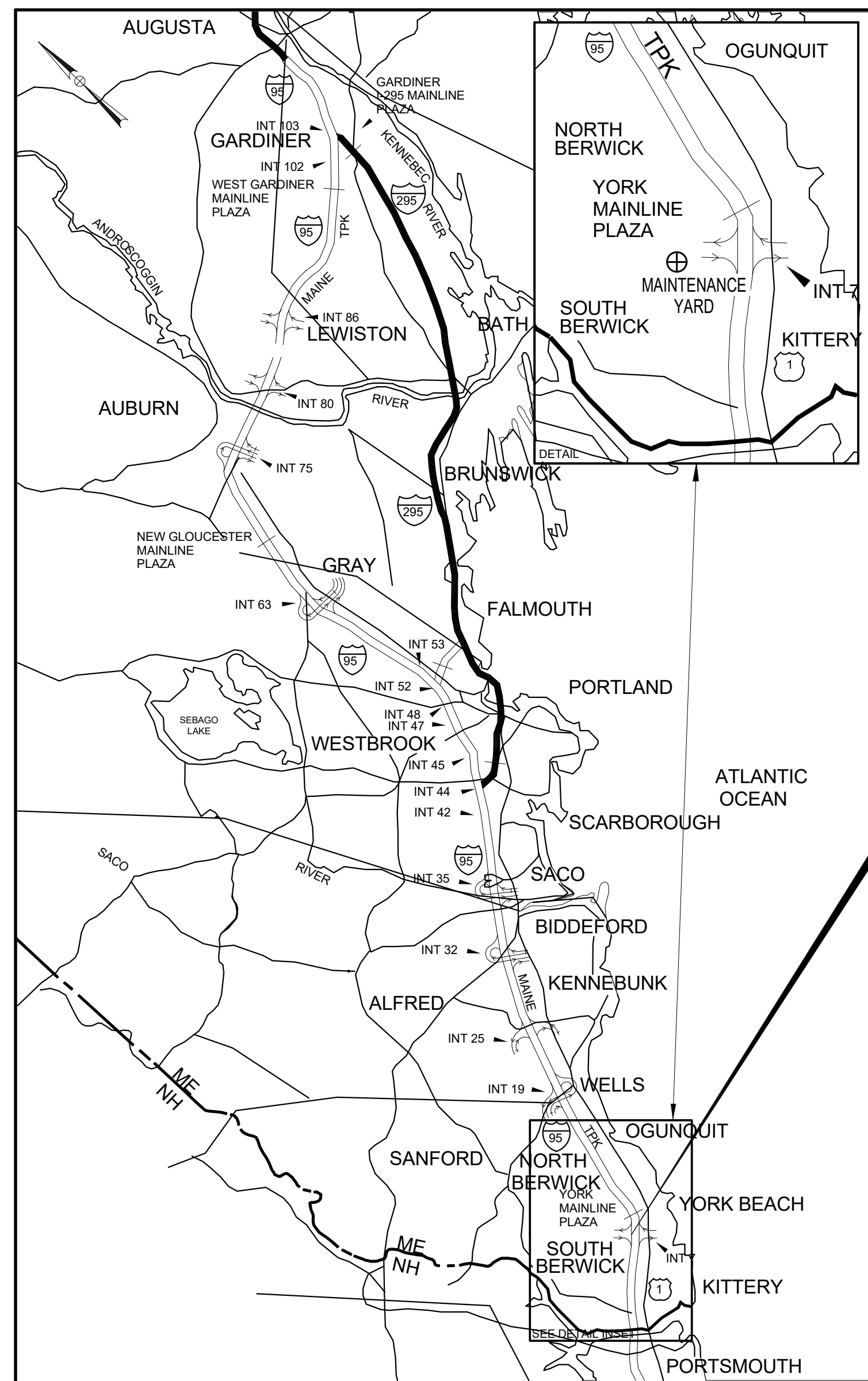




THE GOLD STAR MEMORIAL HIGHWAY

MAINE TURNPIKE AUTHORITY



CONTRACT 2023.06
YORK VEHICLE STORAGE
MILE MARKER 6.8

DANIEL E. WATHEN, CHAIR
MICHAEL J. CIANCHETTE, MEMBER
JANE L. LINCOLN, MEMBER
ANDREW McLEAN, MEMBER
ROBERT D. STONE, MEMBER
THOMAS J. ZUKE, MEMBER
BRUCE A. VAN NOTE, MEMBER EX-OFFICIO - MAINE DOT

S. PETER MILLS, EXECUTIVE DIRECTOR

CONTRACT 2023.06 YORK VEHICLE STORAGE GARAGE

SHEET NO.	DESCRIPTION
G-000	COVER SHEET
C-001	GENERAL NOTES
C-002	EXISTING CONDITIONS AND REMOVALS PLAN
C-100	SEWER AND WELL SEPARATION PLAN
C-101	SITE AND UTILITY PLAN
C-102	GRADING, DRAINAGE, EROSION CONTROL PLAN
C-401	DETAILS - 1
C-402	DETAILS - 2
C-403	GENERAL NOTES AND DETAILS - 3
C-404	TYPICAL SECTIONS
A-0	ARCHITECTURAL COVER SHEET
A-1	CODE COMPLIANCE & FIRST FLOOR PLANS
A-2	ROOF PLAN & DETAILS
A-3	ELEVATIONS
A-4	BUILDING SECTIONS
A-5	WALL SECTIONS
A-6	DOOR, WINDOW & FINISH SCHEDULES
A-7	DETAILS
A-8	ACCESSIBILITY DETAILS & NOTES
S-000	STRUCTURAL - GENERAL INFORMATION
SB-100	STRUCTURAL - FOUNDATION PLAN
SB-500	STRUCTURAL - FOUNDATION DETAILS - 1
SB-501	STRUCTURAL - FOUNDATION DETAILS - 2
P-000	PLUMBING AND HVAC NOTES, LEGEND AND ABBREVIATIONS
PL-100	SANITARY PIPING PLAN
PP-100	DOMESTIC PIPING PLAN
MH-100	MECHANICAL PLAN
ES100	ELECTRICAL SITE PLAN
E000	ELECTRICAL LEGEND
E001	ELECTRICAL GENERAL NOTES AND SCHEDULES
EL100	LIGHTING PLAN
EP100	POWER AND SYSTEMS PLAN
EP500	POWER RISER DIAGRAM

Contract 2023.06

LOCATION MAP

ISSUED FOR BID
MARCH 28, 2023

Allied Engineering
Structural Mechanical Electrical Plumbing
160 Veranda Street
Portland, Maine 04103
P: 207.221.2260
F: 207.221.2266
Web: www.allied-eng.com

APPROVED:
MAINE TURNPIKE AUTHORITY

Peter S. Merfeld
PETER S. MERFELD, P.E.—CHIEF OPERATIONS OFFICER

Stephen R. Martre
STEPHEN R. MARTRE, P.E.—DIRECTOR OF ENGINEERING

John W. Cannell
JOHN W. CANNELL, P.E.—DIRECTOR OF MAINTENANCE

3/23/23
DATE

3/23/23
DATE

3/23/23
DATE

William P. Faucher
WILLIAM P. FAUCHER, P.E. —
PRINCIPLE © ALLIED ENGINEERING, INC.

03-28-2023
DATE

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GENERAL

1. ALL DETAILS SHALL BE IN CONFORMANCE WITH MAINE DEPARTMENT OF TRANSPORTATION (MAINEDOT) STANDARD DETAILS HIGHWAYS AND BRIDGES 2020 WITH UPDATES AND MAINEDOT BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL LATEST REVISION UNLESS OTHERWISE INCLUDED IN THESE PLANS OR PROJECT SPECIFICATIONS.
2. ALL EXISTING ROADWAYS USED IN ACCESSING THE SITE SHALL REMAIN CLEAN.
3. THE CONTRACTOR SHALL SUBMIT THE PROPOSED STAGING AREA(S) AND FIELD TRAILER LOCATION TO THE RESIDENT FOR APPROVAL, AS WELL AS A SEQUENCE OF WORK SCHEDULE, AT LEAST 10 DAYS PRIOR TO STARTING WORK. CONTRACTOR IS REQUIRED TO MAINTAIN SAFE ACCESS TO PARKING AREAS FOR MTA EMPLOYEES AT ALL TIMES DURING CONSTRUCTION.
4. DUST CONTROL IS INCIDENTAL TO CONTRACT.
5. WASTE MATERIALS SHALL BE DISPOSED OF OFF THE PROJECT SITE, IN ACCORDANCE WITH CHAPTER 404, DEPARTMENT OF ENVIRONMENTAL PROTECTION SOLID WASTE MANAGEMENT RULES.
6. GEOTECHNICAL INFORMATION FURNISHED OR REFERRED TO IN THIS PLAN SET IS FOR THE USE OF THE BIDDERS AND THE CONTRACTOR. NO ASSURANCE IS GIVEN THAT THE INFORMATION OR INTERPRETATIONS WILL BE REPRESENTATIVE OF ACTUAL SUBSURFACE CONDITIONS OF THE CONSTRUCTION SITE. THE MTA WILL NOT BE RESPONSIBLE FOR THE BIDDERS' OR CONTRACTOR'S INTERPRETATIONS OF, OR CONCLUSIONS DRAWN FROM, THE GEOTECHNICAL INFORMATION.
7. CONTRACTOR SHALL PROVIDE MTA WITH AS-CONSTRUCTED PLANS IN PDF AND CADD FORMATS. THE PLANS SHALL NOTE ALL CHANGES TO, BUT NOT LIMITED TO: PAVEMENT, UTILITIES, DRAINAGE, FOUNDATIONS, WIRING, ETC.
8. SURVEY AND TOPOGRAPHY PROVIDED BY TITCOMB ASSOCIATES OF FALMOUTH, MAINE, DATED APRIL 23, 2020.
9. ALL DIVISION 2 SITE WORK SHALL BE DONE IN ACCORDANCE WITH THE MAINE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, HIGHWAYS AND BRIDGES, (2014 EDITION) AND AS MODIFIED BY MAINE TURNPIKE 2016 SUPPLEMENTAL SPECIFICATIONS. SPECIAL PROVISIONS HAVE BEEN PREPARED FOR WORK ITEMS NOT ADDRESSED IN THE STANDARD SPECIFICATIONS, AND ARE ENCLOSED AS PART OF THIS CONTRACT. IN THE EVENT OF A CONFLICT BETWEEN THE STANDARD SPECIFICATIONS AND THE SUPPLEMENTAL SPECIFICATIONS, THE MORE STRINGENT STANDARD SHALL APPLY.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL SPOIL/EXCESS MATERIAL FROM THE SITE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL LAWS.
11. ALL AREAS OUTSIDE THE LIMIT OF WORK DISTURBED BY THE CONTRACTOR SHALL BE RESTORED TO PRIOR CONDITIONS AT NO EXPENSE TO THE OWNER.
12. BORING AND SOIL PROBE LOCATIONS TAKEN FROM GEOTECHNICAL REPORT PREPARED BY S.W. COLE DATED MAY 27, 2020.
13. AREAS OF CLEARING SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR AND APPROVED BY THE RESIDENT.
14. DURING CONSTRUCTION, THE PROPANE TANKS SHALL BE PROTECTED BY A PHYSICAL BARRIER AT ALL TIMES, ON ALL SIDES.
15. A MINIMUM OF 3' CLEAR SPACE SHALL BE PERMITTED BETWEEN BOLLARDS IN FRONT OF THE PROPANE TANK. BOLLARDS SHALL BE PLACED ON ALL SIDES THAT COULD BE IMPACTED BY VEHICLES.
16. GRANULAR BORROW SHALL BE USED IN THE AREAS SPECIFIED ON THE PLANS, AND TO BACKFILL AREAS OF MUCK EXCAVATION AND IN LOW WET AREAS TO 1' ABOVE THE WATER LEVEL OR OLD GROUND. GRANULAR BORROW USED TO FILL MUCK OR WET AREAS SHALL MEET THE REQUIREMENTS OF GRANULAR BORROW-UNDERWATER BACKFILL. MATERIALS EXCAVATED FROM ON SITE MEETING THE REQUIREMENTS OF GRANULAR BORROW OR GRANULAR BORROW-UNDERWATER BACKFILL SHALL BE REUSED ON SITE. EACH REQUIRED HANDLING OF THE MATERIAL APPROVED BY THE RESIDENT SHALL BE MEASURED FOR PAYMENT AS COMMON EXCAVATION. ONE HANDLING SHALL BE CONSIDERED TO INCLUDE THE OPERATIONS OF EXCAVATING AND PLACEMENT OR LOADING/HAULING/STOCKPILING OF THE MATERIAL.
17. FOLLOWING THE COMPLETION OF WORK THE CONTRACTOR SHALL PROVIDE THE AUTHORITY THREE HARD COPIES OF ALL O&M MANUALS ASSOCIATED WITH THE PROJECT AND ONE LINKED, TABBED, AND SEARCHABLE PDF DOCUMENT CONTAINING ALL O&M MANUALS IN A SINGLE FILE.
18. FOLLOWING THE COMPLETION OF WORK THE CONTRACTOR SHALL PROVIDE ONE HARD COPY AND ONE LINKED, TABBED, AND SEARCHABLE PDF DOCUMENT OF ALL APPROVED SUBMITTALS ASSOCIATED WITH THE PROJECT ORGANIZED BY WORK CATEGORY.
19. A HIGHWAY CLASS PAVER WITH AN EIGHT TO TEN FOOT SCREED (CAT AP555E OR SIMILAR) WILL BE ALLOWED.

EARTHWORK

1. EXCAVATIONS ACCOMPLISHED AS PART OF THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH OSHA SUBPART P OF 29 CFR PART 1926.650-652 (CONSTRUCTION STANDARDS FOR EXCAVATION).
2. THE NORMAL GRUBBING WIDTH IN THE FILLS SHALL BE VARIABLE WHEN SUBGRADE IS LESS THAN 5' ABOVE OLD GROUND. THE GRUBBING DEPTH HAS BEEN ESTIMATED AS 6" IN FIELD AREAS AND 12" IN WOODED AREAS.
3. ALL ABOVE GROUND FEATURES AND BELOW GROUND OBSTRUCTIONS, (UTILITIES, FOUNDATIONS, ETC.) ENCOUNTERED DURING EXCAVATION SHALL BE REMOVED AND DISPOSED OF AS NECESSARY TO ENABLE WORK TO BE COMPLETED. UNDERGROUND UTILITIES LABELED "TO REMAIN" SHALL BE PROTECTED. SAVING OR REMOVAL OF UNDERGROUND OBSTRUCTIONS NOT SHOWN ON THE PLAN SHALL BE COORDINATED WITH THE PROJECT OWNER OR THEIR REPRESENTATIVE.
4. WASTE MATERIALS SHALL BE DISPOSED OF OFF THE PROJECT SITE, IN

ACCORDANCE WITH CHAPTER 404, DEPARTMENT OF ENVIRONMENTAL PROTECTION SOLID WASTE MANAGEMENT RULES.

5. REMOVAL OF EXISTING PAVEMENT, WITHIN THE AREAS OF FULL DEPTH PAVEMENT AND FULL DEPTH RECONSTRUCTION, SHALL BE PAID FOR AS COMMON EXCAVATION. EXISTING PAVEMENT THICKNESS HAS BEEN ESTIMATED TO BE 5 INCHES.
6. GRANULAR BORROW SHALL BE USED IN THE AREAS SPECIFIED ON THE PLANS. AND TO BACKFILL AREAS OF MUCK EXCAVATION AND IN LOW WET AREAS TO 1' ABOVE THE WATER LEVEL OR OLD GROUND. GRANULAR BORROW USED TO FILL MUCK OR WET AREAS SHALL MEET THE REQUIREMENTS OF GRANULAR BORROW-UNDERWATER BACKFILL. MATERIALS EXCAVATED FROM ON SITE MEETING THE REQUIREMENTS OF GRANULAR BORROW OR GRANULAR BORROW-UNDERWATER BACKFILL SHALL BE REUSED ON SITE. EACH REQUIRED HANDLING OF THE MATERIAL SHALL BE MEASURED FOR PAYMENT AS COMMON EXCAVATION.
7. TOPSOIL STRIPPED IN AREAS OF CONSTRUCTION THAT IS SUITABLE FOR THE REUSE AS LOAM SHALL BE STOCKPILED ON SITE AT A LOCATION TO BE DESIGNATED BY THE OWNER. UNSUITABLE SOIL SHALL BE SEPARATED, REMOVED AND DISPOSED OF AT AN APPROVED DISPOSAL LOCATION OFF SITE.
8. THE CONTRACTOR SHALL ANTICIPATE THAT GROUNDWATER WILL BE ENCOUNTERED DURING CONSTRUCTION AND SHALL INCLUDE SUFFICIENT COSTS WITHIN THEIR BID TO PROVIDE DEWATERING AS NECESSARY. NO SEPARATE PAYMENT SHALL BE MADE TO THE CONTRACTOR FOR DEWATERING.
9. ALL SITE DISTURBANCE WILL REMAIN WITHIN THE GRADING LIMITS SHOWN ON PLANS. NO IMPACT TO WETLANDS ARE AUTHORIZED.
10. FOLLOWING APPROVAL OF THE EXCAVATION LIMITS, AND PRIOR TO THE PLACEMENT OF BACKFILL, THE EXISTING SUBGRADE SHALL BE PROOF COMPACTED AS FOLLOWS:
 - 10.A. AREAS OF EXCAVATION EXTENDING TO THE ELEVATION 345 OR BELOW: PROOF COMPACT SUBGRADE WITH 3 TO 5 PASSES OF A VIBRATORY COMPACTOR HAVING A STATIC WEIGHT OF AT LEAST 500 POUNDS.
 - 10.B. AREAS OF EXCAVATION THAT DO NOT EXTEND TO ELEVATION 345: PROOF COMPACT SUBGRADE TO AT LEAST 95 PERCENT OF ITS MAXIMUM DRY DENSITY.

UTILITY

1. EXISTING UTILITIES ON THESE PLANS WERE COMPILED FROM FIELD SURVEY AND VARIOUS OTHER SOURCES. LOCATIONS ARE NOT GUARANTEED TO BE ACCURATE NOR IS IT GUARANTEED THAT ALL UTILITIES ARE SHOWN. NO SEPARATE OR ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR DUE TO ANY VARIANCE BETWEEN THE DATA SHOWN ON THE PLANS AND THE ACTUAL FIELD CONDITIONS ENCOUNTERED. NO WORK SHALL BE STARTED UNTIL THE OWNERS OF THE VARIOUS UTILITIES ARE NOTIFIED BY THE CONTRACTOR OF THE PROPOSED CONSTRUCTION. THE CONTRACTOR IS ALSO REQUIRED TO CALL DIG SAFE AT 1-888-344-7233 PRIOR TO THE START OF THE WORK.
2. THE UTILITIES INVOLVED IN THIS CONTRACT ARE:
 - MAINE TURNPIKE AUTHORITY
 - CENTRAL MAINE POWER
 - FAIRPOINT/CONSOLIDATED COMMUNICATIONS
 - SPECTRUM/CHARTER COMMUNICATIONS
3. THE CONTRACTOR SHALL NOTIFY THE RESIDENT 10 DAYS PRIOR TO CONSTRUCTION SO THE RESIDENT CAN ARRANGE FOR MAINE TURNPIKE UNDERGROUND UTILITY LOCATION. ALL PROPOSED EXCAVATION LOCATIONS SHALL BE MARKED AT THE NOTIFICATION TIME. EXCAVATION WILL NOT BE PERMITTED UNTIL THE AUTHORITY HAS LOCATED AND MARKED ITS' UNDERGROUND UTILITIES, OR NOTIFIED THE RESIDENT THERE ARE NO UNDERGROUND UTILITIES IN THE MARKED AREAS. THE AUTHORITY HAS PROGRAMMED TWO FIELD VISITS FOR MAINE TURNPIKE UTILITY COORDINATION ON THIS PROJECT. SHOULD THE CONTRACTOR NEED ADDITIONAL EXCAVATION LOCATIONS MARKED, OR SHOULD THE CONTRACTOR FAIL TO MAINTAIN THE AUTHORITY'S PREVIOUSLY ESTABLISHED DIG SAFE MARKS, THE AUTHORITY SHALL DEDUCT THE ADDED MARKING COSTS FROM THE CONTRACTOR'S PAYMENTS.
4. THE CONTRACTOR SHALL NOTIFY ALL NONMEMBERS THROUGH WWW.OKtoDIG.COM OR AS OTHERWISE REQUIRED BY THE MAINE PUBLIC UTILITIES COMMISSION. NO EXCAVATION SHALL BE PERMITTED UNTIL THE AUTHORITY HAS LOCATED AND MARKED ITS UNDERGROUND UTILITIES. THE RESIDENT ENGINEER SHALL BE PROVIDED AN ELECTRONIC COPY OF ALL DIG SAGE TICKETS WITHIN 24 HOURS OF THEIR RELEASE FOR PROJECT NOTIFICATIONS AND 3RD PARTY UTILITY LOCATOR COORDINATION.
5. FOLLOWING THE COMPLETION OF THE INITIAL UTILITY LOCATE, THE CONTRACTOR WILL GPS ALL UTILITIES WITHIN THE PROJECT LIMITS AND PROVIDE A COPY OF THE DIG SAFE RECORDS TO THE AUTHORITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMARKING ALL MTA UNDERGROUND UTILITIES WHEN A DIG SAFE UTILITY LOCATE IS CALLED IN FOR THE PROJECT.
6. CONTRACTOR SHALL PROTECT ALL NEW AND EXISTING UTILITIES FROM DAMAGE DURING THE CONSTRUCTION AS APPROVED BY THE UTILITY OWNERS. SEE SPECIFICATIONS FOR REQUIRED UTILITY COORDINATION.
7. EXCEPT AS ALLOWED IN THE PROJECT SPECIFICATIONS OR APPROVED BY THE RESIDENT, THE CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES IN SERVICE AT ALL TIMES.
8. IF THE CONTRACTOR DAMAGES UTILITY SERVICES, HE SHALL IMMEDIATELY NOTIFY THE RESPECTIVE UTILITY COMPANY AND SHALL IMMEDIATELY REPLACE THEM AT HIS OWN EXPENSE.
9. DURING CONSTRUCTION, THE PROPANE TANKS SHALL BE PROTECTED AT ALL TIMES.
10. THE CONTRACTOR SHALL SUBMIT DESIGN CALCULATIONS AND CONSTRUCTION DRAWINGS FOR THE CONCRETE PROPANE TANK PAD, IN ACCORDANCE WITH SPECIAL PROVISION 502.

EROSION CONTROL

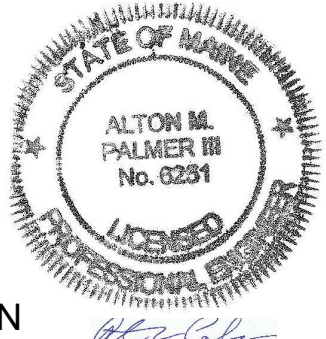


1. THE ANTICIPATED EROSION CONTROL DEVICES ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL PROPOSED ACTUAL TYPE AND LOCATION OF DEVICES FOR APPROVAL BY THE RESIDENT. ADDITIONAL MEASURES MAY BE PROPOSED BY THE CONTRACTOR DUE TO SITE OR WEATHER CONDITIONS. THE RESIDENT MAY DIRECT THE CONTRACTOR TO IMPLEMENT ADDITIONAL MEASURES. ANY ADDITIONAL MEASURES APPROVED BY THE RESIDENT WILL BE MEASURED FOR PAYMENT.
2. 4" LOAM HAS BEEN ESTIMATED FOR 100% OF THE DISTURBED SLOPE AREA UNLESS OTHERWISE SPECIFIED ON THE PLANS. ACTUAL PLACEMENT OF THE LOAM SHALL BE AS DESIGNATED BY THE RESIDENT.
3. UNLESS OTHERWISE NOTED, SEEDING METHOD NO. 1 SHALL BE UTILIZED ON ALL LAWNS AND DEVELOPED AREAS. SEEDING METHOD NO. 2 SHALL BE USED ON ALL OTHER AREAS.
4. NEWLY DISTURBED EARTH SHALL BE MULCHED PRIOR TO A RAIN EVENT. THIS WORK SHALL NOT BE PAID FOR SEPARATELY AND SHALL BE CONSIDERED AS INCIDENTAL TO THE PROJECT.
5. ALL TEMPORARY AND PERMANENT EROSION CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE MAINE DEPARTMENT OF TRANSPORTATION BEST MANAGEMENT PRACTICES.
6. TEMPORARY SEED SHALL BE APPLIED TO ALL DISTURBED AREAS THAT WILL NOT BE COMPLETED WITHIN 30 DAYS.
7. TEMPORARY EROSION CONTROL BLANKET SHALL BE INSTALLED IN ALL DITCHES AND 2:1 SLOPES FROM TOP TO TOE OF SLOPE. LOAM AND SEED SHALL BE PLACED PRIOR TO THE INSTALLATION OF THE EROSION CONTROL BLANKET. LIMITS OF THE EROSION CONTROL BLANKET IN DITCHES SHALL BE 8' WIDE OR AS DESIGNATED BY THE RESIDENT.
8. TEMPORARY STABILIZATION WITH MULCH OR OTHER NON-ERODIBLE COVER IS REQUIRED ON ALL EXPOSED SOILS THAT WILL NOT BE WORKED ON FOR MORE THAN 7 DAYS. AREAS WITHIN 75 SHEET OF A WETLAND OR WATERBODY SHALL BE STABILIZED WITHIN 48 HOURS OF THE INITIAL DISTURBANCE OF THE SOIL OR PRIOR TO ANY STORM EVENT, WHICHEVER COMES FIRST.
9. LAND DISTURBING ACTIVITIES SHALL BE ACCOMPLISHED IN A MANNER AND SEQUENCE THAT CAUSES THE LAST PRACTICAL DISTURBANCE OF THE SITE.
10. PRIOR TO BEGINNING ANY LAND DISTURBING ACTIVITIES, THE CONTRACTOR SHALL INSTALL THE PERIMETER SILT FENCES AND SEDIMENTATION BARRIERS.
11. WATER FROM DEWATERING SHALL BE PUMPED THROUGH A DIRT BAG (SEE DETAIL). DIRT BAG OUTLET LOCATION SHALL NOT BE WITHIN 50' OF AN EXISTING WETLAND. NO SEPARATE PAYMENT WILL BE MADE TO CONTRACTOR FOR PROVIDING THE DIRT BAG, IT SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

PAVING

1. REFER TO THE SPECIAL PROVISIONS FOR INFORMATION REGARDING PAVEMENT AND TACK COAT SPECIFICATIONS.

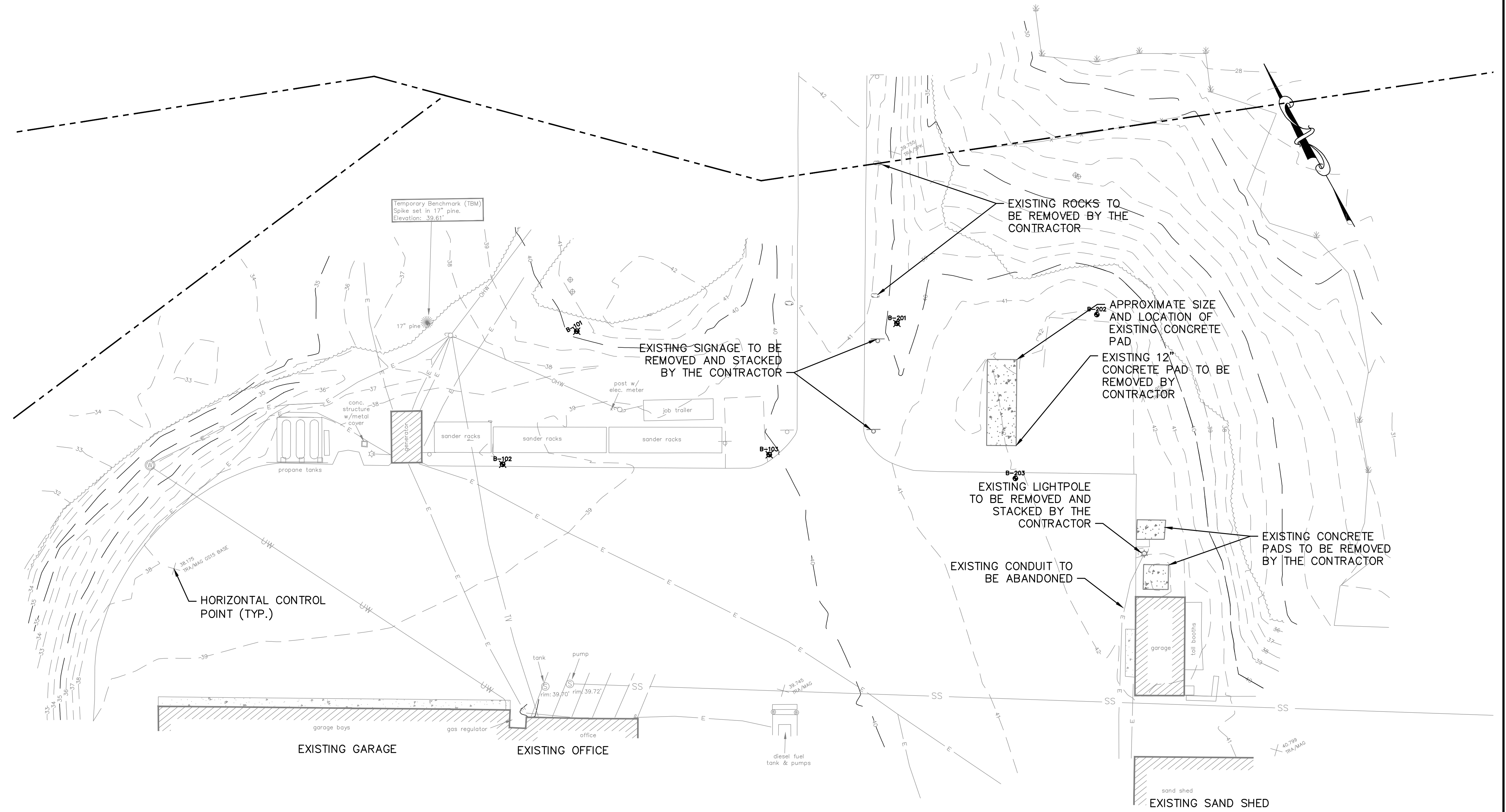
DRAINAGE

1. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT.
2. INLETS AND OUTLETS OF ALL CULVERTS SHALL BE RIPRAPPED UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE RESIDENT.
3. ONE GREEN DELINEATOR POST SHALL BE INSTALLED AT ALL UNDERDRAIN AND STORM DRAIN OUTLETS.

Scale: N/A		Designed by: ALTON M. PALMER, P.E.										THE GOLD STAR MEMORIAL HIGHWAY		CONTRACT 2023.06 YORK VEHICLE STORAGE GARAGE GENERAL NOTES																											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">No.</th> <th style="width: 15%;">Revision</th> <th style="width: 5%;">By</th> <th style="width: 5%;">Date</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>		No.	Revision	By	Date																					ISSUED FOR BID - NOT FOR CONSTRUCTION				<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">By</th> <th style="width: 5%;">Date</th> <th style="width: 5%;">By</th> <th style="width: 5%;">Date</th> </tr> </thead> <tbody> <tr> <td>Designed: AMP</td> <td>03/28/23</td> <td>Checked:</td> <td>AMP 03/28/23</td> </tr> <tr> <td>Drawn: CEH</td> <td>03/28/23</td> <td></td> <td></td> </tr> </tbody> </table>		By	Date	By	Date	Designed: AMP	03/28/23	Checked:	AMP 03/28/23	Drawn: CEH	03/28/23
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										CONTRACT: 2023.06		2 OF 33																													

CIVIL LEGEND

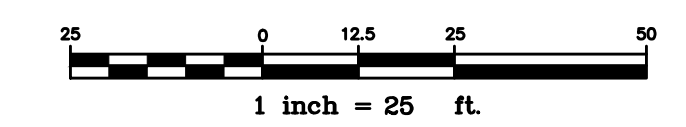
SYMBOL	DESCRIPTION
---	EXISTING RIGHT-OF-WAY
---	EXISTING SETBACK
---	EXISTING EDGE OF PAVEMENT
---	EXISTING TREELINE
X	EXISTING CHAINLINK FENCE
---	EXISTING GUARDRAIL
---	EXISTING CONTOUR
---	EXISTING BUILDING
UG	EXISTING UNDERGROUND GAS
OHW	EXISTING OVERHEAD WIRE
UC	EXISTING UNDERGROUND CABLE
UW	EXISTING UNDERGROUND WATER
UE	EXISTING UNDERGROUND ELECTRIC
15" RCP SD	EXISTING UNDERGROUND STORM DRAIN
□	EXISTING CATCH BASIN
+	EXISTING FREE STANDING SIGN
+	EXISTING WATER SHUT OFF
+	EXISTING LIGHT POLE
+	EXISTING PROPANE TANK
+	EXISTING UTILITY POLE
+	EXISTING HYDRANT
---	PROPOSED VERTICAL GRANITE CURB
---	PROPOSED EDGE OF BUILDING
---	PROPOSED GUARDRAIL
---	PROPOSED CONCRETE
---	PROPOSED EDGE OF PAVEMENT
---	PROPOSED CONTOUR
---	PROPOSED SEWER
---	PROPOSED WATER
---	PROPOSED UNDERGROUND ELECTRIC
---	PROPOSED PROPANE LINE
---	PROPOSED SILT FENCE
GP11-201	2019 SOIL PROBE LOCATION
B11-101	2019 BORING LOCATION



NOTES

1. NORTH IS REFERENCED TO GRID NORTH, MAINE STATE PLANE COORDINATE SYSTEM, WEST ZONE, NAD83.
2. ELEVATIONS ARE BASED ON GPS OBSERVATIONS, NAVD88 DATUM. BENCHMARK IS A SPIKE SET IN A 17" PINE LOCATED NORTHEASTERLY OF THE GENERATOR BUILDING. ELEVATION: 39.61'.
3. UTILITY INFORMATION ON THIS PLAN IS APPROXIMATE, BASED ON LOCATION OF VISIBLE FEATURES.
4. SEE BOUNDARY SURVEY AND EXISTING CONDITIONS PLAN PREPARED BY TITCOMB ASSOCIATES DATED APRIL 2020.

B-XXX APPROXIMATE LOCATION OF BORING



Scale:
1"=25'

No.	Revision	By	Date

Designed by:
ALTON M. PALMER, P.E.

ISSUED FOR BID - NOT FOR CONSTRUCTION

By	Date	By	Date
Designed: AMP	03/28/23	Checked: AMP	03/28/23
Drawn: CEH	03/28/23		

GORRILL PALMER

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

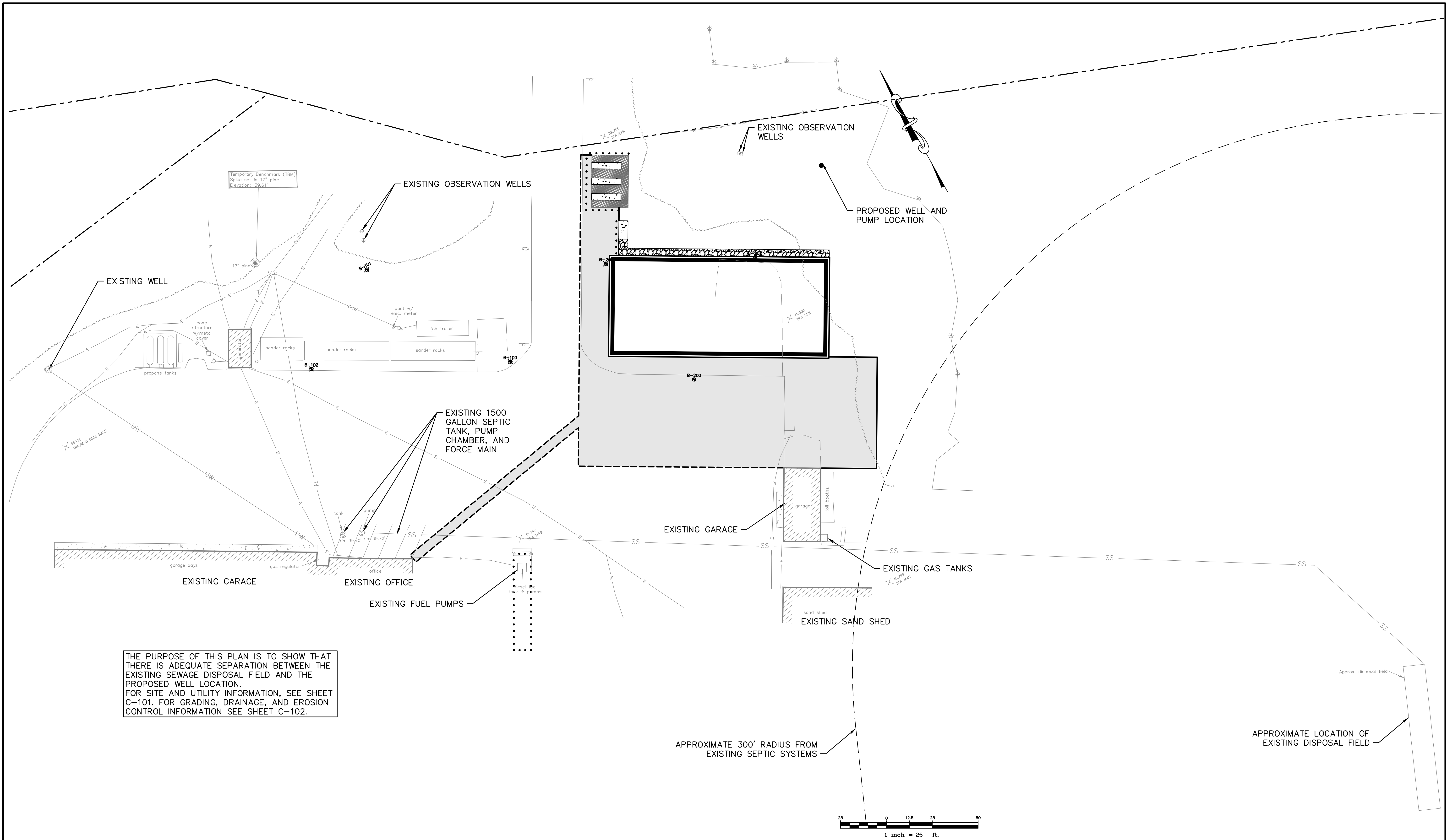
MTA PROJECT MANAGER: Brian A. Taddeo, P.E.

CONTRACT 2023.06
YORK VEHICLE STORAGE GARAGE
EXISTING CONDITIONS AND REMOVALS PLAN

SHEET NUMBER: C-002

CONTRACT: 2023.06 3 OF 33

PROJ.NO.: 3660 CAD FILE: 3660-DEMO.dwg

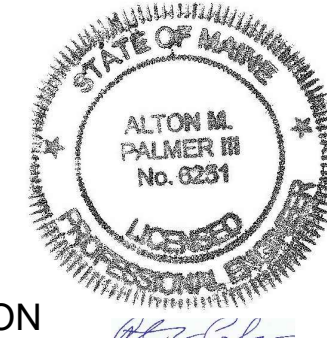


THE PURPOSE OF THIS PLAN IS TO SHOW THAT THERE IS ADEQUATE SEPARATION BETWEEN THE EXISTING SEWAGE DISPOSAL FIELD AND THE PROPOSED WELL LOCATION. FOR SITE AND UTILITY INFORMATION, SEE SHEET C-101. FOR GRADING, DRAINAGE, AND EROSION CONTROL INFORMATION SEE SHEET C-102.

Scale:
1"=25'

No.	Revision	By	Date

Designed by:
ALTON M. PALMER, P.E.



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Designed:	By	Date	Checked:	By	Date
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GORRILL PALMER



THE GOLD STAR MEMORIAL HIGHWAY

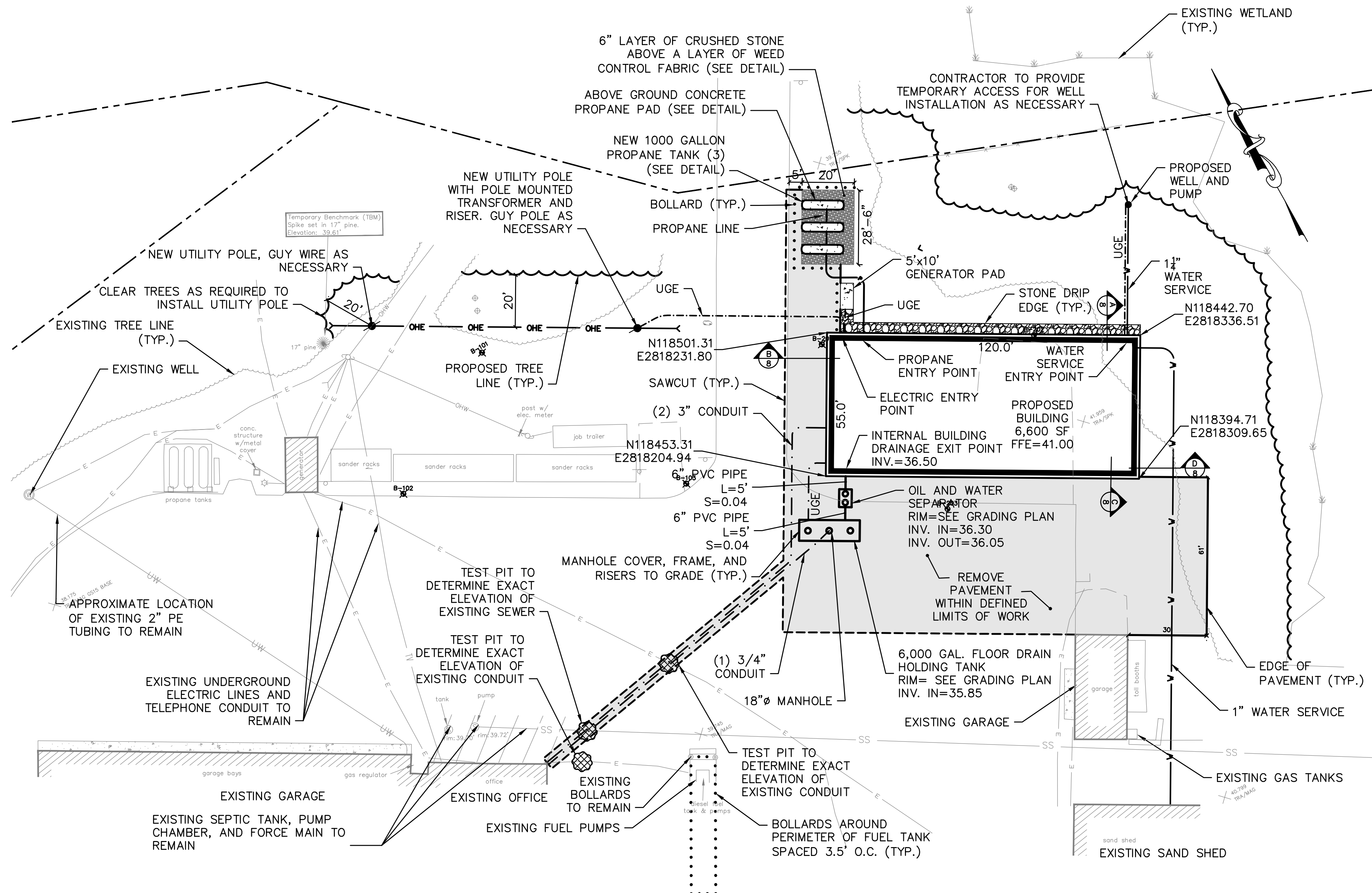
CONTRACT 2023.06
YORK VEHICLE STORAGE GARAGE
SEWER AND WELL SEPARATION PLAN

SHEET NUMBER: C-100

CONTRACT: 2023.06

4 OF 33

PROJ.NO.: 3660 CAD FILE: 3660-SP.dwg MTA PROJECT MANAGER: Brian A. Taddeo, P.E.



CONCRETE PROPANE TANK PAD - LAYOUT DATA		
LOCATION	NORTHING	EASTING
NORTHWEST CORNER	118550.39	2818247.81
NORTHEAST CORNER	118542.58	2818261.77
SOUTHEAST CORNER	118539.52	2818260.06
SOUTHWEST CORNER	118547.34	2818246.10

CONCRETE PROPANE TANK PAD - LAYOUT DATA		
LOCATION	NORTHING	EASTING
NORTHWEST CORNER	118542.97	2818243.65
NORTHEAST CORNER	118535.16	2818257.62
SOUTHEAST CORNER	118532.10	2818255.91
SOUTHWEST CORNER	118539.92	2818241.95

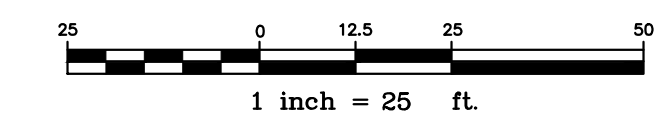
CONCRETE PROPANE TANK PAD - LAYOUT DATA		
LOCATION	NORTHING	EASTING
NORTHWEST CORNER	118535.56	2818239.50
NORTHEAST CORNER	118527.74	2818253.47
SOUTHEAST CORNER	118524.69	2818251.76
SOUTHWEST CORNER	118532.50	2818237.79

OIL AND WATER SEPARATOR - LAYOUT DATA		
LOCATION	NORTHING	EASTING
NORTHWEST CORNER	118446.46	2818207.02
NORTHEAST CORNER	118444.07	2818211.22
SOUTHEAST CORNER	118438.13	2818207.85
SOUTHWEST CORNER	118440.52	2818203.64

6,000 GALLON HOLDING TANK - LAYOUT DATA		
LOCATION	NORTHING	EASTING
NORTHWEST CORNER	118443.54	2818187.97
NORTHEAST CORNER	118432.21	2818208.21
SOUTHEAST CORNER	118425.23	2818204.31
SOUTHWEST CORNER	118436.56	2818184.06

CONCRETE GENERATOR PAD - LAYOUT DATA		
LOCATION	NORTHING	EASTING
NORTHWEST CORNER	118515.45	2818245.44
NORTHEAST CORNER	118513.01	2818249.80
SOUTHEAST CORNER	118504.28	2818244.92
SOUTHWEST CORNER	118506.72	2818240.56

PAVEMENT LEGEND	
	HEAVY DUTY BITUMINOUS PAVEMENT
	REINFORCED CONCRETE



Scale:
1"=25'

No.	Revision	By	Date

Designed by:
ALTON M. PALMER, P.E.

ISSUED FOR BID - NOT FOR CONSTRUCTION

Designed:	By	Date	Checked:	By	Date
AMP	CEH	03/28/23	AMP	CEH	03/28/23

GORRILL PALMER

MAINE TURNPIKE

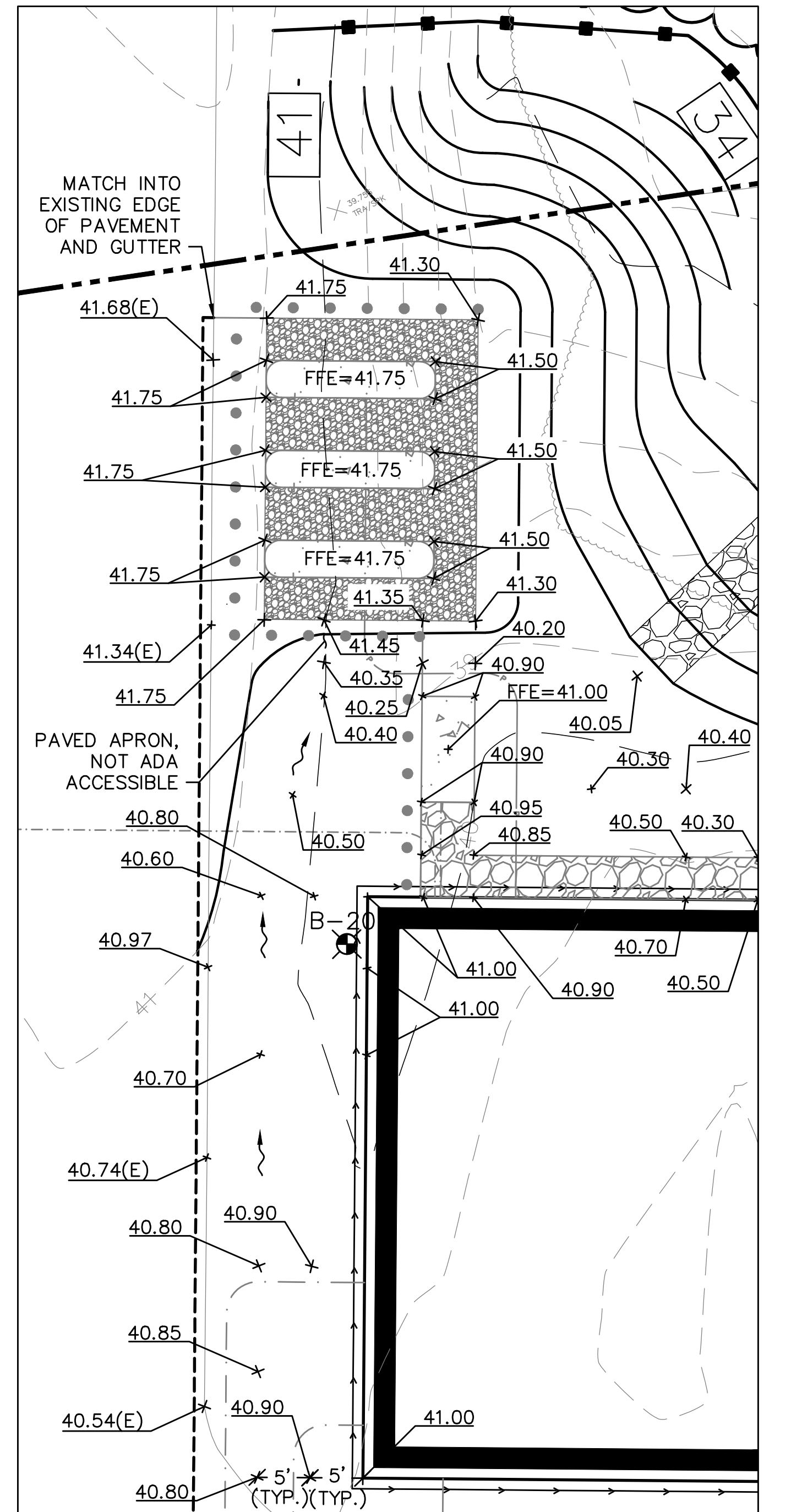
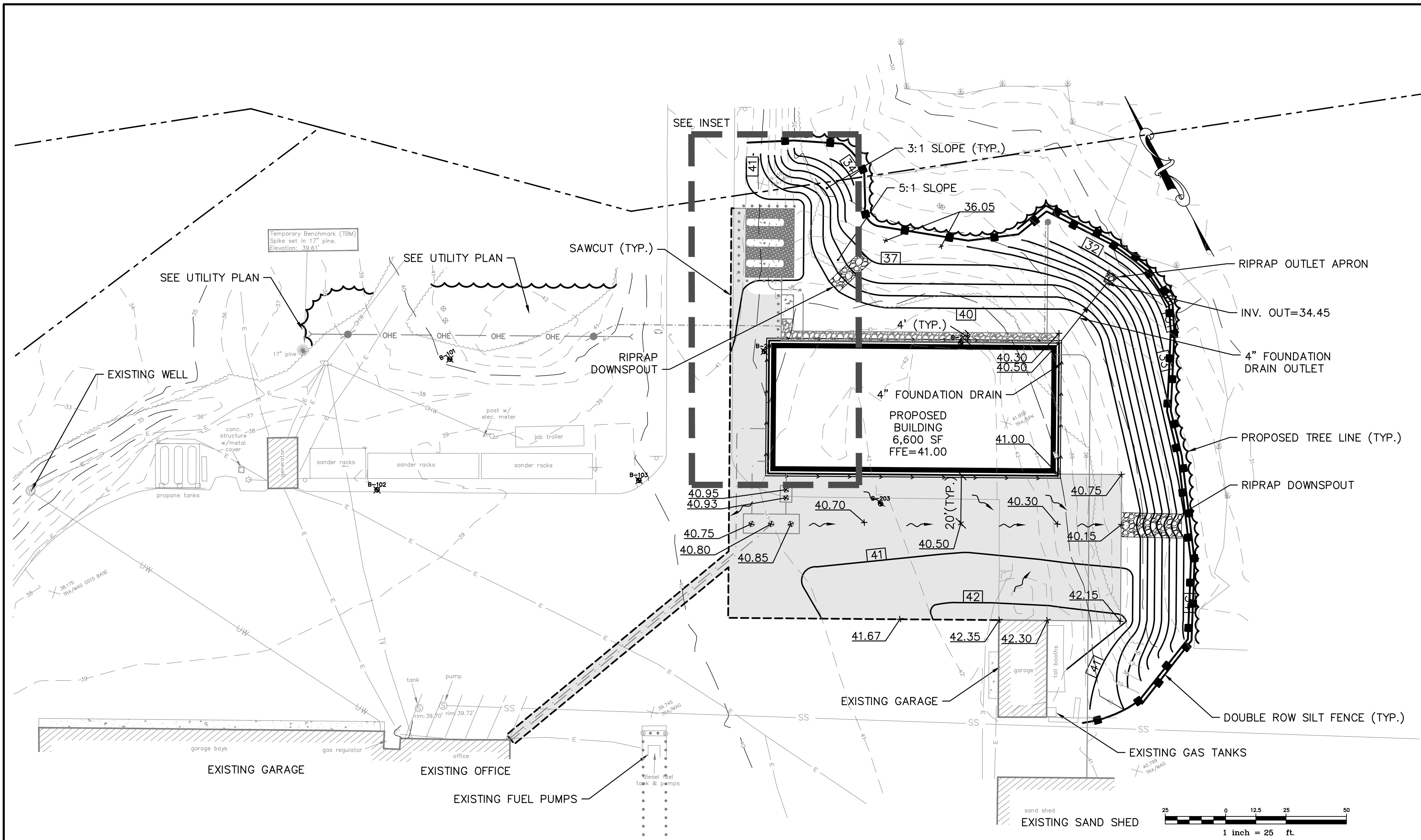
THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Brian A. Taddeo, P.E.

CONTRACT 2023.06
YORK VEHICLE STORAGE GARAGE
SITE AND UTILITY PLAN

SHEET NUMBER: C-101

CONTRACT: 2023.06 5 OF 33



GENERAL NOTES:

1. TOTAL "LIMITS OF DISTURBANCE" IS 0.65 ACRES.
2. ADDING 0.27 ACRES OF IMPERVIOUS SURFACE.

GRADING & DRAINAGE NOTES:

1. TOPSOIL STRIPPED IN AREAS OF CONSTRUCTION THAT IS SUITABLE FOR REUSE AS LOAM SHALL BE STOCKPILED ON SITE AT A LOCATION TO BE DESIGNATED BY THE OWNER. UNSUITABLE SOIL SHALL BE SEPARATED, REMOVED AND DISPOSED OF AT AN APPROVED DISPOSAL LOCATION OFF SITE.
2. THE CONTRACTOR SHALL ANTICIPATE THAT GROUNDWATER WILL BE ENCOUNTERED DURING CONSTRUCTION AND SHALL INCLUDE SUFFICIENT COSTS WITHIN THEIR BID TO PROVIDE DEWATERING AS NECESSARY. NO SEPARATE PAYMENT SHALL BE MADE TO THE CONTRACTOR FOR DEWATERING.
3. ALL SITE DISTURBANCE WILL REMAIN WITHIN THE GRADING LIMITS SHOWN ON THE PLANS. NO IMPACTS TO WETLANDS ARE AUTHORIZED.

EROSION CONTROL NOTES:

1. LAND DISTURBING ACTIVITIES SHALL BE ACCOMPLISHED IN A MANNER AND SEQUENCE THAT CAUSES THE LEAST PRACTICAL DISTURBANCE OF THE SITE.
2. PRIOR TO BEGINNING ANY CLEARING/LAND DISTURBING ACTIVITIES, THE CONTRACTOR SHALL INSTALL THE PERIMETER SILT FENCES AND SEDIMENTATION BARRIERS.
3. ALL GROUND AREAS DISTURBED FOR CONSTRUCTION WILL BE GRADED, LOAMED AND SEEDING AS SOON AS POSSIBLE.
4. ALL NON-PAVED AREAS DISTURBED DURING CONSTRUCTION SHALL BE LOAMED AND SEEDING, UNLESS OTHERWISE DIRECTED BY THE OWNER. ALL DISTURBED AREAS ARE TO RECEIVE A MINIMUM OF 4" OF TOPSOIL PRIOR TO PERMANENT SEEDING.
5. WATER FROM DEWATERING SHALL BE PUMPED THROUGH A DIRT BAG (SEE DETAIL). DIRT BAG OUTLET LOCATION SHALL NOT BE WITHIN 50' OF AN EXISTING WETLAND.
6. EROSION CONTROL BLANKET SHALL BE USED ON ALL SLOPES 2:1 OR STEEPER.

Scale: 1"=25'			
No.	Revision	By	Date

Designed by: ALTON M. PALMER, P.E.					
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Designed:	By	Date	Checked:	By	Date
Drawn:	CEH	03/28/23	AMP	AMP	03/28/23

GORRILL PALMER

THE GOLD STAR MEMORIAL HIGHWAY

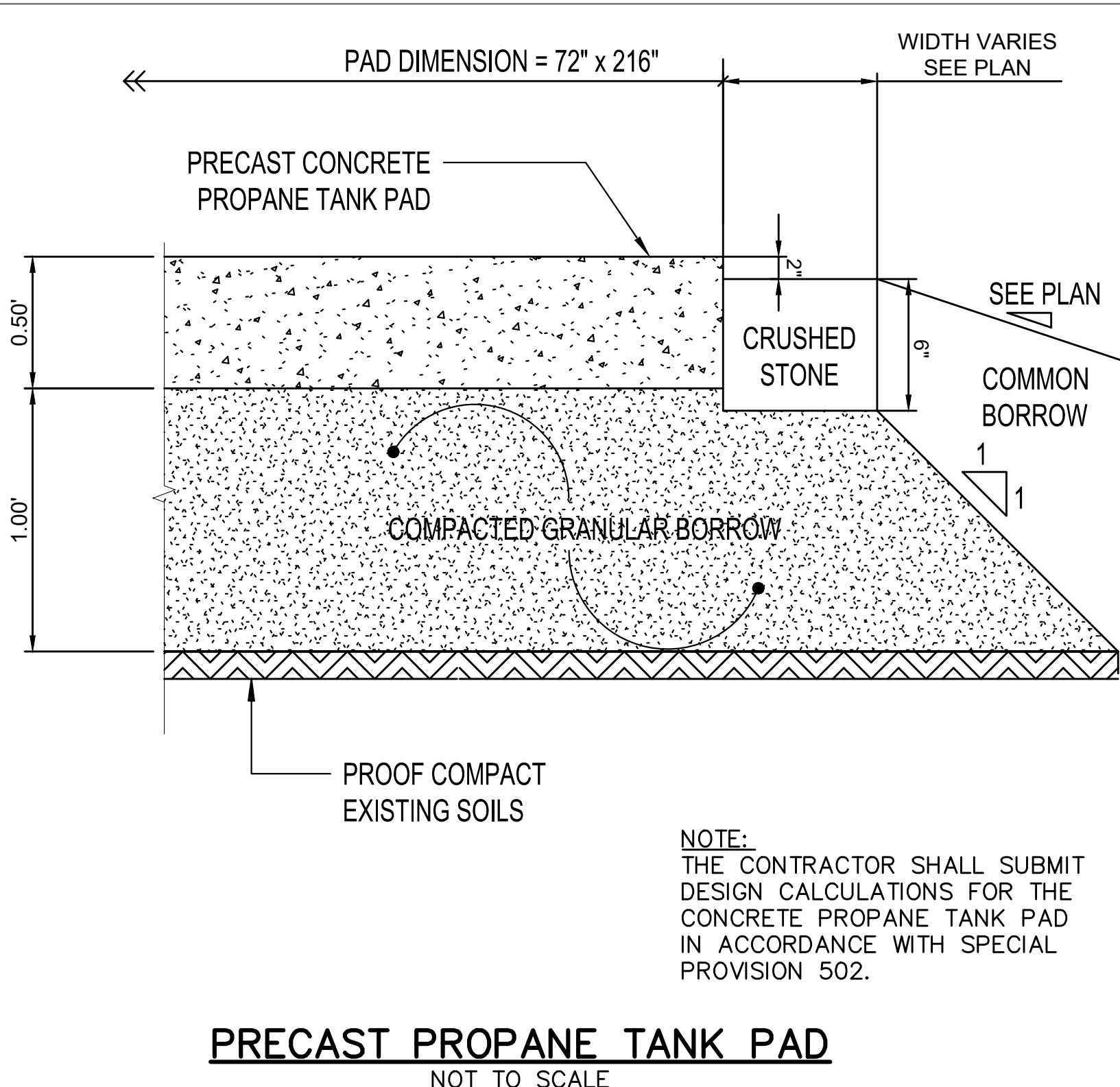
**CONTRACT 2023.06
YORK VEHICLE STORAGE GARAGE
GRADING, DRAINAGE,
EROSION CONTROL PLAN**

SHEET NUMBER: C-102

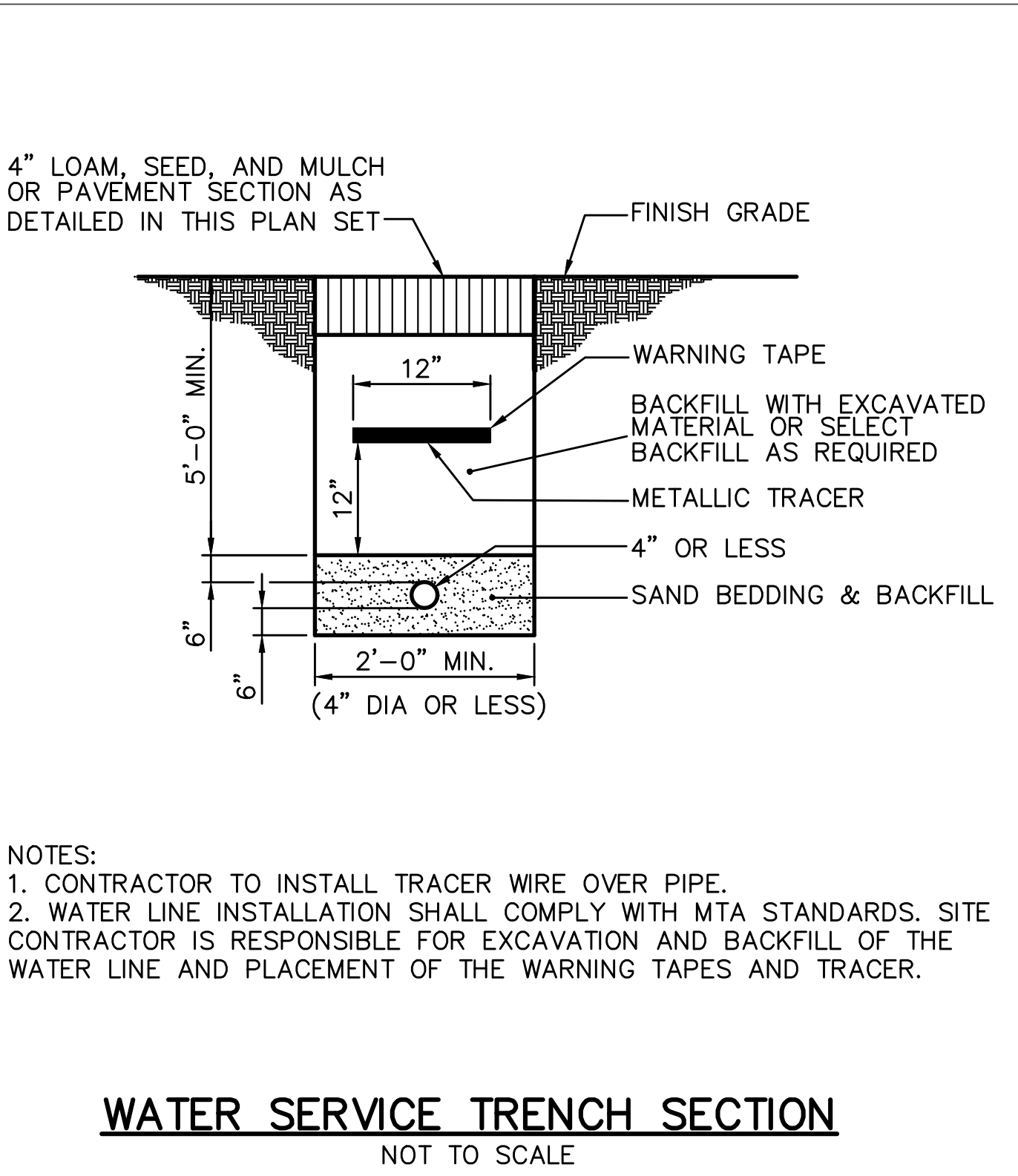
CONTRACT: 2023.06 6 OF 33

PROJ.NO.: 3660 CAD FILE: 3660-GRADING.dwg

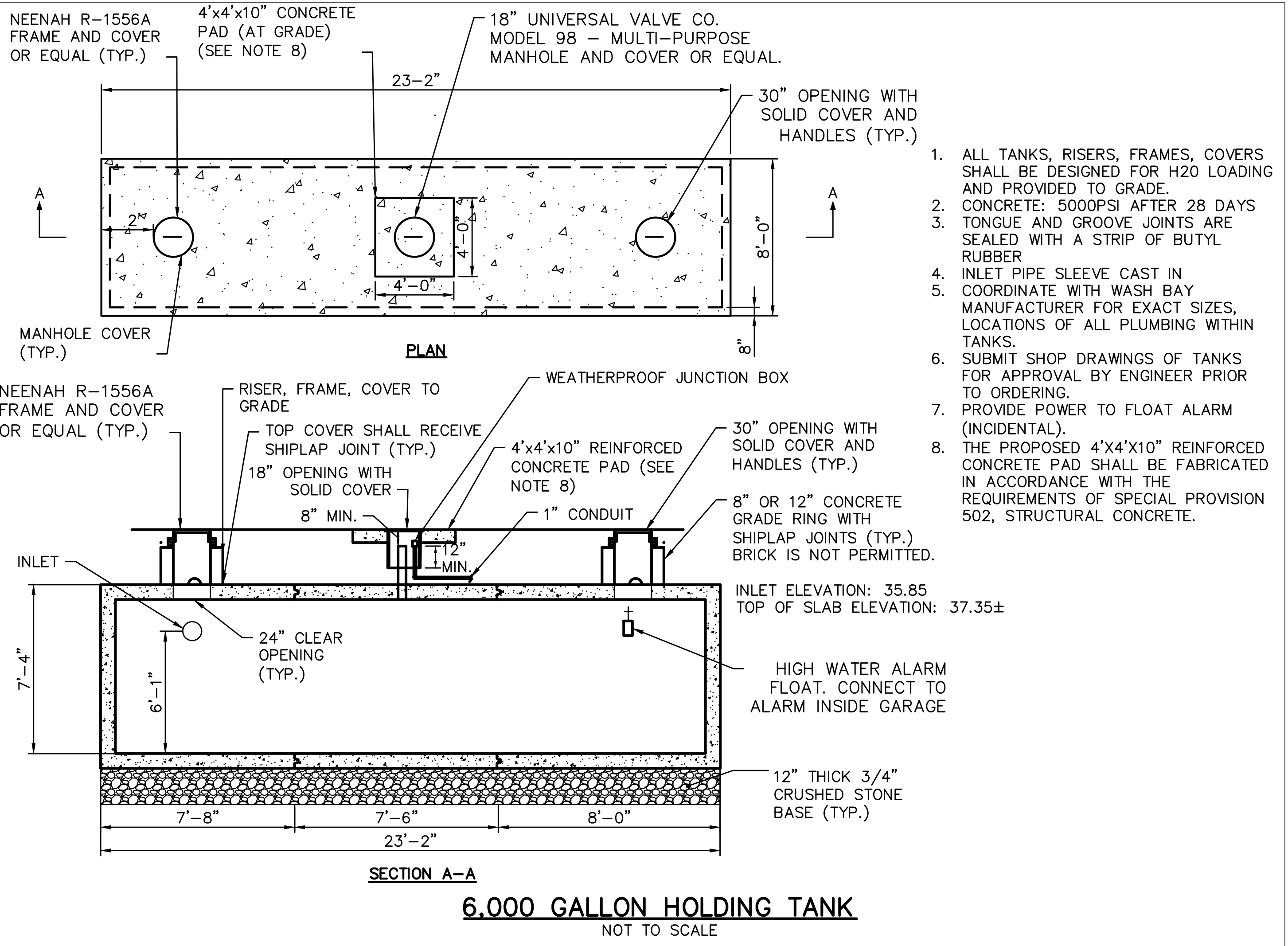
MTA PROJECT MANAGER: **Brian A. Taddeo, P.E.**



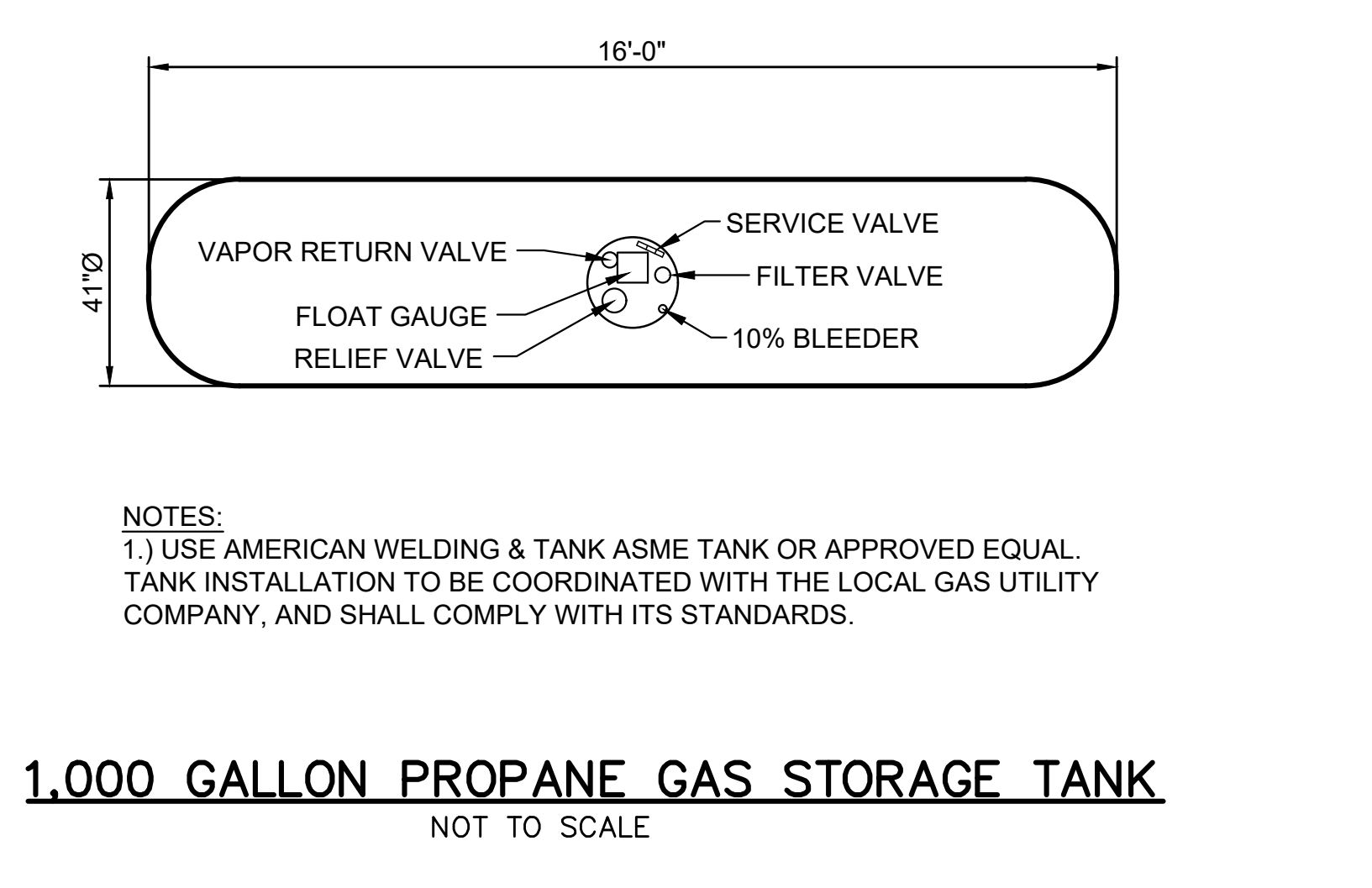
NOTE:
THE CONTRACTOR SHALL SUBMIT DESIGN CALCULATIONS FOR THE CONCRETE PROPANE TANK PAD IN ACCORDANCE WITH SPECIAL PROVISION 502.



NOTES:
1. CONTRACTOR TO INSTALL TRACER WIRE OVER PIPE.
2. WATER LINE INSTALLATION SHALL COMPLY WITH MTA STANDARDS. SITE CONTRACTOR IS RESPONSIBLE FOR EXCAVATION AND BACKFILL OF THE WATER LINE AND PLACEMENT OF THE WARNING TAPES AND TRACER.

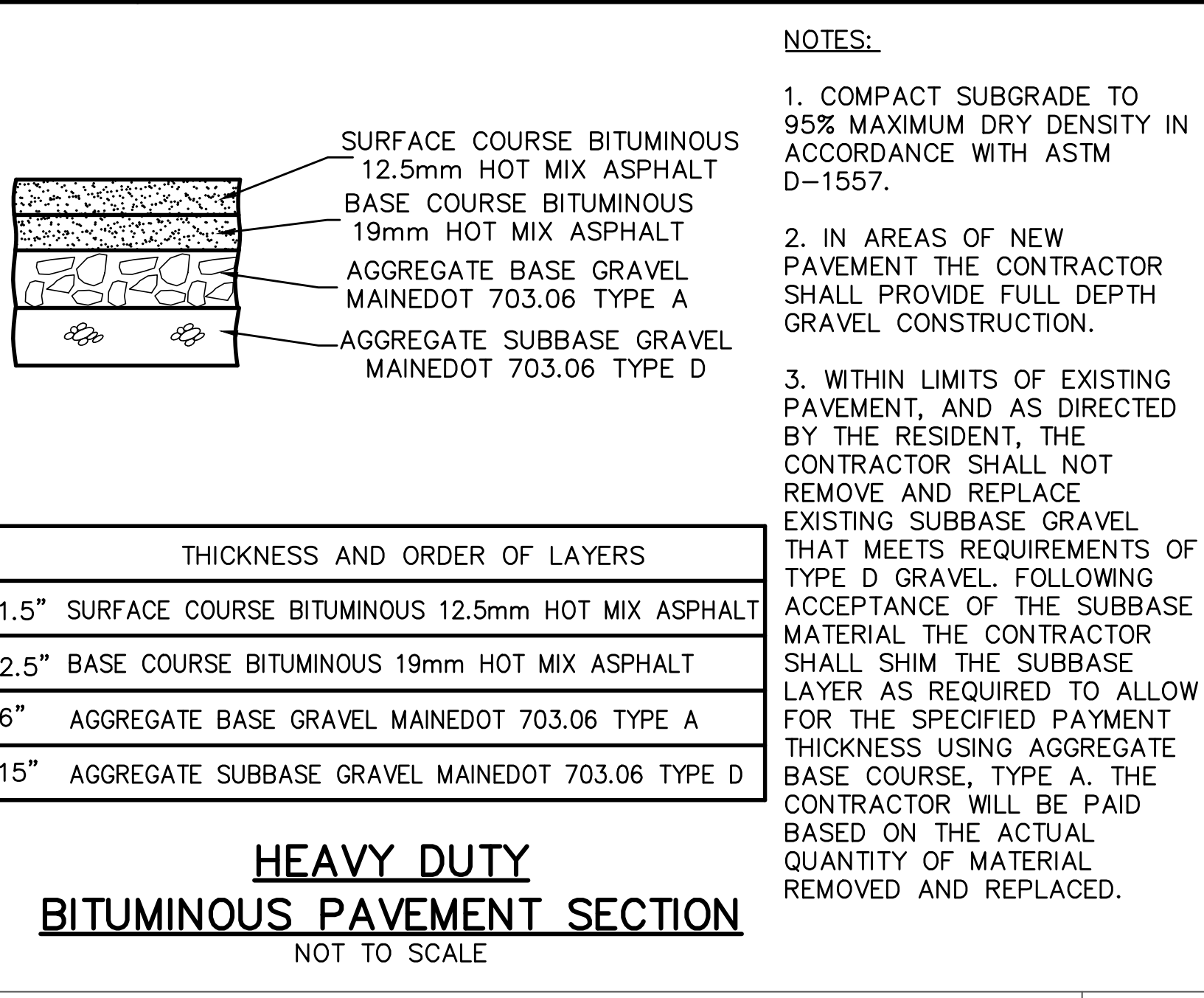


1. ALL TANKS, RISERS, FRAMES, COVERS SHALL BE DESIGNED FOR H2O LOADING AND PROVIDED TO GRADE.
2. CONCRETE: 5000PSI AFTER 28 DAYS
3. TONGUE AND GROOVE JOINTS ARE SEALED WITH A STRIP OF BUTYL RUBBER
4. INLET PIPE SLEEVE CAST IN COORDINATE WITH WASH BAY MANUFACTURER FOR EXACT SIZES, LOCATIONS OF ALL PLUMBING WITHIN TANKS.
5. SUBMIT SHOP DRAWINGS OF TANKS FOR APPROVAL BY ENGINEER PRIOR TO ORDERING.
6. PROVIDE POWER TO FLOAT ALARM (INCIDENTAL).
7. THE PROPOSED 4'X4'X10" REINFORCED CONCRETE PAD SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF SPECIAL PROVISION 502, STRUCTURAL CONCRETE.

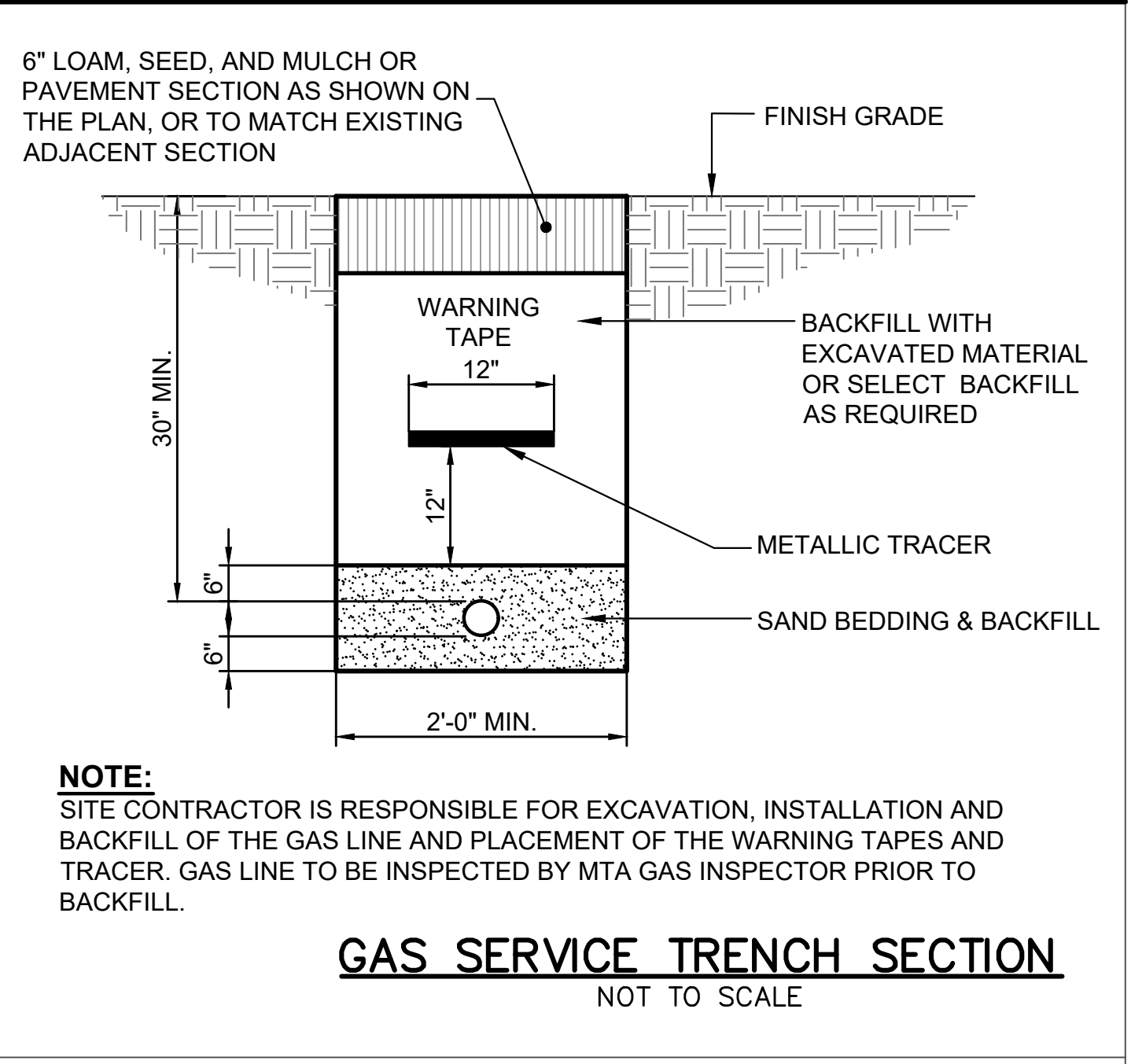


NOTES:
1.) USE AMERICAN WELDING & TANK ASME TANK OR APPROVED EQUAL. TANK INSTALLATION TO BE COORDINATED WITH THE LOCAL GAS UTILITY COMPANY, AND SHALL COMPLY WITH ITS STANDARDS.

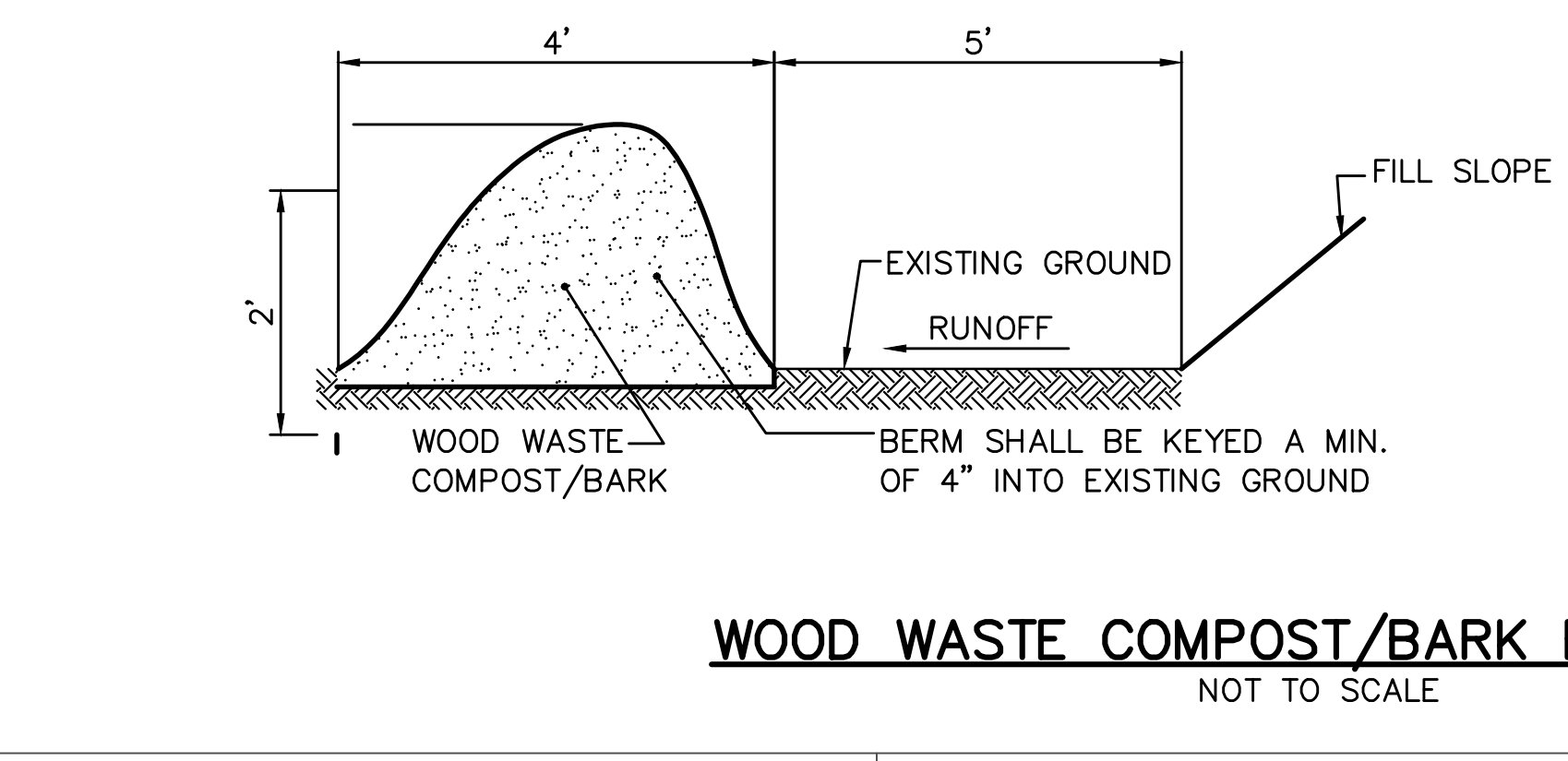
NOTES:
1. THE WOOD WASTE COMPOST/BARK MIX SHALL CONFORM TO THE FOLLOWING STANDARDS:
A. MOISTURE CONTENT - 30-60%.
B. pH - 5.0 - 8.0.
C. SCREEN SIZE - 100% LESS THAN 3", MAX. 70% LESS THAN 1".
D. NO LESS THAN 40% ORGANIC MATERIAL (DRY WEIGHT) BY LOSS OF IGNITION.
E. NO STONES LARGER THAN 2" IN DIAMETER.
F. SILTS, CLAYS OR SUGAR SANDS ARE NOT ACCEPTABLE IN THE MIX.
2. THE COMPOST BERM SHALL BE PLACED, UNCOMPACTED, ALONG A RELATIVELY LEVEL CONTOUR.
3. THE WOOD WASTE COMPOST/BARK FILTER BERM MAY BE USED IN LIEU OF SILTATION FENCE, AT THE TOE OF SHALLOW SLOPES, ON FROZEN GROUND, LEDGE OUT CROPS, VERY ROOTED FORESTED AREA OR AT THE EDGE OF GRAVEL PARKING AREAS.
4. BERMS SHALL REMAIN IN PLACE UNTIL UPSTREAM AREA IS COMPLETED OR 70% CATCH OF VEGETATION IS ATTAINED. BERMS SHALL BE REMOVED BY SPREADING SUCH THAT NATIVE EARTH CAN BE SEEN BELOW.



NOTES:
1. COMPACT SUBGRADE TO 95% MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D-1557.
2. IN AREAS OF NEW PAVEMENT THE CONTRACTOR SHALL PROVIDE FULL DEPTH GRAVEL CONSTRUCTION.
3. WITHIN LIMITS OF EXISTING PAVEMENT, AND AS DIRECTED BY THE RESIDENT, THE CONTRACTOR SHALL NOT REMOVE AND REPLACE EXISTING SUBBASE GRAVEL THAT MEETS REQUIREMENTS OF TYPE D GRAVEL. FOLLOWING ACCEPTANCE OF THE SUBBASE MATERIAL THE CONTRACTOR SHALL SHIM THE SUBBASE LAYER AS REQUIRED TO ALLOW FOR THE SPECIFIED PAYMENT THICKNESS USING AGGREGATE BASE COURSE, TYPE A. THE CONTRACTOR WILL BE PAID BASED ON THE ACTUAL QUANTITY OF MATERIAL REMOVED AND REPLACED.



NOTE:
SITE CONTRACTOR IS RESPONSIBLE FOR EXCAVATION, INSTALLATION AND BACKFILL OF THE GAS LINE AND PLACEMENT OF THE WARNING TAPES AND TRACER. GAS LINE TO BE INSPECTED BY MTA GAS INSPECTOR PRIOR TO BACKFILL.



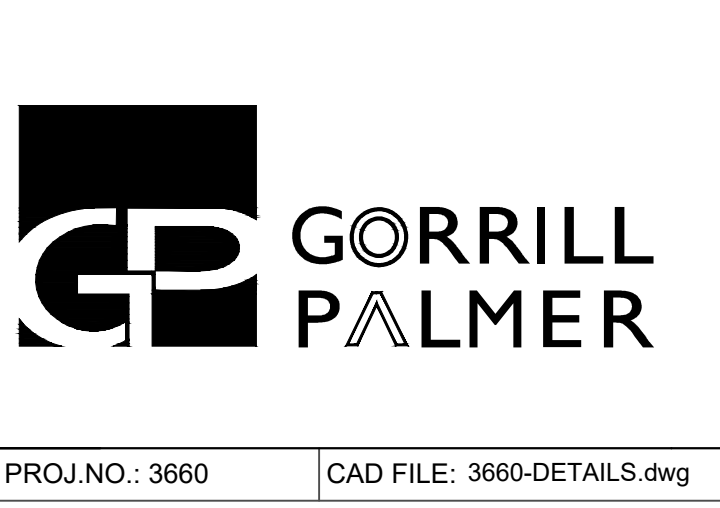
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No.	Revision	By	Date

Designed by: ALTON M. PALMER, P.E.

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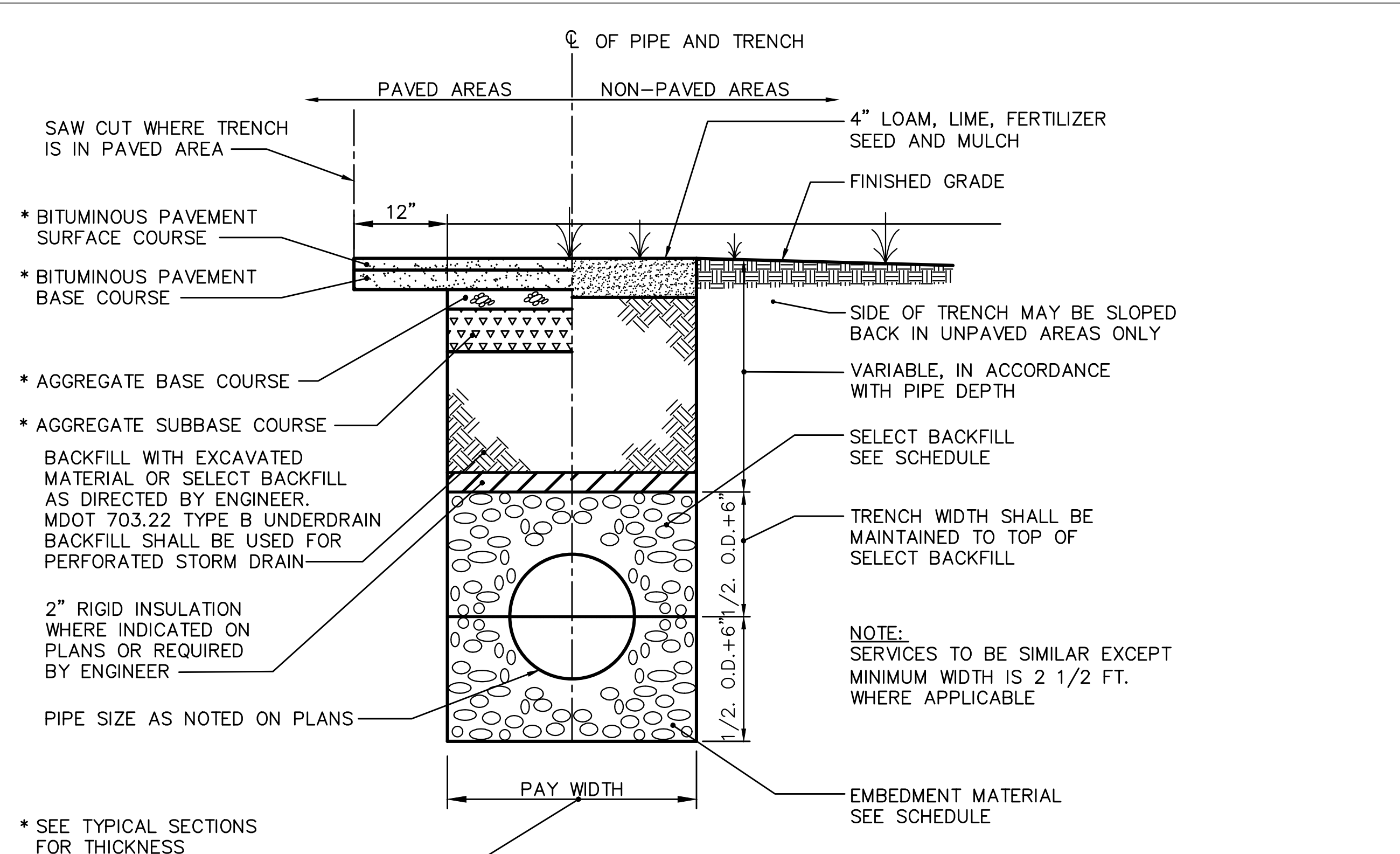


CONTRACT 2023.06
YORK VEHICLE STORAGE GARAGE
DETAILS - 1

SHEET NUMBER: C-401

CONTRACT: 2023.06 7 OF 33

MTA PROJECT MANAGER: Brian A. Taddeo, P.E.

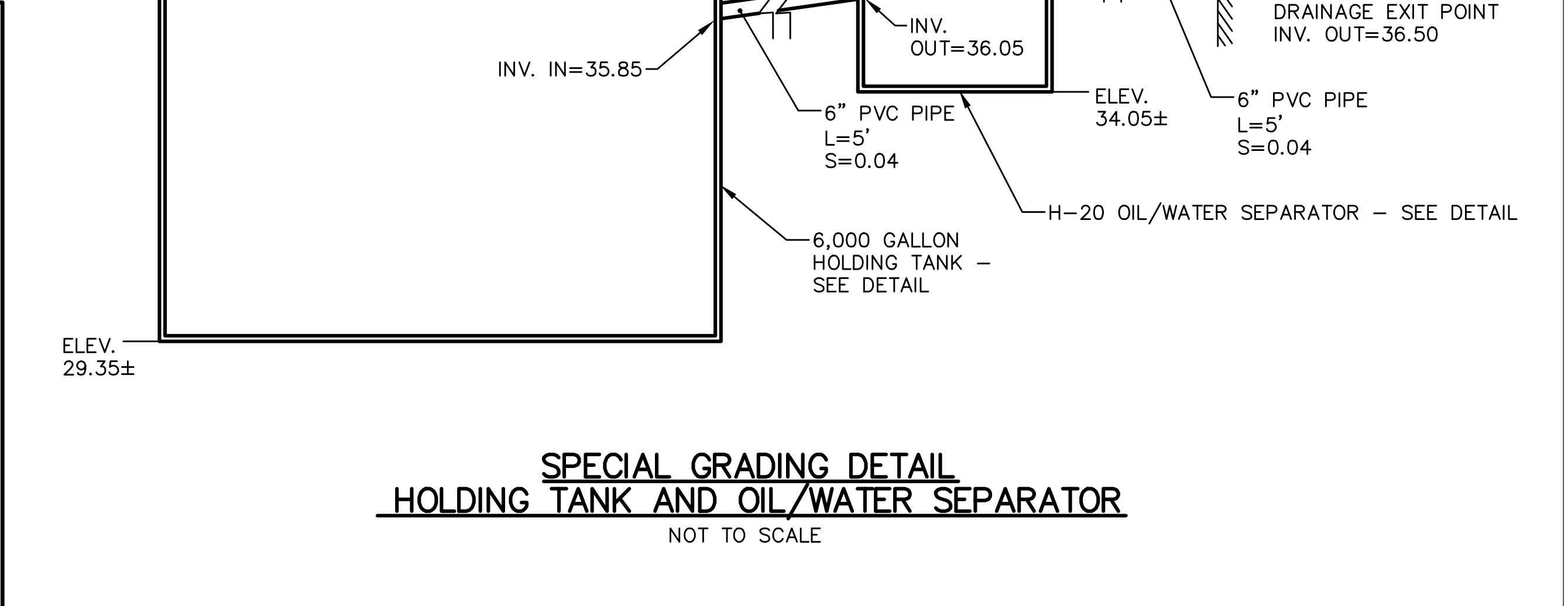
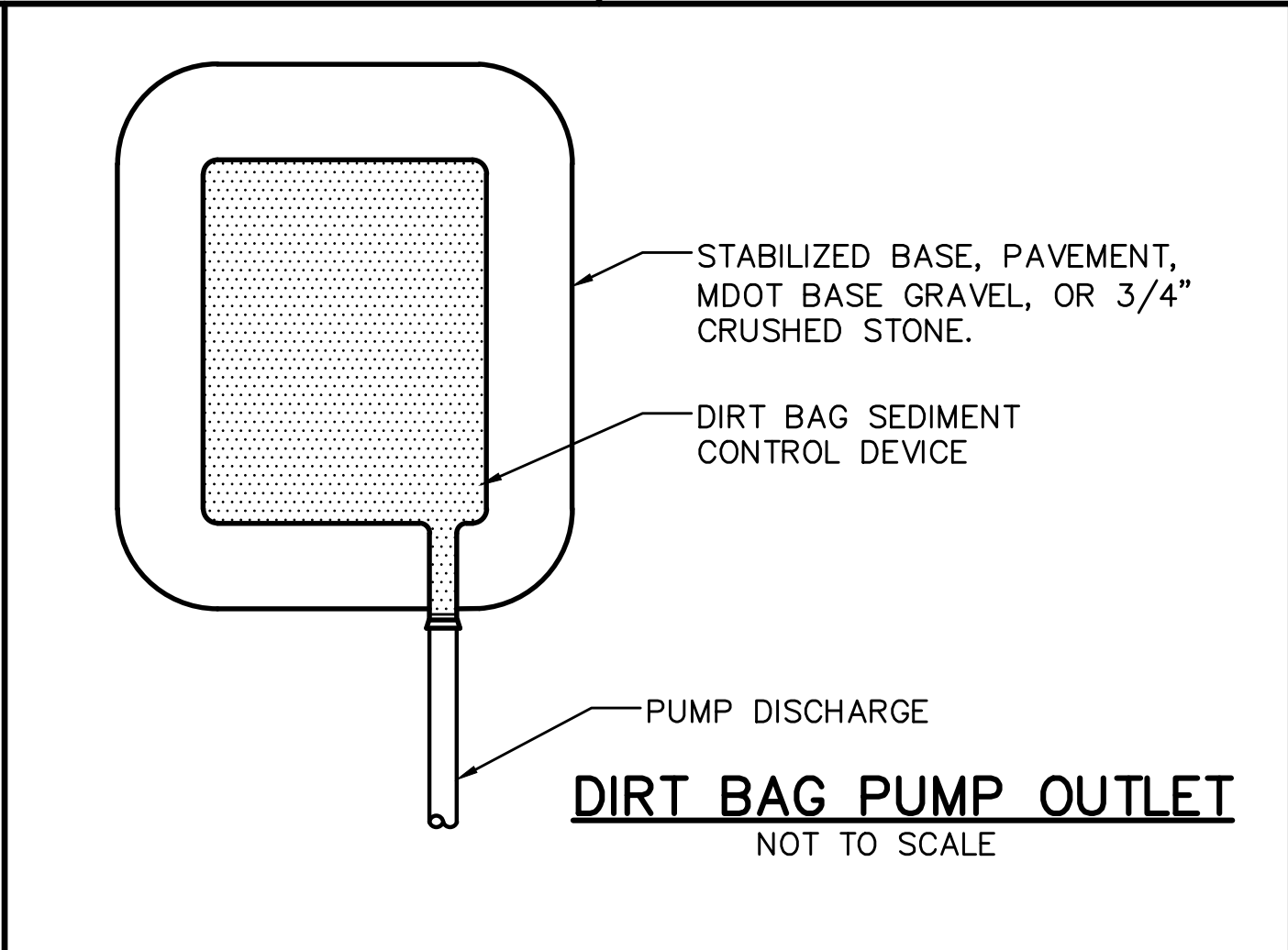
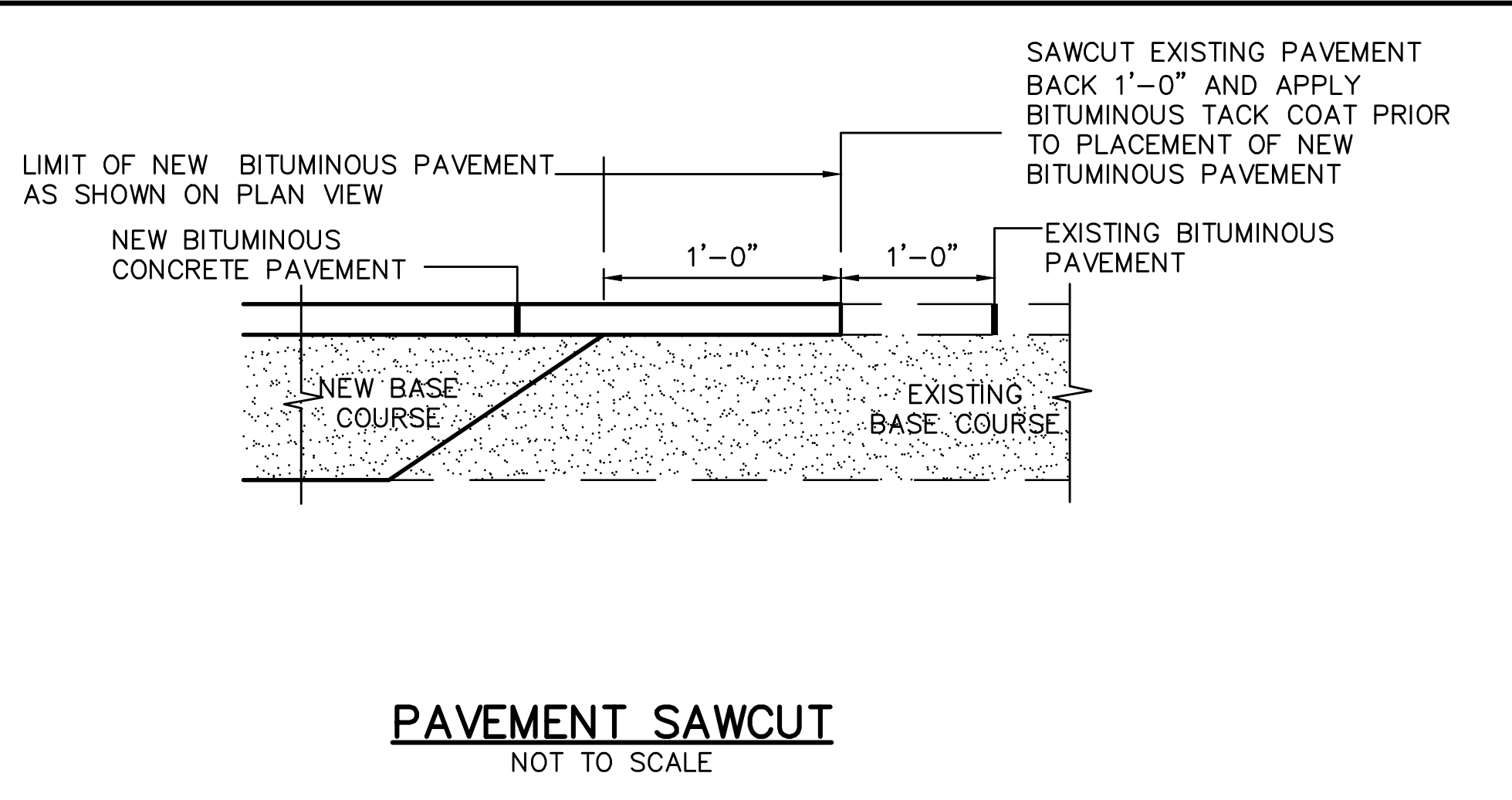
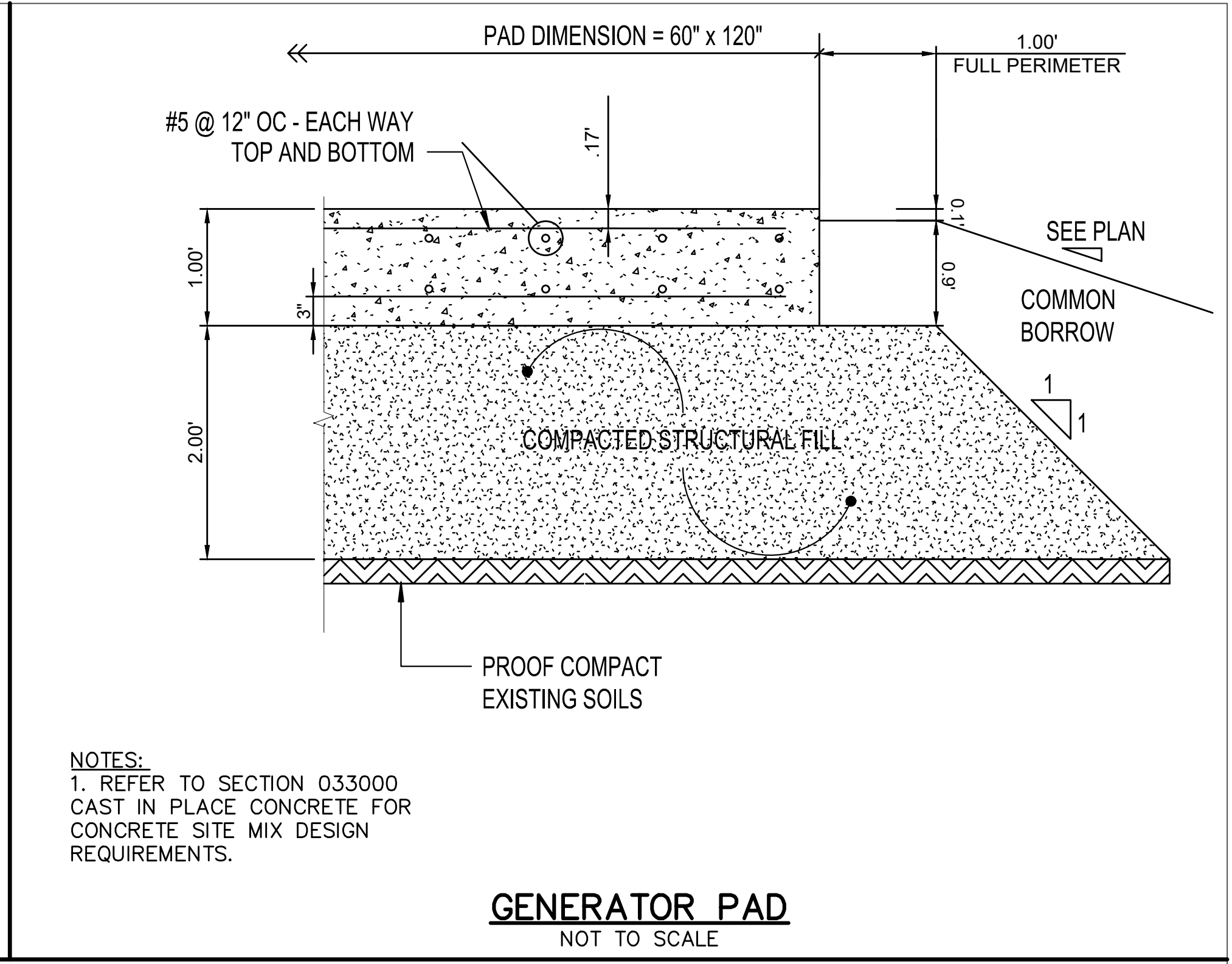
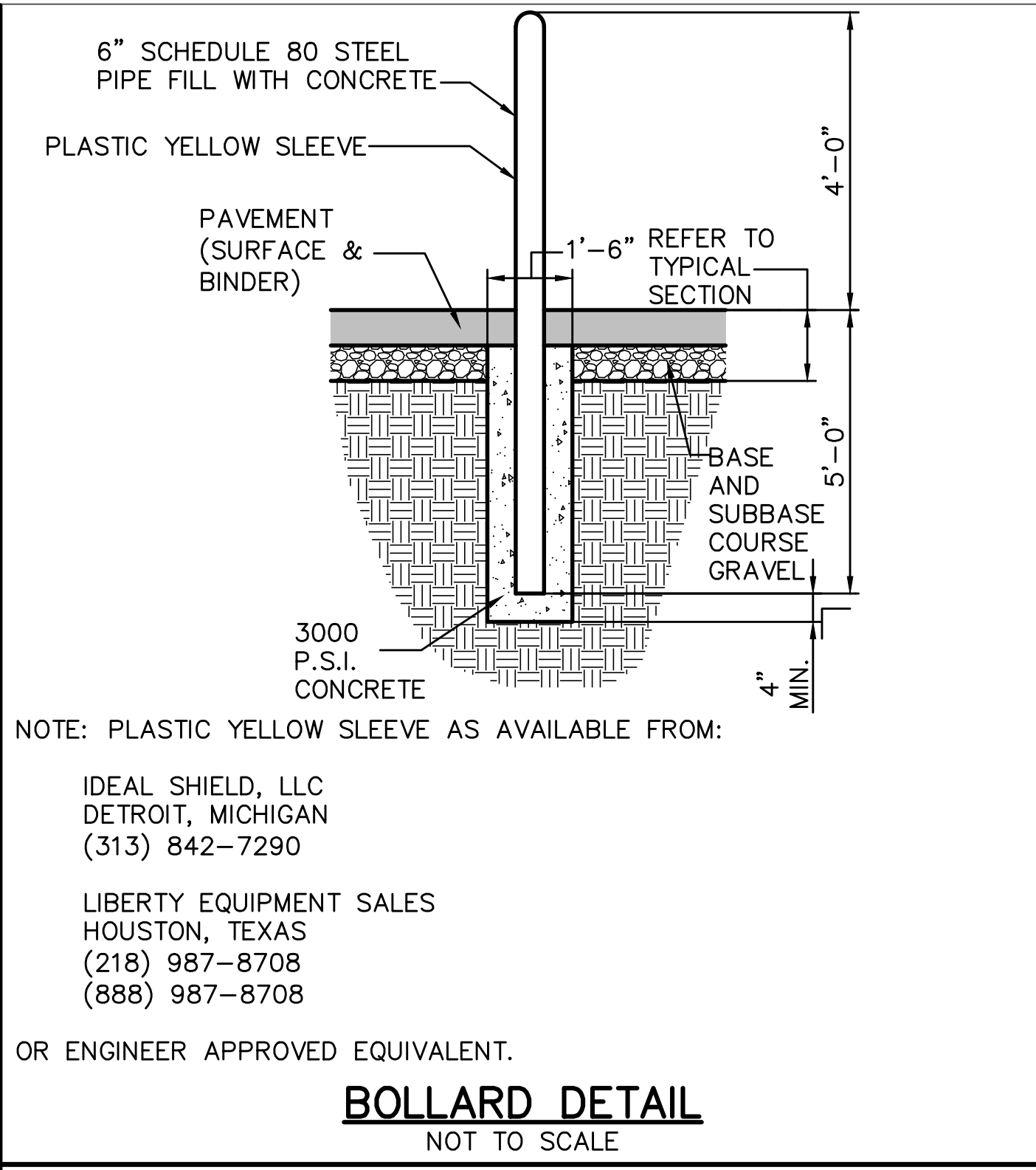


4/3 I.D. PIPE + 1'-6" (MIN. 3'-0")

SCHEDULE OF TRENCH BACKFILL			MINIMUM COVER	PIPE
TYPE OF PIPE	EMBEDMENT MATERIAL	SELECT BACKFILL	2'-0"	DRAIN (1)
PVC-SDR 35 HDPE	MDOT 703.22 TYPE C 3/4" CRUSHED STONE	MDOT 703.22 TYPE B UD BACKFILL	5'-5"	WATER
PERFORATED PVC-SDR35 HDPE	MDOT 703.22 TYPE C 3/4" CRUSHED STONE	MDOT 703.22 TYPE C 3/4" CRUSHED STONE	(1) COVER BETWEEN 2' AND 3' SHALL INCLUDE 4" RIGID INSULATION. COVER BETWEEN 3' AND 4' SHALL INCLUDE 2" RIGID INSULATION.	

TRENCH SECTION
NOT TO SCALE

NOTE:
1. BRACING AND SHEETING OR OTHER TRENCH PROTECTION TO BE PROVIDED TO MEET APPLICABLE STATE AND O.S.H.A. SAFETY STANDARDS. ALL SUCH TRENCH PROTECTION TO BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. INSTALL WARNING TAPE 12" DIRECTLY ABOVE UTILITIES.



Scale: N/A

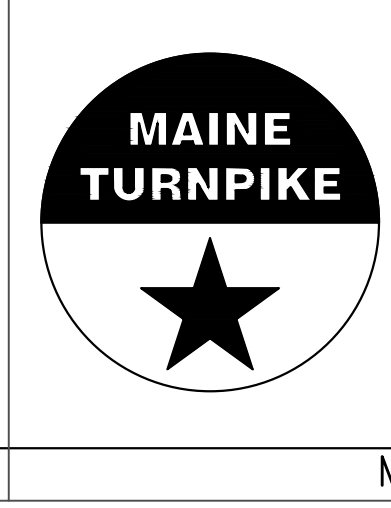
No.	Revision	By	Date

Designed by:
ALTON M. PALMER, P.E.

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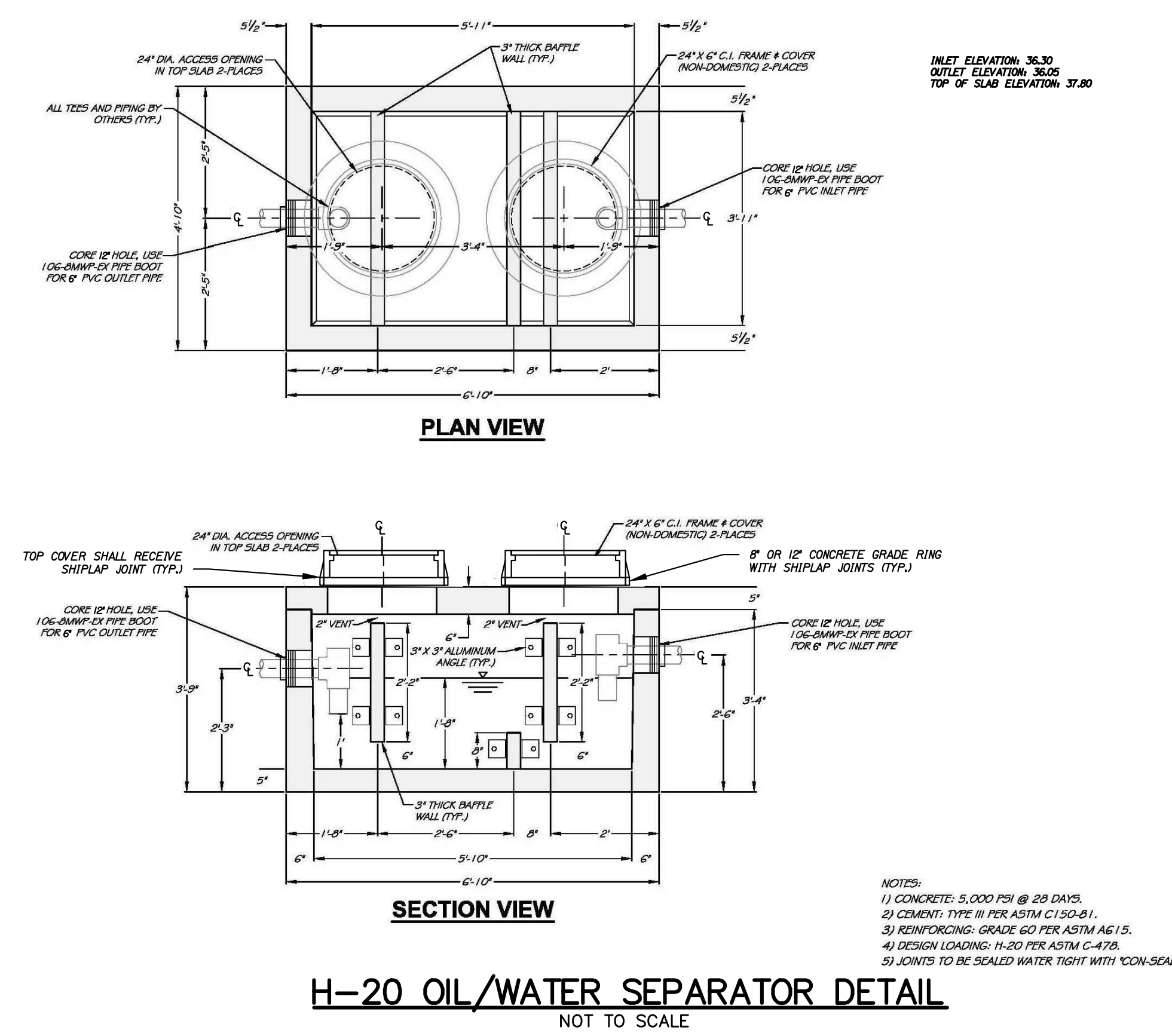
THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Brian A. Taddeo, P.E.

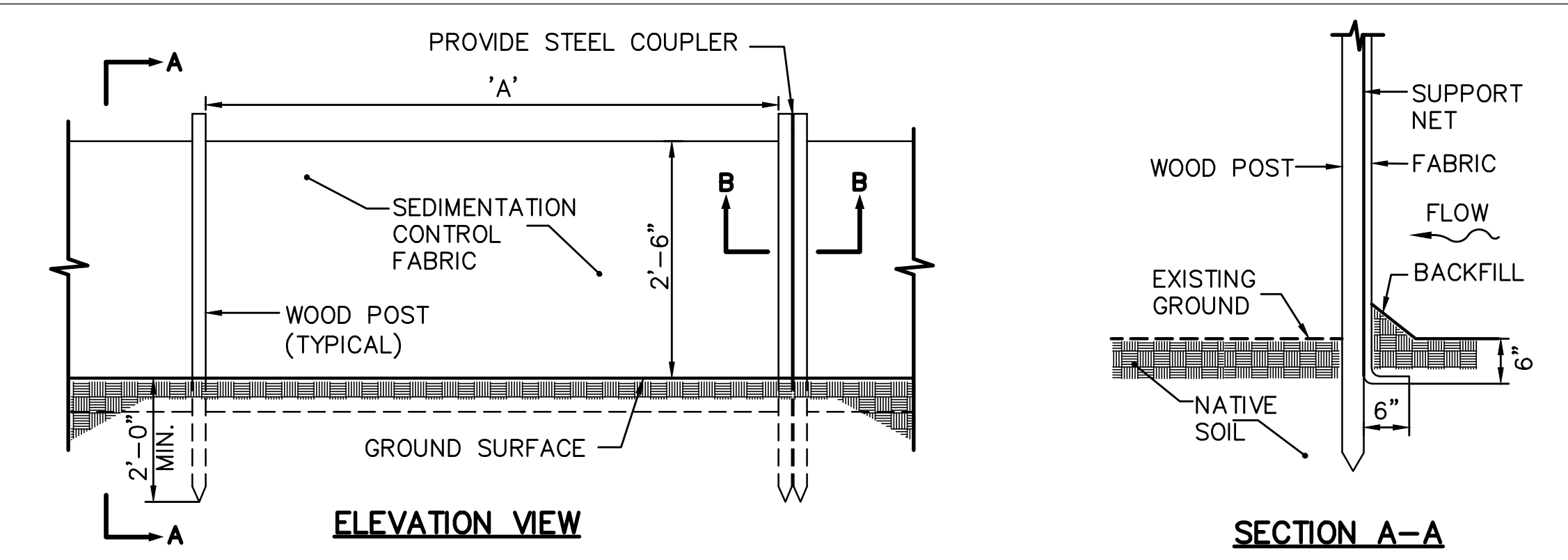
CONTRACT 2023.06
YORK VEHICLE STORAGE GARAGE
DETAILS - 2

SHEET NUMBER: C-402

CONTRACT: 2023.06 8 OF 33

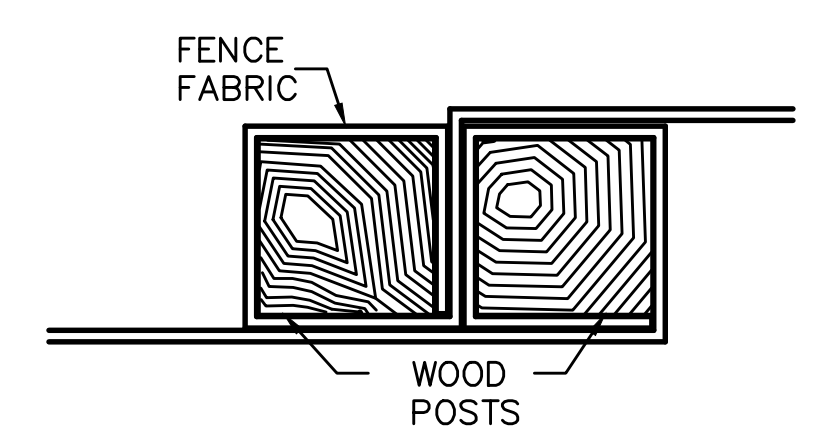


H-20 OIL/WATER SEPARATOR DETAIL
NOT TO SCALE

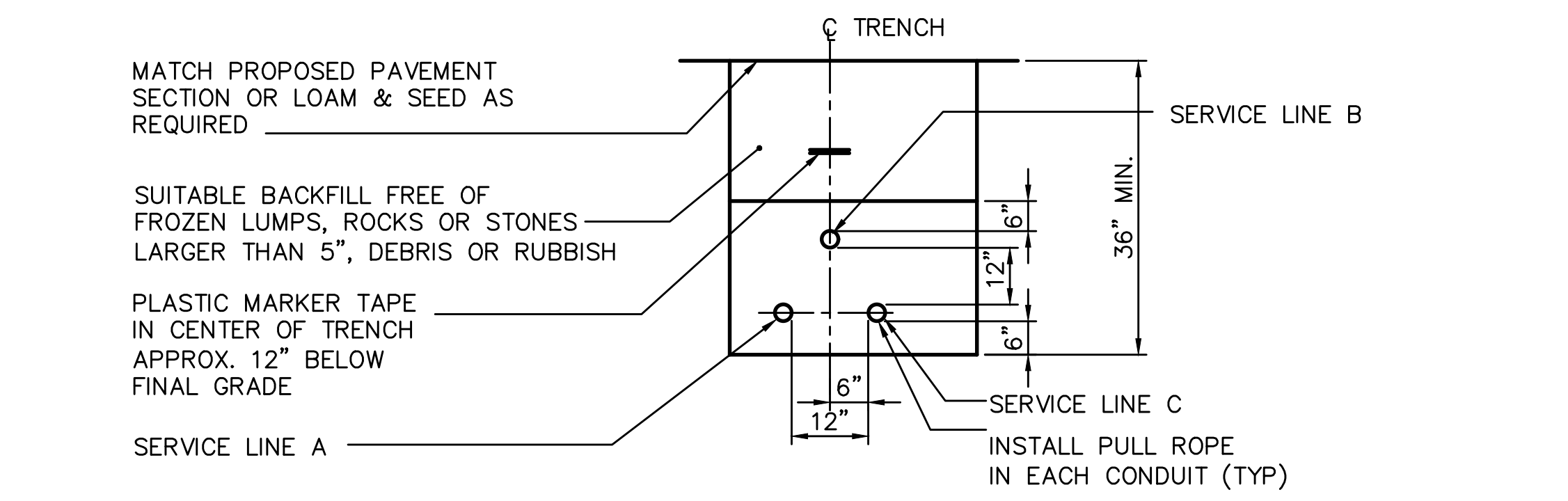


SILT FENCE	
SILT FENCE REINFORCEMENT	MAXIMUM SPACING "A"
NONE	6"
WIRE REINFORCEMENT 14 GAUGE, 6" MESH	10'

SILTATION FENCE DETAIL
NOT TO SCALE



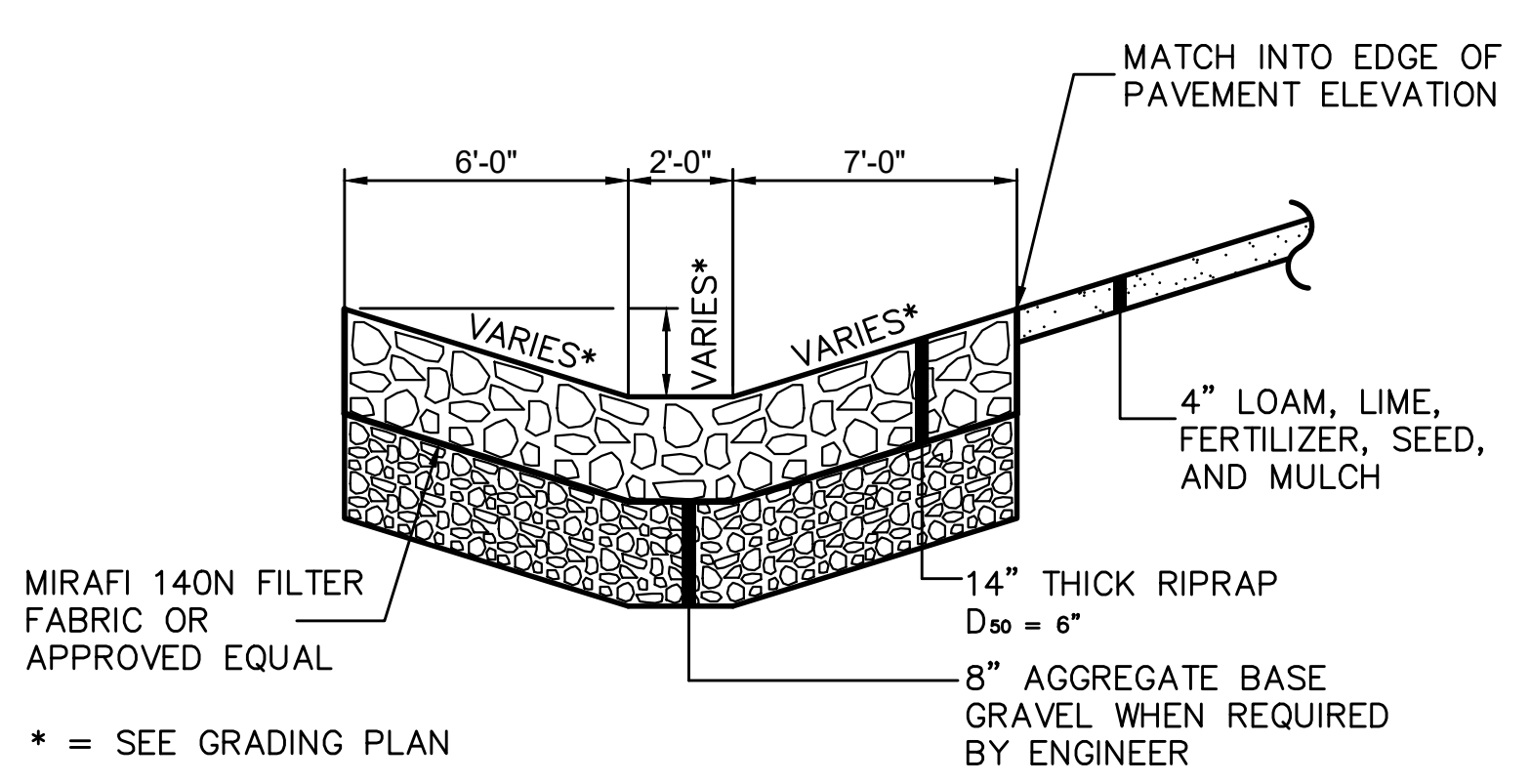
SECTION B-B



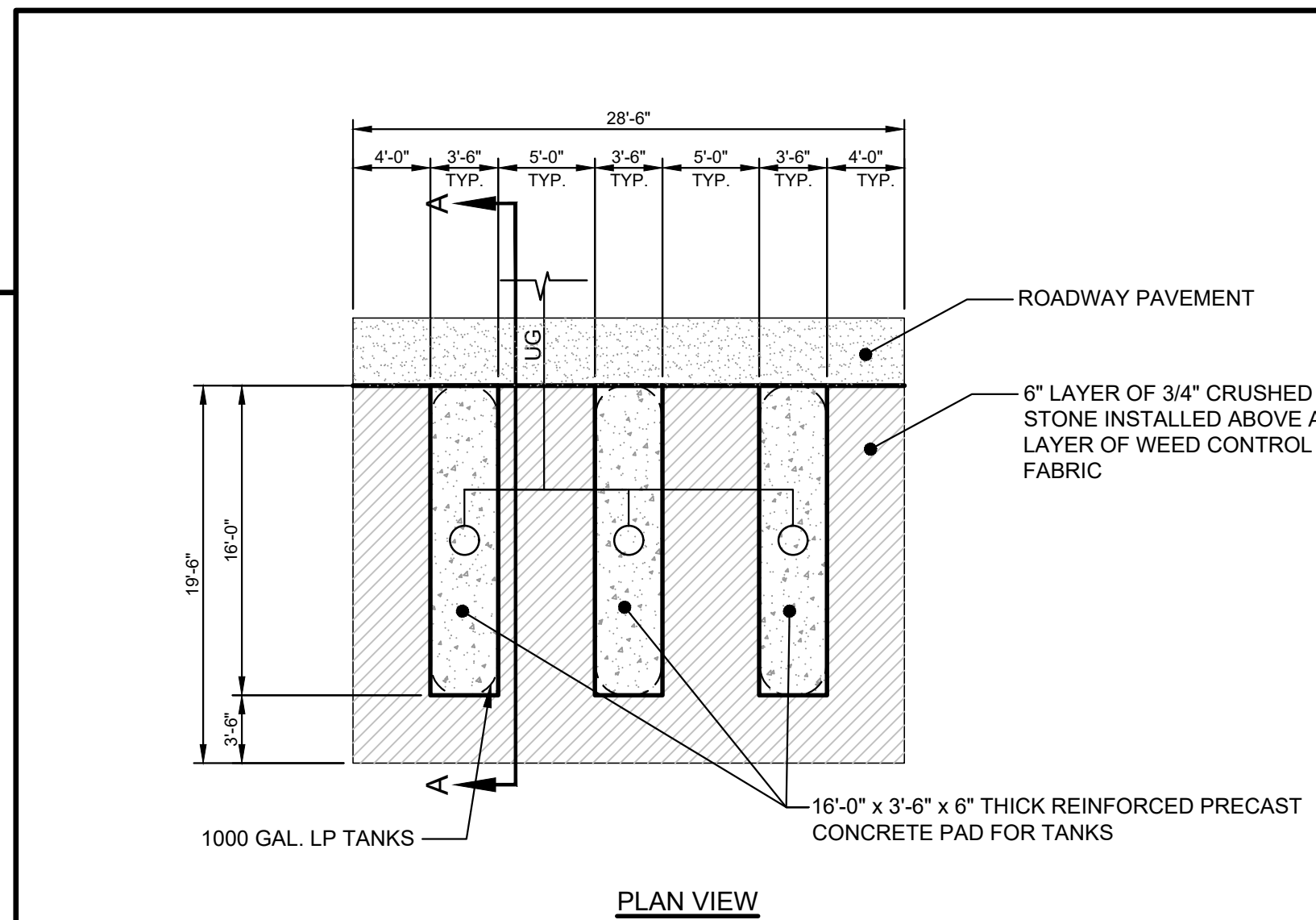
CONDUIT TYPE SCHEDULE				
SERVICE	CONDUIT SIZE	GRASS & PAVED AREAS	UTILITY	REMARKS
A	2-4"	SCHEDULE 80 PVC ELECTRICAL GRADE	PRIMARY POWER	SEE NOTE
B	2-4"	SCHEDULE 80	TELEPHONE/DATA	SEE NOTE
C	1-1 1/2"	SCHEDULE 80	SPARE	SEE NOTE

NOTE:
ONE CONDUIT CAPPED FOR SPARE, PROVIDE GALVANIZED STEEL LONG SWEEP AT RISER POLE AND EXTEND GALVANIZED CONDUIT TO 10 FT ABOVE GRADE AT POLE WITH STAND-OFF BRACKETS.

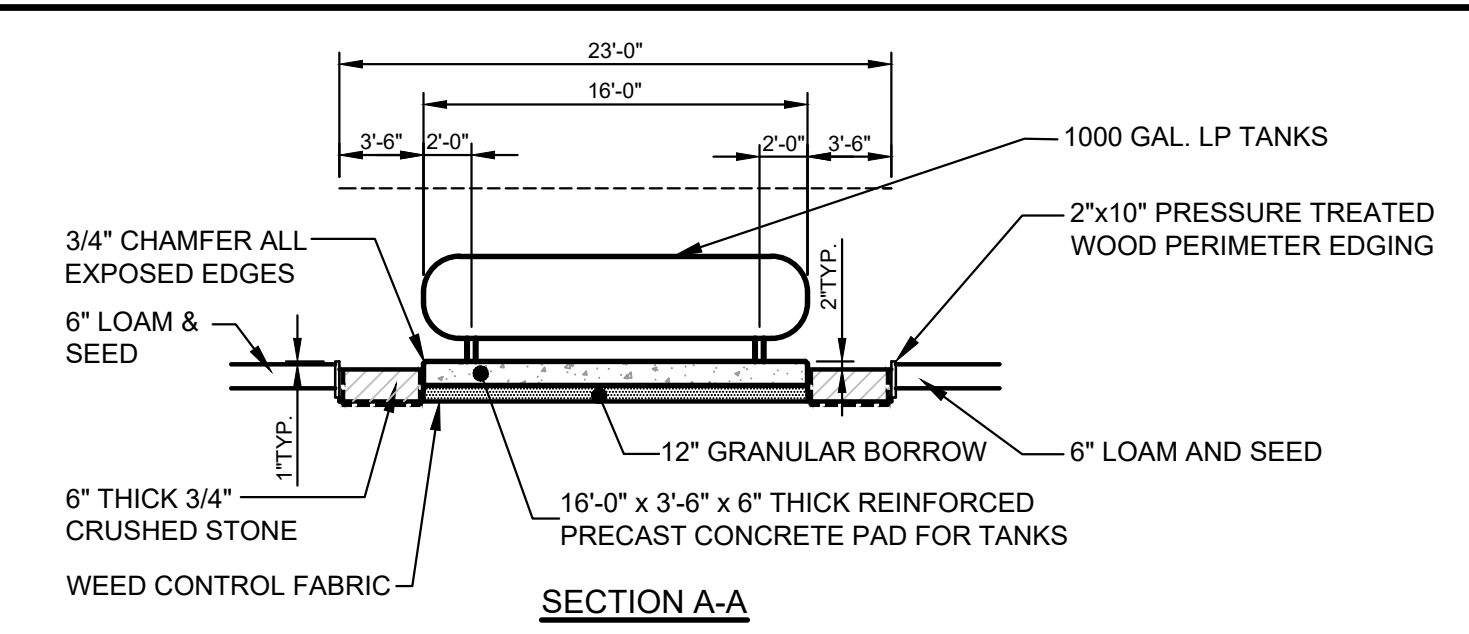
UTILITY TRENCH - PRIMARY AND SECONDARY POWER, TELEPHONE, AND CABLE
NOT TO SCALE



RIP RAP SWALE
NOT TO SCALE



ABOVE GROUND PROPANE GAS TANK FARM
NOT TO SCALE



SECTION A-A

Scale: N/A

No.	Revision	By	Date

Designed by: ALTON M. PALMER, P.E.

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Designed:	By	Date	Checked:	By	Date
AMP	CEH	03/28/23	AMP	CEH	03/28/23

PROJ. NO.: 3660 CAD FILE: 3660-DETAILS.dwg

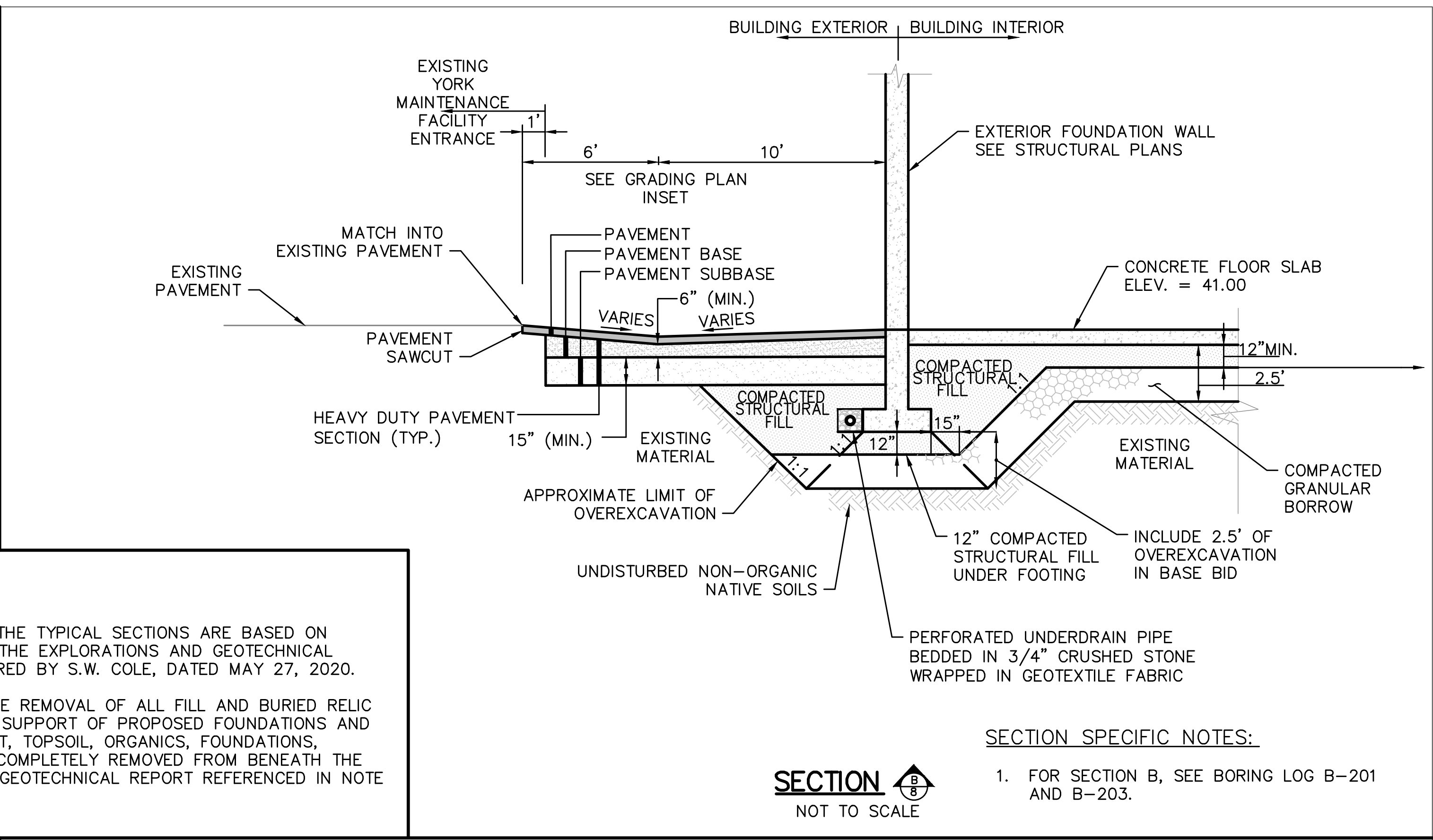
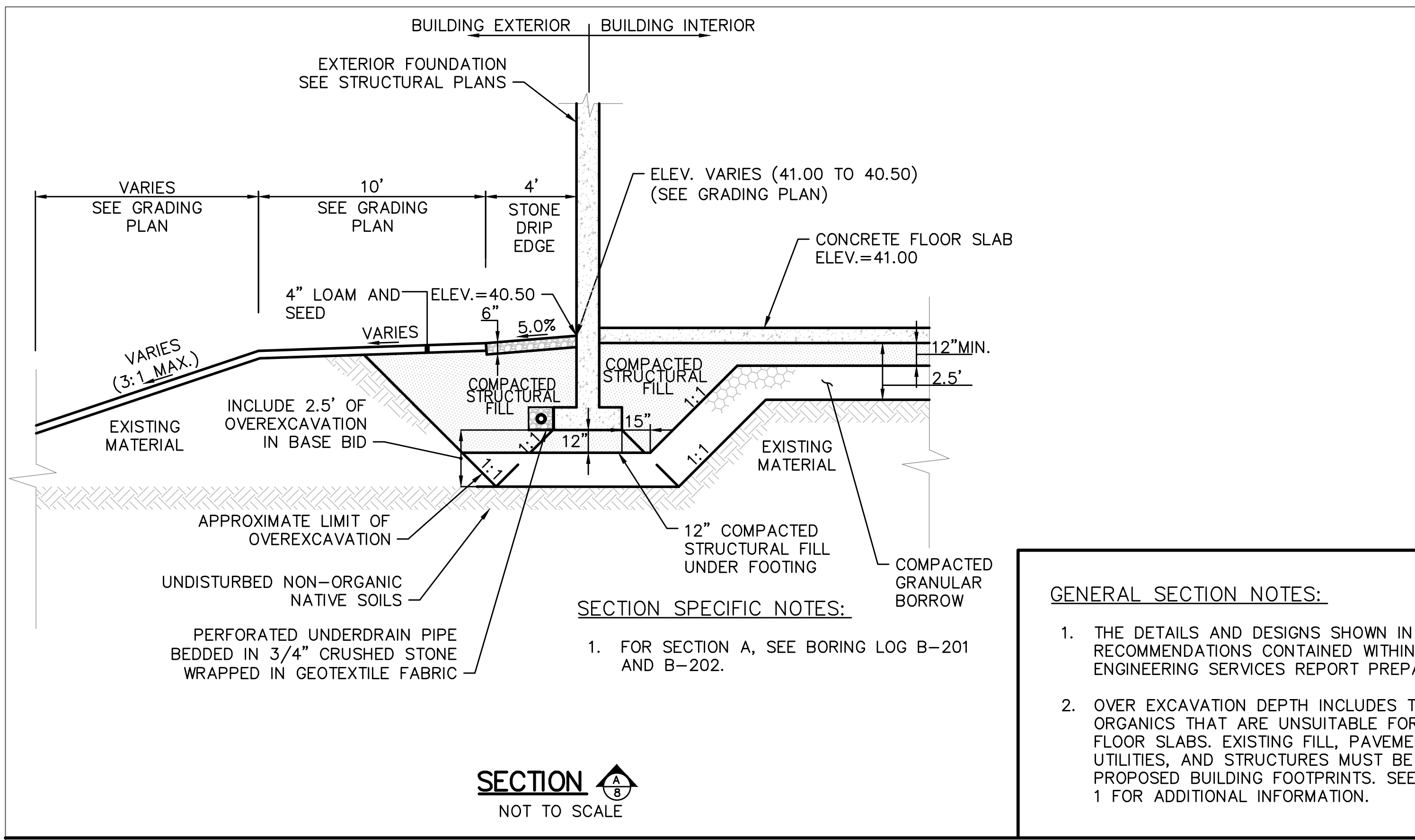
THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Brian A. Taddeo, P.E.

CONTRACT 2023.06
YORK VEHICLE STORAGE GARAGE
DETAILS - 3

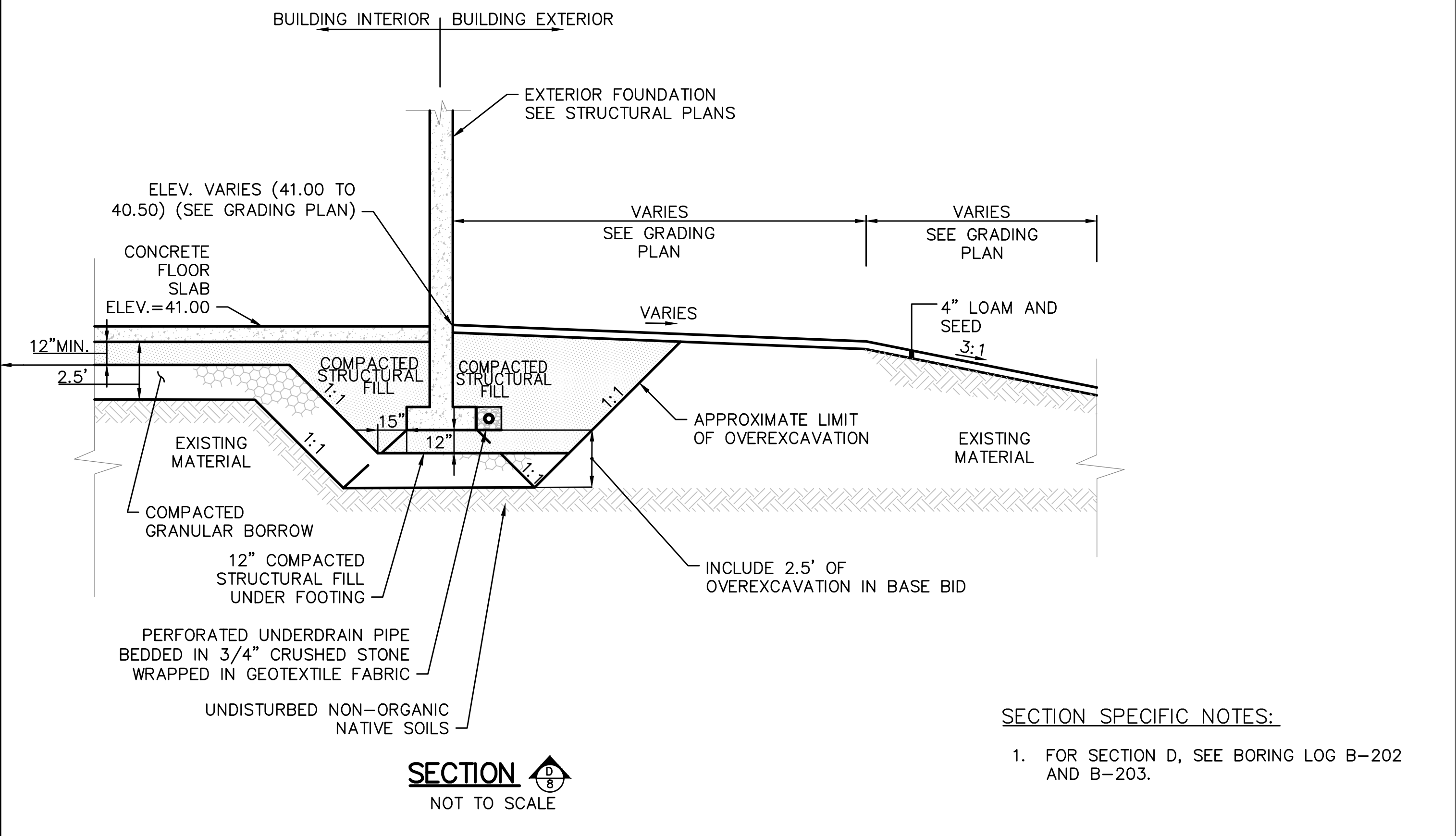
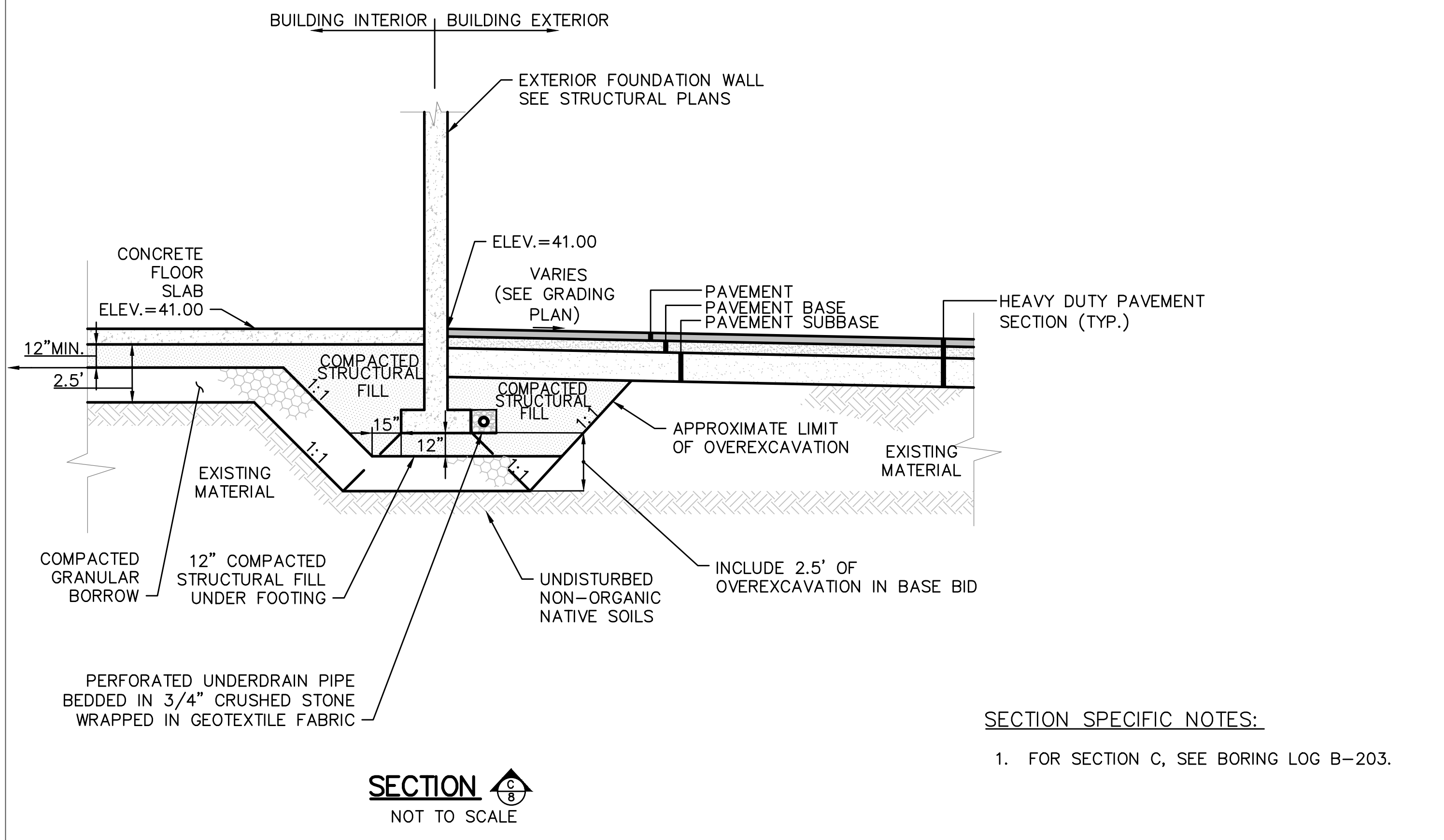
SHEET NUMBER: C-403

CONTRACT: 2023.06 9 OF 33



GENERAL SECTION NOTES:

- THE DETAILS AND DESIGNS SHOWN IN THE TYPICAL SECTIONS ARE BASED ON RECOMMENDATIONS CONTAINED WITHIN THE EXPLORATIONS AND GEOTECHNICAL ENGINEERING SERVICES REPORT PREPARED BY S.W. COLE, DATED MAY 27, 2020.
- OVER EXCAVATION DEPTH INCLUDES THE REMOVAL OF ALL FILL AND BURIED RELIC ORGANICS THAT ARE UNSUITABLE FOR SUPPORT OF PROPOSED FOUNDATIONS AND FLOOR SLABS. EXISTING FILL, PAVEMENT, TOPSOIL, ORGANICS, FOUNDATIONS, UTILITIES, AND STRUCTURES MUST BE COMPLETELY REMOVED FROM BENEATH THE PROPOSED BUILDING FOOTPRINTS. SEE GEOTECHNICAL REPORT REFERENCED IN NOTE 1 FOR ADDITIONAL INFORMATION.



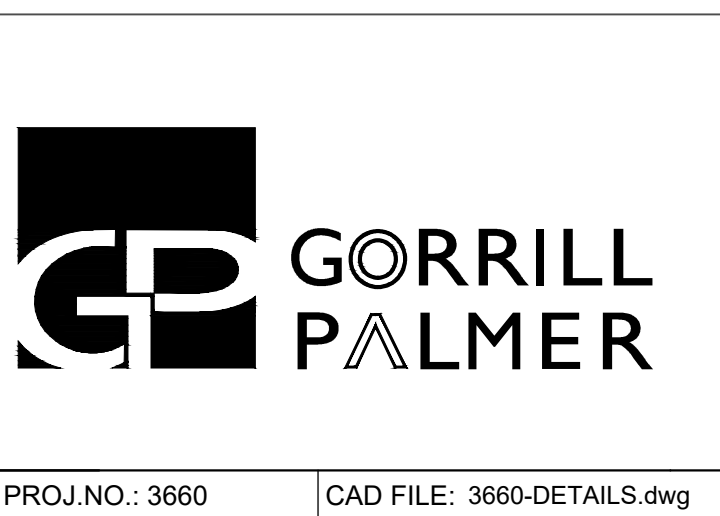
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No.	Revision	By	Date

Designed by:
ALTON M. PALMER, P.E.

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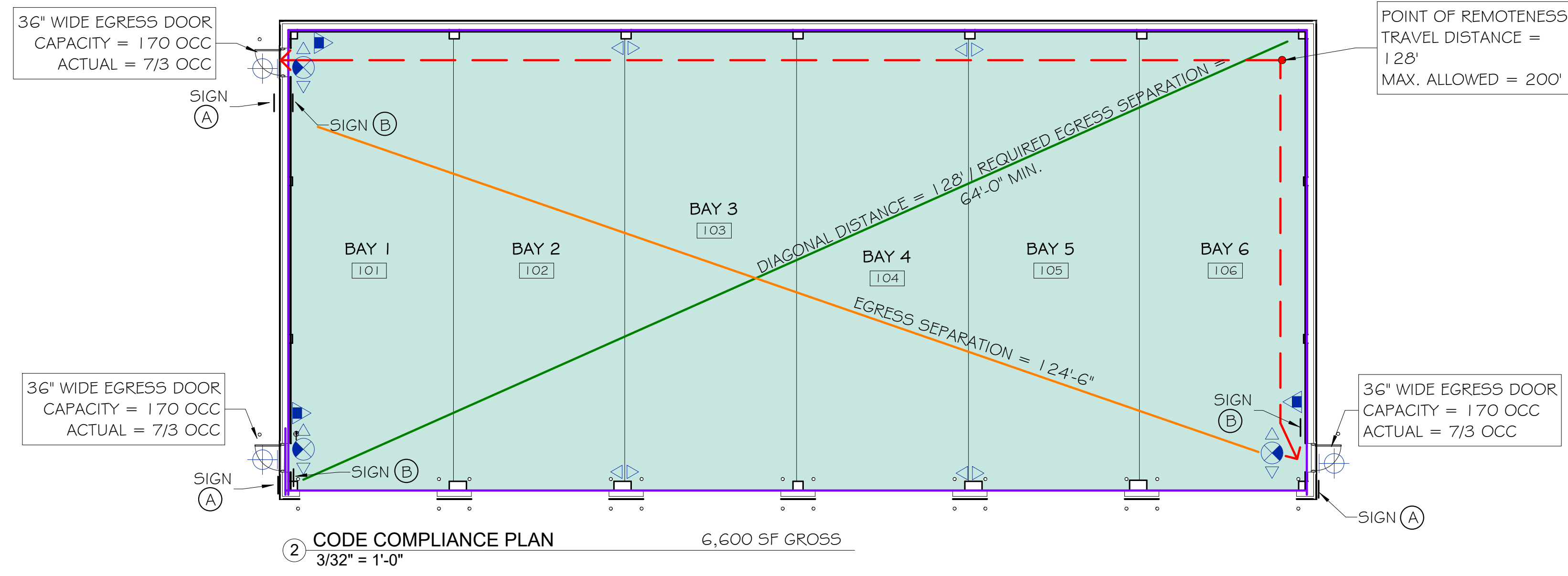


CONTRACT 2023.06
YORK VEHICLE STORAGE GARAGE
TYPICAL SECTIONS

SHEET NUMBER: C-404

CONTRACT: 2023.06

10 OF 33



EGRESS SYMBOLS LEGEND

	DIAGONAL DISTANCE
	EGRESS SEPARATION
	EGRESS PATH

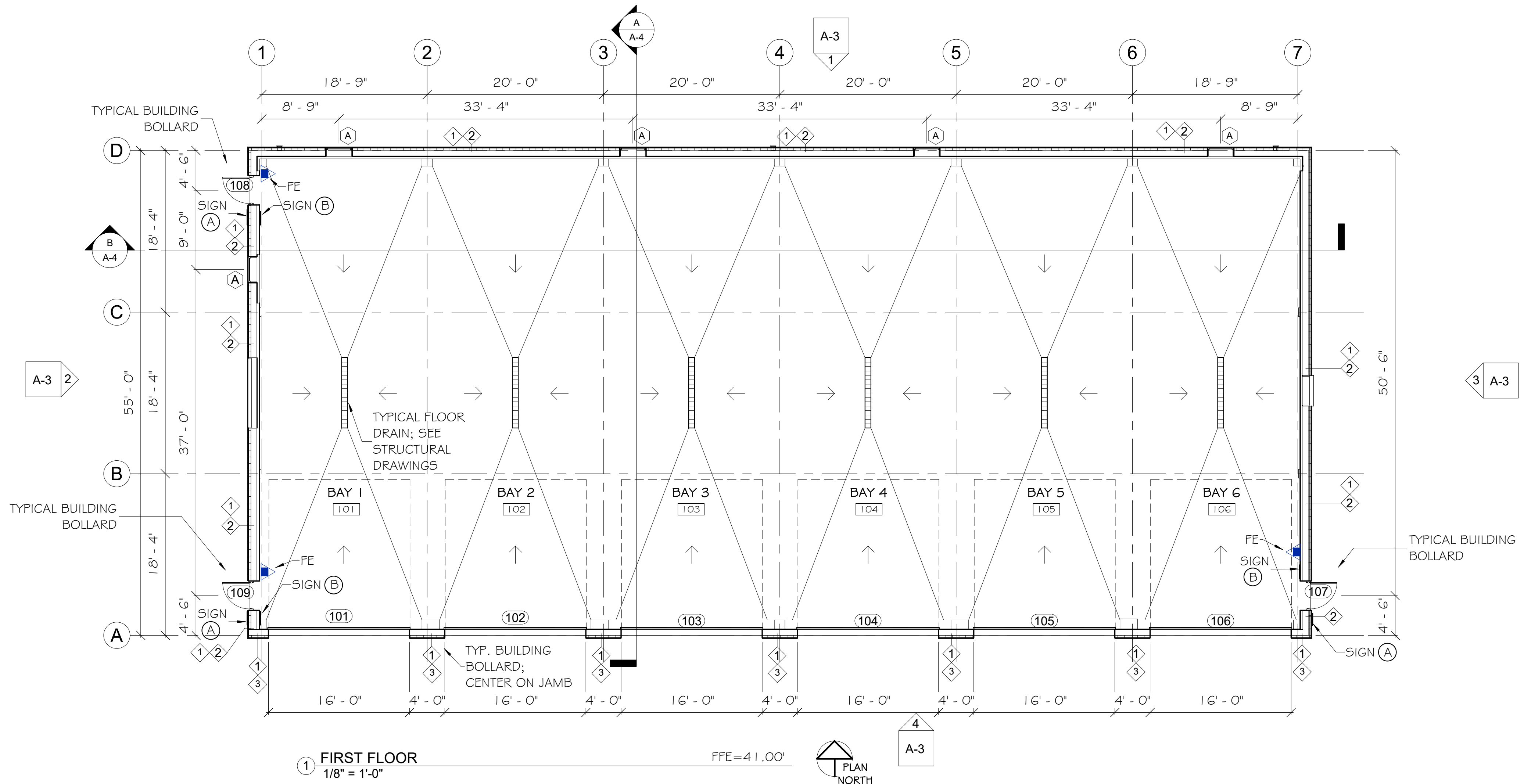
NFPA LEGEND

SYMBOL	DESCRIPTION
	EXIT LIGHT
	ABC FIRE EXTINGUISHER w/ BRACKET
	EMERGENCY LIGHT
	EMERGENCY / EXIT LIGHT
	EXTERIOR EMERGENCY LIGHT

OCCUPANT LOADS

IBC 2018	14
NFPA 2021	6 (MP)

- NOTES**
- SEE SHEET A-8 FOR ACCESSIBILITY DETAILS & NOTES.
 - SEE SHEET A-8 FOR ADA SIGNAGE.
 - SEE SHEET A-8 ACCESSIBILITY DETAILS AND NOTES FOR MOUNTING HEIGHTS OF LIFE SAFETY DEVICES.



WALL TYPES

Scale: As indicated

No.	Revision	By	Date

Designed by: MICHAEL F. HAYS, RA
ISSUED FOR BID - NOT FOR CONSTRUCTION

By	Date	By	Date
Designed: MFH	03/28/23	Checked: MFH	03/28/23
Drawn: MGK	03/28/23		

GRANT HAYS ASSOCIATES
ARCHITECTURE & INTERIOR DESIGN
P.O. BOX 6179 FALMOUTH MAINE 04105
207.871.5900 www.granthays.com

AEI PROJ. NO.: 20020 CAD FILE:

MAINE TURNPIKE

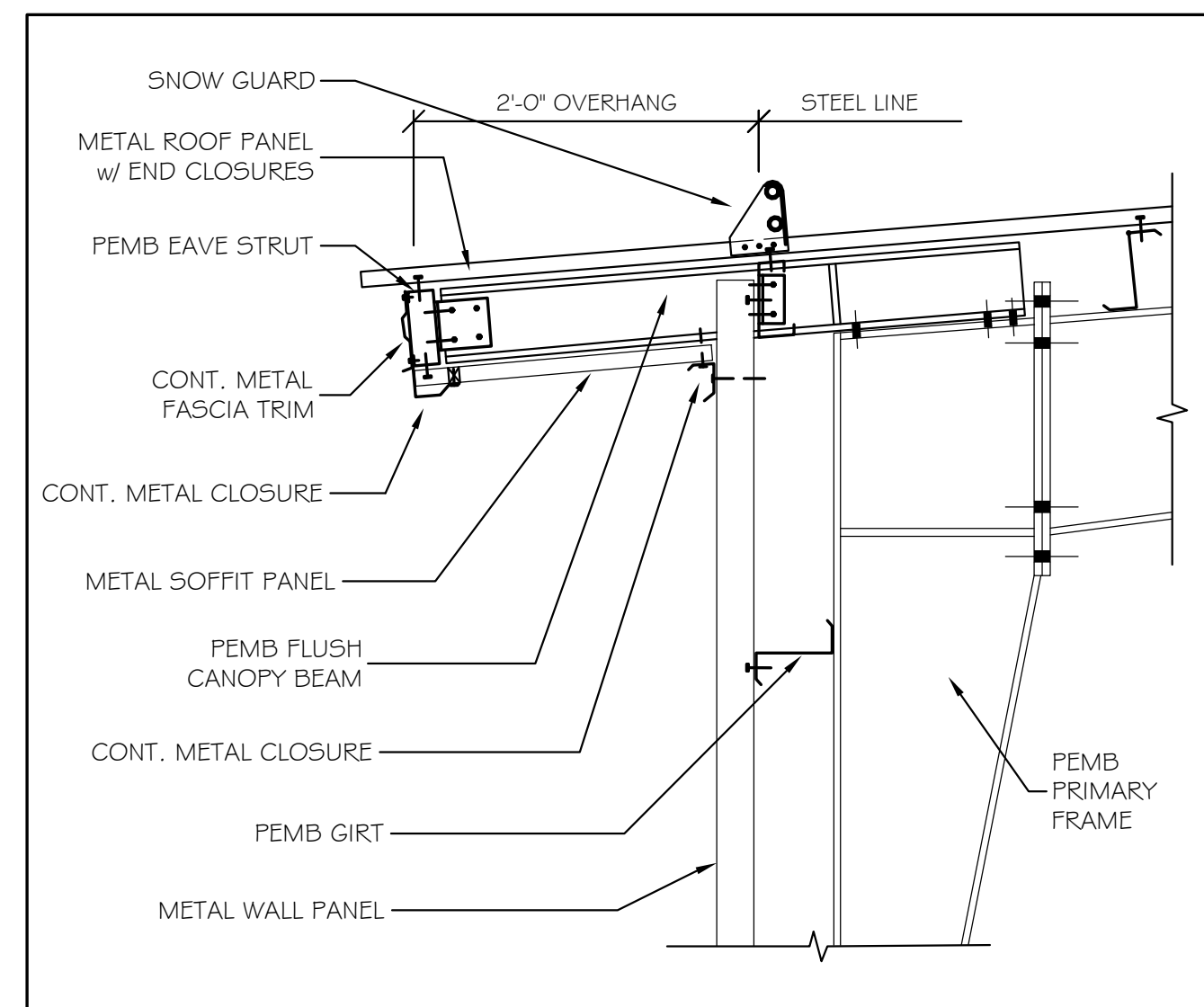
THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Brian A. Taddeo, P.E.

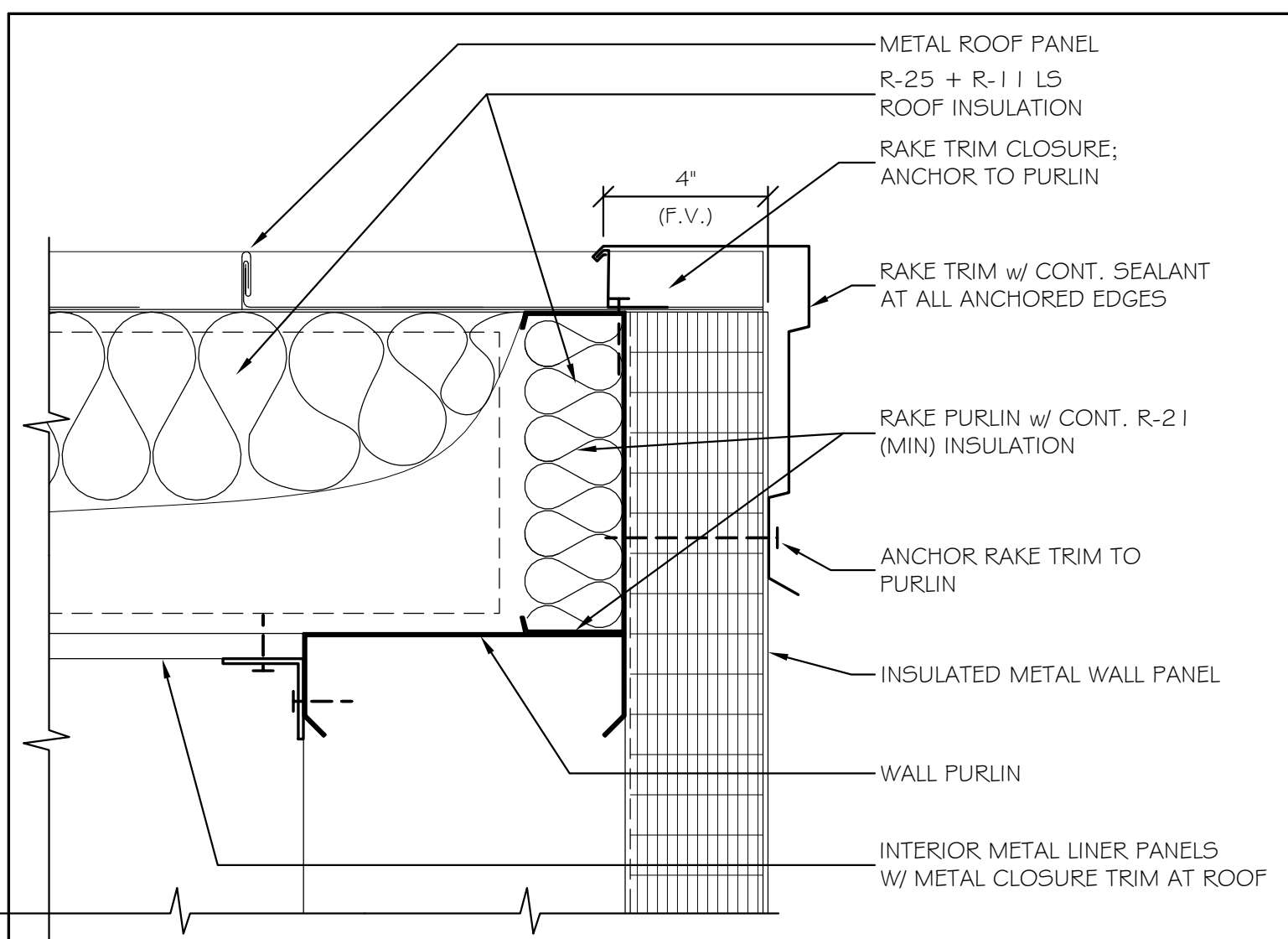
CONTRACT 2023.06
YORK VEHICLE STORAGE GARAGE
CODE COMPLIANCE & FIRST FLOOR PLANS

SHEET NUMBER: A-1

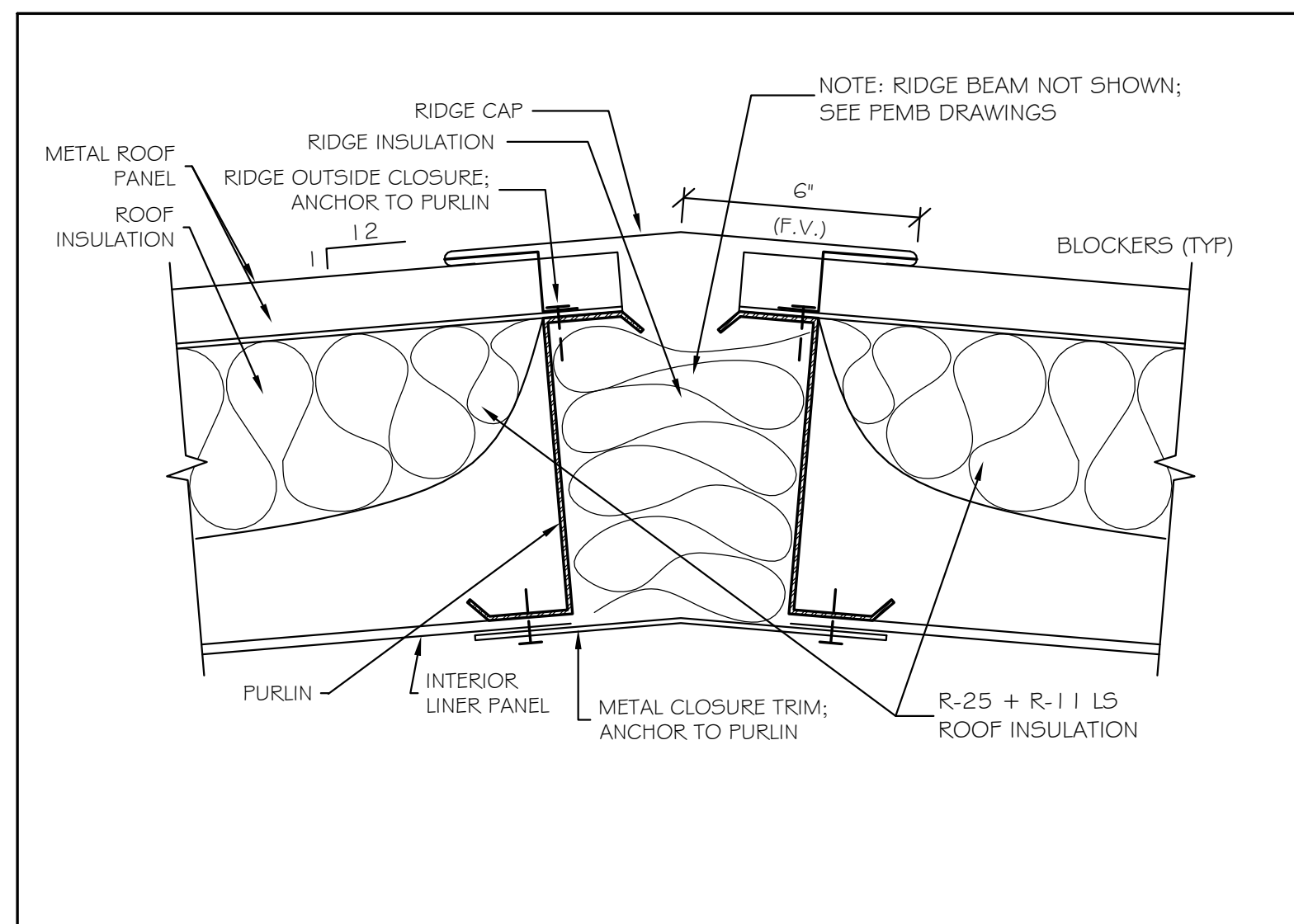
CONTRACT: 2023.06 12 OF 33



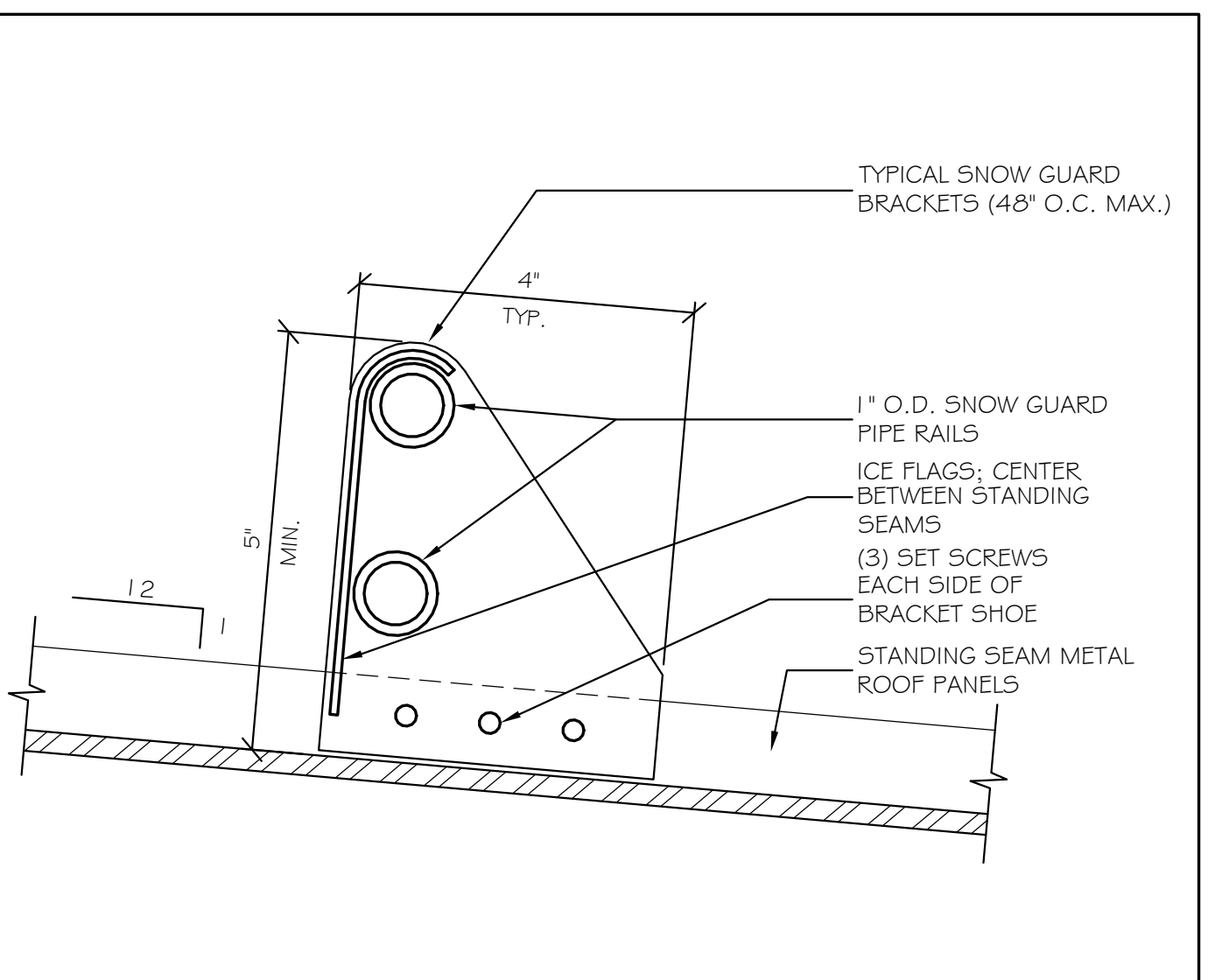
② OVERHANG DETAIL 1" = 1'-0"



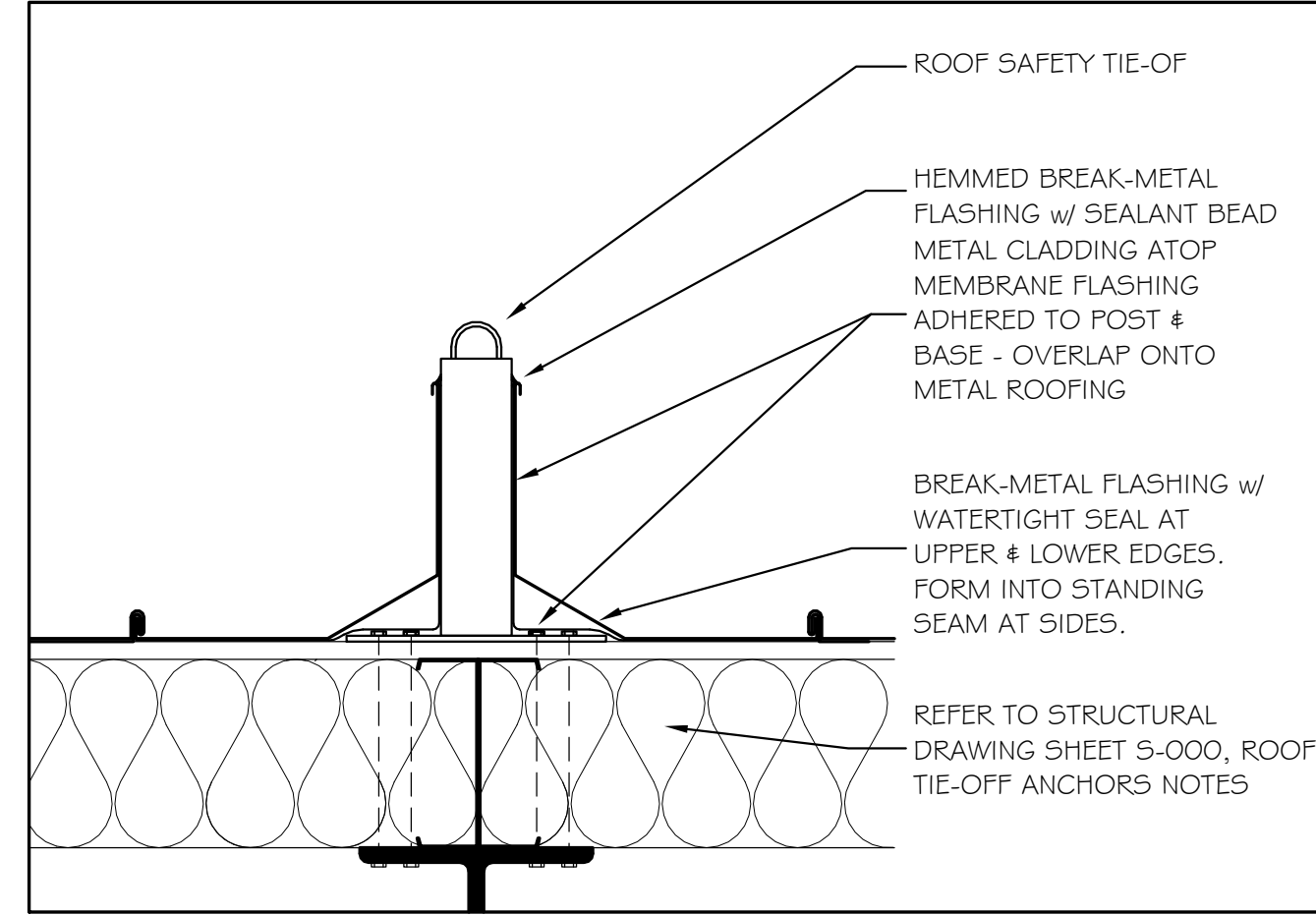
③ RAKE DETAIL 3" = 1'-0"



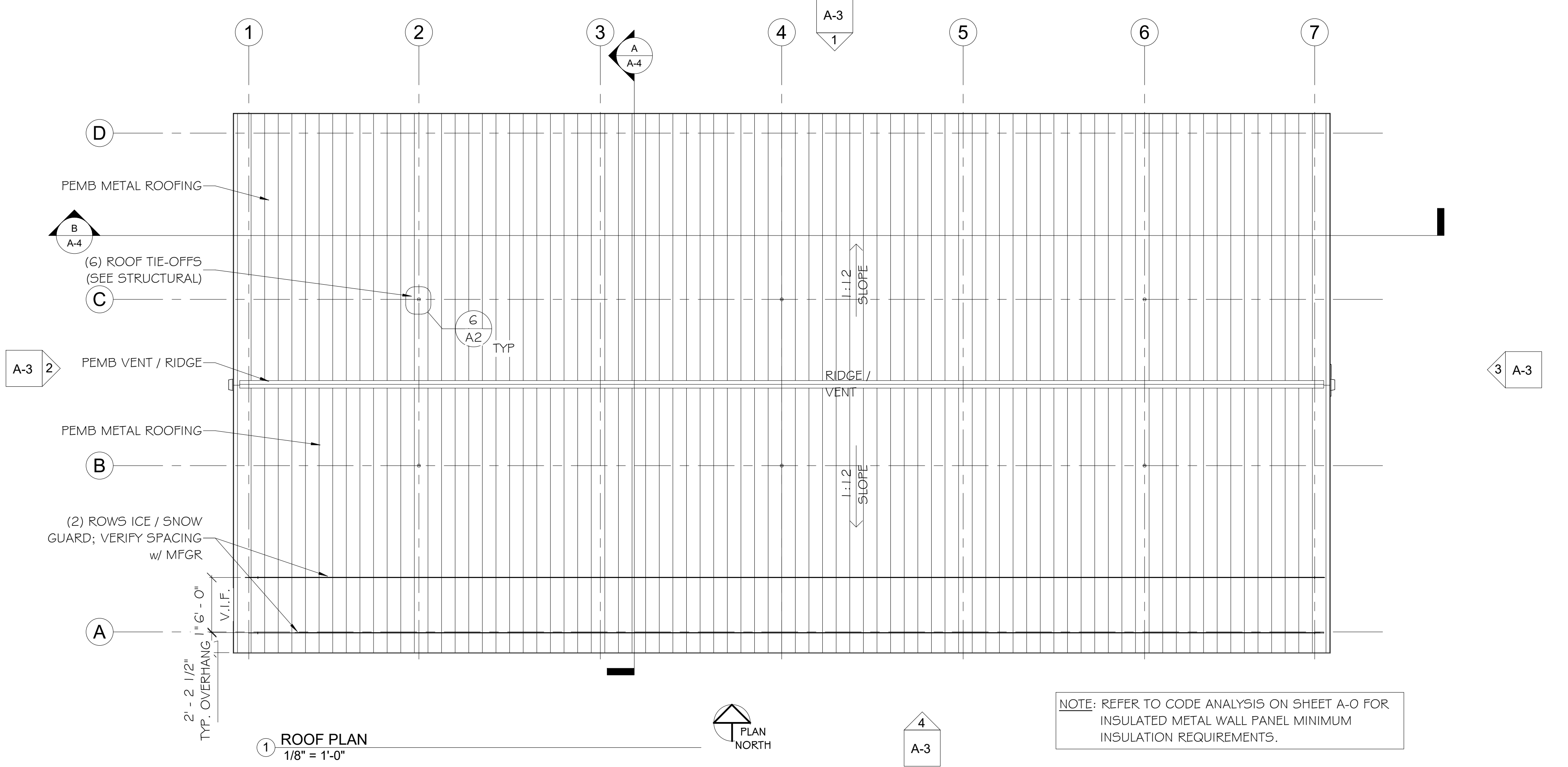
④ RIDGE DETAIL 3" = 1'-0"



⑤ ICE / SNOW GUARD DETAIL HALF SIZE



⑤ FLASHING AT ROOF SAFETY TIE-OFF 1/2" = 1'-0"



① ROOF PLAN 1/8" = 1'-0"

NOTE: REFER TO CODE ANALYSIS ON SHEET A-0 FOR INSULATED METAL WALL PANEL MINIMUM INSULATION REQUIREMENTS.

Scale: As indicated

No.	Revision	By	Date

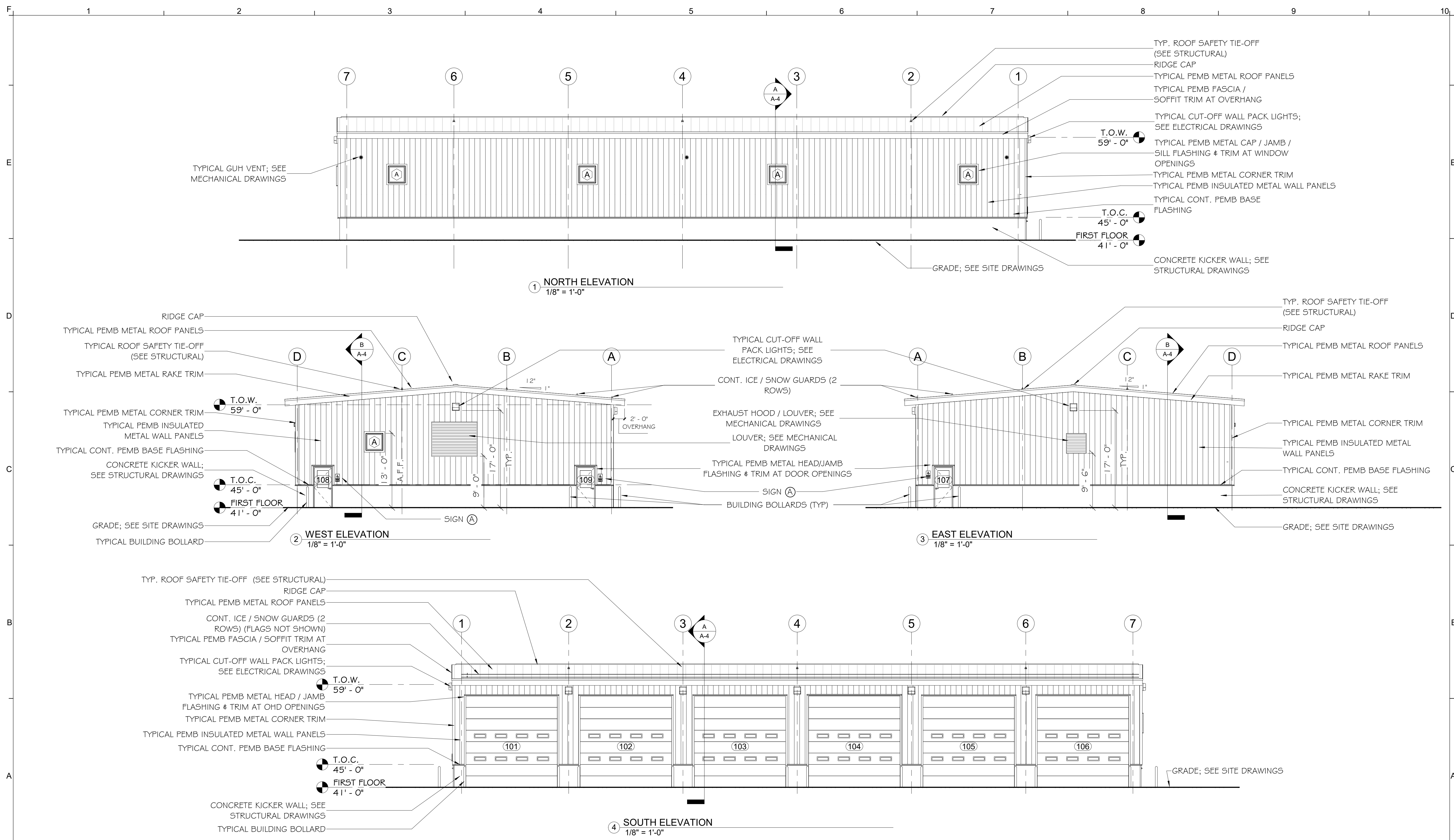
Designed by: MICHAEL F. HAYS, RA
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By	Date	By	Date
Designed: MFH	03/28/23	Checked: MFH	03/28/23
Drawn: MGK	03/28/23		

GRANT HAYS ASSOCIATES
ARCHITECTURE & INTERIOR DESIGN
P.O. BOX 6179 FALMOUTH MAINE 04105
207.871.5900 www.granthays.com

MAINE TURNPIKE
THE GOLD STAR MEMORIAL HIGHWAY
MTA PROJECT MANAGER: Brian A. Taddeo, P.E.

CONTRACT 2023.06
YORK VEHICLE STORAGE GARAGE
ROOF PLAN & DETAILS
SHEET NUMBER: A-2
CONTRACT: 2023.06
13 OF 33



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

No.	Revision	By	Date

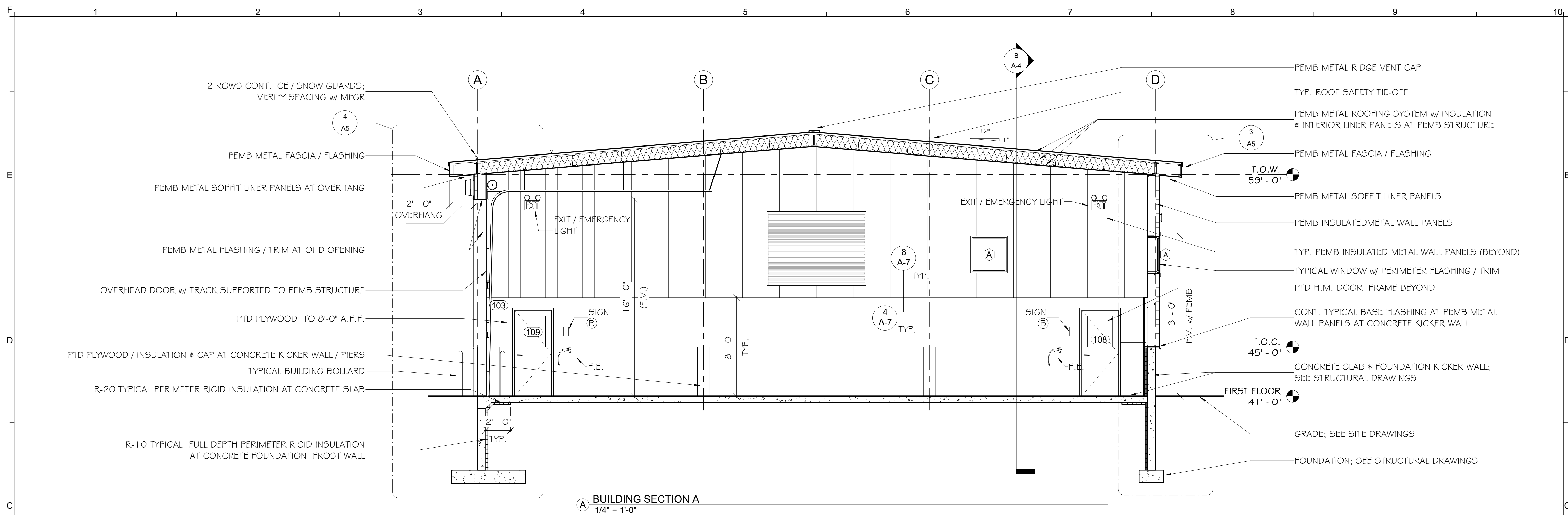
Designed by:
MICHAEL F. HAYS, RA
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By	Date	By	Date
MFH	03/28/23	MFH	03/28/23
MGK	03/28/23		

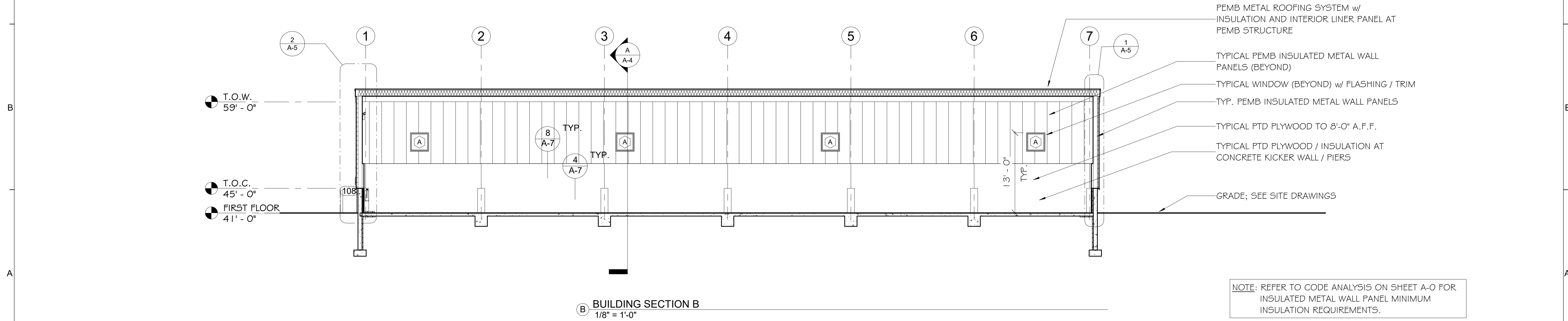
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MAINE TURNPIKE
THE GOLD STAR MEMORIAL HIGHWAY
MTA PROJECT MANAGER: Brian A. Taddeo, P.E.

CONTRACT 2023.06
YORK VEHICLE STORAGE GARAGE ELEVATIONS
SHEET NUMBER: A-3
CONTRACT: 2023.06
14 OF 33



A BUILDING SECTION A
1/4" = 1'-0"



B BUILDING SECTION B
1/8" = 1'-0"

NOTE: REFER TO CODE ANALYSIS ON SHEET A-0 FOR INSULATED METAL WALL PANEL MINIMUM INSULATION REQUIREMENTS.

Scale: As indicated

No.	Revision	By	Date

Designed by:
MICHAEL F. HAYS, RA
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By	Date	By	Date
Designed: MFH	03/28/23	Checked: MFH	03/28/23
Drawn: MGK	03/28/23		

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THE GOLD STAR MEMORIAL HIGHWAY

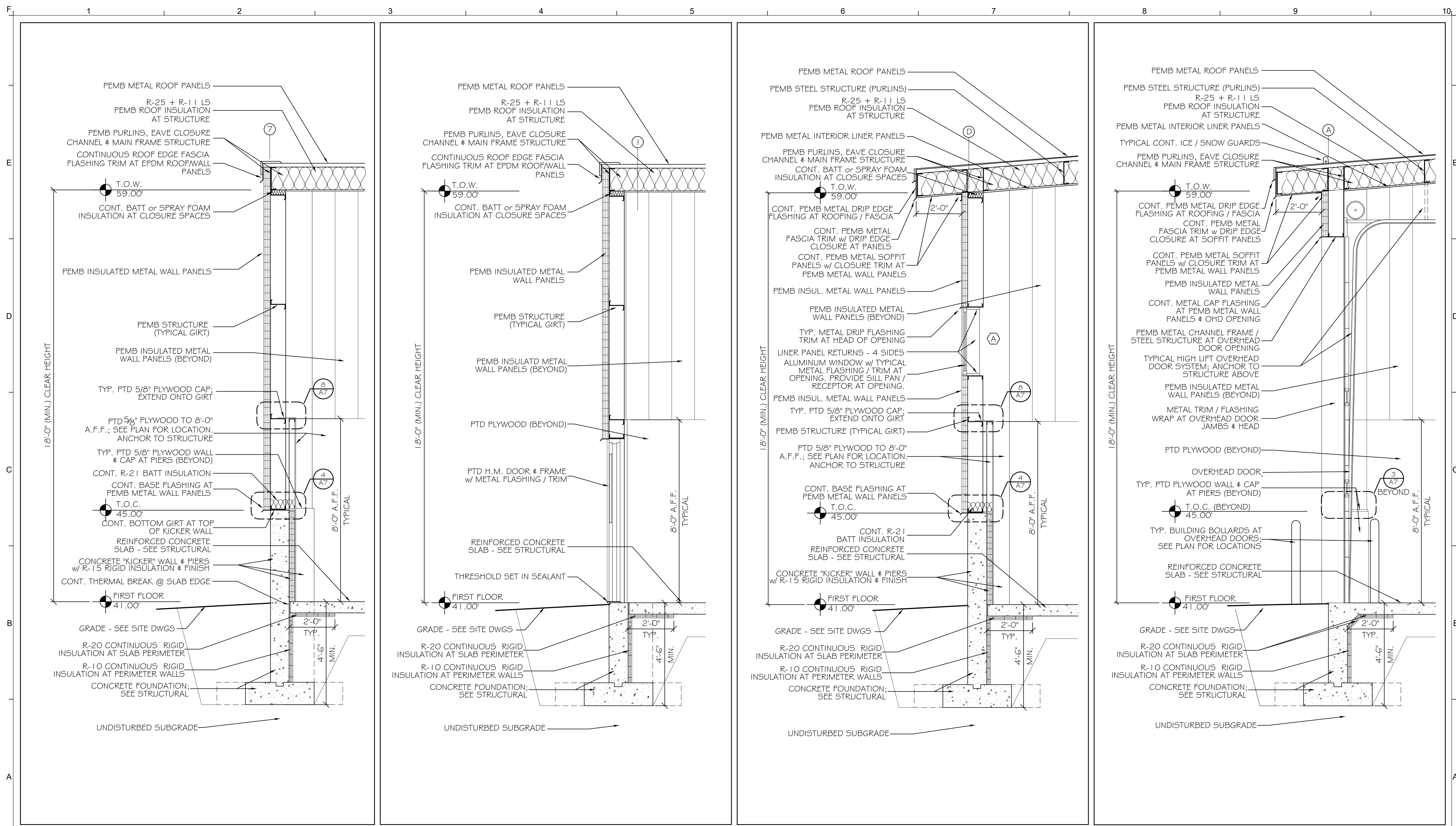
MTA PROJECT MANAGER: Brian A. Taddeo, P.E.

CONTRACT 2023.06
YORK VEHICLE STORAGE GARAGE
BUILDING SECTIONS

SHEET NUMBER: A-4

CONTRACT: 2023.06

15 OF 33



① TYPICAL WALL SECTION 1/2" = 1'-0" ② TYP. WALL SECTION AT H.M. DOOR 1/2" = 1'-0" ③ TYP. WALL SECTION AT WINDOW 1/2" = 1'-0" ④ TYP. WALL SECTION AT OVERHEAD DOOR 1/2" = 1'-0"

Scale: As indicated

No.	Revision	By	Date

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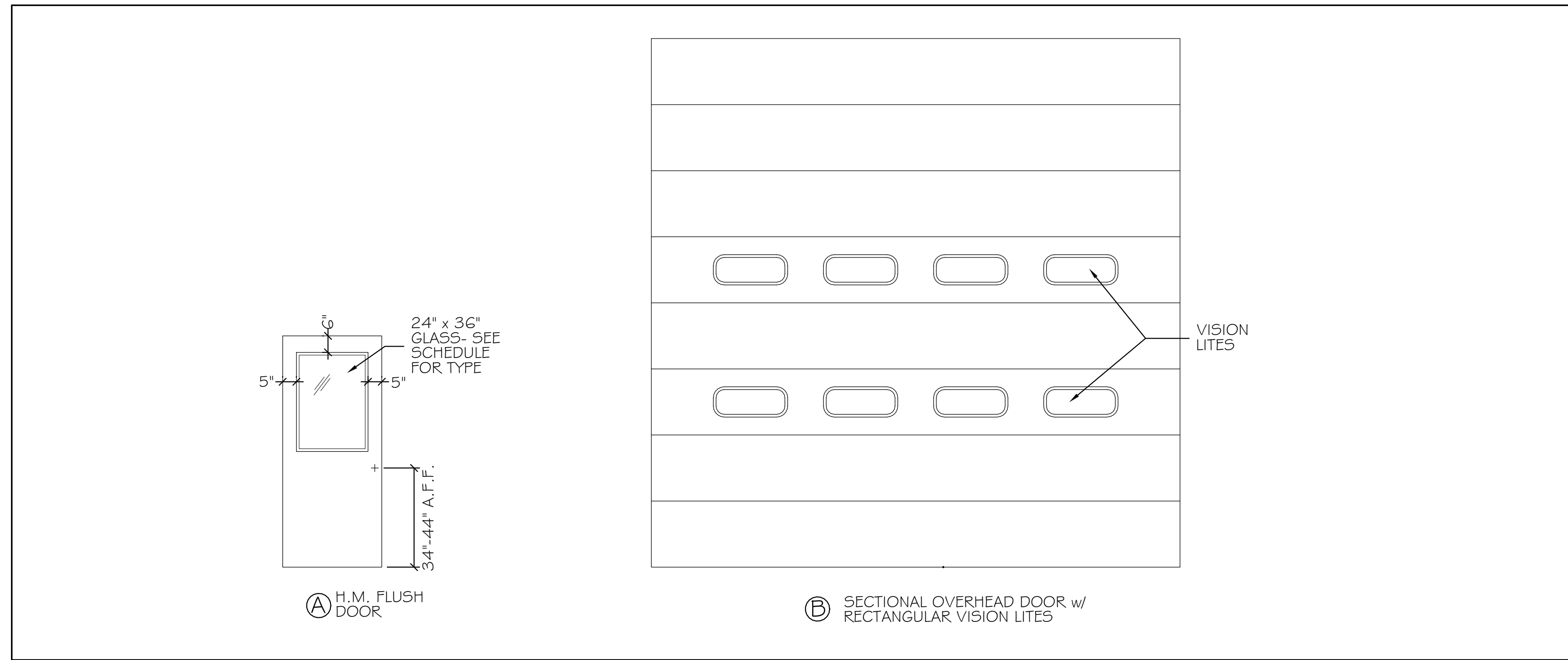
By	Date	By	Date
Designed: MFH	03/28/23	Checked: MFH	03/28/23
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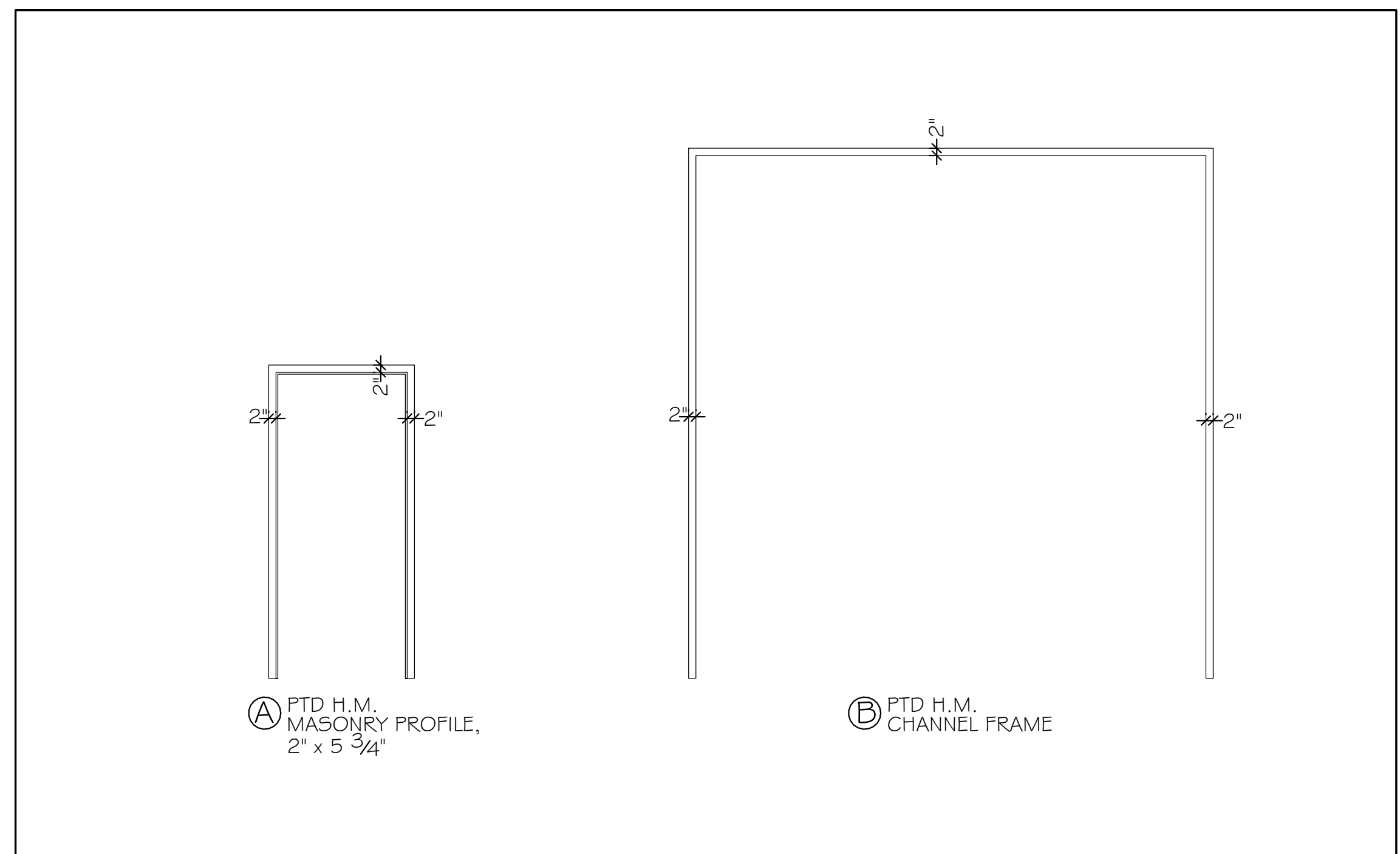
MAINE TURNPIKE
 THE GOLD STAR MEMORIAL HIGHWAY
 MTA PROJECT MANAGER: Brian A. Taddeo, P.E.

CONTRACT 2023.06
 YORK VEHICLE STORAGE GARAGE
 WALL SECTIONS

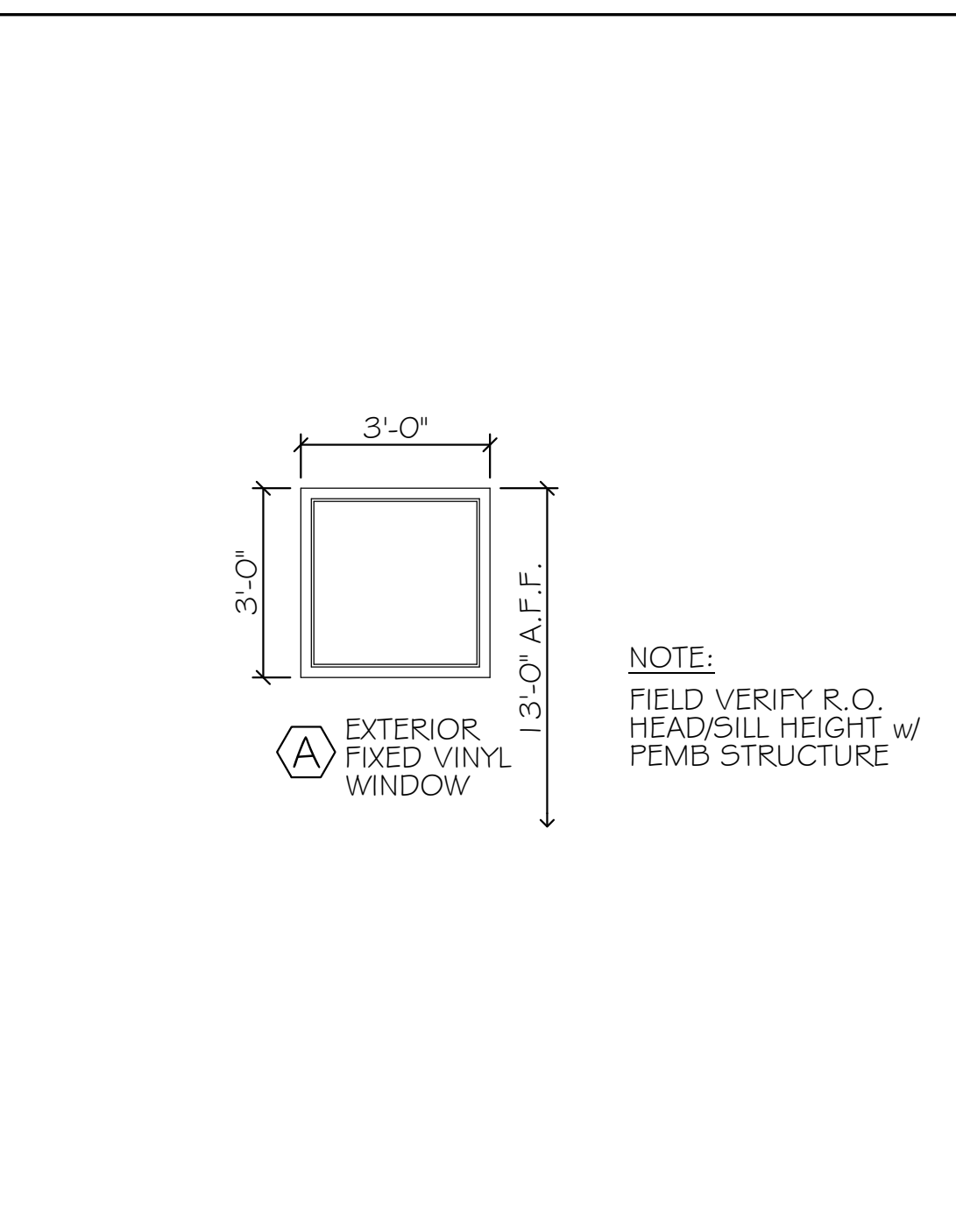
SHEET NUMBER: A-5
 CONTRACT: 2023.06
 16 OF 33



DOOR TYPES 3/8" = 1'-0"



FRAME TYPES 3/8" = 1'-0"



WINDOW TYPE 3/8" = 1'-0"

DOOR SCHEDULE

ABBREVIATIONS

ALUM	AL	ALUMINUM	MAS	MASONRY
DW		DRYWALL	MFGR	MANUFACTURER
ES		EDGE STRIP	OCD	OVERHEAD COILING DOOR
EMHO		ELECTRO MAGNETIC HOLD OPENER	OHD	OVERHEAD DOOR
GL		GLASS	T	TEMPERED
HM		HOLLOW METAL	T-BREAK	THERMAL BREAK
INSUL		INSULATED	TH	THERMAL INSULATED
			TS	TRANSITION STRIP

NO.	TYPE	SIZE (w x h)	THK	INSUL	HDWE	FR	GLASS		REMARKS	FRAMES				THRESHOLDS		
							TYPE	SIZE		TYPE	FR	PROFILE	DETAILS HEAD	DETAILS JAMB	MATERIAL	DETAILS SILL
101	B	16x16' OHD	MFGR	YES	MFGR	---	MFGR	MFGR		B	---	MAS	5-A7	6-A7	---	7-A7
102	B	16x16' OHD	MFGR	YES	MFGR	---	MFGR	MFGR		B	---	MAS	5-A7	6-A7	---	7-A7
103	B	16x16' OHD	MFGR	YES	MFGR	---	MFGR	MFGR		B	---	MAS	5-A7	6-A7	---	7-A7
104	B	16x16' OHD	MFGR	YES	MFGR	---	MFGR	MFGR		B	---	MAS	5-A7	6-A7	---	7-A7
105	B	16x16' OHD	MFGR	YES	MFGR	---	MFGR	MFGR		B	---	MAS	5-A7	6-A7	---	7-A7
106	B	16x16' OHD	MFGR	YES	MFGR	---	MFGR	MFGR		B	---	MAS	5-A7	6-A7	---	7-A7
107	A	3' x 7'	1 3/4"	YES	HW-1	---	T / TH	24" x 36"		A	---	MAS	9-A7	10-A7	ALUM	11-A7
108	A	3' x 7'	1 3/4"	YES	HW-1	---	T / TH	24" x 36"		A	---	MAS	9-A7	10-A7	ALUM	11-A7
109	A	3' x 7'	1 3/4"	YES	HW-1	---	T / TH	24" x 36"		A	---	MAS	9-A7	10-A7	ALUM	11-A7

WINDOW SCHEDULE

ABBREVIATION MFGR MANUFACTURER

NO.	TYPE	MANUFACTURER		NOMINAL SIZE		DETAILS					REMARKS	
		MFGR	MODEL	WIDTH	HEIGHT	HEAD	JAMB	SILL	MUNT	MULL		
A	FIXED	VINYL	MFGR	3'-0"	3'-0"	13-A7	14-A7	15-A7	---	---	---	LOW 'E' INSULATED GLASS

FINISH SCHEDULE

ABBREVIATIONS

CH	CONCRETE w/ HARDENER	MLP	METAL LINER PANEL
CMU	CONCRETE MASONRY UNIT	P	PAINT
DFP	DRY FALL PAINT	RB	RUBBER BASE
E	EXISTING	RT	RUBBER TILE
EP	EPOXY PAINT		
FRP	FIBERGLASS REINFORCED PANELS	SAT	SUSPENDED ACOUSTICAL TILE
FV	FIELD VERIFY	SS	STAINLESS STEEL
GL	GLASS	WD	WOOD
GWB	GYP'SUM WALL BOARD		

RM NO.	NAME	WALLS				FLOORS				CEILING A		CEILING B		REMARKS
		N	E	S	W	MAT'L	BASE	MAT'L	BASE	TYPE	HT.	TYPE	HT.	
101	BAY 1	P / MLP	---	P / MLP	---	CONC	---	---	---	MLP	STRUCT.	---	---	
102	BAY 2	P / MLP	---	P / MLP	---	CONC	---	---	---	MLP	STRUCT.	---	---	
103	BAY 3	P / MLP	---	P / MLP	---	CONC	---	---	---	MLP	STRUCT.	---	---	
104	BAY 4	P / MLP	---	P / MLP	---	CONC	---	---	---	MLP	STRUCT.	---	---	
105	BAY 5	P / MLP	---	P / MLP	---	CONC	---	---	---	MLP	STRUCT.	---	---	
106	BAY 6	P / MLP	---	P / MLP	---	CONC	---	---	---	MLP	STRUCT.	---	---	

Scale: 3/8" = 1'-0"

No.	Revision	By	Date

Designed by: MICHAEL F. HAYS, RA

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By: MFH Date: 03/28/23

Checked: MFH Date: 03/28/23

Drawn: MGK Date: 03/28/23

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Brian A. Taddeo, P.E.

CONTRACT 2023.06

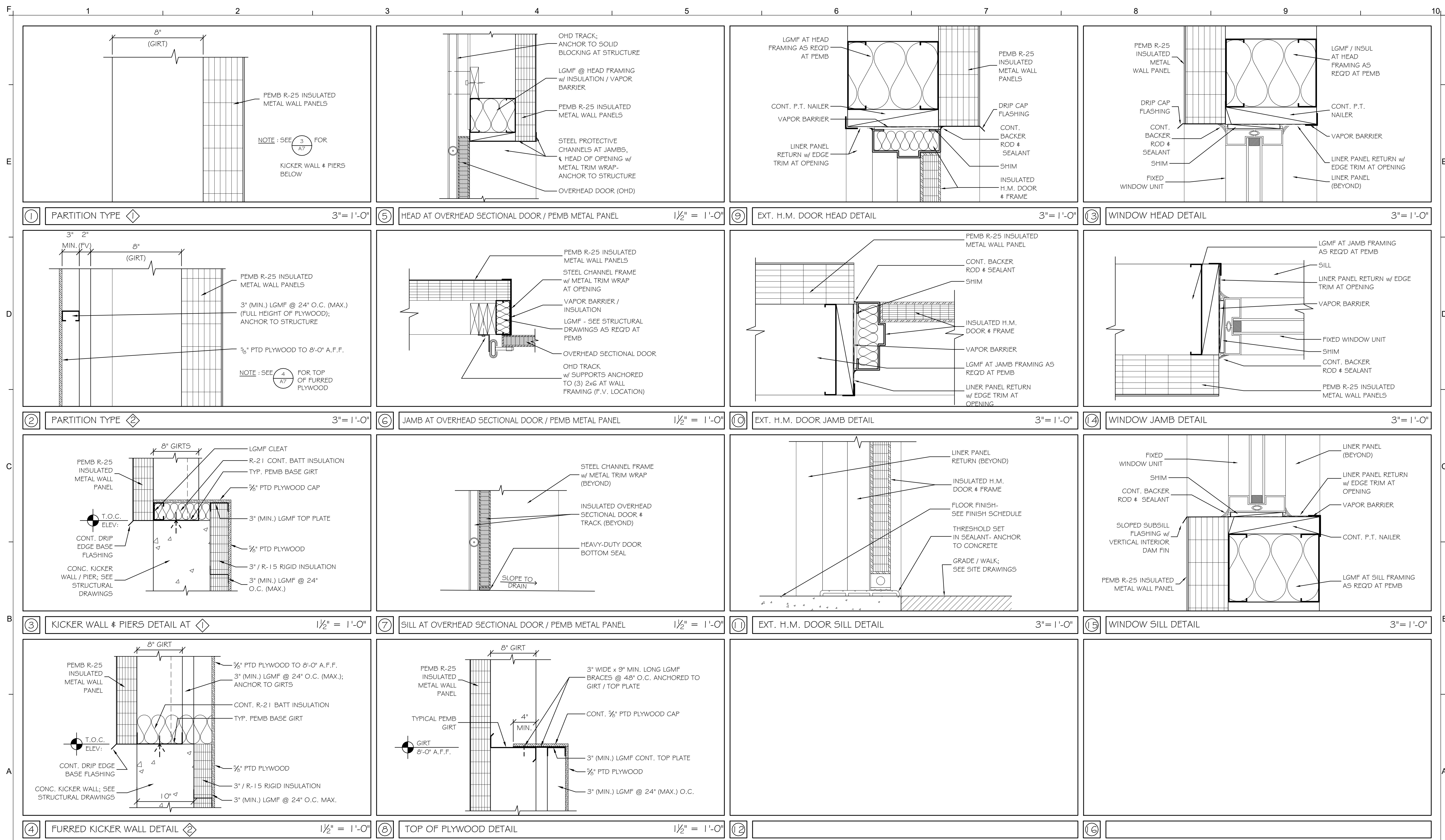
YORK VEHICLE STORAGE GARAGE

DOOR, WINDOW & FINISH SCHEDULES

SHEET NUMBER: A-6

CONTRACT: 2023.06

17 OF 33



Scale: As indicated

No.	Revision	By	Date

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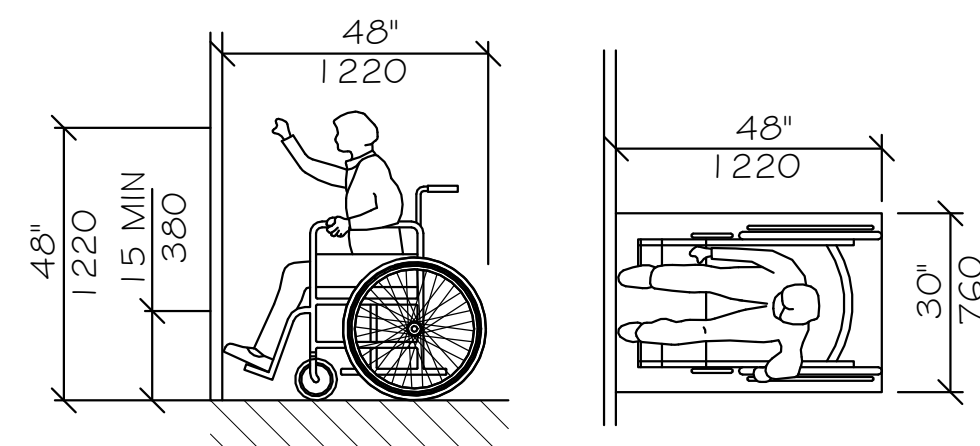
By	Date	By	Date
Designed: MFH	03/28/23	Checked: MFH	03/28/23
Drawn: MGK	03/28/23		

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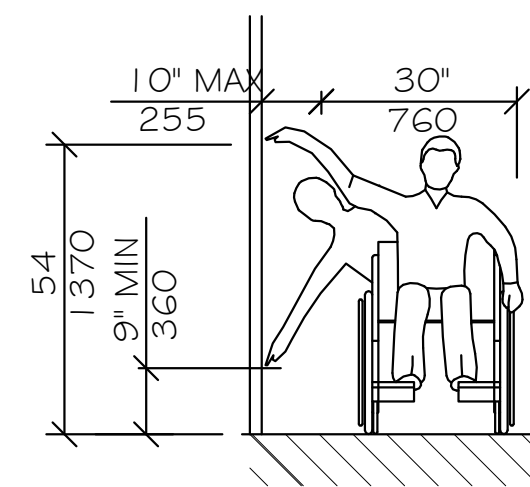
MAINE TURNPIKE
 THE GOLD STAR MEMORIAL HIGHWAY
 MTA PROJECT MANAGER: Brian A. Taddeo, P.E.

CONTRACT 2023.06
 YORK VEHICLE STORAGE GARAGE
 DETAILS

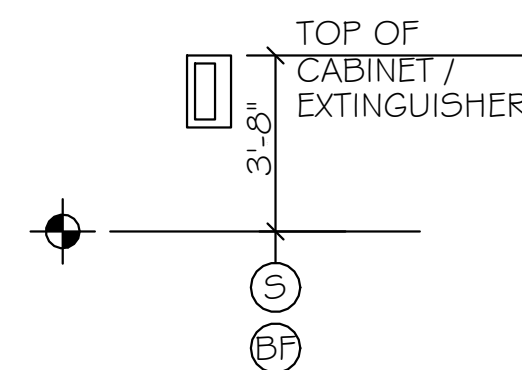
SHEET NUMBER: A-7
 CONTRACT: 2023.06
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HIGH FORWARD REACH LIMIT
NTS



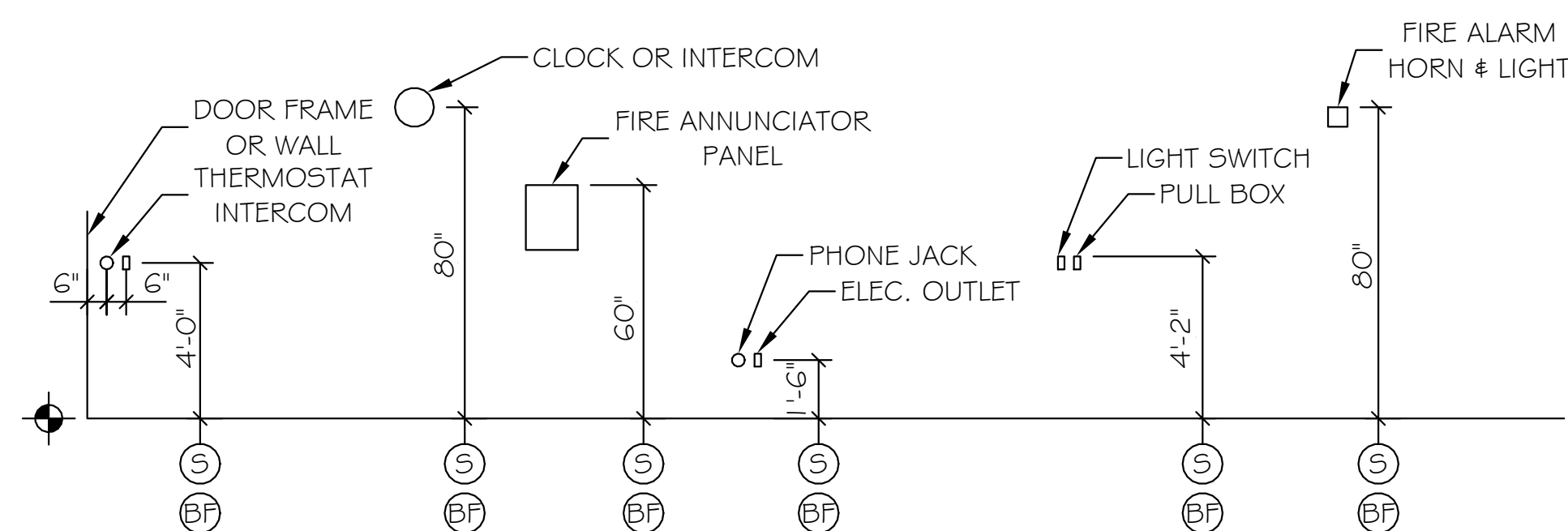
HIGH AND LOW SIDE REACH LIMITS
NTS



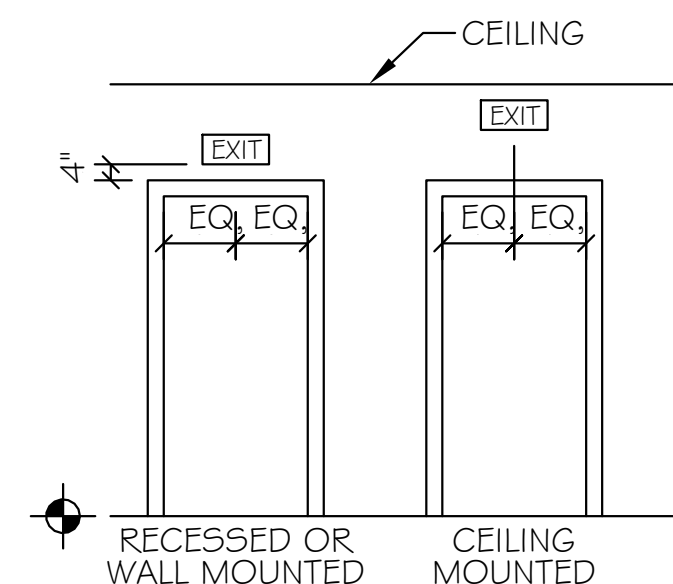
FIRE EXTINGUISHER
CABINET (FEC)
NTS

- LEGEND**
- Ⓢ STANDARD MOUNTING HEIGHT
 - Ⓟ BARRIER FREE ADULT MOUNTING HEIGHT
 - ⦿ FINISH FLOOR LINE

NOTE
MOUNT ALL FIXTURES AT STANDARD MOUNTING HEIGHT UNLESS INDICATED ON PLAN BY A Ⓢ SYMBOL. A Ⓟ SYMBOL AT ANY ROOM SHALL INCLUDE ONE OF ANY FIXTURE AND ACCESSORY WITHIN THE ROOM.



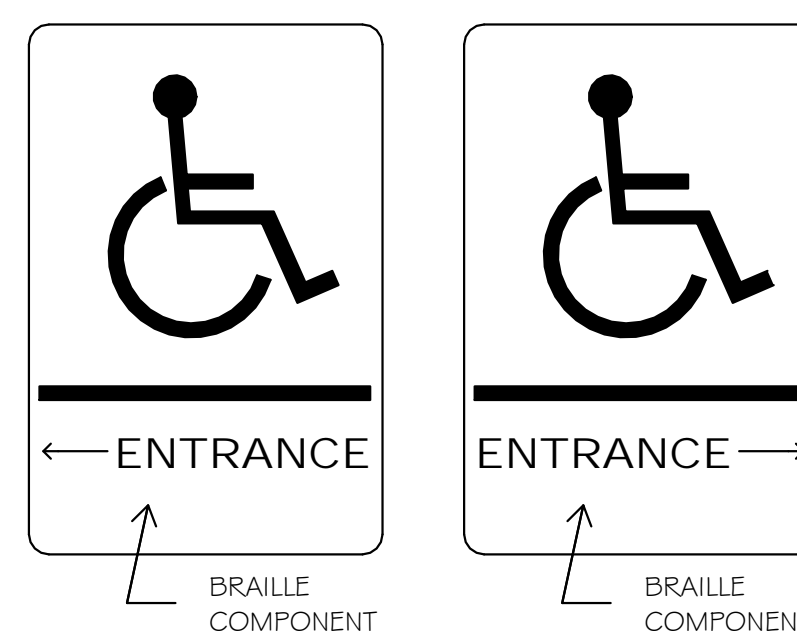
ELECTRICAL & FIRE PROTECTION DEVICES (TYPICAL U.O.N.)
NTS



EXIT SIGNS
(TYPICAL UNLESS OTHERWISE NOTED)
NTS

ACCESSIBILITY GENERAL NOTES

1. DOORWAYS SHALL HAVE A MINIMUM CLEAR WIDTH OF 32" WITH THE DOOR OPEN 90 DEGREES. MEASURED BETWEEN THE FACE OF THE DOOR AND THE OPPOSITE STOP.
2. ALL DOORS SHALL HAVE LEVER HANDLE HARDWARE, EXCEPT AT SECURED STORAGE ROOMS, MECHANICAL ROOMS, AND ELEVATOR MACHINE ROOMS.
3. ALL CLOSERS SHALL BE 5LB PULL MAXIMUM AT DOORS EQUIPPED WITH LEVER HANDLE HARDWARE.
4. ALL DOORS WITH CLOSERS SHALL HAVE 18" CLEAR DISTANCE FROM THE LATCHSIDE OF THE OPENING TO ANY ADJACENT WALL OR OBSTRUCTION ON THE PULL SIDE OF THE OPENING.
5. ALL DOORS WITH CLOSERS SHALL HAVE 12" CLEAR DISTANCE FROM THE LATCHSIDE OF THE OPENING TO ANY ADJACENT WALL OR OBSTRUCTION ON THE PUSH SIDE OF THE OPENING.
6. ALL SIGNAGE SHALL BE MOUNTED 60" AFF TO BRAILLE COMPONENT AT LATCH-SIDE WALL OF DOORS AND OPENINGS.
7. COMPLY WITH 2010 EDITION OF THE AMERICANS WITH DISABILITIES ACT.



SIGN Ⓐ



SIGN Ⓑ

Scale:
12" = 1'-0"

No.	Revision	By	Date

Designed by:

MICHAEL F. HAYS, RA
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By	Date	By	Date
Designed: MFH	03/28/23	Checked: MFH	03/28/23
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MAINE TURNPIKE
THE GOLD STAR MEMORIAL HIGHWAY

CONTRACT 2023.06
YORK VEHICLE STORAGE GARAGE
ACCESSIBILITY DETAILS & NOTES

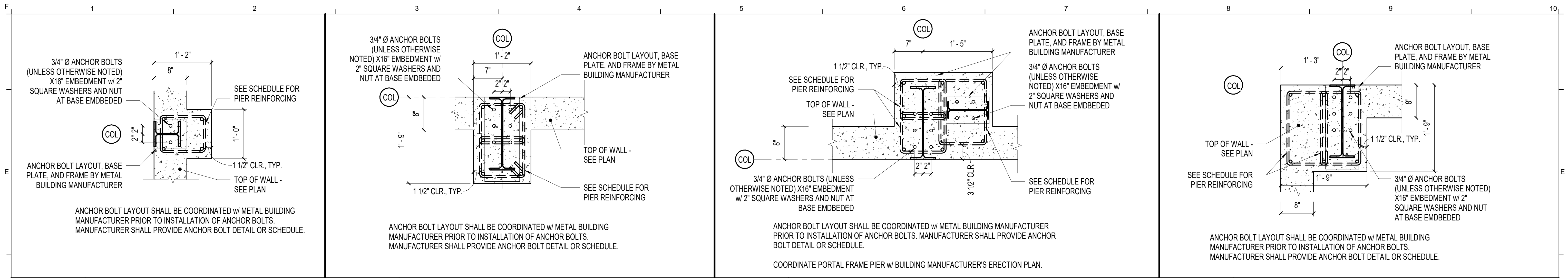
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MTA PROJECT MANAGER: Brian A. Taddeo, P.E.

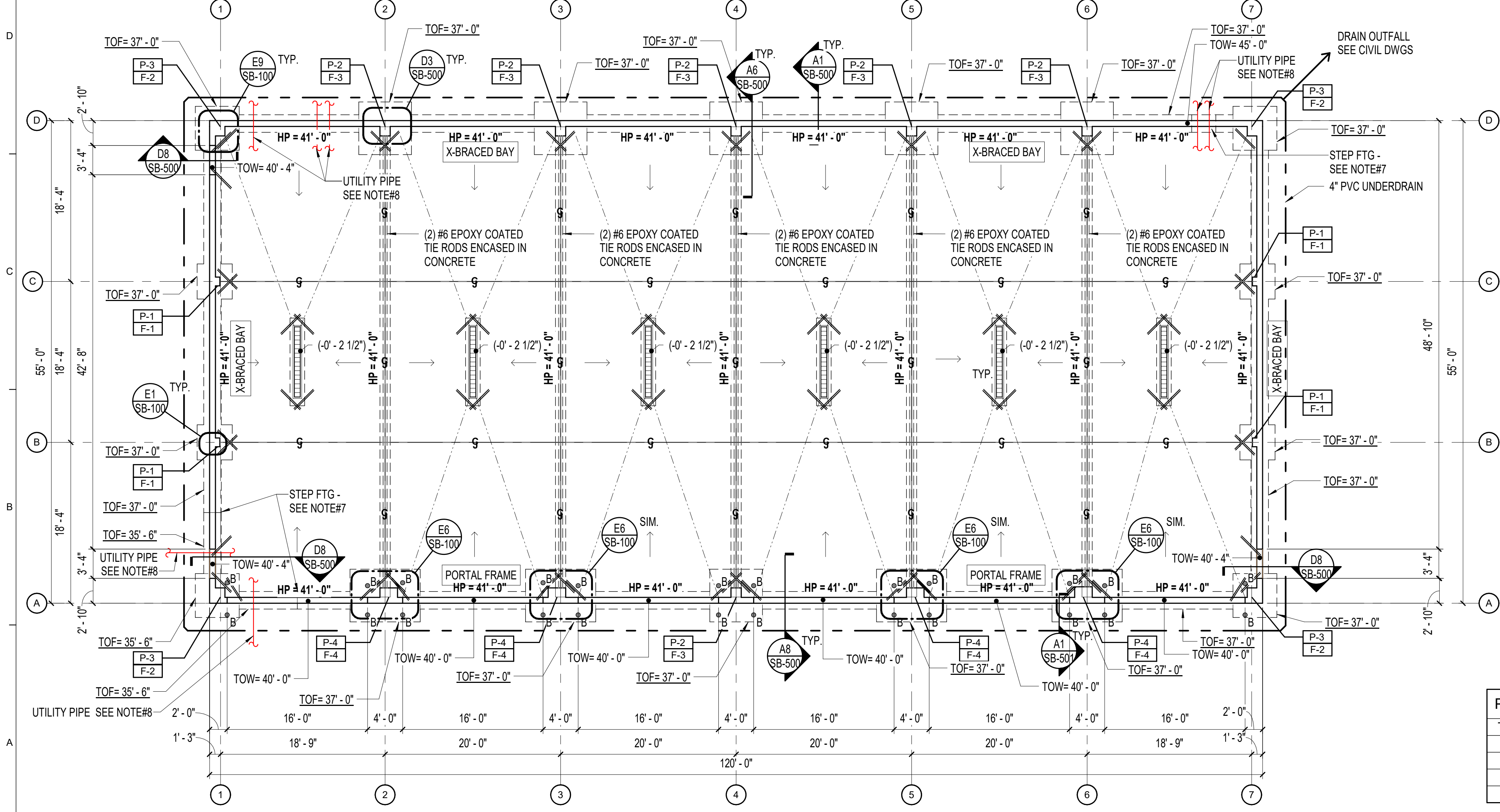
CONTRACT: 2023.06

SHEET NUMBER: A-8

19 OF 33



E1	PIER DETAIL ~ END WALL COLUMNS	E3	PIER DETAIL ~ MAIN FRAME COLUMNS	E6	PIER DETAIL ~ PORTAL FRAME	E9	PIER DETAIL ~ CORNER COLUMNS
1" = 1'-0"		1" = 1'-0"		1" = 1'-0"		1" = 1'-0"	



- FOUNDATION PLAN NOTES:**
- FINISH SLAB ELEVATION = 41.00' UNLESS NOTED OTHERWISE.
 - CONCRETE SLAB-ON-GRADE SHALL BE 6" MINIMUM THICKNESS REINFORCED WITH #5 EPOXY COATED BARS AT 12-INCHES ON-CENTER EACH WAY UNLESS NOTED OTHERWISE. SLOPE SLAB TOWARD DRAINS INDICATED ON PLAN, MAINTAIN SLAB DEPTH. REINFORCING FOR 6" INTERIOR SLAB SHALL BE SET ON BOLSTER 2" ABOVE VAPOR BARRIER.
 - TOP OF WALL ELEVATION = 45'-0" UNLESS NOTED OTHERWISE.
 - TOP OF PIER ELEVATION = 45'-0" UNLESS NOTED OTHERWISE.
 - HP = HIGH POINT NOTED AS ELEVATION (41'-0") ON PLAN IS EQUAL TO FINISHED SLAB ELEVATION. DRAIN AND SLOPE LINE ELEVATIONS NOTED (+/- X'-X") FROM HIGH POINT.
 - G.C. SHALL COORDINATE TOP OF FOOTING ELEVATIONS NOTED ON PLAN FOR EXTERIOR WALL STRIP FOOTINGS AND FOR FOOTINGS BELOW PIERS ALONG EXTERIOR WALL.
 - TOP OF FOOTINGS SHALL BE SET A MINIMUM OF 3'-6" BELOW FINISHED GRADE PER GEOTECHNICAL REPORT REFERENCED IN "FOUNDATION, NOTE#1" ON SHEET S-000
 - TOP OF FOOTING ELEVATIONS NOTED WERE BASED ON SHEET C-102 DATED 5/7/21, BY GORRILL PALMER.
 - STEP FOOTING AS REQUIRED - G.C. SHALL COORDINATE LOCATION AND QUANTITY OF STEPS
 - G.C. SHALL COORDINATE UTILITY ENTRANCES WITH CIVIL / PLUMBING / ELECTRICAL DRAWINGS FOR OCCURANCES, LOCATIONS, SIZES AND ELEVATIONS. LOCATIONS NOTED ON THIS DRAWING ARE APPROXIMATE. REFER TO DETAIL A3/SB-501, STEP FOOTINGS AS REQUIRED.
 - DIMENSIONS NOTED TO DOOR OPENINGS SHALL BE COORDINATED WITH ARCHITECTURAL DRAWINGS.
- F-# INDICATES FOOTING TYPE - SEE SB-100 FOR SCHEDULE.
 P-# INDICATES CONCRETE PIER TYPE - SEE SB-100 FOR SCHEDULE
 B INDICATES BOLLARD (PROVIDE AT EACH OVERHEAD DOOR AS SHOWN ON PLAN) SET BOLLARD ON A MIN. 2'-0" SQUARE x 12" THICK FOOTING - REFER TO TYPICAL BOLLARD DETAIL A1/SB-501
 S INDICATES CONTROL JOINT IN SLAB - SEE DETAIL D6/SB-500
 TD INDICATES TRENCH DRAIN - COORDINATE W/PLUMBING DRAWINGS
 // INDICATES RE-ENTRANT BAR PER CONCRETE NOTE#15 SHEET S-000
- DIMENSIONAL LAYOUT / FOUNDATIONS / PIER SIZES ARE PRELIMINARY. FINAL DIMENSIONS / FOUNDATIONS / PIER SIZES SHALL BE DETERMINED UPON RECEIPT AND APPROVAL OF FINAL PRE-ENGINEERED METAL BUILDING (PEMB) SHOP DRAWING SUBMITTAL PACKAGE INCLUDING MEMBER SIZES AND REACTIONS.

PIER SCHEDULE (GRADE 60 DEFORMED BARS)			FOOTING SCHEDULE (GRADE 60 DEFORMED BARS)		
TYPE	SIZE	REINFORCING	MARK	SIZE	REINFORCING
P-1	12" x 14"	(4) #6 BARS VERTICAL; #4 HORIZ. TIES @ 8"	F-1	48" x 48" x 12"	(9) #4 BARS E.W. BOTTOM
P-2	14" x 21"	(6) #6 BARS VERTICAL; #4 HORIZ. TIES @ 12"	F-2	60" x 60" x 13"	(7) #5 BARS E.W. BOTTOM
P-3	21" x 21"	(6) #6 BARS VERTICAL; #4 HORIZ. TIES @ 12"	F-3	72" x 72" x 16"	(7) #5 BARS E.W. BOTTOM
P-4	21" x 24"	(8) #6 BARS VERTICAL; #4 HORIZ. TIES @ 12"	F-4	96" x 72" x 16"	(7) #5 BARS E.W. BOTTOM

A1	STRUCTURAL ~ FOUNDATION PLAN
1/8" = 1'-0"	

Scale: As indicated

No.	Revision	By	Date

Designed by:
WILLIAM P. FAUCHER, P.E.

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By	Date	By	Date
Designed:	WPF 03/28/23	Checked:	WPF 03/28/23
Drawn:	CMW 03/28/23		

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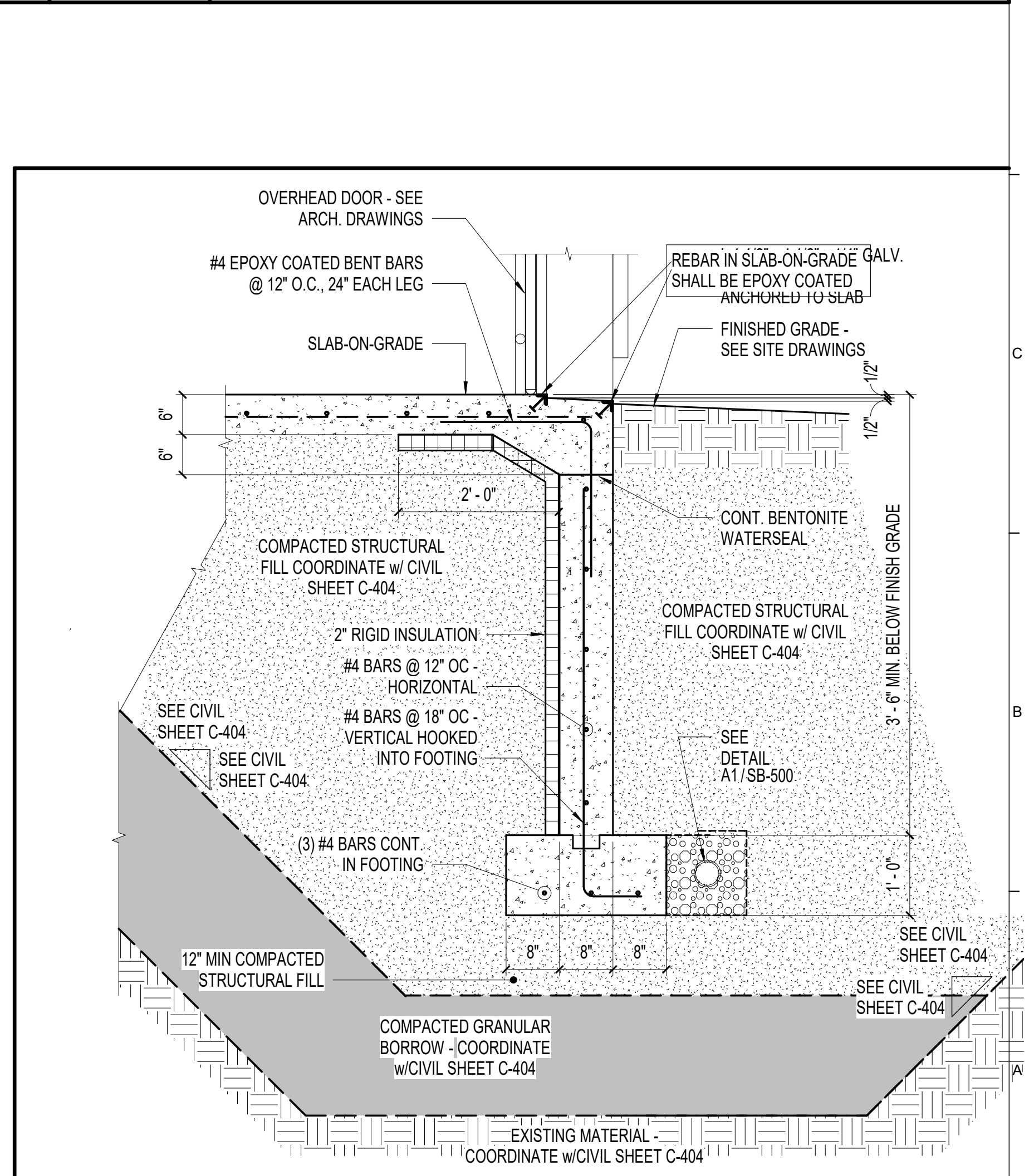
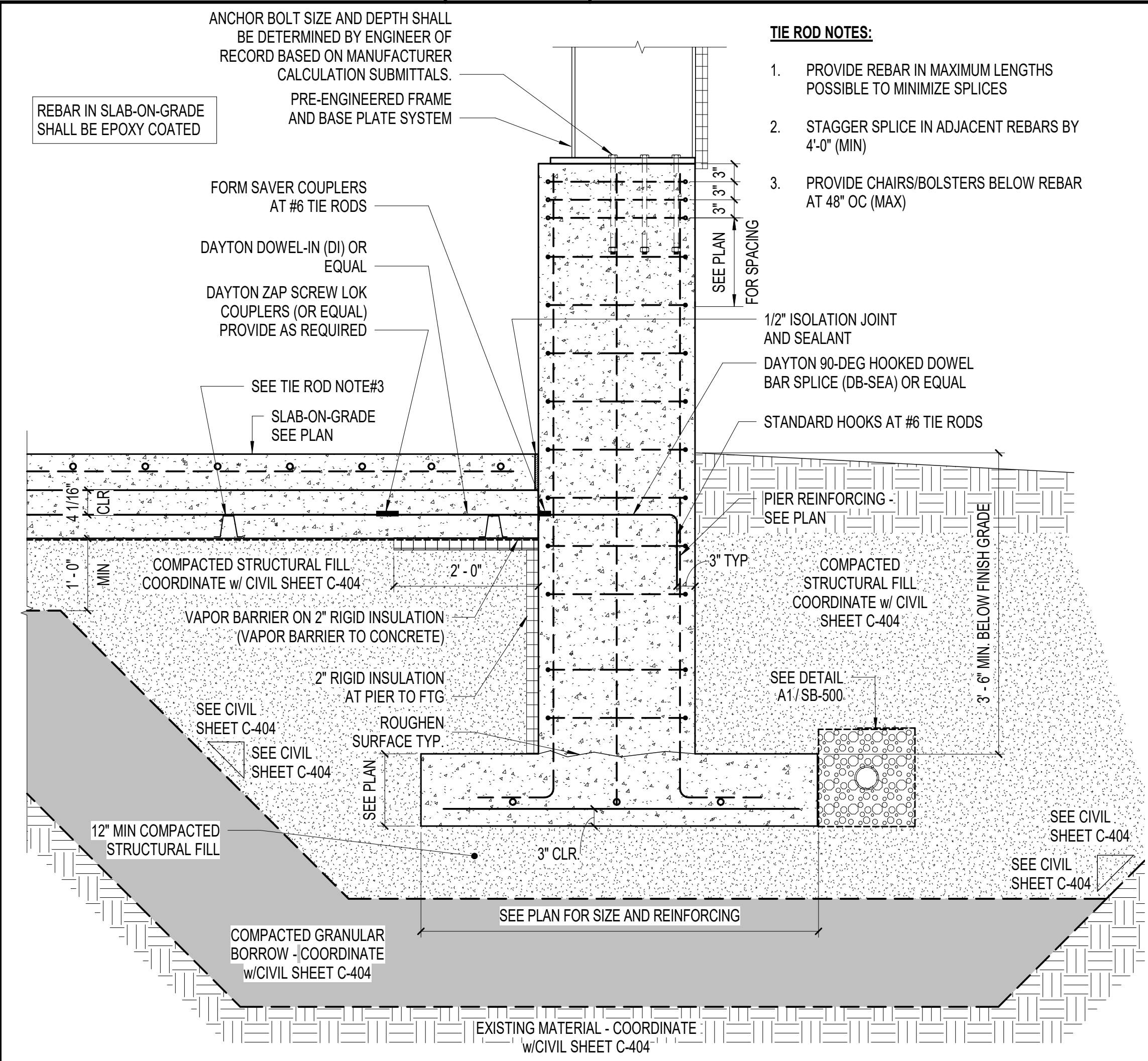
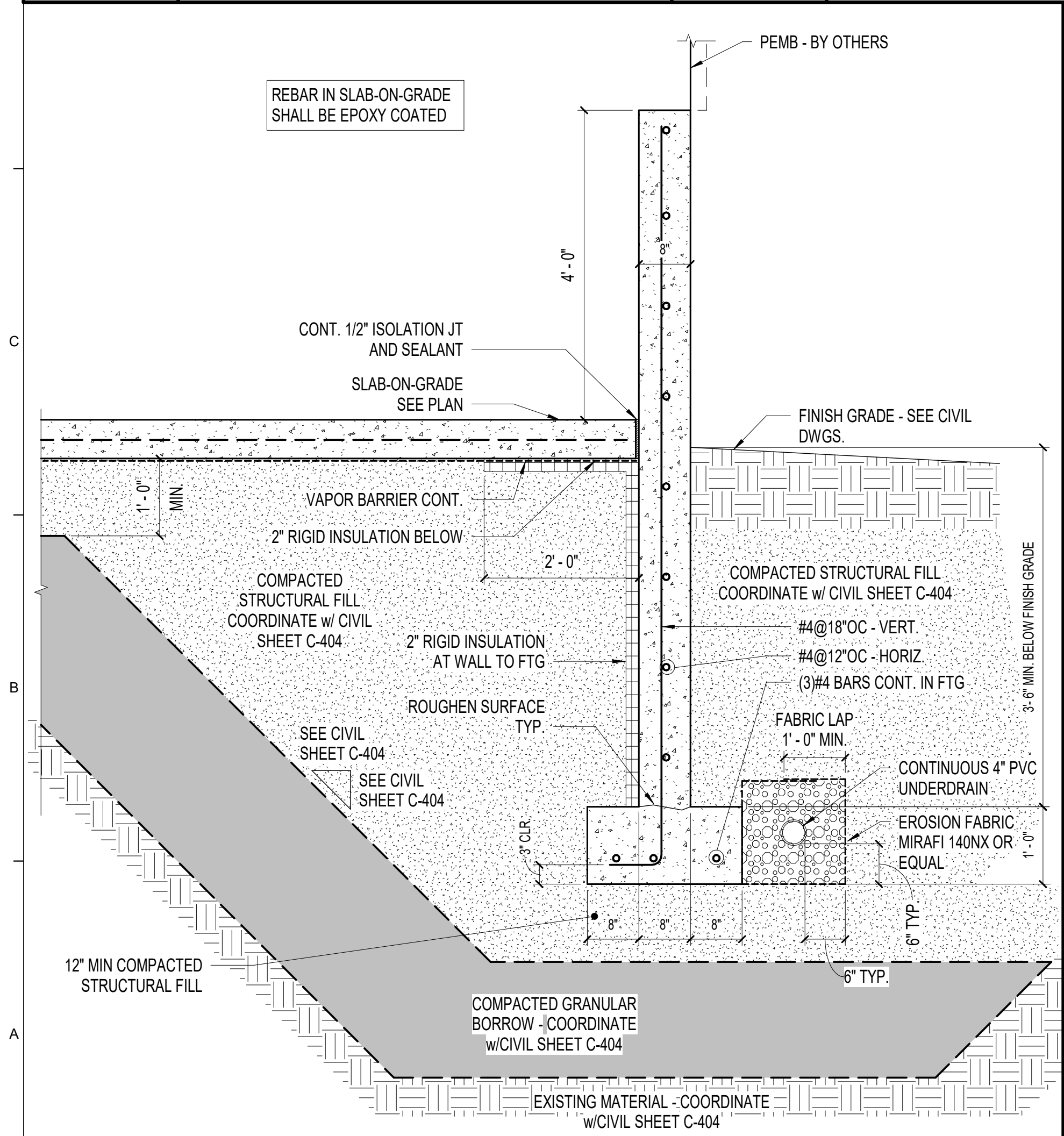
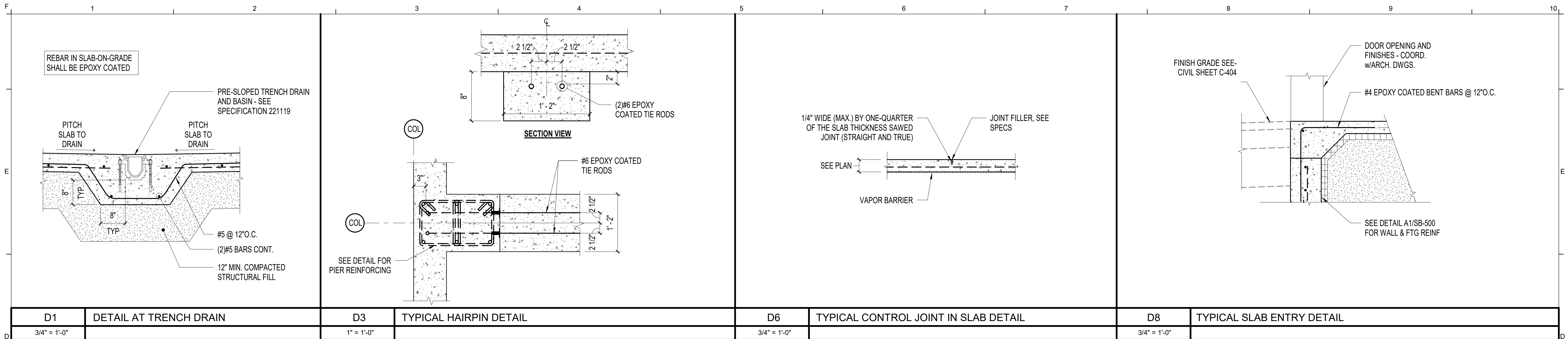
THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Brian A. Taddeo, P.E.

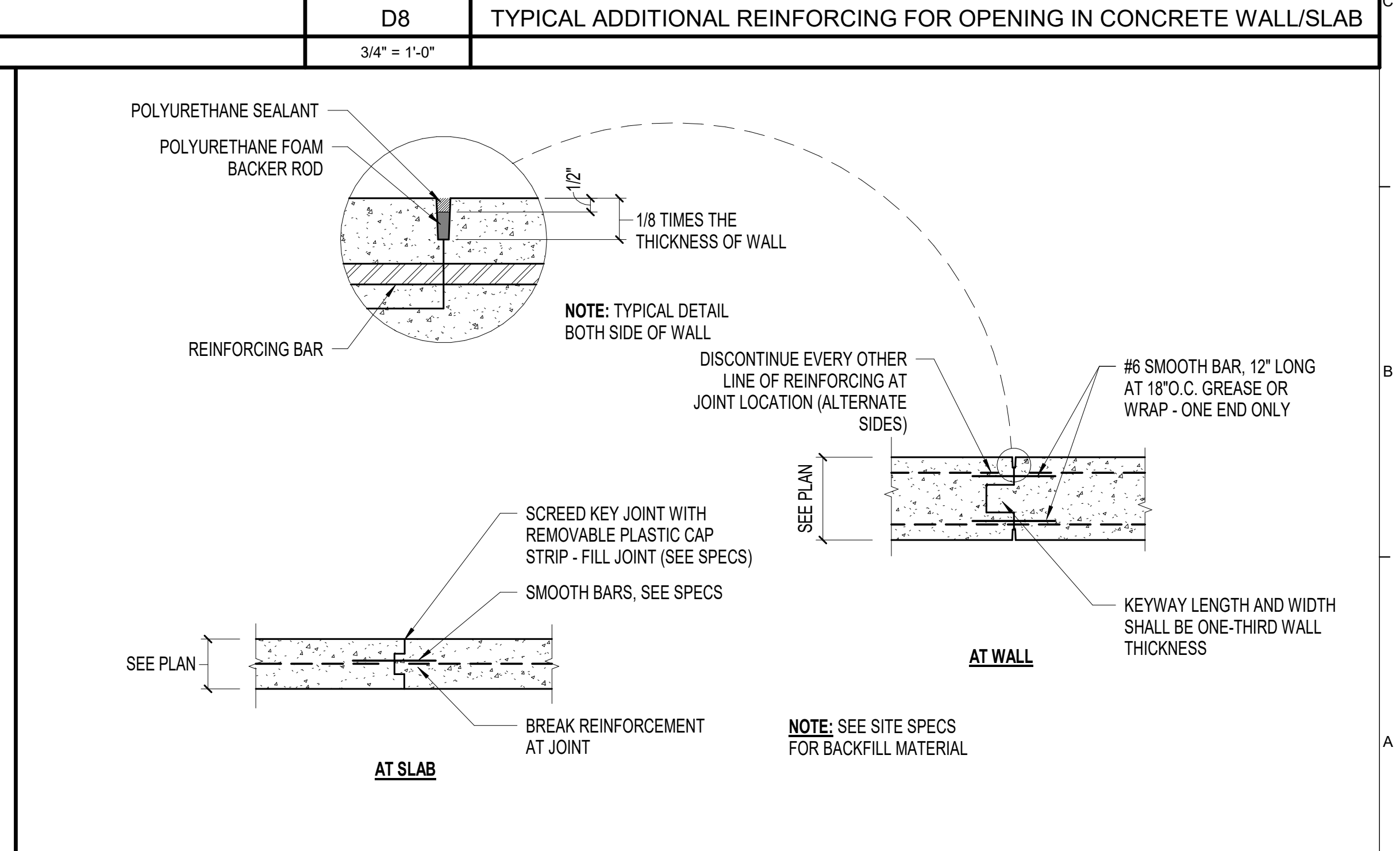
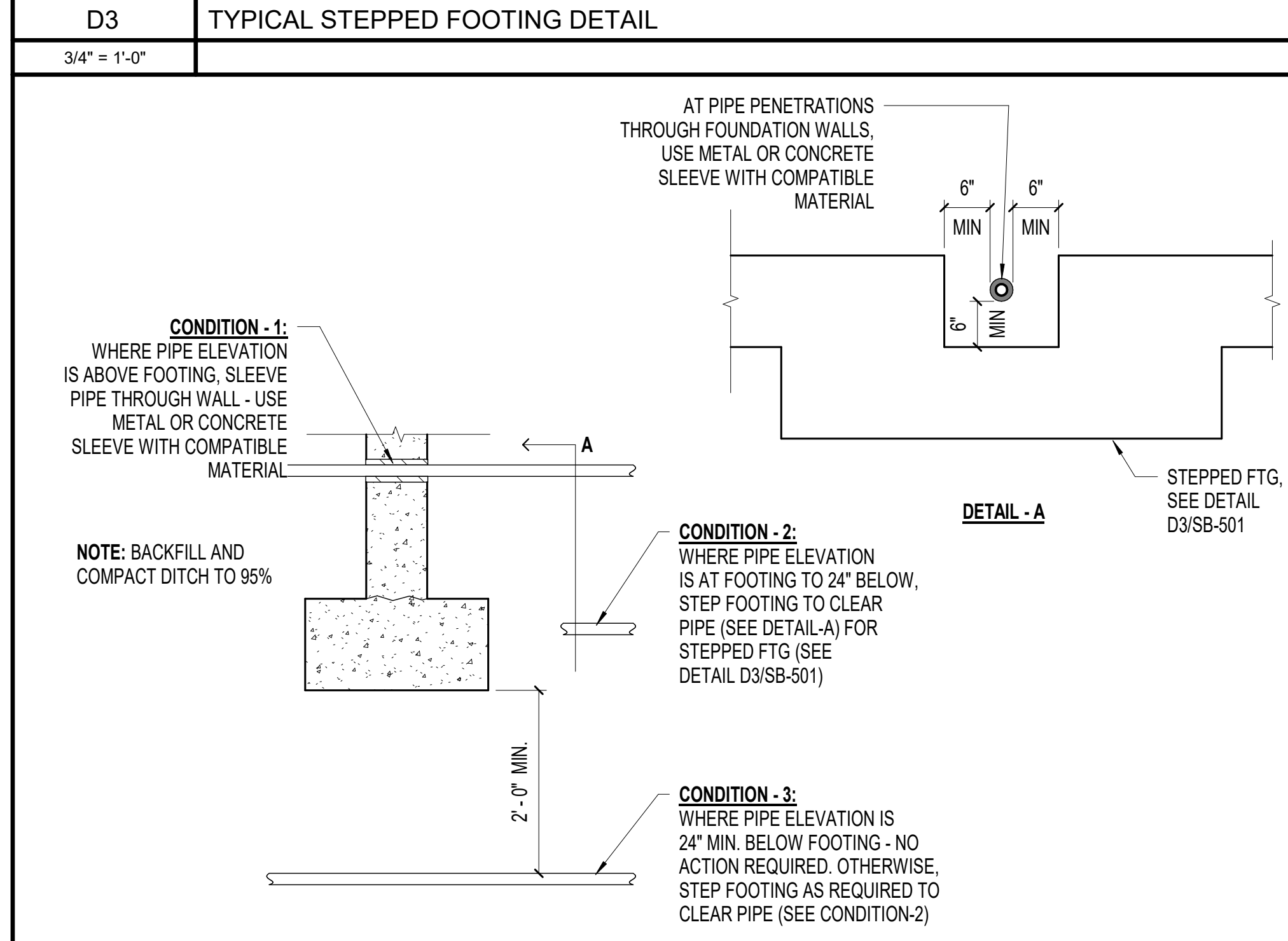
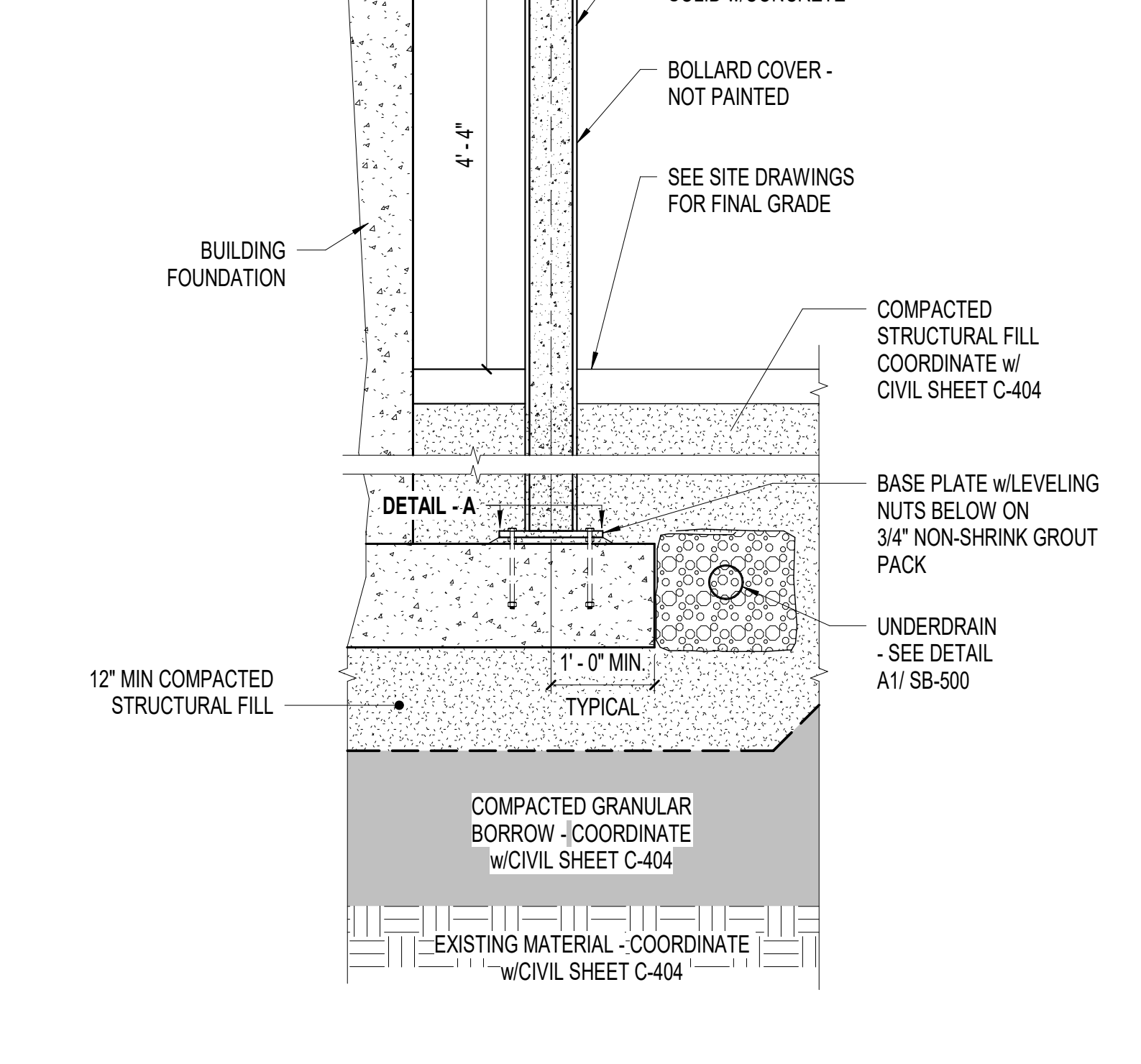
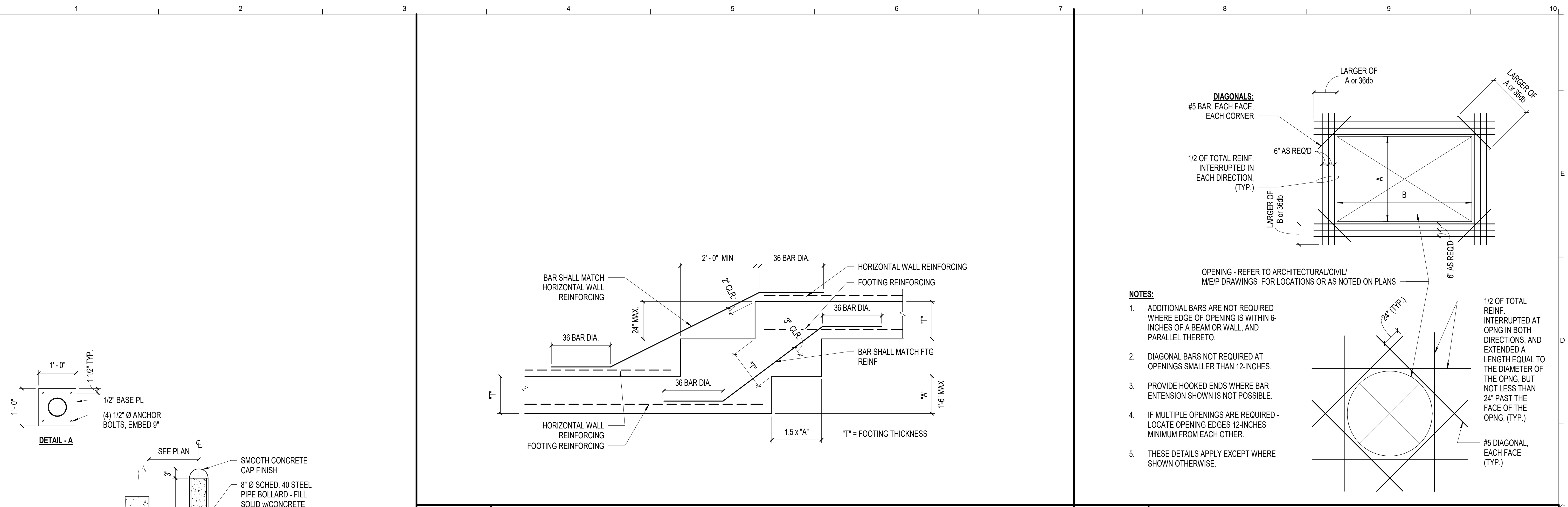
CONTRACT 2023.06
YORK VEHICLE STORAGE GARAGE
STRUCTURAL - FOUNDATION PLAN

SHEET NUMBER: SB-100

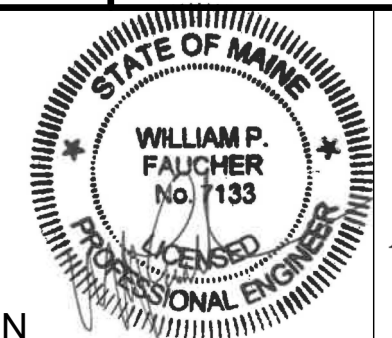
CONTRACT: 2023.06 21 OF 33



Scale: As indicated				Designed by: WILLIAM P. FAUCHER, P.E.												CONTRACT 2023.06 YORK VEHICLE STORAGE GARAGE STRUCTURAL - FOUNDATION DETAILS - 1																							
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By	Date																																						
CMW	03/28/23																																						



A1		TYPICAL BOLLARD DETAIL		A3		TYPICAL PIPE AT FOOTING DETAIL		A7		TYPICAL WALL AND SLAB CONSTRUCTION JOINT DETAIL	
3/4" = 1'-0"				3/4" = 1'-0"				3/4" = 1'-0"			
Scale:		Designed by:									
As indicated		WILLIAM P. FAUCHER, P.E.									
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No.	Revision	By	Date	By	Date	By	Date				
		WPF	03/28/23	WPF	03/28/23						
Drawn:		CMW		Checked:		WPF					
		03/28/23				03/28/23					
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				MTA PROJECT MANAGER:		Brian A. Taddeo, P.E.					

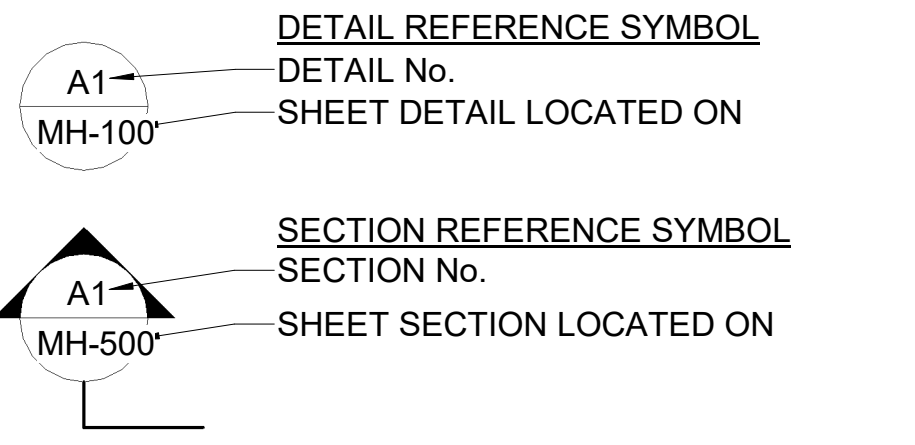
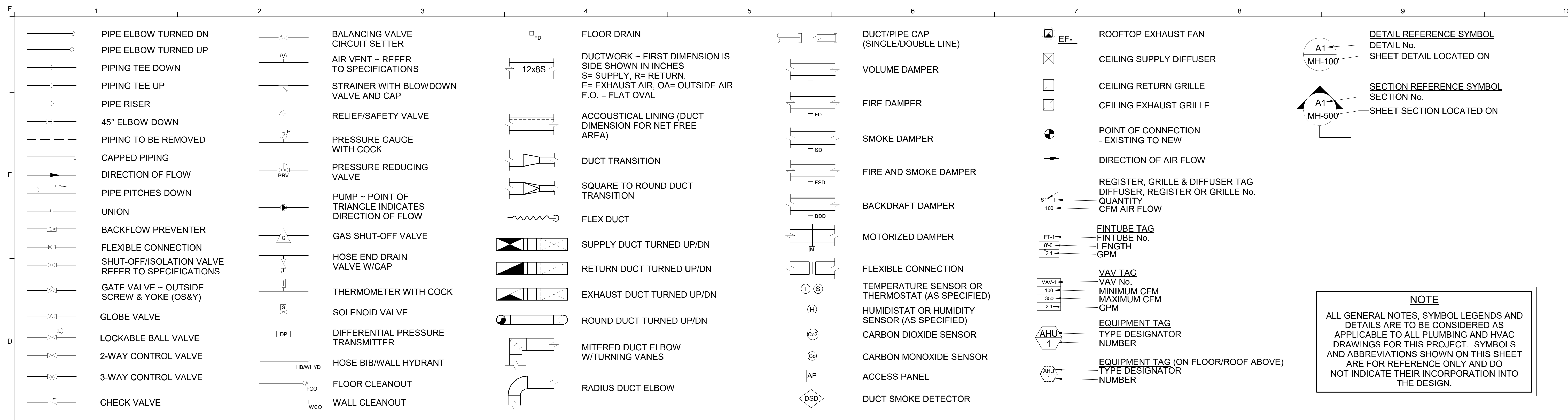


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**THE GOLD STAR
 MEMORIAL HIGHWAY**

**CONTRACT 2023.06
 YORK VEHICLE STORAGE GARAGE
 STRUCTURAL - FOUNDATION DETAILS - 2**



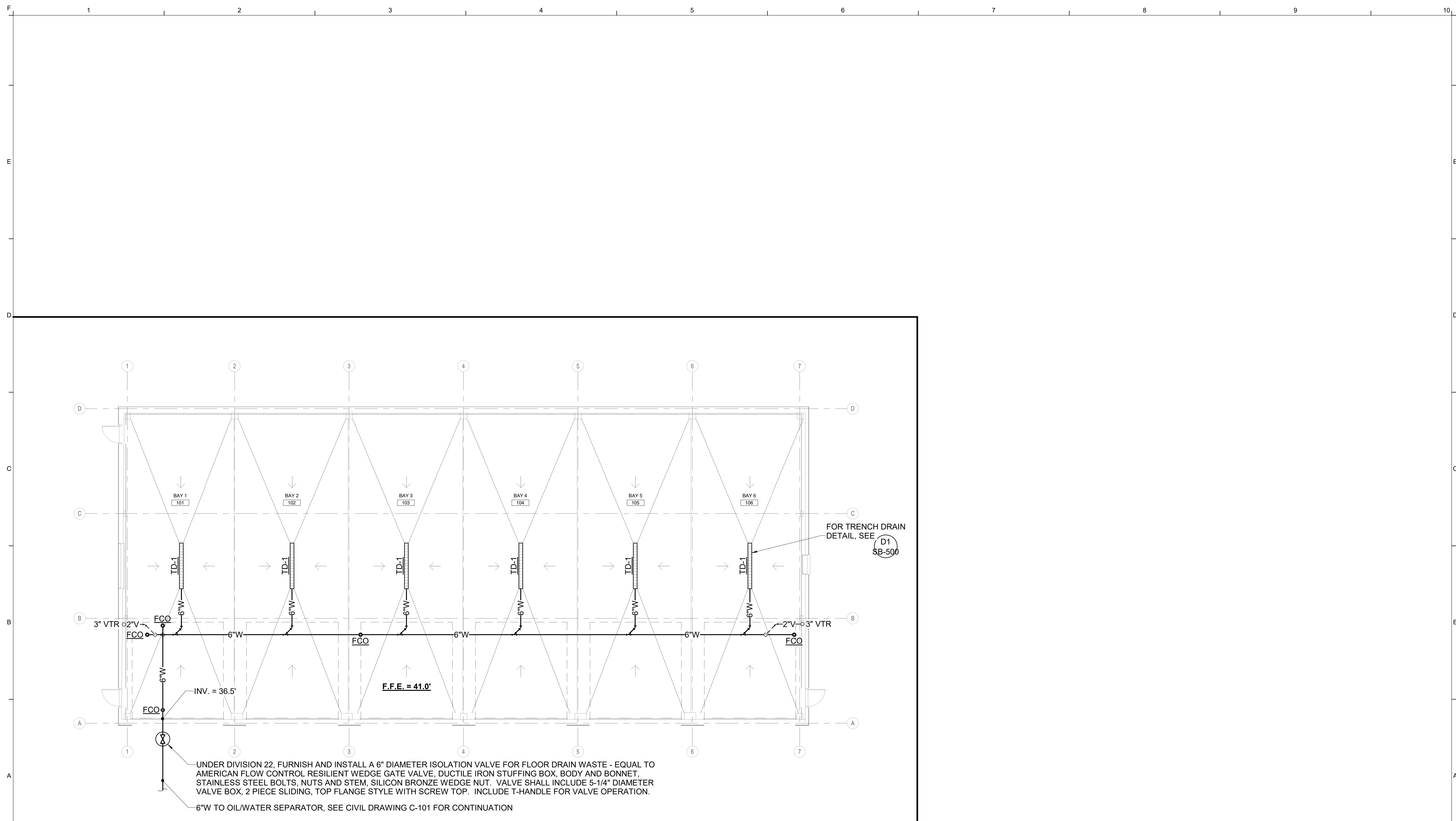
NOTE
 ALL GENERAL NOTES, SYMBOL LEGENDS AND DETAILS ARE TO BE CONSIDERED AS APPLICABLE TO ALL PLUMBING AND HVAC DRAWINGS FOR THIS PROJECT. SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT INDICATE THEIR INCORPORATION INTO THE DESIGN.

D1 SYMBOLS LEGEND

NONE													
—AW—	ACID WASTE	—HCR—	HEAT/COOL RETURN	—RL—	REFRIGERANT LIQUID	AAV	AUTOMATIC AIR VENT	ENC	ENCLOSURE	MBH	1000 BTUH/hr.	SPLR	SPRINKLER
—ATV—	AIR RELIEF	—HCS—	HEAT/COOL SUPPLY	—RS—	REFRIGERANT SUCTION	AD	ACCESS DOOR	ERU	ENERGY RECOVERY UNIT	MFR	MANUFACTURER	SQ. FT.; SF	SQUARE FEET
—BBD—	BOILER BLOWDOWN	—HPWR—	HEAT PUMP WATER RETURN	—RO—	REVERSE OSMOSIS WATER	AFF; A.F.F.	ABOVE FINISHED FLOOR	ET	EXPANSION TANK	MIN	MINIMUM	S.S.	STAINLESS STEEL
—C—	CONDENSATE (HVAC DRAIN PAN)	—HPWS—	HEAT PUMP WATER SUPPLY	—RW—	RAIN WATER - ABOVE FLOOR	AHU	AIR HANDLING UNIT	(E)	EXISTING	MOD	MOTOR OPERATED DAMPER	TD	TRENCH DRAIN
—CA—	COMPRESSED AIR	—HPC—	HIGH PRESSURE CONDENSATE	—RW—	RAIN WATER - BELOW GRADE	AP	ACCESS PANEL	FC	FLEXIBLE CONNECTION	MTD	MOUNTED	TP	TRAP PRIMER
--CHWR--	CHILLED WATER RETURN	—HPS—	HIGH PRESSURE STEAM	—RWO—	RAIN WATER OVERFLOW - ABOVE FLOOR	APPROX.	APPROXIMATE; APPROXIMATELY	FCO	FLOOR CLEANOUT	MTG	MOUNTING	TSP	TOTAL STATIC PRESSURE
—CHWS—	CHILLED WATER SUPPLY	—HTWR—	HIGH-TEMP HOT WATER RETURN	—RWO—	RAIN WATER OVERFLOW - BELOW GRADE	ATC	AUTOMATIC TEMPERATURE CONTROL	FD#	FLOOR DRAIN TAG	MUA	MAKE UP AIR	TTS	TIGHT TO STEEL
---CTR---	COOLING TOWER RETURN	—HWR—	HOT WATER RETURN	—SP—	SPRINKLER MAIN PIPING	AV	AIR VENT	FD	FIRE DAMPER	N.C.	NORMALLY CLOSED	TYP	TYPICAL
—CTS—	COOLING TOWER SUPPLY	—HWS—	HOT WATER SUPPLY	—SWS—	SOLAR WATER SUPPLY	BDD	BACKDRAFT DAMPER	FTG	FOOTING	N.O.	NORMALLY OPEN	UH	UNIT HEATER
---CWR---	CONDENSER WATER RETURN	—IND—	INDUSTRIAL WASTE	--TP--	TRAP PRIMER - ABOVE FLOOR	BFP	BACKFLOW PREVENTER	GC	GENERAL CONTRACTOR	NG	NATURAL GAS	UIC	UP IN CHASE
—CWS—	CONDENSER WATER SUPPLY	—IW—	INDIRECT WASTE	--TP--	TRAP PRIMER - BELOW GRADE	BLDG	BUILDING	GPM	GALLONS PER MINUTE	NIC	NOT IN CONTRACT	UIW	UP IN WALL
— -- --	DOMESTIC COLD WATER	—LN—	LIQUID NITROGEN	—TWR—	TEMPERED WATER RETURN	BOD	BOTTOM OF DUCT	GRV	GRAVITY ROOF VENTILATOR	NPT	NATIONAL PIPE THREAD	VAC	VACUUM
— -- --	DOMESTIC HOT WATER	—LOX—	LIQUID OXYGEN	—TWS—	TEMPERED WATER SUPPLY	CONV.	CONVECTOR	H	HUMIDIFIER	NTS	NOT TO SCALE	VCFF	VALVE & CAP FOR FUTURE
— -- --	DOMESTIC HOT WATER RECIRC.	—LP—	LIQUID PETROLEUM GAS	--V--	SANITARY SOIL VENT - ABOVE FLOOR	CFM	CUBIC FEET PER MINUTE	HB	HOSE BIBB	OD	OUTSIDE DIAMETER	W/	WITH
—D—	DRAIN	—LPR—	LOW PRESSURE CONDENSATE	--V--	SANITARY SOIL VENT - BELOW GRADE	CLG	CEILING	HC; HDC	HANDICAP ACCESS	OED	OPEN ENDED DUCT	WB	WET BULB TEMPERATURE, °F
—FM—	PUMP FORCE MAIN	—LPS—	LOW PRESSURE STEAM	—VAC—	VACUUM (AIR)	CO	CLEANOUT	HGT; HT	HEIGHT	P#	PLUMBING FIXTURE TAG	WCO	WALL CLEANOUT
—FOF—	FUEL OIL FILL	—MA—	MEDICAL AIR	—VCD—	VACUUM CLEANING (HOUSE)	CONN	CONNECT; CONNECTION	HP	HEAT PUMP	PRS	PRESSURE REDUCING STATION	WH	WATER HEATER
—FOR—	FUEL OIL RETURN	—MPR—	MEDIUM PRESSURE CONDENSATE	—VPD—	VACUUM PUMP DISCHARGE	CONT.	CONTINUE; CONTINUATION	HRU	HEAT RECOVERY UNIT	RD	ROOF DRAIN	WHYD	WALL HYDRANT
—FOS—	FUEL OIL SUPPLY	—MPS—	MEDIUM PRESSURE STEAM	—W—	SANITARY SOIL WASTE - ABOVE FLOOR	COORD.	COORDINATE	HVAC	HEATING, VENTILATING AND AC	RHC	REHEAT COIL		
—FOV—	FUEL OIL TANK VENT	—MUW—	MAKE-UP WATER	--W--	SANITARY SOIL WASTE - BELOW GRADE	CTE	CONNECT TO EXISTING	HW	HOT WATER	RM	ROOM		
—FW—	FEEDWATER	—N2—	NITROGEN	—WV—	SANITARY WET VENT - ABOVE FLOOR	CTR	CENTER	HWR	HOT WATER RETURN	RPZ	REDUCED PRESSURE BFP		
—GR—	GLYCOL RETURN	—NG—	NATURAL GAS	--WV--	SANITARY WET VENT - BELOW GRADE	CU	COPPER; CONDENSING UNIT	HWS	HOT WATER SUPPLY	RR	RETURN REGISTER		
—GS—	GLYCOL SUPPLY	—NO—	NITROUS OXIDE			DDC	DIRECT DIGITAL CONTROL	HX	HEAT EXCHANGER	RV	RELIEF VALVE		
—GW—	GREASE WASTE	—NPW—	NON-POTABLE WATER			DIC	DOWN IN CHASE	INCL.	INCLUDING	RW	RAIN WATER		
—GWR—	GEO THERMAL WATER RETURN	—OX—	OXYGEN			DIW	DOWN IN WALL	LP	LIQUID PETROLEUM GAS	S	SUPPLY AIR		
—GWS—	GEO THERMAL WATER SUPPLY	—PC—	PUMPED CONDENSATE			DN	DOWN	LPR	LOW PRESSURE STEAM RETURN	SA-" "	SHOCK ABSORBER OF PDI SIZE (" ") AS INDICATED		
—H—	HUMIDIFICATION LINE	—PCWR—	PROCESS COLD WATER RETURN			EF	EXHAUST FAN	LPS	LOW PRESSURE STEAM SUPPLY	SCV	SELF-CONTAINED VALVE		
—H2—	HYDROGEN GAS	—PCWS—	PROCESS COLD WATER SUPPLY			ELEV	ELEVATION	MAX	MAXIMUM				
		—RD—	REFRIGERANT DISCHARGE										

A1 PIPING LINETYPE LEGEND **A5 ABBREVIATIONS**

Scale: 12" = 1'-0"				Designed by:																THE GOLD STAR MEMORIAL HIGHWAY				CONTRACT 2023.06 YORK VEHICLE STORAGE GARAGE PLUMBING AND HVAC NOTES, LEGEND AND ABBREVIATIONS			
Scale: 12" = 1'-0"				Anthony S. Davis, P.E.																							
No.	Revision	By	Date	By	Date	Checked:	By	Date	AEI PROJ.NO.: 20020 CAD FILE:				MTA PROJECT MANAGER: Brian A. Taddeo, P.E.				CONTRACT: 2023.06				24 OF 33						



A1 SANITARY PIPING PLAN
 1/8" = 1'-0"

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

No.	Revision	By	Date

Designed by: *[Signature]*
 ANTHONY S. DAVIS, P.E.
 ISSUED FOR BID - NOT FOR CONSTRUCTION

By	Date	By	Date
Designed:	HAG 03/28/23	Checked:	ASD 03/28/23
Drawn:	REW 03/28/23		

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Brian A. Taddeo, P.E.

CONTRACT 2023.06
 YORK VEHICLE STORAGE GARAGE
 SANITARY PIPING PLAN

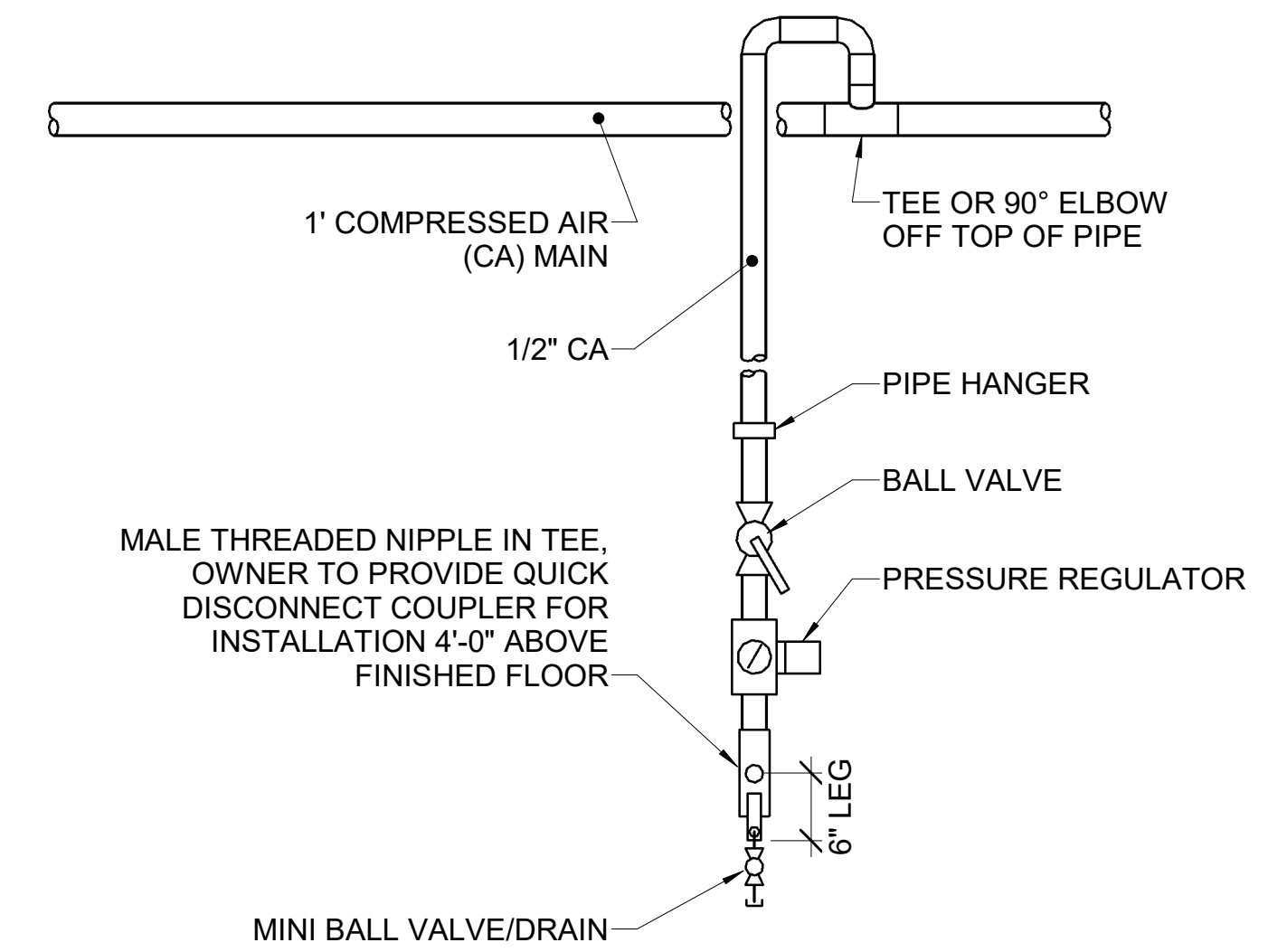
SHEET NUMBER: PL-100
 CONTRACT: 2023.06
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EXPANSION TANK SCHEDULE	
SYSTEM	DOMESTIC HOT WATER
PIPE SIZE	3/4"
BLADDER-TYPE EXPANSION TANK	
MFR-MODEL	AMTROL ST-5
TANK DIAMETER	8
TANK HEIGHT	13
ACCEPTANCE VOLUME	2
WEIGHT LBS	5

ELECTRIC WATER HEATER SCHEDULE											
TAG	MANUFACTURER	MODEL	VOLTS	PHASE	HEAT INPUT (KW)	GPH RECOVERY	TEMP RISE (DEG-F)	WATER STORAGE (GAL)	HEIGHT (INCHES)	DIAMETER (INCHES)	APPROX WEIGHT (LBS.)
WH-1	AO SMITH	EJC-10	120	1	1.65	8	90	10	18	16	130

Note: Water Heater suspended in wall pan shelf equal to Holdrite #30-SWHP-M

AIR COMPRESSOR SCHEDULE														
TAG	MANUFACTURER	MODEL	TYPE	MAXIMUM FLOW EA. PUMP (acfm)	MAXIMUM PUMP PRESS. (psig)	RECEIVER			ELECTRICAL			PHYSICAL	NOTES	
						SIZE (gal.)	RECEIVER TYPE	DIA. (in.)	MOTOR QUAN.	MOTOR SIZE (hp)	MOTOR SPEED (rpm)	VOLT/PH		LENGTH/ WIDTH/ HEIGHT (in.)
AC-1	INGERSOLL RAND	2475N7.5	2-STAGE RECIP	24	175	80	VERTICAL	38	1	7.5	---	208/3	28/38/69	

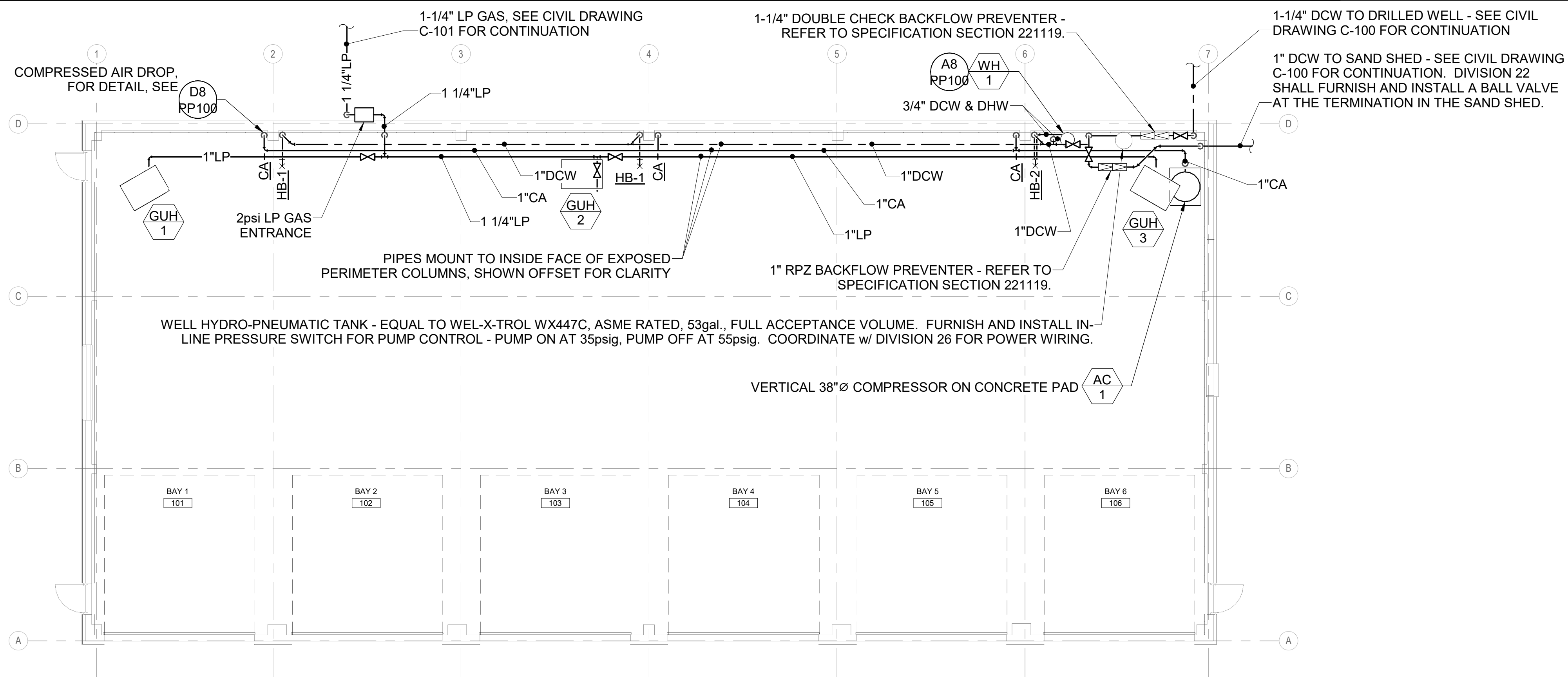


D1 PLUMBING SCHEDULES

NONE

D8 DETAIL ~ COMPRESSED AIR TOOL CONNECTION PIPING

NOT TO SCALE



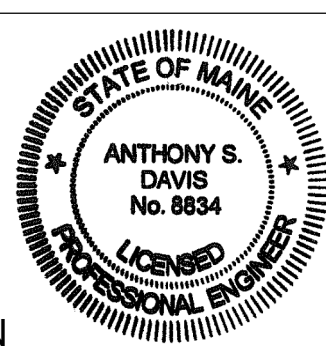
A1 DOMESTIC PIPING PLAN

1/8" = 1'-0"

No.	Revision	By	Date

Designed by:

Anthony S. Davis



ANTHONY S. DAVIS, P.E.

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**THE GOLD STAR
MEMORIAL HIGHWAY**

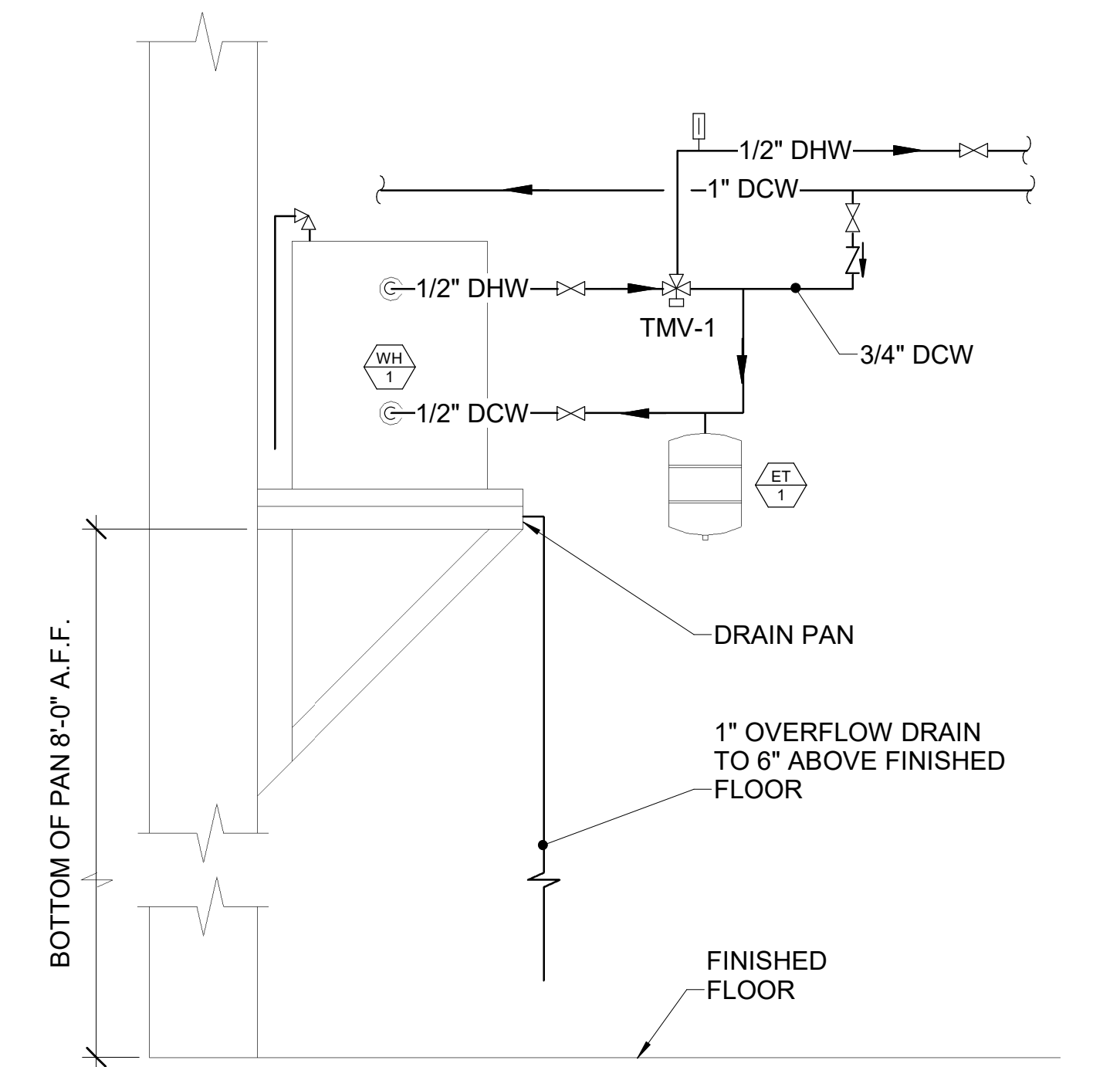
AEI PROJ.NO.: 20020 CAD FILE:

MTA PROJECT MANAGER:

Brian A. Taddeo, P.E.

A8 DETAIL - DOMESTIC WATER HEATER PIPING SCHEMATIC - WH-1

NOT TO SCALE



**CONTRACT 2023.06
YORK VEHICLE STORAGE GARAGE
DOMESTIC PIPING PLAN**

SHEET NUMBER: PP-100

CONTRACT: 2023.06

26 OF 33

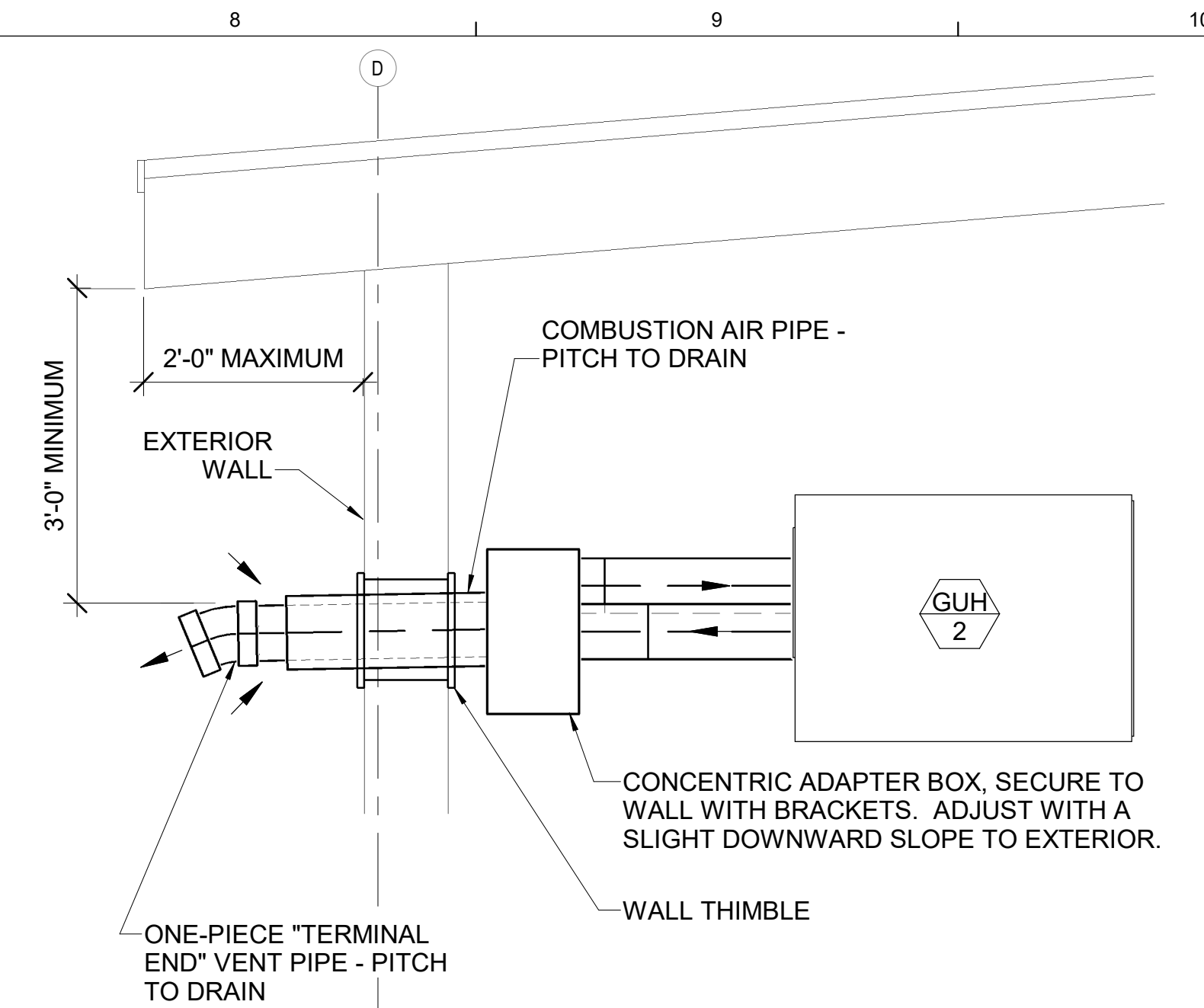
LOUVER SCHEDULE													
TAG	MAKE - MODEL	AIR SYSTEM	DUTY	CFM	DIMENSIONS					BEGINNING POINT OF WATER PENETRATI...	MAX P.D. MAX W.C.	SCREEN	NOTES
					HEIGHT (IN.)	WIDTH (IN.)	MIN. FREE AREA (SF)	NET VELOCITY (FT/MIN)	% FREE AREA				
L-1	RUSKIN ELF445DX	EF-1	INTAKE	9,100	72	72	18	505.6	50.0%	4"	873 FPM	0.06	SEE SPEC

FAN SCHEDULE													
TAG	SERVES	MANUFACTURER-MODEL	TYPE	DRIVE	CFM	ESP	MOTOR HP	VOLTS/PH	VFD	MAX SONES	DAMPER	WEIGHT (LBS.)	NOTES
EF-1	GARAGE EXHAUST	LOREN COOK - 30XMWH	WALL MOUNT w/HOOD	DIRECT	9,100	0.5	2	208/3	YES	33.0	MOD	500	1,2,3,4,5
DF-1 thru 3	DESTRATIFICATION	ZOO FANS H60 PREMIUM	DESTRAT. FAN	DIRECT	1,500	--	106w	115/1	NO	--	N/A	23	2

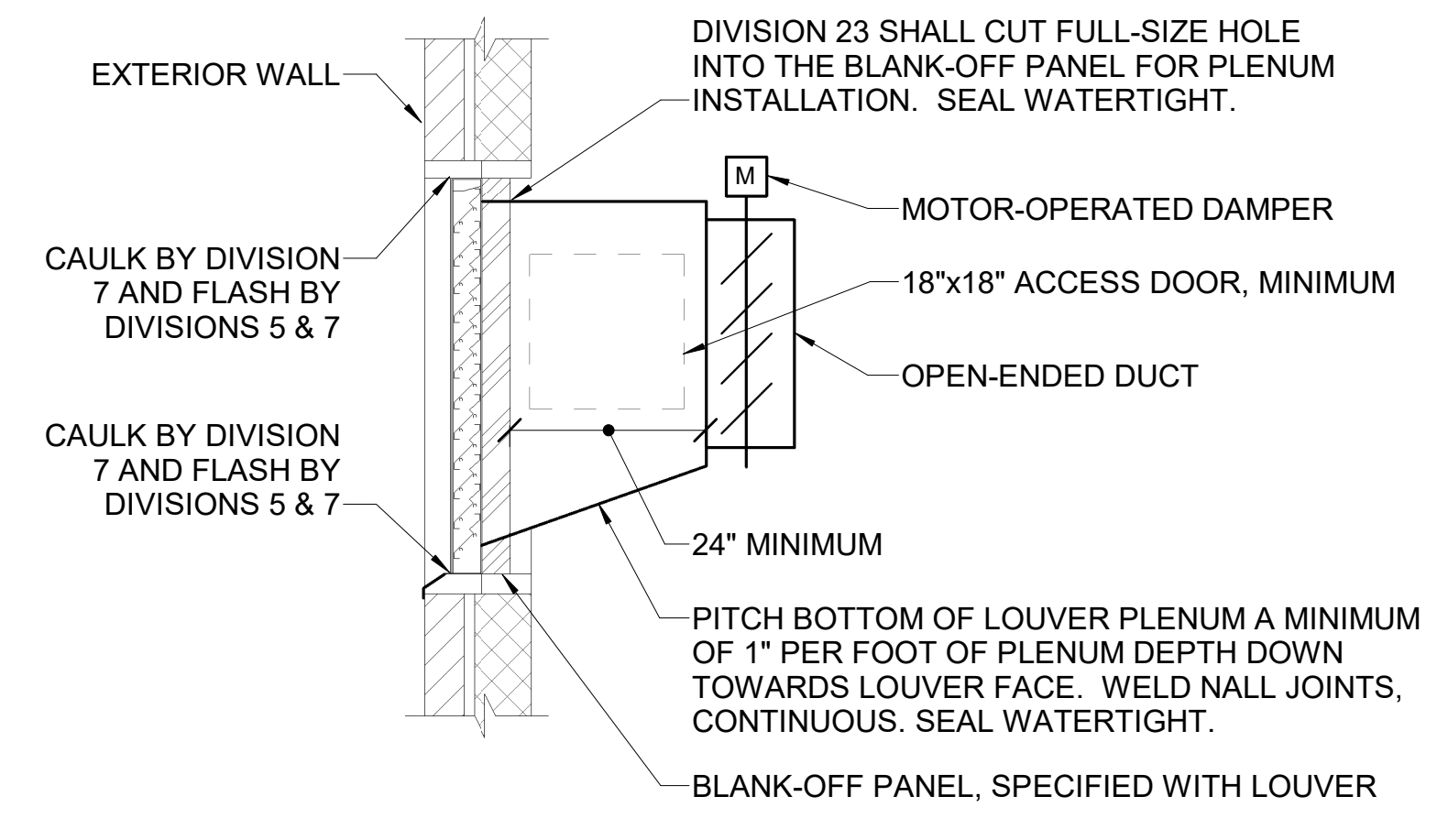
NOTES:
1. PROVIDE UNIT MOUNTED FACTORY DISCONNECT SWITCH AND STARTER.
2. PROVIDE WALL MOUNTED VARIABLE SPEED CONTROLLER.
3. INTERLOCK WITH LOUVER AND EF MOD'S
4. PROVIDE WALL-MOUNTED TIMER SWITCH AS MANUFACTURED BY INTERMATIC - MODEL No. EF2H OR EQUAL. COORDINATE w/ DIVISION 26 FOR OPERATION AS SPECIFIED.
5. PROVIDE WALL-MOUNTED VARIABLE SPEED CONTROLLER AS MANUFACTURED BY DAYTON - MODEL No. 13E638.

LP GAS FIRED SEALED COMBUSTION UNIT HEATER SCHEDULE																			
TAG	SERVES	MFR -MODEL	SIZE	TYPE	EXPOSED FACE DIM.	DEPTH DIM.	WEIGHT LBS	INPUT MBH	OUTPUT MBH	DISCHARGE TEMP RISE	GAS PRESSURE RANGE (MIN-MAX)	GAS CONN. SIZE	CFM	VENT CONN.	COMB. AIR	MOTOR HP	MOP (AMPS)	ELECT	NOTES
GUH - 1	GARAGE	REZNOR - UD2	300	LP GAS FIRED SEPARATED COMBSTN	41" x 34"	48"	331	300	249	50-60F	7" -14"	3/4"	3840	6"	6"	1/2	20	115/160	1,2
GUH - 2	GARAGE	REZNOR - UD2	300	LP GAS FIRED SEPARATED COMBSTN	41" x 34"	48"	331	300	249	50-60F	7" -14"	3/4"	3840	6"	6"	1/2	20	115/160	1,2
GUH - 3	GARAGE	REZNOR - UD2	300	LP GAS FIRED SEPARATED COMBSTN	41" x 34"	48"	331	300	249	50-60F	7" -14"	3/4"	3840	6"	6"	1/2	20	115/160	1,2

NOTES: 1. Standard Built-in (20A) Disconnect Switch
2. Concentric Venting



D8 DETAIL - GAS FIRED UNIT HEATER CONCENTRIC VENTING
NOT TO SCALE TYPICAL FOR GUH-1 - GUH-3

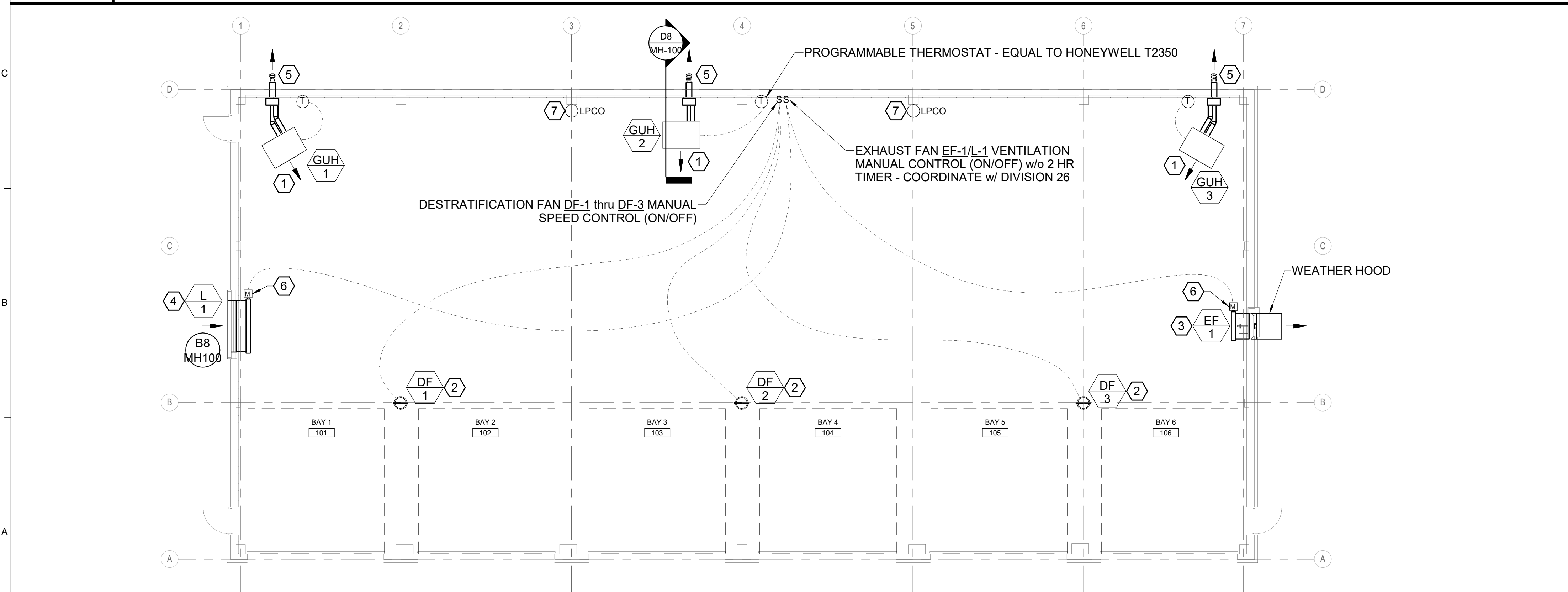


B8 DETAIL - EXTERIOR LOUVER
NOT TO SCALE

- 1 MOUNT UNIT HIGH AS POSSIBLE, TIGHT TO ROOF STRUCTURE, MAINTAINING MANUFACTURER'S MINIMUM RECOMMENDED CLEARANCES - APPROXIMATELY 13'-0" ABOVE FINISHED FLOOR.
- 2 BOTTOM OF FAN = 14'-0" ABOVE FINISHED FLOOR.
- 3 BOTTOM OF FAN = 9'-6" ABOVE FINISHED FLOOR.
- 4 BOTTOM OF LOUVER = 9'-0" ABOVE FINISHED FLOOR.
- 5 CONCENTRIC 6" EXHAUST VENT / 8" OUTSIDE AIR VENT THRU EXTERIOR WALL.
- 6 LINE VOLTAGE MOD - COORDINATE w/ DIVISION 26.
- 7 LP GAS AND CARBON MONOXIDE SENSOR - EQUAL TO MINI MERLIN LPGCO OR EQUAL, 120V AC, 90 mA MAX, 500-10,000 PPM MEASURING RANGED FOR LP GAS, 0-1,000 PPM FOR CO. GAS VALUE PRE-ALARM => 8% LEL FOR LP GAS, 20 PPM FOR CO. GAS VALUE ALARM => 10% LEL FOR LP GAS, 20 PPM AFTER 2 HRS / 50 PPM AFTER 1 HR / 100 PPM AFTER 10 MIN / 300 PPM AFTER 1 MIN FOR CO.

A8 KEYED NOTES
NONE

D1	MECHANICAL SCHEDULES
NONE	



A1 MECHANICAL PLAN
1/8" = 1'-0"

Scale: As indicated

Designed by: *Anthony S. Davis*

ANTHONY S. DAVIS, P.E.
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By: HAG Date: 03/28/23
Checked: ASD Date: 03/28/23
Drawn: REW Date: 03/28/23

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MAINE TURNPIKE

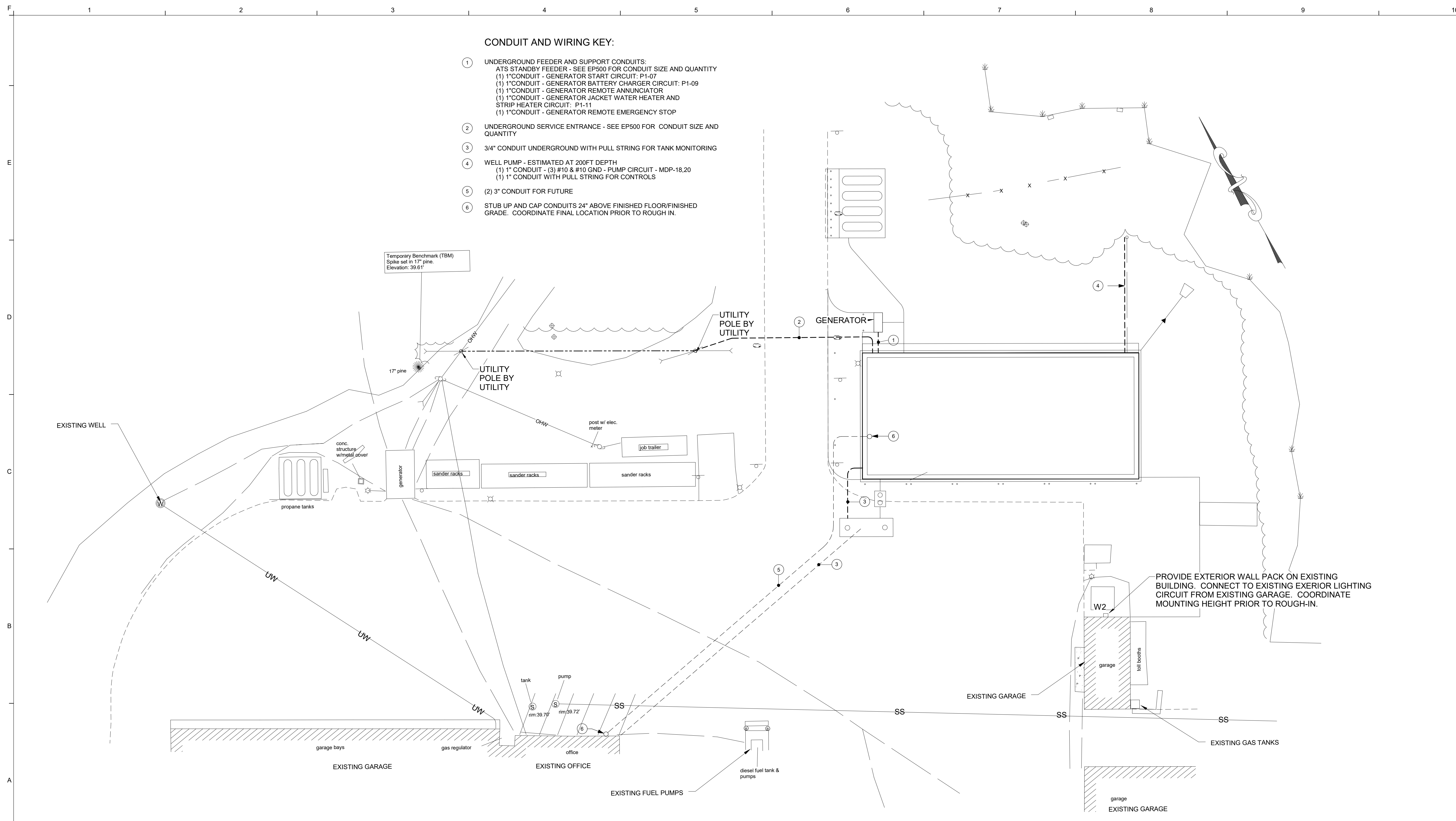
THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Brian A. Taddeo, P.E.

CONTRACT 2023.06
YORK VEHICLE STORAGE GARAGE
MECHANICAL PLAN

SHEET NUMBER: MH-100

CONTRACT: 2023.06
27 OF 33



- CONDUIT AND WIRING KEY:**
- ① UNDERGROUND FEEDER AND SUPPORT CONDUITS:
 ATS STANDBY FEEDER - SEE EP500 FOR CONDUIT SIZE AND QUANTITY
 (1) 1" CONDUIT - GENERATOR START CIRCUIT: P1-07
 (1) 1" CONDUIT - GENERATOR BATTERY CHARGER CIRCUIT: P1-09
 (1) 1" CONDUIT - GENERATOR REMOTE ANNUNCIATOR
 (1) 1" CONDUIT - GENERATOR JACKET WATER HEATER AND STRIP HEATER CIRCUIT: P1-11
 (1) 1" CONDUIT - GENERATOR REMOTE EMERGENCY STOP
 - ② UNDERGROUND SERVICE ENTRANCE - SEE EP500 FOR CONDUIT SIZE AND QUANTITY
 - ③ 3/4" CONDUIT UNDERGROUND WITH PULL STRING FOR TANK MONITORING
 - ④ WELL PUMP - ESTIMATED AT 200FT DEPTH
 (1) 1" CONDUIT - (3) #10 & #10 GND - PUMP CIRCUIT - MDP-18,20
 (1) 1" CONDUIT WITH PULL STRING FOR CONTROLS
 - ⑤ (2) 3" CONDUIT FOR FUTURE
 - ⑥ STUB UP AND CAP CONDUITS 24" ABOVE FINISHED FLOOR/FINISHED GRADE. COORDINATE FINAL LOCATION PRIOR TO ROUGH IN.

A1 ELECTRICAL SITE PLAN

1" = 20'-0"

Scale:
1" = 20'-0"

No.	Revision	By	Date

Designed by:
ANTHONY S. DAVIS, P.E.

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By	Date	By	Date
Designed: CAF	03/28/23	Checked: CAF	03/28/23
Drawn: REW	03/28/23		

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Brian A. Taddeo, P.E.

CONTRACT 2023.06
YORK VEHICLE STORAGE GARAGE
ELECTRICAL SITE PLAN

SHEET NUMBER: ES100

CONTRACT: 2023.06

28 OF 33

A	AMPERE	MC	MICROPHONE
AC	ALTERNATING CURRENT	MW	MICROWAVE
AFF	ABOVE FINISHED FLOOR	MLO	MAIN LUG ONLY
AFG	ABOVE FINISHED GRADE	MT	MOUNT
AHU	AIR HANDLING UNIT	MTS	MANUAL TRANSFER SWITCH
AIC	AMPERES INTERRUPTING CAPACITY	MCP	MOTOR CONTROL PANEL
ATS	AUTOMATIC TRANSFER SWITCH	MH	METAL HALIDE
AWG	AMERICAN WIRE GAUGE	MDP	MAIN DISTRIBUTION PANEL
BAS	BUILDING AUTOMATION SYSTEM	MIN	MINIMUM
BKBD	BACKBOARD	N	NEUTRAL
C	CONDUIT	NC	NORMALLY CLOSED
CAT	CATALOG, CATEGORY	NEC	NATIONAL ELECTRICAL CODE
CATV	CABLE TV	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
CB	CIRCUIT BREAKER	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
CCTV	CLOSED CIRCUIT TELEVISION	NIC	NOT IN CONTRACT
CM	CIRCULAR MILS	NF	NON-FUSED
COMM	COMMUNICATIONS	NO	NORMALLY OPEN
CU	MECH CONDENSING UNIT	NO., #	NUMBER
CU	COPPER	NTS	NOT TO SCALE
CUH	CABINET UNIT HEATER	OC	ON CENTER
CR	CORD REEL		
DC	DIRECT CURRENT	OCC	OCCUPANCY
DDC	DIGITAL DIRECT CONTROL	OH	OVERHEAD
DN	DOWN	P	POLE
DW	DISHWASHER	PA	PUBLIC ADDRESS
DWG	DRAWING	PB	PULLBOX
EF	EXHAUST FAN	PH, Ø	PHASE
ELEV	ELEVATOR	PIR	PASSIVE INFRARED
EMT	ELECTRICAL METALLIC TUBING	PNL	PANELBOARD
EP	EXPLOSION PROOF	P/O	PART OF
ERU	ENERGY RECOVERY UNIT	PV	PHOTOVOLTAIC
EWC	ELECTRIC WATER COOLER	PVC	POLY-VINYL CHLORIDE
FACP	FIRE ALARM CONTROL PANEL	REC	RECEPTACLE
FB	FLOOR BOX	REF	REFRIGERATOR
FLA	FULL LOAD AMPS	RF	RETURN FAN
FWE	FURNISHED WITH EQUIPMENT	RGS	RIGID GALVANIZED STEEL
G, GND	GROUND	RM	ROOM
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	RMC	RIGID METAL CONDUIT
GFP	GROUND FAULT PROTECTION	RTU	ROOFTOP UNIT
HID	HIGH INTENSITY DISCHARGE	REF	REFRIGERATOR
HOA	HAND-OFF-AUTO SELECTOR SWITCH	SF	SUPPLY FAN
HP	HORSEPOWER	SPDT	SINGLE POLE, DOUBLE THROW
HVAC	HEATING, VENTILATION AND COOLING UNIT	SQ	SQUARE
IDS	INTRUSION DETECTION SYSTEM	TEL	TELEPHONE
IG	ISOLATED GROUND	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
IMC	INTERMEDIATE METAL CONDUIT	TYP	TYPICAL
IR	INFRARED	UF	UNDER FLOOR
K	KILO	UG	UNDERGROUND
KCMIL	KILO CIRCULAR MILS	UH	UNIT HEATER
KW	KILOWATT	UL	UNDERWRITER'S LABORATORY
KVA	KILO VOLT-AMPS	UNO	UNLESS NOTED OTHERWISE
LAN	LOCAL AREA NETWORK	UPS	UNINTERRUPTIBLE POWER SUPPLY
LC	LIGHTING CONTACTOR	V	VOLTS
LF	LINEAR FEET	VFD	VARIABLE FREQUENCY DRIVE
LC	LOADCENTER	W	WATT
LCP	LIGHTING CONTROL PANEL	WP	WEATHERPROOF
LED	LIGHT EMITTING DIODE	WG	WIREGUARD
LTG	LIGHTING	XFMR	TRANSFORMER
LTS	LIGHTS		
MAX	MAXIMUM	(E)	EXISTING ITEM TO REMAIN
MCB	MAIN CIRCUIT BREAKER	(R)	REMOVE ITEM AND DISPOSE OF PROPERLY
MECH	MECHANICAL	(ER)	RELOCATED ITEM AT NEW LOCATION
MH	MOUNTING HEIGHT	(RL)	REMOVE AND RELOCATE

SWITCHES

- \$a LIGHT SWITCH, 20A, 125/277V
- \$3 THREE-WAY LIGHT SWITCH
- \$4 FOUR-WAY LIGHT SWITCH
- \$2 TWO-POLE SWITCH
- \$M MOTOR RATED SWITCH WITH THERMAL OVERLOAD
- \$P SINGLE POLE SWITCH WITH RED PILOT LIGHT ~ RED LIGHT SHALL GLOW WHEN CIRCUIT IS ENERGIZED
- \$a MULTI-GANGED SWITCHES, GANG UNDER ONE PLATE, LETTER INDICATES SWITCHING
- \$b
- \$os OCCUPANCY SENSOR SWITCH, WALL MOUNTED
- OS OCCUPANCY SENSOR, CEILING MOUNTED
- OS- OCCUPANCY SENSOR, WALL MOUNTED
- \$Lv LOW VOLTAGE LIGHT SWITCH, MOMENTARY CONTACT GROUPS
- \$Lvb LOW VOLTAGE LIGHT SWITCH CONTROLLING MULTIPLE LIGHTING
- LTC LIGHTING TIME CLOCK
- LC LIGHTING CONTACTOR
- LCP LIGHTING CONTROL PANEL
- PC OUTDOOR PHOTOELECTRIC SWITCH

NOTES:

1. MOUNT LIGHT SWITCHES WITH CENTERLINE 54" AFF, UNO
2. LOWER CASE LETTER AT SWITCH INDICATES SWITCHING

EMERGENCY LIGHTING

- EM HATCHING INDICATES EGRESS FIXTURE WITH BATTERY BALLAST ~ "EM" INDICATES EMERGENCY WHERE SYMBOL HATCHING IS UNCLEAR
- EXIT SIGN, CEILING MOUNTED, SHADING INDICATES FACE(S) ARROWHEAD INDICATES CHEVRON(S) REQUIRED, CONNECT TO UNSWITCHED PORTION OF AREA LIGHTING BRANCH CIRCUIT, U.N.O.
- EXIT SIGN, WALL MOUNTED, SHADING INDICATES FACE(S) MOUNT AT 7'-6" AFF OR OVER DOOR, CONNECT TO UNSWITCHED PORTION OF AREA LIGHTING BRANCH CIRCUIT, U.N.O.
- INV CENTRAL LIGHTING INVERTER

REFER TO LUMINAIRE SCHEDULE FOR FIXTURE TYPES

TYPICAL FOR ALL FIXTURE TYPES :

- R1 INDICATES LUMINAIRE TYPE ON SCHEDULE
- a LOWER CASE LETTER INDICATES SWITCH GROUP

SINGLE RECEPTACLES

- MOUNT 54" AFF U.N.O.
- REFER TO SPECIAL RECEPTACLE SCHEDULE
- CD OVERHEAD SINGLE RECEPTACLE CORD DROP

NOTE:

PROVIDE MATCHING CORD AND PLUG FOR SINGLE RECEPTACLES FOR NEW EQUIPMENT AND WHERE NOTED FOR RELOCATED EQUIPMENT

FLOOR AND CEILING DEVICES

- F DUPLICATION RECEPTACLE, 20A, 125V, 2P, 3W, NEMA 5-20R, MOUNT IN FLUSH FLOOR BOX
- F DOUBLE DUPLICATION RECEPTACLE, 20A, 125V, 2P, 3W, NEMA 5-20R, MOUNT IN FLUSH FLOOR BOX
- P DUPLICATION RECEPTACLE, PEDESTAL MOUNTED
- P SINGLE RECEPTACLE, PEDESTAL MOUNTED
- C DUPLICATION RECEPTACLE, FLUSH MOUNTED IN CEILING
- C DOUBLE DUPLICATION RECEPTACLE, FLUSH MOUNTED IN CEILING
- C DUPLICATION GFCI RECEPTACLE, FLUSH MOUNTED IN CEILING
- C DOUBLE DUPLICATION GFCI RECEPTACLE, FLUSH MOUNTED IN CEILING
- CR OVERHEAD RECEPTACLE DROP, DUPLEX ~ CR= CORD REEL
- CR OVERHEAD RECEPTACLE DROP, DOUBLE DUPLICATION ~ CR= CORD REEL
- CR OVERHEAD RECEPTACLE DROP, GFCI ~ CR= CORD REEL
- J2 2-GANG JUNCTION BOX IN FLUSH FLOOR BOX

RECEPTACLES

- DUPLICATION RECEPTACLE ~ 20A, 125V, 2P, 3W, NEMA 5-20R
- DOUBLE DUPLICATION RECEPTACLE
- GFCI DUPLICATION RECEPTACLE, MOUNT 40" AFF UNO
- GFCI DOUBLE DUPLICATION RECEPTACLE, MOUNT 40" AFF UNO
- EWC GFCI RECEPTACLE FOR ELECTRIC WATER COOLER - COORDINATE LOCATION WITH DIVISION 22.
- WP GFCI RECEPTACLE WITH WEATHERPROOF COVER
- WP GFCI RECEPTACLE IN WP ENCLOSURE ON ROOF

NOTES:

1. MOUNT RECEPTACLES WITH CENTERLINE 45" AFF UNO
2. MOUNT EXTERIOR RECEPTACLES WITH CENTERLINE 40" AFG UNO

POWER DISTRIBUTION

- PANELBOARD ~ SURFACE MOUNTED
- PANELBOARD ~ FLUSH MOUNTED
- AS AF FUSED DISCONNECT SWITCH
- NON-FUSED DISCONNECT SWITCH
- 00 MOTOR STARTER ~ NUMBER INDICATES NEMA SIZE
- 00 COMBINATION MOTOR STARTER/FUSED DISCONNECT
- MOTOR OR FAN
- M METER AND CABINET
- JUNCTION BOX
- JUNCTION BOX ~ WALL MOUNTED
- DOUBLE GANG JUNCTION BOX ~ WALL MTD 18" AFF
- JUNCTION BOX ~ FLUSH CEILING MOUNTED
- JUNCTION BOX ~ PEDESTAL MOUNTED
- TRANSFORMER ~ NUMBER INDICATES DESIGNATION SEE TRANSFORMER SCHEDULE
- VARIABLE FREQUENCY DRIVE
- TVSS TRANSIENT VOLTAGE SURGE SUPPRESSOR
- POWER SHUTOFF SWITCH ~ WALL MOUNTED 48" TO CENTER LINE
- CONDUIT TURNING UP
- CONDUIT TURNING DOWN
- WIRING UNDERGROUND OR UNDERSLAB
- WIRING OVERHEAD
- HOMERUN ~ (2)#12+(1)#12G UNO (EXCEPT LIGHTING CIRCUITS: (1)#12+(1)#10N+(1)#12G UNO)
- SINGLE-PHASE HOMERUN OR MULTIPLE HOMERUN UTILIZING THE SAME CONDUIT
- 3-PHASE HOMERUN OR MULTIPLE HOMERUN UTILIZING THE SAME CONDUIT
- FLEXIBLE CONNECTION
- GROUNDING SYSTEM
- MOTORIZED DOOR OPERATOR AND PUSH PADDLE ~ FURNISHED BY DIV 08, WIRED BY DIV 26
- ENCLOSED CIRCUIT BREAKER
- ATS AUTOMATIC TRANSFER SWITCH
- HAND DRYER, COORDINATE HEIGHT WITH ARCHITECTURAL PLANS
- ENCLOSED CONTACTOR
- OVERHEAD DATA DROP
- DATA OUTLET FLUSH IN CEILING

DOOR LOCK ~ PROVIDE EMPTY 1/2" RECESSED CONDUIT WITH PULL STRING IN DOOR FRAME, RUN FROM DOOR LOCK LOCATION IN FRAME TO DOOR LOCK POWER LOCATION.

DOOR LOCK POWER ~ POWER SUPPLIES BY OTHERS.

NOTES:

1. DOOR HARDWARE BY DIV 8 U.N.O.
2. LOW VOLTAGE WIRING AND DEVICES BY OWNER UNLESS NOTED OTHERWISE.
3. CONDUITS SHALL BE RUN CONCEALED FROM EACH OUTLET BOX OR TERMINATION TO 6" ABOVE THE NEAREST ACCESSIBLE CORRIDOR CEILING THAT IS CONTIGUOUS TO THE NEAREST IT ROOM, J-HOOK OR CABLE TRAY PATHWAY, UNO. IN ROOMS WITHOUT CEILINGS, CONDUIT SHALL BE RUN AT UNDERSIDE OF DECK TO 6" ABOVE THE NEAREST ACCESSIBLE CORRIDOR CEILING THAT IS CONTIGUOUS TO THE NEAREST IT ROOM, J-HOOK OR CABLE TRAY PATHWAY, UNO. CONDUIT PATHWAYS SHALL BE PROVIDED FOR ANY PORTIONS OF THE PATH TO NEAREST IT ROOM, J-HOOK, OR CABLE TRAY THAT HAS EXPOSED DECK OR HAS INACCESSIBLE CEILINGS.
4. DIVISION 26 SHALL PROVIDE 120 VOLT POWER WHERE INDICATED. DIV 26 SHALL PROVIDE EMPTY BOXES AND CONDUITS WITH PULL STRING U.N.O.

A1	ABBREVIATIONS	A3	LIGHTING	A5	RECEPTACLES	A7	POWER DISTRIBUTION	A9	SECURITY LEGEND
NONE		NONE		NONE		NONE			

Scale: 12" = 1'-0"

No.	Revision	By	Date

Designed by: ANTHONY S. DAVIS, P.E.

ISSUED FOR BID - NOT FOR CONSTRUCTION

By	Date	By	Date
Designed:	CAF 03/28/23	Checked:	CAF 03/28/23
Drawn:	REW 03/28/23		

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AEI PROJ.NO.: 20020 CAD FILE:

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Brian A. Taddeo, P.E.

CONTRACT 2023.06
YORK VEHICLE STORAGE GARAGE
ELECTRICAL LEGEND

SHEET NUMBER: E000

CONTRACT: 2023.06

29 OF 33

VOLTAGE DROP CHART			
MAXIMUM LOAD (VA)	MAXIMUM LENGTH PER CONDUCTOR...		
	#12	#10	#8
120 VOLT CIRCUITS			
800	155	245	390
1000	125	195	310
1200	105	165	260
1400	90	140	220
1600	80	125	195
1800	70	110	175
277 VOLT CIRCUITS			
2000	330	525	830
2500	265	420	665
3000	220	350	555
3500	190	300	475
4000	165	260	415

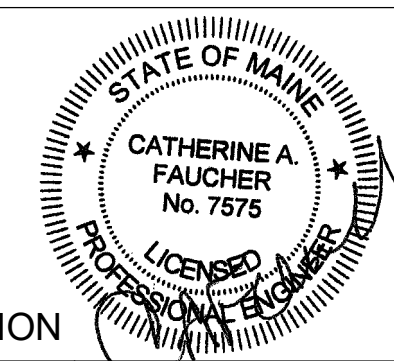
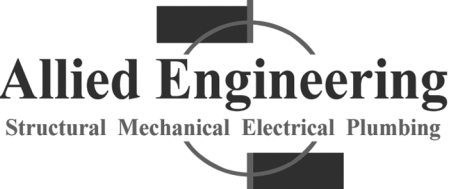

BRANCH CIRCUITS SCHEDULE	
CIRCUIT BREAKER	CONDUCTOR
120 OR 277 VOLT, 1 PH., 2W CIRCUITS	
15A-1P, 20A-1P	2#12 & 1#12 GND - 3/4" C.
30A-1P	2#10 & 1#10 GND - 3/4" C.
40A-1P	2#8 & 1#10 GND - 3/4" C.
50A-1P	2#6 & 1#10 GND - 3/4" C.
60A-1P	2#6 & 1#10 GND - 3/4" C.
208 OR 480 VOLT, 1PH., 2W CIRCUITS	
15A-2P, 20A-2P	2#12 & 1#12 GND - 3/4" C.
30A-2P	2#10 & 1#10 GND - 3/4" C.
40A-2P	2#8 & 1#10 GND - 3/4" C.
50A-2P	2#6 & 1#10 GND - 3/4" C.
60A-2P	2#6 & 1#10 GND - 3/4" C.
208 OR 480 VOLT, 3PH., 3W CIRCUITS	
15A-3P, 20A-3P	3#12 & 1#12 GND - 3/4" C.
30A-3P	3#10 & 1#10 GND - 3/4" C.
40A-3P	3#8 & 1#10 GND - 3/4" C.
50A-3P	3#6 & 1#10 GND - 3/4" C.
60A-3P	3#6 & 1#10 GND - 3/4" C.

BRANCH CIRCUIT SCHEDULE NOTES:

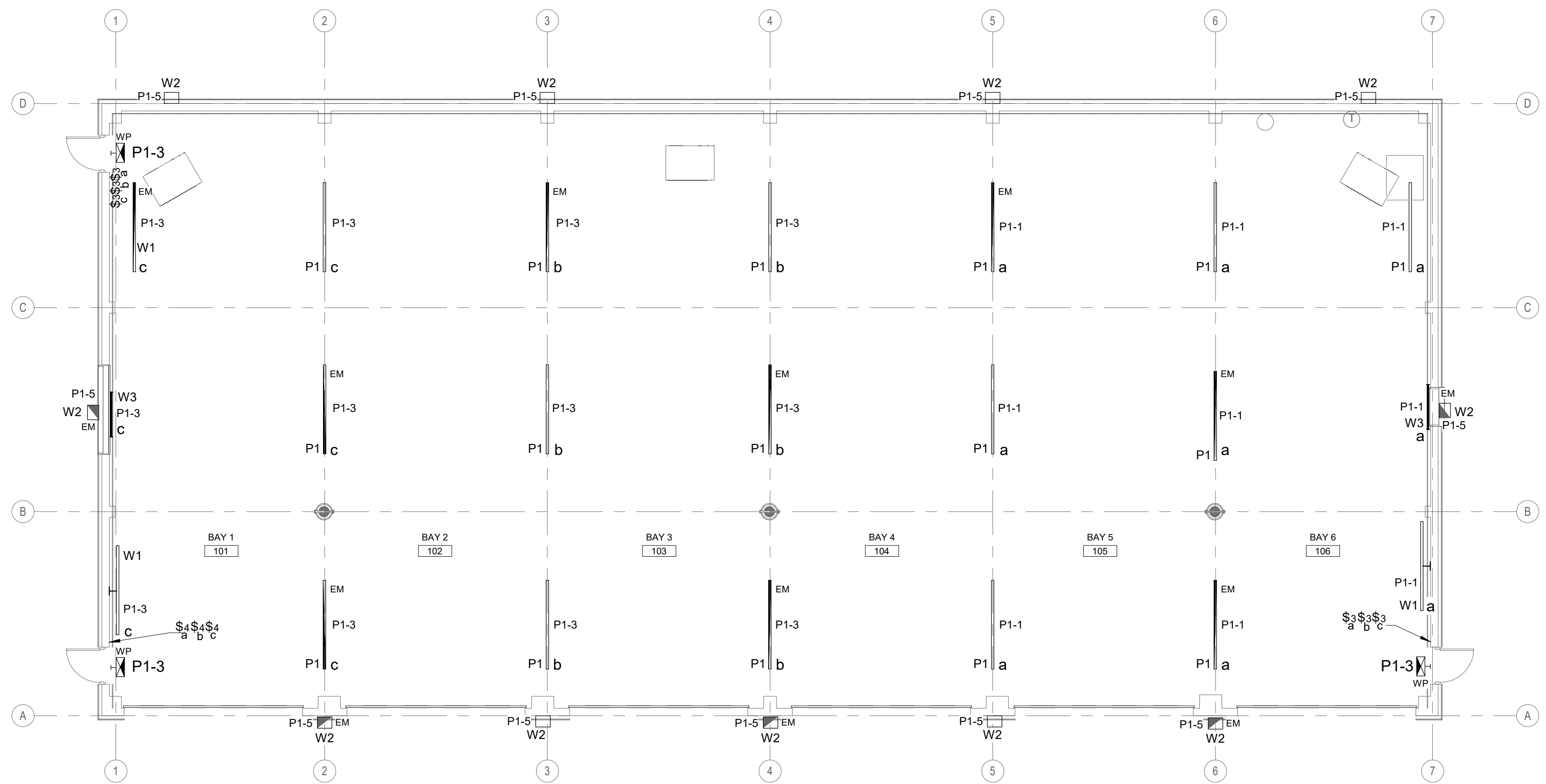
- TYPE MC CABLE SHALL INCLUDE FULL SIZE INSULATED GROUND CONDUCTOR. SIZES AS INDICATED IN SCHEDULE
- WIRING BASED ON MAXIMUM FEEDER LENGTH OF 150 FEET FOR 120 VOLT CIRCUITS AND 300 FEET FOR 277...
- UPGRADE WIRE AND CONDUIT SIZE AS REQUIRED TO ADDRESS VOLTAGE DROP

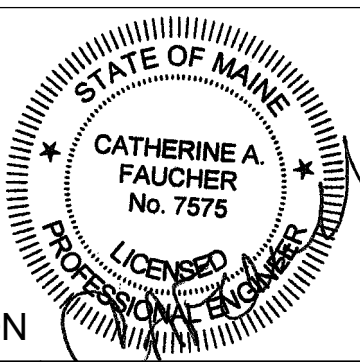
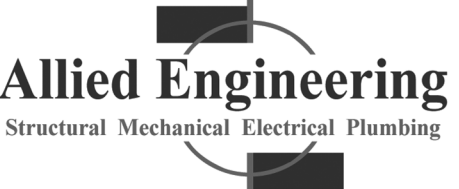

SPECIAL RECEPTACLE SCHEDULE				
TAG	NEMA	DESCRIPTION (SINGLE DEVICE)	OCPD	BRANCH CIRCUIT
A	5-15R	15A-125V,2P,3W	15A-1P	2#12 & 1#12GND - 3/4" C
B	5-20R	20A-125V,2P,3W	20A-1P	2#12 & 1#12GND - 3/4" C
C	5-30R	30A-125V,2P,3W	30A-1P	2#10 & 1#10GND - 3/4" C
D	5-50R	50A-125V,2P,3W	50A-1P	2#6 & 1#10GND - 3/4" C
E	6-20R	20A-250V,2P,3W	20A-2P	2#12 & 1#12GND - 3/4" C
F	L6-20R	20A-250V,2P,3W	20A-2P	2#12 & 1#12GND - 3/4" C
G	6-30R	30A-250V,2P,3W	30A-2P	2#10 & 1#10GND - 3/4" C
H	L6-50R	50A-250V,2P,3W-LOCKING	50A-2P	2#6 & 1#10GND - 3/4" C
I	14-20R	20A-125/250V,3P,4W	20A-2P	3#12 & 1#12GND - 3/4" C
J	14-30R	30A-125/250V,3P,4W	30A-2P	2#10 & 1#10GND - 3/4" C
K	14-50R	50A-125/250V,3P,4W	50A-2P	3#6 & 1#10GND - 1" C
L	14-60R	60A-125/250V,3P,4W	60A-2P	3#6 & 1#10GND - 1" C
M	L15-20R	20A-250V,3PH,3P,4W	20A-3P	3#12 & 1#12GND - 3/4" C
N	15-30R	30A-250V,3PH,3P,4W	30A-3P	3#10 & 1#10GND - 3/4" C
P	15-50R	50A-250V,3PH,3P,4W	50A-3P	3#6 & 1#10GND - 1" C
Q	15-60R	60A-250V,3PH,3P,4W	60A-3P	3#6 & 1#10GND - 1" C
R	L5-20R	20A-125V,2P,3W, TWIST LOCK	20A-1P	2#12 & 1#12GND - 3/4" C
S	L5-30R	30A-125V,2P,3W, TWIST LOCK	30A-1P	2#10 & 1#10GND - 3/4" C
T	L6-15R	15A-250V,2P,3W, TWIST LOCK	15A-2P	2#12 & 1#12GND - 3/4" C
U	L6-20R	20A-250V,2P,3W, TWIST LOCK	20A-2P	2#12 & 1#12GND - 3/4" C
V	L6-30R	30A-250V,2P,3W, TWIST LOCK	30A-2P	2#10 & 1#10GND - 3/4" C
W	L14-20R	20A -125/250V,3P,4W,TWIST LOCK	20A-2P	3#12 & 1#12GND - 3/4" C
X	L14-30R	30A -125/250V,3P,4W,TWIST LOCK	30A-2P	3#10 & 1#10GND - 3/4" C
Y	L16-20R	20A-480V, 3P,4W, TWIST LOCK	20A-3P	3#12 & 1#12GND - 3/4" C
Z	L11-20R	20A-250V, 3P,4W, TWIST LOCK	20A-3P	3#12 & 1#10GND - 3/4" C

A1 ELECTRICAL SCHEDULES

Scale:	Designed by: ANTHONY S. DAVIS, P.E.		 <p>160 Veranda Street Portland, Maine 04103 P: 207.221.2260 F: 207.221.2266 Web: www.allied-eng.com</p>	 <p>THE GOLD STAR MEMORIAL HIGHWAY</p>	<p>CONTRACT 2023.06 YORK VEHICLE STORAGE GARAGE ELECTRICAL GENERAL NOTES AND SCHEDULES</p>												
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>Revision</th> <th>By</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		No.	Revision	By	Date									ISSUED FOR BID - NOT FOR CONSTRUCTION		SHEET NUMBER: E001	
No.	Revision	By	Date														
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>By</th> <th>Date</th> <th>By</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>Designed: CAF</td> <td>03/28/23</td> <td>Checked: CAF</td> <td>03/28/23</td> </tr> <tr> <td>Drawn: REW</td> <td>03/28/23</td> <td> </td> <td> </td> </tr> </tbody> </table>		By	Date	By	Date	Designed: CAF	03/28/23	Checked: CAF	03/28/23	Drawn: REW	03/28/23			AEI PROJ.NO.: 20020 CAD FILE:		MTA PROJECT MANAGER: Brian A. Taddeo, P.E.	
By	Date	By	Date														
Designed: CAF	03/28/23	Checked: CAF	03/28/23														
Drawn: REW	03/28/23																
CONTRACT: 2023.06				30 OF 33													

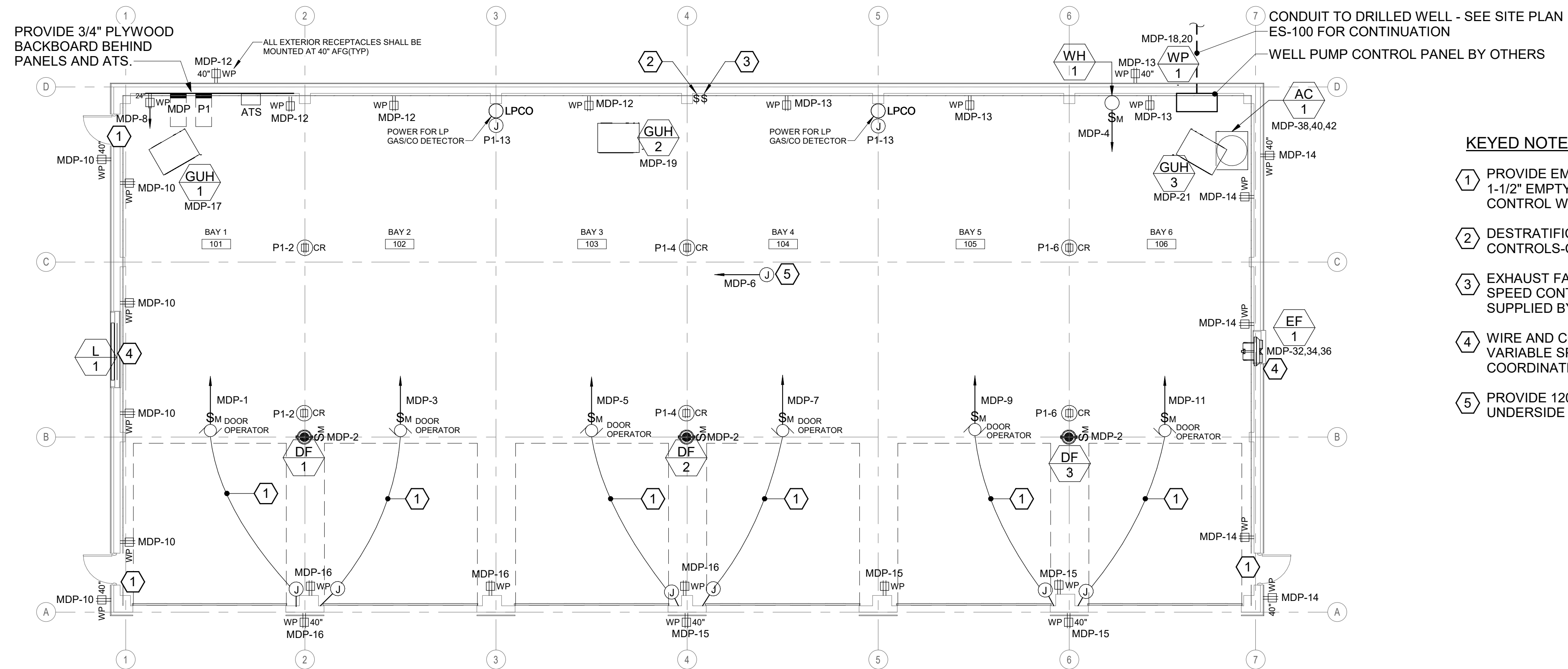
LUMINAIRE SCHEDULE- KEY NOTE 1,2									
TYPE	DESCRIPTION	MFR	CATALOG SERIES NUMBER - SEE KEY NOTE 1	MOUNTING	VOLTS	LAMP/LIGHT ENGINE			KEY NOTES
						WATTS	DELIVERED...	TYPE	
P1	8' PENDANT	STARTEK	SPW8S	PENDANT 16' AFF	120V	87	12540	LED 5000K	4,5
W1	WALL MOUNT VERSION OF P1			WALL 16' AFF				LED 5000K	4
W2	EXTERIOR WALL MOUNT LED - PROVIDE INTEGRAL PHOTOCELL FOR ON/OFF OPERATION.	MCGRAW EDISON	GWC-SA1-C-740-1-T4W-BZ-CMP-CEC	WALL 17' AFF	120V	59	7502	LED 4000K	6
W3	4' WALL MOUNT	STARTEK	SSF-4	MOUNT 7'-6" AFF	120V	47	6846	LED 5000K	4
	EXIT LIGHT	SURELITES	LPX		120VAC/12VDC	1		LED	3
KEY NOTES									
1	NOTE THAT THESE NUMBERS ARE NOT COMPLETE CATALOG NUMBERS. PROVIDE ALL REQUIREMENTS ON SCHEDULE, NOTES, SPECS, AND DRAWINGS COMBINED.								
2	VERIFY CEILING STRUCTURE AND MOUNTING HEIGHT PRIOR TO ORDERING ANY LIGHT FIXTURES.								
3	PROVIDE WALL, CEILING, OR PENDANT MOUNTING AS INDICATED ON PLANS. PROVIDE NUMBER OF FACES AND ARROWS AS INDICATED.								
4	PROVIDE SMOOTH POLYCARBONATE LENS								
5	PROVIDE RIGID STEMS FOR PENDANT MOUNTED FIXTURE.								
6	PROVIDE BATTERY PACK WITH BACK BOX RATED FOR COLD WEATHER ON ALL FIXTURES NOTED FOR EMERGENCY BACK UP USE.								



A1 LIGHTING PLAN		1/8" = 1'-0"	
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1/8" = 1'-0"		ANTHONY S. DAVIS, P.E.	
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REW		03/28/23	
			
		160 Veranda Street Portland, Maine 04103 P: 207.221.2260 F: 207.221.2266 Web: www.allied-eng.com	
			
		THE GOLD STAR MEMORIAL HIGHWAY	
		MTA PROJECT MANAGER: Brian A. Taddeo, P.E.	
		CONTRACT 2023.06 YORK VEHICLE STORAGE GARAGE LIGHTING PLAN	
		SHEET NUMBER: EL100	
		CONTRACT: 2023.06	
		31 OF 33	

ELECTRICAL SCHEDULE OF MECHANICAL EQUIPMENT- REFER TO PANEL SCHEDULES FOR CIRCUITING

TAG	DESCRIPTION/ AREA SERVED	VOLTS	PH	LOAD	FLA	MCA	MOPD	DISCONNECT SWITCH				STARTER (NEMA)		WIRING IN CONDUIT (2 #12, 1#12 G UNO)	NOTES	
								FRAME	POLES	FUSE	NEMA...	FBD	SIZE/...			FBD
AC-1	AIR COMPRESSOR	208	3	7.5 HP	40	46	50	60	3	50	3R	22	22	22	4 #6, 1 #8G	
GUH-1	GAS UNIT HEATER	120	1	1/2 HP	9.8		20			FWE		23	23	23		
GUH-2	GAS UNIT HEATER	120	1	1/2 HP	9.8		20			FWE		23	23	23		
GUH-3	GAS UNIT HEATER	120	1	1/2 HP	9.8		20			FWE		23	23	23		
DF-1,2,3	DESTRATIFICATION FANS	120	1	106W	1.0		15			MRT		26	23	23		
EF-1	EXHAUST FAN	208	3	2 HP	7.8		20			FWE		23	23	23	3 #12, 1 #12G	
WH-1	ELECTRIC WATER HEATER	120	1	1650W	14.0		20			MRT		23	23	23		
WP-1	WELL PUMP AND CONTROL PANEL	208	1	1 HP	9.8		20			MRT		22	22	22	2 # 10, #10G	1
NOTES:															ABBREVIATIONS:	
1	PROVIDE WIRING FROM PANEL TO CONTROL PANEL AND FROM CONTROL PANEL TO WELL PUMP. PUMP PROVIDED BY DIV 33, CONTROLLER PROVIDED BY DIV. 22.												FWE	FURNISHED WITH EQUIPMENT		
															NF	NOT FUSED
															SWBD	SWITCHBOARD
															FBD	FURNISHED BY DIVISION
															CBD	CONTROL WIRING BY DIVISION
															MRT	MOTOR RATED TOGGLE SWITCH (VOLTAGE, CURRENT RATING AND POLE QUANTITY AS REQUIRED)



KEYED NOTES:

- 1 PROVIDE EMPTY J-BOX 44" ABOVE FINISHED FLOOR AND 1-1/2" EMPTY CONDUIT FOR DOOR CONTROLS. CONTROL WIRING AND CONTROLS BY OTHERS.
- 2 DESTRATIFICATION FAN DF-1 thru DF-3 MANUAL SPEED CONTROLS-CONTROLS BY OTHERS.
- 3 EXHAUST FAN EF-1/L-1 VENTILATION TIMER AND VARIABLE SPEED CONTROLS LOCATIONS - CONTROL DEVICES SUPPLIED BY DIVISION 23, WIRED BY DIVISION 26.
- 4 WIRE AND CONNECT L-1/L-1 THROUGH TIMER SWITCH AND VARIABLE SPEED CONTROLLER SUPPLIED BY DIVISION 23. COORDINATE WITH DIVISION 23.
- 5 PROVIDE 120 VOLT POWER FOR HVAC CONTROLS AT UNDERSIDE OF DECK. CONTROLS BY OTHERS.

A1 POWER AND SYSTEMS PLAN					
1/8" = 1'-0"					
Scale:	Designed by:				
1/8" = 1'-0"	ANTHONY S. DAVIS, P.E.				
No.	Revision	By	Date	ISSUED FOR BID - NOT FOR CONSTRUCTION	
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		Drawn:	REW	03/28/23	
		THE GOLD STAR MEMORIAL HIGHWAY		CONTRACT 2023.06 YORK VEHICLE STORAGE GARAGE POWER AND SYSTEMS PLAN	
				SHEET NUMBER: EP100	
				CONTRACT: 2023.06	
				MTA PROJECT MANAGER: Brian A. Taddeo, P.E.	
				92 OF 93	

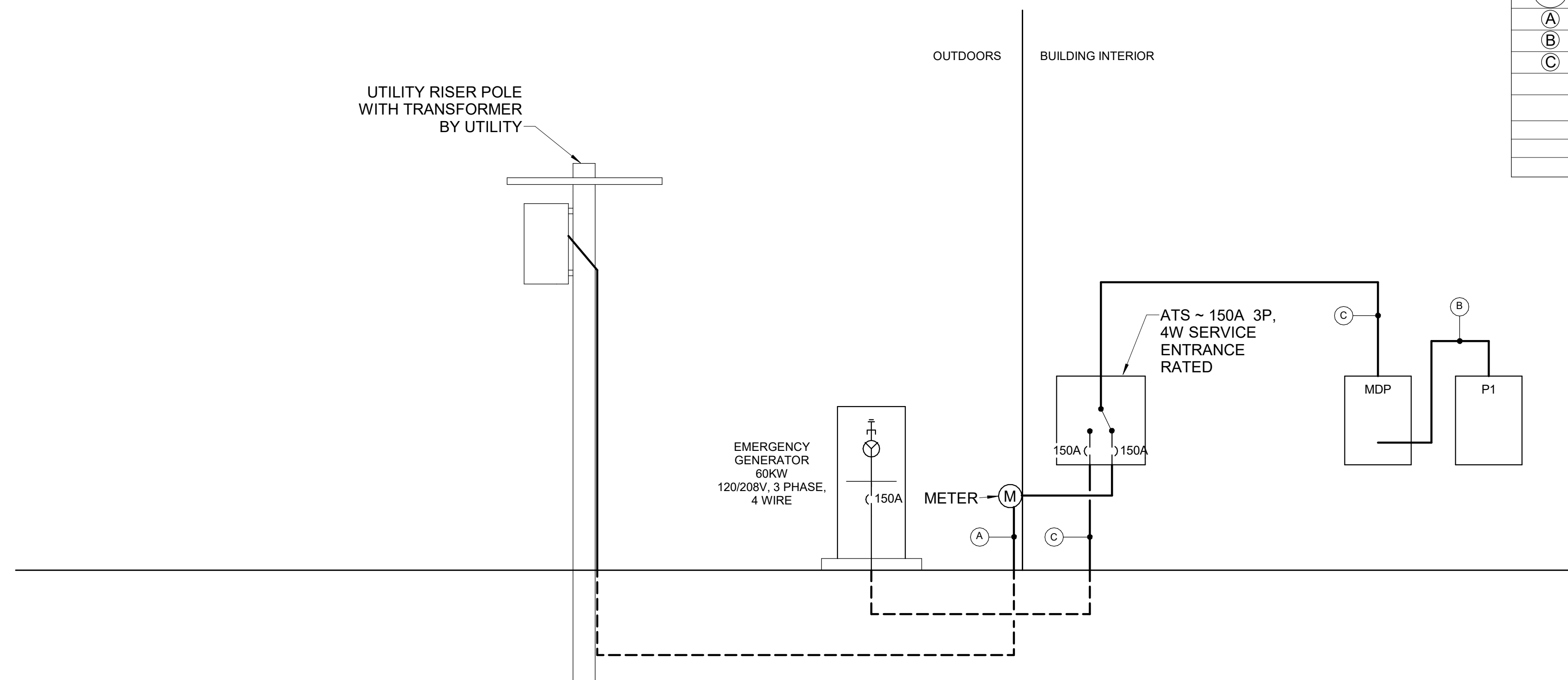
Lighting and Appliance Panelboard: P1										
Location: BAY 1 101				Volts: 120/208 Wye			A.I.C. Rating: 10kA			
Supply From: MDP				Phases: 3			Mains Type: MLO			
Mounting: Surface				Wires: 4			Bus Rating: 125 A			
				MCB Rating:						
CKT	Circuit Description	Trip Amps	Poles	A (kVA)	B (kVA)	C (kVA)	Poles	Trip Amps	Circuit Description	CKT
1	LIGHTING, SWITCH a	20	1	0.7	0.7		1	20	CORD REELS BAYS 1-2	2
3	LIGHTING, SWITCHES b,c	20	1		1	0.7	1	20	CORD REELS BAYS 3-4	4
5	EXTERIOR BUILDING LIGHTING	20	1			0.8	0.7	1	CORD REELS BAYS 5-6	6
7	GENERATOR START	20	1	0.4	0		1	20	Spare	8
9	GENERATOR BATTERY CHARGER	20	1		0.4	0		1	Spare	10
11	GEN JACKET WH & STRIP HEATER	20	1			2.5	0	1	Spare	12
13	LP GAS CO DETECTOR	20	1	1	0			1	Spare	14
15	Spare	20	1		0	0		1	Spare	16
17	Spare	20	1			0	0	1	Spare	18
19	Spare	20	1	0	0			1	Spare	20
21	Spare	20	1		0	0		1	Spare	22
23	Spare	20	1			0	0	1	Spare	24
25	Spare	20	1	0	0			1	Spare	26
27	Spare	20	1		0	0		1	Spare	28
29	Spare	20	1			0	0	1	Spare	30
Total Load:				2.3 kVA	1.6 kVA	3.9 kVA				
Total Amp:				20 A	13 A	34 A				

Notes:

Lighting and Appliance Panelboard: MDP										
Location: BAY 1 101				Volts: 120/208 Wye			A.I.C. Rating: 22kA			
Supply From: Surface				Phases: 3			Mains Type:			
Mounting: Surface				Wires: 4			Bus Rating: 150 A			
				MCB Rating:						
CKT	Circuit Description	Trip Amps	Poles	A (kVA)	B (kVA)	C (kVA)	Poles	Trip Amps	Circuit Description	CKT
1	DOOR OPERATOR BAY 1	20	1	1.4	0.4		1	15	DESTRAT FANS	2
3	DOOR OPERATOR BAY 2	20	1		1.4	1.7	1	20	WATER HEATER	4
5	DOOR OPERATOR BAY 3	20	1			1.4	0.5	1	HVAC CONTROL POWER	6
7	DOOR OPERATOR BAY 4	20	1	1.4	0.2		1	20	Receptacles	8
9	DOOR OPERATOR BAY 5	20	1		1.4	1.1	1	20	Receptacles	10
11	DOOR OPERATOR BAY 6	20	1			1.4	0.7	1	Receptacles	12
13	Receptacles	20	1	0.7	0.9			1	Receptacles	14
15	Receptacles	20	1		0.7	0.7		1	Receptacles	16
17	GUH-1	20	1			0.7	1	2	WP-1 - WELL PUMP	18
19	GUH-2	20	1	0.7	1			1	Spare	20
21	GUH-3	20	1		0.7	0		1	Spare	22
23	Spare	20	1			0	0	1	Spare	24
25	Spare	20	1	0	0			1	Spare	26
27	Spare	20	1		0	0		1	Spare	28
29	Spare	20	1			0	0	1	Spare	30
31	Spare	20	1	0	0.9			1	Spare	32
33	Spare	20	1		0	0.9		3	EF-1	34
35	Spare	20	1			0	0.9	1	Spare	36
37				2.3	4.8					38
39	P1	100	3		1.6	4.8		3	AIR COMPRESSOR	40
41						3.9	4.8			42
Total Load:				14.7 kVA	14.8 kVA	15.5 kVA				
Total Amp:				123 A	123 A	129 A				

Notes:

FEEDER SCHEDULE			
TAG	DESCRIPTION	CONDUCTORS (NOTE 1)	CONDUIT (NOTE...)
(A)	150 AMP SECONDARY FEEDER	(4) #1/0	2"
(B)	100 AMP SECONDARY/FEEDER	(4) #2, (1) #8 G	1 1/2"
(C)	150 AMP FEEDER	(4) #1/0, (1) #6 G	2"
FEEDER SCHEDULE NOTES:			
1. WIRING BASED ON COPPER THWN/THHN			
2. CONDUIT SIZE BASED ON EMT			



A1		POWER RISER DIAGRAM																	
NONE																			
Scale: 12" = 1'-0"		Designed by: ANTHONY S. DAVIS, P.E.																	
<table border="1"> <thead> <tr> <th>No.</th> <th>Revision</th> <th>By</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		No.	Revision	By	Date					<p>ISSUED FOR BID - NOT FOR CONSTRUCTION</p> <table border="1"> <thead> <tr> <th>By</th> <th>Date</th> <th>By</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>CAF</td> <td>03/28/23</td> <td>CAF</td> <td>03/28/23</td> </tr> </tbody> </table>		By	Date	By	Date	CAF	03/28/23	CAF	03/28/23
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CAF	03/28/23	CAF	03/28/23																
		<p>THE GOLD STAR MEMORIAL HIGHWAY</p>																	
<p>AEI PROJ.NO.: 20020 CAD FILE:</p>		<p>MTA PROJECT MANAGER: Brian A. Taddeo, P.E.</p>																	
<p>CONTRACT: 2023.06</p>		<p>CONTRACT: 2023.06</p>																	
<p>SHEET NUMBER: EP500</p>		<p>33 OF 33</p>																	