

MBTA WIFI PROJECT BOSTHH008 ANDOVER 1

SITE TYPE
RAWLAND

STRUCTURE HEIGHT: **65'-0" AGL**
 STRUCTURE TYPE: **CONCRETE MONOPOLE**
 ANTENNA QTY: **4 WAYSIDE, 2 MW ANTENNAS**
 ANTENNA HEIGHT (CL): **SEE SHEET C2.1**
 EQUIPMENT MOUNTING: **POLE MOUNTED**

SITE INFORMATION

PROPERTY OWNER: MASSACHUSETTS BAY TRANSPORTATION AUTHORITY (MBTA)
 10 PARK PLAZA, SUITE 3910
 BOSTON, MA 02116

SITE ADDRESS (APPROXIMATE): 49 HAVERHILL ST
 ANDOVER, MA 01810

NETWORK PROVIDER: INMOTION
 655 W GRAND AVE
 ELMHURST, IL 60126

PROJECT CONTACT: REZA KAZEMINIA
 (713) 294-9901

COUNTY: ESSEX

BUILDING CODE: MBTA RAILROAD OPERATIONS DIRECTORATE

LATITUDE: 42°40'23.85"N (42.673292°N) (NAD 83)
 LONGITUDE: 071°08'37.82"W (071.143840°W) (NAD 83)
 GROUND ELEVATION: 50 FEET (NGVD 29)

DRAWING INDEX

TOTAL PAGES: 3

NO.	SHEET NO.	SHEET TITLE	REVISIONS
1	T1.1	TITLE SHEET	
2	C1.1	SITE PLAN	
3	C2.1	ELEVATION	

APPROVALS

	PRINT NAME	SIGNATURE	DATE
MBTA REAL ESTATE			
MBTA CONSTRUCTION:			
RAIL ROAD OPERATIONS:			
INMOTION RF:			
INMOTION DEVELOPMENT:			

GENERAL NOTES

NOTES TO BE DOWNLOADED AT [HTTP://FORGE-INC.COM/FTP/CONSTRUCTION_NOTES.PDF](http://FORGE-INC.COM/FTP/CONSTRUCTION_NOTES.PDF)

IF CONTRACTOR CANNOT FOR ANY REASON DOWNLOAD THESE NOTES THEY ARE TO NOTIFY FORGE SERVICES, INC. AT INFO_FORGE@FORGE-INC.COM

PROJECT TEAM

forge

FORGE SERVICES, INC.
 15660 MIDWEST RD. STE. 140
 OAKBROOK TERRACE, IL 60181
 Tel. (888) 985-8267
 Fax. (888) 985-8267
 WWW.FORGE-INC.COM

inMOTION

INMOTION WIRELESS
 655 WEST GRAND AVENUE
 ELMHURST, IL 60126
 Tel. (630) 474-6699



Know what's below.
Call before you dig.

MASSACHUSETTS ONE-CALL SYSTEM
CALL BEFORE YOU DIG

THIS NOTICE MUST BE AT LEAST 72 HOURS /THREE WORKING DAYS PRIOR TO THE START OF EXCAVATION



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DRAFT

DATE SIGNED: _____

BOSTHH008
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49 HAVERHILL ST
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RAWLAND

FORGE PROJECT NO: 6831

DRAWN BY: TL

CHECKED BY: TD

REV	DATE	DESCRIPTION
A	09/08/2015	PRELIM. MBTA APPROVAL

CONSTRUCT ONLY FROM DRAWINGS
MARKED "ISSUED FOR CONSTRUCTION"

TITLE SHEET

T1.1

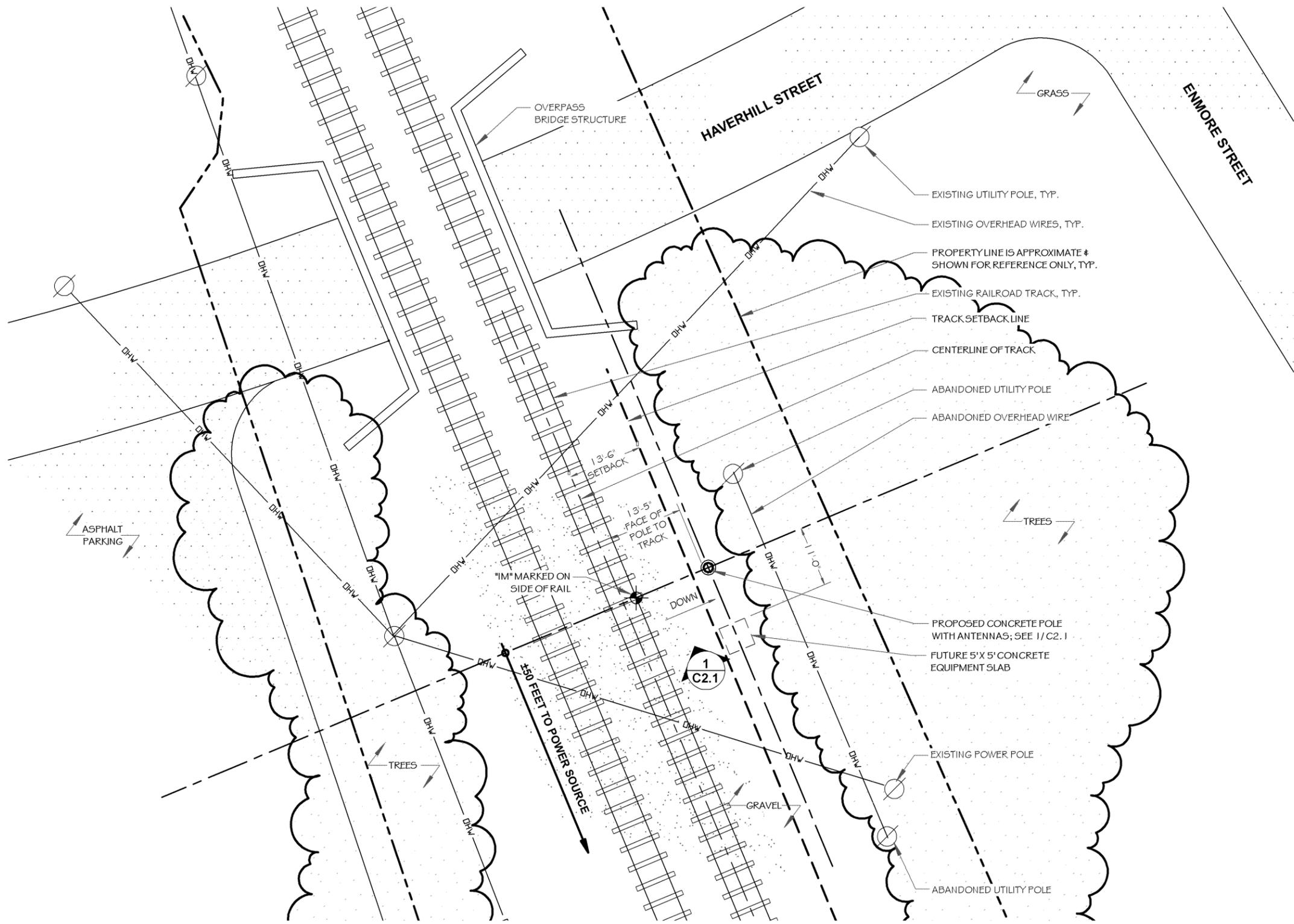
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THIS DRAWING IS SCALED FOR 11x17 PAPER (U.S. GOVT. "TABLOID")

LEGEND

- ⊙ MANHOLE/VALVE VAULT
- ⊕ CATCH BASIN
- ⊓ CURB INLET
- ⊕ VALVE (INDIVIDUAL SERVICE)
- ⊕ FIRE HYDRANT
- ⊕ STREET LIGHT/LIGHT POST
- ⊕ UTILITY/POWER POLE
- ⊕ GUY WIRE/ANCHOR
- ⊕ TELEPHONE PEDESTAL
- ⊕ ELECTRIC METER
- ⊕ GAS METER
- ⊕ TRAFFIC SIGNAL
- ⊕ TRAFFIC SIGNAL BOX
- ⊕ SIGN
- ⊕ MAIL BOX
- ⊕ HANDHOLE
- - - DRAINPIPE
- ▽ FES (AT END OF PIPE)
- - - CHAIN LINK FENCE
- - - WOOD FENCE
- ▬ DEPRESSED CURB
- ▬ CONCRETE CURB & GUTTER
- SS SANITARY SEWER
- STS STORM SEWER
- W WATER MAIN
- OE OVERHEAD ELECTRIC
- UE UNDERGROUND ELECTRIC
- OT OVERHEAD TELEPHONE
- UT UNDERGROUND TELEPHONE
- G GAS LINE
- C CABLE LINE
- ⊕ BUSH/SHRUB
- ⊕ TREE DECIDUOUS
- ⊕ TREE NON-DECIDUOUS
- DRAINAGE ARROW
- 379 CONTOUR LINE
- 579.45 SPOT ELEVATION
- T/F TOP OF FOUNDATION
- T/C TOP OF CONCRETE/CAISSON
- FF FINISHED FLOOR
- A.G.L. ABOVE GROUND LEVEL
- BOUNDARY LINE
- CONCRETE
- ASPHALT
- GRAVEL
- BRICK
- NEW BUILDING/EQUIPMENT
- EXISTING BUILDING
- LEASE SITE
- ACCESS EASEMENT

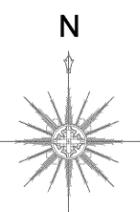
1 SITE PLAN
SCALE: 1" = 20'-0"



NOTES:

- SITE DRAWINGS HAVE BEEN PREPARED WITHOUT A SURVEY. R.O.W. DATA AND DIMENSIONS ARE PROVIDED BY THE MBTA AND DATA GATHERED FROM FIELD MEASUREMENTS. PROPERTY LINES AND EXISTING STRUCTURES ARE APPROXIMATE.
- EXISTING GRADES TO BE RESTORED UNLESS OTHERWISE NOTED
- ALL AREA DISTURBED BY CONSTRUCTION SHALL BE RETURNED TO ITS ORIGINAL CONDITION UNLESS OTHERWISE NOTED
- ELECTRIC UTILITY FINAL PATH SUBJECT TO SITE WALK WITH UTILITY COMPANY AFTER SITE LOCATION IS APPROVED
- FIBER ROUTE TO BE PROVIDED IN SEPARATE SUBMITTAL T.B.D.

- LEGEND**
- ⊕ IM BENCHMARK
 - - - US PARCEL LINE
 - MBTA RIGHT OF WAY LINE
 - CLEARANCE LINE
 - OHW OVERHEAD ELECTRIC (LAND TRACKER DATA)
 - F PROPOSED ELECTRIC



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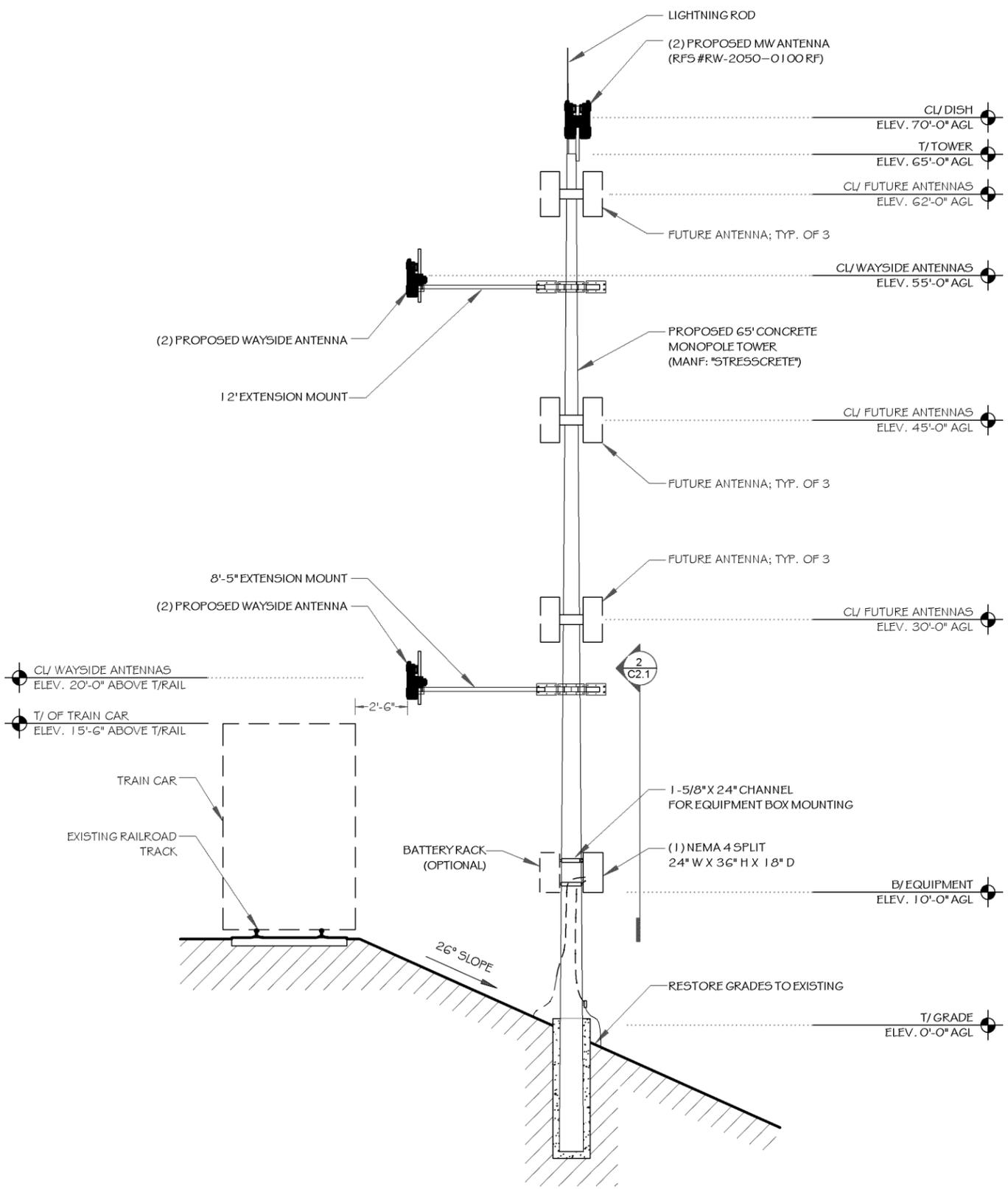
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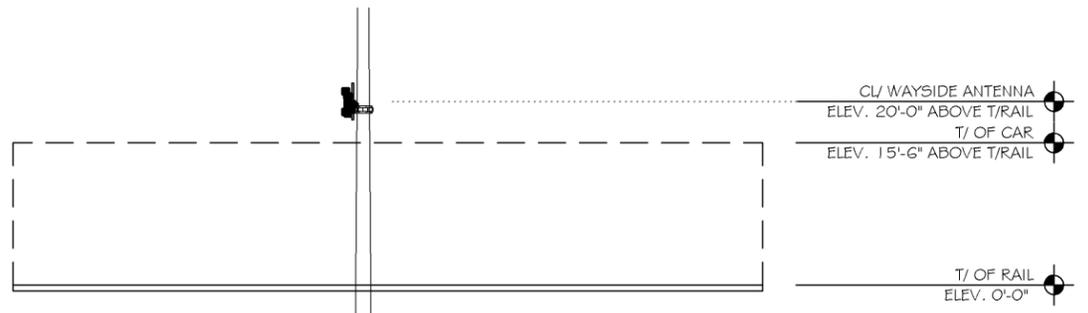
SITE PLAN

C1.1

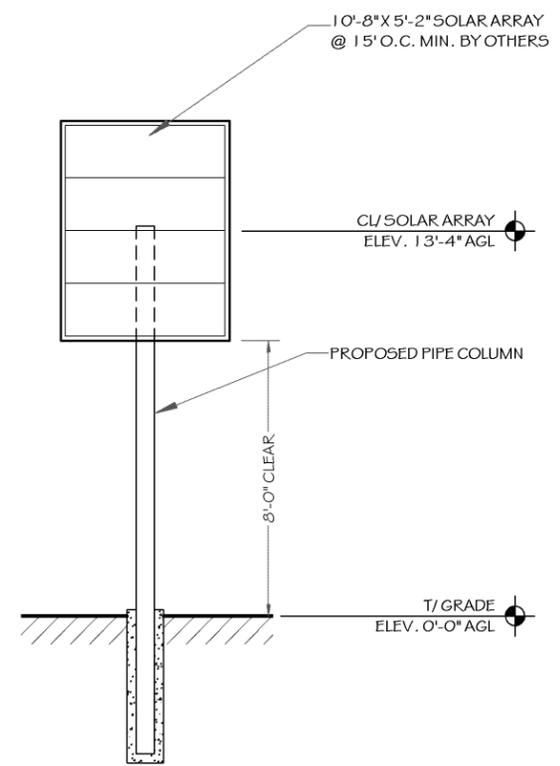
1 ELEVATION
SCALE: NTS



2 ELEVATION
SCALE: NTS



3 STANDARD SOLAR ELEVATION (OPTION)
SCALE: NTS



- NOTES:
- ALL BANDING TO BE 3/4" SS BANDING W/ SINGLE BOLT FLARED LEG BRACKET (MANF. "BAND-IT" OR EQUAL); CONTRACTOR TO USE MANF. RECOMMENDED PARTS FOR DIAMETER OF POLE AND APPLICATION
 - ALL MOUNTING STEEL INCLUDING BOLTS, NUTS, WASHERS, BANDING, PIPES, CLAMPS, CHANNEL, ETC. TO BE HOT-DIPPED GALVANIZED OR STAINLESS STEEL
 - AN ANALYSIS OF THE TOWER HAS NOT BEEN PERFORMED. AN ANALYSIS SHALL BE PROVIDED AND ANTENNA ELEVATIONS WILL SUPERCEDE THIS ELEVATION.
 - ELEVATION DEPICTS TOWER HEIGHT AND IS NOT TO BE USED FOR CONSTRUCTION. SEE TOWER DRAWINGS PREPARED BY OTHERS.
 - POWER TO BE VERIFIED WITH LOCAL POWER COMPANY. THE SOLAR PANEL OPTION MAY BE USED IF EXISTING POWER IS NOT AVAILABLE.
 - THE STRUCTURAL ENGINEERING OF THE TOWER AND ITS FOUNDATION IS UNDER A SEPARATE CONTRACT. REQUIREMENTS SET FORTH BY THIS ENGINEER MAY OR MAY NOT BE KNOWN OR REFLECTED IN THESE DRAWINGS.
 - CONTRACTOR SHALL MODIFY TOWER ONLY IN ACCORDANCE WITH TOWER STRUCTURAL DESIGN, DETAILS, AND REPORT UNDER SEPARATE CONTRACT AND UNDER SEPARATE COVER.
 - ANY CHANGE OR OMISSION MUST BE APPROVED IN WRITING BY TOWER STRUCTURAL ENGINEER; ALL REPRESENTATIONS OF TOWER AND TOWER FOUNDATION ARE FOR REPRESENTATIONAL PURPOSES ONLY

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