CONSERV FS KANSASVILLE

KANSASVILLE, WISCONSIN

ISG PROJECT # 23-28114

PROJECT GENERAL NOTES

- ALL WORK SHALL CONFORM TO THE CONTRACT DOCUMENTS, WHICH INCLUDE, BUT ARE NOT LIMITED TO, THE OWNER CONTRACTOR AGREEMENT, THE PROJECT MANUAL, WHICH INCLUDES GENERAL AND SUPPLEMENTARY CONDITIONS AND SPECIFICATIONS). DRAWINGS OF ALL DISCIPLINES AND ALL ADDENDA, MODIFICATIONS AND CLARIFICATIONS ISSUED BY THE
- CONTRACT DOCUMENTS SHALL BE ISSUED TO ALL SUBCONTRACTORS BY THE GENERAL CONTRACTOR IN COMPLETE SETS IN ORDER TO ACHIEVE THE FULL EXTENT AND COMPLETE COORDINATION OF ALL WORK. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL WORK. CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND CORRELATING QUANTITIES AND DIMENSIONS.

 WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. NOTIFY
- ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR CONDITIONS REQUIRING INFORMATION OR CLARIFICATION BEFORE PROCEEDING WITH THE WORK. FIELD VERIFY ALL ENGINE CONDITIONS AND DIMENSIONS. NOTIFY ARCHITECT / ENGINEER OF ANY DISCREPANCIES OR CONDITIONS REQUIRING INFORMATION OR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
- PROCEEDING WITH THE WORK.

 DETAIL S HOWN ARE INTENDED TO BE INDICATIVE OF THE PROFILES AND TYPE OF DETAILING REQUIRED THROUGHOUT THE WORK. DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO DETAILS SHOWN. WHERE SPECIFIC DIMENSIONS, DETAILS OR DESIGN INTENT CANNOT BE DETERMINED, NOTHEY ARCHITECT JENGINEER BEFORE PROCEEDING WITH THE WORK.
- ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED, ERECTED, CLEANED AND CONDITIONED ACCORDING TO MANUFACTURERS' INSTRUCTIONS AND INSTEMEDRA'S, IN CASE OF DISCREPANCIES BETWEEN HAN
- WORK.

 3. LARGE-SCALE, MORE SPECIFIC DETAILS TAKE PRECEDENCE OVER SMALLER-SCALE, LESS SPECIFIC DETAILS AND INFORMATION. MORE STRINGENT REQUIREMENTS FOR CODE, PRODUCTS AND INSTALLATION TAKE PRECEDENCE OVER LESS STRINGENT REQUIREMENTS. NOTIFY ARCHITECTENSINEER OF ANY DISCREPANCIES OR CONDITIONS REQUIRING INFORMATION OR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.

 1. PROVIDE CONTINUOUS SEALANT AROUND ALL MATERIALS AT ALL INTERIOR AND EXTERIOR WALL PENETRATIONS. REFER TO SPECIFICATIONS FOR APPROPRIATE SEALANT.

 ALL DISSIBILIAR METALS SHALL BE EFFECTIVELY ISOLATED FROM EACH OTHER TO AVOID GALVANIC CORROSION.
- GALVANIC CORROSION.

 SEAL ALL OPENINGS IN WALLS, FLOORS, CEILINGS, AND ROOFS, AROUND DUCTS, PIPES, VENTS, TRAPS, CONDUIT AND ALL OTHER PENETRATIONS WITH FIRE STOPPING AS SPECIFIED AND REQUIRED BY CODES. IF FIRE STOPPING IS NOT REQUIRED AT PENETRATIONS PER CODE, SEAL WITH CONTINUOUS SEALANT.
- IWITH CONTINUOUS SEALANT.

 PROVIDE TEMPORARY WALLS, ENCLOSURES, DUST SHIELDS AND WALK-OFF MATS AS REQUIRED TO SEPARATE DEMOLITION AND CONSTRUCTION FROM EXISTING BUILDING.

 PROVIDE BRACING AND SHORING AS REQUIRED TO PROTECT EXISTING STRUCTURE TO REMAIN. PROVIDE SECURE AND WEATHERPROOF ENCLOSURE OF TEMPORARY OPENINGS IN EXTERIOR WALLS, PROTECT AUTOMOTE AND WEATHERPROOF ENCLOSURE OF TEMPORARY OPENINGS IN EXTERIOR WALLS, PROTECT ALL BUILDING COMPONENTS FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION.
- CONSTRUCTION.
 RESTORE ALL EXISTING AREAS AFFECTED BY DEMOLITION AND RELATED NEW CONSTRUCTION TO THEIR ORIGINAL CONDITION. INCLUDING BUT NOT LIMITED TO WALLS, FLOORS, AND CEILINGS ANT THEIR ASSOCIATED FINISHES.

 PROVIDE SOLID WALL BACKING WITH METAL OR FIRE-RETARDANT WOOD BLOCKING BEHIND DOOR HARDWARE SUCH AS WALL STOPS, BUMPERS, HOLD OPENS, ETC. AND AT ALL ITEMS REQUIRING FASTENING THROUGH GIPP BD. TO BLOCKING

SHEET INDEX CC1-10 EROSION CONTROL NOTES CC1-20 EROSION CONTROL DETAILS C1-30 EROSION CONTROL PLAN C2-10 EXISTING SITE AND REMOVALS C3-10 SITE PLAN C4-10 GRADING PLAN ARCHITECTURAL AT-21 FLOOR PLANS, DOOR SCHEDULE, DETAILS & WALL TYPE A3-11 BUILDING ELEVATIONS, WALL & BUILDING SECTION STRUCTURAL AS-11 BUILDING ELEVATIONS, WALL & DOILG STRUCTURAL NOTES S1-00 STRUCTURAL NOTES S1-01 SPECIAL INSPECTIONS (PER IBC 2015 S1-01 STRUCTURAL SCHEDULES S1-11 FOUNDATION PLAN S1-21 DRAIN TILLE & CONTROL JOINT PLAN S1-31 SLAB PLAN S2-11 FOUNDATION & SLAB DETAILS S2-12 FOUNDATION & SLAB DETAILS





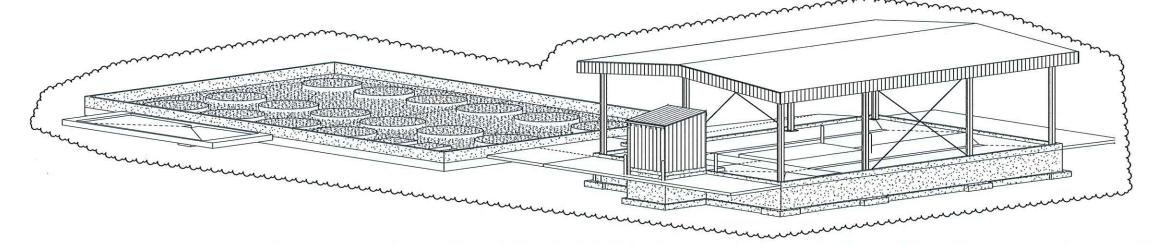




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CONSERV FS KANSASVILLE

	REVIS	ION SCHEDULE	
DATE		DESCRIPTION	T
10/19/23	SUPPLEMENT	TAL INSTRUCTIONS #01	K
12/05/23	SUPPLEMENT	TAL INSTRUCTIONS #02	K
05/03/24	SUPPLEMEN	FAL INSTRUCTION #04	0
PROJEC	00000	23-28114	_
FILE NAM	AE .	28114 Arch R24.rvt	
DRAWN	BY	KNM	
DESIGNE	D BY	OA	
REVIEW	ED BY	DCM	
ORIGINA	L ISSUE DATE	09/22/23	
CLIENT F	ROJECT NO.		



PROJECT INDEX:

OWNER:

JAKE GREGORY MAIN OFFICE, P.O. BOX 1550, 1110 MCCONNELL RD, WOODSTOCK, ILLINOIS 60098

PROJECT ADDRESS:

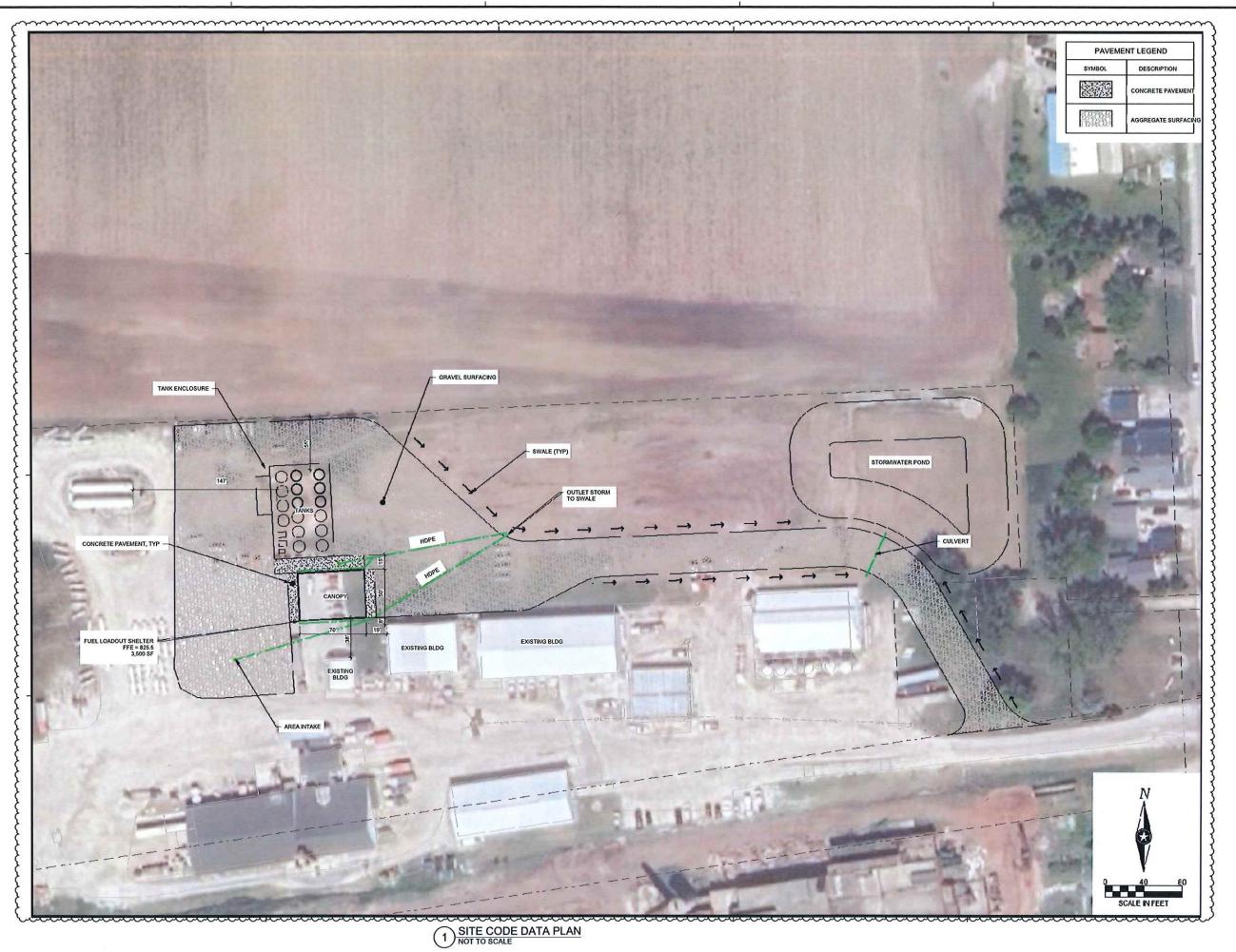
4304 S BEAUMONT AVE KANSASVILLE, WISCONSIN 53139 MANAGING OFFICE:



GREEN BAY OFFICE 115 PINE STREET **GREEN BAY, WISCONSIN 54301** PHONE: 920.434.2128 PROJECT MANAGER: JOHN SHAMLA EMAIL: JOHN.SHAMLA@ISGINC.COM RECEIVED MAY 2 2 2024 RACINE COUNTY

TITLE SHEET, SHEET INDEX, **PROJECT GENERAL NOTES**

G1-10







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CONSERV FS KANSASVILLE

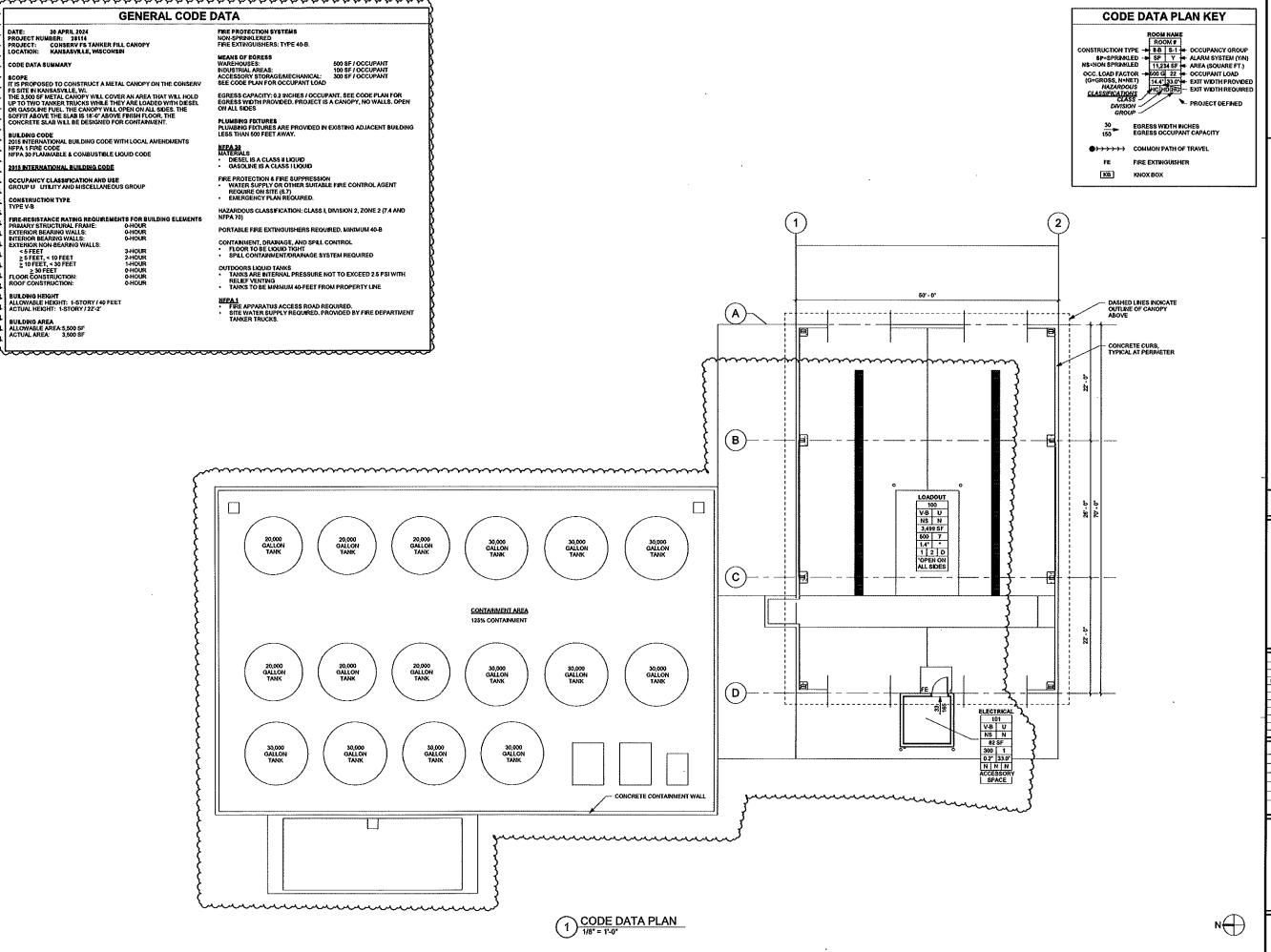
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	REVIS	ION SCHEDULE	
DATE		DESCRIPTION	BY
10/19/23	SUPPLEMENT	TAL INSTRUCTIONS #01	KNM
05/03/24	SUPPLEMENT	FAL INSTRUCTION #04	DRP
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DRAWN	BY	KNM	
DESIGNE	D BY	KNM	
REVIEW	ED BY	DFS	
ORIGINA	L ISSUE DATE	10/19/23	
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TITL

SITE CODE DATA PLAN

HEET

G1-21



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PROJECT

CONSERV FS
KANSASVILLE

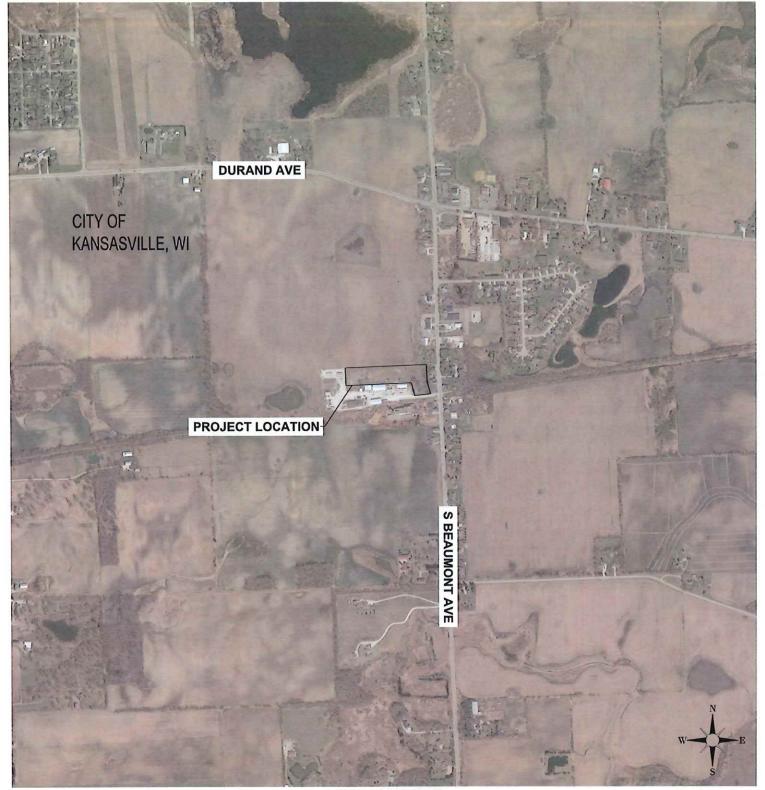
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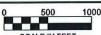
CODE DATA AND CODE DATA PLAN

SHEET

G1-22



LOCATION MAP



CIVI	L PLAN ABBRE\	/IATI	ONS:												
AC	ACRE	a	CONTROL JOINT	EOF	EMERGENCY OVERFLOW	GL	GUTTER LINE	IPS	IRON PIPE SIZE	NWL	NORMAL WATER LEVEL	P.CP	REINFORCED CONCRETE PIPE	THRU	THROUGH
ADA	AMERICANS WITH DISABILITIES ACT	α	CENTERLINE	EQ	EQUAL	GPM	GALLONS PER MINUTE	J-BOX	JUNCTION BOX	oc	ON CENTER	R.D	ROOF DRAIN	TNFH	TOP NUT OF FIRE HYDRA
ADD	ADDENDUM	CMP	CORRUGATED METAL PIPE	EX	EXISTING	GV	GATE VALVE	Л	JOINT	OCEW	ON CENTER EACH WAY	REBAR	REINFORCING BAR	TRANS	TRANSFORMER
AFF	ABOVE FINISHED FLOOR	co	CLEANOUT	FDC	FIRE DEPARTMENT CONNECTION	HOPE	HIGH DENSITY POLYETHYLENE	LF	LINEAR FEET	OH	OVERHEAD	REM	REMOVE	TV	TELEVISION
AGG	AGGREGATE	CONC	CONCRETE	FDN	FOUNDATION	HD	HEAVY DUTY	LIN	LINEAR	CHO	OVERHEAD DOOR	P.OW	RIGHT OF WAY	T/W	TOP OF WALL
APPROX	APPROXIMATE	CONST	CONSTRUCTION	FES	FLARED END SECTION	HH	HANDHOLE	LPS	LOW PRESSURE STEAM	OZ	OUNCE	R/W	RIGHT OF WAY	TYP	TYPICAL
ARCH	ARCHITECT, ARCHITECTURAL	CONT	CONTINUOUS	FFE	FINISHED FLOOR ELEVATION	HORIZ	HORIZONTAL	LS	LUMP SUM	PED	PEDESTAL, PEDESTRIAN	SAN	SANITARY	IIT	UTILITY, UNDERGROUND
BFE	BASEMENT FLOOR ELEVATION	CY	CUBIC YARD	FPM	FEET PER MINUTE	HR	HOUR	LSO	LOWEST STRUCTURAL OPENING	PERF	PERFORATED	SCH	SCHEDULE	01	TELEPHONE
BIT	BITUMINOUS	C&G	CURB AND GUTTER	FPS	FEET PER SECOND	HWL	HIGH WATER LEVEL	MAX	MAXIMUM	PL	PROPERTY LINE	SF	SQUARE FOOT	VCP	VITRIFIED CLAY PIPE
CAD	COMPUTER-AIDED DESIGN	DEMO	DEMOLITION	FT	FOOT, FEET	HWY	HIGHWAY	MB	MAILBOX	PP	POLYPROPYLENE	SPEC	SPECIFICATION	W/O	WITHOUT
CB	CATCH BASIN	DIA	DIAMETER	FTG	FOOTING	HYD	HYDRANT	MECH	MECHANICAL	PSI	POUNDS PER SQUARE INCH	SQ	SQUARE	W/	WITH
CFS	CUBIC FEET PER SECOND	DIM	DIMENSION	GA	GAUGE	1	INVERT	MH	MANHOLE	PVC	POLYVINYL CHLORIDE	STA	STATION	10	YARD
CF	CUBIC FOOT	DS	DOWNSPOUT	GAL	GALLON	ID	INSIDE DIAMETER	MIN	MINIMUM	PVMT	PAVEMENT	SY	SQUARE YARD	18	YEAR
a	CAST IRON	EA	EACH	GALV	GALVANIZED	IN	INCH	MISC	MISCELLANEOUS	QTY	QUANTITY	T/C	TOP OF CURB		
CIP	CAST IRON PIPE	ELEC	ELECTRICAL	GC	GENERAL CONTRACTOR	INV	INVERT	NO	NUMBER	R	RIM	TEL	TELEPHONE		
CIPC	CAST IN PLACE CONCRETE	FIFV	FIFVATION	GEE	GARAGE FLOOR FLEVATION	IP	IRON PIPE	NTS	NOT TO SCALE	RAD	RADIUS	TEMP	TEMPORARY		

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- ALL DISSIMILAR METALS SHALL BE EFFECTIVELY ISOLATED FROM EACH OTHER TO AVOID GALVANIC CORROSION.
- 8. THE LOCATION AND TYPE OF ALL EXISTING UTILITIES SHOWN ON THE PLANS ARE FOR GENERAL INFORMATION ONLY AND ARE ACCURATE AND COMPLETE TO THE BEST OF THE RINGWLEDGE OF I & S GROUP, INC. (ISG), NO WARRANTY OR GUARANTEE IS IMPLIED. THE CONTRACTOR SHALL VERIFY THE SIZES, LOCATIONS, AND ELEVATIONS OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL WEIGHT WITH STATEMENT OF SHALL WEIGHT WITH STATEMENT OF CONSTRUCTION. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES OR VARIATIONS FROM PLAN.
- 9. THE CONTRACTOR IS TO CONTACT 'DIGGERS HOTLINE' FOR UTILITY LOCATIONS A MINIMUM OF 3 BUSINESS DAYS PRIOR TO ANY EXCAVATION / CONSTRUCTION (611 OR 1-800-242-8511).



SPECIFICATIONS REFERENCE

ALL CONSTRUCTION SHALL COMPLY WITH THE RACINE COUNTY REQUIREMENTS, WISDOT STANDARD SPECIFICATIONS, 2024 EDITION, WISDOT CONSTRUCTION AND MATERIALS MANUAL, CURRENT EDITION, WISCONSIN DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES STATE PLUMBING CODE, CURRENT EDITION, AND STAMDARD SPECIFICATION FOR SEWER & WATER CONSTRUCTION IN WISCONSIN, 6th EDITION, UNLESS DIRECTED OTHERWISE.

PROJECT DATUM

HORIZONTAL COORDINATES HAVE BEEN REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT (NAD83(2011)) ON THE WISCONSIN STATE PLANES SOUTH COORDINATE SYSTEM, IN U.S. SURVEY FEET.

TOPOGRAPHIC SURVEY

THIS PROJECT'S TOPOGRAPHIC SURVEY CONSISTS OF DATA COLLECTED IN NOVEMBER 2022 BY AMBIT LAND SURVEYING.

B.M. ELEVATION=820.089

CONCRETE MONUMENT ON NE CORNER OF SEC. 34-3-20 ON NGVD 1929

LEGEND

EXISTING	
	CITY LIMITS
	SECTION LINE
	QUARTER SECTION LINE
	RIGHT OF WAY LINE
	PROPERTY/LOTLINE
	EASEMENT LINE
	ACCESS CONTROL
w	WATER EDGE
WET	WETLAND BOUNDARY
* * * * *	WETLAND/MARSH
xxx	FENCE LINE
>	CULVERT
	STORM SEWER
	SANITARY SEWER
	SANITARY SEWER FORCEMAIN
	WATER
	GAS
	OVERHEAD ELECTRIC
	UNDERGROUND ELECTRIC
ur	UNDERGROUND TELEPHONE
	UNDERGROUND TV
	OVERHEAD UTILITY
	UNDERGROUND UTILITY
	UNDERGROUND FIBER OPTIC
— — 990 — —	CONTOUR (MAJOR)
	CONTOUR (MINOR)
(.)	DECIDUOUS TREE
	CONFEROUS TREE
~~~~~~	TREE LINE
0	MANHOLE/STRUCTURE
\$	CATCH BASIN
	HYDRANT
M	VALVE
⊗	CURB STOP
Ø	POWER POLE
0	UTILITY PEDESTAL / CABINET

### PROPOSED LOTLINE RIGHT OF WAY EASEMENT CULVERT STORM SEWER STORM SEWER (PIPE WIDTH) SANITARY SEWER SANITARY SEWER (PIPE WIDTH) WATER OVERHEAD ELECTRIC UNDERGROUND ELECTRIC UNDERGROUND TV MANHOLE (STORM, SANITARY)

**CIVIL SHEET INDEX** 

CO-20 SITE SPECIFICATIONS AND DETAILS CO-21 DETAILS C1-10 EROSION CONTROL NOTES C1-20 EROSION CONTROL DETAILS

CO-10 SITE DATA SHEET

C1-30 EROSION CONTROL PLAN C2-10 EXISTING SITE AND REMOVALS
C3-10 SITE AND UTILITY PLAN

HYDRANT

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### **CONSERV FS**

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	REVIS	ION SCHEDULE	
DATE	l t	DESCRIPTION	BY
05/03/24	SUPPLEMENT	FAL INSTRUCTIONS #04	DAA
PROJEC	T NO.	22-28114	
FILE NA	ΛE	28114 CO SITE DATA SH	EET
DRAWN	BY	MJE/AAQ	
DESIGNE	D BY	MJE	
REVIEW	ED BY	KR	
ORIGINA	L ISSUE DATE	09/20/23	
CHENTS	PROJECT NO		

SITE DATA SHEET

SHEET C0-10

### SITE WORK SPECIFICATION

### 1 GENERAL:

- 1.1 SCOPE OF THE WORK Shall consist of the following:
  - A. Site Work, including excavation and grading, storm sewer, base aggregate dense, concrete pavement, erosion control, and other incidental items.
- 1.2 SPECIFICATIONS WHICH APPLY Includes, but is not limited to the following:
  - A. State Building Code.
  - B. General Conditions, General Requirements, Racine County requirements, WisDOT "Standard Specifications", 2023 edition, WisDOT Constructions and Materials Manual, Current Edition, Wisconsin Department of Safety and Professional Services State Plumbing Code, current edition, Standard Specification for Sewer & Water Construction in Wisconsin, 6th edition, and these specifications.

### 2 SITE WORK:

- 2.1 GENERAL The scope of the work will include excavation and grading of building pads, gravel surfacing areas, and landscaped areas; construction of storm drains; installation of base aggregate dense, concrete pavement, erosion control, landscaping, and other incidental items.
- 2.2 CLEARING AND GRUBBING All clearing and grubbing shall be considered incidental.

### 2.3 GRADING:

- A. Work Shall Include Stripping and removal of topsoil and unsuitable soils; installation of engineered fill; and regrading of site to indicated grades.
- B. The Contractor shall maintain drainage through the project area at all times. All materials, piping, pumping, equipment, and labor necessary to maintain drainage (dewatering) shall be considered incedental to the project, unless otherwise specified.

- C. Topsoil and unsuitable soils in the building area shall be excavated to a minimum depth of 1'-6". The subgrade shall be examined by a soils engineer prior to placement of fill. The excavation shall be maintained free of water at all times.
- D. Topsoil in the areas under the proposed gravel surfacing and concrete pavement shall be excavated to a minimum depth of 1'-6". Areas found to have unsuitable solls within the upper 3' of subgrade shall be excavated to remove the unsuitable soils and the subgrade shall be prepared in accordance with WisDOT Sections 205
- E. The building area shall be filled to the bottom of the floor slab section using nonorganic suitable onsite material or borrow meeting the requirements of WisDOT 2.6 Section 208. Fill shall be placed and compacted in maximum 8" lifts in accordance with WisDOT Section 207.
- F. Where required, the grade shall be raised to the bottom of the pavement section, using non-organic suitable onsite material or borrow meeting the requirements of WisDOT Section 208. The material shall be placed and compacted in max 8" lifts. Compaction shall be by standard compaction methods, in accordance with WisDOT Section 207.
- G. Salvaged material shall be used to fill grassed areas, as required, leaving room for 0'-6" minimum of topsoil in the landscaped areas. Unsuitable materials such as rocks, boulders, tree roots, etc. shall be removed from the backfill material and disposed of off site.
- H. Topsoll shall be spread, to a minimum depth of 0'-6", over all areas to be sodded or landscaped and shall be graded to the contours shown on the plans, allowing room for any landscaping mulch.
- I. All testing during fill placement shall be the responsibility of the contractor.

### STORM DRAINS:

A. Work shall include construction of storm sewer pipe, fittings, and structures as shown on the plans and in accordance with County requirements, State Plumbing Code, and Standard Specifications for Sewer & Water Construction in Wisconsin.

### CONCRETE PAVEMENT:

A. Work shall include preparation of subgrade, installation of foundation material and pavement as shown in the plans and in accordance with WisDOT Sections 211, 301, 305, 415, 416, 501, 505, 601, 602.

### **GRAVEL SURFACING:**

A. Working shall include preparation of subgrade, installation of geotextile fabric and base course as shown on the plans and in accordance with WisDOT Sections 211, 301, 305, 645.

### FROSION CONTROL:

- A. Work shall include installation and maintenance of Best Management Practices (BMPs) according to the Erosion Control Plan.
- B. Seed shal bee WisDOT Mixture No. 10 and be placed with mulch and fertilizer according to WisDOT Section 627, 629, 630,

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PROJECT NO.	22-28114	
FILE NAME	28114 CO DETAILS	
DRAWN BY	MJE/AAQ	Ī
DESIGNED BY	MJE	ī
REVIEWED BY	KR	Ī
ORIGINAL ISSUE DATE	09/20/23	

KANSASVILLE

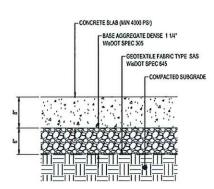
SITE **SPECIFICATIONS AND DETAILS** 

C0-20

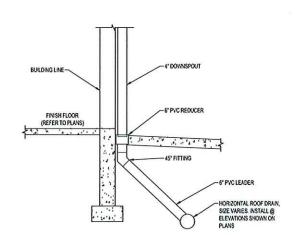
STORM DRAIN PIPE BEDDING

BASE AGGREGATE DENSE 1 1/4"
WISDOT SPEC 305 EOTEXTILE FASRIC TYPE SAS OMPACTED SUBGRADE

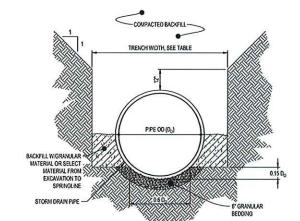




**HEAVY DUTY** CONCRETE PAVEMENT



VERTICAL RAIN LEADER



TREN	CH WIDTH
PIPE Ø	TRENCH WIDTH
36" OR LESS	D ₀ +24*
42° TO 54°	1.5 x D ₀
60" OR OVER	D ₀ + 36*

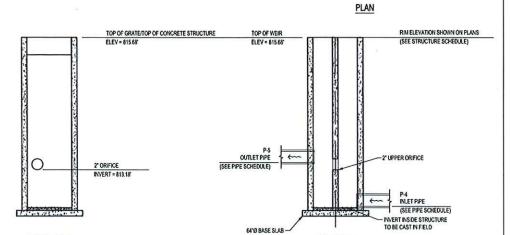
### NOTES:

GRANULAR BEDDING AND BACKFILL FOR STORM DRAIN PIPES SHALL BE INCIDENTAL TO STORM DRAIN CONSTRUCTION

REINFORCED CONCRETE

- GRIND EXPOSED FIELD AND SHOP WELDS FLUSH WITH ADJACENT SURFACES.
- AFTER FABRICATION, GALVANZE STRUCTURAL SHAPES
  AND MISCELLANEOUS ITEMS IN ACCORDANCE WITH
  ASTM A123.
- REPAIR DAMAGED AND SCRATCHED GALVANIZED COATINGS AFTER INSTALLATION.
- GROUT AROUND ALL PIPES ON INSIDE AND OUTSIDE OF MANHOLE.

SECTION B-B



64YO BASE SLAB -

SECTION A-A

ST-1 POND OUTLET STRUCTURE NTS



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KANSASVILLE

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		_				
		-				

PROJECT NO.	22-28114
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DRAWN BY	MJE/AAQ
DESIGNED BY	MJE
REVIEWED BY	KR
ORIGINAL ISSUE DATE	09/20/23

**DETAILS** 

SHEET

C0-21

### STORM WATER POLLUTION PREVENTION PLAN NOTES:

PROJECT NARRATIVE:
This project includes the construction of aggregate surface, site utilities, grading, stormwater management, restoration, erosion control, and any incidental work.

Project does require a Wisconsin Pollution Discharge Elimination System (WPDES) Stormwater Construction Permit from the WDNR

Contractor shall identify a person knowledgeable and experienced in the application of erosion prevention and sediment control BMP's who will oversee the implementation and inspection of the SWPPP.

Contact Person: Phone Company: Contact Person:

Owner shall identify the entity responsible for the long term Operation and Maintenance of the storm water management system.

PROJECT AREAS: Total project size (disturbed area) = 3.92 acres Existing area of impervious surface = 0.00 acres Post construction area of impervious surface = 2.21 acres

Contact Person:

2.21 acres of impervious area is added to the site.

RECEIVING WATERS:
Surface waters which will receive storm water from the site within 1 mile (aerial radius measurement) of project boundary. Include waters shown on USGS 7.5 minute quad and all special or impaired

Name of Water Body	Type (ditch, pond, lake, etc.)	Special/Impaired Water?
Unnamed Local Waters	Open Water & River/Stream	No

### SOIL TYPES:

Sity Loam

### CONSTRUCTION ACTIVITY NOTES:

### EROSION PREVENTION:

Construction of silt fence and all other erosion control measures shall be complete before other construction activity occurs. Use phased construction wherever practical and establish turf as soon as possible to minimize sediment transport.

Temporary cover during construction is incidental.

Pipe outlets must be provided with temporary or permanent energy dissipation within 24 hours after connection to a surface water.

All exposed soils shall be seeded or sodded at the earliest possible time to prevent/reduce erosion.

Refer to Erosion Control Plan sheet C1-30 for restoration items.

Temporary mulching shall be applied at construction staging area. Mulch shall be disc anchored.

Additional erosion prevention measures may be found in the permit and WDNR's Best Management

SEDIMENT CONTROL PRACTICES:
Construction of silt fence and all other erosion control measures shall be complete prior to land disturbing activities occur

A tracking pad entrance or other approved alternative must be constructed at the entry point to the

Inlet erosion protection shall be installed and maintained until turf or pavement has been established.

The contractor shall be responsible to control erosion from leaving the construction zone. All eroded material that leaves the construction zone shall be collected by the contractor and returned to the site at the contractor's expense.

Contractor shall maintain a 50-foot natural buffer or use redundant sediment controls near surface waters if a buffer is not feasible.

Contractor shall take the necessary steps to minimize soil compaction and preserve topsoil on site.

All streets must be swept within 24 hours when any tracking occurs.

Silt fence or other effective erosion control measures must be installed around the perimeter of any soil stockpiled, including temporary stockpiles, at this location or any other on the project site.

Stockpiles cannot be placed in surface waters, including storm water conveyances such as curb and

### DE-WATERING AND BASIN DRAINING:

nent-laden water to sedimentation basin if possible, or use other BMP's to prevent erosions when discharging to surface waters. Use appropriate energy dissipation measures on all

De-watering practices cannot cause nuisance conditions, or erosion in receiving channels or inundation of wetlands resulting in adverse impacts.

### CONSTRUCTION ACTIVITY NOTES:

POLLUTION PREVENTION:
All solid waste collected from the construction site must be disposed in accordance with all

All hazardous materials (oil, gasoline, fuel, paint, etc) must be properly stored to prevent spills, leaks, or other discharge. Storage areas shall provide secondary containment and a hazardous materials spill kit. Equipment fueling and maintenance shall occur in a designated, contained area. Storage and disposal of hazardous waste must be in compliance with all applicable regulations. All runoff containing any hazardous material must be properly collected and disposed. No engine degreasing shall be allowed on site.

All sanitary wastes must be collected from portable units on site by a licensed sanitary waste management contractor. The units must be secured and shall be maintained on a regular basis as needed to prevent overfilling.

Emergency Spill Plan - The Contractor is responsible for all construction personnel to be informed of the manufacturers' recommended spill cleanup methods, and the location of that information and cleanup supplies. If a spill occurs, the following steps shall be followed:

- Observe the safety precautions associated with the spilled material. Stop the source of the spill, if you can do so safety. Call 911 if fire or public safety hazards are created.
- 2. Contain the spilled material. Dirt, sand, or any semi-impermeable material may be used to create a containment structure to prevent the material from flowing.
- 3. Report the soil to the Wisconsin Department of Natural Resources
- 4. Clean up the spilled material and dispose of the wastes properly. With the exception of used oil, waste generated from petroleum spills that have been reported and cleaned up immediately are exempt from Wisconsin's Hazardous Waste Rules. Waste generated from used oil spills must be sent to a facility for energy recovery.

The contractor is responsible for monitoring air pollution and ensuring it does not exceed levels set by local, state, or federal regulations. This includes dust created by work being performed on the site. Air pollution and dust control correction is considered incidental to the unit bid prices for which work is being performed. Additional dust control measures may be required by the

Provide Dust Control in areas of concrete removal, slurry control, and clean-up of concrete slurry

Concrete washout on site. All liquid and solid wastes generated by concrete washout operations must be contained in a leak-proof containment facility or impermeable liner. The liquid and solid wastes must not contact the ground, and there must not be runoff from the concrete washout operations areas. Liquid and solid wastes must be disposed of properly and in compliance with WDNR regulations. A sign must be installed adjacent to each washout facility to inform concrete equipment operators to utilize the proper facilities.

INSPECTION AND MAINTENANCE:
The Contractor is Responsible for the implementation of the Erosion Control Plan including inspections and maintenance.

The Contractor must routinely inspect the construction site once every seven (7) days during active construction and within 24 hours of a rainfall event greater than 0.5 inches in a 24 hour

All inspections performed during construction must be recorded and records retained on site. Contractor is responsible for keeping a record of all rainfall data & erosion control maintenance until final establishment of turf.

All sit fences must be repaired, replaced, or supplemented when they become nonfunctional or the sediment reaches 's of the height of the fence. Erosion control and other BMP's must be replaced, repaired, or supplemented when they reach 33% design load.

FINAL STABILIZATION:
The Contractor must ensure final stabilization of the site. The contractor must submit a Notice of Termination when the site has undergone final stabilization and all stormwater discharges associated with the construction site activities that require to have WPDES coverage have

All temporary erosion control measures and BMP's must be removed as part of the final site

The stormwater permit further defines final stabilization and its requirements.



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### **CONSERV FS**

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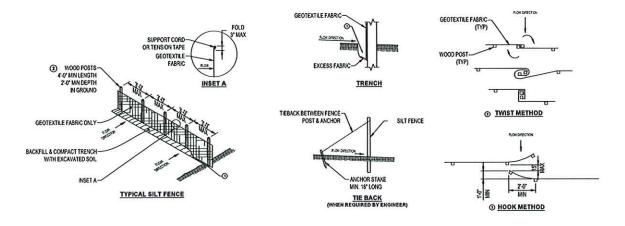
TITLE

DESIGNED BY

REVIEWED BY ORIGINAL ISSUE DATE 09/20/23

**EROSION CONTROL NOTES** 

SHET COURSE C1-10

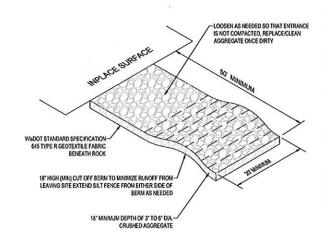


### NOTES:

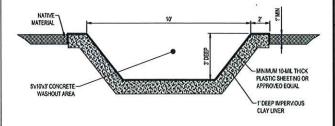
ATTACH FABRIC TO THE POSTS WITH WIRE STAPLES OR WOODEN LATH & NAILS. ADDITIONAL POST DEPTH OR TIE BACKS MAY BE REQUIRED IN UNSTABLE SOLS. 8'-0' POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

- O FOR MANUAL INSTALLATIONS, TRENCH SMALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY & ANCHOR THE GEOTEXTILE FASRIC. FOLD MATERIAL TO FIT TRENCH, BLOXFILL, & COMPACT TRENCH WITH EXCAVATED SOIL.
- ② WOOD POST SHALL BE A MINIMUM SIZE OF 1 ¼" x 1 ¼" OF OAK OR HICKORY.
- O CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS.
- A. TWIST METHOD OVERLAP THE END POSTS & TWIST, OR ROTATE AT LEAST 180".
- B. HOOK METHOD HOOK END OF EACH SILT FENCE LENGTH.

SILT FENCE



**ROCK TRACKING PAD** 



### NOTES:

CONCRETE WASHOUT LOCATION WILL BE APPROVED BY ENGINEER. CONTRACTOR SHALL INSTALL A SIGN INDICATING THE CONCRETE WASHOUT AREA. CONTRACTOR SHALL MAINTAIN WASHOUT AREA TO REMOVE MATERIALS BEYOND 75% CAPACITY WASHOUT AREA SHALL NOT BE PLACED WITHIN 50' OF STORM DRAINS, OPEN DITCHES OR BODIES OF WATER. CONTRACTOR SHALL INSPECT WASHOUT AREA AS NECESSARY TO PREVENT LEAKS AND OVER TOPPING. WASHOUT AREA SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETE.

**CONCRETE WASHOUT** 



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KANSASVILLE

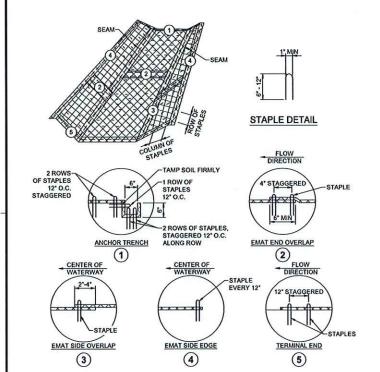
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**EROSION** CONTROL DETAILS

SHEET

C1-20



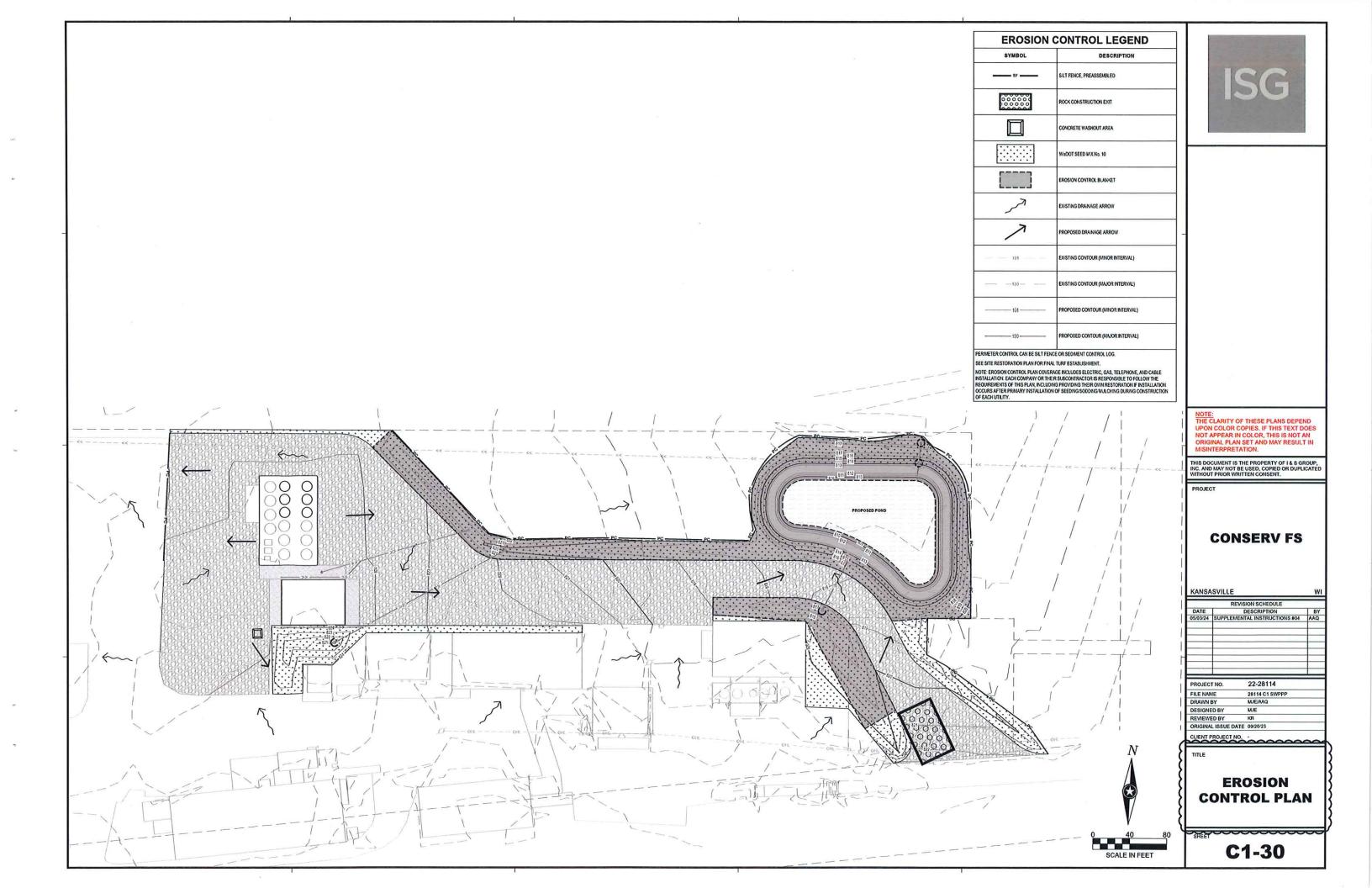
### **KEY NOTES**

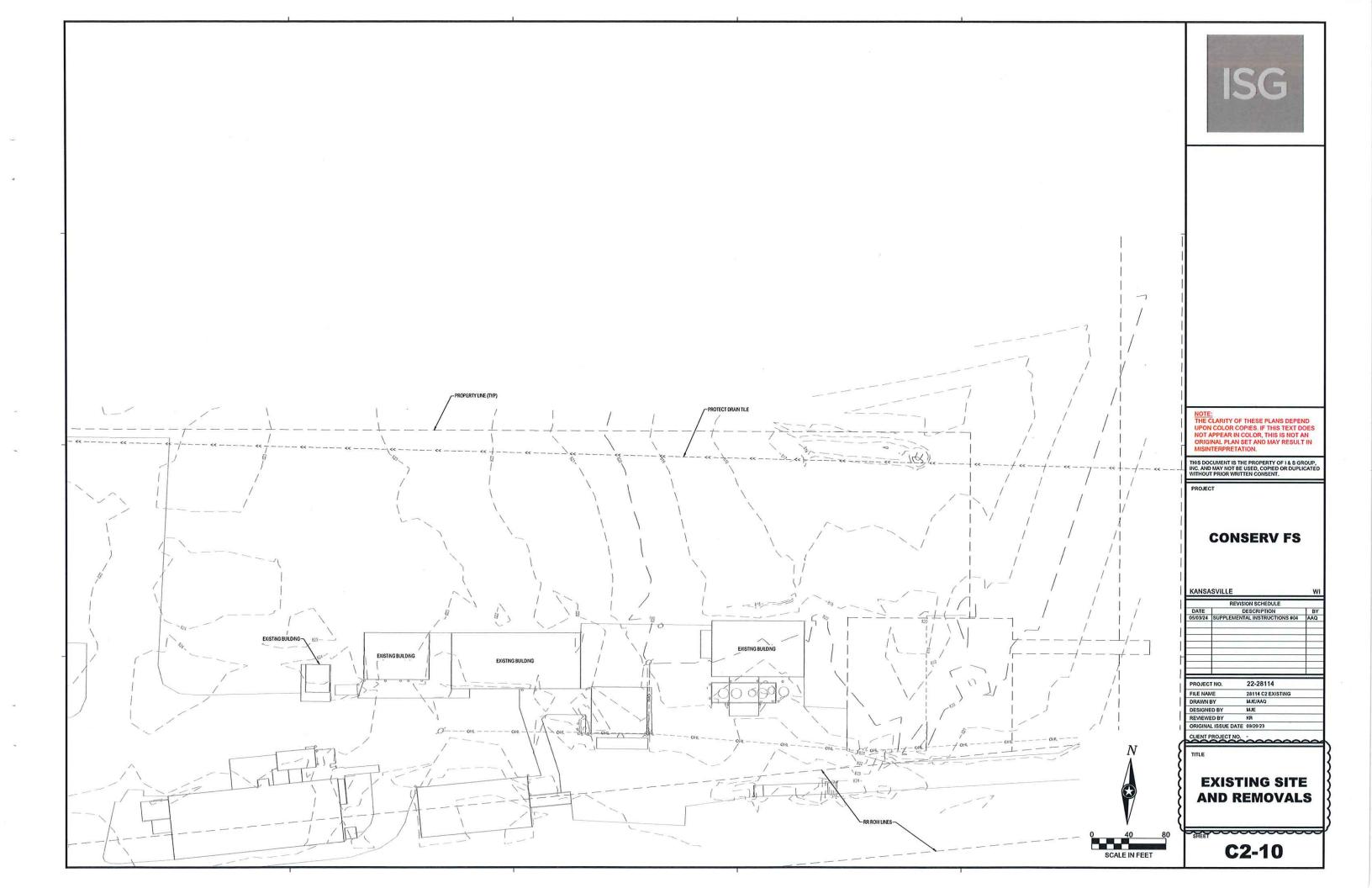
- ① BURY UPSTREAM END OF MAT IN A TRENCH 6" WIDE BY 6" DEEP AND STAPLED IN STAGGERED ROWS ACROSS THE WIDTH.
- FOR JOINING ENDS OF ROLLS, OVERLAP END OF UP SLOPE MAT A MINIMUM OF 6' OVER

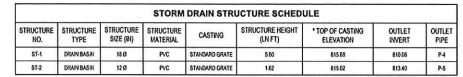
  3 DOWN SLOPE MAT (SHINGLE STYLE) USE A DOUBLE ROW OF STAGGERED STAPLES 4'
  APART.
- MATS ON SIDE SLOPES SHALL OVERLAP A MINIMUM OF 6" OVER THE WAT BELOW (SHINGLE STYLE). STAPLE OVERLAP AT 12" INTERVALS.
- THE OUTER EDGE ALONG SIDES OF THE MAT SHALL BE STAPLED EVERY 12".
- OOMNISTREAM (TERMINAL) END OF BLANKET SHALL BE STAPLED WITH A DOUBLE ROW OF STAGGERED STAPLES 12' APART.

- INSTALL EROSION WAT (EMAT) OVER WATERWAYS AS SHOWN IN THE EROSION CONTROL PLAN.
- 2. THE EMAT SHALL CONFORM TO WISDOT STANDARD SPECIFICATIONS SECTION 628.
- 3. PREPARE SOIL PRIOR TO INSTALLING EMAT, INCLUDING SEEDING AND FERTILIZING.
- THE ENAT SHALL BE PLACED IN FIRM CONTACT WITH THE SOIL AND NOT BE ALLOWED TO BRIDGE OVER SURFACE IRREGULARITIES. THE MAT SHALL NOT BE STRETCHED.
- 5. START LAYING THE MATS BY ROLLING CENTER MAT IN THE DIRECTION OF FLOW, CENTERED ON THE CENTERLINE OF WATERWAY. THERE SHALL NOT BE AN OVERLAP OF MATS AT THE CENTER OF THE WATERWAY.
- THE ENAT SHALL BE ANCHORED, OVERLAPPED, AND STAPLED ACCORDING TO MANUFACTURERS INSTRUCTIONS. IF NO MANUFACTURERS INSTRUCTIONS ARE AVAILABLE, INSTALL THE MAT AS FOLLOWS.
- STAPLES SHALL BE "U" SHAPED, 0.12" DIAMETER WIRE OR GREATER (#11 GAUGE). (SEE STAPLE DETAIL FOR DIMENSIONS)
- STAPLES ARE TO BE PLACED ALTERNATELY IN COLUMNS (IN THE DIRECTION OF THE WATERWAY) 2' APART AND IN ROWS (ACROSS THE WATERWAY) 3' APART THROUGHOUT THE AREA COVERED BY THE ECB.

**EROSION MAT INSTALLATION** 





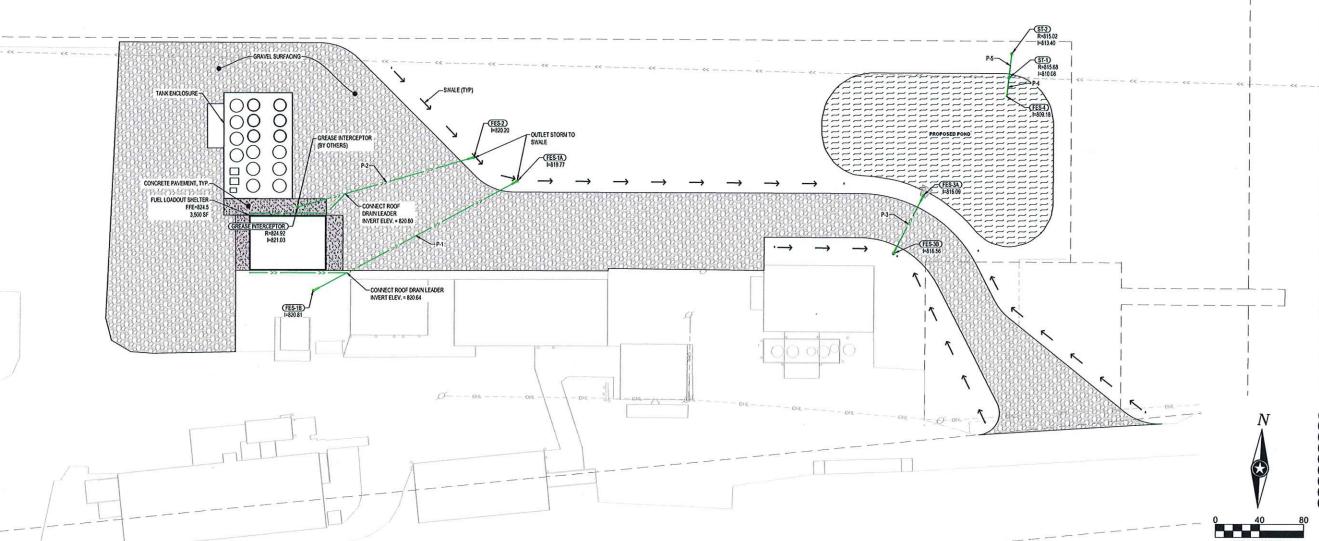


		ST	ORM	DRAIN PI	PE SCH	EDULE			
PIPE NO.	DRAIN FROM	INLET ELEVATION	DRAIN TO	OUTLET ELEVATION	PIPE SIZE (IN)	MATERIAL	PIPE CLASS	PIPE GRADE	PIPE LENGTH (FT)
P-1	FES-1B	820.81	FES-1A	819.77	12	RCP	v	0.49%	211
P-2	GREASE INTERCEPTOR	821.03	FES-2	820.20	12	RCP	v	0.50%	166
P-3	FES-38	816.56	FES-3A	816.09	12	RCP	v	0.78%	60
P-4	ST-1	810.18	FES-4	809.18	12	HDPE	DUAL WALL	5.78%	17
P-5	ST-2	813.50	ST-1	813.30	12	HDPE	DUAL WALL	0.92%	22

STORM DRAIN APRON SCHEDULE						
APRON NO.	APRON SIZE (IN)	APRON MATERIAL	INVERT ELEVATION	PIPE NO.		
FES-1A	12	RC	819.77	P-1		
FES-1B	12	RC	820.81	P-1		
FES-2	12	RC	820.20	P-2		
FES-3A	12	RC	816.09	P-3		
FES-38	12	RC	816.56	P-3		
FES-4	12	HDPE	809.18	P-4		

	PAVEME	NT LEGEND
E	SYMBOL	DESCRIPTION
). 1		CONCRETE PAVEMENT
1 2 3	102 (13.42) 10.42 (13.42)	AGGREGATE SURFACING





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PROJECT

**CONSERV FS** 

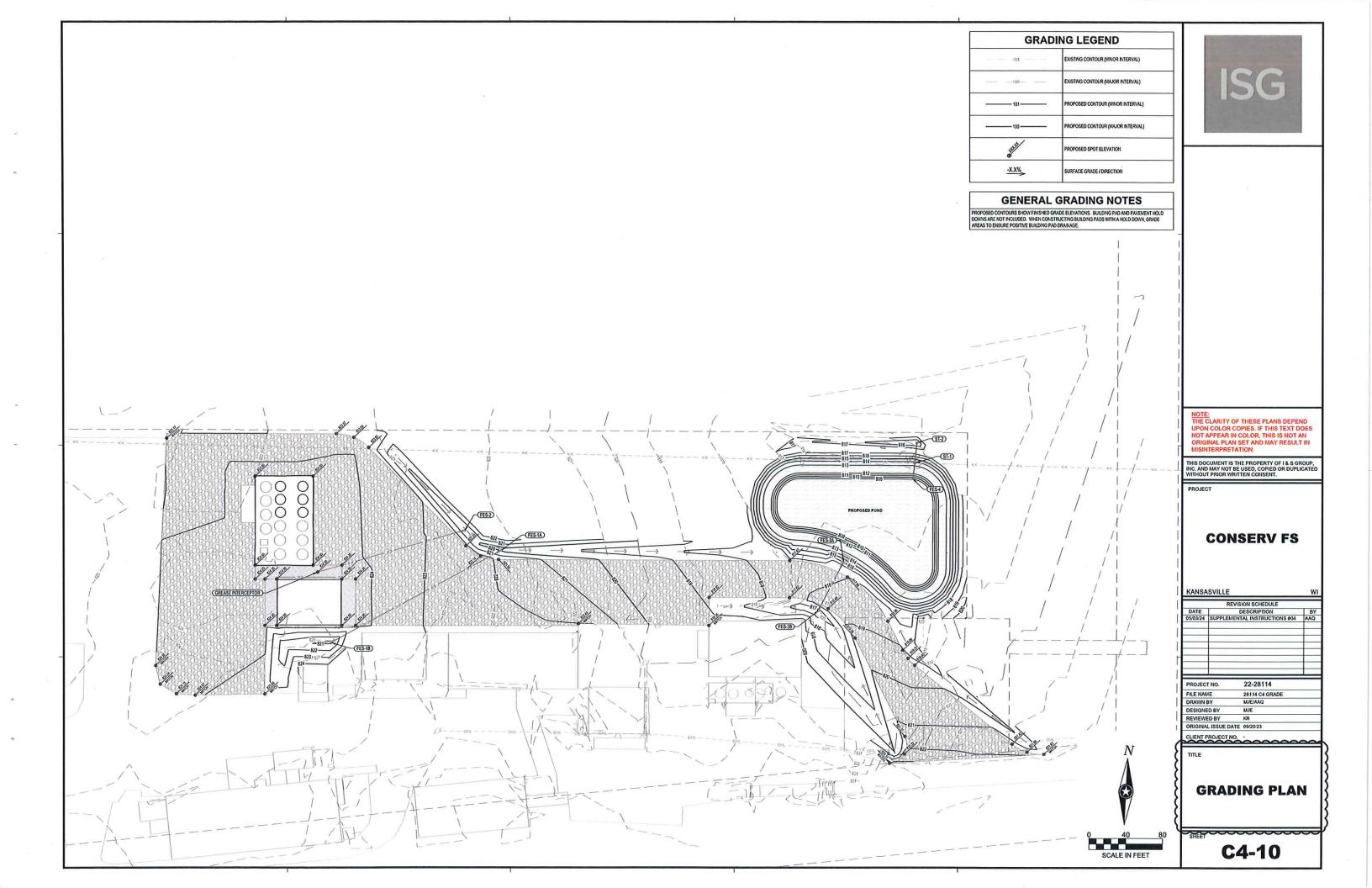
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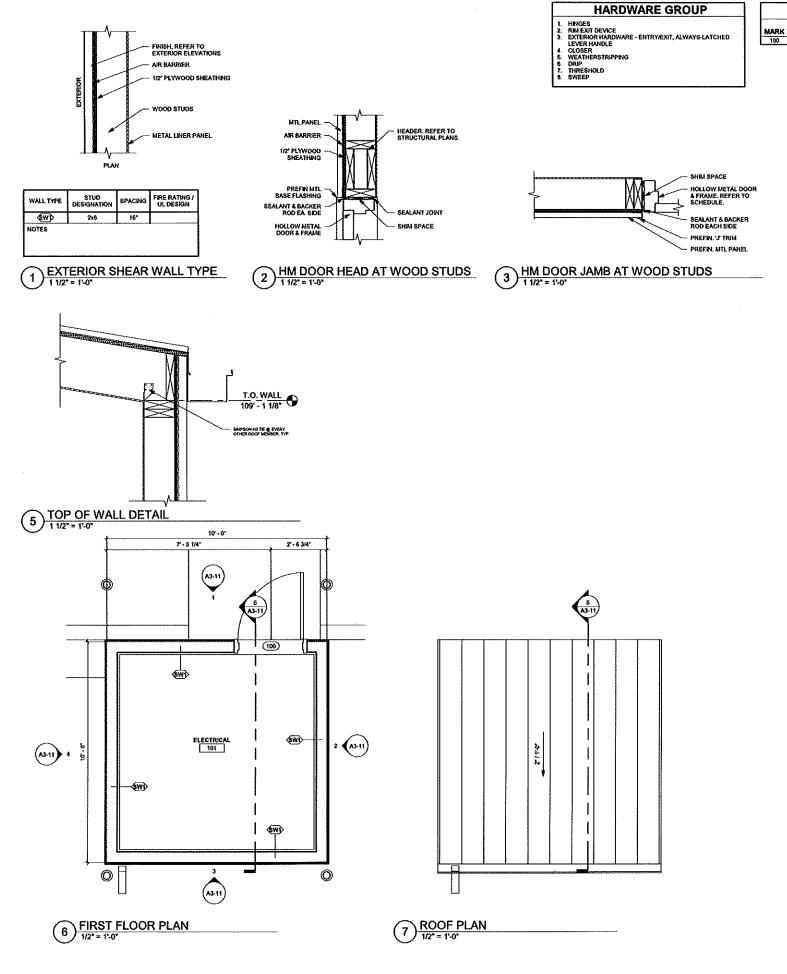
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SITE AND UTILITY PLAN

C3-10

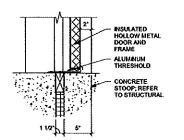




DOOR SCHEDULE

MARK ROOM NAME WIDTH HEIGHT TYPE DOOR MATERIAL TYPE FRAME MATERIAL GROUP COMMENTS

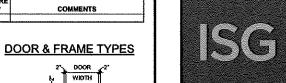
100 ELECTRICAL 3'-0' 7'-0' FL HOLLOW METAL 1 HOLLOW METAL 10



HM DOOR THRESHOLD

AT CONCRETE FLOOR

1 1/2" = 1'-0"





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PROJECT

CONSERV FS KANSASVILLE

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DESIGNED BY		KNM	•
DESIGNS			

FLOOR PLANS,
DOOR SCHEDULE,
DETAILS & WALL
TYPE

SHEET

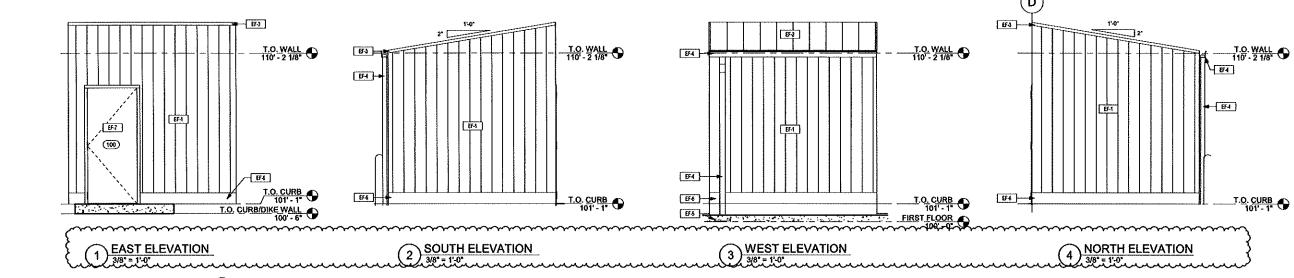
CLIENT PROJECT NO.

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MARK	MATERIAL TYPE	MANUFACTURER	MODEL / SIZE	COLOR	ADDITIONAL INFORMATION	COMMENTS
EF-1	METAL PANEL SIDING	METL-SPAN	PBD PANEL	AS SELECTED FROM MANF, STANDARD COLORS		
EF-2	STANDING SEAM METAL ROOF	METL-SPAN	PBD PANEL	AS SELECTED FROM MANF, STANDARD COLORS		
EF-3	PRE-FIN METAL TRIM			COLOR TO MATCH EF-1		
EF-4	PRE-FIN METAL GUTTER & DOWNSPOUT			COLOR TO MATCH EF-1		
EF-5	CONCRETE SPLASH BLOCK					
EF-6	CONCRETE CURB		T			Ţ
EF-7	HM DOOR & FRAME			COLOR TO MATCH		T







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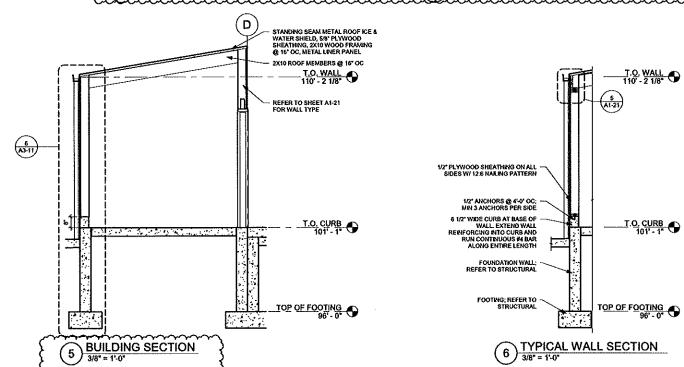
# CONSERV FS KANSASVILLE

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BUILDING
ELEVATIONS,
WALL & BUILDING
SECTION

SHEET

A3-11



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- NOTES AND DETAILS ON THE STRUCTURAL DRAWINGS TAKE PRECEDENCE OVER THESE STANDARD STRUCTURAL NOTES. TYPICAL DETAILS SHALL BE USED WHENEVER APPLICABLE.
- B. THE CONTRACTOR SHALL VERBY ALL DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS BEFORE STARTING WORK: AND THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED, BY VIRITING, OF ANY
- C. IN NO CASE SHALL DIMENSIONS BE SCALED FROM PLANS, SECTIONS, OR DETAILS ON THE STRUCTURAL DRAWINGS.
- THE CONTRACTOR SHALL DETERMINE THE LOCATION OF UTILITY SERVICES IN THE AREA TO BE EXCAVATED BEFORE BEGINNING EXCAVATION.
- E. NO PIPES, DUCTS, SLEEVES, CHASES, ETC., SHALL BE PLACED IN SLABS OR WALLS, NOR SHALL ANY STRUCTURAL MEMBER BE OUT FOR PIPES, DUCTS, ETC.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL TEMPORARY SHORING AND BRACING OF EXISTING STRUCTURAL ELEMENTS DURING CONSTRUCTION. ALL SHORING SHALL BE ADEQUATE TO SUPPORT ALL STRUCTURAL LOADS DURING THE REMOVAL OF THE EXISTING STRUCTURE. TEMPORARY SHORING MUST REMAIN IN PLACE UNITL ALL NEW STRUCTURAL ELEMENTS ARE SECURED INTO PLACE PER CONSTRUCTION DOCUMENT.
- G. REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR REQUIREMENTS, DIMENSIONS AND EXACT LOCATIONS OF FLOOR DRAWIS, TRENCHES, DRAW TILE, PUMPS AND ECUPPLET RECULDING ANCHORING SYSTEMS AND HOUSEKEEPING PADS. GENERAL CONTRACTOR TO COORDINATE ALL OF THESE ITEMS WITH ALL DISCIPLINES INVOLVED.

- ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF THE FOLLOWING CODES AND MANUALS (LATEST ADOPTED EDITION):

  1. STATE BUILDING CODE (MEN APPLICABLE):

  2. WITERNATIONAL BUILDING CODE (BC):

  3. AMERICAN CONCRETE RISTITUTE (CR.SI) MANUAL OF STANDARD PRACTICE (FOR DELENHORCHING AND DETAIL MEN OF ALL TRENDERCHING): PLACING AND DETAILING OF ALL REINFORCING
- AMERICAN NISTRUTE OF STEEL CONSTRUCTION (AISC).

  AMERICAN WELDING SOCIETY (AWS) STANDARDS FOR WELDING AS MODIFIED BY AISC

- SPECIFICATION.
  MASORRY STANDARDS JOST COMMITTEE (MSXC)
  AMERICAN FOREST & PAPER ASSOCIATION NATIONAL DESIGN SPECIFICATION (AF & PA NDS)

- A CODES USED:
  1. 2015 INTERNATIONAL BUILDING CODE
  2. 2010 AMERICAN SOCIETY OF CIVIL ENGINEERS STANDARD 7 (ASCE 7-10)
- B. RISK CATEGORY: II
- C. WIND LOAD CRITERIA

- WIND LOAD CRITERIA:

  1. ULTMATE WIND SPEED, V = 116 MPH (3 SECOND GUST)

  2. NOMINAL WIND SPEED, V = 90 MPH (3 SECOND GUST)

  3. WIND LOAD EXPOSURE:

  4. INTERNAL PRESSURE COEFFICIENT: +7-0.00 (OPEN BUILDING)

  5. WIND TOOPGRAPHIC FACTOR: (xy = 1.0)

  6. C & C WIND WALL PRESSURE: REFER TO COMPONENT AND CLADDING WIND PRESSURE TABLE

### D. SNOW LOAD CRITERIA

- GROUND SNOW LOAD,  $P_6 = 30 \text{ PSF}$ FLAT-ROOF SNOW LOAD (BALANCED),  $P_F = 25.2 \text{ PSF}$

- NOW LOAD IMPORTANCE FACTOR, Is ≈ 1.0 SLOPE FACTOR, Cs ≈ 1.0 THERMAL FACTOR, Cr ≈ 1.2 SNOW EXPOSURE FACTOR, Ct ≈ 1.0 UNBALANCED SNOW LOAD: ON PLAN IF APPLICABLE
- EARTHQUAKE LOAD CRITERIA
- SEISMIC IMPORTANCE FACTOR: Is = 1.0 MAPPED SPECTRAL RESPONSE ACCELERATIONS:

- 2. MAPPED SPECTRAL RESPONSE ACCELERATIONS:

   Si = 10% g

   Si = 5.1% g

   Si = 5.1% g

   SOIL SITE CLASS: D

   SPECTRAL RESPONSE COEFFICIENT:

   Soi = 0.107

   Soi = 0.032

   SEISMIC DESIGN CATEGORY = B

   SEISMIC OFFICE RESISTANCE

   FOR SEISMIC RESISTANCE.

   SEISMIC SPEROMER COEFFICIENT Commons.

- 7. SEISM CRESSIANCE.

  8. ELSPONSE MODIFICATION FACTOR, R = 3

  9. OVER-STERNOTH FACTOR, R = 3

  10. DESIGN BASE SHEAR, V = 0.036

  11. ANALYSIS PROCEDURE USED: EQUIVALENT LATERAL-FORCE ANALYSIS

### LIVE LOADS 1. ROOF: 20 PSF

- 1. ROUP: 20 FSF
  2. FLOOR IS 0PSF
  3. RAILING: 200 LBS AT ANY POINT OR 50 PLF, WHICHEVER PRODUCES MAXIMUM LOAD EFFECT
  3. RAILING: 200 LBS AT ANY POINT OR 50 PLF, WHICHEVER PRODUCES MAXIMUM LOAD EFFECT
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  9. RAILING: 200 LBS AT ANY POINT OR 50 PLF, WHICHEVER PRODUCES WHICH PRODUCES WHI

- G. DEAD LOADS
  1. ROOF: 10 PSF
  2. FRAMING: ACTUAL
  3. MISCELLANEOUS CERING: 6 PSF
  4. MECHANICAL: SEE PLAN

- A SUBMIT SHOP DRAWINGS AND CALCULATIONS FOR APPROVAL, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER RESPONSIBLE FOR ITS PREPARATION, WHO IS REGISTERED IN THE STATE WHICH THE PROJECT IS LOCATED.
- B. PRIOR TO SUBMITTAL, THE CONTRACTOR SHALL REVIEW THE SHOP DRAWINGS AND MAKE ANY CORRECTIONS REQUIRED. THE CONTRACTOR SHALL STAMP AND SIGN THE SHOP DRAWINGS PRIOR TO SUBMITTAL TO THE ENGINEER.
- C. THE ENGINEER'S REVIEW OF SHOP DRAWINGS IS FOR GENERAL CONFORMANCE OF THE DESIGN CONCEPT. CONTRACTOR SHALL SUBMIT A SCHEDULE OF SHOP DRAWING SUBMITTALS THAT IS ACCEPTABLE TO BOTH CONTRACTOR HAS REVIEWED THE SHOP DRAWINGS, PROMPT REVIEW BY THE ENGINEER WILL BE MADE OF ALL SUBMITTALS.
- D. FOR LARGE SUBMITTALS, REASONABLE REVIEW TIME SHALL BE ALLOWED AND MAY EXCEED TWO WEEKS. THE CONTRACTOR SHALL SUBMIT HECESSARY REQUEST FOR INFORMATION RIFIG DURING THE DETAILING PROCESS TO AVOID SUBMITTALS THAT ARE INCOMPLETE OR RECE SIGNIFICANT VERFICATIONS. THE CONCURRENT SUBMITTAL OF MULTIPLE SHOP DRAWINGS COUMPING) WILL FURTHER EXTEND THE REVIEW PROCESS AND TIME FRAME RECESSARY TO PROPERLY REVIEW FACH.
- UMLESS INDICATED OTHERWISE, THE GENERAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF THE FOLLOWING ITEMS FOR STRUCTURAL REVIEW. REFER TO SPECIFIC SECTION OF STRUCTURAL NOTES FOR ANY ADDITIONAL CRITERIA.
- FOR ANY AUDITIONAL CRITIEND

  1. CONCRETE MAY DESIGN.

  2. PRE-ENOWEERED METAL BUILDING DESIGN.

  3. ADDITIONAL STRUCTURAL SHOP DRAWINGS REQUESTED IN THE SPECIFICATIONS.
- F. A COPY OF ALL SHOP DRAWINGS SHALL BE MAINTAINED ON SITE AT ALL TIMES.
- G. SHOP DRAWINGS SHALL INCLUDE COMPLETE DETAIL SCHEDULES, PROCEDURES, AND DIAGRAMS FOR FABRICATION AND ASSEMBLY OF STRUCTURAL MEMBERS AND SUBMIT PRIOR TO FABRICATION.
- H ERECTION PLANS ARE THE RESPONSIBILITY OF THE FABRICATOR

- SON REARING DESIGN VALUE
- 1. 1500 PSF (PRESUMED).
   BEARING VALUE TO BE VERIFIED IN FIELD BY GEOTECHNICAL ENGINEER.
- B. PROTECT FOUNDATION EXCAVATIONS FROM FROST; DO NOT PLACE CONCRETE ON FROZEN GROUND.
- C. FOUNDATION EXCAVATIONS SHALL BE KEPT FREE OF LOOSE MATERIAL AND STANDING WATER AND SHALL BE CHECKED AND APPROVED BY THE ENGINEER BEFORE THE PLACEMENT OF ANY CONCRETE.
- D. DESIGN FROST PENETRATION DEPTH: 42 INCHES (HEATED) OR 60 INCHES (UNHEATED)
- E. MINIMUM OF 6" COMPACTED GRANULAR SUBGRADE BELOW SLABS.

### FOOTINGS AND FOUNDATIONS (CONTINUED)

MATERIAL COMPACTION CRITERIA				
LOCATION	MINMUM RELATIVE COMPACTION PERCENTAGE (ASTM D698 STANDARD PROCTOR DENSITY (SPD)			
1-0" BELOW FOUNDATION AND SLAB SUBGRADE ELEVATIONS	98%			
ABOVE BOTTOM OF FOUNDATIONS AND BELOW SLAB SUBGRADE ELEVATIONS	95%			
BELOW EXTERIOR SLAB, WITHIN 1'-0" OF SUBGRADE ELEVATIONS	98%			
BELOW EXTERIOR SLAB, MORE THAN 1'-0" BELOW SUBGRADE ELEVATIONS	95%			

### CONCRETE

A. CONCRETE SHALL BE STANDARD WEIGHT MIX UNLESS NOTED OTHERWISE AND MEET THE FOLLOWING CRITERIA:

LOCATIONS	fc @ 28 DAYS	AIR ENTRAINMENT	MAX. WATER/CEMENT RATIO
FOOTINGS / FOUNDATIONS	4000 PSI	6% ± 1.5%	0.50
FLOORS ON GRADE	4000 PSI		0.45
COLUMNS	4000 PSI		0.45
EXTERIOR SLABS ON GRADE	4500 PSI	6% ± 1.5%	0.45
EXPOSED EXTERIOR WALLS	4500 PSI	6% ± 1.5%	0.45

- B. CEMENT SHALL CONFORM TO ASTM C150, TYPE I/II OR ASTM C595 TYPE IL
- C. READY-MIX CONCRETE SHALL BE MIXED AND DELIVERED IN ACCORDANCE WITH ASTM C9.
- D. CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301 (LATEST EDITION) 'SPECIFICATION'S FOR STRUCTURAL CONCRETE FOR BUILDINGS', EXCEPT AS MODIFIED BY THESE NOTES.
- E. ADMIXTURES MAY BE USED WITH PRIOR APPROVAL OF THE ENGINEER. ADMIXTURES SHALL COMPLY WITH ASTM C49 AND BE OF A TYPE THAT INCREASES THE WORKABRITY OF THE CONCRETE, BUT SHALL NOT BE CONSDERED TO REDUCE THE SPECIFIED MINIMUM CEMENT CONTENT (CALCIUM CHLORIDE SHALL NOT BE USED).
- F. CONTRACTOR SHALL SUBMIT MIX DESIGNS FOR APPROVAL 10 DAYS PRIOR TO FABRICATION AND INSTALLATION. ALL CONCRETE MIXES SHALL BE DESIGNED AND CERTIFIED BY A MATERIALS TESTING
- G. PROJECTING CORNERS OF SLABS, BEAMS, WALLS, COLUMNS, ETC. SHALL BE FORMED WITH A 34° CHAMFER URLESS DETAILED OR NOTED OTHERWISE.
- H. PLACE VAPOR RETARDER OR VAPOR BARRIER DIRECTLY BELOW FLOOR SLAE
- L CONCRETE FLOOR SHALL BE CURED IN ACCORDANCE WITH ASTM C309. CONCRETE FLOOR SHALL BE PROTECTED FROM MOISTURE LOSS FOR A MINIMUM OF 14 DAYS, USING AN APPROVED SHEET MEMBRANE BY ACCORDANCE WITH C171.

- J. FLOOR FLATNESS AND LEVELNESS TOLERANCES:

  1. UNLESS NOTED OTHERWISE, FLOORS SHALL CONFORM TO THE FOLLOWING SURFACE PROFILE TOLERANCES:

  2. FLOOR FLATNESS NUMBER (Fr)

  3. SPECIFIED OVERALL VALUE = 20

  4. MINNIUM LOCAL VALUE = 15

  5. FLOOR LEVELNESS NUMBER (Fr)

  4. SPECIFIED OVERALL VALUE = 20

  5. MINNIUM LOCAL VALUE = 20

  6. MINNIUM LOCAL VALUE = 35

  7. FLOOR TOLERANCE (Fr AND Fr), MEASUREMENTS SHALL BE TESTED IN ACCORDANCE WITH ASTME 1155. ACTUAL OVERALL F-NUMBERS SHALL BE CALCULATED USING THE INFERROR / SUPERIOR AREA METHOD.
- ME HOU.

  CORRECT DEFECTIVE SLABS BY GRINDING OR REMOVING AND REPLACING DEFECTIVE WORK, REMEASURE CORRECTED AREAS BY THE SAME PROCESS.

- A ALL ANCHOR RODS SHALL BE SUPPLIED AND INSTALLED BY THE CONCRETE CONTRACTOR, UM.ESS NOTED OTHERWISE.
- B. ALL ANCHOR RODS SHALL BE ASTM F1554 GRADE 36 HEX-HEAD, UNLESS NOTED OTHERWISE. NUTS SHALL BE ASTM A563 GRADE A HEAVY HEX. OVER-SIZED PLATE WASHERS SHALL BE ASTM A36.
- C. ALL ANCHOR RODS SHALL BE SET WITH TEMPLATES.
- D. POST-INSTALLED ANCHORS SHALL BE ADHESIVE ANCHORING SYSTEM PROVIDED AND INSTALLED BY FRAMING CONTRACTOR. ADHESIVE ANCHORS SHALL BE "HE.TI HIT-1Y 200 ADHESIVE ANCHOR SYSTEM OR APPROVED ALTERIANTE. ANCHORS SHALL BE "HE.TI HAS-E" THREADED ROD CONFORMING TO ISO 88-1 CLASS 5.8 OR SHALL BE MADE FROM ALL-THEADED ROD CONFORMING TO ASTM A572 GRADE 60, OR APPROVED ALTERNATE, UNLESS NOTED OTHERVISE.

- A BAR REINFORCEMENT SHALL BE ASTM A615, GRADE 60.
- MINMUM DEVELOPMENT LENGTH OF REINFORCING BARS SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE.

	DEVELOPME	DEVELOPMENT LENGTH (Ld) FOR STRAIGHT BARS (MR). OF 12 INCHES) FOR 9							
CONCRETE STRENGTH	TENSION	CLASS A	TENSION CLASS B		COMPRESSION	HOOKED B			
fc IN PSI	#6 AND SMALLER	#7 TO #11	#6 & SMALLER	#7 TO #11	#18, #14, & #11 AND SMALLER	HOOK DEVELOPI LENGT			
3000	44 Db	55 Db	57 Db	71 Db	30 Db	22 Dt			
3500	41 Db	51 Db	53 Db	66 Db	30 Db	20 Dt			
4000	38 Db	47 Db	49 Db	62 Db	30 Db	19 Dt			
4500	36 Db	45 Db	47 Db	58 Db	30 Db	18 Dt			
5000	34 Db	42 Ob	44 Db	55 Db	30 Db	17 Dt			

- C. TYPICAL SPLICES: CLASS BIAS DEFINED IN ACI 318, UNLESS NOTED OTHERWISE
- D. ADJUSTMENT FACTORS FOR STRAIGHT BARS IN TENSION
- LIGHTWEIGHT CONCRETE = 1.3.

- EPOXY COATED = 1.2.

  EPOXY COATED WITH COVER LESS THAN 3DB OR CLEAR SPACING LESS THAN 5 DB = 1.5.

  HORIZONTAL "TOP" BARS WITH 12" OF CONCRETE CAST BELOW = 1.3

  EPOXY COATED HORIZONTAL "TOP" BARS WITH 12" OF CONCRETE CAST BELOW = NOT GREATER

  TABLE 2".

- THAN 17.

  E. ADJUSTMENT FACTORS FOR STRAIGHT HOOKS IN TENSION

  1. LIGHTWEIGHT CONCRETE = 1.3.

  2. EPOXY COATED = 1.2.

  FEMPLORENG STEEL SHALL BE PROVIDED WITH THE FOLLOWING AMOUNTS OF COVER FOR CAST-IN-PLACE CONCRETE UNLESS NOTED OTHERWISE:

MINIMUM CLEAR CONCRETE COVER FOR REINFORC	ING STEEL
CONCRETE ON SOIL (DIRECT CONTACT)	3-
SLAB ON GRADE	CENTERED
WALLS, STRUCTURAL SLABS EXPOSED TO SOIL OR WEATHER #6 TO #18 REBAR	2.
<b>#5 ANO SMALLER REBAR</b>	1 1/2*
WALLS, STRUCTURAL SLABS NOT EXPOSED TO EARTH OR WEATHER	
#11 AND SMALLER REBAR	3/4"
COLUMNS AND PIERS (COVER TO STIRRUPS AND TIES)	1 1/2"

- G. ALL REINFORCING STEEL, ANCHOR BOLTS, DOWELS, AND INSERTS SHALL BE SECURED IN POSITION WITH WIRE POSITIONERS, OR EQUAL, BEFORE PLACING CONCRETE OR GROUT.
- H. DOWELS BETWEEN FOOTINGS AND WALLS SHALL BE THE SAME GRADE, SIZE, AND SPACING AS VERTICAL WALL REINFORCING.
- CONTRACTOR SHALL SUBMIT REINFORCING STEEL SHOP DRAWINGS FOR APPROVAL A MINIMUM OF 10 DAYS PRIOR TO FABRICATION AND INSTALLATION.
- J. BARS TO BE WELDED SHALL BE ASTM A706, GRADE 60. WELDING OF REINFORCING BARS SHALL CONFORM TO AWS D1.4.

- A THE ENTIRE PRE-ENGINEERED METAL BUILDING SYSTEM SHALL BE DESIGNED BY THE METAL BUILDING MANUFACTURER IN CONFORMANCE TO THE PROVISIONS OF THE INTERNATIONAL BUILDING CODE AND THE METAL BUILDING SYSTEMS MANUAL AS PUBLISHED BY THE METAL BUILDING MANUFACTURER'S ASSOCIATION. WHERE THESE CRITERIA CONFLICT, THE MORE STRINGENT CRITERIA SHALL APPLY.
- B. IT IS THE PRE-ENGINEERED MANUFACTURER'S RESPONSIBILITY TO DESIGN THE COMPLETE BUILDING SYSTEM (STEEL FRAMING, ANCHOR BOLTS, COMPONENTS, ATTACHMENTS, ETC.) THE MANUFACTURER SHALL SUBMIT A CERTIFICATION LETTER BEARING THE SEAL OF A PROFESSIONAL ENGINEER STATING THAT THE BUILDING SYSTEM DESIGN MEETS THE RIDICATED CODE, PERFORMANCE AND LOADING REQUIREMENTS.
- C. THE PRE-ENGINEERED METAL BUILDING MANUFACTURER SHALL SE CERTIFIED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, CATEGORY MS. THE MANUFACTURER SHALL MEET THE EXCEPTION NOTED PER THE BIC WHICH SPECIFIES QUALITY CONTROL REQUIREMENTS OF THE MANUFACTURER PERTAINING TO SPECIAL INSPECTIONS.
- D. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF THE ENTIRE METAL BUILDING SYSTEM FOR REVIEW. THE CONTRACTOR SHALL ALSO SUBMIT A COMPLETE STRUCTURAL DESIGN ANALYSIS OF THE BUILDING SYSTEM FOR RECORD PURPOSES ONLY. THE SHOP DRAWING SUBMITTAL SHALL NICLUDE ALL ANCHOR BOLT REQUIREMENTS AND FOUNDATION REACTIONS. ALL SHOP DRAWINGS AND CALCULATION SUBMITTAL SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER
- E. DESIGN LOADS TO BE USED IN CONNECTION WITH THE METAL BUILDING DESIGN ARE PER THE DESIGN LOADS CRITERIA. IN ADDITION TO THE ACTUAL DEAD LOAD, AN ADDITIONAL COLLATERAL ROOF FRAMING DEAD LOAD OF 5 PS FALL BE INCLUDED. COORDINATE ANY EQUIPMENT LOADS WITH THE MECHANICAL, ELECTRICAL AND ARCHITECTURAL DRAYINGS. CALCULATIONS FOR FRAME DEFLECTIONS SHALL BE DONE USING ONLY THE BARE FRAME METHOD. REDUCTIONS BASED ON ENGINEERING JUDGMENT USING THE ASSUMED COMPOSITE STIFFIESS OF THE BUSING THE ASSUMED COMPOSITE STIFFIESS OF DIRTH SHALL FOLLOW MISCS "SERVICEABRITY DESIGN CONSIDERATIONS FOR LOW-RISE BUSINGS." CALCULATIONS SHALL BE SUBMITTED VERSYING THAT THE ACTUAL ORIFT UNDER CODE REQUIRED LOADINGS DOES NOT EXCEED THE
- G. THE PRE-ENGINEERED MANUFACTURER SHALL PROVIDE ALL GIRTS, PURLINS, FRAMES AND OTHER COMPONENTS REQUIRED FOR A COMPLETE SYSTEM. ALL WALL SYSTEMS, SUCH AS METAL STUDS, STOREFROMTS, ETC. SHALL BE PROPERLY SUPPORTED BY THE METAL BULDING SYSTEM. ALLOWABLE DEFLECTIONS OF COMPONENTS SHALL BE IN ACCORDANCE WITH THE IBC.
- H. THE FOUNDATION DESIGN IS BASED UPON THE PRE-ENGINEERED METAL BUILDING SYSTEM REACTIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ANY REVISIONS REQUIRED AS A RESULT OF CHANGE IN THE BUILDING MANUFACTURER, INCLUDING REDESIGN OF THE THE SIZE, NUMBER AND PLACEMENT PATTERN OF ALL ANCHOR BOLTS SHALL BE DETERMINED BY THE PRE-ENGINEERED BURDING MANUFACTUREN. ANCHOR BOLT EMBEDMENTS ARE INDICATED ON THE STRUCTURAL DRAWINGS AND DETALS.
- J. THE PRE-ENGINEERED METAL BUILDING SHALL BE DESIGNED BY THE MANUFACTURER TO RESIST LATERAL LOADS AS FOLLOWS:
- INTERIOR FRAME LINES: RIGID FRAMES (PINNED-BASED COLUMNS)
   PERIMETER WALL LINES: BRACED BAYS OR PORTAL FRAMES
- K. THE METAL BUILDING ERECTOR SHALL PROVIDE ALL TEMPORARY GUYING AND BRACING
- L UNLESS NOTED OTHERWISE OR SPECIFIED, ALL STEEL MEMBERS SHALL BE CLEANED AND PAINTED IN ACCORDANCE WITH THE MANUFACTURER'S STANDARD PROCEDURES.
- M. REFER TO THE ARCHITECTURAL PLANS AND SPECIFICATIONS FOR SPECIFIC DESIGN INFORMATION FOR ROOF PANELS, WALL PANELS, ROOF ENSULATION AND WALL INSULATION.

### A GENERAL

- GENERAL:

  1. ALL WOOD MEMBERS SHALL BE AS FOLLOWS (UNLESS APPROVED BY THE ENGINEER):

  a. STUDS SPRUCE PINE FIR (SPF) STUD GRADE OR SOUTHERN PINE STUD GRADE:

  b. HEADERSJJOISTS DOUGLAS FIRE, ARCH (DP-L) NO. 2 OR BETTER, HEM-FR NO. 2 OR BETTER,

  OR SOUTHERN PINE NO. 2 OR BETTER.

  ALL SHEATHING SHALL BE APA RATED SHEATHING.

  3. CUTTING, NOTCHING, OR DRALING OF BEAMS OR JOISTS SHALL BE PERMITTED ONLY AS DETALED OR APPROVED BY THE ENGINEER.

  4. ALL NALENG SHALL CONFORM TO THE NALING SCHEDULE GIVEN IN THE IBC, UNLESS NOTED OTHERWISE.

- OTHERWISE.

  ALL SALLS OR PLATES RESTING ON CONCRETE OR MASONRY, WHICH IS IN CONTACT WITH EARTH OR RESTING ON FOUNDATIONS, SHALL BE PRESSURE TREATED SOUTHERN PINE NO. 2.

  ALL MEMBER SIZES GIVEN ON DRAWINGS ARE NOMINAL DIMENSIONS.

  SPACING OF BRIDGING FOR JOISTS SHALL NOT EXCEED 8.

  WOOD LINTELS NICH HEADERS SHALL HAVE A FULL 3' LENGTH OF BEARING AT EACH END.

  DOUBLE ALL JOISTS UNDER PARALLEL PARTITIONS.

  ALL BEAMS AND JOISTS NOT BEARING ON SUPPORTING MEMBERS SHALL BE FRAMED WITH JOIST HANGERS.
- NAMERS.

  1. WOOD JOISTS SHALL BEAR THE FULL WIDTH OF SUPPORTING MEMBERS (STUD WALLS, BEAMS, ETC. UNLESS OTHERWISE NOTED).

  1. PRE-BORE NOLES FOR ALL FASTENERS GREATER THAN 1/4" Ø PER MANUFACTURER'S
- 13. GENERAL CONTRACTOR TO COORDINATE TRUSS AND FRANING LAYOUT WITH MECHANICAL ELECTRICAL AND PLUMBENG DOCUMENTS. NOTIFY ENGINEER MIMEDIATELY FOR ANY POTENTIAL HITERFERENCES BETWEEN STRUCTURE, PLUMBING, HVAC AND OTHER BULDING TRADES PRIOR

S4L PLATES

1. UNLESS NOTED OTHERWISE, S4L PLATES SHALL BE BOLTED TO FOUNDATION WALL WITH 1/2'0
G185 HOT-DIPPED GALVANIZED, TYPE 304 OR TYPE 316 STAINLESS BOLTS (TYPICAL FOR ALL
FASTENERS / CONNECTORS IN CONTACT WITH ACO TREATED LUMBER) AT 4-0' MAXIMUM O.C. BOLTS SHALL EXTEND 12" MINAMUM INTO FOUNDATION. EACH SILL PLATE TO HAVE A MINIMUM OF TWO BOLTS WITH ONE BOLT LOCATED WITHIN 12" OF EACH END OF EACH PIECE.

- MANUFACTURED WOOD TRUSSES

  1. WOOD TRUSS DESIGN SHALL BE DESIGNED IN ACCORDANCE WITH THE PROVISIONS OF THE IBC WOOD SECTION.

  2. LUNGEER FOR WOOD TRUSSES SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

- RECOMMENDATIONS.
  TRUSS, BRODGING, BRACING AND/OR BLOCKING, TO PREVENT ROTATION AND PROVIDE LATERAL STABILITY, SHALL BE SUBMITTED BY TRUSS MANUFACTURER FOR ENGINEERS REVIEW. LOCATIONS FOR LATERAL RESTRAINT SHALL BE IDENTIFIED ON THE TRUSS DESKIND DRAWINGS. NO CUTTING, NOTCHING, AND/OR FIELD MODE/SATIONS OR REPAIRS OF TRUSSES WITHOUT BROGNERS WITHOUT BROWNERS. WITHOUT BROWNERS WITHOUT BROWNERS WITHOUT BROWNERS WITHOUT BROWNERS WITHOUT BROWNERS WITHOUT BROWNERS. AND THE MANUFACTURER RECINIERS WITHOUT BROWNERS WITHOUT BROWNERS WITHOUT BROWNERS. AND THE MANUFACTURER RECINIERS WITH APPROVAL. DAMAGED TRUSSES, INCLUDING DAMAGED AND/OR LOOSE TRUSS METAL-PLATE-CONNECTORS, MAY MAY DET BE INSTO.
- MAY NOT BE USED.

  GABLE END TRUSS KNEE BRACING PER MANUFACTURER'S RECOMMENDATIONS.
  PROVIDE BALLOON-FRAMED GABLE END WALL FOR DIAPHRAGM FORCE TRANSFER AND TRUSS

- STABILITY

  9. TOTAL LOAD DEFLECTION LIMITATIONS:
  a. ROOF TRUSSES LESS THAN L/240.

  19. SUBMIT COMPLETE SHOP DRAWINGS FOR APPROVAL, SHOWING THE ERECTION PLAN, ALL BEARING CONDITIONS, AND CONNECTIONS. CALCULATIONS CERTIFIED BY A PROFESSIONAL ENONERS SHALL BE REQUIRED FOR ALL WOOD TRUSSES.

  11. WOOD TRUSS SUPPLIER SHALL DETAIL BEARING OF TRUSSES ON AS NOT TO EXCEED STRESS PERPENDICULAR TO GRAVE OF WOOD PLATES THAT SUPPORT THE TRUSSES.

  12. DESIGN OF BOTH TEMPORARY AND PERHANENT TRUSS MEMBER RESTRAINING FOR ALL TRUSSES WHICH CLEAR SPAN BO FEET OR REGATER SHALL BE PROVIDED BY TRUSS SUPPLIER.

  13. GENERAL CONTRACTOR TO COORDINATE TRUSS AND FRAMING LAYOUT WITH MECHANICAL ELECTRICAL AND PLUMBING DOCUMENTS. CONTRACTOR TO CACCUNIT FOR ALL POTENTIAL INTERFERENCES BETWEEN STRUCTURE AND PLUMBING, FIXTURES, ETC. PRIOR TO PABRICATION AND ERECTION. AND ERECTION.
- LAMMATED VENEER LUMBER (LVL):

  1. DESIGN STRESSES:
  a. E = 1,900,000 PSI
  b. F_b = 2,600 PSI
  c. F_T = 285 PSI
- LAMINATED STRANG LUMBER (LSL) 1. DESIGN STRESSES: a. E = 1,300,000 PSI b. F_b = 1,700 PSI c. F_c = 400 PSI
- PARALLEL STRAND LUMBER (PSL)
  1. DESIGN STRESSES: a. E = 2.000.000 PSI
- G. MULTIPLE MEMBER BEAMS SHALL BE ASSEMBLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, BUT NOT LESS THAN MAILING SPECIFIED IN DIMENSIONAL LUMBER SECTION OF THESE NOTES.

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**CONSERV FS** KANSASVILLE

KANSASVILLE

DESCRIPTION 12/05/23 SUPPLEMENTAL INSTRUCTIONS #02

WISCONS

RE NAME 28114 Arch R24.rvs ESIGNED BY REVIEWED BY DCM

RIGINAL ISSUE DATE 09/22/23

CLIENT PROJECT NO

TIFLE

**STRUCTURAL** NOTES

**S1-00** 

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### SPECIAL INSPECTIONS

- 1. SPECIAL INSPECTION PROGRAM SHALL CONFORM TO CHAPTER 17 OF THE IBC.
- THE OWNER SHALL EMPLOY A SPECIAL INSPECTOR TO PERFORM THE REQUIRED TESTS AND SPECIAL INSPECTIONS WITH QUALIFICATIONS DESCRIBED PER IBC CHAPTER 17 AND THE PROJECT SPECIFICATIONS.
- 3. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING INSPECTIONS AND TESTS. SUFFICIENT NOTICE AND LEAD THE MUST BE ALLOWED FOR THE INSPECTION AND TESTING TO BE PERFORMED WITHOUT IMPEDING CONSTRUCTION OPERATIONS.
- 4. SPECIAL INSPECTION REPORTS SHALL BE FURNISHED TO BUILDING OFFICIAL, OWNER, ARCHITECT, STRUCTURAL ENGINEER, AND CONTRACTOR.
- 5. WHEN DEFICIENCES ARE IDENTIFIED, THE CONTRACTOR MUST TAKE CORRECTIVE ACTIONS TO COMPLY WITH THE CONTRACT DOCUMENTS OR REMEDY THE DEFICIENCIES AS DIRECTED BY THE REGISTERED DESIGN PROFESSIONAL.
- 6. THE SPECIAL INSPECTION AND QUALITY ASSURANCE PROGRAM DOES NOT RELIEVE THE CONTRACTOR OF HIS OR HER RESPONSIBILITY TO PERFORM QUALITY CONTROL.
- 7. THE CONTRACTOR IS RESPONSIBLE FOR TESTING SERVICES THAT ARE REQUIRED FOR MATERIAL SUBMITTALS AND THAT ARE NOT PART OF THE SPECIAL INSPECTION PROGRAM (E.G. AGGREGATE TESTS, CONCRETE MIX DESIGNS, TESTING OF CONTROLLED FILL MATERIALS, ETC.).
- SPECIAL INSPECTOR SHALL SUBMIT A FINAL REPORT STATING THAT THE STRUCTURAL WORK
  WAS, TO THE BEST OF THE SPECIAL INSPECTOR'S KNOWLEDGE, PERFORMED IN ACCORDANCE
  WITH THE CONSTRUCTION DOCUMENTS.

### FABRICATED ITEMS (IBC 1704.2)

### SPECIAL INSPECTION TYPE: FABRICATOR APPROVAL

SPECIAL INSPECTION IS NOT REQUIRED WHERE THE WORK IS DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM WORK WITHOUT SPECIAL INSPECTION PROVIDED THE FABRICATOR COMPLES WITH BC.

### CAST-IN-PLACE CONCRETE (IBC 1705.3)

	<u> </u>
SPECIAL INSPECTION TYPE	FREQUENCY
INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERBY PLACEMENT.	PERIODIC
REINFORCING BAR WELDING:	
VERIFY WELDABAITY OF REINFORCING BARS OTHER THAN ASTM A705.	PERIODIC
INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16".	PERIODIC
INSPECT ALL OTHER WELDS.	CONTINUOUS
INSPECT ANCHORS CAST IN CONCRETE.	PERIODIC
INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.	
ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	CONTINUOUS
MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED ABOVE.	PERIODIC
VERIFY USE OF REQUIRED DESIGN MIX.	PERIODIC
INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	CONTINUOUS
VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	PERIODIC
INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	PERIODIC
FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	CONTINUOUS AT TAKE OF TESTING
SAMPLE FOR STRENGTH TESTS OF EACH CLASS OF CONCRETE PLACED EACH DAY SHALL BE TAKEN NOT LESS THAN ONCE A DAY, NOR LESS THAN ONCE FOR EACH 150 CUBIC YARDS OF CONCRETE, NOR LESS THAN ONCE FOR EACH 5,000 SQUARE FEET OF SURFACE AREA FOR SLASS OR WALLS. A MINAHUM OF FIVE STRENGTH TESTS SHOULD BE MADE FOR A GIVEN PROJECT.	

### SOILS (IBC 1705.6)

SPECIAL INSPECTION TYPE	FREQUENCY
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	PERIODIC
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	PERIODIC
PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS	PERIODIC
VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESS DURBIG PLACEMENT AND COMPACTION OF COMPACTED FILL	CONTINUOUS
PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	PERIODIC

### SPECIAL INSPECTIONS FOR WIND RESISTANCE (IBC 1705.11)

SPECIAL INSPECTION TYPE	FREQUENCY	
WIND-RESISTING COMPONENTS:		
INSPECT FASTENING OF THE ROOF COVERING, ROOF DECK, AND ROOF FRAMING CONNECTIONS.	PERIODIC	
INSPECT FASTENING OF THE EXTERIOR WALL COVERING AND WALL CONNECTIONS TO ROOF AND FLOOR DIAPHRAGMS AND FRAMING.	PERIODIC	

### WOOD (IBC 1705.5)

SPECIAL INSPECTION TYPE	FREQUENCY
HIGH LOAD DIAPHRAGMS: INSPECT THE WOOD STRUCTURAL PANEL SHEATHING TO ASCERTAN WHETHER IT IS OF THE GRADE AND THICKNESS SHOWN ON THE APPROVED CONSTRUCTION DOCUMENTS. VERIEY THE NOMINAL SIZE OF FRAMING MEMBERS AT ADJOINING PANEL EDGES, THE NAM OR STAPLE DIAMETER AND LENGTH, THE HUMBER OF FASTENER LINES AND THAT THE SPACING BETWEEN FASTENERS IN EACH LINE AND AT EDGE MARGINS AGREES WITH THE APPROVED CONSTRUCTION DOCUMENTS.	CONTINUOUS
METAL PLATE CONNECTED WOOD TRUSSES WITH OVERALL HEIGHTS OF 60 BICHES OR GREATER: VERIFY THAT THE INSTALLATION OF THE PERMANENT NOWIDUAL TRUSS MEMBER RESTRAININGARCHO HAS BEEN INSTALLED A COORDANCE WITH THE APPROVED TR	CONTINUOUS
METAL PLATE CONNECTED WOOD TRUSSES WITH A CLEAR SPAN OF 69 FEET OR GREATER: VERBY DURING CONSTRUCTION THAT THE TEMPORARY INSTALLATION RESTRAINT/BRACING IS INSTALLED IN ACCORDANCE WITH THE APPROVED TRUSS SUBJUITTAL PACKAGE.	CONTINUOUS



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PROJECT

# CONSERV FS KANSASVILLE

REVISION SCHEDULE

DATE DESCRIPTION BY
1205/23 SUPPLEMENTAL INSTRUCTIONS #02 KHM

PROJECT NO. 23-28114

FRE NAME 28114 Arch R24 art

DRAWN BY KNM

DESIGNED BY OA

REVIEWED BY DCM

ORIGINAL ISSUE DATE 09/22/23

TITLE

CLIENT PROJECT NO.

SPECIAL INSPECTIONS (PER IBC 2015)

SHEET

**S1-01** 

MARK	WIDTH	REINFORCEMENT	COMMENTS
EQN1	L & & .	#5 BARS @ 12" OCEW	
FDN3	0'-8'	#5 BARS @ 18" OCEW	1

			FOC	TING SCHEDULE	
MARK	LENGTH	WIDTH	THICKNESS	REINFORCEMENT	COMMENTS
F1		2'-0"	1" - 0"	(2) #5 BARS LONGITUD/NAL	
F2	5'-0"	5'-0'	1'-0'	#5 BARS @ 12" OCEW TOP AND BOTTOM	
F3	6' - 0'	6'-0"	1'-0"	#5 BARS @ 12" OCEW TOP AND BOTTOM	
F4	~~~	10.0	1,-0,	#6 BARS @ 12" OC LONGITUDINAL AND #6 BARS @ COC TRANSVERSE	

		SLAB SCHEDULE	
MARK	THICKNESS	REINFORCEMENT	COMMENTS
SL1	18*	#6 BARS @ 6" OCEW BOTTOM & #6 BARS @ 12" OCEW TOP	
SL2	6*	#8 BARS @ 10" OCEW	
-SI3	مخمم	~~~~ #5.84B&@-{22-QCFV/~~~~~	`
SL4	12	#5 BARS TOP AND BOTTOM OCEW	7
SL5	8"	#6 BARS @ 12" OCEW	
SL6	12"	#6 BARS @ 6" OCEW BOTTOM & #6 BARS @	7
A.SL7	myen	12' OCEW TOP #5 BARS @ 12' OCEW WHAT DOWELS	

MARK	LENGTH	MIDTH	THICKNESS	REINFORCEMENT	COMMENTS
F1		2'-0"	1" - 0"	(2) #5 BARS LONGITUD:NAL	
F2	5'-0"	5'-0'	1'-0'	#5 BARS @ 12" OCEW TOP AND BOTTOM	
F3	6'-0'	6'-0"	1" - 0"	#5 BARS @ 12" OCEW TOP AND BOTTOM	
F4		10' - 0"	1*-0*	#6 BARS @ 12" OC LONGITUDINAL AND #6	
$\sim\sim$	$\sim\sim\sim$	$-\sim$	-	~~~PARS-62-57 OG JRAU-SVERSE~~~~	

		PIER A	ND PILASTER SCHE	ULE
MARK	LENGTH	WIDTH	REINFORCEMENT	COMMENTS
P1	2"-2"	2'-2'	(8) #6 BARS VERTICAL W/#4 TIES @ 12' OC AND (3) IN THE TOP 12'	

		HEAD	ER	SCHEDULE
		STI	UD\$	
MARK	MEMBER TYPES	JACK	KING	COMMENTS
H1	(2) 2x8	1	1	

E	SHEAR WALL SCHE	
	RK DESCRIPTION	MARK
6 NAIL PATTERN	VI 1/2" PLYWOOD SHEATHING @ ALL SIDES	SW1
6 NAIL P	VI [1/2" PLYWOOD SHEATHING @ ALL SIDES	SW1

BASE PLATE LEGEND

Ø-141/

NOTE:

1. BASE PLATES ARE SHOWN FOR REFERENCE ONLY, VERIFY WITH PEMB SUPPLIER

BP2

- 1º STEEL BASE PLATE

- (4) 3/4" DIA ASTIM F1554 ANCHOR
BOLTS WITH NUT

- 12' EMBED

- 5° PROJECTION

- SET BASEPLATE ON 1 1/2" NONSHRINK GROUT

- PL1/4/x2/2 PLATE WASHERS

EQ EQ

\$ 7 1/2°

1' - 9'

EQ EQ

### **CONSERV FS KANSASVILLE**

WISCONSIN REVISION SCHEDULE BP1

11 STEEL BASE PLATE

(4) 34" DIA ASTM F1554 ANCHOR BOLTS WITH NUT

12' EMBED

5 "PROJECTION

SET BASEPLATE ON 1 1/2" NON-SHRRK GROUT

PL1/4/2/22 PLATE WASHERS PROJECT NO. 23-28114 FRE NAME

DESIGNED BY OA DCM REVIEWED BY ORIGINAL ISSUE DATE 09/22/23

CLIENT PROJECT NO.

TITLE

**STRUCTURAL SCHEDULES** 

**\$1-05** 

CONTROL JOINT PLACEMENT GUIDELINES

- SPACE JOSTIS (IN FEET) NO MORE THEAD

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  SLAB THICKNESS (IN INCHES). FOR EXAMPLE, A4" SLAB

  SHOULD HAVE JOINTS 6" TO 12 APART.

  CUT JORNES 25% OF THE DEPTH OF SLAB, MIN.

  CUT JORNES 25% OF THE DEPTH OF SLAB, MIN.

  CUT JORNES USING GROOVING TOOLS IN FRESH CONCRETE

  OR SAW CUTTING JOINTS AS SOON AS THE CONCRETE IS

  HAND ENOUGH THAT THE EDGES ABUTTING THE CUT

  DON'T CHIP FROM THE SAW BLADE.

  IN HOT WEATHER, CONCRETE MIGHT CRACK # JOINTS ARE

  HOT CUT WITHIN 6"12 HOURS AFTER FINISHING CONCRETE.

  PLAN ALTERIATE JORIT CUTTING EQUIPMENT

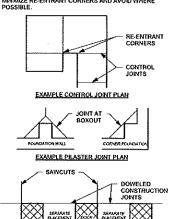
  ACCORDINGLY.

  WHERE POSSIBLE, PLACE JOINTS UNDER PROPOSED NONLOAD-BEARRING WALL LOCATIONS OR UNDER CARPET

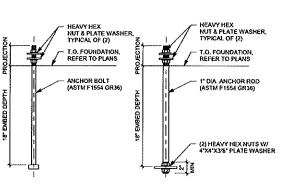
  AREAS.

  MINIMIZE RE-ENTRANT CORNERS AND AVOID WHERE

  POSSIBLE.



EXAMPLE MULTIPLE DOCK LEVELER JOINT PLAN



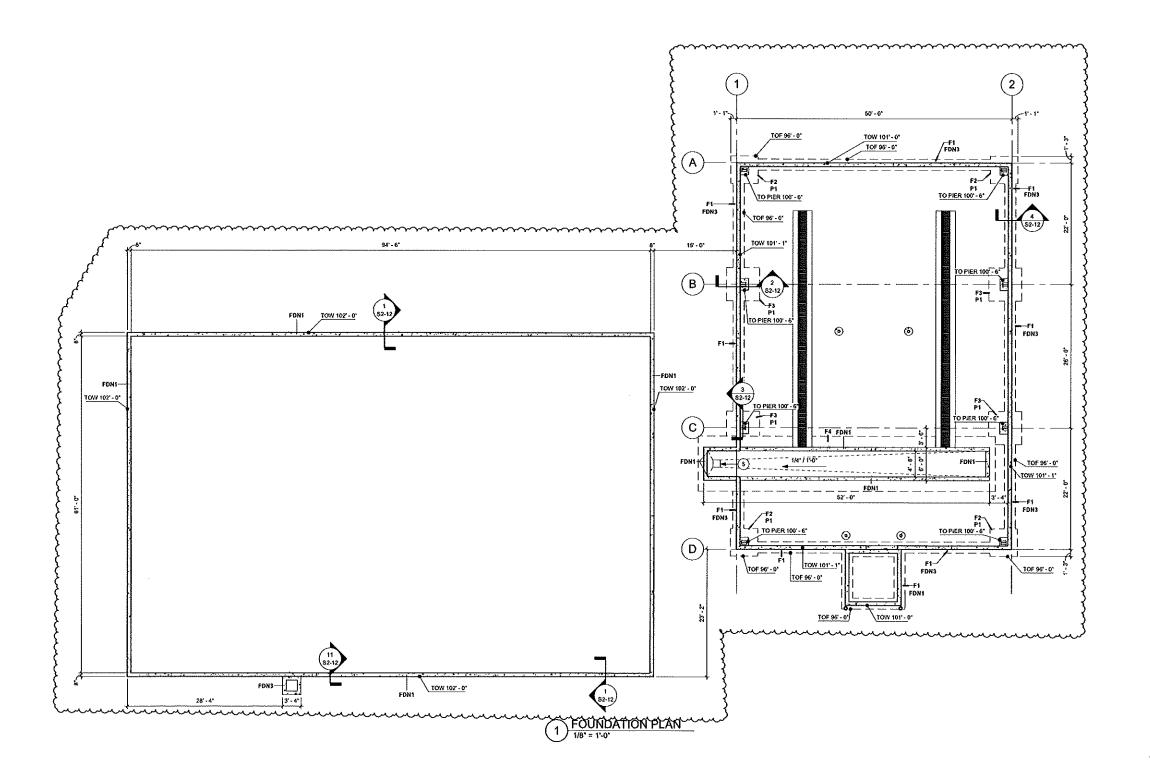
HEADED ANCHOR BOLT ANCHOR ROD W/ PLATE WASHER

1 ANCHOR BOLT DETAIL
1 1/2" = 1'-0"

KEYNOTE LEGEND

5 |SUMP PIT.





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PROJE

# CONSERV FS KANSASVILLE

	KANSA	SVILLE	WISCONSIN				
	REVISION SCHEDULE						
	DATE	T	ESCRIPTION		BY		
1	10/19/23 SUPPLEMENTAL INSTRUCTIONS #01				KNM		
1	12/05/23	SUPPLEMENT	AL INSTRUCTIO	XNS #02	KNM		
1	12/27/23	SUPPLEMENT	TAL INSTRUCTIO	XVS #03	KNM		
1	05/03/24	SUPPLEMENT	IAL INSTRUCTIO	XV #04	DRP		
1					1		
1							
7							
					1		
	PROJECT NO. FRE NAME		23-28114				
			28114 Arch R24.rvt				
	DRAWN	BY	KNM				
	DESIGNED BY REVIEWED BY		QA	•			
			DCM				
	ORIGINA	L ISSUE DATE	09/22/23				
	CLIENT F	ROJECT NO.					

711

FOUNDATION PLAN

N

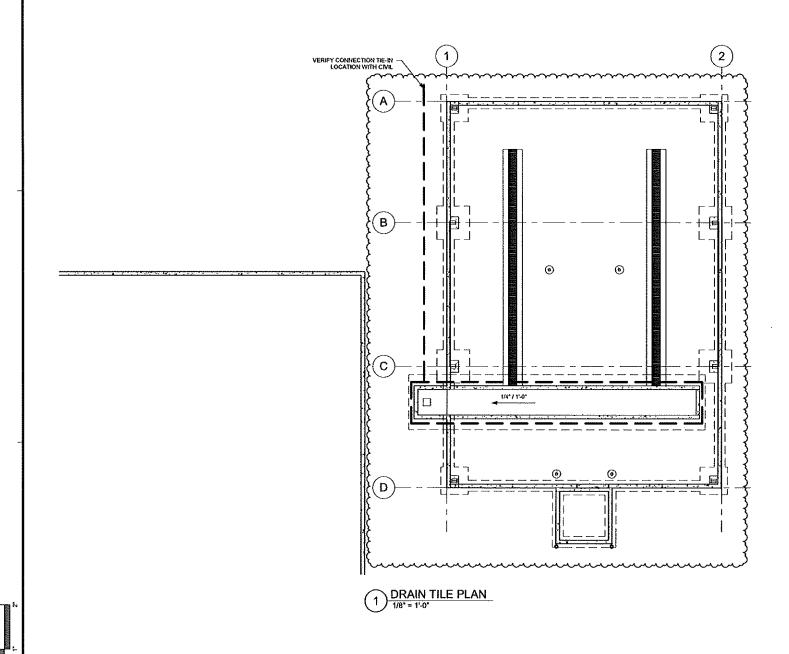
SHEET

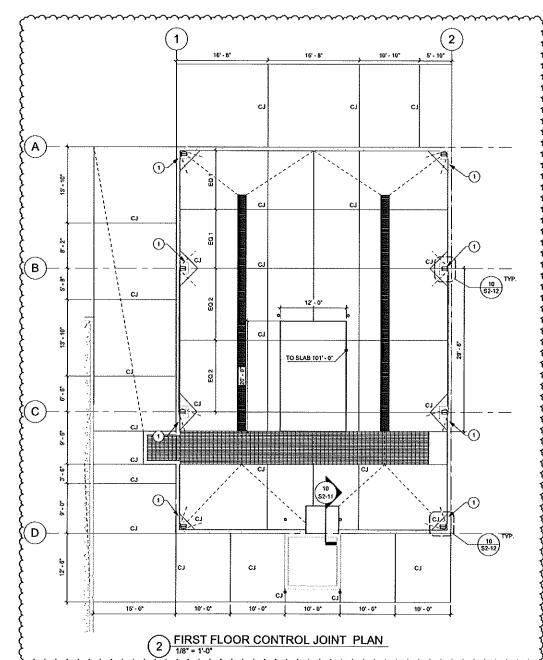
**S1-11** 

KEYNOTE LEGEND

[HP1: #5 HAIRPIN W/ 4' - 0' LEGS







### **CONSERV FS KANSASVILLE**

	REV	SION SCHEDULE		
DATE		DESCRIPTION		BY
05/03/24	SUPPLEMEN	TAL INSTRUCTION	1#04	DRP
		22.20144		
PROJECT NO.  FILE NAME  DRAWN BY  DESIGNED BY		23-28114		
		28114 Arch R24.r	vt	
		KNM		
		OA .		
REVIEW	ED BY	DCM		
		09/22/23		

**DRAIN TILE & CONTROL JOINT** PLAN



**S1-21** 

