STATE OF NEW YORK
OFFICE OF GENERAL SERVICES
DESIGN AND CONSTRUCTION GROUP
THE GOVERNOR NELSON A. ROCKEFELLER
EMPIRE STATE PLAZA
ALBANY, NY 12242

ADDENDUM NO. 3 TO PROJECT NO. 45331

CONSTRUCTION WORK
PROVIDE EXPANDED MIDWAY AND RV SITES
NEW YORK STATE FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY

January 15, 2016

NOTE: This Addendum forms a part of the Contract Documents. Insert it in the Project Manual. Acknowledge receipt of this Addendum in the space provided on the Bid Form.

BIDDING REQUIREMENTS

1. **DOCUMENT 001117 ADVERTISEMENT FOR BIDS:** The last day for receipt of bids is changed from Wednesday, January 20, 2016 to **Tuesday**, January 26, 2016 at 2:00PM.

2. **DOCUMENT 001117 ADVERTISEMENT FOR BIDS PROJECT LABOR AGREEEMENT**: Add Joseph Astheimer (Gilbane – Telephone 609-947-4478), Matt Simone (Gilbane – Telephone 315-882-6088), Nick Poupalos (OGS – Telephone 716-998-0942) and Tim Ebersole (OGS – Telephone 716-238-6954) as designated contacts.

CHANGES TO ADDENDUM NO. 1

3. **DOCUMENT 002219 SUPPLEMENTARY INSTRUCTIONS TO BIDDERS – QUALIFICATIONS OF BIDDERS AND MANDATORY PRE-AWARD SUBMITTAL REQUIREMENTS**: The Mandatory Pre-Award Meeting scheduled for January 27, 2016, will be re-scheduled for January 29, 2016.

SPECIFICATIONS

4. **223301 DOMESTIC WATER HEATERS:** Discard the section bound in the project manual and replace with the accompanying sections (pages 223301 – 1 thru 223301 – 3).

5. **224223 SHOWERS: D**iscard the section bound in the project manual and replace with the accompanying sections (pages 224223 – 1 thru 224223 – 3).

6. **237313 AIR HANDLING UNITS:** Discard the section bound in the project manual and replace with the accompanying sections (pages 237313 – 1 thru 237313 – 4).

7. **PROJECT SITE SAFETY PROGRAM:** Add the attached document to the Appendix of the Project Manual.

DRAWINGS

8. **Revised Drawings:**
   A. Drawing Nos. A-100, A-200, A-302, A-400, A-500 and A-600 dated January 8, 2016 accompany this Addendum and supercede the same numbered originally issued drawings.
   B. Drawing Nos. C-100A thru C-100O, C-120A thru C-120L, C-130A, C-130C, C-130D, C-130F thru C-130L, C-150A, C150C, C150D, C-150F thru C-150O, and C-500 dated January 8, 2016 accompany this Addendum and supercede the same numbered originally issued drawings.
   C. Drawing Nos. E-110C, E-110G thru E-110I, E-120 thru E-121, E-504, E-601 thru E-603, E-605, E-607 dated January 8, 2016 accompany this Addendum and supercede the same numbered originally issued drawings.
   D. Drawing Nos. M-101, M-102 and M-601 dated January 8, 2016 accompany this Addendum and supercede the same numbered originally issued drawings.
   E. Drawing Nos. S-001, S-101, S-102, S-301, S-111 thru S-11, S-401, S-402, S-501, S-502 dated January 8, 2016 accompany this Addendum and supercede the same numbered originally issued drawings.

9. **Drawing No. C-001:**
   A. Add the following note: The following items will be pre-purchased and provided to the Contractor for installation: Sanitary sewer manholes, storm water manholes and catch basins, decorative fence and gates, site furnishings (benches, trash receptacles) and brick.

END OF ADDENDUM

Margaret F. Larkin
Executive Director
Design and Construction

SECTION 223301

DOMESTIC WATER HEATER

PART 1 GENERAL

1.01 RELATED WORK SPECIFIED ELSEWHERE

A. Pipe and Pipe Fittings: Section 221000.

B. Valves: Section 220523.

C. Strainers: Section 221126.

1.02 SUBMITTALS

A. Product Data:
1. Submit manufacturer's catalog sheets, performance charts, test data, specifications and installation instructions for each storage water heater.
2. Venting materials and components (concentric vent kit, etc.).

B. Contract Closeout Submittals:
1. Operation and Maintenance Data: Deliver 2 copies, covering the installed products, to the Director's Representative.

1.03 QUALITY ASSURANCE

A. Requirements of Regulatory Agencies: Fabricate and stamp heating elements and storage tanks in accordance with Section IV, Part HLW of the ASME code. Water heater will be National Board Registered for a working pressure of 150 psi and will be pressure tested at 1-1/2 times working pressure.

B. Test Reports: Prior to the approval of lined tanks, the Director may, at his option, require a Certificate of Analysis of the tank lining material issued by a accredited testing laboratory. Conduct tests in accordance with ASTM C 150, Method C-109. Test shall verify that the lining is capable of meeting the following requirements:
1. Compressive Strength: Minimum of 7,000 psi, after three days.
2. Tensile Strength: Minimum of 650 psi, after three days.
3. Absorption: Maximum of 1.0% after twenty four hours absorption.
4. Shrinkage: Maximum of 0.02% after seven days in moist air.

1.04 WARRANTY

A. Storage tank shall be covered by a minimum five-year warranty covering manufacturing or material defects, leaks and /or the production of rusty water. Tank coverage shall include failure due to scale buildup with no provision or condition for maintenance or inspections and no limitations on water chemistry.

B. Heat exchanger and combustion chamber shall be covered by a minimum five-year warranty covering manufacturing or material defects, leaks, and/or the production of rusty water.

C. Burner and all heater parts shall be covered by a one-year warranty.

PART 2 PRODUCTS

2.01 ELECTRIC WATER HEATER

A. Tank: Welded steel, factory tested at 300 psi and rated for 150 psi working pressure.
   1. Glass lining permanently bonded to tank interior surface.
   2. Tank nipples factory installed.
   3. Renewable magnesium anode.
   4. Corrosion resistant dip tube.
   5. Drain and relief valve tappings.
   6. Renewable bronze boiler drain.

B. Heating Elements: Immersion type, replaceable; 75 watts per square inch maximum watt density.

C. Thermostat: Adjustable, interlocked with overheat control, including automatic shut-off.

D. Wiring: Factory interwired, requiring only a single field electric connection to put the heater into service.

E. Outer Casing: Steel with baked enamel or acrylic finish.
   1. Access door for servicing thermostats and heating elements.

F. Pressure-Temperature Relief Valve: AGA Z21.22; bronze body with stainless steel internals and threaded blow-off connection.

PART 3 EXECUTION

3.01 INSPECTION

A. Upon placement of storage heater in its permanent location in the building and prior to making piping connections, the Director's Representative will inspect the tank lining for quality of installation and workmanship.

3.02 INSTALLATION

A. Install heaters so as to allow for removal of heating elements and ease of access through tank manholes, without disturbing installed equipment or piping.

B. Secure support base plates to concrete housekeeping pad.

END OF SECTION

SECTION 224223

SHOWERS

PART 1 GENERAL

1.01 RELATED WORK SPECIFIED ELSEWHERE

A. Pipe and Pipe Fittings: Section 221100.

B. Sealants: Section 079200.

1.02 SUBMITTALS

A. Product Data: Manufacturer's catalog sheets, specifications, and installation instructions for each item including location and size of openings for shower head and mixing valve.

1.03 QUALITY ASSURANCE

A. Regulatory Requirements:
   1. Comply with applicable requirements of FS WW-P-541 unless otherwise specified.
   2. Materials and installations designated as handicapped accessible shall conform with the following:
      a. ANSI A117.1 - Buildings and Facilities - Providing Accessibility and Usability for Physically Handicapped People.
      b. The Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities (ADAAG), (Appendix A to 28 CFR Part 36).
      c. The Uniform Federal Accessibility Standards (UFAS), (Appendix A to 41 CFR Part 101-19.6).

1.04 MAINTENANCE

A. Special Tools: One tool for each type and size vandal resistant fasteners.

PART 2 PRODUCTS

2.01 MATERIALS

A. Shower Receptor: N/A.

B. Showers, General
   1. Shower Materials and Fabrication
      a. Exposed Parts finish: Type 304 stainless steel or chrome-plated brass.

b. Nominal stainless steel thickness: 0.050 inch (1.3 mm) minimum.
c. Valve Bodies: Solid brass castings.
d. Supply Inlets, Individual Showers: 1/2-inch NPT, 24-inch (610 mm) long flexible stainless steel hoses unless otherwise indicated.
e. Supply Inlets, Group Showers: 3/4-inch (19 mm) Type L rigid copper

C. Shower (SH-1)
1. ADA/ABA Compliant Individual Coverall Wall.
2. Basis-of-Design Product: Bradley Corporation Model No. WS-1WCA.
3. Standards: ASME A112.18.1/CSA B125.1 and ASSE 1016.
4. Shower Head: Fixed direction, adjustable spray.
5. Shower Valve:
   a. Hot/Tempered and Cold Supplies: Pressure balancing valve.
6. Flow Control: 1.5 gpm.
7. Soap Dish: Attached
8. Vertical Shroud: Floor to Ceiling Height = 8’-0”.

D. Shower (SH-2 - ADA)
1. ADA/ABA Compliant Individual Coverall Wall.
2. Basis-of-Design Product: Bradley Corporation Model No. WS-1WCA-ADA.
3. Standards: ASME A112.18.1/CSA B125.1 and ASSE 1016.
4. Shower Head: Hand-held shower head on 60-inch, 1/2-inch NPT flexible SS hose with inline backflow preventer, quick disconnect, and bracket.
5. Shower Valve:
   1. Hot/Tempered and Cold Supplies: Pressure balancing valve.
6. Flow Control: 1.5 gpm.
7. Soap Dish: Attached.
8. Vertical Shroud: Floor to Ceiling Height = 8’-0”.

PART 3 EXECUTION

3.01 INSTALLATION

A. Install the Work of this section in accordance with the manufacturer’s printed installation instructions except as specified otherwise.

B. Mounting Heights (Unless otherwise indicated): Distance between finished floor and centerline of item.
1. Standard Showers:
   a. Shower Heads: 76 inches.
   b. Mixing Valves: 54 inches.
2. Handicapped Accessible Showers:
   a. Shower Heads:
      1) Fixed Type: 48 inches.

b. Operating Controls (diverters, metering valves, mixing valves, etc.): 38 inches (minimum), 48 inches (maximum).

C. Operate mixing valve through its entire range; check for rated capacity.

D. Set mixing valve at full hot position and check delivered water temperature. Adjust the temperature limit stop for maximum 105 degrees F delivered water temperature.

E. Calk the space between wall shower units, shrouds (where required), and walls with Type 1D sealant; strike a neat joint.

3.02 CLEANING

A. Remove protective coatings and thoroughly clean all exposed surfaces after all other trades have completed their Work.

END OF SECTION

SECTION 237313

AIR HANDLING UNITS

PART 1 GENERAL

1.01 RELATED WORK SPECIFIED ELSEWHERE

A. Motors and Motor Controllers: Section 260221.

1.02 SUBMITTALS

A. Waiver of Submittals: The "Waiver of Certain Submittal Requirements" in Section 013300 does not apply to this Section.

B. Product Data:
   1. Catalog sheets, brochures, performance charts, standard schematic drawings, specifications and installation instructions for each air handling unit.

C. Contract Closeout Submittals:
   1. Operation and Maintenance Data: Deliver 2 copies, covering the installed products, to the Director's Representative.

PART 2 PRODUCTS

2.01 GENERAL

A. Electric air heater for outdoor installation, fully modulating variable air volume make-up air unit with air intake hood, filter, damper, VFD driven supply fan, electric heating elements, roof curb, and all necessary accessories and controls.

2.02 UNIT CASING

A. The support frame shall be made of welded black iron C-shaped structural steel; painted after the welds have cooled. The walls and roof shall be double wall and built with minimum 18 gauge G-90 galvanized steel exterior panels with 2-inch thick reinforced-coated fiberglass insulating material (1.5 lb/ft3) and 22G G-90 galvanized internal liner. Each panel shall not exceed 20 inches wide. The outer surfaces of the unit shall be treated with a phosphoric acid cleaner, cleaned and dried then covered with a single component primer, with a finish coat of industrial alkyd enamel. Each unit section shall have a hinged access door with gaskets

B. Entire casing shall be insulated with one inch reinforced coated fiberglass, except at the exchanger section where insulation shall be suitable for high temperature and double wall with galvanized steel interior liner.

C. The floor shall be made of 16 GA G-90 galvanized steel and shall be insulated with a 2-inch fiberglass insulation with a 22 GA G-90 subfloor.

D. All prewired electrical controls (120V and 24V) will be inside with a large surface access panel and separated from high voltage powering.

E. The access doors will be equipped with quick opening knob handles and equipped with a lockable device.

2.03 ELECTRIC COILS

A. Electric coil shall be open type element approved by CSA and UL standards. Standard open coil elements shall be made of NiCr 60 (grade C) composed of 60% Nickel, 16% Chrome and 24% Iron, designed for a maximum operating temperature of 1,850ºF. The coil elements shall be insulated by floating ceramic bushings from the galvanized steel frame. Coil terminal pins shall be stainless steel insulated by means of non-rotating ceramic bushings.

B. Electric coil shall be equipped with built-in high limit cut-outs, magnetic contactors as required, control transformer, and airflow sensor, as per UL/CSA requirements.

C. Cut-outs shall be shielded from accidental impact, and shall de-energize the heater in case of insufficient air flow.

D. Coil assembly shall include: load fuses, pressure electric switch, pilot lights, stage contactors and NEMA 4X control box.

2.04 FANS

A. The fan will be manufactured according to the Air Movement and Control Association standards.

B. The fan and motor will be equipped with vibration insulators and fixed on a galvanized steel structure without welding.

C. The fan wheel shall be mounted on pillow block bearings.

D. An access door will be provided to enable the maintenance of the fan, motor, bearings, belts and pulleys.

E. The motor will be an TEFC type premium efficiency. It will be installed on a base to enable the adjustment of the belt tension and the alignment of the pulleys. The blower will be centrifugal type, double width and double inlets with forward curved blades and will be entirely made of galvanized steel.

2.05 FILTERS

A. The filters will be pleated, 2-inch thick disposable type MERV 8, installed in galvanized steel rails.

2.06 AIR INTAKE

A. The air intake will be equipped with galvanized steel bird screen and rain gutter to eliminate water entrainment. The filters and the air intake will be designed for a maximum inlet velocity of 500 feet per minute.

2.07 DAMPERS

A. The inlet air dampers will be made of galvanized steel without welding, will have opposed blades and equipped with a modulating actuator.

2.08 MOTOR CONTROLLERS

A. Type AS-PMW Adjustable Speed motor controller shall be provided, mounted and wired by the MAU manufacturer. Refer to specification section 260221.

2.09 UNIT CONTROLS

A. The main electrical supply will designed for single point power. An air modulation sensor to be installed in the supply duct and/or in the space shall be shipped loose.

B. Control system to include but not limited to:
   1. Automatic two-position electric motorized damper actuator with spring return and end limit switch
   2. Non-fused main electrical disconnect switch in a NEMA 3R enclosure
   3. Adjustable speed motor controller (see Section 260221)..
   4. Main power transformer.
   5. 120 Volt control circuits.
   6. Air flow proving switch.
   7. SCR temperature controller and discharge air sensor.
   8. High and low temperature cutouts.

C. Remote panel with the following:
   1. Blower on light
   2. Heater on light
   3. Clogged filter light
   4. Discharge temperature selector

D. Unit to be internally pre-wired to junction box with power and control wiring connection terminals.

2.10 UNIT ACCESSORIES

A. 17” high roof curb, providing for a minimum of 30” from the base of the curb to the bottom of the OA intake hood.

B. Provide startup of the unit by an authorized representative of the unit manufacturer.

PART 3 EXECUTION

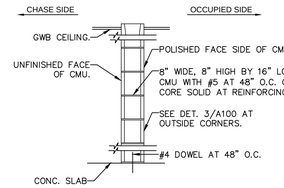
3.01 INSTALLATION

A. Install the Work of this Section in accordance with the manufacturer's printed instructions.

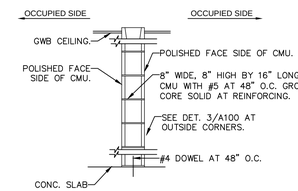
END OF SECTION

WALL TYPES:

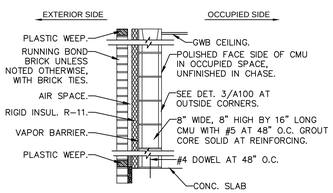
1 CMU CHASE PARTITION

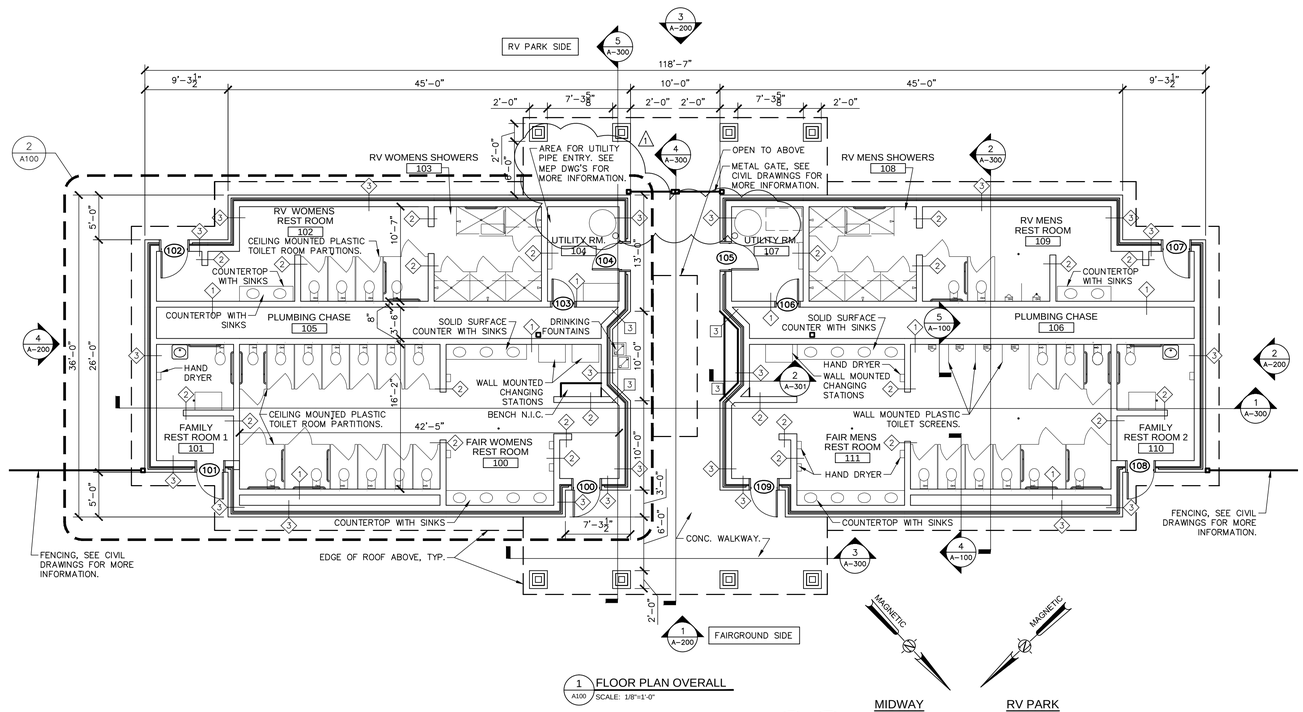


2 CMU PARTITION BOTH SIDES

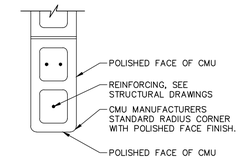


3 CMU BRICK EXTERIOR WALL

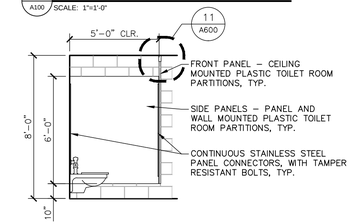




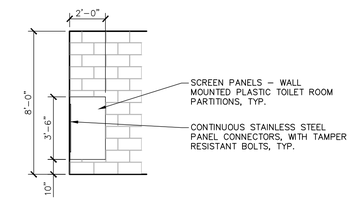
1 FLOOR PLAN OVERALL
A100 SCALE: 1/8"=1'-0"



3 TYP. EXPOSED OUTSIDE CMU CORNERS
A100 SCALE: 1"=1'-0"



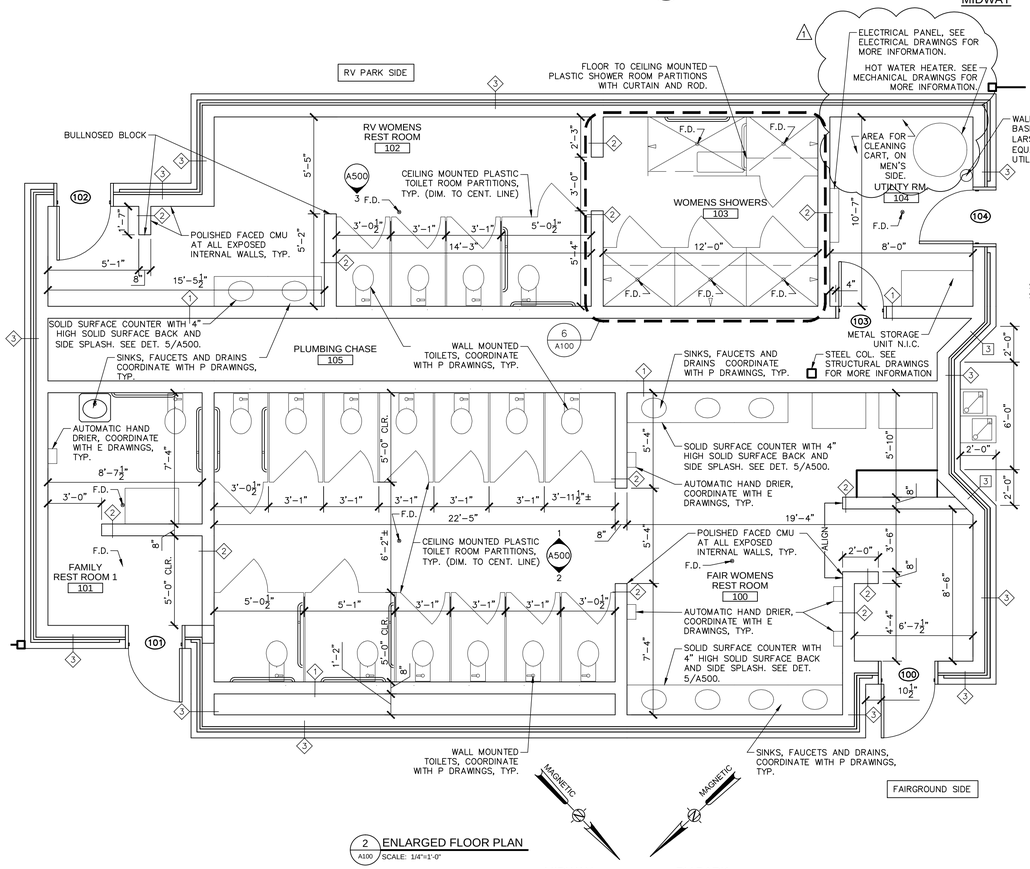
4 TYP. TOILET STALL SECTION
A100 SCALE: 1/4"=1'-0"



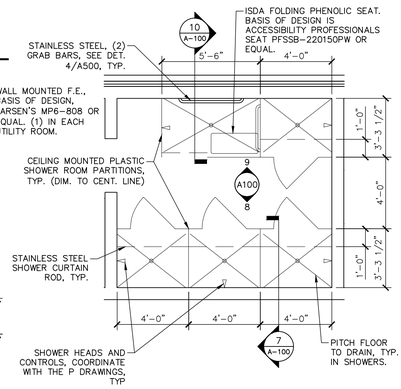
5 TYP. SCREEN SECTION
A100 SCALE: 1/4"=1'-0"

NOTES:

1. RESTROOMS ARE THE SAME AT MIDWAY AREA AND RV PARK SITE. (2) RESTROOMS WILL BE CONSTRUCTED AS PART OF THIS PROJECT.
2. ENLARGED FLOOR PLAN IS OF THE WOMEN'S SIDE OF THE BUILDING. MEN'S SIDE IS MIRROR IMAGE. ALL DIMENSIONS ARE TYPICAL FOR BOTH MEN'S AND WOMEN'S SIDES UNLESS NOTED OTHERWISE. REPLACE TOILET WITH URINAL AND CEILING MOUNTED PLASTIC PARTITION WITH WALL MOUNTED SCREEN PANEL, AS INDICATED IN PLAN 1/A100 ON THE MEN'S SIDE OF THE BUILDING.
3. THE TYPICAL MOUNTING HEIGHTS AND SPACING FOR THE RESTROOM FIXTURES ARE INDICATED IN DETAIL 4/500.
4. SEE THE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS MORE INFORMATION ON RESTROOM FIXTURES INCLUDING BUT NOT LIMITED TO TOILETS, URINAL, SINKS, FAUCETS DRAINS, HAND DRIERS, ETC. THESE ITEMS SHOW HERE ARE FOR COORDINATION ONLY.



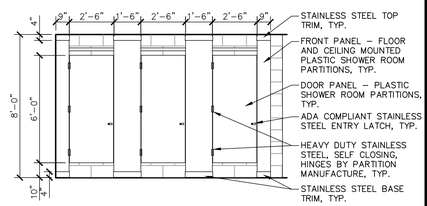
2 ENLARGED FLOOR PLAN
A100 SCALE: 1/4"=1'-0"



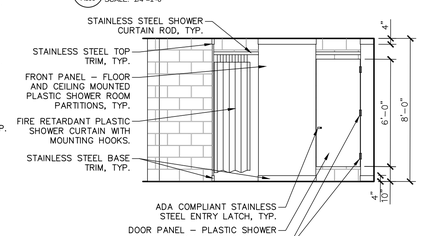
6 TYP. SHOWER ROOM PLAN
A100 SCALE: 1/4"=1'-0"

NOTES:

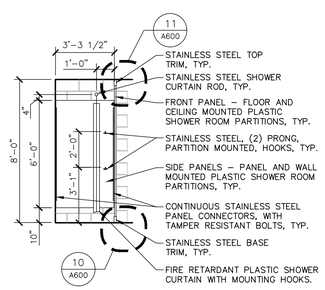
TYP. SHOWER ROOM PLAN SHOWS RV WOMEN'S SHOWER SIDE. RV MEN'S SHOWER SIDE IS THE SAME BUT MIRRORED.



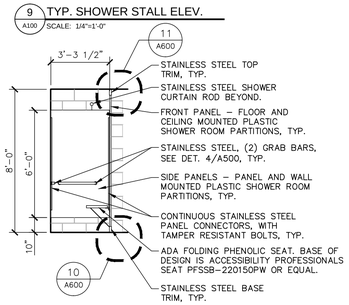
8 TYP. SHOWER STALL ELEV.
A100 SCALE: 1/4"=1'-0"



9 TYP. SHOWER STALL ELEV.
A100 SCALE: 1/4"=1'-0"



7 TYP. SHOWER STALL SECTION
A100 SCALE: 1/4"=1'-0"



10 HCP. SHOWER STALL SECTION
A100 SCALE: 1/4"=1'-0"

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

Engineering and Land Surveying, P.C.

WARNING:

THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS 'A' MISDEMEANOR.

CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

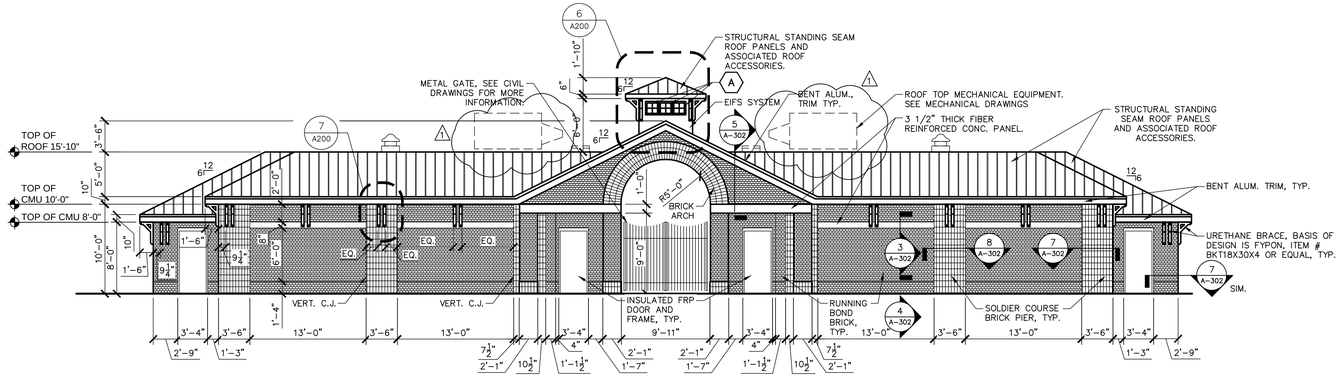
PROJECT NUMBER:	45331 – C
DESIGNED BY:	MM
DRAWN BY:	MM
FIELD CHECK:	
APPROVED:	CMD

SHEET TITLE:
RESTROOM PLANS

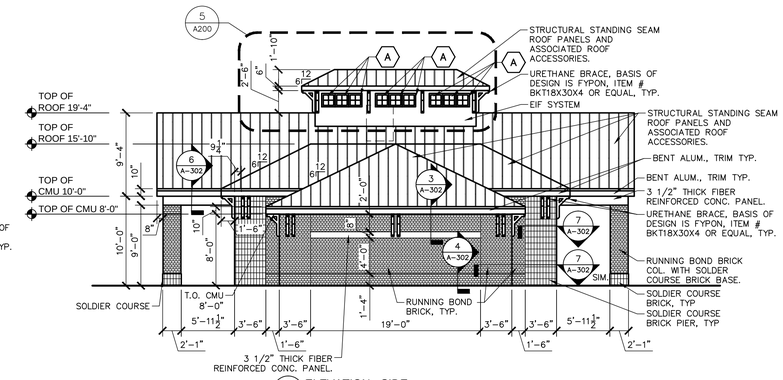
DRAWING NUMBER:
A–100

SHEET OF

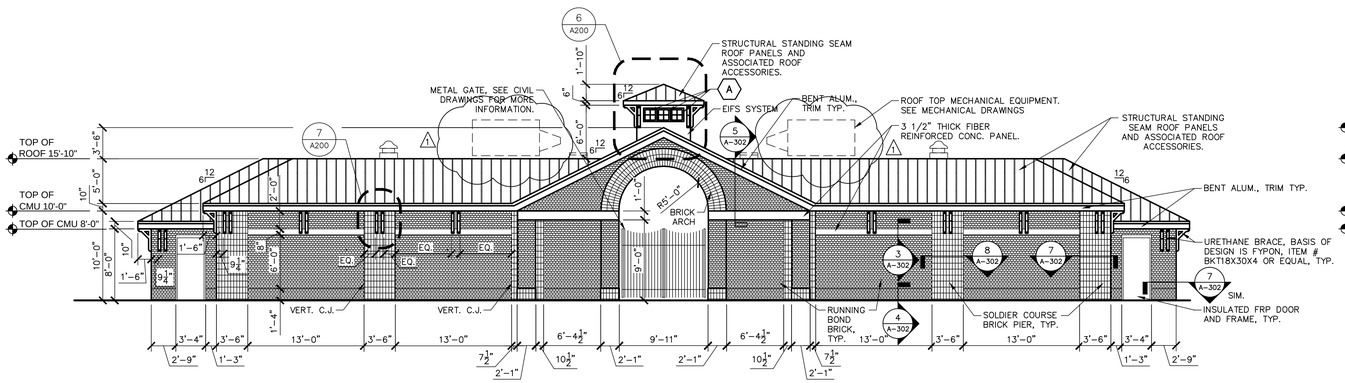
36x24 PLOT SHEET



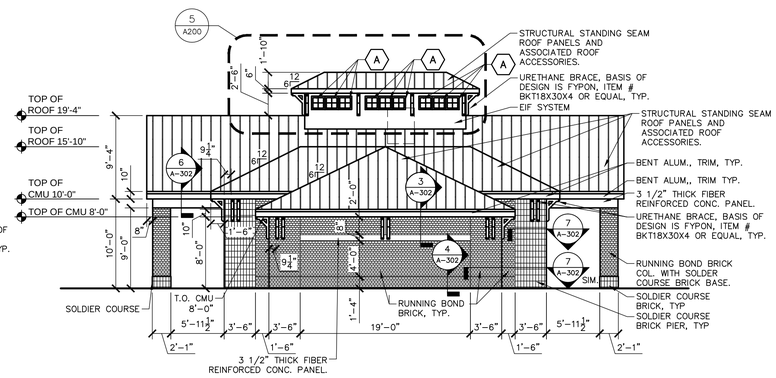
1 A200 ELEVATION - FAIRGROUND SIDE
SCALE: 1/8"=1'-0"



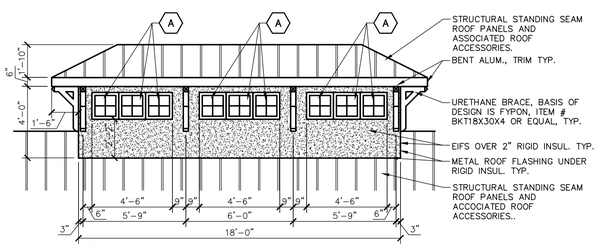
2 A200 ELEVATION - SIDE
SCALE: 1/8"=1'-0"



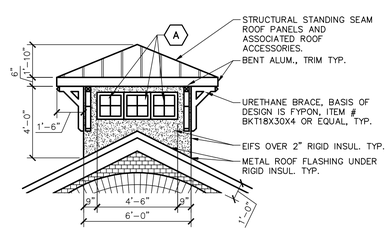
3 A200 ELEVATION - RV PARK SIDE
SCALE: 1/8"=1'-0"



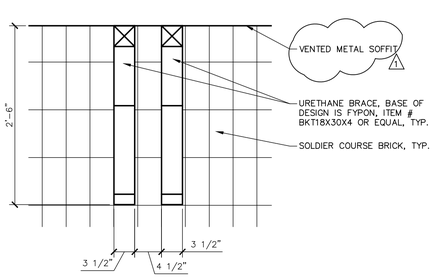
4 A200 ELEVATION - SIDE
SCALE: 1/8"=1'-0"



5 A200 CUPOLA SIDE ELEVATION
SCALE: 1/4"=1'-0"



6 A200 CUPOLA END ELEVATION
SCALE: 1/4"=1'-0"



7 A200 TYPICAL DUEL KNEE BRACE DETAIL
SCALE: 1"=1'-0"

NOTE:

RESTROOMS ARE THE SAME AT MIDWAY AREA AND RV PARK SITE. (2) RESTROOMS WILL BE CONSTRUCTED AS PART OF THIS PROJECT.

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

Engineering and Land Surveying, P.C.

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

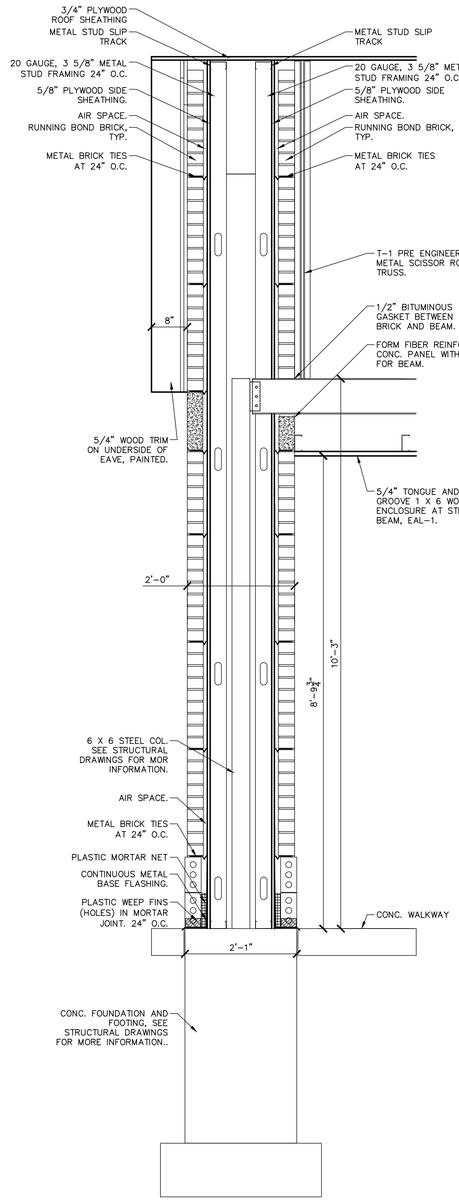
PROJECT NUMBER:	45331 – C
DESIGNED BY:	MM
DRAWN BY:	MM
FIELD CHECK:	
APPROVED:	CMD

SHEET TITLE:
RESTROOMS ELEVATIONS

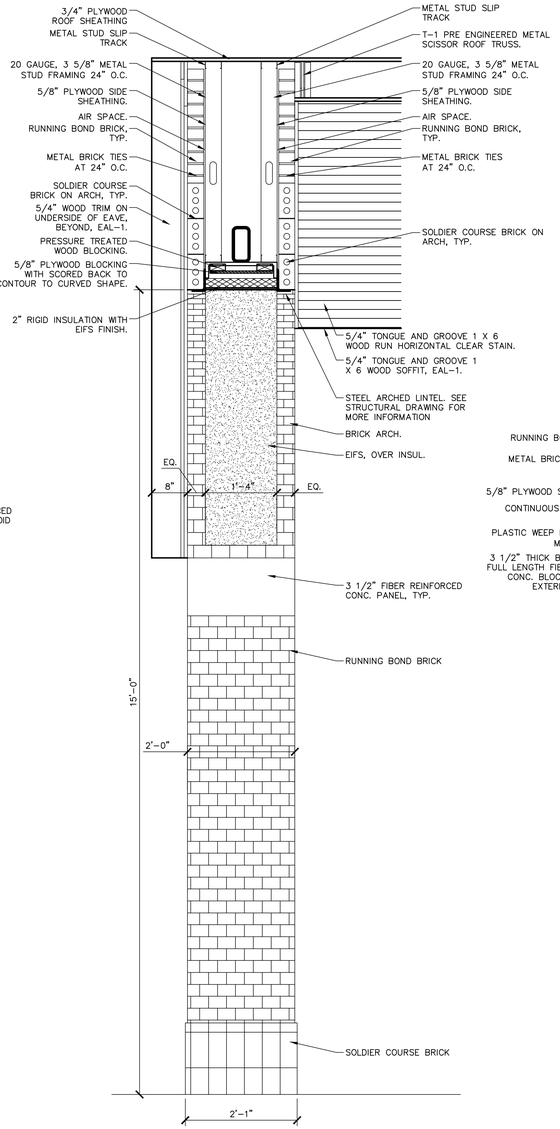
DRAWING NUMBER:
A–200

SHEET OF

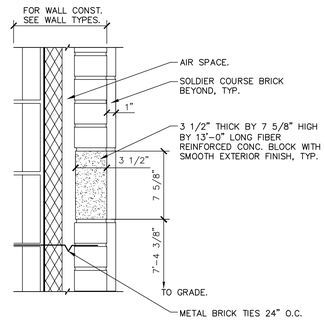
36x24 PLOT SHEET



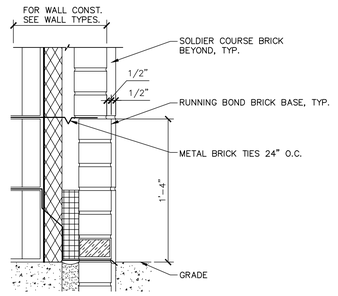
1 COLUMN SECTION
A302 SCALE: 3/4"=1'-0"



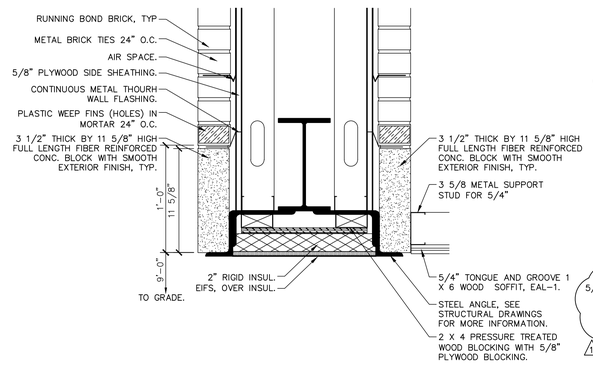
2 ARCH SECTION
A302 SCALE: 3/4"=1'-0"



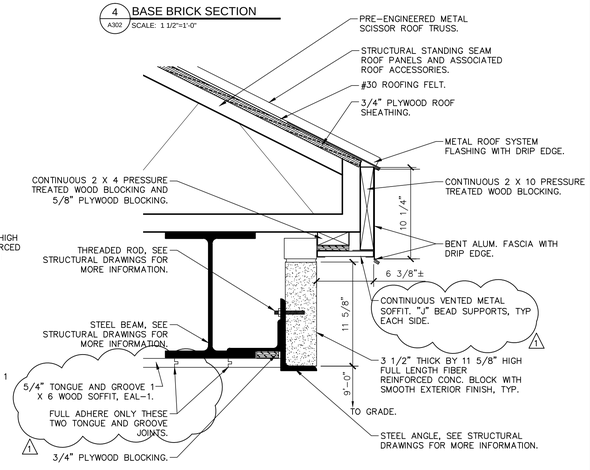
3 FIBER REINFORCED CONC. BAND
A302 SCALE: 1 1/2"=1'-0"



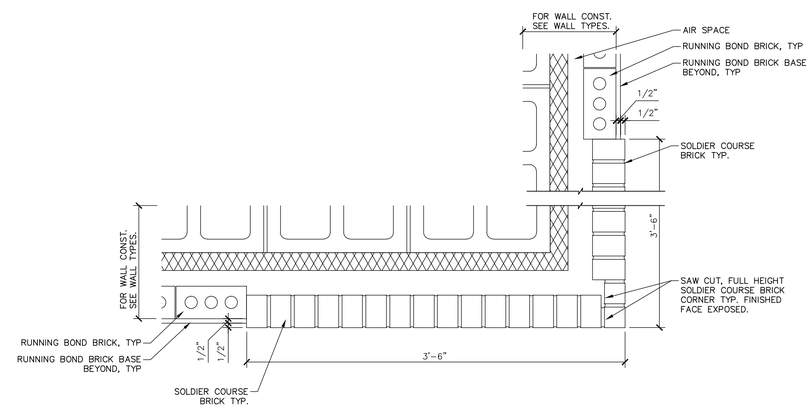
4 BASE BRICK SECTION
A302 SCALE: 1 1/2"=1'-0"



5 FIBER REINFORCED CONC. LINTEL
A302 SCALE: 1 1/2"=1'-0"



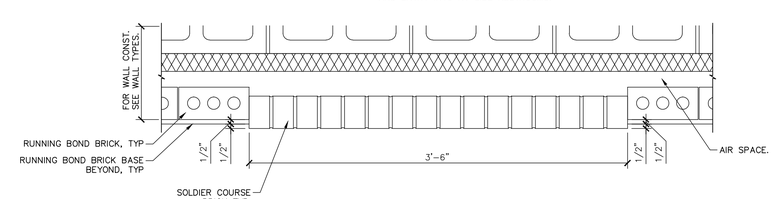
6 FIBER REINFORCED CONC. AT FASCIA
A302 SCALE: 1 1/2"=1'-0"



7 SOLDIER COURSE BRICK CORNER
A302 SCALE: 1 1/2"=1'-0"

NOTE:

RUNNING BOND BRICK IN PLACE OF SOLDIER COURSE BRICK AT OUTSIDE CORNER OF FAMILY RESTROOMS AND ENTRY INTO RV SIDE RESTROOMS.



8 SOLDIER COURSE BRICK PIER
A302 SCALE: 1 1/2"=1'-0"

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SYRACUSE, NY 13209

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NYS DEPARTMENT OF AGRICULTURE & MARKETS

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	12/04/15	FINAL SUBMISSION

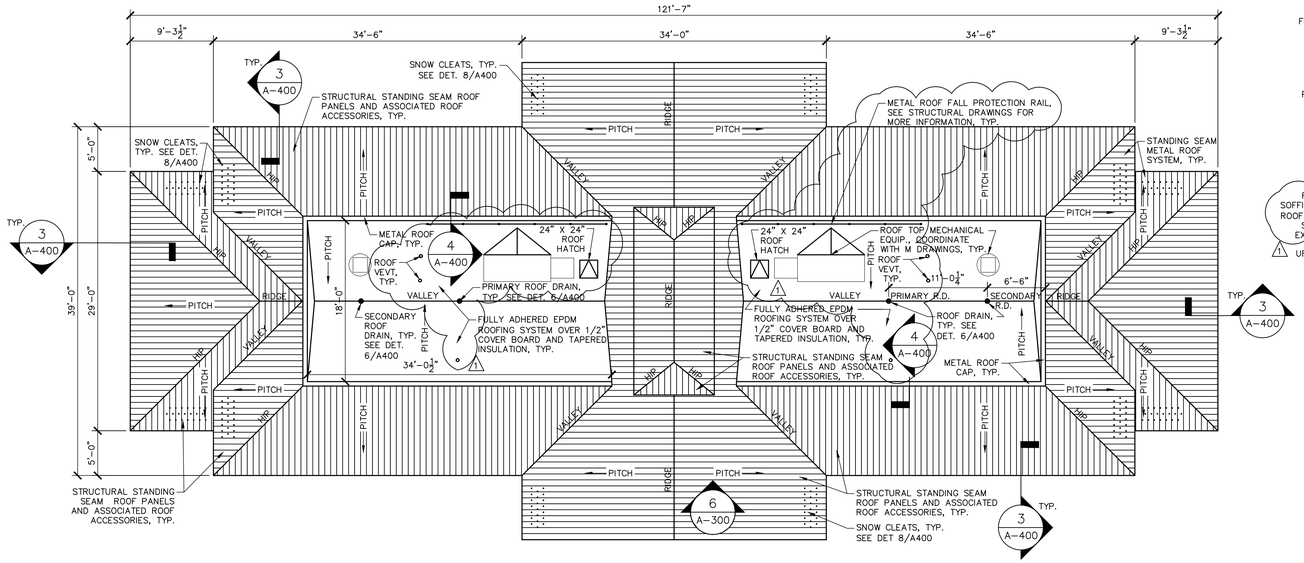
PROJECT NUMBER:	45331 – C
DESIGNED BY:	MM
DRAWN BY:	MM
FIELD CHECK:	
APPROVED:	CMD

SHEET TITLE:
RESTROOMS WALL SECTIONS

DRAWING NUMBER:
A–302

SHEET OF

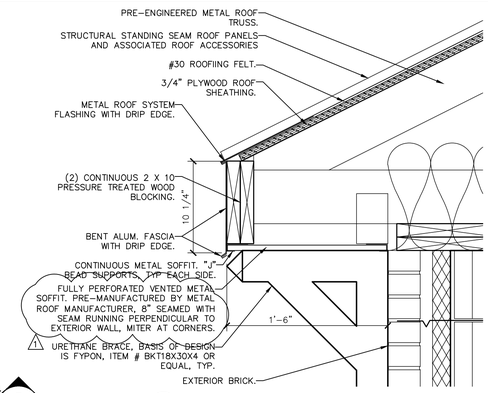
36x24 PLOT SHEET



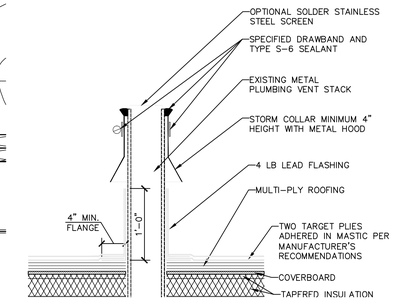
1 ROOF PLAN
A400 SCALE: 1/8"=1'-0"

ROOF NOTES:

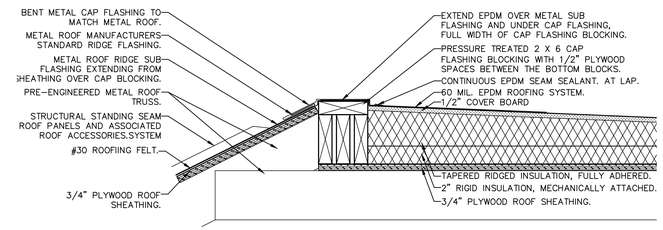
1. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A WEATHER TIGHT ROOFING SYSTEM WITH ALL ASSOCIATED ACCESSORIES ASSOCIATED WITH A COMPLETE SYSTEM. ALL ACCESSORIES SHALL BE AS RECOMMENDED BY THE METAL ROOF MANUFACTURER.
2. THE CONTRACTOR SHALL USE THE METAL ROOF MANUFACTURERS STANDARD CONSTRUCTION DETAILS FOR ANY DETAILS THAT ARE NOT INCLUDED ON THESE DRAWINGS.
3. THE METAL ROOF PANELS SHALL MEET ALL BUILDING CODE OF NEW YORK STATE LOAD AND WIND REQUIREMENTS. SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION.



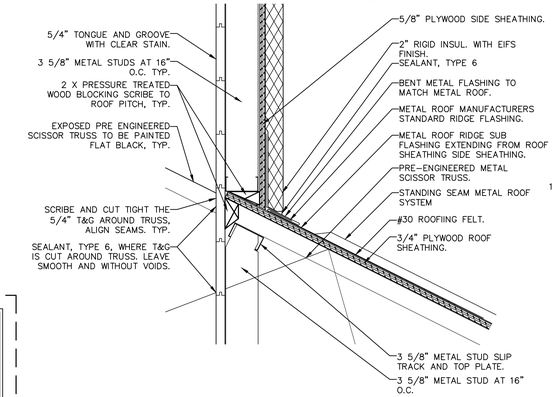
3 METAL ROOF EDGE AND SOFFIT
A400 SCALE: 1 1/2"=1'-0"



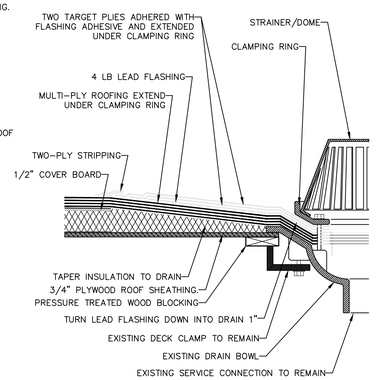
5 TYP. ROOF VENT
A400 SCALE: 3"=1'-0"



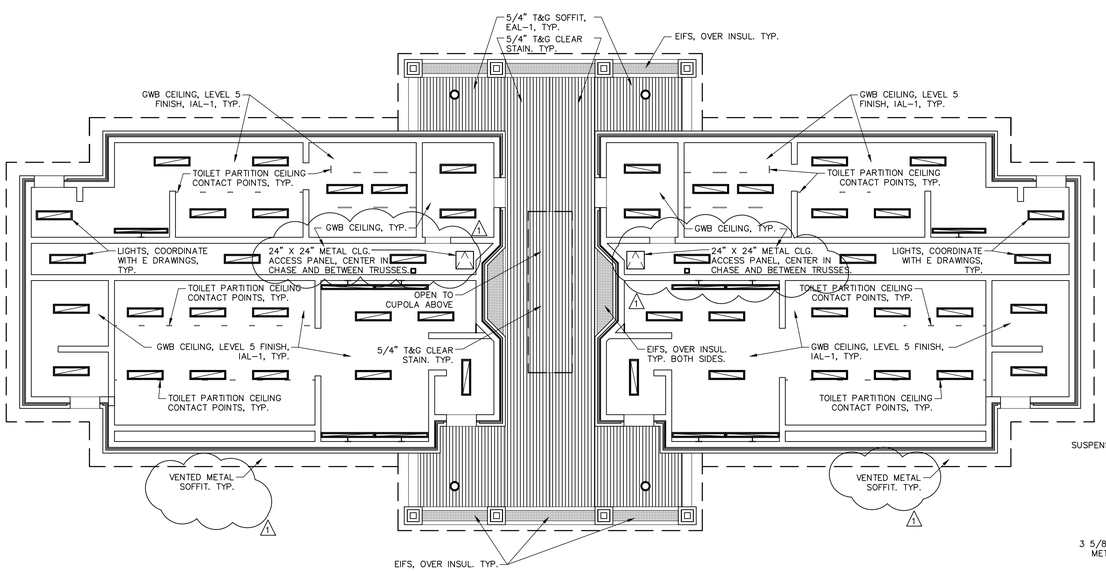
4 METAL ROOF CAP
A400 SCALE: 1 1/2"=1'-0"



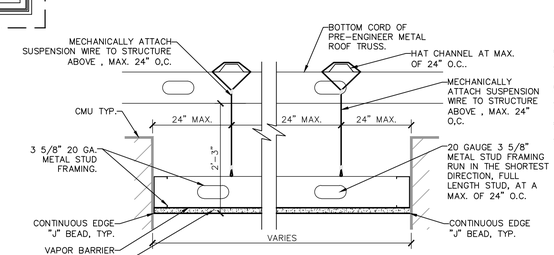
7 METAL ROOF FLASHING AT EIFS
A400 SCALE: 1 1/2"=1'-0"



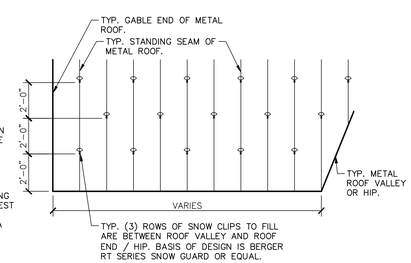
6 ROOF DRAIN
A400 SCALE: 1"=1'-0"



2 REFLECTED CEILING PLAN
A400 SCALE: 1/8"=1'-0"



9 TYP. GWB CEILING SUPPORT
A400 SCALE: 1 1/2"=1'-0"



8 SNOW GUARD AND PATTERN
A400 SCALE: 1/4"=1'-0"

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DESIGN & CONSTRUCTION

CONSULTANT

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LOCATION:
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SYRACUSE, NY 13209

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MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

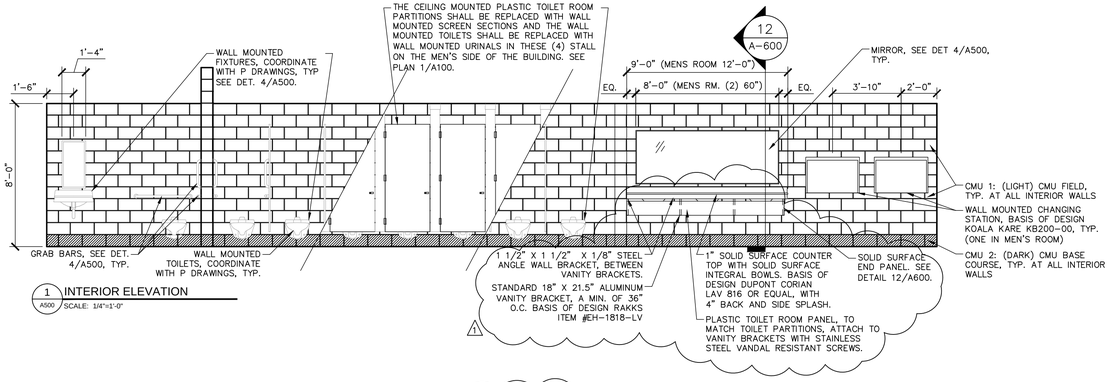
PROJECT NUMBER:	45331 – C
DESIGNED BY:	MM
DRAWN BY:	MM
FIELD CHECK:	
APPROVED:	CMD

SHEET TITLE:
RESTROOMS ROOF AND REFLECTED CEILING PLAN

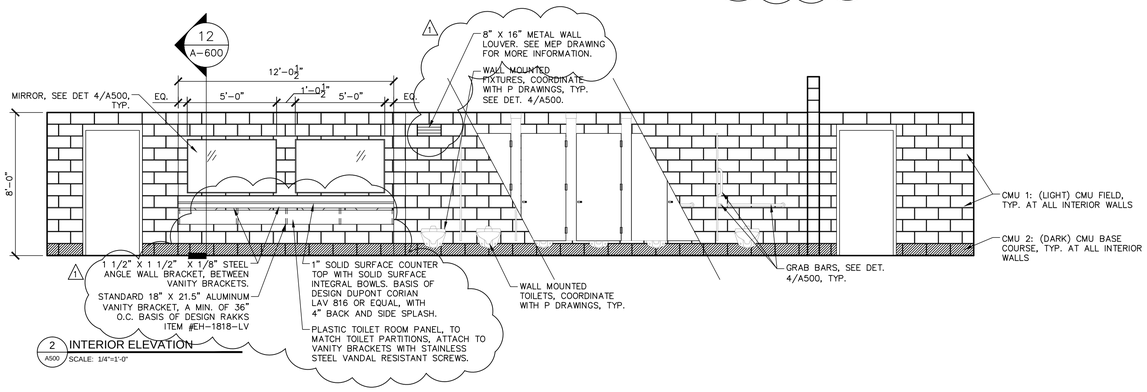
DRAWING NUMBER:
A–400

SHEET OF

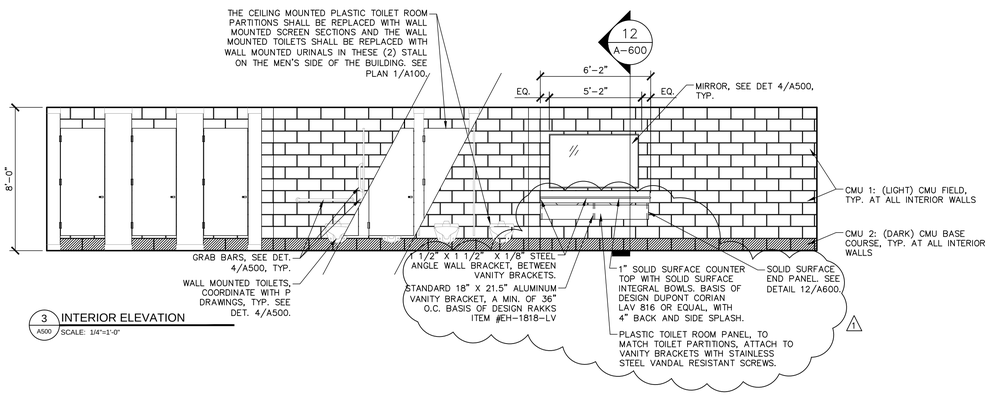
36x24 PLOT SHEET



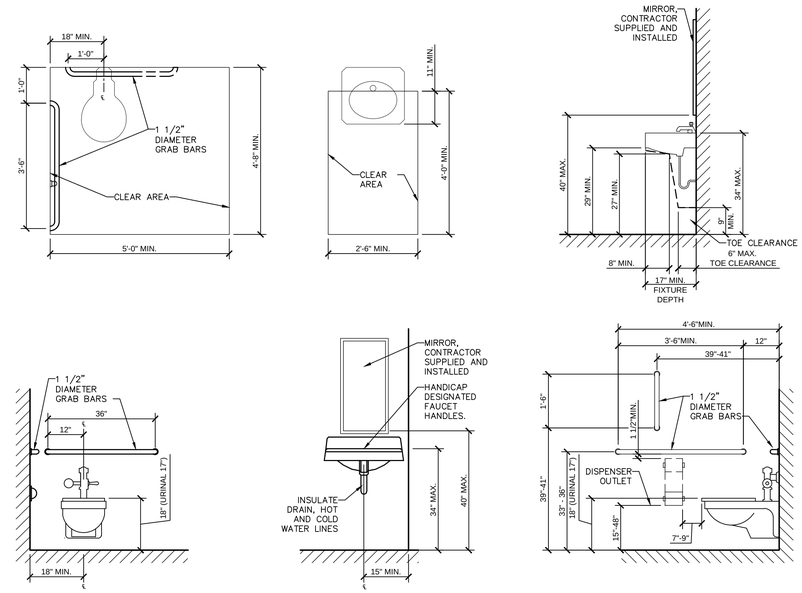
1 INTERIOR ELEVATION
A500 SCALE: 1/4"=1'-0"



2 INTERIOR ELEVATION
A500 SCALE: 1/4"=1'-0"



3 INTERIOR ELEVATION
A500 SCALE: 1/4"=1'-0"

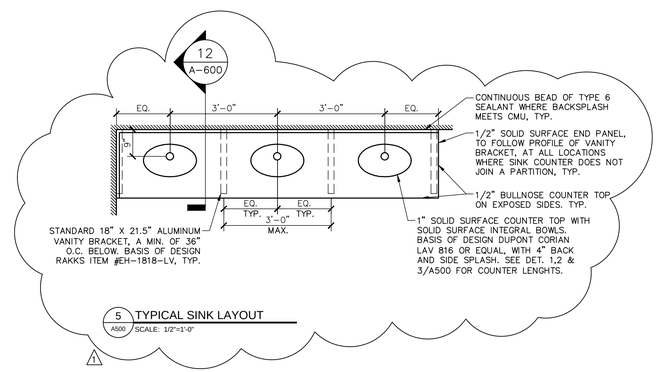


4 TYPICAL TOILET ROOM FIXTURE CLEARANCES
A500 SCALE: 1/2"=1'-0"

STANDARD TOILET ROOM NOTES:

ORIENTATION OF STANDARD TOILET ROOM FIXTURES MAY NOT DEPICT THE ACTUAL ORIENTATION OF THE TOILET ROOM FIXTURES. DIMENSIONS WILL BE MAINTAINED.

DIMENSIONS OF LIKE ITEMS WILL BE CONSISTENT THROUGHOUT PROJECT.



5 TYPICAL SINK LAYOUT
A500 SCALE: 1/2"=1'-0"

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PROJECT NUMBER:	45331 – C
DESIGNED BY:	MM
DRAWN BY:	MM
FIELD CHECK:	
APPROVED:	CMD

SHEET TITLE:
RESTROOM INTERIOR ELEVATIONS

DRAWING NUMBER:
A-500

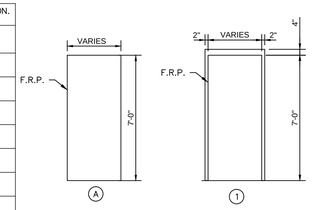
SHEET OF

36x24 PLOT SHEET

DOOR SCHEDULE

* SEE HARDWARE SPECIFICATION SECTION.

NUMBER	TYPE	MATERIAL	SIZE	THICK	FINISH	RATING	HDWR*.	GLASS	FRAME TYPE	FRAME MAT.	FRAME FIN.	FRAME DET.	REMARKS
100	A	INSUL. FRP	3'–0" X 7'–0"	1 3/4	FACTORY FINISH	–	1	–	1	FRP	FACTORY FINISH	1&2/A600	
101	A	INSUL. FRP	3'–0" X 7'–0"	1 3/4	FACTORY FINISH	–	1	–	1	FRP	FACTORY FINISH	1&2/A600	
102	A	INSUL. FRP	3'–0" X 7'–0"	1 3/4	FACTORY FINISH	–	2	–	1	FRP	FACTORY FINISH	1&2/A600	
103	A	FRP	2'–6" X 7'–0"	1 3/4	FACTORY FINISH	–	4	–	1	FRP	FACTORY FINISH	3&4/A600	
104	A	INSUL. FRP	3'–0" X 7'–0"	1 3/4	FACTORY FINISH	–	3	–	1	FRP	FACTORY FINISH	1&2/A600	
105	A	INSUL. FRP	3'–0" X 7'–0"	1 3/4	FACTORY FINISH	–	3	–	1	FRP	FACTORY FINISH	1&2/A600	
106	A	FRP	2'–6" X 7'–0"	1 3/4	FACTORY FINISH	–	4	–	1	FRP	FACTORY FINISH	3&4/A600	
107	A	INSUL. FRP	3'–0" X 7'–0"	1 3/4	FACTORY FINISH	–	7	–	1	FRP	FACTORY FINISH	1&2/A600	
108	A	INSUL. FRP	3'–0" X 7'–0"	1 3/4	FACTORY FINISH	–	1	–	1	FRP	FACTORY FINISH	1&2/A600	
109	A	INSUL. FRP	3'–0" X 7'–0"	1 3/4	FACTORY FINISH	–	1	–	1	FRP	FACTORY FINISH	1&2/A600	

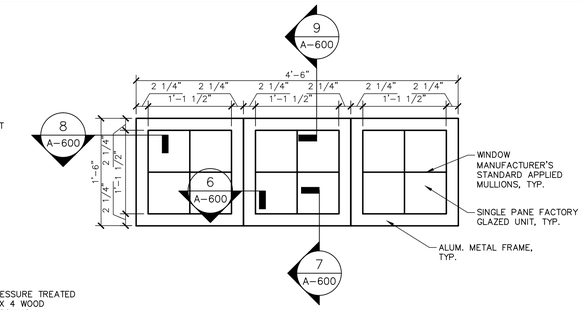


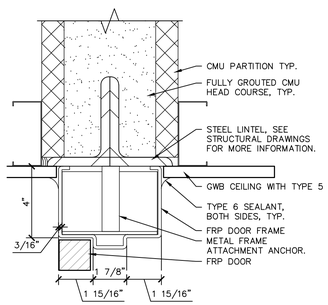
DOOR NOTES:

1. ALL DOOR FRAMES WILL HAVE A CONTINUOUS BEAD OF SEALANT WHERE THE FRAME MEETS THE MASONRY PARTITION.

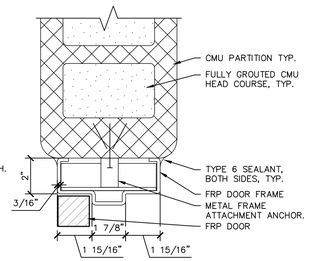
WINDOW SCHEDULE

NUMBER	TYPE	MATERIAL	SIZE	FRAME THICK.	FINISH	RATING	GLASS	HEAD & SILL TYPE	
A	FIXED	ALUM.	18"W. × 18"H.	0'–2 1/4"	CLEAR	–	SINGLE PANEL	7&9/A600	KAWNEER 7225 NON–THERMAL FACTORY GLAZED WINDOW UNIT, OR EQUAL

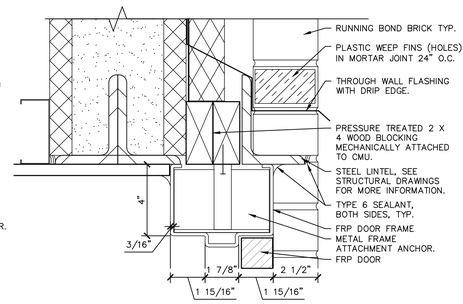




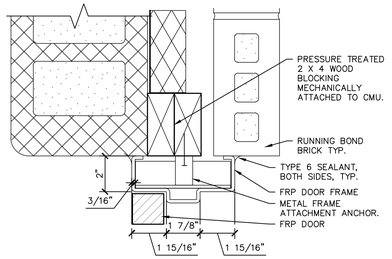
1 A600 HEAD DETAIL INTERIOR WALL
SCALE: 3"=1'-0"



2 A600 JAMB DETAIL INTERIOR WALL
SCALE: 3"=1'-0"

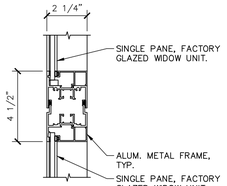


3 A600 HEAD DETAIL EXTERIOR WALL
SCALE: 3"=1'-0"

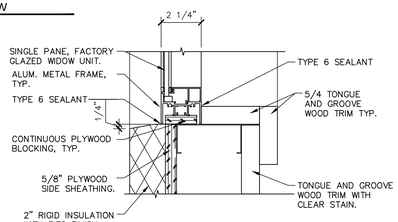


4 A600 JAMB DETAIL EXTERIOR WALL
SCALE: 3"=1'-0"

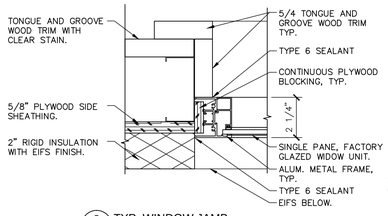
5 A600 TYP. FIXED WINDOW
SCALE: 1"=1'-0"



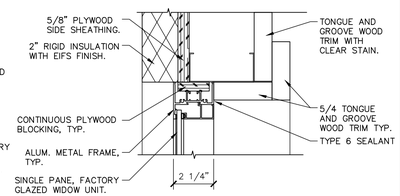
6 A600 TYP. WINDOW MULLION
SCALE: 3"=1'-0"



7 A600 TYP. WINDOW SILL
SCALE: 3"=1'-0"



8 A600 TYP. WINDOW JAMB
SCALE: 3"=1'-0"



9 A600 TYP. WINDOW HEAD
SCALE: 3"=1'-0"

FINISH SCHEDULE

NO.	ROOM	FLOOR	BASE	NORTH WALL		EAST WALL		SOUTH WALL		WEST WALL		CEILING			REMARKS
				MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	HEIGHT	
100	FAIR WOMENS REST ROOM	STAINED CONC.	NONE	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	GWB	IAL–1	8'–0"	WRAP WATER LINES AND DRAIN LINE UNDER LAV. WITH PRE MANUFACTURED ADA CONFORMING INSULATION WARP. BASIS OF DESIGN IPC CORP. TRUEBRO LAVE GUARD 2 E–Z SERIES UNDER SINK PIPE COVERS. 1
101	FAMILY REST ROOM 1	STAINED CONC.	NONE	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	GWB	IAL–1	8'–0"	
102	RV WOMENS REST ROOM	STAINED CONC.	NONE	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	GWB	IAL–1	8'–0"	
103	RV WOMENS SHOWERS	STAINED CONC.	NONE	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	GWB	IAL–1	8'–0"	–
104	UTILITY RM.	STAINED CONC.	NONE	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	GWB	IAL–1	8'–0"	–
105	PLUMBING CHASE	STAINED CONC.	NONE	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	GWB	IAL–1	8'–0"	–
106	PLUMBING CHASE	STAINED CONC.	NONE	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	GWB	IAL–1	8'–0"	–
107	UTILITY RM.	STAINED CONC.	NONE	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	GWB	IAL–1	8'–0"	–
108	RV MENS SHOWERS	STAINED CONC.	NONE	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	GWB	IAL–1	8'–0"	–
109	RV MENS REST ROOM	STAINED CONC.	NONE	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	GWB	IAL–1	8'–0"	–
110	FAMILY REST ROOM 2	STAINED CONC.	NONE	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	GWB	IAL–1	8'–0"	WRAP WATER LINES AND DRAIN LINE UNDER LAV. WITH PRE MANUFACTURED ADA CONFORMING INSULATION WARP. BASIS OF DESIGN IPC CORP. TRUEBRO LAVE GUARD 2 E–Z SERIES UNDER SINK PIPE COVERS.
111	FAIR MENS REST ROOM	STAINED CONC.	NONE	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	PGF CMU	GWB	IAL–1	8'–0"	1

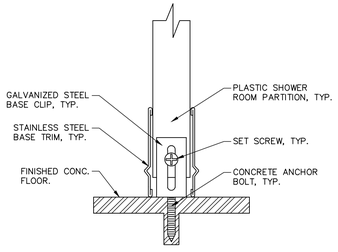
FINISH NOTES:

1. FOLLOW THE MANUFACTURER'S INSTRUCTIONS AND SPECIFICATIONS FOR THE INSTALLATION OF ALL FINISH MATERIALS.
2. ALL FINISHES SHALL HAVE A CLASS A FLAME SPREAD OR BETTER.
3. ALL DOORS AND F.R.P. DOOR FRAMES TO BE FACTORY FINISHED.
4. ALL GYPSUM BOARD SOFFITS AND CEILINGS TO BE PAINTED IAL–1 UNLESS NOTED OTHERWISE.
5. CONTRACTOR TO SUBMIT SAMPLES FOR ALL MATERIALS FOR VERIFICATION TO THE DIRECTOR'S REPRESENTATIVE.
6. ALL SEALANT IN PROJECT, TO MATCH ADJACENT ADJACENT MATERIAL COLOR. PROVIDE BACKER ROD AS REQUIRED (TYP.)

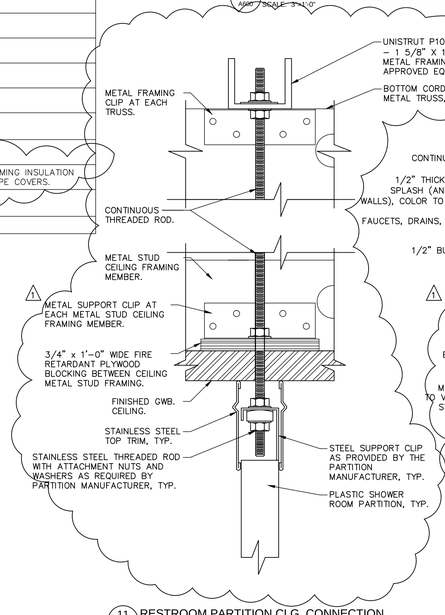
FINISH MATERIAL (BASIS OF DESIGN) OR EQUAL:

COORDINATE FINAL COLOR SELECTION OF FINISH MATERIAL WITH DIRECTOR'S REPRESENTATIVE BEFORE ORDERING ITEM.

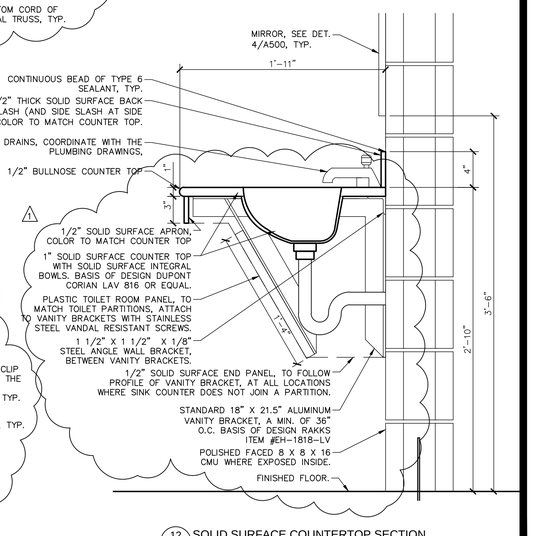
CMU	CMU1: TRENWYTH, TRENDSTONE PLUS – ALAMO, FILLED AND POLISHED MASONRY UNIT CMU2: TRENWYTH, TRENDSTONE PLUS – HAWTHORNE, FILLED AND POLISHED MASONRY UNIT
BRICK	BRICK1: RUNNING BOND – ACME BRICK – BIG BEND BRICK2: SOLDIER COURSE – ACME BRICK – BROWNWOOD MILL (BRICK MORTAR TO MATCH ADJACENT BRICK)
ROOF	MTLR1: MBCI CRAFTSMAN SERIES – HIGH BATTEN – KOKO BROWN.
EIFS	EIFS1: STO CORP STANDARD COLOR – 31221 57 C2 – FINISH TEXTURE – MEDIUM
PLASTIC PARTITIONS	TP1: BOBRICK, SIERRA SERIES – GOLDEN KHAKI, SC01
FRP DOOR	FRP1: OSHKOSH DOOR COMPANY STANDARD COLOR – DARK BROWN
PAINT	EAL–1: SHERWIN WILLIAM – WHITE FLOUR SW 7102 IAL–1: SHERWIN WILLIAM – BRIGHT WHITE SW 7007
COUNTER	CT: DUPONT CORIAN – COCOA BROWN
SLAB STAIN	SRI CONCRETE PRODUCTS, RENAISSANCE CHEMICAL STAIN – WALNUT BROWN (COORDINATE WITH STRUCTURAL DRAWINGS AND SPECIFICATIONS)



10 A600 SHOWER ROOM PARTITION FLOOR CONNECTION
SCALE: N.T.S.



11 A600 RESTROOM PARTITION CLG. CONNECTION
SCALE: N.T.S.



12 A600 SOLID SURFACE COUNTERTOP SECTION
SCALE: 1 1/2"-1'-0"

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

Engineering and Land Surveying, P.C.

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

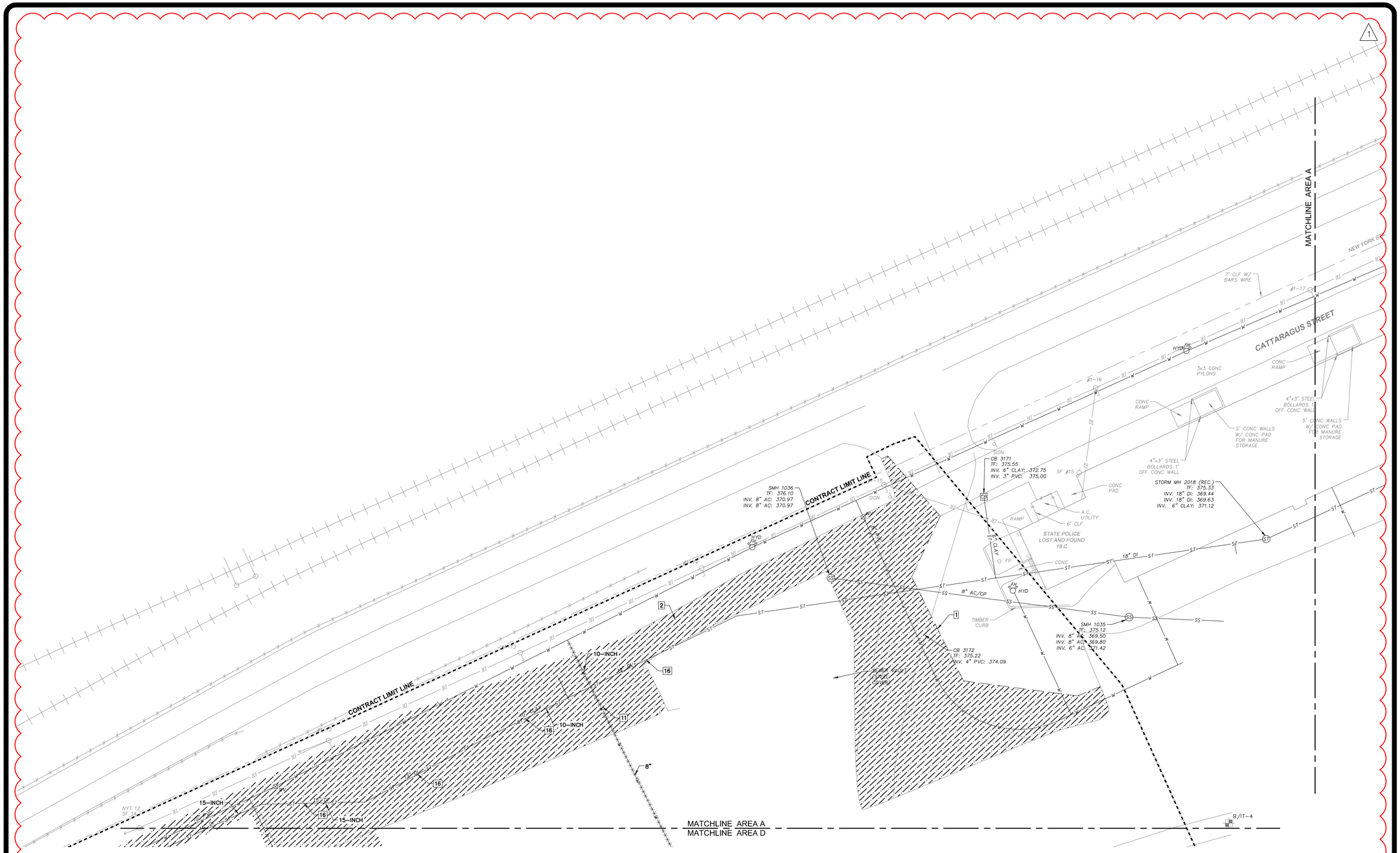
PROJECT NUMBER:	45331 – C
DESIGNED BY:	MM
DRAWN BY:	MM
FIELD CHECK:	
APPROVED:	CMD

SHEET TITLE:
RESTROOMS SCHEDULES

DRAWING NUMBER:
A–600

SHEET OF

36x24 PLOT SHEET



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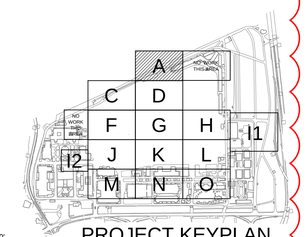
LEGEND:

- 2 — KEY NOTE
- X — EXISTING FEATURE TO BE REMOVED
- EXISTING UTILITY / LINEAR FEATURE TO BE REMOVED
- XXXXXXXXX — EXISTING UTILITY TO BE ABANDON IN-PLACE
- CONSTRUCTION FENCE
- B/IT-1 — BORING LOCATION
- EXISTING ASPHALT PAVEMENT OR CONCRETE REMOVAL

MAGNETIC

30' 15' 0 30'



PROJECT KEYPLAN
NOT TO SCALE

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

Engineering and Land Surveying, P.C.

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

PROJECT NUMBER:	45331 – C
DESIGNED BY:	TEW
DRAWN BY:	TEW
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
EXISTING CONDITIONS AND REMOVALS PLAN AREA A

DRAWING NUMBER:
C-100A

SHEET OF

Jan 11,2016 – 5:26pm
F:\mj\915\MJ 915.XX New York State Fair\915.18 45331 NYSF Midway and RV Park\45331 C100A-C100C RV PARK EXISTING.dwg

36x24 PLOT SHEET

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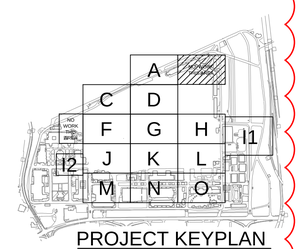

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PROJECT NUMBER:	45331 – C
DESIGNED BY:	TEW
DRAWN BY:	TEW
FIELD CHECK:	
APPROVED:	

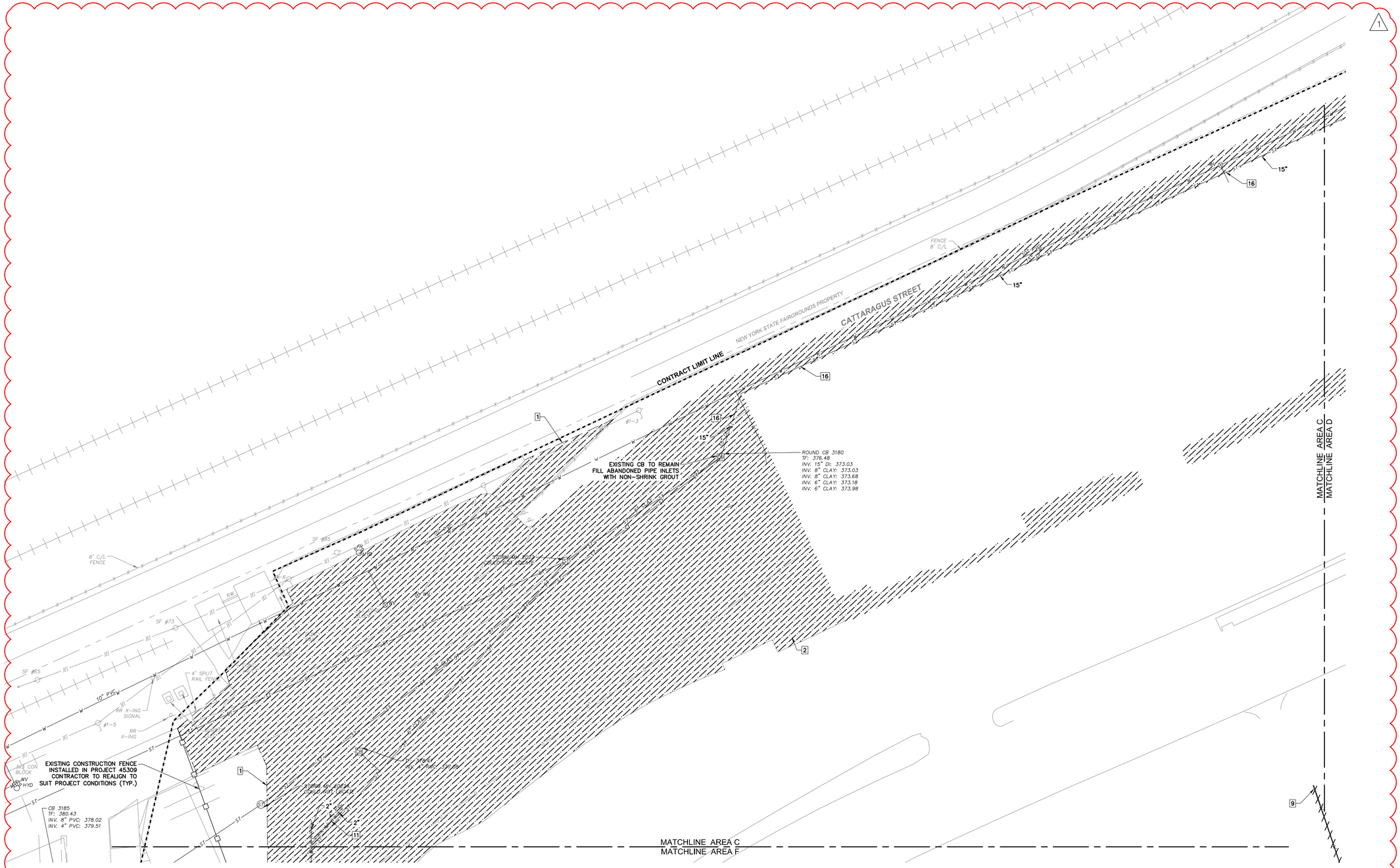
SHEET TITLE:
EXISTING CONDITIONS AND REMOVALS PLAN AREA B

DRAWING NUMBER:
C–100B

SHEET OF

Jan 11,2016 – 5:26pm
F:\mj915\MJ 915.XX New York State Fair\915.18 45331 NYSF Midway and RV Park\45331 C100A-C100C RV PARK EXISTING.dwg

36x24 PLOT SHEET



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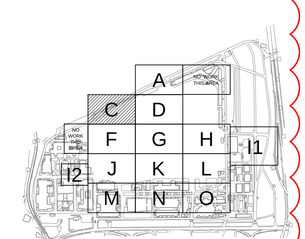

PROJECT KEYPLAN
NOT TO SCALE

Jan 11,2016 – 5:26pm
F:\mj\915\MJ 915.XX New York State Fair\915.18 45331 NYSF Midway and RV Park\45331 C100A-C100C RV PARK EXISTING.dwg

36x24 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

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PROJECT NUMBER:	45331 – C
DESIGNED BY:	TEW
DRAWN BY:	TEW
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
EXISTING CONDITIONS AND REMOVALS PLAN AREA C

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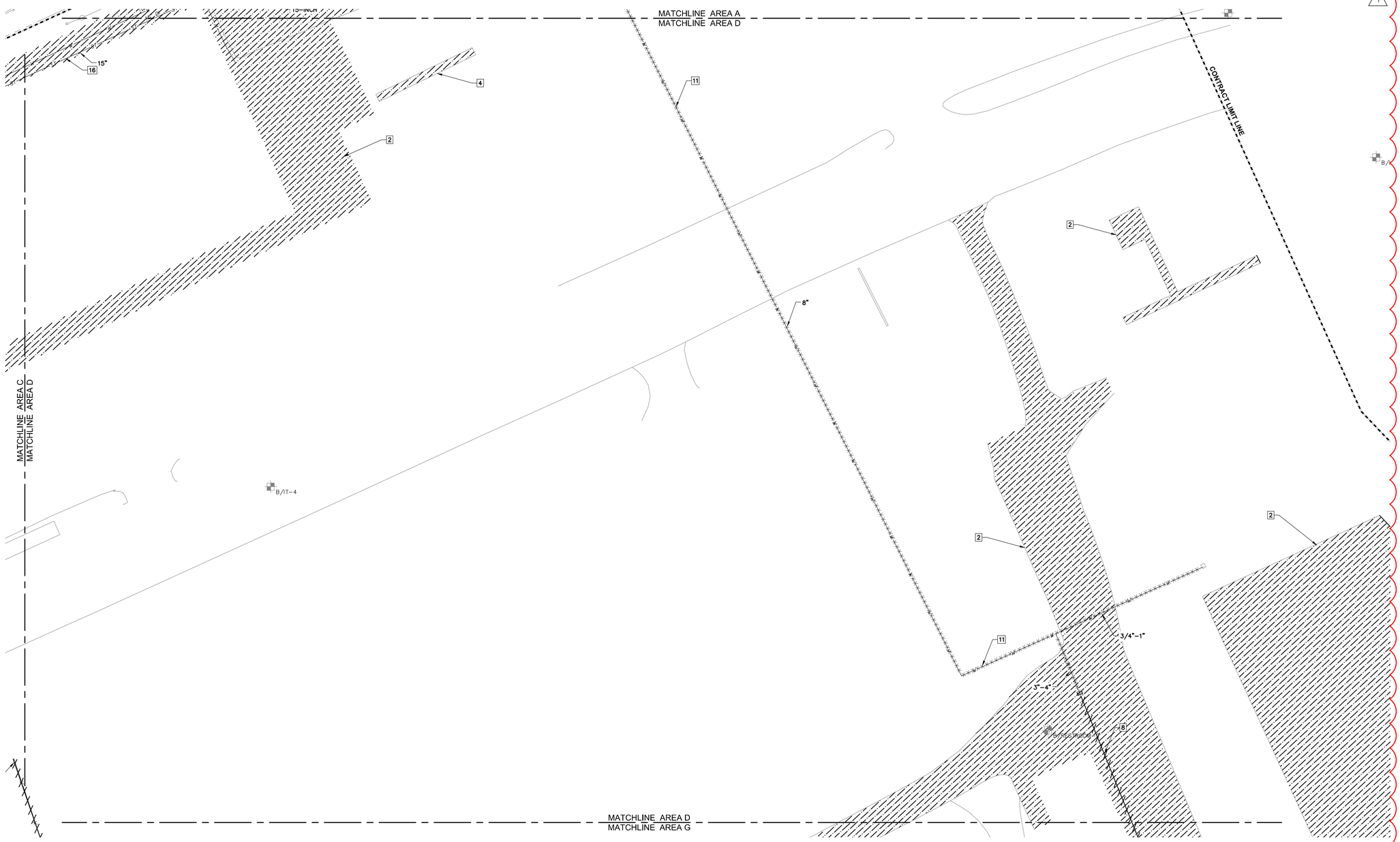
SHEET OF



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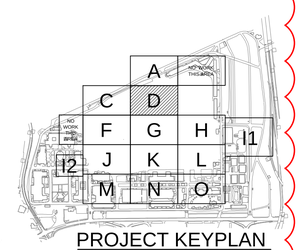
- B/IT-1 BORING LOCATION
- EXISTING ASPHALT PAVEMENT OR CONCRETE REMOVAL

MAGNETIC

30' 15' 0 30'



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NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT
Engineering and Land Surveying, P.C.

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

PROJECT NUMBER:	45331 – C
DESIGNED BY:	TEW
DRAWN BY:	TEW
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
EXISTING CONDITIONS AND REMOVALS PLAN AREA D

DRAWING NUMBER:
C-100D

SHEET OF

Jan 11,2016 – 5:26pm
F:\mj915\MJ 915.XX New York State Fair\915.18 45331 NYSF Midway and RV Park\45331 C100A-C100C RV PARK EXISTING.dwg
36x24 PLOT SHEET

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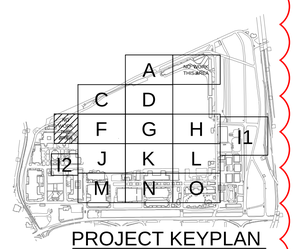

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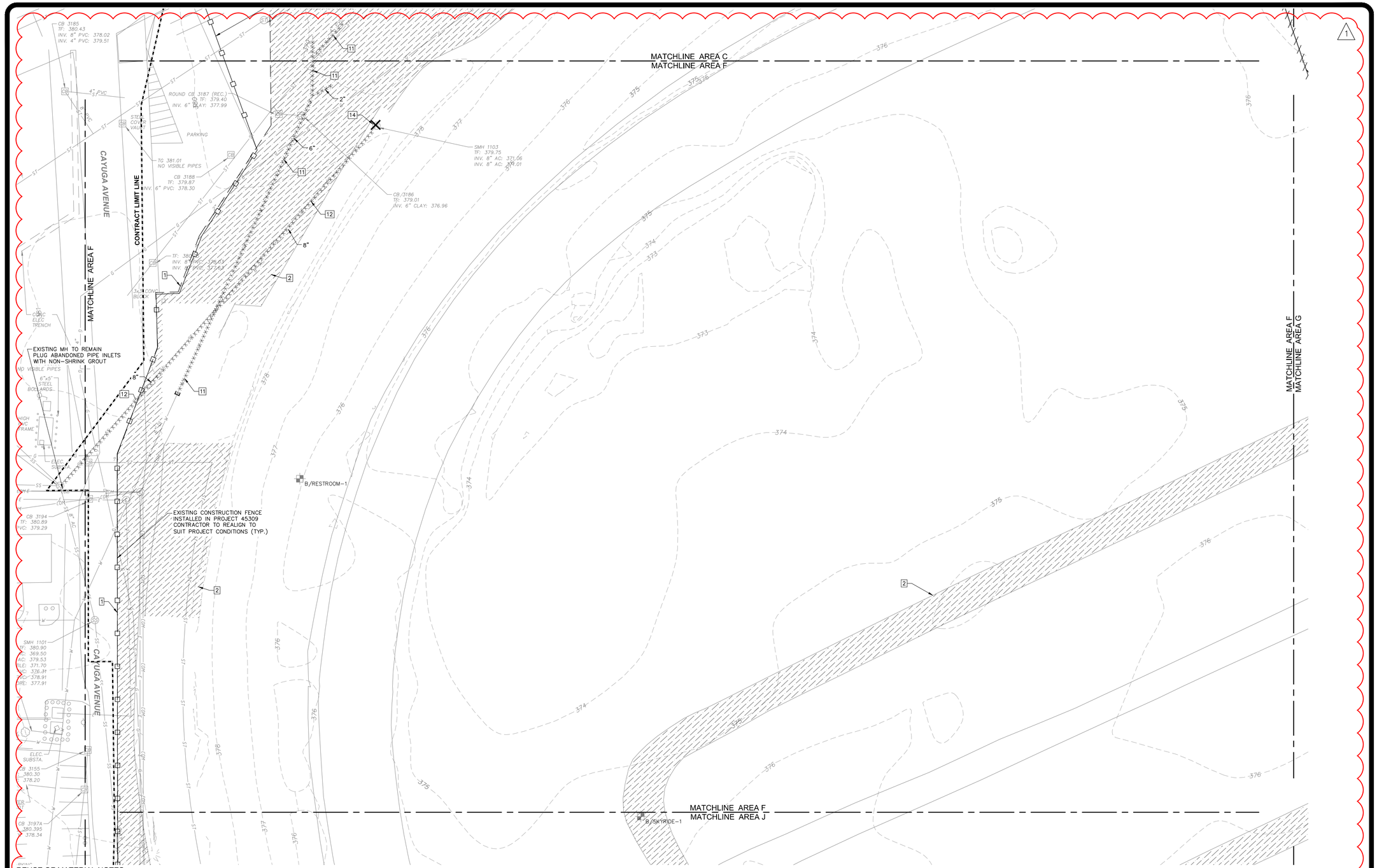

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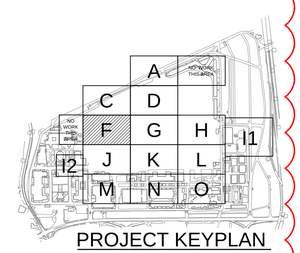

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APPROVED:	

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DRAWING NUMBER:
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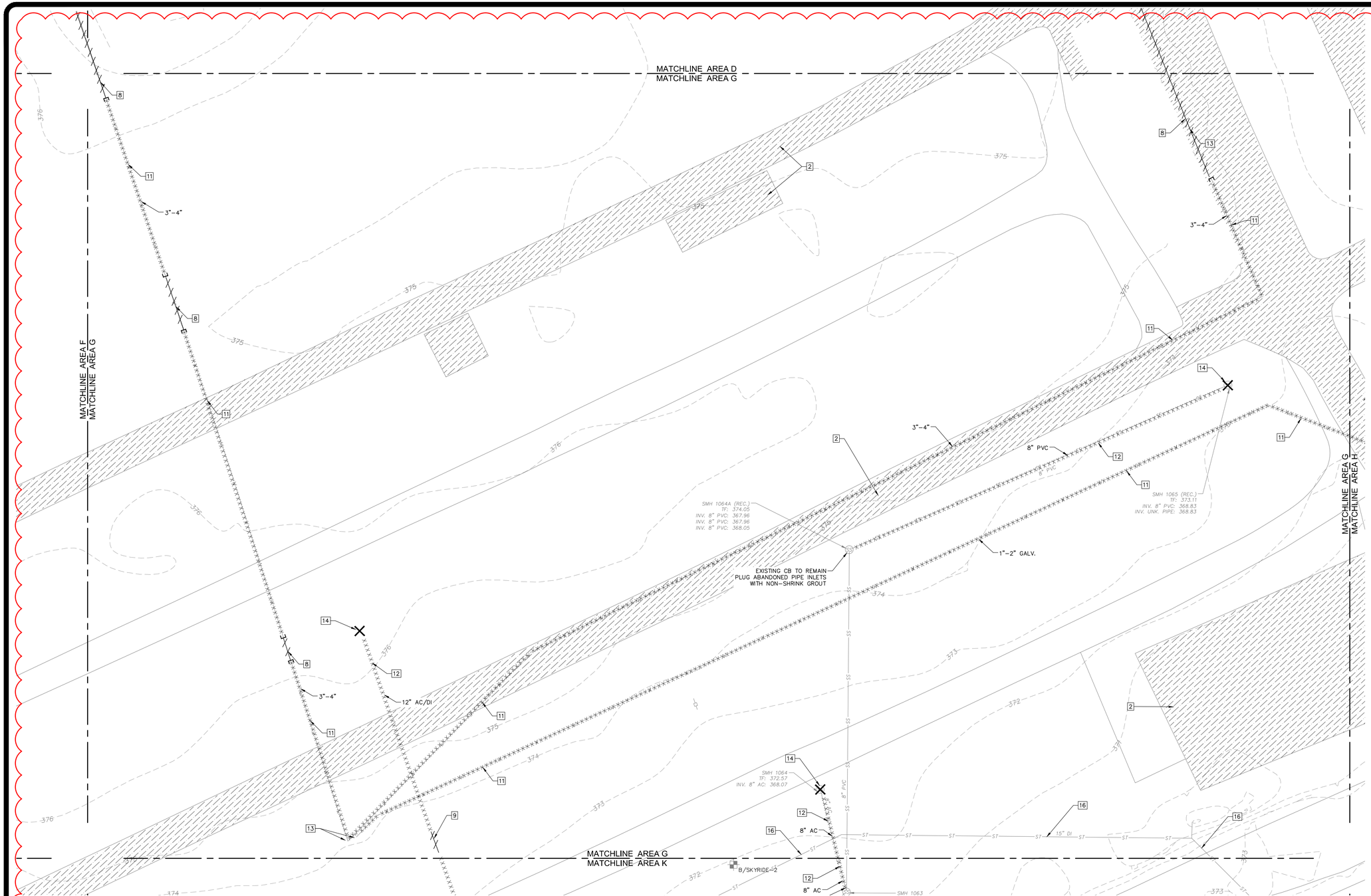

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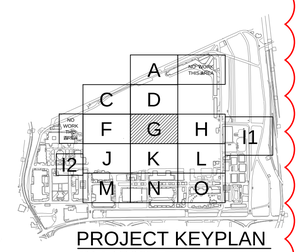

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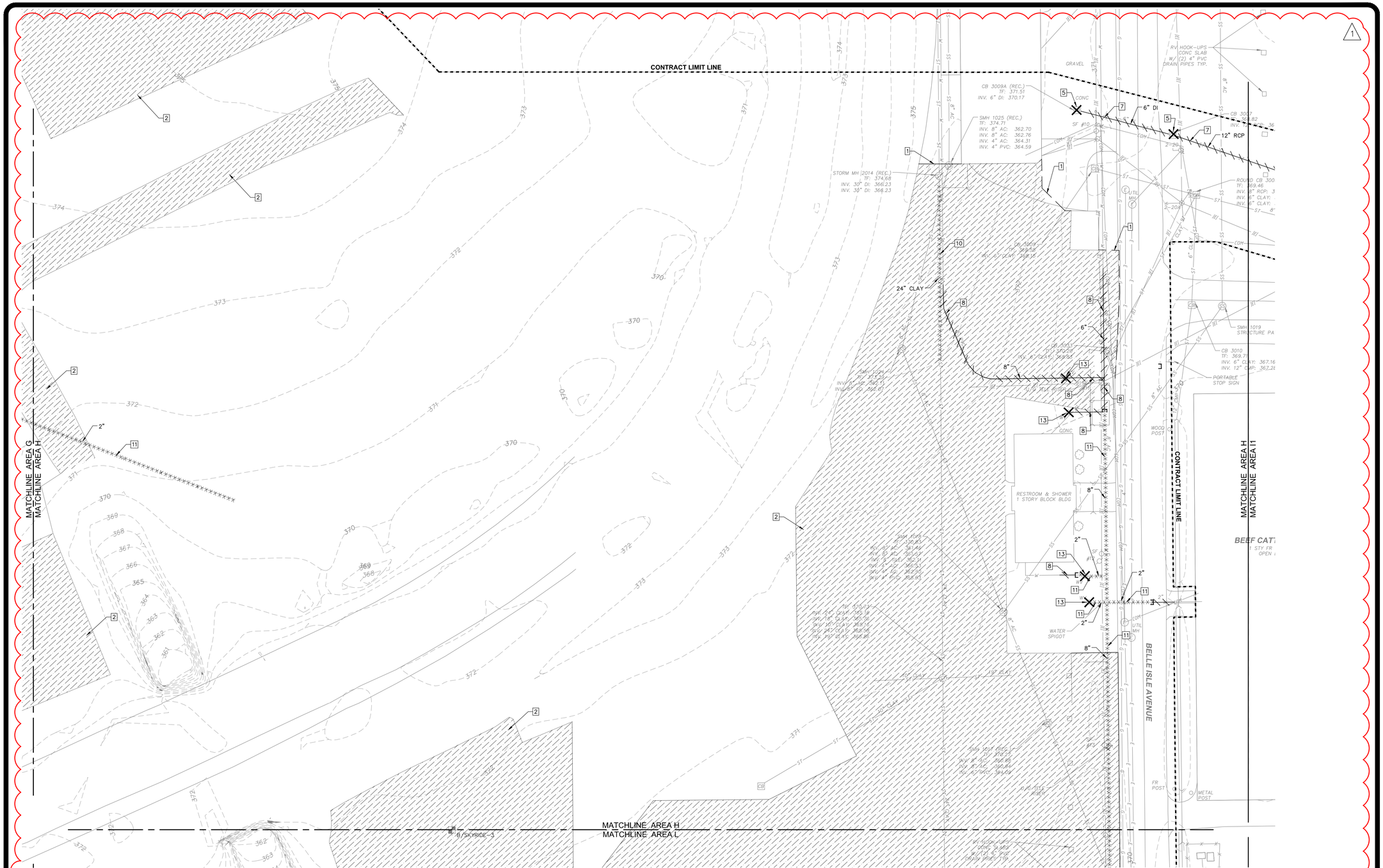

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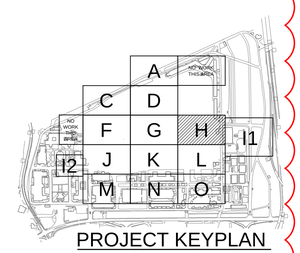

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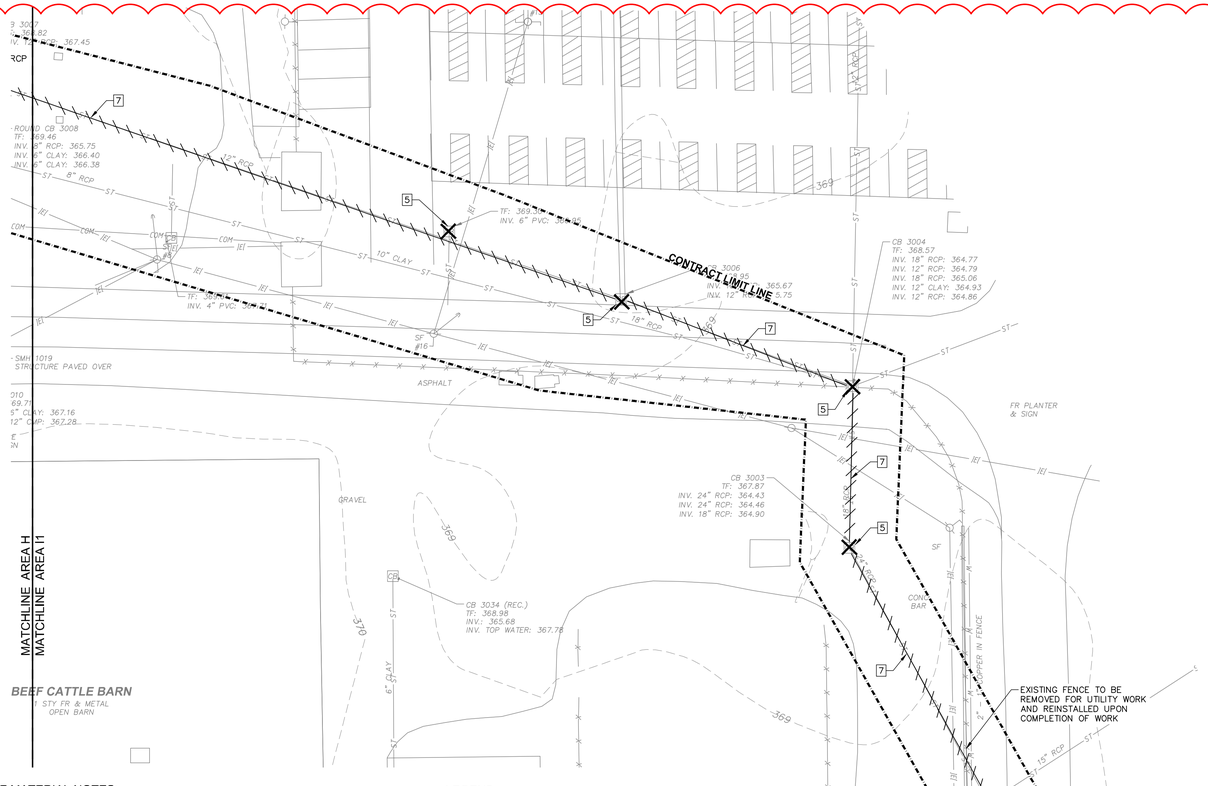
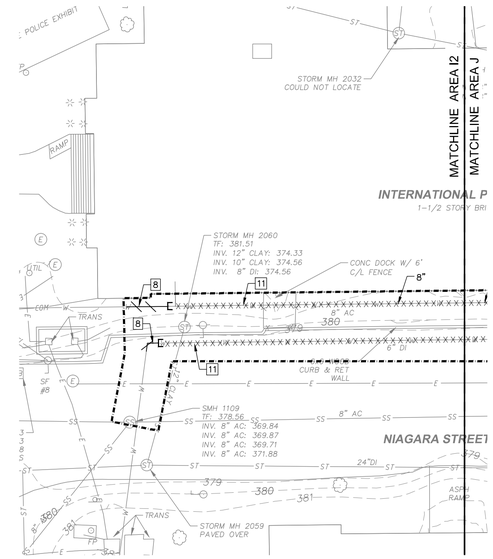


1 EXISTING CONDITIONS AND REMOVALS PLAN I1

SCALE: 1" = 30'



2 EXISTING CONDITIONS AND REMOVALS PLAN I2

SCALE: 1" = 30'

REUSE OF MATERIAL NOTES:

1. ASPHALT PAVEMENT, CONCRETE OR SUBBASE MATERIAL MAY BE REUSED FOR GENERAL SITE FILL IF IT MEETS THE REQUIREMENTS OF SPECIFICATION SECTION 310000
2. SUBBASE MATERIAL, IS USED AS A RECYCLED MATERIAL, MUST BE FREE OF NATIVE SITE SOIL

UTILITY REMOVAL NOTES:

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2. CONTRACTOR SHALL COORDINATE WITH THE DIRECTOR'S REPRESENTATIVE NO LESS THAN 48 HOURS IN ADVANCE OF INITIATING UTILITY MODIFICATIONS, REMOVALS OR TERMINATIONS.

REMOVAL KEY NOTES

1. SAWCUT EXISTING PAVEMENT IN STRAIGHT LINES.
2. EXISTING ASPHALT PAVEMENT SECTION TO BE REMOVED. FOR BIDDING ASSUMED 12" OF SECTIONAL REMOVAL INCLUDING SUBBASE MATERIAL.
3. REMOVE CONCRETE CURB TO NEAREST JOINT.
4. EXISTING CONCRETE SIDEWALK TO BE REMOVED TO NEAREST JOINT. FOR BIDDING ASSUME 12" OF SECTIONAL REMOVAL, INCLUDING SUBBASE MATERIAL.
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- 2 — KEY NOTE
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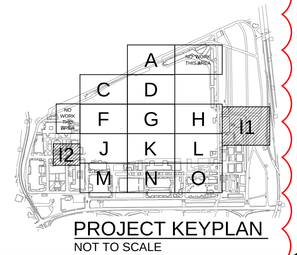
- EXISTING UTILITY / LINEAR FEATURE TO BE REMOVED
- XXXXXXXXX — EXISTING UTILITY TO BE ABANDONED IN-PLACE
- CONSTRUCTION FENCE
- B/IT-1 — BORING LOCATION
- EXISTING ASPHALT PAVEMENT OR CONCRETE REMOVAL



PROJECT KEYPLAN
NOT TO SCALE

MAGNETIC

30' 15' 0 30'

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

Engineering and Land Surveying, P.C.

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

PROJECT NUMBER:	45331 – C
DESIGNED BY:	TEW
DRAWN BY:	TEW
FIELD CHECK:	
APPROVED:	

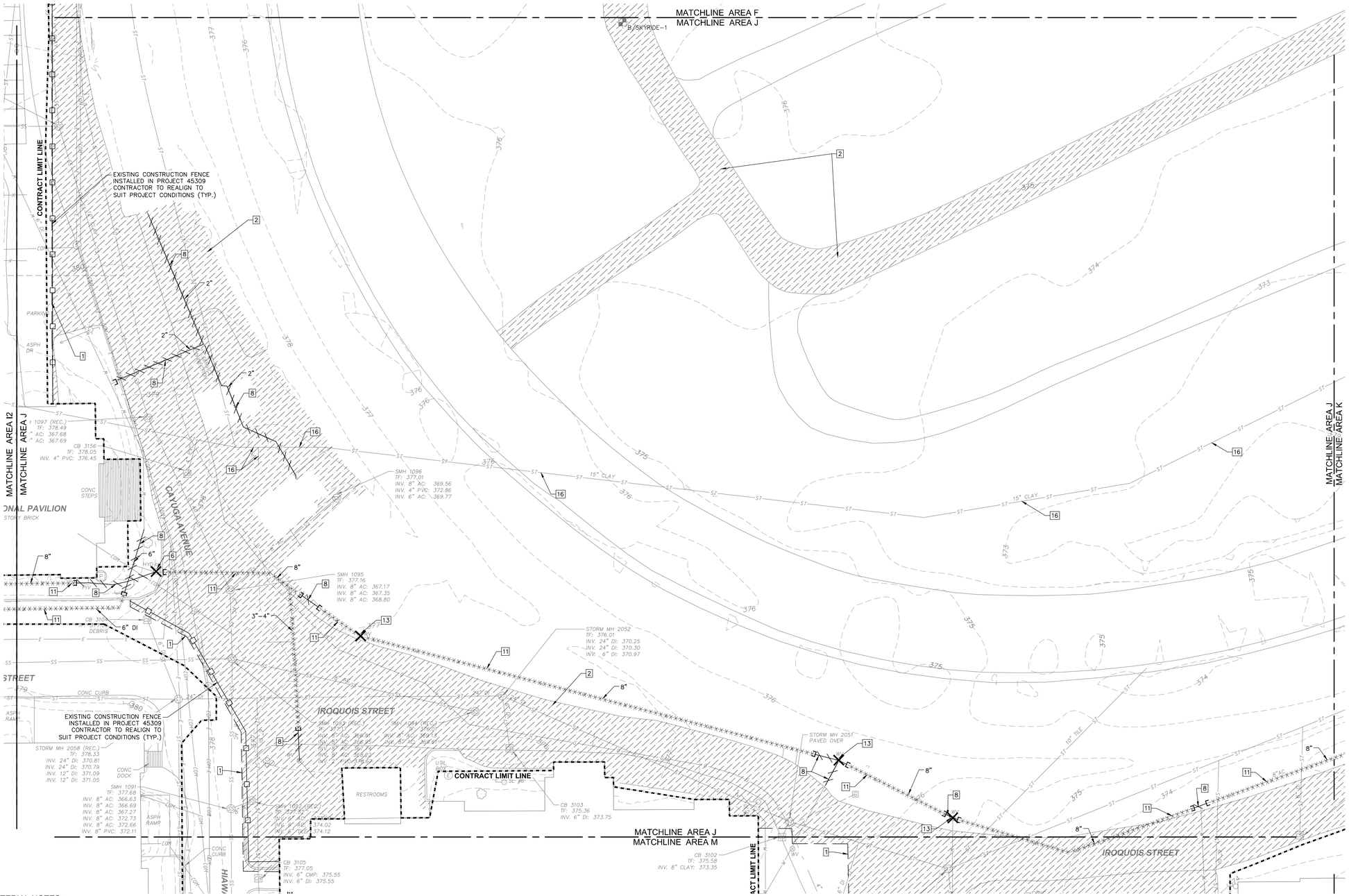
SHEET TITLE:
EXISTING CONDITIONS AND REMOVALS PLAN AREA I

DRAWING NUMBER:
C-100I

SHEET OF

36x24 PLOT SHEET

Jan 11,2016 – 5:27pm
F:\mj915\MJ 915.XX New York State Fair\915.18 45331 NYSF Midway and RV Park\45331 C100D-C100I MIDWAY EXISTING.dwg



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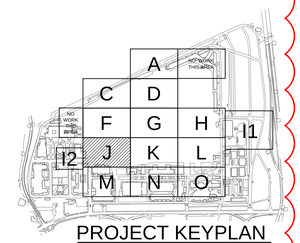

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NEW YORK STATE OF OPPORTUNITY. Office of General Services
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	12/04/15	FINAL SUBMISSION

PROJECT NUMBER:	45331 – C
DESIGNED BY:	TEW
DRAWN BY:	TEW
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
EXISTING CONDITIONS AND REMOVALS PLAN AREA J

DRAWING NUMBER:
C–100J

SHEET OF

Jan 11,2016 – 5:27pm
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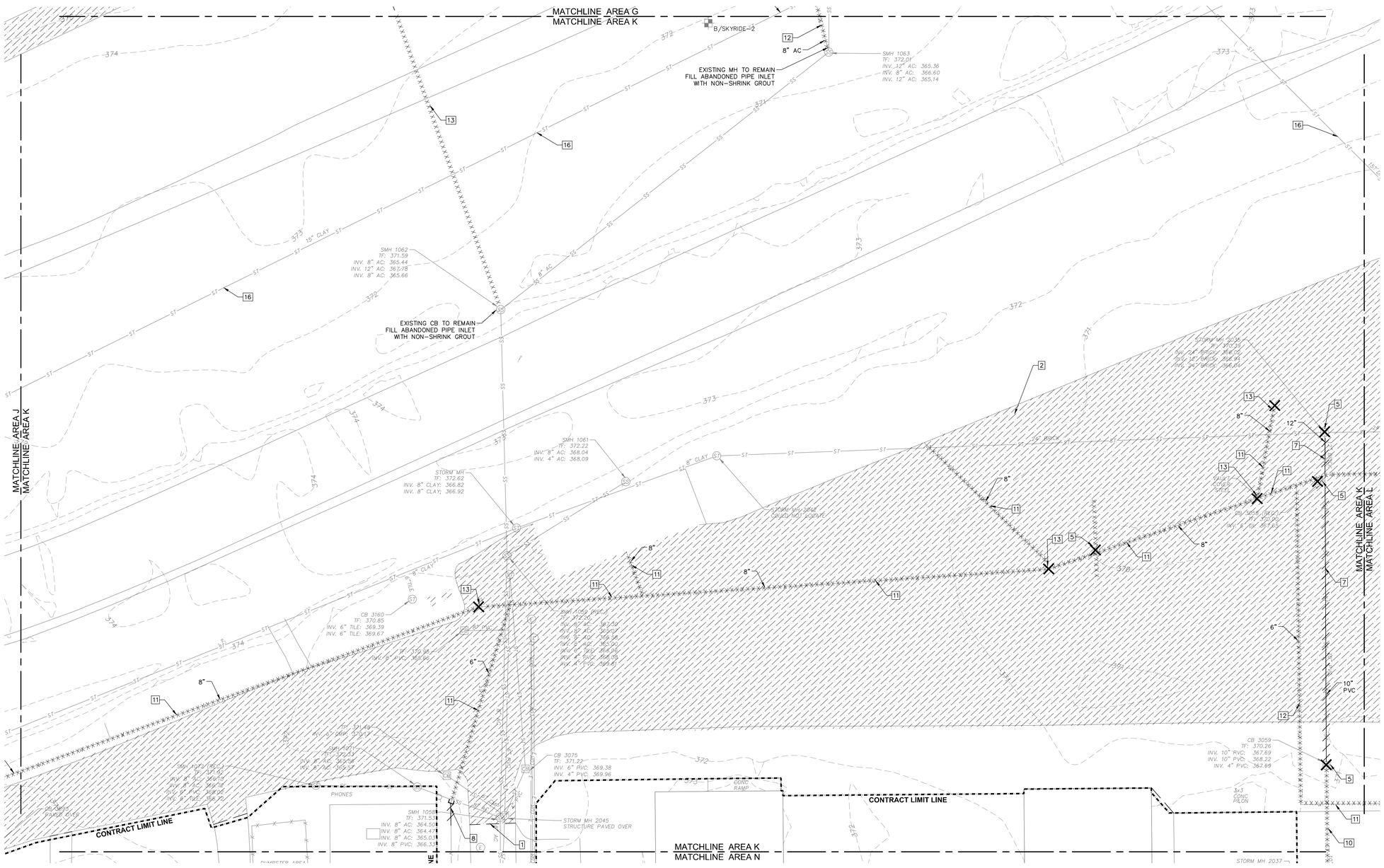

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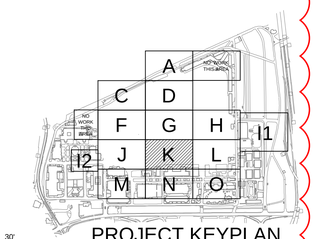

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	12/04/15	FINAL SUBMISSION

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DESIGNED BY:	TEW
DRAWN BY:	TEW
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
EXISTING CONDITIONS AND REMOVALS PLAN AREA K

DRAWING NUMBER:
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SHEET OF

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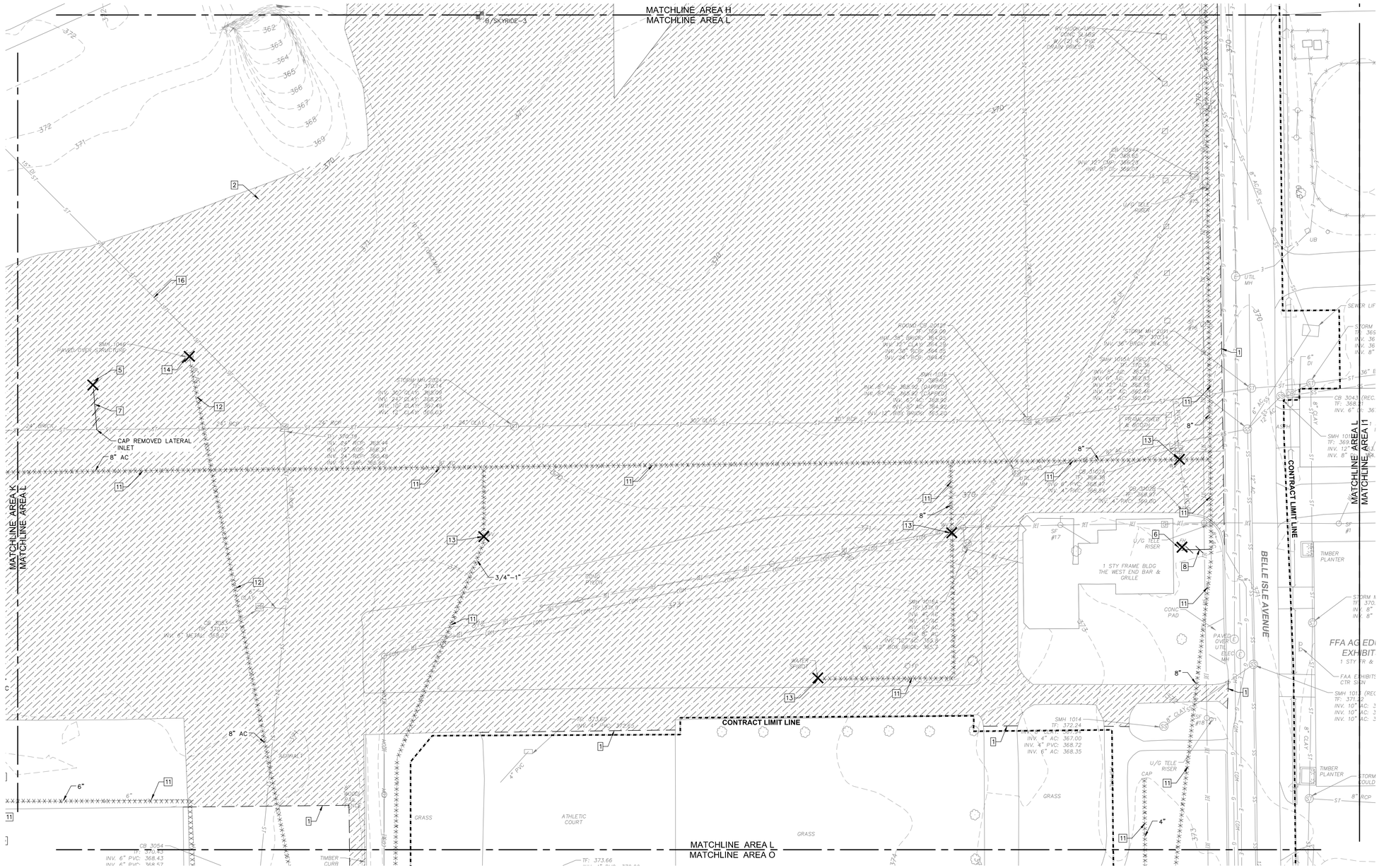

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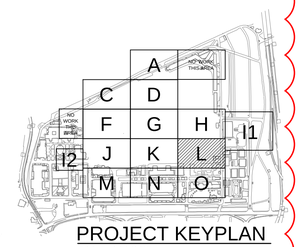

PROJECT KEYPLAN
NOT TO SCALE

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT
Engineering and Land Surveying, P.C.

WARNING:
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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

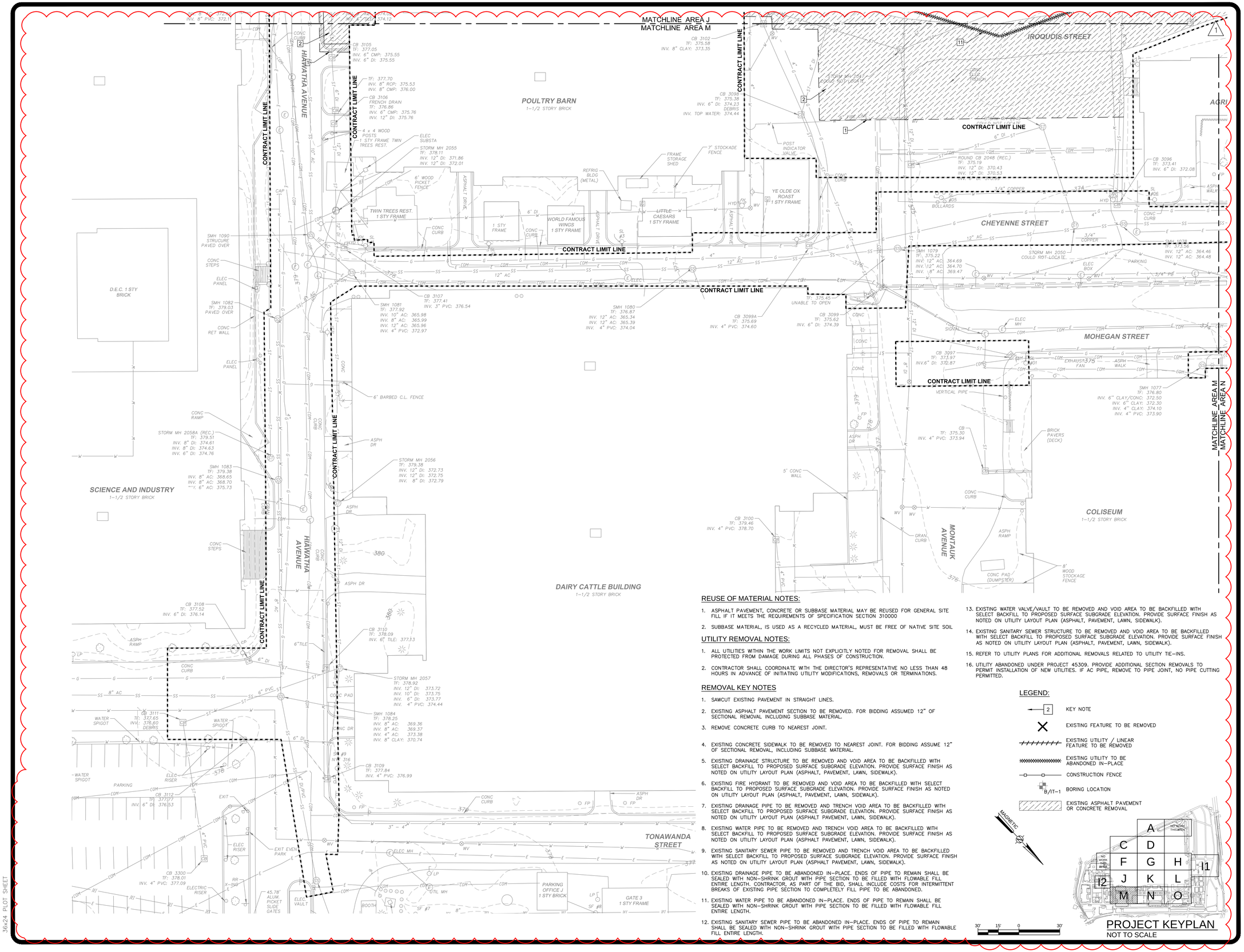
PROJECT NUMBER:	45331 – C
DESIGNED BY:	TEW
DRAWN BY:	TEW
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
EXISTING CONDITIONS AND REMOVALS PLAN AREA L

DRAWING NUMBER:
C-100L

SHEET OF

Jan 11,2016 – 5:27pm
F:\mj915\MJ 915.XX New York State Fair\915.18 45331 NYSF Midway and RV Park\45331 C100D-C100L MIDWAY EXISTING.dwg
36x24 PLOT SHEET



REUSE OF MATERIAL NOTES:

1. ASPHALT PAVEMENT, CONCRETE OR SUBBASE MATERIAL MAY BE REUSED FOR GENERAL SITE FILL IF IT MEETS THE REQUIREMENTS OF SPECIFICATION SECTION 310000
2. SUBBASE MATERIAL, IS USED AS A RECYCLED MATERIAL, MUST BE FREE OF NATIVE SITE SOIL

UTILITY REMOVAL NOTES:

1. ALL UTILITIES WITHIN THE WORK LIMITS NOT EXPLICITLY NOTED FOR REMOVAL SHALL BE PROTECTED FROM DAMAGE DURING ALL PHASES OF CONSTRUCTION.
2. CONTRACTOR SHALL COORDINATE WITH THE DIRECTOR'S REPRESENTATIVE NO LESS THAN 48 HOURS IN ADVANCE OF INITIATING UTILITY MODIFICATIONS, REMOVALS OR TERMINATIONS.

REMOVAL KEY NOTES

1. SAWCUT EXISTING PAVEMENT IN STRAIGHT LINES.
2. EXISTING ASPHALT PAVEMENT SECTION TO BE REMOVED. FOR BIDDING ASSUMED 12" OF SECTIONAL REMOVAL INCLUDING SUBBASE MATERIAL.
3. REMOVE CONCRETE CURB TO NEAREST JOINT.
4. EXISTING CONCRETE SIDEWALK TO BE REMOVED TO NEAREST JOINT. FOR BIDDING ASSUME 12" OF SECTIONAL REMOVAL, INCLUDING SUBBASE MATERIAL.
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16. UTILITY ABANDONED UNDER PROJECT 45309. PROVIDE ADDITIONAL SECTION REMOVALS TO PERMIT INSTALLATION OF NEW UTILITIES. IF AC PIPE, REMOVE TO PIPE JOINT, NO PIPE CUTTING PERMITTED.

LEGEND:

- KEY NOTE
- EXISTING FEATURE TO BE REMOVED
- EXISTING UTILITY / LINEAR FEATURE TO BE REMOVED
- EXISTING UTILITY TO BE ABANDONED IN-PLACE
- CONSTRUCTION FENCE
- B/IT-1 BORING LOCATION
- EXISTING ASPHALT PAVEMENT OR CONCRETE REMOVAL

MAGNETIC

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30' 15' 0 30'

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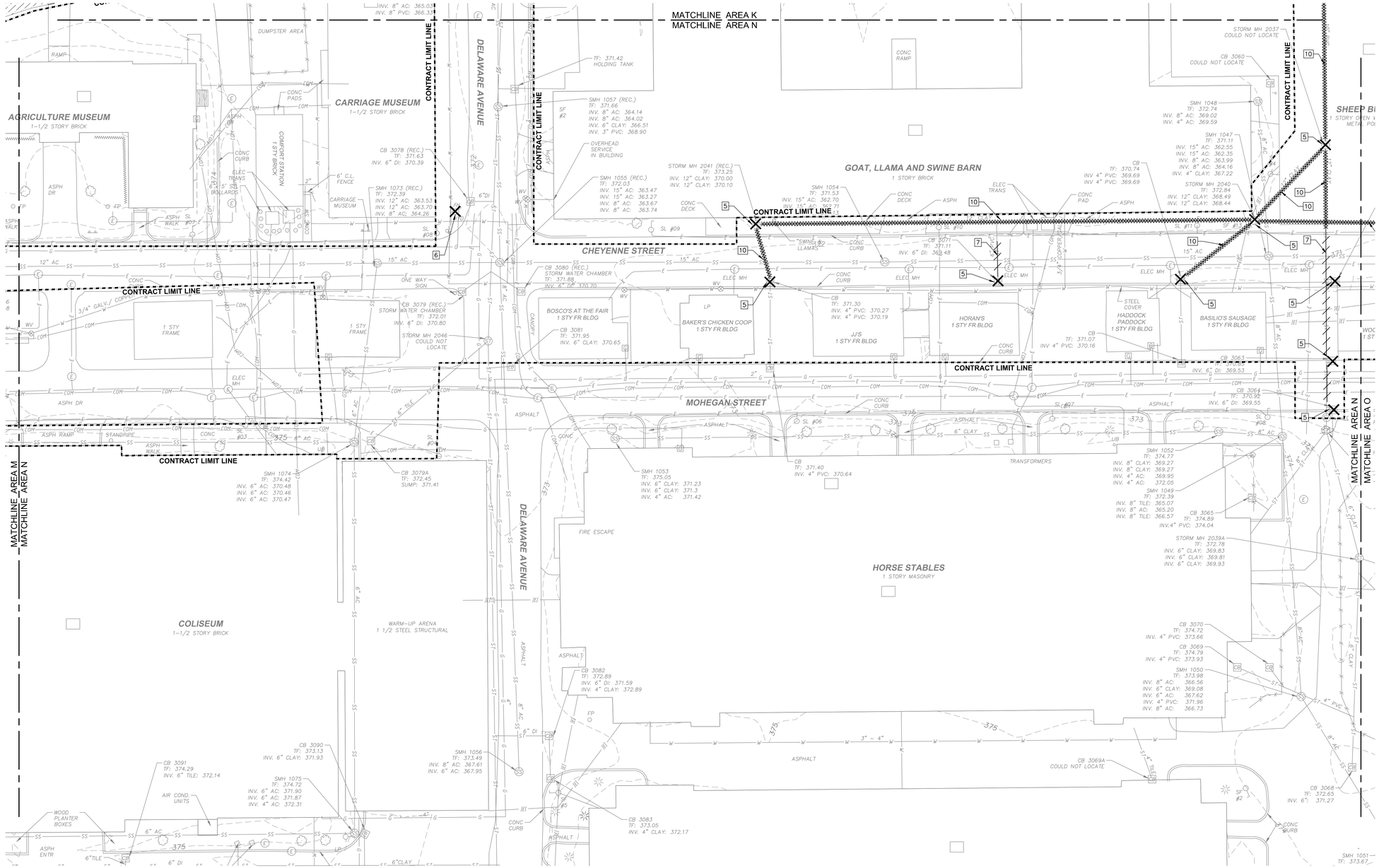

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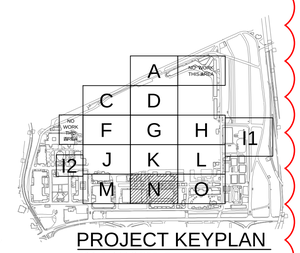

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MARK	DATE	DESCRIPTION
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	12/04/15	FINAL SUBMISSION

PROJECT NUMBER:	45331 – C
DESIGNED BY:	TEW
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FIELD CHECK:	
APPROVED:	

SHEET TITLE:
EXISTING CONDITIONS AND REMOVALS PLAN AREA N

DRAWING NUMBER:
C-100N

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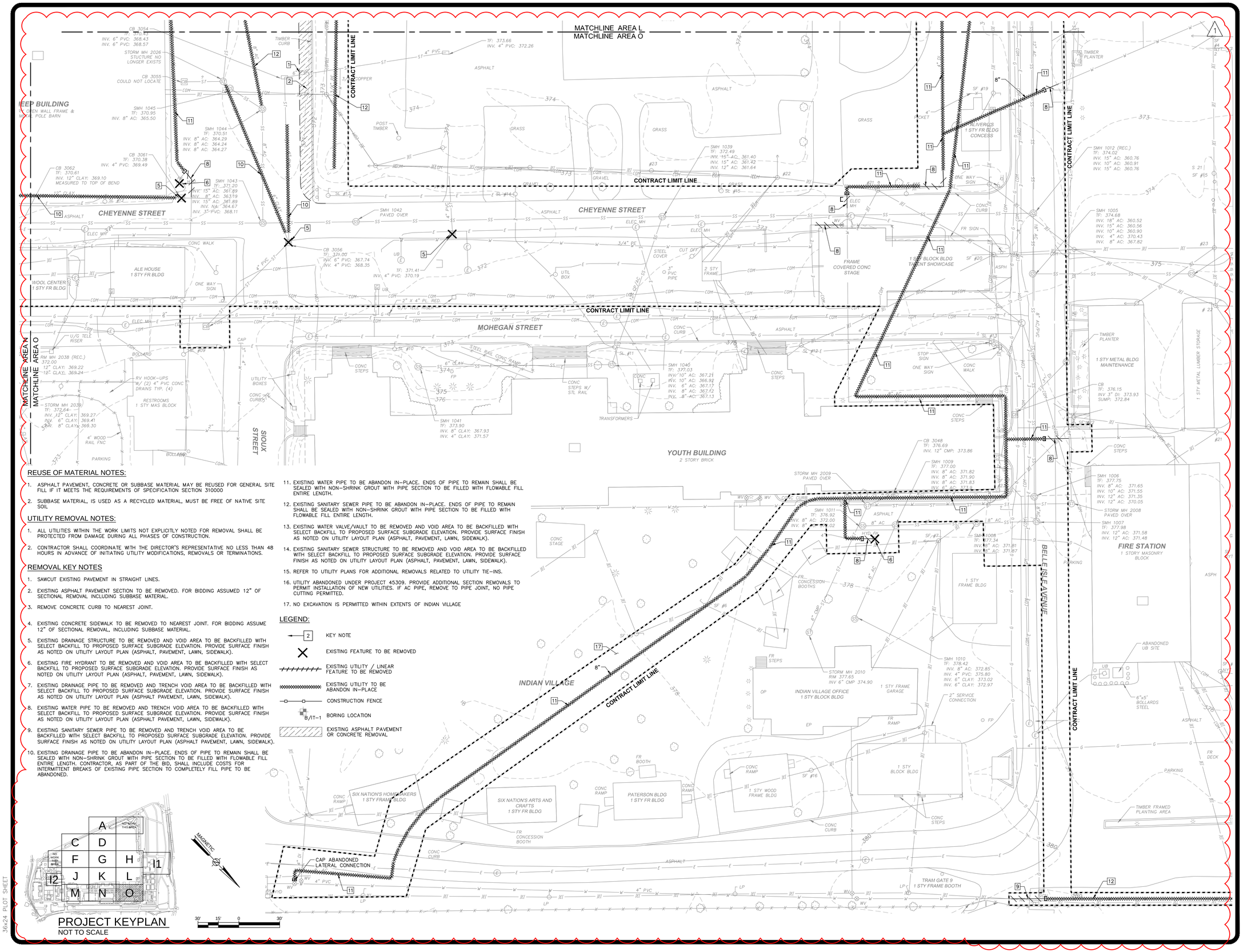

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17. NO EXCAVATION IS PERMITTED WITHIN EXTENTS OF INDIAN VILLAGE

LEGEND:

- KEY NOTE
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Jan 11,2016 - 5:28pm
F:\mj\915\MJ 915.XX New York State Fair\915.18 45331 NYSF Midway and RV Park\45331 C100J-C100L REST ROW EXISTING.dwg

36x24 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. | Office of General Services

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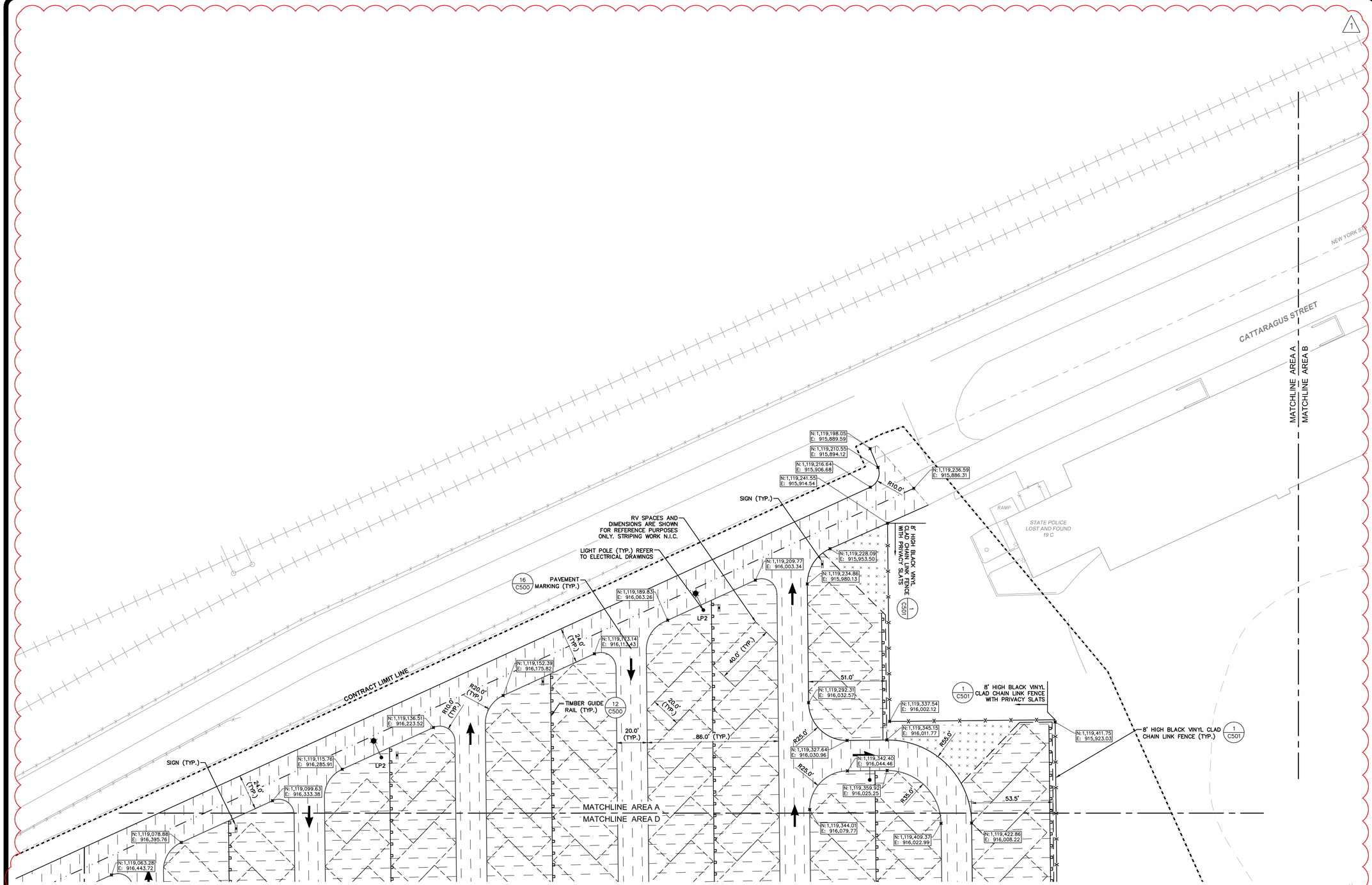
SHEET TITLE:
EXISTING CONDITIONS AND REMOVALS PLAN AREA O

DRAWING NUMBER:
C–1000

SHEET OF

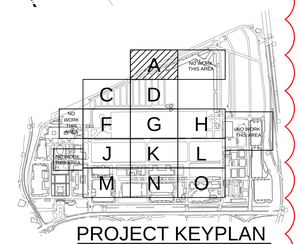


LEGEND:

- STANDARD ASPHALT/SUBBASE SEE DETAIL 1A/C500
- STANDARD ASPHALT SEE DETAIL 1B/C500
- HEAVY DUTY ASPHALT SEE DETAIL 2/C500
- GRASS RV PARKING SEE DETAIL 5/C500
- LAWN AREA
- CONCRETE SEE DETAIL 4/C500
- 1 / C-502 — DETAIL NUMBER, DETAIL REFERENCE, DRAWING PAGE NUMBER
- CONTRACT LIMIT LINE
- LIGHT POLE
- SIGN SEE DETAIL 13,14&15/C500
- TRASH RECEPTACLE SEE DETAIL 3/C501
- TIMBER GUIDE RAIL
- CHAIN LINK FENCE
- N:1,119423.52 E: 916.003.25 — GEOMETRY POINT
- SAWCUT LINE
- E.J. — EXPANSION JOINT
- NOT IN CONCRTACT(N.I.C) BOUNDARY
- BENCH SEE DETAIL 2/C501

MAGNETIC

30' 15' 0 30'



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SITE LAYOUT PLAN AREA A

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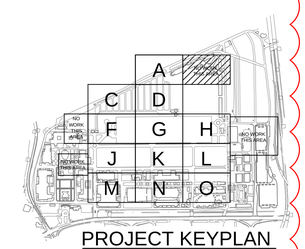
SHEET REMOVED FROM SET



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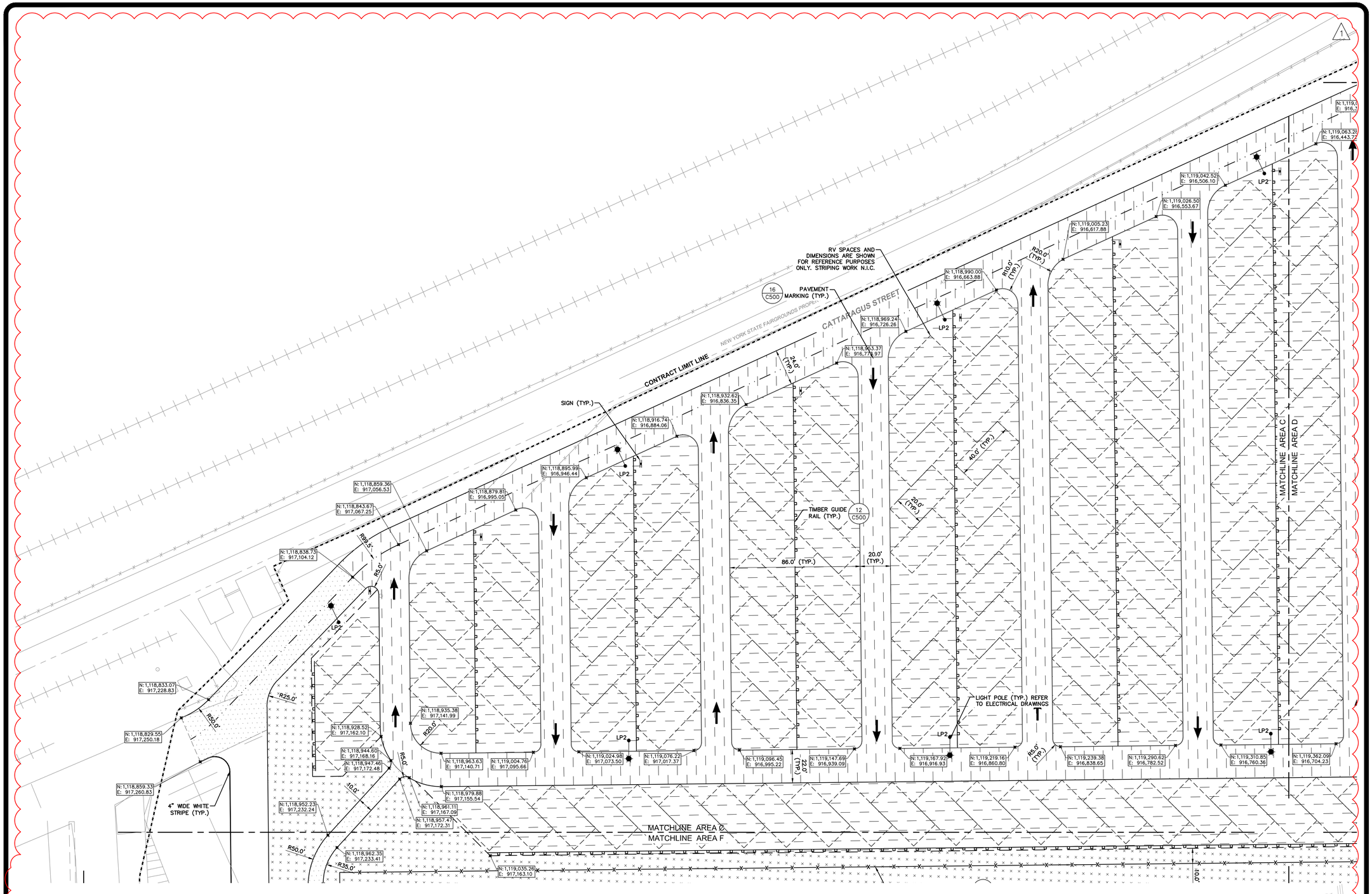
36x24 PLOT SHEET

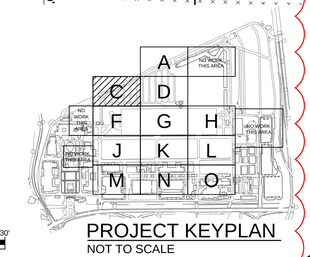


LEGEND:

- STANDARD ASPHALT/SUBBASE SEE DETAIL 1A/C500
- STANDARD ASPHALT SEE DETAIL 1B/C500
- HEAVY DUTY ASPHALT SEE DETAIL 2/C500
- GRASS RV PARKING SEE DETAIL 5/C500
- LAWN AREA
- CONCRETE SEE DETAIL 4/C500
- DETAIL NUMBER / DETAIL REFERENCE / DRAWING PAGE NUMBER (1 / C-502)
- CONTRACT LIMIT LINE
- LP1 LP2 LP3 LP4 LP5 — LIGHT POLE
- SIGN SEE DETAIL 13,14&15/C500
- TRASH RECEPTACLE SEE DETAIL 3/C501
- TIMBER GUIDE RAIL
- CHAIN LINK FENCE
- N:1,119423.52 E: 916,003.25 — GEOMETRY POINT
- SAWCUT LINE
- E.J. — EXPANSION JOINT
- NOT IN CONCRTACT(N.I.C) BOUNDARY
- BENCH SEE DETAIL 2/C501

MAGNETIC

30' 15' 0 30'



PROJECT KEYPLAN
NOT TO SCALE

Jan 11,2016 – 5:59pm
F:\mj915\MJ 915.XX New York State Fair\915.18 45331 NYSF Midway and RV Park\45331 C120A-C120C RV PARK LOUT.dwg

36x24 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

Engineering and Land Surveying, P.C.

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

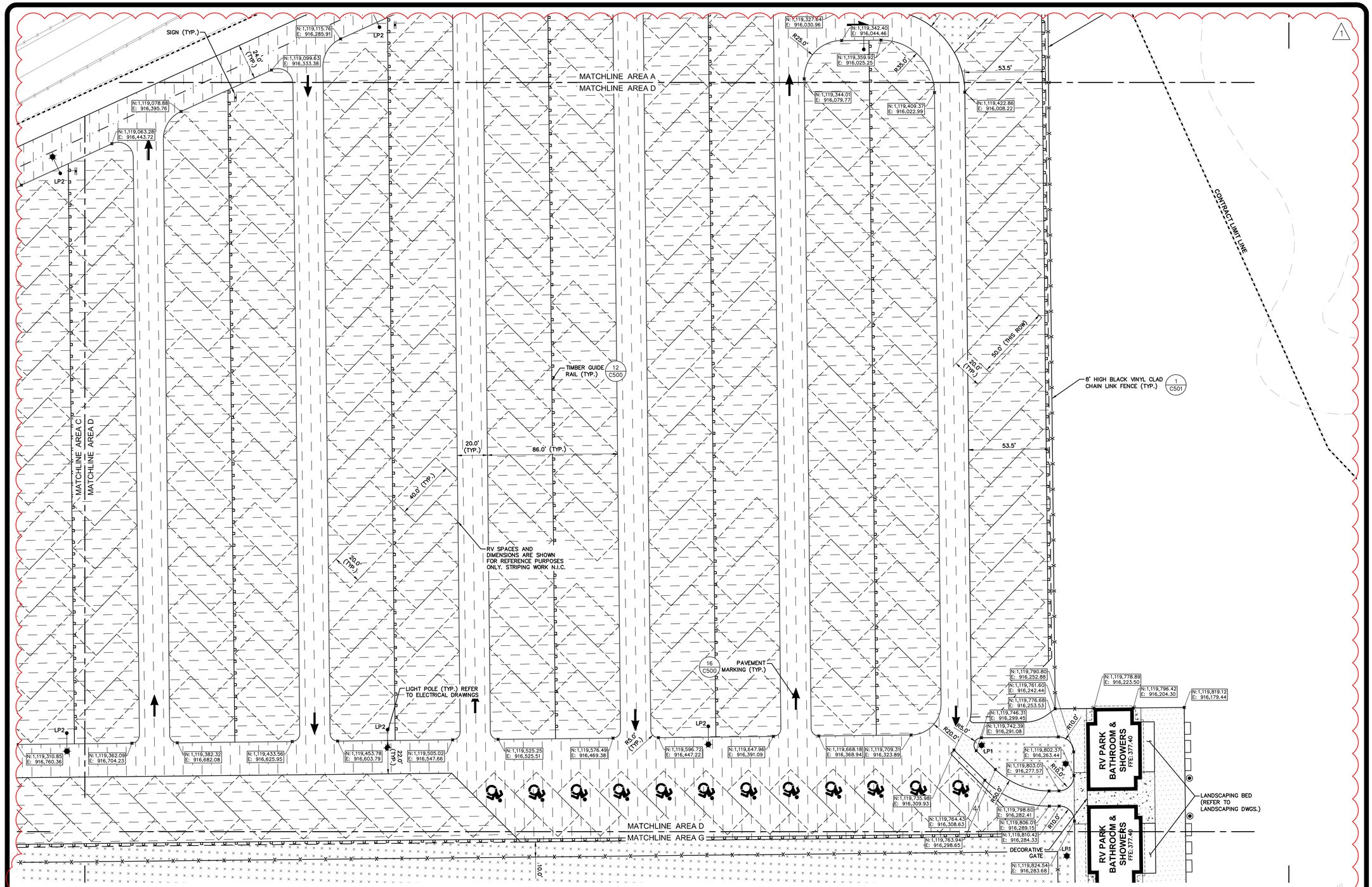
MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

PROJECT NUMBER:	45331 – C
DESIGNED BY:	TEW
DRAWN BY:	TEW
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
SITE LAYOUT PLAN AREA C

DRAWING NUMBER:
C–120C

SHEET OF

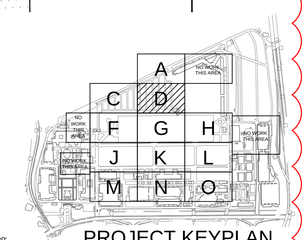


LEGEND:

- STANDARD ASPHALT/SUBBASE SEE DETAIL 1A/C500
- STANDARD ASPHALT SEE DETAIL 1B/C500
- HEAVY DUTY ASPHALT SEE DETAIL 2/C500
- GRASS RV PARKING SEE DETAIL 5/C500
- LAWN AREA
- CONCRETE SEE DETAIL 4/C500
- DETAIL NUMBER
- DETAIL REFERENCE
- DRAWING PAGE NUMBER
- CONTRACT LIMIT LINE
- LIGHT POLE (LP1, LP2, LP3, LP4, LP5)
- SIGN SEE DETAIL 13,14&15/C500
- TRASH RECEPTACLE SEE DETAIL 3/C501
- TIMBER GUIDE RAIL
- CHAIN LINK FENCE
- GEOMETRY POINT (N:1,119423.52 E: 916,003.25)
- SAWCUT LINE
- EXPANSION JOINT
- NOT IN CONCRTACT(N.I.C) BOUNDARY
- BENCH SEE DETAIL 2/C501

MAGNETIC

30' 15' 0 30'



PROJECT KEYPLAN
NOT TO SCALE

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT
Engineering and Land Surveying, P.C.

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

PROJECT NUMBER:	45331 – C
DESIGNED BY:	TEW
DRAWN BY:	TEW
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
SITE LAYOUT PLAN AREA D

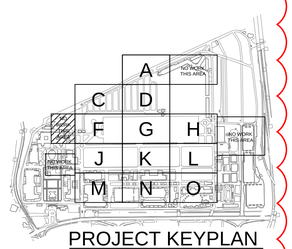
DRAWING NUMBER:
C–120D

SHEET OF

Jan 11,2016 – 5:59pm
F:\mj915\MJ 915.XX New York State Fair\915.18 45331 NYSF Midway and RV Park\45331 C120A–C120C RV PARK LOUT.dwg

36x24 PLOT SHEET

SHEET REMOVED FROM SET



PROJECT KEYPLAN
NOT TO SCALE

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

Engineering and Land Surveying, P.C.

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

PROJECT NUMBER:	45331 – C
DESIGNED BY:	TEW
DRAWN BY:	TEW
FIELD CHECK:	
APPROVED:	

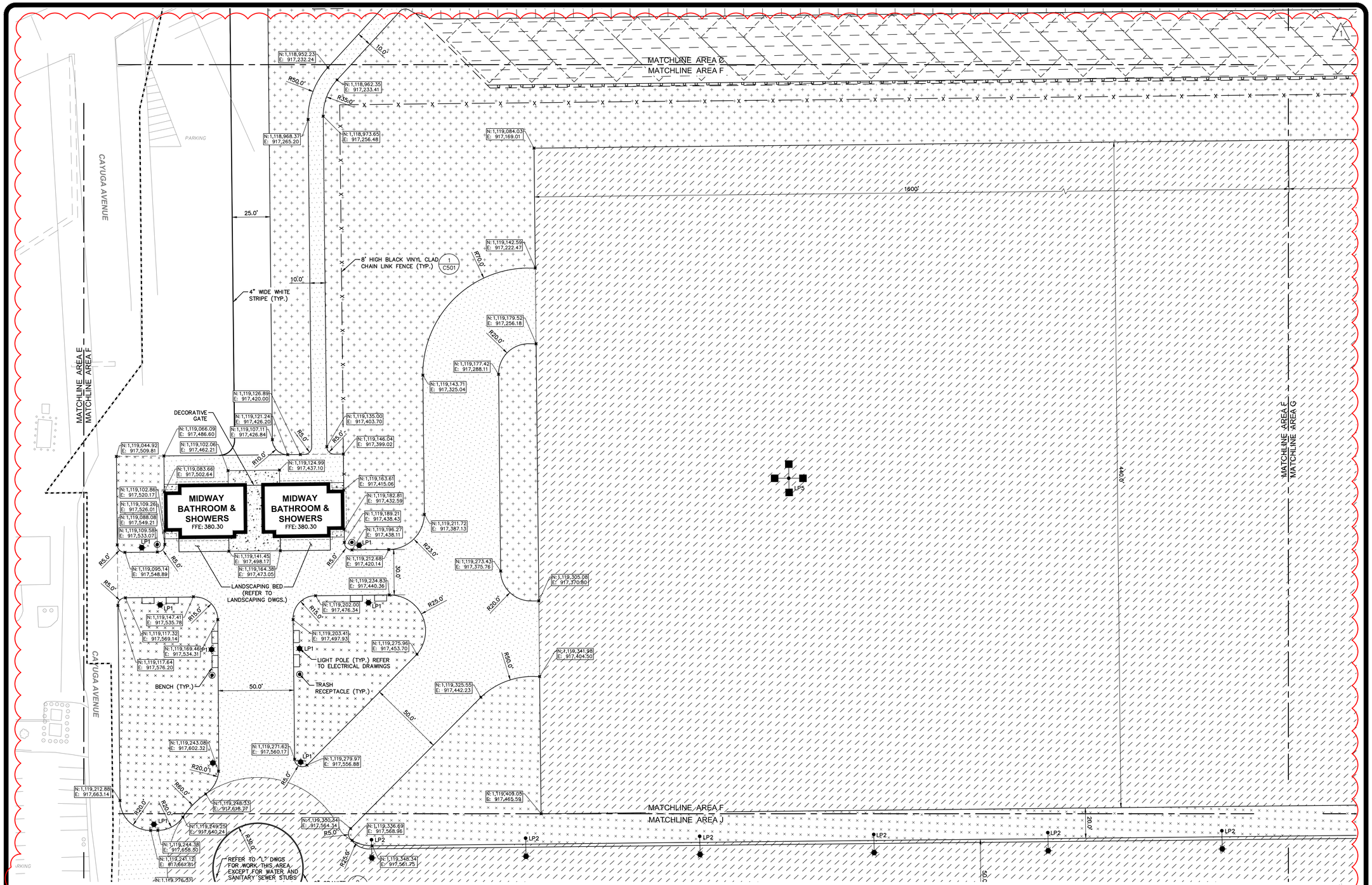
SHEET TITLE:
SITE LAYOUT PLAN AREA E

DRAWING NUMBER:
C–120E

SHEET --- OF

Jan 11,2016 – 5:59pm
F:\mj915\MJ 915.XX New York State Fair\915.18 45331 NYSF Midway and RV Park\45331 C120D-C120I MIDWAY LOUT.dwg

36x24 PLOT SHEET

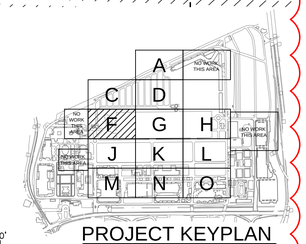


LEGEND:

- STANDARD ASPHALT/SUBBASE SEE DETAIL 1A/C500
- STANDARD ASPHALT SEE DETAIL 1B/C500
- HEAVY DUTY ASPHALT SEE DETAIL 2/C500
- GRASS RV PARKING SEE DETAIL 5/C500
- LAWN AREA
- CONCRETE SEE DETAIL 4/C500
- DETAIL NUMBER
- DETAIL REFERENCE
- DRAWING PAGE NUMBER
- CONTRACT LIMIT LINE
- LIGHT POLE
- SIGN SEE DETAIL 13,14&15/C500
- TRASH RECEPTACLE SEE DETAIL 3/C501
- TIMBER GUIDE RAIL
- CHAIN LINK FENCE
- GEOMETRY POINT
- SAWCUT LINE
- EXPANSION JOINT
- NOT IN CONCRTACT(N.I.C) BOUNDARY
- BENCH SEE DETAIL 2/C501

MAGNETIC

30' 15' 0 30'



PROJECT KEYPLAN
NOT TO SCALE

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

Engineering and Land Surveying, P.C.

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

PROJECT NUMBER:	45331 – C
DESIGNED BY:	TEW
DRAWN BY:	TEW
FIELD CHECK:	
APPROVED:	

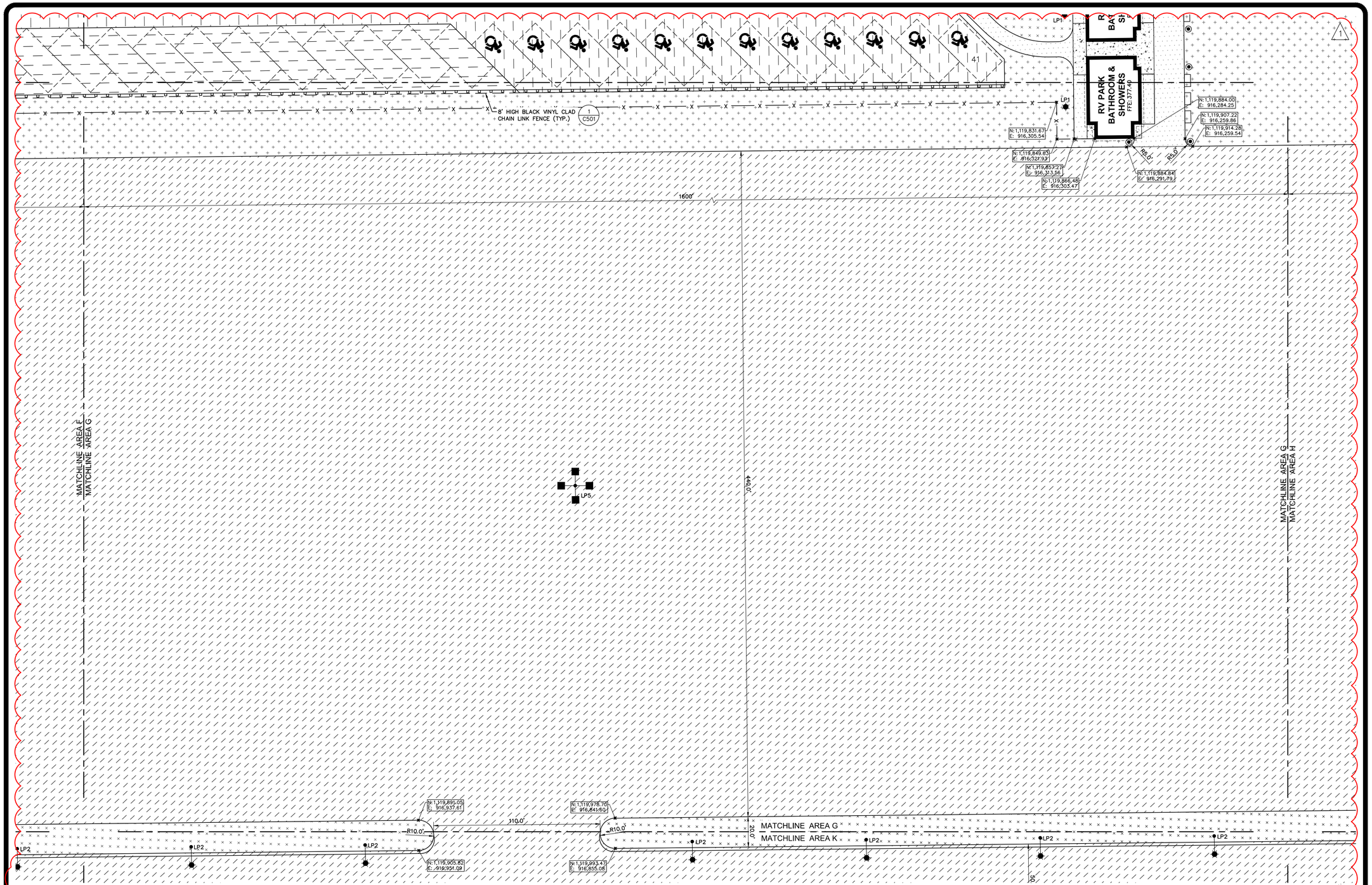
SHEET TITLE:
SITE LAYOUT PLAN AREA F

DRAWING NUMBER:
C–120F

SHEET OF

Jan 13,2016 – 4:35pm
F:\m915\MJ 915.XX New York State Fair\915.18 45331 NYSF Midway and RV Park\45331 C120D-C120I MIDWAY LOUT.dwg

36x24 PLOT SHEET

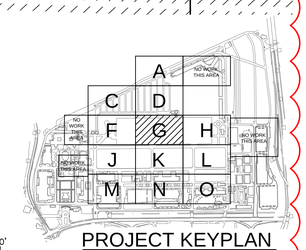


LEGEND:

- STANDARD ASPHALT/SUBBASE SEE DETAIL 1A/C500
- STANDARD ASPHALT SEE DETAIL 1B/C500
- HEAVY DUTY ASPHALT SEE DETAIL 2/C500
- GRASS RV PARKING SEE DETAIL 5/C500
- LAWN AREA
- CONCRETE SEE DETAIL 4/C500
- DETAIL NUMBER
- DETAIL REFERENCE
- DRAWING PAGE NUMBER
- CONTRACT LIMIT LINE
- LIGHT POLE
- SIGN SEE DETAIL 13,14&15/C500
- TRASH RECEPTACLE SEE DETAIL 3/C501
- TIMBER GUIDE RAIL
- CHAIN LINK FENCE
- GEOMETRY POINT
- SAWCUT LINE
- EXPANSION JOINT
- NOT IN CONCRTACT(N.I.C) BOUNDARY
- BENCH SEE DETAIL 2/C501

MAGNETIC

30' 15' 0 30'



PROJECT KEYPLAN
NOT TO SCALE

Jan 13,2016 – 4:36pm
F:\mj915\MJ 915.XX New York State Fair\915.18 45331 NYSF Midway and RV Park\45331 C120D-C120I MIDWAY LOUT.dwg

36x24 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

Engineering and Land Surveying, P.C.

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

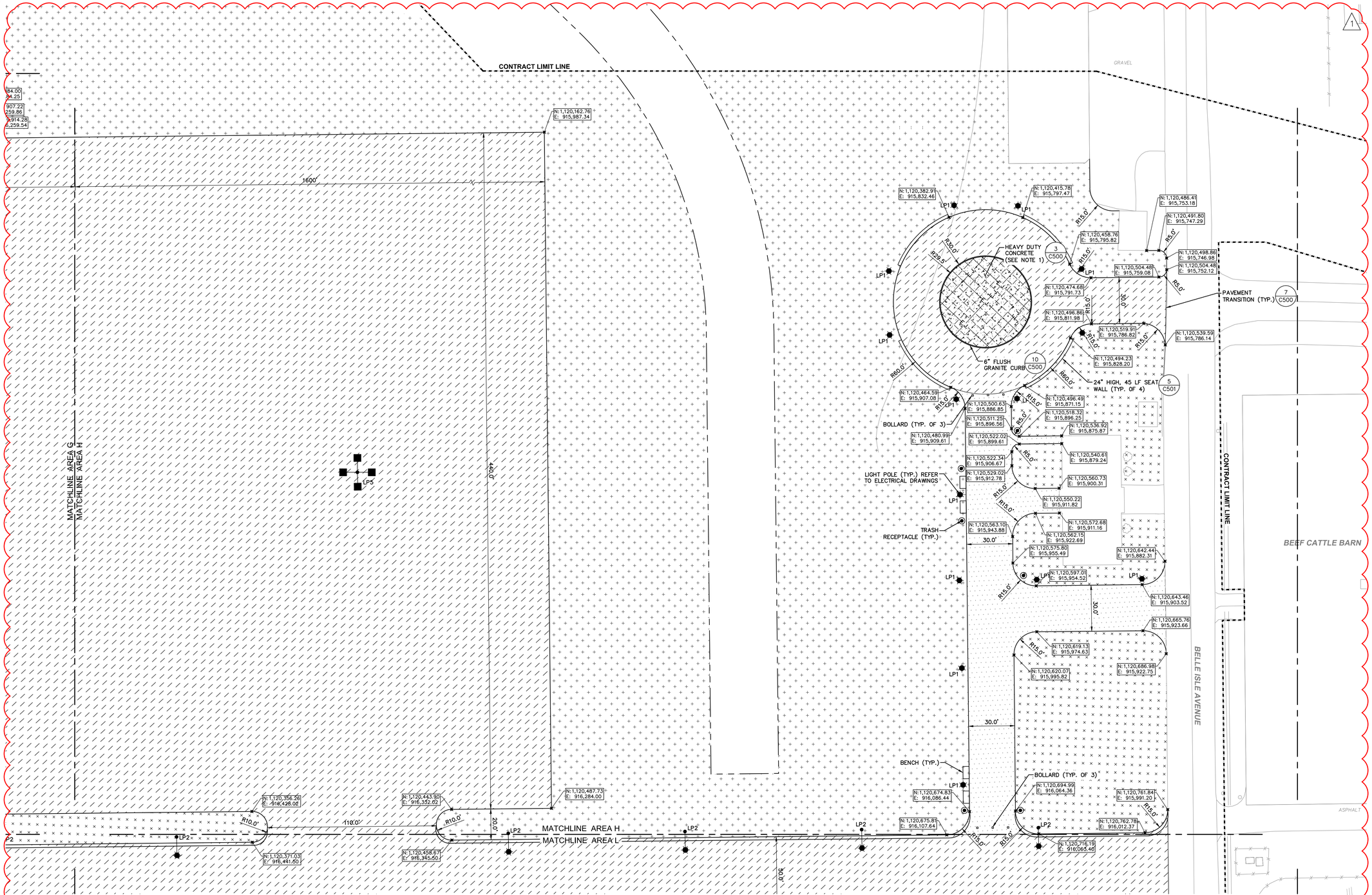
MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

PROJECT NUMBER:	45331 – C
DESIGNED BY:	TEW
DRAWN BY:	TEW
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
SITE LAYOUT PLAN AREA G

DRAWING NUMBER:
C–120G

SHEET OF



NOTE:

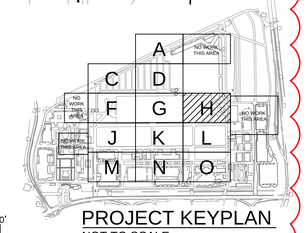
1. SCORING PATTERN SHALL BE 5'X5' O.C. WITH EXPANSION JOINTS AT A MAXIMUM OF 20' O.C.

LEGEND:

- STANDARD ASPHALT/SUBBASE SEE DETAIL 1A/C500
- STANDARD ASPHALT SEE DETAIL 1B/C500
- HEAVY DUTY ASPHALT SEE DETAIL 2/C500
- GRASS RV PARKING SEE DETAIL 5/C500
- LAWN AREA
- CONCRETE SEE DETAIL 4/C500
- DETAIL NUMBER
- DETAIL REFERENCE
- DRAWING PAGE NUMBER
- CONTRACT LIMIT LINE
- LIGHT POLE
- SIGN SEE DETAIL 13,14&15/C500
- TRASH RECEPTACLE SEE DETAIL 3/C501
- TIMBER GUIDE RAIL
- CHAIN LINK FENCE
- GEOMETRY POINT
- SAWCUT LINE
- EXPANSION JOINT
- NOT IN CONCRTACT(N.I.C) BOUNDARY
- BENCH SEE DETAIL 2/C501

MAGNETIC

30' 15' 0 30'



PROJECT KEYPLAN
NOT TO SCALE

Jan 13,2016 – 4:36pm
F:\mj915\MJ 915.XX New York State Fair\915.18 45331 NYSF Midway and RV Park\45331 C120D-C120I MIDWAY LOUT.dwg

36x24 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

Engineering and Land Surveying, P.C.

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CONTRACT:

CONSTRUCTION

TITLE:

PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:

NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:

NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

PROJECT NUMBER:	45331 – C
DESIGNED BY:	TEW
DRAWN BY:	TEW
FIELD CHECK:	
APPROVED:	

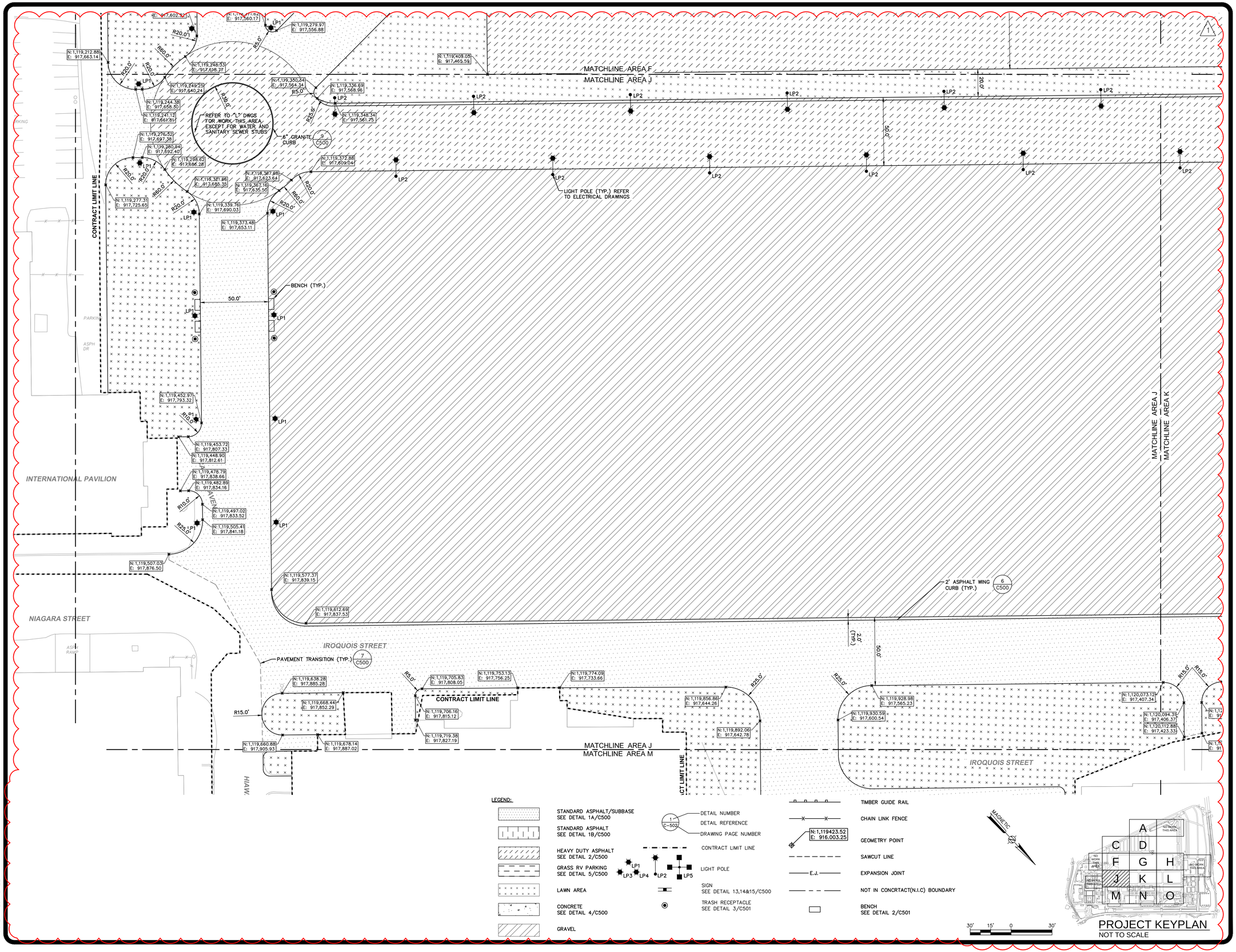
SHEET TITLE:

SITE LAYOUT PLAN AREA H

DRAWING NUMBER:

C–120H

SHEET OF



LEGEND:

- STANDARD ASPHALT/SUBBASE SEE DETAIL 1A/C500
- STANDARD ASPHALT SEE DETAIL 1B/C500
- HEAVY DUTY ASPHALT SEE DETAIL 2/C500
- GRASS RV PARKING SEE DETAIL 5/C500
- LAWN AREA
- CONCRETE SEE DETAIL 4/C500
- GRAVEL
- DETAIL NUMBER
- DETAIL REFERENCE
- DRAWING PAGE NUMBER
- CONTRACT LIMIT LINE
- LIGHT POLE
- SIGN SEE DETAIL 13,14&15/C500
- TRASH RECEPTACLE SEE DETAIL 3/C501
- TIMBER GUIDE RAIL
- CHAIN LINK FENCE
- GEOMETRY POINT
- SAWCUT LINE
- EXPANSION JOINT
- NOT IN CONCRTACT(N.I.C) BOUNDARY
- BENCH SEE DETAIL 2/C501

PROJECT KEYPLAN
NOT TO SCALE

Jan 13,2016 - 4:36pm
F:\mj915\MJ 915.XX New York State Fair\915.18 45331 NYSF Midway and RV Park\45331 C120D-C120I MIDWAY LOUT.dwg

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DESIGN & CONSTRUCTION

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

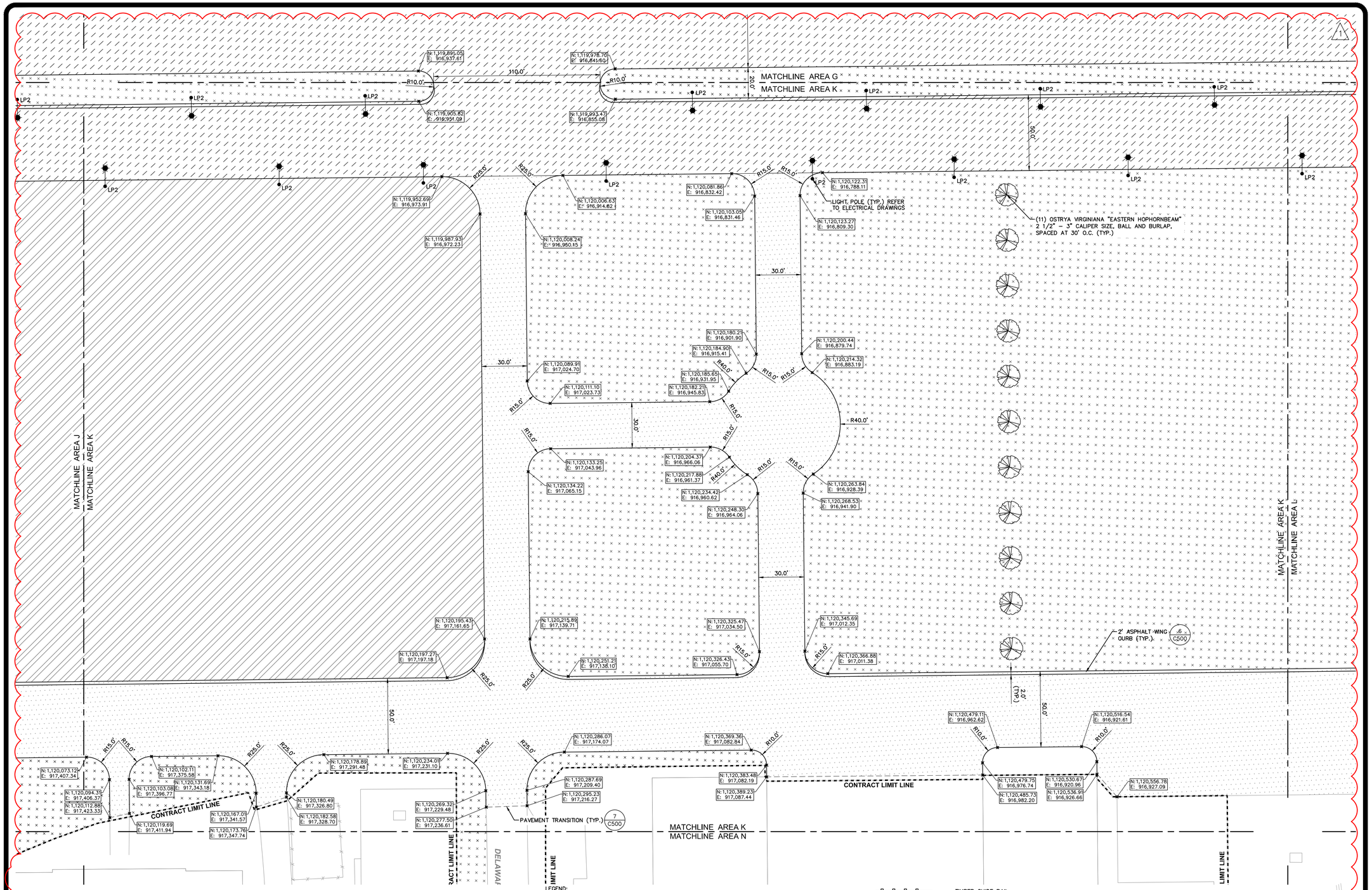
MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

PROJECT NUMBER:	45331 – C
DESIGNED BY:	TEW
DRAWN BY:	TEW
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
SITE LAYOUT PLAN AREA J

DRAWING NUMBER:
C–120J

SHEET OF



LEGEND:

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- STANDARD ASPHALT SEE DETAIL 1B/C500
- HEAVY DUTY ASPHALT SEE DETAIL 2/C500
- GRASS RV PARKING SEE DETAIL 5/C500
- LAWN AREA
- CONCRETE SEE DETAIL 4/C500
- GRAVEL
- DETAIL NUMBER
- DETAIL REFERENCE
- DRAWING PAGE NUMBER
- CONTRACT LIMIT LINE
- LIGHT POLE
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- TRASH RECEPTACLE SEE DETAIL 3/C501
- TIMBER GUIDE RAIL
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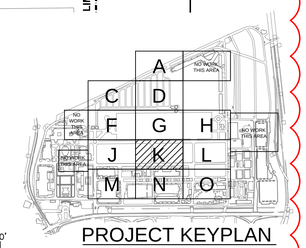
- GEOMETRY POINT
- SAWCUT LINE
- EXPANSION JOINT
- NOT IN CONCRTACT(N.I.C) BOUNDARY
- BENCH SEE DETAIL 2/C501

MAGNETIC

30' 15' 0 30'



PROJECT KEYPLAN
NOT TO SCALE

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

PROJECT NUMBER:	45331 – C
DESIGNED BY:	TEW
DRAWN BY:	TEW
FIELD CHECK:	
APPROVED:	

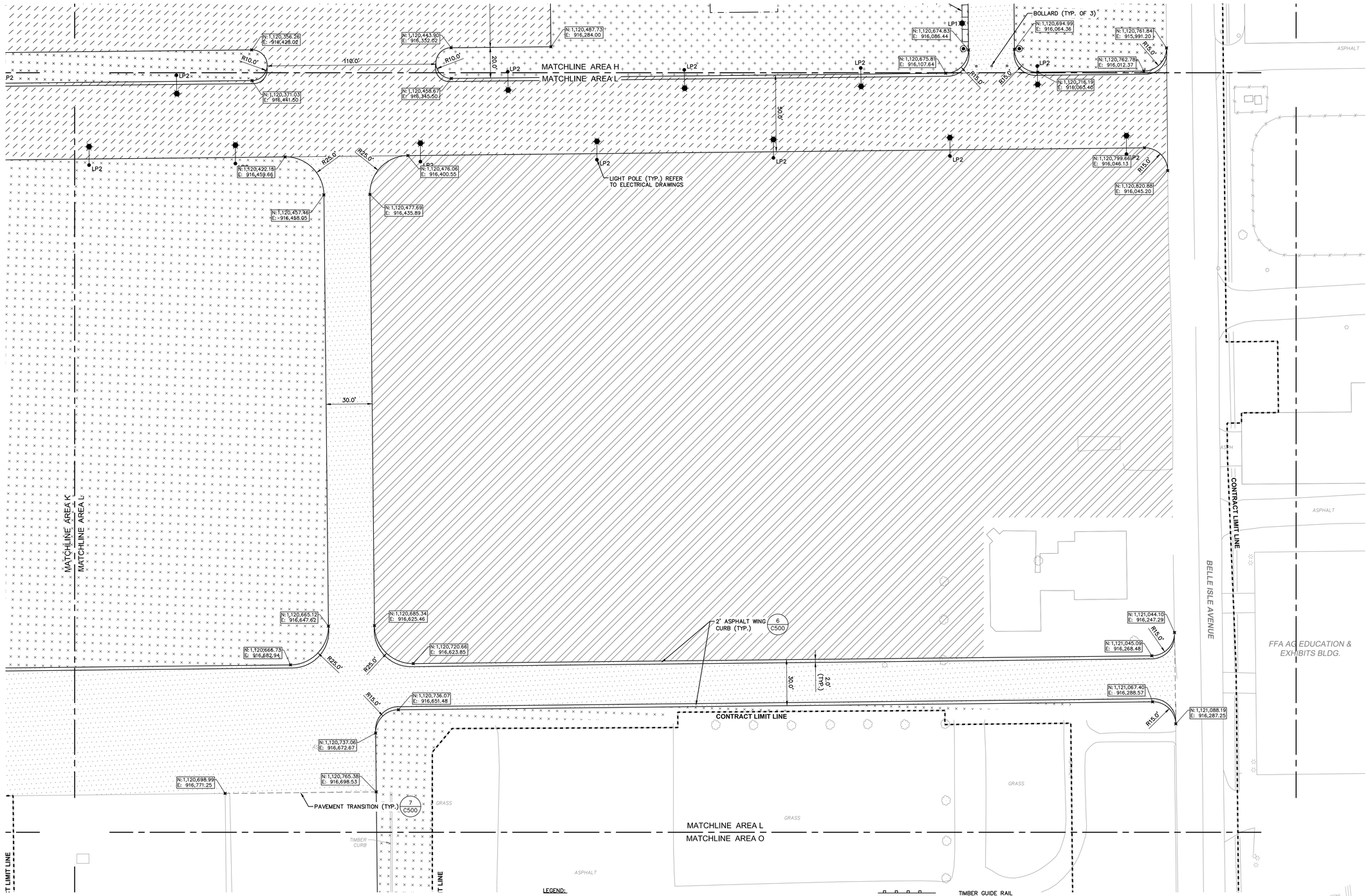
SHEET TITLE:
SITE LAYOUT PLAN AREA K

DRAWING NUMBER:
C–120K

SHEET OF

Jan 13,2016 – 4:45pm
F:\mj\915\mj 915.xx new york state fair\915.18 45331 nysf midway and rv park\45331 C120D–C120I MIDWAY LOUT.dwg

36x24 PLOT SHEET

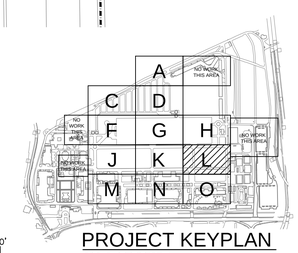


LEGEND:

- STANDARD ASPHALT/SUBBASE SEE DETAIL 1A/C500
- STANDARD ASPHALT SEE DETAIL 1B/C500
- HEAVY DUTY ASPHALT SEE DETAIL 2/C500
- GRASS RV PARKING SEE DETAIL 5/C500
- LAWN AREA
- CONCRETE SEE DETAIL 4/C500
- GRAVEL
- DETAIL NUMBER / DETAIL REFERENCE / DRAWING PAGE NUMBER
- CONTRACT LIMIT LINE
- LIGHT POLE (LP1, LP2, LP3, LP4, LP5)
- SIGN SEE DETAIL 13,14&15/C500
- TRASH RECEPTACLE SEE DETAIL 3/C501
- TIMBER GUIDE RAIL
- CHAIN LINK FENCE
- GEOMETRY POINT (N:1,119423.52 E: 916.003.25)
- SAWCUT LINE
- E.J. EXPANSION JOINT
- NOT IN CONCRTACT(N.I.C) BOUNDARY
- BENCH SEE DETAIL 2/C501

MAGNETIC

30' 15' 0 30'



PROJECT KEYPLAN
NOT TO SCALE

Jan 13,2016 - 4:37pm
F:\mj915\MJ 915.XX New York State Fair\915.18 45331 NYSF Midway and RV Park\45331 C120D-C120I MIDWAY LOUT.dwg

36x24 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

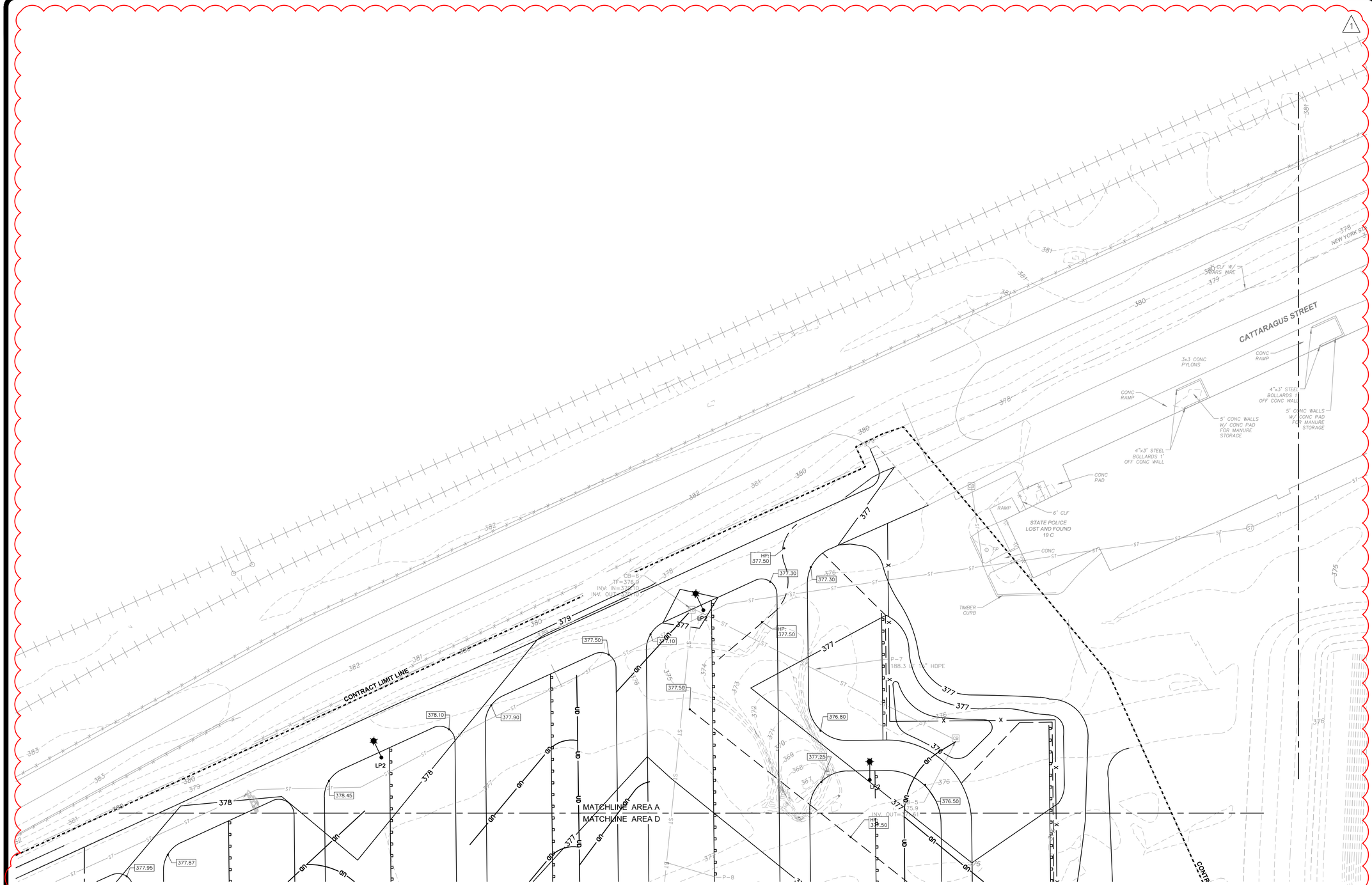
MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

PROJECT NUMBER:	45331 – C
DESIGNED BY:	TEW
DRAWN BY:	TEW
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
SITE LAYOUT PLAN AREA L

DRAWING NUMBER:
C–120L

SHEET OF



STORM UTILITY NOTES:

1. NEW STORM SEWER PIPES AS PART OF THIS PROJECT OR STORM SEWER PIPES INSTALLED UNDER PROJECT 45309 AND ARE WITHIN THE CONTRACT LIMIT LINES IN SOME CASES HAVE LESS THAN 2 FEET OF COVER OVER THE TOP OF THE INSTALLED PIPES. THE CONTRACTOR SHALL INCLUDE AS PART OF THEIR BID, THE NECESSARY MATERIAL, LABOR AND EQUIPMENT TO PROVIDE APPROPRIATE PROTECTION OF THE EXISTING AND NEWLY INSTALLED STORM SEWER PIPES DURING SITE ACTIVITIES UNTIL THE PERMANENT SURFACE TREATMENTS (LAWN, PAVEMENT) ARE INSTALLED.
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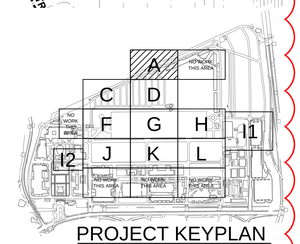
5. SEE ALSO SHEETS C-150A THROUGH C-150O FOR ADDITIONAL DRAINAGE IMPROVEMENTS/REPLACEMENTS REQUIRED OUTSIDE MASS EARTHWORK AREAS.
6. RAISE OF LOWER THE EXISTING FRAMES, COVERS, AND GRATINGS OF MANHOLES AND DRAINAGE STRUCTURES TO THE GRADES AS SHOWN ON THE CONTRACT DRAWINGS.

LEGEND:

235	CONTOUR LINE
ST	STORMWATER LINE
ST	STORMWATER MANHOLE
CB	CATCHBASIN
B/IT-#	BORING/INFILTRATION TEST
1 / C-502	DETAIL NUMBER / DETAIL REFERENCE / DRAWING PAGE NUMBER
	CONTRACT LIMIT LINE
370.13	SPOT ELEVATION

MAGNETIC

30' 15' 0 30'



PROJECT KEYPLAN
NOT TO SCALE

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

Engineering and Land Surveying, P.C.

OSPA ENGINEERING SERVICES, PC

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

PROJECT NUMBER:	45331 – C
DESIGNED BY:	JMB
DRAWN BY:	TEW
FIELD CHECK:	
APPROVED:	

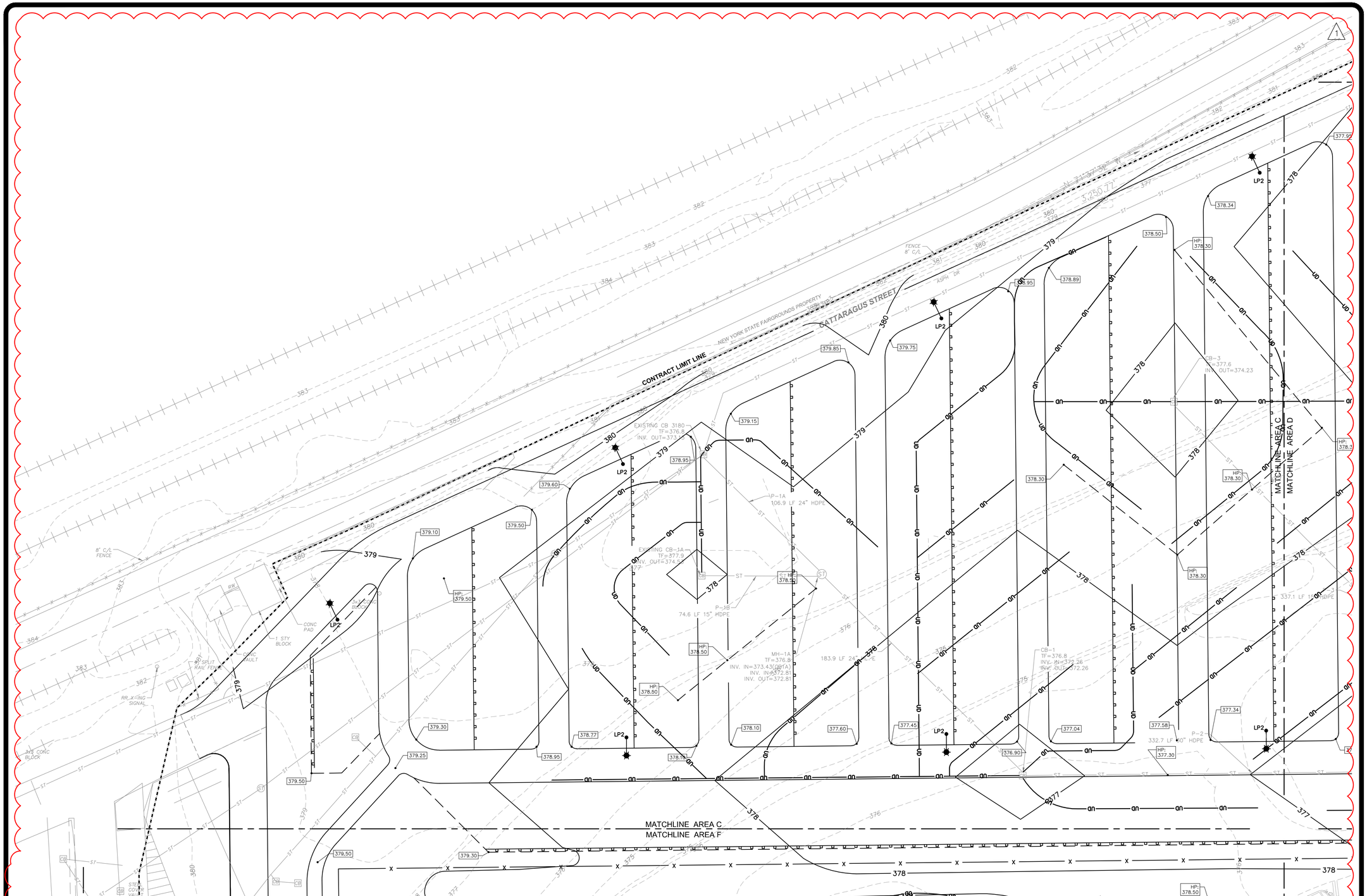
SHEET TITLE:
GRADING AND DRAINAGE PLAN AREA A

DRAWING NUMBER:
C-130A

SHEET OF

Jan 11,2016 – 6:01pm
F:\mj915\MJ 915.XX New York State Fair\915.18 45331 NYSF Midway and RV Park\45331 C130A-C130C RV PARK GRADING AND DRAIN.dwg

36x24 PLOT SHEET



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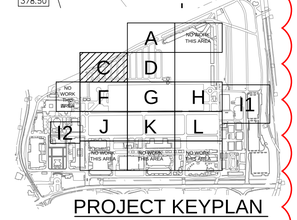
LEGEND:

235	CONTOUR LINE
ST	STORMWATER LINE
ST	STORMWATER MANHOLE
CB	CATCHBASIN
B/IT-#	BORING/INFILTRATION TEST
1 / C-502	DETAIL NUMBER / DETAIL REFERENCE / DRAWING PAGE NUMBER
	CONTRACT LIMIT LINE
370.13	SPOT ELEVATION

30' 15' 0 30'



PROJECT KEYPLAN
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NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT
Engineering and Land Surveying, P.C.
OSPA ENGINEERING SERVICES, PC

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

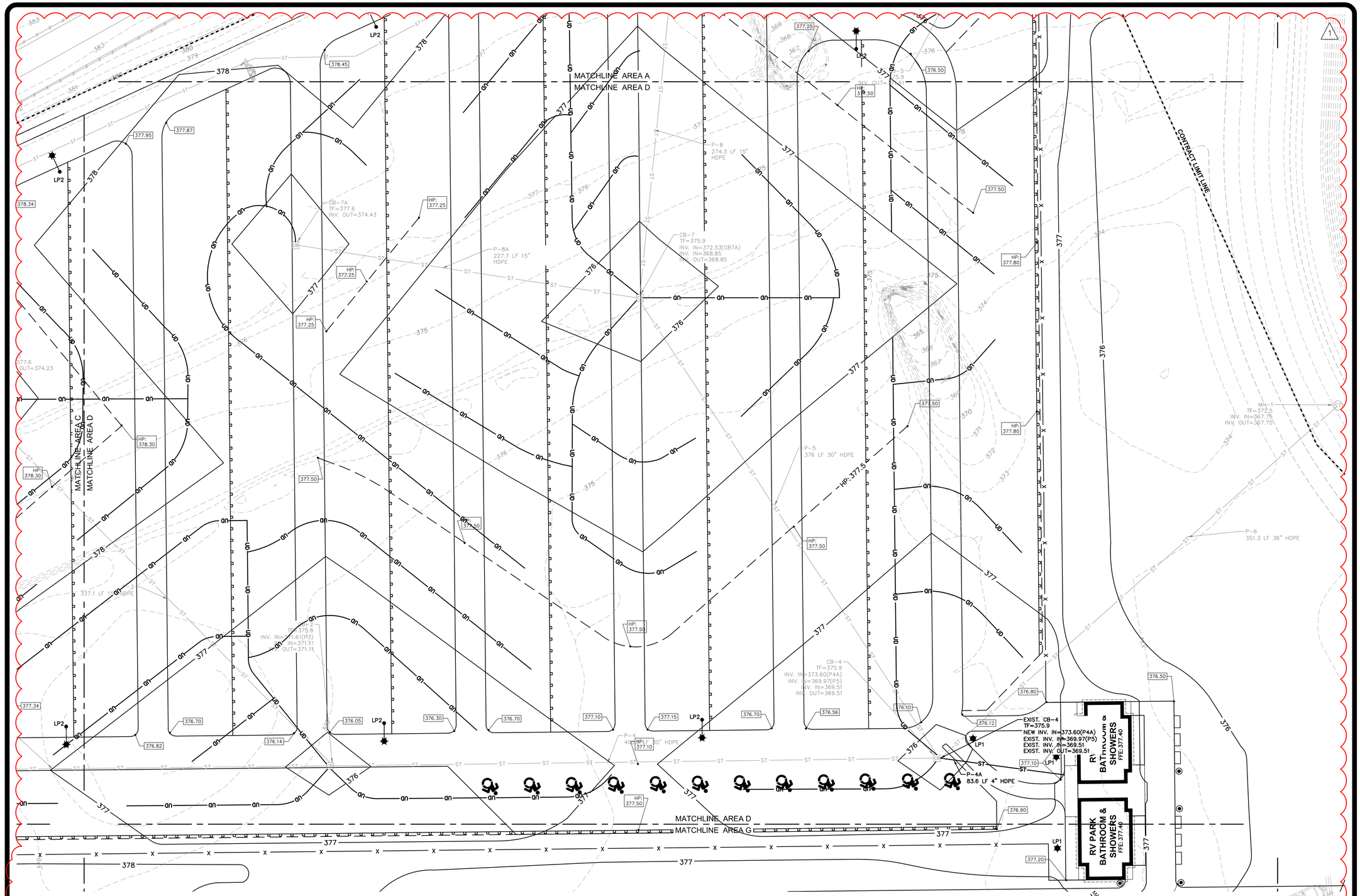
PROJECT NUMBER:	45331 – C
DESIGNED BY:	JMB
DRAWN BY:	TEW
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
GRADING AND DRAINAGE PLAN AREA C

DRAWING NUMBER:
C-130C

SHEET OF

Jan 11,2016 – 6:01pm
F:\mj\915\MJ 915.XX New York State Fair\915.18 45331 NYSF Midway and RV Park\45331 C130A-C130C RV PARK GRADING AND DRAIN.dwg
36x24 PLOT SHEET



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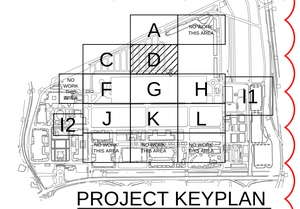
6. RAISE OF LOWER THE EXISTING FRAMES, COVERS, AND GRATINGS OF MANHOLES AND DRAINAGE STRUCTURES TO THE GRADES AS SHOWN ON THE CONTRACT DRAWINGS.

LEGEND:

- 235 — CONTOUR LINE
- ST — STORMWATER LINE
- ST — STORMWATER MANHOLE
- CB — CATCHBASIN
- B/IT-# — BORING/INFILTRATION TEST
- 1 / C-502 — DETAIL NUMBER / DETAIL REFERENCE / DRAWING PAGE NUMBER
- CONTRACT LIMIT LINE
- 370.13 — SPOT ELEVATION

30' 15' 0 30'



PROJECT KEYPLAN
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DESIGN & CONSTRUCTION

CONSULTANT
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OSPA ENGINEERING SERVICES, PC

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

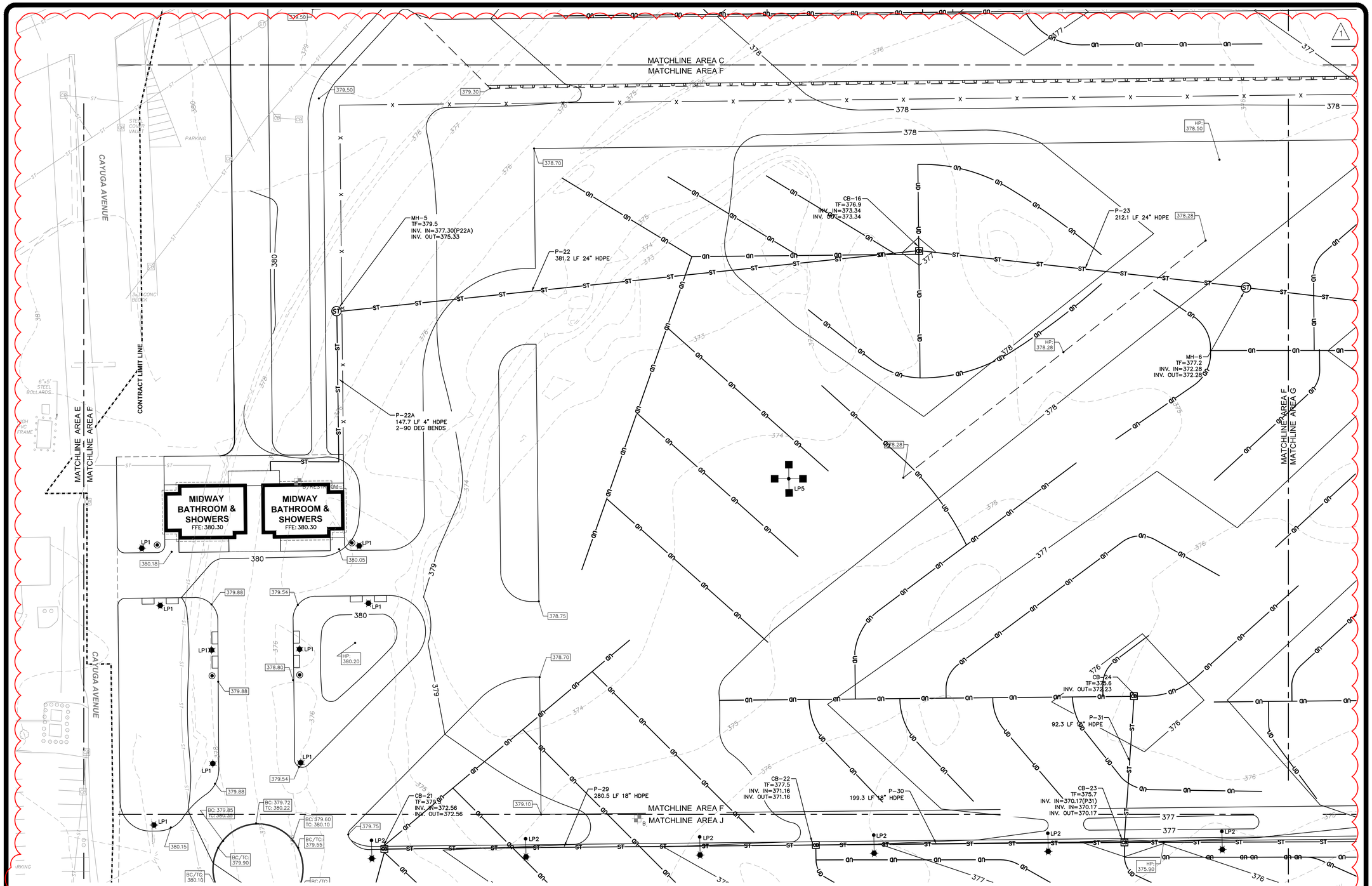
PROJECT NUMBER:	45331 – C
DESIGNED BY:	JMB
DRAWN BY:	TEW
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
GRADING AND DRAINAGE PLAN AREA D

DRAWING NUMBER:
C-130D

SHEET OF

Jan 11,2016 – 6:01pm
F:\mj915\MJ 915.XX New York State Fair\915.18 45331 NYSF Midway and RV Park\45331 C130A-C130C RV PARK GRADING AND DRAIN.dwg
36x24 PLOT SHEET



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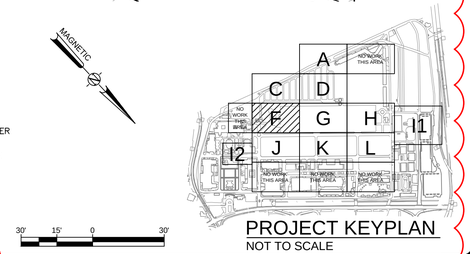
LEGEND:

235	CONTOUR LINE
ST	STORMWATER LINE
ST	STORMWATER MANHOLE
CB	CATCHBASIN
B/IT-9	BORING/INFILTRATION TEST
1 / C-502	DETAIL NUMBER / DETAIL REFERENCE / DRAWING PAGE NUMBER
	CONTRACT LIMIT LINE
370.13	SPOT ELEVATION



PROJECT KEYPLAN
NOT TO SCALE

30' 15' 0 30'

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

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OSPA ENGINEERING SERVICES, PC

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

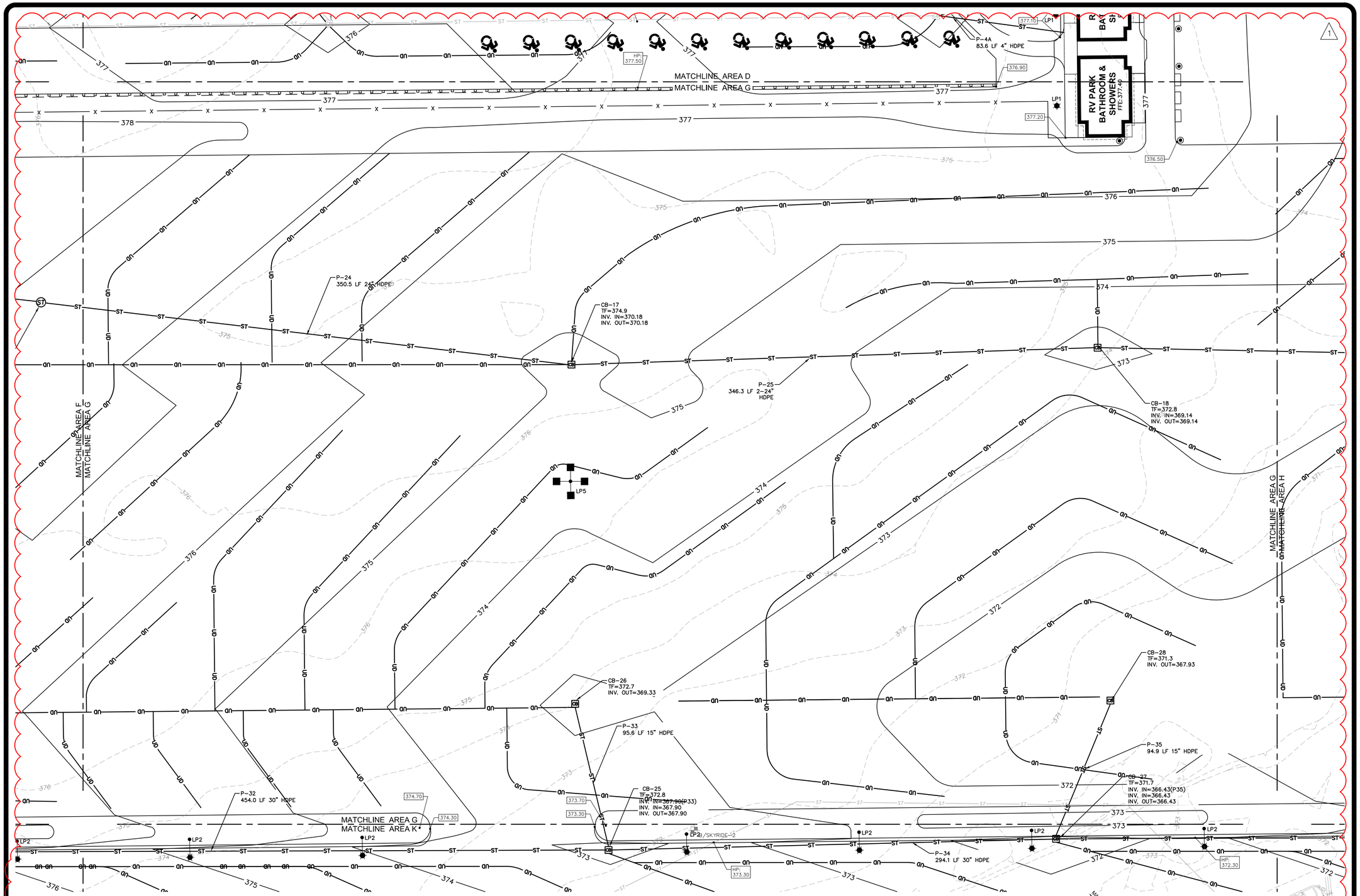
PROJECT NUMBER:	45331 – C
DESIGNED BY:	JMB
DRAWN BY:	TEW
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
GRADING AND DRAINAGE PLAN AREA F

DRAWING NUMBER:
C-130F

SHEET OF

Jan 13,2016 – 4:38pm
F:\mj\915\mj 915.xx new york state fair\915.18 45331 nysf midway and rv park\45331 C130D-C130I MIDWAY GRADING AND DRAIN.dwg
36x24 PLOT SHEET



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LEGEND:

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- ST — STORMWATER LINE
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- B/IT-9 — BORING/INFILTRATION TEST
- 1 / C-502 — DETAIL NUMBER / DETAIL REFERENCE / DRAWING PAGE NUMBER
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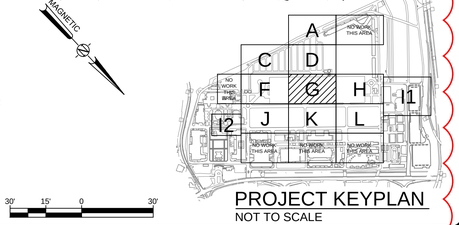
- 370.13 — SPOT ELEVATION

30' 15' 0 30'



PROJECT KEYPLAN
NOT TO SCALE

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
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CLIENT:
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PROJECT NUMBER:	45331 – C
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DRAWN BY:	TEW
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
GRADING AND DRAINAGE PLAN AREA G

DRAWING NUMBER:
C-130G

SHEET OF

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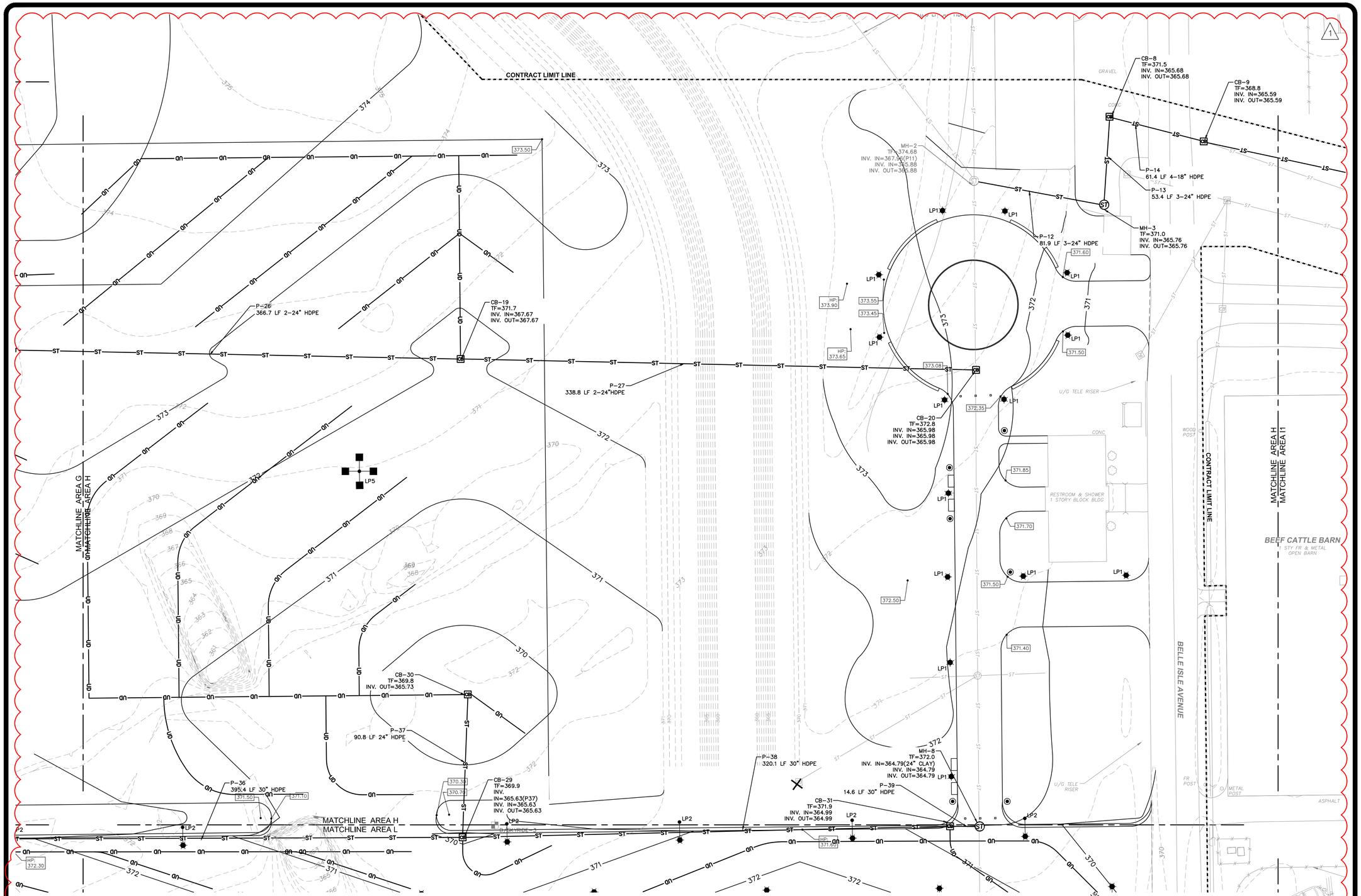

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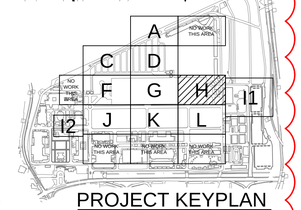

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
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581 STATE FAIR BOULEVARD
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NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

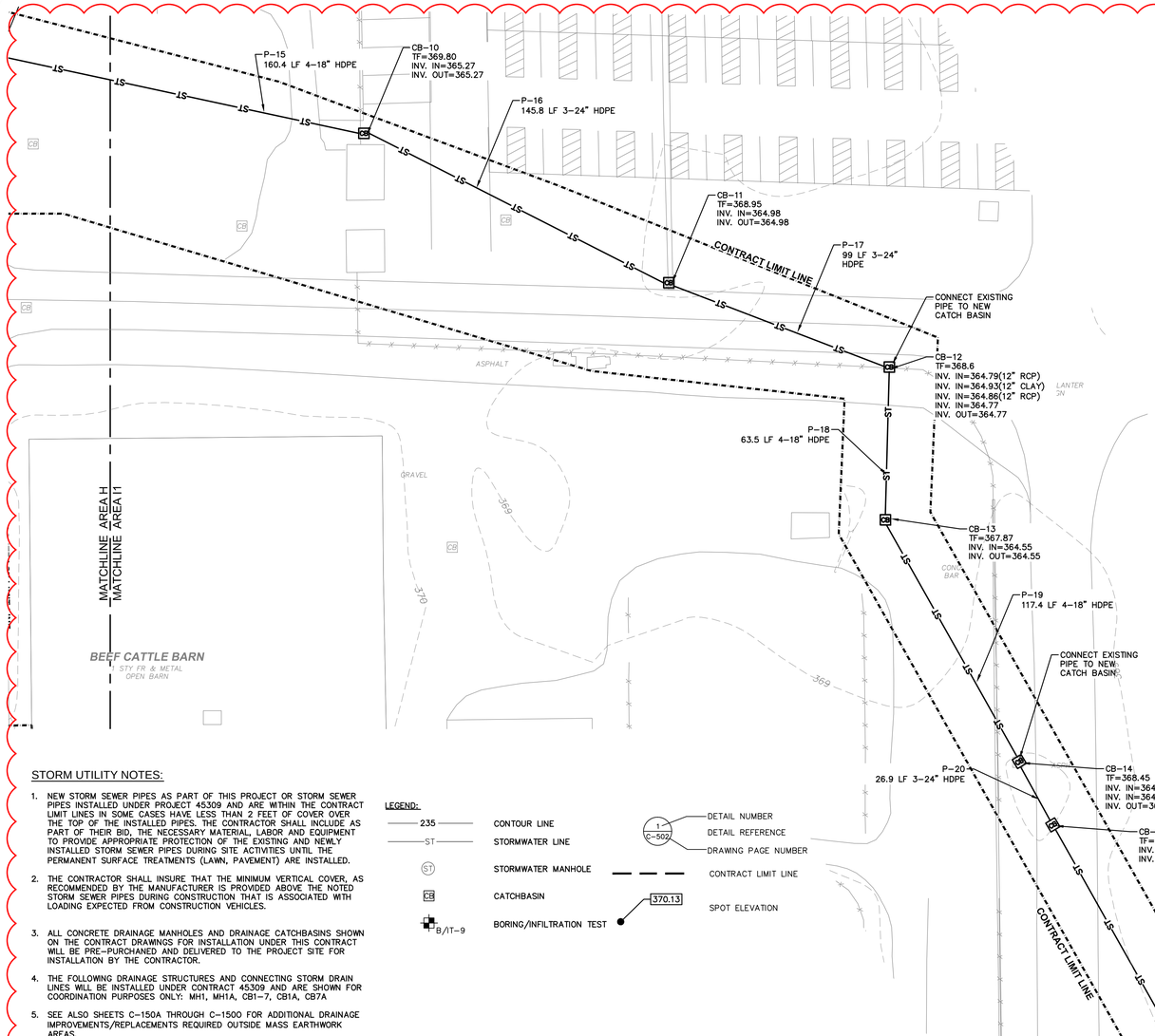
PROJECT NUMBER:	45331 – C
DESIGNED BY:	JMB
DRAWN BY:	TEW
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
GRADING AND DRAINAGE PLAN AREA H

DRAWING NUMBER:
C-130H

SHEET OF

Jan 13,2016 – 4:39pm
F:\mj\915\mj 915.xx new york state fair\915.18 45331 nysf midway and rv park\45331 C130D-C130I MIDWAY GRADING AND DRAIN.dwg
36x24 PLOT SHEET



1 DRAINAGE PLAN I1

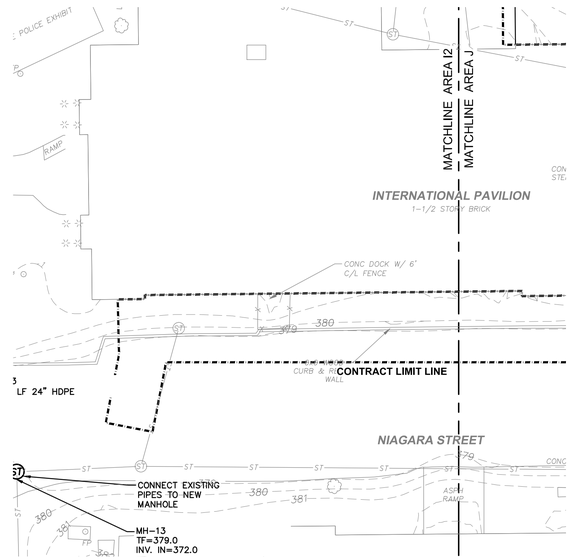
SCALE: 1" = 30'

STORM UTILITY NOTES:

1. NEW STORM SEWER PIPES AS PART OF THIS PROJECT OR STORM SEWER PIPES INSTALLED UNDER PROJECT 45309 AND ARE WITHIN THE CONTRACT LIMIT LINES IN SOME CASES HAVE LESS THAN 2 FEET OF COVER OVER THE TOP OF THE INSTALLED PIPES. THE CONTRACTOR SHALL INCLUDE AS PART OF THEIR BID, THE NECESSARY MATERIAL, LABOR AND EQUIPMENT TO PROVIDE APPROPRIATE PROTECTION OF THE EXISTING AND NEWLY INSTALLED STORM SEWER PIPES DURING SITE ACTIVITIES UNTIL THE PERMANENT SURFACE TREATMENTS (LAWN, PAVEMENT) ARE INSTALLED.
2. THE CONTRACTOR SHALL INSURE THAT THE MINIMUM VERTICAL COVER, AS RECOMMENDED BY THE MANUFACTURER IS PROVIDED ABOVE THE NOTED STORM SEWER PIPES DURING CONSTRUCTION THAT IS ASSOCIATED WITH LOADING EXPECTED FROM CONSTRUCTION VEHICLES.
3. ALL CONCRETE DRAINAGE MANHOLES AND DRAINAGE CATCHBASINS SHOWN ON THE CONTRACT DRAWINGS FOR INSTALLATION UNDER THIS CONTRACT WILL BE PRE-PURCHANED AND DELIVERED TO THE PROJECT SITE FOR INSTALLATION BY THE CONTRACTOR.
4. THE FOLLOWING DRAINAGE STRUCTURES AND CONNECTING STORM DRAIN LINES WILL BE INSTALLED UNDER CONTRACT 45309 AND ARE SHOWN FOR COORDINATION PURPOSES ONLY: MH1, MH1A, CB1-7, CB1A, CB7A
5. SEE ALSO SHEETS C-150A THROUGH C-1500 FOR ADDITIONAL DRAINAGE IMPROVEMENTS/REPLACEMENTS REQUIRED OUTSIDE MASS EARTHWORK AREAS.
6. RAISE OF LOWER THE EXISTING FRAMES, COVERS, AND GRATINGS OF MANHOLES AND DRAINAGE STRUCTURES TO THE GRADES AS SHOWN ON THE CONTRACT DRAWINGS.

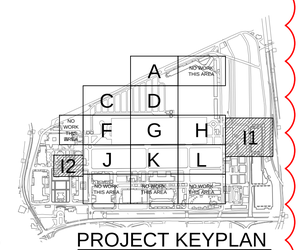
LEGEND:

235	CONTOUR LINE
ST	STORMWATER LINE
ST	STORMWATER MANHOLE
CB	CATCHBASIN
B/IT-9	BORING/INFILTRATION TEST
1 / C-502	DETAIL NUMBER / DETAIL REFERENCE / DRAWING PAGE NUMBER
	CONTRACT LIMIT LINE
370.13	SPOT ELEVATION



2 DRAINAGE PLAN I2

SCALE: 1" = 30'



PROJECT KEYPLAN

NOT TO SCALE

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

Engineering and Land Surveying, P.C.

OSPA ENGINEERING SERVICES, PC

WARNING:

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CONTRACT:

CONSTRUCTION

TITLE:

PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:

NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:

NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

PROJECT NUMBER:	45331 – C
DESIGNED BY:	JMB
DRAWN BY:	TEW
FIELD CHECK:	
APPROVED:	

SHEET TITLE:

GRADING AND DRAINAGE PLAN AREA I

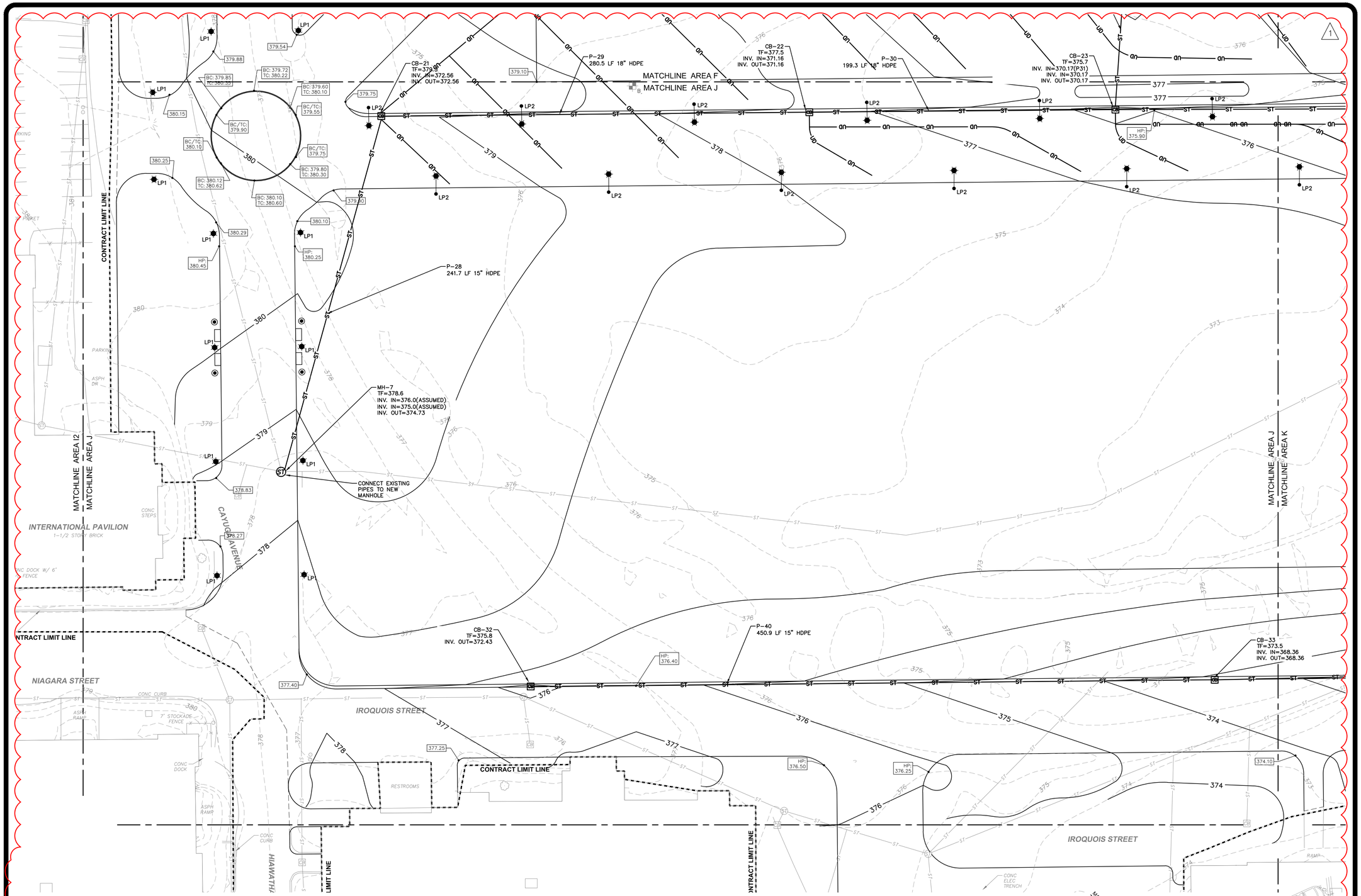
DRAWING NUMBER:

C-130I

SHEET OF

Jan 13,2016 – 4:40pm
F:\mj915\mj 915.xx new york state fair\915.18 45331 nysf midway and rv park\45331 C130D-C130I MIDWAY GRADING AND DRAIN.dwg

36x24 PLOT SHEET



STORM UTILITY NOTES:

1. NEW STORM SEWER PIPES AS PART OF THIS PROJECT OR STORM SEWER PIPES INSTALLED UNDER PROJECT 45309 AND ARE WITHIN THE CONTRACT LIMIT LINES IN SOME CASES HAVE LESS THAN 2 FEET OF COVER OVER THE TOP OF THE INSTALLED PIPES. THE CONTRACTOR SHALL INCLUDE AS PART OF THEIR BID, THE NECESSARY MATERIAL, LABOR AND EQUIPMENT TO PROVIDE APPROPRIATE PROTECTION OF THE EXISTING AND NEWLY INSTALLED STORM SEWER PIPES DURING SITE ACTIVITIES UNTIL THE PERMANENT SURFACE TREATMENTS (LAWN, PAVEMENT) ARE INSTALLED.
2. THE CONTRACTOR SHALL INSURE THAT THE MINIMUM VERTICAL COVER, AS RECOMMENDED BY THE MANUFACTURER IS PROVIDED ABOVE THE NOTED STORM SEWER PIPES DURING CONSTRUCTION THAT IS ASSOCIATED WITH LOADING EXPECTED FROM CONSTRUCTION VEHICLES.
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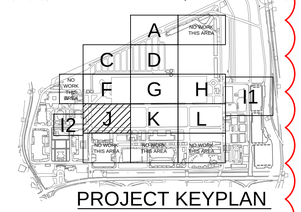
4. THE FOLLOWING DRAINAGE STRUCTURES AND CONNECTING STORM DRAIN LINES WILL BE INSTALLED UNDER CONTRACT 45309 AND ARE SHOWN FOR COORDINATION PURPOSES ONLY: MH1, MH1A, CB1-7, CB1A, CB7A
5. SEE ALSO SHEETS C-150A THROUGH C-150O FOR ADDITIONAL DRAINAGE IMPROVEMENTS/REPLACEMENTS REQUIRED OUTSIDE MASS EARTHWORK AREAS.
6. RAISE OF LOWER THE EXISTING FRAMES, COVERS, AND GRATINGS OF MANHOLES AND DRAINAGE STRUCTURES TO THE GRADES AS SHOWN ON THE CONTRACT DRAWINGS.

LEGEND:

- 235 — CONTOUR LINE
- ST — STORMWATER LINE
- ST — STORMWATER MANHOLE
- CB — CATCHBASIN
- B/IT-9 — BORING/INFILTRATION TEST
- 1 / C-502 — DETAIL NUMBER / DETAIL REFERENCE / DRAWING PAGE NUMBER
- CONTRACT LIMIT LINE
- 370.13 — SPOT ELEVATION

30' 15' 0 30'



PROJECT KEYPLAN
NOT TO SCALE

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT
Engineering and Land Surveying, P.C.
OSPA ENGINEERING SERVICES, PC

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

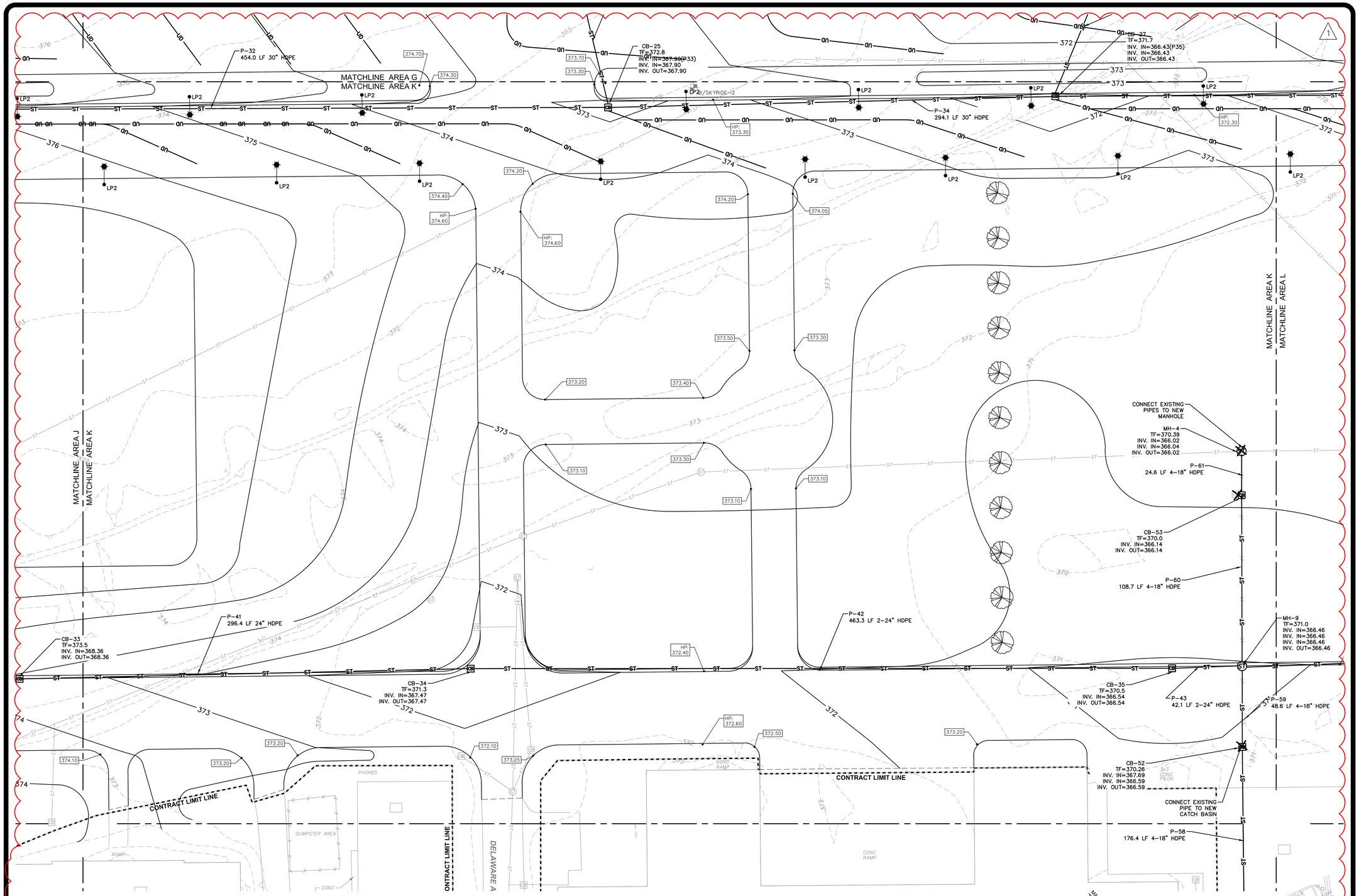
PROJECT NUMBER:	45331 – C
DESIGNED BY:	JMB
DRAWN BY:	TEW
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
GRADING AND DRAINAGE PLAN AREA J

DRAWING NUMBER:
C-130J

SHEET OF

Jan 13,2016 – 4:40pm
F:\mj\915\mj 915xx new york state fair\915.18 45331 nyst midway and rv park\45331 C130D-C130J MIDWAY GRADING AND DRAIN.dwg
36x24 PLOT SHEET



STORM UTILITY NOTES:

1. NEW STORM SEWER PIPES AS PART OF THIS PROJECT OR STORM SEWER PIPES INSTALLED UNDER PROJECT 45309 AND ARE WITHIN THE CONTRACT LIMIT LINES IN SOME CASES HAVE LESS THAN 2 FEET OF COVER OVER THE TOP OF THE INSTALLED PIPES. THE CONTRACTOR SHALL INCLUDE AS PART OF THEIR BID, THE NECESSARY MATERIAL, LABOR AND EQUIPMENT TO PROVIDE APPROPRIATE PROTECTION OF THE EXISTING AND NEWLY INSTALLED STORM SEWER PIPES DURING SITE ACTIVITIES UNTIL THE PERMANENT SURFACE TREATMENTS (LAWN, PAVEMENT) ARE INSTALLED.
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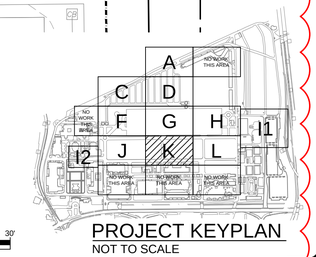
6. RAISE OF LOWER THE EXISTING FRAMES, COVERS, AND GRATINGS OF MANHOLES AND DRAINAGE STRUCTURES TO THE GRADES AS SHOWN ON THE CONTRACT DRAWINGS.

LEGEND:

- 235 — CONTOUR LINE
- ST — STORMWATER LINE
- ST — STORMWATER MANHOLE
- CB — CATCHBASIN
- B/IT-9 — BORING/INFILTRATION TEST
- C-502 — DETAIL NUMBER / DETAIL REFERENCE / DRAWING PAGE NUMBER
- CONTRACT LIMIT LINE
- 370.13 — SPOT ELEVATION

30' 15' 0 30'



PROJECT KEYPLAN
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NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

Engineering and Land Surveying, P.C.

OSPA ENGINEERING SERVICES, PC

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

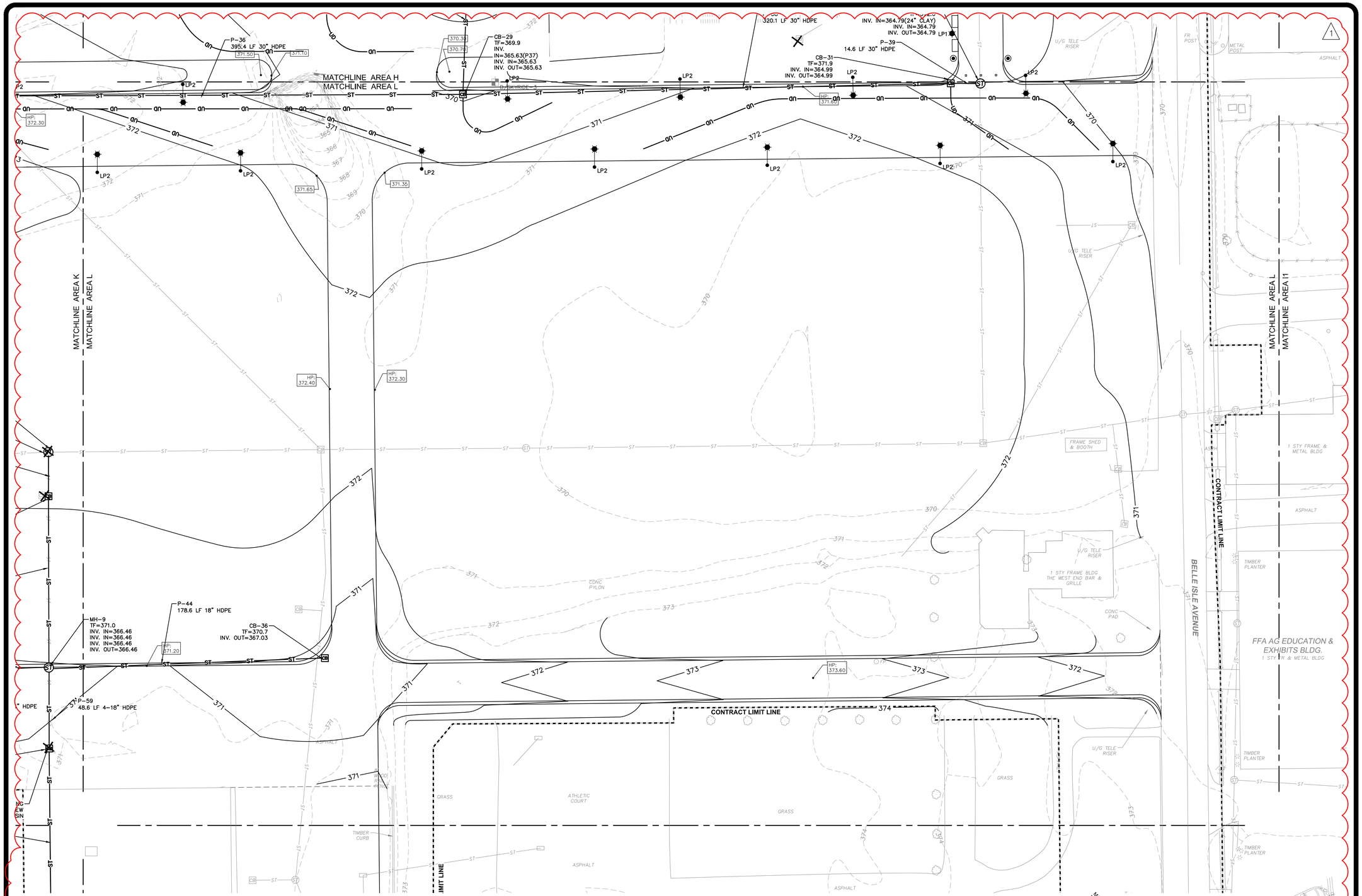
PROJECT NUMBER:	45331 — C
DESIGNED BY:	JMB
DRAWN BY:	TEW
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
GRADING AND DRAINAGE PLAN AREA K

DRAWING NUMBER:
C-130K

SHEET OF

Jan 13,2016 - 4:41pm
F:\mj\915\mj 915.xx new york state fair\915.18 45331 nysf midway and rv park\45331 C130D-C130I MIDWAY GRADING AND DRAIN.dwg
36x24 PLOT SHEET



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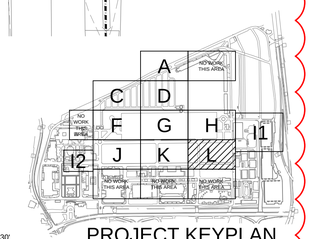
6. RAISE OF LOWER THE EXISTING FRAMES, COVERS, AND GRATINGS OF MANHOLES AND DRAINAGE STRUCTURES TO THE GRADES AS SHOWN ON THE CONTRACT DRAWINGS.

LEGEND:

235	CONTOUR LINE
ST	STORMWATER LINE
ST	STORMWATER MANHOLE
CB	CATCHBASIN
B/IT-9	BORING/INFILTRATION TEST
1 / C-502	DETAIL NUMBER / DETAIL REFERENCE / DRAWING PAGE NUMBER
	CONTRACT LIMIT LINE
370.13	SPOT ELEVATION

30' 15' 0 30'



PROJECT KEYPLAN
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DESIGN & CONSTRUCTION

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

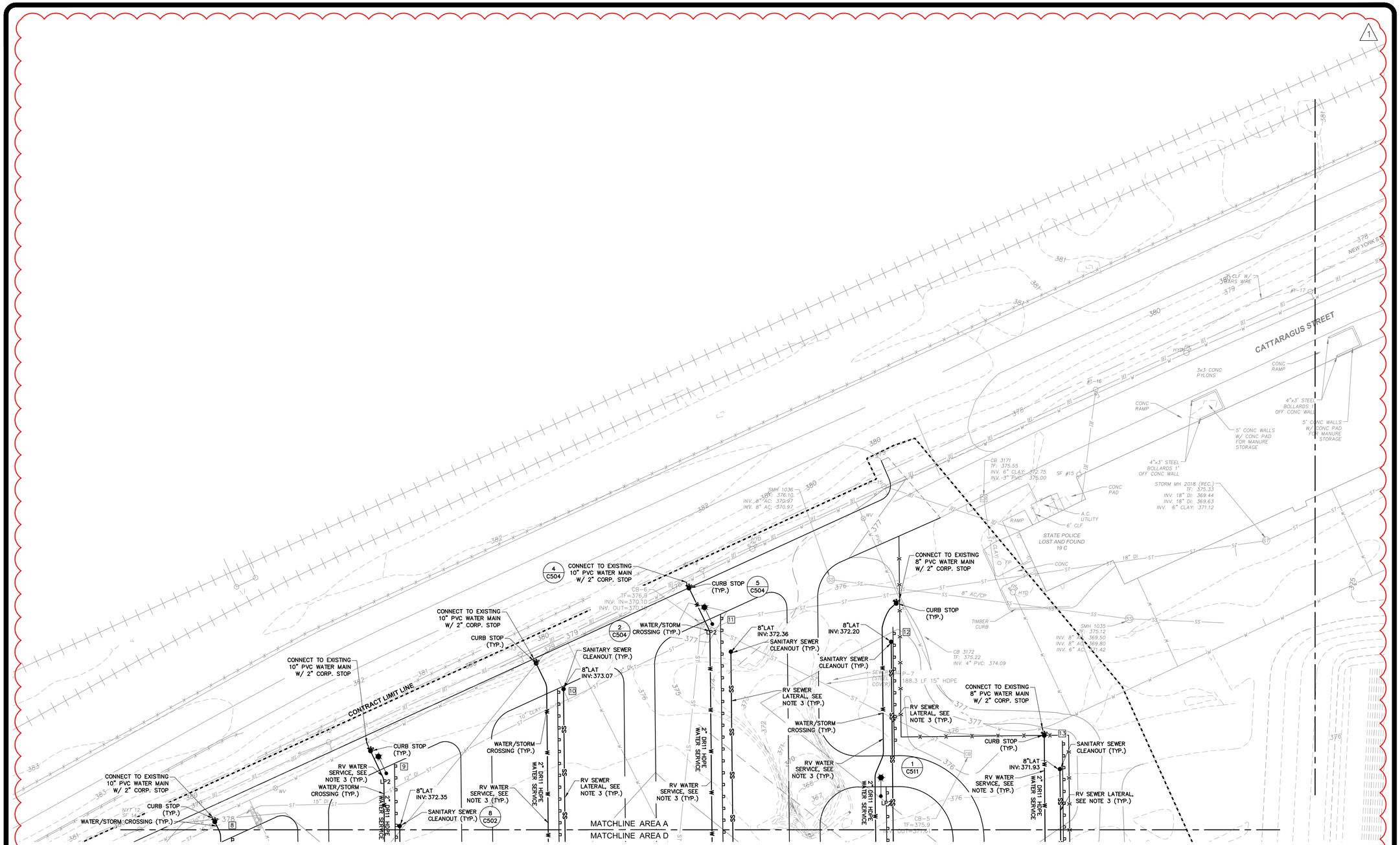
PROJECT NUMBER:	45331 – C
DESIGNED BY:	JMB
DRAWN BY:	TEW
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
GRADING AND DRAINAGE PLAN AREA L

DRAWING NUMBER:
C-130L

SHEET OF

Jan 13,2016 – 4:41pm
F:\mj\915\mj 915.xx new york state fair\915.18 45331 nysf midway and rv park\45331 C130D-C130L MIDWAY GRADING AND DRAIN.dwg
36x24 PLOT SHEET



LEGEND:

- W — WATER LINE
- ST — STORMWATER LINE
- SS — SANITARY SEWER LINE
- 1 / C-502 — DETAIL NUMBER / DETAIL REFERENCE
- DRAWING PAGE NUMBER
- CONTRACT LIMIT LINE
- SITE FENCE
- SANITARY MANHOLE
- STORMWATER MANHOLE
- CB — CATCHBASIN
- HYD — HYDRANT
- 6" GV — GATE VALVE
- CURB STOP
- VENDOR CONNECTION
- SANITARY CLEANOUT
- # — RV SITE UTILITY ROW DESIGNATION

GENERAL NOTES:

1. ALL UTILITIES SHOWN AS APPROXIMATE. FIELD VERIFY EXACT LOCATION AND ORIENTATION OF UTILITIES PRIOR TO CONSTRUCTION.
2. TAKE SPECIAL CARE AS TO NOT DAMAGE EXISTING UTILITIES DURING CONSTRUCTION.
3. COORDINATE RV SITE UTILITY ROW DESIGNATIONS WITH RV SEWER AND WATER SERVICE CONNECTIONS. SEE DETAIL 5 ON SHEET C-505 FOR DETAIL OF RV SEWER CONNECTIONS, AND DETAIL 6 ON SHEET C-505 FOR RV WATER SERVICE CONNECTIONS.
4. SEE DETAIL 1 ON SHEET C-503 FOR WATER UTILITY TRENCHING DETAIL, DETAIL 4 ON SHEET C-502 FOR SANITARY SEWER UTILITY TRENCHING DETAIL, AND DETAIL 3 ON SHEET C-511 FOR STORM SEWER UTILITY TRENCHING DETAIL.

UTILITY TRENCH REMOVALS AND RESTORATION NOTES:

1. FOR REQUIRED UTILITY REMOVALS OUTSIDE AREAS THAT DO NOT HAVE OTHER PROPOSED SURFACE IMPROVEMENTS, SUCH AS NEW PAVEMENT, CONCRETE OR LAWNS, THE CONTRACTOR AS PART OF THEIR BID SHALL ASSUME THE SURFACE DISTURBANCE SHALL BE NO MORE THAN 8 FEET WIDE CENTER ON THE UTILITY BEING REMOVED OR AT POINTS WHERE UTILITY ABANDONMENT MUST OCCUR. THIS IS APPLICABLE TO UTILITY REMOVALS / ABANDONMENT WITHIN BOTH EXISTING LAWN AND PAVEMENT (ASPHALT OR CONCRETE) AREAS.
2. FOR REQUIRED UTILITY INSTALLATIONS OUTSIDE AREAS THAT DO NOT HAVE OTHER PROPOSED SURFACE IMPROVEMENTS, SUCH AS NEW PAVEMENT, CONCRETE OR LAWNS, THE CONTRACTOR AS PART OF THEIR BID SHALL ASSUME THE SURFACE RESTORATION SHALL BE NO MORE THAN 8 FEET WIDE CENTER ON THE UTILITY BEING INSTALLED (OR-REINSTALLED). THIS IS APPLICABLE TO UTILITY REINSTALLED WITHIN BOTH EXISTING LAWN AND PAVEMENT (ASPHALT OR CONCRETE) AREAS.
3. FOR RESTORATION OF PAVEMENT, THE NEW PAVEMENT AND SUBBASE THICKNESS SHALL MATCH EXISTING BUT BE NO LESS THE STANDARD ASPHALT PAVEMENT / SUBBASE SECTION DETAIL PROVIDED WITHIN THIS PLAN SET. FOR RESTORATION OF LAWN AREAS, PROVIDE TOP SOIL, SEED AND MULCH AS OUTLINED WITHIN THE PROJECT SPECIFICATIONS INCLUDING SPECIFIED PRODUCT AND INSTALLATION DEPTHS.

STORM UTILITY NOTES:

1. NEW STORM SEWER PIPES AS PART OF THIS PROJECT OR STORM SEWER PIPES INSTALLED UNDER PROJECT 45309 AND ARE WITHIN THE CONTRACT LIMIT LINES IN SOME CASES HAVE LESS THAN 2 FEET OF COVER OVER THE TOP OF THE INSTALLED PIPES. THE CONTRACTOR SHALL INCLUDE AS PART OF THEIR BID, THE NECESSARY MATERIAL, LABOR AND EQUIPMENT TO PROVIDE APPROPRIATE PROTECTION OF THE EXISTING AND NEWLY INSTALLED STORM SEWER PIPES DURING SITE ACTIVITIES UNTIL THE PERMANENT SURFACE TREATMENTS (LAWN, PAVEMENT) ARE INSTALLED.
2. THE CONTRACTOR SHALL INSURE THAT THE MINIMUM VERTICAL COVER, AS RECOMMENDED BY THE MANUFACTURER IS PROVIDED ABOVE THE NOTED STORM SEWER PIPES DURING CONSTRUCTION THAT IS ASSOCIATED WITH LOADING EXPECTED FROM CONSTRUCTION VEHICLES.
3. ALL CONCRETE DRAINAGE MANHOLES, DRAINAGE CATCHBASINS, AND SANITARY MANHOLES SHOWN ON THE CONTRACT DRAWINGS FOR INSTALLATION UNDER THIS CONTRACT WILL BE PRE-PURCHANED AND DELIVERED TO THE PROJECT SITE FOR INSTALLATION BY THE CONTRACTOR.
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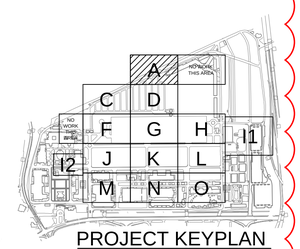
MAGNETIC

30' 15' 0 30'



PROJECT KEYPLAN
NOT TO SCALE

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

Engineering and Land Surveying, P.C.

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
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581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

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PROJECT NUMBER:	45331 – C
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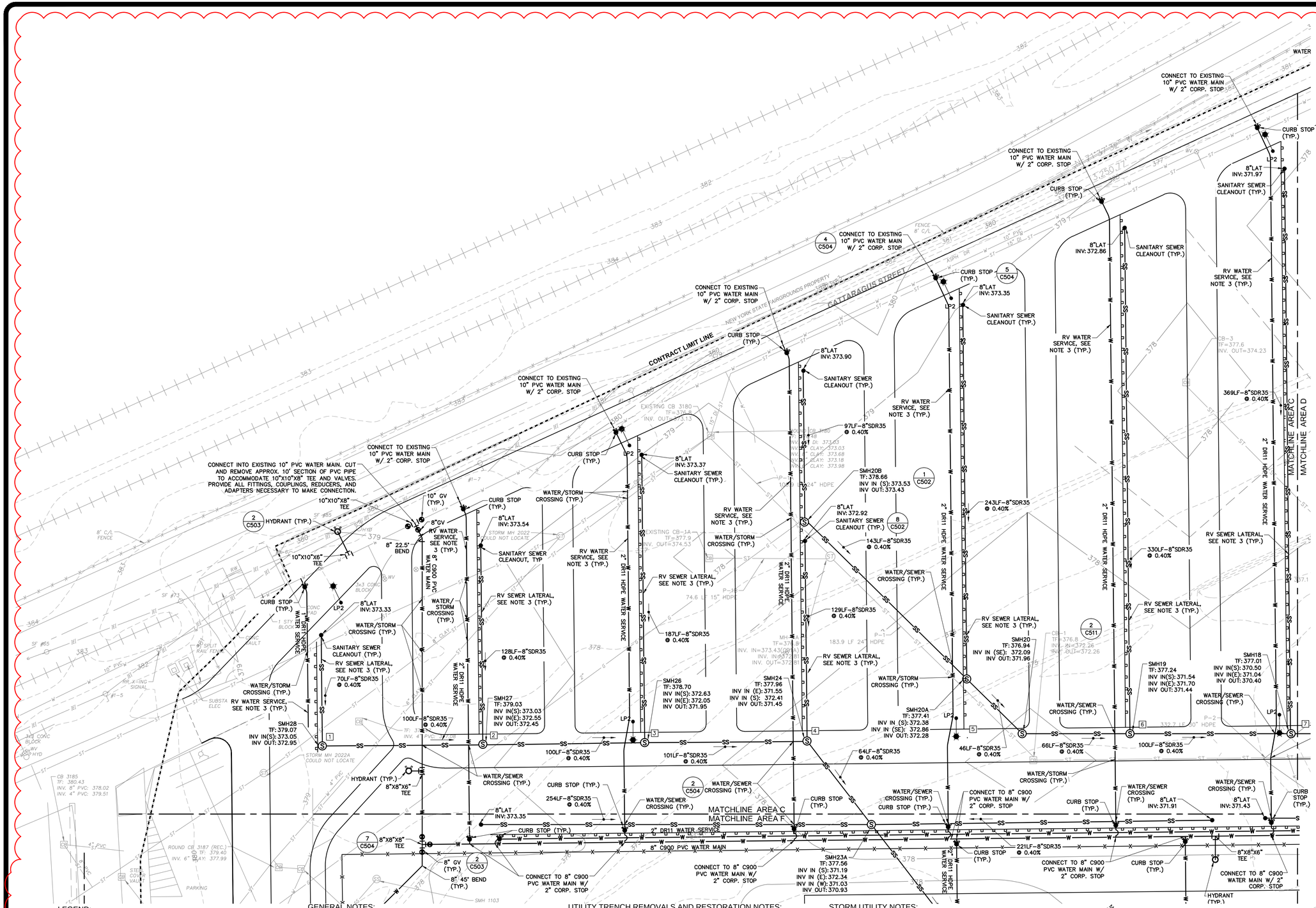
DRAWN BY:	----
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
UTILITY PLAN AREA A

DRAWING NUMBER:
C-150A

SHEET OF

Jan 11,2016 – 6:17pm
F:\mj915\MJ 915.XX New York State Fair\915.18 45331 NYSF Midway and RV Park\45331 C150A-C150C RV PARK UTIL LOUT.dwg
36x24 PLOT SHEET



LEGEND:

- WATER LINE
- STORMWATER LINE
- SANITARY SEWER LINE
- DETAIL NUMBER
- DETAIL REFERENCE
- DRAWING PAGE NUMBER
- CONTRACT LIMIT LINE
- SITE FENCE
- SANITARY MANHOLE
- STORMWATER MANHOLE
- CATCHBASIN
- HYDRANT
- GATE VALVE
- CURB STOP
- VENDOR CONNECTION
- SANITARY CLEANOUT
- RV SITE UTILITY ROW DESIGNATION

GENERAL NOTES:

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3. COORDINATE RV SITE UTILITY ROW DESIGNATIONS WITH RV SEWER AND WATER SERVICE CONNECTIONS. SEE DETAIL 5 ON SHEET C–505 FOR DETAIL OF RV SEWER CONNECTIONS, AND DETAIL 6 ON SHEET C–505 FOR RV WATER SERVICE CONNECTIONS.
4. SEE DETAIL 1 ON SHEET C–503 FOR WATER UTILITY TRENCHING DETAIL, DETAIL 4 ON SHEET C–502 FOR SANITARY SEWER UTILITY TRENCHING DETAIL, AND DETAIL 3 ON SHEET C–511 FOR STORM SEWER UTILITY TRENCHING DETAIL.

UTILITY TRENCH REMOVALS AND RESTORATION NOTES:

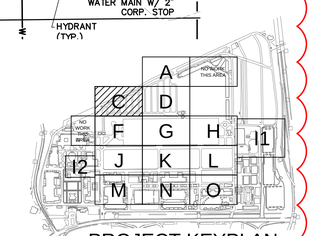
1. FOR REQUIRED UTILITY REMOVALS OUTSIDE AREAS THAT DO NOT HAVE OTHER PROPOSED SURFACE IMPROVEMENTS, SUCH AS NEW PAVEMENT, CONCRETE OR LAWNS, THE CONTRACTOR AS PART OF THEIR BID SHALL ASSUME THE SURFACE DISTURBANCE SHALL BE NO MORE THAN 8 FEET WIDE CENTER ON THE UTILITY BEING REMOVED OR AT POINTS WHERE UTILITY ABANDONMENT MUST OCCUR. THIS IS APPLICABLE TO UTILITY REMOVALS / ABANDONMENT WITHIN BOTH EXISTING LAWN AND PAVEMENT (ASPHALT OR CONCRETE) AREAS.
2. FOR REQUIRED UTILITY INSTALLATIONS OUTSIDE AREAS THAT DO NOT HAVE OTHER PROPOSED SURFACE IMPROVEMENTS, SUCH AS NEW PAVEMENT, CONCRETE OR LAWNS, THE CONTRACTOR AS PART OF THEIR BID SHALL ASSUME THE SURFACE RESTORATION SHALL BE NO MORE THAN 8 FEET WIDE CENTER ON THE UTILITY BEING INSTALLED (OR–REINSTALLED). THIS IS APPLICABLE TO UTILITY REINSTALLED WITHIN BOTH EXISTING LAWN AND PAVEMENT (ASPHALT OR CONCRETE) AREAS.
3. FOR RESTORATION OF PAVEMENT, THE NEW PAVEMENT AND SUBBASE THICKNESS SHALL MATCH EXISTING BUT BE NO LESS THE STANDARD ASPHALT PAVEMENT / SUBBASE SECTION DETAIL PROVIDED WITHIN THIS PLAN SET. FOR RESTORATION OF LAWN AREAS, PROVIDE TOP SOIL, SEED AND MULCH AS OUTLINED WITHIN THE PROJECT SPECIFICATIONS INCLUDING SPECIFIED PRODUCT AND INSTALLATION DEPTHS.

STORM UTILITY NOTES:

1. NEW STORM SEWER PIPES AS PART OF THIS PROJECT OR STORM SEWER PIPES INSTALLED UNDER PROJECT 45309 AND ARE WITHIN THE CONTRACT LIMIT LINES IN SOME CASES HAVE LESS THAN 2 FEET OF COVER OVER THE TOP OF THE INSTALLED PIPES. THE CONTRACTOR SHALL INCLUDE AS PART OF THEIR BID, THE NECESSARY MATERIAL, LABOR AND EQUIPMENT TO PROVIDE APPROPRIATE PROTECTION OF THE EXISTING AND NEWLY INSTALLED STORM SEWER PIPES DURING SITE ACTIVITIES UNTIL THE PERMANENT SURFACE TREATMENTS (LAWN, PAVEMENT) ARE INSTALLED.
2. THE CONTRACTOR SHALL INSURE THAT THE MINIMUM VERTICAL COVER, AS RECOMMENDED BY THE MANUFACTURER IS PROVIDED ABOVE THE NOTED STORM SEWER PIPES DURING CONSTRUCTION THAT IS ASSOCIATED WITH LOADING EXPECTED FROM CONSTRUCTION VEHICLES.
3. ALL CONCRETE DRAINAGE MANHOLES, DRAINAGE CATCHBASINS, AND SANITARY MANHOLES SHOWN ON THE CONTRACT DRAWINGS FOR INSTALLATION UNDER THIS CONTRACT WILL BE PRE–PURCHANED AND DELIVERED TO THE PROJECT SITE FOR INSTALLATION BY THE CONTRACTOR.
4. THE FOLLOWING DRAINAGE STRUCTURES AND CONNECTING STORM DRAIN LINES WILL BE INSTALLED UNDER CONTRACT 45309 AND ARE SHOWN FOR COORDINATION PURPOSES ONLY: MH1, MH1A, CB1–7, CB1A, CB7A

MAGNETIC

30' 15' 0 30'



PROJECT KEYPLAN
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NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT
Engineering and Land Surveying, P.C.

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

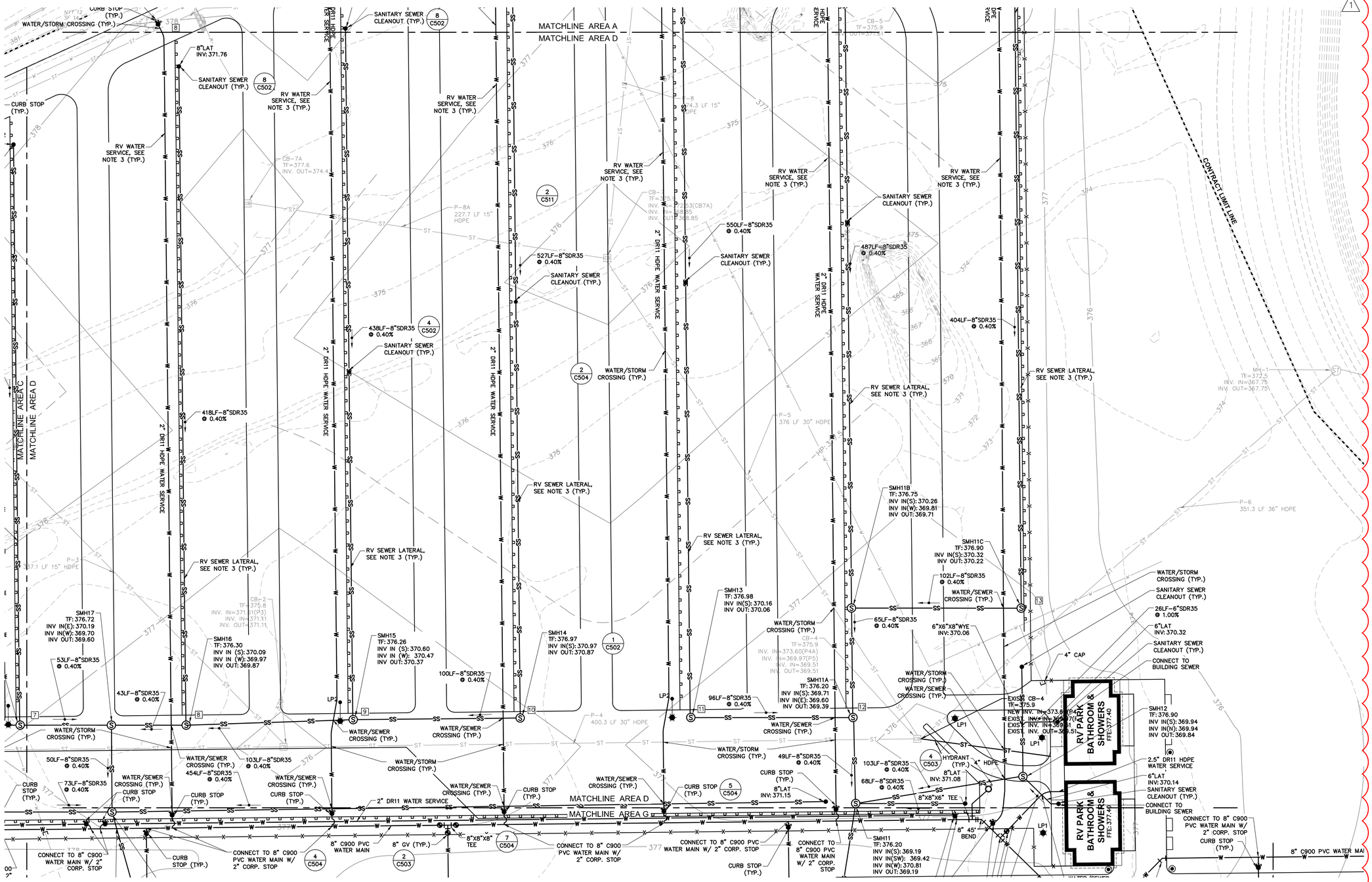
PROJECT NUMBER:	45331 – C
DESIGNED BY:	SDH
DRAWN BY:	TEW
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
UTILITY PLAN
AREA C

DRAWING NUMBER:
C–150C

SHEET OF

Jan 11,2016 – 6:17pm
F:\mj\915\MJ 915.XX New York State Fair\915.18 45331 NYSF Midway and RV Park\45331 C150A–C150C RV PARK UTIL LOUT.dwg
36x24 PLOT SHEET



LEGEND:

- WATER LINE
- STORMWATER LINE
- SANITARY SEWER LINE
- DETAIL NUMBER
- DETAIL REFERENCE
- DRAWING PAGE NUMBER
- CONTRACT LIMIT LINE
- SITE FENCE
- SANITARY MANHOLE
- STORMWATER MANHOLE
- CATCHBASIN
- HYDRANT
- 6" GV
- CURB STOP
- VENDOR CONNECTION
- SANITARY CLEANOUT
- RV SITE UTILITY ROW DESIGNATION

GENERAL NOTES:

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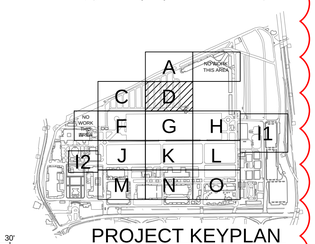

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DESIGN & CONSTRUCTION

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
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581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
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	12/04/15	FINAL SUBMISSION

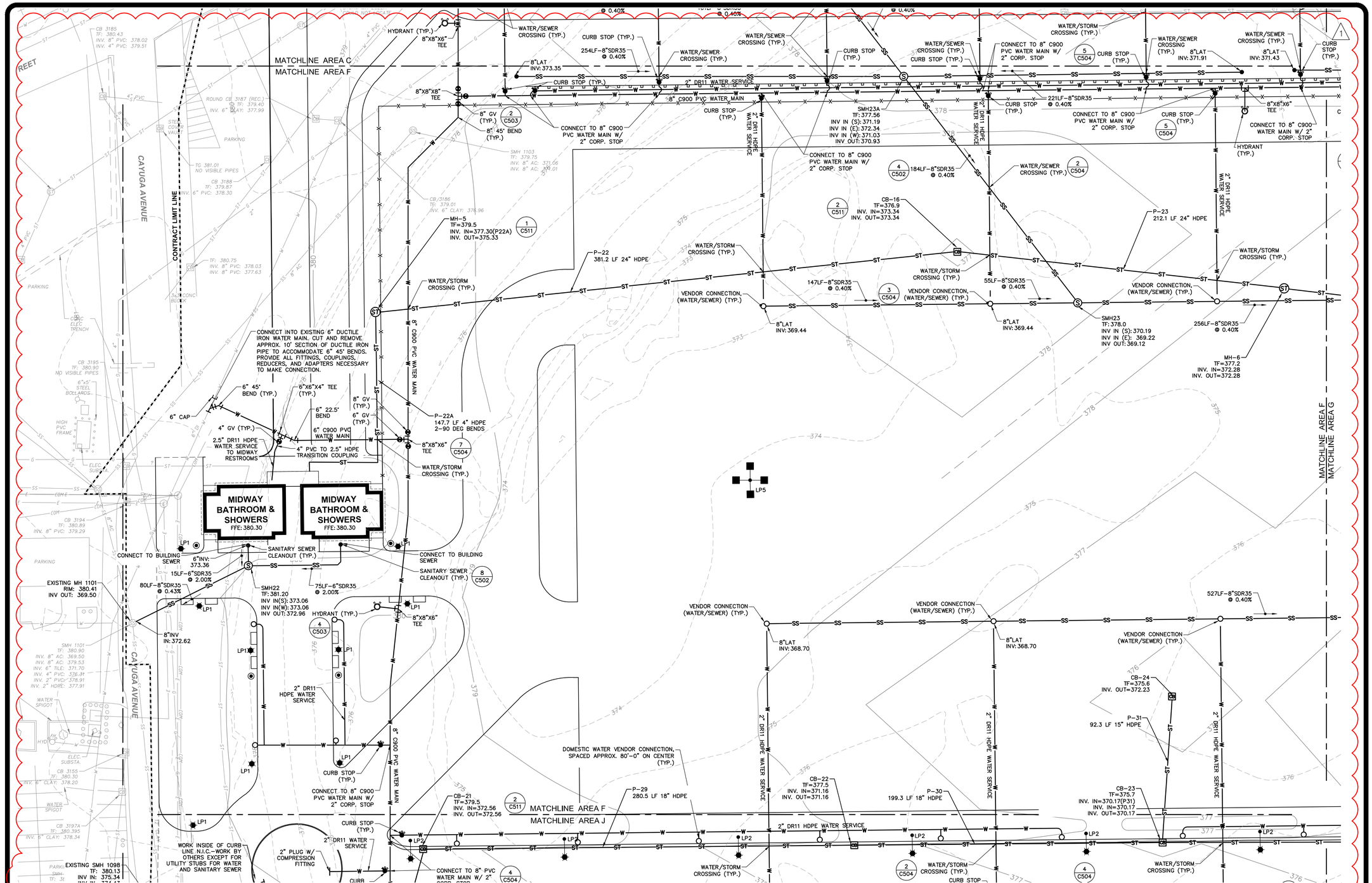
PROJECT NUMBER:	45331 – C
DESIGNED BY:	SDH
DRAWN BY:	TEW
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
UTILITY PLAN
AREA D

DRAWING NUMBER:
C-150D

SHEET OF

Jan 11,2016 – 6:17pm
F:\mj915\MJ 915.XX New York State Fair\915.18 45331 NYSF Midway and RV Park\45331 C150A-C150C RV PARK UTIL LOUT.dwg
36x24 PLOT SHEET



LEGEND:

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- DETAIL NUMBER
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- DRAWING PAGE NUMBER
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- GATE VALVE
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- SANITARY CLEANOUT
- RV SITE UTILITY ROW DESIGNATION

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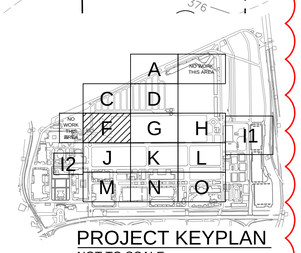

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

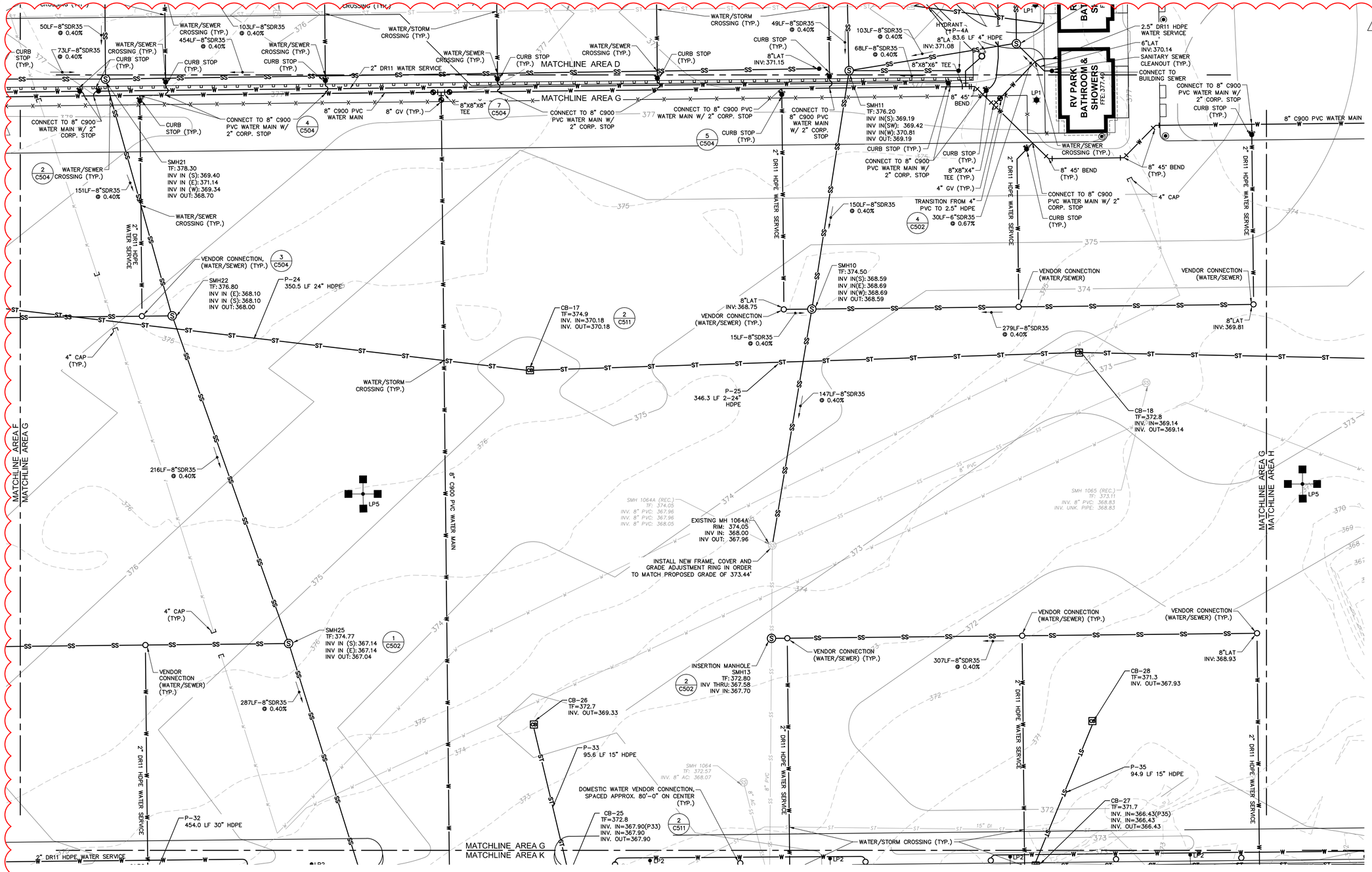
PROJECT NUMBER:	45331 – C
DESIGNED BY:	SDH
DRAWN BY:	TEW
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
UTILITY PLAN
AREA F

DRAWING NUMBER:
C–150F

SHEET OF

Jan 13,2016 – 2:07pm
F:\mj\915\mj 915.xx new york state fair\915.18 45331 nysf midway and rv park\45331 C150D-C150I MIDWAY UTIL LOUT.dwg
36x24 PLOT SHEET



LEGEND:

- WATER LINE
- STORMWATER LINE
- SANITARY SEWER LINE
- DETAIL NUMBER / DETAIL REFERENCE / DRAWING PAGE NUMBER
- CONTRACT LIMIT LINE
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- RV SITE UTILITY ROW DESIGNATION

GENERAL NOTES:

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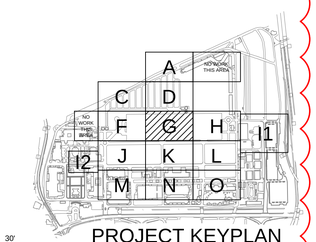

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AREA G

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SHEET OF

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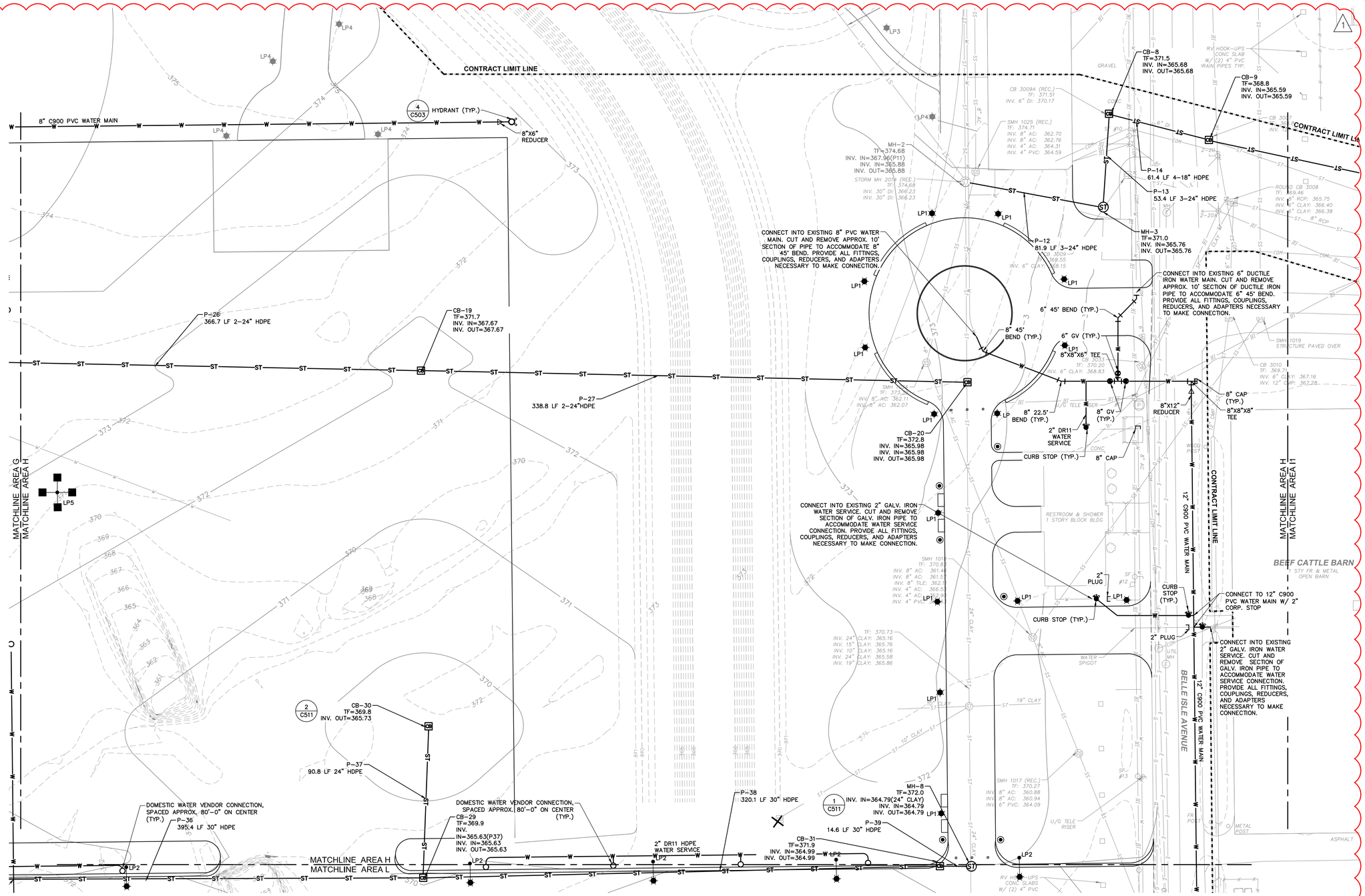

LEGEND:

- W — WATER LINE
- ST — STORMWATER LINE
- SS — SANITARY SEWER LINE
- 1 / C-502 — DETAIL NUMBER / DETAIL REFERENCE
- DRAWING PAGE NUMBER
- CONTRACT LIMIT LINE
- SITE FENCE
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- STORMWATER MANHOLE
- CB — CATCHBASIN
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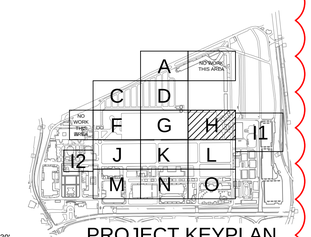
3. FOR RESTORATION OF PAVEMENT, THE NEW PAVEMENT AND SUBBASE THICKNESS SHALL MATCH EXISTING BUT BE NO LESS THE STANDARD ASPHALT PAVEMENT / SUBBASE SECTION DETAIL PROVIDED WITHIN THIS PLAN SET. FOR RESTORATION OF LAWN AREAS, PROVIDE TOP SOIL, SEED AND MULCH AS OUTLINED WITHIN THE PROJECT SPECIFICATIONS INCLUDING SPECIFIED PRODUCT AND INSTALLATION DEPTHS.

STORM UTILITY NOTES:

1. NEW STORM SEWER PIPES AS PART OF THIS PROJECT OR STORM SEWER PIPES INSTALLED UNDER PROJECT 45309 AND ARE WITHIN THE CONTRACT LIMIT LINES IN SOME CASES HAVE LESS THAN 2 FEET OF COVER OVER THE TOP OF THE INSTALLED PIPES. THE CONTRACTOR SHALL INCLUDE AS PART OF THEIR BID, THE NECESSARY MATERIAL, LABOR AND EQUIPMENT TO PROVIDE APPROPRIATE PROTECTION OF THE EXISTING AND NEWLY INSTALLED STORM SEWER PIPES DURING SITE ACTIVITIES UNTIL THE PERMANENT SURFACE TREATMENTS (LAWN, PAVEMENT) ARE INSTALLED.
2. THE CONTRACTOR SHALL INSURE THAT THE MINIMUM VERTICAL COVER, AS RECOMMENDED BY THE MANUFACTURER IS PROVIDED ABOVE THE NOTED STORM SEWER PIPES DURING CONSTRUCTION THAT IS ASSOCIATED WITH LOADING EXPECTED FROM CONSTRUCTION VEHICLES.
3. ALL CONCRETE DRAINAGE MANHOLES, DRAINAGE CATCHBASINS, AND SANITARY MANHOLES SHOWN ON THE CONTRACT DRAWINGS FOR INSTALLATION UNDER THIS CONTRACT WILL BE PRE-PURCHANED AND DELIVERED TO THE PROJECT SITE FOR INSTALLATION BY THE CONTRACTOR.
4. THE FOLLOWING DRAINAGE STRUCTURES AND CONNECTING STORM DRAIN LINES WILL BE INSTALLED UNDER CONTRACT 45309 AND ARE SHOWN FOR COORDINATION PURPOSES ONLY: MH1, MH1A, CB1-7, CB1A, CB7A

MAGNETIC

30' 15' 0 30'



PROJECT KEYPLAN
NOT TO SCALE

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT
Engineering and Land Surveying, P.C.

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

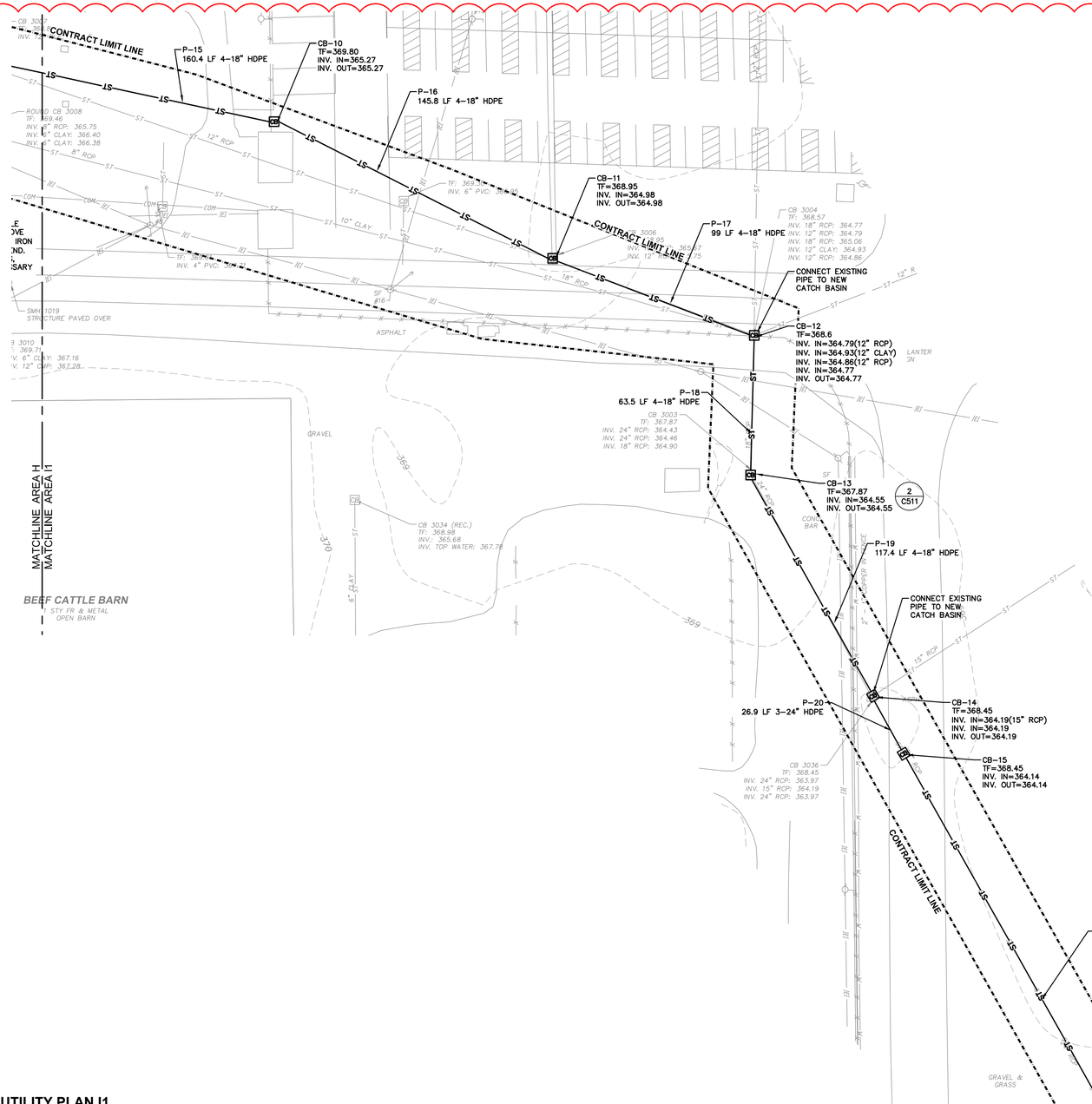
PROJECT NUMBER:	45331 – C
DESIGNED BY:	SDH
DRAWN BY:	TEW
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
UTILITY PLAN AREA H

DRAWING NUMBER:
C-150H

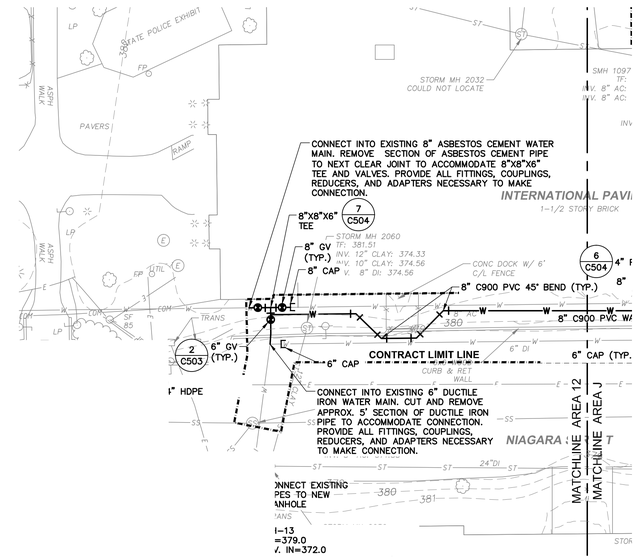
SHEET OF

Jan 13,2016 – 2:08pm
F:\mj\915\mj 915.xx new york state fair\915.18 45331 nyst midway and rv park\45331 C150D-C150 MIDWAY UTIL LOUT.dwg
36x24 PLOT SHEET



1 UTILITY PLAN I1

SCALE: 1" = 30'



2 UTILITY PLAN I2

SCALE: 1" = 30'

GENERAL NOTES:

1. ALL UTILITIES SHOWN AS APPROXIMATE. FIELD VERIFY EXACT LOCATION AND ORIENTATION OF UTILITIES PRIOR TO CONSTRUCTION.
2. TAKE SPECIAL CARE AS TO NOT DAMAGE EXISTING UTILITIES DURING CONSTRUCTION.
3. COORDINATE RV SITE UTILITY ROW DESIGNATIONS WITH RV SEWER AND WATER SERVICE CONNECTIONS. SEE DETAIL 5 ON SHEET C-505 FOR DETAIL OF RV SEWER CONNECTIONS, AND DETAIL 6 ON SHEET C-505 FOR RV WATER SERVICE CONNECTIONS.
4. SEE DETAIL 1 ON SHEET C-503 FOR WATER UTILITY TRENCHING DETAIL, DETAIL 4 ON SHEET C-502 FOR SANITARY SEWER UTILITY TRENCHING DETAIL, AND DETAIL 3 ON SHEET C-511 FOR STORM SEWER UTILITY TRENCHING DETAIL.

UTILITY TRENCH REMOVALS AND RESTORATION NOTES:

1. FOR REQUIRED UTILITY REMOVALS OUTSIDE AREAS THAT DO NOT HAVE OTHER PROPOSED SURFACE IMPROVEMENTS, SUCH AS NEW PAVEMENT, CONCRETE OR LAWNS, THE CONTRACTOR AS PART OF THEIR BID SHALL ASSUME THE SURFACE DISTURBANCE SHALL BE NO MORE THAN 8 FEET WIDE CENTER ON THE UTILITY BEING REMOVED OR AT POINTS WHERE UTILITY ABANDONMENT MUST OCCUR. THIS IS APPLICABLE TO UTILITY REMOVALS / ABANDONMENT WITHIN BOTH EXISTING LAWN AND PAVEMENT (ASPHALT OR CONCRETE) AREAS.
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3. FOR RESTORATION OF PAVEMENT, THE NEW PAVEMENT AND SUBBASE THICKNESS SHALL MATCH EXISTING BUT BE NO LESS THE STANDARD ASPHALT PAVEMENT / SUBBASE SECTION DETAIL PROVIDED WITHIN THIS PLAN SET. FOR RESTORATION OF LAWN AREAS, PROVIDE TOP SOIL, SEED AND MULCH AS OUTLINED WITHIN THE PROJECT SPECIFICATIONS INCLUDING SPECIFIED PRODUCT AND INSTALLATION DEPTHS.

STORM UTILITY NOTES:

1. NEW STORM SEWER PIPES AS PART OF THIS PROJECT OR STORM SEWER PIPES INSTALLED UNDER PROJECT 45309 AND ARE WITHIN THE CONTRACT LIMIT LINES IN SOME CASES HAVE LESS THAN 2 FEET OF COVER OVER THE TOP OF THE INSTALLED PIPES. THE CONTRACTOR SHALL INCLUDE AS PART OF THEIR BID, THE NECESSARY MATERIAL, LABOR AND EQUIPMENT TO PROVIDE APPROPRIATE PROTECTION OF THE EXISTING AND NEWLY INSTALLED STORM SEWER PIPES DURING SITE ACTIVITIES UNTIL THE PERMANENT SURFACE TREATMENTS (LAWN, PAVEMENT) ARE INSTALLED.
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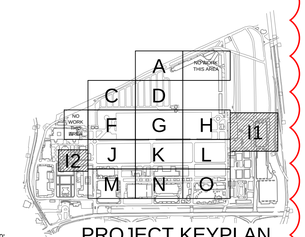
LEGEND:

W	WATER LINE
ST	STORMWATER LINE
SS	SANITARY SEWER LINE
1 / C-502	DETAIL NUMBER / DETAIL REFERENCE / DRAWING PAGE NUMBER
	CONTRACT LIMIT LINE
	SITE FENCE
S	SANITARY MANHOLE
ST	STORMWATER MANHOLE
CB	CATCHBASIN
HYD	HYDRANT
6" GV	GATE VALVE
	CURB STOP
	VENDOR CONNECTION
	SANITARY CLEANOUT
#	RV SITE UTILITY ROW DESIGNATION



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NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT
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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

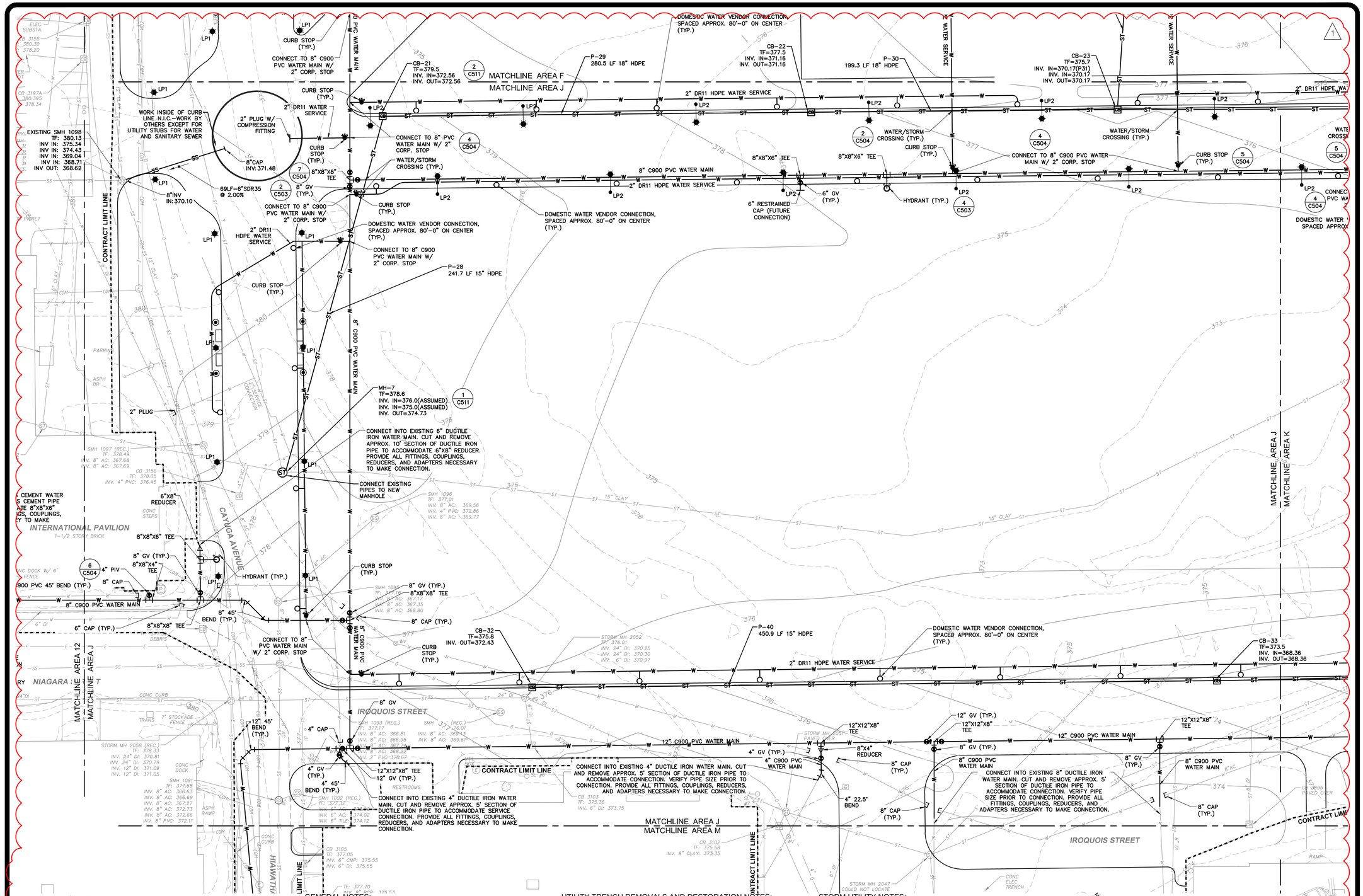
PROJECT NUMBER:	45331 – C
DESIGNED BY:	SDH
DRAWN BY:	TEW
FIELD CHECK:	----
APPROVED:	

SHEET TITLE:
UTILITY PLAN
AREA I

DRAWING NUMBER:
C-150I

SHEET OF

Jan 11,2016 - 6:19pm
F:\mj\915\MJ 915.XX New York State Fair\915.18 45331 NYSF Midway and RV Park\45331 C1500-C1501 MIDWAY UTIL LOUT.dwg
36x24 PLOT SHEET



LEGEND:

- WATER LINE
- STORMWATER LINE
- SANITARY SEWER LINE
- DETAIL NUMBER
- DETAIL REFERENCE
- DRAWING PAGE NUMBER
- CONTRACT LIMIT LINE
- SITE FENCE
- SANITARY MANHOLE
- STORMWATER MANHOLE
- CATCHBASIN
- HYDRANT
- GATE VALVE
- CURB STOP
- VENDOR CONNECTION
- SANITARY CLEANOUT
- RV SITE UTILITY ROW DESIGNATION

GENERAL NOTES:

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STORM UTILITY NOTES:

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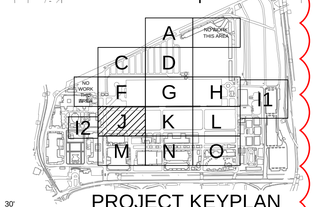
30' 15' 0 30'



PROJECT KEYPLAN
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DESIGN & CONSTRUCTION

CONSULTANT
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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

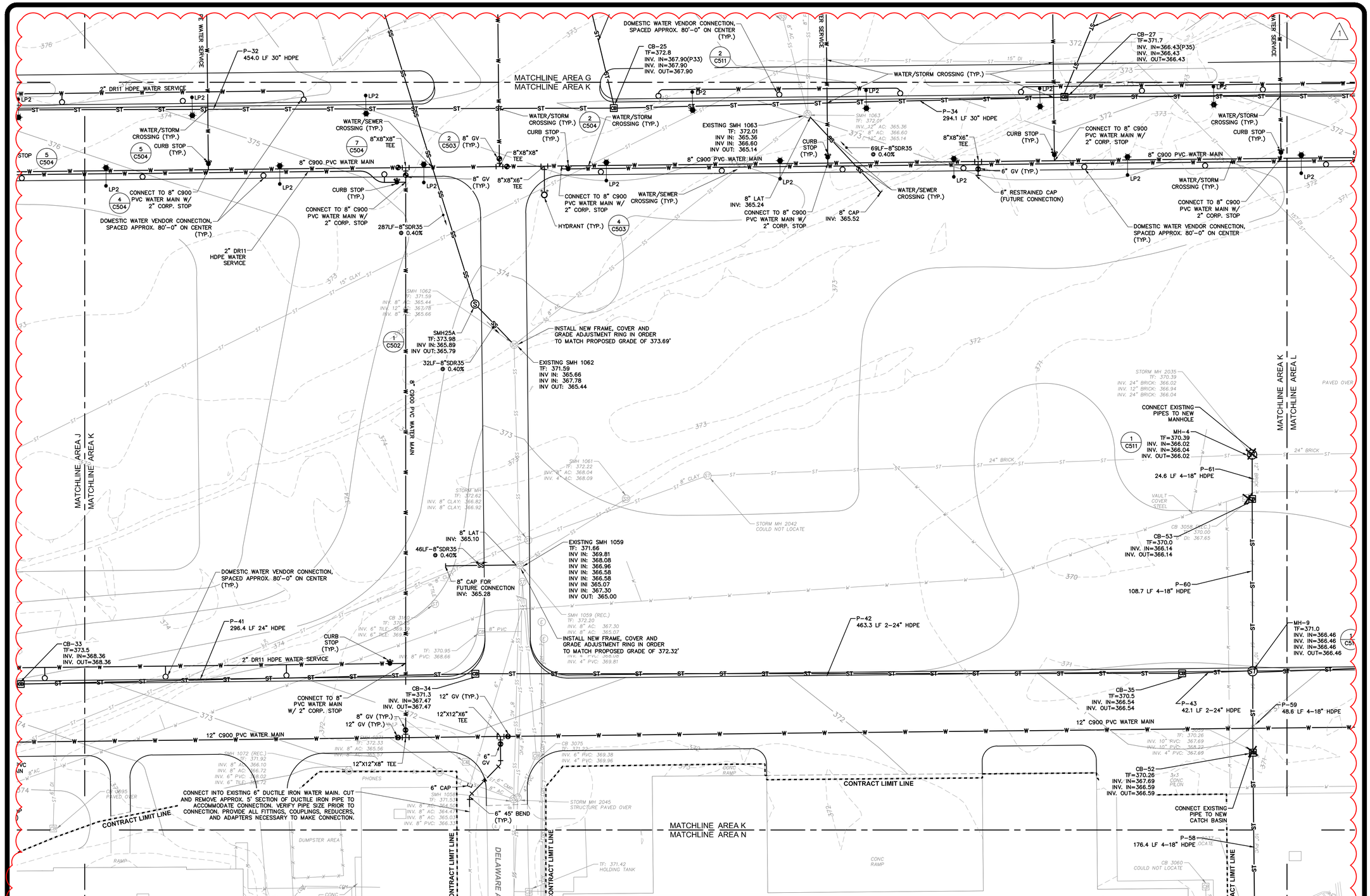
PROJECT NUMBER:	45331 – C
DESIGNED BY:	SDH
DRAWN BY:	TEW
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
UTILITY PLAN
AREA J

DRAWING NUMBER:
C-150J

SHEET OF

Jan 11,2016 – 6:19pm
F:\m915\MJ 915_XX New York State Fair\915.18 45331 NYSF Midway and RV Park\45331 C150D-C150I MIDWAY UTIL LOUT.dwg
36x24 PLOT SHEET



LEGEND:

- WATER LINE
- STORMWATER LINE
- SANITARY SEWER LINE
- DETAIL NUMBER
- DETAIL REFERENCE
- DRAWING PAGE NUMBER
- CONTRACT LIMIT LINE
- SITE FENCE
- SANITARY MANHOLE
- STORMWATER MANHOLE
- CATCHBASIN
- HYDRANT
- GATE VALVE
- CURB STOP
- VENDOR CONNECTION
- SANITARY CLEANOUT
- RV SITE UTILITY ROW DESIGNATION

GENERAL NOTES:

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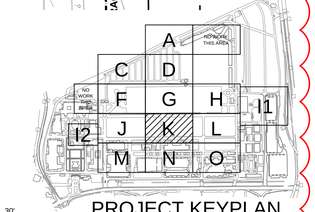

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SHEET TITLE:
UTILITY PLAN
AREA K

DRAWING NUMBER:
C-150K

SHEET OF

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F:\m\915\MJ 915.XX New York State Fair\915.18 45331 NYSF Midway and RV Park\45331 C1500-C1501 MIDWAY UTIL LOUT.dwg

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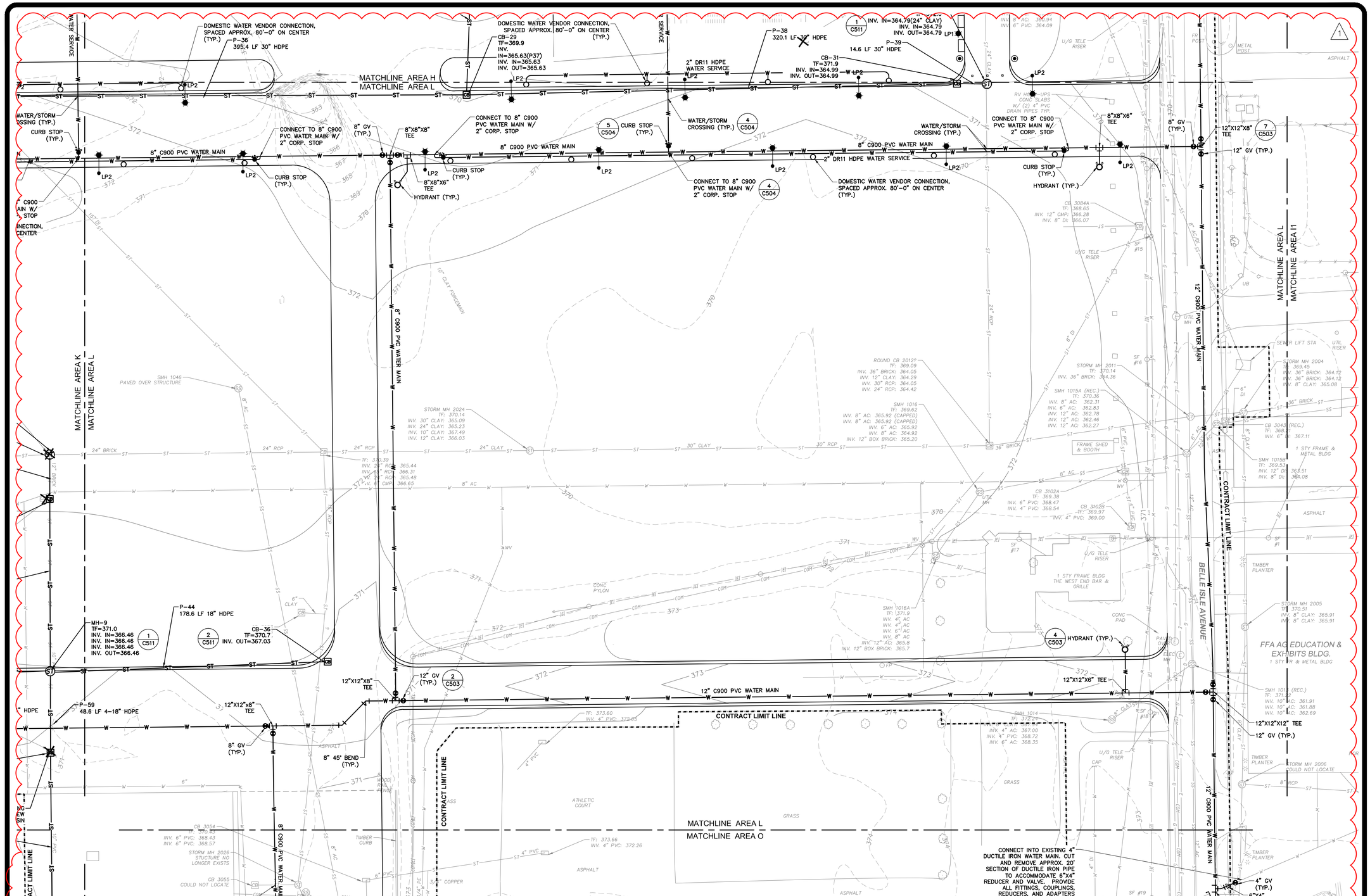

LEGEND:

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- SANITARY SEWER LINE
- DETAIL NUMBER / DETAIL REFERENCE
- DRAWING PAGE NUMBER
- CONTRACT LIMIT LINE
- SITE FENCE
- SANITARY MANHOLE
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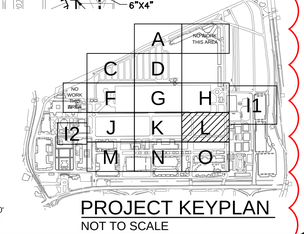
STORM UTILITY NOTES:

1. NEW STORM SEWER PIPES AS PART OF THIS PROJECT OR STORM SEWER PIPES INSTALLED UNDER PROJECT 45309 AND ARE WITHIN THE CONTRACT LIMIT LINES IN SOME CASES HAVE LESS THAN 2 FEET OF COVER OVER THE TOP OF THE INSTALLED PIPES. THE CONTRACTOR SHALL INCLUDE AS PART OF THEIR BID, THE NECESSARY MATERIAL, LABOR AND EQUIPMENT TO PROVIDE APPROPRIATE PROTECTION OF THE EXISTING AND NEWLY INSTALLED STORM SEWER PIPES DURING SITE ACTIVITIES UNTIL THE PERMANENT SURFACE TREATMENTS (LAWN, PAVEMENT) ARE INSTALLED.
2. THE CONTRACTOR SHALL INSURE THAT THE MINIMUM VERTICAL COVER, AS RECOMMENDED BY THE MANUFACTURER IS PROVIDED ABOVE THE NOTED STORM SEWER PIPES DURING CONSTRUCTION THAT IS ASSOCIATED WITH LOADING EXPECTED FROM CONSTRUCTION VEHICLES.
3. ALL CONCRETE DRAINAGE MANHOLES, DRAINAGE CATCHBASINS, AND SANITARY MANHOLES SHOWN ON THE CONTRACT DRAWINGS FOR INSTALLATION UNDER THIS CONTRACT WILL BE PRE-PURCHANED AND DELIVERED TO THE PROJECT SITE FOR INSTALLATION BY THE CONTRACTOR.
4. THE FOLLOWING DRAINAGE STRUCTURES AND CONNECTING STORM DRAIN LINES WILL BE INSTALLED UNDER CONTRACT 45309 AND ARE SHOWN FOR COORDINATION PURPOSES ONLY: MH1, MH1A, CB1-7, CB1A, CB2A

30' 15' 0 30'



PROJECT KEYPLAN
NOT TO SCALE

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT
Engineering and Land Surveying, P.C.

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

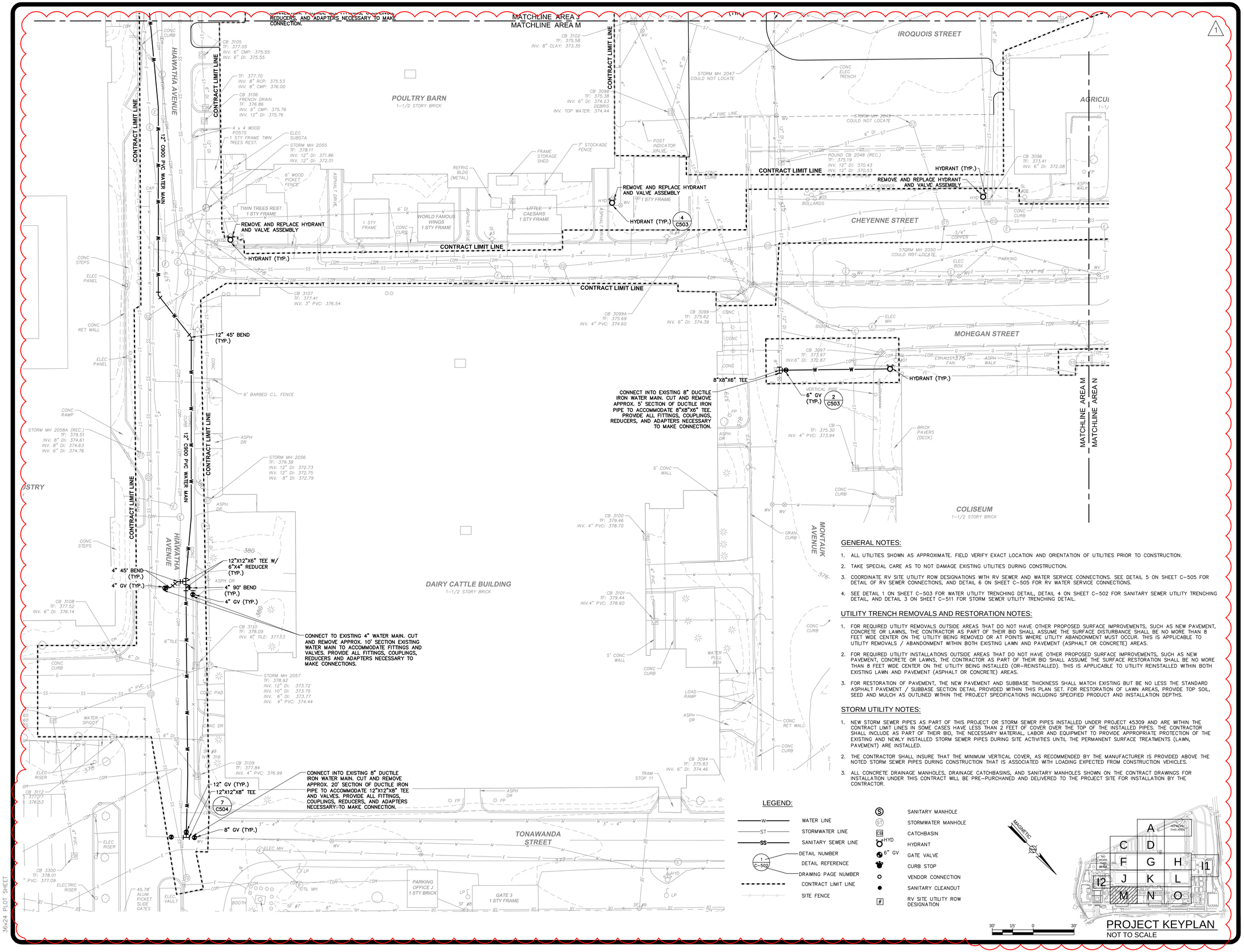
PROJECT NUMBER:	45331 – C
DESIGNED BY:	SDH
DRAWN BY:	TEW
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
UTILITY PLAN
AREA L

DRAWING NUMBER:
C-150L

SHEET OF

Jan 11,2016 – 6:19pm
F:\nj915\MJ 915.XX New York State Fair\915.18 45331 NYSF Midway and RV Park\45331 C150D-C150L MIDWAY UTIL LOUT.dwg
36x24 PLOT SHEET



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UTILITY TRENCH REMOVALS AND RESTORATION NOTES:

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LEGEND:

- W — WATER LINE
- ST — STORMWATER LINE
- SS — SANITARY SEWER LINE
- 1 / C-502 — DETAIL NUMBER / DETAIL REFERENCE / DRAWING PAGE NUMBER
- CONTRACT LIMIT LINE
- SITE FENCE
- SANITARY MANHOLE
- STORMWATER MANHOLE
- CB — CATCHBASIN
- HYD — HYDRANT
- 6" GV — GATE VALVE
- CURB STOP
- VENDOR CONNECTION
- SANITARY CLEANOUT
- # — RV SITE UTILITY ROW DESIGNATION

30' 15' 0 30'

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NEW YORK STATE OF OPPORTUNITY. Office of General Services
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	12/04/15	FINAL SUBMISSION

PROJECT NUMBER:	45331 – C
DESIGNED BY:	SDH
DRAWN BY:	TEW
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
UTILITY PLAN
AREA M

DRAWING NUMBER:
C-150M

SHEET OF

Jan 11,2016 – 6:20pm
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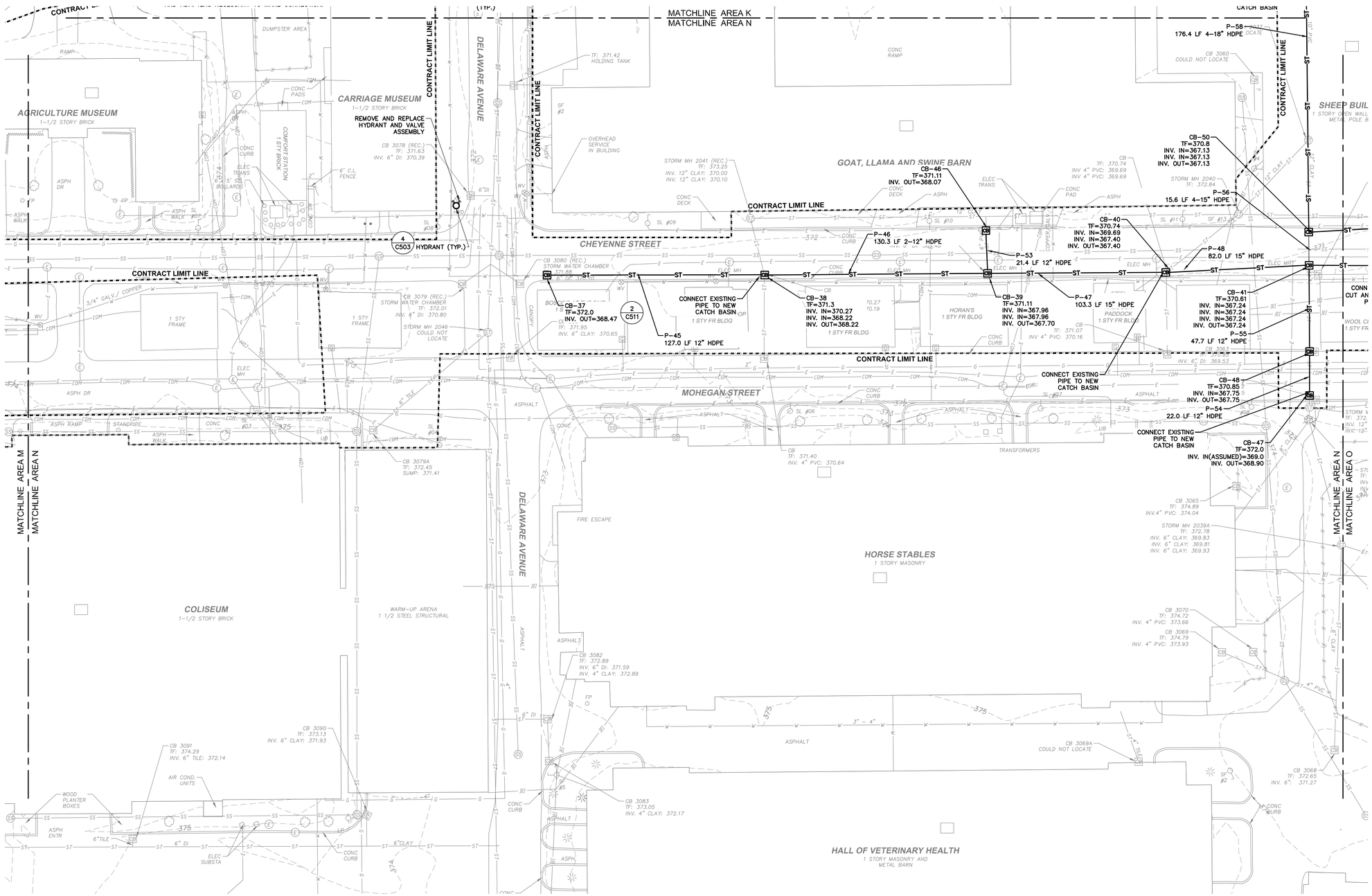
36x24 PLOT SHEET



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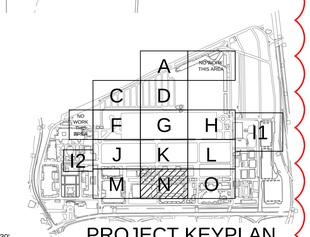

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LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

PROJECT NUMBER:	45331 – C
DESIGNED BY:	SDH
DRAWN BY:	TEW
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
UTILITY PLAN
AREA N

DRAWING NUMBER:
C-150N

SHEET OF

36x24 PLOT SHEET
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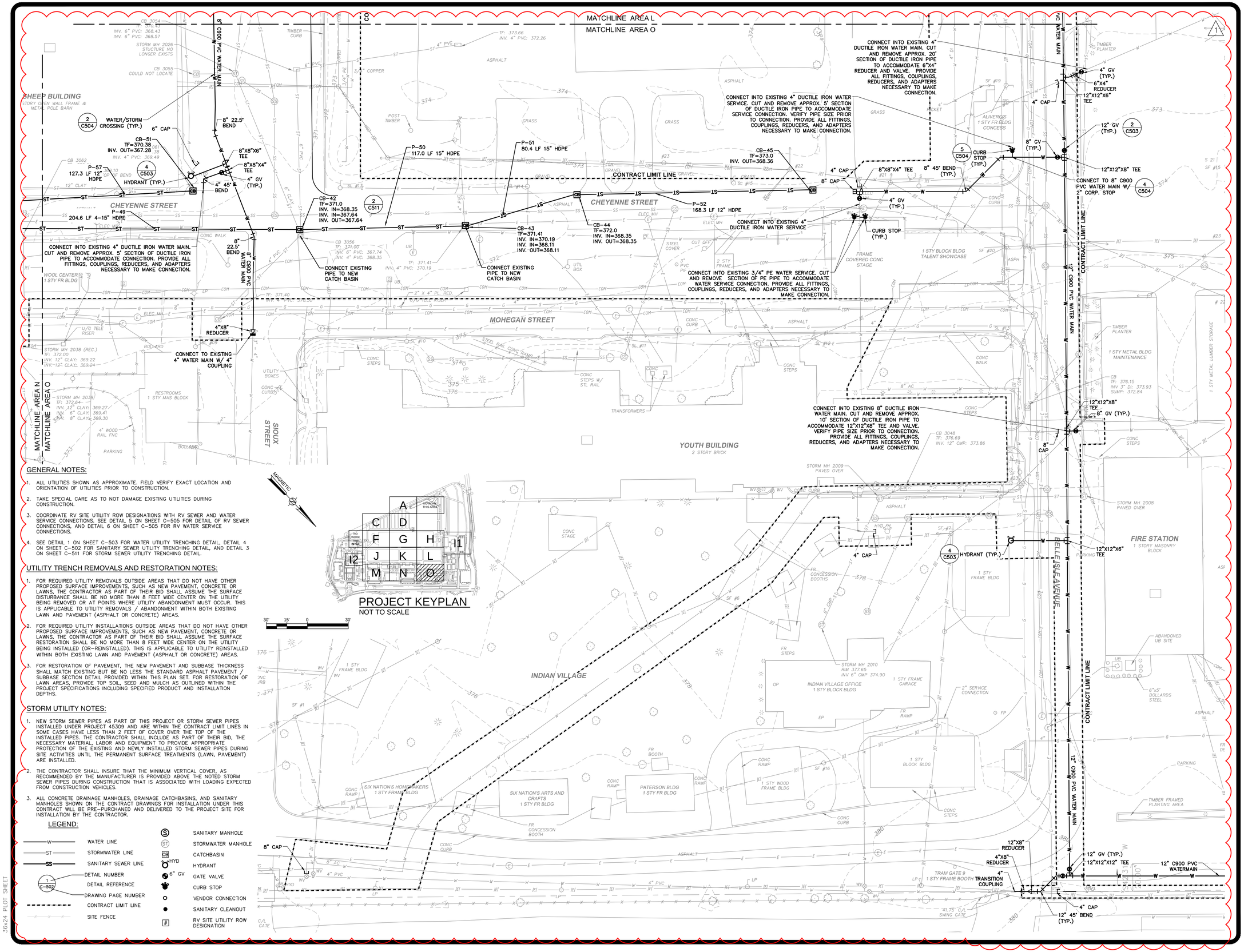

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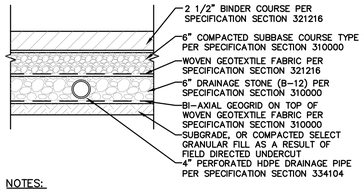
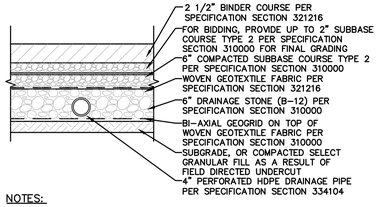


NOTES:

1. TACK COAT ALL HORIZONTAL AND VERTICAL SURFACES.

1A STANDARD DUTY PAVEMENT/SUBBASE SECTION

SCALE: N.T.S.



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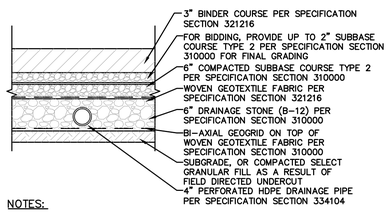
1B STANDARD DUTY PAVEMENT SECTION

SCALE: N.T.S.



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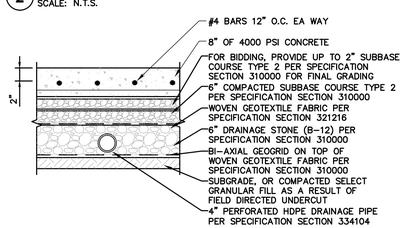
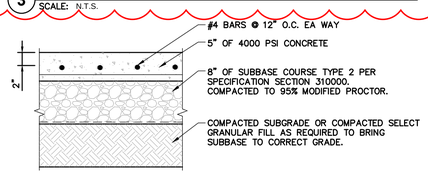
2 HEAVY DUTY PAVEMENT SECTION

SCALE: N.T.S.



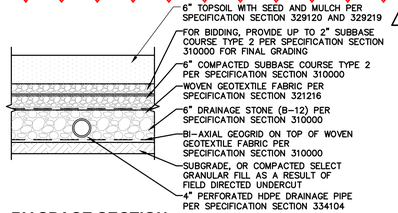
3 CONCRETE DRIVE SECTION

SCALE: N.T.S.



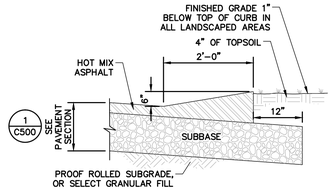
4 CONCRETE WALK SECTION

SCALE: N.T.S.



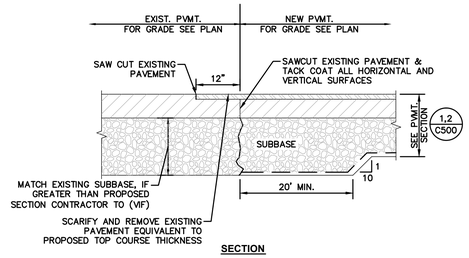
5 RV SPACE SECTION

SCALE: N.T.S.



6 WING GUTTER

SCALE: N.T.S.



7 PAVEMENT TRANSITION SECTION

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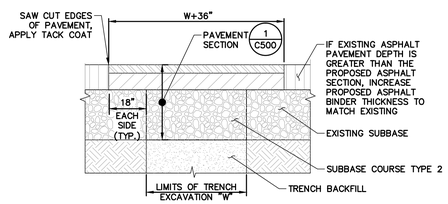
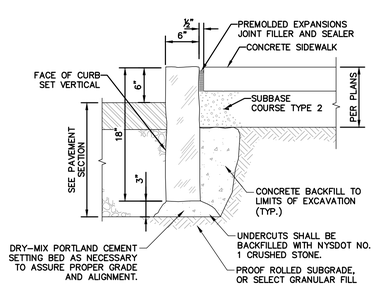


NOTES:

1. SAW CUT AS INDICATED, 18" BEYOND EXCAVATION.
2. PROVIDE AND COMPACT SUBBASE COURSE TYPE 2.
3. TACK COAT IN ACCORDANCE WITH NYSDOT STANDARD SPEC.
4. PROVIDE ASPHALT CONCRETE PAVEMENT AS SPECIFIED.

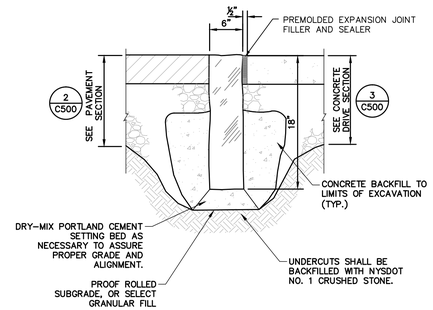
8 TRENCH SURFACE RESTORATION IN ASPHALT PAVEMENT

SCALE: N.T.S.



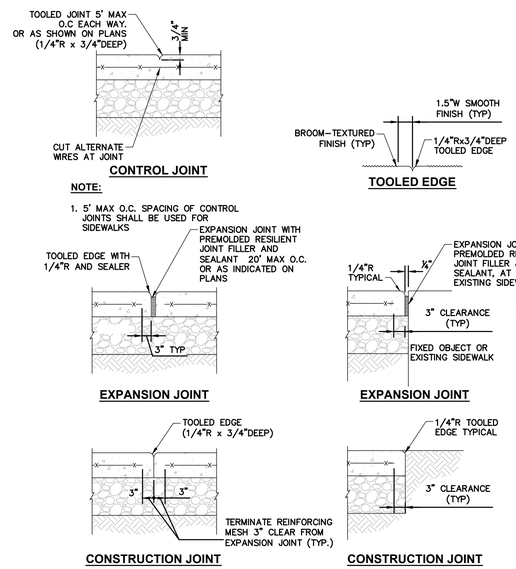
9 GRANITE CURB

SCALE: N.T.S.



10 6-INCH GRANITE CURB - FLUSH

SCALE: N.T.S.

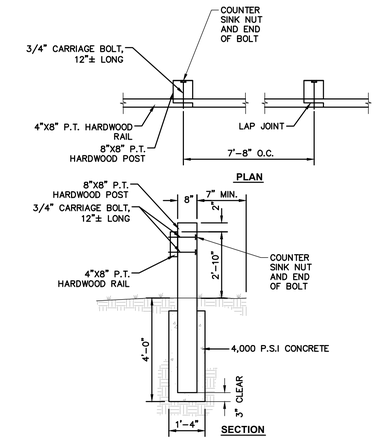


NOTES:

1. 5' MAX O.C. SPACING OF CONTROL JOINTS SHALL BE USED FOR SIDEWALKS
2. ALL CONCRETE SHALL BE 4000 PSI CONCRETE. CONCRETE MATERIALS, PLACEMENT, AND CONSTRUCTION SHALL CONFORM WITH SECTION 500 OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.
2. EXPANSION JOINTS SHALL BE LOCATED A MAXIMUM OF 20' ON CENTER, OR AS INDICATED ON PLANS.
3. WHERE IT IS NECESSARY TO PLACE FILL FOR PURPOSE OF BRINGING THE SUBGRADE ELEVATION UP TO A SPECIFIED GRADE, THE FILL MATERIAL PLACED SHALL BE IN ACCORDANCE WITH SPECIFICATION 0310000..
4. SIDEWALK WIDTH SHOWN ON THE PLANS IS TO BE MEASURED FROM THE BACK OF THE CURB.
5. SIDEWALKS SHALL HAVE A CROSS SLOPE OF 1/4" PER FT. UNLESS OTHERWISE NOTED ON PLAN.

11 CONCRETE WALK JOINT AND FINISH SURFACE DETAIL

SCALE: N.T.S.

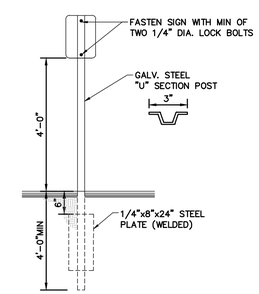


NOTES:

1. ALL FASTENERS TO BE DOUBLE HOT-DIPPED GALVANIZED STEEL.
2. PRESSURE TREATED HARDWOOD TO CONFORM TO AWPA STANDARD U1 UCS CODE - UC4B.
3. PROVIDE POSTS AT TERMINATION POINTS OF HARDWOOD GUIDE RAIL.

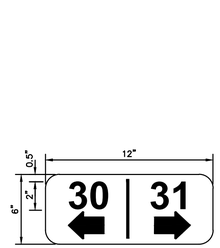
12 TIMBER GUIDE RAIL

SCALE: N.T.S.



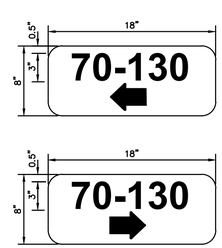
13 SIGN MOUNTING DETAIL

SCALE: N.T.S.



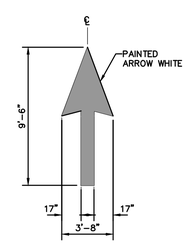
14 RV SPACE SIGN

SCALE: N.T.S.



15 RV ROW SIGN

SCALE: N.T.S.



16 DIRECTIONAL ARROW PAVEMENT MARKING DETAIL

SCALE: N.T.S.

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CONTRACT: CONSTRUCTION

TITLE: PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION: NYS FAIRGROUNDS 581 STATE FAIR BOULEVARD SYRACUSE, NY 13209

CLIENT: NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

PROJECT NUMBER:	45331 – C
DESIGNED BY:	TEW
DRAWN BY:	TEW
FIELD CHECK:	
APPROVED:	

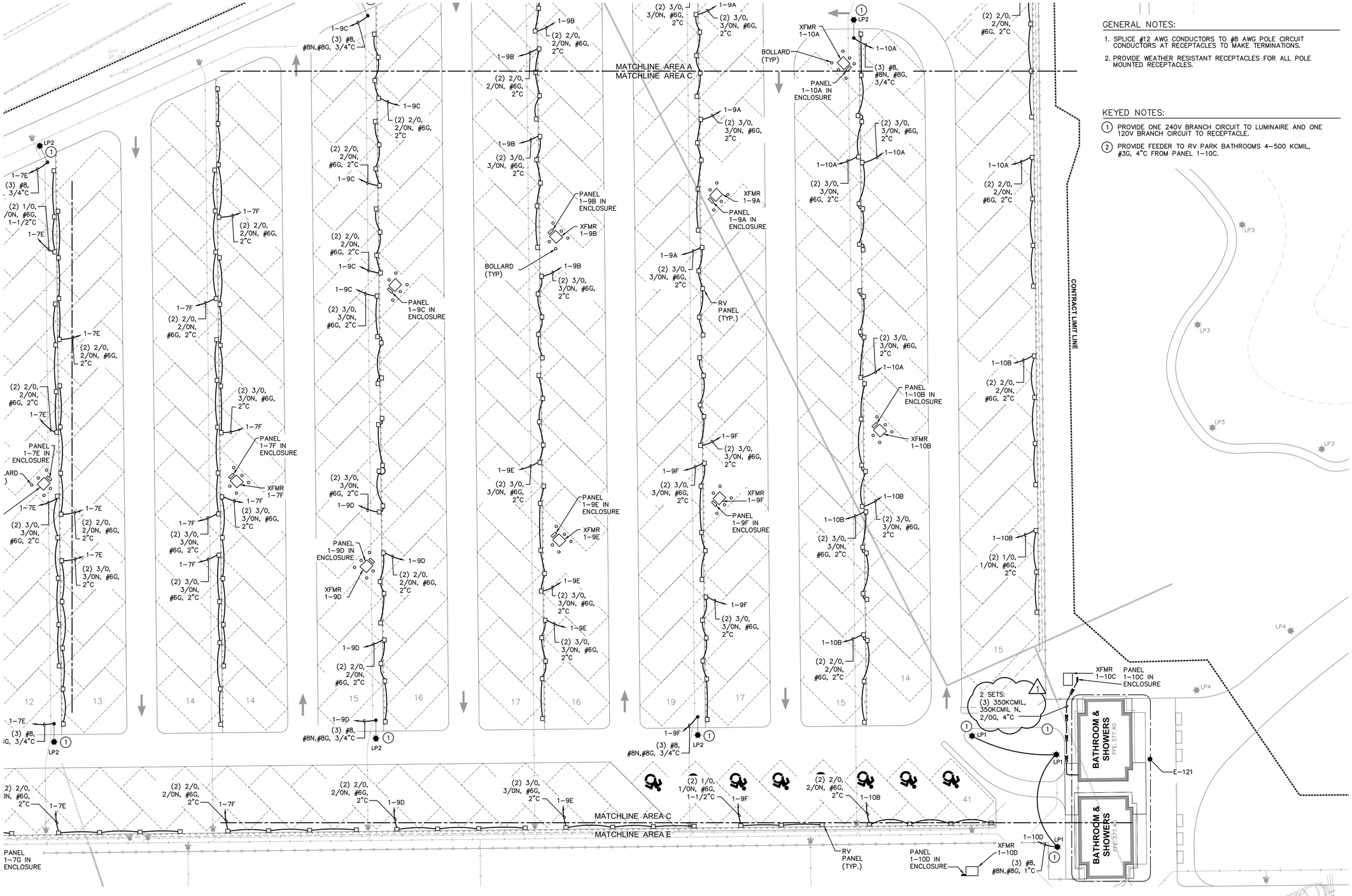
SHEET TITLE: SITE DETAILS

DRAWING NUMBER: C-500

SHEET OF

Jan 13,2016 - 1:12pm F:\mj\915\MJ 915.XX New York State Fair\915.18 45331 NYSF Midway and RV Park\45331 C500 Details.dwg

36x24 PLOT SHEET

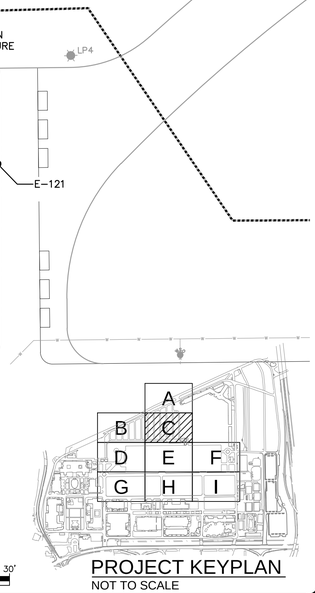


GENERAL NOTES:

1. SPLICE #12 AWG CONDUCTORS TO #8 AWG POLE CIRCUIT CONDUCTORS AT RECEPTACLES TO MAKE TERMINATIONS.
2. PROVIDE WEATHER RESISTANT RECEPTACLES FOR ALL POLE MOUNTED RECEPTACLES.

KEYED NOTES:

1. PROVIDE ONE 240V BRANCH CIRCUIT TO LUMINAIRE AND ONE 120V BRANCH CIRCUIT TO RECEPTACLE.
2. PROVIDE FEEDER TO RV PARK BATHROOMS 4-500 KCMIL, #3G, 4"C FROM PANEL 1-10C.



PROJECT KEYPLAN
NOT TO SCALE

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

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SAGE ENGINEERING ASSOCIATES, LLP

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/15	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

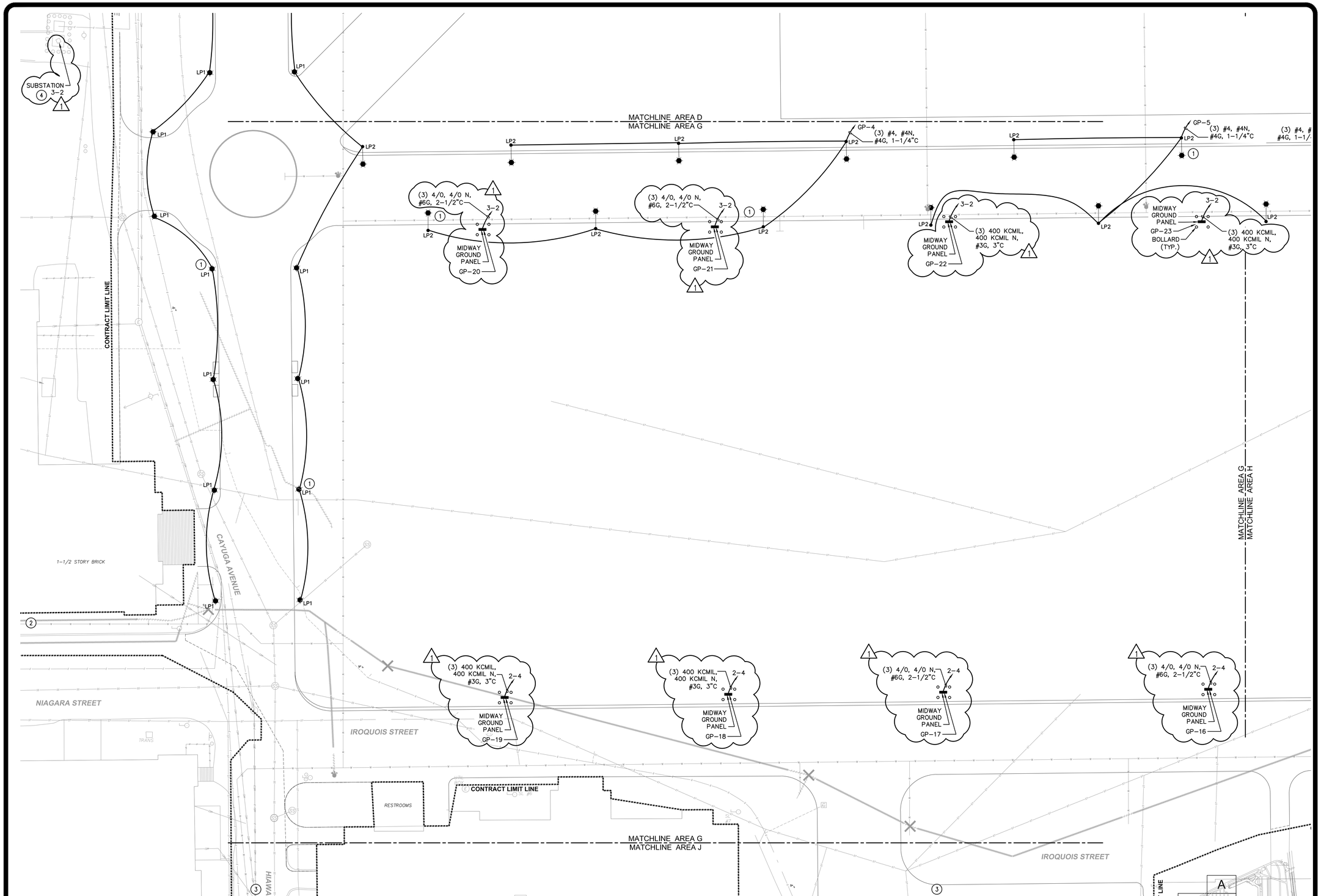
PROJECT NUMBER: 45331 – C

DESIGNED BY:
DRAWN BY:
FIELD CHECK:
APPROVED:

SHEET TITLE:
ELECTRICAL SITE PLAN AREA C

DRAWING NUMBER:
E-110C

SHEET OF



GENERAL NOTES:

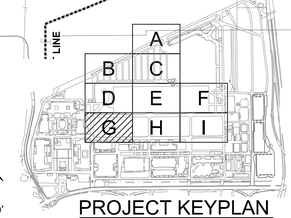
1. SPLICE #12 AWG CONDUCTORS TO #4 AWG POLE CIRCUIT CONDUCTORS AT RECEPTACLES TO MAKE TERMINATIONS.
2. PROVIDE WEATHER RESISTANT RECEPTACLES FOR ALL POLE MOUNTED RECEPTACLES.

KEYED NOTES:

1. PROVIDE ONE 240V BRANCH CIRCUIT TO LUMINAIRE AND ONE 120V BRANCH CIRCUIT TO RECEPTACLE.
2. NO ELECTRICAL WORK TO THE SOUTHEAST OF THIS POINT.
3. NO ELECTRICAL WORK TO THE NORTHEAST OF THIS POINT.
4. DISCONNECT AND REMOVE EXISTING 800A PANEL IN IN SUBSTATION 3-2. PROVIDE PANELBOARD (AS INDICATED BY SCHEDULE) IN EXISTING ENCLOSURE AND RECONNECT TO EXISTING FEEDER.

MAGNETIC

30' 15' 0 30'



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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/15	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

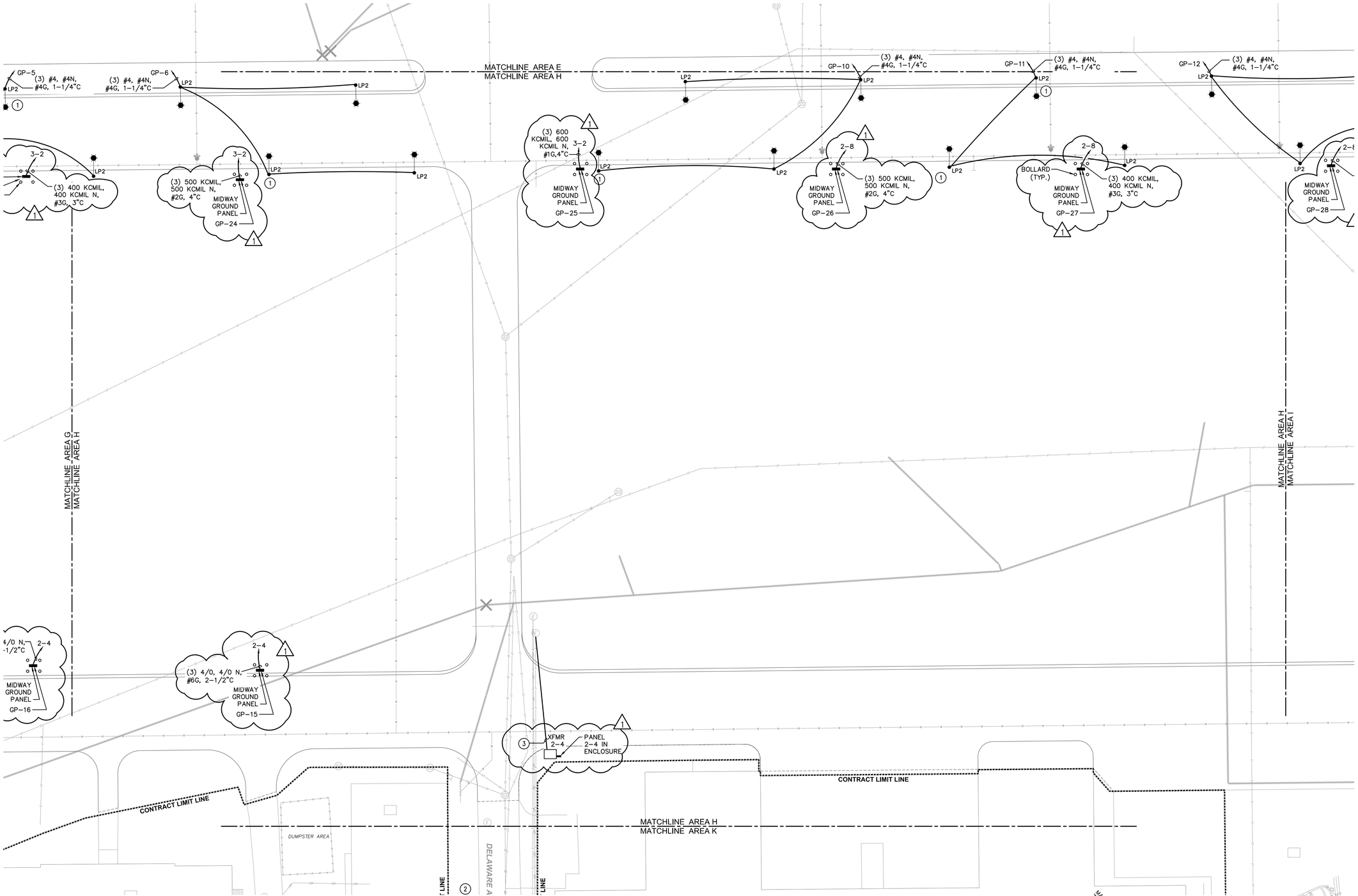
PROJECT NUMBER: 45331 – C

DESIGNED BY:
DRAWN BY:
FIELD CHECK:
APPROVED:

SHEET TITLE:
ELECTRICAL SITE PLAN AREA G

DRAWING NUMBER:
E-110G

SHEET OF



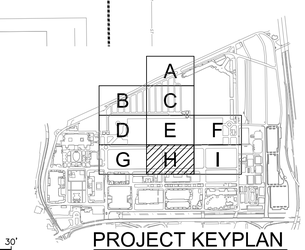
GENERAL NOTES:

1. SPLICE #12 AWG CONDUCTORS TO #4 AWG POLE CIRCUIT CONDUCTORS AT RECEPTACLES TO MAKE TERMINATIONS.
2. PROVIDE WEATHER RESISTANT RECEPTACLES FOR ALL POLE MOUNTED RECEPTACLES.

KEYED NOTES:

1. PROVIDE ONE 240V BRANCH CIRCUIT TO LUMINAIRE AND ONE 120V BRANCH CIRCUIT TO RECEPTACLE.
2. NO ELECTRICAL WORK TO THE NORTHEAST OF THIS POINT.
3. PROVIDE 15 KV SWITCH, TRANSFORMER, AND PANEL IN ENCLOSURE AS INDICATED ON SINGLE LINE. PROVIDE PANELBOARD PER SCHEDULE. PROVIDE SPLICE OF EXISTING 15 KV FEEDER IN EXISTING MANHOLE AND PROVIDE UNDERGROUND FEED TO 2-4 AS INDICATED.

30' 15' 0 30'



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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/15	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

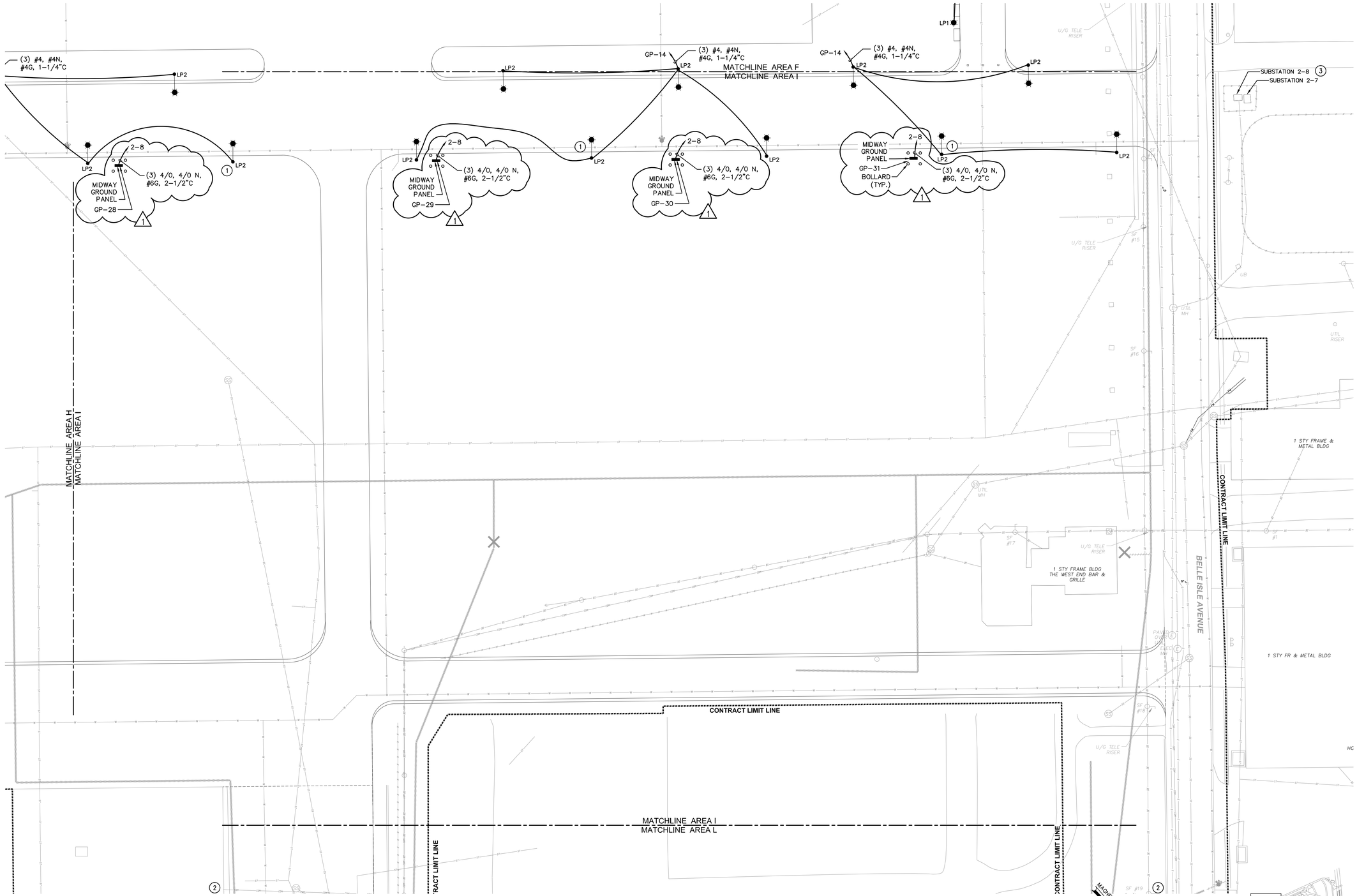
PROJECT NUMBER: 45331 – C

DESIGNED BY:
DRAWN BY:
FIELD CHECK:
APPROVED:

SHEET TITLE:
ELECTRICAL SITE PLAN AREA H

DRAWING NUMBER:
E-110H

SHEET OF

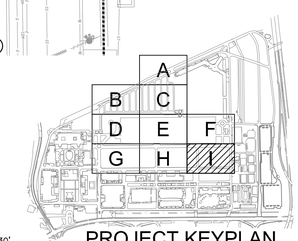


GENERAL NOTES:

1. SPLICE #12 AWG CONDUCTORS TO #4 AWG POLE CIRCUIT CONDUCTORS AT RECEPTACLES TO MAKE TERMINATIONS.
2. PROVIDE WEATHER RESISTANT RECEPTACLES FOR ALL POLE MOUNTED RECEPTACLES.

KEYED NOTES:

1. PROVIDE ONE 240V BRANCH CIRCUIT TO LUMINAIRE AND ONE 120V BRANCH CIRCUIT TO RECEPTACLE.
2. NO ELECTRICAL WORK TO THE NORTHEAST OF THIS POINT.
3. PROVIDE (6) 200A/3P BREAKERS (WITH RATINGS TO MATCH EXISTING) IN EXISTING 1200A PANEL 2-8.



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CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

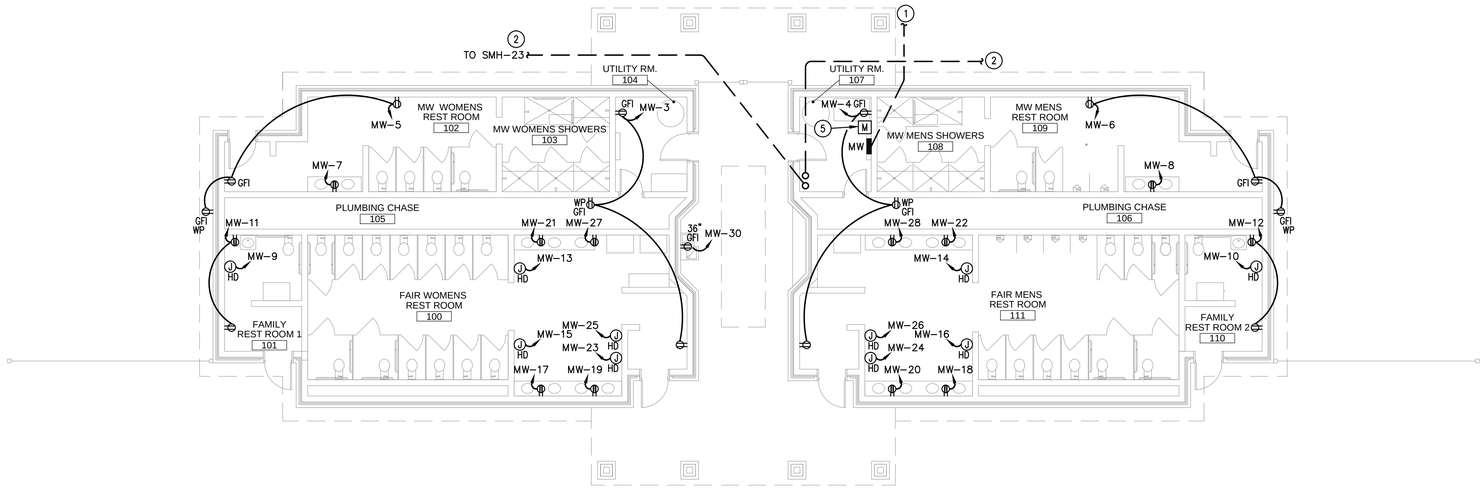
MARK	DATE	DESCRIPTION
1	01/08/15	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

PROJECT NUMBER:	45331 – C
DESIGNED BY:	
DRAWN BY:	
FIELD CHECK:	
APPROVED:	

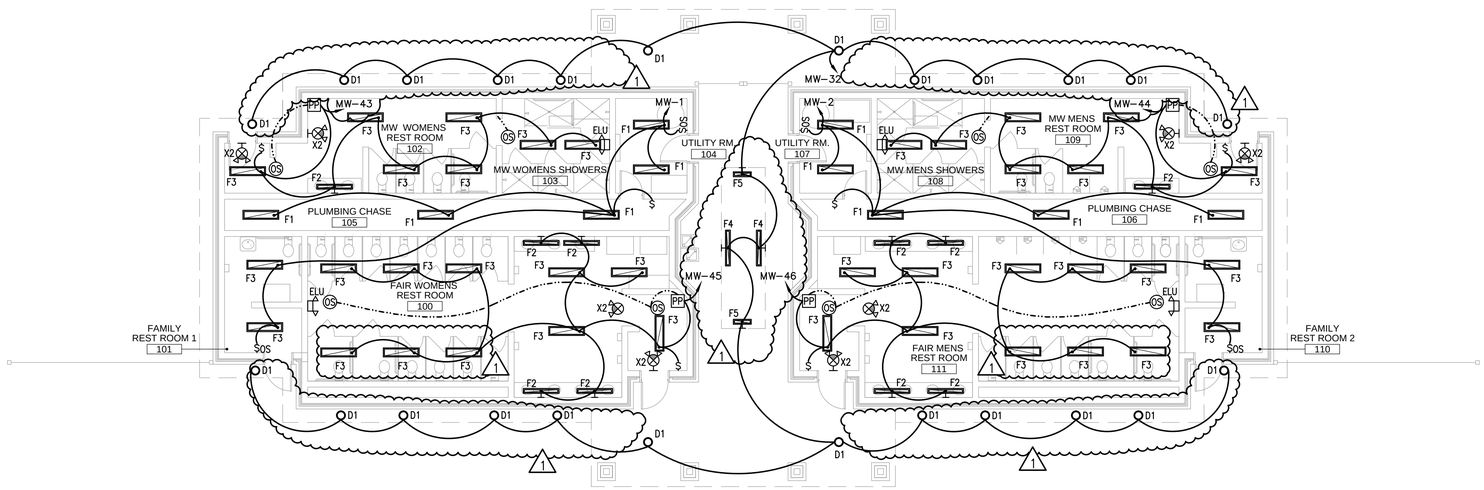
SHEET TITLE:
ELECTRICAL SITE PLAN AREA I

DRAWING NUMBER:
E-110I

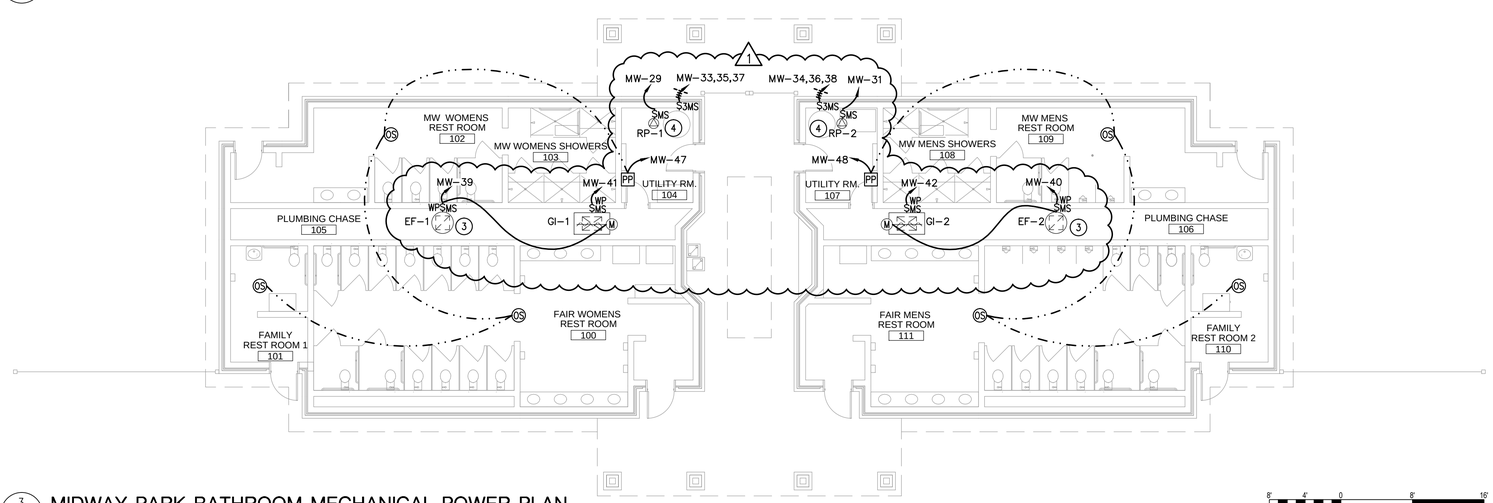
SHEET OF



1 E-120 MIDWAY PARK BATHROOM POWER PLAN
SCALE: 1/8"=1'-0"



2 E-120 MIDWAY PARK BATHROOM LIGHTING PLAN
SCALE: 1/8"=1'-0"



3 E-120 MIDWAY PARK BATHROOM MECHANICAL POWER PLAN
SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. RESERVED.

KEYED NOTES:

1. REFER TO ELECTRICAL SITE PLANS FOR FEEDER SIZE.
2. PROVIDE 2-4" COMMUNICATION CONDUITS FROM INTERIOR OF BUILDING TO EXISTING MANHOLE AND HANDHOLE. REFER TO COMMUNICATION SITE PLANS FOR LOCATIONS AND ROUTING.
3. EXTEND POWER FROM FAN TO DAMPER. DAMPER AND FAN WILL BE INTERLOCKED FOR SIMULTANEOUS OPERATION.
4. CONNECT RE-CIRC PUMPS VIA LINE VOLTAGE AQUASTAT.
5. PROVIDE ENERGY METER ADJACENT TO PANEL. PROVIDE CIRCUIT TO METER FROM PANEL AND INSTALL SPLIT CORE CURRENT SENSORS ON INCOMING PHASE CONDUCTORS.

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

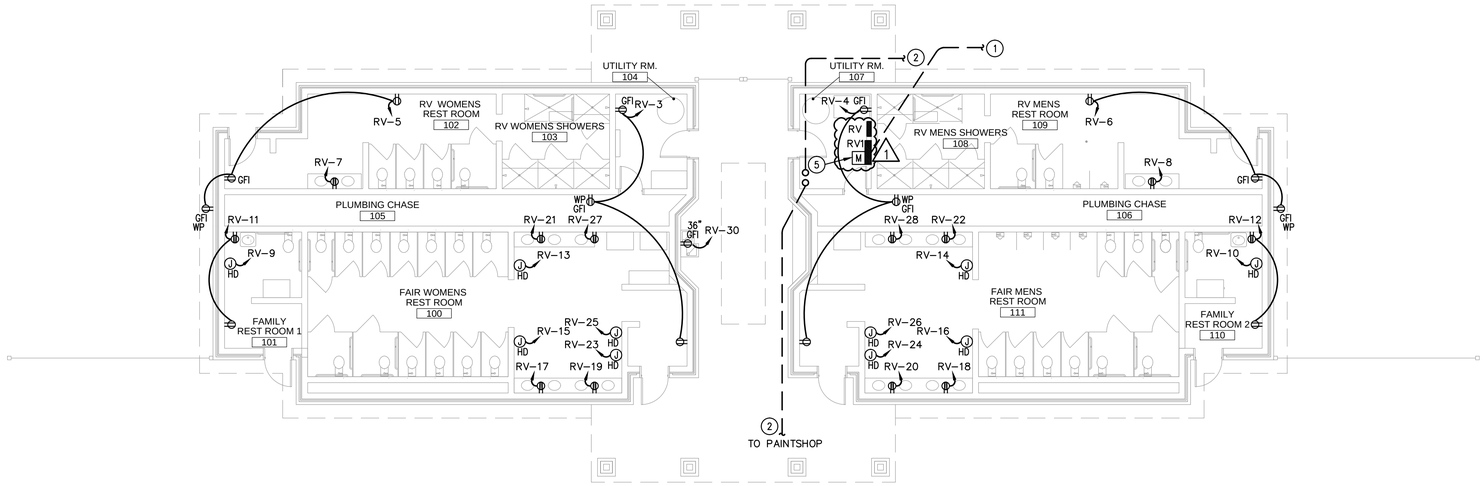
MARK	DATE	DESCRIPTION
1	01/08/15	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

PROJECT NUMBER:	45331 – C
DESIGNED BY:	MOM
DRAWN BY:	JRT
FIELD CHECK:	
APPROVED:	

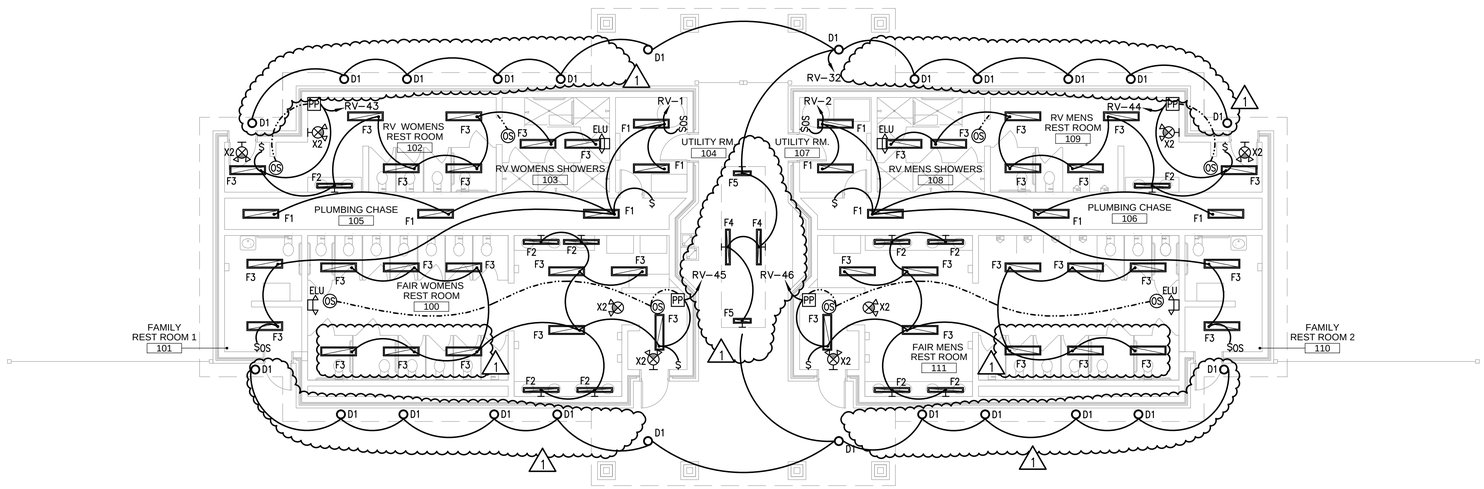
SHEET TITLE:
MIDWAY BATHROOM ELECTRICAL PLAN

DRAWING NUMBER:
E-120

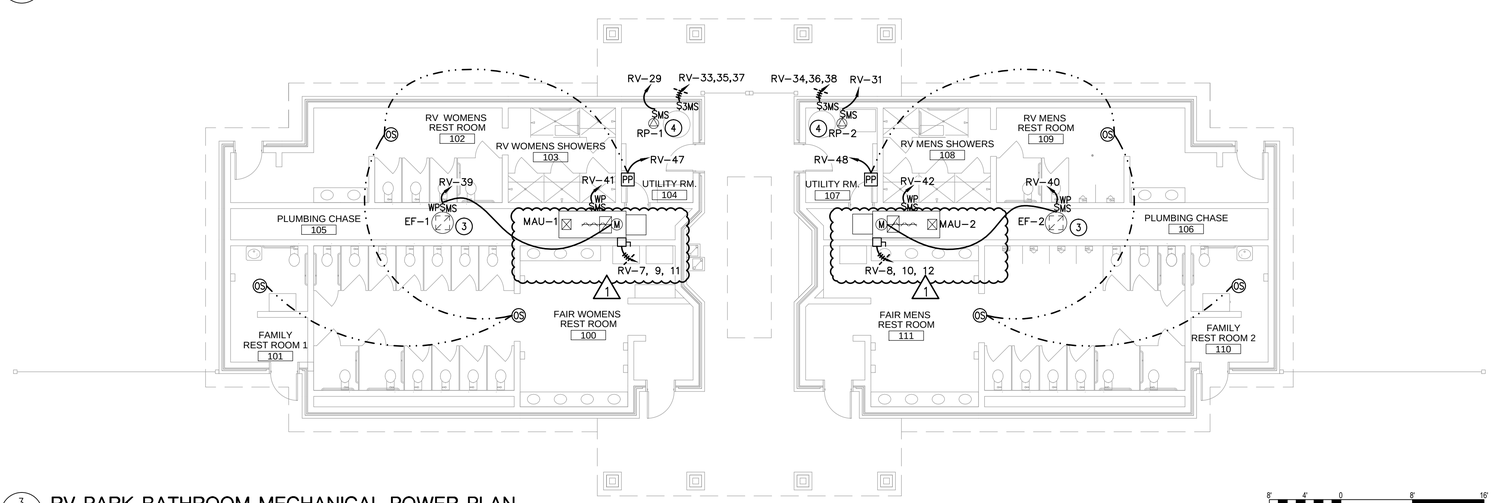
SHEET OF



1 E-121 RV PARK BATHROOM POWER PLAN
SCALE: 1/8"=1'-0"



2 E-121 RV PARK BATHROOM LIGHTING PLAN
SCALE: 1/8"=1'-0"



3 E-121 RV PARK BATHROOM MECHANICAL POWER PLAN
SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. RESERVED.

KEYED NOTES:

1. REFER TO ELECTRICAL SITE PLANS FOR FEEDER SIZE.
2. PROVIDE 2-4" COMMUNICATION CONDUITS FROM INTERIOR OF BUILDING TO HANDHOLES. REFER TO COMMUNICATION SITE PLANS FOR LOCATIONS AND ROUTING.
3. EXTEND POWER FROM FAN TO DAMPER. DAMPER AND FAN WILL BE INTERLOCKED FOR SIMULTANEOUS OPERATION.
4. CONNECT RE-CIRC PUMPS VIA LINE VOLTAGE AQUASTAT.
5. PROVIDE ENERGY METER ADJACENT TO PANEL. PROVIDE CIRCUIT TO METER FROM PANEL AND INSTALL SPLIT CORE CURRENT SENSORS ON INCOMING PHASE CONDUCTORS.

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

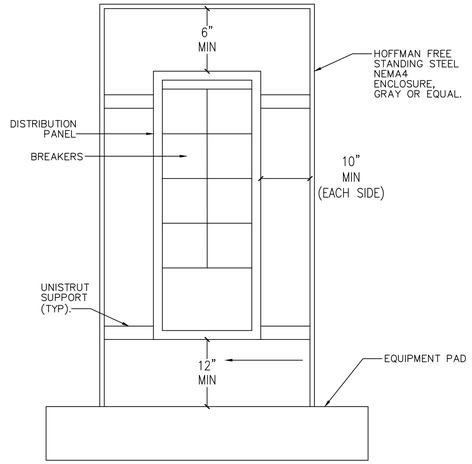
MARK	DATE	DESCRIPTION
1	01/08/15	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

PROJECT NUMBER:	45331 – C
DESIGNED BY:	MOM
DRAWN BY:	JRT
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
RV PARK BATHROOM ELECTRICAL PLAN PLAN

DRAWING NUMBER:
E-121

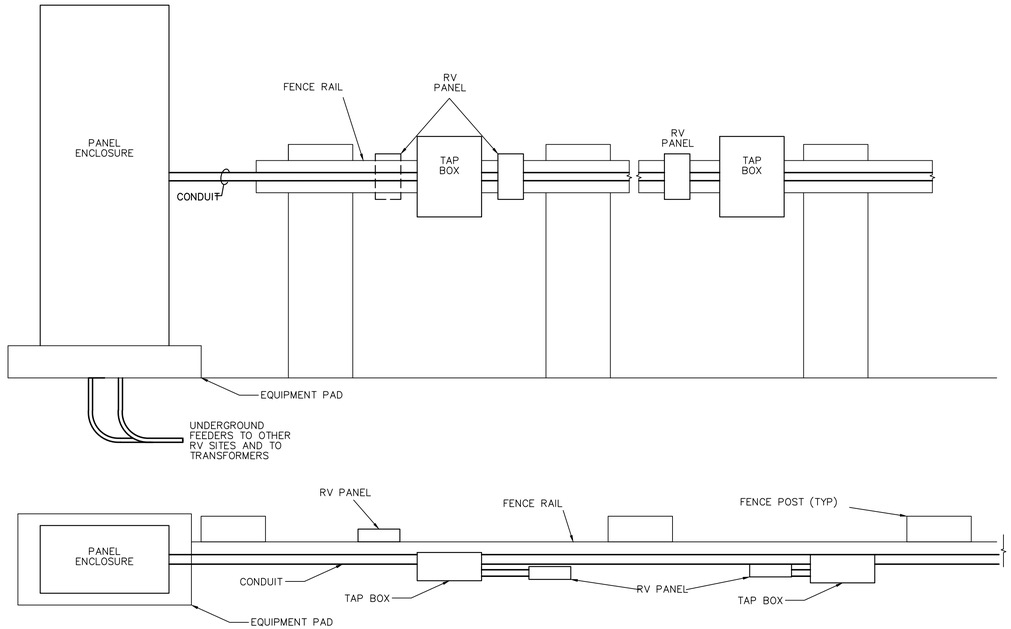
SHEET OF



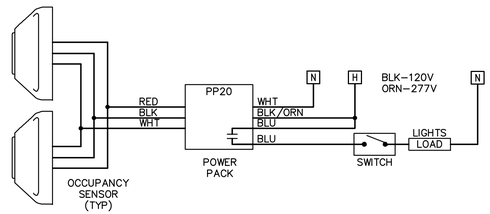
NOTES:

1. PROVIDE NEMA1 PANEL WITHIN ENCLOSURE. SUPPORT PANEL WITH UNISTRUT BOLTED TO ENCLOSURE.
2. PROVIDE PANEL FACE RECESSED NOT MORE THAN 2 INCHES FROM ENCLOSURE FACE.
3. PROVIDE ENCLOSURE LARGER THAN PANEL BY THE MINIMUM DIMENSIONS SHOWN. COORDINATE ENCLOSURE WITH PANEL DIMENSIONS.
4. PROVIDE ENCLOSURE WITH MANUFACTURER'S FACTORY LOCKABLE HASP.

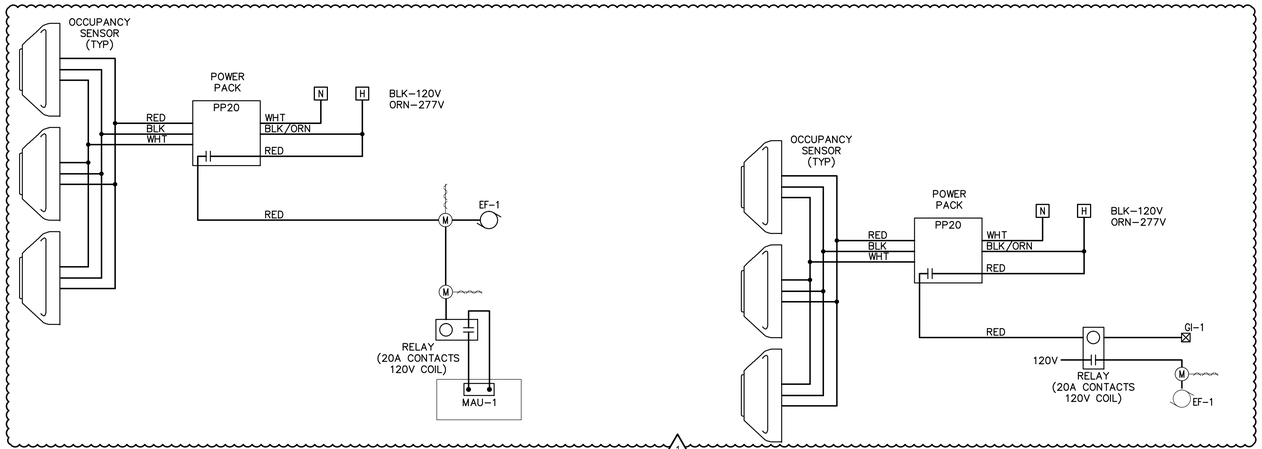
1 / E-504 OUTDOOR DISTRIBUTION PANEL ENCLOSURE
SCALE: NTS



2 / E-504 RV PARK FEEDER DETAIL
SCALE: NTS



3 / E-504 BATHROOM LIGHTING CONTROLS
SCALE: NTS



4 / E-504 RV PARK BATHROOM EXHAUST FAN CONTROLS
SCALE: NTS

5 / E-504 MIDWAY BATHROOM EXHAUST FAN CONTROLS
SCALE: NTS

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

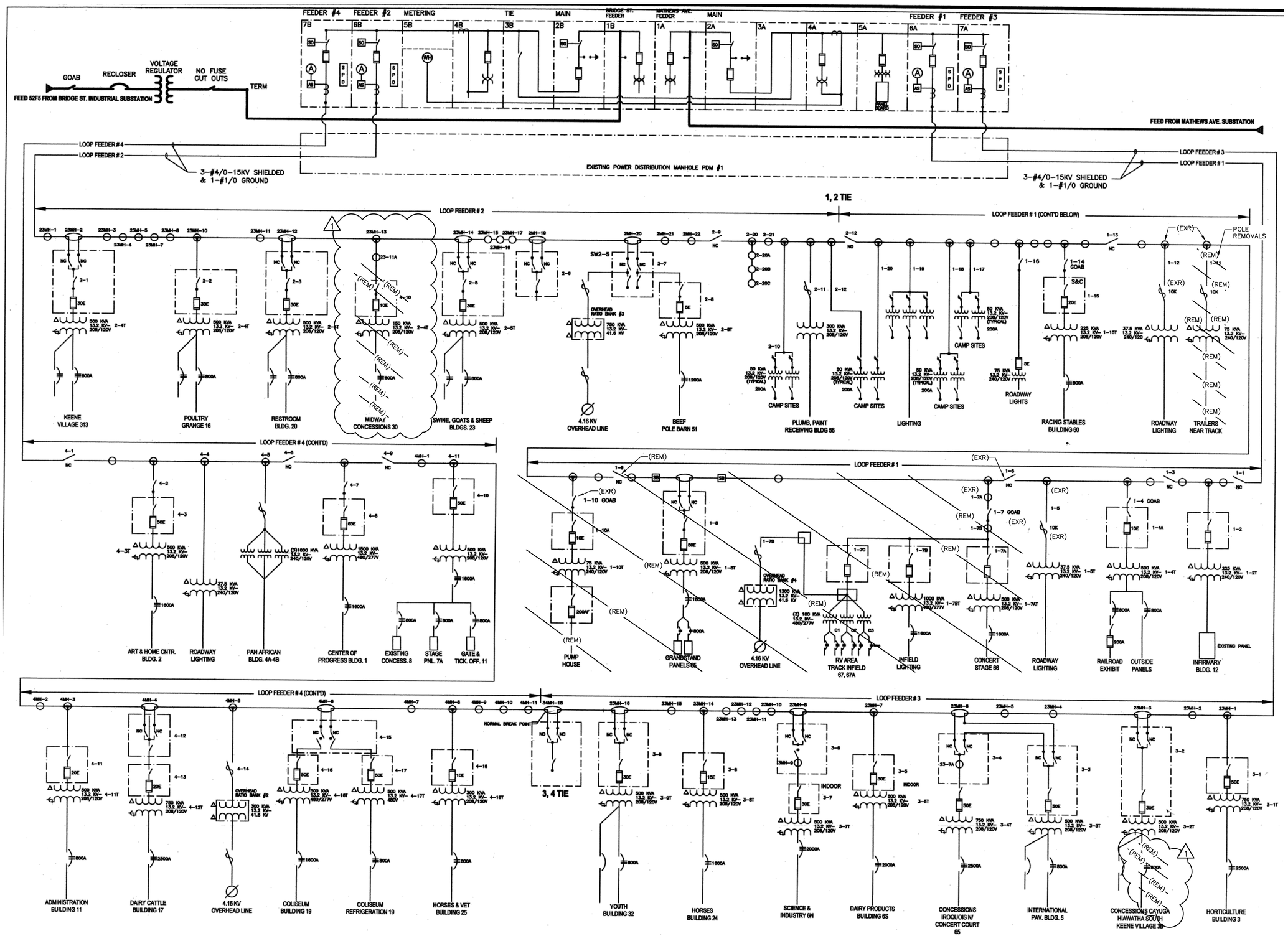
MARK	DATE	DESCRIPTION
1	01/08/15	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

PROJECT NUMBER:	45331 – C
DESIGNED BY:	MOM
DRAWN BY:	JRT
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
DETAILS

DRAWING NUMBER:
E–504

SHEET OF



1 / E-601 RISER DIAGRAM REMOVALS
SCALE: NTS

NEW YORK STATE OF OPPORTUNITY. Office of General Services
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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

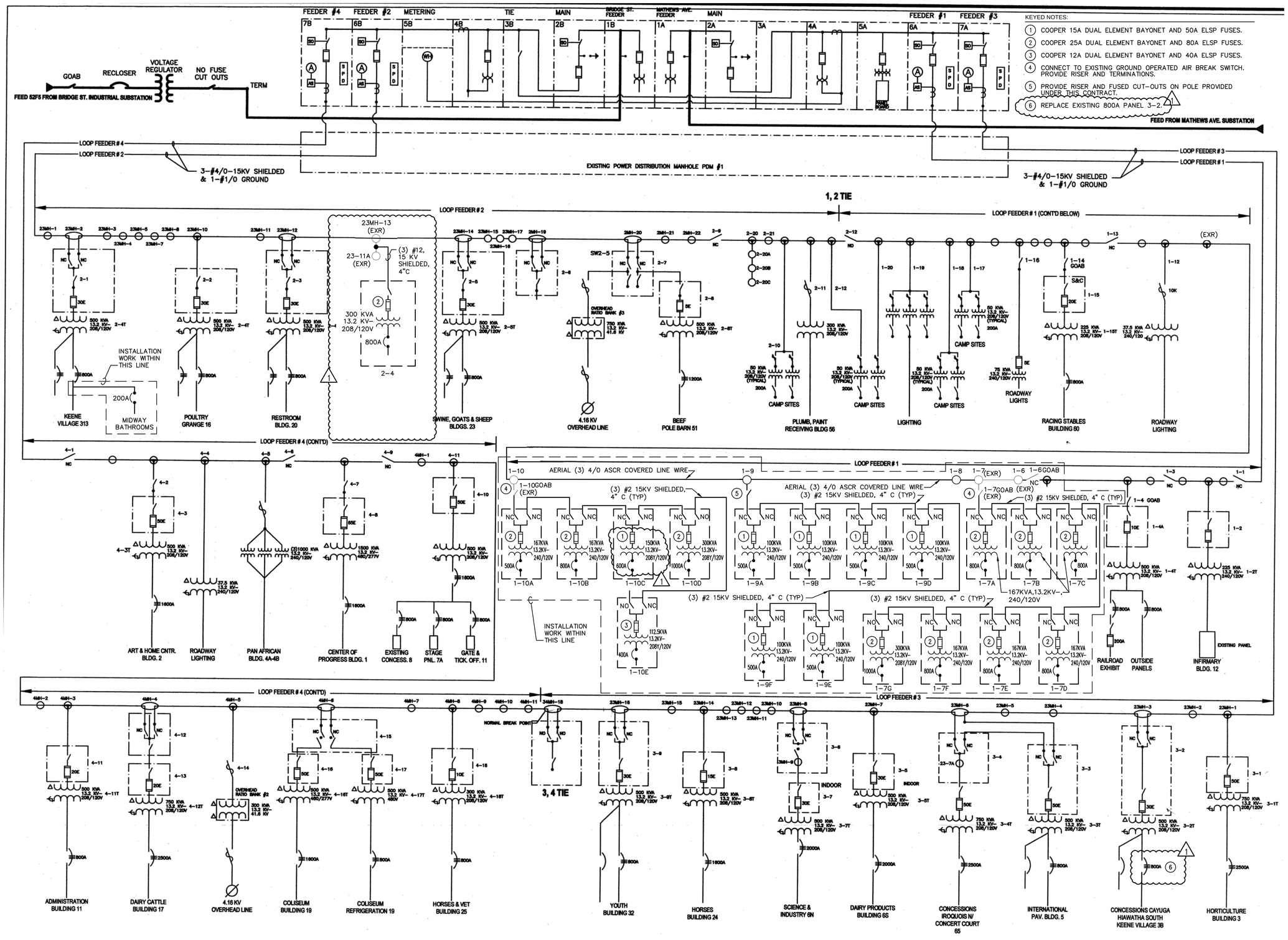
MARK	DATE	DESCRIPTION
1	01/08/15	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

PROJECT NUMBER:	45331 – C
DESIGNED BY:	MOM
DRAWN BY:	JRT
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
RISER DIAGRAM REMOVALS

DRAWING NUMBER:
E-601

SHEET OF



KEYED NOTES:

1. COOPER 15A DUAL ELEMENT BAYONET AND 50A ELSP FUSES.
2. COOPER 25A DUAL ELEMENT BAYONET AND 80A ELSP FUSES.
3. COOPER 12A DUAL ELEMENT BAYONET AND 40A ELSP FUSES.
4. CONNECT TO EXISTING GROUND OPERATED AIR BREAK SWITCH. PROVIDE RISER AND TERMINATIONS.
5. PROVIDE RISER AND FUSED CUT-OUTS ON POLE PROVIDED UNDER THIS CONTRACT.
6. REPLACE EXISTING 800A PANEL 3-2.

1 E-602 RISER DIAGRAM INSTALLATION
SCALE: NTS

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

Engineering and Land Surveying, P.C.

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/15	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

PROJECT NUMBER:	45331 – C
DESIGNED BY:	MOM
DRAWN BY:	JRT
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
RISER DIAGRAM INSTALLATION

DRAWING NUMBER:
E-602

SHEET OF

PANEL SCHEDULE

PANEL: MW REST ROOMS | VOLTS: 120/208 | PHASE: 3 | WIRE: 4
MAIN RATING: 400 AMPS | MCB: 300 AMPS | MIN AIC RATING: 10,000 AMPS RMS SYM.
MOUNTING: SURFACE | OTHER: – | LOCATION: ELECTRIC/MECH ROOM

CKT. NO.	LOAD DESCRIPTION	LOAD	WIRE SIZE	TRIP	PHASE A	PHASE B	PHASE C	TRIP	WIRE SIZE	LOAD	LOAD DESCRIPTION	CKT. NO.
1	LGT–WOMEN'S MECH, CHASE/HC ROOM	252	#12	20/1				20/1	#12	252	LGT–MEN'S MECH, CHASE/HC ROOM	2
3	RECEPT–ELE/MECH, CHASE, ENTRY	540	#12	20/1				20/1	#12	540	RECEPT–ELE/MECH, CHASE, ENTRY	4
5	RECEPT–WOMEN'S GEN PURPOSE	540	#12	20/1				20/1	#12	540	RECEPT–MEN'S GEN PURPOSE	6
7	RECEPT–WOMEN'S SINK	180	#12	20/1				20/1	#12	180	RECEPT–MEN'S SINK	8
9	HC TOILET HAND DRYER	1080	#12	20/1				20/1	#12	1080	HC TOILET HAND DRYER	10
11	RECEPT–HC TOILET	360	#12	20/1				20/1	#12	360	RECEPT–HC TOILET	12
13	WEST WOMEN'S HAND DRYER	1080	#12	20/1				20/1	#12	1080	EAST MEN'S HAND DRYER	14
15	WEST WOMEN'S HAND DRYER	1080	#12	20/1				20/1	#12	1080	EAST MEN'S HAND DRYER	16
17	RECEPT–WEST WOMEN'S SINK	180	#12	20/1				20/1	#12	180	RECEPT–EAST MEN'S SINK	18
19	RECEPT–WEST WOMEN'S SINK	180	#12	20/1				20/1	#12	180	RECEPT–EAST MEN'S SINK	20
21	RECEPT–WEST WOMEN'S SINK	180	#12	20/1				20/1	#12	180	RECEPT–EAST MEN'S SINK	22
23	WEST WOMEN'S HAND DRYER	1080	#12	20/1				20/1	#12	1080	EAST MEN'S HAND DRYER	24
25	WEST WOMEN'S HAND DRYER	1080	#12	20/1				20/1	#12	1080	EAST MEN'S HAND DRYER	26
27	RECEPT–WEST WOMEN'S SINK	180	#12	20/1				20/1	#12	180	RECEPT–EAST MEN'S SINK	28
29	RP–1	100	#12	20/1				20/1	#12	300	OUTDOOR DRINKING FOUNTAIN	30
31	RP–2	100	#12	20/1				20/1	#12	150	EXTERIOR LIGHTING	32
33	EWH–1	10000	#2	110/3				110/3	#2	10000	EWH–2	34
35	–	10000	–	–				–	–	10000	–	36
37	–	10000	–	–				–	–	10000	–	38
39	EXHAUST FAN EF–1	–	#12	20/1				20/1	#12	–	EXHAUST FAN EF–2	40
41	GI–1	250	#12	20/1				20/1	#12	250	GI–2	42
43	LGT–RV WOMEN'S BATHROOM ROOM	548	#12	20/1				20/1	#12	548	LGT–RV MEN'S BATHROOM ROOM	44
45	LGT–FAIR WOMEN'S BATHROOM ROOM	548	#12	20/1				20/1	#12	548	LGT–FAIR MEN'S BATHROOM ROOM	46
47	WOMEN'S FAN CONTROL	–	#12	20/1				20/1	#12	–	MEN'S FAN CONTROL	48
49	SPARE	–	–	20/1				20/1	–	–	SPARE	50
51	SPARE	–	–	20/1				20/1	–	–	SPARE	52
53	SPARE	–	–	20/1				20/1	–	–	SPARE	54
55	SPARE	–	–	20/1				20/1	–	–	SPARE	56
57	SPARE	–	–	20/1				20/1	–	–	SPARE	58
59	SPARE	–	–	20/1				20/1	–	–	SPARE	60
61	SPACE	–	–	–				20/3	#12	50	ENERGY METER	62
63	SPACE	–	–	–				–	–	50	–	64
65	SPACE	–	–	–				–	–	50	–	66
67	SPACE	–	–	–				–	–	–	SPACE	68
69	SPACE	–	–	–				–	–	–	SPACE	70
71	SPACE	–	–	–				–	–	–	SPACE	72
73	SPACE	–	–	–				–	–	–	SPACE	74
75	SPACE	–	–	–				–	–	–	SPACE	76
77	SPACE	–	–	–				–	–	–	SPACE	78
79	SPACE	–	–	–				–	–	–	SPACE	80
81	SPACE	–	–	–				–	–	–	SPACE	82
83	SPACE	–	–	–				–	–	–	SPACE	84

1

NOTE: PROVIDE 2 SETS: (2) 600KCMIL, 600KCMIL N, 3/0G, 4"C FROM TRANSFORMER TO PANEL.

PANEL SCHEDULE

PANEL: RV REST ROOMS | VOLTS: 120/208 | PHASE: 3 | WIRE: 4
MAIN RATING: 400 AMPS | MCB: 300 AMPS | MIN AIC RATING: 10,000 AMPS RMS SYM.
MOUNTING: SURFACE | OTHER: – | LOCATION: ELECTRIC/MECH ROOM

CKT. NO.	LOAD DESCRIPTION	LOAD	WIRE SIZE	TRIP	PHASE A	PHASE B	PHASE C	TRIP	WIRE SIZE	LOAD	LOAD DESCRIPTION	CKT. NO.
1	LGT–WOMEN'S MECH, CHASE/HC ROOM	252	#12	20/1				20/1	#12	252	LGT–MEN'S MECH, CHASE/HC ROOM	2
3	RECEPT–ELE/MECH, CHASE, ENTRY	540	#12	20/1				20/1	#12	540	RECEPT–ELE/MECH, CHASE, ENTRY	4
5	RECEPT–WOMEN'S GEN PURPOSE	540	#12	20/1				20/1	#12	540	RECEPT–MEN'S GEN PURPOSE	6
7	RECEPT–WOMEN'S SINK	180	#12	20/1				20/1	#12	180	RECEPT–MEN'S SINK	8
9	HC TOILET HAND DRYER	1080	#12	20/1				20/1	#12	1080	HC TOILET HAND DRYER	10
11	RECEPT–HC TOILET	360	#12	20/1				20/1	#12	360	RECEPT–HC TOILET	12
13	SOUTH WOMEN'S HAND DRYER	1080	#12	20/1				20/1	#12	1080	NORTH MEN'S HAND DRYER	14
15	SOUTH WOMEN'S HAND DRYER	1080	#12	20/1				20/1	#12	1080	NORTH MEN'S HAND DRYER	16
17	RECEPT–SOUTH WOMEN'S SINK	180	#12	20/1				20/1	#12	180	RECEPT–NORTH MEN'S SINK	18
19	RECEPT–SOUTH WOMEN'S SINK	180	#12	20/1				20/1	#12	180	RECEPT–NORTH MEN'S SINK	20
21	RECEPT–SOUTH WOMEN'S SINK	180	#12	20/1				20/1	#12	180	RECEPT–NORTH MEN'S SINK	22
23	SOUTH WOMEN'S HAND DRYER	1080	#12	20/1				20/1	#12	1080	NORTH MEN'S HAND DRYER	24
25	SOUTH WOMEN'S HAND DRYER	1080	#12	20/1				20/1	#12	1080	NORTH MEN'S HAND DRYER	26
27	RECEPT–SOUTH WOMEN'S SINK	180	#12	20/1				20/1	#12	180	RECEPT–NORTH MEN'S SINK	28
29	RP–1	100	#12	20/1				20/1	#12	300	OUTDOOR DRINKING FOUNTAIN	30
31	RP–2	100	#12	20/1				20/1	#12	150	EXTERIOR LIGHTING	32
33	EWH–1	10000	#2	110/3				110/3	#2	10000	EWH–2	34
35	–	10000	–	–				–	–	10000	–	36
37	–	10000	–	–				–	–	10000	–	38
39	EXHAUST FAN EF–1	–	#12	20/1				20/1	#12	–	EXHAUST FAN EF–2	40
41	DAMPER CONTROL	250	#12	20/1				20/1	#12	250	DAMPER CONTROL	42
43	LGT–RV WOMEN'S BATHROOM ROOM	548	#12	20/1				20/1	#12	548	LGT–RV MEN'S BATHROOM ROOM	44
45	LGT–FAIR WOMEN'S BATHROOM ROOM	548	#12	20/1				20/1	#12	548	LGT–FAIR MEN'S BATHROOM ROOM	46
47	WOMEN'S FAN CONTROL	–	#12	20/1				20/1	#12	–	MEN'S FAN CONTROL	48
49	SPARE	–	–	20/1				20/1	–	–	SPARE	50
51	SPARE	–	–	20/1				20/1	–	–	SPARE	52
53	SPARE	–	–	20/1				20/1	–	–	SPARE	54
55	SPARE	–	–	20/1				20/1	–	–	SPARE	56
57	SPARE	–	–	20/1				20/1	–	–	SPARE	58
59	SPARE	–	–	20/1				20/1	–	–	SPARE	60
61	SPACE	–	–	–				–	–	–	SPACE	62
63	SPACE	–	–	–				–	–	–	SPACE	64
65	SPACE	–	–	–				–	–	–	SPACE	66
67	SPACE	–	–	–				–	–	–	SPACE	68
69	SPACE	–	–	–				–	–	–	SPACE	70
71	SPACE	–	–	–				–	–	–	SPACE	72
73	SPACE	–	–	–				–	–	–	SPACE	74
75	SPACE	–	–	–				–	–	–	SPACE	76
77	SPACE	–	–	–				–	–	–	SPACE	78
79	SPACE	–	–	–				–	–	–	SPACE	80
81	SPACE	–	–	–				–	–	–	SPACE	82
83	SPACE	–	–	–				–	–	–	SPACE	84

1

NOTE: PROVIDE 2 SETS: (2) 600KCMIL, 600KCMIL N, 3/0G, 4"C FROM TRANSFORMER TO PANEL.

PANEL SCHEDULE

PANEL: 1–7A | VOLTS: 240/120 | PHASE: 1 | WIRE: 3
MAIN RATING: 800 AMPS | MCB: 800 AMPS | MIN AIC RATING: 22 KAIC AMPS RMS SYM.
MOUNTING: SURFACE | OTHER: IN ENCL., TOP FEED | LOCATION: ADJACENT TO XFMR 1–7A

CKT. NO.	LOAD DESCRIPTION	LOAD	WIRE SIZE	TRIP	PHASE A	PHASE B	TRIP	WIRE SIZE	LOAD	LOAD DESCRIPTION	CKT. NO.
1	ROW 1 3 SITES	12250	1/0	150/2			150/2	1/0	12250	ROW 2 3 SITES	2
3	–	12250	–	–			–	–	12250	–	4
5	ROW 2 4 SITES	14440	2/0	175/2			200/2	3/0	15600	MIDWAY ROW 5 SITES	6
7	–	14440	–	–			–	–	15600	–	8
9	ROW 3 3 SITES	12250	1/0	150/2			150/2	1/0	12250	ROW 3 3 SITES	10
11	–	12250	–	–			–	–	12250	–	12
13	SPARE	–	–	150/2			150/2	–	–	SPARE	14
15	–	–	–	–			–	–	–	–	16
17	SPARE	–	–	175/2			200/2	–	–	SPARE	18
19	–	–	–	–			–	–	–	–	20
21	SPACE	–	–	–			–	–	–	SPACE	22
23	SPACE	–	–	–			–	–	–	SPACE	24
25	SPACE	–	–	–			–	–	–	SPACE	26
27	SPACE	–	–	–			–	–	–	SPACE	28
29	SPACE	–	–	–			–	–	–	SPACE	30
31	STREET LIGHT POLE #	30	8	20/2			–	–	–	SPACE	32
33	–	30	–	–			–	–	–	SPACE	34
35	RECEPTACLE POLE #	200	8	20/1			–	–	–	SPACE	36
37	STREET LIGHT POLE #	30	8	20/2			–	–	–	SPACE	38
39	–	30	–	–			20/2	#8	–	TVSS	40
41	RECEPTACLE POLE #	200	8	20/1			–	–	–	–	42

NOTE: PROVIDE 2 SETS: (2) 600KCMIL, 600KCMIL N, 3/0G, 4"C FROM TRANSFORMER TO PANEL..

PANEL SCHEDULE

PANEL: 1–7C | VOLTS: 240/120 | PHASE: 1 | WIRE: 3
MAIN RATING: 800 AMPS | MCB: 800 AMPS | MIN AIC RATING: 22 KAIC AMPS RMS SYM.
MOUNTING: SURFACE | OTHER: IN ENCL.,TOP FEED | LOCATION: ADJACENT TO XFMR 1–7C

CKT. NO.	LOAD DESCRIPTION	LOAD	WIRE SIZE	TRIP	PHASE A	PHASE B	TRIP	WIRE SIZE	LOAD	LOAD DESCRIPTION	CKT. NO.
1	ROW 5 5 SITES	15600	3/0	200/2			200/2	3/0	15600	ROW 5 5 SITES	2
3	–	15600	–	–			–	–	15600	–	4
5	ROW 5 3 SITES	12250	1/0	150/2			200/2	3/0	15600	ROW 5 5 SITES	6
7	–	12250	–	–			–	–	15600	–	8
9	MIDWAY ROW 4 SITES	14400	2/0	175/2			175/2	–	–	SPARE	10
11	–	14400	–	–			–	–	–	–	12
13	SPARE	–	–	200/2			150/2	–	–	SPARE	14
15	–	–	–	–			–	–	–	–	16
17	SPACE	–	–	–			–	–	–	SPACE	18
19	SPACE	–	–	–			–	–	–	SPACE	20
21	SPACE	–	–	–			–	–	–	SPACE	22
23	SPACE	–	–	–			–	–	–	SPACE	24
25	SPACE	–	–	–			–	–	–	SPACE	26
27	SPACE	–	–	–			–	–	–	SPACE	28
29	SPACE	–	–	–			–	–	–	SPACE	30
31	STREET LIGHT POLE #	30	8	20/2			–	–	–	SPACE	32
33	–	30	–	–			–	–	–	SPACE	34
35	RECEPTACLE POLE #	200	8	20/1			–	–	–	SPACE	36
37	STREET LIGHT POLE #	30	8	20/2			–	–	–	SPACE	38
39	–	30	–	–			20/2	#8	–	TVSS	40
41	RECEPTACLE POLE #	200	8	20/1			–	–	–	–	42

NOTE: PROVIDE 2 SETS: (2) 600KCMIL, 600KCMIL N, 3/0G, 4"C FROM TRANSFORMER TO PANEL.

PANEL SCHEDULE

PANEL: 1–7B | VOLTS: 240/120 | PHASE: 1 | WIRE: 3
MAIN RATING: 800 AMPS | MCB: 800 AMPS | MIN AIC RATING: 22 KAIC AMPS RMS SYM.
MOUNTING: SURFACE | OTHER: IN ENCL., TOP FEED | LOCATION: ADJACENT TO XFMR 1–7B

CKT. NO.	LOAD DESCRIPTION	LOAD	WIRE SIZE	TRIP	PHASE A	PHASE B	TRIP	WIRE SIZE	LOAD	LOAD DESCRIPTION	CKT. NO.
1	ROW 3 3 SITES	12250	1/0	150/2			150/2	1/0	12250	ROW 3 3 SITES	2
3	–	12250	–	–			–	–	12250	–	4
5	ROW 4 3 SITES	12250	1/0	150/2			150/2	1/0	12250	ROW 4 3 SITES	6
7	–	12250	–	–			–	–	12250	–	8
9	ROW 4 4 SITES	14400	2/0	175/2			200/2	3/0	15600	ROW 4 5 SITES	10
11	–	14400	–	–			–	–	15600	–	12
13	MIDWAY ROW 5 SITES	15600	3/0	200/2			175/2	–	–	SPARE	14
15	–	15600	–	–			–	–	–	–	16
17	SPARE	–	–	175/2			200/2	–	–	SPARE	18
19	–	–	–	–			–	–	–	–	20
21	SPARE	–	–	–			–	–	–	SPACE	22
23	SPACE	–	–	–			–	–	–	SPACE	24
25	SPACE	–	–	–			–	–	–	SPACE	26
27	SPACE	–	–	–			–	–	–	SPACE	28
29	SPACE	–	–	–			–	–	–	SPACE	30
31	SPACE	–	–	–			–	–	–	SPACE	32
33	SPACE	–	–	–			–	–	–	SPACE	34
35	SPACE	–	–	–			–	–	–	SPACE	36
37	SPACE	–	–	–			–	–	–	SPACE	38
39	SPACE	–	–	–			20/2	#8	–	TVSS	40
41	SPACE	–	–	–			–	–	–	–	42

NOTE: PROVIDE 2 SETS: (2) 600KCMIL, 600KCMIL N, 3/0G, 4"C FROM TRANSFORMER TO PANEL..

PANEL SCHEDULE

PANEL: 1–7D | VOLTS: 240/120 | PHASE: 1 | WIRE: 3
MAIN RATING: 800 AMPS | MCB: 800 AMPS | MIN AIC RATING: 35 KAIC AMPS RMS SYM.
MOUNTING: SURFACE | OTHER: IN ENCL., TOP FEED | LOCATION: ADJACENT TO XFMR 1–7D

CKT. NO.	LOAD DESCRIPTION	LOAD	WIRE SIZE	TRIP	PHASE A	PHASE B	TRIP	WIRE SIZE	LOAD	LOAD DESCRIPTION	CKT. NO.
1	ROW 6 5 SITES	17500	3/0	200/2			200/2	3/0	15600	ROW 6 5 SITES	2
3	–	17500	–	–			–	–	15600	–	4
5	ROW 6 4 SITES	14400	2/0	175/2			200/2	3/0	17500	ROW 6 6 SITES	6
7	–	14400	–	–			–	–	17500	–	8
9	MIDWAY ROW 4 SITES	14400	2/0	175/2			200/2	–	–	SPARE	10
11	–	14400	–	–			–	–	–	–	12
13	SPARE	–	–	175/2			175/2	–	–	SPARE	14
15	–	–	–	–			–	–	–	–	16
17	SPARE	–	–	150/2			150/2	–	–	SPARE	18
19	–	–	–	–			–	–	–	–	20
21	SPACE	–	–	–			–	–	–	SPACE	22
23	SPACE	–	–	–			–	–	–	SPACE	24
25	SPACE	–	–	–			–	–	–	SPACE	26
27	SPACE	–	–	–			–	–	–	SPACE	28
29	SPACE	–	–	–			–	–	–	SPACE	30
31	SPACE	–	–	–			–	–	–	SPACE	32
33	SPACE	–	–	–			–	–	–	SPACE	34
35	SPACE	–	–	–			–	–	–	SPACE	36
37	SPACE	–	–	–			–	–	–	SPACE	38
39	SPACE	–	–	–			20/2	#8	–	TVSS	40
41	SPACE	–	–	–			–	–	–	–	42

NOTE: PROVIDE 2 SETS: (2) 600KCMIL, 600KCMIL N, 3/0G, 4"C FROM TRANSFORMER TO PANEL.

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER / CAT #	V	LAMPS #	LAMPS TYPE	REMARKS
F1	LENSED LED STRIPLIGHT. 4000 LUMENS, 42 WATTS.	METALUX #4SLSTP4040DD–120V	120	–	LED	–
F2	4 FOOT LONG, 4" WIDE WALL BRACKET FOR ABOVE MIRRORS. ALUMINUM HOUSING. 2800 LUMENS, 29 WATTS.	METALUX #4BCLEDLD428HLFUNV1	120–277	–	LED	–
F3	1X4 RECESSED LED FIXTURE. ALUMINUM FRAME, .156 INCH THICK LENS, TRIPLE GASKETED. 3200 LUMENS, 33 WATTS.	COOPER #14GRFALD432A19/156UNVL8351G3	120–277	–	LED	–
F4	8' LENSED WET LOCATION STRIPLIGHT. DARK BRONZE WALL MOUNTED. 5500 LUMENS, 75 WATTS.	BIRCHWOOD LIGHTING #VAN–LED–400–CLO–230–40–8–DR –CUPSTND–FW–120EB	120	–	LED	–
F5	4' LENSED WET LOCATION STRIPLIGHT. DARK BRONZE WALL MOUNTED. 2700 LUMENS, 38 WATTS.	BIRCHWOOD LIGHTING #VAN–LED–400–CLO–230–40–4–DR –CUPSTND–FW–120EB	120	–	LED	–
D1	6" APERTURE LED DOWNLIGHT, CLEAR REFLECTOR WHITE FLANGE. 1500 LUMENS, 17 WATTS.	COOPER HALO #PD615ED010PDM6A835 – 61VW	120–277	–	–	–
ELU	LED EMERGENCY LIGHTING UNIT WITH ADJUSTABLE HEADS.	EMERGI–LITE #EL–2MRS–LG	120–277	–	–	–
ELU1	EXTERIOR EGRESS LED EMERGENCY LIGHTING UNIT	EMERGI–LITE #BZLUXSD–CW	120–277	–	–	–
X1	LED THERMOPLASTIC EXIT SIGN. UNIVERSAL MOUNT, FIELD CONVERTIBLE TO DUAL FACE.	EMERGI–LITE #WPREMDNR	120–277	–	–	–
X2	COMBINATION LED EXIT AND EMERGENCY LIGHTING UNIT.	EMERGI–LITE #WPR612M1R2LA	120–277	–	–	–
LP1	CAST ALUMINUM LED ACORN, 5000 LUMEN, TYPE 3 OPTICS, ACRYLIC GLOBE, 12' ALUMINUM 4" ROUND STRAIGHT FLUTED POLE	PHILLIPS HADCO #VL71–42–A–40–3–N–N–A; OR EQUAL POLE: PHILLIPS HADCO #P2061–12–A–B–G WITH #HFP310–P4–A–N–PM ARM; OR EQUAL	120–277	–	LED	–
LP2	CAST ALUMINUM LED TEARDROP, 5000 LUMEN, TYPE 3 OPTICS, ACRYLIC LONG GLOBE, 18' ALUMINUM 5" ROUND STRAIGHT FLUTED POLE WITH GOOSENECK ARM	PHILLIPS HADCO #TXF9–P–A–KL–3–N–A–5–N–S; OR EQUAL POLE: PHILLIPS HADCO #P2165–18–A–B–G; OR EQUAL	120–277	–	LED	–
LP3	FLUTED 50"H, 13" DIA. CAST ALUMINUM BOLLARD WITH 25W LED TOP CYLINDER AND CLEAR ACRYLIC LENS	SPRING CITY ELECTRICAL #ABDPRC–12–4.17–AC–LT–LE025–V8–YCLO –323 –1NW–CB; OR EQUAL	208	–	LED	–
LP4	CAST ALUMINUM LED POST TOP LANTERN, 4500 LUMEN, TYPE 3 OPTICS, ACRYLIC GLOBE, 12' ALUMINUM 4" ROUND STRAIGHT FLUTED POLE	PHILLIPS LUMEC #VLR–29L700WW–G1–ACDR–C–3–UNV–CAGE–FN11–BKTX; OR EQUAL POLE: PHILLIPS HADCO #P2061–12–A–B–G WITH #HFP310–P4–A–N–PM ARM; OR EQUAL	120–277	–	LED	–
LP5	LED HIGH MAST LIGHTING SYSTEM, 100 FT POLE, 4 – 500WATT LED FIXTURES, WINCH AND RING FOR ACCESS AND MAINTENANCE. 500 WATTS PER FIXTURE, 60,000 LUMENS PER FIXTURE.	HOLOPHANE #HMLED–12–4K–AS–G–AW–P3–PC33	208	–	LED	PROVIDE (1) PORTABLE DRIVE MOTOR FOR CABLE RING WINCH.
LP6	(NOT USED)	(NOT USED)	–	–	–	–

1

PANEL SCHEDULE

PANEL: RV1 | VOLTS: 120/208 | PHASE: 3 | WIRE: 4
MAIN RATING: 600 AMPS | MCB: 600 AMPS | MIN AIC RATING: 18 KAIC AMPS RMS SYM.
MOUNTING: SURFACE | OTHER: | LOCATION: UTILITY RM 107

CKT. NO.	LOAD DESCRIPTION	LOAD	WIRE SIZE	TRIP	PHASE A	PHASE B	TRIP	WIRE SIZE	LOAD	LOAD DESCRIPTION	CKT. NO.
1	PANEL RV	–	–	225/3			100/3	–	–	SPARE	2
3	–	–	–	–			–	–	–	–	4
5	–	–	–	–			–	–	–	–	6
7	MAU–1	–	–	175/3			175/3	–	–	MAU–1	8
9	–	–	–	–			–	–	–	–	10
11	–	–	–	–			–	–	–	–	12
13	ENERGY METER	50	#12	20/3			–	–	–	SPACE	14
15	–	50	–	–			–	–	–	SPACE	16
17	–	50	–	–			–	–	–	SPACE	18
19	SPACE	–	–	–			–	–	–	SPACE	20
21	SPACE	–	–	–			–	–	–	SPACE	22
23	SPACE	–	–	–			–	–	–	SPACE	24
25	SPACE	–	–	–			–	–	–	SPACE	26
27	SPACE	–	–	–			–	–	–	SPACE	28
29	SPACE	–	–	–			–	–	–	SPACE	30
31	SPACE	–	–	–			–	–	–	SPACE	32
33	SPACE	–	–	–			–	–	–	SPACE	34
35	SPACE	–	–	–			–	–	–	SPACE	36
37	SPACE	–	–	–			–	–	–	SPACE	38
39	SPACE	–	–	–			–	–	–	SPACE	40
41	SPACE	–	–	–			–	–	–	SPACE	42

NOTES:

1. "OR APPROVED EQUAL" APPLIES TO ALL LIGHT FIXTURES SPECIFIED U.O.N.
2. ALL INTERIOR LED LIGHT SOURCES OR LAMPS SHALL BE 3500'K AND MINIMUM 85 CRI RATED. EXTERIOR LED LIGHT SOURCES SHALL BE 4000K AND MINIMUM 80CRI RATED.
3. ALL LED FIXTURES MUST BE ON THE "ENERGY STAR" OR "DLC" QUALIFIED PRODUCTS LISTS.

RV PARK AND MIDWAY PANEL NOTES:

1. PROVIDE TYPED PANEL SCHEDULE FOR EACH PANEL.
2. FOR EACH FEEDER LIST THE SITE NUMBERS CONNECTED TO THAT FEEDER.
3. FOR STREET LIGHT AND RECEPTACLE CIRCUITS LIST THE POLE NUMBER.

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

Engineering and Land Surveying, P.C.

SAGE ENGINEERING ASSOCIATES, LLP

WARNING:
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CONTRACT: CONSTRUCTION

TITLE: PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION: NYS FAIRGROUNDS 581 STATE FAIR BOULEVARD SYRACUSE, NY 13209

CLIENT: NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/15	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

PROJECT NUMBER: 45331 – C
DESIGNED BY: MOM
DRAWN BY: JRT
FIELD CHECK:
APPROVED:
SHEET TITLE: SCHEDULES

DRAWING NUMBER: E–603

SHEET OF

PANEL SCHEDULE

PANEL: 1–10A VOLTS: 240/120 PHASE: 1 WIRE: 3
MAIN RATING: 800 AMPS MCB: 800 AMPS MIN AIC RATING: 35 KAIC AMPS RMS SYM.
MOUNTING: SURFACE OTHER: IN ENCL., TOP FEED LOCATION: ADJACENT TO XFMR 1–10A

CKT. NO.	LOAD DESCRIPTION	LOAD	WIRE SIZE	TRIP	PHASE A	PHASE B	TRIP	WIRE SIZE	LOAD	LOAD DESCRIPTION	CKT. NO.
1	ROW 12 3 SITES	12250	1/0	150/2			200/2	3/0	15600	ROW 12 5 SITES	2
3	–	12250	–	–			–	–	15600	–	4
5	ROW 12 5 SITES	15600	3/0	200/2			200/2	3/0	15600	ROW 12 5 SITES	6
7	–	15600	–	–			–	–	15600	–	8
9	ROW 13 4 SITES	14400	2/0	175/2			175/2	2/0	14400	ROW 13 4 SITES	10
11	–	14400	–	–			–	–	14400	–	12
13	SPARE	–	–	200/2			200/2	–	–	SPARE	14
15	–	–	–	–			–	–	–	–	16
17	SPACE	–	–	–			–	–	–	SPACE	18
19	SPACE	–	–	–			–	–	–	SPACE	20
21	SPACE	–	–	–			–	–	–	SPACE	22
23	SPACE	–	–	–			–	–	–	SPACE	24
25	SPACE	–	–	–			–	–	–	SPACE	26
27	SPACE	–	–	–			–	–	–	SPACE	28
29	SPACE	–	–	–			–	–	–	SPACE	30
31	SPACE	–	–	–			–	–	–	SPACE	32
33	SPACE	–	–	–			–	–	–	SPACE	34
35	SPACE	–	–	–			–	–	–	SPACE	36
37	STREET LIGHTS POLE # AND POLE #	60	8	20/2			–	–	–	SPACE	38
39	–	60	–	–			20/2	#8	–	TVSS	40
41	RECEPTACLE POLE #	200	8	20/1			–	–	–	–	42

NOTE: PROVIDE 2 SETS: (2) 600KCMIL, 600KCMIL N, 3/0G, 4"C FROM TRANSFORMER TO PANEL.

PANEL SCHEDULE

PANEL: 1–10C VOLTS: 208Y/120 PHASE: 3 WIRE: 4
MAIN RATING: 600 AMPS MCB: 600 AMPS MIN AIC RATING: 18 KAIC AMPS RMS SYM.
MOUNTING: SURFACE OTHER: IN ENCL., TOP FEED, FTL LOCATION: ADJACENT TO XFMR 1–10C

CKT. NO.	LOAD DESCRIPTION	LOAD	WIRE SIZE	TRIP	PHASE A	PHASE B	PHASE C	TRIP	WIRE SIZE	LOAD	LOAD DESCRIPTION	CKT. NO.
1	SPARE	–	–	200/3				200/3	–	–	SPARE	2
3	–	–	–	–				–	–	–	–	4
5	–	–	–	–				–	–	–	–	6
7	SPARE	–	–	175/3				175/3	–	–	SPARE	8
9	–	–	–	–				–	–	–	–	10
11	–	–	–	–				–	–	–	–	12
13	SPARE	–	–	150/3				150/3	–	–	SPARE	14
15	–	–	–	–				–	–	–	–	16
17	–	–	–	–				–	–	–	–	18
19	SPACE	–	–	–				–	–	–	SPACE	20
21	SPACE	–	–	–				–	–	–	SPACE	22
23	SPACE	–	–	–				–	–	–	SPACE	24
25	SPACE	–	–	–				–	–	–	SPACE	26
27	SPACE	–	–	–				–	–	–	SPACE	28
29	SPACE	–	–	–				–	–	–	SPACE	30
31	SPACE	–	–	–				–	–	–	SPACE	32
33	SPACE	–	–	–				–	–	–	SPACE	34
35	SPACE	–	–	–				–	–	–	SPACE	36
37	SPACE	–	–	–				20/3	#8	–	TVSS	38
39	SPACE	–	–	–				–	–	–	–	40
41	SPACE	–	–	–				–	–	–	–	42

FEED THROUGH LUGS

NOTE: PROVIDE 2 SETS: 3–350KCMIL, 350KCMIL N, 2/0G, 4"C FROM TRANSFORMER TO PANEL.
PROVIDE 2 SETS: 3–350KCMIL, 350KCMIL N, 2/0G, 4"C FROM FEED THROUGH LUGS TO PANEL RV REST ROOMS.

PANEL SCHEDULE

PANEL: 1–10E VOLTS: 208/120 PHASE: 3 WIRE: 4
MAIN RATING: 400 AMPS MCB: 400 AMPS MIN AIC RATING: 18 KAIC AMPS RMS SYM.
MOUNTING: SURFACE OTHER: IN ENCL., TOP FEED LOCATION: ADJACENT TO XFMR 1–10E

CKT. NO.	LOAD DESCRIPTION	LOAD	WIRE SIZE	TRIP	PHASE A	PHASE B	PHASE C	TRIP	WIRE SIZE	LOAD	LOAD DESCRIPTION	CKT. NO.
1	GROUND PANEL 13	18000	4/0	200/3				200/3	400	18000	GROUND PANEL 14	2
3	–	18000	–	–				–	–	18000	–	4
5	–	18000	–	–				–	–	18000	–	6
7	–	–	–	200/3				200/3	–	–	–	8
9	SPARE	–	–	–				–	–	–	SPARE	10
11	–	–	–	–				–	–	–	–	12
13	–	–	–	–				–	–	–	–	14
15	SPACE	–	–	–				–	–	–	SPACE	16
17	SPACE	–	–	–				–	–	–	SPACE	18
19	SPACE	–	–	–				–	–	–	SPACE	20
21	SPACE	–	–	–				–	–	–	SPACE	22
23	SPACE	–	–	–				–	–	–	SPACE	24
25	SPACE	–	–	–				–	–	–	SPACE	26
27	SPACE	–	–	–				–	–	–	SPACE	28
29	SPACE	–	–	–				–	–	–	SPACE	30
31	SPACE	–	–	–				–	–	–	SPACE	32
33	SPACE	–	–	–				–	–	–	SPACE	34
35	SPACE	–	–	–				–	–	–	SPACE	36
37	SPACE	–	–	–				20/3	#8	–	TVSS	38
39	SPACE	–	–	–				–	–	–	–	40
41	SPACE	–	–	–				–	–	–	–	42

NOTE: PROVIDE (3) 500KCMIL, 500KCMIL N, 1/0G, 4"C FROM TRANSFORMER TO PANEL.

PANEL SCHEDULE

PANEL: 1–10B VOLTS: 240/120 PHASE: 1 WIRE: 3
MAIN RATING: 800 AMPS MCB: 800 AMPS MIN AIC RATING: 35 KAIC AMPS RMS SYM.
MOUNTING: SURFACE OTHER: IN ENCL., TOP FEED LOCATION: ADJACENT TO XFMR 1–10B

CKT. NO.	LOAD DESCRIPTION	LOAD	WIRE SIZE	TRIP	PHASE A	PHASE B	TRIP	WIRE SIZE	LOAD	LOAD DESCRIPTION	CKT. NO.
1	ROW 12 5 SITES	15600	3/0	200/2			200/2	3/0	15600	ROW 12 5 SITES	2
3	–	15600	–	–			–	–	15600	–	4
5	ROW 12 4 SITES	14400	2/0	200/2			175/2	2/0	14400	ROW 13 4 SITES	6
7	–	14400	–	–			–	–	14400	–	8
9	ROW 13 3 SITES	12250	1/0	150/2			200/2	–	–	SPARE	10
11	–	12250	–	–			–	–	–	–	12
13	MIDWAY ROW 4 SPACES	14400	2/0	175/2			200/2	–	–	SPARE	14
15	SPACE	14400	–	–			–	–	–	–	16
17	SPACE	–	–	–			–	–	–	SPACE	18
19	SPACE	–	–	–			–	–	–	SPACE	20
21	SPACE	–	–	–			–	–	–	SPACE	22
23	SPACE	–	–	–			–	–	–	SPACE	24
25	SPACE	–	–	–			–	–	–	SPACE	26
27	SPACE	–	–	–			–	–	–	SPACE	28
29	SPACE	–	–	–			–	–	–	SPACE	30
31	SPACE	–	–	–			–	–	–	SPACE	32
33	SPACE	–	–	–			–	–	–	SPACE	34
35	SPACE	–	–	–			–	–	–	SPACE	36
37	SPACE	–	–	–			–	–	–	SPACE	38
39	SPACE	–	–	–			20/2	#8	–	TVSS	40
41	SPACE	–	–	–			–	–	–	–	42

NOTE: PROVIDE 2 SETS: (2) 600KCMIL, 600KCMIL N, 3/0G, 4"C FROM TRANSFORMER TO PANEL.

PANEL SCHEDULE

PANEL: 1–10D VOLTS: 208Y/120 PHASE: 3 WIRE: 4
MAIN RATING: 1200 AMPS MCB: 1000 AMPS MIN AIC RATING: 22 KAIC AMPS RMS SYM.
MOUNTING: SURFACE OTHER: IN ENCL., TOP FEED LOCATION: ADJACENT TO XFMR 1–10D

CKT. NO.	LOAD DESCRIPTION	LOAD	WIRE SIZE	TRIP	PHASE A	PHASE B	PHASE C	TRIP	WIRE SIZE	LOAD	LOAD DESCRIPTION	CKT. NO.
1	GROUND PANEL 7	18000	4/0	200/3				200/3	4/0	18000	GROUND PANEL 8	2
3	–	18000	–	–				–	–	18000	–	4
5	–	18000	–	–				–	–	18000	–	6
7	GROUND PANEL 9	18000	4/0	200/3				200/3	400	18000	GROUND PANEL 10	8
9	–	18000	–	–				–	–	18000	–	10
11	–	18000	–	–				–	–	18000	–	12
13	GROUND PANEL 11	18000	400	200/3				200/3	400	18000	GROUND PANEL 12	14
15	–	18000	–	–				–	–	18000	–	16
17	–	18000	–	–				–	–	18000	–	18
19	SPARE	–	–	200/3				200/3	–	–	SPARE	20
21	–	–	–	–				–	–	–	–	22
23	–	–	–	–				–	–	–	–	24
25	SPACE	–	–	–				–	–	–	SPACE	26
27	SPACE	–	–	–				–	–	–	SPACE	28
29	SPACE	–	–	–				–	–	–	SPACE	30
31	SPACE	–	–	–				–	–	–	SPACE	32
33	SPACE	–	–	–				–	–	–	SPACE	34
35	SPACE	–	–	–				–	–	–	SPACE	36
37	STREET LIGHTS POLE # AND POLE #	60	8	20/2				20/3	#8	–	TVSS	38
39		60	–	–				–	–	–	–	40
41	RECEPTACLE POLE #	200	8	20/1				–	–	–	–	42

NOTE: PROVIDE 3 SETS: (3) 400KCMIL, 400KCMIL N, 3/0G, 3"C FROM TRANSFORMER TO PANEL.

PANEL SCHEDULE

PANEL: 2–4 VOLTS: 208/120 PHASE: 3 WIRE: 4
MAIN RATING: 800 AMPS MCB: 800 AMPS MIN AIC RATING: 18 KAIC AMPS RMS SYM.
MOUNTING: SURFACE OTHER: IN ENCL., TOP FEED LOCATION: ADJACENT TO XFMR 2–4

CKT. NO.	LOAD DESCRIPTION	LOAD	WIRE SIZE	TRIP	PHASE A	PHASE B	PHASE C	TRIP	WIRE SIZE	LOAD	LOAD DESCRIPTION	CKT. NO.
1	GROUND PANEL 15	18000	4/0	200/3				200/3	4/0	18000	GROUND PANEL 16	2
3	–	18000	–	–				–	–	18000	–	4
5	–	18000	–	–				–	–	18000	–	6
7	GROUND PANEL 17	18000	4/0	200/3				200/3	400	18000	GROUND PANEL 18	8
9	–	18000	–	–				–	–	18000	–	10
11	–	18000	–	–				–	–	18000	–	12
13	GROUND PANEL 19	18000	400	200/3				200/3	–	–	SPARE	14
15	–	18000	–	–				–	–	–	–	16
17	–	18000	–	–				–	–	–	–	18
19	SPARE	–	–	200/3				–	–	–	SPACE	20
21	SPACE	–	–	–				–	–	–	SPACE	22
23	SPACE	–	–	–				–	–	–	SPACE	24
25	SPACE	–	–	–				–	–	–	SPACE	26
27	SPACE	–	–	–				–	–	–	SPACE	28
29	SPACE	–	–	–				–	–	–	SPACE	30
31	SPACE	–	–	–				–	–	–	SPACE	32
33	SPACE	–	–	–				–	–	–	SPACE	34
35	SPACE	–	–	–				–	–	–	SPACE	36
37	SPACE	–	–	–				20/3	#8	–	TVSS	38
39	SPACE	–	–	–				–	–	–	–	40
41	SPACE	–	–	–				–	–	–	–	42

NOTE: PROVIDE 2 SETS – (3) 500KCMIL, 500KCMIL N, 1/0G, 4"C FROM TRANSFORMER TO PANEL.

PANEL SCHEDULE

PANEL: 3–2 VOLTS: 208/120 PHASE: 3 WIRE: 4
MAIN RATING: 800 AMPS MCB: 800 AMPS MIN AIC RATING: 18 KAIC AMPS RMS SYM.
MOUNTING: SURFACE OTHER: IN ENCL., TOP FEED LOCATION: ADJACENT TO XFMR 3–2

CKT. NO.	LOAD DESCRIPTION	LOAD	WIRE SIZE	TRIP	PHASE A	PHASE B	PHASE C	TRIP	WIRE SIZE	LOAD	LOAD DESCRIPTION	CKT. NO.
1	GROUND PANEL 20	18000	4/0	200/3				200/3	4/0	18000	GROUND PANEL 21	2
3	–	18000	–	–				–	–	18000	–	4
5	–	18000	–	–				–	–	18000	–	6
7	GROUND PANEL 22	18000	400	200/3				200/3	400	18000	GROUND PANEL 23	8
9	–	18000	–	–				–	–	18000	–	10
11	–	18000	–	–				–	–	18000	–	12
13	GROUND PANEL 24	18000	500	200/3				200/3	600	18000	GROUND PANEL 25	14
15	–	18000	–	–				–	–	18000	–	16
17	–	18000	–	–				–	–	18000	–	18
19	SPARE	–	–	200/3				200/3	–	–	SPARE	20
21	SPACE	–	–	–				–	–	–	–	22
23	SPACE	–	–	–				–	–	–	–	24
25	SPACE	–	–	–				–	–	–	SPACE	26
27	SPACE	–	–	–				–	–	–	SPACE	28
29	SPACE	–	–	–				–	–	–	SPACE	30
31	SPACE	–	–	–				–	–	–	SPACE	32
33	SPACE	–	–	–				–	–	–	SPACE	34
35	SPACE	–	–	–				–	–	–	SPACE	36
37	SPACE	–	–	–				20/3	#8	–	TVSS	38
39	SPACE	–	–	–				–	–	–	–	40
41	SPACE	–	–	–				–	–	–	–	42

RV PARK AND MIDWAY PANEL NOTES:

1. PROVIDE TYPED PANEL SCHEDULE FOR EACH PANEL.
2. FOR EACH FEEDER LIST THE SITE NUMBERS CONNECTED TO THAT FEEDER.
3. FOR STREET LIGHT AND RECEPTACLE CIRCUITS LIST THE POLE NUMBER.
4. PROVIDE MIDWAY GP (GROUND PANELS) WITH FACTORY–WIRED GROUND FAULT RECEPTACLES WITH WEATHER PROOF WHILE IN USE COVERS.

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/15	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

PROJECT NUMBER: 45331 – C
DESIGNED BY: MOM
DRAWN BY: JRT
FIELD CHECK:
APPROVED:
SHEET TITLE: SCHEDULES
DRAWING NUMBER: E–605
SHEET OF

PANEL SCHEDULE

PANEL: GP-12 VOLTS: 208Y/120 PHASE: 3 WIRE: 4
MAIN RATING: 250 AMPS MCB: 200 AMPS MIN AIC RATING: 18 KAIC AMPS RMS SYM.
MOUNTING: SURFACE OTHER: IN ENCL., TOP FEED LOCATION: MIDWAY

CKT. NO.	LOAD DESCRIPTION	LOAD	WIRE SIZE	TRIP	PHASE A	PHASE B	PHASE C	TRIP	WIRE SIZE	LOAD	LOAD DESCRIPTION	CKT. NO.
1	SPARE	–	–	100/3				100/3	–	–	VENDOR PIN AND SLEEVE RECEPTACLE	2
3	–	–	–	–				–	–	–	–	4
5	SPARE	–	–	100/3				–	–	–	–	6
7	–	–	–	–				100/2	–	–	SPARE	8
9	SPARE	–	–	100/3				–	–	–	–	10
11	–	–	–	–				100/2	–	–	SPARE	12
13	SIDE MOUNTED GFCI RECEPTACLE	200	12	20/1				–	–	–	–	14
15	SIDE MOUNTED GFCI RECEPTACLE	200	12	20/1				20/1	12	200	SIDE MOUNTED GFCI RECEPTACLE	16
17	SIDE MOUNTED GFCI RECEPTACLE	200	12	20/1				20/1	12	200	SIDE MOUNTED GFCI RECEPTACLE	18
19	SIDE MOUNTED GFCI RECEPTACLE	200	12	20/1				20/1	12	200	SIDE MOUNTED GFCI RECEPTACLE	20
21	SIDE MOUNTED GFCI RECEPTACLE	200	12	20/1				20/1	12	200	SIDE MOUNTED GFCI RECEPTACLE	22
23	SPARE	–	–	50/2				–	–	–	–	24
25	–	–	–	–				50/2	–	–	SPARE	26
27	SPARE	–	–	30/2				–	–	–	–	28
29	–	–	–	–				30/2	–	–	SPARE	30
31	SPARE	–	–	20/1				–	–	–	–	32
33	SPARE	–	–	20/1				20/1	–	–	SPARE	34
35	SPARE	–	–	20/1				20/1	–	–	SPARE	36
37	POLE LIGHTING	120	#4	20/2				20/1	–	–	SPARE	38
39	–	120	–	–				20/1	–	–	SPARE	40
41	POLE RECEPTACLE	200	#4	20/1				20/1	–	–	SPARE	42

PANEL SCHEDULE

PANEL: GP-13 VOLTS: 208Y/120 PHASE: 3 WIRE: 4
MAIN RATING: 250 AMPS MCB: 200 AMPS MIN AIC RATING: 18 KAIC AMPS RMS SYM.
MOUNTING: SURFACE OTHER: IN ENCL., TOP FEED LOCATION: MIDWAY

CKT. NO.	LOAD DESCRIPTION	LOAD	WIRE SIZE	TRIP	PHASE A	PHASE B	PHASE C	TRIP	WIRE SIZE	LOAD	LOAD DESCRIPTION	CKT. NO.
1	SPARE	–	–	100/2				100/3	–	–	VENDOR PIN AND SLEEVE RECEPTACLE	2
3	–	–	–	–				–	–	–	–	4
5	SPARE	–	–	100/2				–	–	–	–	6
7	–	–	–	–				100/2	–	–	SPARE	8
9	SPARE	–	–	100/2				–	–	–	–	10
11	–	–	–	–				100/2	–	–	SPARE	12
13	SIDE MOUNTED GFCI RECEPTACLE	200	12	20/1				–	–	–	–	14
15	SIDE MOUNTED GFCI RECEPTACLE	200	12	20/1				20/1	12	200	SIDE MOUNTED GFCI RECEPTACLE	16
17	SIDE MOUNTED GFCI RECEPTACLE	200	12	20/1				20/1	12	200	SIDE MOUNTED GFCI RECEPTACLE	18
19	SIDE MOUNTED GFCI RECEPTACLE	200	12	20/1				20/1	12	200	SIDE MOUNTED GFCI RECEPTACLE	20
21	SIDE MOUNTED GFCI RECEPTACLE	200	12	20/1				20/1	12	200	SIDE MOUNTED GFCI RECEPTACLE	22
23	SPARE	–	–	50/2				–	–	–	–	24
25	–	–	–	–				50/2	–	–	SPARE	26
27	SPARE	–	–	30/2				–	–	–	–	28
29	–	–	–	–				30/2	–	–	SPARE	30
31	SPARE	–	–	20/1				–	–	–	–	32
33	SPARE	–	–	20/1				20/1	–	–	SPARE	34
35	SPARE	–	–	20/1				20/1	–	–	SPARE	36
37	POLE LIGHTING	240	4	20/2				20/1	–	–	SPARE	38
39	–	240	–	–				20/2	#10	1000	MIDWAY MAST LIGHTING	40
41	POLE RECEPTACLES	400	4	20/1				–		1000	–	42

PANEL SCHEDULE

PANEL: GP-14 VOLTS: 208Y/120 PHASE: 3 WIRE: 4
MAIN RATING: 250 AMPS MCB: 200 AMPS MIN AIC RATING: 18 KAIC AMPS RMS SYM.
MOUNTING: SURFACE OTHER: IN ENCL., TOP FEED LOCATION: MIDWAY

CKT. NO.	LOAD DESCRIPTION	LOAD	WIRE SIZE	TRIP	PHASE A	PHASE B	PHASE C	TRIP	WIRE SIZE	LOAD	LOAD DESCRIPTION	CKT. NO.
1	SPARE	–	–	100/2				100/3	–	–	VENDOR PIN AND SLEEVE RECEPTACLE	2
3	–	–	–	–				–	–	–	–	4
5	SPARE	–	–	100/2				–	–	–	–	6
7	–	–	–	–				100/2	–	–	SPARE	8
9	SPARE	–	–	100/2				–	–	–	–	10
11	–	–	–	–				100/2	–	–	SPARE	12
13	SIDE MOUNTED GFCI RECEPTACLE	200	12	20/1				–	–	–	–	14
15	SIDE MOUNTED GFCI RECEPTACLE	200	12	20/1				20/1	12	200	SIDE MOUNTED GFCI RECEPTACLE	16
17	SIDE MOUNTED GFCI RECEPTACLE	200	12	20/1				20/1	12	200	SIDE MOUNTED GFCI RECEPTACLE	18
19	SIDE MOUNTED GFCI RECEPTACLE	200	12	20/1				20/1	12	200	SIDE MOUNTED GFCI RECEPTACLE	20
21	SIDE MOUNTED GFCI RECEPTACLE	200	12	20/1				20/1	12	200	SIDE MOUNTED GFCI RECEPTACLE	22
23	SPARE	–	–	50/2				–	–	–	–	24
25	–	–	–	–				50/2	–	–	SPARE	26
27	SPARE	–	–	30/2				–	–	–	–	28
29	–	–	–	–				30/2	–	–	SPARE	30
31	POLE LIGHTING	240	4	20/2				–	–	–	–	32
33	–	240	–	–				20/1	–	–	SPARE	34
35	POLE RECEPTACLES	400	4	20/1				20/1	–	–	SPARE	36
37	POLE LIGHTING	150	4	20/2				20/2	4	120	POLE LIGHTING	38
39	–	150	–	–				–	–	120	–	40
41	POLE RECEPTACLE	200	4	20/1				20/1	4	200	POLE RECEPTACLE	42

1

PANEL SCHEDULE

PANEL: (TYPICAL GP-15 – GP-31) VOLTS: 208Y/120 PHASE: 3 WIRE: 4
MAIN RATING: 250 AMPS MCB: 200 AMPS MIN AIC RATING: 18 KAIC AMPS RMS SYM.
MOUNTING: SURFACE OTHER: IN ENCL., TOP FEED LOCATION: MIDWAY

CKT. NO.	LOAD DESCRIPTION	LOAD	WIRE SIZE	TRIP	PHASE A	PHASE B	PHASE C	TRIP	WIRE SIZE	LOAD	LOAD DESCRIPTION	CKT. NO.
1	SPARE	–	–	100/3				100/3	–	–	VENDOR PIN AND SLEEVE RECEPTACLE	2
3	–	–	–	–				–	–	–	–	4
5	SPARE	–	–	100/3				–	–	–	–	6
7	–	–	–	–				100/2	–	–	SPARE	8
9	SPARE	–	–	100/3				–	–	–	–	10
11	–	–	–	–				100/2	–	–	SPARE	12
13	SIDE MOUNTED GFCI RECEPTACLE	200	12	20/1				–	–	–	–	14
15	SIDE MOUNTED GFCI RECEPTACLE	200	12	20/1				20/1	12	200	SIDE MOUNTED GFCI RECEPTACLE	16
17	SIDE MOUNTED GFCI RECEPTACLE	200	12	20/1				20/1	12	200	SIDE MOUNTED GFCI RECEPTACLE	18
19	SIDE MOUNTED GFCI RECEPTACLE	200	12	20/1				20/1	12	200	SIDE MOUNTED GFCI RECEPTACLE	20
21	SIDE MOUNTED GFCI RECEPTACLE	200	12	20/1				20/1	12	200	SIDE MOUNTED GFCI RECEPTACLE	22
23	SPARE	–	–	50/2				–	–	–	–	24
25	–	–	–	–				50/2	–	–	SPARE	26
27	SPARE	–	–	30/2				–	–	–	–	28
29	–	–	–	–				30/2	–	–	SPARE	30
31	SPARE	–	–	20/1				–	–	–	–	32
33	SPARE	–	–	20/1				20/1	–	–	SPARE	34
35	SPARE	–	–	20/1				20/1	–	–	SPARE	36
37	SPARE	–	–	20/1				20/1	–	–	SPARE	38
39	SPARE	–	–	20/1				20/1	–	–	SPARE	40
41	SPARE	–	–	20/1				20/1	–	–	SPARE	42

RV PARK AND MIDWAY PANEL NOTES:

1. PROVIDE TYPED PANEL SCHEDULE FOR EACH PANEL.
2. FOR EACH FEEDER LIST THE SITE NUMBERS CONNECTED TO THAT FEEDER.
3. FOR STREET LIGHT AND RECEPTACLE CIRCUITS LIST THE POLE NUMBER.
4. PROVIDE MIDWAY GP (GROUND PANELS) WITH FACTORY–WIRED GROUND FAULT RECEPTACLES WITH WEATHER PROOF WHILE IN USE COVERS.

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

Engineering and Land Surveying, P.C.

SAGE ENGINEERING ASSOCIATES, LLP

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/15	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

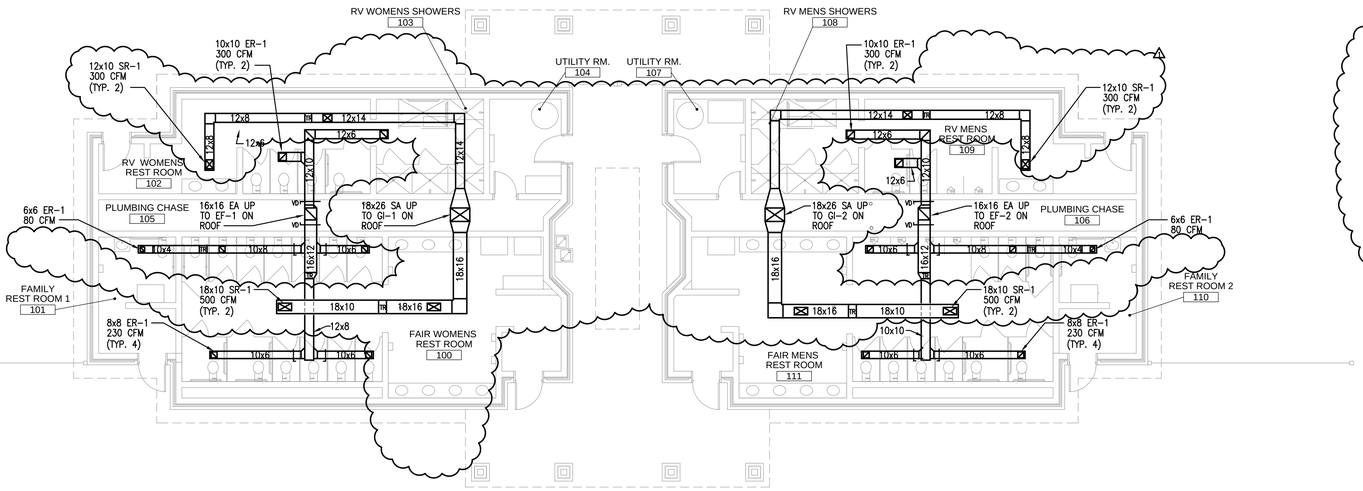
PROJECT NUMBER: 45331 – C

DESIGNED BY: MOM
DRAWN BY: JRT
FIELD CHECK:
APPROVED:

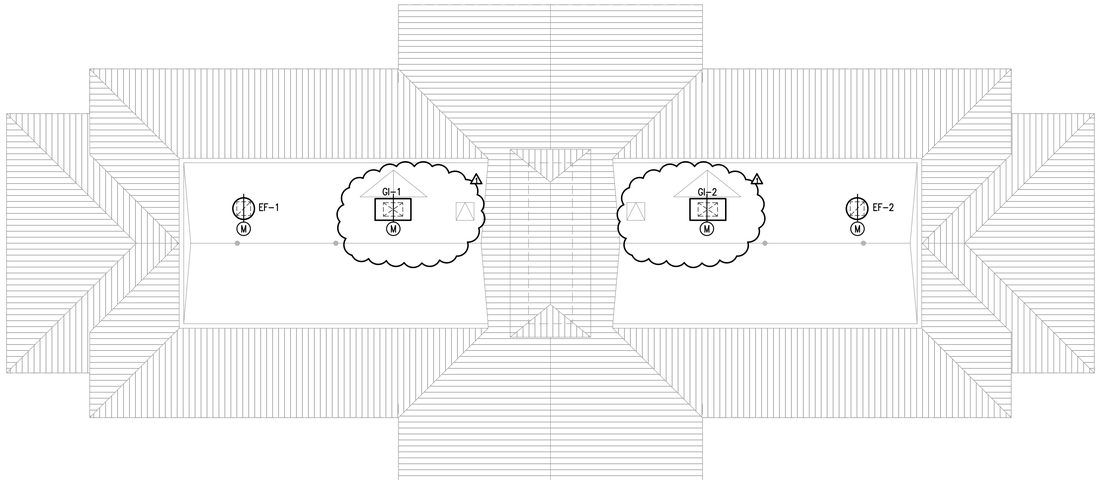
SHEET TITLE:
SCHEDULES

DRAWING NUMBER:
E–607

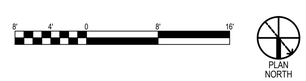
SHEET OF



1 M-101 MIDWAY BATHROOM INSTALLATION PLAN
SCALE: 1/8"=1'-0"



2 M-101 MIDWAY BATHROOM ROOF PLAN
SCALE: 1/8"=1'-0"



GENERAL NOTES:

1. EXHAUST FANS AND GRAVITY INTAKE HOODS ARE CONTROLLED VIA OCCUPANCY SENSORS, REFER TO DETAIL 4/E-504.

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CONTRACT:
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PROVIDE EXPANDED MIDWAY AND RV SITES

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581 STATE FAIR BOULEVARD
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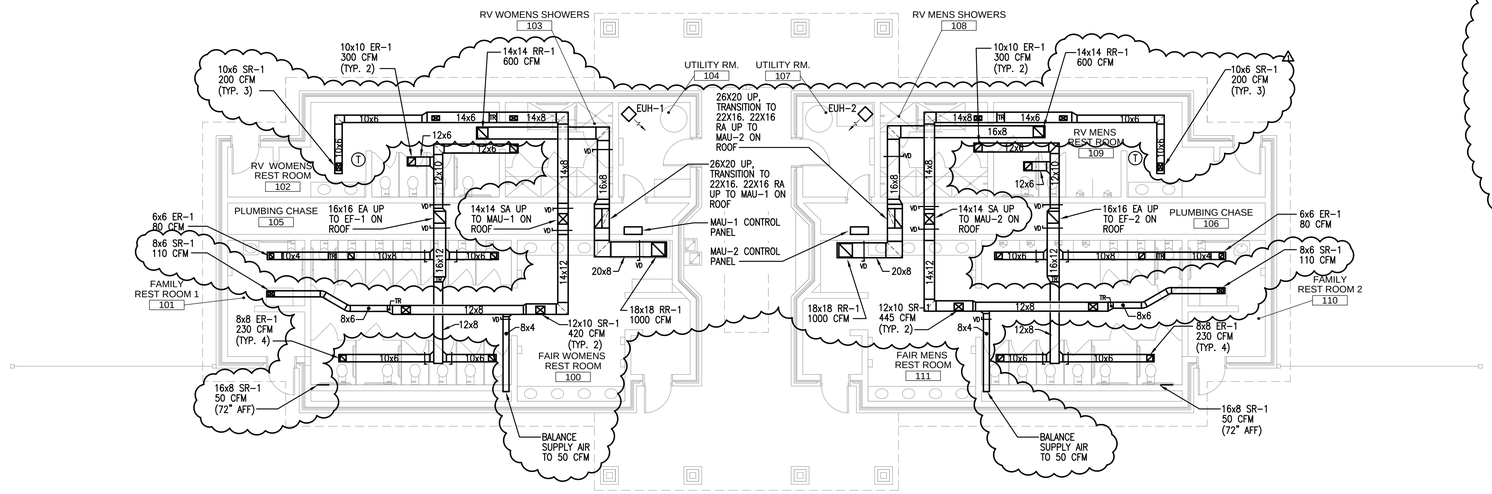
MARK	DATE	DESCRIPTION
1	01/08/15	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

PROJECT NUMBER:	45331 – C
DESIGNED BY:	MWO
DRAWN BY:	MWO
FIELD CHECK:	#
APPROVED:	#

SHEET TITLE:
MIDWAY BATHROOM INSTALLATION PLAN

DRAWING NUMBER:
M–101

SHEET # OF #

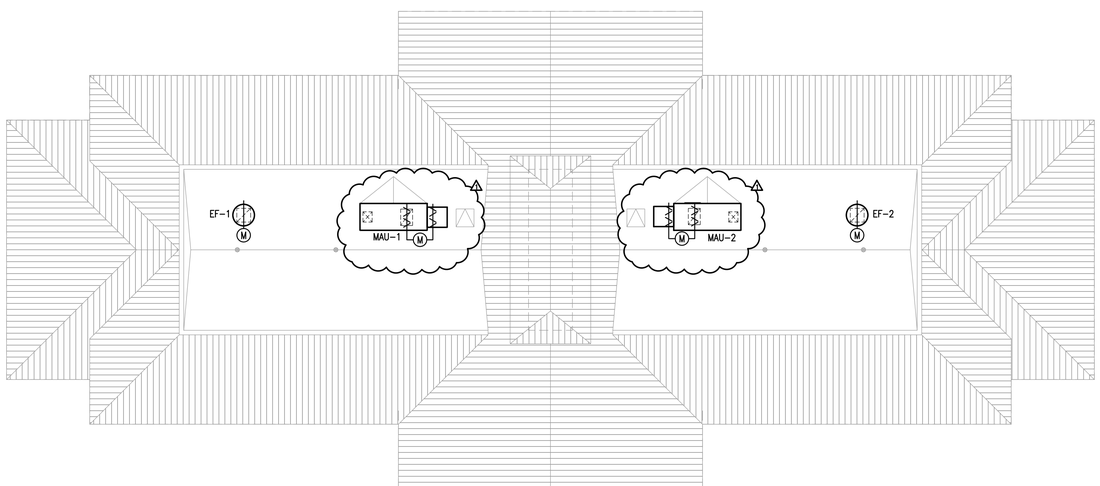


1 M-102 RV PARK BATHROOM INSTALLATION PLAN

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

8' 4' 0 8' 16'

PLAN NORTH



2 M-102 RV PARK BATHROOM ROOF PLAN

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

8' 4' 0 8' 16'

PLAN NORTH

GENERAL NOTES:

1. EXHAUST FANS AND MAKE-UP AIR UNITS ARE CONTROLLED VIA OCCUPANCY SENSORS, REFER TO DETAIL 5/E-504.

MAU-1 & MAU-2 SEQUENCE OF OPERATION

FAN SPEED: THE FANS WILL BE SET TO A FIXED SPEED FOR OCCUPIED MODE AND WILL RUN CONTINUOUSLY.

OCCUPIED MODE: THE OCCUPANCY SENSOR WILL HAVE A CONTACT CLOSURE TO INDICATE OCCUPIED MODE. IN OCCUPIED MODE, THE OA DAMPER OPENS TO 100% AND THE SUPPLY FAN OPERATES CONTINUOUSLY AT FULL SPEED. THE BURNER MODULATES TO MEET SPACE TEMPERATURE SETPOINT.

UNOCCUPIED MODE: THE OA DAMPER CLOSES AND THE INTERLOCKED RA DAMPER OPENS FULLY. THE SUPPLY FAN OPERATES AT LOW SPEED (SELECTABLE AT THE ADJUSTABLE SPEED MOTOR CONTROLLER) CONTINUOUSLY. THE BURNER MODULATES BASED ON THE SPACE TEMPERATURE SETPOINT.

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CONTRACT:

CONSTRUCTION

TITLE:

PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:

NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:

NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/15	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

PROJECT NUMBER:	45331 – C
DESIGNED BY:	MWO
DRAWN BY:	MWO
FIELD CHECK:	#
APPROVED:	#

SHEET TITLE:

RV PARK BATHROOM INSTALLATION PLAN

DRAWING NUMBER:

M-102

SHEET # OF #

ELECTRIC MAKE-UP AIR HANDLING UNIT SCHEDULE

TAG	SERVICE	FAN DATA				OUTSIDE AIR	HEATING SECTION					ELECTRICAL DATA		MANUFACTURER & MODEL NO. (BASIS OF DESIGN)	REMARKS
		SUPPLY FAN					ELECTRIC			HEATING CAPACITY					
		CFM	EXT. S.P.	RPM	MOTOR HP	CFM	KW	VOLTS	PHASE	OUTPUT (MBH)	DELTA T (DEG F)	VOLTS/PH	MCA		
MAU-1	RV PARK WOMENS ROOMS	1,600	1.0	1,359	1 1/2	1,600	56	208	3	191.24	110	208/3	163	BOUSQUET BC-25-EL	1,2,3,4,5,6
MAU-2	RV PARK MENS ROOMS	1,600	1.0	1,359	1 1/2	1,600	56	208	3	191.24	110	208/3	163	BOUSQUET BC-25-EL	1,2,3,4,5,6

1. PROVIDE WITH 17" FULL PERIMETER ROOF CURB TO MATCH SLOPE OF ROOF.
2. PROVIDE REMOTE CONTROL PANEL WITH TEMPERATURE SELECTOR.
3. PROVIDE WITH NON-FUSED ELECTRICAL DISCONNECT WITH ADJUSTABLE SPEED MOTOR CONTROLLER.
4. PROVIDE WITH MERV 8 FILTERS.
5. PROVIDE GALVANIZED STEEL FRAME, GRADE C (NiCr 60) HEATING ELEMENT.
6. MODULATING COIL WITH SCR STAGE WITH CONTROLLER AND TEMPERATURE SENSOR.

EXHAUST FAN SCHEDULE

TAG	LOCATION	SERVICE	TYPE	DRIVE	CFM	ESP IN W.C.	RPM	ELECTRICAL DATA			MFG & MODEL NO. (BASIS OF DESIGN)	REMARKS
								MOTOR HP	VOLTS	PH.		
EF-1	MIDWAY BATHROOM	MIDWAY WOMENS RMS	CENTRIFUGAL ROOF TOP	BELT	1,600	0.5	1,223	1/2	115	1	GREENHECK GB-161HP-5	1, 2, 3
EF-2	MIDWAY BATHROOM	MIDWAY MENS RMS	CENTRIFUGAL ROOF TOP	BELT	1,600	0.5	1,223	1/2	115	1	GREENHECK GB-161HP-5	1, 2, 3
EF-1	RV PARK BATHROOM	RV PARK WOMENS RMS	CENTRIFUGAL ROOF TOP	BELT	1,600	0.5	1,223	1/2	115	1	GREENHECK GB-161HP-5	1, 2, 3
EF-2	RV PARK BATHROOM	RV PARK MENS RMS	CENTRIFUGAL ROOF TOP	BELT	1,600	0.5	1,223	1/2	115	1	GREENHECK GB-161HP-5	1, 2, 3

1. PROVIDE ROOFTOP FAN WITH 24" HIGH ROOF CURB.
2. PROVIDE WITH 115V BACK DRAFT DAMPER.
3. PROVIDE WITH SIZE 0, TYPE A1, MOTOR CONTROLLER.

DIFFUSER, REGISTER AND GRILLE SCHEDULE

TAG	TYPE	SIZE	NECK SIZE	PATTERN	MOUNTING	MATERIAL	FINISH	MANUFACTURER & MODEL NO. (BASIS OF DESIGN)	REMARKS
SR-1	SUPPLY REGISTER	SEE PLANS	SEE PLANS	DOUBLE DEFLECTION	SURFACE	ALUMINUM	APPLIANCE WHITE	TITUS 300 FL	1
RR-1	RETURN REGISTER	SEE PLANS	SEE PLANS	35° DEFLECTION	SURFACE	ALUMINUM	APPLIANCE WHITE	TITUS 350 FL	1
ER-1	EXHAUST REGISTER	SEE PLANS	SEE PLANS	35° DEFLECTION	SURFACE	ALUMINUM	APPLIANCE WHITE	TITUS 350 FL	1

1. PROVIDE WITH OPPOSED BLADE DAMPER

ELECTRIC UNIT HEATER SCHEDULE

TAG	TYPE	CFM	ELECTRICAL			HEATING CAPACITY			MANUFACTURER & MODEL NO. (BASIS OF DESIGN)	REMARKS
			KW	VOLTS	PHASE	OUTPUT MBH	EAT DEG. F	LAT DEG. F		
EUH-1	CEILING MOUNT	150	1.9	208	1	6.3	70	116	Q MARK CHPR25	1
EUH-2	CEILING MOUNT	150	1.9	208	1	6.3	70	116	Q MARK CHPR25	1

1. PROVIDE WITH BUILT-IN THERMOSTAT. SET INITIAL TEMPERATURE AT 50 DEGREES.

GRAVITY INTAKE SCHEDULE

TAG	LOCATION	SERVICE	ROOF OPENING	CURB DIMENSIONS	MANUFACTURER & MODEL NO. (BASIS OF DESIGN)	REMARKS
GI-1	ROOF	RV WOMENS RMS	18 x 26	24 x 32	GREENHECK FGI	(1) (2) (3)
GI-2	ROOF	RV MNES RMS	18 x 26	24 x 32	GREENHECK FGI	(1) (2) (3)

(1) PROVIDE 120V MOTORIZED DAMPER IN UNIT
(2) PROVIDE 24" HIGH CURB
(3) PROVIDE INSECT SCREEN

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CONTRACT:
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PROVIDE EXPANDED MIDWAY AND RV SITES

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PROJECT NUMBER:	45331 – C
DESIGNED BY:	MWO
DRAWN BY:	MWO
FIELD CHECK:	
APPROVED:	

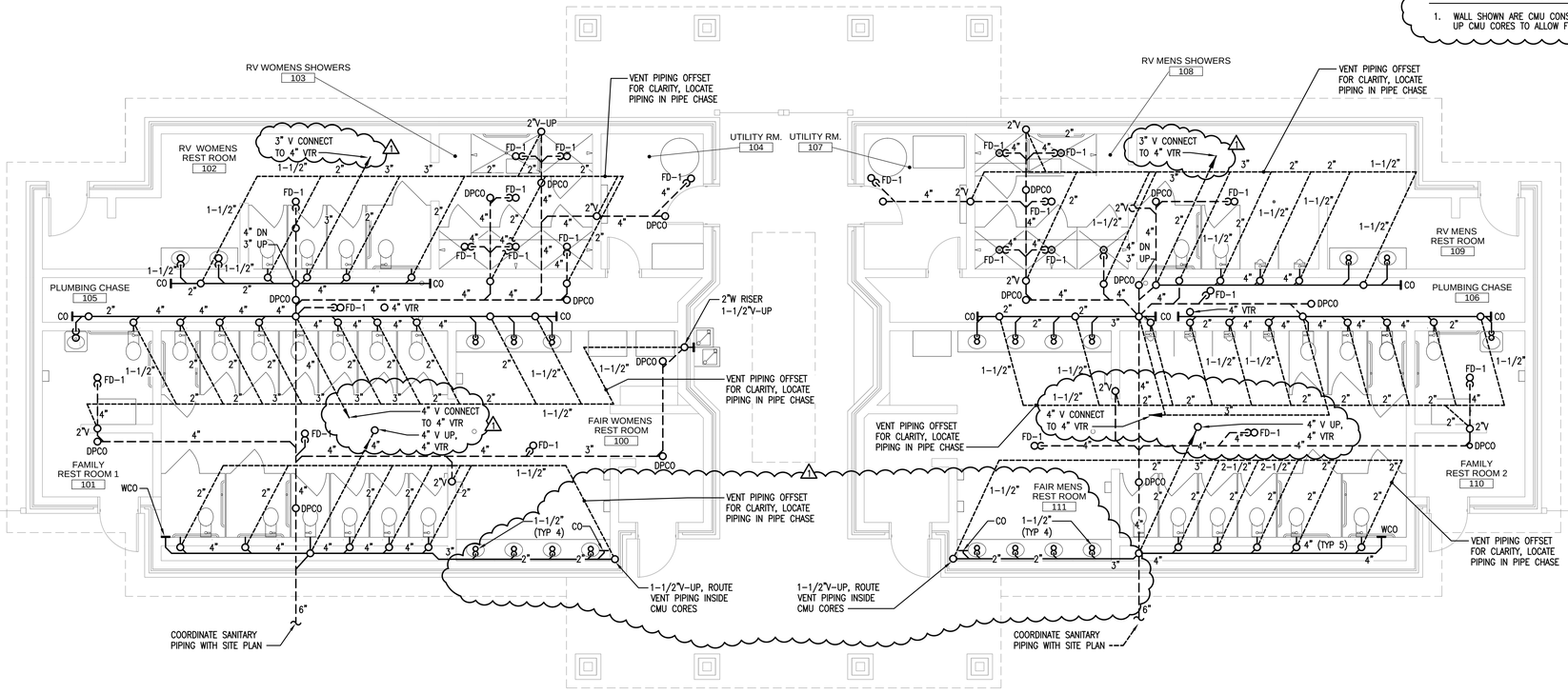
SHEET TITLE:
SCHEDULES

DRAWING NUMBER:
M-601

SHEET OF

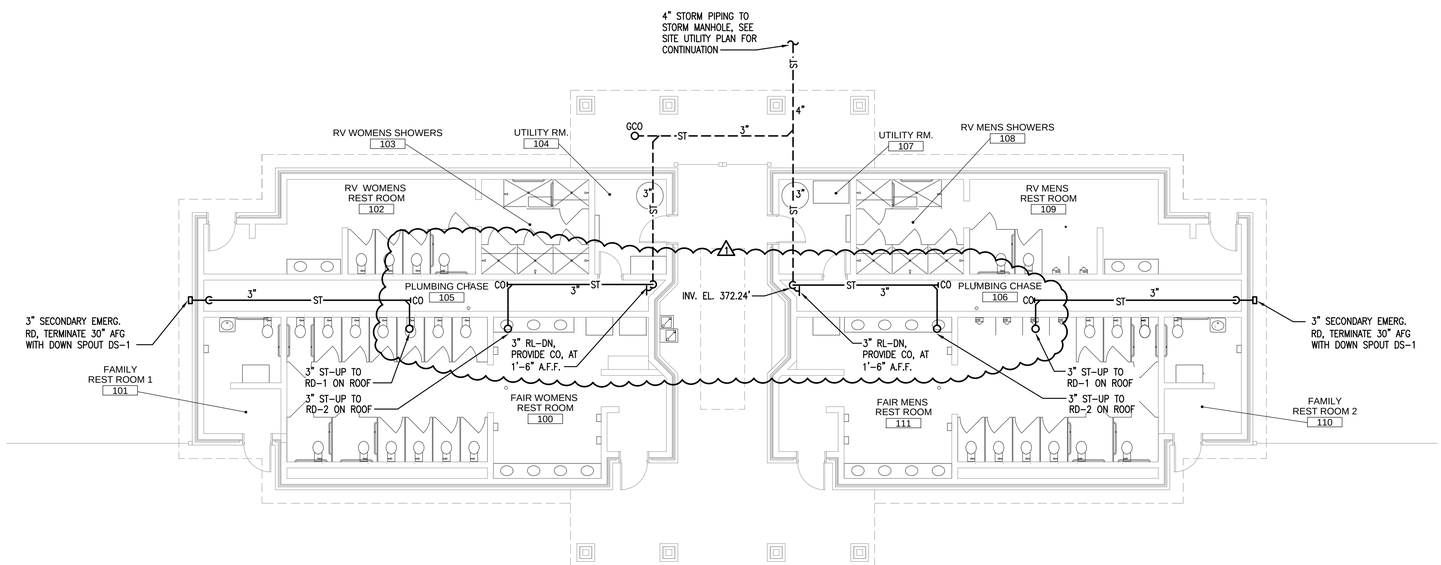
GENERAL NOTES:

1. WALL SHOWN ARE CMU CONSTRUCTION. IN AREAS WHERE PIPING IS SHOW INSIDE WALL, LINE UP CMU CORES TO ALLOW FOR PIPING INSTALLATION.



1 P-101 MIDWAY BATHROOM WASTE AND VENT INSTALLATION PLAN

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



2 P-101 MIDWAY BATHROOM STORM INSTALLATION PLAN

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

PLAN NORTH

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT:

CONSTRUCTION

TITLE:

PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:

NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:

NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/15	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

PROJECT NUMBER:	45331 – C
DESIGNED BY:	MWO
DRAWN BY:	MWO
FIELD CHECK:	
APPROVED:	

SHEET TITLE:

MIDWAY BATHROOM WASTE, VENT AND STORM PIPING INSTALLATION PLAN

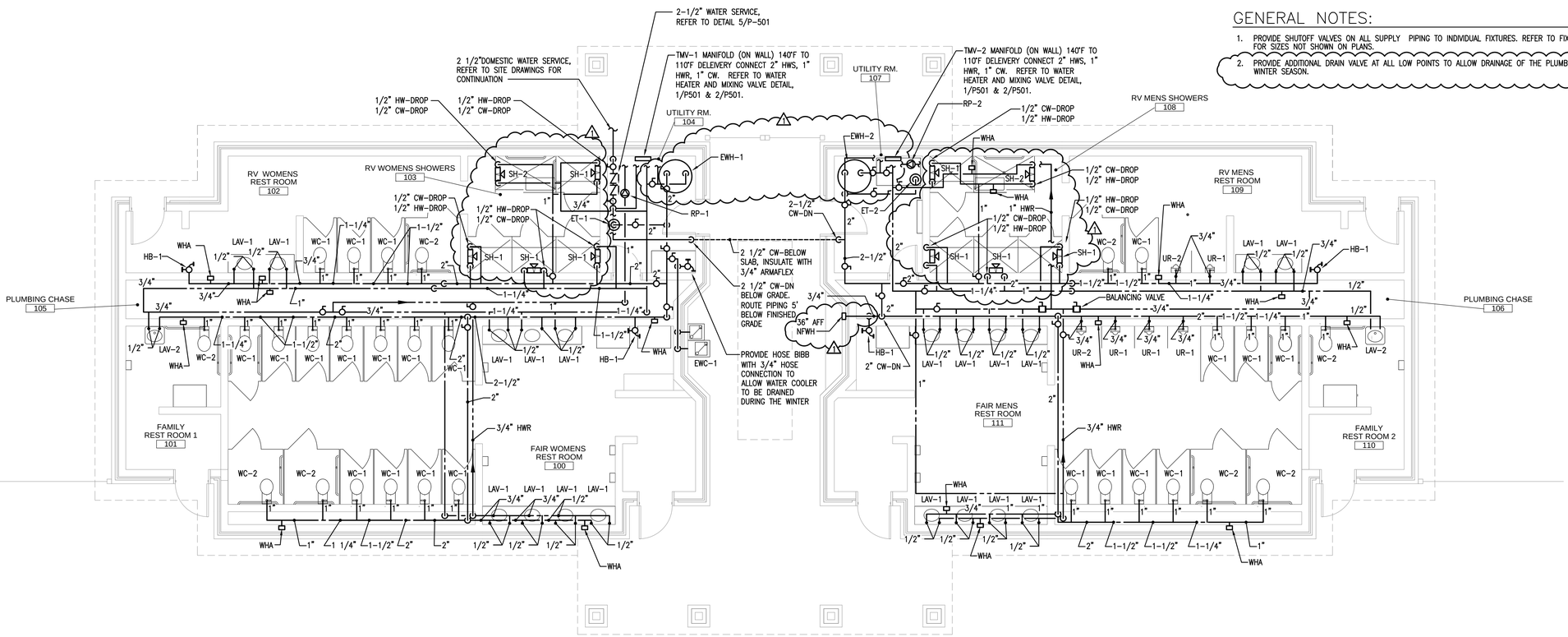
DRAWING NUMBER:

P-101

SHEET OF

GENERAL NOTES:

1. PROVIDE SHUTOFF VALVES ON ALL SUPPLY PIPING TO INDIVIDUAL FIXTURES. REFER TO FIXTURE SCHEDULE, AND DETAILS FOR SIZES NOT SHOWN ON PLANS.
2. PROVIDE ADDITIONAL DRAIN VALVE AT ALL LOW POINTS TO ALLOW DRAINAGE OF THE PLUMBING PIPING DURING THE WINTER SEASON.



1 P-102 MIDWAY BATHROOM DOMESTIC WATER INSTALLATION PLAN
SCALE: 3/16"=1'-0"

4' 2' 0 4' 8' 12'

PLAN NORTH

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

Engineering and Land Surveying, P.C.

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
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PROJECT NUMBER:	45331 – C
DESIGNED BY:	MWO
DRAWN BY:	MWO
FIELD CHECK:	
APPROVED:	

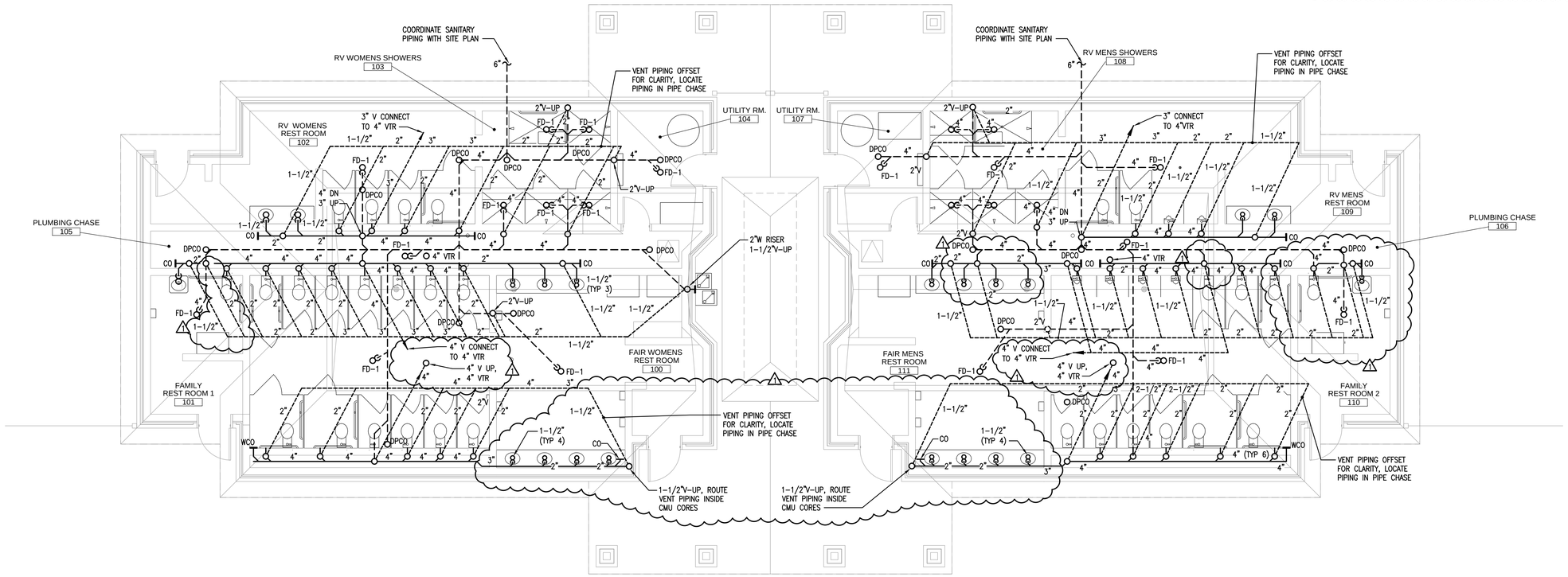
SHEET TITLE:
MIDWAY BATHROOM DOMESTIC WATER INSTALLATION PLAN

DRAWING NUMBER:
P-102

SHEET OF

GENERAL NOTES:

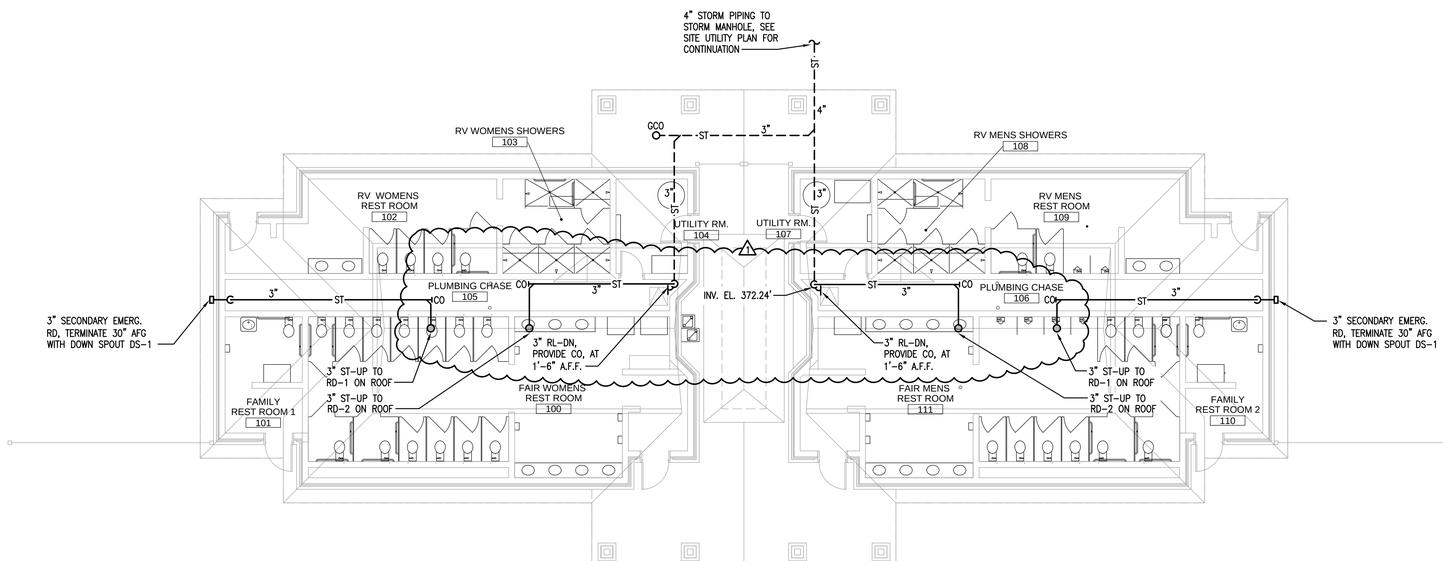
1. WALL SHOWN ARE CMU CONSTRUCTION. IN AREAS WHERE PIPING IS SHOW INSIDE WALL, LINE UP CMU CORES TO ALLOW FOR PIPING INSTALLATION.



1 P-103 RV PARK BATHROOM WASTE AND VENT INTALLATION PLAN
SCALE: 3/16"=1'-0"

4' 2' 0 4' 8' 12'

PLAN NORTH



2 P-103 RV PARK BATHROOM STORM INTALLATION PLAN
SCALE: 1/8"=1'-0"

8' 4' 0 8' 16'

PLAN NORTH

NEW YORK STATE OF OPPORTUNITY. Office of General Services

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
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	12/04/15	FINAL SUBMISSION

PROJECT NUMBER:	45331 – C
DESIGNED BY:	MWO
DRAWN BY:	MWO
FIELD CHECK:	
APPROVED:	

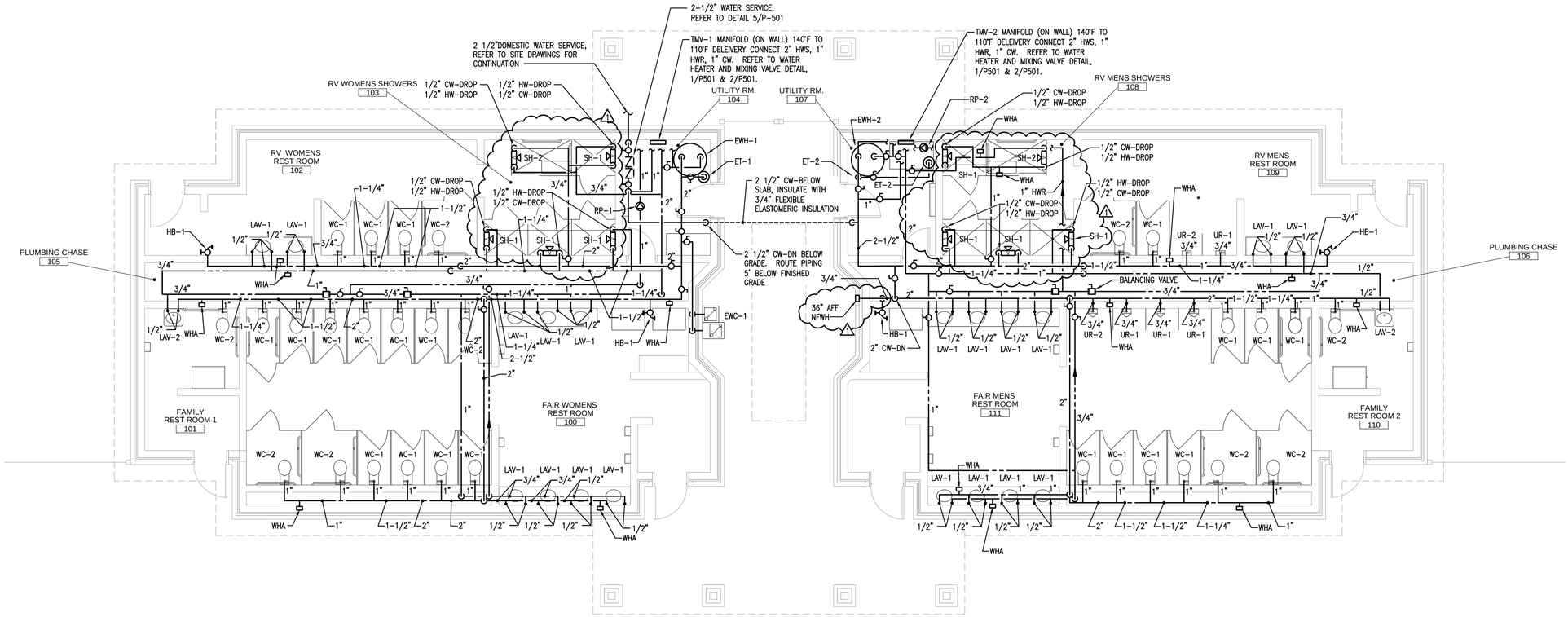
SHEET TITLE:
RV PARK BATHROOM WASTE, VENT AND STORM PIPING INSTALLATION PLAN

DRAWING NUMBER:
P-103

SHEET OF

GENERAL NOTES:

1. PROVIDE SHUTOFF VALVES ON ALL SUPPLY PIPING TO INDIVIDUAL FIXTURES. REFER TO FIXTURE SCHEDULE, AND DETAILS FOR SIZES NOT SHOWN ON PLANS.
2. PROVIDE ADDITIONAL DRAIN VALVE AT ALL LOW POINTS TO ALLOW DRAINAGE OF THE PLUMBING PIPING DURING THE WINTER SEASON.



1 / P-104 RV PARK BATHROOM DOMESTIC WATER INSTALLATION PLAN

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

4' 2' 0 4' 8' 12'

PLAN NORTH

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

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CONTRACT: CONSTRUCTION

TITLE: PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION: NYS FAIRGROUNDS 581 STATE FAIR BOULEVARD SYRACUSE, NY 13209

CLIENT: NYS DEPARTMENT OF AGRICULTURE & MARKETS

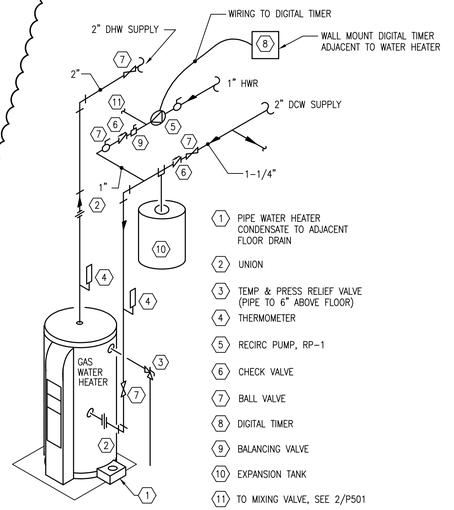
MARK	DATE	DESCRIPTION
1	01/08/15	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

PROJECT NUMBER:	45331 – C
DESIGNED BY:	MWO
DRAWN BY:	MWO
FIELD CHECK:	
APPROVED:	

SHEET TITLE: RV PARK BATHROOM DOMESTIC WATER INSTALLATION PLAN

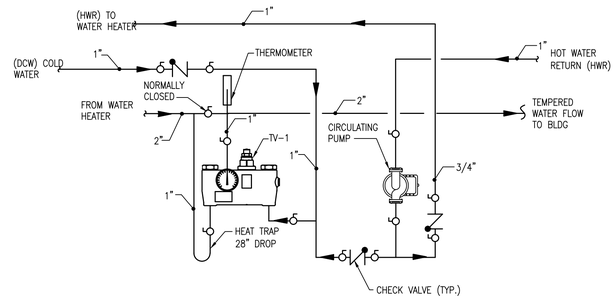
DRAWING NUMBER: P–104

SHEET OF



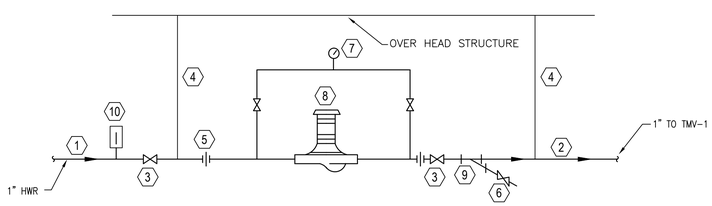
1. PIPE WATER HEATER CONDENSATE TO ADJACENT FLOOR DRAIN
2. UNION
3. TEMP & PRESS RELIEF VALVE (PIPE TO 6" ABOVE FLOOR)
4. THERMOMETER
5. RECIRC PUMP, RP-1
6. CHECK VALVE
7. BALL VALVE
8. DIGITAL TIMER
9. BALANCING VALVE
10. EXPANSION TANK
11. TO MIXING VALVE, SEE 2/P501

1/P-501 ELECTRIC WATER HEATER (EWH-1&EWH-2) DETAIL
SCALE: NOT TO SCALE



NOTE:
TMV INSTALLATION MAY VARY WITH MANUFACTURER. ACCOMMODATE VALVE MANUFACTURERS INSTALLATION REQUIREMENTS WITH REQUIRED PIPING & VALVES FOR PROPER OPERATION.

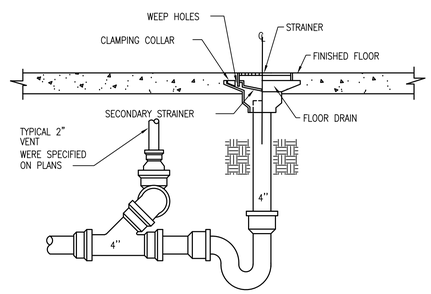
2/P-501 THERMOSTATIC MIXING VALVE DETAIL (TMV-1 & TMV-2)
SCALE: NOT TO SCALE



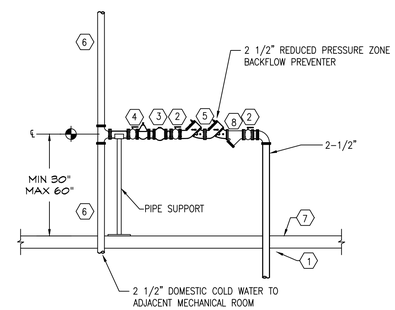
1. SUCTION PIPING
2. DISCHARGE PIPING
3. SHUT-OFF VALVE (TYP.)
4. PIPE SUPPORTS
5. UNION (TYP.)
6. DRAIN VALVE W/HOSE END AND CAP
7. PRESSURE GAUGE
8. PUMP, PROVIDE HANGERS TO SUPPORT PUMP AND MOTOR. INCLUDE ANGLE IRON FRAME AND CLAMPS IF REQUIRED FOR BALANCE.
9. STRAINER
10. THERMOMETER

PUMP SHALL RUN CONTINUOUS DURING OCCUPIED HOURS.

3/P-501 INLINE HW RECIRCULATOR PUMP DETAIL
SCALE: NOT TO SCALE



4/P-501 FLOOR DRAIN PIPING DETAIL
SCALE: NOT TO SCALE



ITEM	DESCRIPTION
1	INCOMING 2-1/2" WATER SERVICE
2	BALL VALVE
3	DOMESTIC WATER METER.
4	WATER PRESSURE REDUCING VALVE
5	DOUBLE CHECK VALVE BACK FLOW PREVENTER ASSEMBLY.
6	2 1/2" DOMESTIC WATER MAIN TO SYSTEM.
7	FINISHED FLOOR
8	STRAINER

NOTES:
1. DEVICE CENTER LINE TO BE 30" TO 60" ABOVE FINISHED FLOOR.
2. THERE WILL BE A MINIMUM CLEARANCE OF 12" ABOVE UNIT.
3. THERE WILL BE A MINIMUM OF 30" IN FRONT OF UNIT.
4. THERE WILL BE A MINIMUM OF 8" OFF BACK SIDE OF UNIT.

5/P-501 DOMESTIC WATER SERVICE DETAIL
SCALE: NOT TO SCALE

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT
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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/15	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

PROJECT NUMBER:	45331 – C
DESIGNED BY:	MWO
DRAWN BY:	MWO
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
DETAILS

DRAWING NUMBER:
P-501

SHEET OF

GENERAL NOTES:

1. REFER TO THE PROJECT MANUAL FOR GOVERNING JOB REQUIREMENTS AND MATERIAL SPECIFICATIONS. THE FOLLOWING NOTES ARE SUPPLEMENTAL TO THE ABOVE REQUIREMENTS.
2. ALL DIMENSIONS TO, OF, AND IN EXISTING STRUCTURES SHALL BE VERIFIED IN FIELD BY CONTRACTOR WITH ALL DISCREPANCIES REPORTED TO THE ENGINEER.
3. DO NOT CHANGE THE SIZE NOR SPACING OF STRUCTURAL ELEMENTS WITHOUT THE APPROVAL OF THE ENGINEER.
4. DETAILS SHOWN ARE TYPICAL AND APPLY TO SIMILAR CONDITIONS UNLESS NOTED OTHERWISE.
5. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
6. CONTRACTOR SHALL BRACE BUILDING AS REQUIRED FOR CONSTRUCTION AND WIND LOADS UNTIL ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: ROOF DECK, BRACING MEMBERS, MOMENT CONNECTIONS, SHEAR WALLS, ETC.
7. THE DESIGN IS BASED ON THE BUILDING CODE OF NEW YORK STATE, 2010 EDITION.
8. CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES BEFORE COMMENCING WORK. CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY FAILURE TO EXACTLY LOCATE AND PRESERVE UNDERGROUND UTILITIES.
9. INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE ENGINEER PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH ACTION SHALL REQUIRE DIRECTOR'S REPRESENTATIVE APPROVAL.
10. CONTRACTOR SHALL COOPERATE WITH THE DIRECTOR'S REPRESENTATIVE, AND COORDINATE WORK WITH THE WORK OF OTHERS.
11. VERIFY SIZE AND LOCATION OF OPENINGS PRIOR TO BEGINNING WORK. FOR DIMENSIONS NOT SHOWN, SEE MECHANICAL, ELECTRICAL, CIVIL AND ARCHITECTURAL DRAWINGS.
12. VERIFY SIZE AND LOCATION OF EQUIPMENT PADS WITH MECHANICAL AND/OR ELECTRICAL CONTRACTOR AND EQUIPMENT MANUFACTURER.

DESIGN DATA:

1. FLOOR LIVE LOADS
   A. LOBBIES AND FIRST FLOORS: 100 PSF
2. ROOF SNOW LOAD
   A. GROUND SNOW LOAD: 50 PSF
   B. FLAT-ROOF SNOW LOAD: 42 PSF 1
   C. SNOW EXPOSURE FACTOR: 1.0
   D. SNOW LOAD IMPORTANCE FACTOR: 1.0
   E. THERMAL FACTOR: 1.2
3. WIND DESIGN DATA
   A. BASIC WIND SPEED (3-SECOND GUST): 90 MPH
   B. WIND IMPORTANCE FACTOR: 1.00
   C. WIND EXPOSURE CATEGORY: B
   D. INTERNAL PRESSURE COEFFICIENTS: ±0.18
4. EARTHQUAKE DESIGN DATA
   A. SEISMIC IMPORTANCE FACTOR: 1.00
   B. MAPPED SPECTRAL RESPONSE ACCELERATIONS:
      Ss: 0.143
      S1: 0.062
   C. SITE CLASS: D
   D. SEISMIC DESIGN CATEGORY: B
   E. DESIGN BASE SHEAR: 0.011xW (KIPS)
   F. BASIC SEISMIC FORCE RESISTING SYSTEM: ORDINARY REINFORCED MASONRY SHEAR WALLS
   G. RESPONSE MODIFICATION FACTOR: R=2
   H. ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE METHOD
5. DEAD LOADS:
   A. ROOF LOADS:
      a. STANDING SEAM METAL ROOF: 3.0 PSF
      b. 3/4" PLYWOOD SHEATHING: 3.0 PSF
      c. 2" RIGID INSULATION: 3.0 PSF
      d. EPDM: 2.0 PSF
      e. METAL TRUSSES: 8.0 PSF
      f. GYPSUM CEILING: 2.2 PSF
      g. TOUNGE AND GROOVE CEILING: 3.0 PSF
      h. MECH. & ELEC.: 5.0 PSF
      i. METAL STUD CEILING: 4.0 PSF
6. SOIL BEARING
   A. FOUNDATION DESIGN BASED ON SOIL BEARING CAPACITY OF 2000 PSF ON UNDISTURBED COMPACTED CRUSHED STONE COMPACTED TO MIN. 95% OF THE MAX DRY DENSITY AS MEASURED BY THE MODIFIED PROCTOR TEST. REFER TO PROJECT MANUAL FOR GEOTECHNICAL REPORT PREPARED BY Q.C.Q.A ENGINEERING SERVICES, P.C. DATED NOVEMBER 02, 2015
   B. BEARING STRATUM SHALL BE FIELD VERIFIED BY DIRECTOR'S REPRESENTATIVE PRIOR TO PLACEMENT OF ANY MATERIAL.

GEOTECHNICAL NOTES:

1. 2 TO 5 FEET OF EXISTING FILL MATERIAL IS PRESENT BENEATH THE BUILDING FOOTPRINT, AND SHALL BE MATERIAL REMOVED IN ITS ENTIRETY FROM BENEATH AND TEN FEET BEYOND THE FOOTPRINT OF THE BUILDING. CONTRACTOR SHALL ASSUME 1,500 CUBIC YARDS OF OVER EXCAVATION AND FILL REPLACEMENT WITH SELECTED FILL SHALL BE REQUIRED BELOW THE BOTTOM OF FOUNDATION ELEVATION AT EACH RESTROOM BUILDING. REFER TO GEOTECHNICAL REPORT FOR PROCEDURE TO REMOVE FILL MATERIAL ACROSS BUILDING FOOTPRINT.
2.
3. ALL EXCAVATED SOIL WILL NOT MEET GRADATION OR MATERIAL REQUIREMENTS OF SELECT FILL. ALL SELECT FILL AND SUBBASE MATERIAL MUST BE IMPORTED TO PROJECT SITE FROM AN APPROVED SOURCE.
4. GROUNDWATER OR WATER PERCHED ABOVE THE NATIVE CLAY/SILT SOILS CAN BE EXPECTED WITHIN ALL EXCAVATIONS GREATER THAN TWO FEET BENEATH EXISTING SITE GRADES. REFER TO DEWATERING SPECIFICATION TO MAINTAIN ALL EXCAVATION IN A DRY CONDITION.
5. EXPOSED SUBGRADES CONSIST OF SILTY CLAY OR CLAYEY SILT, AND WILL BE EXTREMELY SENSITIVE (BECOME SOFT) TO THE PRESENCE OF WATER AND REPEATED CONSTRUCTION TRAFFIC. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN STABLE SUBGRADES THROUGHOUT CONSTRUCTION, BUT AT A MINIMUM THE FOLLOWING SHALL BE FOLLOWED:
   A. EXCAVATIONS TO SUBGRADE OR FOUNDATION BEARING GRADES SHALL NOT OCCUR DURING PERIODS OF WET WEATHER.
   B. INITIAL LIFT OF SELECT FILL OR SUBBASE MATERIAL SHALL BE INSTALLED WITHIN 1/2 DAY OF SUBGRADE BEING EXPOSED.

FOUNDATION NOTES:

1. BEAR ALL FOOTINGS ON 1'-0" LAYER COMPACTED CRUSHED STONE COMPACTED TO MIN. 95% OF THE MAX DRY DENSITY AS MEASURED BY THE MODIFIED PROCTOR TEST.
2. FOOTINGS HAVE BEEN DESIGNED FOR A SOIL BEARING PRESSURE AS INDICATED IN THE DESIGN DATA. BEARING STRATUM FOR THIS CAPACITY SHALL BE VERIFIED IN FIELD BY DIRECTOR'S REPRESENTATIVE BEFORE PLACING CONCRETE FOOTINGS.
3. SOIL BEARING SURFACES, PREVIOUSLY ACCEPTED BY DIRECTOR'S REPRESENTATIVE, WHICH ARE ALLOWED TO BECOME SATURATED, FROZEN, OR DISTURBED SHALL BE REWORKED TO SATISFACTION OF DIRECTOR'S REPRESENTATIVE.
4. DO NOT PLACE FOOTINGS IN WATER OR ON FROZEN GROUND.
5. DO NOT ALLOW GROUND BENEATH FOOTINGS TO FREEZE. CONTRACTOR SHALL PROTECT GROUND TO PREVENT FREEZE/THAW AT ALL TIME.
6. CENTER FOOTINGS UNDER WALLS, PIERS, OR COLUMNS UNLESS NOTED OTHERWISE.
7. VERIFY SIZE AND LOCATION OF OPENINGS PRIOR TO BEGINNING WORK. FOR DIMENSIONS NOT SHOWN, SEE ARCH. DWGS.

CAST-IN-PLACE CONCRETE NOTES:

1. ALL DOWELS, ANCHOR BOLTS, EMBEDDED STEEL. ELECTRICAL CONDUITS, PIPE SLEEVES, PIPING, INSERTS, GROUNDS, AND ALL OTHER EMBEDDED ITEMS AND FORMED DETAILS SHALL BE IN PLACE BEFORE START OF CONCRETE PLACEMENT. FOR EMBEDDED ITEMS AND REQUIRED DETAILS, SEE MECHANICAL, ELECTRICAL, AND ARCHITECTURAL DRAWINGS. VERIFY SIZE AND LOCATION OF ALL OPENINGS.
2. CONCRETE, UNLESS NOTED OTHERWISE, SHALL BE NORMAL WEIGHT, AIR ENTRAINED AND HAVE THE FOLLOWING MINIMUM 28-DAY COMPRESSIVE STRENGTHS:
   1. ALL CONCRETE: F'C = 4,000 PSI
3. ALL PIPING PENETRATIONS THROUGH NEW STRUCTURAL SLABS ARE TO BE SLEEVED OR CHASED. NO CORING OF SLAB IS PERMITTED.
4. REINFORCE ALL CONCRETE ELEMENTS (FOOTINGS, WALLS, PIERS, AND SLABS). REINFORCEMENT SHOWN PERTAINS TO ALL TYPICAL CONDITIONS.
5. SPLICES IN REINFORCEMENT SHALL MEET CLASS B TENSION LAP REQUIREMENTS UNLESS NOTED OTHERWISE.
6. REINFORCEMENT SHALL BE COLD BENT WHENEVER BENDING IS REQUIRED.
7. PROVIDE CORNER BARS IN FOOTINGS, THE SAME SIZE AND NUMBER AS CONTINUOUS REINFORCEMENT.
8. EXTEND REINFORCEMENT IN WALL FOOTINGS BETWEEN COLUMNS INTO COLUMN FOOTINGS A MINIMUM OF 2'-0". LOCATE TO MISS ANCHOR BOLTS.
9. WHERE REQUIRED, STEP FOOTINGS UP OR DOWN IN RATIO OF TWO HORIZONTALS TO ONE VERTICAL. CAST STEPPED FOOTINGS MONOLITHICALLY.
10. DOWEL CONCRETE WALLS AND PIERS INTO FOOTINGS WITH DOWELS THE SAME SIZE AND SPACING AS VERTICAL REINFORCEMENT. EXTEND DOWELS TO WITHIN 3" OF BOTTOM OF FOOTING, TERMINATED WITH ACI STD. 90 DEGREE HOOK, UNLESS NOTED OTHERWISE.
11. PROVIDE KEYS IN CONCRETE WALLS, PIERS AND FOOTINGS AT INTERSECTION OF CONCRETE.
12. PROVIDE 3/4" X 3/4" CHAMFER AT ALL EXPOSED CORNERS UNLESS NOTED OTHERWISE.
13. NO HOLES OR OPENINGS ARE PERMITTED THROUGH CONCRETE SLABS, BEAMS, OR WALLS EXCEPT AS FOLLOWS:
    A. WHERE SHOWN ON PLANS AND AS DETAILED ON DRAWINGS.
    B. MISCELLANEOUS HOLES THROUGH SLABS OR WALLS WHICH DO NOT DISPLACE MORE THAN ONE BAR. THESE DO NOT REQUIRE ADDITIONAL REINFORCEMENT.
14. LOCATE ADDITIONAL CONSTRUCTION JOINTS REQUIRED TO FACILITATE CONSTRUCTION AS ACCEPTABLE TO DIRECTOR'S REPRESENTATIVE. PLACE REINFORCEMENT CONTINUOUSLY THROUGH JOINT. DETAIL JOINT ON SHOP DRAWINGS.
15. CAST CONCRETE ON SLOPED SURFACES BEGINNING AT LOWEST ELEVATION AND CONTINUING MONOLITHICALLY TOWARD HIGHER ELEVATIONS UNTIL INTENDED POUR IS COMPLETED.

SLAB-ON-GRADE NOTES:

1. SUBGRADE BELOW SLAB-ON-GRADE SHALL BE REVIEWED AND ACCEPTED BY DIRECTOR'S REPRESENTATIVE BEFORE CONCRETE SLAB PLACEMENT.
2. THICKEN SLABS-ON-GRADE UNDER NON-BEARING MASONRY WALLS (6" THICK WALLS AND OVER) AND REINFORCE AS SHOWN ON DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS.
3. CONTROL JOINT AND CONSTRUCTION JOINT LOCATIONS SHALL BE COORDINATED WITH DIRECTOR'S REPRESENTATIVE.
4. REFER TO ARCHITECTURAL DRAWINGS FOR PITCHED SLABS AND FLOOR DRAIN LOCATIONS.
5. VERIFY SIZE AND LOCATION OF PLATFORMS, CURBS, AND PADS WITH MECHANICAL/ ELECTRICAL CONTRACTORS.
6. EXTEND REINFORCEMENT IN SLAB-ON-GRADE THRU CONTROL JOINTS, TERMINATING EVERY OTHER BAR.
7. ALL SLABS-ON-GRADE SHALL BEAR ON A BASE COURSE OF CLEAN, COMPACTED CRUSHED STONE A MINIMUM OF 6" THICK. THE CRUSHED STONE SHALL BE A 50:50 MIX OF NYSDOT NO. 1 AND NO. 2 CRUSHED STONE COMPACTED TO MIN. 95% OF THE MAX DRY DENSITY AS MEASURED BY THE MODIFIED PROCTOR TEST.

STRUCTURAL STEEL NOTES

1. DO NOT PLACE HOLES THROUGH STRUCTURAL STEEL MEMBERS EXCEPT AS SHOWN AND DETAILED ON STRUCTURAL DRAWINGS.
2. ALL STEEL BEAMS BEARING ON MASONRY SHALL HAVE A MINIMUM OF 6" OF BEARING UNLESS NOTED OTHERWISE. PROVIDE BEAMS WITH BEARING PLATES AND WALL ANCHORS UNLESS NOTED OTHERWISE.
3. CONNECTIONS:
   A. USE THREE-QUARTER (3/4) INCH DIAMETER A325 TYPE N BOLTS IN STANDARD HOLES UNLESS NOTED OTHERWISE. DESIGN USING STANDARD HOLES.
   B. USE SEVEN-EIGHTH (7/8) INCH DIAMETER A-325 TYPE SC BOLTS FOR THE FOLLOWING CONNECTIONS: BRACING ELEMENTS AND MOMENT CONNECTIONS (BEAM-TO-BEAM AND BEAM-TO-COLUMN) UNLESS NOTED OTHERWISE.
   C. WELD (SHIELDED METAL ARC) - ELECTRODES SHALL BE E70XX AND BE IN ACCORDANCE WITH AWS D1.1 UNLESS NOTED OTHERWISE.
   D. MINIMUM CAPACITY OF BEAM CONNECTIONS: FOR CONNECTIONS NOT DETAILED, PROVIDE CONNECTION CAPACITY OF AT LEAST THAT REQUIRED BY PART 2 OF THE AISC MANUAL (9TH EDITION) IN THE SECTION "ALLOWABLE LOADS ON BEAMS", FOR THE GIVEN MEMBER AND STEEL SPECIFICATIONS. CONCENTRATED LOADS NEAR SUPPORTS MUST BE ADDED.
   E. CONNECTION DESIGN BY FABRICATOR WILL BE SUBJECT TO REVIEW AND APPROVAL BY ENGINEER. USE MINIMUM OF TWO(2) 3/4-INCH DIAMETER A325 BOLTS PER CONNECTION.
4. WHERE ROOF BEAMS FRAME INTO COLUMNS, WELD A 1/4" THICK ANGLE TO TOP OF COLUMN. PROJECT ANGLE 2-1/2" TO FORM A BEARING SURFACE FOR ROOF DECK.
5. PROVIDE COLUMNS WITH 1/2" CAP PLATES UNLESS DETAILED OTHERWISE.

LIGHT GAUGE METAL TRUSS NOTES:

1. LIGHT GAUGE METAL TRUSSES SHALL BE OF TYPE IN WHICH CHORDS AND WEB MEMBERS ARE IN ONE PLANE. USE GUSSET PLATES, WHICH DEVELOP DESIGN STRENGTH REQUIRED AT JOINTS, FOR CONNECTIONS.
2. TRUSSES SHALL BE CAPABLE OF SUPPORTING LOADS AS INDICATED ON DRAWINGS. DEAD LOAD ON DRAWINGS DOES NOT INCLUDE TRUSS SELFWEIGHT 1
3. MAXIMUM TRUSS DEFLECTION SHALL BE L/360 FOR TOTAL LIVE LOAD AND L/240 FOR TOTAL LOAD.
4. WEB MEMBERS MAY BE SIZED AND LOCATED BY TRUSS MANUFACTURER AS REQUIRED.
5. SUBMIT SHOP DRAWINGS AND DESIGN CALCULATIONS WHICH CONTAIN RELEVANT DESIGN INFO. SHOP DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED BY A NEW YORK STATE PROFESSIONAL ENGINEER.
6. NO SNOW LIVE LOAD REDUCTION WILL BE PERMITTED FOR ROOF PITCH.
7. ANCHOR ALL TRUSSES SECURELY TO EXTERIOR WALLS.
8. CONTINUOUSLY BRACE TRUSS BOTTOM CHORDS. REFER TO TYPICAL DETAILS FOR ADDITIONAL INFORMATION. 1
9. THE CONTRACTOR SHALL NOT EXCEED MAXIMUM MATERIAL STACK HEIGHTS ON ROOF TRUSSES AS LISTED BELOW OR THE MANUFACTURER'S REQUIREMENTS, WHICHEVER IS THE MOST STRINGENT.
   A. PLYWOOD - 16" HIGH
   B. METAL ROOFING - 1.3 SHEETS
10. LOADING PROVIDED ON TRUSS DIAGRAMS INDICATES MAIN WIND FORCE RESISTING SYSTEM (MWFRS) METHOD PER LOADING CONDITIONS. TRUSS MANUFACTURER SHALL DESIGN INDIVIDUAL TRUSS MEMBERS USING THE COMPONENTS AND CLADDING ANALYSIS METHOD.
11. LOADS GIVEN ON TRUSS DIAGRAMS ARE NOT FACTORED. USE THE BASIC ALLOWABLE STRESS DESIGN LOAD COMBINATIONS OF THE 2010 BCNYS.

CONCRETE MASONRY UNIT (CMU) WALL NOTES:

1. REFER TO THE ARCHITECTURAL DRAWINGS OR SPECIFICATIONS FOR TYPES OF MASONRY OTHER THAN CONCRETE MASONRY.
2. MORTAR SHALL CONFORM TO TABLE 1 OF ASTM C270, TYPE S. THE MORTAR MIX DESIGN (BY VOLUME) SHALL BE SUBMITTED TO THE ENGINEER BEFORE CONSTRUCTION BEGINS. HOLLOW CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90 NORMAL WEIGHT SPECIFICATIONS WITH A MINIMUM COMPRESSIVE STRENGTH OF 1900 PSI. THE SPECIFIED COMPRESSIVE STRENGTH, F'M, IS 1500 PSI.
3. COARSE CONCRETE GROUT SHALL CONFORM TO TABLE 1 OF ASTM C476 WITH A MAXIMUM AGGREGATE SIZE OF 3/8" AND A SLUMP OF 8 TO 11 INCHES. GROUT MAY BE EITHER READY MIXED OR JOB MIXED. THE GROUT MIX DESIGN (BY VOLUME) SHALL BE SUBMITTED TO THE ENGINEER BEFORE CONSTRUCTION BEGINS.
4. WHEN MIXING MORTAR AND GROUT, CONTAINERS OF KNOWN VOLUME SHALL BE USED. MEASUREMENT USING SHOVELS SHALL NOT BE ALLOWED. FOR GROUT, THE SAND AND PEA GRAVEL SHALL BE TAKEN FROM SEPARATE PILES, NOT FROM A PRE-BLENDED PILE. IF MEASUREMENT BY SHOVELING OR USE OF A PRE-BLENDED PILE IS DISCOVERED, THE ENGINEER MAY REQUIRE ALL WALLS BUILT SO FAR TO BE TESTED PER ASTM C 1314 BY CUTTING 3 MASONRY PRISMS AND 3 GROUT CORES OUT OF THE WALL FOR EVERY 5,000 SQUARE FEET OF WALL, AND MAY REQUIRE ANY AREA OF WALL TESTING BELOW 1,500 PSI TO BE REPLACED AT NO COST TO THE OWNER.
5. ALL 8" LOAD BEARING CMU WALLS (IDENTIFIED ON THE RESTROOM ROOF FRAMING PLANS S-102) SHALL BE REINFORCED VERTICALLY WITH #5 BARS, AT 4 FEET ON CENTER. VERTICAL REINFORCEMENT SHALL EXTEND TO THE TOP OF ALL WALLS. PROVIDE REINFORCEMENT BARS ALL AROUND ALL OPENINGS, EXTENDING 2 FEET PAST EACH CORNER. REFER TO THE LINTEL SCHEDULE FOR ADDITIONAL REINFORCEMENT. ALL TOP COURSES SHALL HAVE HORIZONTAL REINFORCEMENT. ALL REINFORCEMENT BARS IN CMU WALLS SHALL BE PROVIDED WITH 1" CONCRETE GROUT COVER. 1
6. PROVIDE VERTICAL CONTROL JOINTS AT LOCATIONS APPROVED BY THE ARCHITECT, WITH A MAXIMUM SPACING OF 20 FEET. HORIZONTAL BOND BEAM REINFORCEMENT SHALL CONTINUE THROUGH ALL CONTROL JOINTS IN ALL WALLS (BOTH LOAD-BEARING AND NON-LOAD BEARING WALLS). CONTROL JOINTS SHALL CONSIST OF A VERTICAL MASONRY JOINT, RAKED BACK AND CAULKED.

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT:

CONSTRUCTION

TITLE: PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION: NYS FAIRGROUNDS 581 STATE FAIR BOULEVARD SYRACUSE, NY 13209

CLIENT: NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

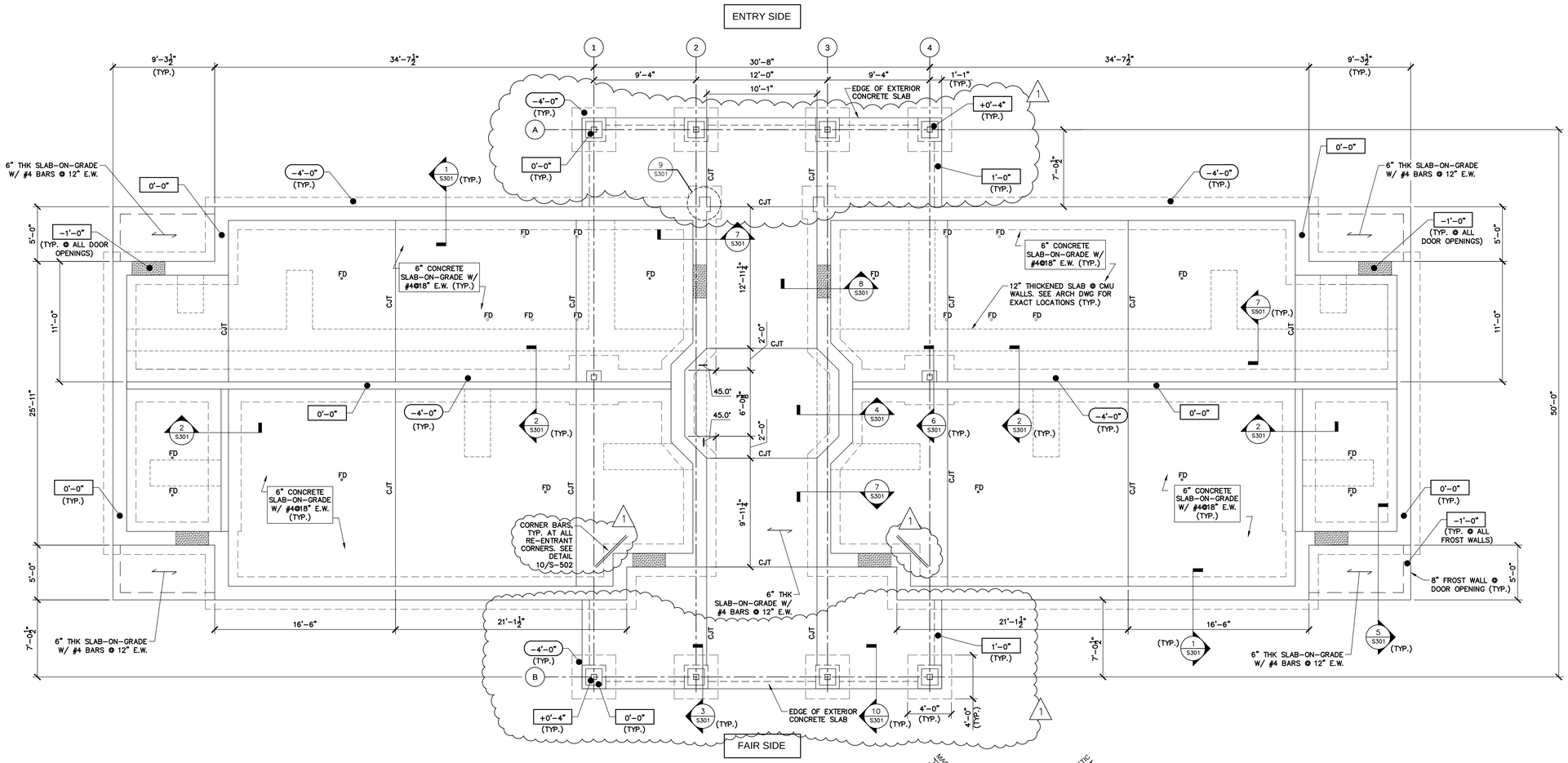
PROJECT NUMBER:	45331 - C
DESIGNED BY:	ABD
DRAWN BY:	SNP
FIELD CHECK:	
APPROVED:	

SHEET TITLE: GENERAL NOTES

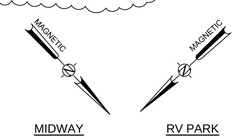
DRAWING NUMBER: S-001

SHEET OF

Jan 08,2016 - 11:31am
F:\mj915\MJ 915.XX New York State Fair\915.18 45331 NYSF Midway and RV Park\45331 S001 - GEN.dwg
36x24 PLOT SHEET



1 / S100 RESTROOM FOUNDATION PLAN
SCALE: 3/16"=1'-0"



NOTES:

1. REFERENCE ELEV.= FINISHED FLOOR ELEV.= 0'-0" = 377.4' (RV PARK). = 380.3' (MIDWAY).
2. X'-XX" DENOTES T/WALL ELEVATION (± REFERENCE ELEV.).
3. X'-XX" DENOTES T/FTG ELEVATION (± REFERENCE ELEV.).
4. CJT DENOTES SLAB-ON-GRADE CONTROL JOINT.
5. DENOTES DOOR OPENING. SEE ARCH DWGS FOR EXACT OPENING LOCATIONS AND DIMENSIONS.
6. FD DENOTES FLOOR DRAIN. SEE ARCH DWGS FOR EXACT LOCATIONS AND FLOOR PITCH.
7. ALL INTERIOR CONCRETE SLAB-ON-GRADES TO BE STAINED. SEE SPECIFICATION 033000.

NOTE:

RESTROOMS ARE THE SAME AT MIDWAY AND RV PARK. (2) RESTROOMS WILL BE CONSTRUCTED AS PART OF THIS PROJECT.

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

PROJECT NUMBER:	45331 – C
DESIGNED BY:	ABD
DRAWN BY:	SNP
FIELD CHECK:	
APPROVED:	

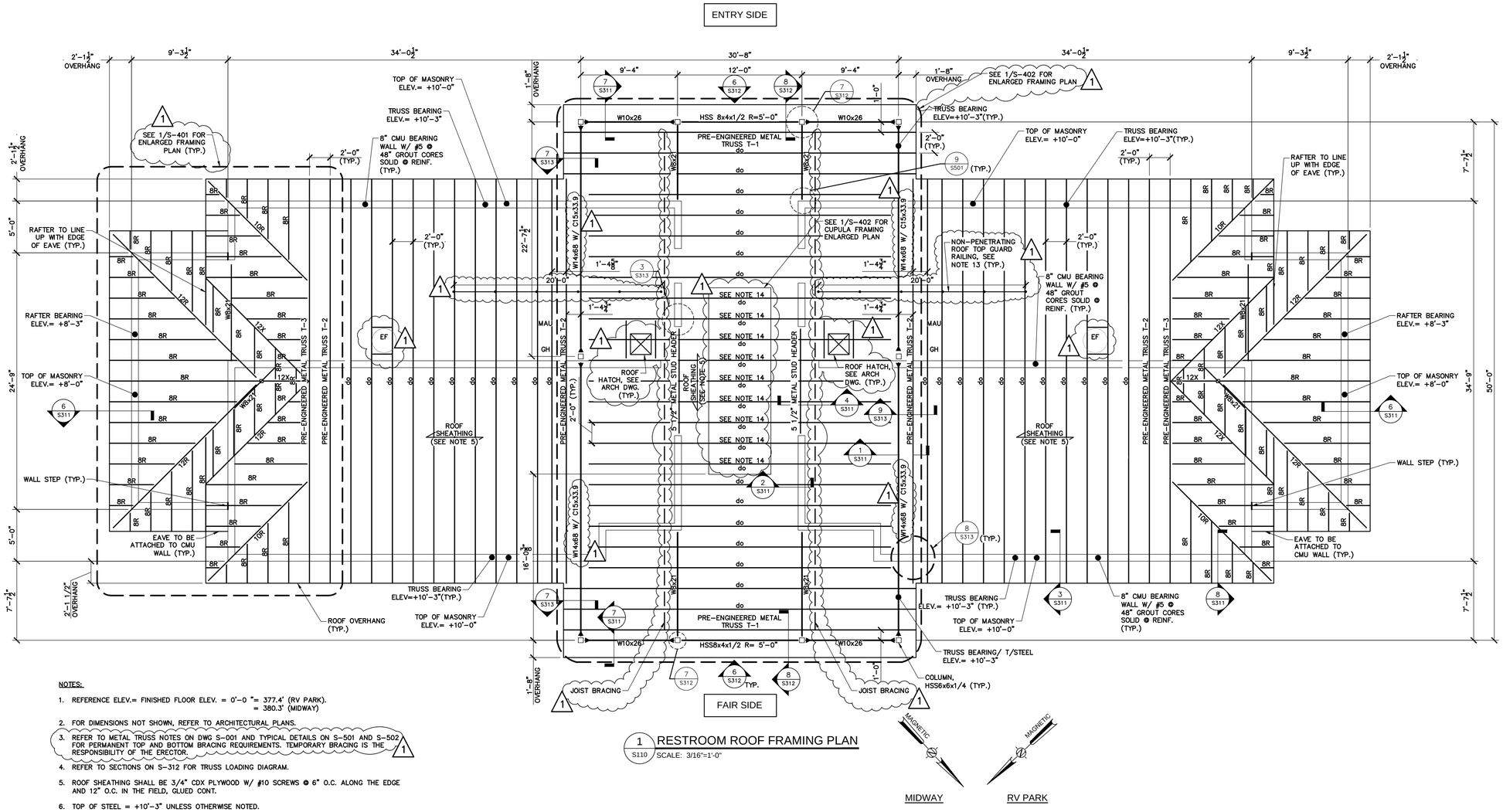
SHEET TITLE:
RESTROOM FOUNDATION PLAN

DRAWING NUMBER:
S-101

SHEET OF

Jan 08,2016 – 11:31am
F:\mj\915\MJ 915.XX New York State Fair\915.18 45331 NYSF Midway and RV Park\45331 S101 – FNDN.dwg

36x24 PLOT SHEET



1 S110 RESTROOM ROOF FRAMING PLAN
SCALE: 3/16"=1'-0"

NOTES:

1. REFERENCE ELEV.= FINISHED FLOOR ELEV. = 0'-0 "= 377.4' (RV PARK).
   = 380.3' (MIDWAY)
2. FOR DIMENSIONS NOT SHOWN, REFER TO ARCHITECTURAL PLANS.
3. REFER TO METAL TRUSS NOTES ON DWG S-001 AND TYPICAL DETAILS ON S-501 AND S-502 FOR PERMANENT TOP AND BOTTOM BRACING REQUIREMENTS. TEMPORARY BRACING IS THE RESPONSIBILITY OF THE ERECTOR. 1
4. REFER TO SECTIONS ON S-312 FOR TRUSS LOADING DIAGRAM.
5. ROOF SHEATHING SHALL BE 3/4" CDX PLYWOOD W/ #10 SCREWS @ 6" O.C. ALONG THE EDGE AND 12" O.C. IN THE FIELD, GLUED CONT.
6. TOP OF STEEL = +10'-3" UNLESS OTHERWISE NOTED.
7. 8R DENOTES ROOF RAFTER 800S162-54 @ 2'-0" O.C. MAX.
8. ► DENOTES MOMENT AND CONNECTION. SEE DWG. S-312.
9. ALL STEEL SHALL BE GALVANIZED.
10. 12R DENOTES HIP BEAM, 1200S250-97 [50KSI].
11. 12X DENOTES VALLEY BEAM AND RIDGE BEAM, 1200S162-97.
12. 10R DENOTES HIP BEAM, 100S162-97.
13. GUARD RAILING BASIS OF DESIGN KEEGUARD ROOF RAILING UPRIGHT CONFIGURATION BY SIMPLIFIED SAFETY, ROCHESTER NY OR APPROVED EQUAL. HANDRAIL GEOMETRY IS SHOWN SCHEMATICALLY AND FINAL HANDRAIL AND COUNTERWEIGHT LAYOUT BY MFR. COORDINATE COUNTERWEIGHT LOCATIONS TO CORRESPOND TO ROOF TRUSS LOCATIONS. 1
14. TOP CHORD OF SCISSOR TRUSS SHALL BE DESIGNED FOR A MAXIMUM UNBRACED LENGTH OF 7'0" AND NO PERPENDICULAR FRAMING AT THE APEX OF THE TRUSS.
15. SCISSOR TRUSS THRUST LOAD SHALL NOT EXCEED 2 KIPS (UNFACTORED) AT EACH BEARING POINT. FINAL TRUSS REACTIONS SHALL BE CONFIRMED BY TRUSS MANUFACTURER. SHOULD LOADING BE EXCEEDED NOTIFY DIRECTOR'S REPRESENTATIVE PRIOR TO FABRICATING TRUSSES.

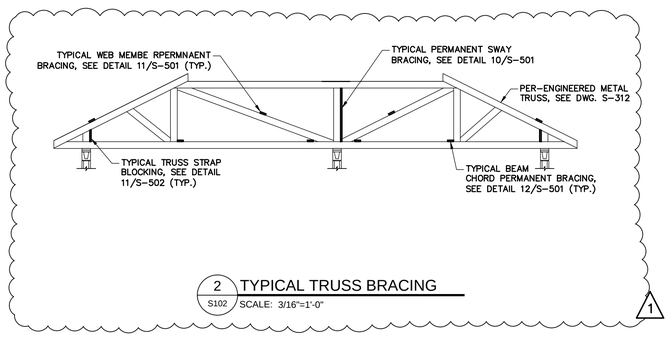
ROOF TOP UNITS

SYMBOL	TYPE	FOOT PRINT ON ROOF	WEIGHT	MIDWAY BATHROOM	RV PARK BATHROOM
EF	EXHAUST FAN	28" DIA	150 lbs	YES	YES
MAU	MAKE-UP AIR UNIT	7'-0" x 3'-0"	1,800 lbs	YES	NO
GH	GRAVITY HOOD	2'-0" x 2'-8"	100 lbs	NO	YES

1

NOTES:

1. ALL SIZES AND WEIGHTS ARE APPROXIMATE SEE SPECS FOR BASIS OF DESIGN EXACT SIZE AND WEIGHT. 1
2. SEE M-DWGS FOR EXACT LOCATION OF ALL UNITS.
3. SHOULD WEIGHTS OF FINAL SELECTED EQUIPMENT EXCEED THOSE LISTED ABOVE, NOTIFY OWNER'S REPRESENTATIVE. DO NOT SET UNITS ON TRUSSES UNTIL APPROVED BY OWNER'S REPRESENTATIVE. ALL REDESIGN AND CONSTRUCTION COSTS ASSOCIATED WITH HEAVIER EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND AT NOT ADDITIONAL COST TO THE STATE. 1



2 S102 TYPICAL TRUSS BRACING
SCALE: 3/16"=1'-0"

1

NOTE:

RESTROOMS ARE THE SAME AT MIDWAY AND RV SITE. (2) RESTROOMS WILL BE CONSTRUCTED AS PART OF THIS PROJECT.

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

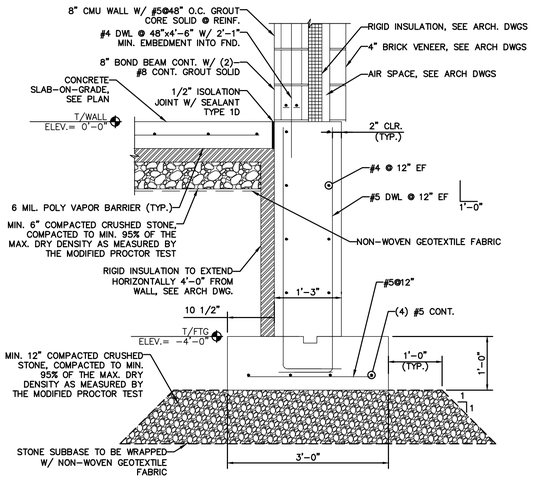
PROJECT NUMBER:	45331 – C
DESIGNED BY:	ABD
DRAWN BY:	SNP
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
RESTROOM ROOF FRAMING PLAN

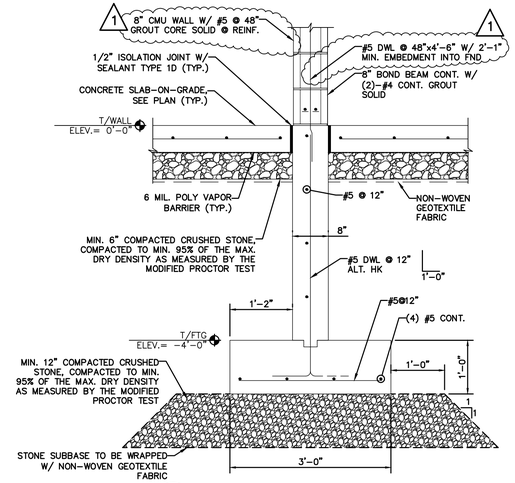
DRAWING NUMBER:
S-102

SHEET OF

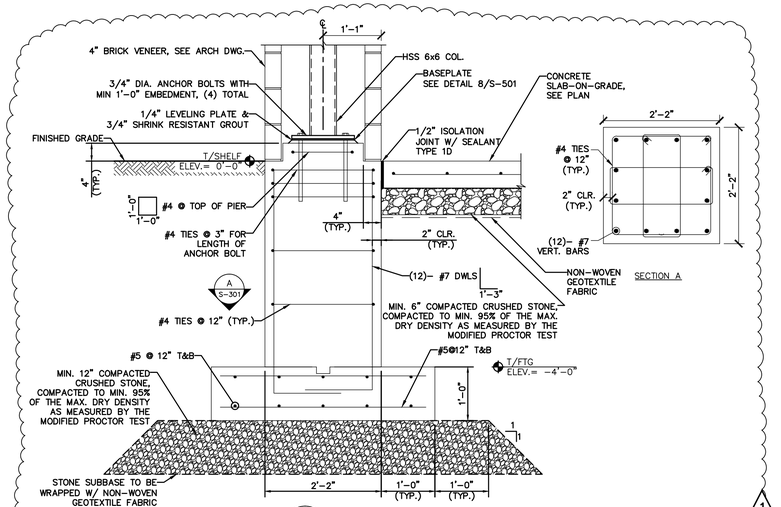
Jan 08,2016 – 11:32am
F:\mj915\MJ 915.XX New York State Fair\915.18 45331 NYSF Midway and RV Park\45331 S102 – FRM.dwg
36x24 PLOT SHEET



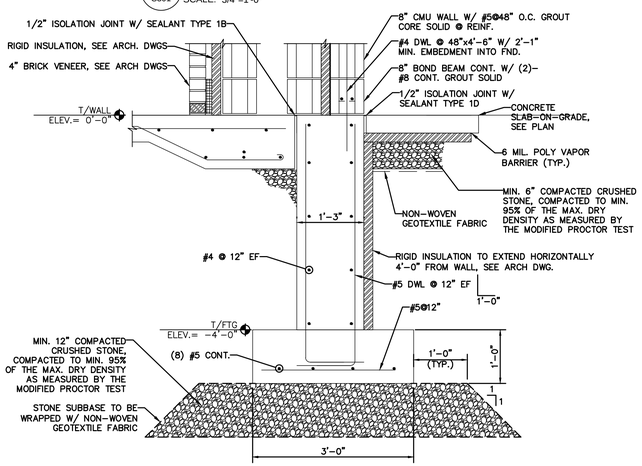
1 S301 TYPICAL EXTERIOR FOUNDATION WALL
SCALE: 3/4"=1'-0"



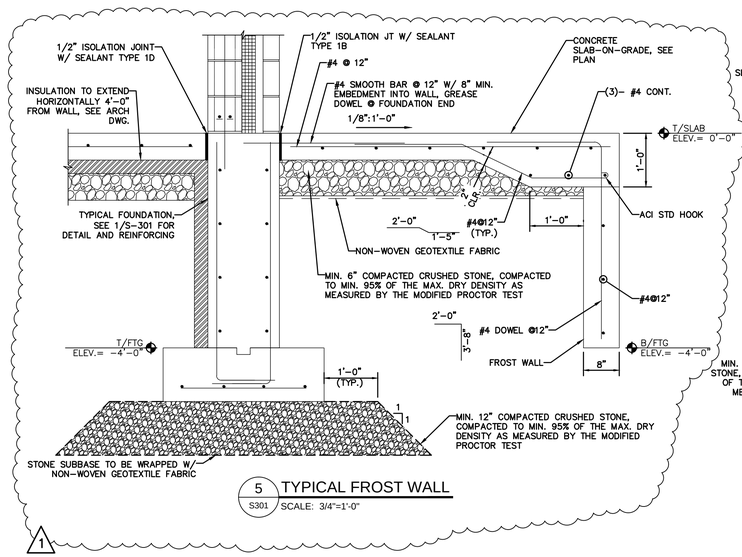
2 S301 INTERIOR FOUNDATION WALL
SCALE: 3/4"=1'-0"



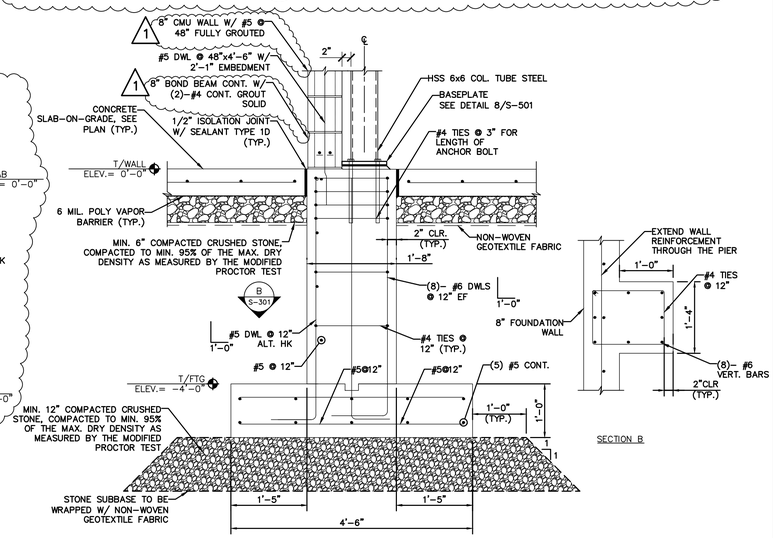
3 S301 TYPICAL PIER
SCALE: 3/4"=1'-0"



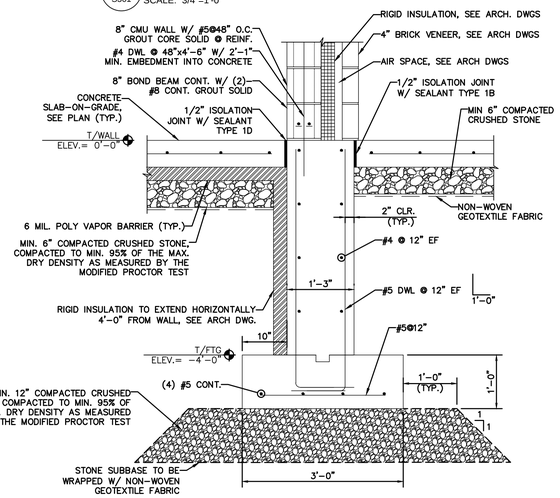
4 S301 FOUNDATION WALL @ CORRIOR BENCH
SCALE: 3/4"=1'-0"



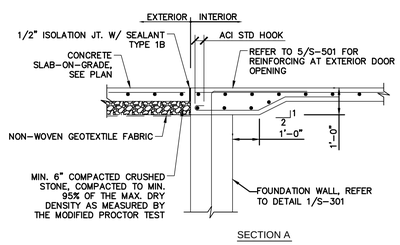
5 S301 TYPICAL FROST WALL
SCALE: 3/4"=1'-0"



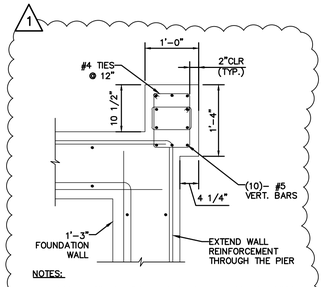
6 S301 PIER IN BATHROOMS
SCALE: 3/4"=1'-0"



7 S301 TYPICAL FOUNDATION WALL @ CORRIDOR
SCALE: 3/4"=1'-0"



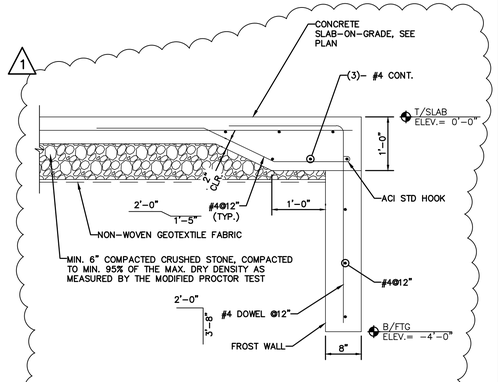
8 S301 SECTION @ DOOR OPENING
SCALE: 3/8"=1'-0"



NOTES:

1. COORDINATE LOCATION AND DIMENSIONS OF CONCRETE PIER WITH FINAL GATE POST SIZE AND LOCATION.
2. COORDINATE REQUIRED SLEEVES OR ANCHOR BOLTS REQUIRED FOR GATE POST WITH GATE MANUFACTURER.
3. CONTRACTOR SHALL LOCATE POST SLEEVE WITHIN PIER REINFORCING.

9 S301 PIER @ GATE
SCALE: 3/4"=1'-0"



10 S301 FROST WALL @ ENTRANCE
SCALE: 3/4"=1'-0"

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

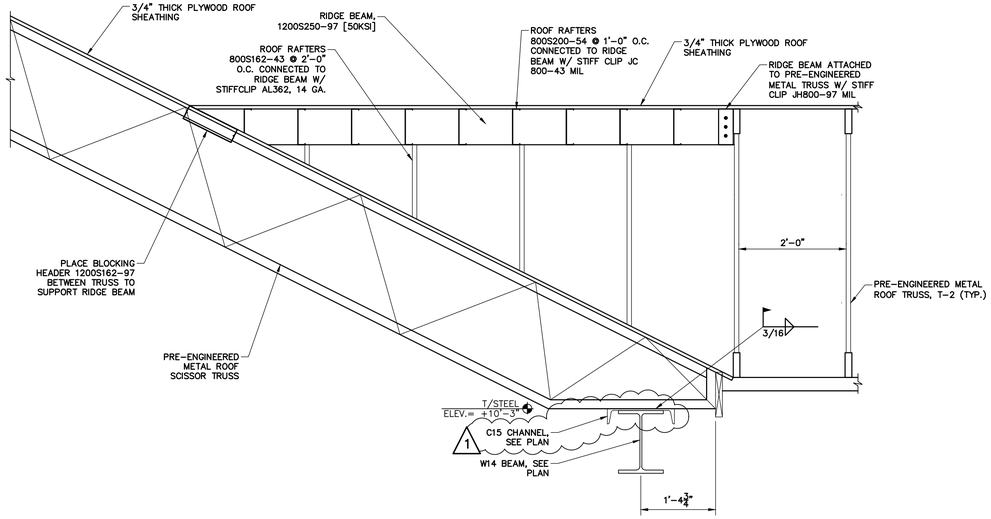
PROJECT NUMBER:	45331 – C
DESIGNED BY:	ABD
DRAWN BY:	SNP
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
FOUNDATION SECTIONS

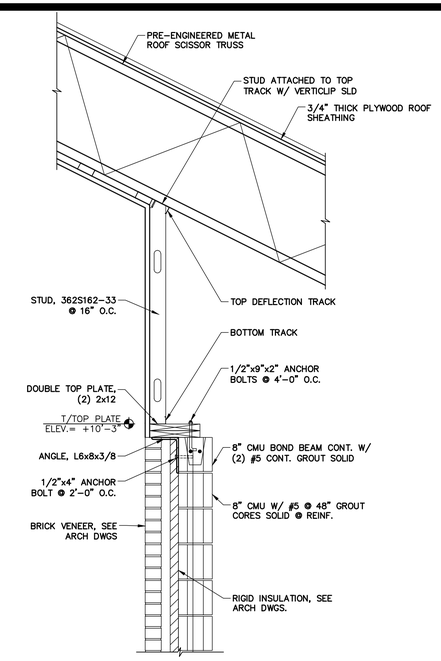
DRAWING NUMBER:
S-301

SHEET OF

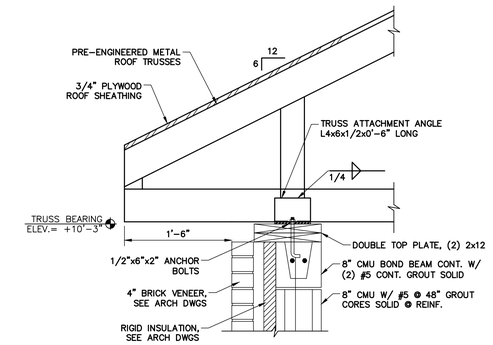
Jan 08,2016 – 11:32am
F:\ym915\Wj 915.XX New York State Fair\915.18 45331 NYSF Midway and RV Park\45331 S301 – FND SECT.dwg
36x24 PLOT SHEET



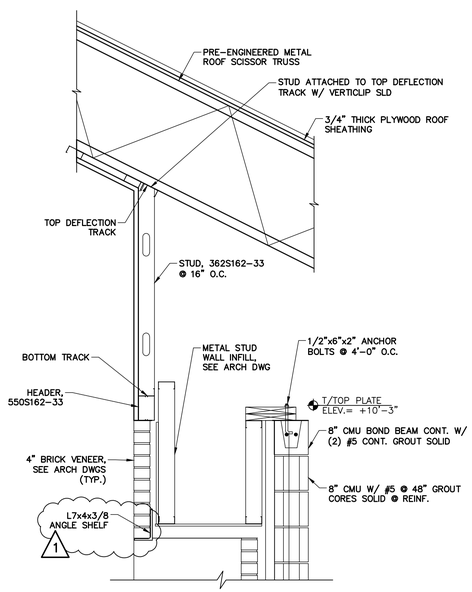
1 S311 SECTION @ BEAM
SCALE: 3/4"=1'-0"



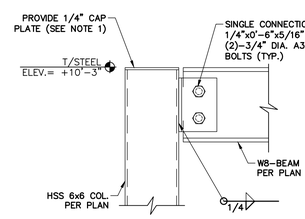
2 S311 SECTION @ CORRIDOR
SCALE: 3/4"=1'-0"



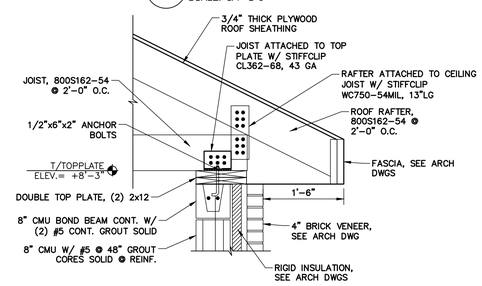
3 S311 TYPICAL TRUSS CONNECTION
SCALE: 1"=1'-0"



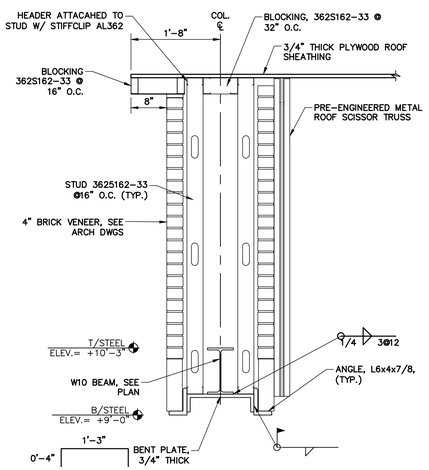
4 S311 SECTION @ BENCH
SCALE: 3/4"=1'-0"



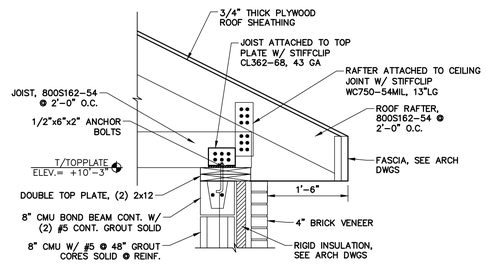
5 S311 W8 TO HSS6 CONNECTION
SCALE: 1 1/2"=1'-0"



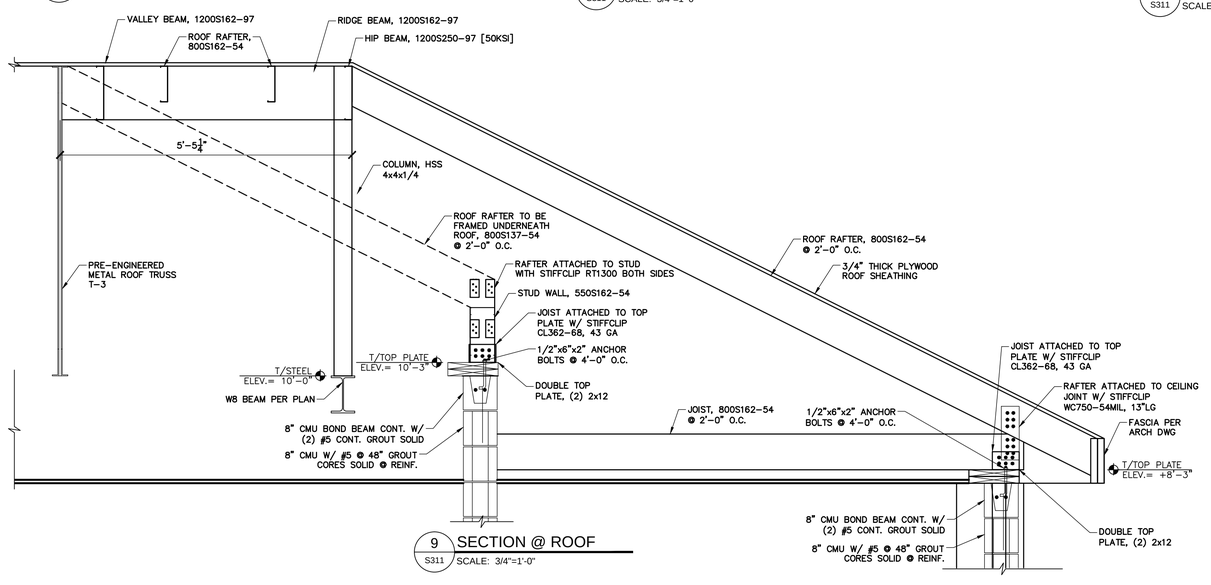
6 S311 SECTION @ ENDWALL
SCALE: 3/4"=1'-0"



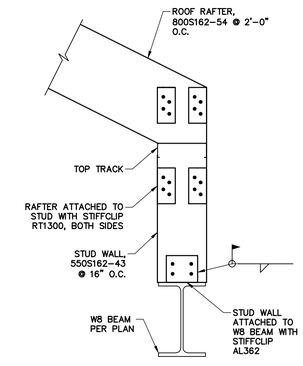
7 S311 SECTION @ ENTRANCE
SCALE: 3/4"=1'-0"



8 S311 SECTION @ ENDWALL
SCALE: 3/4"=1'-0"



9 S311 SECTION @ ROOF
SCALE: 3/4"=1'-0"



10 S311 RAFTER @ W BEAM CONNECTION
SCALE: 1 1/2"=1'-0"

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT: CONSTRUCTION

TITLE: PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION: NYS FAIRGROUNDS 581 STATE FAIR BOULEVARD SYRACUSE, NY 13209

CLIENT: NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

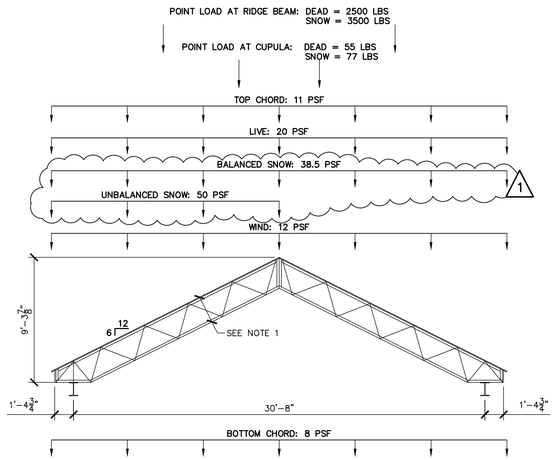
PROJECT NUMBER:	45331 – C
DESIGNED BY:	ABD
DRAWN BY:	SNP
FIELD CHECK:	
APPROVED:	

SHEET TITLE: ROOF FRAMING SECTIONS

DRAWING NUMBER: S-311

SHEET OF

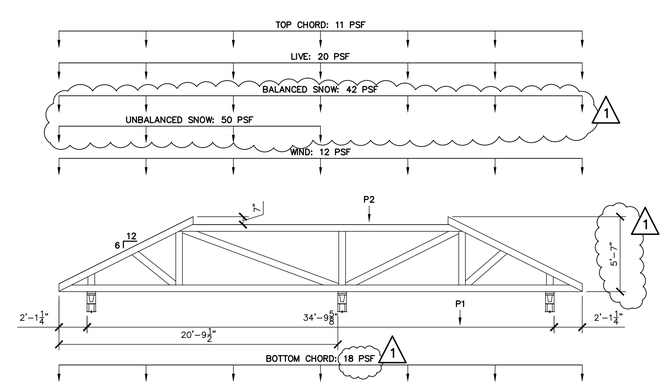
Jan 08,2016 – 11:32am
F:\m\915\MJ 915.XX New York State Fair\915.18 45331 NYSF Midway and RV Park\45331 S311 – RF SECT.dwg
36x24 PLOT SHEET



NOTES:

1. DEPTH OF SCISSOR TRUSS IS 2'-0" MAX.
2. DESIGN TRUSS FOR A NET WIND UPLIFT PRESSURE OF 20 PSF.
3. SCISSOR TRUSS THRUST LOAD SHALL NOT EXCEED 2 KIPS (UNFACTORED) AT EACH BEARING POINT. FINAL TRUSS REACTIONS SHALL BE CONFIRMED BY TRUSS MANUFACTURER. SHOULD LOADING BE EXCEEDED NOTIFY DIRECTORS REPRESENTATIVE PRIOR TO FABRICATING TRUSSES.

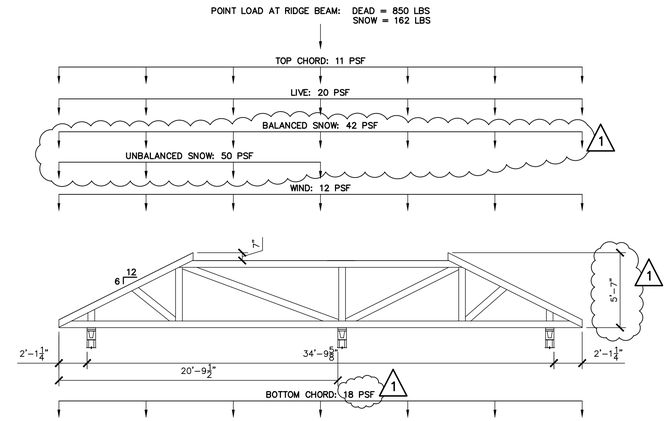
1 S312 PRE-ENGINEERED TRUSS T-1
SCALE: 3/16"=1'-0"



NOTES:

1. P1 DENOTES 300lb TOILET PARTITION LOAD. COORDINATE EXACT LOCATIONS W/ ARCH DWGS.
2. P2 DENOTES MECHANICAL UNIT LOAD. COORDINATE EXACT LOCATIONS AND WEIGHT W/ M-DWGS.
3. DESIGN TRUSS FOR A NET WIND UPLIFT PRESSURE OF 20 PSF.

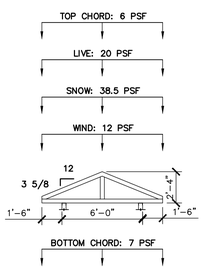
2 S312 PRE-ENGINEERED TRUSS T-2
SCALE: 3/16"=1'-0"



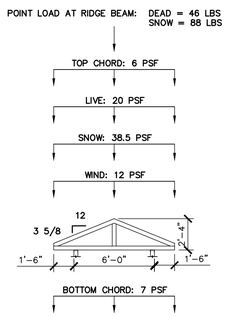
NOTES:

1. DESIGN TRUSS FOR A NET WIND UPLIFT PRESSURE OF 20 PSF.

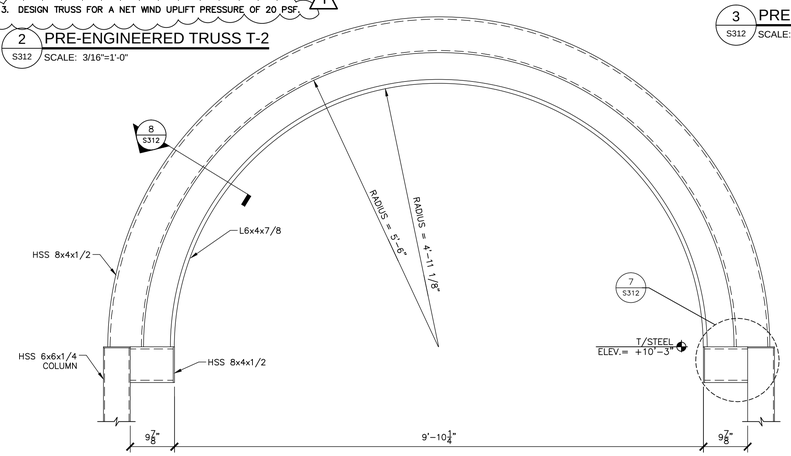
3 S312 PRE-ENGINEERED TRUSS T-3
SCALE: 3/16"=1'-0"



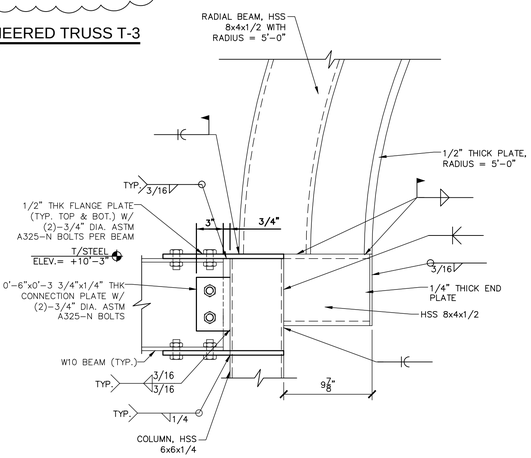
4 S312 PRE-ENGINEERED TRUSS T-4
SCALE: 3/16"=1'-0"



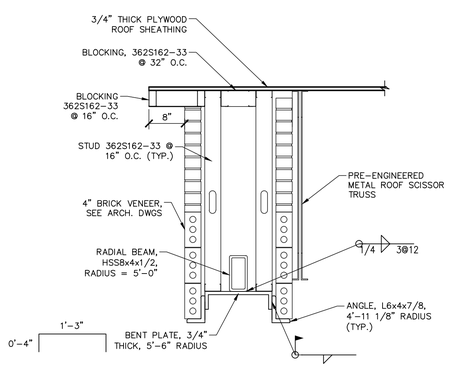
5 S312 PRE-ENGINEERED TRUSS T-5
SCALE: 3/16"=1'-0"



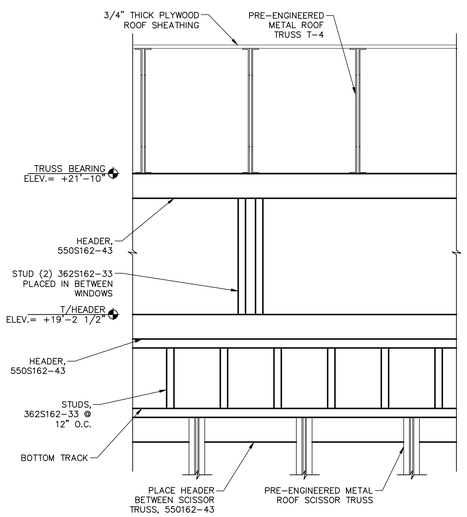
6 S312 ARCH ELEVATION
SCALE: 3/4"=1'-0"



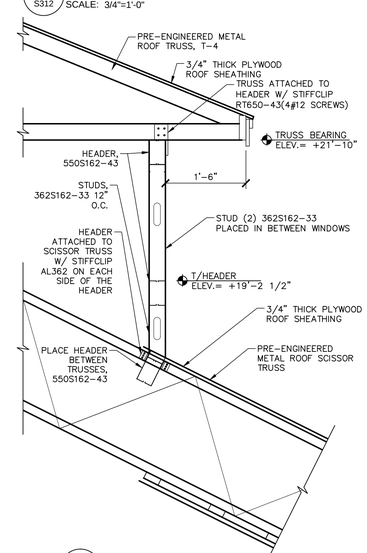
7 S312 DETAIL @ ARCH CONNECTION
SCALE: 1 1/2"=1'-0"



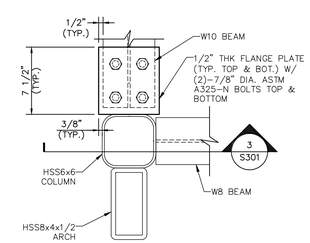
8 S312 SECTION @ ARCH
SCALE: 3/4"=1'-0"



9 S312 SECTION @ CUPULA
SCALE: 3/4"=1'-0"



10 S312 SECTION @ CUPULA
SCALE: 3/4"=1'-0"



NOTE:

TOP FLANGE PLATE TO SPAN OVER THE TOP OF THE COLUMN TO ACT AS CAP PLATE.

11 S312 TYPICAL MOMENT CONNECTION PLAN
SCALE: 1 1/2" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. Office of General Services

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CONSULTANT

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

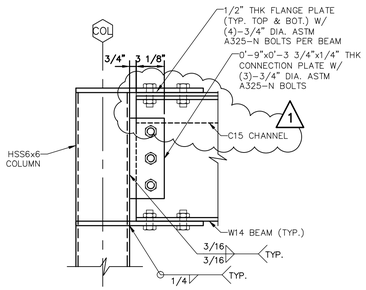
PROJECT NUMBER:	45331 – C
DESIGNED BY:	----
DRAWN BY:	----
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
TRUSS AND FRAMING SECTIONS

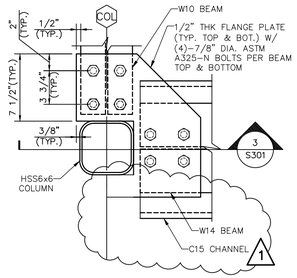
DRAWING NUMBER:
S-312

SHEET OF

Jan 08,2016 – 11:33am
F:\mj915\MJ 915.XX New York State Fair\915.18 45331 NYSF Midway and RV Park\45331 S312 – RF SECT.dwg
36x24 PLOT SHEET



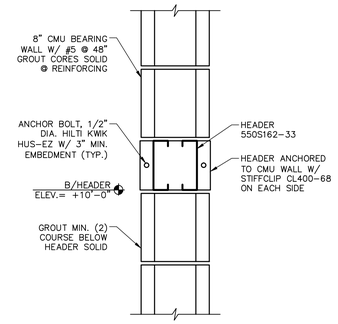
1 S313 DETAIL @ ARCH CONNECTION
SCALE: 1 1/2"=1'-0"



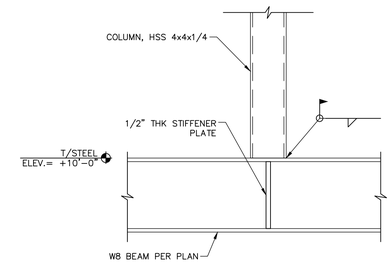
NOTE:

TOP FLANGE PLATE TO SPAN OVER THE TOP OF THE COLUMN TO ACT AS CAP PLATE.

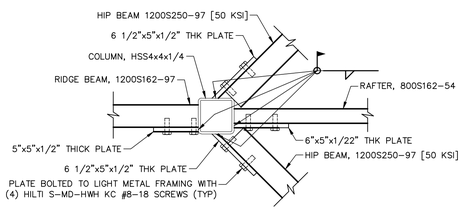
2 S313 TYPICAL MOMENT CONNECTION PLAN
SCALE: 1 1/2" = 1'-0"



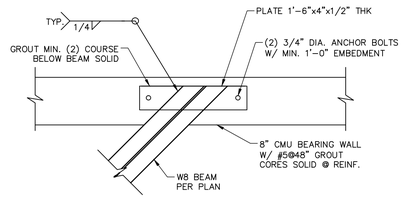
3 S313 HEADER CONNECTION
SCALE: 1 1/2" = 1'-0"



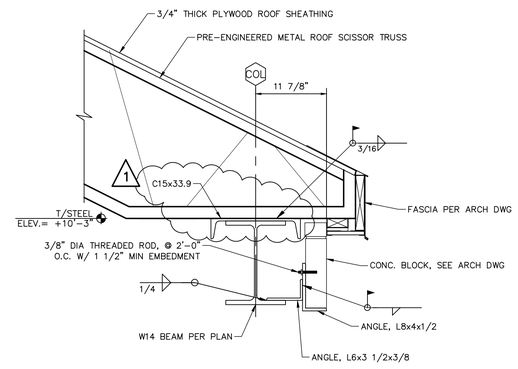
4 S313 SECTION @ COLUMN
SCALE: 1 1/2" = 1'-0"



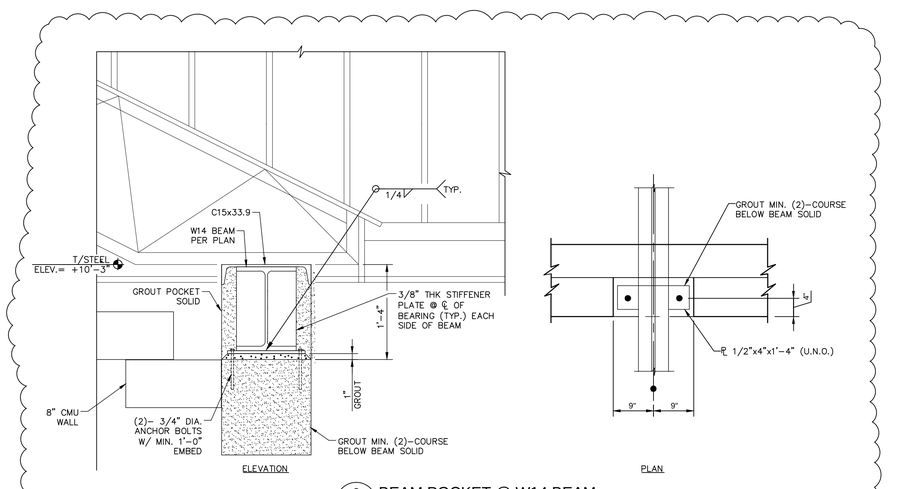
5 S313 SECTION @ COLUMN
SCALE: 1 1/2" = 1'-0"



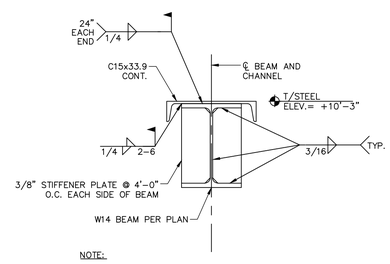
6 S313 W8 BEAM POCKET
SCALE: 1" = 1'-0"



7 S313 SECTION @ ENTRANCE FASCIA
SCALE: 1" = 1'-0"



8 S313 BEAM POCKET @ W14 BEAM
SCALE: 1"=1'-0"



NOTE:

1. PROVIDE 24" LONG, 1/4" FILLET WELD AT EACH END OF C15 ON EACH SIDE OF BEAM FLANGE.

9 S313 W14 W/ C15 DETAIL
SCALE: N.T.S.

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CONSULTANT

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

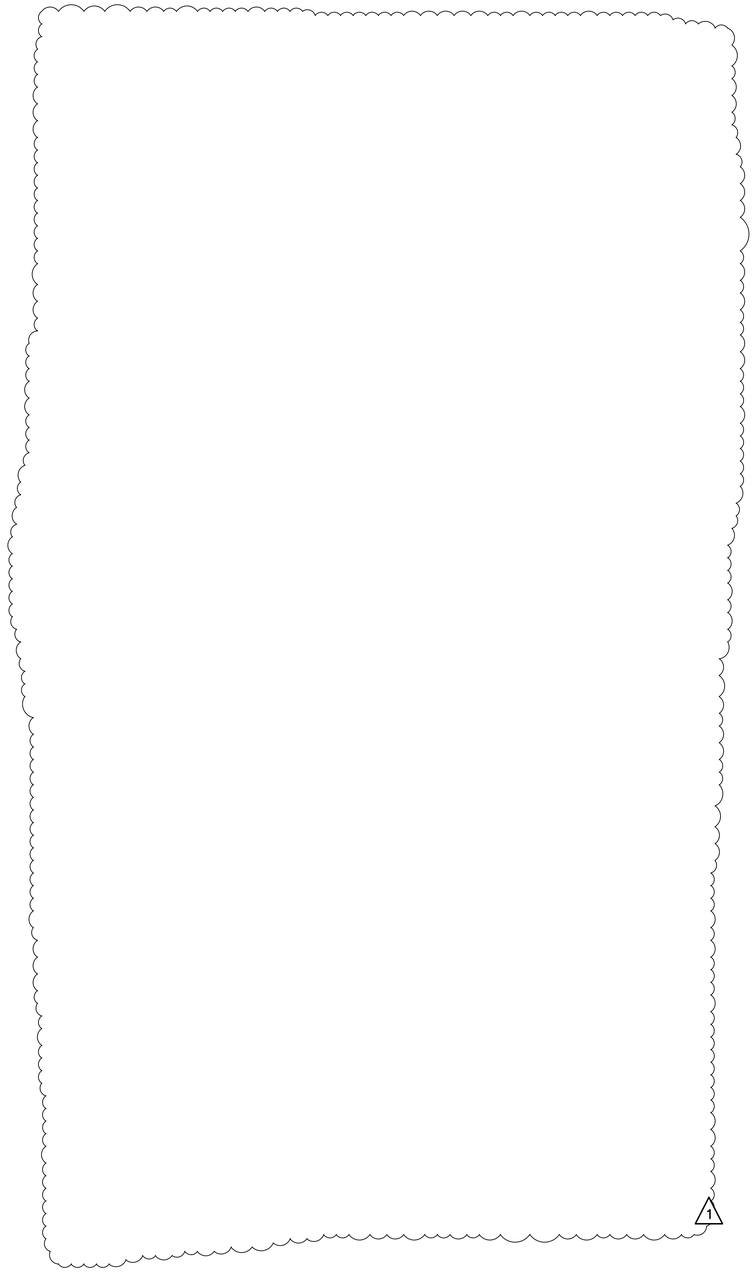
PROJECT NUMBER:	45331 – C
DESIGNED BY:	----
DRAWN BY:	----
FIELD CHECK:	
APPROVED:	

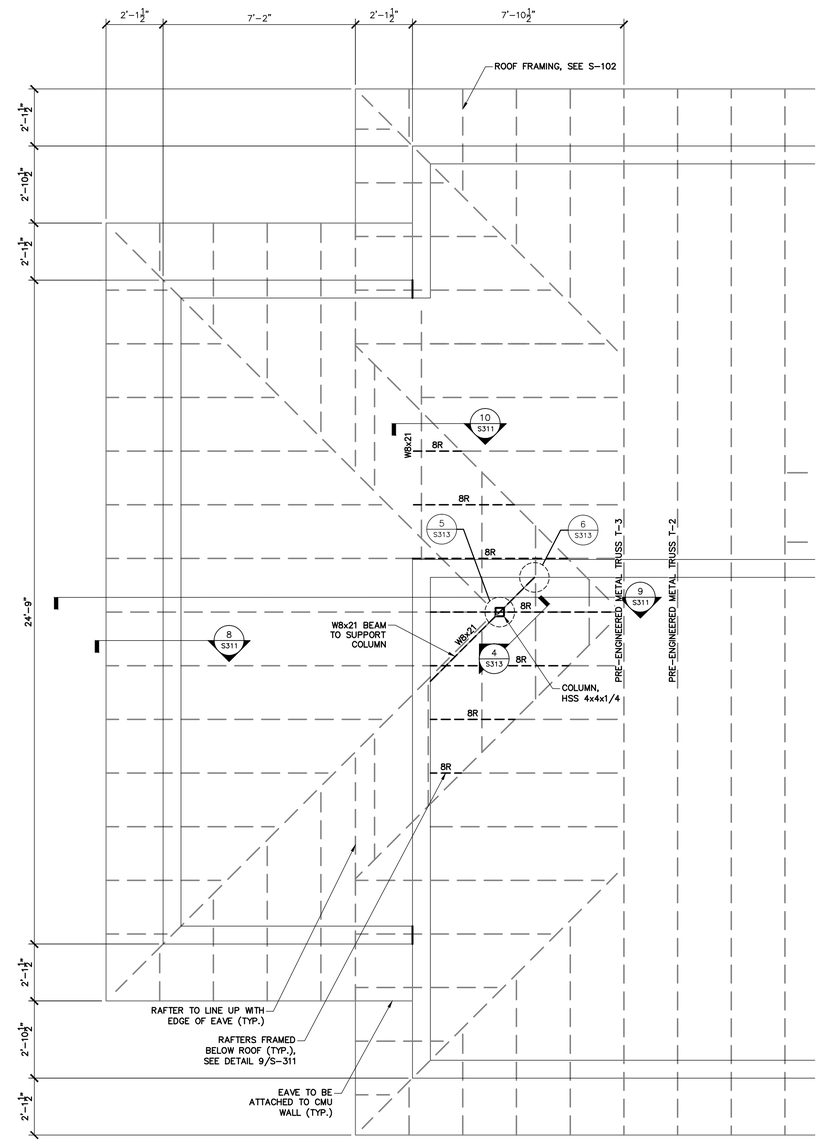
SHEET TITLE:
FRAMING SECTIONS

DRAWING NUMBER:
S-313

SHEET OF

Jan 08,2016 – 11:33am
F:\m\915\MJ 915.XX New York State Fair\915.18 45331 NYSF Midway and RV Park\45331 S313 – RF SECT.dwg
36x24 PLOT SHEET





1 / S401 ENLARGED FRAMING
SCALE: 3/8"=1'-0"

NOTES:

1. REFERENCE ELEV.= FINISHED FLOOR ELEV. = 0'-0 "= 377.4'(RV PARK).
   = 380.3' (MIDWAY)
2. FOR DIMENSIONS NOT SHOWN, REFER TO ARCHITECTURAL PLANS.
3. REFER TO METAL TRUSS NOTES ON DWG S-001 FOR TOP AND BOTTOM BRACING REQUIREMENTS.
4. REFER TO SECTIONS ON S-312 FOR TRUSS LOADING DIAGRAM.
5. ROOF SHEATHING SHALL BE 3/4" CDX PLYWOOD W/ 8d NAILS @ 6" O.C. ALONG THE EDGE AND 12" O.C. IN THE FIELD, GLUED CONT.
6. TOP OF STEEL = +10'-3" UNLESS OTHERWISE NOTED.
7. 8R DENOTES ROOF RAFTER, 800S162-54 @ 2'-0" O.C. MAX.
8. ALL STEEL SHALL BE GALVANIZED.

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DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

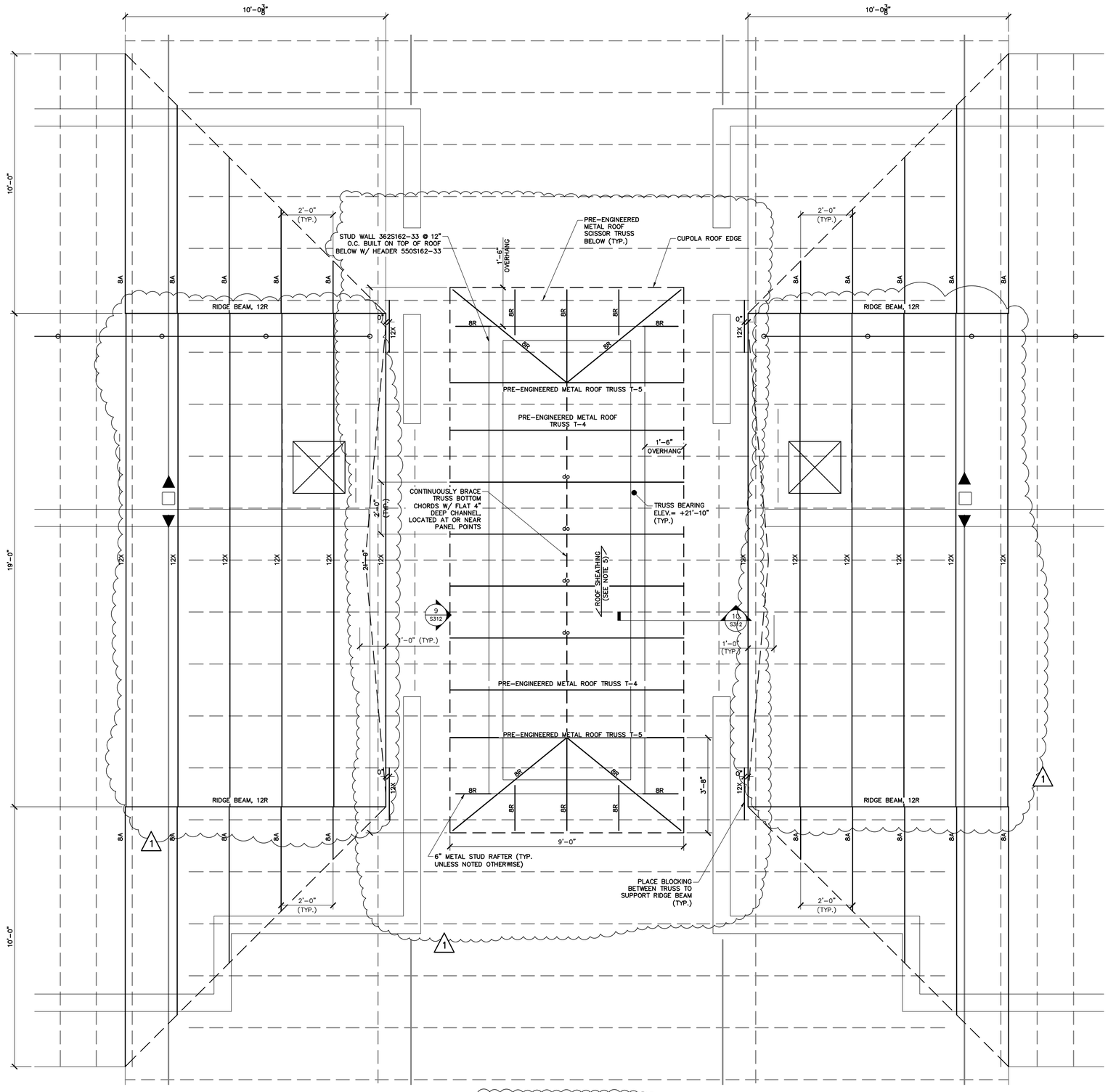
PROJECT NUMBER:	45331 – C
DESIGNED BY:	ABD
DRAWN BY:	SNP
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
RESTROOM ENLARGED FRAMING PLANS

DRAWING NUMBER:
S-401

SHEET OF

Jan 08,2016 – 11:33am
F:\mj915\MJ 915.XX New York State Fair\915.18 45331 NYSF Midway and RV Park\45331 S401 – FRM.dwg
36x24 PLOT SHEET



1 S402 ENLARGED FRAMING
SCALE: 1/2"=1'-0"

NOTES:

1. REFERENCE ELEV.= FINISHED FLOOR ELEV. = 0'-0 "= 377.4' (RV PARK).
   = 380.3' (MIDWAY)
2. FOR DIMENSIONS NOT SHOWN, REFER TO ARCHITECTURAL PLANS.
3. REFER TO METAL TRUSS NOTES ON DWG S-001 FOR TOP AND BOTTOM BRACING REQUIREMENTS.
4. REFER TO SECTIONS ON S-312 FOR TRUSS LOADING DIAGRAM.
5. ROOF SHEATHING SHALL BE 3/4" CDX PLYWOOD W/ 8d NAILS @ 6" O.C. ALONG THE EDGE AND 12" O.C. IN THE FIELD, GLUED CONT.
6. TOP OF STEEL = +10'-3" UNLESS OTHERWISE NOTED.
7. 8A DENOTES RAFTERS, 800S162-43 @ 2'-0" O.C.
8. 8B DENOTES RAFTERS, 800S250-68 @ 1'-0" O.C.
9. 12R DENOTES 1200S250-97 [50KSI].
10. 12X DENOTES 1200S162-97.

Jan 08,2016 - 11:34am
F:\mj915\MJ 915\XX New York State Fair\915.18 45331 NYSF Midway and RV Park\45331 S402 - FRM.dwg

36x24 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

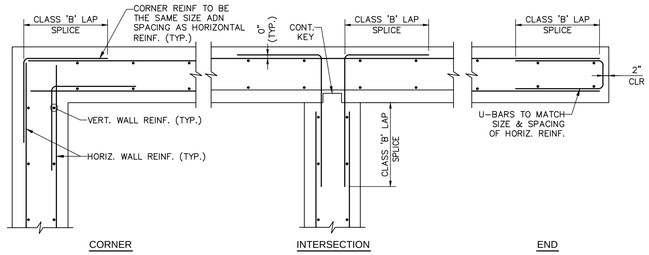
MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

PROJECT NUMBER:	45331 – C
DESIGNED BY:	----
DRAWN BY:	----
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
RESTROOM ENLARGED FRAMING PLANS

DRAWING NUMBER:
S-402

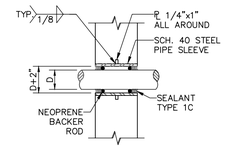
SHEET OF



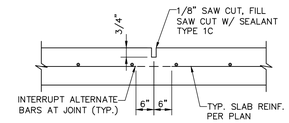
NOTE:

1. FOR WALLS WITH SINGLE REINFORCEMENT (I.E. REINF. BARS AT CENTER OF WALL, ETC.), USE REINF DETAILS SIMILAR TO ABOVE DETAILS.

1 / S501 TYPICAL HORIZONTAL WALL REINF.
SCALE: N.T.S.



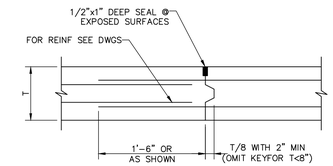
2 / S501 TYP. FDN WALL SLEEVE
SCALE: N.T.S.



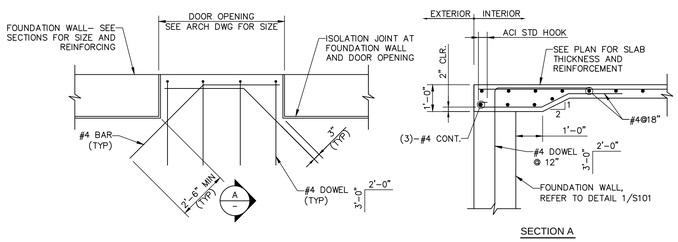
NOTE:

1. D = SLAB DEPTH x .25

3 / S501 TYP. SLAB-ON-GRADE CONTROL JT.
SCALE: N.T.S.



4 / S501 TYP. WALL/SLAB CONST. JT.
SCALE: N.T.S.



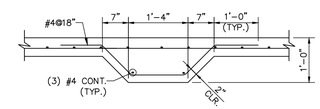
5 / S501 TYP. SLAB REINFORCING @ EXTERIOR DOOR OPENING
SCALE: N.T.S.

REINFORCING LAP LENGTHS		
BAR SIZE	MIN. LAP LENGTH (IN.)	MIN. EMBED LENGTH
4	25"	19"
5	32"	24"
6	38"	29"
7	55"	41"
8	63"	47"
9	71"	53"

NOTES:

1. TABLE TO BE INCLUDED ON ALL REINFORCED CONCRETE SHOP DRAWINGS.

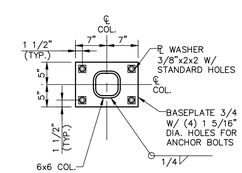
6 / S501 TYPICAL REINFORCING LAP LENGTHS
SCALE: N.T.S.



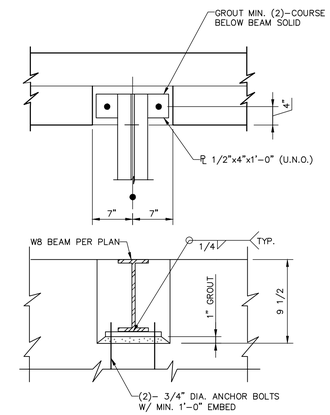
NOTES:

1. THICKENED SLAB TO BE PLACED AT ALL INTERIOR CMU WALLS. SEE ARCH DRAWINGS FOR LOCATIONS.

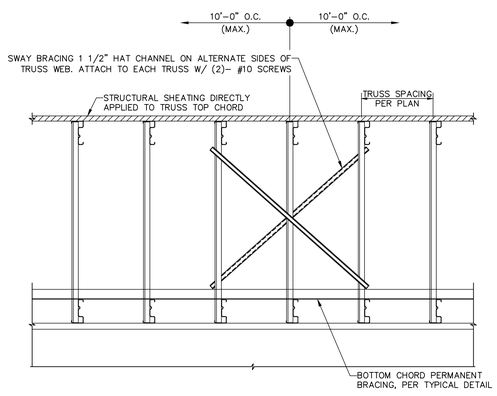
7 / S501 THICKENED SLAB
SCALE: N.T.S.



8 / S501 BASEPLATE
SCALE: N.T.S.



9 / S501 BEAM POCKET DETAIL
SCALE: N.T.S.

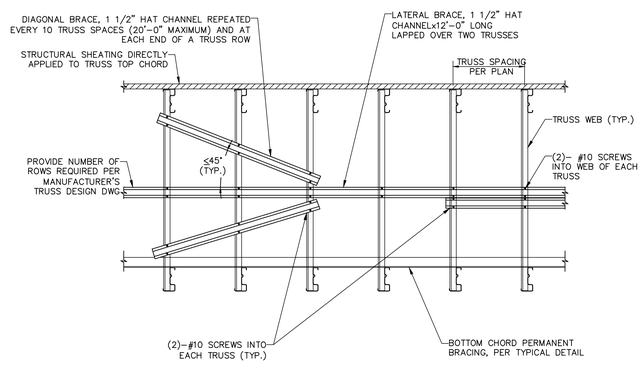


BEARING WALL

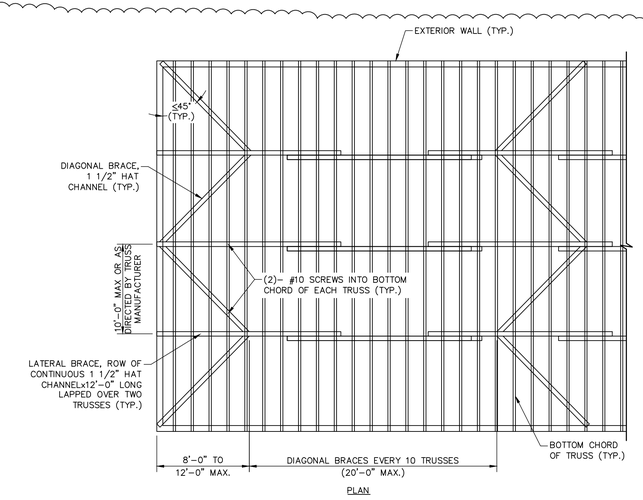
NOTES:

1. PROVIDE A MINIMUM OF ONE ROW OF SWAY BRACING AT THE MIDPOINT OF EACH TRUSS OR AT EACH BEARING WALL.
2. REPEAT SWAY BRACING EVERY 10'-0" MAX. AND AT EACH END OF A TRUSS ROW.

10 / S501 TYPICAL PERMANENT SWAY BRACING DETAIL
SCALE: N.T.S.



11 / S501 TYPICAL WEB MEMBER PERMANENT BRACING DETAIL
SCALE: N.T.S.



PLAN

NOTE:

1. THIS DETAIL IS FOR PERMANENT BRACING ONLY. TEMPORARY BRACING IS THE RESPONSIBILITY OF THE ERECTOR.

12 / S501 TYPICAL BOTTOM CHORD PERMANENT BRACING DETAIL
SCALE: N.T.S.

1

Jan 08,2016 – 11:35am
F:\Vn(915\MJ 915.XX New York State Fair\915.18 45331 NYSF Midway and RV Park\45331 S501 – SLAB DETAILS.dwg
36x24 PLOT SHEET

Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT
Engineering and Land Surveying, P.C.

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

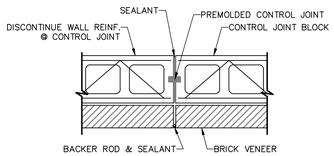
MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

PROJECT NUMBER:	45331 – C
DESIGNED BY:	ABD
DRAWN BY:	SNP
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
TYPICAL DETAILS

DRAWING NUMBER:
S–501

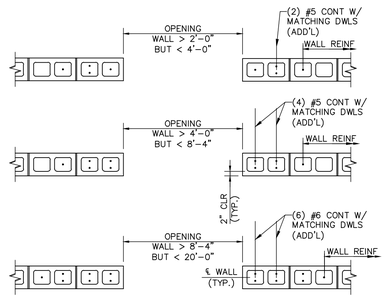
SHEET OF



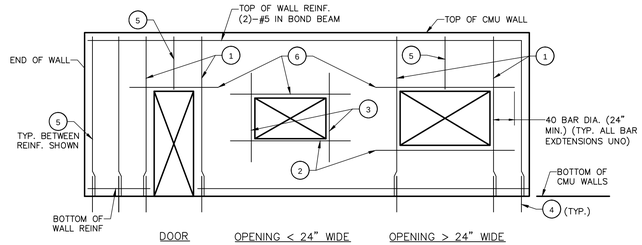
NOTES:

1. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR VENEER TIES.
2. ALIGN CONTROL JOINTS IN VENEER AND BACKUP.

1 S502 TYPICAL MASONRY CONTROL JOINT
SCALE: N.T.S.



2 S502 TYPICAL CMU WALL OPENING DETAIL
SCALE: N.T.S.



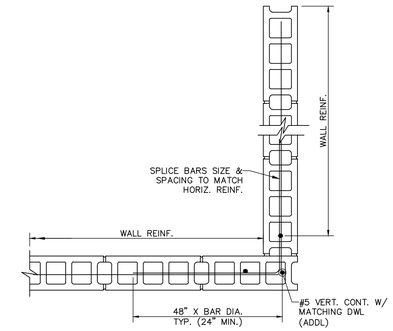
CODED NOTES:

1. SEE TYPICAL 8" CMU WALL OPENING DETAIL, THIS SHEET
2. SILL BARS. (2)-#5 IN BOND BEAM
3. (1)-#5 EACH SIDE
4. DOWELS TO MATCH SIZE AND SPACING OF WALL REINFORCING
5. BETWEEN BARS SHOWN, PROVIDE TYPICAL WALL REINFORCEMENT
6. SEE TYPICAL STEEL LINTEL SCHEDULE

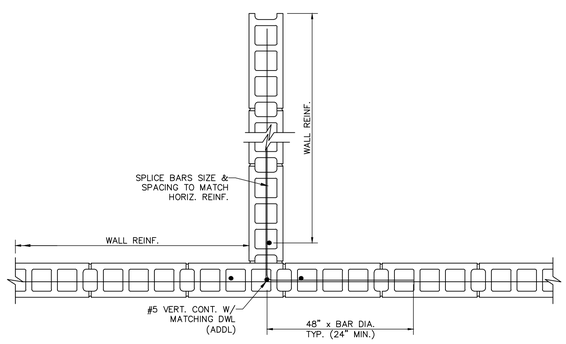
NOTES:

1. IF FULL LENGTH IS NOT AVAILABLE, EXTEND AS FAR AS POSSIBLE, HOOK 90°, THEN EXTEND. BEYOND BEND, REMAINDER OF LENGTH REQUIRED (NOT LESS THAN 12")
2. HORIZONTAL JOINT REINFORCEMENT SHALL BE LADDER TYPE W/ (2) CONTINUOUS W1.7 WIRES. SPACE REINFORCING 16" O.C. VERTICALLY AT EXTERIOR WALLS REINFORCEMENT SHALL BE HOT DIPPED GALVANIZED.

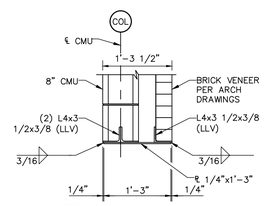
3 S502 TYPICAL MASONRY WALL SEISMIC REINFORCEMENT LAYOUT
SCALE: N.T.S.



4 S502 TYPICAL CMU WALL CORNER AND END WALL
SCALE: N.T.S.



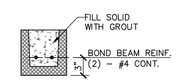
5 S502 TYPICAL CMU WALL INTERSECTION
SCALE: N.T.S.



NOTES:

1. ALL STEEL LINTELS IN EXTERIOR WALLS SHALL BE HOT DIPPED GALVANIZED.
2. WELD TOGETHER BACK TO BACK ANGLES TO FORM A SINGLE UNIT.

6 S502 TYPICAL EXTERIOR WALL LINTEL
SCALE: N.T.S.



NOTES:

1. USE LINTEL BLOCKS AT WALL OPENINGS AND USE KNOCK-OUT BLOCKS AT ALL OTHER LOCATIONS.
2. BOND BEAMS LOCATED AT FLOOR AND ROOF LEVELS TO HAVE REINFORCING CONTINUOUS THROUGH CONTROL JOINTS.
3. INTERMEDIATE BOND BEAMS TO HAVE HORIZONTAL REINFORCING DISCONTINUOUS AT CONTROL JOINTS.

7 S502 TYPICAL BOND BEAM REINFORCING DETAIL
SCALE: N.T.S.

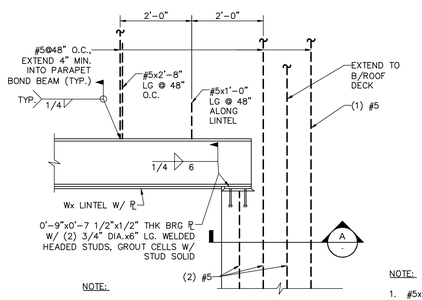
STEEL LINTEL SCHEDULE

WALL THICKNESS	LINTEL NUMBER	MASONRY OPENING WIDTH	LINTEL SIZE W/ 6" BRG. EA. END
8" - WALL (60psf)	L1	4'-0"	2 L4x3 1/2x3/8 LLV
8" - WALL (60psf)	L2	6'-0"	2 L4x3 1/2x3/8 LLV
8" - WALL (60psf)	L3	6'-4"	2 L4x3 1/2x3/8 LLV

NOTES:

1. TABLE INDICATES STEEL LINTELS FOR NON-LOAD BEARING MASONRY WALLS. WEIGHT OF MAS. UNITS, AS SHOWN IN TABLE, IS POUNDS PER SQUARE FOOT OF FACE AREA OF WYTHE INDICATED.
2. FOR GREATER WYTHES, HEAVIER MATERIALS, BEARING WALLS AND LARGER OPENINGS, SEE STRUCT. DWGS.
3. IF NO LINTEL NOTED ON STRUCT. DWGS, USE ABOVE SCHEDULE. SEE ARCH., STRUCT., MECH. & ELEC. DWGS FOR LOCAITON OF OPENINGS.
4. ALL EXTERIOR LINTELS TO BE GALVANIZED PRIOR TO PAINTING.
5. GROUT CORES IN MASONRY WALL FOR 16" BELOW LINTELS, MIN.
6. WELD TOGETHER BACK-TO-BACK LINTELS.
7. DO NOT LOCATE CONTROL OR EXP. JOINTS ABOVE LENGTH OF LINTEL.
8. SEE DETAIL 6/S502 FOR EXTERIOR WALL LINTELS.

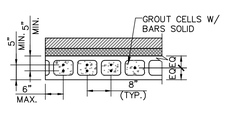
8 S502 TYPICAL STEEL LINTEL SCHEDULE
SCALE: N.T.S.



NOTE:

1. CMU AROUND LINTEL NOT SHOWN FOR CLARITY

PLAN VIEW

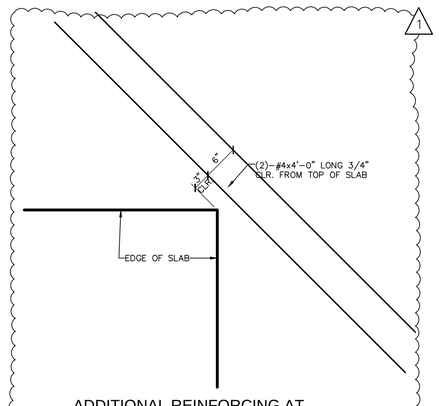


NOTE:

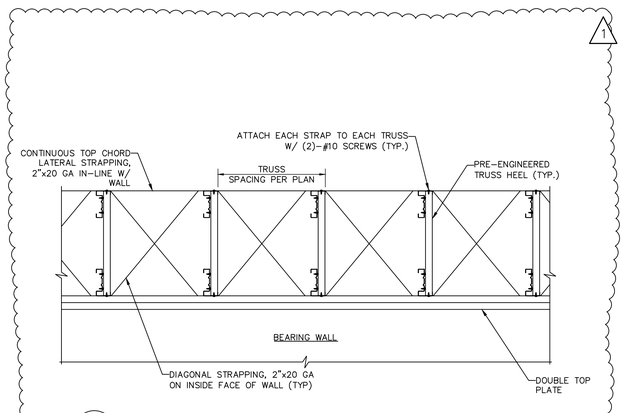
1. #5x4'-8" LG. DOWELS EMBEDDED 2'-0" MIN. INTO REINF. CONC. FND. WALL AT EACH VERT. BAR.

SECTION A

9 S502 TYPICAL LINTEL BEARING DETAIL
SCALE: N.T.S.



10 S502 ADDITIONAL REINFORCING AT RE-ENTRANT CORNERS IN SLAB-ON-GRADE
SCALE: N.T.S.



11 S502 TYPICAL TRUSS/RAFTER STRAP BLOCKING DETAIL
SCALE: N.T.S.

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CONSULTANT

Engineering and Land Surveying, P.C.

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE EXPANDED MIDWAY AND RV SITES

LOCATION:
NYS FAIRGROUNDS
581 STATE FAIR BOULEVARD
SYRACUSE, NY 13209

CLIENT:
NYS DEPARTMENT OF AGRICULTURE & MARKETS

MARK	DATE	DESCRIPTION
1	01/08/16	ADDENDUM 2
	12/04/15	FINAL SUBMISSION

PROJECT NUMBER:	45331 - C
DESIGNED BY:	ABD
DRAWN BY:	SNP
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
TYPICAL DETAILS

DRAWING NUMBER:
S-502

SHEET OF

New York State Fairgrounds Project Site Safety Program

Date: December 4, 2015

New York State Fairgrounds Project Site Safety Program

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Administration Management

Policy Statement

The Project Site Safety Program embodies the policies and procedures for the prevention of injury, environmental impact, property damage, fire, and occupational illness. **No single feature of our work is of greater importance.** It is the intention of the Project to commit each day to maintaining an incident-free workplace. There is never an acceptable reason for compromising safety. This document, Trade Contractor utilization, and site field activities are all designed to support and reinforce the goal.

It is the policy of the Project to provide a safe place to work at all times and to conduct all operations in a manner as to provide protection for all individuals who might come into contact with these operations. The Trade Contractors and Trade Contractor Subcontractors, and all others employed on this site, as well as anyone who comes on the site for any reason during construction, are expected to conduct their work in a safe manner and are required to comply with the established safety programs. By contract, every Trade Contractor on this site is obligated to conform to the requirements of the Federal Occupational Safety and Health Act of 1970 (OSHA) and all additions and revisions thereto, as well as other applicable Federal, State and Local requirements and the Project Site Safety Program. The purpose of this program is to provide a construction environment and culture that reinforces and encourages the:

- Overall prevention and /or elimination of injuries and hazardous exposures to all Trade Contractors and Trade Subcontractors during the construction of the New York State Fairgrounds Project.
- Provide the tools, prescriptive measures, and processes to identify, evaluate, prevent, control, and eliminate all workplace hazards, risks, and hazardous exposure to Trade Contractors and Trade Subcontractors during the construction of the New York State Fairgrounds Project.
- Provide consistency and establish minimum expectations for all Trade Contractors during the construction of the New York State Fairgrounds Project.
- Provide expectations for the minimization of effects to the environment and limit property damage.
- Provide guidance and feedback between contracting companies and the Construction Manager, to continuously improve the overall efforts to protect individuals and property.
- Provide general expectations for the personal conduct and professional respect for Trade Contractors as well as others during the construction of the New York State Fairgrounds Project.

All supervisory Trade Contractors must accept their responsibility for the prevention of incidents and for conducting all operations under their direction in a safe and efficient manner. The results of our safety efforts will affect our overall success in constructing the Project. **Our goal is to provide an incident and injury free worksite** with traditional defect-free quality. We know this is the most efficient method and that all individuals working on this Project will subscribe to the Project Site Safety Program. With the cooperation, dedication, and assistance of everyone, this will be a successful and safe Project.

Management Statement of Final Authority

All persons who come into the work area, for any reason during construction, will be required to comply with the established safety regulations that govern the Project.

Trade Contractors are committed by contract to observe and comply with all applicable safety regulations and procedures. Each Trade Contractor will participate in the Project Site Safety Program.

If the Construction Manager or any agent of the Owner (i.e. Office of General Services) finds the Trade Contractor(s') work areas or individuals being, or acting in noncompliance with the Occupational Safety and Health Act of 1970 (OSHA), as amended, or any other applicable regulations (including this Project Site Safety Program), The Construction Manager shall have the authority to order immediate correction and cessation of the non-compliant occurrence. **Non-compliance with Project Site Safety Program and Regulations will be grounds for Trade Contractor dismissal and/or Trade Contractor(s) being forbidden entry onto the Project**. All costs of correction shall be borne by the Trade Contractor deemed responsible. The Construction Manager's decision of responsibility shall be final.

Nothing contained herein, however, shall serve to relieve the Trade Contractor of his liabilities and/or obligations under the "Occupational Safety and Health Act of 1970" and all additions and revisions thereto, as well as all other applicable Federal, State and Local requirements

Purpose

The purpose of this program is to provide, promote, and encourage an Incident and Injury Free Construction Environment. This program encourages the planning, overall prevention, and elimination of incidents and hazardous exposures to all Trade Contractors associated with the construction of the New York State Fairgrounds Project.

Definitions

Construction Manager

The Construction Manager (Gilbane Building Company) has been employed by OGS(Owner) to manage, represent, and oversee the states interests in the construction of the New York State Fairgrounds Project. As such, The Construction Manager has certain rights and authority, including implementation of this Project Site Safety Program which is part of the contract documents for Trade Contractors who have been selected to perform work at the New York State Fairgrounds Project location.

Contract

A written agreement between the Owner and The Construction Manager, between The Owner and a Trade Contractor, or between Trade Contractor(s) and its (their) Trade Subcontractor(s)

Trade Contractor

Any company performing work under contract, vendors performing work, or supplier furnishing materials at the New York State Fairgrounds Project site

Trade Contractor

The Trade Contractor, employees of Trade Contractors, Trade Subcontractors, and Vendors.

Safety Attachments (Forms and Permits)

Attached to the safety program and part thereof

- Any attachment referenced in the Safety Program can be obtained from the Construction Manager.
- In many cases the Construction Manager written approval is required in order to proceed with the job

Roles and Responsibilities

The Construction Manager Project Manager

- The Project Manager directs and administers the Safety Program on this Project. All reports, surveys, incident reports, and other information relating to safety are to be submitted to the Project Manager
- The Project Manager establishes a safety organization to assure the involvement of all personnel in the safety effort and to provide for their participation
- The Project Manager appoints the Project Safety Manager and Project Superintendents, as his representative to monitor all safety activities on the site
- The Project Manager evaluates individual Trade Contractors and Trade Subcontractor's safety performance for compliance with all applicable Federal, State, local, The

Construction Manager

The Construction Manager Safety Manager

Is responsible for:

- The implementation and oversight of the Project Safety Program
- The review and acceptance of all safety related Trade Contractor submittals, both during pre-construction and construction activities (including Site Specific Safety Plans)
- The review and acceptance of Trade Contractors prior to bid
- The inspection and evaluation of Trade Contractor activities related to the safety of personnel on site
- Reporting safety performance of the Project and its' Trade Contractors and Trade Subcontractors on a regular basis to the Project Manager.
- Providing new Trade Contractors and Trade Subcontractors employees stickers/badges after new hire safety orientation is complete
- Resource services to all Project personnel
- The creation and distribution of Incident Communications
- The review and revision of the Project Safety Program in accordance with 'lessons learned' from Incident Investigations and the publication of best practices by relevant sources

The Construction Manager Project Superintendent

Is responsible for:

- The active control of the Project Safety Program
- Planning and requiring all work to be done in compliance with the Project Safety Program
- Documented Weekly inspections relating to safety
- Daily coordination and communications

The Construction Manager Management Team

The Construction Manager will utilize all members of the management team to continually monitor and assess each Trade Contractor's conformance to the Safety Program. Corrective action shall be taken immediately to eliminate any discrepancy, hazard, or non-compliance(s) to the Safety Program observed during the assessment.

Trade Contractors shall be monitored as a minimum on the following:

- New worker Trade Contractor company health and safety orientations are being conducted
- Supervisory safety orientations are being conducted and supervision understands the Project safety requirements and their responsibilities
- Trade Contractor management is taking a proactive approach in promoting and enhancing the Project Safety Program
- Incident management (injuries and near misses) in terms of case management is being performed
- Following and participating in the Project Substance Abuse Program
- Good housekeeping practices are part of the everyday work planning
- Weekly toolbox and daily pre-job meetings are being conducted and providing up-to-date safety information to workers
- The safest work practices are selected and followed
- Work tasks are properly planned for safety, and documented using the Pre-Construction Safety Plan (See Attachments) the Pre-Job Safety Checklist (See Attachments) or similar forms
- Supervision is continually reviewing safe work practices and procedures used by their crews and initiating corrective action when necessary
- Incident reporting and investigations by management and supervision are complete and timely
- Appropriate PPE (Personal Protection Equipment) is used
- Effective fire protection and prevention along with hot work procedures are followed
- Safety signs and barricades are used effectively and appropriately
- Scaffolds are erected by a trained crew, under the supervision of a competent person
- Scaffolds are inspected daily by a competent person
- Scaffold use is appropriate for the job or task
- Excavation and trenching techniques are appropriate
- Confined space procedures are adhered to
- Task specific fall protection and procedures are complied with
- Use of respiratory protection is appropriate and when required, training, physical and medical evaluation are performed and documented
- Powered Industrial Vehicles (PIV) training is up to date and documented
- Powder actuated tool training and certification is documented
- Hazard Communication procedures are complied with
- MSDS's are current and on site, with revised copies supplied to The Construction Manager.
- The safest material handling and rigging procedures are used

Trade Contractors

Commitment and Responsibilities Agreement

- Each Trade Contractor, Vendor, and other third party employer who intends to perform work on this Project shall commit to complying with the health and safety Rules, regulations, and procedures contained in this Project Site Safety Program
- When a Trade Contractor has a more stringent work practice or procedure as part of their Safety Program, the Trade Contractor shall be required to abide by their program
- Each Project Trade Contractor shall understand his or her responsibilities with regards to health and safety
- Trade Contractor Project management or supervision shall communicate the health and safety policies and procedures to all vendors and third party individuals having business on this Project regardless of tier
- Trade Contractor Project management shall ensure that Trade Subcontractors, vendors, and third party individuals understand the Safety Program, expectations and their defined responsibilities for this Project
- Every Project manager, supervisor, and / or Trade Contractor shall be held accountable for their health and safety performance on this Project

Trade Contractor Safety Training

All Trade Contractors and Trade Subcontractors employees who work or manage work on the site, must meet specific New York State Fairgrounds Project safety training requirements. This includes, but is not limited to attendance at a mandatory orientation onsite prior to commencing any physical work onsite.

Supervision and Management

- All Managers (including off site) associated with the Project, who may spend time at the site, (including Project Managers, Superintendents, General Foremen, and Foreman) who request unescorted access to the New York State Fairgrounds Project, shall have successfully completed the OSHA 30 Hour Construction Safety Course
- It is the responsibility of the Trade Contractor involved to maintain compliance with this requirement.
- Newly promoted or appointed Trade Contractors must fulfill these requirements within forty-five (45) days of that appointment or from the first day assigned to New York State Fairgrounds Project

Trade Contractor Subcontractors

- All Trade Contractor Trade Subcontractor employees (field) that do not apply to the above section must have successfully completed the OSHA 10 hour Construction Safety Course within the last seven (7) years.
- If any of the personnel named above have previously met the requirement, but have not attended a class within the last seven (7) years the requirement shall be current or access will be denied until proof of training has been received.

- It is the responsibility of the Trade Contractor involved to maintain compliance with this requirement.

Special Conditions

- Vendor representatives required on-site for special inspections, start-ups, or for other reasons are not required to meet the above requirements if:
    - They do not work with tools, but only supervise and monitor others, and
    - Shall be on site less than five (5) days, and
    - Do not have direct responsibility for any workers or others on site
    - If any of the above does not apply, they shall meet the requirements of this section
- Specialty Trade Contractors - Short Term and / or Limited Exposure
    - In the event specialty Trade Contractors have a limited exposure or scheduled time on-site, this requirement may be waived by the Construction Manager.
    - If the requirement for this training is waived, the Construction Manager shall develop a plan that ensures the Trade Contractor for which a waiver is granted is appropriately trained and monitored
- Specialty Trade Contractors - Long Term and / or Medium/High Exposure
  for a large tasks or operations, well known in advance, the training requirements of this section shall apply

Workers of Foreign Cultures

When Trade Contractor Trade Contractors utilized at the Project are not fluent in English, or are not under the jurisdiction of OSHA, the following requirements shall be met in order to maintain safety, security, and coordination.

- The foreman must be fluent in English and also fluent in the language of the Trade Contractors
- For every five (5) workers on site that cannot speak English, the employer shall have a person that is fluent in English and the language of the Trade Contractors
- At no times while on site, shall the Trade Contractors of the Trade Contractor that are not fluent in English be left unattended without an English speaking representative fluent in the language of the Trade Contractors on site. This applies to shift work and off hours work also
- The English speaking representative is not allowed to work more than a normal shift / work week for the Trade Contractor to meet the English speaking representative per shift requirement of the program
- The Trade Contractor shall provide adequate interpretation services for the orientation process, training, and other activities that require communication to the non-English speaking Trade Contractors. (Special Safety Training and Orientation will be required)

Trade Contractor Responsibility to Safety on the Project

The Construction Manager requires all Trade Contractors to understand and implement recognized BEST PRACTICES. Best Safety Practices must be integrated into the day to day operations of the Organization and Project. **Best Practices** are (but not limited to):

- Demonstrated management commitment
- Staffing for safety

- Planning: pre-Project and pre-task
- Safety education: orientation, specialized training, and continued (updated) training
- Worker involvement / participation
- Evaluation and recognition / award
- Subcontract management
- Incident investigations
- Injury management policy and process
- Drug and alcohol testing
- Continuous feedback and process improvement implementation

First Aid Medical Training

Each Trade Contractor shall have one First Aid/CPR trained individual on the Project and inform the Construction Manager of their name. The intent is to provide another tool in the field to assist a fellow Trade Contractor who may need immediate medical assistance.

Trade Contractor Safety Planning

The Construction Manager expects and demands that all Trade Contractors selected to work on the Project embrace and practice safety planning for every phase and function, from quoting a job to it's completion on the Project.

Safety planning starts with understanding the Project requirements (Project Safety Program) prior to submitting the quotation. It requires the authority, resources, and funds to integrate the Trade Contractor's safety plan into their bid proposal. Project safety planning continues daily as the work and issues change. Safety planning ends with the Project summary and associated feedback. Safety planning on the Project will be a continuous cycle.

Proper safety planning should encompass the following phases of a Project or contract:

- Safety planning for quotation submittal
- Safety planning for the site specific safety plan
- Pre-task (work) planning
- Daily task review for safety / tailgate meeting / Brief shift briefing
- It is required that Foremen of major disciplines (e.g. Civil, Mechanical, Electrical, etc.) and key subcontractors meet onsite at 6:45 A.M. with onsite Management to review the daily work. Followed, at 07:00 A.M. all tradespeople must be oriented on the daily activities and where a Job Hazard Analysis may be performed.

Safety planning for the quotation submittal should include, but not limited to, the following:

- Time included for company safety director to visit and audit the site on a periodic basis
- Resources included for site specific plan development, review and updating
- Resources included for preparation and monitoring of Project required task specific plans. i.e. excavation, fall protection, rigging, work access
- Resources included for preparation and submittal of all Project required permits, inspections, reports, meetings, and administration

- Adequate funds included for safety related functions (safety representative, meetings, etc.), equipment (routine and specialized), and housekeeping (Including the time for on-site coordination and training, when required)

Site Specific Safety Plan

Trade Contractors and Trade Subcontractors working on the Project shall prepare a site specific safety plan; this should be an attachment or a forward to the Trade Contractor's internal safety program and reflect the requirements of the site specific safety program. This plan should be reviewed and modified as State Fair Project work requires.

- Trade Contractor field management personnel should be involved with the development of the Trade Contractor's Site Specific Safety Plan.
- The Trade Contractor's Site Specific Safety Plan shall be submitted to the Construction Manager's Safety Manager a least five (5) business days prior to the Trade Contractor mobilizing
  - The Construction Manager Safety Manager will notify the Trade Contractor within three (3) business days after receiving whether the Trade Contractor's Site Specific Plan has been accepted.
- Any additions or amendments to the Trade Contractor's Site Specific Safety Plan shall be submitted to the Construction Manager's Safety Manager a least three (3) business days prior to the Trade Contractor mobilizing
  - The Construction Manager Safety Manager will notify the Trade Contractor within two (2) business days after receiving whether the Trade Contractor's Site Specific Plan has been accepted.
- The site specific safety plan should include, but not be limited to the following:
  - Evaluation, assessment, and development of a safety plan for the specific major tasks and risks for the work on the Project. Use of the Project Site Specific Safety Plan and Amendment to the New York State Fairgrounds Project Site Specific safety Plan attachments may be of assistance during this process
- The Trade Contractor's Site Specific Safety Plan should be distributed, communicated, and updated during the life cycle of the Project. Furthermore it shall be used to and conducive to training the Trade Contractor's Trade Contractor employees.
- Safety planning for pre-task (work) planning should include, but not be limited to, the following;
  - Prior to the start of a specific major work task or phase of construction starts, the personnel performing the work, including management, supervision, equipment operators, sub-Trade Contractors, etc. need to perform a written job safety analysis **(JSA)** for that task. Many process and forms are available to provide a checklist of potential items to address. Completion of this form is not meant to represent the total JSA review. Diagrams, text, description of work, equipment cut sheets, and procedures are suggested. This JSA must be addressed at least one week prior to the start of the job

All of the above planning & tasks are beneficial and place a large emphasis on pre-planning work. Safety planning must also address the day to day routine tasks as some Trade Contractors tend to become complacent as the job progresses.

Daily task planning for safety should include, but not limited to, the following;

- It is a "**Best Practice"** and is a requirement on this Project that at the start of each day or shift, the superintendent, foreman, and Trade Contractors conduct a "tailgate meeting" outlining the specific tasks the Trade Contractors are directed to perform, the hazards associated with the tasks (including other personnel working in the vicinity) and the means for controlling those hazards. This needs to be documented daily.
- Superintendent, foreman, and journeyman need to pass on their knowledge to others on a daily basis. As indicated previously, Foremen shall meet prior to coordinate daily activities and communicate a similar message to tradespeople following at the "tailgate meeting".

Safety planning for Project closeout should include, but not limited to, the following;

- Summary of all lessons learned on the Project or contract
- Summary of all incidents, recordable injuries, restricted injury cases, lost time injuries, etc...

Trade Contractor Internal Inspection and Auditing

- **Purpose and Scope -** To establish a basic inspection/audit program for the elimination of unsafe practices by Trade Contractors and to establish a hazard free work environment for all Trade Contractors on the Project
- **Objective -** To reaffirm the Trade Contractor's basic responsibility for the actions of the Trade Contractors as originally assigned under the General Provision of the Occupational Safety and Health Act of 1970 (revised). The exercise of these responsibilities by all Project Trade Contractors will be the effective deterrent to incidents arising from unsafe practices and physical conditions, that will materially enhance the construction efficiency of this Project.
- **Procedures -** Control will be achieved only when each Trade Contractor fulfills their contractual and statutory responsibilities and applies all practical steps to maintain safe and healthful work practices and conditions.
- **Project Controls -** Continued monitoring and auditing on the performance of site Trade Contractor and their supervision under this section will be addressed by The Construction Manager. The Construction Manager Safety Manager and Superintendent shall utilize the "Predictive Solutions Safety Net Inspection Program" to perform daily field audits and communicate all findings observed back to the Trade Contractors via e-mail. Trade Contractors must respond within one business day with a valid correction and proactive solution to all unsafe acts reported for closure.

Supervisory Control

Trade Contractor

Each Trade Contractor will be responsible for conducting continuous daily surveys of their operations to insure they are aware of the probable sources of potential injury or loss due to unsafe acts of procedures.

Planning

Trade Contractors must extensively plan the procedures to be followed for each operation. (Implementing a Hazard Analysis Procedure is a BEST Practice for any Hazardous Work) Personnel chosen to perform any such planned operation shall be thoroughly briefed in all aspects of the procedure, including emergency actions to be taken in the event of a mishap.

Inspections

- In addition to inspections conducted by The Construction Manager, Insurance Representatives, and each Trade Contractor, construction activities are subject to periodic inspection by OSHA Compliance Officers. (NOTE The Construction Manager is to be notified immediately and prior to any inspection)
- Each Trade Contractor is required to notify The Construction Manager in writing prior to starting work if they, by their Company policy will require a warrant for OSHA to inspect their work. The Construction Manager does and will not require a warrant. Refer to: “Regulatory Agency Inspections” section for additional direction on OSHA inspections.

Notification of Hazards

Each Trade Contractor shall notify The Construction Manager verbally or in writing of the existence of any hazardous conditions, property, or equipment at the work site, which are not under the Trade Contractor's control. However, it is the Trade Contractor's responsibility to take all necessary precautions against injury until corrected by the responsible party.

Equipment and Facilities

All Trade Contractors operating equipment and facilities used shall be, inspected, and maintained as directed by this manual; as dictated by the applicable Federal and State safety and health regulations. In the event of conflict, the more stringent requirement shall apply.

Trade Contractor Daily Report

- Each Trade Contractor shall submit the Trade Contractor Daily Report to the Construction Manager Superintendent by 9:00 AM the following day
- The Trade Contractor Report may require additional documentation to substantiate the data that is presented. This form shall be submitted even if the Trade Contractor has zero incidents to report.

- Prime Trade Contractors are responsible for submitting all Trade Subcontractor data for the completion of the report. Failure to report these hours in a timely manner can reflect upon and / or have consequence with Trade Contractor's Project invoice for payment.
- Information to report on this form includes:
    - Summary of safety meetings / training sessions (including toolbox talks) and corrective actions involving safety issues, etc.
    - Near-miss incidents.
    - First Aid Non-Recordable Injuries
    - OSHA Recordable cases.
    - OSHA Lost Time cases and lost time days.
    - OSHA Restricted work cases and restricted workdays.
    - Other items related to Health and Safety i.e. safety inspections / audits, owner visits, etc.

Disciplinary Procedures

Personal Accountability

- Rules and processes are required to simplify and concisely define acceptable work practices. Compliance with health and safety rules and program shall be considered a condition of employment for Trade Contractor's Subcontractors. Trade Contractors need to inform and train their Trade Subcontractors with respect to these requirements

- Accountability for ones actions, regardless of position, needs to utilize and exhaust the efforts of training, guidance, and encouragement to reinforce the implementation of safe work practices. If these efforts are not effective, reinforcement of the safety program and practices will require The Construction Manager to institute a suitable discipline program. It is to be understood by the Trade Contractor that this implementation can be initiated at any time The Construction Manager desires to reinforce the program in this manner. All Trade Contractors and suppliers shall participate in the Project Safety Program. Should an imminent or dangerous condition be discovered, all work in the area of danger will be stopped until corrections are effected.

Non-compliance(s) to Health and Safety Requirements

The Construction Manager will not tolerate non-compliance(s) of the "Safety Program". The Construction Manager upon observing violations of statutory safety requirements or the Safety Program will:

- For minor safety non-compliance(s) and concerns, The Construction Manager will notify the Trade Contractor Project management or supervision verbally and may document the non-conformance.
- For any persistent or major safety non-compliance(s), The Construction Manager will suspend the Trade Contractor's applicable work and notify their Project management via e-mail of the non-conformance and suspension. The Trade Contractor shall submit Corrective Action Plan(s) on how they intend to correct the non-compliance and ensure future compliance. Once reviewed and accepted by The Construction Manager, the work shall be reinstated.

At the discretion of The Construction Manager, if a non-compliance(s) or immediate danger to life situation exists, that person, group of persons, or company shall be terminated and escorted off the Project.

Progressive Discipline Program

After a review of any non-compliance issue which will include assessment of the personal factors, work factors, and job conditions discipline can be instituted at any level of the Trade Contractor's management, supervision, or Trade Contractors. The following disciplinary guidelines shall be followed and enforced on this Project. Any nonconformance to the Safety Program shall result in the following disciplinary action:

- First occurrence: Normally - Verbal Warning may also be followed up with an e-mail, and / or counseling to worker and employer.

- Second occurrence: Written notice (e-mail) and / or remedial training to worker and employer.
- Third occurrence: Removal from the Project for worker and possibly the supervisor and the Trade Contractor.
- **The Construction Manager reserves the unconditional right to deny access to any individual and/or company for any act the Construction Manager considers serious or of gross misconduct.**

Examples of serious or gross misconduct include but are not limited to:

- Failure to comply with some or all elements of the Project Safety Program
- Entering an excavation deemed “unsafe”.
- Entering a “Red” barricaded area without permission.
- Entering electric rooms or electric panel boxes without proper authorization and/or PPE.
- Leaving an exposed energized panel or other energized electric component unattended.
- Possession of firearms, explosives or dangerous weapons on site.
- Entering a confined space without following procedures.
- Failure to follow lock out/tag out procedures.
- Vulgar or inappropriate language or acts, violent physical encounters (fighting).
- Any Trade Contractor, supervisor, or manager who exposes Trade Contractor/s to imminent danger of death or serious injury.
- Any Trade Contractor, supervisor, or manager who openly exhibits disregard, defiance, or disrespect for Trade Contractor Safety or the Project Safety Program.
- Any Trade Contractor, supervisor or manager who knowingly falsifies any investigative document or testimony involved in an investigation.
- Threats made against Construction Management personnel performing their duties.
- Theft or willful destruction of property.
- Violations of traffic safety, housekeeping, or material storage rules.
- Use of Tobacco Products in non-designated areas.

Dispute Resolution

- Should The Construction Manager find Trade Contractor areas of work or individuals being or acting in non-compliance with OSHA or the Safety Program, The Construction Manager shall have the authority to order immediate correction of the non-compliant occurrence. All costs of correction shall be borne by the Trade Contractor deemed responsible.
- If more than one Trade Contractor is deemed responsible, The Construction Manager's decision of responsibility is final.
- The Construction Manager may withhold payment of any sums due Trade Contractors for failure to follow the Safety Program, policies, and procedures.
- The Construction Manager will issue a written notice in this regard requiring immediate response by the Trade Contractor.
- If corrections are not implemented immediately, The Construction Manager reserves the right to have a third party Trade Contractor correct the deficiency in order to protect personnel and/or facilitate work operations and the costs shall be borne by the Trade Contractor in non-compliance.

- The Construction Manager whose decision is final and not subject to arbitration shall resolve all disputes involving the Project Safety Program.

Designated Safety Representatives / Safety Coordinators

- Every Trade Contractor working on site must designate a worker as their safety representative or site safety coordinator. The Trade Contractor designated as the ''Competent Person" shall be a Field Foreman, Superintendent, or Project Manager.
- Each Trade Contractor shall be required to designate a safety representative for each work shift that his or her company performs work for this Project. In a case where a Trade Contractor has a site safety coordinator, that person will be deemed to be the company safety representative on site. A Site Safety Coordinator, whose primary responsibility is safety, shall be required for Trade Contractors with greater than twenty (20) Trade Contractors including Trade Contractors of sub Trade Contractors. 100% of the on-site Safety Coordinator duties must be dealing with safety responsibilities.
- Trade Contractor Safety Representative(s) and Site Safety Coordinator(s) shall have adequate knowledge of OSHA Construction, General Industry Safety, and experience in the implementation of Safety Programs. The Site Safety Coordinator must have completed an OSHA Thirty (30) Hour Construction Safety Course. The Construction Manager shall determine if the proposed Safety Representative(s) or Safety Coordinator has the experience and / or qualifications required for this Project. Prior to the Trade Contractor mobilizing on this Project the proposed safety representative or site safety coordinator must be accepted by The Construction Manager.
- **In the case of a Trade Subcontractor, the safety coordinator requirement may be waived by The Construction Manager, "if", the Construction Manager is notified in writing that the prime Trade Contractor will provide the safety coordinator as required by this program and The Construction Manager accepts this waiver.**

Duties of the Site Representative or Safety Coordinator

It is the responsibility of the Trade Contractor Site Safety Representative or Safety Coordinator to make certain that the below listed duties are completed. If any or all of these duties are assigned to others, the Trade Contractor's site safety plan must state who is responsible for that duty.

- Company Safety Orientation – for new Trade Contractors
- Scheduling Construction Safety Orientations
- Identification of site competent persons (scaffolds, excavations, rigging etc.)
- Documentation letters (proof of specific equipment training)
    - Powered Industrial Vehicles: Forklift, Lull, boom lift, scissor lift, etc.
    - Powder actuated tools
- Meetings
    - Coordination Meeting
    - Incident Review Meetings
    - Pre-Construction / Task Meeting
    - Daily tailgate meeting / pre-assignment meetings

- Training
    - Weekly Toolbox talks
    - Other training which they would be considered qualified to teach, for example:
        - Fall Protection
        - Ladder
        - Scaffolds
        - Remedial training

- Site Specific Safety Plan / Pre-Job Safety Analysis(s)
- PPE auditing
    - Appropriate selection and acquisition of PPE
    - Distribution to workers
- Monthly Fire Extinguisher Inspection
- Scaffold Inspections
    - **NOTE*** The daily inspection must be performed by the competent person
    - Maintaining the written inspection sheets
- Reports
    - Daily reports (listing # of first aid incidents, near misses, recordable injuries)
    - Monthly reports
    - Incident reports
- Immediate Notification to The Construction Manager on “Incidents”
    - Incident Reports
    - Witness Statements
- Site Audits - required at least weekly - Written reports copied to The Construction Manager:
    - PPE Verification
        - Safety Glasses
        - Hard hats
        - Gloves
        - Respirators
        - Etc.
    - Electrical
        - GFCI – Usage
        - Assured Grounding Program
    - Excavations
        - Access
        - Benching/sloping etc.
    - Fall protection
        - Guardrail Systems
        - Fall Arrest / Restraint / Positioning Equipment
            - Inspection
            - Usage
    - Scissor Lifts
    - Boom Lifts
    - Ladders
    - Hand and Power Tools
    - Scaffolding
    - Motorized Equipment

- Fire Prevention
    - Flammable and Combustibles
        - Labeling
        - Storage
        - Proper Containers
        - Signage
    - Fire Extinguishers
        - Inspections
        - Locations
- Barricades and Fencing
- Hazardous Materials
    - MSDS Sheets
    - Labeling
- Permits where required
    - Hot Work Permits
    - Confined Space Permits
    - Excavation Permits
    - Barricade Permits
    - Crane Use Form (The Construction Manager)
    - Energized “Hot Work” Electrical Permits

Meetings

Pre-Construction / Construction Kick-off Meeting

- The Trade Contractor, before starting work at the Project site, shall attend a pre-construction "award" meeting with The Construction Manager to understand the Project conditions and safety requirements. A Project site tour shall be made to confirm the Trade Contractor's awareness of potential safety hazards. The Trade Contractor must deliver and assure a safe work place by providing all appropriate methods, equipment, devices, and material necessary to make their work safe. The Trade Contractor shall develop a Project specific safety plan and submit to The Construction Manager for review. The review shall not relieve the Trade Contractor of responsibility for safety, nor shall such reviews be construed as limiting in any manner. It is the Trade Contractor's obligation to undertake any action required to establish and maintain safe working conditions at the Project site. Reference attachments, guide for writing a Site Specific Safety Plan.

Supervisor Meetings

- The Construction Manager may also schedule Project meetings with new Supervisors in order to review contents of the Safety Program, Project goals, schedule and other specific activities, and information for the New York State Fairgrounds Project.

Orientation and Safety Training

- **As a condition to work at this site, each Trade Contractor Project management, supervision, workers, and all Trade Subcontractors shall receive a site-specific health and safety orientation and hazard communication training.** This training shall be conducted prior to or at the time of hire or assignment to ensure they understand the safety policies, procedures.
- The Construction Manager Safety Manager shall be responsible for developing the Project Safety Orientation which also addresses hazard awareness. The Construction Manager will provide a reasonable number of scheduled orientations per week. It is the responsibility of the Trade Contractor to schedule in advance (one business day) with The Construction Manager's Safety office the orientation of their Trade Contractors.
- The Construction Manager Safety Manager or their designee shall assess the presentations periodically to verify that appropriate training is taking place and the contents of the presentation adequately covers the policies and procedures.
- **Any Trade Contractor, or Trade Subcontractor who leaves the New York State Fairgrounds Project for more than ninety (90) continuous days, shall be required to retake the New York State Fairgrounds Project Orientation training again prior to returning to work on the Project.**

Trade Contractor Daily Tailgate / Pre-shift Meeting

- Foreman/Superintendents will be required to conduct a brief "Tailgate Meeting" daily before the onset of work. This meeting will detail the tasks of the day, and hazards

associated with them. If multiple shifts are scheduled, the Trade Contractor shall conduct Pre-shift Meetings as necessary for each additional shift.

- This details of these meetings are to be documented and turned in to the Construction Manager Safety Manager when daily tasks, crew make-up, or scope of work changes. This documentation shall be turned in within twenty-four (24) hours.

Trade Contractor Weekly Toolbox Talks

- Weekly toolbox meeting are a great tool in communicating general updates and the results of pre-job checklists / JSA's.
- All Trade Contractors and Trade Subcontractors are required to hold weekly 10-15 minutes **"Toolbox"** safety meetings for all Trade Contractors. Topics related to work assigned and current safety problems shall be discussed. It is a recognized fact that toolbox safety meetings are most effective when conducted regularly but vary as to the day of the week and time of the day used. These meetings can be in a lecture or question and answer format but should not be the individual Trade Contractor reading a safety article and signing off.
- It is highly recommended that management of the company attend these meetings periodically. This is a measure of company management and commitment.
- Toolbox safety training shall be documented and a copy of this documentation must be forwarded to the Construction Manager Safety Coordinator or designee on a weekly basis. The Construction Manager will monitor these "Toolbox" meetings through personal attendance or by reviewing a copy of the meeting report.
- The Trade Contractor shall notify The Construction Manager about the time and location of their weekly meeting for the purpose of monitoring the content and effectiveness of the meeting by The Construction Manager.

Special Safety Meetings

- These special meetings address important or critical issues which will require the attendance of all appropriate site managers.
- These meetings may be called in order to get critical safety information into the field in the most expedient way.

SIR Meetings (Serious Incident Review)

- Anytime an incident occurs on the Project, a Trade Contractor is persistent with non-compliance issues, or work is suspended, the Trade Contractor involved may be required to participate in a Serious Incident Review (SIR) meeting. The SIR meeting shall be between the Trade Contractor management, the Construction Manager Project management Team.
- The purpose of a SIR meeting is to review the incident or nonconformance(s), the events leading up to the incident or nonconformance(s), root cause(s), and the Trade Contractor's intended Corrective Action Plan(s). It is the responsibility of the Trade Contractor or Trade Subcontractor to prepare for the meeting
- For serious incidents, the Construction Manager Building Company will require the Trade Contractor(s) to attend a Serious Incident Review (SIR) meeting as soon as

possible after the incident. At this meeting, the Trade Contractor and / or Trade Subcontractor Project management shall discuss their corrective action plan with the Construction Manager Project management team. If the Construction Manager determines the Trade Contractor corrective action plan is not sufficient, they shall direct that all or portions of the work be suspended until an acceptable plan has been approved.

Incident Management (Emergency Procedures)

Notification of incidents or Unsafe or Hazardous Conditions

- **Incidents on the Project are defined as any unplanned or undesired event that results in or has the potential to result in a work-related injury / illness, property damage, or disruption of business.** Each worker is responsible to immediately notify his/her management or supervision of any incident or unsafe or hazardous condition that may be present at the Project.
- Trade Contractor management or supervision shall take immediate corrective action to remove any hazard brought to their attention by a worker.
- All incidents are to be handled by the Trade Contractor's designated representative present, with whoever is available to assist. The Trade Contractor Safety Representative or Safety Coordinator or designee shall assist the first-line supervisor in the investigation but shall not solely conduct it. The representative shall direct someone to notify first-aid personnel, and to call for emergency services as necessary. Where a specific procedure has not been established, reasonable judgment should be used in determining what course to follow.
- The Construction Manager will require a formal report and review for all State Fair Project incidents. All incident reports require a written corrective action be presented by the Trade Contractor to prevent reoccurrence of similar incidents.
- All incidents require an immediate preliminary incident investigation by Trade Contractor management and the completing and filing of the **Incident Notification and Investigation Form, Witness Statements, (see attachments)** within twenty (24) hours. The Incident Witness Statement (see attachments) shall be completed by **all witnesses including victims** to an incident and attached to the Incident Notification and Investigation Form

First Aid Medical Services / Trade Contractor's Responsibilities

- Prior to commencement of work, provisions must be made for prompt medical attention in case of serious injury.
- Each Trade Contractor shall have a minimum of one First Aid/CPR trained individual on site and inform The Construction Manager of their name.
- Prompt transportation of the injured person to a hospital or other emergency facility will be the responsibility of the Trade Contractor.
- If the injured Trade Contractor is released by the doctor for light or restricted work duty, the Trade Contractor shall make available restricted duty work for the injured Trade Contractor.
- Occupational illness or injury (e.g. respiratory distress, ergonomics etc.) shall be reported immediately by the Trade Contractor's Management Team, to the Construction Manager Safety Manager or, in his absence, the appropriate Construction Manager Superintendent.
- During off hours, if a Trade Contractor recognizes that they are ill or injured; that they require immediate medical treatment; and that the cause of this illness or injury may be job related, they should notify their immediate supervisor so that that supervisor or Trade

Contractor management personnel can accompany / meet the Trade Contractor at the location where treatment is being sought. The supervisor or Trade Contractor Management personnel shall immediately notify the Construction Manager.

- A management representative of the Trade Contractor shall accompany the injured Trade Contractor to the medical facility and remain at the facility until the Trade Contractor is ready to return. Trade Contractor's representative shall carry the necessary forms; i.e., authorization slips, return to work notices to the medical facility.
- If the Trade Contractor is able to return to the Project site the same day, he/she must return with a statement from the doctor stating same and containing such information as date, Trade Contractor's name, dating for a return to regular or restricted duty, date he/she is to return to doctor, diagnosis, signature and address of doctor. If the injured Trade Contractor is unable to return to the Project site the same day, the Trade Contractor who transported him/her should bring this information back to the Project site and report it to The Construction Manager.

Incidents Involving Serious Injury or Death

The following procedures are established in the event of an incident involving serious injury or death to Trade Contractors or members of the general public.

- Individuals qualified to administer first-aid will assist the injured, will stabilize their condition, and will arrange for transportation to the hospital emergency room if further treatment is required.
- All non-essential personnel shall be removed and/or kept back from the area.
- No comments shall be made as all inquiries shall be referred to the Construction Manager Project Manager.
- No on-site photographs are to be taken without the specific approval of the Construction Manager Project Manager and the Project Superintendent
- The Construction Manager shall make a full investigation and file an Incident Investigation and Injury Report within twenty-four (24) hours of the occurrence.
- Within the immediate area of the accident scene, nothing is to be disturbed nor removed after proper evacuation of the injured personnel. Except when necessary to avoid further injury, equipment will not be moved, or the position of items, parts, pieces, controls, etc. will not be changed until photographs have been made and notes taken by the Project Superintendent or other person designated to make the investigation and report.
- As soon as the Construction Manager can release the area from the above constraint, Trade Contractors concerned will clean up and make repairs to return to a normal situation.
- The Construction Manager is to be notified immediately if the local OSHA office is notified of an event for a fatality or serious injuries (three (3) inpatient hospitalizations).

Property Damage Incidents

The following procedures are established in the event of incident involving property damage.

- The Construction Manager is to be notified as soon as possible and will then take appropriate action and direct other personnel to assist as necessary.
- The Construction Manager efforts shall be taken to protect against further damage

where possible.

- All non-essential personnel shall be removed and/or kept back from the area.
- No comments shall be made. All inquiries shall be referred to The Construction Manager.
- No on-site photographs are to be taken without the specific approval of The Construction Manager
- The Construction Manager shall make a full investigation and file an incident report within twenty-four (24) hours of the occurrence.
- Within the immediate area of the incident scene, nothing is to be disturbed nor removed after proper evacuation of the injured personnel; except when necessary to avoid further injury, equipment shall not be moved, or the position of items, parts, pieces, controls, etc. will not be changed until photographs have been made and notes taken by The Construction Manager**.** As soon as The Construction Manager can release the area from the above constraint, Trade Contractors concerned will clean up and make repairs to return to a normal situation.

Fire

The following procedures are established in the event of a fire. "RACE"

R **R**escue... anyone in immediate danger.

A **A**larm... activate pull station; go to phone and dial 911

C **C**ontain... close doors and windows, isolate the fire.

E **E**xtinguish... use correct extinguisher.

Severe Weather

- The following procedures are intended to prepare the Project site in the event of severe weather conditions. Since severe weather may be reasonably anticipated to occur during the duration of the Project, yet without significant advance warning, all work activities and Project site conditions must be planned with a concern for emergency preparations.
- Each Trade Contractor, at the time of mobilization, shall deliver to The Construction Manager a complete list of the Trade Contractor's supervisors along with a complete list of after hour telephone numbers. The list shall be kept current and shall be updated accordingly.
- Each Trade Contractor shall insure that his field trailers and his sub-tier Trade Contractors' field trailers are anchored in at least three (3) locations.

Upon notification of a Severe Weather Watch by the U. S. Weather Bureau, the following actions are to be initiated:

- Each Trade Contractor having on-site generators which are fuel-powered, are requested to notify The Construction Manager of the numbers and wattage. Generators may be needed to provide temporary power for rescue or clean-up activities.
- All materials shall be secured to prevent them from becoming air borne during high winds. Particular attention needs to be given to picking up scrap materials and hauling or covering trash containers.

- Mobile and Crawler cranes shall lower their booms at the end of the shift.
- Cranes not capable of lowering booms shall be permitted to weathervane or free swing. Swinging booms shall be checked by the Trade Contractor employing them to assure that they will not contact other objects such as power lines, structures, etc.

Snow and Ice

Ultimately it is the responsibility of the Trade Contractor to provide a safe work environment for the Trade Contractor's Trade Contractors. This shall include provisions for the removal of snow and ice from work areas and travel paths in order to assure that Trade Contractors do not slip on wet or icy surfaces.

Other Major Catastrophes

Examples of other major catastrophes include:

- Major fire
- Workplace Violence
- Collapse of large portions of structures or large sections of scaffolds
- Heavy damage by wind or floods.

The Construction Manager Project Superintendent or his best-qualified alternate will cooperate fully with the directives of local emergency authorities in the event of a major catastrophe. He will take any or all of the following actions as appropriate.

- Tie down building, etc.
- Evacuate Trade Contractors from the area
- Call for assistance from outside:
- Stop all work.
- Issue instructions to supervisors and to others as necessary.
- Set up security control at the disaster area.
- Set up communications center in site trailers: radio/telephone.
- Call in operators for heavy equipment such as front loaders, cranes, etc.
- Other actions considered necessary in the particular situation.

Bloodborne Pathogens

The Occupational Safety and Health Act (OSHA) 1910.1030, requires that each employee whose duties may require them to be exposed to blood and other infectious materials be advised of the potential Bloodborne pathogen hazards and how to guard against those hazards. Each Trade Contractor, and each Trade Subcontractor, whose employees may be exposed to blood and other potentially infectious materials (including all body fluids in situations where it is difficult or impossible to differentiate between body fluids, etc.) must:

- Develop a list of all such tasks on the Project;
- Instruct the Trade Contractors in the potential risks involved;
- Develop a labeling system for all infectious materials;
- Train all potentially exposed personnel in the hazards and the proper controls for all listed tasks;
- Provide safety materials and equipment and
- Offer appropriate medical treatment and advice for any exposure.

Trade Contractor training for this requirement will be documented and acknowledged by signatures following each session.

Exposure Control Plan

- Every Trade Contractor will be responsible for development and maintenance of a list of tasks within the Project operations, which involve occupational exposure to blood and other infectious materials.
- Trade Contractors must have the opportunity to ask questions and obtain answers from the trainer who must be knowledgeable in the subject matter.

Audit and Review

It will be the responsibility of each Trade Contractor's superintendent or safety representative to perform responsibilities for all procedures referenced above.

Record keeping:

Medical records shall be maintained on each Trade Contractor, with occupational exposure to blood.

The responsible Trade Contractor shall address any issue(s) concerning clean up and disposal of bloodborne pathogens on the Project.

Diversity / Harassment

The Construction Manager knows that the commitment and contribution of all Trade Contractors as well as their employees determines success. We believe in the fundamental dignity of the individual. The workforce consists of a rich mixture of people of diverse nationalities, races, genders and opinions. This diversity is a source of strength for the Construction. We value the unique ability of each individual to contribute and believe that every Trade Contractor should have the opportunity to participate fully, grow professionally and develop to their highest potential

The Construction Manager will not condone or tolerate any form of discrimination or harassment. We are committed to creating a business environment that vales each person for his or her unique contribution. The Construction Manager will have a zero tolerance policy against harassment of any kind; including any action in the workplace that intimidates, insults, offends of ridicules any person because of race, color, age, religion, national origin, sexual orientation, disability, or veteran's status.

Any Trade Contractor who violates the above policy shall be subject to disciplinary action up to and including termination.

Any person who feels that they have been harassed or is aware of a situation where harassment has taken place shall immediately contact any member of the Construction Manager.

Protection of the public and Operations

Access to the Site

No work shall be performed in any area occupied by the public unless specifically reviewed and permitted by the Construction Manager. When the Project interfaces with the public, precautions to be taken include, but are not limited to:

- Each Trade Contractor shall take such necessary action as is needed to protect and maintain public use of sidewalks, entrances to buildings, lobbies, corridors, aisles, doors, exits and vehicular roadways. The Trade Contractor shall protect the public with appropriate sidewalk sheds, canopies, catch platforms, fences, guardrails, barricades, shields, and adequate visibility as required by laws and regulations of governing authorities. Such protection shall guard against flying materials, falling or moving materials and equipment, hot or poisonous materials, flammable or toxic liquids and gases, open flames, energized electric circuits or other harmful exposures.
- Each Trade Contractor requiring vehicle entry into the New York State Fairgrounds Project will be required to supply trained flag person(s) when receiving deliveries.
- Guardrails shall be made of rigid materials complying with the requirements for standard guardrails as defined by OSHA and the Project Safety Plan. Temporary sidewalks, ramps or stairs shall be provided with guardrails on both sides whenever permanent sidewalks, ramps or stairs are obstructed by the work. The Construction Manager may authorize barricades, secured against accidental displacement, meeting the requirements of local authorities, where fences, sheds, walkways and/or guardrails are impractical. During the period when any barricade, fence, shed, walkway, or guardrail is removed for the purpose of work, a Trade Contractor whose function is to keep personnel away from the danger (s) shall be placed at all openings.
- Appropriate warnings, signs and instructional safety signs shall be conspicuously posted where necessary. In addition, a flagman shall control the moving of motorized equipment in areas where the public might be endangered. Warning lights, including lantern, torches, flares and electric lights, meeting the requirements of governing authorities shall be provided and maintained from dusk to sunrise along guardrails, barricades, temporary sidewalks and at every obstruction to the public. These warning signs and lights shall be placed at both ends of such protection or obstruction and not over twenty (20) feet apart alongside of such protection or obstructions.
- Access to the site is limited to the entrance designated for construction traffic as indicated on the site plans issued with the construction documents. At no time are Trade Contractor personnel or vehicles allowed to obstruct traffic or entry driveways. All material deliveries shall be scheduled in advance with the Project Superintendent and shall be completed within the time segment allocated for the specific delivery.
- A temporary six foot high fence shall be provided and maintained around the perimeter of the site in order to control access to the work to restrict access by unauthorized individuals.

Trade Contractor Identification

All Project Trade Contractors will be issued an Identification Badge/Sticker along with a Construction Manager Safety Sticker which shall be applied to their hard hat upon completion of their New York State Fairgrounds Project safety Orientation. The identification badge shall:

- Be maintained in good condition
- Be carried only by the person to whom it is issued
- Be carried at all times when on the Project and displayed whenever requested
- All lost or stolen identification badges shall be immediately reported to the Construction Manager

Site Visitors

This policy is not for the use of the Trade Contractor to bring vendors (in general), or Trade Subcontractors to work at the site without following the usual protocol for individuals performing regular work skills.

- Visitors can be defined, but not limited to, a vendor, a company safety person, a start-up technician, Trade Contractor Management, bargaining unit business agent, delivery of special items personnel, etc.
- To be classified as a visitor the stay on site shall not be for more than one (1) day, shall not work with tools, and shall have sufficient reason to be on site.
- Visitors will be required to comply with all security requirements for the project and all PPE requirements for areas where they are present.
- The visitor, in most cases shall not be required to attend the Project orientation or comply with the Project substance abuse program concerning “New Worker” testing. In specific, high risk situations or when the likelihood that the visitor’s reason to be on site is deemed critical, this requirement still shall be required. The Construction Manager shall make this determination.

When it is required to bring a visitor to the New York State Fairgrounds Project, the visitor must check in with the Construction Manager and be escorted by a member of the Trade Contractor

Tours

All group tours shall be cleared through the Construction Manager Management Team.

Substance Abuse Program

Trade Contractors shall establish an individual Substance Abuse Program within the parameters of the Project Labor Agreement.

The Construction Manager is committed to providing a safe and secure work place for all workers. Use of drugs or alcohol by workers adversely affects a worker’s efficiency, safety and health, and seriously impairs their judgment. In addition, it creates a potential danger to the welfare of other workers and exposes the risk of injury to those workers, as well as property damage.

Individual Trade Contractors and other third party employers are responsible for the administration, implementation and enforcement of this program. Trade Contractors and third party vendors are directly responsible for implementing a substance abuse program.

Housekeeping and Orderliness

- The site, work areas, and all premises occupied by The Construction Manager and Trade Contractor personnel will be maintained in a clean, healthy and sanitary condition.

- Work areas, passageways and stairs, in and around buildings and structures, shall be kept clear of debris. Construction materials shall be stored in an orderly manner. Storage areas and walkways on the site shall be maintained free of dangerous depressions, obstructions, and debris. Construction equipment shall be stored or placed in an orderly manner.
- Good housekeeping on the Project is mandatory and every Trade Contractor must do his part daily to minimize dust and to clean up his work area to keep the Project clean for safety and efficiency. Controls shall be observed which keep dirt from being tracked into areas outside the workspace. Immediate cleanup is required when dust, dirt or debris may affect the owner's operations. Eating within the construction Project shall be confined to areas designated by The Construction Manager for such purposes. Trade Contractors shall properly dispose of all lunch refuse and drink containers in trash receptacles. Failure to maintain adequate housekeeping and to perform daily clean-up will result in the following actions:
    - Written Notice: Upon receipt, the Trade Contractor shall take immediate action to perform housekeeping and clean up.
    - If, having been given sufficient notice, the Trade Contractor fails to clean up; the work will be performed by others, and the errant Trade Contractor back charged for all related costs.
    - Daily and final clean-up must be performed in accordance with contract documents.

- Slips, trips and falls are the leading cause of accidents on a construction site. Litter and debris conceal hazards and potentially block access and egress which contributes to the possibility of injuries. The Project policy on housekeeping is all equipment, tools, and materials shall be stored, stacked, located, placed, temporarily spotted, or set up for use in such a manner as to render an incident highly unlikely. The work site area should be organized and give the direct and obvious impression of a clean and orderly work place. The work site area includes staging areas inside and outside of buildings.

- Trade Contractors shall maintain all work locations in an orderly and clean manner at all times. The housekeeping and orderliness policy shall be strictly enforced.

- The Construction Manager reserves the uncontested right to clean up any Trade Contractor work area that does not comply with this policy. The Construction Manager shall bill the Trade Contractor for all costs involved in cleaning the work area up. In addition, the Trade Contractor's work will be suspended, with no impact to schedule.
- The following are the minimum housekeeping and orderliness requirements for this Project:
    - Access walkways, roadways, and fire lanes shall not be blocked with vehicles, materials, tools, ladders, lifts, scaffolds, welding leads, air hoses, or electrical cords.
    - Electrical extension cords, light stringers, air hoses, and welding leads shall be elevated above the work area or walking surface by a minimum of seven (7) feet.
    - Welding rods, nuts, bolts, and washers shall be kept in proper containers.
    - Shackles, slings, chokers, ladders, and safety equipment shall be removed from the work area when not needed and properly stored.

- Flammable and combustible liquids shall not be stored in a work location in excess of the daily requirement.
- All nails shall be removed from scrap and form lumber and swept up continually.
- At all locations where drinking water is dispensed, an adequate trash container shall be located for disposal of used drinking cups.
- Trash containers shall be placed at appropriate locations.
- Rubbish, trash, and debris shall be removed from the work area daily and placed in appropriate dumpsters.
- All garbage shall be disposed of immediately in eating and break areas.
- In areas where equipment might drip oil or cause other damage to the floor surface, a protective cover of heavy gauge, flame resistant, oil proof sheeting shall be provided between the equipment and the floor surface sheeting so that no oil or grease contacts the concrete. This requirement is applicable to both finished and unfinished floors.
- Oily rags and waste are to be stored separately in metal containers fitted with self-closing lids.
- Trade Contractor shall notify The Construction Manager of any hazardous waste it will generate during the performance of their work and has the direct responsibility to insure that all waste materials are disposed of per regulation.

Facilities

The facilities and locations of lunch areas shall be provided by Trade Contractors and approved by the Construction Manager. Sanitary facilities shall be provided by Trade Contractors in accordance with the contract documents.

Refuse and Garbage

Each Trade Contractor will provide an adequate number of covered garbage containers. Trade Contractors shall clean the site and garbage / refuse shall be collected at least daily and removed from the building.

Potable Water

Each Trade Contractor shall provide potable water at the work site and test it, at least weekly if delivery is from other than a commercial bottled water or municipal supplier.

Tobacco Use

The use of tobacco related products will be limited to use only in designated areas. This is to include vapor cigarettes and chewing tobacco.

Personal Protection Equipment PPE

All Trade Contractors shall as a minimum wear the following personal protective equipment while on the Project (except while in designated office areas and in break areas on break).

- Safety Glasses (ANSI Z87.1) with rigid fixed side shields
- Hard Hats (ANSI Z89.1)
- Safety yellow/orange/green vest, t-shirt, sweatshirt, or other outer wear must be worn
- Six (6) inch leather or other suitable material safety toed (ANSI approved) work boots.
- Proper work attire – Long trousers in good condition and shirts with at least a 6" sleeve. (Offensive logo's (in the opinion of The Construction Manager), will not be tolerated)

Hard Hats

- Hard hat shall be a Class G or E; Type 1 or 2 in good condition with suspension intact.
- Hard hats shall have the Trade Contractor's or Trade Subcontractor's name or logo on it.
- Hard hats shall have the workers name on the front of the hard hat.
- Hardhats shall be worn brim forward, unless the task, require to be performed, is safer with the hard hat brim backwards, and the hard hat manufacturer allow this modification to the hard hat suspension. This exception shall be noted in the Trade Contractor's Site Specific safety program, and accepted by The Construction Manager
- "Cowboy" type hard hats and "Bump Caps" are not allowed.

Eye & Face Protection

- Safety glasses shall be ANSI Z87.1 rated.
- While working inside or in low light conditions only clear ANSI Z87.1 safety glasses may be worn.
- Prescription glasses can either be ANSI Z87.1 approved with ANSI Z87.1 side shields or can be protected with over the glasses ANSI Z87.1 safety glasses.
- Goggles, welding hoods, and face shields will be required to be properly worn at all times when in the area of operations, such as when welding, burning, grinding, chipping, chemical handling, corrosive liquids or molten materials, and hand operated equipment (i.e. chain saws, chop saws). Safety Glasses must be worn under face shield for solid airborne hazards.
- Where corrosive liquids pose a splash hazard, safety goggles shall be worn under the face shield.
- Whenever a face shield or a welding bonnet is required for work, the face shield or welding bonnet shall be worn in conjunction with a hard hat. This section will also apply to those Trade Contractors of Trade Contractors who are assisting any worker as an apprentice or helper.

Hand Protection / General Requirements:

- Employers shall select and require Trade Contractors to use appropriate hand protection when Trade Contractors' hands are exposed to hazards, such as those from skin absorption of harmful substances; severe cuts or lacerations; severe abrasions; punctures; chemical burns; thermal burns; and harmful temperature extremes.

- **Glove Selection:**
    - Employers shall base the selection of appropriate hand protection relative to the task(s) performed, conditions present, duration, and the hazards identified.

Respiratory Protection:

- Any Trade Contractor on the Project, whose Trade Contractor(s) require the use of a respirator as part of their PPE for any work, will have a written program for respiratory protection, which specifies the details for complying with section 1910.134 of the OSHA Standard. The Trade Contractor's written program will also specify the requirements for any Trade Contractor who requests to use (voluntary) an N-95 type disposable filtering face piece for "nuisance" situations.
- Prior to any Trade Contractor working with a respirator, the Trade Contractor shall submit to the Construction Manager Safety Manager a letter stating the Trade Contractors name, type of respirator they are authorized to use, and the identified hazardous chemical. The letter must state that the Trade Contractor has completed all requirements listed in Section 1910.134 for proper respirator use. See Attachments
- The use of respirators, including N-95 disposable filter face pieces shall be documented by the Trade Contractor in their Site Specific Safety Plan. Use of N-95 disposable face filtering piece shall require training and medical evaluation and clearance as if it were a respirator per OSHA

Hearing Protection:

- The construction Manager requires hearing protection on a task to task basis when there is a time weighted average reading of greater than:
    - Eighty-five (85) decibels for eight (8) hours
    - Eighty-three (83) decibels for ten (10) hours
    - Eighty-two (82) decibels for twelve (12) hours

Specialty Apparel:

- Specialty apparel shall be worn as dictated by relevant ANSI standards or recommendations of trade associations. By way of example, fire resistant (FR) clothing shall be worn whenever hot work (welding and/or cutting) is being performed. Other specialty apparel such as protective disposable suits shall be considered and mentioned in the preparation of job hazard analyses.

Excavations

All soil on the Project is conservatively classified as Class C type soil, unless otherwise classified in writing by a Trade Contractor(s) qualified person and accepted by The Construction Manager. All excavations shall be performed accordingly, unless a competent person by special procedures or practices deems it not required.

Prior to any excavation or trenching as defined by OSHA the following must be performed:

- The work area is checked for underground utilities.
  Contact Dig Safely New York, and or the appropriate agencies.

During excavation or trenching operations on this Project, the following requirements shall be followed:

- The Trade Contractor must designate a competent person trained in soil classification and in the recognition of trenching and excavation hazards. This person must be on-site when excavating or trenching is being done.
- The competent person shall, at a minimum, inspect excavations and trenches at the beginning of each day or when weather or other elements affect the conditions of the excavation. All such inspections shall be documented.
- Any appropriate documentation that meets the OSHA trenching and excavation standard shall be maintained on site by the applicable Trade Contractor.
- All trenches and excavations greater than five (5) feet in depth shall be sloped (no benching is allowed) in accordance to OSHA guidelines or as determined by the competent person.
- Where sloping cannot be performed, supporting systems (i.e. shoring, piling, trench boxes, or shields etc.) shall be utilized for all trenching and excavations greater than five (5) feet in depth.
- Spoil piles shall be placed at no closer than two (2) feet from the edges of all trenches or excavations and shall be sloped away from the trench / excavation.
- Adequate and safe access and egress to trenches / excavations shall be maintained at all times during trenching or excavating activities.
- A stairway, ladder, ramp, or other means of egress shall be located in trench excavations that are four (4) feet or more in depth so as to require no more than twenty-five (25) feet of lateral movement for workers to access them.
- No worker shall work in an excavation or trench at the same time that powered excavating equipment is being used.
- In excavations or trenches four (4) feet or greater, where the threat of oxygen deficiency or hazardous atmosphere exist or could reasonably be expected to exist, the Trade Contractor shall sample the atmosphere in the excavation prior to workers entering.
- Where protective systems as defined in 29 CFR 1926.650-652 are designed by a licensed Professional Engineer.
- When an excavation remains open longer than one work shift, it shall have as a minimum, solid barricading (snow fence, etc.) and appropriate safety signs must be posted at the work area.
- Excavation Trade Contractors will provide a spill kit for use on site in the event of a hazardous material spill.

- Drilled caissons will have fall protection provided both during and upon completion of the drilling by use of personal fall protection, guardrails or use of casing extending a minimum of 42 inches above the ground.

Confined Space

Confined Space Requirements

Trade Contractors may be required to work in an area that is defined as a confined space. A confined space is any space large enough and so configured that a person can bodily enter and perform work; has limited openings for entry and exit; and was not designed for continuous human occupancy.

Confined spaces include, but are not limited to:

- Storage tanks
- Excavations and Trenches (Special Conditions)
- Process vessels
- Bins
- Boilers
- Ventilation and exhaust ducts
- Sewers
- Vaults and utility tunnels
- Pits and tubs

Trade Contractor shall develop an entry procedure to be used when Trade Contractor's Trade Contractors are required to enter confined areas or spaces. Confined Space entry procedures will conform to OSHA 1910.146 requirements.

No worker shall enter or work in any space that meets the definition of a confined space without obtaining a Confined Space Entry Permit, Refer to attachments.

Prior to working in any confined space, Trade Contractor supervisory personnel shall determine what hazards exist. Any operating system or equipment shall be locked out and tagged to prevent accidental operation.

A confined space entry permit must be completed and filed with the Construction Manager Safety Manager at least twenty-four (24) hours prior to any confined space non-emergency entry. The confined space permit shall be posted at the entrance to the confined area during entry. All confined spaces shall have the atmosphere sampled and a Confined Space Entry Permit completed and authorized prior to any worker entering the space. The atmosphere shall be sampled for oxygen deficiency, toxic gases or vapors, and combustible or flammable gases or vapors and at multiple levels. The Trade Contractor shall forward the completed permit or a copy there of to the Construction Manager Safety Manager no later than twenty-four (24) hours after the completion of the entry.

Prior to entering a confined space, workers shall be trained in:

- Contents of this procedure.
- Known hazards in the confined space.
- Emergency procedures in case of an emergency.
- Correct use of personal protective equipment, when required.
- Hot Work Permit, when required.
- Atmosphere sampling procedures including the proper use of atmospheric testing equipment.
- Lockout / Tagout procedures, when required.
- Fall protection, when required.

The Construction Manager shall be notified immediately after all work is complete. The permits shall be returned to The Construction Manager and kept on file.

Crane Safety

Safety and Rigging

- Trade Contractors whose activities require the use of cranes shall be responsible for their proper set up and operation and shall advise The Construction Manager prior to the arrival on-site. The Construction Manager Crane Use Permit Form shall be used.
- The Trade Contractor shall supply The Construction Manager with documented evidence of their competent person's training.
- These procedures cover mobile cranes, including, but not limited to, crawler cranes, truck cranes, carry deck cranes, and hydraulic cranes, or other pieces of equipment such as all- terrain type fork lifts, or fork trucks, etc., that are used in overhead lifting operations. These procedures are to provide minimum basic requirements to protect those who are operating mobile cranes and those who are working, rigging or involved in rigging operations within areas of overhead lifting operations.

Third Party Inspection

- Trade Contractors shall provide The Construction Manager evidence of annual inspection by a third-party inspection agency not under the control or ownership of the crane owner and be approved by the Construction Manager Safety Manager. All repairs and adjustments noted on the inspection shall be corrected prior to use.
- This applies to power-operated equipment used in construction that can hoist, lower and horizontally move a suspended load. Such equipment includes, but is not limited to: articulating cranes (such as knuckle-boom cranes); crawler cranes; floating cranes; cranes on barges; locomotive cranes; mobile cranes (such as wheel-mounted, rough-terrain, all-terrain, commercial truck-mounted, and boom truck cranes); multi-purpose machines when configured to hoist and lower (by means of a winch or hook) and horizontally move a suspended load; industrial cranes (such as carry-deck cranes); dedicated pile drivers; service/ mechanic trucks with a hoisting device; a crane on a monorail; tower cranes (such as fixed jib ("hammerhead boom"), luff boom and self-erecting); pedestal cranes; portal cranes; overhead and gantry cranes; straddle cranes; side-boom tractors; derricks; and variations of such equipment.

Daily and Pre-Shift Inspections:

- Daily and pre-shift inspections shall be performed by a competent person designated by the Trade Contractor in accordance with the manufacturer's recommendation and ANSI B30 Standard for the type of crane being inspected and the most current version. This inspection shall be completed prior to each shift starting work.
- No work shall proceed without evidence of a current annual inspection meeting The Construction Manager requirements. No claims will be accepted for losses sustained by the Trade Contractor for delays caused by failure to comply with these requirements.

- Cranes and other powered lifting devices shall be inspected by the operator (Reference Manufactures Information):
    - After set up and prior to the initial lift
    - Before each shift.
    - After any malfunction.

Critical Lift Procedures

Critical lifts **shall** be defined as any non-routine lift requiring detailed planning and additional or unusual safety precautions. Critical Lifts require written detailed plans with the signature of the prime Trade Contractor's qualified person. Critical Lifts include but are not limited to:

- Loads that are expensive to replace or have a long lead time to replace (to be determined by The Construction Manager).
- Loads greater than seventy-five per cent (75%) of the configured crane capacity as shown on the applicable load charts provided by the crane manufacturer for the crane as configured in the field.
- Loads lifted out of the view of the crane operator.
- Loads lifted over occupied buildings or that are a danger to personnel.
- Lifts using more than one hoist on a single crane.
- Lifts requiring more than one piece of hoisting equipment to be used.
- Lifts requiring non-routine or complicated (other than standard) rigging
- Hoisting personnel (personnel basket)
- Lifts involving hazardous or explosive material.
- Lifts made without using the outriggers using "on rubber" load charts
- Any lift deemed "critical" by The Construction Manager

Critical Lift Plans

Critical Lifts Plans must be prepared by a qualified person representing the Trade Contractor responsible for the lift. Critical Lift Plans shall be submitted by a qualified person five (5) working days prior to the scheduled day of the lift. The Construction Manager will review the lift plan and return it with comments to the Trade Contractor at least two (2) working days prior to the day of the scheduled lift.

In addition to all required information, critical lift plans must address all issues that pertain to why the lift was deemed critical. The minimum required information is as follows:

- The scheduled date of the lift.
- Person in charge of the lift.
- The name of the qualified rigger and the crane operator.
- The make, model of the crane and configuration of crane for lift.
- Capacity of crane as configured.
- Pertinent crane load and range charts.
- The weight of the load being lifted and how determined.
- Total weight and configuration of the rigging including block or headache ball, cable etc.
- Detailed description of the rigging including size and capacity.
- The radius and boom angle of the crane for all phases of the lift including the initial pick, movement, and final location

- A scaled elevation view and plan view of the location of the crane and any movements required to complete the lift to include:
    1. Elevations indicating any obstructions, adjacent buildings, roads, power lines, etc.
    2. Clearance from boom to load (drift).
    3. Clearance from load to any obstruction.
    4. Final location of load.
    5. Elevation and plan view of crane location should indicate radii and boom angles.
    6. Elevation of crane as it relates to adjacent construction and final location.
- **Narrative describing the lift.**
- Conditions that would halt the lift such as wind, rain, other personnel in the area, and changes in the lift plan.
- A contingency plan should the plan become unusable.
- Any other pertinent information deemed necessary by the qualified person and or The Construction Manager.
- The submitted Critical Lift Plan must include the signature of the Trade Contractor's qualified person authoring the lift.
- A copy of the lift plan shall be delivered to The Construction Manager prior to the lift commencing with the signature of the crane operator(s) involved in the lift acknowledging that they have read and understand the lift plan.
- Repetitive lifts may use the same lift plan.

Prior to the lift taking place, a pre-lift meeting shall be held with all field personnel involved in the critical lift including the crane operator, rigger, signalman, etc. and shall include the qualified person in charge of the critical lift. The purpose of this meeting is to ascertain all personnel are aware of the intended lift plan and to clarify details and answer any questions regarding the lift. The "written" Critical Lift Plan shall be reviewed at this meeting.

All critical lifts (including ones greater than seventy five per cent (75%) of the rated capacity of the crane), shall also be approved in writing by a Principal of the Prime Trade Contractor performing the lift.

Record Keeping

- All records pertaining to crane inspections shall be kept with the crane or in the trade Trade Contractor's site field office.
- If during any safety inspection, the operator or supervisor cannot produce the required crane inspection sheets, the crane shall be shut down as soon as possible and shall be inspected.
- Crane operators are required to be licensed by the State of New York. The operators shall have a current license and provide a copy to The Construction Manager when requested. Duplicates of Certification records shall be maintained on Project site by Trade Contractor and made available to The Construction Manager upon request. The Trade Contractor shall provide evidence of competency of the operator to The Construction Manager.

Rigging

Rigging refers to the hardware and equipment used to safely attach a load to a lifting device. It also refers to the process of safely attaching a load to a hook by means of adequately rated and properly applied slings and related hardware.

- Rigging shall be under the supervision of a qualified rigger and a qualified rigger shall monitor all lifts. The rigger shall be responsible for all below the hook operations. An inspection of rigging equipment and hardware shall be done and documented prior to each shift starting work.
- If the rigging does not fall within the expertise of that designated person, the load shall not be lifted until a qualified rigger has been identified and is on site.
- All rigging hardware shall have lifting capacities attached or otherwise indicated on each component.
- Shop or field fabricated lifting devices are prohibited unless accompanied by documentation from a licensed engineer.
- All loads shall be properly slung and balanced.
- Center of gravity shall be below the hook and below the lift points.
- Unused slings in multi sling loads shall be secured.
- Point loading the hook for the purpose of bypassing the safety latch or for lifting speed shall be prohibited unless the hook is designed for that purpose.
- Gloves shall be worn when handling wire rope.
- Hands shall be kept clear of pinch points as load is being lifted
- All rigging equipment that is defective or damaged shall be immediately removed for the Project site.
- Chain slings are not permitted to be used for any lifting operation unless specifically designed for a unique application.
- All hooks used for overhead lifting shall be equipped with safety latches or alternate lifting methods such as clamps will be used.
- Shake-out/sorting hooks may only be used for unloading materials from trucks and will not be used for overhead lifting.

General Rules for Lifting

- Qualified signal person per ASME B 30.5 shall direct crane or other equipment operation. The signal person shall be in direct contact or communication with crane or other equipment operator during all movements. The signal person shall be familiar with the equipment operations and limitations.
- Tag lines are required on all loads.
- All personnel involved with the lift on the ground shall wear safety green vests.
- Lifting over personnel or occupied buildings is prohibited without prior planning and written notification to The Construction Manager for review and acceptance.
- A qualified person is required to determine if lifting from overhead structural members (bar joists, beams etc.) is acceptable. Prior notification to The Construction Manager for review and acceptance is required.
- Rigging plan requirements and notification when required by The Construction Manager shall be met.

General Rules for Crane / Crane Operation

- Mobile cranes shall be operated in strict accordance to the rules and regulations of OSHA 29 CFR 1926.550 and ANSI B 30.5.
- All cranes shall be equipped with anti-two block devices.

Crane Operation

- Bearing surfaces shall be adequate to support the loads imposed by the lifting operation. Underground utilities should be located and avoided if possible. Where bearing surfaces are suspect or underground utilities are within the crane's zone of influence The Construction Manager shall be notified.
- Adequate clearance from overhead power lines shall be determined and adhered to.
- Adequate clearance from structures, overhead piping, duct work, or other obstructions shall be determined prior to lifting and adhered to.
- Swing radius of crane shall be taped off with red tape.
- Swing radius of lifts shall be taped off with red tape.
- Crane shall be set level within the manufacturer's tolerances.
- Weight(s) of load to be lifted shall be determined prior to lift by weighing, certified construction drawings or means other than crane computer mechanism.
- For critical lifts requiring near maximum capacity (boom extension, boom angle or weight as configured) radius of crane shall be re-measured after the load has been lifted slightly at the maximum radius (deflection of the boom may affect crane radius).
- For all pick and carry operations the manufacturer's recommendations and applicable crane charts shall be used. Crane shall be de-rated accordingly.

Crane Operators

- Trade Contractor supervision shall require all crane operators be qualified to operate the equipment, have received the specialized training required by OSHA, and be licensed per New York State requirements.
- Trade Contractors requesting a qualified operator shall advise (union hall or otherwise) what cranes they shall be required to operate.
- Trade Contractors renting cranes from a third party shall specify that the operator is qualified to operate the specific crane and be prepared to present documentation
- Crane operators shall perform daily and monthly crane safety inspections. Inspection reports shall be available for inspection by The Construction Manager.
- Crane operators have the final authority whether to lift or not, unless relieved of that authority in writing by a qualified person.

Elevated Work - Fall Hazards

- **100% Continuous Fall Protection** is required and is defined as: protection from falls at all times when working at or above six (6) feet. This means that whenever a worker is exposed to an unprotected edge six (6) feet or greater in height, fall protection is required. All Trade Contractors shall take all practical measures to eliminate, prevent, and control fall hazards. All work shall be planned with the intent to eliminate identified fall hazards first. If the fall hazard cannot be eliminated, then an effective means of fall protection shall be implemented. To accomplish this, a Fall Protection Plan must be developed by the Trade Contractor for all work with a fall exposure greater than 6-feet with a copy provided to The Construction Manager prior to start of work.

OSHA Exceptions - Not Allowed

The Construction Manager does not recognize or allow exceptions to OSHA construction fall protection standard with regards to:

- Structural steel erection (connecting and decking).
- Pre-cast erection.
- Overhand block / brick work.
    - Masons performing overhand block work above six (6) feet shall have at least thirty-two (32) inches four (4) courses of laid block in front of them. (Note: for this exception to be allowed must be approved as meeting the minimum standards for guardrails by a competent person for the Trade Contractor, and included in the Trade Contractor's Site Safety Plan and approved by The Construction Manager)
- Scaffold erection / disassembly
    - Scaffold erection / disassembly procedures that create a greater hazard must be submitted in writing and to The Construction Manager and accepted
- Use of safety monitors for low sloped roofs
    - Monitors may be allowed when no anchorage is available or practical. The use of safety monitor must be submitted in writing to The Construction Manager and accepted.

Guardrails

- Whenever possible a guardrail system should be used to accomplish fall protection. When guardrail systems are constructed of wood, they shall be fastened with screws not nails and be free of any hazards. If and when wooded guardrails are constructed for a very short duration or where screws cannot be used, the guardrails may be fastened with tie wire or nails, however the tie wire or nails should be fastened in such a manner as not to create a hazard to any person.
- Wire rope used for guardrails shall be one half (1/2) inch minimum with three (3) properly installed wire rope clips / grips on each end. Turnbuckles will be installed at suitable intervals to maintain the tightness of the wire rope but in no instance less than one per perimeter side.

- No worker shall remove guardrails without authorization / permission from The Construction Manager. The Trade Contractor removing a guardrail(s) is responsible for

properly replacing them. If a perimeter guardrail system must be removed temporarily, for loading or unloading of materials, workers within six (6) feet of the unprotected edge shall be protected with either a fall arrest or fall restraint system.

Fall Protection

All OSHA requirements and manufacturer's guidelines concerning fall protection shall be strictly adhered to on the Project. These include:

- Guardrail Systems.
- Personal Fall Arrest Systems (PFAS)
- Positioning Device Systems
- Fall Restraint Systems
- Safety Netting
- Floor and Wall Openings / Covering
- Controlled Access Zones
- Protection from Falling Objects

Personal Fall Arrest System

- Use of personal fall arrest systems shall be used only after a guardrail system is deemed infeasible.
- All components of a PFAS must be rated appropriately / certified for that use.
- PFAS systems consist of harness, lanyard, anchorage device, anchorage point and a rescue plan.
- Shop-made chokers are not allowed without an engineer's written approval.
- Trade Contractor s must have available on site for review the product literature for all components of PFAS that are on site.
    - Any time a Trade Contractor will be using any piece of a PFAS not in accordance with the available product literature they shall submit to the Construction Manager's Safety Manager prior written notification with documentation that the manufacturer authorizes this usage / application of the equipment. This should be submitted in either the original Trade Contractor Site Specific Safety Plan or the Trade Contractor's Amendment to their Site Specific Safety Plan.
- Standard six (6) foot shock absorbing lanyards shall not be used for tie-off unless the attachment to an anchorage point is at least eighteen (18) feet above the level where a worker would fall, if he or she fell.
- A lanyard should not be attached to an anchor point that is lower than the worker's harness "D-RING" unless the PFAS is specifically designed for that purpose.
- Lanyards should not be tied back to themselves unless specifically designed for that purpose.
- Horizontal lifelines fall into two (2) general classifications: a commercially available system or a Trade Contractor designed horizontal life line system.

- Personal Fall Arrest systems shall be worn and used by all workers when working six (6) feet or more above the ground / floor or whenever working in a precarious position, unless other adequate fall protection, such as guardrails or safety nets are provided.
- Shock absorbing lanyards must be used unless a Self-Retracting Lanyard is in use.
- Fixed wire rope lanyards are prohibited unless approved by The Construction Manager.
- When working from suspended scaffolding a personal fall arrest system shall be worn and attached to a properly vertical anchored system.
- Only one individual shall use a vertical safety lines at a time.

Work on Roofs other than Roofing

When there is “temporary” work on a low pitched roof (ten (10) degrees or less - 4:12 roof) other than roofing where the distance from the work area to any roof edge is less than fifty (50) feet the following guidelines will be adhered to and the details should be specified in the Trade Contractor’s Site Specific Safety plan or Amendment to that:

- A warning line shall be erected as close to the work area as possible; however not closer to the edge of the roof than fifteen (15) feet.
- The warning line shall be constructed of ropes, wires, or chains with a fifty (50) pound tensile strength or greater (No barrier tape); and withstand a horizontal force of sixteen (16) pounds three (3) feet above the base.
- When penetrations will be made within the designated roof area, they shall have a restricted area perimeter designated at least six (6) feet from their edge.
- If a worker is between the warning line and the roof edge or within six (6) feet of any roof penetration / fall hazard, a positive means of fall protection shall be used.
- Access to the designated shall be a clear path formed by two (2) lines; same criteria for lines and stanchions as stated above.
- All workers assigned tasks in this work area shall be trained in this Site Specific Safety Plan.

Elevated Work (Other than Fall Protection)

Ladders

Ladders must always be used as intended. Being tied off with a Personal Fall Arrest System does not allow a worker to use a ladder in violation of accepted ladder usage. Examples of non-compliance with accepted ladder usage are:

- Standing too high on a step ladder (normally with knees above the top of the step ladder).
- Sitting and standing on top of or straddling a stepladder
- Using a step ladder as a straight ladder
- Not facing into a step ladder while working
- Not maintaining three (3) points of contact while climbing

General Guidelines for Ladders / Stepladders

- Ladders used on this Project shall meet the requirements established in OSHA 29 CFR 1926.1050 and shall be **Type 1A or better**.
- Portable metal ladders shall not be used.
- Workers shall be trained on the safe use of ladders.
- Ladders, stairs, or ramps shall be used to ascend or descend truck beds and / or trailers.
- Ladders, stairs, or ramps shall be provided where there is a change in elevation of 19 inches or greater.
- Ladders with broken or bent rungs, steps, or side rails shall be immediately removed from the Project.
- Use of job-made ladders is discouraged. However, if a job-made ladder is constructed, it shall conform to OSHA and ANSI standards.
- Stepladders shall only be used with the legs fully extended and latches engaged.
- Stepladders shall not be used as straight ladders.
- Workers shall not work when his or her knees are above the top of the stepladder.
- Straight / extension adders shall be set up so the horizontal distance at the bottom is not less than one quarter (¼) of the vertical distance to the bearing point.
- Straight / extension ladders shall be tied off at the top or otherwise secured to prevent displacement. Some cases may require that the ladder be tied off also at the bottom.
- Straight / extension ladders shall extend past the bearing point no less than thirty-six (36) inches.
- Workers shall not stand on the top three rungs of a straight / extension ladder.
- Materials shall not be carried up or down ladders which compromise a Trade Contractor's ability to maintain three (3) points of contact. A rope shall be provided for raising and lowering materials.

Ladder / Step ladder Use

- Working from a step ladder over ten (10) foot in height is not allowed unless all other means have been exhausted and a written plan has been submitted by the Trade Contractor and accepted by The Construction Manager. The written plan must address the reason/s why an alternative means of protection is not being used (i.e.: a work platform) and what safeguards will be used to protect the worker involved. The Construction Manager may accept an exception to the policy shall be stated.

- Use of a straight / extension ladder as a work platform is discouraged on the Project. Working off of a straight or extension ladder where the worker's feet are more than six (6) feet from the ground is only allowed for Trade Contractors using a personal fall arrest system or a spotter.
- When a straight / extension ladder is used it should be tied off or anchored at the top to prevent substantial movement or slipping. If the ladder will be in use for more than one (1) day, in addition to the top tie off/anchoring, the ladder must be cleated or anchored at the bottom.
- When ladders are used to access and egress from another level, workers shall not have to crawl through any type of guardrail system when leaving the ladder or getting on the ladder at the upper level.
- Manufactured ladders on the Project shall comply with the regulations of ANSI-A14.1-1968 (or most recent version), Safety Code for Portable Wood Ladders or ANSI-A14.2-1972 (or most recent version), as required by OSHA. All ladders shall be used in the manner and for the purposes for which they were designed and constructed.
- **When working on or from a ladder at elevations greater than six (6) feet or more above the work surface, all ladders (including stepladders) must be tied, blocked, stabilized by a second worker, or otherwise secured against accidental displacement. Where adequate anchorage points are available, workers shall tie off using a Personal Fall Arrest System. When adequate anchorage is not accessible, a second worker should be used as a monitor for the worker on the ladder. The responsibility of the second worker is to stabilize the ladder and make sure that the worker on the ladder is using the ladder as designed (i.e. not standing higher than specified and or working outside the rails of the ladder, etc.). Utilizing a different method of protection (i.e., scissor lift, scaffold, etc.) is always a "BEST PRACTICE" and recommended.**

Stairways

- Upon delivery to the Project site all office trailers and material storage trailers shall be provided with stairway access to all doorways and shall have landings with railings which allow for at least twenty (20) inches of clearance in front of any door swing. Stairway placement shall follow placement of the upper floor deck, as soon as practical.

Hoists and Elevators

- Temporary personnel elevators and material hoists shall be constructed, installed and maintained in compliance with the manufacturer's instructions and the provisions of applicable statutes and regulations of governing authorities.
- No elevators or hoists are to be used for the movement of materials and personnel until the devices have been certified and licensed by a third party inspector qualified to approve the equipment.
- No person shall be allowed to ride on a material hoist except for the purposes of inspections and maintenance.

Environmental Awareness Program

Environmental Spill

In the event of a spill of environmentally damaging materials, immediate response is required to prevent or minimize the impact this event will have upon the environment and the public welfare. All personnel shall continue to observe standard precautions for handling the materials as detailed in the manufacturer's product Material Safety Data Sheet (MSDS), including the use of personal protection equipment. Where conditions warrant, the Trade Contractor shall have emergency spill containment supplies available for immediate use. The following general procedures apply to the immediate response which must be initiated:

- All personnel in the immediate area of the release shall be alerted to the hazardous material and the nature of the immediate danger to themselves and the environment.
- Within the immediate area of the incident scene, nothing is to be disturbed nor removed after proper evacuation of the injured personnel. Except when necessary to avoid further injury, equipment will not be moved, or the position of items, parts, pieces, controls, etc. will not be changed until photographs have been made and notes taken by the Project Superintendent or other person designated to make the investigation and report.
- As soon as possible, The Construction Manager shall be notified and the trade contractor shall initiate emergency containment and clean up procedures.
- No comments shall be made by Trade Contractors unless authorized by the Construction Manager Project Manager.
- All Inquires shall be referred to the Project Manager The Construction Manager shall make a full investigation and file an Incident Report within twenty-four (24) hours of the occurrence.

Environmental – Silica

Trade Contractors shall submit their silica protection program for review by The Construction Manager prior to the pre-construction conference. As a minimum the Trade Contractor’s silica protection program shall comply with OSHA regulations and shall address the following items:

- Statement of the Trade Contractor's commitment to prevent silica exposures that exceed OSHA's standards.
- Description of air monitoring to determine the silica levels generated by tasks to provide a basis for:
    - Selecting engineering controls,
    - Selecting respiratory protection,
    - Selecting work practices to reduce dust, and
    - Determining if a medical surveillance program is necessary.
    - Description of engineering controls which are proposed for the Project to eliminate or reduce the amount of silica in the air and the build-up of dust on equipment and surfaces.
    - Description of less hazardous materials than crystalline silica which are proposed for abrasive blasting and automatic blast cleaning machines or tools to be utilized.

- Description of high-efficiency particulate air filter vacuums to be used by Trade Contractors and work practices to vacuum, hose down, or wet clean work areas and equipment.
- Description of warning signs and other barriers proposed to identify work areas where respirable silica may be present and to limit access to only authorized Trade Contractors.
- Description of personal protective equipment and clothing to be provided to Trade Contractors and changing facilities if necessitated by the level of silica dust exposure.

- Certification of training provided to Trade Contractors about health effects of silica exposure, engineering controls and work practices that reduce dust, the importance of maintenance and good housekeeping, as well as the proper type and fitting of respirators; and include a statement that the Trade Contractor is or is not enrolled in a medical surveillance program.

Powered Equipment in an Enclosed Structure

- If internal combustion engines are used on powered equipment in enclosed areas, The Construction Manager is to be notified and must approve prior to use. The Trade Contractor is also responsible for monitoring the quality of breathing air for harmful contaminants and adequate oxygen and is responsible for providing adequate ventilation.
- Locations for storage of all fuels, lubricants, starting fluids, etc., shall be reviewed by The Construction Manager prior to use.
- Where required, Trade Contractors shall provide equipment diapers to protect from environmental spills.

Fire Protection

- Trade Contractor shall be responsible for fire protection in its work and operational areas, including offices, tool rooms, and storage areas twenty four (24) hours per day, seven days per week through the duration of this Contract.
- The Trade Contractor, as required by OSHA and the local fire protection code, shall provide appropriate fire suppression equipment.
- The Trade Contractor, for all Hot Work Operations, will provide a fire watch and at least one fire extinguisher of appropriate size & type, at a minimum, 2A20BC / 20 pound multi-purpose extinguisher.
- When a fire extinguisher is required for hot work or as fire protection for materials stored or used, it shall be the responsibility of the Trade Contractor to supply a company owned fire extinguisher. Trade Contractors shall not remove any of the area protection fire extinguishers for personal use.
- Trade Contractor's fire extinguishers shall:
    - Be inspected monthly and certified yearly.
    - Have attached tags to document monthly inspections
    - Have 2A20BC rating – minimum for use shall be 20#'s
    - Be located within the immediate area of any "hot work", welding / cutting operation or flammable liquid storage area.
    - Located within five (5) feet, whenever gasoline operated equipment is in use.
- Only UL Approved metal safety containers properly labeled as to their contents are to be used for handling and/or storage of flammable liquids in quantities more than one gallon.
- All tarpaulins and plastic used for temporary covers shall be of fire resistant manufacture.
- All temporary buildings (shops, field office trailers, crew trailers, etc.) shall have a fire extinguisher located within the structure.
- Access shall be maintained to existing or newly activated fire hydrants, riser vales, PIV's, designated fire aisles or access roads, firefighting equipment, electrical control boxes, and / or plant fire connections.
- Access to entry and exit points to buildings and other structures shall be maintained at all times.

Fire Prevention

Good housekeeping aids in the prevention of fires and shall be maintained at all times. A general clean-up is to be performed daily to ensure good housekeeping.

- Combustible refuse from construction operations shall not be burned or buried at the New York State Fairgrounds Project Site.
- Construction debris shall be placed in the appropriate dumpsters and not be allowed to stockpile in work areas.

Interim Life Safety Matters for Occupied Facilities

Specific Measures

Whenever construction affects the facility's ability to accommodate occupants (either because of

disruption of services, interruption of normal operations, or when hazards are present), it will become necessary to implement interim life safety measures, as follows:

- Ensure that all exits are clear. This includes areas directly affected as well as all other exits.
- Ensure that there is free access to emergency services, that vehicles, material, etc. are not blocking the access route.

Disabling of Fire Protection Systems

- Whenever fire zones or life safety system may be changed, altered or zoned, The Construction Manager must approve all work in writing and in advance.
- Care should be given to provide an alternate system while the primary system is off-line. This includes scheduled maintenance, upgrade, repairs, or adding of coverage resulting in disabling system, and disabling system to allow maintenance or repairs to be completed on other systems (e.g. hot work).
- Fire alarm, detection, and suppression systems must not be impaired for any reason. A temporary (but equivalent) system shall be used if the system is impaired. These temporary systems must be tested monthly.
- Temporary construction partitions shall be smoke tight and noncombustible. Adequate signage shall discourage casual observers from opening or entering the partitions.
- Additional (double) fire-fighting equipment must be provided, as well as personnel trained in its use.
- Construction site shall be kept clean and orderly. This includes material piles, debris, platforms, and break areas.
- Proper notification must be made by The Construction Manager whenever life safety may be impacted due to the scope of work.
- Trade Contractors shall be made aware of egress routes by their employers.
- Trade Contractor management shall inspect egress routes daily to ensure there are no obstacles.
- Effective storage, housekeeping, and debris-removal policies and procedures must be in place to reduce collection of combustibles in construction areas.

Flammable and Combustible Liquids

Use:

- The Construction Manager shall approve vehicle refueling locations and procedures used by Trade Contractors while on the New York State Fairgrounds Project.
- Transportation and transferring of volatile liquids shall be coordinated through the Construction Manager.
- Only approved high flash point solvents are to be used for cleaning purposes.

Storage:

- The Construction Manager must approve the location of any fuel storage tank(s) before it is placed on site. If fuel storage tanks are approved, and the capacity is six hundred (600) gallons or greater, secondary containment is required. Fuel storage requirements must comply with Federal Standards for Construction Activity and the current Spill Prevention Control and Countermeasure (SPCC) plan, Storm Water Pollution Prevention Plan (SWPPP), and Integrated Environmental Contingency (IEC) plan.
- Only OSHA approved containers with appropriate labeling shall be used for sorting and handling flammable and combustible liquids.
- Flammable liquids shall be kept in closed containers when not actually in use.
- No more than twenty-five (25) gallons of flammable and combustible liquids may be stored in a single storage area outside of an approved fire rated storage cabinet.
- No more than three (3) storage cabinets can be located in a single storage area.
- Storage areas shall be located a minimum of seventy-five (75) feet from any building unless otherwise approved by The Construction Manager.
- Storage areas shall be free from weeds, debris, and other combustible material not necessary for storage.
- Storage areas shall be posted with conspicuous and legible, “FLAMMABLES” and “NO SMOKING” signs.

Compressed Gases

Storage and Handling

- Cylinders shall be labeled to their contents.
- Cylinders shall be marked and tagged in regards, to “full”, “in use” or “empty”.
- Empty cylinders shall be stored separate of full cylinders.
- Cylinders shall be kept away from heat or open flames and shall be kept away from slag and hot sparks.
- Tie wire, electrical wire, or other types of wire are not acceptable for securing compressed gas cylinders.
- Devices specifically manufactured or fabricated (racks) for securing compressed gas cylinders are preferred.
- Cylinders may not be stored and left overnight with the gauges on (exception in OSHA letter of interpretation dated.
- Cylinders not in use shall be stored upright with valve caps securely on.
- Cylinders shall be secured upright at all times when transported in vehicles.

- Cylinders shall not be dragged, slid, or rolled on their sides.
- When necessary to lift cylinders by a crane or forklift to an overhead location, a suitable cradle, platform or rack shall be used. Slings or chains are not permitted for this purpose.
- Cylinders shall be securely carried in a vertical position when carried by forklift or in the bed of a truck, etc.
- Whenever cylinders are transported via elevators, no riders are permitted on that elevator and appropriate signage placed if Trade Contractors are not stationed at each entrance to that elevator.

Use

- Flashback arrestors are required on all hoses leading from acetylene and oxygen compressed gas cylinders.
- Compressed air or gas shall not be used for dusting off clothing or skin or to remove hot slag.
- Stored cylinders on carts must have a five (5) foot barrier with a one half (½) hour fire resistance rating between the fuel gas and the oxidizer gas, gauges removed and cylinders capped.

Liquid Propane Gas (LP)

- Storage of LP gas within building is prohibited. Outside storage for liquid propane gas cylinders are required. The outside area must be accepted by The Construction Manager and labeled as a propane area. Cylinders must be secured or (chained) in a secure location (locked propane storage cabinet) during non work hours to minimize the occurrence of theft.
- Tanks one thousand (1000) gallons or larger shall be outside and placed at least ten

(10) feet from any structure.

- Tanks, in excess of twenty (20) pounds, in use inside buildings shall be on solid ground and secured with chain or other suitable material. Tie wire or electrical wire shall not be used.
- LP tanks shall be protected from vehicular and fork truck traffic and shall not be placed in aisles or other walkways.
- Tanks shall have proper regulators connected to the container or to manifolds in the case of multiple tanks.

Hazard Communication

The Occupational Safety and Health Act (OSHA) require each Trade Contractor potentially exposed to hazardous chemicals be advised of the potential hazards and how to guard against those hazards. Each Trade Contractor whose Trade Contractors are potentially exposed to hazardous chemicals must develop a list of all such chemicals used on the Project; gather material safety data sheets (MSDS's) for those materials; develop a labeling system for all materials not in their original containers; and train all potentially exposed personnel in the hazards and their controls for all listed compounds. These steps are outlined in detail in the following material. Trade Contractor training for this requirement will be documented and acknowledged by signatures following each session using an acknowledgment statement.

Material Safety Data Sheets (MSDS's)

Every Trade Contractor will be responsible for development and maintenance of a list of hazardous chemicals utilized within the Project operations and will be further responsible for obtaining and maintaining MSDS's for all such hazardous chemicals. Trade Contractors will be allowed access to this information and the specific MSDS's for chemicals utilized in their work areas. All questions relating to the program should be directed to the Trade Contractor's superintendent or safety representative. An indexed copy of each MSDS will be delivered to The Construction Manager prior to work.

Trade Contractor Information and Training

All new and present Trade Contractors will be given information regarding the requirements of the Chemical Hazard Communication Program; the hazardous chemicals present in their work place; and the physical and health risks of these chemicals. This requirement may be met through orientation sessions for new Trade Contractors and refreshers for all during toolbox talks. The information and training will also include the following elements:

- The symptoms of overexposure to the chemicals.
- How to determine the hazardous presence or release of a chemical in the work place.
- Methods to reduce or prevent the exposure to hazardous chemicals, such as control procedures, work practices, or personal protective equipment.
- Procedures to follow in the event of an exposure to hazardous chemicals. The location of the log containing the MSDS's, which apply to their work place and the location of the written Chemical Hazard Communication Program.
- How to review MSDS's to obtain the hazard information for the chemical, and how to read the labels, which are required on the chemical containers.

- When a new hazardous chemical is obtained for use, each Trade Contractor who could be exposed will be given the information and training as described above, and a copy of the MSDS's for the chemical will be obtained and distributed to those who actually use the chemical in the work place. The MSDS's will be available to all Trade Contractors during each work shift.
- Proper disposal procedures of waste materials shall be enforced.

Container Labeling

All chemical containers at the site must be clearly labeled as to the contents, the hazards involved, and the name and address of the manufacturer. All secondary containers of hazardous chemicals are to be clearly labeled with the same information as the original container. Each Trade Contractor's superintendent or safety representative shall perform the above responsibilities for all their materials.

Hazardous Non-Routine Tasks and Nearby Work

In the event a Trade Contractor is assigned to perform, or is assigned to work in an area where a hazardous task, non-routine to their work, the Trade Contractor will be given the additional information and training related to the hazardous chemicals which may be encountered in the non-routine task. The first-line foreman, Trade Contractor superintendent, or Trade Contractor safety representative will provide this information and training. The information will include the specific chemical hazards of the task, the controls and protective measures required the types of personal protective equipment required, how to use the equipment, the nature of other work being performed in or near the non-routine task, and what emergency procedures are involved with the task.

Chemicals in Unlabeled Pipes, Vessels and Containers

To ensure that Trade Contractors who work on unlabeled pipes, vessels or containers have been informed as to the hazardous materials contained within, the following policy has been established: Prior to starting work on unlabeled pipes, vessels or containers, Trade Contractors are to contact their foreman for the following information:

- Type of chemical in the pipe, vessel or container
- Potential hazards
- Safety precautions which should be taken.

Audit and Review

It will be the responsibility of each Trade Contractor's superintendent and safety representative to review the entire Hazard Communication Program, and to revise and update the material contained herein to reflect all changes in the purchase, use, storage, and handling of hazardous chemicals at the Project site. It will be the further responsibility of the superintendent and safety representative to periodically audit that procedures in the use of the hazardous chemicals meet the requirements as set forth in the MSDS's.

Lockout/Tagout Procedures

The Trade Contractor must adhere and strictly follow their LOTO policy and requirements. No Trade Contractor is permitted to work on any energized circuit. All circuit disconnects must be locked out in the open position or otherwise appropriately identified with affixed tags that state "Locked Out" or other equivalent wording prior to working on the system or equipment.

Lockout Devices

- Only individually keyed padlocks shall be used. Padlocks shall be color coded per craft for easier detection and craft identification. The Construction Manager will approve and review the color.
- A lockout device of the standard scissor type gang hasp that will allow the placing of more than one padlock is required, when more than one individual is working on a circuit or mechanical process.
- A piece of chain or cable may be necessary to complete a lockout on some valves or controls and shall be used wherever needed.

Lock out tags

- Lockout tags shall be uniform and state “Locked Out” or similar wording on the tag,

Operating Facilities and Equipment

All systems covered under this section whether electrical, mechanical or others are considered those systems where no future construction activity is warranted. (i.e.: OSHA 1910 applies)

Procedure

- If device, valve, switch, or piece of equipment is locked out, a "Lock Out" tag shall be attached.
- No device, valve, switch or piece of equipment shall be operated with a "Locked Out" tag and/or lockout attached regardless of circumstances!
- Systems consisting of electrical components will be checked, locked and tagged first by electrical craft Trade Contractor working on the circuit. The electrical craft will be the first lock on, and the last lock off.
- Where placing of lock is not feasible, the circuit conductor will be disconnected from the breaker and tagged out.
- The panel cover must be of the type that will cover all breakers when closed and must be equipped with a hasp in order to secure a lock to prevent the panel door from being opened.
- If panel cover is of a type that cannot be locked closed, a cover must be secured over the panel cover and be locked closed and tagged while any work is being performed on any of those circuits.

- If the above cannot be accomplished, each circuit will be tagged out as prescribed and an electrician will stand by the panel board to prevent breakers from being tampered with. This physical presence will continue daily until the work is complete.
- If Trade Contractors of more than one craft or crew are to work on a system, circuit, machinery, or component, the working supervisor (using a Lock Box) from that craft shall place his individual lock and tag; and verify that the system, circuit, machinery or component being tagged is indeed the correct system. **(“TRUST BUT VERIFY” is the BEST PRACTICE)**.
- Only the person that placed the lock and tag shall remove it without special authorization from the Project Manager, Construction Manager.
- Padlocks, Lockout Devices and "Lock Out tags" shall be made available as specified above.
- Padlocks may be color coded by craft or Trade Contractor for identification and shall only be used by that craft or Trade Contractor for lockout purposes, i.e. valves, switches, electrical components, etc.
- Padlocks shall be issued from the Trade Contractor responsible where a sign in/out log will be maintained. Locks and tags shall be issued to the foremen or supervisor responsible for the craft performing the work. The Trade Contractor of each craft discipline will be responsible for assuring all padlocks are personally identified. The Trade Contractor will be responsible for ordering their own craft's padlocks.
- **Any Trade Contractor(s) or person(s) found to have removed another's lock and/or tag will be subject to disciplinary action up to and including dismissal from the Project.**

Special Situations

Due to the nature of some work, supervisors who have Trade Contractors assigned to work on a system that is between construction and client turnover shall lock and tag out the work and verify the location prior to performing any work. The following additional steps should be applied:

- Prior to the electrical foreman de-energizing the system, the foreman will ascertain whether system or device has been turned over.
- Trade Contractor Electrical foreman/craft journeyman places lock and tag and verifies it is in a safe mode.
- The electrical journeyman or lead man will meter the tagged equipment to verify that it is de-energized.

Masonry

In addition to the requirements contained in OSHA 29 CFR 1926. 706, the following is required:

- A person, appointed by the Masonry Trade Contractor, who meets the OSHA definition of Qualified Person, will prepare a Hazard Analysis. The Hazard Analysis will be reviewed with the Construction Manager Project Safety Manager and the Construction Manager Project Superintendent prior to start of work.
- The Mason's qualified person shall approve all changes in writing, the Hazard Analysis.
- A copy of the Hazard Analysis shall be maintained at the Project site showing all approved changes with a copy provided to The Construction Manager.
- The implementation of the Hazard Analysis shall be by a person appointed by the Masonry Trade Contractor who meets the OSHA definition of Competent Person/s.
- The Hazard Analysis shall be reviewed with each person working on the masonry wall prior to the start of work by one of the following, a safety coordinator, competent person, superintendent, or the foreman.
- A safe means of access to the level being worked shall be maintained.
- There shall be protection provided to prevent tools and material from striking any person below the work/storage level.
- A measuring device to accurately determine wind speed shall be provided by the masonry Trade Contractor with observations made available to The Construction Manager upon request.

Masonry Wall Bracing

- The masonry Trade Contractor shall provide to The Construction Manager a design, prepared by a Professional Engineer, meeting the requirements of OSHA 29 CFR 1926.706 (b) and the Standard Practice for Bracing Masonry Walls under Construction as developed by the Council for Masonry Wall Bracing.
- A "DANGER" sign shall be placed on every unsupported masonry wall that is more than six (6) feet in height, braced or un-braced and fifty (50) feet or less in length. The sign shall be placed at each end of the wall and at intervals of not more than one hundred (100) feet along each side of the wall. The sign shall contain the words "DANGER" and "THIS UNSUPPORTED WALL IS UNSTABLE IN WINDY CONDITIONS".

Masonry Fall Protection

- All Trade Contractors engaged in masonry work, including overhand laying or any other activity that exposes them to a fall of 6 feet or greater shall be provided with, and use a fall protection system. This protection shall be either, a full-body harness, double, shock-absorbing lanyard, safety net, or a guardrail.
- A guardrail system will be constructed in accordance with OSHA 29 CFR 1926.500. All fall protection plans must be submitted and approved by The Construction Manager prior to starting any new work. (See Elevated Work - Fall Protection)

Motor Vehicles and Heavy Equipment

- All equipment must be inspected daily before use by Trade Contractor's operator. Trade Contractor must also make documented and complete inspections at thirty (30) day intervals with proper documentation maintained at the Project site by Trade Contractor and copies shall be made available to The Construction Manager upon request.
- Defective equipment shall be repaired or removed from service immediately. If equipment cannot be repaired immediately it must be tagged “Out of Service - Unsafe to Use”.
- All Trade Contractors’ operators of construction equipment should be properly licensed, trained and /or certified by a competent person. Copies of the certifications shall be maintained on Project site by Trade Contractor and made available to The Construction Manager upon request.
- Vehicles used to transport Trade Contractors shall have seats firmly secured and adequate for the number of Trade Contractors to be carried and all passengers shall be properly seated with seat belt used. Standing/kneeling on the back of moving vehicles is prohibited.
- Drivers of motor vehicles shall have a valid state drivers license (CDL when applicable) and be instructed to exercise judgment as well as observe posted speed limits.
- Pedestrians always have right-of-way over motorized traffic.
- Horns shall be sounded at blind corners, when passing, and/or for warning.
- Established hand signals or turn signals are to be used.
- Reckless driving or other non-observance of these instructions will be cause for withdrawal of driving privileges on the Project.
- Any ATV's used on the Project shall be "Four Wheel Only”
- All vehicles permitted access to the site may be required to display an appropriate vehicle Trade Contractor identification badge from the rear view mirror or other conspicuous location at all times while on the Project.
- Seat belts shall be worn by all Trade Contractors operating motor vehicles and any equipment with rollover protection structures during performance of work.
- Properly trained and equipped flag persons shall be used whenever construction traffic accesses or exits from public highways as well as when construction traffic and deliveries interfere with the planned flow of traffic on public highways.
- Any heavy equipment (cranes, forklifts, dump trucks, excavators / back hoes, man-lifts, etc.) used on this Project shall be inspected prior to use for conformance to applicable OSHA and ANSI standards and shall have the required documentation.
- All vehicles, including ATV’s and material handling equipment used on-site shall have an audible backup alarm. The audible backup alarm shall be loud enough to be heard above surrounding noises and warn workers in the path of or walking towards the path of backing vehicles in time to avoid contact.
- Only company and / or delivery vehicles used for the purpose of conducting work tasks on-site and delivering materials to the site are permitted in construction areas.
- Forklifts shall be equipped with roll over devices, yellow warning lights, back-up alarms, and seat belts
- When motorized equipment is equipped with a windshield, it shall be free of cracks or other visible damage.

- All site vehicles (including pick-up trucks) operated on the construction site shall have:
  - Company logo affixed
  - Audible back-up alarms
  - Seat belts
  - Fire extinguisher (2A20BC rating required - need not be twenty (20) pound)

Daily Equipment Inspections

Equipment operators are responsible to check their equipment daily to verify it is working properly. As a minimum, each operator shall check:

- Brakes
- Lights
- Backup alarm
- Hydraulic systems
- Steering mechanism
- Operating controls
- Mirrors
- Fire extinguishers
- Limit switches
- For any fluid leaks
- Seat belts

Use of Motorized Equipment at Site and Deliveries to Site

The Construction Manager Trade Contractor requiring vehicle entry into the New York State Fairgrounds Project site or motorized vehicles driving on roads or public areas around the site will be required to supply a trained flagger.

Fueling Procedure

New York State Fairgrounds Project Trade Contractors shall comply with the below protocol to minimize the chance of a spill and to provide a plan to minimize or eliminate any impact to the environment in the event a spill occurs. Hazards are identified as overfilling a tank while fueling, filling tank(s) too full, not allowing room for expansion of fuel within the tank(s) with temperature changes, and tank(s) becoming punctured.

Preventative Measures during fueling:

- When possible all fueling will commence over a impermeable surface (ex. asphalt, concrete)
- Storm sewer drains in the area will need to be covered
- A supervisor of the Trade Contractor receiving fuel must be present
- A spill kit capable of handling a spill that could likely happen must be present

- A fire extinguisher of 2A20BC rating must be present during fueling
- The motorized equipment being fueled must be off
- The Trade Contractor or Trade Subcontractor fueling the equipment must remain at the nozzle
- The Trade Contractor or Trade Subcontractor fueling the equipment must comply with all PPE (hard hat, safety glasses, Z-41 rated safety shoes, and gloves) requirements as set forth by the New York State Fairgrounds Project
- When fueling track equipment or immobile equipment unable to be moved to an impermeable surface the following will apply in addition to the above absorbent mats must be placed under the machinery being fueled.
- Awareness of possible runoff areas, water sources, must be determined and a system must be available to contain it.

In the Event of a Spill

- Immediate action must take place to contain the spill.
- All vehicles operating in the area shall be turned off, and vehicle traffic through the affected area shall be restricted till the site is been cleaned and access is re-permitted by a competent person.
- The Trade Contractor involved with or representing the Trade Sub Contractor involved with the spill shall have their competent person present for cleanup.
- All spills must be immediately reported to The Construction Manager Supervisor.

Electric - Temporary

- All electrical work, installation and wire capacities shall be in accordance with the pertinent provisions of the National Electrical Code (most current version), ANSI and OSHA Standards.
- All 120 volt, single phase, 15 & 20 amp temporary power circuits (with the exception of temporary lighting) shall have ground fault circuit interrupters installed.
- When using permanent power, once established in new construction or in renovation areas, Ground Fault Circuit Interrupters shall be used in conjunction with the Assured Electric Grounding Conducter (AEGC) inspections.
- In addition all tools, cords and power sets shall have an assured equipment inspection program maintained on quarterly basis. Portable tools will have the appropriate color code affixed to the male (plug) end following inspection. Extension cords will have the appropriate color code affixed to both ends (plug & receptacle). The previous quarter's color code will be removed to avoid confusion.
- The color codes used for identifying inspected & tested equipment on this Project are:
    - January, February, March - White
    - April, May, June - Green
    - July, August, September - Red
    - October, November, December - Orange
    - The cycle of colors is repeated for the next year)

General Electrical Safety Rules:

- All necessary open wiring must be made inaccessible to unauthorized Trade Contractors or visitors and not be subject to damage. Open wiring is NOT acceptable for temporary lighting circuits. Lighting on barricades, fences, or sidewalk coverings shall be encased in metal raceway.
- Temporary lighting must have guards to prevent accidental contact with the bulb except where the bulb is deeply recessed in the reflector.
- Temporary lights shall not be suspended by the cord unless the fixture was specifically designed in that manner.
- Portable electric lighting used in moist or other hazardous locations such as drums, tanks, vessels, bins, bunkers, etc., shall be operated at a maximum of 12 volts (non-explosive).
- All shop lighting and portable task lighting shall have a cover and guard installed when in use or available for use.
- Extension cords used with portable tools must be heavy-duty, 12 Gauge Min., 3-wire type (clearly marked) and UL approved. Flat extension cords are prohibited. Damaged electrical cords must be removed and not be used.
- All extension cords will be suspended seven (7) feet above finish floor or work platform. Extension cords will not be fastened with staples, hung from nails, or suspended by non-insulated wire.

- All non-current carrying parts of electrical equipment must be grounded or have an approved double-insulated setup. Grounded circuits must have enough capability to carry all currents likely to be imposed on it.
- Trade Contractor shall determine before operations start if there is any energized equipment or electrical circuit in the work area, which might have risk to the worker. Equipment and conductors that must be de-energized shall be identified to The Construction Manager who will arrange to de-energize the equipment under the Lockout and Tagging procedure/system. Trade Contractor shall use the Project Lockout/Tagout procedure and strictly adhere to the use of this requirement. The Construction Manager will monitor adherence to the procedure on a regular basis.
- All temporary power panels shall have covers installed at all times. All open or exposed breaker spaces shall be adequately covered, and labeled.
- All electrical equipment and wiring in hazardous locations must conform to the National Electrical Code standards. The frames of all cutting, welding (arc, helix-arc, gas-plasma-arc) machines shall be grounded.
- All temporary wiring shall be effectively grounded in accordance with the National Electrical Code (Articles 305 and 310). All wiring used for temporary lighting shall be in accordance with the most recent NEC.
- Defective Electrical Tools and Equipment - All electrical tools and extension cords found to be defective (Examples: missing or broken ground pins, exposed internal conductors) will immediately be rendered in-operative by cutting off the plug end or by immediately removing from the Project.
- Cords running through doorways shall be protected from damage.
- All electric panel boxes once energized shall be locked and labeled “Energized Panel”.
- Access to all energized panels will be maintained at a minimum of the width of the panel by three (3) feet deep.
- Only electricians are authorized to enter electric panels, even for resetting breakers.
- When the source of electricity is from a two-wire, single-phase portable or vehicle mounted generator rated not more than 5 KW, a GFCI is not required, as long as the generator is insulated from the frame and all other grounded surfaces.

Double-Insulated Tools

Double-insulated tools are recommended when available on the Project. This is determined by the Underwriter Laboratories “double-insulated” label. Any tool where that label has been removed, painted over, or otherwise is not readable shall not be allowed on the site.

Daily Inspection (Electrical)

- Each extension cord plug, receptacle cord sets, portable electrical equipment, tools, or appliances connected by a cord and plug, shall be visually inspected **daily** by workers for external damage, such as deformed or missing ground pins, insulation damage, frayed wires, or indications of possible internal damage.

- Any electrical equipment, tool, appliance, extension cord, or cord set that is damaged or defective shall be **immediately** removed from service and tagged out as defective equipment (*note* extension cords may only be repaired by a licensed electrician) for repair.

Pre-cast / Pre-stressed Concrete

Fall Protection for all Trade Contractors engaged in work with a fall exposure of six (6) feet or greater above a lower level shall be either, a guardrail system, a safety net system or personal fall arrest system. The use of "Safety Monitoring", a "Warning Line System" or "Controlled Access Zone" is not permitted for work related to this section. **Refer to the Section "Elevated Work Fall Protection" for additional requirements.**

A pre-construction meeting between The Construction Manager, the Fabricator and the Erector will be held to discuss the following topics:

- Sequence of erection;
- Schedule of delivery by load list;
- Crane capacities;
- Crane lift plan with calculations based on load and crane location;
- Anchor bolt certification;
- Review of the structural plans and details;
- Stabilization plans for the structure during all phases of erection;
- Temporary bracing and guying procedures and equipment for deck members, columns and wall panels.

The erector shall provide The Construction Manager with the following information, a written erection plan prepared by a Company Officer or Professional Engineer indicating complete details of all phases of erection that shall include at least the following:

- Crane lift plans with load calculation based on the cranes to be used and various setup locations,
- Written stabilization plans for all phases including the use of temporary guying and bracing for columns and wall panels,
- Written documentation of temporary connection details for use until permanent connections are completed including capabilities of workers doing the installation, types of welds or adequacy of bolted connections.
- Listing of competent persons for fall protection, crane operation, and erection along with phone numbers for emergency contact.
- Fall protection plan in accordance with The Construction Manager Safety Program including Leading Edge Protection both during installation and after. (Sequencing breaks and end of workday protective measures will also be detailed). (Interior floor hole protection must be provided per OSHA Subpart M greater than 2 inches in the least dimension).
- Custody of Guardrail cables following completion of pre-cast erection. Erector to present a plan detailing how the cables will be safely removed utilizing Personal Fall Arrest Systems; or safety nets.
- Silica protection of workers during cutting of concrete.
- Hazard Analysis of all operations, presented to all workers prior to each shift on hazards specific to the day's operation.
- Proof of training for all erection crew members.

- Delivery locations for trailers including adequate ground preparation and plan for unloading.
- Wind loading considerations including when operations will be suspended due to high winds.
- Any proposed field modifications to the approved Erection Plan shall be approved by a Company Officer or the Professional Engineer of Record, added to the plan, which shall be available at the jobsite. A copy must be submitted to The Construction Manager prior to any change.

Other Guidelines:

- Lifting inserts, which are embedded or otherwise attached to pre-cast concrete members, shall be capable of supporting at least four times the maximum intended load applied or transmitted to them, and shall be used in accordance with the manufacturer's recommendations.
- Lifting hardware shall be capable of supporting at least five times the maximum intended load applied or transmitted to the lifting hardware.
- Adjustment of pre-cast members, after initial placement, which requires the lifting of the members in any manner, shall not be made unless wire rope safety tiebacks are used or the members are attached to the crane load line.
- Chains are not permitted to be used as slings. Chain "come-along" are permitted with proof of required inspections and certification.

Signs, Signals, Barricades and Lights

Signs, signals and barricades shall be visible at all times where a hazard exists and will be in compliance with ANSI D6.1 (most recent version), or regulations promulgated by the local authority.

- Whenever the following hazards or processes are encountered on this Project, temporary barricades will be erected to protect workers:
    - Floor or wall openings
    - Work above other workers
    - Open excavations / trenches
    - Unguarded equipment
    - Exposure to vehicular traffic
    - Low light work areas
    - Startup operations and testing of equipment / systems.
    - Process hazards such as discharges, open systems, etc.

Use / Placement of Barricades

When barricading is required, the following guidelines should be kept in mind:

- **Yellow "Caution" tape** is used to limit the passage of workers through the barricaded area. This barricading should only be used to protect workers from hazards that can be seen and avoided, are not severe or the potential for severe injury or death is unlikely.
- **Rope flagged** every six (6) feet with yellow tape, is considered to be yellow tape, and is preferable to the plastic yellow tape since it maintains its integrity longer.
- **Red "Danger" tape** is used to prohibit the passage of unauthorized workers through the barricaded area. This barricading should be used to protect workers from hazards that have the potential to cause serious injury or death, are a health hazard or a hazard that cannot be seen.
    - Red "Danger" taped areas require signage at least every ten (10) feet showing the company and name of person to contact to gain entry.
    - Red taped areas should be erected with a specific access point(s) and workers will not enter the area except through the designated access point.
    - Workers shall not cross red tape or enter into a red taped area without permission from the Trade Contractor that barricaded the area. Workers who enter a red tape "Danger" or "Radiation" Barricaded work area without authorization will be subject to disciplinary action up to and including termination.
    - Rope flagged every six (6) feet with red tape, is considered to be red tape, and is preferable to the plastic red tape since it maintains its integrity longer.

- **Rigid Barricades** will be used to provide additional long-term protection to workers from a hazard. Rigid barricading is used just like yellow "Caution" tape or red "Danger" tape. Whenever a work area requires protection for an extended period of time, rigid barricades are required. Rigid barricading should also be used to protect workers from unguarded moving machinery / equipment, vehicular or heavy equipment traffic, and low light conditions. Rigid barricading can consist of standard guardrail, wooden sawhorses, plastic snow fencing, tube and couple scaffold members, and concrete barriers.

When using "Yellow / Caution" or "Red / Danger" tape barricading:

- Install tape on rigid supports every six (6) feet and at a height of forty-two (42) inches above the surface.
- Install at least six (6) feet from excavations, trenches, holes, leading edges and floor or wall openings. Install barricading at least five (5) feet from all other hazards.
- Install a standard "Caution" or "Danger" sign that identifies the hazard at ten (10) foot intervals around the barricaded area.
- Do not impede walkways, driveways or aisles if possible. Identify alternative passageways when this is impossible.
- Yellow "Caution" or red "Danger" tape should be installed for short term temporary protection only and then removed. If "caution" or "danger" tape is up for an extended period of time, it should be replaced with rigid barrier.

When using snow fence as rigid barricading:

- Installed in a way to prevent collapsing or sagging. Support snow fencing at least every eight (8) feet. Use a support rope woven through the fence at least every 12".
- Provide sufficient points of access to the work area if needed.
- Snow fence shall not be attached to the metal poles with tie wire; plastic wire wraps shall be used.
- Label the snow fence at least every ten (10) feet with appropriate signage indicating "DANGER" or "CAUTION".

When using concrete barricades ("jersey barriers") as rigid barricading:

- Install pins in concrete barriers whenever there is a danger of vehicles or heavy equipment striking it.
- Provide sufficient points of access to the work area if needed.
- Label the barricades at least every ten (10) feet with appropriate signage indicating "DANGER" or "CAUTION".
- Concrete barriers used along public roads must meet the requirements of the local jurisdiction and/or the Manual of Uniform Traffic Control Devices.

Removing Barricades

- When work is complete and the hazard(s) is eliminated, the barricading shall be immediately removed and disposed of or the barricading stored properly.
- No worker shall remove barricades or floor covers without authorization / permission from the Construction Manager Construction Manager.
- Trade Contractor(s) removing barricades, guardrails or covers are responsible for properly replacing them.

Scaffolding

- All scaffold and scaffolding procedures used on this Project shall meet the requirements established in OSHA 29 CFR Subpart L 1926.450, the manufacturer's recommendations, and shall be utilized as the overall scaffold system was intended by the manufacturer.
- All Trade Contractors erecting, using, and dismantling scaffolds shall be trained in the hazards present and the safe procedures to be followed to eliminate exposure to those hazards **and shall be provided with fall protection when six (6) feet or more above the next lower level, unless waived by the Construction Manager's Safety Manager through a written request and acceptance. This should be accomplished in the Trade Contractor's Site Specific Safety Plan.**
- **Whenever a Trade Contractor is working on scaffolding above six (6) feet, that worker shall be protected from falling with an approved fall protection system.**
- **Scaffolding shall be inspected daily by the Trade Contractor competent person. These inspections shall be documented with written inspection sheets / checklists.** These inspection sheets / checklists will be available to the Construction Manager. See Attachments or similar forms specific to the type of scaffold in use shall be used to document these inspections.
- Scaffolds will be labeled with dated "green or red" tags at all entry points. A "green" tag is a tag that can show either "go" the scaffold has been inspected and is ready to use or a "red" tag that the scaffold is not ready for use. This tag is dated to indicate that a daily inspection has been completed.
- Scaffolds under erection / dismantling will be labeled with signage, "Incomplete Scaffold" at all probable entry points and this signage shall be no farther apart than two (2) scaffold sections.
- Scaffolds constructed from individual components, not part of a manufacturer's system, shall be designed and constructed by an OSHA defined competent person. In addition, suspension, swing, or unique scaffolds again assembled from individual components shall require a stamped design by a Professional Engineer.
- Any Trade Contractor using scaffolding shall provide to The Construction Manager the name of their Competent Person along with the content of the Competent Person's Training and a letter stating that all Trade Contractors who may work on the scaffolding are trained.
- Scaffolds (Baker Type) with a width less than sixty (60) inches must have guardrails (top, mid, and toe) installed when the work platform is in excess of forty-eight (48) inches above the floor or lower work area. Supported Scaffolds with a height to base width (including outrigger supports, if used) ratio of more than 4 to 1, shall be restrained from tipping by guying, tying, bracing, or equivalent means.
- **Scaffold cross bracing is not permitted to be used as a substitute for guardrails**.
- Swing gates or an alternate form of guardrail protection will be provided at all ladder or stair access points.
- Where material is being landed on a scaffold, the outrigger extension will not be used to support the material unless it is deemed adequate by the manufacturer and a safety factor of four (4) is provided.
- All non-rolling scaffold frames shall have base plates installed.

- All rolling scaffolds will have wheels locked when in use and stationary.
- Nominal grade lumber is not allowed as scaffold planking.
- **Ladder Jack scaffolds are not permitted on the Project**.

Scissor Lifts

When a scissor lift is used, the Trade Contractors within the lift shall wear a personal fall restraint system and **be tied off with a non shock absorbing lanyard**. The system must be connected to a manufacturer's approved anchorage point located within the scissor lift. Only approved manufactured anchorage points shall be used for tie off. (Note this system is for restraint only, not fall arrest!).

- Trade Contractors must be trained by an authorized trainer prior to using all Scissor Lifts.
- Training must be specific to the equipment being used.
- Scissor lift tie off points shall not be used as an anchorage point for fall arrest for an Trade Contractor working outside of the lift.
- Standing on the lifts guardrail is not allowed, as this may increase the potential and likelihood of an Trade Contractor falling out of the equipment.
- Working from a scissor lift is defined to include measuring, inspecting, and estimating as well as the normal definition of work.
- Scissor lifts shall only be operated per the "Manufactures Specifications" (Operator's Manual). The Operators Manual must be present and within the equipment at all times.
- The above scissor lift usage rules apply whether the scissor lift is being used in an elevated position or in a non-elevated position.
- The area under the scissor lift must be barricaded with caution tape to warn others of the potential for falling objects.

Boom Lifts

- Lanyards used in boom lifts shall be a retractable type for positioning or six foot (non shock absorbing) only.
- Any modification to increase the lanyard length shall require a written plan (e.g. steel erection).
- Tie off is required when moving the lift in the lowered position or loading or unloading the lift from a delivery vehicle.
- Boom lift tie off points shall not be used for an anchorage point for fall arrest for a worker working outside of the boom lift.
- The area under the boom lift must be barricaded with caution tape to warn others of the potential for falling objects.
- Standing on the guardrail system of any lift is not allowed, as this may increase the potential and likelihood of an Trade Contractor falling out of the equipment.

Steel Erection

Pre Erection Plan

Prior to the start of steel erection, a steel erection plan must be submitted to The Construction Manager. The erection plan must include the following:

- sequence of erection
- crane type and capacity
- location of the crane for all sequences
- heaviest piece being lifted
- radius and angle of the longest lift
- paneling roof sections or other components if applicable
- location of the lay down area
- owner supplied equipment being placed by steel erector if applicable (may require separate lift plan for critical lifts per cranes and rigging section)
- detailed fall protection plan

The erection Trade Contractor's competent person shall approve all changes in the safety erection plan.

The implementation of the erection plan shall be under the supervision of a competent person.

A copy of the erection plan shall be maintained at the Project site showing all approved changes with a copy provided to The Construction Manager.

Guidelines for Steel Erection

- A safe means of access to the level being worked shall be maintained. Climbing and sliding on columns or diagonals, is not allowed.
- Containers, such as buckets or bags, shall be provided for storing or carrying bolts or rivets. When bolts, drift pins, or rivet heads are being removed, a means shall be provided to prevent accidental displacement. Tools shall be secured in such a manner to prevent their falling.
- Fall protection provisions, such as lifeline attachments, dynamic fall restraints and other such devices shall be considered during shop drawing preparation and shall be incorporated in fabricated pieces, or have safety lines or devices attached prior to erection wherever possible.
- A tag line shall be used to control all loads.
- For the protection of other crafts on the Project, signs shall be posted in the erection area by the erection Trade Contractor reading, "**Restricted Area - Steel Erection Overhead"** and only ironworkers allowed in this area.
- This will include shakeout areas, erection areas and the load travel path from the storage area to the erection area.
- When loads are being hoisted, all personnel are to be prevented from walking under the load.
- No one shall be permitted to ride a load under any circumstances.

- Crane personnel platforms will not be used for any purpose without the written approval of The Construction Manager.
- Material shall not be hoisted to a structure unless it is ready to be put into place and secured.
- Bundles of metal decking or small material shall be so secured as to prevent their falling out from the rigging.
- **Christmas treeing (multiple lifting) is not allowed without approval of the Construction Manager.**

Fall Protection (See Elevated Work - Fall Protection)

- All workers engaged in steel erection activities that exposes them to a fall of six (6) feet or greater shall be protected from falls. The fall protection shall be either a personal fall arrest system consisting of a full-body harness, double shock-absorbing lanyard, and anchorage, a safety net or a guardrail. Metal deck is not considered a form of fall protection.
- Fall protection requirements shall be rigorously enforced during steel erection with any observed violation cause for removal from the Project.
- Body belts are not permitted as part of a fall restraint system. Only a full body harnesses will be used as part of a personal fall protection system.

Perimeter Protection

- A guardrail system shall be erected immediately following the erection of beams and columns that are connected; consisting of:
    - A minimum of two (2) 1/2-inch diameter new wire rope cables
    - Erected at approximately forty-two (42) inches from the floor deck and at the intermediate point
    - A minimum of three (3) wire rope clips be used at all connections.
    - All connections will be loop-to-loop style.
    - Turnbuckles will be installed at suitable intervals to maintain the tightness of the wire rope but in no instance less than one per perimeter side.
    - The guardrail system shall be installed under the supervision of the steel erector's competent person

- **Guardrails shall not be used as a horizontal lifeline** as part of a personal fall arrest system unless designed by a Registered Professional Engineer, and accepted by The Construction Manager.

Regulatory Agency Inspections

The procedure that follows is guidance for any regulatory agency inspection (including OSHA) at the New York State Fairgrounds Project) when that inspection is initiated through a Trade Contractor performing work on the Project.

Trade Contractors shall have a policy on dealing with regulatory agency inspections (OSHA) and it shall be included in their Site Specific Safety Manual.

Regulatory Agency Arrival On-site

If a Trade Contractor receives notice that a regulatory agency will be visiting the New York State Fairgrounds Project or a regulatory agency arrives at a Trade Contractor's location on the Project, the Trade Contractor shall:

- Immediately notify Management with The Construction Manager and escort the regulatory agency representative to the Field Office.
- At all times, the representative will be escorted by a designee of the Construction Manager, and a Trade Contractor representative.
- The Trade Contractor shall invite The Construction Manager to the opening conference concerning the scope / area of the inspection, ability for immediate corrective action of noted violations, and Trade Contractor interviews.
- The Construction Manager will take duplicate photos of all photographs taken during the regulatory agency inspection.
- The Trade Contractor shall invite The Construction Manager to the closing conference.

Third Party Inspections

In addition to visits and safety inspections by its own corporate or insurance representatives, Trade Contractors are advised that authorized third parties may inspect the Project from time to time. The Construction Manager must be made aware of their presence upon arrival, the purpose and results of such visits which relate to safety.

Temporary Heat

- No solid fuel heaters permitted. LPG will be permitted.

Welding, Cutting, and Burning

Welding

- Screens, shields, or other safeguards should be provided for the protection of men or materials below or otherwise exposed to sparks, slag, falling objects or the direct rays of the arc; r**eference Hot Work listed under "Work Permit Procedures**.
- A fire watch system shall be in place for all welding operations:
- The welder and men assisting the welder shall wear eye protection (to prevent ultra-violet radiation exposure), head protection, and protective clothing.
- Adequate exhaust ventilation shall be maintained at all welding and cutting work areas.

Electric Arc Welding

- Electric welding equipment, including cables, shall meet the requirements of the National Electric Code.
- All arc welding and cutting cables shall be of the completely insulated flexible type, capable of handling the maximum current requirements of the work.
- Cables with cracked or missing insulation shall not be used.
- The frames of all arc welding and cutting machines shall be grounded either through a third wire in the cable connecting the circuit connector or through a separate wire which is grounded at the source of the current.
- All ground connections shall be inspected to insure that they are mechanically strong and electrically adequate for the required current.
- Welding practices shall comply with all applicable regulations.

Gas Welding or Cutting

- When gas cylinders are stored, moved, or transported, the valve protection cap shall be in place.
- When cylinders are hoisted, they shall be secured in an approved cage or basket. The valve cap shall never be used for hoisting.
- All cylinders shall be stored, transported, and used in an upright position. If the cylinder is not equipped with a valve wheel, a key shall be kept on the valve stem while in use.
- If work is suspended for a substantial period of time, compressed gas cylinder valves must be closed, regulators removed and properly stored.
- Cylinders containing oxygen or acetylene or other fuel gas shall not be taken into confined spaces.
- No one shall use a cylinder's contents for purposes other than those intended by the supplier.
- All hose used for carrying acetylene, oxygen or other fuel gas shall be inspected at the

beginning of each working shift.

- Defective hose shall be removed from service.
- Oxygen cylinders and fittings shall be kept away from oil and grease.
- Oxygen shall not be directed at oily surfaces, greasy clothes or hands.
- Regulators, gauges, backflow check valves, and torches shall be kept in proper working order.
- An approved fire extinguisher shall be readily available.
- Flash arrestors are required on the oxygen and acetylene hoses.
- Appropriate personal protective equipment, such as burning glasses, shields, and/or gloves shall be used.
- Adequate exhaust ventilation shall be maintained at all welding and cutting work areas.
- Hot Work permits (see attachments) shall be obtained, prior to any burning or cutting operations on the site from the Construction Manager Superintendent

Work Permit Procedures

General Procedures

Trade Contractors are advised that a work permit is necessary before starting any hot work or entering any confined spaces. The work permit shall be obtained from The Construction Manager before starting work. The Construction Manager will issue approved permits to a Trade Contractor. The procedures for initiating a work permit are listed on the permit application appropriate to the type of work.

Hot Work

Hot work is defined as a process or procedure, which could result in a fire if not properly controlled. Common types of hot work are welding, burning, cutting, brazing, soldering.

- Hot work will usually be permitted only during normal working hours.
- Permits will be issued prior to hot work by the Construction Manager and the work area will be inspected, to verify that adequate control is established.
- A copy of the permit shall be available at the point of work.
- A suitable, twenty (20) pounds, minimum 2A 20BC rating fire extinguisher shall be located within fifty (50) feet ready for instant use in any location where hot work is done.
- The Trade Contractor will take all necessary precautions when welding or burning above walls to assure that protection is maintained on both sides of the wall and that all areas below are protected on multilevel buildings.
- A *fire watch* shall be present at all approved hot work sites and remain for at least one half (1/2) hour immediately after the hot work has halted.
    - A fire watch can support more than one work site if he/she is not distracted from this primary role, the work areas are adjacent, at the same floor elevation and simultaneously visible.
- As a best practice, the PAI will designate a *supplemental fire watch* to make a final check one half (½) hour following the initial one half (½) hour fire watch period, or one (1) hour following the completion of the authorized hot work indicated above.

Confined Space

When working in a confined space is scheduled, such as a caisson, boiler, deep excavations, etc., consideration must be given to two major known and recognized hazards:

- The possibility of fire or explosion, flammable gases, fumes, vehicle fumes, vapors, or dusts.
- The possibility of injury to the worker (or loss of consciousness) as a result of inhalation or absorption through the skin of toxic materials or from oxygen deficiency.

For work in a confined space, the responsibility for recognition and advance notification shall be the Trade Contractor's. The Trade Contractor shall notify The Construction Manager at least two

(2) weeks prior to any anticipated confined space work and a plan shall be agreed upon between the Trade Contractor and The Construction Manager.

Off-Hours Work

- The Construction Manager may require a formal written permit to work off hours
- The Construction Manager General Superintendent and the Construction Manager Safety Manager shall approve all work which is required to be performed outside normal working hours established at the site, in advance.