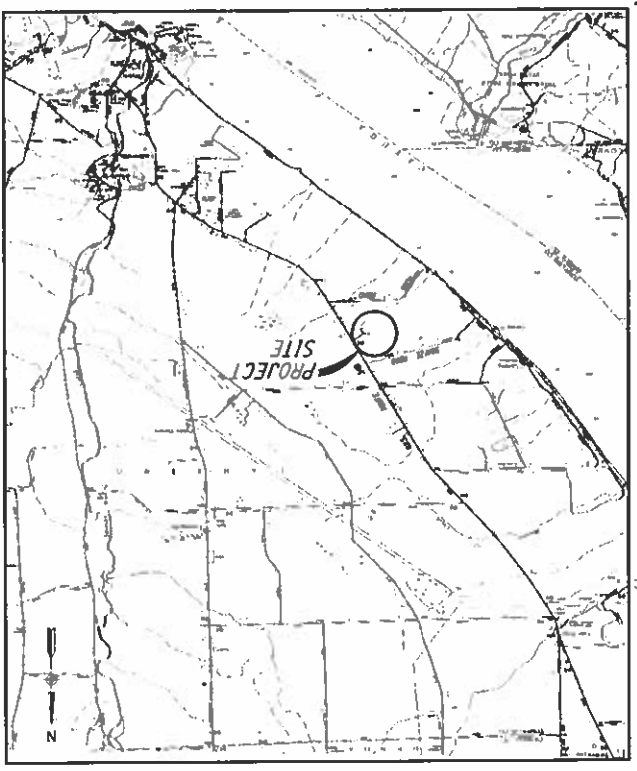


SITE DATA	
TOTAL AREA OF PARCEL	57.47 AC
TOTAL AREA OF DISTURBANCE	11.60 AC
ZONING	RA - RURAL AGRICULTURAL

LOCATION MAP
N.T.S.



1580.002.001
Project Number
C-1
Sheet Number
AS SHOWN
Section
NOVEMBER, 2015
Date



Barton
Bogundice, D.P.C.

TOWN OF LAWSONG
TOWNSHIP OF LAWSONG, NEW YORK
CARROLL GLOBAL BUSINESS SERVICES
CAYUGA MINE #4 SHAFT PROJECT
LOCATION AND PROJECT DATA PLAN

NO AT SCALE NOW REPLICATED
SECTION 2 OF THE NEW YORK STATE LOCATION LAW
COMPLETED CONSTRUCTION
Significant Construction Changes Are Shown
By _____ date _____
Revisions
Date _____

1580.002.001
Project Number

C-3
Sheet Number

AS SHOWN
Scale

NOVEMBER, 2015
Date



Barton Ogundipe, D.P.C.

TOWN OF LANSING

CARGILL GLOBAL BUSINESS SERVICES
CAYUGA MINE #4 SHAFT PROJECT
SITE LAYOUT PLAN

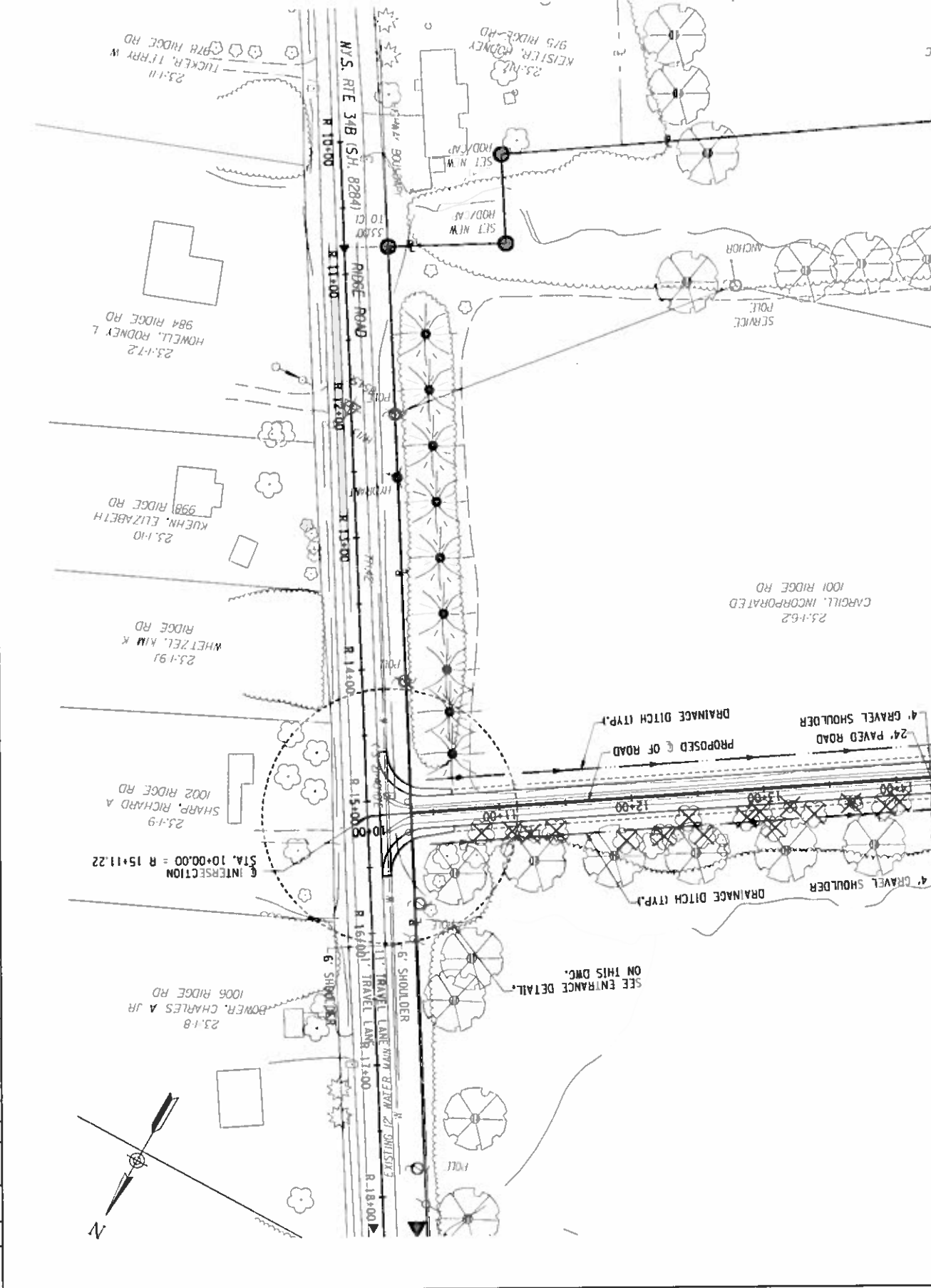
TOMPKINS COUNTY, NEW YORK

NO ALTERATION PERMITTED
SECTION EXCEPT AS PROVIDED
UNDER SECTION 7709
SUBDIVISION 2 OF THE N.E.M.
NEW YORK STATE EDUCATION LAW

Significant Construction Changes Are Shown

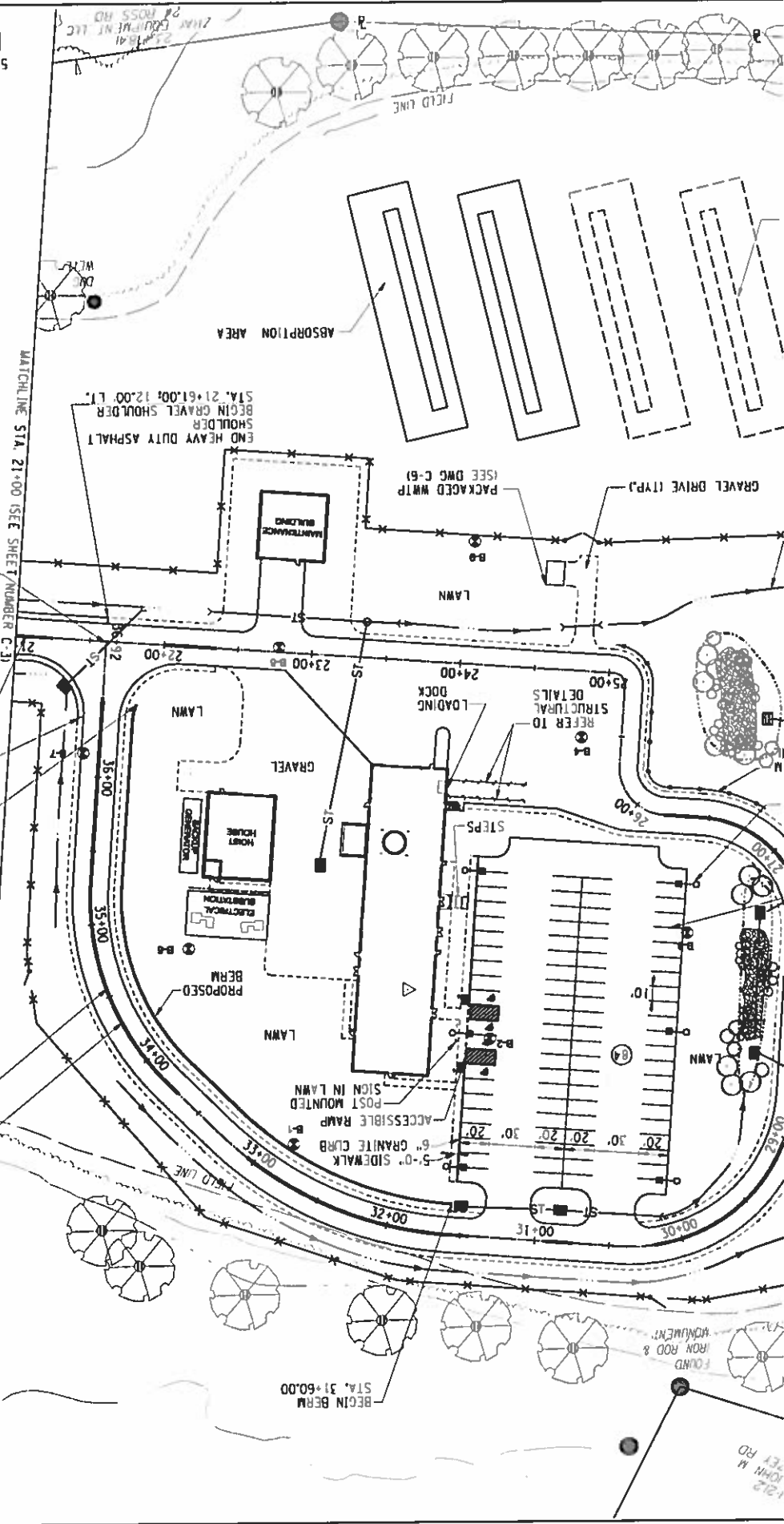
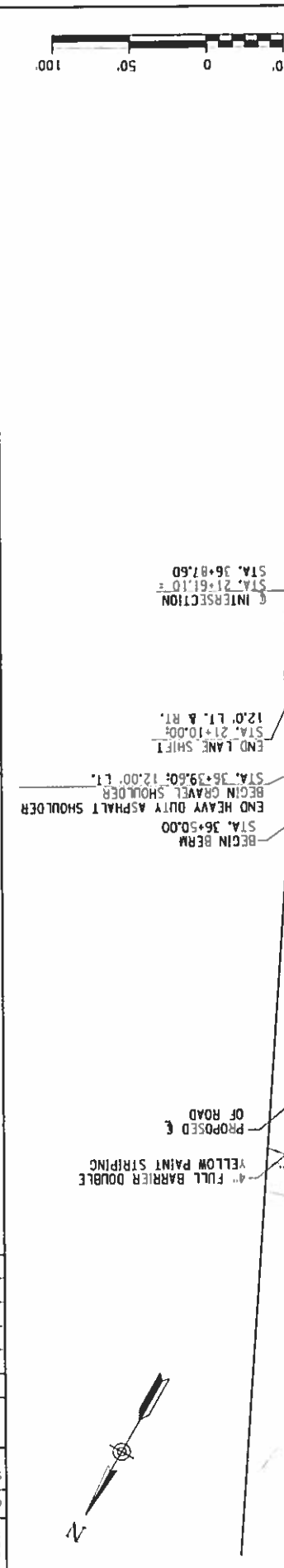
By _____ Date _____

REVISIONS



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	NO. 12, SECTION 7709, ERIE COUNTY, NEW YORK
	NO. 12, SECTION 7709, ERIE COUNTY, NEW YORK
DATE NOVEMBER, 2015 AS SHOWN SHEET NUMBER C-4 PROJECT NUMBER 1580.002.001	



CARROLL GLOBAL BUSINESS SERVICES
 CAYUGA MINE #4 SHAFT PROJECT
 SITE LAYOUT PLAN
 TOWN OF LAWSON
 TOWN OF LAWSON, NEW YORK

NO ALTERATION PERMITTED
 HEREON EXCEPT AS PROVIDED
 LABOR SECTION 2 OF THE NEW
 YORK STATE EDUCATION LAW

COMPLETED CONSTRUCTION

Significant Construction
 Changes Are Shown

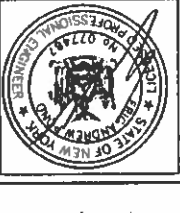
By _____ Date _____
 _____ Date _____

REVISIONS

TOWN OF LANSING
 TOMPKINS COUNTY, NEW YORK

**PROPOSED WATER AND SEWER
 UTILITY PLAN (1 OF 2)**

CARGILL GLOBAL BUSINESS SERVICES
 CAYUGA MINE #4 SHAFT PROJECT

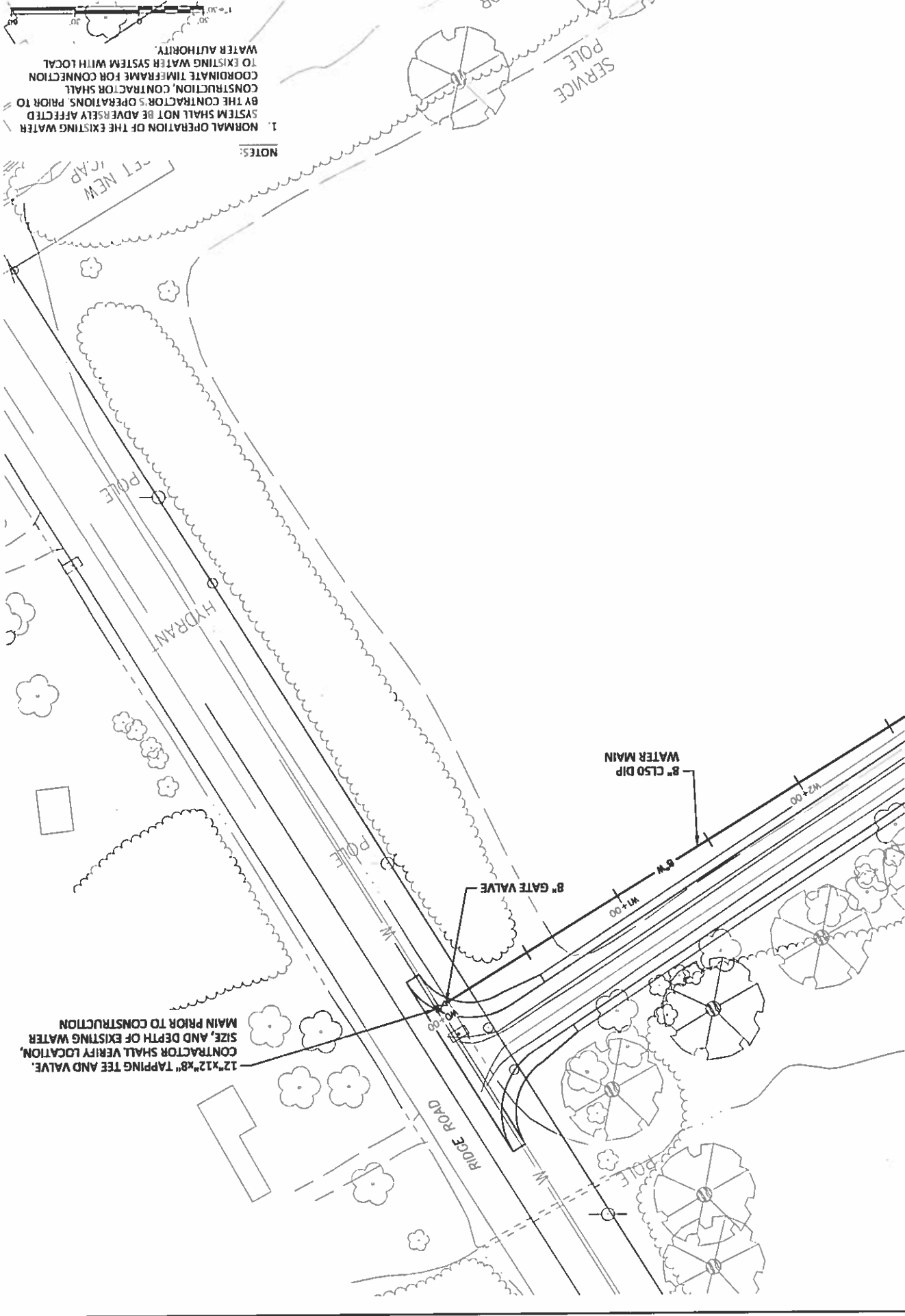


Date
 NOVEMBER, 2015

Scale
 AS SHOWN

Sheet Number
 C-5

Project Number
 1580.002.001

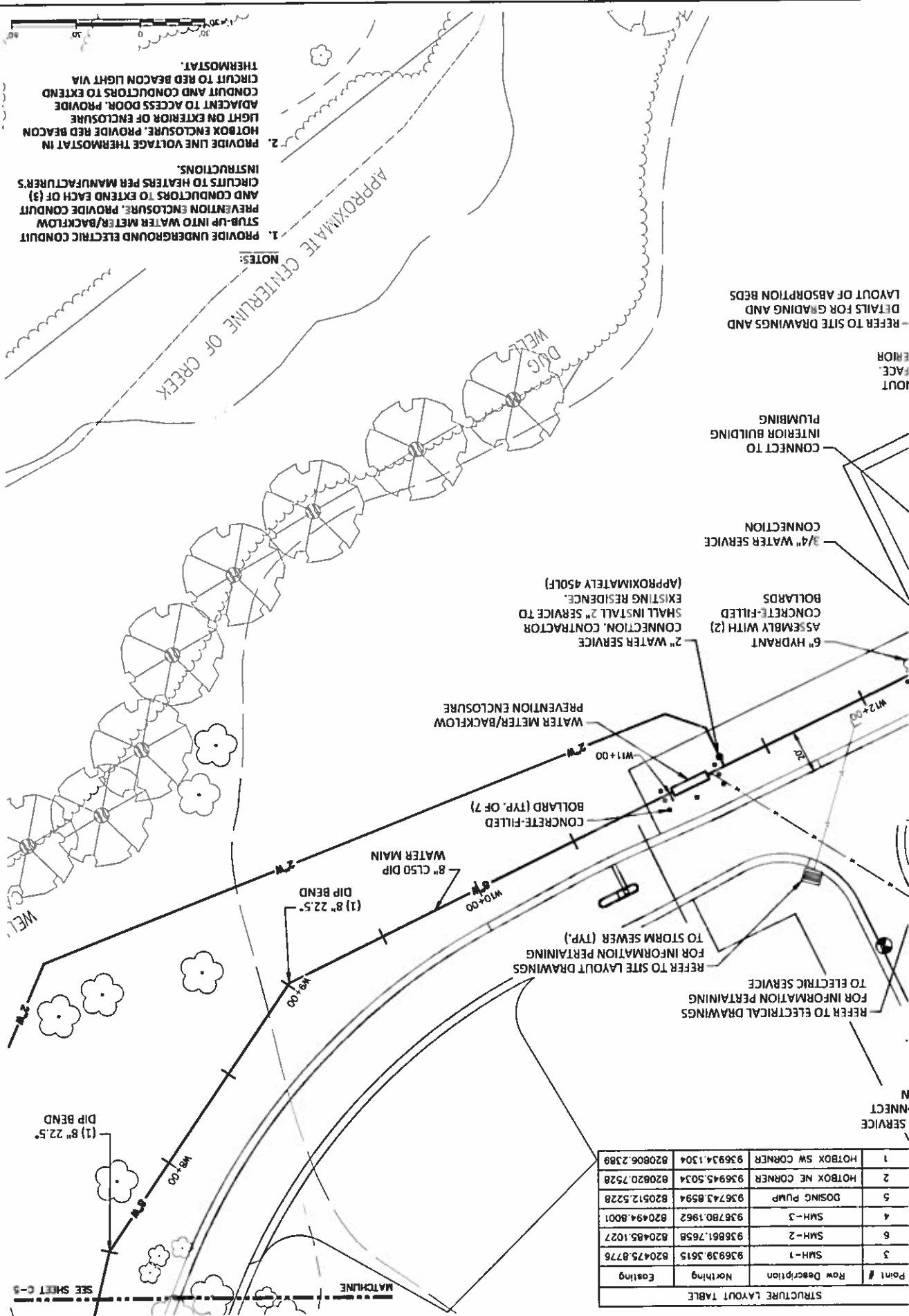


NOTES:
 1. NORMAL OPERATION OF THE EXISTING WATER
 SYSTEM SHALL NOT BE ADVERSELY AFFECTED
 BY THE CONTRACTOR'S OPERATIONS. PRIOR TO
 CONSTRUCTION, CONTRACTOR SHALL
 COORDINATE TIMEFRAME FOR CONNECTION
 TO EXISTING WATER SYSTEM WITH LOCAL
 WATER AUTHORITY.



STRUCTURE LAYOUT TABLE

Point #	Row Description	Coating
3	SMH-1	820475.8776
5	SMH-2	936861.7658
4	SMH-3	936780.1962
5	DOSING PUMP	820512.5228
2	HOTBOX NE CORNER	936945.5034
1	HOTBOX SW CORNER	936934.1304



- NOTES:
1. PROVIDE UNDERGROUND ELECTRIC CONDUIT STUB-UP INTO WATER METER/BACKFLOW PREVENTION ENCLOSURE. PROVIDE CONDUIT AND CONDUCTORS TO EXTEND EACH OF (3) CIRCUITS TO HEATERS PER MANUFACTURER'S INSTRUCTIONS.
 2. PROVIDE LINE VOLTAGE THERMOSTAT IN HOTBOX ENCLOSURE. PROVIDE RED BEACON LIGHT ON EXTERIOR OF ENCLOSURE ADJACENT TO ACCESS DOOR. PROVIDE CONDUIT AND CONDUCTORS TO EXTEND CIRCUIT TO RED BEACON LIGHT VIA THERMOSTAT.

REFER TO ELECTRICAL DRAWINGS FOR INFORMATION PERTAINING TO ELECTRICAL SERVICE
 REFER TO ELECTRICAL DRAWINGS FOR INFORMATION PERTAINING TO STORM SEWER (TYP.)
 REFER TO SITE LAYOUT DRAWINGS FOR INFORMATION PERTAINING TO WATER METER/BACKFLOW PREVENTION ENCLOSURE

6" HYDRANT ASSEMBLY WITH (2) CONCRETE-FILLED BOLLARDS SHALL INSTALL 2" SERVICE TO CONNECTION. CONTRACTOR SHALL INSTALL 2" SERVICE TO EXISTING RESIDENCE (APPROXIMATELY 450LF)
 3/4" WATER SERVICE CONNECTION
 CONNECT TO INTERIOR BUILDING PLUMBING

NO ALTERATION PERMITTED UNDER SECTION 209 OF THE NEW YORK STATE EDUCATION LAW.

COMPLETED CONSTRUCTION

Significant Construction Changes Are Shown

By _____ Date _____

REVISIONS

Scale AS SHOWN

Sheet Number C-6

Project Number 1580.002.001

Date NOVEMBER, 2015

Professional Engineer Seal: State of New York, No. 07747, Robert J. ...

Barton
Engineering, D.P.C.

TOWN OF LANSING
 TOWN OF LANSING
 TOWN OF LANSING

CARGILL GLOBAL BUSINESS SERVICES
 CAYUGA MINE #4 SHAFT PROJECT

PROPOSED WATER AND SEWER
 UTILITY PLAN (2 OF 2)

NO ALTERATION PERMITTED WITHOUT EXCEPT AS PROVIDED UNDER SECTION 2709 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW

COMPLETED CONSTRUCTION

Significant Construction Changes are Shown

By _____ Date _____

REVISIONS

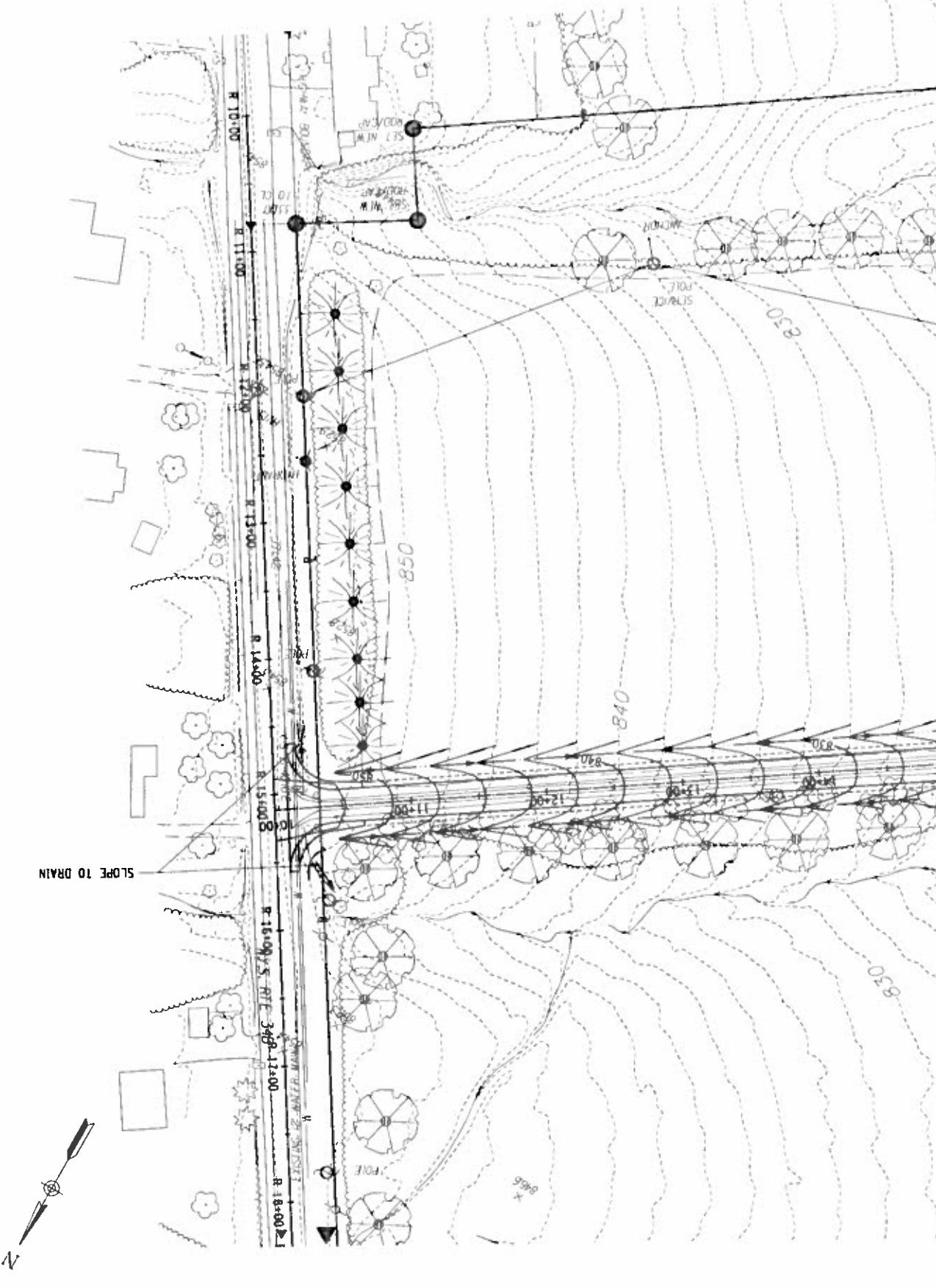
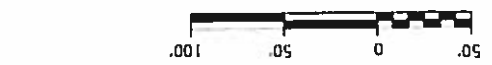
TOWN OF LANSING
TOMPKINS COUNTY, NEW YORK

GRADING AND DRAINAGE PLAN

CARGILL GLOBAL BUSINESS SERVICES
CAYUCA MINE #4 SHAFT PROJECT

Barton
Loguidice, D.P.C.

Date: NOVEMBER, 2015
Scale: AS SHOWN
Sheet Number: C-7
Project Number: 1580.002.001

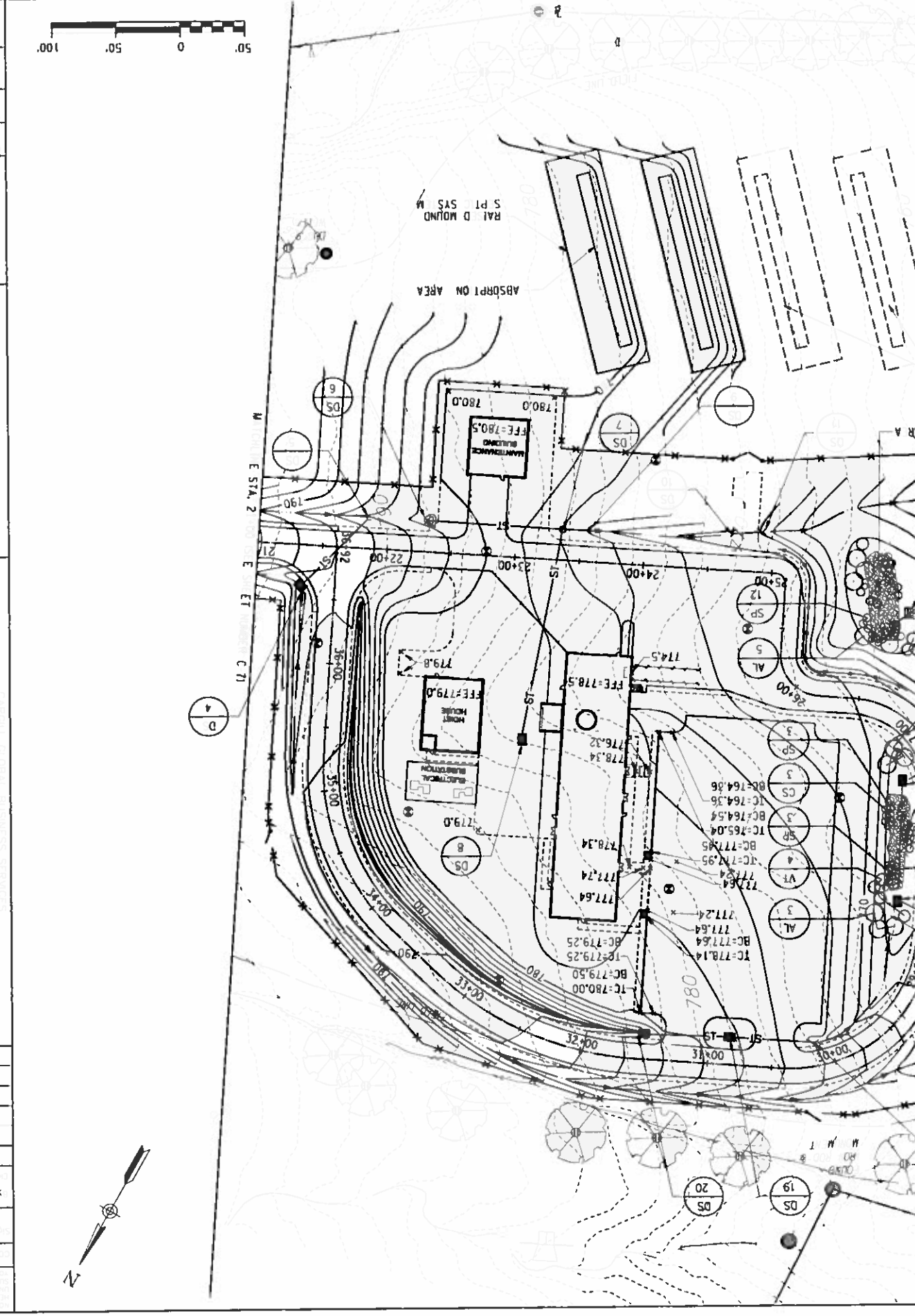


1580 002.001
 C 8
 AS SHOWN
 NOVEMBER, 2015



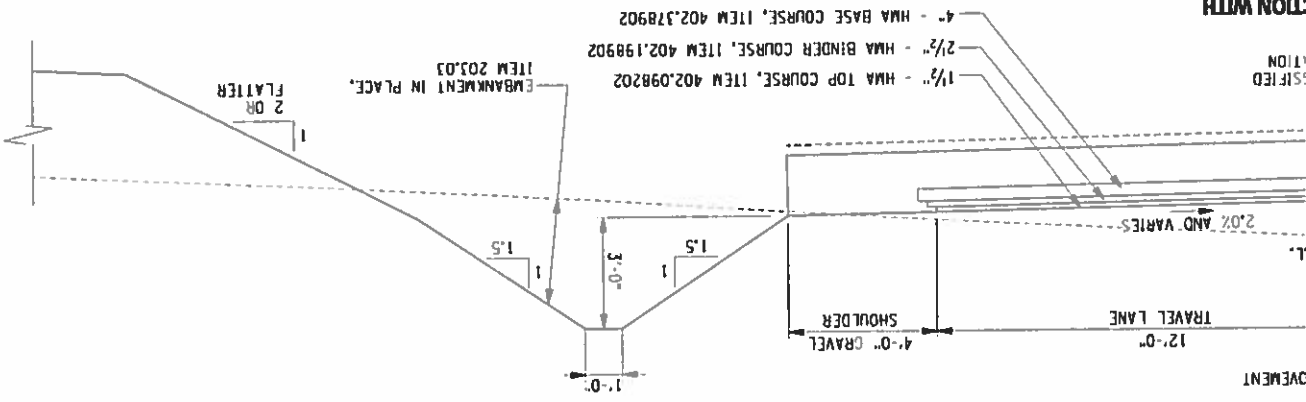
Barton
Malow
Engineering, DPC

CA GA MINE #4 S AFT RO ECT
GRADING AND DRAINAGE PLAN



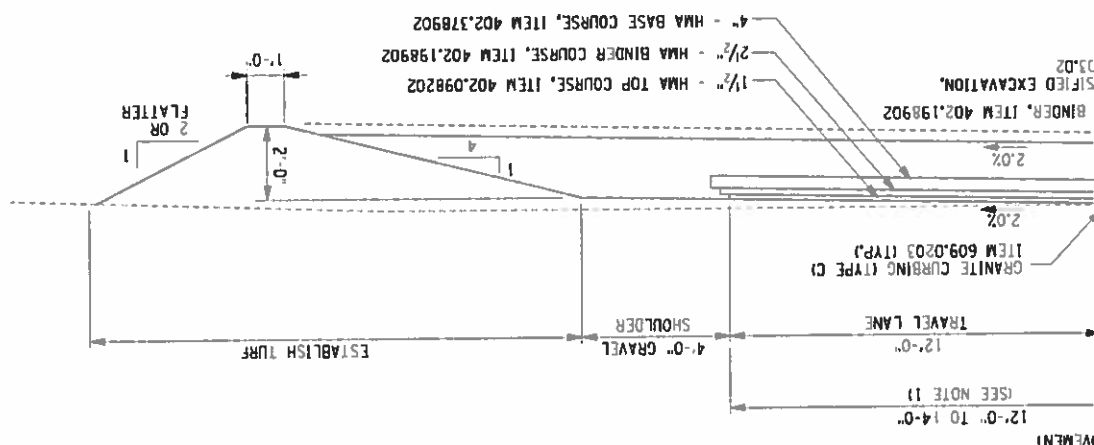
36+50.00

SECTION WITH PAVEMENT & BERM



31+60.00

SECTION WITH PAVEMENT



36+75.00

NOTES:

1. ROAD WIDTH PAVEMENT VARIES FROM 12'-0" TO 14'-0" AT STATIONS 19+90.00 TO 20+40.00 AND 14'-0" TO 12'-0" AT STATIONS 20+60.00 TO 21+10.00.
2. 4'-0" WIDE RAISED MEDIAN IS LOCATED AT STA. 20+40.00 TO STA. 20+60.00.

Project Number
1580.002.001

Sheet Number
C-9

AS SHOWN

Date
NOVEMBER, 2015



Barton
McQuinn
and
Guidice, D.P.C.

TOWN OF LANSING

CARGILL GLOBAL BUSINESS SERVICES
CAYUGA MINE #4 SHAFT PROJECT

TYPICAL SECTIONS

TOMPKINS COUNTY, NEW YORK

NO. AT LOCATION	REVISIONS

By _____ Date _____

Checked _____ Date _____

Significant Construction Changes are Shown

COMPLETED CONSTRUCTION

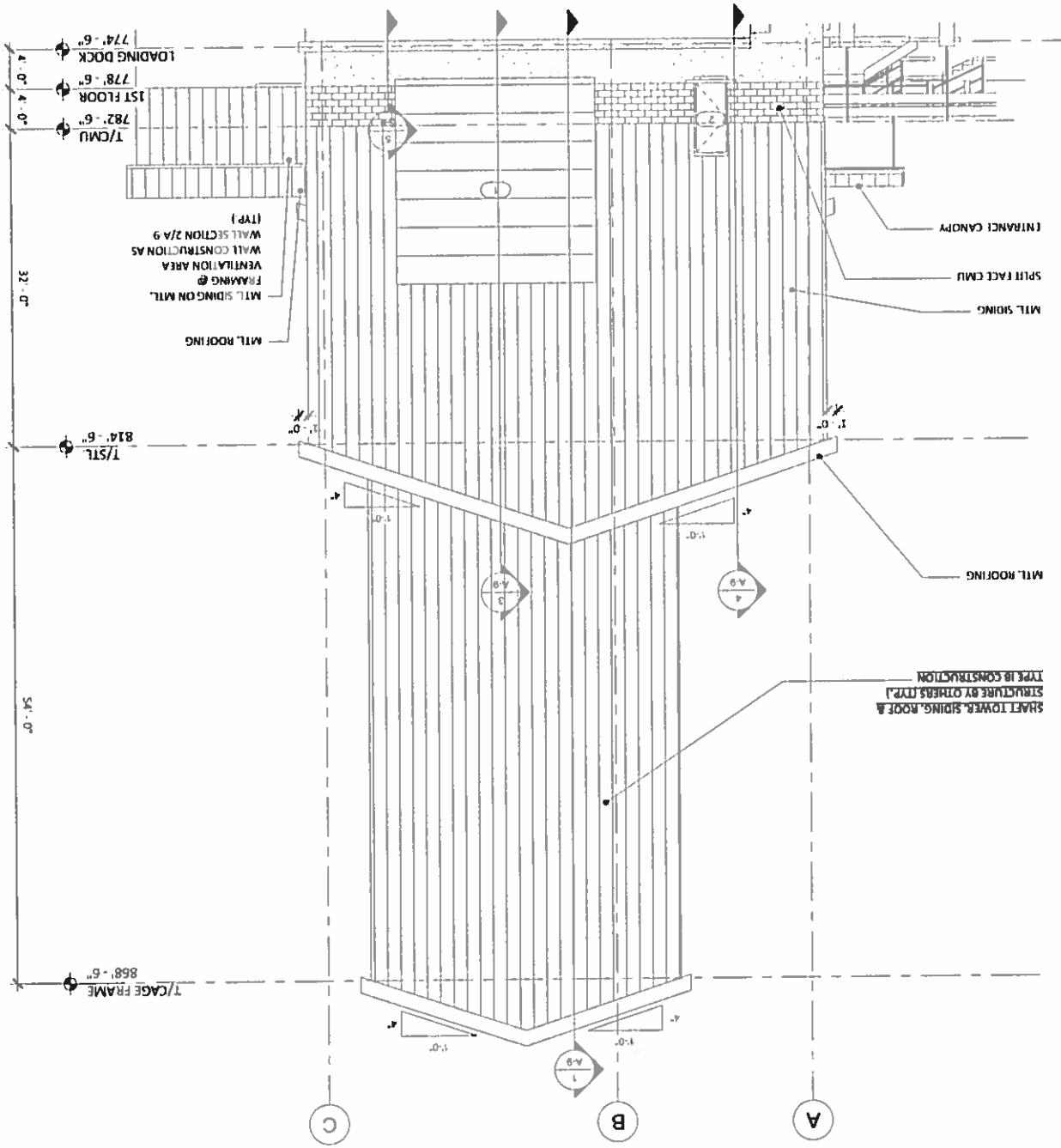
NO ALTERATION PERMITTED

HEREON EXCEPT AS PROVIDED UNDER SECTION 7709

SUBDIVISION 2 OF THE N.E.P.

NEW YORK STATE EDUCATION LAW

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



NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 2209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW	COMPLETED CONSTRUCTION	Significant Construction Changes Are Shown	By _____ Date _____	REVISIONS	THOMPkins COUNTY, NEW YORK	NORTH & SOUTH ELEVATIONS CARGILL GLOBAL BUSINESS SERVICES CAYUGA MINE #4 SHAFT PROJECT			Date NOVEMBER, 2015	Scale AS SHOWN	Sheet Number A-5	Project Number 1580.002
					TOWN OF LANSING							

1580.002

Project Number

A-6

Sheet Number

AS SHOWN

Scale

NOVEMBER, 2015

Date



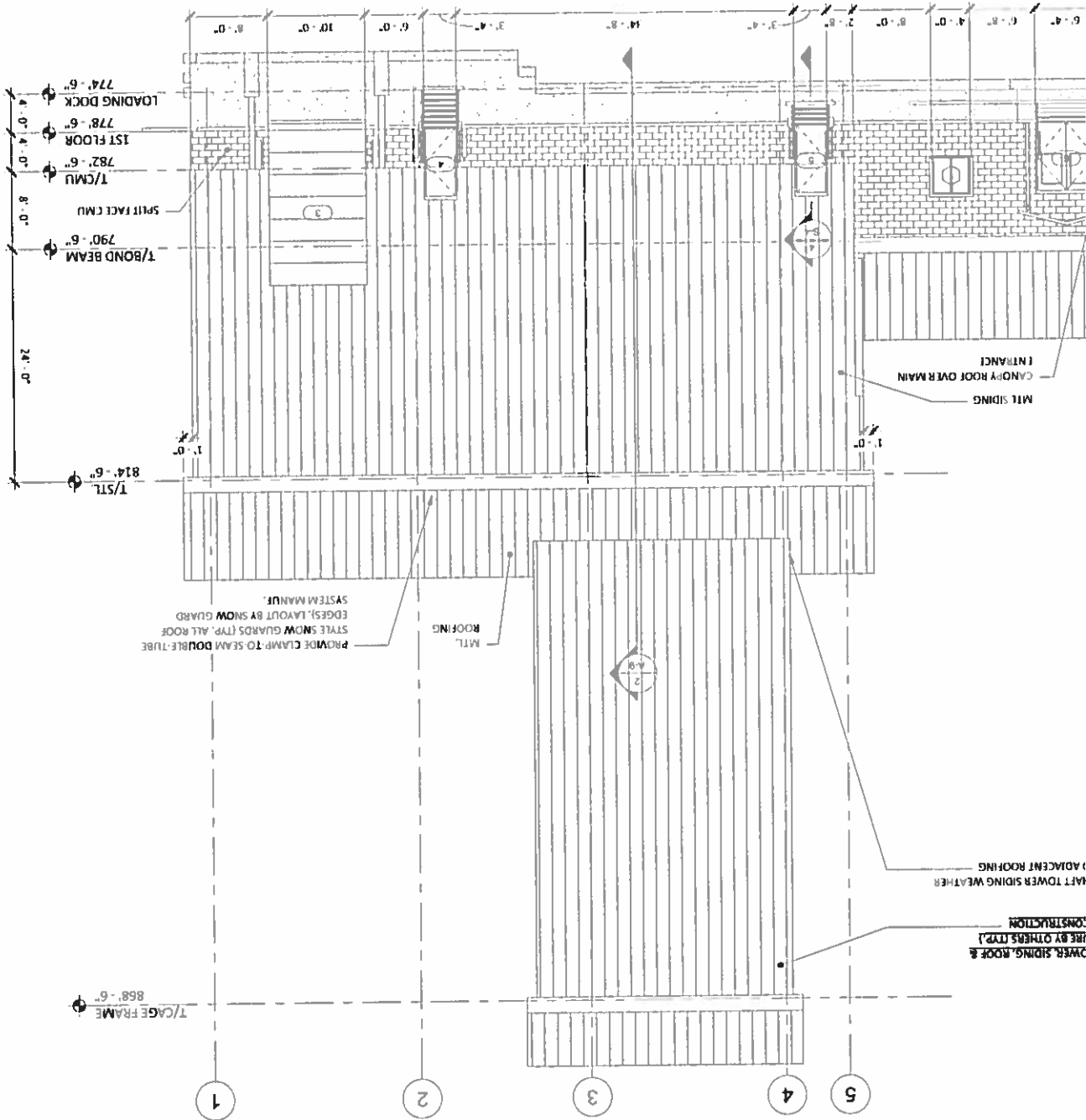
Barton
Bognidice, D.P.C.

TOWN OF LANSING

WEST ELEVATION

CARGILL GLOBAL BUSINESS SERVICES
CAYUGA MINE #4 SHAFT PROJECT

THOMPSON COUNTY, NEW YORK



FAST TOWER SIDING WEATHER
CONSTRUCTION
(SEE BY OTHERS (TYP.)
FOR CONSTRUCTION

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 208 OF THE NEW YORK STATE EDUCATION LAW

REVISIONS	By	Date

COMPLETED CONSTRUCTION

Sightlines Construction
Changes Are Shown

By _____ Date _____
C.R.D. _____ Date _____

1580.002

Project Number

A-7

Sheet Number

AS SHOWN

Scale

NOVEMBER 2015

Date



Barton
B & P
Cognidice, D.P.C.

TOWN OF LANSDALE

EAST ELEVATION

CARGILL GLOBAL BUSINESS SERVICES
CAYUGA MINE #4 SHAFT PROJECT

THOMPSON COUNTY, NEW YORK

NO ALTERATION PERMITTED
HEREON EXCEPT AS PROVIDED
UNDER SECTION 2309
OF THE NEW
YORK STATE EDUCATION LAW

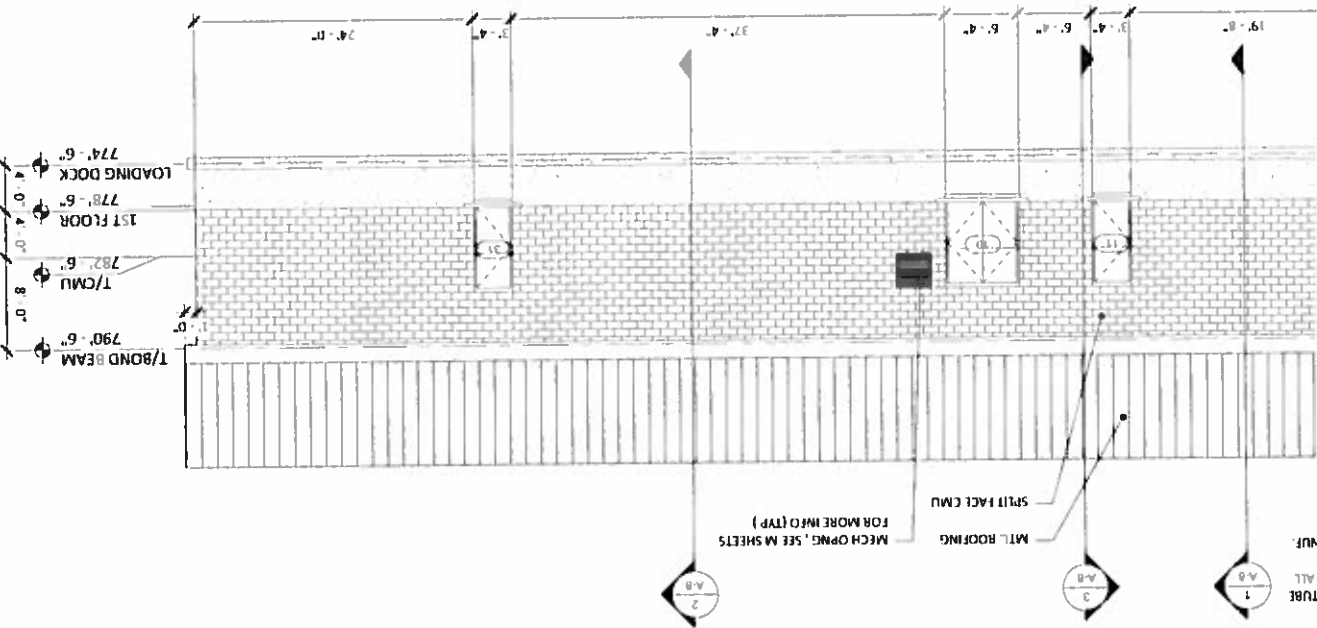
COMPLETED CONSTRUCTION

Significant Construction
Changes Are Shown

By _____ Date _____

Cl'd _____ Date _____

REVISIONS



NO ALTERATION PERMITTED
HEREON EXCEPT AS PROVIDED
IN SECTION 2707
SUBDIVISION 7 OF THE NEW
YORK STATE EDUCATION LAW

COMPLETED CONSTRUCTION

Significant Construction Changes Are Shown

By _____ Date _____

Check _____ Date _____

REVISIONS

NO ALTERATION PERMITTED
HEREON EXCEPT AS PROVIDED
IN SECTION 2707
SUBDIVISION 7 OF THE NEW
YORK STATE EDUCATION LAW

THOMPSON COUNTY, NEW YORK

HOIST BLDG. FLOOR PLAN & NOTES

CARGILL GLOBAL BUSINESS SERVICES
CAYUGA MINE #4 SHAFT PROJECT

TOWN OF LANSHING

ARTON
Bartone
& Tognidice, D.P.C.

DATE NOVEMBER, 2015

Scale AS SHOWN

Sheet Number A-15

Project Number 1580.002

NO ALTERATION PERMITTED
HEREON EXCEPT AS PROVIDED
IN SECTION 2707
SUBDIVISION 7 OF THE NEW
YORK STATE EDUCATION LAW

BUILDING CODE OF NEW YORK STATE (BCI) REVIEW:
BUILDING INFORMATION: 2,668 SF, 1 STORY, 35'-3" HEIGHT FROM GRADE PLANE TO THE AVERAGE HEIGHT OF THE HIGHEST ROOF SURFACE, TYPE VB CONSTRUCTION

NYS BC CHAPTER 3:
OCCUPANCY: F-2

NYS BC CHAPTER 5:
ALLOWABLE BUILDING AREA: 13,000 SF (WITHOUT SPRINKLER OR FRONTAGE INCREASE)

ACTUAL BUILDING AREA: 2,668 SF
ALLOWABLE BUILDING HEIGHT: 2 STORY, 40'-0" HEIGHT
ACTUAL: 1 STORY, 35'-3" HEIGHT

NYS BC CHAPTER 6:
TYPE VB CONSTRUCTION

FIRE-RESISTANCE RATING REQUIREMENTS:
STRUCTURAL FRAME: 0 HOURS
EXTERIOR BEARING WALLS: 0 HOURS
INTERIOR BEARING WALLS: 0 HOURS
FLOOR CONSTRUCTION: 0 HOURS
ROOF CONSTRUCTION: 0 HOURS

1 HOUR RATING PROVIDED FOR SPRINKLER FIRE PUMP ROOM
FIRE SEPARATION DISTANCE: PROVIDE MIN. 20'-0" CLEARANCE TO BUILDING

NYS BC CHAPTER 8:
INTERIOR FINISHES:

EXIT ENCLOSURES AND EXIT PASSAGeways: CLASS B MINIMUM
CORRIDORS: CLASS C MINIMUM
ROOMS AND ENCLOSED SPACES: CLASS C MINIMUM

NYS BC CHAPTER 9:
AUTOMATIC SPRINKLER SYSTEMS: NOT REQUIRED PER BC.

PROVIDED PER MINING CODE
FIRE ALARM AND DETECTION SYSTEM: NOT REQUIRED

NYS BC CHAPTER 10:
OCCUPANT LOAD: 27 (INDUSTRIAL, 100SF EA)

MEANS OF EGRESS ILLUMINATION: REQUIRED
EXIT SIGNS: NOT REQUIRED
PANIC HARDWARE: NOT REQUIRED
COMMON PATH OF EGRESS TRAVEL: 100'-0" MAX. (F-2 WITH SPRINKLER)
ONE EXIT ALLOWED
EXIT ACCESS TRAVEL DISTANCE: 400'-0" MAX.

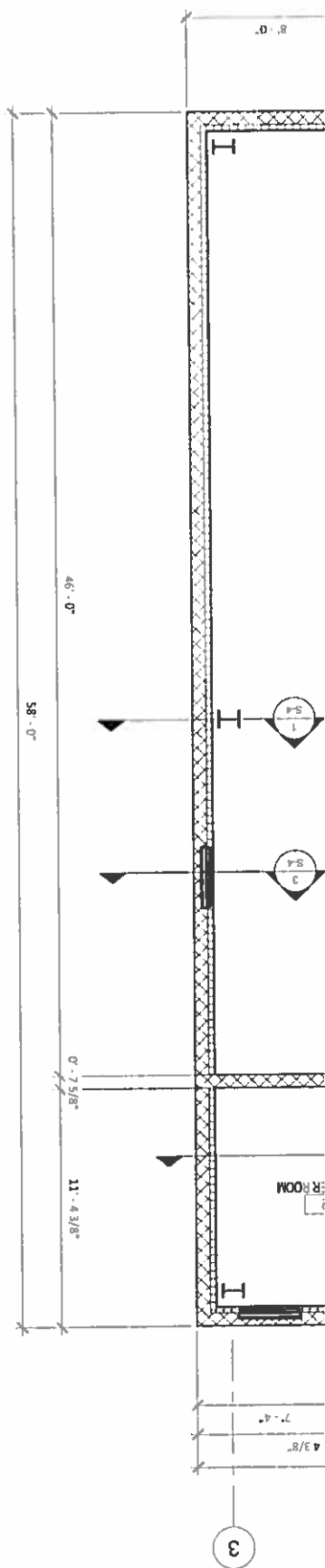
NYS BC CHAPTER 11:
ACCESSIBILITY:

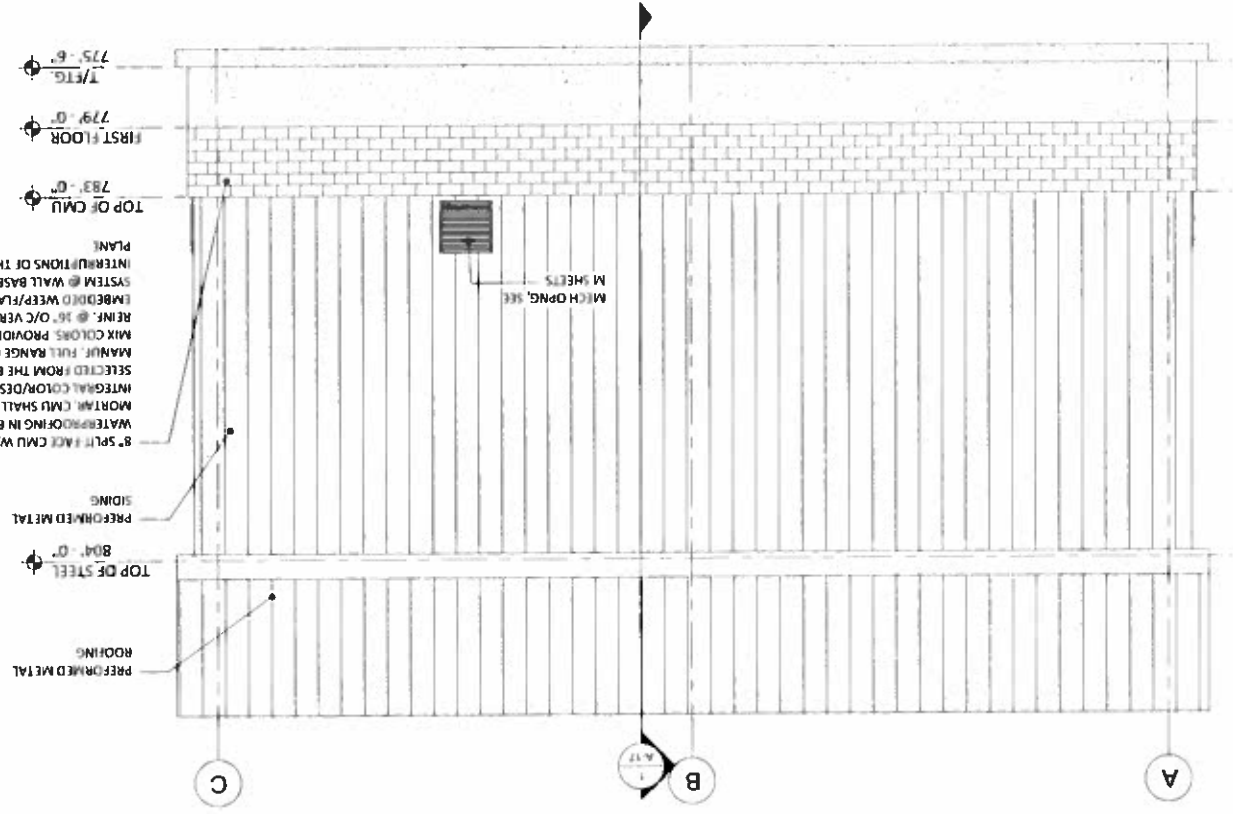
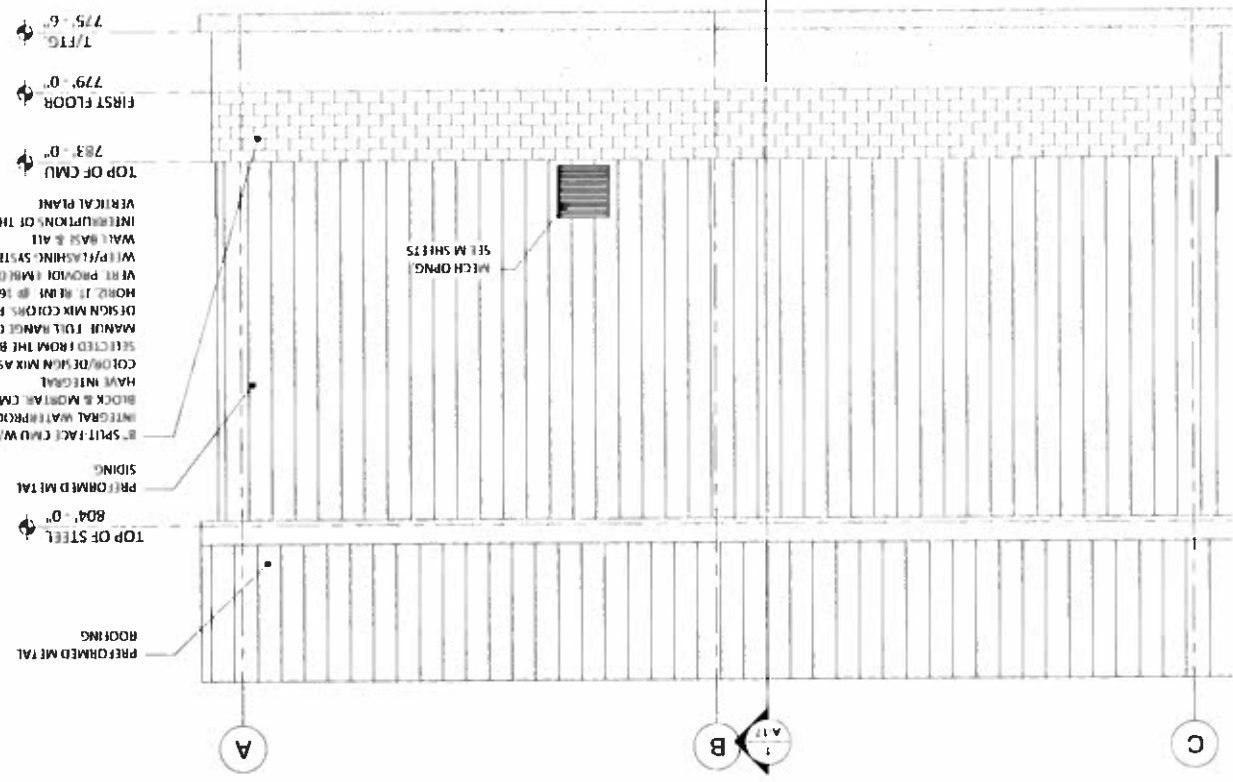
SITE ARRIVAL POINTS: REQUIRED
PARKING AND PASSENGER LOADING: REQUIRED
ROUTE FROM SITE ARRIVAL TO ACCESSIBLE BUILDINGS: REQUIRED
ENTRANCES: BOTH PUBLIC ENTRANCES REQUIRED TO BE ACCESSIBLE
ROUTES WITHIN BUILDINGS: REQUIRED
TOILET FACILITIES: LOCATED WITHIN 500' AT THE ADMINISTRATION BUILDING

ROOF DESIGN CRITERIA:
WIND UPLIFT PERFORMANCE:
ATTACH THE ROOFING SYSTEM PER MANUFACTURER'S REQUIREMENTS TO CONFORM WITH UPLIFT DESIGN REQUIREMENTS

ROOF WIND UPLIFT DESIGN LOAD:
FIELD: 60 PSF MIN.
PERIMETER: 75 PSF MIN.
CORNERS: 120 PSF MIN.

CORNER SIZE: 5'-0" x 5'-0"
PERIMETER SIZE: 5'-0" WIDE





Project Number
1580.002

Street Number
A-16

AS SHOWN

Date
NOVEMBER, 2015



Barton
Boquidge, D.P.C.

TOWN OF LANESING

CARGILL GLOBAL BUSINESS SERVICES
CAYUGA MINE #4 SHAFT PROJECT

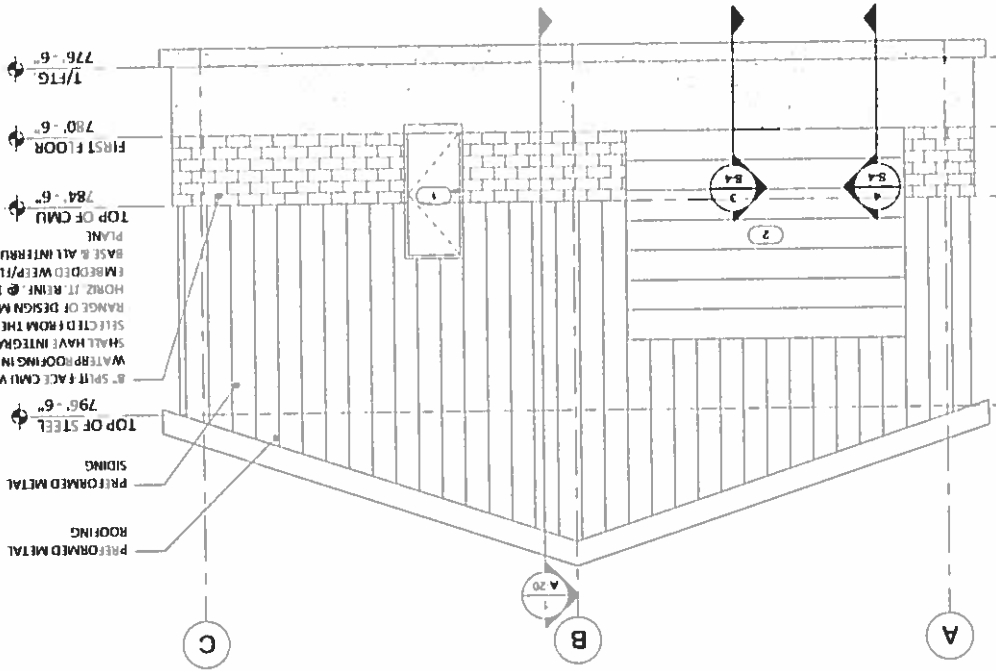
ELEVATIONS

THOMPSON COUNTY, NEW YORK

NO ALTERATION PERMITTED	HERON EXCEPT AS NOTED	UNDER SECTION 2008	SMALLER OF THE NEW	YORK STATE EDUCATION LAW
COMPLETED CONSTRUCTION	Significant Construction Changes Are Shown	By _____ Date _____	CRD _____ Date _____	REVISIONS

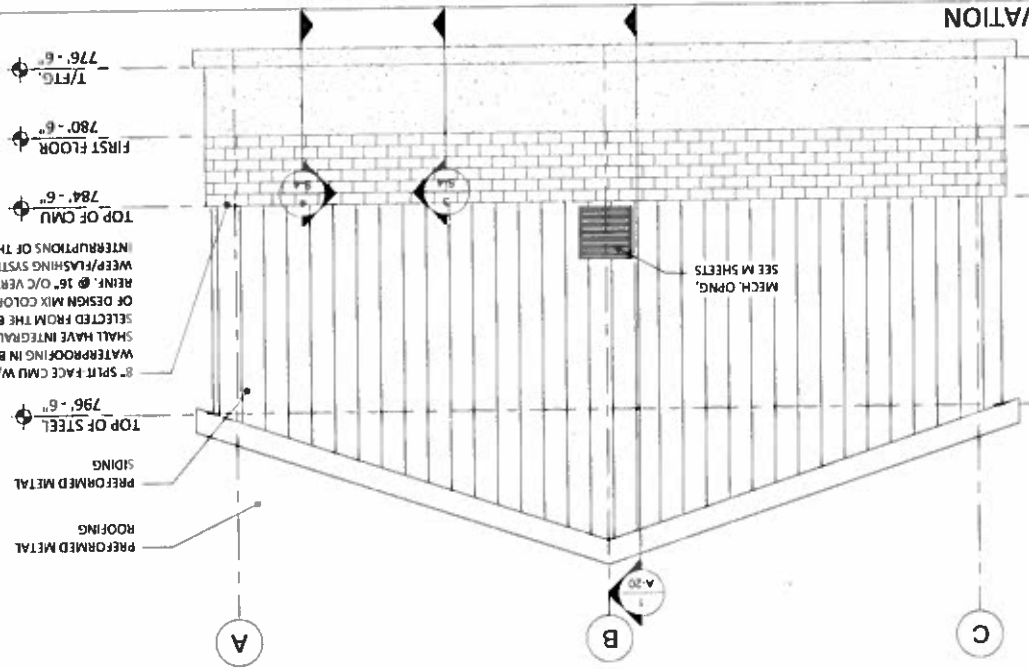
WEST ELEVATION

SCALE: 3/16" = 1'-0"



EAST ELEVATION

SCALE: 3/16" = 1'-0"



1580.002

Project Number

A-19

Sheet Number

AS SHOWN

Scale

NOVEMBER, 2015

Date



Barton
Bogudice, D.P.C.

TOWN OF LANSING

CARILL GLOBAL BUSINESS SERVICES
CAYUGA MINE #4 SHAFT PROJECT

ELEVATIONS

THOMPSONS COUNTY, NEW YORK

NO.	DATE	DESCRIPTION

REVISIONS

By _____ Date _____
Crd _____ Date _____

Significant Construction Changes Are Shown

COMPLETED CONSTRUCTION

NO ALTERATION PERMITTED
HEREON EXCEPT AS PROVIDED
UNDER SECTION 7-206
OF THE NEW YORK STATE EDUCATION LAW