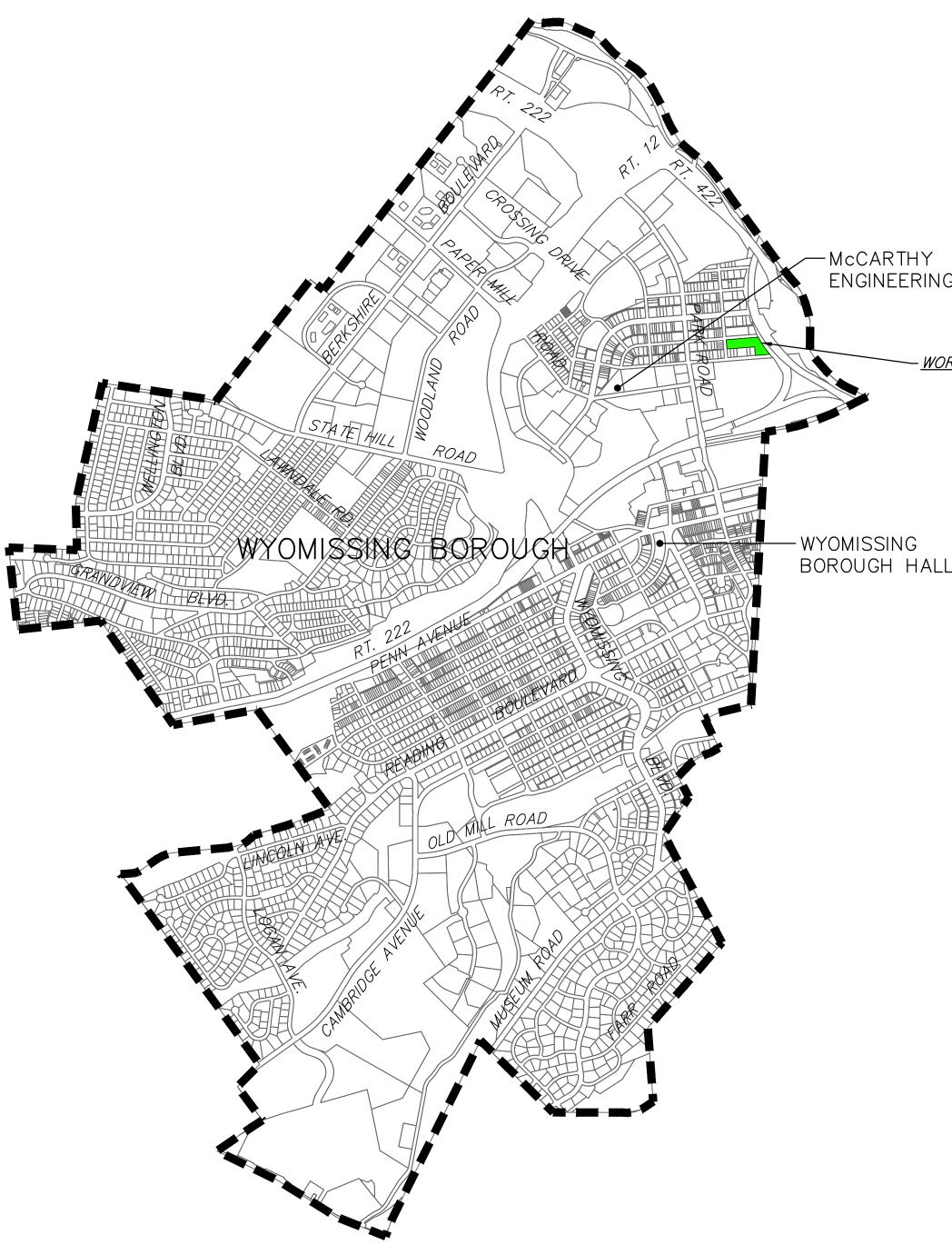


PENNSYLVANIA ACT 287, AS AMENDED BY ACT 121 REQUIRES NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE COMMONWÉALTH.

PLAN INDEX: Sheet No. Plan Name

Sheet No.	Plan Name	Plan No.
C1.0	COVER SHEET	230004-08-C0-01
C2.0	EXISTING CONDITIONS & DEMOLITION PLAN	230004-08-EC-02
C3.0	SITE PLAN	230004-08-SI-03
C4.0	GRADING & UTILITY PLAN	230004-08-GU-04
C5.0	LANDSCAPING PLAN	230004-08-LA-05
C6.0	CONSTRUCTION DETAILS	230004-08-CD-06
C7.0	E&S CONTROL PLAN	230004-08-ES-07
C7.1	E&S CONTROL DETAILS	230004-08-ESD-08
C7.2	E&S CONTROL NOTES	230004-08-ESN-09
C8.0	ALTERNATE BIDS	230004-08-ALT-10

PUBLIC WORKS FACILITY PROJECT WYOMISSING BOROUGH 22 READING BOULEVARD WYOMISSING, PA 19610



-<u>WORK SITE</u>

<u>GENERAL NOTES:</u>

LATEST EDITIONS.

CONSTRUCTION.

FOR THIS WORK.

CONTRACTOR.

GOVERNING AGENCY.

SPECIFICATIONS.

1. THE CONTRACTOR SHALL VISIT THE JOB SITE TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS. THE CONTRACTOR SHALL MAKE NECESSARY

9. THE LATEST EDITION OF ALL SPECIFIED REFERENCES SHALL APPLY THROUGHOUT THE PLAN SET.

AND CONSTRUCTION OPERATIONS WITH THE OWNER.

ON THIS PLAN SET, SPECIFICATIONS AND APPLICABLE CODES.

OR DEMOLITION ACTIVITIES ASSOCIATED WITH THIS WORK.

ASSOCIATES, INC. IN OCTOBER 2022.

WATER, SANITARY SEWER AND TELEPHONE.

INTERFERE WITH PEDESTRIAN AND MOTOR VEHICLE TRAFFIC BOTH DURING AND AFTER A WORK DAY.

REMEDIATE THE DEFICIENCY IN A TIMELY MANNER. RETESTING SHALL BE AT THE CONTRACTOR'S EXPENSE.

- 2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND DETAILS OF EXISTING CONDITIONS AT THE SITE FOR ASSURANCE OF AN ACCURATE
- INVESTIGATIONS AND INQUIRIES TO APPROPRIATE PARTIES WITH REGARDS TO THE WORK TO THOROUGHLY UNDERSTAND THE RESPONSIBILITIES PRIOR TO BIDDING.

- COMPLETION OF THE WORK PRIOR TO ORDERING MATERIALS OR PROCEEDING WITH THE WORK.
- 3. CONTRACTOR SHALL LOCATE AND VERIFY ALL VERTICAL AND HORIZONTAL LOCATIONS FOR ALL EXISTING ON SITE FEATURES AND AMENITIES WITHIN THIS
- WORK PRIOR TO THE START OF CONSTRUCTION.
- 4. EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE AND THE CONTRACTOR SHALL VERIFY EXACT DEPTHS AND LOCATIONS PRIOR TO DIGGING IN
- THAT LOCATION.
- 5. THE CONTRACTOR SHALL HAND EXCAVATE WITHIN 18 INCHES OF ALL PROPOSED AND EXISTING UTILITY CROSSINGS.

- 6. THE CONTRACTOR SHALL PROVIDE PROPER CLEARANCE AND PROTECTION FOR ALL ABOVE GROUND EQUIPMENT AND UTILITIES.

- 21. THE CONTRACTOR SHALL DEMOLISH, REMOVE AND DISPOSE OF DEMOLITION DEBRIS INCLUDING, BUT NOT LIMITED TO, PIPING, CONCRETE, EARTH AND BITUMINOUS PAVEMENT IN A PROPER MANNER TO AN OFFSITE DISPOSAL FACILITY AND PROVIDE DISPOSAL INFORMATION AS REQUESTED BY THE OWNER.

- 22. THE CONTRACTOR SHALL APPLY PROPER ENVIRONMENTAL DUE DILIGENCE WHEN DISPOSING OF DEMOLITION DEBRIS AND EXCESS MATERIALS.

- 23. THE CONTRACTOR SHALL USE SUPPORTS AND SHORING TECHNIQUES TO PROPERLY SUPPORT EXISTING UTILITY CROSSINGS AND TRENCH WALLS

- ASSOCIATED WITH DEMOLITION ACTIVITIES AS PER OSHA REGULATIONS.

7. THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN TEMPORARY PROTECTIVE SYSTEMS FOR ALL ADJACENT STRUCTURE STABILITY, EXCAVATION AND TRENCHING INCLUDING BUT NOT LIMITED TO BRACING, SHORING, SLOPING, BENCHING AND SHIELDING AS PER OSHA STANDARDS AND SPECIFICATIONS, 8. ALL THE WORK SHALL CONFORM TO THE REGULATIONS OF OSHA AND ALL LOCAL, COUNTY AND STATE LAWS, LATEST EDITIONS.

10. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, PRODUCT SPECIFICATIONS AND VENDOR INFORMATION FOR ALL FABRICATION WORK AND MATERIALS TO THE OWNER FOR WRITTEN APPROVAL PRIOR TO PROCEEDING WITH PURCHASE, INSTALLATION, REMOVAL, MANUFACTURE AND ASSOCIATED WORK. 11. THE CONTRACTOR SHALL PLACE AND STORE ANY EQUIPMENT AND MATERIALS IN A RESPONSIBLE LOCATION, APPROVED BY THE OWNER, AS TO NOT

12. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER FOR ALL CONSTRUCTION ACTIVITIES VIA A WRITTEN APPROVED SCHEDULE TO MINIMIZE DISTURBANCE TO ANY ONGOING OWNER OPERATIONS AT THE SITE. DO NOT BLOCK ACCESS TO THE SITE. THE CONTRACTOR SHALL COORDINATE DELIVERIES 13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY UTILITIES REQUIRED FOR THE WORK INCLUDING, BUT NOT LIMITED TO, POWER,

14. THE CONTRACTOR SHALL DEMOLISH, FURNISH AND INSTALL IN A RESPONSIBLE CONSTRUCTION SEQUENCE TO ACHIEVE A LEVEL OF QUALITY AS DICTATED 15. THE CONTRACTOR SHALL RESTORE ANY DISTURBED AREAS TO THE ORIGINAL CONDITIONS AS THEY WERE FOUND PRIOR TO MOBILIZATION AND

16. THE OWNER MAY REQUIRE A QUALIFIED INDEPENDENT TESTING AGENCY TO TEST THE QUALITY OF WORKMANSHIP AND MATERIALS THAT WILL PROVIDE WRITTEN REPORTS TO THE CONTRACTOR, OWNER AND ENGINEER. THE CONTRACTOR WILL BE NOTIFIED IMMEDIATELY OF THE DEFICIENT WORK AND

17. A PRE-CONSTRUCTION MEETING SHALL BE HELD ON SITE WITH OWNER AND/OR ENGINEER PRIOR TO THE START OF ANY WORK. 18. CONTRACTOR SHALL PROVIDE "AS-BUILT" CONSTRUCTION INFORMATION TO THE OWNER AND ENGINEER UPON COMPLETION OF THIS WORK.

19. THE CONTRACTOR SHALL VERIFY WITH OWNER FOR LOCATION AND SHUT OFF PROCEDURE FOR ALL UTILITIES LOCATED WITHIN THE WORK.

20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING VALVES, CONNECTIONS OR SHUTOFFS ASSOCIATED WITH DEMOLITION ACTIVITIES

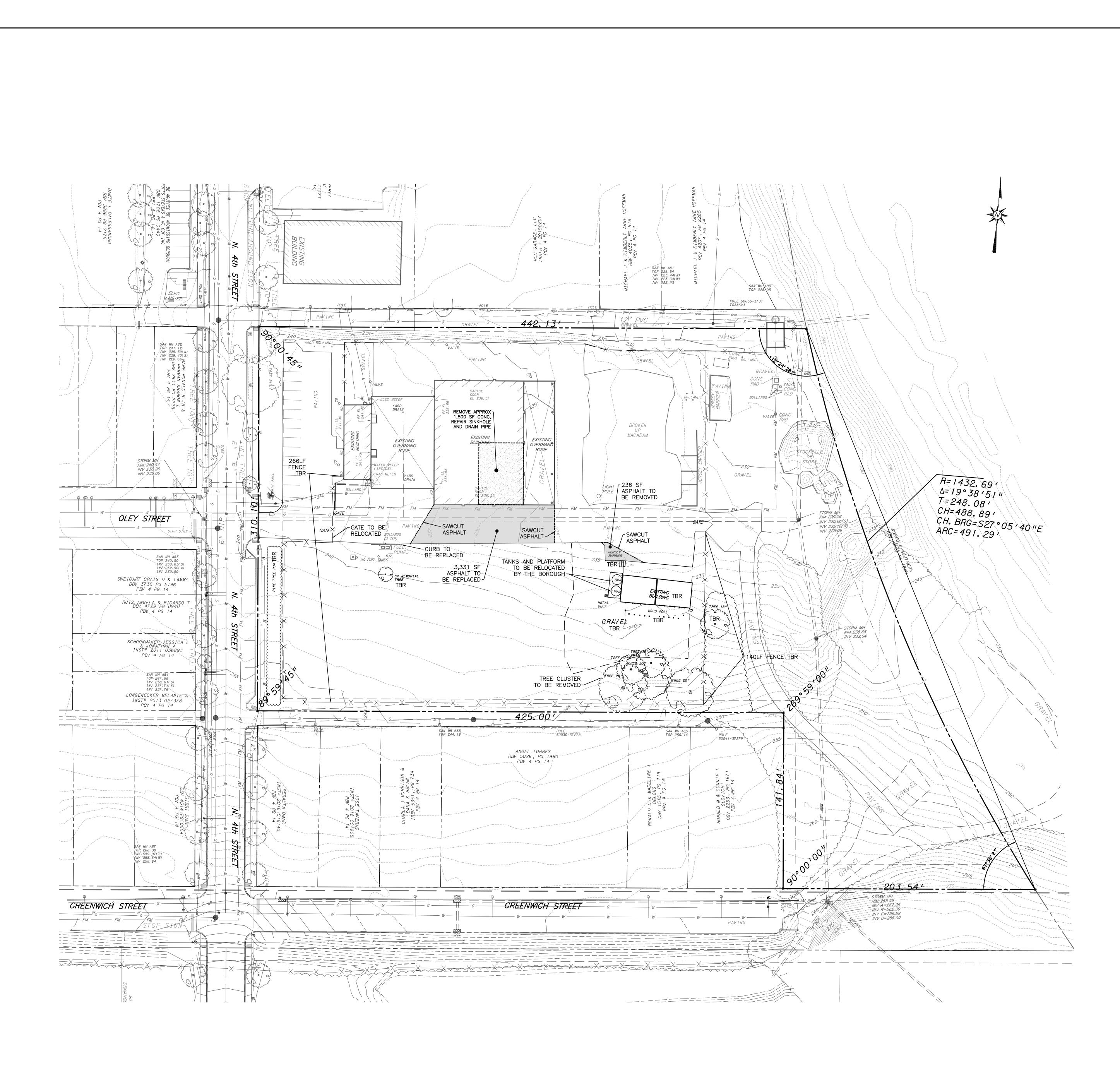
24. THE CONTRACTOR SHALL SAWCUT EXISTING PAVEMENT AND CONCRETE AS SHOWN ON THE PLAN PRIOR TO THE REMOVAL OF ANY BITUMINOUS PAVEMENT 25. THE BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN HEREON IS BASED ON A FIELD SURVEY PERFORMED AND PREPARED BY MCCARTHY ENGINEERING

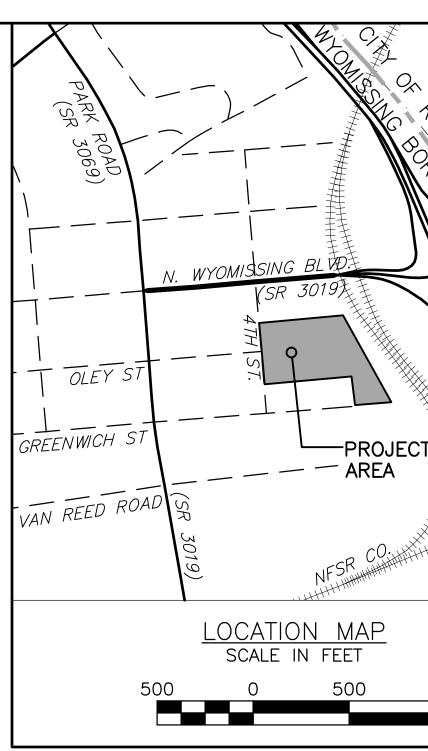
26. UNDERGROUND FACILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND PLANS OF OTHERS AND THEREFORE THEIR ELEVATION AND LOCATION MUST BE CONSIDERED AS APPROXIMATE ONLY. THE VERIFICATION OF EACH FACILITY SHOWN OR NOT SHOWN, SHALL BE THE RESPONSIBILITY OF THE

27. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SEE THAT NO WORK IS DONE WITHOUT THE PROPER INSPECTIONS BY LOCAL AUTHORITY OR 28. THE CONTRACTOR SHALL NOTIFY THE OWNER AND/OR ENGINEER AS SOON AS POSSIBLE IF CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLANS OR 29. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING THE LIMITS OF THE UNDERGROUND FUEL TANKS PRIOR TO ANY DISTURBANCE OF THE AREA.



ISSUED FOR BID JULY 19, 2023





DEMOLITION NOTES:

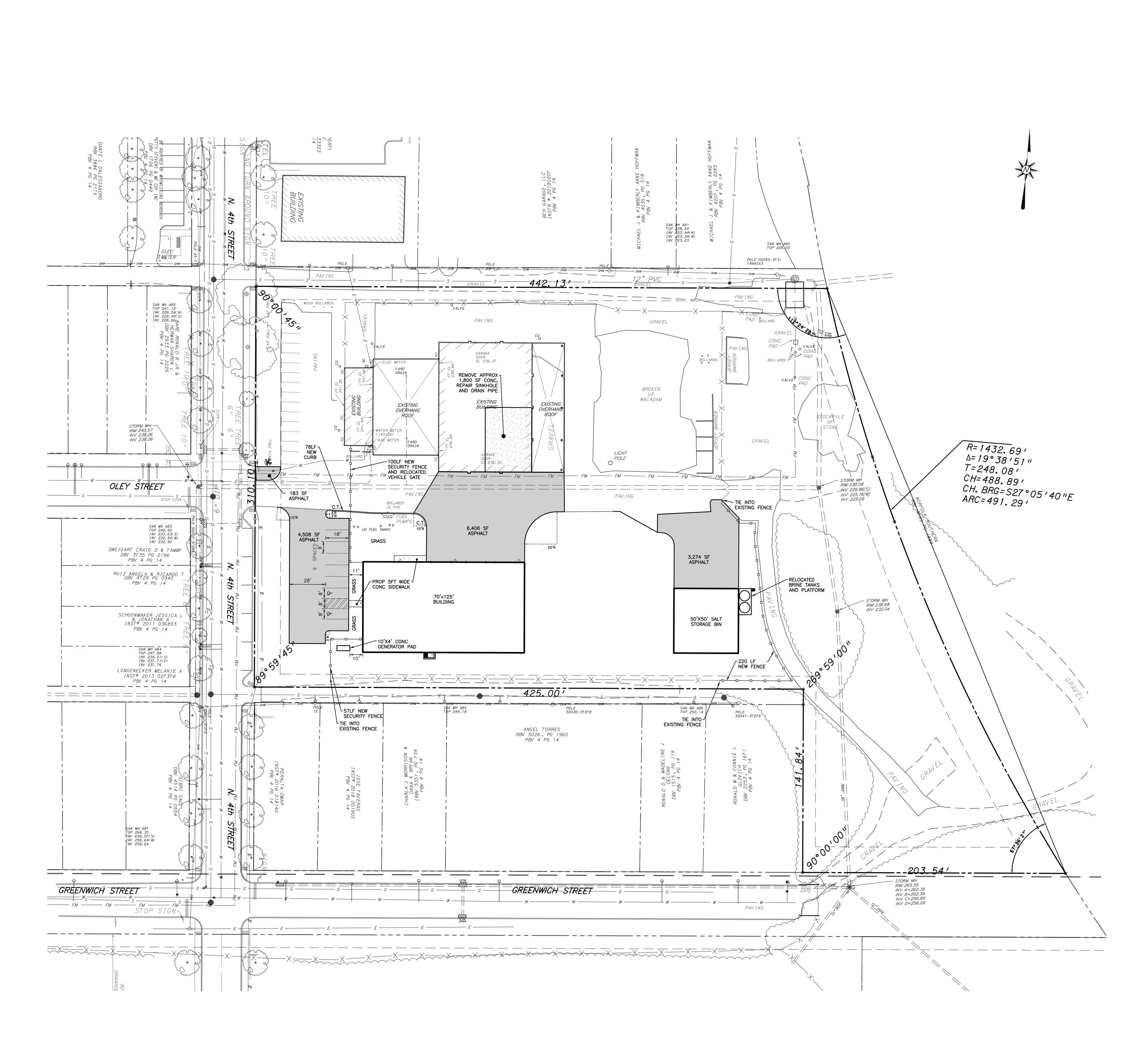
- CONTRACTOR TO DEMOLISH ALL ITEMS NECESSAR PROPOSED BUILDING AND SITE FEATURES WHETHE INDICATED IN THE CONSTRUCTION DOCUMENTS. AL PROPER PROTECTION SHALL BE PROVIDED TO EX NOT BEING REMOVED.
- 2. EXCAVATIONS THAT ARE LEFT OPEN DURING THE PROCESS SHALL BE COVERED OR FENCED OFF. ADEQUATELY MARKED TO ENSURE WORKER AND F 3. THE CONTRACTOR IS RESPONSIBLE FOR TERMINA
- APPLICABLE UTILITIES WHERE ITEMS ARE BEING F AND CODE CONFORMING MANNER. 4. UNUSABLE MATERIALS AND RUBBISH SHALL BE IN REMOVED FROM THE SITE. MATERIALS TO BE REUS STOCKPILED IN A SAFE AND SECURE LOCATION. M REQUIRES PROTECTION FROM THE WEATHER SHALL
- SECURE DRY LOCATION. 5. DAMAGE CAUSED TO EXISTING FEATURES DURING
- PROCESS SHALL BE REPAIRED AND RESTORED T CONDITIONS. IF DAMAGE CANNOT BE REPAIRED A DAMAGED ITEM SHALL BE REPLACED AT THE CON 6. COORDINATE ALL DEMOLITION WITH ARCHITECTUR
- 7. FEATURES SHOWN IN BOLD INDICATE ITEMS THA ALSO SEE NOTE 1.

LEGEND:

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	EXISTING STORM SEWER
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	EXISTING FIRE HYDRANT
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Ø	EXISTING UTILITY POLE
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(TBR)	FEATURE TO BE REMOVE
	PROPOSED SAWCUT LINE

ISSUED FOR BID JULY

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ECESSARY TO CONSTRUCT WHETHER OR NOT ENTS. ADEQUATE AND D TO EXISTING FEATURES ING THE DEMOLITION D OFF. THE AREA SHALL BE IR AND PUBLIC SAFETY.	Description and work product represented by and contained herein, is the sole and exclusive secondes, lnc. The information contained herein is licensed only party without the permission or authority is extended, directly or implied, to any party without the arthy Engineering Associates, Inc. Copyright, 2021, McCarthy Engineering Associates, Inc.
TERMINATING ALL BEING REMOVED IN A SAFE ALL BE IMMEDIATELY BE REUSED WILL BE CATION. MATERIAL THAT ER SHALL BE STORED IN A	Development of the second of t
DURING THE DEMOLITION ORED TO PRE-DEMOLITION AIRED ADEQUATELY THAN THE THE CONTRACTOR'S EXPENSE. ITECTURAL DRAWINGS. MS THAT MUST BE REMOVED,	Date Information Date Information cof McCarthy Engineering A register and no license, written permission of McC
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NG FEATURES ^ POLE AND DEPRESSED CURB	Additional and associates, INC. www.McCarthy-Engineering.com Phone: 610.373.8001
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	ISSUED FOR BID EXISTING CONDITIONS & DEMOLITION PLAN " PUBLIC WORKS FACILITY "
APHIC SCALE	DRAWN BY: PROJ. MANAGER: AMK JCM PRINCIPAL: SCALE: JCM 1"=30'
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	230004-08- EC-02





ONECALL NOTES:



PENNSYLVANIA ACT 287, AS AMENDED BY ACT 121 REQUIRES NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE COMMONWEALTH.

ACT 287 UNDERGROUND UTILITY PROTECTION ACT. AS AMENDED BY ACT 121 _____

McCARTHY ENGINEERING ASSOCIATES, INC. HEREBY STATES THAT, PURSUANT TO THE PROVISIONS OF ACT NO. 121 OF OCTOBER 2008, OF THE PENNSYLVANIA LEGISLATURE, IT HAS PERFORMED THE FOLLOWING IN PREPARING THESE DRAWINGS REQUIRING EXCAVATION OR DEMOLITION WORK AT SITES WITHIN THE POLITICAL SUBDIVISION(S) SHOWN ON THE DRAWINGS:

- PURSUANT TO SECTION 4, CLAUSE (2) OF SAID ACT, McCARTHY ENGINEERING ASSOCIATES, INC. REQUESTED FROM EACH USER'S OFFICE DESIGNATED ON SUCH LIST PROVIDED BY THE ONE CALL SYSTEM NOTIFICATION, THE INFORMATION PRESCRIBED BY SECTION 4, CLAUSE (2) OF SAID ACT, NOT LESS THAN (10) NOR MORE THAN (90) WORKING DAYS BEFORE FINAL DESIGN TO BE COMPLETED. 2. PURSUANT TO SECTION 4, CLAUSE (5) OF SAID ACT, MCCARTHY ENGINEERING ASSOCIATES, INC. HAS MET THEIR OBLIGATIONS OF CLAUSE (2) BY CALLING THE ONE CALL SYSTEM SERVING THE LOCATION WHERE EXCAVATION IS TO BE PERFORMED.
- 3. PURSUANT TO SECTION 4, CLAUSE (3) OF SAID ACT, MCCARTHY ENGINEERING ASSOCIATES, INC. HAS SHOWN UPON THESE DRAWINGS "THE POSITION AND TYPE OF EACH LINE, AS DERIVED PURSUANT TO THE REQUEST MADE AS REQUIRED BY CLAUSE (2), THE SERIAL NUMBER PROVIDED BY THE ONE CALL SYSTEM, THE TOLL-FREE ONE CALL SYSTEM PHONE NUMBER, AND THE NAME OF THE USER, THE USER'S DESIGNATED OFFICE ADDRESS AND PHONE NUMBER AS SHOWN ON THE LIST REFERRED TO IN SECTION 4, CLAUSE (5) OF SAID ACT."

AND McCARTHY ENGINEERING ASSOCIATES, INC. DOES NOT MAKE ANY REPRESENTATION, WARRANTY, ASSURANCE OR GUARANTEE THAT THE INFORMATION RECEIVED PURSUANT TO SAID REQUEST AND AS REFLECTED ON THESE DRAWINGS IS CORRECT OR ACCURATE, BUT McCARTHY ENGINEERING ASSOCIATES, INC.. IS REFLECTING SAID INFORMATION ON THESE DRAWINGS ONLY DUE TO THE REQUIREMENTS OF THE SAID ACT NO. 121 OF OCTOBER 2008. ONE CALL SYSTEM SERIAL NO. NOTIFICATION BY MCCARTHY ENGINEERING ASSOCIATES, INC.. DATE: JUNE 23, 2021

ONE CALL SYSTEM SERIAL NUMBER: 20211730550 UNDERGROUND UTILITY USERS:

UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE AND WERE DETERMINED FROM VISIBLE LOCATION, ACT 287, AS AMENDED BY ACT 121, UTILITY RESPONSES AND/OR BEST AVAILABLE PLAN INFORMATION. McCARTHY ENGINEERING ASSOCIATES, INC. CANNOT GUARANTEE THE EXACT LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES. AN EXACT LOCATION CAN ONLY BE OBTAINED BY SUBSURFACE EXPLORATION, WHICH IS NOT A PART OF THIS CONTRACT PERFORMANCE.

PA ONE CALL SYSTEM INFORMATION:

PENNSYLVANIA ACT 287, AS AMENDED BY ACT 121, REQUIRES THREE (3) WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND FIVE (5) WORKING DAYS NOTICE IN DESIGN STAGE. PA ONE CALL PHONE NUMBER: 1-800-242-1776



EXISTING SANITARY SEWER &
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GRAPHIC SCALE ISSUED FOR BID JULY 19, NOT FOR CONSTRUCTION

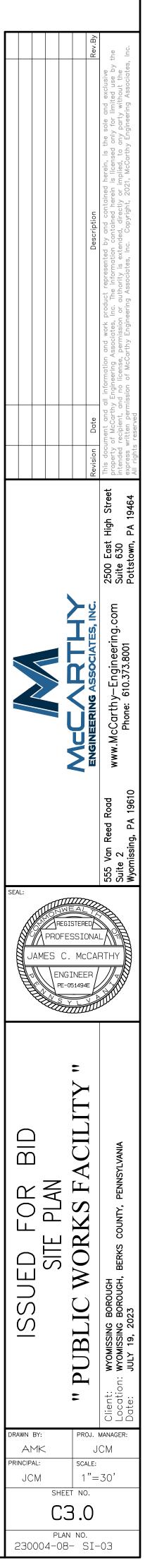


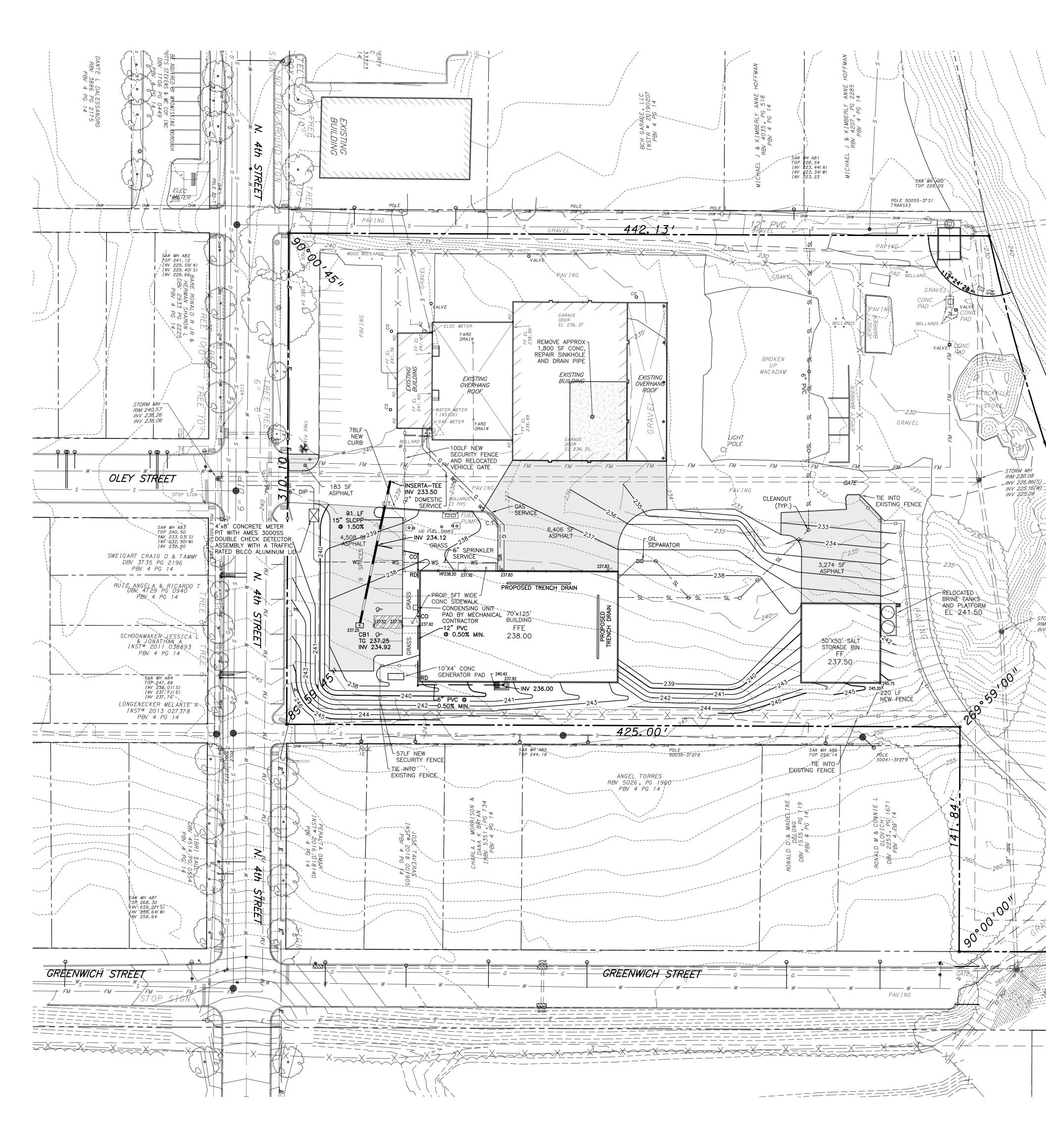
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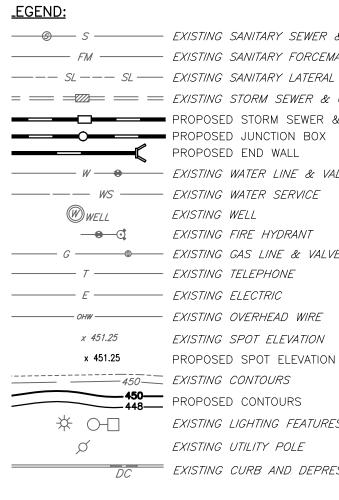
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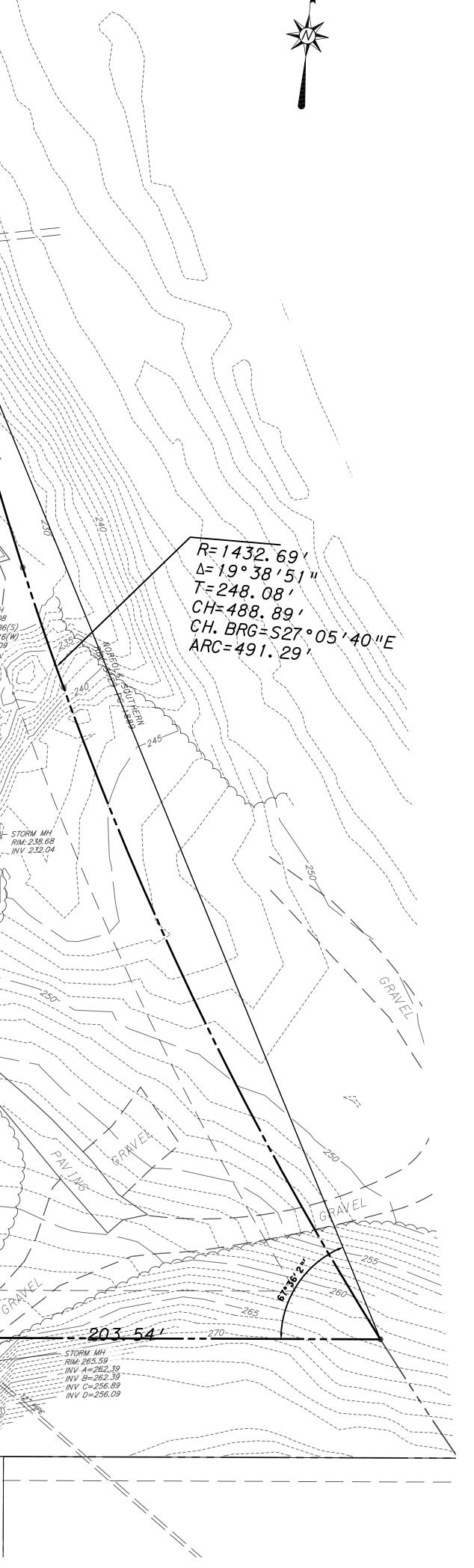




GENERAL CONSTRUCTION NOTES

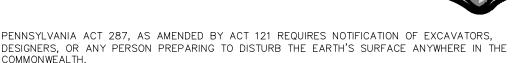
- DENSITY OF 98% MAXIMUM DENSITY AS DETERMINED PROCTOR TEST (ASTM D-698) IN THE BUILDING, P SIDEWALK AREAS, AND 92% IN OTHER AREAS. 2. DURING EXCAVATION FOR FOOTINGS, IF ANY UNSU
- UNCOVERED, THE CONTRACTOR SHALL REMOVE IT AN FOOTINGS AS NECESSARY TO BUILD ON CLEAN VIRG 3. UNDERGROUND FACILITIES HAVE BEEN PLOTTED FRO SURVEYS AND PLANS OF OTHERS AND THEREFORE TH AND LOCATION MUST BE CONSIDERED AS APPROXIM VERIFICATION OF EACH FACILITY SHOWN OR NOT
- THE RESPONSIBILITY OF THE CONTRACTOR. 4. ALL MATERIALS AND METHODS OF CONSTRUCTION FO SERVICE AND SANITARY SEWERS TO MEET THE LATE
- SPECIFICATIONS OF THE LOCAL AUTHORITY OR GOV 5. CONTRACTOR TO VERIFY LOCATION AND FLOW OF EX PRIOR TO INSTALLATION OF PLUMBING. ALL SERV
- CONNECTED IN ACCORDANCE WITH LOCAL CODES AND COMPANIES REQUIREMENT.
- 6. PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE SPECIFICATIONS PUBLICATION 408, LATEST EDITI 7. IT SHALL BE THE RESPONSIBILITY OF THE CONTRA THE LOCAL AUTHORITY OR GOVERNING AGENCY OF DATE OF CONSTRUCTION AND IT SHALL BE THE RES THE CONTRACTOR TO SEE THAT NO WORK IS DONE PROPER INSPECTIONS BY LOCAL AUTHORITY OR GOV
- 8. CONTRACTOR TO NOTIFY ENGINEER AS SOON AS POS CONDITIONS ON GROUND DIFFER FROM THOSE SHOWN 9. SEE ARCHITECTURAL PLANS FOR EXACT BUILDING N DETAILS
- 10. ALL AREAS OTHER THAN PAVED AREAS SHALL HAVE OF SIX INCHES (6") OF TOPSOIL. PRIOR TO SEED SHALL BE SCARIFIED AND CLEARED OF ALL TRASH AND OTHER OBJECTS THAT WOULD INTERFERE WITH FERTILIZING OR MAINTENANCE OPERATIONS.
- 11. SEEDING AND MULCHING SHALL BE IN ACCORDANCE PUBLICATION 408.





 GENERAL CONSTRUCTION NOTES 1. AREAS WHICH ARE TO BE FILLED SHALL BE COMPACTED TO A DENSITY OF 98% MAXIMUM DENSITY AS DETERMINED BY THE PROCTOR TEST (ASTM D-698) IN THE BUILDING, PAVED AND SIDEWALK AREAS, AND 92% IN OTHER AREAS. 2. DURING EXCAVATION FOR FOOTINGS, IF ANY UNSUITABLE SO 	MODIFIED IL IS
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COMPANIES REQUIREMENT. 6. PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH PEN SPECIFICATIONS PUBLICATION 408, LATEST EDITION.	INDOT
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 9. SEE ARCHITECTURAL PLANS FOR EXACT BUILDING MEASUREMENDETAILS 10. ALL AREAS OTHER THAN PAVED AREAS SHALL HAVE A MINIMULOF SIX INCHES (6") OF TOPSOIL. PRIOR TO SEEDING, THE SHALL BE SCARIFIED AND CLEARED OF ALL TRASH, DEBRIS, AND OTHER OBJECTS THAT WOULD INTERFERE WITH PLANTING FERTILIZING OR MAINTENANCE OPERATIONS. 	NUM DEPTH SURFACE ROOTS
11. SEEDING AND MULCHING SHALL BE IN ACCORDANCE WITH PER PUBLICATION 408.	Advision Date Description Description This document and all information and work product represented by and contained herein, is the sole and exclusive property of McCarthy Engineering Associates, Inc. The information contained herein is licensed only for limited use by DOCUMPIEND
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ISSUED FOR BID JULY 19,	2023 PLAN NO. 230004-08- GU-04





ACT 287 UNDERGROUND UTILITY PROTECTION ACT, AS AMENDED BY ACT 121

McCARTHY ENGINEERING ASSOCIATES, INC. HEREBY STATES THAT, PURSUANT TO THE PROVISIONS OF ACT NO. 121 OF OCTOBER 2008, OF THE PENNSYLVANIA LEGISLATURE, IT HAS PERFORMED THE FOLLOWING IN PREPARING THESE DRAWINGS REQUIRING EXCAVATION OR DEMOLITION WORK AT SITES WITHIN THE POLITICAL SUBDIVISION(S) SHOWN ON THE DRAWINGS:

- PURSUANT TO SECTION 4, CLAUSE (2) OF SAID ACT, McCARTHY ENGINEERING ASSOCIATES, INC. REQUESTED FROM EACH USER'S OFFICE DESIGNATED ON SUCH LIST PROVIDED BY THE ONE CALL SYSTEM NOTIFICATION, THE INFORMATION PRESCRIBED BY SECTION 4, CLAUSE (2) OF SAID ACT, NOT LESS THAN (10) NOR MORE THAN (90) WORKING DAYS BEFORE FINAL DESIGN TO BE COMPLETED.
- . PURSUANT TO SECTION 4, CLAUSE (5) OF SAID ACT, MCCARTHY ENGINEERING ASSOCIATES, INC. HAS MET THEIR OBLIGATIONS OF CLAUSE (2) BY CALLING THE ONE CALL SYSTEM SERVING THE LOCATION WHERE EXCAVATION IS TO BE PERFORMED.
- 3. PURSUANT TO SECTION 4, CLAUSE (3) OF SAID ACT, McCARTHY ENGINEERING ASSOCIATES, INC. HAS SHOWN UPON THESE DRAWINGS "THE POSITION AND TYPE OF EACH LINE, AS DERIVED PURSUANT TO THE REQUEST MADE AS REQUIRED BY CLAUSE (2), THE SERIAL NUMBER PROVIDED BY THE ONE CALL SYSTEM, THE TOLL-FREE ONE CALL SYSTEM PHONE NUMBER, AND THE NAME OF THE USER, THE USER'S DESIGNATED OFFICE ADDRESS AND PHONE NUMBER AS SHOWN ON THE LIST REFERRED TO IN SECTION 4, CLAUSE (5) OF SAID ACT."

AND MCCARTHY ENGINEERING ASSOCIATES, INC. DOES NOT MAKE ANY REPRESENTATION, WARRANTY, ASSURANCE OR GUARANTEE THAT THE INFORMATION RECEIVED PURSUANT TO SAID REQUEST AND AS REFLECTED ON THESE DRAWINGS IS CORRECT OR ACCURATE, BUT MCCARTHY ENGINEERING ASSOCIATES, INC.. IS REFLECTING SAID INFORMATION ON THESE DRAWINGS ONLY DUE TO THE REQUIREMENTS OF THE SAID ACT NO. 121 OF OCTOBER 2008. ONE CALL SYSTEM SERIAL NO. NOTIFICATION BY MCCARTHY ENGINEERING ASSOCIATES, INC.. DATE: JUNE 23, 2021

ONE CALL SYSTEM SERIAL NUMBER: 20211730550

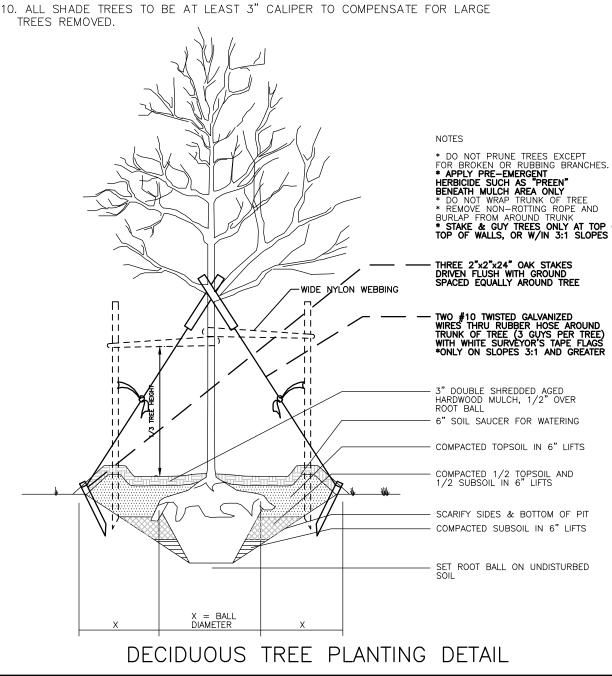
UNDERGROUND UTILITY USERS:

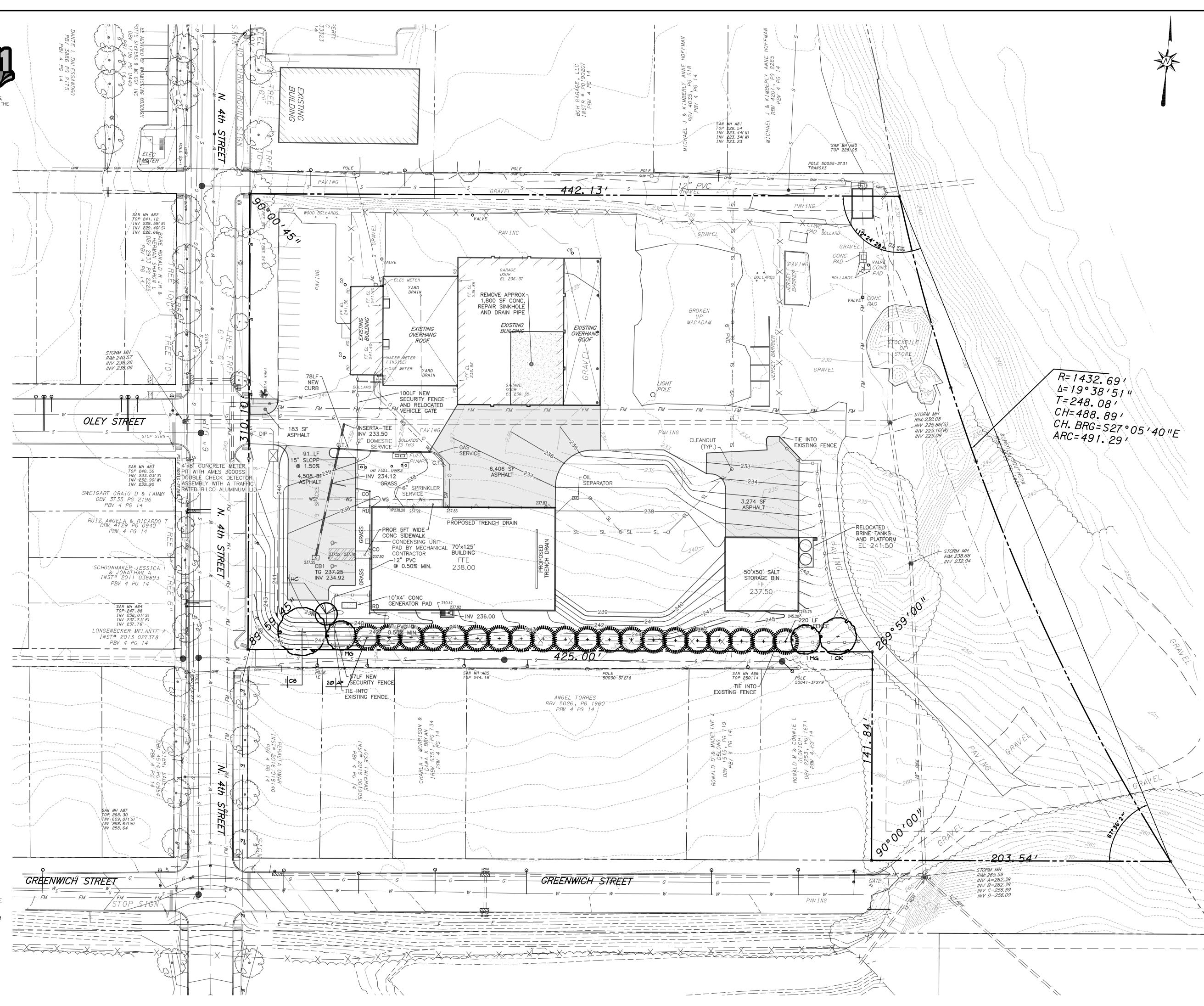
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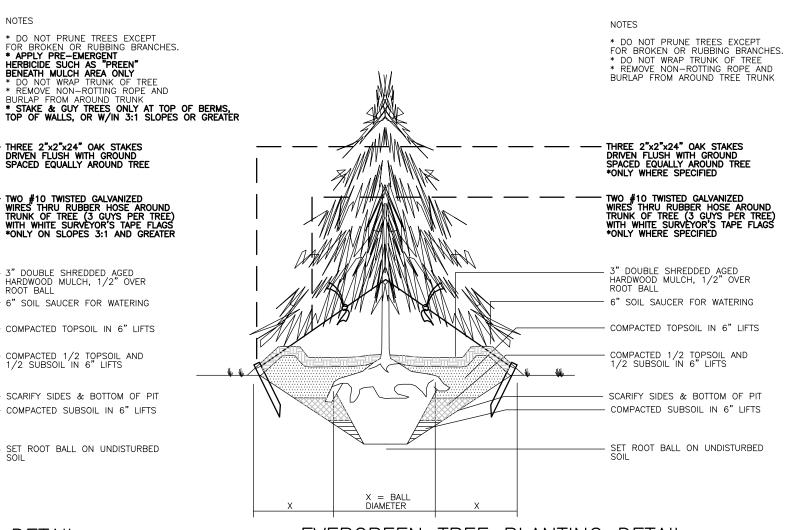
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LANDSCAPE NOTES:

- I. ALL VARIETIES ARE TO BE USED AS SPECIFIED, OR AN APPROVED EQUAL. . ALL PLANTING MATERIALS MUST BE TO REGIONAL AND NATIONAL NURSERY
- STANDARDS AND BE APPROVED STOCK FREE OF PESTS. ALL SIZES AND GRADING STANDARDS FOR PLANT MATERIALS SHALL CONFORM WITH THE LATEST EDITION OF AMERICAN STANDARD OF NURSERY STOCK AS SPONSORED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC., AND APPROVED MAY 2, 1986, BY THE AMERICAN NATIONAL STANDARDS INSTITUTE,
- INC., OR THE LATEST REVISED EDITION OF THIS STANDARD. 4. ALL PLANTING AND RELATED WORK SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE BY THE TOWNSHIP. DEAD PLANTS SHALL BE REMOVED IMMEDIATELY AND REPLACEMENTS MADE NOT LATER THAN DURING THE NEXT PLANTING SEASON.
- 5. STAKE AND GUY TREES ONLY AS NOTED IN DETAIL.
- 5. ALL PLANTING MOUNDS AND BEDS SHALL BE MULCHED TO A DEPTH OF 3", UNLESS OTHERWISE SPECIFIED.
- . ON MULTIPLE STEM TREES TOTAL CALIPER OF ALL STEMS (MIN. 3) IS TO BE EQUAL TO 2.5 INCHES.
- 3. WHEN PLANTED, ALL TREES MUST BE AT LEAST 6 FEET HIGH, WITH A MINIMUM CALIPER OF 2.5 INCHES MEASURED 6 INCHES ABOVE GROUND, OR IF GREATER THAN 4.5", AT 12" ABOVE GROUND.
- STREET TREES SHALL HAVE A TRUNK THAT IS CLEAN AND STRAIGHT WITHOUT BRANCHES FOR 7 FEET ABOVE THE GROUND.

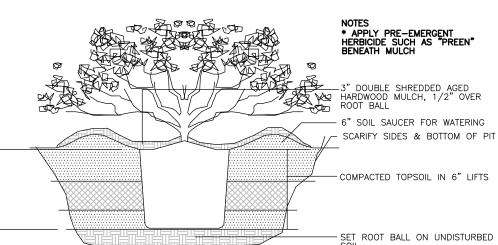






EVERGREEN TREE PLANTING DETAIL





3" DOUBLE SHREDDED AGED HARDWOOD MULCH, 1/2" OVER ROOT BALL ------ 6" SOIL SAUCER FOR WATERING //- SCARIFY SIDES & BOTTOM OF PIT

SET ROOT BALL ON UNDISTURBED

SHRUB PLANTING DETAIL

PREVAILING WIND

-TREE TRUNK WIDE NYLON WEBBING PLAN VIEW

PLANT LIST KEY AMT BOT DECIDUOUS SHADE CS 1 CAT EVERGREEN TREES ORNAMENTAL TRE MA 0 MAL MG 2 MET

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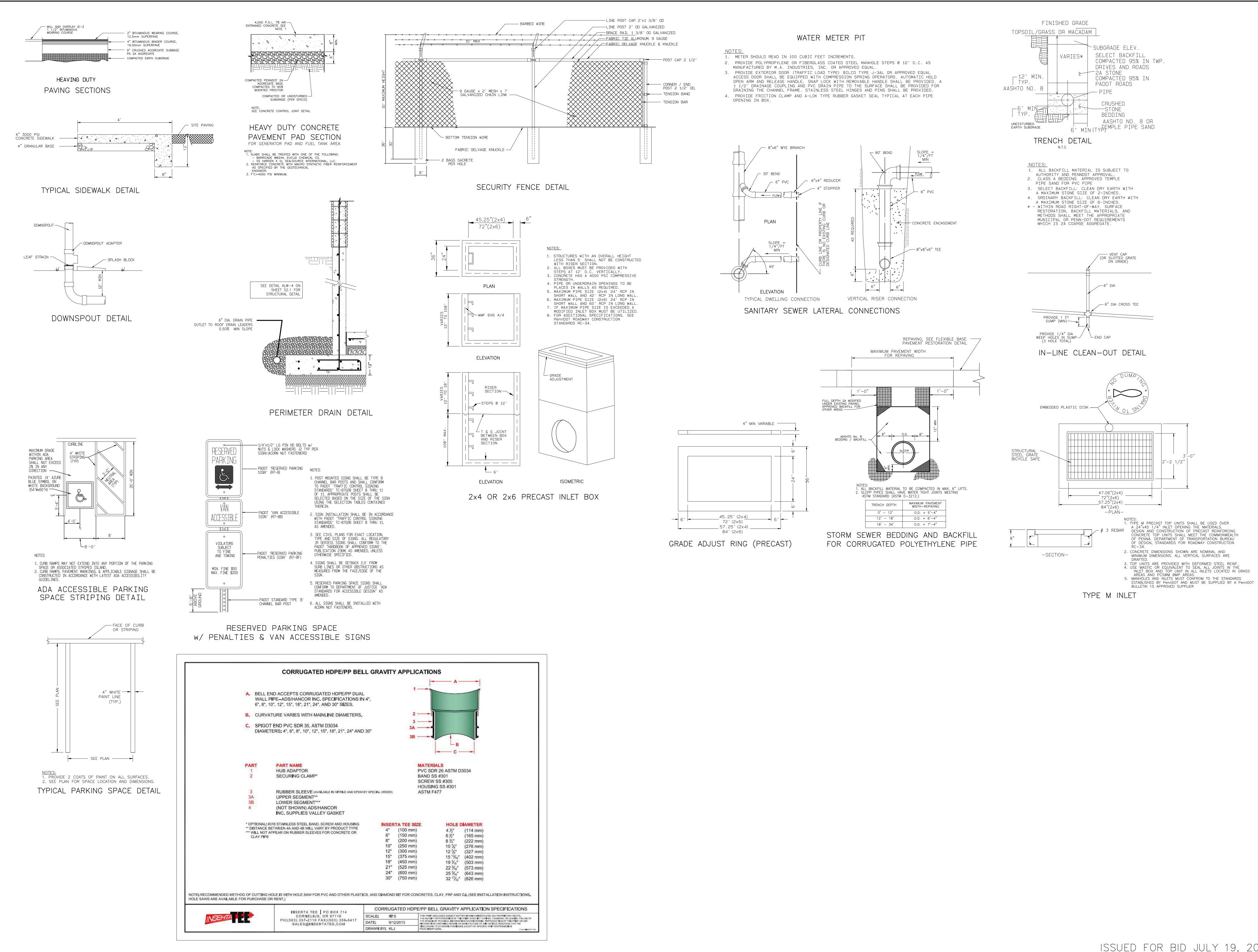
DTANICAL	COMMON NAME	PLANTING SIZE	NOTES
DE TREES			
ADRASTIS KENTUKEA	YELLOWWOOD	2 – 2 1/2" CALIPER	BB
TALPA SPECIOSA	NORTHERN CATALPA	2 – 2 1/2" CALIPER	BB
ES			
BIES FRASERI	FRASER FIR	8' – 10'	BB
EES			
ALESIA CAROLINA	SILVERBELL	6' – 8'	BB
ALUS	APPLE	6' – 8'	BB
TASEQUOIA GLYPTOSTROBOIDES	DAWN REDWOOD	2 – 2 1/2" CAL.	BB

LEGEND:

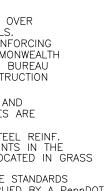
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~S	<i>EXISTING SANITARY SEWER & MANHOLE</i> PROPOSED SANITARY SEWER & MANHOLE	
	PROPOSED SANITARY LATERAL	
	EXISTING STORM SEWER & CATCH BASIN EXISTING WATER LINE & VALVE	
	EXISTING WATER SERVICE	
	PROPOSED WATER LINE & VALVE	SEA
	EXISTING FIRE HYDRANT & VALVE	
	PROPOSED WATER SERVICE	
	EXISTING ELECTRIC	
	PROPOSED ELECTRIC	
	EXISTING OVERHEAD WIRE EXISTING SPOT ELEVATION	
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	PROPOSED GROUNDCOVER/PERENNIAL	PRI
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	30' 60' 90'	
ISSUED FOR BI	D <u>JULY 19, 2023</u>	N





East 630 2500 Suite 555 Suite Wyorr PROFESSIONAL JAMES C. McCARTH \ENGINEER / V PE-051494E -Ē R BID V DETAILS FACILI LD FOF RUCTION VORKS ISSUE CONSTF LIC W UBL — 2 AWN BY: PROJ. MANAGEF AMK JCM INCIPAL: SCALE: JCM NOT TO SCAL SHEET NO. C6.0 PLAN NO. 230004-08- CD-06



19,	2023

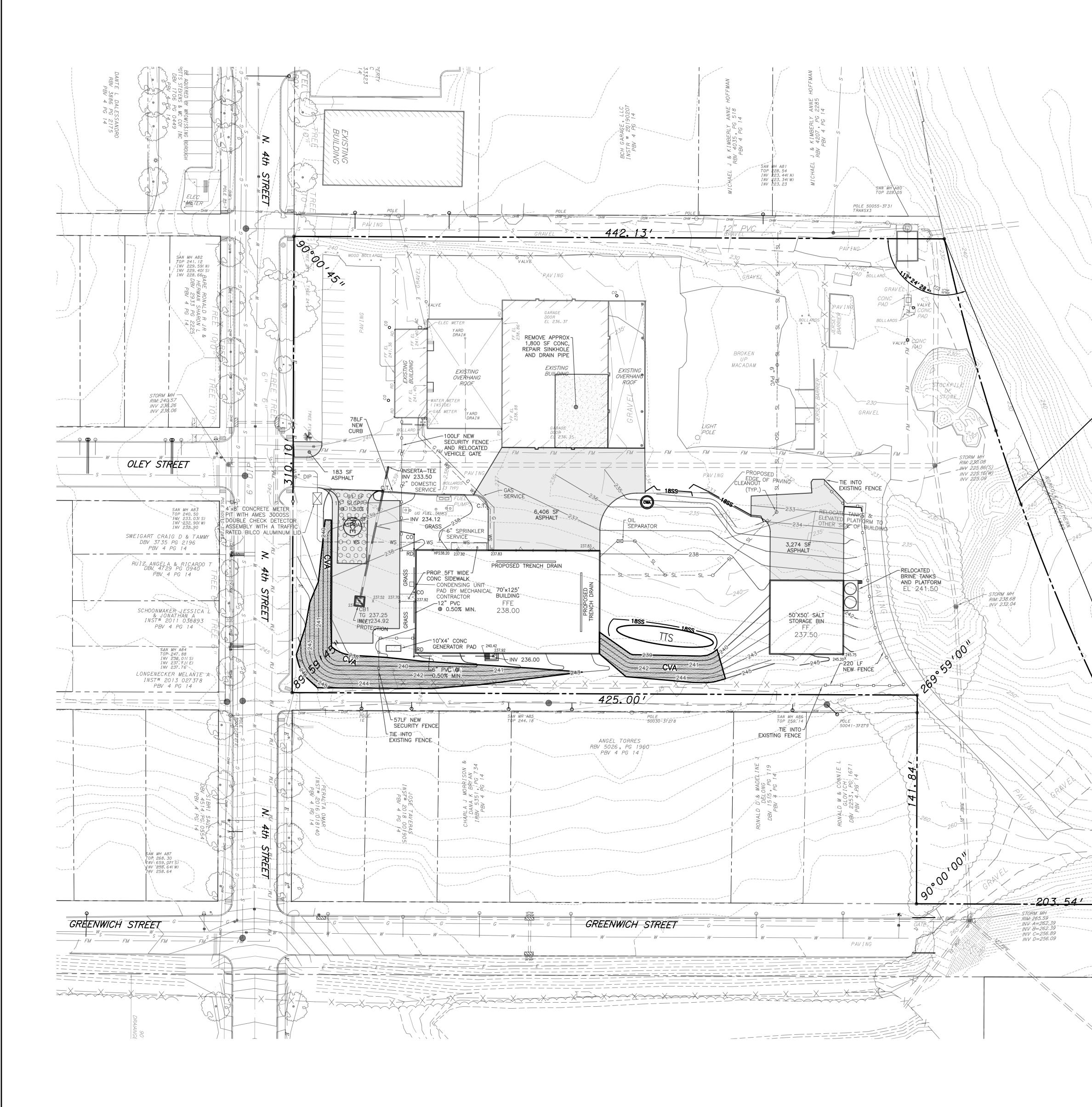
GENERAL NOTES: 1. THIS PLAN IS FOR IMPLEMENTATION OF E&S CONTROL MEASURES & FACILITIES ONLY, THIS PLAN SHOULD NOT BE USED FOR CONSTRUCTION

OF NON-E&S CONTROL IMPROVEMENTS.

SOILS LEGEND

UmB - URBAN LAND-DUFFIELD COMPLEX, O TO 8 PERCENT SLOPES (ENTIRE SITE)

RECEIVING WATERSHED AND CHAPTER 93 CLASSIFICATION: SCHUYLKILL RIVER – WWF,MF





ONECALL NOTES:

PENNSYLVANIA ACT 287, AS AMENDED BY ACT 121 REQUIRES NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE COMMONWEALTH.

ACT 287 UNDERGROUND UTILITY PROTECTION ACT, AS AMENDED BY ACT 121

- McCARTHY ENGINEERING ASSOCIATES, INC. HEREBY STATES THAT, PURSUANT TO THE PROVISIONS OF ACT NO. 121 OF OCTOBER 2008, OF THE PENNSYLVANIA LEGISLATURE, IT HAS PERFORMED THE FOLLOWING IN PREPARING THESE DRAWINGS REQUIRING EXCAVATION OR DEMOLITION WORK AT SITES WITHIN THE POLITICAL SUBDIVISION(S) SHOWN ON THE DRAWINGS: SHOWN ON THE DRAWINGS:
- PURSUANT TO SECTION 4, CLAUSE (2) OF SAID ACT, McCARTHY ENGINEERING ASSOCIATES, INC. REQUESTED FROM EACH USER'S OFFICE DESIGNATED ON SUCH LIST PROVIDED BY THE ONE CALL SYSTEM NOTIFICATION, THE INFORMATION PRESCRIBED BY SECTION 4, CLAUSE (2) OF SAID ACT, NOT LESS THAN (10) NOR MORE THAN (90) WORKING DAYS BEFORE FINAL DESIGN TO BE COMPLETED. 2. PURSUANT TO SECTION 4, CLAUSE (5) OF SAID ACT, McCARTHY ENGINEERING ASSOCIATES, INC. HAS MET THEIR OBLIGATIONS OF CLAUSE (2) BY CALLING THE ONE CALL SYSTEM SERVING THE LOCATION WHERE EXCAVATION IS TO BE PERFORMED.
- 3. PURSUANT TO SECTION 4, CLAUSE (3) OF SAID ACT, McCARTHY ENGINEERING ASSOCIATES, INC. HAS SHOWN UPON THESE DRAWINGS "THE POSITION AND TYPE OF EACH LINE, AS DERIVED PURSUANT TO THE REQUEST MADE AS REQUIRED BY CLAUSE (2), THE SERIAL NUMBER PROVIDED BY THE ONE CALL SYSTEM, THE TOLL-FREE ONE CALL SYSTEM PHONE NUMBER, AND THE NAME OF THE USER, THE USER'S DESIGNATED OFFICE ADDRESS AND PHONE NUMBER AS SHOWN ON THE LIST REFERRED TO IN SECTION 4, CLAUSE (5) OF SAID ACT."

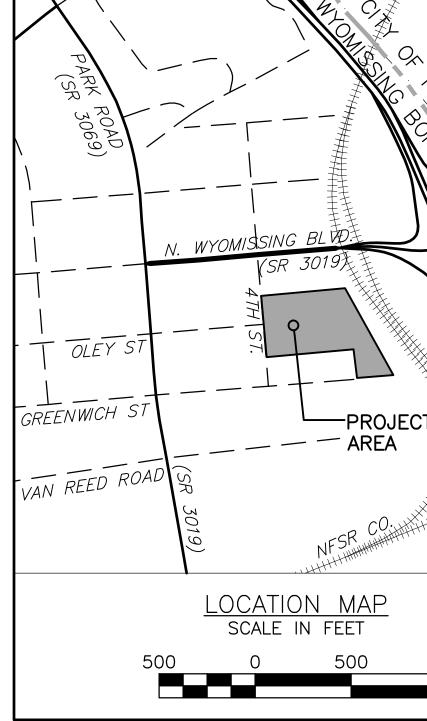
AND MCCARTHY ENGINEERING ASSOCIATES, INC. DOES NOT MAKE ANY REPRESENTATION, WARRANTY, ASSURANCE OR GUARANTEE THAT THE INFORMATION RECEIVED PURSUANT TO SAID REQUEST AND AS REFLECTED ON THESE DRAWINGS IS CORRECT OR ACCURATE, BUT MCCARTHY ENGINEERING ASSOCIATES, INC.. IS REFLECTING SAID INFORMATION ON THESE DRAWINGS ONLY DUE TO THE REQUIREMENTS OF THE SAID ACT NO. 121 OF OCTOBER 2008. ONE CALL SYSTEM SERIAL NO. NOTIFICATION BY MCCARTHY ENGINEERING ASSOCIATES, INC.. DATE: JUNE 23, 2021

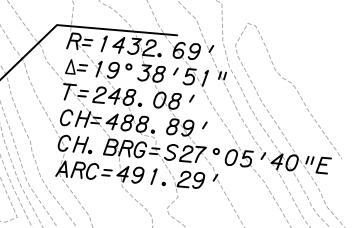
ONE CALL SYSTEM SERIAL NUMBER: 20211730550 UNDERGROUND UTILITY USERS:

UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE AND WERE DETERMINED FROM VISIBLE LOCATION, ACT 287, AS AMENDED BY ACT 121, UTILITY RESPONSES AND/OR BEST AVAILABLE PLAN INFORMATION. McCARTHY ENGINEERING ASSOCIATES, INC. CANNOT GUARANTEE THE EXACT LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES. AN EXACT LOCATION CAN ONLY BE OBTAINED BY SUBSURFACE EXPLORATION, WHICH IS NOT A PART OF THIS CONTRACT PERFORMANCE.

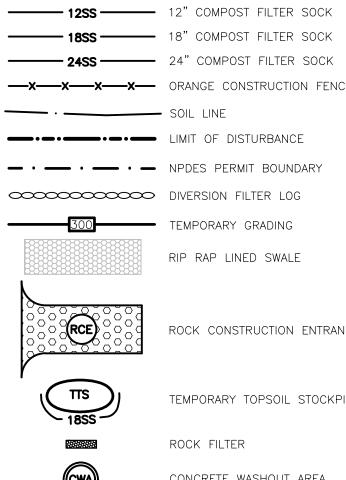
PA ONE CALL SYSTEM INFORMATION:

PENNSYLVANIA ACT 287, AS AMENDED BY ACT 121, REQUIRES THREE (3) WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND FIVE (5) WORKING DAYS NOTICE IN DESIGN STAGE. PA ONE CALL PHONE NUMBER: 1-800-242-1776





- MA



LEGEND:

RIP RAP LINED SWALE

ROCK CONSTRUCTION ENTRAN

TEMPORARY TOPSOIL STOCKPI

CONCRETE WASHOUT AREA

CURBED ROADWAY STORM INL PROTECTION AND BERM(S)

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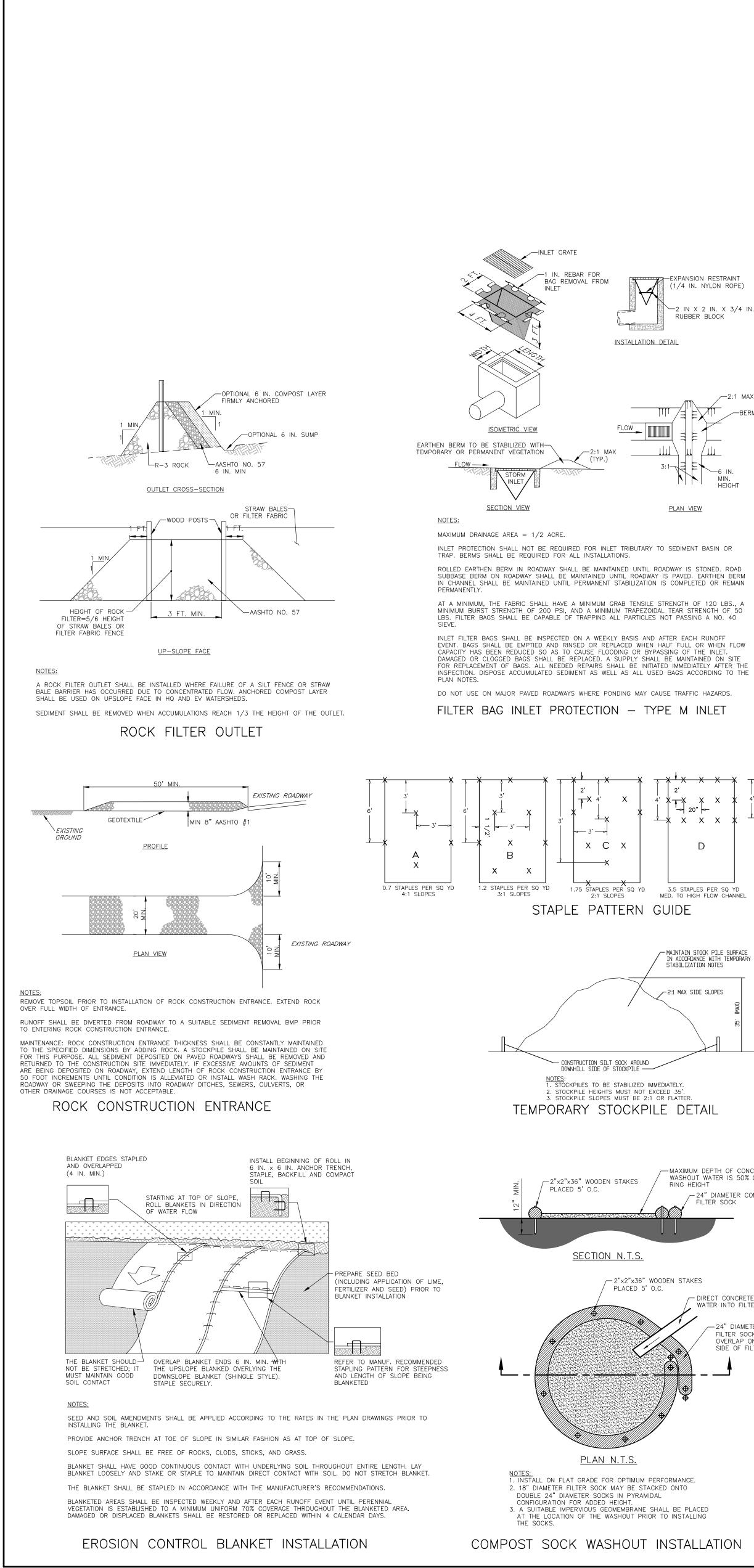
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							Description	This document and all information and work product represented by and contained herein, is the sole and exclusive property of McCarthy Engineering Associates, Inc. The information contained herein is licensed only for limited use by the intended recipient, and no license, permission or authority is extended, directly or implied, to any party without the express written permission of McCarthy Engineering Associates, Inc. Copyright, 2021, McCarthy Engineering Associates, Inc. All rights reserved
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DMPOST FILTER SOCK DMPOST FILTER SOCK E CONSTRUCTION FENCE INE DF DISTURBANCE PERMIT BOUNDARY ION FILTER LOG RARY GRADING P LINED SWALE CONSTRUCTION ENTRANCE RARY TOPSOIL STOCKPILE FILTER ETE WASHOUT AREA D ROADWAY STORM INLET CTION AND BERM(S) ACK RARY CHANNEL LINING AL VEGETATIVE AREA (C.V.A.) DOAST EROSION CONTROL BLANKET 2 MATTING OR EQUAL (TO BE DN ALL SLOPES 3:1 AND STEEPER) DUT STAKE	SEAL	<u> </u>	/ \		ES C.			555 Van Reed Road www.McCarthy—Engineering.com 2500 East High Street Suite 2 Wyomissing, PA 19610 Phone: 610.373.8001 Pottstown, PA 19464
Markar Samitary Sewer & Manhole Sed Samitary Lateral Markar Line & Valve Sed Water Line & Valve Sed Water Line & Valve Sed Water Service Markar Service Markar Service Sed Electric Sed Spot Elevation Sed Spot Elevation Markar Kalve Sed Contours Sed Contours Sed Contours Sed Contours Sed Service Markar Kalve Sed Telephone Sed Telephone Markar Kalve Sed Telephone Markar Kalve Sed Curb And Depressed Curb Sed Signs Markar Kalve Sed Fence Sed Fence Sed Fence Sed Telephone Markar Kalve Sed Curb And Depressed Curb Markar Kalve Ma	PRIN		1K L:			SCA	DJ. N. U.	C C C Ent: WYOMISSING BOROUGH Location: WYOMISSING BOROUGH, BERKS COUNTY, PENNSYLVANIA Date: JULY 19, 2023
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- DIRECT CONCRETE WASHOUT WATER INTO FILTER RING -24" DIAMETER COMPOST FILTER SOCK 4' MIN. OVERLAP ON UPSLOPE SIDE OF FILTER RING

WASHOUT WATER IS 50% OF FILTER - 24" DIAMETER COMPOST FILTER SOCK

3.8 STAPLES PER SQ YD 1:1 SLOPES

--**>** --- 20"

 $\frac{1}{1} \times \frac{1}{2} \times \frac{1}$ 4' **X** X X X <u>*</u>** × × × × * x x x

-2 IN X 2 IN. X 3/4 IN.

COMPOST FILTER SOCK

TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER SOCKS. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE BARRIER AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN. COMPOST FILTER SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION. BIODEGRADABLE COMPOST FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

PUMPED WATER FILTER BAG

PROPERTYTEST METHODMINIMUM STANDARDAVG. WIDE WIDTH STRENGTHASTM D-488460 LB/IN GRAB TEN ASTM D-4632 PUNCTURE ASTM D-4833 ASTM D-3786 ASTM D-4355 MULLEN BURST ____ UV RESISTANCE AOS % RETAINED ASTM D-4751 A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES SHALL BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/2 FULL OF SEDIMENT. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED. BAGS SHALL BE PLACED ON STRAPS TO FACILITATE REMOVAL UNLESS BAGS COME WITH LIFTING STRAPS ALREADY ATTACHED. BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREA, AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE UNDERLAYMENT AND FLOW PART SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE DISCHARGE CAPACITY. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5%. FOR SLOPES EXCEEDING 5%, CLEAN ROCK OR OTHER NON-ERODIBLE AND NON-POLLUTING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE STEEPNESS. NO DOWNSLOPE SEDIMENT BARRIER IS REQUIRED FOR MOST INSTALLATIONS. COMPOST BERM OR COMPOST FILTER SOCK SHALL BE INSTALLED BELOW BAGS LOCATED IN HQ OR EV WATERSHEDS, WITHIN 50 FEET OF ANY RECEIVING SURFACE WATER OR WHERE GRASSY AREA IS NOT AVAILABLE. THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC PIPE IS RECOMMENDED FOR THIS PURPOSE. THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHALL BE FLOATING AND SCREENED. FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.

NOTES:

FOLLOWING STANDARDS:

PROPERTY

WELL VEGETATED, GRASSY AREA DISCHARGE HOSE--INTAKE HOSE FILTER BAC -HEAVY DUTY LIFTING STRAPS (RECOMMENDED) <u>PLAN VIEW</u> -DISCHARGE HOSE FILTER BAG WELL VEGETATED, GRASSY AREA PUMP-/INTAKE HOSE-/ ELEVATION VIEW

TABLE 4.1 Compost Sock Fabric Minimum Specifications Heavy Duty Material Type 3 mil HDPE 5 mil HDPE 5 mil HDPE Multi-Filament Multi-Filament Polypropylene Polypropyle (MFPP) (HDMFPP Photo- Photo-Material Photo-Photoaracteristics degradable degrada Sock Diameters Mesh Opening Tensile Strength Ultraviolet 26 psi 44 psi 202 psi Ultraviolet Stability % Original 23% at 23% at 100% at Strength 1000 hr. 1000 hr. 1000 hr. (ASTM G-155) Minimum Functional 6 months 9 months 6 months 1 year 100% at 1000 hr. 2 years Longevity Two-ply systems HDPE biaxial net Continuously wound Fusion-welded junctures 3/4" X 3/4" Max. aperture size Composite Polypropylene Fabric (Woven layer and non-woven fleece mechanically fused via needle punch) Inner Containment Netting **Outer Filtration Mesh**

Sock fabrics composed of burlap may be used on projects lasting 6 months or less.

<u>SECTION</u>

DISTURBED AREA

· — _ _ ·

UNDISTURBED AREA

<u>PLAN VIEW</u>

SOCK FABRIC SHALL MEET STANDARDS OF TABLE 4.1 OF THE PA DEP EROSION CONTROL MANUAL. COMPOST SHALL MEET THE STANDARDS OF TABLE 4.2 OF THE PA DEP EROSION

COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE BARRIER SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY BARRIER SHALL NOT EXCEED THAT

SPECIFIED FOR THE SIZE OF THE SOCK AND THE SLOPE OF ITS TRIBUTARY AREA.

COMPOST FILTER SOCK BLOWN/PLACED FILTER MEDIA-

NOTES:

CONTROL MANUAL.

COMPOST

FILTER SOCK-

DISTURBED AREA

% (dry weight basis)

2 IN. x 2 IN. WOODEN STAKES PLACED 10 FT ON CENTER

CONTOURS

2 IN. x 2 IN.

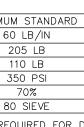
CENTER

WOODEN STAKES

PLACED 10 FT ON

UNDISTURBED AREA

MARAMAN



LOW VOLUME FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE MATERIAL SEWN WITH HIGH STRENGTH, DOUBLE STITCHED "J" TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS. HIGH VOLUME FILTER BAGS SHALL BE MADE FROM WOVEN GEOTEXTILES THAT MEET THE

			Rev.By	usive se by the the ociates, Inc.
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	· · ·			2500 East High Street Suite 630 Pottstown, PA 19464
		MERCARTHY	ENGINEERING ASSOCIATES, INC.	www.McCarthy—Engineering.com Phone: 610.373.8001
				555 Van Reed Road Suite 2 Wyomissing, PA 19610
SEAL:	JAMES			
		" PURITC WORKS FACILITY "		Client: WYOMISSING BOROUGH Location: WYOMISSING BOROUGH, BERKS COUNTY, PENNSYLVANIA Date: JULY 19, 2023
PRINCI	MK pal: CM	SC	ل ALE:	MANAGER: CM O SCALE

102.4(b)(3) E&S CONTROL PLAN/NARRATIVE PREPARER QUALIFICATIONS The Erosion and Sedimentation (E&S) Control Plan & Narrative Plan for this Project has been prepared by the firm of McCarthy Engineering Associates, Inc. The following information is presented in accordance with pertinent regulations regarding provision of qualifications demonstrating the proper training and experience of personnel to perform preparation of	disturbed areas. During non-germinating months, mulch or protective blanketing shall be applied as described on the plan. Areas not at finished grade, which will be reactivated within 1 year, may be stabilized in accordance with the temporary stabilization specifications. Those areas which will not be reactivated within 1 year shall be stabilized in accordance with the permanent stabilization specifications.	Topsoil should be uniformly distributed across the disturbed area to a depth of 6 inches minimum - 2 inches on fill out slopes. Spreading should be done in such a manner that sodding or seeding can proceed with a minimum of additional preparation or tillage. Irregularities in the surface resulting from topsoil placement should be corrected in order to prevent formation of depressions.	4. Upon completion of an earth disturbance activity or any stage or phase of an activity, the operator shall stabilize immediately the disturbed areas to protect from accelerated erosion. During non-germinating periods, mulch must be applied at the specified rates. Disturbed areas which are not at finished grade and which will not be redisturbed within 4 days must be stabilized in accordance with temporary seeding specifications. Disturbed areas, which are either at finished grade or will not be activity in the activity of a second areas with a specifications.
E&S Control plans and narratives.	After final site stabilization has been achieved, temporary erosion and sedimentation controls must be removed. Areas disturbed during removal of the controls must be stabilized immediately.	Topsoil should not be placed while the topsoil or subsoil is in a frozen or muddy condition, when the subsoil is excessively wet, or in a condition that may otherwise be detrimental to proper grading and seedbed preparation. Compacted soil should be scarified 6 to 12 inches along contour wherever possible prior to seeding.	 be redisturbed within 1 year, must be stabilized in accordance with permanent seeding specifications. 5. Should unforeseen erosive conditions develop during construction, the contractor shall take action to remedy such conditions and to prevent damage to adjacent properties as a result of increased runoff and/or sediment displacement.
McCarthy Engineering Associates, Inc. 555 Van Reed Road Wyomissing, PA 19610	The contractor is advised to become thoroughly familiar with the previsions of the Appendix 64, Erosion Control Rules and Regulations, Title 25, Part 1, Department of Environmental Protection, Subpart C, Protection of Natural Resources, Article III, Water Resources, Chapter 102, Erosion Control.	GENERAL SEEDING AND SURFACE STABILIZATION CRITERIA	Stockpiles of wood chips, hay bales, crushed stone and other mulches shall be held in readiness to deal immediately with erosion emergencies.
(610) 373-8001 (610) 373-8077 (fax).	Failure to correctly install E&S BMP's, failure to prevent sediment-laden runoff from leaving the construction site, or failure	All disturbed areas that have not otherwise been stabilized and have significant potential for erosion should be stabilized with	6. Sediment shall be removed from sediment traps when sediment level reaches the elevation indicated on the plan detail.
www.mccarthy-engineering.com McCarthy Engineering Associates, Inc. is a professional consulting firm located in Wyomissing, Pennsylvania, and	to take immediate corrective action to resolve failure of E&S BMP's may result in administrative, civil, and/or criminal penalties being instituted by the Department as defined in Section 602 of the Pennsylvania Clean Streams Law. The Clean Streams Law provides for up to \$10,000 per day in civil penalties, up to \$10,000 in summary criminal penalties, and up to	vegetation. This includes graded areas where it is anticipated that future earthmoving will take place within the coming year. Areas that will be subject to earthmoving within 12 months may be stabilized with temporary seed mixtures, predominantly annual grasses. All others should be stabilized with permanent seed mixes - predominantly perennial grasses. When final grade	7. Sediment must be removed from inlet protection after each runoff event, or when the distance between the grate and the sediment level is reduced to 18".
incorporated in 2000. The firm provides professional engineering and environmental services to clients in the land development and subdivision business.	\$25,000 in misdemeanor criminal penalties for each violation.All fills shall be compacted as required to reduce erosion, slippage, settlement, subsidence or other related problems. Fill	is achieved during non-germinating months, the area should be mulched until the beginning of the next planting season at the specified rates under "Stabilization During Non-Germination Periods". However, the area will not be considered stabilized until a minimum uniform 70% vegetative cover of erosion resistant perennial species has been achieved. NOTE : Areas that do	8. The sediment trapped behind the compost filter sock must be removed at the proper time in order for the barriers to be effective. They will be cleaned when the sediment level reaches one-half the height of the sock.
102.4(b)(5)(i) THE EXISTING TOPOGRAPHIC FEATURES OF THE PROJECT SITE AND THE IMMEDIATE SURROUNDING AREA	intended to support buildings, structures and conduits, etc. shall be compacted in accordance with local requirements or codes.	not receive sufficient sunlight to support vegetation (e.g. under bridge decks) should be stabilized by some means other than vegetation.	 At the end of each working day, any and all sediment tracked onto, or conveyed by other means, onto a public roadway,
The E&S Control Plan prepared for this Project depicts all existing and proposed topographical features and improvements. All existing streams, wetlands and receiving watercourses are shown on the plan. In addition, the proposed facilities relating to temporary and permanent erosion and sedimentation control are indicated. Existing Topographical information presented was	All earthen fills shall be placed in compacted layers not to exceed 9 inches in thickness .	As disturbed areas within a project approach final grade, preparations should be made for seeding and mulching to begin (i.e. anticipate the completion date and schedule the seeder). In no case should an area exceeding 15,000 square feet, which is to be	will be removed and redeposited onto the construction site. Removal can be completed though use of either machinery or by hand tools, but under no circumstances shall be washed off the road by use of water.
obtained and compiled from actual field surveys. A U.S.G.S. Location Map is provided in the appendix of this report. A location map is also provided on the E&S Control Plan.	Fill materials shall be free of frozen particles, brush, roots, sod, or other foreign or objectionable materials that would interfere with or prevent construction of satisfactory fills.	stabilized by vegetation, reach final grade without being seeded and mulched. Waiting until earthmoving is completed before making preparations for seeding and mulching is not acceptable.	10. Seeded area will be restored, reseeded and mulched immediately should any damage or disturbance occur. The temporary control facilities shall be properly maintained until final stabilization of the construction area is complete.
EXISTING TOPOGRAPHIC FEATURES OF SPOIL, BORROW AND RELATED AREAS NOT LOCATED WITHIN PRIMARY PROJECT AREA.	Frozen materials or soft, mucky, or highly compressible materials shall not be incorporated into fills.	Before the seeding begins, topsoil should be applied and any required soil amendments worked into the soil to a depth of 4 to 6 inches. If compost is to be added to the topsoil, it should be worked into the soil with the other soil amendments unless it is being applied as an erosion control BMP.	11. Sediment removed from E&S Control measures/facilities shall be disposed of in landscaped areas outside of steep
All soil disturbance will take place within the boundaries of the tract being developed. Areas required for spoil, borrow, stockpiling and similar activities will be confined to areas of the tract slated for development.	Fill shall not be placed on saturated or frozen surfaces.	Diversion channels, terraces, interceptor channels, channels of conveyance, sediment basins, sediment traps and stockpiles	slopes, wetlands, floodplains and drainage swales and immediately stabilized or placed in topsoil stockpiles. An E&S Control Plan shall be submitted to the local Conservation District for all off-site spoil areas.
102.4(b)(5)(ii) THE TYPES, DEPTH, SLOPE, LOCATIONS AND LIMITATIONS OF THE SOILS The project site is comprised of the soils types as listed below. Information relating to soils types were obtained from the Web	Seeps or springs encountered during construction shall be handled in accordance with the standard and specification for subsurface drain or other approved method.	must be seeded and mulched immediately as specified under "Permanent Vegetative Surface Stabilization".	12. All sediment shall be redeposited onto the construction site and immediately stabilized with permanent vegetative surface stabilization. If the material is to be hauled off site it shall be disposed of in accordance with all PADEP regulations including but not limited Chapter 102 and the standards for solid waste menagement. All requestions and disposed of
Soil Survey for Berks County, Pennsylvania. The soils listed below are delineated on the E&S Control Plan.	All graded areas shall be permanently stabilized immediately upon reaching finished grade. Cut slopes in competent bedrock and rock fills need not be vegetated. Seeded areas within 50 feet of a surface water, or as otherwise shown on the plan	TEMPORARY VEGETATIVE SURFACE STABILIZATION	including but not limited Chapter 102 and the standards for solid waste management. All recycling and disposal of construction wastes shall be in accordance with PADEP solid waste management regulations.
Urban Land Duffield Complex. SOIL LIMITATIONS & RESOLUTIONS	drawings, shall be blanketed according to the standards of this plan.	Upon temporary cessation of an earth disturbance activity or any stage or phase of an activity where a cessation of earth disturbance activities will exceed 4 days, the site shall be immediately seeded, mulched, or otherwise protected from accelerated erosion and sedimentation pending future earth disturbance activities.	13. The operator shall remove from the site, recycle or dispose of all building materials and wastes in accordance with PADEP's Solid Waste Management Regulations at 25 PA Code 260.1 et seq., 271.1.e. seq. and 287.1 et seq.
Soil limitations and resolutions can be found in Appendix A of this report.	E&S BMPs shall remain functional as such until all areas tributary to them are permanently stabilized or until they are replaced by another BMP approved by the local conservation district or the Department.	For an earth disturbance activity or any stage or phase of an activity to be considered temporarily stabilized, the disturbed areas shall be covered with one of the following:	and construction materials/wastes. Channels should be kept mowed and/or mee of an weedy, brushy of woody growth. Any
HYDRIC SOILS Based on the Web Soil Survey, no hydric soils are present at 601 N. 4 th Street.	Upon completion of all earth disturbance activities and permanent stabilization of all disturbed areas, the owner and/or operator shall contact the local conservation district to schedule a final inspection prior to removal/conversion of the E&S	a. A minimum uniform coverage of mulch and seed, with a density capable of resisting accelerated erosion and	underground utilities running across/ through the channel(s) shall be immediately backfilled and the channel(s) repaired and stabilized per the channel cross-section detail.
102.4(b)(5)(iii) THE CHARACTERISTICS OF THE EARTH DISTURBANCE ACTIVITY, INCLUDING THE PAST, PRESENT, AND PROPOSED LAND USES AND THE PROPOSED ALTERATION TO THE PROJECT	BMPs. After final site stabilization has been achieved, temporary erosion and sediment BMPs must be removed or converted to	sedimentation.	15. Stormwater inlets, which do not discharge to sediment traps or basins, must be protected until the tributary areas are stabilized.
SITE This project includes the addition of a new building, as well as several storage units, to the existing Wyomissing Public Works	permanent post construction stormwater management BMPs. Areas disturbed during removal or conversion of the BMPs shall be stabilized immediately. In order to ensure rapid revegetation of disturbed areas, such removal/conversions are to be	 An acceptable BMP which temporarily minimizes accelerated erosion and sedimentation. The following activities shall be undertaken to achieve temporary stabilization of all exposed and disturbed soil areas as 	16. Control Measures and facilities, both temporary and permanent will be maintained during the progress of the work. This will be done by implementing a program of proper disposal of materials and frequent removal of solid materials from the
facility. The project is located on the east side of 4 th Street, at its intersection with Oley Street. The existing land use is meadows.	done only during the germinating season . 102.4(B)(5)(vii) A SEQUENCE OF BMP INSTALLATION AND REMOVAL IN RELATION TO THE SCHEDULE	required or directed.	control facilities. The contractor will inform all construction site workers about the major provisions of the E&S Control Plan.
The proposed improvements include a 8,750 square foot building containing offices, a mechanic shop and wash bay. In addition to these improvements, there will be a 2,500 square foot salt storage bin. The proposed building will be serviced by public sewer and water.	OF EARTH DISTURBANCE ACTIVITIES, PRIOR TO, DURING AND AFTER EARTH DISTURBANCE ACTIVITIES	 Tilling - Upon suspension of grading activities in disturbed areas, surface soil shall be tilled and loosened. Tilling may be omitted if soil is sufficiently loose to permit seeding activities. 	102.4(b)(5)(xi) PROCEDURES WHICH ENSURE THAT THE PROPER MEASURES FOR THE RECYCLING OR DISPOSAL OF MATERIALS ASSOCIATED WITH OR FROM THE PROJECT SITE WILL BE UNDERTAKEN
All proposed physical alterations to the tract have been depicted and indicated on the project plans. The limits of construction have been delineated on the E&S Control Plans and include all proposed alterations as described above. Off-tract development	CONSTRUCTION SEQUENCE	2) Lime Application - Ground limestone shall be applied to the loosened soil at a uniform rate of 46 pounds per 1000 square feet. This rate is in pounds of agricultural grade limestone per 1000 square feet. (1 ton/acre * 2000 lb/ton * 1 ac/43.56x10^3	IN ACCORDANCE WITH DEPARTMENT REGULATIONS
will include connection to water mains and other utilities. All soil disturbances will take place within the boundaries of the tract being developed.	1. All earth disturbance activities shall proceed in accordance with the following sequence. Each stage shall be completed in compliance with Chapter 102 regulations before any following stage is initiated. Clearing and grubbing shall be limited	sf = 46 pounds per 1000 square feet)	Individuals responsible for earth disturbance activities must ensure that proper mechanisms are in place to control waste materials. Construction wastes include, but are not limited to, excess soil materials, building materials, concrete wash water, sanitary wastes, etc. that could adversely impact water quality. Measures should be planned and implemented for
102.4(b)(5)(v) THE LOCATION OF WATERS OF THE COMMONWEALTH WHICH MAY RECEIVE RUNOFF WITHIN OR FROM THE PROJECT SITE AND THEIR CLASSIFICATION PURSUANT TO CHAPTER 93 OF	only to those areas described in each stage.	3) Fertilizer Application - 5-5-5 Fertilizer shall be applied to the loosened soil at a uniform rate of 5 pounds per 1000 square feet.	housekeeping, materials management, and litter control. Wherever possible, recycling of excess materials is preferred, rather than disposal.
THIS TITLE No streams, wetlands and floodplain / floodways exist on the development site.	2. At least 7 days before starting any earth disturbance activities, the operator shall invite all contractors involved in those activities, the landowner, all appropriate municipal officials, the E&S Control plan preparer, and a representative of the Berks County Conservation District to schedule an on-site pre-construction meeting. In addition, at least 3 days before starting any	4) Temporary Seeding - the following seed mixture shall be applied to the prepared soil surface by broadcast spreaders or hydraulic application according to the following rates of application:	Before disposing of soil or receiving borrow for the site, the operator must assure that each spoil or borrow area has an erosion and sediment control plan approved by the local county conservation district, and which is being implemented and maintained
Receiving watercourse for this project is the Schuylkill River, which has a Chapter 93 Classification of WWF, MF (warm water fishes, migratory fishes). The Schuylkill River also has a TMDL for PCB.	earth disturbance activities, all contractors involved in those activities shall notify the Pennsylvania One Call System Inc. at 1-800-242-1776 for buried utilities location.	Temporary Seeding - Annual rye grass shall be applied at a rate of four pounds Pure Live Seed per 1,000 square feet.	according to DEP Chapter 102 regulations. All recycling or disposal of materials shall be also in accordance with DEP Chapter 102 regulations.
water fishes, inigratory fishes). The Schuyikin Kiver also has a TMDL for FCD.	3. Before implementing any revisions to the approved E&S Control Plan or revisions to other plans that may affect the effectiveness of the approved E&S Control Plan, the operator must receive approval of the revisions from the Berks County Conservation District.	After mechanical seeding, seed shall be covered by means of light raking to a depth of one-quarter inch of soil.	NOTATION REGARDING CLEAN FILL AND ENVIRONMENTAL DUE DILIGENCE
102.4(b)(5)(vi) A WRITTEN DEPICTION OF THE LOCATION AND TYPE OF PERIMETER AND ON SITE BMPs USED BEFORE, DURING, AND AFTER THE EARTH DISTURBANCE ACTIVITY	 The operator shall remove from the site, recycle or dispose of all building materials and waste in accordance with the 	5) Hay or straw mulch shall be applied at a rate of 3 tons/acre.	If the site will need to import or export material from the site, the responsibility for performing environmental due diligence and determination of clean fill will rest with (Responsible Party).
The following E&S control devices will be employed for the purposes of controlling and mitigating erosion and sediment pollution on this Project, on a temporary basis during the active construction phases of the project. Proper employment, utilization and maintenance of these facilities should result in minimal negative impacts until final stabilization is achieved	Department's Solid Waste Management Regulations at 25 PA Code 260.1 et seq., 271.1 e. seq. and 287.1 et seq. No building materials or wastes or unused building materials shall be burned, buried, dumped, or discharged at the site.	Rule of thumb: If you are seeing a lot of bare ground, there is not enough straw. (Caution: Too much straw can be as harmful as too little straw.)	Clean Fill is defined as: Uncontaminated, non-water soluble, non-decomposable, inert, solid material. The term includes soil, rock, stone, dredged material, used asphalt, and brick, block or concrete from construction and demolition activities that is
upon completion of the project.	5. Before disposing of soil or receiving borrow for the site, the operator must assure that each spoil or borrow area has an E&S Control plan approved by the Berks County Conservation District, and which is being implemented and maintained	Mulches should be applied at the rates shown in Table 11.6	separate from other waste and is recognizable as such. The term does not include materials placed in or on the waters of the Commonwealth unless otherwise authorized. (The term "used asphalt" does not include milled asphalt or asphalt that has been processed for re-use). Clean Fill affected by a spill or release of a regulated substance: Fill materials affected by a spill or
CONSTRUCTION ENTRANCE / CONSTRUCTION PROTECTION FENCING Temporary construction entrances are to be constructed of crushed stone with the mat having a minimum depth of eight	according to Chapter 102 regulations. The operator shall also notify the Berks County Conservation District in writing of all receiving spoil and borrow areas when they have been identified.	Straw and hay mulch should be anchored or tackified immediately after application to prevent being windblown. A tractor-drawn implement may be used to "crimp" the straw or hay into the soil about 3 inches. This method should be	release of a regulated substance still qualifies as clean fill provided the testing reveals that the fill material contains concentrations of regulated substances that are below the residential limits in Tables FP-1a and FP-1b found in the Department's policy "Management of Fill". Any person placing clean fill that has been affected by a spill or release of a
inches. The entrance mat will extend a minimum of 50 feet into the project from the existing edge of pavement line on the adjacent roadway. The width of the stone mat will be at least the width of access drive.	6. Mark, flag or stake the limits of disturbance (LOD) prior to any disturbance activities by means deemed acceptable by the Berks County Conservation District (i.e.i.e., survey stakes, posts, and rope, construction fence, etc.	limited to slopes no steeper than 3H:1V. The machinery should be operated on the contour. Note: Crimping of hay or straw by running over it with tracked machinery is not recommended.	regulated substance must use form FP-001 to certify the origin of the fill material and the results of the analytical testing to qualify the material as clean fill. Form FP-001 must be retained by the owner of the property receiving the fill. A copy of
COMPOST FILTER SOCK	NOTE: Disturbed areas which are not at finished grade and which will not be redisturbed within 4 days must be stabilized in accordance with temporary seeding specifications. Disturbed areas, which are either at finished grade or will not	Polymeric and gum tackifiers mixed and applied according to manufacturer's recommendations may be used to tack mulch. Avoid application during rain and on windy days. A 24-hour curing period and a soil temperature higher than 45F	Form FP-001 can be found at the end of these instructions. Environmental due diligence: The applicant must perform environmental due diligence to determine if the fill materials associated with the project qualify as clean fill.
Compost Filter Sock shall be installed as indicated on the project E&S Control Plan at designated downslope, perimeter areas of the tract. The compost filter sock is temporary in nature. Compost Filter Socks consist of a biodegradable or	be redisturbed within 1 year, must be stabilized in accordance with permanent seeding specifications.	are typically required. Application should generally be heaviest at edges of seeded areas and at crests of ridges and banks to prevent loss by wind. The remainder of the area should have binder applied uniformly. Binders may be applied after mulch is spread or sprayed into the mulch as it is being blown onto the soil. Applying straw and binder together is	Environmental due diligence is Defined as: Investigative techniques, including, but not limited to, visual property inspections, electronic data base searches, review of property ownership, review of property use history, Sanborn maps, environmental questionnaires, transaction screens, analytical testing, environmental assessments or audits. Analytical testing is not a required
photodegradable mesh tube filled with a coarse compost filter media that meets certain performance criteria including hydraulic flow through rate and solids removal, turbidity reduction, nutrient removal, metals removal and motor oil removal efficiencies.	NOTE: As disturbed areas within a project approach final grade, preparations should be made for seeding and mulching to begin (i.e. anticipate the completion date and schedule the seeder). In no case should an area exceeding 15,000 square feet, which is to be stabilized by vegetation, reach final grade without being seeded and mulched. Waiting until earthmoving is	generally more effective. Synthetic binders, or chemical binders, may be used as recommended by the manufacturer to anchor mulch provided	part of due diligence unless visual inspection and/or review of the past land use of the property indicates that the fill may have been subjected to a spill or release of regulated substance. If the fill may have been affected by a spill or release of a regulated substance, it must be tested to determine if it qualifies as clean fill. Testing should be performed in accordance with Appendix
ROCK FILTER OUTLETS	completed before making preparation for seeding and mulching is not acceptable.	sufficient documentation is provided to show they are non-toxic to native plant and animal species.	A of the Department's policy "Management of Fill". Fill material that does not qualify as clean fill is regulated fill. Regulated fill is waste and must be managed in accordance with the Department's municipal or residual waste regulations based on 25 Pa.
Rock filter outlets shall be immediately provided at locations where silt sock has been undermined or topped and shall be maintained until the removal of the silt fence. Temporary Rock Filter Outlets shall be constructed as indicated on the detail	NOTE: For any step in this sequence that pertains to grading and achieving finished grade and the replacement the replacement of topsoil, finished grade in ana lawn area shall be accomplished by replacement of topsoil, per the procedures specified in the Topsoil Application section of this narrative, to bring those areas to finished grade prior to permanent	Mulch on slopes of 8% or steeper should be held in place with netting. Lightweight plastic, fiber, or paper nets may be stapled over the mulch according to manufacturer's recommendations.	Code Chapters 287 Residual Waste Management or 271 Municipal Waste Management, whichever is applicable. These regulations are available on-line at www.pacode.com .
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Erosion control blankets should be used for all seeded areas within 50 feet of a surface water, or good exists and the manufacturer's recommendations. CONCRETE WASHOUT A concrete wash area will be provided to clean out concrete delivery trucks and equipment used in concrete work. The diameter of the circular area, bounded by 24" silt sock, will be approximately 12 ft. ENDERAL NOTES The project developer anticipates commencement of construction activities immediately following the receipt of a Final Plan Approval for the site modifications described above. The below listed activities are presented in the general order of proper, logical and anticipated occurrence. Deviations to the indicated order may be required at such time as conditions merit. Such deviations should only be undertaken if necessary and in such a manner that the integrity of the overall project E&S Control Plan is maintained. 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The operator shall assure that an erosion and sediment control plan has been prepared by the applicant, submitted to and approved by the Berks Conservation District, and is being implemented and maintained for all soil and/or rock spoil and borrow areas, regardless of their locations. 9. Before initiating any revisions to the approved erosion and sediment control plan or revisions to other plans which may affect the effectiveness of the approved E&S control plan, the operator must receive approval of the revisions from the Berks County Conservation District. 10. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE. EACH STAGE SHALL BE COMPLETED BEFORE ANY FOLLOWING STAGE IS INITIATED. CLEARING AND GRUBBING SHALL BE LIMITED ONLY TO THOSE AREAS DESCRIBED IN EACH STAGE. 11. Erosion and sediment BMPs must be constructed, stabilized and functional before site disturbance begins with the tributary areas of those BMPs. 12. Rock construction entrances shall be installed at the intersection of 4th Street and Oley Street, extending into the project site. 13. Install compost filter sock and construction protection fence as shown on the E&S Control Plan. Place construction fence along the perimeter of the infiltration BMPs. 14. Upon	 stapled over the mulch according to manufacturer's recommendations. Shredded paper hydromulch should not be used on slopes steeper than 5%. Wood fiber hydromulch may be applied on steeper slopes provided a tackifier is used. The application rate for any hydromulch should be 2,000 lb/acre at a minimum. STABILIZATION DURING NON-GERMINATION PERIODS During non-germination periods, mulch must be applied to disturbed areas at a rate of 3 tons/acre. The non-germination period shull be determined based on current weather conditions; it is generally the period from October 15 to March 15. Areas mulched during non-germination periods must be limed, fertilized, seeded and mulched immediately. PERMANENT VEGETATIVE SURFACE STABILIZATION 1) Tilling - Upon completion of finished grading activities, surface soil shall be tilled and loosened. Tilling may be omitted if soil is sufficiently loosened following the final grading activities. 2) Lime Application - Ground limestone shall be applied to the loosened soil at a uniform rate of 184 pounds per 1000 square feet. This rate is in pounds of agricultural grade limestone per 1000 square feet. 3) Base Fertilizer Application - Fertilizer shall be applied to the soil at the rate established by the soil testing, as required to accommodate proper growth of the seed mixture. The following base fertilizer application rate shall be applied at a uniform rate of 25 pounds per 1,000 square feet. 4) Mixing - Ground limestone and fertilizer shall be mixed with the soil to a depth of four inches through use of suitable equipment. 5) Seeding - Seed mixture shall be applied to the prepared soil surface by broadcast spreaders or hydraulic application according to the following rates of application: Permanent Seeding - A mixture of Kentucky 31 Tall Fescue - 47%, Creeping Red Fescue - 50%, and Redtop - 3% shall be applied at a rate of 3 tons/acre. 6) Hay or straw mulch shall be appli	regulations are available on-line at www.pacode.com . 102.4(b)(5)(xii) GEOLOGIC FORMATION/SOIL CONDITIONS THAT MAY HAVE POTENTIAL TO CAUSE POLLUTION There is minimal potential for geologic or soil conditions to cause pollution during construction. Major components of the underlying geology are sandstone and shale. Limestone is a minor component. If sinkholes or depressions form, the developer will contact a Professional Geologist or hydrogeologist for recommendations on site mitigation. Existing waste (i.e. asphalt and concrete) will be disposed in accordance with PaDEP's Solid Waste Management Regulation at 25 PA Code 260.1 et. Seq.; 271.1 et, seq.; and 287.1 et, seq. 102.4(b)(5)(xiii) POTENTIAL THERMAL IMPACTS TO SURFACE WATER During construction, thermal impacts will be addressed primarily though the use of compost filter sock and temporary vegetative stabilization. Additionally, Stormwater discharges, in both existing and proposed conditions, to a grass swale running through a heavily shaded to the Schuylkill River. E&S MINIMIZES EARTH DISTURBANCE DURATION & SOIL COMPACTION The extent and duration of earth disturbance is minimized through the construction sequence by specifying the amount of area
maintained until the removal of the silt fence. Temporary Rock Filter Outlets shall be constructed as indicated on the detail sheet. PUMPED WATER FILTER BAC The provided as shown on the plans. Pump intake shall be maintained a sufficient distance from the bottom to prevent sediment from entering the system. Pump flow rates are not to exceed 50% of maximum flow rate as indicated by the manufacturer. Monitor and evaluate entire pumping and filtering operation to assure that the bag continues to function properly. Replace the filter has when it is 1/2 full of sediment or when the sediment has reduced the discharged flow rate on impractical rate or as directed by the inspector on-site. EXOSION CONTROL BLANKETB Torsion control blankets should be used on all slopes that are 3H:1V or steeper and where potential exists for sediment polytator to receiving surface waters. Erosion control blankets should be used for all seeded areas within 50 feet of a surface vater, regardless of slope. 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Anon-mergency deviations from the approved plans shall be validated by the Berks County Conservation District office before any adjustments are m	 replacement of topsoil, finished grade in ana haw area shall be accomplished by replacement of topsoil, partication section of this marrative, to bring those areas to finished grade prior to permanent topsoil aball be at a depth that is equivalent to the predevelopment topsoil sets than 6-inches, replace topsoil at a minimum depth of 6-inches. Soil testing shall be performed to determine actual line and fertilizer rates, which shall be used in lieu of the provided application rates. 7. The operator shall assure that the approved erosion and sediment control plan is properly and completely implemented. 8. The operator shall assure that an erosion and sediment control plan has been prepared by the applicant, submitted to and approved by the Berks Conservation District, and is being implemented and maintained for all soil and/or rock spoil and borrow areas, regardless of their locations. 9. Before initiating any revisions to the approved erosion and sediment control plan or revisions to other plans which may affect the effectiveness of the approved E&S control plan, the operator must receive approval of the revisions from the Berks County Conservation District. 10. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE. EACH STAGE SHALL BE LIMITED ONLY TO THOSE AREAS DESCRIBED IN EACH STAGE. 11. Erosion and sediment BMPs must be constructed, stabilized and functional before site disturbance begins with the tributury areas of those BMPs. 12. Rock construction entrances shall be installed at the intersection of 4th Street and Oley Street, extending into the project site. 13. Install compost filter sock and construction protection fence as shown on the E&S Control Plan. Place construction fence along the perimeter of the infiltration BMPs. 14. Upon installation or stabilization of E&S BMPs, clearing and grubbing of the site may begin. 15. Strip and stockpile topsoil and store in stockpile stor	 stapled over the mulch according to manufacturer's recommendations. Shredded paper hydromulch should not be used on slopes steeper than 5%. Wood fiber hydromulch may be applied on steeper slopes provided a tackiffer is used. The application rate for any hydromulch should be 2,000 lb/acre at a minimum. STABILIZATION DURING NON-GERMINATION PERIODS During non-germination periods, mulch must be applied to disturbed areas at a rate of 3 tons/acre. The non-germination period shall be determined based on current weather conditions; it is generally the period from October 15 to March 15. Areas mulched during non-germination periods must be limed, fertilized, seeded and mulched immediately. PERMANENT VEGETATIVE SURFACE STABILIZATION 1) Tilling - Upon completion of finished grading activities, surface soil shall be tilled and loosened. Tilling may be omitted if soil is sufficiently loosened following the final grading activities. 2) Lime Application - Ground limestone shall be applied to the loosened soil at a uniform rate of 184 pounds per 1000 square feet. 3) Base Fertilizer Application - Fertilizer shall be applied to the soil at the rate established by the soil testing, as required to accommodate proper growth of the seed mixture. The following base fertilizer application rate shall be employed: As a minimum, 10 - 20 - 20 Fertilizer shall be applied at a uniform rate of 25 pounds per 1,000 square feet. a seeding - Seed mixture shall be applied to the prepared soil surface by broadcast spreaders or hydraulic application according to the following rates of application: Permanent Seeding - A mixture of Kentucky 31 Tall Fescue - 47%, Creeping Red Fescue - 50%, and Redtop - 3% shall be applied at a rate of 3 tons/acre. After seeding, seed shall be applied at a rate of 3 tons/acre. Rule of thumb: If you are seeing a lot of bare ground, there is not enough straw. (Caution: Too much straw can be as ha	regulations are available on-line at www.pacode.com . 102.4(b)(5)(xii) GEOLOGIC FORMATION/SOIL CONDITIONS THAT MAY HAVE POTENTIAL TO CAUSE POLLUTION There is minimal potential for geologic or soil conditions to cause pollution during construction. Major components of the underlying geology are sandstone and shale. Limestone is a minor component. If sinkholes or depressions form, the developer will contact a Professional Geologist or hydrogeologist for recommendations on site mitigation. Existing waste (i.e. asphalt and concrete) will be disposed in accordance with PaDEP's Solid Waste Management Regulation at 25 PA Code 260.1 et. Seq.; 271.1 et, seq.; and 287.1 et, seq. 102.4(b)(5)(xiii) POTENTIAL THERMAL IMPACTS TO SURFACE WATER During construction, thermal impacts will be addressed primarily though the use of compost filter sock and temporary vegetative stabilization. Additionally, Stormwater discharges, in both existing and proposed conditions, to a grass swale running through a heavily shaded to the Schuylkill River. E&S MINIMIZES EARTH DISTURBANCE DURATION & SOIL COMPACTION The extent and duration of earth disturbance is minimized through the construction sequence by specifying the amount of area
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Erosion control blankets should be used for all seeded areas within 50 feet of a special protection water, regardless of slope. Erosion control blankets should be installed according to the anaufacturer's recommendations. CONCRETE WASHOUT A concrete wash area will be provided to clean out concrete delivery trucks and equipment used in concrete work. The diameter of the circular area, bounded by 24* silt sock, will be approximately 12 ft. Event of the site modifications described above. The below listed activities are presented in the general order of proper, logical and anticipated occurrence. Deviations to the indicated order may be required at such time as conditions merit. Stuch deviations should by use matheten if necessary and in such amannet that the integrity of the overall project Ecos Control Plankets. Control Plankets is analytic ent to esist accelerated erosion. Cut and fill slopes shall be capable of resisting failure due to sulting, siding, or other movements. He developer must notify the Berks County Conservation District 72 hours before initiating any earthmoving activities. A copy of this E&S Contr	 replacement of topsoil, finished grade in ana haw area shall be accomplished by replacement of topsoil, application section of this marrative, to bring those areas to finished grade prior to permanent topsoil application. The replacement of topsoil application section of this marrative, to bring those areas to finished grade prior to permanent topsoil application action of this senarative. If predevelopment topsoil is less than 6-inches, replace topsoil at a minimum depth of 6-inches. Soil testing shall be performed to determine actual line and fertilizer rates, which shall be used in lieu of the provided application rates. 7. The operator shall assure that the approved erosion and sediment control plan is properly and completely implemented. 8. The operator shall assure that an erosion and sediment control plan has been prepared by the applicant, submitted to and approved by the Berks Conservation District, and is being implemented and maintained for all soil and/or rock spoil and borrow areas, regardless of their locations. 9. Before initiating any revisions to the approved erosion and sediment control plan or revisions to other plans which may affect the effectiveness of the proved E&S control plan, the operator must receive approval of the revisions from the Berks County Conservation District. 10. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE EACH STAGE SIALL BE COMPLETED BERORE ANY FOLLOWING TACE IS INITATED. USANG SUBJECT EACH STAGE SIALL BE COMPLETED BERORE ANY FOLLOWING FIG IS INITATED. 11. Erosion and sediment BMPs must be constructed, stabilized and functional before site disturbance begins with the tributary areas of those BMPs. 12. 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PERMANENT VEGETATIVE SURFACE STABILIZATION 1) Tilling - Upon completion of finished grading activities, surface soil shall be tilled and loosened. Tilling may be omitted if soil is sufficiently loosened following the final grading activities. 2) Lime Application - Ground limestone shall be applied to the loosened soil at a uniform rate of 184 pounds per 1000 square feet. 3) Base Fertilizer Application - Fertilizer shall be applied to the soil at the rate established by the soil testing, as required to accommodate proper growth of the seed mixture. The following base fertilizer application rate shall be employed: As a minimum, 10 - 20 - 20 Fertilizer shall be applied at a uniform rate of 25 pounds per 1,000 square feet. 4) Mixing - Ground limestone and fertilizer shall be mixed with the soil to a depth of four inches through use of suitable equipment. 5) Seeding - Seed mixture shall be applied to the prepared soil surface by broadcast spreaders or hydraulic application according to the following rates of application: Permanent Seeding - A mixture of Kentucky 31 Tall Fescue - 47%, Creeping Red Fescue - 50%, and Redtop - 3% shall be applied to the prepared soil surface by broadcast spreaders or hydraulic application acco	regulations are available on-line at www.pacode.com . 102.4(b)(5)(xii) GEOLOGIC FORMATION/SOIL CONDITIONS THAT MAY HAVE POTENTIAL TO CAUSE POLLUTION There is minimal potential for geologic or soil conditions to cause pollution during construction. Major components of the underlying geology are sandstone and shale. 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Erosion control blankets should be used for all seedd areas within 50 feet of a surface water, or 100 feet of a special protection water, regardless of slope. Erosion control blankets should be installed according to the manufacturer's recommendations. CONCRETE WASHOUT A concrete wash area will be provided to clean out concrete delivery trucks and equipment used in concrete work. The diameter of the circular area, bounded by 24° sit sock, will be approximately 12 ft. Evolution to recent wash area will be provided to selen out concrete delivery trucks and equipment used in concrete one finant Plan Approval for the aster modifications described above. The below listed activities are presented in the general order of proper, logical and anticipated occurrence. Deviations to the indicated order may be required at such time as conditions merit. Such deviations should only be undertaken for the exist of softmeas the specified at the eartiest possible time. 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Before initiating any revisions to the approved erosion and sediment control plan or revisions to other plans which may affect the effectiveness of the approved E&S control plan, the operator must receive approval of the revisions from the Berks County Conservation District. 10. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE EACH STAGE SHALL BE COMPLETED DEFORE ANY FOLLOWING STAGE IS INITIATED CLEARING AND GRUBBING SHALL BE LIMITED ONLY TO THOSE AREAS DESCRIBED IN EACH STAGE. 11. Erosion and sediment BMPs must be constructed, stabilized and functional before site disturbance begins with the tributary areas of those BMPs. 12. Rock construction entrances shall be installed at the intersection of 4th. Street and Oley Street, extending into the prepiet site. 13. Install compost filter sock and construction protection fence as shown on the E&S Control Plan. Place construct	 stapled over the mulch according to manufacturer's recommendations. 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Tilling may be omitted if soil is sufficiently loosened following the final grading activities. 2) Line Application - Ground linestone shall be applied to the loosened soil at a uniform rate of 184 pounds per 1000 square feet. 3) Base Fertilizer Application - Fertilizer shall be applied to the soil at the rate established by the soil testing, as required to accommodate proper growth of the seed mixture. The following base fertilizer application rate shall be applied to the soil at the rate established by the soil testing, as required to accommodate proper growth of the seed mixture. (a) Seeding - Seed mixture shall be applied to the prepared soil surface by broadcast spreaders or hydraulic application according to the following the applied to the prepared soil surface by broadcast spreaders or hydraulic application according to the of theory inches through use of suitable equipment. 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The following hase fertilizer application rate shall be applied at a uniform rate of 25 pounds per 1,000 square feet. 4) Mixing - Ground limestone and fertilizer shall be amplied with the soil to a depth of four inches through use of suitable equipment. 5) Seeding - Seed mixture shall be applied to the prepared soil surface by broadcast spreaders or hydraulic application according to the following rates of application: Permanent Seeding - A mixture of Kentucky 31 Tall Fescue - 47%, Creeping Red Fescue - 50%, and Redtop - 3% shall be applied at a rate of two to three pounds per 1,000 square feet. Guito	regulations are available on-line at www.pacode.com . 102.4(b)(5)(xii) GEOLOGIC FORMATION/SOIL CONDITIONS THAT MAY HAVE POTENTIAL TO CAUSE POLLUTION There is minimal potential for geologic or soil conditions to cause pollution during construction. Major components of the underlying geology are sandstone and shale. Limestone is a minor component. 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Deviations from the approval plans shall be viadiated by the Beck County Conservation District office before any adjustments are made. In the event project EAS Control Plan is maintain	 replacement of topsoil, finished grade in an lawn area shall be accomplished by replacement of topsoil, per the procedures specified in the Topsoil Application section of this instrative, to bring those areas to finished grade prior to permanent vegetative stabilization. The replacement of topsoil shall be at a depth that is equivalent to the predvelopment topsoil explision is the predvelopment topsoil explision is the predvelopment topsoil explision is the stab a fonches. If predvelopment topsoil explisions areas, soil testing shall be performed to determine actual lime and fertilizer rates, which shall be used in lieu of the providel application rates. 7. The operator shall assure that the approved erosion and sediment control plan has been prepared by the applicant, submitted to and approved by the Becks Conservation District, and is being implemented and maintained for all soil and/or rock spoil and berrow areas, regardless of their locations. 9. Before initiating any revisions to the approved erosion and sediment control plan or revisions to other plans which may affect the effectiveness of the approved E&S control plan, the operator must receive approval of the revisions from the Berks Country Conservation District. 10. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE EACH STAGE SHALL BE COMPLETED BEFORE ANY FOLLOWING STAGE IS INITIATED. 11. Erosion and sediment BMPs must be constructed, stabilized and functional before site disturbance begins with the troburary areas of those BMPs. 12. Rock construction entrances shall be installed at the intersection of 4th Street and Oley Street, extending into the preprinter of the infiltration BMPs. 14. Upon installation or stabilization of E&S BMPs, clearing and grubbing of the site may begin. 15. Install compost filter sock and construction protection fence as shown on the E&S control Plan. Place construction femee along the perimeter of the infiltratio	 stapled over the mulch according to manufacturer's recommendations. Shredded paper hydromulch should not be used on slopes steeper than 5%. Wood fiber hydromulch may be applied on steeper slopes provided a tackiffer is used. The application rate for any hydromulch should be 2,000 lbacre at a minimum. STABILIZATION DURING NON-GERMINATION PERIODS During non-germination periods, mulch must be applied to disturbed areas at a rate of 3 tons/acre. The non-germination period shull be determined based on current weather conditions; it is generally the period from October 15 to March 15. Areas mulched during non-germination periods must be limed, fertilized, seeded and mulched immediately. PERMANENT VEGETATIVE SURFACE STABILIZATION 1) Tilling - Upon completion of finished grading activities, surface soil shall be tilled and loosened. Tilling may be omitted if soil is sufficiently loosened following the final grading activities. 2) Line Application - Ground limestone shall be applied to the loosened soil at a uniform rate of 184 pounds per 1000 square feet. 3) Base Fertilizer Application - Fertilizer shall be applied to the soil at the rate established by the soil testing, as required to accommodate proper growth of the seed mixture. The following base fertilizer application rate shall be employed: As a minimum, 10 - 20 - 20 Fertilizer shall be applied at a uniform rate of 25 pounds per 1,000 square feet. 4) Mixing - Ground limestone and fertilizer shall be mixed with the soil to a depth of four inches through use of suitable equipment. 5) Seeding - Seed mixture shall be applied to the prepared soil surface by broadcast spreaders or hydraulic application according to the following rates of application: 6) Hay or straw mulch shall be applied to the prepared soil surface by broadcast spreaders or hydraulic application according to the other pounds per 1,000 square feet. 6) Hay or straw mulch shall b	regulations are available on-line at www.pacode.com . 102.4(b)(5)(xii) GEOLOGIC FORMATION/SOIL CONDITIONS THAT MAY HAVE POTENTIAL TO CAUSE POLLUTION There is minimal potential for geologic or soil conditions to cause pollution during construction. Major components of the underlying geology are sandstone and shale. Limestone is a minor component. If sinkholes or depressions form, the developer will contact a Professional Geologist or hydrogeologist for recommendations on site mitigation. Existing waste (i.e. asphalt and concrete) will be disposed in accordance with PaDEP's Solid Waste Management Regulation at 25 PA Code 260.1 et. Seq.; 271.1 et, seq.; and 287.1 et, seq. 102.4(b)(5)(xiii) POTENTIAL THERMAL IMPACTS TO SURFACE WATER During construction, thermal impacts will be addressed primarily though the use of compost filter sock and temporary vegetative stabilization. Additionally, Stormwater discharges, in both existing and proposed conditions, to a grass swale running through a heavily shaded to the Schuylkill River. E&S MINIMIZES EARTH DISTURBANCE DURATION & SOIL COMPACTION The extent and duration of earth disturbance is minimized through the construction sequence by specifying the amount of area
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Tilling may be omitted if soil is sufficiently loosened following the final grading activities. 2) Line Application - Ground limestone shall be applied to the loosened soil at a uniform rate of 184 pounds per 1000 square feet. This rate is in pounds of agricultural grade limestone per 1000 square feet. 3) Base Fertilizer Application - Fertilizer shall be applied to the soil at the rate established by the soil testing, as required to accommodate proper growth of the seed mixture. The following base fertilizer application rate shall be applied to the soil to a depth of four inches through use of suitable equipment. 6) Mixing - Ground limestone and fertilizer shall be applied to the prepared soil surface by broadeast spreaders or hydraulic application according to the following that a uniform rate of 25 pounds per 1,000 square feet. a. Mixing - Ground limestone and fertilizer shall be applied to the prepared soil surface by broadeast spreaders or hydraulic application according to the following rates of application rates of a tons/acre. b. Mixing - Ground limestone and fertilizer shall be applied to the prepared soil surface by broadeast spreaders or hydraulic application according to the following rates of a for thare ground, there is not	regulations are available on-line at www.pacode.com . 102.4(b)(5)(xii) GEOLOGIC FORMATION/SOIL CONDITIONS THAT MAY HAVE POTENTIAL TO CAUSE POLLUTION There is minimal potential for geologic or soil conditions to cause pollution during construction. Major components of the underlying geology are sandstone and shale. Limestone is a minor component. If sinkholes or depressions form, the developer will contact a Professional Geologist or hydrogeologist for recommendations on site mitigation. 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The operator shall assure that an erosion and sediment control plan has heen prepared by the applicant, submitted to and purrow areas, regardless of their locations. 9. Before initiating any revisions to the approved erosion and sediment control plan or revisions to other plans which may factor the specification of the approved proved erosion and sediment control plan or revisions to other plans which may factor the discusse of their locations. 9. Before initiating any revisions to the approved erosion and sediment control plan or revisions to other plans which may factor the discusse and the approved the Sc control plan, the operator must receive approval of the revisions from the Berks Control Conservation District. 10. 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The application rate for any hydromulch should be 2,000 lb/acre at a minimum. STABLIZATION DURING NON-GERMINATION PERIODS During non-germination periods, mulch must be applied to disturbed areas at a rate of 3 tons/acre. The non-germination period shall be determined based on current weaking reconditions, it is generally the period into October 15 to March 15. Acress mulch-during non-germination periods must be determined based on current weaking reconditions, it is generally the period into October 15 to March 15. Acress mulch-during non-germination periods must be directed and mulched immediately. PERMANENT VEGETATIVE SURFACE STABILIZATION 1) Tilling - Upon completion of finished grading activities, surface soil shall be tilled and loosened. 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Evasion control blankets should be used for all seeded areas within 50 feet of a surface for a special protection water, regardless of slope. Ensisten control blankets should be installed according to the manificature's neuron maniform. ENCENTENTINEN A control to the view and atter will be provided to telem out concrete delivery trucks and equipment used in concrete work. The formation of the view and interview and the approximately 12 ft. ENERNENDEN To the too idea chapter anticipates commencement of construction activities immediately following the receipt of a Final Plant for protein developer anticipates where this is no possible, the Beck Courdy Conservation District Office blance and you optiming and indicated to the construction sing the anamine to instruction. Sched Courdy Conservation District Office blance and protein face accurse of the remoting and the construction atter. The too idea charter and the integry of the overall popeet talks and the instrume of the overall popeet and the instrume of the construction and the sing and the instrume of the construction to the sched port and	 Includent of topsel, finite degrade in and alwa meres shall be accompliabled by replacement of topsel, per the proceedures repetitive stabilization. The replacement of topsel shall be set a degrade mere too finite degrade period to perminent operations and the set at a minimum degrad of the iss status. And the performed to determine actual time and deritizer rates, which also be used in termine actual time and fertilizer rates, which also be used in the set of the provided period top remains and applications reset. The operator shall assure that the approved ension and sediment control plan its properly and completely implemented. The operator shall assure that an ension and sediment control plan tas been prepared by the applicant, submitted to and provow areas, regulates of the inclusion. Before initiating my revisions to the approved ension and sediment control plan or revisions to other plans which may focus of the effectiveness of the approved EAS control plan, the operator must receive approval of the revisions from the Before for the sediment of the approved ension. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING EXCERTISATION. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING EXCERTISATION. Resolution and sediment BMPs must be constructed, stabilized and functional before site disturbance begins with the fibrator areas of those BMPs. Resolution and sediment BMPs must be constructed, stabilized and functional before site disturbance begins with the approved resolution protection frame as shawn on the EAS Control Plan. Place construction there also the set of the infiltration BMPs. Following installation and stabilization of EAS BMPs, clearing and grabing of the site may begin. Strip and stackpile topoal and state instackpile storage areas. Stackpile heights must not exceed S5. Stackpile heights must not exceed S5. St	 stapled over the mulch according to manufacturer's recommendationsi. Stredded paper hydromulch should not be used on alopes steeper fun 3%. Woed fiber hydromulch may be applied on inceper alopes provided a tackfilter is used. The application rate for any hydromulch should be 2,000 Bacete at a minimum. STAELIZATION DURING NON-GERMINATION PERIODS Porting anag-germination periods, mulch mulch eighted to disturbed areas at a stat of 3 baceiser. The non-germination periods mulch along for titizet, seeled and mulched immediately. PERMENT VEGETATIVE SURFACE STABILIZATION 1) Tiling - Upon completion of finished grading activities, it is gearenally the period from Oxtober 15 to March 15. Areas mulched thring one germination periods must be inplied to the loosened soil at a uniform rate of 184 pounds per 1000 sparse feet. 2) Line Application - Ground linestone shall be applied to the loosened soil at a uniform rate of 184 pounds per 1000 sparse feet. 3) Bane Fertilizer Application - Fertilizer shall be applied to the soil at the rate established by the soil tasting, as required to accommodate progregowich of the seed mature. 1 the following base fertilizer application rate shall be applied to the soil to a depth of four inches through use of autable equipment. 4 an unimum. 10 - 20 - 20 Fertilizer shall be applied to the progregar feet. 5 and Fertilizer application - Fertilizer shall be applied to the progregar feet. 1 Mixing - Ground linestone and fertilizer shall be applied on a uniform rate of 25 pounds per 1,000 square feet. 4 an unimum. 10 - 20 - 20 Fertilizer shall be applied to the progregar feet. 4 an trate of two to the perposer feet. 4 a rate of two to the progregar feet. 4 and so of strete of application: 4 progregar base fertilizer application in the shall be applied to the sol to a depth of non-quarter inch of soil. 4 He	regulations are available on-line at www.pacode.com . 102.4(b)(5)(xii) GEOLOGIC FORMATION/SOIL CONDITIONS THAT MAY HAVE POTENTIAL TO CAUSE POLLUTION There is minimal potential for geologic or soil conditions to cause pollution during construction. 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nainaieu uni the exenvel of the sift fance. Temporary Rock Filter Outlets shall be constructed as indicated on the detail sheet. DUNED WAITER FILTER BAG Pamped Water Filter Bag shall be provided as shown on the plens. Pump How rates are not necessal 50% of maximum How rates are the battom to prevent subment from entering the system. Pump How rates are not necessal 50% of maximum How rates are provided to the prevent subment from entering the system. Pump How rates are not necessal 50% of maximum How rates are provided to the prevent subment from entering the system. Pump How rates are not necessal 50% of maximum How rates are provided to the prevent subment from entering the system. Pump How rates are not necessal 50% of maximum How rates are provided to the social prevent subment from entering the system. Pump How rates are not necessal 50% of maximum How rates are provided to the system of the filter bag when it is 12.7 full of subfinest should be used for all seeded areas within 50 feet of a surface prevent of a special prevent subment from when regardless of slope. Envision control blankets should be inselfed according to the manifesture's recommendations. EXERCINCTENE A concrete was the modified and one schede and out onnecte the livery trucks and equipment used in concrete work. The concrete was the modified and one schede and out onnecte the livery trucks and equipment tasel in concrete work. The findicated order may be equified as ath times are condition merif. Sub dividions should only be undertaken if necessary and in adva namane fastic the integriter of the order proper, logical and anticipated occurrence. Deviations to the findicated order may be equified as an inimum uniform prevenial 70% vegetative cover or other permanent non-vegetative cover you his keeks Control report and plane must be posted the construction situ. For the developer matching the rest of the order proper, logical and anticipated Sub schemet removed for the schemet with the Resks Control Conservation Distr	<text><list-item><list-item><list-item><list-item><list-item><list-item></list-item></list-item></list-item></list-item></list-item></list-item></text>	 stepici dover the match according to manufacture's recommendations. Stream dopes provided a tackfift in used. The application rule for any hydromich hadde be 2.000 blocer at a minimum. STAULIATION DURING NON-GERMINATION PERIODS During non-germination periods, match mast be applied to distarbal areas at a rate of 3 tonsform. The non-germination periods match thing, for filed, assold and malched immediately. PEMANENT VIGETATIVE SURFACE STABLIZATION 1 Tilling - Upon completion of finished grading activities, surface soil shall be tilled and loosened. Tilling may be omitted if soil is sufficiently loosened following the final grading activities. 2. Line Application - Croanal linestone shall be applied to the avoil at the nate established by the soil bedring, as expired to accommoder proper growth of the soel maxtee. 3. Base Fertilizer Application relevant linestone shall be applied to the avoil at the nate established by the soil bedring, as expired to accommoder proper growth of the seed maxtee. 1 the following base fertilizer application rule shall be applied to the avoil at the soil to four inches through use of asimble arguments of 18 pointed or file socil to stimp and the applied to the avoil the soil to four inches through use of asimble arguments. 1 the following base fertilizer application rule shall be applied to the avoil at the soil to four inches through use of asimble arguments. 1 sociant social and social and rule accomplication. 1 period as a maxie of application. 1 sociant social and the covered by means of light raking to a depth of one-quarter inch of soil. 1 social social social the applied to the prepared soil surface by troudcast spreaders or hydraulic application af the social the strew. 1 Social social social the applied to the apreod social surface by troudcast spreaders or hy	regulations are available on-line at www.pacode.com . 102.4(b)(5)(xii) GEOLOGIC FORMATION/SOIL CONDITIONS THAT MAY HAVE POTENTIAL TO CAUSE POLLUTION There is minimal potential for geologic or soil conditions to cause pollution during construction. 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(c) Social a Seed mixture shall be applied to the sol at the rule casabilated by the soil testing, as required to applied to the sole of the following takes fertilizer application rate. Shall be applied at a minimum to 10. 40 - 20 Fertilizer shall be applied at a minimum test fibre application accounts the following takes for the testing. After teeding, S mixture of Kentacky 31 Tall Fassas - 43%, Cheeping Red Fescue - 50%, and Reday - 3% shall be applied to the threse on the properiod from one- quarter inclu of soil. (T)	regulations are available on-line at www.pacode.com . 102.4(b)(5)(xii) GEOLOGIC FORMATION/SOIL CONDITIONS THAT MAY HAVE POTENTIAL TO CAUSE POLLUTION There is minimal potential for geologic or soil conditions to cause pollution during construction. Major components of the underlying geology are sandstone and shale. Limestone is a minor component. 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Immediately after earth disturbance activities cease in any area or subarea of the project, the operator shall stabilize all

c. The time frame to correct the non-compliance, including the exact dates when the activity will return to compliance.

operator shall stabilize iods, mulch must be applied

urbed within 4 days must be at finished grade or will not

e action to remedy such

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means, onto a public roadway, use of either machinery or by

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ith permanent vegetative with all PADEP regulations ling and disposal of

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debris, accumulated sediment, ushy or woody growth. Any I the channel(s) repaired and

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g the progress of the work. val of solid materials from the sions of the E&S Control Plan.

OR THE RECYCLING OR VILL BE UNDERTAKEN

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l or borrow area has an erosion g implemented and maintained n accordance with DEP

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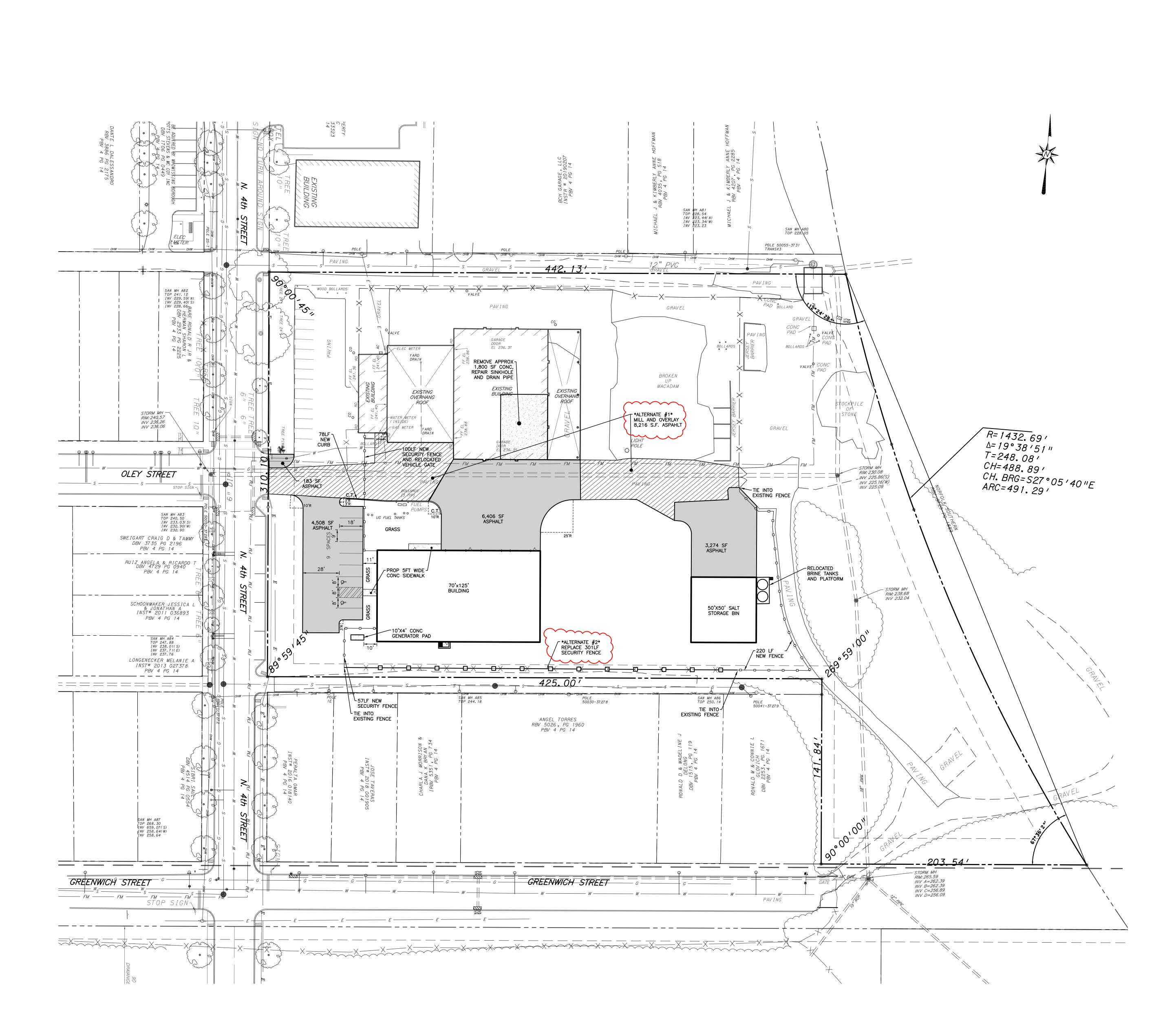
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SEA	AME	. _	C.	<u>SSIC</u>		555 Van Reed Road Suite 2 Wyomissing, PA 19610
		ES \E	C. NGI	EAL STERI SSIC		555 Van Reed Road Suite 2 Wyomissing, PA 19610
DRA				I DI BI IC WORKS FACILITY " NORKS FACILITY " NO		WYOMISSING BOROUGH 555 Van Reed Road on: WYOMISSING BOROUGH, BERKS COUNTY, PENNSYLVANIA JULY 19, 2023 Wyomissing, PA 19610





ONECALL NOTES:



PENNSYLVANIA ACT 287, AS AMENDED BY ACT 121 REQUIRES NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE COMMONWEALTH.

ACT 287 UNDERGROUND UTILITY PROTECTION ACT, AS AMENDED BY ACT 121 _____

McCARTHY ENGINEERING ASSOCIATES, INC. HEREBY STATES THAT, PURSUANT TO THE PROVISIONS OF ACT NO. 121 OF OCTOBER 2008, OF THE PENNSYLVANIA LEGISLATURE, IT HAS PERFORMED THE FOLLOWING IN PREPARING THESE DRAWINGS REQUIRING EXCAVATION OR DEMOLITION WORK AT SITES WITHIN THE POLITICAL SUBDIVISION(S) SHOWN ON THE DRAWINGS:

- PURSUANT TO SECTION 4, CLAUSE (2) OF SAID ACT, McCARTHY ENGINEERING ASSOCIATES, INC. REQUESTED FROM EACH USER'S OFFICE DESIGNATED ON SUCH LIST PROVIDED BY THE ONE CALL SYSTEM NOTIFICATION, THE INFORMATION PRESCRIBED BY SECTION 4, CLAUSE (2) OF SAID ACT, NOT LESS THAN (10) NOR MORE THAN (90) WORKING DAYS BEFORE FINAL DESIGN TO BE COMPLETED.
- 2. PURSUANT TO SECTION 4, CLAUSE (5) OF SAID ACT, MCCARTHY ENGINEERING ASSOCIATES, INC. HAS MET THEIR OBLIGATIONS OF CLAUSE (2) BY CALLING THE ONE CALL SYSTEM SERVING THE LOCATION WHERE EXCAVATION IS TO BE PERFORMED. 3. PURSUANT TO SECTION 4, CLAUSE (3) OF SAID ACT, MCCARTHY ENGINEERING ASSOCIATES, INC. HAS SHOWN UPON THESE DRAWINGS "THE POSITION AND TYPE OF EACH LINE, AS DERIVED PURSUANT TO THE REQUEST MADE AS REQUIRED BY CLAUSE (2), THE SERIAL NUMBER PROVIDED BY THE ONE CALL SYSTEM, THE TOLL-FREE ONE CALL SYSTEM PHONE NUMBER, AND THE NAME OF THE USER, THE USER'S DESIGNATED OFFICE ADDRESS AND PHONE NUMBER AS SHOWN ON THE LIST REFERRED TO IN SECTION 4, CLAUSE (5) OF SAID ACT."

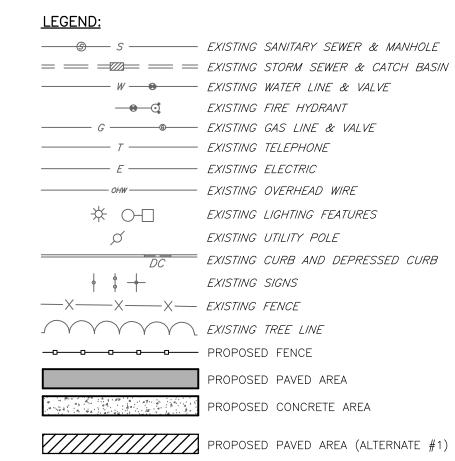
AND McCARTHY ENGINEERING ASSOCIATES, INC. DOES NOT MAKE ANY REPRESENTATION, WARRANTY, ASSURANCE OR GUARANTEE THAT THE INFORMATION RECEIVED PURSUANT TO SAID REQUEST AND AS REFLECTED ON THESE DRAWINGS IS CORRECT OR ACCURATE, BUT McCARTHY ENGINEERING ASSOCIATES, INC.. IS REFLECTING SAID INFORMATION ON THESE DRAWINGS ONLY DUE TO THE REQUIREMENTS OF THE SAID ACT NO. 121 OF OCTOBER 2008. ONE CALL SYSTEM SERIAL NO. NOTIFICATION BY MCCARTHY ENGINEERING ASSOCIATES, INC.. DATE: JUNE 23, 2021

ONE CALL SYSTEM SERIAL NUMBER: 20211730550 UNDERGROUND UTILITY USERS:

UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE AND WERE DETERMINED FROM VISIBLE LOCATION, ACT 287, AS AMENDED BY ACT 121, UTILITY RESPONSES AND/OR BEST AVAILABLE PLAN INFORMATION. McCARTHY ENGINEERING ASSOCIATES, INC. CANNOT GUARANTEE THE EXACT LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES. AN EXACT LOCATION CAN ONLY BE OBTAINED BY SUBSURFACE EXPLORATION, WHICH IS NOT A PART OF THIS CONTRACT PERFORMANCE.

PA ONE CALL SYSTEM INFORMATION:

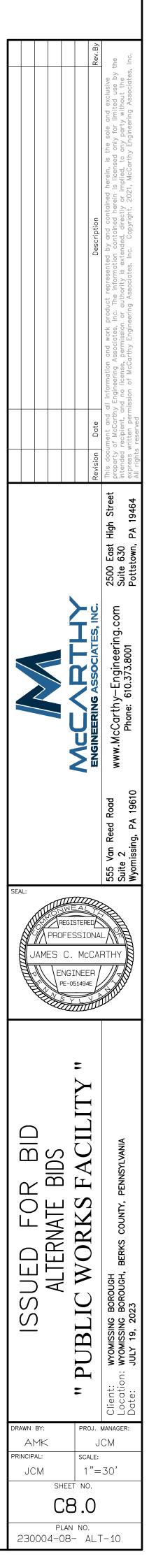
PENNSYLVANIA ACT 287, AS AMENDED BY ACT 121, REQUIRES THREE (3) WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND FIVE (5) WORKING DAYS NOTICE IN DESIGN STAGE. PA ONE CALL PHONE NUMBER: 1-800-242-1776



PROPOSED FENCE (ALTERNATE #2)



ISSUED FOR BID JULY 19, NOT FOR CONSTRUCTION



_	10		9		8	
		SOLELY RESPONSIBLE FOR JO WORK WITH OTHER TRADES A	B SAFETY, CONSTRUCTION PROCEDURES,		STEEL NOTES ION, AND ERECTION OF STRUCTURAL DR THE DESIGN, FABRICATION, AND EF	
н	2. THE STRUCTURAL DRAWIN ELECTRICAL AND HVAC D SLEEVES, CURBS, INLETS	IGS TO BE USED IN CONJUNC RAWINGS. REFER TO THOSE , ETC. NOT INDICATED ON THI	TION WITH THE MECHANICAL, SPECIFIC DISCIPLINE DRAWINGS FOR	BUILDINGS," LATES CONSTRUCTION. 2. STRUCTURAL STEE PAINTING COUNCIL	THE DESIGN, FABRICATION, AND EF ST EDITION, AS ADOPTED BY THE AME EL SHALL BE CLEANED IN ACCORDANC SPECIFICATIONS SP-3-82 FOR POW M THICKNESS OF 2 MILS WITH A SHO	RICAN INSTITUTE OF ST CE WITH THE STEEL STF VER TOOL CLEANING AN
	CONSTRUCTION OF THE E STRUCTURE PRIOR TO TH THIS RESPONSIBILITY EXT INCLUDING, BUT NOT LIM BRACING, FORMS, SHORIN UNLESS SPECIFICALLY INI THE PART OF THE ENGIN	BUILDING HAS BEEN COMPLET THE COMPLETION IS SOLELY TH TENDS TO ALL RELATED ASPECTION METHODS, TED TO, ERECTION METHODS, NG, USE OF EQUIPMENT, AND DICATED ON THE CONTRACT D		RUST INHIBITIVE P OR AN APPROVED 3. ALL STRUCTURAL a. ALL CHANNEI b. ALL PLATES,	PRIMER AS MANUFACTURED BY TNEME	C COMPANY, INC., OF H LOWING: . BE ASTM A992 GRADE .STM A36
_	APPROVED AGENCY, IN C COORDINATE THE REQUIR	ONTRACT WITH THE CONTRACT ED SPECIAL INSPECTIONS WITH	AND IBC, SHALL BE PERFORMED BY AN OR. THE CONTRACTOR SHALL I THE WORK AND SHALL NOT CONCEAL COMPLETED AND THE WORK APPROVED.	d. ALL ROUND e. ALL ANCHOR f. ALL WELDING 4. ALL WELDING SHA	PIPES AND TUBING SHALL BE ASTM A S RODS SHALL BE ASTM F1554 GRAD G ELECTRODES SHALL BE E70XX, LOW	A53, TYPE B. DE 36 (UNLESS NOTED V HYDROGEN E ARC AND GAS WELDIN
	FEDERAL, STATE, AND LO AFFECTING THE CONDUCT HAVE BEEN PROMULGATE	CAL LAWS, BYLAWS, ORDINANO OF THIS WORK, AS WELL AS D OR ENACTED BY ANY LEGAI	M ALL WORK IN ACCORDANCE WITH THE CES AND REGULATIONS IN ANY MANNER ALL ORDERS OR DECREES WHICH BODIES OR TRIBUNALS HAVING ALS, EMPLOYEES, OR CONTRACT.	WELDER IN ACCOF 5. WELDING ELECTRO MADE BY WELDED	F THE AMERICAN WELDING SOCIETY, A RDANCE WITH A.W.S. STANDARDS. DDES SHALL CONFORM TO ASTM A-23 S WHO HAVE BEEN PREVIOUSLY QUAL IG SOCIETY (AWS) STANDARD CODE FO	33, E70 SERIES. WELD LIFIED BY TESTS AS PR
G	REQUIRES ADDITIONAL EN FEES MAY BE CHARGED	GINEERING TIME TO DEVISE C T THE CONTRACTOR AT THE S MAY BE WITHHELD FROM THE	RESULT IN DEFECTIVE WORK THAT DRRECTIVE MEASURE, PROFESSIONAL TANDARD HOURLY RATE OF ADDITIONAL CONTRACTORS PAYMENT. REFER TO	STRUCTURAL STEE FABRICATION OF A	COMPLIANCE ARE REQUIRED TO BE S EL, BOLTS, NUTS, WASHERS, AND WEL ANY STEEL. STIFFENER PLATES (3/8" MIN.) ON E	LD FILLER MATERIAL PRI
	7. ALL EXISTING CONDITIONS EXISTING CONDITIONS DO THE DETAILS AS SHOWN,	S SHALL BE FIELD-VERIFIED F NOT PERMIT THE INSTALLATIO THE CONTRACTOR SHALL NO KETCH OF THE CONDITION, IN	PRIOR TO BEGINNING ANY WORK. IF ON OF THE WORK IN ACCORDANCE WITH FIFY THE ENGINEER IMMEDIATELY AND ICLUDING A PROPOSED MODIFICATION OR	POINTS OF CONCE 8. PROVIDE TEMPORA RESIST ALL LATER	ENTRATED LOADS. ARY BRACING DESIGNED BY THE CONT RAL LOADS UNTIL THE PERMANENT BR ING AND/OR SHORING OF THE STRUC	TRACTORS ENGINEER AS RACING IS HAS BEEN IN
_	DURING CONSTRUCTION. 9. THE CONTRACTOR SHALL	CONTACT ALL INVOLVED UTILI	ARY SHEETING, SHORING AND BRACING TY COMPANIES AND LOCATE K BEFORE PROCEEDING WITH ANY	JOB. COORDINATE	DR HANGING LINTELS NOT SHOWN ON OPENINGS WITH ARCHITECTURAL, MEC THERWISE, STRUCTURAL STEEL PERMA RICK SHELF ANGLES, SHALL BE HOT—	CHANICAL AND ELECTRIC
	10. THE CONTRACTOR SHALL DAMAGE.		STRUCTURES AND UTILITIES FROM	12. BOLTED CONNECTI	GED GALVANIZING WITH ASTM A780–9 IONS SHALL USE ASTM A325 BOLTS ((UNLESS NOTED OTHER)
	PROPER AND COMPLETE 12. THESE STRUCTURAL DRAV ARCHITECTURAL, SITE DRA LOCATIONS AND DIMENSIO	INSTALLATION SHALL BE INCLU WINGS SHALL BE USED USED AWINGS AND SHOP DRAWINGS.	JDED AS REQUIRED. IN CONJUNCTION WITH THE CONSULT THESE DRAWINGS FOR NSERTS, SLEEVES, DEPRESSIONS AND	FABRICATOR. CON DRAWINGS. DESIGN ENGINEER AND SU	CONNECTIONS NOT SHOWN ON THE DI NNECTIONS SHALL BE DESIGNED FOR N CALCULATIONS SHALL BE PREPARED JBMITTED FOR REVIEW. SHALL BE CUT FROM FULL LENGTH S CTION.	THE FORCES SHOWN C D AND STAMPED BY THE
F	TYPICAL FOR SIMILAR CO	NDITIONS. <e deviation="" from="" no="" td="" the<=""><td>DRAWING SHALL BE CONSIDERED</td><td>STEEL DECK</td><td>NOTES K SHALL BE FABRICATED AND ERECTE</td><td>ED IN ACCORDANCE "SD</td></e>	DRAWING SHALL BE CONSIDERED	STEEL DECK	NOTES K SHALL BE FABRICATED AND ERECTE	ED IN ACCORDANCE "SD
	REMOVE AND DISPOSE O	BE RESPONSIBLE FOR CLEAN F ALL CONSTRUCTION DEBRIS I THE DRAWINGS, BUT REASON	–UP ON A DAILY BASIS AND SHALL IN THE VICINITY OF THE WORK. JABLY IMPLIED TO BE SIMILAR TO THAT IED GENERAL CONSTRUCTION STANDARD	SPECIFICATIONS AI STEEL. DECK DEP	ND COMMENTARY FOR STEEL ROOF D TH, PROFILE AND THICKNESS ARE AS SHALL BE GALVANIZED IN ACCORDANC	ECK"FROM ASTM A653 NDICATED ON THE DR
_		THE CONTRACTOR AT NO ADD		PROVIDE A (3) TH	DECK SHALL BE SUPPLIED IN MINIMI HREE SPAN CONDITION. END CLOSUF ND ALL OTHER ACCESSORIES NECESSA	RES, ROOF SUMPS, CLC
	SUITABLE FILL WITH AN A ACTUAL BEARING CAPACIT PRIOR TO SETTING REINF FOOTING AS DIRECTED B THE ELEVATIONS INDICATE	ASSUMED MINIMUM ALLOWABLE Y SHALL BE VERIFIED BY THE ORCEMENT. ADJUST THE FOO Y THE ENGINEER. IF SUITABL	TURBED SOIL OR PROPERLY COMPACTED BEARING CAPACITY OF 3,000PSF. OWNER'S GEOTECHNICAL CONSULTANT TING ELEVATION AND/OR SIZE OF E BEARING CAPACITY IS NOT FOUND AT NS SHALL BE PLACED UNTIL THE AL ENGINEER.	THE DRAWINGS. W GAGE AND THINNE WELDS ARE ARE A STEEL DECK INSTI	K SHALL BE FASTENED TO THE SUPP VELDING WASHERS ARE RECOMMENDED ER. WELDING WASHERS SHALL BE 16 ACCEPTABLE PROVIDED THE ALTERNAT ITUTE AND DESIGN DRAWING REQUIREI SHALL BE SHORED AS REQUIRED BY	D FOR ATTACHING DECK 5 GAGE. FASTENING OTH 7E FASTENERS MEET OR MENTS.
E	OF EXCAVATION OF THE	FORM SURFACE. CONCRETE S FOOTING BEARING SURFACE.	S SHALL BE CLEANED AND SHALL BE PLACED WITHIN 24 HOURS THE CONTRACTOR IS RESPONSIBLE FOR ID TESTING COMPLETED WITHIN THAT		TABLES TO SUPPORT CONSTRUCTION JM OF 1 1/2" END BEARING AND LA	
	3. ALL SOIL SURROUNDING THAWING DURING THE CO	OURSE OF CONSTRUCTION.	BE PROTECTED FROM FREEZING AND	"STANDARD SPECI	ND WORKMANSHIP SHALL COMPLY WIT FICATION FOR OPEN WEB STEEL JOIST	
	BELOW GRADE. 5. IF UNHEATED DURING WIN FROM FROST ACTION- EI	NTER CONSTRUCTION, THE INT THER ACTING OUTWARD OR U	ROCK SHALL BE AT A MINIMUM 3'-0" ERIOR FOOTINGS MUST BE PROTECTED PWARD ON THE FOUNDATION ELEMENT. COMPACTED EARTHWORK SHALL BE	JURISDICTION, FOR 3. SPECIAL JOISTS W	S SHALL BE BY MANUFACTURER'S ENG R ALL LOADINGS REQUIRED BY THESE VHERE INDICATED ON PLANS HAVE SP	DOCUMENTS.
_	CONDUCTED UNDER THE 7. THE SLAB-ON-GRADE SU DISINTEGRATED PIECES, N	PROVISION OUTLINED IN THE JB-BASE SHALL BE A CRUSH IUD, DIRT, OR OTHER INJURIC	CONTRACT DOCUMENTS.	4. FOR ROOF JOISTS JOIST MANUFACTU	LS FOR LOADING DIAGRAMS. RESISTING UPLIFT, PROVIDE ADDITION RER. SPANNING 40 FEET OR LONGER, PRO'	
	WEIGHT PASSING A #100 8. COMPACT BACKFILL IN LI 9. ALL INTERIOR FLOOR AND	SIEVE. FTS OF NO MORE THAN 8". D EXTERIOR SIDEWALK SLABS	TO BE PLACED ON MATERIAL	BY THE JOIST MAI 6. BRIDGING SHALL E BRIDGING ANCHOR		HORED AT END WALLS
	PROCTOR TEST. 10. PRIOR TO ANY FOUNDATION	ON OR SUB-GRADE PREPARAT	S MEASURED BY THE MODIFIED TON WITHIN THE BUILDING AREA, INFILL VOIDS LEFT BY ROOT MATS WITH	SUPPORTED FROM 8. ALL K-SERIES JO	ROOFTOP UNITS AND OTHER SUSPENE 1 JOIST PANEL POINTS UNLESS ADDITI DISTS SHALL EXTEND A DISTANCE OF	IONAL REINFORCEMENT NOT LESS THAN 4 INCI
D	SLOPES. WHERE NECESS	ARY, SHEETING AND SHORING HIRED BY THE CONTRACTOR)	PROTECTION OF ALL EXCAVATION OF EXCAVATIONS (DESIGNED BY A SHALL BE PROVIDED WITH ALL		NCRETE SUPPORT AND BE ANCHORED SUPPORT BOTH TOP AND BOTTOM CH	
	13. DEWATER EXCAVATIONS A CAPACITY. ALL SOILS TH	ND PROTECT AS REQUIRED TO IAT HAVE INSUFFICIENT BEARIN	TWO HORIZONTAL TO ONE VERTICAL MAINTAIN REQUIRED SOIL BEARING IG CAPACITY DUE TO EXCESSIVE	<u>CONCRETE MA</u>	SONRY NOTES	
_	14. CONTRACTOR SHALL PRO DURING CONSTRUCTION C	TECT ADJACENT STRUCTURES OF NEW FOUNDATIONS.	ROPERLY COMPACTED ENGINEERED FILL. AND FOUNDATIONS FROM DAMAGE	(LATEST EDITION).	ASONRY WORK SHALL CONFORM TO T "BUILDING CODE REQUIREMENTS FOR SHALL BE NORMAL WEIGHT MASONR	R MASONRY STRUCTURES
	AND A UNIFORM LIVE LO DIFFERENTIAL SETTLEMEN UNSUITABLE SUBGRADE C	ADING OF 250SF. THE DESIC F, SLAB CRACKING OR OTHER CONDITIONS.	A SUBGRADE MODULUS OF K=100PCI SNER IS NOT RESPONSIBLE FOR FUTURE DEFECTS RESULTING FROM	 PROVIDE CONCRET 2000 PSI OR BET 2 MASONRY. THE 	TE UNIT MASONRY THAT DEVELOPS A ITER FOR CLASS 1 MASONRY AND FM MINIMUM AVERAGE WALL NET AREA C ASS 1 MASONRY, AND SHALL EQUAL	M1 = 1500 PSI OR BE COMPRESSIVE STRENGTH
	PROTECTED AGAINST ANY RAIN OR FROST. SURFA NOT ALLOWED TO POND. FROM RAINFALL OR FREE	DETRIMENTAL CHANGE IN CO CE RUNOFF SHOULD BE DRAI FOUNDATION EXCAVATIONS S	NDITIONS, SUCH AS DISTURBANCE FROM NED AWAY FROM THE EXCAVATIONS AND SHOULD BE ADEQUATELY PROTECTED DWATER IS ENCOUNTERED DURING	5. CEMENT USED IN	E TYPE M OR S AND CONFORM TO A THE MORTAR AND GROUT SHALL CON NFORM TO ASTM C476 WITH A MIN. (NFORM TO ASTM C-150
С		- HESE DRAWINGS HAS BEEN D	ESIGNED IN ACCORDANCE WITH THE	STRENGTH OF 2,5	NG BARS SHALL CONFORM TO ASTM (500 PSI. NOT BE CONSTRUCTED IN TEMPERATU	
	BASED UPON THE 2018	INTERNATIONAL BUILDING COD	NFORM CONSTRUCTION CODE (PA UCC), E (IBC) AND THE AMERICAN SOCIETY OF BUILDINGS AND OTHER STRUCTURES"	COORDINATE ADDI	D PROTECTION AS REQUIRED TO MAIN TIONAL REQUIREMENTS WITH ACI 530, REINFORCING BARS OR BOLTS SHALI	LATEST EDITION.
	2. DESIGN LOADS a. ROOF LIVE LOAD		20 PSF (UNREDUCED)	IDENTIFIED IN ACI USED WITH OPENI	TO BE GROUTED SOLID SHOULD HAVE 530, LATEST EDITION, OF FINE OR C ING SIZE AND THE REQUIREMENTS OF	COURSE GROUT. COORD ASTM C476, AS NOTED
	b. FLOOR LIVE LOADS GROUND FLOOR (ME / LARGE VEHICLE P / COVERED STORAG	ARKING	250 PSF; CONCENTRATED 15,000 LBS ACTING	(ONE PER CELL) 12. PROVIDE #5 BAR	ARING BENEATH STEEL BEAMS SHALL AND ALL COURSES OF CMU FILLED V VERTICALLY AROUND ALL MASONRY C DRAWINGS, FILL CELLS SOLID WITH (WITH GROUT. DPENINGS LARGER THAN
	GROUND FLOOR (IN STAIRS	FICE/ BREAK RM./ ETC.) FERIOR STORAGE) UTILITIES/CORRIDOR/CONF. F	ON 12"x12" AREA 100 PSF; 250 PSF; 100 PSF	 PROVIDE (2) #5 F WALL OR AS INDIC CONSOLIDATE GRO 	BAR VERTICALLY AT ALL EXTERIOR CO CATED ON DRAWINGS. FILL CELLS SOL DUT POURS EXCEEDING 12 INCHES IN BY MECHANICAL VIBRATION AFTER INITI	DRNERS AND AT THE TE LID WITH GROUT UNO. N HEIGHT BY MECHANICA
В	c. SNOW (ENCLOSED BLDG GROUND SNOW LOAD FLAT SNOW LOAD SLOPE SNOW LOAD	S.) D (Pg) If) (Ps) CTOR (Ce) ANCE – (Is)	30 PSF 30 PSF 30 PSF	OCCURRED. 15. CERTIFICATES OF ENGINEER FOR BL	COMPLIANCE ARE REQUIRED TO BE S _OCK GRADE, STRENGTH, GROUT, MOR	SUBMITTED TO THE ARCH
	SLOFE SNOW LOAD SNOW EXPOSURE FA SNOW LOAD IMPORT/ THERMAL FACTOR – SNOW (3-SIDED STORA	(Ct)	1.0 1.0 1.0	REINFORCEMENT. I HORIZONTAL INTER	HAVE A BOND BEAM AT THE ROOF, BOND BEAMS SHALL BE PROVIDED AT RVALS NOT TO EXCEED EIGHTEEN (18	T THE TOPS OF ALL CM) TIMES THE WALL (CM
	GROUND SNOW LOAD FLAT SNOW LOAD (F SLOPE SNOW LOAD SNOW EXPOSURE FA SNOW LOAD IMPORT/) (Pg) f) (Ps) CTOR (Ce)	30 PSF 30 PSF 30 PSF 1.0 1.0	CONTINUOUS #5 E MORTAR MIX DOES COLUMNS AT MAX	D ON DRAWINGS, REINFORCE ALL BON BARS WITH MINIMUM 3,000 PSI SMALI S NOT CONSTITUTE GROUT). PROVIDE (IMUM 48" VERTICAL AND ALL BOND E ITAL JOINT REINFORCING IN ALL MASC	L AGGREGATE CONCRETE WALL ANCHORS TO ALL BEAMS.
_	THERMAL FACTOR d. WIND BASIC WIND SPEED	(Ct)	1.2 115 MPH	JOINT REINFORCIN SEE PLANS AND I 18. PERPENDICULAR II	IG SHALL BE 3/16" (EXTRA HEAVY) (DETAILS FOR VERTICAL REINFORCING I NTERSECTING WALLS SHALL BE TOOTH	GALVANIZED TRUSS—TYP REQUIREMENTS. HED TOGETHER OR HAVE
	WIND IMPORTANCE F WIND EXPOSURE BASIC VELOCITY PRE 0-15' 20' 25'		1.0 B 19 PSF 20 PSF 21 PSF	NOTES: CORRUGAT INTERSECTING WAL 19. INSPECTION OF M	S-TYPE WIRE REINFORCEMENT CONTI TED SHEET METAL TAB ANCHORS ARE LLS PER ACI-530-EMPIRIAL DESIGN A ASONRY CONSTRUCTION SHALL BE AS 2009, AS LEVEL 1 SPECIAL INSTRUC	NOT ACCEPTABLE CON ANCHORAGE REQUIREMEN S OUTLINED IN TABLE 1
A	e. SEISMIC SEISMIC IMPORTANCE SPECTRAL RESPONSE SEISMIC DESIGN CAT SITE CLASS	E ACCELERATIONS	<u>1.0</u> S _{DS} 0.208 S _{D1} 0.097 B D (ASSUMED)		ING AND/OR SHORING OF MASONRY I	ELEMENTS IS THE CONT

8	7	I	6	I	5
OTES CTION OF STRUCTURAL STEEL SHALL CONFORM TO THE SN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR		E WORK SHALL CONFORM TO THE RE	EQUIREMENTS OF ACI 301 (LATEST AI BUILDINGS" AND ACI 318 (LATEST EDI		METAL PLATE CONNECTED WOOD TRUSSES
S ADOPTED BY THE AMERICAN INSTITUTE OF STEEL CLEANED IN ACCORDANCE WITH THE STEEL STRUCTURES DNS SP-3-82 FOR POWER TOOL CLEANING AND PAINTED TO A	CODE REQUIF 2. ALL DETAILING FOLLOW THE	REMENTS FOR STRUCTURAL CONCRETE G, FABRICATION, AND ERECTION OF RI LATEST ACI CODE AND THE LATEST A		SE NOTED, MUST	CRITERIA INCLUDING SNOW DRIFT & UNBALANC SEE ARCH DWGS FOR ALL DIMENSIONS. 2. ALL "SIMPSON" HARDWARE INDICATED ARE SUE
OF 2 MILS WITH A SHOP COAT OF TNEMEC #10-99 ALKYD ANUFACTURED BY TNEMEC COMPANY, INC., OF KANSAS CITY, MO,	3. PORTLAND CE	CONCRETE STRUCTURES." EMENT SHALL CONFORM TO ASTM C 1 SHT CONCRETE AGGREGATES:	150 TYPE I/II.		REVIEWING OF THE ROOF TRUSS SHOP DWG'S. A. TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH STANDARD FOR METAL PLATE CONNECTED WOOD TR
CONFORM TO THE FOLLOWING: FLANGE SHAPES SHALL BE ASTM A992 GRADE 50 MISC STEEL SHALL BE ASTM A36 GULAR TUBING SHALL BE ASTM A500, GRADE B. UBING SHALL BE ASTM A53, TYPE B. LL BE ASTM F1554 GRADE 36 (UNLESS NOTED OTHERWISE) S SHALL BE E70XX, LOW HYDROGEN	a. COURSE / 1) 2) 3) 4)		W: CLASS 3M.	.S LISTED BELOW:	SPECIFICATION. WHERE ANY APPLICABLE DESIGN FEA COVERED BY ANSI/TPI 1 OR THIS SPECIFICATION, D ACCORDANCE WITH THE APPLICABLE PROVISIONS OF ANSI/AWC NDS – NATIONAL DESIGN SPECIFICATION CONSTRUCTION, AND ALL APPLICABLE LEGAL REQUIR
TO THE CODE FOR THE ARC AND GAS WELDING IN BUILDING CAN WELDING SOCIETY, AND BE PERFORMED BY A CERTIFIED A.W.S. STANDARDS. CONFORM TO ASTM A-233, E70 SERIES. WELDS SHALL BE BEEN PREVIOUSLY QUALIFIED BY TESTS AS PRESCRIBED IN THE AWS) STANDARD CODE FOR WELDING IN BUILDING CONSTRUCTION.	5. CONCRETE SH STRENGTH (f' DESIGN MIX (ELEV.	HALL BE NORMAL WEIGHT CONCRETE . c) IN 28 DAYS. THE CONTRACTOR SH	AND SHALL DEVELOPED THE DESIGNA HALL USE THE FOLLOWING RECOMMEN N GRADE		 B. TRUSS MANUFACTURER SHALL FURNISH TRUSS DESI ACCORDANCE WITH ALL APPLICABLE LEGAL REQUIRE C. THE TRUSS MANUFACTURER SHALL FURNISH A TRUS SHALL PROVIDE AT A MINIMUM THE LOCATION ASSU IN THE TRUSS MANUFACTURER'S INTERPRETATION OF DOCUMENTS.
ARE REQUIRED TO BE SUBMITTED TO THE ENGINEER FOR JTS, WASHERS, AND WELD FILLER MATERIAL PRIOR TO THE	FOUN	AX W/C = 0.45 IDATION, WALLS, PIERS, GARAGE SLAB 500 PSI	3 ON GRADE & EXTERIOR SLAB ON G	GRADE	D. THE LOCAL BUILDING OFFICIAL OR APPLICABLE LEGA MANUFACTURER SHALL SUBMIT THE TRUSS SUBMITTA DESIGNER AND/OR THE LOCAL BUILDING OFFICIAL F
LATES (3/8" MIN.) ON BOTH SIDES OF THE WEB AT ALL ADS. DESIGNED BY THE CONTRACTORS ENGINEER AS REQUIRED TO	6. CONCRETE M		THE ENGINEER FOR REVIEW. TOGE		PRIOR TO THE MANUFACTURING OF THE TRUSSES. E. THE TRUSS DESIGN DRAWINGS SHALL INCLUDE, AT INFORMATION:
TIL THE PERMANENT BRACING IS HAS BEEN INSTALLED. SHORING OF THE STRUCTURAL STEEL ELEMENTS IS THE LINTELS NOT SHOWN ON DRAWINGS AS REQUIRED TO COMPLETE TH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS. RUCTURAL STEEL PERMANENTLY EXPOSED TO THE WEATHER	MIXES CAN A ACI 301 (LAT ACCEPTANCE STEPS REQUI THE CONTRAC	TTAIN THE MINIMUM DESIGN STRENGTH EST EDITION). IF DURING CONSTRUC CRITERIA, THE CONTRACTOR SHALL C RED TO IMPROVE SUBSEQUENT TEST CTOR SHALL ALSO BEAR THE COST OF SARY BECAUSE OF EVIDENCE OF LOW	NS, AND STONE GRADATIONS ATTESTIN H REQUIRED IN ACCORDANCE WITH CL CTION ANY CLASS CONCRETE FAILS TO COORDINATE WITH THE ENGINEER IN TA RESULTS AT NO ADDITIONAL COST TO OF SPECIAL INVESTIGATION, TESTING, O W-STRENGTH OR NON-CONFORMING C	CHAPTER 5 OF TO MEET THE TAKING THE TO THE OWNER. OR REMEDIAL	 BUILDING CODE USED FOR DESIGN, UNLESS SI INDEX SHEET SLOPE OR DEPTH, SPAN, AND SPACING. LOCATION OF ALL JOINTS AND SUPPORT LOCATION
NGLES, SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE ZING WITH ASTM A780-93A	CRACKING.	N GENERAL, WALLS SHALL NOT BE P	IMITING PLACEMENTS TO MINIMIZE SHF POURED IN CONTINUOUS LENGTH EXCE (POSED TO VIEW SHALL BE COORDINA	CEEDING 40 FEET.	4. NUMBER OF PLIES IF GREATER THAN ONE. 5. REQUIRED BEARING WIDTHS
JSE ASTM A325 BOLTS (UNLESS NOTED OTHERWISE) NOT SHOWN ON THE DRAWINGS SHALL BE PROVIDED BY THE HALL BE DESIGNED FOR THE FORCES SHOWN ON THE NS SHALL BE PREPARED AND STAMPED BY THE FABRICATOR'S REVIEW. T FROM FULL LENGTH STOCK. UNAUTHORIZED SPLICES WILL BE	PLACEMENT. BENT BAR DI. SPACING, HO NEAR THE TII DRAWINGS MA SHALL BE CH	INCLUDE BAR SIZES, LENGTHS, MATE AGRAMS, BAR ARRANGEMENTS, SPLICE OP SPACING AND SUPPORTS FOR CO TLE BLOCK SHALL BE RESERVED FOR Y NOT BE REPRODUCED IN WHOLE C	DRAWINGS THAT DETAIL FABRICATION, ERIAL, GRADE, BAR SCHEDULES, STIRF ES AND LAPS, MECHANICAL CONNECTIO INCRETE REINFORCING. A 4" X 4" SO THE ENGINEER'S REVIEW STAMP. TH OR PART AS A SHOP DRAWING. SHO DISREGARD FOR THE AFORESAID REQU THOUT REVIEW.	RRUP SPACING, TONS, TIE SQUARE AREA THE ENGINEER'S OP DRAWINGS	 6. DESIGN LOADS AS APPLICABLE, INCLUDE: TOP CHORD LIVE LOAD (FOR ROOF TRUSSES CONTROLLING CASE OF LIVE, RAIN OR SNOW TOP CHORD DEAD LOAD;
FABRICATED AND ERECTED IN ACCORDANCE "SDI ARY FOR STEEL ROOF DECK" FROM ASTM A653 SHEET AND THICKNESS ARE AS INDICATED ON THE DRAWINGS	ENTRAINED AI SHALL CONTA 10. REINFORCING	R. CONCRETE EXPOSED TO THE WEA IN 4% MIN. AND 6% MAX. ENTRAINED STEEL SHALL CONFORM TO ASTM A6		JNDATION WALLS,	 BOTTOM CHORD LIVE LOAD; BOTTOM CHORD DEAD LOAD; ADDITIONAL LOADS AND LOCATIONS.
ALVANIZED IN ACCORDANCE WITH ASTM A924 G90. BE SUPPLIED IN MINIMUM LENGTHS AS REQUIRED TO	MEMBRANE.	NG A CURING COMPOUND CONFORMIN OF REINFORCING BARS WILL BE PERI	NG TO ASTM C-309, BY WET BURLAP	P, OR A PLASTIC	•ENVIRONMENT LOAD DESIGN CRITERIA (WIND S ALL APPLICABLE FACTORS AS REQUIRED TO (AND
ONDITION. END CLOSURES, ROOF SUMPS, CLOSURES AT R ACCESSORIES NECESSARY FOR A COMPLETE INSTALLATION FASTENED TO THE SUPPORTING MEMBERS AS INDICATED ON	COMPRESSIVE PERMITTED.	STRENGTH AT 28 DAYS OF 5000 PS	ORMING TO ASTM C827, AND SHALL H SI. PREGROUTING OF BASE PLATES ' FE SHALL CONFORM TO ACI 301 (LATI	WILL NOT BE	 OTHER LATERAL LOADS, INCLUDING DRAG STR 7. ADJUSTMENT TO WOOD MEMBER AND METAL CONDUCTIONS OF USE.
IERS ARE RECOMMENDED FOR ATTACHING DECK THAT IS 24 WASHERS SHALL BE 16 GAGE. FASTENING OTHER THAN PROVIDED THE ALTERNATE FASTENERS MEET OR EXCEED THE SIGN DRAWING REQUIREMENTS.	15. MINIMUM CON ACI 318 (LAT		IFORCEMENT BARS SHALL BE AS FOLI	,	 8. MAXIMUM REACTION FORCE AND DIRECTION, ING REACTION FORCE WHERE APPLICABLE. 9. METAL CONNECTOR PLATE TYPE, MANUFACTURE
HORED AS REQUIRED BY THE MANUFACTURER'S SPAN AND JPPORT CONSTRUCTION LOADS. 2" END BEARING AND LAP END JOINTS A MINIMUM OF 2".	(b) CONCR (b) CONCR NO. 6 NO. 5	NENTLY EXPOSED TO EARTH ETE EXPOSED TO EARTH OR WEATHEF THROUGH NO. 18 BARS BARS, W31 OR D31 WIRE, AND SMAL	2 LLER 1-1/2		AND THE DIMENSIONED LOCATION OF EACH ME WHERE SYMMETRICALLY LOCATED RELATIVE TO 10. SIZE, SPECIES AND GRADE FOR EACH WOOD 11. TRUSS-TO-TRUSS CONNECTION AND TRUSS F
SHIP SHALL COMPLY WITH THE REQUIREMENTS OF THE OPEN WEB STEEL JOISTS, K-SERIES", STEEL JOIST INSTITUTE,	CONTAC SLABS,	ETE NOT EXPOSED TO WEATHER OR I ET WITH GROUND: WALLS, JOISTS: BAR AND SMALLER	IN 3/4		12. CALCULATED SPAN TO DEFLECTION RATIO AND HORIZONTAL DEFLECTION FOR LIVE AND FOR L (CREEP FACTOR) AS APPLICABLE.
BY MANUFACTURER'S ENGINEER, LICENSED IN THE PROJECTS GS REQUIRED BY THESE DOCUMENTS.	SPIRAL	Y REINFORCEMENT, TIES STIRRUPS, S	1–1/2 S REQUIRED TO MAINTAIN CONCRETE I	PROTECTION	13. REQUIRED PERMANENT INDIVIDUAL TRUSS MEN 14. TRUSS DESIGNER.
TED ON PLANS HAVE SPECIAL DESIGN REQUIREMENTS. REFER TO ING DIAGRAMS. JPLIFT, PROVIDE ADDITIONAL BRIDGING AS REQUIRED BY THE	SPECIFIED. 16. REINFORCEME NOTED OTHEF		HALL LAP 36 BAR DIAMETERS AT SPLI	ICES UNLESS	TRUSSES SHALL BE MANUFACTURED TO MEET QUALITY AND IN ACCORDANCE WITH THE INFORMATION PROVIDED TRUSS DESIGN DRAWINGS.
FEET OR LONGER, PROVIDE ADDITIONAL BRIDGING AS REQUIRED OR BOLTED AND BE ANCHORED AT END WALLS OR BEAMS. CONNECTIONS SHALL BE COMPLETELY INSTALLED PRIOR TO STRUCTION LOADS.	90 DEGREE E DIAMETERS, A BE EMBEDDEI SHALL BE TIE	BENDS AND EXTENSIONS, OR CORNER T CORNERS AND INTERSECTIONS. NO D INTO THE FOUNDATION SOIL. ALL	FORCEMENT SHALL BE CONTINUOUS / BARS OF EQUIVALENT SIZE LAPPED O REINFORCING OR REINFORCING SUF REINFORCING PROJECTING FROM THE INFORCING AND FULLY SUPPORTED FF ING" OF REINFORCING IS PERMITTED.) 44 BAR IPPORTS SHALL E CONCRETE FROM MOVEMENT	F. CONTRACTOR SHALL BE RESPONSIBLE FOR THE HAN TEMPORARY RESTRAINT/BRACING OF THE TRUSSES MANOR AND IN ACCORDANCE WITH THE RECOMMEND SBCA/TPI'S BUILDING COMPONENT SAFETY INFORMAT PRACTICE FOR HANDLING, INSTALLING, RESTRAINING
TS AND OTHER SUSPENDED EQUIPMENT SHALL BE DIRECTLY L POINTS UNLESS ADDITIONAL REINFORCEMENT IS PROVIDED. EXTEND A DISTANCE OF NOT LESS THAN 4 INCHES OVER THE	THE CONTRAC APPROVED B	CT DOCUMENTS. VERTICAL JOINTS SH Y THE ENGINEER.	CONCRETE CONSTRUCTION EXCEPT A HALL OCCUR AT CENTER OF SPANS A	AT LOCATIONS	CONNECTED WOOD TRUSSES.G. TRUSSES SHALL BE PERMANENTLY RESTRAINED AND CONSISTENCE WITH GOOD BUILDING PRACTICES AS CONSISTENCE WITH THE DECUMPENDATION OF THE OPENALIZE OF THE OP
ORT AND BE ANCHORED TO THE STEEL BEARING PLATE.	DIRECTION AN PROVIDED, SU DOES NOT EX	ID AS SHOWN ON THE DRAWINGS. A JCH THAT THE MAXIMUM SPACING BE ⁻ (CEED 15' AND DOES NOT EXCEED A		NTS SHALL BE CONTROL JOINTS	ACCORDANCE WITH THE REQUIREMENTS OF THE CON TRUSSES SHALL FURTHERMORE BE ANCHORED OR F OUT-OF-PLANE MOVEMENT SO AS TO KEEP ALL TR SIMULTANEOUSLY BUCKLING TOGETHER IN THE SAME LATERAL RESTRAINT SHALL BE ACCOMPLISHED BY: (
NOTES	SPALLS OR (WITH ADJOINI EXCESSIVE H	THERWISE DAMAGED SURFACES WITH NG SURFACES. AT THE DISCRETION	P TIES, "HONEYCOMBS," ROCK POCKE DRY PACK OR CEMENT GROUT, AND OF THE ENGINEER OR AS QUALIFIED MENT THAT JEOPARDIZE THE DESIGN IE CONTRACTOR.) FINISH FLUSH BY LAB TESTING,	WALLS; (B) PERMANENT DIAGONAL BRACING IN THE WEB MEMBERS; OR (C) OTHER SUITABLE MEANS.
NOTES < SHALL CONFORM TO THE REQUIREMENTS OF ACI 530/ASCE 5 ODE REQUIREMENTS FOR MASONRY STRUCTURES."	CLEARANCE F	RÒM THE CORNER AND TOP OF SLAE	CORNERS, PLACED ON THE DIAGONAL B. PILASTERS AND SIMILAR JOINTS SHALL	,	PRE-ENGINEERED ROOF TRUSSES
IORMAL WEIGHT MASONRY UNITS CONFORMING TO ASTM C-90, DNRY THAT DEVELOPS A PRISMATIC STRENGTH EQUAL TO FM1 = ASS 1 MASONRY AND FM1 = 1500 PSI OR BETTER FOR CLASS	1/4 INCHES, (DOWELED) J				DRAWINGS MUST BE SUBMITTED W/ ENGINEER'S SEA CRITERIA INCLUDING SNOW DRIFT & UNBALANCED LO ARCH DWGS FOR ALL DIMENSIONS.
RAGE WALL NET AREA COMPRESSIVE STRENGTH SHALL EQUAL NRY, AND SHALL EQUAL 1900 PSI FOR CLASS 2 MASONRY.	24. CONTRACTOR ABRASIONS. PROTECTION	, SHALL TAKE EVERY PRECAUTION TO NO FIRE SHALL BE ALLOWED IN DIRI	PROTECT FINISHED SURFACES FROM ECT CONTACT WITH CONCRETE. PRON OR WIND. FRESH CONCRETE SHALL	DVIDE ADEQUATE	 WOOD TRUSSES SHALL BE BRACED AND ERECTED II "TRUSS PLATED INSTITUTE" STANDARDS AND GENERA BRACING IN THE PLANE OF WEB MEMBERS: a. THE TRUSS FABRICATOR SHALL PROVIDE AND LOOP
AND GROUT SHALL CONFORM TO ASTM C-150. STM C476 WITH A MIN. COMPRESSIVE STRENGTH OF 2,500 PSI. LL CONFORM TO ASTM C476 WITH A MIN. COMPRESSIVE	25. TOPS OF FOU ROUGHENED	JNDATION WALLS SHALL BE TROWEL F	FINISHED AND SMOOTH. ALL SLABS IED IMMEDIATELY AFTER FLOATING. U		BRACING FOR EACH TRUSS WEB MEMBER AS REC b. LATERAL BRACING SHALL BE RESTRAINED BY DIAC THICK NOMINAL LUMBER). THIS BRACING IS TO E c. A MINIMUM OF TWO ROWS OF DIAGONAL BRACING
STRUCTED IN TEMPERATURES BELOW 40 DEG.F. PROVIDED A N AS REQUIRED TO MAINTAIN TEMPERATURE ABOVE 40 DEG.F.	PREPARATION PUMP.	OF TEST CYLINDERS SHALL BE TAKE	DITION OF PLASTICIZERS. CONCRETE EN FROM THE HOSE END FOR CONCR	RETE PLACED BY	EACH VERTICAL WEB MEMBER CLOSEST TO BEARI 4. THE BOTTOM CHORDS SHALL BE BRACED BY CONTI SPACED AT 8 TO 10 FEET, NAILED TO TOP OF THE
REMENTS WITH ACI 530, LATEST EDITION. BARS OR BOLTS SHALL BE GROUTED SOLID. ED SOLID SHOULD HAVE A MINIMUM CLEAR OPENING AS EDITION, OF FINE OR COURSE GROUT. COORDINATE GROUT	OF THE CON TO ENSURE I USE OF PLAS CONTRACTOR	FRACTOR TO COORDINATE THE REQUIR PUMPABLE AND WORKABLE MIX WITHO STICIZERS, RETARDANTS AND OTHER A SUBJECT TO THE APPROVAL OF THE	AT THE JOBSITE. IT SHALL BE THE REMENTS OF THE CONCRETE SUPPLIEF DUT THE ADDITION OF WATER AT THE ADDITIVES SHALL BE AT THE OPTION (ENGINEER. FOLLOW THE RECOMME DANTS AND OTHER ADDITIVES. USE (ER AND PUMPER JOBSITE. THE OF THE IENDATIONS OF	DIAGONALS PLACED AT 45 DEGREES TO THE LATERA LOCATED @ EA. END IF BUILDING EXCEEDS 60 FT. BRACING WOULD BE REPEATED @ 20 FOOT INTERVA 5. TOP CHORD BRACING:
THE REQUIREMENTS OF ASTM C476, AS NOTED ABOVE. TH STEEL BEAMS SHALL HAVE (2) #5 VERT. REINFORCING BARS JRSES OF CMU FILLED WITH GROUT. AROUND ALL MASONRY OPENINGS LARGER THAN 12 INCHES OR FILL CELLS SOLID WITH GROUT UNO.	28. PLACE CONCF TROWELING C SURFACE WAT AND 304 (LA	PERATIONS UNTIL THE CONCRETE HAS	NT SEGREGATION OF THE MIX. DELA S LOST SURFACE WATER SHEEN OR A SHALL COMPLY WITH ACI RECOMMENE	ALL FREE SLABS	 a. IF PLYWOOD SHEATHING IS APPLIED DIRECTLY TO LAPPED AND NAILED TO DEVELOP DIAGRAM ACTIO NOT REQUIRED. b. IF PURLIN ARE USED, DIAGONAL TOP CHORD BRA EACH END. IF BUILDING EXCEEDS 60 FEET IN LE SHOULD BE REPEATED AT 20 FOOT INTERVALS.
LY AT ALL EXTERIOR CORNERS AND AT THE TERMINAL ENDS OF AWINGS. FILL CELLS SOLID WITH GROUT UNO. XCEEDING 12 INCHES IN HEIGHT BY MECHANICAL VIBRATION AND	JOINT DEPT SOFT-CUT	TH: 1/4 OF SLAB THICKNESS	HOURS OF FINISHING WET-CUT SAW:	': JOINTS	6. IF PLYWOOD SHEATHING @ VALLEY TRUSS IS NOT II LATERAL BRACING @ 2'-0" O.C. FASTENED TO TOP
L VIBRATION AFTER INITIAL VAPOR LOSS AND SETTLEMENT HAS ARE REQUIRED TO BE SUBMITTED TO THE ARCHITECT AND STRENGTH, GROUT, MORTAR, AND REINFORCING BARS PRIOR TO	COULD ADVEF PROCEDURES	RSELY AFFECT THE PROPERTIES AND	IS TO BE DONE IN HOT WEATHER CO SERVICEABILITY OF CONCRETE, PREPA TION) SHOULD BE FOLLOWED UNLESS	ARATIONS AND	 PROVIDE "SIMPSON"; VTCR VALLEY TRUSS CLIPS @ BETWEEN THE VALLEY TRUSS & SUPPORT FRAMING TRUSS MANUFACTURER TO PROVIDE ALL TRUSS TO SPECIFY THE METAL HANGERS ON SHOP DRAWINGS.
ND BEAM AT THE ROOF, WHICH TIES INTO THE VERTICAL SHALL BE PROVIDED AT THE TOPS OF ALL CMU WALLS AND AT D EXCEED EIGHTEEN (18) TIMES THE WALL (CMU) THICKNESS.	COULD ADVEF PROCEDURES	RSELY AFFECT THE PROPERTIES AND	IS TO BE DONE IN COLD WEATHER SERVICEABILITY OF CONCRETE, PREPA TION) SHOULD BE FOLLOWED UNLESS	ARATIONS AND	9. DESIGN BOTTOM CORD OF TRUSS TO SUPPORT A 2 AREAS WHERE A RECTANGLE 3'-6" TALL BY 1'-0" THE BOTTOM CHORD AND ANY OTHER TRUSS MEMB
GS, REINFORCE ALL BOND BEAMS WITH A MINIMUM (2) INIMUM 3,000 PSI SMALL AGGREGATE CONCRETE (NOTES: ITUTE GROUT). PROVIDE WALL ANCHORS TO ALL BUILDING RTICAL AND ALL BOND BEAMS.	BE PERFORM	ED ACCORDING TO THE FOLLOWING RI I ONE COMPOSITE SAMPLE FOR EACH	I DAYS POUR OF EACH CONCRETE MI	<i>I</i> IXTURE	10. ALL "SIMPSON" HARDWARE INDICATED ARE SUBJECT REVIEWING OF THE ROOF TRUSS SHOP DWG'S.
INFORCING IN ALL MASONRY WALL AT 16" OC VERTICALLY. 3/16" (EXTRA HEAVY) GALVANIZED TRUSS-TYPE WIRE, U.N.O. VERTICAL REINFORCING REQUIREMENTS.	CU YD B. CONCF	OR FRACTION THEREOF. RETE SLUMP, AIR CONTENT AND TEMP	5 CU YDS., PLUS ONE SET FOR EACH PERATURE SHALL BE TAKEN AT POINT ADDITIONAL TEST WHEN CONSISTENCY	T OF PLACEMENT	11. PROVIDE SOLID BLOCKING OR BAND JOIST BETWEEN
WALLS SHALL BE TOOTHED TOGETHER OR HAVE THE REINFORCEMENT CONTINUOUS THROUGH THE INTERSECTION. ETAL TAB ANCHORS ARE NOT ACCEPTABLE CONNECTORS AT 530-EMPIRIAL DESIGN ANCHORAGE REQUIREMENTS. STRUCTION SHALL BE AS OUTLINED IN TABLE 1704.5.1 OF THE EVEL 1 SPECIAL INSTRUCTION, LEVEL 2 FOR SHEAR WALL	CHANG C. COMPF ONE S D. COMPF SPECIM	E. RESSION TEST SPECIMENS SHALL BE ET OF FIVE STANDARD CYLINDER SPE RESSION STRENGTH TEST SHALL BE P MENS AT 7 DAYS AND TWO SPECIMEN	PER ASTM C31 REQUIREMENTS. CAS ECIMENS FOR EACH COMPOSITE SAMP PER ASTM C39. TEST TWO LABORATO NS AT 28 DAYS. MAINTAIN AND CURE ER AT THE REQUEST OF THE ENGINEE	ST AND CURE PLE. ORY-CURED RE ONE FIELD	
SHORING OF MASONRY ELEMENTS IS THE CONTRACTOR'S	33. REQUIRED VE 1704.4 OF TI	RIFICATION AND INSPECTION OF CONC HE PA UCC AND IBC 2006.	CRETE CONSTRUCTION SHALL BE OUTL	FLINED IN TABLE	

1704.4 OF THE PA UCC AND IBC 2006. 34. BEFORE POURING CONCRETE, COORDINATE LOCATION OF ALL CAST-IN-PLACE OR EMBEDDED ITEMS -ANCHOR BOLTS, SLEEVES, CONDUITS, ETC. WITH THE OTHER TRADES.

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<u>USSES</u> DESIGN INTENT. WOOD TRUSS SHOP

ENGINEER'S SEAL W/ ALL DESIGN JNBALANCED LOADING AS PER CODE.

ARE SUBJECT TO CHANGE UPON DWG'S.

ANCE WITH ANSI/TPI 1, NATIONAL DESIGN WOOD TRUSS CONSTRUCTION AND THIS ESIGN FEATURE IS NOT SPECIFICALLY ICATION, DESIGN SHALL BE IN SIONS OF THE LATEST EDITION OF IFICATION (NDS) FOR WOOD REQUIREMENTS.

JSS DESIGN DRAWINGS PREPARED IN REQUIREMENTS.

A TRUSS PLACEMENT DIAGRAM WHICH ION ASSUMED FOR EACH TRUSS BASED TATION OF THE CONSTRUCTION

ABLE LEGAL REQUIREMENTS, THE TRUSS SUBMITTAL PACKAGE TO THE BUILDING OFFICIAL FOR REVIEW AND APPROVAL

RUSSES. LUDE, AT A MINIMUM, THE FOLLOWING

JNLESS SPECIFIED ON COVER/TRUSS

ORT LOCATION.

ONE.

TRUSSES THIS SHALL BE THE OR SNOW LOAD);

(WIND SPEED, SNOW, SEISMIC, AND IRED TO CALCULATE THE TRUSS LOADS);

DRAG STRUT LOADS.

METAL CONNECTOR PLATE DESIGN CTION, INCLUDING MAXIMUM UPLIFT

JFACTURER, SIZE THICKNESS OR GAUGE, EACH METAL CONNECTOR PLATE EXCEPT IVE TO THE JOINT INTERFACE.

I WOOD MEMBER; TRUSS FIELD ASSEMBLY REQUIREMENTS.

RATIO AND/OR MAXIMUM VERTICAL AND ND FOR LIVE PLUS DEAD LOAD AND KCR

RUSS MEMBER RESTRAINT LOCATION.

QUALITY REQUIREMENTS OF ANSI/TPI 1 PROVIDED IN THE FINAL APPROVED

THE HANDLING, INSTALLATION, AND RUSSES IN A GOOD WORKMANLIKE COMMENDATIONS SET FOR IN INFORMATION (BCSI): GUIDE TO GOOD TRAINING & BRACING OF METAL PLATE

INED AND BRACED IN A MANNER ICES AS OUTLINED IN BCSI AND IN THE CONSTRUCTION DOCUMENTS. RED OR RESTRAINED TO PREVENT ALL TRUSS MEMBERS FROM THE SAME DIRECTION. SUCH PERMANENT HED BY: (A) ANCHORAGE TO SOLID END G IN THE PLANE IN THE PLANE OF THE

SIGN INTENT. WOOD TRUSS SHOP EER'S SEAL W/ ALL DESIGN ANCED LOADING AS PER CODE. SEE

ERECTED IN ACCORDANCE WITH THE GENERAL NOTES.

AND LOCATE CONTINUOUS LATERAL AS REQUIRED.) BY DIAGONAL BRACING (MIN. 2" S IS TO BE CONTINUOUS. BRACING IS REQUIRED ONE @ TO BEARING LOCATIONS.

BY CONTINUOUS LATERAL BRACING OF THE BOTTOM CHORD. E LATERAL BRACES SHALL BE 60 FT. IN LENGTH, DIAGONAL INTERVALS.

ECTLY TO TOP CHORD, PROPERLY RAM ACTION, THEREFORE BRACING IS HORD BRACING IS REQUIRED AT EET IN LENGTH, DIAGONAL BRACING

ERVALS. IS NOT INSTALLED PROVIDE 2×4 D TO TOP CHORD OF TRUSS. CLIPS @ ALL CONNECTIONS

FRAMING BELOW. RUSS TO TRUSS CONNECTIONS AND RAWINGS.

PORT A 20 PSF LIVE LOAD IN ALL 1'-0" WIDE WILL FIT BETWEEN JSS MEMBER. SUBJECT TO CHANGE UPON

G'S. BETWEEN TRUSSES AT SUPPORTS. TIMBER AND SHEATHING:

1. ALL 2x6 FRAMING WOOD TO BE HEM-FIR NO. 2 OR BETTER

2. ALL ROOF AND FLOOR FRAMING JOISTS TO BE 2x12 MSR 2400 Fb 2.0E SYP

3. PROVIDE DOUBLE FLOOR JOISTS UNDER ALL PARTITIONS THAT RUN PARALLEL TO FRAMING DIRECTION.

4. PROVIDE DOUBLE 2x HEADERS (MIN.) AT ALL WINDOWS, DOORS AND WALL OPENINGS (UNLESS NOTED OTHERWISE ON PLANS)

- 5. ALL NAILING SHALL CONFORM TO THE INTERNATIONAL BUILDING CODE (2009 EDITION) TABLES 2304.9.1
- 6. WOOD FRAMING MEMBERS, INCLUDING WOOD SHEATHING THAT REST ON EXTERIOR FOUNDATION WALLS AND ARE LESS THAN 8" FROM EXPOSED EARTH SHALL BE OF NATURALLY DURABLE OR PRESERVATIVE-TREATED WOOD.
- 7. THERE SHALL BE ONE LINE OF BRIDGING FOR EACH 8 FEET OF SPAN. THE BRIDGING SHALL CONSIST OF NOT LESS THAN 1 INCH BY 3 INCH LUMBER DOUBLE NAILED AT EACH END OR EQUIVALENT METAL BRACING OR EQUAL RIGIDITY, FULL DEPTH SOLID BLOCKING OR OTHER APPROVED MFANS.
- 8. ROOF SHEATHING SHALL BE 24/16 PLYWOOD SPAN RATING (7/16" THICK MIN.) CONTINUOUS OVER 2 OR MORE SUPPORTS.
- 9. FLOOR SHEATHING SHALL BE 40/20 PLYWOOD SPAN RATING (19/32" THICK MIN.) CONTINUOUS OVER 2 OR MORE SUPPORTS.

LUMBER AND SHEATHING:

- 1. ALL WOOD FOR STRUTURAL FRAMING SHALL BE STRESS-GRADED, SURFACE DRY HEM-FIR (NORTH) No. 2 OR BETTER. GRADING SHALL BE AS PER "THE NATIONAL DESIGN AND SPECIFICATIONS FOR WOOD CONSTRUCTION, LATEST EDITON BY THE AMERICAN FOREST AND PAPER ASSOCIATION (AFPA). STANDARD GRADE MAY BE USED FOR 2x4 INTERIOR STUD WALL CONSTRUCTION.
- 2. PROVIDE 2x OR METAL CROSS-BRIDGING NOT OVER 8'-0" ON CENTER FOR ALL WOOD JOISTS AND SOLID BLOCKING BETWEEN JOISTS AND OR TRUSSES OR A BAND JOIST AT
- SUPPORTS. 3. PROVIDE SOLID BLOCKING UNDER ALL POSTS OR MULTIPLE STUDS, SEE PLANS FOR
- 4. FOR INTERIOR BEARING WALLS, PROVIDE MID-HEIGHT BLOCKING BETWEEN STUDS. THIS BLOCKING IS TO BE INSTALLED PRIOR TO INSTALLING THE FLOOR OR ROOF FRAMING
- 5. TIMBER CONNECTORS ARE AS MANUFACTURED BY SIMPSON STRONG-TIE COMPANY, INC. CONNECTORS BY OTHER MANUFACTURERS MAY BE USED IF THEY HAVE I.C.B.O APPROVAL AND THEIR LOAD CAPACITY IS EQUAL TO OR GREATER THAN THE CONNECTORS SPECIFIED. INSTALL CONNECTOR WITH THE MANUFACTURER'S INSTRUCTIONS.
- 6. ALL MICRO-LAM AND PARALLAM GIRDERS AND I-JOISTS, DESIGNATED ML, PL AND TJI ON PLAN TO BE MICROLAM AND PARALLAM GIRDERS MANUFACTURED BY WEYERHAEUSER.
- 7. PLYWOOD SHALL BE AMERICAN PLYWOOD ASSOCIATION (APA) EXTERIOR C-D AND SHALL CONFORM TO APA STANDARD PS1-74. PLACE PANELS WITH 8'-0" DIMENSION PERPENDICULAR TO SPAN OF FRAMING MEMBER AND END JOINTS STAGGERED. ATTACH TO FRAMING WITH 10d ("10 PENNY") NAILS SPACED AT 6" ALONG PANEL EDGES AND 12" AT INTERIOR SUPPORTS UNLESS OTHERWISE NOTED.
- 8. ROOF SHEATHING SHALL BE 24/16 PLYWOOD SPAN RATING (5/8" THICK MIN.) CONTINUOUS OVER 3 OR MORE SUPPORTS.
- 9. FLOOR SHEATHING SHALL BE 40/20 PLYWOOD SPAN RATING (3/4" THICK MIN.) CONTINUOUS OVER OR MORE SUPPORTS.

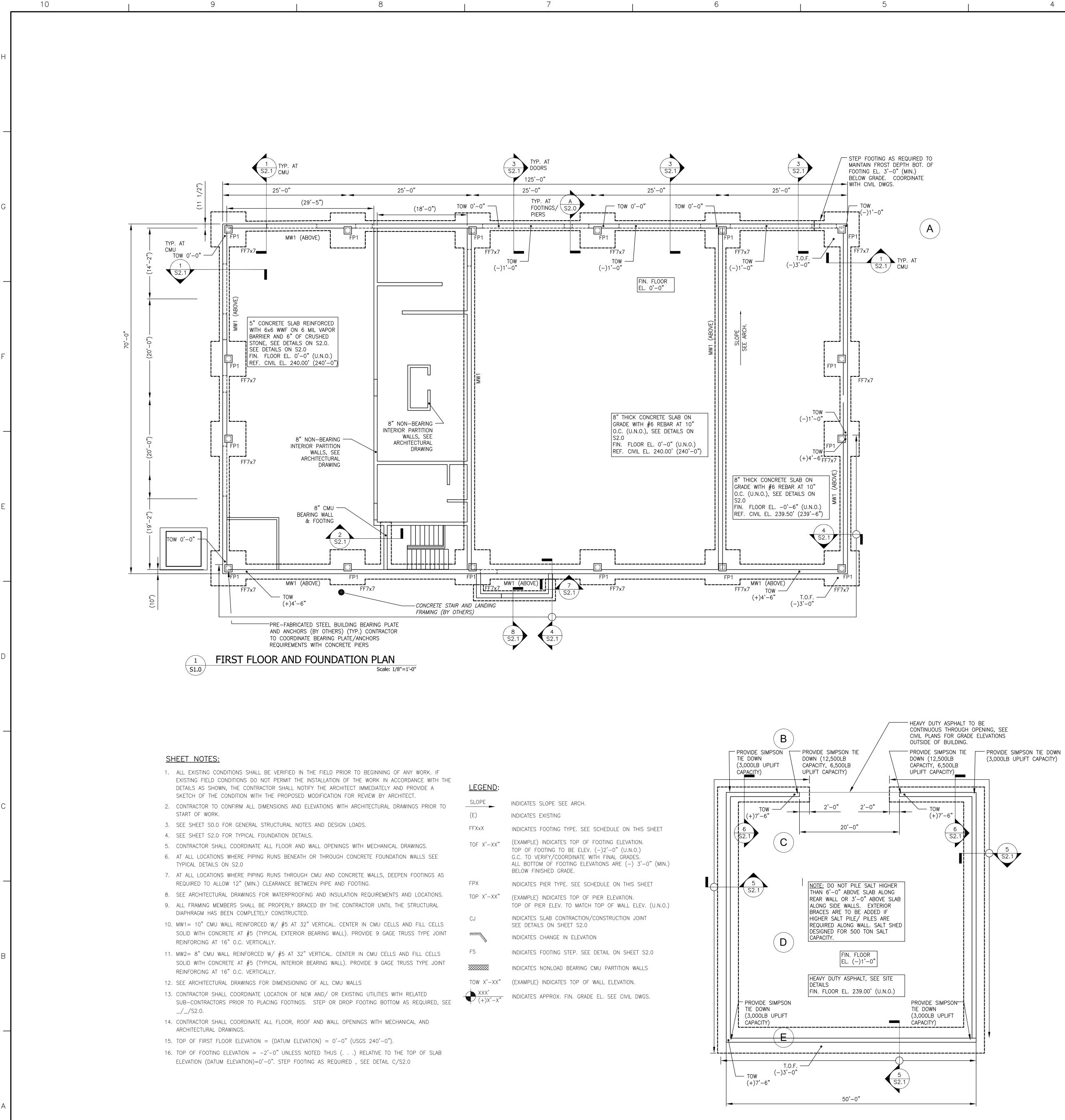
DEMOLITION NOTES:

- 1. THE CONTRACTOR SHALL VERIFY WITH OWNER FOR LOCATION AND SHUT OFF PROCEDURE FOR ALL UTILITIES LOCATED WITHIN THE WORK. 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING VALVES,
- CONNECTIONS OR SHUTOFFS ASSOCIATED WITH DEMOLITION ACTIVITIES FOR THIS WORK. 3. THE CONTRACTOR SHALL DEMOLISH, REMOVE AND DISPOSE OF DEMOLITION DEBRIS INCLUDING, BUT NOT LIMITED TO, PIPING, CONCRETE, EARTH AND BITUMINOUS PAVEMENT IN A PROPER MANNER TO AN OFFSITE DISPOSAL FACILITY AND PROVIDE DISPOSAL INFORMATION AS REQUESTED BY THE OWNER.
- 4. THE CONTRACTOR SHALL APPLY PROPER ENVIRONMENTAL DUE DILIGENCE WHEN DISPOSING OF DEMOLITION DEBRIS AND EXCESS MATERIALS. 5. THE CONTRACTOR SHALL ONLY USE CLEAN FILL FOR FILL AREAS. "CLEAN FILL", AS DEFINED
- BY PADEP, SHALL BE USED AND IS NOT TO CONTAIN ANY DEMOLISHED CONCRETE, BITUMINOUS PAVEMENT, FOREIGN MATERIAL, ETC.. 6. IF THE SITE WILL NEED TO IMPORT OR EXPORT MATERIAL FROM THE SITE, THE
- RESPONSIBILITY FOR PERFORMING ENVIRONMENTAL DUE DILIGENCE AND DETERMINATION OF CLEAN FILL WILL REST WITH THE CONTRACTOR AND SHALL BE VERIFIED BY THE OWNER.
- 7. THE CONTRACTOR SHALL USE SUPPORTS AND SHORING TECHNIQUES TO PROPERLY SUPPORT EXISTING UTILITY CROSSINGS AND TRENCH WALLS ASSOCIATED WITH DEMOLITION ACTIVITIES AS PER OSHA REGULATIONS.
- 8. THE CONTRACTOR SHALL SAWCUT EXISTING PAVEMENT AND CONCRETE AS SHOWN ON THE PLAN PRIOR TO THE REMOVAL OF ANY BITUMINOUS PAVEMENT OR DEMOLITION ACTIVITIES ASSOCIATED WITH THIS WORK.

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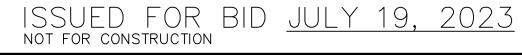
LOCATIONS, WITHIN THE FLOOR FRAMING. WHICH BEARS ON THIS WALL.

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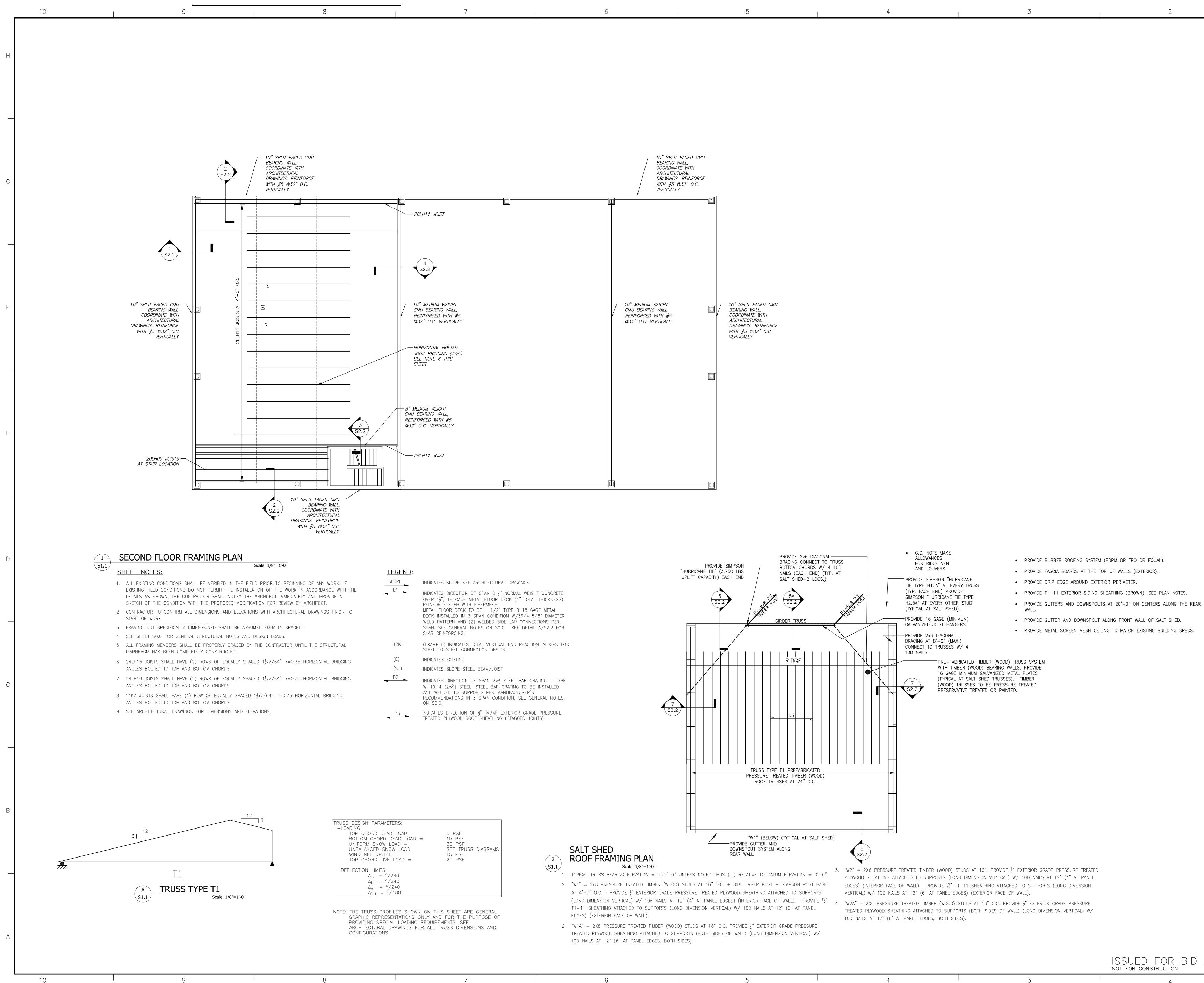


LEGEND:	

SLOPE	INDICATES SLOPE SEE ARCH.
(E)	INDICATES EXISTING
FFXxX	INDICATES FOOTING TYPE. SEE SCHEDULE ON THIS SHEET
TOF X'-XX"	(EXAMPLE) INDICATES TOP OF FOOTING ELEVATION. TOP OF FOOTING TO BE ELEV. (-)2'-0" (U.N.O.) G.C. TO VERIFY/COORDINATE WITH FINAL GRADES. ALL BOTTOM OF FOOTING ELEVATIONS ARE (-) 3'-0" (MIN.) BELOW FINISHED GRADE.
FPX	INDICATES PIER TYPE. SEE SCHEDULE ON THIS SHEET
TOP X'-XX"	(EXAMPLE) INDICATES TOP OF PIER ELEVATION. TOP OF PIER ELEV. TO MATCH TOP OF WALL ELEV. (U.N.O.)
CJ	INDICATES SLAB CONTRACTION/CONSTRUCTION JOINT SEE DETAILS ON SHEET S2.0
uuuuuuuu a	INDICATES CHANGE IN ELEVATION
FS	INDICATES FOOTING STEP. SEE DETAIL ON SHEET S2.0
	INDICATES NONLOAD BEARING CMU PARTITION WALLS
TOW X'-XX"	(EXAMPLE) INDICATES TOP OF WALL ELEVATION.
XXX' (+)X'-X"	INDICATES APPROX. FIN. GRADE EL. SEE CIVIL DWGS.

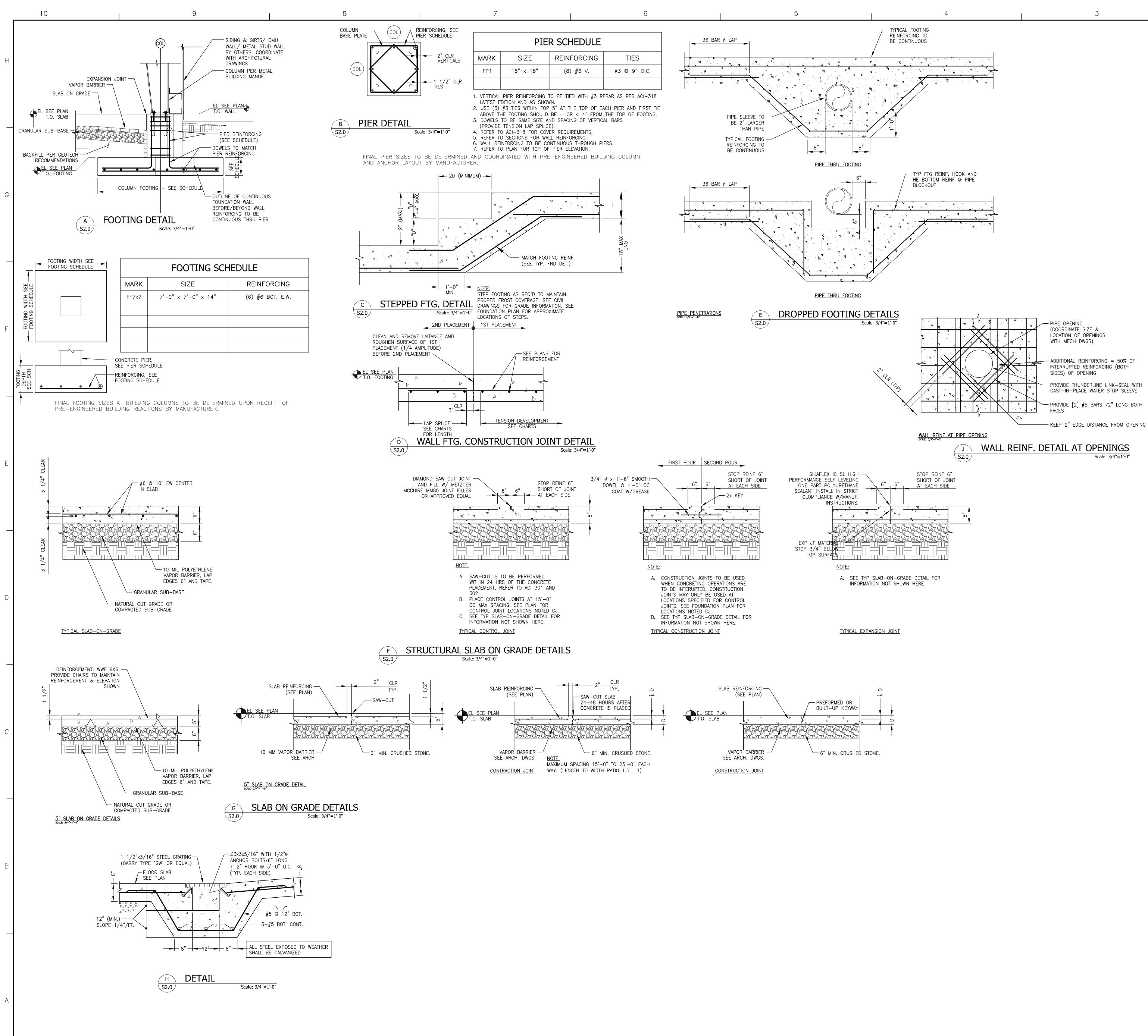


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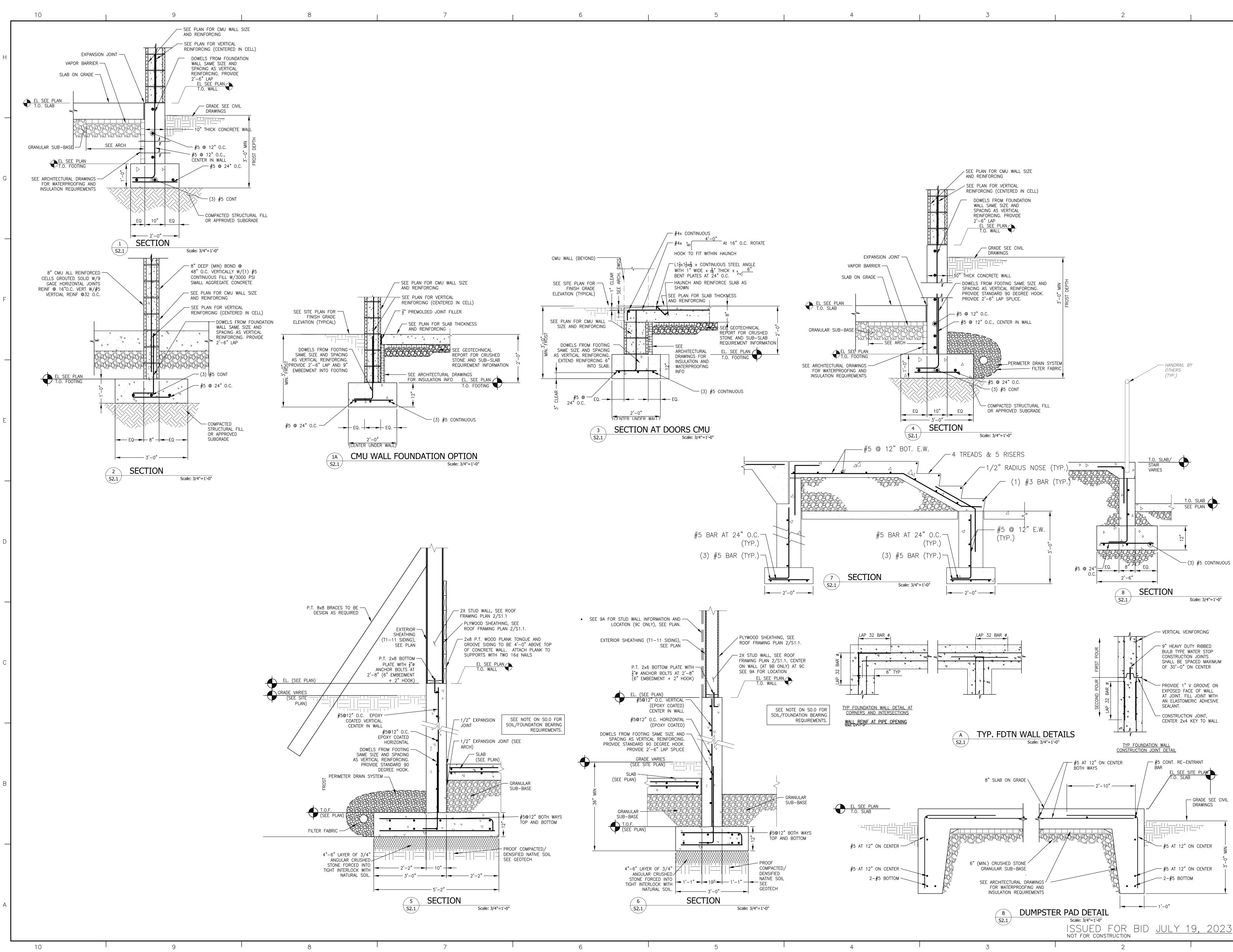


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			555 Van Reed Road Suite 2 Wyomissing, PA 19610	
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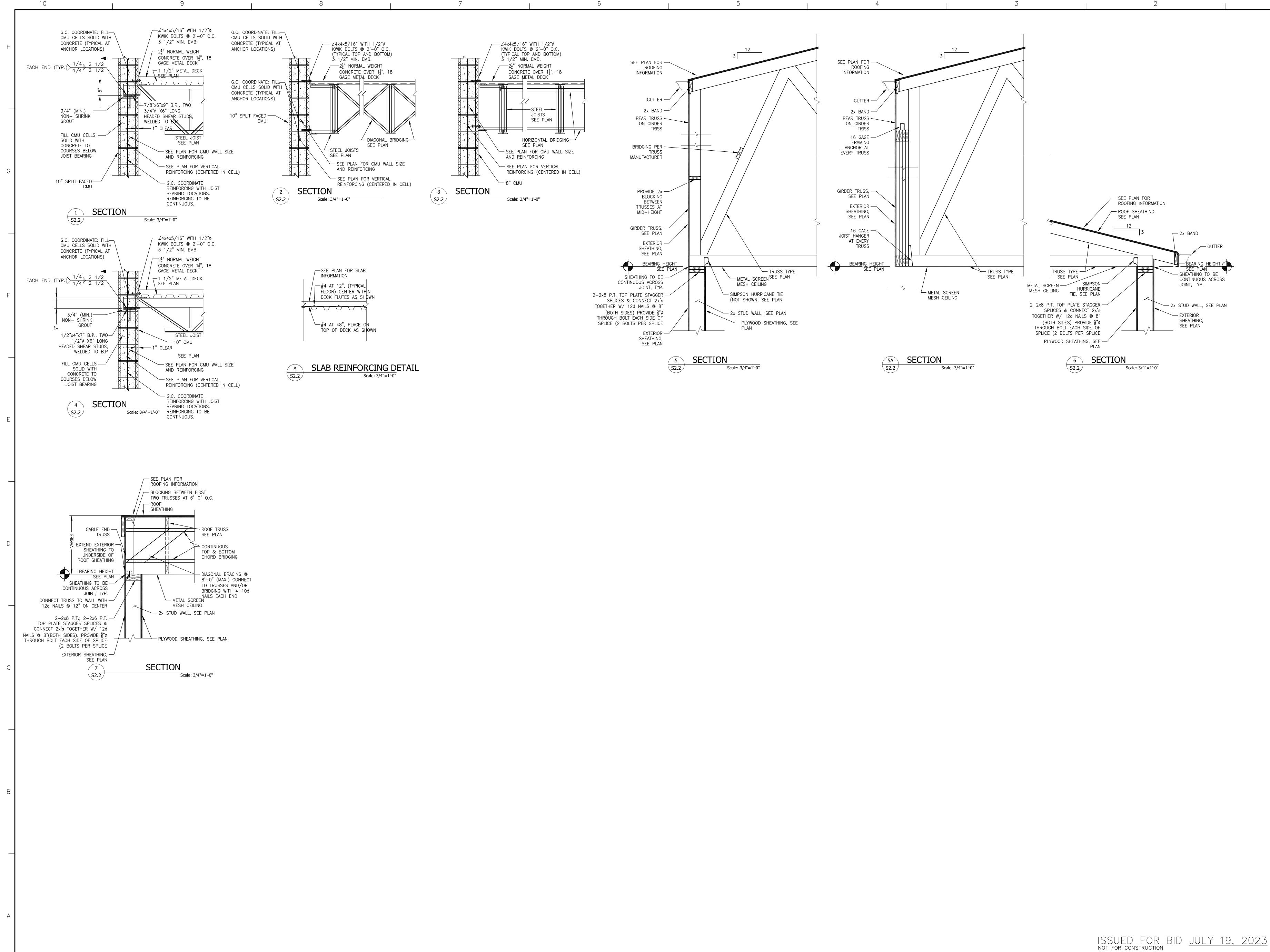




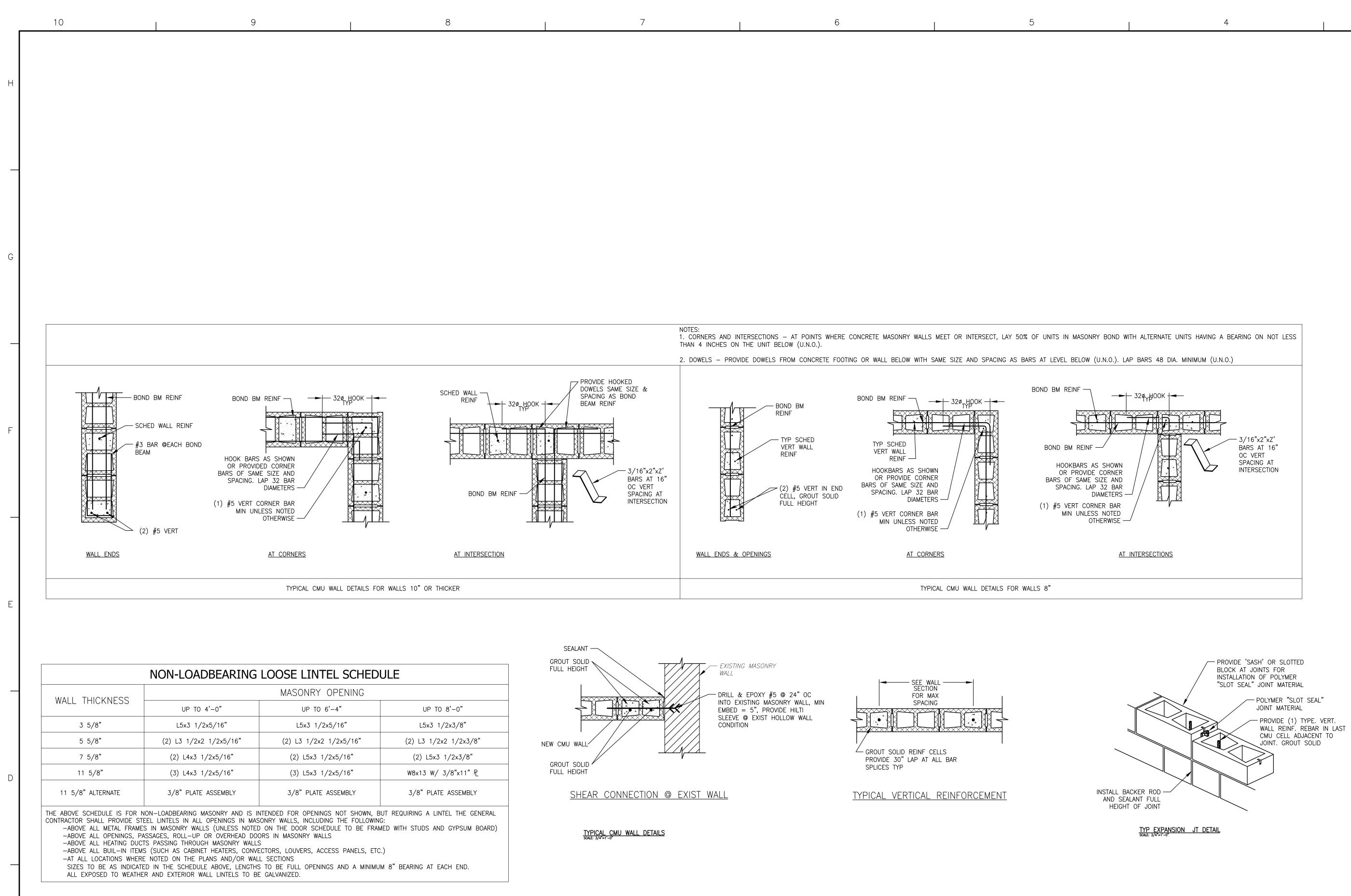
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client: WYOMISSING BOROUGH Location: WYOMISSING BOROUGH, BERKS COUNTY, PENNSYLVANIA Date: JULY 13, 2023	J. MANAG JCM .e: S NO ⁻		L RAWING N	SCAL ASDRAWING N	AMK cipal: scal JCM AS



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DETAILS AND SECTIONS	Dient: WYOMISSING BOROUGH Cocation: WYOMISSING BOROUGH, BERKS COUNTY, PENNSYLVANIA Date: JULY 13, 2023
AMK PRINCIPAL: SI	ROJ. MANAGER: JCM CALE: AS NOTED NO. A



- VERT WALL REINFORCING - WALL SYSTEM (SEE PLAN) - DOWELS TO MATCH VERT WALL REINF — LINTEL PER SCHEDULE - CMU INFILL EACH SIDE OF ANGLE └── L5x3 1/2"x5/16" LLV

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Renovations and New Building fo Public Works Facility

Borough of Wyomissing, Department of Publ 4th & Oley Street, Wyomissing, Berks Count

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DESIGN TEAM

ARCHITECT:

Olsen Design Group Architects

2345 Bernville Road Reading, PA 19605 610-371-9606 (FAX) 610-371-9607

SITE / STRUCTURAL/MEP FP ENGINEER:

McCarthy Engineering Assoc.

1121 Snyder Road West Lawn, PA 19609 610-373-8001 (FAX) 610-373-8077

SITE LOCATION PLAN



CONTACT PERSON(s)

Lee C. Olsen, AIA, NCARB, Principal - In - Charge

Olsen Design Group Architects 2345 Bernville Road Reading, Pennsylvania 19605

PHONE : 610 - 371 - 9606 FAX : 610 - 371 - 9607 E-Mail: lolsen@odgarchitects.com

ISSUE DATES

90% REVIEW BY OWNER : FINAL REVIEW BY OWNER : **ISSUED FOR BIDDING : 7/19/23 ISSUED FOR ACCESSIBILITY PLAN REVIEW : ISSUED FOR CODE REVIEW : ISSUED FOR PERMITS : ISSUED FOR CONSTRUCTION :**

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&	AND
A.B. A.F.F.	ANCHOR BOLT ABOVE FINISHED FLOC
A.I.B.	AIR INFILTRATION BAR
ALUM.	
ANOD. APPROX.	ANODIZE APPROXIMATE
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A.T.C.	ACOUSTIC TILE CEILIN
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<u> </u>	BITUMINOUS
BLDG.	BUILDING
BLKG.	BLOCKING
ВМ. В.М.	BEAM BENCH MARK
B.O.	BOTTOM OF
С	
САВ. С.В.	CABINET CATCH BASIN
C.D.	CEILING DIFFUSER
CEM.	CEMENT COUNTER FLASHING
C.G.	CORNER GUARD
C.H.	
C.J. C.L.	CONTROL JOINT CENTER LINE
CLG.	CEILING
CLR. COL.	CLEAR COLUMN
CPT.	CARPET
CONC.	
CONT. CRNR.	CONTINUOUS CORNER
C.T.	CERAMIC TILE
C.W.	CURTAIN WALL
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 D.	DEPTH
DBL.	DOUBLE
DET.	DETAIL
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DIV.	DIVISION
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F.D. F.E.	FLOOR DRAIN FIRE EXTINGUISHER
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G.W.B.	GYPSUM WALL BOARD
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IONS			EXIS	TING B	UILDING CODE RE	VIEW	NEW	BUILD	ING CODE REVIE	EW	D-1.0 EXISTING BUILDING DEMOLITION PLAN A-1.0 EXISTING BUILDING FLOOR PLAN A-1.1 NEW BUILDING FLOOR PLANS A-3.0 NEW BUILDING ELEVATIONS A-4.0 WALL SECTIONS & DETAILS A-4.1 BUILDING SECTION A-6.0 ENLARGED FLOOR PLANS, INTERIOR ELEVATION
FLOOR BARRIER EILING	L Lam. lbl. lntl. l.p. ltg. Mas. mas. max. mech.	LAMINATE LABEL LINTEL LOW POINT MASONRY MAXIMUM MECHANICAL	2018 INTERN 2018 INTERN NEW CONS PROPOSED L	ATIONAL BUILDING	BUILDING CODE, 2018 PA UCC CODE, CHAPTER 11, ACCESSIBILITY RENOVATIONS TO EXISTING BUILDING O ADI ROUP B / STORAGE GROUP S-1	DITION(S) 🗌 ALTERATION(S)	2018 INTERNA 2018 INTERNA NEW CONS PROPOSED U BUILDI	TIONAL BUILDING	G CODE, 2018 PA UCC G CODE, CHAPTER 11, ACCESSIBILITY RENOVATIONS TO EXISTING BUILDING	ADDITION(S) 🗌 ALTERATION(S)	A-6.0 INTERIOR ELEVATIONS, DETAILS & GENERAL N A-6.1 INTERIOR ELEVATIONS, DETAILS & GENERAL N A-7.0 REFLECTED CEILING PLAN A-8.0 DOOR SCHEDULE, DETAILS & GENERAL NOTES A-9.0 ROOM FINISH SCHEDULE, PARTITION TYPES, D S-0.0 GENERAL STRUCTURAL NOTES S-1.0 FIRST FLOOR AND FDTN. PLAN - NEW BUILDING S-1.1 SECOND FLOOR FRAMING PLAN-NEW BUILDING S-2.0 FOUNDATION DETAILS AND SECTIONS S-2.1 OPEN WEB STEEL JOIST DETAILS AND SECTIONS S-2.3 CMU MASONRY DETAILS AND SECTIONS
	M.G.S. MH. MIN. MISC. MTD. MTL. MTL. N. N.I.C. NO. N.T.S.	METAL GRAVEL STOP MANHOLE MINIMUM MISCELLANEOUS MOUNTED METAL NORTH NOT IN CONTRACT NUMBER NOT TO SCALE	BUILDING HE MAX. H MAX. A ALLOW AREA NUMBER OF FLOOR	REA: S-1 = 17,500 VABLE INCREASE: SUMMAR STORIES / SQ. FT : <u>OVERALL</u>	(1) ONE / 8,780 FLOOR SQ. FT. PROJECT SQ. FT. F	PERCENT (%) OF FLOOR AFFECTED	MAX. HE MAX. AF ALLOW AREA S NUMBER OF S <u>FLOOR</u> MAIN LEVEL	EA: B = 23,000 (I ABLE INCREASE: SUMMAR STORIES/SQ. FT : <u>OVERALI</u> 8,75	Y : 1 / 8,750 <u>. FLOOR SQ. FT.</u> D SQ. FT. 8,750 SQ. FT.	100%	MECHANICAL: M-1 MECHANICAL - NEW BUILDING FIRST FLOOR PLA M-2 MECHANICAL - NEW BUILDING MEZZANINE PLAN
κ	O o.c. o.d. o.h. opp. opng. P.i.p. p.i.p. p. LAM. plumb. pnl.	ON CENTER OUTSIDE DIAMETER OPPOSITE HAND OPPOSITE OPENING POURED IN PLACE PLASTIC LAMINATE PLUMBING PANEL	MAIN LEVEL GARAGE - NO REQUI MAIN LEVEL:	GARAGE NOV PANCY DA OFFICE (BUSINES D WORK/NO CHAN RED EGR	S) 1080 x 150 = 8 GE 8 OCCUPANTS	12% NO WORK	MAIN LEVEL REQUI MAIN LEVEL:	PANCY DAD DIFFICE (BUSINES GARAGE & WASH RED EGR	S) 3,500 x 150 = 24 BAY (S-1) 5,250 x 300 <u>= 18</u> 42 OCCUPANTS	100%	ELECTRICAL: PLUMBING:
	PR. PRCST. PROJ. P.T. PTD. Q	PAIR PRECAST PROJECT PRESSURE TREATED PAINTED	FIRE R BUILDING ELEMENT	ESISTAN rating	CE RATING (HOURS) REFERENCE CODE SECTION/EXCEPTIONS	CONSTRUCTION TYPE: <u>II</u> - B FIRE SEPARATION DISTANCE (FEET)	FIRE R BUILDING ELEMENT	ESISTAN rating	CE RATING (HOURS) REFERENCE CODE SECTION/EXCEPTIONS	CONSTRUCTION TYPE: <u>II</u> - B FIRE SEPARATION DISTANCE (FEET)	
	<u>α</u> .ς. ατγ. <u>R</u>	QUALITY CONTROL QUANTITY	STRUCTURAL FRAME, COLUMNS GIRDERS, & TRUSSES BEARING WALLS	¹ , 0	TABLE 601	-	STRUCTURAL FRAME, COLUMNS, GIRDERS, & TRUSSES BEARING WALLS	0	TABLE 601		
TRACTOR ASHING	R. RAD. R.C.P. RCPT. R.D. REF. REINF. REM. REQ.	RISER RADIUS REFLECTED CEILING PLAN RECEPTACLE ROOF DRAIN REFERENCE REINFORCE REMOVABLE REQUIRE	EXTERIOR INTERIOR NONBEARING WAL EXTERIOR INTERIOR FLR. CONST. SUPPORT BEAMS,	0 0 LS & PARTITIONS 0 0	TABLE 601 TABLE 601 TABLE 602 TABLE 601 TABLE 601	 X >/= 30' 	EXTERIOR INTERIOR NONBEARING WALL EXTERIOR INTERIOR FLR. CONST. SUPPORT BEAMS,	0 0 S & PARTITIONS 0 0	TABLE 601 TABLE 601 TABLE 602 TABLE 601 TABLE 601	 X >/= 30' 	
URE COOLER	RESIL. REV. RFG. R.O. R.W.C.	RESILIENT REVISION ROOFING ROUGH OPENING RAIN WATER CONDUCTOR	& JOISTS ROOF CONST. SUPPORT BEAMS, & JOISTS SHAFT - EXIST SHAFT - OTHER CORRIDOR	0 N/A N/A	TABLE 601 SECTION 713.4		& JOISTS ROOF CONST. SUPPORT BEAMS, & JOISTS SHAFT - EXIST SHAFT - OTHER CORRIDOR	0 N/A 1	TABLE 601 SECTION 713.4		
ER ET	S. SCHED. S.F. S.H. SIM. SPECS. SQ. S.S. STL. S.V.T.	SOUTH SCHEDULE SQUARE FOOT SOFFIT HEIGHT SIMILAR SPECIFICATIONS SQUARE STAINLESS STEEL STEEL SOLID VINYL TILE	SEPARATION OCCUPANCY GROUP SEPARATION PARTY / FIREWALL SEPARATION SMOKE BARRIER SEPARATION TENANT SEPARATION	0 0 - N/A 1 N/A	TABLE 1020.1 TABLE 508.4 SECTION 709.3	CORRIDOR LOAD LESS THAN 30 w/ SPRINKLERS 	SEPARATION SEPARATION OCCUPANCY GROUP SEPARATION PARTY / FIREWALL SEPARATION SMOKE BARRIER SEPARATION TENANT SEPARATION	0 0 N/A 1 N/A	TABLE 1020.1 TABLE 508.4 SECTION 709.3	CORRIDOR LOAD LESS THAN 30 w/ SPRINKLERS	
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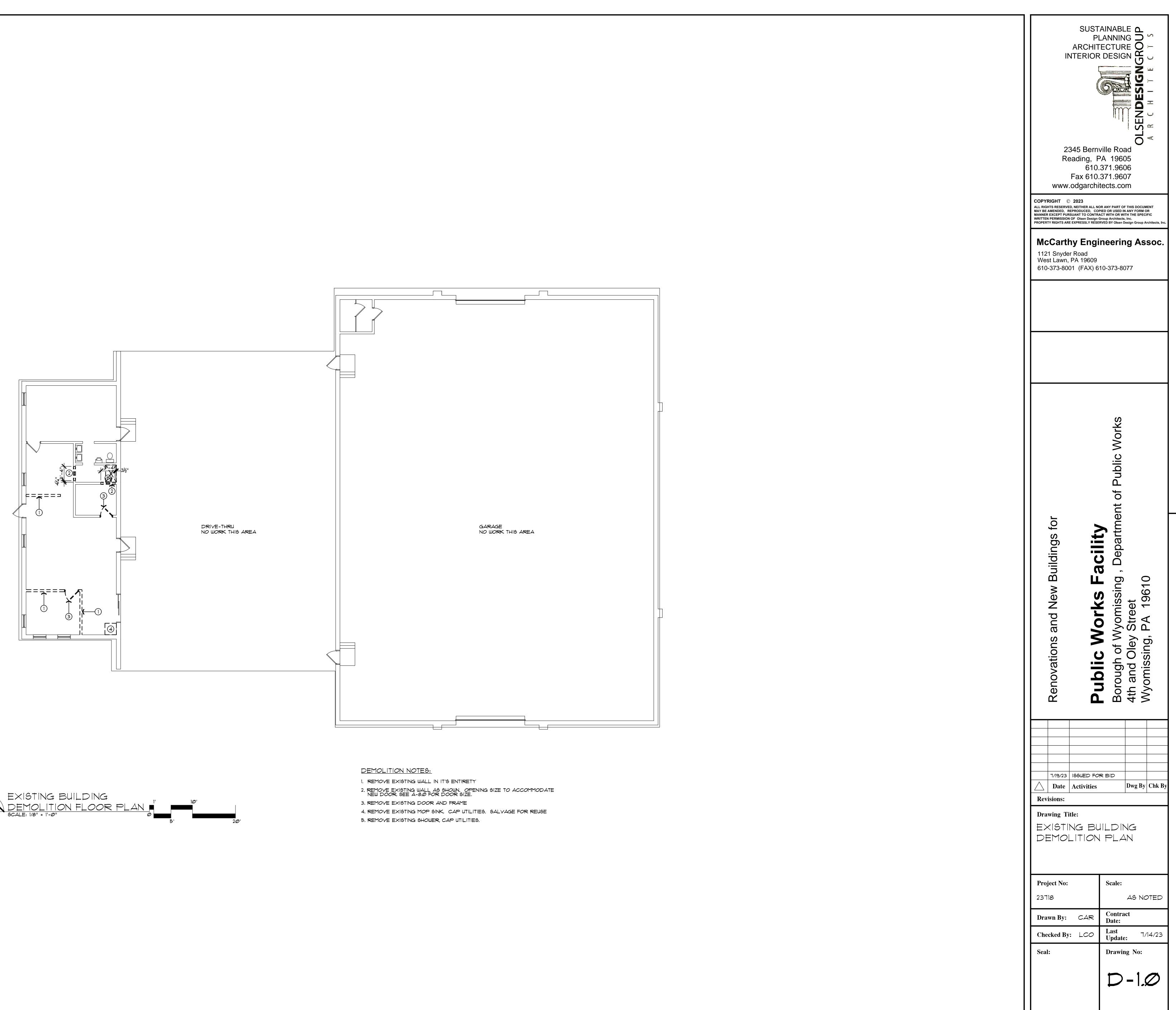
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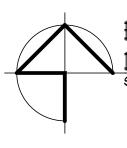


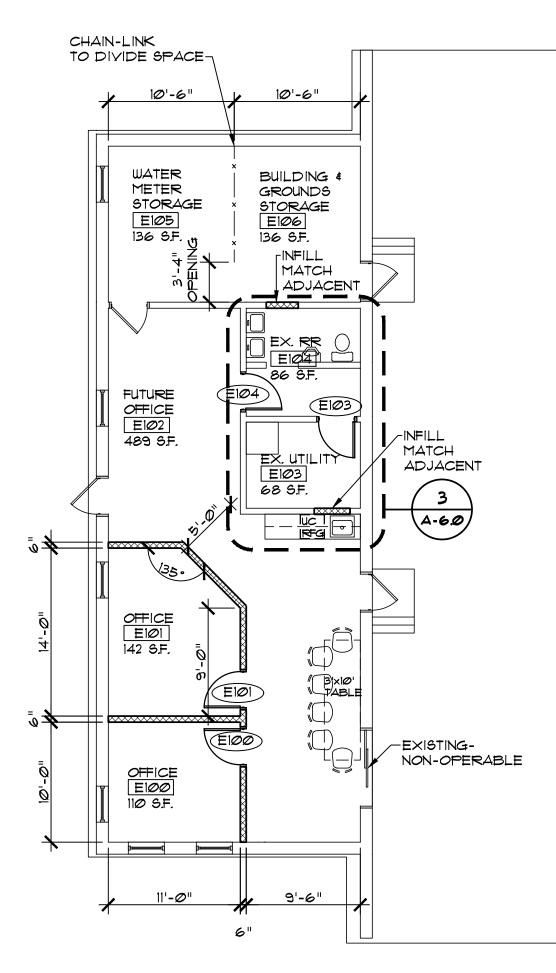
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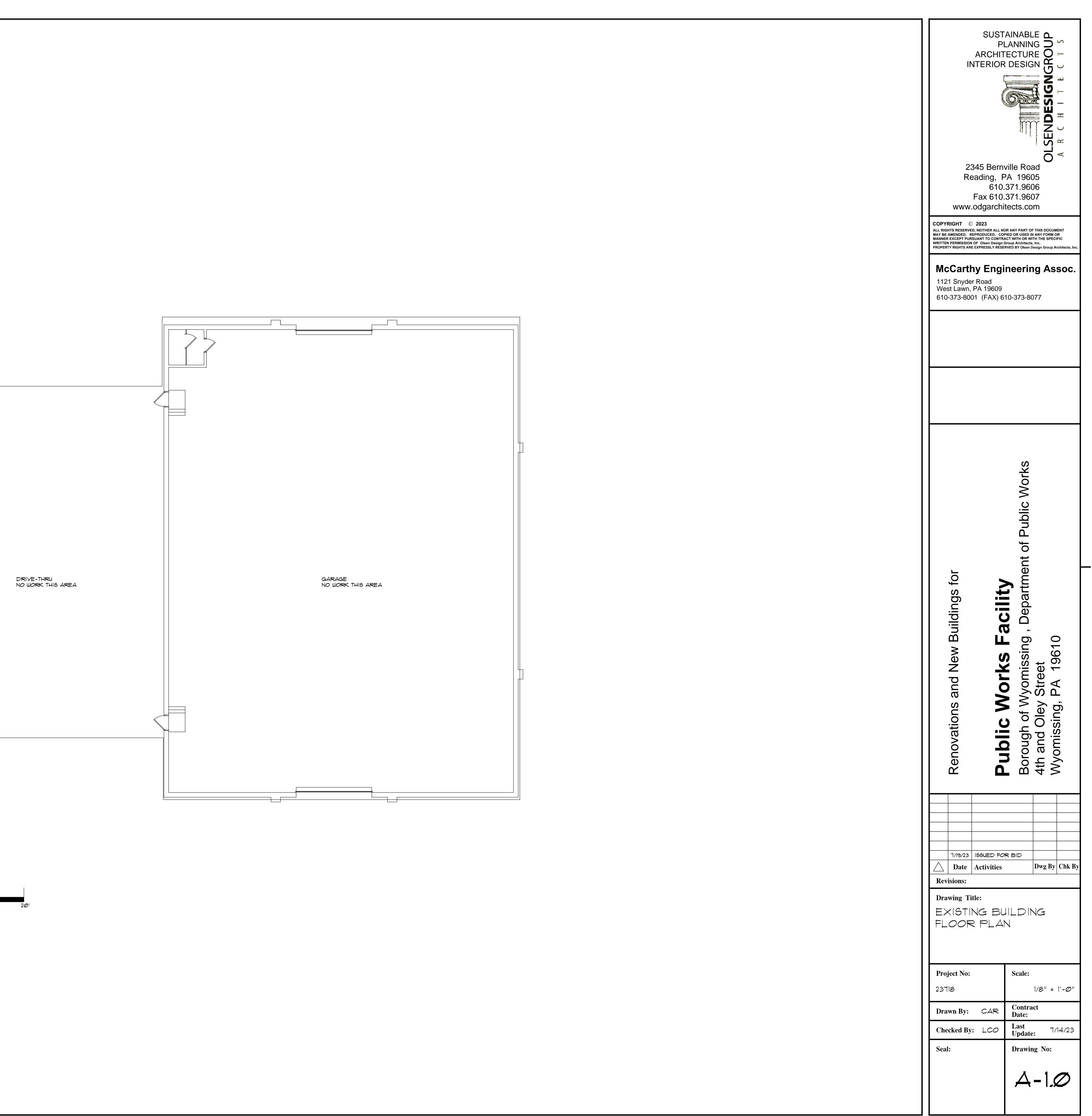
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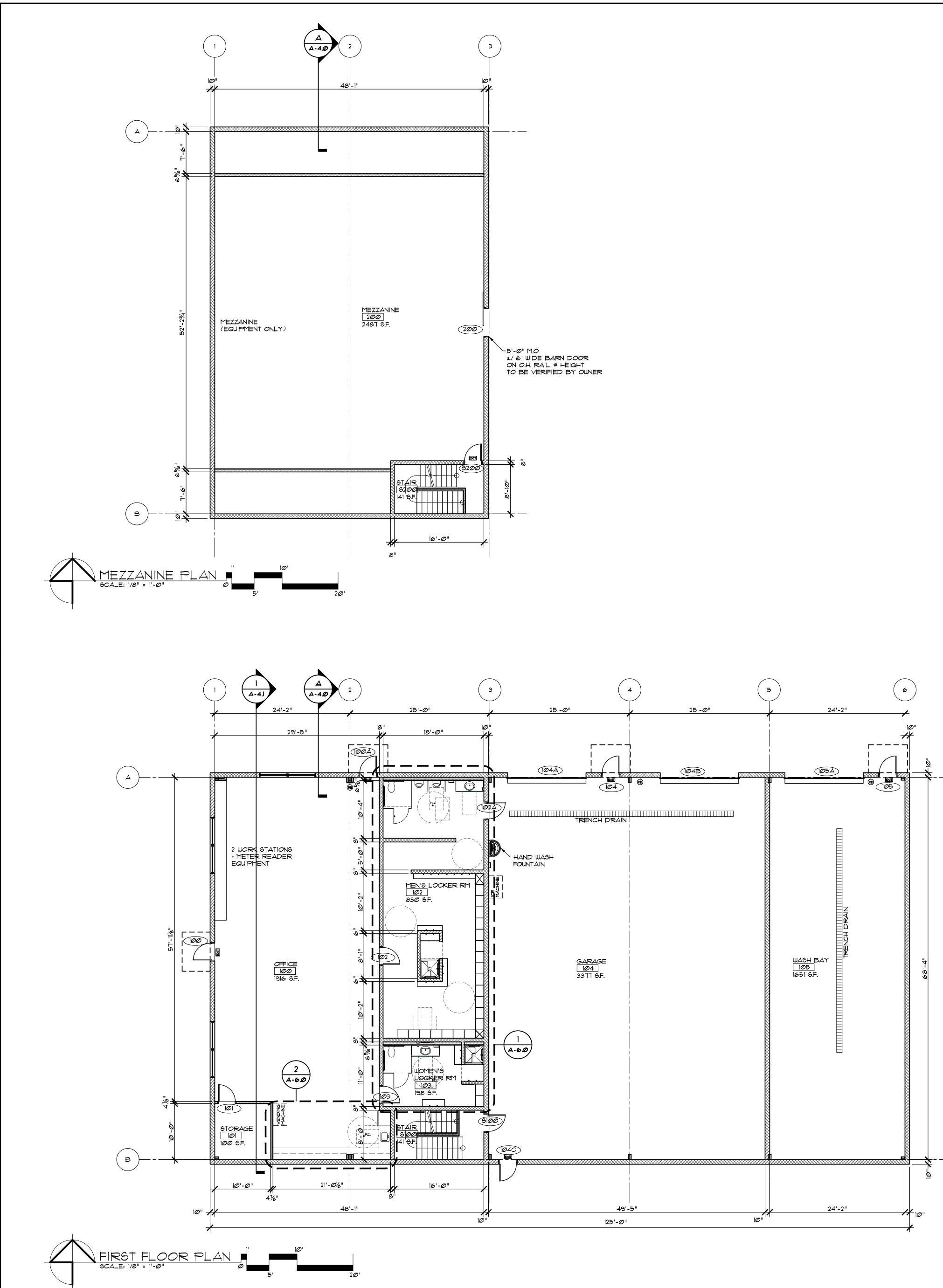




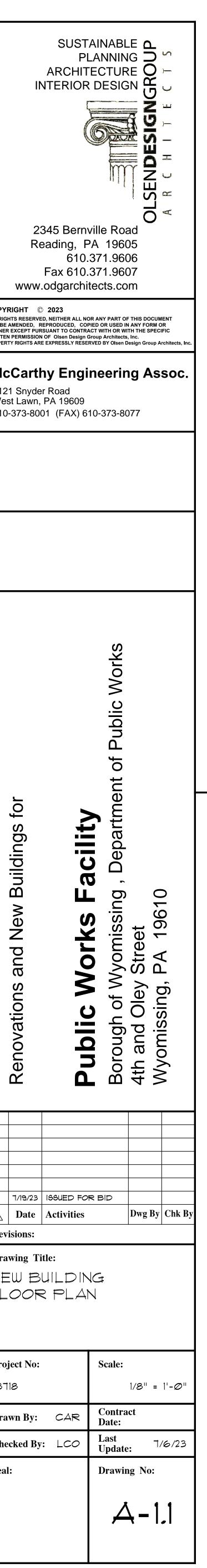


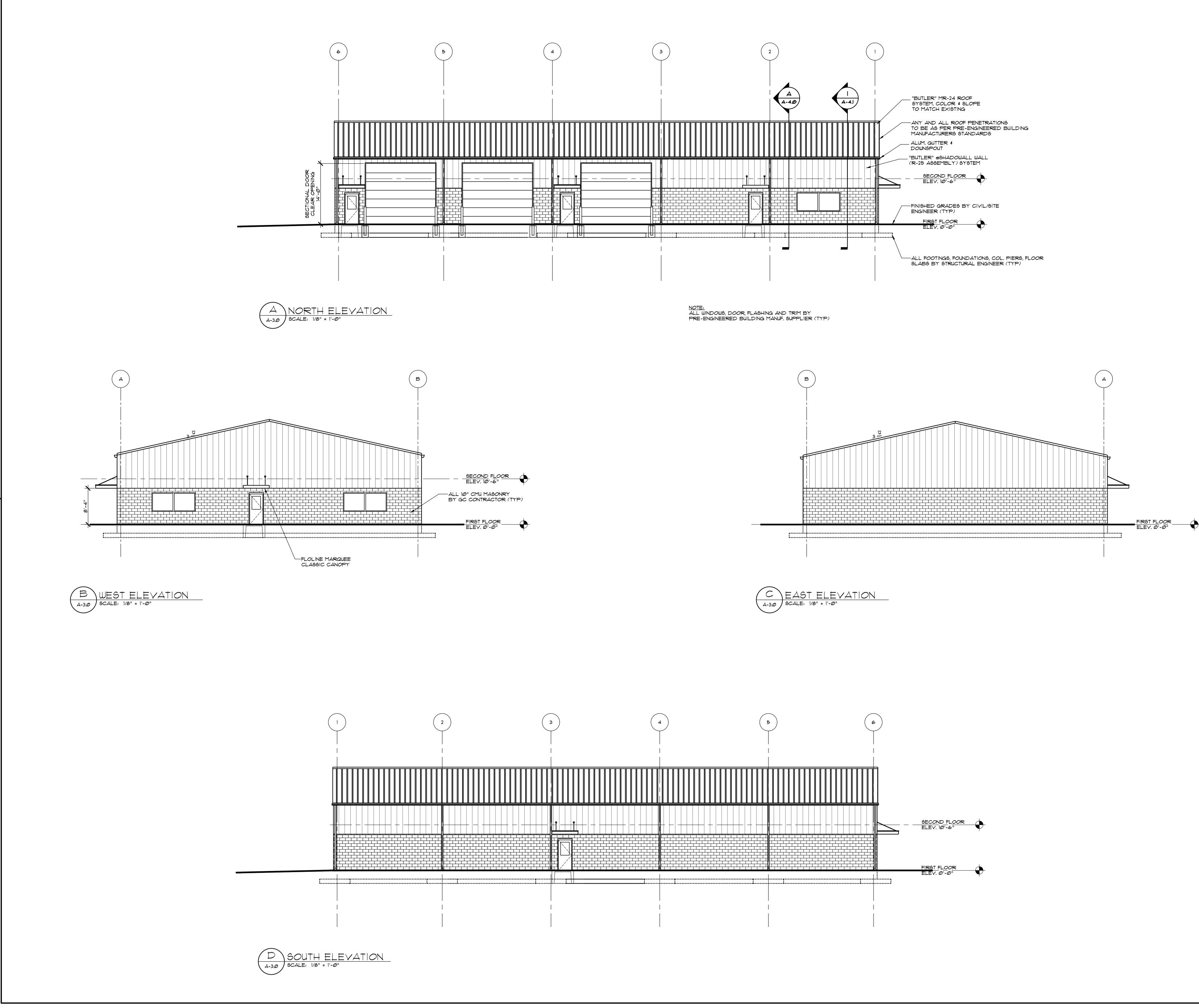




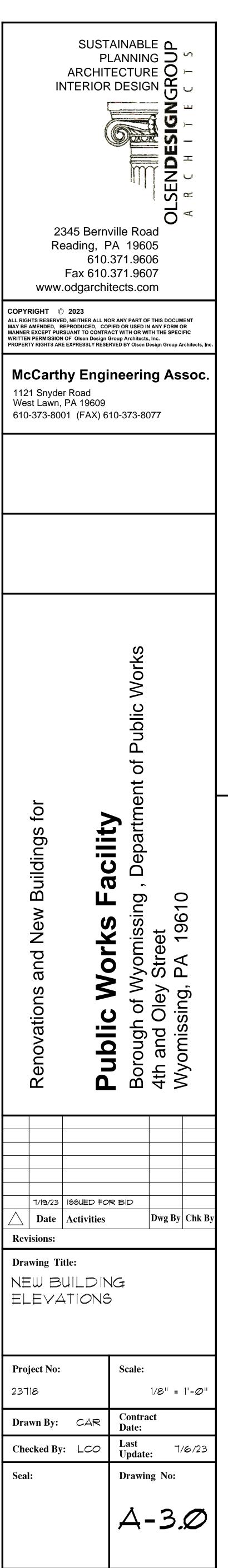


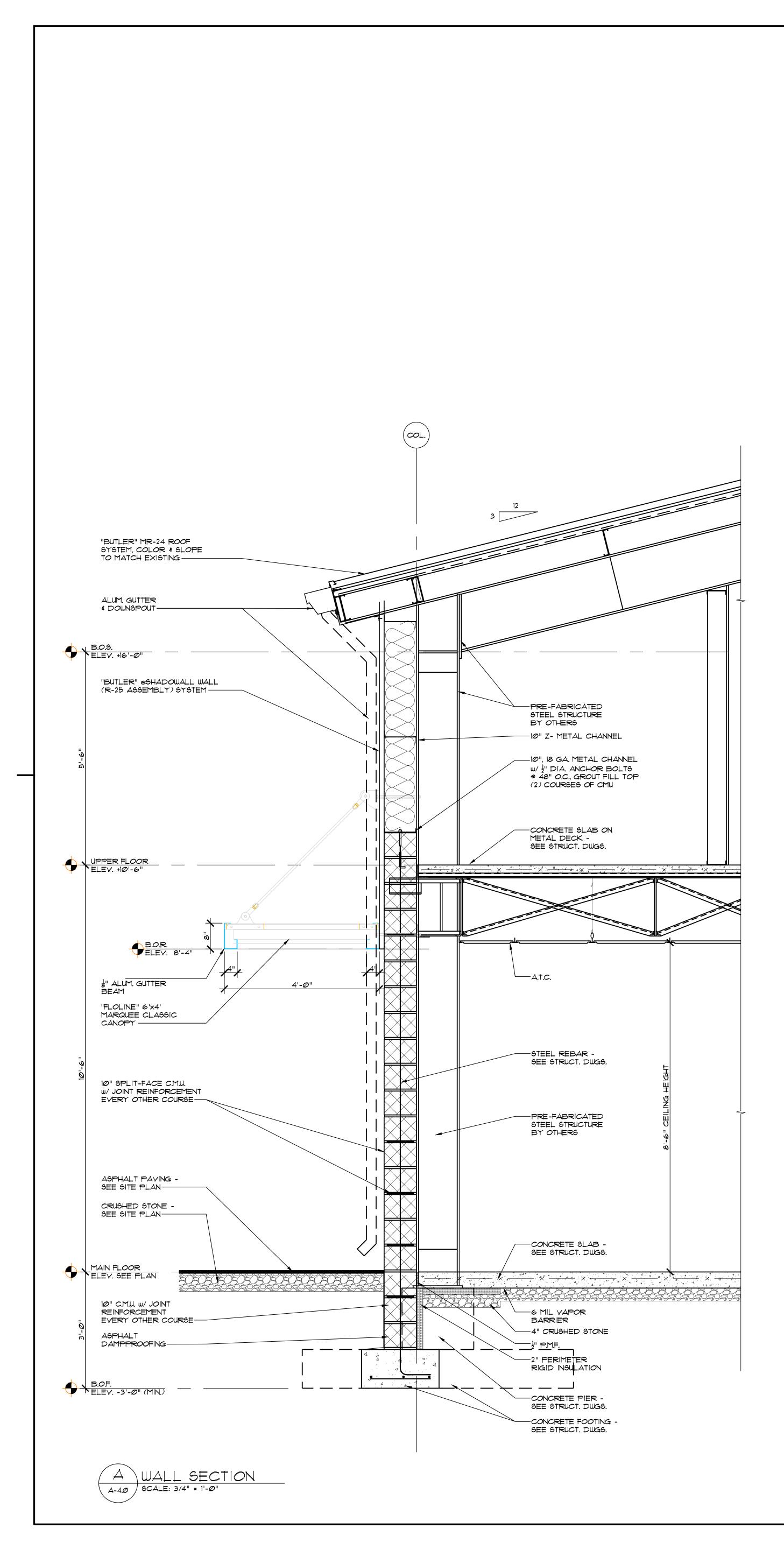
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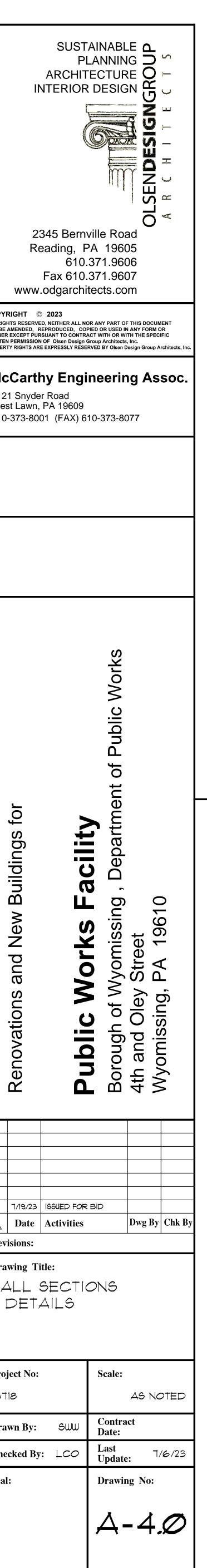


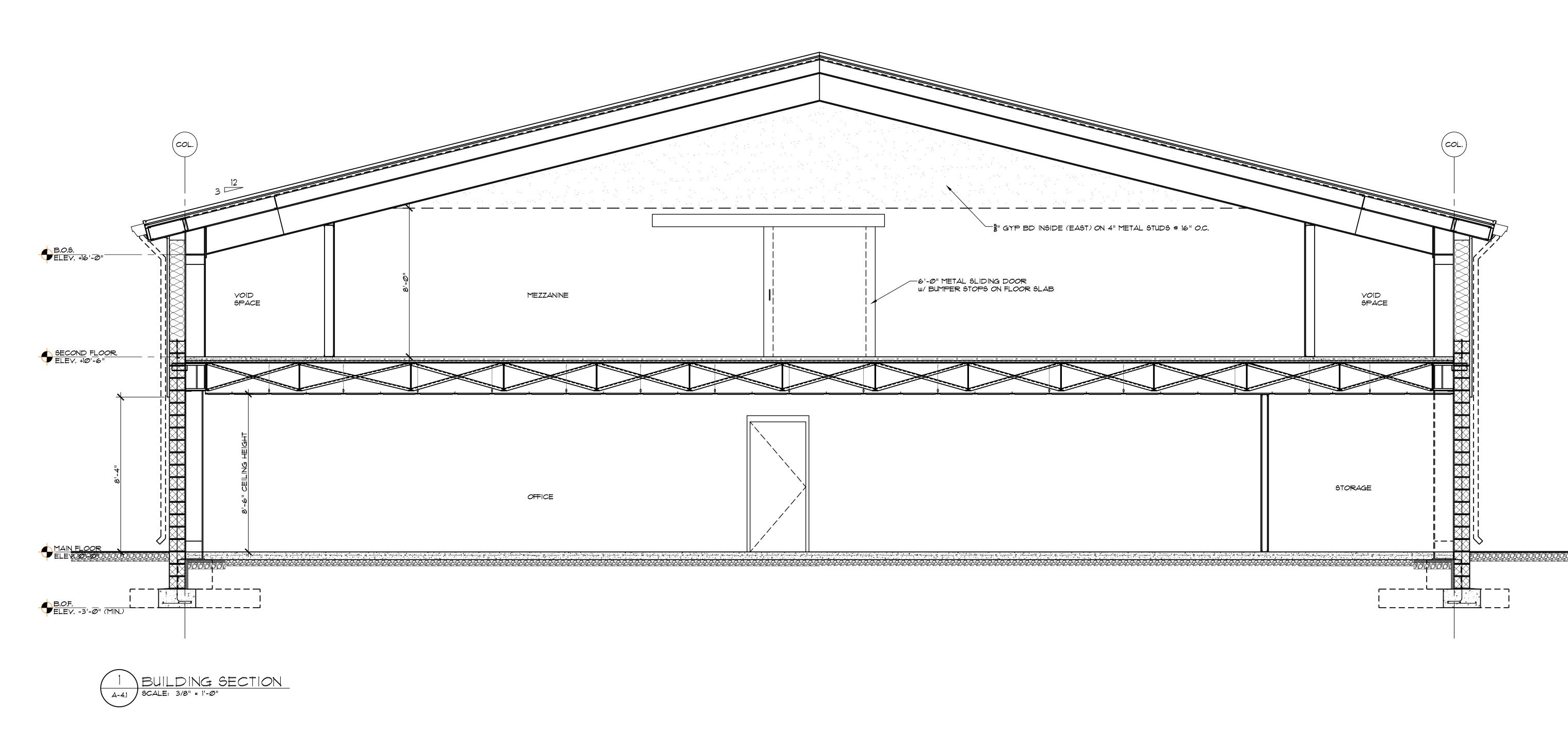
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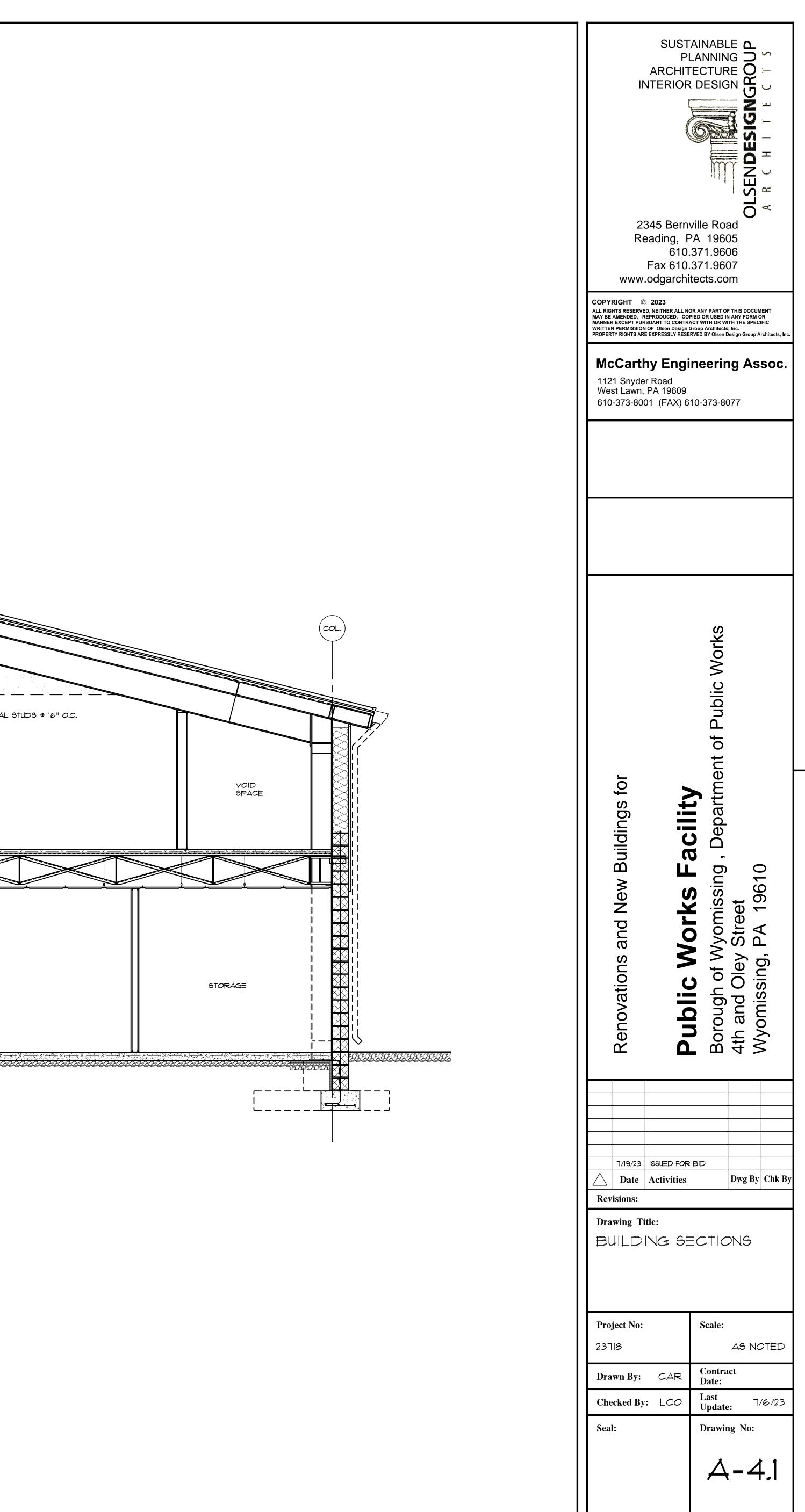


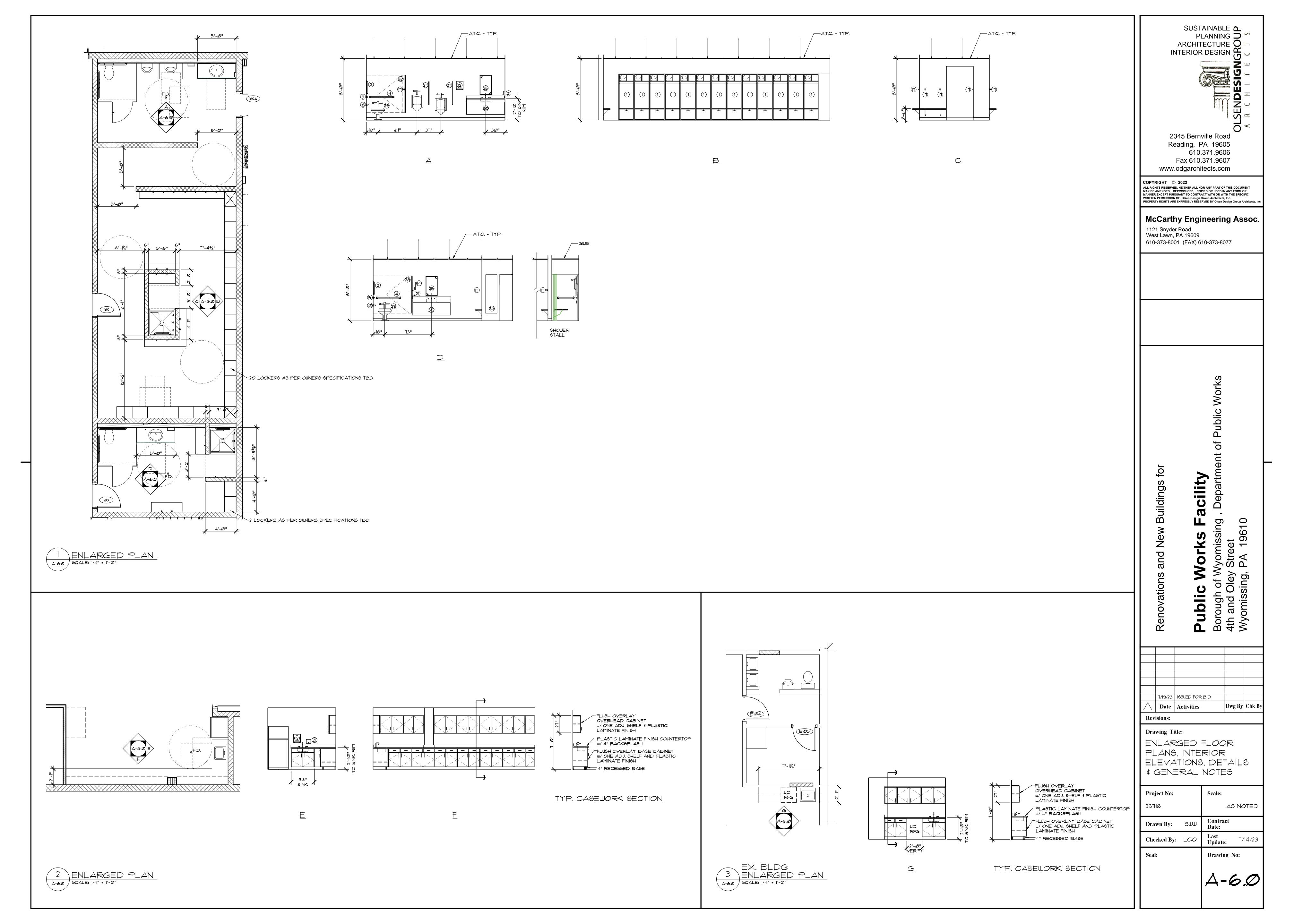


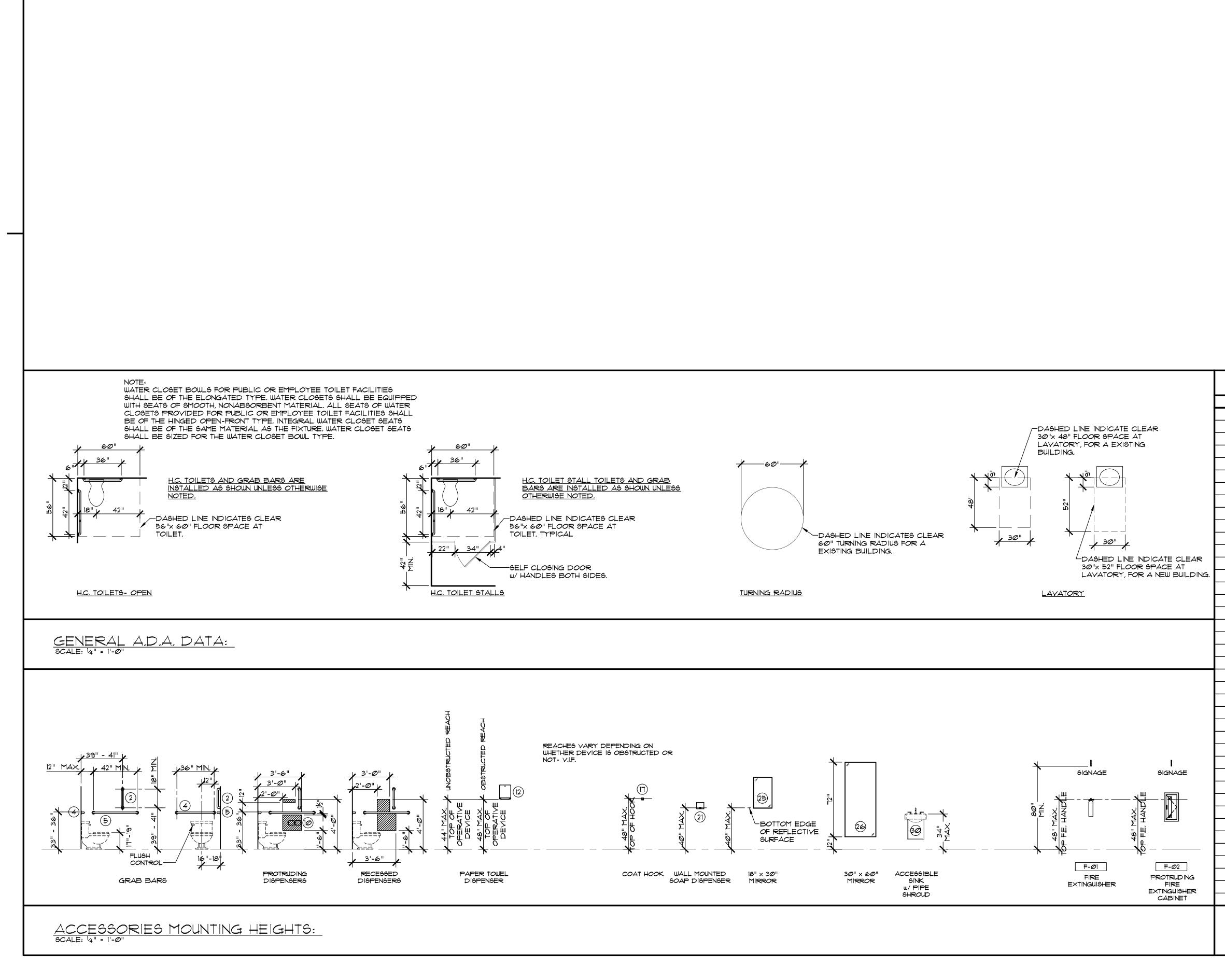
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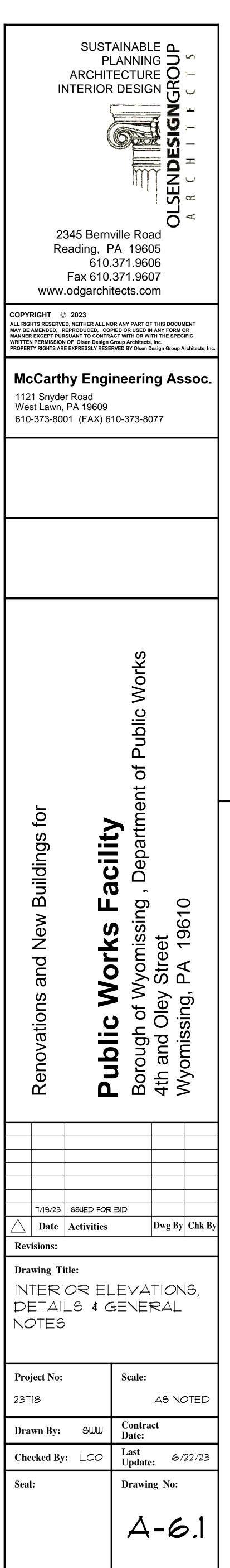


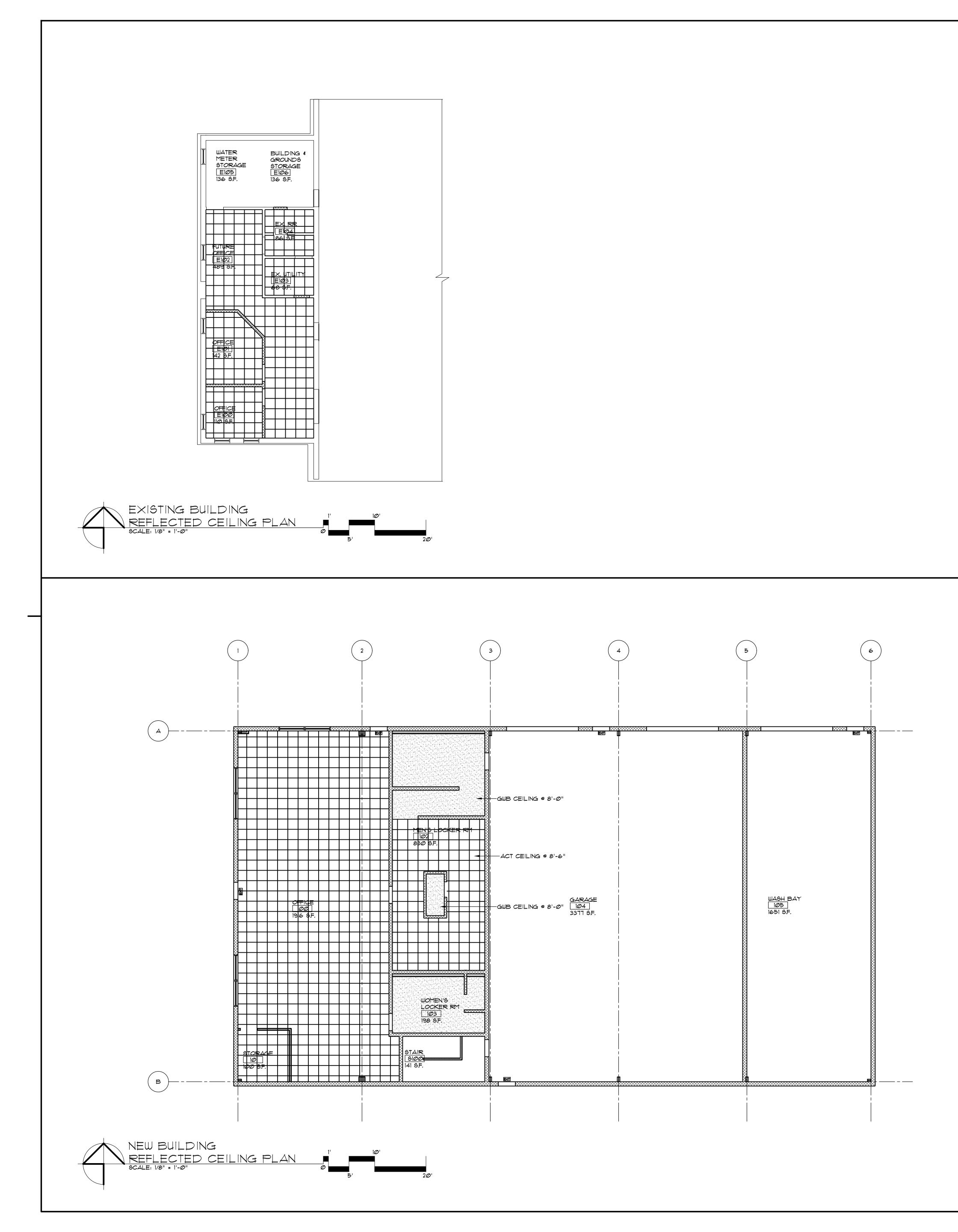


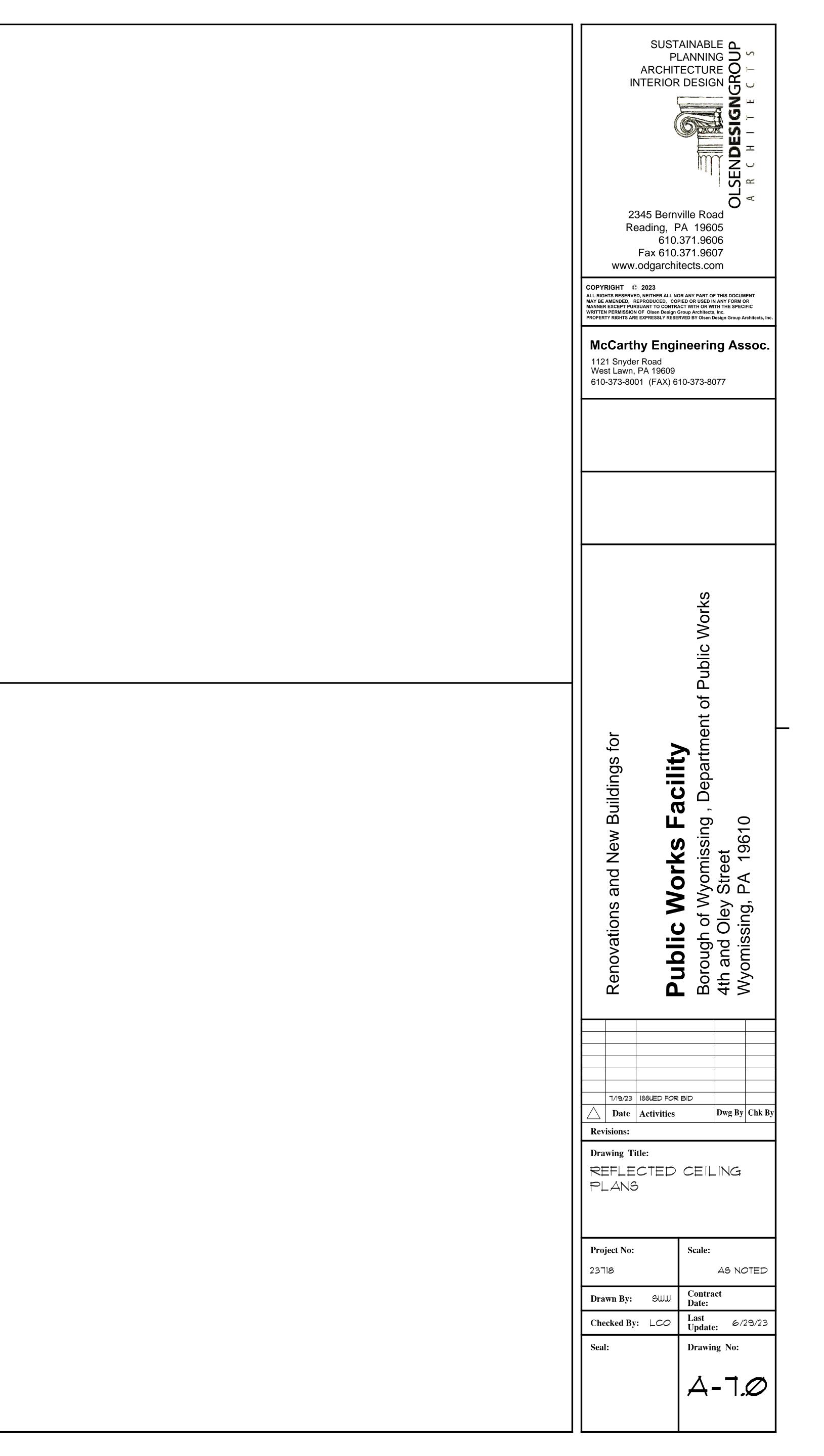


SYM.	DESCRIPTION	MANUFACTURER'S NO.	REMARKS
1	LOCKERS	PER OWNERS SPECS	
2	1^{1}_{2} " O.D. × 18" LONG GRAB BAR	B-6806.99×18	- VERTICALLY MOUNTED, SATIN FINISH
3	1^{1}_{2} " O.D. × 24" LONG GRAB BAR	B-6806.99×24	- SATIN FINISH
4	1^{1}_{2} " O.D. × 36" LONG GRAB BAR	B-6806.99x36	- SATIN FINISH
5	1^{1}_{2} " O.D. × 42" LONG GRAB BAR	B-6806.99×42	- SATIN FINISH
10	TOILET PAPER HOLDER	B-265	- SATIN FINISH
12	PAPER TOWEL DISPENSER	B-262	- SATIN FINISH
17	ROBE HOOK	B-211	- SATIN FINISH
18	CURTAIN	2Ø4-2	
19		B-207x36	- SATIN FINISH
2Ø		204-1	
21	SOAP DIGPENSER	B-2112	- SATIN FINISH
25	18" x 30" MIRROR w/ FRAME	B-165-1830	- SATIN FINISH
25	24" × 72" MIRROR W/ FRAME	B-165-2472	- SATIN FINISH
21	URINAL SCREEN	BOBRICK (SCRC) SIERRA SERIES 1090	
28	TOILET STALL PARTITION	BOBRICK (SCRC) SIERRA SERIES 1090	
3Ø	PIPE SHROUD - CASEWORK		- MATCH MILLWORK MATERIAL
31	ADA SHOWER SEAT	B-5181	- REVERSIBLE FOLDING SEAT
34	WASH FOUNTAIN	BRADLEY #393-531	- POLISHED, SEMICIRCULAR
35	ADA SHOWER CONTROLS		
	NOTES:		
		ARE "BOBRICK" WASHROOM ACCESSORIE	
		FOR AN EQUAL PRODUCT, IF APPROVED	

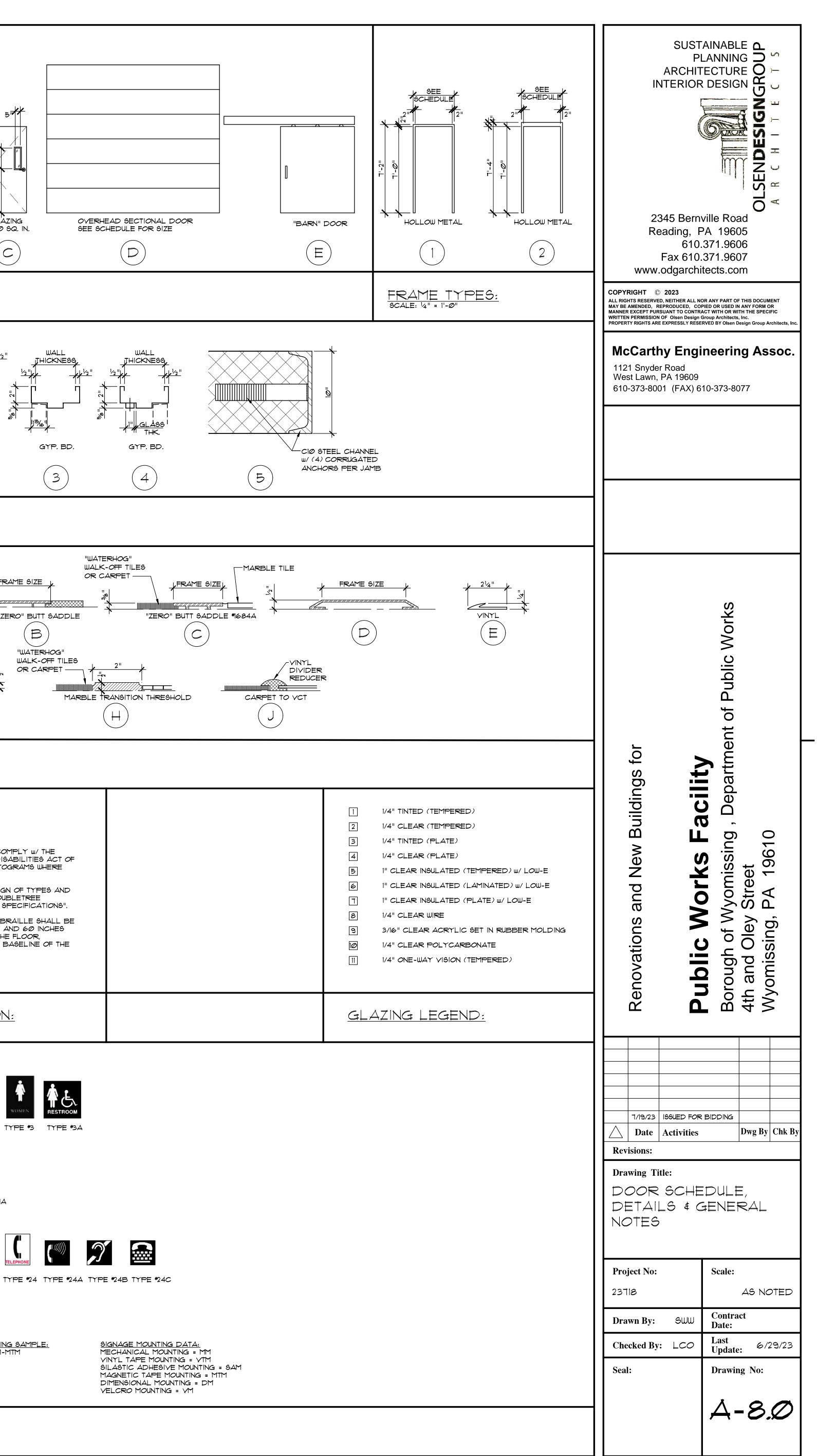
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	WIDTH	HGHT	LEAF QTY.			TYPE		GLAZ	LOUVE	RLABEL	HD SET	FINISH		e Mat'l		JAMB	SILL	LABEL			5"
E100 E101 E103	3'-Ø" 3'-Ø" 3'-Ø"	ר'ד" ד'- <i>ס</i> " ד'- <i>ס</i> "	1	NA NA NA	1 ³ /4" 1 ³ /4" 1 ³ /4"	B B A		2 2			4 4 3	STAIN STAIN STAIN		HM HM HM	3 3 3	3 3 3			PAINT PAINT PAINT		
E1Ø4	3'-Ø"	ש-יד ש-יד"	1	NA	1 3/4"	А А					3	STAIN	1		3	3			PAINT		
																					$\begin{array}{c c} & & & \\ & & & & \\ & & & & \\ & & & &$
																					FLUSH FLUSH GLAZING GLAZIN GB2 SQ. IN. 100 SQ
DOC		5C+	EDU		-NEL	JB		NG													
NUMBER		1		1	1		2	1	1		1					FRAME	1	1		REMARKS	DOOR TYPES: SCALE: 1/4" = 1'-0"
	WIDTH	HGHT	LEAF QTY.	ACTIVE LEAF	THICK	TYPE	MAT'L	GLAZ	LOUVE	RLABEL	HD SET	FINISH		e Mat'l		JAMB	SILL	LABEL			- SEE
100 100A 101	3'-Ø" 3'-Ø" 3'-Ø"	ש'-ש" ד'-ש" ד'-ש"	1	NA NA NA	1 ³ /4" 1 ³ /4" 1 ³ /4"	B B A	HM HM WD	2 2 			1	PAINT PAINT PAINT	2		2 2 3	1	<u>А</u> 		PAINT PAINT PAINT		$- \qquad \qquad$
102 102A	3'-Ø" 3'-Ø"	די-שי די-שי ד'-שי	1	NA NA	1 ³ ⁄ ₄ "	А А					5		2	HM HM	2 2 2	1				 	
103 104 104A	3'-Ø" 3'-Ø" 14'-Ø"	ש'-ש" ד'-ש" ד'-ש"	1	NA NA	1 ³ ⁄4" 1 ³ ⁄4"	A B		2			5	PAINT PAINT	2		2 2 5	1			PAINT PAINT		
104A 104B	14 -Ø" 14'-Ø" 3'-Ø"	יש-יד ד'-Ø" ד'-Ø"	1	NA NA NA	1" 1" 1 ³ ⁄4"	D D B	Si Si HM	2			*	* * PAINT		STL STL HM	5 5 2	5 5 1	 A		PAINT PAINT PAINT	* SEE GEN. NOTE 2 * SEE GEN. NOTE 2	- 11 - MASONRY MASONRY
105 1054	3'-Ø" 14'-Ø"	ד'-Ø" ד'-Ø"	1	NA NA	1 ³ ⁄4" 1"	BD	HM Si	2			1 *	PAINT		HM STL	2	1 5	Д 		PAINT PAINT	* SEE GEN. NOTE 2	
200 S100 S200	5'-Ø" 3'-Ø" 3'-Ø"	יד-@" ש-יד" ש-יד"	1 1	NA * NA NA	NA * 1 ³ ⁄4" 1 ³ ⁄4"	E B B	HM HM HM	 2 2	 	 1 HR 1 HR	* 	PAINT PAINT PAINT	2	* HM HM						* SEE GEN. NOTE 3 FIRE RATED HARDWARE FIRE RATED HARDWARE	HOLLOW METAL
					1	I		1	1		1			-1		1	1	1			- JAMB TYPES: Scale: NONE
		RDWA	RE SC	HEDUL	<u>=</u> :																FRAME SIZE FRAME SIZE PANIC THRESHOLD ZERC A TRANSITION THRESHOLD
(1 <u>1</u> 人口	A <u>re set #1</u> Pair S.S./B. To closer	- SURFACE	MTD.				(3) FF	AIR S.S./B. Rame sile	NCERS					<u>HA</u> f		<u>et #13</u> 9.9./B.B. H CL <i>O</i> SER -		MTD.			(G)
	AME SILENCI RESHOLD ATHERSTRIP ECTRIC STRI	PING SET Ke					(1) LE	ALL BUMP VER STYL DA SIGNAG	E HANDLI	ES w/ ST <i>OF</i> PL <i>A</i> N	RAGE ROO	OM LOCKS	ΈT		(3) FRAM (1) THRES (1) WEATH	E SILENCE	RS ING SET				SILL TYPES: Scale: None
	RD READER NIC EXIT DE VER STYLE I ADA SIGNAG	VICE - RIM ⊣ANDLES w	/ ENTRY LOC	CKSET				<u>E SET #8</u> AIR							ADA S	IGNAGE -	SEE Plan	۷			
$(1\frac{1}{2})$	<u>Are set #2</u> Pair s.s./b.						(3) FF (2) LE	RAME SILE	NCERS .E HANDL	ES w/ PAS	SAGE LA	TCHSET									
LE	AME SILENCI Ver Style : Ada signag		ROOM LOCKE _AN	3et			HARDWAR		B. HINGES	w/ NON-R	EMOVEAE	BLE PING		버스테	RDWARE S	<u>=† #15</u>					ALL SIGNAGE TO COMF AMERICANS WITH DISAE
$(1\frac{1}{2})$	<u>ARE SET #3</u> PAIR S.S./B. TO CLO S ER		MTC				(1) AU (3) FF (1) HII	ITO CLOSE RAME SILE NGE BUMP ECTRIC S	R - SURF NCERS ER						(1) AUTO	9.9./B.B. H CL <i>O</i> SER - E SILENCE	SURFACE	MTD.			2" REQUIRED. FOR SIGNAGE DESIGN OF SIZES SEE THE "DOUBL
FR WA LE	AME SILENCI LL BUMPER VER STYLE :	ERS BTOREROO	M LOCKSET				(1) CA (2) LE	ARD READ	ÈR Le handl	ES w/ SEC PL <i>A</i> N	uity loci	KSET			(1) PANIC (1) LEVER	EXIT DEV STYLE H, IGNAGE -	1CE - RIM ANDLES u	1/ PASSAC	GE LOCKS	ET	MOUNTING HEIGHT: BRA
	ADA SIGNAG A <u>re set *4</u>						HARDWAR	<u>e set #10</u> AIR S.S./B.:	B. HINGES					HA		5.5./B.B. H					MAXIMUM ABOVE THE F MEASURED TO THE BAS BRAILLE CELL.
FŘ WA	PAIR 6.6./B. Ame silenci Ll bumper Ver style (ERS	KSET				(1) AU (3) FR (1) WA	ITO CLOSE RAME SILE ALL BUMPE	R - SURF NCERS R (NO FC			CKSET			(3) FRAM (1) THRES (1) WEATH	ERSTRIPP	RS ING SET				
	ADA SIGNAG Are set #5	e - see pl	_AN				ad <u>Hardwar</u>	A SIGNAG <u>E SET #11</u>	e - see f	PLAN					(1) LEVER Ada s	EXIT DEV STYLE H, IGNAGE -	ANDLES u	1/ PASSAC	GE LATCH	6ET	typical all doors SIGNAGE / LOCATION:
PU	3H / PULL B TO CLOSER ADA SIGNAG	- SURFACE					(3) F ₹ (1) ₩4	AIR S.S./B. RAME SILE ALL BUMPE	NCERS IR			~=+			(2) BALL	S.S./B.B. H CATCHES	(TOP JAN				SCALE: ¹ / ₄ " = 1'-Ø"
HARDW	ARE SET *6						ad Hardwar) A SIGNAG <u>E SET #12</u>		ES w/ OFFI PLAN		SEI				R STYLE H IGNAGE -			FUNCTION	ι Ι	
(1) (3) (1)	PAIR S.S./B. Auto close Frame sile Panic exit	ER - SURFA INCERS DEVICE - F	RIM TYPE				(1) AU	AIR S.S./B. ITO CLOSE	R - SURF												
	LEVER STYL Ada signac			≆E LATCHSET			(1) WA (1) PA (1) LE	NIC EXIT	R OR HIN Device - E handli	IGE BUMPE RIM TYPE ES w/ PASS		CKSET									TYPE #1 TYPE #14 TYPE #2 TYPE #24 TYPE
)A SIGNAG	E - SEE F	PLAN											STAIRS
	ERAL	NOTE	<u>5:</u>																		TYPE #10 TYPE #10A TYPE #11 TYPE #11A
	(5) 20'-0" INSULATED (2) 18'-0"U INSULATED (1) 16'-0"W	RTICAL LIF W × 16'-0"H > HEAVY-D > K 16'-0"HT > HEAVY-D > HEAVY-D	T SECTIONAL IT. "OVERHEA UTY, STEEL-f . "OVERHEAI UTY, STEEL-f UTY, STEEL-f	_ DOOR SPEC AD DOOR", TH POLYURETHA D DOOR", TH POLYURETHA D DOOR", THE POLYURETHA	HERMACOR INE PANEL ERMACORE INE PANEL ERMACORE	RE SECTION CONSTRU E SECTION CONSTRU E SECTION	JCTION NAL STEEL JCTION. NAL STEEL	_ DOOR #5	େମ,		FROM	MEZZANIN	E OUT INT	O GARAGI		_ HARDWA	RE AND 1			' HIGH OPENING .L BE REQUIRED.	Image: Sector of the sector
	- PANEL - EXTER - EXTER - DOOR - FINISH - MOUNT - OPER - STAND - HIGH-U - WEATH - GUIDES	THICKNESS IOR SURFA IOR STEEL: INSULATION COLOR: WH ING: FACE- ATION: ELEC ARD SPRIN ISEAGE PA ERSEAL: A 3: HEAVY-	6: IB" CE: RIBBED : .Ø15" GALV. N: POLYURE HITE OF-WALL CTRIC & HP, 2 GS: 10,000 CKAGE IR INFILTRAT DUTY STEEL	: THANE, R-14.8 208V, 3 PHAS CYCLE ION PACKAG . VERTICAL/C	3E € @ 15 MP+		FM/FT2														SIGRAGE SIGRAGE TYPE #30 TYPE #31 <u>NUMBERING :</u> TYPE #31-MT
	- THERM - WARRA	AL BREAK ANTY: 10 YE			ON, 1 YEA R	R LIMITED	ON DOOF	R \$ 20 YE	4R												TYPICAL ALL DOORS <u>SIGNAGE:</u> scale: none



	PARTITION	+ *	YPES			LEGEND: INDICATES PARTITI SOUND BATTS EXISTING PARTITION ANY DAMAGED AR FOR NEW WALL FINIT
10.	DESCRIPTION	RATING	REMARKS	NO.	DESCRIPTION	
\sim	6" C.M.U. W/ JOINT REINFORCEMENT EVERY OTHER COURSE			< <u>2</u> >		10" C.M.U. w/ JOINT REINFORCEMENT EVERY OTHER COURSE
6	SOUND BATTS 6" METAL STUDS 18 GA. I.S. @ 16" O.C. 5%" G.W.B 1 LAYER, TAPED, SANDED & FINISHED		SOUND BATTS FILL STUD CAVITY		47/81	
	ROOM FINISH SCH		ULE -EX	IST	ING BL	ILDING

NUMBER	ROOM NAME		WA!	LLS		BASE	FLOOR	CEI
	ROUTINAME	NORTH	SOUTH	EAST	WEST		FLOOR	MATERIA
E100	OFFICE	6	۲ I	6	T	11	25	31
EIØI	OFFICE	6	Γ	6	T	11	25	31
E1Ø2	FUTURE OFFICE	Т	6	Γ	T	11	25	31
E1Ø3	EX. UTILITY	T T	Γ	Γ	T	11	25	31
E1Ø4	EX. RR	T T	Γ	Γ	T	11	25	31
EIØ5	WATER METER STORAGE	T	T T	F T	T	11	25	33
E106	BUILDING & GROUNDS STORAGE	T	T T	T T	T	11	25	33

ROOM FINISH SCHEDULE -NEW BUILDING

			WAI	_LS		D ACE		CEI
NUMBER	ROOM NAME	NORTH	SOUTH	EAST	WEST	BASE	FLOOR	MATERIAL
100	OFFICE	6	6	6	6	11	25	31
1Ø1	STORAGE	2	6	6	2	11	25	31
1Ø2	MEN'S LOCKER RM	3/6	6	6	6	11	25	31/35*
1Ø3	WOMEN'S LOCKER RM	6	6	6	6	11	25	31/35*
1Ø4	GARAGE	6	6	6	6		25	33
1Ø5	WASH BAY	6	6	6	6		25	33
200	MEZZANINE	2	6	6	2		25	33
51ØØ	STAIR	6	6	6	6	11	25/29	
5200	STAIR	6	6	6	6	11	25/29	

3. NO METAL STUD FRAMING SHALL BE EXPOSED IN ANY FINISHED SPACES. ON TO REMAIN, PATCH & REPAIR SINKS, MATCH EXISTING SURROUNDING PARTITION CONSTRUCTION -REAS - SEE ROOM FINISH SCHEDULE SEE ROOM FINISH SCHEDULE FOR NEW WALL FINISHES. ISHES, 4. UNLESS OTHERWISE SHOWN, ALL HOLLOW METAL FRAMES SHALL BE LOCATED 3" FROM INSIDE CORNER TO ALLOW FOR PROPER G.W.B. FINISHING. DESCRIPTION RATING DESCRIPTION RATING REMARKS NO. REMARKS NO 10" SPLIT- FACE C.M.U. 1-HOUR W/ JOINT REINFORCEMENT —1Ø" \$ EVERY OTHER COURSE -8-77 -R-19 BATT INSUL -6" METAL STUDS -6" 18 G/ 18 GA. I.S. @ 16" O.C. -R-19 -6 MIL VAPOR BARRIER ——6 M ---%" G.W.B. - 1 LAYER, TAPED, SANDED & FINISHED 5/ 0 -45⁄8" -5%" TΔF -SOUND BATTS -SOUN 3% METAL STUDS 18 GA. I.S. @ 16" O.C. 18 G/ -%" G.W.B. - 1 LAYER -5⁄4" (SOUND BATTS FILL STUD CAVITY SOUND BATTS FILL STUD CAVITY EACH SIDE, TAPED, EACH SANDED & FINISHED ≰ FINIS 41/4" WALL MATERIAL LEGEND: EILING 1. FIXED GLAZING AREA REMARKS 2. PAINT ON GYPSUM BOARD HEIGHT 3. EPOXY PAINT ON GYPSUM BOARD 8'-6" | 110 S.F. 4. BRICK 8'-6" 142 S.F. 5. CERAMIC TILE 8'-6" 489 S.F. 6. PAINT ON CMU 8'-6" | 68 S.F. 7. PAINT EXISTING FINISH 8'-Ø" | 86 S.F. 136 S.F. - -9. FINISH NOT IN CONTRACT 136 S.F. - -BASE MATERIAL LEGEND: 11. 4" VINYL BASE 12. 6" WOOD BASE - BEADED STYLE W/SHOE - PAINT 13. 4 $\frac{1}{4}$ " CERAMIC BASE - (1"x1" SQUARE TOP) 14. 4 $\frac{1}{4}$ " CERAMIC BASE - (4 $\frac{1}{4}$ "x 4 $\frac{1}{4}$ " SEMI-GLOSS) 15. 6" CERAMIC BASE 16. RESIN BASE ILING REMARKS AREA HEIGHT 19. FINISH NOT IN CONTRACT 8'-6" 1916 S.F. 8'-6" 100 S.F. *-SEE A-7.0 FOR CEILING FINISH FLOOR MATERIAL LEGEND: 8'-6" 83Ø S.F LOCATIONS *-SEE A-7.0 FOR CEILING FINISH 198 S.F. 21. FLOOR TILE - TYPE "A" 8'-6" LOCATIONS 22. FLOOR TILE - TYPE "B" 3377 S.F. --23. CARPET 1651 S.F. - -24. VCT 2487 S.F. - -25. SEALED CONCRETE SEE STAIR NOTE BELOW 141 S.F. - -26. VINTL PLANK 141 S.F. SEE STAIR NOTE BELOW - -27. 28. 29. VINYL TREADS <u>STAIR TOWER NOTE:</u> ALL STAIR FRAMING (IC: METAL LANDINGS, CHANNEL STRINGERS, STEPS AND RAILINGS) TO BE PAINTED ON ALL VISIBLE SURFACES CEILING MATERIAL LEGEND: 31. ACOUSTICAL LAY-IN CEILING "A" (ARMSTRONG 2x4 CIRRUS, SECOND LOOK 11 - 513) 32. ACOUSTICAL LAY-IN CEILING "B" (ARMSTRONG 2x4 FINE FISSURED - 1728) 33. EXPOSED DECK AND STRUCTURE - PAINT 34. PAINTED FIRE RESISTIVE GYPSUM BOARD 35. PAINTED WATER RESISTANT GYPSUM BOARD 36. PAINTED GYPSUM BOARD 37. 38 39. FINISH NOT IN CONTRACT GENERAL NOTES 1. ALL SURFACES RECEIVING PAINT TO BE PROPERLY PREPARED AND READY TO RECEIVE PAINTS IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, WALLS TO BE SPACKLED (MIN. THREE COATS), SANDED AND PRIMED. ALL SURFACES SHALL BE CLEAN, FREE OF DUST, GREASE, OILS OR ANY FOREIGN SUBSTANCE THAT WILL INTERFERE WITH PAINTS. HOLES, CRACKS, AND OTHER IMPERFECTIONS SHALL BE SUITABLY PATCHED AND FILLED WITH A COMPOUND RECOMMENDED BY THE MANUFACTURER OF THE PAINT AND THE PRIMER, SURFACES SHALL BE BROUGHT TO TRUE, EVEN SURFACES, PRIOR TO PAINTING. ADEQUATE NUMBER OF PRIMER AND FINISH COATS TO BE APPLIED FOR COMPLETE COVERAGE (SEE PAINT SCHEDULE). NUMBER OF COATINGS ARE IN ADDITION TO ANY SHOP COATINGS THAT MAY HAVE ALREADY BEEN APPLIED. 4 5. GENERAL CONTRACTOR TO SUBMIT COLOR CHARTS TO THE ARCHITECT FOR REVIEW AND SELECTION OF COLORS. 6. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PAINTING THE FOLLOWING ITEMS: - ALL INTERIOR AND EXTERIOR HANDRAILS AND GUARDRAILS - ALL EXPOSED STRUCTURAL STEEL - ALL EXPOSED STEEL FRAMES - ALL HOLLOW METAL FRAMES AND DOORS - ALL HOLLOW METAL FRAMES AND WOOD DOORS 1. APPLY PAINT IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS. USE APPLICATIONS AND TECHNIQUES BEST SUITED FOR THE TYPE OF MATERIAL BEING APPLIED. APPLY EACH MATERIAL AT NOT LESS THAN THE MANUFACTURER'S RECOMMENDED SPREADING RATE. MATCH APPROVED SAMPLES FOR COLOR TEXTURE, AND COVERAGE. 8. REMOVE ALL HARDWARE, HARDWARE ACCESSORIES, MACHINED SURFACES, PLATES, LIGHTING FIXTURES, AND SIMILAR ITEMS IN PLACE AND NOT TO BE FINISHED OR PAINTED OR PROVIDE SURFACE-APPLIED PROTECTION PRIOR TO SURFACE PREPARATION AND PAINTING OPERATIONS. 9. THE G.C. SHALL BE RESPONSIBLE FOR PROVIDING A CLEAN AND CLEARED FLOOR, FREE OF HOLES OR DEPRESSIONS AND ACCEPTABLE FOR INSTALLATION OF ALL FLOOR COVERING AND UNDERLAYMENTS. ANY DISCREPANCIES SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT. 10. INSTALLER SHALL BE RESPONSIBLE FOR QUANTITY TAKE-OFF, SUPPLYING, RECEIVING, WAREHOUSING, AND FLOOR COVERINGS AND UNDERLAYMENTS PRIOR TO FABRICATION AND/OR INSTALLATION. ANY MANUFACTURING DEFECT SHALL BE REPORTED TO ARCHITECT. REMOVE COLOR PLATES, SURFACE MOUNTED FIXTURES, ETC. WHERE WALL COVERING IS TO BE APPLIED. FOLLOWING COMPLETION OF WALL COVERING EACH SPACE OR AREA, REINSTALL THE REMOVED ITEMS BY WORKMEN SKILLED IN THE TRADES INVOLVED. 12. REMOVE COLOR PLATES, SURFACE MOUNTED FIXTURES, ETC. WHERE WALL COVERING IS TO BE APPLIED. FOLLOWING COMPLETION OF WALL COVERING EACH SPACE OR AREA, REINSTALL THE REMOVED ITEMS BY WORKMEN SKILLED IN THE TRADES INVOLVED. 13. CONTRACTOR WILL BE RESPONSIBLE FOR SUPPLYING ARCHITECT WITH SAMPLE OF ALL FINISHES TO BE SUPPLIED & INSTALLED BY CONTRACTOR. INFORMATION WILL INCLUDE ALL PAINTS, WOOD FINISH SAMPLE, FLOOR MATERIALS, METAL, ETC., ARCHITECT / OWNER WILL HAVE RIGHT OF REFUSAL OF WORK IF THE PRODUCT INSTALLED HAS NOT BEEN PREVIOUSLY APPROVED. 14. ALL GYPSUM BOARD MATERIALS SHALL BE TERMINATED AT UNDERSIDE OF FLOOR OR ROOF DECK UNLESS OTHERWISE NOTED.

GENERAL NOTES:

1. FOR PARTITION / WALL FINISHES ... SEE "ROOM FINISH SCHEDULE".

SUBSTRATE SHALL BE $\frac{5}{2}$ " TILE BACKER BOARD.

- 2. WHERE TILE IS BEING USED AS THE FINISHED SURFACE MATERIAL, THE
- 5. SMOKE PARTITIONS SHALL BE CONTINUOUS PER I.B.C. 2015, SECTION 710 AND SHALL BE SEALED TO RESIST THE PASSAGE OF SMOKE. UTILIZE 3M FD 150 SEALANT OR EQUAL.

6. PROVIDE AND INSTALL M.R. GYPSUM BOARD WITHIN 36" OF ALL UTILITY

		RATING	REMARKS	NO	DESCRIPTION RATING REMARKS
TAL SIDING TEEL GRIT INSULATION ETAL STUDS A. I.S. @ 16" O.C BATT INSUL - VAPOR BAR WB 1 LAYER ETAL STUDS A. I.S. @ 16" O.C WB 1 LAYER H SIDE, TAPED SHED	RIER R, FINIGHED		SOUND E FILL STUI CAVITY		8" C.M.U. w/ JOINT REINFORCEMENT EVERY OTHER COURSE 1-HOUR
		° Å	i n t		SCHEDULE
	1		RIAL	COAT	S PAINT MATERIALS
		M BOARD		3	1 COAT OF LATEX PRIMER SEALER 2 COATS OF ACRYLIC LATEX GLOSS PAINT
の 山 い				3	1 COATS OF ALKYD PRIMER 2 COATS OF ALKYD ENAMEL GLOSS PAINT
	ſ			3	TOUCH-UP WITH ZINC CHROMATE PRIMER 2 COATS OF ALKYD ENAMEL GLOSS PAINT
SURT.	STEEL	- GALVAI	NIZED	3	1 COAT OF GALVANIZED PRIMER 2 COATS OF ALKYD ENAMEL GLOSS PAINT
		lum		3	1 COATS OF ALKYD ENAMEL GLOSS PAINT 2 COATS OF ALKYD ENAMEL GLOSS PAINT
	WOOD			3	1 COATS OF ALKYD PRIMER 2 COATS OF ALKYD PRIMER 2 COATS OF ALKYD ENAMEL SEMI-GLOSS PAINT
		RED MAS		3	1 COATS OF ALKTD ENAMEL SEMI-GLOSS PAINT 1 COAT OF LATEX PRIMER SEALER 2 COATS OF ACRYLIC LATEX SEMI-GLOSS PAINT
		T PLASTE	R ONRY UNITS	3	1 COATS OF ACRYLIC MASONRY PRIMER 2 COATS OF ELASTOMERIC PAINT
	WOOD	- PAINTEI	D	3	1 COAT OF ALKYD PRIMER SEALER 2 COATS OF LATEX SEMI-GLOSS PAINT
	STEEL	- UNPRIM	ED & EXPOSED	3	1 COAT OF ALKYD PRIMER 2 COATS OF ALKYD ENAMEL SEMI-GLOSS PAINT
	STEEL	- PRIMED	¢ EXPOSED	3	TOUCH-UP WITH ALKYD PRIMER 2 COATS OF ALKYD ENAMEL SEMI-GLOSS PAINT
	STEEL	- GALV. 4		3	1 COAT OF GALVANIZE PRIMER 2 COATS OF ALKYD ENAMEL SEMI-GLOSS PAINT
с Ш		IUM - MILI	- FINISH	3	1 COAT OF ETCHING PRIMER 2 COATS OF ALKYD ENAMEL GLOSS PAINT
U U ⊲		ETE MAS	ONRY UNITS	3	1 COAT OF ACRYLIC LATEX BLOCK FILLER 2 COATS OF ACRYLIC LATEX SEMI-GLOSS PAINT
I II	GYPSU PLASTI	M BOARD Er	4	3	1 COAT OF LATEX PRIMER SEALER 2 COATS OF ACRYLIC LATEX EGGSHELL OR SATIN PAINT
		TRIM		3	1 COAT OF LATEX PRIMER SEALER 2 COATS OF ACRYLIC LATEX SEMI-GLOSS PAINT
SURF,			0R6	2	2 COATS OF DUST SEALER
a) M	CONCE	ETE FLOC			
		RETE FLOO M BOARD ER CEILIN) ¢	3	1 COAT OF LATEX PRIMER SEALER 2 COATS OF ACRYLIC LATEX FLAT PAINT
		M BOARD) ¢ IG: JNDER	3	
	CONCE GYPSU PLAST WALL & VINYL WOOD	M BOARD ER CEILIN BURFACE I) & IG JNDER VERING TRIM -	3 1 3	2 COATS OF ACRYLIC LATEX FLAT PAINT
	CONCE GYPSU PLAST WALL & VINYL WOOD W/ TRA	M BOARD ER CEILIN BURFACE I WALL CO' DOORS &) ¢ IG JNDER VERING VERING TRIM - TRIM - T FINISH	1	2 COATS OF ACRYLIC LATEX FLAT PAINT 1 COAT OF ALKYD PRIMER SEALER 1 COAT OF STAIN & SEALER
	CONCE GYPSU PLAST WALL & VINYL WOOD W/TRA HOLLO	M BOARD ER CEILIN BURFACE I WALL CO' DOORS & NSPAREN W METAL	D & IG JNDER VERING VERING TRIM - T FINISH FRAMES	1 3	2 COATS OF ACRYLIC LATEX FLAT PAINT 1 COAT OF ALKYD PRIMER SEALER 1 COAT OF STAIN & SEALER 2 COATS OF SEALER 1 COAT OF LATEX PRIMER SEALER

15. WHERE REQUIRED, WOOD BASE INSTALLATION TO BE MITERED AT CORNERS AND STRAIGHT RUN JOINTS. ALL NAILS / SCREWS THOROUGHLY SAND EXPOSED SURFACES BETWEEN STAIN AND/OR PAINT APPLICATIONS.

