICES SHALL BE LABELED WITH SOURCE PANEL AND CIRCUIT NUMBER(S).
4. REFER TO DRAWING E-801 FOR DESCRIPTIONS OF SYMBOLS, ABBREVIATIONS AND NOTES. COMBINE CIRCUITS IN CONDUITS TO LIMIT TOTAL NUMBER OF CONDUITS. DERATE WIRING PER SCHEDULES.
5. PULLBOXES,JUNCTION BOXES AND ENCLOSURES SHALL BE NEMA 4X(STAINLESS STEEL WITH CONTINUOUS NEOPRENE GASKET AND STAINLESS STEEL HARDWARE).
6. BRANCH CIRCUIT WIRING IS SHOWN DIAGRAMMATIC. ROUTE CONDUIT IN INCONSPICIOUS LOCATIONS IN NEAT ORDERLY MANNER.

KEY NOTES

1. TAMS DISPLAY SIGN SHALL BE POLE MOUNTED. REFER TO WIRING DIAGRAM ON E-704.
2. TAMS DISPLAY SIGN SHALL BE MOUNTED UNDER THE CANOPY. REFER TO WIRING DIAGRAM ON E-704.
3. PROVIDE 2#10,1#10, 3/4"C FOR RECEPTACLE CIRCUIT. CONDUIT SHALL RUN ON UNDERSIDE OF THE PLATFORM SLAB.
4. RECEPTACLE SHALL BE INSTALLED UNDER THE PLATFORM. PROVIDE WEATHERPROOF LOCKABLE ENCLOSURE "CODE KEEPER" BY RED DOT OR EQUIVALENT.
5. FREE STANDING STAINLESS STEEL ENCLOSURES(NEMA 4X) WITH LOCKABLE COVER. REFER TO DRAWING E-901 FOR DETAILS.
6. CONDUITS SHALL RUN BELOW GRADE FROM THE EDGE OF THE PLATFORM TO PANELBOARD.
7. TELECOMMUNICATIONS JUNCTION BOX (LOCATE IN ELEVATOR CLOSET). PROVIDE 3/4"C TO TELEPHONE SERVICE PANEL.
8. PROVIDE 30A/2P FUSED DISCONNECT SWITCH (LOCATE IN ELEVATOR CLOSET) WITH SOLID NEUTRAL TO SUPPLY TWO(2) 120V, 20A CIRCUITS TO ELEVATOR CAR. ONE CIRCUIT IS FOR ELEVATOR CAR LIGHTING, RECEPTACLE AND VENTILATION. ONE CIRCUIT IS FOR AIR CONDITIONING AND HEATING WHEN NECESSARY. PROVIDE 2#12,1#12G, 3/4"C FOR EACH CIRCUIT.
9. 208V,3 POLE,FUSIBLE HEAVY DUTY DISCONNECT SWITCH WITH (3)60A DUAL ELEMENT FUSE (LOCATE IN ELEVATOR CLOSET)
10. PROVIDE J-BOX, PVC-COATED RIGID METAL 3/4" DIA. CONDUIT FROM CAMERA LOCATION TO SECURITY SYSTEM HEAD-END. CONDUIT TO BE RIGIDLY MOUNTED TO CANOPY COLUMNS AND UNDERSIDE OF PLAFORMS.



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PLATFORM POWER PLAN

SCALE: 1"=10'-0"

ADDENDUM NO. 2

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	09/28/12	EXTENDED PLATFORM CANOPY	01.03.137.A2

Filename: FD_MSH_ELE_0014_0056_EP-101_A2.dgn

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.

Date Plotted: October, 2012

DESIGNER/DRAFTER: RBMC

CHECKED BY: -

SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

ENGINEER: BAKER ENGINEERING

APPROVED BY:

DATE: 04/13/2011

PROJECT TITLE:

SHORE LINE EAST RAILROAD STATIONS

TOWN: **BRANFORD**

DRAWING TITLE: **PLATFORM POWER PLAN**

PROJECT NO. **310-0056**

DRAWING NO. **EP-101**

SHEET NO. **01.03.137.A2**