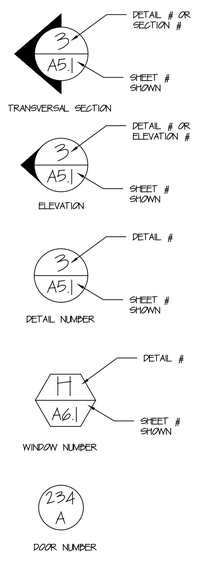
ABBREVIATIONS :

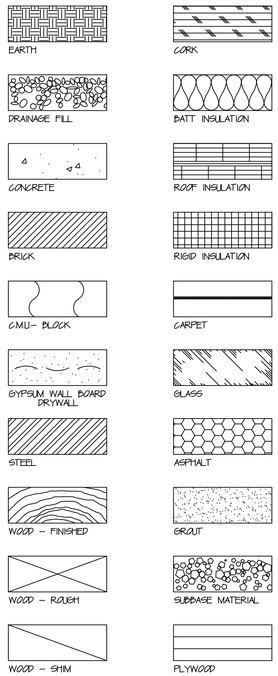
NOTE: THIS IS A MASTER LIST. ALL ABBREVIATIONS AND MATERIALS LISTED ARE NOT NECESSARILY PRESENT IN THIS PROJECT.

ACI	AMERICAN CONCRETE INSTITUTE
AFF	ABOVE FINISH FLOOR
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AL	ALUMINUM
ALT	ALTERNATE
ARCH	ARCHITECT/ ARCHITECTURAL
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWS	AMERICAN WELDING SOCIETY
B/	BOTTOM OF
BL	BUILDING LINE
BLDG	BUILDING
BLKG	BLOCKING
BRG	BEARING
CB	BATCH BASIN
CC	CLEAR COVER
CER	CERAMIC
CI	CAST IRON
CJ	CONTROL JOINT
CL	CENTER LINE
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
CW	COLD WATER
DET	DETAIL
DIA, ø	DIAMETER
DIM	DIMENSION
DISP	DISPENSER
DW	DRYWALL
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
EJ	EXPANSION JOINT
EL	ELEVATION
ENG	ENGINEER
EP	EPOXY PAINT
EPDM	ETHYLENE PROPYLENE DIENE TERPOLYMER
EXC	EXCAVATE/ EXCAVATION
EXP	EXPANSION
EXIST	EXISTING
EXT	EXTERIOR
EW	EACH WAY
FD	FLOOR DRAIN
FDN	FOUNDATION
FEC	FIRE EXTINGUISHER CABINET
FIN	FINISH
FL	FLOOR
FTG	FOOTING
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GYP	GYPSUM
GWB	GYPSUM WALL BOARD
HB	HOSE BIBB
HDW	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HRS	HOT RULLED STEEL
HT	HEIGHT
HW	HOT WATER
ID	INSIDE DIAMETER
INS	INSULATION
INT	INTERIOR
INV	INVERT
KSI	KIPS PER SQUARE INCH
LAM	LAMINATED
LAV	LAVATORY
LBS	POUNDS
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
MAN	MANUFACTURER
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
NIC	NOT IN CONTRACT"
NO	NUMBER
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OPG	OPENING
OWT	OILY WASTE TREATMENT
PC	PLUMBING CONTRACTOR
PCST	PRECAST
PERIM	PERIMETER
PL	PLATE
PLAS	PLASTIC
PLBG	PLUMBING
PLWD	PLYWOOD
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
PTN	PARTITION
PVC	POLYVINYL CHLORIDE
QT	QUARRY TILE
RD	ROOF DRAIN
REC	RECESSED
RECT	RECTANGLE
REINF	REINFORCED
REQD	REQUIRED
RESIL	RESILIENT
RET	RETAINING
RO	ROUGH OPENING
SCH	SCHEDULE
SDI	STEEL DECK INSTITUTE
SECT	SECTION
SIM	SIMILAR
SPEC	SPECIFICATION
SS	STAINLESS STEEL
SSR	STANDING SEAM ROOF
STD	STANDARD
STG	STORAGE
STRUCT	STRUCTURAL
SUSP	SUSPENDED
T/	TOP OF
TEL	TELEPHONE
T&G	TONGUE AND GROOVE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VCT	VINYL COMPOSITION TILE
VEST	VESTIBULE
WC	WATER CLOSET
WWF	WELDED WIRE FABRIC

SYMBOLS :



MATERIAL DESIGNATIONS :



FIRE STATION #5 POLE BARN

CITY OF RICHMOND INDIANA

RICHMOND, INDIANA

OCTOBER, 2023

SHEET INDEX:

Maze
Design, Inc.
2601 National Road West
Richmond, IN 47374
(765) 962-1300
E-Mail: di@mazedesigninc.com
Building & Interior Design, Engineering, Construction Management

GERALD SOUTH REGISTERED No. 10207191 STATE OF INDIANA PROFESSIONAL ENGINEER

Gerald South
certified by

RICHMOND FIRE DEPARTMENT STATION #5 POLE BARN

RICHMOND, INDIANA

Project No..... 2367-1
Coordinator.... INDERSTRODT

Date..... 10/16/2023

Revision:
No. Date

drawing
COVER
of

N.W.. 1/4	10	16 North	14 East	Richmond	Wayne	Wayne	Indiana
Quarter	Section	Township	Range	City of	Civil Township	County	State of

Plan Index

EX. LEGEND

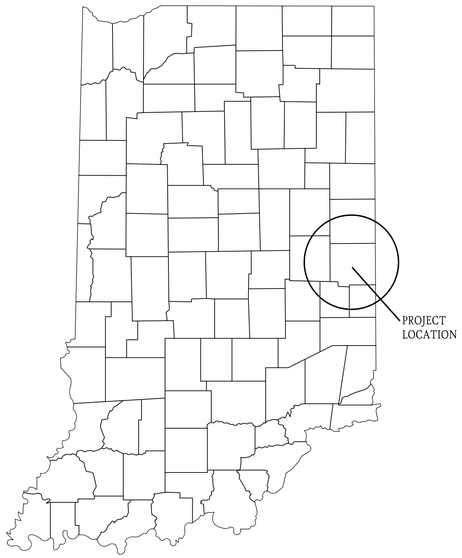
- XXXX — Existing Contour
- —SS— Existing Sanitary Sewer Line
- (SS) Existing Sanitary Manhole
- —W— Existing Water Line
- —G— Existing Gas Line
- —E— Existing Electric Line
- —T— Existing Telecommunication Line
- Existing Storm Inlet

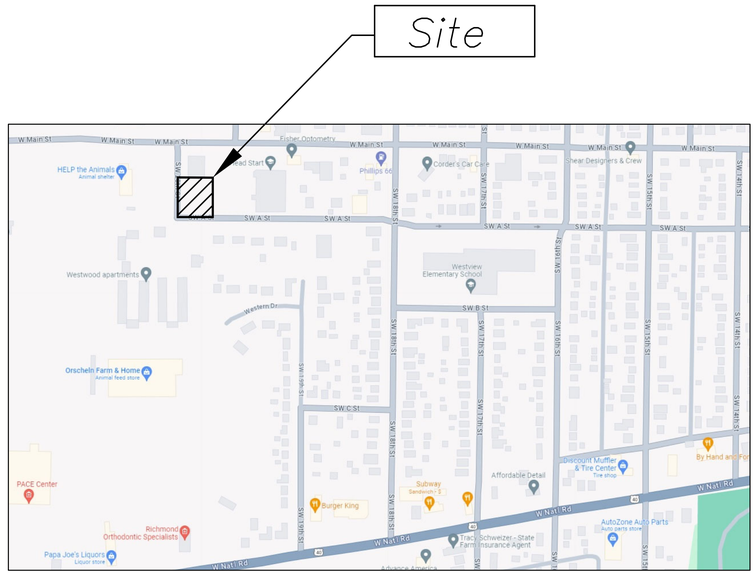
CONSTRUCTION LEGEND

- T/C / PAV Proposed Elevations
- XXXX Proposed Contours
- Proposed Silt Fence
- —FM— Proposed Force Main Line
- —G— Proposed Gas Line
- —E— Proposed Electric Line
- —S— Proposed Storm Sewer Line
- —W— Proposed Water Line
- Drainage Arrows
- Cleanout
- Storm Inlet

Project Specifications

The Standard Specifications for Construction and Materials of the State of Indiana, Department of Transportation (INDOT), in force 2023, the Indiana Department of Environmental Management (IDEM), and the City of Richmond, Planning and Zoning Regulations, including changes and supplemental specifications listed in the proposal shall govern this project.





Vicinity Map

Not to Scale

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

UTILITY COMPANIES

ELECTRIC:
Richmond Power & Light
2000 U.S. 27 South
Richmond, Indiana 47374
Phone: 973-7200

GAS:
Vectren
3421 Chester Boulevard
Richmond, Indiana 47374
Phone: 1-800-777-2060

STORM SEWERS:
Richmond Sanitary District
2380 Liberty Avenue
Richmond, Indiana 47374
Phone: 983-7450

SANITARY:
Richmond Sanitary District
2380 Liberty Avenue
Richmond, Indiana 47374
Phone: 983-7450

TELEPHONE:
Verizon
31 N. 9th Street
Richmond, Indiana 47374
Phone: 287-2780

WATER:
Indiana-American Water Co., Inc.
Richmond District
1710 Sylvanook Dr.
Richmond, Indiana 47374
Phone: 962-0470

Maze Design, Inc.
2601 National Road West
Richmond, IN 47374
(765) 962-1300
E-Mail: di@mazedesigninc.com
Building & Interior Design, Engineering, Construction Management

GERALD SOUTH REGISTERED No 11902251 STATE OF INDIANA PROFESSIONAL ENGINEER

Gerald South
Certified By

RICHMOND FIRE DEPARTMENT STATION #5 POLE BARN

1971 WEST MAIN ST
RICHMOND, INDIANA

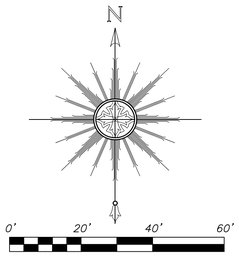
Project No..... 2367-1
Coordinator.... D. INDERSTROOT

Date..... 10/01/2023

Revision: No. Date

GENERAL INFORMATION SHEET

drawing C-100 of



SCALE : 1"= 20'

GENERAL NOTES:

Construction Includes, but is not limited to the following.

(A) Contractor to complete all required applications, permits & pay for all associated fees for construction and utilities.

(B) Contractor to complete all work in compliance with all required City/State/Federal Building codes.

Proposed construction is generally drawn in bold or darker lineweights while existing entities are generally lighter.

DEMOLITION NOTES:

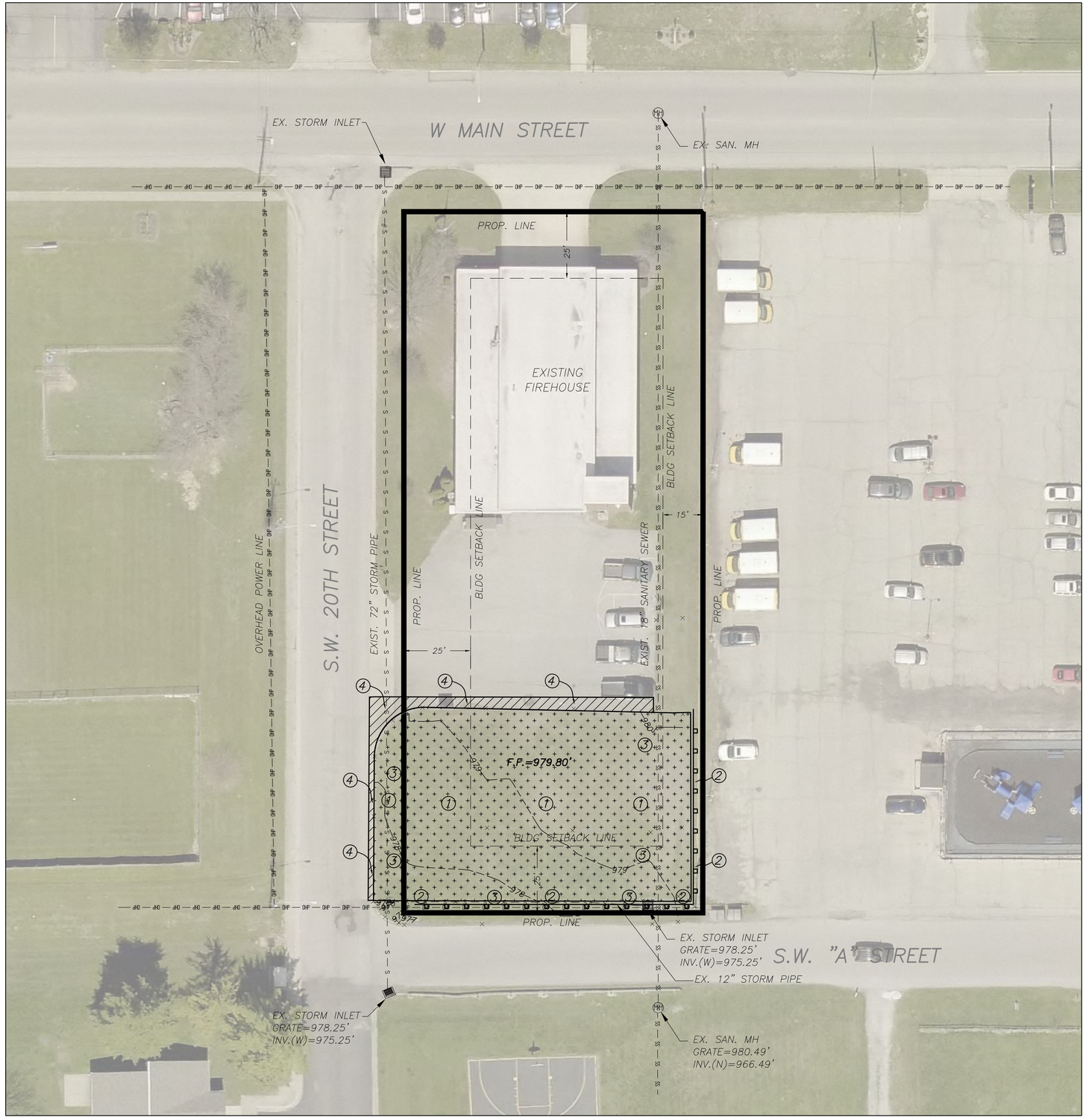
Construction Includes, but is not limited to the following.

(1) Contractor to remove all existing topsoil and vegetation where specified and cut/fill to subgrade as required to provide finish elevations as designed.

(2) Contractor to install silt fence as shown for erosion control

(3) Contractor is to protect existing underground utilities and is to verify location using 811 locating services. Contractor is responsible for any damages to underground utilities and must replace damages at their expense.

(4) Contractor to saw cut and remove existing concrete/asphalt where specified and cut/fill to subgrade as required to provide finish elevations as designed. Patch existing asphalt as required.



Contractor to remove all existing topsoil and vegetation where specified and cut/fill to subgrade as required to provide finish elevations as designed.

Contractor to saw cut and remove existing concrete/asphalt where specified and cut/fill to subgrade as required to provide finish elevations as designed.

Maze
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2601 National Road West
Richmond, IN 47374
(765) 962-1300
E-Mail: di@mazedesigninc.com

Building & Interior
Design, Engineering,
Construction Management

GERALD SOUTH REGISTERED No. 11900181 STATE OF INDIANA PROFESSIONAL ENGINEER

Gerald South
Certified By

RICHMOND
FIRE
DEPARTMENT
STATION #5
POLE BARN

1971 WEST MAIN ST
RICHMOND, INDIANA

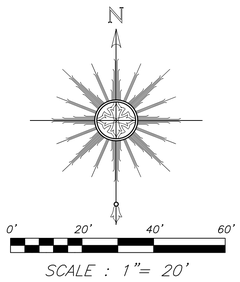
Project No..... 2367-I
Coordinator.... D. INDERSTRODT

Date..... 10/01/2023

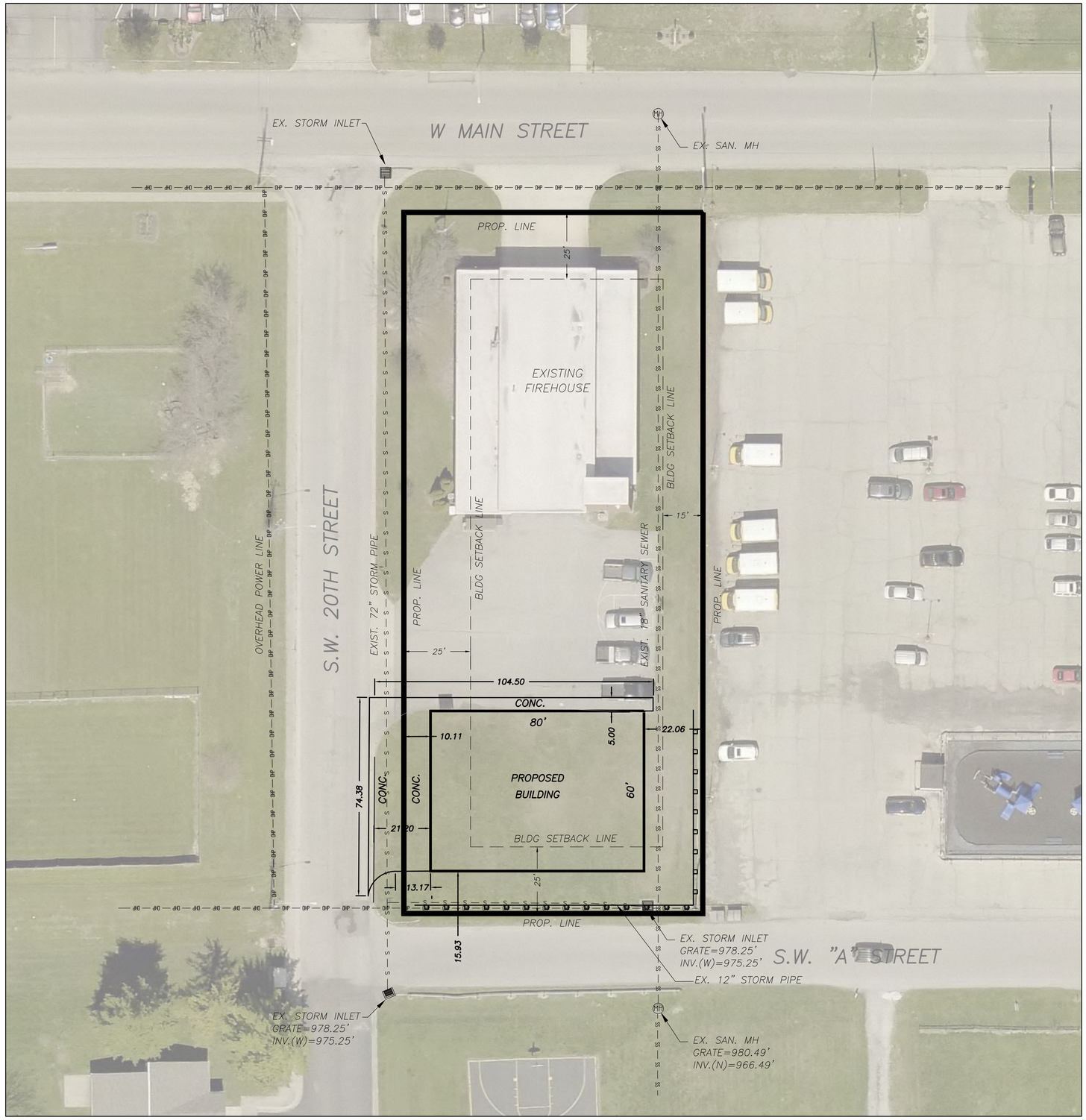
Revision:
No. Date

EXISTING
TOPOGRAPHY/
DEMOLITION PLAN

drawing
C-200
of



SCALE : 1"= 20'



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DEPARTMENT
STATION #5
POLE BARN

1971 WEST MAIN ST
RICHMOND, INDIANA

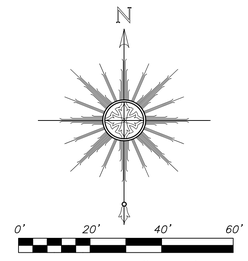
Project No..... 2367-I
Coordinator.... D. INDERSTRODT

Date..... 10/01/2023

Revision:
No. Date

DIMENSION PLAN

drawing
C-300
of



SCALE : 1"= 20'

GENERAL NOTES:

Construction Includes, but is not limited to the following.

(A) Contractor to complete all required applications, permits & pay for all associated fees for construction and utilities.

(B) Contractor to complete all work in compliance with all required City/State/Federal Building codes.

Proposed construction is generally drawn in bold or darker lineweights while existing entities are generally lighter.

CONSTRUCTION NOTES:

Construction Includes, but is not limited to the following.

(1) Contractor to provide compacted subgrade as specified for building and drives, etc. Due to soil conditions, subgrade to be inspected by Geotechnical Engineer to determine if undercutting of the subgrade is required.

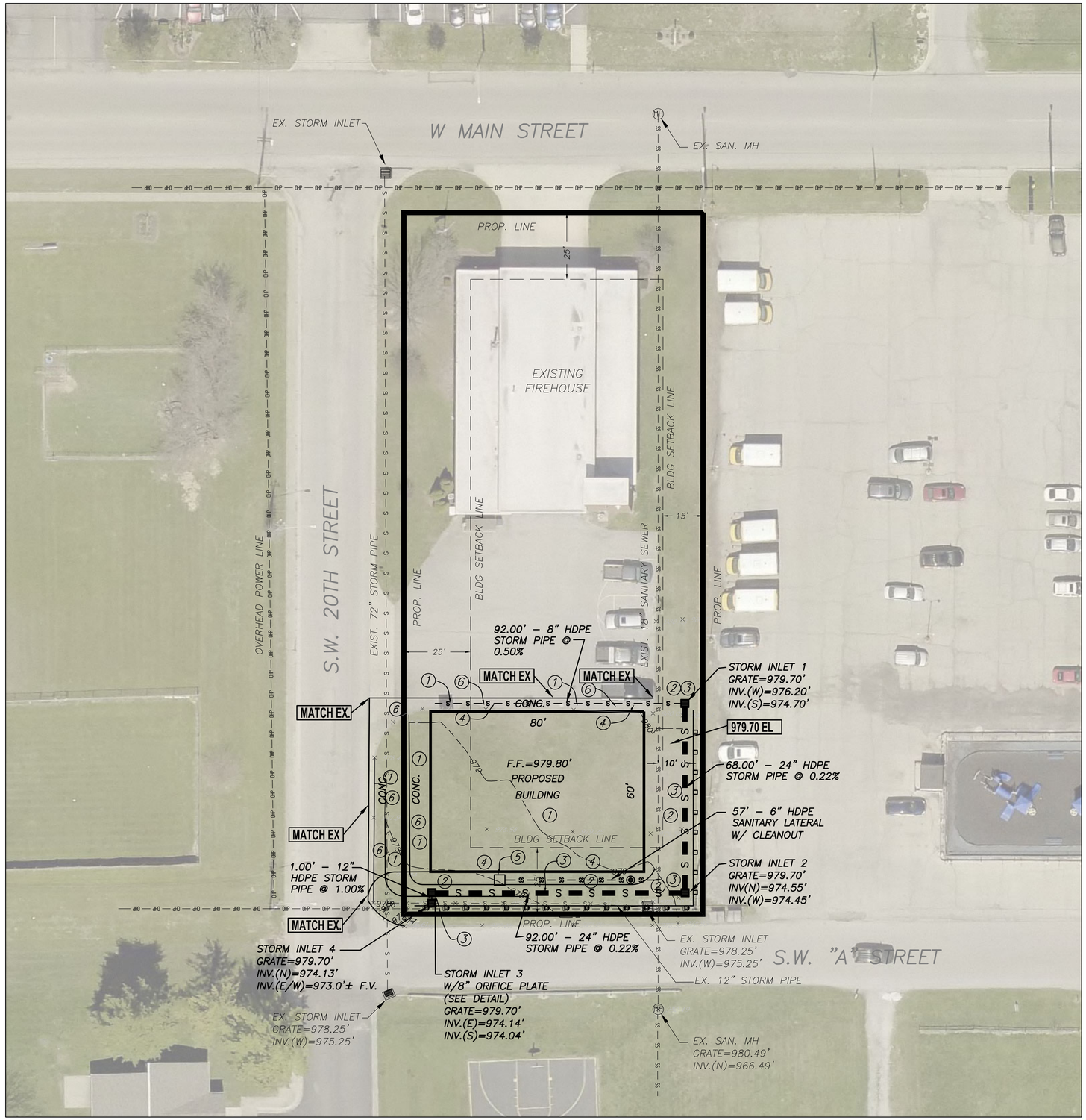
(2) Contractor to provide slope away from parking lot, drives and building, blending into surrounding grades, seed and mulch.

(3) Contractor to construct storm drains and storm piping as shown. Contractor to blind tap storm sewer into existing line using Richmond Sanitary district requirements.

(4) Contractor to construct downspout as shown per Architects plans and connect under ground and run pipe to closest storm structure and grade to drain.

(5) Contractor to install grease interceptor as shown and per manufacturer specs. Contractor to tap into existing sewer.

(6) Contractor to install conc. aprons as shown and per concrete specs.



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DEPARTMENT
STATION #5
POLE BARN

1971 WEST MAIN ST
RICHMOND, INDIANA

Project No..... 2367-I
Coordinator.... D. INDERSTRODT

Date..... 10/01/2023

Revision:
No. Date

SITE PLAN/
GRADING PLAN

drawing
C-A00
of

GENERAL NOTES

ELEVATION DATUM *City of Richmond/Wayne County GPS Geodetic Monuments NAD83/NAVD88*

UTILITIES *The contractor shall, at least two working days prior to starting work, notify the area Underground Utility Protection Service, and the owners of utilities having wires, poles, pipes, conduits, manholes or other structures that may be affected by this operation, including all structures which are affected and not shown on these plans, of his intent to start construction operations. After commencing construction, the Contractor shall report immediately to the owner or operator of the utility any break in its lines or any dent, gouge, groove, or other damage to the lines or their coating or cathodic protection. The Contractor must also alert the nearby occupants of any emergency he may create or discover in connection with excavation in and around the utilities.*

UNDERGROUND UTILITIES *The location of the underground utilities shown on these plans has been obtained by diligent field checks and searches of available records. Observations have been made from ground level and were not conducted by "confined space entry" unless otherwise noted. It is believed that they are essentially correct, but Beals–Moore & Associates does not guarantee their accuracy or completeness. The Contractor shall be aware that, due to lack of adequate information, all existing utilities may not be reflected on these plans. It shall be the Contractor's responsibility to field verify and locate any and all existing utilities horizontally and vertically prior to construction. Any utility, including field tiles and drains, damaged during construction shall be repaired or replaced in kind at the Contractors expense.*

UTILITY OWNERS

ELECTRIC:
Richmond Power & Light
2000 U.S. 27 South
Richmond, Indiana 47374
Phone: 973–7200

GAS:
Vectren
3421 Chester Boulevard
Richmond, Indiana 47374
Phone: 1–800–777–2060

STORM SEWERS:
Richmond Sanitary District
2380 Liberty Avenue
Richmond, Indiana 47374
Phone: 983–7450

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1710 Sylvanook Dr.
Richmond, Indiana 47374
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2380 Liberty Avenue
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Phone: 983–7450

TELEPHONE:
Verizon
31 N. 9th Street
Richmond, Indiana 47374
Phone: 287–2780

CABLE T.V.
Insight Communications
2428 Chester Boulevard
Richmond, Indiana 47374
Phone: 966–8321

ALL UTILITIES (GENERAL)
Indiana Underground Plant
Protection Service
Phone: 1–800–382–5544

MAINTENANCE OF TRAFFIC: *All traffic maintenance to be coordinated with the City of Richmond Engineer and/or Wayne County Highway Department*

REPLACEMENT *The Contractor shall replace at his own expense any item not specifically listed for removal that is damaged or destroyed by his operations.*

EROSION CONTROL: *Silt fence to be constructed around the perimeter of the site. Inlets to have erosion control measures placed around surface.*

All graded areas shall have vegetation established as soon as practical and shall conform to the seeding and fertilizing specifications below.

Seeding, Mulching, and Fertilizer
The area to be seeded shall be made smooth and uniform and shall be in accordance with the finished grade and cross section shown on the plans or as otherwise designated. The seed bed, if not loose, shall be loosened to a minimum depth of 3 inches (76 mm) before fertilizer or seed is applied. In areas of excessive vehicular traffic, such as parking of construction equipment, the soil shall be loosened to a minimum depth of 6 inches (152 mm). Fertilizer with a mixture of 12–12–12 shall be spread uniformly over the area to be seeded. Fertilizer shall be spread at the rate of 800 pounds per acre (897 kilogram per hectare) unless otherwise specified. Seed may be drilled in or mixed with water, but shall not be covered more than 1/2 of an inch (12.5 mm). The mixture shall be sprayed over the area to be seeded. An approved mechanical method which shall place the seed in direct contact with the soil may be used. In places inaccessible to mechanical equipment, or where the area to be seeded is small, a hand operated cyclone seeder or other approved equipment may be used. Leguminous seeds, unless otherwise specified, shall be inoculated. The culture shall be mixed with sufficient water to distribute it thoroughly. The seed shall be wetted thoroughly with the solution and allowed to dry sufficiently to be in condition for sowing. Inoculated seed shall be sown within 30 hours after the treatment. Where seeding is to be done by hydraulic methods, the inoculate may be added to the water in the spray tank.

The seed mixture shall be applied at specific locations. It shall be applied at the rate of 150 pounds per acre (168 kg/hectare). The mixture shall consist of 95 pounds (43.1 kg) of a 4–way blend of turf type tall fescues such as Tribute, Rebel II, Trailblazer, or approved equal; 20 pounds (9 kg) Jasper Red Fescue or approved equal; and 35 pounds (16 kg) certified fine bladed perennial ryegrass such as Regal, Fiesta, Blazer, or approved equal.

Mulching material shall be applied uniformly in a continuous blanket at the rate of 2 tons per acre (4.5 megagrams/hectare). Mulch shall be placed within 24 hours after seeding. Mulch shall be secured in a method approved by the engineer.

GENERAL CONCRETE NOTES

GENERAL *1. The consultant or engineer will not be responsible for means, methods, procedures, techniques, or sequences of construction that are not specified herein. The consultant or engineer will not be responsible for safety on the jobsite, or for failure by the contractor to perform work according to contract documents.*

2. The contractor shall comply with all laws, ordinances, rules, orders and regulations relating to the performance of the work required by contract.

3. The contractor shall be required to maintain a set of construction record drawings on site during the project.

4. The contractor shall plan his operations so that disruption of existing facilities is at a minimum. The contractor shall be required to provide a schedule of construction, prior to the start of actual construction for owner approval.

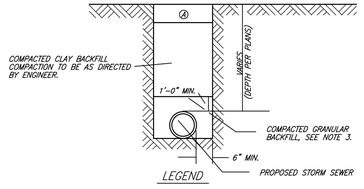
5. The contractor shall restrict construction activities to the limits of construction on the plans.

6. The contractor shall carefully preserve benchmarks, property corners, reference points, stakes and other survey reference monuments or markers. In cases of willful or careless destruction, the contractor shall be responsible for restoration of markers. Resetting of markers shall be performed by an Indiana Professional Surveyor at the approval of the owner.

7. The contractor shall restore all disturbed areas, to an equal or better condition than existed prior to contstruction. Drainage ditches or water courses which are disturbed by construction shall be restored to the grades and cross–sections which existed prior to construction.

8. The contractor will be responsible for all offsite disposal activities associated with this project. It is the contractors responsibility to abide by all laws and regulations associated with hauling and disposing of excess materials from the project site.

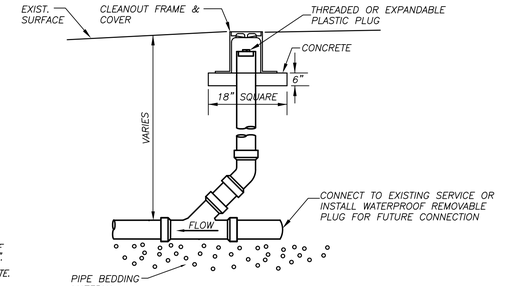
9. The contractor and subcontractors shall be solely responsible for complying with all federal, state and local safety requirements, excerising precautions at times for the protection of persons (including employees) and property. It is also the sole responsibility of the contractor and subcontractors to initiate, maintain and supervise all safety requirements, precautions and programs in connection with the work.



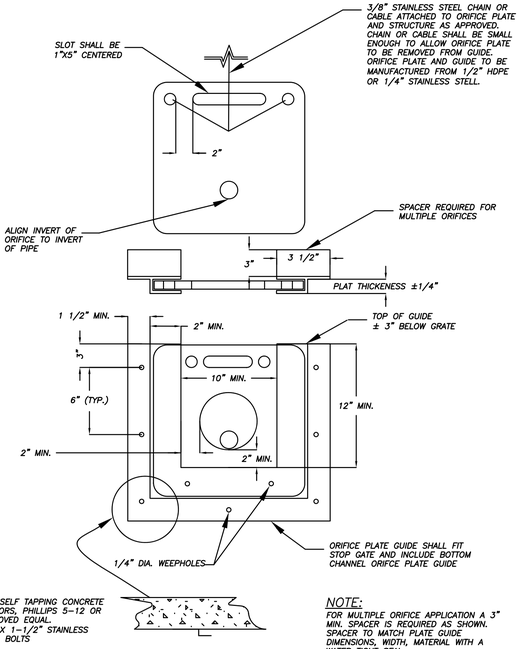
NOTES

1. *ALL WORK AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF INDIANA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS".*
2. *ALL EXCAVATED AND UNUSED MATERIAL TO BE REMOVED FROM JOB SITE.*
3. *FILL MATERIAL AROUND PIPE TO BE COMPACTED GRANULAR BACKFILL.*
4. *ALL EXCAVATION, CONSTRUCTION AND RESTORATION MATERIALS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PERTINENT STORM SEWER ITEM.*

TRENCH BACKFILL DETAIL
LAWN AREAS

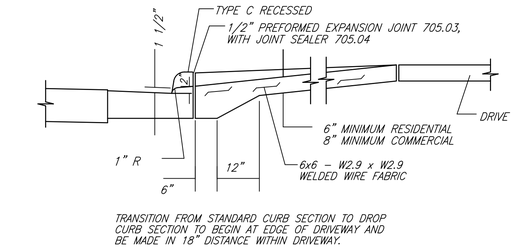


CLEANOUT DETAIL
NOT TO SCALE

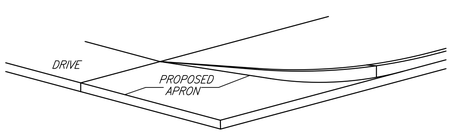


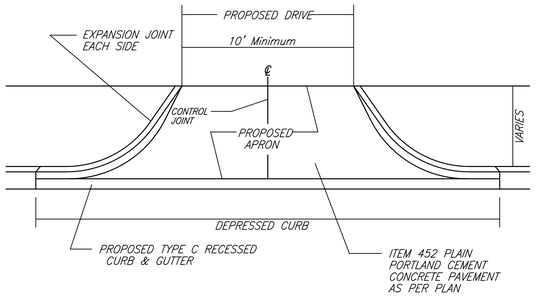
NOTE:
FOR MULTIPLE ORIFICE APPLICATION A 3" MIN. SPACER IS REQUIRED AS SHOWN. SPACER TO MATCH PLATE GUIDE DIMENSIONS, WIDTH, MATERIAL WITH A WATER TIGHT SEAL.

ORIFICE PLATE DETAIL
Not to Scale



TRANSITION FROM STANDARD CURB SECTION TO DROP CURB SECTION TO BEGIN AT EDGE OF DRIVEWAY AND BE MADE IN 18" DISTANCE WITHIN DRIVEWAY.

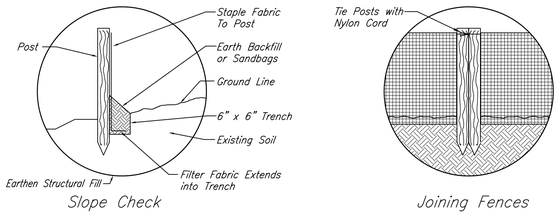




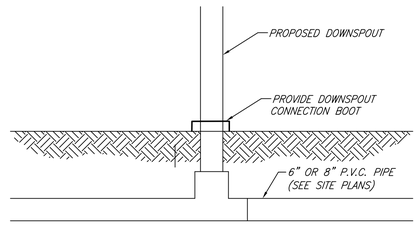
DRIVEWAY DETAIL NOTES

1. *DRIVE SHALL MEET THE REQUIREMENTS OF I.N.D.O.T. ITEM 604. CONCRETE SHALL GENERALLY CONFORM TO ITEM 502.*
2. *DRIVE SHALL NOT BE POURED MONOLITHICALLY WITH TYPE C RECESSED CURB.*
3. *MAXIMUM JOINT SPACING SHALL BE 6' LONGITUDINALLY AND TRANSVERSELY.*
4. *DRIVE APRONS SHALL BE KEYED AT ALL CONSTRUCTION JOINTS.*
5. *EXPANSION MATERIAL SHALL BE 1/2" PREMOLDED, 501.14.*
6. *4" OF GRAVEL SHALL BE PLACED UNDER DRIVE APPROACHES IF DETERMINED NECESSARY BY THE ENGINEER.*
7. *PROVIDE BROOM FINISH AND EDGING TO ALL EXPOSED SURFACES.*

TYPICAL DRIVE DETAILS



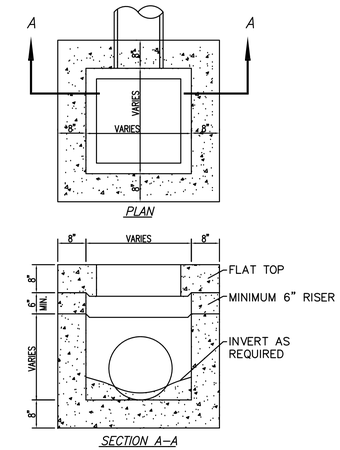
SILT FENCE DETAILS



DOWNSPOUT DETAILS
Not To Scale

Structure Name	Structure Type	Casting Type	Rim	Pipes In	Pipes Out
Storm Inlet 1	Inlet Box	Neenah R-3210-A or Equal	979.70	976.20 - 8" HDPE	974.70 - 24" HDPE
Storm Inlet 2	Inlet Box	Neenah R-3210-A or Equal	979.70	974.55 - 24" HDPE	979.45 - 24" HDPE
Storm Inlet 3	Inlet Box	Neenah R-3210-A or Equal	979.70	974.14 - 24" HDPE	974.04 - 12" HDPE
Storm Inlet 4	Inlet Box	Neenah R-3210-A or Equal	979.70 F.V.	974.1 - 12" HDPE 973.00± - 18" CONC	973.00 - 18" CONC

STORM STRUCTURE TABLE
NOT TO SCALE



PLAN

SECTION A–A

INLET BOX DETAIL
NOT TO SCALE

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Gerald South
Certified By

RICHMOND FIRE DEPARTMENT STATION #5 POLE BARN

1971 WEST MAIN ST
RICHMOND, INDIANA

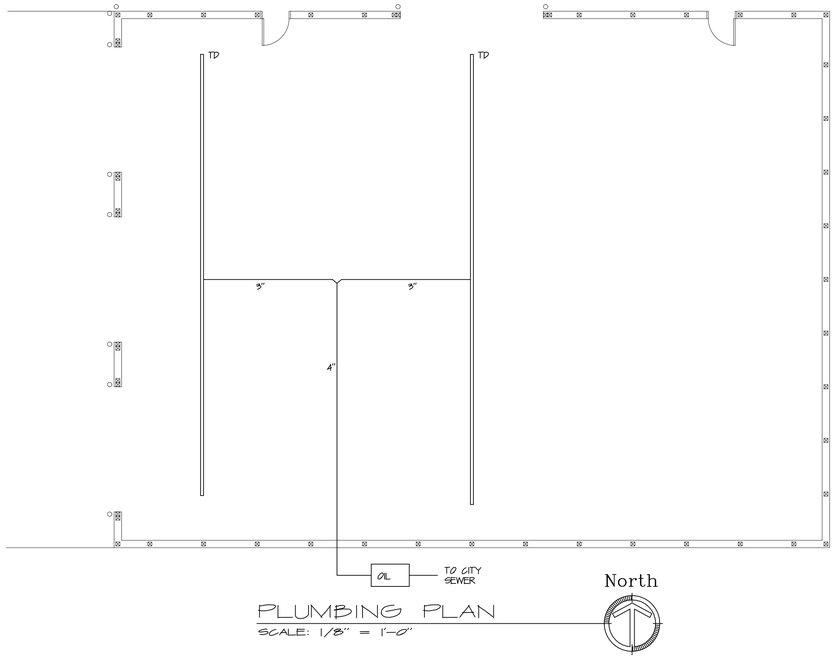
Project No..... 2567-1
Coordinator.... D. INDERSTRODT

Date..... 10/01/2025

Revision: No. Date

DETAIL SHEET

drawing C-500 of



PLUMBING PLAN

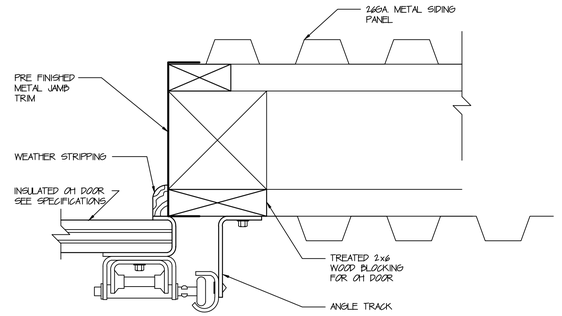
SCALE: 1/8" = 1'-0"

North

○ PLUMBING FIXTURE

TD – POLYLOK HEAVY DUTY H-20 RATED TRENCH DRAIN AND GRATE. OR EQUAL.

OIL – GB-50 SCHIER OIL INTERCEPTOR WITH FCIR RISER WITH H-20 RATED LID.



A1.1 OH DOOR JAMB DETAIL

SCALE: 3" = 1'-0"

○ KEYNOTES:

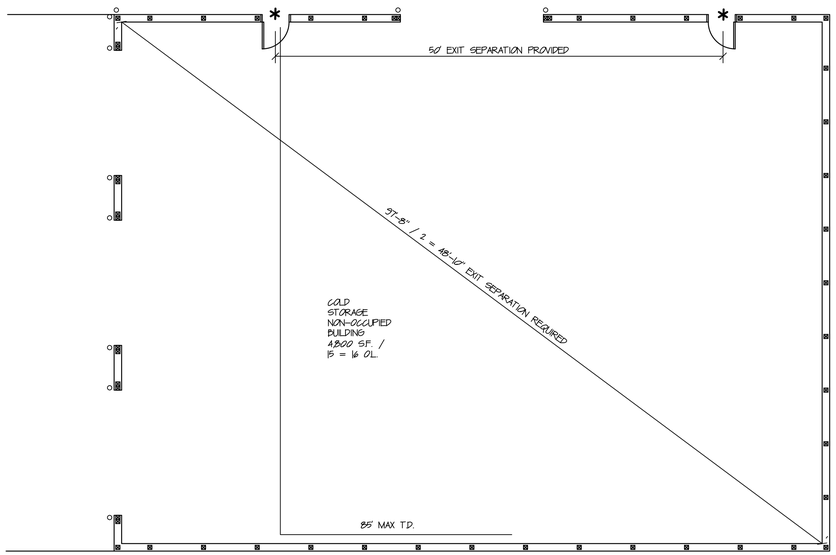
1. 6" CONCRETE FILLED STEEL BALLARD SEE TYP. DETAIL A3.1
2. 3070 INSULATED METAL DOOR AND FRAME STEEL CRAFT OR EQUAL WITH CLOSURE WEATHER SEALS AND ALUMINUM SILL. PROVIDE COMMERCIAL GRADE LEVER LOCKSET. DOOR TO BE KEYED TO OWNERS MASTER KEYING SYSTEM.
3. THICKEN SLAB SEE FOUNDATION PLAN.
4. TRENCH DRAIN WITH STEEL GRATES HEAVY DUTY 4" WIDE H-20 RATED POLYLOK OR EQUAL.
5. CONCRETE APRON SEE SITE PLAN
6. CONCRETE DRIVE SEE SITE PLAN
7. PROVIDE 24" DIA. CORRUGATED PIPE SLEAVE 4' DEEP FLUSH WITH FLOOR. VERIFY EXACT LOCATION WITH OWNER.
8. PROVIDE 6" DIA. SCHEDULE 40 CONDUIT 6' OUTSIDE OF BUILDING FOR OWNERS FUTURE USE.

DOOR SCHEDULE

A. 3070 EXT. INSULATED METAL DOOR AND FRAME. CLOSER, WEATHER SEAL, THRESHOLD, NON-FIRE RATED. LEVER LOCKSET KEYED TO OWNERS SYSTEM.

FINISH SCHEDULE

WALL: 29ga METAL LINER PANEL
CEILING: 29ga METAL LINER PANEL
FLOORS: CONCRETE SEALED



LIFE SAFETY PLAN

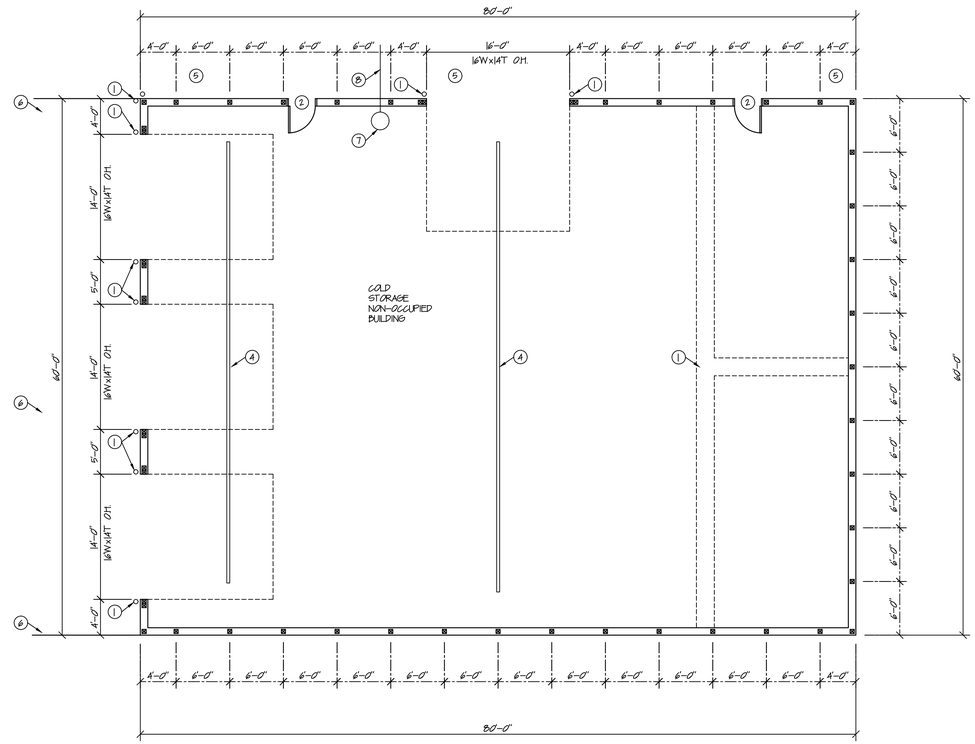
SCALE: 1/8" = 1'-0"

North

LIFE SAFETY NOTES

S1 OCCUPANCY NON HAZARD STORAGE
TYPE VB CONSTRUCTION
9,000 SF. BASE ALLOWABLE AREA
4,800 SF. ACTUAL
2 EXITS REQUIRED
2 EXITS PROVIDED

✱ DENOTES EMERGENCY EXIT



FLOOR PLAN

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

North

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RICHMOND
FIRE
DEPARTMENT
STATION #5
POLE BARN

RICHMOND, INDIANA

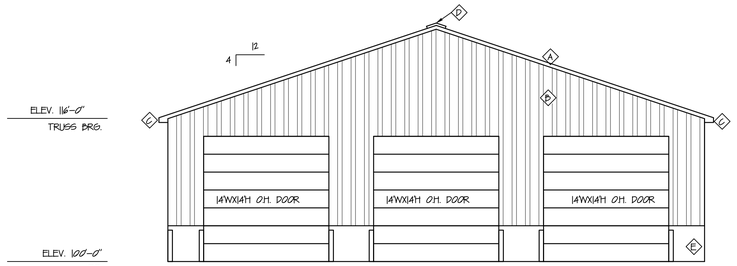
Project No..... 2367-1
Coordinator.... INDERSTRODT

Date..... 10/16/2023

Revision:
No. Date

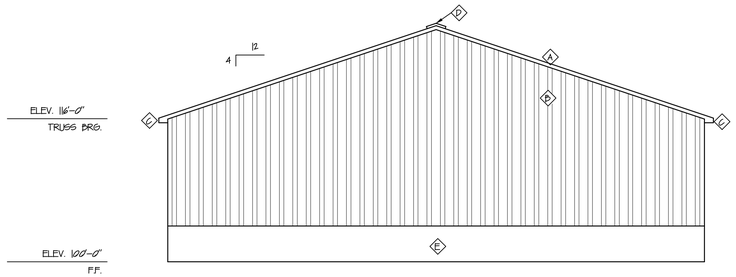
drawing
A1.1

of



WEST ELEVATION

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

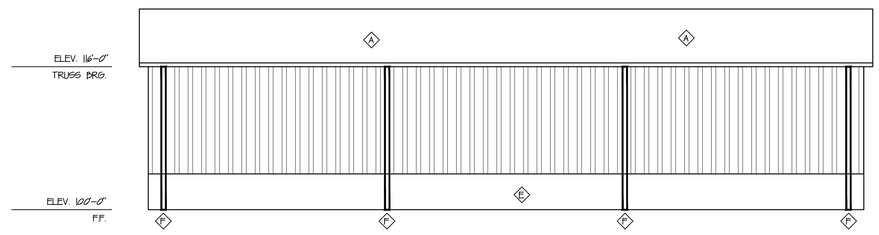


EAST ELEVATION

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

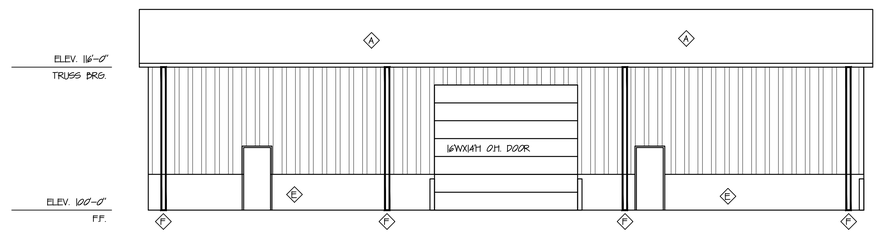
◇ KEYNOTES:

A. METAL ROOF 26 GA. SCREW DOWN
B. METAL SIDING 26 GA.
C. 6" CONTINUOUS ALUMINUM GUTTERS
D. CONTINUOUS RIDGE VENT
E. CONCRETE FOUNDATION WALL
F. 4"x6" DOWNSPOUT WITH TRANSITION BOOT TO UNDERGROUND STORM SEE SITE PLAN.



SOUTH ELEVATION

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



NORTH ELEVATION

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

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POLE BARN

RICHMOND, INDIANA

Project No..... 2367-1
Coordinator.... INDERSTRODT

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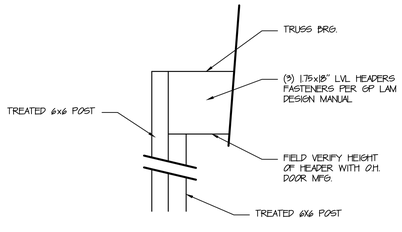
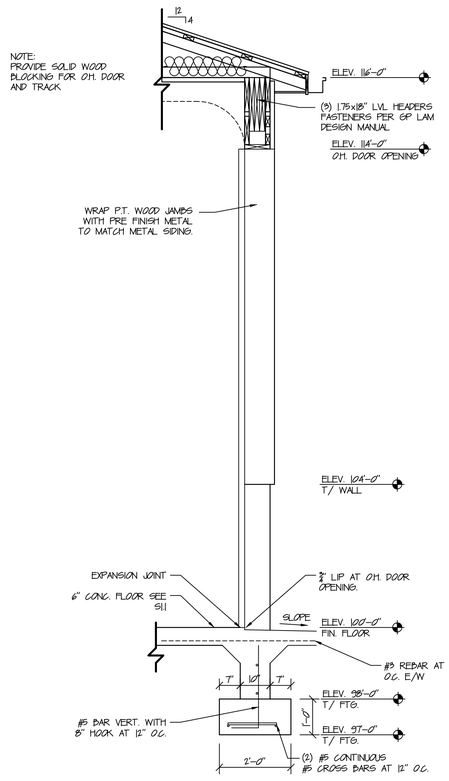
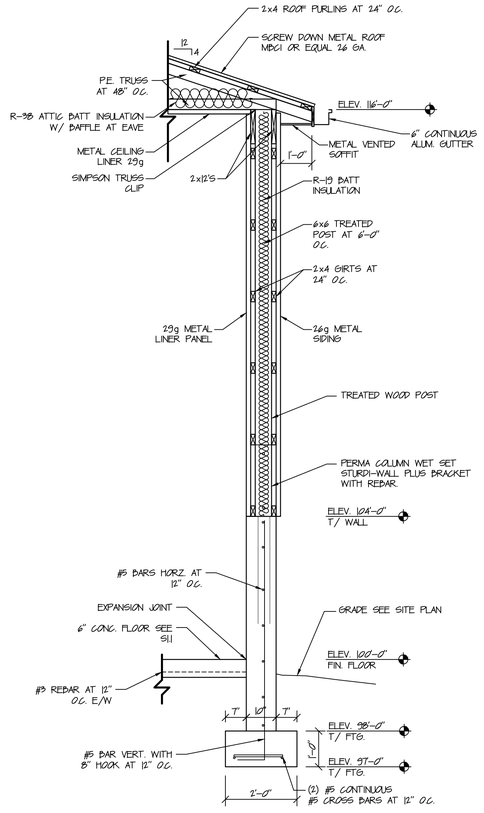
A2.1
of



A / A3.1 HEADER DETAIL
SCALE: 1/2" = 1'-0"



1 / A3.1 SECTION AT OH DOOR
SCALE: 1/8" = 1'-0"



1 / A3.1 SECTION
SCALE: 1/8" = 1'-0"

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RICHMOND FIRE DEPARTMENT STATION #5 POLE BARN

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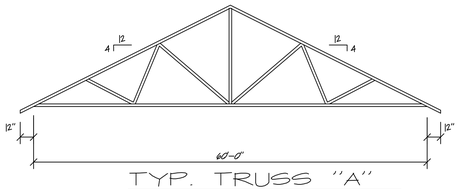


TYP. TRUSS "A"

NO SCALE:

DESIGN LOADS FOR TRUSSES

LL 20 PSF SNOW EXPOSURE C

DL TRUSS, SHEATHING AND PERLINS 24" O.C.

COLLATERAL LOAD 15 PSF :

MAX DEFLECTION L/480 MIN.

TRUSS SUPPLIER TO SUBMIT STRUCTURAL ANALYSIS DATA TRUSS SHOP DRAWINGS SIGNED AND SEALED BY PROFESSIONAL ENGINEER IN STATE OF INDIANA.

NOTE:

1. ATTIC ACCESS 30"x40" PER I.B.C. SEC.
2. ATTIC VENTILATION SHALL COMPLY WITH SECTION 1202.2 I.B.C.

CONCRETE NOTES:

1. Unless otherwise noted in the schedules or details, the minimum 28 day compressive strength of the concrete shall be 4000 p.s.i. for all parts of the structure except for column and wall footings which shall be 3000 p.s.i. All concrete shall be regular weight concrete. All slabs shall have welded wire fabric or fiber secondary reinforcement, u.n.o.
2. All concrete exposed to the weather shall be air-entrained with limestone aggregate. All other concrete may be air-entrained or non-air-entrained at the contractor's option. For surface finishes and other requirements, refer to the specifications.
3. Provide 3/4" chamfers on all exposed edges of concrete and the exposed corners of beams, piers, and columns unless otherwise shown or noted. See Architectural Drawings for additional details.
4. Details of fabrication of reinforcement, handling and placing of the concrete, construction of forms and placement of reinforcement not otherwise covered by the Plans and Specifications, shall comply with the A.C.I. Code Requirements of the latest revised date.
5. The Contractor shall consult with the Engineer before starting concrete work to establish a satisfactory placing schedule and to determine the location of construction joints so as to minimize the effects of shrinkage in the floor system.
6. All items of work to be installed in any concrete work, including pipes, sleeves and electrical conduits etc., shall be properly located, installed and checked before placing concrete.
7. All sizes and locations of slab openings and curbs for mechanical equipment shall be verified with the mechanical contractor. Dimensions of such openings and curbs shown on the structural plans and details MUST be verified with the mechanical contractor.
8. Keyed construction joints or control joints shall be provided in all slabs on grade (exposed slabs only). For a framed structure, joints shall be located on all column lines but if the column spacing exceeds 20'-0" intermediate joints should be provided. Exterior slabs and interior slabs without columns shall have joints spaced a maximum of 15'-0" apart.
9. All holes drilled into concrete for dowels shall be treated as follows:
   - A) Drill holes 1/8" larger than bar or bolt to be embedded.
   - B) Drill holes with single chisel tooth rotary percussion drill that feeds compressed air to the base of the hole through a hollow stem drill bit.
   - C) Drill the hole a minimum of 15 bar diameters or as shown on the plans.
   - D) Use a two-part epoxy adhesive system, Rawl Foil-Fast, Hilti Hit HY-150, or approved equal.

FOUNDATION NOTES:

1. Proofroll slab on grade areas with a medium-weight roller or other suitable equipment to check for pockets of soft material hidden beneath a thin crust of better soil. Any unsuitable materials thus exposed should be removed and replaced with compacted, engineered fill as outlined in the specifications. Proofrolling operations shall be monitored by the Testing Agency.
2. All engineered fill beneath slabs and over footings should be compacted to a dry density of at least 95% of the Standard Proctor maximum dry density (ASTM D-698). All fill which shall be stressed by foundation loads shall be approved granular materials compacted to a dry density of at least 100% (ASTM D-698.

   Coordinate all fill and compaction operations with the Specifications and the Geotechnical Evaluation.
3. Compaction shall be accomplished by placing fill in approx. 8" lifts and mechanically compacting each lift to at least the specified minimum dry density. Field density tests shall be performed on each lift as necessary to insure adequate compaction is being achieved.
4. Column footings and wall footings to bear on firm natural soils or well-compacted engineered fill with a design bearing pressure of 2000 psf for column and wall footings.

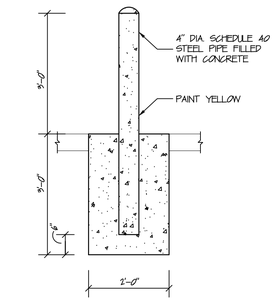
   It is essential that each foundation be inspected to insure that all loose, soft or otherwise undesirable material (such as organics, existing fill, etc.) is removed and that the foundation will bear on satisfactory material. The Soils Engineer shall inspect the subgrade and perform any necessary tests to insure that the actual bearing capacities meet or exceed the design capacities.
5. Place footings the same day the excavation is performed. If this is not possible, the footings shall be adequately protected against any detrimental change in condition, such as from disturbance, rain and freezing.
6. It is the responsibility of the Contractor and each Sub-Contractor to verify the location of all utilities and services shown, or not shown; and establish safe working conditions before commencing work.
7. The Contractor shall layout the entire building and field verify all dimensions prior to excavation.

STRUCTURAL DESIGN DATA:

1. The building was designed in accordance with the Indiana Building Code, 2012 Edition. Wind pressures were computed using 90 mph Basic Wind Speed, Exposure C.
2. The following gravity live loads were used in design of new structure:
   - A) Roofs---------- 25 lbs./sq.ft.+Drift
3. No future expansion has been considered.
4. If drawings and specifications are in conflict, the most stringent restrictions and requirements shall govern.
5. All Contractors are required to coordinate their work with all disciplines to avoid conflicts. The mechanical, electrical and plumbing aspects are not in the scope of these drawings. Therefore, all required materials and work may not be indicated.

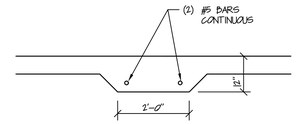
CONCRETE REINFORCING NOTES:

1. Reinforcement, other than cold drawn wire for spirals and welded wire fabric, shall have deformed surfaces in accordance with A.S.T.M. A305.
2. Where hooks are indicated, provide standard hooks per A.C.I. and C.R.S.I. for all bars unless other hook dimensions are shown on the plans or details.
3. Minimum concrete cover over main reinforcing steel shall be as follows: 3" at foundations, 2" at all dirt faces of walls and beams exposed to the weather, 1-1/2" at all pier and column ties, and 3/4" at other wall faces and in structural slabs unless shown or noted otherwise.
4. Where walls sit on column footings, provide dowels for the wall. For size and spacing of dowels see sections and details.



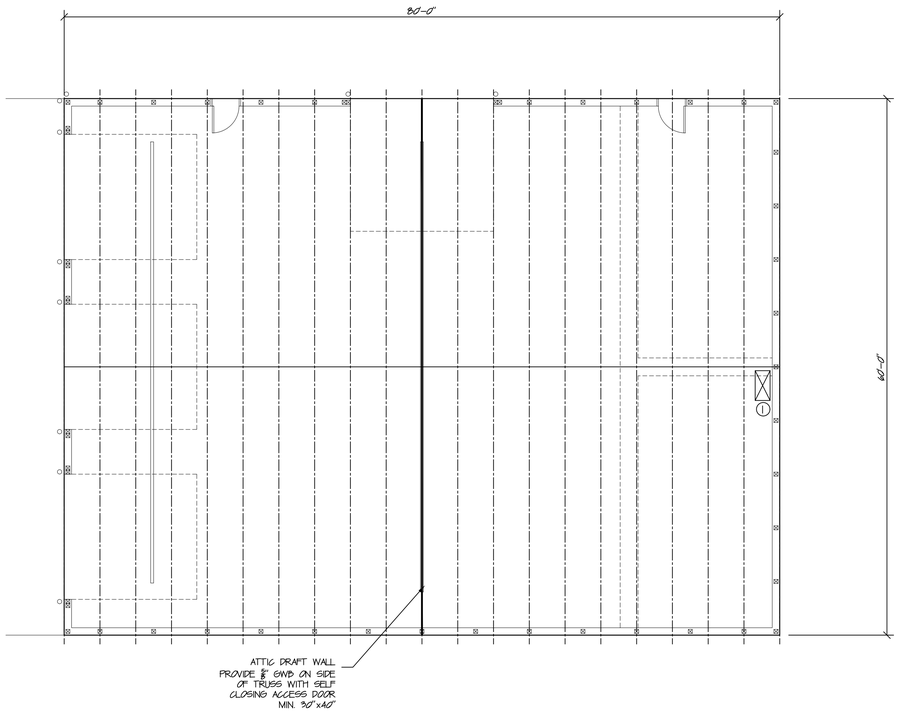
TYPICAL BOLLARD DETAIL

NO SCALE:



S1.1 THICKEN SLAB

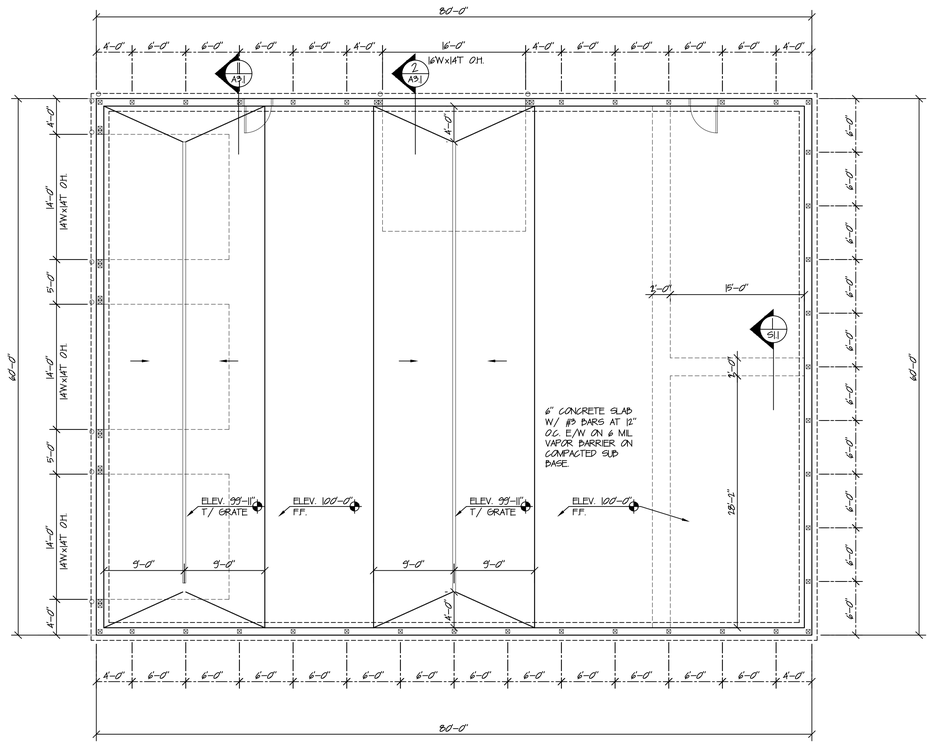
SCALE: 1/2" = 1'-0"



North

FRAMING PLAN

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



North

FOUNDATION PLAN

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

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