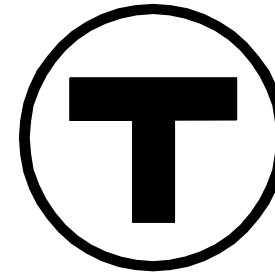


FILE NAME: \\BOSFIL11\NAI_Proj\MBTA\2011\EX251916\700 CADD\703-Track\ G-01 Boston College_Cover_Sheet.dwg
PLOT DATE: Aug 08, 2012 - 3:29pm



LOCUS MAP FOR BOSTON COLLEGE STATION



MASSACHUSETTS
BAY
TRANSPORTATION
AUTHORITY

**MBTA BOSTON COLLEGE STATION
BOSTON, MASSACHUSETTS
MBTA CONTRACT NO. XXXXXX**

15% DESIGN SUBMITTAL

August 8, 2012

DRAFT

JACOBS™

343 CONGRESS STREET
BOSTON, MA 02110
(617) 242-9222

IN ASSOCIATION WITH:



90 Canal Street, Suite 301
Boston, Massachusetts 02114
Tel: (617) 248-0300
Fax: (617) 248-0212
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FILE NAME: \\BOSFIL11\NAL_Proj\MBTA\2011\EZ251916\700 CAD\703-Track\0-03 Boston College_Abbreviations & Legend.dwg
 PLOT DATE: Aug 08, 2012 - 2:24pm

LEGEND

ABBREVIATIONS

EXISTING	PROPOSED	EXISTING	PROPOSED
CB	CB	FA	FA
CATCH BASIN	CATCH BASIN	FIRE ALARM	FIRE ALARM
CBCI	CBCI	WB	WB
CATCH BASIN w/CURB INLET	CATCH BASIN w/CURB INLET	WASTE BASKET	WASTE BASKET
DI	DI		
DROP INLET	DROP INLET	TREE (w/ DIA)	TREE (w/ DIA)
OHW	OHW	OHW	OHW
MANHOLE DRAINAGE	MANHOLE DRAINAGE	OVERHEAD WIRES	OVERHEAD WIRES
E	E	UGASLN-E	UGASLN-E
MANHOLE ELECTRIC	MANHOLE ELECTRIC	UNDERGROUND GAS LINE	UNDERGROUND GAS LINE
MH?	MH?	UWLN-E	UWLN-E
MANHOLE UNKNOWN	MANHOLE UNKNOWN	UNDERGROUND WATER LINE	UNDERGROUND WATER LINE
S	S	HCR	HCR
MANHOLE SEWER	MANHOLE SEWER	HANDICAPPED RAMP	HANDICAPPED RAMP
T	T	CSW	CSW
MANHOLE TELEPHONE	MANHOLE TELEPHONE	CONCRETE SIDEWALK	CONCRETE SIDEWALK
C	C	BCSW	BCSW
MANHOLE CABLE	MANHOLE CABLE	BIT. CONC. SIDEWALK	BIT. CONC. SIDEWALK
HH	HH	BCC	BCC
HANDHOLE	HANDHOLE	BIT. CONC. CURB	BIT. CONC. CURB
MHD	MHD	BCB	BCB
MASS HIGHWAY DEPT. HANDHOLE	MASS HIGHWAY DEPT. HANDHOLE	BIT CONC. BERM	BIT CONC. BERM
DPW	DPW	CCB	CCB
DEPT. OF PUBLIC WORKS HANDHOLE	DEPT. OF PUBLIC WORKS HANDHOLE	CAPE COD BERM	CAPE COD BERM
GG	GG	GC	GC
GAS GATE	GAS GATE	GRANITE CURB	GRANITE CURB
WG	WG	EOP	EOP
WATER GATE	WATER GATE	EDGE OF PAVEMENT	EDGE OF PAVEMENT
G?	G?	CS	CS
GATE UNKNOWN	GATE UNKNOWN	CROSSING SIGNAL	CROSSING SIGNAL
star	star	CSG	CSG
LIGHT POLE	LIGHT POLE	CROSSING SIGNAL w/ GATE	CROSSING SIGNAL w/ GATE
UP	UP	CS-PG	CS-PG
UTILITY POLE	UTILITY POLE	CROSSING SIGNAL w/ PED. GATE	CROSSING SIGNAL w/ PED. GATE
UPL	UPL	CG	CG
UTILITY POLE w/ LIGHT POLE	UTILITY POLE w/ LIGHT POLE	CROSSING GATE ONLY (NO SIGNAL)	CROSSING GATE ONLY (NO SIGNAL)
SGN	SGN	STK	STK
SIGN	SIGN	STAKE (PROPERTY LINE MARKER)	STAKE (PROPERTY LINE MARKER)
Wetland Flag	Wetland Flag	BOL	BOL
WETLAND FLAG	WETLAND FLAG	BOLLARD	BOLLARD
Hydrant	Hydrant	X-ING	X-ING
HYDRANT	HYDRANT	RAILROAD CROSSING SIGN	RAILROAD CROSSING SIGN
Flag Pole	Flag Pole	CP	CP
FLAG POLE	FLAG POLE	CONCRETE PAD	CONCRETE PAD
Guy Wire	Guy Wire	SCB	SCB
GUY WIRE	GUY WIRE	SIGNAL CONTROL BOX	SIGNAL CONTROL BOX
Guy Pole	Guy Pole	ELB	ELB
GUY POLE	GUY POLE	ELECTRIC BOX	ELECTRIC BOX
SB	SB	MP	MP
STONE BOUND	STONE BOUND	MILEPOST	MILEPOST
SBDH	SBDH	Guard Rail	Guard Rail
STONE BOUND w/ DRILL HOLE	STONE BOUND w/ DRILL HOLE	GUARD RAIL	GUARD RAIL
DH	DH	Stone Wall	Stone Wall
DRILL HOLE	DRILL HOLE	STONE WALL	STONE WALL
GM	GM	Property Line	Property Line
GAS METER	GAS METER	PROPERTY LINE	PROPERTY LINE
Mailbox	Mailbox	Limit of Work	Limit of Work
MAILBOX	MAILBOX	LIMIT OF WORK	LIMIT OF WORK
TEL	TEL	Retaining Wall	Retaining Wall
TELEPHONE	TELEPHONE	RETAINING WALL	RETAINING WALL
TS	TS	Spot Grade	Spot Grade
TRAFFIC SIGNAL	TRAFFIC SIGNAL	SPOT GRADE (LOCATION OF ELEVATION)	SPOT GRADE (LOCATION OF ELEVATION)
Soil Boring	Soil Boring	MW	MW
SOIL BORING	SOIL BORING	MONITORING WELL	MONITORING WELL
Straw Bales/Silt Fence	Straw Bales/Silt Fence	E	E
STRAW BALES/SILT FENCE	STRAW BALES/SILT FENCE	ELECTRICAL LINE	ELECTRICAL LINE
OHW	OHW	COM	COM
OVERHEAD WIRES	OVERHEAD WIRES	COMMUNICATIONS LINE	COMMUNICATIONS LINE
D	D	G	G
DRAIN LINE	DRAIN LINE	GAS LINE	GAS LINE
W	W	Tree Line	Tree Line
WATER LINE	WATER LINE	TREE LINE	TREE LINE
S	S	20	20
SEWER LINE	SEWER LINE	CONTOUR	CONTOUR
Limit of Clearing & Grubbing	Limit of Clearing & Grubbing	Limit of Clearing & Grubbing	Limit of Clearing & Grubbing
LIMIT OF CLEARING & GRUBBING	LIMIT OF CLEARING & GRUBBING	LIMIT OF CLEARING & GRUBBING	LIMIT OF CLEARING & GRUBBING

ABUT	ABUTMENT
AHD	AHEAD
ARCH	ARCHITECTURAL
APPROX	APPROXIMATE
B	BASELINE
BOT	BOTTOM
BRG	BEARING
BIT	BITUMINOUS
BR	BRIDGE
BK	BACK
CB	CATCH BASIN
CL	CENTER LINE
CIH	CENTRAL INSTRUMENT HOUSE
CIP	CAST IRON PIP, CAST IN PLACE
CLF	CHAIN LINK FENCE
CL	CLASS
CL/CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CNR	CORNER
CO	CLEAN OUT
COL	COLUMN
COMM	COMMUNICATION
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
COORD	COORDINATE
CU FT	CUBIC FEET
CULV	CULVERT
CW	CROSSWALK
DEPT	DEPARTMENT
DH	DRILL HOLE
DIA	DIAMETER
DMH	DRAIN MANHOLE
DWGS	DRAWINGS
DYCL	DOUBLE YELLOW CENTER LINE
DO	DITTO
E	EAST
EB	EASTBOUND
EL/ELEV	ELEVATION
EQ	EQUAL
EQN	EQUATION
EST	ESTIMATED
EX/EXIST	EXISTING
EXP	EXPANSION
FIN	FINISH
FT	FOOT
GA	GAGE
GALV	GALVANIZED
GC	GRANITE CURB
GGR	GAS GATE GROUND
GRS	GALVANIZED RIGID STEEL
HEX	HEXAGONAL
HH	HAND HOLE
H.S.	HIGH STRENGTH
I	INTERSTATE
I.D.	INSIDE DIAMETER
IN	INCH
INV	INVERT
JT	JOINT
LF	LINEAR FEET
LH	LEFT HAND
L.O.W.	LIMIT OF WORK
LT	LEFT
MAX	MAXIMUM
MBCR	MASSACHUSETTS BAY COMMUTER RAIL
MIN./MIN	MINIMUM
M.O.W.	MAINTENANCE OF WAY
MP	MILE POST
M.U.T.C.D	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
MPH	MILES PER HOUR
NB	NORTH BOUND
NEC	NECESSARY
NIC	NOT IN CONTRACT
NIS	NOT IN SCOPE
NO.	NUMBER
NOM.	NOMINAL
NTS	NOT TO SCALE

OC	ON CENTER
OD	OUTSIDE DIAMETER
OFF	OFFSET
OH	OVERHEAD
OTM	OTHER TRACK MATERIALS
PE	POLYETHYLENE
PED	PEDESTRIAN
PERF	PERFORATED
PGL	PROPOSED GRADE LINE
PK/NL	PARKER-KALON COMPANY NAIL
PL	PLATE, PROPERTY LINE
PLAT	PLATFORM
PROP	PROPOSED
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
R&R	REMOVE & RELOCATE
R/W	RIGHT OF WAY
RCP	REINFORCED CONCRETE PIPE
REINF	REINFORCING
RELOC	RELOCATE
RET	RETAINING
RH	RIGHT HAND
R.O.W.	RIGHT OF WAY
RR SPK	RAILROAD SPIKE
RT	RIGHT
RT/RTE	ROUTE
RSC	RIGID STEEL CONDUIT
SB	SOUTHBOUND
SBC	STONE BOX CULVERT
SF	SQUARE FEET
SIM	SIMILAR
SL	STOP LINE
SMH	SEWER MANHOLE
SPA/SP	SPACES
SS	STAINLESS STEEL
ST	STREET
STA	STATION
STK/NL	STAKE NAIL
STR	STRINGER
STRUCT	STRUCTURAL
SQ	SQUARE
SW	SIDEWALK
SWLL	SINGLE WHITE LANE LINE
SWPPP	STORMWATER POLLUTION PREVENTION
PLAN	
SYEL	SINGLE YELLOW EDGE LINE
TC	TRACK CENTER
T/R	TOP OF RAIL
TBR	TO BE REMOVED
TYP	TYPICAL
TRK	TRACK
UG	UNDERGROUND
VERT	VERTICAL
W	WEST
W/	WITH
WB	WESTBOUND
WC	WHEELCHAIR
WET	WETLAND
WP	WORKING POINT
WWF	WELDED WIRE FABRIC
XING	CROSSING

15% SUBMITTAL
NOT FOR CONSTRUCTION

	MASSACHUSETTS BAY TRANSPORTATION AUTHORITY	
	BOSTON COLLEGE STATION DESIGN PROJECT CONTRACT NO. XXXXXXX	
BOSTON COLLEGE STATION ABBREVIATIONS AND LEGEND		
JACOBS		343 CONGRESS STREET BOSTON, MA 02210 OFFICE: 617-242-9222 FAX: 617-242-9824
MASSACHUSETTS BAY TRANSPORTATION AUTHORITY		APPROVED BY: _____
PROJECT MANAGER _____ Date _____		Project Manager: _____ Date: _____
ISSUE	DATE	DESCRIPTION
BY	CHKD.	APP.
Horiz.	NONE	DES. BY: PJC
Vert.	NONE	DR. BY: KMG
DATE:	8-08-2012	CHK. BY: XX
PLAN NO.	SHEET G-03	
ISSUE		

GENERAL NOTES:

1. THE CONTRACTOR SHALL SET BARRICADES, WARNING LIGHTS, AND OTHER PROTECTIVE DEVICES THAT ARE NECESSARY, IN THE JUDGMENT OF THE ENGINEER, FOR THE PROTECTION OF THE PUBLIC IN ACCORDANCE WITH M.U.T.C.D. LATEST EDITION.
2. THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND GRADES IN THE FIELD BEFORE COMMENCING WORK AND PROMPTLY NOTIFY THE ENGINEER OF ANY DISCREPANCIES. WHERE THE CLEAR INTENT OF THE NEW WORK IS TO MATCH EXISTING CONDITIONS, THE FIELD DATA SHALL GOVERN.
3. ALL ITEMS DESIGNATED AS "REMOVE" AND NOT RELOCATED AS PART OF THIS PROJECT, AND DETERMINED TO BE IN SALVAGEABLE CONDITION BY THE ENGINEER, SHALL BE DELIVERED TO MBTA RAILROAD OPERATIONS MATERIAL YARD IN CHARLESTOWN, MA, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. NO DELIVERY WILL BE GREATER THAN 60 MILES, ONE WAY. SUCH DELIVERY OF MATERIALS MUST BE COORDINATED WITH THE ENGINEER PRIOR TO DELIVERY.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LEASING OR OTHERWISE OBTAINING TEMPORARY RIGHTS TO LANDS NECESSARY FOR AREAS OF CONSTRUCTION STAGING AND/OR STORING CONSTRUCTION MATERIALS AND EQUIPMENT.
5. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE APPROPRIATE AGENCIES OF THE CITY OF FITCHBURG AND THE TOWN OF NEWTON, AND SHALL AVOID CONSTRUCTION RELATED IMPACTS TO THE ADJACENT AND ADJOINING AREAS.
6. CONTRACTOR WILL NOT BE ALLOWED TO WORK WITHIN THE "FOUL" AREA OF THE RAILROAD (15 FEET FROM CENTERLINE OF TRACK) WITHOUT FIRST OBTAINING ROADWAY WORKER PROTECTION (RWP) SAFETY TRAINING FROM THE MBTA, FOR ALL PERSONS PLANNING ON WORKING WITHIN THE MBTA RIGHT OF WAY. CONTRACTOR SHALL COORDINATE FLAGGING PROTECTION FROM THE OPERATING RAILROAD. CONTRACTOR SHALL ALSO COORDINATE AND COMPLY WITH MBTA RAILROAD OPERATIONS, WORK REQUIREMENTS, AND RESTRICTIONS.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF THIS CONTRACT WITH THE LOCAL UTILITY COMPANIES FOR RELOCATION OF THEIR FACILITIES AS REQUIRED FOR THE CONSTRUCTION.
8. ADDITIONAL NOTES ARE INDICATED ON THE PLANS AND DETAILS.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY STATE AND LOCAL PERMITS (INCLUDING INSPECTIONS AND SIGN-OFFS FROM APPLICABLE TOWN, CITY DEPARTMENTS) FOR THE CONSTRUCTION OF THE STATION.
10. THE LIMITS OF WORK ARE GENERALLY DEFINED BY THE RAILROAD RIGHT OF WAY AND THE LIMITS AS SHOWN ON THE PLANS. WHERE ENCROACHMENT ONTO ADJACENT PROPERTY IS NECESSARY OR REQUIRED FOR EXECUTION OF THE WORK, THE CONTRACTOR SHALL SEEK THE APPROPRIATE APPROVALS FROM THE LAND OWNERS AND NOTIFY THE ENGINEER PRIOR TO COMMENCEMENT OF ANY WORK.
11. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH ALL ACTIVITIES OF THE CITY OF BOSTON AND TOWN OF NEWTON.

UTILITY NOTES:





1. MAINTAIN AND PROTECT ALL EXISTING ELECTRIC, SIGNAL, COMMUNICATION, PHONE, SEWER, GAS, WATER, AND DRAINAGE SYSTEMS THROUGHOUT CONSTRUCTION. CONTRACTOR TO SUBMIT UTILITY RELOCATION, ABANDONMENT AND PHASING PLAN THAT IS COORDINATED AND APPROVED BY THE RESPECTIVE PUBLIC AND PRIVATE UTILITY JURISDICTIONS FOR ENGINEER'S APPROVAL.
2. EXISTING UTILITY LINES INDICATED OR NOTED ON THESE DRAWINGS ARE SHOWN AS OBTAINED FROM EXISTING INFORMATION AND ARE ONLY APPROXIMATE IN LOCATION. EXISTING UTILITIES OTHER THAN THOSE INDICATED ON THIS DRAWING MAY BE ON THE SITE. THE CONTRACTOR IS WARNED TO PROCEED WITH CAUTION WITH ALL WORK, ESPECIALLY EXCAVATION WORK. THE CONTRACTOR IS TO MAKE ALL POSSIBLE INVESTIGATIONS AS TO POSSIBLE UNMARKED UTILITY LINES. BEFORE DESIGNING, EXCAVATING, BLASTING, INSTALLING, BACKFILLING, GRADING, PAVEMENT RESTORATION, OR REPAIRING, ALL UTILITY COMPANIES, PUBLIC AND PRIVATE, MUST BE NOTIFIED, INCLUDING THOSE IN CONTROL OF UTILITIES NOT SHOWN ON THIS PLAN. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES OMITTED OR INACCURATELY SHOWN. CONTRACTOR SHALL NOTIFY DIG-SAFE AT LEAST 72 BUSINESS HOURS BEFORE ANY CONSTRUCTION BEGINS AT 1-888-344-7233, OR 811.

EROSION CONTROL/ENVIRONMENTAL NOTES:

1. REMOVAL AND DISPOSAL OF TREE LIMBS AND OR PRUNED TREE ROOT SYSTEMS WITHIN THE LIMITS OF WORK AS SHOWN ARE ANTICIPATED. ONLY IF SO REQUIRED, A STATE LICENSED SUBCONTRACTOR SHALL PERFORM THE WORK AS NEEDED TO ACCOMMODATE THE PLOWING AND TRENCHING VEHICLE'S LATERAL AND VERTICAL ACCESS AND WORKING CLEARANCE REQUIREMENTS.
2. SITE WORK WILL BE COMPLETED CONCURRENTLY WITH THE SITE PREPARATION AND TREE REMOVAL WORK. THE CONTRACTOR SHALL REPLACE-IN-KIND ANY EXISTING PAVEMENT, ADJACENT GREEN AREAS, FENCING, PAVEMENT MARKINGS AND ANY OTHER EXISTING FEATURES UNINTENTIONALLY IMPACTED BY THE CONSTRUCTION SITE CLEARING AT NO ADDITIONAL COST TO THE CONTRACTOR.
3. IF TIRE AND/OR HEAVY EQUIPMENT TRACK DAMAGE HAS OCCURRED BUT HAS NOT SIGNIFICANTLY DISTURBED OR DESTROYED EXISTING ROAD PAVEMENT SURFACES ALONG THE SITE ACCESS ROADWAYS, IN THE OPINION OF THE ENGINEER, ONLY THEN WILL NO IN-KIND PAVEMENT REPLACEMENT BE REQUIRED. SIMILARLY WITH ON-SITE ADJACENT GREEN AREAS ALONG THE PROPERTY BOUNDARY, IF NO DISTURBANCE OF SURFACE VEGETATION HAS OCCURRED, THEN NO RE-SEEDING WILL BE NECESSARY IN THESE INSTANCES. SHOULD SEEDING FOR THIS PURPOSE OTHERWISE BECOME NECESSARY, IT SHALL BE PROVIDED AT NO ADDITIONAL PAYMENT TO THE CONTRACTOR UNDER ALL OTHER CONDITIONS WHERE EXISTING SITE-PERIMETER GRASS SURFACES HAVE BEEN ACCIDENTALLY EXCAVATED AND OR DESTROYED. SEED MIXTURES TO BE APPLIED WILL VARY WITH THE TIME OF YEAR THAT SEED APPLICATION OCCURS TO MAXIMIZE GERMINATION AND PLANT PROPAGATION.
4. IN SOME LOCATIONS, STEEP GRASS SLOPES WILL BE DAMAGED BY TRENCH EXCAVATION EXPOSING BARE SOILS AND PROMOTING EROSION CONDITIONS. THESE LOCATIONS SHALL BE RE-GRADED, RE-SEEDED, AND IMPROVED WITH THE APPROPRIATE EROSION CONTROL MEASURES AS WARRANTED (E.G. MULCHING, MATTING, GEOTEXTILE/NETTING). THE SEED MIXTURE SHALL MEET MASSDOT MATERIALS REQUIREMENTS AND BE A MIXTURE OF LOCALLY INDIGENOUS GRASS SPECIES OR EROSION CONTROL MIX, APPROPRIATE FOR THESE SITE SPECIFIC CONDITIONS.
5. RESTORATION OF SURFACE GROUND FOLLOWING ANY TRENCH EXCAVATIONS FOR UTILITY OR OTHER REASONS SHALL INCLUDE THE PLACEMENT OF CLEAN FILL COMPACTED TO MINIMIZE FUTURE ADVERSE SETTLEMENT. THE SURFACE WILL BE RE-GRADED TO CONFORM TO SURROUNDING CONTOURS AND RESTORED WITH THE APPROPRIATE SURFACE TREATMENT MATERIAL AS REQUIRED. IN AREAS WHERE WETLANDS ARE IN CLOSE PROXIMITY OF CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL PLACE THE NECESSARY SILT FENCING (GEOTEXTILE SEDIMENT FILTERS) AND STRAW BALES TO CONTROL EROSION AND MINIMIZE THE OCCURRENCES OF TRANSPORTED SEDIMENT TO THESE WETLAND AREAS.
6. IF ANY UNKNOWN HAZARDOUS MATERIALS ARE UNEXPECTEDLY ENCOUNTERED IN THE SOILS DURING EXCAVATION OPERATIONS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND SUSPEND EXCAVATION OPERATIONS UNTIL THE SITUATION CAN BE PROPERLY EVALUATED.
7. IN THE EVENT THAT PREVIOUSLY UNKNOWN CULTURAL RESOURCES ARE DISCOVERED DURING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH THE ACCIDENTAL FINDINGS PLAN FOR THE PROJECT. THE PLAN MAY BE IMPLEMENTED THROUGH THE FOLLOWING STEPS SHOULD AN ACCIDENTAL FIND BE UNCOVERED BY A CONSTRUCTION INSPECTOR, THE CONTRACTOR OR A SUBCONTRACTOR DURING CONSTRUCTION OPERATIONS:
 - A. CONSTRUCTION ACTIVITIES IN THE AREA OF AN ACCIDENTAL FIND WILL BE IMMEDIATELY HALTED UPON THE DISCOVERY. THE MEASURED SETBACK DISTANCE TO ESTABLISH AS THE TEMPORARY NON-ENCROACHMENT BOUNDARY PERMITTING FURTHER EVALUATION SHALL BE APPROXIMATELY 30 TO 50 FEET IN ALL DIRECTIONS FROM THE FIND LOCATION. SPECIAL CONSIDERATION SHOULD BE GIVEN TO THE POSSIBLE EXTENSION OF THIS NO WORK PERMITTED ZONE IF LATER DETERMINED AS REQUIRED.
 - B. THE CONTRACTOR WILL NOTIFY THE STATE CORONER IN ADDITION TO THE THE APPLICABLE STATE HISTORIC PRESERVATION OFFICIAL (SHPO). IF THE FINDINGS ARE HUMAN REMAINS, ALL RELEVANT RECOMMENDATIONS REGARDING TREATMENT OF SUCH REMAINS WILL BE FOLLOWED. THE SHPO WILL IDENTIFY THE APPROPRIATE NATIVE AMERICAN GROUPS WITH WHOM TO CONSULT WITH TO INITIATE EARLY COORDINATION BETWEEN SHPO AND ALL INTERESTED PARTIES, A DECISION WILL BE MADE FOR THE TREATMENT OF THE REMAINS. THESE PARTIES, THE COUNTY CORONER, AND POLICE OFFICIALS WILL ALL BE NOTIFIED WITHIN 24 HOURS OF ANY ACCIDENTAL FIND.
 - C. SPECIFIC SHPO INSTRUCTIONS CONCERNING AN ACCIDENTAL FIND RESULTING FROM THE NOTIFICATIONS DESCRIBED ABOVE WILL BE FOLLOWED ON A CASE-BY-CASE BASIS. AT A MINIMUM, SUFFICIENT ARCHEOLOGICAL WORK WILL BE PERFORMED ON THE ACCIDENTAL FIND LOCATION TO STABILIZE DEPOSITS, PROTECTING DEPOSITS FROM SCAVENGERS OR LOOTERS, AND TO COLLECT READILY AVAILABLE SAMPLES (E.G. FOR RADIOCARBON DATING) TO ESTIMATE THE AGE OF THE DEPOSITS AND TO IDENTIFY LINEAL OR CULTURAL DESCENDENTS.
 - D. THE SHPO WILL FOLLOW THROUGH ON THE COURSE OF ACTION TO COMPLY WITH SECTION 106. THIS MAY REQUIRE DEVELOPMENT OF AN MEMORANDUM OF AGREEMENT (MOA) OR IMPLEMENTATION OF ACTIONS INVOLVING THE FIND THAT SATISFY SECTION 106 REGULATIONS AND MAY INVOLVE CONSULTATION WITH NATIVE AMERICAN GROUPS. CONSTRUCTION SHALL REMAIN HALTED IN THE IMMEDIATE AREA OF THE ACCIDENTAL FIND UNTIL THE SHPO INDICATES IN WRITING THAT THE WORK MAY PROCEED IN THIS AREA.

FILE NAME: \\BOSFIL11\NAL_Proj\MBTA\2011\E2X51916\700 CAD\703-Track\ C-04 Boston College_General Notes.dwg
 PLOT DATE: Aug 08, 2012 - 2:24pm

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		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY			
		BOSTON COLLEGE STATION DESIGN PROJECT CONTRACT NO. XXXXXXX			
		BOSTON COLLEGE STATION GENERAL NOTES			
				MASSACHUSETTS BAY TRANSPORTATION AUTHORITY	
		343 CONGRESS STREET BOSTON, MA 02210 OFFICE: 617-242-9222 FAX: 617-242-9824		APPROVED BY: _____ Date: _____	
		PROJECT MANAGER _____ Date _____		Project Manager: _____ Date: _____	
ISSUE	DATE	DESCRIPTION	BY	CHKD.	APP.
		Horiz. NONE		DES. BY	DR. BY
		Vert. NONE		CHK. BY	OK. BY
		DATE: 8-08-2012		PJC	KMG XXX
		PLAN NO.		ISSUE	
		SHEET G-04			

FILE NAME: \\BOSFIL11\NAL_Proj\MBFA\2011\E2X51916\700 CAD\703-Track\ G-05 Boston College_Curve Definition Sheet.dwg
 PLOT DATE: Aug 08, 2012 - 2:24pm

HORIZONTAL ALIGNMENT DEFINITIONS

- A DISTANCE BETWEEN CENTERS OF CIRCLE
- CC CENTER OF CIRCLE
- CS CURVE TO SPIRAL
- Dc DEGREE OF CURVE DEFINED BY THE CHORD DEFINITION
- Ec EXTERNAL DISTANCE FROM MIDPOINT OF CIRCULAR CURVE TO PIC
- I ANGLE OF INTERSECTION OF MAIN TANGENTS AT PI
- JR JERK RATE
- Lc LENGTH OF CIRCULAR CURVE BETWEEN SC AND CS
- Ls LENGTH OF SPIRAL FROM
- L.T. LONG TANGENT OF SPIRAL; DISTANCE FROM PIS TO TS (OR PIS TO ST)
- o OFFSET FROM PC (OF PT) TO MAIN TANGENT
- PC POINT OF CURVE
- PCC POINT OF COMPOUND CURVATURE
- PI POINT OF INTERSECTION OF MAIN TANGENTS
- PIC POINT OF INTERSECTION OF LINES TANGENT AT SC AND CS
- PIS POINT OF INTERSECTION OF MAIN TANGENT AND LINE TANGENT
- PITO POINT OF INTERSECTION OF TURNOUT
- POL POINT ON LINE
- PS POINT OF SWITCH
- PT POINT OF TANGENCY; ON SPIRALED CURVES THIS POINT IS OFFSET A DISTANCE "o" FROM THE MAIN TANGENT
- R RADIUS OF CIRCULAR CURVE
- SC SPIRAL TO CURVE
- SERR SUPERELEVATION RUNOFF RATE
- ST SPIRAL TO TANGENT
- S.T. SHORT TANGENT OF SPIRAL; DISTANCE FROM PIS TO CS (OR PIS TO SC)
- Tc DISTANCE FROM SC (OR CS) TO PIC IN SPIRALED CURVE, OR TANGENT FROM PC (OR PT) TO PI IN A SIMPLE CURVE
- TS TANGENT TO SPIRAL
- Xo DISTANCE ALONG MAIN TANGENT FROM TS (OR ST) TO PERPENDICULAR OFFSET OF PC
- X DISTANCE ALONG MAIN TANGENT FROM TS (OR ST) TO PERPENDICULAR OFFSET OF SC (OR CS)
- Y PERPENDICULAR OFFSET FROM MAIN TANGENT TO CS (OR SC)
- Δ DELTA ANGLE
- Δs SPIRAL ANGLE; CENTRAL ANGLE OF SPIRAL
- Δc ANGLE OF INTERSECTION OF TANGENTS OF CIRCULAR CURVE ONLY

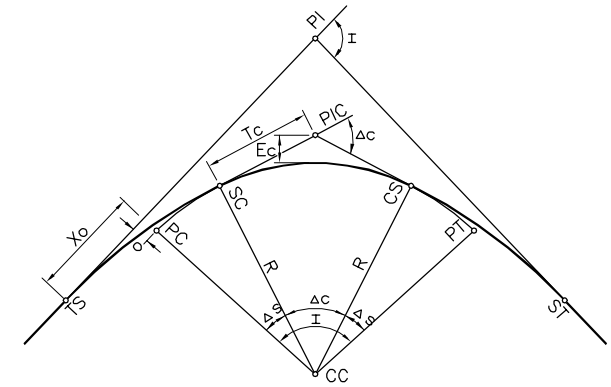
MAIN TANGENTS – THOSE LINES TANGENT TO ALIGNMENT AT TS AND ST WHICH INTERSECT AT PI

SPEED/SUPERELEVATION DATA

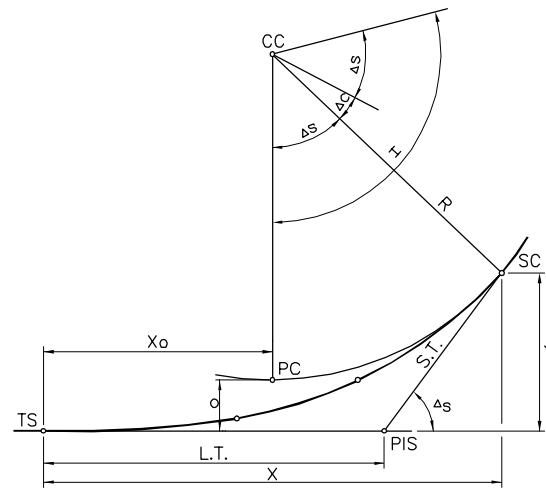
- V DESIGN SPEED IN MPH
- Ed ACTUAL SUPERELEVATION
- Ee EQUILIBRIUM SUPERELEVATION
- Eu UNBALANCED SUPERELEVATION

VERTICAL ALIGNMENT DEFINITIONS

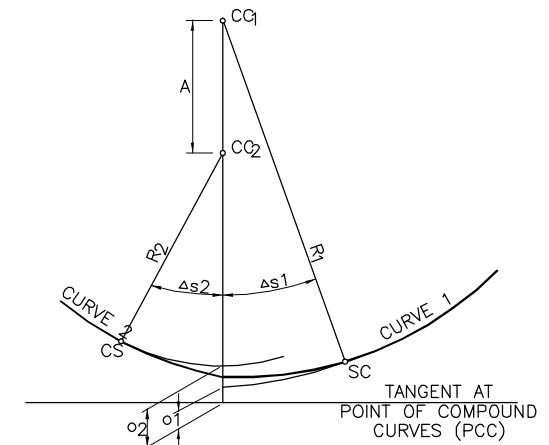
- G1 INCOMING GRADE
- G2 OUTGOING GRADE
- L LENGTH OF VERTICAL CURVE
- PVC POINT OF VERTICAL CURVATURE
- PVI POINT OF INTERSECTION OF GRADES
- PVT POINT OF VERTICAL TANGENCY
- r PERCENT RATE OF CHANGE OF GRADE PER 100 FEET



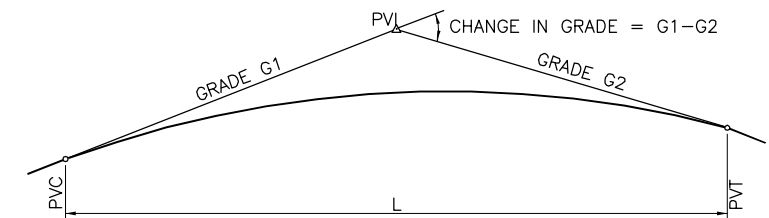
CIRCULAR CURVE WITH SPIRALS



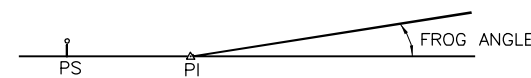
SPIRAL



COMPOUND SPIRAL



VERTICAL CURVE



TURNOUT

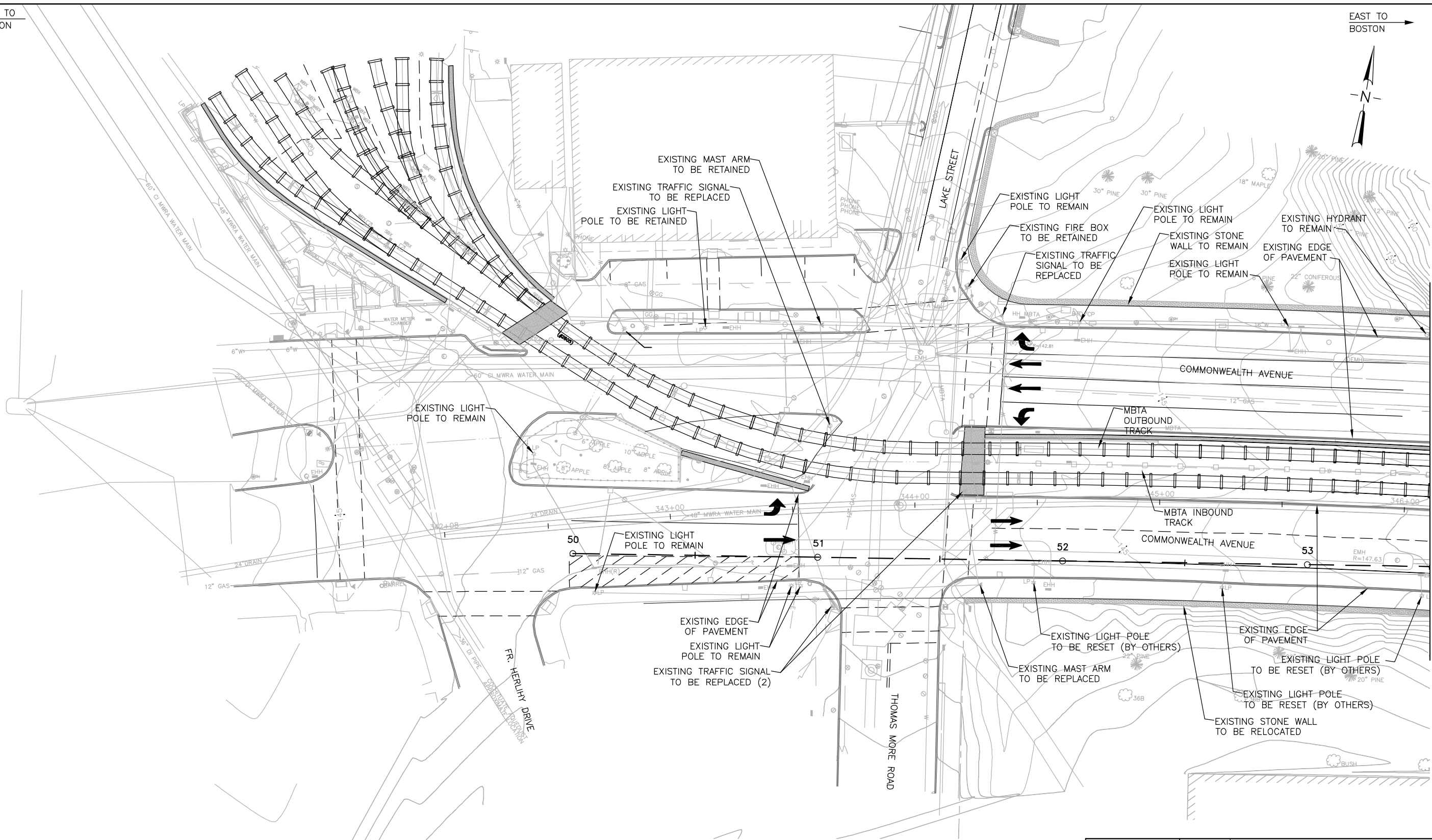
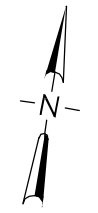
T	MASSACHUSETTS BAY TRANSPORTATION AUTHORITY	
	BOSTON COLLEGE STATION DESIGN PROJECT CONTRACT NO. XXXXXXX	
BOSTON COLLEGE STATION CURVE DEFINITIONS		

JACOBS		343 CONGRESS STREET BOSTON, MA 02210 OFFICE: 617-242-9222 FAX: 617-242-9824		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY	
APPROVED BY:		APPROVED BY:		APPROVED BY:	
PROJECT MANAGER		Date		Project Manager: Date:	
Horiz. NONE	DES. BY	DR. BY	CHK. BY	PLAN NO.	ISSUE
Vert. NONE	PJC	KMG	XX	SHEET	G-05
DATE: 8-08-2012					○

15% SUBMITTAL
NOT FOR CONSTRUCTION

WEST TO
NEWTON

EAST TO
BOSTON

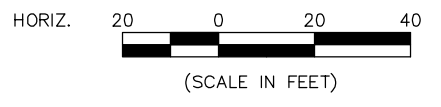


MATCH LINE SEE SHEET C-2

FILE NAME: \\BOSFIL11\NML_Proj\MBTA\2011\EZXS1916\700 CADD\702-Civil\ C-1 - C-2 BC_Existing Conditions Plan.dwg
PLOT DATE: Aug 08, 2012 - 1:21pm

15% SUBMITTAL
NOT FOR CONSTRUCTION

- LEGEND:**
- PROPOSED
 - EXISTING
 - - - RAILROAD R.O.W. & PROPERTY LINE
 - PROPOSED CHAINLINK FENCE



MASSACHUSETTS BAY TRANSPORTATION AUTHORITY

BOSTON COLLEGE
STATION DESIGN PROJECT
CONTRACT NO. XXXXXXX

BOSTON COLLEGE STATION
EXISTING CONDITIONS
SHEET 1 OF 2



343 CONGRESS STREET
BOSTON, MA 02210
OFFICE: 617-242-9222
FAX: 617-242-9824

MASSACHUSETTS BAY TRANSPORTATION AUTHORITY

APPROVED BY:

ISSUE	DATE	DESCRIPTION	BY	CHKD.	APP.

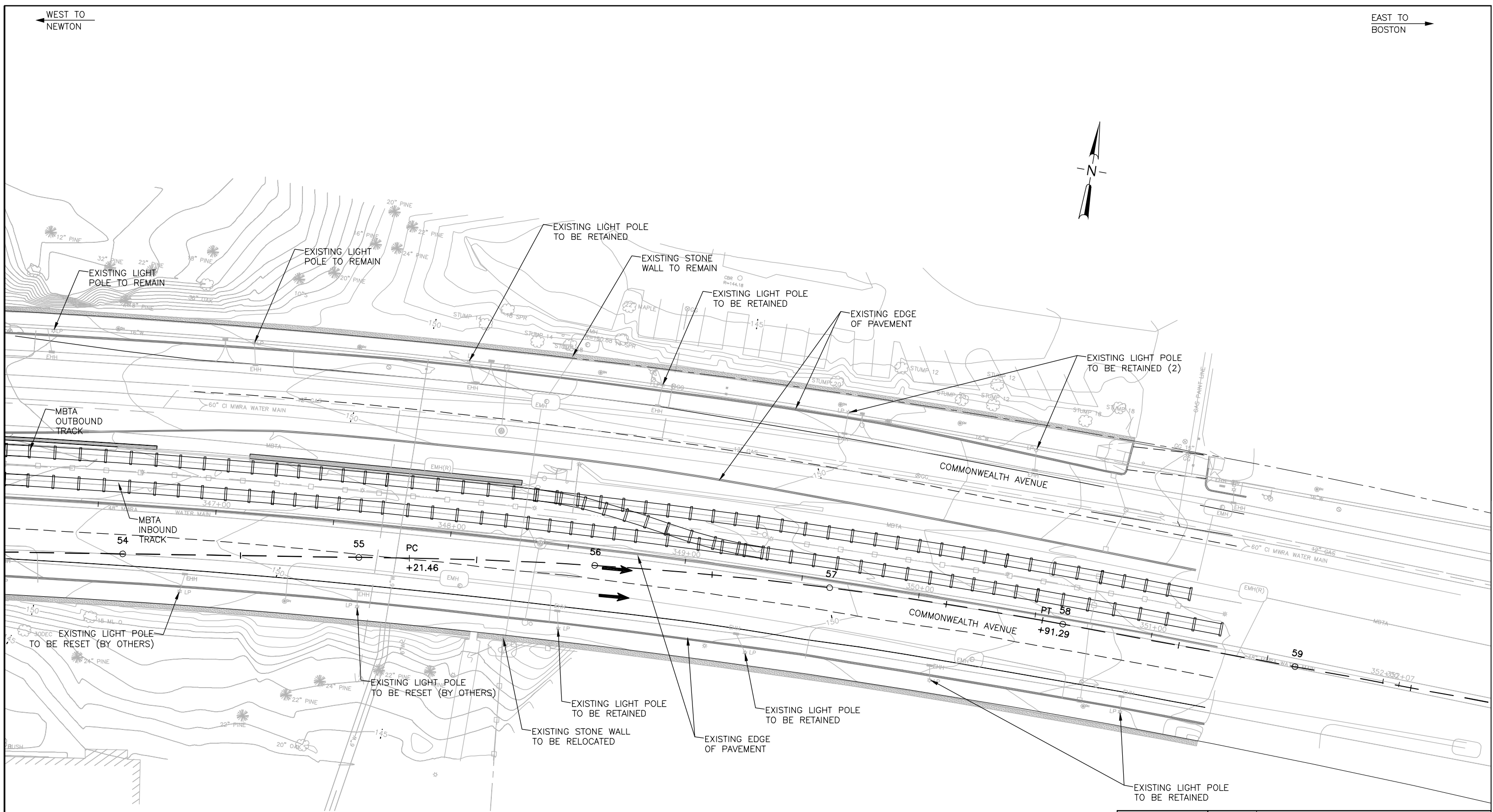
PROJECT MANAGER	Date	Project Manager:	Date:
Horiz. 1"=20'	DES. BY	DR. BY	CHK. BY
Vert. NONE	HLF	ASR	XXX
DATE: 8-08-2012	SHEET C-1		ISSUE

WEST TO
NEWTON

EAST TO
BOSTON

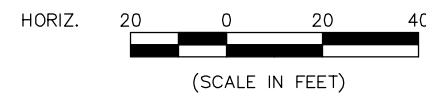


FILE NAME: \\BOSFIL11\NAL_Proj\MBTA\2011\EZXS1916\700 CADD\702-Civil\C-1 - C-2 BC_Existing Conditions Plan.dwg MATCH LINE SEE SHEET C-1
PLOT DATE: Aug 08, 2012 - 1:22pm



15% SUBMITTAL
NOT FOR CONSTRUCTION

- LEGEND:
- PROPOSED
 - EXISTING
 - RAILROAD R.O.W. & PROPERTY LINE
 - PROPOSED CHAINLINK FENCE

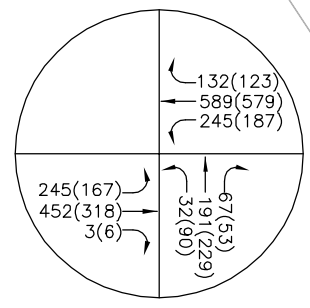


T	MASSACHUSETTS BAY TRANSPORTATION AUTHORITY			
	BOSTON COLLEGE STATION DESIGN PROJECT CONTRACT NO. XXXXXXX			
	BOSTON COLLEGE STATION EXISTING CONDITIONS SHEET 2 OF 2			
JACOBS		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY		
343 CONGRESS STREET BOSTON, MA 02210 OFFICE: 617-242-9222 FAX: 617-242-9824		APPROVED BY: _____ Project Manager: _____ Date: _____		
PROJECT MANAGER	Date	DES. BY	DR. BY	CHK. BY
Horiz. 1"=20'	Vert. NONE	DATE: 8-08-2012	HLF	ASR XXX
PLAN NO.	SHEET	C-2		ISSUE

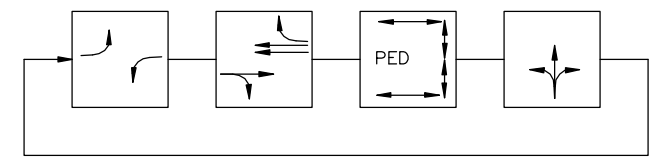
ISSUE	DATE	DESCRIPTION	BY	CHK.	APP.

WEST TO
NEWTON

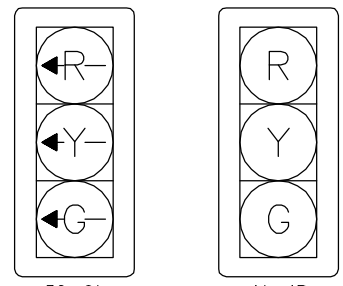
EAST TO
BOSTON



EXISTING TRAFFIC VOLUMES
 XXX AM PEAK HOUR
 (XXX) PM PEAK HOUR

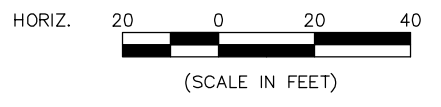


PROPOSED SIGNAL PHASING



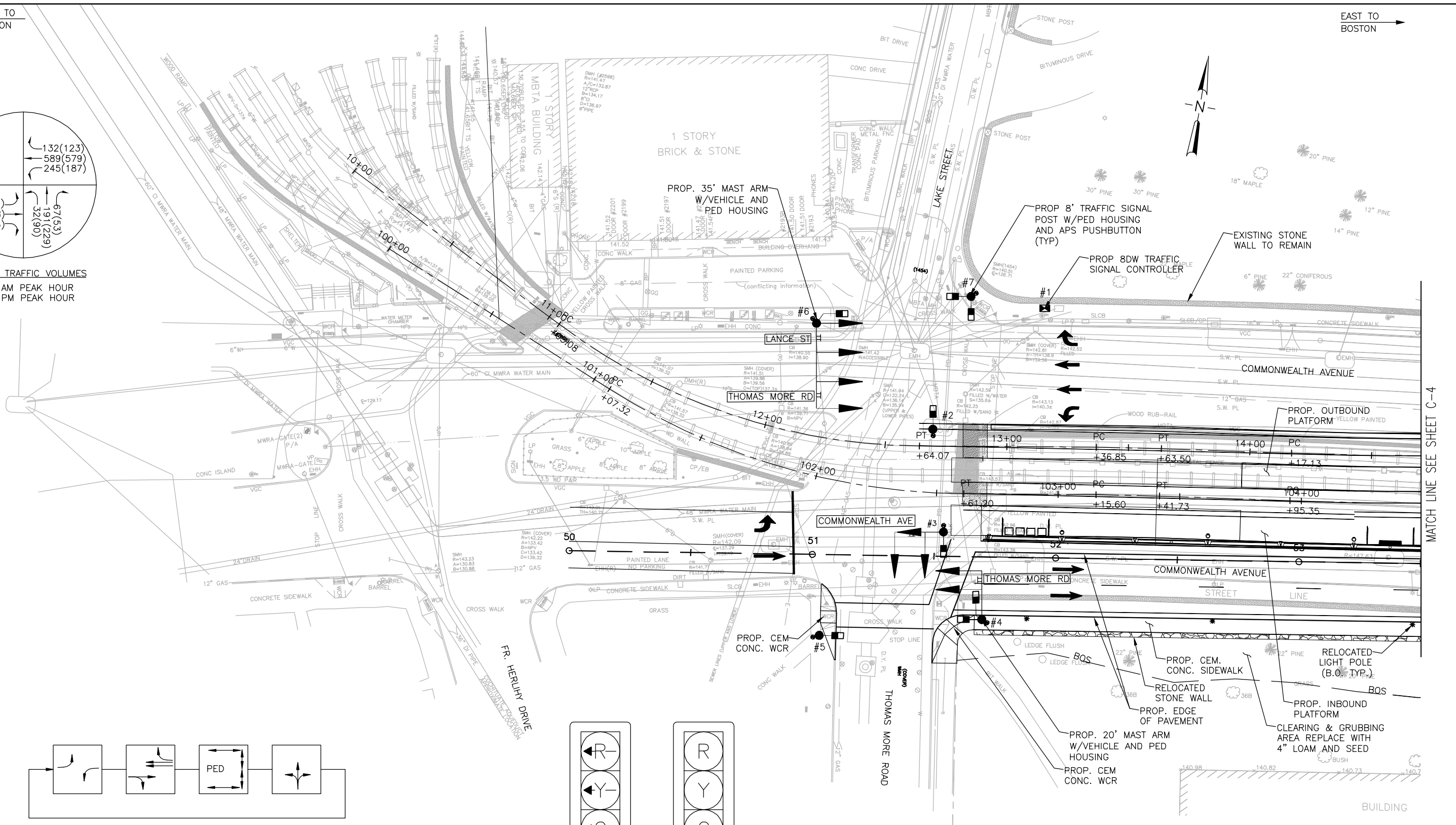
3C, 6A
 4A, 4B
 3A, 3B
 6B, 6C, 6D
 SIGNAL HEAD DATA

- LEGEND:
- PROPOSED
 - - - EXISTING
 - - - RAILROAD R.O.W. & PROPERTY LINE
 - PROPOSED CHAINLINK FENCE



15% SUBMITTAL
 NOT FOR CONSTRUCTION

FILE NAME: \\BOSFIL11\NML_Proj\MBTA\2011\EZXS1916\700 CADD\702-Civil\ C-3 - C-4 Boston College_Site Plan.dwg
 PLOT DATE: Aug 08, 2012 - 12:55pm



MATCH LINE SEE SHEET C-4



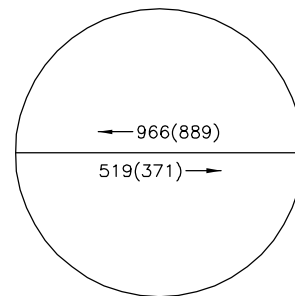
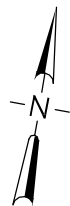
MASSACHUSETTS BAY TRANSPORTATION AUTHORITY
 BOSTON COLLEGE
 STATION DESIGN PROJECT
 CONTRACT NO. XXXXXXX
 BOSTON COLLEGE STATION
 SITE PLAN
 SHEET 1 OF 2

JACOBS		343 CONGRESS STREET BOSTON, MA 02210 OFFICE: 617-242-9222 FAX: 617-242-9824		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY	
PROJECT MANAGER		Date		APPROVED BY:	
Horiz. 1"=20'	DES. BY	DR. BY	CHK. BY	Project Manager:	Date:
Vert. NONE	HLF	ASR	XXX	PLAN NO.	ISSUE
DATE: 8-08-2012				SHEET C-3	

ISSUE	DATE	DESCRIPTION	BY	CHK.	APP.

WEST TO
NEWTON

EAST TO
BOSTON

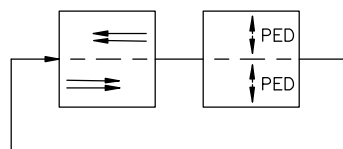
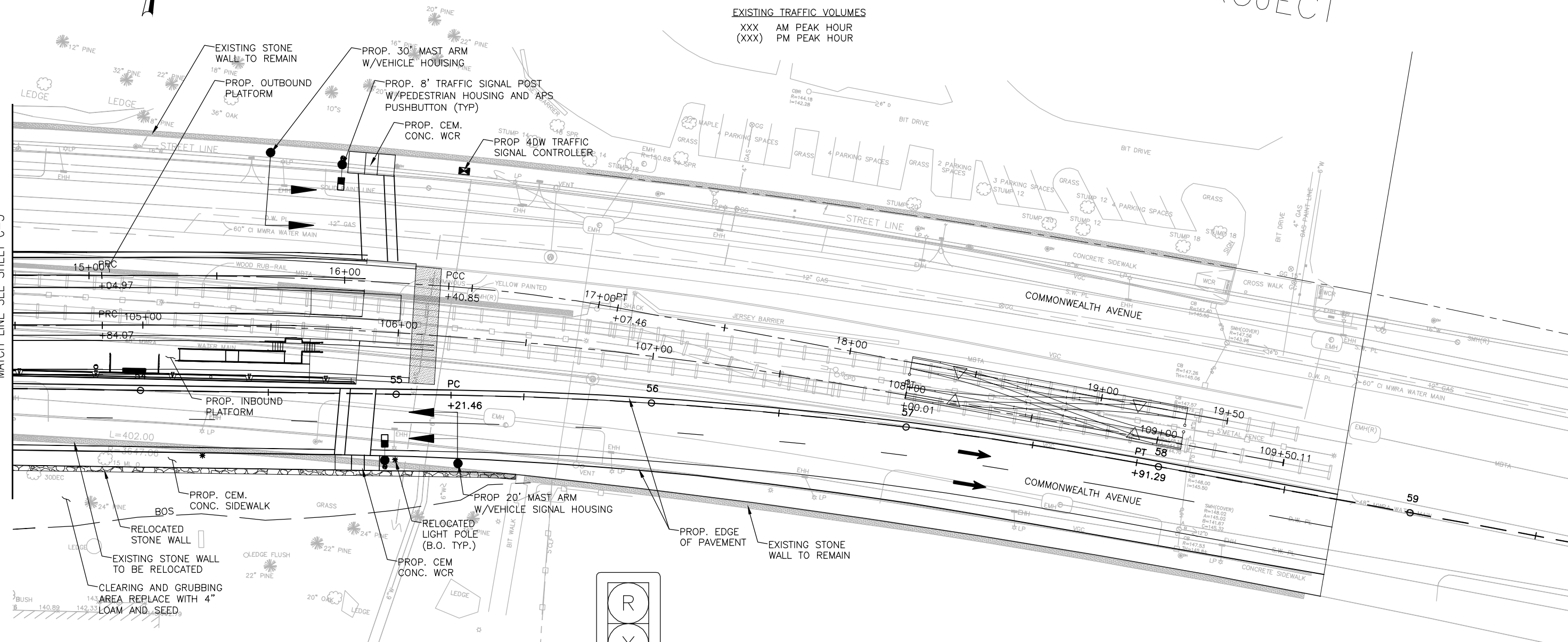


EXISTING TRAFFIC VOLUMES

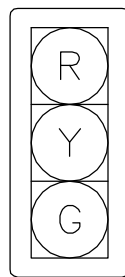
XXX AM PEAK HOUR
(XXX) PM PEAK HOUR

END PROJECT

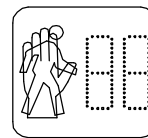
MATCH LINE SEE SHEET C-3



PROPOSED SIGNAL PHASING



ALL

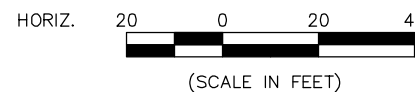


ALL

SIGNAL HEAD DATA

LEGEND:

- PROPOSED
- - - EXISTING
- - - RAILROAD R.O.W. & PROPERTY LINE
- PROPOSED CHAINLINK FENCE



15% SUBMITTAL
NOT FOR CONSTRUCTION

MASSACHUSETTS BAY TRANSPORTATION AUTHORITY

T

BOSTON COLLEGE
STATION DESIGN PROJECT
CONTRACT NO. XXXXXXX

BOSTON COLLEGE STATION
SITE PLAN
SHEET 2 OF 2

JACOBS

343 CONGRESS STREET
BOSTON, MA 02210
OFFICE: 617-242-9222
FAX: 617-242-9824

MASSACHUSETTS BAY TRANSPORTATION AUTHORITY

APPROVED BY: _____

PROJECT MANAGER: _____ Date: _____

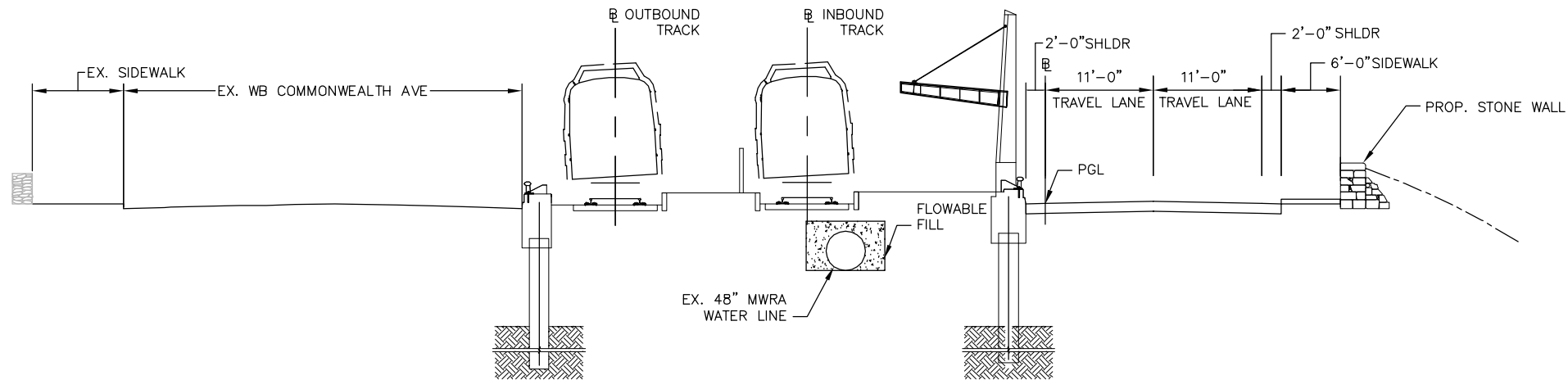
Project Manager: _____ Date: _____

DATE: 8-08-2012 HLF ASR XXX

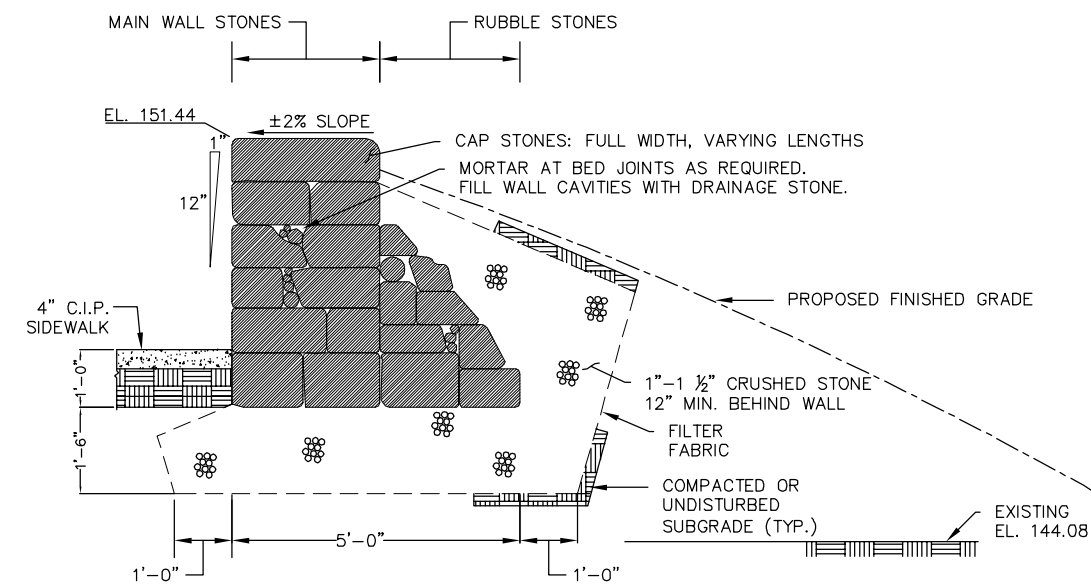
PLAN NO. _____ SHEET C-4

FILE NAME: \\BOSFIL11\NML_Proj\MBTA\2011\EZXS1916\700 CADD\702-Civil\C-3 - C-4 Boston College_Site Plan.dwg
PLOT DATE: Aug 08, 2012 1:09pm

FILE NAME: \\BOSFIL11\NML_Proj\MBTA\2011\EZXS1916\700 CADD\702-Civil\ C-5 Boston College_Typical Site Sections.dwg
 PLOT DATE: Aug 08, 2012 - 12:56pm



TYPICAL SECTION - LOOKING EAST
 SCALE: 1/8" = 1'-0"



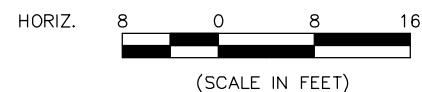
NOTES:

1. THE CONTRACTOR SHALL REMOVE AND RESET THE STONE WALL MAKING EVERY EFFORT TO RETURN WALL STONES TO THEIR ORIGINAL PRECONSTRUCTION CONDITION; MAINSTONES SHALL BE USED BELOW THE CAP STONE AND RUBBLE STONES SHALL BE USED AS THE WALL BATTER.
2. WHEN RECONSTRUCTING THE STONE WALL, THE CONTRACTOR SHALL REMOVE ANY GAPS IN THE WALL THAT OCCURED DUE TO PREVIOUS DAMAGE. ALL JOINTS IN THE RECONSTRUCTED WALL SHALL NOT EXCEED 2" BETWEEN STONES.
3. THE CONTRACTOR SHALL REPLACE UNSUITABLE OR MISSING ORIGINAL STONES WITH STONES OF SIMILAR SIZE AND APPEARANCE.

RELOCATED DRY-LAID STONE WALL CROSS-SECTION

N.T.S

15% SUBMITTAL
 NOT FOR CONSTRUCTION



T		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY	
		BOSTON COLLEGE STATION DESIGN PROJECT CONTRACT NO. XXXXXXX	
BOSTON COLLEGE STATION TYPICAL SITE SECTIONS		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY	
APPROVED BY:		APPROVED BY:	
Project Manager:		Project Manager:	
Date:		Date:	
PROJECT MANAGER		DATE: 8-08-2012	
Horiz. 1"=8'		DES. BY: HLF	
Vert. 1"=8'		DR. BY: ASR	
DATE: 8-08-2012		CHK. BY: XXX	
PLAN NO.		SHEET C-5	
ISSUE		ISSUE	

JACOBS

343 CONGRESS STREET
 BOSTON, MA 02210
 OFFICE: 617-242-9222
 FAX: 617-242-9824

MASSACHUSETTS BAY TRANSPORTATION AUTHORITY

APPROVED BY:

Project Manager:

Date:

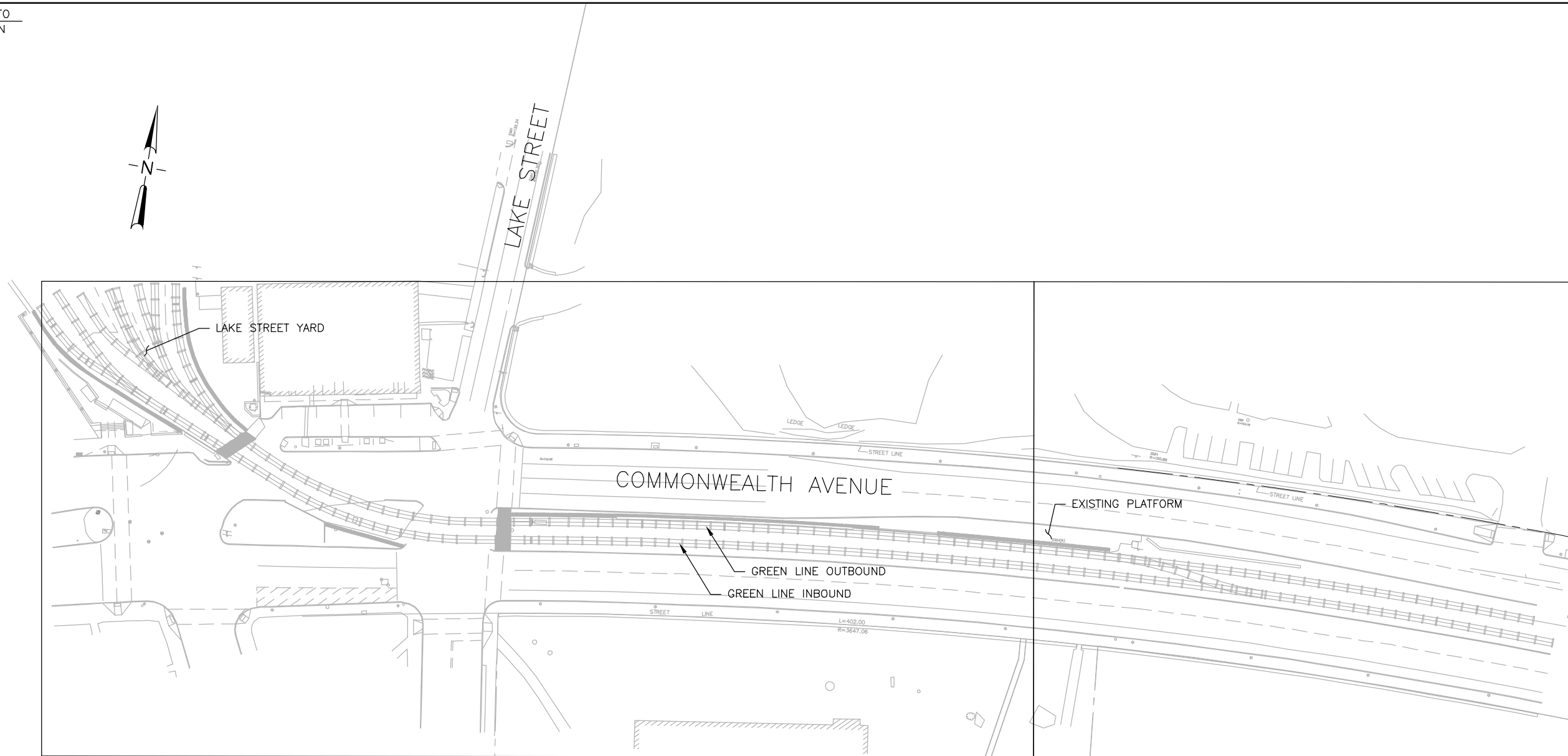
PLAN NO.

SHEET C-5

ISSUE

WEST TO
NEWTON

EAST TO
BOSTON



SHEET
1 OF 2

THOMAS MOORE ROAD

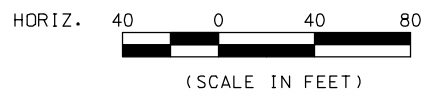
N/F
TRUSTEES OF BOSTON COLLEGE

SHEET
2 OF 2

TRACK KEY PLAN

15% SUBMITTAL
NOT FOR CONSTRUCTION

- LEGEND:**
- PROPOSED
 - EXISTING
 - RAILROAD R.O.W. & PROPERTY LINE
 - PROPOSED CHAINLINK FENCE



T	MASSACHUSETTS BAY TRANSPORTATION AUTHORITY	
	BOSTON COLLEGE STATION DESIGN PROJECT CONTRACT NO. XXXXXXX	
	BOSTON COLLEGE STATION KEY PLAN	
JACOBS		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY
343 CONGRESS STREET BOSTON, MA 02210 OFFICE: 617-242-9222 FAX: 617-242-9824		APPROVED BY: _____ Project Manager: _____ Date: _____
PROJECT MANAGER	Date	Project Manager: _____ Date: _____
Horiz. 1"=40'	DES. BY	DR. BY
Vert. NONE	PJC	CHK. BY
DATE: 8-08-2012	KMG	XXX
PLAN NO.		ISSUE
SHEET T-01		○

FILE NAME: \\BOSFIL11\NAL_Proj\MBTA\2011\EZ251916\700 CAD\0703-Track\ T-01 Boston College_Key Plan.dwg
PLOT DATE: Aug 08, 2012 - 2:25pm

PROPOSED INBOUND BASELINE

CURVE NO.	PT.	STATION	BEARING	COORDINATES		DATA/REMARKS
				NORTHING	EASTING	
	POL	100+00.000	S 67°05'05.5483" E	2949148.5321	746211.0353	
	TS	100+94.858		2949111.5976	746298.4072	$\Delta_s = 03^{\circ}13'45.8345''$ $L_s = 31.00'$ $X = 30.990'$ $Y = 0.582'$ $O = 0.146'$ $X_o = 15.498'$ $L.T. = 20.670'$ $S.T. = 10.336'$
	PIS			2949103.5493	746317.4460	
	SC	101+25.858		2949100.0674	746327.1784	
C-1	PI	101+25.858		2949358.9949	746419.8151	$\Delta_c = 25^{\circ}09'47.8677''$ $L_c = 120.775'$ $V = XXMPH$ $E_a = XX''$ $D_c = XXX$ $T_c = 61.377'$ $CC: NXX$ $E_e = XX''$ $R = 275.00'$ $E_c = 6.766'$ E_{XX} $E_u = XX''$
		102+46.633				
	CS	102+46.633		2949085.2506	746446.0655	$\Delta_s = 03^{\circ}13'45.8345''$ $L_s = 31.000'$ $X = 30.990'$ $Y = 0.582'$ $O = 0.146'$ $X_o = 15.498'$ $L.T. = 20.670'$ $S.T. = 10.336'$
	PIS			2949086.2373	746456.3548	
	ST	102+77.633		2949089.3663	746476.7867	
			N 81°17'34.9149" E			
	TS	106+02.025		2949138.4731	746797.4399	$\Delta_s = 01^{\circ}14'20.3744''$ $L_s = 31.000'$ $X = 30.999'$ $Y = .0223'$ $O = 0.056'$ $X_o = 15.61'$ $L.T. = 20.667'$ $S.T. = 10.334'$
	PIS			2949141.6017	746817.8689	
	SC	106+33.025		2949142.9448	746828.1150	
C-2	PI	106+33.025		2948432.2454	746921.2763	$\Delta_c = 07^{\circ}09'25.5268''$ $L_c = 89.536'$ $V = XXMPH$ $E_a = XX''$ $D_c = XX$ $T_c = 44.826'$ $CC: NXX$ $E_e = XX''$ $R = 716.779'$ $E_c = 1.400'$ E_{XX} $E_u = XX''$
		107+22.561				
	CS	107+22.561		2949149.0142	746917.3871	$\Delta_s = 01^{\circ}14'20.3744''$ $L_s = 31.000'$ $X = 30.999'$ $Y = 0.223'$ $O = 0.056'$ $X_o = 15.500'$ $L.T. = 20.667'$ $S.T. = 10.334'$
	PIS			2949149.0703	746927.7207	
	ST	107+53.561		2949148.7355	746948.3852	
	POE	109+65.000	S 89°04'18.8095" E	2949145.3107	747159.7967	


PROPOSED OUTBOUND BASELINE

CURVE NO.	PT.	STATION	BEARING	COORDINATES		DATA/REMARKS
				NORTHING	EASTING	
	POL	10+00.00	S 67°42'31.4873" E	2949177.7048	746191.6868	
	TS	10+87.171		2949137.7359	746269.1542	$\Delta_s = 03^{\circ}21'04.5453''$ $L_s = 31.000'$ $X = 30.989'$ $Y = 0.604'$ $O = 0.151'$ $X_o = 15.498'$ $L.T. = 20.670'$ $S.T. = 10.337'$
	PIS			2949128.2583	746287.5237	
	SC	11+18.171		2949124.0638	746296.9711	
C-3	PI	11+18.171		2949366.2661	746404.5027	$\Delta_c = 29^{\circ}17'44.5073''$ $L_c = 135.496'$ $V = XXMPH$ $E_a = XX''$ $D_c = XXX$ $T_c = 69.264'$ $CC: NXX$ $E_e = XX''$ $R = 265.000'$ $E_c = 8.902'$ E_{XX} $E_u = XX''$
		12+53.667				
	CS	12+53.667		2949102.4230	746429.2374	$\Delta_s = 03^{\circ}21'04.5453''$ $L_s = 31.000'$ $X = 30.989'$ $Y = 0.604'$ $O = 0.151'$ $X_o = 15.498'$ $L.T. = 20.670'$ $S.T. = 10.337'$
	PIS			2949103.3878	746439.5290	
	ST	12+84.667		2949106.5169	746459.9612	
			N 81°17'34.9149" E			
	TS	15+91.986		2949153.0392	746763.7386	$\Delta_s = 01^{\circ}32'52.9200''$ $L_s = 31.000'$ $X = 30.998'$ $Y = 0.279'$ $O = 0.070'$ $X_o = 15.500'$ $L.T. = 20.667'$ $S.T. = 10.334'$
	PIS			2949156.1679	746784.1679	
	SC	16+22.986		2949157.4557	746794.4214	
C-4	PI	16+22.986		2948588.2423	746865.9153	$\Delta_c = 06^{\circ}32'20.4357''$ $L_c = 65.473'$ $V = XXMPH$ $E_a = XX''$ $D_c = XX$ $T_c = 32.772'$ $CC: NXX$ $E_e = XX''$ $R = 573.686'$ $E_c = 0.935'$ E_{XX} $E_u = XX''$
		16.88.459				
	CS	16+88.459		2949161.8945	746859.7083	$\Delta_s = 01^{\circ}32'52.9200''$ $L_s = 31.000'$ $X = 30.998'$ $Y = 0.279'$ $O = 0.070'$ $X_o = 15.500'$ $L.T. = 20.667'$ $S.T. = 10.334'$
	PIS			2949162.0063	746870.0418	
	ST	17+19.459		2949161.6715	746890.7065	
	POE	19+75.000	S 89°07'18.8095" E	2949157.5323	747146.2141	

FILE NAME: \\BOSFIL11\NAL_Proj\MBTA\2011\EZ51916\700 CAD\T-02 Boston College_Alignment Curve Data Table.dwg
PLOT DATE: Aug 08, 2012 - 2:25pm

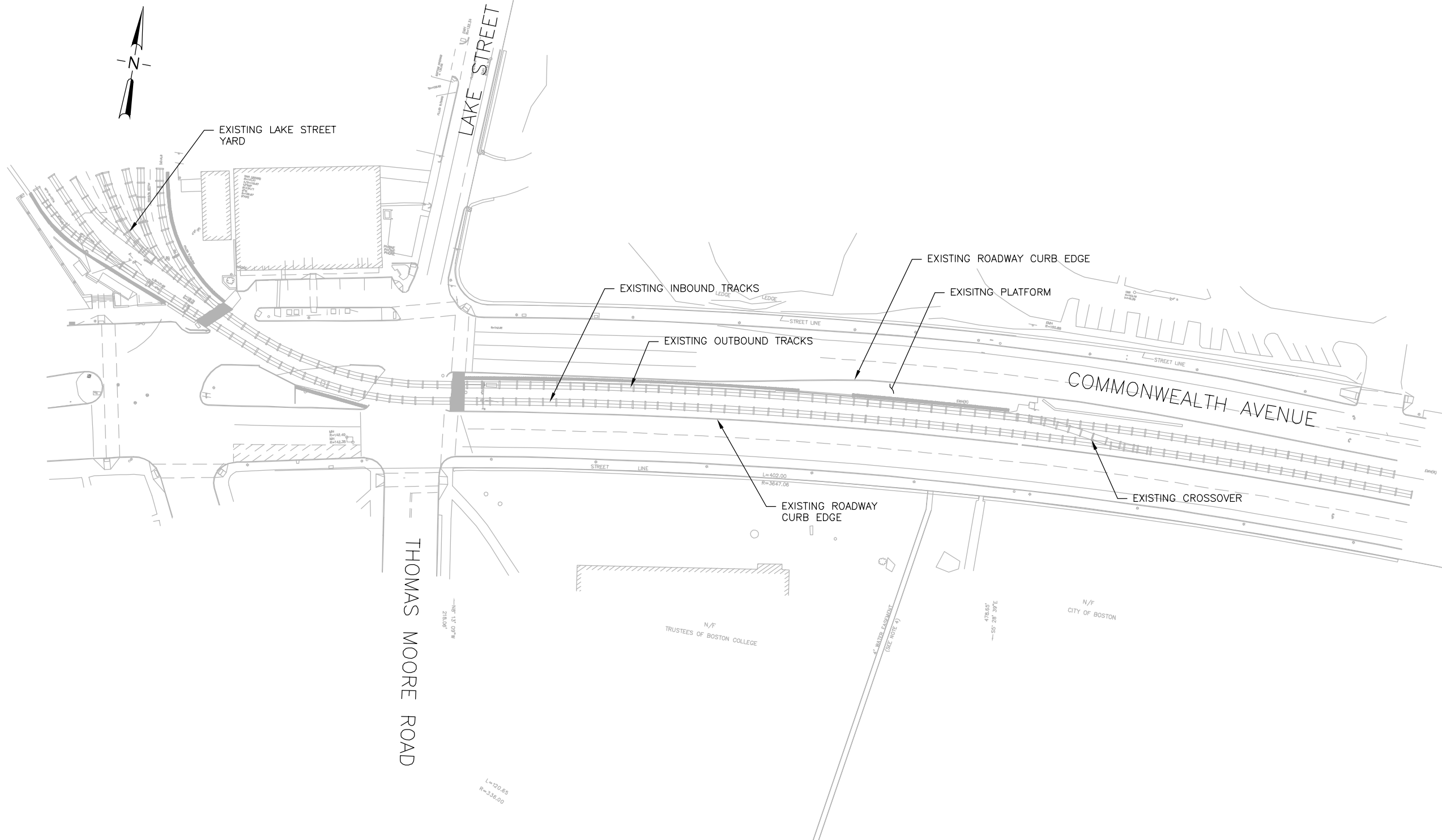
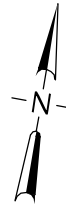
15% SUBMITTAL
NOT FOR CONSTRUCTION

T	MASSACHUSETTS BAY TRANSPORTATION AUTHORITY	
	BOSTON COLLEGE STATION DESIGN PROJECT CONTRACT NO. XXXXXXX	
	BOSTON COLLEGE STATION ALIGNMENT AND CURVE DATA TABLE	

		343 CONGRESS STREET BOSTON, MA 02210 OFFICE: 617-242-9222 FAX: 617-242-9824		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY	
		APPROVED BY:		Project Manager: _____ Date: _____	
ISSUE	DATE	DESCRIPTION	BY	CHKD.	APP.
Horiz. NONE		DES. BY	DR. BY	CHK. BY	PLAN NO.
Vert. NONE		PJC	KMG	XXX	SHEET T-02
DATE: 8-08-2012				ISSUE	

WEST TO
NEWTON

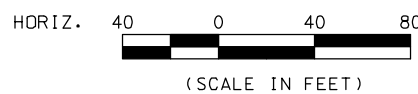
EAST TO
BOSTON



EXISTING CONDITIONS PLAN

15% SUBMITTAL
NOT FOR CONSTRUCTION

- LEGEND:**
- PROPOSED
 - EXISTING
 - RAILROAD R.O.W. & PROPERTY LINE
 - PROPOSED CHAINLINK FENCE

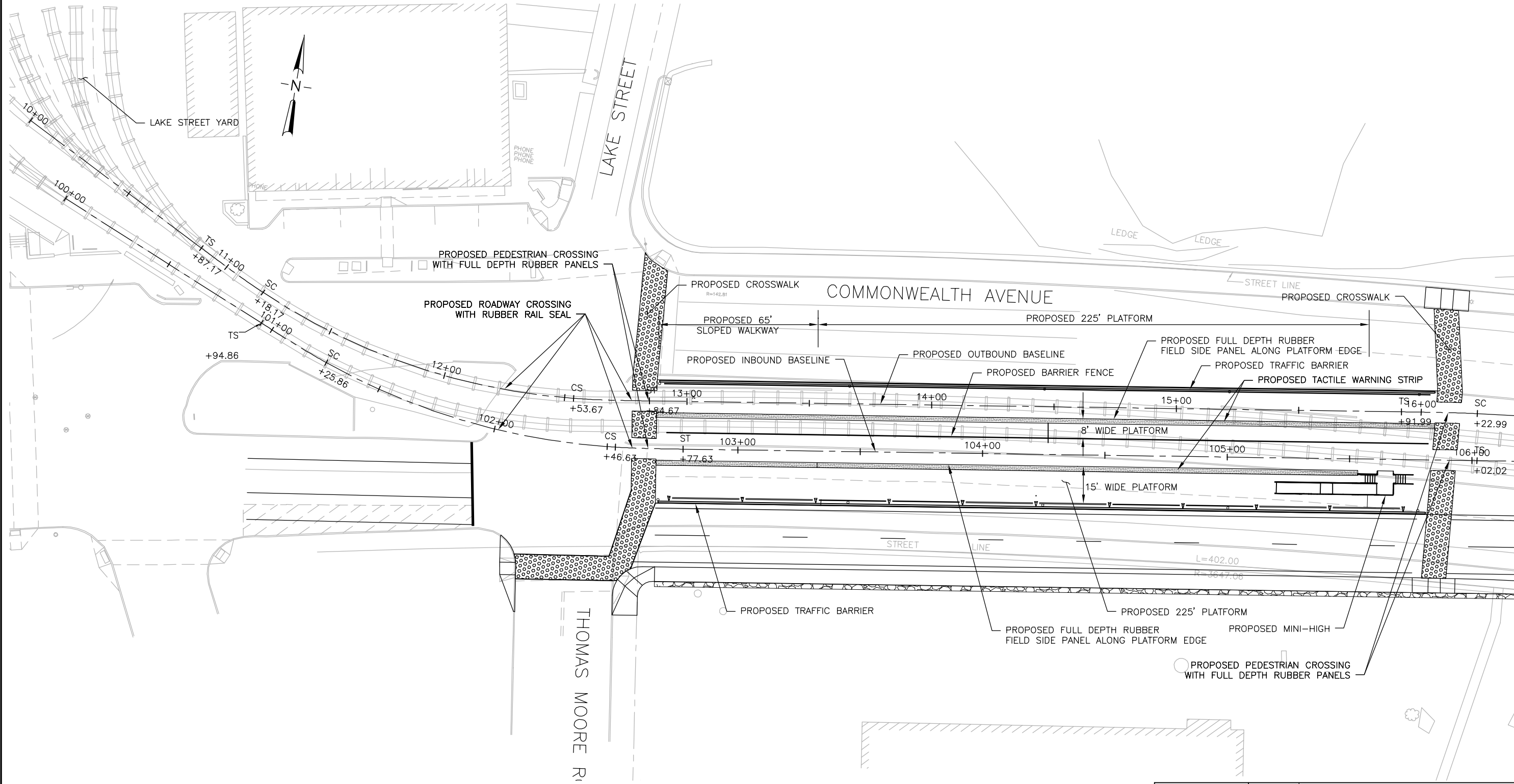
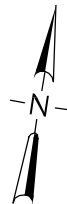


FILE NAME: \\BOSFIL11\NAL_Proj\MBTA\2011\EZ51916\700 CAD\703-Track\ T-03 Boston College_Existing Conditions Plan.dwg
PLOT DATE: Aug 08, 2012 - 2:25pm

		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY																													
		BOSTON COLLEGE STATION DESIGN PROJECT CONTRACT NO. XXXXXXX																													
		BOSTON COLLEGE STATION EXISTING CONDITIONS TRACK PLAN																													
		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY																													
<table border="1"> <tr> <th>ISSUE</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> <th>CHKD.</th> <th>APP.</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>		ISSUE	DATE	DESCRIPTION	BY	CHKD.	APP.							<table border="1"> <tr> <td colspan="2">PROJECT MANAGER</td> <td colspan="2">Date</td> </tr> <tr> <td>Horiz.</td> <td>1"=40'</td> <td>DES. BY</td> <td>CHK. BY</td> </tr> <tr> <td>Vert.</td> <td>NONE</td> <td>PJC</td> <td>KMG XXX</td> </tr> <tr> <td>DATE:</td> <td>8-08-2012</td> <td colspan="2">SHEET T-03</td> </tr> </table>		PROJECT MANAGER		Date		Horiz.	1"=40'	DES. BY	CHK. BY	Vert.	NONE	PJC	KMG XXX	DATE:	8-08-2012	SHEET T-03	
ISSUE	DATE	DESCRIPTION	BY	CHKD.	APP.																										
PROJECT MANAGER		Date																													
Horiz.	1"=40'	DES. BY	CHK. BY																												
Vert.	NONE	PJC	KMG XXX																												
DATE:	8-08-2012	SHEET T-03																													
<p>APPROVED BY:</p> <p>Project Manager: _____ Date: _____</p>		<p>MASSACHUSETTS BAY TRANSPORTATION AUTHORITY</p> <p>APPROVED BY:</p> <p>Project Manager: _____ Date: _____</p>																													

WEST TO
NEWTON

EAST TO
BOSTON



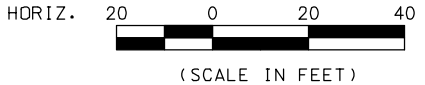
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PLOT DATE: Aug 08, 2012 - 2:25pm

MATCH LINE SEE SHEET T-04

TRACK PLAN

15% SUBMITTAL
NOT FOR CONSTRUCTION

- LEGEND:**
- PROPOSED
 - - - EXISTING
 - - - RAILROAD R.O.W. & PROPERTY LINE
 - PROPOSED CHAINLINK FENCE



MASSACHUSETTS BAY TRANSPORTATION AUTHORITY
 BOSTON COLLEGE
 STATION DESIGN PROJECT
 CONTRACT NO. XXXXXXX
 BOSTON COLLEGE STATION
 TRACK PLAN
 SHEET 1 OF 2



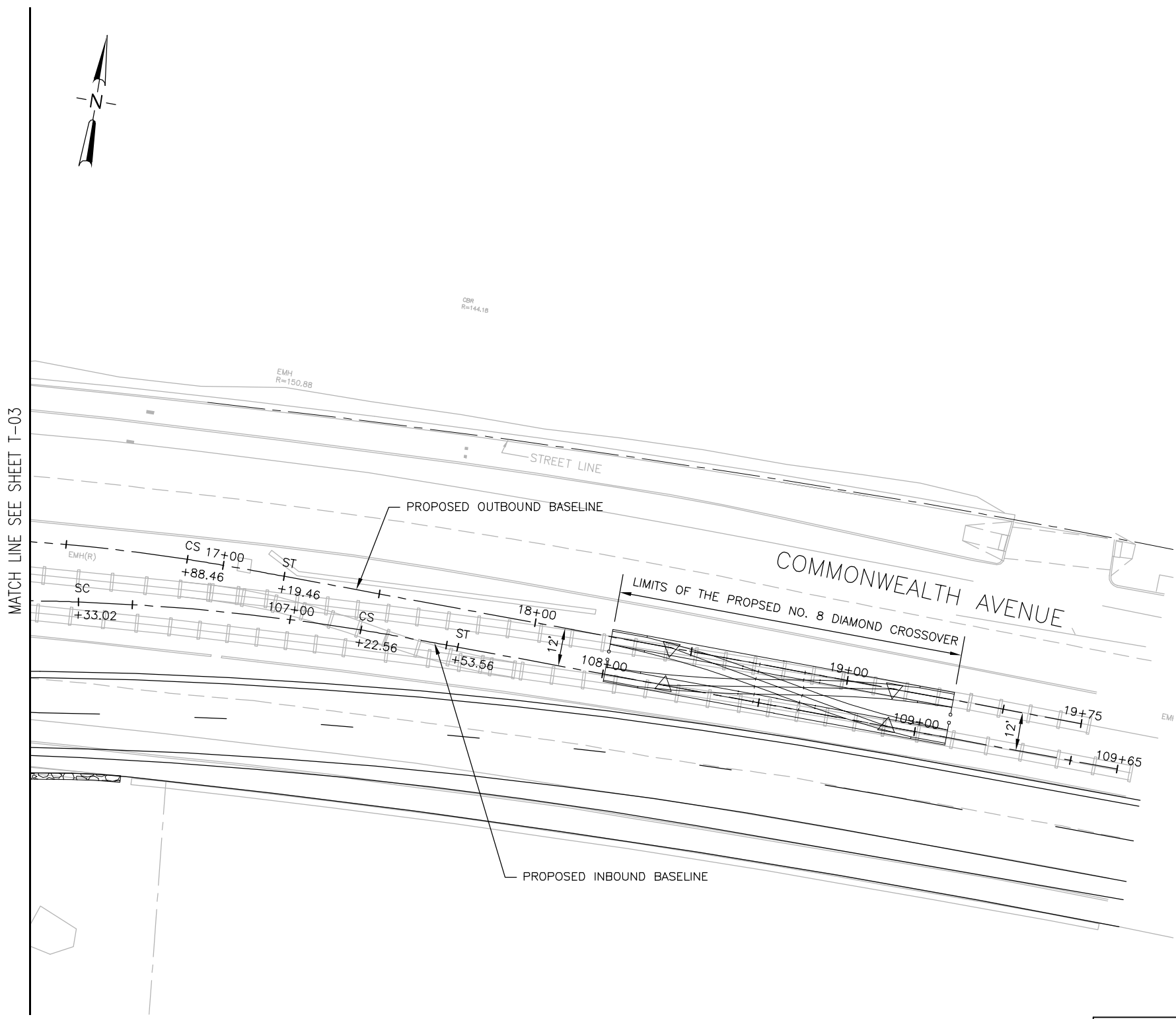
343 CONGRESS STREET
 BOSTON, MA 02210
 OFFICE: 617-242-9222
 FAX: 617-242-9824

ISSUE	DATE	DESCRIPTION	BY	CHKD.	APP.

PROJECT MANAGER		Date		Project Manager:		Date:	
Horiz.	1"=20'	DES. BY	DR. BY	CHK. BY	PLAN NO.	ISSUE	
Vert.	NONE	PJC	KMG	XXX	SHEET	T-04	
DATE:	8-08-2012						

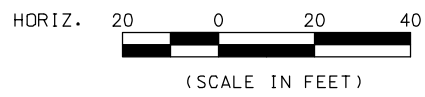
WEST TO
NEWTON

EAST TO
BOSTON



TRACK PLAN

- LEGEND:
- PROPOSED
 - - - EXISTING
 - - - RAILROAD R.O.W. & PROPERTY LINE
 - PROPOSED CHAINLINK FENCE



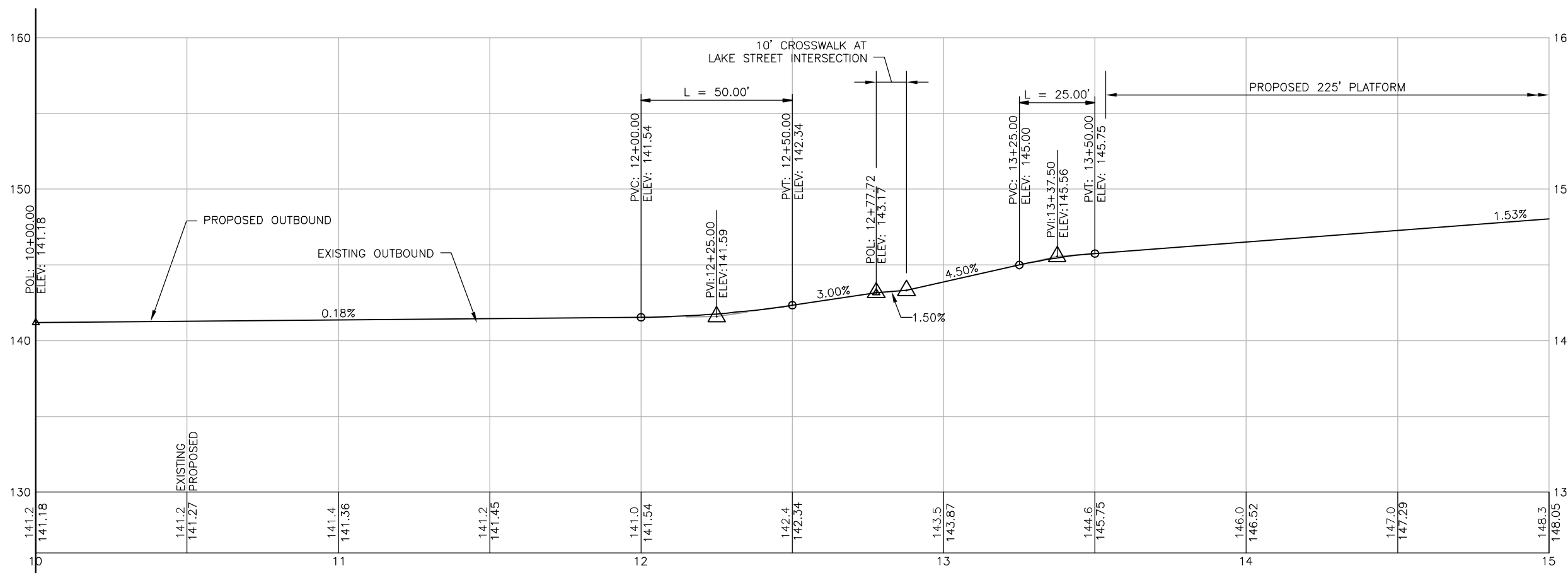
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NOT FOR CONSTRUCTION

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PLOT DATE: Aug 08, 2012 - 2:25pm

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		BOSTON COLLEGE STATION TRACK PLAN SHEET 2 OF 2	
		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY APPROVED BY: _____ Date: _____ Project Manager: _____ Date: _____	
PROJECT MANAGER Date: _____	DES. BY: _____ DR. BY: _____ CHK. BY: _____	PLAN NO. SHEET T-05	ISSUE
Horiz. 1"=20' Vert. NONE DATE: 8-08-2012	PJC KMG XXX	PROJECT MANAGER: _____ Date: _____	ISSUE: _____

WEST TO
NEWTON

EAST TO
BOSTON



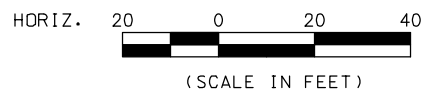
MATCH LINE SEE SHEET T-07

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PLOT DATE: Aug 08, 2012 - 2:25pm

OUTBOUND TRACK PROFILE

15% SUBMITTAL
NOT FOR CONSTRUCTION

- LEGEND:
- PROPOSED
 - - - EXISTING
 - - - RAILROAD R.O.W. & PROPERTY LINE
 - PROPOSED CHAINLINK FENCE

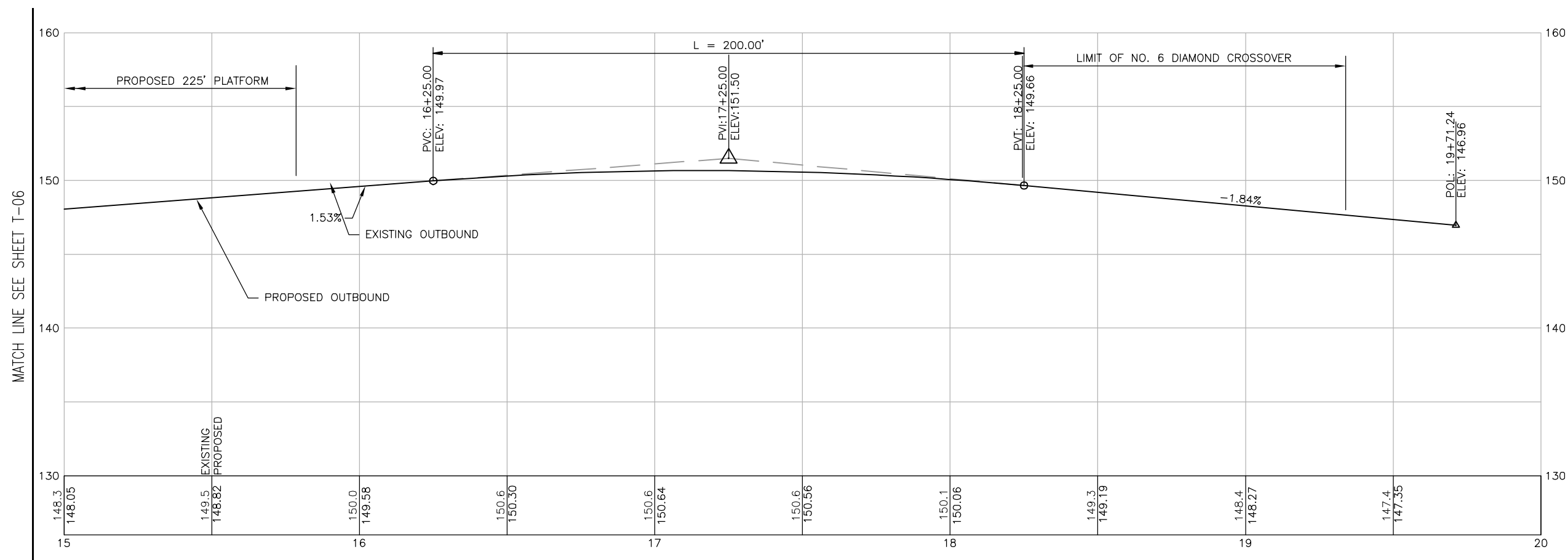


T	MASSACHUSETTS BAY TRANSPORTATION AUTHORITY	
	BOSTON COLLEGE STATION DESIGN PROJECT CONTRACT NO. XXXXXXX	
	BOSTON COLLEGE STATION OUTBOUND TRACK PROFILE SHEET 1 OF 2	
		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY APPROVED BY: _____ Project Manager: _____ Date: _____
PROJECT MANAGER: _____ Date: _____ Horiz. 1"=20' Vert. NONE DATE: 8-08-2012	DES. BY: PJC DR. BY: KMG CHK. BY: XXX	PLAN NO. _____ SHEET T-06

ISSUE	DATE	DESCRIPTION	BY	CHKD.	APP.

WEST TO
NEWTON

EAST TO
BOSTON

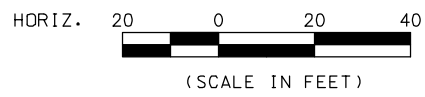


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PLOT DATE: Aug 08, 2012 - 2:25pm

OUTBOUND TRACK PROFILE

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NOT FOR CONSTRUCTION

- LEGEND:
- PROPOSED
 - - - EXISTING
 - - - RAILROAD R.O.W. & PROPERTY LINE
 - PROPOSED CHAINLINK FENCE

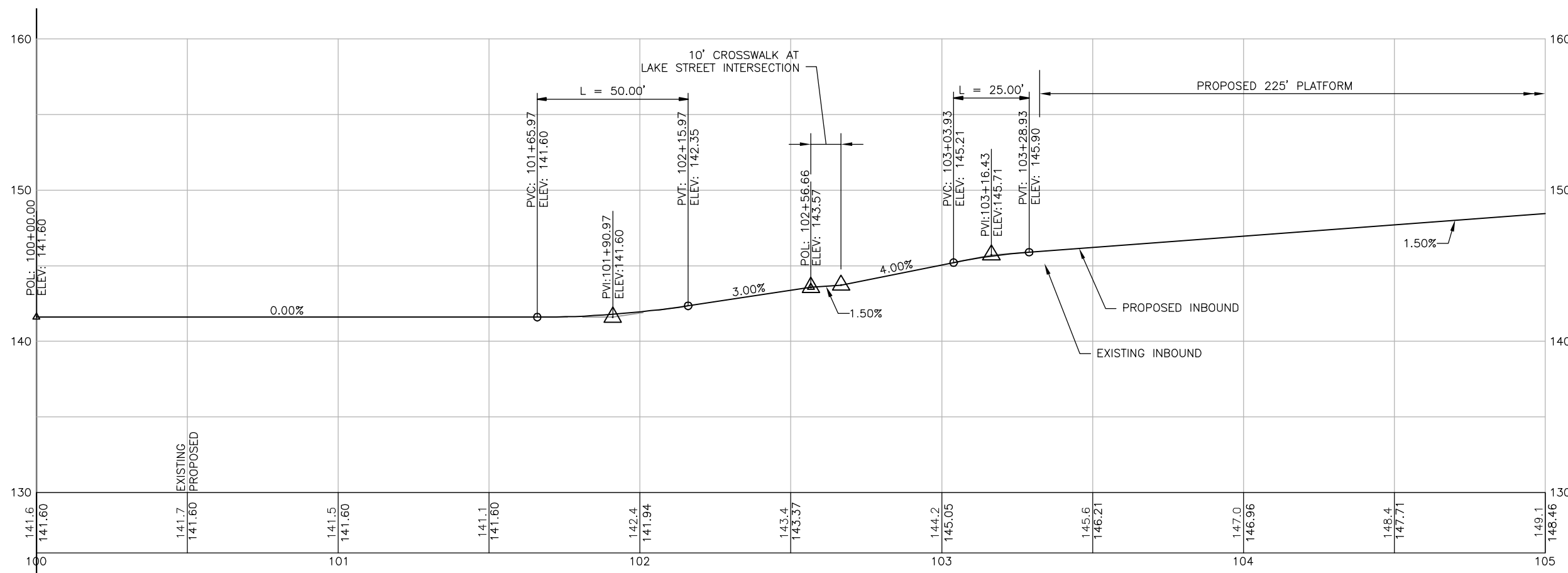


T	MASSACHUSETTS BAY TRANSPORTATION AUTHORITY	
	BOSTON COLLEGE STATION DESIGN PROJECT CONTRACT NO. XXXXXXX	
	BOSTON COLLEGE STATION OUTBOUND TRACK PROFILE SHEET 2 OF 2	
MASSACHUSETTS BAY TRANSPORTATION AUTHORITY		APPROVED BY: _____ Project Manager: _____ Date: _____
JACOBS 343 CONGRESS STREET BOSTON, MA 02210 OFFICE: 617-242-9222 FAX: 617-242-9824		PROJECT MANAGER: _____ Date: _____
Horiz. 1"=20'	DES. BY: PJC	DR. BY: KMG
Vert. NONE	CHK. BY: XXX	DATE: 8-08-2012
PLAN NO. _____		ISSUE _____
SHEET T-07		

ISSUE	DATE	DESCRIPTION	BY	CHKD.	APP.

WEST TO
NEWTON

EAST TO
BOSTON

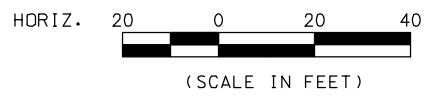


MATCH LINE SEE SHEET T-09

INBOUND TRACK PROFILE

15% SUBMITTAL
NOT FOR CONSTRUCTION

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 - PROPOSED CHAINLINK FENCE

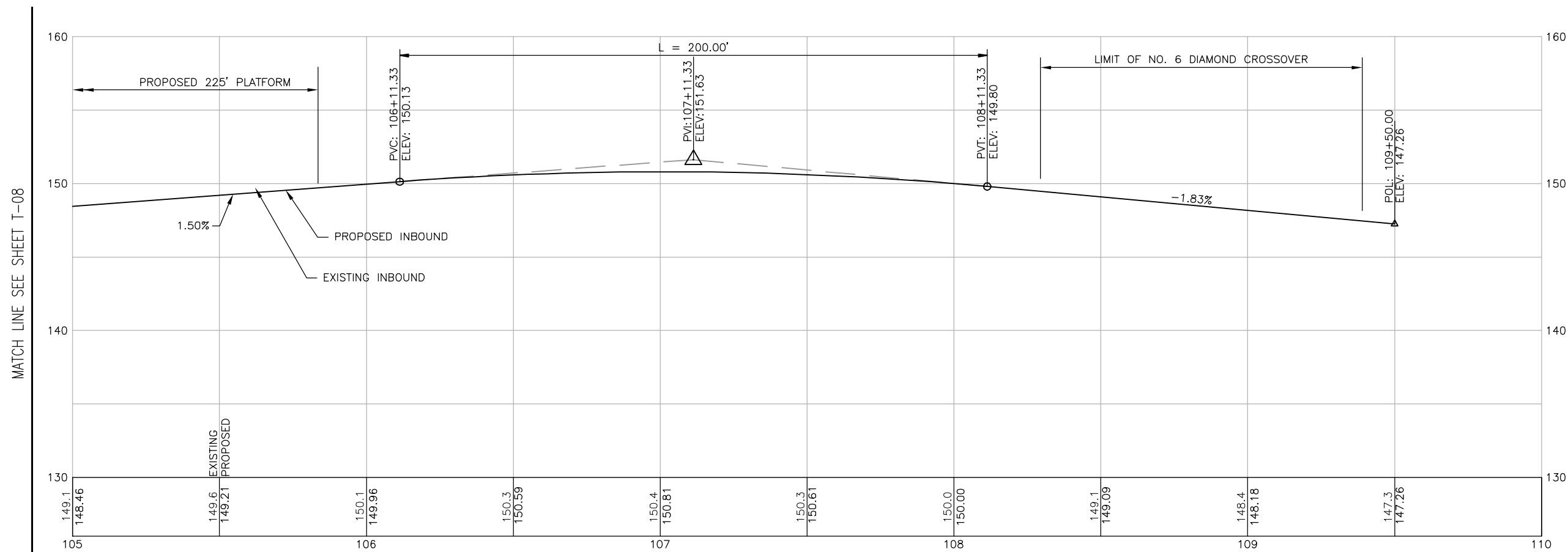


T	MASSACHUSETTS BAY TRANSPORTATION AUTHORITY	
	BOSTON COLLEGE STATION DESIGN PROJECT CONTRACT NO. XXXXXXX	
	BOSTON COLLEGE STATION INBOUND TRACK PROFILE SHEET 1 OF 2	
		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY APPROVED BY: _____ Project Manager: _____ Date: _____
PROJECT MANAGER: _____ Date: _____ Horiz. 1"=20' Vert. NONE DATE: 8-08-2012	DES. BY: PJC DR. BY: KMG CHK. BY: XXX	PLAN NO. _____ SHEET T-08

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 PLOT DATE: Aug 08, 2012 - 2:25pm

WEST TO
NEWTON

EAST TO
BOSTON



MATCH LINE SEE SHEET T-08

INBOUND TRACK PROFILE

15% SUBMITTAL
NOT FOR CONSTRUCTION

- LEGEND:**
- PROPOSED
 - - - EXISTING
 - - - RAILROAD R.O.W. & PROPERTY LINE
 - PROPOSED CHAINLINK FENCE

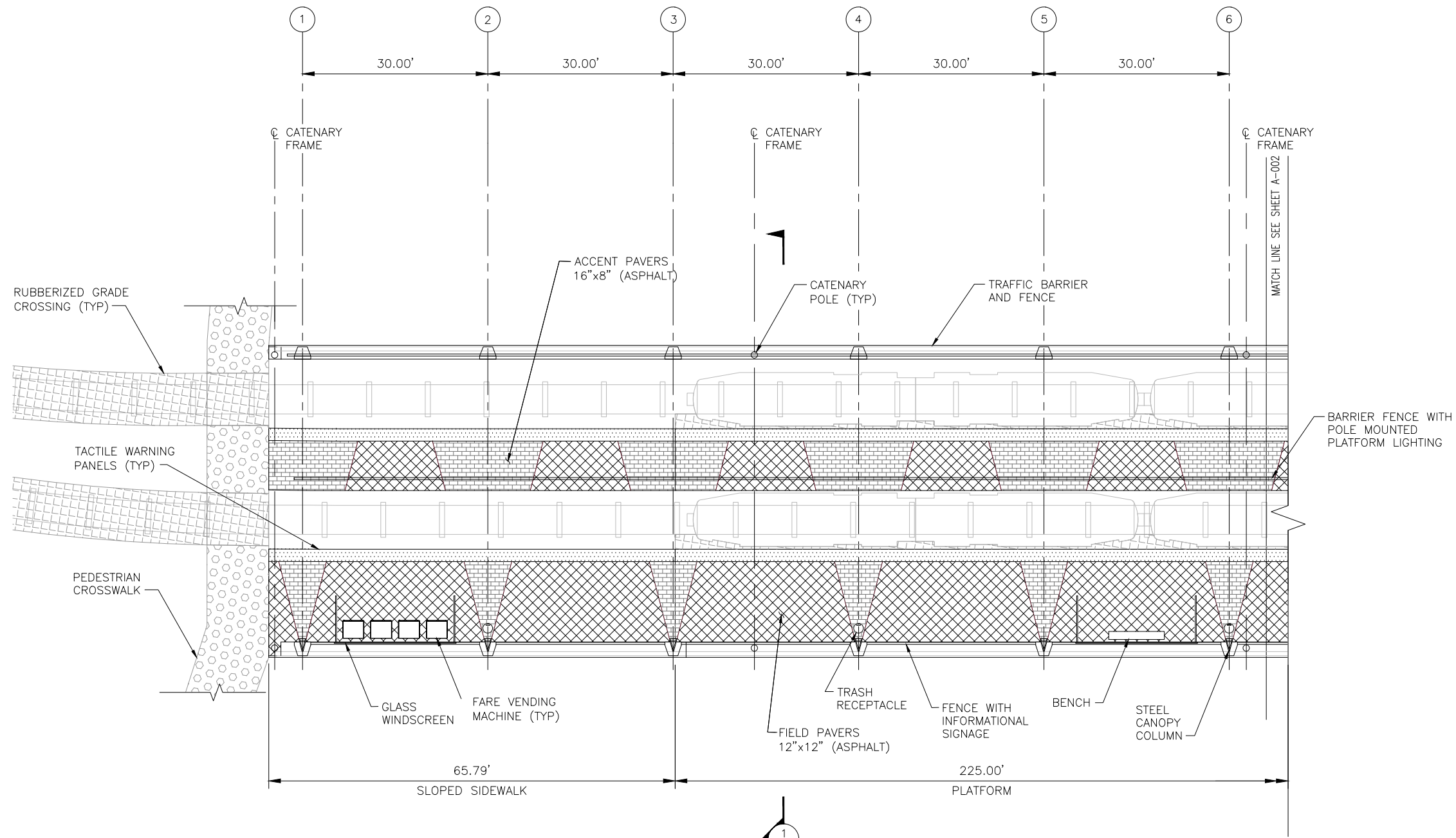


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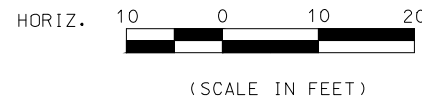
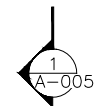
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BOSTON COLLEGE STATION INBOUND TRACK PROFILE SHEET 2 OF 2		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY	
APPROVED BY:		Project Manager: _____ Date: _____	
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DATE: 8-08-2012		PJC KMG XXX	
PLAN NO. _____		SHEET T-09	
ISSUE _____		ISSUE _____	

JACOBS
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 PLOT DATE: Aug 08, 2012 - 3:29pm



WEST PLATFORM PLAN
 SCALE: 1" = 10'-0"



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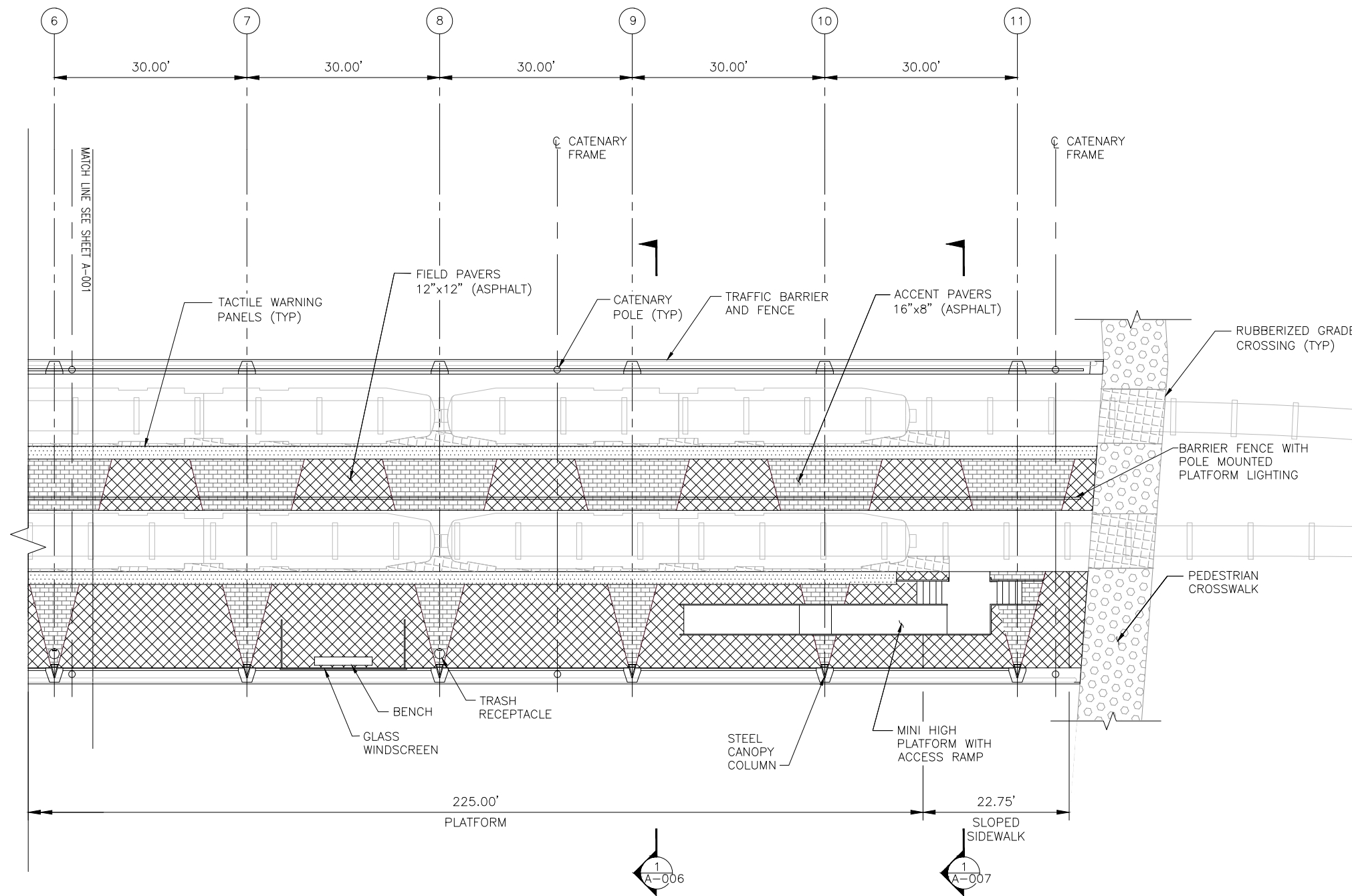
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 BOSTON COLLEGE
 STATION DESIGN PROJECT
 CONTRACT NO. XXXXXXX

PLATFORM PLAN - WEST

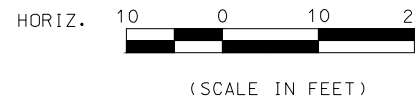
JACOBS <small>343 CONGRESS STREET BOSTON, MA 02210 OFFICE: 617-242-9222 FAX: 617-242-9824</small>		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY APPROVED BY: _____ Project Manager: _____ Date: _____	
PROJECT MANAGER Date: _____	DES. BY: _____ DR. BY: _____ CHK. BY: _____ DATE: 8-08-2012	RS KD XX	PLAN NO. _____ SHEET A-001

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 617-428-0406

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 PLOT DATE: Aug 08, 2012 - 3:29pm



EAST PLATFORM PLAN
 SCALE: 1" = 10'-0"



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MASSACHUSETTS BAY TRANSPORTATION AUTHORITY
T
 BOSTON COLLEGE
 STATION DESIGN PROJECT
 CONTRACT NO. XXXXXXX

PLATFORM PLAN - EAST

JACOBS 343 CONGRESS STREET
 BOSTON, MA 02210
 OFFICE: 617-242-9222
 FAX: 617-242-9824

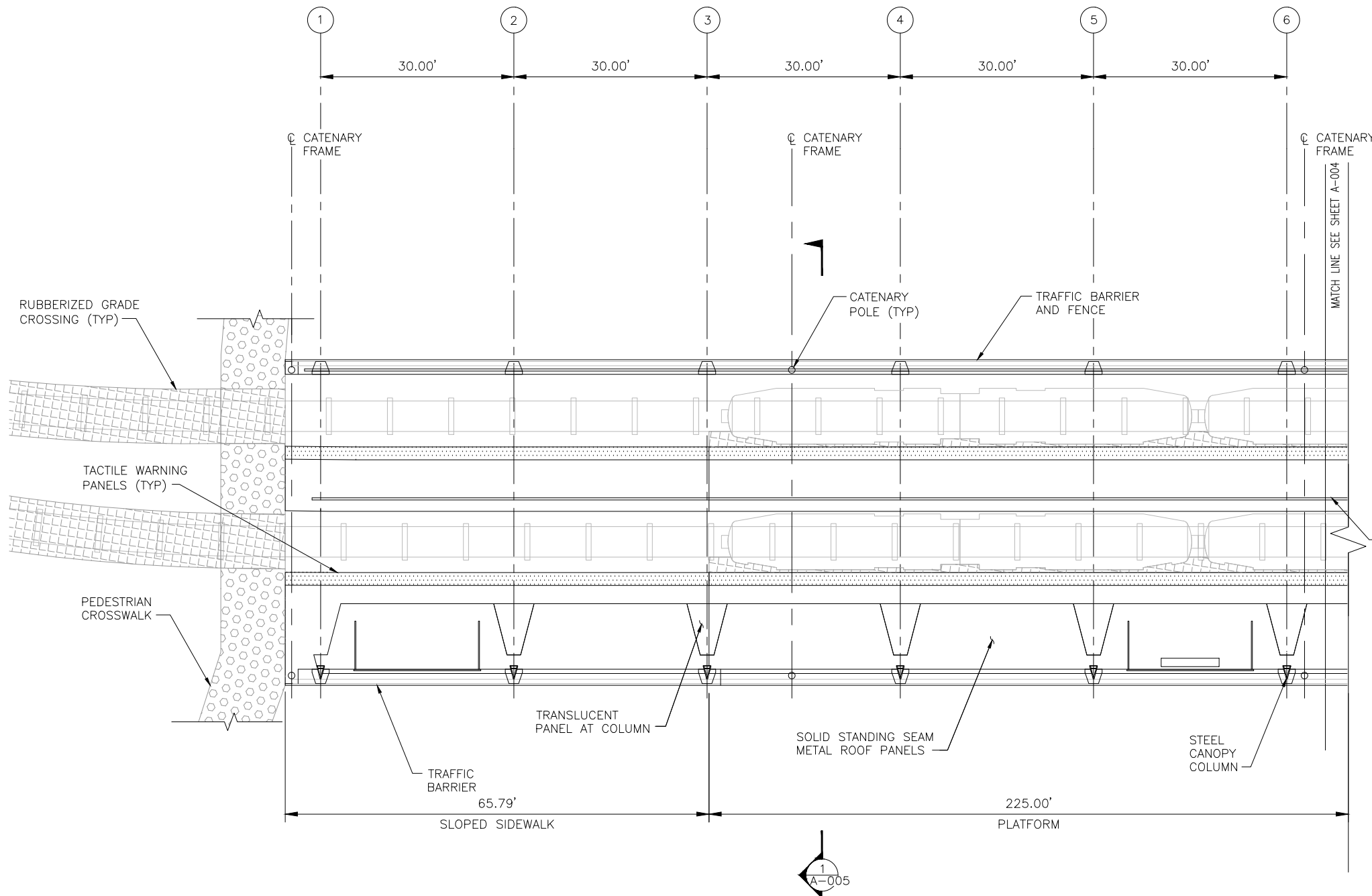
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 APPROVED BY:

ISSUE	DATE	DESCRIPTION	BY	CHKD.	APP.

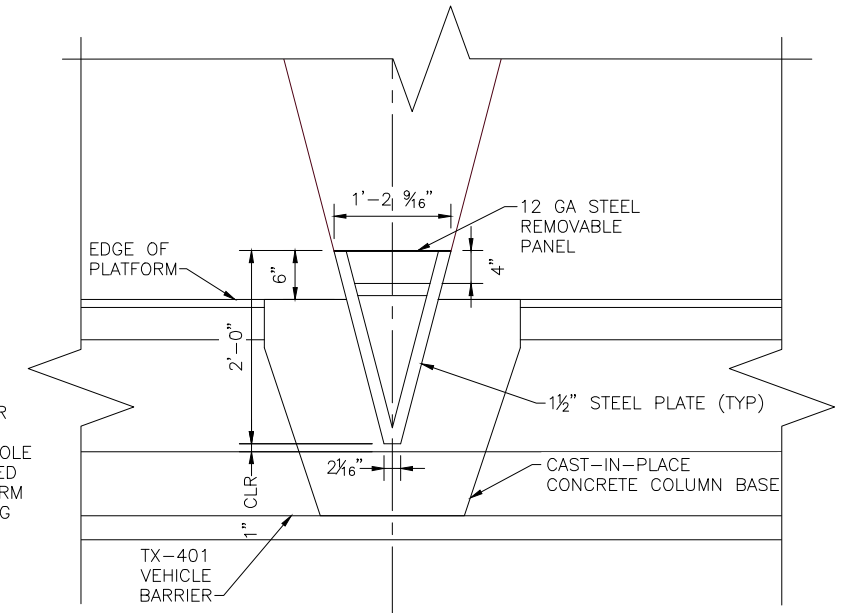
PROJECT MANAGER	Date	Project Manager:	Date
Horiz. 1"=10'-0"	DES. BY	DR. BY	CHK. BY
Vert. N/A	RS	KD	XX
DATE: 8-08-2012	SHEET		A-002

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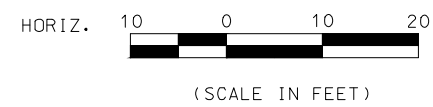


WEST CANOPY PLAN
 SCALE: 1" = 10'-0"



DETAIL TYPICAL CANOPY COLUMN
 SCALE: 1" = 1'-0"

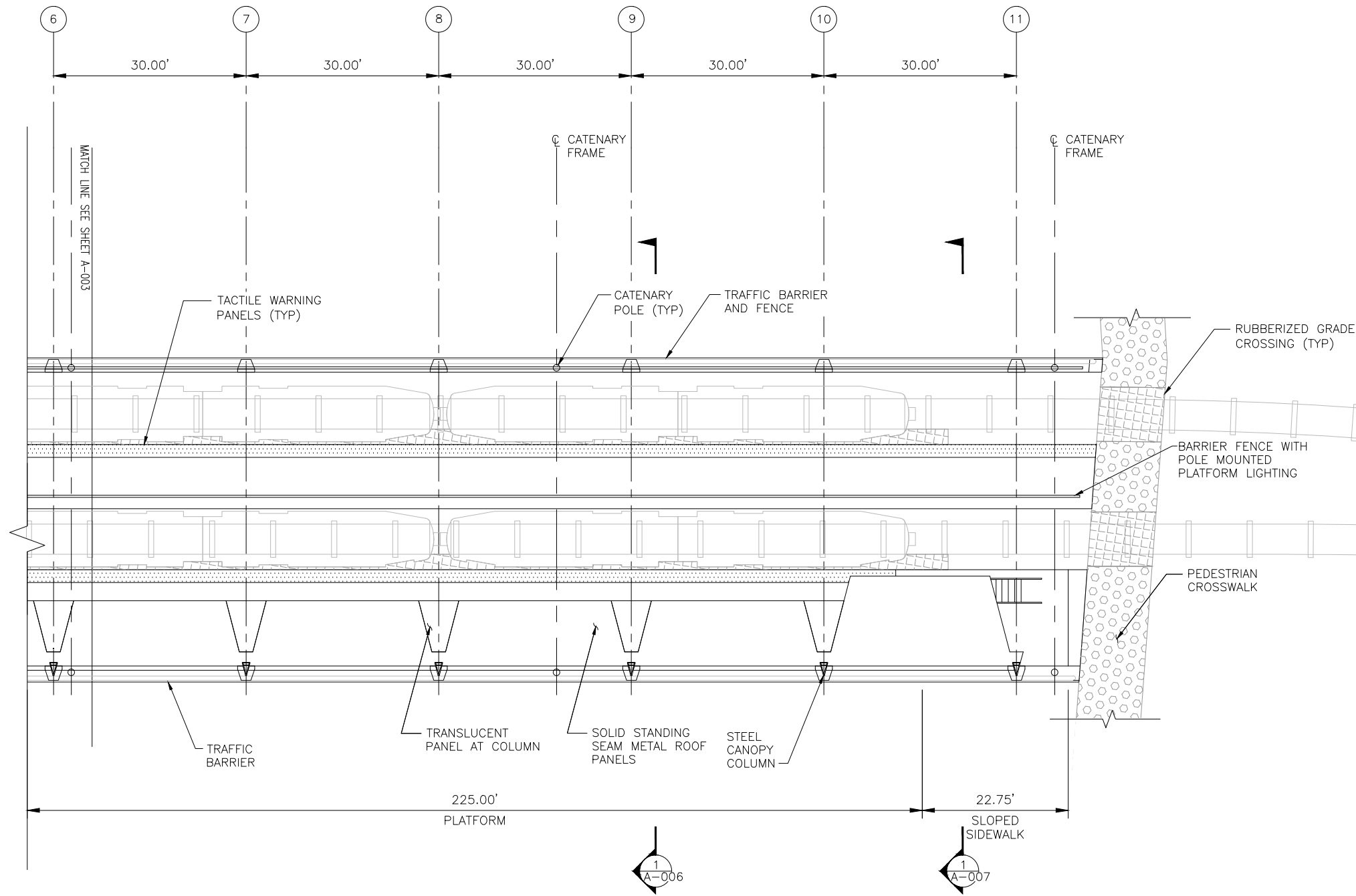
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 NOT FOR CONSTRUCTION



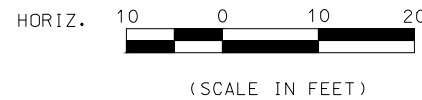
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CANOPY PLAN - WEST			
JACOBS 343 CONGRESS STREET BOSTON, MA 02210 OFFICE: 617-242-9222 FAX: 617-242-9824		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY APPROVED BY: _____ Project Manager: _____ Date: _____	
PROJECT MANAGER Date: _____	PROJECT MANAGER Date: _____	DES. BY: RS DR. BY: KD CHK. BY: XX	PLAN NO. SHEET A-003
DATE: 8-08-2012	HORIZ. 1" = 10'-0" Vert. N/A	DATE: 8-08-2012	SHEET A-003

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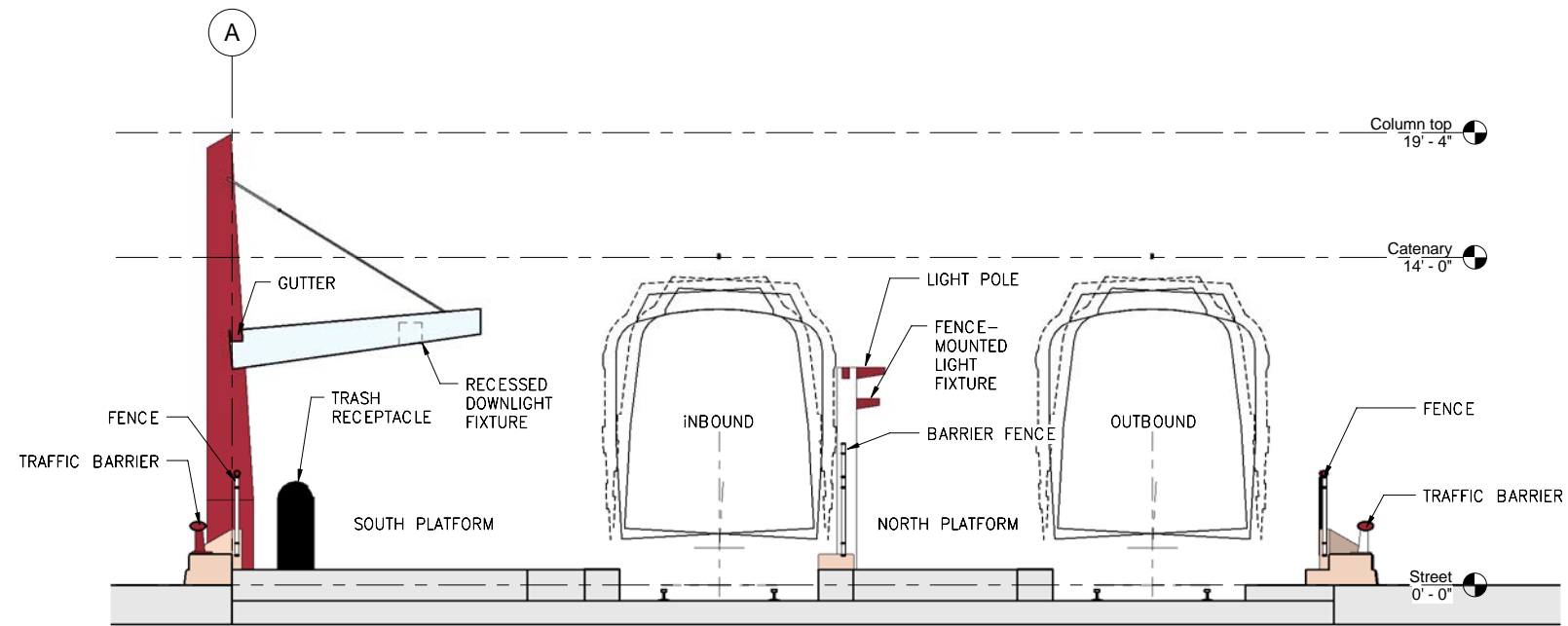
EAST CANOPY PLAN
 SCALE: 1" = 10'-0"



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T		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY	
		BOSTON COLLEGE STATION DESIGN PROJECT CONTRACT NO. XXXXXXX	
CANOPY PLAN - EAST			
JACOBS		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY	
PROJECT MANAGER		APPROVED BY:	
Date		Project Manager: Date	
Horiz. 1"=10'-0"		PLAN NO.	
Vert. N/A		SHEET A-004	
DATE: 8-08-2012		RS KD XX	

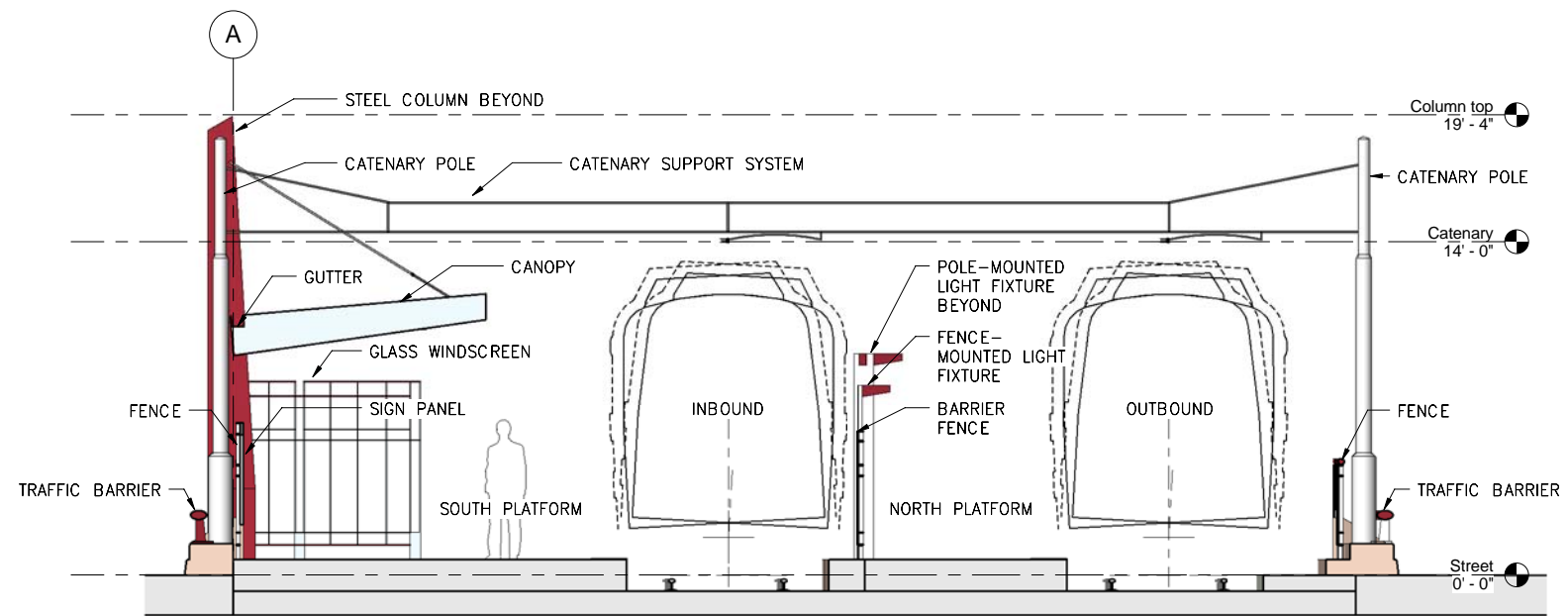
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Cross Section - Typical			
		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY APPROVED BY: _____ Project Manager: _____ Date: _____	
PROJECT MANAGER: _____ Date: _____	DES. BY: _____ CHK. BY: _____	DATE: 08.08.2012	PLAN NO. _____ SHEET A-005
		343 CONGRESS STREET BOSTON, MA 02210 OFFICE: 617-242-8222 FAX: 617-242-9824 33 JAI Foreworth Street - Boston - MA - 02210 617-426-0406	



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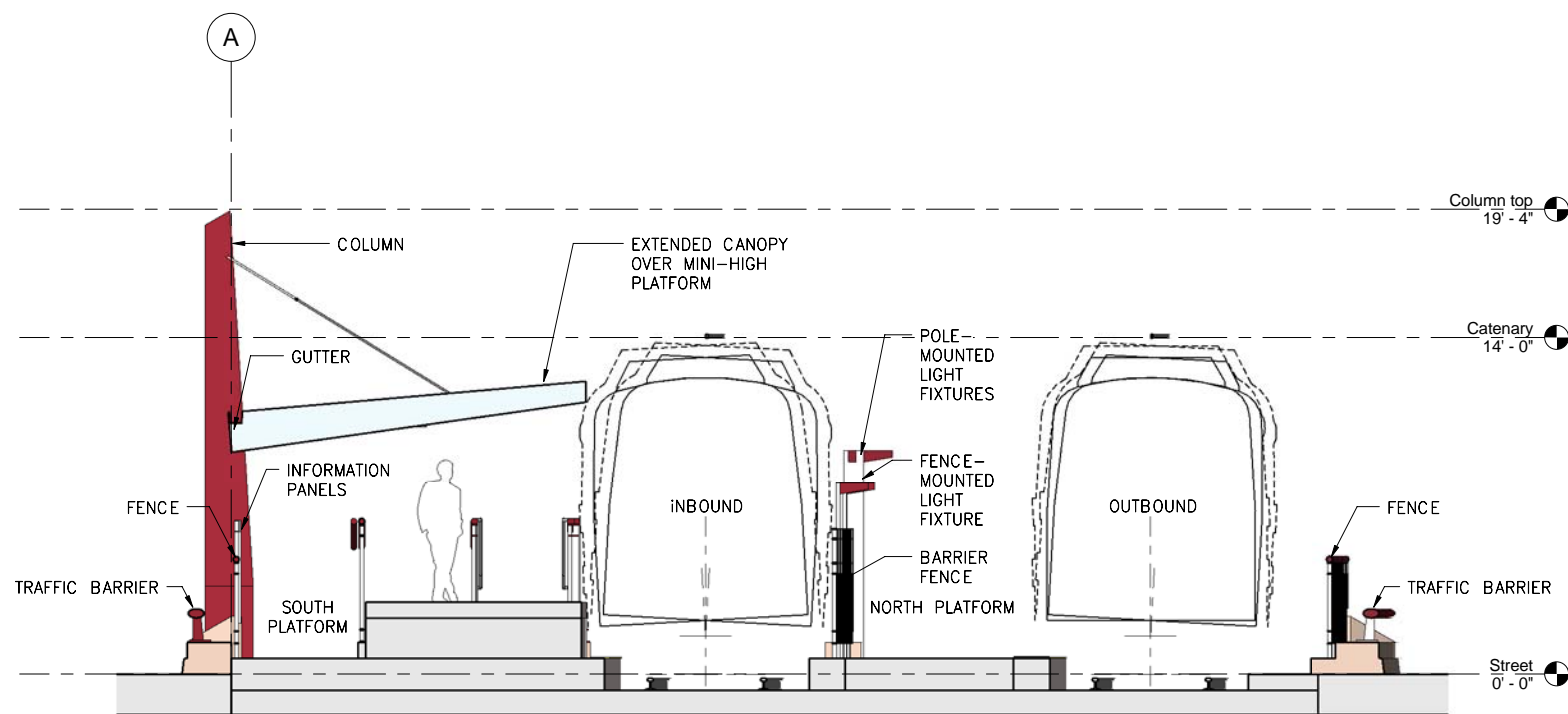
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T	MASSACHUSETTS BAY TRANSPORTATION AUTHORITY BOSTON COLLEGE STATION DESIGN PROJECT CONTRACT NO. XXXXXXXX
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Cross Section - Windscreen

JACOBS		<small>343 CONGRESS STREET BOSTON, MA 02210 OFFICE: 617-242-8222 FAX: 617-242-8824</small>		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY APPROVED BY: _____ <small>Project Manager: _____ Date: _____</small>	
<small>DATE</small>	<small>DATE</small>	<small>DESCRIPTION</small>	<small>BY</small>	<small>CHK. BY</small>	<small>APP.</small>
<small>DATE: 08.08.2012</small>		Stull and Lee Incorporated <small>architecture-planning</small> <small>33.41 Fenwick Street - Boston - MA - 02210 617-425-0406</small>		<small>DES. BY</small>	<small>CHK. BY</small>
<small>Horiz. 1/4" = 1'-0"</small>		<small>Vert. 1/4" = 1'-0"</small>		<small>PLAN NO.</small>	
<small>DATE: 08.08.2012</small>		<small>DATE: 08.08.2012</small>		<small>SHEET A-006</small>	

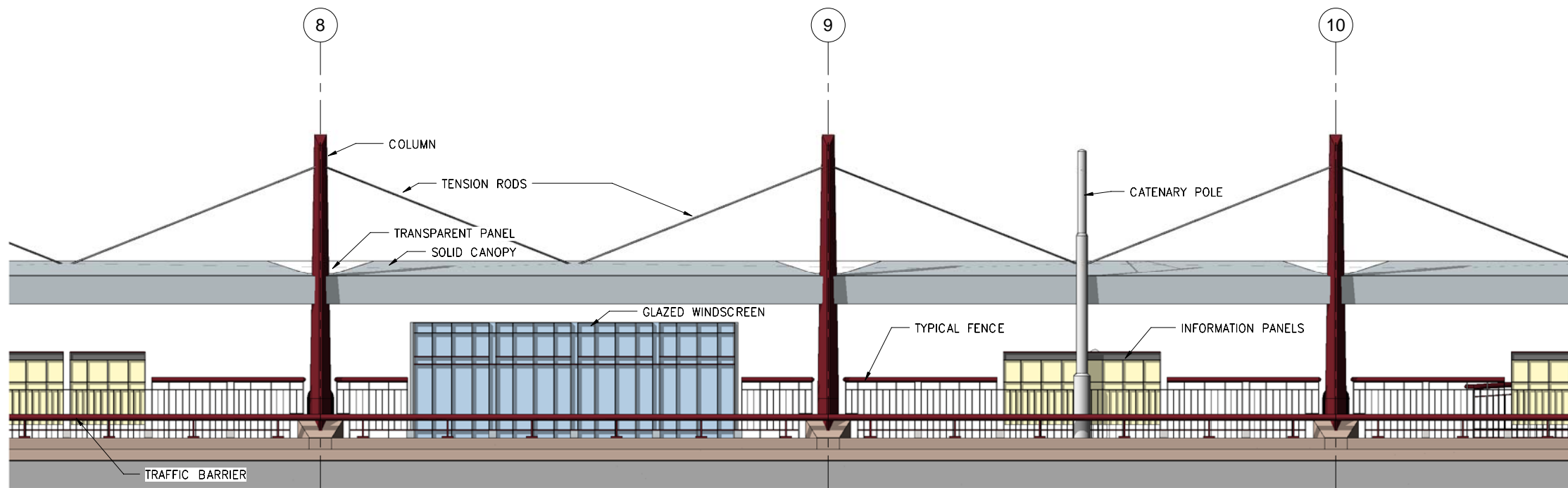




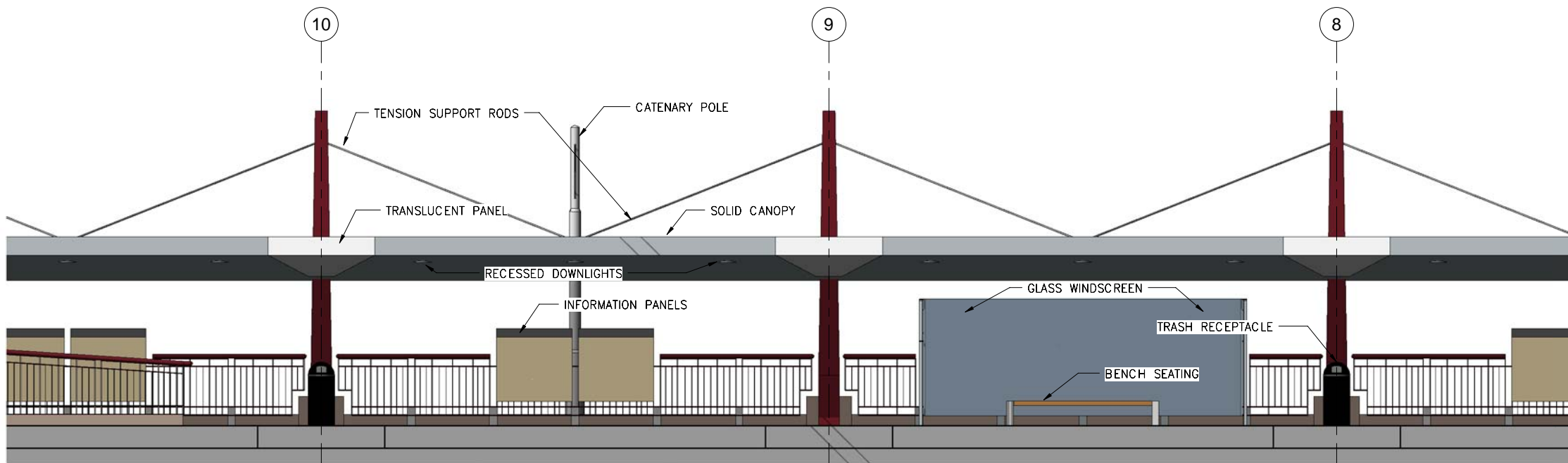
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T	MASSACHUSETTS BAY TRANSPORTATION AUTHORITY BOSTON COLLEGE STATION DESIGN PROJECT CONTRACT NO. XXXXXXX	
Cross section - Mini High		
JACOBS <small>343 CONGRESS STREET BOSTON, MA 02210 OFFICE: 617-242-8222 FAX: 617-242-9824</small>	MASSACHUSETTS BAY TRANSPORTATION AUTHORITY APPROVED BY: _____ Project Manager: _____ Date: _____	
Stull and Lee Incorporated <small>architecture-planning</small> <small>33.41 Foremarsh Street - Boston - MA - 02210 617-426-0406</small>	PROJECT MANAGER _____ Date _____ Horiz. 1/4" = 1'-0" Vert. 1/4" = 1'-0" DATE: 08.08.2012	PLAN NO. _____ SHEET A-007 ISSUE



① SOUTH PLATFORM STREET ELEVATION
1/4" = 1'-0"



② SOUTH PLATFORM INSIDE ELEVATION
1/4" = 1'-0"

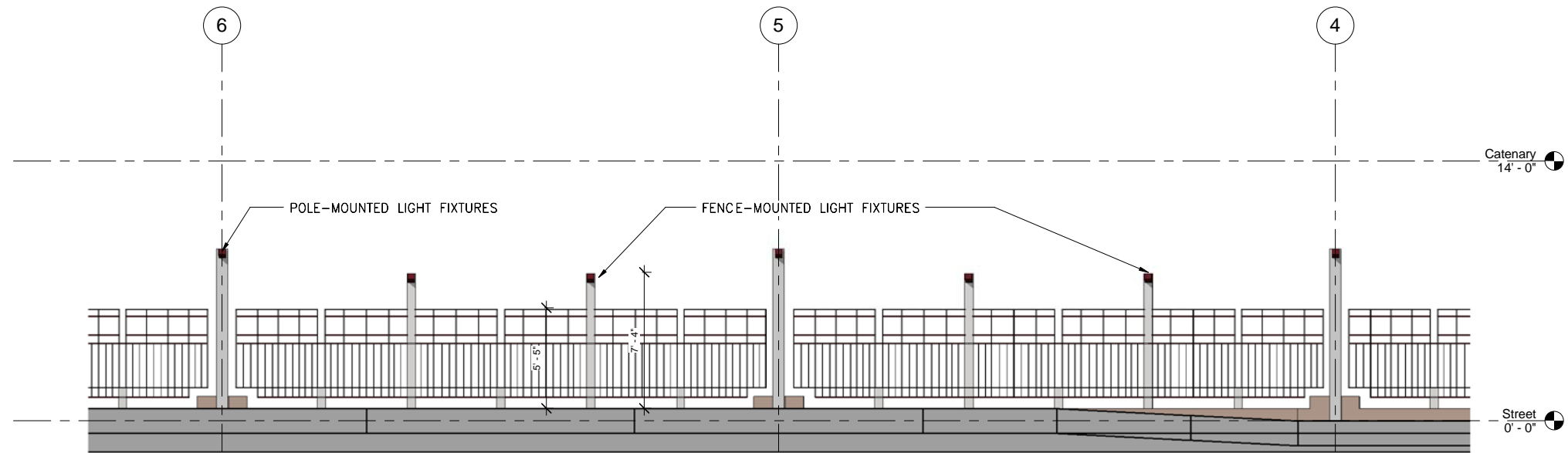
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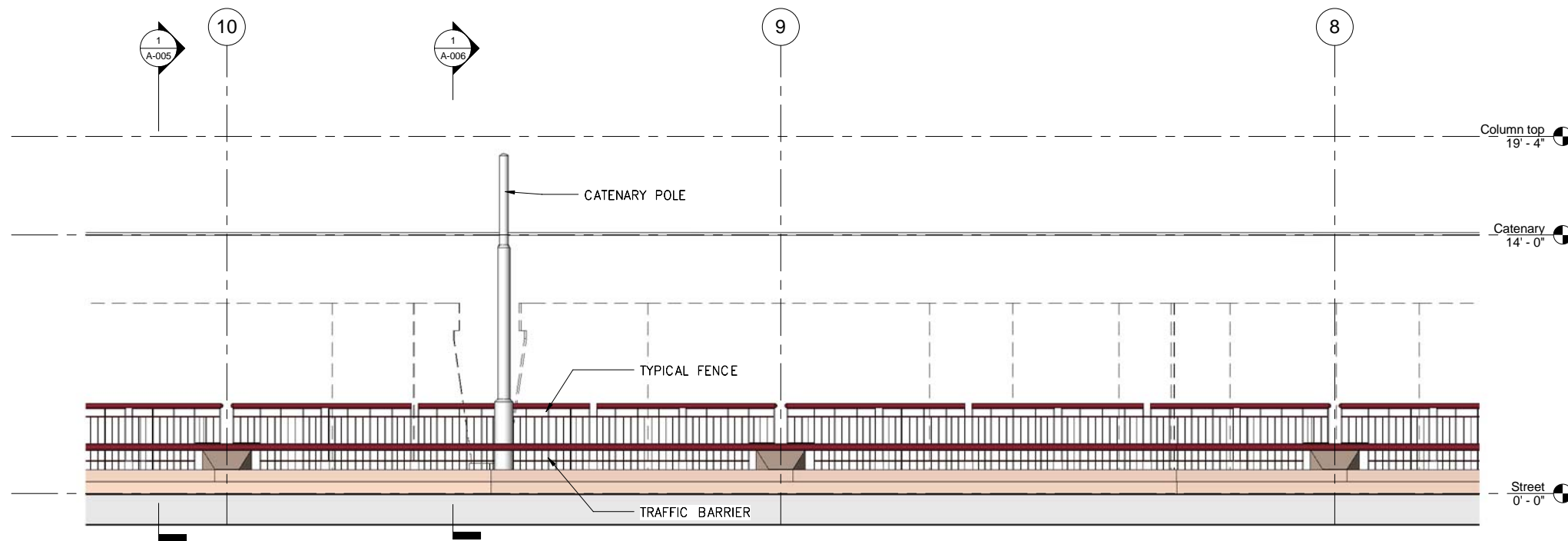
NO.	DATE	DESCRIPTION	BY	CHKD.	APP.

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33.41 Fenwick Street - Boston - MA - 02210
617-426-0406

T	MASSACHUSETTS BAY TRANSPORTATION AUTHORITY	
	BOSTON COLLEGE STATION DESIGN PROJECT CONTRACT NO. XXXXXXX	
SOUTH PLATFORM PARTIAL ELEVATIONS		
JACOBS	MASSACHUSETTS BAY TRANSPORTATION AUTHORITY	
	APPROVED BY: _____ Project Manager: _____ Date: _____	
PROJECT MANAGER	DATE	
Horiz. 1/4" = 1'-0"	DES. BY	
Vert. 1/4" = 1'-0"	DR. BY	
DATE: 08.08.2012	CHK. BY	
PLAN NO.	ISSUE	
SHEET A-008	○	



③ NORTH PLATFORM SOUTH ELEVATION
1/4" = 1'-0"

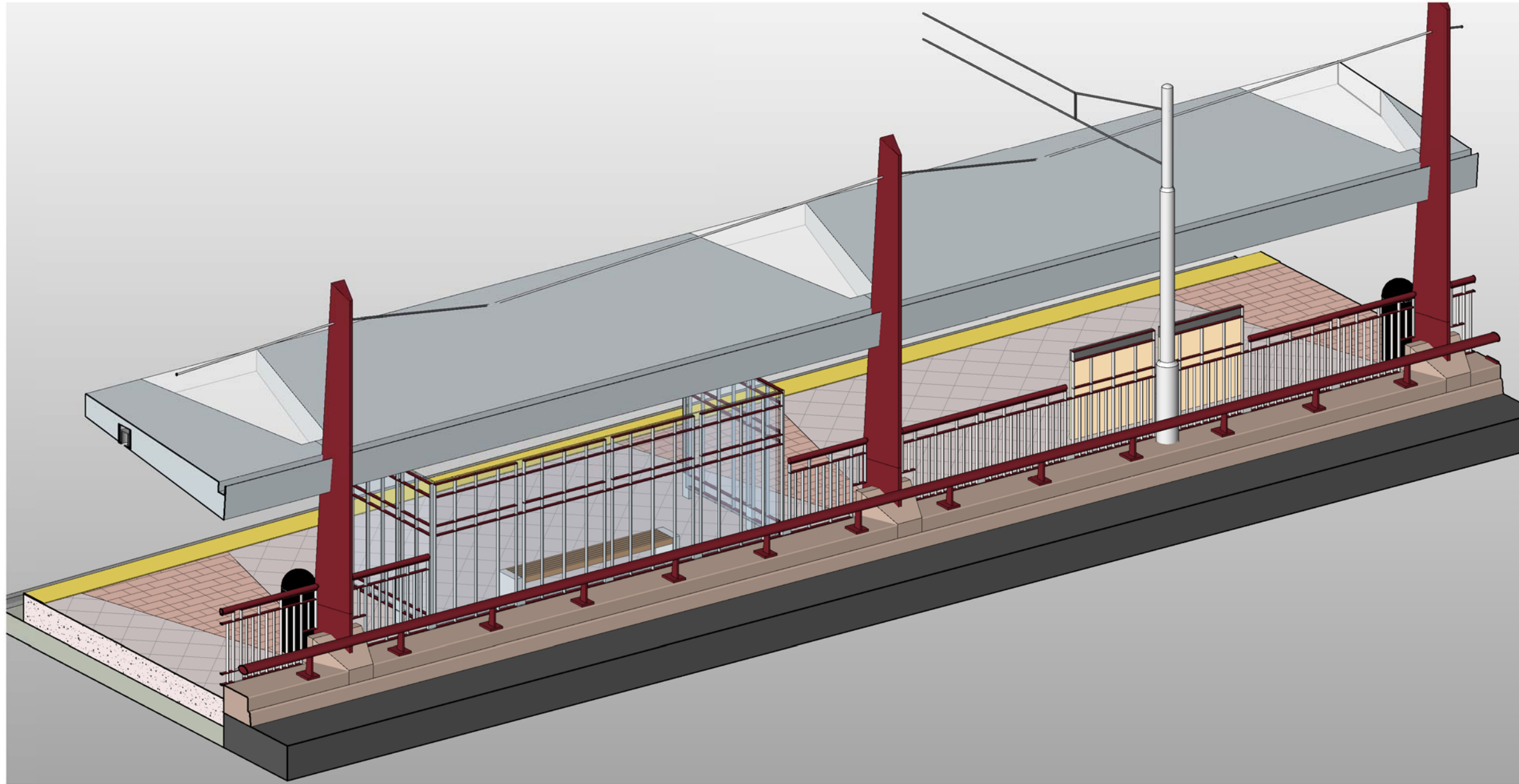


② NORTH ELEVATION FROM COMM. AVE.
1/4" = 1'-0"

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		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY BOSTON COLLEGE STATION DESIGN PROJECT CONTRACT NO. XXXXXXXX	
		NORTH PLATFORM PARTIAL ELEVATIONS	
		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY APPROVED BY: _____ Project Manager: _____ Date: _____	
		PROJECT MANAGER: _____ Date: _____	
Stull and Lee Incorporated architecture-planning <small>33.41 Fenwick Street - Boston - MA - 02210 617-426-0406</small>		Horiz. 1/4" = 1'-0" Vert. 1/4" = 1'-0" DATE: 08.08.2012	PLAN NO. _____ SHEET A-009



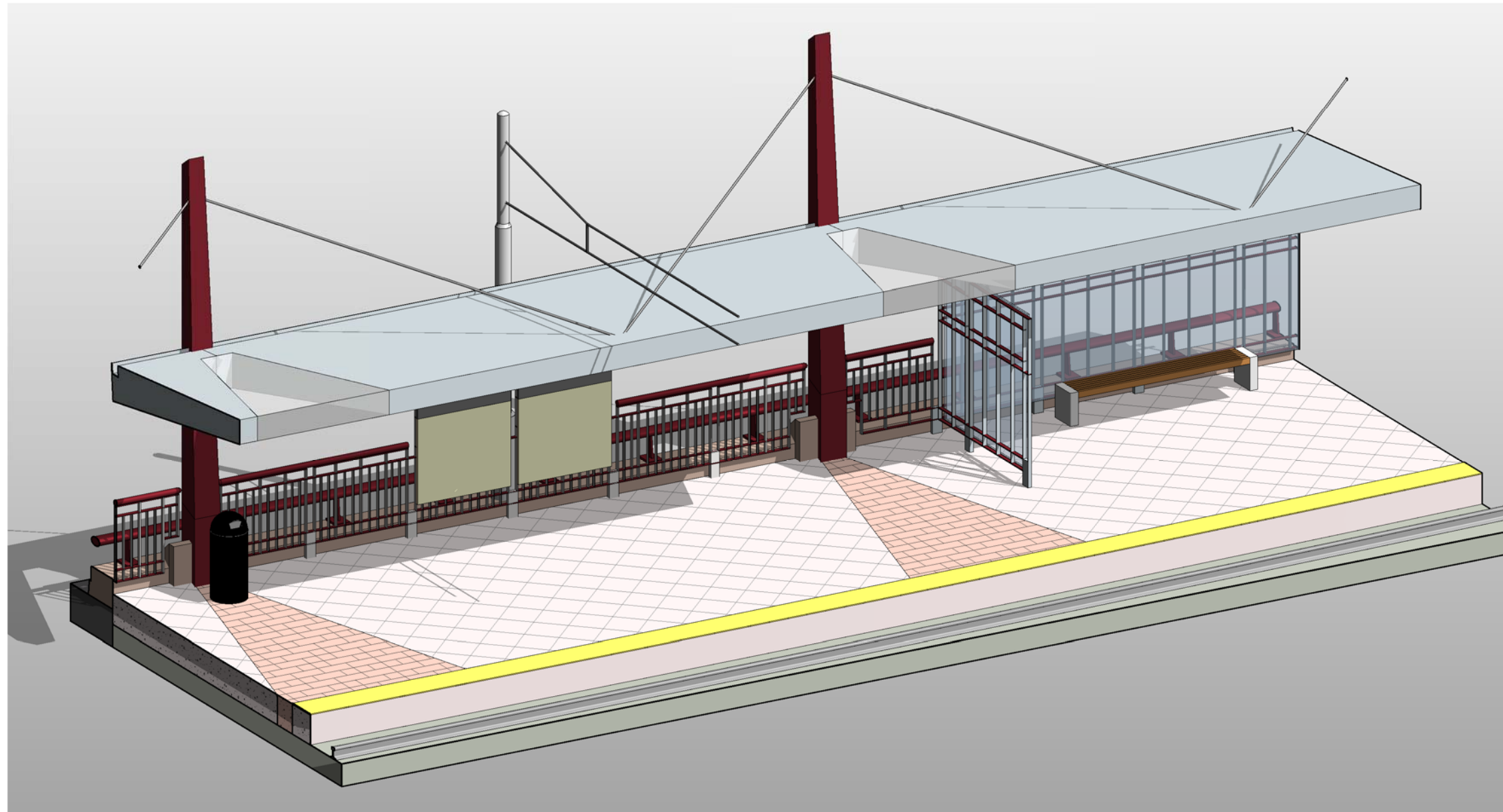
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CODE	DATE	DESCRIPTION	BY	CHKD.	APP.



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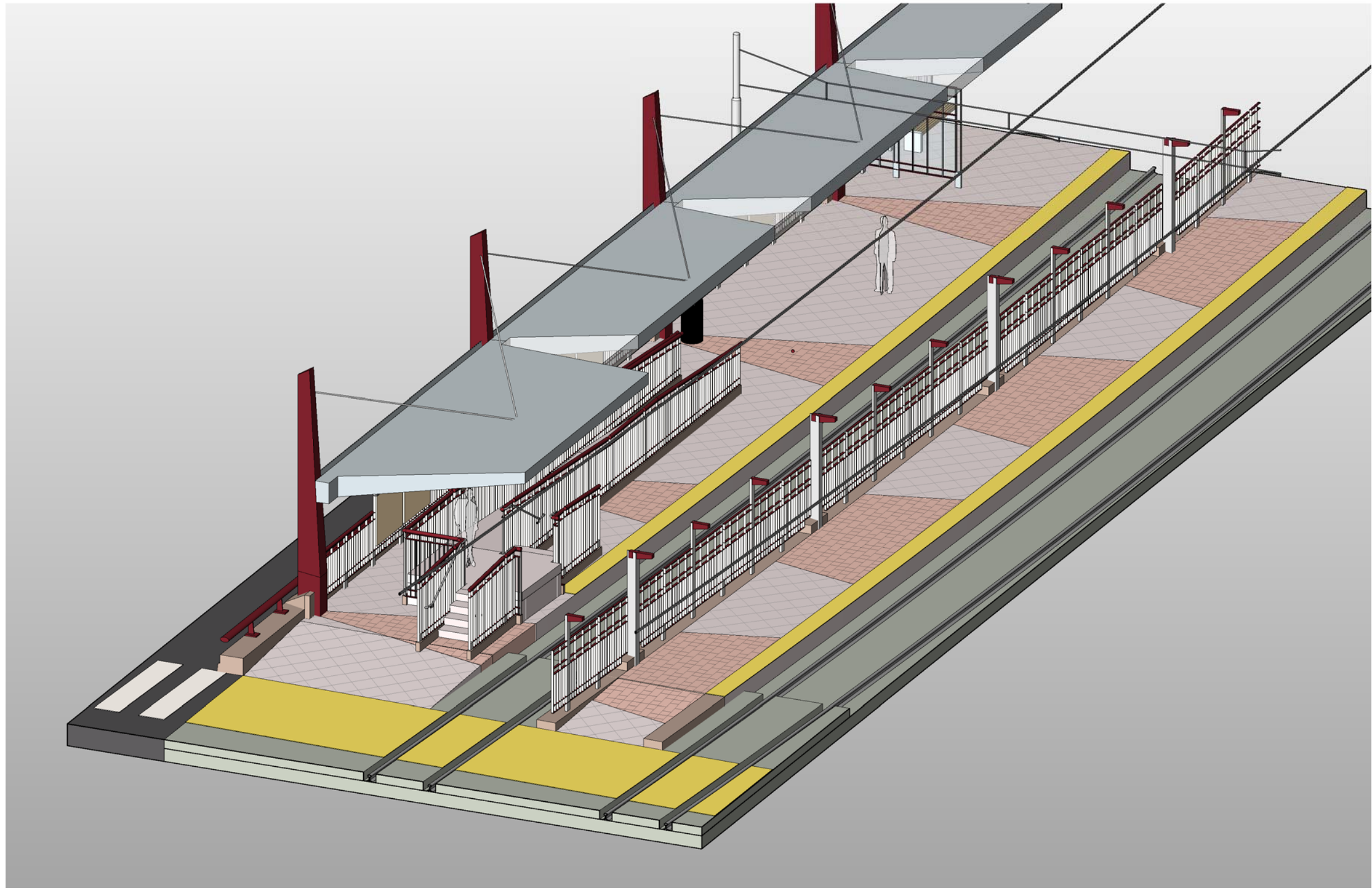
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SOUTH PLATFORM DETAIL ISOMETRIC - STREET	
JACOBS 343 CONGRESS STREET BOSTON, MA 02210 OFFICE: 617-242-8222 FAX: 617-242-9824	
MASSACHUSETTS BAY TRANSPORTATION AUTHORITY APPROVED BY: _____ Project Manager: _____ Date: _____	
PROJECT MANAGER: _____ DATE: 08.08.2012	PLAN NO. _____ SHEET A-010
Horiz. _____ Vert. _____	DES. BY: _____ DR. BY: _____ CHK. BY: _____
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		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY BOSTON COLLEGE STATION DESIGN PROJECT CONTRACT NO. XXXXXXX	
SOUTH PLATFORM DETAIL ISOMETRIC - INSIDE			
		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY APPROVED BY: _____ Project Manager: _____ Date: _____	
Stull and Lee Incorporated architecture-planning <small>33.41 Fenwick Street - Boston - MA - 02210 617-426-0406</small>		PROJECT MANAGER: _____ Date: _____ Horiz. _____ DES. BY: _____ DR. BY: _____ CHK. BY: _____ Vert. _____ DATE: 08.08.2012	
		PLAN NO. _____ SHEET A-011	
		ISSUE 	



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15% SUBMITTAL
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		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY BOSTON COLLEGE STATION DESIGN PROJECT CONTRACT NO. XXXXXXX							
ISOMETRIC DETAIL - MINI HIGH AND NORTH PLATFORM									
		343 CONGRESS STREET BOSTON, MA 02210 OFFICE: 617-242-8222 FAX: 617-242-9824							
PROJECT MANAGER: _____ Date: _____		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY APPROVED BY: _____ Project Manager: _____ Date: _____							
DES. BY: _____ CHK. BY: _____ DATE: 08.08.2012	DES. BY: _____ CHK. BY: _____	DES. BY: _____ CHK. BY: _____	DES. BY: _____ CHK. BY: _____	DES. BY: _____ CHK. BY: _____	DES. BY: _____ CHK. BY: _____	DES. BY: _____ CHK. BY: _____	DES. BY: _____ CHK. BY: _____	DES. BY: _____ CHK. BY: _____	DES. BY: _____ CHK. BY: _____
Stull and Lee Incorporated architecture-planning <small>33.41 Fenwick Street - Boston - MA - 02210 617-426-0406</small>		PROJECT MANAGER: _____ Date: _____ PLAN NO. _____ SHEET A-012							

DRAWING INDEX:

- ET-01 DRAWING INDEX AND GENERAL NOTES
- ET-02 LEGEND AND ABBREVIATIONS
- ET-03 EXISTING PLAN AND MATERIAL ALLOCATION
- ET-04 PROPOSED PLAN AND MATERIAL ALLOCATION
- ET-05 EXISTING WIRING PROFILE (NOT INCLUDED IN 15%)
- ET-06 PROPOSED WIRING PROFILE (NOT INCLUDED IN 15%)
- ET-07 TROLLEY WIRE SCHEMATIC
- ET-08 TROLLEY WIRE PARTICULARS
- ET-09 TROLLEY WIRE ERECTION GRAPH
- ET-10 FEEDER WIRE PARTICULARS
- ET-11 SECTIONALIZATION PLAN (NOT INCLUDED IN 15%)
- ET-12 TYPICAL STRUCTURE CONFIGURATION
- ET-13 CANTILEVER ASSEMBLIES
- ET-14 CROSS SPAN ASSEMBLIES (NOT INCLUDED IN 15%)

GENERAL NOTES:

1. THE CONTRACTOR SHALL SET BARRIERS, WARNING LIGHTS, AND OTHER PROTECTIVE DEVICES THAT ARE NECESSARY, IN THE JUDGEMENT OF THE ENGINEER, FOR THE PROTECTION OF THE PUBLIC IN ACCORDANCE WITH MBTA STANDARDS.
2. EXISTING UTILITY LINES INDICATED OR NOTED ON THESE DRAWINGS ARE SHOWN AS OBTAINED FROM EXISTING INFORMATION AND ARE ONLY APPROXIMATE IN LOCATION. EXISTING UTILITIES OTHER THAN THOSE INDICATED ON THESE DRAWINGS MAY BE ON THE SITE. THE CONTRACTOR IS WARNED TO PROCEED WITH CAUTION WITH ALL WORK, ESPECIALLY EXCAVATION WORK. THE CONTRACTOR IS TO MAKE ALL POSSIBLE INVESTIGATIONS AS TO POSSIBLE UNMARKED UTILITY LINES, BEFORE DESIGNING, EXCAVATING, BLASTING, INSTALLING, BACKFILLING, GRADING, PAVEMENT RESTORATION, OR REPAIRING. ALL UTILITY COMPANIES, PUBLIC AND PRIVATE, MUST BE NOTIFIED, INCLUDING THOSE IN CONTROL OF UTILITIES NOT SHOWN ON THE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES OMITTED OR INACCURATELY SHOWN. CONTRACTOR SHALL NOTIFY DIG-SAFE AT LEAST 72 BUSINESS HOURS BEFORE ANY CONSTRUCTION BEGINS AT 1-888-344-7233.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LEASING OR OTHERWISE OBTAINING TEMPORARY RIGHTS TO LANDS NECESSARY FOR AREAS OF CONSTRUCTION STAGING AND/OR STORING CONSTRUCTION MATERIALS AND EQUIPMENT.
4. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE APPROPRIATE AGENCIES OF THE CITY OF BOSTON AND SHALL AVOID CONSTRUCTION RELATED IMPACTS TO THE ADJACENT AND ADJOINING AREAS.
5. CONTRACTOR WILL NOT BE ALLOWED TO WORK WITHIN THE "FOUL" AREA OF THE RAILROAD (10 FEET FROM THE CENTERLINE OF TRACK) WITHOUT FIRST OBTAINING ROADWAY WORKER PROTECTION (RWP) SAFETY TRAINING, FOR ALL PERSONS PLANNING ON WORKING WITHIN THE MBTA RIGHT OF WAY. CONTRACTOR SHALL COORDINATE FLAGGING PROTECTION FROM THE OPERATING RAILROAD. THE CONTRACTOR SHALL ALSO COORDINATE AND COMPLY WITH MBTA RAILROAD OPERATIONS, WORK REQUIREMENTS, AND RESTRICTIONS.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE LOCAL UTILITY COMPANIES FOR RELOCATION OF THEIR FACILITIES AS REQUIRED FOR THE CONSTRUCTION.
7. ADDITIONAL NOTES WILL BE INDICATED ON THE VARIOUS CIVIL, ARCHITECTURAL, STRUCTURAL, ELECTRICAL, TRACK AND STATION COMMUNICATIONS PLANS INCLUDED IN SUBSEQUENT STATION CONTRACT DRAWING SUBMITTALS.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY STATE AND LOCAL PERMITS (INCLUDING INSPECTIONS AND SIGN-OFFS FROM APPLICABLE CITY DEPARTMENTS) FOR THE CONSTRUCTION OF BOSTON COLLEGE STATION.
9. THE CONTRACTOR SHALL USE REASONABLE AND ACCEPTABLE INDUSTRY PRACTICES AND CONSTRUCTION PROCEDURES, AND FOLLOW RECOMMENDED MANUFACTURER PROCEDURES DURING THE CATENARY INSTALLATION.
10. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS NECESSARY FOR CONSTRUCTION PRIOR TO COMMENCING FABRICATION AND INSTALLATION.
11. BEFORE COMMENCEMENT OF WORK THE CONTRACTOR SHALL ESTABLISH THE EXACT SEQUENCE AND PROCEDURES TO BE UTILIZED BASED ON MANPOWER, EQUIPMENT MATERIAL AND TRACK AVAILABILITY AND SUBMIT A PLAN OF CONSTRUCTION.

FILE NAME: P:\ET Directory\Boston College Green Line Station\Drawings\CAD\15% Sheet Files\ ET 01 - Drawing Index and General Notes.dwg
PLOT DATE: Aug 08, 2012 - 9:23am

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		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY BOSTON COLLEGE STATION DESIGN PROJECT CONTRACT NO. XXXXXXXX			
		OVERHEAD CATENARY SYSTEM DRAWING INDEX AND GENERAL NOTES			
		343 CONGRESS STREET BOSTON, MA 02210 OFFICE: 617-242-9222 FAX: 617-242-9624		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY APPROVED BY: _____ Date: _____ Project Manager: _____ Date: _____	
		PROJECT MANAGER _____ Date _____		PROJECT MANAGER _____ Date _____	
Horiz. NONE	DES. BY	DR. BY	CHK. BY	PLAN NO.	ISSUE
Vert. NONE	WK	WK	TF	SHEET ET-01	
DATE: 8-08-2012					

FILE NAME: P:\ET Directory\Boston College Green Line Station\Drawings\CAD\15% Sheet Files\ET_02 - Legend and Abbreviations.dwg
 PLOT DATE: Aug 08, 2012 - 9:25am

LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	CANTILEVER CENTER POLE		GAS VALVE
	CANTILEVER SIDE POLE		GAS METER
	CATENARY WIRE TERMINATION ASSEMBLY		WATER VALVE
	DISCONNECT SWITCH		HYDRANT
	ELASTIC ARM OCS SUPPORT		WATER METER
	EXISTING POLE/NUMBER		CURB STOP
	FEEDER TAP		DRAINAGE MH
	JUMPER IN-SPAN		CURB INLET
	JUMPER FULL FEEDING		LAWN INLET
	JUMPER POTENTIAL EQU.		SANITARY MH
	KNUCKLE INSULATED		CLEANOUT
	KNUCKLE UNINSULATED		BOLLARD
	SPLICE 4/0 TO 4/0		SIGN
	SPLICE 4/0 TO 2/0		LIGHT
	OCS IN-RIDING		MAIL BOX
	OCS OUT OF RIDING		GUY WIRE
	POLE GUY TO SCREW ANCHOR		UTILITY POLE
	POLE GUY TO CONCRETE ANCHOR		ELECTRIC MH
	PULL OFF POLE		CONIFEROUS TREE
	SECTION INSULATOR (PLAN)		DECIDUOUS TREE
	SECTION INSULATOR (SCHEMATIC)		CONTOUR
	SECTION BREAK (INSULATED OVERLAP)		FENCE
	TENSION REDUCER		GATE POST
	WIRE STAGGER & DIRECTION		WATER LINE
	TROLLEY WIRE RUN		GAS LINE
			ELECTRIC LINE
			SANITARY LINE
			OVERHEAD WIRES

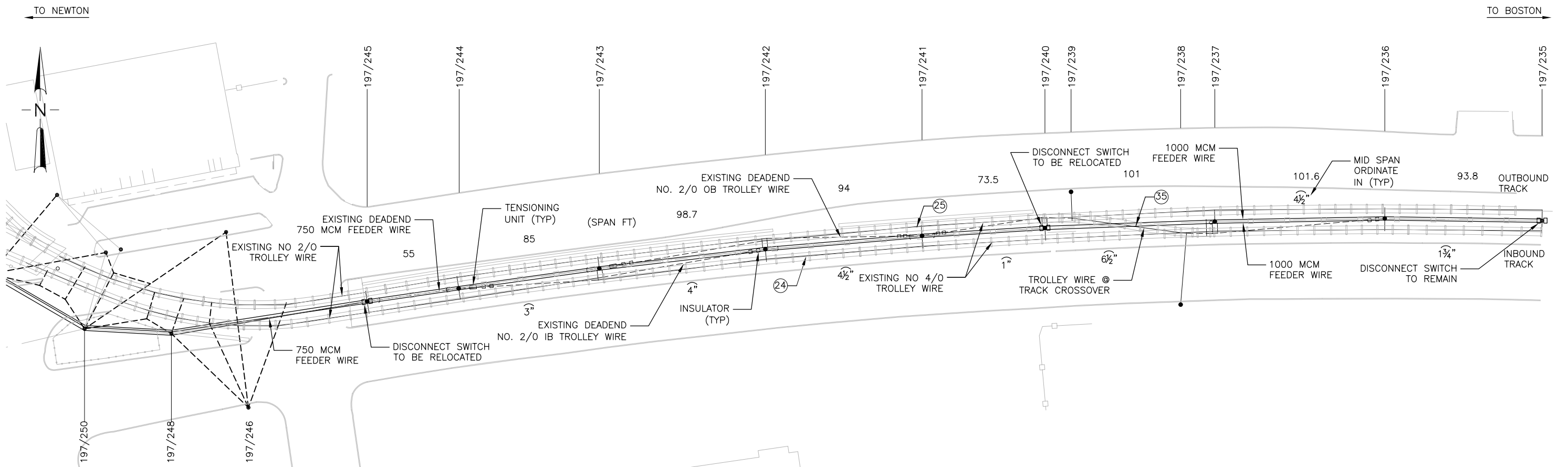
ABBREVIATIONS

APPROX	APPROXIMATELY	MCM	1,000 CIRCULAR MILLS
ASSY	ASSEMBLY	MOD.	MODIFICATION
ATT	ATTACHMENT	MIN	MINIMUM
@	AT	MPH	MILES PER HOUR
&	AND	NO. - #	NUMBER
AUX	AUXILIARY	NOM	NOMINAL
AWG	AMERICAN WIRE GAUGE	NTS	NOT TO SCALE
BOS	BOTTOM OF STEEL	N/O	NORMALLY OPEN
BR	BRIDGE	N/C	NORMALLY CLOSED
BZ	BRONZE	OC	ON CENTER
CL	CENTER LINE	O.H.B.	OVERHEAD BRIDGE
CANT	CANTILEVER	OH - O/H	OVERHEAD
CAT	CATENARY	OOR	OUT OF RUNNING
CLR	CLEARANCE	PL - PL	PLATE
CS	CURVE TO SPIRAL	±, +/-	PLUS OR MINUS
X/O	CROSS OVER	PC	POINT OF CURVE
CU	COPPER	PO	POINT OPENING
*F	DEGREES FARENHEIT	PS	POINT OF SWITCH
D.E.	DEAD END	QTY	QUANTITY
DIA - ø	DIAMETER	R/R	RAILROAD
DIM	DIMENSION	R - RAD	RADIUS
DWG	DRAWING	REINF	REINFORCED
EA	EACH	REQ'D	REQUIRED
EHS	EXTRA HIGH STRENGTH	RH	RIGHT HAND
EL	ELEVATION	R.O.W.	RIGHT OF WAY
EX	EXISTING	RTE	ROUTE
FDN	FOUNDATION	SA	SCREW ANCHOR
FT	FEET	SC	SPIRAL TO CURVE
FT-LBS	FOOT POUNDS	(SIM)	SIMILAR
GALV.	GALVANIZED	SPEC	SPECIFICATION
GRD	GROUND	SQ IN	SQUARE INCH
GW	GUY WIRE	ST	SPIRAL TO TANGENT
HD	HARD DRAWN	STA	STATIONING
HRL	HIGH RAIL LEVEL	STR	STRUCTURE
HSSI	HIGH SPEED SECTION INSULATOR	SW	SWITCH
HT	HEIGHT	TBD	TO BE DETERMINED
IN.	INCH	TBR	TO BE REMOVED
KV	KILOVOLTS	TEMP	TEMPERATURE
L	SPAN LENGTH	TRK	TRACK
LB - lb - #	POUNDS	TS	TANGENT TO SPIRAL
LB/FT - lb/ft	POUNDS PER FOOT	TYP	TYPICAL
LB/SQ. IN. - PSI	POUNDS PER SQUARE INCH	TROL.	TROLLEY
LG	LENGTH	UDL	UNIFORM DISTRIBUTED LOAD
LH	LEFT HAND	U.O.N.	UNLESS OTHERWISE NOTED
MAX	MAXIMUM	VERT	VERTICAL
MBTA	MASSACHUSETTS BAY TRANSPORTATION AUTHORITY	W/	WITH
		WF	WIDE FLANGE

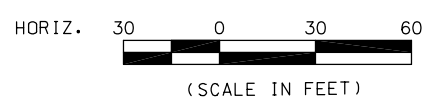
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	MASSACHUSETTS BAY TRANSPORTATION AUTHORITY	
	BOSTON COLLEGE STATION DESIGN PROJECT CONTRACT NO. XXXXXXX	
OVERHEAD CATENARY SYSTEM LEGEND AND ABBREVIATIONS		
JACOBS		343 CONGRESS STREET BOSTON, MA 02210 OFFICE: 617-242-9222 FAX: 617-242-9624
MASSACHUSETTS BAY TRANSPORTATION AUTHORITY		APPROVED BY: _____
PROJECT MANAGER	Date	Project Manager: _____ Date: _____
Horiz. NONE	DES. BY	DR. BY
Vert. NONE	CHK. BY	CHK. BY
DATE: 8-08-2012	WK	WK
	TF	TF
PLAN NO.	SHEET ET-02	
ISSUE	ISSUE	

POLE NO.		197/245		197/244		197/243		197/242		197/241		197/240		197/239		197/238		197/237		197/236		197/235		REMARKS	
POLE MBTA STYLE NO.																									
SPAN LENGTH		55'		85'		98.7'		94'		73.5'						101'		101.6'		93.8'					
TROLLEY WIRE HEIGHT		18.0'		18.0'		18.0'		18.0'		18.0'		18.0'		18.0'						18.0'				18.25'	
TROLLEY WIRE STAGGER (IN)		EXISTING		4R		0-R, 8R 1-L, 4R		0-R, 8R 1-L, 4R		4R		OR		CCA1		POA		8R		OR			8R		
CANTILEVER ASS'Y				FTA1		OCA1		OCA5		ACA1		XCA1		CCA1		POA		XCA1		ACA1			ACA1		
TROLLEY WIRE TERM. HEIGHT				18.75'		18.75'		18.75'		18.833'															
TROLLEY WIRE STAGGER Q (IN)																									
DOWN GUY ASS'Y				(2) DGA1		DGA1				(2) DGA1		DGA1													
ATTACHMENT HEIGHT				18.75'		18.75'		18.75'		18.75'															
CROSSOVER WIRE HEIGHT														18.0417'		18.0417'									
CROSSOVER WIRE STAGGER (IN)														8R		8L									
CROSSOVER WIRE TERM. HEIGHT										18.75'														18.5'	
IN SPAN MATERIAL						TDE3		TDE2		TDE1		TDE1								TDE1					
WOOD CROSSARM REPOSITION										WXA		WXA								WXA				WXA	
TAP CABLES & CLAMPS						TC2				TC2										TC2				TC2	
POLE CROSSARM REMOVAL																								PR BAR	



- NOTES:**
1. FOR DRAWING INDEX, SEE SHEET ET-01.
 2. STAGGER IS SHOWN REFERENCED TO THE CENTERLINE OF PANTOGRAPH. ALL REFERENCE TO L(LEFT) OR R(RIGHT) IS WITH RESPECT TO FACING OUTBOUND (TOWARDS NEWTON).
 3. ADDITIONAL TROLLEY WIRE STAGGER IS SHOWN (WHERE APPLICABLE) WITH RESPECT TO CENTERLINE OF TRACK. THIS VALUE COMPENSATES FOR THE MID-ORDINATE OF A CURVE OF GIVEN RADIUS AND A CHORD LENGTH OF 21 FEET (PANTOGRAPH PLACEMENT ON A CAR).

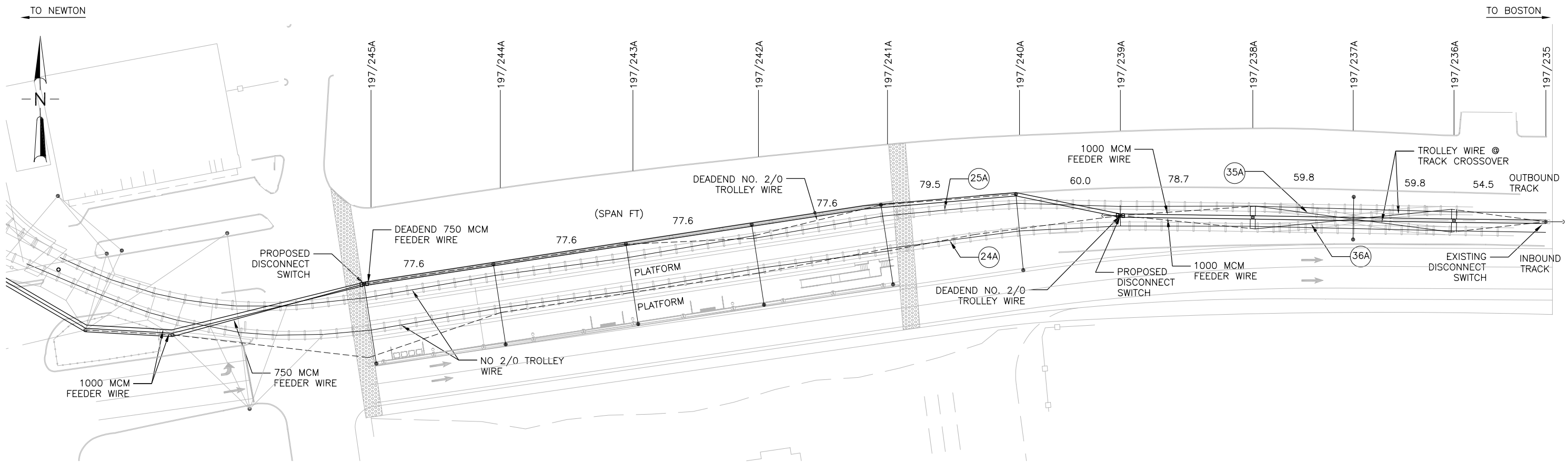


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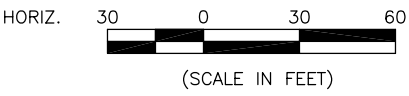
T	MASSACHUSETTS BAY TRANSPORTATION AUTHORITY	
	BOSTON COLLEGE STATION DESIGN PROJECT CONTRACT NO. XXXXXXX	
OVERHEAD CATENARY SYSTEM EXISTING PLAN AND MATERIAL ALLOCATION		
JACOBS		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY
343 CONGRESS STREET BOSTON, MA 02210 OFFICE: 617-242-9222 FAX: 617-242-9624		APPROVED BY: _____ Project Manager: _____ Date: _____
PROJECT MANAGER	Date	Project Manager: _____ Date: _____
Horiz. 1"=30'	DES. BY	CHK. BY
Vert. 1"=30'	WV	TF
DATE: 8-08-2012	WV	TF
SHEET ET-03		ISSUE

P:\ET Directory\Boston College Green Line Station\Drawings\CAD\15% Sheet Files\ ET_03 - Existing Plan and Material Allocation.dwg
Aug_08_2012 - 9:25am

POLE NO.		197/245A		197/244A		197/243A		197/242A		197/241A		197/240A		197/239A		197/238A		197/237A		197/236A		197/235		REMARKS
POLE MBTA STYLE NO.																								
SPAN LENGTH			77.6'		77.6'		77.6'		17.6'		79.5'		60.0'		78.7'		59.8'		59.8'		54.5'			
TROLLEY WIRE HEIGHT		18.0'		18.0'		18.0'		18.0'		18.0'		18.0'		18.0'		18.0'		18.0'		18.0'		18.25'		
TROLLEY WIRE STAGGER (IN)																						8R		
CANTILEVER ASS'Y		CSA		CSA		CSA		CSA		CSA		ACA1		OCA		OCA		OCA		OCA		ACA1		
TROLLEY WIRE TERM. HEIGHT																								
TROLLEY WIRE STAGGER Q (IN)																								
DOWN GUY ASS'Y										DGA1												DGA1		
ATTACHMENT HEIGHT																								
CROSSOVER WIRE HEIGHT																								
CROSSOVER WIRE STAGGER (IN)																								
CROSSOVER WIRE TERM. HEIGHT																								
IN SPAN MATERIAL																								
WOOD CROSSARM REPOSITION		WXA		WXA		WXA		WXA		WXA		WXA		WXA		WXA		WXA		WXA		WXA		
TAP CABLES & CLAMPS																								
POLE CROSSARM REMOVAL																								



- NOTES:**
- FOR DRAWING INDEX, SEE SHEET ET-01.
 - STAGGER IS SHOWN REFERENCED TO THE CENTERLINE OF PANTOGRAPH. ALL REFERENCE TO L(LEFT) OR R(RIGHT) IS WITH RESPECT TO FACING OUTBOUND (TOWARDS NEWTON).
 - DATA IN THE MATERIAL ALLOCATION WITH THE NOTATIONS 'N' OR 'S' REFER TO THE NORTH(N) OR SOUTH(S) POLE OF THE PORTAL STRUCTURES.

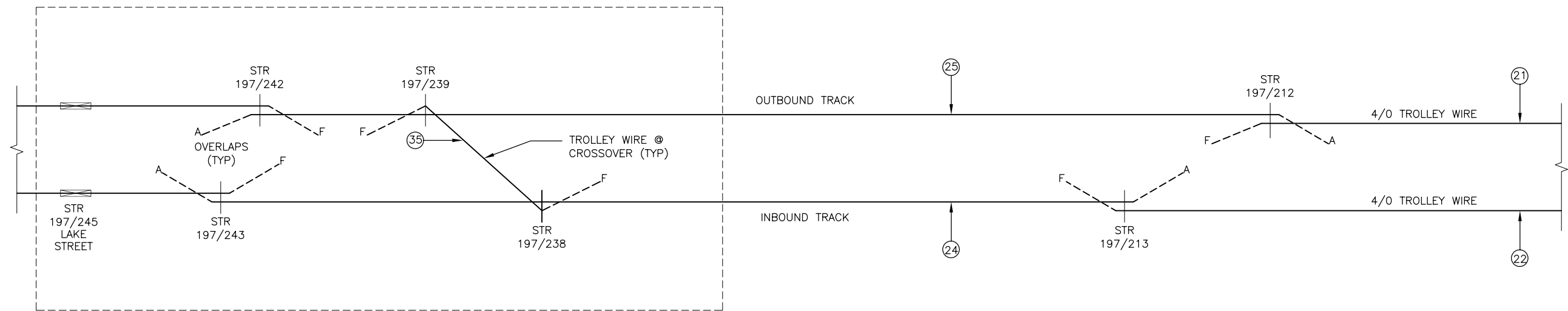


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T	MASSACHUSETTS BAY TRANSPORTATION AUTHORITY	
	BOSTON COLLEGE STATION DESIGN PROJECT CONTRACT NO. XXXXXXX	
	OVERHEAD CATENARY SYSTEM PROPOSED PLAN AND MATERIAL ALLOCATION	
		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY APPROVED BY: _____ Project Manager: _____ Date: _____
PROJECT MANAGER Date: _____	DES. BY: _____ DR. BY: _____ WK WK TF	PLAN NO. _____ SHEET ET-04
DATE: 8-08-2012		ISSUE _____

FILE NAME: P:\ET Directory\Boston College Green Line Station\Drawings\CAD\15% Sheet Files\ET_04 - Proposed Plan and Material Allocation rev 2.dwg
PLOT DATE: Aug 08, 2012 - 9:26am

FILE NAME: P:\ET Directory\Boston College Green Line Station\Drawings\CAD\15% Sheet Files\ET_07 - Trolley Wire Schematic.dwg
 PLOT DATE: Aug 08, 2012 9:27am

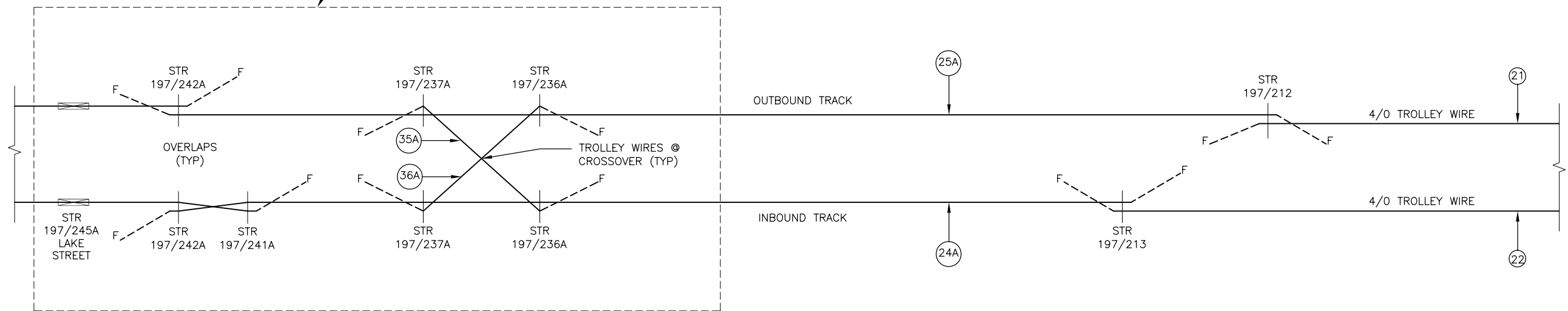


EXISTING TROLLEY WIRE SCHEMATIC

← TO NEWTON

LIMIT OF WORK

TO BOSTON →




PROPOSED TROLLEY WIRE SCHEMATIC

LEGEND

- A AUTO-TENSIONING UNIT DEADEND
- F FIXED TERMINATION DEADEND
- # TROLLEY WIRE RUN
- STR STRUCTURE

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		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY BOSTON COLLEGE STATION DESIGN PROJECT CONTRACT NO. XXXXXXXX			
		OVERHEAD CATENARY SYSTEM TROLLEY WIRE SCHEMATIC			
		343 CONGRESS STREET BOSTON, MA 02210 OFFICE: 617-242-9222 FAX: 617-242-9624		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY APPROVED BY: _____ Project Manager: _____ Date: _____	
		PROJECT MANAGER: _____ Date: _____ Horiz. NONE Vert. NONE DATE: 8-08-2012		DES. BY: _____ WK DR. BY: _____ WK CHK. BY: _____ TF PLAN NO. _____ SHEET ET-07 ISSUE _____	

TROLLEY WIRE PARTICULARS		
	UNITS	AUXILLARY WIRE
MAKE UP OF CONDUCTOR		4/0 SOLID GROOVED WIRE
SYMBOL		
MATERIAL		COPPER
DIAMETER	IN	0.482
CROSS SECTIONAL AREA	SQ IN	0.1665
WEIGHT OF CONDUCTOR	LB/FT	0.642
RADIAL THICKNESS OF ICE (PART ICE)	IN	0.500
WEIGHT OF ICE (PART ICE)	LB/FT	0.611
WEIGHT OF CONDUCTOR WITH ICE (PART ICE)	LB/FT	1.253
RADIAL THICKNESS OF ICE (FULL ICE)	IN	0.500
WEIGHT OF ICE (FULL ICE)	LB/FT	0.611
WEIGHT OF CONDUCTOR WITH ICE (FULL ICE)	LB/FT	1.253
BREAKING LOAD	LB	10822
MAXIMUM SPAN / EQUIVALENT SPAN	FT	95
TENSIONS AT : 60°F NO WIND, NO ICE	LB	3000
120°F NO WIND, NO ICE	LB	1542
-10°F NO WIND, NO ICE	LB	4566
0°F NO WIND, FULL ICE	LB	4623
0°F 8 PSF WIND, FULL ICE	LB	4643
CONDUCTOR SAGS ON 95 FT SPAN AT:		
60°F NO WIND	FT	0.241
120°F NO WIND	FT	0.470
-10°F NO WIND, NO ICE	FT	0.150
0°F NO WIND, FULL ICE	FT	0.306
MODULUS OF ELASTICITY	PSI	17.00E+06
COEFFICIENT OF EXPANSION	/°F	9.40E-06
MINIMUM FACTOR OF SAFETY		2.33




WIRE TENSIONS LBS (NO ICE, NO WIND)		
TEMPERATURE (°F)	TENSION (LB)	SAG (FT)
-20	5093	0.142
-10	4829	0.150
0	4566	0.159
10	4303	0.168
20	4041	0.179
30	3779	0.192
40	3518	0.206
50	3258	0.222
60	3000	0.241
70	2744	0.264
80	2491	0.291
90	2242	0.323
100	1999	0.362
110	1764	0.411
120	1542	0.470

NOTES:

1. FOR DRAWING INDEX, SEE SHEET ET-01.
2. FOR PROPOSED PLAN AND MATERIAL ALLOCATION, SEE SHEET ET-04.

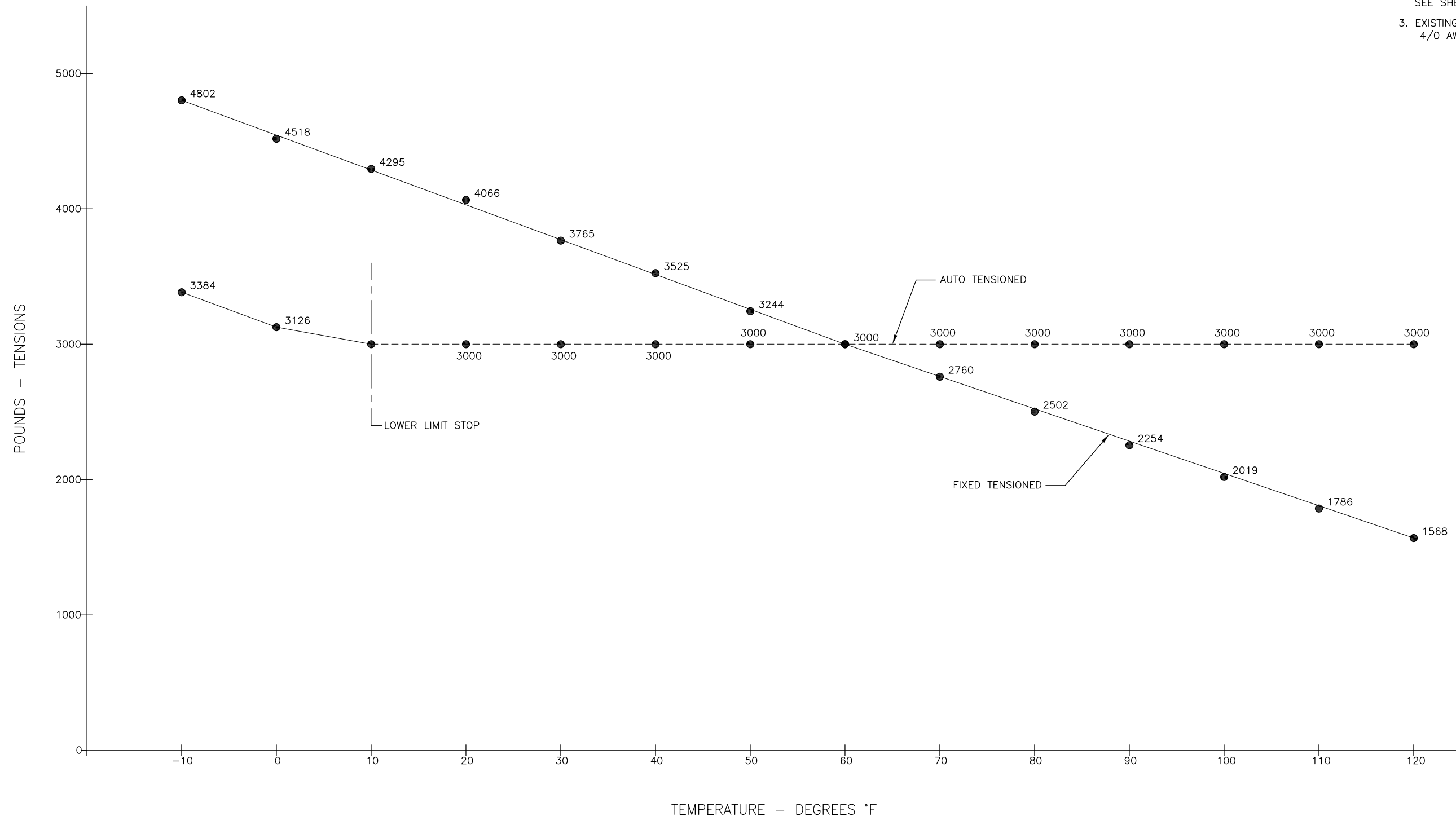
FILE NAME: P:\ET Directory\Boston College Green Line Station\Drawings\CAD\15% Sheet Files\ ET_08 - Trolley Wire Particulars.dwg
PLOT DATE: Aug 08, 2012 - 9:27am

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		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY	
		BOSTON COLLEGE STATION DESIGN PROJECT CONTRACT NO. XXXXXXXX	
OVERHEAD CATENARY SYSTEM TROLLEY WIRE PARTICULARS			
		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY	
343 CONGRESS STREET BOSTON, MA 02210 OFFICE: 617-242-9222 FAX: 617-242-9624		APPROVED BY: _____ Date: _____	
PROJECT MANAGER _____ Date _____		Project Manager: _____ Date: _____	
Horiz. NONE	DES. BY _____	DR. BY _____	CHK. BY _____
Vert. NONE	WK _____	WK _____	TF _____
DATE: 8-08-2012	SHEET ET-08		ISSUE 

NOTES:

1. FOR DRAWING INDEX, SEE SHEET ET-01.
2. FOR PROPOSED PLAN AND MATERIAL ALLOCATION, SEE SHEET ET-04.
3. EXISTING TROLLEY WIRE TO BE REPLACED WITH 4/0 AWG BRONZE GROOVED TROLLEY WIRE.





FILE NAME: P:\ET Directory\Boston College Green Line Station\Drawings\CAD\15% Sheet Files\ET_09 - Trolley Wire Erection Graph.dwg
PLOT DATE: Aug 08, 2012 - 9:28am

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		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY BOSTON COLLEGE STATION DESIGN PROJECT CONTRACT NO. XXXXXXXX			
		OVERHEAD CATENARY SYSTEM TROLLEY WIRE ERECTION GRAPH			
		JACOBS <small>343 CONGRESS STREET BOSTON, MA 02210 OFFICE: 617-242-9222 FAX: 617-242-9824</small>		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY APPROVED BY: _____ Project Manager: _____ Date: _____	
ISSUE	DATE	DESCRIPTION	BY	CHKD.	APP.
		PROJECT MANAGER	Date		
		Horiz. NONE	DES. BY	DR. BY	CHK. BY
		Vert. NONE	WK	WK	TF
		DATE: 8-08-2012			PLAN NO. ET-09
					ISSUE



FILE NAME: P:\ET Directory\Boston College Green Line Station\Drawings\CAD\15% Sheet Files\ET_10 - Feeder Wire Particulars.dwg
 PLOT DATE: Aug 08, 2012 - 9:28am

TROLLEY WIRE PARTICULARS			
	UNITS	AUXILLARY WIRE	AUXILLARY WIRE
MAKE UP OF CONDUCTOR		750 MCM, FEEDER WIRE	1000 MCM, FEEDER WIRE
SYMBOL			
MATERIAL		COPPER	COPPER
DIAMETER	IN	0.998	1.152
CROSS SECTIONAL AREA	SQ IN	0.7820	1.042
WEIGHT OF CONDUCTOR	LB/FT	2.316	3.088
RADIAL THICKNESS OF ICE (PART ICE)	IN	0.500	0.500
WEIGHT OF ICE (PART ICE)	LB/FT	0.931	1.027
WEIGHT OF CONDUCTOR WITH ICE (PART ICE)	LB/FT	3.247	4.115
RADIAL THICKNESS OF ICE (FULL ICE)	IN	0.500	0.500
WEIGHT OF ICE (FULL ICE)	LB/FT	0.931	1.027
WEIGHT OF CONDUCTOR WITH ICE (FULL ICE)	LB/FT	3.247	4.115
BREAKING LOAD	LB	34090	45030
MAXIMUM SPAN / EQUIVALENT SPAN	FT	119	119
TENSIONS AT : 60°F NO WIND, NO ICE	LB	1185	1580
120°F NO WIND, NO ICE	LB	1061	1414
-10°F NO WIND, NO ICE	LB	1365	1820
0°F NO WIND, FULL ICE	LB	1892	2402
0°F 8 PSF WIND, FULL ICE	LB	1976	2484
CONDUCTOR SAGS ON 95 FT SPAN AT:			
60°F NO WIND	FT	3.430	3.430
120°F NO WIND	FT	3.832	3.832
-10°F NO WIND, NO ICE	FT	2.896	2.896
0°F NO WIND, FULL ICE	FT	3.012	3.007
MODULUS OF ELASTICITY	PSI	17.00E+06	17.00E+06
COEFFICIENT OF EXPANSION	/°F	9.40E-06	9.40E-06
MINIMUM FACTOR OF SAFETY		17.25	18.13

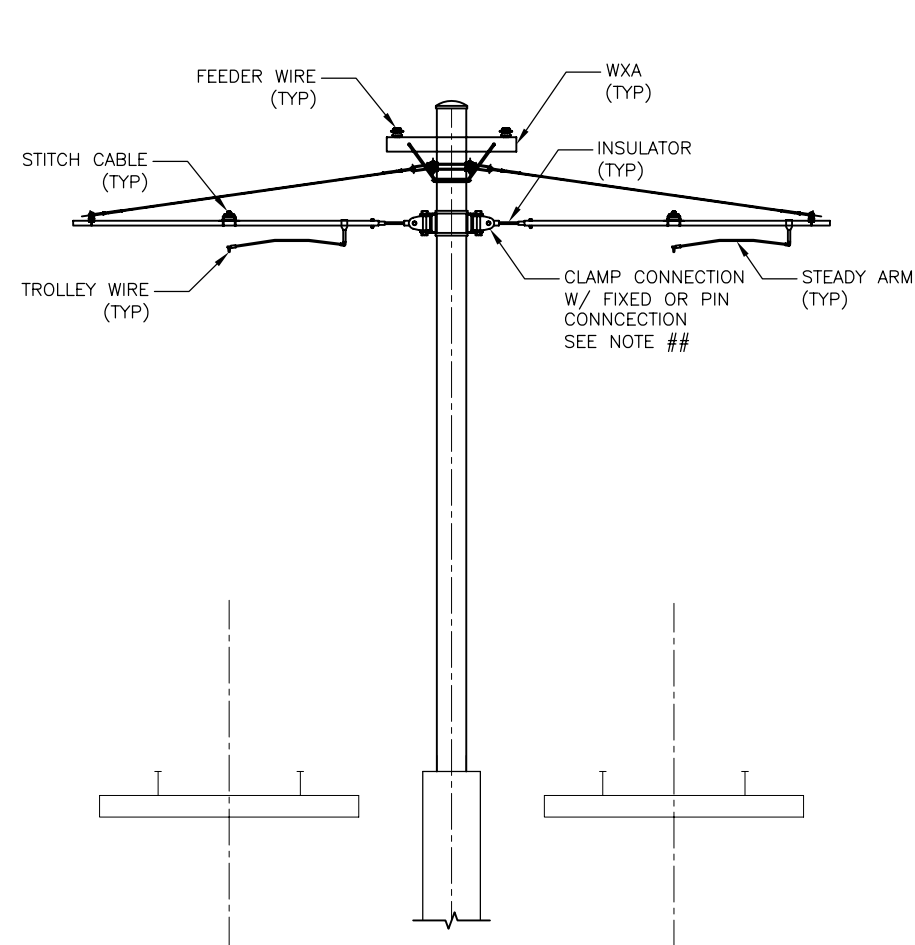
WIRE TENSIONS LBS (NO ICE, NO WIND)				
TEMPERATURE (°F)	750 MCM		1000 MCM	
	TENSION (LB)	SAG (FT)	TENSION (LB)	SAG (FT)
-20	1445	2.812	1927	2.812
-10	1404	2.896	1871	2.896
0	1365	2.978	1820	2.978
10	1329	3.057	1773	3.057
20	1296	3.135	1729	3.135
30	1266	3.211	1688	3.211
40	1237	3.286	1649	3.286
50	1210	3.359	1614	3.359
60	1185	3.430	1580	3.430
70	1161	3.500	1548	3.500
80	1139	3.569	1519	3.569
90	1118	3.636	1490	3.636
100	1098	3.703	1464	3.703
110	1079	3.768	1438	3.768
120	1061	3.832	1414	3.832

- NOTES:**
- FOR DRAWING INDEX, SEE SHEET ET-01.
 - FOR PROPOSED PLAN AND MATERIAL ALLOCATION, SEE SHEET ET-04.

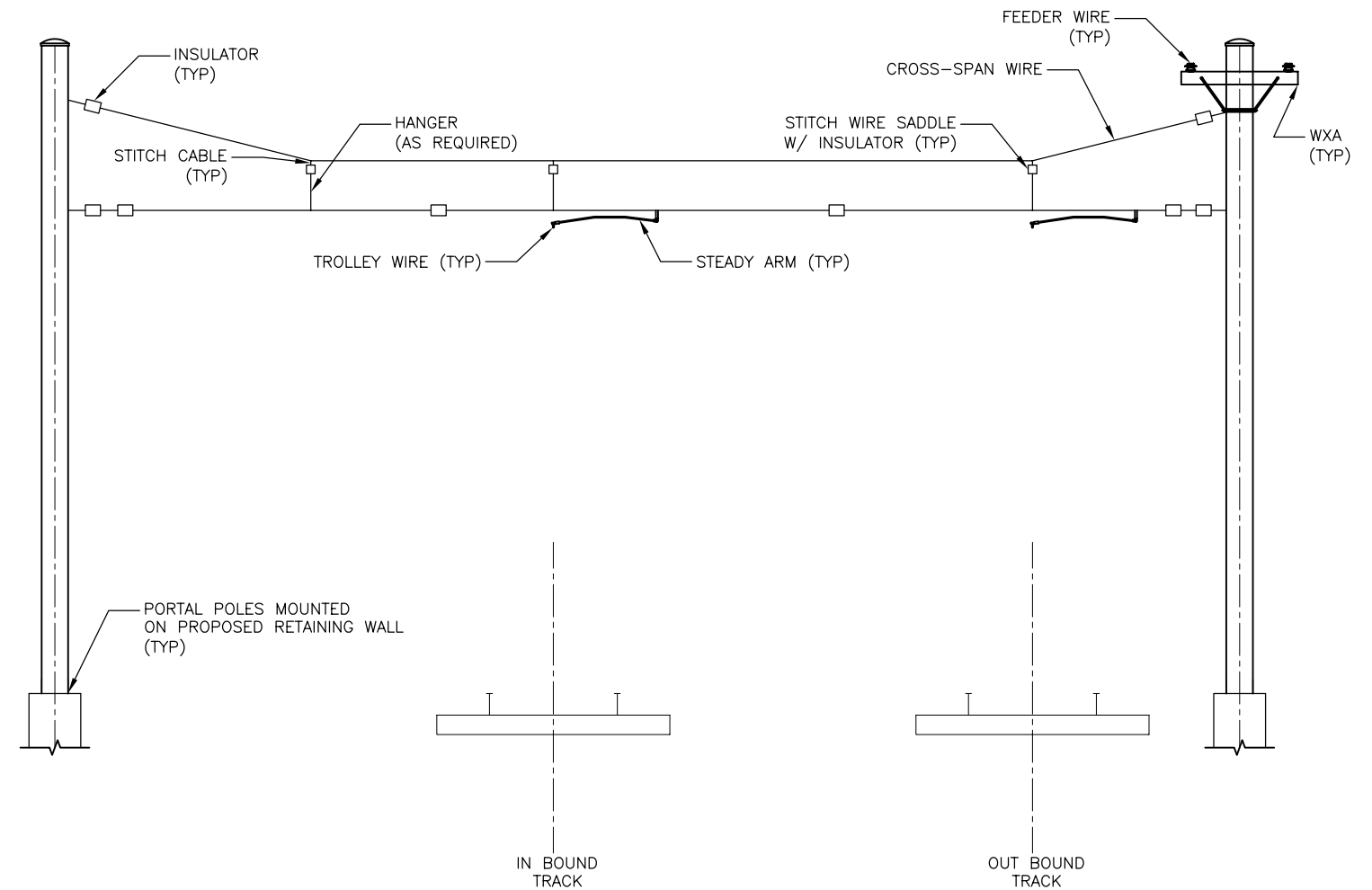
DRAFT
 NOT FOR CONSTRUCTION

		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY BOSTON COLLEGE STATION DESIGN PROJECT CONTRACT NO. XXXXXXXX			
		OVERHEAD CATENARY SYSTEM FEEDER WIRE PARTICULARS			
		343 CONGRESS STREET BOSTON, MA 02210 OFFICE: 617-242-9222 FAX: 617-242-9624		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY APPROVED BY: _____ Date: _____	
		PROJECT MANAGER _____ Date _____ Project Manager: _____ Date: _____		PLAN NO. _____ SHEET ET-10	
ISSUE	DATE	DESCRIPTION	BY	CHKD.	APP.

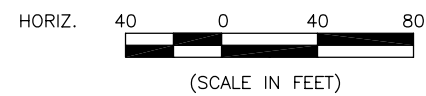
- NOTES:**
1. FOR DRAWING INDEX, SEE SHEET ET-01.
 2. FOR PROPOSED PLAN AND MATERIAL ALLOCATION, SEE SHEET ET-04.



TYPICAL CENTER POLE CANTILEVER-ACA & OCA



TYPICAL CROSS SPAN STRUCTURE - CSA

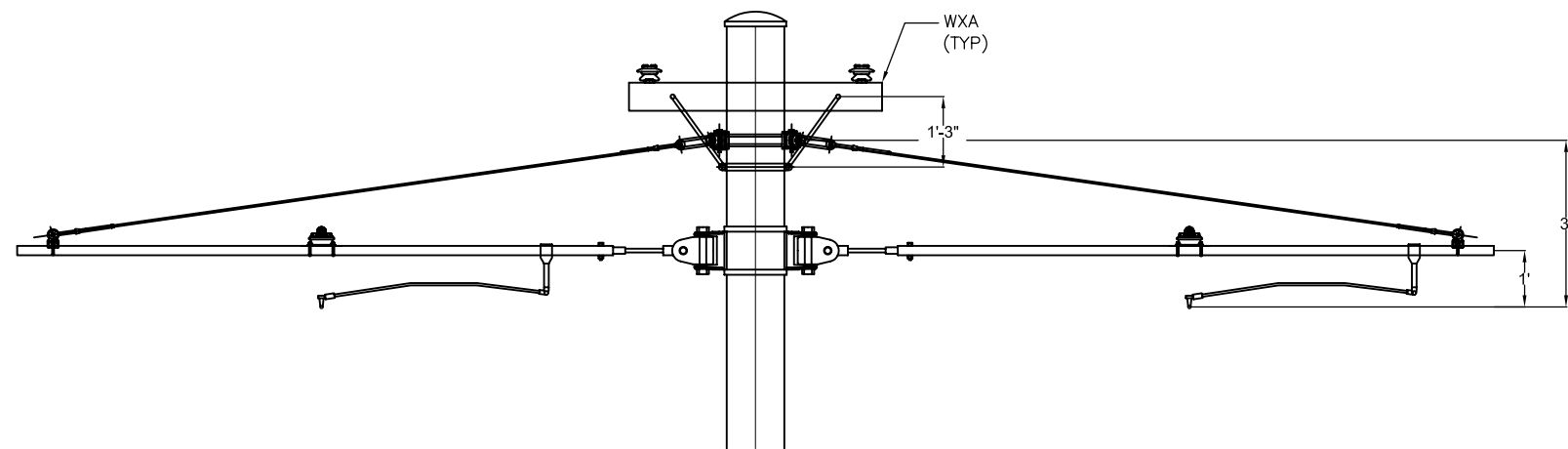


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NOT FOR CONSTRUCTION

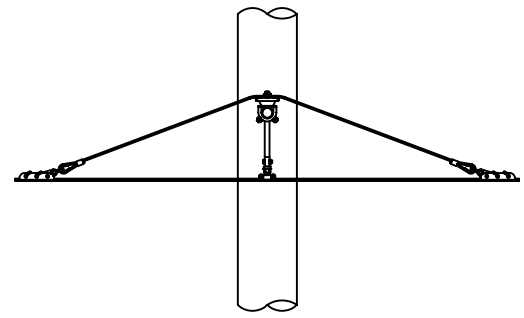
FILE NAME: P:\ET Directory\Boston College Green Line Station\Drawings\CAD\15% Sheet Files\ ET 12 - Typical Structure Configuration.dwg
PLOT DATE: Aug 08, 2012 - 9:29am

		T		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY	
				BOSTON COLLEGE STATION DESIGN PROJECT CONTRACT NO. XXXXXXX	
		JACOBS		OVERHEAD CATENARY SYSTEM TYPICAL STRUCTURE CONFIGURATION	
				MASSACHUSETTS BAY TRANSPORTATION AUTHORITY	
		343 CONGRESS STREET BOSTON, MA 02210 OFFICE: 617-242-9222 FAX: 617-242-9624		APPROVED BY:	
		PROJECT MANAGER		Date:	
		Horiz. 1"=40'		Project Manager:	
		Vert. 1"=40'		Date:	
		DATE: 8-08-2012		ISSUE	
		DES. BY		PLAN NO.	
		CHK. BY		SHEET ET-12	
		DATE		ISSUE	

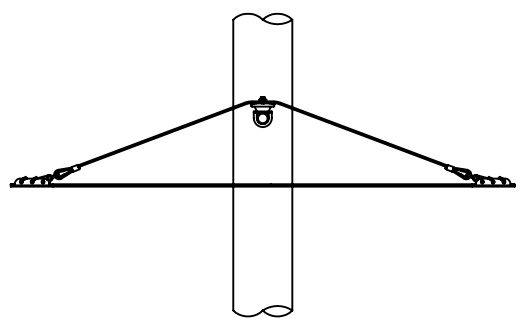
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 PLOT DATE: Aug 08, 2012 - 9:30am



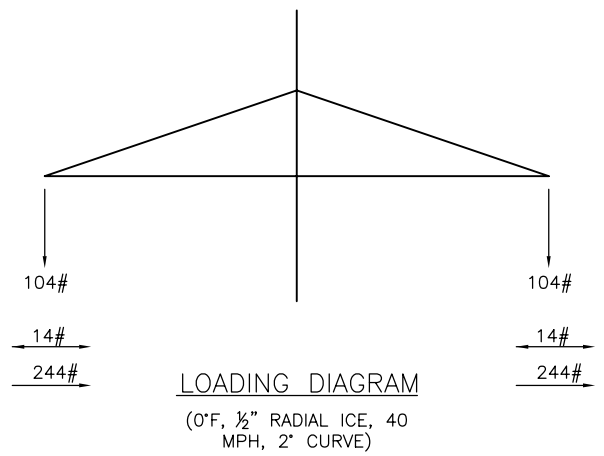
CANTILEVER ASSEMBLY



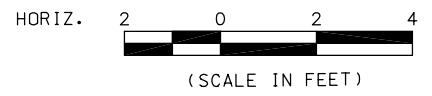
SIDE STITCH VIEW (ACA1)



SIDE STITCH VIEW (ACA2)



LOADING DIAGRAM
 (0°F, 1/2" RADIAL ICE, 40 MPH, 2' CURVE)



(SCALE IN FEET)

DRAFT
 NOT FOR CONSTRUCTION

NOTES:

1. FOR DRAWING INDEX, SEE SHEET ET-01.
2. FOR PROPOSED PLAN AND MATERIAL ALLOCATION, SEE SHEET ET-04.
3. POLE CLAMP SHALL BE ADJUSTABLE FOR POLE DIAMETER RANGE OF MBTA POLE STYLE NOS. 3, 4, 5 AND 7.
4. SADDLE SHALL BE CAPABLE OF CLAMPING AND HOLDING THE STITCH WIRE SECURELY.

BILL OF MATERIALS		
CANTILEVER ASSEMBLY		
ITEM NO.	DESCRIPTION	QUANTITY
1	CLAMP, POLE, W/SWIVEL ATTACHMENT (NOTE 3)	
2	INSULATOR, STRAIN, W/ 2 EYE ENDS	
3	INSULATOR, STRUT	
4	CANTILEVER ARM, LENGTH AS REQUIRED (NOTE 2)	
5	WIRE DEAD END, STRAND VICE, FOR 3/8" WIRE STRAND	
6	CLAMP, STEADY ARM	
7	CLAMP, CANTILEVER ARM	
8	STEADY ARM & CLAMP ASS'Y (SA1) (SEE PLAN 93348)	
9	SADDLE, STITCH (NOTE 4)	
10	CLAMP, STITCH, TROLLEY WIRE	
11	STITCH, SYNTHETIC ROPE	
12	WIRE STRANDS, 3/8" DIA. 7, NO. 8, GALV. STEEL, UTILITY GRADE	

	MASSACHUSETTS BAY TRANSPORTATION AUTHORITY BOSTON COLLEGE STATION DESIGN PROJECT CONTRACT NO. XXXXXXXX	
	OVERHEAD CATENARY SYSTEM CANTILEVER ASSEMBLIES	
	APPROVED BY: _____ Project Manager: _____ Date: _____	
JACOBS <small>343 CONGRESS STREET BOSTON, MA 02210 OFFICE: 617-242-9222 FAX: 617-242-9624</small>		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY
PROJECT MANAGER _____ Date _____ DES. BY _____ CHK. BY _____ DATE: 8-08-2012	WK WK TF	PLAN NO. _____ SHEET ET-13 ISSUE _____