UPI NO.: 08-2B12.-001A-000000

BID SET SITE PLAN

FOR

TOWN HALL PLAZA

SITUATED ON THE SOUTHWEST CORNER OF

EAST BALTIMORE STREET & WASHINGTON STREET

BOROUGH OF GREENCASTLE

FRANKLIN COUNTY, PENNSYLVANIA

OWNER/DEVELOPER:
BOROUGH OF GREENCASTLE
60 NORTH WASHINGTON STREET
GREENCASTLE, PA 17225

ATTN: EMILEE LITTLE
EMAIL: ELITTLE@GREENCASTLEPA.GOV
PHONE: 717.597.7143 X 103

CIVIL ENGINEER / SURVEYOR:
FSA INC.
11142 WILLIAMSPORT PIKE
GREENCASTLE, PA 17225

PROJECT MANAGER: BRETT WHORLEY
EMAIL: BWHORLEY@FSA-INC.COM
PHONE: 717.597.1007

GENERAL NOTES:

1. Any damage to adjoining public roads, utilities, etc. during construction will be repaired in kind by the contractor.
2. No subsurface investigation has been performed by Frederick, Seibert and Associates, Inc. to determine ground water, rock, sinkholes or any other natural or man-made existing features.
3. FSA, Inc. assumes no liability for the location of any above ground and below ground utilities. Existing utilities are shown from the best available information. Contractor to field verify location and depth of all above and below ground utilities prior to construction.
4. The contractor shall locate existing utilities in advance of construction operations in the vicinity of proposed utilities.
5. The contractor shall take all necessary precautions to protect the existing utilities and to maintain uninterrupted service. Any damage incurred due to the contractor's operation shall be repaired immediately at the contractor's expense. Contractor to use caution in areas where low hanging wires exist.
6. All utilities shall be cleared by a minimum of 1'-0". All utility poles shall be cleared by a minimum of 2'-0" or tunneled if required.
7. The contractor shall be responsible for coordination of his construction with the construction of other contractors.
8. Benchmarks to be established by FSA prior to the start of construction.
9. The contractor shall notify the Architect/Engineer, before construction, of any conflicts between the plans and actual field conditions.
10. The contractor shall protect all utilities and culvert pipes during construction by insuring proper cover, increasing cover, or constructing roadway and parking through base course before loading site with heavy vehicles.
11. Job site safety is the sole responsibility of the contractor. The Contractor shall perform all excavation in accordance with O.S.H.A. Regulations for trench safety.
12. The contractor shall perform his own field inspection and surveys (if necessary) to determine the limit of earthwork needed to complete this project. Any earthwork quantities that may be shown hereon are preliminary estimates only, and are intended for Soil Erosion Control plan review, if required. There has been no correction made to the earthwork quantities shown hereon due to the compaction of fill.
13. The contractor shall be aware that in the event of discrepancy between scaled and figured dimensions shown on the plan, the figured dimensions shall govern.
14. Sediment erosion control measures shall be installed per sediment erosion control plans, details and specifications.
15. The entire area included within the proposed limits of cut and fill shall be stripped of all root material, trash and other organic and otherwise objectionable, non-complying and unsuitable soils and materials.
16. It shall be distinctly understood that failure to mention specifically any work which would naturally be required to complete the project shall not relieve the contractor of his responsibility to complete such work.

BOROUGH OF GREENCASTLE SUBDIVISION AND LAND DEVELOPMENT NOTES:

a. During construction a copy of the Borough Approved plans must be on site and available at all times.
b. Any damage to existing Borough of Greencastle roads shall be repaired by the developer to Borough of Greencastle's road construction specifications and to the satisfaction of Borough of Greencastle.
c. Roads shall be kept free of mud, dirt, stones, and debris for the duration of the project.
d. All road construction shall be in accordance with Borough of Greencastle's road construction standards in place at time of actual construction.
e. Construction on a property which is accessed by a public road shall have minimal impact on the road and neighborhood while construction is taking place.
f. No trees, shrubs, fences, buildings, or improvements are permitted within the line of sight.
g. No trees, shrubs, fences, buildings, or improvements are permitted within any right of ways or easements, existing or proposed, as shown on the plan.
h. Recreational objects shall not be located, either permanently or temporarily, within the road right-of-way.
i. The Contractor shall notify the following utilities or agencies at least five (5) days before starting work shown on these drawings (provide current name and phone numbers for each entity):

PA One Call System	(800) 242-1776
Borough of Greencastle	(717) 597-7143
Franklin County Soil Conservation District	(717) 264-5499
Columbia Gas of PA, Inc.	(717) 849-0147
First Energy Corp. - West Penn Power	(800) 686-0021
Comcast Cable Communications, Inc.	(717) 236-2239

GREENCASTLE AREA FRANKLIN COUNTY WATER AUTHORITY NOTES:

1. All water construction methods and materials shall conform to the rules, regulations, standards, policies, procedures and specifications of the Greencastle Area, Franklin County, Water Authority in effect during construction, and shall be subject to approval by the Authority's engineer or representative.
2. All water mains to be dedicated to Authority to be class 52 ductile iron pipe.
3. Water mains installed near or crossing cathodically-protected gas mains or other utilities shall be protected according to the Authority standards.
4. Provide a minimum of eighteen (18) inches vertical clearance between all sanitary or storm sewer and water main crossings. Provide a minimum horizontal clearance of ten (10) feet between sanitary sewer and water mains. Where the listed clearances are not practical or possible, concrete encasement shall be provided.
5. Provide typical cover of four (4) feet over water mains, as measured from the finished grade elevations to the top of the main. Except at air valve manholes where a minimum five (5) foot depth of cover from top of finished grade to top of main is required.
6. Greencastle Area Franklin County Water Authority supplies meters and meter pits for domestic size plastic pit setters and will approve field locations at the time of installation. Meter chambers required for fire service lines and large domestic lines involving precast concrete chambers will need to be supplied by the owner/developer.

ACT 287 LIST OF UTILITIES

THE CONTRACTOR SHALL COMPLY WITH THE PROVISIONS OF ACT 287 OF 1974 AS AMENDED BY ACT 187 OF 1996 FOR NOTIFICATION OF UTILITIES BEFORE EXCAVATION IN CONTRACT AREA THE UNDERGROUND UTILITIES LOCATION CALL NUMBER IS 1-800-242-1776.

LIST OF UTILITIES

WATER:
GREENCASTLE AREA FRANKLIN CO. WATER AUTHORITY
60 NORTH WASHINGTON ST.
GREENCASTLE, PA 17225
CONTACT: BOROUGH MANAGER
PHONE: 717.597.7143

SEWER:
BOROUGH OF GREENCASTLE
60 NORTH WASHINGTON ST.
GREENCASTLE, PA 17225
CONTACT: BOROUGH MANAGER
PHONE: 717.597.7143

GAS:
COLUMBIA GAS OF PA, INC.
1020 HARTLEY STREET
YORK, PA 17404
PHONE: 717.849.0147

CABLE:
COMCAST COMMUNICATIONS INC.
PHONE: 717.236.2239

TELEPHONE:
BRIGHTSPEED
1120 S. TYRON STREET, SUITE 700
CHARLOTTE, NC 28203
CONTACT: CASE WELLS
EMAIL: Casewells@brightspeed.com

ELECTRIC:
FIRST ENERGY CORP. - WEST PENN POWER
P.O. BOX 189
WAYNESBORO, PA 17268
CONTACT: WAYNESBORO SERVICE CENTER

CALL BEFORE YOU DIG!
PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 10 WORKING DAYS IN DESIGN STAGE - STOP CALL
PA 1 SYSTEM, INC. 1-800-242-1776
POCS SERIAL NUMBER
NO. 20242691115

811. Know what's below. Call before you dig.

BOROUGH OF GREENCASTLE ZONING DATA:	
REQUIREMENT § 205-8	
ZONING DISTRICT	COMMUNITY COMMERCIAL (CC)

LEGEND

EXISTING / PROPOSED

SUBJECT BOUNDARY
BUILDING SETBACK LINE
RIGHT OF WAY
EASEMENT LINE
ADJOINER BOUNDARY
FENCE
SOIL BOUNDARY
CENTERLINE
GUARD RAIL
EDGE OF CONCRETE
MAIL BOX
SIGN (ROAD)
SIGN (SITE)

TOPOGRAPHIC FEATURES
CONTOUR (INDEX)
CONTOUR (INTERMEDIATE)
SPOTS ELEVATION

VEGETATION AREAS
TREELINE
DECIDUOUS TREES — SEE LANDSCAPE SHEET FOR LEGEND
EVERGREEN TREES — SEE LANDSCAPE SHEET FOR LEGEND

SANITARY SEWER
GRAVITY LINE
FORCE MAIN LINE
MANHOLE
CLEANOUT
VALVE

WATER
COLD WATER LINE
HOT WATER LINE
MANHOLE
FIRE HYDRANT
VALVE
METER
WELL

STORM DRAINAGE
STORM SEWER LINE
ROOF DRAIN LINE
MANHOLE
INLETS
CLEANOUT

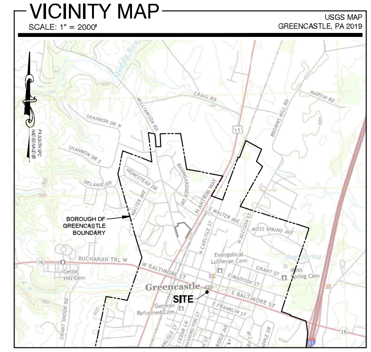
UTILITIES
GAS LINE
ELECTRICAL LINE
COMMUNICATION LINE
OVERHEAD LINES
MANHOLE
PEDS, BOX, & ETC
POLE
LIGHT POLE
GAS METER
GAS VALVE

LEGEND - ABBREVIATIONS

AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
ADS	ADVANCED DRAINAGE SYSTEM
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIAL
AWWA	AMERICAN WATER WORKS ASSOCIATION
BLDG	BUILDING
BOT	BOTTOM
CIP	CAST IRON PIPE
CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
CO	SANITARY SEWER CLEAN-OUT
COMM	COMMUNICATION
CONC	CONCRETE
DA	DRAINAGE AREA
DIA	DIAMETER
EGL	EXISTING GRADE LINE
EX	EXISTING
EIP	EXISTING IRON PIN
FFE	FINISH FLOOR ELEVATION
FH	FIRE HYDRANT
GV	GATE VALVE
HGL	HYDRAULIC GRADE LINE
HDPE	HIGH DENSITY POLYETHYLENE
INV	INVERT
LF	LINEAR FEET
MAX	MAXIMUM
MB	MAIL BOX
MIN	MINIMUM
MJ	MECHANICAL JOINT
NO	NUMBER
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OAE	OR APPROVED EQUAL
OC	ON CENTER
PC	POINT OF CURVE
PCC	POINT OF COMPOUND CURVE
PGL	PROPOSED GRADE LINE
PRC	POINT OF REVERSE CURVE
PT	POINT OF TANGENT
PVC	POINT OF VERTICAL CURVE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENT
ROW	RIGHT-OF-WAY
SAN	SANITARY
SCE	STABILIZED CONSTRUCTION ENTRANCE
SDR	STANDARD DIMENSION RATIO
SIP	SET IRON PIN
SD	STORM DRAINAGE
SDMH	STORM DRAIN MANHOLE
SF	SQUARE FEET
SS	SANITARY SEWER
SSMH	SANITARY SEWER MANHOLE
STA	STATION
STD	STANDARD
SY	SQUARE YARDS
TAN	TYPE AS NOTED
TEMP	TEMPORARY
TS	TOP OF STRUCTURE
TG	TOP OF GRATE
TR	TOP OF RIM
TYP	TYPICAL
U/P	UTILITY POLE
VIF	VERIFY IN FIELD
WL	WATERLINE
WM	WATER METER
WV	WATER VALVE

VICINITY MAP

SCALE: 1" = 2000'
USGS MAP
GREENCASTLE, PA 2019



SHEET INDEX

TYPE	NUMBER	TITLE
C-001	SHEET 01	COVER SHEET
C-101	SHEET 02	EXISTING CONDITIONS
C-102	SHEET 03	SITE PLAN
C-103	SHEET 04	GRADING & UTILITY PLAN
C-104	SHEET 05	E & S PLAN
C-501 & C-502	SHEET 06-07	CONSTRUCTION DETAILS & NOTES
L-101	SHEET 08	LANDSCAPE PLAN

PENNSYLVANIA REGISTERED LANDSCAPE ARCHITECT Brett Whorley 09/22/2026

Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional under the laws of the State of PENNSYLVANIA License # LA003257 Expiration Date 05-31-2027

FSA FREDERICK, SEIBERT & ASSOCIATES, INC. © 2026 fsa-inc.com
CIVIL ENGINEERS • SURVEYORS • LANDSCAPE ARCHITECTS • LAND PLANNERS
128 SOUTH POTOMAC STREET HAGERSTOWN, MD 21740 301.791.3650
20 WEST BALTIMORE STREET GREENCASTLE, PA 17225 717.597.1007
505 SOUTH HANOVER STREET CARLISLE, PA 17013 717.701.8111
15 EAST MAIN STREET NEW BLOOMFIELD, PA 17068 717.275.7531

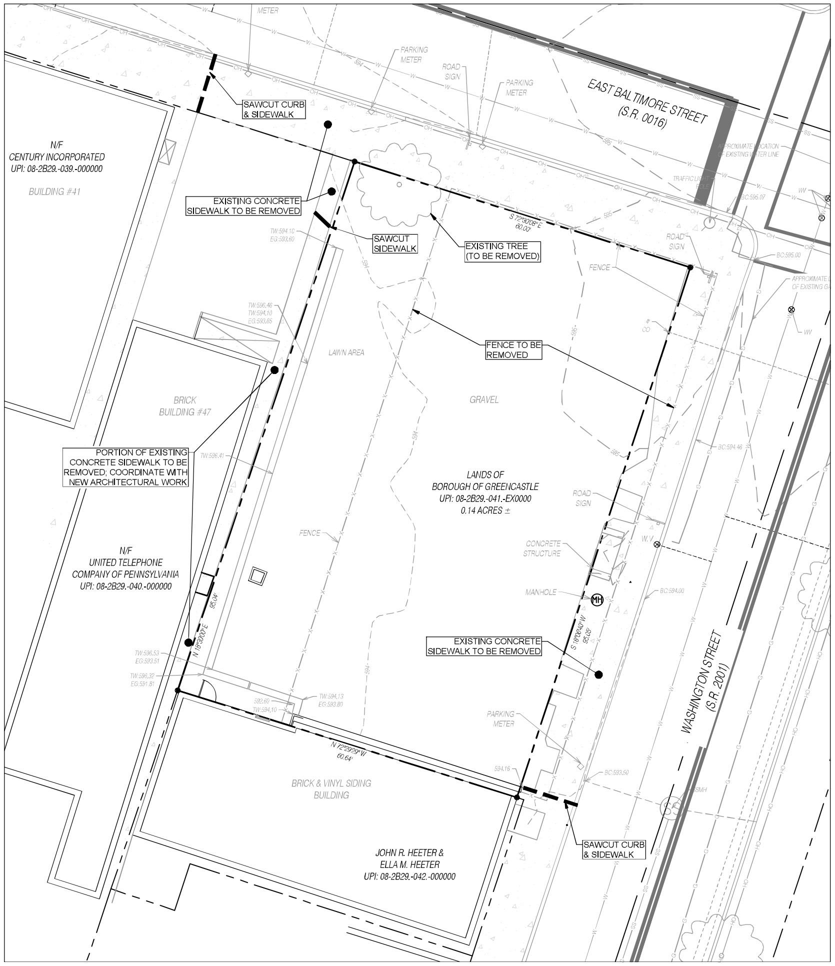
ARCHITECT: NOELKER AND HULL ASSOCIATES, INC. 30 WEST KING STREET CHAMBERSBURG, PA | 17201-1540 717.263.8464

STRUCTURAL ENGINEER: M&A Matonak & Associates STRUCTURAL ENGINEERS — MATONAK & ASSOCIATES 831-B SWEENEY DRIVE HAGERSTOWN, MD | 21740 301.790.0111

MARK:	DESCRIPTION:	DATE:
	Bid Set Revisions	9-21-26

TOWN HALL PLAZA
SITUATED ON THE SOUTHWEST CORNER OF EAST BALTIMORE STREET & WASHINGTON STREET
GREENCASTLE, PENNSYLVANIA
FRANKLIN COUNTY, PENNSYLVANIA
BOROUGH OF GREENCASTLE
60 N WASHINGTON ST., GREENCASTLE, PA 17225
717-597-7143

PROJECT NO. 2023-0312
DWN BY CAD | DATE 09-2026
PROJECT MANAGER: Brett Whorley
EMAIL: BWhorley@fsa-inc.com
PROPERTY INFORMATION UPI- 08-2B29.-041.-EX0000
SCALE AS SHOWN
SHEET TITLE COVER SHEET
C-001



NOTES:

1. REFER TO HOP PLANS FOR ADDITIONAL PENNDOT IMPROVEMENTS.
2. ALL ROAD SIGNS AND PARKING METERS WITHIN THE LIMIT OF DISTURBANCE TO BE REMOVED FOR CONCRETE SIDEWALK AND RESET AFTER CONSTRUCTION.

SCALE: 1" = 10'

10 0 10 20

PENNSYLVANIA REGISTERED LANDSCAPE ARCHITECT
Brett Whorley
LA003257
09/22/2026

Professional Certification:
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional under the laws of the State of PENNSYLVANIA. License #: LA003257
Expiration Date: 05-31-2027

FSA
FREDERICK, SEIBERT & ASSOCIATES, INC.
© 2026
CIVIL ENGINEERS • SURVEYORS • LANDSCAPE ARCHITECTS • LAND PLANNERS
fsa-inc.com
128 SOUTH POTOMAC STREET
HAGERSTOWN, MD 21740
301.791.3650
20 WEST BALTIMORE STREET
GREENCASTLE, PA 17225
717.597.1007
505 SOUTH HANOVER STREET
CARLISLE, PA 17013
717.701.8111
15 EAST MAIN STREET
NEW BLOOMFIELD, PA 17068
717.275.7531

ARCHITECT
NOELKER AND HULL ASSOCIATES, INC.
30 WEST KING STREET
CHAMBERSBURG, PA | 17201-1540
717.263.8464

STRUCTURAL ENGINEER
M&A
Matonak & Associates
STRUCTURAL ENGINEERS
MATONAK & ASSOCIATES
831-B SWEENEY DRIVE
HAGERSTOWN, MD | 21740
301.790.0111

MARK:	DESCRIPTION:	DATE:
	Bid Set Revisions	9-21-26

TOWN HALL PLAZA

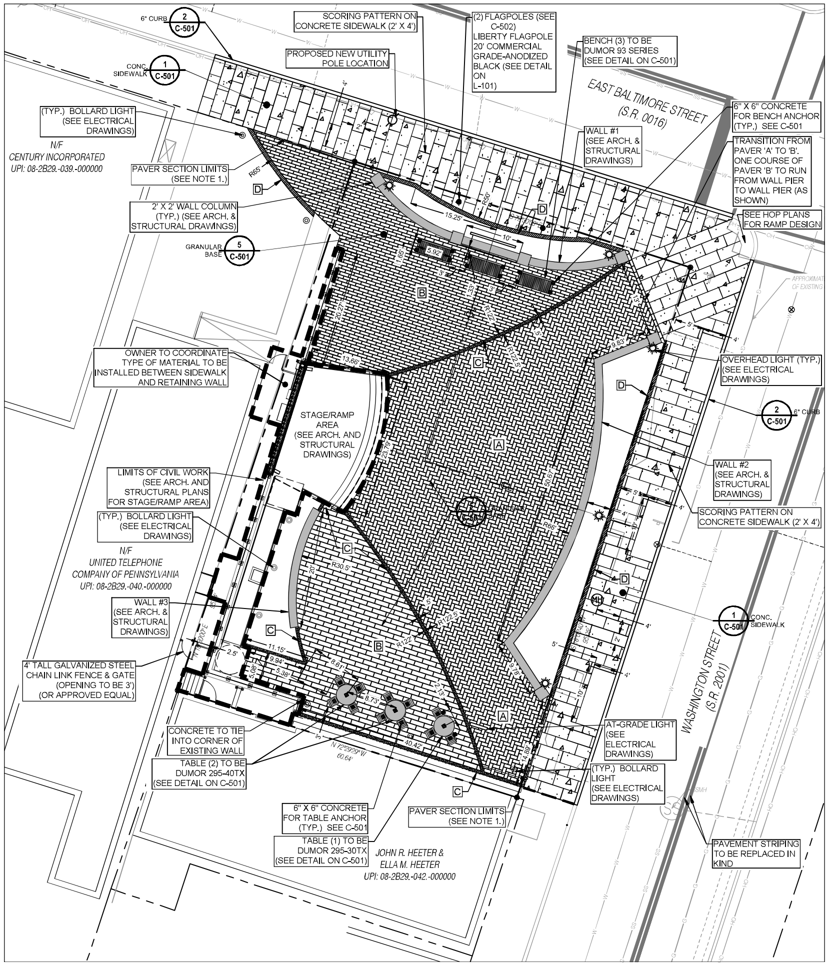
SITUATED ON THE SOUTHWEST CORNER OF
EAST BALTIMORE STREET & WASHINGTON STREET
GREENCASTLE, PENNSYLVANIA
FRANKLIN COUNTY, PENNSYLVANIA

BOROUGH OF GREENCASTLE
60 N WASHINGTON ST., GREENCASTLE, PA 17225
717-597-7143

PROJECT NO. 2023-0312
DWN BY CAD
DATE 09-2026
PROJECT MANAGER: Brett Whorley
EMAIL: BWhorley@fsa-inc.com
PROPERTY INFORMATION
UPI- 08-2B29.-041.-EX0000
SCALE 1" = 10'
SHEET TITLE

EXISTING CONDITIONS

C-101



SITE PLAN (BASE BID & ADD ALTERNATE)

BASE BID NOTES:
1. ALL PAVERS WITHIN THE PLAZA AREA, ON PRIVATE PROPERTY ARE TO USE SECTION 5/C-501.

ADD ALTERNATE BID NOTES:
1. ALL PAVERS WITHIN THIS PROJECT ARE TO USE SECTION 4/C-501)

LEGEND

HATCH	SYM.	DESCRIPTION
		WALL (SEE ARCH. & STRUCTURAL DRAWNGS)
	A	TECHO-BLOC PAVER-MISTA 65 MM, HD2 SLATE, CHAMPLAIN GREY
	B	TECHO-BLOC PAVER-BLUE 60 MM, HD2 SMOOTH, CHAMPLAIN GREY
	C	FLUSH CONCRETE CURB (3/C-501)
	D	TECHO-BLOC EDGING-PIETRA, SHALE GREY, SPLIT FACED & AGED
		CONCRETE SIDEWALK (1/C-501)

PAVER NOTES:
1. FIFTY (50) SQUARE FEET OF EACH PAVER AND 25 LINEAR FEET OF EDGING PAVER TO BE INCLUDED IN THE BID TO FURNISH THE BOROUGH AS REPLACEMENT STOCK.
2. ALL PAVERS FOR EACH TYPE SHALL COME FROM THE SAME PRODUCTION RUN/BATCH.
3. PAVER 'A' PATTERN TO BE LAID IN A PATTERN THAT ALIGNS PARALLEL AND PERPENDICULAR WITH THE REAR WALL OF THE STAGE.
4. PAVER 'B' PATTERN TO BE LAID WITH LONG EDGE OF PAVER RUNNING PARALLEL WITH BALTIMORE STREET.

SCALE: 1" = 10'
10 0 5 10 20

PENNSYLVANIA Brett Whorley REGISTERED LANDSCAPE ARCHITECT 09/22/2026

Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional under the laws of the State of PENNSYLVANIA License # LA003257 Expiration Date 05-31-2027

FSA
FREDERICK, SEIBERT & ASSOCIATES, INC. © 2026 fsa-inc.com
CIVIL ENGINEERS • SURVEYORS • LANDSCAPE ARCHITECTS • LAND PLANNERS
128 SOUTH POTOMAC STREET HAGERSTOWN, MD 21740 301.791.3650
20 WEST BALTIMORE STREET GREENCASTLE, PA 17225 717.597.1007
505 SOUTH HANOVER STREET CARLISLE, PA 17013 717.701.8111
15 EAST MAIN STREET NEW BLOOMFIELD, PA 17068 717.275.7531

ARCHITECT: NOELKER AND HULL ASSOCIATES, INC. 30 WEST KING STREET CHAMBERSBURG, PA | 17201-1540 717.263.8464

STRUCTURAL ENGINEER: M&A Matonak & Associates STRUCTURAL ENGINEERS MATONAK & ASSOCIATES 801-B SWEENEY DRIVE HAGERSTOWN, MD | 21740 301.790.0111

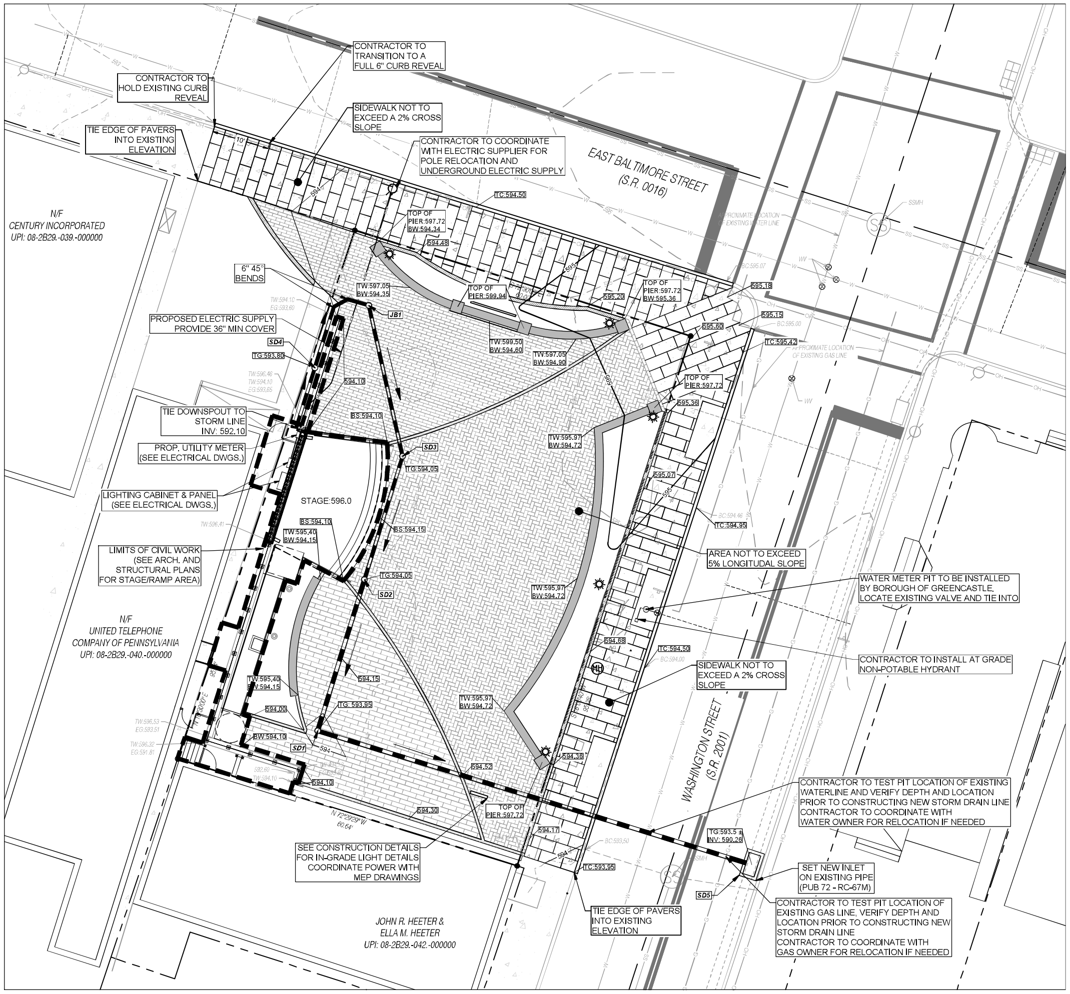
MARK:	DESCRIPTION:	DATE:
	Bid Set Revisions	9-21-26

TOWN HALL PLAZA

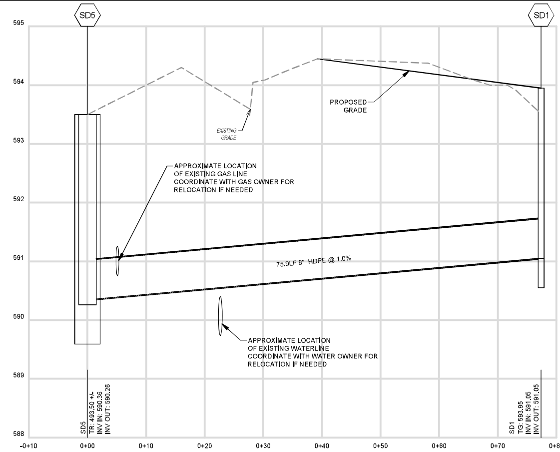
SITUATED ON THE SOUTHWEST CORNER OF EAST BALTIMORE STREET & WASHINGTON STREET
GREENCASTLE, PENNSYLVANIA
FRANKLIN COUNTY, PENNSYLVANIA
BOROUGH OF GREENCASTLE
60 N WASHINGTON ST., GREENCASTLE, PA 17225
717-597-7143

PROJECT NO. 2023-0312
DWN BY CAD | DATE 09-2026
PROJECT MANAGER: Brett Whorley
EMAIL: BWhorley@fsa-inc.com
PROPERTY INFORMATION UPI- 08-2B29.-041.-EX0000
SCALE 1" = 10'
SHEET TITLE SITE PLAN

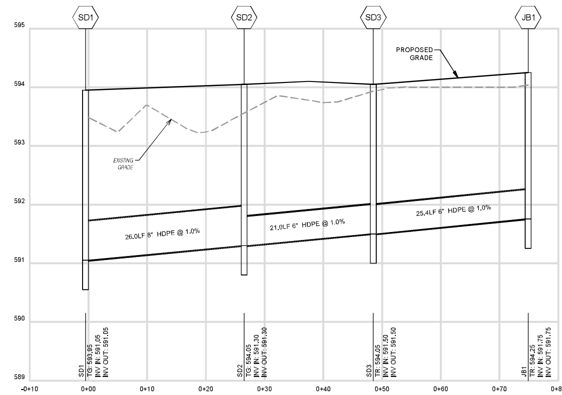
C-102



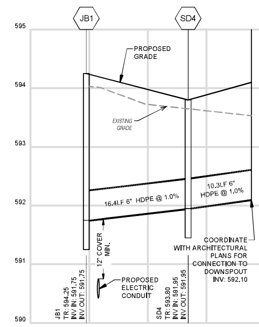
NOTE: TOP OF WALL ELEVATIONS ARE BOTTOM OF CAST STONE. REFER TO ARCHITECTURAL & STRUCTURAL DRAWINGS FOR WALL DETAILS.



STORM DRAIN PROFILE SD5 TO SD1
SCALE - H: 1" = 10', V: 1" = 1'



STORM DRAIN PROFILE SD1 TO JB1
SCALE - H: 1" = 10', V: 1" = 1'



STORM DRAIN PROFILE JB1 TO SD4
SCALE - H: 1" = 10', V: 1" = 1'

Site Name Greencastle Plaza

Structure No.	Quantity	Basin Dia.	Rim Elevation	Stub 1 Dia.	Stub 1 Angle	Stub 1 Material	Stub 1 IE	Stub 2 Dia.	Stub 2 Angle	Stub 2 Material	Stub 2 IE	Grate Type	Notes	Part Code
SD1	1	12 in.	593.95 ft. AMSL	8 in.	0	ADS N-12	591.05 ft. AMSL	8 in.	90	ADS N-12	591.05 ft. AMSL	Pedestrian (H-10 Rated, ADA Compliant); NO LOCKING		2812AG5
SD2	1	12 in.	594.05 ft. AMSL	8 in.	0	ADS N-12	591.3 ft. AMSL	6 in.	180	ADS N-12	591.3 ft. AMSL	Pedestrian (H-10 Rated, ADA Compliant); NO LOCKING		2812AG5
SD3	1	12 in.	594.05 ft. AMSL	6 in.	0	ADS N-12	591.5 ft. AMSL	6 in.	150	ADS N-12	591.5 ft. AMSL	Pedestrian (H-10 Rated, ADA Compliant); NO LOCKING		2812AG5
SD4	1	12 in.	593.8 ft. AMSL	6 in.	0	ADS N-12	591.95 ft. AMSL	6 in.	180	ADS N-12	591.95 ft. AMSL	Pedestrian (H-10 Rated, ADA Compliant); NO LOCKING		2812AG3
JB1	1	12 in.	594.25 ft. AMSL	6 in.	0	ADS N-12	591.75 ft. AMSL	6 in.	119	ADS N-12	591.75 ft. AMSL	Solid; NO LOCKING		2812AG3

SCALE: 1" = 10'

10 0 10 20

PENNSYLVANIA Brett Whorley REGISTERED LANDSCAPE ARCHITECT 09/22/2026

Professional Certification:
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional under the laws of the State of PENNSYLVANIA License #: LA003057
Expiration Date: 05/31/2027

FSA
FREDERICK, SEIBERT & ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • LANDSCAPE ARCHITECTS • LAND PLANNERS
fsa-inc.com © 2026

128 SOUTH POTOMAC STREET HAGERSTOWN, MD 21740 301.791.3650
20 WEST BALTIMORE STREET GREENCASTLE, PA 17225 717.597.1007
505 SOUTH HANOVER STREET CARLISLE, PA 17013 717.701.8111
15 EAST MAIN STREET NEW BLOOMFIELD, PA 17068 717.275.7531

ARCHITECT
NOELKER AND HULL ASSOCIATES, INC.
30 WEST KING STREET CHAMBERSBURG, PA | 17201-1540 717.263.8464

STRUCTURAL ENGINEER
M&A Matonak & Associates STRUCTURAL ENGINEERS
MATONAK & ASSOCIATES
831-B SWEENEY DRIVE HAGERSTOWN, MD | 21740 301.790.0111

DATE:	MARK:	DESCRIPTION:
9-21-26		Bid Set Revisions

TOWN HALL PLAZA

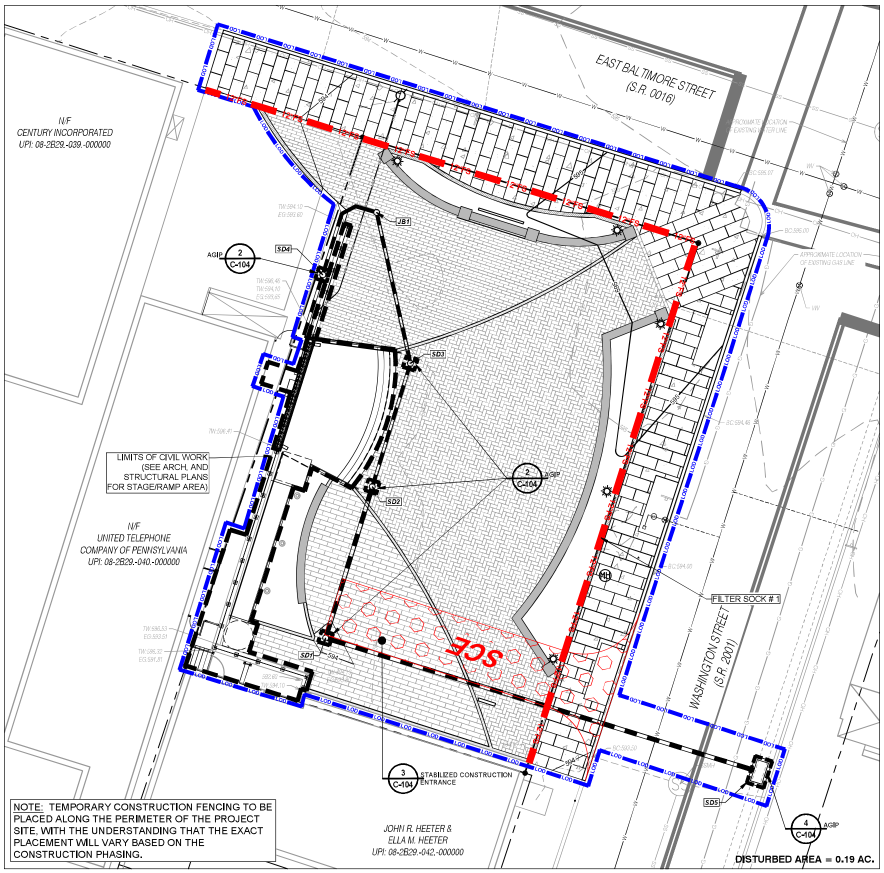
SITUATED ON THE SOUTHWEST CORNER OF EAST BALTIMORE STREET & WASHINGTON STREET
GREENCASTLE, PENNSYLVANIA
FRANKLIN COUNTY, PENNSYLVANIA

BOROUGH OF GREENCASTLE
60 N WASHINGTON ST., GREENCASTLE, PA 17225
717-597-7143

PROJECT NO. 2023-0312
DWN BY CAD
DATE 09-2026
PROJECT MANAGER: Brett Whorley
EMAIL: BWhorley@fsa-inc.com
PROPERTY INFORMATION UPI- 08-2B29.-041.-EX0000
SCALE 1" = 10'
SHEET TITLE

GRADING & UTILITY PLAN

C-103



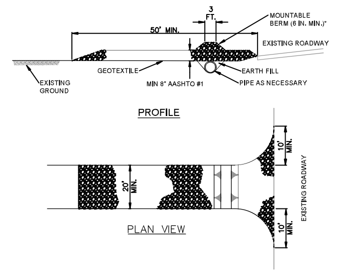
NOTE: TEMPORARY CONSTRUCTION FENCING TO BE PLACED ALONG THE PERIMETER OF THE PROJECT SITE, WITH THE UNDERSTANDING THAT THE EXACT PLACEMENT WILL VARY BASED ON THE CONSTRUCTION PHASING.

STANDARD E&S PLAN NOTES

1. A copy of the stamped approved drawings must be available at the project site at all times.
2. At least 7 days prior to starting any earth disturbance activities (including clearing and grubbing), the owner and/or operator shall invite all contractors, the landowner, appropriate municipal officials and the E&S Plan preparer to an on-site preconstruction meeting.
3. At least 3 days prior to starting any earth disturbance activities, or expanding into an area previously unmarked, the Pennsylvania One Call System Inc. shall be notified at 1-800-242-1776 for the location of existing underground utilities.
4. All earth disturbance activities shall proceed in accordance with the sequence provided on the plan drawings. Deviation from that sequence must be approved in writing from Antrim Township.
5. Clearing, grubbing, and topsoil stripping shall be limited to those areas described in each stage of the construction sequence. General site clearing, grubbing and topsoil stripping may not commence in any stage or phase of the project until the E&S BMPs specified by the Construction Sequence for that stage or phase has been installed and are functioning as described in this document.
6. At no time shall construction vehicles be allowed to enter areas outside the limit of disturbance boundaries shown on the plan maps. These areas must be clearly marked and fenced off before clearing and grubbing operations begin.
7. Stockpile heights must not exceed 35 feet. Stockpile slopes must be 2H:1V or flatter.
8. Immediately upon discovering unforeseen circumstances posing the potential for accelerated erosion and/or sediment pollution, the operator shall implement appropriate BMPs to minimize the potential for erosion and sediment pollution.
9. All building materials and wastes must be removed from the site and recycled or disposed of in accordance with the Department's Solid Waste Management Regulations at 25 Pa. Code Chapter 260, §§260.1 et seq., 271.1, and 287.1 et. seq. No building materials or wastes or unused building materials shall be burned, buried, dumped, or discharged at the site.
10. All off-site waste and borrow areas must have an E&S Plan approved by the Franklin County Conservation District or DEP fully implemented prior to being activated.
11. The contractor is responsible for ensuring that any material brought on site is Clean Fill. Form FP-001 must be retained by the property owner for any fill material affected by a spill or release of a regulated substance but qualifying as Clean Fill due to analytical testing.
12. All pumping of water from any work area shall be done according to the procedure described in this plan, over undisturbed vegetated areas.
13. Vehicles and equipment may neither enter directly nor exit directly from Lots onto Public Streets except where shown.
14. Until the site is stabilized, all E&S BMPs must be maintained properly. Maintenance must include inspections of all E&S BMPs after each runoff event and on a weekly basis. All preventative and remedial maintenance work, including clean out, repair, replacement, re-grading, reseeding, re-mulching and re-netting must be performed immediately. If E&S BMPs fail to perform as expected, replacement BMPs, or modifications of those installed will be required.
15. A written report showing dates that E&S BMPs were inspected as well as any deficiencies found and the date they were corrected shall be maintained on the site and be made available to regulatory agency officials at the time of inspection.
16. Sediment tracked onto any public roadway or sidewalk shall be returned to the construction site by the end of each work day and disposed in the manner described in this plan. In no case shall the sediment be washed, shoveled, or swept into any roadside ditch, storm sewer, or surface water.
17. All sediment removed from BMPs shall be disposed of in the manner described on the plan drawings.
18. Areas which are to be topsoiled shall be scarified to a minimum depth of 4 inches prior to placement of topsoil. Areas to be vegetated shall have a minimum 4 inches of topsoil in place prior to seeding and mulching. Fill outslopes shall have a minimum of 2 inches of topsoil.
19. All fills shall be compacted as required to reduce erosion, slippage, settlement, subsidence or other related problems. Fill intended to support buildings, structures and conduits, etc. shall be compacted in accordance with local requirements or codes.
20. All fills shall be placed in compacted layers not to exceed 9 inches in thickness.
21. 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.
22. Frozen materials or soft, mucky, or highly compressible materials shall not be incorporated into fills.
23. Fill shall not be placed on saturated or frozen surfaces.
24. Seeps or springs encountered during construction shall be handled in accordance with the standard and specification for subsurface drain or other approved method.
25. All graded areas shall be permanently stabilized immediately upon reaching finished grade. Cut slopes in competent bedrock and rock fills need not be vegetated.
26. Immediately after earth disturbance activities cease in any area or subarea of the project, the operator shall stabilize all disturbed areas. During non-germinating months, mulch or protective blanketing shall be applied as described in 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.
27. Permanent stabilization is defined as a minimum uniform, perennial 70% vegetative cover or other permanent non-vegetative cover with a density sufficient to resist accelerated erosion. Cut and fill slopes shall be capable of resisting failure due to slumping, sliding, or other movements.
28. E&S BMPs must remain functional as such until all areas tributary to them are permanently stabilized or until they are replaced by another BMP approved by the Franklin County Conservation District or DEP.
29. Upon completion of all earth disturbance activities and permanent stabilization of all disturbed areas, the owner and/or operator shall contact the Franklin County Conservation District for an inspection prior to removal/conversion of the E&S BMPs.
30. After final site stabilization has been achieved, temporary E&S BMPs must be removed or converted to permanent post construction stormwater management BMPs. Areas disturbed during removal or conversion of the BMPs must be stabilized immediately. In order to ensure rapid revegetation of disturbed areas, such removal/conversions should be done only during the germinating season.
31. Upon completion of all earth disturbance activities and permanent stabilization of all disturbed areas, the owner and/or operator shall contact the Franklin County Conservation District to schedule a final inspection.
32. Failure to correctly install E&S BMPs, failure to prevent sediment-laden runoff from leaving the construction site, or failure to take immediate corrective action to resolve failure of E&S BMPs may result in administrative, civil, and/or criminal penalties being instituted by the Pennsylvania Department of Environmental Protection 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 $25,000 in misdemeanor criminal penalties for each violation.

ADDITIONAL NOTES

1. All channels shall be kept free of obstructions including but not limited to fill, rocks, leaves, woody debris, accumulated sediment, excess vegetation, and construction material/wastes. The channel shall be initially over excavated to allow for the placement of topsoil.
2. Underground utilities cutting through any active channel shall be immediately backfilled and the channel restored to its original cross-section and protective lining. Any base flow within the channel shall be conveyed past the work area in the manner described in this plan until such restoration is complete.
3. Channels having Riprap, Reno Mattress, or Gabion linings must be sufficiently over-excavated so that the design dimensions will be provided after placement of the protective lining.



* MOUNTABLE BERM USED TO PROVIDE PROPER COVER FOR PIPE

NOTES:

REMOVE TOPSOIL PRIOR TO INSTALLATION OF ROCK CONSTRUCTION ENTRANCE, EXTEND ROCK OVER FULL WIDTH OF ENTRANCE.

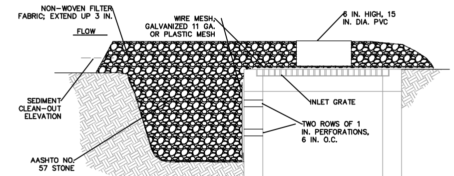
RUNOFF SHALL BE DIVERTED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE.

MOUNTABLE BERM SHALL BE INSTALLED WHEREVER OPTIONAL CULVERT PIPE IS USED AND PROPER PIPE COVER AS SPECIFIED BY MANUFACTURER IS NOT OTHERWISE PROVIDED. PIPE SHALL BE SIZED APPROPRIATELY FOR SIZE OF DITCH BEING CROSSED.

MAINTENANCE: ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY. IF EXCESSIVE AMOUNTS OF SEDIMENT ARE BEING DEPOSITED ON ROADWAY, EXTEND LENGTH OF ROCK CONSTRUCTION ENTRANCE BY 50 FOOT INCREMENTS UNTIL CONDITION IS ALLEVIATED OR INSTALL WASH RACK. WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO ROADWAY DITCHES, SEWERS, CULVERTS, OR OTHER DRAINAGE COURSES IS NOT ACCEPTABLE.

STANDARD CONSTRUCTION DETAIL #3-1
ROCK CONSTRUCTION ENTRANCE

NOT TO SCALE



NOTES:

STONE PROTECTION SHALL NOT BE REQUIRED FOR INLET TRIBUTARY TO SEDIMENTATION BASINS AND SEDIMENT TRAPS.

SHOULD INCLUDE OPENINGS OF 1/4 IN. MAXIMUM FOR WIRE OR PLASTIC MESH.

HOLES MAY BE DRILLED IN CONCRETE BOX.

EARTHEN BERM IN ROADWAY SHALL NOT BE REQUIRED.

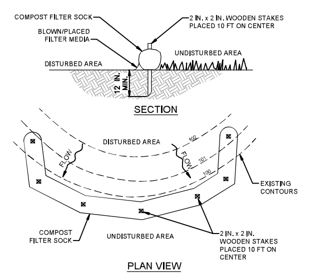
ALTERNATE STONE INLET PROTECTION FOR TYPE M INLET CAN BE USED ON ONE ACRE MAXIMUM DRAINAGE AREA WITH 15 IN. OVERFLOW PIPE AND 4 IN. HEAD.

SEDIMENT SHALL BE REMOVED WHEN IT REACHES HALF THE HEIGHT OF THE STONE. DAMAGED OR CLOGGED INSTALLATIONS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

FOR SYSTEMS DISCHARGING TO HQ OR EV SURFACE WATER, A 6 INCH THICK COMPOST LAYER SHALL BE SECURELY ANCHORED ON OUTSIDE AND OVER TOP OF STONE. COMPOST SHALL MEET THE STANDARDS IN TABLE 4.2 IF THE PA DEP EROSION CONTROL MANUAL.

STANDARD CONSTRUCTION DETAIL #4-21
ALTERNATE STONE INLET PROTECTION - TYPE M INLET - AT GRADE

NOT TO SCALE



NOTES:

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 CONTROL MANUAL.

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.

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.

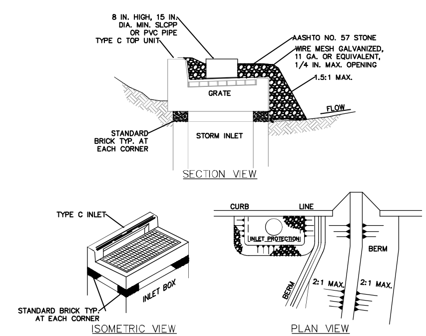
COMPOST FILTER SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.

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.

STANDARD CONSTRUCTION DETAIL #4-1
COMPOST FILTER SOCK

NOT TO SCALE



NOTES:

INLET PROTECTION SHALL NOT BE REQUIRED FOR INLETS TRIBUTARY TO SEDIMENT BASINS OR SEDIMENT TRAPS. ALTERNATE TYPE C INLET PROTECTION CAN BE USED ON ONE ACRE MAXIMUM DRAINAGE AREA WITH 15 IN. OVERFLOW PIPE AND 4 IN. HEAD.

BERMS SHALL BE REQUIRED FOR ALL INSTALLATIONS NOT LOCATED AT LOW POINTS. EARTHEN BERMS SHALL BE STABILIZED WITH VEGETATION AND MAINTAINED UNTIL ROADWAY IS STONED OR TRIBUTARY AREA IS PERMANENTLY VEGETATED. ROAD SUBBASE BERMS SHALL BE MAINTAINED UNTIL ROADWAY IS PAVED.

INLETS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES HALF THE HEIGHT OF THE STONE. DAMAGED INSTALLATIONS SHALL BE REPAIRED OR REPLACED WITHIN 24 HOURS OF INSPECTION.

FOR SYSTEMS DISCHARGING TO HQ OR EV SURFACE WATER, A 6 INCH THICK COMPOST LAYER SHALL BE SECURELY ANCHORED ON OUTSIDE AND OVER TOP OF STONE. COMPOST SHALL MEET THE STANDARDS IN TABLE 4.2 OF THE PA DEP EROSION CONTROL MANUAL.

STANDARD CONSTRUCTION DETAIL #4-22
ALTERNATE TYPE C INLET PROTECTION - NOT AT GRADE

NOT TO SCALE

SCALE: 1" = 10'

10 0 10 20

PENNSYLVANIA REGISTERED LANDSCAPE ARCHITECT Brett Whorley LA003257
09/22/2026

Professional Certification:
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional under the laws of the State of PENNSYLVANIA. License # LA003257
Expiration Date 05/31/2027

FSA
FREDERICK, SEIBERT & ASSOCIATES, INC.
© 2026 fsa-inc.com
CIVIL ENGINEERS • SURVEYORS • LANDSCAPE ARCHITECTS • LAND PLANNERS
128 SOUTH POTOMAC STREET HAGERSTOWN, MD 21740 301.791.3650
20 WEST BALTIMORE STREET GREENCASTLE, PA 17225 717.597.1007
505 SOUTH HANOVER STREET CARLISLE, PA 17013 717.701.8111
15 EAST MAIN STREET NEW BLOOMFIELD, PA 17068 717.275.7531

ARCHITECT
NOELKER AND HULL ASSOCIATES, INC.
30 WEST KING STREET CHAMBERSBURG, PA | 17201-1540 717.263.8484

STRUCTURAL ENGINEER
M&A Matonak & Associates STRUCTURAL ENGINEERS
MATONAK & ASSOCIATES
801-B SWEENEY DRIVE HAGERSTOWN, MD | 21740 301.790.0111

MARK:	DESCRIPTION:	DATE:
	Bid Set Revisions	9-21-26

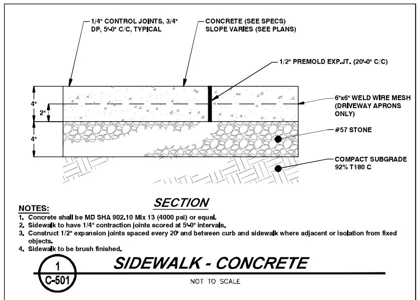
TOWN HALL PLAZA

SITUATED ON THE SOUTHWEST CORNER OF EAST BALTIMORE STREET & WASHINGTON STREET
GREENCASTLE, PENNSYLVANIA
FRANKLIN COUNTY, PENNSYLVANIA

BOROUGH OF GREENCASTLE
60 N WASHINGTON ST., GREENCASTLE, PA 17225
717-597-7143

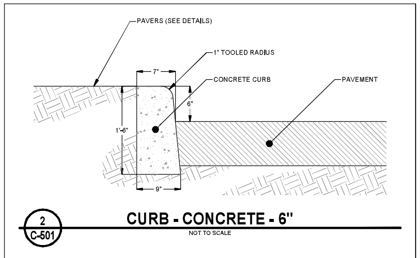
PROJECT NO.	2023-0312
DWN BY: CAD	DATE: 09-2026
PROJECT MANAGER:	Brett Whorley
EMAIL:	BWhorley@fsa-inc.com
PROPERTY INFORMATION	UPI- 08-2B29.-041.-EX0000
SCALE	1" = 10'
SHEET TITLE	E & S PLAN

C-104

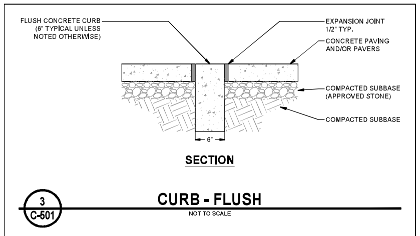


NOTES:
1. Concrete shall be MD SHA 902.10 Mix 13 (4000 psi) or equal.
2. Sidewalk to have 1/4" contraction joints scored at 5'-0" intervals.
3. Construct 1/2" expansion joints spaced every 20' and between curb and sidewalk where adjacent or isolation from fixed objects.
4. Sidewalk to be brush finished.

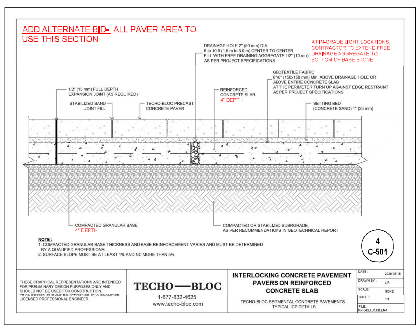
1 / C-501 — SIDEWALK - CONCRETE
NOT TO SCALE

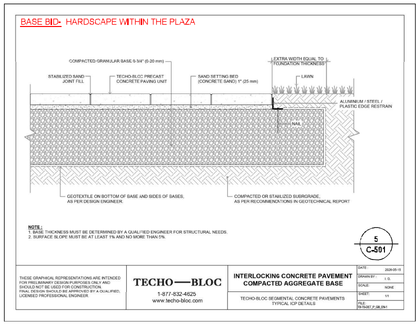


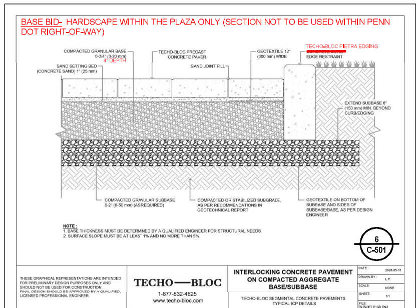
2 / C-501 — CURB - CONCRETE - 6"
NOT TO SCALE

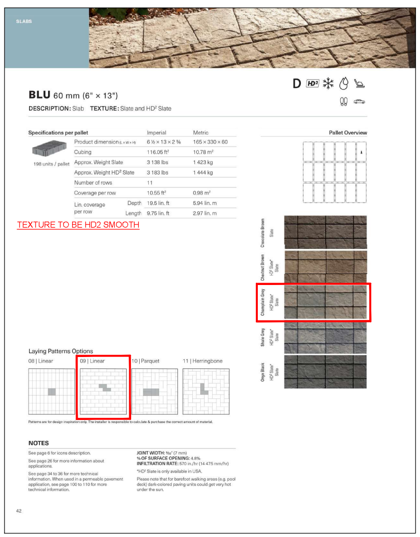


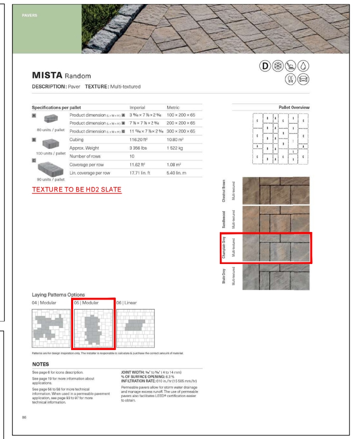
3 / C-501 — CURB - FLUSH
NOT TO SCALE



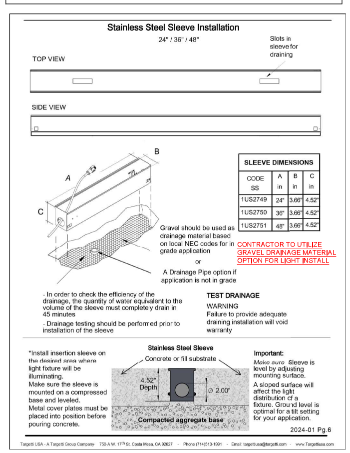


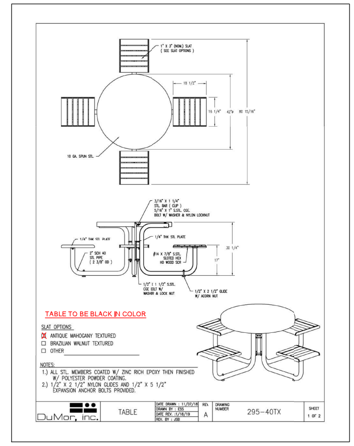


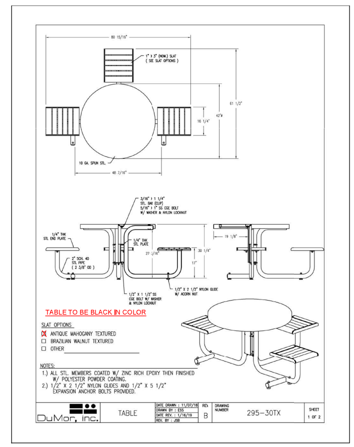


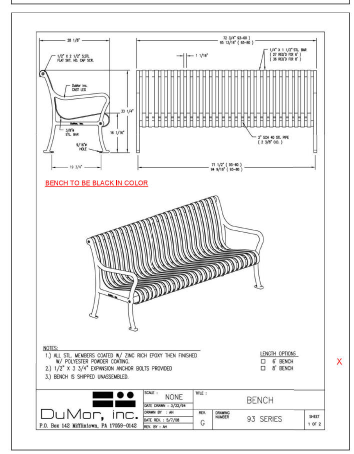












PENNSYLVANIA REGISTERED LANDSCAPE ARCHITECT — Brett Whorley — LA003257
09/22/2026

Professional Certification:
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional under the laws of the State of PENNSYLVANIA License # LA003257
Expiration Date 05/31/2027

FREDERICK, SEIBERT & ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • LANDSCAPE ARCHITECTS • LAND PLANNERS
fsa-inc.com
128 SOUTH POTOMAC STREET HAGERSTOWN, MD 21740 301.791.3650
20 WEST BALTIMORE STREET GREENCASTLE, PA 17225 717.597.1007
505 SOUTH HANOVER STREET CARLISLE, PA 17013 717.701.8111
15 EAST MAIN STREET NEW BLOOMFIELD, PA 17068 717.275.7531

ARCHITECT: NOELKER AND HULL ASSOCIATES, INC. 30 WEST KING STREET CHAMBERSBURG, PA | 17201-1540 717.263.8464

STRUCTURAL ENGINEER: MATONAK & ASSOCIATES 931-B SWEENEY DRIVE HAGERSTOWN, MD | 21740 301.790.0111

© 2026

MARK:	DESCRIPTION:	DATE:
	Bid Set Revisions	9-21-26

TOWN HALL PLAZA

SITUATED ON THE SOUTHWEST CORNER OF EAST BALTIMORE STREET & WASHINGTON STREET
GREENCASTLE, PENNSYLVANIA
FRANKLIN COUNTY, PENNSYLVANIA

BOROUGH OF GREENCASTLE
60 N WASHINGTON ST., GREENCASTLE, PA 17225
717-597-7143

PROJECT NO. 2023-0312
DWN BY CAD
DATE 09-2026
PROJECT MANAGER: Brett Whorley
EMAIL: BWhorley@fsa-inc.com
PROPERTY INFORMATION UPI- 08-2B29.-041.-EX0000
SCALE AS SHOWN
SHEET TITLE: SITE DETAILS

C-501

DRAIN BASIN SHOP DRAWING (SD1)

ADS Nyloplast

PO#	
Part Number	2812AG5
Revision/Date	REV 01 5/14/26
Customer Approval	
3D Tool ID	56183

Project Name: Greencastle Plaza | 12 | Structure No. SD1 | Qty. 1

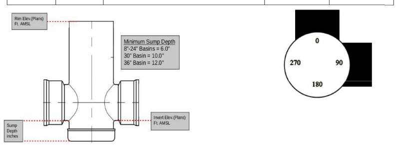
Prepared By: Abram Myers, Frederick Seibert & Associates, (301) 791-3650, amyers@fsa-inc.com

Grate: 12; Pedestrian (H-10 Rated, ADA Compliant)

Accessories:

Rim Elev. 593.95 ft. | Basin Height 40.8 In. | Sump Depth 6 in.

	Stub size	Angle	Pipe Type	Invert Elev. AMSL	Production Depth
Stub #1	8 in.	0	ADS N-12	591.05 ft.	34.8 in.
Stub #2	8 in.	90	ADS N-12	591.05 ft.	34.8 in.
Stub #3					
Stub #4					
Stub #5					
Stub #6					



CUSTOMER NOTES	PART CODES	PRODUCTION NOTES
	1299CGP;	1079997-01-001 -

This product is made to order and non-Refundable
Nyloplast, 3130 Verona Ave. Buford, GA 30518. (866) 888-8479
Nyloplast® is a registered trademark of Advanced Drainage Systems®

Nyloplast® is not responsible for accuracy of shop drawings submitted by customer through the 3D Design Tool. Submission of shop drawings for purchase and fabrication constitute an approval for production as designed by customer.

DRAIN BASIN SHOP DRAWING (SD2)

ADS Nyloplast

PO#	
Part Number	2812AG5
Revision/Date	REV 01 5/14/26
Customer Approval	
3D Tool ID	56183

Project Name: Greencastle Plaza | 12 | Structure No. SD2 | Qty. 1

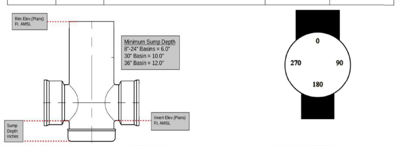
Prepared By: Abram Myers, Frederick Seibert & Associates, (301) 791-3650, amyers@fsa-inc.com

Grate: 12; Pedestrian (H-10 Rated, ADA Compliant)

Accessories:

Rim Elev. 594.05 ft. | Basin Height 39 In. | Sump Depth 6 in.

	Stub size	Angle	Pipe Type	Invert Elev. AMSL	Production Depth
Stub #1	8 in.	0	ADS N-12	591.3 ft.	33 in.
Stub #2	6 in.	180	ADS N-12	591.3 ft.	33 in.
Stub #3					
Stub #4					
Stub #5					
Stub #6					



CUSTOMER NOTES	PART CODES	PRODUCTION NOTES
	1299CGP;	1079997-01-002 -

This product is made to order and non-Refundable
Nyloplast, 3130 Verona Ave. Buford, GA 30518. (866) 888-8479
Nyloplast® is a registered trademark of Advanced Drainage Systems®

Nyloplast® is not responsible for accuracy of shop drawings submitted by customer through the 3D Design Tool. Submission of shop drawings for purchase and fabrication constitute an approval for production as designed by customer.

DRAIN BASIN SHOP DRAWING (SD3)

ADS Nyloplast

PO#	
Part Number	2812AG5
Revision/Date	REV 01 5/14/26
Customer Approval	
3D Tool ID	56183

Project Name: Greencastle Plaza | 12 | Structure No. SD3 | Qty. 1

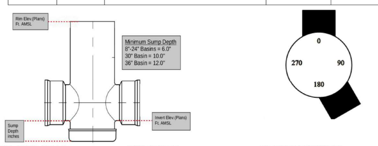
Prepared By: Abram Myers, Frederick Seibert & Associates, (301) 791-3650, amyers@fsa-inc.com

Grate: 12; Pedestrian (H-10 Rated, ADA Compliant)

Accessories:

Rim Elev. 594.05 ft. | Basin Height 36.6 In. | Sump Depth 6 in.

	Stub size	Angle	Pipe Type	Invert Elev. AMSL	Production Depth
Stub #1	6 in.	0	ADS N-12	591.5 ft.	30.6 in.
Stub #2	6 in.	150	ADS N-12	591.5 ft.	30.6 in.
Stub #3					
Stub #4					
Stub #5					
Stub #6					



CUSTOMER NOTES	PART CODES	PRODUCTION NOTES
	1299CGP;	1079997-01-003 -

This product is made to order and non-Refundable
Nyloplast, 3130 Verona Ave. Buford, GA 30518. (866) 888-8479
Nyloplast® is a registered trademark of Advanced Drainage Systems®

Nyloplast® is not responsible for accuracy of shop drawings submitted by customer through the 3D Design Tool. Submission of shop drawings for purchase and fabrication constitute an approval for production as designed by customer.

DRAIN BASIN SHOP DRAWING (SD4)

ADS Nyloplast

PO#	
Part Number	2812AG3
Revision/Date	REV 01 5/14/26
Customer Approval	
3D Tool ID	56183

Project Name: Greencastle Plaza | 12 | Structure No. SD4 | Qty. 1

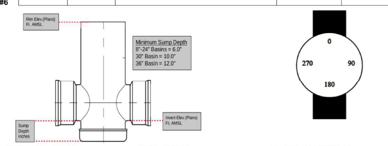
Prepared By: Abram Myers, Frederick Seibert & Associates, (301) 791-3650, amyers@fsa-inc.com

Grate: 12; Pedestrian (H-10 Rated, ADA Compliant)

Accessories:

Rim Elev. 593.8 ft. | Basin Height 28.2 In. | Sump Depth 6 in.

	Stub size	Angle	Pipe Type	Invert Elev. AMSL	Production Depth
Stub #1	6 in.	0	ADS N-12	591.95 ft.	22.2 in.
Stub #2	6 in.	180	ADS N-12	591.95 ft.	22.2 in.
Stub #3					
Stub #4					
Stub #5					
Stub #6					



CUSTOMER NOTES	PART CODES	PRODUCTION NOTES
	1299CGP;	1079997-01-004 -

This product is made to order and non-Refundable
Nyloplast, 3130 Verona Ave. Buford, GA 30518. (866) 888-8479
Nyloplast® is a registered trademark of Advanced Drainage Systems®

Nyloplast® is not responsible for accuracy of shop drawings submitted by customer through the 3D Design Tool. Submission of shop drawings for purchase and fabrication constitute an approval for production as designed by customer.

DRAIN BASIN SHOP DRAWING (JB1)

ADS Nyloplast

PO#	
Part Number	2812AG3
Revision/Date	REV 01 5/14/26
Customer Approval	
3D Tool ID	56183

Project Name: Greencastle Plaza | 12 | Structure No. JB1 | Qty. 1

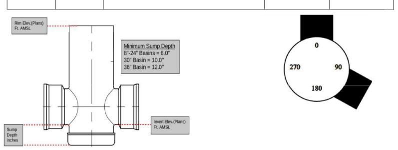
Prepared By: Abram Myers, Frederick Seibert & Associates, (301) 791-3650, amyers@fsa-inc.com

Grate: 12; Solid

Accessories:

Rim Elev. 594.25 ft. | Basin Height 36 In. | Sump Depth 6 in.

	Stub size	Angle	Pipe Type	Invert Elev. AMSL	Production Depth
Stub #1	6 in.	0	ADS N-12	591.75 ft.	30 in.
Stub #2	6 in.	119	ADS N-12	591.75 ft.	30 in.
Stub #3					
Stub #4					
Stub #5					
Stub #6					



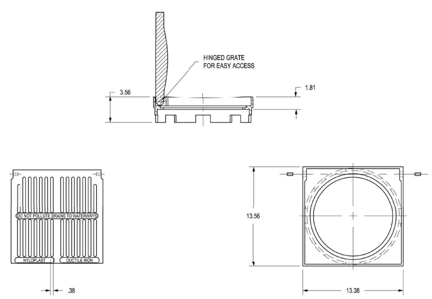
CUSTOMER NOTES	PART CODES	PRODUCTION NOTES
	1299CGC;	1079997-01-005 -

This product is made to order and non-Refundable
Nyloplast, 3130 Verona Ave. Buford, GA 30518. (866) 888-8479
Nyloplast® is a registered trademark of Advanced Drainage Systems®

Nyloplast® is not responsible for accuracy of shop drawings submitted by customer through the 3D Design Tool. Submission of shop drawings for purchase and fabrication constitute an approval for production as designed by customer.

1299CGP

APPROX. DRAIN AREA = 50.60 SQ IN
APPROX. WEIGHT WITH FRAME = 35.04 LBS



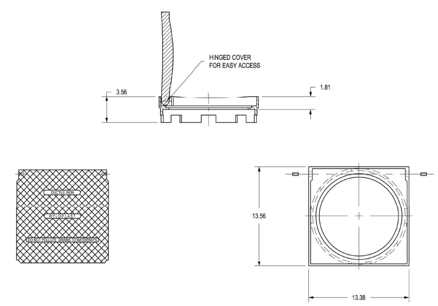
DIMENSIONS ARE FOR REFERENCE ONLY
ACTUAL DIMENSIONS MAY VARY
DIMENSIONS ARE IN INCHES
GRATE MEETS H-10 LOAD RATING
QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05
PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT
SIZE OF OPENING MEETS REQUIREMENTS OF AMERICAN DISABILITY ACT AS STATED IN FEDERAL REGISTER PART III, DEPARTMENT OF JUSTICE, 28 CFR PART 36.
LOCKING DEVICE AVAILABLE UPON REQUEST SEE DRAWING NO. 7001-110-034

THIS PRINT DISCLOSES SUBJECT MATTER IN WHICH NYLOPLAST HAS PROPRIETARY RIGHTS. THE RECEIPT OR POSSESSION OF THIS PRINT DOES NOT CONFER, TRANSFER, OR LICENSE THE USE OF THE DESIGN OR TECHNICAL INFORMATION SHOWN HEREIN REPRODUCTION OF THIS PRINT OR ANY INFORMATION CONTAINED HEREIN, OR MANUFACTURE OF ANY ARTICLE HEREFROM, FOR THE DISCLOSURE TO OTHERS IS FORBIDDEN, EXCEPT BY SPECIFIC WRITTEN PERMISSION FROM NYLOPLAST. ©2013 NYLOPLAST

DRAWN BY EBC	DATE 03-03-06	MATERIAL: DUCTILE IRON	ADS Nyloplast, 3130 VERONA AVE, BUFORD, GA 30518, PHN (770) 932-2443, FAX (770) 932-2490, www.nyloplast-us.com
REVISED BY CCA	DATE 08-28-13	PROJECT NO./NAME	TITLE: 12 IN PEDESTRIAN GRATE ASSEMBLY
DWG SIZE A	SCALE 1:8	SHEET 1 OF 1	DWG NO. 7001-110-202 REV D

1299CGC

APPROX. WEIGHT WITH FRAME = 39.90 LBS



DIMENSIONS ARE FOR REFERENCE ONLY
ACTUAL DIMENSIONS MAY VARY
DIMENSIONS ARE IN INCHES
GRATE MEETS H-20 LOAD RATING
QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05
PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT
LOCKING DEVICE AVAILABLE UPON REQUEST SEE DRAWING NO. 7001-110-033

THIS PRINT DISCLOSES SUBJECT MATTER IN WHICH NYLOPLAST HAS PROPRIETARY RIGHTS. THE RECEIPT OR POSSESSION OF THIS PRINT DOES NOT CONFER, TRANSFER, OR LICENSE THE USE OF THE DESIGN OR TECHNICAL INFORMATION SHOWN HEREIN REPRODUCTION OF THIS PRINT OR ANY INFORMATION CONTAINED HEREIN, OR MANUFACTURE OF ANY ARTICLE HEREFROM, FOR THE DISCLOSURE TO OTHERS IS FORBIDDEN, EXCEPT BY SPECIFIC WRITTEN PERMISSION FROM NYLOPLAST. ©2013 NYLOPLAST

DRAWN BY EBC	DATE 03-03-06	MATERIAL: DUCTILE IRON	ADS Nyloplast, 3130 VERONA AVE, BUFORD, GA 30518, PHN (770) 932-2443, FAX (770) 932-2490, www.nyloplast-us.com
REVISED BY CCA	DATE 08-27-13	PROJECT NO./NAME	TITLE: 12 IN SOLID COVER ASSEMBLY
DWG SIZE A	SCALE 1:8	SHEET 1 OF 1	DWG NO. 7001-110-204 REV D

PENNSYLVANIA REGISTERED LANDSCAPE ARCHITECT Brett Whorley LA003257 09/22/2026

Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional under the laws of the State of PENNSYLVANIA License #: LA003257 Expiration Date: 05/31/2027

FSA FREDERICK, SEIBERT & ASSOCIATES, INC. © 2026 fsa-inc.com
CIVIL ENGINEERS • SURVEYORS • LANDSCAPE ARCHITECTS • LAND PLANNERS
128 SOUTH POTOMAC STREET HAGERSTOWN, MD 21740 301.791.3650
20 WEST BALTIMORE STREET GREENCASTLE, PA 17225 717.597.1007
505 SOUTH HANOVER STREET CARLISLE, PA 17013 717.701.8111
15 EAST MAIN STREET NEW BLOOMFIELD, PA 17068 717.275.7531

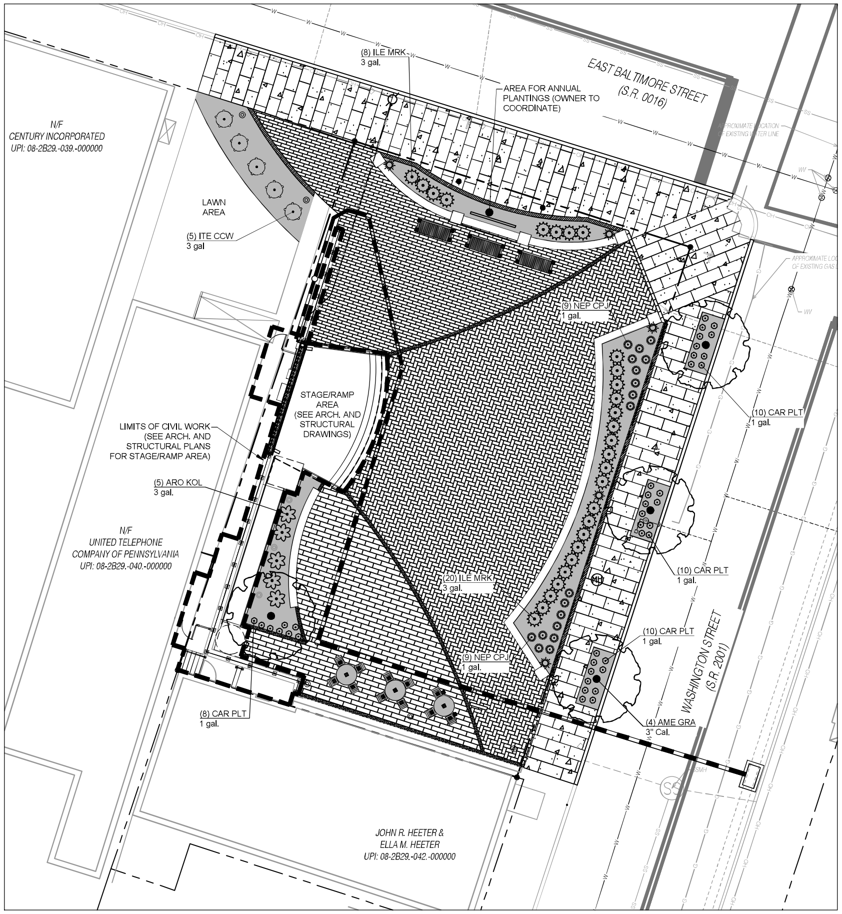
ARCHITECT: NOELKER AND HULL ASSOCIATES, INC. 30 WEST KING STREET CHAMBERSBURG, PA | 17201-1540 717.263.8464

STRUCTURAL ENGINEER: M&A Matonak & Associates Structural Engineers, MATONAK & ASSOCIATES 801-B SWEENEY DRIVE HAGERSTOWN, MD | 21740 301.790.0111

MARK:	DESCRIPTION:	DATE:
	Bid Set Revisions	9-21-26

TOWN HALL PLAZA
SITUATED ON THE SOUTHWEST CORNER OF EAST BALTIMORE STREET & WASHINGTON STREET
GREENCASTLE, PENNSYLVANIA
FRANKLIN COUNTY, PENNSYLVANIA
BOROUGH OF GREENCASTLE
60 N WASHINGTON ST., GREENCASTLE, PA 17225
717-597-7143

PROJECT NO. 2023-0312
DWN BY CAD | DATE 09-2026
PROJECT MANAGER: Brett Whorley
EMAIL: BWhorley@fsa-inc.com
PROPERTY INFORMATION: UPI- 08-2B29,-041,-EX0000
SCALE: AS SHOWN
SHEET TITLE: STORM DRAIN DETAILS
C-502



GENERAL LANDSCAPE NOTES:

1. Landscape contractor is to call Miss Utility and have all underground utilities marked prior to any digging or planting.
2. Landscape Contractor shall install all plant material in a timely fashion.
3. Landscape Contractor shall be responsible for all watering, weeding, repairs and replacements prior to final acceptance.
4. NO Substitutions of plant material without written permission of FSA. Planting plans have been proposed with plant sizes, types, and locations as important design elements.
5. Plants shall be in accordance with the current issue of American Standards for Nursery Stock published by the American Association of Nurserymen.
6. All plants shall be watered thoroughly during installation and prior to final acceptance.
7. All bark mulched areas shall be first covered with Typar Weed Barrier or approved equal.
8. All planting bed areas on the site shall be mulched with a hardwood bark mulch at a depth of approx. 3", unless noted otherwise.
9. Plant material shall be inspected yearly in order to remove and replace dead, diseased vegetation.
10. Warranted plant material that is 25% dead or more shall be considered dead and shall be replaced at no charge.
11. All plant material shall be warranted for two years. 60 days prior to the end of the warranted period, the Engineering Department shall perform an inspection. Of which there should be an 90% survival rate of all plant material. All surviving plant material shall be found in a healthy condition. The warranty shall commune on the date of initial acceptance by the owner.
12. The landscape contractor shall conduct a final inspection with the owner or owner's representative at the end of the warranty period.
13. Fertilizer Packets are to be Nutri-Pak 16-8-8 or approved equal per manufacturer's recommendations.
14. Landscape is recommended to be installed during the two growing seasons. Spring: April 15-June 15, Fall: September 1-November 1.

MAINTENANCE:

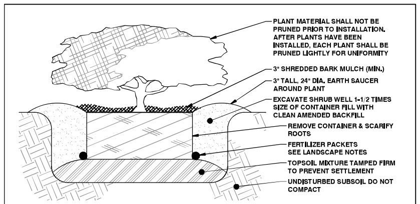
1. All trash and debris should be removed from the top of the wetland area as necessary.
2. Areas devoid of mulch shall be re-mulched on an annual basis.

PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL / COMMON NAME	SIZE	CONTAINER	QTY	DETAIL	REMARKS
TREES							
	AME GRA	Amelanchier x grandiflora `Autumn Brilliance` / `Autumn Brilliance` Serviceberry	3" Cal.	B&B	4	2/L-101	Single Stem
SHRUBS							
	ARO KOL	Aronia melanocarpa Low Scape Mound / Low Scape Mound Chokeberry	3 gal.		5	1/L-101	
	CAR PLT	Carex plantaginea / Plantain-leaved Sedge	1 gal.		38	1/L-101	
	ILE MRK	Ilex glabra 'Gem Box' / Gem Box Inkberry Holly	3 gal.		28	1/L-101	
	ITE CCW	Itea virginica `Little Henry` / Little Henry Virginia Sweetspire	3 gal		5	1/L-101	
	NEP CPJ	Nepeta x 'Cat's Pajamas' / Cat's Pajamas Catmint	1 gal.		18	1/L-101	

LEGEND

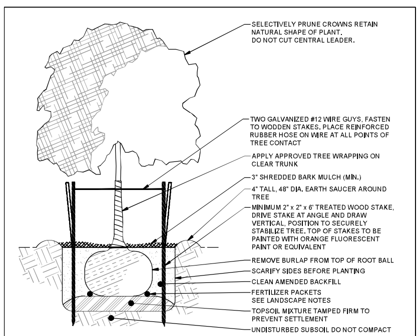
HATCH	DESCRIPTION
	3" SHREDDED BARK MULCH OR APPROVED EQUAL



SECTION

1 L-101 **CONTAINER PLANTING - SHRUB**

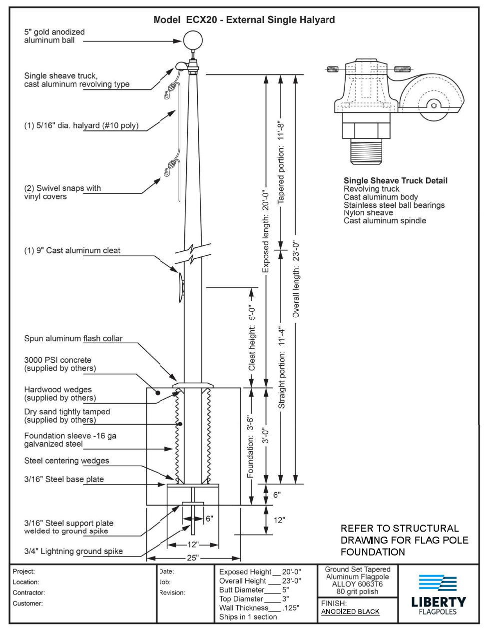
NOT TO SCALE



SECTION

2 L-101 **PLANTING - TREE (Up to 2-1/2" Cal.)**

NOT TO SCALE



SCALE: 1" = 10'

10 0 10 20

PENNSYLVANIA Brett Whorley REGISTERED LANDSCAPE ARCHITECT LA003257 09/22/2026

Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional under the laws of the State of PENNSYLVANIA License # LA003257 Expiration Date 05/31/2027

FSA

FREDERICK, SEIBERT & ASSOCIATES, INC.

CIVIL ENGINEERS • SURVEYORS • LANDSCAPE ARCHITECTS • LAND PLANNERS

© 2026 fsa-inc.com

128 SOUTH POTOMAC STREET HAGERSTOWN, MD 21740 301.791.3650 | 20 WEST BALTIMORE STREET GREENCASTLE, PA 17225 717.597.1007 | 505 SOUTH HANOVER STREET CARLISLE, PA 17013 717.701.8111 | 15 EAST MAIN STREET NEW BLOOMFIELD, PA 17068 717.275.7531

ARCHITECT: NOELKER AND HULL ASSOCIATES, INC. 30 WEST KING STREET CHAMBERSBURG, PA | 17201-1540 717.263.8464

STRUCTURAL ENGINEER: M&A Matonak & Associates Structural Engineers. MATONAK & ASSOCIATES 801-B SWEENEY DRIVE HAGERSTOWN, MD | 21740 301.790.0111

MARK:	DESCRIPTION:	DATE:
	Bid Set Revisions	9-21-26

TOWN HALL PLAZA

SITUATED ON THE SOUTHWEST CORNER OF EAST BALTIMORE STREET & WASHINGTON STREET

GREENCASTLE, PENNSYLVANIA

FRANKLIN COUNTY, PENNSYLVANIA

BOROUGH OF GREENCASTLE

60 N WASHINGTON ST., GREENCASTLE, PA 17225

717-597-7143

PROJECT NO. 2023-0312

DWN BY CAD | DATE 09-2026

PROJECT MANAGER: Brett Whorley

EMAIL: BWhorley@fsa-inc.com

PROPERTY INFORMATION: UPI- 08-2B29.-041.-EX0000

SCALE 1" = 10'

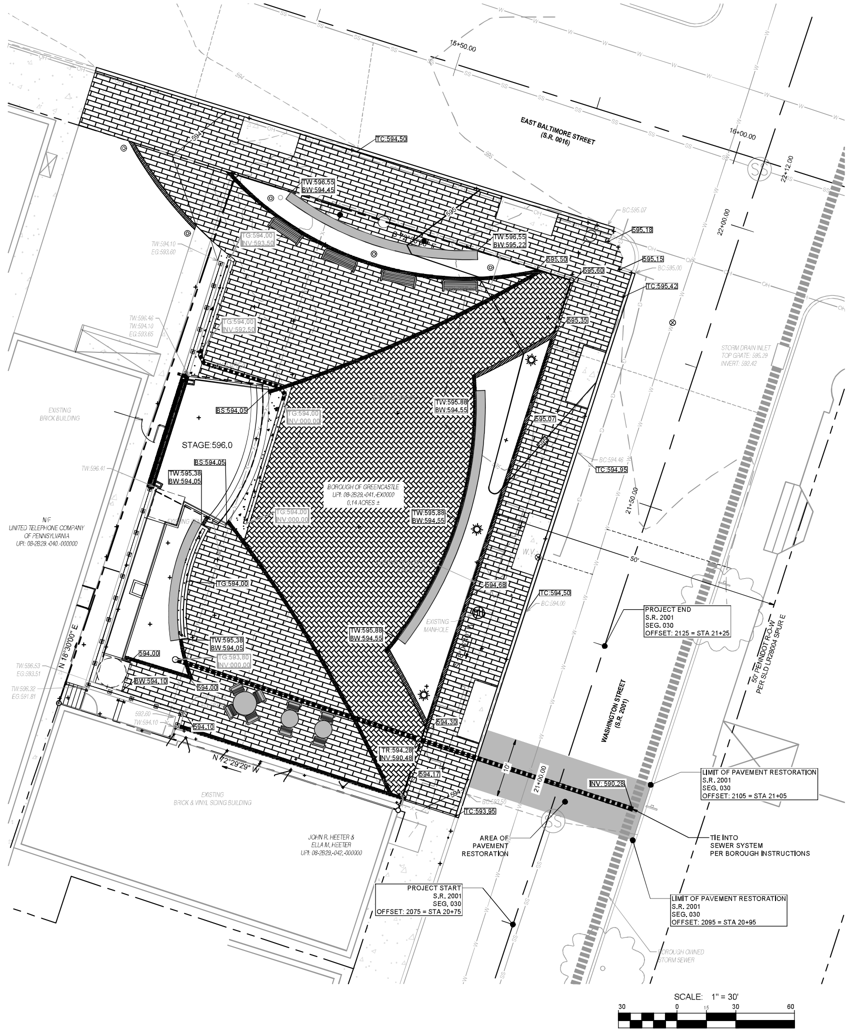
SHEET TITLE: LANDSCAPE PLAN

L-101

HIGHWAY OCCUPANCY PERMIT PLANS
for
TOWN HALL PLAZA

OWNER/DEVELOPER:
Greencastle Borough
c/o Emilee Little, Borough Manager
60 North Washington Street
Greencastle, PA 17225
Email: elittle@greencastlepa.gov
Phone: (717) 597-7143

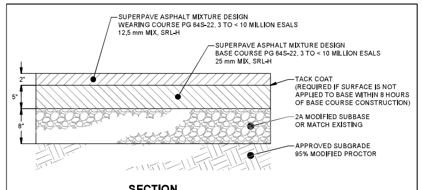
LEGEND		
HATCH	DESCRIPTION	DETAIL / SHEET
	PENNDOT HOP PAVEMENT	



TOWN HALL PLAZA UTILITY PERMIT

FROM S.R. 2001, SEG 0030 OFFSET 2075 TO SEG 0030 OFFSET 2125

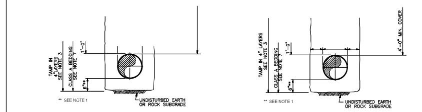
HOP APPLICATION NUMBER: # 403851



SECTION

NOTES:
1. Restoration pavement sections shall be constructed to the design depth above or the depth of the existing pavement section, whichever is greater.
2. The Asphalt Binder shall conform to AASHTO MP1-93 Table 1, Standard Specification for Performance Graded Asphalt Binder. Superpave mix designs shall be in conformance with AASHTO PP28-95, Standard Practice for Superpave Volumetric Design for HMA. The Performance Grading shall be achieved by the use of Neat Asphalt with polymer modification when needed.
3. All longitudinal joints shall be sealed with PG 64S-22.

1 / C-101 **PAVEMENT - PENNDOT**
NOT TO SCALE



TYPICAL TRENCH UNPAVED AREAS
NO SCALE

TYPICAL TRENCH PAVED AREAS
NO SCALE

TRENCH NOTES:
1. IF UNSUITABLE SUBSOIL IS ENCOUNTERED AT THE NORMAL TRENCH SUBGRADE, THE CONTRACTOR SHALL REMOVE IT TO THE DEPTH DIRECTED BY THE ENGINEER IN THE FIELD, AND BACKFILL W/ CLASS 'A' BEDDING MATERIAL IN 4" LAYERS.
2. BOTTOM OF TRENCH SHALL BE FREE OF WATER PRIOR TO PLACING BEDDING.
3. IF VIBRATORY COMPACTION EQUIPMENT IS USED BACKFILL MAY BE IN 8" LAYERS.
4. PROVIDE 4" OF TOPSOIL WHERE SEEDING IS REQUIRED. SEE NOTE 6 AT GRAVEL DRIVEWAYS.
5. CONTRACTOR SHALL SHORE THE TRENCH IN ACCORDANCE WITH SECTION II, ARTICLE 3.08 OF THE AUTHORITY'S SPECIFICATIONS.
6. GRAVEL AND PAVED DRIVEWAYS TO BE RESTORED IN KIND WITH MINIMUM REQUIREMENTS AS INDICATED ON SHEET W3 OF THE AUTHORITY'S SPECIFICATIONS.
7. CLASS A BEDDING MATERIAL SHALL CONSIST OF AASHTO NO.8 STONE.

TRENCH DETAILS
N.T.S.

MAINTENANCE AND PROTECTION OF TRAFFIC (MPT) NOTES

1. This work consists of the maintenance and protection of traffic and the protection of the public when approaching and departing the construction area and within the limits of construction.
2. Furnish, erect, place and maintain traffic control signs and devices. Maintain traffic during hours of construction and at all other times consistent with the methods indicated on these drawings and the following:
   1. The Special Provisions of the Contract
   2. PennDOT Publication 35; Approved Construction Materials (bulletin 15)
   2. PennDOT Publication 46; Traffic Engineering Manual
   3. PennDOT Publication 72M;Standards for Roadway Construction
   4. PennDOT Publication 111; Pavement Markings and Signing Standards
   5. PennDOT Publication 212; Official Traffic Control Devices
   6. PennDOT Publication 213; Temporary Traffic Control Guidelines
   7. PennDOT Publication 236; Handbook of Approved Signs
   8. PennDOT Publication 408; Specifications - April 10, 2020
   9. Manual on Uniformed Traffic Control devices: MUTCD, Current Edition.
3. Remove these devices immediately upon completion of the work. PennDOT will remove any traffic control devices erected by department forces.
4. Permittee must arrange for inspection of all traffic control devices prior to start of work.
5. Restore all travel lanes to normal traffic flow and cover or remove all conflicting signs and eradicate all conflicting pavement markings and replace upon completion of work.
6. mount all long-term advance warning sings on type III barricades unless otherwise noted or instructed by district office.
7. All signs and devices to be maintained in new or like new condition.
8. Driveways will be kept accessible at all times. locate all signs so that sight distances will not be obstructed at driveways and local roads.
9. All channelizing devices, barricades, and signs shall have type III or better prismatic retroreflective sheeting. Sheeting shall approved and listed in PennDOT publication 35 (Bulletin 15).
10. No traffic restrictions or lane closures are permitted between 6:00 AM and 9:00 AM and between 3:00 PM and 6:00 PM Mondays through Fridays or on legal holidays and weekends associated with legal holidays. all restrictions and closures are to be removed by noon on the day prior to the legal holiday.
11. Permittee shall notify local emergency authorities (E.G., police, fire, medical), affected businesses, school district(s), the general public, the district permit manager and the district APRAS coordinator at least fourteen days prior to any significant traffic impacts (E.G., lateral width restrictions less than 16 feet, detours).
12. Maintenance and protection of traffic during construction shall be in accordance with applicable PATA drawing(s) 102, 103,107, and 202 in the current PennDOT Publication 213, "Temporary Traffic Control Guidelines"
13. Drop offs created by construction operations shall be treated consistent with publication 408, section 901.3(J).
14. Remove all short-term work zone traffic control signing upon completion of that day's work period.
15. Restricting traffic flow within the work area shall be minimized to prevent traffic congestion and unsafe traffic conditions.
16. Notify the local municipality where signalized intersections fall within the work zone. Do not flag a signalized intersection without the municipality placing the signal on flash.
17. The contractor shall comply with Act 229 of December 2002 during construction activities within PennDOT's Right-of-Way.
18. The Inspector-in-Charge will inspect all traffic control devices prior to the start of work and periodically during the life of the project.
19. Notify the Inspector-in-Charge at least two weeks prior to modifying the traffic control plan. Any modifications must be approved by the district prior to putting the change into operation.
20. All work is to be preformed within the legal Right-of-Way
21. All advance warning signs and channelizing devices may be adjusted back or forward due to intersecting streets, driveways, ETC. and/or as field conditions dictate.
22. Protect any excavating obstructions or construction work, so as not to expose pedestrians to hazards.

GENERAL NOTES

1. Contractor shall refer to the approved Land Development Plan for "Lands of Timothy Dailey" for construction details and related references not shown hereon.
2. The existing speed limit on S.R. 3013 (S. 28th Street) is 35 M.P.H.
3. The legal Right-of-Way width is 50 ft.
4. All work in PA state highway Right-of-Way is to be performed consistent with the following:
   - PennDOT publication 13M, Design Manual part 2 - Highway Design
   - PennDOT publication 34, Approved Aggregate Producers (bulletin 14)
   - PennDOT publication 35, Approved Construction Materials (bulletin 15)
   - PennDOT publication 41, Producers of Bituminous Materials (bulletin 41)
   - PennDOT publication 42, Producers of ready-mix concrete (bulletin 42)
   - PennDOT publication 46, Traffic Engineering Manual
   - PennDOT publication 72M, Standards for Roadway Construction
   - PennDOT publication 111, Pavement Markings and Signing Standards
   - PennDOT publication 212, Official Traffic Control Devices
   - PennDOT publication 213, Temporary Traffic Control Guidelines
   - PennDOT publication 408, Specifications
5. Details, other than those indicated are on the following standard drawings:
   - RC-10M - Classification of earth work - June 1,2010
   - RC-13M - Pay Limit of Subbase - June 1, 2010
   - RC-25M - Shoulders - February 8, 2019
   - RC-28M - Overlay Transitions and Paving Notches - February 8, 2019
   - TC-8600 - Pavement Markings - June 13, 2013
6. PA state highway Right-of-Way may not be used for parking.
7. Permittee is responsible for maintenance of all authorized structures, facilities and drainage.
8. Permittee is responsible for maintenance of all authorized signs and pavement markings.
9. Contact Pennsylvania One - Call (1-800-242-1776) three working days before excavation or demolition work, Serial number : ________ for Greencastle Borough.
10. This permit may be restricted on working hours and times for holidays, weekends, and special or unforeseen events and will require approval from the county office prior to working during these periods.
11. Material certification must be provided, by an approved manufacturer listed in the department's publication 35 (Bulletin 15), for all materials and structures within PENNDOT Right-of-Way.
12. The Permittee is responsible for the coordination of relocating any conflicting utilities which are a result of these improvements.
13. All utility relocation permits take precedence over the utility relocation positions shown on the HOP plans.
14. Public utilities list in accordance with Act 287-1974. The Contractor shall notify the following utilities or agencies at least five (5) days before starting work shown on these drawings (provide current name and phone numbers for each entity):

PA One Call System	(800) 242-1776
Greencastle Borough	(717) 597-7143

15. The contractor shall be responsible for properly back filling and compacting all trenches, no trenches shall be left open after completion of work for the day. All construction areas shall be kept in a condition that allows for safe movement of both vehicular and pedestrian traffic. Any excess material from trenching shall be delivered to a lawful site location by the contractor at their own expense.
16. The contractor is solely responsible for verifying the accuracy of the existing topographic information provided in these plans. The contractor should contact the engineer before proceeding with construction of there are any discrepancies between the field conditions and the topographic information shown on the plans.

PIPELINE AND UTILITY LINE EROSION AND SEDIMENT CONTROL NOTES

1. All excavated material must be placed on the high side of trench. Excess material shall be hauled away to a site with an approved Erosion and Sediment Control Plan.
2. All Erosion & Sediment Control measures that are disturbed/damaged shall be repaired the same day.
3. The total length of excavated trench open at any one time should not be greater than the total length of pipeline/utility line that can be placed in the trench and back-filled in one working day.
4. No more than 50 linear feet of open trench should exist when pipeline/utility line installation ceases at the end of the workday.
5. Soil supplements, seed and mulch shall be applied within seven days after the pipeline/utility line is installed.
6. Erosion & Sediment Control devices shall be inspected daily and maintained in working condition.

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER JUSTIN DOTY No. PE080613
03/27/2026

Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional under the laws of the State of Pennsylvania License # PE080613 Expiration Date 09/30/2027

FSA FREDERICK, SEIBERT & ASSOCIATES, INC. © 2026 fsa-inc.com
CIVIL ENGINEERS • SURVEYORS • LANDSCAPE ARCHITECTS • LAND PLANNERS
128 SOUTH POTOMAC STREET HAGERSTOWN, MD 21740 301.791.3650
111-1/2 WILLIAMSPORT PIKE GREENCASTLE, PA 17225 717.597.1007
505 SOUTH HANOVER STREET CARLISLE, PA 17013 717.701.8111
15 EAST MAIN STREET NEW BLOOMFIELD, PA 17068 717.275.7531

MARK	DESCRIPTION	DATE

TOWN HALL PLAZA
SITUATED ON THE SOUTHWEST CORNER OF EAST BALTIMORE STREET & WASHINGTON STREET
GREENCASTLE, PENNSYLVANIA
FRANKLIN COUNTY, PENNSYLVANIA
BOROUGH OF GREENCASTLE
60 N. WASHINGTON STREET, GREENCASTLE

PROJECT NO. 2023-0312
DWN BY MJE DATE 03-17-2026
PROJECT MANAGER: JUSTIN DOTY
EMAIL: jdoty@fsa-inc.com
PROPERTY INFORMATION 08-2B29,-041,-EX0
SCALE 1" = 10'
SHEET TITLE UTILITY HOP PLAN
C-101
SHEET 01 OF 01

P:\SHARED FOLDERS\PROJECTS 2023\2023-0312\DRAWINGS\2023-0312 UTILITY HOP.DWG 2026-03-17

HIGHWAY OCCUPANCY PERMIT PLANS

for

TOWN HALL PLAZA

SITUATED ON THE SOUTHWEST CORNER OF
EAST BALTIMORE STREET (S.R. 0016) & WASHINGTON STREET (S.R. 2001)
GREENCASTLE BOROUGH
FRANKLIN COUNTY

OWNER/DEVELOPER:
GREENCASTLE BOROUGH
C/O EMILEE LITTLE, BOROUGH MANAGER
60 NORTH WASHINGTON STREET
GREENCASTLE, PA 17225
EMAIL: elittle@greencastlepa.gov
PHONE: (717) 597-7143

FROM S.R. 0016, SEG 0360 OFFSET 1492 TO SEG 0360 OFFSET 1605
&
FROM S.R. 2001, SEG 0030 OFFSET 2089 TO SEG 0030 OFFSET 2212

HOP APPLICATION NUMBER: # 403857

GENERAL NOTES

1. The purpose of this plan is to make improvements to an abandoned lot at the intersection of E Baltimore St (S.R. 0016) and Washington Street (S.R. 2001), improvements include new sidewalk and a new curb ramp.
2. Field surveys were performed by Frederick, Seibert, and Associates in February 2024, and all bearings shown hereon are in the State Plane Coordinate System, PA South Zone, North American Datum OF 1983 (NAD83).
3. Topographic information shown hereon is derived from field surveys performed by Frederick Seibert and Associates in February 2024, and is on the North American Vertical Datum OF 1988 (NAVD88).
4. This parcel does not lie within the mapped 100 year flood plain, as graphically shown on FEMA Flood Insurance Rate Map, Community Panel NO.42075C0277E, Effective 07-08-2020, *https://www.fema.gov/flood-maps/national-flood-hazard-layer*. No detailed flood study was performed by Frederick, Seibert, and Associates, Inc.
5. According to the US Fish & Wildlife Service National Wetlands Inventory, wetlands are not present on this site. *https://www.fws.gov/wetlands/data/Mapper.html*
6. FSA, Inc. assumes no liability for the location of any above ground and below ground utilities. Existing utilities are shown from the best available information. Contractor to field verify location and depth of all above and below ground utilities prior to construction.
7. This plan was prepared without the benefit of a title report.
8. Any damage to adjoining public roads, utilities, etc. during construction will be repaired in kind by the contractor.
9. No subsurface investigation has been performed by Frederick, Seibert and Associates, Inc. to determine ground water, rock, sinkholes or any other natural or man-made existing features.
10. The contractor shall locate existing utilities in advance of construction operations.
11. The contractor shall take all necessary precautions to protect the existing utilities and to maintain uninterrupted service. Any damage incurred due to the contractor's operation shall be repaired immediately at the contractor's expense. Contractor to use caution in areas where low hanging wires exist.
12. The contractor is responsible for the coordination of relocating any conflicting utilities which are a result of these improvements.
13. All utilities shall be cleared by a minimum of 18". All utility poles shall be cleared by a minimum of 2'-0" or tunneled if required. Contractor shall coordinate with utility pole owner prior to trenching adjacent to existing utility poles.
14. The Contractor shall notify the following utilities or agencies at least five (5) days before starting work shown on these drawings.

PA One Call System	**(800) 242-1776**
Borough of Greencastle	**(717) 597-7143**

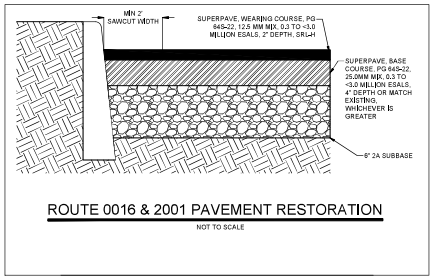
15. The contractor shall be responsible for coordination of his construction with the construction of other contractors.
16. The contractor shall notify the Engineer, before construction, of any conflicts between the plans and actual field conditions.
17. The contractor shall protect all utilities and culvert pipes during construction by insuring proper cover, increasing cover, or constructing roadway and parking through base course before loading site with heavy vehicles.
18. Job site safety is the sole responsibility of the contractor. The Contractor shall perform all excavation in accordance with O.S.H.A. Regulations for trench safety.
19. The contractor shall be aware that in the event of discrepancy between scaled and figured dimensions shown on the plan, the figured dimensions shall govern.
20. It shall be distinctly understood that failure to mention specifically any work which would naturally be required to complete the project shall not relieve the contractor of his responsibility to complete such work.
21. Contractor may be required to adjust all top of inlet elevations ±6" (per engineers direction) from the design grades shown on these drawings at no additional cost to the contract.
22. Property lines and building have been overlaid from existing tax maps and may not be accurate. They are to be used for general location only.
23. Construct project in accordance with borough of Greencastle Standards & Specifications.
24. Horizontal control is based on straight-line diagrams and the Pennsylvania State Plane Coordinate System (South zone) North American datum (NAD) 1983 (CORS).
25. All work contemplated on this project is confined within the existing highway right of way.
26. Do not interfere with the operation of any fire hydrant, fire call box or police call box.
27. The speed limit of S.R. 0209 is 25 M.P.H.
28. The Right-Of-Way is free access.
29. All work in PA State Highway Right-Of-Way is to be performed consistent with the following:
    - 29.1. PennDOT Pub 13M, Design Manual Part 2 - Highway Design
    - 29.2. PennDOT Pub 34, Approved Aggregate Producers (Bulletin 14)
    - 29.3. PennDOT Pub 35, Approved construction Materials (Bulletin 15)
    - 29.4. PennDOT Pub 41, Producers of Bituminous Materials (Bulletin 41)
    - 29.5. PennDOT Pub 42, Producers of Ready-Mix Concrete (Bulletin 42)
    - 29.6. PennDOT Pub 46, Traffic Engineering Manual
    - 29.7. PennDOT Pub 72M, Standard for Roadway Construction
    - 29.8. PennDOT Pub 111, Pavement Markings and Signing Standards
    - 29.9. PennDOT Pub 212, Official Traffic Control Devices
    - 29.10. PennDOT Pub 213, Temporary Traffic Control Guidelines
    - 29.11. PennDOT Pub 408, Specifications
    - 29.12. PennDOT Pub 888, Stormwater Control Measures Manual
    - 29.13. PennDOT Pub 584, PennDOT Drainage Manual
30. PA State Highway Right-Of-Way may not be used for parking.
31. Permittee is responsible for maintenance of all authorized structures, facilities, and drainage.
32. Permittee is responsible for maintenance of all authorized signs and placement markings.
33. Contact Pennsylvania One-Call (1-800-242-1776) three working days prior to any excavation or demolition work to have all underground utilities marked in the work area.
34. This permit may be restricted on working hours and times for holidays, weekends, and special or unforeseen events and will require approval from the County Office prior to working during these periods.
35. The Permittee's Contractor shall sawcut and remove shoulder material as necessary to ensure the pavement replacement is adjacent to the full-depth pavement of the travel lane.
36. Final approval of the proposed sawcut location will be at the discretion of the inspector-in-charge and will be confirmed at the pre-construction meeting. If the sawcut must be located within a travel lane, it will be necessary to mill and overlay the travel lane to prevent a joint in a wheel path.
37. The proposed pavement section must be as indicated on the plan, or match the existing as found in the field, whichever is greater.
38. Prior to an overlay, bituminous or concrete base repair or joint replacement may be required. Repair/replacement will be atht he discretion of the inspector-in-charge.
39. All existing pavement markings which are no longer apropriate shall be eradicated by the Permittee. The Permittee shall place all required new pavement markings.
40. All pavement markings other than longitudinal lines to be hot thermoplastic (Penndot Pub, 111, TC-8600)
41. Match existing pavement markings at the limits of work.
42. Material certification must be provided, by an approved manufacturer listed in the department's Pub 35 (bulletin 15), for all materials and structures within PennDOT Right-Of-Way.
43. All proposed pedestrian facilities reflected on these plans, including those that are outside of PennDOT legal right-of-way, shall be constructed to comply with the requirements of the U.S. Access Board, Public Right-Of-Way Accessibility Guidelines (PROWAG) of the Accessibility Guidelines of Buildings and Facilities (ADAAG)
44. All slope measurements will be inspected/verified with a 2-foot mart level.
45. It is the responsibility of the Permittee to remove any debris and flush out all existing and new storm drainage facilities within the project limits at the completion of the construction.
46. Modifications to existing drainage structures may result in the need to replace the structure. Replacement will be at the discretion of the inspector-in-charge.
47. The Permittee is responsible for the coordination of relocating any conflicting utilities which are a result of these improvements.
48. Access signing and pavement markings authorized by the permit must be maintained by the Permittee.
49. All proposed pedestrian facilities reflected on these plans, that are outside of PennDOT legal right-of-way, shall be constructed to comply with the requirements of the U.S. Access Board, Public Right-Of-Way Accessibility Guidelines (PROWAG) of the Accessibility Guidelines of Buildings and Facilities (ADAAG). PennDOT Design Manual Part 2, Chapter 6, and PennDOT Standards for Roadway Construction (Publication 72M, RC-67M) provide guidance on ADA accessible design for pedestrian facilities and can be utilized for reference."
50. Any excavation done to the roadway shall be replaced in-kind with the existing paving sections. Refer to the Route 209 Pavement Restoration Detail.

MAINTENANCE AND PROTECTION OF TRAFFIC (MPT) NOTES

1. This work consists of the maintenance and protection of traffic and the protection of the public when approaching and departing the construction area and within the limits of construction.
2. Furnish, erect, place, and maintain traffic control signs and devices. Maintain traffic during hours of construction and at all other times consistent with the mehtods indicated on these drawings and the following:
    - 2.1. PennDOT Pub. 35
    - 2.2. PennDOT Pub. 46
    - 2.3. PennDOT Pub. 72M
    - 2.4. PennDOT Pub. 111
    - 2.5. PennDOT Pub. 212
    - 2.6. PennDOT Pub. 213
    - 2.7. PennDOT Pub. 236
    - 2.8. PennDOT Pub. 408
    - 2.9. MUTCD, latest PennDOT adopted edition
3. Remove these devices immediately upon completion of the work. PennDOT will remove any traffic control devices erected by Department Forces.
4. Permittee must arrange for inspection of all traffic control devices prior to start of work.
5. Cover or remove all conflicting signs and eradicate all conflicting pavement markings.
6. Mount all long-term advance warning signs on Type III barricades unless otherwise noted or instructed by District Office.
7. All signs and devices to be maintained in new or like new condition.
8. Driveways will be kept accessible at all times. Locate all signs so that sight distances will not be obstructed at driveways and local roads.
9. All channelizing devices, barricades, and signs shall have Type III or better prismatic retroreflective sheeting. Sheeting shall be approved and listed in PennDOT Pub, 35 (bulletin 15).
10. No Traffic restrictions or lane closures are permitted between 6:00 Am and 9:00 Am and between 3:00 PM and 6:00 PM Mondays through Fridays or on legal holidays and weekeds associated with legal holidays All restrictions and closures are to be removed by noon on the day prior to the legal holiday.
11. Permittee shall notify local emergency authorities, affected businesses, school districts, the general public, the district permit manager and the district APRAS coordinator at least 14 days prior to any significant traffic impacts.
12. Maintenance and protection of traffic during construction shall be in accordance with applicatble PATA drawings in the current PennDOT Pub, 213, "Temporary Traffic Control Guidelines".
13. Dropoffs created by construction operations shall be treated consistent with Pub, 408, Section 901.3(J).
14. Remove all short-term work zone traffic control signing upon completion of that day's work period.
15. Restricting traffic flow within the work area shall be minimized to prevent traffic congestion and unsafe traffic conditions.
16. The Contrator shall comply wth Act 229 of December 2002 during construction activities within PennDOT's Right-Of-Way.
17. No on-street parking is permitted within 75 feet of the proposed temporary crossings.

APPLICABLE PENNDOT STANDARDS

Pub 72 - RC-64M	Curbs and Gutters	December 18, 2024
Pub 72 - RC-67M	Curb Ramps and Sidewalks (Type 1 Curb Ramp)	December 18, 2024
Pub 213 - PATA 218	Sidewalk and Crosswalk Closure with Pedestrian Detour	April, 2022



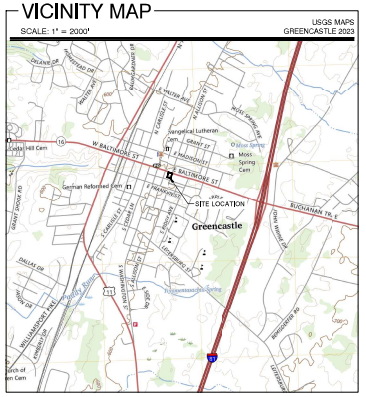
ROUTE 0016 & 2001 PAVEMENT RESTORATION

NOT TO SCALE

VICINITY MAP

SCALE: 1" = 2000'

USGS MAPS
GREENCASTLE 2023



SHEET INDEX

TYPE	NUMBER	TITLE
C-001	SHEET 01	COVER SHEET
C-101	SHEET 02	HOP PLAN

UNDER PENNDOT REVIEW

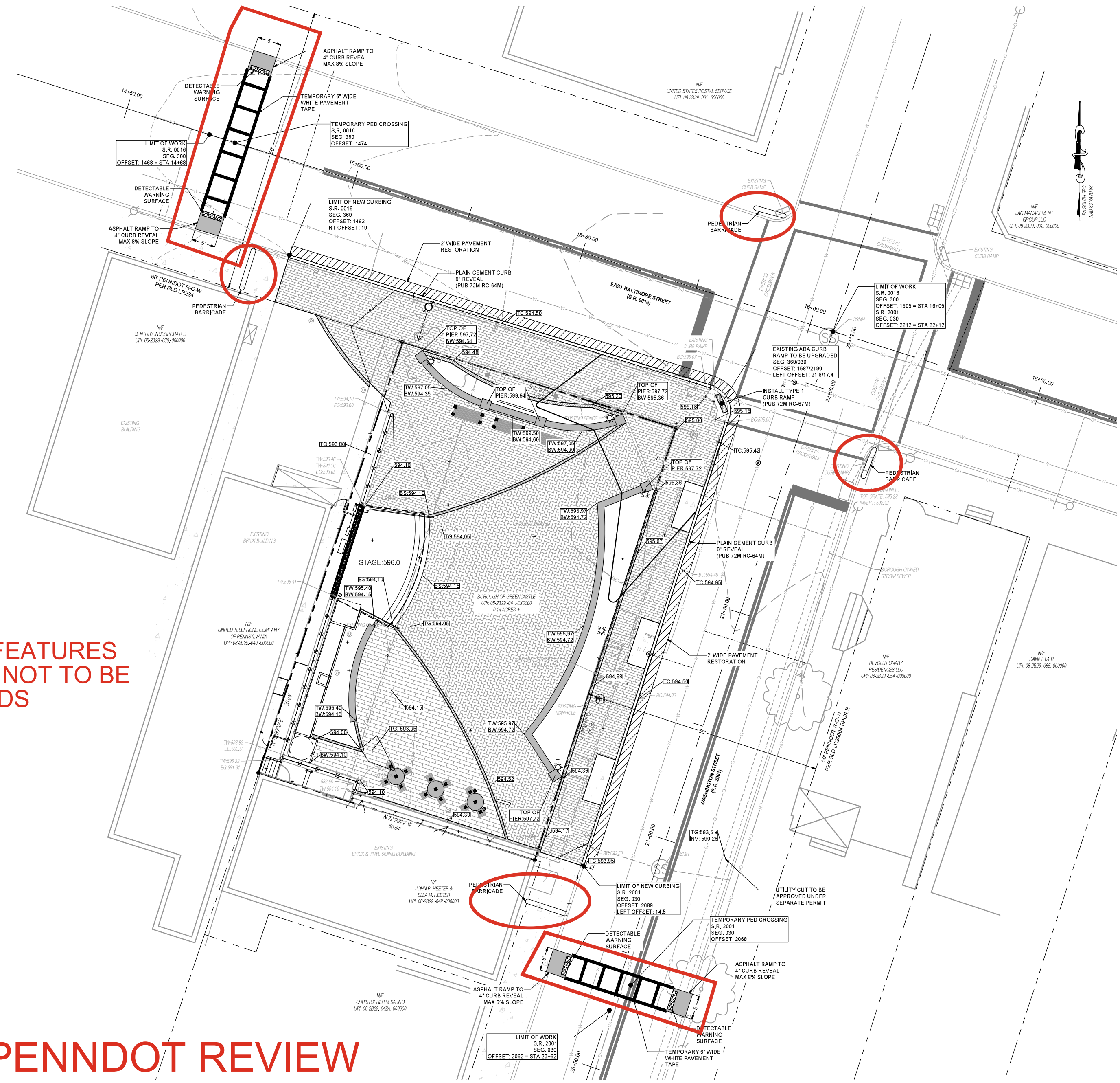
FSA
FREDERICK SEIBERT & ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • LANDSCAPE ARCHITECTS • LAND PLANNERS
fsa-inc.com

MARK	DESCRIPTION	DATE
	Resolve PennDOT Comments	04-24-2026

TOWN HALL PLAZA
SITUATED ON THE SOUTHWEST CORNER OF
EAST BALTIMORE STREET & WASHINGTON STREET
GREENCASTLE, PENNSYLVANIA
FRANKLIN COUNTY, PENNSYLVANIA
BOROUGH OF GREENCASTLE
60 N. WASHINGTON STREET, GREENCASTLE

PROJECT NO: 2023-0312
DRAWN BY: MJE
DATE: 6-17-2026
PROJECT MANAGER: JUSTIN DOTY
EMAIL: jdoty@fsa-inc.com
PROPERTY INFORMATION: 08-2S39-041,-EX0
SCALE: 1" = 10'
SHEET TITLE: MISC HOP PLAN

C-001
SHEET 01 OF 02



TEMPORARY FEATURES IN RED SHALL NOT TO BE INCLUDE IN BIDS

UNDER PENNDOT REVIEW

SCALE: 1" = 10'

Professional Certification:
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional under the laws of the State of Pennsylvania, License # PE060613, Expiration Date 09-30-2027

FSA
FREDERICK, SEIBERT & ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • LANDSCAPE ARCHITECTS • LAND PLANNERS
© 2026
fsa-inc.com

128 SOUTH POTOMAC STREET, HAGERSTOWN, MD 21740, 301.791.3650
11142 WILLIAMSPORT PIKE, GREENCASTLE, PA 17225, 717.597.1007
505 SOUTH HANOVER STREET, CARLISLE, PA 17013, 717.701.8111
15 EAST MAIN STREET, NEW BLOOMFIELD, PA 17068, 717.275.7531

MARK:	DESCRIPTION:	DATE:
	Revised per PennDOT Comments	6-17-2026

TOWN HALL PLAZA

SITUATED ON THE SOUTHWEST CORNER OF EAST BALTIMORE STREET & WASHINGTON STREET
GREENCASTLE, PENNSYLVANIA
FRANKLIN COUNTY, PENNSYLVANIA
BOROUGH OF GREENCASTLE
60 N. WASHINGTON STREET, GREENCASTLE

PROJECT NO. 2023-0312
DWN BY MJE
DATE 6-17-2026
PROJECT MANAGER: JUSTIN DOTY
EMAIL: jdoty@fsa-inc.com
PROPERTY INFORMATION 08-2B29.-041.-EX0
SCALE 1" = 10'
SHEET TITLE
MISC
HOP PLAN

C-101
SHEET 02 OF 02

P:\SHARED FOLDERS\PROJECTS\2023\2023-0312\DRAWINGS\2023-0312 MISC HOP.DWG 2026-06-17

DIVISION 04 - MASONRY
SECTION 042000
UNIT MASONRY

PART 1 GENERAL
1.01 SUBMITTALS
A. Product Data: Provide data for each type of product.
B. Samples: Submit four samples of facing brick units to illustrate color, texture, and color range. Submit color chart for sealant color selection.
1.02 QUALITY ASSURANCE
A. Comply with provisions of TMS 402/602, except where exceeded by requirements of Contract Documents.
1.03 MOCK-UPS
A. Construct a masonry wall as a mock-up panel sized 4 feet long by 4 feet high; include mortar, accessories, structural backup, and flashings (with lap joint, corner, and end dam) in mock-up.
B. Locate where directed.
PART 2 PRODUCTS
2.01 CONCRETE MASONRY UNITS
A. Concrete Block: Comply with referenced standards and as follows:
1. Size: Standard units with nominal face dimensions of 16 by 8 inches and nominal depths as indicated on drawings for specific locations. Provide bullnose units for outside corners.
2. Load-Bearing Units: ASTM C90, normal weight.
3. Nonloadbearing Units: ASTM C129.
2.02 BRICK UNITS
A. Facing Brick: ASTM C216, Type FBS Smooth, Grade SW.
1. Nominal size: Modular size 3-5/8 inches wide by 2-1/4 inches high by 7-5/8 inches long.
2. Basis of Design: [Plymouth] brick by Glen-Gery Brick.
2.03 MORTAR AND GROUT MATERIALS
A. Portland Cement: ASTM C150/C150M, Type I or II; color as required to produce approved color sample.
B. Hydrated Lime: ASTM C207, Type S.
C. Mortar Aggregate: ASTM C144.
D. Grout Aggregate: ASTM C404.
E. Pigments for Colored Mortar: Pure, concentrated mineral pigments specifically intended for mixing into mortar and complying with ASTM C979/C979M.
F. Water: Clean and potable.
G. Accelerating Admixture: Nonchloride type for use in cold weather.
2.04 REINFORCEMENT AND ANCHORAGE
A. Reinforcing Steel: ASTM A615/A615M, Grade 40 (40,000 psi), deformed billet bars; uncoated
B. Flexible Anchors: 2-piece anchors that permit differential movement between masonry and building frame, sized to provide not less than 5/8 inch of mortar coverage from masonry face.
C. Masonry Veneer Anchors: 2-piece anchors that permit differential movement between masonry veneer and structural backup, hot dip galvanized to ASTM A 153/A 153M, Class B.
2.05 FLASHINGS
A. Flashing Materials - Stainless Steel: York Manufacturing, Inc; York 304
B. Flashing Sealant/Adhesives: Type recommended by flashing manufacturer.
C. Termination Bars: Stainless steel; compatible with membrane and adhesives.
D. Drip Edge: Stainless steel; angled drip with hemmed edge.
E. Lap Sealants and Tapes: As recommended by flashing manufacturer.
2.06 ACCESSORIES
A. Control Joints: Backer rod and sealant;
1. Sealant Basis of Design: Sikaflex-2c NS EZ Mix by Sika USA: https://usa.sika.com/en/construction/adhesives-sealants/joint-sealants/architectural-sealants/polyurethane/sikaflex-2c-ns-ezmix.html
2. Color: As selected by Architect from full range of manufacturer's standard color options.
B. Joint Filler: Closed cell polyvinyl chloride; oversized 50 percent to joint width; self expanding.
C. Building Paper: ASTM D226/D226M, Type I ("No.15") asphalt felt.
D. Weeps: Type: Extruded propylene with honeycomb design.
2.07 LINTELS
A. Prefabricated Steel Lintels: Refer to Section 055000 - Metal Fabrications.
2.08 MORTAR AND GROUT MIXING
A. Mortar for Unit Masonry: ASTM C270, using the Proportion Specification.
1. Masonry below grade and exterior loadbearing : Type S.
2. Exterior, non-loadbearing masonry and interior loadbearing: Type N.
3. Interior, non-loadbearing masonry: Type O.
B. Colored Mortar: Proportion selected pigments and other ingredients to match Architect's sample, without exceeding manufacturer's recommended pigment-to-cement ratio.
C. Grout: ASTM C476; consistency required to fill completely volumes indicated for grouting; fine grout for spaces with smallest horizontal dimension of 2 inches or less; coarse grout for spaces with smallest horizontal dimension greater than 2 inches.
PART 3 EXECUTION
3.01 COLD AND HOT WEATHER REQUIREMENTS
A. Comply with requirements of TMS 402/602 or applicable building code, whichever is more stringent.
3.02 COURSING
A. Concrete Masonry Units: Running bond with concave mortar joints.
B. Brick Units: Running bond with concave mortar joints.
3.03 PLACING AND BONDING
A. Lay solid masonry units in full bed of mortar, with full head joints, uniformly jointed with other work.
B. Perform job site cutting of masonry units with proper tools to provide straight, clean, unchipped edges. Prevent broken masonry unit corners or edges.
3.04 REINFORCEMENT AND ANCHORAGE - GENERAL
A. Unless otherwise indicated on drawings or specified under specific wall type, install horizontal joint reinforcement 16 inches on center.
B. Place masonry joint reinforcement in first and second horizontal joints above and below openings. Extend minimum 16 inches each side of opening.
C. Place continuous joint reinforcement in first and second joint below top of walls.
D. Embed longitudinal wires of joint reinforcement in mortar joint with at least 5/8 inch mortar cover on each side.
E. Fasten anchors to structural framing and embed in masonry joints as masonry is laid. Space anchors at maximum of 36 inches horizontally and 24 inches vertically.
F. Embed ties and anchors in mortar joint and extend into masonry unit a minimum of 1-1/2 inches with at least 5/8 inch mortar cover to the outside face of the anchor.
3.05 MASONRY FLASHINGS
A. Whether or not specifically indicated, install masonry flashing to divert water to exterior at all locations where downward flow of water will be interrupted.
B. Install flashing in accordance with manufacturer's instructions and BIA Technical Notes No. 7.
C. Extend metal flashings through exterior face of masonry and terminate in an angled drip with hemmed edge. Install joint sealer below drip edge to prevent moisture migration under flashing.
3.06 LINTELS
A. Install loose steel lintels over openings.
3.07 GROUTED COMPONENTS
A. Place and consolidate grout fill without displacing reinforcing.

SECTION 047200
CAST STONE MASONRY

PART 1 GENERAL
1.01 SUBMITTALS
A. Product Data: Test results of cast stone components made previously by the manufacturer.
B. Shop Drawings: Include elevations, dimensions, layouts, profiles, cross sections, reinforcement, exposed faces, arrangement of joints, anchoring methods, anchors, and piece numbers.
C. Mortar Color Selection Samples.
D. Verification Samples: Pieces of *actual cast stone components* not less than 4" square, illustrating range of color and texture to be anticipated in components furnished for the project.
1.02 DELIVERY, STORAGE, AND HANDLING
A. Deliver cast stone components secured to shipping pallets and protected from damage and discoloration. Protect corners from damage.
PART 2 PRODUCTS
2.01 ARCHITECTURAL CAST STONE
A. Cast Stone: Architectural concrete product manufactured to simulate appearance of natural sandstone, complying with ASTM C1364.
1. Compressive Strength: As specified in ASTM C1364; calculate strength of pieces to be field cut at 80 percent of uncut piece.
2. Surface Texture: Fine grained texture, with no bugholes, air voids, or other surface blemishes visible from distance of 20 feet.
3. Color: Selected by Architect from manufacturer's full range.
B. Shapes: Provide shapes indicated on drawings.
C. Reinforcement: Provide reinforcement as required to withstand handling and structural stresses; comply with ACI CODE-318.
2.02 MATERIALS
A. Portland Cement: ASTM C150/C150M.
B. Coarse Aggregate: ASTM C33/C33M, except for gradation; granite, quartz, or limestone.
C. Fine Aggregate: ASTM C33/C33M, except for gradation; natural or manufactured sands.
D. Pigments: ASTM C979, inorganic iron oxides; do not use carbon black.
E. Admixtures: ASTM C494/C494M.
F. Water: Potable.
G. Reinforcing Bars: ASTM A615/A615M, Grade 40 (40,000 psi), deformed bars, galvanized.
1. Galvanized in accordance with ASTM A767/A767M, Class I.
2. Epoxy coated in accordance with ASTM A775/A775M.
H. Steel Welded Wire Reinforcement: ASTM A884/A884M, epoxy coated.
I. Embedded Anchors, Dowels, and Inserts: ASTM A123/A123M hot-dip galvanized steel, of type and size as required for conditions.
J. Shelf Angles and Similar Structural Items: Hot-dip galvanized steel per ASTM A123/A123M, of shapes and sizes as required for conditions.
K. Mortar: Portland cement-lime, as specified in Section 040511 ; do not use masonry cement.
2.03 ACCESSORIES
A. Silane Modified Polymer Construction Adhesive.
1. Compression Shear Strength, ASTM D3498.
2. VOC Content, ≤ 4.0% by weight (≤ 64 g/L).
3. Color: Grey.
4. Basis of Design: PL Premium Max by Loctite Brand; Henkel Corporation.
5. Installation: Install with care to ensure adhesive does not get on finished faces of construction materials.
B. Control Joints: Backer rod and sealant;
1. Sealant Basis of Design: Sikaflex-2c NS EZ Mix by Sika USA: https://usa.sika.com/en/construction/adhesives-sealants/joint-sealants/architectural-sealants/polyurethane/sikaflex-2c-ns-ezmix.html
2. Color: As selected by Architect from full range of manufacturer's standard color options.
PART 3 EXECUTION
3.01 INSTALLATION
A. Install in accordance with manufacturer's instructions.
B. Install cast stone components in conjunction with masonry, complying with requirements of Section 042000.
C. Mechanically anchor cast stone units indicated; set remainder in mortar.
D. Setting:
1. Drench cast stone components with clear, running water immediately before installation.
2. Set units in a full bed of mortar unless otherwise indicated.
3.02 TOLERANCES
A. Joints: Make all joints 3/8 inch, except as otherwise detailed.
1. Rake mortar joints 3/4 inch for pointing.
2. Leave the following joints open for sealant:
a. Head joints in top courses, including copings, parapets, cornices, sills, and steps.
b. Joints in projecting units.
3.03 REPAIR
A. Repair chips and other surface damage noticeable when viewed in direct daylight at 20 feet.
3.04 CLEANING
A. Keep cast stone components clean as work progresses.
B. Clean completed exposed cast stone after mortar is thoroughly set and cured.

DIVISION 05 - METALS
SECTION 055000
METAL FABRICATIONS

PART 1 GENERAL
1.01 SUBMITTALS
A. Shop Drawings: Indicate profiles, sizes, connection attachments, reinforcing, anchorage, size and type of fasteners, and accessories. Include details where applicable.
PART 2 PRODUCTS
2.01 MATERIALS - STEEL
A. Steel Sections: ASTM A36/A36M.
B. Steel Tubing: ASTM A501/A501M hot-formed structural tubing.
C. Plates: ASTM A283/A283M.
D. Bolts, Nuts, and Washers: ASTM A307, Grade A, plain.
E. Touch-Up Primer for Galvanized Surfaces: SSPC-Paint 20, Type I - Inorganic, complying with VOC limitations of authorities having jurisdiction.
2.02 FABRICATION
A. Fit and shop assemble items in largest practical sections, for delivery to site.
B. Fabricate items with joints tightly fitted and secured.
C. Grind exposed joints flush and smooth with adjacent finish surface. Make exposed joints butt tight, flush, and hairline. Ease exposed edges to small uniform radius.
2.03 FINISHES - STEEL
A. Galvanizing of Structural Steel Members: Galvanize after fabrication to ASTM A123/A123M requirements. Provide minimum 1.7 oz/sq ft galvanized coating.
PART 3 EXECUTION
3.01 INSTALLATION
A. Install items plumb and level, accurately fitted, free from distortion or defects.
B. Obtain approval prior to site cutting or making adjustments not scheduled.
3.02 TOLERANCES
A. Maximum Out-of-Position: 1/4 inch.

SECTION 055213
PIPE AND TUBE RAILINGS

PART 1 GENERAL
1.01 SUBMITTALS
A. Shop Drawings: Indicate profiles, sizes, connection attachments, anchorage, size and type of fasteners, and accessories.
1. Indicate welded connections using standard AWS A2.4 welding symbols. Indicate net weld lengths.
1.02 QUALITY ASSURANCE
A. Structural Designer Qualifications: Professional Structural Engineer experienced in design of this work and licensed in the State in which the Project is located, or personnel under direct supervision of such an engineer.
PART 2 PRODUCTS
2.01 RAILINGS - GENERAL REQUIREMENTS
A. Design, fabricate, and test railing assemblies in accordance with the most stringent requirements of applicable local code.
B. Distributed Loads: Design railing assembly, wall rails, and attachments to resist distributed force of 50 pounds per linear foot applied to the top of the assembly and in any direction, without damage or permanent set.
C. Concentrated Loads: Design railing assembly, wall rails, and attachments to resist a concentrated force of 200 pounds applied at any point on the top of the assembly and in any direction, without damage or permanent set.
D. Allow for expansion and contraction of members and building movement without damage to connections or members.
E. Dimensions: See drawings for configurations and heights.
F. Provide anchors and other components as required to attach to structure, made of same materials as railing components unless otherwise indicated; where exposed fasteners are unavoidable provide flush countersunk fasteners.
G. Provide welding fittings to join lengths, seal open ends, and conceal exposed mounting bolts and nuts, including but not limited to elbows, T-shapes, splice connectors, flanges, escutcheons, and wall brackets.
H. Welded and Brazed Joints: Make visible joints butt tight, flush, and hairline; use methods that avoid discoloration and damage of finish; grind smooth, polish, and restore to required finish.
2.02 ALUMINUM MATERIALS
A. Aluminum Pipe: Schedule 40; ASTM B429/B429M, ASTM B241/B241M, or ASTM B483/B483M.
B. Welding Fittings: No exposed fasteners; cast aluminum.
C. Finish: Class I Natural Anodized Finish: AAMA 611 AA-M12C22A41 Clear anodic coating not less than 0.7 mils thick.
D. Finish: High Performance Organic Coating System: AAMA 2604 multiple coat, thermally cured fluoropolymer system. Color to be selected by Architect.
PART 3 EXECUTION
3.01 INSTALLATION
A. Install in accordance with manufacturer's instructions.
B. Install components plumb and level, accurately fitted, free from distortion or defects, with tight joints.
C. Install railings in compliance with ADA Standards for accessible design at applicable locations.
D. Anchor railings securely to structure.

DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES
SECTION 061000
ROUGH CARPENTRY

PART 1 GENERAL
1.01 SUBMITTALS
A. Product Data: Provide technical data on wood preservative materials and fire-retardant treatment in accordance with ASTM D 5664.
PART 2 PRODUCTS
2.01 GENERAL REQUIREMENTS
A. Dimension Lumber: Comply with PS 20 and requirements of specified grading agencies.
2.02 DIMENSION LUMBER FOR CONCEALED APPLICATIONS
A. Grading Agency: Northeastern Lumber Manufacturers Association; NELMA (SGR).
B. Sizes: Nominal sizes as indicated on drawings, S4S.
C. Moisture Content: S-dry or MC19.
D. Miscellaneous Framing, Blocking, Nailers, Grounds, and Furring:
1. Lumber: S4S, No. 2 or Standard Grade.
2. Boards: Standard or No. 3.
2.03 EXPOSED DIMENSION LUMBER
A. Grading Agency: Southern Pine Inspection Bureau, Inc; SPIB (GR).
B. Sizes: Nominal sizes as indicated on drawings.
C. Surfacing: S4S.
D. Moisture Content: S-dry or MC19.
2.04 ACCESSORIES
A. Fasteners and Anchors:
1. Metal and Finish: Hot-dipped galvanized steel complying with ASTM A153/A153M for high humidity and preservative-treated wood locations, unfinished steel elsewhere.
2.05 FACTORY WOOD TREATMENT
A. Treated Lumber and Plywood: Comply with requirements of AWPA U1 - Use Category System for wood treatments determined by use categories, expected service conditions, and specific applications.
1. Fire-Retardant Treated Wood: Mark each piece of wood with producer's stamp indicating compliance with specified requirements.
2. Preservative-Treated Wood: Provide lumber and plywood marked or stamped by an ALSC-accredited testing agency, certifying level and type of treatment in accordance with AWPA standards.
PART 3 EXECUTION
3.01 INSTALLATION - GENERAL
A. Select material sizes to minimize waste.
B. Where treated wood is used on interior, provide temporary ventilation during and immediately after installation sufficient to remove indoor air contaminants.
3.02 BLOCKING, NAILERS, AND SUPPORTS
A. Provide framing and blocking members as indicated or as required to support finishes, fixtures, specialty items, and trim.
B. In metal stud walls, provide continuous blocking around door and window openings for anchorage of frames, securely attached to stud framing.
C. In walls, provide blocking attached to studs as backing and support for wall-mounted items, unless item can be securely fastened to two or more studs or other method of support is explicitly indicated.
3.03 ROOF-RELATED CARPENTRY
A. Coordinate installation of roofing carpentry with deck construction, framing of roof openings, and roofing assembly installation.
B. Provide wood curb at each roof opening except where prefabricated curbs are specified and where specifically indicated otherwise; form corners by alternating lapping side members.
3.04 SITE APPLIED WOOD TREATMENT
A. Apply preservative treatment compatible with factory applied treatment at site-sawn cuts, complying with manufacturer's instructions.

DIVISION 07 - THERMAL AND MOISTURE PROTECTION
SECTION 074113
METAL ROOF PANELS

PART 1 GENERAL
1.01 SUBMITTALS
A. Product Data: Manufacturer's data sheets on each product to be used.
B. Shop Drawings: Include layouts of roof panels, details of edge and penetration conditions, spacing and type of connections, flashings, underlayments, and special conditions.
C. Verification Samples: For each roofing system specified, submit samples of minimum size 12 inches square, representing actual roofing metal, thickness, profile, color, and texture.
1.02 WARRANTY
A. Finish Warranty: Provide 5-year manufacturer warranty against excessive degradation of exterior finish. Include provision for replacement of units with excessive fading, chalking, or flaking. Complete forms in Owner's name and register with warrantor.
B. Special Warranty: Provide 2-year warranty for weathertightness of roofing system, including agreement to repair or replace metal roof panels that fail to keep out water commencing on the Date of Substantial Completion. Complete forms in Owner's name and register with warrantor.
PART 2 PRODUCTS
2.01 MANUFACTURERS
A. Architectural Metal Roof Panel Manufacturers:
1. Basis of Design: McElroy Metal; Max-Rib Exposed Fastener Panels with Galvalume Substrate: https://www.mcelroymetal.com/exposed-fastener-panels.
2.02 METAL ROOF PANELS
A. Metal Roof Panels: Provide complete engineered system complying with specified requirements and capable of remaining weathertight while withstanding anticipated movement of substrate and thermally induced movement of roofing system.
B. Metal Panels: Factory-formed panels with factory-applied finish.
1. Profile: Lapped seam, with integral sealant bead and exposed fastener system.
2. Texture: Smooth, with intermediate ribs for added stiffness.
3. Width: Maximum panel coverage of 36 inches.
2.03 ATTACHMENT SYSTEM
A. Exposed System: Provide manufacturer's recommended hot-dipped galvanized steel color-matched fasteners engineered to meet performance requirements and equipped with appropriate sealant separators to provide weathertight connections that will accommodate anticipated thermal movement. Use sealant and rubber washers as recommended by manufacturer for installation into wood roof decking.
2.04 FINISHES
A. Fluoropolymer Coil Coating System: Polyvinylidene fluoride (PVDF) multi-coat superior performing organic coatings system complying with AAMA 2605, including at least 70 percent PVDF resin, and at least 80 percent of coil coated metal surfaces having minimum total dry film thickness (DFT) of 0.9 mil, 0.0009 inch; color and gloss: Matte Black.
2.05 ACCESSORIES
A. Underlayment for Wood Substrate: Peel and Stick Ice and Water Shield.
1. Basis of Design: Epistik I&W Peel & Stick Roofing underlayment by Epilay: https://www.epilay.com/products/epistik-iw-peel-and-stick-roofing-underlayment.aspx
PART 3 EXECUTION
3.01 INSTALLATION
A. Overall: Install roofing system in accordance with approved shop drawings and metal roof panel manufacturer's instructions and recommendations, as applicable to specific project conditions; securely anchor components of roofing system in place allowing for thermal and structural movement.
B. Accessories: Install necessary components that are required for complete roofing assembly, including flashings, gutters, downspouts, trim, moldings, closure strips, preformed crickets, caps, equipment curbs, rib closures, ridge closures, and similar roof accessory items.

SECTION 076200
SHEET METAL FLASHING AND TRIM

PART 1 GENERAL
1.01 SUBMITTALS
A. Shop Drawings: Indicate material profile, jointing pattern, jointing details, fastening methods, flashings, terminations, and installation details.
PART 2 PRODUCTS
2.01 SHEET MATERIALS
A. Pre-Finished Aluminum: ASTM B209/B209M, 3005 alloy, H12 or H14 temper; 18 gauge, 0.040 inch thick; plain finish shop pre-coated with silicone modified polyester coating.
1. Fluoropolymer Coating: High performance organic powder coating, AAMA 2604; multiple coat, thermally cured fluoropolymer finish system.
2. Color: As selected by Architect from manufacturer's standard colors.
2.02 ACCESSORIES
A. Fasteners: Aluminum, with soft neoprene washers.
B. Primer Type: Zinc chromate.
C. Protective Backing Paint: Zinc molybdate alkyd.
D. Concealed Sealants: Non-curing butyl sealant.
E. Exposed Sealants: ASTM C920; elastomeric sealant, with minimum movement capability as recommended by manufacturer for substrates to be sealed; color to match adjacent material.
PART 3 EXECUTION
3.01 INSTALLATION
A. Secure flashings in place using concealed fasteners.
B. Seal metal joints watertight.
3.02 SCHEDULE
A. Through-Wall Flashing in Masonry:
1. Material: Stainless steel.
2. Thickness: 0.016 inch.
3. Finish: Brushed.
B. Fascia and Cornices: 0.040 inch thick aluminum.
C. Coping, Cap, Parapet, Sill and Ledge Flashings: 0.050 inch thick aluminum.
D. Flashings Associated with Metal Roof Panels:
1. Eave, Gutter Edge, Gable Edge: 0.032 inch thick aluminum.
2. Valley, Hip, Ridge, Chimney: 0.040 inch thick aluminum.
3. Finish: Match color and gloss of Metal Roof Panels.

SECTION 077123
MANUFACTURED GUTTERS AND DOWNSPOUTS

PART 1 GENERAL
1.01 SUBMITTALS
A. Product Data: Provide data on prefabricated components.
B. Shop Drawings: Indicate locations, configurations, jointing methods, fastening methods, locations, and installation details.
PART 2 PRODUCTS
2.01 MATERIALS
A. Pre-Finished Aluminum Sheet: ASTM B209/B209M.
1. Finish: Plain, shop pre-coated with modified silicone coating.
2. Thickness:
a. Girth up to 15 inches: 0.032 inches.
b. Girth 16 to 20 inches: 0.040 inches.
3. Color: To match Sheet metal flashing and trim associated with Metal Roof Panels.
2.02 COMPONENTS
A. Gutters: SMACNA K-style profile.
B. Downspouts: CDA rectangular profile.
C. Anchors and Supports: Profiled to suit gutters and downspouts.
D. Fasteners: Galvanized steel, with soft neoprene washers.
2.03 FINISHES
A. Fluoropolymer Coating: High Performance Organic Finish, AAMA 2604, multiple coat, thermally cured fluoropolymer finish system; color as selected from manufacturer's standard colors.
2.04 ACCESSORIES
A. Downspout Boots: Smooth interior without boxed corners or choke points; include integral lug slots and on-body cleanout and cover with neoprene gaskets.
1. Configuration: Angular.
2. Material: Cast iron ASTM A48/A48M; casting thickness 3/8 inch (9.5 mm), minimum.
3. Finish: Manufacturer's standard factory applied powder coat finish.
4. Color: To be selected by Architect from manufacturer's standard range.
5. Accessories: Manufacturer's standard stainless steel fasteners, stainless steel building wall anchors, and rubber coupling.
PART 3 EXECUTION
3.01 INSTALLATION
A. Install gutters, downspouts, and accessories in accordance with manufacturer's instructions.
B. Sheet Metal: Join lengths with formed seams sealed watertight. Flash and seal gutters to downspouts and accessories.

SECTION 077200
ROOF ACCESSORIES

PART 1 GENERAL
1.01 SUBMITTALS
A. Product Data: Manufacturer's data sheets on each product to be used.
1.02 WARRANTY
A. Manufacturer Warranty: Provide 2-year manufacturer warranty for each component. Complete forms in Owner's name and register with manufacturer.
PART 2 PRODUCTS
2.01 SNOW GUARDS
A. Fence Type Snow Guard: Continuous snow guard; manufacturer's standard pipe, bar, channel, or solid rod, set in brackets or posts, with optional plates and metal trim to match roof.
1. Extruded Aluminum Channel: Manufacturer's standard shape; with slot for insertion of metal trim matching roof.
2. Fasteners and support components as recommended by manufacturer for installation on specified roof panels.
3. Basis of Design: McElroy Metal; S-5! Color GuardSnow Retention: https://www.mcelroymetal.com/metal-roofing-accessories/snow-retention-systems
4. Finish color to match roof panels.
PART 3 EXECUTION
3.01 INSTALLATION
A. Install in accordance with manufacturer's instructions, in manner that maintains roofing system weather-tight integrity.

Professional Certification
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional under the laws of the State of PENNSYLVANIA, License # RA015117B
Expiration Date 8/31/27

FREDERICK, SEIBERT & ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • LANDSCAPE ARCHITECTS • LAND PLANNERS
fsa-inc.com
M&A Matonak & Associates STRUCTURAL ENGINEERS
© 2026

TOWN HALL PLAZA
SITUATED ON THE SOUTHWEST CORNER OF EAST BALTIMORE STREET & WASHINGTON STREET
GREENCASTLE, PA
FRANKLIN COUNTY, PENNSYLVANIA
BOROUGH OF GREENCASTLE
60 N WASHINGTON ST., GREENCASTLE, PA 17225
717-597-7143

PROJECT NO. 24035.08
DWN BY CAD | DATE 09-22-2026
PROJECT MANAGER: Lauren Bennett
EMAIL: lbennett@noelkerhull.com
PROPERTY INFORMATION: UPI-082B29,-041,-EX0000
SCALE: AS INDICATED
SHEET TITLE: ARCHITECTURAL SPECIFICATIONS
A001

SECTION 079200
JOINT SEALANTS

PART 1 GENERAL

1.01 SUBMITTALS

A. Product Data: Submit manufacturer's technical datasheets for each product to be used.

B. Color Cards for Selection: Manufacturer's color cards showing standard colors available.

PART 2 PRODUCTS

2.01 JOINT SEALANT APPLICATIONS

A. Scope:
  1. Exterior Joints:
    a. Seal the following joints:
      1) Wall expansion and control joints.
      2) Joints between different exposed materials.
  2. Do Not Seal:
    a. Intentional weep holes in masonry.
    b. Joints indicated to be covered with expansion joint cover assemblies.
    c. Joints where sealant installation is specified in other sections.

B. Exterior Joints: Use nonsag nonstaining silicone sealant, unless otherwise indicated.
  1. Control and Expansion Joints in Concrete Paving: Self-leveling polyurethane traffic-grade sealant.

2.02 ACCESSORIES

A. Sealant backing materials and bond breakers as required for conditions encountered.

B. Primers: Type recommended by sealant manufacturer to suit application; nonstaining.

PART 3 EXECUTION

3.01 INSTALLATION

A. Install this work in accordance with sealant manufacturer's requirements for preparation of surfaces and material installation instructions.

B. Provide joint sealant installations complying with ASTM C1193.

C. Install acoustical sealant application work in accordance with ASTM C919.

DIVISION 09 - FINISHES
SECTION 099000
PAINTING

PART 1 GENERAL

1.01 SUBMITTALS

A. Product Data: For each type of paint.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Basis of Design Products: Subject to compliance with requirements, provide Sherwin-Williams Company (The) products indicated; www.sherwin-williams.com/#sle.

2.02 PAINT SYSTEMS - EXTERIOR

A. Masonry: Concrete masonry units (CMU), cinder or concrete block.
  1. Latex Systems:
    a. Satin Finish:
      1) 1st Coat: Sherwin-Williams PrepRite Block Filler, B25W25: www.sherwin-williams.com/#sle.
      2) 2nd and 3rd Coat: Sherwin-Williams A-100 Exterior Latex Satin, A82 Series: www.sherwin-williams.com/#sle.
  2. Elastomeric System:
    a. Flat Finish:
      1) 1st Coat: Sherwin-Williams Loxon BlockSurfacer, A24W00200: www.sherwin-williams.com/#sle.
      2) 2nd and 3rd Coat: Sherwin-Williams ConFlex XL Elastomeric High Build Coating, CF11W50: www.sherwin-williams.com/#sle.

B. Metal: Aluminum, galvanized.
  1. Alkyd Systems, Water Based:
    a. Low Sheen Finish:
      1) 1st Coat: Sherwin-Williams Pro Industrial Pro-Cryl Universal Primer, B66-1310 Series: www.sherwin-williams.com/#sle.
      2) 2nd and 3rd Coat: Sherwin-Williams Pro Industrial Water Based Alkyd Urethane Enamel Low Sheen, B53-1250 Series: www.sherwin-williams.com/#sle.

C. Metal, Miscellaneous: Iron, ornamental iron, structural iron and steel, ferrous metal.
  1. Alkyd Systems, Water Based:
    a. Low Sheen Finish:
      1) 1st Coat: Sherwin-Williams Pro Industrial Pro-Cryl Universal Primer, B66-1310 Series.
      2) 2nd and 3rd Coat: Sherwin-Williams Pro Industrial Water Based Alkyd Urethane Enamel Low Sheen, B53-1250 Series.

PART 3 EXECUTION

3.01 APPLICATION

A. Apply products in accordance with manufacturer's written instructions.

B. Apply coatings at spread rate required to achieve manufacturer's recommended dry film thickness.

C. Regardless of number of coats specified, apply additional coats until complete hide is achieved.

SECTION 099300
STAINING AND TRANSPARENT FINISHING

PART 1 GENERAL

1.01 SUBMITTALS

A. Product Data: Provide complete list of products to be used, with the following information for each:
  1. Manufacturer's name, product name and catalog number, and general product category.

B. Samples: Two samples on actual wood substrate to be finished, 4 by 4 inch in size, indicating selected colors and sheens for each system.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Basis of Design Products: Subject to compliance with requirements, provide Minwax Company (The) products indicated; https://www.minwax.com/en.

2.02 STAINS AND TRANSPARENT FINISHES - GENERAL

A. Finishes:
  1. Provide finishes capable of being readily and uniformly dispersed to a homogeneous coating, with good flow and brushing properties, and capable of drying or curing free of streaks or sags.
  2. Provide materials compatible with one another and the substrates indicated under conditions of service and application, as demonstrated by manufacturer based on testing and field experience.
  3. Supply each finish material in quantity required to complete entire project's work from a single production run.
  4. Do not reduce, thin, or dilute finishes or add materials unless such procedure is specifically described in manufacturer's product instructions.

2.03 EXTERIOR STAIN AND TRANSPARENT FINISH SYSTEMS

A. Finish on Wood:
  1. 2-coat stain.
  2. 1-coat sealer.
  3. Stain: Exterior semi-transparent stain for wood, water based.
    a. Color: To be determined by Architect.
  4. Top Coat: Exterior clear water based varnish with UV inhibitor; Helmsman Indoor/Outdoor Spar Urethane.
  5. Top Coat Sheen:
    a. Satin: MPI gloss level 4; use this sheen at all locations.

PART 3 EXECUTION

3.01 APPLICATION

A. Apply products in accordance with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual".

B. Do not apply finishes to surfaces that are not dry. Allow applied coats to dry before next coat is applied.

C. Apply each coat to uniform appearance in thicknesses specified by manufacturer.

DIVISION 10 - SPECIALTIES
SECTION 101419
DIMENSIONAL LETTER SIGNAGE

PART 1 GENERAL

1.01 SUBMITTALS

A. Product Data: Manufacturer's product literature for each type of dimensional letter sign, indicating style, font, colors, locations, and overall dimensions of each sign.

PART 2 PRODUCTS

2.01 REGULATORY REQUIREMENTS

A. Accessibility Requirements: Comply with ADA Standards and ICC A117.1 and applicable building codes, unless otherwise indicated; in the event of conflicting requirements, comply with the most restrictive requirements.

2.02 DIMENSIONAL LETTERS

A. Metal Letters:
  1. Material: Aluminum casting.
  2. Thickness: 1/8 inch minimum.
  3. Letter Height: _____ inches.
  4. Text and Typeface:
    a. Character Font: Times or other serif font.
  5. Finish: Matte Black.
  6. Color: As selected.
  7. Mounting: Concealed screws.

2.03 ACCESSORIES

A. Concealed Screws: Noncorroding metal; stainless steel.

PART 3 EXECUTION

3.01 INSTALLATION

A. Install in accordance with manufacturer's instructions.

B. Install with horizontal edges level.

C. Locate dimensional letter signs and mount at heights indicated on drawings and in accordance with ADA Standards and ICC A117.1.

D. Protect from damage until Substantial Completion; repair or replace damaged items.

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional under the laws of the State of PENNSYLVANIA, License # RA-015117-B, Expiration Date 6/30/27

FREDERICK, SEIBERT & ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • LANDSCAPE ARCHITECTS • LAND PLANNERS
fsa-inc.com

© 2026

ARCHITECT
NOELKER AND HULL ASSOCIATES, INC.

STRUCTURAL ENGINEER
M&A Maronak & Associates STRUCTURAL ENGINEERS

MARK	DESCRIPTION	DATE

TOWN HALL PLAZA

SITUATED ON THE SOUTHWEST CORNER OF
EAST BALTIMORE STREET & WASHINGTON STREET
GREENCASTLE, PA
FRANKLIN COUNTY, PENNSYLVANIA

BOROUGH OF GREENCASTLE
60 N WASHINGTON ST., GREENCASTLE, PA 17225
717-597-7143

PROJECT NO.	24035.06
DWN BY	CAD
DATE	09-22-2026
PROJECT MANAGER	Lauren Bennett
EMAIL	lbennett@noelkerhull.com
PROPERTY INFORMATION	UPI-082B29,-041,-EX0000
SCALE	AS INDICATED
SHEET TITLE	ARCHITECTURAL SPECIFICATIONS

A002

LIST OF ABBREVIATIONS

\# POUND OR NUMBER
& AND
@ AT

A
ABV ABOVE
ACC ACCESSIBLE
ACS ACCESS
ADDL ADDITIONAL
ADJ ADJUSTABLE
AFF ABOVE FINISHED FLOOR
ALT ALTERNATE
ALUM ALUMINUM
APPROX APPROXIMATE(LY)
ARCH ARCHITECTURAL
AUTO AUTOMATIC
AVG AVERAGE
AW ARCHITECTURAL WOODWORK
AWI ARCHITECTURAL WOODWORK INSITUTE

B
BD BOARD
BLDG BUILDING
BLK BLOCK
BLKG BLOCKING
BLKHD BULKHEAD
BLW BELOW
BM BENCHMARK OR BEAM
BOT BOTTOM
BRG BEARING
BRKT BRACKET
BTWN BETWEEN

C
CD CONSTRUCTION DOCUMENT
CFLG COUNTERFLASHING
CIP CAST IN PLACE
CIRC CIRCULAR
CJ CONTROL JOINT
CL CENTERLINE
CLDG CLADDING
CLL CONTRACT LIMIT LINE
CLR CLEAR
CMU CONCRETE MASONRY UNIT
CO CLEAR OPENING OR CLEANOUT
COL COLUMN
CONC CONCRETE
CONN CONNECT(ION)
CONSTR CONSTRUCTION
CONT CONTINUOUS
COORD COORDINATE
CR CRASH RAIL
CS CAST STONE
CSK COUNTERSINK OR COUNTERSUNK
CTR CENTER

D
DBL DOUBLE
DEG DEGREE
DEMO DEMOLITION
DET DETAIL
DIA DIAMETER
DIAG DIAGONAL(LY)
DIM DIMENSION
DIV DIVIDE(D) OR DIVISION
DM DECORATIVE METAL
DMPF DAMPPROOF
DN DOWN
DR DOOR
DS DOWNSPOUT
DWG DRAWING

E
E EAST
EA EACH
EC ELECTRICAL CONTRACTOR
EIFS EXTERIOR INSULATION FINISH SYSTEM
EL ELEVATION
ELEC ELECTRIC(AL)
EMER EMERGENCY
ENCL ENCLOSURE
ENGR ENGINEER
ENTR ENTRANCE
EOS EDGE OF SLAB
EP EPOXY PAINT
EPB ELECTRICAL PANEL BOARD
EQ EQUAL
EQUIP EQUIPMENT
ETR EXISTING TO REMAIN
EXP EXPANSION, EXPOSED, OR EXPANDED
EXST EXISTING
EXT EXTERIOR

F
F FAHRENHEIT
FA FIRE ALARM OR FABRIC
FD FLOOR DRAIN
FDC FIRE DEPARTMENT CONNECTION
FDN FOUNDATION
FDV FIRE DEPARTMENT VALVE
FE FIRE EXTINGUISHER
FEC FIRE EXTINGUISHER CABINET
FF FINISH FACE
FFE FIXTURES, FURNITURE, AND EQUIPMENT
FH FIRE HYDRANT
FHC FIRE HOSE CABINET
FIN FINISH
FLG FLOORING
FLR FLOOR
FOC FACE OF CONCRETE OR CURB
FOF FACE OF FINISH
FOM FACE OF MASONRY
FOS FACE OF STUD
FP FIRE PROOFED/PROOFING
FRT FIRE RETARDANT TREATED
FT FOOT OR FEET
FTG FOOTING
FURN FURNITURE

G
GA GAUGE
GALV GALVANIZED
GC GENERAL CONTRACTOR
GEN GENERAL OR GENERATOR
GFCMU GROUND FACE CONCRETE MASONRY UNIT
GL GLASS OR GLAZING
GND GROUND
GT GLASS TILE
GYP BD GYPSUM BOARD

H
H HIGH
HB HOSE BIBB
HC HOLLOW CORE
HCP HANDICAP
HDW HARDWARE
HDWD HARDWOOD
HORIZ HORIZONTAL
HR HOUR OR HANDRAIL

I
ID INSIDE DIMENSION, INSIDE DIAMETER, IDENTIFICATION, OR INTERIOR DESIGN
INSUL INSULATION OR INSULATED
INT INTERIOR

J
JST JOIST
JT JOINT

K

L
L LONG
LAM LAMINATE
LB(S) POUND(S)
LF LINEAR FOOT/FEET
LH LEFT HAND
LT LIGHT

M
MATL MATERIAL
MAX MAXIMUM
MC MECHANICAL CONTRACTOR
MECH MECHANICAL
MED MEDICAL OR MEDIUM
MEP MECHANICAL, ELECTRICAL AND PLUMBING
MFD MANUFACTURED
MFR MANUFACTURER
MH MANHOLE
MIN MINIMUM OR MINUTE
MISC MISCELLANEOUS
MO MASONRY OPENING
MOD MODIFIED
MR MOISTURE RESISTANT
MTD MOUNTED
MTG MOUNTING
MTL METAL
MWF MOLDED WOOD FIBER

N
N NORTH
NIC NOT IN CONTRACT
NO NUMBER
NOM NOMINAL
NTS NOT TO SCALE

O
OC ON CENTER
OD OUTSIDE DIAMETER OR OUTSIDE DIMENSION
OPH OPPOSITE HAND
OPNG OPENING
OPP OPPOSITE
OZ OUNCE

P
PC PLUMBING CONTRACTOR OR PIECE
PERF PERFORATE(D)
PERP PERPENDICULAR
PL PLATE OR PROPERTY LINE
PLYWD PLYWOOD
PNL PANEL
PNT PAINT
POL POLISHED
PR PAIR
PRCST PRECAST
PROJ PROJECT
PS PULL STATION
PSF POUNDS PER SQUARE FOOT
PSI POUNDS PER SQUARE INCH
PSTR PAINTED STRUCTURE
PTD PAINTED
PTN PARTITION
PVC POLYVINYL CHLORIDE

Q
QT QUARRY TILE OR QUART
QTY QUANTITY
QZ QUARTZ

R
R RISER
RCP REFLECTED CEILING PLAN
RD ROOF DRAIN OR ROUND
RECPT RECEPTACLE
REF REFER(ENCE)
REINF REINFORCEMENT OR REINFORCED
REQD REQUIRED
RET RETURN
REV REVISION OR REVERSE
RH RIGHT HAND
RLG RAILING
RM ROOM
RND ROUND
RO ROUGH OPENING

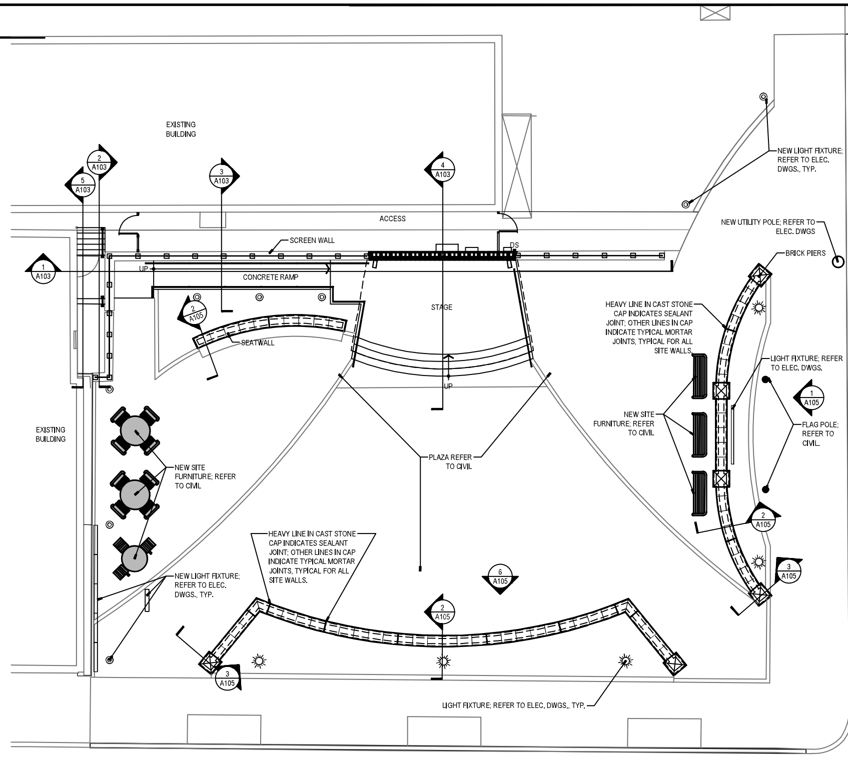
S
S SOUTH
SC SOLID CORE OR SPECIALTY COATING
SCHED SCHEDULE
SCONC SEALED CONCRETE
SE SPECIALTY EQUIPMENT
SECT SECTION
SF SQUARE FOOT/FEET
SGL SINGLE
SHT SHEET
SHTG SHEATHING
SIM SIMILAR
SOG SLAB ON GRADE
SPEC SPECIFICATION
SPKR SPEAKER
SQ SQUARE
SS SOLID SURFACE
SST STAINLESS STEEL
ST STAIR TREAD OR STREET
STA STATION
STD STANDARD
STL STEEL
STRUCT STRUCTURAL
SUSP SUSPENDED OR SUSPENSION
SYMM SYMMETRICAL
SYS SYSTEM

T
T TREAD
T&G TONGUE AND GROOVE
T.O. TOP OF
TA TOILET ACCESSORY
TEL TELEPHONE
TEMP TEMPORARY
TF THERMOFOIL
TG TEMPERED GLASS
THK THICK(NESS)
THRES THRESHOLD
TIG TEMPERED INSULATED GLASS
TP TOILET PARTITION
TV TELEVISION
TYP TYPICAL
TZ TERRAZZO

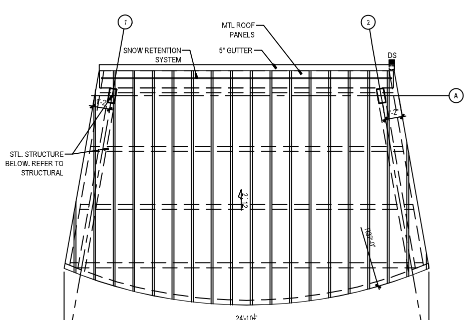
U
UC UNDERCOUNTER
UL UNDERWRITER LABORATORIES, INC.
UNFIN UNFINISHED
UOJ UNDERSIDE OF JOIST
UON UNLESS OTHERWISE NOTED
UTIL UTILITY

V
VB VINYL BASE OR VAPOR BARRIER
VCT VINYL COMPOSITION TILE
VENT VENTILATED
VERT VERTICAL(LY)
VEST VESTIBULE
VIF VERIFY IN FIELD
VP VENEER PLASTER
VTR VENT THROUGH ROOF

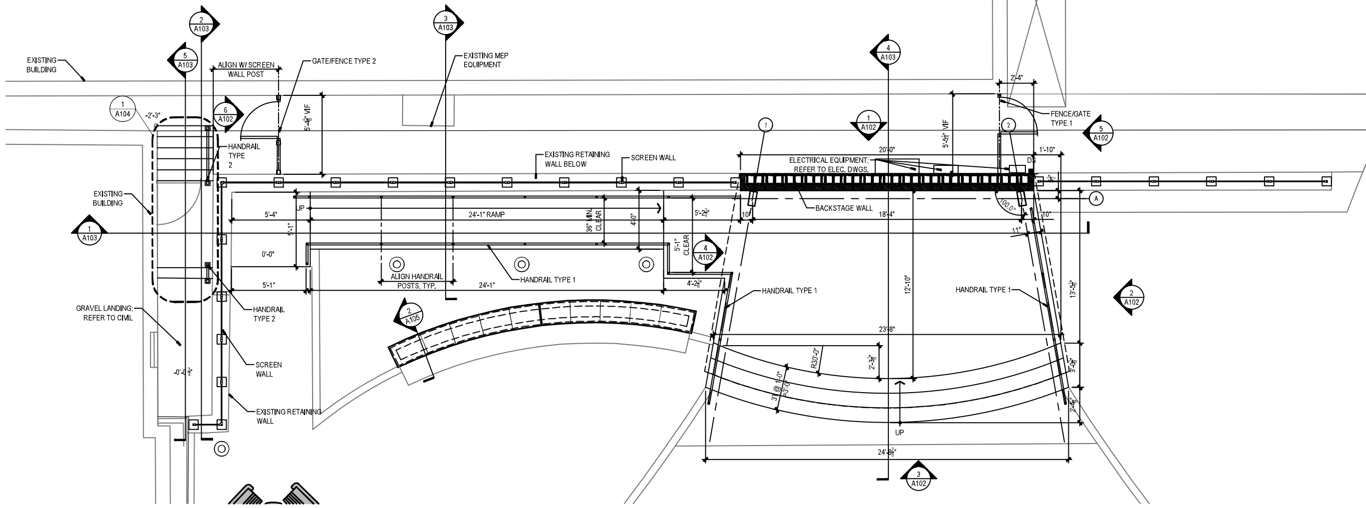
W
W WEST, WIDE, OR WASHER
W/ WITH
W/O WITHOUT
WC WALLCOVERING OR WATER CLOSET
WD WOOD
WG WIRE GLASS
WH WALL HYDRANT OR WATER HEATER
WIN WINDOW
WOM WOMAN, WOMEN, OR WALK-OFF MAT
WP WALL PROTECTION OR WATERPROOF(ING)
WSCT WAINSCOT
WT WINDOW TREATMENT OR WEIGHT
WWR WELDED WIRE REINFORCEMENT



3 A101 OVERALL SITE PLAN
SCALE: 1/8" = 1'-0"



2 A101 ROOF PLAN
SCALE: 1/4" = 1'-0"



1 A101 PLAN
SCALE: 1/4" = 1'-0"

PROJECT NOTES:

1. ALL DIMENSIONS ARE TAKEN FROM THE FACE OF STUDS, FACE OF MASONRY, U.O.N.
2. DO NOT SCALE THE DRAWINGS.
3. IF DRAWING SET IS TO BE PRINTED THE SET MUST BE PRINTED IN COLOR AS SOME GRAPHICAL INFORMATION USE COLORS BEYOND BASIC BLACK AND/OR GRAY TONES.
4. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND NOTIFY THE OWNER AND DESIGN TEAM OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH WORK.
5. REFER TO COVER SHEET CS-1 FOR REQUIRED SUBMITTALS
6. PLAZA DATUM POINT ELEVATION @ 594'-0 EQUALS "0'-0" ON ARCHITECTURAL DRAWINGS.

FLOOR PLAN GENERAL NOTES

1.

SYMBOLS & MATERIALS KEY

SAMPLE 100 ROOM NUMBER
100 DOOR MARK
PARTITION TYPE
TOILET ACCESSORY
WINDOW DETAILING
WINDOW TYPE
STOREFRONT TYPE
WINDOW GLAZING
APPLIANCE TYPE
DEMOLITION NOTE
COLUMN BUBBLE
DETAIL KEY
BUILDING SECTION KEY OR WALL SECTION KEY
INTERIOR AND EXTERIOR ELEVATION KEY
CONTROL OR WORK POINT
REVISION
100 OCCUPANT COUNT
15 OCCUPANT LOAD

EARTH
GRAVEL
CONCRETE
GROUT, MORTAR, CEMENT
CONCRETE BLOCK
FACE BRICK
FACE STONE
STEEL
ROUGH WOOD OR BLOCKING
CONTINUOUS WOOD BLOCKING
FINISHED WOOD
BATT INSULATION
ACOUSTICAL TILE
RIGID INSULATION
PLYWOOD

REGISTERED ARCHITECT PENNSYLVANIA STUART E. CHRISTENSON RA-015117-B

Professional Certification
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional under the laws of the State of PENNSYLVANIA License # RA015117-B
Expiration Date 6/30/2027

FSA
FREDERICK, SEIBERT & ASSOCIATES, INC. © 2026 fsa-inc.com
CIVIL ENGINEERS • SURVEYORS • LANDSCAPE ARCHITECTS • LAND PLANNERS
128 SOUTH POTOMAC STREET HAGERSTOWN, MD 21740 301.791.3650
20 WEST BALTIMORE STREET GREENCASTLE, PA 17225 717.597.1007
505 SOUTH HANOVER STREET CARLISLE, PA 17013 717.701.8111
15 EAST MAIN STREET NEW BLOOMFIELD, PA 17068 717.275.7531

ARCHITECT
NOELKER AND HULL ASSOCIATES, INC.
30 WEST KING STREET CHAMBERSBURG, PA | 17201-1540 717.263.8464

STRUCTURAL ENGINEER
M&A Matonak & Associates STRUCTURAL ENGINEERS
MATONAK & ASSOCIATES
931-B SWEENEY DRIVE HAGERSTOWN, MD | 21740 301.790.0111

MARK: | DESCRIPTION: | DATE:

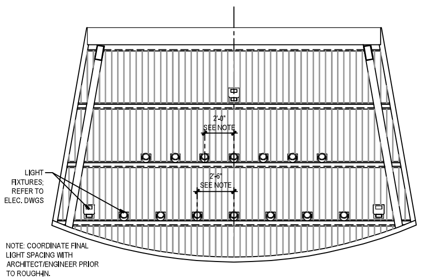
TOWN HALL PLAZA

SITUATED ON THE SOUTHWEST CORNER OF EAST BALTIMORE STREET & WASHINGTON STREET
GREENCASTLE, PA
FRANKLIN COUNTY, PENNSYLVANIA
BOROUGH OF GREENCASTLE
60 N WASHINGTON ST., GREENCASTLE, PA 17225
717-597-7143

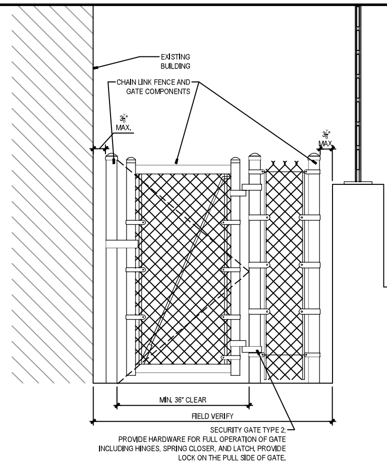
PROJECT NO. 24035.06
DWN BY CAD
DATE 09-22-2026
PROJECT MANAGER: Lauren Bennett
EMAIL: lbennett@noelkerhull.com
PROPERTY INFORMATION UPI-082B29,-041,-EX0000
SCALE AS INDICATED
SHEET TITLE
ARCHITECTURAL DRAWINGS PLANS

A101

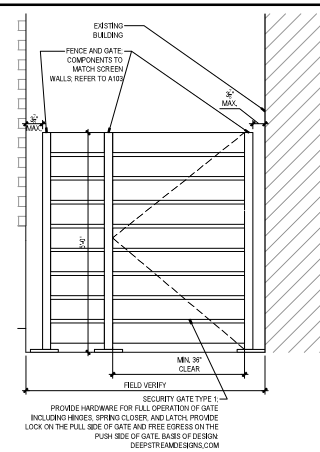
EXTERIOR FINISHES NOTES:
1. ALL EXPOSED STRUCTURAL STEEL TO BE PAINTED. COLOR: TBD
2. EXPOSED CMU SURFACES TO BE PAINTED. COLOR: TBD.
3. WOOD ROOF DECKING TO BE SANDED AND STAINED. COLOR: TBD
4. ALL NEW CONCRETE SURFACES TO BE BROOM-FINISH, SEALED WITH VOCOMP-20, AND FINISHED WITH ULTRACRETE TX1000 ALL-IN-ONE CONCRETE TEXTURING OVERLAY AND REPAIR IN COLOR AND TEXTURE TO MATCH EXISTING, VERIFY IN FIELD



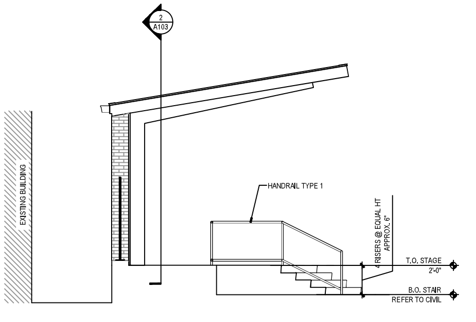
7 A102 STAGE REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"



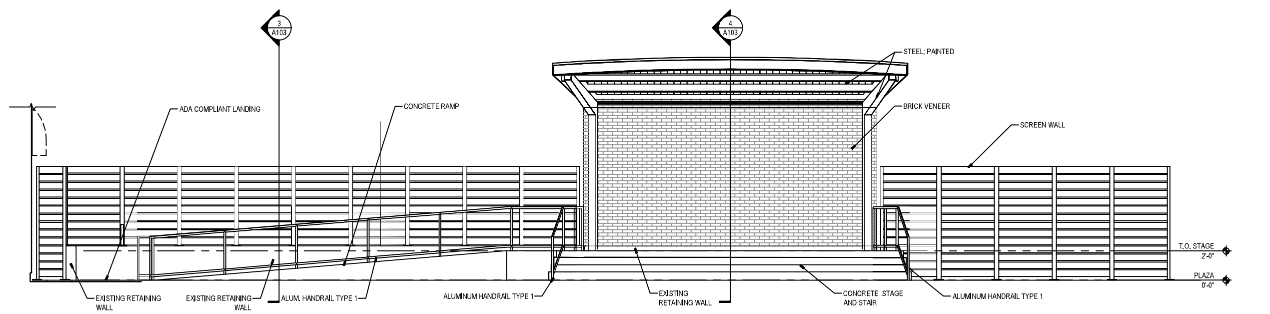
6 A102 GATE TYPE 2 ELEVATION
SCALE: 3/4" = 1'-0"
NOTE: REFER TO CIVIL SHEETS/DOCUMENTS FOR CHAIN LINK FENCE/GATE SPECIFICATIONS



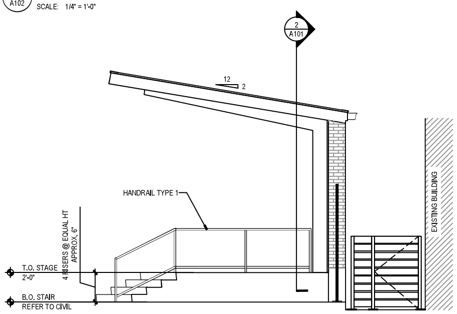
5 A102 GATE TYPE 1 ELEVATION
SCALE: 3/4" = 1'-0"



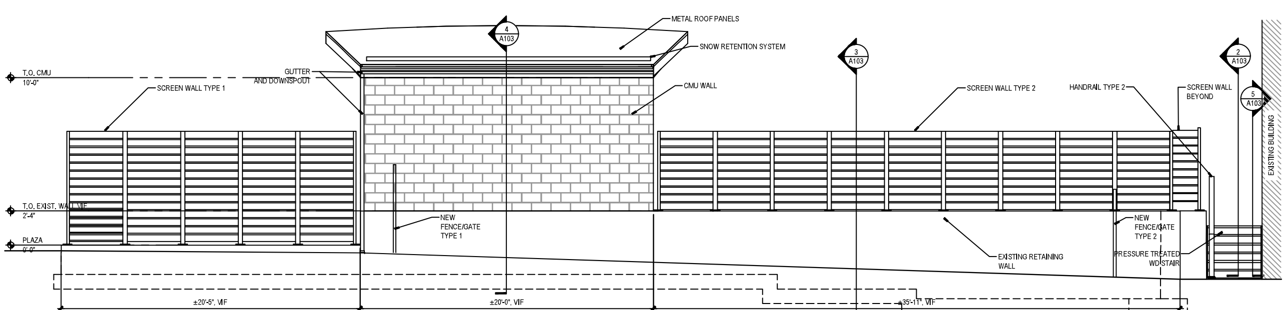
4 A102 ELEVATION - SOUTH
SCALE: 1/4" = 1'-0"



3 A102 ELEVATION - SOUTH
SCALE: 1/4" = 1'-0"



2 A102 ELEVATION - SOUTH
SCALE: 1/4" = 1'-0"



1 A102 ELEVATION - NORTH
SCALE: 1/4" = 1'-0"

Professional Certification
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional under the laws of the State of PENNSYLVANIA. License # RA015117B
Expiration Date 8/30/2027

FSA
FREDERICK, SEIBERT & ASSOCIATES, INC. © 2026
CIVIL ENGINEERS • SURVEYORS • LANDSCAPE ARCHITECTS • LAND PLANNERS
fsa-inc.com
128 SOUTH POTOMAC STREET HAGERSTOWN, MD 21740 301.791.3650
20 WEST BALTIMORE STREET GREENCASTLE, PA 17225 717.597.1007
505 SOUTH HANOVER STREET CARLISLE, PA 17013 717.701.8111
15 EAST MAIN STREET NEW BLOOMFIELD, PA 17068 717.275.7531

ARCHITECT
NOELKER AND HULL ASSOCIATES, INC.
30 WEST KING STREET CHAMBERSBURG, PA | 17201-1540 717.263.8464

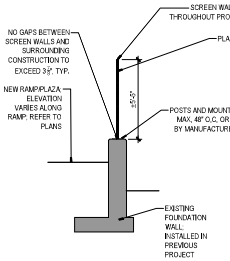
STRUCTURAL ENGINEER
M&A Matonak & Associates STRUCTURAL ENGINEERS
MATONAK & ASSOCIATES
931-B SWEENEY DRIVE HAGERSTOWN, MD | 21740 301.790.0111

MARK	DESCRIPTION	DATE

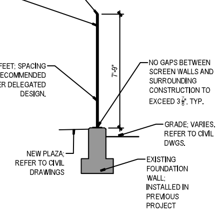
TOWN HALL PLAZA
SITUATED ON THE SOUTHWEST CORNER OF EAST BALTIMORE STREET & WASHINGTON STREET
GREENCASTLE, PA
FRANKLIN COUNTY, PENNSYLVANIA
BOROUGH OF GREENCASTLE
60 N WASHINGTON ST., GREENCASTLE, PA 17225
717-597-7143

PROJECT NO. 24035.06
DWN BY CAD DATE 09-22-2026
PROJECT MANAGER: Lauren Bennett
EMAIL: lbennett@noelkerhull.com
PROPERTY INFORMATION UPI-082B29.-041.-EX0000
SCALE AS INDICATED
SHEET TITLE ARCHITECTURAL ELEVATIONS

A102



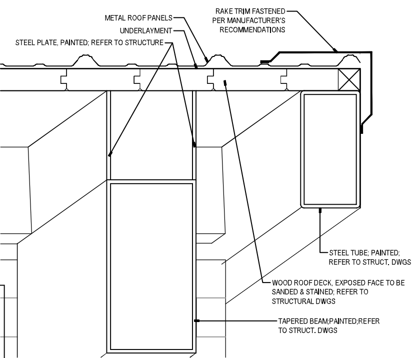
10 / A103 **SECTION SCREEN WALL T YPE 2**
SCALE: 1/4" = 1'-0"



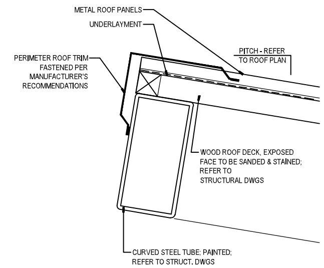
9 / A103 **SECTION SCREEN WALL TYPE 1**
SCALE: 1/4" = 1'-0"

SCREEN WALL AND GATE NOTES:
BASIS OF DESIGN: DEEPSTREAMDESIGNS.COM
POSTS: ANODIZED ALUMINUM POSTS WITH MOUNTING FEET.
SLATS: RECYCLED PLASTIC LUMBER PLANKS, 3/4" THICK x APPROX. 5.5" WIDE WITH 1" SPACING, COLOR: "ANTIQUE MAHOGANY" PREMIUM WOODGRAIN. INCLUDE ALL ACCESSORIES AND HARDWARE AS NEEDED INCLUDING, BUT NOT LIMITED TO, HDPE CAPS, MOUNTING SCREWS, ETC.

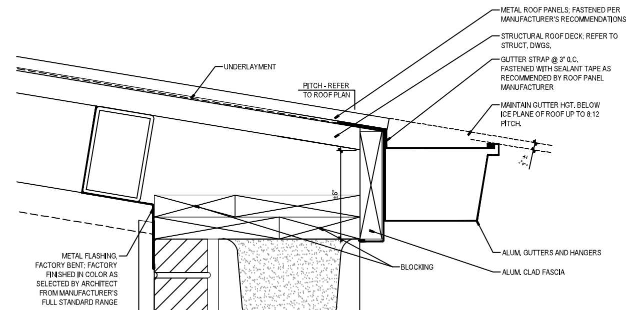
DESIGN OF SCREEN WALL TO BE DELEGATED DESIGN, THE RESPONSIBILITY OF THE SCREEN WALL PROVIDER. SCREEN WALL TO BE DESIGNED TO RISK CATEGORY III AS DEFINED BY 2021 IBC 1604.5 AND OTHER STRUCTURAL LOADING REQUIREMENTS AS DEFINED IN 2021 IBC.
REQUIRED SUBMITTALS:
1. SHOP DRAWINGS INDICATING COMPONENT DETAILS, DIMENSIONS, POST SPACING, ANCHORAGE, LOADING, TYPE AND LOCATION OF FASTENERS, AND ACCESSORIES OR ITEMS REQUIRED OF RELATED WORK.
2. FOR SCREEN WALL, INCLUDE STRUCTURAL ANALYSIS DATA SIGNED AND SEALED BY THE QUALIFIED PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION.
3. ANY PROPOSED DEVIATIONS FROM BASIS OF DESIGN SHOULD BE PROCESSED AS A SUBSTITUTION REQUEST. DOCUMENT EACH REQUEST WITH COMPLETE DATA SUBSTANTIATING COMPLIANCE OF PROPOSED SUBSTITUTION WITH CONTRACT DOCUMENTS. BURDEN OF PROOF IS ON PROPOSER.



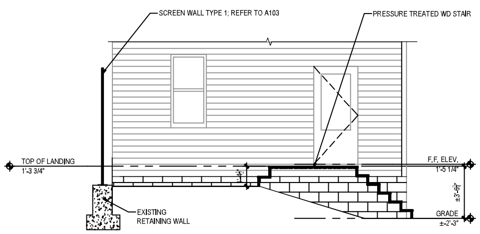
8 / A103 **ROOF DETAIL @ RAKE**
SCALE: 3" = 1'-0"



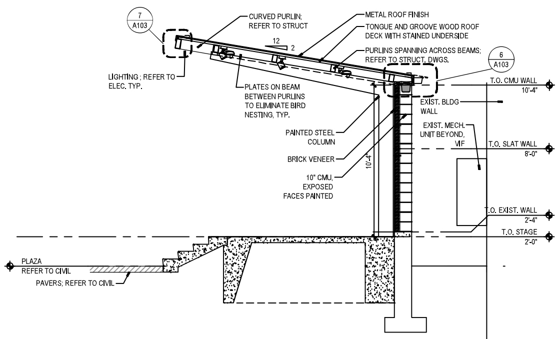
7 / A103 **ROOF DETAIL @ HIGH EAVE**
SCALE: 3" = 1'-0"



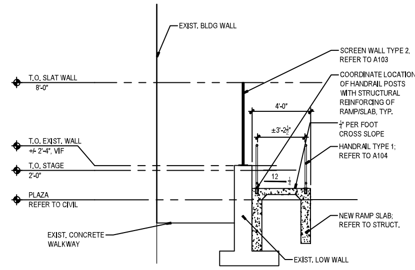
6 / A103 **ROOF DETAIL @ LOW EAVE**
SCALE: 3" = 1'-0"



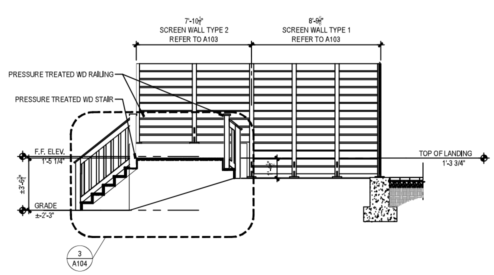
5 / A103 **SECTION**
SCALE: 1/4" = 1'-0"



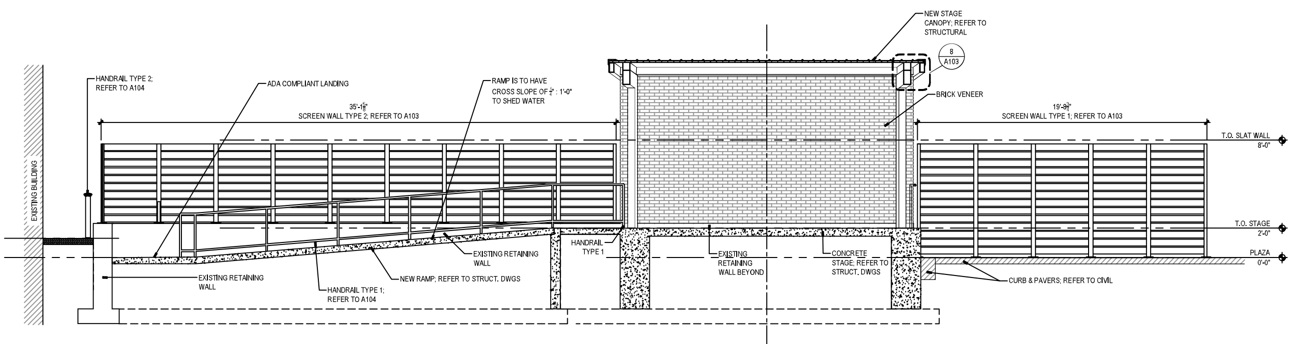
4 / A103 **SECTION**
SCALE: 1/4" = 1'-0"



3 / A103 **SECTION**
SCALE: 1/4" = 1'-0"



2 / A103 **SECTION**
SCALE: 1/4" = 1'-0"



1 / A103 **SECTION**
SCALE: 1/4" = 1'-0"

REGISTERED ARCHITECT PENNSYLVANIA STUART E. CHRISTENSON RA-015117-B

Professional Certification:
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional under the laws of the State of PENNSYLVANIA License # RA015117B
Expiration Date 6/30/2027

FSA
FREDERICK, SEIBERT & ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • LANDSCAPE ARCHITECTS • LAND PLANNERS
© 2026
fsa-inc.com

128 SOUTH POTOMAC STREET HAGERSTOWN, MD 21740 301.791.3650	20 WEST BALTIMORE STREET GREENCASTLE, PA 17225 717.597.1007	505 SOUTH HANOVER STREET CARLISLE, PA 17013 717.701.8111	15 EAST MAIN STREET NEW BLOOMFIELD, PA 17068 717.275.7531

ARCHITECT: NOELKER AND HULL ASSOCIATES, INC. 30 WEST KING STREET CHAMBERSBURG, PA \| 17201-1540 717.263.8464

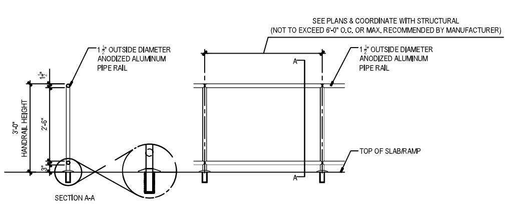
STRUCTURAL ENGINEER: M&A Matonak & Associates Structural Engineers — MATONAK & ASSOCIATES 931-B SWEENEY DRIVE HAGERSTOWN, MD \| 21740 301.790.0111

MARK: | DESCRIPTION: | DATE:

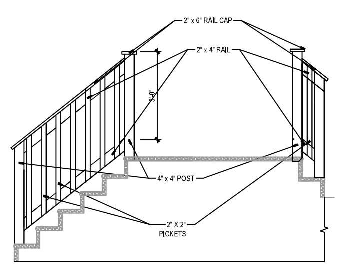
TOWN HALL PLAZA
SITUATED ON THE SOUTHWEST CORNER OF EAST BALTIMORE STREET & WASHINGTON STREET
GREENCASTLE, PA
FRANKLIN COUNTY, PENNSYLVANIA
BOROUGH OF GREENCASTLE
60 N WASHINGTON ST., GREENCASTLE, PA 17225
717-597-7143

PROJECT NO. 24035.06
DWN BY CAD — DATE 09-22-2026
PROJECT MANAGER: Lauren Bennett
EMAIL: lbennett@noelkerhull.com
PROPERTY INFORMATION UPI-082B29.-041.-EX0000
SCALE AS INDICATED
SHEET TITLE
ARCHITECTURAL SECTIONS AND DETAILS
A103

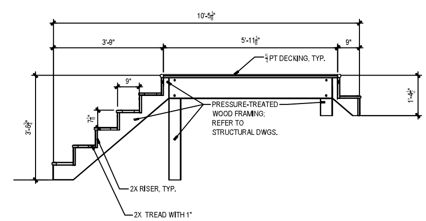
STAIR DESIGN NOTES:
1. PER PENNSYLVANIA CODE, 403.21 UNIFORM CONSTRUCTION CODE:
   1.1. 403.21 (1) (I): IN OCCUPANCIES IN USE GROUP R-3... THE MAXIMUM RISER HEIGHT SHALL BE 8.25 INCHES AND THE MINIMUM TREAD DEPTH SHALL BE 9 INCHES. A 1-INCH NOSING SHALL BE PROVIDED ON STAIRWAYS WITH SOLID RISERS.
2. 2021 IRC CHAPTER 311 MEANS OF EGRESS STAIR DESIGN NOTES:
   2.1. LANDING CAN BE MAX. 1.5" BELOW THE TOP OF THE DOOR THRESHOLD
   2.2. LANDING SLOPE MAX. 1:48
   2.2. WIDTH OF STAIR TO BE 3' WIDE AND HANDRAILS CAN PROJECT INTO THAT 3.5" MAX.
   2.3. ONE HANDRAIL REQUIRED ON ONE SIDE
      2.3.1. HANDRAILS SHALL BE CONTINUOUS FOR THE FULL LENGTH OF THE FLIGHT, FROM A POINT DIRECTLY ABOVE THE TOP RISER OF THE FLIGHT TO A POINT DIRECTLY ABOVE THE LOWEST RISER OF THE FLIGHT, HANDRAIL ENDS SHALL BE RETURNED TOWARD A WALL, GUARD, WALKING SURFACE CONTINUOUS TO ITSELF, OR TERMINATE TO A POST.



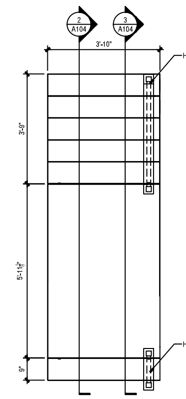
4 / A104 HANDRAIL TYPE 1
SCALE: 1/2" = 1'-0"



3 / A104 HANDRAIL TYPE 2
SCALE: 1/2" = 1'-0"



2 / A104 STAIR SECTION
SEE STAIR DESIGN NOTES
SCALE: 1/2" = 1'-0"



1 / A104 STAIR ENLARGED PLAN
SCALE: 1/2" = 1'-0"

Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional under the laws of the State of PENNSYLVANIA License # RA015117-B Expiration Date 6/30/2027

FSA FREDERICK, SEIBERT & ASSOCIATES, INC. © 2026 fsa-inc.com
CIVIL ENGINEERS • SURVEYORS • LANDSCAPE ARCHITECTS • LAND PLANNERS
128 SOUTH POTOMAC STREET HAGERSTOWN, MD 21740 301.791.3650
20 WEST BALTIMORE STREET GREENCASTLE, PA 17225 717.597.1007
505 SOUTH HANOVER STREET CARLISLE, PA 17013 717.701.8111
15 EAST MAIN STREET NEW BLOOMFIELD, PA 17068 717.275.7531

ARCHITECT
NOELKER AND HULL ASSOCIATES, INC.
30 WEST KING STREET CHAMBERSBURG, PA | 17201-1540 717.263.8464

STRUCTURAL ENGINEER
M&A Matonak & Associates STRUCTURAL ENGINEERS
MATONAK & ASSOCIATES
931-B SWEENEY DRIVE HAGERSTOWN, MD | 21740 301.790.0111

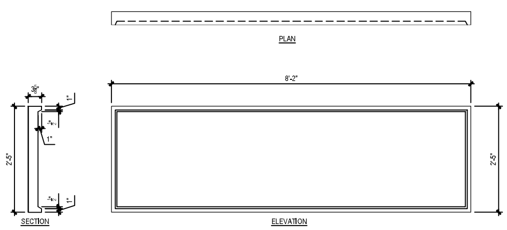
MARK:	DESCRIPTION:	DATE:

TOWN HALL PLAZA
SITUATED ON THE SOUTHWEST CORNER OF EAST BALTIMORE STREET & WASHINGTON STREET
GREENCASTLE, PA
FRANKLIN COUNTY, PENNSYLVANIA
BOROUGH OF GREENCASTLE
60 N WASHINGTON ST., GREENCASTLE, PA 17225
717-597-7143

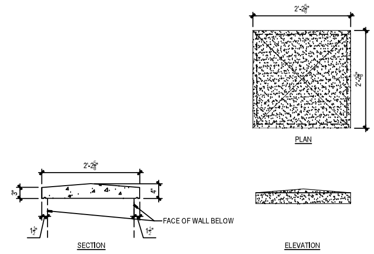
PROJECT NO. 24035.06
DWN BY CAD
DATE 09-22-2026
PROJECT MANAGER: Lauren Bennett
EMAIL: lbennett@noelkerhull.com
PROPERTY INFORMATION UPI-082B29,-041,-EX0000
SCALE AS INDICATED
SHEET TITLE
ARCHITECTURAL STAIR AND RAILING DETAILS
A104

CAST STONE TYPES

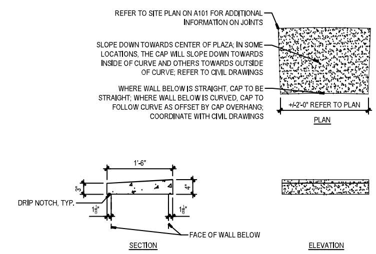
7 / A105 — SCALE: 1/4" = 1'-0"



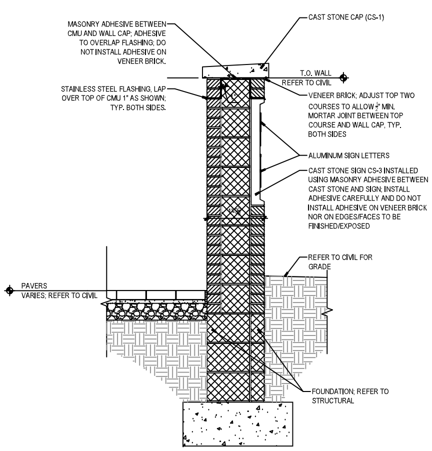
TYPE CS-3 (SIGN)



TYPE CS-2 (CAP)

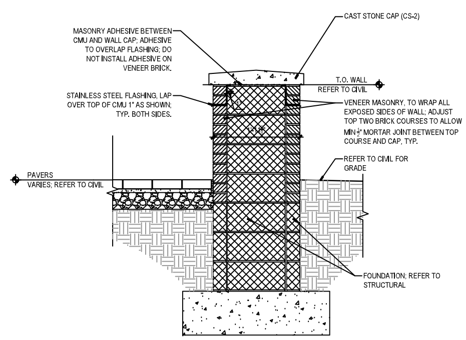


TYPE CS-1 (CAP)



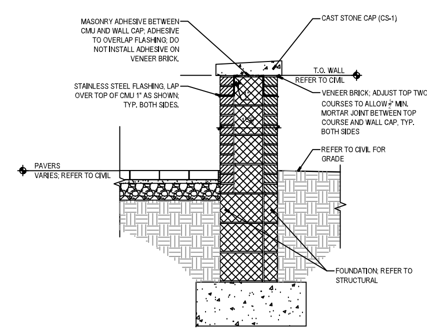
SIGN WALL SECTION

4 / A105 — SCALE: 3/4" = 1'-0" — COORDINATE DETAILS WITH STRUCTURAL DETAILS ON S4.2



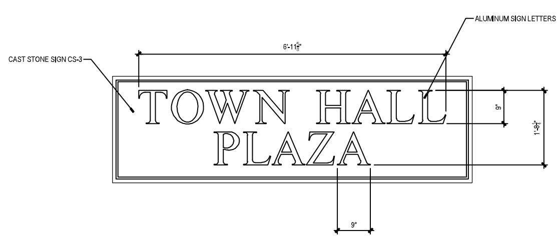
SITE PIER SECTION

3 / A105 — SCALE: 3/4" = 1'-0" — COORDINATE DETAILS WITH STRUCTURAL DETAILS ON S4.2



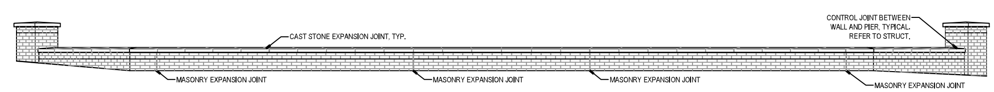
SITE WALL SECTION

2 / A105 — SCALE: 1/4" = 1'-0" — COORDINATE DETAILS WITH STRUCTURAL DETAILS ON S4.2



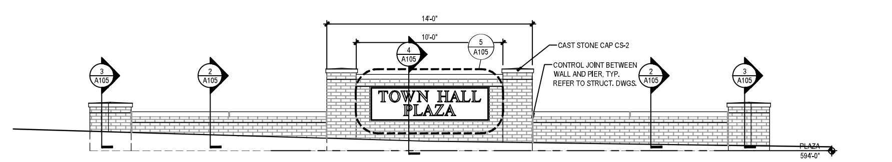
SIGN LETTERS

5 / A105 — SCALE: 3/4" = 1'-0"



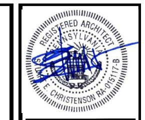
SITE WALL ELEVATION

6 / A105 — SCALE: 1/4" = 1'-0"



SIGN WALL ELEVATION

1 / A105 — SCALE: 1/4" = 1'-0"



Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional under the laws of the State of PENNSYLVANIA. License # RA015117B Expiration Date 6/30/2027

FSA FREDERICK, SEIBERT & ASSOCIATES, INC.
© 2026 fsa-inc.com
CIVIL ENGINEERS • SURVEYORS • LANDSCAPE ARCHITECTS • LAND PLANNERS
128 SOUTH POTOMAC STREET HAGERSTOWN, MD 21740 301.791.3650
20 WEST BALTIMORE STREET GREENCASTLE, PA 17225 717.597.1007
505 SOUTH HANOVER STREET CARLISLE, PA 17013 717.701.8111
15 EAST MAIN STREET NEW BLOOMFIELD, PA 17068 717.275.7531

ARCHITECT: NOELKER AND HULL ASSOCIATES, INC. 30 WEST KING STREET CHAMBERSBURG, PA | 17201-1540 717.263.8464

STRUCTURAL ENGINEER: M&A Matonak & Associates Structural Engineers — MATONAK & ASSOCIATES 931-B SWEENEY DRIVE HAGERSTOWN, MD | 21740 301.790.0111

MARK	DESCRIPTION	DATE

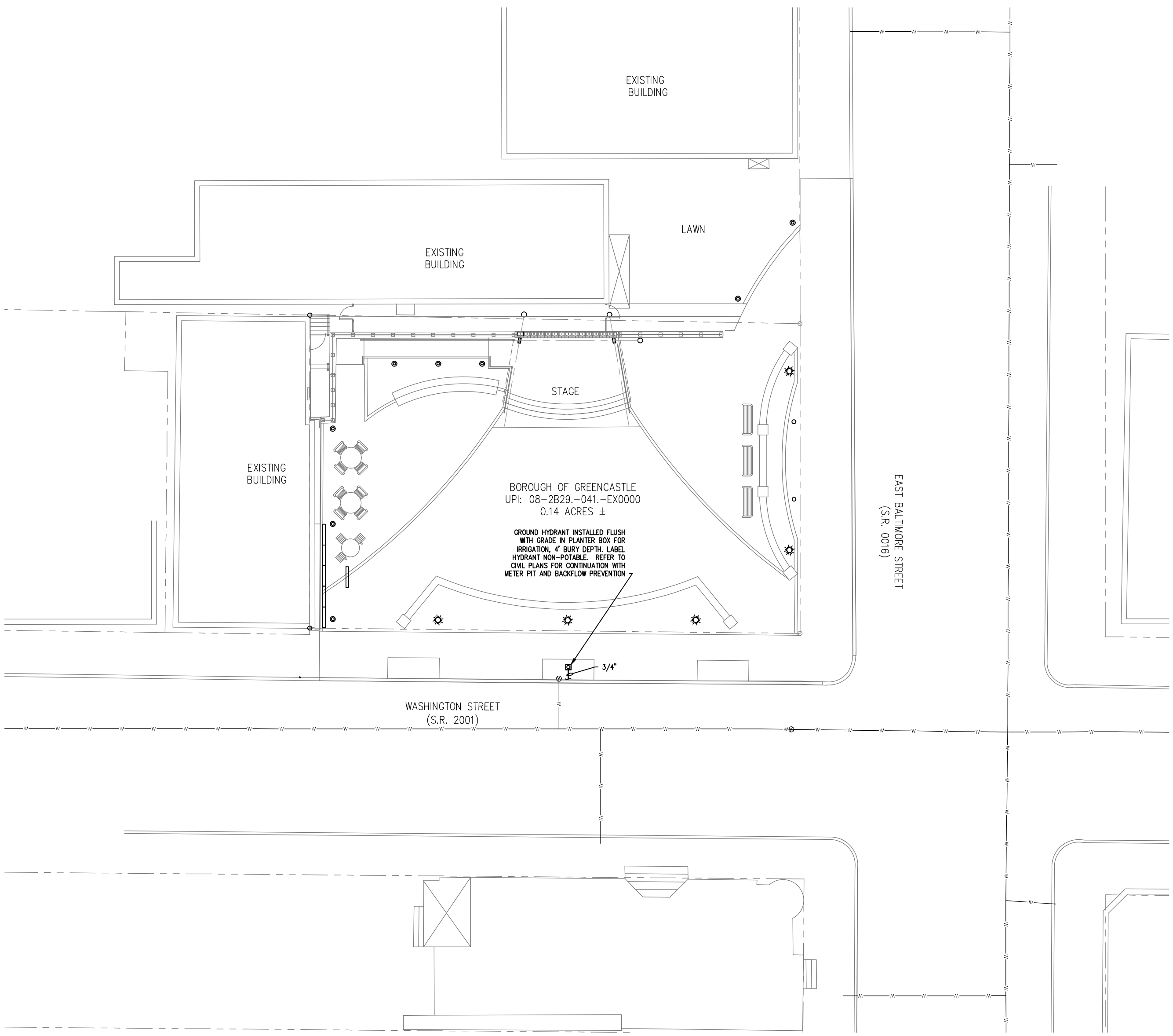
TOWN HALL PLAZA

SITUATED ON THE SOUTHWEST CORNER OF EAST BALTIMORE STREET & WASHINGTON STREET
GREENCASTLE, PA
FRANKLIN COUNTY, PENNSYLVANIA
BOROUGH OF GREENCASTLE
60 N WASHINGTON ST., GREENCASTLE, PA 17225
717-597-7143

PROJECT NO. 24035.06
DWN BY CAD — DATE 09-22-2026
PROJECT MANAGER: Lauren Bennett
EMAIL: lbennett@noelkerhull.com
PROPERTY INFORMATION UPI-082B29,-041,-EX0000
SCALE AS INDICATED
SHEET TITLE

ARCHITECTURAL SITE WALL DRAWINGS

A105



PLUMBING SITE PLAN

SCALE: 1" = 10'-0"

Gatter & Diehl, Inc.
Consulting Engineers
100 Winding Creek Blvd. Mechanicsburg, Pa. 17050 Phone: 717.657.9700 Fax: 717.657.9705
5 Corporate Drive Suite 105 - Bedford, Pa. 15522 Phone: 814.623.5111 Fax: 814.623.2299
www.GatterDiehl.com
Project # 225022.00

Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional under the laws of the State of: PENNSYLVANIA License No. 046770-E Expiration Date 09/30/2027

FREDERICK, SEIBERT & ASSOCIATES, INC. © 2025 fsa-inc.com
CIVIL ENGINEERS • SURVEYORS LANDSCAPE ARCHITECTS LAND PLANNERS
128 SOUTH POTOMAC STREET HAGERSTOWN, MD 21740 301.791.3650
20 WEST BALTIMORE STREET GREENCASTLE, PA 17225 717.597.1007
505 SOUTH HANOVER STREET CARLISLE, PA 17013 717.701.8111
15 EAST MAIN STREET NEW BLOOMFIELD, PA 17068 717.275.7531

ARCHITECT
NOELKER AND HULL ASSOCIATES, INC.
30 WEST KING STREET
CHAMBERSBURG, PA | 17201-1540
717.263.8464

STRUCTURAL ENGINEER
M&A Matonak & Associates STRUCTURAL ENGINEERS
MATONAK & ASSOCIATES
931-B SWEENEY DRIVE
HAGERSTOWN, MD | 21740
301.790.0111

MARK	DESCRIPTION	DATE

PHASE 4 PLAZA

WASHINGTON & EAST BALTIMORE STREET
GREENCASTLE, PA
GREENCASTLE BOROUGH
60 N WASHINGTON ST., GREENCASTLE, PA 17225
717-597-7143

PROJECT NO. 24035.04
DWN BY DJC
DATE 09.21.2026
PROJECT MANAGER: Lauren Bennett
EMAIL: lbennett@noelkerhull.com
PROPERTY INFORMATION XXX
SCALE AS INDICATED
SHEET TITLE
PLUMBING SITE PLAN

P101

PLUMBING GENERAL NOTES

1. ALL SYSTEMS ARE SHOWN SCHEMATICALLY. THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND INDICATIVE OF THE WORK TO BE PERFORMED. THE DRAWINGS ARE NOT INTENDED TO SHOW EXACT LOCATIONS OR TO SHOW EVERY PIPE, FITTING, VALVE OR APPURTENANCE REQUIRED FOR A COMPLETE INSTALLATION.
2. DO NOT SCALE LOCATION DIMENSIONS FROM THESE DRAWINGS.
3. CHECK AND VERIFY ALL CONDITIONS AT THE SITE WITHIN THE CONTRACT LIMITS.
4. IT IS INTENDED THAT THE DRAWINGS AND SPECIFICATIONS SHALL PROVIDE A WORKING INSTALLATION COMPLETE IN EVERY DETAIL AND ALL ITEMS NECESSARY FOR A COMPLETE INSTALLATION SHALL BE FURNISHED.
5. THE OMISSION OF EXPRESSED REFERENCE IN THE DRAWINGS OR SPECIFICATION TO ANY LABOR OR MATERIAL NECESSARY FOR THE PROPER EXECUTION OF THE WORK IN ACCORDANCE WITH PRESENT GOOD PRACTICE OF THE TRADE SHALL NOT RELIEVE THIS CONTRACTOR FROM PROVIDING SUCH ADDITIONAL LABOR AND MATERIAL UNDER THIS CONTRACT.
6. ALL INSTALLATION AND WORK SHALL BE PERFORMED IN A NEAT, WORKMANLIKE MANNER SO AS NOT TO DAMAGE ANY SURFACES, EQUIPMENT OR MATERIALS.
7. ALL EQUIPMENT AND MATERIALS INCORPORATED IN THIS WORK SHALL BE NEW UNLESS NOTED OTHERWISE AND SHALL BE CURRENT PRODUCTS BY MANUFACTURERS REGULARLY ENGAGED IN THE PRODUCTION OF SUCH PRODUCTS.
8. MANUFACTURERS AND MODEL NUMBERS REFERENCED ON THESE DRAWINGS ARE FOR REFERENCE ONLY AND TO ESTABLISH A BASIS OF DESIGN. PRODUCTS PROVIDED BY ALTERNATE MANUFACTURERS SHALL BE CONSIDERED PROVIDING THEY MEET THE QUALITY STANDARDS REFERENCED HEREIN.
9. INSTALL ALL EQUIPMENT AND MATERIALS IN STRICT ACCORDANCE WITH RESPECTIVE MANUFACTURER'S WRITTEN INSTRUCTIONS. MAINTAIN CLEARANCES FOR ACCESS TO SERVICE EQUIPMENT, VALVES AND CONTROLS.
10. COORDINATE PLUMBING WORK WITH THE WORK OF ALL OTHER TRADES.
11. ALL DIMENSIONS AND PIPE SIZES ARE IN INCHES, UNLESS NOTED OTHERWISE.
12. FURNISH AND INSTALL ACCESS PANELS WHERE REQUIRED FOR ACCESS TO ALL CONCEALED VALVES OR EQUIPMENT WHERE NO OTHER MEANS IS PROVIDED.
13. CONSTRUCTION MATERIALS AND EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE LEGALLY DISPOSED OF OFF THE SITE UNLESS NOTED OTHERWISE.
14. COORDINATE WORK WITH STRUCTURAL AND ARCHITECTURAL FEATURES AND PROVIDE OFFSETS AND FITTINGS AS REQUIRED.
15. EXISTING EQUIPMENT AND MATERIALS SHALL REMAIN, UNLESS NOTED OTHERWISE.
16. RUNOUTS TO EQUIPMENT SHALL BE SIZE AS INDICATED AND INCREASED OR REDUCED AT THE POINT OF FINAL CONNECTION TO THE EQUIPMENT.
17. ALL SYSTEMS SHALL BE TESTED FOR PROPER OPERATION IN ACCORDANCE WITH APPLICABLE CODES OR REGULATIONS.
18. INSTALL ALL WORK IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS.
19. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND INSPECTIONS AS REQUIRED TO COMPLETE THE INSTALLATION AS INDICATED ON THESE DRAWINGS.
20. PROVIDE OWNER WITH CERTIFICATES OF FINAL INSPECTIONS AND ACCEPTANCE FROM THE AUTHORITY HAVING JURISDICTION.
21. CONTRACTOR SHALL VERIFY LOCATION OF EXISTING UNDERGROUND UTILITIES AND PIPING BEFORE COMMENCING WORK AND WILL BE FULLY RESPONSIBLE FOR ALL DAMAGES WHICH MIGHT OCCUR BY THE FAILURE TO EXACTLY LOCATE AND PRESERVE ANY UNDERGROUND UTILITIES.

15050 BASIC MECHANICAL REQUIREMENTS

1. GENERAL

A. THE OWNER ACCEPTS NO RESPONSIBILITY FOR LOSS OR DAMAGE TO MATERIALS OR STRUCTURES ON SITE, OR FOR THE SAVAGE VALUE OF WHICH THE CONTRACTOR MAY HAVE REFLECTED ON HIS BID. THE CONTRACTOR SHALL EFFECTUALLY PROTECT AT HIS OWN EXPENSE, HIS WORK, MATERIALS, OR EQUIPMENT AND IS LIABLE TO INJURY DURING CONSTRUCTION PERIOD.

B. CONTRACTOR SHALL COORDINATE CONNECTIONS TO MAIN UTILITY SUPPLIES WITH THE LOCAL UTILITY COMPANIES.

C. CONTRACTOR SHALL FILE, SECURE, AND PAY FOR ANY NECESSARY APPROVALS, PERMITS, AND INSPECTIONS.

D. ALL SYSTEMS SHALL BE TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF ALL FEDERAL, STATE AND LOCAL AUTHORITIES HAVING JURISDICTION. CONTRACTOR TO COORDINATE TESTS WITH LOCAL OFFICIALS.

E. PRIOR TO TESTING, THE CONTRACTOR SHALL MAKE ALL SYSTEM ADJUSTMENTS REQUIRED FOR PROPER OPERATION.

2. SCOPE OF WORK

A. IT IS THE INTENT OF THE DRAWINGS AND SPECIFICATION THAT THE CONTRACTOR SHALL PROVIDE A WORKING INSTALLATION COMPLETE IN EVERY DETAIL, AND ALL ITEMS NECESSARY FOR A COMPLETE INSTALLATION SHALL BE FURNISHED WHETHER OR NOT FURNISHED, SPECIFIED OR SHOWN ON THE DRAWINGS.

B. UPON COMPLETION OF THE WORK, ALL EQUIPMENT SHALL BE THOROUGHLY CLEANED AND LEFT IN FIRST CLASS CONDITION.

C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE START UP OF ALL SYSTEMS.

3. WORK BY OTHERS

A. THE GENERAL CONTRACTOR WILL BUILD INTO HIS WORK ALL SLEEVES, ANCHORS, INSERTS, CHASES, RECESSES, OPENINGS, ETC. NECESSARY FOR INSTALLATION OF THE PLUMBING WORK. THIS CONTRACTOR SHALL PROVIDE INFORMATION AS TO THE LOCATION OF SUCH ITEMS TO THE GENERAL CONTRACTOR PRIOR TO CONSTRUCTION.

4. DRAWINGS

A. THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND INDICATIVE OF THE WORK TO BE INSTALLED. EXACT LOCATIONS OF EQUIPMENT AND POINTS OF TERMINATION SHALL BE APPROVED BY THE ARCHITECT/ENGINEER. SHOULD IT BE FOUND THAT ANY SYSTEM OR EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THE DRAWINGS, THE ARCHITECT/ENGINEER SHALL BE CONSULTED BEFORE INSTALLING OR MAKING CHANGES TO THE LAYOUT.

B. PREPARE A SET OF LEGIBLE RECORD DRAWINGS SHOWING ALL PIPING AND EQUIPMENT WITH SIZING AND LOCATION BY DIMENSION. ALL EXTERIOR PIPING SHALL BE LOCATED BY DIMENSION FROM THE BUILDING WALLS OR CURB LINES.

5. REGULATIONS

A. THE MECHANICAL INSTALLATION SHALL MEET THE LATEST REQUIREMENTS OF THE INTERNATIONAL BUILDING CODES, AND NFPA, IN ADDITION TO THE STATE, MUNICIPAL OR OTHER AUTHORITY LAWS, RULES, OR REGULATIONS APPLICABLE TO THE WORK SHALL BE FOLLOWED.

6. SHOP DRAWINGS AND CATALOG DATA

A. THE CONTRACTOR SHALL SUBMIT ELECTRONIC SHOP DRAWINGS, CATALOG CUTS, ETC. TO THE ARCHITECT OF ALL EQUIPMENT. SHOP DRAWINGS SHALL BE CORRECTED AS DIRECTED BY THE ARCHITECT/ENGINEER AND BE RE-SUBMITTED UNTIL SATISFACTORY. NO WORK SHOWN ON ANY SHOP DRAWINGS SHALL BE EXECUTED UNTIL SUCH DRAWINGS ARE REVIEWED AND RELEASED FOR THE CONTRACTOR'S USE.

7. MATERIAL SUBSTITUTIONS

A. THROUGHOUT THE SPECIFICATIONS, TYPES OF MATERIALS MAY BE SPECIFIED BY MANUFACTURER'S NAME AND CATALOG TYPE IN ORDER TO ESTABLISH STANDARDS OF QUALITY AND PERFORMANCE AND NOT FOR THE PURPOSE OF LIMITING COMPETITION. UNLESS SPECIFICALLY STATED OTHERWSE. THE BIDDER MAY ASSUME THE PHRASE "OR APPROVED EQUAL", EXCEPT THAT THE BURDEN IS UPON THE BIDDER TO PROVE SUCH EQUALITY. IF THE BIDDER ELECTS TO PROVE SUCH EQUALITY, HE MUST REQUEST THE ARCHITECT'S APPROVAL IN WRITING TO SUBSTITUTE SUCH ITEM FOR THE SPECIFIED ITEM, AND SHALL SUBMIT SUPPORTING DATA, AND SAMPLES IF REQUIRED, TO PERMIT A FAIR EVALUATION OF THE PROPOSED SUBSTITUTION WITH RESPECT TO QUALITY, SERVICEABILITY AND WARRANTY.

8. WARRANTY

A. THIS CONTRACTOR SHALL WARRANT THAT THE MATERIALS AND WORKMANSHIP USED IN THE ERECTION OF THIS INSTALLATION ARE AS HEREIN SPECIFIED. HE IS TO MAKE GOOD ANY DEFECTS IN SAME WHICH BECOME APPARENT WITHIN 1 YEAR FROM DATE OF SUBSTANTIAL COMPLETION OF WORK, PROVIDING SUCH DEFECTS ARE DUE TO FAULTY MATERIALS OR WORKMANSHIP AND NOT TO MISUSE OF APPARATUS BY THE OWNER OR HIS EMPLOYEES, OR TENANTS.

9. WORKMANSHIP AND MATERIALS

A. ALL WORK SHALL BE INSTALLED IN A FIRST-CLASS, NEAT AND WORKMANLIKE MANNER BY MECHANICS EXPERIENCED IN THE TRADE INVOLVED AND SHALL BE ACCEPTABLE TO THE ARCHITECT. ALL DETAILS OF THE INSTALLATION SHALL BE MECHANICALLY AND ELECTRICALLY CORRECT. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND WITHOUT IMPERFECTIONS OR BLEMISHES.

10. INSTRUCTIONS TO OPERATING PERSONNEL

A. THE CONTRACTOR SHALL FURNISH THE SERVICES OF QUALIFIED PERSONNEL, APPROVED BY THE ARCHITECT, AND THOROUGHLY FAMILIAR WITH EACH COMPLETED INSTALLATION, TO INSTRUCT THE OWNER'S OPERATING PERSONNEL IN THE PROPER OPERATION OF ALL SYSTEMS, AND THE PROPER CARE OF ALL EQUIPMENT AND APPARATUS INCLUDED UNDER THIS CONTRACT.

15400 PLUMBING SYSTEMS

1 GENERAL

A. SECTION INCLUDES:
1. PIPE, AND FITTINGS FOR:
a) DOMESTIC WATER SYSTEMS.
2. FLANGES, UNIONS AND COUPLINGS
3. HOSE BIBBS, HYDRANTS.

2 DOMESTIC WATER PIPING, BURIED BEYOND BUILDING OR UNDER BUILDING

A. UP TO AND INCLUDING 2-1/2 INCH DIAMETER: ASTM B88, TYPE K, ANNEALED TEMPER, SEAMLESS COPPER TUBE.

B. UP TO AND INCLUDING 1 INCH DIAMETER: PEX TUBING SYSTEM, CROSS-LINKED HIGH DENSITY POLYETHYLENE TUBING, ASTM F-876/F-877, CSA B137.5

3 FLANGES, UNIONS, AND COUPLINGS

A. PIPE SIZE 2 INCH AND UNDER: MALLEABLE IRON UNIONS FOR FERROUS PIPING; SOLDERED BRONZE UNIONS FOR COPPER PIPE.

B. DIELECTRIC CONNECTIONS:
1. 2 INCHES AND SMALLER:
a) DIELECTRIC UNION, ANSI B16.39, GALVANIZED OR PLATED STEEL WITH THREADED OR COPPER SOLDER CONNECTIONS, WATER IMPERVIOUS ISOLATION BARRIER, 250 PSI.
b) DIELECTRIC WATERWAY FITTING, GALVANIZED OR PLATED STEEL WITH THREADED OR GROOVED CONNECTIONS, NSF/FDA LISTED WATER IMPERVIOUS LINER, 250 PSI.

4 HOSE BIBBS/HYDRANTS

A. GROUND HYDRANT:
1. BASIS OF DESIGN: ZURN Z-1370
2. ENCASED, NON-FREEZE GROUND HYDRANT, FOR FLUSH WITH GRADE OR FINISHED FLOOR INSTALLATION. COMPLETE WITH GALVANIZED STEEL CASING, ALL BRONZE INTERIOR PARTS, BRONZE SEAT AND REPLACEABLE SEAT WASHER, AND NON-TURNING OPERATING ROD WITH FREE-FLOATING COMPRESSION CLOSURE VALVE. DURA-COATED CAST IRON BOX PROVIDES HOSE STORAGE AND IS COMPLETE WITH SCORIATED HINGED COVER WITH OPERATING KEY LOCK. HYDRANT IS EQUIPPED WITH A TAPPED 1/4" NPT DRAIN PORT IN VALVE HOUSING. (HOSE SHOULD ALWAYS BE DISCONNECTED FOR STORAGE)

END OF SECTION

Gatter & Diehl, Inc.
Consulting Engineers
100 Winding Creek Blvd. Mechanicsburg, Pa. 17050 Phone: 717.657.9700 Fax: 717.657.9705
5 Corporate Drive Suite 105 • Bedford, Pa. 15522 Phone: 814.623.5111 Fax: 814.623.2299
www.GatterDiehl.com
Project # 225022.00

Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional under the laws of the State of: PENNSYLVANIA License: PE046770-E Expiration Date: 09/30/2027

FREDERICK, SEIBERT & ASSOCIATES, INC. © 2025 fsa-inc.com
CIVIL ENGINEERS • SURVEYORS LANDSCAPE ARCHITECTS LAND PLANNERS
128 SOUTH POTOMAC STREET HAGERSTOWN, MD 21740 301.791.3650
20 WEST BALTIMORE STREET GREENCASTLE, PA 17225 717.597.1007
505 SOUTH HANOVER STREET CARLISLE, PA 17013 717.701.8111
15 EAST MAIN STREET NEW BLOOMFIELD, PA 17068 717.275.7531

ARCHITECT
NOELKER AND HULL ASSOCIATES, INC.
30 WEST KING STREET CHAMBERSBURG, PA | 17201-1540 717.263.8464

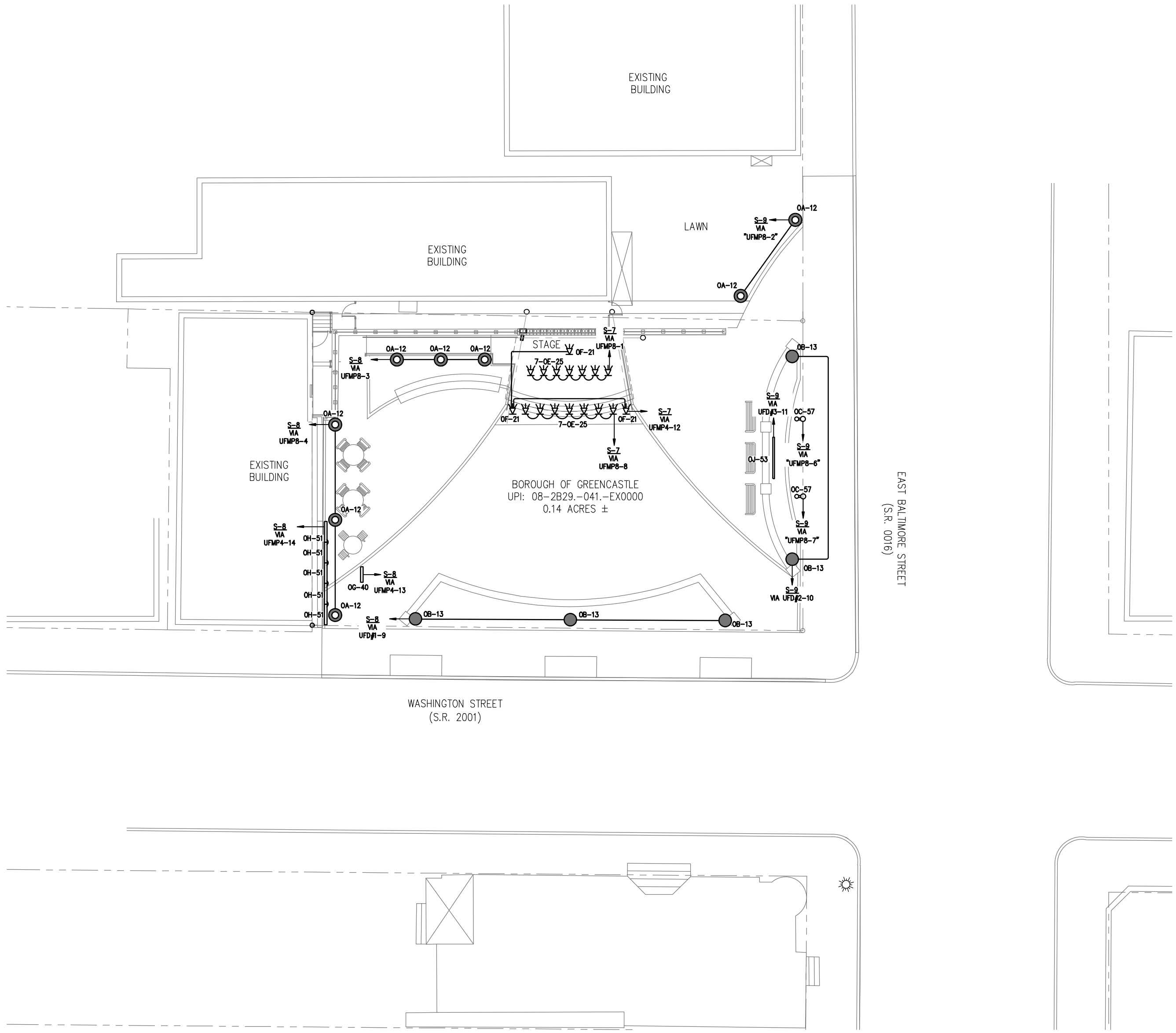
STRUCTURAL ENGINEER
M&A Matonak & Associates STRUCTURAL ENGINEERS
MATONAK & ASSOCIATES
931-B SWEENEY DRIVE HAGERSTOWN, MD | 21740 301.790.0111

MARK	DESCRIPTION	DATE

PHASE 4 PLAZA
WASHINGTON & EAST BALTIMORE STREET
GREENCASTLE, PA
GREENCASTLE BOROUGH
60 N WASHINGTON ST., GREENCASTLE, PA 17225
717-597-7143

PROJECT NO. 24035.04
DWN BY DJC
DATE 09.21.2026
PROJECT MANAGER: Lauren Bennett
EMAIL: lbennett@noelkerhull.com
PROPERTY INFORMATION XXX
SCALE AS INDICATED
SHEET TITLE SPECIFICATIONS

P201



ELECTRICAL SITE PLAN – LIGHTING

SCALE: 1" = 10'-0"

NORTH

GENERAL NOTES

1. ALL CONDUITS ON THE AUDIENCE SIDE OF THE STAGE WALL SHALL BE CONCEALED TO THE MAXIMUM EXTENT POSSIBLE. COORDINATE EXACT ROUTING OF ALL CONDUITS WITH ARCHITECT PRIOR TO ROUGH-IN; DO NOT DRILL THROUGH OR EXCAVATE UNDER RETAINING/FOUNDATION/STEM WALL WITHOUT PRIOR APPROVAL FROM ARCHITECT OR ENGINEER.
2. CONDUITS FOR CIRCUITS LOCATED ON THE SITE IN THE FRONT OF THE STAGE WALL SHALL BE ROUTED UNDER THE EXISTING STEM WALL FOOTING; MINIMIZE THE WIDTH OF THE EXCAVATED AREA BELOW THE STEM WALL FOOTING TO THE MAXIMUM EXTENT POSSIBLE. COORDINATE THE PROPOSED EXCAVATED AREA WITH THE ARCHITECT AND ENGINEER PRIOR TO EXCAVATION.
3. PROVIDE AND INSTALL NEMA 3R RATED ENCLOSURE FOR THE DRIVERS TO THE OD-9 FIXTURES. LOCATE ENCLOSURE ADJACENT TO THE LIGHTING CONTROLS ENCLOSURE. SIZE ENCLOSURE AS REQUIRED IN ACCORDANCE WITH THE NEC.
4. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF STAGE SPOT LIGHTS; LIGHTS ARE SHOWN FARTHER FROM STAGE WALL ON ELECTRICAL DRAWINGS TO MAINTAIN CLARITY.
5. COORDINATE THE EXACT ROUTING OF THE STAGE SPOT LIGHT CIRCUIT CONDUITS (LIGHTING AND CONTROLS) WITH THE ARCHITECT PRIOR TO ROUGH-IN. CONDUIT/CONDUCTORS SHALL BE ROUTED ON THE INSIDE OF THE 8" TUBES, THROUGH THE CORNER OF THE BACKSTAGE WALL, AND TERMINATE THROUGH THE PLATE ABOVE THE TAPERED BEAMS.
6. COORDINATE THE INSTALLATION OF THE WALLWASH AND WALL GRAZE FIXTURES WITH THE SITE CONTRACTOR TO ENSURE PROPER INSTALLATION OF FIXTURES AND PROPER DRAINAGE IS ACHIEVED. INSTALL FIXTURES IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
7. ALL STAGE SPOT LIGHT AND SECURITY LIGHT FIXTURES, ASSOCIATED WIRING, JUNCTION BOXES, ETC. THAT ARE EXPOSED ARE TO BE PAINTED BLACK.

Gatter & Diehl, Inc.
Consulting Engineers
100 Winding Creek Blvd. Mechanicsburg, Pa. 17050 Phone: 717.657.9700 Fax: 717.657.9705
5 Corporate Drive Suite 105 - Bedford, Pa. 15522 Phone: 814.623.5111 Fax: 814.623.2299
www.GatterDiehl.com
Project # 225022.00

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL RICHARD L. KREIGER ENGINEER NO. 048770-E

Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional under the laws of the State of: PENNSYLVANIA License 048770-E Expiration Date 09/30/2027

FREDERICK, SEIBERT & ASSOCIATES, INC. © 2025
CIVIL ENGINEERS • SURVEYORS LANDSCAPE ARCHITECTS LAND PLANNERS
fsa-inc.com
128 SOUTH POTOMAC STREET HAGERSTOWN, MD 21740 301.791.3650
20 WEST BALTIMORE STREET GREENCASTLE, PA 17225 717.597.1007
505 SOUTH HANOVER STREET CARLISLE, PA 17013 717.701.8111
15 EAST MAIN STREET NEW BLOOMFIELD, PA 17068 717.275.7531

ARCHITECT
NOELKER AND HULL ASSOCIATES, INC.
30 WEST KING STREET CHAMBERSBURG, PA | 17201-1540 717.263.8464

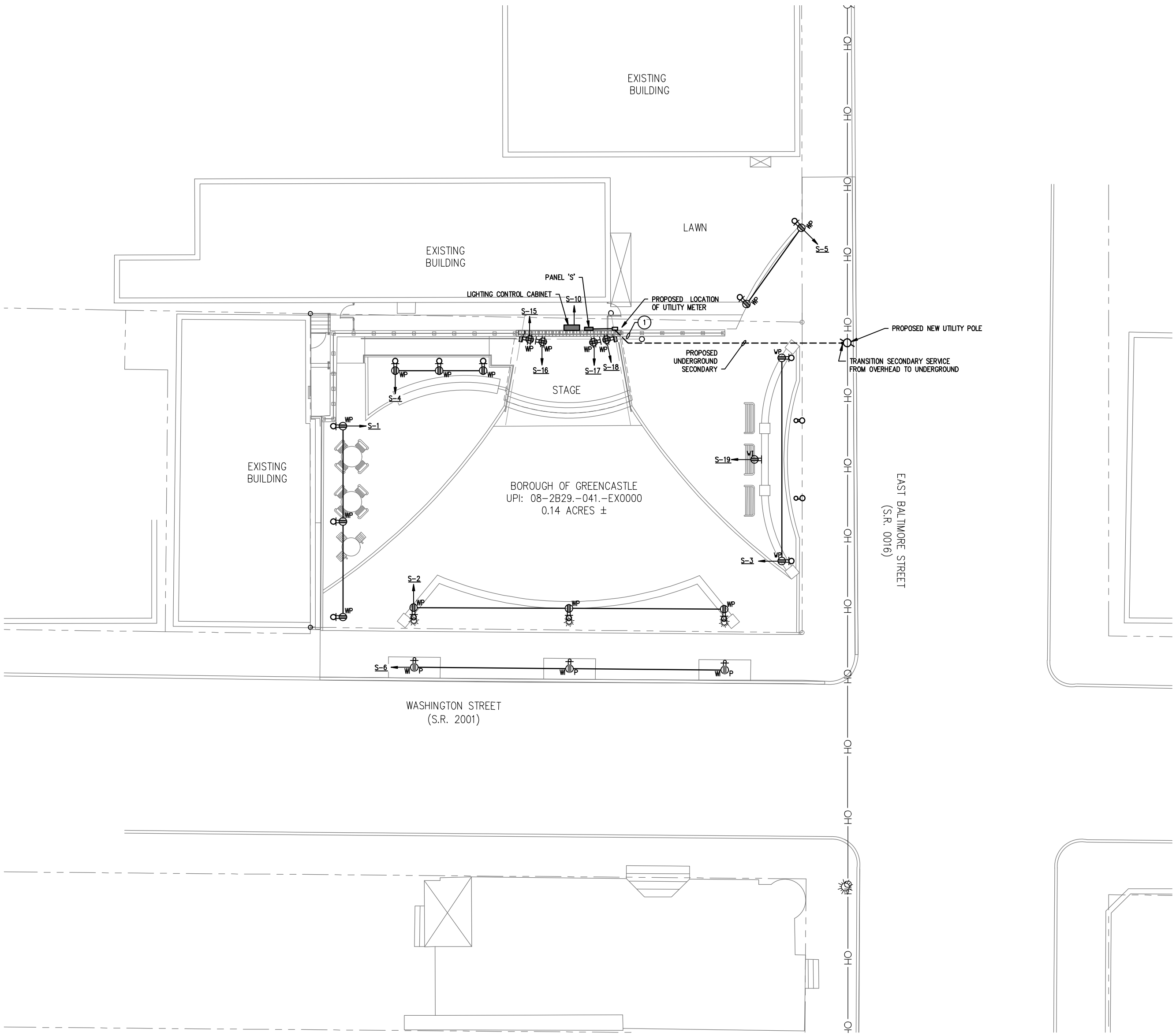
STRUCTURAL ENGINEER
M&A Matonak & Associates STRUCTURAL ENGINEERS
MATONAK & ASSOCIATES
931-B SWEENEY DRIVE HAGERSTOWN, MD | 21740 301.790.0111

MARK:	DESCRIPTION:	DATE:

PHASE 4 PLAZA
WASHINGTON & EAST BALTIMORE STREET
GREENCASTLE, PA
GREENCASTLE BOROUGH
60 N WASHINGTON ST., GREENCASTLE, PA 17225
717-597-7143

PROJECT NO. 24035.04
DWN BY AAA
DATE 09.21.2026
PROJECT MANAGER: Lauren Bennett
EMAIL: lbennett@noelkerhull.com
PROPERTY INFORMATION XXX
SCALE AS INDICATED
SHEET TITLE
ELECTRICAL SITE PLAN - LIGHTING

E101



UTILITY COMPANY CONTACTS

COMPANY	NAME	TELEPHONE #	WORK ORDER NUMBER
WEST PENN POWER	JUSTIN AKERS	717-765-2237	359427358

ELECTRICAL SITE PLAN – POWER

SCALE: 1" = 10'-0"

NORTH

Gatter & Diehl, Inc.
Consulting Engineers
100 Winding Creek Blvd.
Mechanicsburg, Pa. 17050
Phone: 717.657.9700
Fax: 717.657.9705
5 Corporate Drive
Suite 105 - Bedford, Pa. 15522
Phone: 814.623.5111
Fax: 814.623.2299
www.GatterDiehl.com
Project # 225022.00

GENERAL NOTES

1. ALL CONDUITS ON THE AUDIENCE SIDE OF THE STAGE WALL SHALL BE CONCEALED TO THE MAXIMUM EXTENT POSSIBLE. COORDINATE EXACT ROUTING OF ALL CONDUITS WITH ARCHITECT PRIOR TO ROUGH-IN; DO NOT DRILL THROUGH OR EXCAVATE UNDER RETAINING/FOUNDATION/STEM WALL WITHOUT PRIOR APPROVAL FROM ARCHITECT OR ENGINEER.
2. COORDINATE THE EXACT LOCATION/ DIRECTION OF THE BOLLARD & POLE MOUNTED RECEPTACLES WITH THE OWNER PRIOR TO ROUGH-IN.
3. CONDUITS FOR CIRCUITS LOCATED ON THE SITE IN THE FRONT OF THE STAGE WALL SHALL BE ROUTED UNDER THE EXISTING STEM WALL FOOTING; MINIMIZE THE WIDTH OF THE EXCAVATED AREA BELOW THE STEM WALL FOOTING TO THE MAXIMUM EXTENT POSSIBLE. COORDINATE THE PROPOSED EXCAVATED AREA WITH THE ARCHITECT AND ENGINEER PRIOR TO EXCAVATION.

LIGHTING CONTROL CABINET

1. PROVIDE AND INSTALL A NEMA 3R RATED ENCLOSURE WITH EXHAUST FANS AND STRIP HEATER. SIZE ENCLOSURE AS REQUIRED (IN ACCORDANCE WITH THE NEC). DERIVE POWER FOR EXHAUST FAN AND STRIP HEATER FROM CIRCUIT S-11.

DRAWING NOTES

(1) INSTALL SECONDARY SERVICE CONDUITS UNDER EXISTING STEM WALL AND NEW STORM LINE; COORDINATE INSTALLATION WITH SITE CONTRACTOR PRIOR TO ROUGH-IN. MINIMIZE EXCAVATED AMOUNT OF SPACE BELOW THE STEM WALL FOOTING TO THE MAXIMUM EXTENT POSSIBLE.

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL ENGINEER
RICHARD J. KREIGER
NO. 046770-E

Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional under the laws of the State of PENNSYLVANIA. License No. 046770-E Expiration Date 09/30/2027

FREDERICK, SEIBERT & ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS LANDSCAPE ARCHITECTS LAND PLANNERS
fsa-inc.com
128 SOUTH POTOMAC STREET, HAGERSTOWN, MD 21740, 301.791.3650
20 WEST BALTIMORE STREET, GREENCASTLE, PA 17225, 717.597.1007
505 SOUTH HANOVER STREET, CARLISLE, PA 17013, 717.701.8111
15 EAST MAIN STREET, NEW BLOOMFIELD, PA 17068, 717.275.7531

ARCHITECT
NOELKER AND HULL ASSOCIATES, INC.
30 WEST KING STREET
CHAMBERSBURG, PA | 17201-1540
717.263.8464

STRUCTURAL ENGINEER
M&A Matonak & Associates STRUCTURAL ENGINEERS
MATONAK & ASSOCIATES
931-B SWEENEY DRIVE
HAGERSTOWN, MD | 21740
301.790.0111

© 2025

MARK	DESCRIPTION	DATE

PHASE 4 PLAZA
WASHINGTON & EAST BALTIMORE STREET
GREENCASTLE, PA
GREENCASTLE BOROUGH
60 N WASHINGTON ST., GREENCASTLE, PA 17225
717-597-7143

PROJECT NO. 24035.04
DWN BY AAA
DATE 09.21.2026
PROJECT MANAGER: Lauren Bennett
EMAIL: lbennett@noelkerhull.com
PROPERTY INFORMATION XXX
SCALE AS INDICATED
SHEET TITLE
ELECTRICAL SITE PLAN - POWER

E201

GENERAL ELECTRICAL NOTES:

1. ALL SYSTEMS ARE SHOWN SCHEMATICALLY. THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND INDICATIVE OF THE WORK TO BE PERFORMED. THE DRAWINGS ARE NOT INTENDED TO SHOW EXACT LOCATIONS OR TO SHOW EVERY CONDUCTOR, BOX, TERMINATION OR APPURTENANCE REQUIRED FOR A COMPLETE INSTALLATION.
2. DO NOT SCALE LOCATION DIMENSIONS FROM THESE DRAWINGS.
3. CHECK AND VERIFY ALL CONDITIONS AT THE SITE WITHIN THE CONTRACT LIMITS.
4. IT IS INTENDED THAT THE DRAWINGS AND SPECIFICATIONS SHALL PROVIDE A WORKING INSTALLATION COMPLETE IN EVERY DETAIL AND ALL ITEMS NECESSARY FOR A COMPLETE INSTALLATION SHALL BE FURNISHED AND INSTALLED WHETHER OR NOT SPECIFICALLY INDICATED ON THE DRAWINGS OR DESCRIBED IN THE SPECIFICATIONS.
5. THE OMISSION OF EXPRESSED REFERENCE IN THE DRAWINGS OF SPECIFICATION TO ANY LABOR OR MATERIAL NECESSARY FOR THE PROPER EXECUTION OF THE WORK IN ACCORDANCE WITH PRESENT GOOD PRACTICE OF THE TRADE SHALL NOT RELIEVE THIS CONTRACTOR FROM PROVIDING, AT NO COST, SUCH ADDITIONAL LABOR AND MATERIAL UNDER THIS CONTRACT.
6. ALL INSTALLATION AND WORK SHALL BE PERFORMED IN A NEAT, WORKMANLIKE MANNER SO AS NOT TO DAMAGE ANY SURFACES, EQUIPMENT OR MATERIALS.
7. ALL EQUIPMENT AND MATERIALS INCORPORATED IN THIS WORK SHALL BE NEW UNLESS NOTED OTHERWISE AND SHALL BE CURRENT PRODUCTS BY MANUFACTURERS REGULARLY ENGAGED IN THE PRODUCTION OF SUCH PRODUCTS.
8. MANUFACTURERS AND MODEL NUMBERS REFERENCED ON THESE DRAWINGS ARE FOR REFERENCE ONLY AND TO ESTABLISH A BASIS OF DESIGN. PRODUCTS PROVIDED BY ALTERNATE MANUFACTURERS SHALL BE ACCEPTABLE PROVIDING THEY MEET THE QUALITY STANDARDS REFERENCED HEREIN.
9. INSTALL ALL EQUIPMENT AND MATERIALS IN STRICT ACCORDANCE WITH RESPECTIVE MANUFACTURER'S WRITTEN INSTRUCTIONS. MAINTAIN PROPER WORKING CLEARANCES AROUND ALL EQUIPMENT.
10. COORDINATE ELECTRICAL WORK WITH THE WORK OF ALL OTHER TRADES.
11. ALL DIMENSIONS AND CONDUIT SIZES ARE IN INCHES, UNLESS NOTED OTHERWISE.
12. COORDINATE WORK WITH EXISTING STRUCTURAL AND ARCHITECTURAL FEATURES.
13. SEAL ALL PENETRATIONS THROUGH EXTERIOR WALLS, FLOORS AND ROOFS WATERTIGHT.
14. ALL CONDUITS, CONDUCTORS, EQUIPMENT, ETC. SHALL BE SUPPORTED IN AN APPROVED MANNER BY THE BUILDING STRUCTURE, INCLUDING HANGERS AND RESTRAINTS IN ACCORDANCE WITH ALL APPLICABLE CODES AND SEISMIC RESTRAINT REQUIREMENTS.
15. ALL SYSTEMS SHALL BE TESTED FOR PROPER OPERATIONS IN ACCORDANCE WITH APPLICABLE CODES OR REGULATIONS.
16. INSTALL ALL WORK IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS.
17. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND INSPECTIONS AS REQUIRED TO COMPLETE THE INSTALLATION AS INDICATED ON THESE DRAWINGS.
18. PROVIDE OWNER WITH CERTIFICATES OF FINAL INSPECTIONS AND ACCEPTANCE FROM THE AUTHORITY HAVING JURISDICTION.
19. PROVIDE PULL BOXES NECESSARY TO ACCOMMODATE JOB CONDITIONS AND/OR CODE REQUIREMENTS. ALL PULLBOXES SHALL HAVE AT LEAST ONE REMOVABLE SIDE OR COVER ALLOWING ACCESS TO WIRING AND BE OF SIZE REQUIRED BY CODE AND SPACE LIMITATIONS. COORDINATE LOCATIONS OF PULLBOXES AND INSTALL BOXES AS REQUIRED TO CLEAR PIPING, DUCTWORK, ETC. INSTALLED BY OTHER TRADES. FINAL LOCATIONS TO BE DETERMINED BY CONTRACTOR IN THE FIELD.
20. LIGHT FIXTURES SHALL BE LOCATED AS PER THE ARCHITECTURAL PLANS; COORDINATE PRIOR TO INSTALLING LIGHTING FIXTURES AND MAKE MINOR ADJUSTMENTS TO FIXTURE LOCATIONS AS REQUIRED. REQUEST DIRECTION FROM ARCHITECT PRIOR TO MAKING ANY MAJOR ADJUSTMENTS TO FIXTURE LOCATIONS WHICH MAY BE DEEMED NECESSARY.
21. COORDINATE DEVICE LOCATIONS AND MOUNTING HEIGHTS W/ ARCHITECTURAL PLANS AND DETAILS AND VERIFY LOCATIONS WITH OWNER PRIOR TO ROUGH-IN. OWNER RESERVES RIGHT TO RELOCATE ANY OUTLET WITHIN 5 FEET OF LOCATION INDICATED ON PLANS, PRIOR TO ROUGH-IN, AT NO ADDITIONAL COST.
22. RECEPTACLES SHALL GENERALLY BE MOUNTED IN A VERTICAL POSITION, WITH THE GROUND POLE ON TOP OR AS OTHERWISE DIRECTED.
23. COORDINATE LOCATION AND MOUNTING HEIGHT OF ALL DEVICES WITH ARCHITECTURAL SECTIONS, ELEVATIONS AND DETAILS PRIOR TO ROUGH-IN.
24. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES IN THE FIELD PRIOR TO MOUNTING EQUIPMENT, DEVICES OR OTHER COMPONENTS OF HIS/HER WORK AND PRIOR TO ANY OFFICIAL INSPECTION. COORDINATE ALL CLEARANCES WITH OTHER TRADES COMPONENTS, DEVICES AND OTHER EQUIPMENT THROUGHOUT EACH PHASE OF THE PROJECT.

ABBREVIATIONS & ACRONYMS

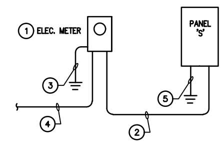
A	AMPERE, AMP(S)	FIXT.	FIXTURE	N.E.C., NEC	NATIONAL ELECTRICAL CODE
AB.	ABOVE	FLEX.	FLEXIBLE	N.I.C.	NOT IN CONTRACT
A.F.G.	ABOVE FINISHED GRADE	FLR	FLOOR	N.T.S.	NOT TO SCALE
ARCH.	ARCHITECTURAL, ARCHITECT	G., GND	GROUND	PH., ø	PHASE
AUX.	AUXILIARY	G.C.	GENERAL CONTRACTOR	PNL	PANEL
BKR	BREAKER	GEN.	GENERAL	PWR	POWER
BLDG	BUILDING	GFI, GFCI	GROUND FAULT INTERRUPTER	QTY	QUANTITY
C.	CONDUIT	J.B., JB	JUNCTION BOX	REC., RECEPT.	RECEPTACLE
CKT	CIRCUIT	LOC.	LOCATION	REQ'D	REQUIRED
CTRL	CONTROL	LT	LIGHT	SEC.	SECONDARY
CU.	COPPER	LTG	LIGHTING	SECT.	SECTION
DBL	DOUBLE	MAX.	MAXIMUM	SPEC(S)	SPECIFICATION(S)
DIA.	DIAMETER	M.C.	MECHANICAL CONTRACTOR	TRANSF., XFMR	TRANSFORMER
DISC.	DISCONNECT	M.C.B.	MAIN CIRCUIT BREAKER	TYP.	TYPICAL
DWG	DRAWING	MFR	MANUFACTURER	U.G.	UNDERGROUND
E.C.	ELECTRIC CONTRACTOR	MIN.	MINIMUM	V	VOLT(S)
ELEC.	ELECTRIC	MTD	MOUNTED	W	WATT
ENCL.	ENCLOSURE			W/	WITH
EQUIP.	EQUIPMENT			W.P., WP	WEATHERPROOF

NOTES:

THE ABOVE SCHEDULE IS STANDARD. ALL ABBREVIATIONS AND ACRONYMS LISTED DO NOT NECESSARILY APPEAR ON THESE DRAWINGS.

ELECTRICAL SYMBOL LIST

- 360° BOLLARD
- POST TOP FIXTURE/STD.
- QUAD RECEPTACLE OUTLET – GROUND FAULT
- DUPLEX RECEPTACLE OUTLET – GROUND FAULT
  - WP – DENOTES WATERPROOF OUTLET
  - WI – DENOTES WEATHERPROOF (IN-USE) COVERPLATE.
- JB JUNCTION BOX
- SAFETY DISCONNECT SWITCH
- POWER AND LIGHT PANEL



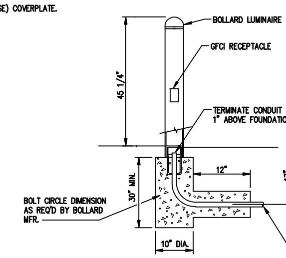
ONE–LINE DIAGRAM – ELECTRICAL

NO SCALE

DRAWING NOTES

1. METER BASE; PROVIDED & INSTALLED BY E.C.
2. 3#3, 1#8G. – 1 1/4"C. TO PANEL LOCATION.
3. GROUND IN ACCORDANCE WITH UTILITY COMPANIES REGULATIONS. (TYP.)
4. TO PROPOSED UTILITY POLE; EXTEND CONDUIT AND CONDUCTORS UP POLE TO HEIGHT REQUIRED BY UTILITY COMPANY.
5. GROUND IN ACCORDANCE WITH THE NEC.

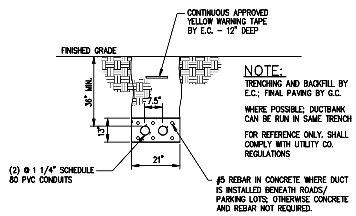
Gatter & Diehl, Inc.
Consulting Engineers
100 Winding Creek Blvd. Mechanicsburg, Pa. 17050 Phone: 717.657.9700 Fax: 717.657.9705
5 Corporate Drive Suite 105 - Bedford, Pa. 15522 Phone: 814.623.5111 Fax: 814.623.2299
www.GatterDiehl.com
Project # 225022.00



NOTE:
- SEE STRUCTURAL DRAWINGS FOR CONCRETE AND REINFORCING STEEL NOTES.

BOLLARD LIGHTING UNIT DETAIL

NO SCALE



NOTE:

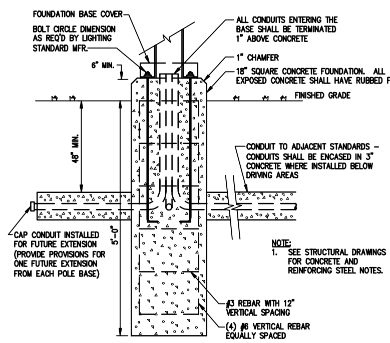
TRENCHING AND BACKFILL BY E.C.; FINAL PAVING BY G.C.

WHERE POSSIBLE; DUCTBANK CAN BE RUN IN SAME TRENCH

FOR REFERENCE ONLY. SHALL COMPLY WITH UTILITY CO. REGULATIONS

DUCTBANK DETAIL – NEW U.G. SECONDARY SERVICE

NO SCALE



NOTE:
1. SEE STRUCTURAL DRAWINGS FOR CONCRETE AND REINFORCING STEEL NOTES.

SECTION VIEW

LIGHTING STANDARD – FOUNDATION DETAIL

NO SCALE

CIRC.	EQUIPMENT	BREAKER	FEEDER	REMARKS	GND
PANEL 'S'	NEMA 3R ENCLOSURE 100 AMP M.C.B. 120/240V – 1 PHASE – 3 WIRE			MOUNTING: SURFACE MIN. A.I.C. RATING: 22K	
1	BOLLARD REC	20A-SP	2#12 – 1/2"C		#12
2	POST TOP REC	20A-SP	2#12 – 1/2"C		#12
3	POST TOP REC	20A-SP	2#12 – 1/2"C		#12
4	BOLLARD REC	20A-SP	2#12 – 1/2"C		#12
5	BOLLARD REC	20A-SP	2#12 – 1/2"C		#12
6	PLANTER REC	20A-SP	2#12 – 1/2"C		#12
7	STAGE LIGHTS	20A-SP	2#12 – 1/2"C		#12
8	POSTTOP/BOLLARD/WALLWASH LTS	20A-SP	2#12 – 1/2"C		#12
9	POSTTOP/BOLLARD/SIGN/FLAG LTS	20A-SP	2#12 – 1/2"C		#12
10	LIGHTING CONTROLS POWER	20A-SP	2#12 – 1/2"C		#12
11	LIGHTING CONTROLS CABINET	20A-SP	2#12 – 1/2"C		#12
12	SPARE	20A-SP			
13	SPARE	20A-SP			
14	SPARE	20A-SP			
15	STAGE RECEPTACLE	20A-SP	2#12 – 1/2"C		#12
16	STAGE RECEPTACLE	20A-SP	2#12 – 1/2"C		#12
17	STAGE RECEPTACLE	20A-SP	2#12 – 1/2"C		#12
18	STAGE RECEPTACLE	20A-SP	2#12 – 1/2"C		#12
19	PLAZA SIGN CONVENIENCE REC	20A-SP	2#12 – 1/2"C		#12
20	SPARE	20A-SP			
21	SPARE	20A-SP			
22	SPARE	20A-SP			
23	SPARE	20A-SP			
24	SPARE	20A-SP			
25	SPARE	20A-SP			
26	SPARE	20A-SP			
27	SPARE	20A-SP			
28	SPARE	20A-SP			
29	SPARE	20A-SP			
30	SPARE	20A-SP			
31	SPACE				
32	SPACE				
33	SPACE				
34	SPACE				
35	SPACE				
36	SPACE				
37	SPACE				
38	SPACE				
39	SPACE				
40	SPACE				
41	SPACE				
42	SPACE				

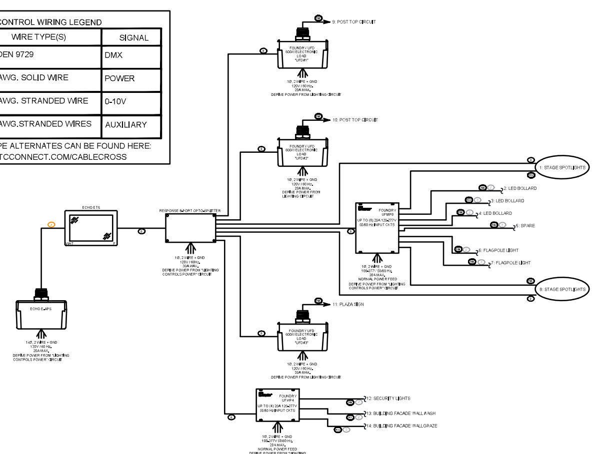
LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LED LUMENS	LED COLOR TEMP.	VOLTS	MOUNTING	REMARKS
OA-12	LED BOLLARD	HOLOPHANE	CLBOLED-CA-P10-27K-MVOLT-GL5-AWS-BK-FGE-AO	1200	2700K	120	SEE BOLLARD DETAIL	
OB-13	DECORATIVE LED POST TOP FIXTURE	PLYMOUTH	LANTERN B9630 WITH POLE 380-BLK	1200	2700K	120	SEE LIGHTING STANDARD	PROVIDE WITH "HAN39-3" & REMOVEABLE LADDER REST OPTIONS; SEE NOTE #1
OC-57	WEATHERPROOF LED FLAGPOLE LIGHT	KIRLIN	LWR-09490-5000L-120-90+-30K-HC-#-38	5000	3000K	120	POLE MOUNTED	# = COORDINATE POLE DIAMETER W/APPROVED FLAGPOLE SUBMITTAL
OD-9	FIXTURE TYPE NOT USED	–	–	–	–	–	–	
OE-25	PROSPOT 6 STAGE SPOT LIGHTS	INSIGHT LIGHTING	PS6-SO-3500K-40-TR-12-DMX-TBL	2300	2700K	120	TRUNNION MOUNTED	
OF-21	LED SECURITY SPOTLIGHT	ACUITY	DSXF1-LED-P1-30K-FL-MVOLT-YKC-DMG-UBV-DBLXD	2682	3000K	120	SURFACE	SEE NOTES #2 & #3; PROVIDE W/BOTTOM VISOR
OG-40	LED WALLWASH FIXTURE – 0-10V DIMMING	TARGETTI	JE-R-41-WW-36-30-*-LV-A-SSS-TORX	3858	3000K	120	IN-GROUND	* = PROVIDE CABLE OPTIONS AS REQUIRED TO FACILITATE INSTALLATION; INSTALL 5'-0" FROM EDGE OF BUILDING TO CENTER OF FIXTURE.
OH-51	LED WALL GRAZE FIXTURE – 0-10V DIMMING	TARGETTI	JE-R-41-WG-48-30-*-LV-A-SSS-TORX	5684	3000K	120	IN-GROUND	* = PROVIDE CABLE OPTIONS AS REQUIRED TO FACILITATE INSTALLATION; INSTALL 4" FROM EDGE OF BUILDING TO CENTER OF FIXTURE.
OJ-53	LED WALLWASH – PLAZA SIGN	ORGATECH	1400S-8-LS-30-AC120-TRI-120-SW-BL-B-P-G	3824	3000K	120	PERMAPOST	AIM FIXTURE AS REQUIRED TO ILLUMINATE SIGN; MOUNT FIXTURE AT LEAST 4" ABOVE GROUND LEVEL

NOTES:
1. PROVIDE WITH DIMMABLE CANDELABRA BULBS; BOD: PHILIPS DIMMABLE 3.3W, 300LM, 2700K, 120V, FOR DAMP LOCATIONS.
2. MOUNT FIXTURE TO THE STAGE SIDE OF THE HSS6X4X1/4 STEEL BEAM; ROUTE WIRING THROUGH STEEL BEAM. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT FIXTURE LOCATIONS. COORDINATE THE FINAL AIMING OF FIXTURES IN THE FIELD.
3. COORDINATE THE EXACT AIMING OF THE FIXTURES IN THE FIELD; FIXTURES TO ILLUMINATE THE STAGE AND STAGE STAIRS WHILE LIMITING THE AMOUNT OF DIRECT LIGHT OBSERVABLE FROM THE PLAZA TO THE MAXIMUM EXTENT POSSIBLE.

CONTROL WIRING LEGEND		
SYMBOL	WIRE TYPE(S)	SIGNAL
D	(1) BELDEN 9729	DMX
PW	(3) #12 AWG. SOLID WIRE	POWER
Z	(2) #16 AWG. STRANDED WIRE	0-10V
A	(2) #16 AWG.STRANDED WIRES	AUXILIARY

APPROVED WIRE TYPE ALTERNATES CAN BE FOUND HERE: HTTPS://WWW.ETCCONNECT.COM/CABLECROSS



NOTES:

1. DIAGRAM SHOWN SOLELY FOR THE CONTRACTOR'S USE IN UNDERSTANDING THE OVERALL SCOPE OF THE SERVICES TO BE PROVIDED. DIAGRAM DOES NOT SHOW ALL CONNECTIONS, TERMINATIONS, OR COMPONENTS. CONTRACTOR SHALL USE THIS DIAGRAM AS AN AID IN COMPREHENDING THE PLANS AND SYSTEM SPECIFICATIONS ONLY. UNDER NO CIRCUMSTANCES SHALL OMISSIONS OF COMPONENTS, CONNECTIONS, OPERATION AND/OR FUNCTION OF SYSTEMS BE ACCEPTED BASED UPON THE PREMISE IT WAS NOT SHOWN ON THESE DIAGRAMS.
2. E.C. IS RESPONSIBLE TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.

LIGHTING CONTROLS ONE–LINE DIAGRAM

NO SCALE

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER RICHARD L. KREIGER NO. 048770-E
Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional under the laws of the State of: PENNSYLVANIA License # 048770-E Expiration Date 09/30/2027

FREDERICK, SEIBERT & ASSOCIATES, INC. © 2025
CIVIL ENGINEERS • SURVEYORS • LANDSCAPE ARCHITECTS • LAND PLANNERS
fsa-inc.com
128 SOUTH POTOMAC STREET HAGERSTOWN, MD 21740 301.791.3650
20 WEST BALTIMORE STREET GREENCASTLE, PA 17225 717.597.1007
505 SOUTH HANOVER STREET CARLISLE, PA 17013 717.701.8111
15 EAST MAIN STREET NEW BLOOMFIELD, PA 17068 717.275.7531

ARCHITECT
NOELKER AND HULL ASSOCIATES, INC.
30 WEST KING STREET CHAMBERSBURG, PA 17201-1540 717.263.8464

STRUCTURAL ENGINEER
M&A Matonak & Associates STRUCTURAL ENGINEERS
MATONAK & ASSOCIATES
931-B SWEENEY DRIVE HAGERSTOWN, MD 21740 301.790.0111

MARK	DESCRIPTION	DATE

PHASE 4 PLAZA

WASHINGTON & EAST BALTIMORE STREET
GREENCASTLE, PA
GREENCASTLE BOROUGH
60 N WASHINGTON ST., GREENCASTLE, PA 17225
717-597-7143

PROJECT NO. 24035.04
DWN BY AAA DATE 09.21.2026
PROJECT MANAGER: Lauren Bennett
EMAIL: lbennett@noelkerhull.com
PROPERTY INFORMATION XXX
SCALE AS INDICATED
SHEET TITLE: ABBREVIATIONS, DETAILS, NOTES, & SCHEDULES

E301

Gatter & Diehl, Inc.
Consulting Engineers
100 Winding Creek Blvd. Mechanicsburg, Pa. 17050 Phone: 717.657.9700 Fax: 717.657.9705
5 Corporate Drive Suite 105 - Bedford, Pa. 15522 Phone: 814.623.5111 Fax: 814.623.2299
www.GatterDiehl.com
Project # 225022.00

16050 BASIC MATERIALS AND METHODS

1. SCOPE OF WORK
   A. FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND SERVICES NECESSARY FOR, AND REASONABLY INCIDENTAL TO THE INSTALLATION IN PLACE, FINISHED AND COMPLETE UNLESS NOTED OTHERWISE, OF ALL ELECTRICAL WORK IN ACCORDANCE WITH THE DRAWINGS AND THESE SPECIFICATIONS.
   B. TEST AND ADJUST ALL EQUIPMENT INSTALLED UNDER THIS SECTION, LEAVING ALL ELECTRICAL SYSTEMS AND EQUIPMENT IN PERFECT OPERATING CONDITION.
   C. UPON COMPLETION OF THE WORK, THOROUGHLY CLEAN ALL EQUIPMENT AND LEAVE IN FIRST-CLASS CONDITION, READY FOR USE BY OWNER'S REPRESENTATIVES.
   D. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EQUIPMENT UNDER THIS SECTION UNTIL THE FINAL ACCEPTANCE OF THE JOB.
2. DRAWINGS
   A. THE LAYOUT OF WIRING AS SHOWN ON THE DRAWINGS SHALL NOT BE CONSIDERED AS ABSOLUTE UNLESS SO NOTED. LAYOUT SHALL BE SUBJECT TO SUCH CHANGES AS WILL FACILITATE ERECTING THE WORK OR, WHERE NECESSARY, TO OVERCOME OBSTACLES IN BUILDING CONSTRUCTION. WHERE A MAJOR DEVIATION FROM THE PLANS IS INDICATED BY PRACTICAL CONSIDERATION, SUBMIT SHOP DRAWINGS TO THE ENGINEER, SHOWING ALL DEVIATIONS IN SUCH DETAIL AS WILL CLEARLY INDICATE THE NECESSITY OR DESIRABILITY FOR THE CHANGE.
3. REGULATIONS
   A. COMPLY WITH THE LATEST REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC). IN ADDITION, COMPLY WITH ALL APPLICABLE STATE, MUNICIPAL OR OTHER AUTHORITY LAWS, RULES AND REGULATIONS.
   B. SECURE AND PAY FOR ANY AND ALL PERMITS AND INSPECTIONS REQUIRED BY ANY OF THE FOREGOING AUTHORITIES, AND PAY ALL OTHER COSTS IN CONNECTION WITH THE WORK. UPON THE COMPLETION OF THE WORK, SECURE FINAL CERTIFICATES OF INSPECTION FROM THE LOCAL INSPECTION ASSOCIATION OR OTHER ACCEPTABLE THIRD-PARTY INSPECTION AGENCY. DELIVER CERTIFICATES IN TRIPLICATE TO THE ARCHITECT.
4. SHOP DRAWINGS AND CATALOG DATA
   A. SUBMIT PDF OF SHOP DRAWINGS, CATALOG CUTS, ETC. FOR ALL SYSTEMS AND EQUIPMENT TO THE ARCHITECT. SHOP DRAWINGS SHALL BE CORRECTED AS DIRECTED BY THE ARCHITECT/ENGINEER AND RESUBMITTED, UNTIL SATISFACTORY. NO WORK SHOWN ON ANY SHOP DRAWINGS SHALL BE EXECUTED UNTIL SUCH DRAWINGS ARE REVIEWED AND RELEASED FOR CONTRACTOR'S USE.
5. MATERIAL SUBSTITUTIONS
   A. UNLESS SPECIFICALLY STATED OTHERWISE, WHERE TYPES OF MATERIALS ARE SPECIFIED BY MANUFACTURER'S NAME AND CATALOG NUMBER, THE BIDDER MAY ASSUME THE PHRASE "OR APPROVED EQUAL", EXCEPT THAT THE BURDEN IS UPON THE BIDDER TO PROVE SUCH EQUALITY. IF THE BIDDER ELECTS TO PROVE SUCH EQUALITY, HE MUST REQUEST THE ARCHITECT'S APPROVAL IN WRITING TO SUBSTITUTE SUCH ITEM FOR THE SPECIFIED ITEM, AND SHALL SUBMIT SUPPORTING DATA, AND SAMPLES IF REQUIRED, TO PERMIT A FAIR EVALUATION OF THE PROPOSED SUBSTITUTION.
6. GENERAL PROVISIONS
   A. THIS CONTRACTOR SHALL EFFECTUALLY PROTECT AT HIS OWN EXPENSE, SUCH OF HIS WORK, MATERIALS, OR EQUIPMENT AS IS LIABLE TO INJURY DURING THE CONSTRUCTION PERIOD. ALL OPENINGS INTO ANY PART OF THE ELECTRICAL SYSTEM, BOTH BEFORE AND AFTER BEING SET IN PLACE, MUST BE SECURELY COVERED OR OTHERWISE PROTECTED TO PREVENT OBSTRUCTION OR INJURY DUE TO CARELESSLY OR MALICIOUSLY DROPPED TOOLS OR MATERIALS, GRIT, DIRT OR FOREIGN MATTER. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL DAMAGE SO DONE, UNTIL HIS WORK IS FULLY AND FINALLY ACCEPTED.
7. UNDERWRITERS LABELS
   A. ALL MATERIALS AND EQUIPMENT FURNISHED UNDER THIS CONTRACT SHALL BEAR THE LABEL OF APPROVAL OF THE UNDERWRITERS LABORATORY, INC (UL).
8. NEW INCOMING ELECTRICAL SERVICE
   A. PROVIDE ELECTRICAL FACILITIES AS SHOWN ON THE DRAWINGS AND AS HEREINAFTER SPECIFIED FOR THE ESTABLISHMENT OF NEW SECONDARY SERVICE FACILITIES. THIS SHALL INCLUDE FURNISHING AND INSTALLING ALL GROUNDING CONDUCTORS, SECONDARY CONDUITS, AND SECONDARY CONDUCTORS AS SHOWN ON THE DRAWINGS AND AS REQUIRED BY THE LOCAL UTILITY COMPANY.
   B. THE ENTIRE INSTALLATION SHALL BE IN ACCORDANCE WITH THE LOCAL UTILITY COMPANY'S REQUIREMENTS AND REGULATIONS. VERIFY ALL REQUIRED FITTINGS, METER BASES, TERMINATIONS, ETC. WITH THE LOCAL UTILITY CO. PRIOR TO INSTALLATION.
9. TEMPORARY ELECTRIC SERVICE
   A. INSTALL AND MAINTAIN TEMPORARY ELECTRIC SERVICE(S) REQUIRED FOR NORMAL CONSTRUCTION ACTIVITIES, INCLUDING CONNECTIONS TO JOB TRAILERS. ELECTRIC CONSUMPTION WILL BE METERED AND THE ELECTRIC BILLS PAID FOR BY THE GENERAL CONTRACTOR. THIS CONTRACTOR SHALL PAY ALL FEES REQUIRED BY THE UTILITY COMPANY IN CONNECTION WITH INSTALLATION OF TEMPORARY SERVICE.
10. GROUNDS
   A. PROVIDE GROUNDING FOR ALL RACEWAYS, DEVICES, AND UTILIZATION EQUIPMENT. ALL GROUNDING AND BONDING CONNECTIONS SHALL BE SOLDERLESS EXCEPT WHERE INDICATED OTHERWISE ON THE DRAWINGS. GROUND FITTINGS AT WATER SYSTEM CONNECTIONS SHALL BE MADE BY EXOTHERMIC WELDS. SYSTEM GROUNDING SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRIC CODE PARTICULARLY ARTICLES 250.
   B. PROVIDE AN INSULATED FULL SIZE GREEN GROUND WIRE IN THE SAME CONDUIT OR CABLE AS THE BRANCH CIRCUIT OR FEEDER CONDUCTORS FOR ALL BRANCH CIRCUITS AND FOR ALL FEEDERS, WHETHER SPECIFICALLY INDICATED ON THE DRAWINGS OR NOT.
   C. ALL CONNECTION OF GROUND CONDUCTORS TO GROUND RODS, BUS BARS, STRUCTURAL MEMBERS, PIPES, OR FENCES AND SPLICES OF GROUND CONDUCTORS SHALL BE MADE BY EXOTHERMIC WELDS EXCEPT WHERE OTHERWISE NOTED. ALL CONNECTIONS TO BAR LUGS SHALL BE EXOTHERMIC WELD OR COMPRESSION TYPE. BOLTED TYPE CONNECTION OF GROUND CONDUCTORS MAY ONLY BE MADE WHERE TERMINAL LUGS OR BLOCK HAVE BEEN FURNISHED AND INSTALLED IN EQUIPMENT BY THE MANUFACTURER, CONNECT BAR LUGS TO BUS BARS OR ENCLOSURES, OR WHERE OTHERWISE NOTED ON THE DRAWINGS. EXOTHERMIC WELDS SHALL BE MADE BY ERICO PRODUCTS, "CADWELD" PROCESS OR BURNDY'S "THERM-O-WELD" PROCESS.
   D. UPON COMPLETION OF WORK, THE RESISTANCE OF GROUND FOR THE ENTIRE ELECTRICAL DISTRIBUTION SYSTEM SHALL NOT EXCEED 25 OHMS UNDER NORMAL DRY CONDITIONS. TESTS OF GROUNDING RESISTANCE SHALL NOT BE MADE WITHIN 24 HOURS AFTER A RAINFALL. IF AFTER TESTING THE SYSTEM IT IS FOUND THAT THE RESISTANCE EXCEEDS 25 OHMS, INSTALL THE NECESSARY NUMBER OF GROUNDS TO REDUCE THE RESISTANCE TO LESS THAN 25 OHMS.
   E. GROUND RODS SHALL BE OF SUFFICIENT LENGTHS TO PENETRATE AT LEAST 6" IN PERMANENT MOIST EARTH BUT NOT LESS THAN 10'-0" IN LENGTH. GROUND RODS SHALL BE COPPER-COATED STEEL AS MANUFACTURED BY COPPERWELD, JOSLYN, OR APPROVED EQUAL.
11. BALANCING
   A. EACH SYSTEM OF FEEDER AND BRANCH CIRCUITS FOR POWER AND LIGHTING SHALL BE CONNECTED TO PANELBOARD BUSES IN SUCH A MANNER THAT LOADS CONNECTED THERETO WILL BE BALANCED ON ALL PHASES AS CLOSELY AS PRACTICABLE. SHOULD THERE BE ANY UNFAVORABLE CONDITION OF BALANCE ON ANY PART OF THE ELECTRICAL SYSTEM, THE ELECTRICAL CONTRACTOR SHALL MAKE CHANGES TO THE ELECTRICAL SYSTEM THAT MAY BE REQUIRED BY THE ARCHITECT TO REMEDY THE UNBALANCED CONDITION. BEFORE FINAL ACCEPTANCE BY THE ARCHITECT, THE CONTRACTOR SHALL SUBMIT READINGS OF ALL PHASE LEGS AT EACH PANEL WITH THE LIGHTING AND POWER CIRCUITS "ON". ALL CONDUCTORS FOR THE SYSTEM SHALL BE CONNECTED IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE.
12. EXCAVATION AND BACKFILL
   A. EXCAVATION SHALL BE UNCLASSIFIED AND INCLUDE (WITHOUT LIMITATION THERETO) EXCAVATION AND REMOVAL OF ALL BITUMINOUS AND/OR CONCRETE PAVING, SOIL, SHALE, ROCK, BOULDERS, EXISTING FOUNDATIONS, FILL, AND EVERY KIND OF SUBSURFACE CONDITION ENCOUNTERED WITHIN CONTRACT LIMITS INDICATED BY DRAWINGS OR AS DESCRIBED HEREIN. PERFORM INVESTIGATION OF EXISTING SUBSURFACE CONDITION, AND ASSUME ALL RESPONSIBILITY IN EXCAVATION FOR THIS PROJECT ASSOCIATED WITH THIS CONTRACT. BLASTING WILL NOT BE PERMITTED.
   B. PERFORM ALL NECESSARY EXCAVATING OF WIDTHS AND TO DEPTHS REQUIRED FOR THE INSTALLATION OF MANHOLES, BOX PADS, CONCRETE FOUNDATIONS, UNDERGROUND DUCT BANKS, AND OTHER EQUIPMENT AND MATERIALS AS SHOWN ON THE DRAWINGS AND HEREIN SPECIFIED.
   C. PRIOR TO SUBMITTING A BID PRICE AND PRIOR TO COMMENCING ANY WORK, CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH LOCAL ORDINANCES AND AMENDMENTS AND SHALL CONTACT THE APPROPRIATE AUTHORITIES TO OBTAIN ALL REGULATIONS AND REQUIREMENTS WHICH MUST BE FOLLOWED. SECURE ALL NECESSARY PERMITS BEFORE THE START OF ANY WORK.
   D. COMPLY WITH REQUIREMENTS OF THE PA UNDERGROUND UTILITY PROTECTION ACT (ACT NO. 287, PA ONE-CALL SYSTEM).
   E. PROVIDE FINAL GRADING, FINISHING, PAVING AND SEEDING AT ALL EXCAVATED AREAS, EXCEPT WHERE NEW SURFACES ARE BEING PROVIDED AS A PART OF THE GENERAL SITE WORK CONTRACT. THIS SHALL INCLUDE ALL BACKFILLING AND PAVING OF ROADWAYS, SIDEWALKS AND OTHER PAVED AREAS ASSOCIATED WITH THIS CONTRACT. ALL SURFACES SHALL BE RESTORED TO THE SATISFACTION OF THE OWNER/ARCHITECT.
13. WARRANTY:
   A. CONTRACTOR WARRANTS THAT THE MATERIALS AND WORKMANSHIP USED IN THE ERECTION OF THIS INSTALLATION ARE AS HEREIN SPECIFIED. MAKE GOOD ANY DEFECTS IN SAME WHICH BECOME APPARENT WITHIN ONE (1) YEAR FROM DATE OF SUBSTANTIAL COMPLETION OF WORK, PROVIDING SUCH DEFECTS ARE DUE TO FAULTY MATERIALS OR WORKMANSHIP AND NOT TO MISUSE OF APPARATUS.
14. EXECUTION
   A. ALL WORK SHALL BE INSTALLED IN A FIRST-CLASS, NEAT AND WORKMANLIKE MANNER BY MECHANICS SKILLED IN THE TRADE INVOLVED. THE QUALITY OF WORKMANSHIP SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER. ANY WORK FOUND TO BE OF INFERIOR QUALITY AND/OR WORKMANSHIP SHALL BE REPLACED AND/OR REWORKED, AT NO ADDITIONAL COST, UNTIL ACCEPTABLE TO THE ENGINEER.
   B. ALL MATERIALS SHALL BE NEW, THE BEST OF THEIR RESPECTIVE KINDS WITHOUT IMPERFECTIONS OR BLEMISHES, AND SHALL BE PROTECTED FROM THE ELEMENTS PRIOR TO INSTALLATION IN THE BUILDING.
   C. THE DRAWINGS ARE GENERALLY INDICATIVE OF THE WORK TO BE INSTALLED, BUT DO NOT INDICATE ALL BENDS, FITTINGS, BOXES, ETC., WHICH MAY BE REQUIRED. CAREFULLY INVESTIGATE THE STRUCTURAL AND FINISH CONDITIONS AFFECTING THE WORK; ARRANGE WORK AND PROVIDE FITTINGS, ETC. ACCORDINGLY AND AS MAY BE REQUIRED TO MEET SUCH CONDITIONS.
15. INSTRUCTIONS TO OPERATING PERSONNEL
   A. USING QUALIFIED PERSONNEL, APPROVED BY THE ARCHITECT AND THOROUGHLY FAMILIAR WITH EACH COMPLETED INSTALLATION, INSTRUCT THE OWNER'S OPERATING PERSONNEL IN THE PROPER OPERATION AND CARE OF ALL SYSTEMS, EQUIPMENT AND APPARATUS PROVIDED UNDER THIS CONTRACT.
16. FIELD MEASUREMENTS
   A. BEFORE ORDERING ANY MATERIAL OR DOING ANY WORK, VERIFY ALL MEASUREMENTS AT THE SITE, BEING RESPONSIBLE FOR THE CORRECTNESS OF SAME. NO EXTRA COMPENSATION WILL BE ALLOWED ON ACCOUNT OF DIFFERENCE BETWEEN ACTUAL DIMENSIONS AND MEASUREMENTS AND THOSE INDICATED ON THE DRAWINGS. ANY SIGNIFICANT DIFFERENCE THAT MAY BE FOUND SHALL BE SUBMITTED TO THE ARCHITECT FOR CONSIDERATION BEFORE PROCEEDING WITH THE WORK.
17. IDENTIFICATION LABELS
   A. LABEL ALL ELECTRICAL EQUIPMENT AS HEREINAFTER DESCRIBED AND AS DIRECTED BY THE ARCHITECT. ALL PANELS, JUNCTION BOXES, BREAKERS, ETC. SHALL BE PROPERLY LABELED. ALL LABELS, EQUIPMENT TO BE LABELED, COLOR, AND DESIGNATIONS SHALL BE AS DIRECTED BY THE ARCHITECT AND OR OWNER.
   B. IDENTIFICATION LABELS FOR EQUIPMENT SHALL NOT EXCEED 2" OR 3" IN LENGTH AND 1" IN HEIGHT. BLACK LETTERS SHALL BE 1/4" HIGH ON WHITE BACKGROUND. LABELS SHALL BE MANUFACTURED OF ENGRAVED MICARTA OR BAKELITE WITH PRESSURE-SENSITIVE BACKING, AND SHALL BE COLORFAST. ADHESIVE BACKING SHALL BE CHEMICALLY COMPOUNDED TO HOLD TIGHT AND FAST AT WIDE TEMPERATURE EXTREMES. LABELS SHALL BE ADDITIONALLY SECURED WITH SCREWS OR RIVETS. FLEXIBLE PLASTIC PUNCHED TAPES WILL NOT BE ACCEPTABLE. LABELS SHALL BE ADDITIONALLY SECURED WITH SCREWS OR RIVETS. FLEXIBLE PLASTIC PUNCHED TAPES WILL NOT BE ACCEPTABLE. COORDINATE LABELS WITH THOSE BEING SUPPLIED UNDER OTHER CONTRACTS.
18. FINAL CLEANUP
   A. PRIOR TO THE DATE SET FOR FINAL INSPECTION AND AT THE DIRECTION OF THE ARCHITECT, CLEAN ALL NEW LIGHTING FIXTURES, RECEPTACLE PLATES, AND ELECTRICAL EQUIPMENT IN GENERAL, AS REQUIRED TO REMOVE DUST, PAINT SPLASHES, LABELS, ETC.

16110 RACEWAYS

1. METALLIC CONDUIT
   A. RIGID (RGS) AND INTERMEDIATE (IMC) CONDUIT SHALL BE OF MILD STEEL PIPING, ZINC COATED. EACH PIECE OF CONDUIT SHALL BE STRAIGHT, FREE FROM BLISTERS AND OTHER DEFECTS, CUT SQUARE AND TAPER REAMED AND SHALL BE FURNISHED IN 10 FOOT LENGTHS, THREADED AT EACH END. COUPLINGS SHALL BE SUPPLIED AT ONE END AND PROTECTION FOR THE OTHER END. ALL THREADS SHALL BE CLEARLY CUT. EACH LENGTH SHALL BE UL-LABELED.
   B. THIN WALL CONDUIT (EMT) SHALL BE OF SAME GENERAL CONSTRUCTION AS RIGID CONDUIT SPECIFIED ABOVE, EXCEPT FOR WALL THICKNESS AND FITTINGS, WHICH SHALL BE OF THE COMPRESSION TYPE. SET SCREW TYPE FITTINGS WILL NOT BE ACCEPTABLE.
2. PLASTIC CONDUIT
   A. PLASTIC CONDUIT SHALL BE TYPE II, SCHEDULE 40, AS MANUFACTURED BY CARLON PRODUCTS CORPORATION OR APPROVED EQUAL. PLASTIC CONDUIT SHALL BE COMPOSED OF MODIFIED HIGH IMPACT STYRENE CONFORMING TO THE SOCIETY OF THE PLASTICS INDUSTRY STANDARDS.

16120 WIRES AND CABLES

1. CONDUCTORS AND CABLE
   A. ALL WIRE SHALL BE 98 PERCENT CONDUCTIVITY COPPER, SINGLE CONDUCTOR RUBBER OR PLASTIC COVERED, TYPE "THHN" GRADE OR BETTER WITH 600 VOLT INSULATION.
   B. WIRE IN SIZES UP TO AND INCLUDING NO. 10 AWG, EXCLUDING CONTROL WIRING, SHALL BE SOLID CONDUCTOR. WIRE NO. 8 AWG AND LARGER SHALL BE STRANDED.
   C. UTILIZE TYPE "THWN" WIRE FOR ALL PANEL FEEDERS.

16130 BOXES

1. OUTLET BOXES
   A. PROVIDE OUTLET BOXES OF PROPER TYPE AND SIZE AS REQUIRED AT ALL OUTLETS. SECURE BOXES FIRMLY IN PLACE AND SET TRUE, SQUARE WITH BUILDING LINES.
   B. CONCEALED OUTLET BOXES SHALL BE PRESSED STEEL NOT LESS THAN 3-1/2" X 1-1/2" DEEP AND PROVIDED WITH THE PROPER SIZE KNOCKOUTS FOR THE CONDUITS OR CONNECTORS. ALL UNUSED KNOCKOUTS MUST REMAIN CLOSED. MULTIPLE GANG SWITCH BOXES SHALL BE AT LEAST 2-1/4 INCHES DEEP.
2. JUNCTION BOXES
   A. PROVIDE JUNCTION BOXES OF AMPLE SIZE AS REQUIRED BY THE CONSTRUCTION. BOXES CONSTRUCTED OF SHEET METAL SHALL BE CODE GAUGE STEEL WITH RIVETED OR WELDED JOINTS, GALVANIZED OR SHERARDIZED AFTER FABRICATION, AND HEAVY-GAUGE COVERS OF THE SAME MATERIAL WHICH SHALL BE SCREWED OR HINGED TO THE BOX. PROVIDE ALL LARGE JUNCTION OR PULL BOXES WITH HARDWOOD RACKS OR SUPPORTS TO SUPPORT CABLES AND PERMIT NEAT FORMING OF CABLES THROUGH THESE BOXES. PROVIDE BARRIERS IN BOXES WHERE SYSTEM WIRING PASSES THROUGH PULL OR JUNCTION BOXES; BARRIERS SHALL EXTEND THE FULL DEPTH OF BOX.
3. INSTALLATION OF PULL AND JUNCTION BOXES:
   A. SIZE: PULL AND JUNCTION BOXES FOR FEEDER AND BRANCH CIRCUITS SHALL BE OF ADEQUATE SIZE TO COMPLY WITH NEC VOLUME REQUIREMENTS, BUT IN NO CASE SMALLER THAN SIZES INDICATED.
   B. CABLE SUPPORTS: INSTALL CLAMPS, GRIDS, OR DEVICES TO WHICH CABLES MAY BE SECURED. ARRANGE CABLES SO THEY MAY BE READILY IDENTIFIED. SUPPORT CABLE AT LEAST EVERY 30-INCHES INSIDE BOXES.
   C. MOUNT PULL BOXES IN INACCESSIBLE CEILINGS WITH THE COVERS FLUSH WITH THE FINISHED CEILING.

16140 WIRING DEVICES

1. CONVENIENCE OUTLETS
   A. PROVIDE COMMERCIAL GRADE CONVENIENCE RECEPTACLES IN SINGLE- AND DUPLEX-OUTLET CONFIGURATIONS OF THE STYLES AND TYPES INDICATED PER THE CONTRACT DOCUMENTS AND AS REQUIRED BY THE APPLICATION. RECEPTACLES SHALL BE RATED AT NOT LESS THAN 20 AMPERES AT 125 VOLTS AC (NEMA 5-20R). RECEPTACLES SHALL FEATURE TRIPLE-WIPE POWER CONTACTS CONSTRUCTED OF BRASS. RECEPTACLES SHALL BE DESIGNED FOR BACK AND SIDE WIRING WITH PROVISIONS FOR SPLIT CIRCUIT WIRING VIA BREAK OFF TABS. RECEPTACLES SHALL ACCEPT #14, #12 AND #10 AWG SOLID OR STRANDED WIRE. BACK WIRING CLAMPS SHALL BE V-SHAPED AND SERRATED FOR THREE-POINT CONTACT WITH WIRES. RECEPTACLES SHALL FEATURE A PLATED STEEL MOUNTING STRAP WITH GROUND CONTACT AND SELF-GROUNDING CLIP. MOLDED PARTS OF RECEPTACLES SHALL BE CONSTRUCTED FROM IMPACT-RESISTANT THERMOPLASTIC NYLON. VERIFY COLOR SELECTIONS WITH ARCHITECT.
2. GROUND FAULT CONVENIENCE OUTLETS (GFCI)
   A. DESIGNER STYLE RECEPTACLES SHALL:
      1) GENERALLY, COMPLY WITH THE ABOVE SPECIFIED REQUIREMENTS FOR COMMERCIAL GRADE RECEPTACLES.
      2) BE SHAPED AS A SMOOTH-FACED, ROUNDED-EDGE RECTANGLE.
   B. GROUND FAULT CIRCUIT INTERRUPTING (GFCI) RECEPTACLES SHALL:
      1) GENERALLY COMPLY WITH THE ABOVE SPECIFIED REQUIREMENTS FOR COMMERCIAL GRADE CONVENIENCE RECEPTACLES.
      2) GFCI DEVICES SHALL HAVE AN AUTO-MONITORING FUNCTION THAT WILL ALLOW FOR SELF-TESTING.
      3) COMPLY WITH UL 943 REQUIREMENTS.
      4) COMPLY WITH UL CLASS A REQUIREMENTS.
      5) FEATURE TRIP THRESHOLD THAT SHALL MEET OR EXCEED UL REQUIREMENTS FOR TRIP TIME.
      6) FEATURE TRIP TEST AND RESET BUTTONS.
      7) FEATURE A TRIP INDICATOR LIGHT.
      8) FEATURE LOCKOUT PROTECTION. IF CRITICAL COMPONENTS ARE DAMAGED AND GROUND FAULT PROTECTION IS LOST, POWER TO RECEPTACLE IS DISCONNECTED.
3. WALL PLATES
   A. WEATHERPROOF WHILE-IN-USE COVERS:
      1) BODY, COVER AND PLATES SHALL BE MADE OF POLYCARBONATE. SHALL BE NON-CONDUCTIVE AND NON-CORROSIVE.
      2) GASKET SHALL BE PRE-APPLIED. CONSTRUCTED OF CLOSED-CELL FOAM, NEOPRENE BLEND REGULAR DENSITY AND UL RATED HBF.
      3) SHALL PROVIDE A WATER CHANNEL, WHICH KEEPS WATER MOVING OUTSIDE WHILE CORD FLAP KEEPS THE INSIDE DRY.
      4) SHALL BE ABLE TO MOUNT VERTICALLY OR HORIZONTALLY.
      5) MUST CONFORM TO NEMA 3R.
4. INSTALLATION
   A. INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
   B. ALL RECEPTACLES AND POWER OUTLETS SHALL BE LABELED IN ACCORDANCE W/ OWNER REQUIREMENTS INCLUDING BUT NOT LIMITED TO PANELBOARD NAME AND CIRCUIT NUMBER (EXAMPLE...LP-24). COORDINATE EXACT LABELING REQUIREMENTS WITH OWNER PRIOR TO INSTALLATION.
   C. INSTALL WIRING DEVICES AND ACCESSORIES AS INDICATED, IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS, APPLICABLE REQUIREMENTS OF NEC AND IN ACCORDANCE WITH RECOGNIZED INDUSTRY PRACTICES TO FULFILL PROJECT REQUIREMENTS.
   D. COORDINATE WITH OTHER WORK, INCLUDING PAINTING, ELECTRICAL BOXES AND WIRING INSTALLATIONS, AS NECESSARY TO INTERFACE INSTALLATION OF WIRING DEVICES WITH OTHER WORK.
   E. EXACT FIELD LOCATIONS OF FLOORS, WALLS, PARTITIONS, DOORS, WINDOWS, AND EQUIPMENT MAY VARY FROM LOCATIONS SHOWN ON THE DRAWINGS. PRIOR TO LOCATING SLEEVES, BOXES AND CHASES FOR ROUGHING-IN OF CONDUIT AND EQUIPMENT, THE E.C. SHALL CHECK WITH OTHER CONTRACTORS CONCERNED, TO DETERMINE EXACT FIELD LOCATION OF THE ABOVE ITEMS. IN ADDITION, THE E.C. SHALL CHECK FOR EXACT DIRECTION OF DOOR SWINGS SO THAT LOCAL SWITCHES ARE PROPERLY LOCATED ON THE STRIKE SIDE.
   F. INSTALL WIRING DEVICES ONLY IN ELECTRICAL BOXES THAT ARE CLEAN AND FREE FROM BUILDING MATERIALS, DIRT AND DEBRIS.
   G. INSTALL WIRING DEVICES AFTER WIRING WORK IS COMPLETED.
   H. INSTALL WALL PLATES AFTER PAINTING WORK IS COMPLETED. USE GALVANIZED STEEL WALL PLATES IN UNFINISHED SPACES UNLESS OTHERWISE NOTED.
   I. WHERE MORE THAN ONE WIRING DEVICE OCCURS IN ANY ONE LOCATION, ARRANGE DEVICES IN GANGS WITH COMMON COVER PLATE. WHERE GANGED SWITCHES SERVING 277V LIGHTING ARE SERVED BY DIFFERENT CIRCUITS, SO AS TO RESULT IN THE VOLTAGE BETWEEN SWITCHES EXCEEDING 300V, PROVIDE BARRIERS IN BOX PER NEC SECTION 404.8(B).

16450 GROUNDING

1. PROVIDE AN INSULATED FULL SIZE GROUND WIRE IN THE SAME CONDUIT AS THE BRANCH CIRCUIT.
2. ALL GROUNDING & BONDING SHALL BE IN ACCORDANCE WITH NEC 250.
3. EQUIPMENT GROUNDING: METALLIC STRUCTURES, ENCLOSURES, RACEWAY, JUNCTION BOXES, OUTLET BOXES, CABINETS, AND OTHER CONDUCTIVE ITEMS SHALL BE BONDED AND GROUNDED.
4. RECEPTACLES SHALL BE GROUNDED TO THE OUTLET BOX BY MEANS OF A BONDING JUMPER BETWEEN THE OUTLET BOX AND THE RECEPTACLE GROUNDING TERMINAL.
5. GROUND LIGHT FIXTURES TO THE EQUIPMENT GROUNDING CONDUCTOR OF THE WIRING SYSTEM.

16470 PANELBOARDS

1. PANELBOARDS
   A. PANELS SHALL BE DEAD FRONT, SAFETY TYPE PANELBOARDS, MADE UP OF MOLDED INSULATING SECTIONS AND ARRANGED SO THAT EACH SECTION CAN BE EASILY REMOVED WITHOUT DISTURBING THE OTHERS. BRANCH CIRCUIT CONNECTIONS TO THE MAIN BUS SHALL PROVIDE SEQUENCE (FULL DISTRIBUTED) PHASING. PROVIDE SEPARATE GROUND BUS WITH INDIVIDUAL BUS CONNECTIONS FOR EACH BRANCH CIRCUIT GROUND CONNECTION. GROUND BUS SHALL BE RATED AT FULL SIZE CAPACITY OF THE RATED CURRENT OF THE MAIN BUS.
   B. PROVIDE PANELS WITH MAINS SIZE, VOLTAGE AND PHASE RATINGS; AND CIRCUIT BREAKER TYPES, QUANTITIES, TRIP RATINGS, ETC; ALL AS SCHEDULED ON THE ELECTRICAL DRAWINGS. CIRCUIT BREAKERS SHALL BE BOLT-ON, QUICK-MAKE AND QUICK-BREAK THERMAL MAGNETIC TYPE. SERIES RATED INTERRUPTING CAPACITY WILL NOT BE ACCEPTABLE.
   C. CABINETS SHALL BE OF CODE GAUGE GALVANIZED STEEL. FRONT SHALL CONSIST OF A FLAT PIECE OF SHEET STEEL WITH AN OPENING TO WHICH THE PANELBOARD DOOR IS ATTACHED BY MEANS OF SEMI-CONCEALED HINGES. DOOR SHALL BE PROVIDED WITH FLUSH TYPE, COMBINATION CYLINDER LATCH AND LOCK AND SHALL BE KEYED ALIKE. MINIMUM ACCEPTABLE CABINET WIDTH SHALL BE 20 INCHES.
   D. WHERE CALLED FOR ON SCHEDULE, "SPACE" SHALL MEAN TO INCLUDE ALL NECESSARY BUS, DEVICE SUPPORTS AND CONNECTIONS.
   E. ALL CURRENT CARRYING PARTS SHALL BE OF 98% CONDUCTIVITY COPPER.
   F. PANELBOARDS SHALL BE MANUFACTURED BY ABB, EATON, SIEMENS OR SQUARE D. ALL COMPONENTS OF PANELBOARDS SHALL BE THE PRODUCT AND ASSEMBLY OF THE SAME MANUFACTURER.
   G. A TYPEWRITTEN SCHEDULE OF CIRCUITS, APPROVED BY THE ENGINEER, SHALL BE PROVIDED WITH PLASTIC COVER AND MOUNTED IN A SUITABLE FRAME ON THE INSIDE OF EACH PANEL CABINET DOOR. HANDWRITTEN SCHEDULES MAY BE UTILIZED DURING CONSTRUCTION BUT SHALL NOT BE ACCEPTABLE FOR THE FINAL INSTALLATION.
      1) CIRCUIT DIRECTORY/CIRCUIT IDENTIFICATION SHALL BE WRITTEN SO THAT EACH CIRCUIT SHALL INCLUDE A DEGREE OF DETAIL TO ALLOW EACH CIRCUIT TO BE DISTINGUISHED FROM ALL OTHERS. THIS IDENTIFICATION SHALL BE IN ACCORDANCE WITH NEC 408.4 (FIELD IDENTIFICATION REQUIRED).
2. AVAILABLE FAULT CURRENT FIELD MARKING
   A. ENGRAVED NAMEPLATES, MOUNTED ON THE FACE OF THE ASSEMBLY, SHALL BE FURNISHED ON THE FACE OF THE SERVICE EQUIPMENT SECTION. NAMEPLATES SHALL BE LAMINATED PLASTIC, WHITE CHARACTERS ON RED BACKGROUND. CHARACTERS SHALL BE 1-INCH HIGH, MINIMUM.
      1) NAMEPLATES SHALL HAVE THESE THREE ITEMS LISTED:
         a. "MAXIMUM AVAILABLE FAULT CURRENT"
         b. SHALL LIST THE FAULT CURRENT IN AMPS.
         c. SHALL LIST THE DATE THAT THE FAULT CURRENT CALCULATION WAS PERFORMED.
      2) THE FAULT CURRENT SHALL BE OBTAINED FROM THE LOCAL UTILITY COMPANY.
      3) LABEL SHALL COMPLY WITH NEC 110.24.

16475 OVERCURRENT PROTECTIVE DEVICES

1. CIRCUIT BREAKERS
   A. FURNISH AND INSTALL CIRCUIT BREAKERS OF SIZES SHOWN OR OF PROPER CAPACITY TO ACCOMMODATE CONNECTED LOAD.
   B. CIRCUIT BREAKERS SHALL BE QUICK-MAKE/QUICK-BREAK TYPE, HAVING TUMBLER MECHANISM FULL CONTACT POSITIVE PRESSURE UNTIL TIME OF OPENING WHEN OPERATED MANUALLY OR AUTOMATICALLY. STATIONARY, NON-WELDING CONTACTS SHALL BE AN INTEGRAL PART OF THE BREAKER. MECHANISM SHALL TRIP FREE FROM THE HANDLE SO THAT THE CONTACTS CANNOT BE HELD CLOSED AGAINST SHORT CIRCUIT OR OVERLOAD. THE BREAKER SHALL BE OPERATIVE IN ANY POSITION AND REMOVABLE FROM FRONT OF ENCLOSURE. BREAKERS SHALL BE BOLT-ON TYPE.
   C. ENCLOSED BREAKERS SHALL BE HOUSED IN SHEET STEEL CABINETS, FINISHED GREY INSIDE AND OUT, WITH EXTERNAL OPERATING HANDLE. FRONT OF CABINET SHALL BE CLEARLY MARKED AS TO THE POSITION OF SWITCH (ON/OFF/TRIPPED). POSITION OF HANDLE SHALL INDICATE THE POSITION OF BREAKER.
   D. EACH BREAKER SHALL BE EQUIPPED WITH SOLDERLESS LUGS OF SIZE TO ACCOMMODATE SIZE OF WIRE USED.

16500 EXTERIOR LUMINAIRES

1. LUMINAIRES
   A. THE TYPE AND WATTAGE OF EACH FIXTURE IS NOTED ON THE DRAWINGS. IF TYPE AND WATTAGE ARE OMITTED ON ANY OUTLET, A FIXTURE OF THE TYPE AND SIZE SPECIFIED FOR A SIMILAR LOCATION SHALL BE FURNISHED AND INSTALLED OR SHOULD BE CALLED TO THE ARCHITECT'S ATTENTION BEFORE FINAL BIDDING DATE.
   B. FIXTURES LOCATED IN AREAS WHERE EXPOSED TO WATER OR DAMPNESS SHALL BE WATERPROOF AND GASKETED, SUITABLE FOR LOCATION IN WHICH INSTALLED. ALL METAL SCREWS AND FRAME SHALL BE NON-FERROUS METAL.
   C. ALL FIXTURES SHALL BE OF SUCH DESIGN THAT NO LIGHT LEAKS WILL BE ENCOUNTERED AFTER INSTALLATION OF FIXTURE IN PLACE. ANY MODIFICATIONS OF FIXTURES NECESSARY TO ACHIEVE SAME SHALL BE DONE AT THIS CONTRACTOR'S EXPENSE.
   D. UNLESS OTHERWISE HEREINAFTER SPECIFIED, TRIMS FOR RECESSED FIXTURES SHALL BE FINISHED IN BAKED WHITE ENAMEL. THE FINISHES OF ALL SURFACE, SUSPENDED OR WALL MOUNTED FIXTURES SHALL BE AS SELECTED BY THE ARCHITECT.
   E. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ORDERING THE CORRECT TYPE LIGHTING FIXTURE WITH ALL ASSOCIATED HARDWARE, MOUNTING ACCESSORIES AND TRIMS, FOR ACCOMMODATING THE LOCATION IN WHICH LIGHT FIXTURES ARE TO BE INSTALLED, REGARDLESS OF CATALOG NUMBERS SPECIFIED.
   F. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ORDERING THE CORRECT QUANTITY OF FIXTURES AT THE VOLTAGE AS INDICATED ON THE DRAWINGS BY CIRCUITING - NOT THE CATALOG NUMBER. CATALOG NUMBERS ARE INDICATED TO ESTABLISH THE QUALITY, TYPE AND STYLE TO BE PROVIDED.
   G. FIXTURE QUANTITIES SHALL BE AS SHOWN ON THE ELECTRICAL DRAWINGS.
2. LED LUMINAIRES
   A. COMPLY WITH IES LM-79 APPROVED METHOD FOR MEASURING LUMEN MAINTENANCE OF LED LIGHT SOURCES.
   B. COMPLY WITH IES LM-80 APPROVED METHOD FOR ELECTRICAL AND PHOTOMETRIC MEASUREMENT OF SSL PRODUCT.
   C. LED'S SHALL BE RESTRICTION OF HAZARDOUS SUBSTANCES DIRECTIVE (ROHS) COMPLIANT.
   D. LED LUMINAIRES SHALL DELIVER A MINIMUM LUMENS PER WATT EQUAL TO (OR EXCEEDING) THE BASIS OF DESIGN.
3. LED POWER SUPPLIES AND DRIVERS:
   A. POWER FACTOR: 0.90 OR HIGHER.
   B. MAXIMUM DRIVER CASE TEMPERATURE NOT TO EXCEED DRIVER MANUFACTURER RECOMMENDED IN-SITU OPERATION.
   C. OUTPUT OPERATING FREQUENCY: 60HZ.
   D. INTERFERENCE: EMI AND RFI COMPLIANT WITH FCC 47 CFR PART 15.
   E. TOTAL HARMONIC DISTORTION RATING: 20% MAXIMUM.
   F. MEET ELECTRICAL AND THERMAL CONDITIONS AS DESCRIBED IN LM-80 SECTION 5.0.
4. DIMMING DRIVERS:
   A. ALL FIXTURES INDICATED AS BEING DIMMER CONTROLLED SHALL BE PROVIDED WITH A DIMMER CONTROLLABLE DRIVER.
      1) 0-10V DIMMING LIGHTING CONTROLS: WHERE DIMMING BALLAST IS INTEGRATED INTO THE DIGITAL LIGHTING CONTROL SYSTEM OR 0-10V DIMMING IS INDICATED THE COMPATIBLE DRIVER/BALLAST SHALL BE PROVIDED WITH 0-10V CAPABILITIES; 100% TO 1% DIMMING. THE BASIS OF DESIGN SHALL BE THE ECO-SYSTEM BALLAST AS MANUFACTURED BY LUTRON (OR COMPARABLE BALLAST THAT IS COMPATIBLE WITH THE LIGHTING CONTROL SYSTEM).
      2) WHERE AS NOTED IN DRAWINGS AND/OR SPECIFICATIONS THE INTENT IS TO HAVE THE LIGHTING CONTROL SYSTEM, LIGHTING CONTROLS AND ASSOCIATED DRIVER/BALLAST TO BE COMPATIBLE.
5. INSTALLATION
   A. INSTALL IN ACCORDANCE WITH REQUIREMENTS OF SECTION 16050 AND MANUFACTURER'S RECOMMENDATIONS.
   B. FIXTURES:
      1) FIXTURE AND/OR FIXTURE OUTLET BOXES SHALL BE PROVIDED WITH HANGERS TO ADEQUATELY SUPPORT THE COMPLETE WEIGHT OF THE FIXTURE. SPECIAL HANGER SYSTEMS SHALL BE FURNISHED WHERE REQUIRED. PROVIDE ALL NECESSARY ADDITIONAL AUXILIARY SUPPORTING STEEL FOR FIXTURES NOT MOUNTED ON BUILDING FRAMEWORK, AND WHERE NECESSARY. FIXTURES MOUNTED ON OUTLET BOXES SHALL BE RIGIDLY SECURED TO A FIXTURE STUD IN THE OUTLET BOX. HICKIES OR EXTENSION PIECES SHALL BE INSTALLED WHERE REQUIRED TO FACILITATE PROPER INSTALLATION.
      2) COORDINATE EXACT LUMINAIRE MOUNTING HEIGHTS AND LOCATIONS WITH ARCHITECTURAL PLANS AND ELEVATIONS.
6. SITE LIGHTING POLES, LUMINAIRES, AND FOUNDATIONS:
   A. LUMINAIRES:
      1) LUMINAIRES SHALL BE WEATHERPROOF, HEAVY DUTY, AND DESIGNED FOR ADEQUATE HEAT DISSIPATION OF LAMP/BALLAST HEAT.
      2) LIGHT DISTRIBUTION PATTERN SHALL BE AS SHOWN ON THE DRAWINGS OR OTHERWISE SHOWN ON MANUFACTURERS DATA SHEETS OF SPECIFIED FIXTURE.
      3) INCORPORATE BALLASTS IN THE LUMINAIRE HOUSING UNLESS OTHERWISE NOTED.
      4) LENSES SHALL BE FRAME MOUNTED AND HEAT RESISTANT. FRAME SHALL BE ATTACHED TO THE LUMINAIRE HOUSING BY HINGES, CHAIN, OR CABLE.
      5) UTILIZE HEAT AND AGING RESISTANT GASKETS TO SEAL REMOVABLE PARTS OF THE LUMINAIRE.
      6) MATERIALS SHALL BE RUSTPROOF - LATCHES AND FITTING SHALL BE NON-FERROUS METAL.
   B. POLES:
      1) POLES SHALL BE AS SPECIFIED ON THE DRAWINGS (HEIGHT, SHAPE, AND TYPE OF METAL). FINAL COLOR SELECTION SHALL BE PER ARCHITECT. SPECIFIED POLES SHALL BE OF MAXIMUM GAUGE AVAILABLE AND APPLICABLE FROM MANUFACTURER FOR THE DIAMETER, LENGTH, SIZE, TYPE AND LOCATION.
   C. SITE LIGHTING POLES, LUMINAIRES, AND FOUNDATIONS INSTALLATION:
      1) FOUNDATION EXCAVATION: DEPTH SHALL BE AS REQUIRED. DIG HOLES LARGE ENOUGH TO PERMIT PROPER USE OF TAMPERS TO THE FULL DEPTH OF THE HOLE. PLACE BACKFILL IN THE HOLE IN 6" MAXIMUM LAYERS AND THOROUGHLY TAMP.
      2) ADJUST POLES AS NECESSARY TO PROVIDE A PERMANENT VERTICAL POSITION.

Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional under the laws of the State of: PENNSYLVANIA License: PE046770-E Expiration Date: 09/30/2027

FREDERICK, SEIBERT & ASSOCIATES, INC. © 2025 fsa-inc.com
CIVIL ENGINEERS • SURVEYORS • LANDSCAPE ARCHITECTS • LAND PLANNERS
128 SOUTH POTOMAC STREET HAGERSTOWN, MD 21740 301.791.3650
20 WEST BALTIMORE STREET GREENCASTLE, PA 17225 717.597.1007
505 SOUTH HANOVER STREET CARLISLE, PA 17013 717.701.8111
15 EAST MAIN STREET NEW BLOOMFIELD, PA 17068 717.275.7581

ARCHITECT: NOELKER AND HULL ASSOCIATES, INC. 30 WEST KING STREET CHAMBERSBURG, PA | 17201-1540 717.263.8464

STRUCTURAL ENGINEER: M&A Maronak & Associates STRUCTURAL ENGINEERS; MATONAK & ASSOCIATES 931-B SWEENEY DRIVE HAGERSTOWN, MD | 21740 301.790.0111

MARK	DESCRIPTION	DATE

PHASE 4 PLAZA

WASHINGTON & EAST BALTIMORE STREET
GREENCASTLE, PA
GREENCASTLE BOROUGH
60 N WASHINGTON ST., GREENCASTLE, PA 17225
717-597-7143

PROJECT NO. 24035.04
DWN BY AAA DATE 09.21.2026
PROJECT MANAGER: Lauren Bennett
EMAIL: lbennett@noelkerhull.com
PROPERTY INFORMATION XXX
SCALE AS INDICATED
SHEET TITLE SPECIFICATIONS

E401

STRUCTURAL NOTES

GENERAL

1) THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.

2) NOTES AND DIMENSIONS ON DRAWINGS SHALL TAKE PRECEDENCE OVER SCALES SHOWN ON DRAWINGS.

3) ALL WORK SHALL BE IN ACCORDANCE WITH THE MORE STRINGENT REQUIREMENTS OF THE MINIMUM STANDARDS LISTED IN THE GOVERNING CODE OR AS INDICATED HEREON. THE GOVERNING CODE SHALL BE THE INTERNATIONAL BUILDING CODE 2021.

5) THE STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION, INCLUDING ALL BRACING AND SHORING REQUIRED TO RESIST THE ACTUAL CONSTRUCTION LOADS.

6) ASTM SPECIFICATIONS LISTED SHALL BE THE LATEST EDITION.

7) DESIGN LIVE LOADS:

EXTERIOR SLAB		100 PSF
ROOF LIVE LOAD		30 PSF (NON-REDUCIBLE)
SNOW LOAD BASED ON GROUND SNOW LOAD		Pg=30 PSF
ROOF SNOW LOAD		Pf=24 PSF
Ce=1.0	Ct=1.0	
RISK CATEGORY FOR WIND		III
WIND LOAD BASED ON BASIC WIND SPEED		V=120 MPH
WIND LOAD FOR MWFRS		22 PSF
WIND LOAD FOR COMPONENTS & CLADDING		28 PSF
RISK CATEGORY FOR SEISMIC		III
SITE CLASS		C
SEISMIC DESIGN CATEGORY		A
MAPPED SPECTRAL RESPONSE		Ss=13.0%g S1=3.9%g
SPECTRAL RESPONSE COEFFICIENT		Sds=11.0%g Sd1=5.6%g

FOUNDATION

1) NO FOUNDATION SUBSURFACE INVESTIGATION HAS BEEN PERFORMED FOR THIS PROJECT.

2) FOOTINGS ARE DESIGNED BASED ON AN ALLOWABLE SOIL PRESSURE EQUAL TO 2000 PSF.

3) THE CONTRACTOR SHALL PROVIDE FOR ALL DE-WATERING, SHORING, BRACING, ETC. REQUIRED TO PLACE THE FOUNDATIONS AS INDICATED.

4) IF FOUNDATION MATERIAL IS UNCOVERED AND DETERMINED NOT TO BE CAPABLE OF SUPPORTING THE PRESSURE INDICATED, THE UNDERLYING MATERIAL SHALL BE OVER-EXCAVATED UNTIL COMPETENT MATERIAL IS FOUND AND BACKFILLED IN ACCORDANCE WITH THE RECOMMENDATIONS OF A GEOTECHNICAL ENGINEER.

STRUCTURAL STEEL

1) STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE A.N.S.I./A.I.S.C. SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS (ANSI/AISC 360, LATEST EDITION).

2) ALL STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF THE FOLLOWING ASTM DESIGNATONS:

TUBE SHAPES (HSS)	ASTM A500 GRADE B	Fy=46 KSI
CHANNELS (C)	ASTM A36	Fy=36 KSI
ANGLES (L)	ASTM A36	Fy=36 KSI
PLATES & OTHER SHAPES	ASTM A36	Fy=36 KSI

STAINLESS STEEL SHALL CONFORM TO THE REQUIREMENTS OF ANSI 316 AND SHALL HAVE A MINIMUM YIELD STRENGTH Fy=42 KSI.

3) BEAM CONNECTIONS SHALL BE LONGEST PERMITTED BY BEAM WEB DEPTH OR AS REQUIRED BY DESIGN.

4) ALL BOLTS SHALL CONFORM TO ASTM DESIGNATION A325 UNLESS NOTED OTHERWISE. ALL NUTS SHALL CONFORM TO ASTM DESIGNATION A563 UNLESS NOTED OTHERWISE. ALL WASHERS SHALL CONFORM TO ASTM DESIGNATION F436.

5) BOLT HOLES SHALL BE 1/16 INCH LARGER DIAMETER THAN NOMINAL SIZE OF BOLTS USED, UNLESS NOTED OTHERWISE. ALL BOLTED CONNECTIONS ARE DESIGNED FOR THE BEARING-TYPE CONDITION WITH THREADS INCLUDED IN THE SHEAR PLANE. BOLTS SHALL BE TIGHTENED TO THE SNUG-TIGHT CONDITION.

6) ALL WELDS SHALL BE MADE WITH 70 KSI ELECTRODES. STRUCTURAL STEEL SHALL BE WELDED IN CONFORMANCE WITH THE STRUCTURAL WELDING CODE OF THE AMERICAN WELDING SOCIETY (AWS D1.1/D1.1M, LATEST EDITION). REINFORCING STEEL SHALL BE WELDED IN CONFORMANCE WITH THE STRUCTURAL WELDING CODE - REINFORCING STEEL OF THE AMERICAN WELDING SOCIETY (AWS D1.4/D1.4M, LATEST EDITION)

7) ALL SHOP WELDS SHALL BE SHOP PAINTED. FIELD WELDS SHALL BE PAINTED TO MATCH. ALL STRUCTURAL STEEL SURFACES THAT ARE ENCASED IN CONCRETE OR ARE ENCASED BY BUILDING FINISH MAY BE LEFT UNPAINTED UNLESS NOTED OTHERWISE. PRIMER SHALL BE USED ELSEWHERE. SEE SPECIFICATIONS.

8) THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TEMPORARY BRACING FOR NEW STRUCTURAL STEEL.

9) THE FABRICATOR SHALL FURNISH SHOP DRAWINGS TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION.

REINFORCING STEEL

1) REINFORCING STEEL SHALL BE DEFORMED 'S' BARS CONFORMING TO ASTM DESIGNATION A-615 GRADE 60. TIES AND STIRRUPS MAY BE GRADE 40. REINFORCING STEEL TO BE WELDED SHALL BE DEFORMED 'W' BARS CONFORMING TO ASTM DESIGNATION A-706, AND SHALL BE WELDED IN CONFORMANCE WITH AWS D1.4.

2) ALL REINFORCING SHALL BE FABRICATED AND PLACED IN CONFORMANCE WITH THE A.C.I. 'BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE' (ACI 318, LATEST EDITION) AND THE 'MANUAL OF STANDARD PRACTICE FOR CONCRETE REINFORCEMENT' BY C.R.S.I.

3) ALL REINFORCING BAR BENDS SHALL BE MADE COLD.

4) WELDED WIRE FABRIC SHALL CONFORM WITH ASTM A-185. FABRIC SHALL BE SUPPLIED IN FLAT SHEETS ONLY.

5) MINIMUM LAP OF WELDED WIRE FABRIC SHALL BE 6 INCHES OR ONE FULL MESH AND ONE HALF WHICHEVER IS GREATER.

6) REINFORCING SHALL BE SUPPORTED BY CHAIRS AS REQUIRED FOR PROPER PLACEMENT AND TO PREVENT DEFLECTION.

7) DOWELS BETWEEN FOOTINGS AND WALLS OR COLUMNS SHALL BE THE SAME SIZE, GRADE, AND SPACING OR NUMBER AS THE VERTICAL REINFORCING, RESPECTIVELY, UNLESS OTHERWISE NOTED.

8) THE RATIO OF REINFORCEMENT TO CONCRETE IN SLABS SHALL BE NO LESS THAN 0.0018. THE RATIO OF REINFORCEMENT TO CONCRETE IN CRACK-CRITICAL SLABS SHALL BE NO LESS THAN 0.005.

CONCRETE

1) ALL CONCRETE SHALL CONFORM WITH THE REQUIREMENTS OF THE A.C.I. 'BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE' (ACI 318, LATEST EDITION). STRUCTURAL CONCRETE SHALL HAVE THE FOLLOWING MINIMUM 28 DAY COMPRESSIVE STRENGTH (f_c') UNLESS NOTED OTHERWISE:

CONCRETE FOR FOOTINGS	3000 PSI
CONCRETE FOR SLABS, WALLS, PIERS	4000 PSI
EXTERIOR CONCRETE SLABS	4500 PSI

2) CLEAR COVERAGE OVER OUTER REINFORCING BAR SHALL BE AS FOLLOWS:

CONCRETE POURED DIRECTLY AGAINST EARTH	3 INCHES
FORMED CONCRETE WITH EARTH BACKFILL	2 INCHES
COLUMNS-CLEAR TO MAIN REINFORCING	2 INCHES

3) CONCRETE MIXES SHALL BE DESIGNED BY A QUALIFIED TESTING LABORATORY AND APPROVED BY THE STRUCTURAL ENGINEER.

4) PORTLAND CEMENT SHALL CONFORM TO ASTM C-150 TYPE 1A OR TYPE 1 WITH AIR-ENTRAINING ADMIXTURE IF CONCRETE IS IN CONTACT WITH SOIL OR SUBJECT TO FREEZING AND THAWING. TYPE 1 SHALL BE USED ELSEWHERE.

5) AGGREGATE FOR CONCRETE SHALL CONFORM TO ALL THE REQUIREMENTS AND TESTS OF ASTM C-33 AND PROJECT SPECIFICATIONS. EXCEPTIONS MAY BE USED ONLY WITH THE PERMISSION OF THE STRUCTURAL ENGINEER.

6) EACH TRUCKLOAD OF CONCRETE SHALL BE TESTED FOR THE FOLLOWING:
- SLUMP OF 4"±1" IN ACCORDANCE WITH ASTM C143.
- AIR CONTENT OF 5% TO 7% IN ACCORDANCE WITH ASTM C231
- CYLINDER BREAK TESTING IN ACCORDANCE ASTM C39

7) GROUT SHALL BE PLACED USING LOW LIFT CONSTRUCTION: 4' MAX. FILL HEIGHT OR PRESSURE PUMPED FROM BOTTOM OF UNIT TO BE FILLED, 8" MINIMUM SLUMP.

8) CONSTRUCTION JOINTS OR CONTROL JOINTS IN SLABS SHALL BE LOCATED SUCH THAT SPACING BETWEEN JOINTS DOES NOT EXCEED 15 FEET ON CENTER. WHERE FEASIBLE, JOINTS SHALL BE LOCATED UNDER PARTITION WALLS OR OTHERWISE HIDDEN BY OTHER ARCHITECTURAL FEATURES.

EPOXY ANCHORS & DOWELS

1) UNLESS NOTED OTHERWISE, ALL ANCHORS SHALL BE A36 THREAD RODS. UNLESS NOTED OTHERWISE, ALL DOWELS SHALL BE REINFORCING STEEL BARS PER THE CORRESPONDING NOTES ON THESE DRAWINGS.

2) EPOXY SHALL BE AS INDICATED ON THESE DRAWINGS OR AS DESCRIBED BELOW:
- MASONRY - HILTI HIT-HY 200 ADHESIVE
- CONCRETE - HILTI HIT-HY 200 ADHESIVE

EQUIVALENT OR SUPERIOR PRODUCTS MAY BE SUBSTITUTED PROVIDED THAT THEY ARE APPROVED BY THE ENGINEER.

3) ANCHORS AND DOWELS SHALL BE PLACED IN COMPETENT CONCRETE OR MASONRY MATERIALS.

4) EPOXY ADHESIVES SHALL BE INSTALLED IN ACCORDANCE WITH ALL MANUFACTURER SPECIFICATIONS.

MASONRY

1) CONCRETE MASONRY CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF A.C.I. 'BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES' (ACI 530, LATEST EDITION) AND THE N.C.M.A. SPECIFICATION.

2) CONCRETE BLOCK SHALL BE HOLLOW LOAD-BEARING CONCRETE MASONRY UNITS CONFORMING TO ASTM C90. USE OPEN END UNITS FOR BOND BEAM UNITS AT HORIZONTAL REINFORCING.

3) CEMENT SHALL BE AS SPECIFIED FOR CONCRETE.

4) MORTAR SHALL BE TYPE 'S' AND SHALL ATTAIN A COMPRESSIVE STRENGTH OF 1800 PSI AT 28 DAYS.

5) GROUT SHALL ATTAIN A COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. USE SUFFICIENT WATER FOR GROUT TO FLOW INTO ALL MASONRY CELLS WITHOUT SEGREGATION. GROUT SHALL BE PLACED USING LOW LIFT CONSTRUCTION: 4' MAX. FILL HEIGHT OR PRESSURE PUMPED FROM BOTTOM OF UNIT TO BE FILLED, 8" MINIMUM SLUMP.

6) PROVIDE A MINIMUM OF 1/2 INCH GROUT BETWEEN MAIN REINFORCING BARS AND WALLS OF MASONRY UNITS. LOW LIFT CONSTRUCTION SHALL BE FOLLOWED WITH A MAXIMUM POUR HEIGHT OF 4 FEET.

7) CELLS IN CONCRETE BLOCKS SHALL BE IN VERTICAL ALIGNMENT WITH THE FOOTING DOWELS PLACED TO MATCH THIS VERTICAL ALIGNMENT. FILL ALL CELLS SOLID BELOW LOWEST FINISH FLOOR OR FINISH GRADE, WHICHEVER IS AT A HIGHER ELEVATION.

8) HORIZONTAL JOINT REINFORCING SHALL CONSIST OF 9 GAGE TRUSS REINFORCING VERTICALLY SPACED 16 INCHES ON CENTER.

9) CONTROL JOINTS SHALL BE PLACED NOT TO EXCEED A MAXIMUM SPACING OF 24 FEET OR AS SHOWN.

TIMBER

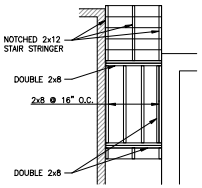
1) TIMBER CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE 'MANUAL OF HOUSE FRAMING' (LATEST EDITION) AS PUBLISHED BY THE NATIONAL FOREST PRODUCTS ASSOCIATION AND THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION.

2) ALL TIMBER FRAMING SHALL BE TEMPORARILY BRACED AS REQUIRED UNTIL ALL CONNECTING MEMBERS AND BRACING HAVE BEEN ERECTED AND FASTENED IN PLACE.

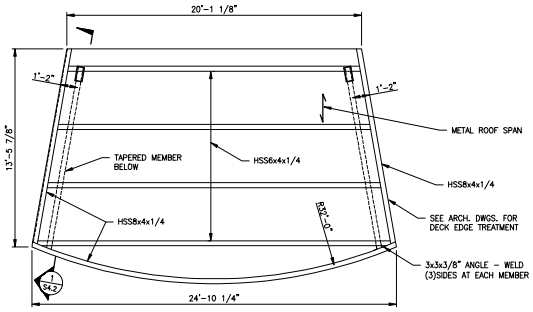
3) SAWN LUMBER FRAMING MEMBERS SHALL BE SPRUCE-PINE-FIR #2 OR BETTER WITH THE FOLLOWING MINIMUM MATERIAL DESIGN PROPERTIES:
ALLOWABLE BENDING STRESS: Fb = 875psi
ALLOWABLE SHEAR STRESS: Fv = 135psi
MODULUS OF ELASTICITY: E = 1,400,000psi

4) SHEATHING PANELS SHALL BE STRUCTURAL I GRADE OR OTHER GRADES COVERED IN THE U.S. DEPARTMENT OF COMMERCE PRODUCT STANDARD 1 (PS 1) OR 2 (PS 2); AND SHALL BE APPROPRIATELY MARKED WITH THE GRADE OF THE PANEL AND STAMPED BY THE INSPECTION AGENCY. UNLESS NOTED OTHERWISE, THE FOLLOWING MATERIALS SHALL BE USED:
ROOF SHEATHING: 5/8" EXTERIOR GRADE OSB OR CDX PLYWOOD

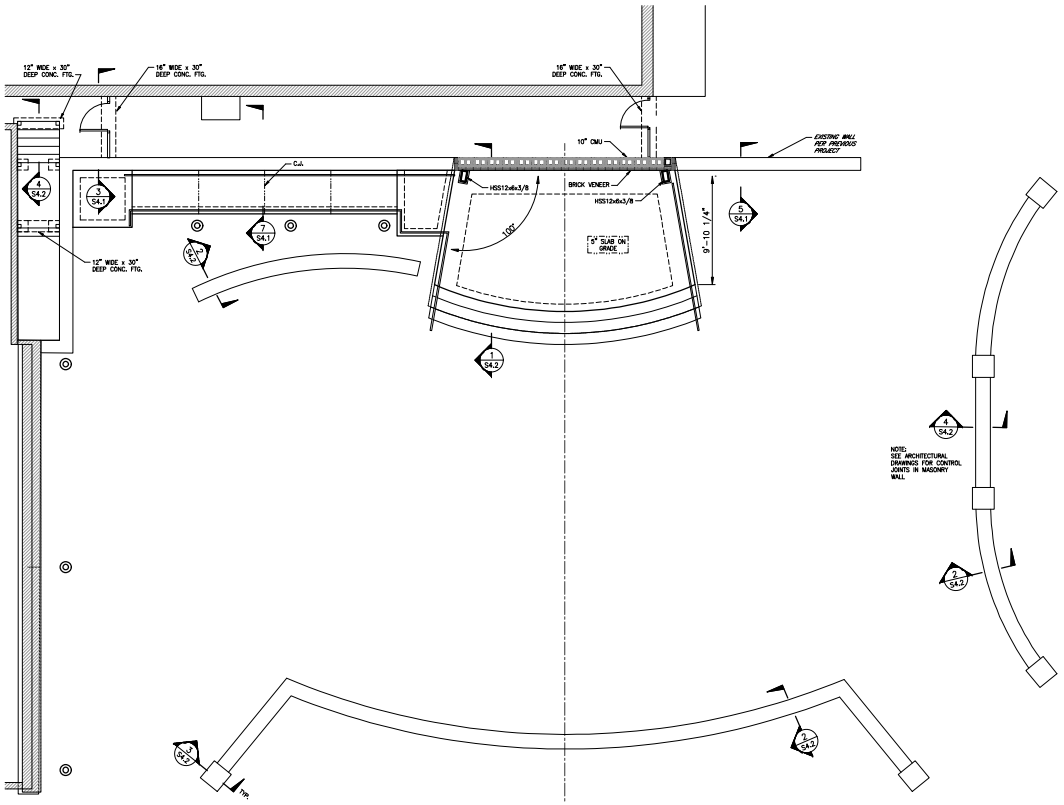
5) WOOD ROOF DECK SHALL BE 2" (1½" ACTUAL MINIMUM THICKNESS) TONGUE AND GROOVE WOOD DECKING PLACED IN A TWO-SPAN CONTINUOUS LAYUP AND HAVE THE FOLLOWING MINIMUM MATERIAL DESIGN PROPERTIES.
Fb=875psi
E=700,000psi



STAIR/LANDING FRAMING PLAN
1/4"=1'-0"



CANOPY FRAMING PLAN
1/4"=1'-0"



FOUNDATION PLAN
3/16"=1'-0"

M&A
Matonak & Associates
STRUCTURAL ENGINEERS
931-B Sweeney Drive
Hagerstown, Maryland 21740
P: 301-790-0111
F: 301-790-0172
www.matonakandassociates.com

M&A PROJECT # 25-023

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
DANIEL A. MATONAK
ENGINEER

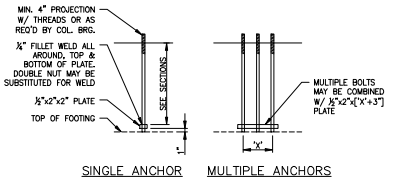
PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE COMMONWEALTH OF PENNSYLVANIA
LICENSE: PE072118E
EXPIRES: 30 SEP 2027

DATES:
PERMIT 25 SEPT. 2026

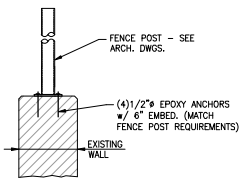
Proposed Construction for
Town Hall Plaza
60 N. Washington Street
Greencastle, Pennsylvania 17225

STRUCTURAL PLANS & NOTES

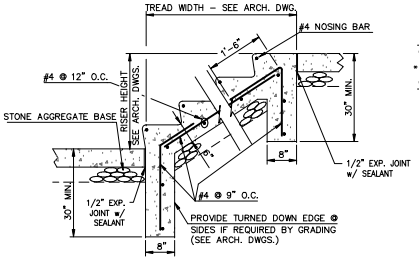
S1.1



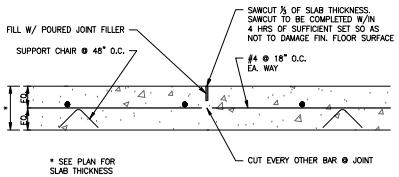
D S4.1 **TYPICAL ANCHOR BOLT**
3/4"=1'-0"



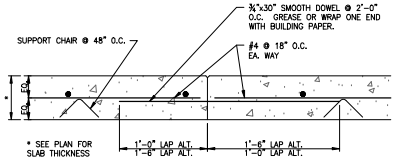
5 S4.1 **SECTION - TYPICAL SCREEN POST**
3/4"=1'-0"

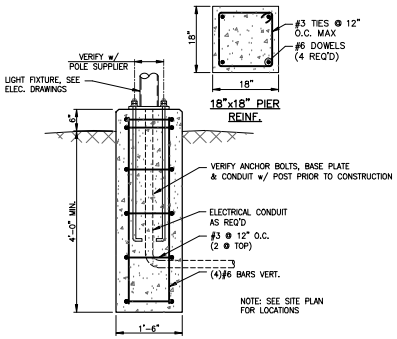


1 S4.1 **SECTION - TYP STAIR ON GRADE**
3/4"=1'-0"

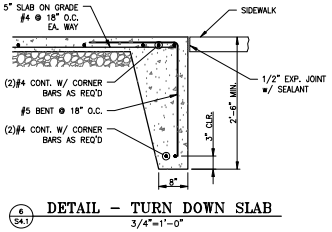


A S4.1 **DETAIL - CONTROL JOINT**
1 1/2"=1'-0"

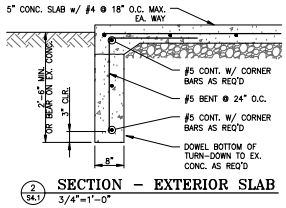




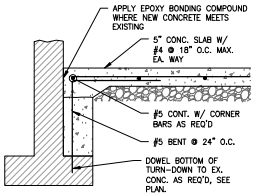
E S4.1 **DETAIL - LIGHTPOLE BASE**
3/4"=1'-0"



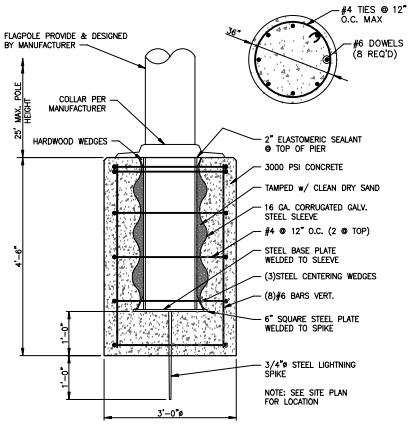
6 S4.1 **DETAIL - TURN DOWN SLAB**
3/4"=1'-0"



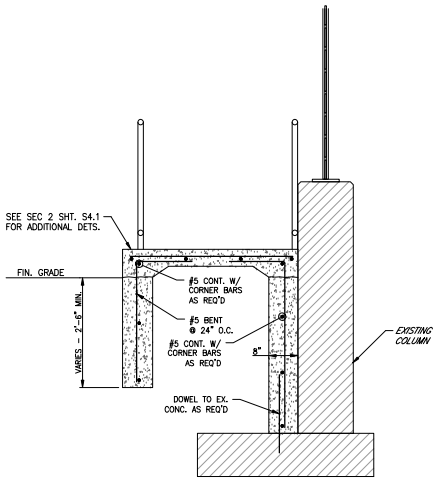
2 S4.1 **SECTION - EXTERIOR SLAB**
3/4"=1'-0"



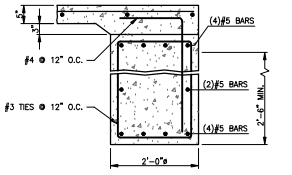
3 S4.1 **SECTION - SLAB @ EX. WALL**
3/4"=1'-0"



F S4.1 **DETAIL - FLAGPOLE BASE**
3/4"=1'-0"



7 S4.1 **SECTION -**
3/4"=1'-0"



4 S4.1 **SECTION**
3/4"=1'-0"

CONSTRUCTION & CONTROL JOINT NOTES:

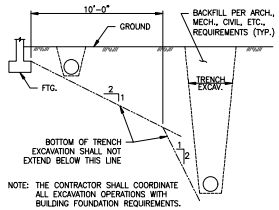
A. CONSTRUCTION OR CONTROL JOINTS SHALL LOCATED AS SHOWN ON THE DRAWINGS. JOINTS SHALL BE CENTERED ALONG COLUMN LINES AND SHALL RUN BETWEEN DIAMOND-SHAPED CONTROL JOINTS OR ISOLATION JOINTS LOCATED AROUND COLUMNS. ADDITIONAL JOINTS SHALL BE LOCATED SUCH THAT:
- SPACING BETWEEN JOINTS DOES NOT EXCEED 20 FEET
- THE AREA BOUNDED BY CONSECUTIVE JOINTS DOES NOT EXCEED 300 SQUARE FEET
- SPACING IS AS RECOMMENDED BY THE CONCRETE SUPPLIER.
- JOINTS ARE LOCATED UNDER PARTITION WALLS OR OTHER ARCHITECTURAL FEATURES.

B. SLAB MAY BE POURED IN STRIPS WITH CONSTRUCTION JOINTS AT EDGES AND SAWCUT CONTROL JOINTS SPACED AS DETAILED OR AS DESCRIBED ABOVE.

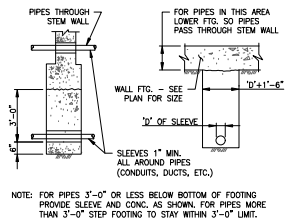
C. USE WOOD OR METAL FORMS WHICH SHALL BE STRIPPED AFTER INITIAL POUR. SECOND POUR OF SEQUENCE SHALL NOT BE MADE FOR MINIMUM OF 48 HOURS AFTER COMPLETION OF FIRST POUR.

D. TOOL ⅛" CONVEX EDGE ON CONCRETE EACH SIDE OF CONSTRUCTION JOINT. PROVIDE JOINT SEALANT AS ALL JOINTS.

B S4.1 **DETAIL - CONSTRUCTION JOINT**
1 1/2"=1'-0"



PARALLEL TO FOOTING



NOTE: FOR PIPES 3'-0" OR LESS BELOW BOTTOM OF FOOTING PROVIDE SLEEVE AND CONC. AS SHOWN. FOR PIPES MORE THAN 3'-0" STEP FOOTING TO STAY WITHIN 3'-0" LIMIT.

PERPENDICULAR TO FOOTING

C S4.1 **DETAIL - EXCAVATION @ FTG.**
N.T.S.

M&A
Matonak & Associates STRUCTURAL ENGINEERS
931-B Sweeney Drive
Hagerstown, Maryland 21740
P: 301-790-0111
F: 301-790-0172
www.matonakandassociates.com

M&A PROJECT # 25-023

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL DANIEL A. MATONAK ENGINEER

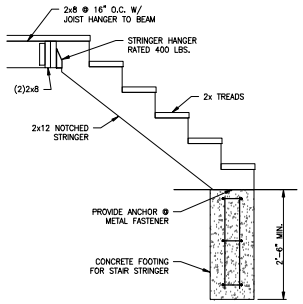
PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE COMMONWEALTH OF PENNSYLVANIA
LICENSE: PE072118E
EXPIRES: 30 SEP 2027

DATES:
PERMIT 25 SEPT. 2026

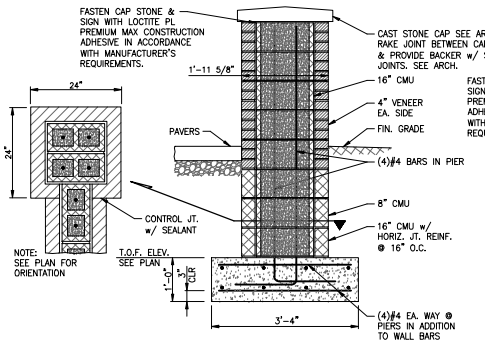
Proposed Construction for
Town Hall Plaza
60 N. Washington Street
Greencastle, Pennsylvania 17225

STRUCTURAL DETAILS

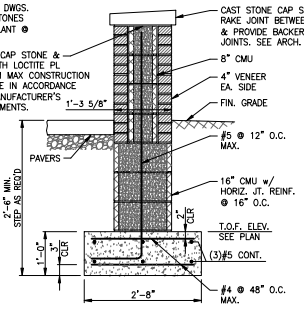
S4.1



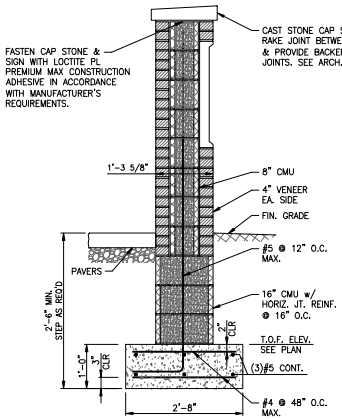
4 S4.2 **SECTION – STAIR**
3/4"=1'-0"



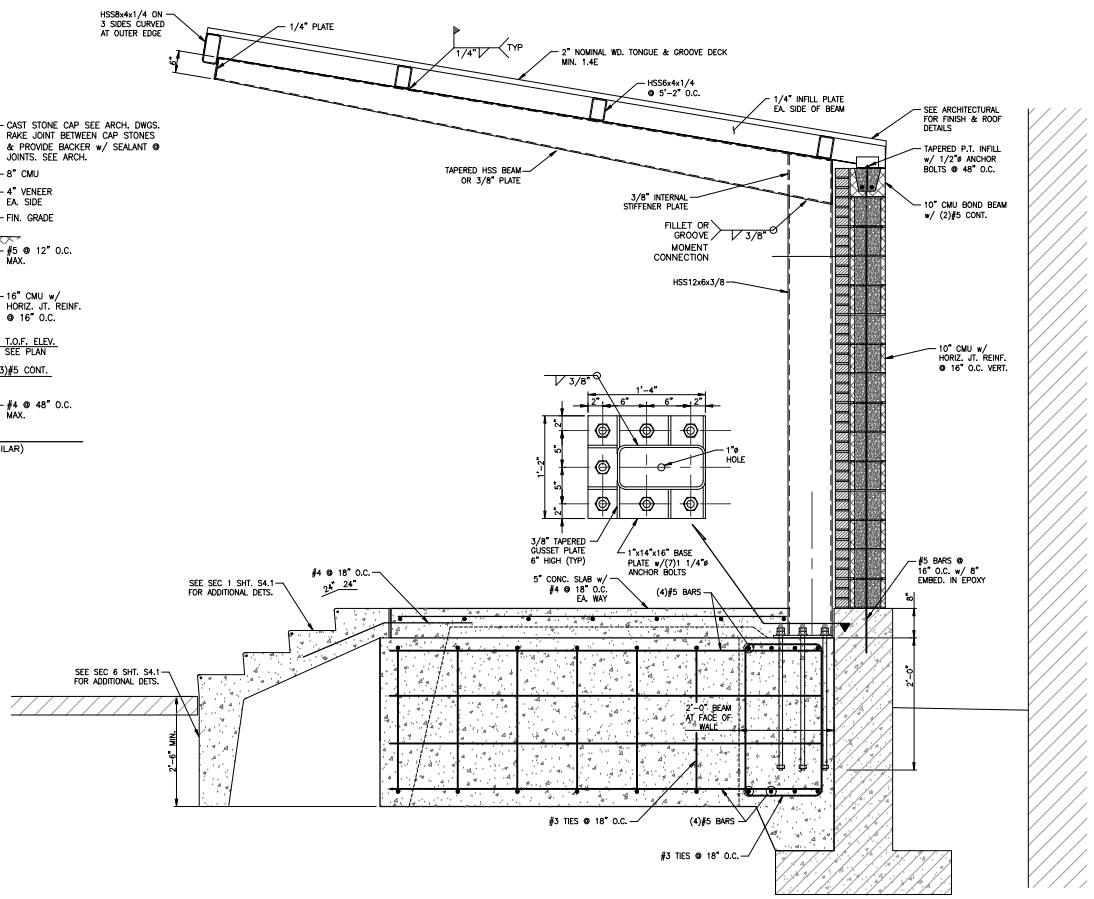
3 S4.2 **SECTION – PIER**
3/4"=1'-0"



2 S4.2 **SECTION – WALL** (SIGN WALL SIMILAR)
3/4"=1'-0"



4 S4.2 **SECTION – SIGN WALL**
3/4"=1'-0"



1 S4.2 **SECTION**
3/4"=1'-0"

M&A
Matonak & Associates STRUCTURAL ENGINEERS
934-B Sweeney Drive
Hagerstown, Maryland 21740
P: 301-790-0111
F: 301-790-0172
www.matonakandassociates.com

M&A PROJECT # 25-023

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL DANIEL A. MATONAK ENGINEER

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE COMMONWEALTH OF PENNSYLVANIA
LICENSE: PE032711BE
EXPIRES: 30 SEP 2027

DATES:
PERMIT 25 SEPT. 2026

Proposed Construction for
Town Hall Plaza
60 N. Washington Street
Greencastle, Pennsylvania 17225

STRUCTURAL SECTIONS

S4.2