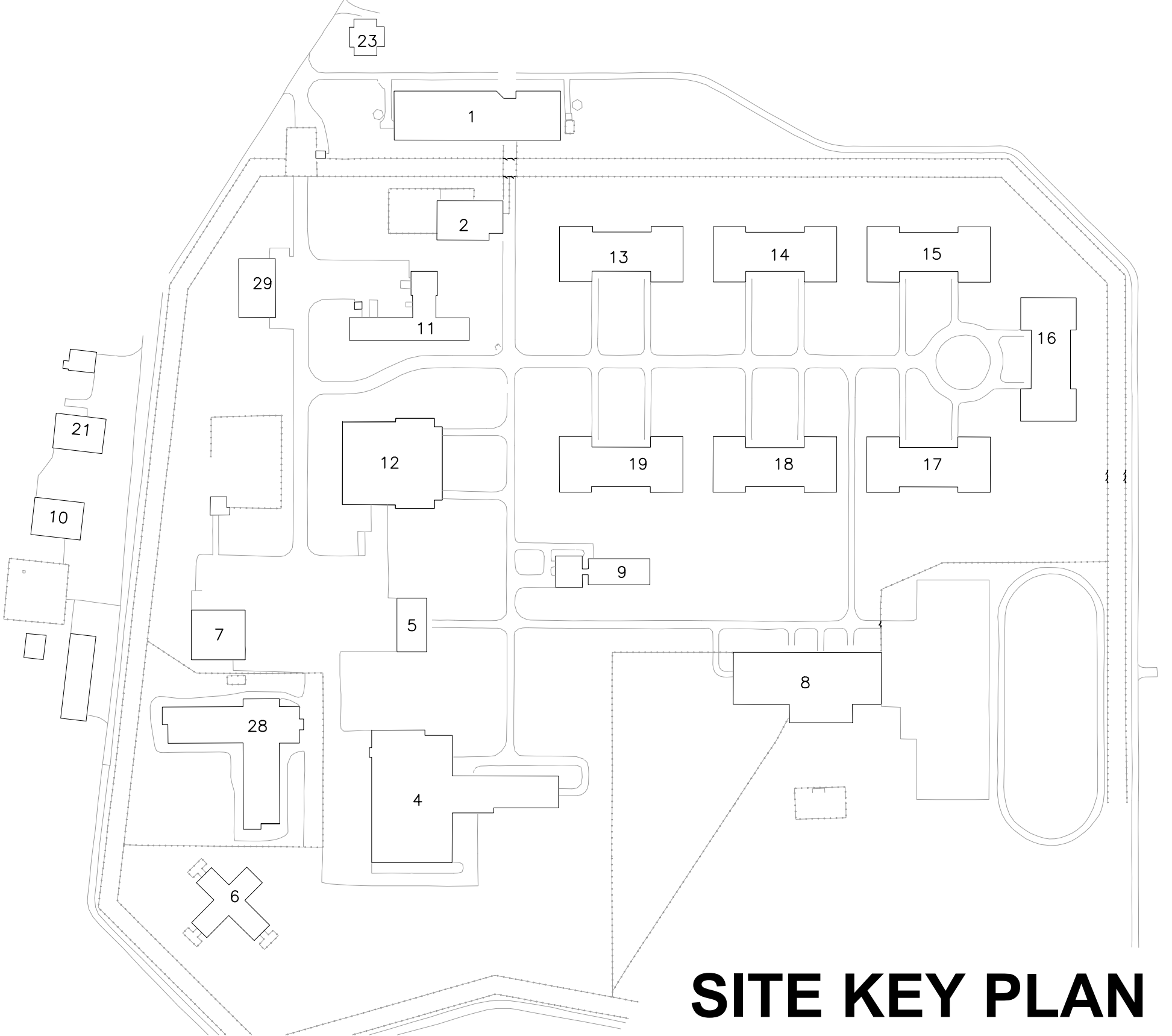


REHABILITATE EXTERIOR HEATING
SYSTEM STANCHION SUPPORTS
GOUVERNEUR CORRECTIONAL FACILITY
SCOTCH SETTLEMENT ROAD
GOUVERNEUR, NY
O.G.S. PROJECT NO. M3108 - H

MARCH 10, 2020



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SITE KEY PLAN



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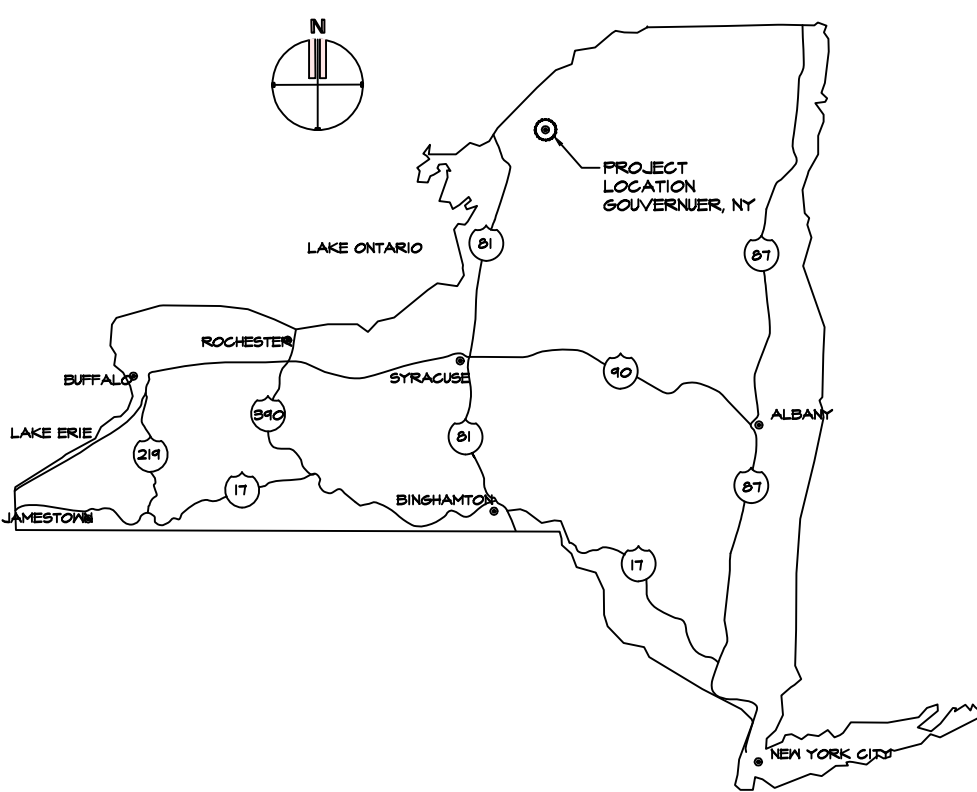


Department of
Corrections and
Community Supervision

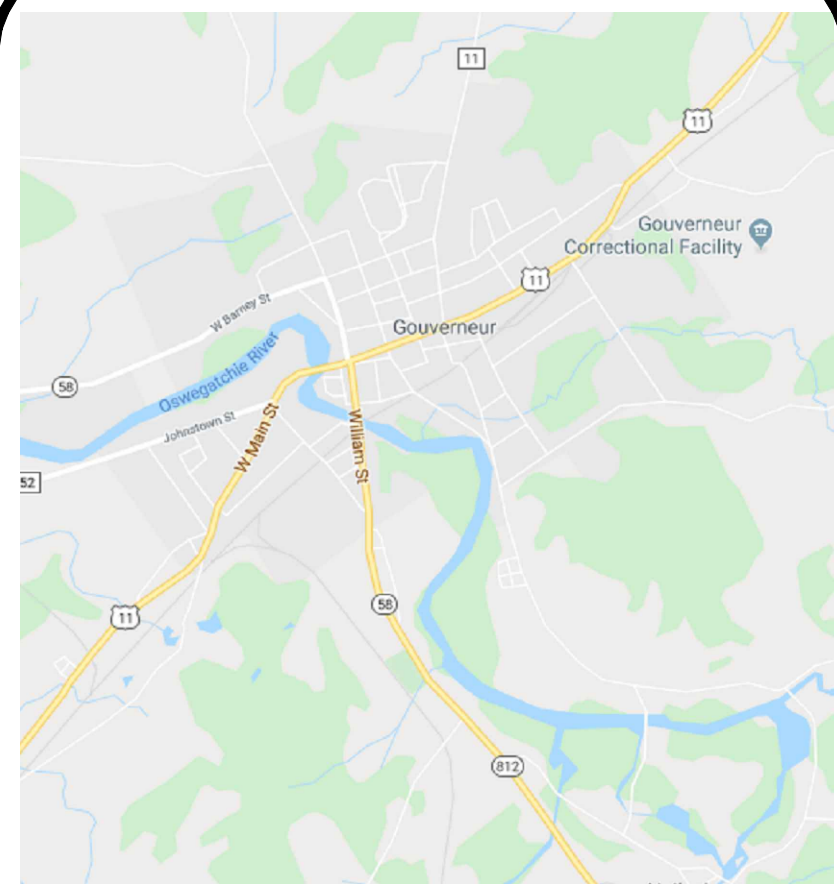


Office of
General Services

DESIGN & CONSTRUCTION



VICINITY MAP



LOCATION MAP

GENERAL NOTES

1. REFER TO SPECIFICATION SECTION 011000 "SUMMARY OF WORK" FOR CONSTRUCTION SEQUENCING AND RESTRICTED WORK PERIOD REQUIREMENTS.
2. DETERMINE THE EXACT LOCATION OF EXISTING UTILITIES BEFORE COMMENCING WORK. CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY THE FAILURE TO PROPERLY LOCATE AND PRESERVE UNDERGROUND UTILITIES.
3. UNDERGROUND UTILITIES ARE SHOWN TO THE BEST OF OUR KNOWLEDGE, EXACT LOCATIONS MAY DIFFER FROM THE LOCATIONS SHOWN AND ADDITIONAL UTILITIES MAY EXIST. VERIFY THE EXISTENCE AND EXACT LOCATION OF ALL UTILITIES WITHIN THE PATH OF CONTRACT PIPING PRIOR TO COMMENCING ANY EXCAVATION REFER TO SPECIFICATION SECTION 023313. LINES MAY INDICATE MORE THAN ONE UTILITY LINE OF THAT TYPE RUNNING PARALLEL TO ONE ANOTHER AND IS ONLY SHOWN AS A SINGLE LINE FOR CLARITY. INDICATE ON AS-BUILT DRAWINGS ALL UTILITIES AND UNDERGROUND ITEMS FOUND AND NOT INDICATED ON CONTRACT DRAWINGS.
4. REPAIR ANY DAMAGES TO THE UNDERGROUND SIGNAL LINES AT NO ADDITIONAL COST INCURRED TO THE STATE DUE TO SUCH DAMAGE (I.E. ADDITIONAL SECURITY COSTS ETC.).
5. HAND EXCAVATE GROUND WHERE EXISTING UNDERGROUND UTILITIES CROSS UNDERGROUND PIPING PROVIDED IN THIS CONTRACT. VACUUM EXCAVATION MAY BE USED AS AN ALTERNATIVE TO HAND EXCAVATION.
6. THESE DRAWINGS ARE A SCHEMATIC REPRESENTATION OF THE PIPING LAYOUT. SUBMIT THE EXACT PIPING LAYOUT AS LOCATED IN THE FIELD. A SURVEY IS TO BE PROVIDED BY A LICENSED LAND SURVEYOR ALONG ALL LOOP AND BRANCH LINES. A PROFILE SHALL BE SUBMITTED FOR APPROVAL SHOWING ALL PIPE ELEVATIONS, TOP ELEVATIONS OF CONCRETE FOUNDATIONS AND TOP ELEVATIONS OF ALL STEEL SUPPORTS.
7. BOTTOM OF PIPE (BOP) ELEVATIONS INDICATE MINIMUM CLEARANCE ABOVE GRADE FROM OUTSIDE OF PIPE INSULATION JACKET.
8. COORDINATE ALL CONNECTIONS TO EXISTING PIPING WITH DIRECTOR'S REPRESENTATIVE.
9. PROVIDE 3/4" INSULATED VALVE MANUAL VENT AT ALL HIGH POINTS IN THE ABOVEGROUND PIPING SYSTEM. SEE DETAIL 3/M-501.
10. PROVIDE 2" INSULATED VALVED DRAIN WITH HOSE CONNECTION AND CAP AT ALL LOW POINTS IN THE ABOVEGROUND PIPING SYSTEM. SEE DETAIL 4/M-501.
11. RESTORE TO THEIR ORIGINAL CONDITION ALL EXISTING PHYSICAL FEATURES DAMAGED BY THE UNAUTHORIZED ACT OR OMISSION OF THE CONTRACTOR. ORIGINAL CONDITION SHALL MEAN THE CONDITION IN WHICH THE FEATURE WAS FOUND AT THE START OF THE WORK.
12. THE CONTRACT LIMIT LINE (CLL) AND GRADING LIMIT LINE (GLL) SHALL BE CONSIDERED THE SAME, AND SHALL EXTEND 50' ON BOTH SIDES OF THE PIPING RUNS SHOWN, UNLESS OTHERWISE SHOWN OR DIRECTED. EXTEND THE CLL AND GLL AS REQUIRED AND DIRECTED TO PROVIDE FOR ALL WORK REQUIRED. PROTECT FROM DAMAGE ALL EXISTING PHYSICAL FEATURES NOT INDICATED OR REQUIRED TO BE REMOVED FOR THE WORK. PROTECT FROM DAMAGE ALL EXISTING PHYSICAL FEATURES ON THE SITE THAT LIE OUTSIDE THE GLL.
13. IN ADDITION TO SPECIFIED RESTORATIONS INDICATED ON DRAWINGS, RESTORE LAWN, SIDEWALK, ROAD, FENCE, PARKING LOTS ETC., WITHIN THE CONTRACT LIMIT LINE (CLL) AND ALL OTHER AREAS DISTURBED BY THE WORK OF THIS CONTRACT TO MATCH EXISTING CONDITIONS.
14. PROVIDE ALL REMOVALS INCIDENTAL TO AND NECESSARY TO PROVIDE THE WORK OF THIS CONTRACT. REMOVE EXISTING FEATURES IN THEIR ENTIRETY UNLESS OTHERWISE INDICATED.
15. MAINTAIN FACILITY ROADS IN A DRIVABLE AND PASSABLE (15 FT. MIN.) CONDITION AT ALL TIMES.
16. NO EXCAVATIONS MAY BE LEFT OPEN OVERNIGHT. PROVIDE TEMPORARY FENCING PER SECTION 015000 AROUND ALL EXCAVATIONS. 1/2" THICK STEEL ROAD PLATES MAY BE USED UPON APPROVAL BY THE DIRECTORS REPRESENTATIVE.
17. INCLUDE THE FOLLOWING WORK IN THE BID FOR FIELD LOCATION IN THE EVENT THAT A REPLACEMENT STANCHION MUST SUPPORT PIPE WHERE NO SADDLE IS PRESENT. PROVIDE A QUANTITY OF TEN (10) REMOVALS OF A 2' LONG SECTION OF PIPING INSULATION AND JACKETING AND INSTALLING A PIPE SADDLE WITH INSULATION BLOCKING AND A REPLACEMENT PATCH OF EPDM JACKETING.

ABBREVIATIONS & SYMBOLS LEGEND

	PIPE UP		REMOVALS	ACCU	AIR COOLED CONDENSATE UNIT	HSS	HOLLOW STRUCTURAL SECTION	TF	TOP OF FRAME
	PIPE DN		POINT OF CONNECTION	AFO	ABOVE GROUND FIBER OPTIC, RUN ALONG SIDE PHW PIPING	HP	HORSE POWER	THWS	TEMPERED HOT WATER SUPPLY
	VALVE IN VERTICAL		POINT OF REMOVAL	AFF	ABOVE FINISHED FLOOR	HW	HEATING AND VENTILATION UNIT	TV	MIXING VALVE
	PIPE CAP		MANHOLE	AHU	AIR HANDLING UNIT	HWR	HOT WATER	TYP. (TYP.),	TYPICAL
	CONTINUATION		CATCH BASIN	AS	AIR SEPARATOR	HWS	HOT WATER RETURN(BUILDING SECONDARY SIDE)	OR (TYP.)	OR (TYP.)
	MID PIPE DN		UNDERGROUND SIGNAL	ASCE	AMERICAN SOCIETY CIVIL ENGINEERING	HX	HOT WATER SUPPLY(BUILDING SECONDARY SIDE)	UFO	UNDERGROUND FIBER OPTIC CABLE IN CONDUIT
	VALVE MID PIPE DN		UNDERGROUND SANITARY SEWER	ASME	ADJUSTABLE SPEED MOTOR CONTROLLER	HZ	HEAT EXCHANGER	UH	UNIT HEATER
	ISOLATION VALVE		UNDERGROUND CHILLED WATER	BAS	BUILDING AUTOMATION SYSTEM	IEBC	INTERNATIONAL BUILDING CODE	UNEX.	UNEXCAVATED
	ANCHOR		UNDERGROUND STORM SEWER	BFP	BACKFLOW PREVENTOR	IECC	INTERNATIONAL EXISTING BUILDING CODE	U.N.O.	UNLESS NOTED OTHERWISE
	GUIDE		UNDERGROUND WATER	BC	BELOW GRADE	IMC	INTERNATIONAL ENERGY CONSERVATION CODE	V	VENT
	STANCHION		CONTRACT LIMIT LINE	BHP	BRAKE HORSE POWER	IN.	INTERNATIONAL MECHANICAL CODE	VAV	VARIABLE AIR VOLUME
	OVERHEAD PIPING SYMBOLS		ELECTRICAL POWER	BLDG	BUILDING	INV	INCHES	W/	VENT THROUGH ROOF WITH
	FENCE (CHAIN LINK)		VEGETATION LINE	BMS	BUILDING MANAGEMENT SYSTEM	KW	INVERT	WH	WATER HEATER
	FENCE (TYPE AS NOTED ON DRAWING)		DECIDUOUS TREE	BOP	BOTTOM OF PIPE	LBS.	KILOWATTS	WPD	WATER PRESSURE DROP
	GATES		EVERGREEN TREE	BTU	BRITISH THERMAL UNIT	LPG	POUNDS	WWF	WELDED WIRE FABRIC
	CATCH BASIN		FENCE LIGHT FIXTURE	CB	CATCH BASIN	LPR	LIQUEFIED PETROLEUM GAS		
	DROP INLET		ELEC/POWER MANHOLE	CL	CENTER LINE	LPS	LOW PRESSURE RETURN		
	HYDRANT		SIGNAL MANHOLE	QL	CONTRACT LIMIT LINE	LWT	LOW PRESSURE STEAM		
	POST INDICATOR VALVE		YARD LIGHT	CLL	CIRCULATING PUMP	MAU	LEAVING WATER TEMPERATURE		
	VALVE		UTILITY POLE	CP	CONCRETE	MAX.	MAKE-UP AIR UNIT		
	GUIDE RAIL		LIGHT POLE	CONC	CONCRETE	MBH	MAXIMUM		
	PAVEMENT (WALKS, CURBS, RET. WALLS)		FLAG POLE	CONT.	CONTINUATION	MECH.	THOUSAND BTU		
	SURVEY BASELINE POINT		SIGNS	CLR.	COLD WATER	MFR	MECHANICAL		
	BENCH MARK		BOLLARD	CRU	CONDENSATE RETURN UNIT	MIN.	MANUFACTURER		
	CONTOUR LINE		VIEW NUMBER	DCW	DOMESTIC COLD WATER	MH	MANHOLE		
	SPOT ELEVATION		SECTION VIEW	DDC	DIRECT DIGITAL CONTROLS	MPS	MEDIUM PRESSURE RETURN		
	TOP FRAME ELEVATION		SHEET NUMBER	DEC	DEGREES	MPS	MEDIUM PRESSURE STEAM		
	INVERT ELEVATION		PIPE ELEVATIONS MARKER AT CHANGE IN ELEVATION	DHW	DOMESTIC HOT WATER	MTL	METAL		
	SIGN		PIPE ELEVATION MARKER	DHWC	DOMESTIC HOT WATER CIRCULATION	NC	NORMALLY CLOSED		
	FLAG POLE			DIA.	DIAMETER	NO	NORMALLY OPEN		
	UTILITY POLE			DN	DOWN	NO.	NUMBER		
	LIGHT POLE			EC	ELECTRICAL CONTRACTOR	NTS	NOT TO SCALE		
				EP	EXISTING PUMP	OA	OUTSIDE AIR		
				EPDM	ETHYLENE-PROPYLENE DIENE-MONOMER	O.C.	ON CENTER		
				EF	EXHAUST FAN	O.D.	OUTSIDE DIMENSION		
				EL OR ELEV	ELEVATION	P	PRESSURE OR PUMP		
				ELEC	ELECTRICAL	PD	PUMPED CONDENSATE		
				EMT	ELECTRICAL METALLIC TUBING	PH	PHASE		
				ERHC	ELECTRIC REHEAT COIL	PHWP	PRIMARY HOT WATER PUMP		
				ET	EXPANSION TANK	PHWS	PRIMARY HOT WATER SUPPLY		
				EWT	ENTERING WATER TEMPERATURE	PHWR	PRIMARY HOT WATER RETURN		
				EX. OR EX	EXISTING	PL	PLATE		
				'F	DEGREES FAHRENHEIT	POS	PRIMARY OPERATOR'S STATION		
				FOU	FIBER OPTIC ETHERNET SWITCH	PP	PRESSURE POWERED PUMP		
				FD	FAN COIL UNIT	P.R.V.	PRESSURE REDUCING VALVE		
				FF	FLOOR DRAIN	PSC	PREFABRICATED STEEL CONDUIT		
				FLR	FINISHED FLOOR	PSI	POUNDS PER SQUARE INCH		
				FO	FIBER OPTIC CABLE IN CONDUIT	PSIG	POUNDS PER SQUARE INCH GAUGE		
				FOR	FUEL OIL RETURN	PT	PUMP TRAP		
				FOS	FUEL OIL SUPPLY	PVC	POLYVINYL CHLORIDE		
				FRP	FIBER REINFORCED PLASTIC	QTY	QUANTITY		
				FT.	FEET	RCP	RECIRCULATION PUMP		
				FTR	FIN TUBE RADIATION	REF. OR ref.	REFERENCE		
				GAL	GALLONS	RECIRC	RECIRCULATION		
				GALV. OR GA.	GALVANIZED	REP	REPRESENTATIVE		
				GLL	GRADING LIMIT LINE	RCS	RIGID GALVANIZED STEEL		
				GPM	GALLONS PER MINUTE	RM	ROOM		
				GUI	GRAPHIC USER INTERFACE	RPM	REVOLUTIONS PER MINUTE		
				GWB	GYPSSUM WALL BOARD	RPZ	REDUCED PRESSURE ZONE		
				HC	HEATING COIL	RZR.	RAZOR (COIL, SECURITY FENCE)		
				HDPE	HIGH-DENSITY POLYETHYLENE	SAN	SANITARY PIPING		
				HEX	HEAT EXCHANGER (CONVERTER)	SCH.	SCHEDULE		
				HR	HEAT RECOVERY UNIT	SHWR	SECONDARY HOT WATER RETURN		
				HRU	HEAT RECOVERY UNIT	SHWS	SECONDARY HOT WATER SUPPLY		
						S.S.	STAINLESS STEEL		
						ST. OR STL.	STEEL		
						SO. FT.	SQUARE FEET		
						ST	STANCHION		
						TEMP	TEMPERATURE		

CODE SUMMARY

CLASSIFICATION OF WORK (IEBC CHAPTER 5, SECTION 502) – ALTERATION LEVEL 1
OCCUPANCY CLASSIFICATION (IBC 2015, SECTION 302) – I-3
CONSTRUCTION CLASSIFICATION (IBC 2015, SECTION 602) – TYPE II (B), NO INTERIOR WORK IS INCLUDED IN THE SCOPE OF THIS PROJECT
SEISMIC REQUIREMENTS (BC1613 – ASCE 7-10)
SEISMIC RISK CATEGORY – III
SITE CLASS – E
SEISMIC DESIGN CATEGORY – D
MECHANICAL AND ELECTRICAL COMPONENTS IMPORTANCE FACTOR (IP)=1.0, COMPONENTS ARE POSITIVELY ATTACHED TO THE STRUCTURE.
HYDRONIC PIPING (IMC, CHAPTER 12)
HYDRONIC PIPING THROUGHOUT THE SITE, COMPLY WITH CHAPTER 12 OF THE IMC
PIPING INSULATION (IECC), C403.2.10
HYDRONIC PIPING INSULATION THROUGHOUT THE SITE, COMPLIES WITH C403.2.10
LEGEND:
EBC 2015 INTERNATIONAL EXISTING BUILDING CODE WITH NYS 2017 UNIFORM CODE SUPPLEMENT
IBC 2015 INTERNATIONAL BUILDING CODE WITH NYS 2017 UNIFORM CODE SUPPLEMENT
IMC 2015 INTERNATIONAL MECHANICAL CODE WITH NYS 2017 UNIFORM CODE SUPPLEMENT
IECC 2015 INTERNATIONAL ENERGY CONSERVATION CODE WITH NYS 2016 SUPPLEMENT TO THE NYS ENERGY CONSERVATION CONSTRUCTION CODE
ASCE 7-10 AMERICAN SOCIETY OF CIVIL ENGINEERS – 2010, MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES

BUILDING CODE NOTE

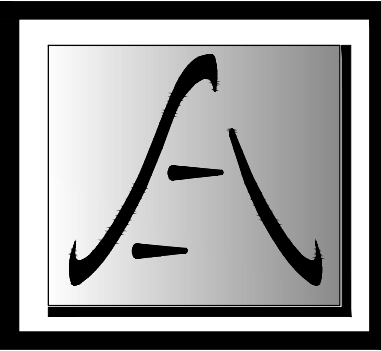
TO THE BEST OF THE ARCHITECT/ENGINEER'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2016 UNIFORM CODE AND THE 2017 SUPPLEMENT TO THE UNIFORM CODE

ENERGY CODE NOTE

TO THE BEST OF THE ARCHITECT/ENGINEER'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE ENERGY CODE AND THE 2016 SUPPLEMENT TO THE ENERGY CODE

DESIGN & CONSTRUCTION

CONSULTANT



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CONTRACT:

HVAC

TITLE: REHABILITATE EXTERIOR HEATING SYSTEM STANCHION SUPPORTS

LOCATION: GOUVERNEUR CORRECTIONAL FACILITY SCOTCH SETTLEMENT ROAD GOUVERNEUR, NY

CLIENT: DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION

	3/10/2020	BID DOCUMENT
MARK	DATE	DESCRIPTION

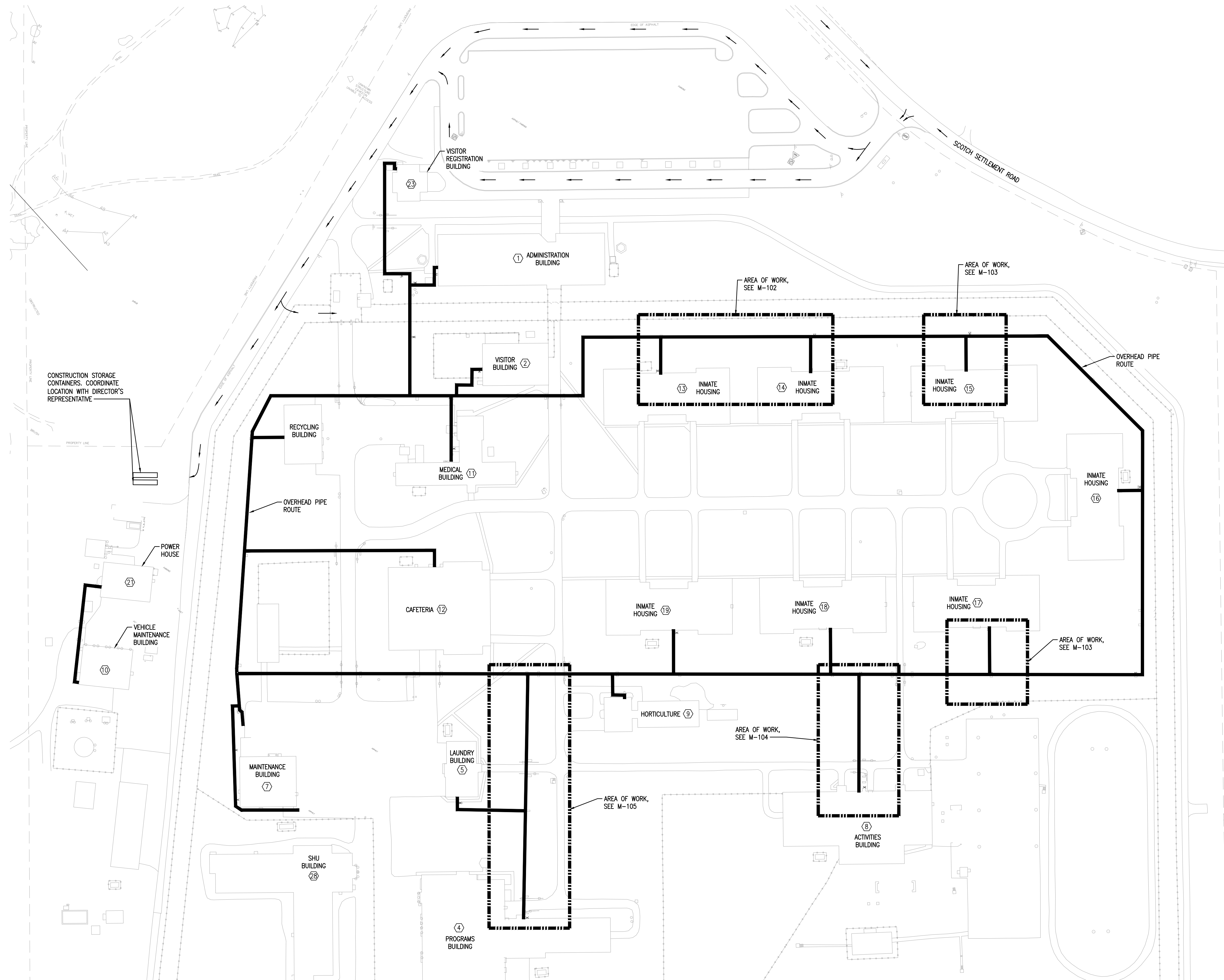
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DRAWN BY:	AGC
FIELD CHECK:	VPD
APPROVED:	DPL

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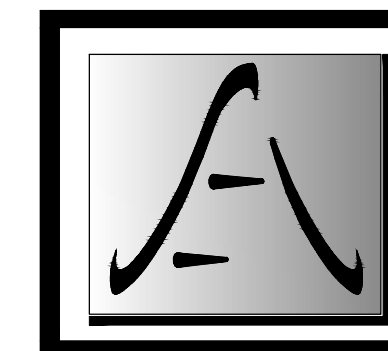
SYMBOLS, LEGEND, AND ABBREVIATIONS

DRAWING NUMBER:

M-001



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CONTRACT: HVAC

TITLE: REHABILITATE EXTERIOR
HEATING SYSTEM STANCHION
SUPPORTS

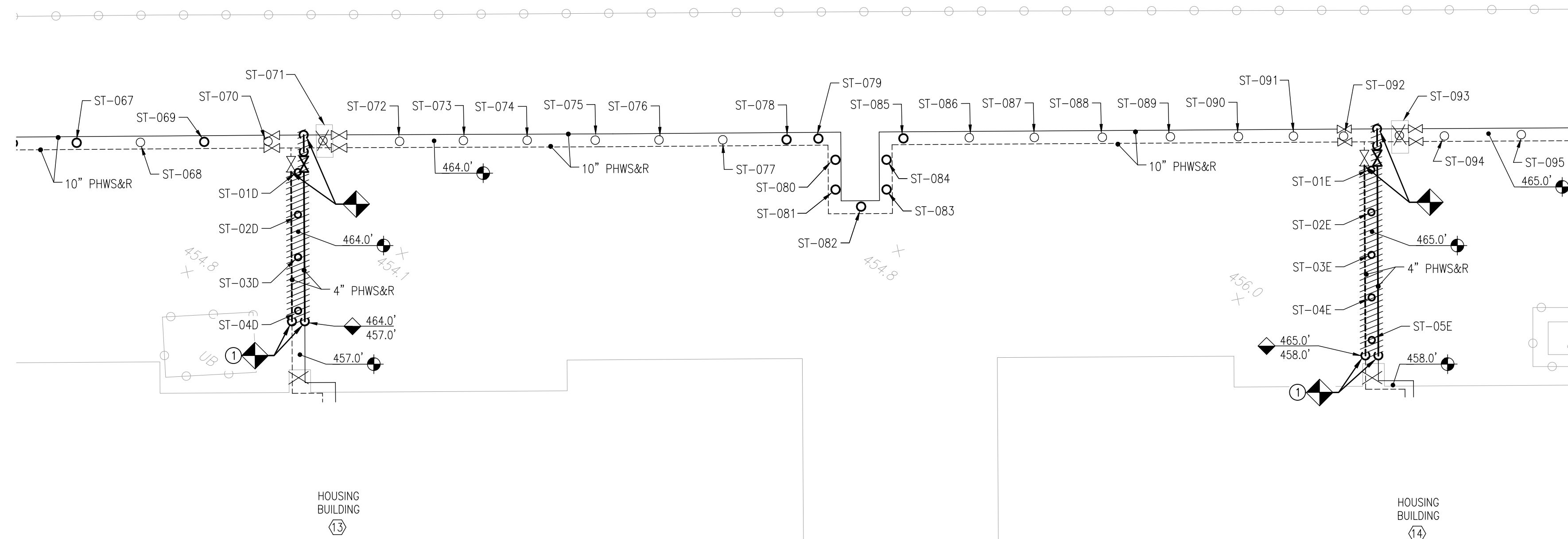
LOCATION:
GOUVERNEUR CORRECTIONAL FACILITY
SCOTCH SETTLEMENT ROAD
GOUVERNEUR, NY

CLIENT: DEPARTMENT OF CORRECTIONS
AND COMMUNITY SUPERVISION

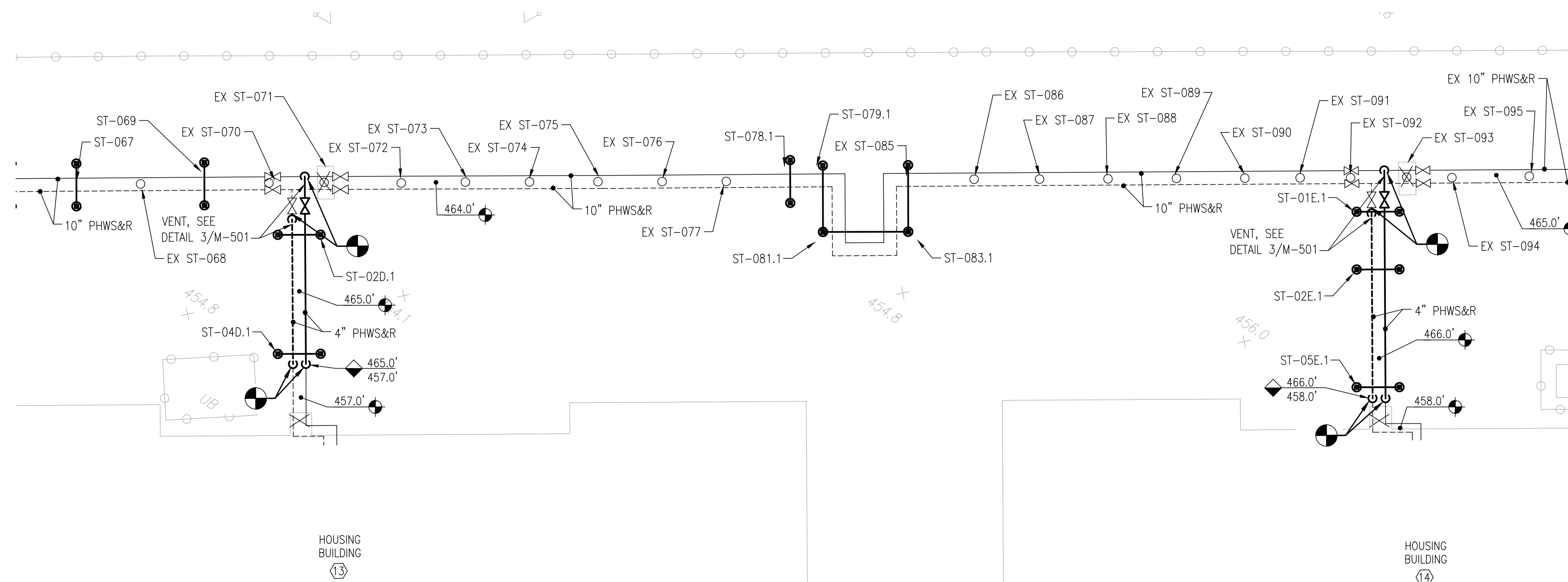
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FIELD CHECK:	VPD	
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AREA OF WORK PLAN

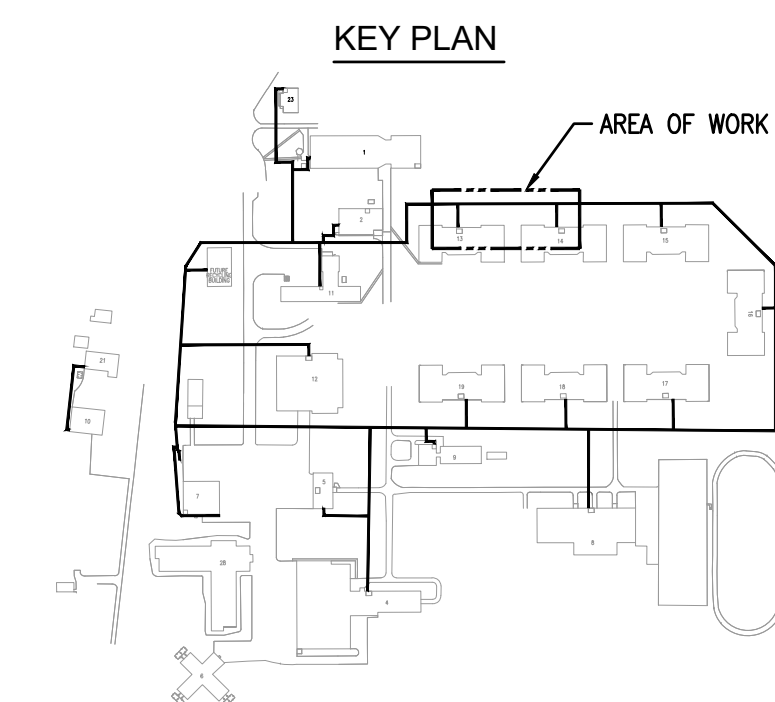
DRAWING NUMBER: M-101



1 BUILDINGS 13 AND 14 OVERHEAD PIPING REMOVAL PLANS
M-102 SCALE: 1"=20'



2 BUILDINGS 13 AND 14 OVERHEAD PIPING INSTALLATION PLANS
M-102 SCALE: 1"=20'

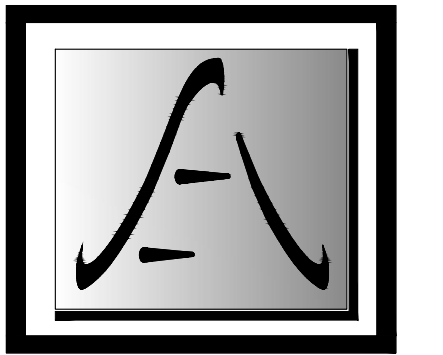


GENERAL NOTES:

- UNDERGROUND UTILITIES NOT SHOWN FOR CLARITY. REFER TO SITE RESTORATION DRAWINGS FOR STANCHION FOUNDATION AND EXISTING UNDERGROUND UTILITY LOCATIONS.
- NO BUILDING CAN BE WITHOUT PHWS&R SERVICE FOR MORE THAN 10 HOURS. DRAINING, FILLING, CLEANING, TESTING, AND TIE-INS MUST BE DONE WITHIN 10 HOUR SHUTDOWN.
- REFER TO STRUCTURAL DRAWINGS S-101 TO S-112 FOR PIPE SUPPORTS, GUIDES, AND ANCHORS.
- REFER TO STRUCTURAL DRAWINGS S-101 TO S-112 FOR STANCHION REMOVALS AND INSTALLATIONS.

KEYED NOTES:

- ① DISCONNECT PHWS&R PIPING IN RISER 2 FT ABOVE LOWER ELBOW.



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CONTRACT:

HVAC

TITLE:

REHABILITATE EXTERIOR
HEATING SYSTEM STANCHION
SUPPORTS

LOCATION:

GOVERNEUR CORRECTIONAL FACILITY
SCOTCH SETTLEMENT ROAD
GOVERNEUR, NY

CLIENT:

DEPARTMENT OF CORRECTIONS
AND COMMUNITY SUPERVISION

MARK	DATE	DESCRIPTION
	3/10/2020	BID DOCUMENT

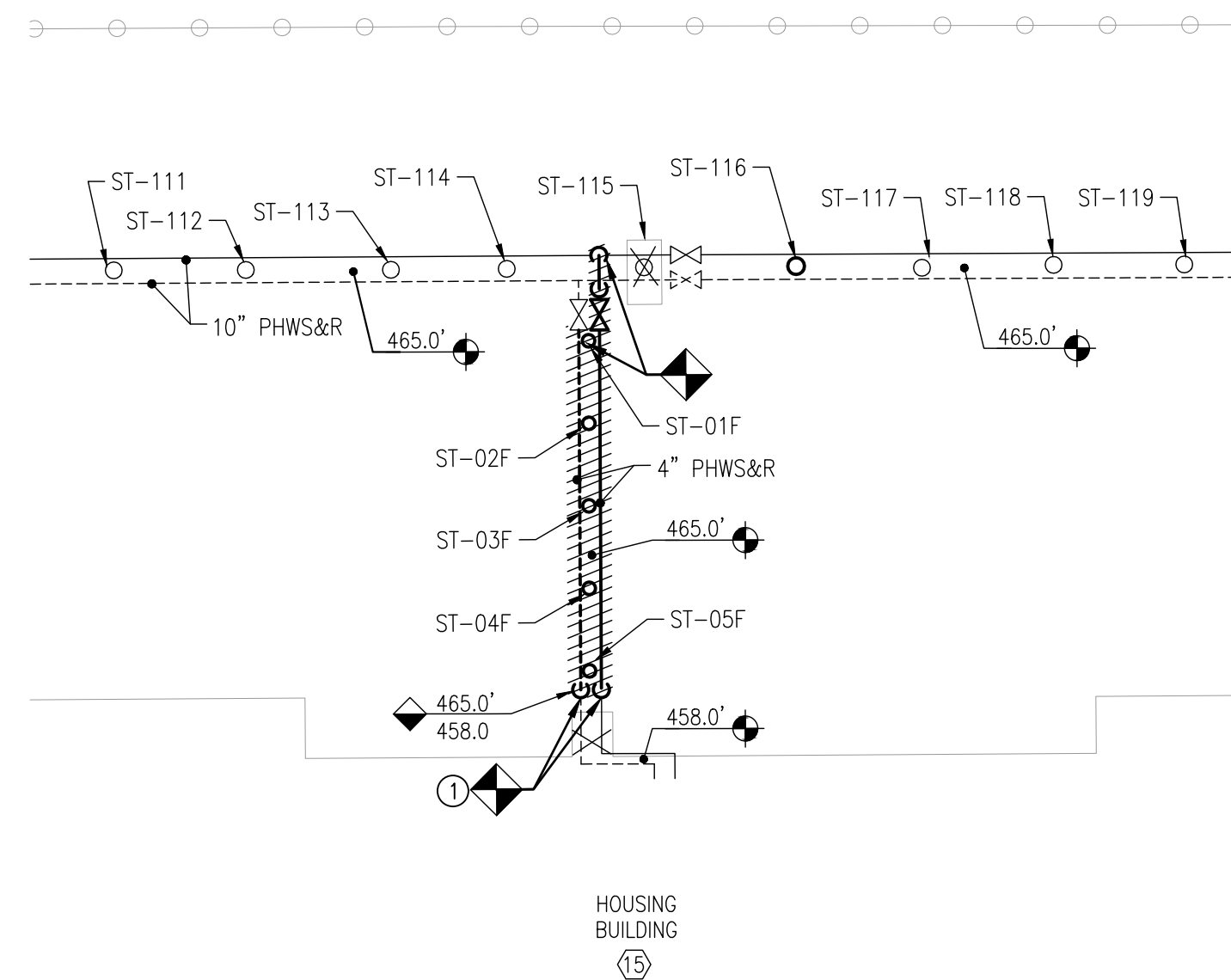
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FIELD CHECK:	VPD
APPROVED:	DPL

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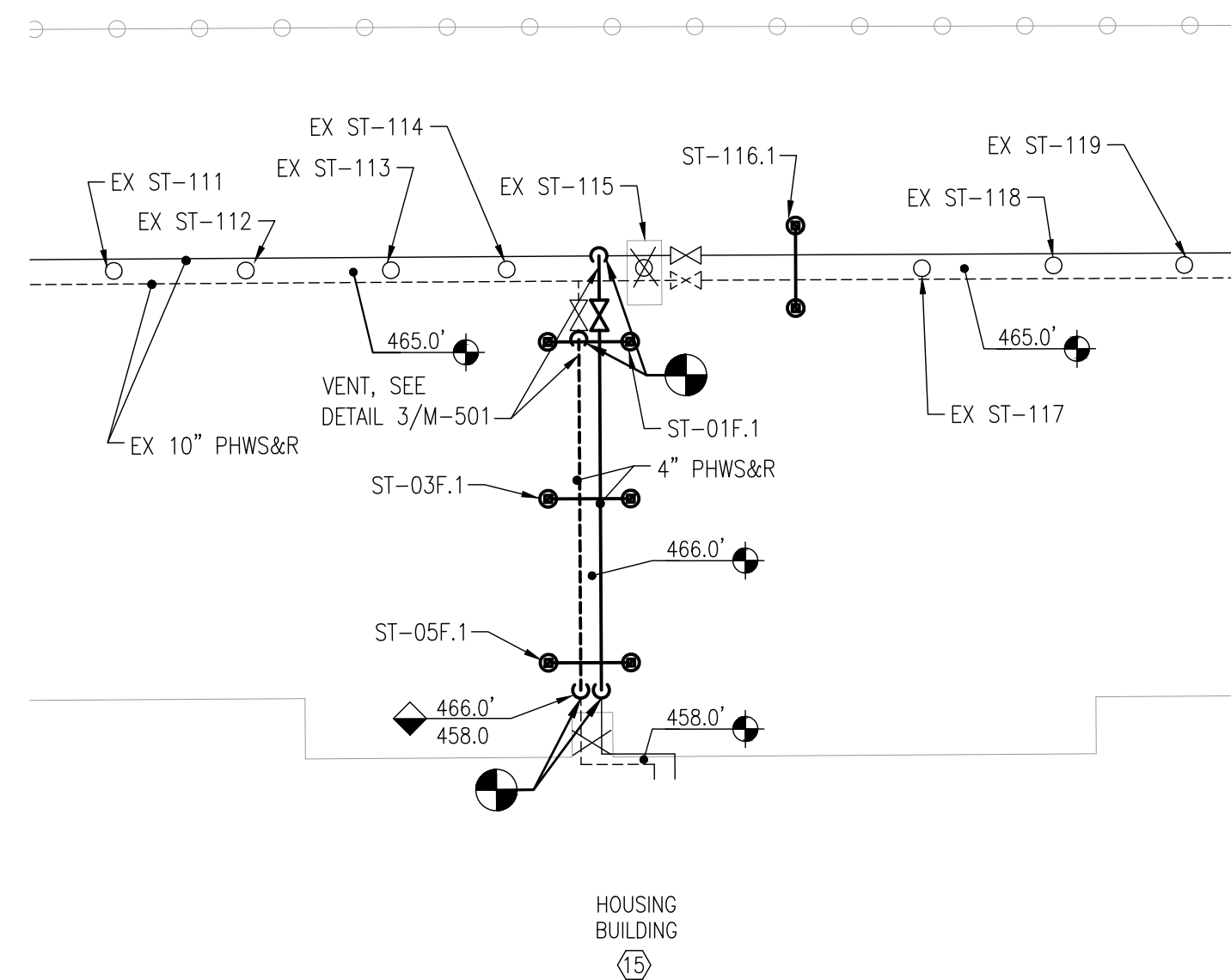
BUILDINGS 13 AND 14
OVERHEAD PIPING PLANS

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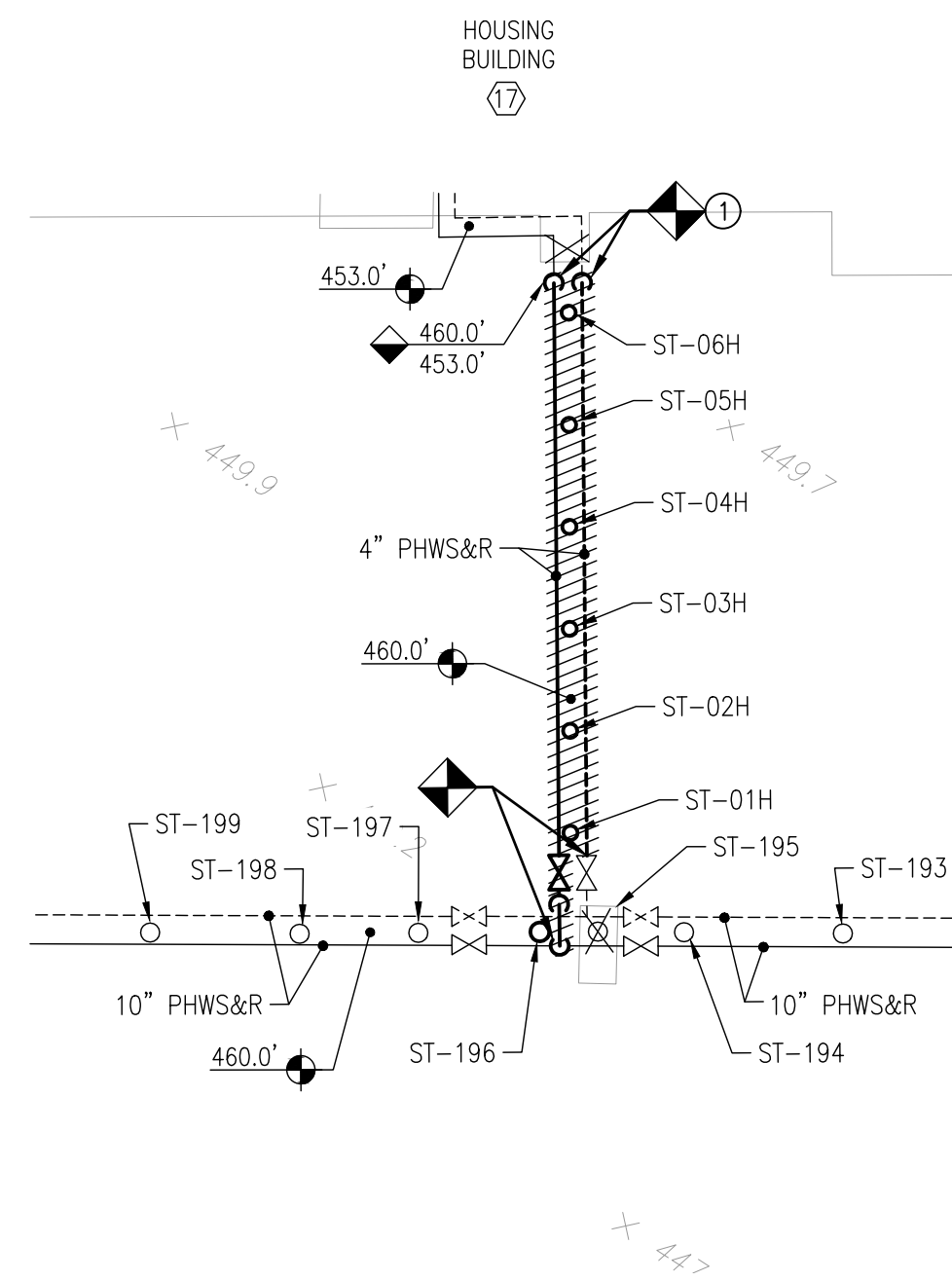
M-102



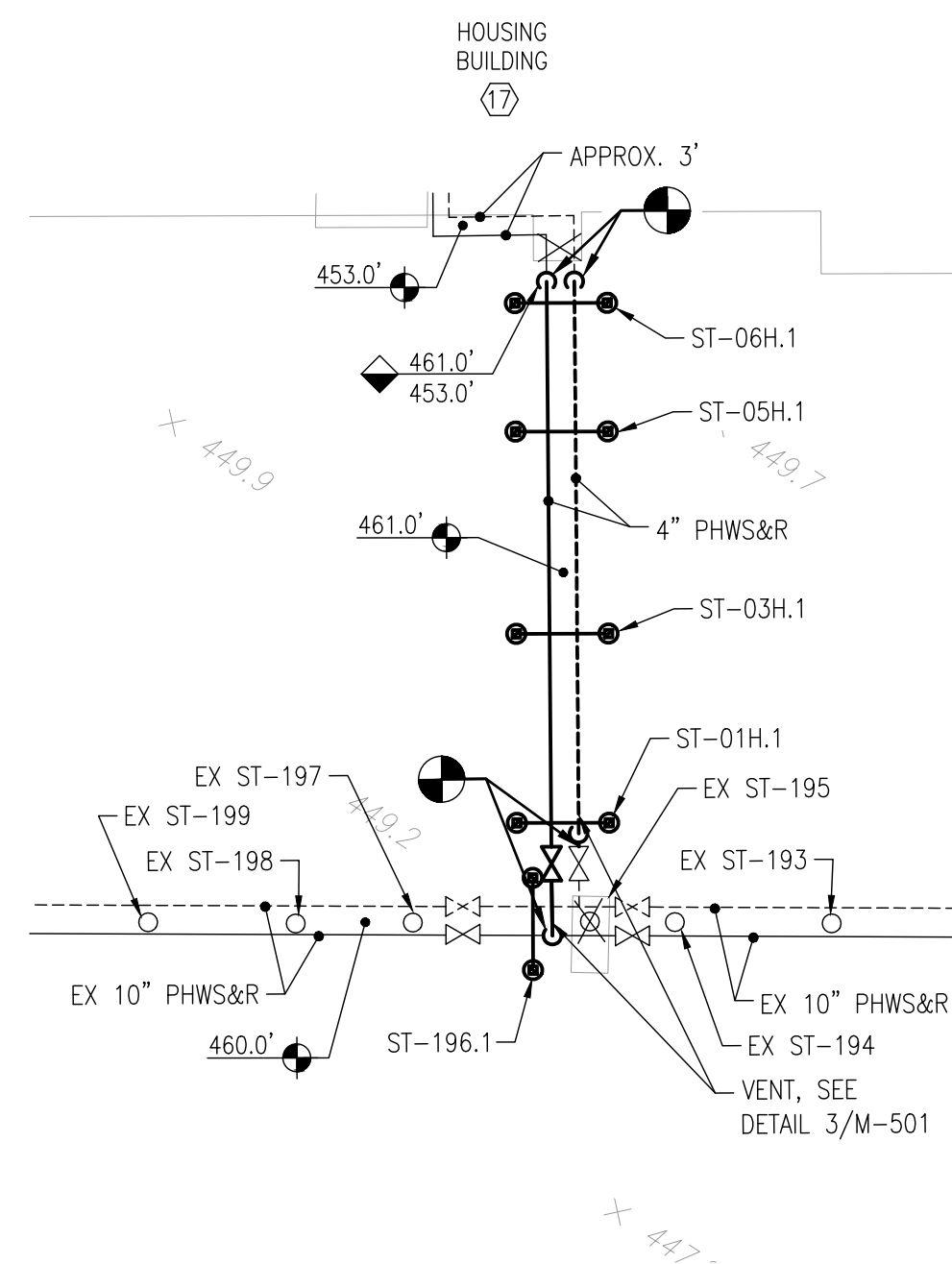
1 BUILDING 15 OVERHEAD PIPING REMOVAL PLAN
M-103 SCALE: 1"=20' PLAN NORTH



2 BUILDING 15 OVERHEAD PIPING INSTALLATION PLAN
M-103 SCALE: 1"=20' PLAN NORTH

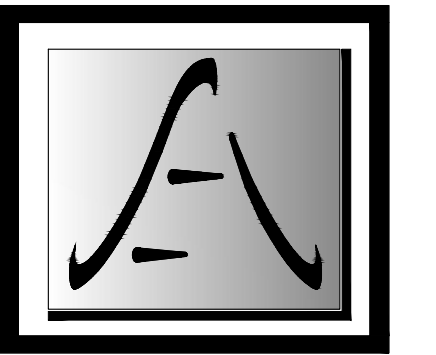
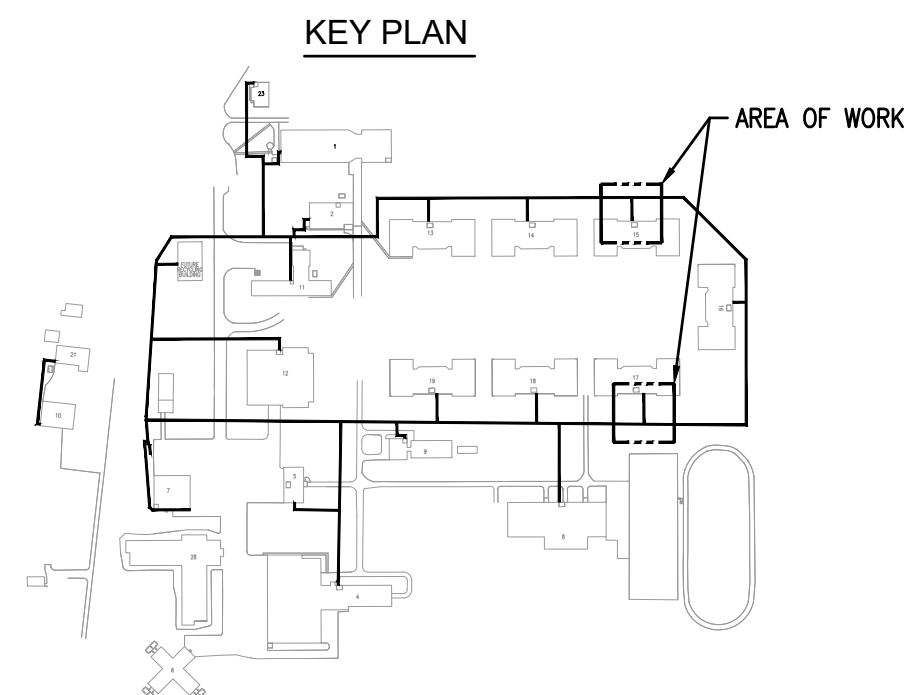


3 BUILDING 17 OVERHEAD PIPING REMOVAL PLAN
M-103 SCALE: 1"=20' PLAN NORTH



4 BUILDING 17 OVERHEAD PIPING INSTALLATION PLAN
M-103 SCALE: 1"=20' PLAN NORTH

- GENERAL NOTES:
- UNDERGROUND UTILITIES NOT SHOWN FOR CLARITY. REFER TO SITE RESTORATION DRAWINGS FOR STANCHION FOUNDATION AND EXISTING UNDERGROUND UTILITY LOCATIONS.
 - NO BUILDING CAN BE WITHOUT PHWS&R SERVICE FOR MORE THAN 10 HOURS. DRAINING, FILLING, CLEANING, TESTING, AND TIE-INS MUST BE DONE WITHIN 10 HOUR SHUTDOWN.
 - REFER TO STRUCTURAL DRAWINGS S-101 TO S-112 FOR PIPE SUPPORTS, GUIDES, AND ANCHORS.
 - REFER TO STRUCTURAL DRAWINGS S-101 TO S-112 FOR STANCHION REMOVALS AND INSTALLATIONS.
- KEYED NOTES:
- DISCONNECT PHWS&R PIPING IN RISER 2 FT ABOVE LOWER ELBOW.



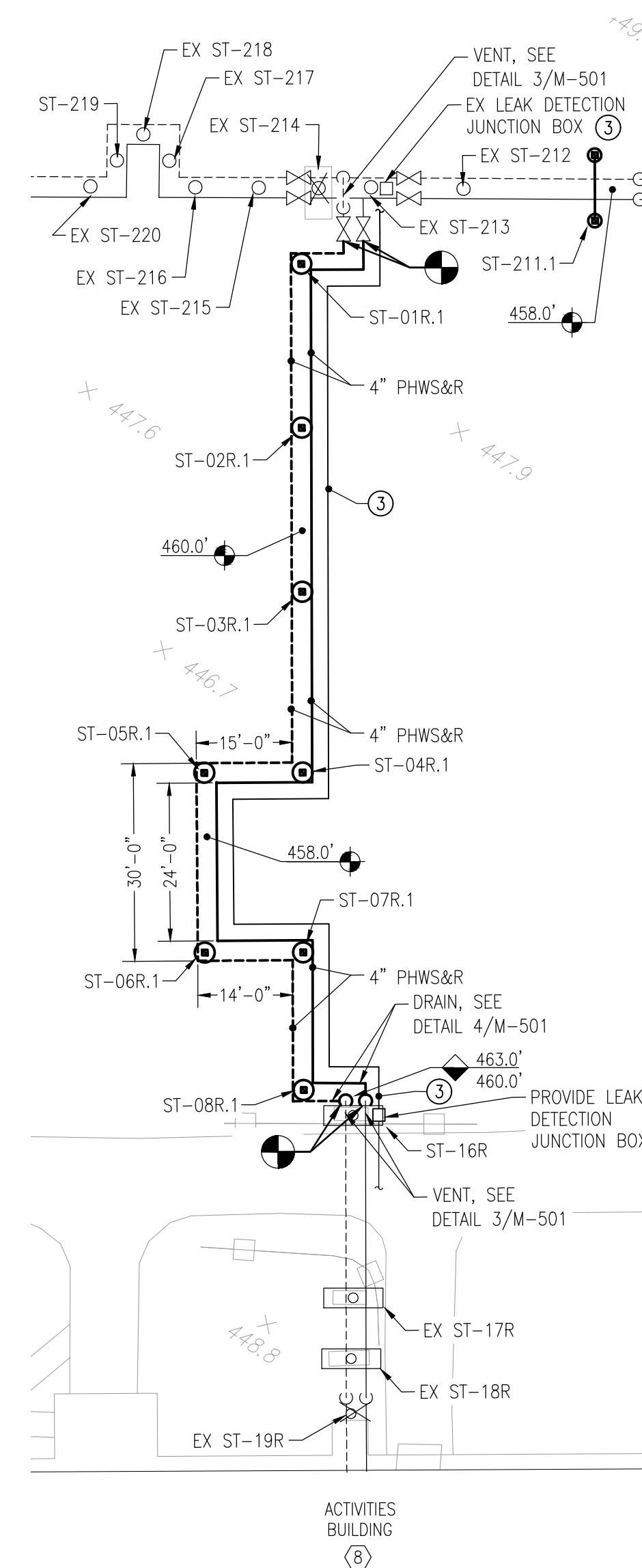
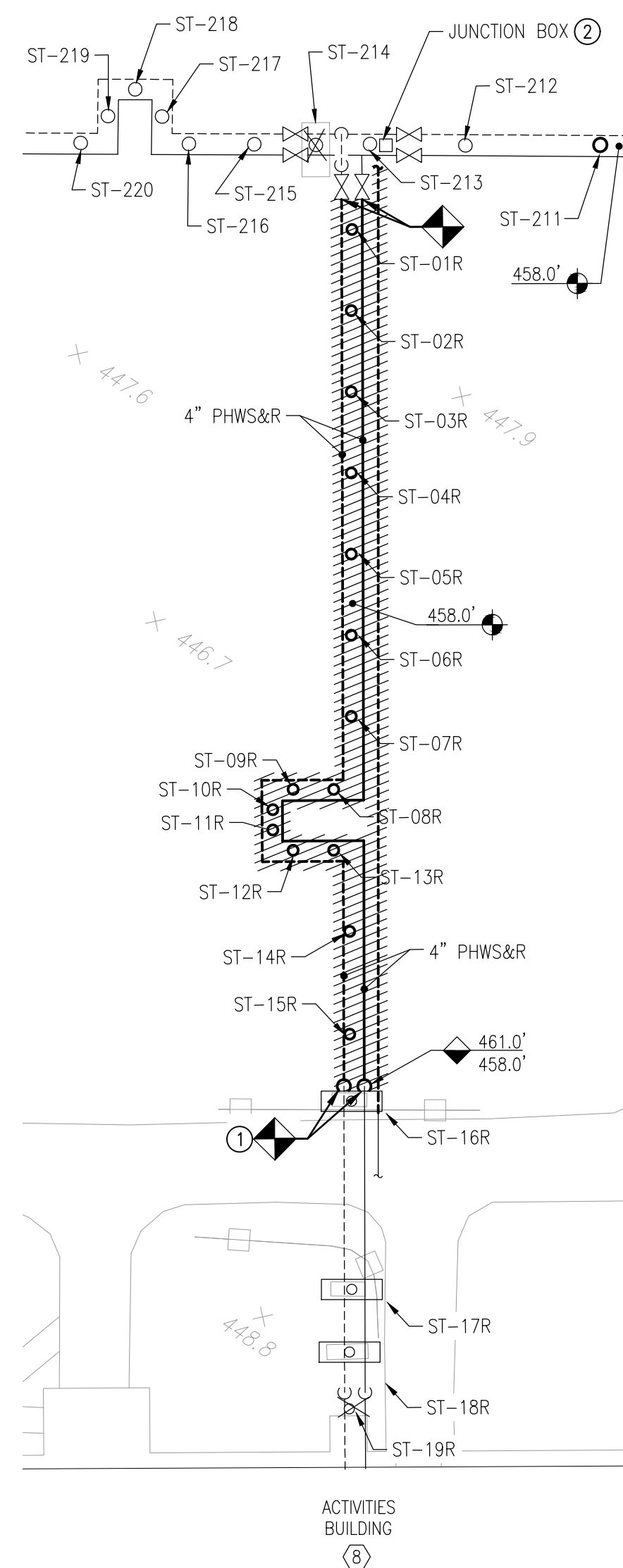
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CONTRACT: HVAC
TITLE: REHABILITATE EXTERIOR HEATING SYSTEM STANCHION SUPPORTS
LOCATION: GOUVERNEUR CORRECTIONAL FACILITY SCOTCH SETTLEMENT ROAD GOUVERNEUR, NY
CLIENT: DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION

	3/10/2020	BID DOCUMENT
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	M3108 — H	
DESIGNED BY:	AGC	
DRAWN BY:	AGC	
FIELD CHECK:	VPD	
APPROVED:	DPL	
SHEET TITLE:		
BUILDINGS 15 AND 17 OVERHEAD PIPING PLANS		
DRAWING NUMBER:		
M-103		
SHEET	5	OF 45

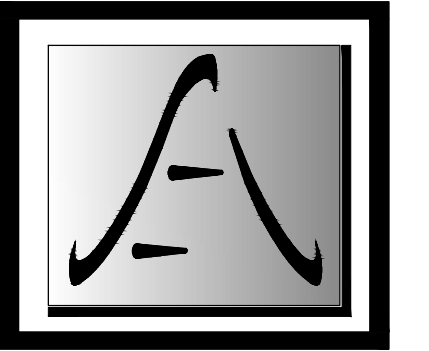
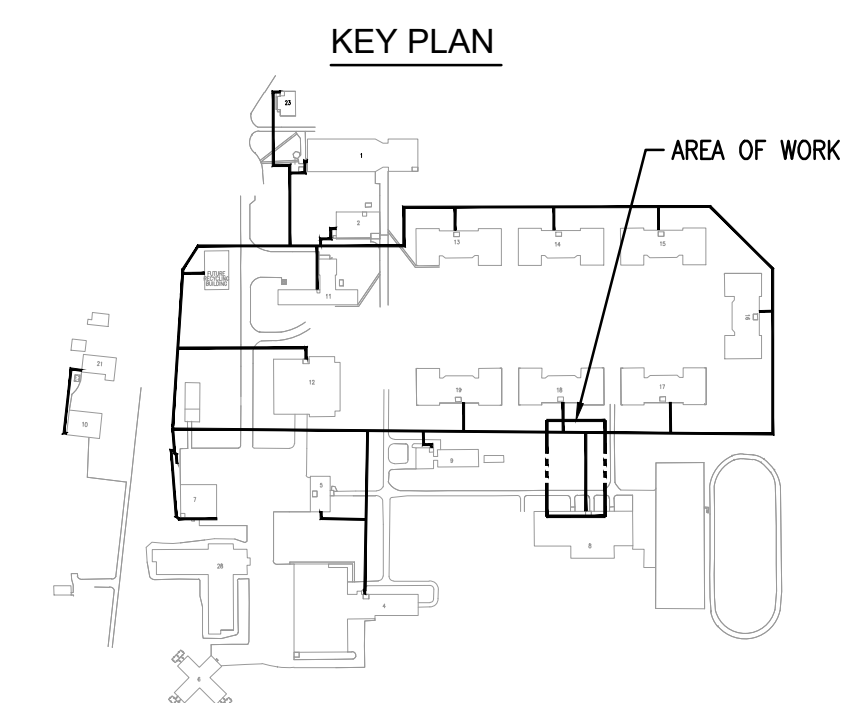


GENERAL NOTES:

1. UNDERGROUND UTILITIES NOT SHOWN FOR CLARITY. REFER TO SITE RESTORATION DRAWINGS FOR STANCHION FOUNDATION AND EXISTING UNDERGROUND UTILITY LOCATIONS.
2. NO BUILDING CAN BE WITHOUT PHMSR SERVICE FOR MORE THAN 10 HOURS. DRAINING, FILLING, CLEANING, TESTING, AND TIE-INS MUST BE DONE WITHIN 10 HOUR SHUTDOWN.
3. REFER TO STRUCTURAL DRAWINGS S-101 TO S-112 FOR PIPE SUPPORTS, GUIDES, AND ANCHORS.
4. REFER TO STRUCTURAL DRAWINGS S-101 TO S-112 FOR STANCHION REMOVALS AND INSTALLATIONS.

KEYED NOTES:

- ① DISCONNECT PHWS&R PIPING IN RISER 2 FT ABOVE LOWER ELBOW.
- ② DISCONNECT EXISTING CONDUIT FROM JUNCTION BOX.
- ③ PROVIDE 2 #12 & 1 #12 GND IN 3" RGS CONDUIT TO JUNCTION BOX. TIE INTO EXISTING LEAK DETECTION WIRING AT JUNCTION BOX.



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FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE
NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS
AND IS A CLASS "A" MISDEMEANOR.



CONTRACT:

HVAC

TITLE: REHABILITATE EXTERIOR
HEATING SYSTEM STANCHION
SUPPORTS

LOCATION:
GOUVERNEUR CORRECTIONAL FACILITY
SCOTCH SETTLEMENT ROAD
GOUVERNEUR, NY

CLIENT: DEPARTMENT OF CORRECTIONS
AND COMMUNITY SUPERVISION

	3/10/2020	BID DOCUMENT
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	M3108 — H	
DESIGNED BY:	AGC	
DRAWN BY:	AGC	
FIELD CHECK:	VPD	
APPROVED:	DPL	

SHEET TITLE:

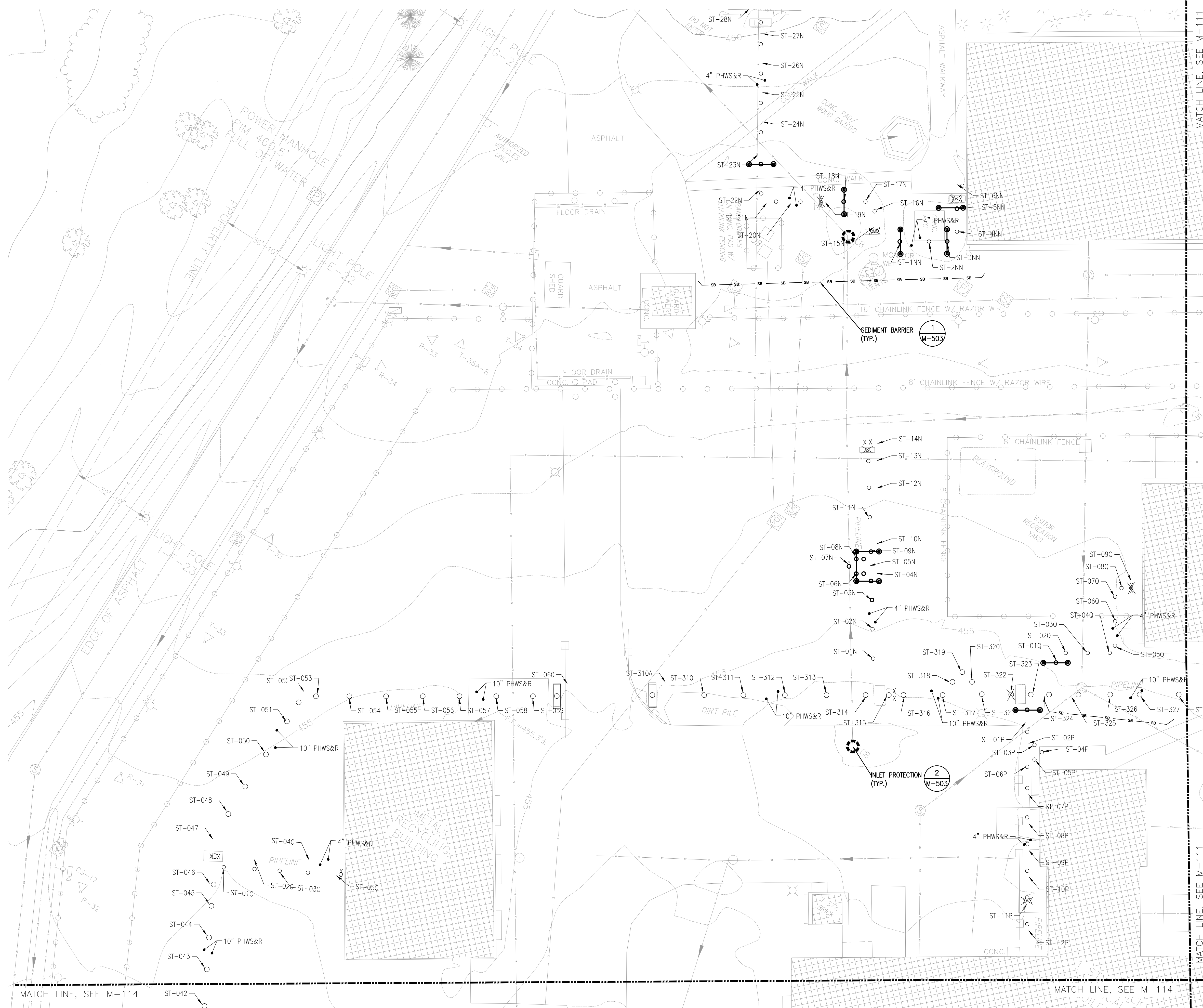
BUILDING 8 OVERHEAD
PIPING PLAN

DRAWING NUMBER: M-104



- SHEET 7 OF 45

36x24 PLOT SHEET

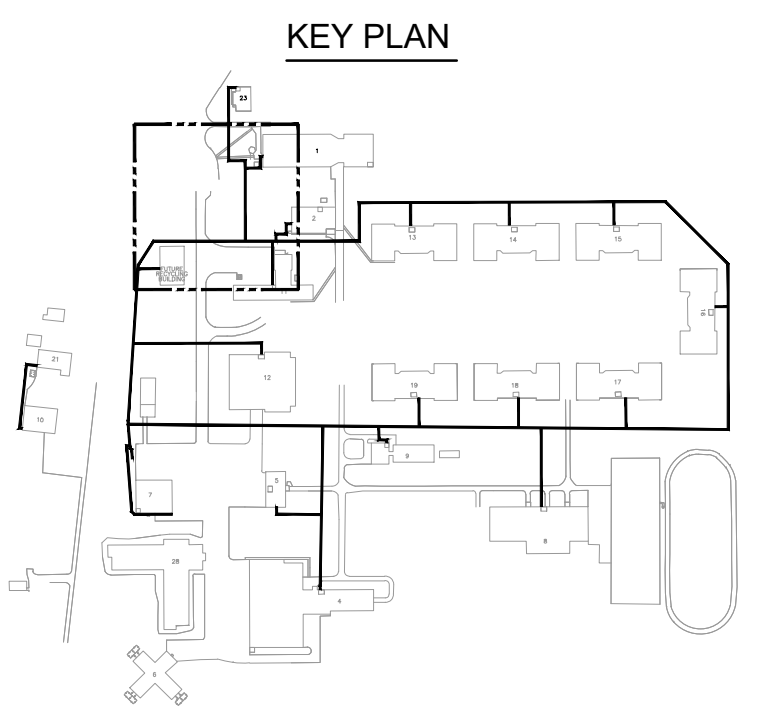


LEGEND:

- LIMIT OF TEMPORARY GRAVEL ACCESS TO BE RESTORED TO GRASS UPON CONSTRUCTION COMPLETION
- LIMIT OF EXISTING SURFACE REMOVAL AND PAVEMENT RESTORATION
- INLET PROTECTION
- SEDIMENT BARRIER

GENERAL NOTE:

1. RETURN ALL DISTURBED AREAS TO THEIR EXISTING COVER TYPES UPON CONSTRUCTION COMPLETION UNLESS OTHERWISE SPECIFIED.



1 ESC & SITE RESTORATION PLAN
M-110 SCALE: 1"=20'



Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT:

HVAC

TITLE:

REHABILITATE EXTERIOR HEATING SYSTEM STANCHION SUPPORTS

LOCATION:

GOVERNEUR CORRECTIONAL FACILITY
SCOTCH SETTLEMENT ROAD
GOVERNEUR, NY

CLIENT:

DEPARTMENT OF CORRECTIONS
AND COMMUNITY SUPERVISION

MARK	DATE	BID DOCUMENT	DESCRIPTION
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DESIGNED BY:			ASF
DRAWN BY:			ASF
FIELD CHECK:			VPD
APPROVED:			MCO

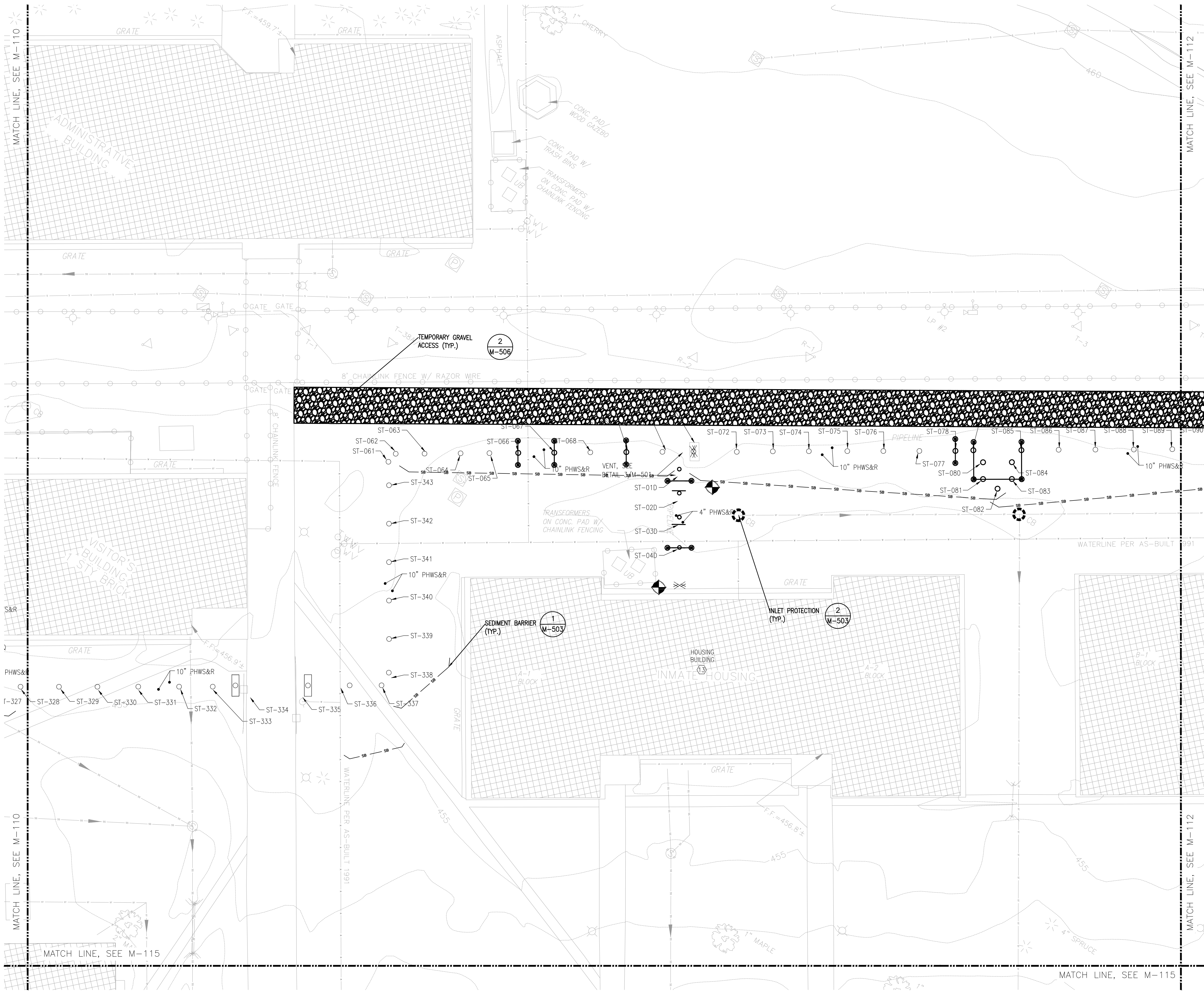
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EROSION AND SEDIMENT CONTROL & SITE RESTORATION PLAN

DRAWING NUMBER:

M-110

SHEET 8 OF 45



LEGEND:



LIMIT OF TEMPORARY GRAVEL ACCESS TO BE RESTORED TO GRASS UPON CONSTRUCTION COMPLETION



LIMIT OF EXISTING SURFACE REMOVAL AND PAVEMENT RESTORATION



INLET PROTECTION

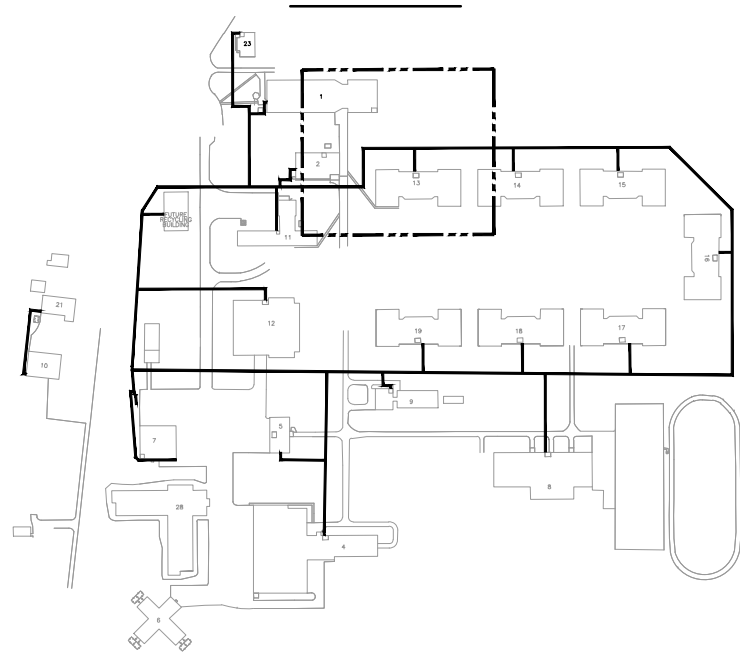


SEDIMENT BARRIER

GENERAL NOTE:

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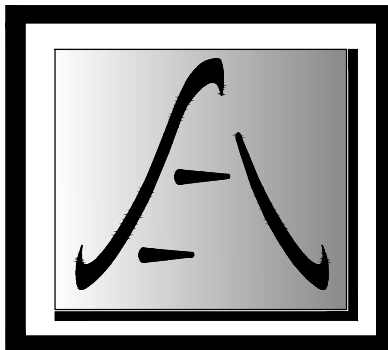
KEY PLAN



1
M-111

ESC & SITE RESTORATION PLAN

SCALE: 1"=20'



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CONTRACT:

HVAC

TITLE:

REHABILITATE EXTERIOR HEATING SYSTEM STANCHION SUPPORTS

LOCATION:

GOVERNEUR CORRECTIONAL FACILITY
SCOTCH SETTLEMENT ROAD
GOVERNEUR, NY

CLIENT:

DEPARTMENT OF CORRECTIONS
AND COMMUNITY SUPERVISION

MARK	DATE	DESCRIPTION
	3/10/2020	BID DOCUMENT

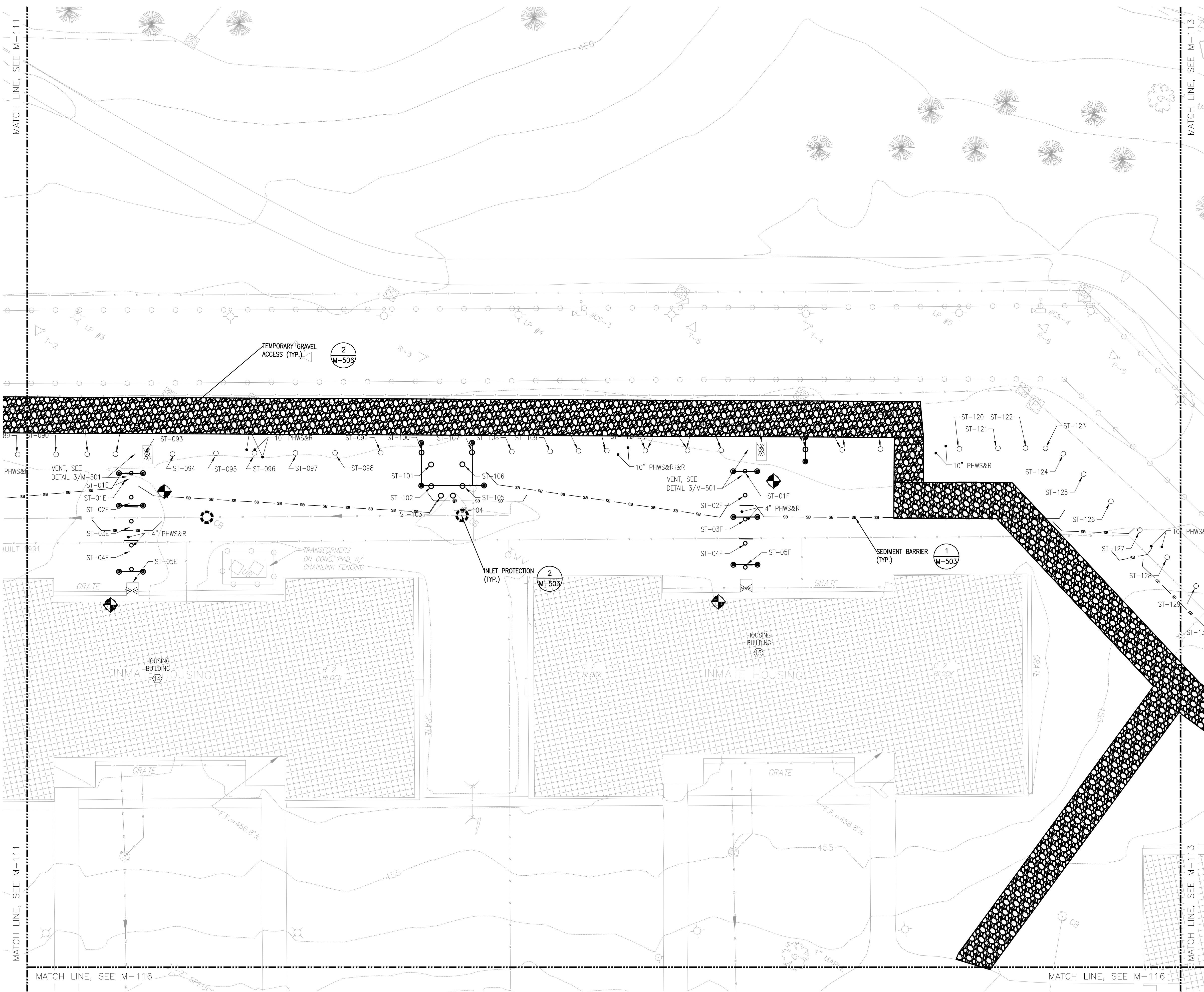
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DESIGNED BY:	ASF
DRAWN BY:	ASF
FIELD CHECK:	VPD
APPROVED:	MCO

SHEET TITLE:

EROSION AND SEDIMENT CONTROL & SITE RESTORATION PLAN

DRAWING NUMBER:

M-111



LEGEND:



LIMIT OF TEMPORARY GRAVEL ACCESS TO BE RESTORED TO GRASS UPON CONSTRUCTION COMPLETION



LIMIT OF EXISTING SURFACE REMOVAL AND PAVEMENT RESTORATION



INLET PROTECTION

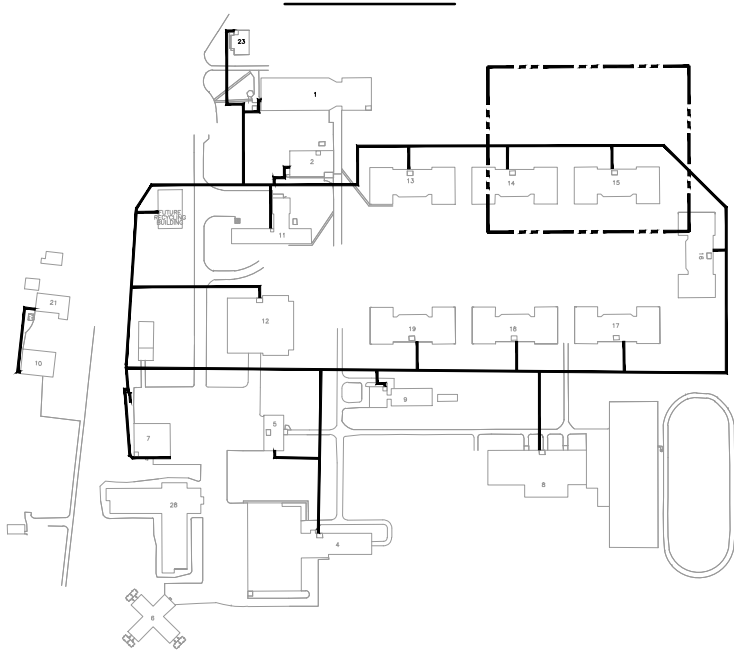


SEDIMENT BARRIER

GENERAL NOTE:

1. RETURN ALL DISTURBED AREAS TO THEIR EXISTING COVER TYPES UPON CONSTRUCTION COMPLETION UNLESS OTHERWISE SPECIFIED.

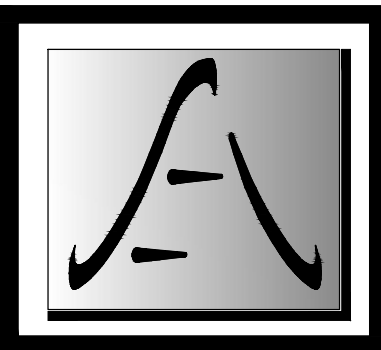
KEY PLAN



1 ESC & SITE RESTORATION PLAN
M-112 SCALE: 1"=20'



CONSULTANT



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CONTRACT:

HVAC

TITLE:

REHABILITATE EXTERIOR HEATING SYSTEM STANCHION SUPPORTS

LOCATION:

GOVERNEUR CORRECTIONAL FACILITY
SCOTCH SETTLEMENT ROAD
GOVERNEUR, NY

CLIENT:

DEPARTMENT OF CORRECTIONS
AND COMMUNITY SUPERVISION

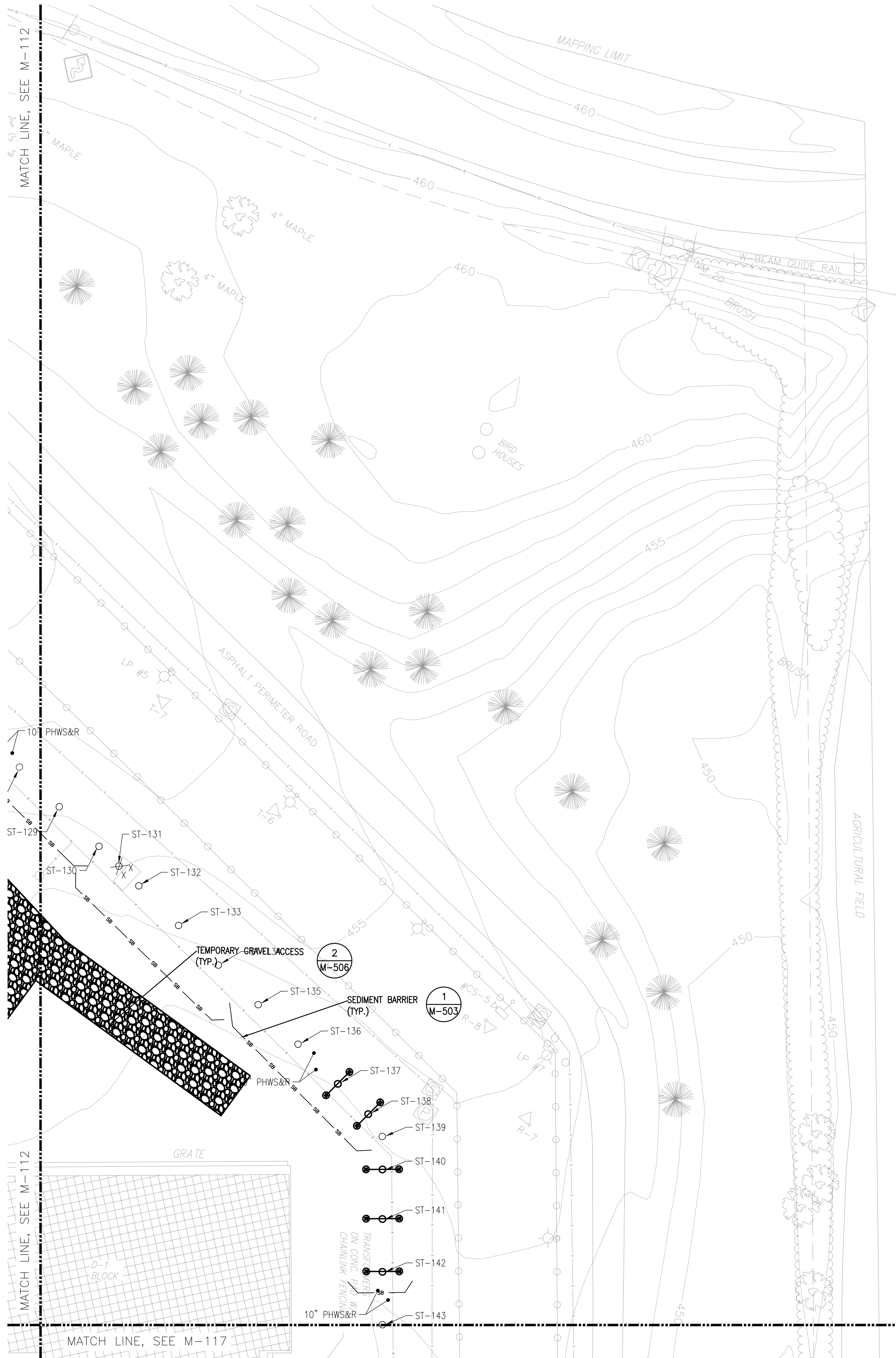
MARK	DATE	DESCRIPTION
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PROJECT NUMBER:	M3108 - H	
DESIGNED BY:	ASF	
DRAWN BY:	ASF	
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APPROVED:	MCO	

SHEET TITLE:

EROSION AND SEDIMENT CONTROL & SITE RESTORATION PLAN

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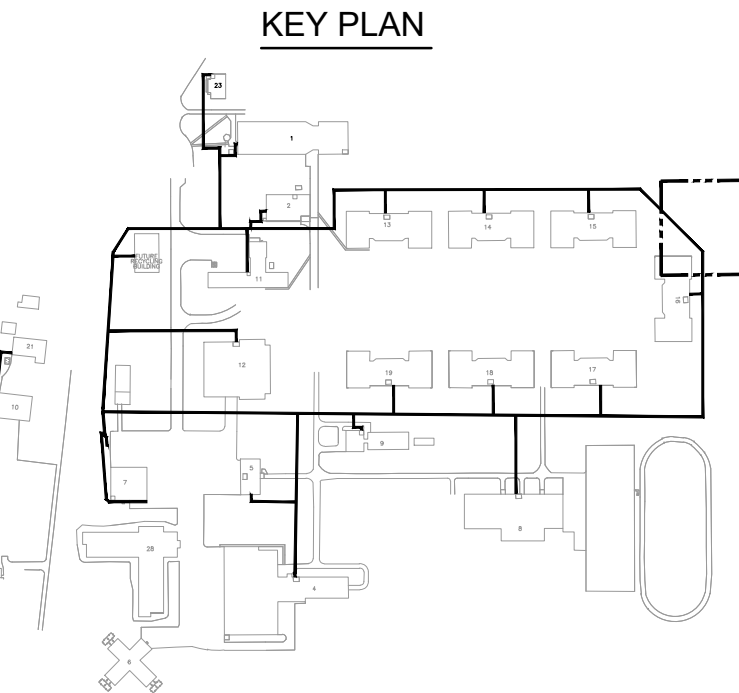
M-112



- LEGEND:
- LIMIT OF TEMPORARY GRAVEL ACCESS TO BE RESTORED TO GRASS UPON CONSTRUCTION COMPLETION
 - LIMIT OF EXISTING SURFACE REMOVAL AND PAVEMENT RESTORATION
 - INLET PROTECTION
 - SEDIMENT BARRIER

GENERAL NOTE:

1. RETURN ALL DISTURBED AREAS TO THEIR EXISTING COVER TYPES UPON CONSTRUCTION COMPLETION UNLESS OTHERWISE SPECIFIED.



1 ESC & SITE RESTORATION PLAN
M-113 SCALE: 1"=20'

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

CONSULTANT

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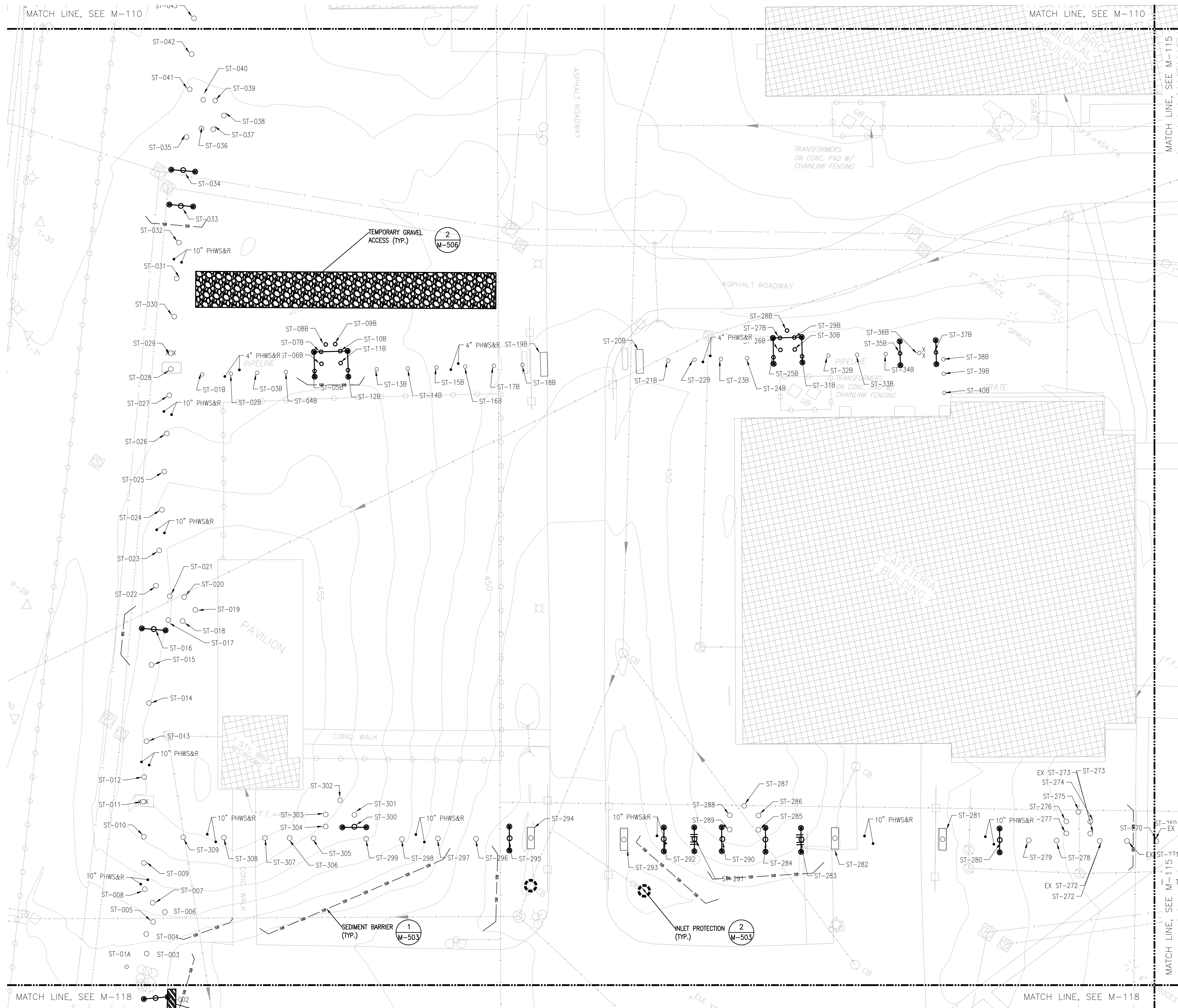
CONTRACT: HVAC

TITLE: REHABILITATE EXTERIOR HEATING SYSTEM STANCHION SUPPORTS

LOCATION: GOUVERNEUR CORRECTIONAL FACILITY
SCOTCH SETTLEMENT ROAD
GOUVERNEUR, NY

CLIENT: DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION

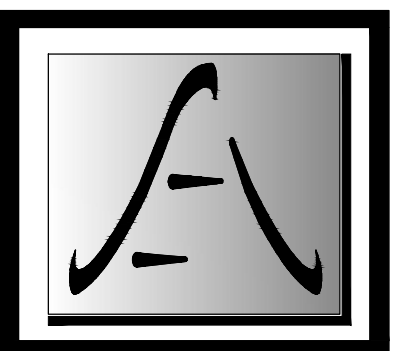
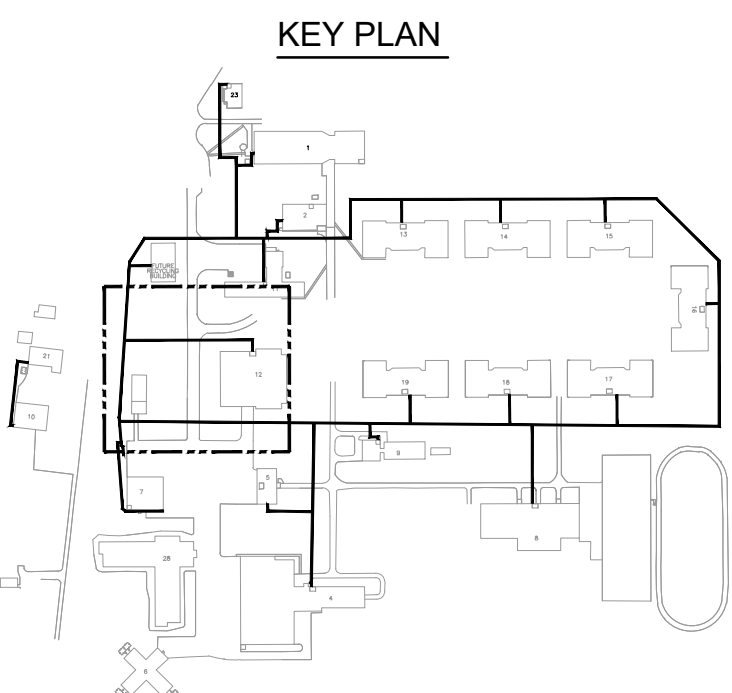
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MARK	DATE	DESCRIPTION
PROJECT NUMBER:	M3108 — H	
DESIGNED BY:	ASF	
DRAWN BY:	ASF	
FIELD CHECK:	VPD	
APPROVED:	MCO	
SHEET TITLE:		
EROSION AND SEDIMENT CONTROL & SITE RESTORATION PLAN		
DRAWING NUMBER:		
M—113		
SHEET	11	OF 45



- LEGEND:
- [Pattern] LIMIT OF TEMPORARY GRAVEL ACCESS TO BE RESTORED TO GRASS UPON CONSTRUCTION COMPLETION
 - [Pattern] LIMIT OF EXISTING SURFACE REMOVAL AND PAVEMENT RESTORATION
 - [Symbol] INLET PROTECTION
 - [Symbol] SEDIMENT BARRIER

GENERAL NOTE:

1. RETURN ALL DISTURBED AREAS TO THEIR EXISTING COVER TYPES UPON CONSTRUCTION COMPLETION UNLESS OTHERWISE SPECIFIED.



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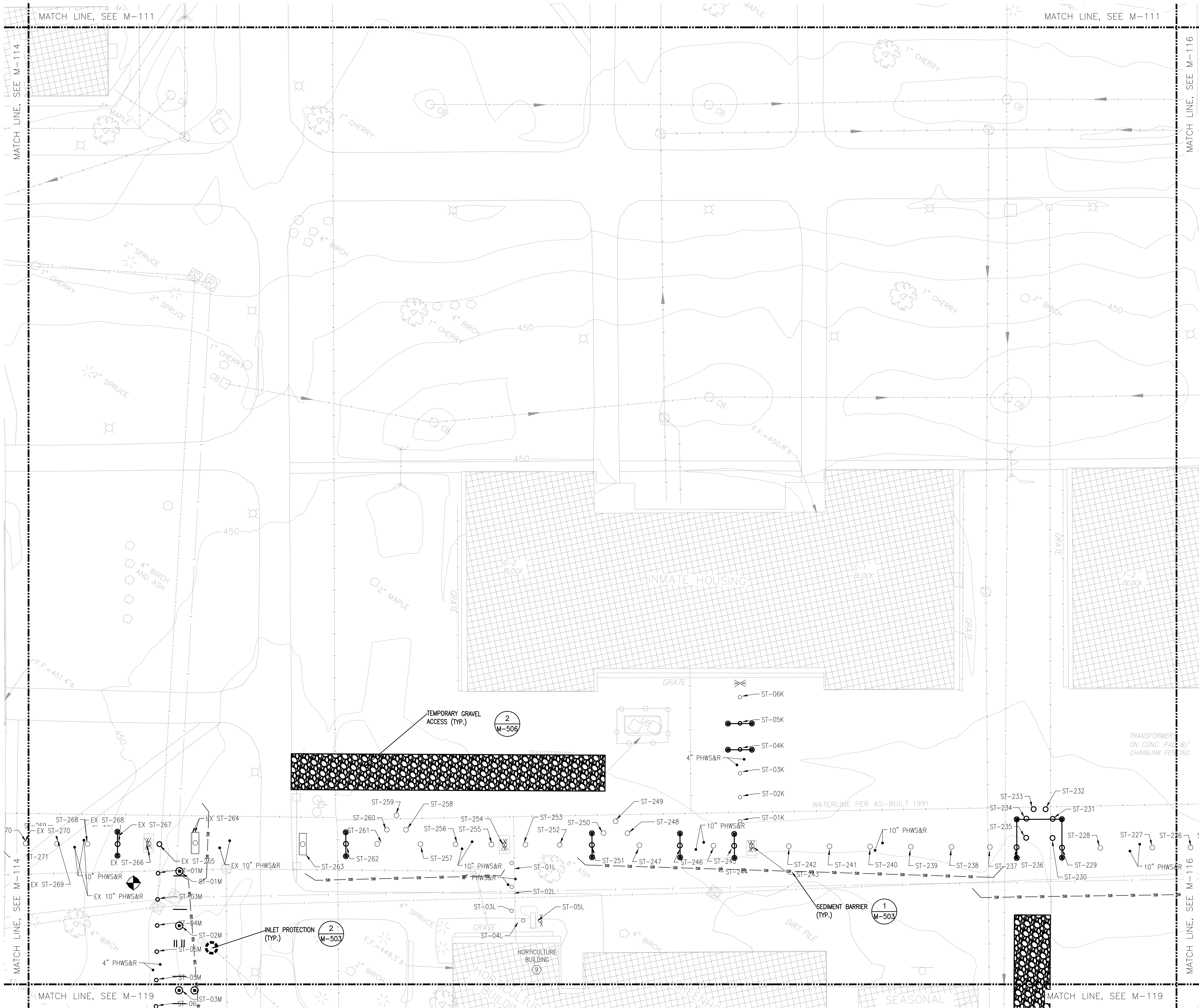


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CONTRACT:	HVAC
TITLE:	REHABILITATE EXTERIOR HEATING SYSTEM STANCHION SUPPORTS
LOCATION:	GOVERNEUR CORRECTIONAL FACILITY SCOTCH SETTLEMENT ROAD GOVERNEUR, NY
CLIENT:	DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION

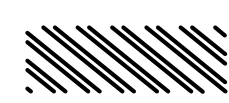
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DATE		DESCRIPTION
PROJECT NUMBER:	M3108 - H	
DESIGNED BY:	ASF	
DRAWN BY:	ASF	
FIELD CHECK:	VPD	
APPROVED:	MCO	
SHEET TITLE:	EROSION AND SEDIMENT CONTROL & SITE RESTORATION PLAN	
DRAWING NUMBER:	M-114	
SHEET	12	OF 45



LEGEND:



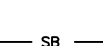
LIMIT OF TEMPORARY GRAVEL ACCESS TO BE RESTORED TO GRASS UPON CONSTRUCTION COMPLETION



LIMIT OF EXISTING SURFACE REMOVAL AND PAVEMENT RESTORATION



INLET PROTECTION

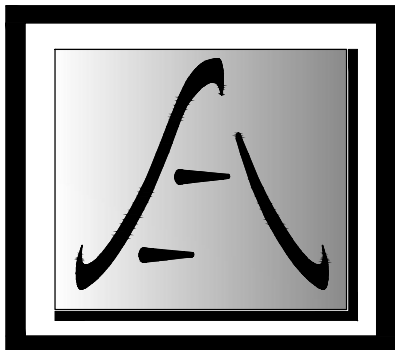
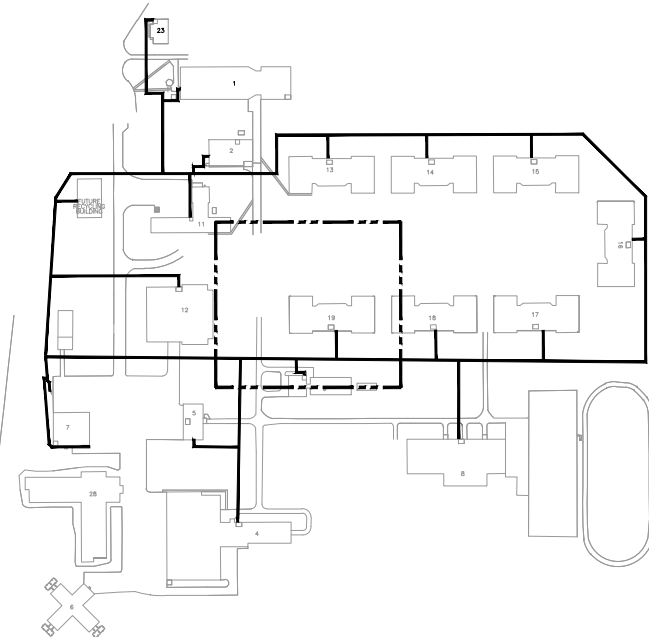


SEDIMENT BARRIER

GENERAL NOTE:

1. RETURN ALL DISTURBED AREAS TO THEIR EXISTING COVER TYPES UPON CONSTRUCTION COMPLETION UNLESS OTHERWISE SPECIFIED.

KEY PLAN



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CONTRACT:

HVAC

TITLE:

REHABILITATE EXTERIOR HEATING SYSTEM STANCHION SUPPORTS

LOCATION:

GOVERNEUR CORRECTIONAL FACILITY
SCOTCH SETTLEMENT ROAD
GOVERNEUR, NY

CLIENT:

DEPARTMENT OF CORRECTIONS
AND COMMUNITY SUPERVISION

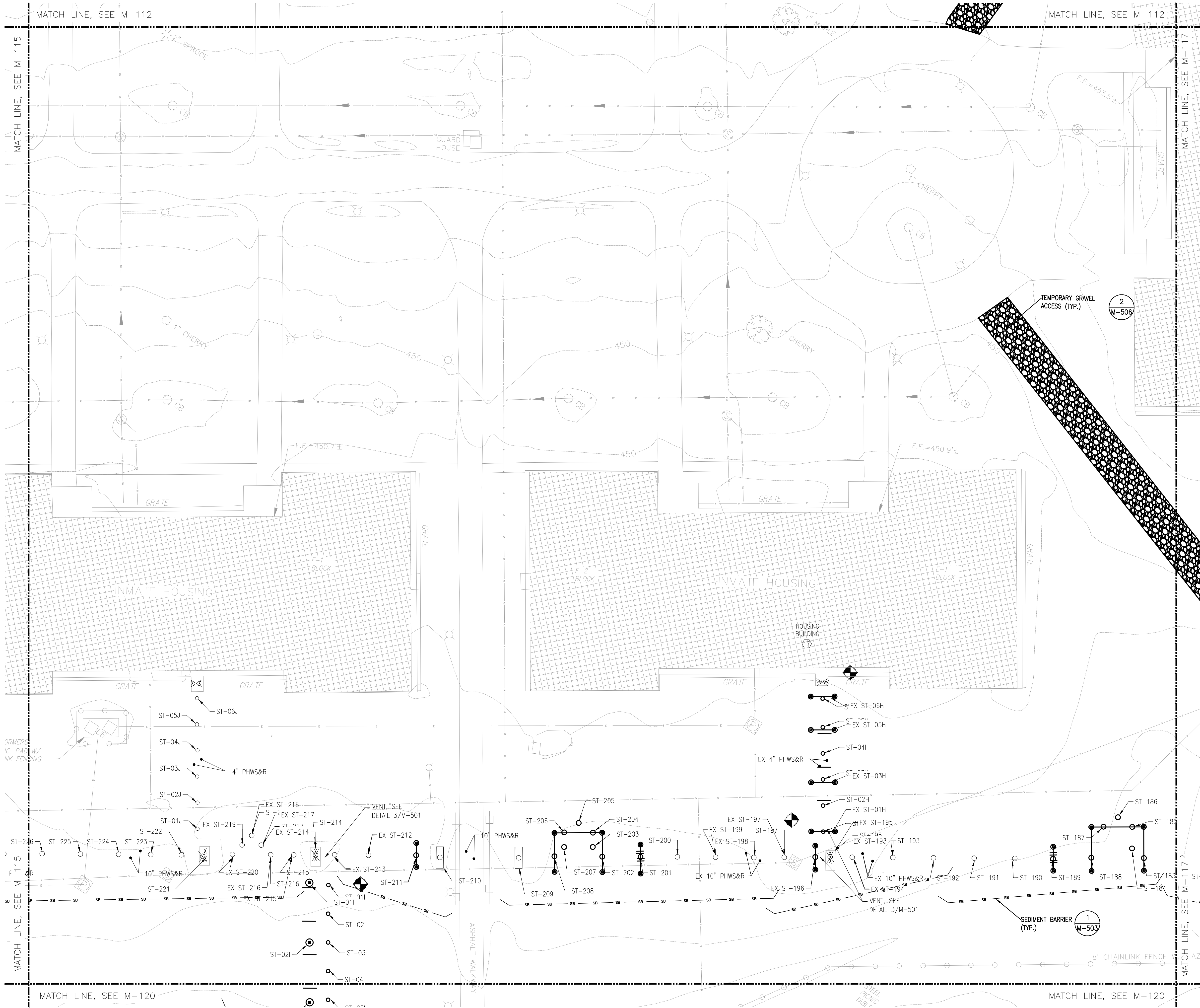
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DATE		DESCRIPTION
PROJECT NUMBER:	M3108 - H	
DESIGNED BY:	ASF	
DRAWN BY:	ASF	
FIELD CHECK:	VPD	
APPROVED:	MCO	

SHEET TITLE:

EROSION AND SEDIMENT CONTROL & SITE RESTORATION PLAN

DRAWING NUMBER:

M-115



LEGEND:



LIMIT OF TEMPORARY GRAVEL ACCESS TO BE RESTORED TO GRASS UPON CONSTRUCTION COMPLETION



LIMIT OF EXISTING SURFACE REMOVAL AND PAVEMENT RESTORATION



INLET PROTECTION

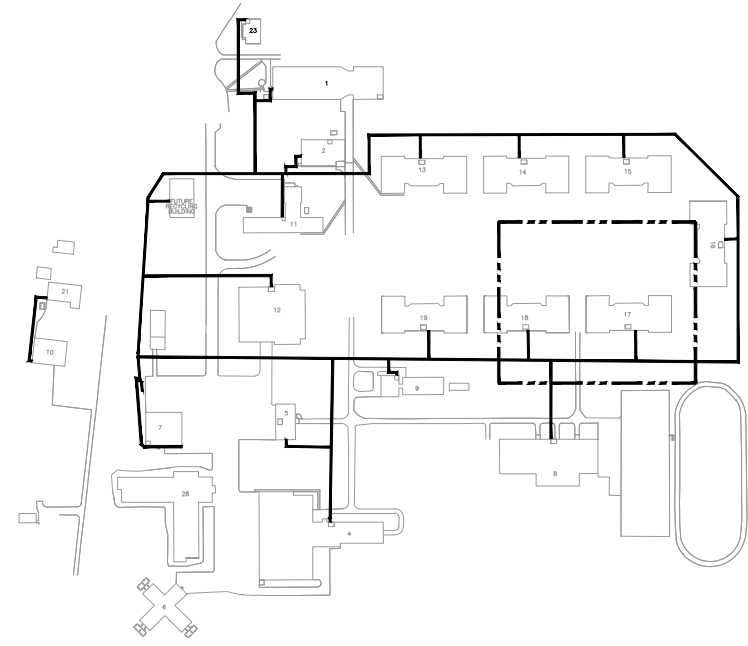


SEDIMENT BARRIER

GENERAL NOTE:

1. RETURN ALL DISTURBED AREAS TO THEIR EXISTING COVER TYPES UPON CONSTRUCTION COMPLETION UNLESS OTHERWISE SPECIFIED.

KEY PLAN



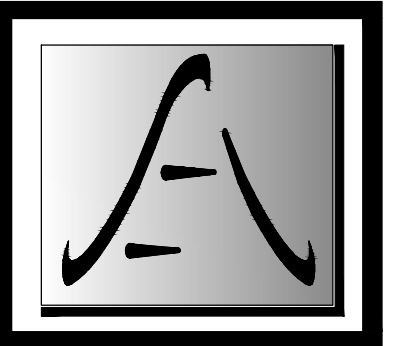
1 ESC & SITE RESTORATION PLAN

SCALE: 1"=20'



DESIGN & CONSTRUCTION

CONSULTANT



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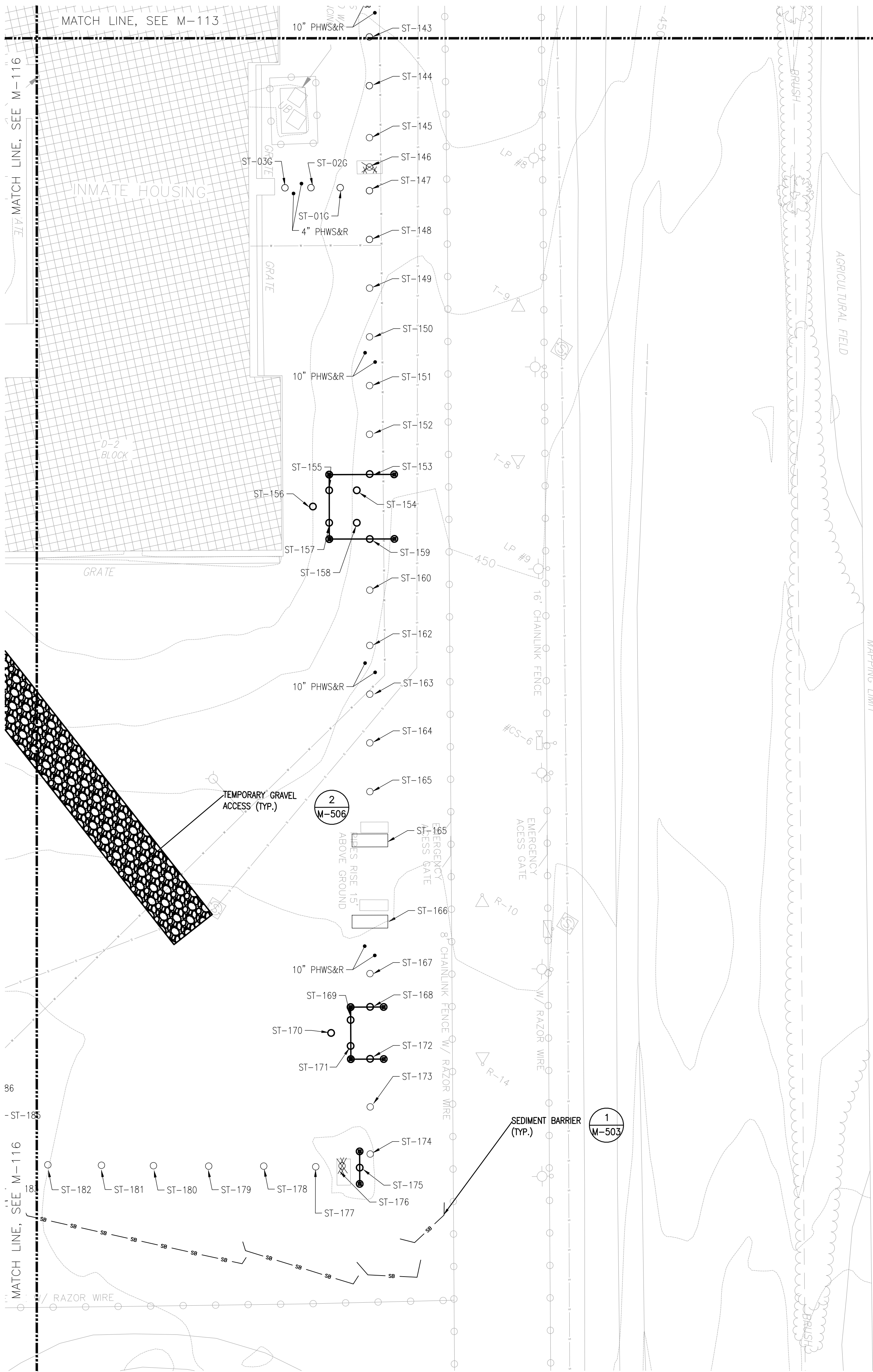


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CONTRACT:	HVAC
TITLE:	REHABILITATE EXTERIOR HEATING SYSTEM STANCHION SUPPORTS
LOCATION:	GOVERNEUR CORRECTIONAL FACILITY SCOTCH SETTLEMENT ROAD GOVERNEUR, NY
CLIENT:	DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION

	3/10/2020	BID DOCUMENT
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	M3108 — H	
DESIGNED BY:	ASF	
DRAWN BY:	ASF	
FIELD CHECK:	VPD	
APPROVED:	MCO	
SHEET TITLE:		
EROSION AND SEDIMENT CONTROL & SITE RESTORATION PLAN		
DRAWING NUMBER:		
M-116		
SHEET	14	OF 45



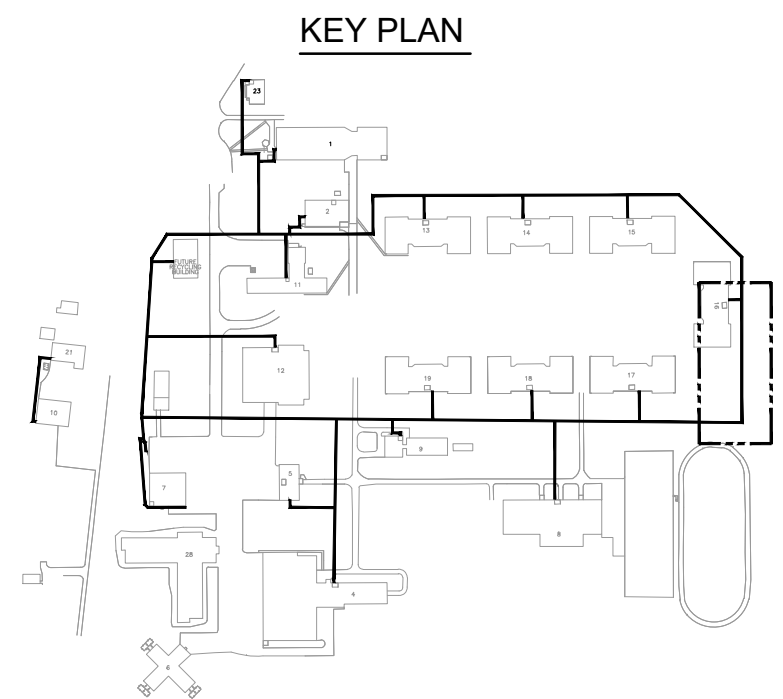
MATCH LINE, SEE M-113

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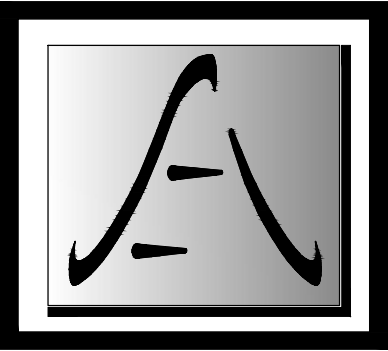
- LIMIT OF TEMPORARY GRAVEL ACCESS TO BE RESTORED TO GRASS UPON CONSTRUCTION COMPLETION
- LIMIT OF EXISTING SURFACE REMOVAL AND PAVEMENT RESTORATION
- INLET PROTECTION
- SEDIMENT BARRIER

GENERAL NOTE:

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CONTRACT:

HVAC

TITLE:

REHABILITATE EXTERIOR HEATING SYSTEM STANCHION SUPPORTS

LOCATION:

GOVERNEUR CORRECTIONAL FACILITY
SCOTCH SETTLEMENT ROAD
GOVERNEUR, NY

CLIENT:

DEPARTMENT OF CORRECTIONS
AND COMMUNITY SUPERVISION

	3/10/2020	BID DOCUMENT
MARK	DATE	DESCRIPTION

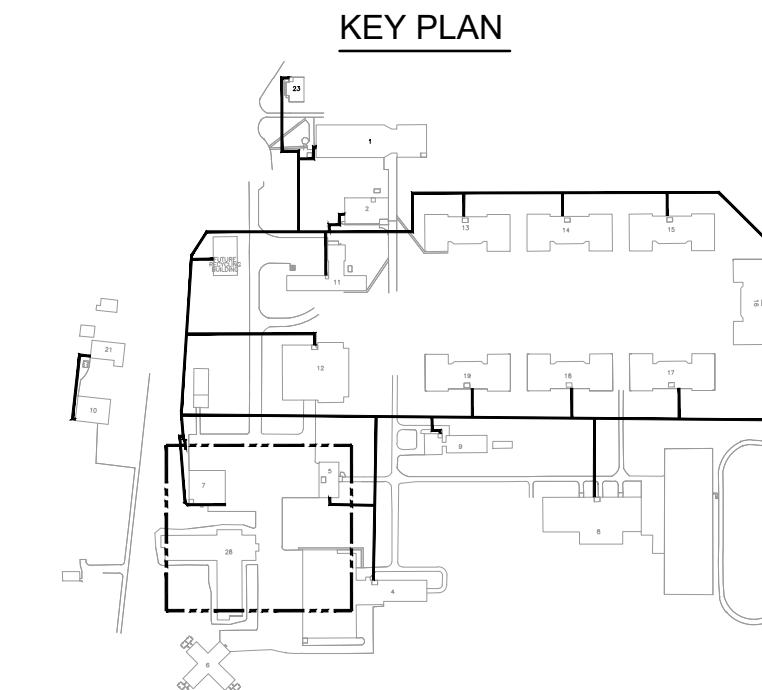
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DESIGNED BY:	ASF
DRAWN BY:	ASF
FIELD CHECK:	VPD
APPROVED:	MCO

SHEET TITLE:
EROSION AND SEDIMENT CONTROL & SITE RESTORATION PLAN

DRAWING NUMBER:
M-117

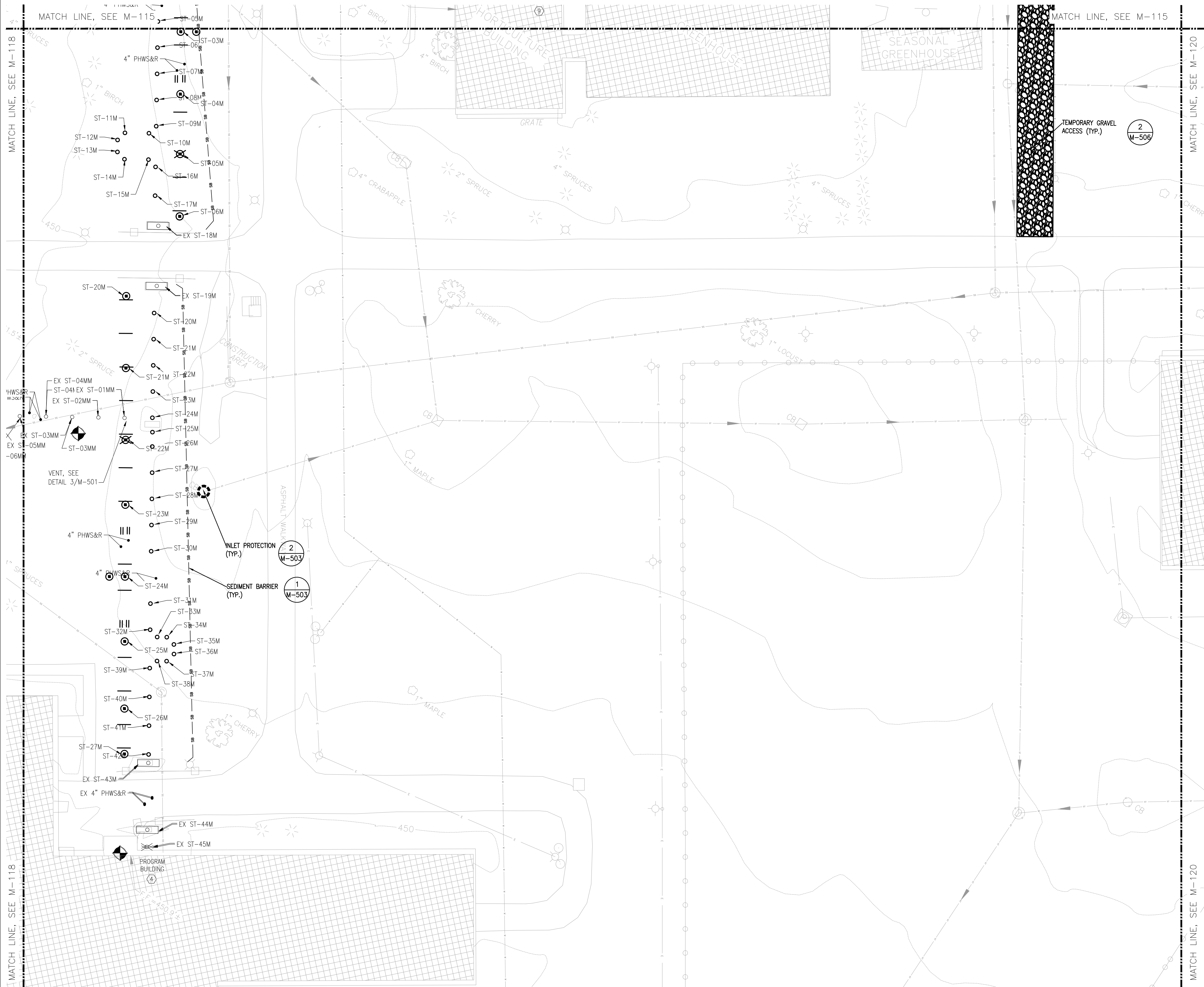
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M-117
ESC & SITE RESTORATION PLAN
SCALE: 1"=20'





1. RETURN ALL DISTURBED AREAS TO THEIR EXISTING COVER TYPES UPON CONSTRUCTION COMPLETION UNLESS OTHERWISE SPECIFIED.

SHEET 16 OF 45

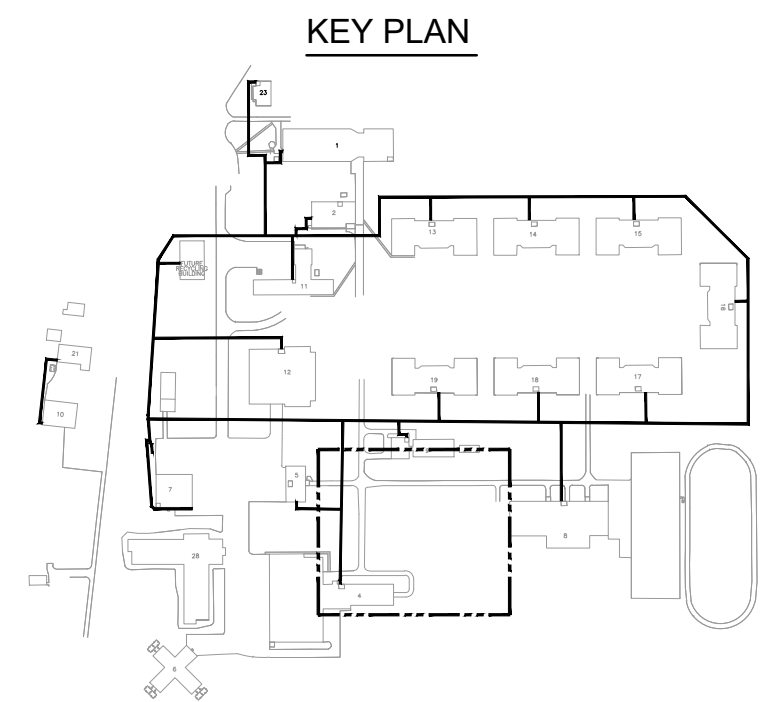


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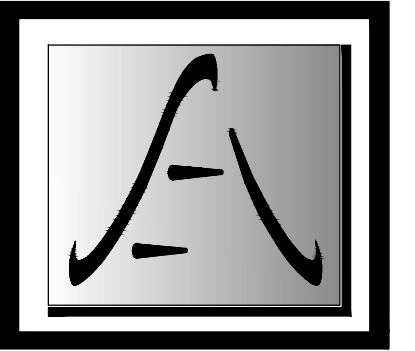
- LIMIT OF TEMPORARY GRAVEL ACCESS TO BE RESTORED TO GRASS UPON CONSTRUCTION COMPLETION
- LIMIT OF EXISTING SURFACE REMOVAL AND PAVEMENT RESTORATION
- INLET PROTECTION
- SEDIMENT BARRIER

GENERAL NOTE:

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1 ESC & SITE RESTORATION PLAN
M-119 SCALE: 1"=20'



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CONTRACT:

HVAC

TITLE:

REHABILITATE EXTERIOR HEATING SYSTEM STANCHION SUPPORTS

LOCATION:

GOVERNEUR CORRECTIONAL FACILITY
SCOTCH SETTLEMENT ROAD
GOVERNEUR, NY

CLIENT:

DEPARTMENT OF CORRECTIONS
AND COMMUNITY SUPERVISION

MARK	DATE	DESCRIPTION
	3/10/2020	BID DOCUMENT

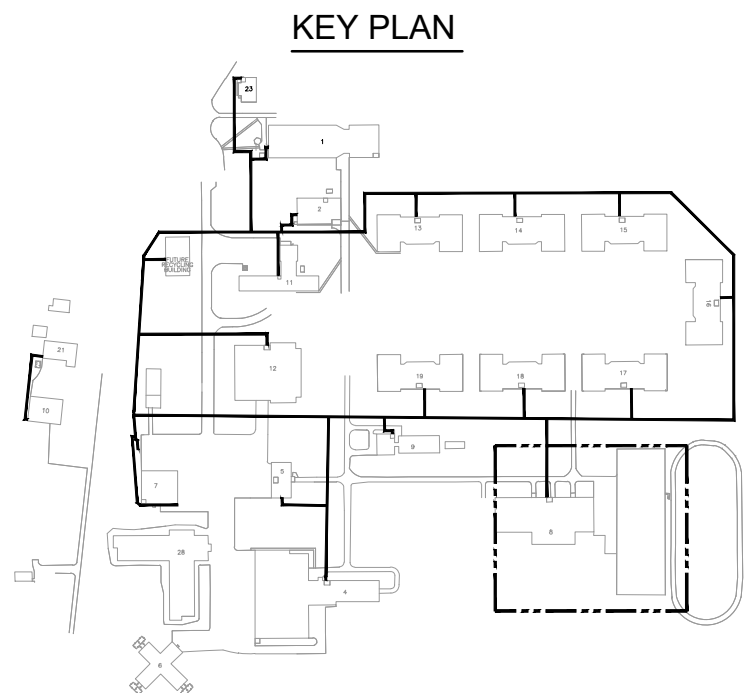
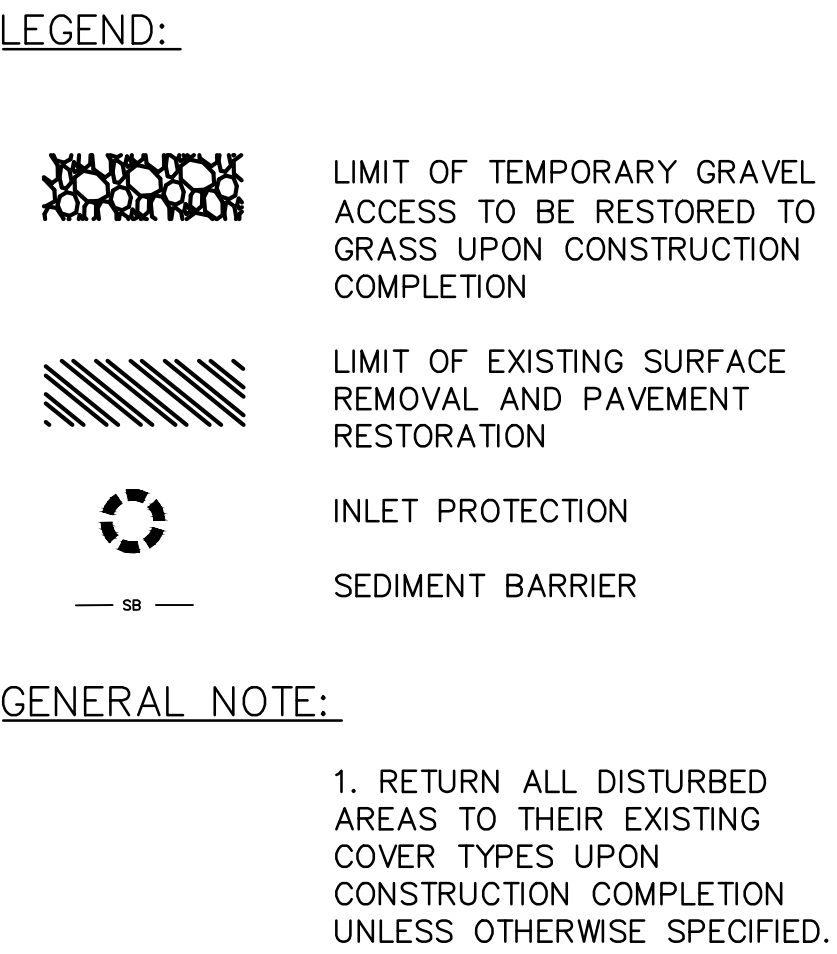
PROJECT NUMBER:	M3108 - H
DESIGNED BY:	ASF
DRAWN BY:	ASF
FIELD CHECK:	VPD
APPROVED:	MCO

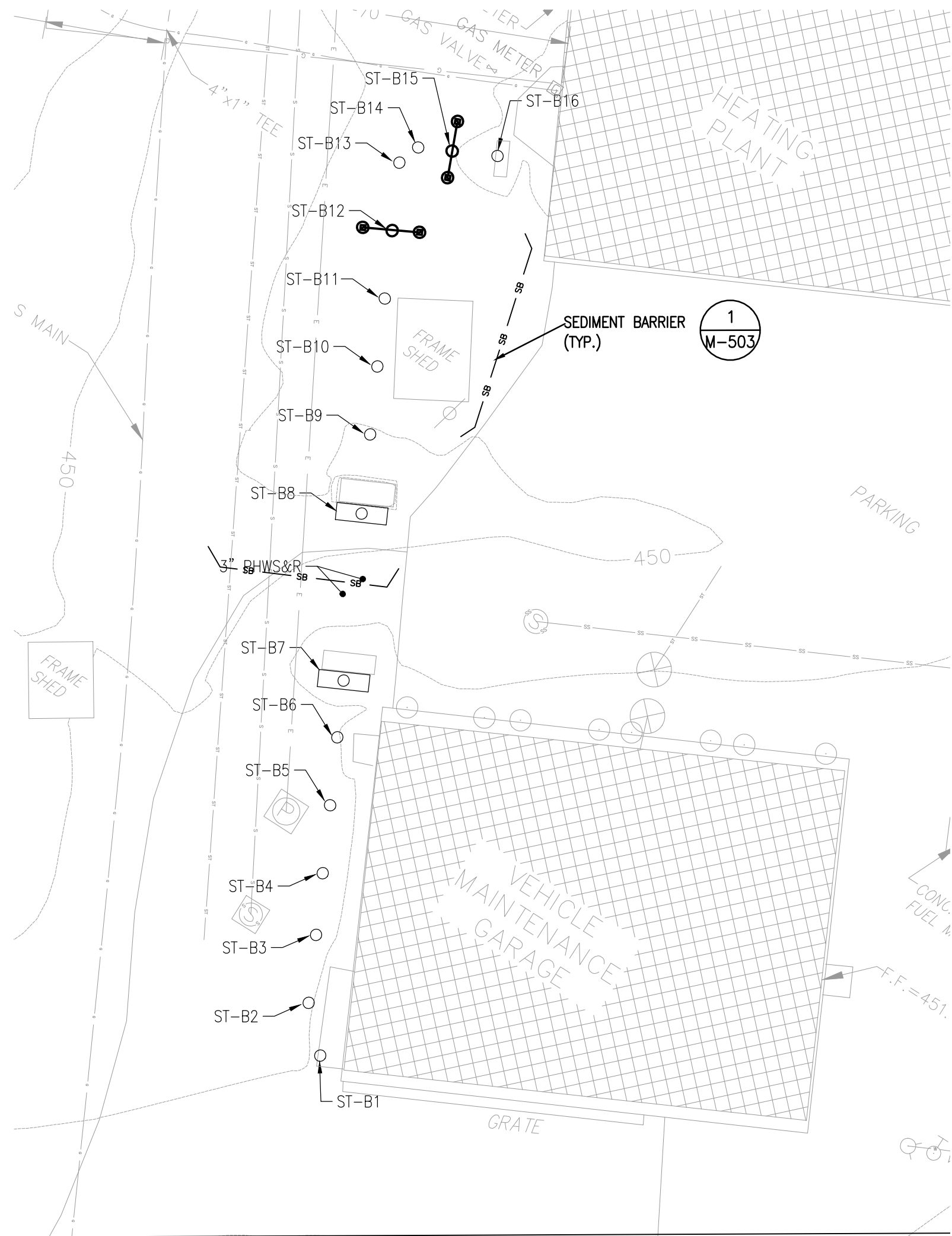
SHEET TITLE:

EROSION AND SEDIMENT CONTROL & SITE RESTORATION PLAN

DRAWING NUMBER:

M-119





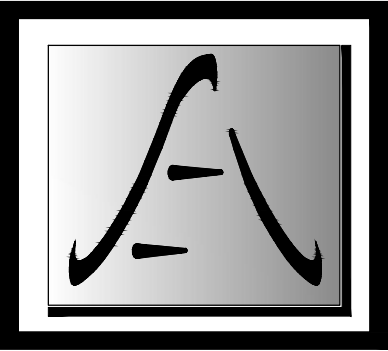
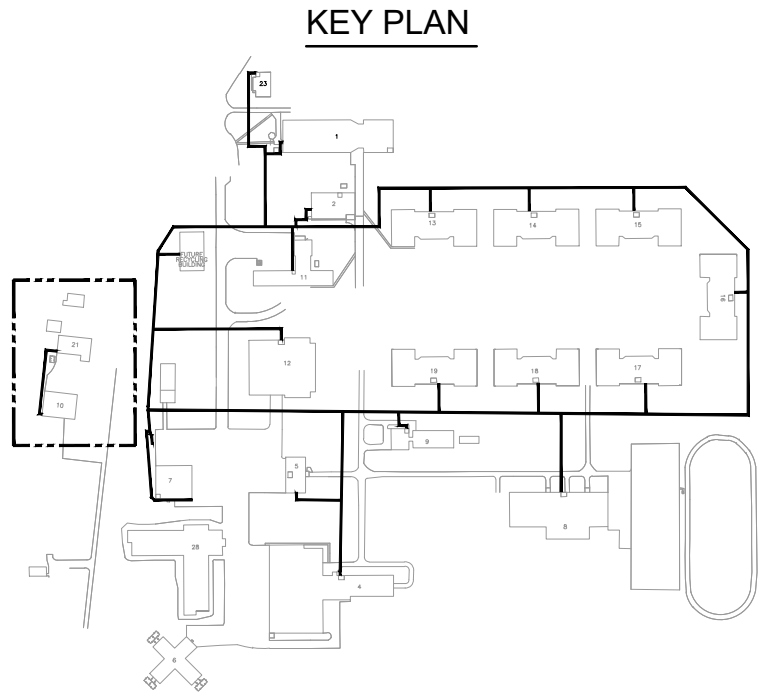
1 ESC & SITE RESTORATION PLAN
M-121 SCALE: 1"=20'

LEGEND:

- LIMIT OF TEMPORARY GRAVEL ACCESS TO BE RESTORED TO GRASS UPON CONSTRUCTION COMPLETION
- LIMIT OF EXISTING SURFACE REMOVAL AND PAVEMENT RESTORATION
- INLET PROTECTION
- SEDIMENT BARRIER

GENERAL NOTE:

1. RETURN ALL DISTURBED AREAS TO THEIR EXISTING COVER TYPES UPON CONSTRUCTION COMPLETION UNLESS OTHERWISE SPECIFIED.



SAGE ENGINEERING ASSOCIATES, LLP

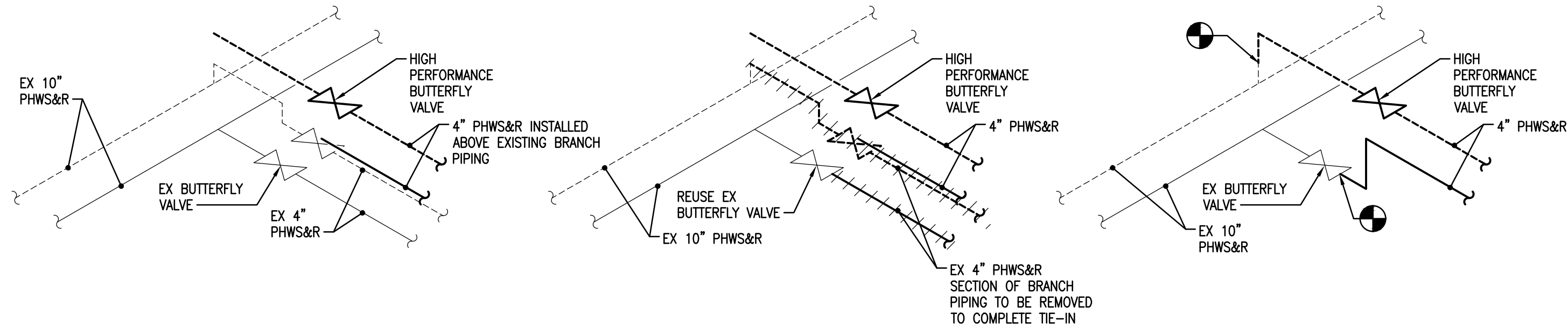


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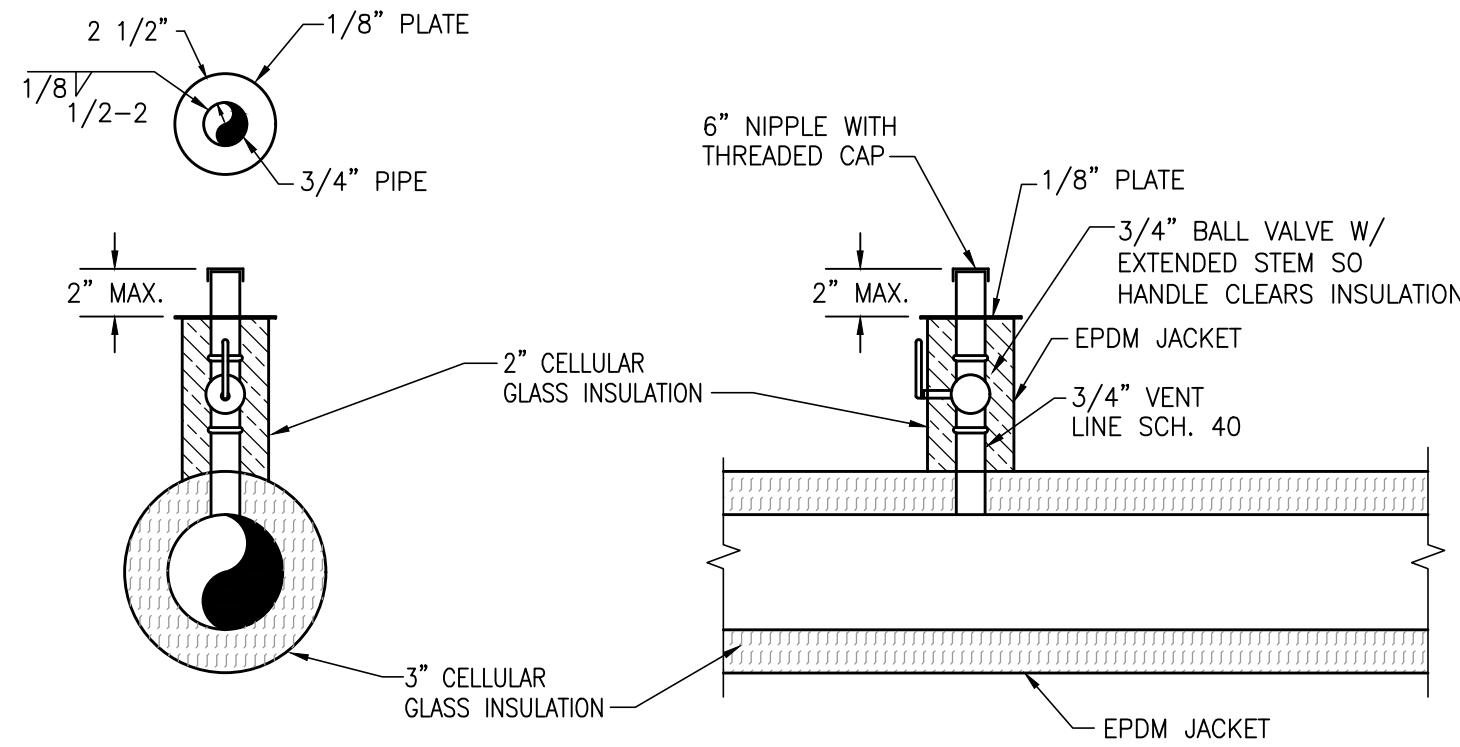


CONTRACT:	HVAC
TITLE:	REHABILITATE EXTERIOR HEATING SYSTEM STANCHION SUPPORTS
LOCATION:	GOVERNEUR CORRECTIONAL FACILITY SCOTCH SETTLEMENT ROAD GOVERNEUR, NY
CLIENT:	DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION

PROJECT NUMBER:	M3108	H
DESIGNED BY:	ASF	
DRAWN BY:	ASF	
FIELD CHECK:	VPD	
APPROVED:	MCO	
SHEET TITLE:	EROSION AND SEDIMENT CONTROL & SITE RESTORATION PLAN	
DRAWING NUMBER:	M-121	
SHEET	19	OF 45

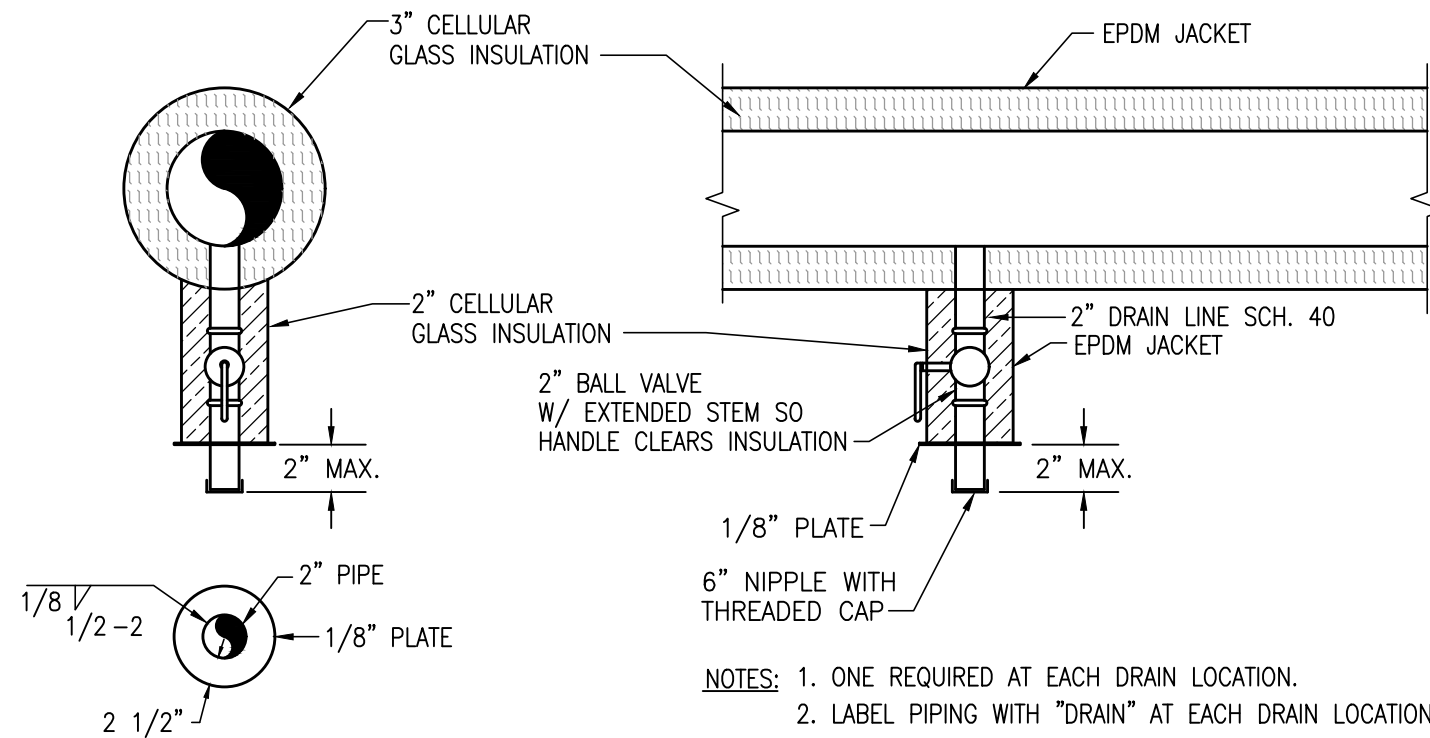


1 TYPICAL PIPE TAKEOFF TIE-IN DETAIL
M-501 SCALE: NTS



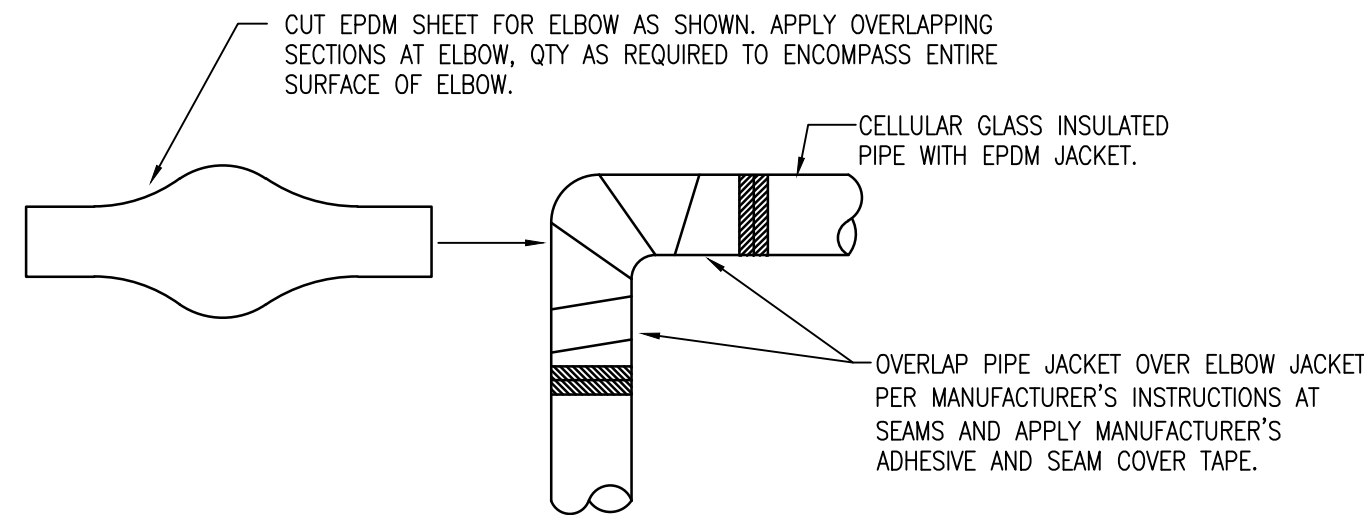
NOTES: 1. ONE REQUIRED AT EACH HIGH POINT AND EACH DRAIN LOCATION.
2. LABEL PIPING WITH "VENT" AT EACH VENT LOCATION.

3 TYPICAL ABOVE GROUND PIPE AIR VENT DETAIL
M-501 SCALE: NTS

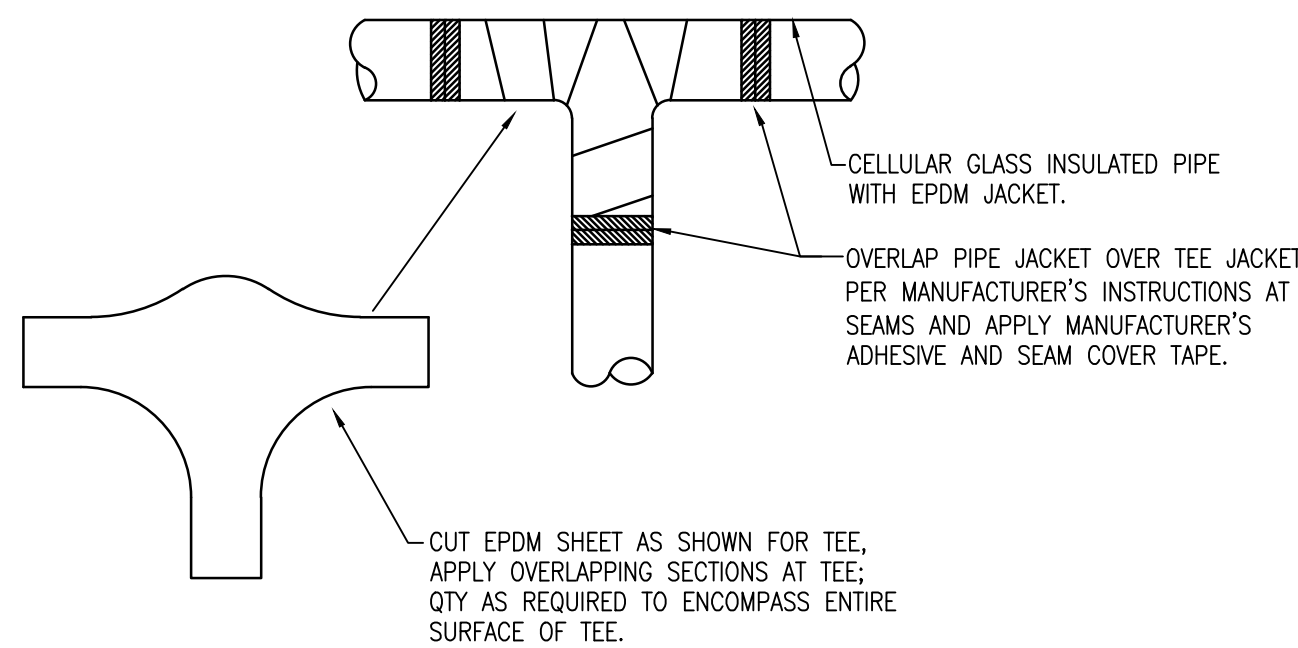


NOTES: 1. ONE REQUIRED AT EACH DRAIN LOCATION.
2. LABEL PIPING WITH "DRAIN" AT EACH DRAIN LOCATION.

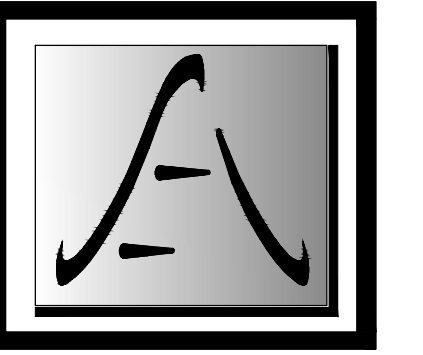
4 TYPICAL ABOVE GROUND PIPE DRAIN DETAIL
M-501 SCALE: NTS



5 EPDM JACKET INSTALLATION AT ELBOW
M-501 SCALE: NTS



6 EPDM JACKET INSTALLATION AT TEE
M-501 SCALE: NTS



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CONTRACT: HVAC
TITLE: REHABILITATE EXTERIOR
HEATING SYSTEM STANCHION
SUPPORTS
LOCATION: GOUVERNEUR CORRECTIONAL FACILITY
SCOTCH SETTLEMENT ROAD
GOUVERNEUR, NY
CLIENT: DEPARTMENT OF CORRECTIONS
AND COMMUNITY SUPERVISION

	3/10/2020	BID DOCUMENT
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	M3108 — H	
DESIGNED BY:	DPL	
DRAWN BY:	AGC	
FIELD CHECK:	VPD	
APPROVED:	DPL	
SHEET TITLE:		
DETAILS		
DRAWING NUMBER:		
M-501		
SHEET	20	OF 45

I. SPDES GENERAL PERMIT 0-15-002 COMPLIANCE NOTES:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH THE FOLLOWING:

- THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL READ AND UNDERSTAND THE CONDITIONS OF THE "NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) STATE POLLUTANT DISCHARGE ELIMINATION (SPDES) GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES" GP-0-15-002 FOR THIS PROJECT.
- THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL SIGN A COPY OF THE GENERAL PERMIT GP-0-15-002 CERTIFICATION STATEMENT IDENTIFIED IN THE APPENDICES OF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP).
- THE DIRECTORS REPRESENTATIVE SHALL FILE A NOTICE OF INTENT (NOI) WITH THE NYSDEC PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS NECESSARY FOR THE WORK OUTLINED WITHIN THE SWPPP REPORT AND CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMPLEMENTATION OF ALL SWPPP MEASURES OUTLINED IN THE SWPPP REPORT AND CONTRACT DOCUMENTS
- THE CONTRACTOR SHALL HOLD A PRE-CONSTRUCTION CONFERENCE WITH THE DIRECTOR'S REPRESENTATIVE AND QUALIFIED PROFESSIONAL AT LEAST SEVEN (7) DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES AS DEPICTED AND REQUIRED IN THE SWPPP REPORT, PLANS AND CONTRACT SPECIFICATIONS. ONCE MEASURES ARE INSTALLED, THE CONTRACTOR/OWNER SHALL HAVE A QUALIFIED PROFESSIONAL, AS DEFINED WITHIN THE NYSDEC SPDES GENERAL PERMIT GP-0-15-002, CONDUCT A PRE-CONSTRUCTION SITE ASSESSMENT PRIOR TO THE START OF CONSTRUCTION ACTIVITIES TO CERTIFY THAT ALL EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN ADEQUATELY INSTALLED AND IMPLEMENTED.
- THE OWNER SHALL HAVE A QUALIFIED PROFESSIONAL CONDUCT ON-SITE INSPECTIONS DURING CONSTRUCTION ACTIVITIES AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS. REFER TO THE NYSDEC SPDES GENERAL PERMIT GP-0-15-002 AND THE SWPPP FOR THE DETAILS OF EACH INSPECTION.
- THE DIRECTORS REPRESENTATIVE SHALL MAINTAIN A RECORD OF ALL EROSION AND SEDIMENT CONTROL INSPECTION REPORTS AT THE SITE IN A SITE LOG BOOK. THE SITE LOG BOOK SHALL BE MAINTAINED ON-SITE AND BE MADE AVAILABLE TO THE PERMITTING AUTHORITY. ON A MONTHLY BASIS,THE OWNER/CONTRACTOR SHALL POST AT THE SITE, IN A PUBLICLY ACCESSIBLE LOCATION, A SUMMARY OF THE SITE INSPECTION ACTIVITIES.
- THE DIRECTORS REPRESENTATIVE SHALL FILE A NOTICE OF TERMINATION (NOT) WITH THE NYSDEC UPON COMPLETION OF CONSTRUCTION ACTIVITIES, SITE STABILIZATION, AND FINAL ASSESSMENT BY A QUALIFIED PROFESSIONAL.

II. ESC PRACTICES

1. POLLUTION PREVENTION MEASURES

TAKE THE FOLLOWING STEPS TO PREVENT LITTER, CHEMICALS AND DEBRIS FROM ENTERING STORM DRAINS AND DISCHARGES:

- PROPERLY INSTALL AND MAINTAIN EROSION AND SEDIMENT CONTROL DEVICES AS OUTLINED IN THE PROJECT DOCUMENTS AND IN COMPLIANCE WITH THE LATEST EDITION OF THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
- PROPERLY CONTAIN AND DISPOSE OF ALL MATERIALS USED ON SITE.
- CLEAN UP SPILLS IMMEDIATELY TO MINIMIZE SAFETY HAZARD AND PREVENT SPREADING.
- ROUTINELY INSPECT AND CLEAN OUT CATCH BASINS AND STORM LINES.
- LABEL ALL STORM INLETS AS "NO DUMPING".
- CONTROL LITTER BY SWEEPING AND PICKING IT UP.
- IF POSSIBLE, DO NOT STORE FUEL OR PETROLEUM PRODUCTS ON-SITE. IF FUEL/PETROLEUM PRODUCTS ARE STORED ON SITE:
 - USE SECONDARY CONTAINMENT MEASURES.
 - HAVE EQUIPMENT ON SITE TO CLEAN AND CLEAN UP SPILLS IN FUEL STORAGE AREAS OR ON BOARD MAINTENANCE AND FUELING VEHICLES.
 - CONTAIN AND CLEAN UP SPILLS IMMEDIATELY.
 - USE PREVENTATIVE MAINTENANCE FOR ON-SITE EQUIPMENT.
 - OVERSEE ALL FILLING OPERATIONS.
- PRACTICE GOOD HOUSEKEEPING AND EDUCATE EMPLOYEES ON POLLUTION PREVENTION MEASURES.
 - STORE ON-SITE MATERIALS AND CHEMICALS IN NEAT AND ORDERLY MANNER AND IN AREAS DESIGNATED FOR SUCH STORAGE.
 - ROUTINELY DISPOSE OF GARBAGE, RUBBISH, CONSTRUCTION WASTE AND SANITARY WASTE.
 - PROMPTLY CLEAN UP ANY SPILLS.
 - CLEANUP SEDIMENTS TRACKED ONTO ROADWAYS OR THAT HAVE TRANSPORTED BY STORM WATER OR WIND TO OTHER AREAS OR ADJACENT PROPERTIES.
 - EMPLOY DUST CONTROL METHODS.

I. FOR CONSTRUCTION WASTE:

- SELECT A DESIGNATED WASTE AREA COLLECTION ON SITE.
- PROVIDE AN ADEQUATE NUMBER OF CONTAINERS WITH LIDS OR COVERS THAT CAN BE PLACED OVER CONTAINERS PRIOR TO RAINFALL.
- WHEN POSSIBLE, LOCATE CONTAINERS IN A COVERED AREA.
- ARRANGE FOR WASTE COLLECTION PRIOR TO CONTAINER OVERFLOW.
- IF A CONTAINER DOES SPILL, CLEAN UP IMMEDIATELY.
- CONSTRUCTION WASTE SHALL BE COLLECTED, REMOVED AND DISPOSED OF ONLY IN AUTHORIZED DISPOSAL AREAS.
- DISPOSAL METHODS SHALL MEET THE REQUIREMENTS OF FEDERAL, STATE AND LOCAL AUTHORITIES.

J. PROVIDE AND MAINTAIN TEMPORARY SANITARY FACILITIES. DOMESTIC WASTE HAULERS SHALL BE CONTRACTED TO REGULARLY REMOVE THE SANITARY WASTES AND TO MAINTAIN THE FACILITIES IN GOOD WORKING ORDER.

K. IF FERTILIZERS OR DETERGENTS ARE USED ON SITE:

- LIMIT THE APPLICATIONS OF FERTILIZERS TO THE MINIMUM AREA REQUIRED AND USE THE MINIMUM RECOMMENDED AMOUNTS.
- REDUCE THE EXPOSURE OF NUTRIENTS TO STORMWATER RUNOFF BY WORKING THE FERTILIZER INTO SOIL.
- APPLY FERTILIZER MORE FREQUENTLY BUT AT LOWER APPLICATION RATES.
- HYDROSEEDING WHERE LIME AND FERTILIZERS ARE APPLIED TO THE GROUND SURFACE IN ONE APPLICATION SHOULD BE LIMITED WHERE POSSIBLE.
- LIMIT THE USE OF DETERGENTS ON-SITE; WASH WATER CONTAINING DETERGENTS SHALL NOT BE DISCHARGED INTO THE STORM WATER SYSTEM.
- APPLY FERTILIZERS AND DETERGENTS ONLY IN THE RECOMMENDED MANNER AND ONLY IN THE RECOMMENDED AMOUNTS.

L. CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE, BUT ONLY IN SPECIFICALLY DESIGNATED DIKED AND IMPERVIOUS WASHOUT AREAS WHICH HAVE BEEN PREPARED TO PREVENT CONTACT BETWEEN CONCRETE WASH AND STORM WATER. REFER TO THE SWPPP FOR ADDITIONAL INFORMATION.

2. ON SITE MATERIAL STORAGE

THE FOLLOWING MATERIALS MAY BE STORED ON - SITE DURING PROJECT CONSTRUCTION. THE LIST MAY NOT BE

INCLUSIVE AND WILL VARY DURING THE DIFFERENT STAGES OF THE PROJECT.

- PIPING AND APPURTENANCES. (OUTSIDE PERIMETER FENCING ONLY)
- STOCKPILED SOILS - TOP SOIL, SUB BASE MATERIAL, CUSHION MATERIAL, SELECT GRANULAR MATERIAL AND CRUSHED STONE.
- EROSION AND SEDIMENT CONTROL MATERIALS: STRAWBALES, EROSION CONTROL BLANKETS, RIP RAP AND SEED.
- PAVING MATERIALS AND EQUIPMENT.
- EQUIPMENT REQUIRED TO PERFORM THE WORK.

UTILIZE THE POLLUTION PREVENTION MEASURES OUTLINED ABOVE TO PREVENT POLLUTANTS FROM STORED MATERIALS FROM REACHING THE STORM WATER CONVEYANCE DEVICES AND DISCHARGES.

3. DESCRIPTION OF EROSION AND SEDIMENT CONTROL PRACTICES

THE LOCATION OF THE FOLLOWING STORM WATER MANAGEMENT AND EROSION AND SEDIMENT CONTROL PRACTICES ARE SHOWN ON DRAWINGS M-110 THROUGH M-121. DETAILS FOR THEIR INSTALLATION ARE SHOWN ON DRAWINGS M-503 THROUGH M-506.

- SEDIMENT: STRAWBALES REDUCE RUNOFF VELOCITY AND CAUSE SETTLING OF SEDIMENT. INSTALL BARRIER PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES, WHERE SHOWN ON DRAWINGS M-110 THROUGH M-121 AND WHERE DIRECTED BY THE DIRECTOR'S REPRESENTATIVE. INSTALL AROUND ANY STOCKPILED SOIL MATERIALS.
- TEMPORARY SEEDING: TEMPORARY SEEDING REDUCES EROSION AND SEDIMENT LOSS FROM BARE GROUND. PROVIDE TEMPORARY SEEDING TO PROVIDE TEMPORARY COVER FOR DISTURBED EARTH OR SOIL STOCKPILES HELD FOR LONGER THAN 14 DAYS. TEMPORARY SHUT DOWN OF CONSTRUCTION OR WAITING FOR OPTIMAL PLANTING TIME. IN SPRING, SUMMER OR EARLY FALL APPLY RYE GRASS AT A RATE OF 1 LB/ 1000 SQ. FT. IN LATE FALL OR EARLY SPRING, APPLY CERTIFIED AROOSTOOK RYE AT 2.5 LBS. / 1000 SQ. FT. APPLY HAY OR STRAW AT 2 BALES / 1000 SQ. FT OR WOOD FIBER HYDROMULCH AT MANUFACTURER'S RECOMMENDED RATE. HAY OR STRAW SHALL BE ANCHORED.
- DUST CONTROL: TEMPORARY AND PERMANENT STABILIZATION MEASURES, SUCH AS SEEDING, MULCHING AND INSTALLING EROSION AND SEDIMENT CONTROL BLANKETS, WILL PREVENT DUST FROM BLOWING OFF SITE. INSTALL THESE MEASURES AS SOON AS FINAL GRADES ARE REACHED AND ON SOIL STOCKPILES AND DISTURBED AREAS TO BE LEFT FOR LONGER THAN 7 DAYS.
- PERMANENT SEEDING: PERMANENT SEEDING PREVENTS SOIL EROSION FROM BARE SOIL. ONCE FINAL GRADING OF AN AREA HAS BEEN COMPLETED, SEEDING SHALL TAKE PLACE IMMEDIATELY.
- A CONSTRUCTION ENTRANCE WILL BE REQUIRED TO BE CONSTRUCTED AT THE ENTRANCE TO THE STAGING AREA. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- STONE CHECK DAMS: UNTIL SUCH TIME AS FINAL SITE STABILIZATION IS COMPLETED, DITCHES SHALL RECEIVE TREATMENT WITH STONE CHECK DAMS TO EFFECTIVELY TRAP SEDIMENT AND MINIMIZE ITS RELEASE OFF-SITE. STONE CHECK DAMS SHALL BE CONSTRUCTED WITHIN EACH DITCH BEGINNING AT ITS DOWNSTREAM TERMINUS AND SHOULD BE PLACED AT INTERVALS INDICATED ON THE DRAWINGS.
- STOCKPILING: TOPSOIL AND FILL THAT IS TO REMAIN STOCKPILED ON-SITE FOR PERIODS GREATER THAN 7 DAYS SHALL BE STABILIZED BY SEEDING. PERIMETER STRAWBALES PER DETAILS ARE TO BE INSTALLED IMMEDIATELY. PRIOR TO THE SEEDING OPERATION, THE STOCKPILED MATERIAL SHALL BE GRADED AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION AND MULCH ANCHORING. IN NO CASE SHALL ERODIBLE MATERIALS BE STOCKPILED WITHIN 25 FEET OF ANY DITCH, STREAM, OR OTHER SURFACE WATER BODY.

4. EROSION AND SEDIMENT CONTROL PRACTICE LOCATION & SIZING

REFER TO DRAWINGS M-110 TO M-121 FOR THE LOCATION(S), SIZE(S) AND LENGTH(S) OF EROSION AND SEDIMENT CONTROL PRACTICES.

5. DIMENSIONS, MATERIAL SPECIFICATIONS, AND INSTALLATION DETAILS OF EROSION AND SEDIMENT CONTROL PRACTICES

REFER TO DRAWINGS M-508 THROUGH M-511 AND THE PROJECT MANUAL FOR DIMENSIONS, MATERIAL SPECIFICATIONS AND INSTALLATION DETAILS OF EROSION AND SEDIMENT CONTROL PRACTICES.

FOR CONSTRUCTION SITES WHERE SOIL DISTURBANCE ACTIVITIES HAVE BEEN TEMPORARILY SUSPENDED (E.G. WINTER SHUTDOWN) AND TEMPORARY STABILIZATION MEASURES HAVE BEEN APPLIED TO ALL DISTURBED AREAS, THE FREQUENCY OF "QUALIFIED INSPECTOR" INSPECTIONS CAN BE REDUCED TO ONCE EVERY 30 CALENDAR DAYS. PRIOR TO REDUCING INSPECTION FREQUENCY, THE DIRECTORS REPRESENTATIVE SHALL NOTIFY NYSDEC REGION 4 STORMWATER OFFICER IN WRITING.

III. EROSION AND SEDIMENT CONTROL PRACTICES

PRACTICE	INITIAL PLACEMENT	DURATION OF USE
STRAWBALES	PRIOR TO CONSTRUCTION ACTIVITIES	UNTIL SITE STABILIZATION
STORM INLET PROTECTION	PRIOR TO CONSTRUCTION ACTIVITIES	UNTIL SITE STABILIZATION
TEMPORARY SEEDING	BARE EARTH & SOIL STOCK PILES TO BE INACTIVE FOR 7 DAYS OR LONGER	UNTIL FINAL GRADING & SEEDING OR USE OF STOCK PILE
DUST CONTROL	COMMENCEMENT OF CONSTRUCTION ACTIVITIES	UNTIL SITE STABILIZATION

ALL ABOVE MEASURES ARE TEMPORARY. REFER TO PROJECT SWPPP FOR MAINTENANCE SCHEDULE AND AT WHAT POINT EACH MEASURE MAY BE REMOVED.

IV. EROSION AND SEDIMENT CONTROL AND STORM WATER CONTROL DEVICE MAINTENANCE

1. CONSTRUCTION DURATION

ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSPECTED WEEKLY.

- STRAWBALES SHALL BE REPLACED WHEN BECOMING DEFORMED, LOSING HAY OR NO LONGER MEETING THE INSTALLATION DETAILS.
- DRAINAGE STRUCTURES AND PIPING SHALL BE CHECKED FOR CLOGGING AND SEDIMENT ACCUMULATION AND CLEANED IF REQUIRED.

2. PROJECT COMPLETION

AT PROJECT COMPLETION AND PRIOR TO PROJECT CLOSE OUT, INSPECT ALL PERMANENT EROSION AND SEDIMENT CONTROL AND STORM WATER MANAGEMENT PRACTICES.

- ACCEPTABLE VEGETATION ESTABLISHMENT IN ACCORDANCE WITH SPECIFICATION SECTION 329219.
- DRAINAGE STRUCTURES AND PIPING SHALL BE CHECKED FOR SEDIMENT ACCUMULATION AND CLEANED AS NEEDED.

3. GENERAL NOTES:

- ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE IN STRICT COMPLIANCE WITH THE "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL," CURRENT EDITION.
- THE LIMITS OF DISTURBANCE FOR ANY PROPOSED SITE CLEARING OR GRADING SHALL BE ESTABLISHED PRIOR TO COMMENCEMENT OF WORK.
- INSTALL STABILIZED CONSTRUCTION ENTRANCE.
- INSTALL SEDIMENT BARRIERS, TRAPS AND OUTLET PROTECTION. INSTALL ADDITIONAL TRAPS AND BARRIERS AS NEEDED DURING GRADING OPERATIONS.
- INSTALL RUNOFF CONTROL MEASURES (OVERSIONS, OUTLET PROTECTION, ETC.) AND ADDITIONAL RUNOFF CONTROL MEASURES AS NEEDED DURING GRADING.
- CLEAR AND GRADE THE PROPOSED AREA OF DISTURBANCE.
- THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES THROUGHOUT THE COURSE OF CONSTRUCTION.
- WHEN ALL DISTURBED AREAS ARE STABLE, ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED.

9. THE EROSION CONTROL MEASURES DEPICTED ON THESE PLANS ARE THE MINIMUM REQUIRED. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING ALL GENERAL AND PARTICULAR MEASURES DEEMED NECESSARY BY THE OWNER'S FIELD REPRESENTATIVES.

10. DAMAGE TO SURFACE WATERS RESULTING FROM EROSION AND SEDIMENTATION SHALL BE MINIMIZED BY STABILIZING DISTURBED AREAS AND BY REMOVING SEDIMENT FROM CONSTRUCTION SITE DISCHARGES.

11. SITE PREPARATION ACTIVITIES SHALL BE PLANNED TO MINIMIZE THE SCOPE AND DURATION OF SOIL DISRUPTION.

12. PERMANENT TRAFFIC CORRIDORS SHALL BE ESTABLISHED AND "ROUTES OF CONVENIENCE" SHALL BE AVOIDED. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT A POINT OF ENTRY AND EXIT TO THE PROJECT SITE, IF REQUIRED.

13. ROUGH GRADING AND/OR FINAL GRADE PREPARATION FOR TOPSOIL PLACEMENT SHALL ALLOW FOR THE DEPTH OF TOPSOIL TO BE ADDED.

14. TOPSOIL SHALL BE DISTURBED TO A UNIFORM DEPTH OVER THE APPLICATION AREA. IT SHALL NOT BE PLACED WHEN IT IS PARTLY FROZEN, MUDDY, ON FROZEN SLOPES OR OVER ICE, SNOW OR STANDING WATER.

15. TOPSOIL PLACED AND GRADED ON SLOPES STEEPER THAN 5% SHALL BE PROMPTLY FERTILIZED, SEEDDED, MULCHED AND STABILIZED BY "TRACKING" WITH SUITABLE EQUIPMENT.

16. PRIOR TO TOPSOIL PLACEMENT, REMOVE REFUSE, WOODY PLANT PARTS, STONES OVER 3" IN DIAMETER AND OTHER LITTER.

17. SCARIFY ALL COMPACT, SLOWLY PERMEABLE, MEDIUM AND FINE-TEXTURED SUBSOIL AREAS TO A DEPTH OF 3 INCHES. SCARIFY AT APPROXIMATELY RIGHT ANGLES TO THE SLOPE DIRECTION IN SOIL AREAS THAT ARE STEEPER THAN 5%. THIS APPLIES TO ALL EXPOSED SOILS ON THE SITE TO BE SEEDDED.

18. TOPSOIL SHALL BE PLACED AT A MINIMUM THICKNESS OF 4".

19. TOPSOIL SHALL BE STRIPPED AND STOCKPILED FOR REUSE.

4. CONSTRUCTION ENTRANCE NOTES:

1. STABILIZED CONSTRUCTION ENTRANCES UTILIZED DURING CONSTRUCTION SHALL BE MAINTAINED TO PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY SHALL BE CLEANED AND REMOVED IMMEDIATELY.

2. WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE THAT DRAINS INTO AN APPROVED SEDIMENT-TRAPPING DEVICE.

5. MATERIAL STOCKPILE NOTES:

1. EXISTING EXCESS TOPSOIL SHALL BE REMOVED AND STORED IN STOCKPILES. THE STOCKPILES SHALL BE SUFFICIENTLY REMOVED FROM ALL OTHER EXCAVATION AND/OR DISTURBANCE AREAS TO AVOID MIXING. SEDIMENT BARRIER IS TO BE INSTALLED AROUND TOPSOIL STOCKPILE AREAS.

2. EXCESS SOIL TO BE STOCKPILED WITHIN THE LIMITS OF SITE DISTURBANCE (IF IT IS NOT USED IMMEDIATELY FOR GRADING PURPOSES AND IF IT IS EXPECTED TO REMAIN FOR PERIODS LESS THAN THIRTY (30) DAYS) SHALL HAVE SEDIMENT BARRIERS CONSTRUCTED AROUND ALL STOCKPILES OF FILL, TOPSOIL AND EXCAVATED OVERBURDEN. SEDIMENT BARRIERS SHALL BE MAINTAINED IN GOOD CONDITION UNTIL SUCH TIME AS SAID STOCKPILES ARE REMOVED AND STOCKPILING AREAS ARE BROUGHT TO FINAL GRADE AND PERMANENTLY STABILIZED.

6. TOPSOIL MATERIALS:

1. TOPSOIL FURNISHED FROM AN OFF-SITE SOURCE SHALL BE BETTER THAN OR EQUAL TO THE QUALITY OF THE EXISTING SITE TOPSOIL.

7. PERMANENT VEGETATIVE COVER SPECIFICATIONS:

1. AS MUCH AS IS PRACTICAL, EXISTING VEGETATION SHALL BE PRESERVED, FOLLOWING THE COMPLETION OF CONSTRUCTION ACTIVITIES IN ANY PORTION OF THE SITE, PERMANENT VEGETATION SHALL BE ESTABLISHED ON ALL EXPOSED SOILS.

2. SITE PREPARATION:

- FERTILIZE SEEDDED AREAS, PER THE CONTRACT SPECIFICATIONS, OR APPLY 40 POUNDS OF NITROGEN PER 1000 SQ. FT., WHICHEVER IS MORE STRINGENT.
- INCORPORATE FERTILIZER INTO THE TOP 2" TO 4" OF TOPSOIL.
- SMOOTH AND FIRM THE SEEDDED AREA.
- SUBSEQUENT TO SEEDING, ALL DISTURBED AREAS SHALL BE STABILIZED BY APPLYING 1 - TON OF STRAW MULCH PER ACRE (50 POUNDS PER 1000 SF). STRAW MULCH SHALL BE ANCHORED BY APPLYING 750 POUNDS OF WOOD FIBER MULCH PER ACRE WITH A HYDROSEEDER.

3. SEEDING

- APPLY SEED UNIFORMLY BY CYCLONE SEEDER CULTI-PACKER OR HYDRO-SEEDER AT THE RATE INDICATED IN THE CONTRACT SPECIFICATIONS.
- IRRIGATE TO FULLY SATURATE SOIL LAYER, BUT DO NOT DISLODGE PLANTING SOIL.
- SEED BETWEEN APRIL 1ST AND MAY 15TH OR AUGUST 15TH AND OCTOBER 1ST, EXCEPT AS OTHERWISE APPROVED IN WRITING BY THE DIRECTOR.

4. SEED MIXTURES FOR USE ON LAWN AREAS (AREAS TO BE MAINTAINED):

ALTERNATIVE A
(SUNNY SITE)
25% CHEWING FESCUE
50% KENTUCKY BLUEGRASS
20% PERENNIAL RYEGRASS

5. SEED SHALL BE APPLIED AT A RATE OF 5 LBS PER 1000 SQ. FT.

6. IMMEDIATELY FOLLOWING COMPLETION OF CONSTRUCTION ACTIVITY IN ANY PORTION OF THE SITE, PERMANENT VEGETATION SHALL BE ESTABLISHED ON ALL EXPOSED SOILS. ALL DISTURBED AREAS SHALL BE SEEDDED AND MULCHED, AS SOON AS IS PRACTICAL FOLLOWING DISTURBANCE, TO STABILIZE BARE SOIL AND PROMOTE PROMPT RE-ESTABLISHMENT OF VEGETATION.

7. WATER SHALL BE APPLIED TO NEWLY SEEDDED AREAS AS NEEDED UNTIL GRASS COVER IS WELL ESTABLISHED. WATER SHALL BE APPLIED TO EXPOSED SOILS, AS NECESSARY, TO EFFECTIVELY CONTROL WIND EROSION OF THE PROJECT SITE.

8. PRUNE TREES ACCORDING TO THE NATIONAL ARBORIST ASSOCIATION'S "PRUNING STANDARDS FOR SHADE TREES."

9. ALL UNNECESSARY REMOVAL OF HEALTHY TREES SHALL BE AVOIDED, UNLESS OTHERWISE NOTED ON THE CONTRACT PLANS. MATERIALS SHALL NOT BE STORED, AND MACHINERY SHALL NOT BE OPERATED, WITHIN THE DRIP LINE OF TREES TO REMAIN.

8. DRAINAGE, EROSION AND SEDIMENT CONTROL MEASURES:

1. STORM DRAIN SEDIMENT FILTERS: PRIOR TO COMMENCEMENT OF CONSTRUCTION, STONE BAGS SHALL BE CONSTRUCTED AT EXISTING STORM DRAINS, AS REQUIRED. THEY SHALL BE MAINTAINED IN GOOD CONDITION UNTIL FINAL VEGETATIVE COVER IS WELL ESTABLISHED ON ALL DISTURBED AREAS UPSTREAM OF THE INLET.

2. DRAINAGE DITCH SEDIMENT FILTERS: UNTIL FINAL SITE STABILIZATION IS COMPLETED, DITCHES SHALL RECEIVE TREATMENT WITH STONE WEIRS OR PREFABRICATED CHECK DAMS TO EFFECTIVELY TRAP SEDIMENT AND MINIMIZE ITS RELEASE OFF SITE. STONE CHECK DAMS SHALL BE CONSTRUCTED WITHIN EACH DITCH BEGINNING AT ITS DOWNSTREAM TERMINUS AND SHOULD BE PLACED AT INTERVALS OF LESS THAN 100'-0".

9. LITTER AND CONSTRUCTION DEBRIS CONTROL MEASURES:

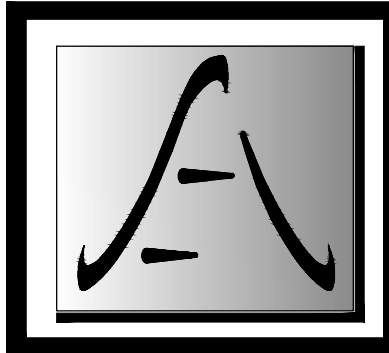
THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH THE FOLLOWING LITTER AND CONSTRUCTION DEBRIS CONTROL MEASURES:

- THE CONTRACTOR SHALL DISPOSE OF ALL CONSTRUCTION DEBRIS AT AN OFF-SITE FACILITY APPROVED FOR THE TYPE OF MATERIAL GENERATED AT THE SITE.
- NO BURNING OR BURY PITS WILL BE PERMITTED ON SITE.
- TEMPORARY STORAGE CONTAINERS SHALL BE PROVIDED, AS NECESSARY, TO CONTROL LITTER AND CONSTRUCTION DEBRIS FROM ENTERING ON-SITE STORMWATER DISCHARGES.
- PRIOR TO LEAVING THE SITE EACH DAY, THE CONTRACTOR SHALL INSPECT THE PROJECT SITE AND PLACE ALL LITTER AND CONSTRUCTION DEBRIS IN APPROPRIATE STORAGE CONTAINERS.
- ADDITIONAL REQUIREMENTS:

1. CONTRACTOR IS PROHIBITED FROM USING ANY SILT FENCE, CONSTRUCTION FENCE OR STAKES WITHIN THE CONFINES OF THE FENCED CORRECTIONAL FACILITY.

DESIGN & CONSTRUCTION

CONSULTANT



SAGE ENGINEERING
ASSOCIATES, LLP



WARNING:

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CONTRACT:

HVAC

TITLE:

REHABILITATE EXTERIOR
HEATING SYSTEM STANCHION
SUPPORTS

LOCATION:

GOVERNEUR CORRECTIONAL FACILITY
SCOTCH SETTLEMENT ROAD
GOVERNEUR, NY

CLIENT:

DEPARTMENT OF CORRECTIONS
AND COMMUNITY SUPERVISION

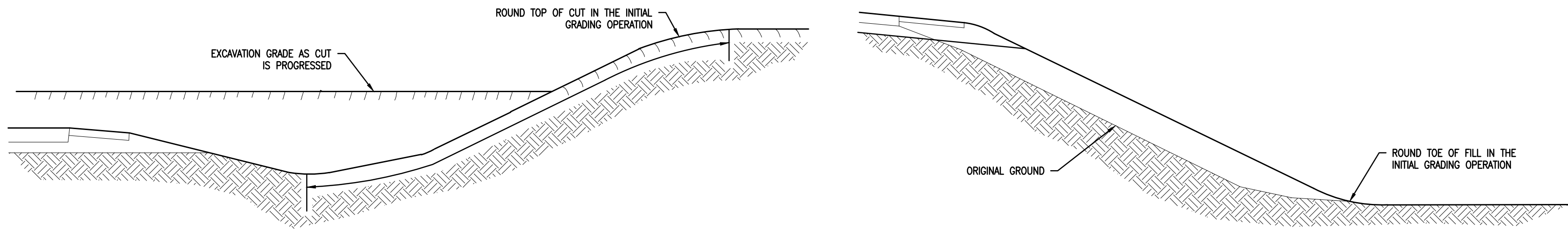
	3/10/2020	BID DOCUMENT
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	M3108 - H	
DESIGNED BY:	ASF	
DRAWN BY:	ASF	
FIELD CHECK:	VPD	
APPROVED:	MCO	

SHEET TITLE:

EROSION AND SEDIMENT
CONTROL NOTES

DRAWING NUMBER:

M-502



CUT SLOPES

FILL SLOPES

SLOPE PROTECTION NOTES:

- ALL SLOPES SHALL BE BROUGHT TO FINISHED GRADE AND TRIMMED AS SOON AS POSSIBLE.
- PERMANENT EROSION CONTROL MEASURES OF SEEDING AND MULCHING (SEE ONLY WITHIN SEEDING DATES) SHALL BE CARRIED OUT ONCE THE SLOPES HAVE REACHED FINAL GRADE. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN IN THE TEMPORARY SLOPE TREATMENT TABLE SHALL BE EMPLOYED AS INDICATED OR IN THE TEMPORARY MULCH NOTE.
- IF THE DITCH CANNOT BE COMPLETED BECAUSE PAVING IS REQUIRED OR FOR OTHER REASONS, THEN THE EROSION CONTROL MEASURES SHOULD BE COMPLETED TO THE TOP OF THE DITCH BACKSLOPE.
- FOR ADDITIONAL TEMPORARY AND PERMANENT EROSION CONTROL INFORMATION, REFER TO THE EROSION CONTROL PLANS.

MAINTENANCE OF SLOPE PROTECTION NOTES:

- MAINTENANCE OF MULCHED AREAS SHALL INCLUDE RE-MULCHING OF AREAS IN WHICH SOIL BECOMES EXPOSED TO VIEW, ANY AREAS THAT BECOME SETTLED OR GULLED DURING MULCHING OPERATIONS SHALL BE REPAIRED WITHIN 3 DAYS OR THE ONSET OF INCLEMENT WEATHER.
- MULCH ANCHORAGE (TACK) SHALL BE APPLIED TO HOLD MULCH IN PLACE.
- MAINTENANCE OF TEMPORARY SEEDED AREAS SHALL INCLUDE RE-SEEDING AS NEEDED (OR ABOVE) TO ESTABLISH A SATISFACTORY STAND OF TURF. THE COST OF RESEEDING SHALL BE AT THE CONTRACTORS EXPENSE.
- ALL TEMPORARY TREATMENT SHALL BE MAINTAINED THROUGHOUT THE LIFE OF THE EROSION CONTROL MEASURE.
- MAINTENANCE OF ROLLED EROSION CONTROL PRODUCT SHALL INCLUDE RE-GRADING OF AREAS THAT BECOME SETTLED OR GULLED DURING INSTALLATION. ANY EDGES THAT BECOME LOOSE OR EXPOSED SHALL BE RE-INSTALLED.

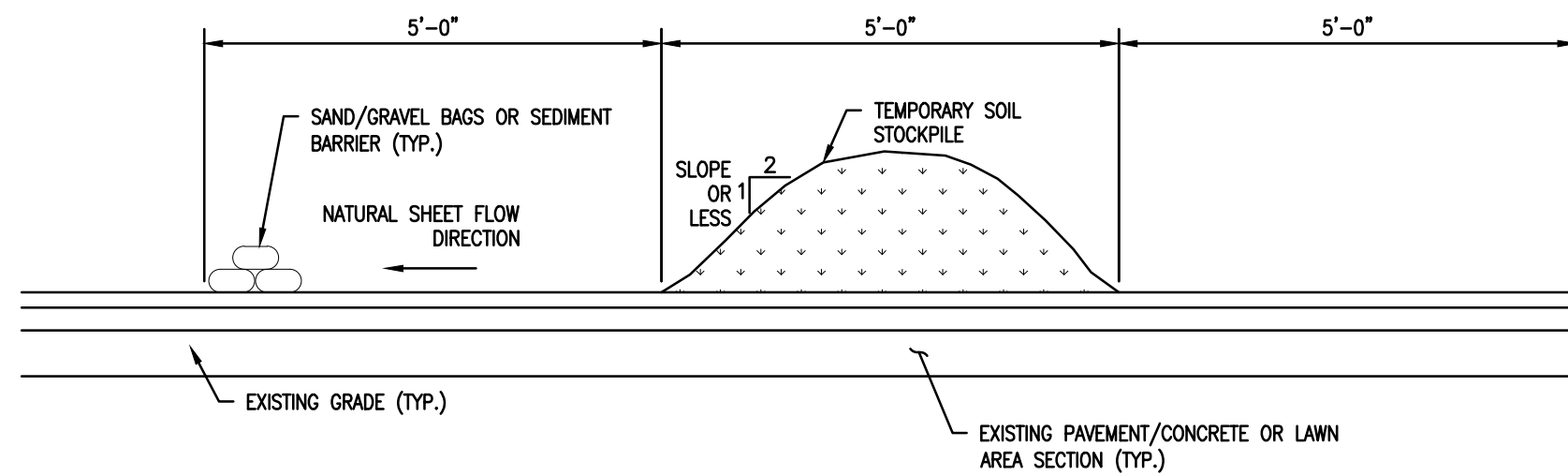
TEMPORARY MULCH

- THE CONTRACTOR'S ATTENTION IS ALERTED TO THE ADDED REQUIREMENTS AND STIPULATIONS OF THIS ITEM. THE RELATED WORK OF INSTALLING MULCH INCLUDES BEING ABLE TO PROVIDE A QUALITY MULCH COVER, AND SPREAD IN A UNIFORM LAYER TO PROTECT THE EXISTING SOIL LAYER. MULCHING OF AREAS LARGER THAN 33 SQUARE FEET MUST BE COMPLETED USING MECHANICAL SPREADERS OR BLOWERS, AND TACKING OF THE MULCH WILL BE REQUIRED.
 - THE CONTRACTOR SHALL HAVE THE CAPABILITY TO MULCH ANY DISTURBED AREAS ON ANY GIVEN DAY (E.G. THOSE AREAS WHERE EARTHWORK OPERATIONS ARE ONGOING, ETC.). THE ENGINEER IN CHARGE SHALL DIRECT THE CONTRACTOR TO LIMIT THE AREA OF CLEARING AND GRUBBING, EXCAVATION, BORROW, AND EMBANKMENT OPERATIONS IN PROGRESS, COMMENSURATE WITH THEIR CAPABILITY AND PROGRESS IN KEEPING THE FINISH GRADING, MULCHING, SEEDING AND OTHER TEMPORARY AND/OR PERMANENT CONTROL MEASURES CURRENT. THIS SAME LIMITATION SHALL APPLY TO EACH BORROW OR FILL AND ERODIBLE HAUL ROADS.
 - UNDER NO CONDITION SHALL ANY AREA OF UNPROTECTED ERODIBLE EARTH MATERIAL EXPOSED BY CLEARING AND GRUBBING, EXCAVATION, BORROW, FILL, OR OTHER WORK WITHIN THE WORK AREA BE LEFT IN AN UNPROTECTED CONDITION. ANY PORTION OF AN AREA ON WHICH CLEARING AND GRUBBING, EXCAVATION, BORROW, FILL, OR OTHER WORK WITHIN THE WORK AREA HAD PERMANENTLY CEASED SHALL BE STABILIZED BY EITHER TEMPORARY OR PERMANENT MEANS. THE CONTRACTOR WILL ALSO BE AWARE OF IMPENDING WEATHER CONDITIONS AND THE NEED TO APPLY MULCH ON AREAS THAT WORK IS PROGRESSING.
 - THE CONTRACTOR MUST CONTINUALLY BE PREPARED TO REPAIR AND REMULCH DISTURBED SOIL AREAS TO PROVIDE NECESSARY COVERAGE TO LOCATIONS THAT HAVE BEEN DAMAGED BY STORMS OR EQUIPMENT. SHOULD THE ENGINEER DETERMINE THAT AT ANY TIME THAT THE MULCH HAS NOT STABILIZED THE PROJECT AREA, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMULCHING AND ALL ADDITIONAL WORK NECESSARY TO CORRECT THE PROBLEM AND SHALL BE AT THE CONTRACTORS EXPENSE. THIS WORK WILL BE REQUIRED FOR ALL AREAS ASSOCIATED WITH THE PROJECT AND WITHIN THE PROJECT LIMITS. THE CONTRACTOR WILL BE RESPONSIBLE TO MAINTAIN THE SAME STANDARDS FOR ALL OFF SITE AREAS ASSOCIATED WITH THE PROJECT. THE COST OF THAT WORK SHALL BE DONE AT THE CONTRACTORS EXPENSE.
- MULCHING IS THE PRIMARY EROSION PREVENTION METHOD TO BE USED, AND WAS INCLUDED IN THIS PROJECT TO SATISFY THE REQUIREMENTS IN THE STANDARD SPECIFICATIONS, LAWS, REGULATIONS AND/OR OTHER PERMIT CONDITIONS NEEDED TO COMPLETE THE WORK PROPOSED IN THIS PROJECT. MULCHING PLAYS A MAJOR ROLE IN MAINTAINING THE WATER QUALITY OF WATER BODIES AND WETLANDS. MULCH SHALL BE APPLIED AT A RATE OF APPROXIMATELY 2 TONS/ACRE AND SHOULD CONSIST OF HIGH QUALITY HAY OR STRAW PRODUCTS. THE USE OF HAY PRODUCTS CONTAMINATED WITH NOXIOUS WEEDS SUCH AS PHRAGMITES, PURPLE LOOSESTRIPE, CATTAILS OR OTHER INVASIVE SPECIES OF PLANT MATERIALS SHALL NOT BE USED.
 - THE CONTRACTOR SHALL DESIGNATE TO THE ENGINEER AN EROSION AND SEDIMENT CONTROL SUPERVISOR WITH ADEQUATE TRAINING, EXPERIENCE, AND AUTHORITY TO IMPLEMENT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES. THIS INDIVIDUAL WILL BE RESPONSIBLE FOR MONITORING IMPENDING WEATHER CONDITIONS THAT MAY HAVE AN EFFECT ON DAILY CONSTRUCTION OPERATIONS AND THE NEED TO PROVIDE THE REQUIRED EROSION AND SEDIMENT CONTROLS.

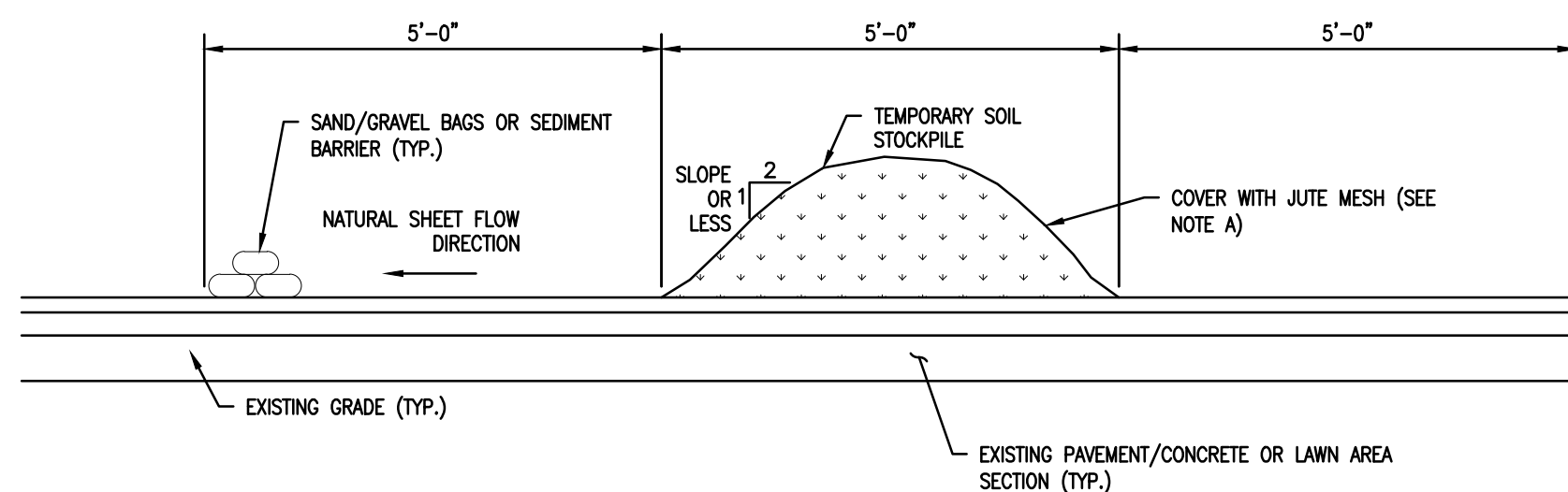
TEMPORARY SLOPE TREATMENT TABLE		
PROTECTION NOTES		
CRITERIA	FLAT SLOPES LESS THAN 1 ON 3	STEEP SLOPES 1 ON 3 OR STEEPER
#1 PRIOR TO ANY ANTICIPATED PRECIPITATION	TEMPORARY MULCH	TEMPORARY MULCH
#2 NO WORK ON SLOPES FOR UP TO 3-7 CONSECUTIVE DAYS	TEMPORARY MULCH	TEMPORARY MULCH
#3 NO WORK ON SLOPES FOR 7-60 DAYS	TEMPORARY SEED AND MULCH	TEMPORARY SEED AND MULCH AND JUTE MESH OR OTHER APPROVED ROLLED EROSION CONTROL PRODUCT
#4 OVER 60 DAYS (WINTER OVER)	TEMPORARY SEED AND MULCH AND JUTE MESH	TEMPORARY SEED AND MULCH AND CLASS II TYPE B, OR OTHER APPROVED ROLLED EROSION CONTROL PRODUCT.

1 TEMPORARY SEEDING AND MULCHING GUIDES

SCALE: NONE



A. OUTSIDE FACILITY



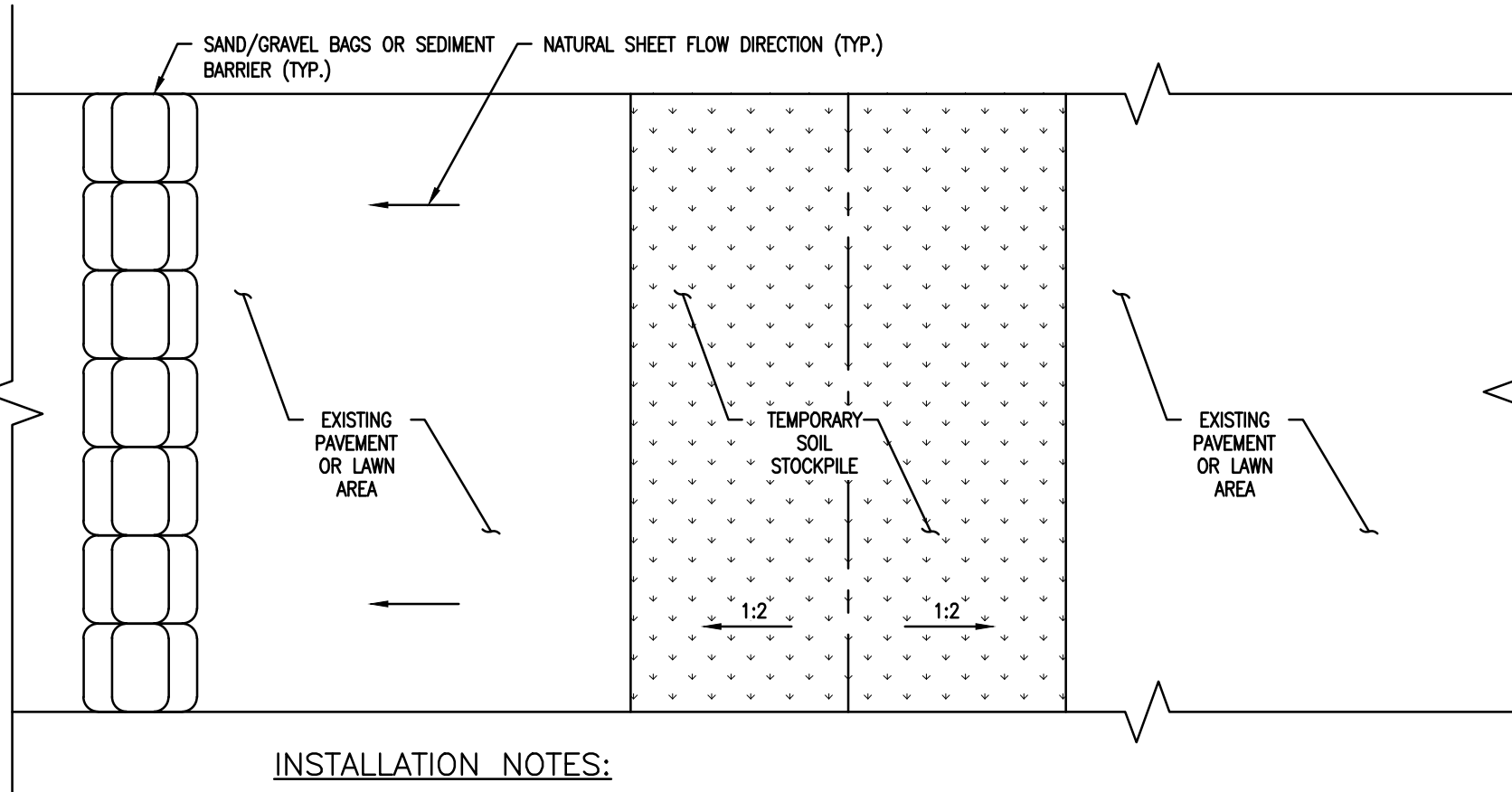
B. INSIDE FACILITY

NOTES:

- CONTRACTOR TO PLACE JUTE MESH OVER TEMPORARY SOIL STOCKPILE WITHIN LIMITS OF CORRECTIONAL FACILITY WALLS. MAINTAIN MESH UNTIL PLACEMENT OF SOIL IS REQUIRED. UNDER NO CONDITION SHALL STAKES OR STAPLES BE USED TO HOLD DOWN JUTE MESH.

2 TYPICAL SOIL STOCK PILE DETAIL

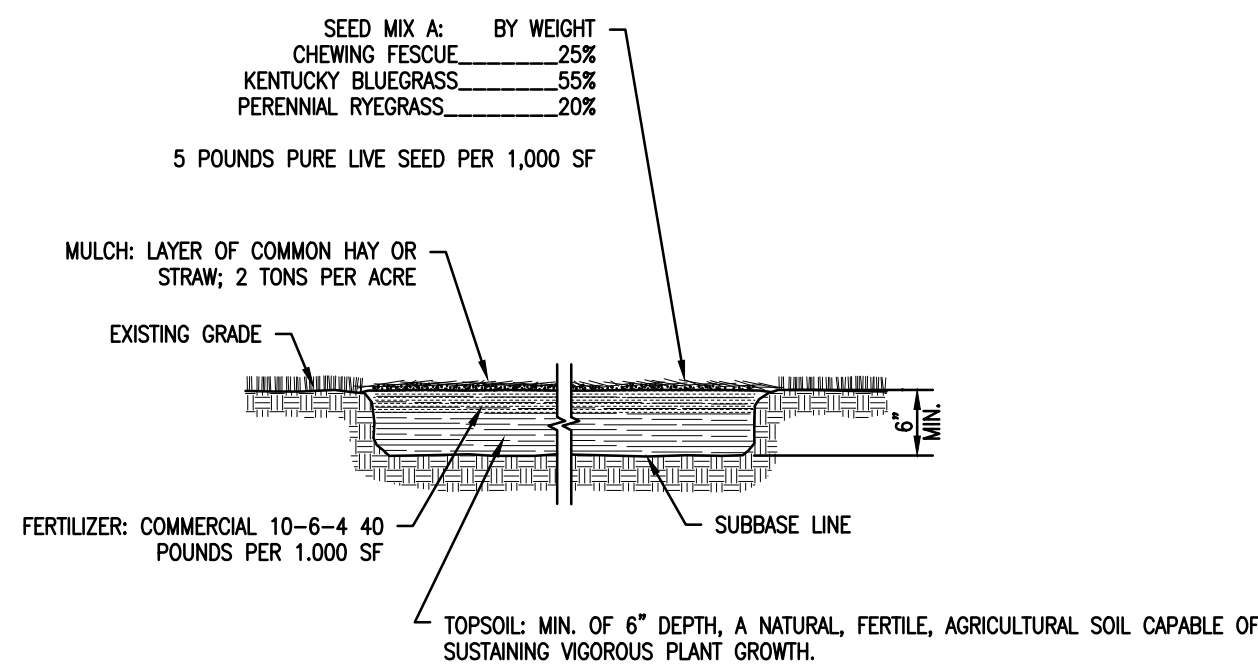
SCALE: NONE



INSTALLATION NOTES:

- AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
- MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
- UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SEDIMENT BARRIER OR SAND AND/OR GRAVEL BAGS, THEN STABILIZED WITH VEGETATION OR COVERED.
- SEDIMENT BARRIER OR GRAVEL BAGS TO BE INSTALLED AT THE DOWN STREAM END OF THE NATURAL SHEET FLOW DIRECTION.
- SEE SPECIFICATIONS FOR INSTALLATION OF SEDIMENT BARRIER.

SOIL RESTORATION TABLE				
TYPE OF SOIL DISTURBANCE		SOIL RESTORATION REQUIREMENT		COMMENTS/EXAMPLES
NO SOIL DISTURBANCE		RESTORATION NOT PERMITTED		PRESERVATION OF NATURAL FEATURES
MINIMAL SOIL DISTURBANCE		RESTORATION NOT REQUIRED		CLEARING AND GRUBBING
AREAS WHERE TOPSOIL IS STRIPPED ONLY – NO CHANGE IN GRADE		HSG A & B	HSG C & D	PROTECT AREA FROM ANY ONGOING CONSTRUCTION ACTIVITIES
		APPLY MIN. 4 INCHES OF TOPSOIL	AERATE* AND APPLY MIN. 4 INCHES OF TOPSOIL	
AREAS OF CUT OR FILL		HSG A & B	HSG C & D	
		AERATE AND APPLY MIN. 4 INCHES OF TOPSOIL	APPLY FULL SOIL RESTORATION**	
HEAVY TRAFFIC AREAS ON SITE (ESPECIALLY IN A ZONE 5–25 FEET AROUND BUILDINGS BUT NOT WITHIN A 5 FOOT PERIMETER AROUND FOUNDATION WALLS)		APPLY FULL SOIL RESTORATION (DECOMPACTION AND COMPOST ENHANCEMENT)		
REDEVELOPMENT PROJECTS		SOIL RESTORATION IS REQUIRED ON REDEVELOPMENT PROJECTS IN AREAS WHERE EXISTING IMPERVIOUS AREA WILL BE CONVERTED TO PERVIOUS AREA.		

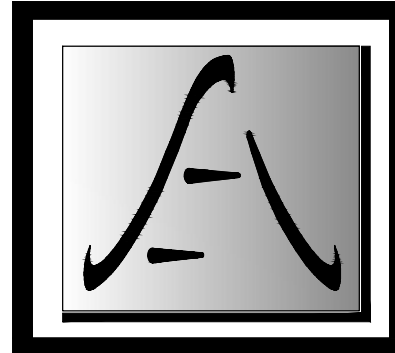


3 TOPSOIL, FERTILIZER, SEED & MULCH

SCALE: NONE

NOTES:

- CONSTRUCTION IS TO PROCEED IN ACCORDANCE WITH THE CONSTRUCTION PHASING SCHEDULE SUPPLIED BY THE CONTRACTOR OR SHOWN ON THE PLANS. ALL ELEMENTS OF EASEMENTS AND RIGHT-OF-WAY CONSTRUCTION ARE TO BE COMPLETED PRIOR TO BEGINNING THE NEXT CONSTRUCTION PHASE. THESE ELEMENTS INCLUDE ALL UTILITY INSTALLATION, THE BASE COURSE OF ASPHALT, PAVING, AND ESTABLISHING GRASSES ON ALL OTHER R.O.W. AREAS AND ANY OTHER AREAS DISTURBED BY ROADWAY CONSTRUCTION. FOR TIME FRAMES OUTSIDE THE GROWING SEASON, OTHER METHODS OF SOIL STABILIZATION (SUCH AS THE USE OF JUTE MESH AND EXCELSIOR MATTING) WILL BE USED UNTIL SUCH TIME AS GRASS CAN BE ESTABLISHED.
- IMMEDIATELY FOLLOWING THE COMPLETION OF CONSTRUCTION ACTIVITIES IN ANY PORTION OF THE SITE, PERMANENT VEGETATION SHALL BE ESTABLISHED ON ALL EXPOSED SOILS.
- IN SOME INSTANCES ESTABLISHING VEGETATION ON R.O.W. AREAS WILL BE NECESSARILY DELAYED WHILE CONSTRUCTION IS IN PROGRESS. DURING THESE TIMES SEDIMENT CONTROL MEASURES WILL BE EMPLOYED TO PREVENT SEDIMENT FROM LEAVING THE SITE. VEGETATION IS TO BE ESTABLISHED IN THESE AREAS AS SOON AS IT IS PRACTICAL.
- THE SEDIMENT CONTROL MEASURES DETAILED ON THIS SHEET SHALL BE IN PLACE PRIOR TO CONSTRUCTION START-UP FOR EACH CONSTRUCTION PHASE. THESE MEASURES CONSIST OF SEDIMENT BARRIERS, DRAINAGE DITCH SEDIMENT FILTERS, STORM DRAIN INLET FILTERS, AND STABILIZED CONSTRUCTION ENTRANCES. ONCE CONSTRUCTED, ALL MEASURES SHALL BE PROPERLY MAINTAINED AND/OR REPLACED AS NECESSARY, AND THEN REMOVED FROM THE SITE ONCE VEGETATION AND PAVEMENT ARE IN PLACE.
- TEMPORARY EROSION CONTROL PROTECTION BY MULCHING UNDER MUST BE CARRIED OUT AS THE FILL IS PROGRESSSED TO AVOID ALL POSSIBLE CONTAMINATION OF PONDS, STREAMS OR OTHER WATERCOURSES. PLACEMENT OF JUTE MESH OVER THE MULCH IS RECOMMENDED TO PROVIDE POSITIVE "TACKING" OF THE MULCH AND INCREASED PROTECTION AGAINST EROSION.
- THE FILL SLOPE SHOULD BE TRIMMED AND THE PERMANENT SEEDING AND MULCHING CARRIED OUT AS SOON AS THE SLOPE IS UP TO FINAL SUBGRADE. IF SEEDING DATES ARE SPECIFIED AND THE FILL IS TRIMMED "OUT OF SEEDING SEASON," MULCH THE SLOPE AS SPECIFIED IN THE SEEDING ITEM AND SEED ON TOP OF THE MULCH IN THE NEXT SEEDING SEASON. WHEN THE FILL CANNOT BE BROUGHT TO SUBGRADE OR THE FINAL TRIM CANNOT BE OBTAINED IN A REASONABLE LENGTH OF TIME, TEMPORARY EROSION CONTROL BY MULCHING WILL BE REQUIRED.
- WHEN 40' OF CUT SLOPE HAS BEEN COMPLETED, THE SLOPE SHOULD BE TRIMMED AND THE PERMANENT EROSION CONTROL MEASURES OF SEEDING AND MULCHING SHOULD BE CARRIED OUT. IF SEEDING DATES ARE SPECIFIED AND THE CUT IS TRIMMED "OUT OF SEASON," MULCH THE SLOPE AS SPECIFIED IN THE SEEDING ITEM AND SEED ON TOP OF THE MULCH IN THE NEXT SEEDING SEASON. THE REMAINING CUT SLOPE SHOULD BE TRIMMED AND PERMANENT SEEDING AND MULCHING DONE AS SOON AS THE FINAL GRADE IS REACHED.
- IF THE DITCH CANNOT BE COMPLETED BECAUSE PAVING IS REQUIRED OR OTHER REASONS, THE SEEDING AND MULCHING SHOULD BE COMPLETED TO THE TOP OF THE DITCH BACKSLOPE.
- THE SUBBASE MATERIAL (AND DITCH IF REQUIRED), SHOULD BE SEEDED AND MULCHED AS SOON AS THE SHOULDER IS COMPLETED UNLESS CRUSHED STONE OR SLAG IS USED.
- DAMAGE TO SURFACE WATERS RESULTING FROM EROSION AND SEDIMENTATION SHALL BE MINIMIZED BY STABILIZING DISTURBED AREAS AND BY REMOVING SEDIMENT FROM CONSTRUCTION SITE DISCHARGES.
- INsofar AS PRACTICABLE, EXISTING VEGETATION SHALL BE PRESERVED. SITE PREPARATION ACTIVITIES SHALL BE PLANNED TO MINIMIZE THE AREA AND DURATION OF SOIL DISRUPTION. ALL HEALTHY TREES OF DESIRABLE SPECIES ARE TO BE PROTECTED FROM DAMAGE. ALL UNNECESSARY REMOVAL OF HEALTHY TREES SHALL BE AVOIDED.
- PERMANENT TRAFFIC CORRIDORS SHALL BE ESTABLISHED AND "ROUTES OF CONVENIENCE" SHALL BE AVOIDED. CONSTRUCTION TRAFFIC SHALL NOT CROSS STREAMS OR DITCHES EXCEPT AT SUITABLE CROSSING FACILITIES, AND SHALL NOT OPERATE UNNECESSARILY WITHIN WATERWAYS OR DRAINAGE DITCHES.
- TOPSOIL AND FILL THAT IS TO REMAIN STOCKPILED ON-SITE FOR PERIODS GREATER THAN 30 DAYS SHALL BE STABILIZED BY SEEDING. PRIOR TO THE SEEDING OPERATION, THE STOCKPILED MATERIAL SHALL BE GRADED AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDING PREPARATION, SEEDING MULCH APPLICATION, AND MULCH ANCHORING. IN NO CASE SHALL ERODIBLE MATERIALS BE STOCKPILED WITHIN 25 FT OF ANY DITCH, STREAM, OR OTHER SURFACE WATER.
- IMMEDIATELY FOLLOWING COMPLETION OF ANY AND ALL OF THE PROPOSED STORM DRAIN INLETS, STORM DRAIN INLET GRAVEL BAG FILTERS SHALL BE CONSTRUCTED. THE GRAVEL BAG FILTERS SHALL FUNCTION TO PREVENT SEDIMENT ENTRANCE TO THE STORM DRAINS. THEY SHALL BE MAINTAINED IN GOOD CONDITION UNTIL FINAL VEGETATIVE COVER IS WELL ESTABLISHED.
- GRAVEL BAG BERMS SHALL BE CONSTRUCTED AROUND ALL STOCKPILES OF FILL, TOPSOIL AND EXCAVATED OVER BURDEN THAT ARE TO REMAIN EXPOSED FOR PERIODS LESS THAN 30 DAYS. BERMS SHALL BE MAINTAINED IN GOOD CONDITION UNTIL SUCH TIME AS SAID STOCKPILES ARE REMOVED AND STOCKPILING AREAS ARE BROUGHT TO FINAL GRADE AND PERMANENTLY STABILIZED.



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CONTRACT: HVAC

TITLE: REHABILITATE EXTERIOR HEATING SYSTEM STANCHION SUPPORTS

LOCATION: GOUVERNEUR CORRECTIONAL FACILITY
SCOTCH SETTLEMENT ROAD
GOUVERNEUR, NY

CLIENT: DEPARTMENT OF CORRECTIONS
AND COMMUNITY SUPERVISION

3/10/2020 BID DOCUMENT

MARK DATE DESCRIPTION

PROJECT NUMBER: M3108 - H

DESIGNED BY: ASF

DRAWN BY: ASF

FIELD CHECK: VPD

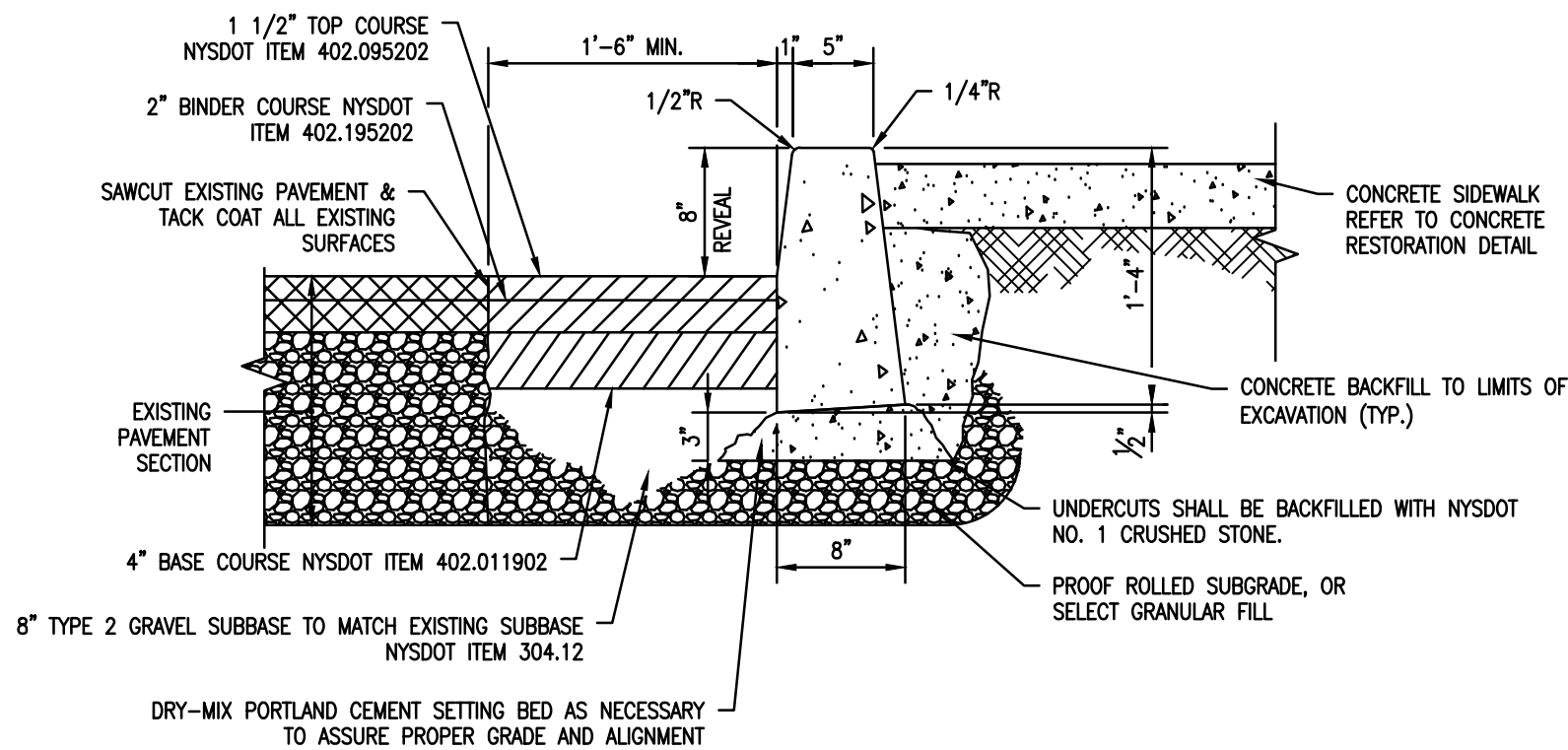
APPROVED: MCO

SHEET TITLE:

EROSION AND SEDIMENT CONTROL DETAILS

DRAWING NUMBER:

M-504

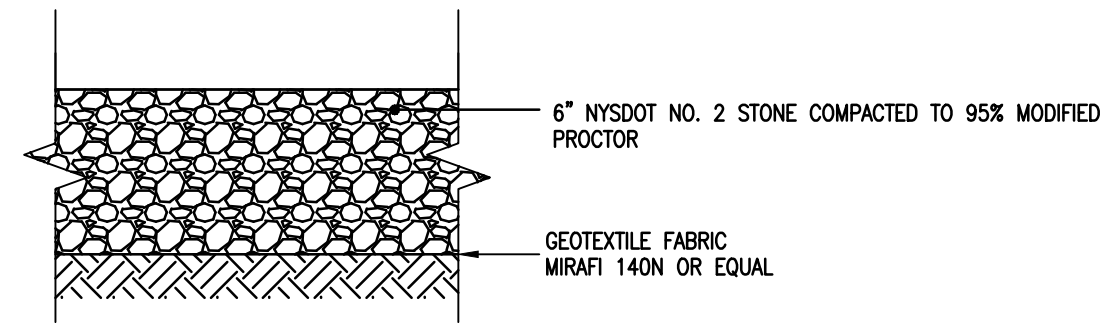


NOTES:

1. FIELD VERIFY ALL THICKNESSES TO MATCH EXISTING.
2. FURNISH, PLACE AND COMPACT SUBBASE.
3. TACK COAT IN ACCORDANCE WITH NYSDOT STANDARD SPECIFICATIONS
4. PRE-CAST CURB TO BE INSTALLED IN ACCORDANCE WITH NYSDOT STANDARD SPECIFICATION SECTION 609.
5. CAST-IN-PLACE CONCRETE CURB MAY BE SUBSTITUTED WHEN ALTERNATIVE CONSTRUCTION DETAILS ARE SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. ALTERNATE CURB SHALL BE INSTALLED IN ACCORDANCE WITH NYSDOT SPEC SECTION 609.

1
M-505

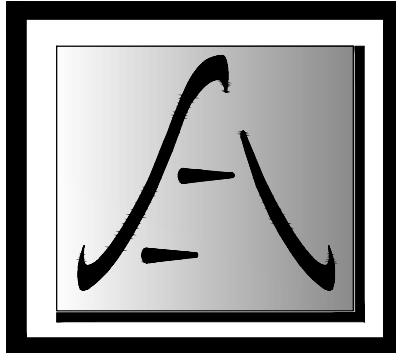
PAVEMENT/CURB RESTORATION DETAIL
SCALE: NONE



2
M-505

TEMP. GRAVEL ACCESS DRIVE DETAIL
SCALE: NONE

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CONTRACT:

HVAC

TITLE:

REHABILITATE EXTERIOR
HEATING SYSTEM STANCHION
SUPPORTS

LOCATION:

GOUVERNEUR CORRECTIONAL FACILITY
SCOTCH SETTLEMENT ROAD
GOUVERNEUR, NY

CLIENT:

DEPARTMENT OF CORRECTIONS
AND COMMUNITY SUPERVISION

3/10/2020 BID DOCUMENT

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PROJECT
NUMBER: **M3108 - H**

DESIGNED BY: ASF

DRAWN BY: ASF

FIELD CHECK: VPD

APPROVED: MCO

SHEET TITLE:

SITE DETAILS

DRAWING NUMBER:

M-505

SHEET 24 OF 45

STRUCTURAL DESIGN DATA

GENERAL DATA

BUILDING CODE 2017 NYS-UC
RISK CATEGORY III

DEAD LOADS

PIPING (SCH 40 WITH WATER AND INSULATION)

10" DIAMETER PIPE 80 LB/FT
4" DIAMETER PIPE 22 LB/FT

PIPING ICE LOAD

10" DIAMETER PIPE 70 LB/FT
4" DIAMETER PIPE 48 LB/FT

SNOW LOADS

GROUND SNOW LOAD 60 PSF
FLAT ROOF SNOW LOAD 56 PSF
EXPOSURE FACTOR 1.0
IMPORTANCE FACTOR 1.1
THERMAL FACTOR 1.2
MAX DRIFT LOAD NA

WIND LOADS

DESIGN METHOD SIMPLIFIED
BASIC WIND SPEED (3 SECOND GUST) 120 MPH
IMPORTANCE FACTOR 1.00
EXPOSURE CATEGORY C
INTERNAL PRESSURE COEFFICIENT 0.18 ±

WIND LOAD ON COMPONENTS AND CLADDING EFFECTIVE WIND AREA 20 SF

COMPONENT LOCATION

TYPICAL ROOF -ZONE 1 +16 PSF/-25 PSF
ROOF PERIMETER -ZONE 2 +16 PSF/-39 PSF
ROOF CORNER -ZONE 3 +16 PSF/-54 PSF
ROOF OVERHANG -ZONE 2 +16 PSF/-37 PSF
TYPICAL WALL -ZONE 4 +25 PSF/-27 PSF
WALL CORNER -ZONE 5 +25 PSF/-32 PSF

SEISMIC LOADS

RISK CATEGORY III
IMPORTANCE FACTOR (STRUCTURAL COMPONENTS) 1.25
MAPPED SHORT-PERIOD ACCELERATION Ss 0.289 g
MAPPED ONE-SECOND PERIOD ACCELERATION S1 0.093 g
SITE CLASS E
SHORT-PERIOD DESIGN ACCELERATION Sds 0.458 g
ONE-SECOND PERIOD DESIGN ACCELERATION, Sd1 0.217 g

SEISMIC DESIGN CATEGORY C
SEISMIC FORCE RESISTING SYSTEM NON-BUILDING STRUCTURES - WELDED STEEL

RESPONSE MODIFICATION FACTOR, R 2
DESIGN BASE SHEAR 2 KIP
SEISMIC RESPONSE COEFFICIENT, Cs 0.286
ANALYSIS PROCEDURE EQUIVALENT LATERAL FORCE

GEOTECHNICAL

DRILLED SHAFT FOUNDATION

SOIL ANGLE OF INTERNAL FRICTION 20 DEGREES
SOIL UNIT WEIGHT 115 PCF
COEFFICIENT OF PASSIVE SOIL PRESSURE 2.1
ALLOWABLE END BEARING PRESSURE 3000 PSF

ICE LOADS

NOMINAL (MAPPED) ICE THICKNESS 1.25 IN
IMPORTANCE FACTOR 1.25
ICE WIND SPEED (3 SECOND GUST) 50 MPH
DESIGN ICE THICKNESS 3.0 IN

DEFLECTION AND VIBRATION CRITERIA

MEMBERS SUPPORTING PIPING LESSER OF SPAN/600 OR 1.0 IN

STRUCTURAL MATERIAL STRENGTHS/ SPECIFICATIONS

EARTHWORK

• COMPACTION 95% STANDARD PROCTOR

CONCRETE

• FOOTINGS f'c = 4,000 psi
• GRADE BEAMS, PIERS f'c = 4,000 psi
• SLUMP 5 IN MAX W/ OUT WATER REDUCING ADMIXTURES

• AIR ENTRAINMENT 5-7%
• COURSE AGGREGATE
o ASTM C33 TYPE 57 AND TYPE 8 BLENDED AS FOLLOWS:
SIEVE SIZE PERCENT PASSING
1 INCH 95 TO 98.5
3/4 INCH 75 TO 84
1/2 INCH 25 TO 50
1/8 INCH 10 TO 25
No. 4 0 TO 10

• REINFORCING STEEL ASTM A 615, GRADE 60
• WELDED WIRE FABRIC ASTM A 185
• WORKMANSHIP/ QA ACI 301, ACI 305R, ACI306R

STEEL

• WIDE FLANGE BEAMS ASTM A 992
• OTHER SHAPES, PLATES ASTM A 36
• HSS (TUBES) ASTM A 500 GRADE B
• PIPE ASTM A 53, GRADE B
• ANCHOR BOLTS ASTM A 36, F1554
• STRUCTURAL BOLTS ASTM A 325
• WELDING ELECTRODES AWS E 70XX
• POST-INSTALLED FASTENERS HILTI KWIK BOLT TZ
POWERS FASTENER POWER-STUD
SIMPSON STRONG-BOLT

GENERAL NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE SITE BEFORE ORDERING ANY MATERIALS AND BEGINNING ANY WORK. THE CONTRACTOR SHALL FIELD SURVEY AND ESTABLISH THE EXISTING BUILDING DIMENSIONS WHERE NEW CONSTRUCTION ADJUTS EXISTING BUILDINGS. THIS FIELD SURVEY SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING: DIMENSIONS OF EXISTING BUILDING FACE INCLUDING ALL FENESTRATIONS, PROJECTIONS, ETC, PLUMBNESS OF WALLS, FLOOR AND ROOF ELEVATIONS, AND ALL OTHER PERTINENT DIMENSIONS. THIS FIELD SURVEY SHALL BE AVAILABLE FOR USE BY ALL CONTRACTORS AND SHALL BE SUBMITTED TO THE DIRECTOR'S REPRESENTATIVE FOR RECORD ONLY.

2. THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE CIVIL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS AND THE SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK AND COORDINATION INVOLVED TO PROVIDE ALL OPENINGS, SLEEVES, TO BE PLACED IN THE STRUCTURAL WORK AS INDICATED ON THE STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS. NOTE - NOT ALL OPENINGS ARE INDICATED ON THE STRUCTURAL DRAWINGS.

3. WHERE EXISTING CONDITIONS ARE SHOWN, THEY HAVE BEEN DERIVED FROM AVAILABLE DRAWINGS AND REPRESENT THE ENGINEER'S BEST ESTIMATE OF ACTUAL CONDITIONS. DEPICTED CONDITIONS HAVE NOT IN ALL CASES BEEN VERIFIED BY FIELD INVESTIGATION.

4. DETAILS LABELED "TYPICAL DETAILS" ON DRAWINGS APPLY TO SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY DETAILED. SUCH DETAILS APPLY WHETHER OR NOT DETAILS ARE REFERENCED AT EACH LOCATION. NOTIFY ENGINEER OF CLARIFICATIONS REGARDING APPLICABILITY OF "TYPICAL DETAILS".

5. THE CONTRACTOR SHALL PROVIDE TEMPORARY SHORING AND BRACING REQUIRED TO ERECT AND MAINTAIN THE STRUCTURE IN PROPER ALIGNMENT UNTIL PERMANENT SUPPORTS AND LATERAL BRACING ARE INSTALLED. WHERE WORK INVOLVES THE EXISTING STRUCTURE, THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SHORING, BRACING, AND PROTECTION REQUIRED TO INSURE THE STRUCTURAL INTEGRITY OF THE EXISTING BUILDING.

6. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION SAFETY.

7. CONTRACTOR IS TO REVIEW ALL DRAWINGS AND SPECIFICATIONS IN THE CONTRACT DOCUMENT SET.

SITE PREPARATION - STANCHION FOUNDATION NOTES

DRILLED SHAFTS / PIERS

1. ALL DRILLED SHAFTS / PIERS SHALL CONFORM TO THE REQUIREMENTS OF ACI 336.1-01, SPECIFICATION FOR THE CONSTRUCTION OF DRILLED PIERS AND ACI 336.3-R, DESIGN AND CONSTRUCTION OF DRILLED PIERS.

2. AT LOCATIONS WHERE GROUNDWATER IS PRESENT, PROVIDE TEMPORARY EXCAVATION CASING FOR DRILLED PIER INSTALLATIONS TO PREVENT THE SIDES OF THE EXCAVATION FROM CAVING. GROUNDWATER HAS BEEN OBSERVED AT DEPTHS FROM 3-1/2 TO 4 FEET BELOW GRADE.

3. REFER TO DETAIL 1/S-501 FOR ADDITIONAL INFORMATION.

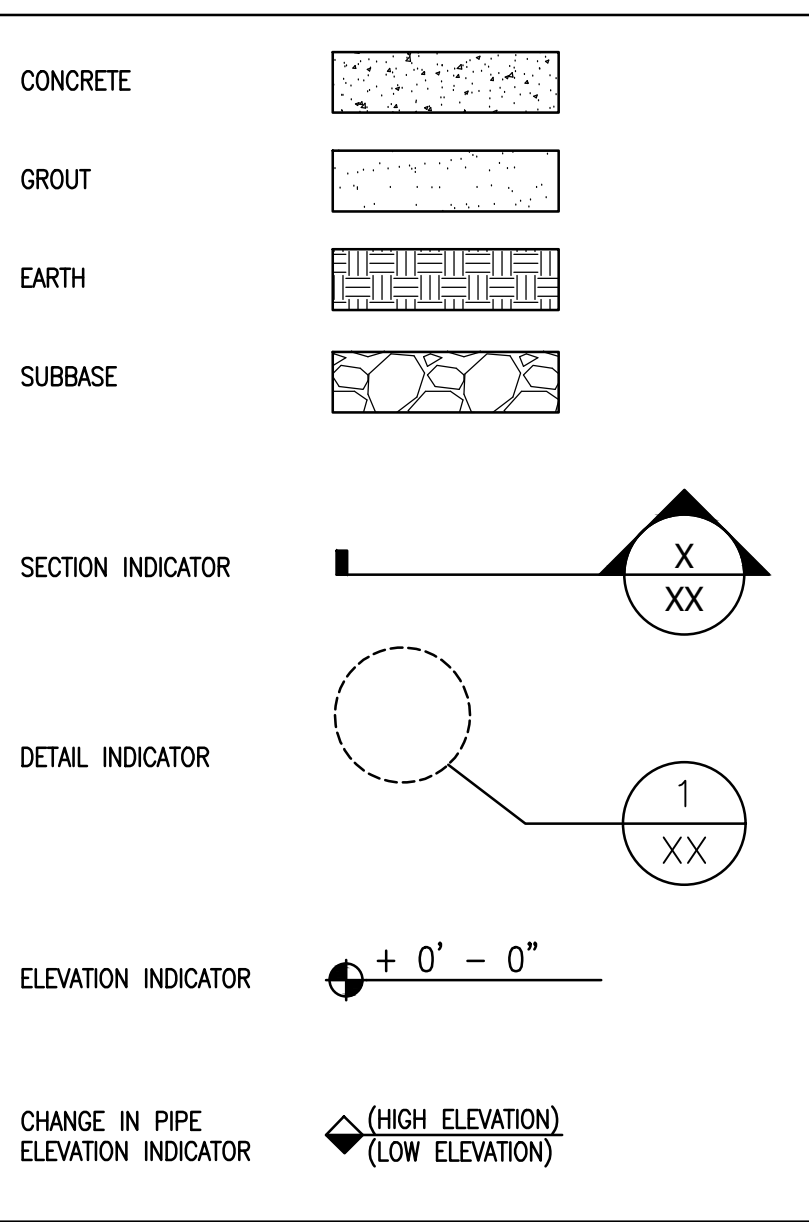
4. IF UNSUITABLE FILL SOILS ARE ENCOUNTERED IN AREA OF STANCHION, NOTIFY DIRECTOR'S REPRESENTATIVE AND GEOTECHNICAL ENGINEER IMMEDIATELY.

ABBREVIATIONS:

A.B. ANCHOR BOLT
ADDL ADDITIONAL
ADJ ADJACENT
AFF ABOVE FINISHED FLOOR
B/ BOTTOM OF
BEJ BUILDING EXPANSION JOINT
BLDG BUILDING
BRG BEARING
BP BASE PLATE
CANT CANTILEVER
CJ CONTROL JOINT
CL CENTERLINE
CMU CONCRETE MASONRY UNIT
CONC CONCRETE
CONT CONTINUOUS
COL COLUMN
CFMF COLD-FORMED METAL FRAMING
COORD COORDINATE
CONTR CONTRACTOR
DN DOWN
DO DITTO
DWG DRAWING
EA EACH
EF EACH FACE
EJ EXPANSION JOINT
ELEC ELECTRICAL
EL ELEVATION
ELEV ELEVATOR
EMBMt EMBEDMENT
EQ EQUAL
EW EACH WAY
E-W EAST-WEST
EXIST EXISTING
EXP EXPANSION
EXT EXTERIOR
EOD EDGE OF DECK
EOS EDGE OF SLAB
FD FLOOR DRAIN
FDN FOUNDATION
FTG FOOTING
FS FAR SIDE
GA GAUGE
GALV GALVANIZED
HSS STEEL TUBE SHAPE
HORIZ HORIZONTAL
HP HIGH POINT
INS INSULATION
INT INTERIOR
INV INVERT
K KIPS (1000 LB)
LG LONG
LH LONG LEG HORIZONTAL
LLV LONG LEG VERTICAL

LW LIGHT WEIGHT
MAX MAXIMUM
MECH MECHANICAL
MIN MINIMUM
MISC MISCELLANEOUS
MO MASONRY OPENING
NA NOT APPLICABLE
NIC NOT IN CONTRACT
NOM NOMINAL
NS NEAR SIDE
N-S NORTH-SOUTH
OC ON CENTER
OD OUTSIDE DIAMETER
O.F. OUTSIDE FACE
OPNG OPENING
OPP OPPOSITE
PL PLATE
PERP PERPENDICULAR
PLF POUNDS PER LINEAL FOOT
PSF POUNDS PER SQUARE FOOT
PSI POUNDS PER SQUARE INCH
PCF POUNDS PER CUBIC FOOT
PC PRECAST
P. PLUMBING
PL PLATE
PLWD PLYWOOD
PSL PARALLEL STRAND LUMBER
PT PRESSURE TREATED
R RADIUS
RD ROOF DRAIN
REQD REQUIRED
REINF REINFORCING
REV REVISION
RO ROUGH OPENING
SIM SIMILAR
SPEC SPECIFICATION
STD STANDARD
SF SQUARE FEET
SS STAINLESS STEEL
STL STEEL
SQ SQUARE
STAGG STAGGERED
STIFF. STIFFENER
T/ TOP OF
TEMP TEMPORARY
THK THICKNESS
TYP TYPICAL
UNO UNLESS NOTED OTHERWISE
VERT VERTICAL
W/ WITH
WF WIDE FLANGE
WP WORK POINT
WWF WELDED WIRE FABRIC
WCJ WALL CONTROL/CONSTRUCTION JOINT

LEGEND:



FOUNDATION NOTES

1. TYP EXISTING UNDERGROUND UTILITIES IN THE AREA OF THE NEW CONSTRUCTION SHALL BE POSITIVELY LOCATED BEFORE ANY NEW FOUNDATION WORK IS STARTED. EXISTING SITE ELEMENTS AND UTILITIES, MANHOLES, CATCH BASINS, ETC, ADJACENT TO NEW CONSTRUCTION EXCAVATIONS SHALL BE PROTECTED BY TEMPORARY SHEETING, SHORING AND/OR UNDERPINNING. THIS PROTECTION SHALL BE PROVIDED AND DESIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK, HIRED BY THE CONTRACTOR, AND BE RESPONSIBLE FOR ITS DESIGN AND INSTALLATION.

2. THE CONTRACTOR SHALL PROVIDE ALL Dewatering AS REQUIRED DURING THE EXCAVATION AND CONSTRUCTION OF THE FOUNDATION WORK INCLUDING PREVENTIVE MEASURES RELATED TO EXCAVATION STABILITY.

3. THE CONTRACTOR SHALL COORDINATE TYP FOUNDATION WORK WITH TYP UNDERGROUND UTILITIES. ALL NEW UNDERGROUND UTILITIES OR PIPES SHALL NOT BE PLACED BELOW SPREAD FOOTINGS. IF THIS CONDITION OCCURS, THE CONTRACTOR SHALL NOTIFY THE DIRECTOR'S REPRESENTATIVE AND DROP THE BOTTOM OF FOOTING TO CLEAR THE PIPE AT NO ADDITIONAL COST TO THE OWNER.

4. FOUNDATION DESIGN BASED ON RECOMMENDATIONS INCLUDED IN THE GEOTECHNICAL REPORT PREPARED BY STOPEN ENGINEERING. A COPY OF THE GEOTECHNICAL REPORT IS INCLUDED IN THE SPECIFICATIONS FOR INFORMATION ONLY.

5. UNLESS OTHERWISE NOTED, BOTTOM OF EXTERIOR FOOTINGS/PIERS IS 6 FEET MINIMUM BELOW FINISHED GRADE.

CONCRETE NOTES

1. CAST STEPPED FOOTINGS MONOLITHICALLY. CAST CONCRETE PIERS IN CONCRETE WALLS MONOLITHICALLY WITH WALLS.

2. CHAMFER EXPOSED CONCRETE CORNERS AND EDGES 3/4 INCH UNLESS NOTED OTHERWISE.

3. CONCRETE COVER REQUIREMENTS:

- FOOTINGS 3 IN. U.N.O.
- WALLS/ PIERS 2 IN. U.N.O.

6. WHERE REINFORCEMENT IS NOT SHOWN ON THE DRAWINGS, PROVIDE REINFORCEMENT NOT LESS THAN THE FOLLOWING:
• BEAM STIRRUPS: #3 AT 12" O.C.
• BEAM STIRRUPS SUPPORTS: 1- #5 AT EACH STIRRUP BEND
• DEEP BEAM FACE REINFORCEMENT: #5 AT 12" O.C. EACH FACE
• FOUNDATION WALLS: 0.0025 X GROSS CONCRETE AREA IN EACH DIRECTION
• FOUNDATION PIERS-VERTICAL BARS: 0.01 X GROSS CONCRETE AREA
• FOUNDATION PIERS-HORIZONTAL TIES: #3 AT 12" O.C. W/ (2) 3" SPACES AT TOP OF PIER.

STRUCTURAL STEEL NOTES

1. ALL STRUCTURAL STEEL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC).

2. THE STRUCTURAL STEEL CONTRACTOR SHALL VERIFY IN THE FIELD BY A SURVEY ALL EXISTING CONDITIONS CONNECTED WITH HIS WORK INCLUDING ANCHOR BOLTS AND LEVELING PLATE LOCATIONS (PLAN LOCATION AND ELEVATION) PRIOR TO FABRICATION.

3. DO NOT START STRUCTURAL STEEL FABRICATION UNTIL SHOP DRAWINGS AND OTHER REQUIRED SUBMITTALS HAVE BEEN REVIEWED AND ACCEPTED BY THE STRUCTURAL ENGINEER OF RECORD.

4. ALL WELDING SHALL CONFORM TO THE REQUIREMENTS OF THE STRUCTURAL WELDING CODE - STEEL OF THE AMERICAN WELDING SOCIETY (AWS). ALL SHOP AND FIELD WELDING SHALL BE PERFORMED BY WELDERS WITH CURRENT AWS CERTIFICATION FOR THE WELDING PROCESS AND JOINT TYPE SPECIFIED.

5. THE STRUCTURAL STEEL CONTRACTOR SHALL PROVIDE SATISFACTORY TEMPORARY BRACING OF THE NEW STEEL FRAME UNTIL ALL NEW FRAMING IS ERECTED AND FINAL CONNECTIONS ARE COMPLETE.

6. PROVIDE STIFFENERS FINISHED TO BEAR UNDER ALL CONCENTRATED LOADS ON SUPPORTING MEMBERS, OVER COLUMNS AND WHERE INDICATED ON THE DRAWINGS.

7. PROVIDE THE FOLLOWING CORROSION PROTECTION SYSTEM FOR STANCHION COLUMN, PIPE SUPPORT FRAMING, HANGER RODS, ANCHOR BOLTS AND RELATED HARDWARE.
A. HOT-DIP GALVANIZE ALL STEEL PER ASTM A123. ONLY BOLTED FIELD CONNECTIONS ARE ALLOWED.
B. PROGRESSIVE DIPPING OF MEMBERS IN GALVANIZED KETTLE FOR MEMBERS OVER 40 FEET LONG IS ACCEPTABLE.

8. CONTRACTOR IS TO PROVIDE HOLES IN GALVANIZED HOLLOW STEEL SECTIONS FOR VENTING AND DRAINAGE. PERMANENTLY WELD HOLES CLOSED OR FILL WITH GALVANIZED ROUND PLUGS AND WELD PERIMETER AFTER GALVANIZING. DO NOT LOCATE HOLES ON UPWARD FACING HORIZONTAL SURFACES OF GALVANIZED ITEMS. HOLES AND THE METHOD OF SEALING ARE TO BE SHOWN ON THE SHOP DRAWINGS. APPLY TWO COATS OF BRUSH-APPLIED COLD GALVANIZING COMPOUND TO WELDED OR PLUGGED AND WELDED HOLES.

9. ALL FIELD CONNECTIONS THAT ARE BOLTED WITH FULLY TENSIONED A325-N BOLTS ARE TO BE RE-TENSIONED 4 WEEKS AFTER INITIAL TENSIONING.

10. USE OF ASTM F1852 TENSION CONTROL HIGH STRENGTH BOLT ASSEMBLIES IS PROHIBITED. ALL HIGH STRENGTH BOLTS SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM A153, CLASS C.

11. FOR STRUCTURAL STEEL SUBMITTALS, IDENTIFY STEEL MEMBERS WITH BOTH THE FABRICATORS PIECE NUMBER AND THE CONTRACT DRAWING STANCHION OR BEAM NUMBER.

12. THE DIRECTOR'S REPRESENTATIVE RESERVES THE RIGHT TO REJECT GALVANIZED ITEMS THAT HAVE BEEN DELIVERED TO THE SITE WHEN DEFECTS IN GALVANIZING ARE IDENTIFIED.

BUILDING CODE NOTE

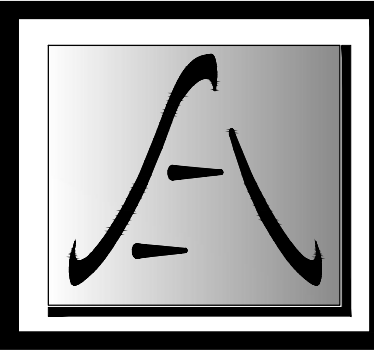
TO THE BEST OF THE ARCHITECT/ENGINEER'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2016 UNIFORM CODE AND THE 2017 SUPPLEMENT TO THE UNIFORM CODE

ENERGY CODE NOTE

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DESIGN & CONSTRUCTION

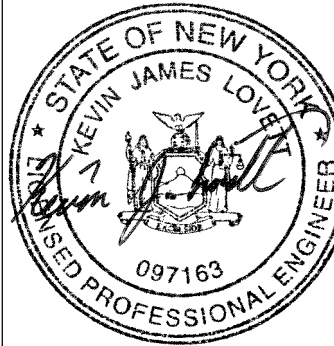
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CONTRACT:

HVAC

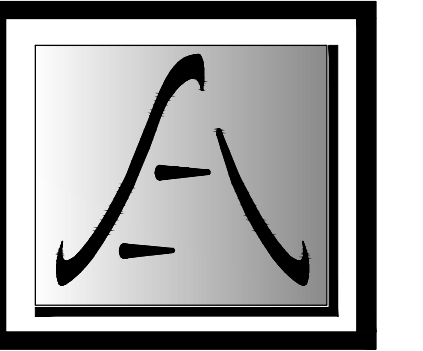
TITLE: REHABILITATE EXTERIOR HEATING SYSTEM STANCHION SUPPORTS

LOCATION: GOUVERNEUR CORRECTIONAL FACILITY
SCOTCH SETTLEMENT ROAD
GOUVERNEUR, NY

CLIENT: DEPARTMENT OF CORRECTIONS
AND COMMUNITY SUPERVISION

	3/10/2020	BID DOCUMENT
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	M3108 — H	
DESIGNED BY:	KJL	
DRAWN BY:	JWP	
FIELD CHECK:	VPD	
APPROVED:	KJL	
SHEET TITLE:		
STRUCTURAL DATA, LEGEND AND ABBREVIATIONS		
DRAWING NUMBER:		
S-001		
SHEET	25	OF 45

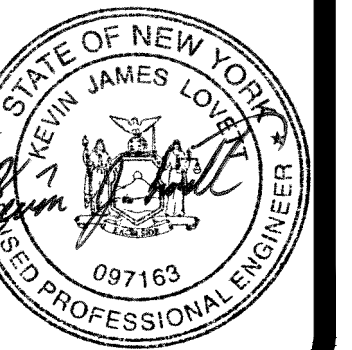
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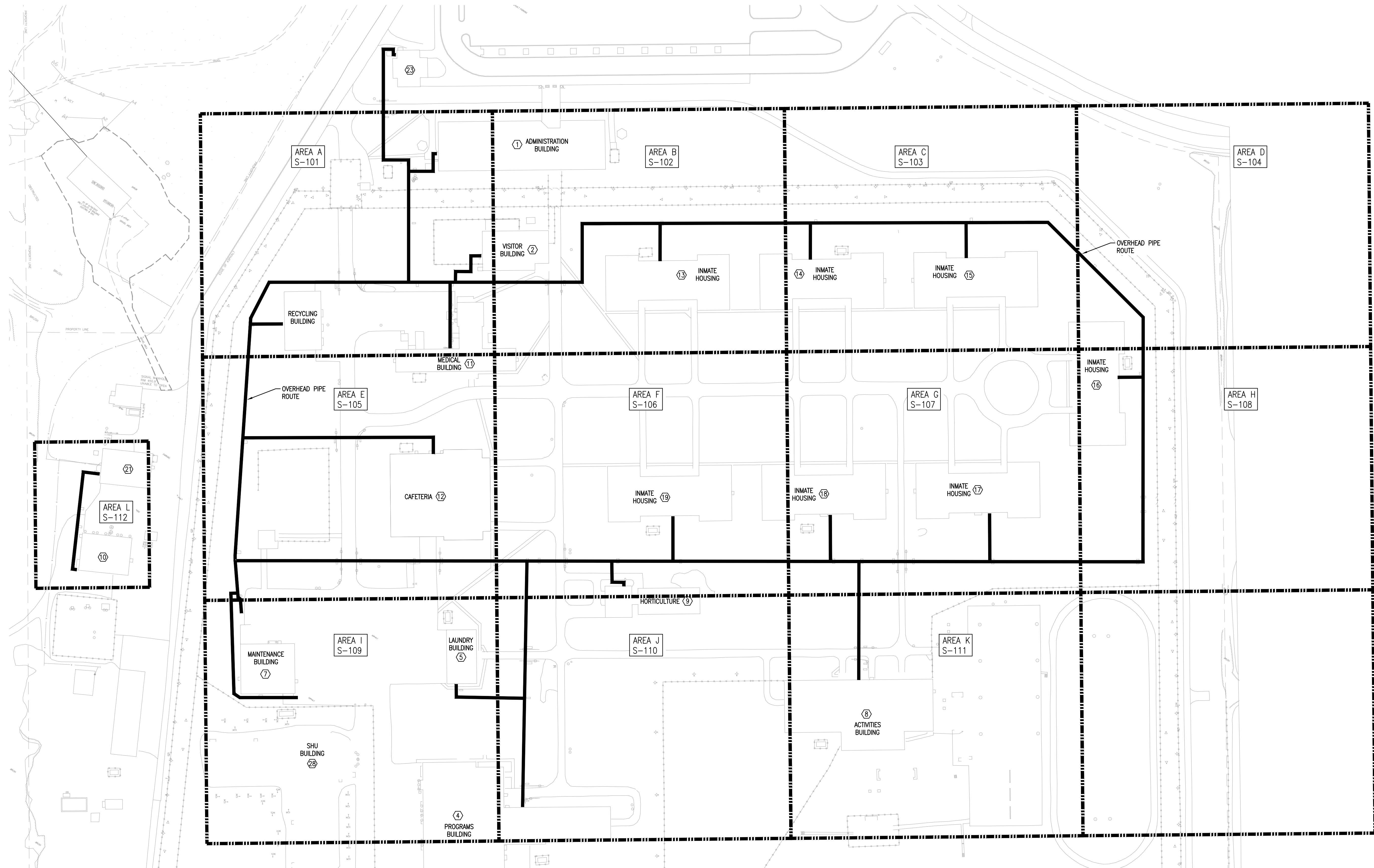
CONTRACT:

H V A C

REHABILITATE EXTERIOR
HEATING SYSTEM STANCHION
SUPPORTS

LOCATION:
GOVERNEUR CORRECTIONAL FACILITY
SCOTCH SETTLEMENT ROAD
GOVERNEUR, NY

CLIENT: DEPARTMENT OF CORRECTIONS
AND COMMUNITY SUPERVISION



1 SITE STRUCTURAL PLAN
S-100 SCALE: 1"=80'



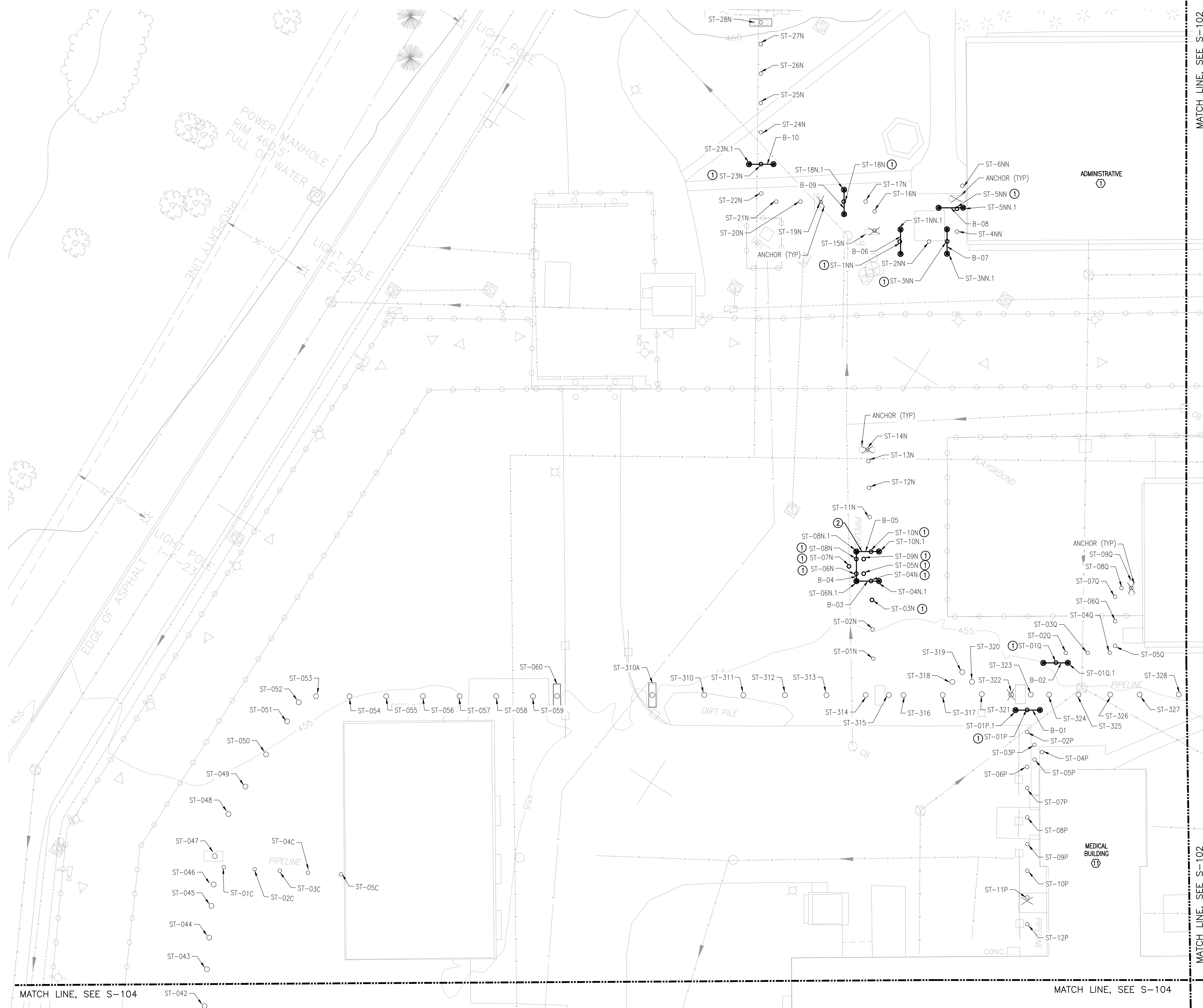
SHEET TITLE:

SITE STRUCTURAL
PLAN

DRAWING NUMBER:

S-100

SHEET 26 OF 45



1 STANCHION FRAMING PLAN AREA-A
S-101 SCALE: 1"=20'

MATCH LINE, SEE S-102

MATCH LINE, SEE S-102

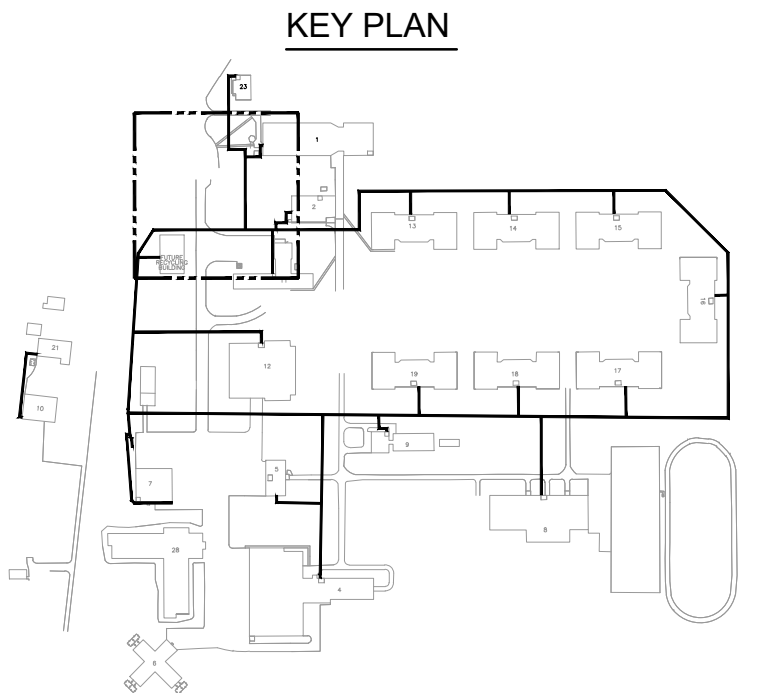
- KEYED NOTES:**
- ① REMOVE STEEL STANCHION POST AND CONCRETE FOUNDATION IN ITS ENTIRETY.
 - ② EXPANSION LOOP LAYOUT:
9'-6"±
12'-0"±
9'-6"±

- GENERAL NOTES:**
- AT EXISTING STANCHION REMOVAL LOCATIONS, OVERHEAD PIPING AND ELECTRICAL CONDUIT MUST BE TEMPORARILY SUPPORTED. ONCE NEW STANCHIONS ARE INSTALLED, SUSPEND OVERHEAD PIPING AND CONDUIT FROM SUPPORTING STEEL USING CLEVIS HANGERS.
 - PIPE STANCHION FOUNDATION PIERS INDICATED ON THESE DRAWINGS ARE FOR BIDDING PURPOSES ONLY. STRUCTURAL STEEL FRAMING ERECTION PLANS AND DETAIL SUBMITTALS SHALL BE BASED ON FIELD SURVEYED LOCATION OF INSTALLED STANCHION PIERS.
 - IN ADDITION TO HANGER SUPPORTS INDICATED ON THE DRAWINGS, THE STEEL FABRICATOR SHALL INCLUDE IN THE BID 2 TONS OF ADDITIONAL HANGER STEEL TO BE LOCATED BASED ON THE FINAL APPROVED PIPE LAYOUT AND DETAILS. SEE S-502 FOR HANGER DETAIL INFORMATION.
 - REFER TO DRAWINGS M-101 TO M-105 FOR PIPING REMOVALS AND REPLACEMENT.
 - THE CONTRACTOR SHALL COORDINATE THE STANCHION LOCATION AND FRAMING PLANS AND DETAILS WITH THE FINAL APPROVED PIPING LAYOUT AND DETAILS PRIOR TO FABRICATION.

STEEL FRAMING LEGEND - TYP.

SYMBOL	REFERENCE DRAWINGS
○ EXISTING PIPE STANCHION ST-XXX	S-601, S-602
● PIPE STANCHION ST-XXX	S-601, S-602
B-XXX	S-603
≡ OR ≡ PIPE SUPPORT STEEL	S-502
≡ OR ≡ GUIDE	S-502
≡ OR ≡ ANCHOR	S-502
≡ OR ≡ HANGER SUPPORT	S-502

- STEEL FRAMING LEGEND NOTES**
- SEE DRAWINGS S-601 THROUGH S-602 FOR STANCHION SCHEDULES.
 - SEE DRAWING S-603 FOR BEAM SCHEDULES.
 - SEE DRAWING S-501 FOR FOUNDATION PIER, ANCHOR BOLT AND BASE PLATE DETAILS.
 - SEE DRAWING S-502, S-503, AND S-504 FOR TYPICAL CONNECTION DETAILS AND GUIDE, ANCHOR AND HANGER DETAILS.
 - SLIDE, GUIDE, ANCHOR AND HANGER LOCATIONS ARE APPROXIMATE AND SHALL NOT OCCUR ON A BEAM WITHIN 2 FT. OF THE END OF THE BEAM.



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STATE OF
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General Services

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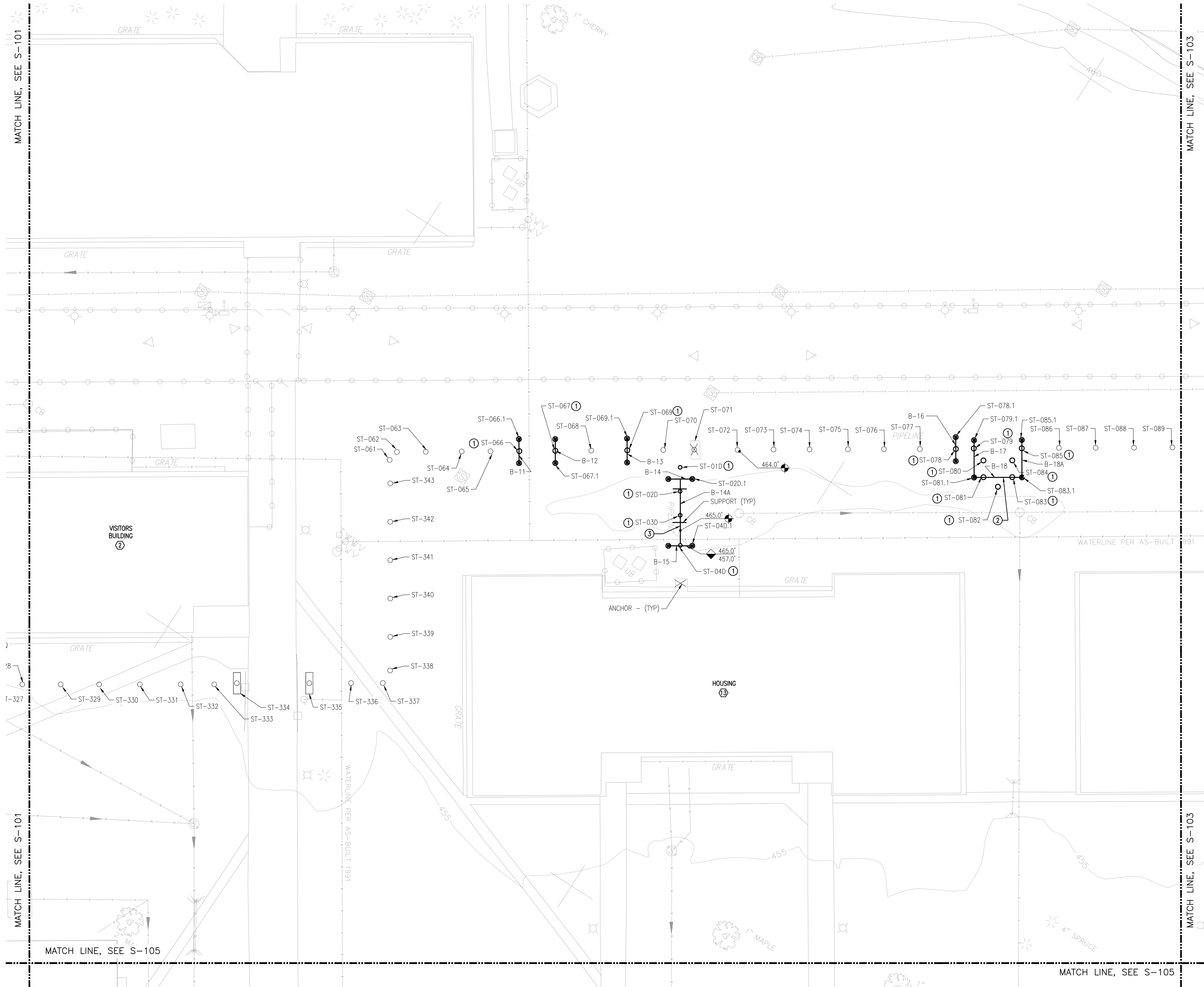
CONTRACT: HVAC

TITLE: REHABILITATE EXTERIOR HEATING SYSTEM STANCHION SUPPORTS

LOCATION: GOUVERNEUR CORRECTIONAL FACILITY
SCOTCH SETTLEMENT ROAD
GOUVERNEUR, NY

CLIENT: DEPARTMENT OF CORRECTIONS
AND COMMUNITY SUPERVISION

	3/10/2020	BID DOCUMENT
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	M3108 — H	
DESIGNED BY:	KJL	
DRAWN BY:	JWP	
FIELD CHECK:	VPD	
APPROVED:	KJL	
SHEET TITLE:		
PIPING SUPPORT FRAMING PLAN — AREA A		
DRAWING NUMBER:		
S-101		
SHEET	27	OF 45



1 STANCHION FRAMING PLAN AREA-B
S-102 SCALE: 1"=20'

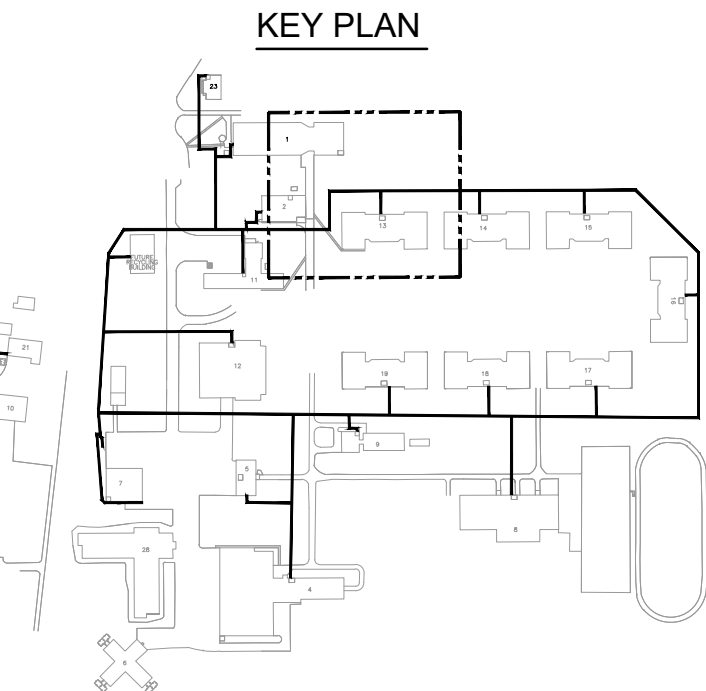
- KEYED NOTES:**
- 1 REMOVE STEEL STANCHION POST AND CONCRETE FOUNDATION IN ITS ENTIRETY.
 - 2 EXPANSION LOOP LAYOUT:
16'-0"±
20'-0"±
16'-0"±
 - 3 SEE M-102 FOR PIPING REMOVALS AND REPLACEMENT.

- GENERAL NOTES:**
1. AT EXISTING STANCHION REMOVAL LOCATIONS, OVERHEAD PIPING AND ELECTRICAL CONDUIT MUST BE TEMPORARILY SUPPORTED. ONCE NEW STANCHIONS ARE INSTALLED, SUSPEND OVERHEAD PIPING AND CONDUIT FROM SUPPORTING STEEL USING CLEVIS HANGERS.
 2. PIPE STANCHION FOUNDATION PIERS INDICATED ON THESE DRAWINGS ARE FOR BIDDING PURPOSES ONLY. STRUCTURAL STEEL FRAMING ERECTION PLANS AND DETAIL SUBMITTALS SHALL BE BASED ON FIELD SURVEYED LOCATION OF INSTALLED STANCHION PIERS.
 3. IN ADDITION TO HANGER SUPPORTS INDICATED ON THE DRAWINGS, THE STEEL FABRICATOR SHALL INCLUDE IN THE BID 2 TONS OF ADDITIONAL HANGER STEEL TO BE LOCATED BASED ON THE FINAL APPROVED PIPE LAYOUT AND DETAILS. SEE S-502 FOR HANGER DETAIL INFORMATION.
 4. REFER TO DRAWINGS M-101 TO M-105 FOR PIPING REMOVALS AND REPLACEMENT.
 5. THE CONTRACTOR SHALL COORDINATE THE STANCHION LOCATION AND FRAMING PLANS AND DETAILS WITH THE FINAL APPROVED PIPING LAYOUT AND DETAILS PRIOR TO FABRICATION.

STEEL FRAMING LEGEND - TYP.

SYMBOL	REFERENCE DRAWINGS
EXISTING PIPE STANCHION ST-XXX	S-601, S-602
PIPE STANCHION ST-XXX	S-601, S-602
PIPE SUPPORT STEEL	S-603
GUIDE OR ANCHOR	S-502
HANGER SUPPORT	S-502

- STEEL FRAMING LEGEND NOTES**
1. SEE DRAWINGS S-601 THROUGH S-602 FOR STANCHION SCHEDULES.
 2. SEE DRAWING S-603 FOR BEAM SCHEDULES.
 3. SEE DRAWING S-501 FOR FOUNDATION PIER, ANCHOR BOLT AND BASE PLATE DETAILS.
 4. SEE DRAWING S-502, S-503, AND S-504 FOR TYPICAL CONNECTION DETAILS AND GUIDE, ANCHOR AND HANGER DETAILS.
 5. SLIDE, GUIDE, ANCHOR AND HANGER LOCATIONS ARE APPROXIMATE AND SHALL NOT OCCUR ON A BEAM WITHIN 2 FT. OF THE END OF THE BEAM.



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STATE OF NEW YORK
JAMES LOUIS
1897
PROFESSIONAL ENGINEER

CONTRACT: HVAC

TITLE: REHABILITATE EXTERIOR HEATING SYSTEM STANCHION SUPPORTS

LOCATION: GOUVERNEUR CORRECTIONAL FACILITY
SCOTCH SETTLEMENT ROAD
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APPROVED:	KJL	
SHEET TITLE:		
PIPING SUPPORT FRAMING PLAN — AREA-B		
DRAWING NUMBER:		
S-102		
SHEET 28 OF 45		

MATCH LINE, SEE S-102

LT 891

MATCH LINE, SEE S-102

MATCH LINE, SEE S-105

MATCH LINE, SEE S-104

MATCH LINE, SEE S-104

MATCH LINE, SEE S-105

KEYED NOTES:

- ① REMOVE STEEL STANCHION POST AND CONCRETE FOUNDATION IN ITS ENTIRETY.
- STANCHION POST AND CONC. FOUNDATION REMOVAL LIST:
- ST-100
ST-101
ST-102
ST-103
ST-104
ST-105
ST-106
ST-107
ST-116
ST-01E
ST-02E
ST-03E
ST-04E
ST-05E
ST-01F
ST-02F
ST-03F
ST-04F
ST-05F
- ② EXPANSION LOOP LAYOUT:
- 18'-0"±
26'-0"±
18'-0"±
- ③ SEE M-102 FOR PIPING REMOVALS AND REPLACEMENT.
- ④ SEE M-103 FOR PIPING REMOVALS AND REPLACEMENT.

GENERAL NOTES:

1. AT EXISTING STANCHION REMOVAL LOCATIONS, OVERHEAD PIPING AND ELECTRICAL CONDUIT MUST BE TEMPORARILY SUPPORTED. ONCE NEW STANCHIONS ARE INSTALLED, SUSPEND OVERHEAD PIPING AND CONDUIT FROM SUPPORTING STEEL USING CLEVIS HANGERS.
2. PIPE STANCHION FOUNDATION PIERS INDICATED ON THESE DRAWINGS ARE FOR BIDDING PURPOSES ONLY. STRUCTURAL STEEL FRAMING ERECTION PLANS AND DETAIL SUBMITTALS SHALL BE BASED ON FIELD SURVEYED LOCATION OF INSTALLED STANCHION PIERS.
3. IN ADDITION TO HANGER SUPPORTS INDICATED ON THE DRAWINGS, THE STEEL FABRICATOR SHALL INCLUDE IN THE BID 2 TONS OF ADDITIONAL HANGER STEEL TO BE LOCATED BASED ON THE FINAL APPROVED PIPE LAYOUT AND DETAILS. SEE S-502 FOR HANGER DETAIL INFORMATION.
4. REFER TO DRAWINGS M-101 TO M-105 FOR PIPING REMOVALS AND REPLACEMENT.
5. THE CONTRACTOR SHALL COORDINATE THE STANCHION LOCATION AND FRAMING PLANS AND DETAILS WITH THE FINAL APPROVED PIPING LAYOUT AND DETAILS PRIOR TO FABRICATION.

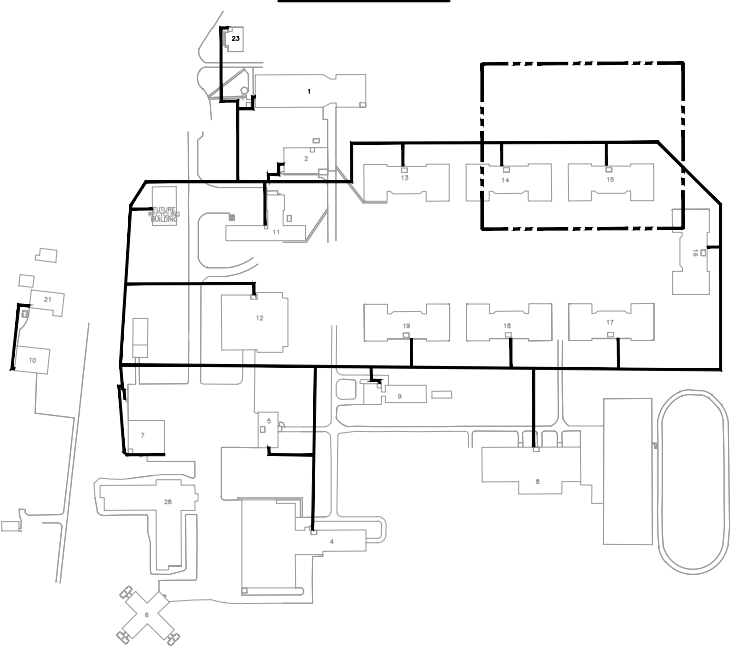
STEEL FRAMING LEGEND - TYP.

SYMBOL	REFERENCE DRAWINGS
EXISTING PIPE STANCHION ST-XXX	S-601, S-602
PIPE STANCHION ST-XXX	S-601, S-602
B-XXX	S-603
PIPE SUPPORT STEEL	S-502
OR GUIDE	S-502
OR ANCHOR	S-502
OR HANGER SUPPORT	S-502

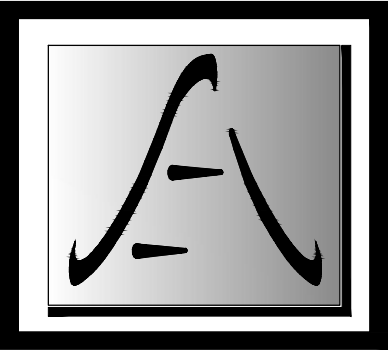
STEEL FRAMING LEGEND NOTES

1. SEE DRAWINGS S-601 THROUGH S-602 FOR STANCHION SCHEDULES.
2. SEE DRAWING S-603 FOR BEAM SCHEDULES.
3. SEE DRAWING S-501 FOR FOUNDATION PIER, ANCHOR BOLT AND BASE PLATE DETAILS.
4. SEE DRAWING S-502, S-503, AND S-504 FOR TYPICAL CONNECTION DETAILS AND GUIDE, ANCHOR AND HANGER DETAILS.
5. SLIDE, GUIDE, ANCHOR AND HANGER LOCATIONS ARE APPROXIMATE AND SHALL NOT OCCUR ON A BEAM WITHIN 2 FT. OF THE END OF THE BEAM.

KEY PLAN



1 STANCHION FRAMING PLAN AREA-C
S-103 SCALE: 1"=20'



SAGE ENGINEERING ASSOCIATES, LLP

WARNING:

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CONTRACT:

HVAC

TITLE: REHABILITATE EXTERIOR HEATING SYSTEM STANCHION SUPPORTS

LOCATION: GOUVERNEUR CORRECTIONAL FACILITY
SCOTCH SETTLEMENT ROAD
GOUVERNEUR, NY

CLIENT: DEPARTMENT OF CORRECTIONS
AND COMMUNITY SUPERVISION

MARK	DATE	DESCRIPTION
	3/10/2020	BID DOCUMENT

PROJECT NUMBER:	M3108 - H
DESIGNED BY:	KJL
DRAWN BY:	JWP
FIELD CHECK:	VPD
APPROVED:	KJL

SHEET TITLE:
PIPING SUPPORT FRAMING
PLAN - AREA-C

DRAWING NUMBER:
S-103



1 STANCHION FRAMING PLAN AREA-D
S-104 SCALE: 1"=20'



KEYED NOTES:

- ① REMOVE STEEL STANCHION POST AND CONCRETE FOUNDATION IN ITS ENTIRETY.

STANCHION POST AND CONC. FOUNDATION REMOVAL LIST:

- ST-137
ST-138
ST-140
ST-141
ST-142

GENERAL NOTES:

- AT EXISTING STANCHION REMOVAL LOCATIONS, OVERHEAD PIPING AND ELECTRICAL CONDUIT MUST BE TEMPORARILY SUPPORTED. ONCE NEW STANCHIONS ARE INSTALLED, SUSPEND OVERHEAD PIPING AND CONDUIT FROM SUPPORTING STEEL USING CLEVIS HANGERS.
- PIPE STANCHION FOUNDATION PIERS INDICATED ON THESE DRAWINGS ARE FOR BIDDING PURPOSES ONLY. STRUCTURAL STEEL FRAMING ERECTION PLANS AND DETAIL SUBMITTALS SHALL BE BASED ON FIELD SURVEYED LOCATION OF INSTALLED STANCHION PIERS.
- IN ADDITION TO HANGER SUPPORTS INDICATED ON THE DRAWINGS, THE STEEL FABRICATOR SHALL INCLUDE IN THE BID 2 TONS OF ADDITIONAL HANGER STEEL TO BE LOCATED BASED ON THE FINAL APPROVED PIPE LAYOUT AND DETAILS. SEE S-502 FOR HANGER DETAIL INFORMATION.
- REFER TO DRAWINGS M-101 TO M-105 FOR PIPING REMOVALS AND REPLACEMENT.
- THE CONTRACTOR SHALL COORDINATE THE STANCHION LOCATION AND FRAMING PLANS AND DETAILS WITH THE FINAL APPROVED PIPING LAYOUT AND DETAILS PRIOR TO FABRICATION.

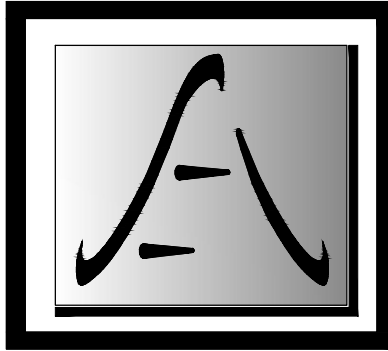
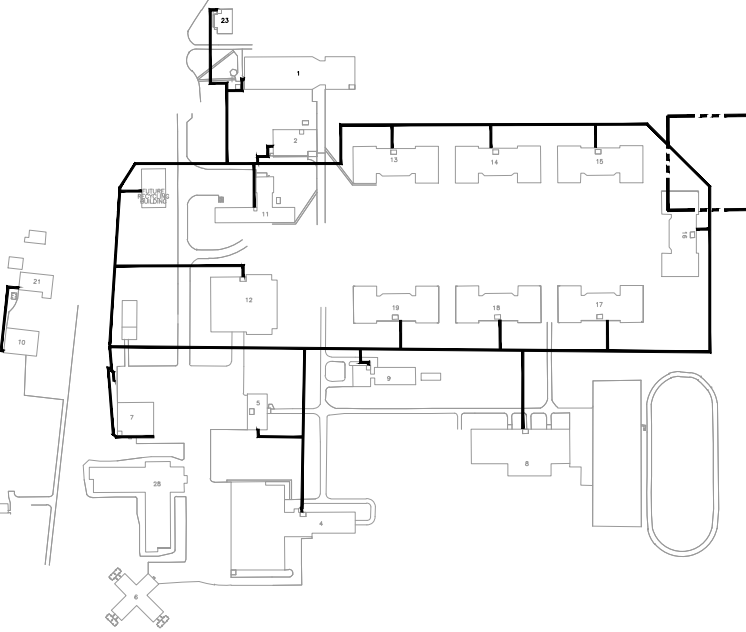
STEEL FRAMING LEGEND - TYP.

SYMBOL	REFERENCE DRAWINGS
 EXISTING PIPE STANCHION ST-XXX	S-601, S-602
 PIPE STANCHION ST-XXX	S-601, S-602
 B-XXX PIPE SUPPORT STEEL	S-603
 GUIDE	S-502
 ANCHOR	S-502
 HANGER SUPPORT	S-502

STEEL FRAMING LEGEND NOTES

- SEE DRAWINGS S-601 THROUGH S-602 FOR STANCHION SCHEDULES.
- SEE DRAWING S-603 FOR BEAM SCHEDULES.
- SEE DRAWING S-501 FOR FOUNDATION PIER, ANCHOR BOLT AND BASE PLATE DETAILS.
- SEE DRAWING S-502, S-503, AND S-504 FOR TYPICAL CONNECTION DETAILS AND GUIDE, ANCHOR AND HANGER DETAILS.
- SLIDE, GUIDE, ANCHOR AND HANGER LOCATIONS ARE APPROXIMATE AND SHALL NOT OCCUR ON A BEAM WITHIN 2 FT. OF THE END OF THE BEAM.

KEY PLAN



SAGE ENGINEERING ASSOCIATES, LLP

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CONTRACT:

HVAC

TITLE:

REHABILITATE EXTERIOR HEATING SYSTEM STANCHION SUPPORTS

LOCATION:

GOVERNEUR CORRECTIONAL FACILITY
SCOTCH SETTLEMENT ROAD
GOVERNEUR, NY

CLIENT:

DEPARTMENT OF CORRECTIONS
AND COMMUNITY SUPERVISION

MARK	3/10/2020	BID DOCUMENT
DATE		DESCRIPTION

PROJECT NUMBER:	M3108 — H
DESIGNED BY:	KJL
DRAWN BY:	JWP
FIELD CHECK:	VPD
APPROVED:	KJL

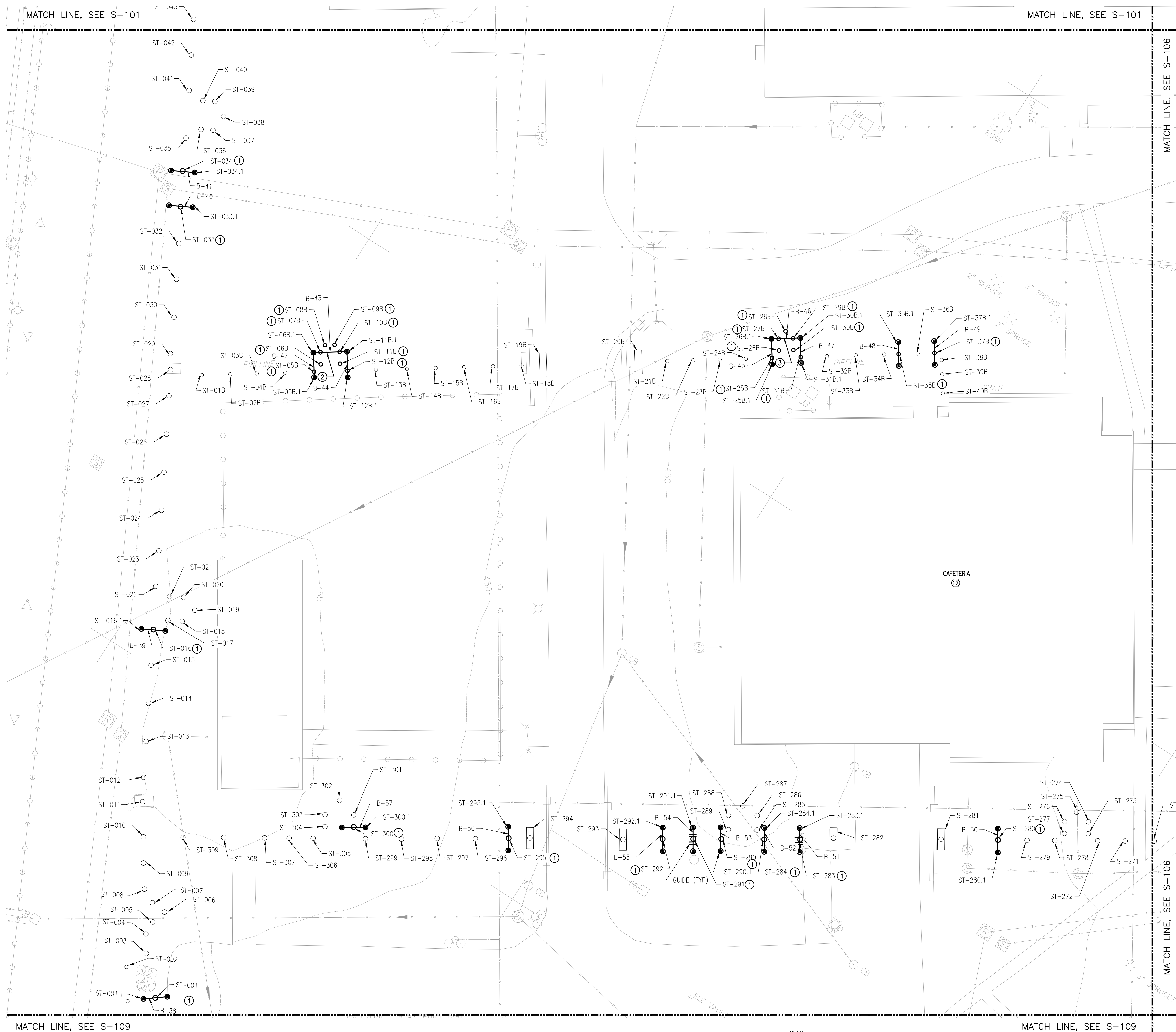
SHEET TITLE:

PIPING SUPPORT FRAMING
PLAN — AREA-D

DRAWING NUMBER:

S-104

36x24 PLOT SHEET



1
S-105

STANCHION FRAMING PLAN AREA-E

SCALE: 1"=20'



KEYED NOTES:

- REMOVE STEEL STANCHION POST AND CONCRETE FOUNDATION IN ITS ENTIRETY.

STANCHION POST AND CONC. FOUNDATION REMOVAL LIST:

ST-001	ST-27B
ST-016	ST-28B
ST-033	ST-29B
ST-034	ST-31B
ST-05B	ST-35B
ST-06B	ST-37B
ST-07B	ST-280
ST-08B	ST-283
ST-09B	ST-284
ST-10B	ST-290
ST-11B	ST-291
ST-12B	ST-292
ST-25B	ST-295
ST-26B	ST-300

- EXPANSION LOOP LAYOUT: 11'-0"±
14'-0"±
11'-0"±
- EXPANSION LOOP LAYOUT: 11'-0"±
12'-0"±
11'-0"±

GENERAL NOTES:

- AT EXISTING STANCHION REMOVAL LOCATIONS, OVERHEAD PIPING AND ELECTRICAL CONDUIT MUST BE TEMPORARILY SUPPORTED. ONCE NEW STANCHIONS ARE INSTALLED, SUSPEND OVERHEAD PIPING AND CONDUIT FROM SUPPORTING STEEL USING CLEVIS HANGERS.
- PIPE STANCHION FOUNDATION PIERS INDICATED ON THESE DRAWINGS ARE FOR BIDDING PURPOSES ONLY. STRUCTURAL STEEL FRAMING ERECTION PLANS AND DETAIL SUBMITTALS SHALL BE BASED ON FIELD SURVEYED LOCATION OF INSTALLED STANCHION PIERS.
- IN ADDITION TO HANGER SUPPORTS INDICATED ON THE DRAWINGS, THE STEEL FABRICATOR SHALL INCLUDE IN THE BID 2 TONS OF ADDITIONAL HANGER STEEL TO BE LOCATED BASED ON THE FINAL APPROVED PIPE LAYOUT AND DETAILS. SEE S-502 FOR HANGER DETAIL INFORMATION.
- REFER TO DRAWINGS M-101 TO M-105 FOR PIPING REMOVALS AND REPLACEMENT.
- THE CONTRACTOR SHALL COORDINATE THE STANCHION LOCATION AND FRAMING PLANS AND DETAILS WITH THE FINAL APPROVED PIPING LAYOUT AND DETAILS PRIOR TO FABRICATION.

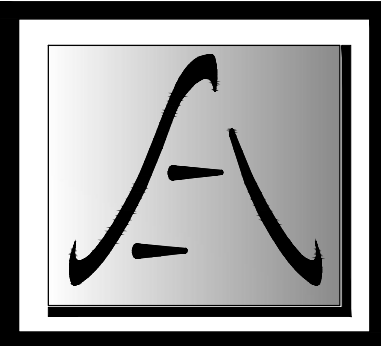
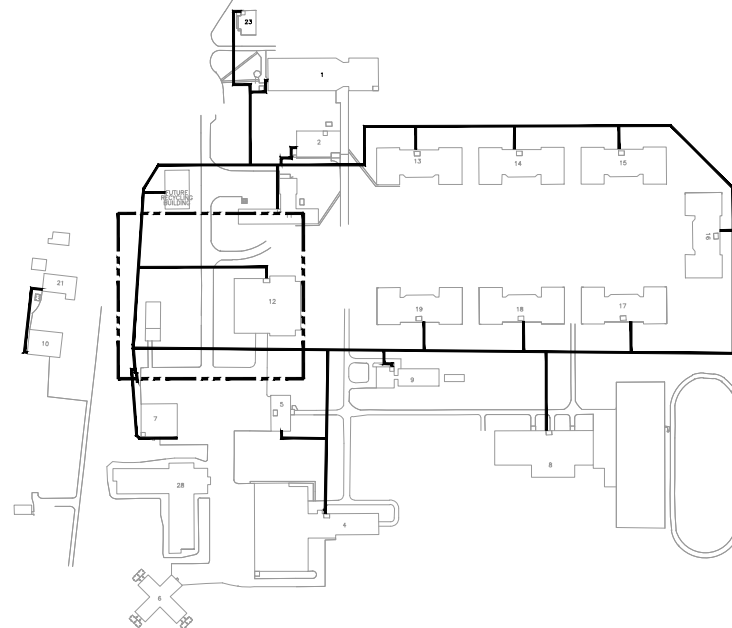
STEEL FRAMING LEGEND - TYP.

SYMBOL	REFERENCE DRAWINGS
EXISTING PIPE STANCHION ST-XXX	S-601, S-602
PIPE STANCHION ST-XXX	S-601, S-602
B-XXX	S-603
PIPE SUPPORT STEEL	S-603
OR GUIDE	S-502
OR ANCHOR	S-502
OR HANGER SUPPORT	S-502

STEEL FRAMING LEGEND NOTES

- SEE DRAWINGS S-601 THROUGH S-602 FOR STANCHION SCHEDULES.
- SEE DRAWING S-603 FOR BEAM SCHEDULES.
- SEE DRAWING S-501 FOR FOUNDATION PIER, ANCHOR BOLT AND BASE PLATE DETAILS.
- SEE DRAWING S-502, S-503, AND S-504 FOR TYPICAL CONNECTION DETAILS AND GUIDE, ANCHOR AND HANGER DETAILS.
- SLIDE, GUIDE, ANCHOR AND HANGER LOCATIONS ARE APPROXIMATE AND SHALL NOT OCCUR ON A BEAM WITHIN 2 FT. OF THE END OF THE BEAM.

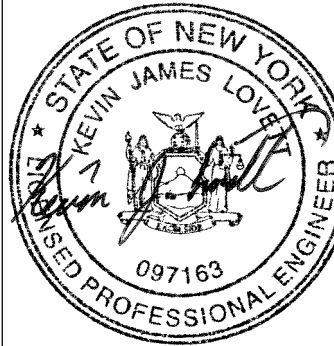
KEY PLAN



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CONTRACT:

HVAC

TITLE:
REHABILITATE EXTERIOR
HEATING SYSTEM STANCHION
SUPPORTS

LOCATION:
GOUVERNEUR CORRECTIONAL FACILITY
SCOTCH SETTLEMENT ROAD
GOUVERNEUR, NY

CLIENT:
DEPARTMENT OF CORRECTIONS
AND COMMUNITY SUPERVISION

3/10/2020 BID DOCUMENT

PROJECT
NUMBER: **M3108 - H**

DESIGNED BY: KJL

DRAWN BY: JWP

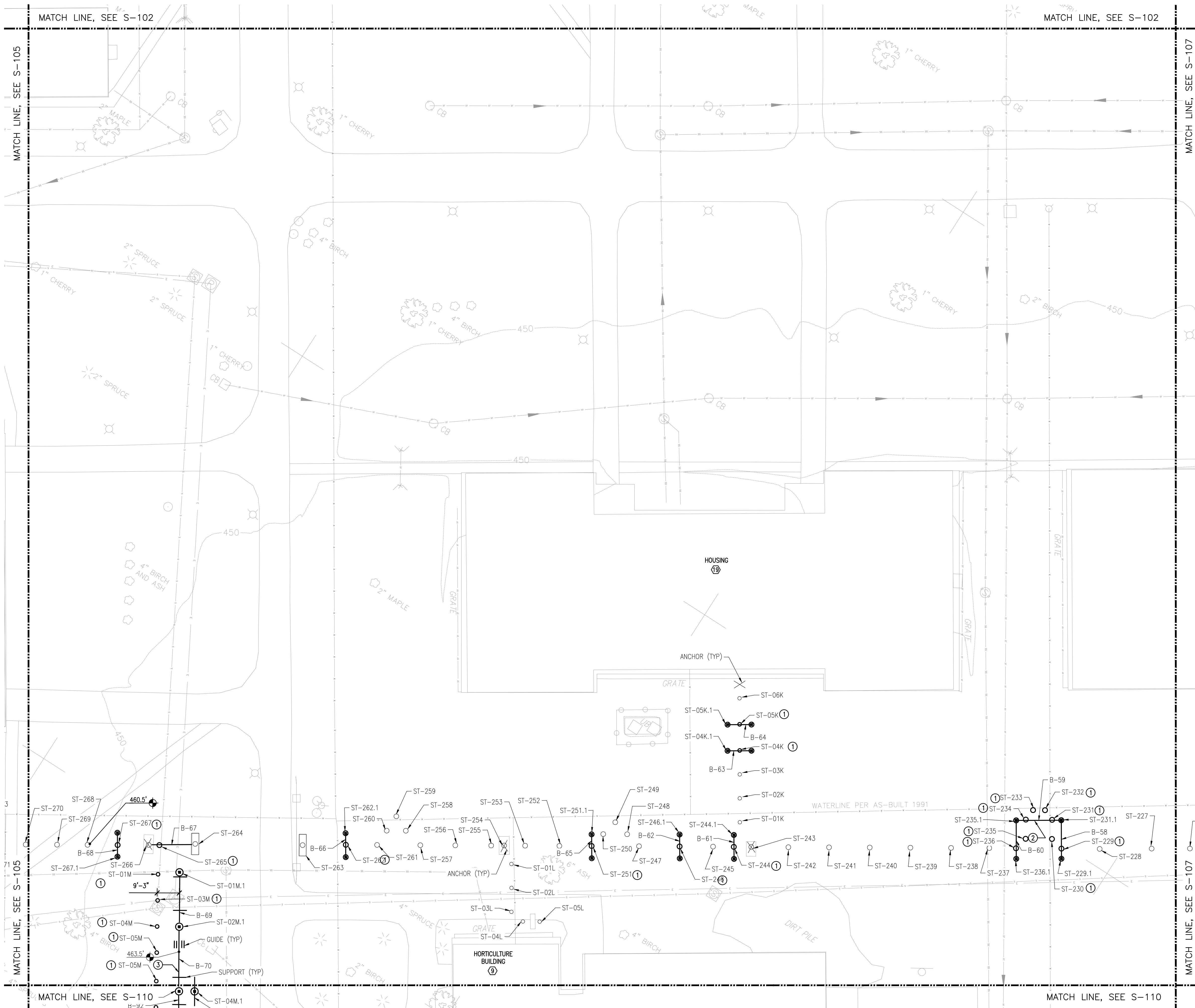
FIELD CHECK: VPD

APPROVED: KJL

SHEET TITLE:
PIPING SUPPORT FRAMING
PLAN - AREA-E

DRAWING NUMBER:

S-105



KEYED NOTES:

- ① REMOVE STEEL STANCHION POST AND CONCRETE FOUNDATION IN ITS ENTIRETY.
- STANCHION POST AND CONC. FOUNDATION REMOVAL LIST:
- | | |
|--------|--------|
| ST-229 | ST-262 |
| ST-230 | ST-265 |
| ST-231 | ST-267 |
| ST-232 | ST-01M |
| ST-233 | ST-02M |
| ST-234 | ST-03M |
| ST-235 | ST-04M |
| ST-236 | ST-05M |
| ST-244 | ST-05M |
| ST-246 | ST-04K |
| ST-251 | ST-05K |
- ② EXPANSION LOOP LAYOUT:
- 14'-0"±
- 19'-0"±
- 14'-0"±

- ③ SEE M-105 FOR PIPING REMOVALS AND REPLACEMENT.

GENERAL NOTES:

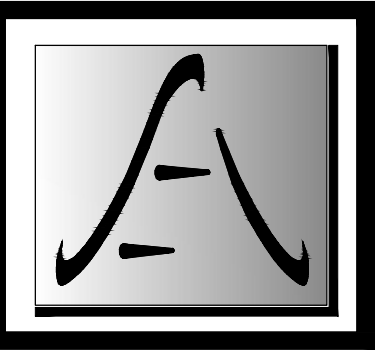
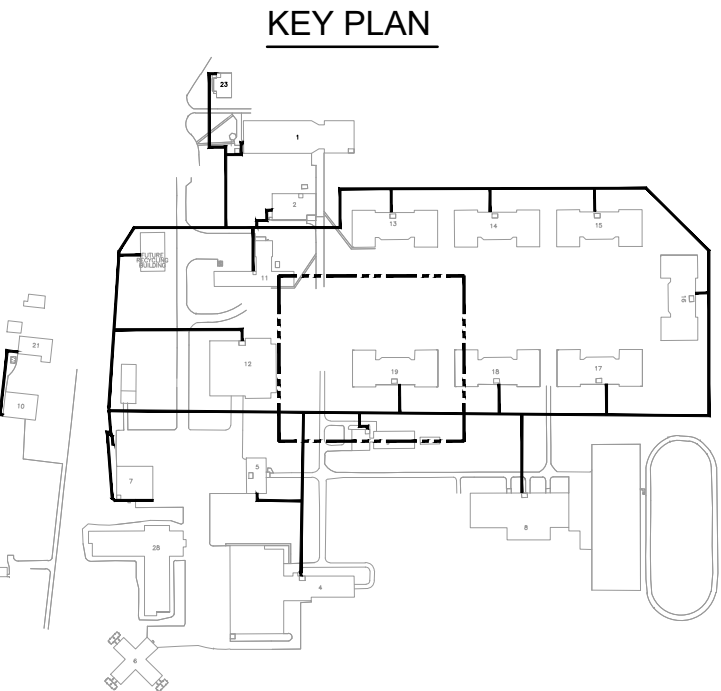
- AT EXISTING STANCHION REMOVAL LOCATIONS, OVERHEAD PIPING AND ELECTRICAL CONDUIT MUST BE TEMPORARILY SUPPORTED. ONCE NEW STANCHIONS ARE INSTALLED, SUSPEND OVERHEAD PIPING AND CONDUIT FROM SUPPORTING STEEL USING CLEVIS HANGERS.
- PIPE STANCHION FOUNDATION PIERS INDICATED ON THESE DRAWINGS ARE FOR BIDDING PURPOSES ONLY. STRUCTURAL STEEL FRAMING ERECTION PLANS AND DETAIL SUBMITTALS SHALL BE BASED ON FIELD SURVEYED LOCATION OF INSTALLED STANCHION PIERS.
- IN ADDITION TO HANGER SUPPORTS INDICATED ON THE DRAWINGS, THE STEEL FABRICATOR SHALL INCLUDE IN THE BID 2 TONS OF ADDITIONAL HANGER STEEL TO BE LOCATED BASED ON THE FINAL APPROVED PIPE LAYOUT AND DETAILS. SEE S-502 FOR HANGER DETAIL INFORMATION.
- REFER TO DRAWINGS M-101 TO M-105 FOR PIPING REMOVALS AND REPLACEMENT.
- THE CONTRACTOR SHALL COORDINATE THE STANCHION LOCATION AND FRAMING PLANS AND DETAILS WITH THE FINAL APPROVED PIPING LAYOUT AND DETAILS PRIOR TO FABRICATION.

STEEL FRAMING LEGEND - TYP.

SYMBOL	REFERENCE DRAWINGS
EXISTING PIPE STANCHION ST-XXX	S-601, S-602
PIPE STANCHION ST-XXX	S-601, S-602
PIPE SUPPORT STEEL	S-603
GUIDE OR	S-502
ANCHOR	S-502
HANGER SUPPORT OR	S-502

STEEL FRAMING LEGEND NOTES

- SEE DRAWINGS S-601 THROUGH S-602 FOR STANCHION SCHEDULES.
- SEE DRAWING S-603 FOR BEAM SCHEDULES.
- SEE DRAWING S-501 FOR FOUNDATION PIER, ANCHOR BOLT AND BASE PLATE DETAILS.
- SEE DRAWING S-502, S-503, AND S-504 FOR TYPICAL CONNECTION DETAILS AND GUIDE, ANCHOR AND HANGER DETAILS.
- SLIDE, GUIDE, ANCHOR AND HANGER LOCATIONS ARE APPROXIMATE AND SHALL NOT OCCUR ON A BEAM WITHIN 2 FT. OF THE END OF THE BEAM.



SAGE ENGINEERING ASSOCIATES, LLP

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CONTRACT:

HVAC

TITLE: REHABILITATE EXTERIOR HEATING SYSTEM STANCHION SUPPORTS

LOCATION: GOUVERNEUR CORRECTIONAL FACILITY
SCOTCH SETTLEMENT ROAD
GOUVERNEUR, NY

CLIENT: DEPARTMENT OF CORRECTIONS
AND COMMUNITY SUPERVISION

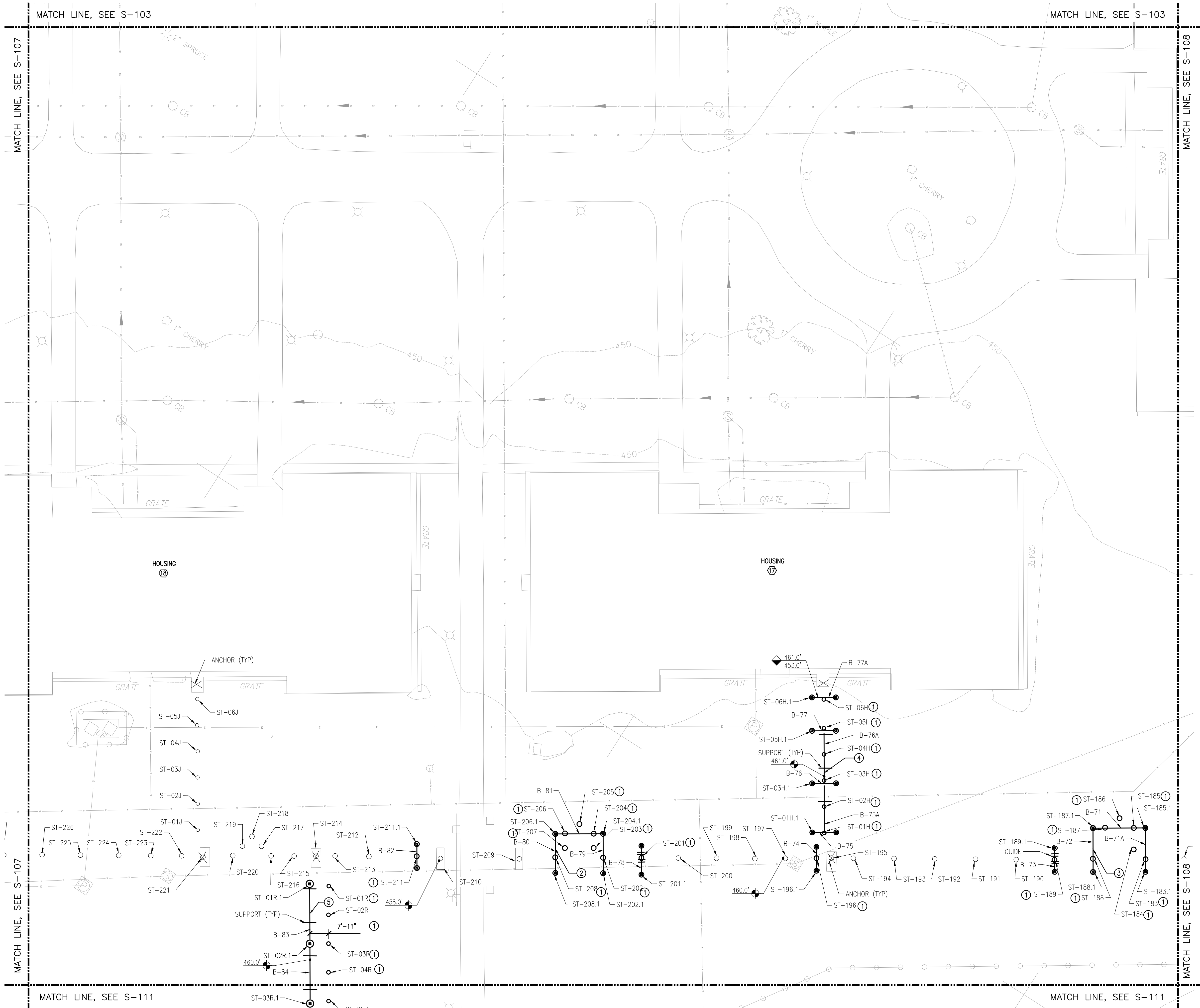
3/10/2020 BID DOCUMENT

PROJECT NUMBER: M3108 - H
DESIGNED BY: KJL
DRAWN BY: JWP
FIELD CHECK: VPD
APPROVED: KJL

SHEET TITLE: PIPING SUPPORT FRAMING PLAN - AREA-F

DRAWING NUMBER:

S-106



1
S-107
STANCHION FRAMING PLAN AREA-G
SCALE: 1"=20'

KEYED NOTES:

- ① REMOVE STEEL STANCHION POST AND CONCRETE FOUNDATION IN ITS ENTIRETY.
- | STANCHION POST AND CONC. FOUNDATION REMOVAL LIST: | |
|---|--------|
| ST-183 | ST-206 |
| ST-184 | ST-207 |
| ST-185 | ST-208 |
| ST-186 | ST-211 |
| ST-187 | ST-01R |
| ST-188 | ST-02R |
| ST-189 | ST-03R |
| ST-196 | ST-04R |
| ST-201 | ST-01H |
| ST-202 | ST-02H |
| ST-203 | ST-03H |
| ST-204 | ST-04H |
| ST-205 | ST-05H |
| | ST-06H |
- ② EXPANSION LOOP LAYOUT: 16'-6"±
- ③ EXPANSION LOOP LAYOUT: 19'-0"±
- ④ SEE M-103 FOR PIPING REMOVALS AND REPLACEMENT.
- ⑤ SEE M-104 FOR PIPING REMOVALS AND REPLACEMENT.

GENERAL NOTES:

- AT EXISTING STANCHION REMOVAL LOCATIONS, OVERHEAD PIPING AND ELECTRICAL CONDUIT MUST BE TEMPORARILY SUPPORTED. ONCE NEW STANCHIONS ARE INSTALLED, SUSPEND OVERHEAD PIPING AND CONDUIT FROM SUPPORTING STEEL USING CLEVIS HANGERS.
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- REFER TO DRAWINGS M-101 TO M-105 FOR PIPING REMOVALS AND REPLACEMENT.
- THE CONTRACTOR SHALL COORDINATE THE STANCHION LOCATION AND FRAMING PLANS AND DETAILS WITH THE FINAL APPROVED PIPING LAYOUT AND DETAILS PRIOR TO FABRICATION.

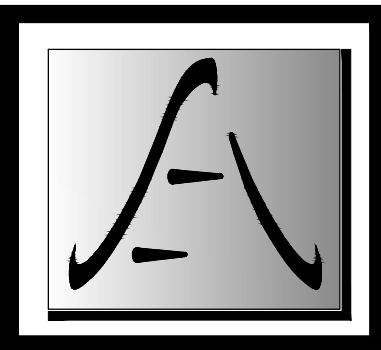
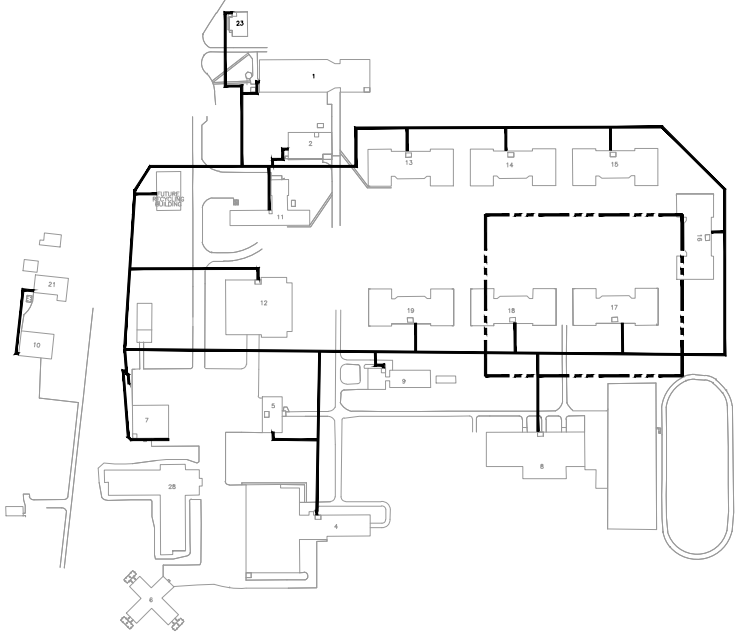
STEEL FRAMING LEGEND - TYP.

SYMBOL	REFERENCE DRAWINGS
EXISTING PIPE STANCHION ST-XXX	S-601, S-602
PIPE STANCHION ST-XXX	S-601, S-602
PIPE SUPPORT STEEL B-XXX	S-603
OR	S-502
OR	S-502
OR	S-502

STEEL FRAMING LEGEND NOTES

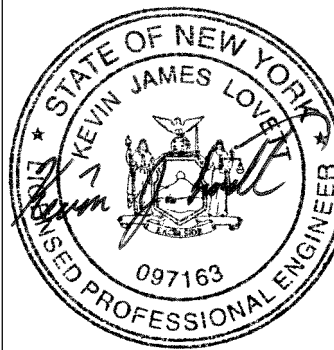
- SEE DRAWINGS S-601 THROUGH S-602 FOR STANCHION SCHEDULES.
- SEE DRAWING S-603 FOR BEAM SCHEDULES.
- SEE DRAWING S-501 FOR FOUNDATION PIER, ANCHOR BOLT AND BASE PLATE DETAILS.
- SEE DRAWING S-502, S-503, AND S-504 FOR TYPICAL CONNECTION DETAILS AND GUIDE, ANCHOR AND HANGER DETAILS.
- SLIDE, GUIDE, ANCHOR AND HANGER LOCATIONS ARE APPROXIMATE AND SHALL NOT OCCUR ON A BEAM WITHIN 2 FT. OF THE END OF THE BEAM.

KEY PLAN



WARNING:

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CONTRACT:

HVAC

TITLE:
REHABILITATE EXTERIOR HEATING SYSTEM STANCHION SUPPORTS

LOCATION:
**GOVERNEUR CORRECTIONAL FACILITY
SCOTCH SETTLEMENT ROAD
GOVERNEUR, NY**

CLIENT:
**DEPARTMENT OF CORRECTIONS
AND COMMUNITY SUPERVISION**

3/10/2020 BID DOCUMENT

PROJECT NUMBER: **M3108 - H**

DESIGNED BY: KJL

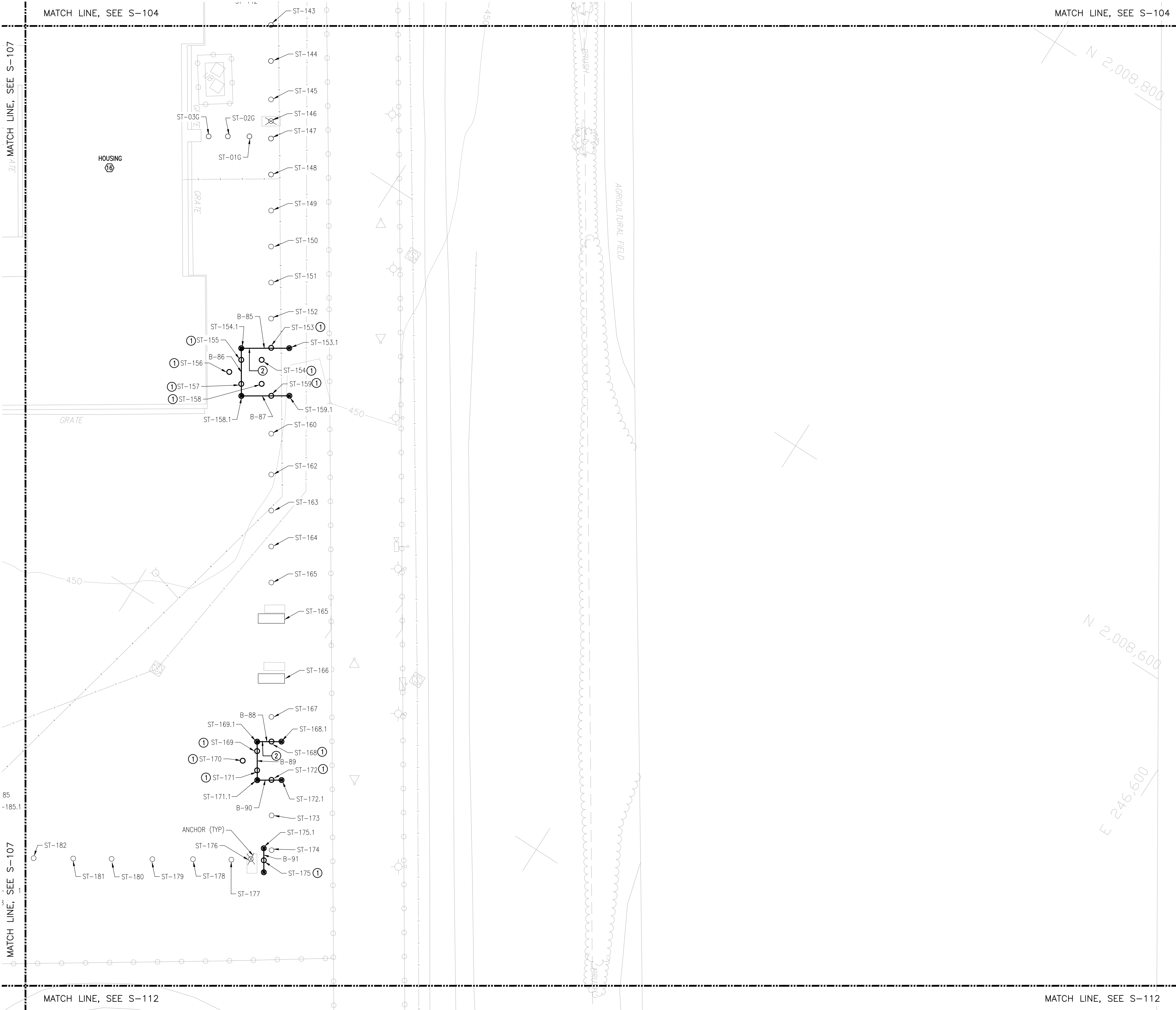
DRAWN BY: JWP

FIELD CHECK: VPD

APPROVED: KJL

SHEET TITLE:
PIPING SUPPORT FRAMING PLAN - AREA-G

DRAWING NUMBER:
S-107



1
S-108

STANCHION FRAMING PLAN AREA-H

SCALE: 1"=20'

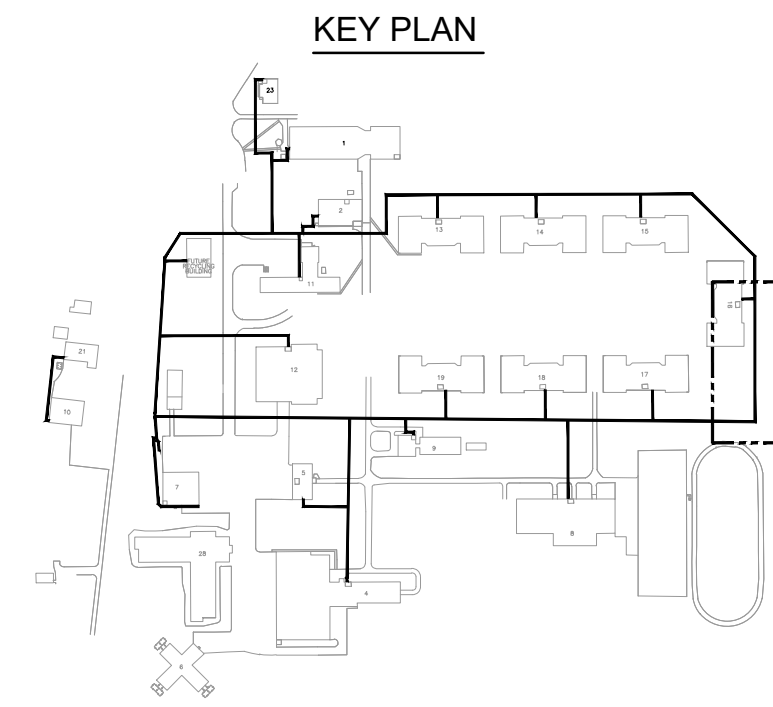


- KEYED NOTES:
- REMOVE STEEL STANCHION POST AND CONCRETE FOUNDATION IN ITS ENTIRETY.
 - EXPANSION LOOP LAYOUT: 20'-0"±
 - EXPANSION LOOP LAYOUT: 10'-6"±
- GENERAL NOTES:
- AT EXISTING STANCHION REMOVAL LOCATIONS, OVERHEAD PIPING AND ELECTRICAL CONDUIT MUST BE TEMPORARILY SUPPORTED. ONCE NEW STANCHIONS ARE INSTALLED, SUSPEND OVERHEAD PIPING AND CONDUIT FROM SUPPORTING STEEL USING CLEVIS HANGERS.
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 - REFER TO DRAWINGS M-101 TO M-105 FOR PIPING REMOVALS AND REPLACEMENT.
 - THE CONTRACTOR SHALL COORDINATE THE STANCHION LOCATION AND FRAMING PLANS AND DETAILS WITH THE FINAL APPROVED PIPING LAYOUT AND DETAILS PRIOR TO FABRICATION.

STEEL FRAMING LEGEND - TYP.

SYMBOL	REFERENCE DRAWINGS
EXISTING PIPE STANCHION ST-XXX	S-601, S-602
PIPE STANCHION ST-XXX	S-601, S-602
B-XXX	S-603
PIPE SUPPORT STEEL	S-502
GUIDE	S-502
ANCHOR	S-502
HANGER SUPPORT	S-502

- STEEL FRAMING LEGEND NOTES
- SEE DRAWINGS S-601 THROUGH S-602 FOR STANCHION SCHEDULES.
 - SEE DRAWING S-603 FOR BEAM SCHEDULES.
 - SEE DRAWING S-501 FOR FOUNDATION PIER, ANCHOR BOLT AND BASE PLATE DETAILS.
 - SEE DRAWINGS S-502, S-503, AND S-504 FOR TYPICAL CONNECTION DETAILS AND GUIDE, ANCHOR AND HANGER DETAILS.
 - SLIDE, GUIDE, ANCHOR AND HANGER LOCATIONS ARE APPROXIMATE AND SHALL NOT OCCUR ON A BEAM WITHIN 2 FT. OF THE END OF THE BEAM.



NEW YORK STATE OF OPPORTUNITY

Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

SAGE ENGINEERING ASSOCIATES, LLP

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STATE OF NEW YORK
JAMES LOUIS
197163
PROFESSIONAL ENGINEER

CONTRACT:

HVAC

TITLE:

REHABILITATE EXTERIOR HEATING SYSTEM STANCHION SUPPORTS

LOCATION:

GOVERNEUR CORRECTIONAL FACILITY
SCOTCH SETTLEMENT ROAD
GOVERNEUR, NY

CLIENT:

DEPARTMENT OF CORRECTIONS
AND COMMUNITY SUPERVISION

3/10/2020

BID DOCUMENT

MARK

DATE

DESCRIPTION

PROJECT NUMBER:

M3108 — H

DESIGNED BY:

KJL

DRAWN BY:

JWP

FIELD CHECK:

VPD

APPROVED:

KJL

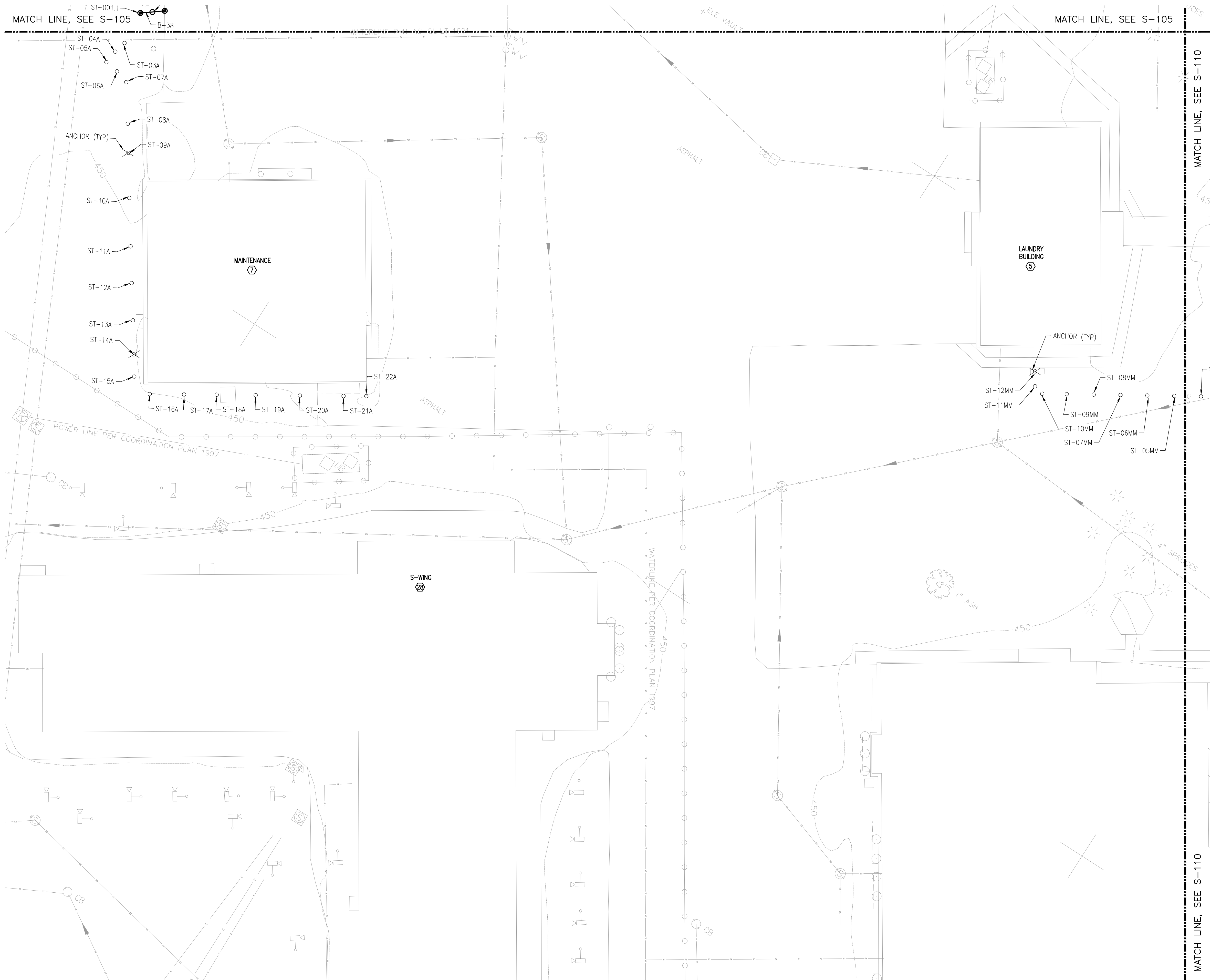
SHEET TITLE:

PIPING SUPPORT FRAMING PLAN — AREA-H

DRAWING NUMBER:

S-108

SHEET 34 OF 45

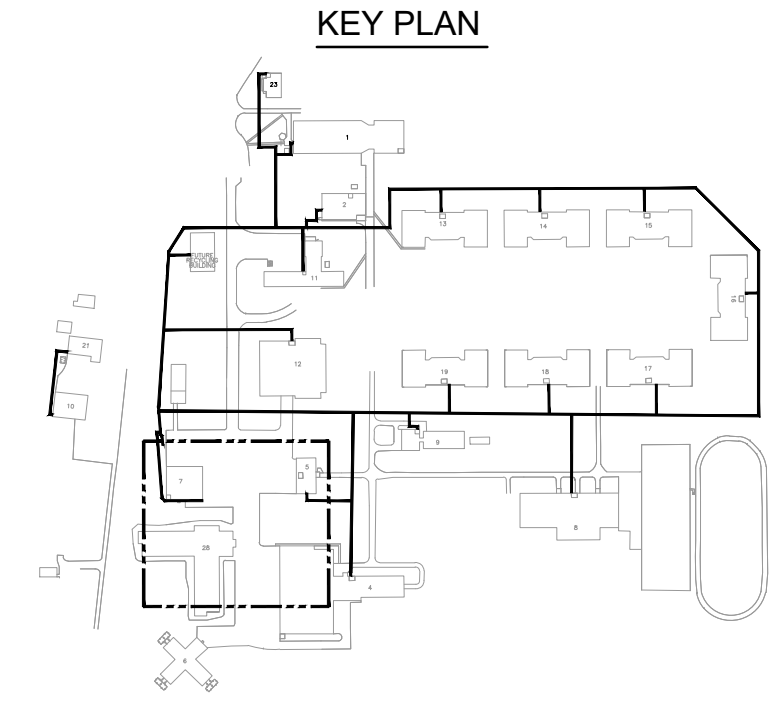


- GENERAL NOTES:**
- AT EXISTING STANCHION REMOVAL LOCATIONS, OVERHEAD PIPING AND ELECTRICAL CONDUIT MUST BE TEMPORARILY SUPPORTED. ONCE NEW STANCHIONS ARE INSTALLED, SUSPEND OVERHEAD PIPING AND CONDUIT FROM SUPPORTING STEEL USING CLEVIS HANGERS.
 - PIPE STANCHION FOUNDATION PIERS INDICATED ON THESE DRAWINGS ARE FOR BIDDING PURPOSES ONLY. STRUCTURAL STEEL FRAMING ERECTION PLANS AND DETAIL SUBMITTALS SHALL BE BASED ON FIELD SURVEYED LOCATION OF INSTALLED STANCHION PIERS.
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 - REFER TO DRAWINGS M-101 TO M-105 FOR PIPING REMOVALS AND REPLACEMENT.
 - THE CONTRACTOR SHALL COORDINATE THE STANCHION LOCATION AND FRAMING PLANS AND DETAILS WITH THE FINAL APPROVED PIPING LAYOUT AND DETAILS PRIOR TO FABRICATION.
 - NO STRUCTURAL WORK IN THIS AREA. DRAWING INCLUDED FOR UNIFORMITY.

STEEL FRAMING LEGEND - TYP.

SYMBOL	REFERENCE DRAWINGS
EXISTING PIPE STANCHION ST-XXX	S-601, S-602
PIPE STANCHION ST-XXX	S-601, S-602
B-XXX	S-603
PIPE SUPPORT STEEL	S-502
OR GUIDE	S-502
OR ANCHOR	S-502
OR HANGER SUPPORT	S-502

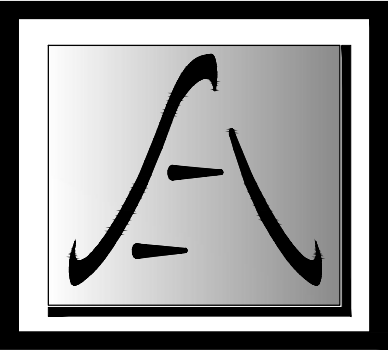
- STEEL FRAMING LEGEND NOTES**
- SEE DRAWINGS S-601 THROUGH S-602 FOR STANCHION SCHEDULES.
 - SEE DRAWING S-603 FOR BEAM SCHEDULES.
 - SEE DRAWING S-501 FOR FOUNDATION PIER, ANCHOR BOLT AND BASE PLATE DETAILS.
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1
S-109 STANCHION FRAMING PLAN AREA-I
SCALE: 1"=20'



CONSULTANT



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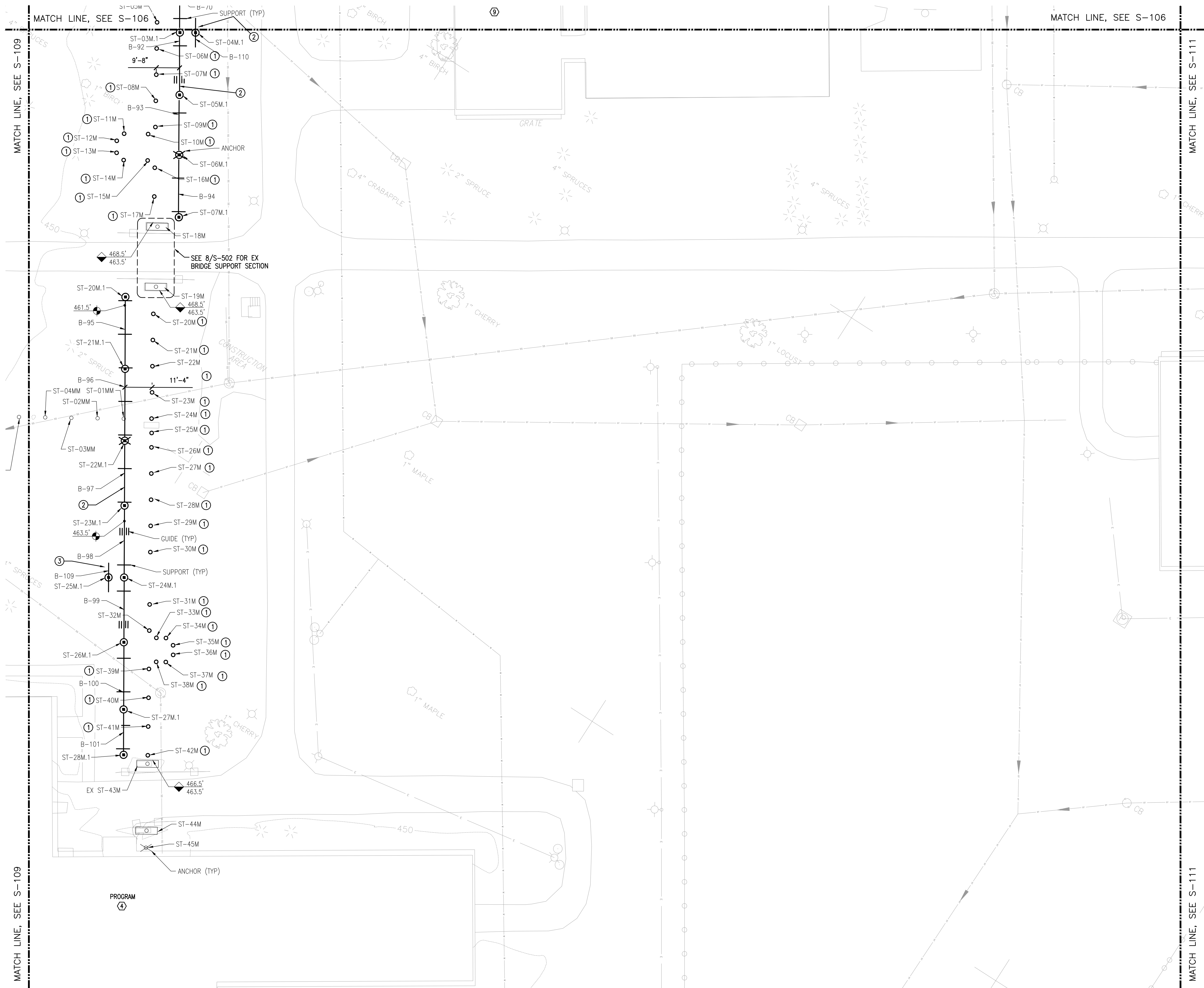


CONTRACT: HVAC
TITLE: REHABILITATE EXTERIOR HEATING SYSTEM STANCHION SUPPORTS
LOCATION: GOUVERNEUR CORRECTIONAL FACILITY
SCOTCH SETTLEMENT ROAD
GOUVERNEUR, NY
CLIENT: DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION

	3/10/2020	BID DOCUMENT
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	M3108 - H	
DESIGNED BY:	KJL	
DRAWN BY:	JWP	
FIELD CHECK:	VPD	
APPROVED:	KJL	

SHEET TITLE:
PIPING SUPPORT FRAMING PLAN - AREA-I

DRAWING NUMBER:
S-109



1
S-110

STANCHION FRAMING PLAN AREA-J

SCALE: 1"=20'



KEYED NOTES:

- REMOVE STEEL STANCHION POST AND CONCRETE FOUNDATION IN ITS ENTIRETY.

STANCHION POST AND CONC. FOUNDATION REMOVAL LIST:		
ST-06M	ST-14M	ST-26M
ST-07M	ST-15M	ST-27M
ST-08M	ST-16M	ST-28M
ST-09M	ST-17M	ST-29M
ST-10M	ST-18M	ST-30M
ST-11M	ST-19M	ST-31M
ST-12M	ST-20M	ST-32M
ST-13M	ST-21M	ST-33M
	ST-22M	ST-34M
	ST-23M	ST-35M
- EXPANSION LOOP LAYOUT:

SEE DETAIL 6/S-504
- EXPANSION LOOP LAYOUT:

SEE DETAIL 6/S-504
- SEE M-105 FOR PIPING REMOVALS AND REPLACEMENT.

GENERAL NOTES:

- AT EXISTING STANCHION REMOVAL LOCATIONS, OVERHEAD PIPING AND ELECTRICAL CONDUIT MUST BE TEMPORARILY SUPPORTED. ONCE NEW STANCHIONS ARE INSTALLED, SUSPEND OVERHEAD PIPING AND CONDUIT FROM SUPPORTING STEEL USING CLEVIS HANGERS.
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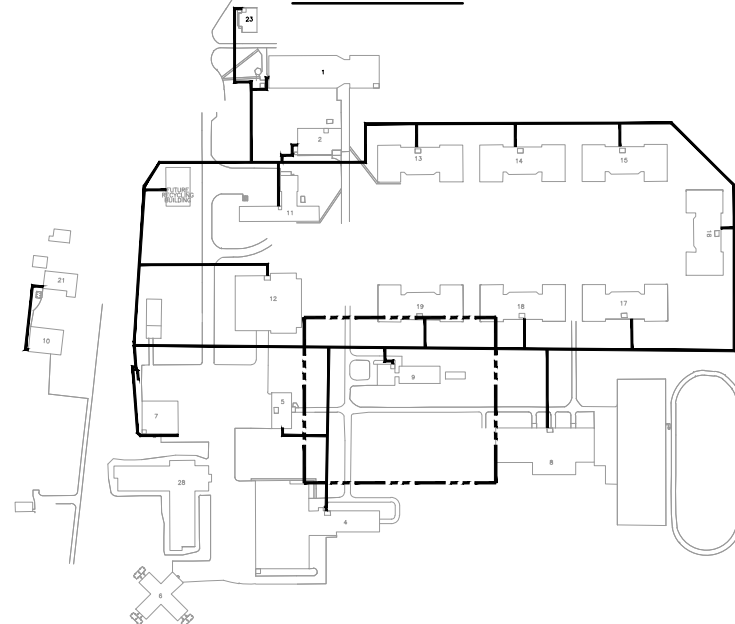
STEEL FRAMING LEGEND - TYP.

SYMBOL	REFERENCE DRAWINGS
 EXISTING PIPE STANCHION ST-XXX	S-601, S-602
 PIPE STANCHION ST-XXX	S-601, S-602
 B-XXX PIPE SUPPORT STEEL	S-603
 OR GUIDE	S-502
 OR ANCHOR	S-502
 OR HANGER SUPPORT	S-502

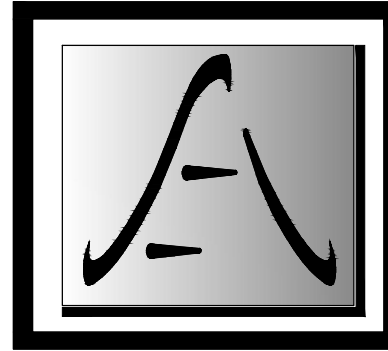
STEEL FRAMING LEGEND NOTES

- SEE DRAWINGS S-601 THROUGH S-602 FOR STANCHION SCHEDULES.
- SEE DRAWING S-603 FOR BEAM SCHEDULES.
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KEY PLAN



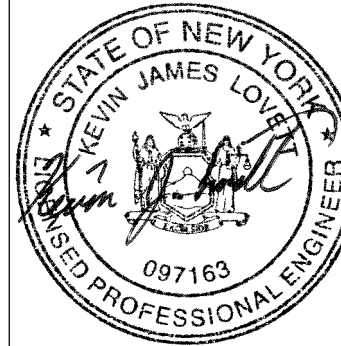
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CONTRACT:

HVAC

TITLE:
REHABILITATE EXTERIOR
HEATING SYSTEM STANCHION
SUPPORTS

LOCATION:
GOVERNEUR CORRECTIONAL FACILITY
SCOTCH SETTLEMENT ROAD
GOVERNEUR, NY

CLIENT:
DEPARTMENT OF CORRECTIONS
AND COMMUNITY SUPERVISION

3/10/2020
DATE
MARK
DESCRIPTION
BID DOCUMENT

PROJECT
NUMBER:
M3108 — H

DESIGNED BY: KJL

DRAWN BY: JWP

FIELD CHECK: VPD

APPROVED: KJL

SHEET TITLE:

PIPING SUPPORT FRAMING
PLAN — AREA-J

DRAWING NUMBER:

S-110



1 STANCHION FRAMING PLAN AREA-L
S-112 SCALE: 1"=20'

KEYED NOTES:

- 1 REMOVE STEEL STANCHION POST AND CONCRETE FOUNDATION IN ITS ENTIRETY.

STANCHION POST AND CONC. FOUNDATION REMOVAL LIST:

ST-B12
ST-B15

GENERAL NOTES:

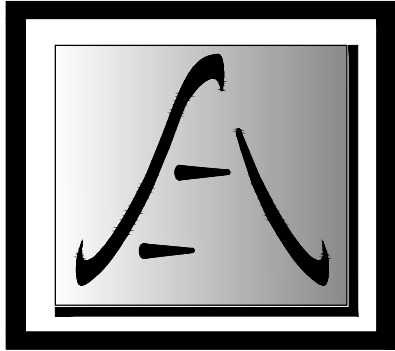
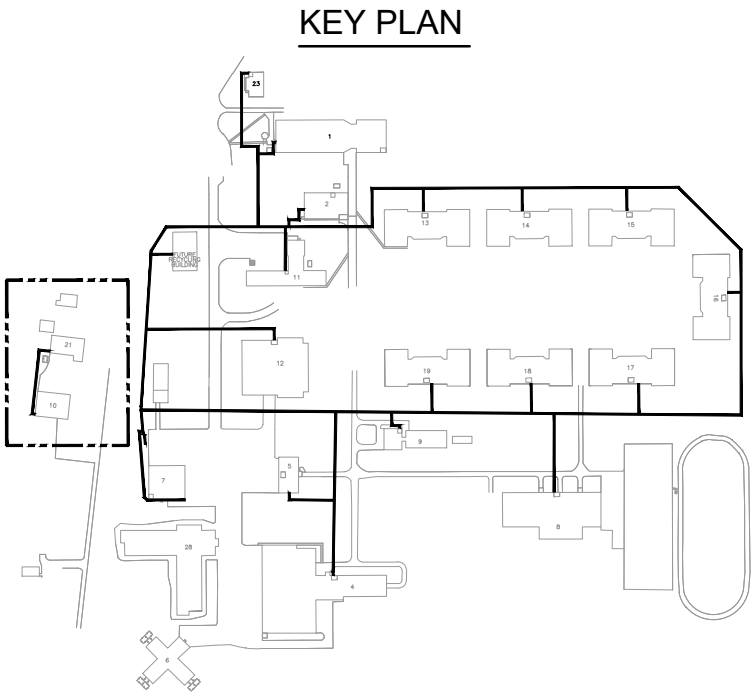
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STEEL FRAMING LEGEND - TYP.

SYMBOL	REFERENCE DRAWINGS
EXISTING PIPE STANCHION ST-XXX	S-601, S-602
PIPE STANCHION ST-XXX	S-601, S-602
B-XXX	S-603
OR GUIDE	S-502
OR ANCHOR	S-502
OR HANGER SUPPORT	S-502

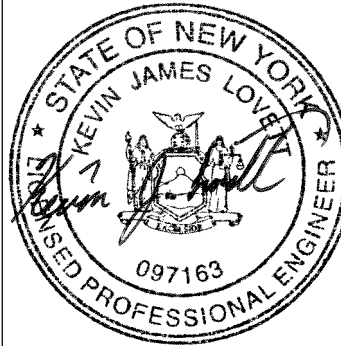
STEEL FRAMING LEGEND NOTES

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CONTRACT: HWAC

TITLE: REHABILITATE EXTERIOR HEATING SYSTEM STANCHION SUPPORTS

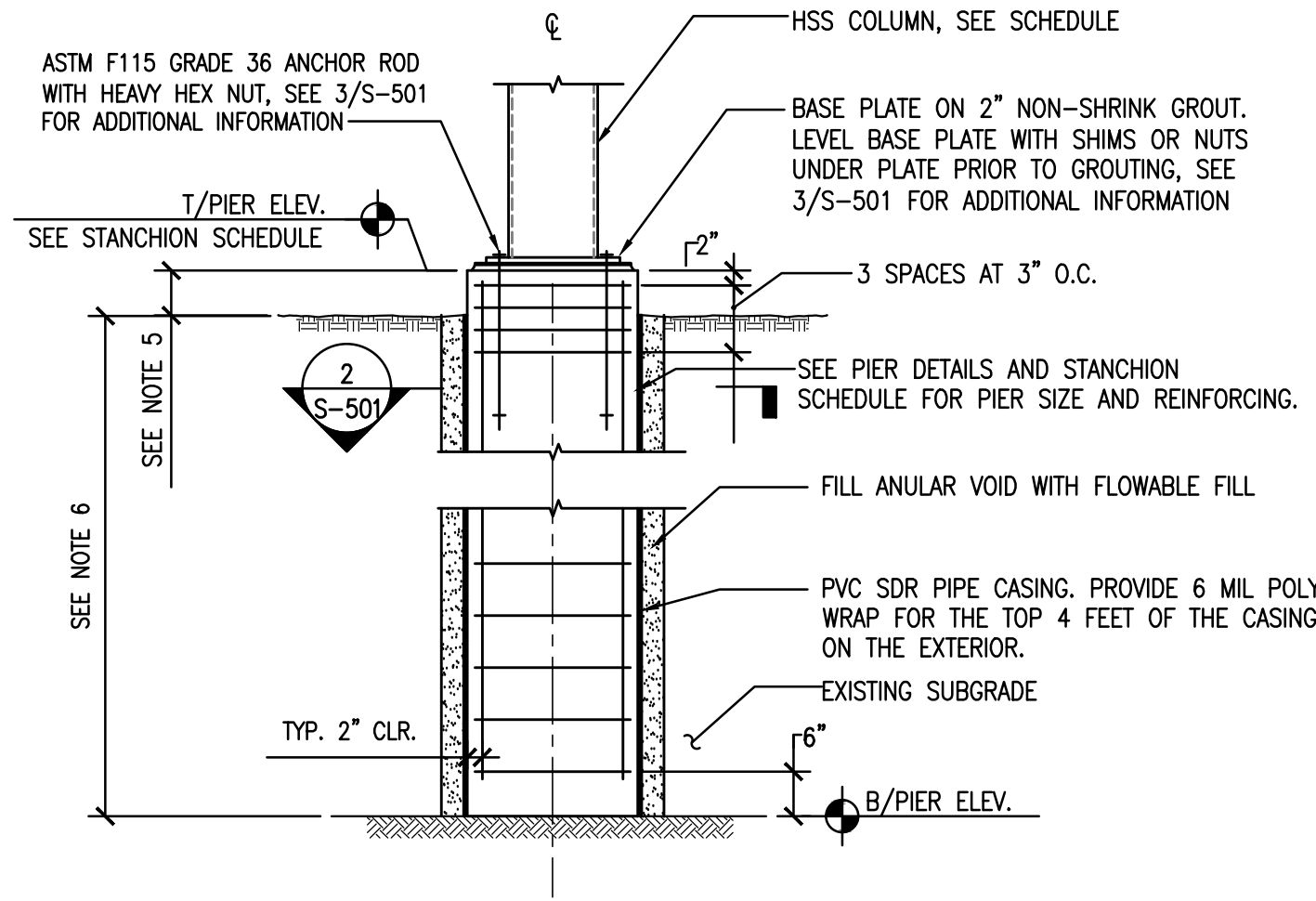
LOCATION: GOUVERNEUR CORRECTIONAL FACILITY
SCOTCH SETTLEMENT ROAD
GOUVERNEUR, NY

CLIENT: DEPARTMENT OF CORRECTIONS
AND COMMUNITY SUPERVISION

	3/10/2020	BID DOCUMENT
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	M3108 — H	
DESIGNED BY:	KJL	
DRAWN BY:	JWP	
FIELD CHECK:	VPD	
APPROVED:	KJL	

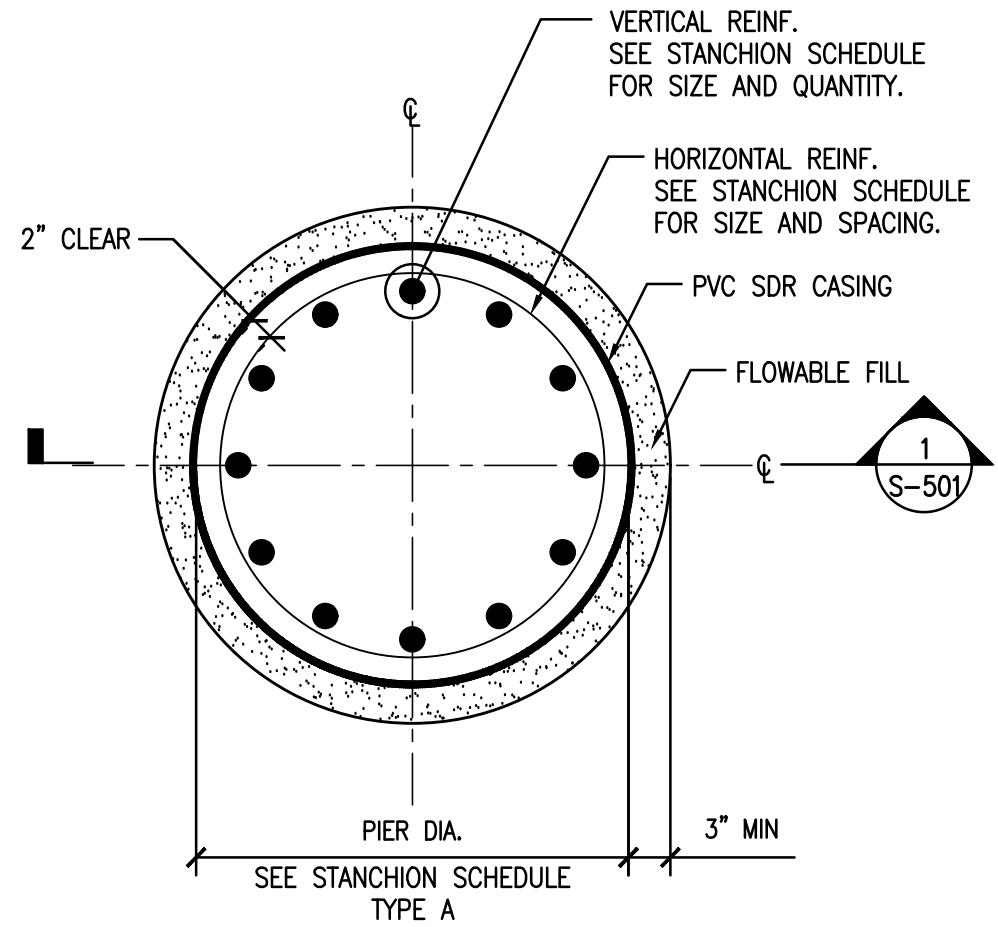
SHEET TITLE:
PIPING SUPPORT FRAMING
PLAN — AREA-L

DRAWING NUMBER:
S-112



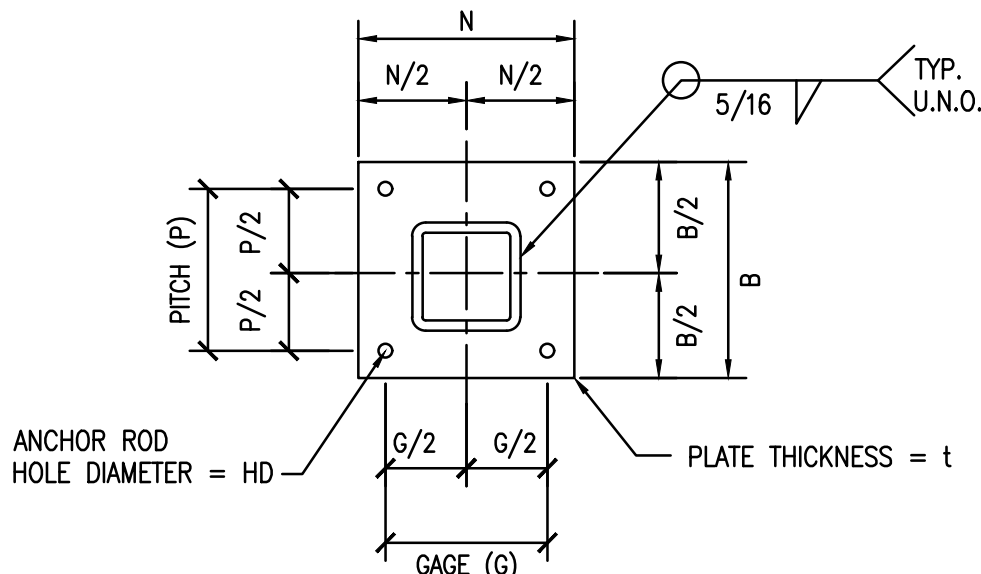
NOTES:

- PIER INSTALLATION METHODS, EQUIPMENT AND MATERIALS SHALL BE PROVIDED IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
- ADVANCE PIER SHAFTS TO REQUIRED DEPTH UTILIZING ROTARY DRILLING TECHNIQUES OR VACUUM EXCAVATION TECHNIQUES.
- OVER EXCAVATE HOLE MINIMUM 6 INCHES BASED ON NOMINAL PIER DIAMETER LISTED IN THE STANCHION SCHEDULES. PLACE CONCRETE WITH A PERMANENT SDR PVC CASING. PLACE FLOWABLE FILL IN THE ANNULAR SPACE OUTSIDE THE PVC CASING IN ORDER TO PERFORM THE "GROUTING" FUNCTION THAT IS PERMITTED IN THE ACI 336.1 PARAGRAPH 2.5 AND OPTIONAL CHECKLIST ITEM 2.5. WHERE SOIL IS FOUND TO BE UNSTABLE, OVER-EXCAVATE AND BACKFILL ADJACENT SOILS USING AN APPROVED SELECT GRANULAR MATERIAL.
- PIER SHALL BE REINFORCED AS INDICATED IN THE STANCHION SCHEDULE. UTILIZE CENTRALIZERS TO PROVIDE A MINIMUM OF 2" OF CONCRETE COVER.
- PROVIDE A CLEAR, WATER-BASED, 40% SILANE PENETRATING SEALER TO ALL EXPOSED CONCRETE SURFACES AND TO CONCRETE SURFACES 6" BELOW FINISHED GRADE.
- CONTRACTOR TO VERIFY EXISTING GRADE PRIOR TO PLACEMENT OF CONCRETE AND FABRICATION OF STEEL. SEE STANCHION SCHEDULE FOR PIER EXTENSION ABOVE GRADE.
- REFER TO STANCHION SCHEDULE FOR REQUIRED DEPTH OF EMBEDMENT, MIN 6'-0".



2 STANCHION FOUNDATION PIER DETAIL
S-501 SCALE: NOT TO SCALE

COLUMN BASE PLATE AND ANCHOR ROD SCHEDULE											
BASE PLATE TYPE	BASE PLATE SIZE						ANCHOR RODS				
	B	t	N	HD	GAGE	PITCH	GRADE	QUANTITY	DIAMETER	EMBEDMENT	MIN. WASHER SIZE, IN.
BP-1	14"	1"	14"	1	5/16"	10"	36	4	3/4"	18"	2
BP-2	20"	1"	20"	2	1/16"	14"	36	4	1"	18"	3



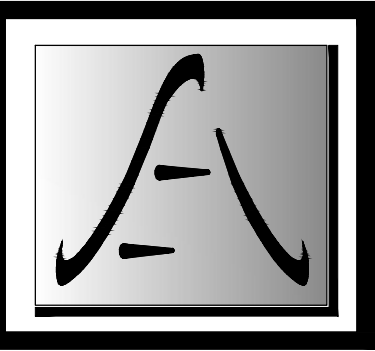
3 COLUMN BASE PLATE SCHEDULE
S-501 SCALE: NOT TO SCALE

NOTE:

- FIELD WELD PLATE WASHERS TO BASE PLATE AT PIPE ANCHOR LOCATIONS. 1/4" FILLET WELD ALL AROUND.

1 TYPICAL SECTION AT STANCHION PIER
S-501 SCALE: NOT TO SCALE

CONSULTANT



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CONTRACT:

HVAC

TITLE:

REHABILITATE EXTERIOR HEATING SYSTEM STANCHION SUPPORTS

LOCATION:

GOVERNEUR CORRECTIONAL FACILITY
SCOTCH SETTLEMENT ROAD
GOVERNEUR, NY

CLIENT:

DEPARTMENT OF CORRECTIONS
AND COMMUNITY SUPERVISION

	3/10/2020	BID DOCUMENT
MARK	DATE	DESCRIPTION

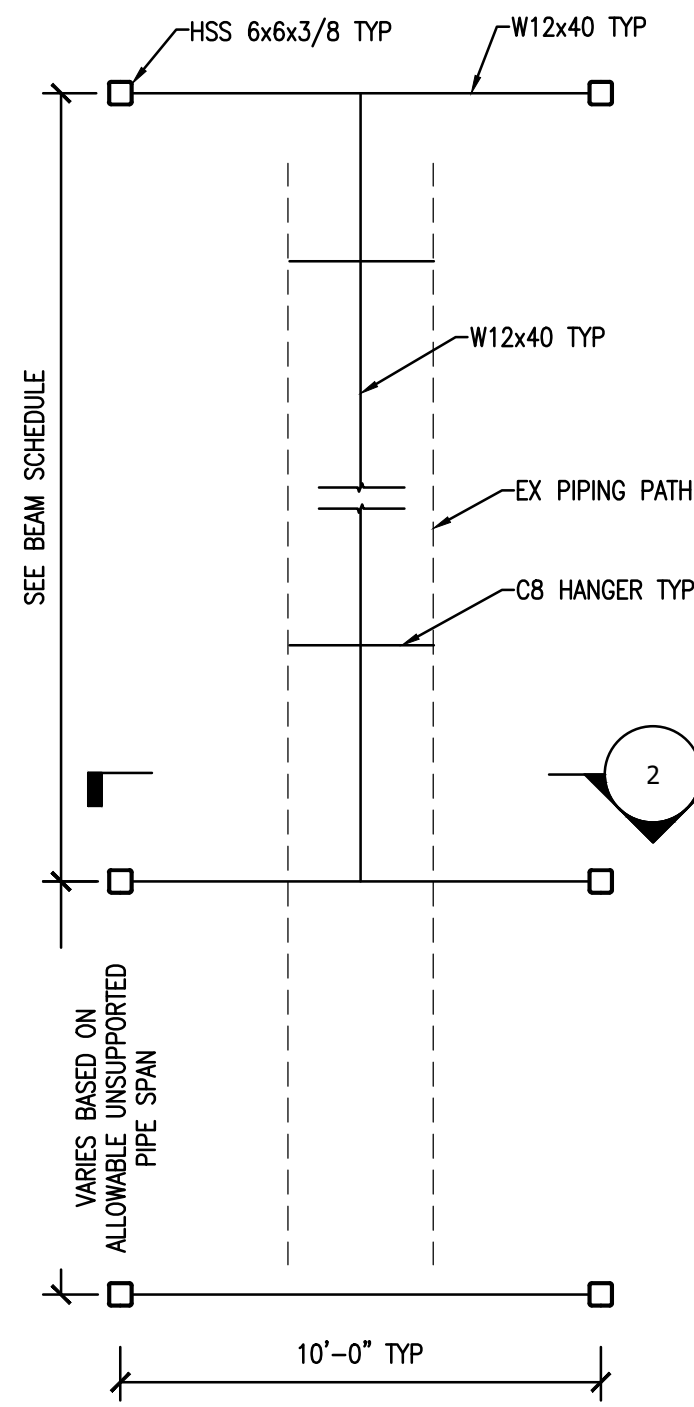
PROJECT NUMBER:	M3108 — H
DESIGNED BY:	KJL
DRAWN BY:	JWP
FIELD CHECK:	VPD
APPROVED:	KJL

SHEET TITLE:

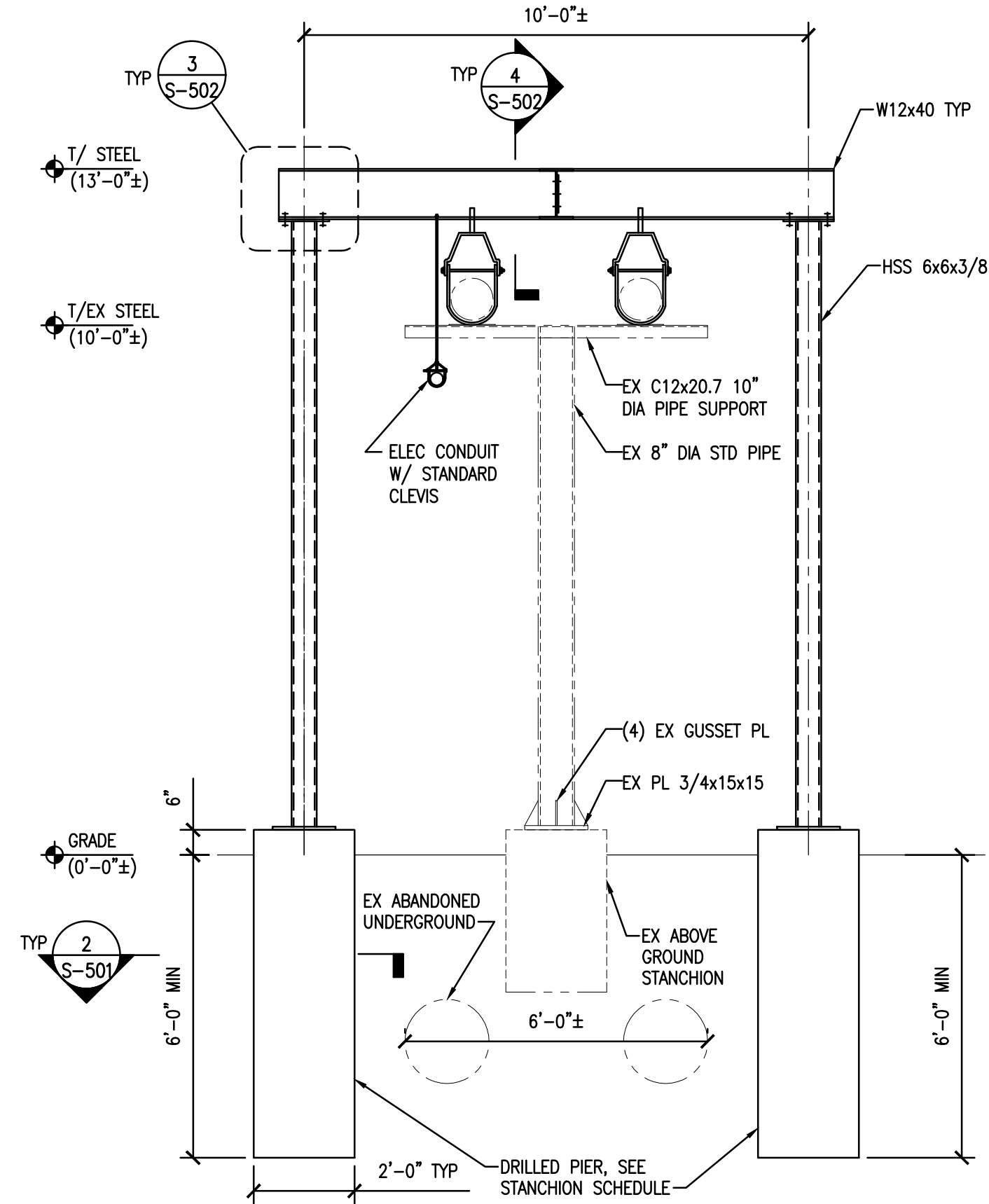
TYPICAL STANCHION
AND DETAILS SECTIONS

DRAWING NUMBER:

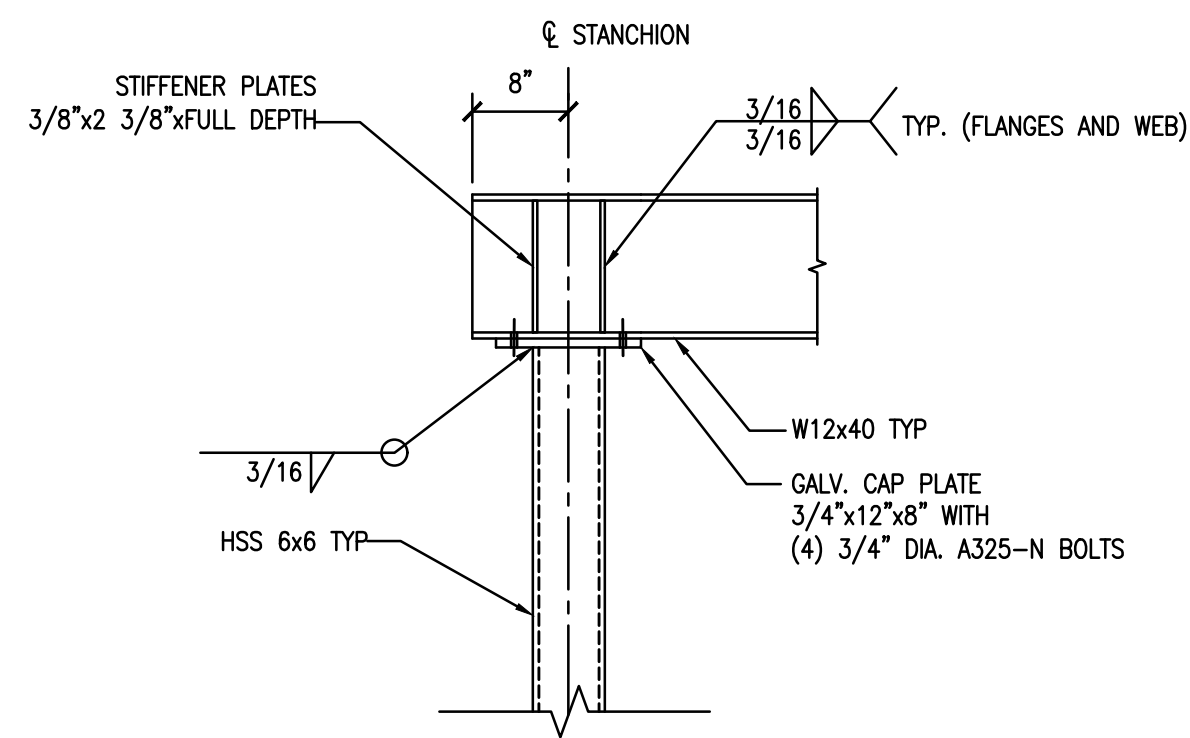
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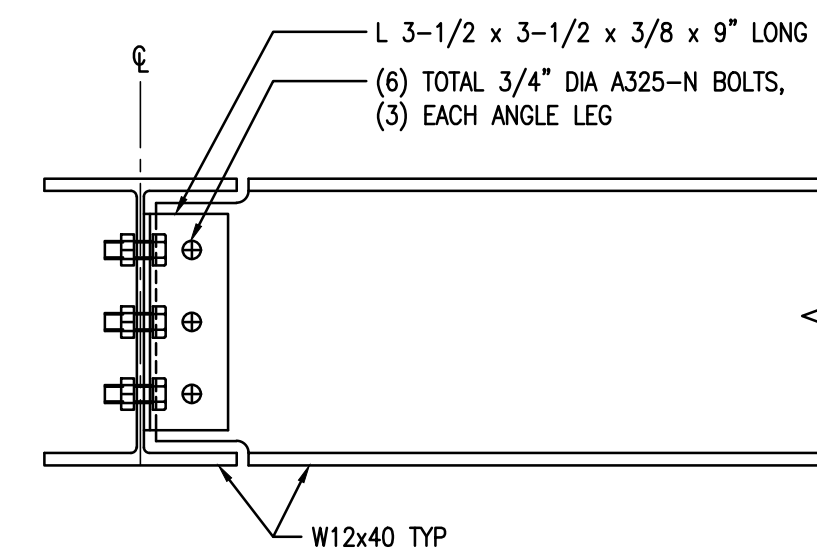
1 TYP STANCHION SUPPORT PLAN
S-502 SCALE: NOT TO SCALE



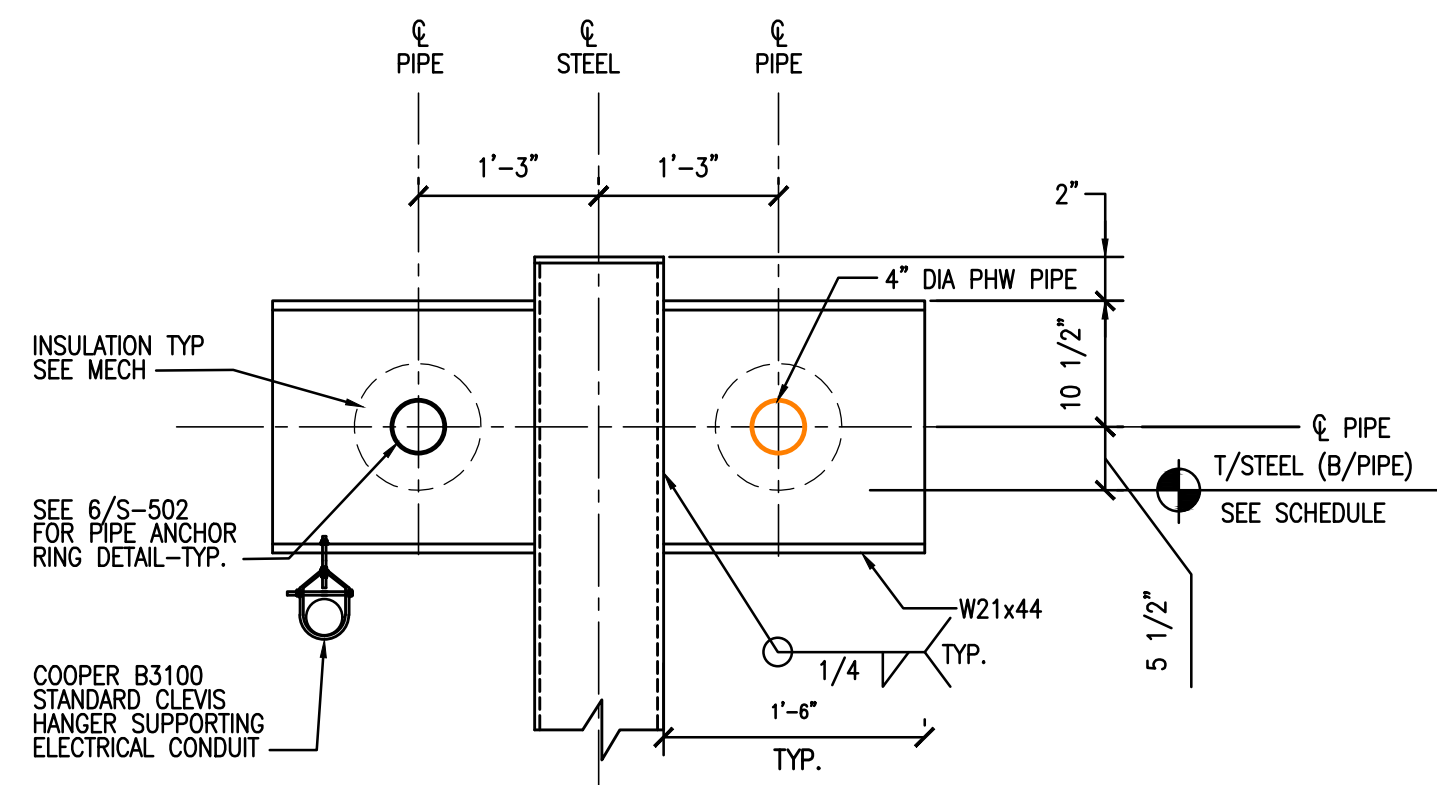
2 TYP STANCHION SUPPORT SECTION
S-502 SCALE: NOT TO SCALE



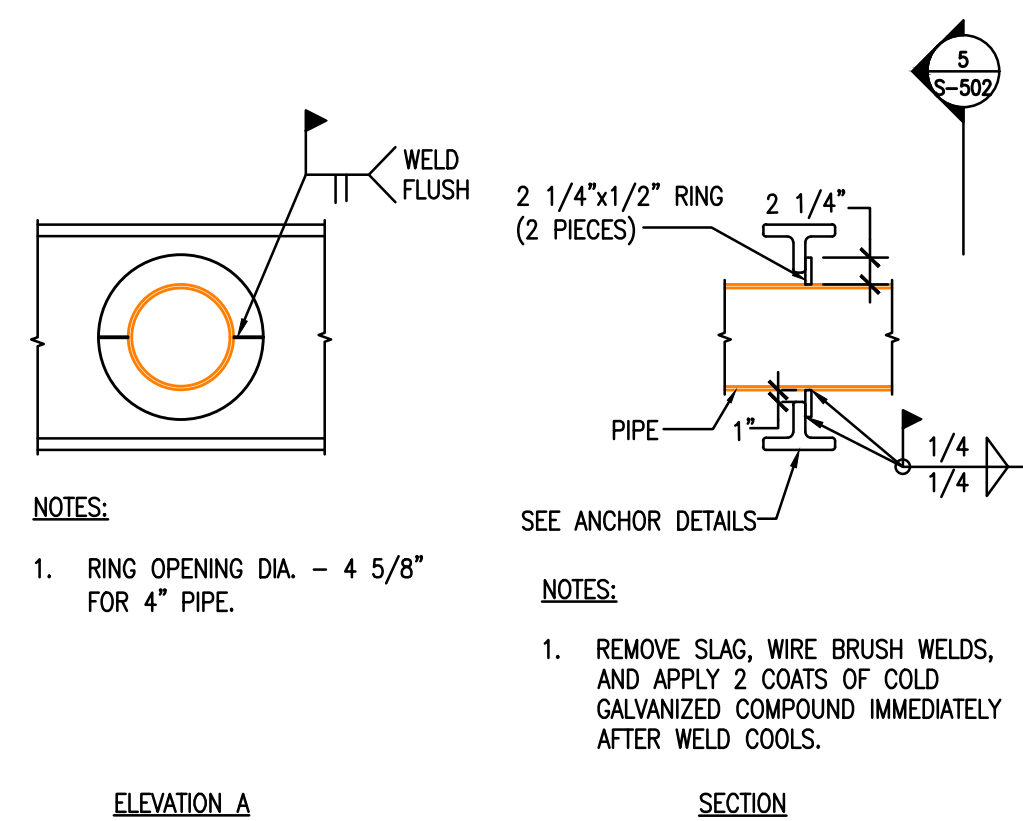
3 TYP STANCHION CONNECTION
S-502 SCALE: NOT TO SCALE



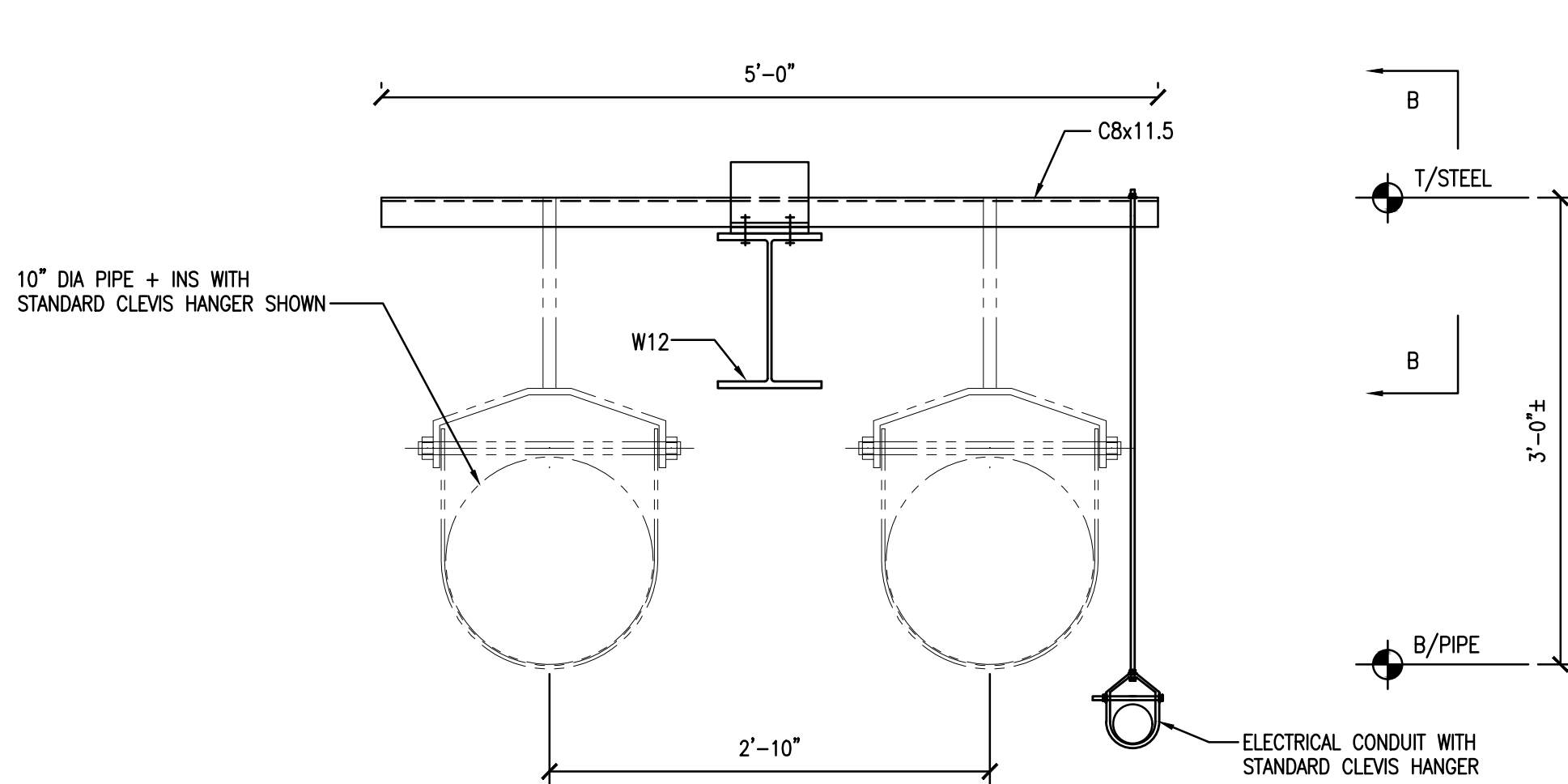
4 TYP BEAM CONNECTION
S-502 SCALE: NOT TO SCALE



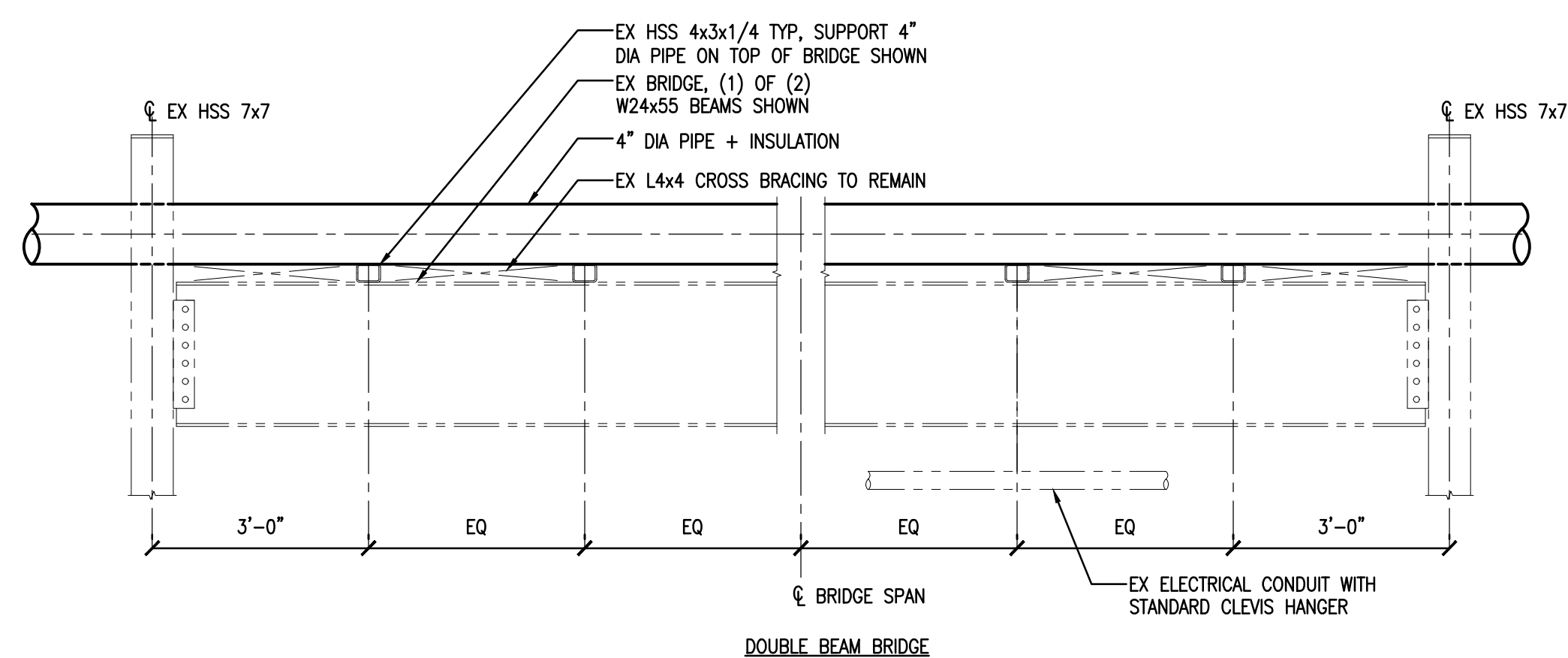
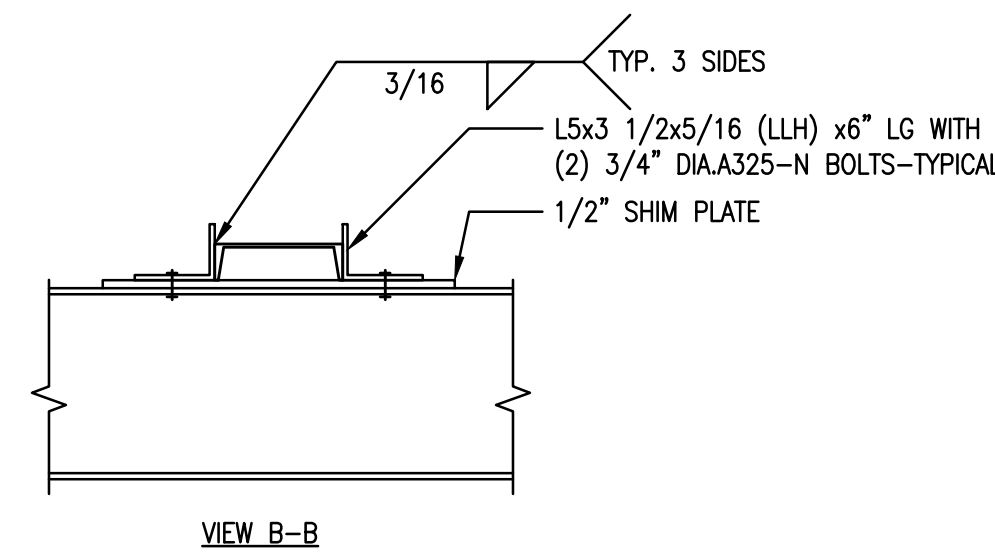
5 TYP PIPING ANCHOR DETAIL
S-502 SCALE: NOT TO SCALE



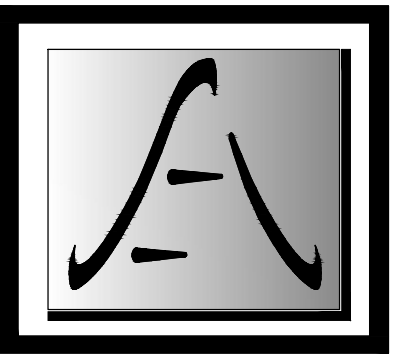
6 TYP PIPING ANCHOR RING DETAIL
S-502 SCALE: NOT TO SCALE



7 TYP PIPING SUPPORT SECTION
S-502 SCALE: NOT TO SCALE



8 EX BRIDGE SUPPORT SECTION
S-502 SCALE: NOT TO SCALE



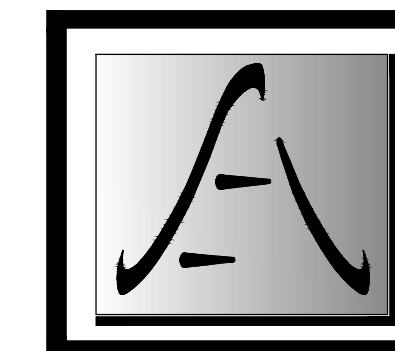
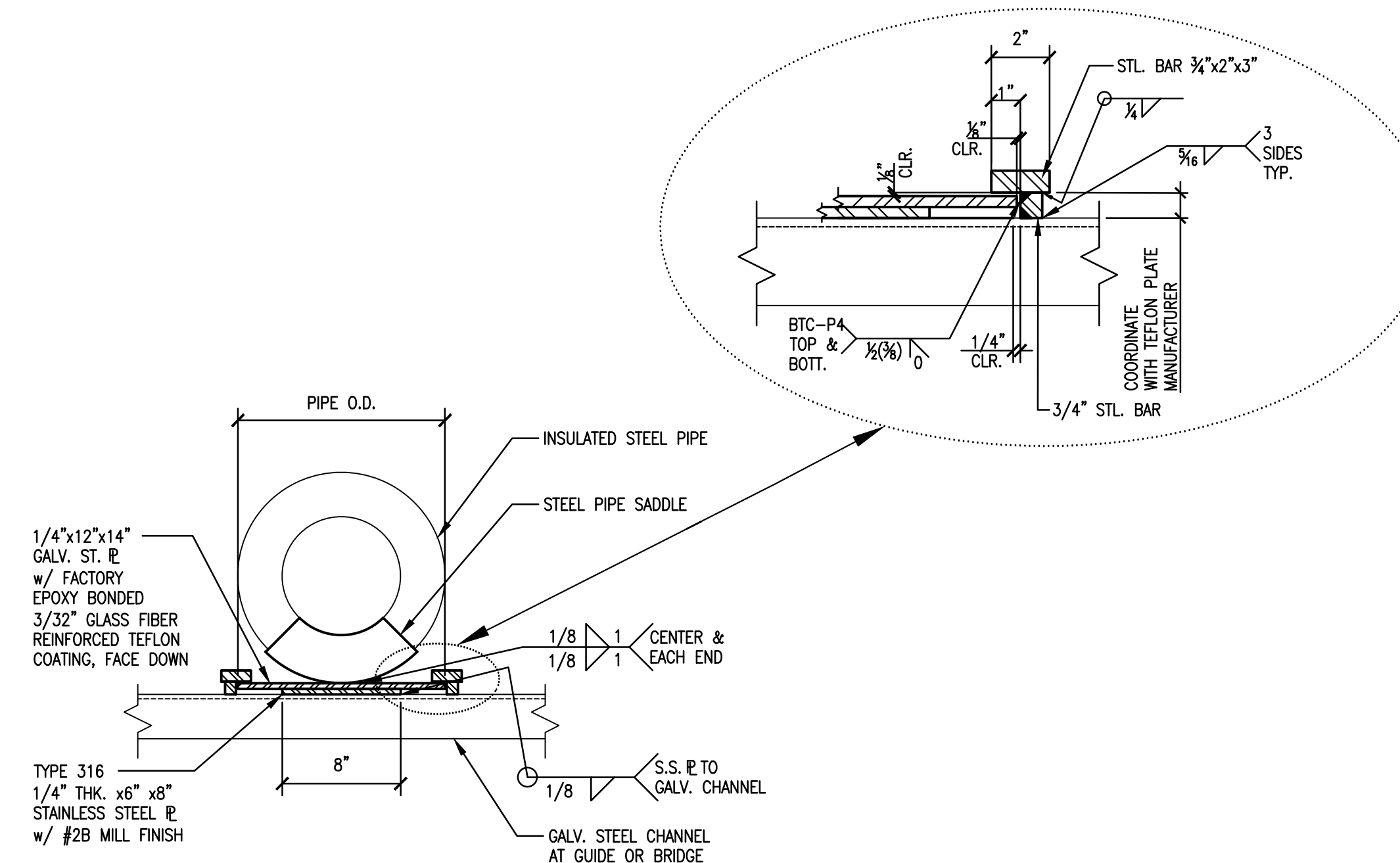
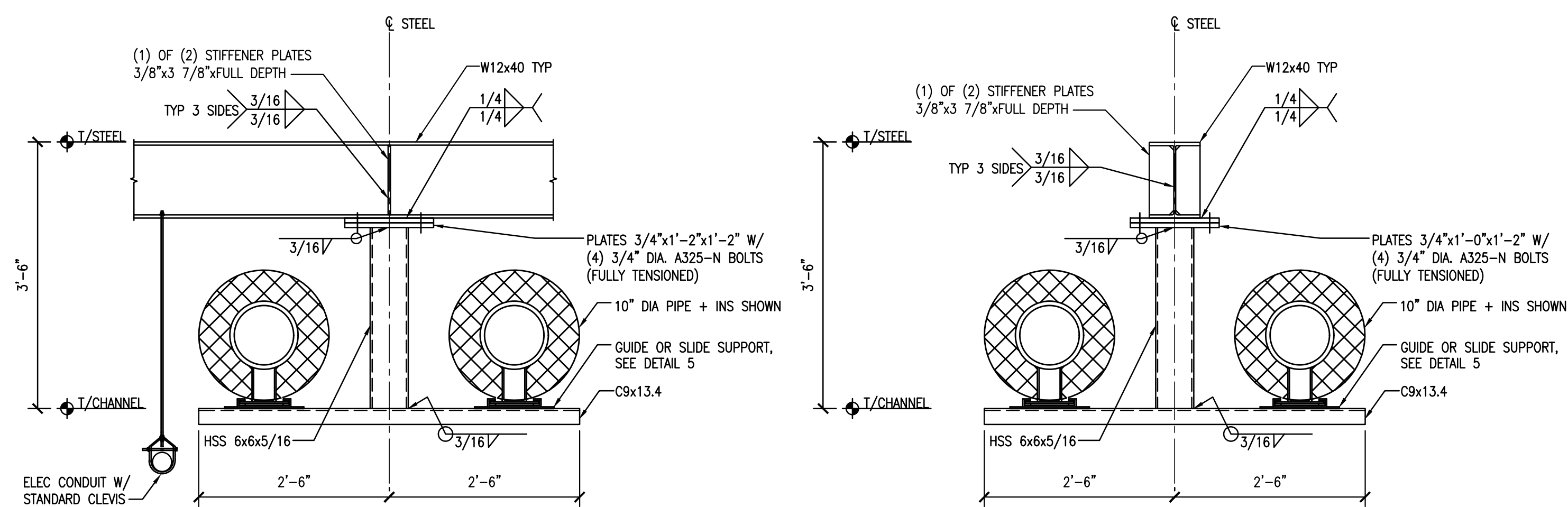
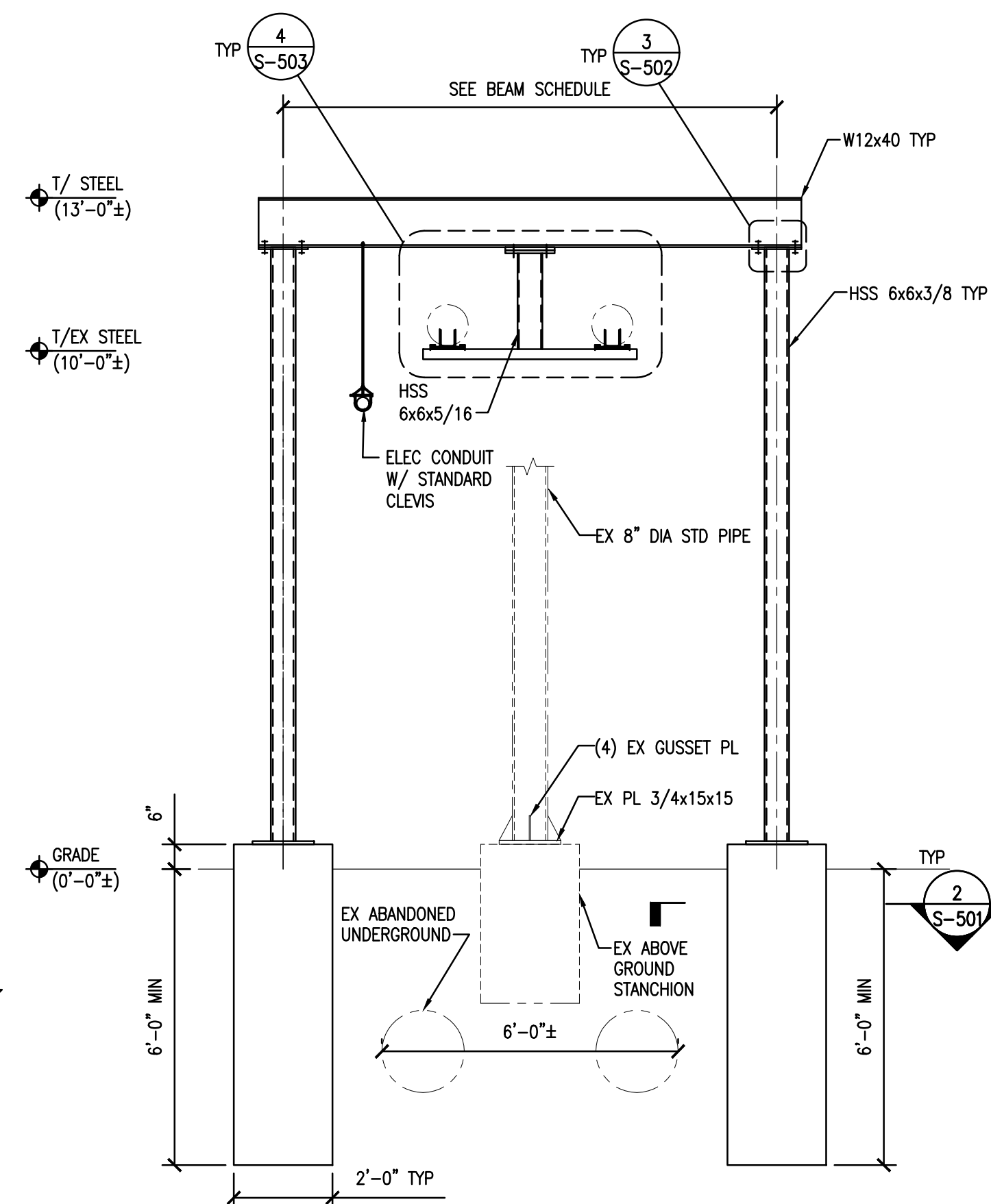
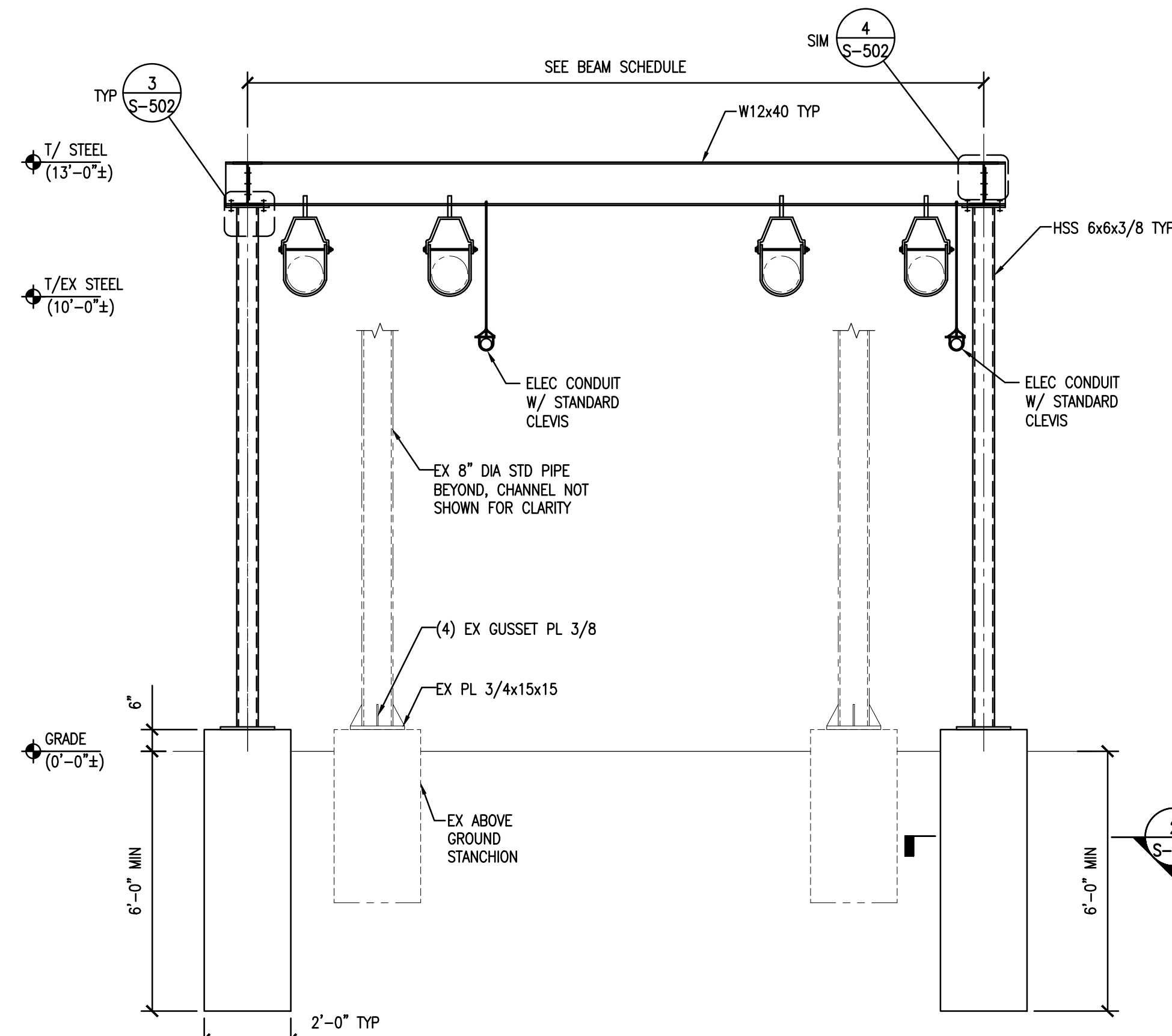
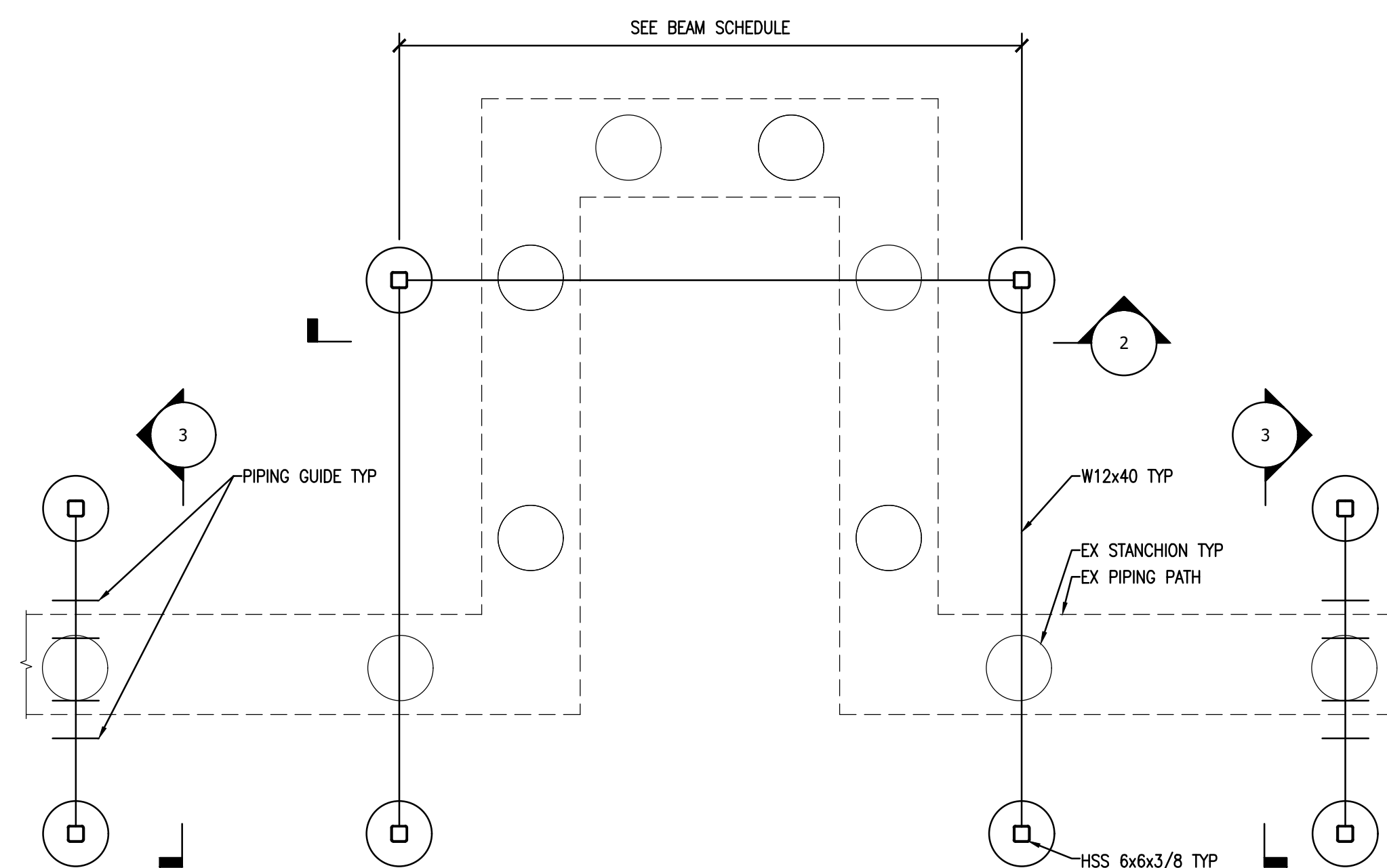
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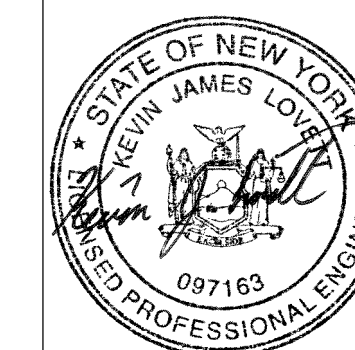
CONTRACT: HVAC
TITLE: REHABILITATE EXTERIOR HEATING SYSTEM STANCHION SUPPORTS
LOCATION: GOUVERNEUR CORRECTIONAL FACILITY SCOTCH SETTLEMENT ROAD GOUVERNEUR, NY
CLIENT: DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION

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DESIGNED BY:	KJL	
DRAWN BY:	JWP	
FIELD CHECK:	VPD	
APPROVED:	KJL	
SHEET TITLE:	TYPICAL PIPING SUPPORT DETAILS	
DRAWING NUMBER:	S-502	
SHEET	40	OF 45



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: HVAC

TITLE: REHABILITATE EXTERIOR
HEATING SYSTEM STANCHION
SUPPORTS

LOCATION:
GOUVERNEUR CORRECTIONAL FACILITY
SCOTCH SETTLEMENT ROAD
GOUVERNEUR, NY

CLIENT: DEPARTMENT OF CORRECTIONS
AND COMMUNITY SUPERVISION

[illegible]

PROJECT NUMBER:	M3108 — H
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DESIGNED BY:	KJL
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DRAWN BY:	JWP
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FIELD CHECK:	VPD
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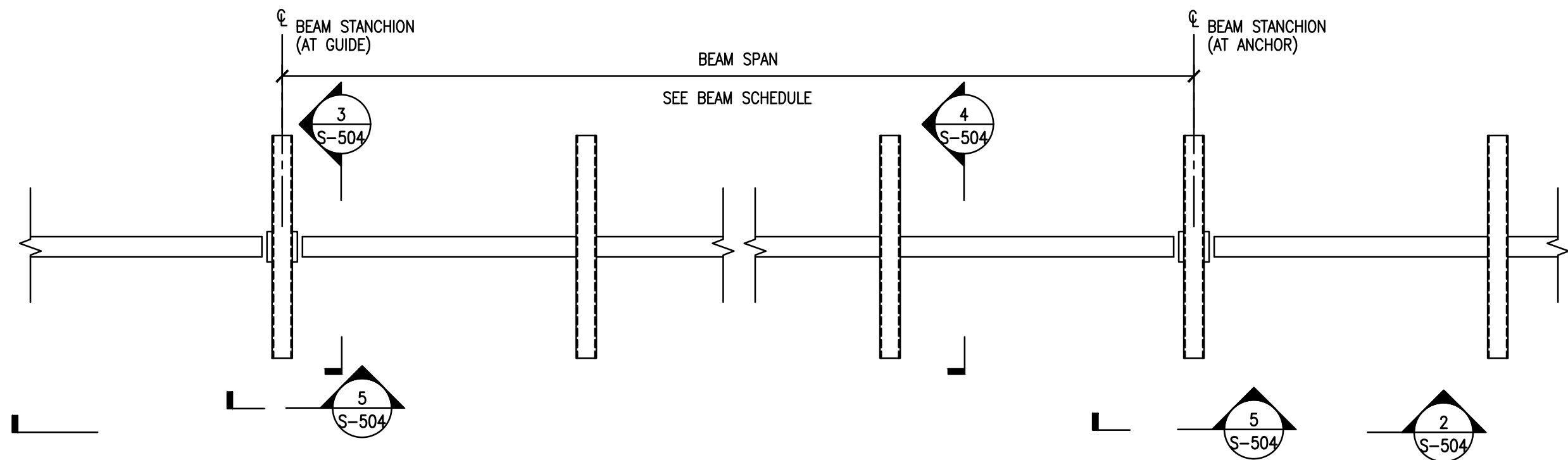
APPROVED:	KJL
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SHEET TITLE:

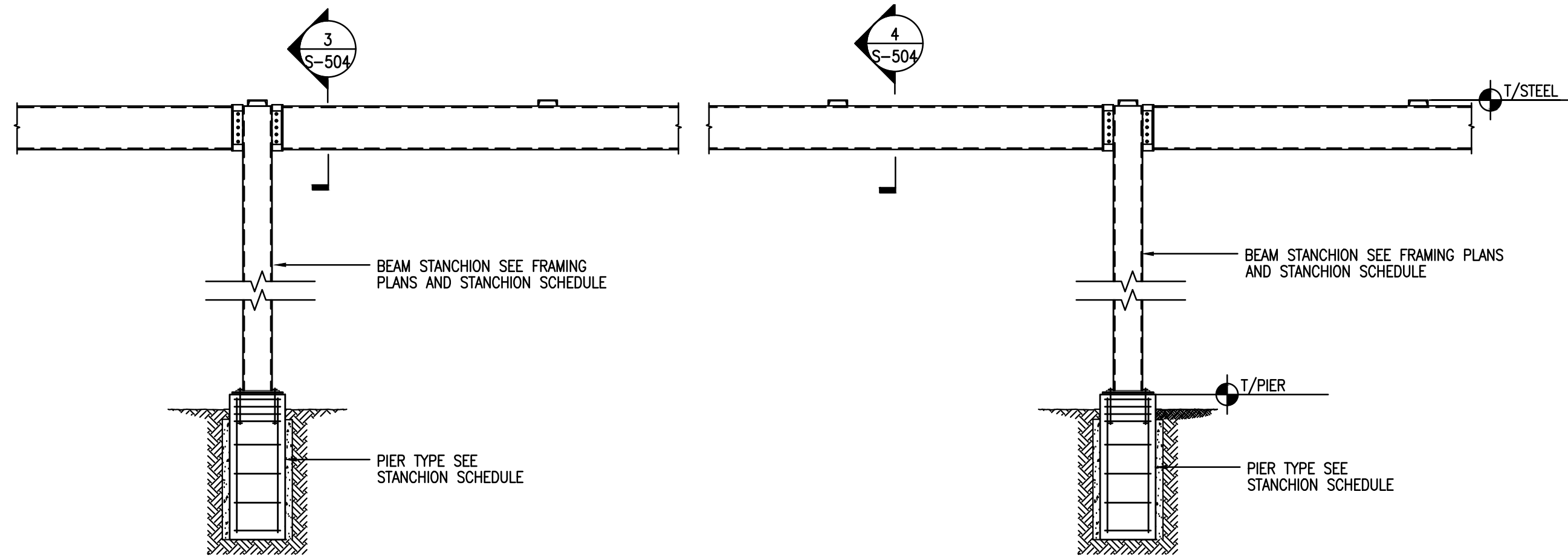
TYPICAL EXPANSION FRAMING PLAN, SECTIONS AND DETAILS

DRAWING NUMBER:

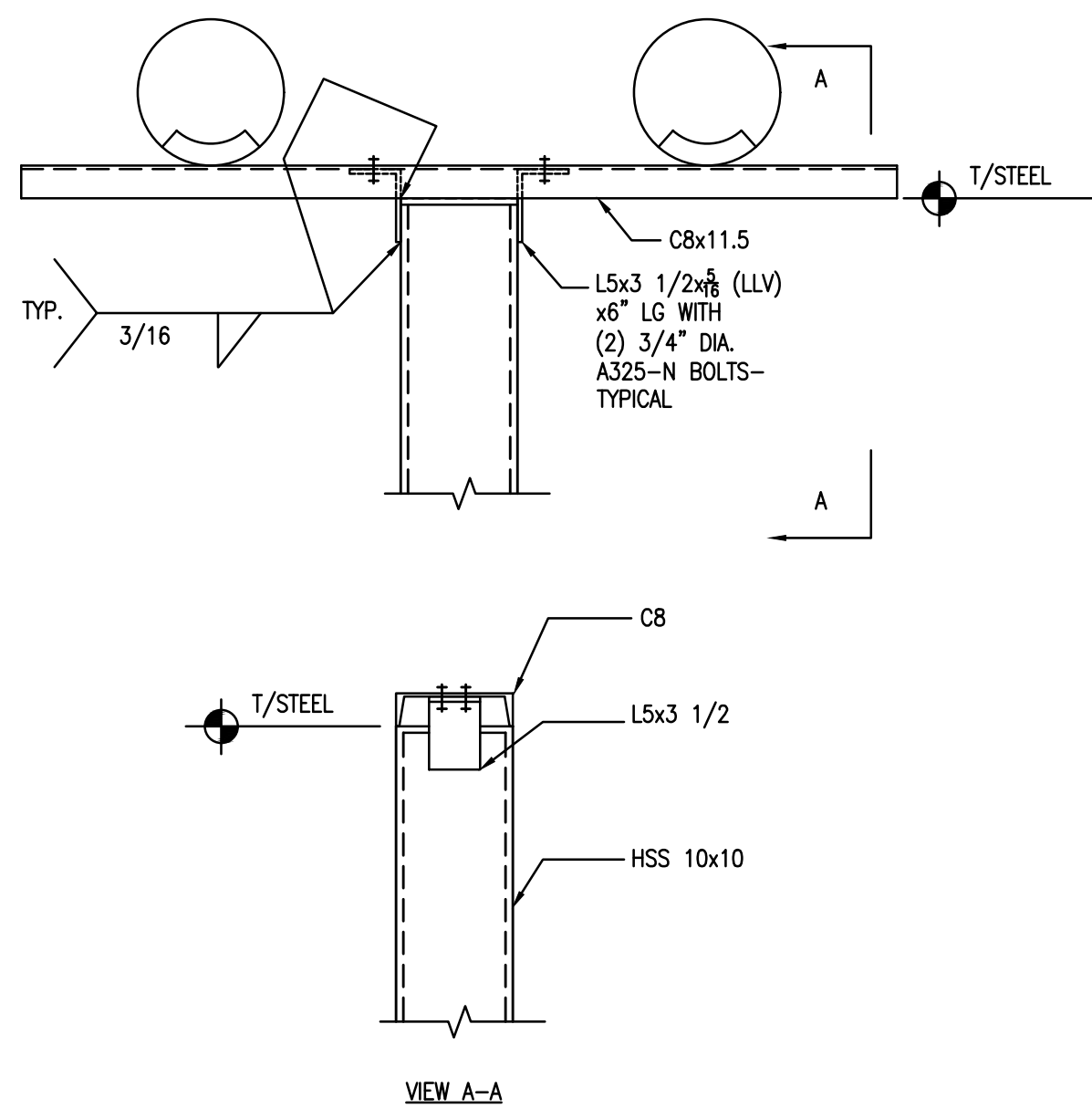
S-503



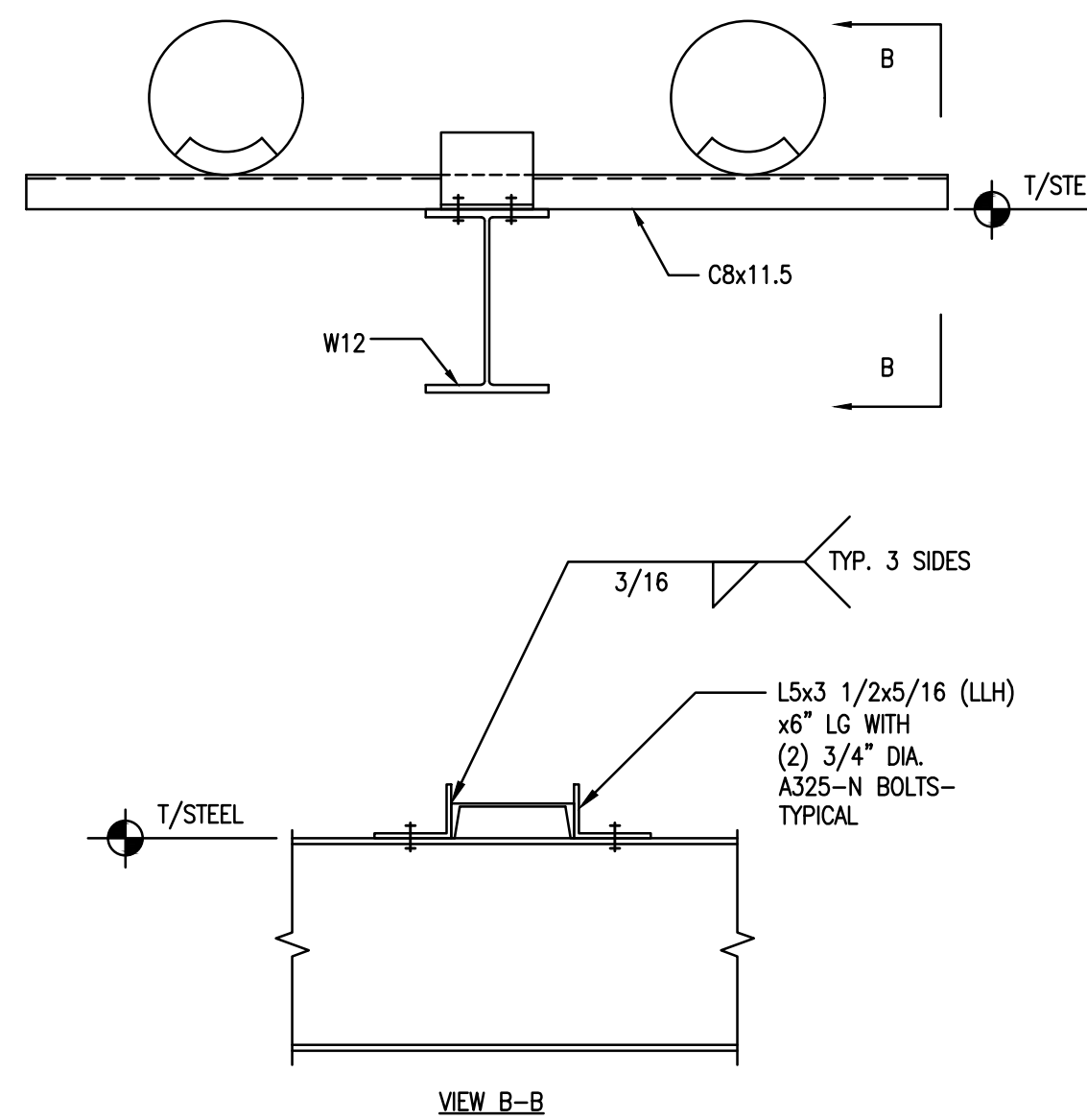
1
S-504
TYPICAL SINGLE BEAM FRAMING PLAN
SCALE: 1/4"=1'-0"



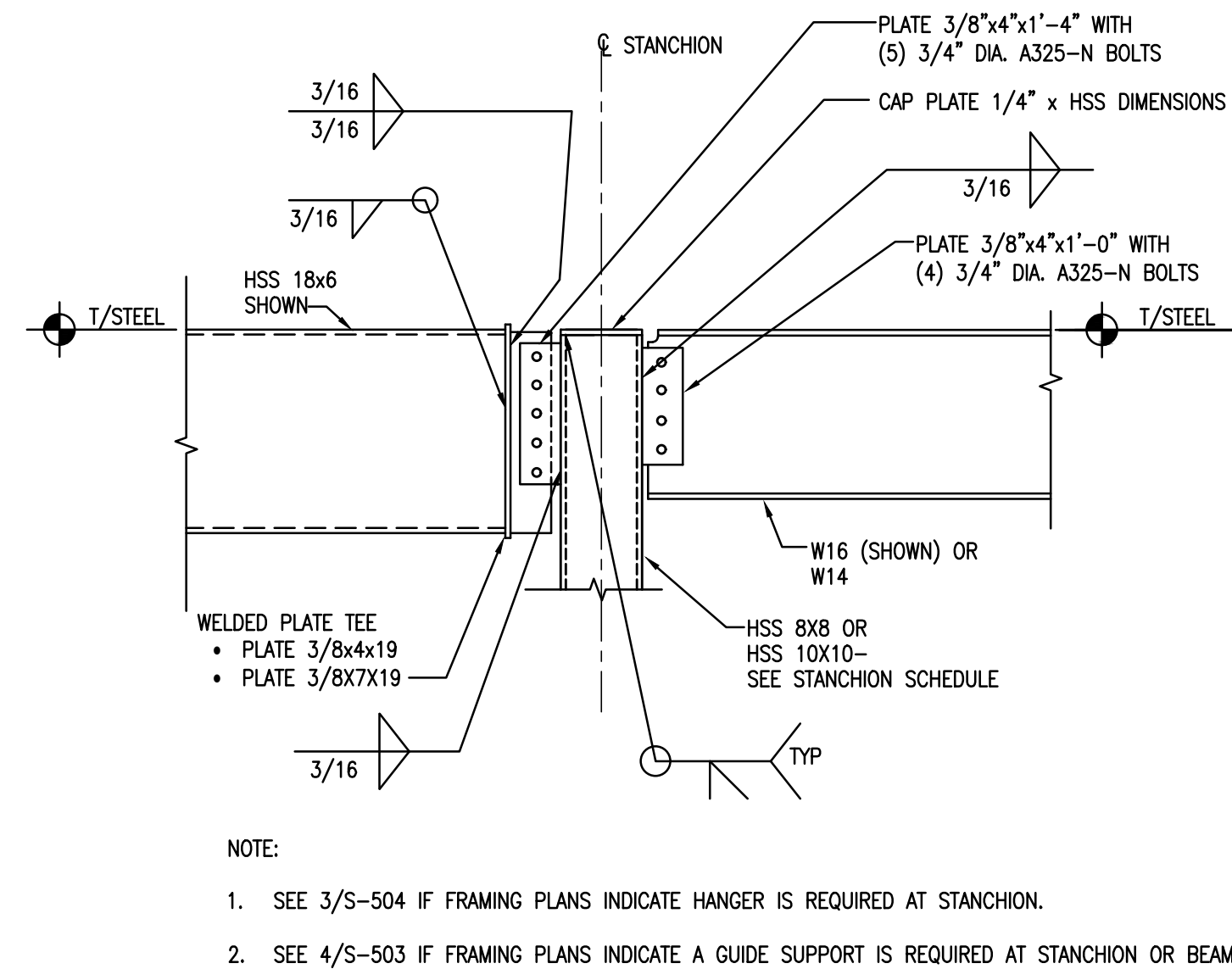
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S-504
TYPICAL SINGLE BEAM FRAMING ELEVATION
SCALE: 1/4"=1'-0"



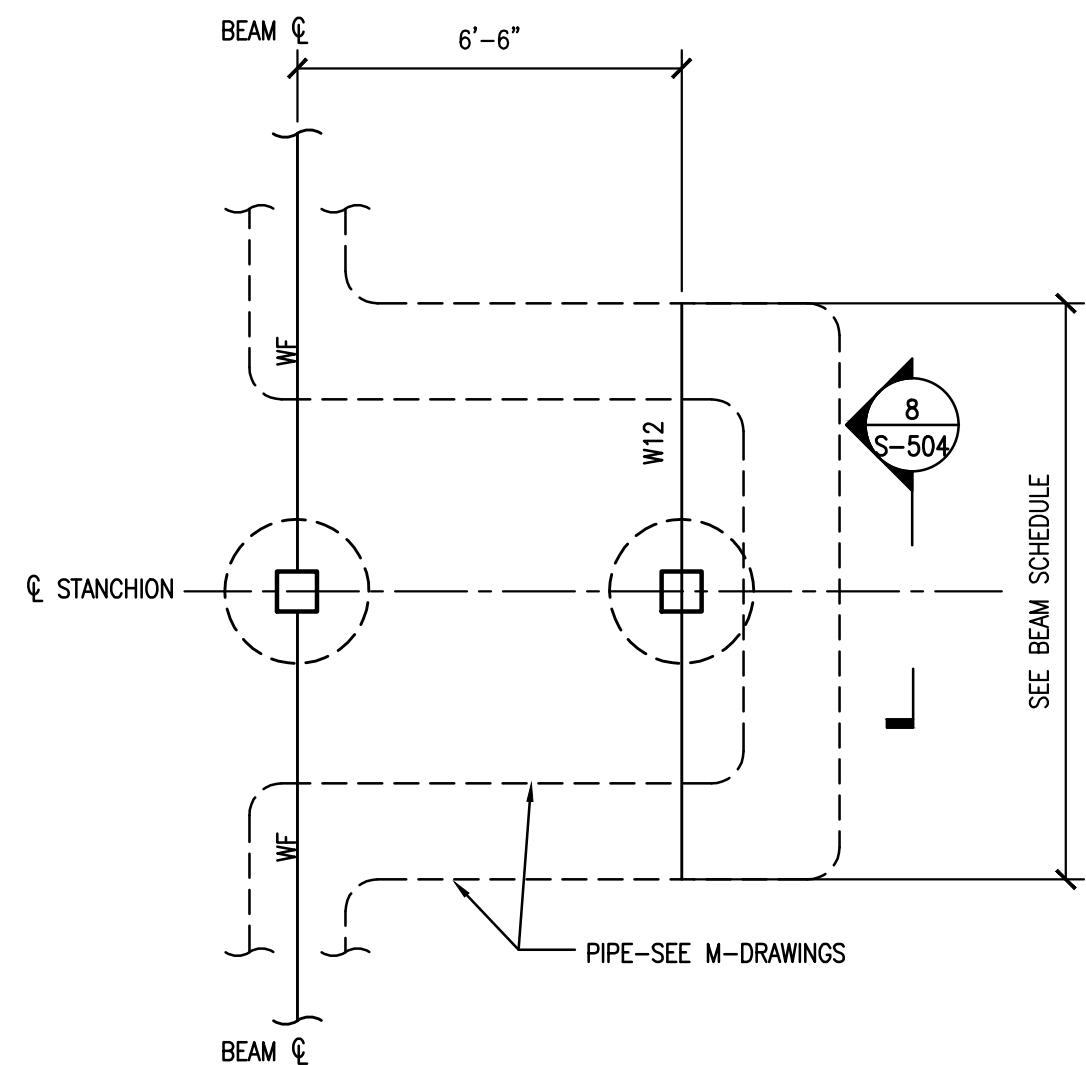
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S-504
STANCHION SEC. AT HANGER SUPPORT
SCALE: NOT TO SCALE



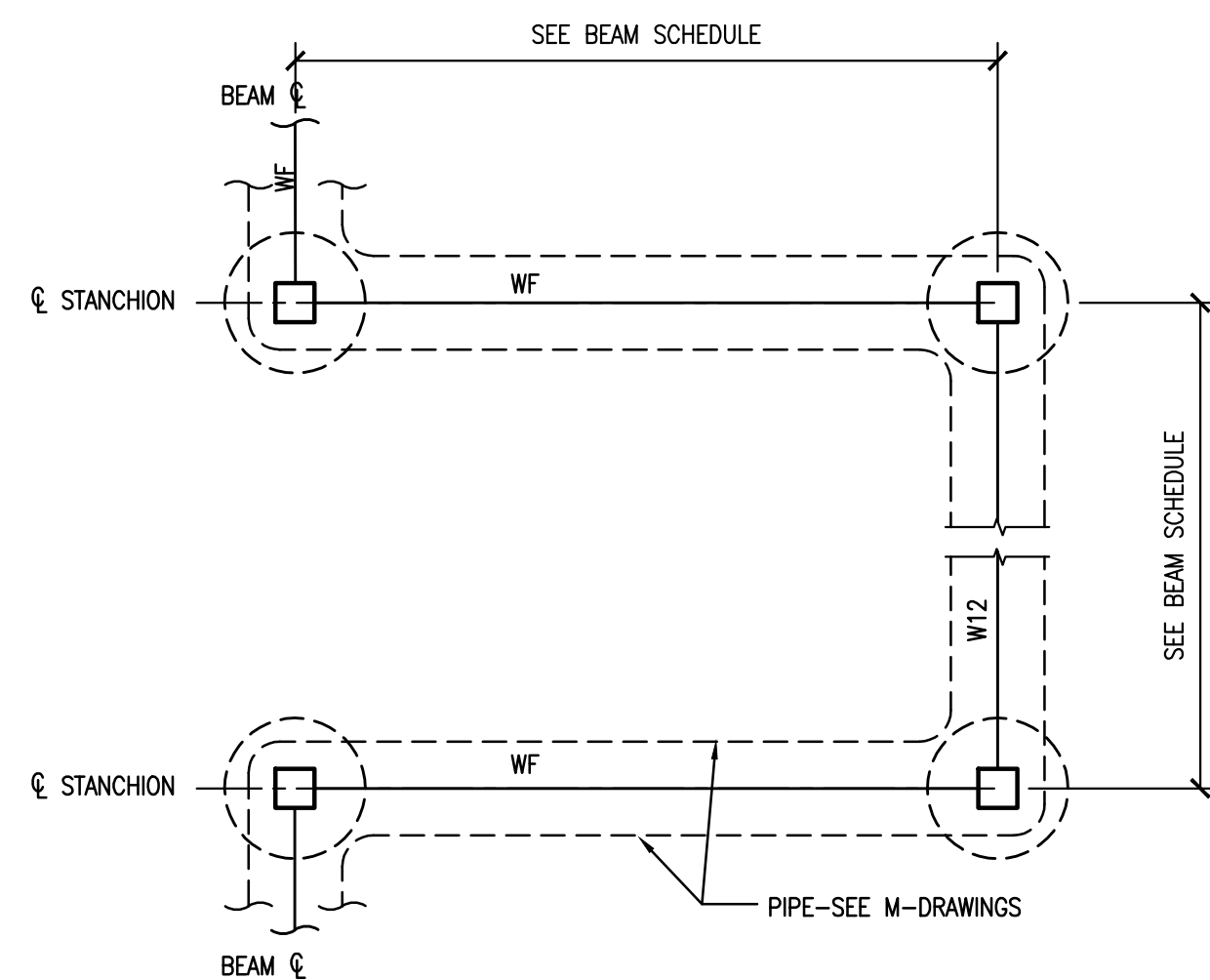
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S-504
BEAM SEC. AT HANGER SUPPORT
SCALE: NOT TO SCALE



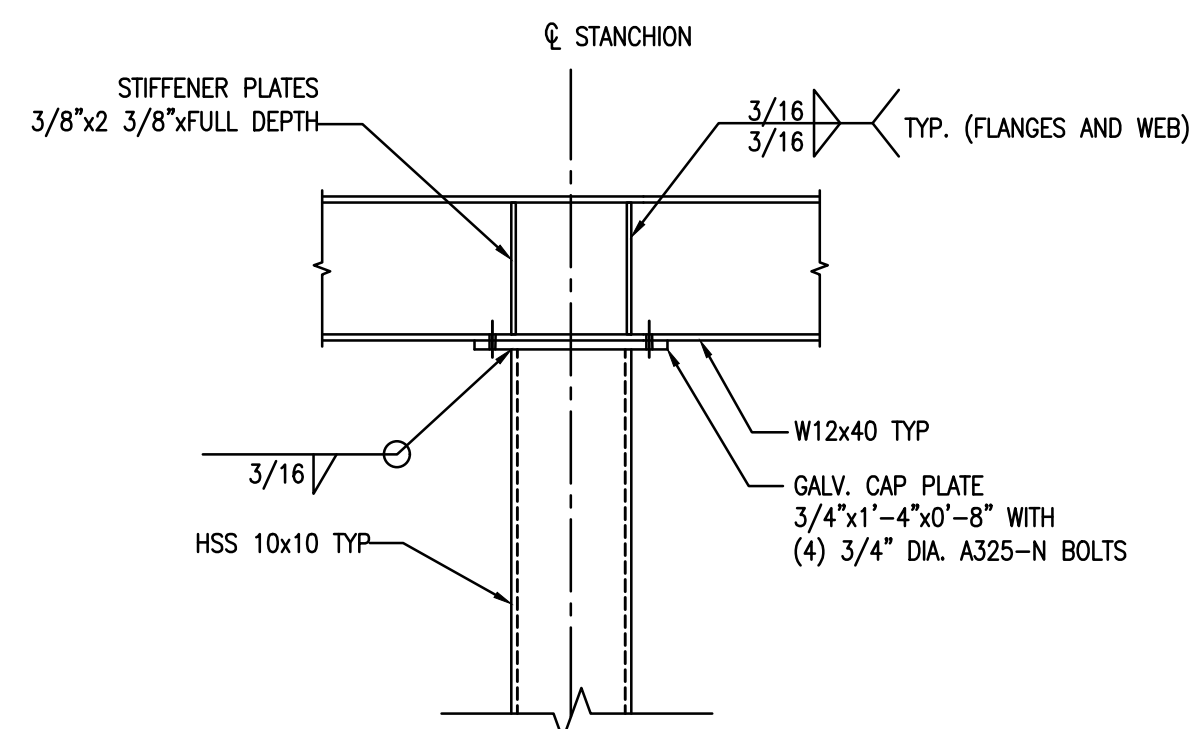
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S-504
TYPICAL SINGLE PLATE CONNECTION
SCALE: NOT TO SCALE



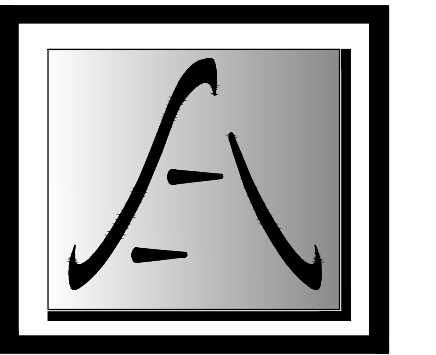
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S-504
EXPANSION LOOP PLAN TYPE 1
SCALE: 1/4"=1'-0"



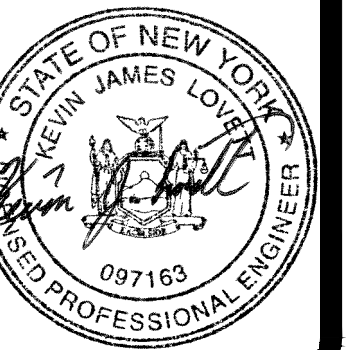
7
S-504
EXPANSION LOOP PLAN TYPE 2
SCALE: 1/4"=1'-0"



8
S-504
EXPANSION LOOP STANCHION SECTION
SCALE: NOT TO SCALE



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FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE
NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS
AND IS A CLASS 'A' MISDEMEANOR.



CONTRACT:
TITLE:
REHABILITATE EXTERIOR
HEATING SYSTEM STANCHION
SUPPORTS
LOCATION:
GOUVERNEUR CORRECTIONAL FACILITY
SCOTCH SETTLEMENT ROAD
GOUVERNEUR, NY
CLIENT:
DEPARTMENT OF CORRECTIONS
AND COMMUNITY SUPERVISION

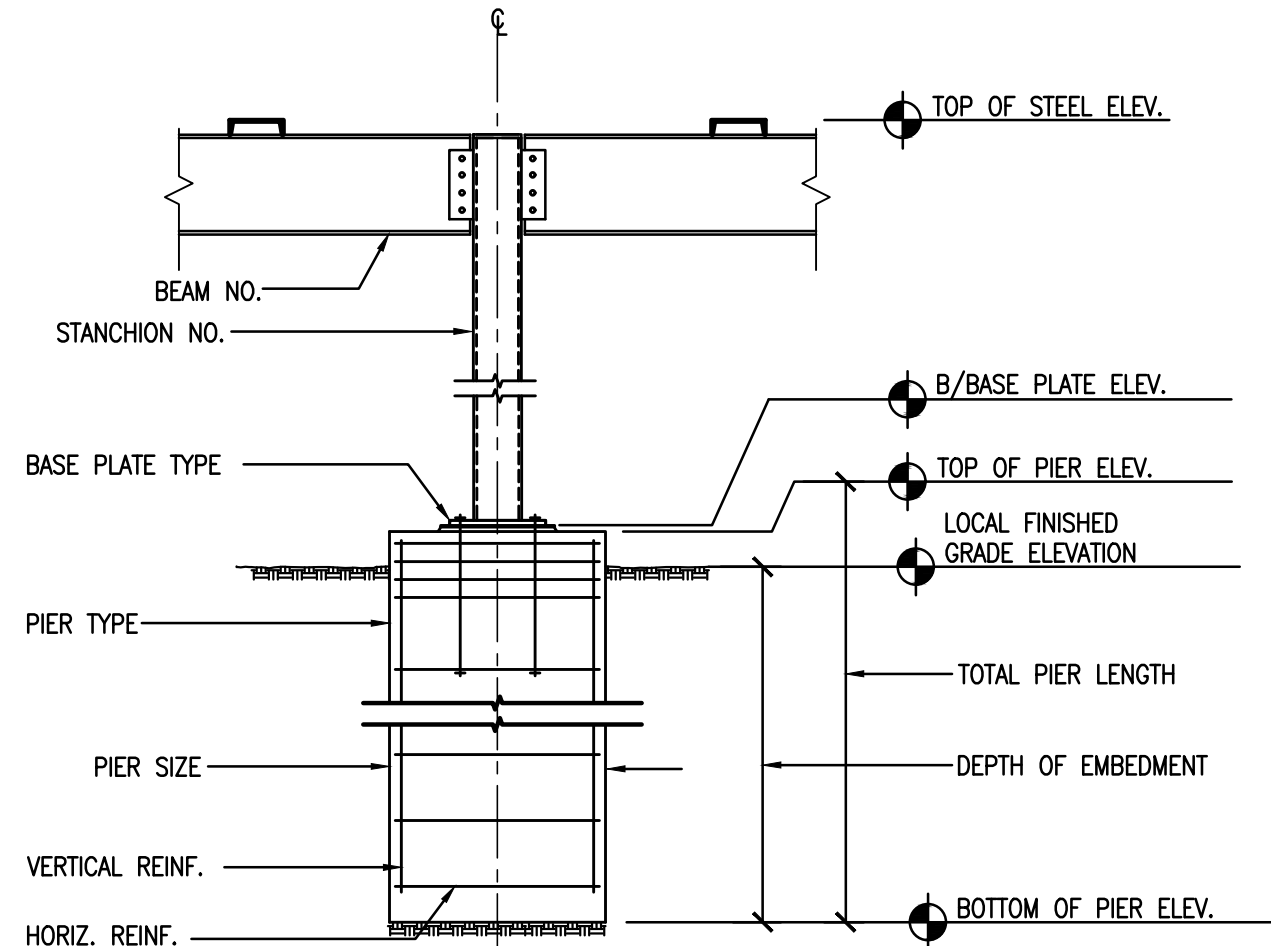
	3/10/2020	BID DOCUMENT
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	M3108 — H	
DESIGNED BY:	KJL	
DRAWN BY:	JWP	
FIELD CHECK:	VPD	
APPROVED:	KJL	
SHEET TITLE:		
BUILDING 4 AND 8 FRAMING SECTIONS AND DETAILS		
DRAWING NUMBER:		
S-504		
SHEET	42	OF 45

[illegible][illegible][illegible]

	STANCHION NO.	ST-137.1	ST-138.1	ST-140.1	ST-141.1	ST-142.1
STRUCTURE DATA	TOP OF STEEL ELEVATION	465	465	465	465	465
	MEMBER SIZES/CONFIGURATION	HSS 6x6x3/8 HSS 6x6x3/8	HSS 6x6x3/8 HSS 6x6x3/8	HSS 6x6x3/8 HSS 6x6x3/8	HSS 6x6x3/8 HSS 6x6x3/8	HSS 6x6x3/8 HSS 6x6x3/8
	BASE PLATE TYPE	BP-1	BP-1	BP-1	BP-1	BP-1
	B/BASE PLATE ELEV.	455.17	455.17	455.17	455.17	455.17
	DETAIL REFERENCE	2/S-502	2/S-502	2/S-502	2/S-502	2/S-502
	TOP OF PIER ELEVATION	455.0	455.0	455.0	455.0	455.0
	LOCAL FINISHED GRADE ELEVATION	452	452	452	452	452
PIER SIZE	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	
VERTICAL REINF.	(6) #9	(6) #9	(6) #9	(6) #9	(6) #9	
HORIZONTAL REINF.	#3@18" O.C.	#3@18" O.C.	#3@18" O.C.	#3@18" O.C.	#3@18" O.C.	
DEPTH OF EMBEDMENT	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	
DETAIL REFERENCE	1/S-501	1/S-501	1/S-501	1/S-501	1/S-501	

[illegible][illegible]

1. LOCATE STANCHION FOUNDATIONS PER DRAWINGS S-101 THROUGH S-112 USING THE SERVICES OF A LICENSED LAND SURVEYOR. FOLLOWING INSTALLATION OF PROVIDED STANCHIONS PROVIDE PIPING SUPPORT STEEL SHOP DRAWINGS BASED ON EXACT LOCATIONS OF INSTALLED FOUNDATIONS AS CONFIRMED BY A LICENSED LAND SURVEYOR.
2. DO NOT USE CONTRACT DRAWINGS FOR SETTING ANCHOR BOLTS AND LEVELING PLATES. USE APPROVED OR APPROVED AS NOTED ANCHOR BOLT AND BASE PLATE PLANS AS SUBMITTED BY THE STRUCTURAL STEEL FABRICATOR FOR SETTING ANCHOR BOLTS AND LEVELING PLATES.
3. ANCHOR BOLTS, BASE PLATES AND BEARING PLATES SHALL BE LOCATED AND BUILT INTO CONNECTING WORK, PRE-SET BY TEMPLATES OR SIMILAR METHODS. ALL PLATES SHALL BE SET IN A FULL BED, NON-SHRINK GROUT.
4. ALL EXCAVATED HOLES FOR STANCHION FOUNDATIONS SHALL BE FILLED WITH REINFORCED CONCRETE THE SAME DAY AND COVERED BY 3/8" STEEL PLATE AND BE SUBJECT TO THE DIRECTOR'S REPRESENTATIVE APPROVAL. THE CONTRACTOR SHALL HAVE A MINIMUM OF 5 PLATES AVAILABLE AT THE JOB SITE AT ALL TIMES.
5. PROVIDE THE FOLLOWING CORROSION PROTECTION SYSTEM FOR STANCHION COLUMN, PIPE SUPPORT FRAMING, HANGER RODS, AND RELATED HARDWARE.
 - A. HOT DIP GALVANIZE ALL STEEL PER ASTM A123 ONLY BOLTED FIELD CONNECTIONS ARE ALLOWED.
 - B. PROGRESSIVE DIPPING OF MEMBERS IN GALVANIZING KETTLE FOR MEMBERS OVER 40 FEET LONG IS ACCEPTABLE.



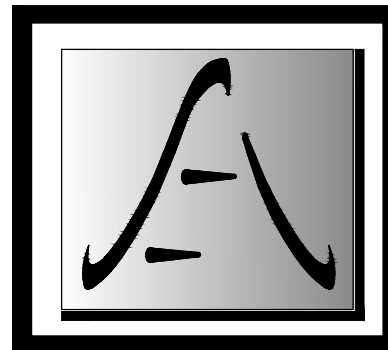
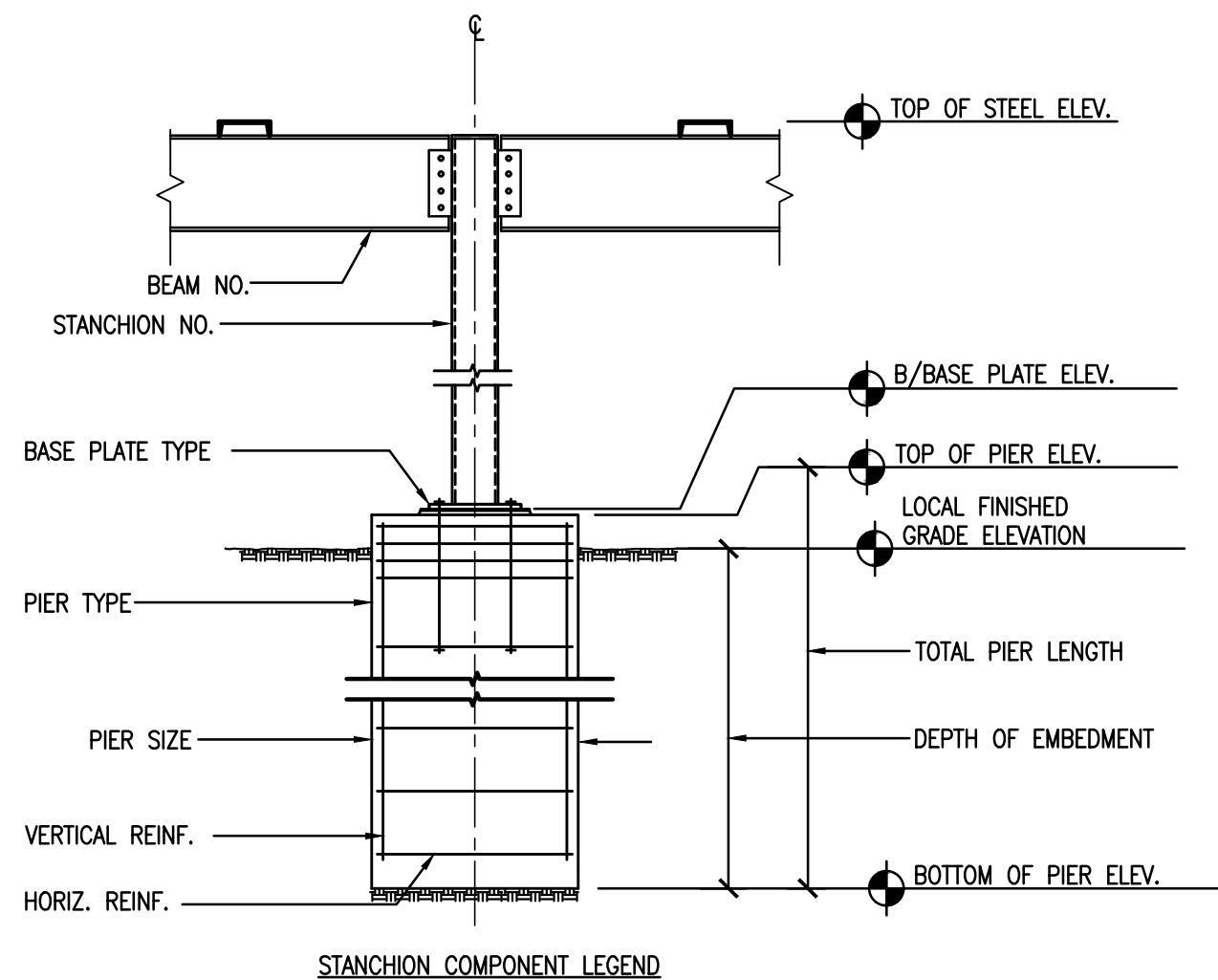
SHEET 43 OF 45

[illegible][illegible][illegible]

STANCHION NO.		ST-03R.1	ST-04R.1	ST-05R.1	ST-06R.1	ST-07R.1	ST-08R.1
STRUCTURE DATA	TOP OF STEEL ELEVATION	461	459	459.0	459.0	459.0	460
	MEMBER SIZES/CONFIGURATION	HSS 10x10x3/8	HSS 10x10x3/8	HSS 10x10x3/8	HSS 10x10x3/8	HSS 10x10x3/8	HSS 10x10x3/8
	BASE \varnothing TYPE	BP-2	BP-2	BP-2	BP-2	BP-2	BP-2
	B/BASE \varnothing ELEV.	452.67	450.17	449.67	449.67	450.67	451.17
	DETAIL REFERENCE	1/S-504	7/S-504	7/S-504	1/S-504	7/S-504	1/S-504
	TOP OF PIER ELEVATION	452.5	450.0	449.5	449.5	450.5	451.0
LOCAL FINISHED GRADE ELEVATION	449.5	447	446.5	446.5	447.5	448	
PIER SIZE	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	
VERTICAL REINF.	(10) #9	(10) #9	(10) #9	(10) #9	(10) #9	(10) #9	
HORIZONTAL REINF.	#3@18" O.C.	#3@18" O.C.	#3@18" O.C.	#3@18" O.C.	#3@18" O.C.	#3@18" O.C.	
DEPTH OF EMBEDMENT	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"	
DETAIL REFERENCE	1/S-501	1/S-501	1/S-501	1/S-501	1/S-501	1/S-501	

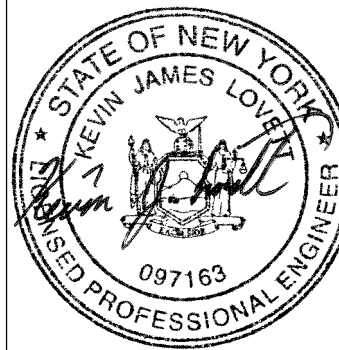
STANCHION SCHEDULE – AREA L				
STANCHION NO.		ST-B12.1		ST-B15.1
STRUCTURE DATA	TOP OF STEEL ELEVATION	463		463
	MEMBER SIZES/CONFIGURATION	HSS 6x6x3/8	HSS 6x6x3/8	HSS 6x6x3/8
	BASE PL TYPE	BP-1		BP-1
	B/BASE PL ELEV.	453.17		453.17
	DETAIL REFERENCE	2/S-502		2/S-502
	TOP OF PIER ELEVATION	453.0		453.0
	LOCAL FINISHED GRADE ELEVATION	450		450
	PIER SIZE	2'-0"		2'-0"
	VERTICAL REINF.	(6) #9		(6) #9
	HORIZONTAL REINF.	#3@18" O.C.		#3@18" O.C.
DEPTH OF EMBEDMENT	6'-0"		6'-0"	
DETAIL REFERENCE	1/S-501		1/S-501	

1. LOCATE STANCHION FOUNDATIONS PER DRAWINGS S-101 THROUGH S-112 USING THE SERVICES OF A LICENSED LAND SURVEYOR. FOLLOWING INSTALLATION OF PROVIDED STANCHIONS PROVIDE PIPING SUPPORT STEEL SHOP DRAWINGS BASED ON EXACT LOCATIONS OF INSTALLED FOUNDATIONS AS CONFIRMED BY A LICENSED LAND SURVEYOR.
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HVAC

LOCATION:
GOUVERNEUR CORRECTIONAL FACILITY
SCOTCH SETTLEMENT ROAD
GOUVERNEUR, NY

CLIENT: DEPARTMENT OF CORRECTIONS
AND COMMUNITY SUPERVISION

	3/10/2020	BID DOCUMENT
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PROJECT	M3108	U
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DESIGNED BY:	KJL
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DRAWN BY:	JWP
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FIELD CHECK:	VPD
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APPROVED:	KJL
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SHEET TITLE:	
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DRAWING NUMBER: S-602

BEAM SCHEDULE – AREA A										
BEAM NO.	B-01	B-02	B-03	B-04	B-05	B-06	B-07	B-08	B-09	B-10
MEMBER SIZES	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40
APPROX. SPAN & TO SUPPORTS	10'-0"	10'-0"	9'-6"	12'-6"	9'-6"	10'-0"	10'-0"	10'-0"	10'-0"	10'-0"
DETAIL REFERENCE	1/S-502	1/S-502	1/S-503	1/S-503	1/S-503	1/S-502	1/S-502	1/S-502	1/S-502	1/S-502

BEAM SCHEDULE – AREA B										
BEAM NO.	B–11	B–12	B–13	B–14	B–14A	B–15	B–16	B–17	B–18	B–18A
MEMBER SIZES	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40
APPROX. SPAN @ TO @ SUPPORTS	10'–0"	10'–0"	10'–0"	10'–0"	28'–0"	10'–0"	10'–0"	16'–0"	20'–0"	16'–0"
DETAIL REFERENCE	1/S–502	1/S–502	1/S–502	1/S–502	1/S–502	1/S–502	1/S–502	1/S–503	1/S–503	1/S–503

BEAM SCHEDULE – AREA C														
BEAM NO.	B–19	B–20	B–21	B–22	B–23	B–24	B–25	B–26	B–27	B–28	B–29	B–30	B–31	B–32
MEMBER SIZES	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40
APPROX. SPAN @ TO SUPPORTS	10'–0"	10'–0"	10'–0"	28'–0"	14'–0"	18'–0"	26'–6"	18'–0"	10'–0"	10'–0"	10'–0"	20'–0"	19'–6"	10'–0"
DETAIL REFERENCE	1/S–502	1/S–502	1/S–502	1/S–502	1/S–502	1/S–503	1/S–503	1/S–503	1/S–502	1/S–502	1/S–502	1/S–502	1/S–502	1/S–502

BEAM SCHEDULE – AREA D					
BEAM NO.	B–33	B–34	B–35	B–36	B–37
MEMBER SIZES	W12x40	W12x40	W12x40	W12x40	W12x40
APPROX. SPAN @ TO @ SUPPORTS	10'–0"	10'–0"	10'–0"	10'–0"	10'–0"
DETAIL REFERENCE	1/S–502	1/S–502	1/S–502	1/S–502	1/S–502

BEAM SCHEDULE – AREA E																				
BEAM NO.	B–38	B–39	B–40	B–41	B–42	B–43	B–44	B–45	B–46	B–47	B–48	B–49	B–50	B–51	B–52	B–53	B–54	B–55	B–56	B–57
MEMBER SIZES	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40
APPROX. SPAN @ TO © SUPPORTS	10'–0"	10'–0"	10'–0"	10'–0"	10'–6"	14'–6"	10'–6"	11'–0"	12'–6"	11'–0"	10'–0"	10'–0"	10'–0"	10'–0"	10'–0"	10'–0"	10'–0"	10'–0"	10'–0"	10'–0"
DETAIL REFERENCE	1/S–502	1/S–502	1/S–502	1/S–502	1/S–503	1/S–503	1/S–503	1/S–503	1/S–503	1/S–503	1/S–502	1/S–502	1/S–502	3/S–503	1/S–502	1/S–502	3/S–503	1/S–502	1/S–502	1/S–502

BEAM SCHEDULE – AREA F													
BEAM NO.	B–58	B–59	B–60	B–61	B–62	B–63	B–64	B–65	B–66	B–67	B–68	B–69	B–70
MEMBER SIZES	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40
APPROX. SPAN @ TO C SUPPORTS	16'–6"	19'–0"	16'–6"	10'–0"	10'–0"	10'–0"	10'–0"	10'–0"	10'–0"	19'–6"	10'–0"	23'–0"	27'–0"
DETAIL REFERENCE	1/S–503	1/S–503	1/S–503	1/S–502	1/S–502	1/S–502	1/S–502	1/S–502	1/S–502	1/S–502	1/S–502	1/S–504	1/S–504

BEAM SCHEDULE – AREA G																		
BEAM NO.	B–71	B–71A	B–72	B–73	B–74	B–75	B–75A	B–76	B–76A	B–77	B–77A	B–78	B–79	B–80	B–81	B–82	B–83	B–84
MEMBER SIZES	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40
APPROX. SPAN @ TO @ SUPPORTS	22'–0"	18'–6"	18'–6"	10'–0"	10'–0"	10'–0"	21'–0"	10'–0"	22'–0"	10'–0"	10'–0"	12'–6"	16'–6"	16'–6"	20'–0"	10'–0"	25'–0"	25'–0"
DETAIL REFERENCE	1/S–503	1/S–503	1/S–503	3/S–503	1/S–502	1/S–502	1/S–502	1/S–502	1/S–502	1/S–502	1/S–502	3/S–503	1/S–503	1/S–503	1/S–503	1/S–502	1/S–504	1/S–504

BEAM SCHEDULE – AREA H							
BEAM NO.	B–85	B–86	B–87	B–88	B–89	B–90	B–91
MEMBER SIZES	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40
APPROX. SPAN @ TO @ SUPPORTS	20'–6"	20'–0"	20'–6"	10'–6"	16'–6"	10'–6"	10'–0"
DETAIL REFERENCE	1/S–503	1/S–503	1/S–503	1/S–503	1/S–503	1/S–503	1/S–502

BEAM SCHEDULE – AREA J												
BEAM NO.	B-92	B-93	B-94	B-95	B-96	B-97	B-98	B-99	B-100	B-101	B-109	B-110
MEMBER SIZES	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40	W12x40
APPROX. SPAN @ TO @ SUPPORTS	26'-0"	25'-0"	26'-0"	30'-0"	30'-0"	27'-6"	30'-0"	27'-0"	28'-0"	19'-0"	12'-0"	12'-0"
DETAIL REFERENCE	1/S-504	1/S-504	1/S-504	1/S-504	1/S-504	1/S-504	1/S-504	1/S-504	1/S-504	1/S-504	6/S-504	6/S-504

BEAM SCHEDULE – AREA K					
BEAM NO.	B–102	B–103	B–104	B–105	B–106
MEMBER SIZES	W12x40	W12x40	W12x40	W12x40	W12x40
APPROX. SPAN @ TO @ SUPPORTS	28'–0"	15'–0"	27'–6"	15'–0"	21'–0"
DETAIL REFERENCE	1/S–504	7/S–504	7/S–504	7/S–504	1/S–504

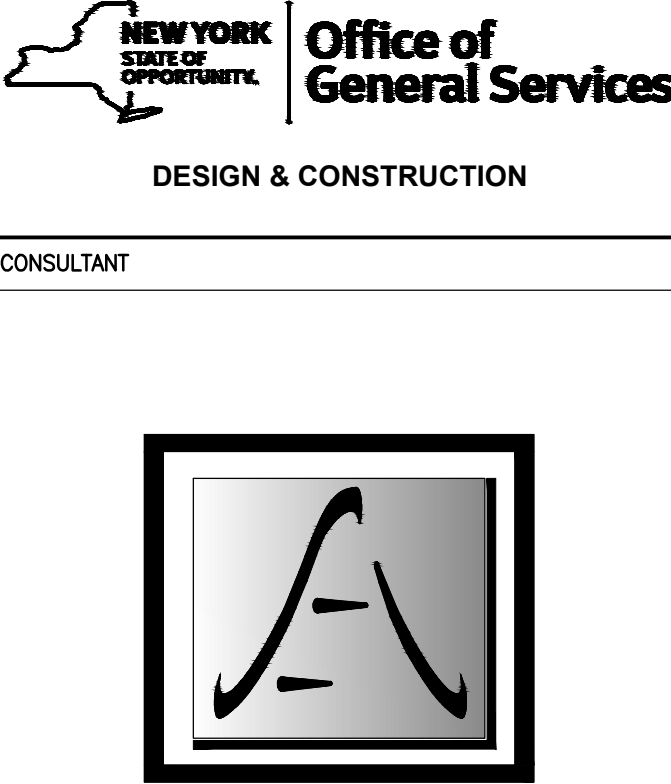
BEAM SCHEDULE – AREA L			
BEAM NO.	B–107	B–108	
MEMBER SIZES	W12x40	W12x40	
APPROX. SPAN @ TO @ SUPPORTS	10'–0"	10'–0"	
DETAIL REFERENCE	1/S–502	1/S–502	

BEAM NOTES:

1. BEAM SPAN DIMENSIONS ARE APPROXIMATE AND ARE FOR BIDDING PURPOSES ONLY. FINAL BEAM SPAN DIMENSIONS SHALL BE FIELD VERIFIED BY SURVEY BASED ON FINAL LOCATION OF STANCHION FOUNDATIONS.
2. PROVIDE THE FOLLOWING CORROSION PROTECTION SYSTEM FOR BEAMS, PIPE SUPPORT FRAMING, HANGER RODS AND RELATED HARDWARE:

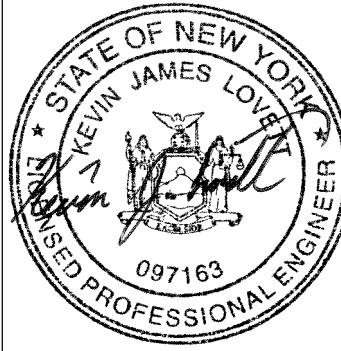
A. HOT-DIP GALVANIZE ALL STEEL PER ASTM A123. ONLY BOLTED FIELD CONNECTIONS ARE ALLOWED.

B. PROGRESSIVE DIPPING OF MEMBERS IN GALVANIZING KETTLE FOR MEMBERS OVER 40 FEET LONG IS ACCEPTABLE.



SAGE ENGINEERING ASSOCIATES, LLP

WARNING:
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CONTRACT:	HVAC
TITLE:	REHABILITATE EXTERIOR HEATING SYSTEM STANCHION SUPPORTS
LOCATION:	GOVERNEUR CORRECTIONAL FACILITY SCOTCH SETTLEMENT ROAD GOVERNEUR, NY
CLIENT:	DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION

	3/10/2020	BID DOCUMENT
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	M3108 — H	
DESIGNED BY:	KJL	
DRAWN BY:	JWP	
FIELD CHECK:	VPD	
APPROVED:	KJL	
SHEET TITLE:		
BEAM SCHEDULES		
DRAWING NUMBER:		
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SHEET	45	OF 45