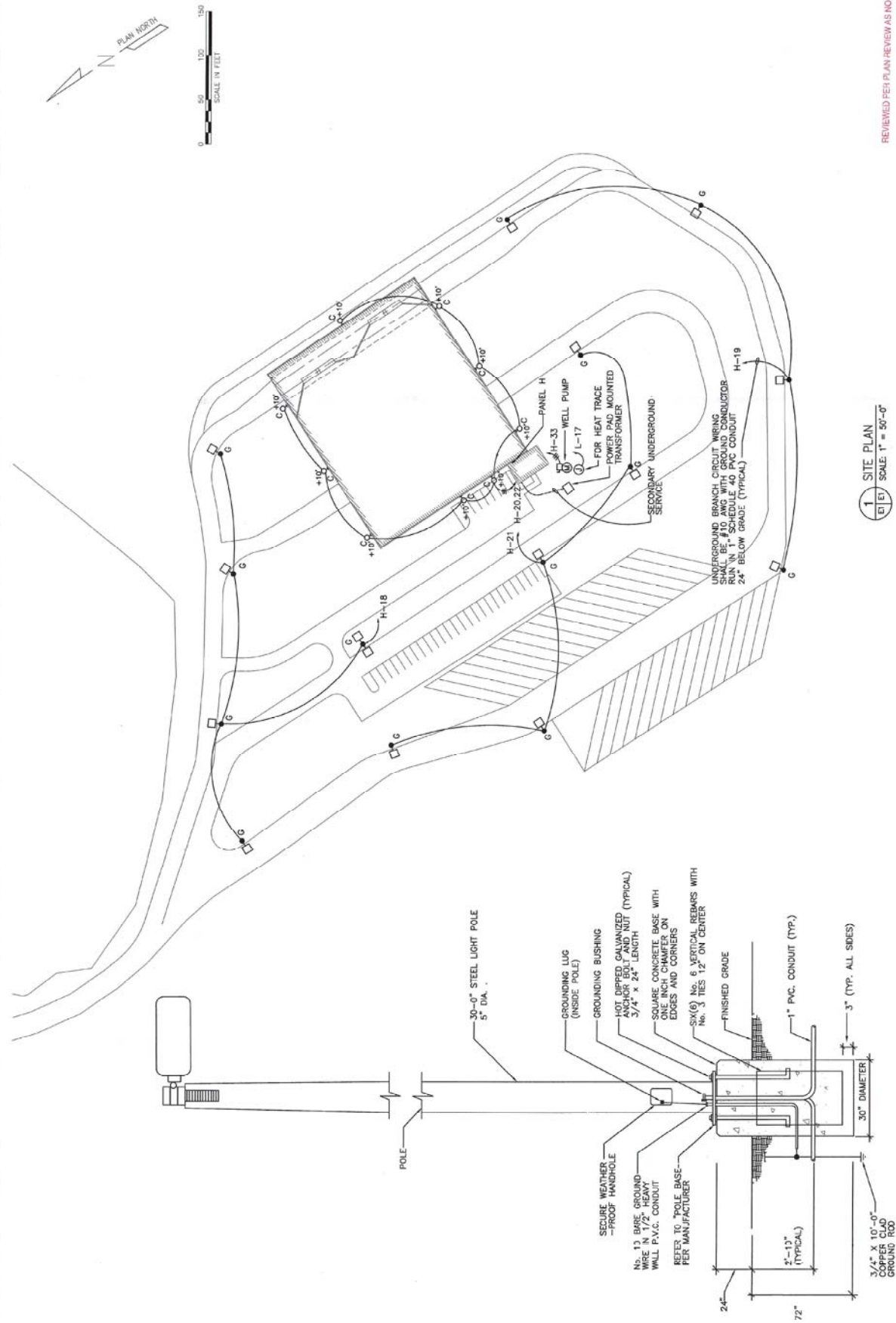
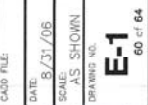
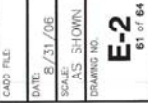






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PROJECT TITLE
SOLID WASTE TRANSFER STATION
AND PROCESSING FACILITY

FREDERICK COUNTY
DEPARTMENT OF UTILITIES
AND SOLID WASTE MANAGEMENT
12 EAST CHURCH STREET
FREDERICK, MARYLAND 21701

SCS ENGINEERS
STEARNS, CONRAD AND SCHMIDT
CONSULTING ENGINEERS, INC.
11260 ROGER WALKER DRIVE • WESTON, VA 20190
PH. (703) 471-6100 FAX. (703) 471-6676

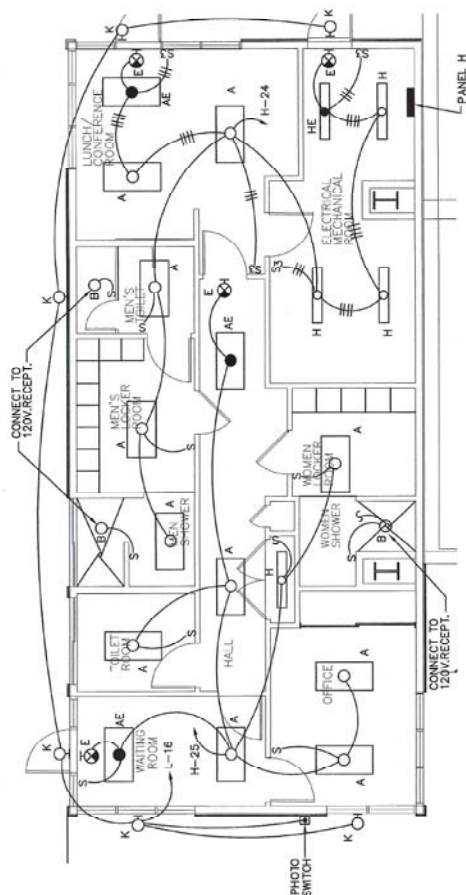
DATE: 8/31/06
SCALE: AS SHOWN
DRAWING NO.

E-3
62 of 64

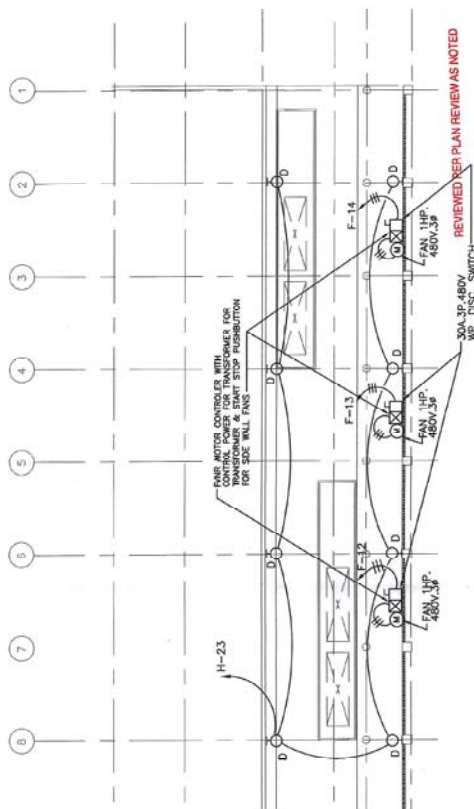
1 COORDINATE DEVICE QUANTITIES AND LOCATIONS WITH FIRE PROTECTION LAYOUT. REFER TO FP1.

LIGHTING FIXTURE SCHEDULE									
FXT. TYPE	MANUFACTURER	CATALOG NO.	MOUNTING		LAMP	PER FIXTURE	REMARKS	VOLTAGE	
			SURF.	REC. IN.					DESCRIPTION
A	WILLIAMS	500-S24-332-SA12125-EB5-277	X	X	3	F32T8	ELECTRONIC BALLAST	277V.	
A	WILLIAMS	500-S24-332-SA12125-EM7-EB3-277	X	X	3	F32T8	ELECTRONIC BALLAST & EMERG. BATT	277V.	
B	JUNO	T2-120/241-FW			1	100W A-19	SHOWER LIGHT	120V.	
C	GE LIGHTING SYSTEMS	COM250MOA8BLCHDX	WALL	X	1	250W. MH	ELECTRONIC BALLAST	277V.	
D	GE LIGHTING SYSTEMS	WYMT47HOH5H40B3			1	175W MH	INDUSTRIAL WALL FIXTURE	277V.	
E	LITHONIA	LP1P12C70/277ELN	X		1	3W LED	EDGE UT EXIT LIGHT	120/277V	
F	GE LIGHTING SYSTEMS	OC5G40MOA42ED	X		1	40W MH	ELECTRONIC BALLAST	120/277V	
G	GE LIGHTING SYSTEMS	OC5G40MOA42GBL	X		1	40W MH	ELECTRONIC BALLAST	120/277V	
H	GE LIGHTING SYSTEMS	POLE ARSS305D1150BL			1	30" HIGH POLE	STRIPE LIGHT	277V.	
H	LITHONIA	S-140-277-GE8			1	40W/T12	STRIPE LIGHT	277V.	
H	LITHONIA	S-140-277-GE8-EL			1	40W/T12	STRIPE LIGHT	277V.	
K	HUBBELL	NRG-304	WALL		1	42W FLUOR.	ELECTRONIC BALLAST	120V.	

LIGHTING FIXTURE SCHEDULE

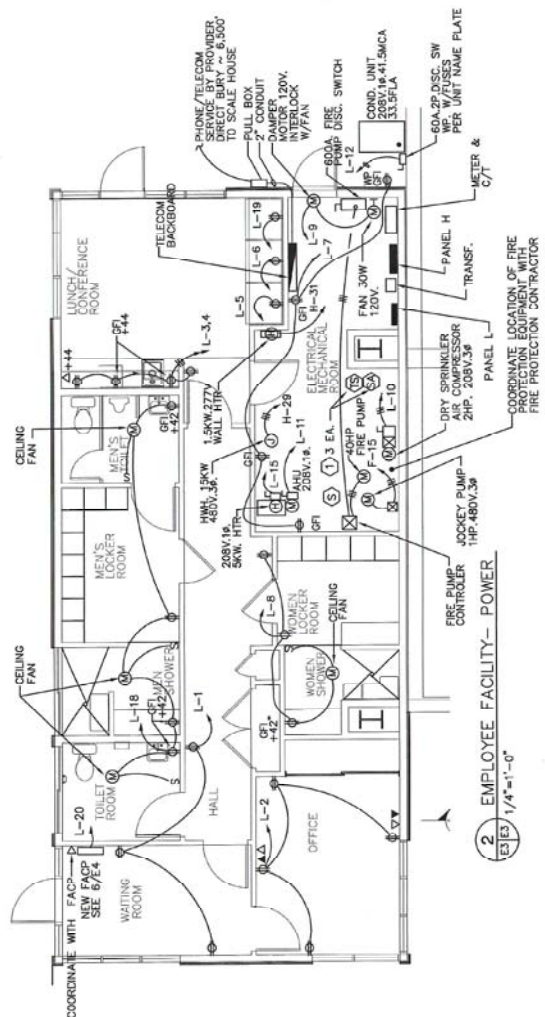


1	EMPLOYEE FACILITY— LIGHTING
E3 E3	1/4"=1'-0"



3 TUNNEL PLAN
E3 E3
1/16"=1'-0"

THE MECHANICAL, PLUMBING,
AND ELECTRICAL CODES HAVE NOT
BEEN EVALUATED FOR COMPLIANCE
WITHIN THESE DOCUMENTS.



2 EMPLOYEE FACILITY- POWER
E3 E3 1/4"=1'-0"

ELECTRICAL ABBREVIATIONS	
ABBREVIATION	DESCRIPTION
A	AMPERE
A.F.	ABOVE FINISHED FLOOR
A.I.C.	ASYMMETRICAL INTERRUPT CURRENT
C	CONDUIT
C/B	CIRCUIT BREAKER
DED	DEDICATED
EC	EMPTY CONDUIT
E.G.	EQUIPMENT GROUND
E.A.T.	ELECTRICAL METAL TUBE
FAP	FIRE ALARM ANNUNCIATOR PANEL
FIR	FLOOR
GR	GROUND
H2	GROUND FAULT INTERRUPT
IG	ISOLATED GROUND
J. BOX	JUNCTION BOX
K	THOUSAND
KW	KILOWATT
LFNC	LIQUIDTIGHT FLEX METALIC CONDUIT
M.L.O.	MAIN LUGS ONLY
M.C.B.	MAIN CIRCUIT BREAKER
N.E.C.	NATIONAL ELECTRICAL CODE
N.C.	NOT IN CONTRACT
P	POLES
PHL	PANEL
RECP	RECEPTACLE
SC	SOLID RECTANGULAR
UN	UNLESS OTHERWISE NOTED
V	VOLTS
W	WATTS
WP	WEATHERPROOF
Ø	Ø

GENERAL ELECTRICAL NOTES:

- ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) AND ALL OTHER APPLICABLE ELECTRICAL CODES AND BUILDING STANDARDS, UNLESS DRAWING AND/OR SPECIFICATIONS INDICATE WORK OVER AND ABOVE CODE REQUIREMENTS. FURNISH ALL MATERIALS AND LABOR NECESSARY FOR THE COMPLETION OF WORK UNLESS NOTED OTHERWISE.
- ALL ELECTRICAL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER ACCEPTABLE TO THE CITY.
- ALL ELECTRICAL WORK, INCLUDING SERVICE AND EQUIPMENT, SHALL BE CONDUCTED ON DE-ENERGIZED SYSTEMS AND COMPONENTS.
- APPLICABLE CODES: THE INSTALLATION SHALL COMPLY WITHIN THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND CODES OF THE JURISDICTION.
- WORKMANSHIP: ALL WORK SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER.
- WIRE: MINIMUM WIRE SIZE TO BE USED SHALL BE 12AWG TYPE THIN OR THIN. WIRE RUNS EXCEEDING 100 FEET FOR 120 VOLT CIRCUIT SHALL BE INCREASED TO 10 AWG.
- WIRE: ALL WIRE SHALL BE RUN IN STEEL CONDUIT RIGID, MC OR EMT, 3/4" MINIMUM TRADE SIZE, 40 INCH MAXIMUM LENGTH PER JOINT. WIRE SHALL BE IN LENGTHS NOT EXCEED 72" FOR THE PURPOSE OF CONNECTING DEVICES & FIXTURES.
- ALL TELEPHONE AND DATA OUTLETS SHOWN, SHALL BE PROVIDED WITH 1" CONCEALED EMPTY CONDUIT TERMINATED AT CABLE TRAY.
- GROUNDING: ALL SYSTEMS SHALL BE GROUNDING IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE.

FIRE ALARM NOTES:

- THE NEW SYSTEM SHALL INCLUDE ALL WIRING, RACEWAYS, PULL BOXES, OUTLET AND MOUNTING BOXES, CONTROL EQUIPMENT AND ALL ACCESSORIES. ACCESSORIES AND ITEMS REQUIRED FOR A COMPLETE OPERATING SYSTEM IN ACCORDANCE WITH NFPA 72, ALL NEW DEVICES SHALL BE UL LISTED.
- INSTALLATION SHALL BE PERFORMED BY AN ELECTRICAL CONTRACTOR WITH A MIN. OF FIVE YEARS EXPERIENCE IN THE INSTALLATION OF FIRE ALARM SYSTEMS.
- FIRE ALARM WIRING SHALL BE SOLID COPPER AND SHALL BE RUN IN EMT CONDUITS, MINIMUM CONDUIT SIZE SHALL BE 3/4", THERE SHALL BE NO OTHER BUILDING SYSTEM WIRING IN THE FIRE ALARM CONDUIT.
- THE CONTRACTOR MUST PROVIDE A FIRE ALARM SUBMITTAL WHICH INCLUDES THE FOLLOWING INFORMATION: THE FIRE ALARM SYSTEM AND EQUIPMENT, CUT SHEETS ON THE FIRE ALARM WIRE, AND CIRCUIT LOADING CALCULATIONS PERFORMED BY U.S.S. SUBMITTAL APPROVAL IS REQUIRED BEFORE INSTALLATION. NO FIRE ALARM CIRCUIT SHALL BE LOADED ABOVE 75% CAPACITY.

SYMBOLS LIST:

- FLUORESCENT LIGHTING FIXTURE . LETTER INDICATES FIXTURE TYPE.
- FLUORESCENT LIGHTING FIXTURE WITH EMERGENCY BATTERY CIRCUIT. REFER TO FIXTURE SCHEDULE.
- 1"x4" FLUORESCENT LIGHT FIXTURE
- EXIT LIGHT
- DOWNLIGHT, LETTER INDICATES TYPE.
- WALL MOUNTED LIGHT, LETTER INDICATES TYPE.
- SINGLE POLE TOGGLE SWITCH 20A. 120/277V.
- DUPLEX RECEPTACLE 20A. 120V.
- TELEPHONE OUTLET WITH 3/4" EMT. TO ELECT. ROOM SEE DETAIL 5/EA. +18"(UN).
- HORIZONTAL TO PANELBOARD NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. NUMBER OF ARROWS INDICATES NUMBER OF CONDUCTORS. LETTER DENOTES PANELBOARD NAMES
- BRANCH CIRCUIT WIRE AND CONDUIT RUN CONCEALED ABOVE CEILING OR WITHIN WALLS
- MOTOR CONNECTION
- MOTOR STARTER, FULL VOLTAGE NON-REVERSING 480V. SIZE PER MOTOR NAME PLATE.
- DISCONNECT SWITCH 30A. 3P. 480V. DISC. SWITCH UNLESS NOTED OTHERWISE
- ELECTRICAL PANEL
- JUNCTION BOX
- FIRE ALARM SPRINKLER FLOW SWITCH
- FIRE ALARM TAMPER SWITCH
- END OF LINE RESISTOR
- POLE LIGHT WITH CONCRETE BASE
- EMERGENCY BATTERY LIGHT PACK DUAL-JTE #44114-12V. WITH 2-25W. LAMPS

REVIEWED PER PLAN REVIEW AS NOTED

THE MECHANICAL, PLUMBING, AND ELECTRICAL CODES HAVE NOT BEEN EVALUATED FOR CONFORMANCE WITH THESE DOCUMENTS.

		NO. _____ REVISION _____ DATE _____	
PROJECT TITLE SOLID WASTE TRANSFER STATION		CLIENT FREDERICK COUNTY DEPARTMENT OF UTILITIES 12 EAST CHURCH STREET FREDERICK, MARYLAND 21701	
SHEET TITLE SOLID WASTE TRANSFER STATION		DRAWING NO. E-5	
CAD FILE SCS ENGINEERS STEARN, CONRAD AND SCHMIDT CONSULTING ENGINEERS, INC. 10000 BLOOMINGDALE DRIVE FARMERSBURG, MARYLAND 21038 TEL: (410) 471-6150 FAX: (410) 471-6048		DATE 8/21/06 SCALE AS SHOWN DRAWING NO. E-5	

DEPARTMENT OF PUBLICITY & INSPECTIONS
DEBRECENI COUNTY, HUNGARY

This plan has been provided to assure that
M.C.R.2000 requirements have been checked.
The documents have been noted for compliance.
The documents will be signed for compliance.
provision whether signed out by the review or not.
MAYBEIN RELEASED FIELD PLANS ON
PROJECT HAS NO FIELD INSPECTION REVIEW.
WE HAVE NO AND WILL REMAIN IN DELAY
OF PROJECT AND WILL DEL. Submit any
to changes from field with no requirement print
Form # 47355 Date 08/06/07

Reviewed by: *[Signature]*

7-11-07