

RFP 2021-14
REQUEST FOR PROPOSALS
FOR CONTRACT NO. 4-FACILITY IMPROVEMENTS,
PLUMBING
TO THE MATERIALS RECOVERY FACILITY
IN
HILLBURN, NEW YORK
DATED JULY 30, 2021

TO: RECIPIENTS OF THE REQUEST FOR PROPOSALS
FROM: ROCKLAND COUNTY SOLID WASTE MANAGEMENT AUTHORITY d/b/a
ROCKLAND GREEN
DATE: SEPTEMBER 1, 2021
SUBJECT: ADDENDUM NUMBER 4

This Addendum Number 4 shall be part of the Request for Proposals No. 2021-14 for Contract No. 4-Facility Improvements, Plumbing at the Materials Recovery Facility (the "MRF") in Hillburn, New York issued by the Rockland County Solid Waste Management Authority d/b/a Rockland Green (hereinafter "Rockland Green") on July 30, 2021, and as amended (the "RFP").

This Addendum Number 4 provides modifications to the following appendices: Appendix B, Specifications, Appendix C, Contract Drawings, Appendix D-1, Division of Responsibility, and Appendix O, Statement of Work; as well as a modified Price Proposal Form.

- I. Appendix B, Specifications
 - a. Sub-section 2.1(B) of Section 074213, Insulated Metal Wall Panels, of the Specifications in Appendix B to the RFP is modified as set forth in Attachment 1 hereto.
 - b. Sub-sections 1.01 and 1.10 of Section 015000, Temporary Facilities and Controls, of the Specifications in Appendix B to the RFP, are modified as set forth in Attachment 2 hereto.

II. Appendix C, Contract Drawings

Appendix C, Contract Drawings to the RFP has been modified as explained below. The modified Contract Drawings are redlined to reflect the changes and attached hereto as Attachment 3.

Plumbing:

1. Drawing P-001
 - A. Added FPHB-1 in Plumbing Schedule.
2. Drawing P-101
 - B. Revised Gas Load, Added 2 more UH-1's.
 - C. Added FPHB-1.
3. Drawing P-103
 - A. Added KEY NOTES.
 - B. Revised Gas Piping for 2 new UH-1's.
 - C. Added Pump P- 1 and Holding Tank.
 - D. Added FPHB-1.
 - E. Added Room Tags.
4. Drawing P-104
 - A. Added Trench Drain and Sand/oil Interceptor.
 - B. Revised Storm Gutter System.
 - C. Added UH-1's and Gas Piping.
 - D. Added KEY NOTES.
5. Drawing P-301
 - A. Revised Gas Piping to (MRF) 420 Torne Valley Rd.
 - B. Added UH-1's.

III. Appendix D-1, Division of Responsibility

Appendix D-1, Division of Responsibility is modified as reflected in Attachment 4 hereto.

IV. Appendix O, Statement of Work

Appendix O, Statement of Work is modified as reflected in Attachment 5 hereto.

V. Price Proposal Form 16

Price Proposal Form 16 is hereby replaced with the revised Price Proposal Form 16, attached hereto as Attachment 6.

ATTACHMENT 1

**Revisions to Sub-section 2.1(B) of Section 074213, Insulated Metal Wall Panels
of the Specifications in Appendix B to the RFP**

*(Deleted language is reflected as stricken text and added language is reflected as bold,
underscored text)*

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Basis of Design Manufacturer: Metl-Span, a Division of the Cornerstone Building Brands family; Lewisville, Texas Tel: 972.221.6656; Email: info@metlspan.com; Web: metlspan.com.
- B. ~~Provide basis of design product [, or comparable product approved by Architect prior to bid]~~ **Basis of Design Manufacturer or Engineer approved equivalent. Include catalogue cuts and details with the Proposal.**

2.2 PERFORMANCE REQUIREMENTS

- A. General: Provide metal panel system meeting performance requirements as determined by application of specified tests by a qualified testing facility on manufacturer's standard assemblies.
- B. Structural Performance: Provide metal panel assemblies capable of withstanding the effects of indicated loads and stresses within limits and under conditions indicated, as determined by ASTM E 72 or ASTM E 1592 applied in accordance with ICC AC 04, Section 4, Panel Load Test Option or Section 5, Panel Analysis Option:
 - 1. Wind Loads: Determine loads based on applicable building code, wind speed, importance factor, exposure category, and internal pressure coefficient indicated on drawings.
 - a. Wind Negative Pressure: Certify capacity of metal panels by testing of proposed assembly.
 - 2. Deflection Limits: Withstand inward and outward wind-load design pressures in accordance with applicable building code with maximum deflection of 1/180 of the span with no evidence of failure.
- C. Fire Performance Characteristics: Provide metal panel systems with the following fire-test characteristics determined by indicated test standard as applied by testing and inspection agency acceptable to authorities having jurisdiction.
 - 1. Surface-Burning Characteristics: The insulating core shall have been tested per ASTM E 84. The core shall have:
 - a. Flame spread index: 25 or less.
 - b. Smoke developed index: 450 or less.
 - 2. Room Test Performance: FM Global 4880: The panel assembly shall not support a self-propagating fire which reaches any limits of the 50' (15.24m) high corner test structure as evidenced by flaming or material damage of the ceiling of the assembly.
 - 3. Fire Propagation: The fire assembly shall meet the requirements of the standard for NFPA 285
 - 4. Fire Growth: The fire assembly shall meet the requirements of the standard for NFPA 286
 - 5. Potential Heat: Determined in accordance with NFPA 259
 - a. Fire Endurance Tests of Building Construction and Materials: The composite panel shall have to be tested per CAN/ULS S101. Meets 15-minute stay in place requirement.
 - b. Fire Test of Exterior Wall Assemblies. The composite panel shall have to be tested per CAN/ULS S134. Complies with the fire spread and heat flux limitations required by the National Building Code of Canada.
 - c. Fire Growth of Insulated Building Panels in a Full-Scale Room Configuration: The composite panel shall have to be tested per CAN/ULS S138 Met the Criteria of the Standard.

ATTACHMENT 2

**Revisions to sub-sections 1.01 and 1.10 of Section 015000, Temporary Facilities and Controls
of the Specifications in Appendix B to the RFP**

(Added language is reflected as bold, underscored text)

**SECTION 015000
TEMPORARY FACILITIES AND CONTROLS**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Temporary sanitary facilities.
- B. Waste removal facilities and services.
- C. Project identification sign.
- D. Temporary erosion and sediment controls

1.02 RELATED REQUIREMENTS

- A. Section 015813 - Temporary Project Signage.

1.03 TEMPORARY UTILITIES

- A. Owner will provide the following:
 - 1. Electrical power and metering, consisting of connection to new temporary and permanent service.
 - 2. Water supply, consisting of new public water connection.
- B. Use trigger-operated nozzles for water hoses, to avoid waste of water.

1.04 TEMPORARY SANITARY FACILITIES

- A. The Contractor for General Construction shall provide and maintain required facilities and enclosures. Provide at time of project mobilization.
- B. Maintain daily in clean and sanitary condition and as further required in Section 011000.

1.05 BARRIERS

- A. Provide barriers to prevent unauthorized entry to construction areas, to prevent access to areas that could be hazardous to workers or the public, to allow for owner's use of site and to allow public access to the Public Park and to protect existing facilities and adjacent properties from damage from construction operations and demolition.

1.06 FENCING

- A. Construction: Commercial grade chain link fence.
- B. Provide 6 foot (1.8 m) high fence around construction site; equip with vehicular and pedestrian gates with locks.

1.07 VEHICULAR ACCESS AND PARKING

- A. Comply with regulations relating to use of streets and sidewalks, access to emergency facilities, and access for emergency vehicles.
- B. Coordinate access and haul routes with governing authorities and Owner.
- C. Provide and maintain access to fire hydrants, free of obstructions.
- D. Provide means of removing mud from vehicle wheels before entering streets.
- E. Provide temporary parking areas to accommodate construction personnel at the location designated by the Owner. When site space is not adequate, provide additional off-site parking.

1.08 WASTE REMOVAL

- A. Provide waste removal facilities and services as required to maintain the site in clean and orderly condition. Deliver the waste to the Owner's transfer station.
- B. Provide containers with lids or traps. Remove trash and litter from site periodically.
- C. If materials to be recycled or re-used on the project must be stored on-site, provide suitable non-combustible containers; locate containers holding flammable material outside the structure unless otherwise approved by the authorities having jurisdiction.

1.09 PROJECT SIGNS - SEE SECTION 015813

1.10 EROSION AND SEDIMENT CONTROLS

- A. Adhere to the applicable best management practices in the “New York State Standards and Specifications for Erosion and Sediment Control”, current edition.
- B. Submit product data for silt fence, compost filter sock, and catch basin inlet protection.
- A. Implement practices or install additional controls, as necessary to prevent off site sediment transport or tracking.
- B. Maintain erosion control measures for the duration of the project until final completion.
- C. Fines and penalties imposed by regulatory agencies due to improper sediment control from Contractor’s work are Contractor’s responsibility.

1.11 REMOVAL OF UTILITIES, FACILITIES, AND CONTROLS

- A. Remove temporary utilities, equipment, facilities, materials, prior to Date of Substantial Completion inspection and subject to Engineer.
- B. Clean and repair damage caused by installation or use of temporary work.
- C. Restore existing facilities used during construction to original condition.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

ATTACHMENT 3
APPENDIX C, CONTRACT DRAWINGS

ROCKLAND GREEN MRF FACILITY IMPROVEMENTS

CONTRACT NO. 4 - PLUMBING

420 TORNE VALLEY ROAD HILLBURN NY 10931



RRT Engineering, LLC
1 Huntington Quadrangle, 3S01
Melville, N.Y. 11747
ph: 631-756-1060
fax: 631-756-1064



25 WALLKILL AVE • MONTGOMERY • NY 12549
O. 845.294.2724 | CONTACT@ADGARCHITECT.COM
WWW.ADGARCHITECT.COM



185 N. Pennsylvania Ave., Wilkes-Barre, PA 18701
1.570.825.1000 | 1.570.825.0888 | www.mraps.com



Sterling Environmental Engineering, P.C.

OWNER:

OWNER ENGINEER:

ARCHITECT:

MECHANICAL, ELECTRICAL AND PLUMBING ENGINEER:

CIVIL ENGINEER:

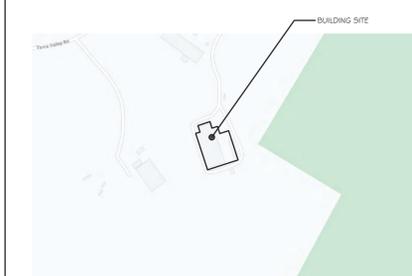
LEGEND:

	EXISTING CONSTRUCTION TO REMAIN		ROOM NAME
	EXISTING CONSTRUCTION TO BE REMOVED		WALL TYPE TAG
	NEW WALL		WINDOW TAG
	EXISTING DOOR TO REMAIN		FINISH TAG
	NEW DOOR		KEY NOTE
	EXISTING DOOR TO BE REMOVED		ELEVATION TAG
	DOOR TAG		WALLBUILDING SECTION CUT
	DETAIL TAG		

SHT.	SHEET TITLE	DRAWING DATE	100% CONSTRUCTION DOCUMENT	REVISION HISTORY			CURRENT REVISION			
				DATE	DESCRIPTION	ISSUED (Y/N)	Rev. #	DATE	DESCRIPTION	ISSUED (Y/N)
P-000	TITLE SHEET PLUMBING	07/30/21	100%				B	07-23-21	REVISED FOR RFP ADDENDUM 4	No
P-001	LEGEND, NOTES AND DRAWING SCHEDULE	07/30/21	100%							No
PD-101	PARTIAL FIRST FLOOR PLANS - AREA 3	07/30/21	100%							No
P-101	PARTIAL FIRST FLOOR PLANS - AREA 3	07/30/21	100%							No
P-102	PARTIAL SECOND FLOOR PLANS - AREA 3	07/30/21	100%							No
P-103	PARTIAL FIRST FLOOR PLAN - WATER AREA 1, 2	07/30/21	100%							No
P-104	PARTIAL FIRST FLOOR PLAN - SANITARY AREA 4-6	07/30/21	100%							No
P-105	ROOF PLAN - PLUMBING	07/30/21	100%							No
P-S01	GAS LOADS AND RISER DIAGRAM	07/30/21	100%							No

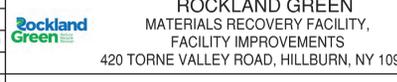
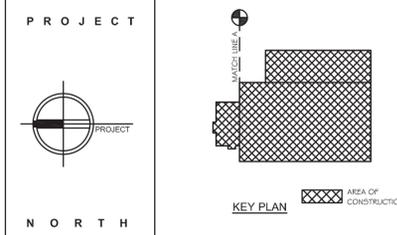
ABBREVIATIONS:

AB.	ANCHOR BOLT	MAT.	MATERIAL
A.C.T.	ACOUSTICAL CEILING TILE	MAX.	MAXIMUM
A.F.F.	ABOVE FINISH FLOOR	MED.	MECHANICAL
APX.	APPROXIMATE	MIN.	MINIMUM
ARCH.	ARCHITECT	MIR.	MIRROR
ASMT.	ASSEMBLY	MISC.	MISCELLANEOUS
BM	BEAM	MTL.	METAL
BO.	BOARD	NOM.	NOMINAL
BOOT.	BOOT	N.T.S.	NOT TO SCALE
BUDG.	BUILDING	O.C.	ON CENTER
CAB.	CABINET	O.H.	OVERHEAD
CLG.	CEILING	PTD.	PAINTED
C.T.	CERAMIC TILE	P. LAM.	PLASTIC LAMINATE
COL.	CORNER	PL.	PLATE
COLL.	COLLUMN	P.F.S.F.	POUNDS PER SQ. FOOT
CORR.	CORROSION	P.S.I.	POUNDS PER SQ. INCH
D.L.	DEAD LOAD	PREPAB	PREFABRICATED
DTL.	DETAIL	P.T.	PRESSURE TREATED (WOOD)
DWM.	DIAMETER	RIG.	RAILING
D.W.	DOUBLE HUNG	REF.	REFRIGERATOR
D.S.	DOWNSPOUT	REINFCED. (ING)	REINFORCED (CONCRETE)
DWG.	DRAWING	REV.	REVISION (E, ED)
ELEC.	ELECTRICAL	RFC.	RISER
ELEV.	ELEVATION	RM.	ROOM
EQ.	EQUAL	SEC.	SECTION
EXST.	EXISTING	SHING.	SHEATHING
EXT.	EXTERIOR	SHT.	SHEET
E.I.F.S.	EXTERIOR INSULATED FINISH SYSTEM	SIM.	SIMILAR
FIN.	FINISH	S.C.	SOLID CORE
F.P.	FIREPLACE	SPEC.	SPECIFICATION
FUR.	FLOOR	SQ.	SQUARE
F.D.	FLOOR DRAIN	STD.	STANDARD
FTG.	FOOTING	STR.	STRUCTURAL
FTD.	FOUNDATION	THICKNESS	THICKNESS
FUR.	FURKED	THK.	THICKNESS
G.C.	GENERAL CONTRACTOR	T&G	TONGUE AND GROOVE
G.L.	GLASS GLAZING	T.O.C.	TOP OF CONCRETE
GYP.BD	GYPSUM BOARD	T.O.B.	TOP OF BEAM
HDR.	HEADWARE	T.O.F.	TOP OF FOUNDATION
HDR.	HEADER	T.O.P.	TOP OF PLATE
HTG.	HEATING	TR.	TREAD
HVAC	HEATING/VENTILATION/AIR CONDITIONING	TYP.	TYPICAL
HGT.	HORIZONTAL	UNF.	UNFINISHED
H.S.	HOSE BIBB	U.O.N.	UNLESS OTHERWISE NOTED
INS.	INSULATED (WALL)	V.B.	VAPOR BARRIER
JT.	JOINT	VERT.	VERTICAL
JST.	JOIST	V.I.F.	VERIFY
K.F.	KITCHEN	W.C.	WATER CLOSET
LAV.	LAVATORY	W.P.	WATER PROOFING
LT.	LIGHT	W.R.	WATER RESISTANT
L.L.	LIVE LOAD	W.W.	WELDED WIRE FABRIC
MFR.	MANUFACTURER	WN.	WINDOW
MAS.	MASONRY	WD.	WITHOUT
		WO.	WOOD



ROCKLAND GREEN FACILITY IMPROVEMENTS PHASING NOTE

- Rockland Green is soliciting proposals for the construction of improvements to its existing Materials Recovery Facility (MRF), as further detailed in the Drawings and Specifications. These Facility Improvements include, but are not limited to, a building addition, site work, interior demolition work, interior build-out work, electric service upgrades and reworked mechanical, plumbing, electrical, fire sprinkler and fire alarm systems to accommodate a new state-of-the-art dual stream recyclable processing system supplied and installed under Contract No. 1 - Processing Equipment.
- The Facility Improvements are being procured through separate contracts as follows:
 - Contract No. 2 - Facility Improvements: General Construction
 - Contract No. 3 - Facility Improvements: Mechanical/HVAC
 - Contract No. 4 - Facility Improvements: Plumbing
 - Contract No. 5 - Facility Improvements: Electrical
 - Contract No. 6 - Facility Improvements: Fire Protection System
- The building has been divided into the following area designations:
 - Area 1 - Existing Tipping Area
 - Area 2 - Existing Processing Area
 - Area 3 - Existing Administration Area
 - Area 4 - New Commingled Tipping Area
 - Area 5 - New Storage & Glass Processing Area
 - Area 6 - New Truck Loading Dock Area
- Work shall commence on the exterior and in the Areas 1 through 6 for its Substantial Completion to be achieved prior to the start of delivery and installation of the Stream Recyclable Processing System (which is scheduled to occur early December 2021). Work shall include all work as defined in the Contract Documents, Specifications and RFP Addendum 4. Work shall also include all rough-in associated with Mechanical, Electrical, Plumbing, and Fire Protection Equipment. All final connections of Mechanical, Electrical, Plumbing and Fire Protection (including equipment fire sprinkler system) in Areas 1 and 2 shall be completed prior to the start of processing equipment.
- Work in Area 3 shall be sequenced to allow sufficient access and use of the building space for Contractors on-site as approved by the Engineer (per the Specifications for Contract No. 2-G) shall achieve Substantial Completion prior to the reworked date for the Operator to begin occupancy and have partial occupancy and use of Area 3. Additionally, any Work by Contract Nos. 1, 3, 4, 5, 6 related to all other Areas 1, 2, 4, 5, and the site work/interior shall progress and be completed to support and not delay the overall Project Schedule.
- Contract Nos. 2-G Work in Areas 4 - 6 shall be sequenced by each applicable Contractor to make most use and access of working space where the building erection is complete, so the work of Contract No. 1 can proceed efficiently. All work to be coordinated between the Contractors.



REV	DESCRIPTION	DATE	BY
1	ISSUED FOR RFP	07/30/21	
2	REVISED FOR RFP ADDENDUM 4	08-27-21	

PROJ. No:	499-010	SCALE:	AS SHOWN
DRAWN	BY	DATE	
CHECKED	BY	DATE	
DESIGNED	BY	DATE	
APPROVED	BY	DATE	
APPROVED	BY	DATE	

NO.	P-000	A
CAD FILE:		
SHEET SIZE:	D-24x36	REV

PLUMBING GENERAL NOTES:

- VERIFY LOCATIONS OF EXISTING AND NEW WORK REQUIRED FOR CONSTRUCTION. MODIFY POINTS OF CONNECTION TO EXISTING SYSTEMS AS NECESSARY FOR JOB CONDITIONS. PROVIDE VALVING, PIPING AND TEMPORARY CONNECTIONS TO NEW AND EXISTING SYSTEMS AS NECESSARY FOR WORK CONTINUATION.
- ALL EXISTING SYSTEMS NOT IN THE CONSTRUCTION PHASE SHALL REMAIN IN SERVICE. ALL SYSTEM SHUTDOWNS SHALL BE COORDINATED AND OCCUR ONLY WITH THE APPROVAL OF THE FACILITY.
- THIS CONTRACTOR IS RESPONSIBLE FOR CUTTING AND PATCHING MADE NECESSARY BY HIS WORK. REMOVALS SHALL BE TO BEYOND FINISHED SURFACES TO ALLOW PATCHING AND FINISHING TO MATCH ADJACENT SURFACES.
- DEMOLITION ITEMS SHALL BE REMOVED FROM THE JOB SITE AND PROPERLY DISPOSED OF, EXCEPT AS DIRECTED BY THE OWNERS REPRESENTATIVE.
- COORDINATE ALL WORK WITH THE FUNCTIONS OF ADJACENT AREAS INCLUDING ABOVE AND BELOW THE PROJECT AREA. PROVIDE SLAB CUTTING AND PATCHING AS NECESSARY TO MAKE NEW CONNECTIONS TO EXISTING UNDER FLOOR SANITARY PIPING.
- CEILINGS THAT NEED TO BE TEMPORARILY REMOVED TO ALLOW FOR THE INSTALLATION OF PIPING OR EQUIPMENT AND ARE NOT SCHEDULED TO BE REMOVED ON THE ARCHITECTURAL DRAWINGS SHALL BE REMOVED AND REPLACED BY THIS CONTRACTOR. COORDINATE THE REMOVAL AND THE REPLACEMENT WITH THE ELECTRICAL, MECHANICAL AND FIRE PROTECTION CONTRACTORS.
- DO NOT INSTALL ANY PLUMBING WORK ABOVE ELECTRICAL PANELS.
- DO NOT INSTALL ANY PLUMBING WORK ABOVE OR THROUGH ELEVATOR EQUIPMENT ROOM, OR DATA ROOMS UNLESS SPECIFICALLY SERVING EQUIPMENT ROOM.
- SLEEVE AND SEAL ALL PIPE PENETRATIONS OF WALL AND FLOORS. PACK VOID BETWEEN PIPE AND SLEEVE WITH INSULATION IN NON-RATED WALL AND FLOORS. PACK VOID BETWEEN PIPE AND SLEEVE WITH INSULATION IN FIRE-RATED WALLS AND FLOORS. APPLY INTUMESCENT FIRE SAFING COMPOUND AT PENETRATION, MAINTAINING INTEGRITY AND RATINGS OF FIRE SEPARATION. SLEEVES THROUGH FLOORS SHALL EXTEND 2" ABOVE FLOOR, BE GROUTED INTO PLACE AND WATERPROOFED. PIPING THROUGH EXTERIOR WALLS SHALL BE SLEEVED AND SEALED WEATHER TIGHT.
- ALL NEW EQUIPMENT INSTALLED ON THIS PROJECT CONTAINING BRASS AND/OR IN CONTACT WITH POTABLE WATER SUPPLY SHALL COMPLY WITH THE REDUCTION OF LEAD IN DRINKING WATER ACT OF 2011. NO LEAD ALLOWED.

GENERAL

- POINT OF CONNECTION TO EXISTING
- POINT OF DISCONNECTION
- FIXTURE/EQUIPMENT IDENTIFICATION TAG
- PLAN/DETAIL #/DRAWING NUMBER

PIPE SYMBOLS

- PIPE ELBOW UP
- PIPE TEE UP
- PIPE ELBOW DOWN
- PIPE TEE DOWN
- SOLENOID VALVE
- SHOCK ARRESTOR
- FIXTURE TRAP
- FLOOR DRAIN
- BALL VALVE
- GATE VALVE
- BALANCE VALVE
- GAS SHUTOFF VALVE
- CHECK VALVE
- BUTTERFLY VALVE
- PRESSURE RELIEF VALVE
- UNION
- FLANGE
- SANITARY WASTE
- SANITARY VENT
- DOM. COLD WATER
- DOM. HOT WATER
- DOM. HOT WATER RECIRC.
- MEDICAL VACUUM
- MEDICAL OXYGEN
- MEDICAL AIR
- FLEXIBLE CONNECTION
- PIPE CAP
- Y-TYPE STRAINER
- PRESSURE REDUCING VALVE
- PRESSURE GAUGE W/PECKOCK
- THERMOMETER
- PRESSURE RELIEF VALVE
- ANTI-SYPHON VALVE
- HOSE END DRAIN VALVE
- CLEAN OUT

ABBREVIATIONS

- & AND
- AD ACCESS DOOR
- AFF ABOVE FINISHED FLOOR
- BHP BRAKE HORSEPOWER
- BTUH BRITISH THERMAL UNITS PER HOUR
- CD A.C. CONDENSATE DRAIN
- CLG CEILING
- CO GLEANOUT
- CONT CONTINUATION
- CM GOLD WATER
- DN DOWN
- DOM DOMESTIC
- DWS DRAWING
- EC ELECTRICAL CONTRACTOR
- EX EXISTING (ALSO EXIST)
- F DEGREES FAHRENHEIT
- FD FLOOR DRAIN
- FLCO FLOOR CLEANOUT
- GC GENERAL CONTRACTOR
- GPM GALLONS PER MINUTE
- H & CM HOT AND COLD WATER
- HP HORSEPOWER
- HVAC HEATING, VENTILATING & AIR CONDITIONING
- HW HOT WATER
- HWB HOT WATER RECIRCULATING
- HZ HERTZ
- IN WG INCHES WATER GAUGE
- KN KILOWATT
- MBH THOUSAND BTU
- ORD OVERFLOW ROOF DRAIN
- PD PRESSURE DROP
- PH PHASE
- PSI (G) POUNDS PER SQUARE INCH (GAUGE)
- RAC RUN ABOVE CEILING
- RBF RUN BELOW FLOOR
- RIC RUN IN CHASE
- RD ROOF DRAIN
- RECIRC RECIRCULATING
- RO ROOF OPENING
- RWC RAIN WATER CONDUCTOR
- SAN SANITARY
- TYP TYPICAL
- IV VOLTS
- V VENT
- W WITH
- WCO WALL CLEANOUT

PLUMBING FIXTURES SCHEDULE

TAG	FIXTURE	MANUFACTURER DESIGN BASIS	MODEL #	SIZE	MATERIAL	CONNECTIONS DATA (INCHES)					MOUNTING HEIGHT	NOTES
						COLD WATER	HOT WATER	SANITARY SEWER	VENT	STORM		
DSN	DOWNSPOUT NOZZLE	ZJRN	Z199	SEE PLANS	BRONZE	-	-	-	-	SEE PLANS	NO GREATER THAN 18" AFG	
FD-1	FLOOR DRAIN	ZJRN	Z415B	SEE PLANS	BRONZE	-	-	2"	1 1/2"	-	FLOOR MTD	4
FPHB-1	FREEZE PROOF HOSE BIBB	WOODFORD	65	-	STAINLESS STEEL	3/4"	-	NA	NA	NA	MOUNT 18" AFF	
FS-1	FLOOR SINK	ZJRN	Z1902	SEE PLANS	A.R.E.	-	-	SEE PLANS	SEE PLANS	-	FLOOR MTD	4, 7
GD-1	GARBAGE DISPOSAL	INSINKERATOR	BADGER 5	1/2" HP	PLASTIC	-	-	1 1/2"	-	-	UNDER SINK	5
P-1	WALL HUNG WATER CLOSET - FV	KOHLER	K-4325	-	VITREOUS CHINA	1"	-	3"	3"	-	WALL MOUNTED	1, 8
P-1A	ADA - WALL HUNG WATER CLOSET - FV	KOHLER	K-4325	-	VITREOUS CHINA	1"	-	3"	3"	-	ADA HEIGHT AND CLEARANCES	1
P-2	WALL HUNG URINAL - FV	KOHLER	K-5016-ETSS	-	VITREOUS CHINA	3/4"	-	3"	3"	-	WALL MOUNTED	1, 9
P-2A	ADA - WALL HUNG URINAL - FV	KOHLER	K-5016-ETSS	-	VITREOUS CHINA	3/4"	-	3"	3"	-	ADA HEIGHT AND CLEARANCES	1, 9
P-3	WALL HUNG LAVATORY	KOHLER	K-1722	19 1/2"x17 1/2"	VITREOUS CHINA	1/2"	1/2"	1 1/2"	1 1/2"	-	WALL MOUNTED	2, 10
P-3A	ADA - WALLHUNG LAVATORY	KOHLER	K-1722	19 1/2"x17 1/2"	VITREOUS CHINA	1/2"	1/2"	1 1/2"	1 1/2"	-	ADA HEIGHT AND CLEARANCES	2, 10
P-4	KITCHEN SINK	ELKAY	CR2521	25"x22"x6-7/8"	STAINLESS STEEL	1/2"	1/2"	1 1/2"	1 1/2"	-	COUNTER MOUNTED	3, 11
P-5	MOB BASIN	FIAT	SB2424	24"x24"x6"	TERRAZZO	3/4"	3/4"	3"	3"	-	FLOOR MTD	12
P-6	WALL MOUNTED LAVATORY	KOHLER	K-1722	19 1/2"x17 1/2"	VITREOUS CHINA	1/2"	1/2"	1 1/2"	1 1/2"	-	WALL MOUNTED	2, 10
P-7	ELECTRIC WATER COOLER WITH BOTTLE FILL	HAWS	1211S	-	STAINLESS STEEL	1/2"	-	1 1/2"	1 1/2"	-	ADA HEIGHT AND CLEARANCES	6
P-8	EMERGENCY EYE WASH STATION	BRADLEY	S19224BPT	-	STAINLESS STEEL	1/2"	1/2"	1 1/2"	1 1/2"	-	ADA HEIGHT AND CLEARANCES	13

- NOTES:
- PROVIDE WATER SHOCK ABSORBER PER MANUFACTURERS RECOMMENDATIONS INSTURCTIONS.
 - PROVIDE TRUEBRO MODEL #102 ADA WATER SUPPLY AND SANITARY SEWER COVERS, ANGLE STOP VALVES, P-TRAP, STRAINER, ASSE 1016 THERMAL MIXING VALVE SET TO 110°F (ADJUSTABLE).
 - PROVIDE ANGLE STOP VALVES, P-TRAP, GD-1 ASSE 1016 THERMAL MIXING VALVE SET TO 110°F (ADJUSTABLE).
 - PROVIDE STATE APPROVED TRAP SEAL DEVICE.
 - PROVIDE WALL SWITCH, FACTORY DISCONNECT SWITCH, 120V/1ø, 6.3 AMPS.
 - PROVIDE FACTORY DISCONNECT SWITCH 115V/1ø, FLA = 5 AND INLINE FILTER.
 - PROVIDE SEDIMENT BASKET.
 - PROVIDE SLOAN MODEL #SOLIS 8113-1.6/1.1-OR, ANTIMICROBIAL SEAT MODEL K-4731-CA, FLOOR MOUNTED CARRIER.
 - PROVIDESLOAN MODEL #SOLIS-8186, FLOOR MOUNTED CARRIER.
 - PROVIDE FAUCETMODEL #K-13461
 - PROVIDE KOHLER MODEL # K-560 FAUCET.
 - PROVIDE 3'-0" STAINLESS STEEL WALL PROTECTORS ON WALL(S), KOHLER FAUCET MODEL #K-837T60-4A.
 - PROVIDE THERMAL MIXING VALVE SET TO (75-100°F) ADJUSTABLE, UNIT TO FAIL COLD.
- * - 2" SANITARY SEWER AND VENT BELOW GRADE.

GAS WATER HEATER SCHEDULE

TAG	FIXTURE	MANUFACTURER DESIGN BASIS	MODEL #	GALLONS	RECOVERY GPH @ 100°F DELTA T	CONNECTIONS DATA (INCHES)				GAS INPUT (MBH)	VOLTS/PHASE	NOTES
						COLD WATER	HOT WATER	CA/FLUE	GAS			
WH-1	GAS WATER HEATER	AO SMITH	BTH-120 MXI	60	138	1 1/2"	1 1/2"	4"	3/4"	120	120V/1ø	1-2

- NOTES:
- PROVIDE 6" HOUSEKEEPING/INERTIA PAD, THERMAL EXPANSION TANK AMTROL MODEL #ST-5-C.
 - PROVIDE FACTORY DISCONNECT SWITCH.

PUMP SCHEDULE

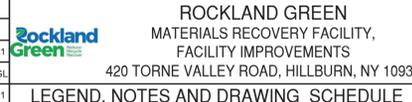
PLAN MARK	SYSTEM SERVED	TYPE	GPM	HEAD (FT)	SHUTOFF HEAD (FT)	MOTOR DATA			DESIGN BASIS (F. MYERS)	NOTES
						HP	VOLTS/ø	RPM		
P-1	LEACHATE SYSTEM	BASE MOUNTED	25	15	137	2	460/3ø	1750	CT SERIES CTJ20	1

- NOTES:
- PROVIDE ABOVE GROUND VFD PRSSURE SYSTEM, FACTORY DISCONNECT SWITCH, 1 1/2" INLET OUTLET HOSES QUICKCONNECT HOSES. PUMP FROM PIT LOCATED NEAR B5. PUMP TO OWNER PROVIDE 150 GALLON STORAGE TANK. PROVIDE CHECK VALVE, UNIONS, STRAINERS AND SHUT-OFF VALVES.

PLUMBING DRAWING SCHEDULE

P-001	LEGEND, NOTES AND DRAWING SCHEDULE
PD-101	AREA A FLOOR PLANS - DEMOLITION
P-101	PARTIAL FIRST FLOOR PLANS - AREA 3
P-102	PARTIAL SECOND FLOOR PLANS - AREA 3
P-103	PARTIAL FIRST FLOOR PLAN - WATER - AREA 1, 2
P-104	PARTIAL FIRST FLOOR PLAN - SANITARY - AREA 4-6
P-105	ROOF PLAN - PLUMBING
P-301	GAS LOADS AND RISER DIAGRAM

NOTE : THIS IS A GENERAL PLUMBING LEGEND. ALL SYMBOLS MAY NOT APPEAR ON THE PLANS. SEE PLANS FOR ACTUAL SYMBOLS USED.



REV	DESCRIPTION	DATE	BY	DATE	PROJ. No:	SCALE:
B	REVISED FOR RFP ADDENDUM 4	8/27/21	RVS/RGL	7/30/21	499-010	NTS
A	ISSUED FOR RFP	7/30/21	RVS/RGL	7/30/21		



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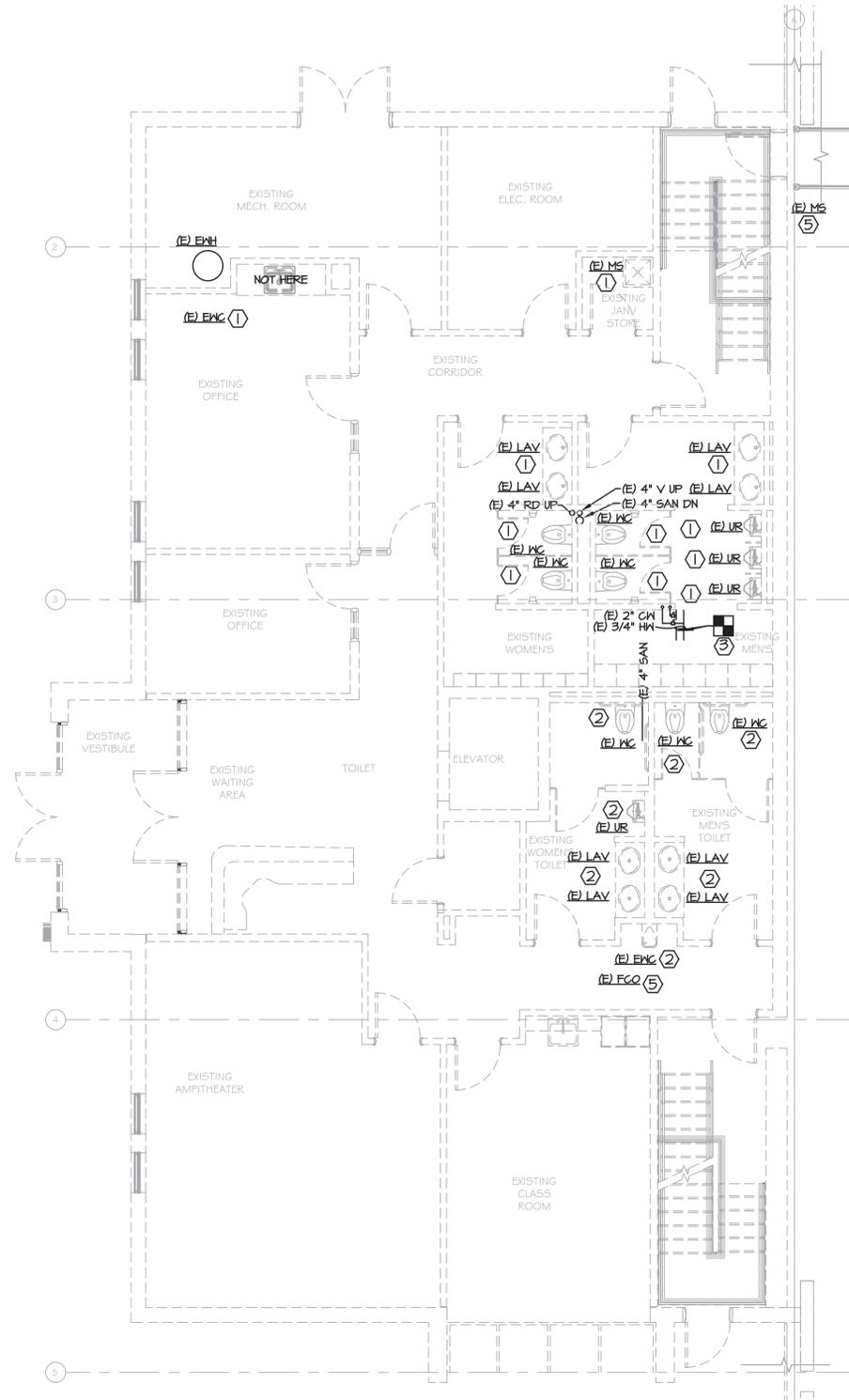
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CHECKED	RGL	7/30/21	DWG. NO.:	P-001		
DESIGNED	RVS	7/30/21	CAD FILE:	N:\2021\121033\MEP\21033 P-001.DWG		
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APPROVED	-	-				

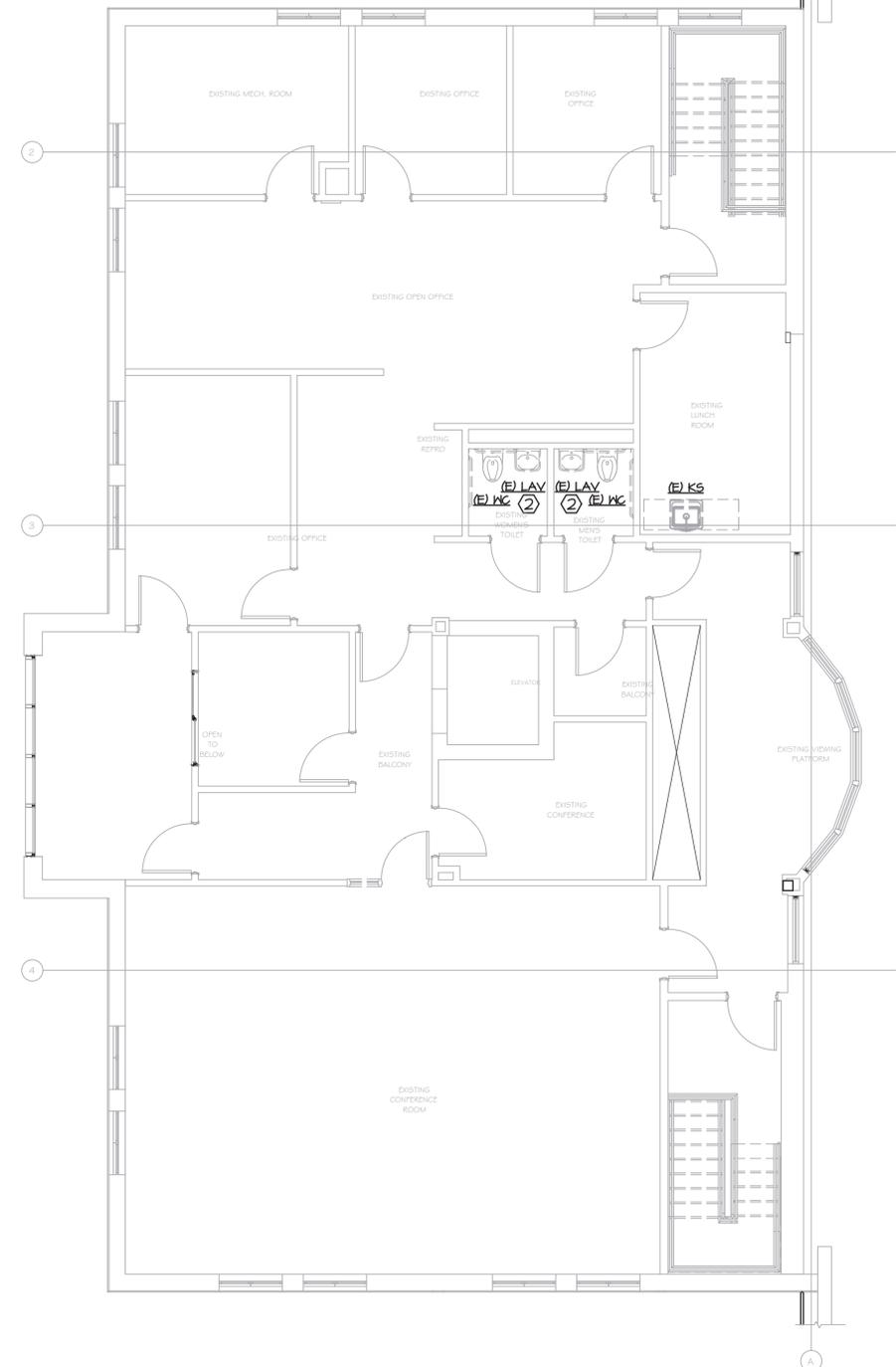
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KEY NOTES:

1. REMOVE FIXTURES AND PREP FOR NEW FIXTURE, REPAIR/REPLACE ANY BROKEN OR WORN CONNECTIONS AS NEEDED.
2. REMOVE FIXTURE AND CONNECTIONS BACK TO MAINS, REPAIR SURFACES SEE ARCH FOR MATERIALS/FINISHES IN AREA.
3. REMOVE HOT AND COLD PIPING BACK TO THIS POINT.
4. REMOVE EXISTING MOP SINK. REMOVE H&CM BACK TO MAINS, REMOVE SANITARY AND VENT BACK TO MAINS.
5. RELOCATE EXISTING FLOOR DRAIN INTO WALL, SEE NEW PLUMBING FOR CLARIFICATION.



1 PARTIAL FIRST FLOOR PLAN - DEMOLITION
 PD-101-BF SCALE: 3/16"=1'-0"



2 PARTIAL SECOND FLOOR PLAN - DEMOLITION
 PD-101-BF SCALE: 3/16"=1'-0"

PROJECT

NORTH

KEY PLAN AREA OF CONSTRUCTION

STERLING
 Sterling Environmental Engineering, P.C.

martinrogers
 ENGINEERING CONSULTANTS
 185 N. Pennsylvania Ave., Wilkes-Barre, PA 18701
 1-717-853-3900 | 1-717-853-0888 | www.mro.com

ANDERSON DESIGN GROUP ARCHITECTURE
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12 WALL LANE • HORTONSBERRY • NY 12548
 518-535-2624

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 NY COA # 0017967

Rockland Green
 ROCKLAND GREEN
 MATERIALS RECOVERY FACILITY,
 FACILITY IMPROVEMENTS
 420 TORNE VALLEY ROAD, HILLBURN, NY 10931

**PARTIAL FIRST FLOOR PLANS
 AREA 3**

REV	DESCRIPTION	DATE	BY	CHK
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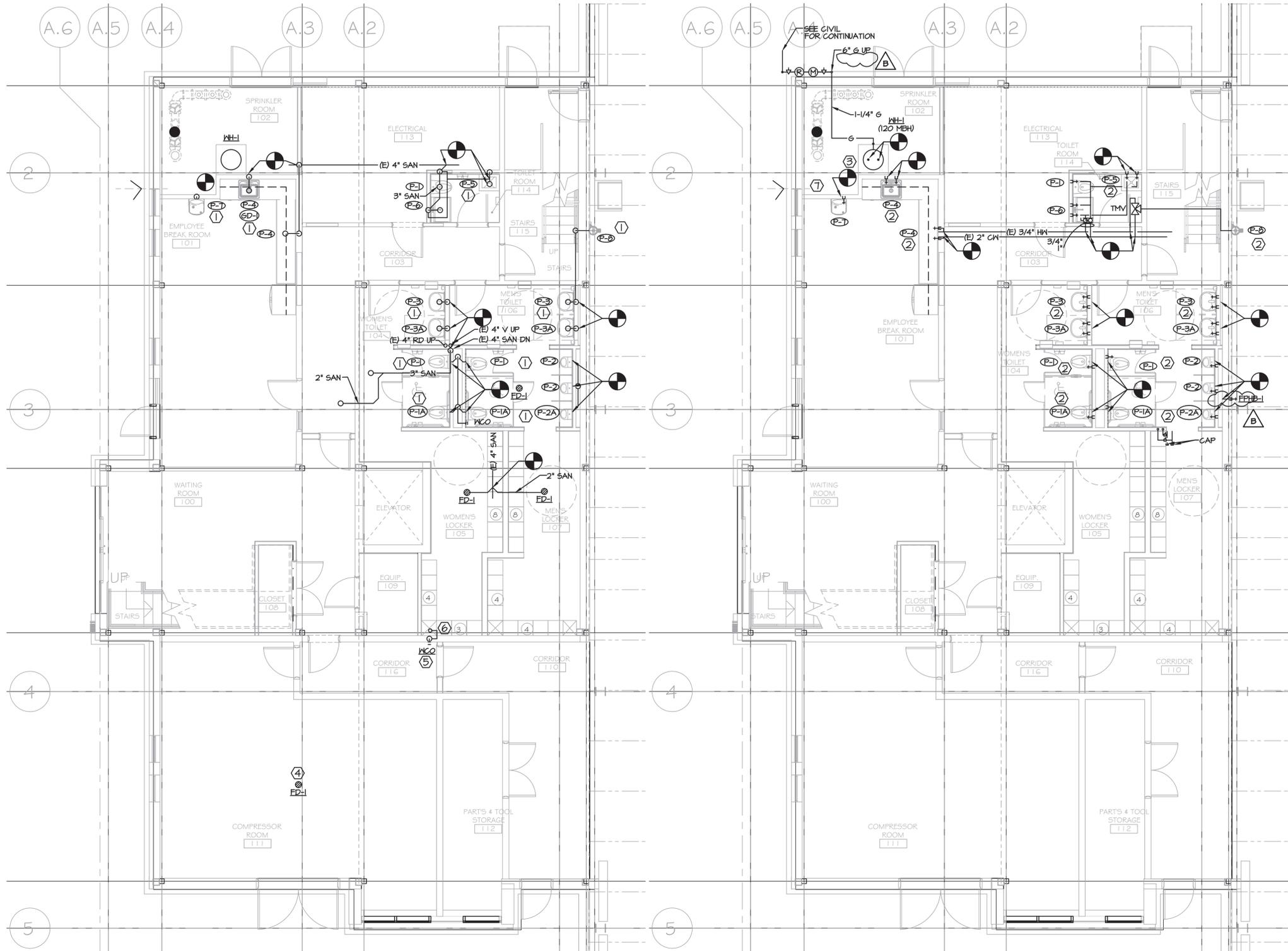


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CHECKED	RGL	7/30/21
DESIGNED	RVS	7/30/21
APPROVED	-	-
APPROVED	-	-

PROJ. No:	SCALE:	DWG. NO.:	REV
499-010	NTS	PD-101	B
SHEET SIZE: D-24x36		CAD FILE: N:2021121033MEP21033 PD-101.DWG	

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KEY NOTES:

- CONNECT NEW FIXTURE INTO EXISTING SANITARY SEWER AND VENT PIPING.
- CONNECT NEW FIXTURE INTO EXISTING HOT AND COLD WATER PIPING.
- CONNECT EXISTING HOT AND COLD, NEW 1/2" GAS LINE INTO NEW HEATER.
- CONNECT INTO NEAREST 2" OR LARGER SANITARY SEWER.
- RE-ROUTE FLOOR CLEANOUT TO WALL CLEANOUT, PATCH EXISTING IN FLOOR.
- PROVIDE AIR GAP FOR 3/4" CONDENSATE DRAIN INTO NEW WALL CLEAN-OUT, PROVIDE ACCESS PANEL IN WALL.
- REPLACE NON WORKING COLD WATER MAIN SHUT-OFF VALVE ONE FOR ONE.

GAS LOAD:

GAS APPLIANCE	GAS INPUT (MBH)
UH-1	120
UH-1 (x2)	400 EACH
UH-1-4 (x4)	80 EACH
UH-5-6 (x2)	150 EACH
RTU-1	250
RTU-2	50
RTU-3	50
TOTAL:	1420 MBH OR CFH

LONGEST GAS APPLIANCE FROM METER:
 UH-1 @ 450 FT FROM METER.
 SCHEDULE 40 LESS THAN 2.0 PSIG - 0.3" WC PRESSURE DROP, SG = 0.60.

1 PARTIAL FIRST FLOOR PLAN - SANITARY
 P-101-BP SCALE: 3/16"=1'-0"

2 PARTIAL FIRST FLOOR PLAN - WATER AND GAS PIPING
 P-101-BP SCALE: 3/16"=1'-0"

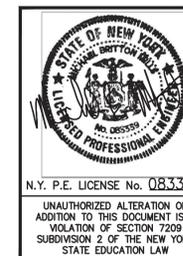
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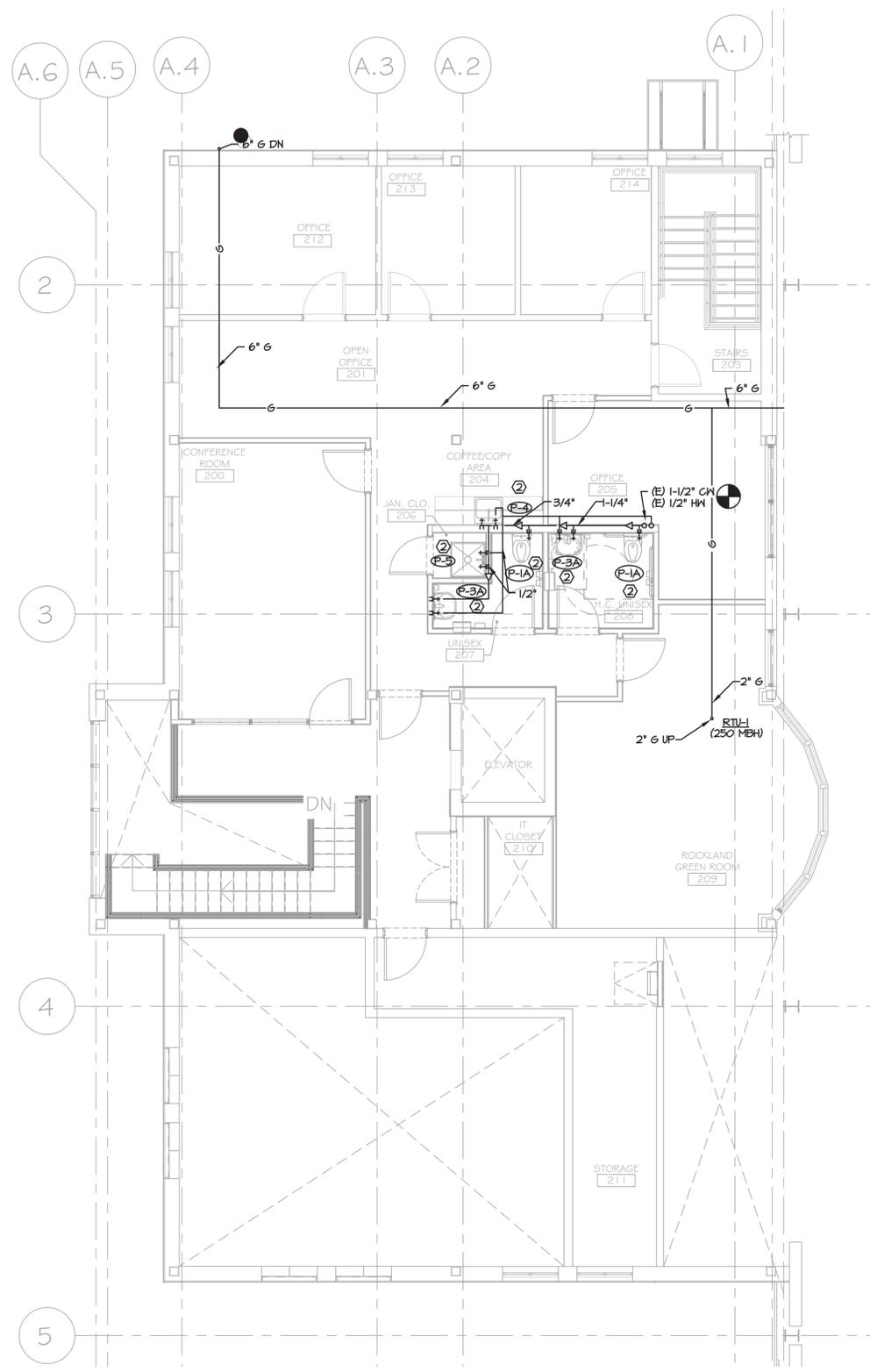
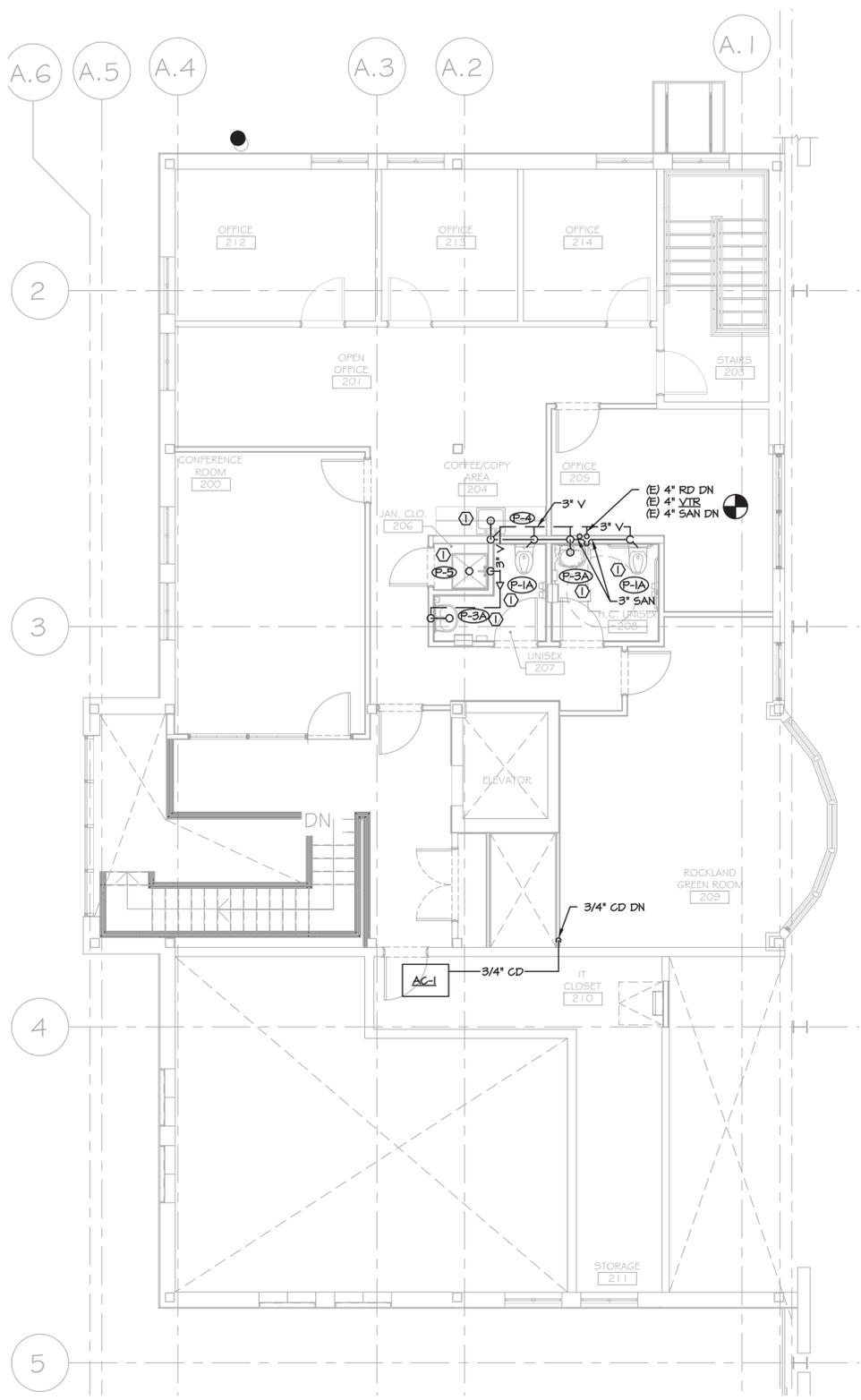
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185 N. Pennsylvania Ave., Wilkes-Barre, PA 18701
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ANDERSON DESIGN GROUP ARCHITECTURE
PLANNING INTERIORS

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<p>ROCKLAND GREEN MATERIALS RECOVERY FACILITY, FACILITY IMPROVEMENTS 420 TORNE VALLEY ROAD, HILLBURN, NY 10931</p>																																
<p>PARTIAL FIRST FLOOR PLANS AREA 3</p>																																
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- KEY NOTES:**
- CONNECT NEW FIXTURE INTO EXISTING SANITARY SEWER AND VENT PIPING.
 - CONNECT NEW FIXTURE INTO EXISTING HOT AND COLD WATER PIPING.

1 PARTIAL SECOND FLOOR PLAN - SANITARY
P-102-BP SCALE: 3/16"=1'-0"

2 PARTIAL SECOND FLOOR PLAN - WATER AND GAS PIPING
P-102-BP SCALE: 3/16"=1'-0"

PROJECT

STERLING
Sterling Environmental Engineering, P.C.

martinrogers
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185 N. Pennsylvania Ave., Wilkes-Barre, PA 18701
1-717-852-2000 | 1-717-852-0888 | www.mrg.com

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An Affiliate of Enviro-Services & Constructors, Inc.
NY COA # 0017967

Rockland Green

ROCKLAND GREEN MATERIALS RECOVERY FACILITY, FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

PARTIAL SECOND FLOOR PLANS AREA 3

PROJ. No:	SCALE:	DWG. No.:	DATE:
499-010	SEE PLANS	P-102	7/30/21
CAD FILE:			
N:2021121003MEP21033 P:102.DWG			
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D-24x36			

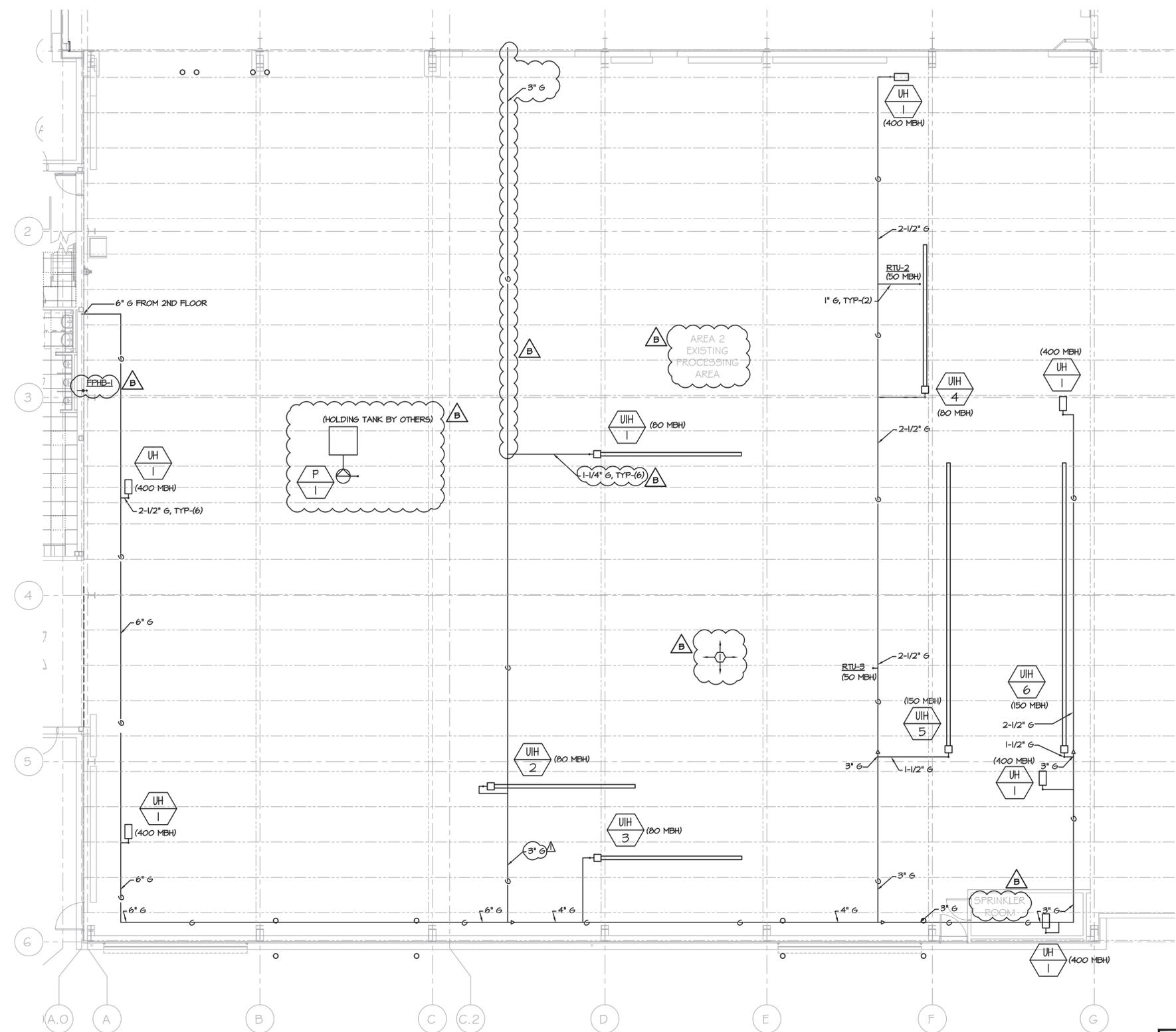
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1 Huntington Quadrangle, 3581
Melville, N.Y. 11747
ph: 631-756-1069
fax: 631-756-1064

APPROVED

KEY NOTES:
 1. MOUNT GAS LINES HIGH AS POSSIBLE.



1 PARTIAL FIRST FLOOR PLAN - PLUMBING PLAN
 P-103-BF SCALE: 3/32"=1'-0"

PROJECT

NORTH

KEY PLAN

STERLING
 Sterling Environmental Engineering, P.C.

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Rockland Green

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 420 TORNE VALLEY ROAD, HILLBURN, NY 10931

PARTIAL FIRST FLOOR PLAN AREA 1 AND 2



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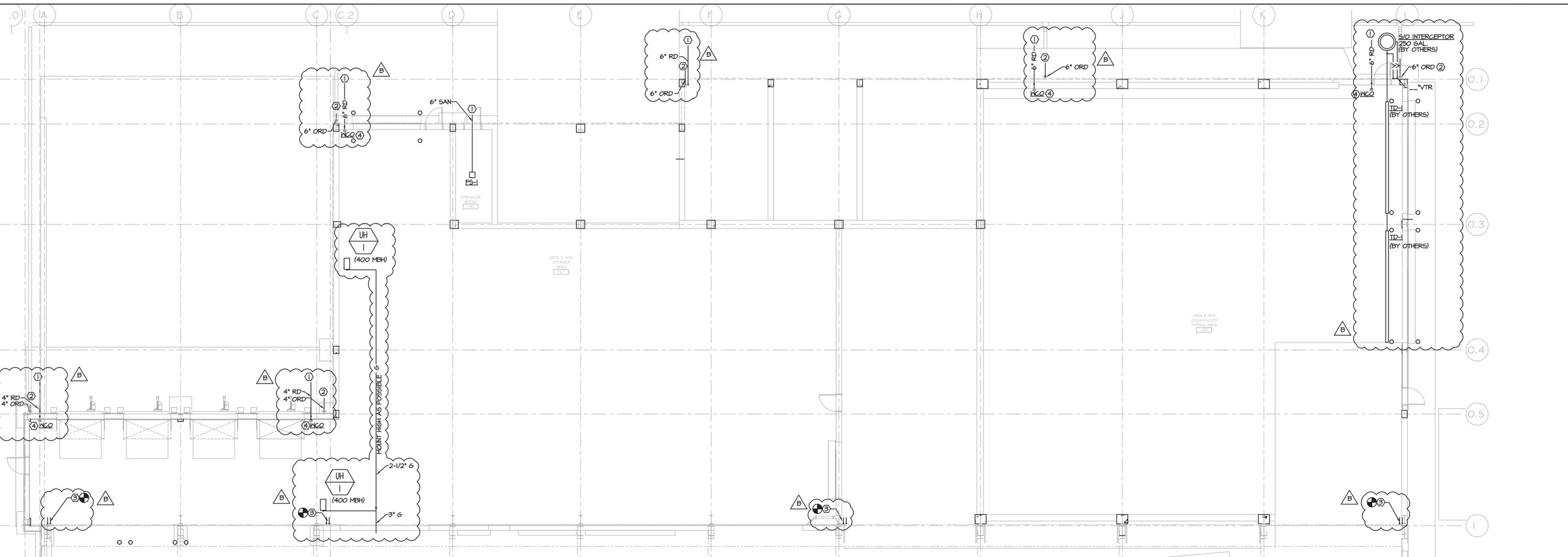
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				RVS	7/30/21	499-010	SEE PLANS
				RGL	7/30/21		
				RVS	7/30/21		

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DWG: P-103
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 SHEET SIZE: D-24x36



1 PARTIAL FIRST FLOOR PLAN - SANITARY
 P-104-BP SCALE: 1/8"=1'-0"

- KEY NOTES:**
- SEE CIVIL FOR CONTINUATION.
 - MOUNT GUTTER DISCHARGE 90° ELBOW NO HIGHER THAN 10" ABOVE FINISHED GRADE, TYPICAL.
 - EXISTING GUTTER AND OVER FLOWS DUMP ONTO NEAR ROOF.
 - MOUNT WALL CLEANOUT AT MINIMUM 10" ABOVE FINISHED FLOOR, TYPICAL.

PROJECT

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Rockland Green
ROCKLAND GREEN MATERIALS RECOVERY FACILITY, FACILITY IMPROVEMENTS
420 TORNE VALLEY ROAD, HILLBURN, NY 10931

PARTIAL FIRST FLOOR PLAN SANITARY - AREA 4-6

BY	DATE	PROJ. No:	SCALE:
RGL	7/30/21	499-010	SEE PLANS
RGL	7/30/21	DWG. NO.:	P-104
RVS	7/30/21	CAD FILE:	N:2021121033MEP21033 P-104.DWG
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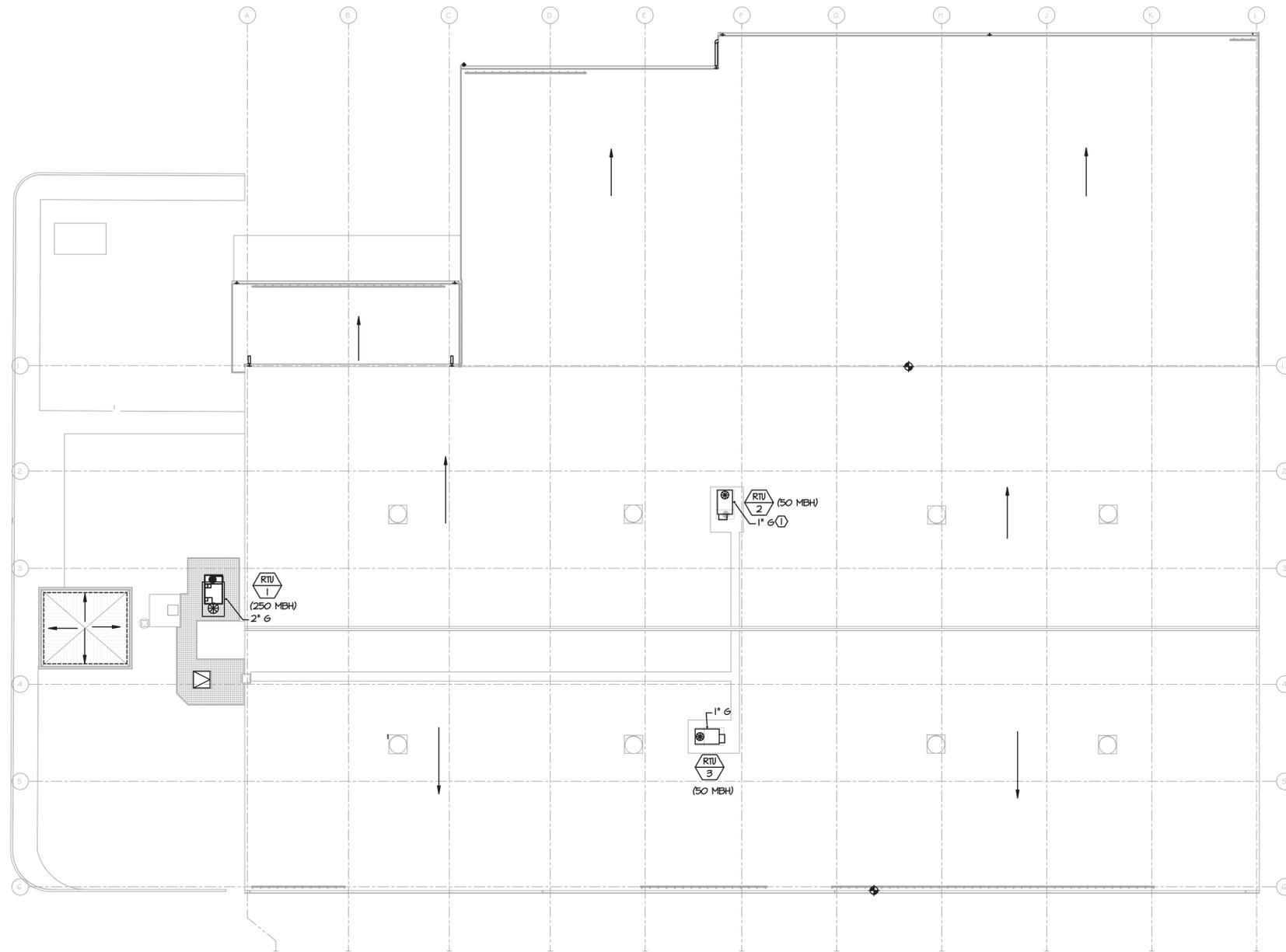
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 Melville, N.Y. 11747
 ph: 631-756-1060
 fax: 631-756-1064

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KEY NOTES:
 I. MAKE LIQUID TIGHT NATURAL GAS PENETRATIONS THROUGH EXISTING ROOFS, TYPICAL.



1 ROOF PLAN - PLUMBING
 P-104-BP SCALE: 1/16"=1'-0"

PROJECT

NORTH

KEY PLAN

AREA OF CONSTRUCTION

STERLING
 Sterling Environmental Engineering, P.C.

martinrogers
 ENGINEERING CONSULTANTS
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 ROCKLAND GREEN
 MATERIALS RECOVERY FACILITY,
 FACILITY IMPROVEMENTS
 420 TORNE VALLEY ROAD, HILLBURN, NY 10931

ROOF PLAN - PLUMBING



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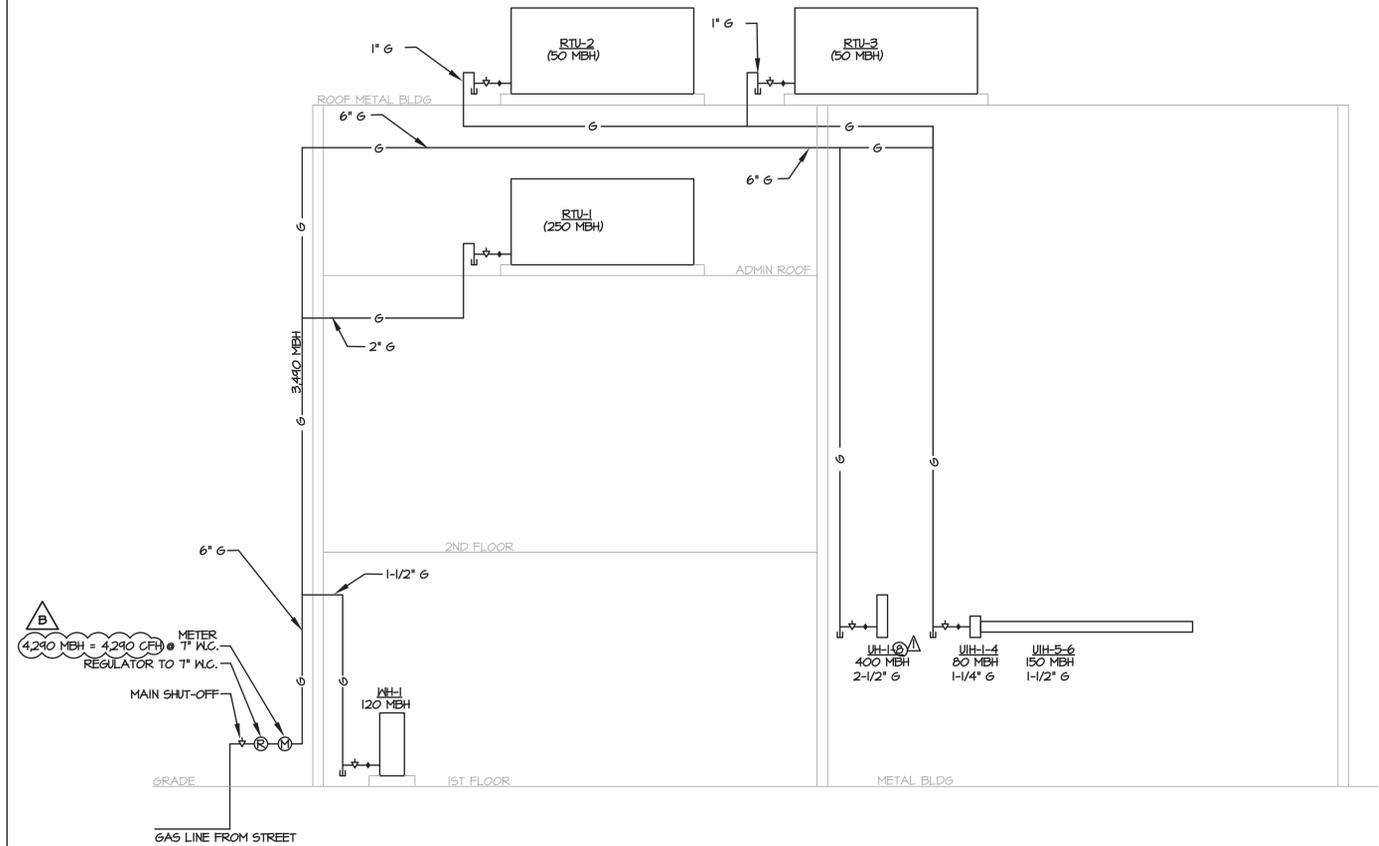
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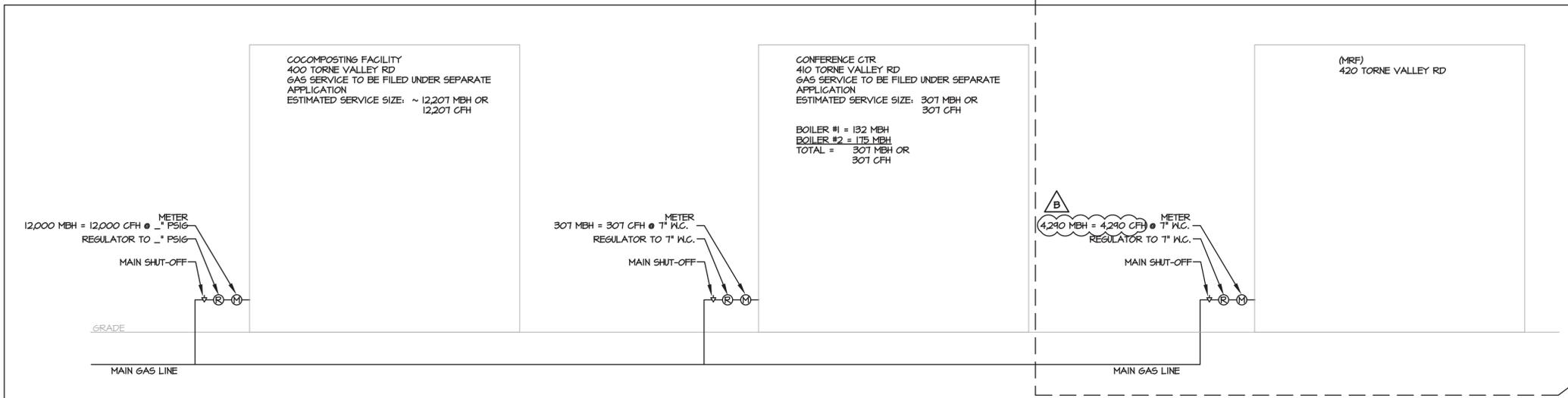
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				RVS	7/30/21	499-010	SEE PLANS
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 CAD FILE: N:\2021\1003\MEP\21033 P-105.DWG
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2 MATERIAL RECOVERY FACILITY (MRF) GAS LOAD AND RISER DIAGRAM
SCALE: NTS



1 ROCKLAND GREEN FACILITY GAS LOAD
SCALE: NTS

PROJECT

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ROCKLAND GREEN MATERIALS RECOVERY FACILITY, FACILITY IMPROVEMENTS 420 TORNE VALLEY ROAD, HILLBURN, NY 10931 GAS LOADS AND RISER DIAGRAM																																									
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	GAS APPLICATION	05/21/21	RVS/RGL																																						
B	REVISED FOR RFP ADDENDUM 4	8/27/21	RVS/RGL																																						
A	ISSUED FOR RFP	7/30/21	RVS/RGL																																						
BY	DATE	PROJ. No:	SCALE:																																						
DRAWN	RVS	7/30/21	NTS																																						
CHECKED	RGL	7/30/21																																							
DESIGNED	RVS	7/30/21																																							
APPROVED																																									
	<table border="1"> <tr> <td> Rockland Green </td> <td> DWG. NO. P-301 </td> <td> B </td> </tr> <tr> <td> UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW </td> <td> 1 Huntington Quadrangle, 3581 Melville, N.Y. 11747 ph: 631-756-1060 fax: 631-756-1064 </td> <td> PROJ. No: 499-010 SHEET SIZE: D-24x36 </td> </tr> </table>	Rockland Green	DWG. NO. P-301	B	UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW	1 Huntington Quadrangle, 3581 Melville, N.Y. 11747 ph: 631-756-1060 fax: 631-756-1064	PROJ. No: 499-010 SHEET SIZE: D-24x36																																		
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NOT FOR CONSTRUCTION

ATTACHMENT 4
APPENDIX D-1, DIVISION OF RESPONSIBILITY
(Changes are highlighted in yellow)



DIVISION OF RESPONSIBILITY

Rockland Green MRF Equipment & Facility Improvements

8/30/2021

Rev 8

ID	ITEMS OF WORK	Contract No. 1 Processing Equipment	Contract No. 2 General Construction	Contract No. 3 Mechanical/HVAC	Contract No. 4 Plumbing	Contract No. 5 Electrical	Contract No. 6 Fire Protection Systems	Contract No. 7 Fire Rover	Rockland Green	Operator	Remarks
Process Equipment System											
	Processing Equipment Supply & Installation	X									
	Compressors & Piping w/ Accessories	X									Ventilation & power drops by Contract No. 4
	Maintenance & Access Platforms & Stairs w/ Guardrails	X									
	Control Panels for Equipment	X									Power drops by Contract No. 3
	Interconnect Wirings from Control Panels to Motors & Devices	X									
	Sort Room Enclosures	X									HVAC and power drops by Contract No. 4
	Coordination with Equipment Fire Sprinkler Contractor	X									
	Start-up, Commissioning & Training	X								X	
Sitework/Civil											
	Clear, Strip, Soil Erosion Control		X								
	Rough Grade		X								
Exterior Demolition											
	Excavation		X								
Re-grading & Drainage											
	Paving		X								
	Fencing		X								
	Stormwater Improvements		X								
	Water Line Relocation & Branch Pipe Connection to Area 5		X								
	Gas Service Line & Connection before the Meter		X						X		With utility company
Traffic Signage and Stripping											
	Removal of Existing Oil Tank								X		
	Removal of Existing Fabric Shed & Propane Tank on South Side								X		
Removal of Existing Diesel Tank											
	Rework of Existing Landscaped Area		X						X		
East Side Retaining Wall											
	Others/Mics. (NW concrete curb revision, sidewalk, aprons, etc.)		X								
Structural											
	Building Interior Demolition (concrete pushwall, guardrails, etc.)		X								
	Filling Existing Pits		X								
	Building Panels and/or Steel Demolition		X								
	PEMB Column Frame footings - Area 4, 5 & 6		X								
	PEMB Grade Beams - Area 4, 5 & 6		X								
	Concrete Push Wall footings including Glass Bunkers - Area 4 & 5		X								
	Concrete Push Walls including Glass Bunkers - Area 4 & 5		X								
	Pits - Area 1 & 2		X								
	Dock Levelor Pits - Area 6		X								
	Demolition of Existing Docks and Retaining Wall - Area 6		X								
	Demolition of Existing Wall Separating Areas 2 & 6		X								
	Opening for Drum Feeder - Area 1 & 4		X								
	Concrete Pad for Baler - Area 2		X								
	O.H Doors Framing		X								
	Column & Building Reinforcement and Brace Relocations - Areas 1 & 2		X								
	Structural Modifications - Area 3		X								
	Concrete Pad for Proposed Switchboard - Exterior to Area 3		X								
	Concrete Pads for Fire Rover - Exterior		X								
Trench Drains, Piping & Holding Tank Area 4											
Sump for Baler - Area 2											
Baler Pad with Steel Embeds											
Pre-Engineered Metal Building (PEMB)											
	PEMB Structure - Area 4, 5 & 6		X								
	Anchor Bolts - Area 4, 5 & 6		X								
	Roof/Building Penetrations - Area 4, 5 & 6		X								Framing
	Gutters and Leaders - Area 4, 5 & 6		X								
	Overhead Door Framing - Area 4, 5 & 6		X								
	Personnel Exterior doors - Area 4, 5 & 6		X								
	Rooftop HVAC Units Framing - Area 4 & 5		X								
Building Structure Grounding - Area 4, 5 & 6											
Fire Service Room (Complete) - Area 5											



DIVISION OF RESPONSIBILITY

Rockland Green MRF Equipment & Facility Improvements

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ID	ITEMS OF WORK	Contract No. 1 Processing Equipment	Contract No. 2 General Construction	Contract No. 3 Mechanical/HVAC	Contract No. 4 Plumbing	Contract No. 5 Electrical	Contract No. 6 Fire Protection Systems	Contract No. 7 Fire Rover	Rockland Green	Operator	Remarks
	Misc. Construction										
	Floor Damage Repair		X								
	Dock Levelors w/ Accessories Supply & Install - Area 6		X								
	O.H. Doors Supply & Install - All Areas		X								
	Demolition of Existing Enviro. Wall & Concrete Pushwall - Area 1 & 2		X								
	Enviro. Wall & Concrete Pushwall - Area 1 & 2		X								
	Enviro. Wall & Concrete Pushwall - Area 4 & 5		X								
	Electrical Disconnect (Make Safe) - All Areas		X								
	Bollards - All Areas		X								
	Blowdown and Clean - Areas 1 & 2		X								
	Architectural										
	Roof Work - Areas 1 & 2		X								
	Roof Work - Area 3		X								
	Roof Interface Work between All Adjacent Building		X								
	Roof & Building Penetrations - All Areas		X								
	Furniture - Area 3								X	X	
	Office and Vending Equipment - Area 3									X	
	Office Structure and Layout Modifications - Area 3		X								
	Carpentry & Drywall - Area 3		X								
	Ceilings - Area 3		X								
	Millwork - Area 3		X								
	Doors & Hardware - Area 3		X								Remove & Replace existing doors where applicable
	Finishes (Complete) - Area 3		X								
	Restroom Accessories - Area 3		X								
	Overhead Doors - All Areas		X								
	Windows - Area 3		X								
	Solarium Windows Modifications As Required next to Compressor Room - Area 3		X								
	Doors & Hardware - Areas 1, 2, 4, 5 & 6		X								Remove & Replace existing doors where applicable
	Facility Safety & Exit Paths (Painting on the Floor)		X								
	Mechanical										
	Replace Existing Fans & Reuse Existing Openings - Area 1 & 2			X							
	MUA & Duct Work to Two Sort Rooms - Area 1 & 2			X							
	Unit Heaters - Area 1 & 2			X							Dependent of equipment layout
	Infrared Heaters - Area 1 & 2			X							Dependent of equipment layout
	Exhaust Fans - Area 3			X							
	Rooftop Unit w/ VAV and Ductwork - Area 3			X							
	Dedicated Cooling for IT Closet - Area 3			X							
	Heating & Ventilation (incl. Louvers) for Compressor Room - Area 3			X							
	Air Intake & Venting for Water Heater in Mechanical Room - Area 3			X							
	Supplement Heaters - Area 3			X							
	Exhaust Fans - Area 4 & 5			X							
	Controls & Balancing - All Areas			X							
	Plumbing										
	Sump Discharge System for Baler - Area 2				X						
	Water, Sanitary and Vent Piping for Emergency Showers and Eyewash Station Area 2				X						
	Water, Sanitary and Vent Piping for all Plumbing Fixtures - Area 3				X						
	Floor Drain for Compressor Room - Area 3				X						
	Water Heater - Area 3				X						
	Gas Distribution Piping & Connections - All Areas				X						
	Electrical										
	Interconnect Assessment								X		With utility company
	Electric Service Upgrade					X					
	Transformer - Area 3					X					
	Proposed Switchboard - Exterior to Area 3					X					
	Distribution Switchboards					X					
	Metering							X			
	Power Drops to Processing Equipment					X					Could be by County Electrician; TBD
	Power Drops to Fire Rover Systems					X					30 Amp dedicated single pahse circuit
	Interconnect Wiring for Processing Equipment	X									
	Interconnect Wiring for Mechanical Equipment					X					
	Interior Building Lighting - Areas 1, 2, 4, 5 & 6					X					
	Exterior Lighting					X					
	Lightning Arrestors/Grounding System - Balance					X					
	Electrical - Area 3					X					
	Exit Lights					X					
	Emergency Lights					X					
	Office Electrical (Receptacles, etc)					X					
	IT/Communications & CCTV					X					
	Electrical Connections for Diesel/Oil Tank					X					
	Fire Rover IT Requirements					X					Static IP address and 4G backup router w. fail over



DIVISION OF RESPONSIBILITY

Rockland Green MRF Equipment & Facility Improvements

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ID	ITEMS OF WORK	Contract No. 1 Processing Equipment	Contract No. 2 General Construction	Contract No. 3 Mechanical/HVAC	Contract No. 4 Plumbing	Contract No. 5 Electrical	Contract No. 6 Fire Protection Systems	Contract No. 7 Fire Rover	Rockland Green	Operator	Remarks
	Fire Protection										
	Relocation of Existing Fire Riser Pipes					X					
	Fire Alarm System - All Areas					X					Subject to code review
	Installation of Dry Pipe System under Processing Equipment - Area 1 & 2					X					
	Replacement of Existing Piping Sprinkler Heads under Roof as Required - Area 1 & 2					X					
	Modifications to Existing Wet Pipe System - Area 3					X					
	Dry Pipe System - Area 4, 5, & 6					X					
	Backflow Prevention					X					
	Fire Extinguishers					X					Subject to code review
	Fire Riser Room Equipment & Accessories - Area 5					X					
	Fire Rover										
	Supply and Installation of FireRover Systems							X			
	Anchorage of FireRover Systems							X			
	Electrical Connections of FireRover Systems							X			
	Miscellaneous General Construction										
	Safety Program & Procedures (Construction Period)	X	X	X	X	X	X	X			
	Project Sign								X		Existing signage on-site
	Building Sign										
	Job Site Trailers	X	X	X	X	X	X	X			
	Mirrors									X	
	Spare Parts Storage Shelving									X	
	Lubricants (Oils/Gases)									X	
	Diesel Tank								X	X	Relocation TBD by Operator
	Oil Tank								X	X	To be discussed if removing or relocating
	General										
	System Operations & Maintenance Manuals	X								X	
	Facility Environmental Compliance									X	
	Facility Operations Manuals & Procedures								X		
	Temporary Services Use (Utility, Bathrooms, etc.)								X		
	Temporary Fencing During Construction		X								
	Site Cleanup During Construction	X	X	X	X	X	X	X			
	Supply Roll-off Boxes for Construction Waste								X		
	Hauling & Disposal of Construction Waste								X		
	Safety Program (Operations)									X	

ATTACHMENT 5

APPENDIX O, STATEMENT OF WORK

(Added language is reflected as bold, underscored text)

APPENDIX O
STATEMENT OF WORK

Area Designations

Area 1	Existing Tipping Area
Area 2	Existing Processing Area
Area 3	Existing Administration Area
Area 4	New Commingled Tipping Area
Area 5	New Storage & Glass Processing Area
Area 6	New Truck Dock Area

Contract No. 2: Facility Improvements – General Construction (Not In Contract)

Scope of Work will include, but is not limited to:

- Civil/Site work associated with the entire site, including but not limited to:
 - Clear, strip and soil erosion control
 - Rough grade
 - Site demolition
 - Excavation
 - Grading and drainage
 - Northwest concrete curb revisions to allow for additional paved turning area
 - Water line relocation
 - Fire water service connection to Area 5
 - Paving and fencing
 - Retaining wall
 - Landscaping/Hardscaping
 - Stormwater improvements
 - Traffic signage and stripping
- Architectural work associated with all areas, including but not limited to:
 - Interior demolition and buildout in Area 3, including office structure/layout modifications, mill work, doors & hardware, finishes and modifications of one (1) window
 - Pre-Engineered Metal Building (Areas 4-6)
 - Loading dock equipment with accessories in Area 6
 - Overhead doors and personnel doors
 - Roof interface work
 - Roof and insulation repair for Areas 1 and 2
 - Roof replacement for Area 3
 - Cleaning associated with Area 1 and 2
 - Fire service room in Area 5
 - Building grounding for Areas 4-6
- Structural work associated with all areas, including but not limited to:

Rockland Green

Request for Proposals for Contract No. 4-Facility Improvements, Plumbing at the Materials Recovery Facility in Hillburn, NY
RFP 2021-14

- Interior demolition and buildout in Areas 1 and 2, including demolition and modifications of concrete pushwalls, environmental wall, guardrails, building wall panel and/or steel framing
- Fill existing pits
- Excavate and construct pits associated with the processing equipment
- Loading dock pits
- Overhead and personnel doors framing for all areas
- Foundations
- Concrete Bunkers
- Concrete pads for Fire Rover system and proposed switchboard
- Pushwall and environmental wall
- Column and building reinforcing and brace relocations in Area 1 and 2
- MEP/F roof reinforcements
- Miscellaneous work associated with all areas, including but not limited to:
 - Floor damage repair
 - Bollards
 - Area 3 structural modifications required for the installation of an air compressor system.

Contract No. 3: Facility Improvements – Mechanical/HVAC

Scope of Work will include, but is not limited to:

- Mechanical/HVAC work associated with all areas, including but not limited to:
 - Exhaust fans in all areas.
 - Gas fired and infrared heating for Area 2 and 5
 - Gas fired rooftop unit and associated ductwork to equipment sort rooms in Area 2
 - Gas fired rooftop unit and vav system for Area 3.
 - Dedicated cooling for Area 3 IT closet
 - Heating, and ventilation associated with the air compressor system
 - Louvers associated with the air compressor system
 - Controls associated with all mechanical equipment
 - Combustion air intake and venting for gas fired water heater.

Contract No. 4: Facility Improvements – Plumbing (Not In Contract)

Scope of Work will include, but is not limited to:

- Plumbing work associated with all Areas, including but not limited to:
 - Sump drain for baler in Area 2
 - Floor drain for the compressor room in Area 3
 - Water, sanitary, and vent piping to Area 2 emergency shower and eye wash.
 - Water, sanitary, and vent piping to all Area 3 plumbing fixtures
 - Water heater for Area 3
- Gas distribution piping and connections after the gas meter in all areas

Contract No. 5: Facility Improvements – Electrical (Not In Contract)

Scope of Work will include, but not limited to:

- Electrical service upgrade, transformer and distribution equipment

Rockland Green

Request for Proposals for Contract No. 4-Facility Improvements, Plumbing at the Materials Recovery Facility in Hillburn, NY

RFP 2021-14

- Electrical work associated with all Areas, including but not limited to:
 - Grounding
 - All overhead power drops in Areas 1, 2 and 5 to processing equipment
 - Area 3 electrical
 - Power and wiring associated with all OH doors, mechanical equipment, dock equipment, exit lights, emergency lights, fire protection equipment
 - IT/Communications wiring
 - Processing Equipment IT requirements
 - Fire Rover electrical and IT requirements
 - Security Camera system IT requirements
 - Sleeves for operator phone and internet.

Contract No. 6: Facility Improvements – Fire Protection Systems (Not In Contract)

Scope of Work will include, but is not limited to:

- Fire alarm system for all areas.
- Fire alarm control panel located in Area 3
- Fire sprinkler work associated with all areas, including fire sprinklers under equipment platforms
- Backflow prevention application for Area 5 fire water service

Work by Others / N.I.C (Not In Contract)

- Processing equipment supply and installation
- Furnitures, office and vending equipment in Area 3
- Gas service line, meter and connections before the gas meter
- Removal of existing oil tank on-site
- Removal of existing fabric shed and propane tank on-site
- **Removal of existing diesel tank on-site**

ATTACHMENT 6

PRICE PROPOSAL FORM 16

(Added language is reflected as bold, underscored text)

CONTRACTOR'S NAME: _____

PROPOSAL FORM 16
PRICE PROPOSAL FORM
REVISION 1 DATED AUGUST 30, 2021

Proposer Name: _____
 Address: _____

 Contract Person: _____
 Email: _____
 Phone: _____
 Fax: _____
 Cell: _____

THE CONTRACTOR SHALL STATE BELOW ITS PROPOSAL PRICE FOR THE CONTRACT SERVICES. ADDITIONALLY, THE CONTRACTOR SHALL STATE THE PROPOSED VALUE, WHICH IS INCLUDED IN THE PROPOSED PRICE, BUT CAN BE ATTRIBUTED TO EACH OF THE FOLLOWING WORK ITEMS. THE WORK ITEM BREAKOUT SHALL BE USED FOR INFORMATIONAL REVIEW OF THE PROPOSALS IN ORDER TO VERIFY COMPLETENESS AND AS THE BASIS FOR SCHEDULE OF VALUES PAYMENT.

BASE PRICING	
WORK ITEM	\$ VALUE
1. Civil/Sitework	
1.1. Clear, Strip and Soil Erosion Control	N.I.C.
1.2. Exterior Demolition	N.I.C.
1.3. Rough Grade, Excavation and Regrade	N.I.C.
1.4. Water Line Modifications and Stormwater Improvements	N.I.C.
1.5. Loading Dock Ramp, Retaining Walls and Trench Drain	N.I.C.
1.6. Fencing	N.I.C.
1.7. Paving	N.I.C.
1.8. Landscaping/Hardscaping	N.I.C.
1.9. East Side Retaining Wall (along the east fence line)	N.I.C.

Rockland Green**Request for Proposals for Contract No. 4-Facility Improvements, Plumbing at the Materials Recovery Facility in Hillburn, NY****RFP 2021-14****CONTRACTOR'S NAME:**

1.10. Signage, Striping	N.I.C.
1.11. Others/Misc.	N.I.C.
2. Concrete Work	
2.1. Foundations Areas 4-6 & Loading Dock	N.I.C.
2.2. Slab-on-Grade Areas 4-6	N.I.C.
2.3. Pit P1 Construction	N.I.C.
2.4. Pit P2 Construction	N.I.C.
2.5. Pit P3 Construction	N.I.C.
2.6. Pit P4 Construction	N.I.C.
2.7. Dock Pits Area 6	N.I.C.
2.8. Concrete Bunkers/Pushwall including Footings	N.I.C.
2.9. Four (4) Existing Pits Fill / Partial Fill & Integration with New Pits	N.I.C.
2.10. Exterior Concrete Pads for Fire Rover Containers and Switchboard	N.I.C.
2.11. Trench Drains, Piping & Holding Tank Area 4	N.I.C.
2.12. Sump & Piping Area 2	N.I.C.
2.13. Others/Misc.	N.I.C.
3. Demolition and Buildout Areas 1 and 2	
3.1. Demolition of Concrete Pushwalls and Environmental Wall	N.I.C.
3.2. Demolition of Guardrails, Building Wall Panel and/or Steel Framing and Canopies	N.I.C.
3.3. Overhead Doors and Personnel Doors Framing	N.I.C.
3.4. Column and Building Reinforcing and Brace Relocations	N.I.C.
4. Demolition, Buildout & Reconstruct Area 3	
4.1. Demolition of Interior Walls, Ceilings, Finishes & Fixtures	N.I.C.
4.2. Structural Modifications & Wall Openings	N.I.C.
4.3. Carpentry & Drywall	N.I.C.
4.4. Ceilings	N.I.C.

Rockland Green**Request for Proposals for Contract No. 4-Facility Improvements, Plumbing at the Materials Recovery Facility in Hillburn, NY****RFP 2021-14****CONTRACTOR'S NAME:**

4.5. Millwork	N.I.C.
4.6. Interior Doors & Windows	N.I.C.
4.7. Finishes (complete)	N.I.C.
4.8. Restroom Accessories	N.I.C.
4.9. Misc/Other (including entrance canopy)	N.I.C.
5. PEMB and Associated Work Areas 4 – 6	
5.1. PEMB Addition	
(Proposer to choose its proposed method approach and insert the pricing for the method chosen. Proposer to indicate “N/A” for the method not chosen.)	
Method 1: PEMB Addition Framed into the Existing Column Line 1	
a. Engineering, Design, Fabrication and Delivery of PEMB	N.I.C.
b. Erection of PEMB	N.I.C.
Method 2: Stand-alone PEMB addition Self-Supported	
a. Engineering, Design, Fabrication and Delivery of PEMB	N.I.C.
b. Erection of PEMB	N.I.C.
5.2. Building Structure Grounding	N.I.C.
5.3. Fire Service Room in Area 5 (complete)	N.I.C.
5.4. Gutters & Leaders	N.I.C.
6. Roof Work	
6.1. Metal Roof Recoat/Repair and Repair/Replacement of Damaged Roof Insulation Areas 1 and 2	N.I.C.
6.2. Roof and Insulation Full Replacement Area 3	N.I.C.
6.3. Roof Reinforcement for MEP/F as needed	N.I.C.
6.4. Roof Interface Work between Area 2 &3 and between Areas 1 &2 and the new PEMB addition for Areas 4-6	N.I.C.
7. Loading Dock Equipment (complete)	N.I.C.
8. Overhead Doors	

Rockland Green**Request for Proposals for Contract No. 4-Facility Improvements, Plumbing at the Materials Recovery Facility in Hillburn, NY****RFP 2021-14****CONTRACTOR'S NAME:**

8.1. Structural Framing (as required)	N.I.C.
8.2. Overhead Doors (complete)	N.I.C.
9. Personnel Doors and Hardware (complete) including Breakroom North Door & All other Doors to the Exterior	N.I.C.
10. Miscellaneous Construction	
10.1. Environmental Wall – Insulated Metal Panel between Areas 1 &2 and between Areas 5 &6	N.I.C.
10.2. Bollards	N.I.C.
10.3. Floor Damage Repairs (Area 2)	N.I.C.
10.4. Electrical Disconnect (Make Safe) for Demo	N.I.C.
10.5. Cleaning / Blowdown of Areas 1 & 2 (Walls & Roof Underside)	N.I.C.
10.6. Allowance for providing waste disposal containers & hauling to Rockland Green's Transfer Station for waste generated from Contract Nos. 3-6	N.I.C.
11. General Conditions & Insurance – Contract 2	N.I.C.
12. Bonds – Contract 2	N.I.C.
13. Mechanical/HVAC	
13.1. Exhaust Fans All Areas	N.I.C.
13.2. Gas-fired and Infrared Heating Areas 2 and 5	N.I.C.
13.3. Gas-fired Rooftop Unit and Ductwork to Two (2) Equipment Sort Rooms Area 2	N.I.C.
13.4. Ductwork Area 3	N.I.C.
13.5. Gas-fired Rooftop Unit and VAV system Area 3	N.I.C.
13.6. Dedicated Cooling for IT Closet Area 3	N.I.C.
13.7. Heating and Ventilation (including Louvers) for Compressor Room Area 3	N.I.C.
13.8. Air Intake and Venting for Gas-fired Water Heater for Mechanical Room Area 3	N.I.C.
13.9. Controls for All Mechanical Equipment	N.I.C.
13.10. Balancing for All Mechanical Equipment	N.I.C.
14. General Conditions & Insurance – Contract 3	N.I.C.
15. Bonds – Contract 3	N.I.C.

Rockland Green**Request for Proposals for Contract No. 4-Facility Improvements, Plumbing at the Materials Recovery Facility in Hillburn, NY****RFP 2021-14****CONTRACTOR'S NAME:**

16. Plumbing	
16.1. Sump Discharge System for Baler Area 2	
16.2. Water, Sanitary and Vent Piping for Emergency Showers and Eyewash Stations Area 2	
16.3. Water, Sanitary and Vent Piping for all Plumbing Fixtures Area 3	
16.4. Floor Drain for Compressor Room Area 3	
16.5. Water Heater Area 3	
16.6. Gas Distribution Piping & Connections All Areas	
17. General Conditions & Insurance – Contract 4	
18. Bonds – Contract 4	
19. Electrical	
19.1. Service Upgrade	N.I.C.
19.2. Electrical System Grounding	N.I.C.
19.3. Power Drops for Contract No. 1 to Areas 2, 5 and Compressor Room	N.I.C.
19.4. Area 3 Electrical	N.I.C.
19.5. Areas 1,2,4,5 & 6 Interior Lighting	N.I.C.
19.6. Miscellaneous Power and Wiring for all OH Doors, Mechanical Equipment, Dock Equipment, Exit Lights, Emergency Lights, Task & Supplemental Lights & Fire Protection Equipment	N.I.C.
19.7. Exterior Lighting	N.I.C.
19.8. IT/Communications for Processing Equipment, Fire Rover Units, Security Camera System and Sleeves for Operator Phone and Internet	N.I.C.
20. General Conditions & Insurance – Contract 5	
21. Bonds – Contract 5	
22. Fire Protection Systems	
22.1. Fire Alarm Systems All Areas	N.I.C.
22.2. Fire Alarm Panel Area 3	N.I.C.
22.3. Fire Sprinkler Systems All Areas including Fire Sprinklers Under Processing Equipment Platforms	N.I.C.
22.4. Backflow Prevention Fire Water Service Area 5	N.I.C.
23. General Conditions & Insurance – Contract 6	
N.I.C.	

Rockland Green

Request for Proposals for Contract No. 4-Facility Improvements, Plumbing at the Materials Recovery Facility in Hillburn, NY

RFP 2021-14

CONTRACTOR’S NAME:

24. Bonds – Contract 6	N.I.C.
TOTAL PROPOSED PRICE:	\$
WRITTEN IN WORDS:	

ALTERNATE PRICING	\$ VALUE
25. ALTERNATE 1: Area 1 and 2 Roof Work: Full removal and replacement for metal roof and roof insulation	N.I.C.
26. ALTERNATE 2: Environmental Wall between Areas 1&2 and between Areas 4&5 supplied and constructed as an insulated PEMB wall partition instead of IMP wall panels	N.I.C.
27. ALTERNATE 3: Extend the East Side Retaining Wall (along the east fence line) the additional length plus the additional paving. Insert here the net additional price to Item 1.9 for this additional Work.	N.I.C.
28. ALTERNATE 4: For Area 1, in lieu of removing only portions of the existing concrete floor for replacement, provide the net additional price to remove the entire floor area and replace with a new floor with the same specifications of new floor for Area 4.	N.I.C.
29. ALTERNATE 5: Complete removal and replacement of existing metal roof and insulation for Areas 1&2 with same specifications for Areas 4-6.	N.I.C.
30. ALTERNATE 6: Deduct scope for ductwork from Two (2) RTUs to the Two (2) Sort Rooms. Revise the two (2) RTUs for heating and ventilating only with ductwork to a diffuser directly below the roof.	
31. <u>ALTERNATE 7: For Women’s Toilet 104, Men’s Toilet 107, and Toilet Room 114, provide 2-part epoxy floor in lieu of porcelain tiles. Epoxy shall extend four (4) feet AFF on the walls.</u>	<u>N.I.C.</u>

Rockland Green

Request for Proposals for Contract No. 4-Facility Improvements, Plumbing at the Materials Recovery Facility in Hillburn, NY

RFP 2021-14

CONTRACTOR'S NAME:

VOLUNTARY ALTERNATE PRICING (Identify) Contractors are encouraged (but are not required) to offer any beneficial Voluntary Alternates for review and consideration by Rockland Green and its Engineer's. Provide detailed description for each, attach additional sheets as needed.	VALUE
32.	
33.	
34.	

NOTES:

1. Work Item Values **shall not** include disposal fees at the Rockland Green facilities for waste or for concrete recycling.
2. Any associated removal costs of lead, mold or asbestos are not to be included in the price.

UNIT PRICING & SUPPLEMENTAL REQUIRED INFORMATION

No unit pricing is required for this RFP.

Authorized Signature

Date

Name & Title