

Alterations to:
High School
Middle School
Falls Elementary School
Bus Garage
New Building: Pump House
Mahopac Central School District
Mahopac, NY

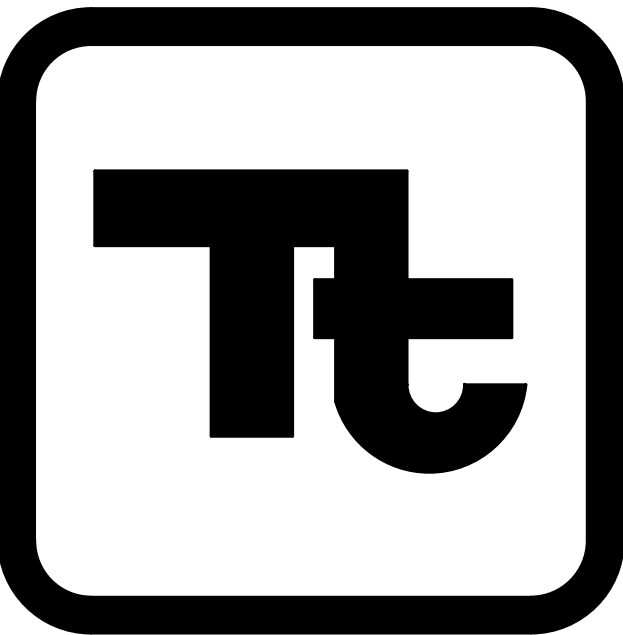
48-01-01-06-0-004-020
48-01-01-06-0-006-013
48-01-01-06-0-003-008
48-01-01-06-0-010-009
48-01-01-06-7-026-001



Project Location Map

Drawing List	Falls Elementary School (F-Series)	Common
GENERAL G002 Title Sheet G100 Symbols and Abbreviations	HAZARDOUS MATERIALS FH100 Abatement Plan	ZC500 Site Details ZC501 Site Details ZC502 Site Details ZC503 Site Details ZC504 Site Details ZC505 Site Details ZC506 Site Details ZG100 Overall Site Key Plan ZV001 Mahopac Campus - Survey - Layout 1 ZV002 Mahopac Campus - Survey - Layout 2 ZV003 Mahopac Campus - Survey - Layout 3 ZV004 Mahopac Campus - Survey - Layout 4 ZV005 Mahopac Campus - Survey - Layout 5
Middle School (B-Series)	ELECTRICAL FE160 First Floor Power Plan	
PHASING BG200 Site Phasing Plan	PLUMBING FP050 First Floor Key Plan FP400 Enlarged Plans, Details and Schedule	
CODE COMPLIANCE BG300 Site Code Compliance Plan BG350 Code Compliance Review BG351 Code Compliance - Ground Floor and First Floor Key Plans BG352 Code Compliance - Second Floor Key Plan	Bus Garage (G-Series)	
HAZARDOUS MATERIALS BH100 Abatement Plan	CODE COMPLIANCE GG051 Code Compliance Review - First and Second Floor Key Plans	
CIVIL BC100 Site Demolition Plan BC110 Site Soil Erosion and Sediment Control Plan BC120 Site Layout Plan BC130 Site Grading Plan BC140 Site Utility Plan	HAZARDOUS MATERIALS GH100 First Floor Abatement Plans	
ARCHITECTURAL BA100 Demolition, Construction and Reflected Ceiling Plans	STRUCTURAL GS130 Roof Framing Plan	
MECHANICAL BM050 Pump Room Ventilation Plan	MECHANICAL GM130 Floor Plans GM131 Schedules, Details and Controls	
ELECTRICAL BE001 Site Demolition and Layout Plan BE160 Second Floor Power Plan	ELECTRICAL GE160 First Floor Demolition and Power Plans	
PLUMBING BP050 Second Floor Key Plan and Details BP400 Enlarged Plans, Details and Schedule	Pump House (H-Series)	
	ARCHITECTURAL HA100 First Floor, Reflected Ceiling and Roof Plans HA200 Exterior Elevations and Building Sections	
	STRUCTURAL HS130 Foundation Plan and Details	
	MECHANICAL HM130 Floor Plan, Schedules, Details and Controls	
	ELECTRICAL HE100 First Floor Lighting and Power & Communications Plan	
	PLUMBING HP051 First Floor Plan, Details and Schedules HP500 Details and Schedules	

Drawn By: Author	Date: 08/21/20	Drawing Number:
Project No.: 121111-19002		AA130
BUILDING DESIGNATOR		↑
DISCIPLINE DESIGNATOR		↑
SHEET TYPE DESIGNATOR		↑
SHEET SEQUENCE DESIGNATOR		↑



TETRA TECH
ARCHITECTS & ENGINEERS

Architecture Engineering Planning
for High Performance Facilities

To the best of the Architect's knowledge, information and belief, the design of this project conforms to all applicable provisions of the New York State Uniform Fire Prevention and Building Code, the New York State Energy Conservation Code, and the building standards of the New York State Education Department.

BID SET

Volume 2 of 2

121111-19002
08/21/20

Set No.

Drawing Number:
G002

[illegible][illegible]

A horizontal number line with arrows at both ends. There are two major tick marks labeled '5' and '6'. A single tick mark is placed exactly halfway between 5 and 6.

EB	EXPANSION BOLT
EC	ELECTRICAL CONTRACT
ED	ENHANCED CONCRETE
EIFS	EXTERIOR INSULATION
EF	EACH FACE, EXHAUST FAN
EFU	EXPANSION, UTILITY
ELEC	ELECTRIC (AL)
EL	ELEMENT
ELEV	ELEVATION, ELEVATOR
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
ENC	ENCLOSURE
ENR	ENGINEERING
EOS	EDGE OF SLAB
EQ	EQUAL, EQUIVALENT
EQU	EQUIPMENT CONTRACT
EQUP	EQUIPMENT
ES	EXPOSED SURFACE, EXH
ESF	ELASTIC SHEET FLASHING
EST	ESTIMATING
EW	EWAY
EXC	ELECTRIC WATER COOL
EXT	ENTERING WATER TEMP
EXH	EXHAUST
EXT	EXISTING
EXP	EXPANSION
EXT	EXTERNAL, EXTERNAL
F	FAHRENHEIT
FA	FIRE ALARM
FAI	FRESH AIR INTAKE
FAN	FAN COOLING UNIT
FDR	FLOOR DRAIN, FIRE DAM
FE	FIRE DEPARTMENT, FIRE
FE	FIRE EXTINGUISHER
FE	FINISH FLOOR
FE	FINISH FLOOR ELEVATION
FE	FINISH FLOOR FINISH
FG	FLOOR GRILLE
FH	FIRE HYDRANT
FHC	FIRE NOSE CABINET
FIN	FINISH (ED)
FIX	FIXTURE
FL	FLUSH
FLD	FLOOR DUCT
FLEX	FLEXIBLE
FL	FLASHING
FLR	FLOOR (ING)
FLUOR	FLUORESCENT
FL	FLOOR MOUNTED
FMC	FLEXIBLE METAL CONDUIT
FO	FOUNDATION
FOB	FRIGHT ON BOARD, FUEL
FOG	FUEL OIL GALLERY
FOG	FUEL OIL RETURN
FOG	FUEL OIL SUPPLY
FP	FLAT ON TOP
FP	PIREPROOF (ING)
FP	FEET PER MINUTE
FR	FRAME, FLOOR REGISTERS

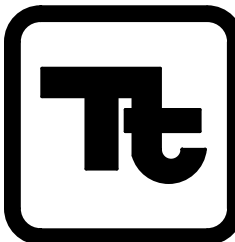
A horizontal number line with two vertical tick marks. The number 10 is written above the line between the two tick marks.

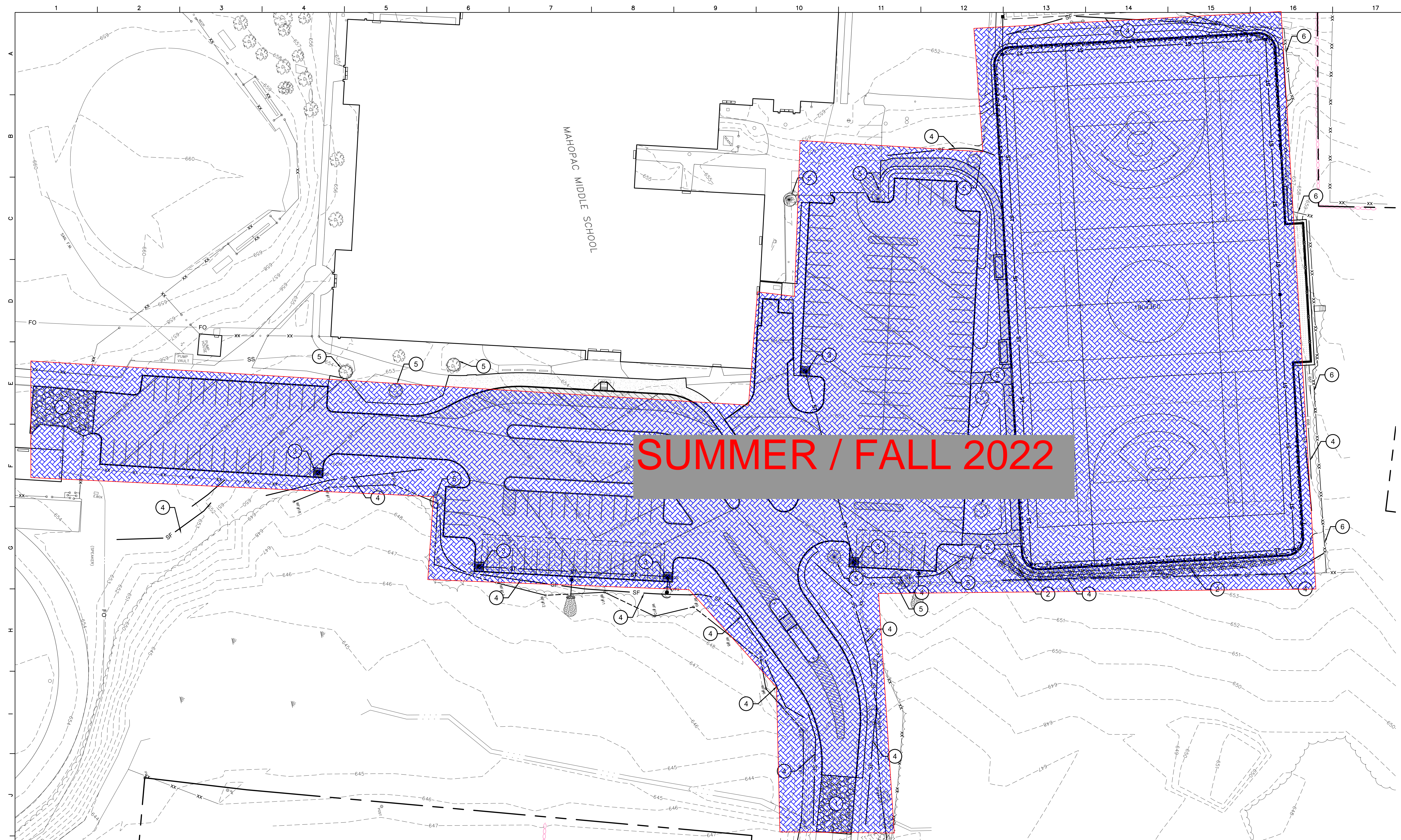
ATV	ATMOSPHERIC VENT
BBD	BOILER BLOW DOWN
CWS	CHILLED WATER SUPPLY
CWR	CHILLED WATER RETURN
CGS	CHILLED GLYCOL SUPPLY
CGR	CHILLED GLYCOL RETURN
CD	CONDENSATE DRAIN
C	CONDENSER WATER SUPPLY
CR	CONDENSER WATER RETURN
GS	GLYCOL SUPPLY
GR	GLYCOL RETURN
HGS	HOT GLYCOL SUPPLY
HGR	HOT GLYCOL RETURN
HPWS	HEAT PUMP SUPPLY
HPWR	HEAT PUMP RETURN
HWS	HOT WATER SUPPLY
HWR	HOT WATER RETURN
HCS	HOTCHILLED WATER SUPPLY
HCR	HOTCHILLED WATER RETURN
LPS	LOW PRESSURE STEAM
LPC	LOW PRESSURE CONDENSATE
LPWC	LOW PRESSURE STEAM WET (FLOODED) CONDENSATE
MJ	MECHANICAL EQUIPMENT MAKE UP COLD WATER(NON-POTABLE)
RS	REFRIGERANT SUCTION
RL	REFRIGERANT LIQUID
HG	REFRIGERANT HOT GAS
PD	PUMP DISCHARGE
-----	REMOVE EXG. DUCT, PIPING, EQUIPMENT
----- EXG	EXISTING HVAC PIPE
○	BOTTOM PIPE CONNECTION
⌒	TOP PIPE CONNECTION
C	PIPE ELBOW DOWN
○	PIPE ELBOW UP
⌒	PIPE DOWN WITH CLEANOUT AT TOP
C	PIPE DOWN WITH SHUTOFF VALVE
C	CAP OR PLUG
⌒	UNION CONNECTION
⌒	FLANGE CONNECTION
⌒	PIPING REDUCER (CONCENTRIC)
⌒	PIPING REDUCER (ECCENTRIC)
⌒	PIPE ANCHOR
==	PIPE GUIDE
==	EXPANSION COMPENSATOR
==	EXPANSION JOINT
⌒	FLEX CONNECTOR
⌒	TEMPERATURE OR PRESSURE PROBE WELL
⌒	THERMOMETER
P	PRESSURE SWITCH
⌒ P	PRESSURE GAUGE
⌒ TP	TEMPERATURE/ PRESSURE GAUGE
AV	MANUAL AIR VENT
SV	AUTOMATIC AIR VENT
VB	STEAM VENT
F	VACUUM BREAKER
M	FLOW SWITCH
M	FLOW METER
⌒	ORIFICE METER
⌒	VENTURI FLOW METER
⌒	WYE STRAINER
⌒	WYE STRAINER WITH BLOW DOWN
→	DIRECTION OF FLOW
⌒	PIPE BREAK
M	WATER METER

X	MAXIMUM	P	PLAS
H	MARKER BOARD	P	PWF
R	THOUSAND BTU/H	P	PWF
	MEMBER	P	PWF
CH	METRIC MECHANICAL	P	PN
ZZ	MECHANICAL EQUIPMENT	P	POC
	(MECHANICAL LY)	P	
	MEDIUM	P	POS
	MEZZANINE	P	POT
	MIXING FAUCET	P	PR
	MANUFACTURING (R)	P	PR
	MAN HOLE	P	PREP
N	MINIMUM	P	PS
	MISCELL	P	PRO
C	MISCELLANEOUS	P	PSF
	MISCELL	P	PSF
MO	MODULE (OR) MODEL	P	PSI
	MP RECEPTOR	P	PT
	MULTI-COLOR WALL COATING	P	PTD
D	MOUNTING	P	PVC
G	MOUNTED	P	PTT
	MOUNTING	P	PTR
	METAL	P	PVE
	MILBON THRESHOLD	P	
	METER	P	Q
	MILION	P	QF
	MANUFACTURER VENER EXPANSION JOINT	P	QT
E	MANUFACTURER WORK REQUIRED	P	Q
T	NATURAL	P	R
	NATURAL CLOSED	P	RA
C	NATURAL CLOSED	P	RA
G	NEGATIVE	P	RAD
	NEGATIVE	P	RAF
	NEUTRALIZATION	P	
	NM IN CONTRACT	P	RB
	NUMBER, NORMALLY OPEN	P	RC
	NORM	P	RCA
	NOISE REDUCTION COEFFICIENT	P	RCU
	NOT TO SCALE	P	RCU
	OVERALL, OUTSIDE AREA	P	RECEP
	ON CENTER	P	RECEP
	OUTSIDE DIAMETER	P	REF
	OVERHEAD	P	REFL
NG	OPENING	P	REF
	OPENING	P	REF
	OPTIC SPIND HAND	P	REFR
		P	RECO
R	PAINT SURFACES) INCLUDING SOFFITS	P	RES
	PARALLEL	P	REMI
	PARTITION	P	REMI
	PRECAST CONTRACT (OR)	P	REF
C	EXISTING NONCONFORMING	P	REF
	PRECAST CONCRETE	P	RFV
	PERFORATE ENAMEL	P	RFH
	PERFORATE ENAMEL	P	RFH
RF	PERFORATE ENAMEL	P	RFH
	PERFORMER	P	RFG
	PENETRATOR	P	RGS
	PERPENDICULAR	P	RH
	PLATE, PROPERTY LINE	P	RH
RP	PLASTIC LAMINATE	P	RH

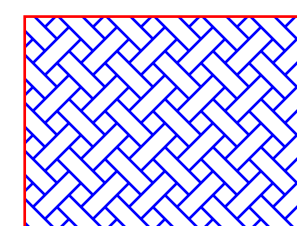
A horizontal number line with three tick marks. The first tick mark is labeled '15', the second is labeled '16', and the third is labeled '17'.

	CABLE TRAY - LADDER TYPE
	CABLE TRAY - BASKET TYPE
	SURFACE RACEWAY TYPE AS DESCRIBED ON DWGS.
	COMMUNICATION INTERFACE OUTLET
	CEILING MOUNT SPEAKER
	WALL MOUNT SPEAKER
	VOLUME CONTROL
	HORN SPEAKER
	PROGRAM BELL
	FLOOR BOX
	DOOR RELEASE
	SECURITY ALARM HORN
	SECURITY SENSOR
	GB - GLASS BREAK MD - MOTION DETECTOR SD - SOUND DETECTOR
	SECURITY DOOR CONTACT
	SECURITY SYSTEM KEYPAD
	# DENOTES DESIGNATION
	SECURITY CAMERA
	# DENOTES DESIGNATION
	SECURITY REQUEST TO EXIT SENSOR
	LOW VOLTAGE POWER SUPPLY
	# DENOTES DESIGNATION
	SECURITY ELECTRIC LOCKING HARDWARE
	DOOR INTERCOM CALL STATION
	# DENOTES DESIGNATION
	ACCESS CONTROL CARD READER
	# DENOTES DESIGNATION
	ADA PUSH BUTTON
	SECURITY CCTV MONITOR
	SECURITY DURESS BUTTON
	EXISTING PANEL TO REMAIN
	EXISTING PANEL TO REPLACE
	NEW PANEL
	SURGE PROTECTION DEVICE
	MOTOR
	NEW MOTOR SEE SCHEDULE FOR DESCRIPTION
	PULL BOX
	JUNCTION BOX
	HAND/HAIR DRYER
	SINGLE RECEPTACLE
	DUPLEX RECEPTACLE
	DOUBLE DUPLEX RECEPTACLE
	SPECIAL PURPOSE RECEPTACLE
	DUPLEX FLOOR RECEPTACLE
	CORD REEL
	TELE./DATA POWER POLE
	NON-FUSED DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	MOTOR STARTER
	COMBINATION STARTER
	CONTRACTOR
	ENCLOSED CIRCUIT BREAKER
	EQUIPMENT CONNECTION
	EMERGENCY OFF BUTTON
	TRANSFORMER
	# DENOTES DESIGNATION
	TS = TEACHER STATION REFER TO RISER DIAGRAM
	UTILITY POLE
	UNDERGROUND TELEPHONE
	OVERHEAD TELEPHONE
	UNDERGROUND TELEVISION
	OVERHEAD TELEVISION
	UNDERGROUND LIGHTING
	OVERHEAD LIGHTING
	UNDERGROUND ELECTRIC
	OVERHEAD ELECTRIC
	UNDERGROUND COMPUTER
	OVERHEAD COMPUTER
	AC = ABOVE CEILING
	AUX = AUXILIARY CONTACT
	WP = WEATHERPROOF
	WG = WIRE GUARD
	A = ABOVE (CASEWORK)
	B = BELOW (CASEWORK)
	H = HORIZONTAL
	T = TOE KICK
	TS = TEACHER STATION USK = UNIVERSAL SERIAL BUS
	BELOW SYMBOLS

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.		
<div>  <div> TETRA TECH ARCHITECTS & ENGINEERS </div> </div>		
Mahopac Central School District Mahopac, NY		
Alterations to:		
Symbols and Abbreviations		
Drawn By: TTAE	Date: 08/21/20	Drawing Number: <div>G100</div>
Project No.: 121111-19002		



SUMMER / FALL 2022



JUNE 2022 THROUGH
SEPTEMBER 2022

I Site Phasing Plan
1" = 30'

0 15' 30' 60'
SCALE: 1" = 30'

S.E.D. Control No. 48-01-01-06-0-006-013

Rev. No.: Date: Description:

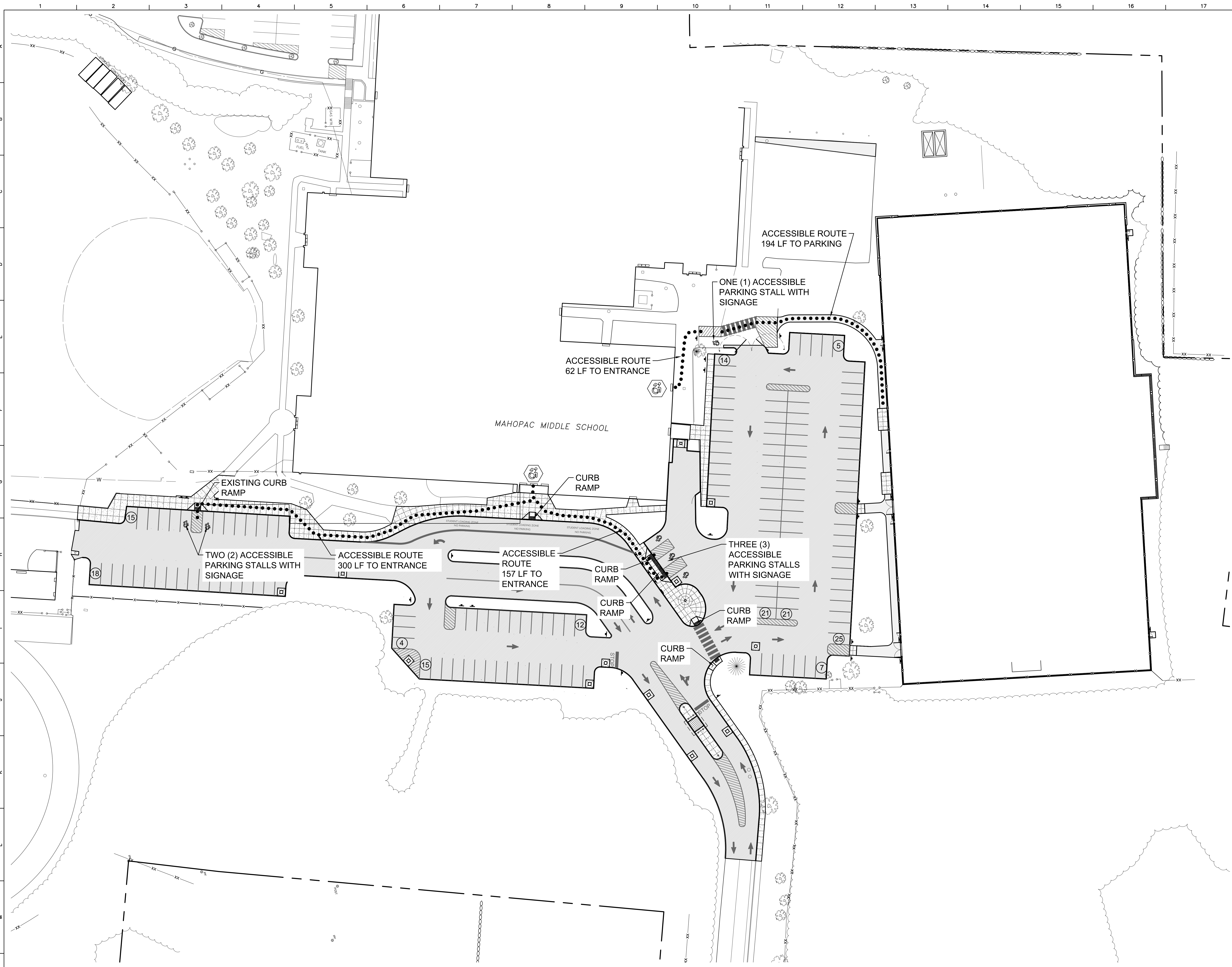


Mahopac Central School District
Mahopac, NY

Project Info and Description:
Reconstruction at Mahopac Middle School

Site Phasing Plan

Drawn by: Palombo	Date: 08/21/20	Drawing No.: BG200
T+ Project No.: 121111-19002		



General Site Notes

1. REFER TO DRAWING BC100 FOR GENERAL SITE NOTES THAT APPLY TO ALL BC-SERIES DRAWINGS.

ADA Site Notes

1. THE MAXIMUM SLOPE OF ACCESSIBLE PARKING STALLS AND ASSOCIATED ACCESS AISLE SHALL BE 2% (1V:50H).
2. THE MAXIMUM SLOPE IN THE DIRECTION OF TRAVEL ON ACCESSIBLE PATHS SHALL BE 5% (1V:20H).
3. THE MAXIMUM CROSS SLOPE ON ACCESSIBLE PATHS SHALL BE 2% (1V:50H).
4. THE MAXIMUM SLOPE IN THE DIRECTION OF TRAVEL ON ACCESSIBLE RAMPS AND CURB RAMPS SHALL BE 8.33% (1V:12H), AS INDICATED ON THE DETAILS.
5. GROUND SURFACES ON ACCESSIBLE PATHS SHALL BE STABLE, FIRM, AND SLIP RESISTANT.

IBC Table 1106.1 Accessible Parking Spaces

TOTAL NUMBER OF EXISTING AND PROPOSED PARKING SPACES = 153	TOTAL PARKING SPACES REQUIRED MINIMUM PROVIDED IN PARKING FACILITY	NUMBER OF ACCESSIBLE PARKING SPACES REQUIRED
NUMBER OF ACCESSIBLE PARKING SPACES REQUIRED = 8	1 TO 25	1
	26 TO 50	2
	51 TO 75	3
	76 TO 100	4
	101 TO 150	5
	151 TO 200	6
	201 TO 300	7
	301 TO 400	8
	401 TO 500	9
	501 TO 1,000	2% OF TOTAL
	OVER 1,000	20 PLUS 1 FOR EACH 100 OVER 1,000

NOTE: PARKING SPACES USED EXCLUSIVELY FOR BUSES, TRUCKS AND OTHER DELIVERY VEHICLES, AND LAW ENFORCEMENT VEHICLES ARE EXEMPT FROM IBC TABLE 1106.1.

Site Accessible Legend

ACCESSIBLE BUILDING ENTRY/EXIT

ACCESSIBLE ROUTE

Legend

NUMBER OF ADJACENT PARKING STALLS

BRUSH / VEGETATION LIMITS

S.E.D. Control No. 48-01-01-06-7-026-001
S.E.D. Control No. 48-01-01-06-0-003-008
S.E.D. Control No. 48-01-01-06-0-004-020
S.E.D. Control No. 48-01-01-06-0-006-013

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12/18/20

REVISED PER SED COMMENTS

Rev. No.:

Date:

Description:

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ARCHITECTS & ENGINEERS

Mahopac Central School District

Mahopac, NY

Reconstruction To:

Mahopac Middle School

Site Code Compliance Plan

Drawn by:

JRS

Date:

08/21/20

Drawing No.:

BG300

T+ Project No.:

121111-19002

Site Code Compliance Plan
1" = 30'

0 15' 30' 60'
SCALE: 1" = 30'

AREA OF WORK
ALTERATION LEVEL 2
APPROX. 80 SF.

BUILDING ADDITION 2000
FIRST FLOOR - 10,459 SF

BUILDING ADDITION 2000
FIRST FLOOR - 7,777 SF

ORIGINAL BUILDING 1971
FIRST FLOOR - 59,038 SF

BUILDING ADDITION 2000
FIRST FLOOR - 14,120 SF

BUILDING ADDITION 2000
GROUND FLOOR - 13,682 SF

AREA OF WORK
ALTERATION LEVEL 2
FIRST FLOOR - APPROX. 80 SF.

General Notes

- DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONS.
- TAKE FIELD MEASUREMENTS TO FIT THE WORK PROPERLY. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD.
- REFER INCONSISTENCIES TO ARCHITECT PRIOR TO COMMENCING THE WORK IN AFFECTED AREA.
- ITEMS ARE SHOWN DIAGMATICALLY ON DRAWINGS. VERIFY SPACE REQUIREMENTS AND DIMENSIONS TO FIT THE WORK PROPERLY.
- NOTES SHOWN ON ONE DRAWING APPLY TO ALL SIMILAR DRAWINGS.
- DO NOT DISTURB CONSTRUCTION SUSPECTED OF CONTAINING HAZARDOUS MATERIAL. IF ENCOUNTERED, IMMEDIATELY NOTIFY ARCHITECT, CONSTRUCTION MANAGER AND OWNER.

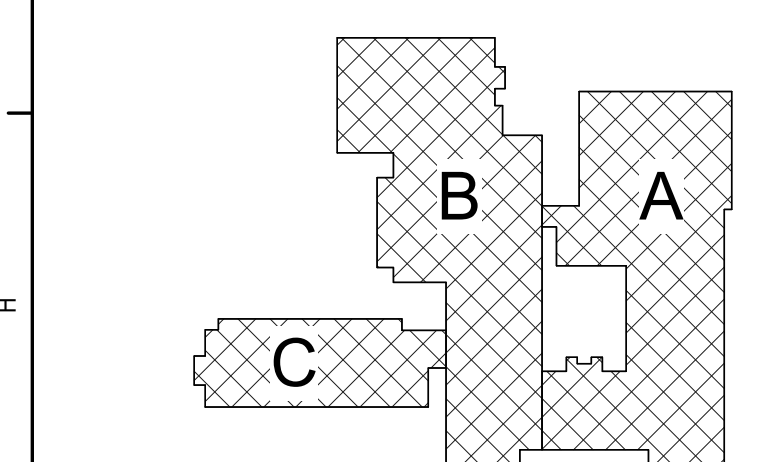
General Code Notes

- REFER TO CODE COMPLIANCE DRAWINGS FOR ADDITIONAL CODE COMPLIANCE INFORMATION.
- COORDINATE WITH FLOOR PLANS, WALL SECTIONS AND PARTITION TYPES FOR RATED WALL TYPES AND LOCATIONS. IMMEDIATELY NOTIFY ARCHITECT OF ANY WALL RATING DISCREPANCIES.
- ALL WALLS, INCLUDING AT CORRIDORS, SHALL EXTEND COMPLETELY TO THE UNDERSIDE OF DECKING, SUPPORTING STRUCTURE OR ROOF ABOVE, TYPICAL UNLESS NOTED OTHERWISE.
- AT AREAS OF PROJECT WORK, COMPLETELY SEAL ALL PENETRATIONS REQUIRED TO COMPLY WITH FIRE RESISTANCE RATINGS IDENTIFIED ON THE CODE DRAWINGS. REGARDLESS IF WALL IS NEW OR EXISTING, TYPICAL UNLESS NOTED OTHERWISE.
- PROVIDE APPLIED FIREPROOFING TO ALL BEAMS, JOISTS AND STRUCTURAL STEEL ELEMENTS AT ALL FIRE BARRIERS, FIRE PARTITIONS, AND OTHER RATED WALLS WHERE INDICATED ON DRAWINGS. AND THAT ARE NOT COMPLETELY PROTECTED WITHIN THE RATED CONSTRUCTION. PROTECTION OF SUCH ELEMENTS SHALL MATCH THE RATING OF THE WALL THAT THE ELEMENTS ARE CONTAINED WITHIN.
- ALL CMU CONSTRUCTION SHALL MEET FIRE RESISTANCE REQUIREMENTS INDICATED. PROVIDED BLOCK TYPE AS REQUIRED TO COMPLY WITH UL DESIGN NUMBERS AND WALL RATINGS INDICATED, REGARDLESS IF NOTED AS SUCH ON PLAN DETAILS.

Legend

ALL WALLS, INCLUDING CORRIDOR WALLS, EXTEND TO THE ROOF DECK OR FLOOR DECK ABOVE UNLESS NOTED OTHERWISE.

- COMMON EGRESS PATH
- XX NUMBER OF OCCUPANTS IN EACH SPACE, UNO
- XX-XX TOTAL EGRESS DISTANCE PER PATH
- NEW FIRE EXTINGUISHER LOCATION



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-006-013

Rev. No.: Date: Description:



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Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac Middle School

Code Compliance - Ground Floor and
First Floor Key Plans

Drawn By: TS Date: 08/21/20 Drawing Number:
Project No.: 121111-19002 BG351



2nd Floor Key Plan - NEW

$$1/16'' = 1'-0''$$

BUILDING ADDITION 2000
SECOND FLOOR - 2,168 SF

ORIGINAL BUILDING 1971
SECOND FLOOR - 41,726 SF

BUILDING ADDITION 2000
14,120 SF

General Notes

- | | |
|----|---|
| A. | DO <u>NOT</u> SCALE DRAWINGS TO OBTAIN DIMENSIONS. |
| B. | TAKE FIELD MEASUREMENTS TO FIT THE WORK PROPERLY. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD. |
| C. | REFER INCONSISTENCIES TO ARCHITECT PRIOR TO COMMENCING THE WORK IN AFFECTED AREA. |
| D. | ITEMS ARE SHOWN DIAGRAMMATICALLY ON DRAWINGS. VERIFY SPACE REQUIREMENTS AND DIMENSIONS TO FIT THE WORK PROPERLY. |
| E. | NOTES SHOWN ON ONE DRAWING APPLY TO ALL SIMILAR DRAWINGS. |
| F. | DO NOT DISTURB CONSTRUCTION SUSPECTED OF CONTAINING HAZARDOUS MATERIAL. IF ENCOUNTERED, IMMEDIATELY NOTIFY ARCHITECT, CONSTRUCTION MANAGER AND OWNER. |

General Code Notes

- A. REFER TO CODE COMPLIANCE DRAWINGS FOR ADDITIONAL CODE COMPLIANCE INFORMATION.
- B. COORDINATE WITH ARCH PLANS, WALL SECTIONS AND PARTITION TYPES FOR CONFLICTS IN TYPES AND LOCATIONS. IMMEDIATELY NOTIFY ARCHITECT OF ANY WALL RATING DISCREPANCIES.
- C. ALL WALLS, INCLUDING AT CORRIDORS, SHALL EXTEND COMPLETELY TO THE UNDERSIDE OF DRUMING, SUPPORTING STRUCTURE OR ROOF ABOVE. TYPICAL UNLESS NOTED OTHERWISE.
- D. AT AREAS OF PROJECT WORK, COMPLETELY SEAL ALL PENETRATIONS REQUIRED TO COMPLY WITH FIRE RESISTANCE RATING IDENTIFIED ON DRAWING. REGARDLESS IF WALL IS NEW OR EXISTING. TYPICAL UNLESS NOTED OTHERWISE.
- E. PROVIDE APPLIED FIREPROOFING TO ALL BEAMS, JOISTS AND STRUCTURAL STEEL ELEMENTS AT ALL FIRE BARRIERS, FIRE PARTITIONS, AND OTHER RATED WALLS WHERE INDICATED ON DRAWINGS, AND THAT ARE NOT COMPLETELY PROTECTED WITH THE RATED CONSTRUCTION. THE RATING OF SUCH ELEMENTS SHALL MATCH THE RATING OF THE WALL THAT THE ELEMENTS ARE CONTAINED WITHIN.
- F. ALL CMU CONSTRUCTION SHALL MEET FIRE RESISTANCE REQUIREMENTS INDICATED. PROVIDE BLOCK TYPE AND WALL RATING TO COMPLY WITH UL DESIGN NUMBERS AND WALL RATINGS INDICATED. REGARDLESS IF NOTED AS SUCH ON PLAN DETAIL.

Legend

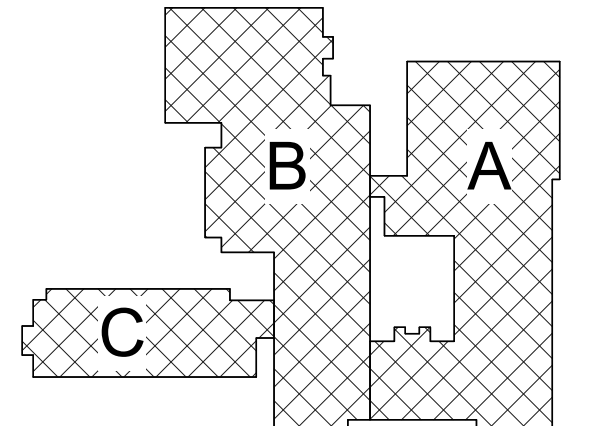
ALL WALLS, INCLUDING CORRIDOR WALLS, EXTEND TO THE ROOF DECK OR FLOOR DECK ABOVE UNLESS NOTED OTHERWISE.

----- COMMON EGRESS PATH

YY NUMBER OF OCCUPANTS IN EACH SPACE UNO

XX'-XX" TOTAL EGRESS DISTANCE PER PATH

 NEW FIRE EXTINGUISHER LOCATION



Key Plan
N.T.S.

S.F.D. Control No. 48-01-01-06-0-006-013

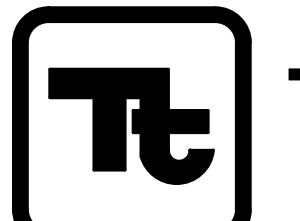
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Rev. No.:	Date:	Description:
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& Landscape Architects, P.C.



TETRA TECH
ARCHITECTS & ENGINEERS

<p>Mahopac Central School District Mahopac, NY</p>
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M	Reconstruction To: Mahopac Middle School
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Code Compliance - Second Floor Key Plan

Drawn By:	Date:	Drawing Number:
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Z	Drawn By:	Date:
	TS	08/21/20

Project No.:
121111-19002

Drawing Number:

3G352

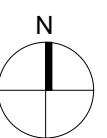
BID SET


$$\overline{1/8'' = 1'-0''}$$

- A PROVIDE OPENING THROUGH EXTERIOR WALL PRESUMED TO CONTAIN PRESUMED ACM INSULATION, MASTIC, VAPOR BARRIER, AND OTHER MATERIALS. COORDINATE EXACT LOCATION AND SIZE OF OPENING WITH CONTRACTOR RESPONSIBLE FOR NEW LOUVER INSTALLATION.
- B REMOVE CEILING GRID TO THE EXTENT NECESSARY FROM SHEETROCK WALL WITH ACM JOINT COMPOUND
- C REMOVE SHEETROCK WITH ASBESTOS CONTAINING JOINT COMPOUND IN ITS ENTIRETY LOCATED ABOVE THE LOCKERS. FRAMING AND SUPPORT SYSTEM SHALL REMAIN

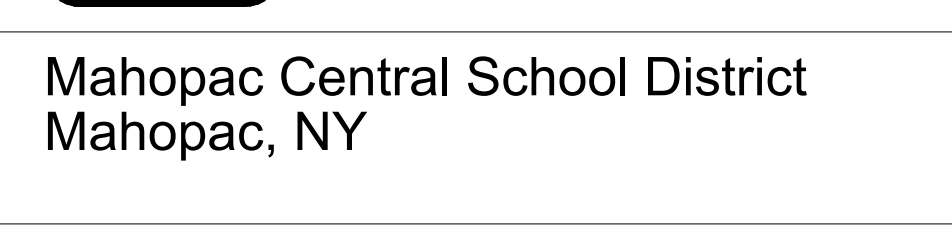
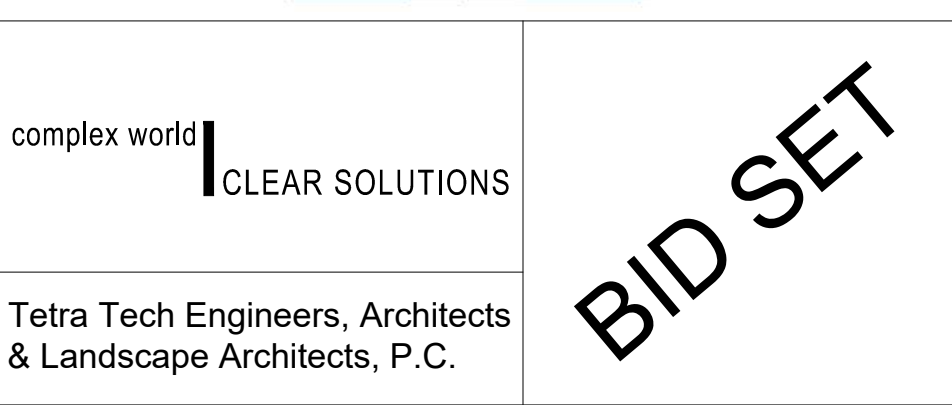
1. CONTRACTOR PERFORMING ANY AND ALL ASBESTOS ABATEMENT WORK SHALL BE A NYSDOL LICENSED ASBESTOS CONTRACTOR.
2. PERFORM ALL WORK IN ACCORDANCE WITH SPECIFICATION SECTION 02 82 00 - ASBESTOS ABATEMENT.
3. ASBESTOS CONTAINING MATERIALS SHALL BE ABATED IN ACCORDANCE WITH THE DRAWINGS AND SECTION 02 82 00 PRIOR TO ANY GENERAL DEMOLITION WORK THAT COULD DISTURB THOSE MATERIALS.
4. DO NOT SCALE DRAWINGS.
5. COORDINATE ALL WORK WITH OTHER CONTRACTORS.
6. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY AND ALL VARIANCES FROM INDUSTRIAL CODE RULE 59, WHICH ARE DESIRED IN ORDER TO PERFORM THE WORK.
7. REMOVE ALL ABATED MATERIALS FROM THE WORK AREA AND/OR BUILDING IN SEALED BAGS, DRUMS OR PLASTIC SHEETING.
8. WHERE INTERIOR ABATEMENT OCCURS, ISOLATE THE WING OR MAJOR SECTION OF THE BUILDING, FROM OCCUPIED PORTIONS OF THE BUILDING WITH SEALED ISOLATION BARRIERS CONSTRUCTED OF NON-FLAMMABLE MATERIALS. THE ISOLATED PORTION OF THE BUILDING MUST CONTAIN EXITS THAT DO NOT PASS THROUGH THE PORTION OF THE BUILDING AND VENTILATION SYSTEMS SHALL BE PHYSICALLY SEPARATED AND SEALED AT THE ISOLATION BARRIER.

1. EACH PRIME CONTRACTOR IS RESPONSIBLE FOR THEIR OWN WORK WHICH WILL DISTURB LEAD PAINTED OR CONTAINING MATERIALS.
2. ALL PAINTED OR GLAZED SURFACES ARE PRESUMED TO BE LEAD CONTAINING, AND SHALL BE TREATED AS LEAD-BASED PAINT.
3. PERFORM ALL WORK THAT WILL DISTURB LBP IN ACCORDANCE WITH SECTION 02 83 00 - LEAD-SAFE WORK PRACTICES.



S.E.D. Control No: 48-01-01-06-0-006-013

Rev. No.:	Date:	Description:



Abatement Plan

Drawn by: TJT	Date: 8/21/20	Drawing No.: <div style="font-size: 2em; font-weight: bold;">BH100</div>
Project No.: 121111-19002		



Site Phasing Notes

1. INSTALL SOIL EROSION AND SEDIMENT CONTROL MEASURES BEFORE SOIL DISTURBANCE AND INSTALLATION OF OTHER TEMPORARY CONSTRUCTION FEATURES.
2. ACCESS ROADS AND CONSTRUCTION ENTRANCES ARE TO BE KEPT CLEAR AT ALL TIMES.
3. REFER TO PROJECT MANUAL FOR PHASING INFORMATION FOR INSTALLATION OF PAVING, SIDEWALKS, CURBING AND STORM UTILITIES.
4. CONTRACTOR PARKING IS RESTRICTED TO STAGING OR DESIGNATED TEMPORARY PARKING AREAS.
5. AT STAGING AND OTHER TEMPORARY AREAS TO BE RESTORED TO LAWN: THOROUGHLY REMOVE GRAVEL, STONES, DEBRIS, VEGETATION, ETC. FROM EXISTING TOPSOIL AND SCARIFY TO A MINIMUM DEPTH OF 6". AMEND TOPSOIL WITH COMPOST AND NUTRITIONAL AMENDMENTS AND FINE GRADE, FERTILIZE AND SEED OR SOD.
6. AT STAGING AND OTHER TEMPORARY AREAS ON EXISTING PAVING: CONTRACTOR TO REMOVE AND REPLACE EXISTING PAVING IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS.
7. PAVING THAT IS DAMAGED DUE TO CONSTRUCTION ACTIVITIES, AND NOT SPECIFICALLY SLATED TO BE REVISED, IS TO BE REMOVED AND REPLACED IN-KIND, IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS.
8. LAWN THAT IS DAMAGED DUE TO CONSTRUCTION ACTIVITIES IS TO BE REMOVED AND THE AREA SCARIFIED. PROVIDE NEW TOPSOIL AS REQUIRED TO BRING THE AREA TO MATCH SURROUNDING GRADE. FERTILIZE AND SEED OR SOD.

General Site Notes

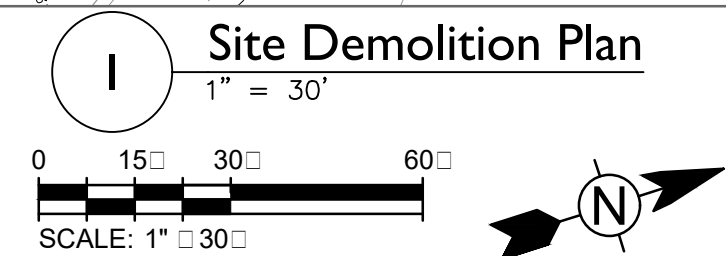
1. THESE GENERAL SITE NOTES APPLY TO C-SERIES DRAWINGS.
2. REFER TO SURVEY FOR INFORMATION ON EXISTING FEATURES. IF EXISTING FEATURES ARE MISSING, MODIFIED, OBSCURED, OR THERE IS A CONFLICT BETWEEN HOW AN EXISTING FEATURE IS PORTRAYED ON THIS SHEET AND THE SURVEY, THE SURVEY SHALL GOVERN.
3. PRIOR TO CONSTRUCTION, LOCATE AND PROMINENTLY MARK THE PROPERTY LINES IN THE FIELD. PROTECT PROPERTY LINE MARKING AND MONUMENTS DURING CONSTRUCTION UNTIL FINAL ACCEPTANCE.
4. THE SURVEY(S) INCLUDED IN THESE DOCUMENTS ARE PROVIDED FOR INFORMATION ONLY AND ARE THE BASE INFORMATION USED TO PREPARE THE WORK INDICATED ON THESE DRAWINGS. THE DATA INDICATED REGARDING EXISTING CONDITIONS IS NOT INTENDED AS REPRESENTATIONS OR WARRANTIES OF THEIR ACCURACY. BY INCLUSION OF THE SURVEY(S) IN THIS SET OF DOCUMENTS, TETRA TECH AND THE OWNER DO NOT ASSUME RESPONSIBILITY FOR ACCURACY OF THE SURVEY, NOR FOR INTERPRETATIONS OR CONCLUSIONS DRAWN THEREFROM BY THE CONTRACTOR.
5. THE CONTRACTOR SHALL FIELD VERIFY EXISTING FEATURES, CONDITIONS, UTILITIES, PROPERTY LINES AND TOPOGRAPHY PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCIES WHICH WILL AFFECT THE WORK REQUIRED AS PART OF THE CONTRACT DOCUMENTS SHALL BE IMMEDIATELY REPORTED IN WRITING TO THE ARCHITECT. COMMENCEMENT OF WORK WITHOUT THIS WRITTEN NOTIFICATION SHALL CONSTITUTE CONTRACTOR ACCEPTANCE OF THE EXISTING INFORMATION INDICATED ON THE DRAWINGS AS ACCURATE. NO ADJUSTMENTS TO THE CONTRACT WILL BE MADE FOR THE DISCREPANCIES BROUGHT TO THE OWNER'S ATTENTION AFTER WORK HAS BEGUN.

6. NO ATTEMPT HAS BEEN MADE TO SHOW ALL UNDERGROUND UTILITIES ON THIS DRAWING. CONTACT UNDERGROUND UTILITY LOCATION ORGANIZATION AND LOCAL UTILITY COMPANIES TO VERIFY THE LOCATION OF UTILITIES PRIOR TO EARTHWORK, TRENCHING OR EXCAVATION OPERATIONS.
7. CONTRACT LIMIT LINE SHALL BE TEN FEET OUTSIDE OF LIMITS OF WORK INDICATED ON THESE DRAWINGS AND NOT TO EXTEND BEYOND THE PROPERTY LINE UNLESS OTHERWISE INDICATED.
8. CONTRACTOR SHALL PROVIDE CONSTRUCTION PROTECTIVE FENCING OR OTHER MEANS NECESSARY TO PROTECT WORK AND TO ENSURE SAFETY OF THE PUBLIC, PEDESTRIANS AND VEHICULAR TRAFFIC DURING CONSTRUCTION. SEE DETAIL 13 / ZC500.
9. FOR INFORMATION REGARDING SUBSURFACE CONDITIONS AND TEST LOCATIONS, COORDINATE WITH OWNER REGARDING THE AVAILABILITY OF GEOTECHNICAL INFORMATION.
10. AT EDGE OF ALL NEW PAVING MEETING LAWN, REMOVE EXISTING TURF TO MINIMUM OF 4-FT FROM NEW PAVEMENT EDGE, UNLESS OTHERWISE NOTED. CUT NEAT REMOVAL LINE AND SCARIFY EXISTING GRADE. PROVIDE TAMPED TOPSOIL TO BRING EXISTING GRADE FLUSH WITH NEW PAVING. SLOPE LAWN AWAY FROM PAVING TO PREVENT PONDING. FINE GRADE, FERTILIZE, SEED AND MULCH IN ACCORDANCE WITH THE PROJECT MANUAL.

Site Preparation/Demolition Key Notes

1. EXISTING LAWN AREA TO REMAIN - REPAIR AS REQUIRED.
2. SAW CUT EXISTING ASPHALT PAVEMENT, LEAVING NEAT, SMOOTH AND STRAIGHT EDGE TYPICAL.
3. REMOVE EXISTING ASPHALT PAVEMENT SECTION, INCLUDING AGGREGATE AND SUBBASE. REMOVE ADDITIONAL SUBBASE AS REQUIRED TO MEET DESIGN GRADES AND ACCOMMODATE NEW WORK.
4. REMOVE EXISTING CONCRETE CURB AND/OR SIDEWALK, INCLUDING AGGREGATE AND SUBBASE. REMOVE ADDITIONAL SUBBASE AS REQUIRED TO MEET DESIGN GRADES AND ACCOMMODATE NEW WORK.
5. REMOVE EXISTING CHAIN LINK FENCE AND GATES.
6. EXISTING UTILITY TO REMAIN, PROTECT.
7. PROPOSED WORK UTILITY CROSSING LOCATION. HAND DIG IN VICINITY OF EXISTING BURIED UTILITIES TO AVOID DAMAGE. TYPICAL.
8. EXISTING CURB TO REMAIN, PROTECT.
9. EXISTING GUARD SHACK TO BE RELOCATED. REMOVE, PROTECT AND STORE FOR RELOCATION. SEE ARCHITECTURAL PLANS.
10. EXISTING LIGHT POLE TO REMAIN, PROTECT.
11. EXISTING ASPHALT TO REMAIN, PROTECT. TYPICAL.
12. EXISTING CONCRETE TO REMAIN, PROTECT. TYPICAL.
13. EXISTING VEGETATION TO REMAIN, PROTECT.
14. REMOVE EXISTING WOOD STRUCTURE AND COORDINATING EQUIPMENT.
15. REMOVE EXISTING TREE AND SHRUBS, INCLUDING STUMPS, ROOTS AND ALL ORGANIC MATTER. BACKFILL VOIDS IN SPECIFIED LIFTS. REFER TO PROJECT MANUAL - EARTH MOVING SECTION. GEOTECHNICAL ENGINEER TO BE PRESENT DURING FILL AND COMPACTION OPERATIONS. WETLAND AREA MINIMIZE DISTURBANCE.

16. EXISTING SIGNAGE TO REMAIN, PROTECT.
17. STRIP, SCREEN, AND STOCKPILE TOPSOIL. STOCKPILE LOCATION TO BE APPROVED BY OWNER'S REPRESENTATIVE. REMOVE SUBGRADE AS REQUIRED TO MEET DESIGN GRADES AND ACCOMMODATE NEW WORK. HAND DIG IN VICINITY OF EXISTING BURIED UTILITIES TO AVOID DAMAGE. TYPICAL.
18. REMOVE EXISTING FLAG POLE. STORE FOR RE-INSTALLATION.
19. SAW CUT EXISTING CONCRETE SIDEWALK AT NEAREST JOINT, LEAVING A NEAT, SMOOTH, AND STRAIGHT EDGE. TYPICAL.
20. SAW CUT EXISTING CONCRETE CURB SECTION AT NEAREST JOINT, LEAVING A NEAT, SMOOTH, AND STRAIGHT EDGE. TYPICAL.
21. BASKETBALL HOOP TO REMAIN, PROTECT.
22. REMOVE EXISTING SIGNAGE, POSTS AND FOOTINGS. STORE SIGNAGE AND SUPPORT POSTS ON-SITE IN OWNER APPROVED LOCATION FOR REINSTALLATION.
23. EXISTING SCOREBOARD TO REMAIN, PROTECT.
24. EXISTING STRUCTURE TO REMAIN, PROTECT.
25. REMOVE EXISTING FLAG POLE LIGHTING. REFER TO ELEC. DRAWINGS.
26. RELOCATE STORAGE CONTAINERS TEMPORARILY MOVED DURING CONSTRUCTION. VERIFY FINAL LAYOUT WITH OWNER. TYPICAL.
27. WETLAND DISTURBANCE AREA. PROVIDE SELECTIVE VEGETATIVE REMOVAL ONLY NECESSARY TO INSTALL DISCHARGE PIPING. DISTURBANCE NOT TO EXCEED LIMITS SHOWN ON PLAN.
28. REMOVE EXISTING TUBE STEEL SWING GATE, POSTS AND FOOTINGS, TYP.
29. REMOVE EXISTING POST AND FOOTING, TYP.



SITE DEMOLITION AND PREPARATION LEGEND

	REMOVE EXISTING ASPHALT PAVEMENT SECTION AND SUBBASE AS REQUIRED
	REMOVE EXISTING CONCRETE PAVEMENT SECTION AND SUBBASE AS REQUIRED
XXXX	REMOVE SITE FEATURE AS INDICATED IN DEMOLITION KEYNOTES (Outline of Feature)
X	REMOVE SITE FEATURE AS INDICATED IN DEMOLITION KEYNOTES (Specific Feature)
	REMOVE LINEAR FEATURE REFER TO DRAWINGS FOR TYPE
	REMOVE EXISTING LAWN AND SOIL AS REQUIRED
	GRUBBING / BRUSH AND TREE REMOVAL

Site Preparation/Demolition General Notes

1. THESE GENERAL SITE / PREPARATION / DEMOLITION NOTES REFER TO BC-SERIES DRAWINGS.
2. THE INTENT OF THIS DRAWING IS TO INDICATE PREPARATORY WORK, REMOVALS AND DEMOLITION NECESSARY TO CONSTRUCT THE PROJECT AS SHOWN ON THE REST OF THE CONTRACT DRAWINGS. SOME NOTES ARE GENERAL IN NATURE AND IT SHALL BE UNDERSTOOD THAT IT IS NOT FEASIBLE TO INDICATE EACH AND EVERY SPECIFIC REMOVAL. SITE PREPARATION / DEMOLITION DRAWINGS SHALL NOT BE USED ALONE, BUT SHALL BE USED IN CONJUNCTION WITH THE OTHER DRAWINGS FOR WORK TO BE REMOVED, REUSED, AND / OR REVISED NOT INDICATED HERE.
3. CONTRACTOR TO MAINTAIN UTILITY SERVICES TO BUILDINGS TO REMAIN. IF UTILITY SERVICES MUST BE INTERRUPTED THE CONTRACTOR SHALL COORDINATE THAT SHUTDOWN TO MINIMIZE IMPACT TO BUILDINGS. SEE PROJECT MANUAL REGARDING COORDINATION OF DEMOLITION WORK WITH UTILITY COMPANIES.
4. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN SAFE SITE ACCESS TO PEDESTRIAN, VEHICULAR TRAFFIC, EMERGENCY AND HEALTH SAFETY AGENCIES. IF ACCESS WILL BE COMPROMISED IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE AT LEAST ONE WEEK IN ADVANCE WITH THE OWNER'S REPRESENTATIVE AND HEALTH SAFETY AGENCIES, UNLESS OTHERWISE NOTED IN THE PROJECT MANUAL.
5. UTILITIES, SIDEWALKS, PAVEMENT, SLABS, FOUNDATIONS, AND MISCELLANEOUS FEATURES NOTED TO BE DEMOLISHED SHALL BE SPOILED OFF-SITE IN A LEGAL MANNER UNLESS OTHERWISE DIRECTED BY THE OWNER'S REPRESENTATIVE. NO BURNING OF DEBRIS SHALL BE ALLOWED. IMMEDIATELY BACKFILL VOIDS WITH COMPACTED GRANULAR MATERIAL AS SPECIFIED.
6. WHEN A SITE FEATURE IS INDICATED TO BE REMOVED, THE SITE FEATURE, INCLUDING APPURTENANCES AND FOOTINGS, SHALL BE DISPOSED OF LEGALLY OFF SITE, UNLESS OTHERWISE INDICATED IMMEDIATELY BACKFILL VOIDS WITH COMPACTED GRANULAR MATERIALS AS SPECIFIED.
7. WHEN A SITE FEATURE IS INDICATED TO REMAIN, IT SHALL BE PROTECTED AS INDICATED AND / OR SPECIFIED. WHEN DISTURBANCE OCCURS AROUND AN EXISTING FEATURE, THE CONTRACTOR SHALL USE ADDITIONAL PRECAUTIONS INCLUDING, BUT NOT LIMITED TO HAND DIGGING TO PROTECT THE FEATURE.
8. EXISTING ON-SITE UTILITIES SHALL REMAIN UNLESS DESIGNATED FOR REMOVAL. PROTECT ALL EXISTING UTILITIES TO REMAIN.
9. MANHOLES, CATCH BASINS, CLEAN OUTS, VALVE BOXES, FRAMES, COVERS AND GRATES REMAINING IN USE SHALL BE PROTECTED AND ADJUSTED TO FINAL GRADES. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AT ALL TIMES.
10. CONTRACTOR IS RESPONSIBLE TO VERIFY GRADES AND UTILITIES SHOWN ON EXISTING CONDITIONS PLAN PRIOR TO START OF WORK. DISCREPANCIES ARE TO BE DOCUMENTED AND SUBMITTED TO THE OWNER'S REPRESENTATIVE AT THE TIME OF DISCOVERY.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATIONS, INCLUDING, BUT NOT LIMITED TO, UTILITIES, STORM DRAINAGE, SIGNS, ETC. AS INDICATED ON DESIGN DOCUMENTS.
12. IF EXISTING SITE FEATURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION BY CONTRACTOR, SITE FEATURES SHALL BE REPAIRED IN-KIND, TYPICAL.
13. CONTRACTOR TO REMOVE OR RELOCATE, WHEN APPLICABLE, ALL CONNECTING DEVICES, DRAIN PIPES, SANITARY SEWER PIPES, POWER POLES, AND GUY WIRES, WATER METERS AND WATER LINES, WELLS, SIDEWALKS, SIGN POLES, UNDERGROUND GAS, SEPTIC TANKS, AND ASPHALT, SHOWN AND NOT SHOWN, WITHIN CONSTRUCTION LIMITS AND WHERE NEEDED, TO ALLOW FOR NEW CONSTRUCTION AS SHOWN.
14. CONTRACTOR TO NOTIFY OWNER'S REPRESENTATIVE IF UNIDENTIFIED UTILITIES ARE ENCOUNTERED INCLUDING, BUT NOT LIMITED TO, STORM SEWER, SANITARY SEWER, TELECOMMUNICATIONS SERVICE, ELECTRICAL SERVICE, GAS SERVICE, WATER SERVICE, IRRIGATION LINES. UTILITIES LINES TO REMAIN UNDISTURBED UNTIL DIRECTED BY OWNERS REPRESENTATIVE.
15. CONTRACTOR SHALL REQUEST UFPD PRIOR TO START OF ANY WORK. "DIG SAFELY NEW YORK - CALL 811 - BEFORE YOU DIG".
16. IF ALTERNATE No. 1 IS NOT TAKEN, PROVIDE SURFACE DEMOLITION ONLY NECESSARY TO PROVIDE TRANSITION BACK TO EXISTING GRADE. SEE GRADING PLANS.

S.E.D. Control No. 48-01-01-06-7-026-001
S.E.D. Control No. 48-01-01-06-0-003-008
S.E.D. Control No. 48-01-01-06-0-004-020
S.E.D. Control No. 48-01-01-06-0-006-013

Rev. No.: Date: Description:



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Tetra Tech Engineers, Architects
& Landscape Architects, P.C.



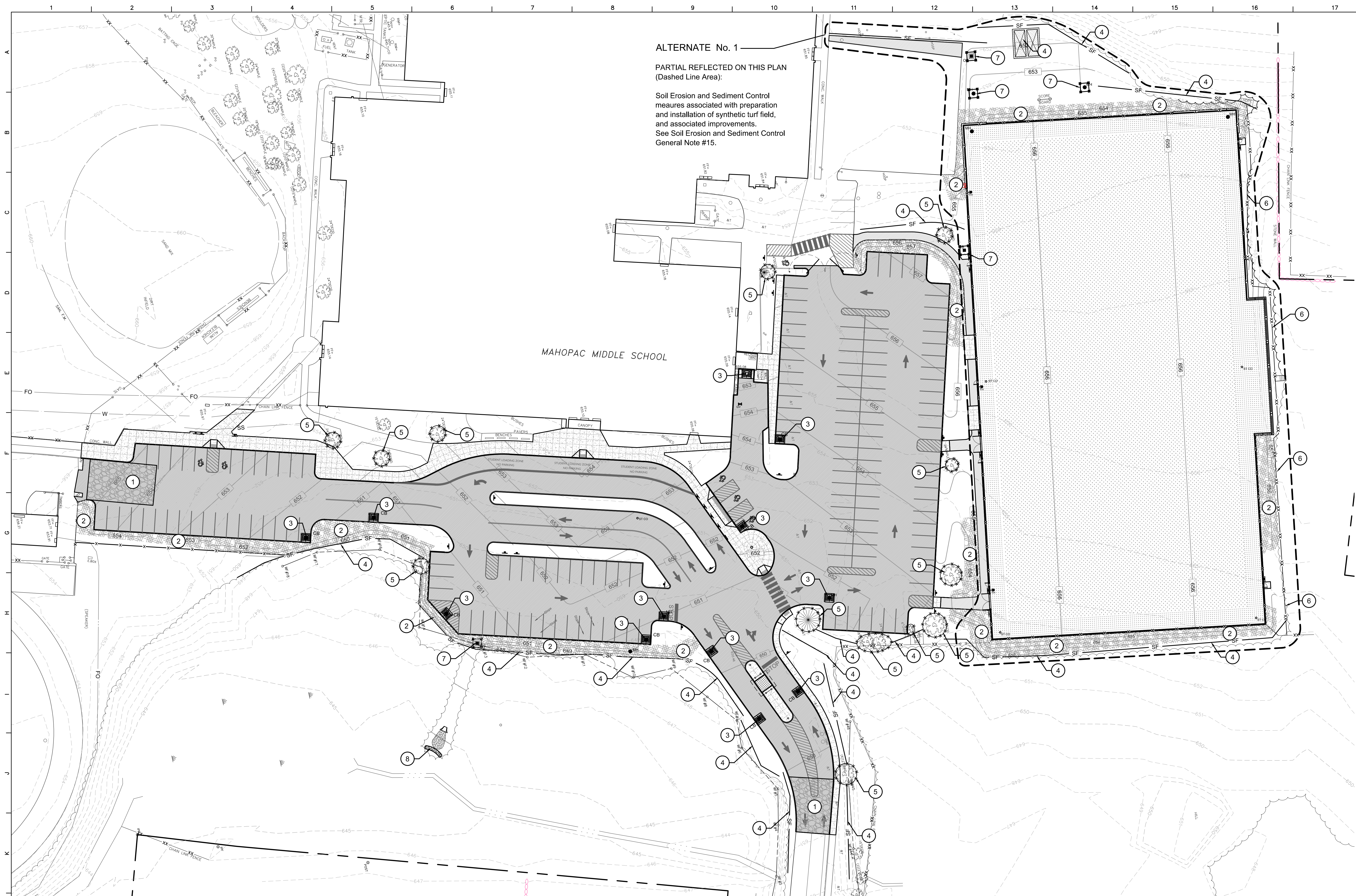
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac Middle School

Site Demolition Plan

Drawn by: DFL	Date: 08/2/20	Drawing No.: BC100
T+ Project No.: 121111-19002		

BID SET



ALTERNATE No. 1
PARTIAL REFLECTED ON THIS PLAN
(Dashed Line Area):
Soil Erosion and Sediment Control
measures associated with preparation
and installation of synthetic turf field,
and associated improvements.
See Soil Erosion and Sediment Control
General Note #15.

General Site Notes

1. REFER TO DRAWING BC100 FOR GENERAL SITE NOTES THAT APPLY TO BC-SERIES DRAWINGS.

Soil Erosion & Sediment Control Key Notes

1. PROVIDE STABILIZED CONSTRUCTION ENTRANCE. SEE DETAIL 11 / ZC500.
2. AFTER GRADING OPERATIONS ARE COMPLETE, PROVIDE TURF REINFORCEMENT EROSION CONTROL BLANKET WHERE INDICATED AND AT ALL SLOPES 3H : 1V OR STEEPER. SEE DETAIL 16 / ZC500.
3. PROVIDE DROP-IN INLET PROTECTION. TYPICAL. SEE DETAIL 8 / ZC500.
4. PROVIDE SILT FENCE. TYPICAL. SEE DETAIL 12 / ZC500.
5. PROVIDE VEGETATION PROTECTION. TYPICAL. SEE DETAIL 15 / ZC500.
6. PROVIDE CONSTRUCTION FENCE. TYPICAL. SEE DETAIL 13 / ZC500.
7. PROVIDE INLET PROTECTION IN LAWN. TYPICAL. SEE DETAIL 7 / ZC500.
8. PROVIDE STONE CHECK DAM. TYPICAL. SEE DETAIL 11 / ZC502.

SOIL EROSION AND SEDIMENT CONTROL LEGEND

SYMBOL	DESCRIPTION
	TEMPORARY CONSTRUCTION ENTRANCE
	TEMPORARY CONSTRUCTION FENCE
	VEGETATION PROTECTION
	SILT FENCE
	DROP-IN INLET PROTECTION
	INLET PROTECTION IN LAWN
	TURF REINFORCEMENT ROLLED EROSION CONTROL BLANKET
	STONE CHECK DAM (TOP OF DAM ARCH IS UP-GRADIENT IN SWALE)

S.E.D. Control No. 48-01-01-06-7-026-001
S.E.D. Control No. 48-01-01-06-0-003-008
S.E.D. Control No. 48-01-01-06-0-004-020
S.E.D. Control No. 48-01-01-06-0-006-013

Rev. No.: Date: Description:



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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET



Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac Middle School

Site Soil Erosion and Sediment Control Plan

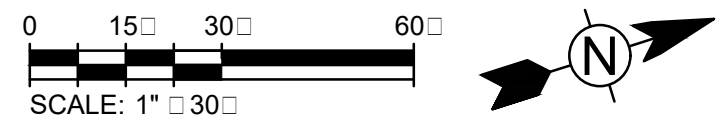
Drawn by: DFL	Date: 08/21/20	Drawing No.: BC110
T+ Project No.: 121111-19002		

Site Erosion and Sediment Control Notes

1. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS SPECIFIED IN THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (BLUE BOOK), LATEST EDITION, AND WILL BE INSTALLED IN PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
2. ANY DISTURBED AREA THAT WILL BE LEFT EXPOSED FOR MORE THAN THIRTY DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PROHIBITS TEMP. SEEDING, THE DISTURBED AREA WILL BE MULCHED WITH SALT HAY OR EQUIVALENT AND BOUND IN ACCORDANCE WITH THE NY STANDARDS.
3. NYS DEC REGULATIONS REQUIRE THAT DISTURBANCE BE LIMITED TO AREAS LESS THAN 5-ACRES AT ANY ONE TIME.
4. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT ACCORDING TO NYS DEC STANDARDS.
5. STABILIZATION SPECIFICATIONS:
A. SOIL AMENDMENTS:
LIME - PROVIDE GROUND LIMESTONE TO PH OF 6.0.
FERTILIZER - 14 LBS/1,000 S.F., 5-10-10 OR EQUIVALENT WORKED INTO SOIL A MINIMUM OF 4".
B. TEMPORARY SEEDING AND MULCHING:
SEED - ANNUAL RYEGRASS 30 LBS/ACRE PLANT BETWEEN MARCH 1 AND MAY 15 OR BETWEEN AUGUST 15 AND OCTOBER 1. USE WINTER RYE IF SEEDING IN OCT./NOV.
MULCH - SALT HAY OR SMALL GRAIN STRAW AT A RATE OF 90 LBS/1,000 S.F., TO BE APPLIED ACCORDING TO THE NY STANDARDS. MULCH SHALL BE SECURED BY WOOD FIBER MULCH. HYDROMULCH AT 11-17 LBS/1,000 S.F. WOOD FIBER MULCH MUST BE APPLIED THROUGH A HYDROSEEDER IMMEDIATELY AFTER MULCHING.
C. PERMANENT SEEDING AND MULCHING:
SEED - REFER TO PROJECT MANUAL SPECIFICATIONS FOR SEED TYPE, RATE OF SEEDING AND SEASON OF SEEDING. RATE AND SEED TYPE ARE TO MEET THE MINIMUM REQUIREMENTS OF THE NY STANDARDS.
MULCH - REFER TO PROJECT MANUAL SPECIFICATIONS FOR MULCH TYPE, RATE OF APPLICATION, ETC. RATE AND MULCH TYPE ARE TO MEET THE MINIMUM REQUIREMENTS OF THE NY STANDARDS.
6. TEMPORARY BERMS ARE TO BE INSTALLED ON ALL CLEARED ROADWAYS AND EASEMENT AREAS IN ACCORDANCE WITH SECTION 5A OF THE NY STANDARDS.
7. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORMWATER RUN-OFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
8. ALL SEDIMENTATION STRUCTURES WILL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS.
8. STOCKPILES ARE NOT TO BE LOCATED WITHIN 50' OF A FLOODPLAIN, SLOPE, ROADWAY, OR DRAINAGE FACILITY. THE BASE OF ALL STOCKPILES SHOULD BE PROTECTED BY A SILT DAM OR STRAW BALE DIKE IN ACCORDANCE WITH NY STANDARDS.
9. A CRUSHED STONE, VEHICLE WHEEL-CLEANING BLANKET WILL BE INSTALLED WHEREVER A CONSTRUCTION ACCESS ROAD INTERSECTS ANY PAVED ROADWAY. SAID BLANKET WILL BE COMPOSED OF 2" CRUSHED STONE, 6" THICK, WILL BE AT LEAST 30'X100' AND SHOULD BE UNDERLAIN WITH A SUITABLE SYNTHETIC SEDIMENT FILTER FABRIC AND MAINTAINED. SEE DETAIL.
10. ALL CATCH BASIN INLETS WILL BE PROTECTED WITH A FABRIC FILTER CRUSHED STONE OR FABRIC FILTER. FILTER DETAILS APPEAR ON THE PLAN.
11. ALL STORM DRAINAGE OUTLETS WILL BE STABILIZED, AS REQUIRED, BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.
12. ALL DEWATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT TRAP OR APPROVED AFTERMARKET PRODUCT IN ACCORDANCE WITH SECTION 5A OF THE NY STANDARDS.
13. PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.
14. STABILIZED CONSTRUCTION ENTRANCE AND CONSTRUCTION ACCESS AREAS TO BE RESTORED TO EXISTING CONDITIONS. LAWN RESTORATION SHALL INCLUDE REMOVAL GRANULAR FILL, GRAVEL AND STONE, SCARIFY SUBGRADE, PROVIDE TOPSOIL AND LIGHTLY COMPACT TO BE FLUSH WITH SURROUNDING GRADE. FINE GRADE, FERTILIZE, SEED AND MULCH.
15. IF ALTERNATE No.1 IS NOT TAKEN, PROVIDE SOIL EROSION AND SEDIMENT CONTROL MEASURES FOR BASE BID WORK AND WITHIN TRANSITION ZONE TO ALTERNATE AREA AS NECESSARY TO PROTECT THE SITE.

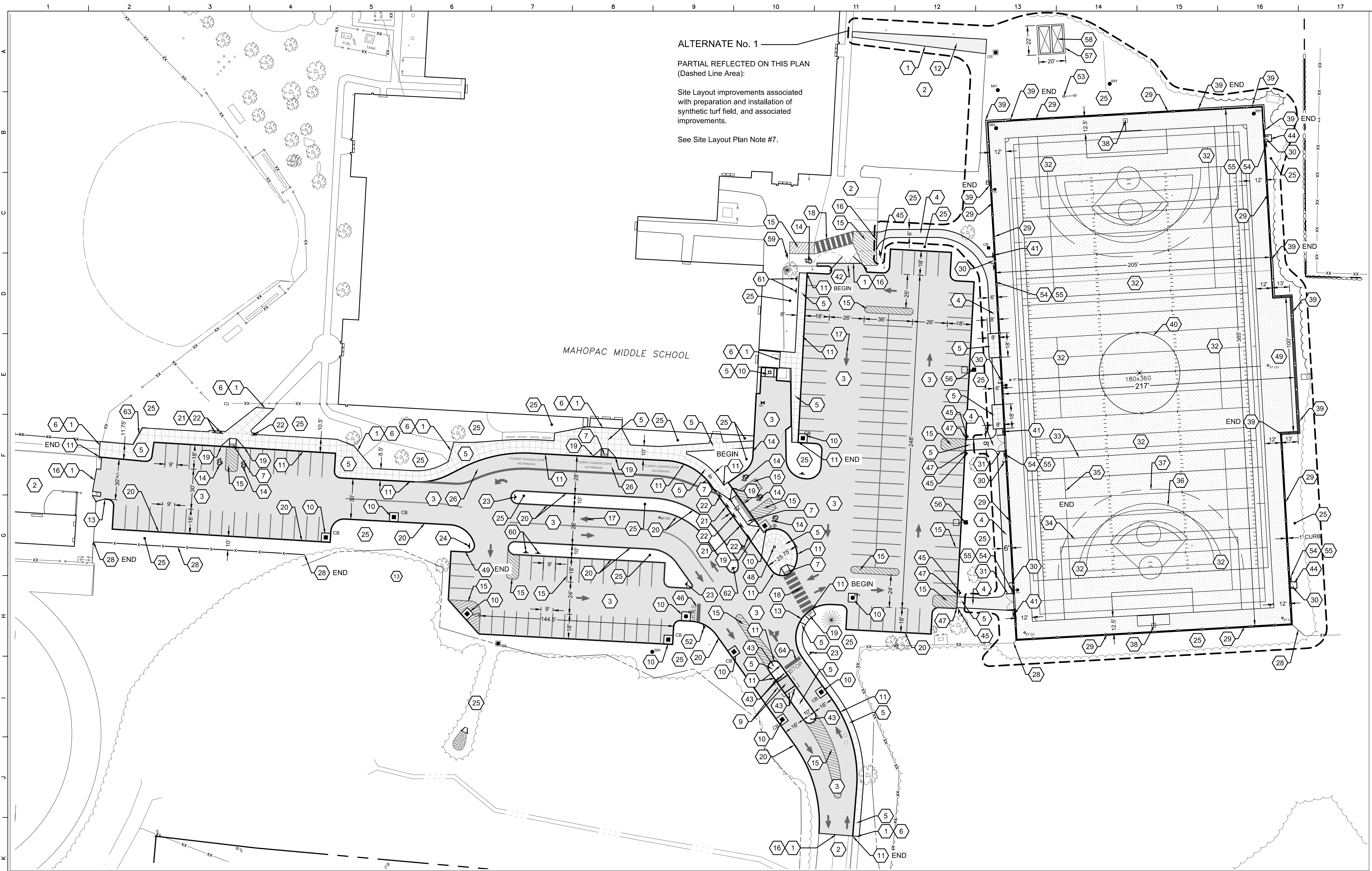
Site Soil Erosion and Sediment Control Plan

1" = 30'



Site Erosion & Sediment Control Sequence

1. INSTALL STABILIZED CONSTRUCTION ENTRANCE PAD.
2. INSTALL TEMPORARY TREE PROTECTION AT EXISTING TREES WITHIN CONSTRUCTION AREA. PRIOR TO COMMENCEMENT OF GRADING OPERATIONS.
3. INSTALL SILT FENCE, SEDIMENT TRAPS AND SEDIMENT BASINS.
4. INSTALL TEMPORARY STORM SEWER INLET PROTECTION AT ALL EXISTING DRAINAGE INLETS THAT WILL BE RECEIVING STORM DRAINAGE FROM CONSTRUCTION ACTIVITIES.
5. PREPARE CONTRACTOR ACCESS DRIVES, PARKING AND STAGING AREAS WITH TYPE 2 FILL OR OTHER SURFACING THAT WILL PREVENT EROSION OF THESE AREAS. STRIP TOPSOIL AND STOCKPILE IN LOCATION SHOWN.
6. SURROUND ALL STOCKPILES WITH SILT FENCE OR HAY BALE BARRIER. THROUGHOUT GRADING OPERATIONS.
7. PROVIDE TEMPORARY AND PERMANENT SEEDING PER SOIL EROSION AND SEDIMENT CONTROL NOTES NOS. 2, 3, & 4.
8. AFTER SLOPES ARE CUT OR FILLED, PROVIDE EROSION CONTROL MATTING AT ALL SLOPES THAT ARE THREE HORIZONTAL TO ONE VERTICAL AND STEEPER.
9. BEFORE COMMENCEMENT OF EXCAVATING FOR FOOTINGS, INSPECT SITE WITH OWNER/ARCHITECT FOR COMPLIANCE WITH SOIL EROSION AND SEDIMENT CONTROL REQUIREMENTS.
10. DURING EXCAVATION FOR FOOTINGS, TRENCHES, ETC., WHEN DEWATERING IS REQUIRED, PROVIDE MEANS TO REMOVE SEDIMENT IN ACCORDANCE WITH SOIL EROSION AND SEDIMENT CONTROL NOTE #13 THIS DRAWING.
11. AS STORM STRUCTURES ARE BEING INSTALLED, PROVIDE TEMPORARY STORM SEWER INLET PROTECTION PER DETAIL AT ALL GRATED STORM SEWER INLETS PRIOR TO CONNECTING BASINS TO NEW STORM PIPING. MAINTAIN EROSION CONTROL DEVICES IN FULLY FUNCTIONAL CONDITION THROUGHOUT CONTRACT PERIOD.
12. PROVIDE ADDITIONAL EROSION CONTROL MEASURES AS REQUIRED TO MEET NEW YORK STANDARDS OR AS REQUIRED BY SOIL CONSERVATION DISTRICT.
13. UPON OWNER APPROVAL, REMOVE TEMPORARY SOIL & EROSION CONTROL MEASURES AFTER PERMANENT MEASURES ARE IN PLACE AND FUNCTIONING EFFECTIVELY.



ALTERNATE No. 1
PARTIAL REFLECTED ON THIS PLAN
(Dashed Line Area):
Site Layout improvements associated
with preparation and installation of
synthetic turf field, and associated
improvements.
See Site Layout Plan Note #7.

General Site Notes

1. REFER TO DRAWING BC100 FOR GENERAL SITE NOTES THAT APPLY TO ALL BC-SERIES DRAWINGS.
2. OBJECTS ARE PARALLEL OR PERPENDICULAR TO EACH OTHER UNLESS OTHERWISE NOTED.
3. PAINTED TRAFFIC MARKINGS AND TRAFFIC SIGNS TO COMPLY WITH THE LATEST EDITION OF THE NYSDOT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND LOCAL REQUIREMENTS.
4. VERIFY DIMENSIONS IN FIELD WITH OWNER'S REPRESENTATIVE ANY DIMENSIONS NOTED AS "V.I.F."
5. AT EDGE OF NEW PAVING MEETING LAWN: ADD TOPSOIL ALONG EDGE OF NEW PAVING AT MAXIMUM 3% SLOPE. CUT NEAT LINE IN EXISTING LAWN AT NEW TOPSOIL LIMIT LINE. REFER TO PROJECT MANUAL SIDEWALK AND ASPHALT PAVEMENT SECTIONS FOR ADDITIONAL REQUIREMENTS.
6. SCORE CONCRETE SIDEWALKS AT 5-FT SQUARE UNLESS OTHERWISE NOTED.
7. ALTERNATE No.1 IS NOT TAKEN, PROVIDE SITE LAYOUT MEASURES FOR BASE BID WORK AND WITHIN TRANSITION ZONE TO ALTERNATE AREA AS NECESSARY TO COMPLETE THE WORK.

Site Layout Legend	
	CONCRETE PAVING
	ASPHALT PAVING - HEAVY DUTY
	ASPHALT PAVING - AUTO DUTY
	CONCRETE CURB
	CONCRETE WALK
	TOPSOIL, LAWN SEEDING & MULCHING
	SYNTHETIC TURF

S.E.D. Control No. 48-01-01-06-7-026-001
S.E.D. Control No. 48-01-01-06-0-003-008
S.E.D. Control No. 48-01-01-06-0-004-020
S.E.D. Control No. 48-01-01-06-0-006-013

Rev. No.: Date: Description:



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Mahopac Central School District
Mahopac, NY

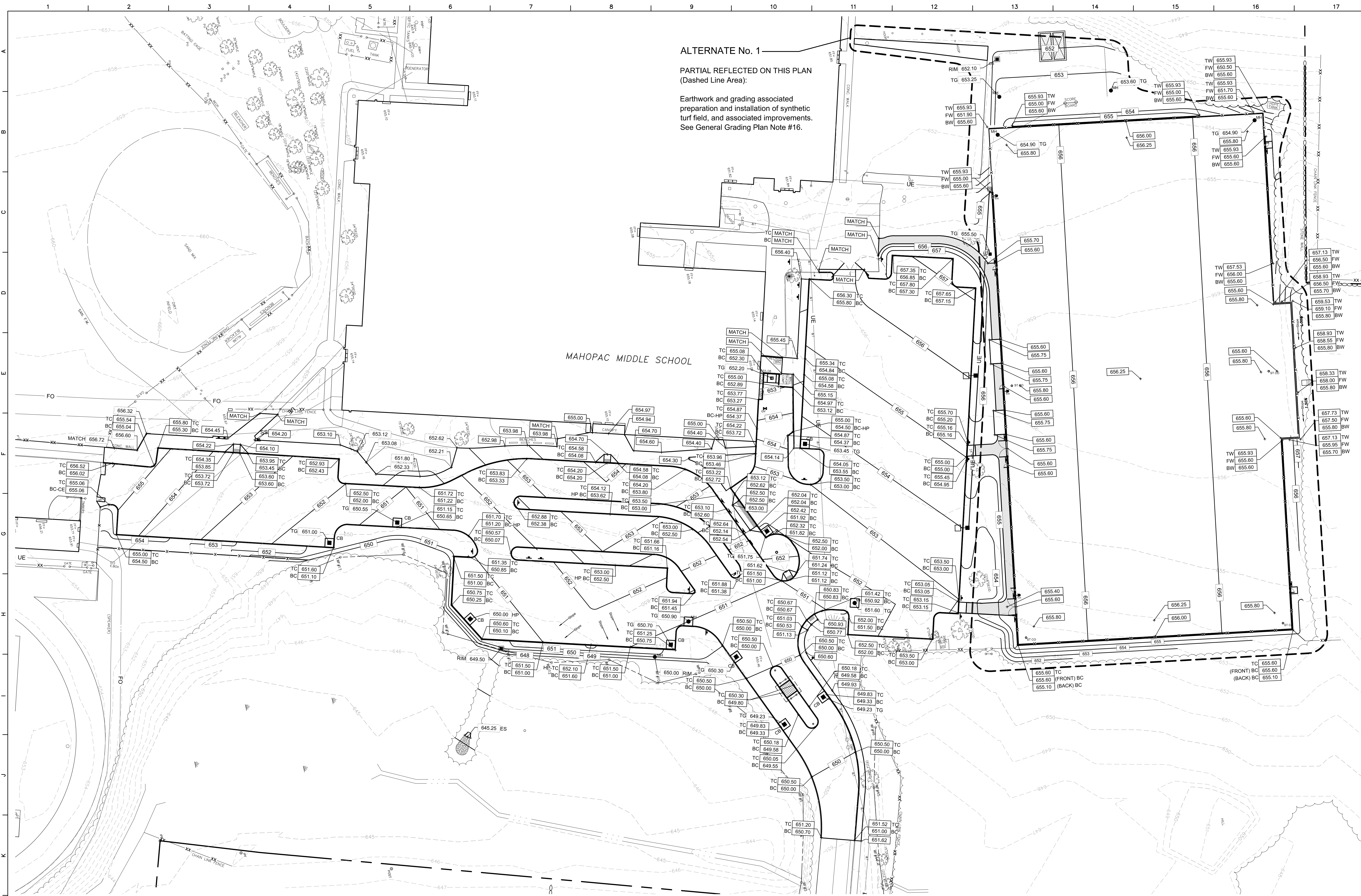
Reconstruction To:
Mahopac Middle School

Site Layout Plan

Drawn by: DGB Date: 08/21/20 Drawing No.:
T+ Project No.: 121111-19002
BC120

Site Layout Keynotes

- 1 SMOOTH TRANSITION FROM PROPOSED SURFACE TO ADJACENT EXISTING SURFACE, TYPICAL.
- 2 EXISTING ASPHALT PAVEMENT, PROTECT.
- 3 HEAVY DUTY ASPHALT PAVING, SEE DETAIL 2 / ZC500.
- 4 AUTO DUTY ASPHALT PAVING, SEE DETAIL 1 / ZC500.
- 5 CONCRETE SIDEWALK, SEE DETAILS 4 AND 10 / ZC500.
- 6 NEW CONCRETE SIDEWALK AT EXISTING CONCRETE SIDEWALK, SEE DETAIL 19 / ZC500.
- 7 ACCESSIBLE RAMP WITH DETECTABLE WARNING SURFACE AND DROP CURB, SEE DETAIL 18, 21 AND 22 / ZC500.
- 8 EXPANSION JOINT AT EXISTING SLAB, SEE DETAIL 20 / ZC500.
- 9 RELOCATE GUARD SHACK, WITH CONCRETE GRADE BEAMS AND RIGID INSULATION, TO LOCATION SHOWN, SEE DETAIL 8 / ZC502.
- 10 CONCRETE APRON AROUND EXISTING / NEW STORM INLET IN ASPHALT PAVEMENT, TYPICAL, SEE DETAIL 5 / ZC502.
- 11 INTEGRAL CONCRETE CURB AT SIDEWALK, SEE DETAILS 9 AND 10 / ZC500.
- 12 ASPHALT PAVING PATCH IN KIND OR PER AUTO DUTY PAVING SECTION, WHICHEVER IS MORE STRINGENT, SEE DETAILS 1, 2 AND 17 / ZC500.
- 13 6-INCH TALL CURB TRANSITION TO GRADE, SEE DETAIL 14 / ZC500.
- 14 ACCESSIBLE SYMBOLS WHERE INDICATED AND PARKING STALL STRIPING, SEE DETAIL 1 / ZC503.
- 15 TRAFFIC STRIPING AND PARKING STALL STRIPING AS INDICATED, SEE DETAIL 1 / ZC503.
- 16 NEW ASPHALT PAVING AT EXISTING ASPHALT, TYPICAL, SEE DETAIL 3 / ZC500.
- 17 TRAFFIC ARROWS - PAINTED, SEE DETAIL 9 / ZC503.
- 18 CROSSWALK - PAINTED, SEE DETAIL 13 / ZC503.
- 19 DROP CURB AT WALK END, SEE DETAIL 22 / ZC500.
- 20 CONCRETE CURB AT LAWN, SEE DETAIL 14 / ZC503.
- 21 "NO PARKING" SIGN, TYPE "D", AND POST IN PAVEMENT, SEE DETAILS 10 AND 11 / ZC503. IF SIGN POST IS INSTALLED OFFSET FROM CENTER OF SPACE OR AISLE, PROVIDE DIRECTIONAL ARROW AS PART OF SIGNAGE INDICATING LOCATION.
- 22 "ACCESSIBLE PARKING" SIGN, TYPE "E", AND POST IN PAVEMENT, SEE DETAILS 10 AND 11 / ZC503. IF SIGN POST IS INSTALLED OFFSET FROM CENTER OF SPACE OR AISLE, PROVIDE DIRECTIONAL ARROW AS PART OF SIGNAGE INDICATING LOCATION.
- 23 "DO NOT ENTER" SIGN, TYPE "T", AND POST IN LAWN, SEE DETAIL 10 AND 11 / ZC503.
- 24 "ONE WAY" DIRECTIONAL SIGN, TYPE "F", LEFT, AND POST IN LAWN, SEE DETAIL 10 AND 11 / ZC503.
- 25 SEEDING AREA - PROVIDE 6-INCHES OF AMENDED TOPSOIL, FINE STRIPING, SEE DETAIL 1 / ZC503.
- 26 PAINTED "STUDENT LOADING ZONE - NO PARKING" AND LINE STRIPING IN YELLOW, SEE DETAIL 2 / ZC503.
- 27 SYNTHETIC TURF FIELD RULES SIGN MOUNTED ON OUTSIDE OF CHAIN LINK FENCE IN LOCATION SHOWN, SEE DETAIL 14 / ZC501.
- 28 6-FT TALL BLACK VINYL CLAD CHAIN LINK FENCE AT PERIMETER OF SYNTHETIC TURF FIELD, SEE DETAIL 7 / ZC503.
- 29 8-FT TALL BLACK VINYL CLAD CHAIN LINK FENCE, 3-FT WIDE SINGLE GATE, SEE DETAIL 6 / ZC503.
- 30 8-FT TALL BLACK VINYL CLAD CHAIN LINK FENCE, 12-FT WIDE DOUBLE GATE, SEE DETAIL 12 / ZC503.
- 31 8-FT TALL BLACK VINYL CLAD CHAIN LINK FENCE, 12-FT WIDE DOUBLE GATE, SEE DETAIL 12 / ZC503.
- 32 SYNTHETIC TURF MULTI-USE FIELD WITH LINE STRIPING FOR SOCCER, FOOTBALL, BOYS LACROSSE, GIRLS LACROSSE AND FIELD HOCKEY, SEE DETAILS 9, 13, 17, 19, 20 / ZC501 AND PROJECT MANUAL SECTION 32 18 13 - SYNTHETIC TURF.
- 33 FOOTBALL FIELD LINE STRIPING AT SYNTHETIC TURF FIELD, SEE DETAIL 13 / ZC501.
- 34 180-FT BY 360-FT SOCCER FIELD LINE STRIPING AT SYNTHETIC TURF FIELD, SEE DETAIL 9 / ZC501.
- 35 168-FT BY 330-FT BOYS LACROSSE FIELD LINE STRIPING AT SYNTHETIC TURF FIELD, SEE DETAIL 17 / ZC501.
- 36 168-FT BY 350-FT GIRLS LACROSSE FIELD LINE STRIPING AT SYNTHETIC TURF FIELD, SEE DETAIL 19 / ZC501.
- 37 175-FT BY 300-FT FIELD HOCKEY LINE STRIPING AT SYNTHETIC TURF FIELD, SEE DETAIL 20 / ZC501.
- 38 FOOTBALL GOAL POST FOUNDATION AND GROUND SLEEVE, SEE SIMILAR DETAILS 15 AND 18 / ZC501. SEE COMBINATION FOOTBALL / SOCCER GOAL POST AND CLAMP, PROJECT MANUAL SECTION 11 68 33 - ATHLETIC EQUIPMENT. VERIFY THAT GOAL POST SLEEVE IS PLUMB IN ALL DIRECTIONS. GOAL POST NOT PART OF SCOPE.
- 39 SEGMENTAL RETAINING WALL WITH INTEGRAL 8-FT FENCE, SEE DETAILS 5 AND 8 / ZC503, AND PROJECT MANUAL SECTION 32 32 23 - SEGMENTAL RETAINING WALL.
- 40 SYNTHETIC TURF CENTER LOGO AT 50-YARD LINE, SEE PROJECT MANUAL SECTION 32 18 13 - SYNTHETIC TURF SYSTEMS, SEE DETAIL 8 / ZC501.
- 41 FIELD ENTRANCE WAYFINDING SIGN MOUNTED ON OUTSIDE OF CHAIN LINK FENCE IN LOCATION SHOWN, SEE DETAIL 14 / ZC501.
- 42 24-WIDE VEHICLE TUBULAR STEEL BARRIER DOUBLE GATE, LOCK MECHANISM AND GATE KEEPER POSTS, SEE DETAIL 10 / ZC504.
- 43 6-IN DIAMETER STEEL BOLLARD WITH YELLOW BOLLARD COVER, TYPICAL, SEE DETAIL 3 / ZC503.
- 44 4"x4" PAD AT GATE AREA, SET FLUSH WITH GRADE, SEE DETAILS 4 AND 10 / ZC500.
- 45 "NO PARKING" SIGN, TYPE "D", AND POST IN LAWN, SEE DETAILS 11 / ZC503.
- 46 PAINTED STOP BAR AND TEXT, SEE DETAIL 16 / ZC503.
- 47 PROVIDE FLUSH CURB AT SIDEWALK OPENING, TAPER LAST 3-FT OF CURB AT EACH END, SEE DETAIL 14 / ZC500.
- 48 REINSTALL EXISTING FLAG POLE, TEMPORARILY REMOVED AND STORED, SEE DETAIL 19 / ZC503.
- 49 "ONE WAY" DIRECTIONAL SIGN, TYPE "F", RIGHT, AND POST IN LAWN, SEE DETAIL 10 AND 11 / ZC503.
- 50 "NO PARKING" SIGN, TYPE "D", AND POST IN LAWN, SEE DETAIL 15 / ZC503. IF SIGN POST IS INSTALLED OFFSET FROM CENTER OF SPACE OR AISLE, PROVIDE DIRECTIONAL ARROW AS PART OF SIGNAGE INDICATING LOCATION.
- 51 "STOP" BAR WITH TEXT - PAINTED, SEE DETAIL 16 / ZC503.
- 52 "STOP" SIGN, TYPE "A", AND POST IN LAWN, SEE DETAIL 11 / ZC503.
- 53 EXISTING SCORE BOARD, PROTECT.
- 54 SYNTHETIC TURF FIELD RULES SIGN MOUNTED ON OUTSIDE OF CHAIN LINK FENCE IN LOCATION SHOWN, SEE DETAIL 14 / ZC501.
- 55 FIELD WARNING SIGN MOUNTED ON OUTSIDE OF CHAIN LINK FENCE IN LOCATION ABOVE SYNTHETIC TURF FIELD RULES SIGN, SEE DETAIL 14 / ZC501.
- 56 NEW SITE LIGHTING, SEE ELECTRICAL PLANS.
- 57 AGGREGATE PAVING, VERIFY LOCATION WITH OWNER, SEE DETAIL 6 / ZC500.
- 58 RELOCATE STORAGE CONTAINERS TEMPORARILY MOVED DURING CONSTRUCTION, VERIFY FINAL LAYOUT WITH OWNER, TYPICAL.
- 59 "ACCESSIBLE PARKING" SIGN, TYPE "E", AND "NO PARKING" SIGN, TYPE "D", AND COMMON POST IN PAVEMENT, SEE SIMILAR DETAILS 10 AND 11 / ZC503. TYPE "E" SIGNAGE TO BE MOUNTED ABOVE TYPE "D" SIGNAGE. FOR TYPE "D" SIGNAGE, PROVIDE DIRECTIONAL ARROW AS PART OF SIGNAGE INDICATING LOCATION.
- 60 REINSTALL SALVAGED AND STORED "PARKING FOR PRINCIPALS ONLY" SIGN ON POST IN LAWN, SEE SIMILAR DETAILS 11 AND 15 / ZC503.
- 61 REINSTALL SALVAGED AND STORED "PARKING FOR PRINCIPALS ONLY" SIGN ON POST IN PAVEMENT, SEE SIMILAR DETAILS 10 AND 11 / ZC503.
- 62 PROVIDE "DIRECTIONAL" SIGN, SIMILAR TO TYPE "K", AND POST IN LAWN, TEXT / DIRECTIONAL ARROWS TO READ AS FOLLOWS: "BUSES ONLY - STUDENT LOADING ZONE" --- LINES 1 & 2; "PARKING / EXIT" --- LINES 3 & 4; SEE SIMILAR DETAILS 11 AND 15 / ZC503.
- 63 FOR NEW CONCRETE AT EXISTING RETAINING WALL, PROVIDE EXPANSION JOINT WITH SLIP-DOWELING 12" O.C., PER DETAIL 20 / ZC500.



ALTERNATE No. 1

PARTIAL REFLECTED ON THIS PLAN
(Dashed Line Area):

Earthwork and grading associated
preparation and installation of synthetic
turf field, and associated improvements.
See General Grading Plan Note #16.

General Site Notes

1. REFER TO DRAWING BC100 FOR GENERAL SITE NOTES THAT APPLY TO ALL BC-SERIES DRAWINGS.

General Grading Plan Notes

- ALL FILL MATERIALS, INCLUDING ON-SITE MATERIALS, ARE TO BE SUBMITTED FOR ARCHITECT APPROVAL BEFORE PLACEMENT. REFER TO EARTH MOVING SPECIFICATION FOR REQUIREMENTS.
- ALL CUT OR FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED.
- EXCESS MATERIAL CUT FROM THE SITE, WITH THE EXCEPTION OF TOPSOIL, SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF PER THE PROJECT MANUAL.
- OWNER'S GEOTECHNICAL ENGINEER TO BE PRESENT FOR ALL FILL AND COMPACTION OPERATIONS, INCLUDING TRENCHES AND STORMWATER STRUCTURES. REFER TO EARTH MOVING SPECIFICATION FOR GEOTECHNICAL TESTING REQUIREMENTS.
- CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS AND STRUCTURES FOR NATURAL AND PAVED AREAS.
- SPREAD TOPSOIL TO A MINIMUM DEPTH OF 6-INCHES CONTINUOUS SETTLED DEPTH OVER AREAS OF THE SITE WHERE EARTH HAS BEEN DISTURBED, EXCEPT WHERE BUILDING OR PAVING IS PROPOSED.
- DISTURBED AREAS THAT ARE NOT RECEIVING PAVEMENT SHALL BE FINE GRADED, SEEDED OR SODDED, FERTILIZED AND MULCHED AS PER THE PROJECT MANUAL.
- AFTER FINE GRADING IS COMPLETED, INFORM THE OWNER AND A/E SO THAT AN INSPECTION OF THE FINE GRADING CAN TAKE PLACE BEFORE SEEDING IS BEGUN. IF INSPECTION DOES NOT TAKE PLACE, APPROVAL OF LAWN MAY BE DELAYED OR DENIED.
- PROVIDE GRADE ADJUSTING RINGS OR SHIMS AT DROP-INLETS, CATCH BASINS AND MANHOLES IN AREAS SCHEDULED FOR REPAVING OR REGRADING TO BRING RIMS UP TO LEVEL OF NEW FINISHED GRADE.
- EXISTING AND PROPOSED GRADE CONTOUR INTERVALS SHOWN AT 1-FOOT INTERVALS.
- ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING LIDS.
- IF APPLICABLE, THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE GENERAL NEW YORK STATE S.P.D.E.S. PERMIT AND PROJECT S.W.P.P.P. FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
- CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
- CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.
- SPOT ELEVATIONS AT MODULAR RETAINING WALLS MAY INDICATE RELATIVE ELEVATIONS. IN LOCATIONS WHERE TOP OF WALL ELEVATIONS ARE NOT INDICATED AS LEVEL, DELEGATED DESIGN SHALL ASSUME WALL WILL BE STEPPED, ALONG WITH INTEGRAL CHAIN LINK FENCE WHERE APPLICABLE.
- IF ALTERNATE No. 1 IS NOT ACCEPTED, PROVIDE REQUIRED EARTHWORK AND GRADING TO INSTALL BASE BID WORK AS DESIGNED AND REFLECTED IN THE PLAN ELEVATIONS. TAPER GRADE BACK TO EXISTING GRADES WITHIN THE ALTERNATE AREA AT A MAXIMUM 5:1 SLOPE.

ADA Site Notes

- THE MAXIMUM SLOPE OF ACCESSIBLE PARKING STALLS AND ASSOCIATED ACCESS AISLE SHALL BE 2% (1V:50H).
- THE MAXIMUM SLOPE IN THE DIRECTION OF TRAVEL ON ACCESSIBLE PATHS SHALL BE 5% (1V:20H).
- THE MAXIMUM CROSS SLOPE ON ACCESSIBLE PATHS SHALL BE 2% (1V:50H).
- THE MAXIMUM SLOPE IN THE DIRECTION OF TRAVEL ON ACCESSIBLE RAMPS AND CURB RAMPS SHALL BE 8.33% (1V:12H), AS INDICATED ON THE DETAILS.
- GROUND SURFACES ON ACCESSIBLE PATHS SHALL BE STABLE, FIRM, AND SLIP RESISTANT.

S.E.D. Control No. 48-01-01-06-7-026-001
S.E.D. Control No. 48-01-01-06-0-003-008
S.E.D. Control No. 48-01-01-06-0-004-020
S.E.D. Control No. 48-01-01-06-0-006-013

Rev. No.: Date: Description:



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Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac Middle School

Site Grading Plan

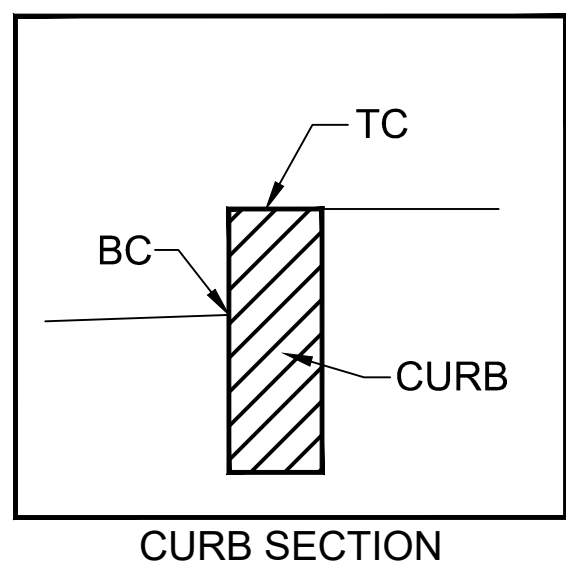
Drawn by:
DFL

Date:
08/21/20

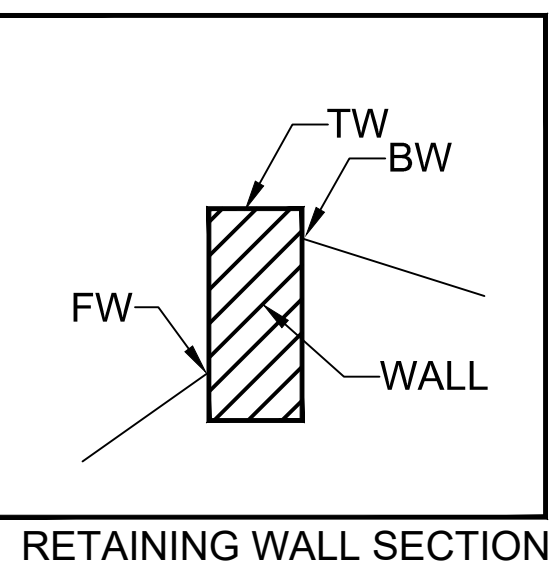
Drawing No.:
BC130

Site Grading Plan
1" = 30'

0 15 30 60
SCALE: 1" = 30'

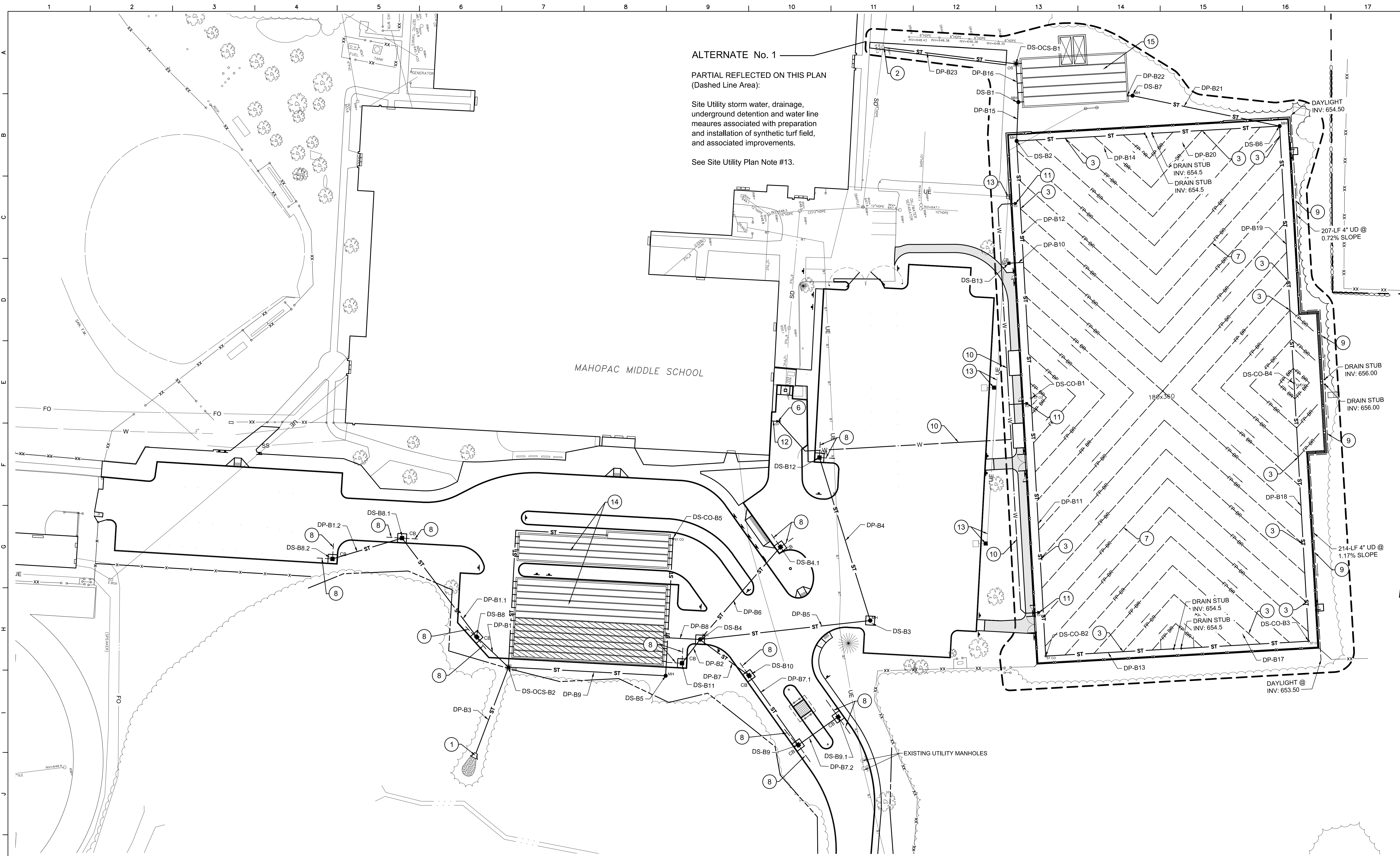


CURB SECTION



RETAINING WALL SECTION

GRADING KEY	
TC	TOP OF CURB
BC	BOTTOM OF CURB
TW	TOP OF WALL
BW	BOTTOM / BACK OF WALL
FW	FACE OF WALL
+	SPOT ELEVATION
HP	HIGH POINT
MATCH	MATCH EXISTING GRADE



General Site Notes

1. REFER TO DRAWING BC100 FOR GENERAL SITE NOTES THAT APPLY TO ALL BC-SERIES DRAWINGS.

General Utility Plan Notes

- CONTRACTOR IS RESPONSIBLE FOR REPAIRS OR DAMAGE TO ANY EXISTING UTILITY DURING CONSTRUCTION AT NO COST TO THE OWNER.
- SEE PROJECT MANUAL FOR BACKFILLING AND COMPACTION REQUIREMENTS FOR UTILITY TRENCHES.
- FILL MATERIAL IS TO BE IN PLACE AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
- ALL WATER AND OTHER UTILITIES SHOULD BE KEPT TEN-FEET (10-FT) APART (PARALLEL) OR WITH 18 INCH CLEARANCE WHEN CROSSING VERTICALLY (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE).
- LINE UNDERGROUND SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.
- TOPS OF EXISTING MANHOLES, DRAINAGE INLETS, HYDRANTS AND WATER LINE VALVE BOXES SHALL BE RAISED AS NECESSARY TO BE FLUSH WITH PROPOSED PAVEMENT ELEVATIONS.
- DRAWINGS DO NOT PURPORT TO SHOW ALL EXISTING UTILITIES.
- EXISTING UTILITIES SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION OF ANY NEW LINES.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND/OR MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. CONTRACTOR TO REFER TO PROJECT MANUAL REGARDING COORDINATION WITH UTILITY COMPANIES BEFORE ANY EXCAVATION REGARDING FIELD LOCATION OF UTILITIES.
- THE CONTRACTOR SHALL CONDUCT REQUIRED TESTS TO THE SATISFACTION OF THE RESPECTIVE UTILITY COMPANIES AND THE OWNER'S INSPECTING AUTHORITIES.
- CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING, AND OTHER MEANS OF PROTECTION. THIS TO INCLUDE BUT IS NOT LIMITED TO ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. CONTRACTOR IS RESPONSIBLE TO COMPLY WITH PERFORMANCE CRITERIA FOR OSHA.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEWATERING, PUMPING AND TREATMENT OF WATER. NO WATER FROM ANY CONSTRUCTION WORK, PROCESS OR AREA SHALL BE RELEASED DOWN STREAM OR INTO STORM SYSTEMS WITH OUT FIRST BEING TREATED TO REMOVE SEDIMENT, OILS, OR OTHER POLLUTANTS.
- IF ALTERNATE No. 1 IS NOT TAKEN, PROVIDE PER SITE UTILITY AND DRAINAGE KEYNOTE TO PORTION OF 1 1/2" SDR-21 PVC WATER LINE FROM BUILDING, ACROSS PARKING LOT AND TO ALTERNATE LIMITS SHOWN. CAP LINE FOR FUTURE EXTENSION AND PROVIDE LOCATION MARKER AT TERMINATION. PROVIDE AS-BUILT DIMENSION TIES TO OWNER.

S.E.D. Control No. 48-01-01-06-7-026-001
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S.E.D. Control No. 48-01-01-06-0-004-020
S.E.D. Control No. 48-01-01-06-0-006-013

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Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac Middle School

Site Utility Plan

Drawn by: JRS Date: 08/2/20 Drawing No.:

T+ Project No.: 121111-19002

BC140

ALTERNATE No. 1

PARTIAL REFLECTED ON THIS PLAN
(Dashed Line Area):

Site Utility storm water, drainage,
underground detention and water line
measures associated with preparation
and installation of synthetic turf field,
and associated improvements.

See Site Utility Plan Note #13.

Storm Drainage Piping Schedule					
ID	LENGTH	SIZE/MATERIAL	SLOPE	Description	
DP-B1	31	LF OF 12" HDPE PIPE	1.00%	Storm Line*	
DP-B1.1	89	LF OF 12" HDPE PIPE	1.00%	Storm Line*	
DP-B1.2	54	LF OF 12" HDPE PIPE	1.85%	Storm Line*	
DP-B2	22	LF OF 12" HDPE PIPE	1.00%	Storm Line*	
DP-B3	69	LF OF 18" HDPE PIPE	0.40%	Storm Line*	
DP-B4	124	LF OF 12" HDPE PIPE	0.97%	Storm Line*	
DP-B5	122	LF OF 12" HDPE PIPE	1.60%	Storm Line*	
DP-B6	86	LF OF 12" HDPE PIPE	1.45%	Storm Line*	
DP-B7	43	LF OF 15" HDPE PIPE	0.50%	Storm Line*	
DP-B7.1	60	LF OF 12" HDPE PIPE	0.50%	Storm Line*	
DP-B7.2	34	LF OF 12" HDPE PIPE	0.50%	Storm Line*	
DP-B8	24	LF OF 18" HDPE PIPE	0.50%	Storm Line*	
DP-B9	114	LF OF 18" HDPE PIPE	0.50%	Storm Line*	
DP-B10	10	LF OF 12" HDPE PIPE	0.50%	Storm Line*	
DP-B11	187	LF OF 12" HDPE PIPE	0.50%	Storm Line*	
DP-B12	187	LF OF 12" HDPE PIPE	0.50%	Storm Line*	
DP-B13	95	LF OF 12" HDPE PIPE	1.70%	Storm Line*	
DP-B14	95	LF OF 12" HDPE PIPE	2.50%	Storm Line*	
DP-B15	33	LF OF 12" HDPE PIPE	10.00%	Storm Line*	
DP-B16	26	LF OF 12" HDPE PIPE	1.00%	Storm Line*	
DP-B17	95	LF OF 12" HDPE PIPE	1.70%	Storm Line*	
DP-B18	187	LF OF 12" HDPE PIPE	0.50%	Storm Line*	
DP-B19	187	LF OF 12" HDPE PIPE	0.50%	Storm Line*	
DP-B20	94	LF OF 12" HDPE PIPE	1.70%	Storm Line*	
DP-B21	109	LF OF 12" HDPE PIPE	1.00%	Storm Line*	
DP-B22	3	LF OF 12" HDPE PIPE	1.00%	Storm Line*	
DP-B23	97	LF OF 12" HDPE PIPE	1.00%	Storm Line*	

* See Pipe Trench Detail 8 / ZC504 for Bedding Requirements.

Site Utility Plan

1" = 30'

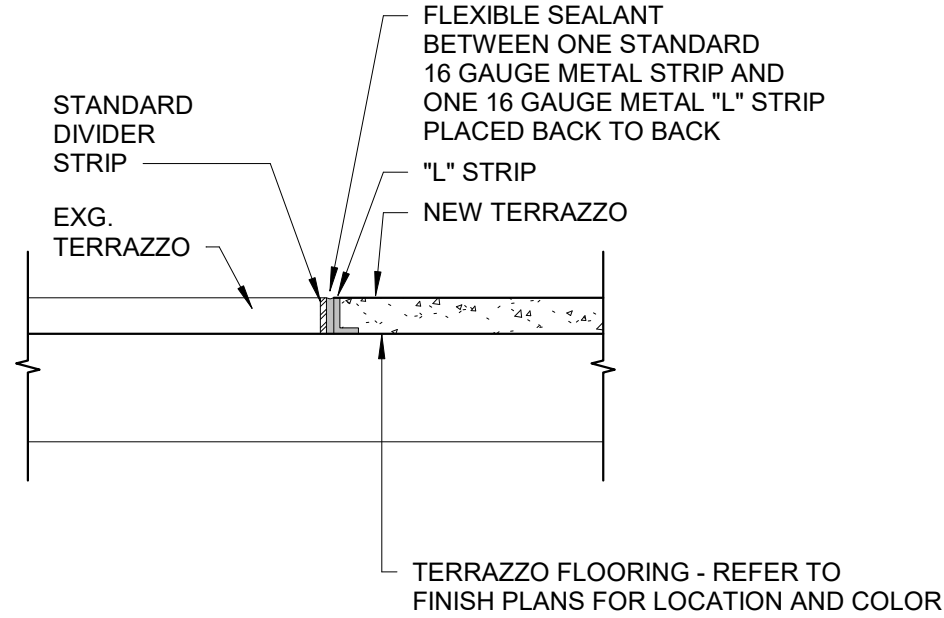
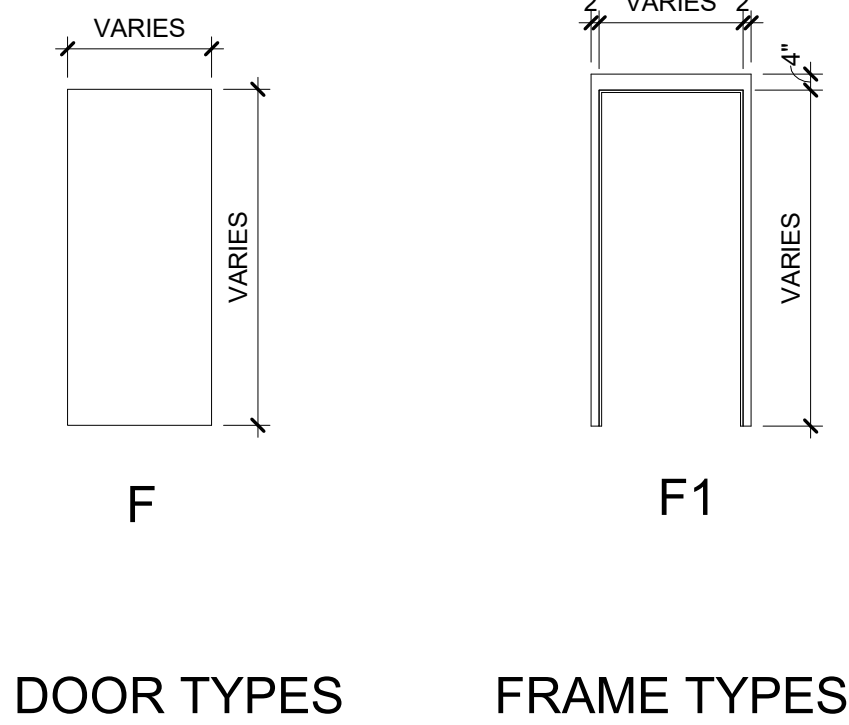


Site Utility and Drainage Keynotes

- PROVIDE 18-INCH GALVANIZED METAL END SECTION AND RIP-RAP APRON. SEE DETAIL 10 / ZC502. INVERT: 645.35.
- CONNECT STORM PIPING DP-B23 TO EXISTING STORM STRUCTURE AT ESTIMATED INVERT 643.70. VERIFY LOCATION AND DEPTH OF EXISTING STRUCTURE PRIOR TO CONSTRUCTION.
- PROVIDE HARD CONNECTIONS FROM SYNTHETIC TURF FLAT PANEL COMPOSITE DRAIN TO 12-INCH PERFORATED HDPE STORM PIPING MANIFOLD. TYPICAL. SEE STORM DRAINAGE PIPING SCHEDULE AND DETAIL 14 / ZC502.
- HEADWALL AND RIP-RAP LINED OUTFALL CHANNEL WITH FILTER FABRIC. SEE DETAIL 10 / ZC502.
- PRECAST CONCRETE OUTLET CONTROL STRUCTURE. SEE DETAIL 11 / ZC502.
- GATE VALVE. SEE DETAIL 3 / ZC504.
- SYNTHETIC TURF FLAT PANEL STORM PIPING. SEE DETAILS 1 / ZC501 AND 14 / ZC502.
- 4-IN PERF HDPE UNDER DRAIN IN PAVEMENT. TYPICAL. SEE DETAIL 2 / BC502.
- 4-IN PERF HDPE UNDER DRAIN IN LAWN. TYPICAL. SEE DETAIL 4 / BC502.
- 1 1/2" SDR-21 PVC WATER LINE. SEE DETAIL 8 / ZC504.
- YARD HYDRANT. SEE DETAIL 4 / ZC504.
- CONNECT TO 1 1/2" IN WATER LINE FROM BUILDING. SEE PLUMBING PLANS.
- FOR SITE LIGHTING AND ELECTRICAL WORK. SEE ELECTRICAL SITE PLANS AND SPECIFICATIONS.
- STORM CHAMBER UNDERGROUND DETENTION SYSTEM. SEE DETAIL 1 / ZC505.
- STORM CHAMBER UNDERGROUND DETENTION SYSTEM. SEE DETAIL 2 / ZC505.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

Door Schedule																		
ROOM NUMBER	DOOR NUMBER	DOOR					FRAME											
TYPE	MATERIAL	WIDTH	HEIGHT	RATING	GLAZING		TYPE	MATERIAL	WIDTH	HEIGHT	RATING	GLAZING	HEAD	JAMB	SILL	HDW SET	REMARKS	
1ST FLOOR																		
P-1	1	F	WD	3'-0"	7'-0"	20 MIN	-	F1	HM	3'-4"	7'-4"	20 MIN	-	H-2	J-2	15		



4 New to Existing Terrazzo
3" = 1'-0"

1. FOR 4" THICK WALLS

MASONRY OPENING UP TO 6'-4"	LINTEL ANGLE MT 6X5.9
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2. FOR 6" THICK WALLS

MASONRY OPENING (≤)	LINTEL ANGLE
5'-0"	2- L2 1/2X2 1/2X5/16
6'-0"	2- L3X2 1/2X5/16 LLV
7'-0"	2- L3 1/2X2 1/2X5/16 LLV
8'-0"	2- L3 1/2X2 1/2X5/16 LLV

3. FOR 8", 12", AND 16" THICK WALLS:
FOR EACH 4" THICKNESS OF WALL

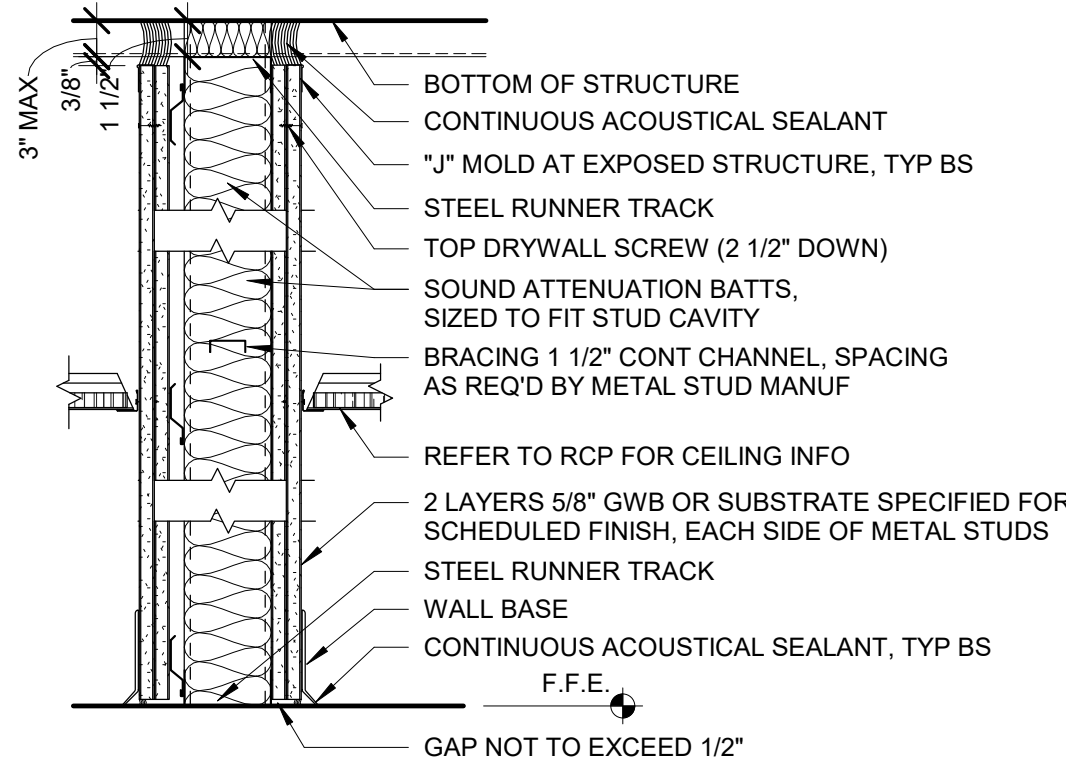
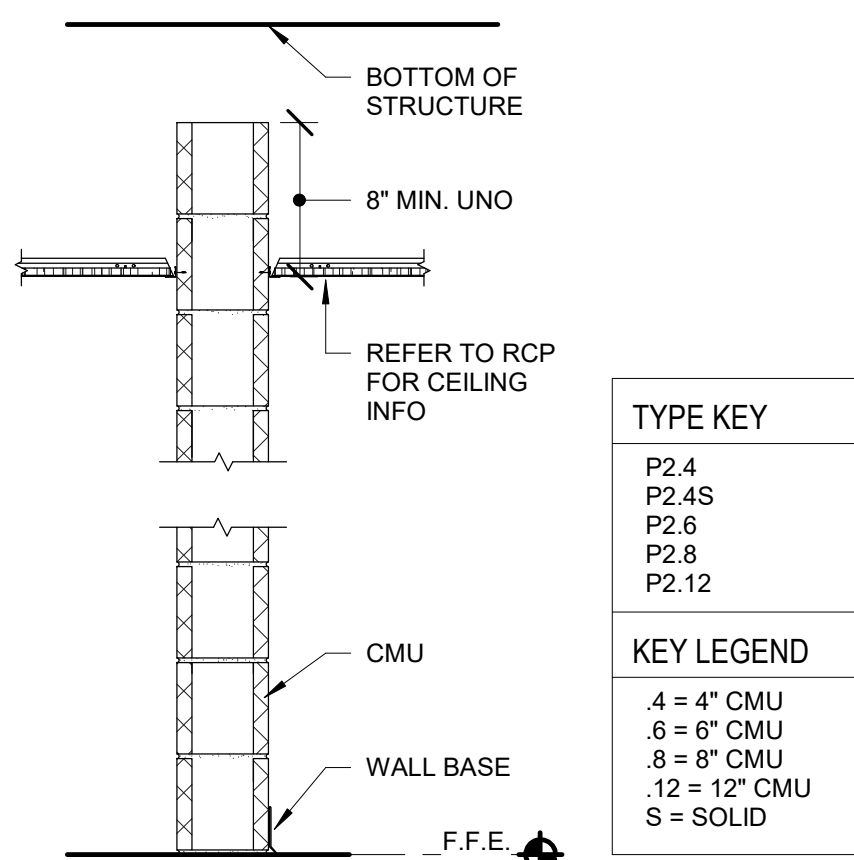
MASONRY OPENING (≤)	LINTEL ANGLE
5'-0"	L3 1/2X3 1/2X5/16
6'-0"	L4X3 1/2X5/16 LLV
7'-0"	L5X3 1/2X5/16 LLV
8'-0"	L5X3 1/2X5/16 LLV
9'-0"	L6X3 1/2X5/16 LLV
10'-0"	L6X3 1/2X5/16 LLV

LINTEL NOTES

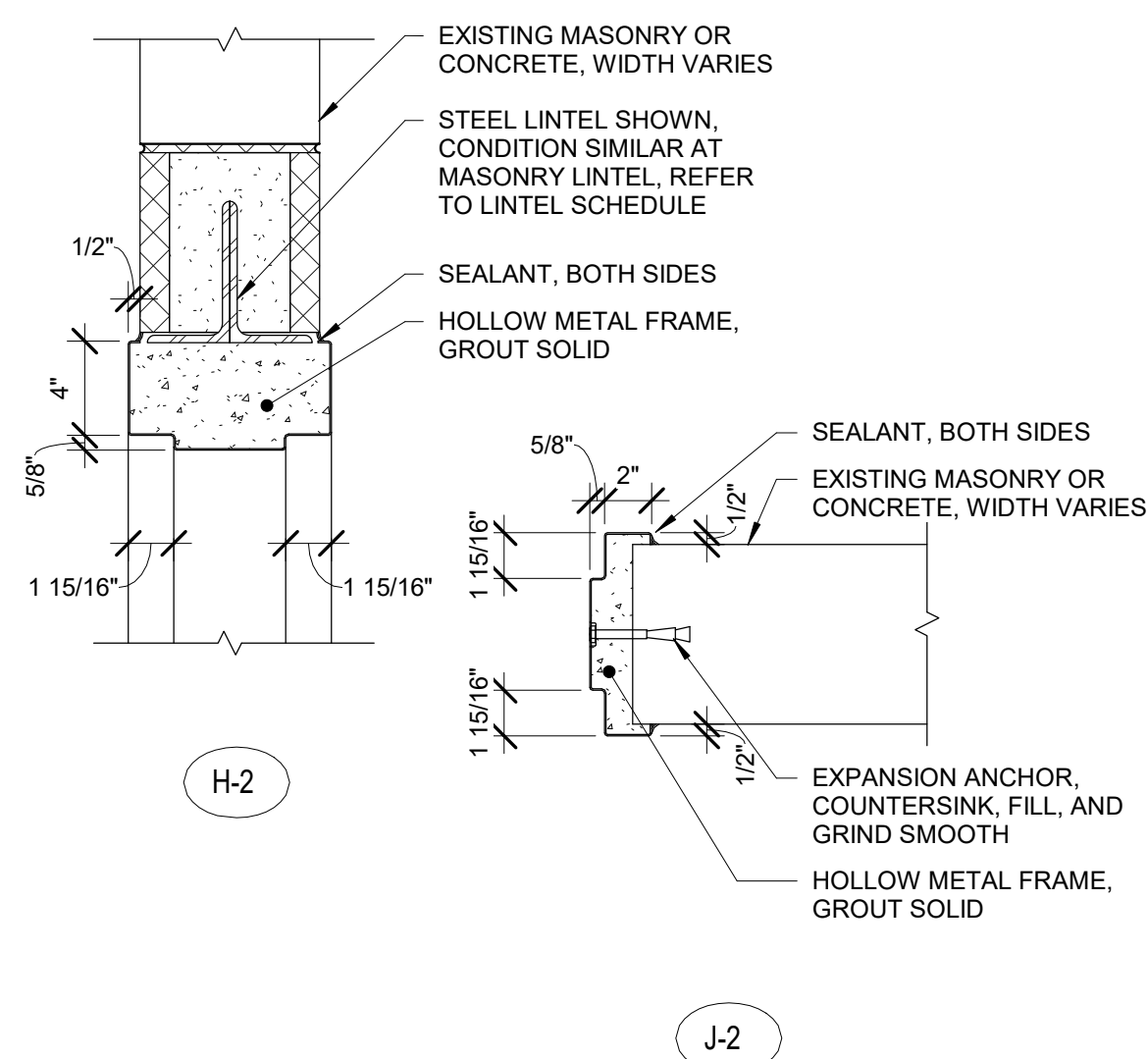
- ALL OPENINGS 1'-0" AND OVER REQUIRE LINTELS.
- STEEL TO BE A50.
- THIS SCHEDULE IS TYPICAL FOR ALL MASONRY OPENINGS IN NON-LOAD BEARING WALLS UNLESS OTHERWISE NOTED.
- ALL LINTELS TO HAVE MINIMUM 8" BEARING BOTH ENDS.
- BACK TO BACK ANGLES ARE TO BE STITCH WELDED TOGETHER BEFORE PLACEMENT.
- ALL LINTELS ARE TO HAVE BOTH ENDS BEAR ON SOLID MASONRY OR SOLIDLY GROUTED HOLLOW MASONRY.
- WHERE MINIMUM 8" BEARING LENGTH CANNOT BE PROVIDED DUE TO COLUMN INTERFERENCE, PROVIDE CONNECTION OF LINTEL TO COLUMN.
- THIS LINTEL SCHEDULE IS APPLICABLE FOR USE IN EXISTING BUILDING. SHORE EXISTING STRUCTURE AND WALL AS REQD FOR INSTALLATION OF NEW MAS AND LINTEL. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF OPENINGS.

8 Lintel Schedule
12" = 1'-0"

5 Partition Type P2
3/4" = 1'-0"



6 Metal Stud Partition Type P15
1 1/2" = 1'-0"



7 08 11 13_Hollow Metal Frame Details
1 1/2" = 1'-0"

Demolition Key Notes

- 1A REMOVE INTERIOR PARTITION FULL-HEIGHT. PORTION AS
INDICATED OR AS REQUIRED TO PERFORM SCHEDULED
WORK. [EXISTING STRUCTURE TO REMAIN.]
- 8A REMOVE DOOR AND FRAME COMPLETELY. PATCH EXPOSED
SURFACES TO MATCH ADJACENT FINISHES / SURFACES.
- 9A REMOVE CEILING SYSTEM AND/OR SOFFIT SYSTEM IN ITS
ENTIRETY.
- 9B REMOVE PORTION OF CEILING SYSTEM AND/OR SOFFIT
SYSTEM, TO EXTENT REQUIRED TO PERFORM NEW WORK.
CAREFULLY TRIM CEILING GRID TO REMAIN.
- 9C REMOVE FLOOR FINISH, MASTIC AND WALL BASE TO EXTENT
REQUIRED TO PERFORM SCHEDULED WORK. AT ALL AREAS
OF FLOOR REMOVAL, LEVEL SLAB WITH ADJACENT SLABS AT
LOCATIONS SCHEDULED TO RECEIVE FLOOR FINISH. INCLUDE
CONCRETE FLOOR PATCHING AND LEVELING MATERIALS TO
MAKE SURFACE LEVEL. PREPARE FOR FINISH. PATCH AREAS
OF WALLS TO REMAIN THAT WERE DAMAGED BY REMOVAL OF
WALL BASE.
- SUFFIX KEY (FLOOR FINISH IDENTIFICATIONS):
- A. CARPET
B. CERAMIC FLOOR TILE
C. CONCRETE (NATURAL OR SEALED OR STAINED OR
PAINTED)
D. LINOLEUM, SHEET OR TILE
E. PORCELAIN TILE
F. POURED EPOXY
G. RUBBER FLOORING
H. TERRAZZO
I. VAT/VOT
J. VINYL, SHEET
K. WOOD FLOORING.
- 10A REMOVE LOCKERS AND LOCKER BASE COMPLETELY. PATCH
EXPOSED SURFACES TO MATCH ADJACENT FINISHES /
SURFACES TO EXTENT REQUIRED TO PERFORM SCHEDULED
WORK.

General Ceiling Notes

- A. LIGHTING AND OTHER CEILING-MOUNTED FIXTURES ARE
SHOWN FOR DRAWING CLARITY. COORDINATE ALL CEILING
WORK PRIOR TO INSTALLATION OF CEILING GRID.
- B. CEILING HEIGHT IS 9'-0" ABOVE FINISHED FLOOR (UNO).
- C. CENTER CEILING-MOUNTED ITEMS (LIGHTS, GRILLES,
DETECTORS, SPRINKLER HEAD, ETC) WITHIN THE CEILING
PANELS AND GRIDS UNLESS THE PANELS ARE SCORED.
CENTER ITEMS WITHIN THE PATTERN OF SCORED PANELS.
- D. PROVIDE EXPANSION JOINT (E-J) COVERS IN CEILINGS AND
SOFFITS AT EJ LOCATIONS.
- E. PROVIDE CONTROL JOINTS IN GYPSUM BOARD CEILINGS AND
SOFFITS AS DETAILED ON DRAWINGS (MAXIMUM 20'-0" OC,
EVENLY SPACED, TYP UNO).
- F. PATCH CEILING SYSTEMS TO REMAIN THAT HAVE BEEN
DISTURBED BY SCHEDULED WORK TO MATCH ADJACENT
ONSTRUCTION PRIOR TO PAINTING.
- G. X 9'-0" DESIGNATES BOTTOM OF CEILING ABOVE FINISHED
FLOOR AT THAT POINT UNO. DESIGNATION "MC"
INDICATES MATCH EXISTING CEILING HEIGHT.

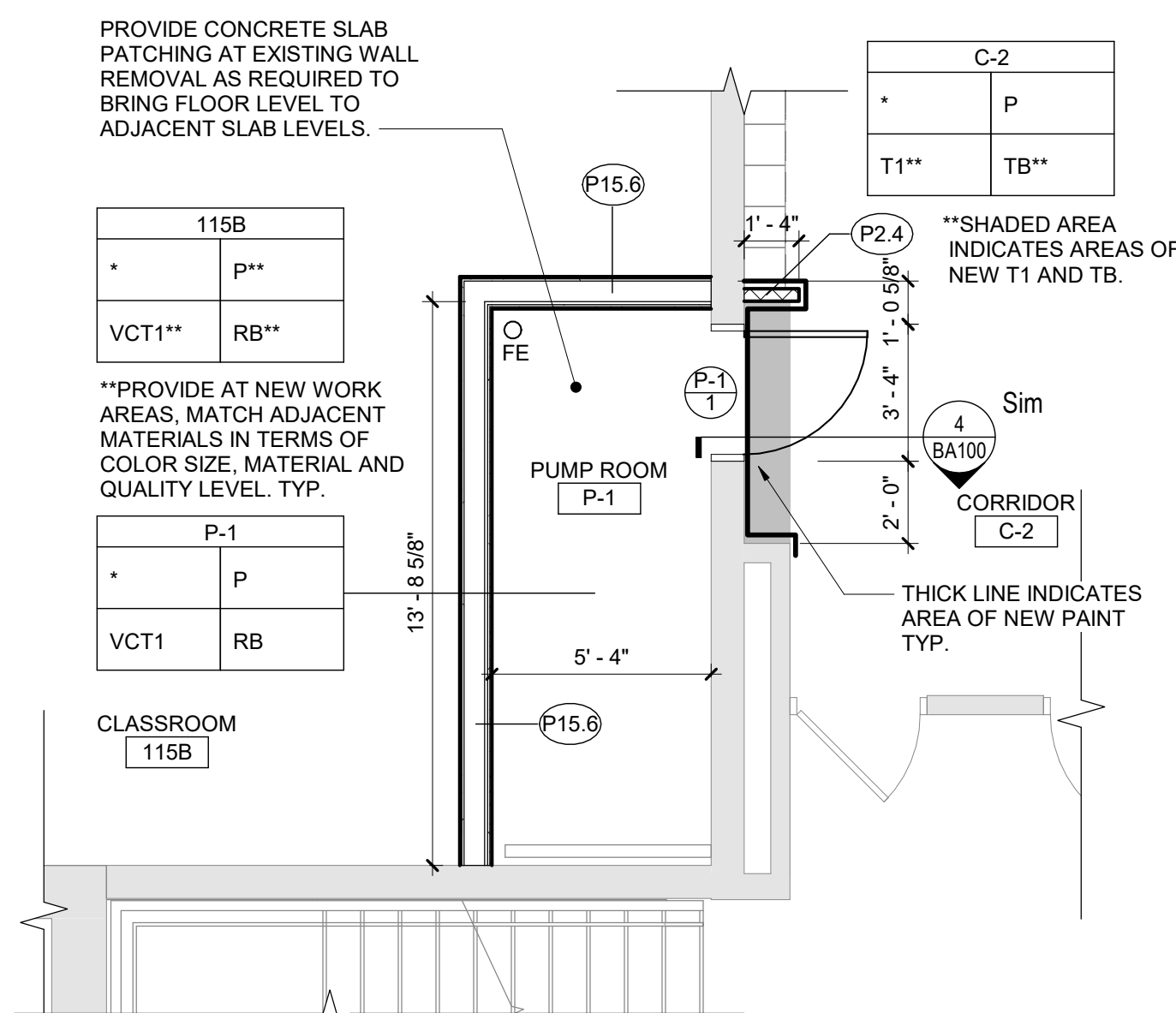
Ceiling Types

- A1 X-X" ACOUSTIC PANEL CEILING

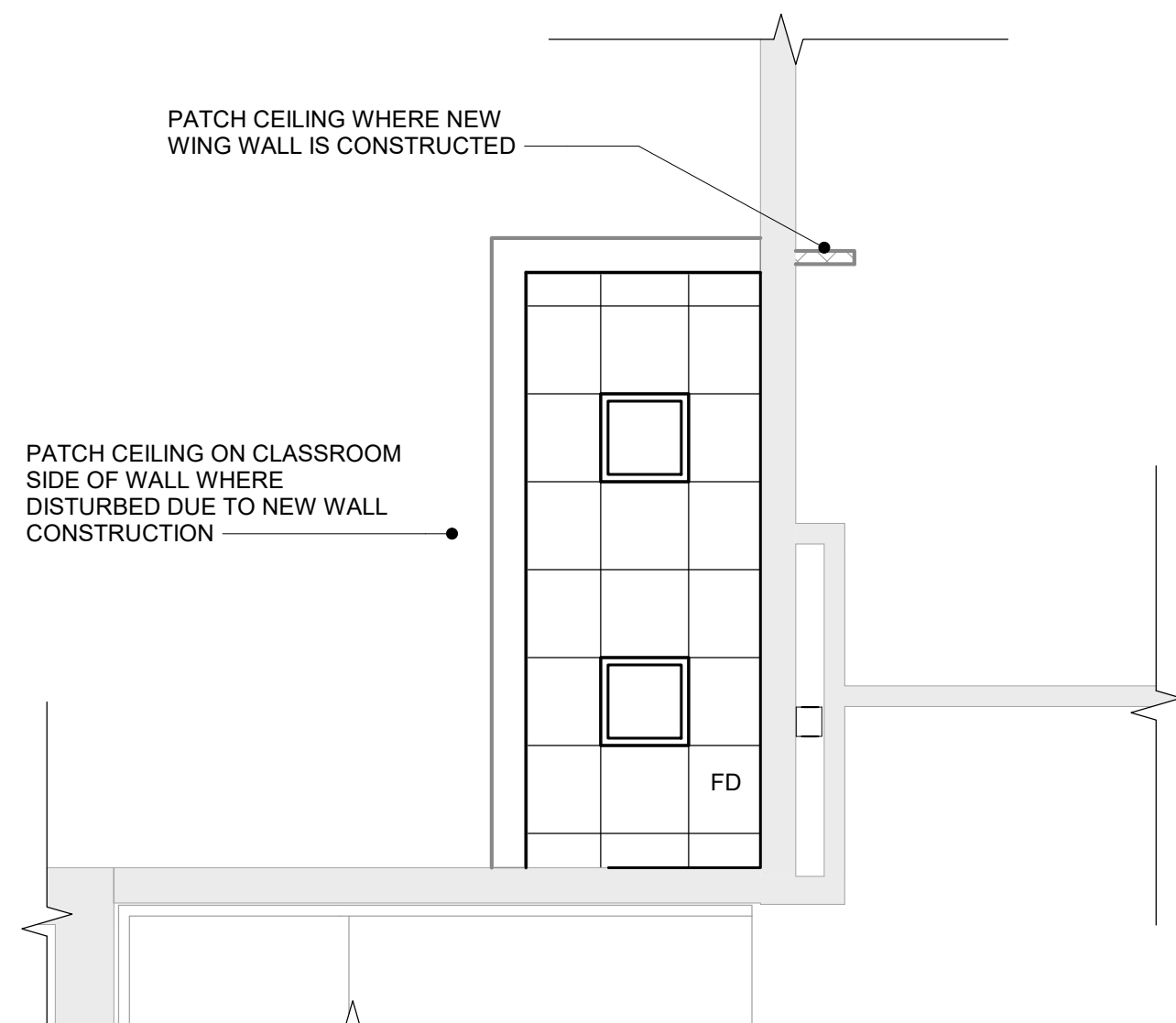
STRUCTURAL LOADS

A. LIVE LOADS OCCUPANCY OR USE PUMP ROOM (LIGHT MFR)	UNIFORM 125 PSF	IBC 1607 CONCENTRATED 2000 LBS
	REDUCTION IN LIVE LOADS AS PERMITTED PER BUILDING CODE OF IBC 1607.10	
B. ROOF LOADS	MINIMUM ROOF LIVE LOAD 20 PSF	
RAIN LOAD: RAIN INTENSITY RAIN SURCHARGE LOAD HAS BEEN APPLIED TO AREAS WHERE PONDING OCCURS IN ACCORDANCE WITH IBC SECTION 1611.		IBC 1607.12 2.75 INCH/HR
C. SNOW LOADS	GROUND SNOW LOAD, Pg (NY'S SUPP. FIG. 1608.2)	
FLAT ROOF SNOW LOAD, Pf (ASCE-7)		30 PSF
SNOW EXPOSURE FACTOR, Ce		23 PSF
THERMAL FACTOR, Ct		1.0
SNOW LOAD IMPORTANCE FACTOR, Is		1.0
ADDITIONAL SNOW LOADS HAVE BEEN APPLIED TO AREAS WHERE DRIFTING OCCURS IN ACCORDANCE WITH IBC SECTION 1608.		1.1
D. WIND LOAD DESIGN CRITERIA	BASIC WIND SPEED (3 SECOND GUST), Vult	
NOMINAL DESIGN WIND SPEED, Vwind (TABLE 1609.3.1)		120 MPH
RISK CATEGORY (TABLE 1604.5)		92.95 MPH
EXPOSURE CATEGORY		III
INTERNAL PRESSURE COEFFICIENT, GCPI		B
		+/- 0.18
E. SEISMIC DESIGN CRITERIA	RISK CATEGORY	
SEISMIC IMPORTANCE FACTOR, Is		III
MAPPED SPECTRAL RESPONSE ACCELERATION AT SHORT PERIODS, Ss		1.25
AT 1 SECOND PERIOD, S1		23.3%g
SITE CLASS		6.9%g
DESIGN SPECTRAL RESPONSE ACCELERATION AT SHORT PERIODS, SDS		D
AT 1 SECOND PERIOD, SD1		24.9%g
SEISMIC DESIGN CATEGORY		11.0%g B

1 First Floor Demolition Plan
1/4" = 1'-0"



2 First Floor Plan
1/4" = 1'-0"



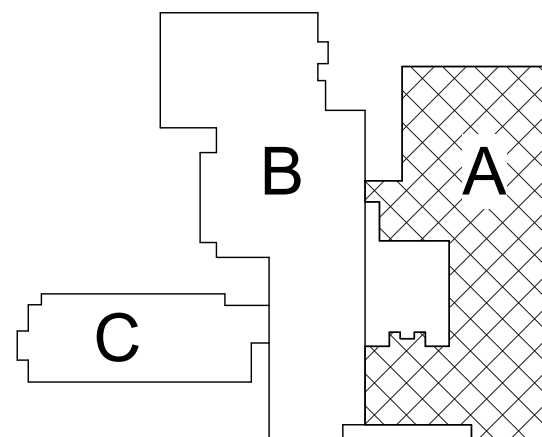
3 First Floor Reflected Ceiling Plan
1/4" = 1'-0"

General Demolition Notes

- A. - - - - - REMOVE ITEMS INDICATED BY DASHED LINE.
- B. KEYED DEMOLITION TAGS REFER TO SPECIFIC LOCATIONS AS
FOLLOWS:
- DEMOLITION TAGS LOCATED WITHIN THE MIDDLE OF A
SPACE REFER TO DEMOLITION OF ALL ITEMS OF THAT
SAME TYPE WITHIN THAT ENTIRE SPACE.
 - DEMOLITION TAGS PLACED IMMEDIATELY ON OR
ADJACENT TO A DASHED LINE INDICATING ITEM
REMOVAL OR THAT HAVE A LEADER POINTING TO
SPECIFIC ITEM(S) REFER TO DEMOLITION OF THAT
SPECIFIC ITEM ONLY OF THAT TYPE WITHIN THAT SPACE.
 - DEMOLITION TAGS IN SERIES REFER TO DEMOLITION OF
ALL THOSE ITEMS EITHER WITHIN THAT ENTIRE SPACE
OR TO THE SPACE IDENTIFIED BY THAT LEADER.
- C. WHEN AN ITEM IS INDICATED TO BE DEMOLISHED REMOVE ALL
ASSOCIATED COMPONENTS AS PART OF THAT WORK.
- D. ALL ARTWORK NOT PERMANENTLY AFFIXED TO EXISTING
CONSTRUCTION SHALL BE REMOVED AND STORED BY OWNER
PRIOR TO BEGINNING DEMOLITION WORK. CONTACT OWNER'S
AGENT(S) IF ANY ARTWORK IS ENCOUNTERED PRIOR TO START
OF DEMOLITION WORK.
- E. EXISTING WINDOW-MOUNTED A/C UNITS SHALL BE REMOVED
AND STORED BY OWNER PRIOR TO START OF DEMOLITION
WORK.

General Plan Notes

- A. WHERE EXISTING CONSTRUCTION IS DAMAGED OR DISTURBED,
PATCH AS REQUIRED TO RESTORE SURFACES TO THEIR
ORIGINAL CONDITION.
- B. PARTITION TYPE TAGS APPLY TO ENTIRE LENGTH OF WALL
INDICATED BY THAT TAG, REGARDLESS OF OPENINGS WITHIN
THAT WALL, TYPICAL UNLESS NOTED OTHERWISE.
- C. INFILL AREAS OF RECESSED FLOOR MAT AND/OR FINISH
REMOVALS WITH REPAIR MATERIAL. PROVIDE SUBSTRATE LEVEL
AS REQUIRED SO SCHEDULED FINISHED FLOOR WILL MATCH
THAT OF EXISTING ADJACENT AREAS.
- D. PROVIDE BRACING WITHIN CHASES AS FOLLOWS:
- MASONRY WALLS: FULL-HEIGHT 4" CMU BRACES AT
MAXIMUM SPACING OF 11'-0" OC.
 - GYPSUM BOARD/TILE BACKING PANELS ON METAL
FRAMING: FULL-HEIGHT 6" METAL STUD BRACES AT
MAXIMUM SPACING OF 11'-0" OC.



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-006-013

Rev. No.: Date: Description:



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Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac Middle School

Demolition, Construction and Reflected
Ceiling Plans

Drawn By:
TS

Date:
08/21/20

Drawing Number:

Project No.:
121111-19002

BA100

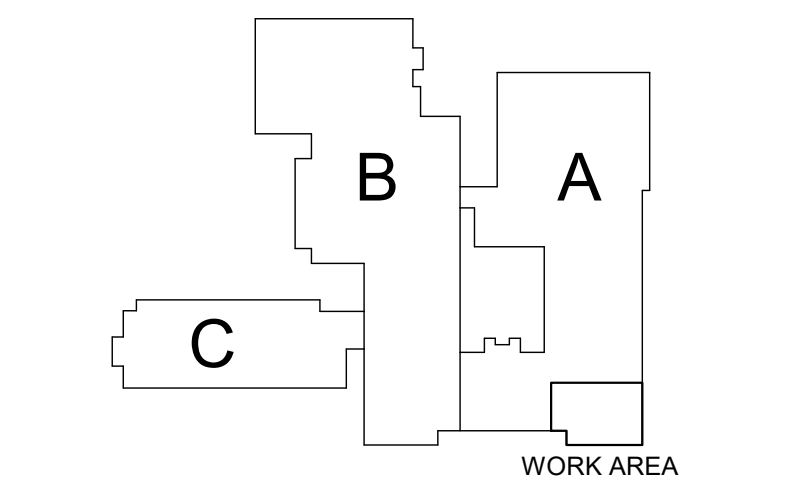
BID SET



- GENERAL NOTES
1. REFER TO ALL CONTRACT DOCUMENTS, DRAWINGS AND SPECIFICATIONS, FOR DETAILED STANDARDS AND REQUIREMENTS.
2. REPORT UNSAFE OR UNSATISFACTORY CONDITIONS IN WRITING TO OWNER, ARCHITECT AND ENGINEER AND RESOLVE ISSUES BEFORE PROCEEDING.
3. WORK INCLUDES ALL LABOR AND MATERIALS REQUIRED TO PROVIDE COMPLETE WORKING SYSTEM.
4. COORDINATE PHASING REQUIREMENTS AT JOB MEETINGS AND ON WORK SCHEDULES.
5. NO TYPICAL DRAWINGS, PIPING AND DUCTWORK ARE SHOWN DIAGRAMMATICALLY. IT IS NOT POSSIBLE TO SHOW EVERY TRANSITION, FITTING, ASPECT RATIO CHANGE, ETC.,
6. PROVIDE ALL REQUIRED INFORMATION TO THE ARCHITECT, ENGINEER, CONTRACTOR, AND ALL OTHERS CONCERNED WITH THE PROJECT. CONSIDER ALL CONSTRAINTS, EXAMINE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED, AND DETERMINE THE BEST LOCATION, DIMENSIONS, ARRANGEMENTS, ELECTRICAL CHARACTERISTICS AND INTERFERENCE IN THE FIELD PRIOR TO BID.
7. VERIFY EXTENT OF CEILING WORK SHOWN ELSEWHERE IN THE CONTRACT DOCUMENTS. PROVIDE FOR ADDITIONAL CEILING SYSTEM REMOVAL, PRIOR TO ANY REFINED INSTALLATION AS REQUIRED FOR CONTRACT WORK.
8. IF UNANTICIPATED MECHANICAL, ELECTRICAL OR STRUCTURAL CONDITIONS ARE ENCOUNTERED, INVESTIGATE AND REPORT BOTH NATURE AND EXTENT OF THE CONFLICT. RE-ROUTE WORK OR EXISTING ELECTRICAL OR PLUMBING AS REQUIRED.
9. CUT, DRILL, OR OTHERWISE CREATE OPENINGS AS NEATLY AS POSSIBLE, AS REQUIRED FOR THE INDICATED CONTRACT WORK. PROVIDE SUPPORT FOR ALL EXISTING STRUCTURE. THE METHODS LEAST LIKELY TO DAMAGE ELEMENTS TO REMAIN. PREPARE WORK, VERIFY AND APPROVE ALL WORK. ADVISE ALL MEMBERS INCLUDING CROSS BRACING, ELECTRICAL, WIRING, PLUMBING, ETC. PROMPTLY NOTIFY ARCHITECT OF ANY CONFLICT. DO NOT CUT OR DRILL THROUGH ANY OTHER SERVICES UNTIL SPECIFICALLY DIRECTED TO DO SO. PENDING RECEIPT OF DIRECTION, REARRANGE SCHEDULE AS NECESSARY TO CORRECTLY CARRY OUT THE PROGRAM WITHOUT DELAY.
10. PATCH ALL DISTURBANCES RESULTING FROM DEMOLITION OR NEW WORK TO MATCH SURROUNDING WORK. PATCH PRIOR TO FOLLOWING DEMOLITION, AND AGAIN FOLLOWING WORK, WHERE HOLES FROM REMOVALS, INFILL AND PATCH TO MATCH EXISTING WORK.
11. PROTECT ALL CONTRACT EQUIPMENT, ELEMENTS TO REMAIN, OWNER'S BELONGINGS, AND EQUIPMENT TO BE REUSED OR RETAINED BY OWNER DURING CONTRACT WORK, AT NO ADDITIONAL COST TO OWNER, REPAIR OR REPLACE ITEMS WHEN DAMAGED.
12. REMOVE ALL EXCESS MATERIALS AND SCRAPS ARE CONTRACTORS' PROPERTY. PROMPTLY REMOVE FROM SITE UNLESS SPECIFICALLY DIRECTED TO REMAIN.
13. EXISTING HVAC COMPONENTS IN THIS BUILDING MAY CONTAIN, BE IN PROXIMITY TO, OR WORK ON THEM MAY CAUSE DISTURBANCE OF, ASBESTOS. IF ASBESTOS IS FOUND, OR IF HAZARDOUS MATERIALS, REFER TO ABATEMENT SYSTEMS DRAWINGS AND SPECIFICATIONS COMPLETE FOR ADDITIONAL INFORMATION. PROCEED WITH THE WORK AS INDICATED FOR ALL EXISTING TO REMAIN HVAC COMPONENTS WHERE INSULATION IS REMOVED AS A PART OF ABATEMENT WORK. SEPARATE FROM WALL AND CEILING. PROVIDE ALL ASBESTOS RESISTANCE RATINGS NOTED ON CONTRACTOR'S DRAWINGS, BUT NOT LESS THAN 1/4" AND IN ACCORDANCE WITH SECTION 05 40 00 DEMOLITION PART 1.11 PIPING. PROVIDE ALL NEW PENETRATIONS AND EXISTING UNFIRESTOPPED PENETRATIONS CREATED BY REMOVALS, AS REQUIRED TO PERFORM THE WORK.
14. LOUVER-1,MS SHALL BE 7X7.5" BY 10" EXTRUDED ALUMINUM BRIGGS, 1/4" MIN. @ 1.25" X 7.5" OR ENGINEER APPROVED EQUAL.

SEQUENCE OF OPERATION

1. WHEN THE SPACE TEMPERATURE RISES TO 80 DEG. F., OPEN THE AUTOMATIC DAMPER.
2. PROVIDE ALARMS AS FOLLOWS
 - HIGH SPACE TEMPERATURE (90 DEG.F.) ADJ.
 - PUMP FAILURE, CONTACT CLOSURE.



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-006-013

Rev. No.:	Date:	Description:
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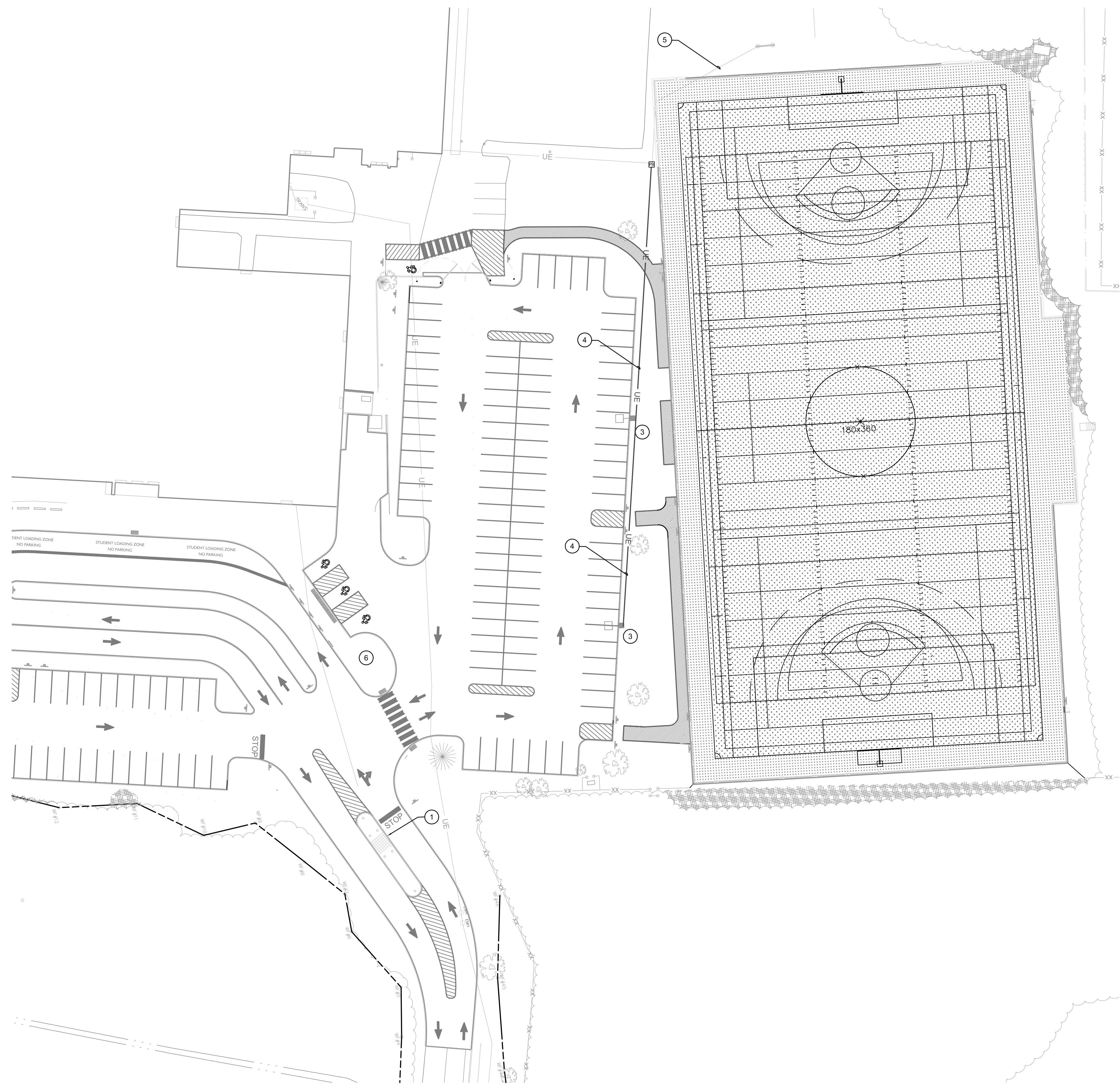


Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac Middle School

Pump Room Ventilation Plan

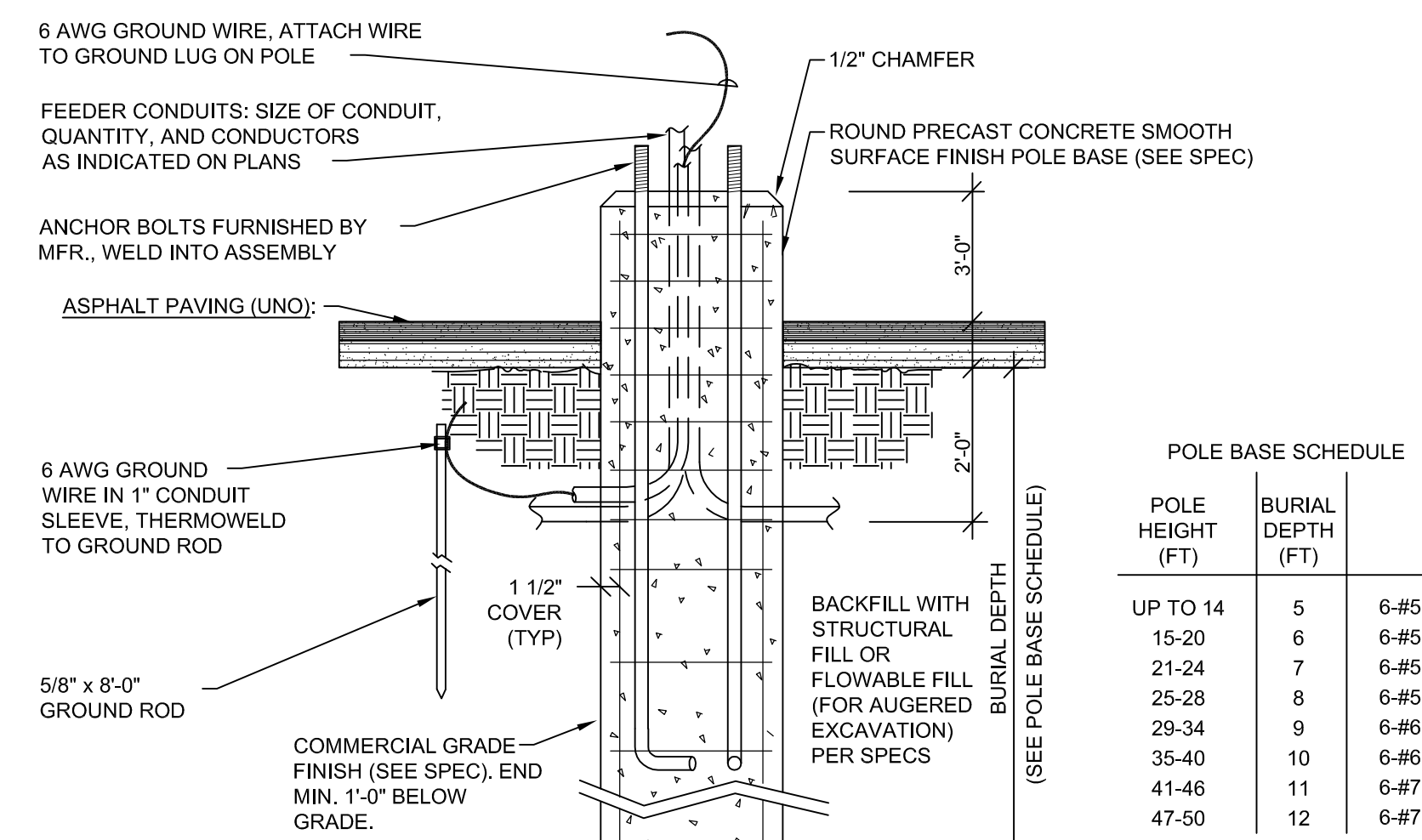
Drawn By: TTAE	Date: 08/21/20	Drawing Number:
Project No.: 121111-19002		BM050



2 Electrical Layout Plan
1" = 30'

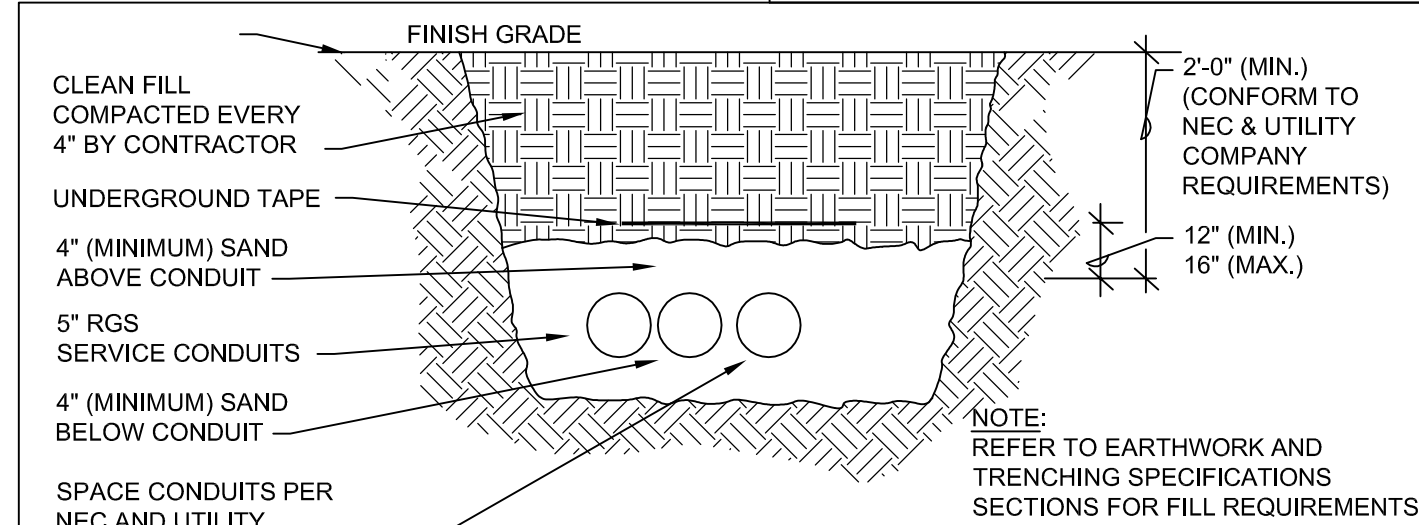


1 Electrical Demolition Plan
1" = 30'

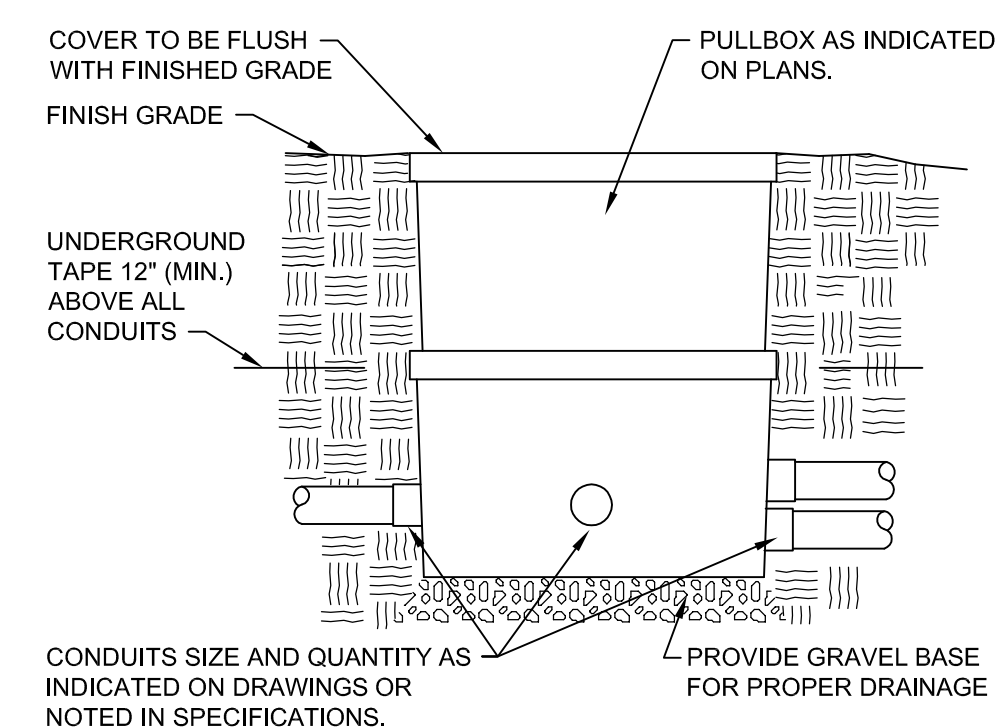


- NOTES:
1. PROVIDE PRECAST CONCRETE BASE PER DIV. 03 SPEC "PRECAST CONCRETE LIGHTING POLE BASES"
 2. POLE BASE MINIMUM DIAMETER SHALL BE EQUAL TO POLE BASE PLATE + 1'-0".
 3. REINFORCING BARS TO CONFORM TO ASTM A615 GRADE 60.
 4. REFER TO POLE BASE SCHEDULE FOR VERTICAL REINFORCING BARS. PROVIDE #3 HORIZONTAL TIES AT 6" O.C. FOR TOP 4' AND 12" O.C. FOR THE REMAINDER.

3 Typical Pole Base Detail - Paved Areas
N.T.S.



5 Secondary Service Trench Detail
N.T.S.



4 Typical Buried Pull Box Detail
No Scale

Keyed Notes:

1. DISCONNECT CIRCUITRY TO GUARD SHACK. MAINTAIN CIRCUITRY TO EXTEND/MODIFY TO RELOCATION.
2. EXTEND/MODIFY CIRCUITRY TO GUARD SHACK TO ACCOMMODATE NEW LOCATION.
3. PROVIDE ROUND POLE AT 20'-0" AFG WITH LUMINAIRE BASED ON MODEL SIGNIFY GARDCO PUREFORM P26-48L-NW-GR-3-4K AND STANDARD WEATHER PROOF DUPLEX RECEPTACLE. CONNECT RECEPTACLES WITH (2) #12, (1) #12G IN 1/2" CONDUIT.
4. CIRCUIT (2) #10, (1) #10G IN 3/4" CONDUIT AND CONNECT TO PANEL L-1B IN ELECTRIC ROOM 145 CONTROL BY PHOTOCELL.
5. BY ALTERNATE NO 1: RELOCATE UNDERGROUND ELECTRIC TO SCOREBOARD FOR SPORTSFIELD RENOVATION.
6. PROVIDE FLAGPOLE LIGHT BASED ON MODEL TARGETTI KEPLERO ZOOM MODEL NUMBER KPL-41-2M-L2-40. CONNECT TO CIRCUIT AND LIGHTING CONTROL PREVIOUSLY SERVING EXISTING FLAG POLE LIGHT.

S.E.D. Control No. 48-01-01-06-7-026-001
S.E.D. Control No. 48-01-01-06-0-003-008
S.E.D. Control No. 48-01-01-06-0-004-020
S.E.D. Control No. 48-01-01-06-0-006-013

Rev. No.: Date: Description:



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Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac Middle School

Electrical Site Demolition
and Layout Plan

Drawn by:
GR

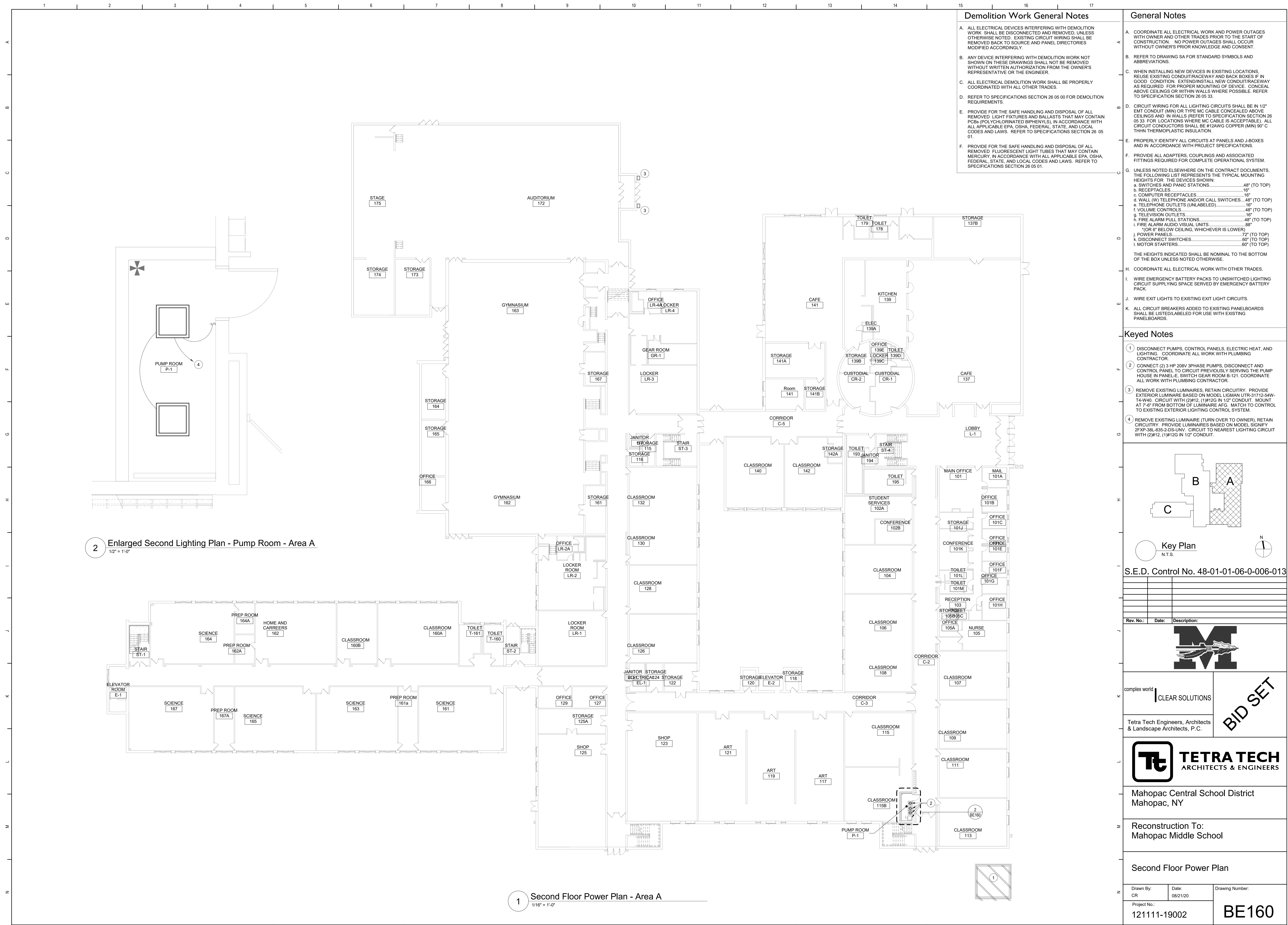
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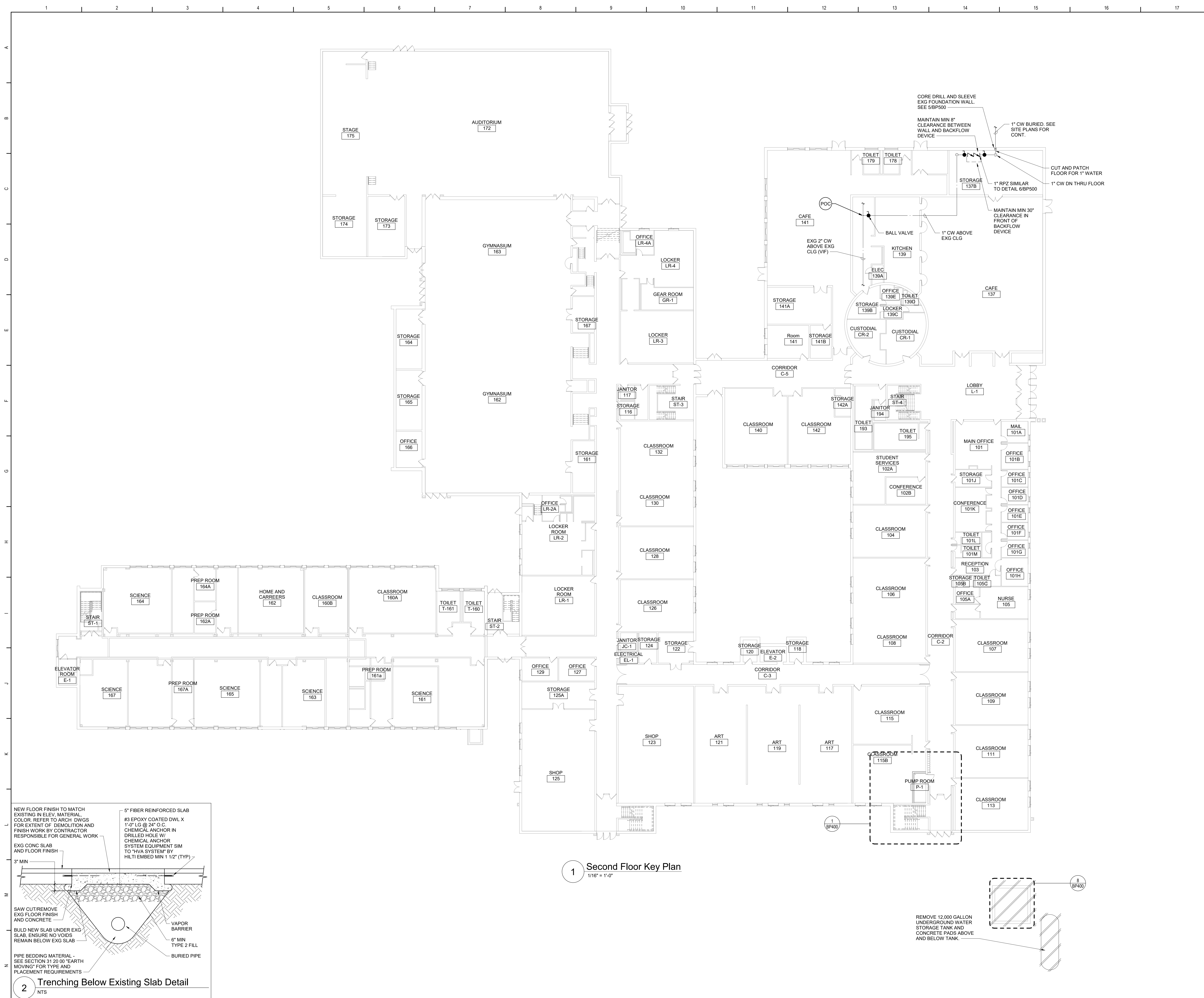
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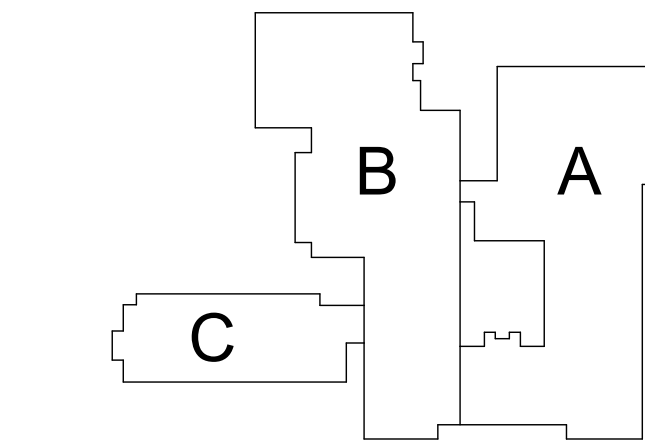
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General Notes

- A. VERIFY ALL PIPING LOCATIONS, SIZES, AND ARRANGEMENTS IN FLOOR PLAN TO BID. NOTIFY ARCHITECT IN WRITING OF ANY DISCREPANCIES.
- B. VERIFY IN FIELD INVERT AND DIRECTION OF FLOW IN EXISTING SOIL PIPE WHERE NEW SOIL PIPE IS TO BE CONNECTED TO EXISTING SOIL PIPE.
- C. LEGALLY DISPOSE OF ALL DEMOLITION DEBRIS.
- D. INCLUDE TRENCHING, CUTTING AND PATCHING OF FLOORS, WALLS AND CEILINGS, INCLUDING CEILING TILE REMOVAL AND REPLACEMENT, WHEN REQUIRED FOR PLUMBING WORK. PATCHES AND RECONSTRUCTED AREAS MUST BE FINISHED TO MATCH EXISTING. TAKE PRECAUTIONS TO PROTECT STRUCTURAL INTEGRITY OF FLOOR OR WALLS WHEN TRENCHING OR CUTTING.
- E. MATERIALS FOR PLUMBING INSTALLATION SHALL BE NEW, UNLESS SPECIFICALLY NOTED OTHERWISE.
- PROVIDE THROUGH PENETRATION FIRESTOPPING FOR FIRE RATED WALLS AND FLOORS THROUGH EXISTING WALLS AND FLOORS ARE CONSIDERED TWO-HOUR PARTITIONS UNLESS SPECIFICALLY NOTED OTHERWISE. REFLECT TO SERIES OR CODE COMPLIANCE DRAWINGS FOR LOCATION OF FIRE RATED WALLS AND FLOORS.



Key Plan
N.T.S.

E.D. Control No. 48-01-01-06-0-006-013

v. No.:	Date:	Description:
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Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac Middle School

Second Floor Key Plan and Details

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Project No.: 121111-19002		BP050



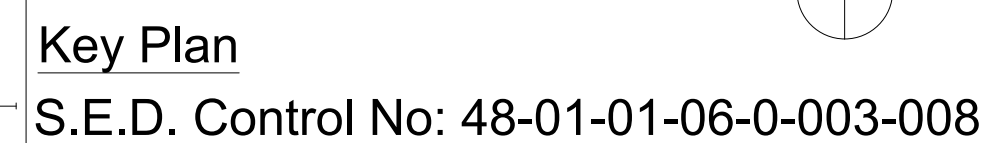
1. WATER STORAGE TANK INSULATION IS ASBESTOS CONTAINING.
2. COMPLETELY DISMANTLE THE STORAGE TANK AND INSULATION. ALL NON-METAL MATERIALS SHALL BE HANDLED AND DISPOSED OF AS ASBESTOS CONTAINING MATERIALS.
3. LEGALLY DISPOSE OR RECYCLE REMAINING CLEANED METALLIC TANK COMPONENTS.

1. IN INDICATED AREAS REMOVE AND DISPOSE OF IDENTIFIED ASBESTOS CONTAINING PIPE / FITTING INSULATION.
2. WHERE THE AMOUNT OF PIPE INSULATION IS NOT INDICATED, QUANTITY IS UNKNOWN, REMOVE ALL PIPE/ FITTING INSULATION IN THE INDICATED AREA AND WITHIN ADJACENT WALLS, CHASES AND CEILING SPACES.
3. OPEN ALL WALLS, CEILINGS AND CHASES SCHEDULED TO BE DISTURBED IN THE RENOVATION AND REMOVE ALL PIPE / FITTING INSULATION WITHIN OPENING OF WALLS, CEILINGS AND CHASES SHALL BE TO THE EXTENT NECESSARY TO ACCESS AND REMOVE ALL PIPE / FITTING INSULATION WITHIN. COORDINATE WITH OTHERS TO DETERMINE THE EXTENT OF ACCESS / REMOVALS NECESSARY. CONTRACTOR SHALL PROVIDE ADDITIONAL OPENINGS AS NECESSARY SHOULD THE REMOVALS REQUIRE OPENING OF WALLS, CEILINGS, ETC. IF ENTIRE SUBSTRATE IS SCHEDULED TO BE REMOVED, CONTRACTOR MAY ELECT TO REMOVE ENTIRE SURFACE IN ORDER TO CREATING A FLAT SURFACE. CONTRACTOR SHALL STATE EXTENTS, LOCATIONS, AND INTENT TO REMOVE ENTIRE SUBSTRATE WITH DRAWINGS AND OTHER CONTRACTORS.
4. REMOVE FIBERGLASS PIPE INSULATION WHICH ABUTS THE ACM MUDDIED FITTING INSULATION A MINIMUM OF 8" FROM ANY WALL/CEILING MUDDIED FITTING INSULATION. LEAVE AN EVEN EDGE WHICH IS PERPENDICULAR TO THE PIPE RUN.
5. ALL PIPE AND FITTING INSULATION REMOVAL SHALL BE PERFORMED:
 - a) WITHIN A FULL CONTAINMENT WORK AREA;
 - b) IN ACCORDANCE WITH ICR 56-7.11 (f) (1) "NEGATIVE PRESSURE TEST REGULATED ABATEMENT WORK AREA ENCLOSURE" OR;
 - c) IN ACCORDANCE WITH A SPECIFIC VARIATION WHICH IS GRANTED BY THE NYSOCD AND APPROVED BY THE OWNER AND ARCHITECT.

A	REMOVE WATER STORAGE TANK WITH ASBESTOS CONTAINING INSULATION
B	REMOVE ASBESTOS CONTAINING PIPE ELBOW/FITTING INSULATION COMPLETE WITHIN THE EXTENTS OF THE INDICATED SPACE

1. CONTRACTOR PERFORMING ANY AND ALL ASBESTOS ABATEMENT WORK SHALL BE A NYSDOL LICENSED ASBESTOS CONTRACTOR.
2. PERFORM ALL WORK IN ACCORDANCE WITH SPECIFICATION SECTION 02 82 00 - ASBESTOS ABATEMENT.
3. ASBESTOS CONTAINING MATERIALS SHALL BE ABATED IN ACCORDANCE WITH THE DRAWINGS AND SECTION 02 82 00 PRIOR TO ANY GENERAL DEMOLITION WORK THAT COULD DISTURB THOSE MATERIALS.
4. DO NOT SCALE DRAWINGS.
5. COORDINATE ALL WORK WITH OTHER CONTRACTORS.
6. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY AND ALL VARIANCES FROM INDUSTRIAL CODE RULE 56, WHICH ARE DESIRED OR NECESSARY TO PERFORM THE WORK.
7. REMOVE ALL ABATED MATERIALS FROM THE WORK AREA AND (OR) BUILDING IN SEALED BAGS, DRUMS OR PLASTIC SHEETING.
8. WHERE INTERIOR ABATEMENT OCCURS, ISOLATE THE WING OR MAJOR SECTION OF THE BUILDING, FROM OCCUPIED PORTIONS OF THE BUILDING WITH SEALED ISOLATION BARRIERS CONSTRUCTED OF IMPERMEABLE MATERIALS. THE ISOLATED PORTION OF THE BUILDING MUST CONTAIN EXITS THAT DO NOT PASS THROUGH THE OCCUPIED PORTION OF THE BUILDING AND VENTILATION SYSTEMS SHALL BE PHYSICALLY SEPARATED AND SEALED AT THE ISOLATION BARRIER.

1. EACH PRIME CONTRACTOR IS RESPONSIBLE FOR THEIR OWN WORK WHICH WILL DISTURB LEAD PAINTED OR CONTAINING MATERIALS.
2. ALL PAINTED OR GLAZED SURFACES ARE PRESUMED TO BE LEAD CONTAINING, AND SHALL BE TREATED AS LEAD-BASED PAINT.
3. PERFORM ALL WORK THAT WILL DISTURB LBP IN ACCORDANCE WITH SECTION 02 83 00 - LEAD-SAFE WORK PRACTICES.



Rev. No.:	Date:	Description:



Abatement Plan

Z	Drawn by: TJT	Date: 8/21/20	Drawing No.:
	Project No.: 121111-19002		FH100



1 First Floor Power Plan - Area A
1/16" = 1'-0"

Demolition Work General Notes

- A. ALL ELECTRICAL DEVICES INTERFERING WITH DEMOLITION WORK SHALL BE DISCONNECTED AND REMOVED, UNLESS OTHERWISE NOTED. EXISTING CIRCUIT WIRING SHALL BE REMOVED BACK TO SOURCE AND PANEL DIRECTORIES MODIFIED ACCORDINGLY.
- B. ANY DEVICE INTERFERING WITH DEMOLITION WORK NOT SHOWN ON THESE DRAWINGS SHALL NOT BE REMOVED WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER'S REPRESENTATIVE OR THE ENGINEER.
- C. ALL ELECTRICAL DEMOLITION WORK SHALL BE PROPERLY COORDINATED WITH ALL OTHER TRADES.
- D. REFER TO SPECIFICATIONS SECTION 26 05 00 FOR DEMOLITION REQUIREMENTS.
- E. PROVIDE FOR THE SAFE HANDLING AND DISPOSAL OF ALL REMOVED LIGHT FIXTURES AND BALLASTS THAT MAY CONTAIN PCBs (POLYCHLORINATED BIPHENYLS), IN ACCORDANCE WITH ALL APPLICABLE EPA, OSHA, FEDERAL, STATE, AND LOCAL CODES AND LAWS. REFER TO SPECIFICATIONS SECTION 26 05 01.
- F. PROVIDE FOR THE SAFE HANDLING AND DISPOSAL OF ALL REMOVED FLUORESCENT LIGHT TUBES THAT MAY CONTAIN MERCURY, IN ACCORDANCE WITH ALL APPLICABLE EPA, OSHA, FEDERAL, STATE, AND LOCAL CODES AND LAWS. REFER TO SPECIFICATIONS SECTION 26 05 01.

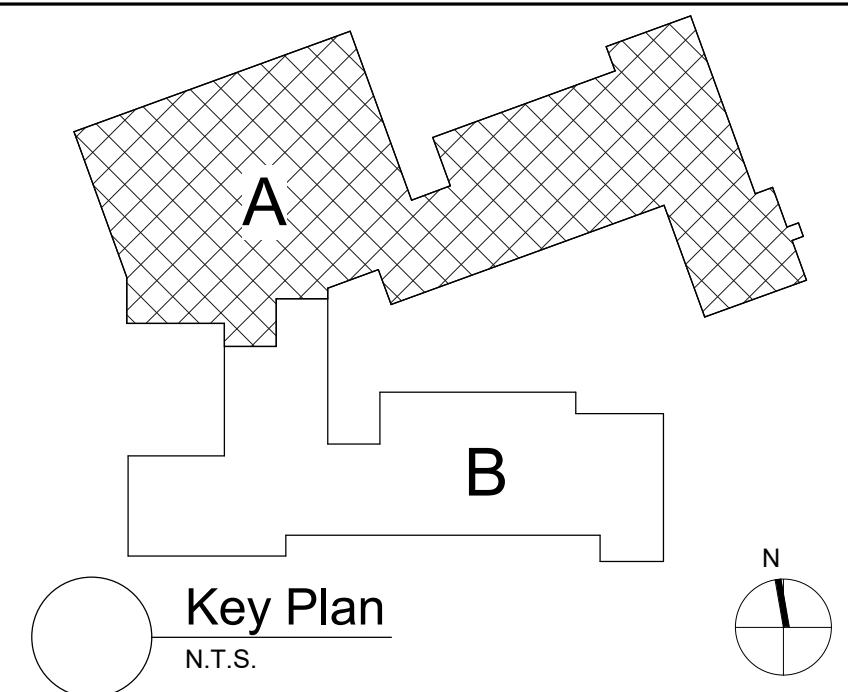
General Notes

- A. COORDINATE ALL ELECTRICAL WORK AND POWER OUTAGES WITH OWNER AND OTHER TRADES PRIOR TO THE START OF CONSTRUCTION. NO POWER OUTAGES SHALL OCCUR WITHOUT OWNER'S PRIOR KNOWLEDGE AND CONSENT.
- B. REFER TO DRAWING SA FOR STANDARD SYMBOLS AND ABBREVIATIONS.
- C. WHEN INSTALLING NEW DEVICES IN EXISTING LOCATIONS, REUSE EXISTING CONDUIT/TRACEWAY AND BACK BOXES IF IN GOOD CONDITION. EXTENDING/INSTALL NEW CONDUIT/TRACEWAY AS REQUIRED FOR PROPER MOUNTING OF DEVICE. CONCEAL ABOVE CEILINGS OR WITHIN WALLS WHERE POSSIBLE. REFER TO SPECIFICATION SECTION 26 05 33.
- D. CIRCUIT WIRING FOR ALL LIGHTING CIRCUITS SHALL BE IN 1/2" EMT CONDUIT (MIN) OR TYPE MC CABLE CONCEALED ABOVE CEILINGS AND IN WALLS (REFER TO SPECIFICATION SECTION 26 05 33 FOR LOCATIONS WHERE MC CABLE IS ACCEPTABLE). ALL CIRCUIT CONDUCTORS SHALL BE #12AWG COPPER (MIN) 90°C THHN THERMOPLASTIC INSULATION.
- E. PROPERLY IDENTIFY ALL CIRCUITS AT PANELS AND J-BOXES AND IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
- F. PROVIDE ALL ADAPTERS, COUPLINGS AND ASSOCIATED FITTINGS REQUIRED FOR COMPLETE OPERATIONAL SYSTEM.
- G. UNLESS NOTED ELSEWHERE ON THE CONTRACT DOCUMENTS, THE FOLLOWING LIST REPRESENTS THE TYPICAL MOUNTING HEIGHTS FOR THE DEVICES SHOWN:
 - a. SWITCHES AND PANIC STATIONS.....48" (TO TOP)
 - b. RECEPTACLES.....16"
 - c. COMPUTER RECEPTACLES.....16"
 - d. WALL (W) TELEPHONE AND/OR CALL SWITCHES.....48" (TO TOP)
 - e. TELEPHONE OUTLETS (UNLABELED).....16"
 - f. VOLUME CONTROLS.....48" (TO TOP)
 - g. TELEVISION OUTLETS.....16"
 - h. FIRE ALARM PULL STATIONS.....48" (TO TOP)
 - i. FIRE ALARM AUDIO VISUAL UNITS.....88" (OR 6" BELOW CEILING, WHICHEVER IS LOWER)
 - j. POWER PANELS.....72" (TO TOP)
 - k. DISCONNECT SWITCHES.....60" (TO TOP)
 - l. MOTOR STARTERS.....60" (TO TOP)

- THE HEIGHTS INDICATED SHALL BE NORMAL TO THE BOTTOM OF THE BOX UNLESS NOTED OTHERWISE.
- H. COORDINATE ALL ELECTRICAL WORK WITH OTHER TRADES.
- I. WIRE EMERGENCY BATTERY PACKS TO UNSWITCHED LIGHTING CIRCUIT SUPPLYING SPACE SERVED BY EMERGENCY BATTERY PACK.
- J. WIRE EXIT LIGHTS TO EXISTING EXIT LIGHT CIRCUITS.
- K. ALL CIRCUIT BREAKERS ADDED TO EXISTING PANELBOARDS SHALL BE LISTED/LABELED FOR USE WITH EXISTING PANELBOARDS.

Keyed Notes

- 1 DISCONNECT POWER CIRCUITRY TO UV DISINFECTION, CHLORINE PUMP, BOOSTER PUMP AND WATER SOFTENER. TAG CIRCUITRY FOR RE-USE. CONNECT 1-1/2 HP 208V SINGLE PHASE PUMPS, DISCONNECT, AND CONTROL PANEL TO CIRCUIT PREVIOUSLY SERVING THIS AREA. COORDINATE ALL WORK WITH PLUMBING CONTRACTOR.



S.E.D. Control No. 48-01-01-06-0-003-008

Rev. No.:	Date:	Description:



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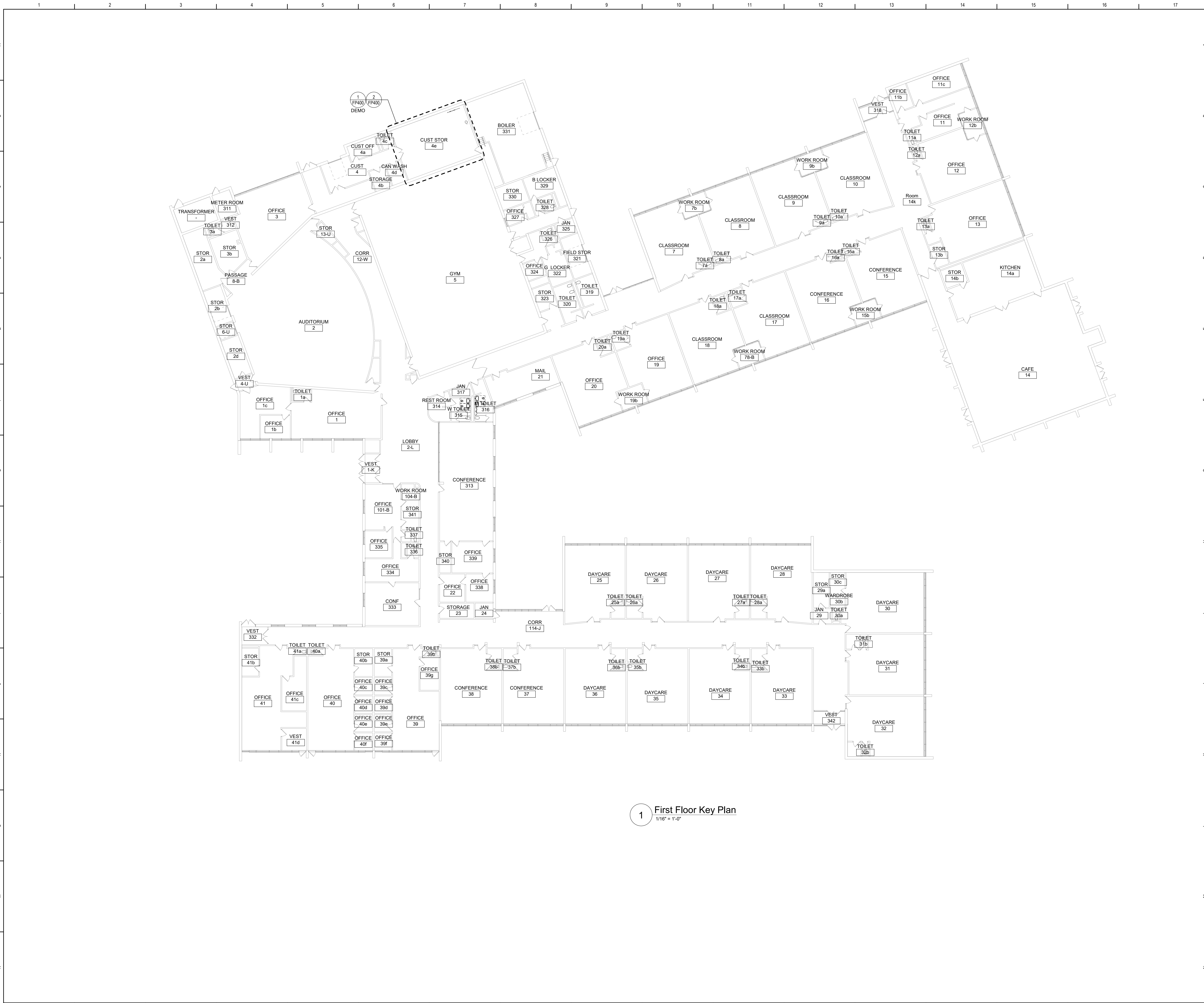


Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac Falls Elementary

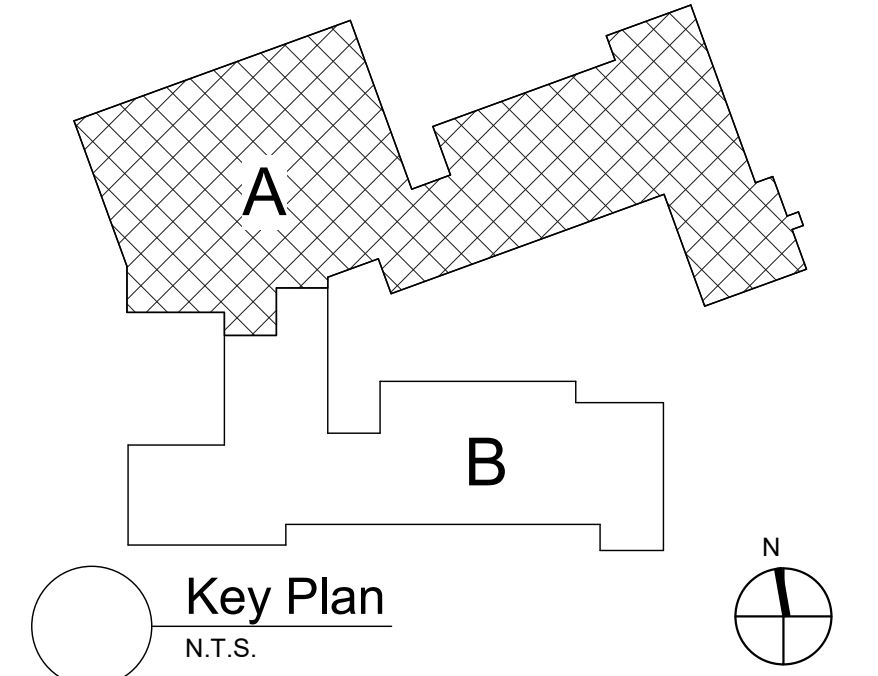
First Floor Power Plan

Drawn By: CR	Date: 08/21/20	Drawing Number: FE160
Project No.: 121111-19002		



1 First Floor Key Plan
1/16" = 1'-0"

- General Notes**
- A. VERIFY ALL PIPING LOCATIONS, SIZES, AND ARRANGEMENTS IN FIELD PRIOR TO BID. NOTIFY ARCHITECT IN WRITING OF ANY DISCREPANCIES.
 - B. VERIFY IN FIELD INVERT AND DIRECTION OF FLOW IN EXISTING SOIL PIPE WHERE NEW SOIL PIPE IS TO BE CONNECTED TO EXISTING SOIL PIPE.
 - C. LEGALLY DISPOSE OF ALL DEMOLITION DEBRIS.
 - D. INCLUDE TRENCHING, CUTTING AND PATCHING OF FLOORS, WALLS AND CEILINGS, INCLUDING CEILING TILE REMOVAL AND REPLACEMENT, WHEN REQUIRED FOR PLUMBING WORK. PATCH ABANDONED OPENINGS AND DISTURBED FINISHES TO MATCH EXISTING. TAKE PRECAUTIONS TO PROTECT STRUCTURAL INTEGRITY OF FLOOR OR WALLS WHEN TRENCHING OR CUTTING.
 - E. MATERIALS FOR PLUMBING INSTALLATION SHALL BE NEW, UNLESS SPECIFICALLY NOTED OTHERWISE.
 - F. PROVIDE THROUGH PENETRATION FIRESTOPPING FOR FIRE RATED WALLS AND FLOORS. PENETRATIONS THROUGH EXISTING WALLS AND FLOORS ARE CONSIDERED TWO-HOUR PARTITIONS UNLESS SPECIFICALLY NOTED OTHERWISE. REFER TO 'A' SERIES OR CODE COMPLIANCE DRAWINGS FOR LOCATION OF FIRE RATED WALLS AND FLOORS.



S.E.D. Control No. 48-01-01-06-0-003-008

Rev. No.: Date: Description:



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BID SET

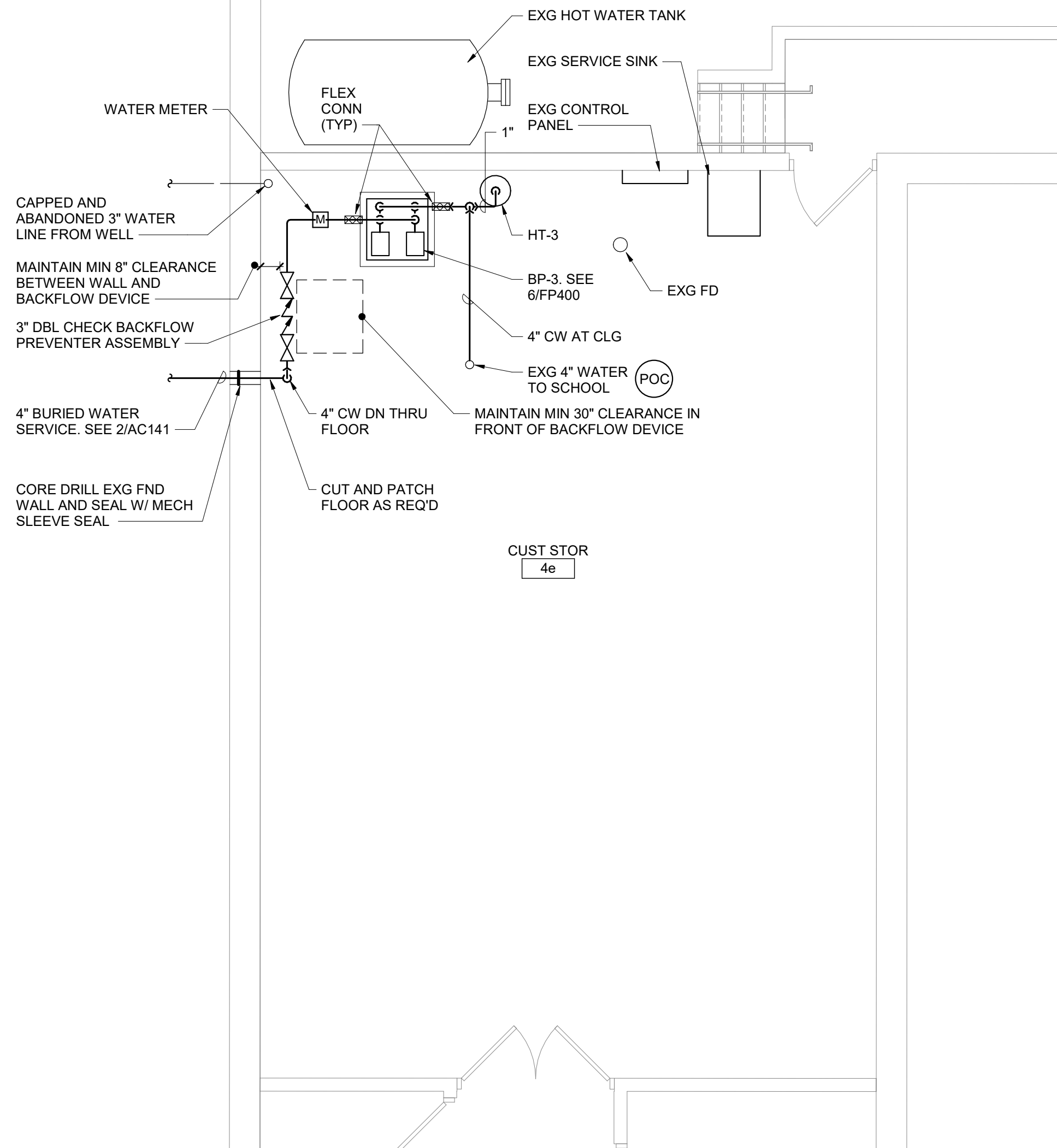


Mahopac Central School District
Mahopac, NY

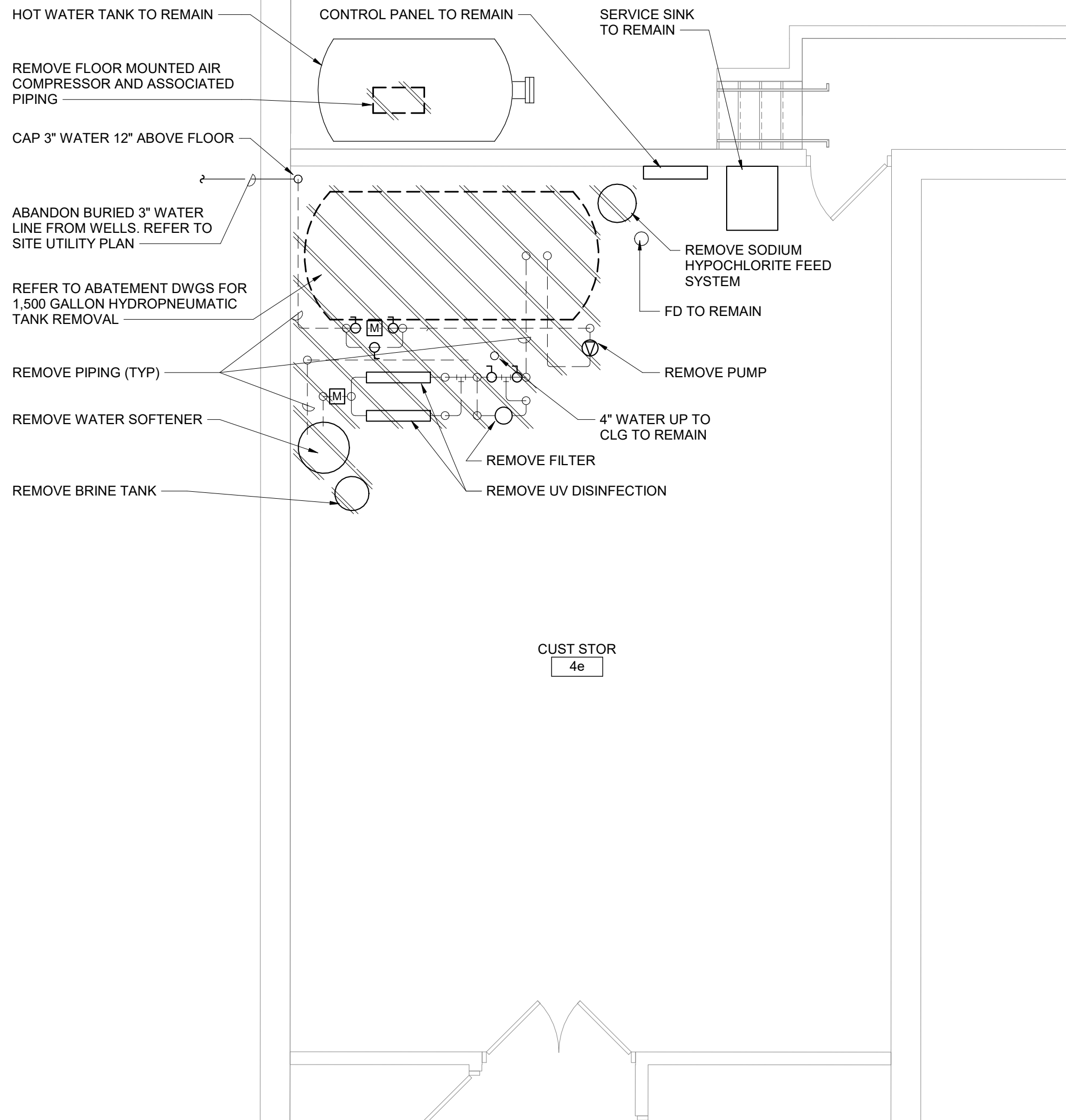
Reconstruction To:
Mahopac Falls Elementary

First Floor Key Plan

Drawn By: DCG/ sef Date: 08/21/20 Drawing Number:
Project No.: 121111-19002
FP050



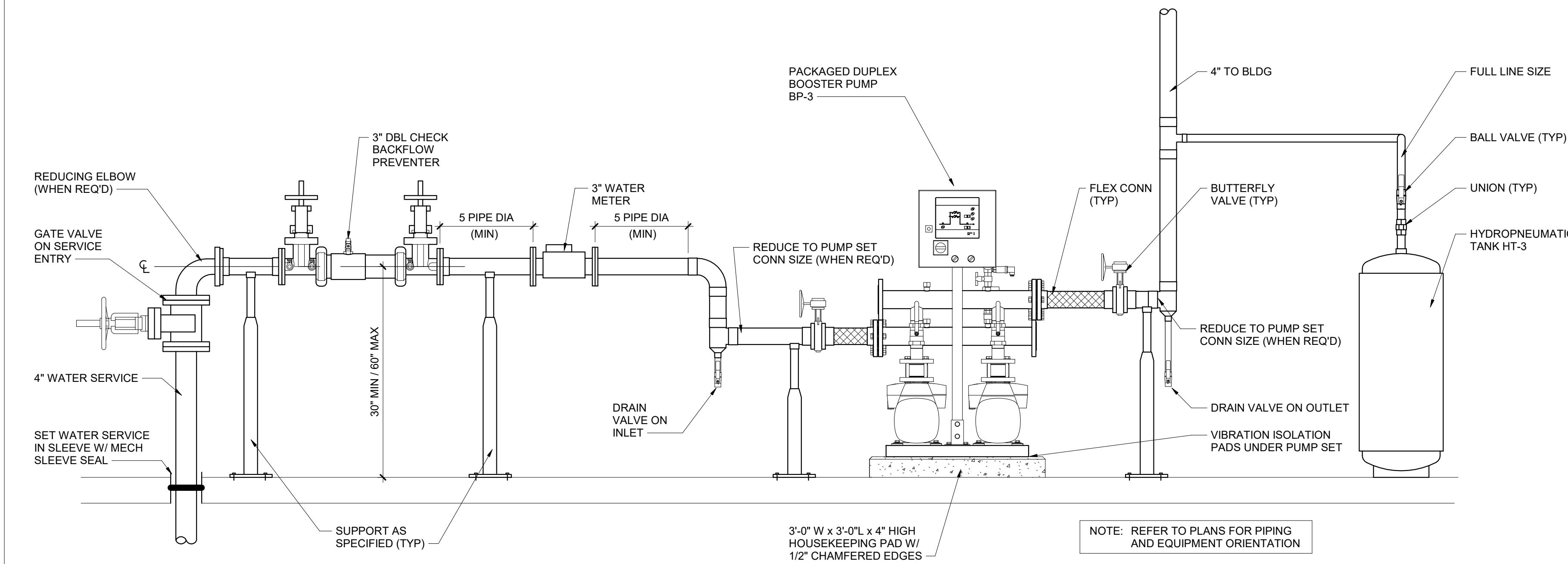
2 Custodial Storage 4e Plan
1/4" = 1'-0" NOTE: VIEW ROTATED FROM KEY PLAN



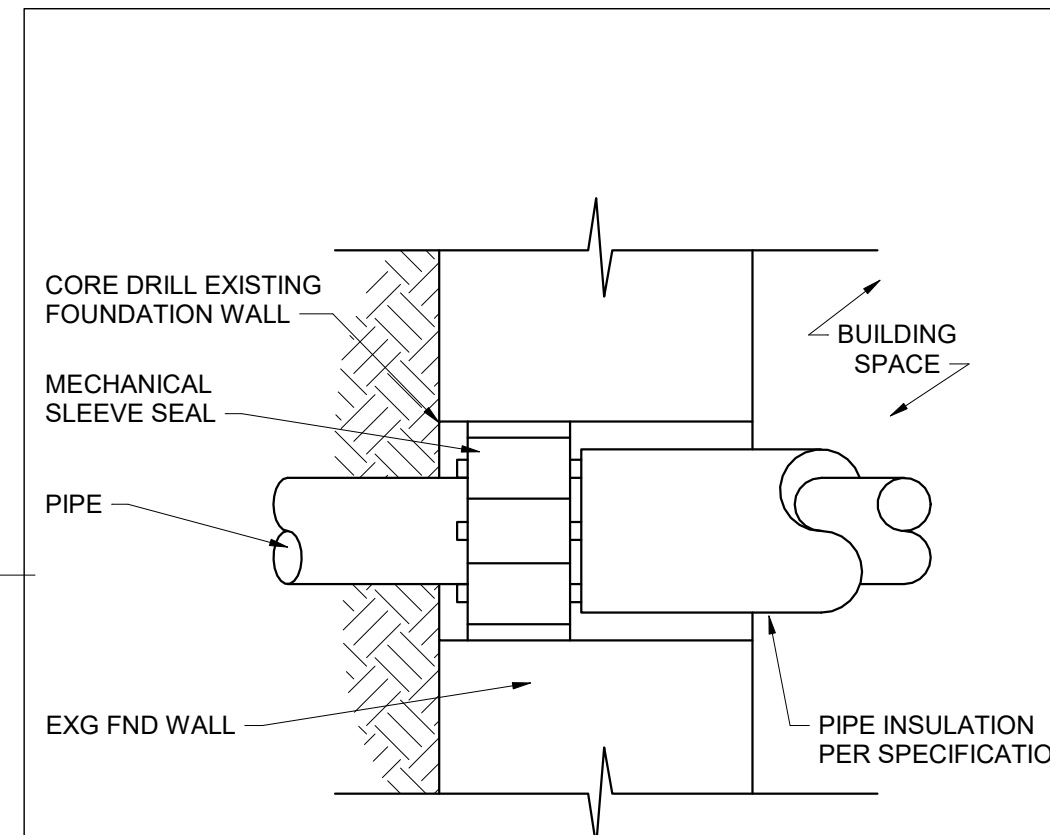
1 Custodial Storage 4e Demolition Plan
1/4" = 1'-0" NOTE: VIEW ROTATED FROM KEY PLAN

Domestic Water Booster Pump Schedule													
DWG LABEL	LOCATION	DESIGN MAKE AND MODEL	TOTAL CAPACITY	TOTAL DYNAMIC HEAD	MAX CONT OPERATING TEMP	INLET / OUTLET SIZE	RPM	HORSE POWER	FULL LOAD AMPS	VOLTAGE	PHASE	HERTZ	NOTES
			GPM	FEET	"F	NPS							
BP-3	CUSTODIAL STORAGE 4e	GRUNDFOS HYDRO MULTI-B/E 2 CME10-1	75	46.2	104	2.5	3450	1.5	13.1	208	1	60	1, 2
NOTES: 1. PACKAGED DUPLEX BOOSTER PUMP SYSTEM WITH VARIABLE FREQUENCY DRIVES AND DUPLEX CONTROL PANEL MOUNTED ON A SKID. 2. EACH PUMP SIZED FOR 75% OF TOTAL SYSTEM CAPACITY.													

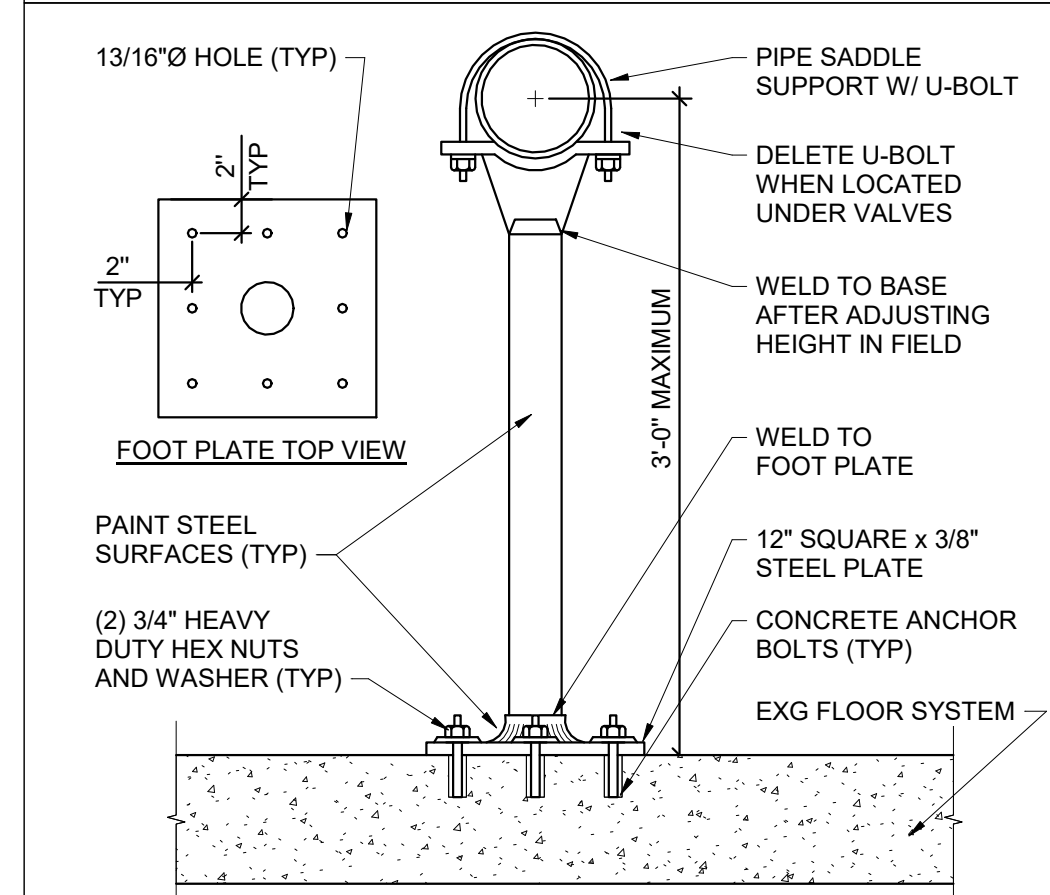
Hydropneumatic Tank Schedule										
DRAWING LABEL	LOCATION	MAKE AND MODEL NUMBER	TOTAL STORAGE CAPACITY (GALLONS)	MAXIMUM ACCEPTANCE VOLUME - GALLONS	WATER SERVICE PRESSURE (PSI)	MAXIMUM ALLOWABLE PRESSURE (PSI)	DIAMETER (INCHES)	HEIGHT (INCHES)	CONNECTION (NPT)	NOTES
HT-3	CUSTODIAL STORAGE 4e	JOHN WOOD NO. JAPR 20-602	15	39.7	60	150	12	33 1/2	1	1, 2
NOTES: 1. REPLACEABLE BUTYL BLADDER (FDA APPROVED). 2. ASME CONSTRUCTION.										



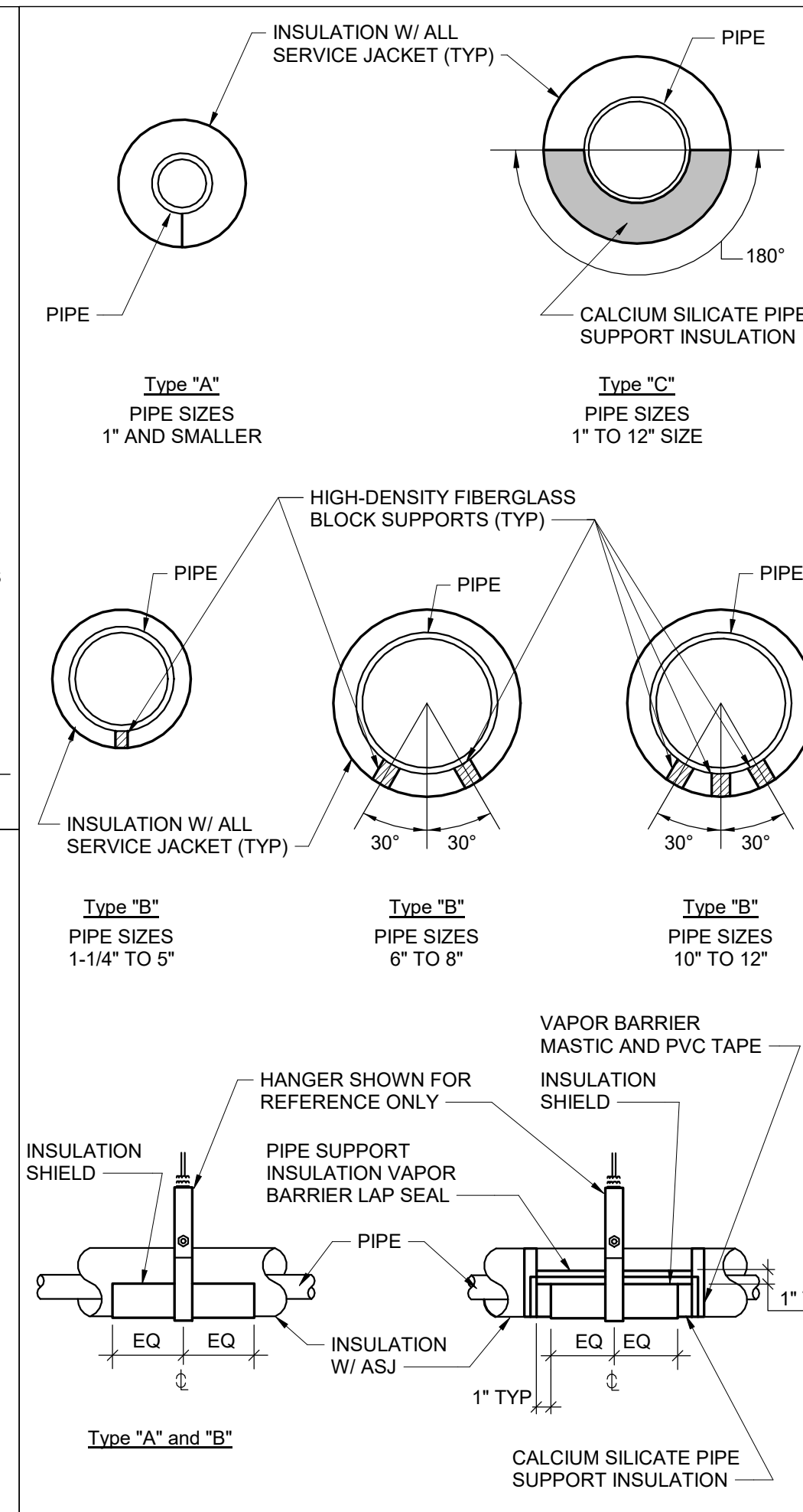
6 Duplex Booster Pump System Schematic
NTS



4 Existing Foundation Penetration Detail
NTS

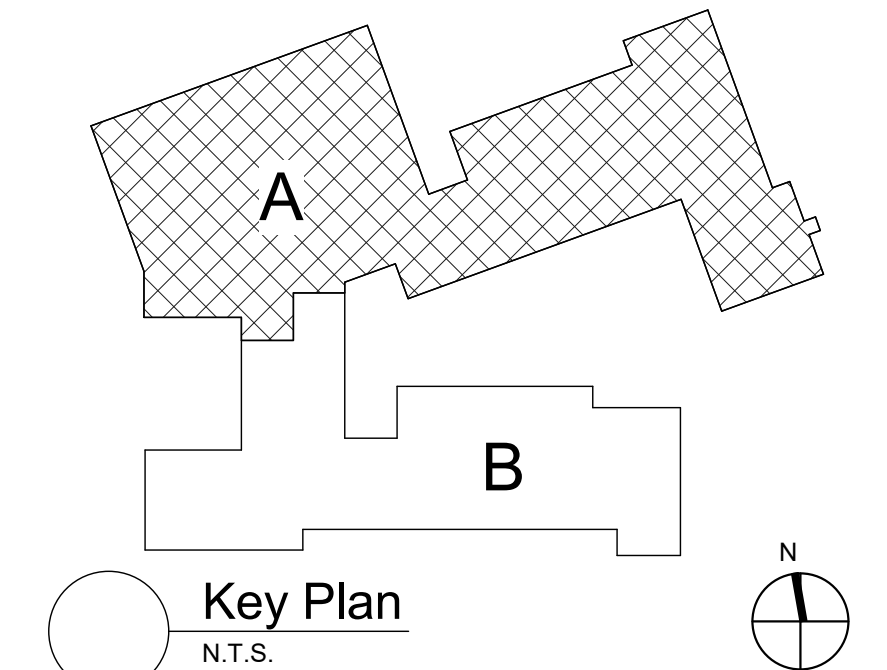


5 Pipe Stand Detail
NTS



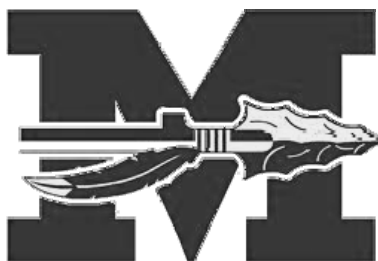
3 Insulated Piping Support Assemblies
NTS

- Plan Notes**
- A. REFER TO DRAWING NO. P050 FOR GENERAL NOTES.
- B. REMOVE PLUMBING EQUIPMENT INDICATED, INCLUDING ASSOCIATED PIPING, FASTENERS, SUPPORTS, ETC., BACK TO POINTS OF CONCEALMENT WITHIN OR BEHIND REMAINING WALLS, BELOW FLOORS OR ABOVE CEILINGS.
- C. REMOVE ABANDONED ACCESSIBLE PIPING TO MAIN BRANCHES, STACKS OR RISERS AS REQUIRED TO ELIMINATE EXPOSED PIPING AND DEAD END PIPING RUNS LONGER THAN 1'-0". COORDINATE CONCEALMENT OF PIPING WITH FINAL CONSTRUCTION OF WALLS, FLOORS AND CEILINGS.



S.E.D. Control No. 48-01-01-06-0-003-008

Rev. No.: Date: Description:



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Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac Falls Elementary

Enlarged Plans, Details and Schedule

Drawn By: DCG/ sef Date: 08/21/20 Drawing Number:
Project No.: 121111-19002
FP400



BUILDING ADDITION 1984
SECOND FLOOR - 1,172 SF



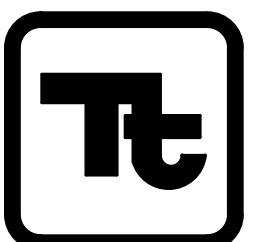
— ORIGINAL BUILDING 1965
FIRST FLOOR - 6,800 SF

— BUILDING ADDITION 1984
FIRST FLOOR - 1,172 SF

[illegible]

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& Landscape Architects, P.C.



TETRA TECH
ARCHITECTS & ENGINEERS

— Mahopac Central School District
Mahopac, NY

M	Reconstruction To: Mahopac Bus Garage
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Code Compliance Review - First and Second Floor Key Plans

N	Drawn By:	Date:	Drawing Number:
	TTAE	08/21/20	

Project No.:	121111-19002
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GG051

A. RAINF LOADS PER BCNYS 1607.13 MINIMUM ROOF LIVE LOAD	20 PSF
B. RAIN LOAD PER BCNYS 1611 RAIN INTENSITY	2.75 IN/HR
RAIN SURCHARGE LOAD HAS BEEN APPLIED TO AREAS WHERE PONDING OCCURS IN ACCORDANCE WITH BCNYS 1611.1.	
B. SNOW LOADS PER BCNYS 1608 GROUND SNOW LOAD, P_g (FIGURE 1608.2) FLAT ROOF SNOW LOAD, P_f (FIGURE 1608.2) SNOW EXPOSURE FACTOR, C_e THERMAL FACTOR, C_t SNOW LOAD IMPORTANCE FACTOR, I_s	30 PSF 23 PSF 1.0 1.0 1.1
ADDITIONAL SNOW LOADS HAVE BEEN APPLIED TO AREAS WHERE DRIFTING OCCURS IN ACCORDANCE WITH BCNYS 1608.	
C. WIND LOAD DESIGN CRITERIA PER BCNYS 1609 BASIC DESIGN WIND SPEED (3 SECOND GUST), V ALLOWABLE STRESS DESIGN WIND SPEED, V_{asd} RISK CATEGORY EXPOSURE CATEGORY INTERNAL PRESSURE COEFFICIENT, GCP_i	120 MPH 92.95 MPH B B +/- 0.18
D. SEISMIC DESIGN CRITERIA PER BCNYS 1613 SEISMIC CATEGORY SEISMIC IMPORTANCE FACTOR I_e MAPPED SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD, S_s AT 1 SECOND PERIOD, S_1 SITE CLASS DESIGN SPECTRAL RESPONSE ACCELERATION AT SHORT PERIODS, S_{ds} AT 1 SECOND PERIOD, S_{d1} SEISMIC DESIGN CATEGORY	III 1.25 23.3% 6.9% D 24.96% 11.05%

PROJECT LOCATION:
90 MYRTLE AVENUE, MAHOPAC, NY 10541
BOUND BY MYRTLE AVENUE TO THE WEST, FALL ELEMENTARY SCHOOL TO THE NORTH AND MAHOPAC HIGH SCHOOL TO THE EAST

PROJECT DESCRIPTION:
THIS PROJECT INCLUDES HVAC SYSTEM UPGRADES FOR THE FIRST FLOOR TO PROVIDE VENTILATION AND HEATING AND REPLACEMENT OF THE VEHICLE EXHAUST SYSTEM.

WORK GENERALLY CONSISTS OF THE FOLLOWING
ALTERATIONS - LEVEL 3 OF THE ITEMS INDICATED ABOVE.

APPLICABLE CODES [AND STANDARDS]:

BASED ON THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE INCLUDING APPLICABLE 2018 ICC CODES, 2020 BUILDING CODE OF NYS INCLUDING THE 2020 BCNYS, 2020 EBCNYS AND 2020 ECNYS, AS WELL AS THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 101, 2021 NFPA 101, 2021 NFPA 101.1 AND 2021 NFPA 101.2, 2021 NFPA 101.3, 2021 NFPA 101.4, 2021 NFPA 101.5, 2021 NFPA 101.6, 2021 NFPA 101.7, 2021 NFPA 101.8, 2021 NFPA 101.9, 2021 NFPA 101.10, 2021 NFPA 101.11, 2021 NFPA 101.12, 2021 NFPA 101.13, 2021 NFPA 101.14, 2021 NFPA 101.15, 2021 NFPA 101.16, 2021 NFPA 101.17, 2021 NFPA 101.18, 2021 NFPA 101.19, 2021 NFPA 101.20, 2021 NFPA 101.21, 2021 NFPA 101.22, 2021 NFPA 101.23, 2021 NFPA 101.24, 2021 NFPA 101.25, 2021 NFPA 101.26, 2021 NFPA 101.27, 2021 NFPA 101.28, 2021 NFPA 101.29, 2021 NFPA 101.30, 2021 NFPA 101.31, 2021 NFPA 101.32, 2021 NFPA 101.33, 2021 NFPA 101.34, 2021 NFPA 101.35, 2021 NFPA 101.36, 2021 NFPA 101.37, 2021 NFPA 101.38, 2021 NFPA 101.39, 2021 NFPA 101.40, 2021 NFPA 101.41, 2021 NFPA 101.42, 2021 NFPA 101.43, 2021 NFPA 101.44, 2021 NFPA 101.45, 2021 NFPA 101.46, 2021 NFPA 101.47, 2021 NFPA 101.48, 2021 NFPA 101.49, 2021 NFPA 101.50, 2021 NFPA 101.51, 2021 NFPA 101.52, 2021 NFPA 101.53, 2021 NFPA 101.54, 2021 NFPA 101.55, 2021 NFPA 101.56, 2021 NFPA 101.57, 2021 NFPA 101.58, 2021 NFPA 101.59, 2021 NFPA 101.60, 2021 NFPA 101.61, 2021 NFPA 101.62, 2021 NFPA 101.63, 2021 NFPA 101.64, 2021 NFPA 101.65, 2021 NFPA 101.66, 2021 NFPA 101.67, 2021 NFPA 101.68, 2021 NFPA 101.69, 2021 NFPA 101.70, 2021 NFPA 101.71, 2021 NFPA 101.72, 2021 NFPA 101.73, 2021 NFPA 101.74, 2021 NFPA 101.75, 2021 NFPA 101.76, 2021 NFPA 101.77, 2021 NFPA 101.78, 2021 NFPA 101.79, 2021 NFPA 101.80, 2021 NFPA 101.81, 2021 NFPA 101.82, 2021 NFPA 101.83, 2021 NFPA 101.84, 2021 NFPA 101.85, 2021 NFPA 101.86, 2021 NFPA 101.87, 2021 NFPA 101.88, 2021 NFPA 101.89, 2021 NFPA 101.90, 2021 NFPA 101.91, 2021 NFPA 101.92, 2021 NFPA 101.93, 2021 NFPA 101.94, 2021 NFPA 101.95, 2021 NFPA 101.96, 2021 NFPA 101.97, 2021 NFPA 101.98, 2021 NFPA 101.99, 2021 NFPA 101.100, 2021 NFPA 101.101, 2021 NFPA 101.102, 2021 NFPA 101.103, 2021 NFPA 101.104, 2021 NFPA 101.105, 2021 NFPA 101.106, 2021 NFPA 101.107, 2021 NFPA 101.108, 2021 NFPA 101.109, 2021 NFPA 101.110, 2021 NFPA 101.111, 2021 NFPA 101.112, 2021 NFPA 101.113, 2021 NFPA 101.114, 2021 NFPA 101.115, 2021 NFPA 101.116, 2021 NFPA 101.117, 2021 NFPA 101.118, 2021 NFPA 101.119, 2021 NFPA 101.120, 2021 NFPA 101.121, 2021 NFPA 101.122, 2021 NFPA 101.123, 2021 NFPA 101.124, 2021 NFPA 101.125, 2021 NFPA 101.126, 2021 NFPA 101.127, 2021 NFPA 101.128, 2021 NFPA 101.129, 2021 NFPA 101.130, 2021 NFPA 101.131, 2021 NFPA 101.132, 2021 NFPA 101.133, 2021 NFPA 101.134, 2021 NFPA 101.135, 2021 NFPA 101.136, 2021 NFPA 101.137, 2021 NFPA 101.138, 2021 NFPA 101.139, 2021 NFPA 101.140, 2021 NFPA 101.141, 2021 NFPA 101.142, 2021 NFPA 101.143, 2021 NFPA 101.144, 2021 NFPA 101.145, 2021 NFPA 101.146, 2021 NFPA 101.147, 2021 NFPA 101.148, 2021 NFPA 101.149, 2021 NFPA 101.150, 2021 NFPA 101.151, 2021 NFPA 101.152, 2021 NFPA 101.153, 2021 NFPA 101.154, 2021 NFPA 101.155, 2021 NFPA 101.156, 2021 NFPA 101.157, 2021 NFPA 101.158, 2021 NFPA 101.159, 2021 NFPA 101.160, 2021 NFPA 101.161, 2021 NFPA 101.162, 2021 NFPA 101.163, 2021 NFPA 101.164, 2021 NFPA 101.165, 2021 NFPA 101.166, 2021 NFPA 101.167, 2021 NFPA 101.168, 2021 NFPA 101.169, 2021 NFPA 101.170, 2021 NFPA 101.171, 2021 NFPA 101.172, 2021 NFPA 101.173, 2021 NFPA 101.174, 2021 NFPA 101.175, 2021 NFPA 101.176, 2021 NFPA 101.177, 2021 NFPA 101.178, 2021 NFPA 101.179, 2021 NFPA 101.180, 2021 NFPA 101.181, 2021 NFPA 101.182, 2021 NFPA 101.183, 2021 NFPA 101.184, 2021 NFPA 101.185, 2021 NFPA 101.186, 2021 NFPA 101.187, 2021 NFPA 101.188, 2021 NFPA 101.189, 2021 NFPA 101.190, 2021 NFPA 101.191, 2021 NFPA 101.192, 2021 NFPA 101.193, 2021 NFPA 101.194, 2021 NFPA 101.195, 2021 NFPA 101.196, 2021 NFPA 101.197, 2021 NFPA 101.198, 2021 NFPA 101.199, 2021 NFPA 101.200, 2021 NFPA 101.201, 2021 NFPA 101.202, 2021 NFPA 101.203, 2021 NFPA 101.204, 2021 NFPA 101.205, 2021 NFPA 101.206, 2021 NFPA 101.207, 2021 NFPA 101.208, 2021 NFPA 101.209, 2021 NFPA 101.210, 2021 NFPA 101.211, 2021 NFPA 101.212, 2021 NFPA 101.213, 2021 NFPA 101.214, 2021 NFPA 101.215, 2021 NFPA 101.216, 2021 NFPA 101.217, 2021 NFPA 101.218, 2021 NFPA 101.219, 2021 NFPA 101.220, 2021 NFPA 101.221, 2021 NFPA 101.222, 2021 NFPA 101.223, 2021 NFPA 101.224, 2021 NFPA 101.225, 2021 NFPA 101.226, 2021 NFPA 101.227, 2021 NFPA 101.228, 2021 NFPA 101.229, 2021 NFPA 101.230, 2021 NFPA 101.231, 2021 NFPA 101.232, 2021 NFPA 101.233, 2021 NFPA 101.234, 2021 NFPA 101.235, 2021 NFPA 101.236, 2021 NFPA 101.237, 2021 NFPA 101.238, 2021 NFPA 101.239, 2021 NFPA 101.240, 2021 NFPA 101.241, 2021 NFPA 101.242, 2021 NFPA 101.243, 2021 NFPA 101.244, 2021 NFPA 101.245, 20

BUILDING:	MAHOPAC BUS GARAGE 90 MYRTLE AVENUE MAHOPAC, NY 14541		
DESCRIPTION:	ONE STORY PREFABRICATED METAL BUILDING		
YEAR BUILT:	1965		
BUILDING AREA:	FIRST	7,972 SQFT	
	SECOND	1,284 SQFT	
	TOTAL GROSS AREA= 9,256 SQFT		

BUILDINGS ARE BELIEVED TO HAVE BEEN CONSTRUCTED AND SUBSEQUENT ALTERATIONS MADE IN COMPLIANCE WITH CODES IN EXISTENCE AT THAT TIME.

USE GROUP: S1: MODERATE HAZARD STORAGE

CONSTRUCTION TYPE - EXISTING: IIB

FIRE SAFETY: NO SPRINKLER SYSTEM

WORK AREA:

<u>LOCATION</u>	<u>AREA</u>	<u>% OF TOTAL</u>
1ST FLOOR	5,145 SQFT	55.59%

CORRIDOR DOORS: ALL CORRIDOR DOORS SCHEDULED TO BE REPLACED SHALL HAVE MINIMUM FIRE DOOR ASSEMBLY RATING OF 20 MINUTES IN ACCORDANCE WITH SECTION 7105.

WORK AREA:	LOCATION	AREA	% OF TOTAL
	1ST FLOOR	5,145 SQFT	55.59%



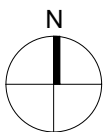
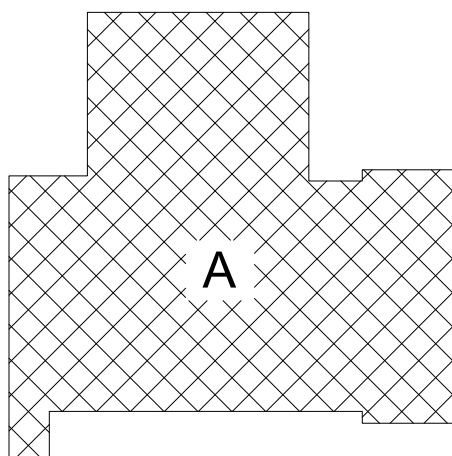
1. IN INDICATED AREAS REMOVE AND DISPOSE OF IDENTIFIED ASBESTOS CONTAINING PIPE / FITTING INSULATION.
2. WHERE THE AMOUNT OF PIPE INSULATION IS NOT INDICATED, QUANTITY IS UNKNOWN. REMOVE ALL PIPE / FITTINGS INSULATION IN IDENTIFIED AREA AND WITHIN ADJACENT WALLS, CHASES AND CEILING SPACES.
3. OPEN ALL WALLS, CEILINGS AND CHASES SCHEDULED TO BE DISTURBED IN THE RENOVATION AND REMOVE ALL PIPE / FITTING INSULATION WITHIN, OPENING OF WALLS, CEILINGS, AND CHASES SHALL BE TO THE EXTENT NECESSARY TO ACCESS AND REMOVE ALL PIPE / FITTING INSULATION WITHIN. COORDINATE WITH OTHERS TO DETERMINE THE EXTENT OF ACCESS / REMOVALS NECESSARY. CONTRACTOR SHALL MAKE ALL NECESSARY ADDITIONAL OPENINGS AS NECESSARY SHOULD THE INITIAL OPENINGS NOT ADEQUATELY ACCESS ALL MATERIAL. IF ENTIRE SUBSTRATE IS NOT TO BE REMOVED, CONTRACTOR MAY EJECT TO REMOVE ENTIRE SURFACE IN LIEU OF CREATING MULTIPLE OPENINGS. COORDINATE EXTENTS, LOCATIONS, AND INTENT TO REMOVE ENTIRE SUBSTRATE WITH DRAWINGS AND OTHER CONTRACTORS.
4. REMOVE FIBERGLASS PIPE INSULATION WHICH ABUTS THE ACM MUDDERED FITTING INSULATION A MINIMUM OF 6" FROM ANY VISIBLE MUDDERED FITTING INSULATION. LEAVE AN EVEN EDGE WHICH IS PERMANENTLY FLAT TO THE SURFACE OF THE REMOVED INSULATION.
5. IN ADDITION TO THE NUMBER OF FITTINGS IDENTIFIED TO BE REMOVED, INCLUDE 2 TENTS AND 6 GLOVEBOGS. SPECIFIC LOCATIONS AND AMOUNTS OF ADDITIONAL REMOVAL SHALL BE FIELD DIRECTED AS REQUIRED. THE BACKDRAFT SHALL BE ADEQUATE TO MAINTAIN UNIT VENTILATION. THE TOTAL VALUE OF THE ACTUAL NUMBER OF TENTS AND GLOVEBOGS USED. ASSUME TENT SIZE TO BE APPROXIMATELY 15'X10'X10.
6. ALL PIPE AND FITTING INSULATION REMOVAL SHALL BE PERFORMED.
 - a) WITHIN A FULL CONTAINMENT WORK AREA:
 - b) IN ACCORDANCE WITH HCR 56-7.11 (1) (1) "NEGATIVE PRESSURE TEST REGULATED ABATEMENT WORK AREA ENCLOSURE" OR;
 - c) IN ACCORDANCE WITH A SPECIFIC VARIANCE WHICH IS GRANTED BY THE NYSOOL AND APPROVED BY THE OWNER AND ARCHITECT.
7. LIMITED AREAS OF DAMAGED INSULATION AND ASSOCIATED DEBRIS SHALL BE IDENTIFIED AND REMOVED TO PREVENT FURTHER TO AVOID DISTURBANCE OF ANY DEBRIS UNTIL THE WORK AREA IS ESTABLISHED. REMOVE AND DISPOSE OF ALL INSULATION DEBRIS TO PREVENT GENERAL VICINITY OF SCHEDULED PIPE INSULATION REMOVAL.

Legend

- A REMOVE ACM PPEFFITTING INSULATION IN ENTIRETY FROM THE INDICATED AREA
 - B REMOVE BOILER BREECING IN ITS ENTIRETY. ACM BOILER FLUE INSULATION PRESUMED TO BE CONCEALED WITHIN JACKETING.
- ## Asbestos Abatement General Notes
1. CONTRACTOR PERFORMING ANY AND ALL ASBESTOS ABATEMENT WORK SHALL BE A NYSDOL LICENSED ASBESTOS CONTRACTOR.
 2. PERFORM ALL WORK IN ACCORDANCE WITH SPECIFICATION SECTION 02 82 00 - ASBESTOS ABATEMENT.
 3. ASBESTOS CONTAINING MATERIALS SHALL BE ABATED IN ACCORDANCE WITH THE DRAWINGS AND SECTION 02 82 00 PRIOR TO ANY GENERAL DEMOLITION WORK THAT COULD DISTURB THOSE MATERIALS.
 4. DO NOT SCALE DRAWINGS.
 5. COORDINATE ALL WORK WITH OTHER CONTRACTORS.
 6. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY AND ALL VARIANCES FROM INDUSTRIAL CODE RULE 56, WHICH ARE DESIRED OR NECESSARY TO PERFORM THE WORK.
 7. REMOVE ALL ABATED MATERIALS FROM THE WORK AREA AND /OR BUILDING IN SEALED BAGS, DRUMS OR PLASTIC SHEETING.
 8. WHERE INTERIOR ABATEMENT OCCURS, ISOLATE THE WING OR MAJOR SECTION OF THE BUILDING, FROM OCCUPIED PORTIONS OF THE BUILDING WITH SEALED ISOLATION BARRIERS CONSTRUCTED OF NON-COMBUSTIBLE MATERIALS. THE ISOLATED PORTION OF THE BUILDING MUST CONTAIN EXITS THAT DO NOT PASS THROUGH THE OCCUPIED PORTION OF THE BUILDING AND VENTILATION SYSTEMS SHALL BE PHYSICALLY SEPARATED AND SEALED AT THE ISOLATION BARRIER.

Lead Safe Work Practices

1. EACH PRIME CONTRACTOR IS RESPONSIBLE FOR THEIR OWN WORK WHICH WILL DISTURB LEAD PAINTED OR CONTAINING MATERIALS.
2. LEAD BASED PAINT HAS BEEN IDENTIFIED ON:
 - a. NONE
3. PERFORM ALL WORK THAT WILL DISTURB LBP IN ACCORDANCE WITH SECTION 02 83 00 - LEAD-SAFE WORK PRACTICES.



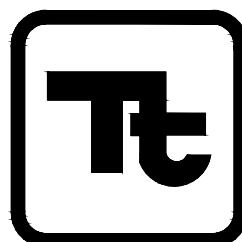
Key Plan

S.E.D. Control No: 48-01-01-06-5-010-009

Rev. No.:	Date:	Description:
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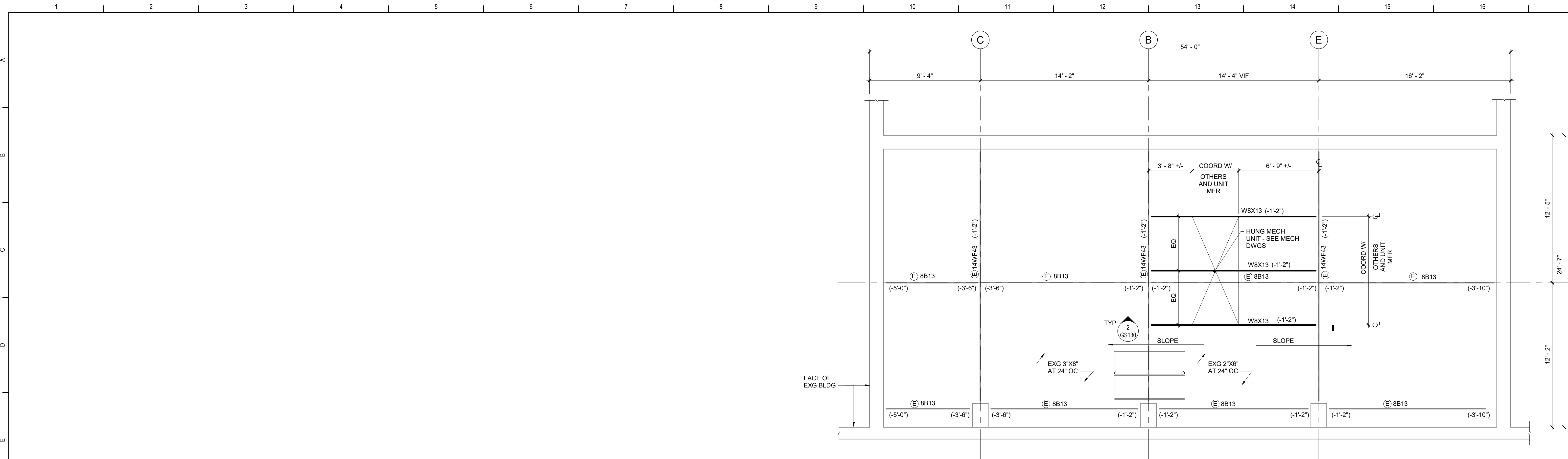
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Mahopac Central School District
Mahopac, NY

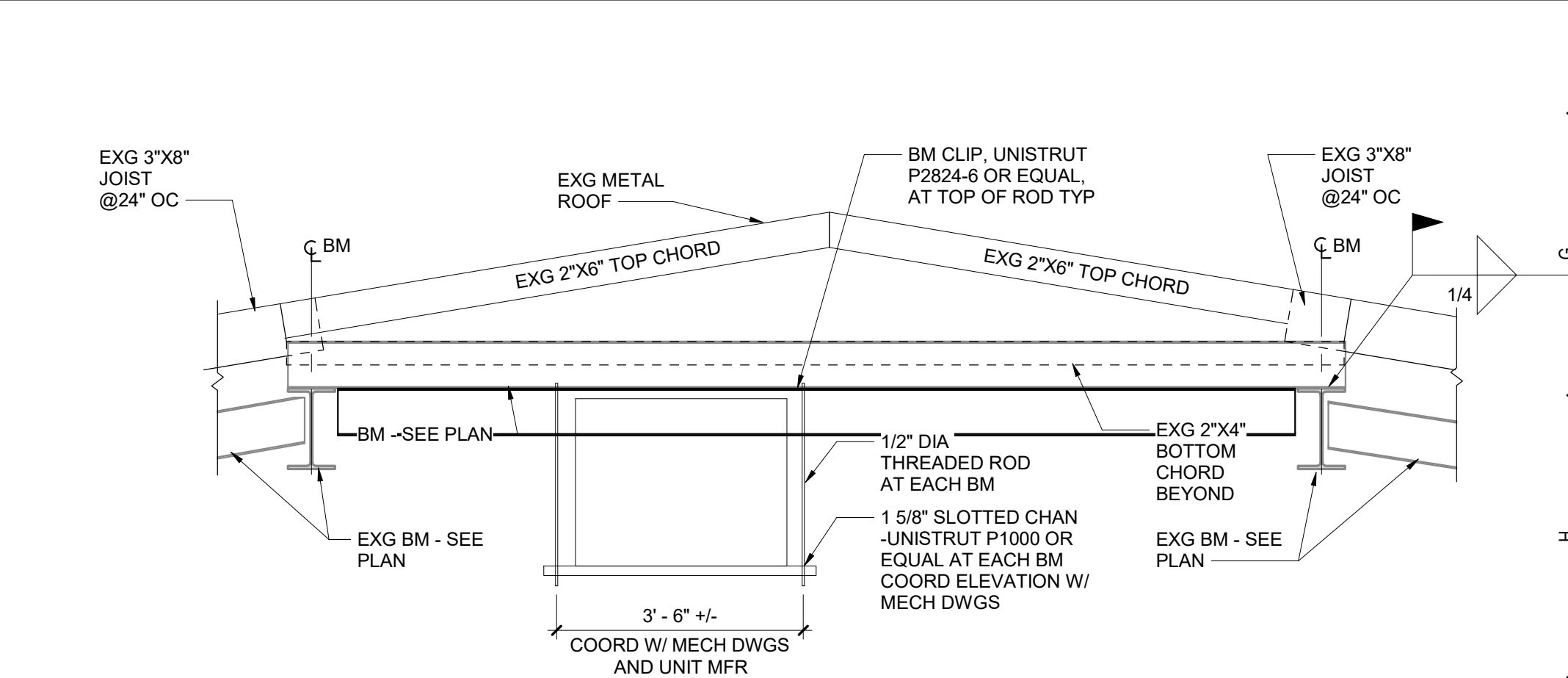
Reconstruction to:
Mahopac Bus Garage

First Floor Abatement Plan

Drawn by: TJT	Date: 8/21/20	Drawing No.: <div style="font-size: 2em; font-weight: bold;">GH100</div>
Project No.: <div style="font-size: 1.5em; font-weight: bold;">121111-19002</div>		



1 Partial Framing Plan
1/4" = 1'-0"
DATUM FOR EXG TOS IS AT 115'-8" VIF



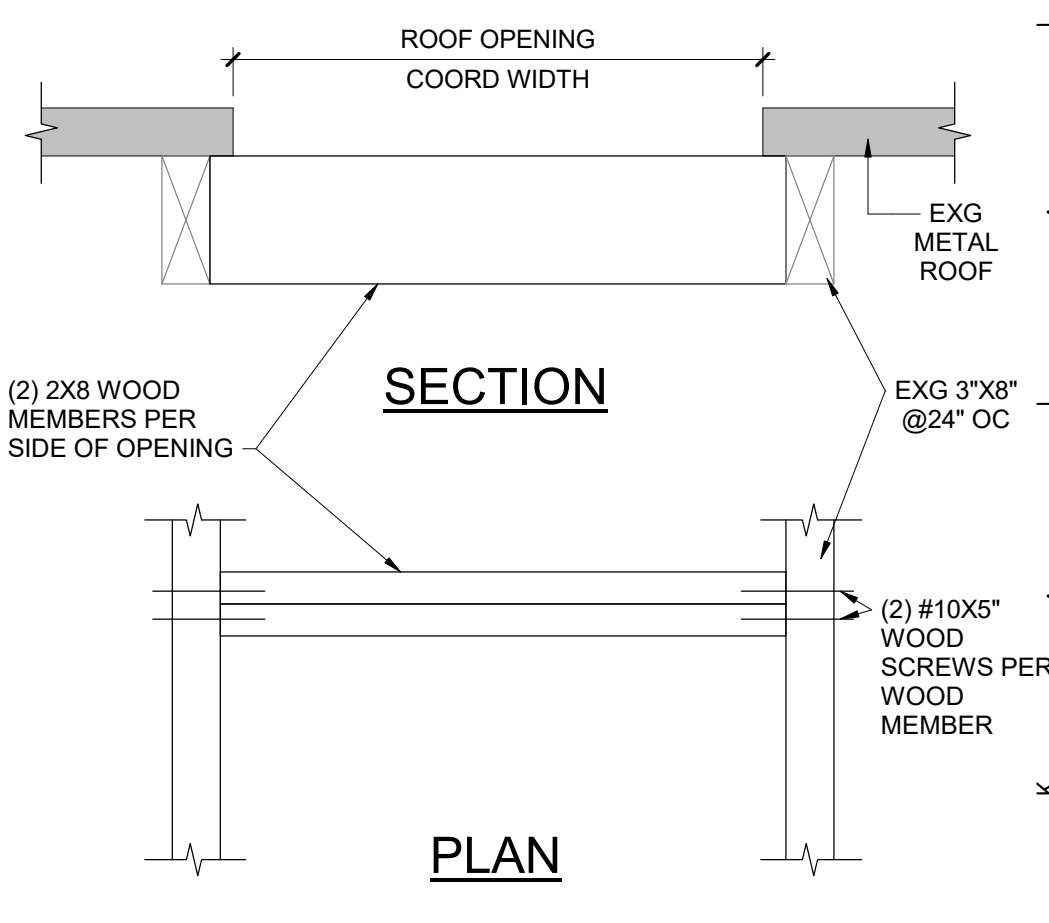
2 Section at Hung Mech Unit
1/2" = 1'-0"

1. FOR 4" THICK WALLS	
MASONRY OPENING UP TO 6'-4"	LINTEL ANGLE MT 6X5.9
2. FOR 8" THICK WALLS	
MASONRY OPENING (5)	LINTEL ANGLE
5'-0"	2- L3 1/2X2 1/2X5/16
6'-0"	2- L3X2 1/2X5/16 LLV
7'-0"	2- L3 1/2X2 1/2X5/16 LLV
8'-0"	2- L3 1/2X2 1/2X5/16 LLV
3. FOR 8", 12", AND 16" THICK WALLS: FOR EACH 4" THICKNESS OF WALL	
MASONRY OPENING (5)	LINTEL ANGLE
5'-0"	L3 1/2X3 1/2X5/16
6'-0"	L4X3 1/2X 5/16 LLV
7'-0"	L6X3 1/2X5/16 LLV
8'-0"	L6X3 1/2X5/16 LLV
9'-0"	L6X3 1/2X5/16 LLV
10'-0"	L6X3 1/2X5/16 LLV

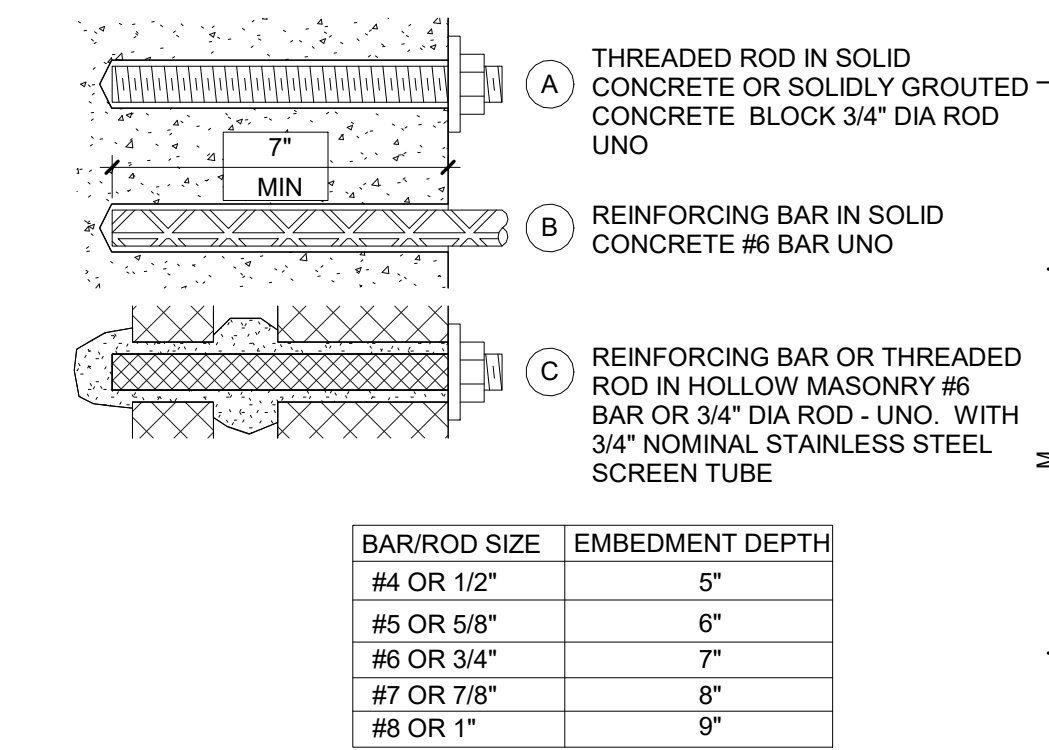
LINTEL NOTES

- ALL OPENINGS 1'-0" AND OVER REQUIRE LINTELS.
- STEEL TO BE A36.
- THIS SCHEDULE IS TYPICAL FOR ALL MASONRY OPENINGS IN NON-LOAD BEARING WALLS UNLESS OTHERWISE NOTED.
- ALL LINTELS TO HAVE MINIMUM 8" BEARING BOTH ENDS.
- BACK TO BACK ANGLES ARE TO BE STITCH WELDED TOGETHER BEFORE PLACEMENT.
- ALL LINTELS ARE TO HAVE BOTH ENDS BEAR ON SOLID MASONRY OR SOLIDLY GROUTED HOLLOW MASONRY.
- WHERE MINIMUM 8" BEARING LENGTH CANNOT BE PROVIDED DUE TO COLUMN INTERFERENCE, PROVIDE CONNECTION OF LINTEL TO COLUMN.
- THIS LINTEL SCHEDULE IS APPLICABLE FOR USE IN EXISTING BUILDING, SHORE EXISTING STRUCTURE AND WALL AS REQD FOR INSTALLATION OF NEW MAS AND LINTEL. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF OPENINGS.

5 Lintel Schedule
1/2" = 1'-0"



3 Typ Roof Frame for New Opng at Exg
1" = 1'-0"



4 Typical Chemical Anchors
3" = 1'-0"

NOTES

1. DIMENSIONS AND ELEVATIONS SHOWN ON PLANS AS PLUS/MINUS (+/-) AND VIF ARE TO BE CONSIDERED APPROXIMATE. EXACT VALUES FOR ALL (+/-) AND VIF DIMENSIONS ARE TO BE DETERMINED BY THE CONTRACTOR IN THE FIELD THROUGH A PRELIMINARY BUILDING LAYOUT. CONTRACTOR TO VERIFY EXISTING DIMENSIONS, ELEVATIONS AND CONDITIONS AND NOTIFY A/E OF ANY DISCREPANCIES PRIOR TO COMMENCING WORK. COORDINATE INFORMATION WITH OTHER TRADES.

2. PROVIDE ALL ROOF AND FLOOR OPENING FRAMES PER DIV 06 SPEC. COORDINATE QUANTITIES, LOCATION, AND SIZE OF OPENINGS WITH OTHERS AND MECH, PLBG, AND ARCH DWGS.

STRUCTURAL LOADS

A. ROOF LOADS PER BCNYS 1607.13
MINIMUM ROOF LIVE LOAD 20 PSF

B. RAIN LOAD PER BCNYS 1611
RAIN INTENSITY 2.75 IN/HR

RAIN SURCHARGE LOAD HAS BEEN APPLIED TO AREAS WHERE PONDING OCCURS IN ACCORDANCE WITH BCNYS 1611.1.

B. SNOW LOADS PER BCNYS 1608
GROUND SNOW LOAD, Pg (FIGURE 1608.2) 30 PSF
FLAT ROOF SNOW LOAD, Pf (ASCE-7) 23 PSF
SNOW EXPOSURE FACTOR, Ce 1.0
THERMAL FACTOR, Ct 1.0
SNOW LOAD IMPORTANCE FACTOR, Is 1.1

ADDITIONAL SNOW LOADS HAVE BEEN APPLIED TO AREAS WHERE DRIFTING OCCURS IN ACCORDANCE WITH BCNYS 1608.

C. WIND LOAD DESIGN CRITERIA PER BCNYS 1609
BASIC DESIGN WIND SPEED (3 SECOND GUST), V 120 MPH
ALLOWABLE STRESS DESIGN WIND SPEED, V_{asd} 92.95 MPH
RISK CATEGORY III
EXPOSURE CATEGORY B
INTERNAL PRESSURE COEFFICIENT, GCPI +/- 0.16

D. SEISMIC DESIGN CRITERIA PER BCNYS 1613
RISK CATEGORY III
SEISMIC IMPORTANCE FACTOR I_e 1.25
MAPPED SPECTRAL RESPONSE ACCELERATION AT SHORT PERIODS, S_s 23.3%g
AT 1 SECOND PERIOD, S₁ 6.9%g
SITE CLASS D
DESIGN SPECTRAL RESPONSE ACCELERATION AT SHORT PERIODS, S_{ds} 24.96%g
AT 1 SECOND PERIOD, S_{d1} 11.0%g
SEISMIC DESIGN CATEGORY B

Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-5-010-009

Rev. No.	Date	Description

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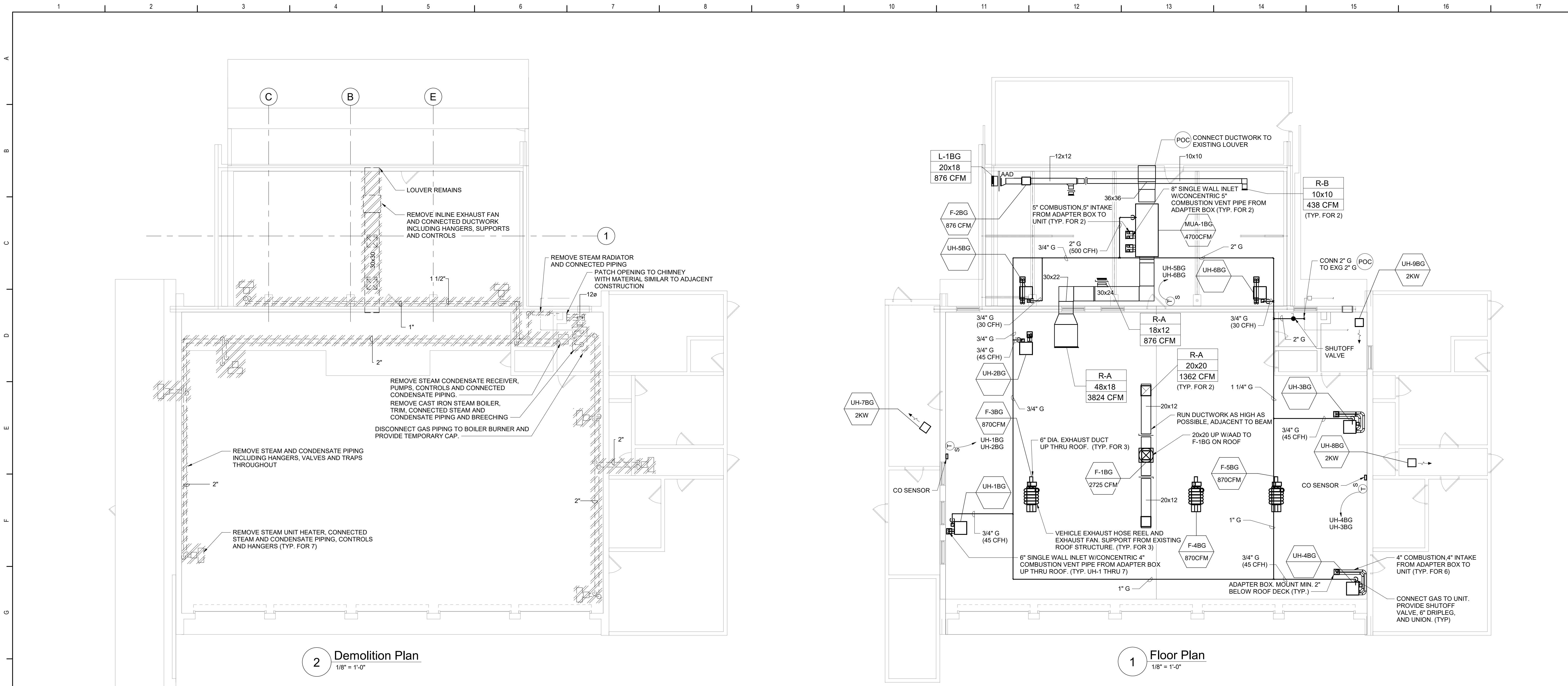
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Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac Bus Garage

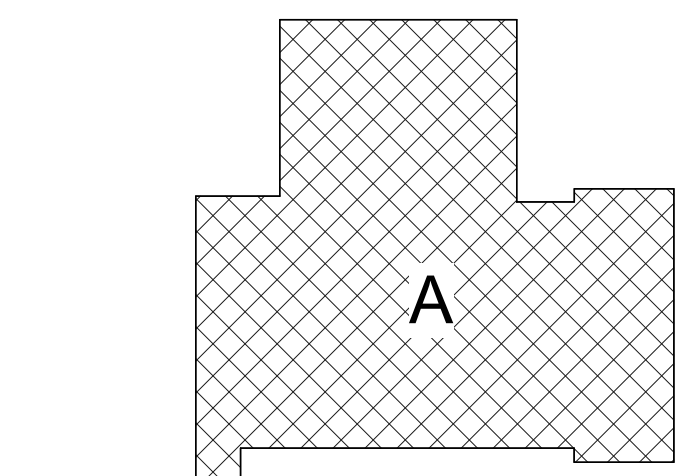
Roof Framing Plan

Drawn By: DJB/kjr	Date: 08/21/20	Drawing Number: GS130
Project No.: 121111-19002		

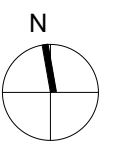


GENERAL NOTES:

1. THE FOLLOWING GENERAL NOTES APPLY TO ALL "GM" SERIES DRAWINGS.
2. REFER TO ALL CONTRACT DOCUMENTS, DRAWINGS AND SPECIFICATIONS, FOR DETAILED STANDARDS AND REQUIREMENTS.
3. REPORT UNSAFE OR UNSATISFACTORY CONDITIONS IN WRITING TO OWNER AND ENGINEER AND RESOLVE ISSUES BEFORE PROCEEDING.
4. WORK INCLUDES ALL LABOR AND MATERIALS REQUIRED TO PROVIDE COMPLETE WORKING SYSTEMS.
5. COORDINATE PHASING REQUIREMENTS AT JOB MEETINGS AND ON WORK SCHEDULES.
6. DO NOT SCALE DRAWINGS. PIPING AND DUCTWORK ARE SHOWN DIAGRAMMATICALLY. IT IS NOT POSSIBLE TO SHOW EVERY TRANSITION, FITTING, ASPECT RATIO CHANGE, ETC.; PROVIDE AS REQUIRED TO FIT WITHIN STRUCTURAL CONSTRAINTS. EXAMINE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED AND VERIFY ALL ACCESS, LOCATIONS, DIMENSIONS, ARRANGEMENTS, ELECTRICAL CHARACTERISTICS AND INTERFERENCE IN THE FIELD PRIOR TO BID.
7. VERIFY EXTENT OF CEILING WORK SHOWN ELSEWHERE IN THE CONTRACT DOCUMENTS. PROVIDE FOR ADDITIONAL CEILING SYSTEM REMOVAL, PROTECTION, AND REINSTALLATION AS REQUIRED FOR CONTRACT WORK.
8. DEMOLITION DRAWINGS SHOW THE GENERAL SCOPE OF ITEMS AND SYSTEMS TO BE REMOVED. IT IS NOT THE INTENT TO SHOW ALL ITEMS TO BE REMOVED. FIELD VERIFY AND REMOVE ALL ASSOCIATED ITEMS BACK TO POINT OF CONTINUED SERVICE, UNLESS OTHERWISE NOTED. VERIFY WHAT ALL EQUIPMENT SERVES PRIOR TO REMOVAL.
9. GIVE ALL REMOVED EQUIPMENT TO THE OWNER. DELIVER ON SITE WHERE DESIGNATED BY THE OWNER. PROMPTLY REMOVE FROM THE SITE AND LEGALLY DISPOSE OF ANY SUCH ITEMS DECLINED BY OWNERS.
10. IF UNANTICIPATED MECHANICAL, ELECTRICAL, OR STRUCTURAL CONFLICTS ARE ENCOUNTERED, INVESTIGATE AND REPORT BOTH NATURE AND EXTENT OF THE CONFLICT. RE-ROUTE WORK AS REQUIRED.
11. CUT, DRILL, OR OTHERWISE CREATE OPENINGS AS NEATLY AS POSSIBLE, AS REQUIRED FOR THE INDICATED CONTRACT WORK. PROVIDE SUPPORT AS REQUIRED FOR AND USE METHODS LEAST LIKELY TO DAMAGE ELEMENTS TO REMAIN. PRIOR TO WORK, VERIFY LOCATIONS OF ALL STRUCTURAL MEMBERS INCLUDING CROSS BRACING, ELECTRICAL WIRING, PLUMBING, ETC. PROMPTLY NOTIFY ARCHITECT OF ANY CONFLICTS. DO NOT CUT ANY STRUCTURAL MEMBERS OR OTHER SERVICES UNTIL SPECIFICALLY DIRECTED TO DO SO, PENDING RECEIPT OF DIRECTIVE; REARRANGE SCHEDULE AS NECESSARY TO CONTINUE OVERALL JOB PROGRESS WITHOUT DELAY.
12. PATCH ALL DISTURBANCES RESULTING FROM DEMOLITION OR NEW WORK TO MATCH SURROUNDING SURFACES. PATCH FOLLOWING DEMOLITION, AND AGAIN FOLLOWING WORK, WHERE HOLES REMAIN FROM REMOVALS. INFILL AND PATCH TO MATCH UNLESS HOLE IS TO BE REUSED.
13. PROTECT ALL CONTRACT EQUIPMENT, ELEMENTS TO REMAIN, OWNER'S BELONGINGS, AND EQUIPMENT TO BE REUSED OR RETAINED BY OWNER DURING ALL CONTRACT WORK. AT NO ADDITIONAL COST TO OWNER, REPAIR OR REPLACE ITEMS WHICH ARE DAMAGED.
14. THOROUGHLY CLEAN FOLLOWING DEMOLITION AND BEFORE BEGINNING CONTRACT INSTALLATIONS. THOROUGHLY CLEAN AGAIN DURING AND FOLLOWING CONTRACT WORK AS REQUIRED. LEAVE ALL WORK AREAS CLEANER THAN FOUND. LEGALLY DISPOSE OF ALL CONSTRUCTION DEBRIS.
15. PROVIDE TEMPORARY PIPING, DUCT, HEAT, WEATHERPROOFING, ETC. TO SERVICES TO REMAIN UNTIL PERMANENT INSTALLATIONS CAN BE MADE.
16. ALL EXCESS MATERIALS AND SCRAPS ARE CONTRACTOR'S PROPERTY. PROMPTLY REMOVE FROM SITE UNLESS SPECIFICALLY DIRECTED OTHERWISE.
17. SEAL ALL FLOOR, WALL AND CEILING PENETRATIONS PER FIRE-RESISTANCE RATINGS NOTED ON CC-SERIES DRAWINGS, BUT NOT LESS THAN 1-HOUR, AND IN ACCORDANCE WITH SECTION 07 04 13 - PENETRATION FIRESTOPPING. THIS INCLUDES ALL NEW PENETRATIONS AND EXISTING UNFIRESTOPPED PENETRATIONS CREATED BY REMOVALS, AS REQUIRED TO PERFORM THE WORK.



Key Plan
N.T.S.



S.E.D. Control No. 48-01-01-06-5-010-009

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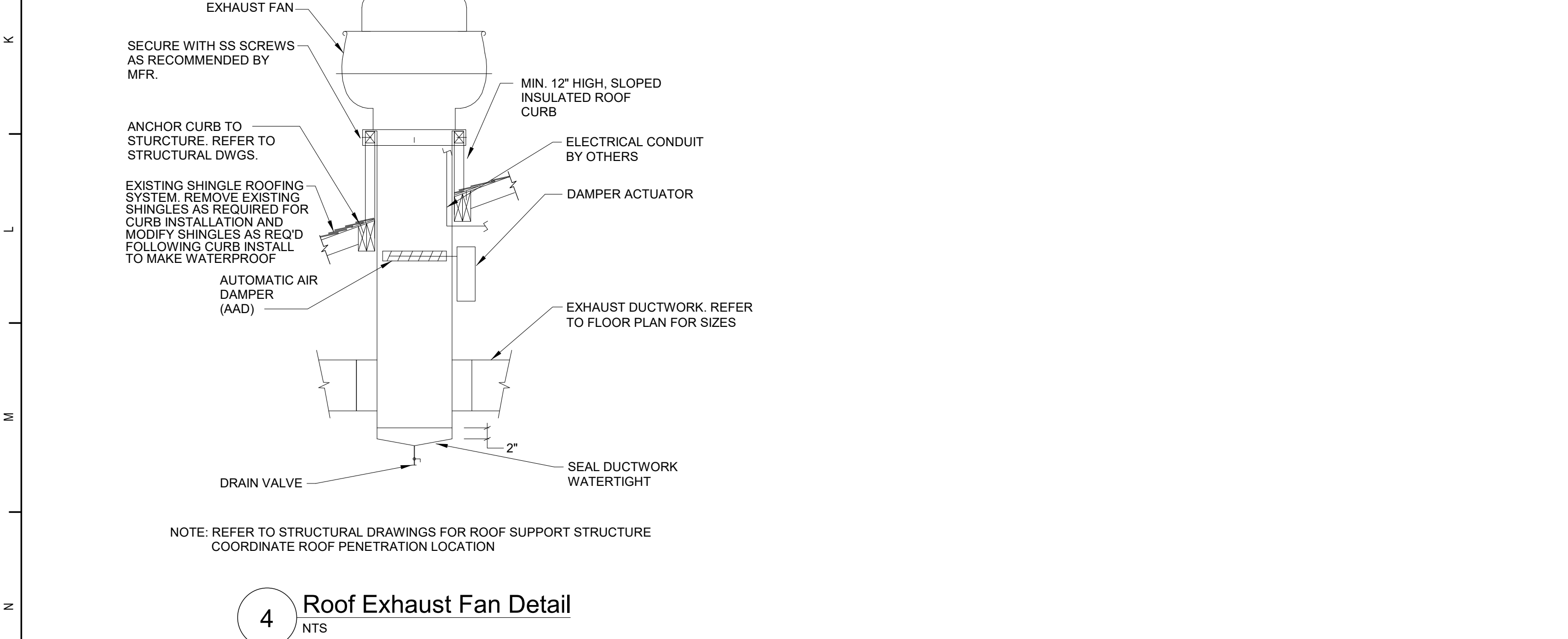
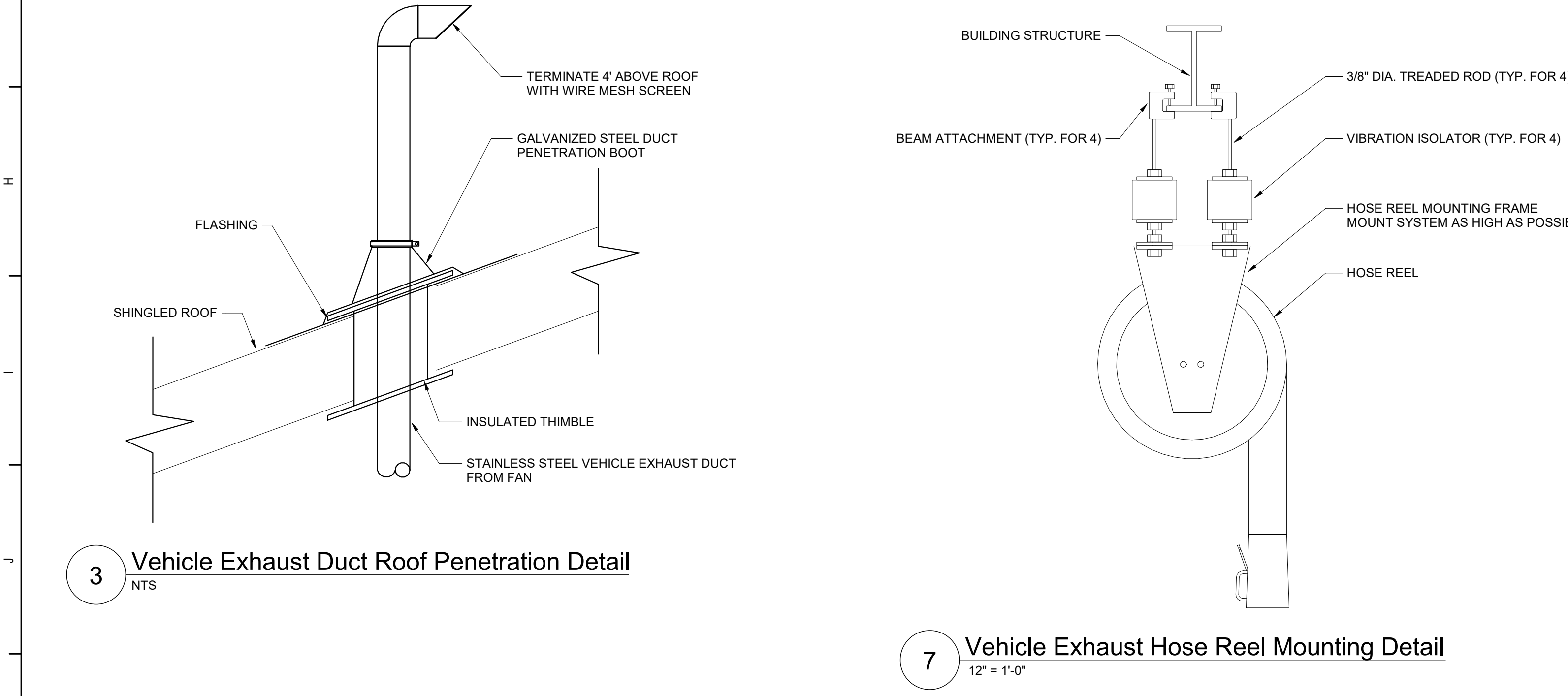
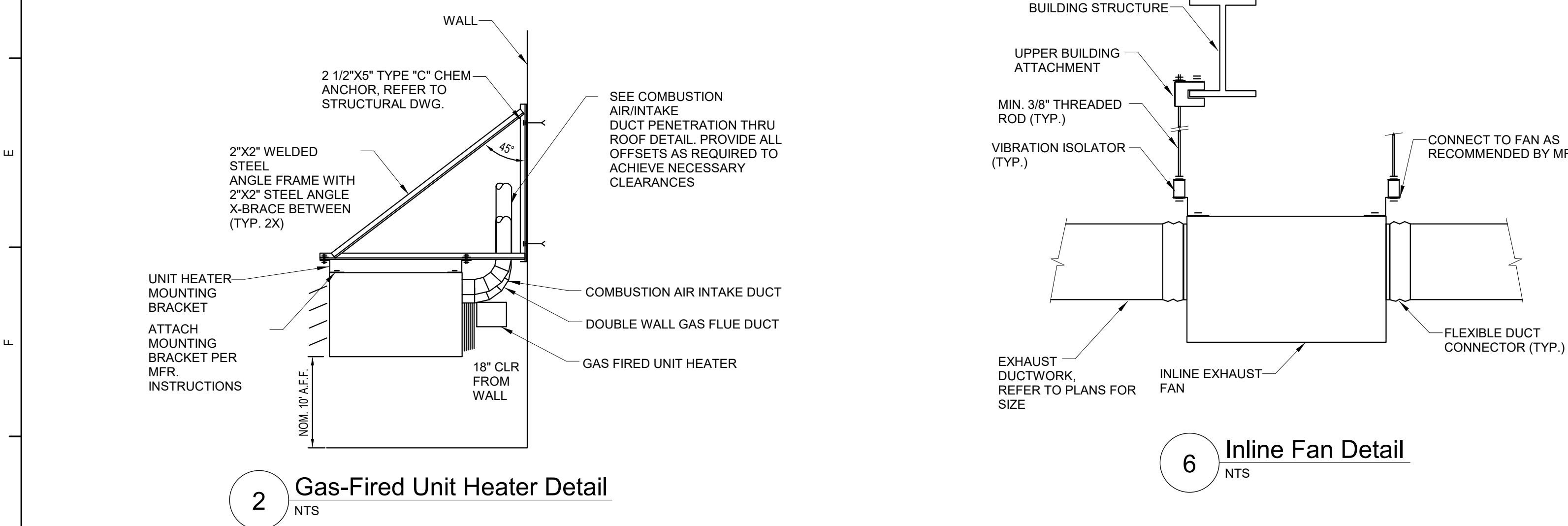
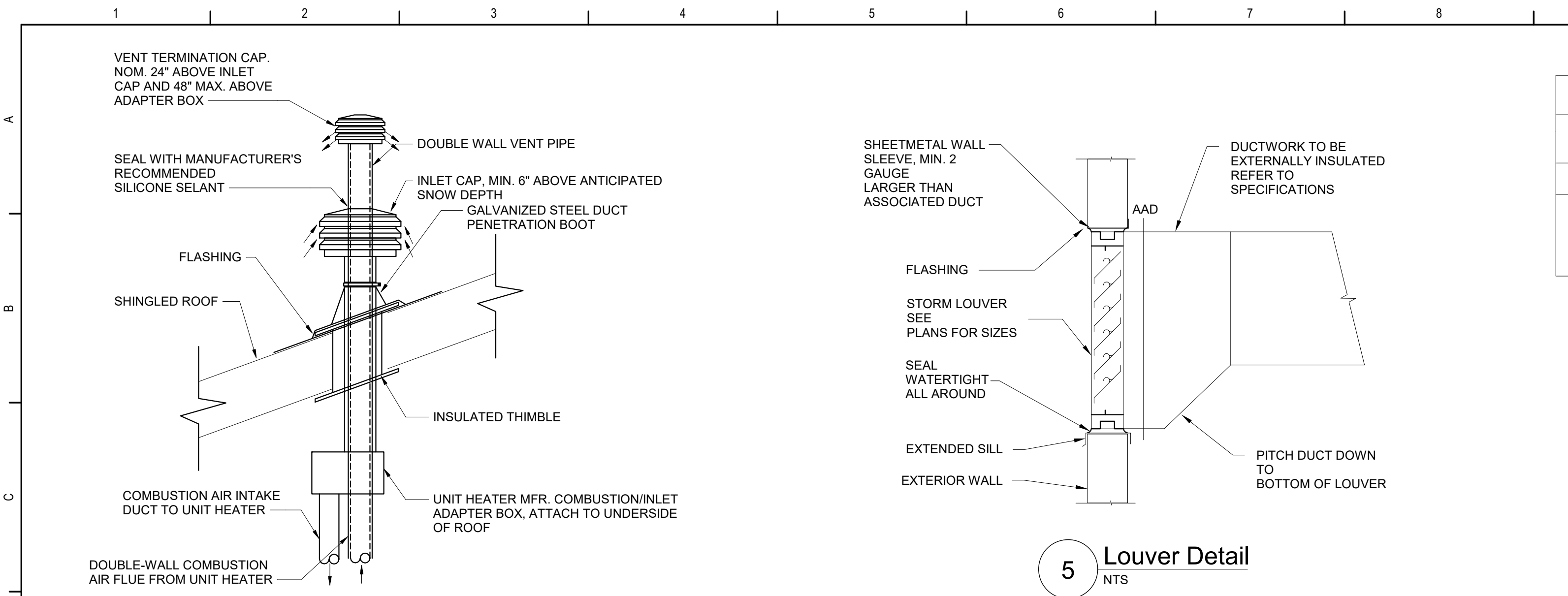


Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac Bus Garage

Floor Plans

Drawn By: DPM/jtk Date: 8/21/20 Drawing Number: GM130
Project No.: 121111-19002



MAKE-UP AIR UNIT (MUA) SCHEDULE															
EQUIP NO.	LOCATION	MODEL	SERVES	AIR QUANTITY		GAS HEAT				ESP (IN. WG.)	TSP (IN. WG.)	FAN MOTOR HP	VOLTAGE	PHASE	NOTES
				TOTAL AIRFLOW	INPUT (MBH)	OUTPUT CAP. (MBH)	EAT (°F)	LAT (°F)							
MUA-1BG	REAR GARAGE	SSCBL-500	REPAIR GARAGE	4700CFM	500	400	10.0	88.0		1.5	1.6	3	208	3	1,2,3,4

NOTES:
1. NATURAL GAS, MODULATING BURNER.
2. PROVIDE UNIT MANUFACTURER'S VERTICAL VENT KIT FOR THRU THE ROOF APPLICATION.
3. PROVIDE FACTORY FURNISHED VARIABLE SPEED DRIVE AND DISCONNECT SWITCH.
4. PROVIDE CONTROL TERMINAL STRIP FOR BMS CONTROL INTERFACE.

UNIT HEATER (UH) SCHEDULE														
DWG LABEL	LOCATION	MODEL	MANUFACTURER	NOM. MOUNTING HEIGHT (FT.)	AIRSIDE DATA				CAPACITY		ELECTRICAL			NOTES
					EAT (°F)	LAT (°F)	AIRFLOW (CFM)	INPUT (MBH)	OUTPUT (MBH)	MCA	VOLTAGE	PHASE		
UH-1BG	GARAGE BAY	UDAS 45	REZNOR	10.0	65.0	119.0	629.0	45.0	37.4	15	115	1	1,2,3,4,7	
UH-2BG	GARAGE BAY	UDAS 45	REZNOR	10.0	65.0	119.0	629.0	45.0	37.4	15	115	1	1,2,3,4,7	
UH-3BG	GARAGE BAY	UDAS 45	REZNOR	10.0	65.0	119.0	629.0	45.0	37.4	15	115	1	1,2,3,4,7	
UH-4BG	GARAGE BAY	UDAS 45	REZNOR	10.0	65.0	119.0	629.0	45.0	37.4	15	115	1	1,2,3,4,7	
UH-5BG	REAR GARAGE	UDAS 30	REZNOR	10.0	65.0	115.0	456.0	30.0	24.6	15	115	1	1,2,3,4,7	
UH-6BG	REAR GARAGE	UDAS 30	REZNOR	10.0	65.0	115.0	456.0	30.0	24.6	15	115	1	1,2,3,4,7	
UH-7BG	OIL TANK AREA	EGHB-2-AK2	REZNOR	7.0	65.0	85.0	510.0		2 kW	15	208	1	3,5,6	
UH-8BG	CORRIDOR	EGHB-2-AK2	REZNOR	7.0	65.0	85.0	510.0		2 kW	15	208	1	3,5,6	
UH-9BG	BOILER ROOM	EGHB-2-AK2	REZNOR	7.0	65.0	85.0	510.0		2 kW	15	208	1	3,5,6	

NOTES:

1. NATURAL GAS, SINGLE STAGE BURNER.

2. PROVIDE UNIT MANUFACTURER'S VERTICAL VENT KIT FOR THRU THE ROOF APPLICATION.

3. PROVIDE FACTORY FURNISHED DISCONNECT SWITCH.

4. PROVIDE FACTORY MOUNTING HANGER BRACKET.

5. PROVIDE WITH MANUFACTURER'S STANDARD WALL MOUNTING BRACKET.

6. PROVIDE WITH MANUFACTURER'S STANDARD INTEGRAL THERMOSTAT.

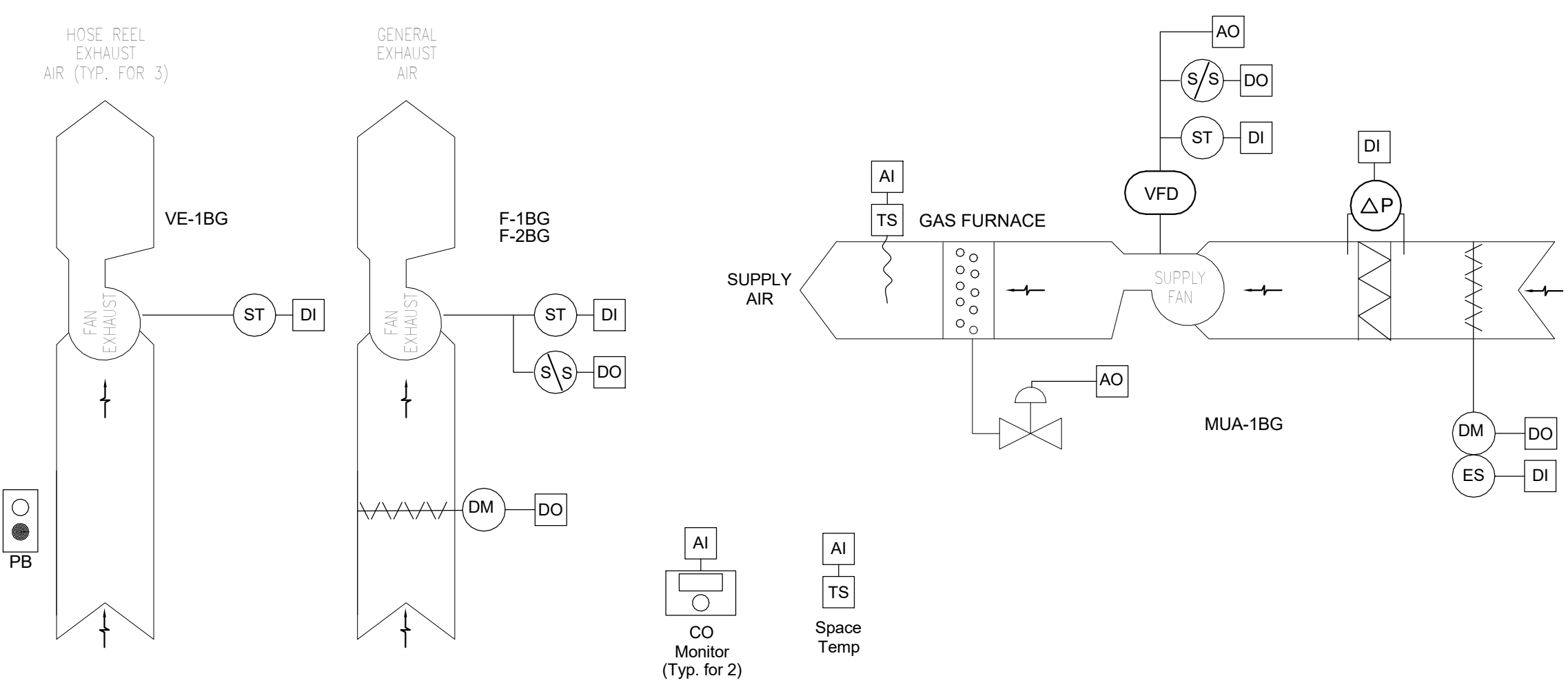
7. PROVIDE UNIT MANUFACTURER'S STANDARD WALL-MOUNTED SINGLE STAGE, 24V THERMOSTAT.

FAN (F) SCHEDULE												
EQUIP NO.	LOCATION	MODEL	MANUFACTURER	AIRFLOW (CFM)	SONES	FAN DATA				ELECTRICAL		NOTES
						ESP (IN WG)	DRIVE	MOTOR RPM	HP	VOLTAGE	PHASE	
F-1BG	ROOF	180R8B	LOREN COOK	2725	15.9	1.5	BELT	1725	1 1/2	208	3	1, 2, 3
F-2BG	REAR GARAGE	120SQN100	LOREN COOK	876	4.8	.15	DIRECT	1050	1/6	115	1	2, 3, 4
F-3BG	REPAIR BAYS	CMW-11	CAR-MON	870	24	4.0	DIRECT	1250	1	208	3	3, 5
F-4BG	REPAIR BAYS	CMW-11	CAR-MON	870	24	4.0	DIRECT	1250	1	208	3	3, 5
F-5BG	REPAIR BAYS	CMW-11	CAR-MON	870	24	4.0	DIRECT	1250	1	208	3	3, 5

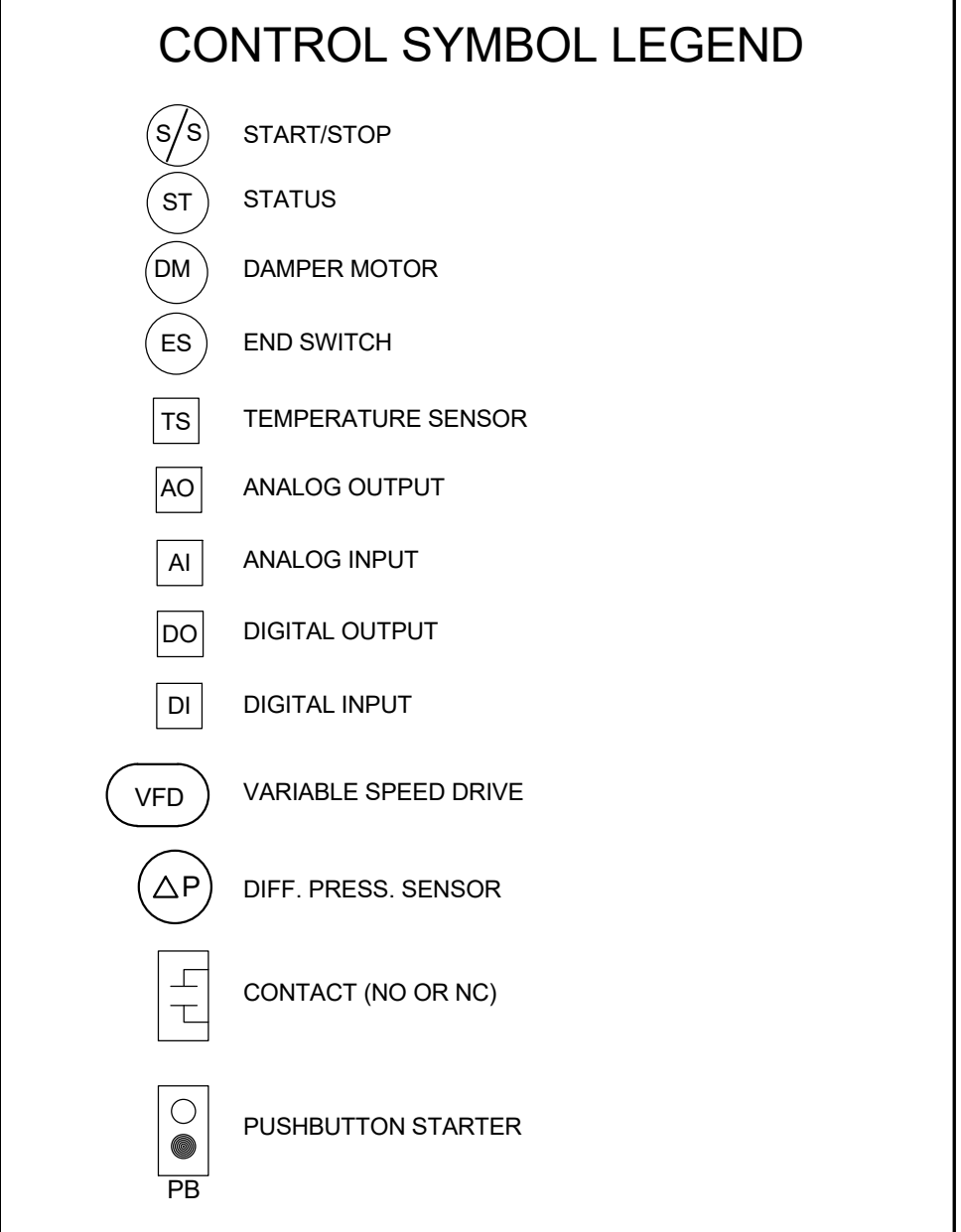
NOTES:
1. PROVIDE MANUFACTURER'S STANDARD ALUMINUM, INSULATED ROOF CURB FOR SLOPED ROOF.
2. PROVIDE MANUFACTURER'S STANDARD HAND-OFF-AUTO SWITCH.
3. PROVIDE MANUFACTURER'S STANDARD DISCONNECT SWITCH.
4. PROVIDE MANUFACTURER'S STANDARD FAN SPEED SWITCH FOR BALANCING.
5. PROVIDE MANUFACTURER'S FAN STARTER. FAN STARTS VIA MANUAL PUSHBUTTON

LOUVER (L) SCHEDULE												
TAG	SERVES	MODEL	TYPE	WIDTH (IN)	HEIGHT (IN)	DEPTH (IN)	FREE AREA (S.F.)	AIRFLOW	VELOCITY (FPM)	MAX APD (IN WG)	NOTES	
L-1BG	F-2BG	ELF375DXH	EXHAUST	20	18	4	1.0	876 CFM	876	0.075	1,2,3	

NOTES:
1. DESIGN MAKE: RUSKIN
2. PROVIDE WITH ALUMINUM INSECT SCREEN.
3. ANODIZED FINISH. SUBMIT MANUFACTURER'S COLOR CHART FOR APPROVAL BY ARCHITECT.



- GENERAL: PROVIDE A LOCAL BMS CONTROLLER WITH GRAPHIC USER INTERFACE (GUI) FOR OPERATOR MONITORING, SCHEDULING, ALARMS AND TEMPERATURE SETPOINT ADJUSTMENT. LOCATE CONTROLLER/GUI IN LOCATION APPROVED BY OWNER. PROVIDE A WIRELESS ROUTER FOR COMMUNICATION TO DISTRICT BMS SYSTEM.
- OCCUPIED MODE:
 - THE MAKE-UP AIR UNIT AND GENERAL EXHAUST FAN (F-1BG), WILL RUN BASED ON OPERATOR ADJUSTABLE SCHEDULE.
 - MUA-1BG OUTSIDE AIR DAMPER AND F-1BG EXHAUST DAMPER SHALL BE OPEN ANYTIME THE UNITS ARE IN OPERATION.
 - WHEN F-1BG IS ON, MUA-1BG SUPPLY AIR VARIABLE SPEED DRIVE (VSD) SHALL MODULATE TO MEET 90% OF THE AIRFLOW QUANTITY OF F-1BG.
 - THE CONTROLLER SHALL MONITOR THE OVERHEAD DOOR POSITION. IF ANY OVERHEAD DOOR REMAINS OPEN FOR TEN (10) CONTINUOUS MINUTES, MUA-1BG OUTSIDE AIR DAMPER SHALL CLOSE AND MUA-1A SHALL STOP.
 - UPON A FALL IN SPACE TEMPERATURE AS SENSED BY ITS RESPECTIVE THERMOSTAT, ENABLE UNIT HEATER AND OPEN GAS BURNER VALVE AS REQUIRED TO MAINTAIN SPACE TEMPERATURE SETPOINT.
- THE CONTROLLER SHALL MONITOR MUA-1 SUPPLY AIR TEMPERATURE AND SHALL MAINTAIN SUPPLY AIR TEMPERATURE SETPOINT.
 - AS THE OUTSIDE AIR TEMPERATURE DROPS FROM 85 DEG. F. (ADJ.) TO 20 DEG. F. (ADJ.), THE SUPPLY AIR TEMPERATURE SETPOINT SHALL RESET UPWARD FROM 55 DEG. F. TO 95 DEG. F. (ADJ.).
 - THE CONTROLLER SHALL MEASURE THE SUPPLY AIR TEMPERATURE AND MODULATE THE GAS BURNER VALVE TO MAINTAIN ITS HEATING SETPOINT.
 - HEATING SHALL BE ENABLED WHENEVER: THE OUTSIDE AIR TEMPERATURE IS LESS THAN 65 DEG. F. (ADJ.) FAN STATUS IS ON, THE SUPPLY AIR TEMPERATURE IS BELOW HEATING SETPOINT AND OVERHEAD DOORS ARE CLOSED.
 - GARAGE SPACE TEMPERATURE SHALL BE MONITORED.
- EXHAUST FANS ASSOCIATED WITH HOSE REELS SHALL BE MANUALLY STARTED.
 - UPON ACTIVATION OF A HOSE REEL FAN, MUA-1BG VSD SHALL INCREMENTALLY INCREASE ITS OUTPUT TO MEET 90% OF THE COMBINED EXHAUST AIRFLOW QUANTITY. THE REVERSE SHALL OCCUR AS HOSE REEL FANS ARE TURNED OFF.
- UNOCCUPIED MODE:
 - CLOSE OUTSIDE AIR AND EXHAUST AIR DAMPERS, DISABLE MUA-1BG AND F-1BG.
 - UPON A FALL IN SPACE TEMPERATURE AS SENSED BY ITS RESPECTIVE THERMOSTAT, ENABLE UNIT HEATER AND OPEN GAS BURNER VALVE AS REQUIRED TO MAINTAIN SPACE TEMPERATURE SETPOINT.
- ALARMS AND SAFETIES:
 - THE CONTROLLER SHALL MONITOR FILTER STATUS. ALARM IF DIFFERENTIAL PRESSURE EXCEEDS A USER DEFINABLE LIMIT (ADJ.).
 - HIGH SUPPLY AIR TEMPERATURE: IF SUPPLY AIR TEMPERATURE IS GREATER THAN 120 DEG. F. (ADJ.).
 - LOW SUPPLY AIR TEMPERATURE: IF SUPPLY AIR TEMPERATURE IS LESS THAN 45 DEG. F. (ADJ.).
 - CARBON MONOXIDE SENSOR: ALARM IF CO LEVEL IS GREATER THAN 700 PPM FOR FIVE MINUTES (ADJ.).



S.E.D. Control No. 48-01-01-06-5-010-009

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BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac Bus Garage

Schedules, Details and Controls

Drawn By: DPM Date: 8/21/20 Drawing Number:
Project No.: 12111-19002 **GM131**



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S.E.D. Control No. 48-01-01-06-5-010-009

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<p>Mahopac Central School District Mahopac, NY</p>
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Reconstruction To:
Mahopac Bus Garage

First Floor Demolition and Power Plans

Drawn By: CR	Date: 8/21/20	Drawing Number:
Project No.: 121111-19002		GE160

STRUCTURAL LOADS NOTES

A. LIVE LOADS PER BCNYS 1607
OCCUPANCY OR USE
MECHANICAL ROOMS
UNIFORM
100 PSF

REDUCTION IN LIVE LOADS HAS BEEN APPLIED WHERE PERMITTED PER 1607.11

B. ROOF LOADS PER BCNYS 1607.13
MINIMUM ROOF LIVE LOAD
20 PSF

C. RAIN LOADS PER BCNYS 1611
RAIN INTENSITY, I
2.75 IN/HR

RAIN SURCHARGE LOAD HAS BEEN APPLIED TO AREAS WHERE PONDING OCCURS IN ACCORDANCE WITH IBC SECTION 1611.

D. SNOW LOADS PER BCNYS 1608
GROUND SNOW LOAD, Pg (FIGURE 1608.2)
FLAT ROOF SNOW LOAD, Pf (FIGURE 7)
SNOW EXPOSURE FACTOR, Ce
SNOW LOAD IMPORTANCE FACTOR, Is
THERMAL FACTOR, Ct
SLOPE FACTOR, Cs

ADDITIONAL SNOW LOADS HAVE BEEN APPLIED TO AREAS WHERE DRIFTING OCCURS IN ACCORDANCE WITH BCNYS 1608.

E. WIND LOAD DESIGN CRITERIA PER BCNYS 1609
BASIC DESIGN WIND SPEED (3 SECOND GUST), V
ALLOWABLE STRESS DESIGN WIND SPEED, V_{ASD}
RISK CATEGORY
EXPOSURE CATEGORY
INTERNAL PRESSURE COEFFICIENT, GCPI

F. SEISMIC DESIGN CRITERIA PER BCNYS 1613
RISK CATEGORY
SEISMIC IMPORTANCE FACTOR, I_e
MAPPED SPECTRAL RESPONSE ACCELERATION
AT SHORT PERIODS, S_s
AT 1 SECOND PERIOD, S₁
SITE CLASS
DESIGN SPECTRAL RESPONSE ACCELERATION
AT SHORT PERIODS, S_{ds}
AT 1 SECOND PERIOD, S_{d1}

SEISMIC DESIGN CATEGORY
BASIC SEISMIC-FORCE RESISTING SYSTEM:
(WITH CORRESPONDING RESPONSE MODIFICATION FACTOR, R AND SEISMIC RESPONSE COEFFICIENT, C_s)

1. MOMENT-RESISTING FRAME SYSTEM (TRANSVERSE)
a. ORDINARY STEEL MOMENT FRAMES
R = 3.5, C_s = 0.089

2. BRACE-ROD FRAME SYSTEM (LONGITUDINAL)
b. ORDINARY STEEL CONCENTRICALLY BRACED FRAMES
R = 3.25, C_s = 0.096

MOMENT-FRAME SYSTEM (TRANSVERSE) DESIGN BASE SHEAR, V: 2.4 KIPS
BRACE-ROD SYSTEM (LONGITUDINAL) DESIGN BASE SHEAR, V: 2.6 KIPS
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE

UL DESIGN NUMBERS:

BEAMS	UL# S721
BAR JOISTS	UL# D902
COMPOSITE SLAB	UL# D902
COLUMNS	UL# X528
1 HR. STUD PARTITIONS	UL# U465
2 HR. STUD PARTITIONS	UL# U411
1 HR. SHIRT WALL PARTITIONS	UL# U415
1 HR. BLOCK PARTITIONS	UL# U905
2 HR. BLOCK PARTITIONS	UL# U905
3 HR. BLOCK PARTITIONS	UL# U904
ROOF ASSEMBLY	UL# S721

NOTES:

1. RATING PROVIDED BY 4" SOLID CONCRETE MASONRY UNITS - DETERMINATION OF EQUIVALENT THICKNESS OF CMU REQUIRED IS BASED ON SECTION 721 PRESCRIPTIVE FIRE RESISTANCE, TABLE 721.1 (2) RATED FIRE RESISTANCE PERIODS FOR VARIOUS WALLS AND PARTITIONS, ITEM NUMBER 3-1.2

2. ALL CMU CONSTRUCTION SHALL MEET FIRE RESISTANCE REQUIREMENTS INDICATED IN CHART OF SAME NAME ABOVE, BLOCK TYPE AS REQUIRED TO COMPLY WITH UL DESIGN NUMBERS AND AS REQUIRED TO COMPLY WITH RATED WALLS INDICATED ON CODE COMPLIANCE DRAWINGS. PROVIDE MINIMUM 4" SOLID CMU AT SUCH LOCATIONS REGARDLESS IF NOTED AS SUCH ON PLAN DETAILS.

MAXIMUM BUILDING AREA PER TABLE 506.2										
Building Number	Const. Type	Aa (sf)	Occupancy Group			Stories	Max. Building Area	Lower Flr. Area	1st Flr. Area	2nd Flr. Area
			#1	#2	#3					
B1	IIB	U	-	-	-	1	8,500	-	605	-

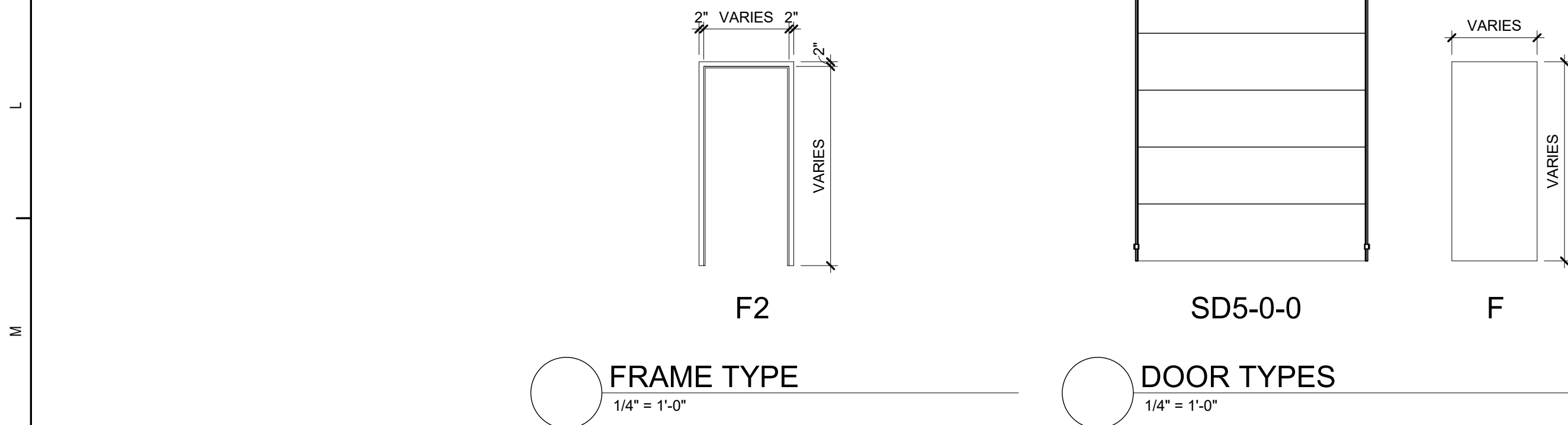
REFER TO BUILDING AREA KEY PLAN ON DRAWING CC-___
PENC = PRE-EXISTING NON-CONFORMING CONDITION

MAXIMUM BUILDING HEIGHT IN FEET PER TABLE 504.3 AND IN STORIES PER TABLE 504.4										
Building Number	Const. Type	#1	#2	#3	Full Sprinkler System	Tabular Stories	Tabular Feet	Allowable Stories	Allowable Feet	Actual Stories
B1	IIB	U	-	-	NS	1	16'-8"	2	55	1

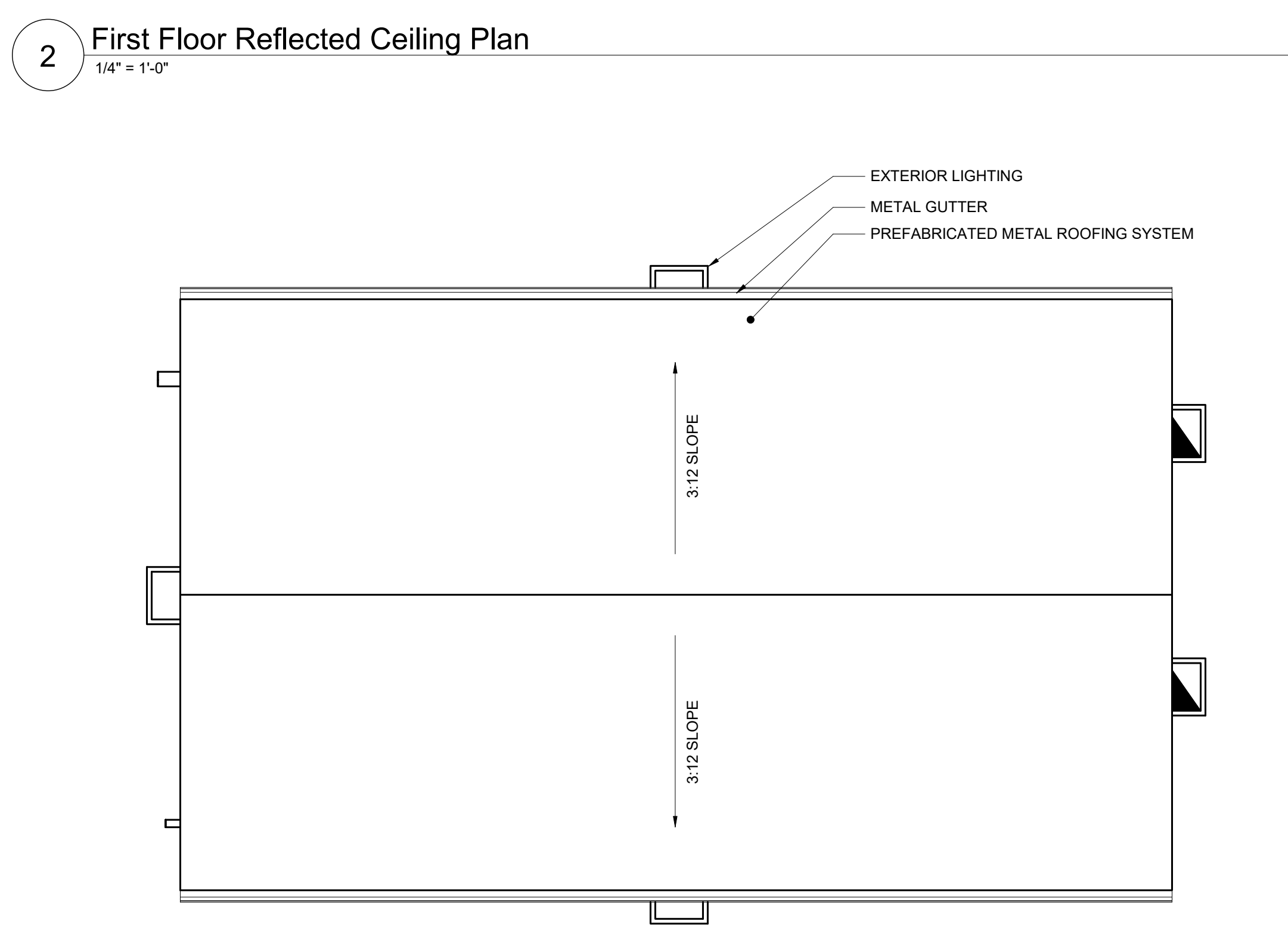
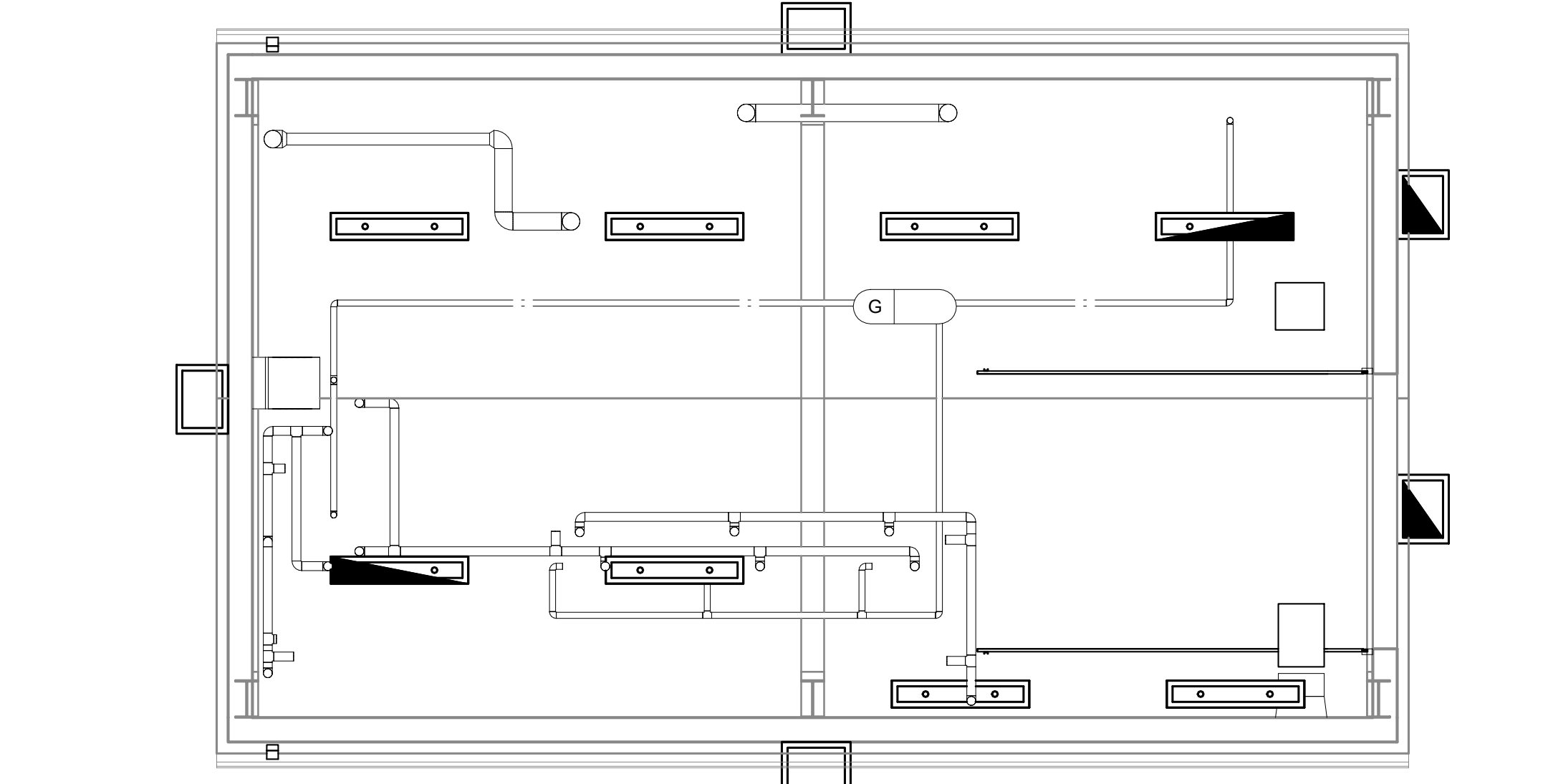
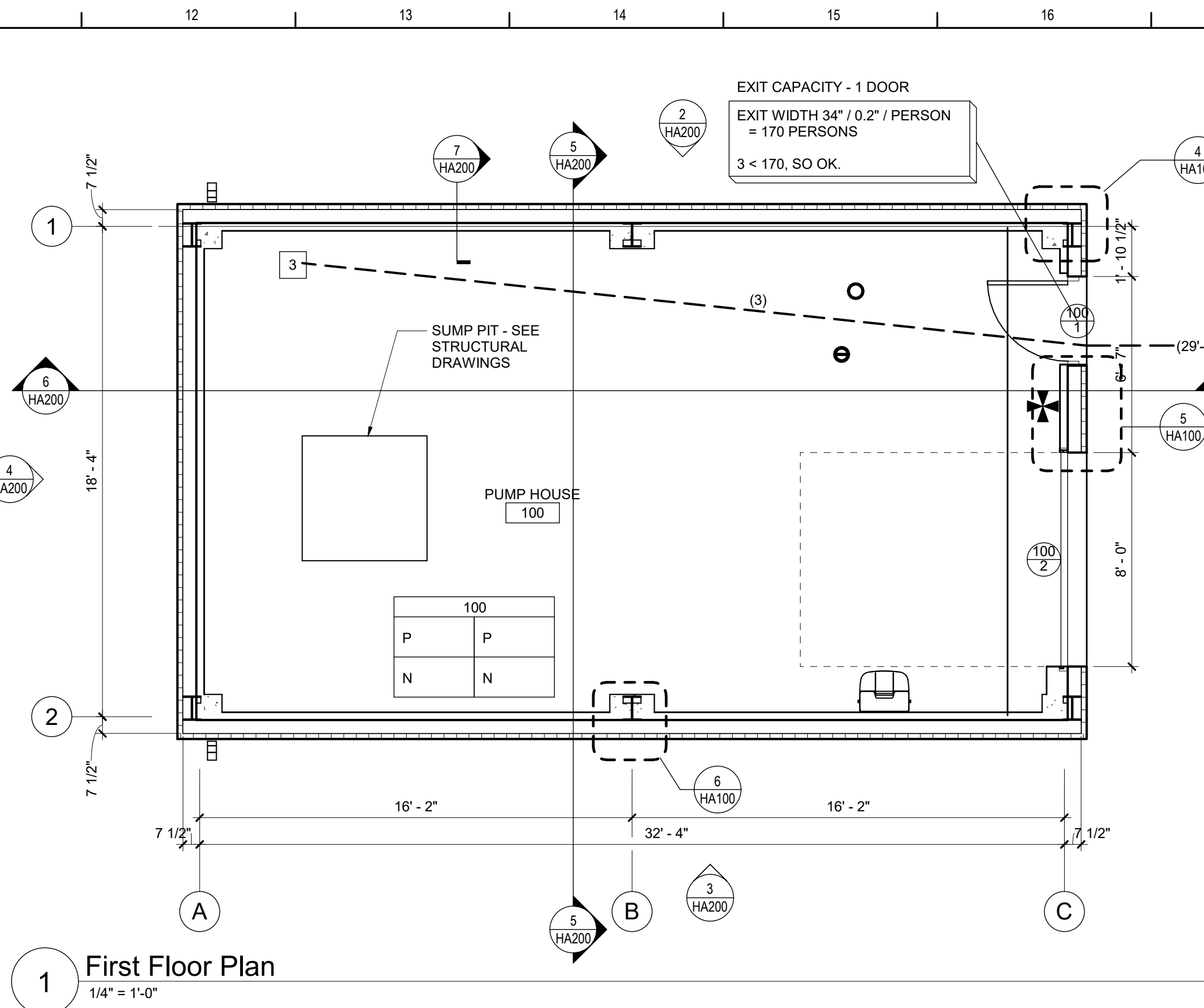
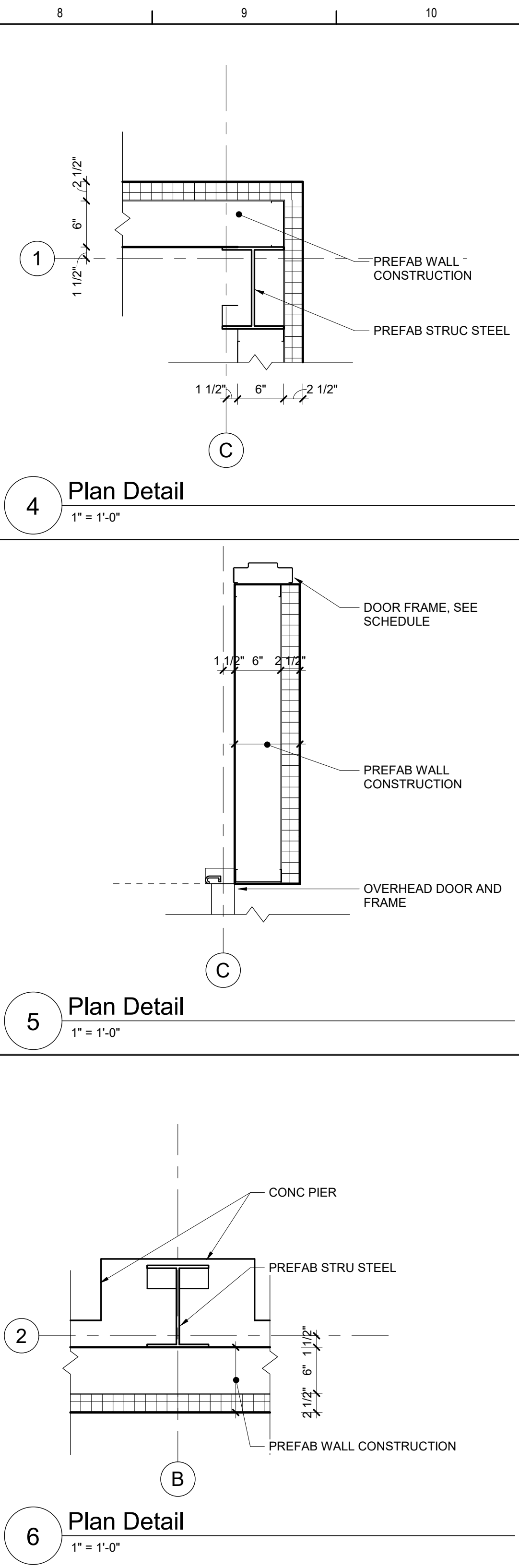
A = ACTUAL AREA OF PROTECTED OPENINGS
a = ALLOWABLE AREA OF PROTECTED OPENINGS
A_u = ACTUAL AREA OF UNPROTECTED OPENINGS
a_u = ALLOWABLE AREA OF UNPROTECTED OPENINGS
NP = NOT PERMITTED
NL = NO LIMIT

IF THE BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM THEN THE SEPARATION DISTANCE FOR UNPROTECTED OPENINGS MAY BE INCREASED, REFER TO 704.8.1

SEE ELEVATIONS FOR LOCATION OF EXTERIOR WALL OPENINGS.



Door Schedule													
ROOM NUMBER	DOOR NUMBER	TYPE	MATERIAL	WIDTH	HEIGHT	RATING	GLAZING	TYPE	MATERIAL	WIDTH	HEIGHT	RATING	REMARKS
1st FLOOR													
100	1	F	HM	3'-0"	7'-0"	-	-	F2	HM	3'-4"	7'-2"	-	
100	2	SD5-0-0	HM	8'-0"	10'-0"	-	-	-	STL	8'-0"	10'-0"	-	



General Plan Notes

A. ALL EXTERIOR WALLS SHALL BE OF PREFABRICATED CONSTRUCTION. EXTERIOR WALLS TO BE 6" STRUCTURAL FRAMING AND 2 1/2" PREFINISHED INSULATED METAL PANELING

Ceiling Types

G | X-X" UNPAINTED EXPOSED STRUCTURAL SYSTEM, SUPPORT MATERIALS AND FASTENERS, MECHANICAL SYSTEM, ELECTRICAL ITEMS AND PIPING

General Ceiling Notes

A. LIGHTING AND OTHER CEILING-MOUNTED FIXTURES ARE SHOWN FOR DRAWING CLARITY. COORDINATE LOCATIONS OF MECHANICAL, ELECTRICAL AND PLUMBING DEVICES ABOVE FINISHED FLOOR.

General Door Notes

A. ALL DOOR HARDWARE FROM OCCUPIED SPACES SHALL BE OF A TYPE THAT WILL ALWAYS PERMIT THE DOOR TO BE OPENED FROM WITHIN THE SPACE WITHOUT USE OF A KEY.

B. APPLY CONTINUOUS JOINT SEALANT TO ALL JOINTS BETWEEN FRAMES AND WALLS, TYP ALL.

C. PAINT ALL HM DOORS AND FRAMES IN ACCORDANCE W/ SECTION 09900.

D. PROVIDE LINTELS AT ALL DOOR AND WINDOW OPENINGS IN ACCORDANCE WITH LINTEL SCHEDULE ON STRUCTURAL DWGS.

Legend

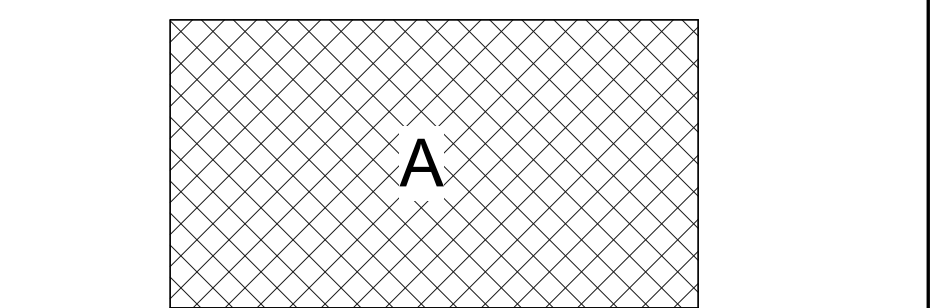
----- COMMON EGRESS PATH

XX NUMBER OF OCCUPANTS IN EACH SPACE, UNO

(XX) NUMBER OF OCCUPANTS ALONG EGRESS PATH

XX-XX" TOTAL EGRESS DISTANCE PER PATH

NEW FIRE EXTINGUISHER LOCATION



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-7-026-001

Rev. No.	Date	Description



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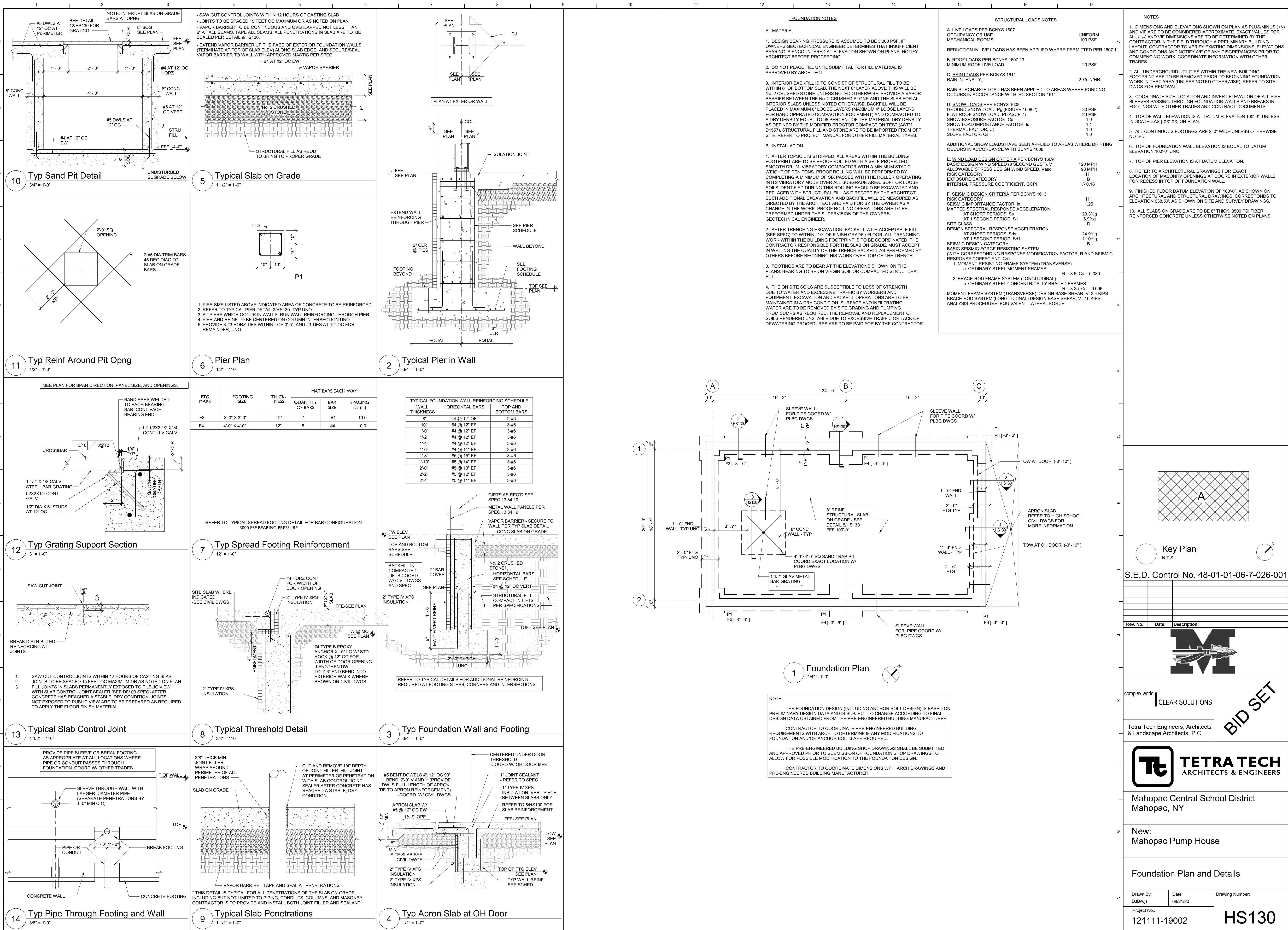


Mahopac Central School District
Mahopac, NY

New:
Mahopac Pump House

First Floor, Reflected Ceiling and Roof Plans

Drawn By: TS
Date: 08/21/20
Project No.: 121111-19002
Drawing Number: HA100

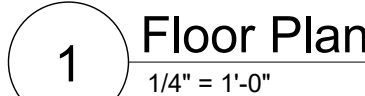


NOTES:

1. PROVIDE MANUFACTURER'S STANDARD DISCONNECT SWITCH.
2. PROVIDE MANUFACTURER'S STANDARD INLET SCREEN.
3. PROVIDE MANUFACTURER'S RECOMMENDED FAN VARIABLE SPEED CONTROLLER.


NOTES:
1. PROVIDE FACTORY FURNISHED DISCONNECT SWITCH.
2. PROVIDE FACTORY FURNISHED MOUNTING HANGER BRACKET.

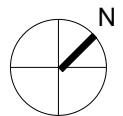
NOTES:
1. DESIGN MAKE: RUSKIN
2. PROVIDE WITH ALUMINUM INSECT SCREEN.
3. ANODIZED FINISH. SUBMIT MANUFACTURER'S COLOR CHART FOR APPROVAL BY ARCHITECT



1. THE FOLLOWING GENERAL NOTES APPLY TO ALL "I/M" SERIES DRAWINGS.
2. REVIEW ALL CONTRACT DOCUMENTS, DRAWINGS AND SPECIFICATIONS, FOR DETAILED STANDARDS AND REQUIREMENTS.
3. REPORT ANY AND/OR UNSATISFACTORY CONDITIONS IN WRITING TO OWNER AND ENGINEER AND RESOLVE ISSUES BEFORE PROCEEDING.
4. WORK MANAGE ALL LABOR AND MATERIALS REQUIRED TO PROVIDE COMPLETE WORKING SYSTEMS.
5. COORDINATE PHASING REQUIREMENTS AT JOB MEETINGS AND WORK SCHEDULES.
6. DO NOT SCALE DRAWINGS. PIPING AND DUCTWORK ARE SHOWN DIAGRAMMATICALLY. IT IS NOT POSSIBLE TO SHOW EVERY FITTING, FLANGE, AND CONNECTION. PROVIDE AS REQUIRED TO FIT WITHIN STRUCTURAL CONSTRAINTS. EXAMINE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED AND WORK ACCESS, SITE CONDITIONS, AND INTERFERENCES, ELECTRICAL, CHARACTERISTICS AND INTERFERENCE IN THE FIELD PRIOR TO BID.
7. VERIFY STATUS OF CEILING WORK SHOWN ELSEWHERE IN THE CONTRACT DOCUMENTS. PROVIDE FOR ADDITIONAL CEILING SYSTEM REMOVAL, PROTECTION, AND REINSTALLATION AS REQUIRED.
8. IF UNANTICIPATED MECHANICAL, ELECTRICAL, OR STRUCTURAL CONFLICTS ARE ENCOUNTERED, INVESTIGATE AND RESOLVE BOTH MECHANICAL AND ELECTRICAL CONFLICTS PRIOR TO WORK BEING REQUIRED.
9. CUT, DRILL, OR OTHERWISE CREATE OPENINGS AS NEARLY AS POSSIBLE AS REQUIRED FOR THE INDICATED CONTRACT WORK. VERIFY SUPPORT AS REQUIRED FOR AND USE METHODS LEAST LIKELY TO CAUSE DAMAGE TO EXISTING STRUCTURE OR PATTERNS. PROVIDE LOCATIONS OF ALL STRUCTURAL ELEMENTS INCLUDING CROSS BRACING, ELECTRICAL WIRING, PLUMBING, ETC. PROMPTLY NOTIFY ARCHITECT, ENGINEER, PLUMBER, ETC. OF ALL STRUCTURAL MEMBERS OR OTHER STRUCTURAL ELEMENTS SPECIFICALLY DIRECTED TO DO SO. PENDING RECEIPT OF APPROVED REPAIRS, REPAIRS ARE NECESSARY TO CONTINUE OVERALL JOB WORK WITHOUT DELAY.
10. PATCH ALL DISTURBANCES RESULTING FROM DEMOLITION OR REMOVAL OF MATERIALS TO MATCH EXISTING SURFACES. FOLLOWING DEMOLITION, AND AGAIN FOLLOWING WORK, WHERE HOLES REMAIN FROM REMOVALS, INFILL AND PATCH TO MATCH EXISTING SURFACES IS TO BE REQUIRED.
11. ALL EXCESS MATERIALS AND SCRAPS ARE CONTRACTOR'S PROPERTY. PROMPTLY REMOVE FROM SITE UNLESS OTHERWISE DIRECTED BY ARCHITECT OR ENGINEER.
12. BUILDING IS PRE-MANUFACTURED STEEL STRUCTURE. COORDINATE SIZES, LOCATIONS AND WEIGHTS OF EQUIPMENT AND MATERIALS PROVIDED BY OTHERS. HARDWARE AS RECOMMENDED BY BUILDING MFR.

GENERAL: PROVIDE A LOCAL BMS CONTROLLER WITH GRAPHIC USER INTERFACE (GUI) FOR OPERATOR MONITORING, SCHEDULING, ALARMS AND TEMPERATURE SETPOINT ADJUSTMENT. LOCATE CONTROLLER/GUI IN LOCATION APPROVED BY OWNER. PROVIDE A WIRELESS ROUTER FOR COMMUNICATION TO DISTRICT BMS SYSTEM.

- 
- A rectangle with a diagonal cross-hatch pattern, labeled 'A'.



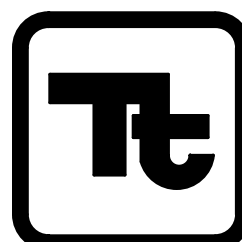
S.E.D. Control No. 48-01-01-06-7-026-001

Rev. No.:	Date:	Description:
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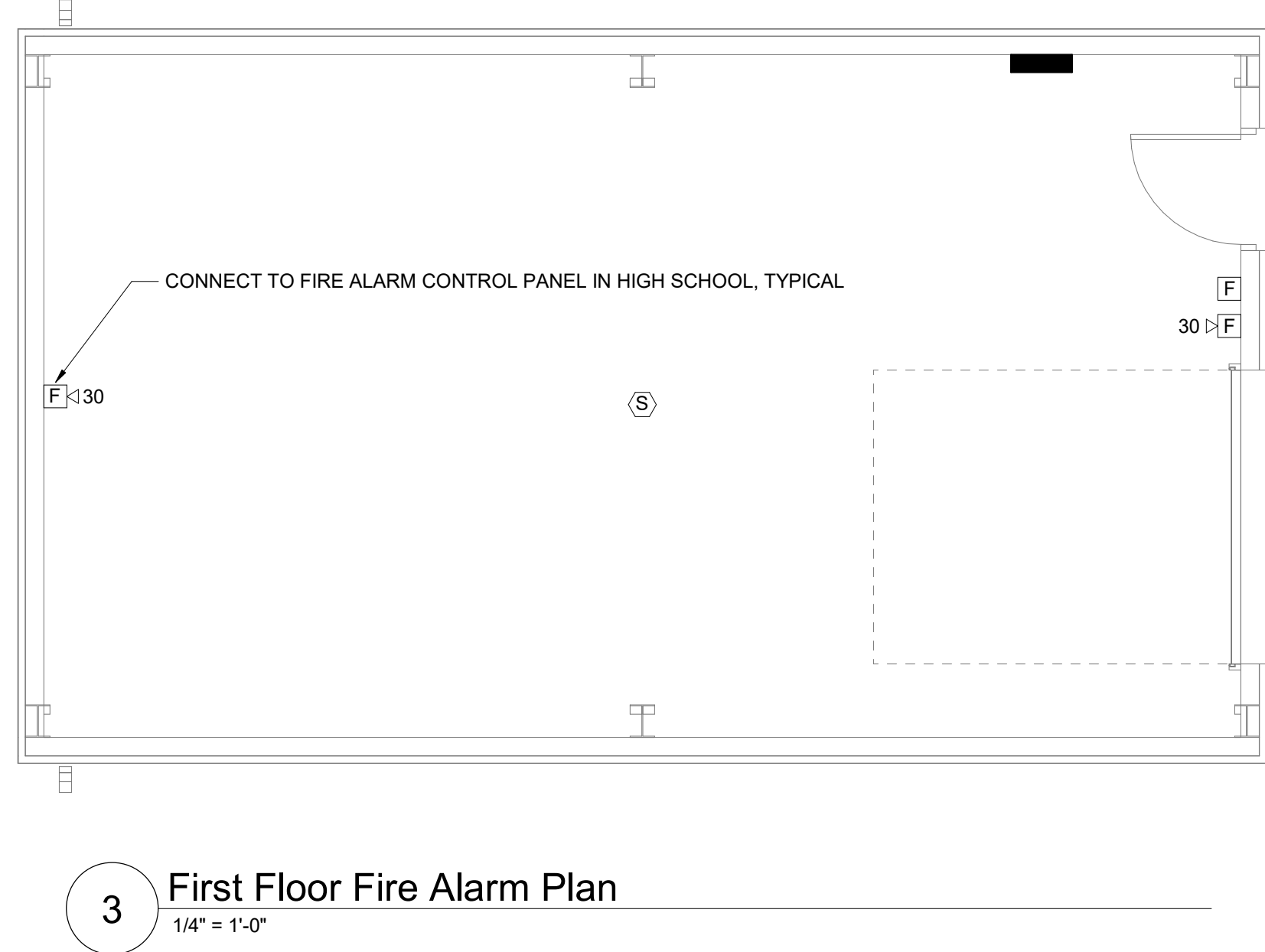
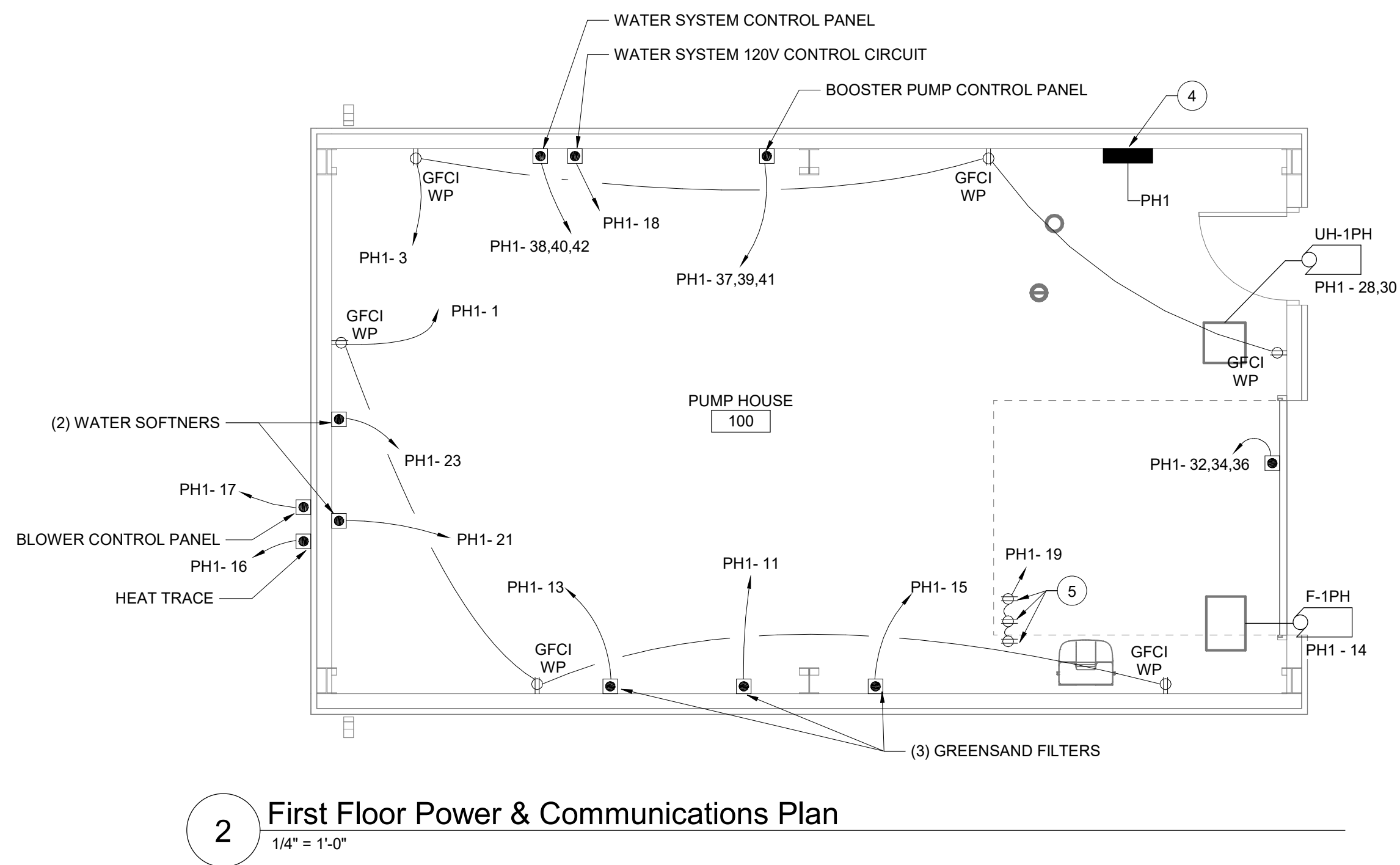
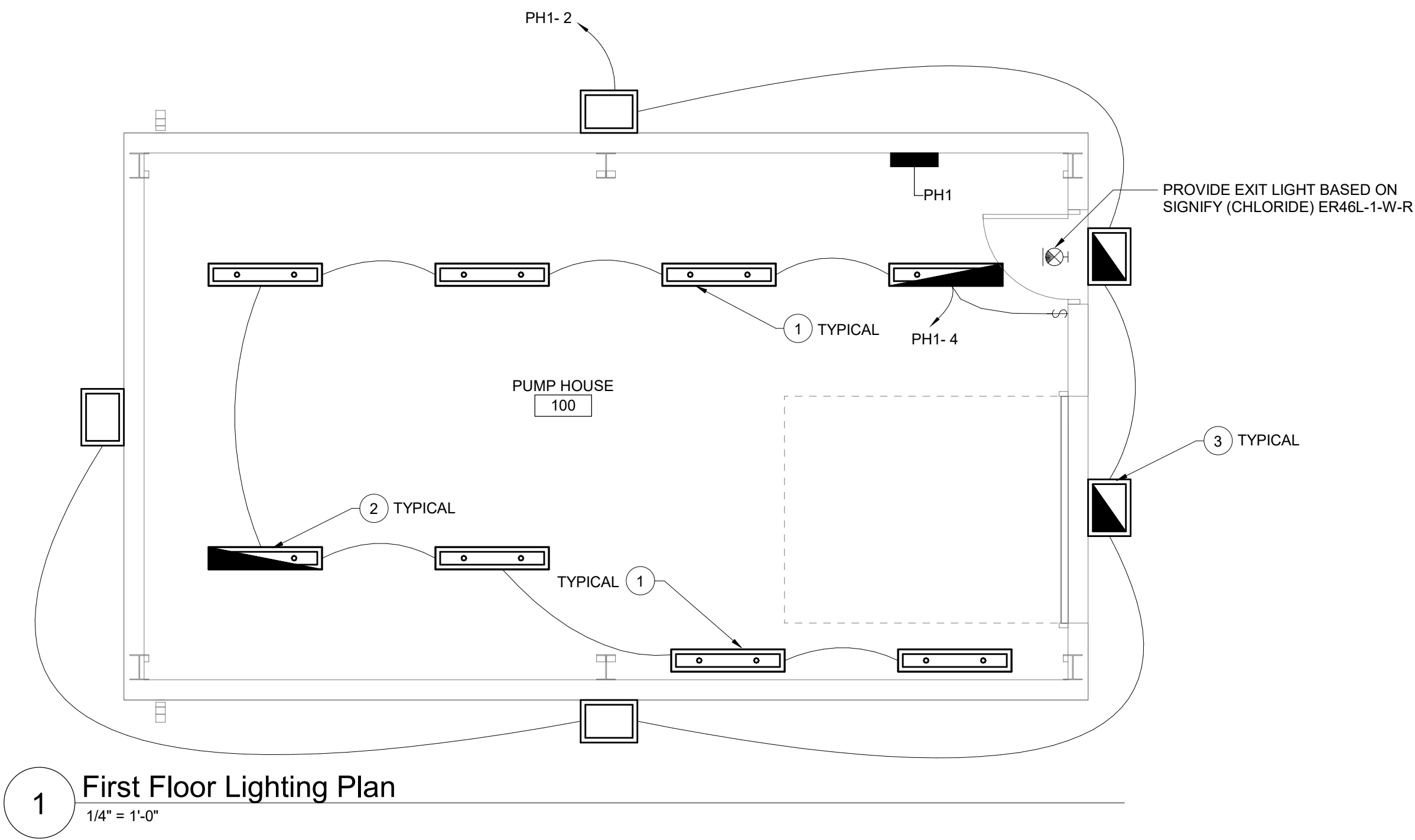
TETRA TECH
ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

New:
Mahopac Pump House

Floor Plan, Schedules, Details and Controls

Drawn By: DPM/jtk	Date: 08/21/20	Drawing Number:
Project No.: 121111-19002		HM130



PANELBOARD: PH1

Location: PUMP HOUSE 100

Surface MOUNTED

10,000

SYM. A.I.C...

ENCLOSURE TYPE Type 1

AMP MAIN (LUGS) OR 225 A

AMP MAIN BREAKER WITH 225 A

AMP TRIP

208Y/120V

VOLTS

3

PHASE

4

WIRE

60

HERTZ

225 A

AMP BUS

SE LABEL

CKT NO.	POLES	TRIP AMPS	WIRE AWG	# OF WIRES	GND. AWG	CONDUIT INCH	LOAD SERVED	A	B	C	LOAD SERVED	CONDUIT INCH	GND. AWG	# OF WIRES	WIRE AWG	TRIP AMPS	POLES	CKT NO.
1	1	20 A					RCPT: 100	540 VA	520 VA							20 A	1	2
3	1	20 A					RCPT: 100		540 VA	257 VA						20 A	1	4
5	1	20 A	--	--	--	--	SPARE			0 VA	0 VA					20 A	1	6
7	1	20 A	--	--	--	--	SPARE	0 VA	0 VA							20 A	1	8
9	1	20 A	--	--	--	--	SPARE		0 VA	0 VA						20 A	1	10
11	1	20 A					CONN: GREENSAND...				180 VA	0 VA				20 A	1	12
13	1	20 A					CONN: GREENSAND...	180 VA	200 VA							20 A	1	14
15	1	20 A					CONN: GREENSAND...		180 VA	1176 VA						20 A	1	16
17	1	20 A					CONN: BLOWER...			1176 VA	180 VA					20 A	1	18
19	1	20 A					RCPT: PUMPS	540 VA	1000 VA							20 A	1	20
21	1	20 A					CONN: WATER...		180 VA	360 VA						20 A	1	22
23	1	20 A					CONN: WATER...				180 VA	200 VA				20 A	1	24
25	1	20 A					CONN: EXTERIOR...	200 VA	0 VA							20 A	1	26
27	--	--	--	--	--	--	SPACE		0 VA	3328 VA						40 A	2	28
29	--	--	--	--	--	--	SPACE			0 VA	3328 VA					40 A	2	30
31								0 VA	60 VA									32
33	3	20 A	--	--	--	--	SPARE		0 VA	60 VA						20 A	3	34
35											0 VA	60 VA						36
37																		38
39	3	100 A	#2	4	#8	1-1/4"	CONN: PUMP CONTROL PANEL	7337 VA	3694 VA							60 A	3	40
41									7337 VA	3694 VA								42

* -GFCI BREAKER

** -SHUNT TRIP BREAKER

TOTAL CONNECTED LOAD PER PHASE...

14272 VA

17112 VA

16336 VA

A

B

C

-PROVIDE BREAKER AS REQUIRED BY PANELBOARD MANUFACTURER FOR...

SUPPLIED FROM: HIGH SCHOOL MDP

General Notes

A. COORDINATE ALL ELECTRICAL WORK AND POWER OUTAGES WITH OWNER AND OTHER TRADES PRIOR TO THE START OF CONSTRUCTION. NO POWER OUTAGES SHALL OCCUR WITHOUT OWNER'S PRIOR KNOWLEDGE AND CONSENT.

B. REFER TO DRAWING SA FOR STANDARD SYMBOLS AND ABBREVIATIONS.

C. WHEN INSTALLING NEW DEVICES IN EXISTING LOCATIONS, REUSE EXISTING CONDUIT/TRACEWAY AND BACK BOXES IF IN GOOD CONDITION. EXTENDING/INSTALL NEW CONDUIT/TRACEWAY AS REQUIRED FOR PROPER MOUNTING OF DEVICE. CONCEAL ABOVE CEILINGS OR WITHIN WALLS WHERE POSSIBLE. REFER TO SPECIFICATION SECTION 26 05 33.

D. CIRCUIT WIRING FOR ALL LIGHTING CIRCUITS SHALL BE IN 1/2" EMT CONDUIT (MIN) OR TYPE MC CABLE CONCEALED ABOVE CEILINGS AND IN WALLS (REFER TO SPECIFICATION SECTION 26 05 33 FOR LOCATIONS WHERE MC CABLE IS ACCEPTABLE). ALL CIRCUIT CONDUCTORS SHALL BE #12AWG COPPER (MIN) 90° C THHN THERMOPLASTIC INSULATION.

E. PROPERLY IDENTIFY ALL CIRCUITS AT PANELS AND J-BOXES AND IN ACCORDANCE WITH PROJECT SPECIFICATIONS.

F. PROVIDE ALL ADAPTERS, COUPLINGS AND ASSOCIATED FITTINGS REQUIRED FOR COMPLETE OPERATIONAL SYSTEM.

G. UNLESS NOTED ELSEWHERE ON THE CONTRACT DOCUMENTS, THE FOLLOWING LIST REPRESENTS THE TYPICAL MOUNTING HEIGHTS FOR THE DEVICES SHOWN:

- a. SWITCHES AND PANG STATIONS.....48" (TO TOP)
- b. RECEPTACLES.....16"
- c. COMPUTER RECEPTACLES.....16"
- d. WALL (W) TELEPHONE AND/OR CALL SWITCHES.....48" (TO TOP)
- e. TELEPHONE OUTLETS (UNLABELED).....16"
- f. VOLUME CONTROLS.....48" (TO TOP)
- g. TELEVISION OUTLETS.....16"
- h. FIRE ALARM PULL STATIONS.....48" (TO TOP)
- i. FIRE ALARM AUDIO VISUAL UNITS.....48"
- j. POWER PANELS.....72" (TO TOP)

THE HEIGHTS INDICATED SHALL BE NOMINAL TO THE BOTTOM OF THE BOX UNLESS NOTED OTHERWISE.

H. COORDINATE ALL ELECTRICAL WORK WITH OTHER TRADES.

I. WIRE EMERGENCY BATTERY PACKS AND EXIT LIGHTS TO UNSWITCHED LIGHTING CIRCUIT SUPPLYING SPACE SERVED BY EMERGENCY BATTERY PACK AND/OR EXIT LIGHT.

J. ALL CIRCUIT BREAKERS ADDED TO EXISTING PANELBOARDS SHALL BE UL LISTED/LABELED FOR USE WITH EXISTING PANELBOARDS.

Keyed Notes

1 PROVIDE LUMINAIRE THAT CAN BE SUSPENDED OR WALL MOUNTED BASED ON MODEL LITHONIA XVM L48 5000LM 40K MOUNT 10'-0" AFF.

2 PROVIDE LUMINAIRE THAT CAN BE SUSPENDED OR WALL MOUNTED BASED ON MODEL LITHONIA XVM L48 5000LM 40K MOUNT 10'-0" AFF WITH AN MINIMUM 90 MINUTE BATTERY BACKUP.

3 PROVIDE WALL MOUNTED LUMINAIRE BASED ON MODEL LITHONIA WJGEILED 4W P2 VF 40K WITH A MINIMUM 90 MINUTE BATTERY BACKUP ABOVE DOORS. MOUNT 8'-0" AFF AND 11'-0" AFF ABOVE ROLL DOOR. CONTROL BY PHOTOCELL.

4 REFER TO DRAWING AE002 FOR POWER FEED AND SIZING INFORMATION.

5 PROVIDE (3) GFCI RECEPTACLES. (1) FOR POTASSIUM PUMP AND (2) FOR CHLORINE PUMPS. MOUNTED ON METAL STRUT STAND. COORDINATE LOCATION WITH PLUMBING CONTRACTOR, SEE PLUMBING DRAWINGS FOR MORE INFORMATION.

Key Plan

N.T.S.

N

S.E.D. Control No. 48-01-01-06-7-026-001

Rev. No.:

Date:

Description:

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CLEAR SOLUTIONS

Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

TETRA TECH ARCHITECTS & ENGINEERS

Mahopac Central School District Mahopac, NY

New: Mahopac Pump House

First Floor Lighting and Power & Communications Plan

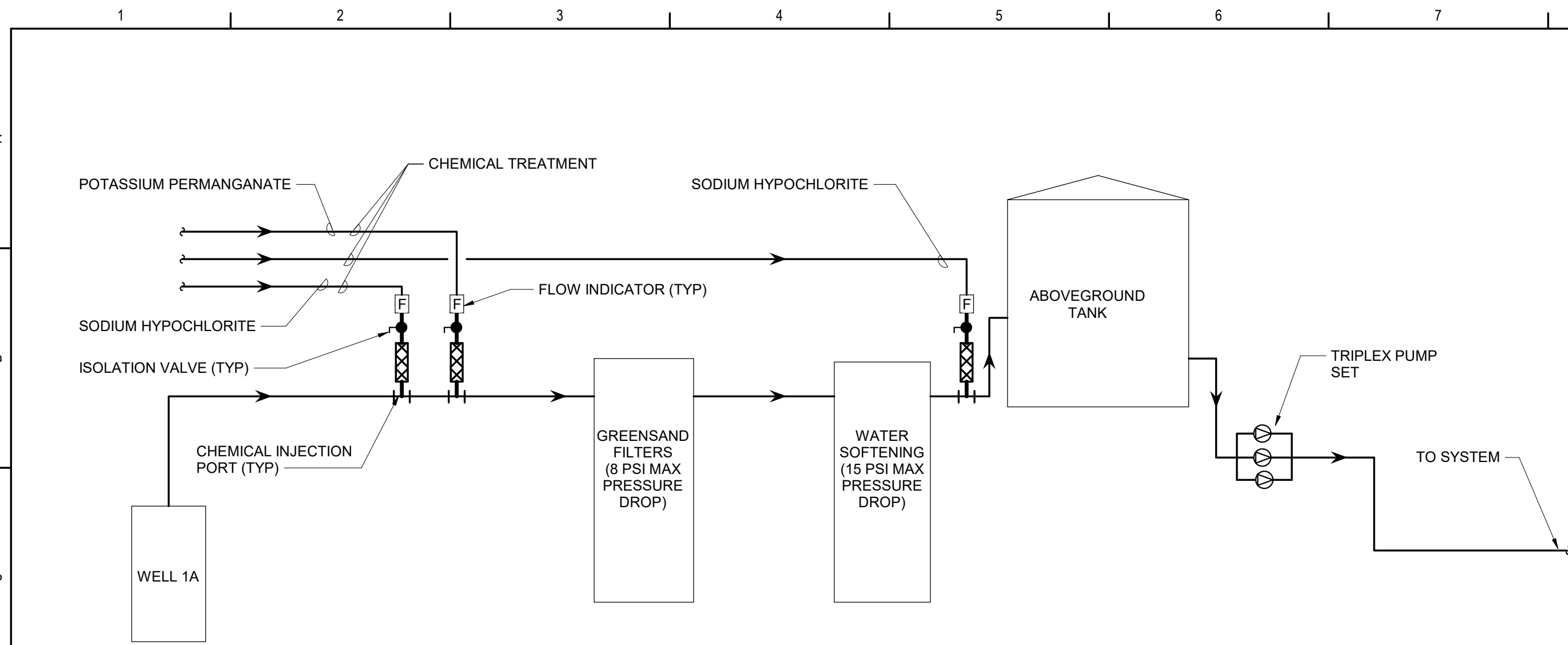
Drawn By: CR

Date: 08/21/20

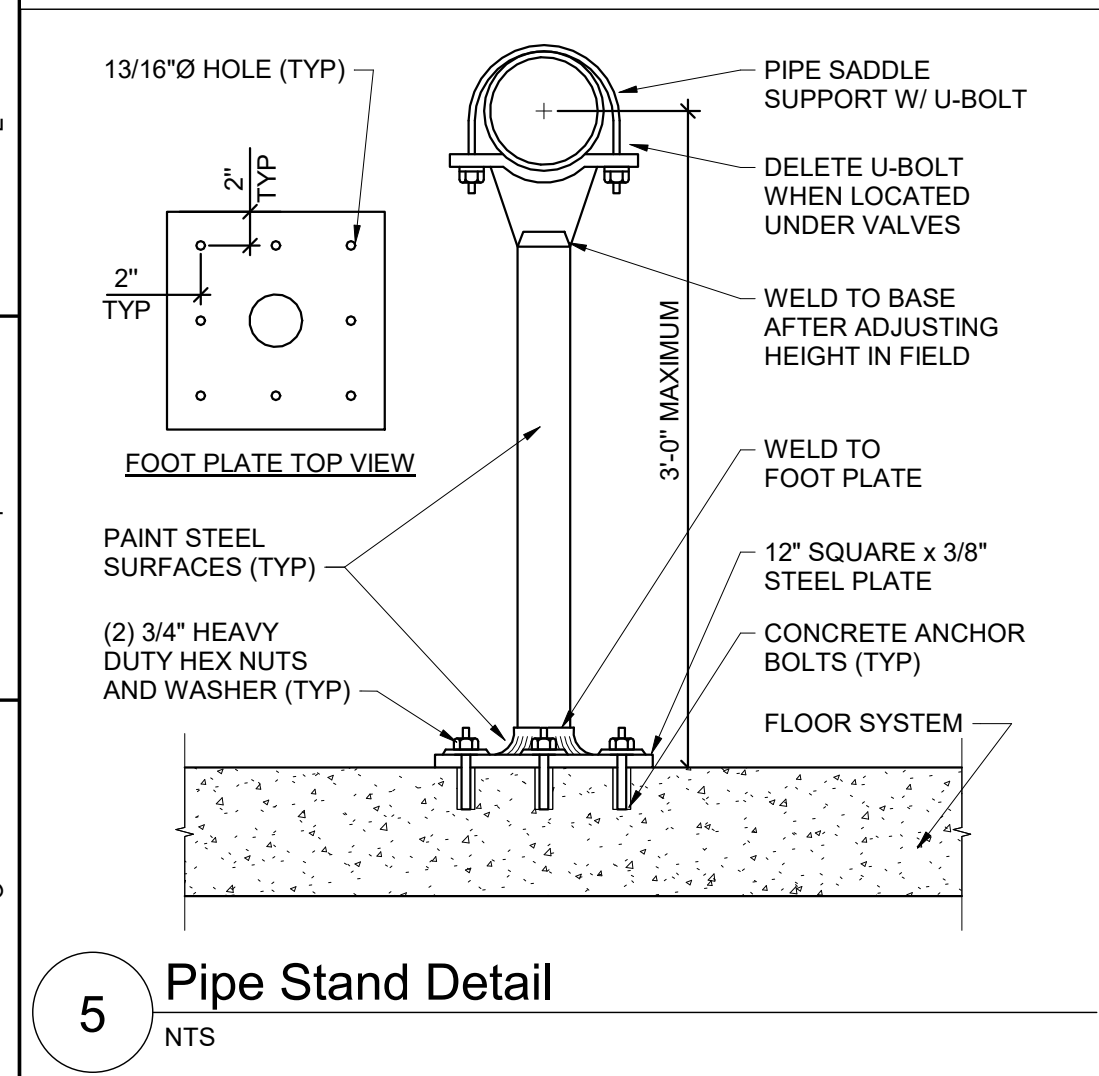
Drawing Number:

Project No.: 12111-19002

HE100

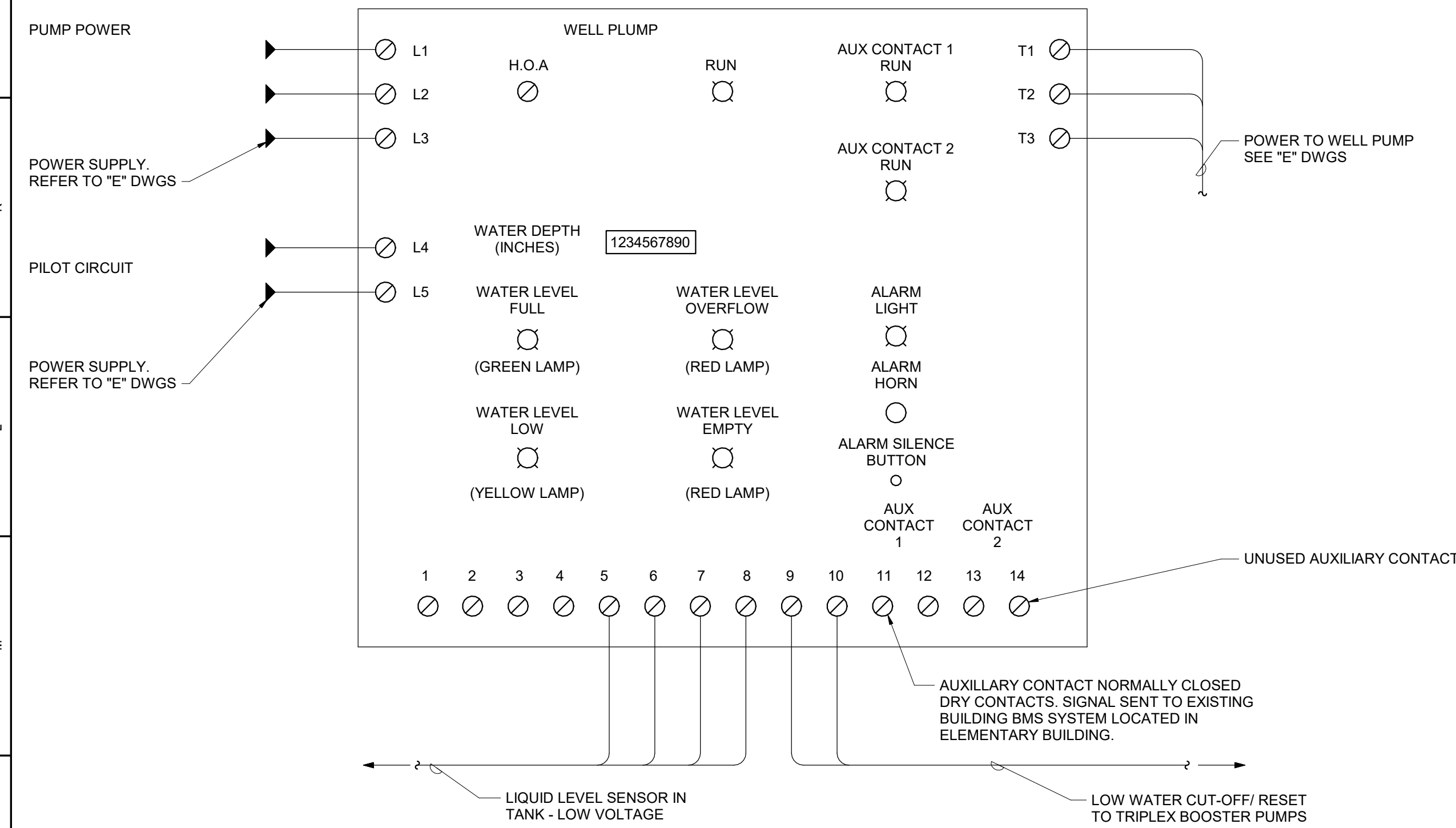


4 Water Treatment Hydraulic Schematic
NTS

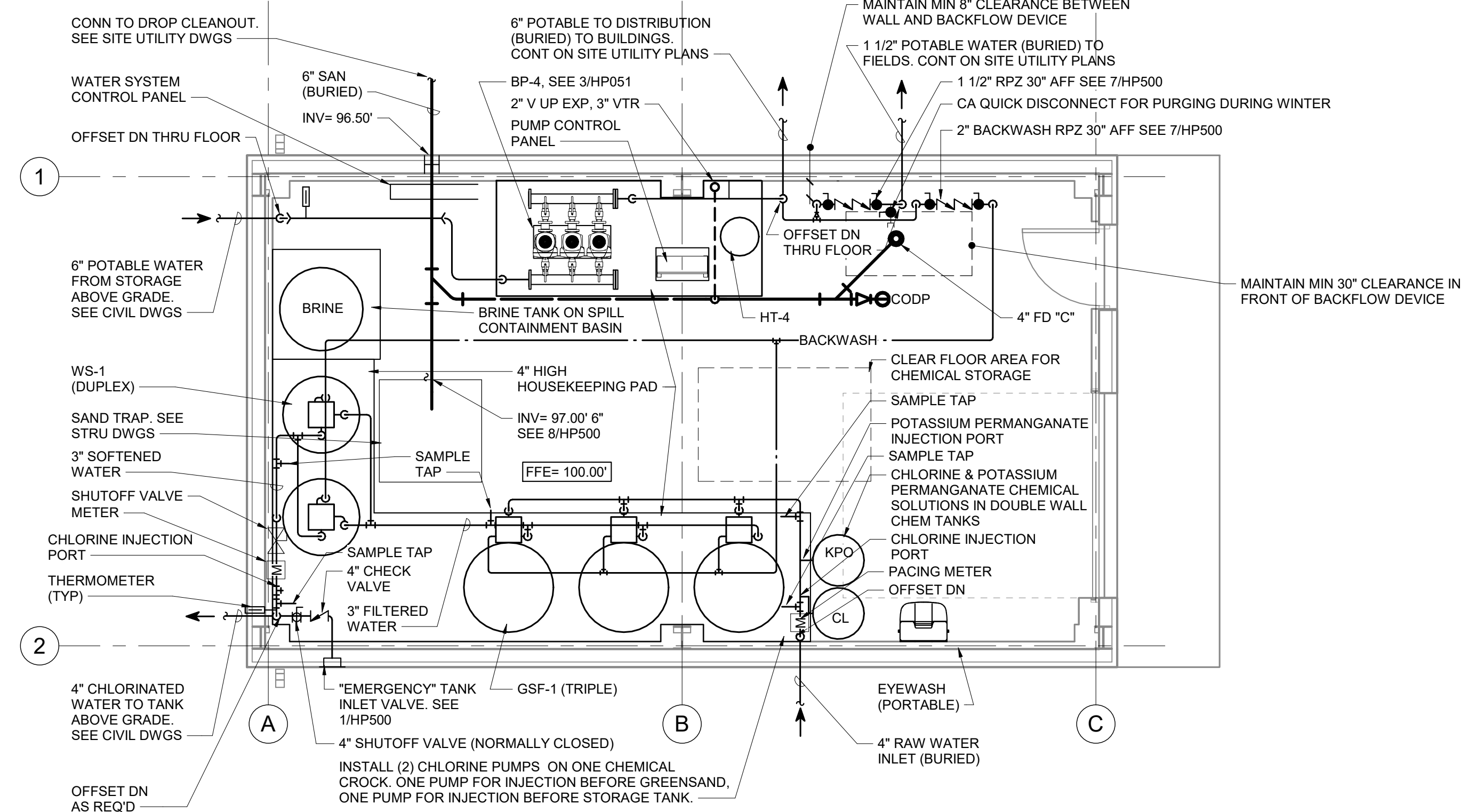


5 Pipe Stand Detail
NTS

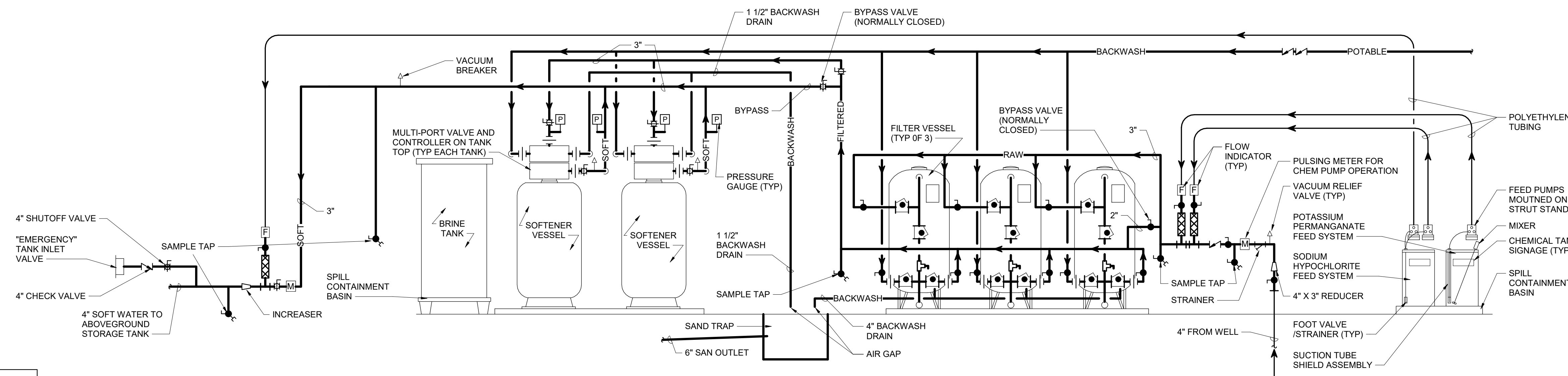
Piping Color Coding Schedule	
PIPING	COLOR CODE
RAW WATER	OLIVE GREEN
FINISHED OR POTABLE WATER	DARK BLUE
CHLORINE (SOLUTION)	YELLOW
POTASSIUM PERMANGANATE	VIOLET
BACKWASH WASTE	LIGHT BROWN
SEWER (SEWER OR OTHER)	DARK GRAY
OTHER LINES	LIGHT GRAY



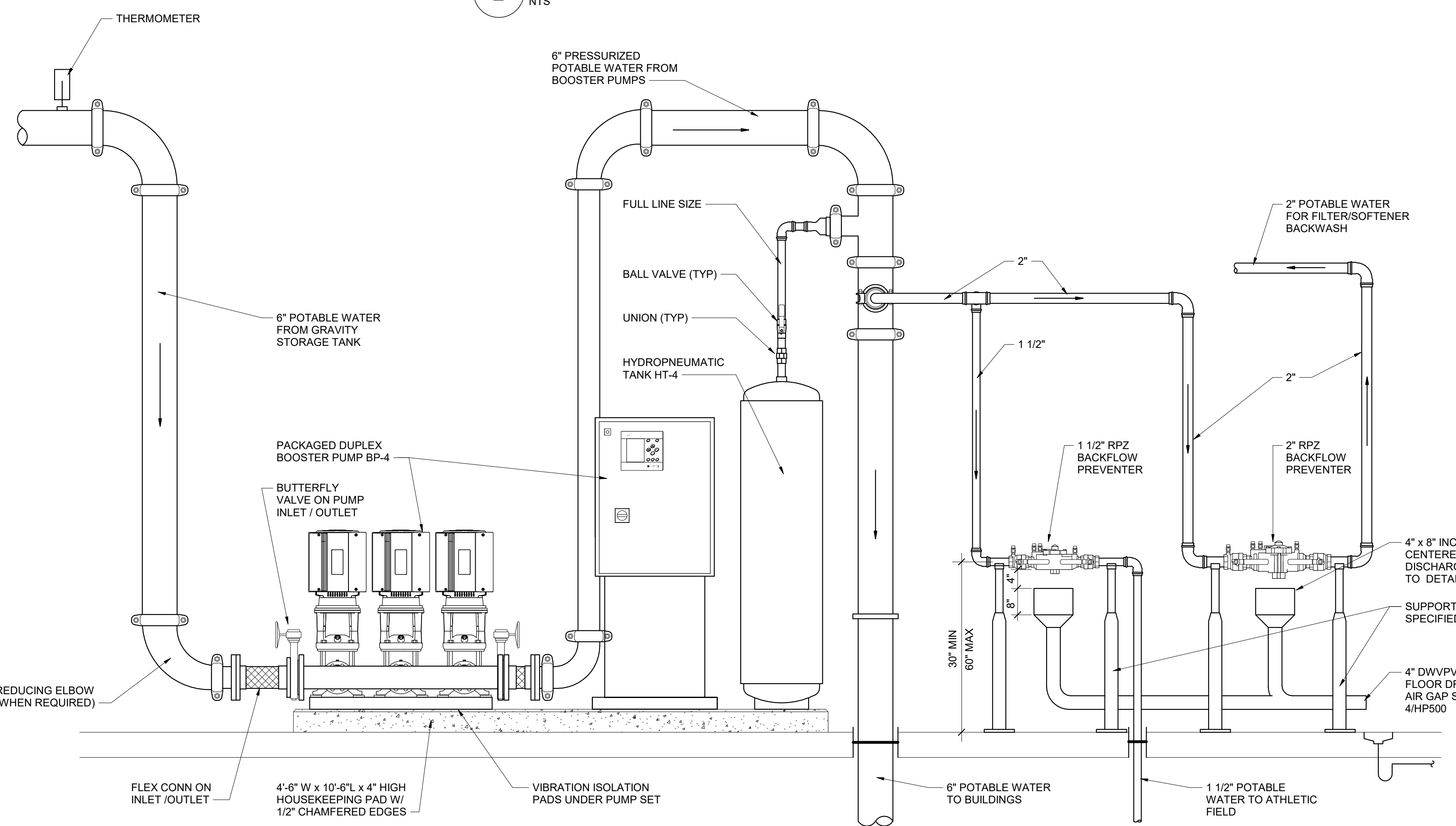
6 Domestic Water System Control Panel Schematic
12" = 1'-0"



1 First Floor Plan
1/4" = 1'-0"
NOTE: FOR CONTINUATION OF PIPING, REFER TO CIVIL DRAWINGS



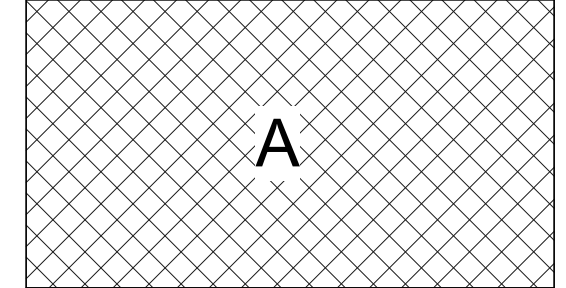
2 Domestic Water Treatment System Schematic
NTS



3 Duplex Booster Pump System Schematic
NTS

General Notes

- VERIFY ALL PIPING LOCATIONS, SIZES, AND ARRANGEMENTS IN FIELD PRIOR TO BID. NOTIFY ARCHITECT IN WRITING OF ANY DISCREPANCIES.
- VERIFY IN FIELD INVERT AND DIRECTION OF FLOW IN EXISTING SOIL PIPE WHERE NEW SOIL PIPE IS TO BE CONNECTED TO EXISTING SOIL PIPE.
- LEGALLY DISPOSE OF ALL DEMOLITION DEBRIS.
- INCLUDE TRENCHING, CUTTING AND PATCHING OF FLOORS, WALLS AND CEILINGS, INCLUDING CEILING TILE REMOVAL AND REPLACEMENT, WHEN REQUIRED FOR PLUMBING WORK. PATCH ABANDONED OPENINGS AND DISTURBED FINISHES TO MATCH EXISTING. TAKE PRECAUTIONS TO PROTECT STRUCTURAL INTEGRITY OF FLOOR OR WALLS WHEN TRENCHING OR CUTTING.
- MATERIALS FOR PLUMBING INSTALLATION SHALL BE NEW, UNLESS SPECIFICALLY NOTED OTHERWISE.
- FINISHED FLOOR ELEVATION OF 634.60' ON SITE PLAN CORRESPONDS TO FINISHED FLOOR ELEVATION OF 100.00' ON FLOOR PLANS.
- PROVIDE THROUGH PENETRATION FIRESTOPPING FOR FIRE RATED WALLS AND FLOORS. PENETRATIONS THROUGH EXISTING WALLS AND FLOORS ARE CONSIDERED TWO-HOUR PARTITIONS UNLESS SPECIFICALLY NOTED OTHERWISE. REFER TO "A" SERIES OR CODE COMPLIANCE DRAWINGS FOR LOCATION OF FIRE RATED WALLS AND FLOORS.



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-7-026-001

Rev. No.: Date: Description:



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Tetra Tech Engineers, Architects & Landscape Architects, P.C.



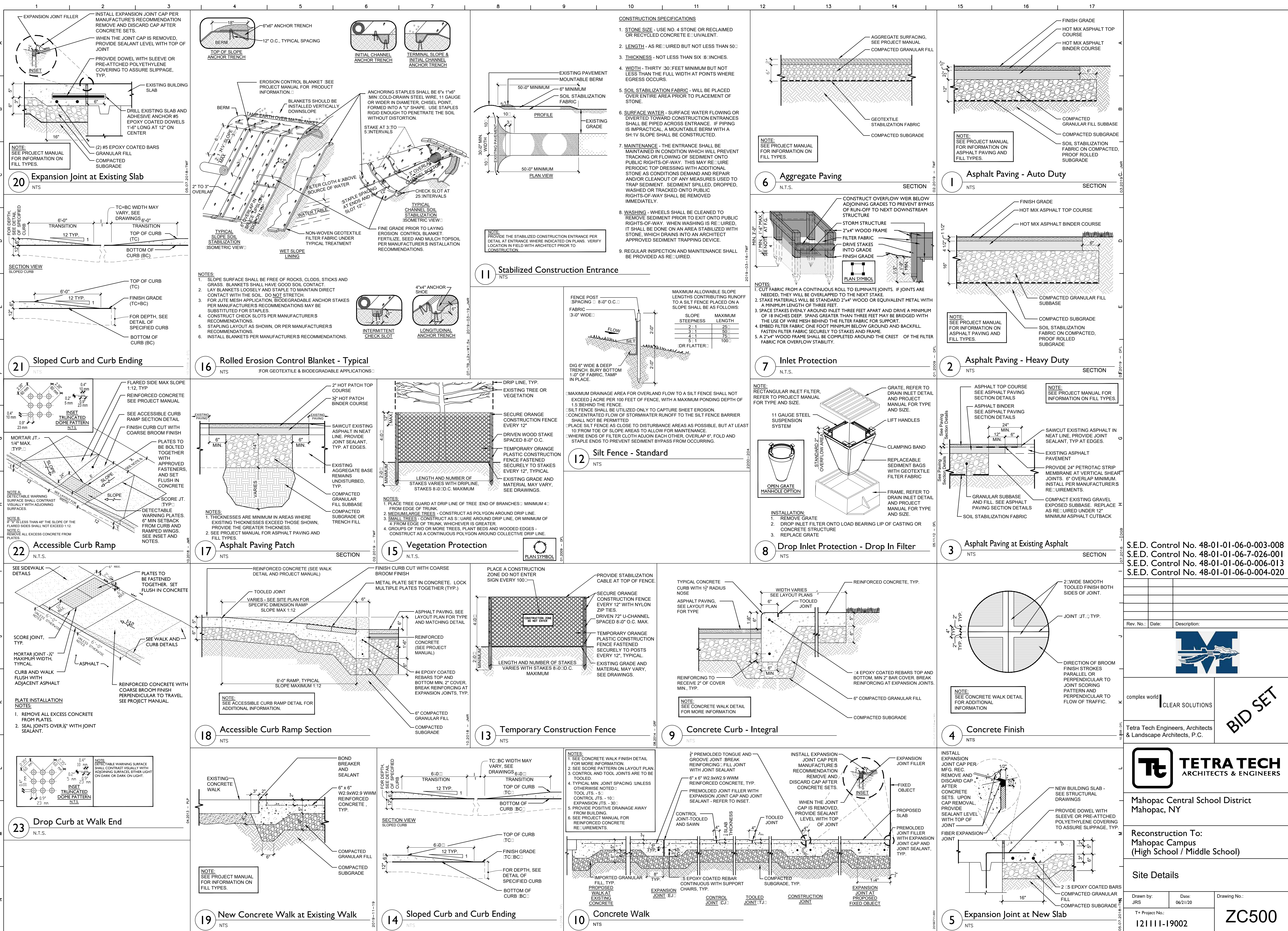
Mahopac Central School District
Mahopac, NY

New:
Mahopac Pump House

First Floor Plan, Details and Schedules

Drawn By: DCG/ sef Date: 08/21/20 Drawing Number: HP051
Project No.: 12111-19002

BID SET



S.E.D. Control No. 48-01-01-06-0-003-008
S.E.D. Control No. 48-01-01-06-7-026-001
S.E.D. Control No. 48-01-01-06-0-006-013
S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.: Date: Description:



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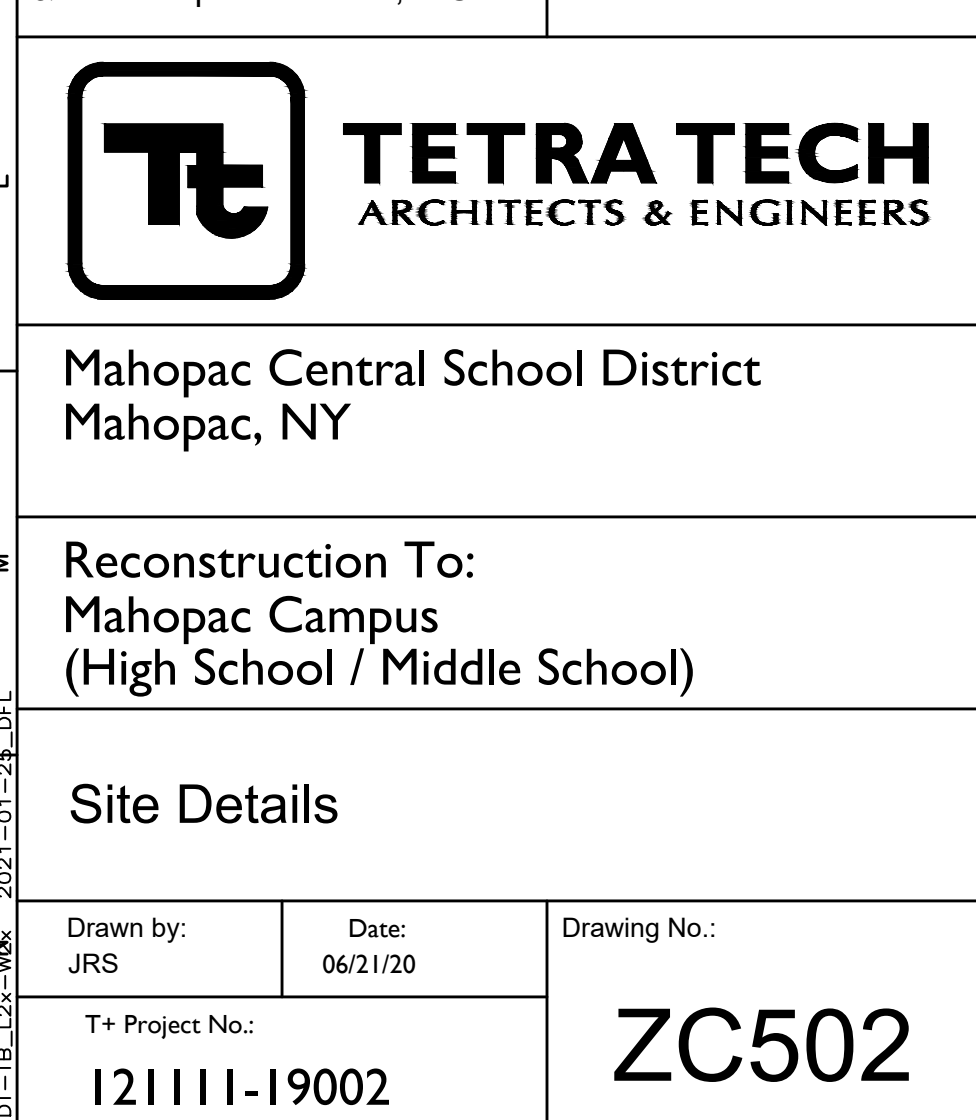
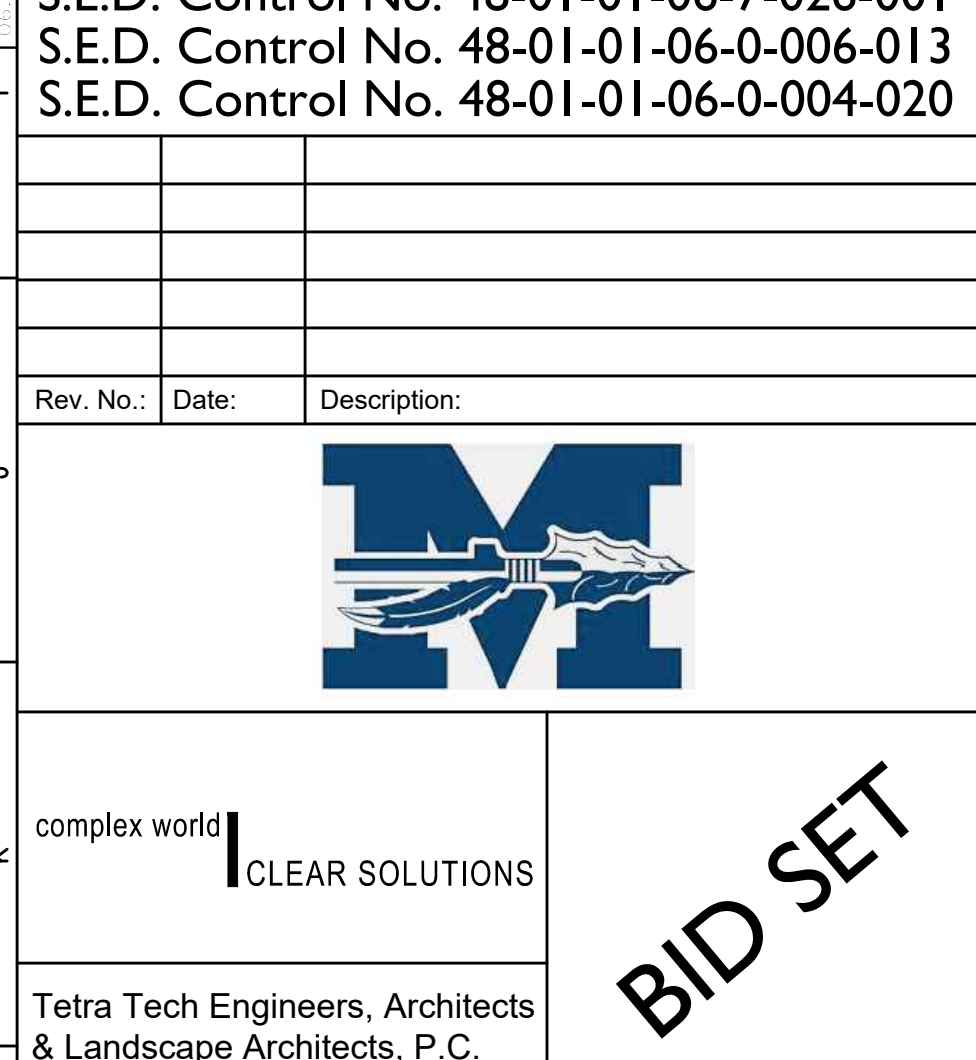
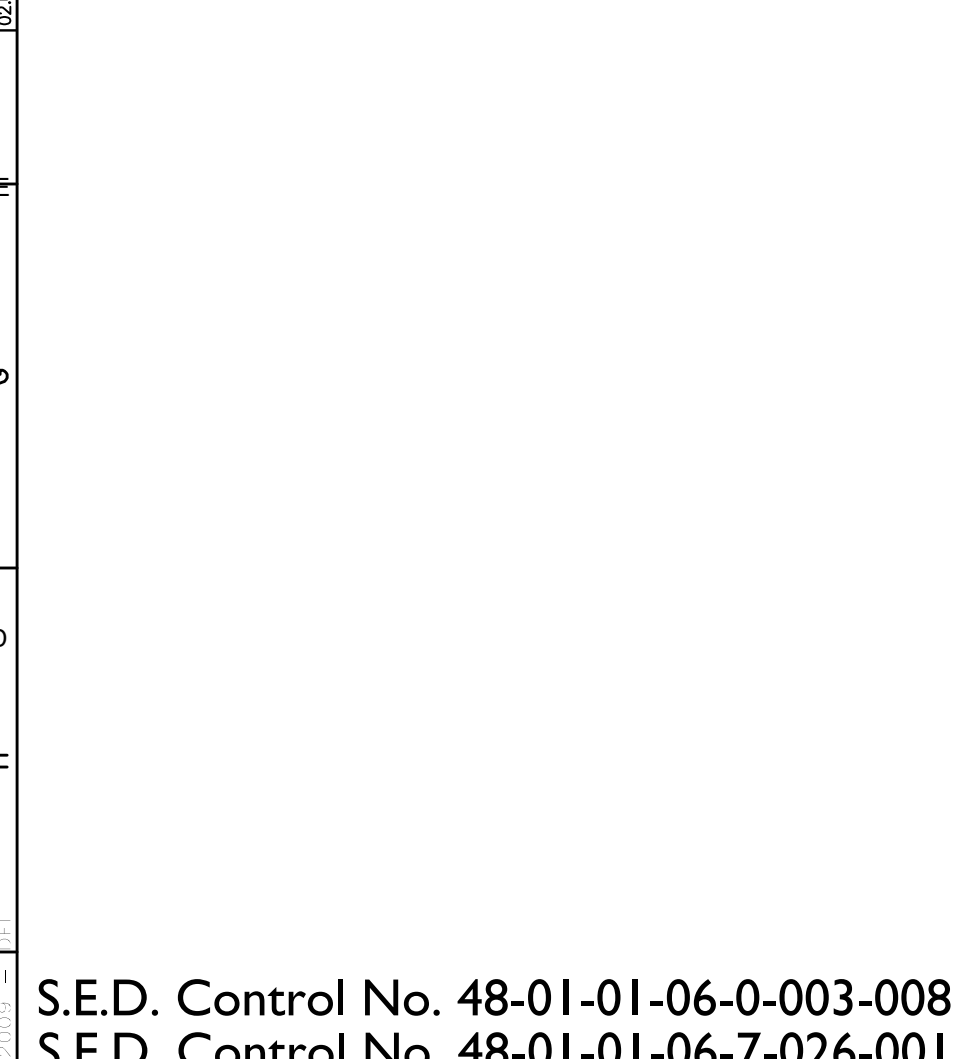
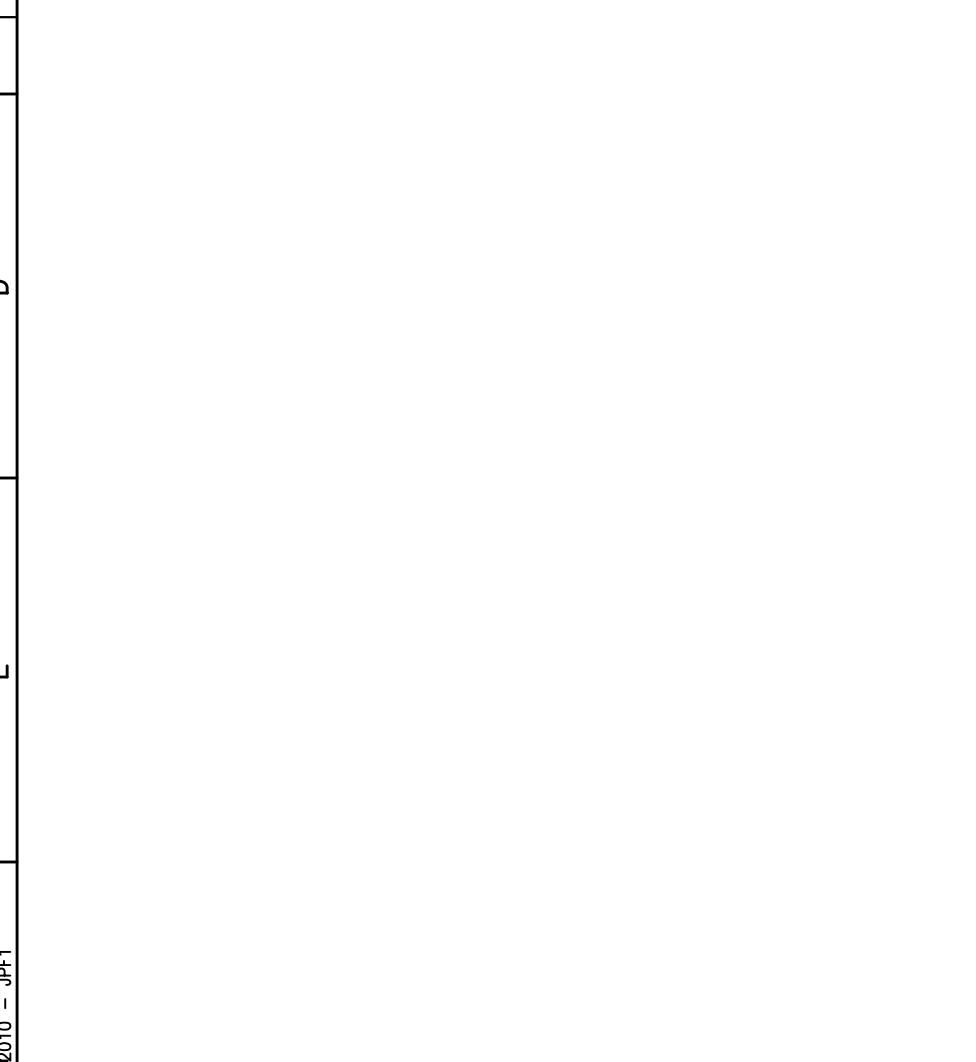
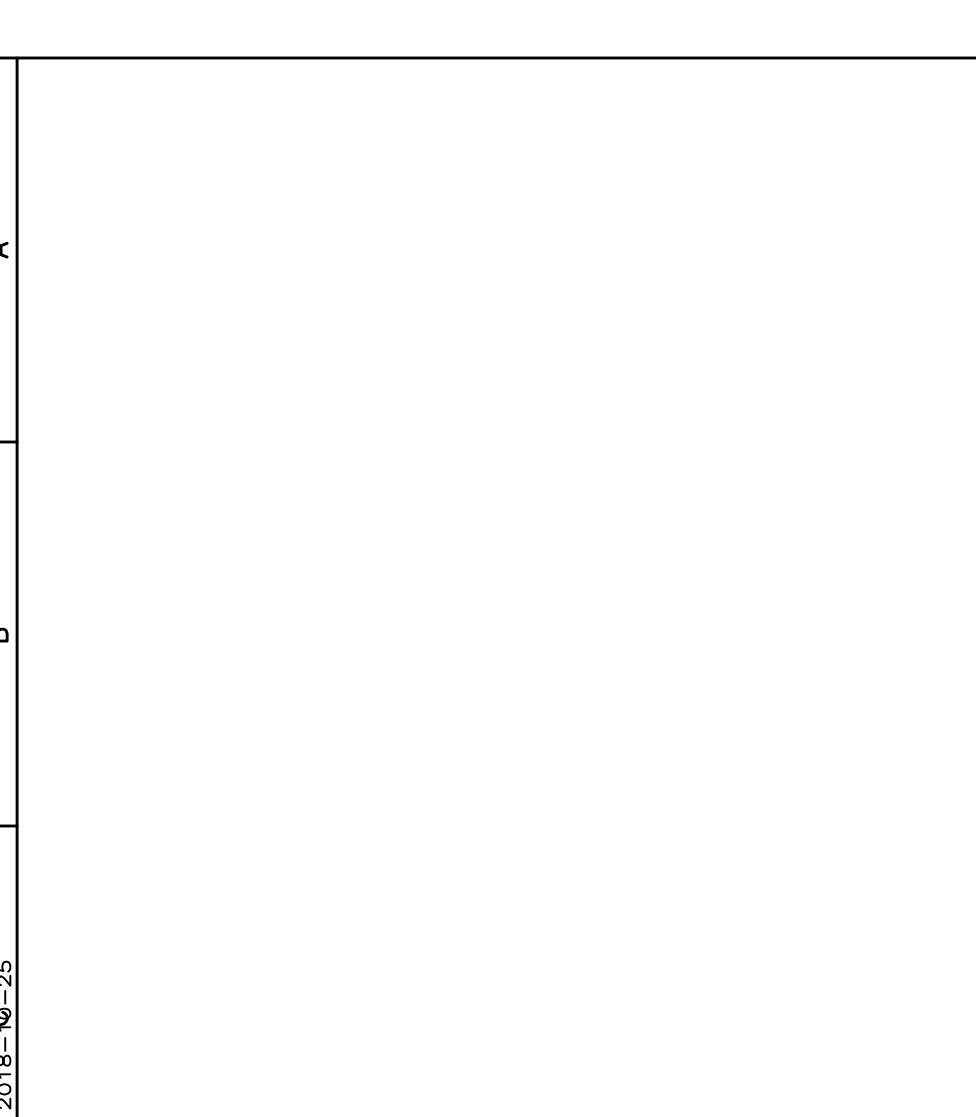
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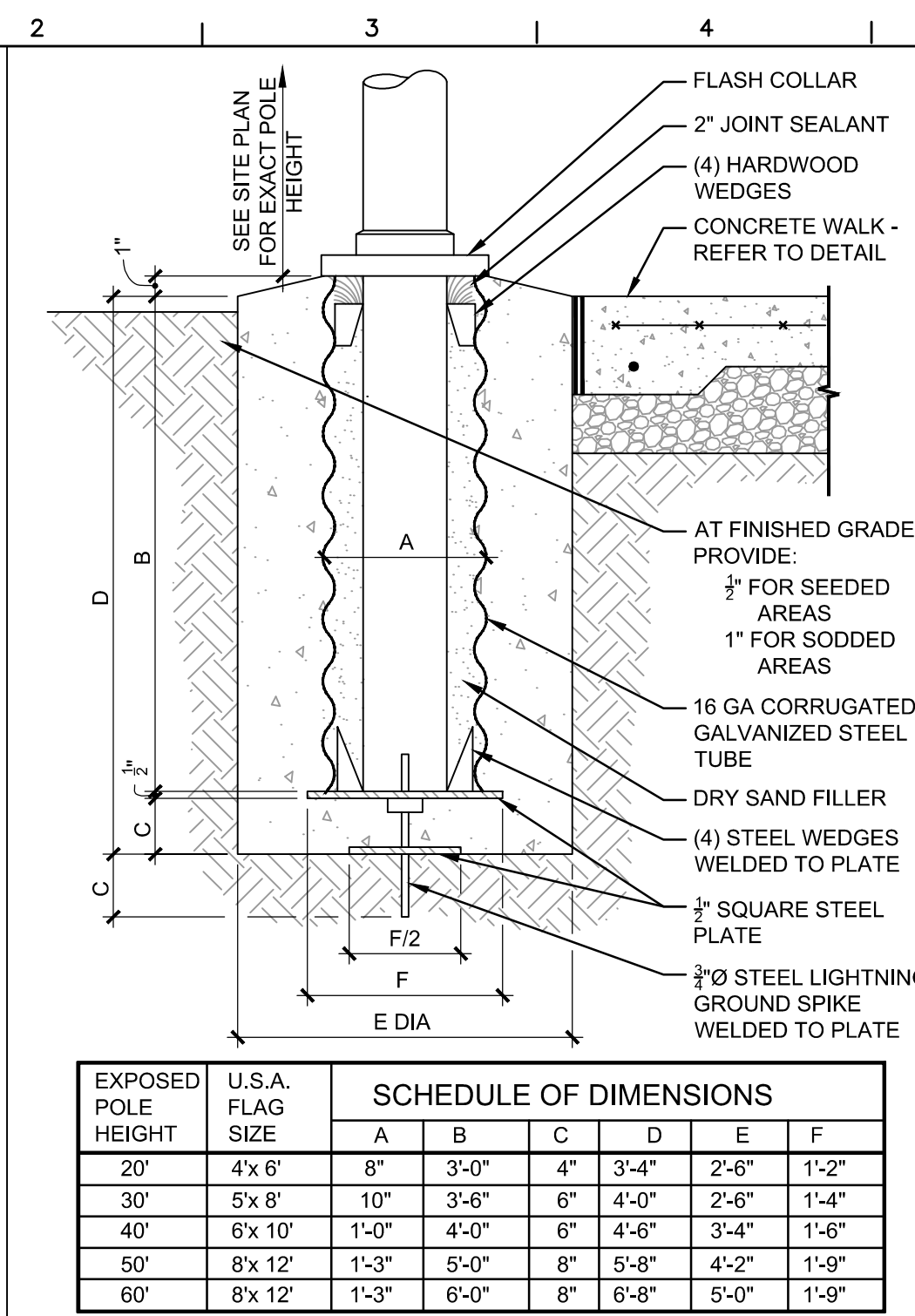
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac Campus
(High School / Middle School)

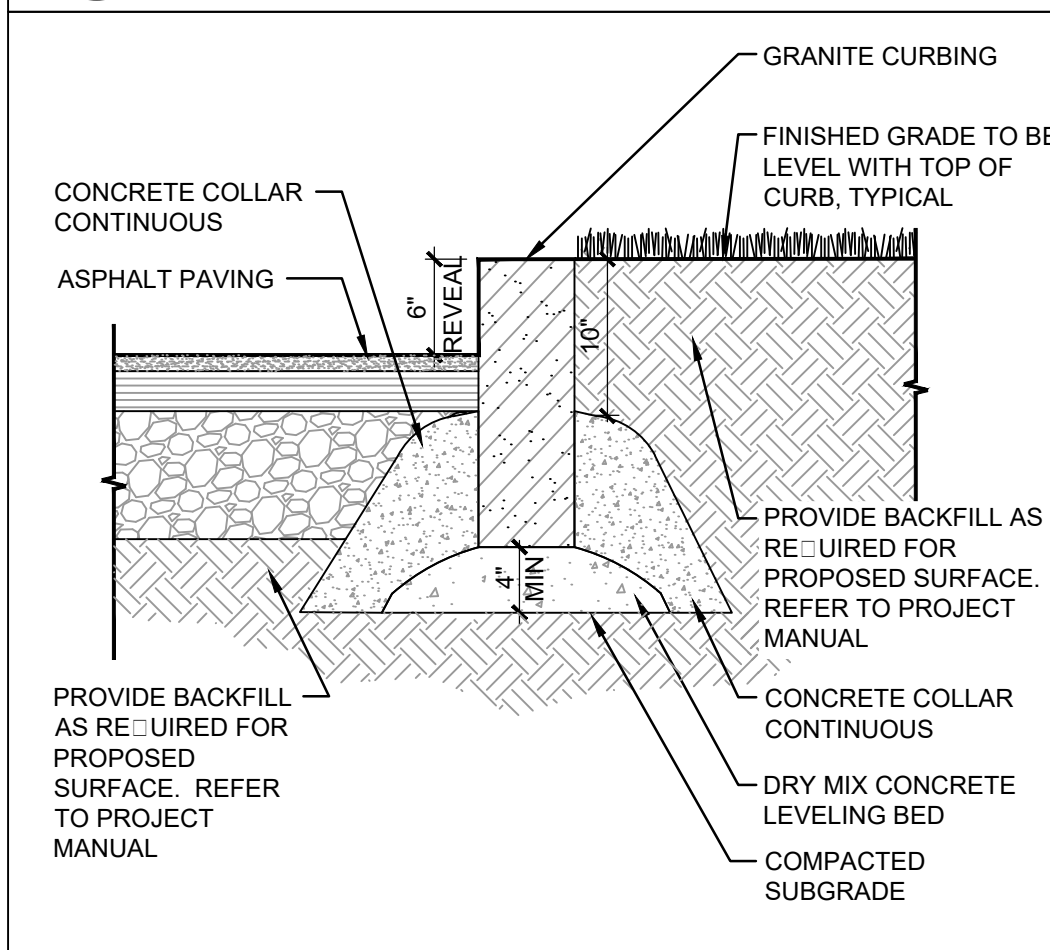
Site Details

Drawn by: JRS Date: 06/21/20 Drawing No.:
T= Project No.: 121111-19002
ZC500

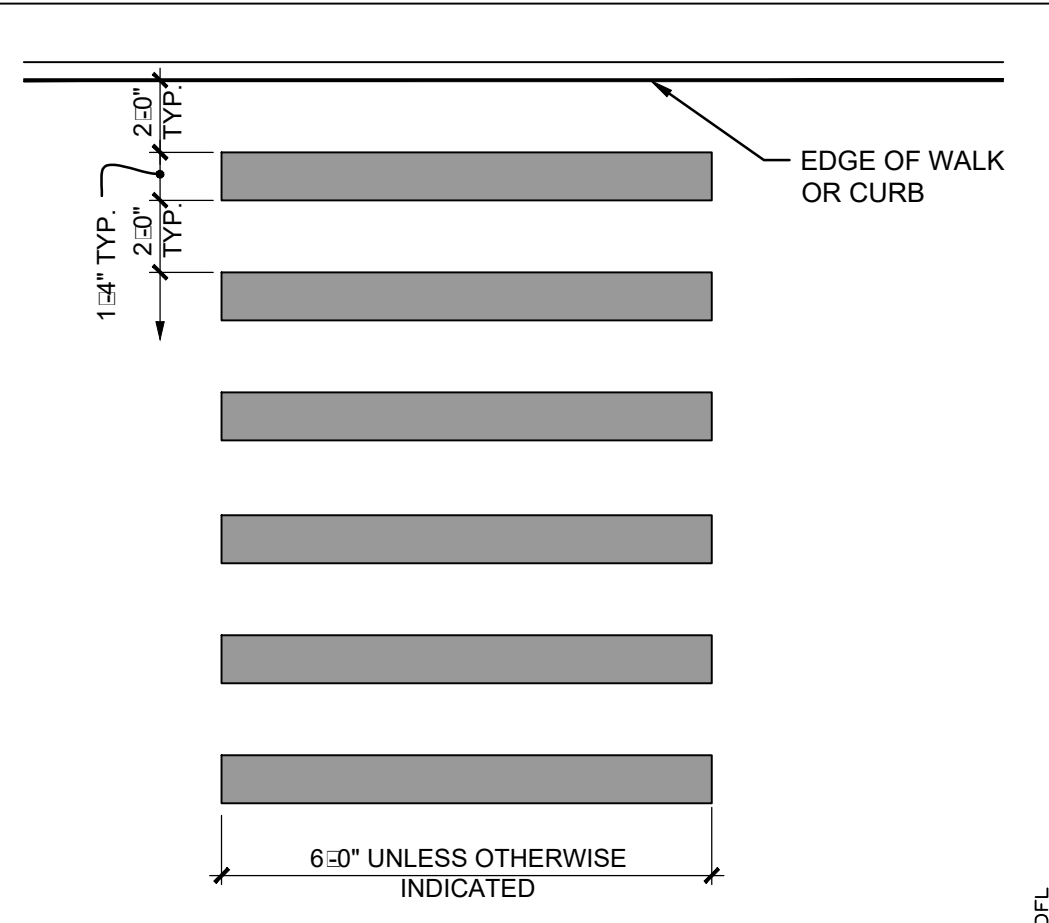




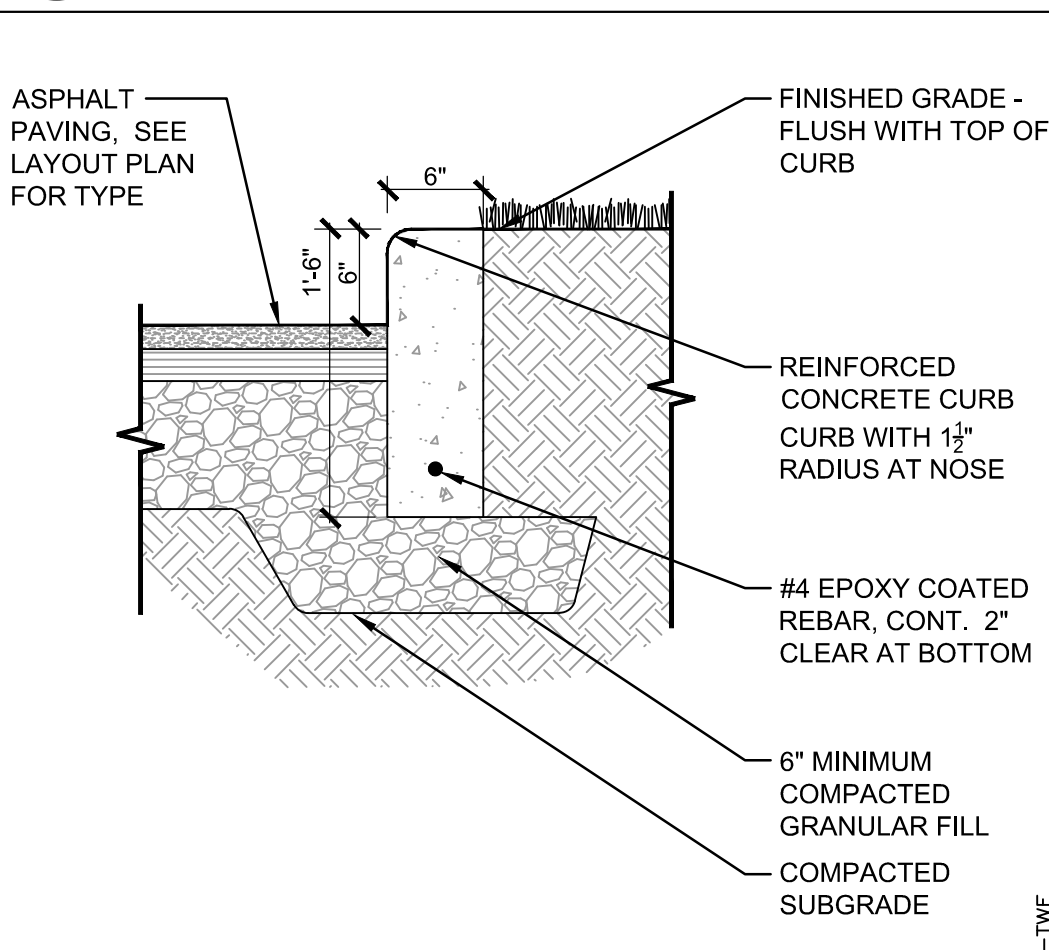
19 Flagpole Base
NTS



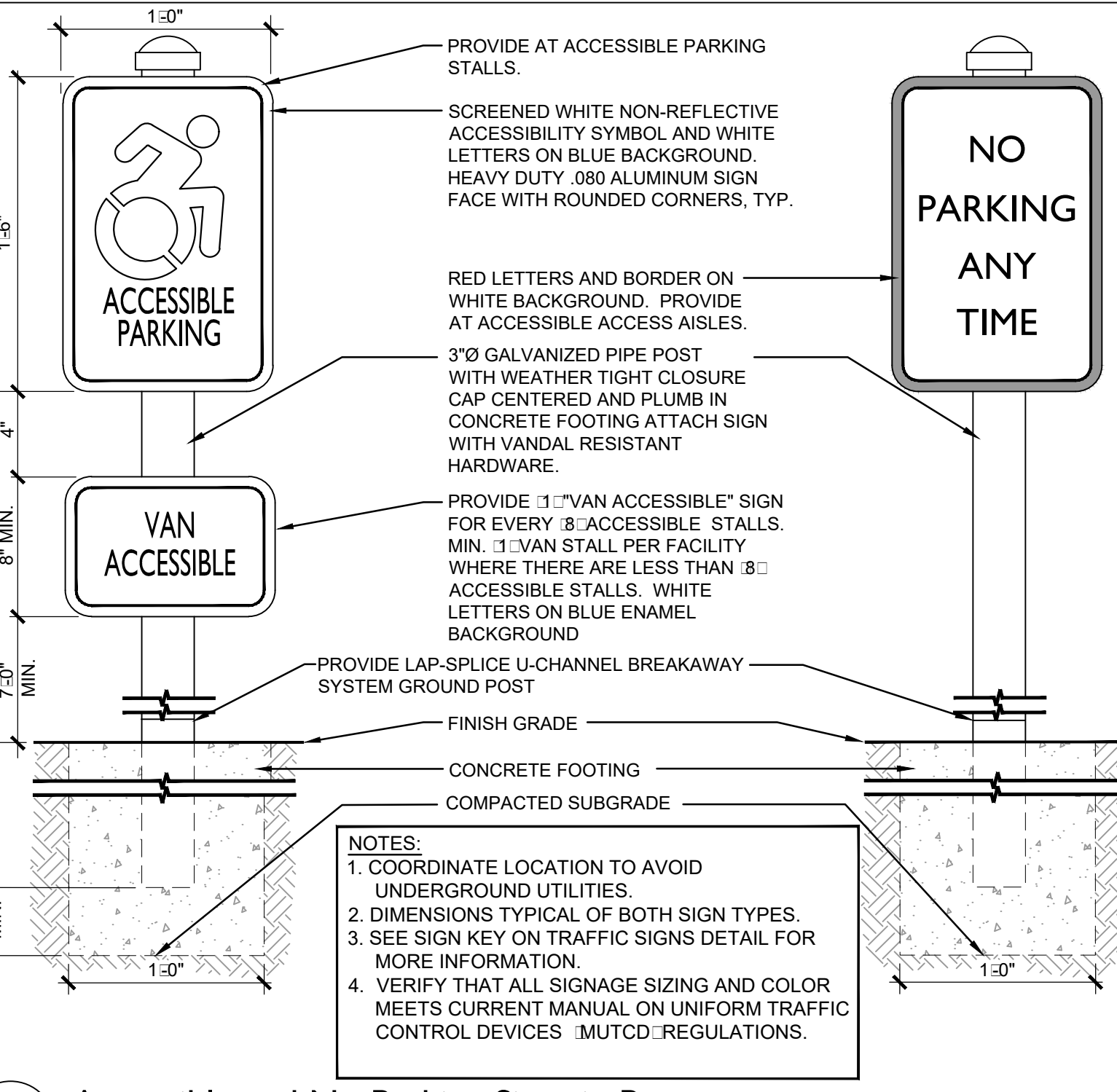
20 Granite Curb at Lawn
NTS



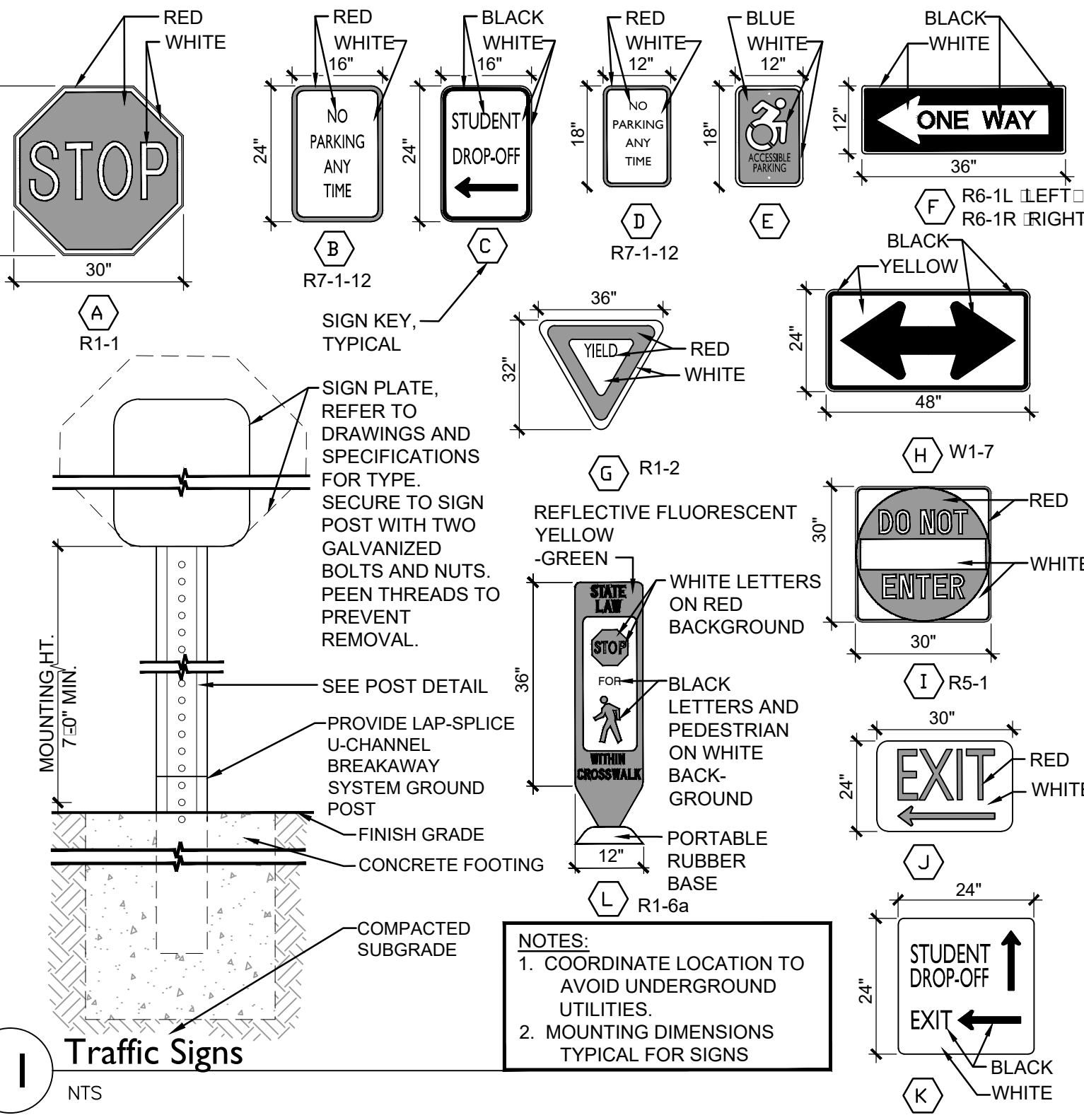
13 Painted Crosswalk
N.T.S.



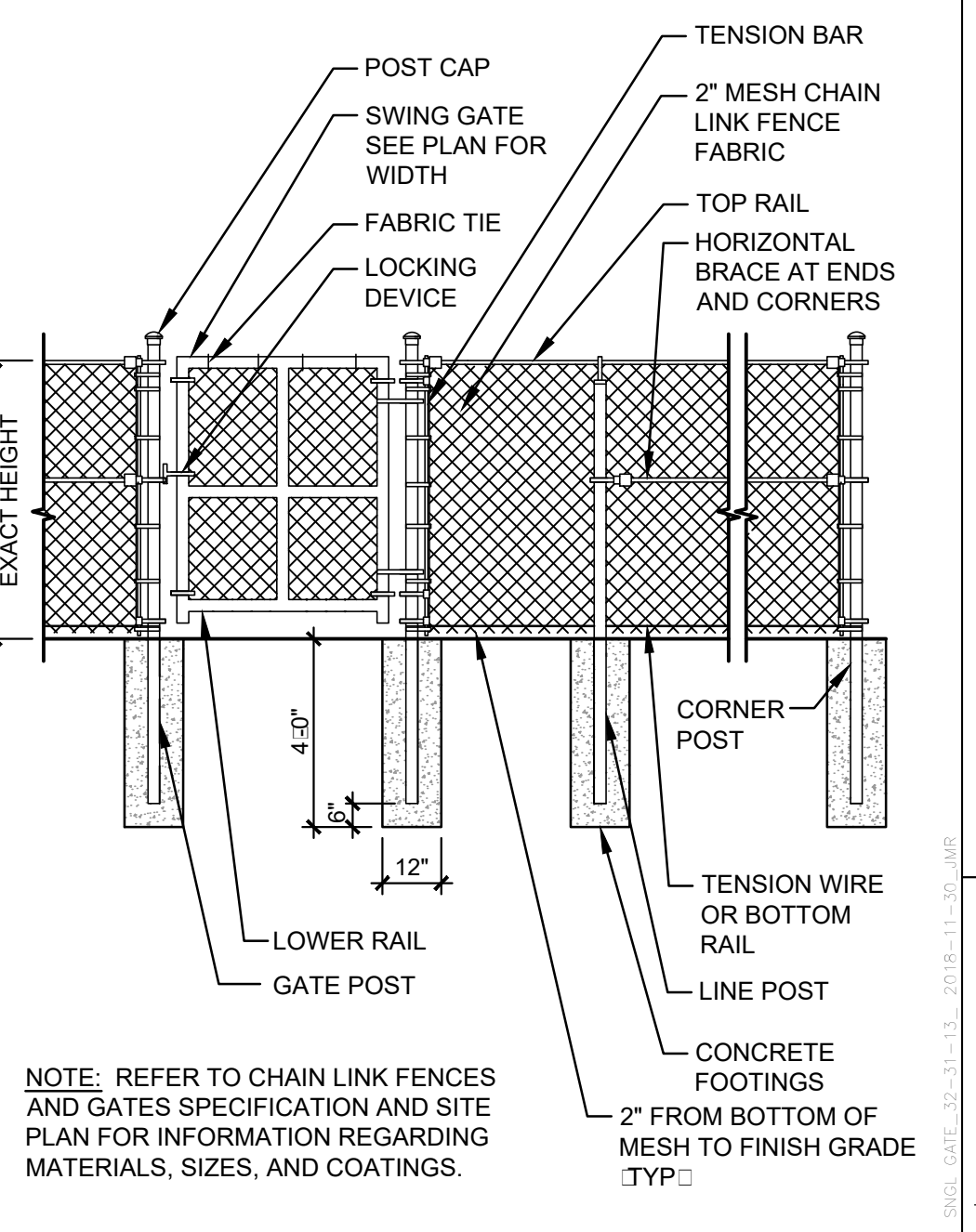
14 Concrete Curb at Lawn
NTS



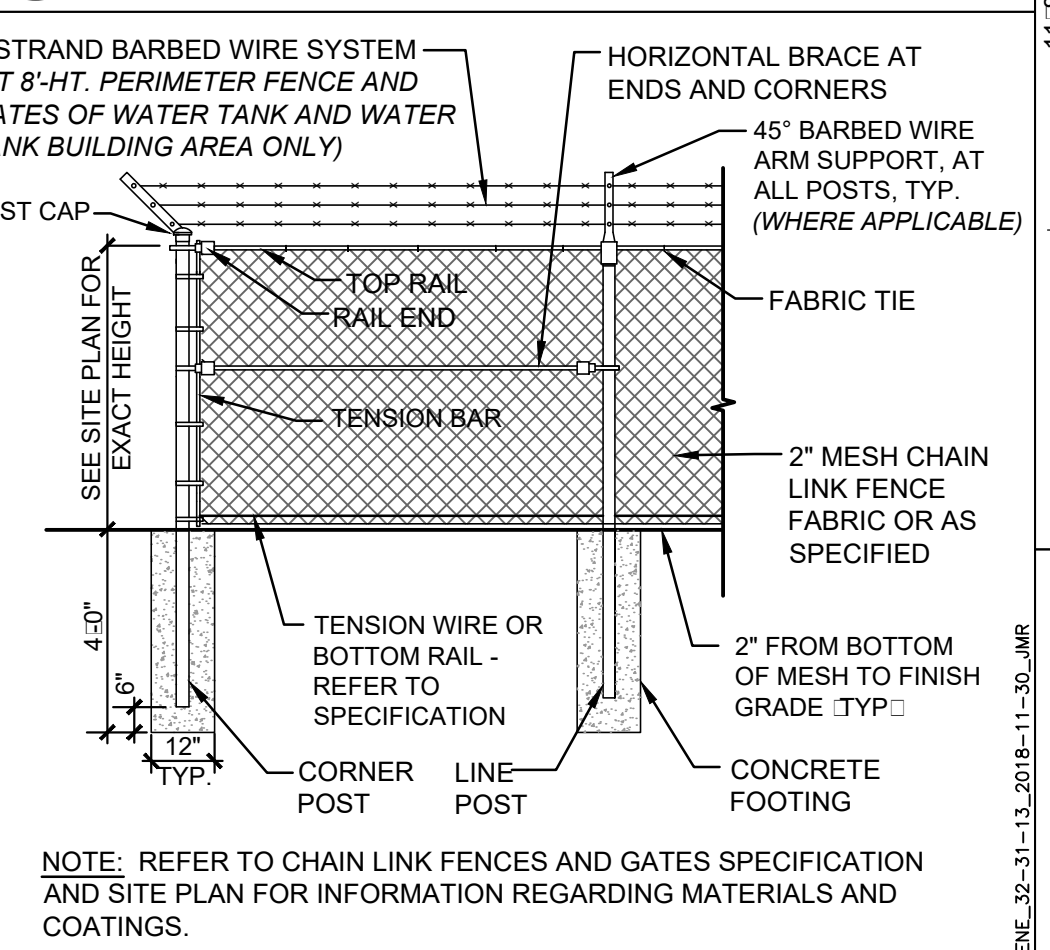
10 Accessible and No Parking Signs in Pavement
N.T.S.



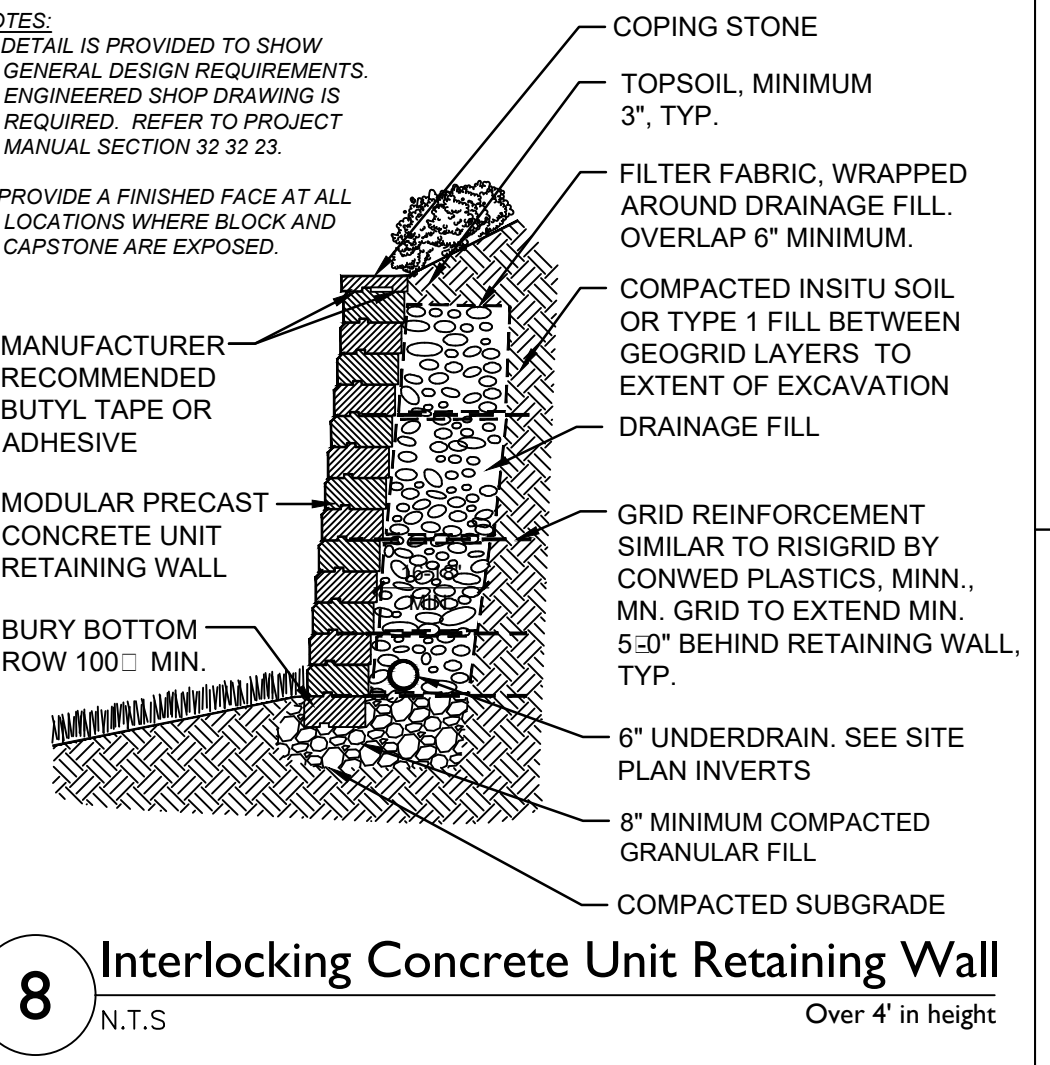
11 Traffic Signs
NTS



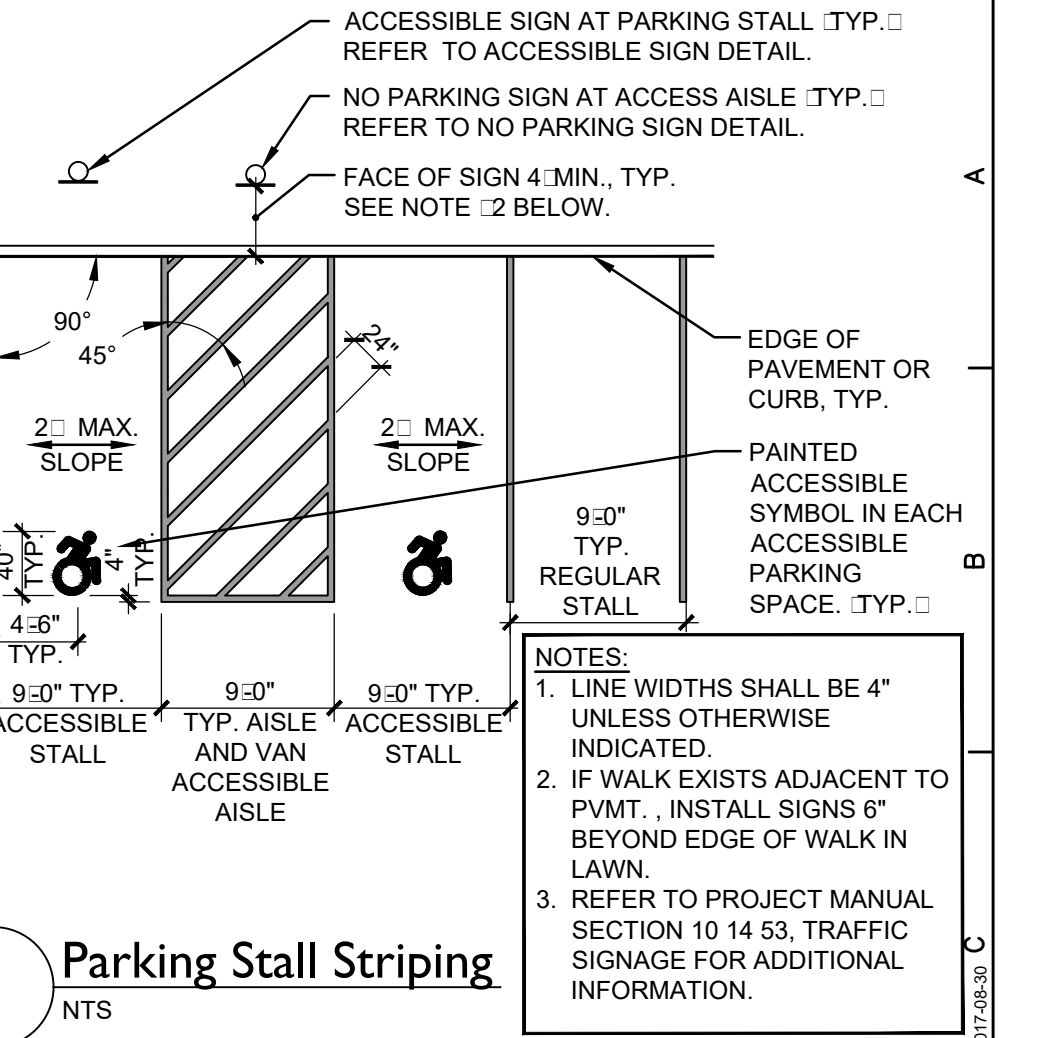
6 Chain Link Fence with Single Gate
NTS



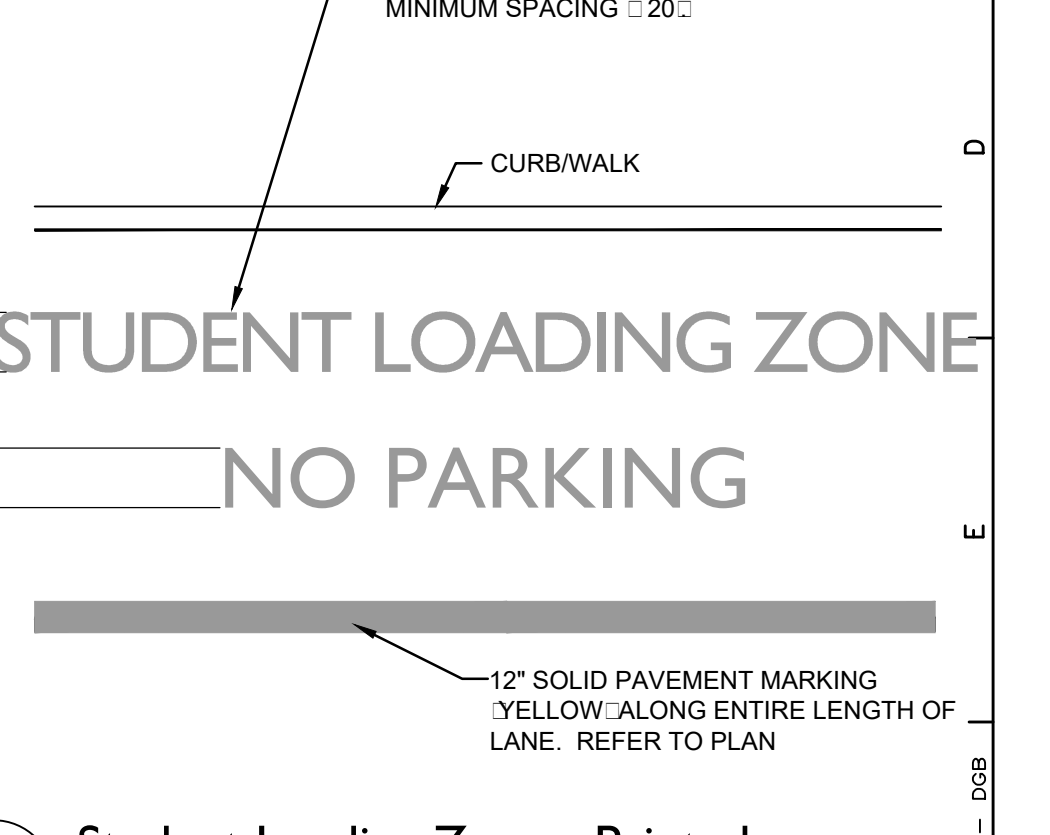
7 Chain Link Fence
NTS



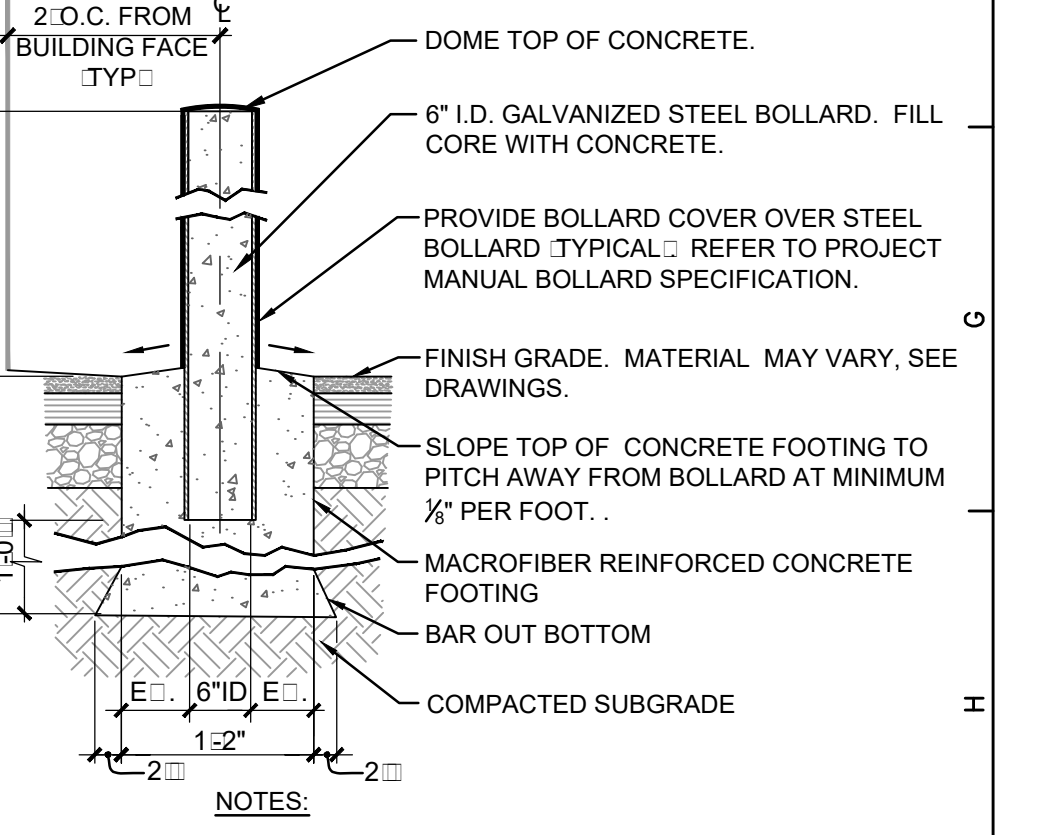
8 Interlocking Concrete Unit Retaining Wall
N.T.S.



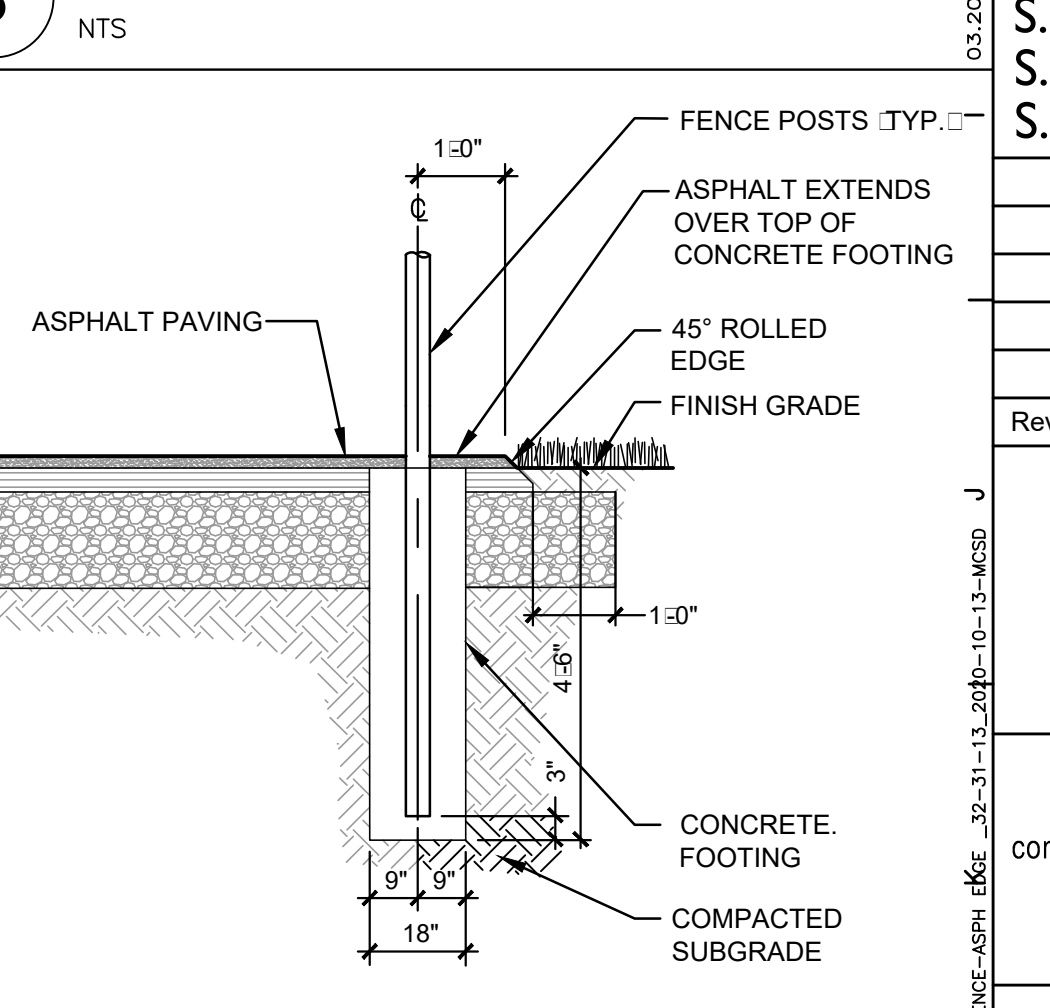
1 Parking Stall Striping
NTS



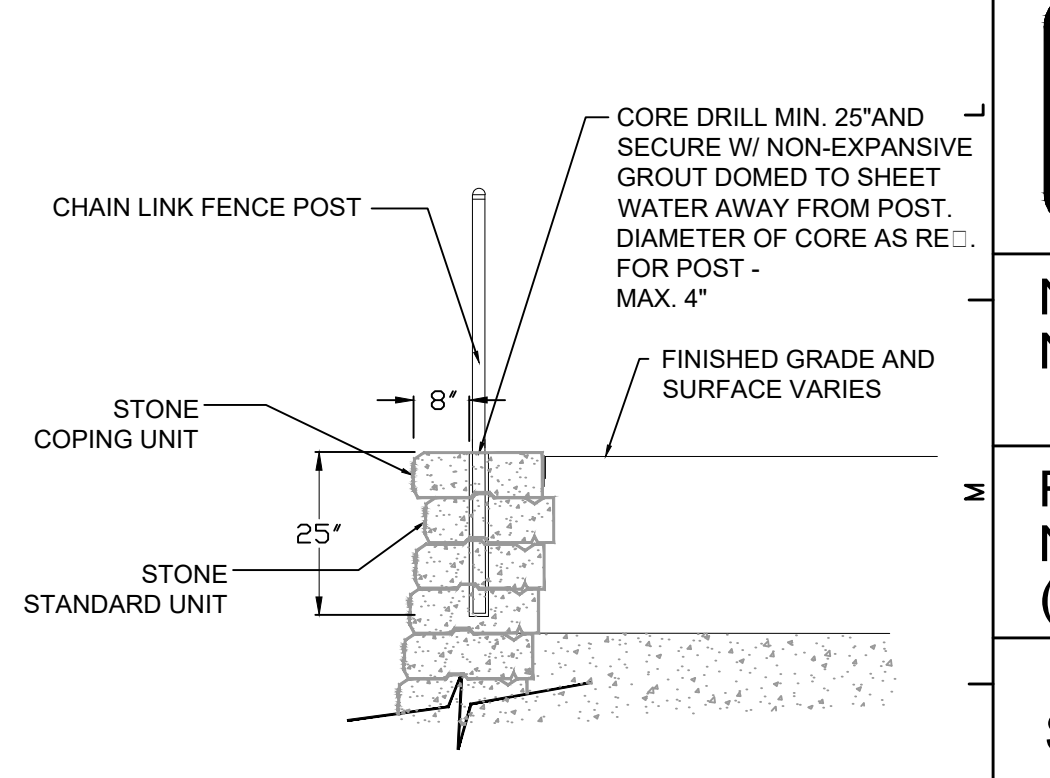
2 Student Loading Zone - Painted
NTS



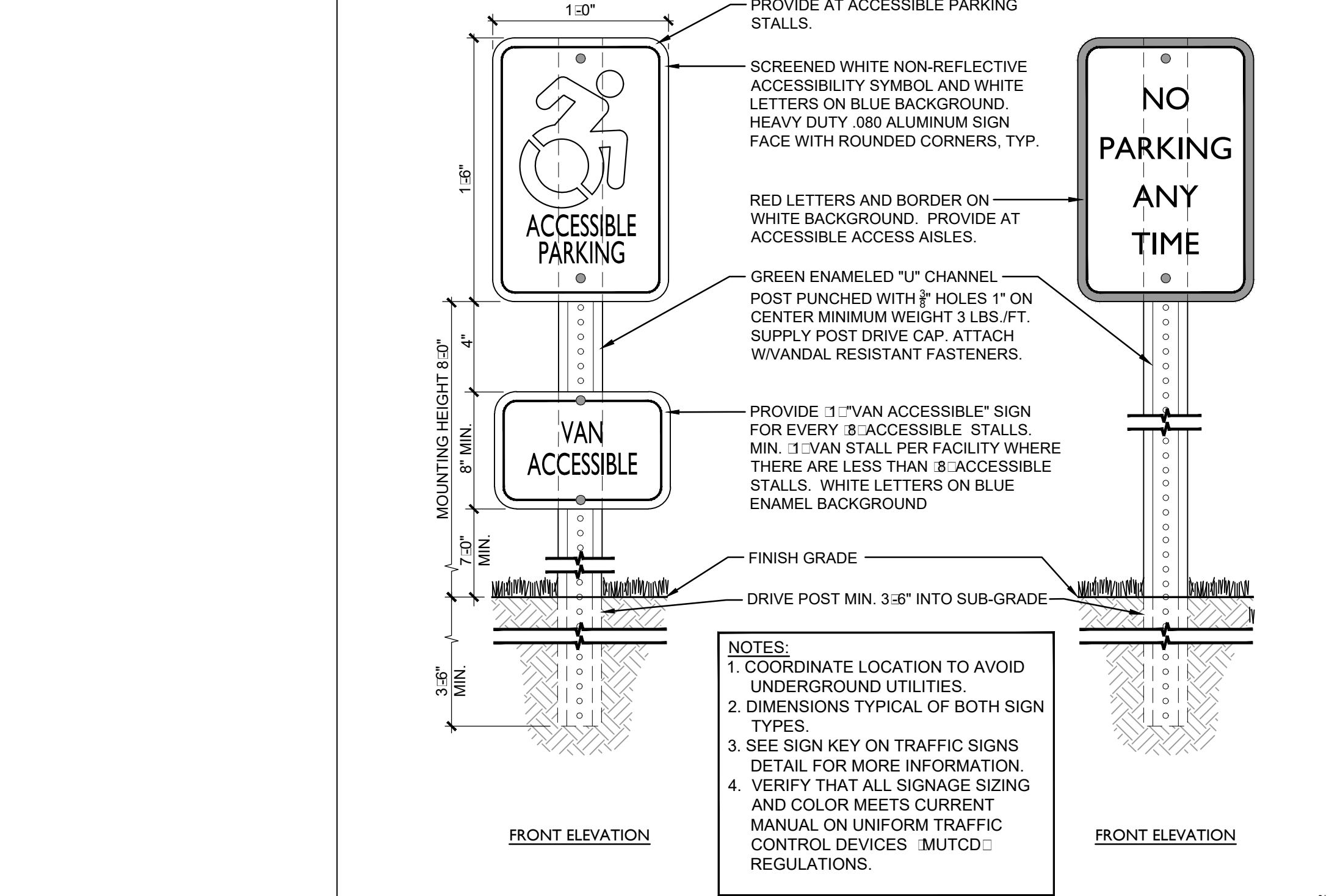
3 Bollard - Steel Pipe with Bollard Cover
NTS



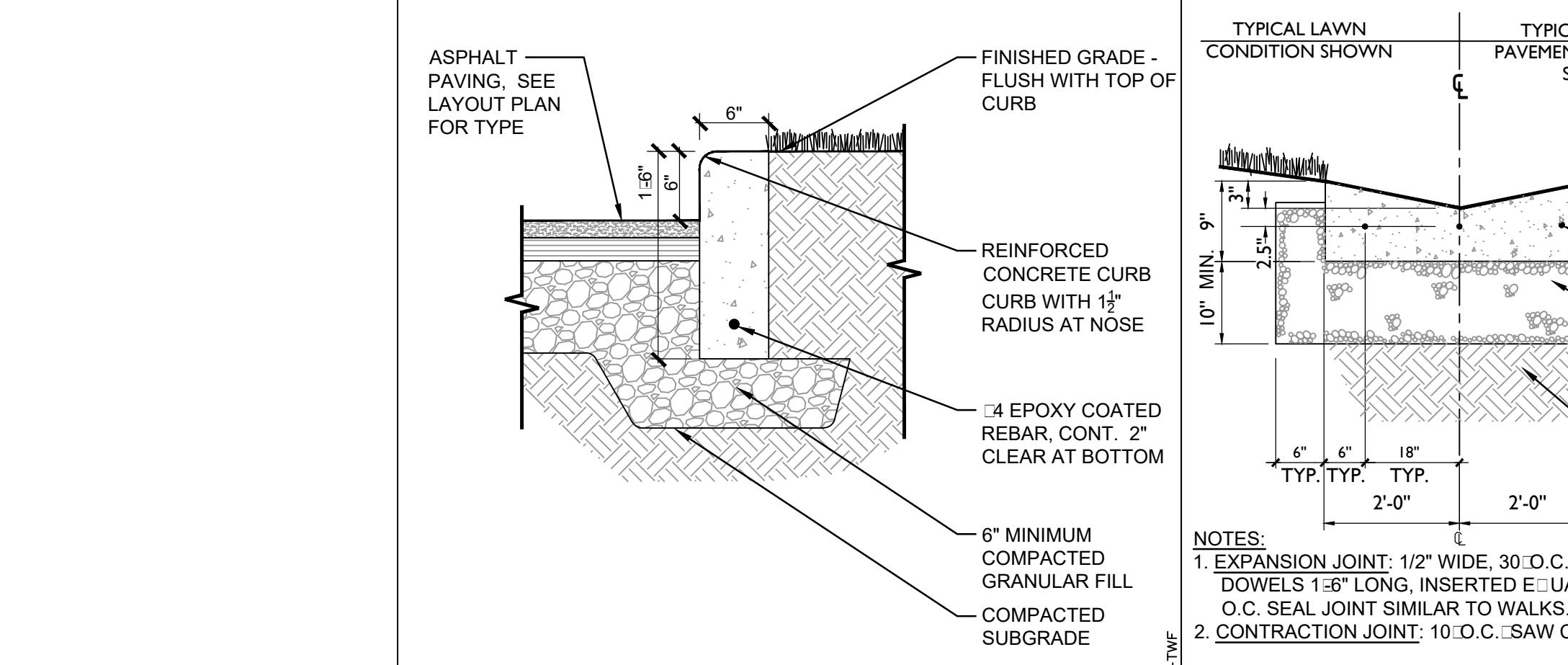
4 Chainlink Fence Post and Edge Detail
NTS



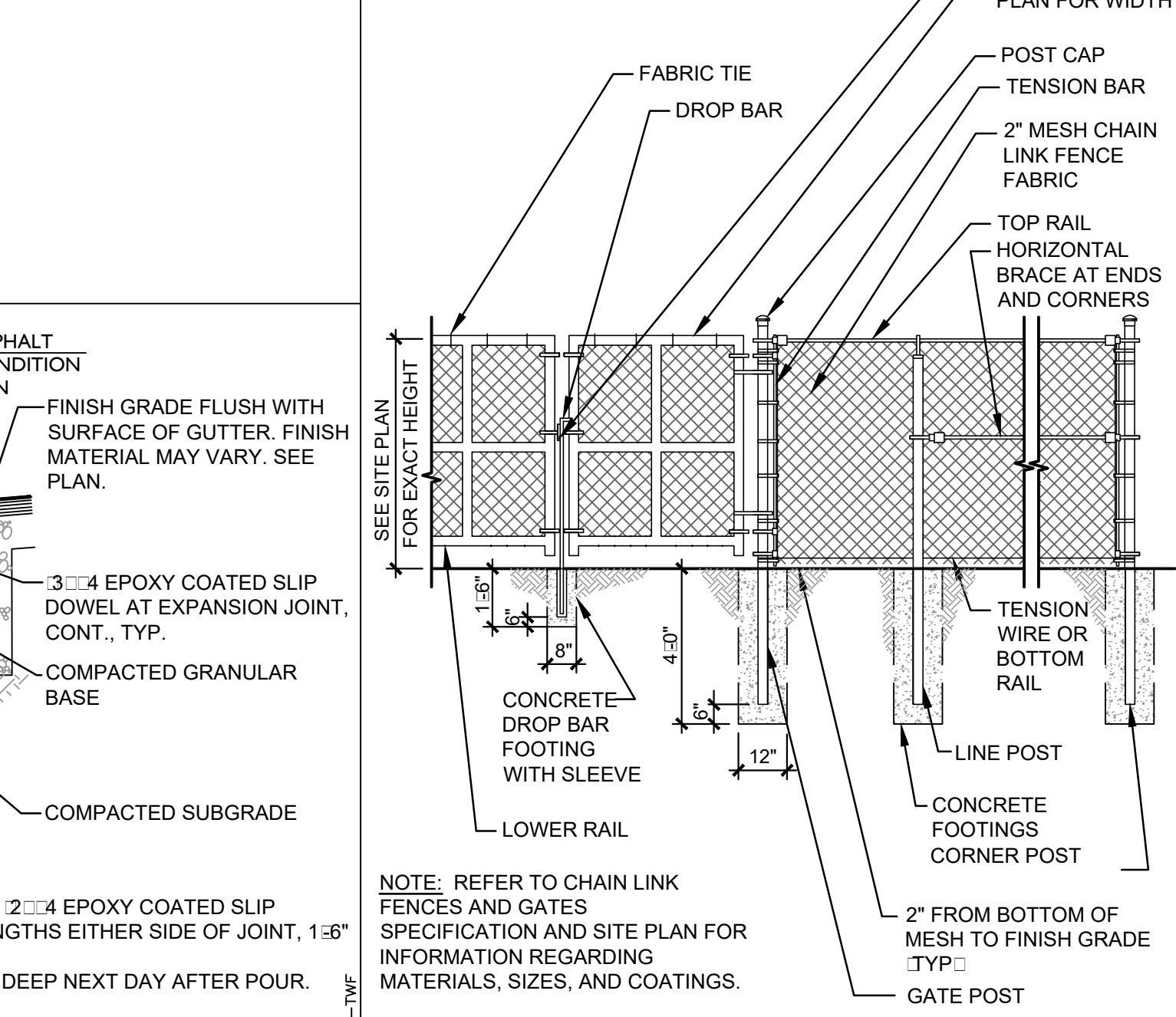
5 Retaining Wall Fence Mounting Detail
N.T.S.



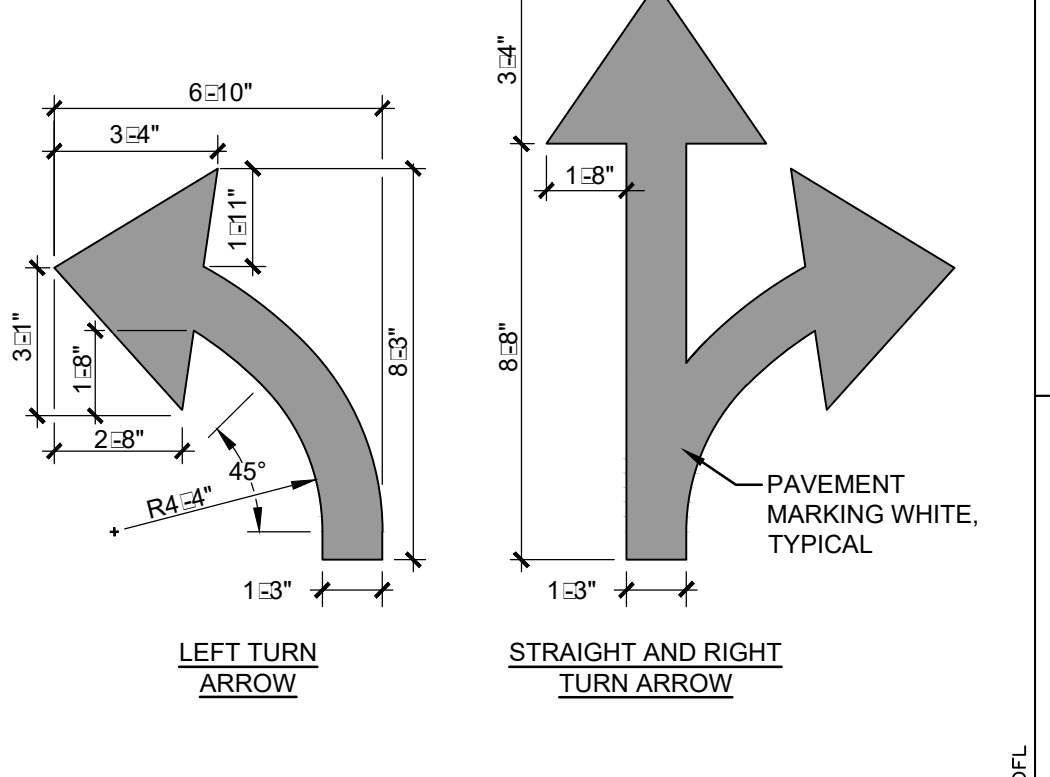
15 Accessible and No Parking Sign with -U- Channel Post in Lawn
NTS



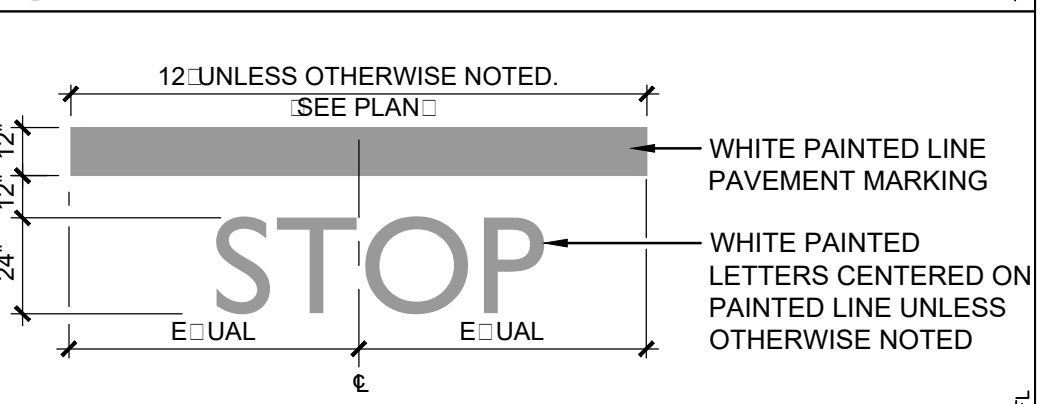
18 Concrete Curb at Lawn
NTS



12 Chain Link Fence with Double Gates
NTS



9 Traffic Arrows - Painted
NTS



16 Painted Stop and Line
NTS

S.E.D. Control No. 48-01-01-06-0-003-008
S.E.D. Control No. 48-01-01-06-7-026-001
S.E.D. Control No. 48-01-01-06-0-006-013
S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.: Date: Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

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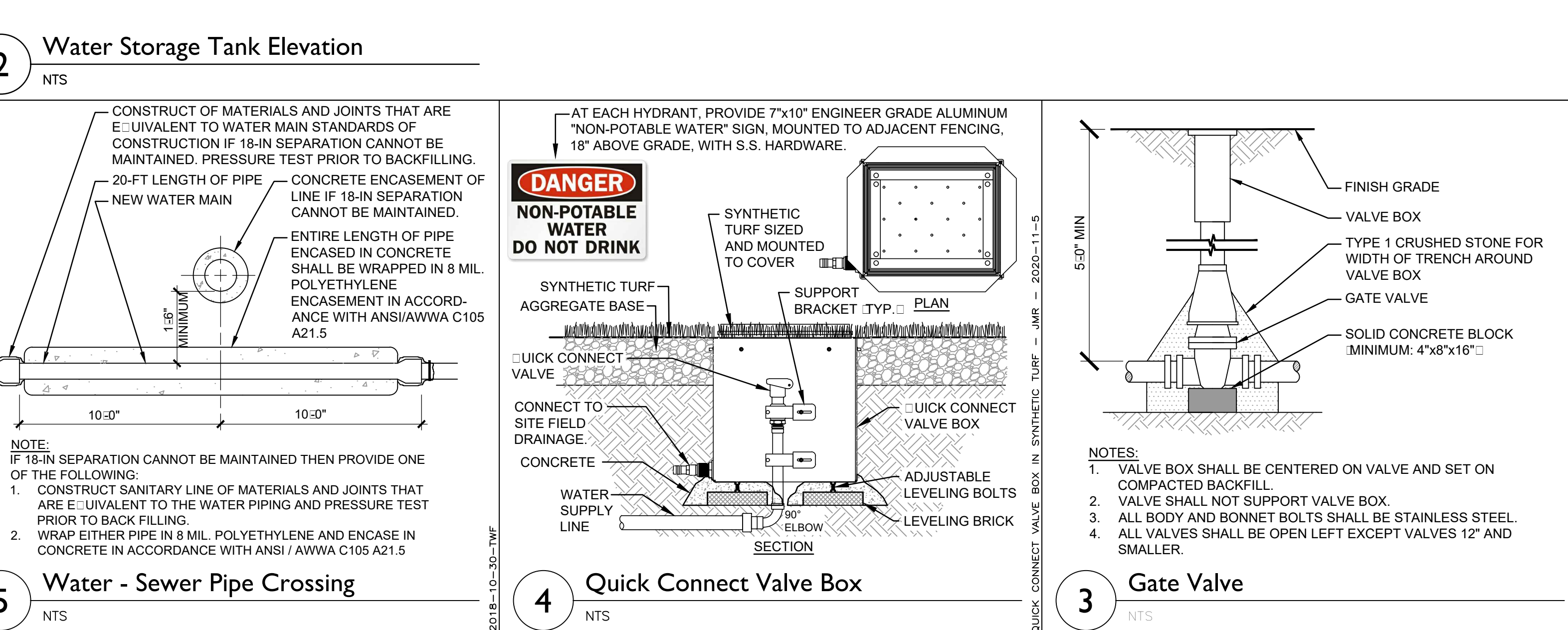
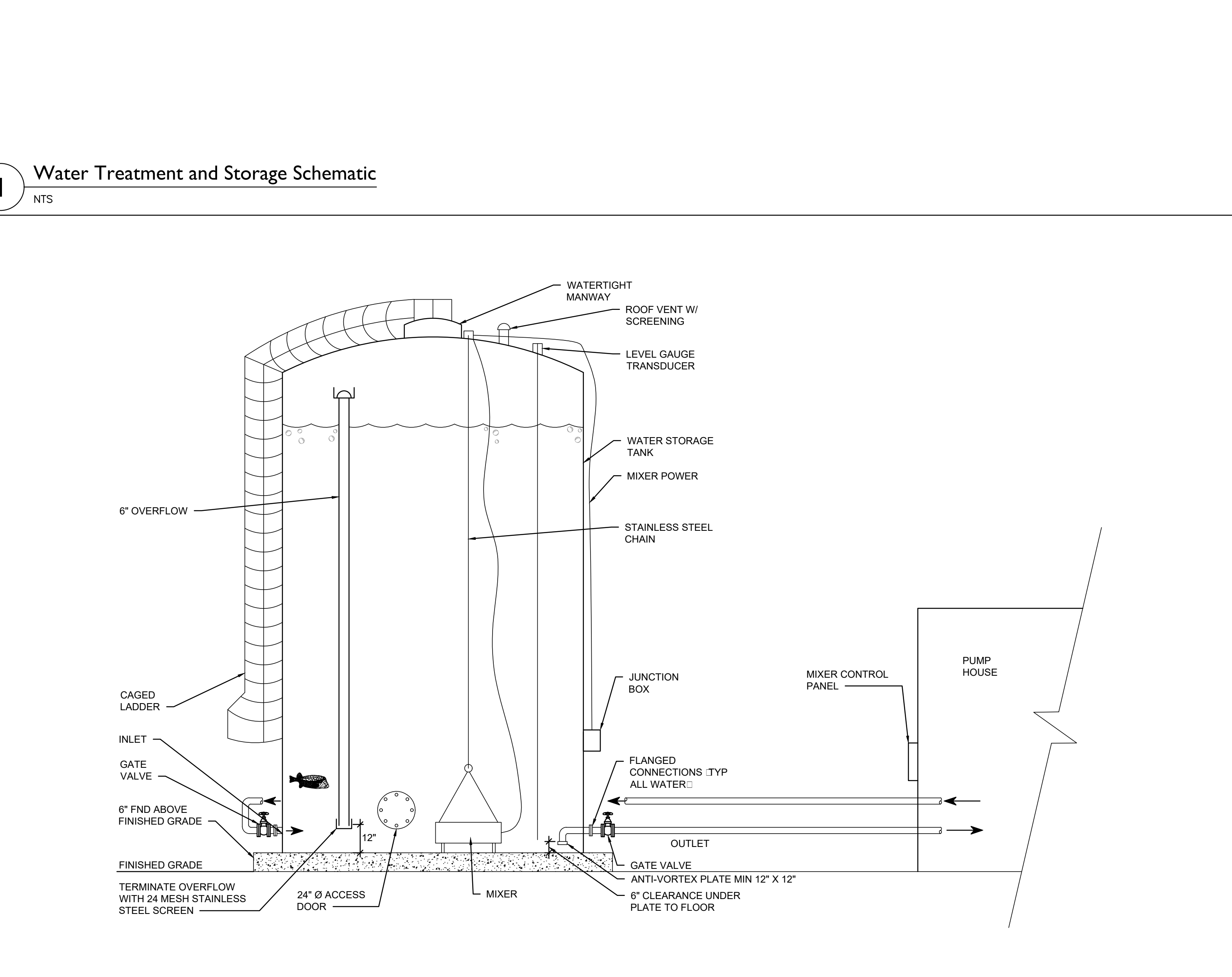
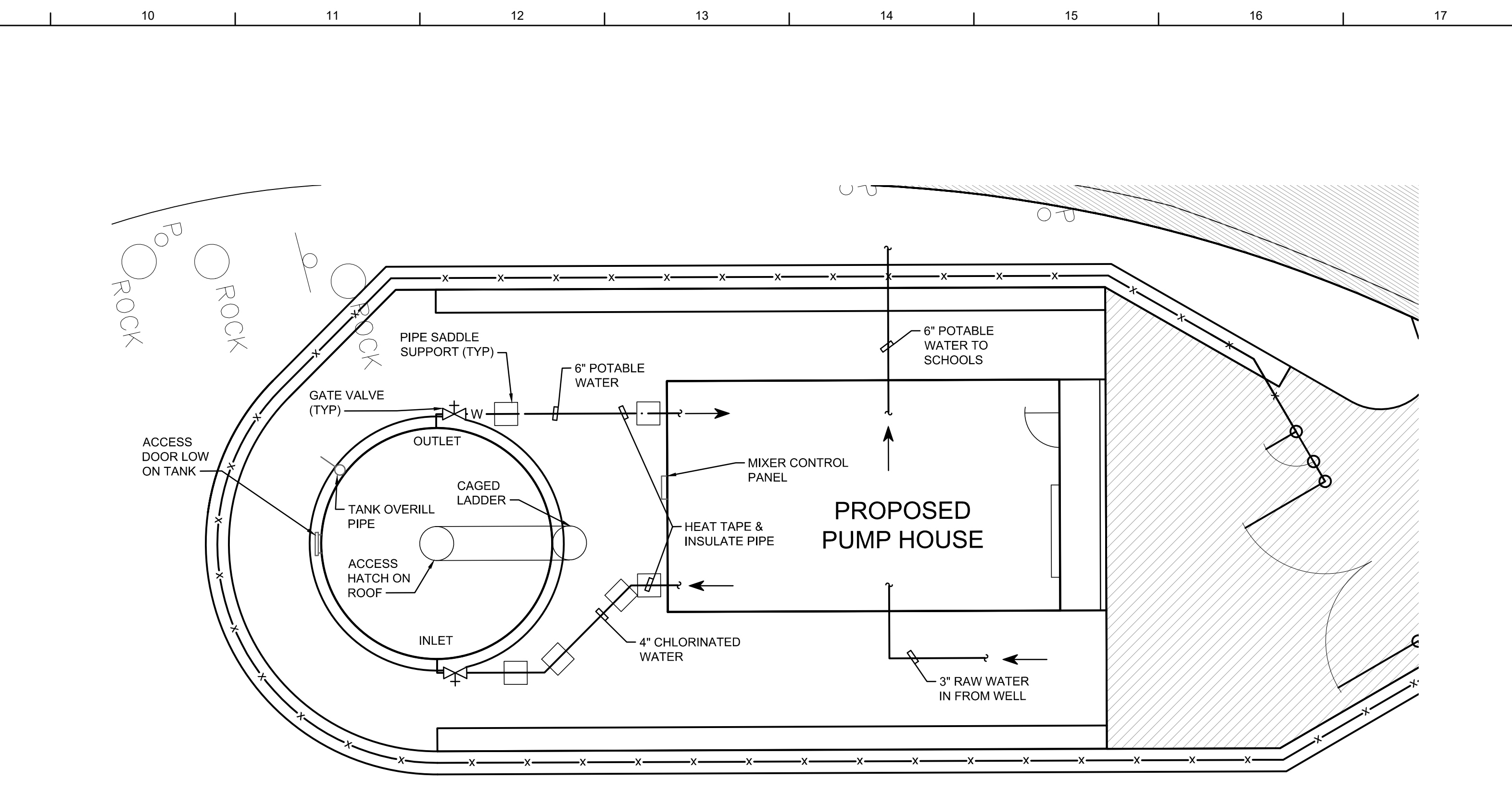
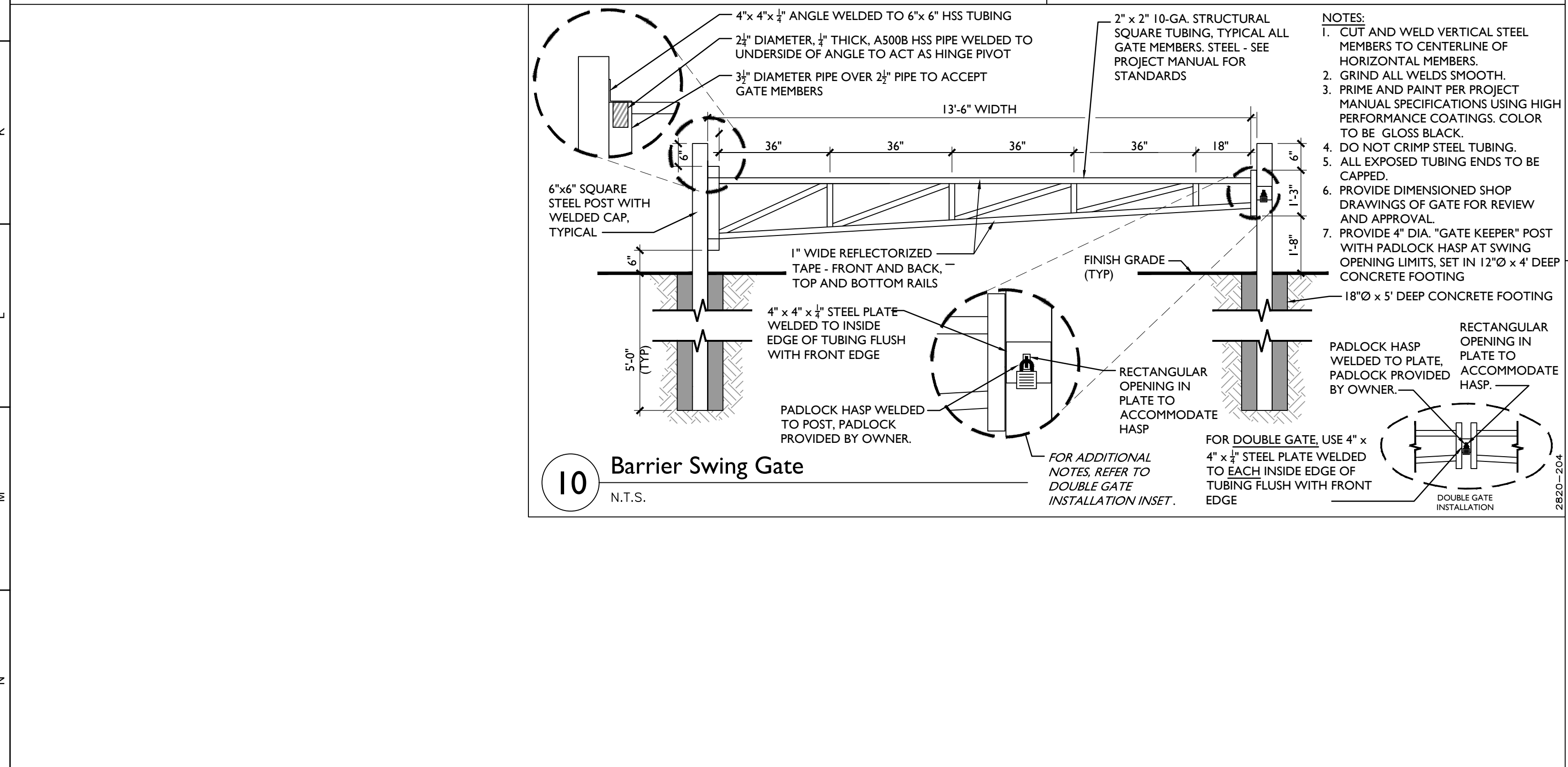
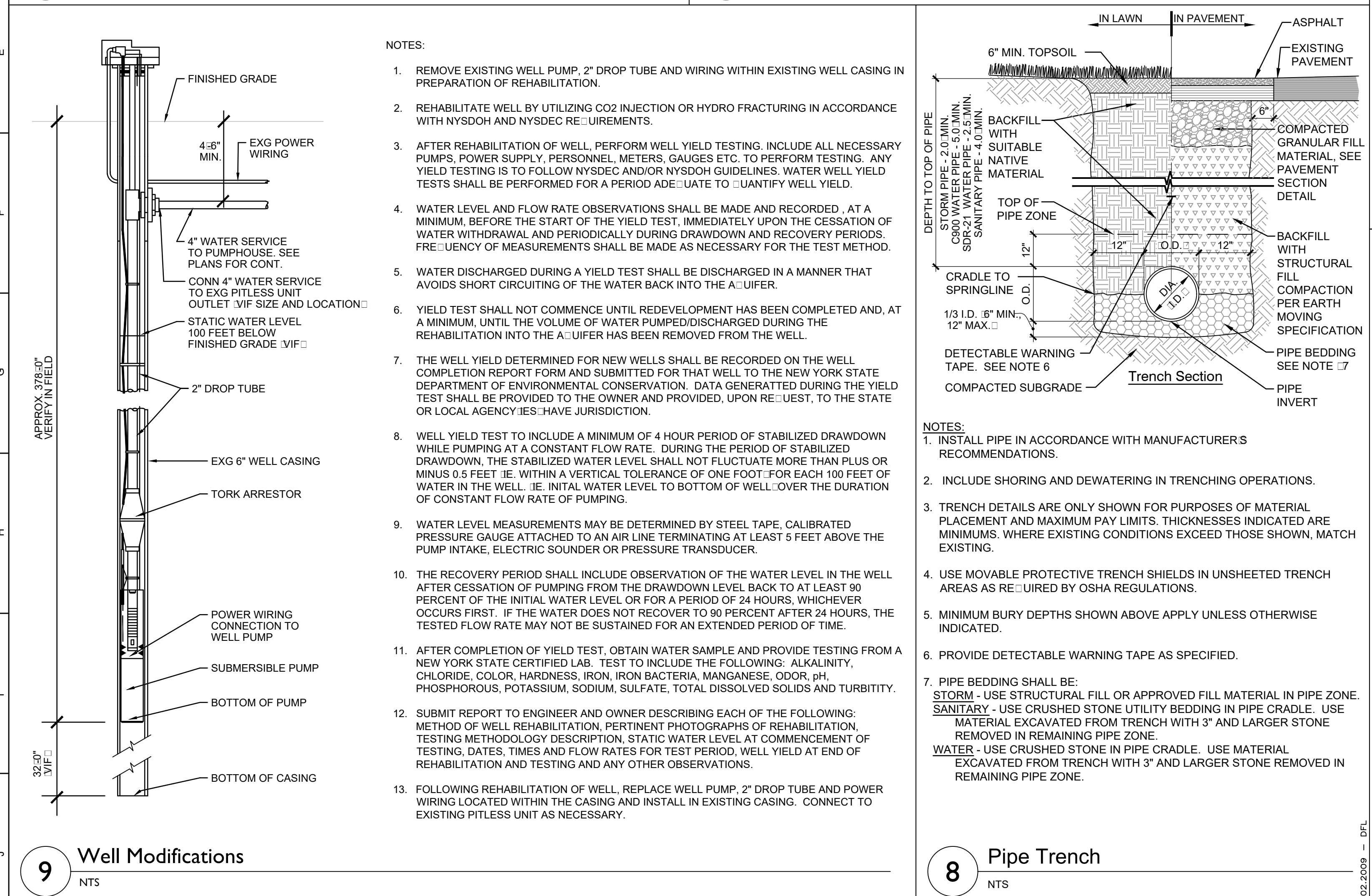
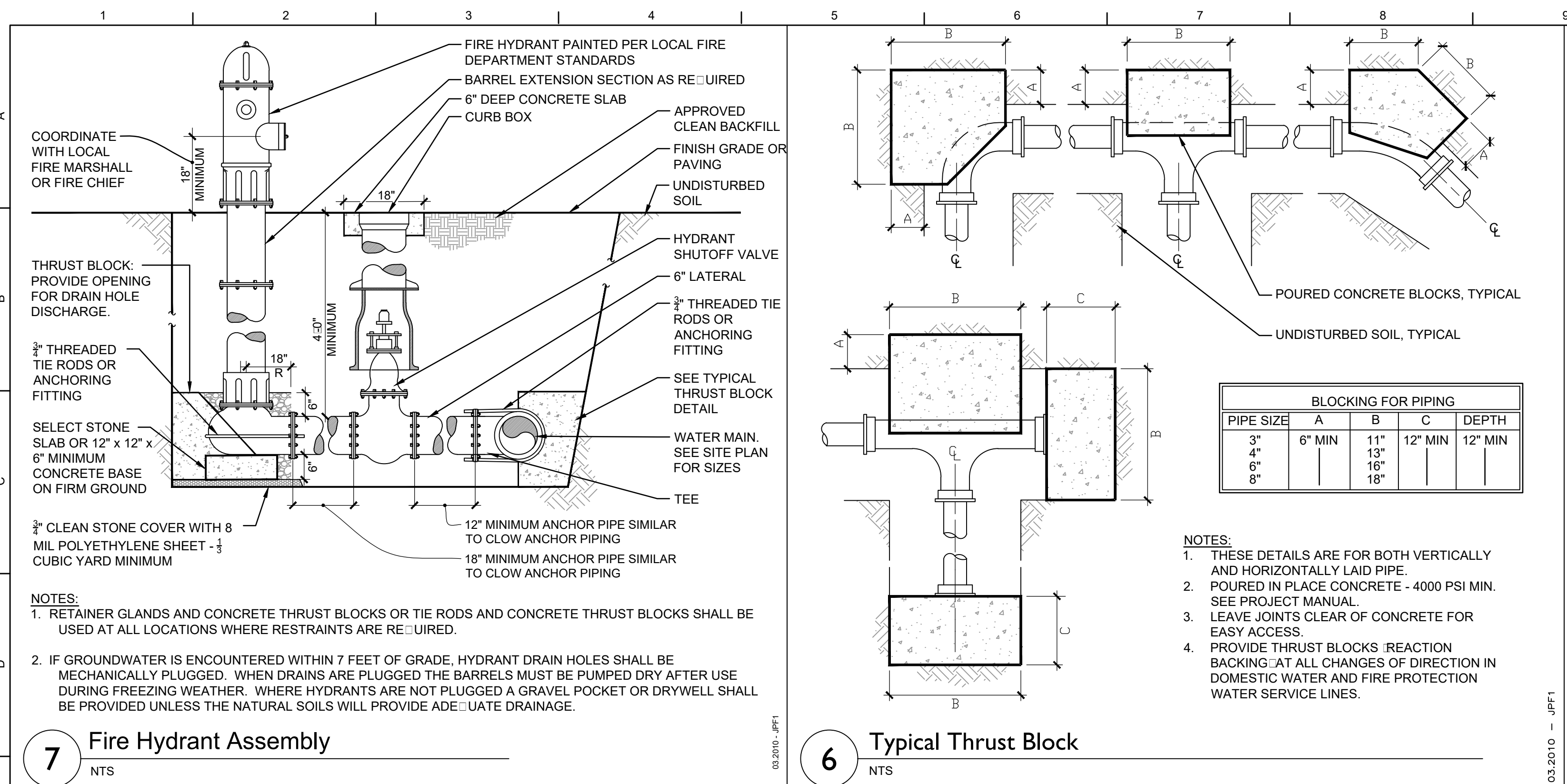
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac Campus
(High School / Middle School)

Site Details

Drawn by: JRS Date: 06/21/20 Drawing No.: T+ Project No.: 121111-19002

ZC503



S.E.D. Control No. 48-01-01-06-0-003-008
S.E.D. Control No. 48-01-01-06-7-026-001
S.E.D. Control No. 48-01-01-06-0-006-013
S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.: Date: Description:

TETRA TECH
ARCHITECTS & ENGINEERS

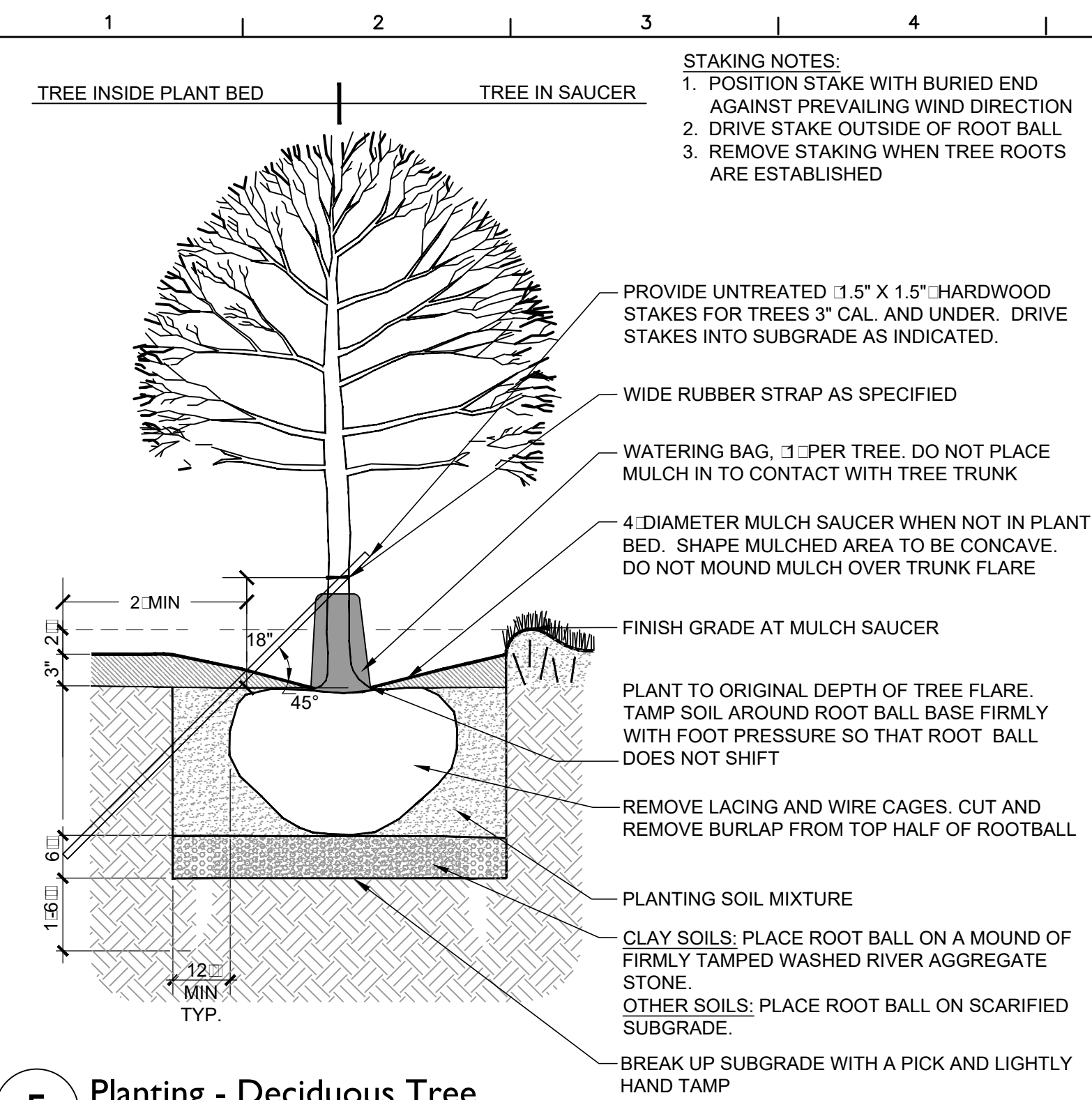
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac Campus
(High School / Middle School)

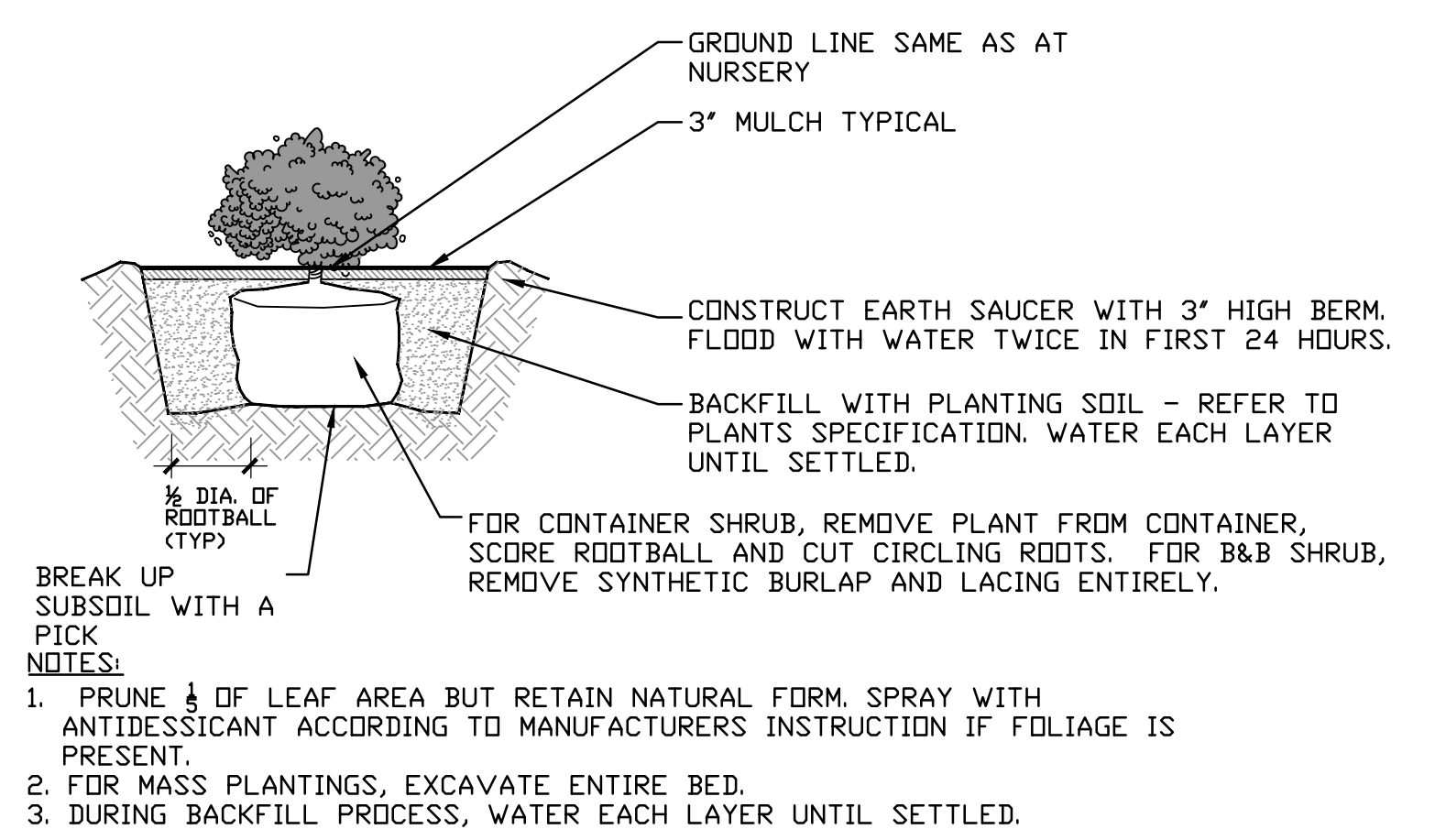
Site Details

Drawn by: JRS Date: 06/21/20 Drawing No.: T+ Project No.: 121111-19002

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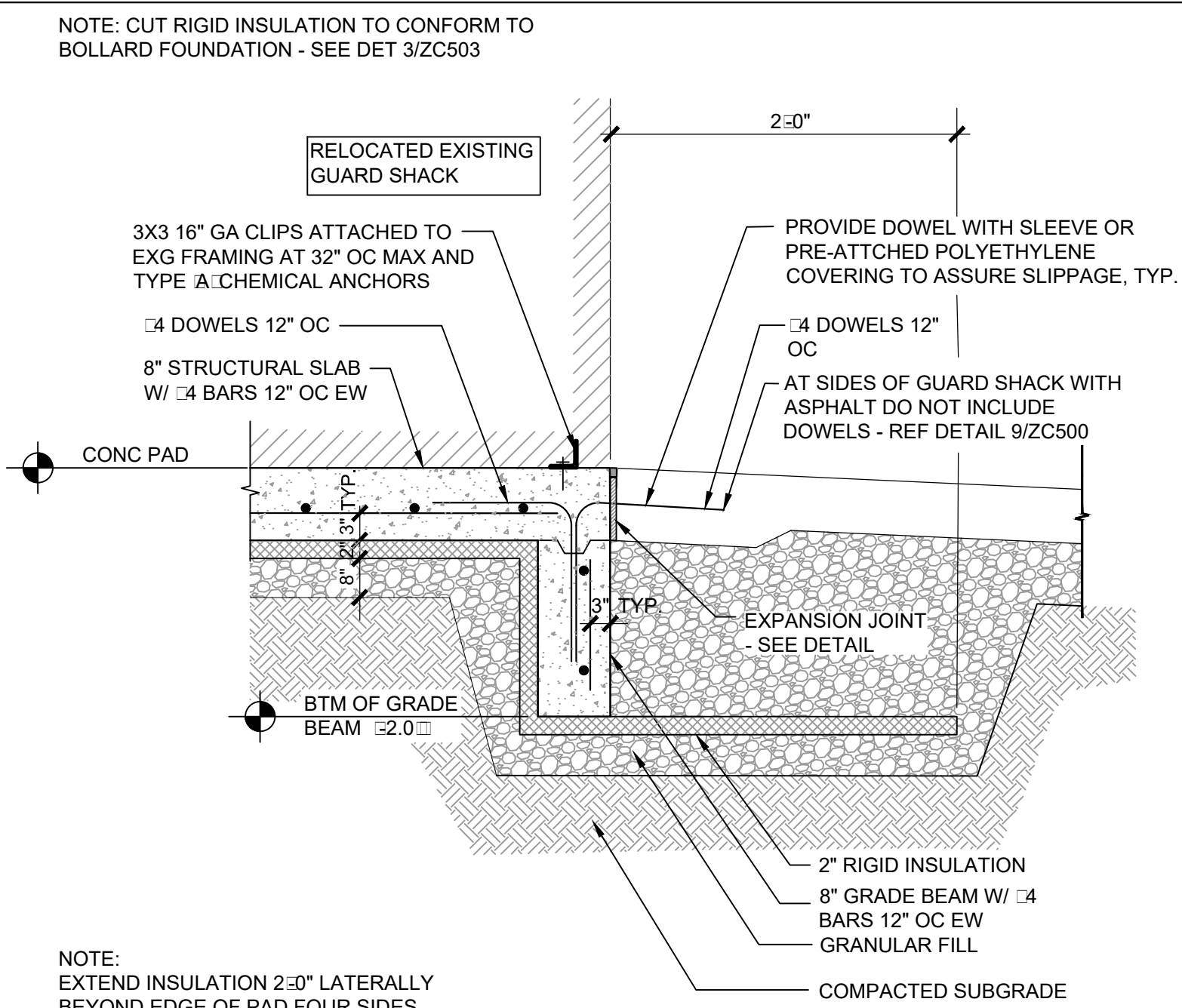
5 Planting - Deciduous Tree
NTS



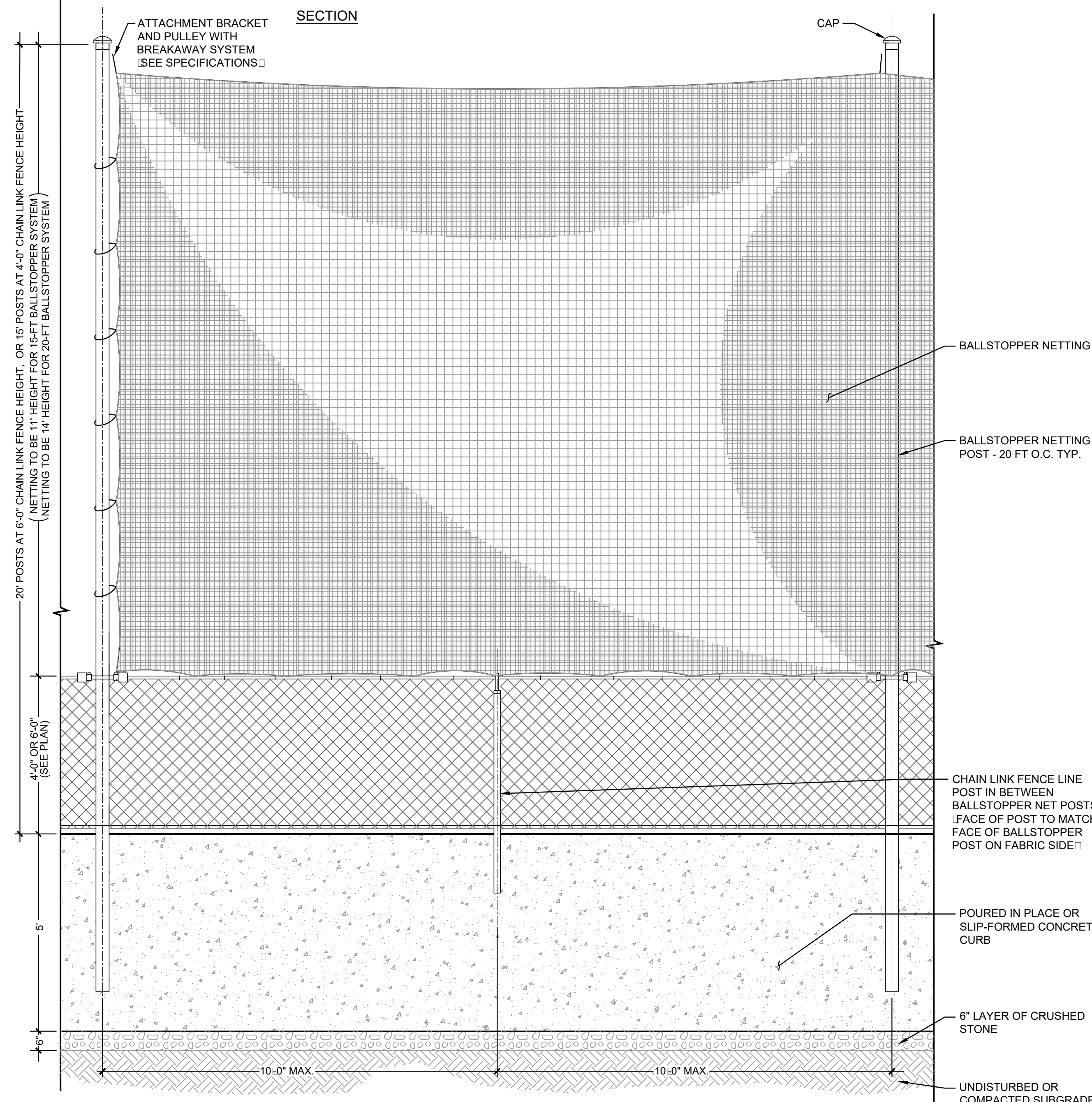
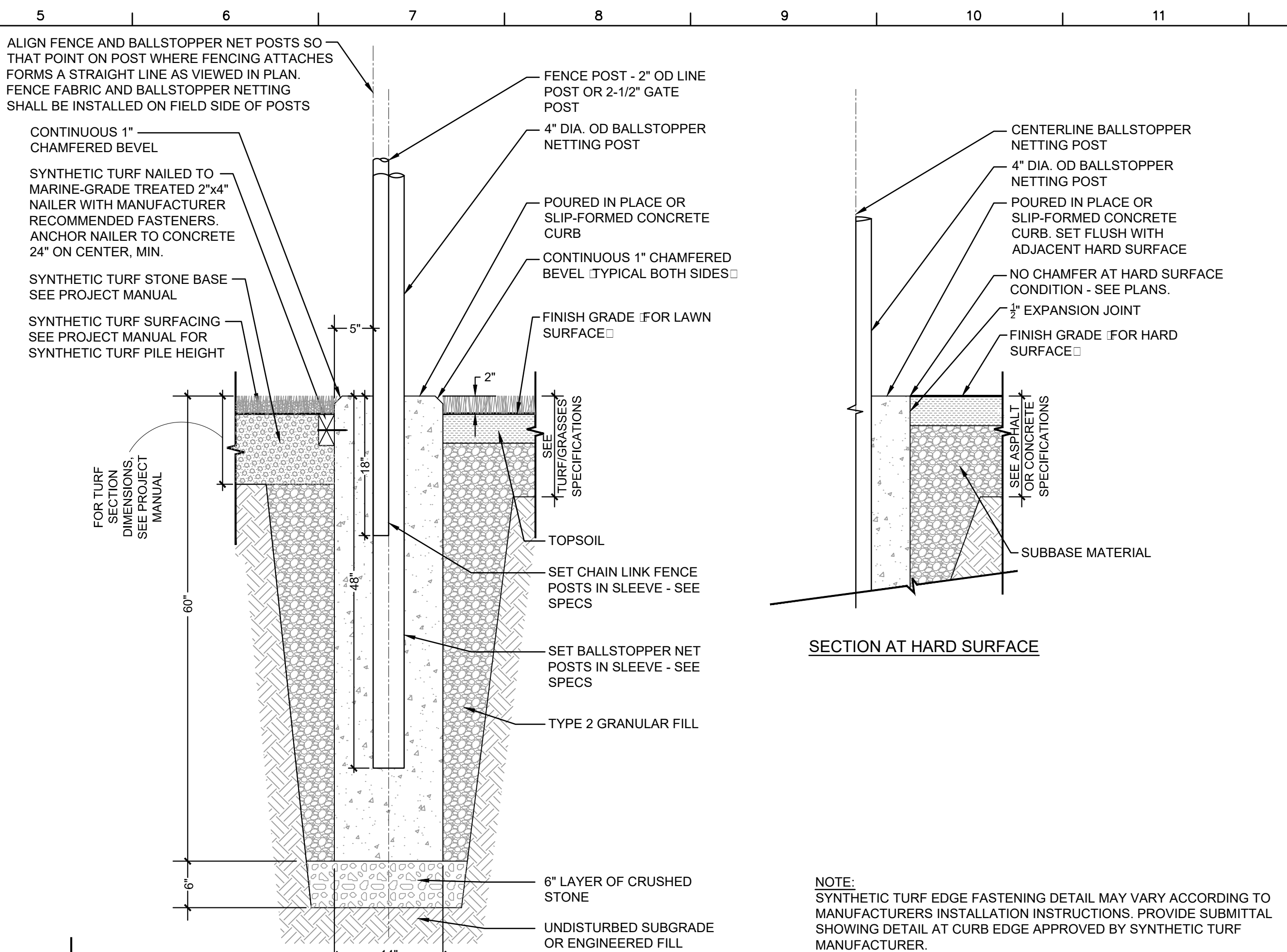
6 Shrub Planting - Single
NTS

PLANT SPACING (ON CENTER)																	
P (FEET)	R (FEET)	0.50	0.67	0.83	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	6.00	8.00	10.00	15.00	20.00
R (FEET)		0.43	0.58	0.72	0.87	1.08	1.30	1.73	2.17	2.60	3.46	4.33	5.20	6.92	8.66	12.99	17.32
AREA PER PLANT																	
S (FEET)		0.22	0.39	0.60	0.87	1.35	1.95	3.46	5.43	7.80	13.84	21.65	31.20	55.36	86.66	194.85	346.40

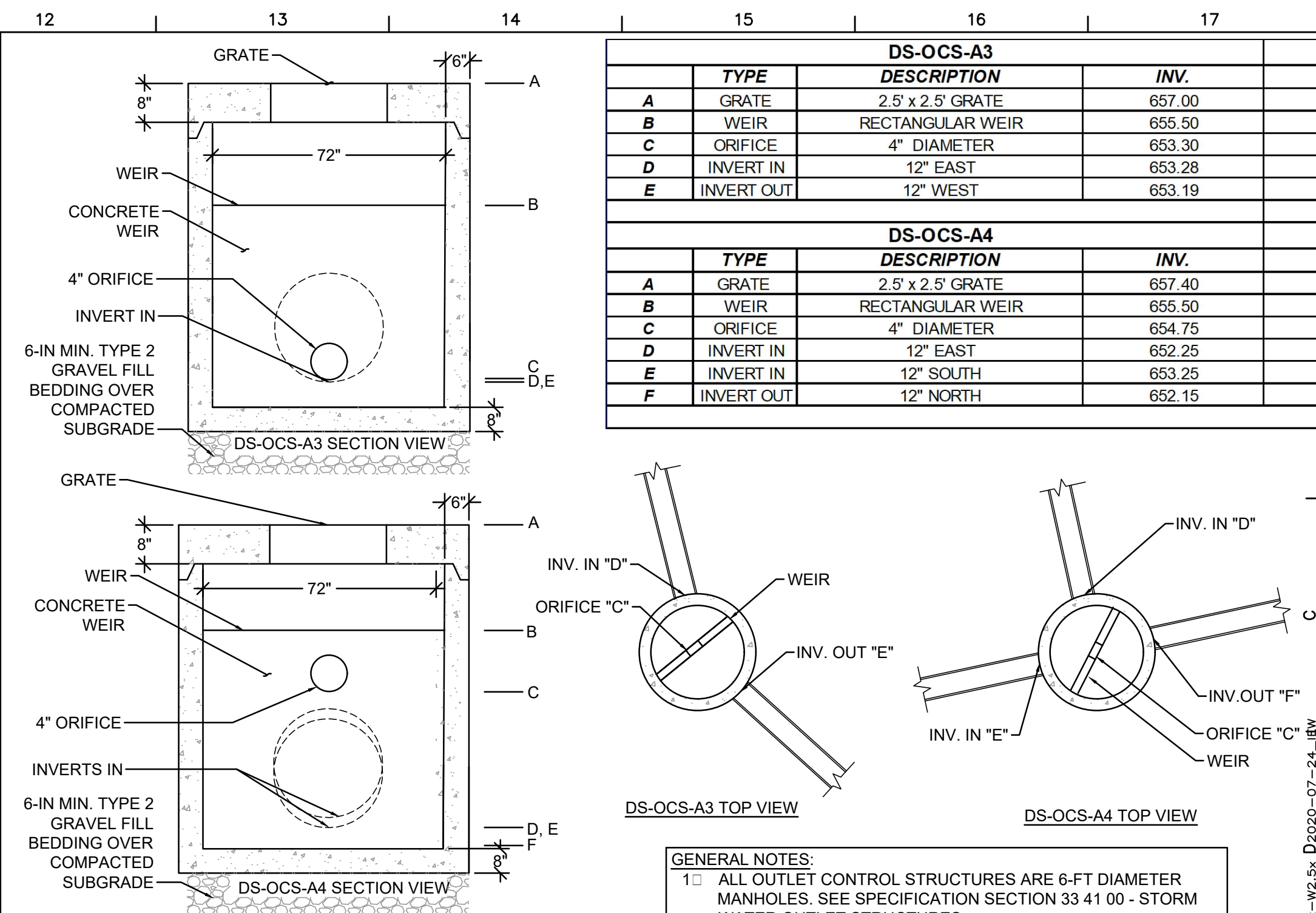
7 Plant Spacing
NTS



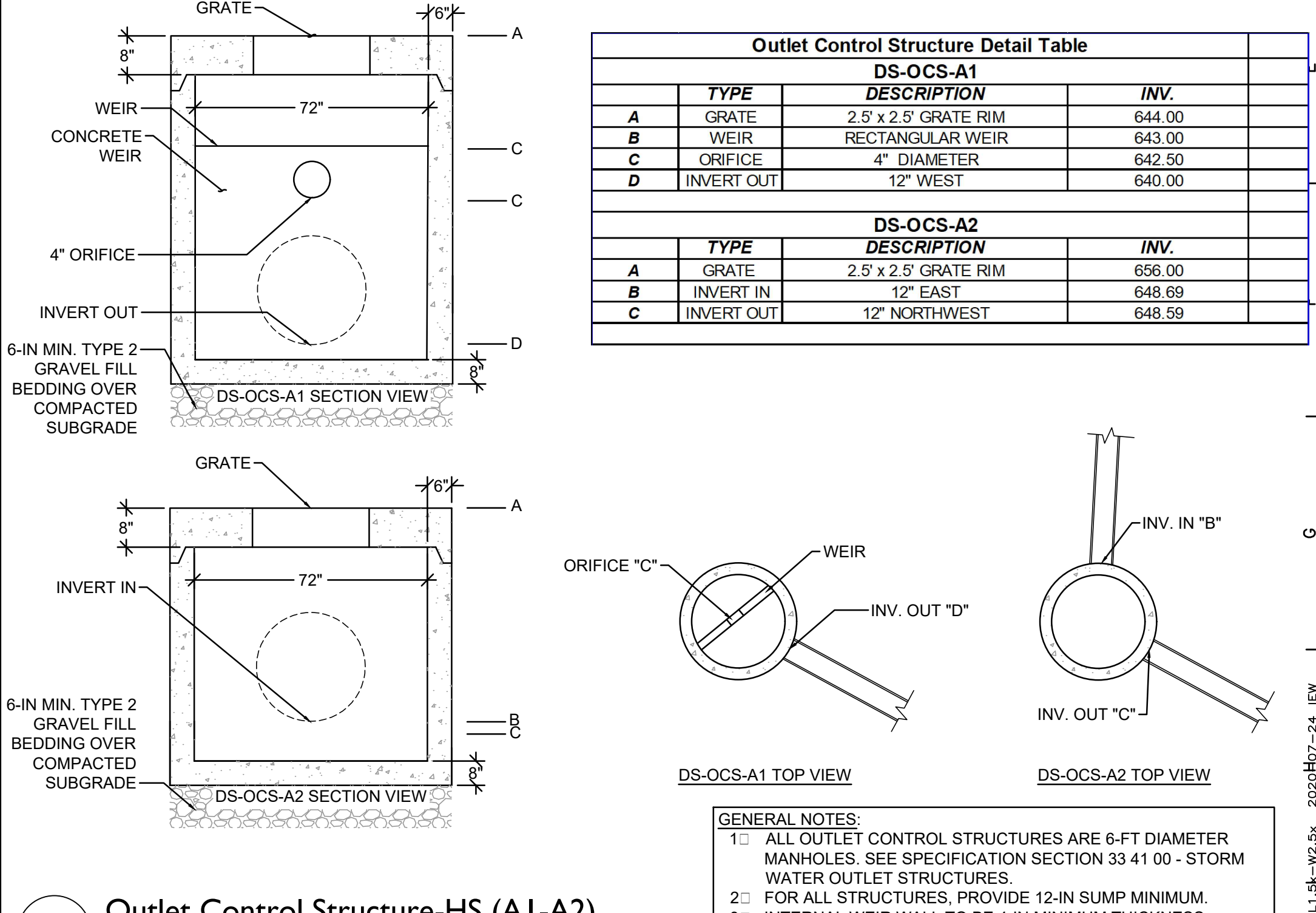
8 Concrete Pad with Grade Beam Detail
NTS



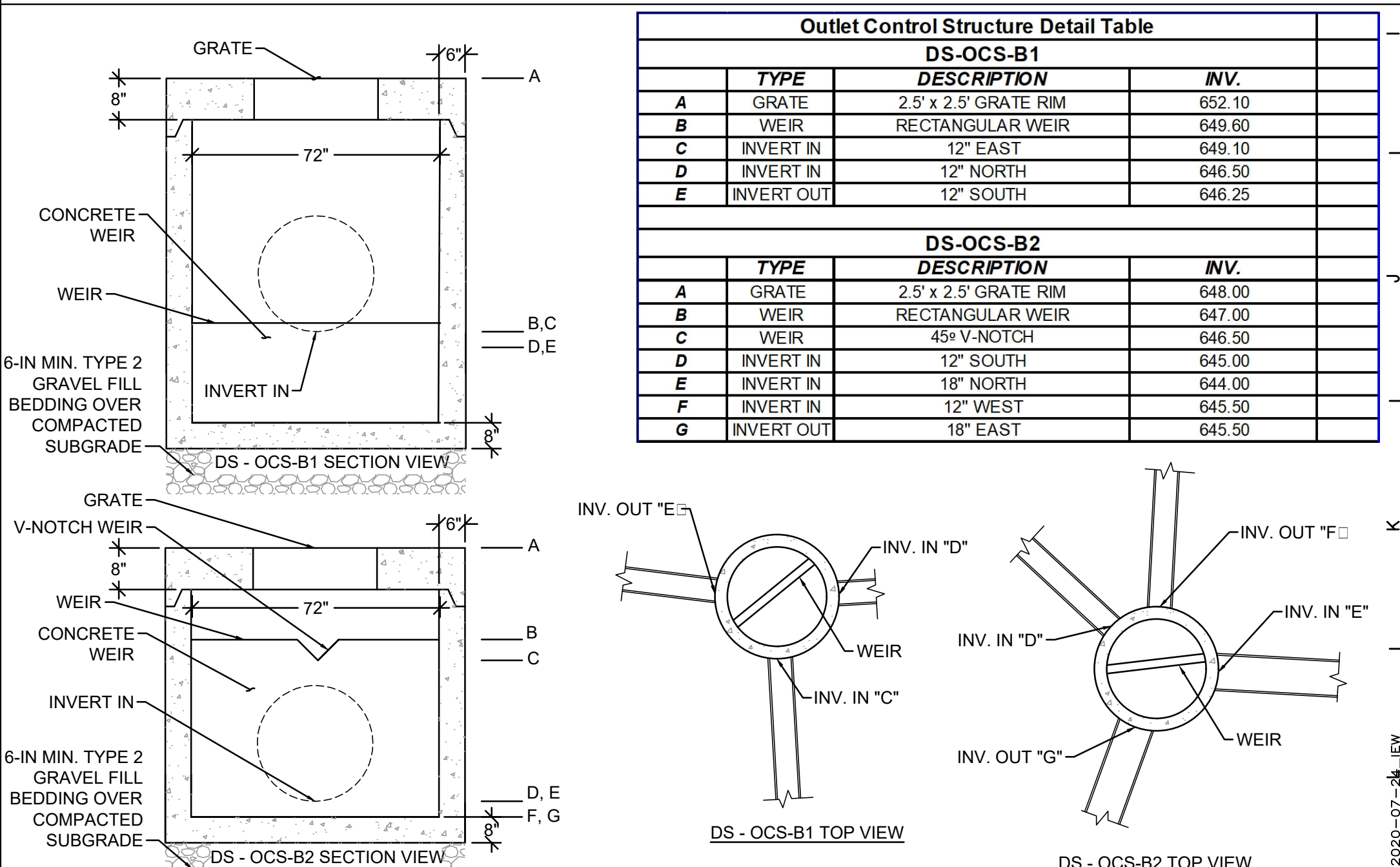
4 Ballstopper with Combined Chain-Link Fence and Curb
NTS



1 Outlet Control Structure-HS (A3-A4)
NTS

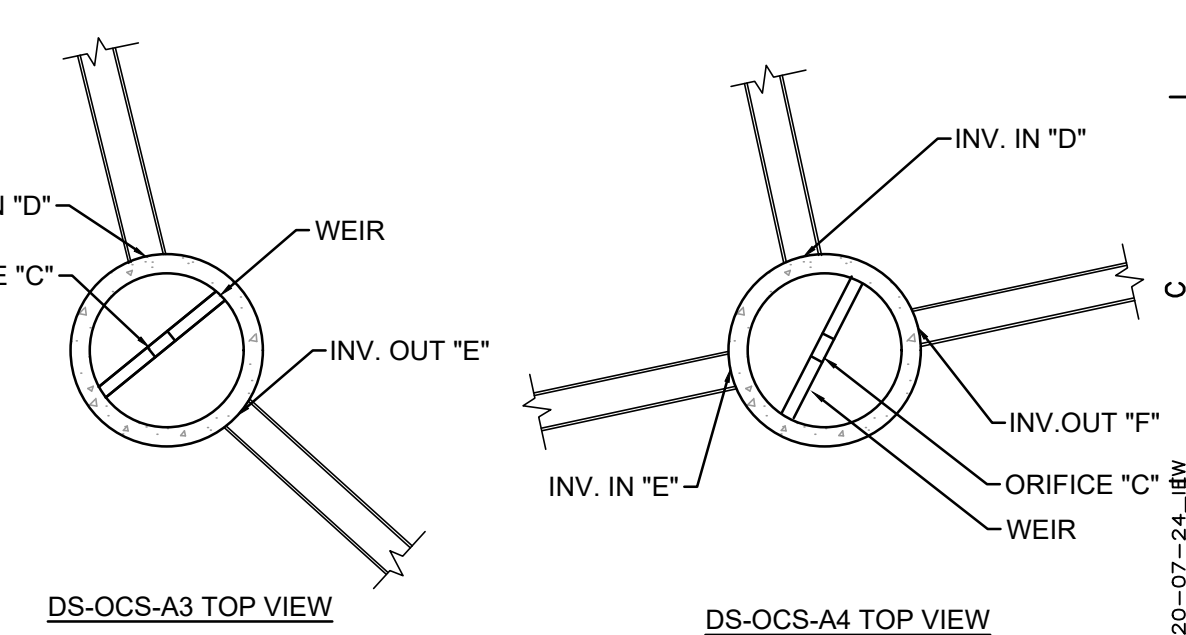


2 Outlet Control Structure-HS (A1-A2)
NTS



3 Outlet Control Structure-MS (B1-B2)
NTS

15		16		17	
DS-OCS-A3					
	TYPE	DESCRIPTION		INV.	
A	GRATE	2.5' x 2.5' GRATE		657.00	
B	WEIR	RECTANGULAR WEIR		655.50	
C	ORIFICE	4" DIAMETER		653.30	
D	INVERT IN	12" EAST		653.28	
E	INVERT OUT	12" WEST		653.19	
DS-OCS-A4					
	TYPE	DESCRIPTION		INV.	
A	GRATE	2.5' x 2.5' GRATE		657.40	
B	WEIR	RECTANGULAR WEIR		655.50	
C	ORIFICE	4" DIAMETER		654.75	
D	INVERT IN	12" EAST		652.25	
E	INVERT IN	12" SOUTH		653.25	
F	INVERT OUT	12" NORTH		652.15	



GENERAL NOTES:	
1	ALL OUTLET CONTROL STRUCTURES ARE 6-FT DIAMETER MANHOLES. SEE SPECIFICATION SECTION 33-41.00 - STORM WATER OUTLET STRUCTURES.
2	FOR ALL STRUCTURES, PROVIDE 12-IN SUMP MINIMUM.
3	INTERNAL WEIR WALL TO BE 4-IN MINIMUM THICKNESS.

Outlet Control Structure Detail Table				
DS-OCS-A1				
	TYPE	DESCRIPTION	INV.	
A	GRATE	2.5' x 2.5' GRATE RIM	644.00	
B	WEIR	RECTANGULAR WEIR	643.00	
C	ORIFICE	4" DIAMETER	642.50	
D	INVERT OUT	12" WEST	640.00	
DS-OCS-A2				
	TYPE	DESCRIPTION	INV.	
A	GRATE	2.5' x 2.5' GRATE RIM	656.00	
B	INVERT IN	12" EAST	648.69	
C	INVERT OUT	12" NORTHWEST	648.59	

DS-OCS-A2			
	TYPE	DESCRIPTION	INV.
A	GRATE	2.5' x 2.5' GRATE RIM	656.00
B	INVERT IN	12" DIA. INVERT	656.00

DS-OCS-A1 TOP VIEW

DS-OCS-A2 TOP VIEW

GENERAL NOTES:

1. ALL OUTLET CONTROL STRUCTURES ARE 6-FT DIAMETER MANHOLES. SEE SPECIFICATION SECTION 34.1 00 - STORM WATER OUTLET STRUCTURES.
2. FOR ALL STRUCTURES, PROVIDE 12-IN SUMP MINIMUM.
3. INTERNAL WEIR WALL TO BE 4-IN MINIMUM THICKNESS.

Outlet Control Structure Detail Table

DS-OCS-B1

TYPE

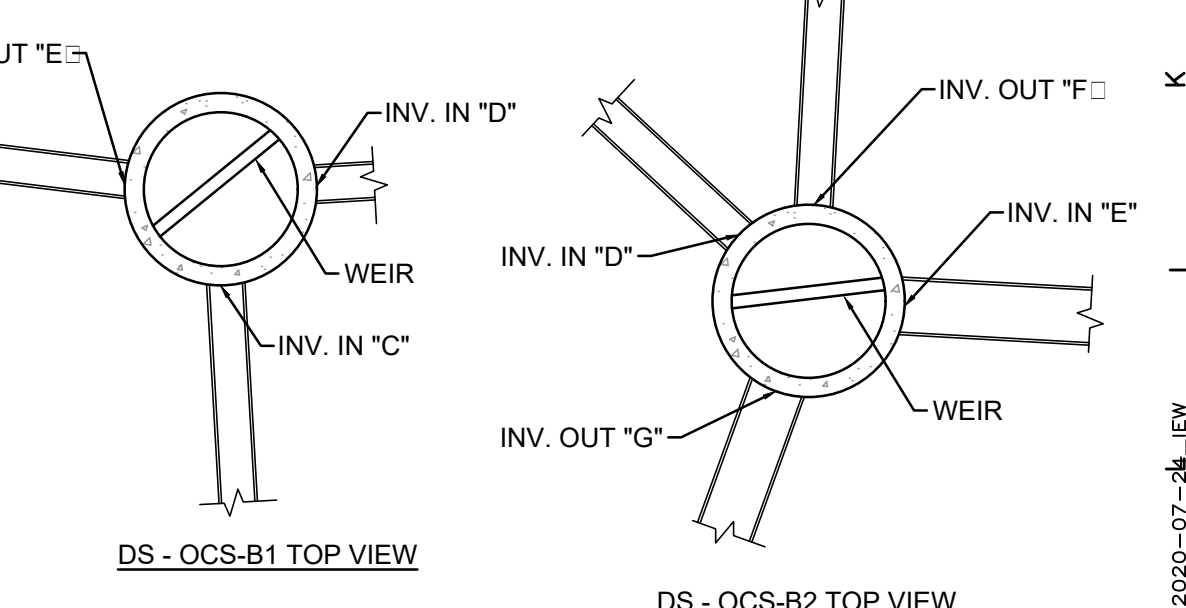
DESCRIPTION

INV.

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B	WEIR	RECTANGULAR WEIR	649.00
C	INVERT IN	12" EAST	649.10
D	INVERT IN	12" NORTH	646.50
E	INVERT OUT	12" SOUTH	646.25

DS-OCS-B2			
	TYPE	DESCRIPTION	INV.
A	GRATE	2.5' x 2.5' GRATE RIM	648.00
B	WEIR	RECTANGULAR WEIR	647.00
C	WEIR	45" x 45" NOTCH	646.50
D	INVERT IN	12" SOUTH	645.00
E	INVERT IN	18" NORTH	644.00
F	INVERT IN	12" WEST	645.50
G	INVERT OUT	18" EAST	645.50



GENERAL NOTES:	
1	ALL OUTLET CONTROL STRUCTURES ARE 6-FT DIAMETER MANHOLES. SEE SPECIFICATION SECTION 33 41 00 - STORM WATER OUTLET STRUCTURES.
2	FOR ALL STRUCTURES, PROVIDE 12-IN SUMP MINIMUM.
3	INTERNAL WEIR WALL TO BE 4-IN MINIMUM THICKNESS.

DS-OCS-B2			
	TYPE	DESCRIPTION	INV.
A	GRATE	2.5' x 2.5' GRATE RIM	648.00
B	WEIR	RECTANGULAR WEIR	647.00
C	WEIR	45" />	

Outlet Control Structure Detail Table			
DS-OCS-B1			
	TYPE	DESCRIPTION	INV.
A	GRATE	2.5' x 2.5' GRATE RIM	652.10
B	WEIR	RECTANGULAR WEIR	649.60
C	INVERT IN	12" DIA. INVERT	647.10

S.E.D. Control No. 48-01-01-06-0-003-008
S.E.D. Control No. 48-01-01-06-7-026-001
S.E.D. Control No. 48-01-01-06-0-006-013
S.E.D. Control No. 48-01-01-06-0-004-020



complex world | CLEAR SOLUTIONS
Tetra Tech Engineers, Architects & Landscape Architects, P.C.



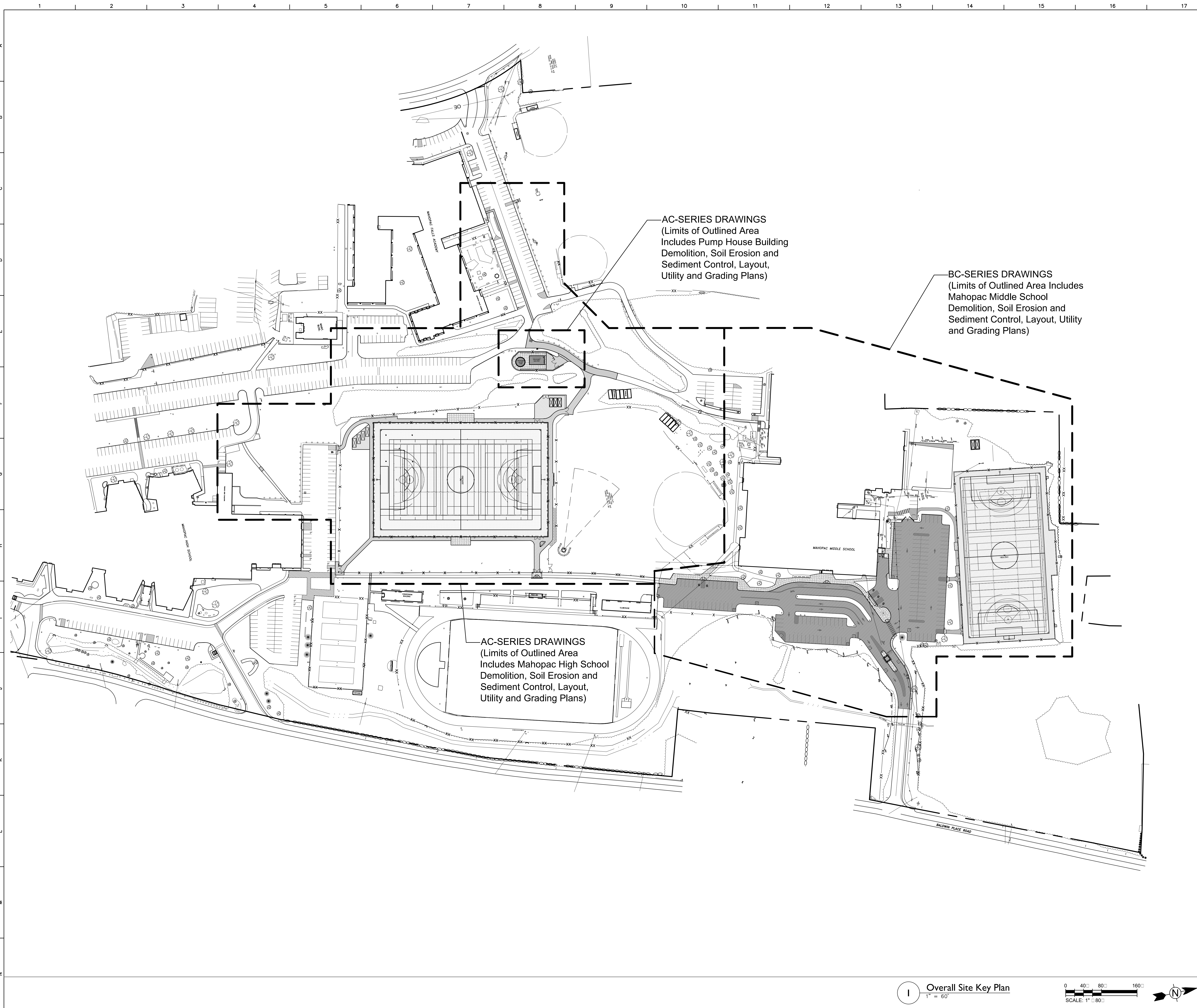
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac Campus
(High School / Middle School)

Site Details

Drawn by: JRS	Date: 06/21/20	Drawing No.:
T+ Project No.:		ZC506

BID SET



General Site Notes

1. SEE DRAWINGS AC100 AND BC100 FOR GENERAL SITE NOTES THAT APPLY TO ALL AC-SERIES AND BC-SERIES OF DRAWINGS.
2. SEE AG300 FOR MAHOPAC HIGH SCHOOL SITE CODE COMPLIANCE PLAN.
3. SEE AG300 FOR NEW PUMP HOUSE SITE CODE COMPLIANCE PLAN.
4. SEE BG300 FOR MAHOPAC MIDDLE SCHOOL SITE CODE COMPLIANCE PLAN.

S.E.D. Control No. 48-01-01-06-0-006-013
S.E.D. Control No. 48-01-01-06-7-026-001
S.E.D. Control No. 48-01-01-06-0-003-008
S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.: Date: Description:



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Mahopac Central School District
Mahopac, NY

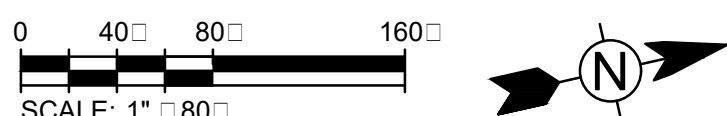
Reconstruction to:
Mahopac High School

Overall Site Key Plan

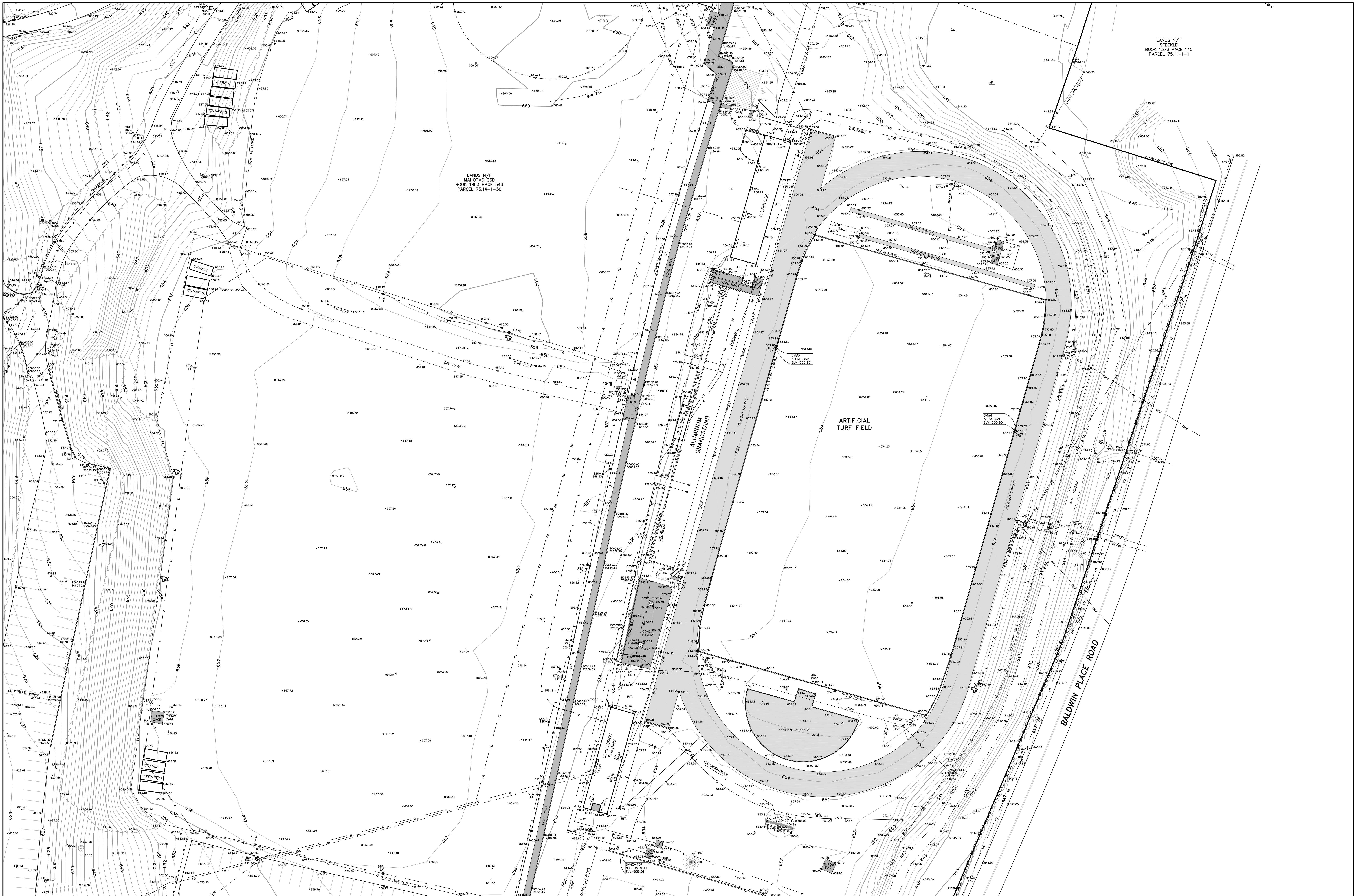
Drawn by: DGB Date: 08/21/20 Drawing No.:

T+ Project No.: 121111-19002 ZG100

Overall Site Key Plan
1" = 60'







LEGEND

L.A. LANDSCAPED AREA	SOIL BORING
P.O. POST	MAIL BOX
SI SIGN	TELEPHONE MANHOLE
IRP IRON PIPE FOUND	TELEPHONE PEDESTAL
CRF CORRUGATED IRON ROD FOUND	TRAFFIC SIGNAL POLE
TRF TRAFFIC SIGNAL POLE	TRAFFIC SIGNAL BOX
EMH ELECTRIC MANHOLE	UTILITY POLE
DS DOWNSPOUT	WATER VALVE
CB CATCH BASIN	WATER VALVE
DMH DRAIN MANHOLE	WATER VALVE
SMH SANITARY MANHOLE	WATER VALVE
CO CLEANOUT	WATER VALVE
GV GAS VALVE	WATER VALVE

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MAP REFERENCES:

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MAHOPAC CENTRAL SCHOOL DISTRICT
TOWN OF CARMEL, PUTNAM COUNTY, STATE OF NEW YORK
PREPARED FOR TETRA TECH ARCHITECTS & ENGINEERS

Survey Prepared By:
BOLTON
LAND SURVEYING, P.C.
P.O. Box 265 - Putnam, NY 13142
TEL (518) 288-5210 FAX 288-6787

Sheet 2 of 5
Survey Date - 5/17/16
Map Date - 5/17/16
Print Date - RTB
Checked By - RTB
Revisions -
9/12/19 - update/extend

ROBERT T. BOLTON
LAND SURVEYOR
STATE OF NEW YORK
049880
L.S.#49880

ZV002

DWG. NAME=MAHOPAC.MS



LEGEND

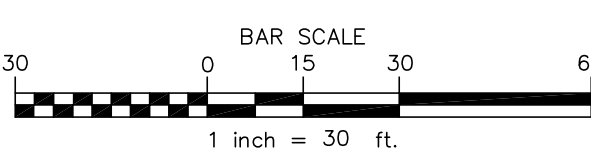
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PI	POST	MB	MAIL BOX
SI	SIGN	TH	TELEPHONE MANHOLE
IR	IRON PIPE FOUND	TP	TELEPHONE PEDESTAL
CR	CAPPED IRON ROD FOUND	TS	TRAFFIC SIGNAL POLE
IR	IRON ROD FOUND	EB	ELECTRIC SIGNAL POLE
DR	DRAIN MANHOLE	UB	UTILITY POLE
SM	SANITARY MANHOLE	LP	LIGHT POLE
CV	CLEANOUT	IC	IRRIGATION CONTROL VALVE
		HY	HYDRANT
		WV	WATER VALVE
		WM	WATER MANHOLE
			OVERHEAD WIRES
			UNDERGROUND FIBER OPTIC
			UNDERGROUND TELEPHONE
			UNDERGROUND GAS
			UNDERGROUND WATER
			UNDERGROUND ELECTRIC
			OVERHEAD ROOF

MAP NOTES:

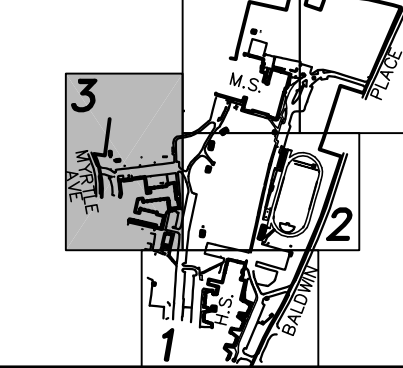
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PARCEL LIES OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN.



SHEET INDEX



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MAHOPAC MAIN CAMPUS
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 TOWN OF CARMEL, PUTNAM COUNTY, STATE OF NEW YORK
 PREPARED FOR TETRA TECH ARCHITECTS & ENGINEERS

T.P.N. - 75.11-1-4
 T.P.N. - 75.11-1-5
 T.P.N. - 75.11-1-14
 T.P.N. - 75.14-1-36
 Project No. - 16.06
 Scale - 1"=30 feet
 Sheet 3 of 5
 Survey Date - 4/27/16
 Map Date - 5/17/16
 Print Date -
 Checked By - RTB
 Revisions -
 9/12/19 - update/extend

Survey Prepared By:
BOLTON
 LAND SURVEYING, P.C.
 P.O. Box 265 - Pukawan, NY 13142
 TEL (315) 298-5210 FAX 298-6787

"I, the undersigned, being a duly qualified and licensed land surveyor of the State of New York, do hereby certify that I am the author of the foregoing map and that it was prepared by me or under my direct supervision and that I am a duly qualified and licensed land surveyor of the State of New York." (Seal of Robert T. Bolton)

ROBERT T. BOLTON
 LAND SURVEYOR
 STATE OF NEW YORK
 049880
 L.S.#49880

ZV003

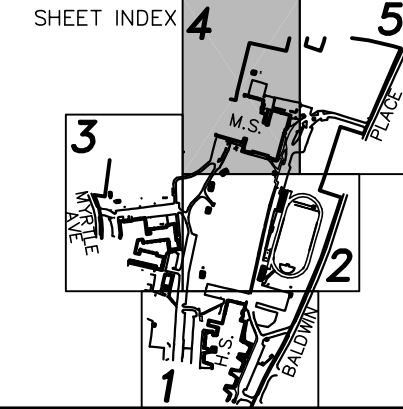
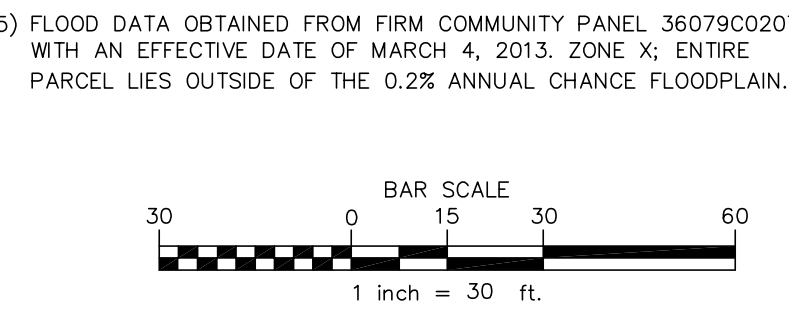
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- LEGEND**
- | | | |
|-------------------------|--------------------------|-------------------------|
| LA LANDSCAPED AREA | SOIL BORING | OVERHEAD WIRES |
| PI POST | MAIL BOX | UNDERGROUND FIBER OPTIC |
| SI SIGN | TELEPHONE MANHOLE | UNDERGROUND TELEPHONE |
| IRI IRON PIPE FOUND | TELEPHONE PEDESTAL | UNDERGROUND GAS |
| CI CAPED IRON ROD FOUND | TRAFFIC SIGNAL POLE | UNDERGROUND WATER |
| IRI IRON ROD FOUND | TRAFFIC SIGNAL BOX | UNDERGROUND ELECTRIC |
| EM ELECTRIC MANHOLE | ELECTRIC MANHOLE | OVERHEAD ROOF |
| DS DOWNSPOUT | UTILITY POLE | |
| CB CATCH BASIN | LIGHT POLE | |
| DM DRAIN MANHOLE | IRRIGATION CONTROL VALVE | |
| SM SANITARY MANHOLE | HYDRANT | |
| CO CLEANOUT | WATER VALVE | |
| GV GAS VALVE | WATER MANHOLE | |

MAHOPAC MIDDLE SCHOOL

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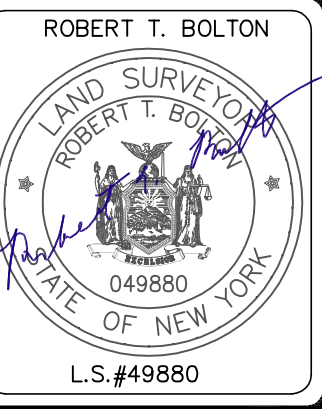
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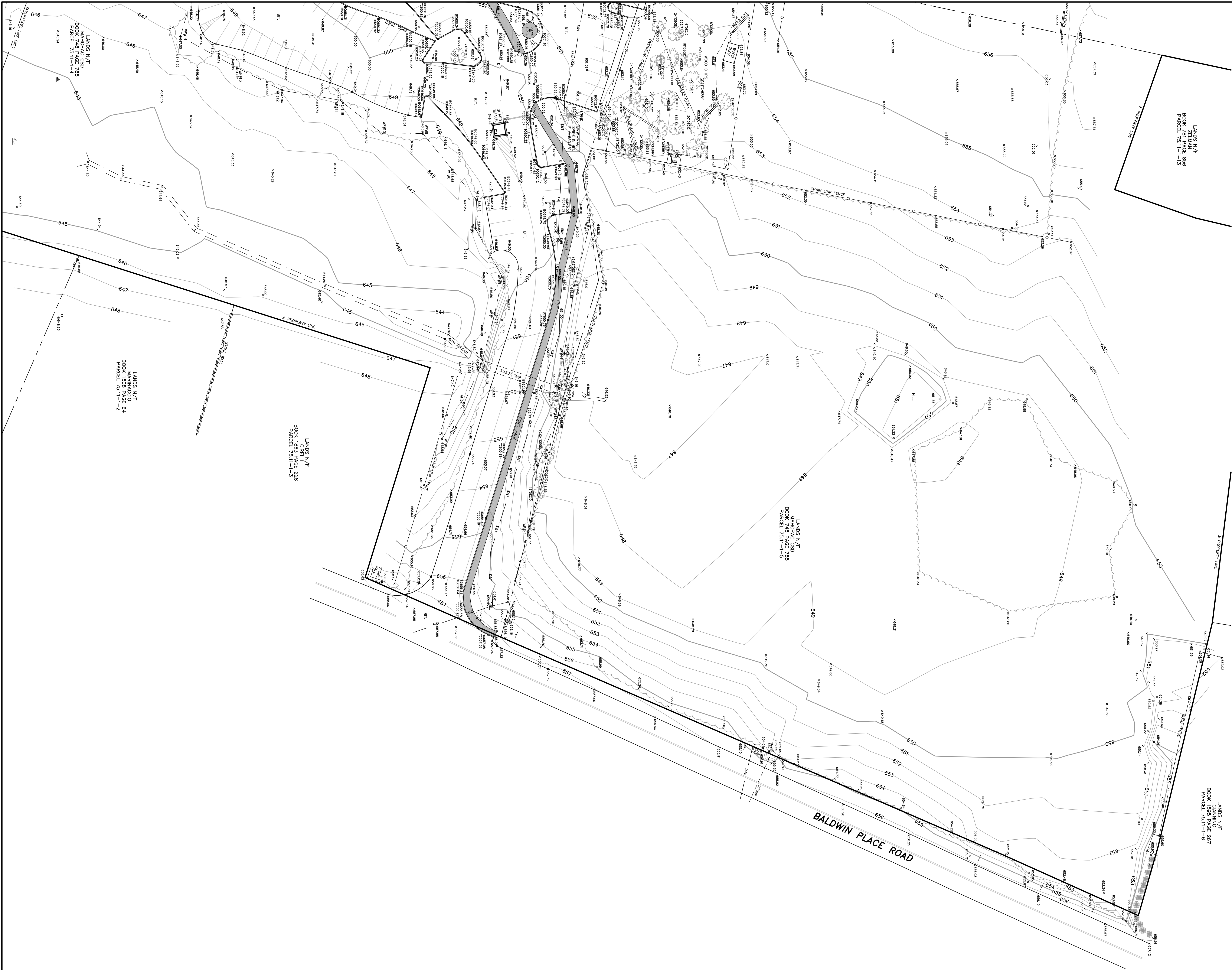
"I, the undersigned, being a duly qualified and licensed land surveyor of the State of New York, do hereby certify that the foregoing is a true and correct copy of the original survey as the same appears in my books and records, and that the same was made by me or under my direct supervision and in accordance with the provisions of the laws of the State of New York relating to land surveying, and that I am not aware of any error or omission in the same."

This survey report is not valid, and the surveyor assumes no liability if it is used in any other manner than that for which it was prepared, without the written consent of the surveyor.



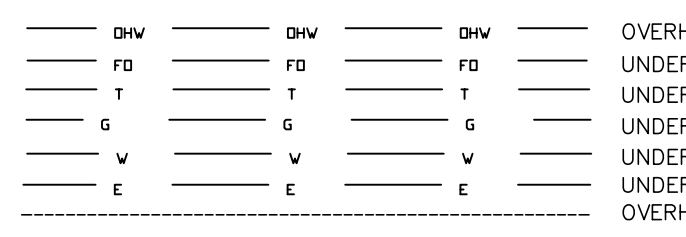
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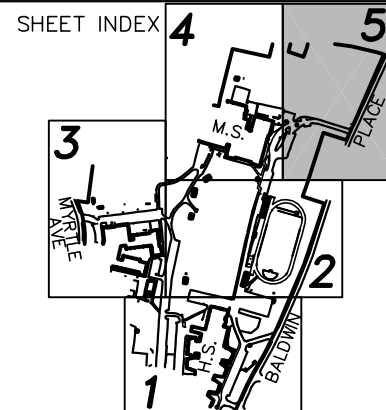
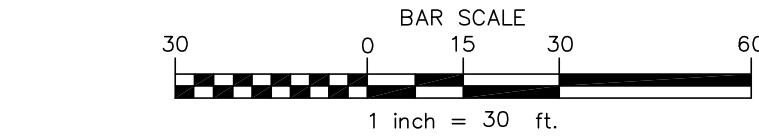
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 - PI POST
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 - IRF IRON ROD FOUND
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 - CB CATCH BASIN
 - DMH DRAIN MANHOLE
 - SMH SANITARY MANHOLE
 - CO CLEANOUT
 - GV GAS VALVE

- SB SOIL BORING
- MB MAIL BOX
- TM TELEPHONE MANHOLE
- TP TELEPHONE PEDESTAL
- TSF TRAFFIC SIGNAL POLE
- TRF TRAFFIC SIGNAL BOX
- EMH ELECTRIC MANHOLE
- UP UTILITY POLE
- LP LIGHT POLE
- ICV IRRIGATION CONTROL VALVE
- HYD HYDRANT
- WV WATER VALVE
- WMH WATER MANHOLE



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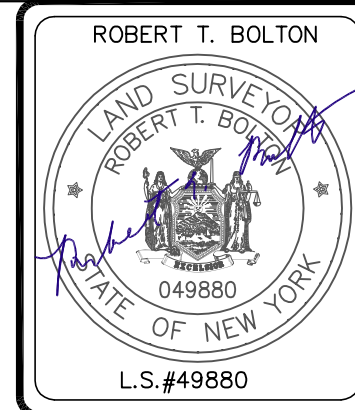
MAP REFERENCES:

- 1) MAHOPAC C.S.D., NEW FOOTBALL FIELD, SITE DEMO. & UTILITY GRADING PLANS, BY A.L.H.A. ARCHITECTS & PLANNERS AND DATED JANUARY 16, 2004.
- 2) MAHOPAC P.S.S. CSD #1, MAHOPAC PUTNAM CO., NY, PARTIAL SITE PLAN BY KNAPE AND JOHNSON ARCHITECTS AND DATED JUNE 21, 1971.
- 3) MAHOPAC C.S.D., NEW FOOTBALL FIELD CONCESSION STAND & TOILETS, SITE SURVEY BY A.L.H.A. ARCHITECTS & PLANNERS AND DATED JANUARY 16, 2004.

BOUNDARY & TOPOGRAPHIC SURVEY OF A PORTION OF MAHOPAC MAIN CAMPUS
MAHOPAC CENTRAL SCHOOL DISTRICT
TOWN OF CARMEL, PUTNAM COUNTY, STATE OF NEW YORK
PREPARED FOR TETRA TECH ARCHITECTS & ENGINEERS

T.P.N. - 75.11-1-4
T.P.N. - 75.11-1-5
T.P.N. - 75.11-1-14
T.P.N. - 75.14-1-36
Project No. - 16.06
Scale - 1"=30 feet
Sheet 5 of 5
Survey Date - 4/27/16
Map Date - 5/17/16
Print Date -
Checked By - RTB
Revisions -
9/12/19 - update/extend

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