HERZ ROSE PARK

TERRE HAUTE, INDIANA

100% BID DOCUMENTS

ISSUED: JULY 8, 2024

NOTE: CHARACTER IMAGE REPRESENTS DESIGN INTENT, REFER TO PLANS FOR ACCURATE DOCUMENTATION.

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PROJECT NAME:
HERZ ROSE PARK

PROJECT ADDRESS:
1515 LOCUST STREET,
TERRE HAUTE, IN 47807

CLIENT:
CITY OF TERRE HAUTE:
MAYOR'S OFFICE &
ENGINEERING DEPARTMENT

VICINITY MAP
NOT TO SCALE

N

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Know what's below. 811 before you dig.

SIMS-DURKIN ASSOCIATES ENGINEERING COMPANY

MECHANICAL, ELECTRICAL, PLUMBING:
SIMS-DURKIN ASSOCIATES ENGINEERING
5755 W. 74TH STREET
INDIANAPOLIS, IN 46278

Land Stewards Design Group

PLANNING, CIVIL, LANDSCAPE:
LAND STEWARDS DESIGN GROUP
5022 ROCKVILLE ROAD
INDIANAPOLIS, IN 46224

fountain people
A PLAYCORE Company

SPLASH PAD:
FOUNTAIN PEOPLE
4600 HWY. 123
SAN MARCOS, TX 78666

SHEET NAME
COVER SHEET

SHEET NUMBER
GI.00

GENERAL NOTES

1. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND VERIFYING THAT ALL PERMITS AND APPROVALS ARE OBTAINED FROM THE RESPECTIVE CITY, COUNTY, AND STATE AGENCIES PRIOR TO STARTING CONSTRUCTION.
3. THE UTILITIES INDICATED ON THESE PLANS MAY NOT BE A COMPLETE INVENTORY OF ALL UTILITIES CURRENTLY ON OR NEAR THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING PUBLIC AND/OR PRIVATE UTILITY LOCATING SERVICES PRIOR TO STARTING CONSTRUCTION.
4. THE SIZE AND LOCATIONS OF THE UTILITIES INDICATED ON THESE PLANS ARE APPROXIMATE. THE CONTRACTOR IS TO DETERMINE AND FIELD VERIFY ALL HORIZONTAL AND VERTICAL LOCATIONS PRIOR TO STARTING CONSTRUCTION ACTIVITIES.
5. ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD PRIOR TO CONSTRUCTION SO THAT REDESIGN OR CLARIFICATION MAY OCCUR.
6. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WITH WORK. NOTIFY THE CITY OF TERRE HAUTE OF ANY DISCREPANCY BETWEEN THE PLANS AND ACTUAL SITE CONDITIONS. NO WORK SHALL BE DONE IN AREAS WHERE SUCH DISCREPANCIES EXIST. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
7. CONTRACTOR SHALL PROVIDE ALL NECESSARY SAFETY MEASURES DURING CONSTRUCTION OPERATIONS TO PROTECT THE PUBLIC ACCORDING TO ALL APPLICABLE CODES AND RECOGNIZED LOCAL PRACTICES.
8. CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN ON THE DRAWINGS AS WELL AS ANY DISCOVERED DURING THE CONSTRUCTION PROCESS.
9. THE LIMIT OF CONSTRUCTION LINE SHOWN DEFINES THE LIMITS OF WORK IN THIS CONTRACT. THERE MAY BE INSTANCES WHERE EROSION PROTECTION DEVICES AND UTILITY SYSTEMS EXTEND BEYOND THE PROJECT LIMITS LINE IN ORDER TO SUCCESSFULLY COMPLETE OPERATIONS AND/OR TIE INTO ADJACENT SYSTEMS.
10. THE CONTRACTOR SHALL KEEP ALL DRAINAGE FACILITIES AFFECTED BY THE CONSTRUCTION OPERATIONS CLEAN AND FULLY OPERATIONAL AT ALL TIMES.
11. MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION. PROVIDE ADDITIONAL MEASURES AS NECESSARY TO MINIMIZE ADVERSE IMPACTS TO THE ADJACENT WATER BODIES, SURFACES AND STORM SEWERS ACCORDING TO ALL APPLICABLE FEDERAL/STATE LAWS AND REGULATIONS. SEE CIVIL PLANS FOR FULL EROSION CONTROL MEASURES AND MAINTENANCE DURING CONSTRUCTION.
12. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WITH WORK. NOTIFY THE CITY OF TERRE HAUTE OF ANY DISCREPANCY BETWEEN THE PLANS AND ACTUAL SITE CONDITIONS. NO WORK SHALL BE DONE IN AREAS WHERE SUCH DISCREPANCIES EXIST. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
13. REPORT ALL EXISTING DAMAGE OF EXISTING SITE IMPROVEMENTS PRIOR TO BEGINNING WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SUBSEQUENT DAMAGE. CONTRACTOR SHALL PROTECT, BY WHATEVER MEANS NECESSARY, THE EXISTING SITE IMPROVEMENTS TO REMAIN. ALL DAMAGED ITEMS SHALL BE REPLACED OR REPAIRED AT NO ADDITIONAL COST TO THE OWNER. NOTIFY THE CITY OF TERRE HAUTE IMMEDIATELY IF ANY DAMAGE OCCURS.
14. ALL AREAS WITHIN THE DRIPLINES OF EXISTING TREES TO REMAIN FREE OF CONSTRUCTION MATERIALS, DEBRIS, VEHICLES AND FOOT TRAFFIC AT ALL TIMES. SEE DEMOLITION SHEETS FOR TREE PROTECTION INFORMATION.
15. CONTRACTORS SHALL COORDINATE ALL WORK WITH RELATED TRADES AND THE GENERAL CONSTRUCTION OF THE PROJECT SO AS NOT TO IMPEDE THE PROGRESS OF THE WORK OF OTHERS OR THE CONTRACTOR'S OWN WORK.
16. EACH CONTRACTOR SHALL VERIFY THE CONDITION AND COMPLETENESS OF ALL WORK PERFORMED BY OTHERS IN RELATION TO HIS/HER PROJECT WORK RESPONSIBILITIES INCLUDING THE CHECKING OF EXISTING ELEVATIONS OR STRUCTURES PRIOR TO INITIATING CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CITY OF TERRE HAUTE IF ANY SITE CONDITIONS ARE INCOMPLETE, MISSING OR DAMAGED.
17. CONTRACTOR SHALL CLEAN THE WORK AREAS AT THE END OF EACH WORKING DAY. ALL MATERIALS, PRODUCTS AND EQUIPMENT SHALL BE STORED IN AN ORGANIZED FASHION. ALL CONSTRUCTION DEBRIS AND REMOVED ITEMS SHALL BE DISPOSED OF LEGALLY OFF-SITE UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
18. THE PLANS ASSUME THAT THE LAYOUT AND STAKING WILL BE ACCOMPLISHED USING TOTAL STATIONING / DIGITAL METHODS. ANY INFORMATION PROVIDED IS INTENDED TO SUPPORT INFORMATION ALREADY CONTAINED IN CAD FILES USED FOR DOCUMENTING LAYOUT AND STAKING. CAD FILES DELINEATING ALL GRADING AND HARDSCAPE ELEMENTS SHOWN IN THESE PLANS CAN BE PROVIDED TO THE CONTRACTOR UPON REQUEST FOR CONDITIONAL USE.
19. CONTRACTOR SHALL EMPLOY SKILLED PERSONNEL AND USE EQUIPMENT NECESSARY TO ENSURE THAT ALL WORK IS PROFESSIONALLY AND PROPERLY INSTALLED AND IN FULL COMPLIANCE WITH THE PLANS AND DETAILS.
20. THE CONSTRUCTION SITE WITHIN THE LIMIT OF WORK MUST BE FENCED AND SECURED DURING CONSTRUCTION.

GENERAL SITE ABBREVIATIONS

AC	ACRE	GA	GAGE
ABC	AGGREGATE BASE COURSE	GAL	GALLON
ADA	AMERICANS WITH DISABILITIES ACT	GEN	GENERATOR
		GPD	GALLONS PER DAY
AGGR	AGGREGATE	GT	GREASE TRAP
ALT	ALTERNATE	GV	GATE VALVE
APPROX	APPROXIMATE	GUT	GUTTER
ASPH	ASPHALT		
ASSY	ASSEMBLY	HB	HOSE BIBB
		HC	HANDICAP OR HANDICAPPED
BC	BACK OF CURB		
BLDG	BUILDING	HDPE	HIGH DENSITY POLYETHYLENE
BLT	BUILT		
BM	BENCHMARK	HDWL	HEADWALL
BNRY	BOUNDARY	HH	HAND HOLE
BO	BLOW OFF	HORIZ	HORIZONTAL
		HP	HIGH POINT
C/C	CENTER TO CENTER	HT	HEIGHT
CB	CATCH BASIN	HWY	HIGHWAY
CCTV	CLOSED CIRCUIT TELEVISION	HYD	HYDRANT
CFS	CUBIC FEET PER SECOND	IE	INVERT ELEVATION
CHKV	CHECK VALVE	INCL	INCLUDED
CI	CAST IRON	INFO	INFORMATION
CIR	CIRCULAR	INV	INVERT
CJ	CONSTRUCTION JOINT OR CONTROL JOINT	LAT	LATITUDE
CL	CENTER LINE	LF	LINEAR FEET (FOOT)
CMP	CORRUGATED METAL PIPE	LOC	LOCATION
CMU	CONCRETE MASONRY UNIT	LONG	LONGITUDE OR LONGITUDINAL
CND	CONDUIT		
CO	CLEANOUT	LOS	LINE OF SIGHT
COMM	COMMUNICATION	LP	LOW POINT OR LIGHT POLE
CONC	CONCRETE	LT	LEFT
CONST	CONSTRUCT OR CONSTRUCTION	MAX	MAXIMUM
		MEG	MEET EXISTING GRADE
COR	CORNER	MEMO	MEMORANDUM
CTR	CENTER	MH	MANHOLE
CTRL	CONTROL	MIN	MINIMUM
CTV	CABLE TELEVISION	MISC	MISCELLANEOUS
CF	CUBIC FEET	MULT	MULTIPLE
CY	CUBIC YARD	MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
CV	CONTROL VALVE		
DA	DRAINAGE AREA	NA	NOT APPLICABLE
DAT	DATUM	NIC	NOT IN CONTRACT
DBL	DOUBLE	NO	NUMBER
DDCV	DOUBLE DETECTOR CHECK VALVE	NRCP	NON-REINFORCED CONCRETE PIPE
DEG	DEGREE		
DEMO	DEMOLITION	NTP	NOTICE TO PROCEED
DEPT	DEPARTMENT	NTS	NOT TO SCALE
DI	DROP INLET		
DIA	DIAMETER	OC	ON CENTER
DIFF	DIFFERENCE OR DIFFERENTIAL	PAR	PARALLEL
		PAVT	PAVEMENT
DIM	DIMENSION	PB	PULL BOX
DIP	DUCTILE IRON PIPE	PC	POINT OF CURVE
DIST	DISTANCE	PCC	POINT OF COMPOUND CURVE
DOM	DOMESTIC		
DOT	DEPARTMENT OF TRANSPORTATION	PCCP	CONCRETE PAVEMENT
DS	DOWNSPOUT	PE	POLYETHYLENE (PLASTIC)
DW	DOMESTIC WATER	PERF	PERFORATED
		PERIM	PERIMETER
EA	EACH	PERM	PERMANENT
EC	EDGE OF CURB	PERP	PERPENDICULAR
EG	EXISTING GRADE	PG	PROFILE GRADE
EJ	EXPANSION JOINT	PH	PHASE
ELEV	ELEVATION	PI	POINT OF INTERSECTION
EP	EDGE OF PAVEMENT (PAVING)	PIV	POST INDICATOR VALVE
		PL	PROPERTY LINE
EPA	ENVIRONMENTAL PROTECTION AGENCY	PP	POWER POLE OR POLYPROPYLENE
ESMT	EASEMENT	PR	PROPOSED
EQ	EQUAL	PREV	PREVIOUS
EQL SP	EQUALLY SPACED	PRC	POINT OF REVERSE CURVE
EQUIP	EQUIPMENT	PRKG	PARKING
EQUIV	EQUIVALENT	PROJ	PROJECT
ES	EDGE OF SHOULDER	PROP	PROPERTY
ESMT	EASEMENT	PRV	PRESSURE RELIEF VALVE
EW	END WALL	PSI	POUNDS PER SQUARE INCH
EX	EXISTING	PSL	PIPE SLEEVE
EXP	EXPANSION	PT	POINT OF TANGENCY
		PVC	POLYVINYL CHLORIDE (PLASTIC)
F/F	FACE TO FACE		
FES	FLARED END SECTION		
FFE	FINISH FLOOR ELEVATION	R	RADIUS
FHA	FIRE HYDRANT ASSEMBLY	RC	REINFORCED CONCRETE
FNC	FENCE	RCB	REINFORCED CONCRETE BOX
FOC	FACE OF CURB		
FPM	FEET PER MINUTE	RCP	REINFORCED CONCRETE PIPE
FPS	FEET PER SECOND		
FPW	FIRE PROTECTION WATER SUPPLY	RD	ROAD OR ROOF DRAIN
		RDC	REDUCER
FSP	FIRE STANDPIPE	REQ	REQUIRE OR REQUIRED
FT	FEET OR FOOT	RFI	REQUEST FOR INFORMATION
G	NATURAL GAS OR GAS LINE	ROW	RIGHT OF WAY

GENERAL SITE ABBREVIATIONS

RR	RAILROAD	TEMP	TEMPORARY
RT	RIGHT	THK	THICKNESS
		TOB	TOP OF BANK
SAN	SANITARY	TOC	TOP OF CURB
SB	SPLASH BLOCK	TOPO	TOPOGRAPHY
SCH	SCHEDULE	TOS	TOE OF SLOPE
SD	STORM DRAIN	TP	TELEPHONE POLE
SDL	SADDLE	TYP	TYPICAL
SECT	SECTION	TW	TOP OF WALL
SEP	SEPARATE		
SF	SQUARE FOOT (FEET)	UD	UNDERDRAIN
SGL	SINGLE	UP	UTILITY POLE
SHLDR	SHOULDER	UTIL	UTILITY
SOV	SHUT OFF VALVE	USGS	U.S. GEOLOGICAL SURVEY
SPEC	SPECIFICATION		
SF	SQUARE FEET	VAR	VARIES
SS	SANITARY SEWER	VB	VALVE BOX
STA	STATION	VC	VERTICAL CURVE
STD	STANDARD	VERT	VERTICAL
STM	STEAM	VIF	VERIFY IN FIELD
SURF	SURFACE	VOL	VOLUME
SURV	SURVEY		
SW	SIDEWALK	W	WATER LINE
SY	SQUARE YARD	WM	WATER METER OR WATER MAIN
		WT	WATER TABLE
T	TELEPHONE	WTR	WATER
TBM	TEMPORARY BENCHMARK	WW	WASTE WATER
TB-XX	TEST BORING-XX (E.G., TB-01)	WWF	WELDED WIRE FABRIC
TD	TRENCH DRAIN		
TE	TOP ELEVATION	XFMR	TRANSFORMER

PROPOSED LEGEND

- MATCH EXISTING GRADE — M.E.G.
- SPOT ELEVATION — 643.00
- TOP OF CURB EDGE OF PAVEMENT — TC 643.50 / EP 643.00
- TOP OF CURB GUTTER — TC 643.50 / GU 643.00
- PROPOSED MINOR CONTOUR — 101
- PROPOSED MAJOR CONTOUR — 100
- STORM STRUCTURES
- STORM SEWER — XX LF OF X" RCP @ X.XX%
- SANITARY STRUCTURE — S
- SANITARY SEWER — XX LF OF XX" PVC @ X.XX%
- UNDERGROUND COMMUNICATIONS — T
- WATER MAIN — XX LF OF XX" WM
- UNDERGROUND ELECTRIC — UE
- ROOF DRAIN — RD
- UNDER DRAIN — UD
- FIBER OPTIC — FO
- GAS MAIN — G
- FIRE MAIN — FM
- SANITARY FORCE MAIN
- CONSTRUCTION FENCE
- TREE PROTECTION — TP
- SILT FENCE — SF
- SUPER SILT FENCE — SSF
- CENTERLINE
- FEMA FLOOD ZONE
- DIRECTION OF FLOW
- EMERGENCY PEDESTAL — E
- POWER PEDESTAL — P
- PLANTING BED OUTLET

- TEMPORARY SEEDING
- CONSTRUCTION STAGING AREA
- CONCRETE LIMITS
- LIGHT DUTY ASPHALT LIMITS
- HEAVY DUTY ASPHALT LIMITS
- ASPHALT RESURFACING LIMITS
- GRAVEL LIMITS
- BUILDING LIMITS
- LIGHT POLE — LP
- LIGHT BOLLARD
- PARKING LIGHT
- PATHWAY LIGHTING
- UPLIGHT AT ART FEATURE
- UPLIGHT AT SIGN
- SIGN
- INLET PROTECTION — IP
- CONCRETE WASHOUT AREA
- WATER TEE, BENDS
- WATER MAIN VALVE — W
- CLEANOUT — CO
- FIRE HYDRANT
- WATER MAIN REDUCER
- PARKING BUMPER

Land Stewards Design Group
Planning Civil Landscape
5022 ROCKVILLE ROAD
INDIANAPOLIS, IN 46224
LANDSTEWARDSDG.COM

CLIENT / OWNER
CITY OF TERRE HAUTE

PROJECT NAME
HERZ ROSE PARK

PROJECT LOCATION
1515 Locust St.
Terre Haute, IN
47807

MEP
SIMS-DURKIN ASSOCIATES
5755 W. 74th St.
Indianapolis, IN, 46278-1755
p 317.209.4035

SPLASH PAD
FOUNTAIN PEOPLE
4600 Hwy. 123
San Marcos, TX, 78666
p 770.366.3302

CERTIFIED BY:
DAVID WAYNE COUNSELL
REGISTERED
PE 11700768
STATE OF
INDIANA
PROFESSIONAL ENGINEER
07-08-2024

100% BID DOCUMENTS

NO.	REVISION	DATE

KEYMAP:

ISSUE DATE
07.08.2024

PROJECT NUMBER
23-005

SHEET NAME
GENERAL NOTES

SHEET NUMBER
GI.01

LINE LEGEND

Existing Linework

- = Chain Link Fence
- = Woven Wire Fence
- = Wood Fence
- = High Tensile / Electric Fence
- = Flowline
- = Cable TV Line
- = Fiber Optic Line
- = Gas Line
- = High Bank
- = Overhead Electric

Existing Linework

- = Overhead Telephone
- = Overhead Utilities
- = Railroad Track
- = Sanitary Sewer
- = Storm Sewer
- = Treeline
- = Underground Electric
- = Underground Telephone
- = Water Line
- = Water Edge

SYMBOL LEGEND

Utilities

- = Electrical Box
- = Electrical Stub
- = Electrical Outlet
- = Electric Meter
- = Electric Transformer
- = Electric Manhole
- = Electric Handhole
- = Electric Marker
- = Electric Generator
- = Gas Meter
- = Gas Marker
- = Gas Handhole
- = Gas Valve
- = Water Hydrant
- = Water Meter
- = Water Valve
- = Water Well
- = Fire Protection Hookup
- = Fire Protection Valve
- = Fire Hydrant
- = Water Handhole
- = Fire Protection Vault
- = Sprinkler Control Box
- = Sprinkler Control Valve
- = Sprinkler
- = Communications Manhole
- = Cable Box
- = Telephone Box
- = Cable Marker
- = Fiber Optic Marker
- = Communications Handhole
- = Fiber Optic Handhole
- = Telephone Line Marker
- = Curb Inlet
- = Round Inlet
- = Square Inlet
- = Manhole
- = Roof Drain
- = Monitoring Well
- = Flowline
- = Sheet Flow Direction
- = Power Pole
- = Utility Pole
- = Utility Pole w/Riser
- = Utility & Light Pole
- = Light Pole
- = Guy Wire Anchor
- = Utilities Manhole
- = Cleanout

Topographic

- = Air Conditioner Unit
- = Ground Light
- = Wall Light
- = Yard Light
- = Post
- = Gate Post
- = "T" Post
- = R/W Marker
- = Benchmark
- = Temporary Benchmark
- = Security Camera
- = Fuel Access Cap
- = Trash Recepticle
- = Flag Pole
- = Soil Boring
- = Coniferous Tree
- = Deciduous Tree
- = Stump
- = Shrub

Traffic

- = Bollard
- = MailBox
- = Control Cabinet
- = Traffic Signal Box
- = Traffic Signal Pole
- = Traffic Manhole
- = Sign
- = Stop Sign
- = Traffic Handhole
- = Pedestrian Crossing Sign
- = Pedestrian Crossing Pole
- = Handicap Parking
- = Parking Bumper
- = Left Turn Arrow
- = Right Turn Arrow
- = Traffic Arrow
- = Picnic Table
- = Park Bench
- = Bicycle Rack
- = Miscellaneous Structure
- = Aerial Target

N

0' 30' 60'

SCALE: 1"= 30'

Horizontal Control
Indiana State Plane, NAD83, Indiana West Zone 1302
Grid Coordinates
Units: feet
Vertical Control Datum = NAVD88

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Land Stewards Design Group
Planning Civil Landscape
5022 ROCKVILLE ROAD
INDIANAPOLIS, IN 46224
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SPLASH PAD
FOUNTAIN PEOPLE
4600 Hwy. 123
San Marcos, TX, 78666
p 770.366.3302

CERTIFIED BY:
CALEB L. TOWLES REGISTERED 21700001 STATE OF INDIANA LAND SURVEYOR
Caleb Towles
03/14/2023

100% BID DOCUMENTS

NO.	REVISION	DATE

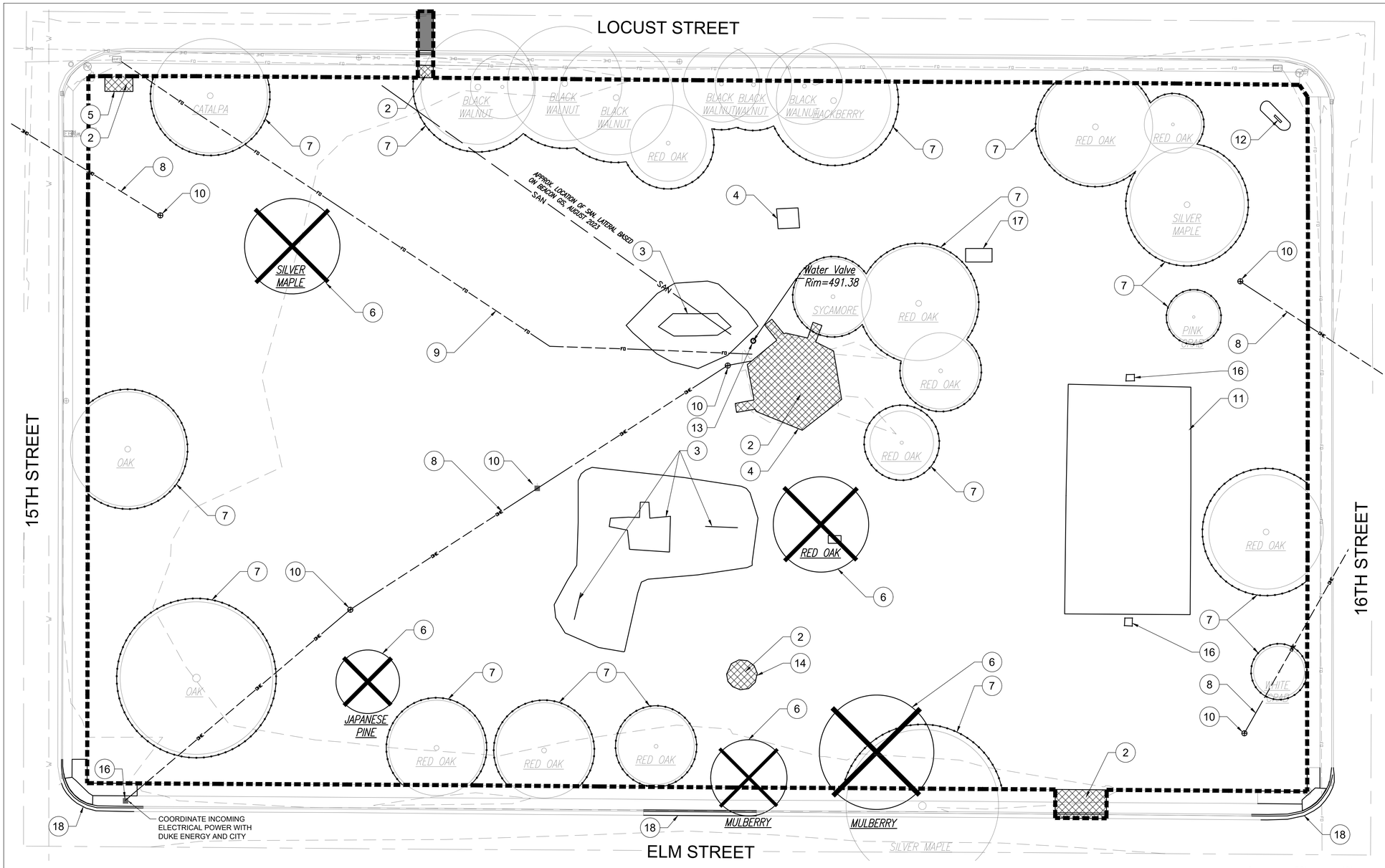
KEYMAP:

ISSUE DATE
07.08.2024

PROJECT NUMBER
23-005

SHEET NAME
EXISTING CONDITIONS SURVEY

SHEET NUMBER
SV.00



1 EXISTING CONDITIONS & DEMOLITION PLAN

SCALE: 1" = 20'-0"

PLAN

0 20' 40'

SCALE IN FEET

EXISTING CONDITIONS & DEMOLITION PLAN NOTES

1. THE CITY OF TERRE HAUTE INTENDS TO SELF-PERFORM ALL DEMOLITION AND PRELIMINARY UTILITY ROUTING UNLESS OTHERWISE SPECIFIED.
2. IN AREAS WHERE PAVING OR CONCRETE SLABS ARE BEING REMOVED AND LAWN OR PLANTING AREAS ARE PROPOSED, CONTRACTOR SHALL EXCAVATE TO SUBGRADE MATERIAL. CONTRACTOR SHALL DISPOSE OF EXCAVATED MATERIAL. CONTRACTOR SHALL DISPOSE OF EXCAVATED MATERIAL OFF-SITE AT APPROVED DISPOSAL SITES ONLY, UNLESS SHOWN OTHERWISE. REMOVAL OF EXISTING CONCRETE AND ASPHALT PAVEMENT INDICATED ON PLANS SHALL INCLUDE ALL AGGREGATE BASE AND SUBGRADE MATERIALS. SAWCUT ALL EXISTING PAVED AREAS TO BE REMOVED. ALL CUTS SHALL BE CLEAN, NEAT AND TRUE TO LINE. WHERE PLANT MATERIAL IS PROPOSED TO REPLACE REMOVED CONCRETE AND ASPHALT, CONTRACTOR SHALL REMOVE ALL NON-ORGANIC OR TOXIC MATTER THAT WOULD INTERFERE WITH PROPOSED PLANT MATERIAL.
3. ALL UNDERGROUND UTILITIES OR STRUCTURES IN PROPOSED PAVEMENT OR BUILDING AREAS REQUIRING REMOVAL SHALL BE BACKFILLED COMPLETELY WITH APPROVED ENGINEERED GRANULAR MATERIAL SUITABLE TO THE LANDSCAPE DESIGNER/CIVIL ENGINEER.
4. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL DEBRIS IN A LEGAL MANNER.
5. CATCH BASINS, SEWER INLETS, ETC. ARE TO BE PROTECTED FROM DEBRIS AND SEDIMENTATION DURING DEMOLITION. INSTALL FILTER FABRIC UNDER ANY INLET CASTINGS ON OR OFF SITE THAT RECEIVE STORM WATER FROM THE SITE BEFORE ANY DEMOLITION OR EARTHWORK ACTIVITIES COMMENCE.
6. IF ANY DISCREPANCIES OCCUR BETWEEN CONSTRUCTION DOCUMENTS AND SITE CONDITION DURING DEMOLITION, CONTACT ARCHITECT/ENGINEER IMMEDIATELY.
7. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE, VERIFY, AND PROTECT ALL EXISTING UTILITIES WITHIN THE PROJECT AREA.
8. STORMWATER BMPS MUST BE INSTALLED PRIOR TO ANY DEMO WORK ONSITE.
9. ALL DISTURBED AREAS TO RECEIVE GRASS SEED.

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EXISTING CONDITIONS & DEMOLITION PLAN KEYNOTES & LEGEND

1. CONSTRUCTION LIMITS
2. REMOVE EXISTING CONCRETE
3. REMOVE EXISTING PLAYGROUND FEATURES, FOUNDATIONS, SURFACES AND MATERIALS, STORE PER CLIENT
4. REMOVE EXISTING PICNIC SHELTER AND FOUNDATIONS AND STORE FOR REUSE, COORDINATE STORAGE LOCATION WITH CLIENT
5. REMOVE AND RELOCATE BUS SHELTER, BY CLIENT
6. REMOVE EXISTING TREE TRUNK AND ROOT BALL
7. PROTECT EXISTING TREE TO REMAIN, APPLY TREE PROTECTION, SEE DETAIL 1 - SHEET LP.03
8. REMOVE EXISTING OVERHEAD ELECTRICAL LINES, COORDINATE WITH UTILITY COMPANY
9. RELOCATED EXISTING FIBER OPTIC LINE, COORDINATE WITH UTILITY COMPANY
10. REMOVE EXISTING LIGHT OR POWER POLE, COORDINATE WITH UTILITY COMPANY
11. EXISTING BASKETBALL COURT TO REMAIN, REMOVE VEGETATION FROM CRACKS AND CLEAN SURFACE
12. REMOVE EXISTING PARK ENTRANCE SIGN AND FOUNDATION
13. REMOVE AND RELOCATE WATER MAIN, SEE UTILITIES PLAN
14. REMOVE BICYCLE RACK, STORE PER CLIENT
15. REMOVE BASKETBALL GOAL POSTS, STORE PER CLIENT
16. EXISTING POWER POLE TO REMAIN
17. REMOVE AND RELOCATE SHELTER BENCH, SEE SHEET CS.00
18. ELM ST. CURB IMPROVEMENTS ARE PROPOSED FUTURE CITY PROJECT NOT INCLUDED IN THIS WORK. MATCH EXISTING CONDITIONS AS NEEDED. COORDINATE WITH CITY ENGINEER, MARCUS MAURER FOR MORE INFO.

Land Stewards Design Group
Planning Civil Landscape
5022 ROCKVILLE ROAD
INDIANAPOLIS, IN 46224
LANDSTEWARDSDG.COM

CLIENT / OWNER
CITY OF TERRE HAUTE

PROJECT NAME
HERZ ROSE PARK

PROJECT LOCATION
1515 Locust St.
Terre Haute, IN
47807

MEP
SIMS-DURKIN ASSOCIATES
5755 W. 74th St.
Indianapolis, IN, 46278-1755
p 317.209.4035

SPLASH PAD
FOUNTAIN PEOPLE
4600 Hwy. 123
San Marcos, TX, 78666
p 770.366.3302

CERTIFIED BY:
DAVID WAYNE COUNSELL REGISTERED PE 11700768 STATE OF INDIANA PROFESSIONAL ENGINEER
07-08-2024

100% BID DOCUMENTS

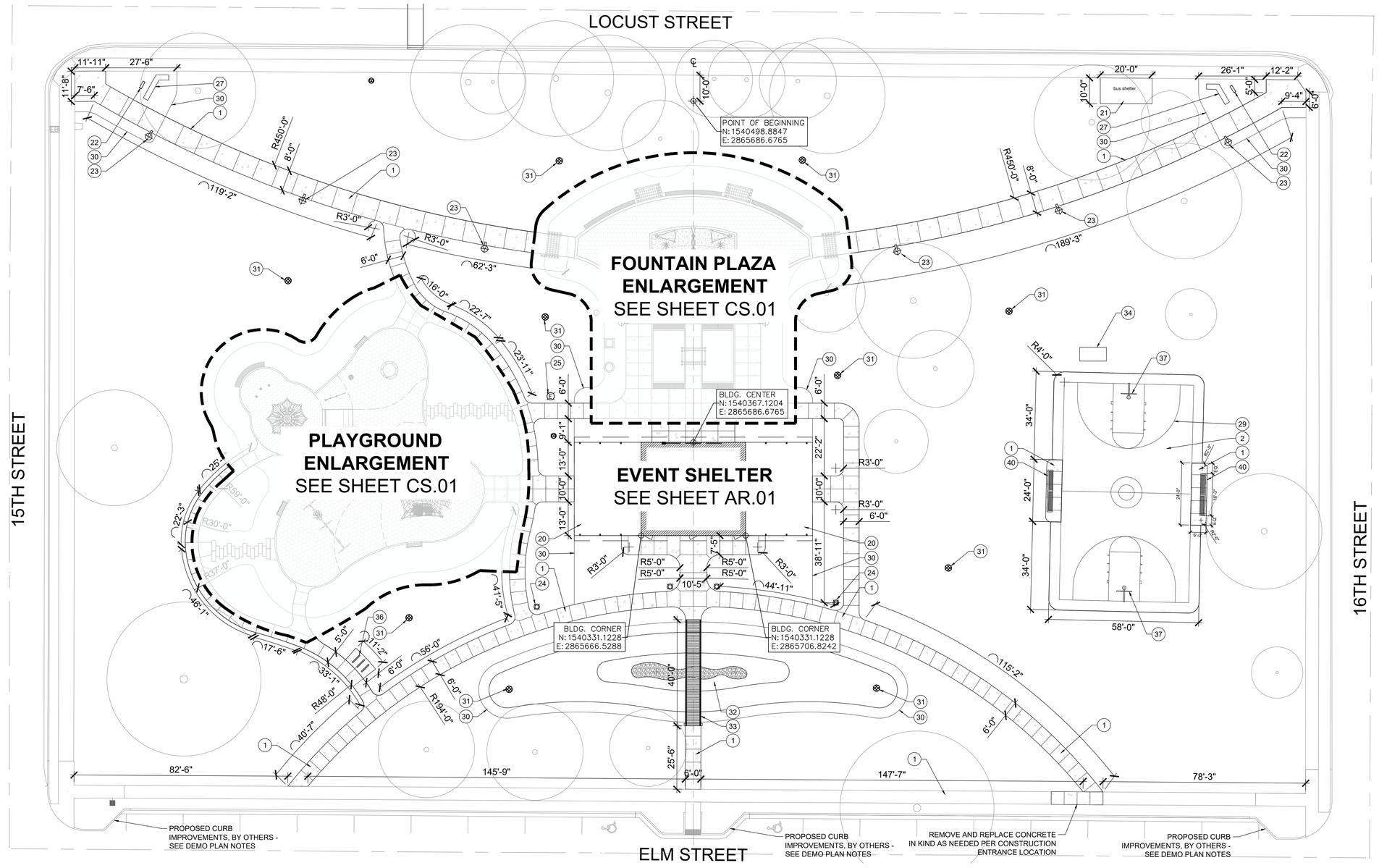
NO.	REVISION	DATE

KEYMAP:

ISSUE DATE 07.08.2024
PROJECT NUMBER 23-005

SHEET NAME
EXISTING CONDITIONS & DEMOLITION PLAN

SHEET NUMBER
CD.00



1 OVERALL SITE PLAN
SCALE: 1" = 20'-0"

PLAN

0 20' 40'

SCALE IN FEET

SITE PLAN NOTES

1. ALL DIMENSIONS SHOWN ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.
2. DO NOT SCALE DRAWINGS. UTILIZE DIMENSIONS INDIDICATED ON THE PLANS.
3. ALL DIMENSIONS ARE TO THE EDGE OF PAVEMENT, FACE OF WALL, OR FACE OF CURB UNLESS OTHERWISE NOTED.
4. WALKWAYS AND HARDSCAPE ELEMENTS INDICATED AS CURVILINEAR SHALL HAVE SMOOTH CONTINUOUS CURVES.
5. UNLESS INDICATED OTHERWISE, ALL WALKWAYS ABUT AT 90 DEGREE ANGLES.
6. ALL CONCRETE CORING SHALL BE PARALLEL, PERPENDICULAR, OR TANGENT TO ADJACENT IMPROVEMENTS UNLESS OTHERWISE NOTED.
7. PROVIDE ISOLATION JOINTS WHERE CONCRETE PAVING OR PAVING BASE MEETS A FIXED STRUCTURE (EXISTING AND PROPOSED).
8. PROVIDE FLUSH CONDITIONS AT JUNCTURE OF ALL WALKWAYS.
9. CONTROL JOINTS SHALL BE EQUALLY DISTRIBUTED ACROSS CONCRETE SURFACE AND SPACED 5 FOOT APART MAX, AS INDIDCATED ON DRAWINGS.

SITE PLAN KEYNOTES & LEGEND

1. CONCRETE, SEE DETAIL 1 - SHEET CS.02
2. ASPHALT, SEE DETAIL 9 - SHEET CS.02
3. PAVERS ON CONCRETE BASE, SEE DETAIL 7,8 - SHEET CS.02
4. POURED-IN-PLACE PLAY SURFACING, SEE DETAILS 1,16 - SHEET CS.04
5. SYNTHETIC ARTIFICIAL TURF, SEE DETAIL 2 - SHEET CS.04
6. SPLASH PAD FOUNTAIN, SEE FOUNTAIN PLANS
7. FOUNTAIN VAULT, SEE FOUNTAIN PLANS
8. FLUSH CONCRETE CURB, SEE DETAIL 4 - SHEET CS.02
9. C.I.P. CONCRETE CURB, SEE DETAIL 5 - SHEET CS.02
20. EVENT SHELTER, SEE SHELTER PLANS
21. RELOCATED BUS SHELTER, BY OWNER
22. LINEAR LIGHT AT ENTRY SIGN, SEE ELECTRICAL PLANS
23. PATHWAY LIGHT, SEE SEE ELECTRICAL PLANS
24. BOLLARD/PEDESTRIAN LIGHT, SEE ELECTRICAL PLANS
25. EMERGENCY PEDESTAL, SEE ELECTRICAL PLANS
26. POWER RECEPTACLE, SEE ELECTRICAL PLANS
27. PARK ENTRANCE SIGNAGE
28. PARK RULES SIGNAGE
29. BASKETBALL COURT STRIPING, SEE DETAIL 14 - SHEET CS.04
30. SPADE LANDSCAPE BED EDGE
31. DRAIN INLET, SEE SHEET CU.00
32. BIOSWALE, SEE DETAIL 10 - SHEET LP.03
33. WOODEN BOARDWALK, SEE DETAIL 3 - SHEET CS.05
34. RELOCATED SHELTER BENCH
35. TRASH RECEPTACLE, SEE DETAIL 2 - SHEET CS.03
36. BIKE RACK, SEE DETAIL 3 - SHEET CS.03
37. BASKETBALL GOAL, SEE DETAIL 15 - SHEET CS.04
38. BENCH TYPE 1, SEE DETAIL 1 - SHEET CS.03
39. BENCH TYPE 2, SEE DETAIL 4 - SHEET CS.03
40. BENCH TYPE 3, SEE DETAIL 5 - SHEET CS.03

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

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100% BID DOCUMENTS

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KEYMAP:

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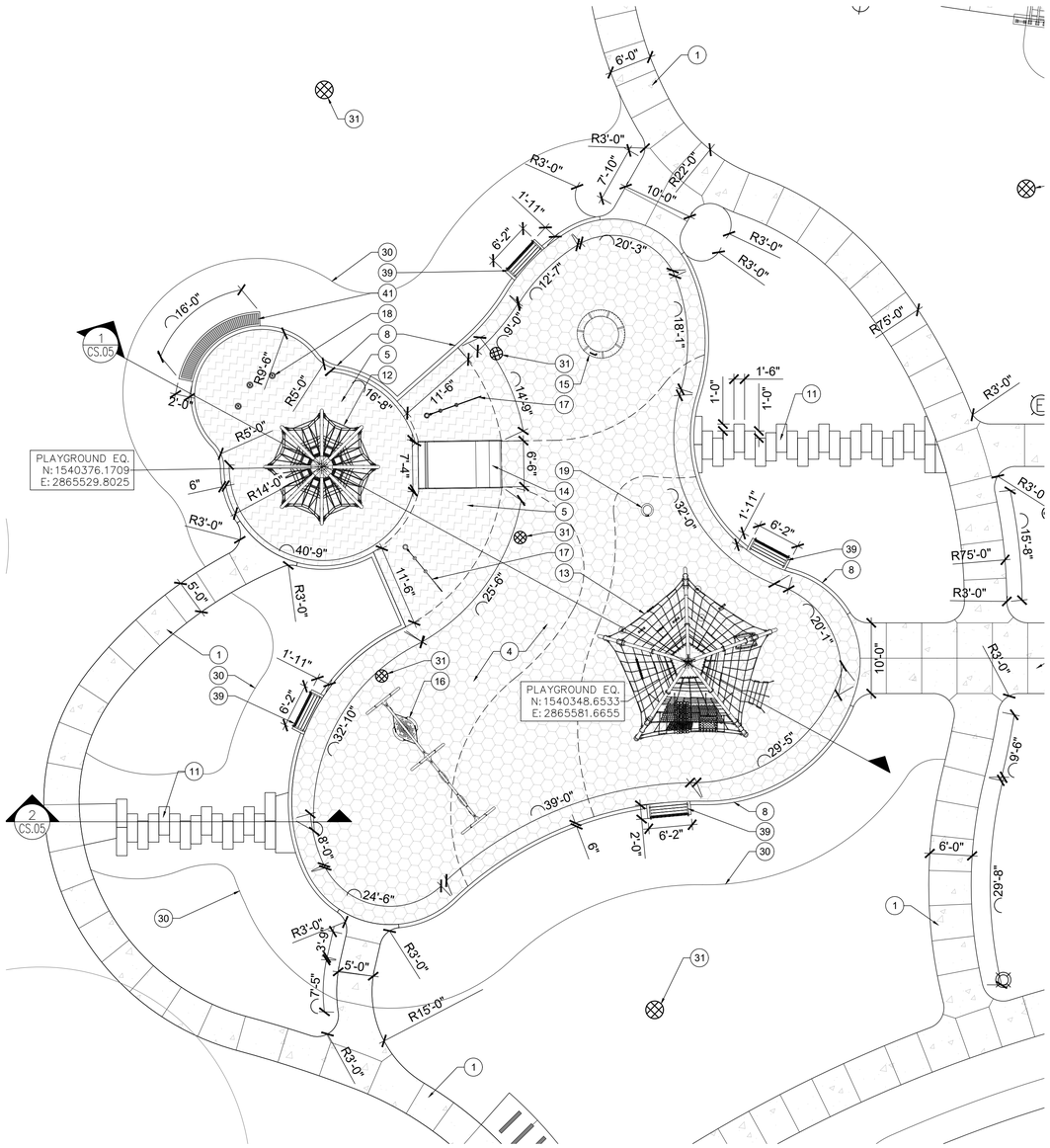
PROJECT NUMBER
23-005

SHEET NAME
OVERALL SITE PLAN

SHEET NUMBER
CS.00

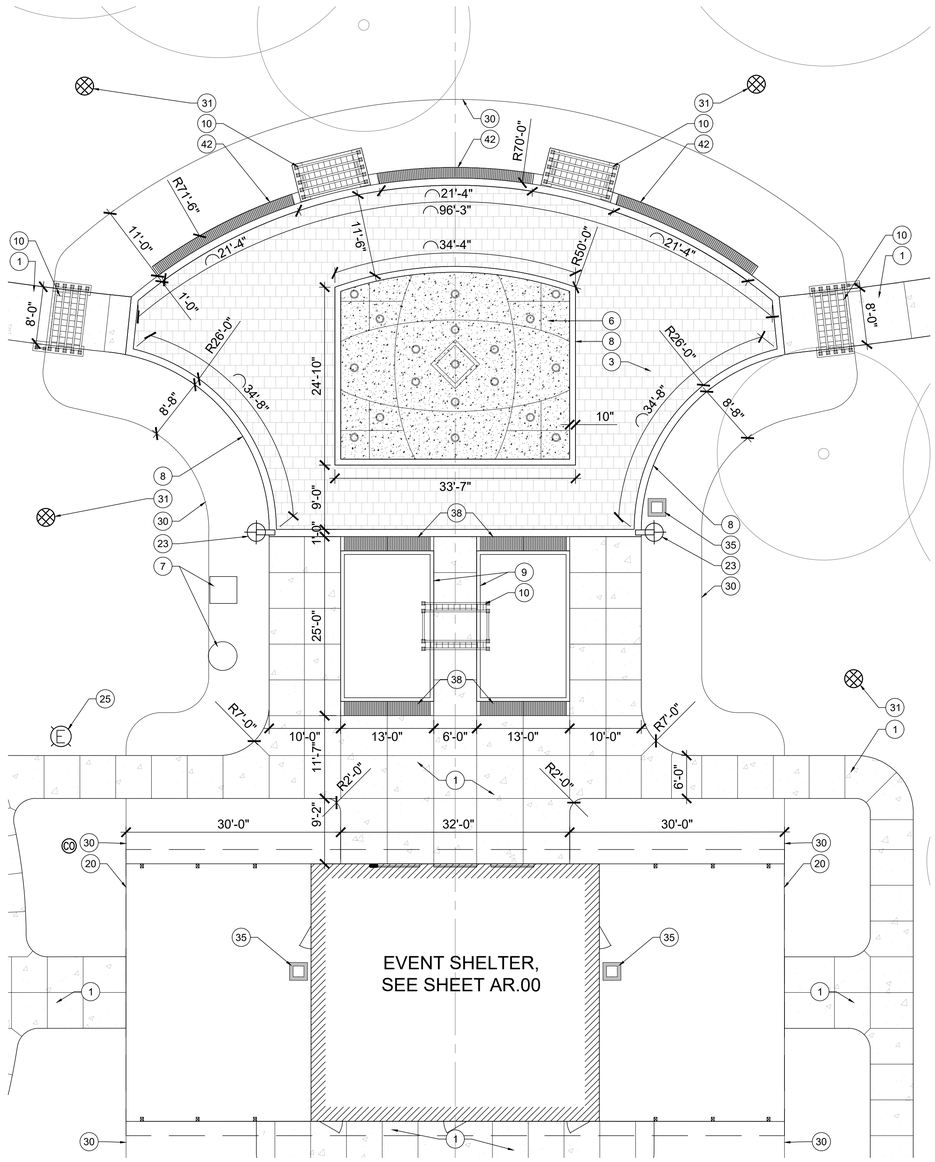


1 SITE PLAYGROUND ENLARGEMENT
SCALE: 1" = 10'-0"

PLAN

0 10' 20'

SCALE IN FEET



2 SITE PLAZA ENLARGEMENT
SCALE: 1" = 10'-0"

PLAN

0 10' 20'

SCALE IN FEET

SITE PLAN NOTES

1. ALL DIMENSIONS SHOWN ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.
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Indiana 811 Know what's below. 811 before you dig.

SITE PLAN KEYNOTES & LEGEND

1. CONCRETE, SEE DETAIL 1 - SHEET CS.02
2. ASPHALT, SEE DETAIL 9 - SHEET CS.02
3. PAVERS ON CONCRETE BASE, SEE DETAIL 7,8 - SHEET CS.02
4. POURED-IN-PLACE PLAY SURFACING, SEE DETAILS 1,16 - SHEET CS.04
5. SYNTHETIC ARTIFICIAL TURF, SEE DETAIL 2 - SHEET CS.04
6. SPLASH PAD FOUNTAIN, SEE FOUNTAIN PLANS
7. FOUNTAIN VAULT, SEE FOUNTAIN PLANS
8. FLUSH CONCRETE CURB, SEE DETAIL 4 - SHEET CS.02
9. C.I.P. CONCRETE CURB, SEE DETAIL 5 - SHEET CS.02
10. ART SCULPTURES, SEE SCULPTURE PLANS
11. LIMESTONE STEPPING STONES, SEE DETAIL 2 - SHEET CS.05
12. CRYSTAL SPHERE, SEE DETAIL 11 - SHEET CS.04
13. SENSORY DOME, SEE DETAIL 7 - SHEET CS.04
14. EMBANKMENT SLIDE, SEE DETAIL 8 - SHEET CS.04
15. SUPER NOVA, SEE DETAIL 9 - SHEET CS.04
16. 3 SEAT SWING, SEE DETAIL 13 - SHEET CS.04
17. HILL CLIMBER, SEE DETAIL 12 - SHEET CS.04
18. STEPPING PODS, SEE DETAILS 5,6 - SHEET CS.04
19. SPINNER BOWL, SEE DETAIL 10 - SHEET CS.04
20. EVENT SHELTER, SEE SHELTER PLANS
21. RELOCATED BUS SHELTER, BY OWNER
22. LINEAR LIGHT AT ENTRY SIGN, SEE ELECTRICAL PLANS
23. PATHWAY LIGHT, SEE SEE ELECTRICAL PLANS
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36. BIKE RACK, SEE DETAIL 3 - SHEET CS.03
37. BASKETBALL GOAL, SEE DETAIL 15 - SHEET CS.04
38. BENCH TYPE 1, SEE DETAIL 1 - SHEET CS.03
39. BENCH TYPE 2, SEE DETAIL 4 - SHEET CS.03
40. BENCH TYPE 3, SEE DETAIL 5 - SHEET CS.03
41. ARC BENCH TYPE 1, SEE DETAIL 6 - SHEET CS.03
42. ARC BENCH TYPE 2, SEE DETAIL 7 - SHEET CS.03

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KEYMAP:

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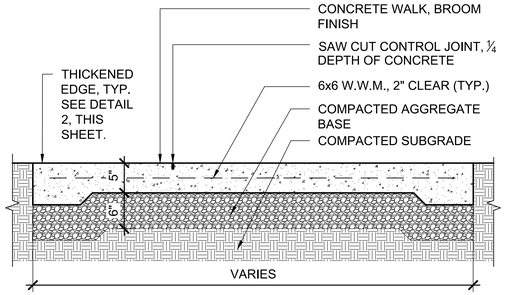
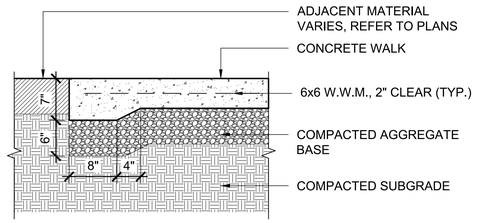
PROJECT NUMBER
23-005

SHEET NAME
SITE PLAN ENLARGEMENTS

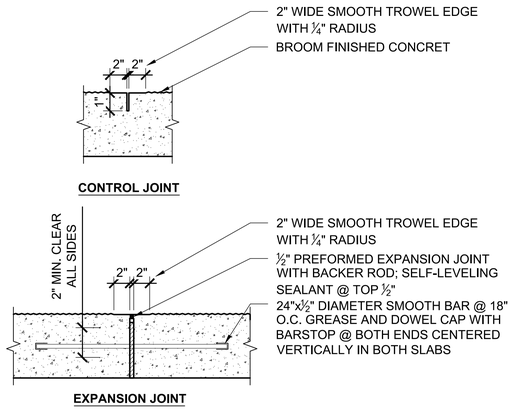
SHEET NUMBER
CS.01



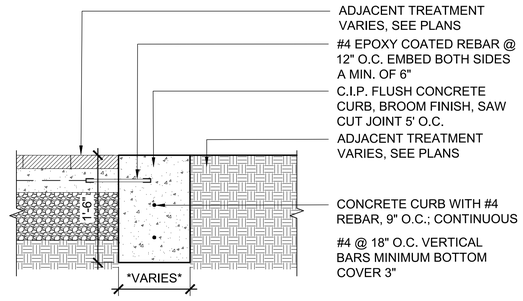
1 CONCRETE PAVEMENT
SCALE: 1" = 1'-0"



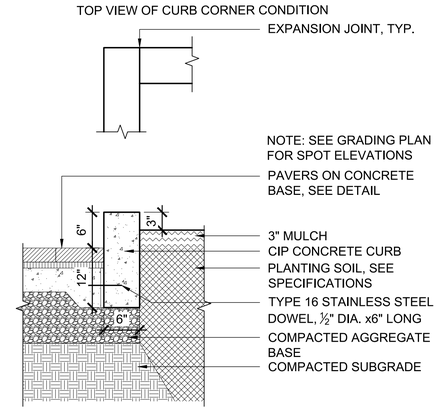
2 CONCRETE THICKENED EDGE
SCALE: 1" = 1'-0"



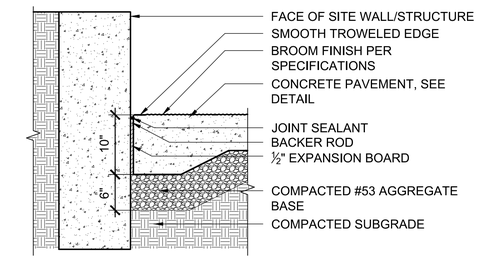
3 CONCRETE PAVEMENT JOINTS
SCALE: 1" = 1'-0"



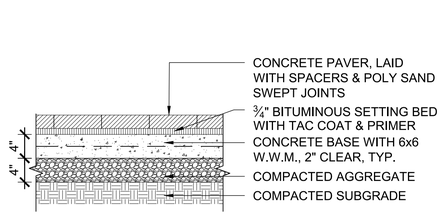
4 FLUSH CONCRETE CURB
SCALE: 1" = 1'-0"



5 C.I.P. CONCRETE CURB
SCALE: 1" = 1'-0"

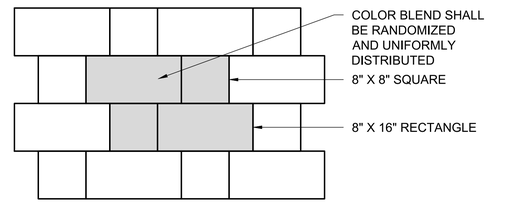


6 CONCRETE AT STRUCTURE OR WALL
SCALE: 1" = 1'-0"

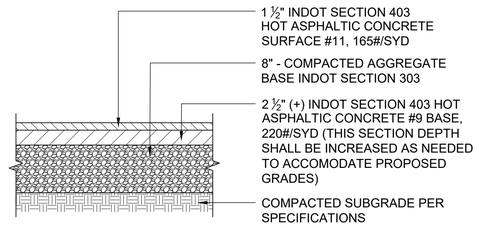


7 PAVERS ON CONCRETE BASE
SCALE: 1" = 1'-0"

VENDOR: UNILOCK
PRODUCT: SERIES PAVER
COLOR BLEND: 50% NORDIC STAR
50% ARTIC GREY
PATTERN: PATTERN C
(OR APPROVED EQUAL)
CONTACT: STONY SUSKI (219)677-2463



8 PAVER PATTERN TYPE 1
SCALE: 1" = 1'-0"



9 ASPHALT PAVEMENT
SCALE: 1" = 1'-0"

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07-08-2024

100% BID DOCUMENTS

NO.	REVISION	DATE

KEYMAP:

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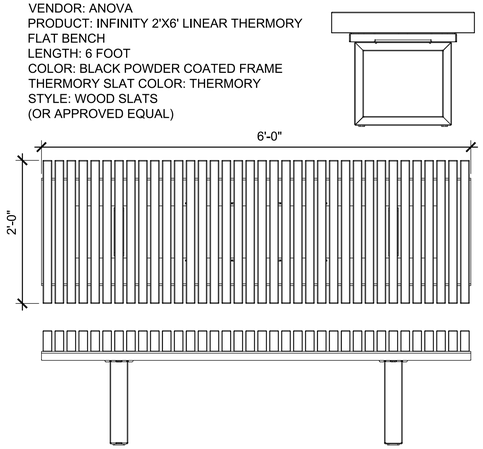
PROJECT NUMBER
23-005

SHEET NAME
SITE DETAILS

SHEET NUMBER
CS.02

VENDOR: ANOVA
PRODUCT: INFINITY 2'X6' LINEAR THERMORY FLAT BENCH
LENGTH: 6 FOOT
COLOR: BLACK POWDER COATED FRAME
THERMORY SLAT COLOR: THERMORY
STYLE: WOOD SLATS
(OR APPROVED EQUAL)



1 BENCH TYPE 1
SCALE: NTS

VENDOR: ANOVA FURNISHINGS
PRODUCT: VIBE 45 GALLON RECYCLED PLASTIC TRASH RECEPTACLE
LID: BONNET TOP
COLOR: BLACK
STYLE: WOOD SLATS
(OR APPROVED EQUAL)

2 TRASH RECEPTACLE
SCALE: NTS

VENDOR: ANOVA FURNISHINGS
PRODUCT: VIBE STEEL BIKE RACK
MOUNT: SURFACE MOUNT
COLOR: BLACK
(OR APPROVED EQUAL)

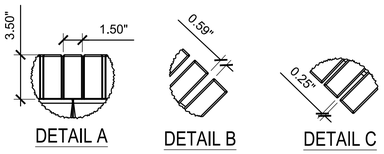
3 BIKE RACK
SCALE: NTS

VENDOR: ANOVA FURNISHINGS
PRODUCT: VIBE 5 ½" THERMORY CONTOUR BENCH WITH ARMREST
MOUNT: SURFACE MOUNT
COLOR: YELLOW
(OR APPROVED EQUAL)

4 BENCH TYPE 2
SCALE: NTS

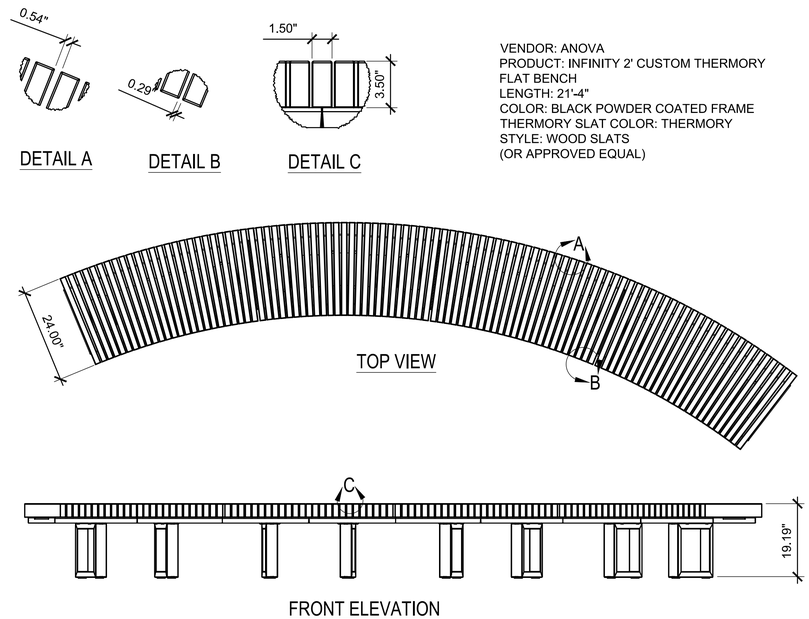
VENDOR: WILLY GOAT
PRODUCT: EXTRA HEAVY-DUTY BENCH WITHOUT BACK
MOUNT: SURFACE MOUNT
COLOR: BLACK
(OR APPROVED EQUAL)

5 BENCH TYPE 3
SCALE: NTS



VENDOR: ANOVA
PRODUCT: INFINITY 2' CURVED 1290 THERMORY FLAT BENCH
LENGTH: 12'
COLOR: YELLOW POWDER COATED FRAME
THERMORY SLAT COLOR: THERMORY
STYLE: WOOD SLATS
(OR APPROVED EQUAL)

6 ARC BENCH TYPE 1
SCALE: NTS



VENDOR: ANOVA
PRODUCT: INFINITY 2' CUSTOM THERMORY FLAT BENCH
LENGTH: 21'-4"
COLOR: BLACK POWDER COATED FRAME
THERMORY SLAT COLOR: THERMORY
STYLE: WOOD SLATS
(OR APPROVED EQUAL)

7 ARC BENCH TYPE 2
SCALE: NTS

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KEYMAP:

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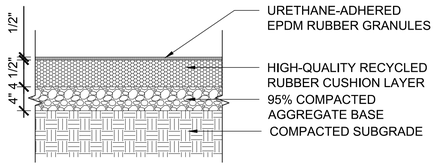
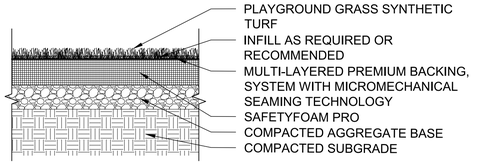
PROJECT NUMBER
23-005

SHEET NAME
SITE FEATURES

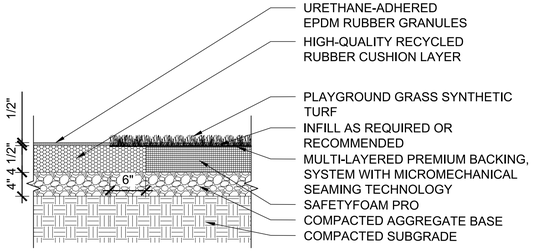
SHEET NUMBER
CS.03



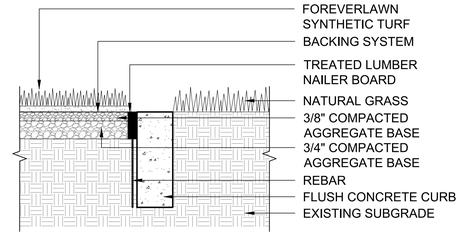
1 POURED-IN-PLACE PLAY SURFACING
SCALE: 1" = 1'-0"



2 SYNTHETIC ARTIFICIAL TURF
SCALE: 1" = 1'-0"



3 TURF TRANSITION AT RUBBER SAFETY SURFACE
SCALE: 1" = 1'-0"



4 SYNTHETIC TURF LAWN AT CURB
SCALE: 1" = 1'-0"

MANUFACTURER: KOMPAN
PRODUCT: SENSORY DOME
DIMENSIONS: 24' 4" X 25' 6" X 13'9"
MATERIALS: STEEL PIPES AND
COROCORD ROPE
COLOR: (TOP) LIME GREEN
(BOTTOM) LIGHT BLUE
CONTACT: MELISSA GUFFEY
(317)201-7056

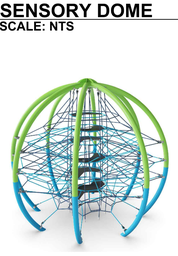
7 SENSORY DOME
SCALE: NTS

MANUFACTURER: KOMPAN
PRODUCT: 6' EMBANKMENT SLIDE
MATERIALS: STAINLESS STEEL
CONTACT: MELISSA GUFFEY
(317)201-7056

8 EMBANKMENT SLIDE
SCALE: NTS

MANUFACTURER: KOMPAN
PRODUCT: SUPERNOVA
DIMENSIONS: 6' 10" X 6' 10" X 2' 4"
MATERIALS: GALVANIZED STEEL &
LOW DENSITY POLYETHYLENE
COLOR: DARK TEAL
CONTACT: MELISSA GUFFEY
(317)201-7056

9 SUPERNOVA
SCALE: NTS



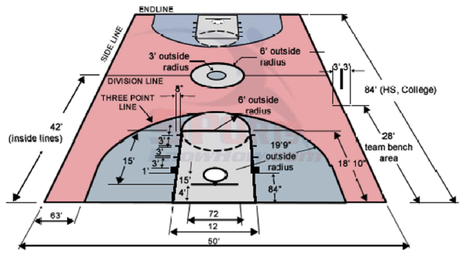
MANUFACTURER: KOMPAN
PRODUCT: CRYSTAL SPHERE
DIMENSIONS: 16' 4" X 16' 4" X 14' 2"
MATERIALS: STEEL PIPES AND
COROCORD ROPE
COLOR: (TOP) LIME GREEN
(BOTTOM) LIGHT BLUE
CONTACT: MELISSA GUFFEY
(317)201-7056

11 CRYSTAL SPHERE
SCALE: NTS

MANUFACTURER: KOMPAN
PRODUCT: HILL CLIMBER
DIMENSIONS: 14' 4" X 0' 9" X 12' 1"
MATERIALS: GALVANIZED STEEL &
COROCORD ROPE
COLOR: LIGHT BLUE
CONTACT: MELISSA GUFFEY
(317)201-7056

12 HILL CLIMBER
SCALE: NTS

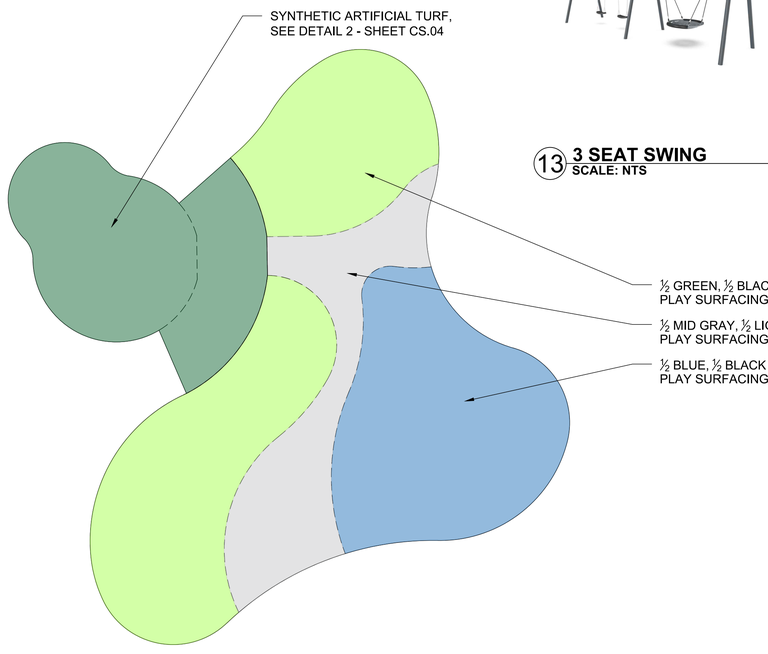
NOTE: REFER TO SPORTS KNOWHOW.COM FOR
HIGH SCHOOL REGULATION STRIPING
PAINT TO BE RATED FOR EXTERIOR ASPHALT



14 BASKETBALL COURT STRIPING LAYOUT
SCALE: NTS

MANUFACTURER: GOALSETTER
PRODUCT: LAUNCH TEMPERED
GLASS, BREAKAWAY RIM,
TELESCOPING POLE, 60"
BACKBOARD

15 BASKETBALL GOAL
SCALE: NTS



16 PLAY SURFACE LAYOUT
SCALE: NTS

MANUFACTURER: KOMPAN
PRODUCT: STEPPING POD, 1'
DIMENSIONS: 0' 11" X 0' 11" X 0' 12"
MATERIALS: SBR RUBBER, HOT-DIP
GALVANIZED STEEL
COLOR: BLACK
CONTACT: MELISSA GUFFEY
(317)201-7056

5 STEPPING POD, 1'
SCALE: NTS

MANUFACTURER: KOMPAN
PRODUCT: STEPPING POD, 2'
DIMENSIONS: 0' 11" X 0' 11" X 1' 11"
MATERIALS: SBR RUBBER, HOT-DIP
GALVANIZED STEEL
COLOR: BLACK
CONTACT: MELISSA GUFFEY
(317)201-7056

6 STEPPING POD, 2'
SCALE: NTS

MANUFACTURER: KOMPAN
PRODUCT: SPINNER BOWL
DIMENSIONS: 1' 8" X 1' 10" X 1' 12"
MATERIALS: RECYCLABLE PE,
HOT-DIP GALVANIZED STEEL
COLOR: DARK TEAL
CONTACT: MELISSA GUFFEY
(317)201-7056

10 SPINNER BOWL
SCALE: NTS

MANUFACTURER: KOMPAN
PRODUCT: 3 SEAT SWING
DIMENSIONS: 21' 11" X 6' 0" X 8' 4"
MATERIALS: HOT-DIP GALVANIZED
STEEL, STAINLESS STEEL
COLOR: BLACK
CONTACT: MELISSA GUFFEY
(317)201-7056

13 3 SEAT SWING
SCALE: NTS

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Planning Civil Landscape
5022 ROCKVILLE ROAD
INDIANAPOLIS, IN 46224
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CLIENT / OWNER
CITY OF TERRE HAUTE

PROJECT NAME
HERZ ROSE PARK

PROJECT LOCATION
1515 Locust St.
Terre Haute, IN
47807

MEP
SIMS-DURKIN ASSOCIATES
5755 W. 74th St.
Indianapolis, IN, 46278-1755
p 317.209.4035

SPLASH PAD
FOUNTAIN PEOPLE
4600 Hwy. 123
San Marcos, TX, 78666
p 770.366.3302

CERTIFIED BY:
DAVID WAYNE COUNSELL
REGISTERED
PE 11700768
STATE OF
INDIANA
PROFESSIONAL ENGINEER
07-08-2024

100% BID DOCUMENTS

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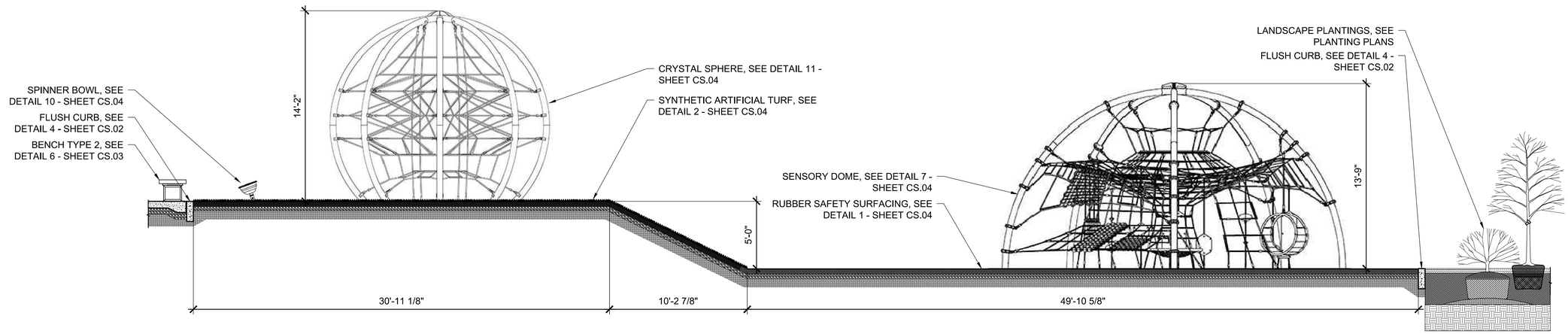
KEYMAP:

ISSUE DATE
07.08.2024

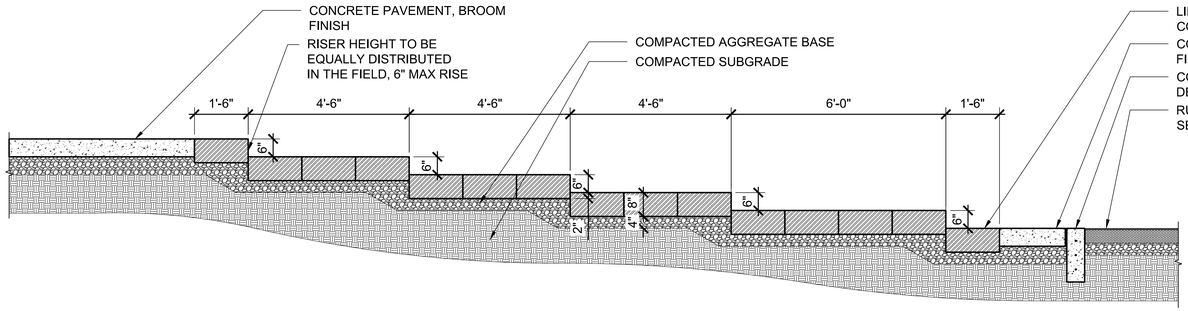
PROJECT NUMBER
23-005

SHEET NAME
PLAY EQUIPMENT

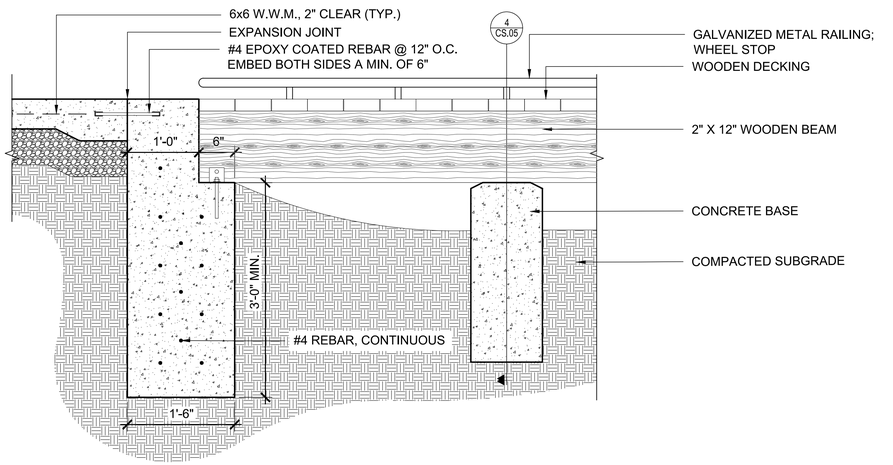
SHEET NUMBER
CS.04



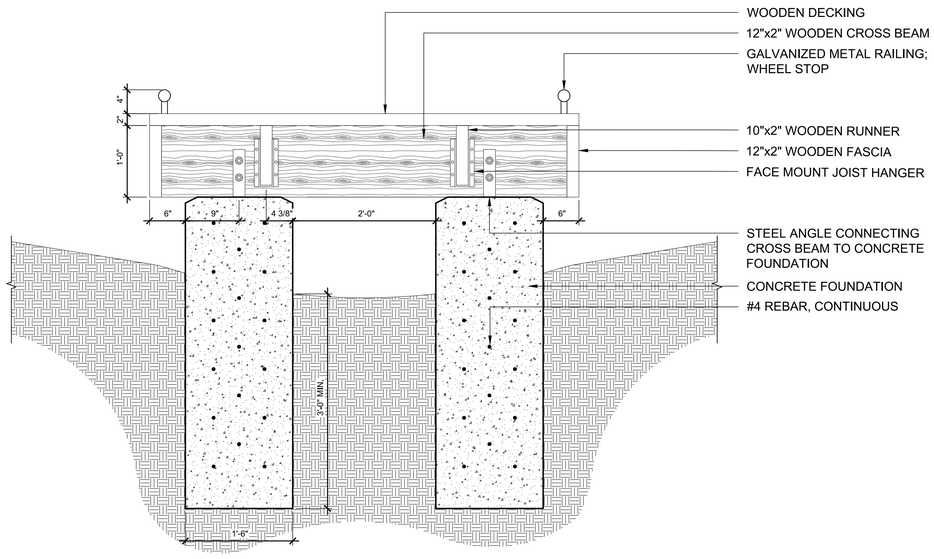
1 PLAYGROUND CROSS SECTION
SCALE: 1/4" = 1'-0"



2 LIMESTONE STEPPING STONES
SCALE: 1/2" = 1'-0"



3 WOODEN BOARDWALK (BASIS OF DESIGN)
SCALE: 1" = 1'-0"



4 WOODEN BOARDWALK CROSS SECTION (BASIS OF DESIGN)
SCALE: 1/2" = 1'-0"

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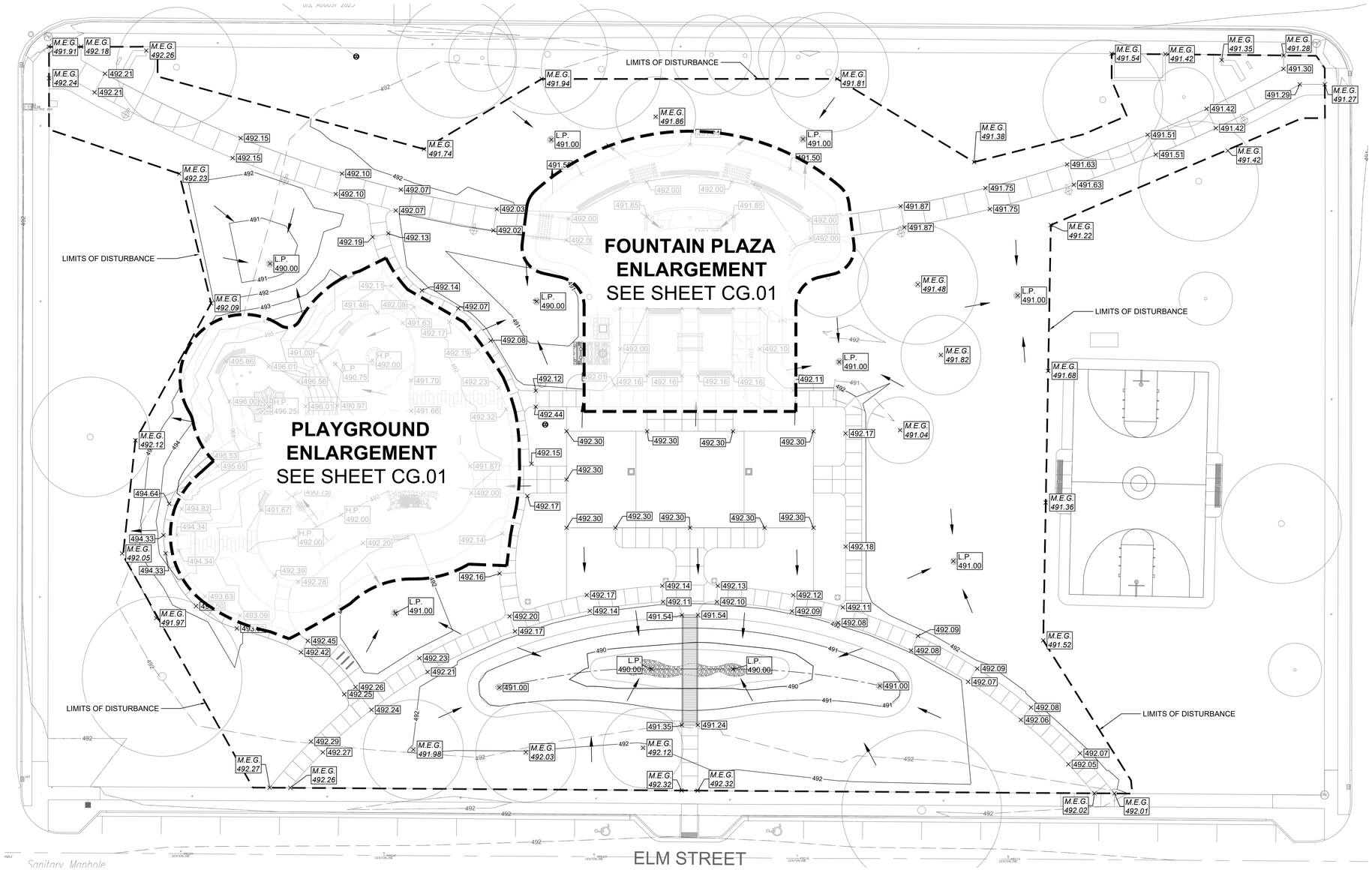
23-005

SHEET NAME
SECTION DETAILS

SHEET NUMBER
CS.05



1 OVERALL GRADING PLAN
SCALE: 1" = 20'-0"

PLAN

0 20' 40'

SCALE IN FEET

GRADING PLAN NOTES

1. CONTRACTOR SHALL ENSURE THAT POSITIVE DRAINAGE IN IMPROVED AREAS IS ACHIEVED. CONTRACTOR TO TEST AND CORRECT ANY "BIRD BATH" CONDITIONS.
2. ALL SLOPES SHALL BE 3:1 OR FLATTER, UNLESS OTHERWISE SHOWN.
3. ALL GRADES AT THE PROJECT BOUNDARY OR PROPERTY LINE SHALL MEET EXISTING GRADES.
4. BUILDING PAD AREAS AND PAVED AREAS DESIGNATED FOR FILL SHALL BE CONSTRUCTED OF SUITABLE FILL MATERIAL AND COMPACTED PER SPECIFICATIONS. ALL FILL AREAS ARE TO BE STRIPPED OF TOPSOIL PRIOR TO PLACEMENT OF FILL.
5. ANY EXCESS SOIL MATERIAL SHALL BE EXPORTED FROM THE SITE AFTER CONSTRUCTION IS COMPLETE.
6. CONTOURS ARE SHOWN AS A REFERENCE TO MEET JURISDICTIONAL REQUIREMENTS. CONTRACTOR SHOULD GRADE SITE PER THE PROPOSED SPOT GRADE ELEVATIONS.

GRADING LEGEND

M.E.G.	MATCH EXISTING GRADE
640.00	SPOT ELEVATION
TC 643.50 EP 643.00	TOP OF CURB EDGE OF PAVEMENT
101	PROPOSED MINOR CONTOUR
100	PROPOSED MAJOR CONTOUR
	LIMITS OF DISTURBANCE
	DRAINAGE ARROW
	SWALE CENTERLINE

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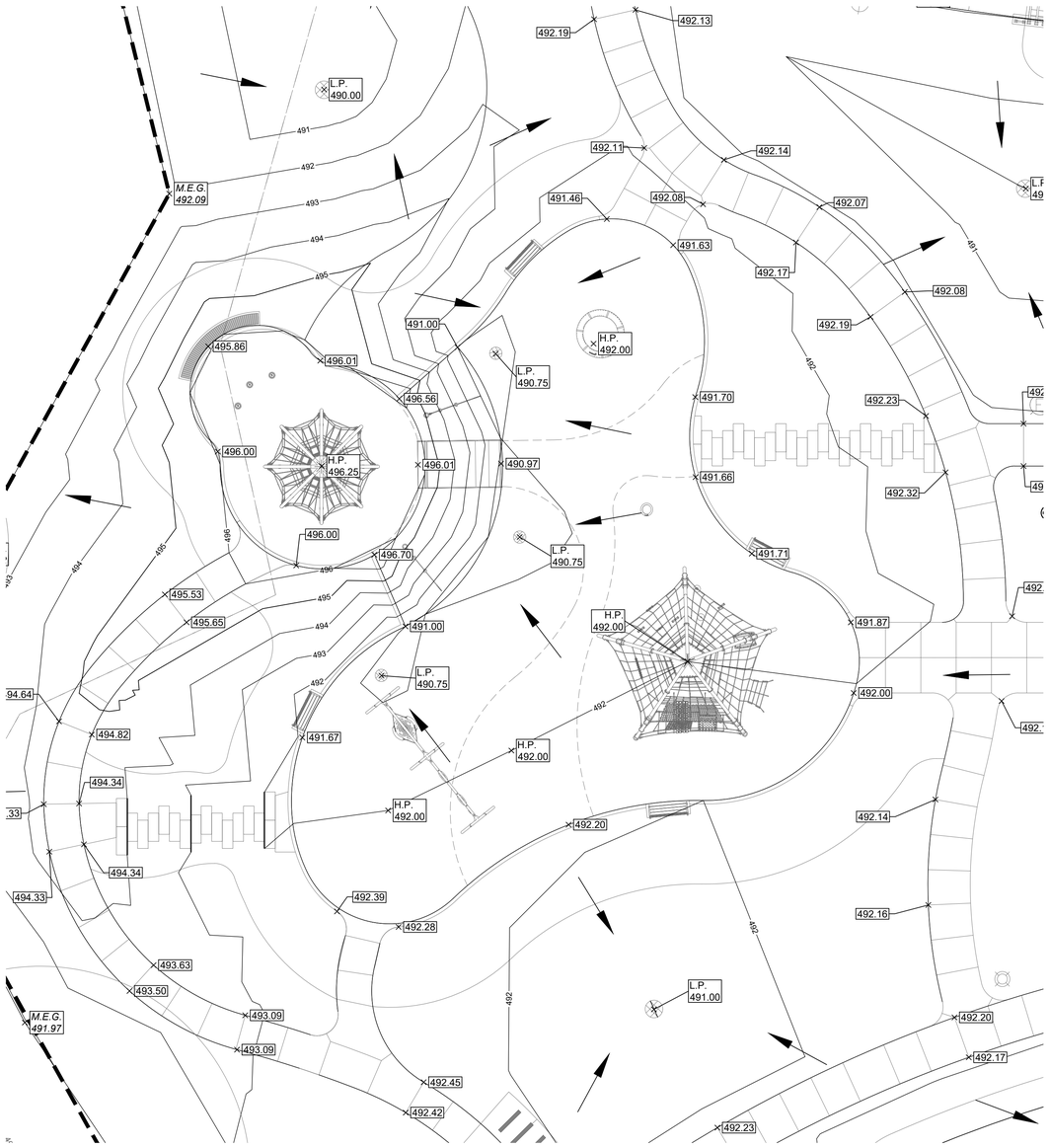
SHEET NAME
OVERALL GRADING PLAN

SHEET NUMBER
CG.00



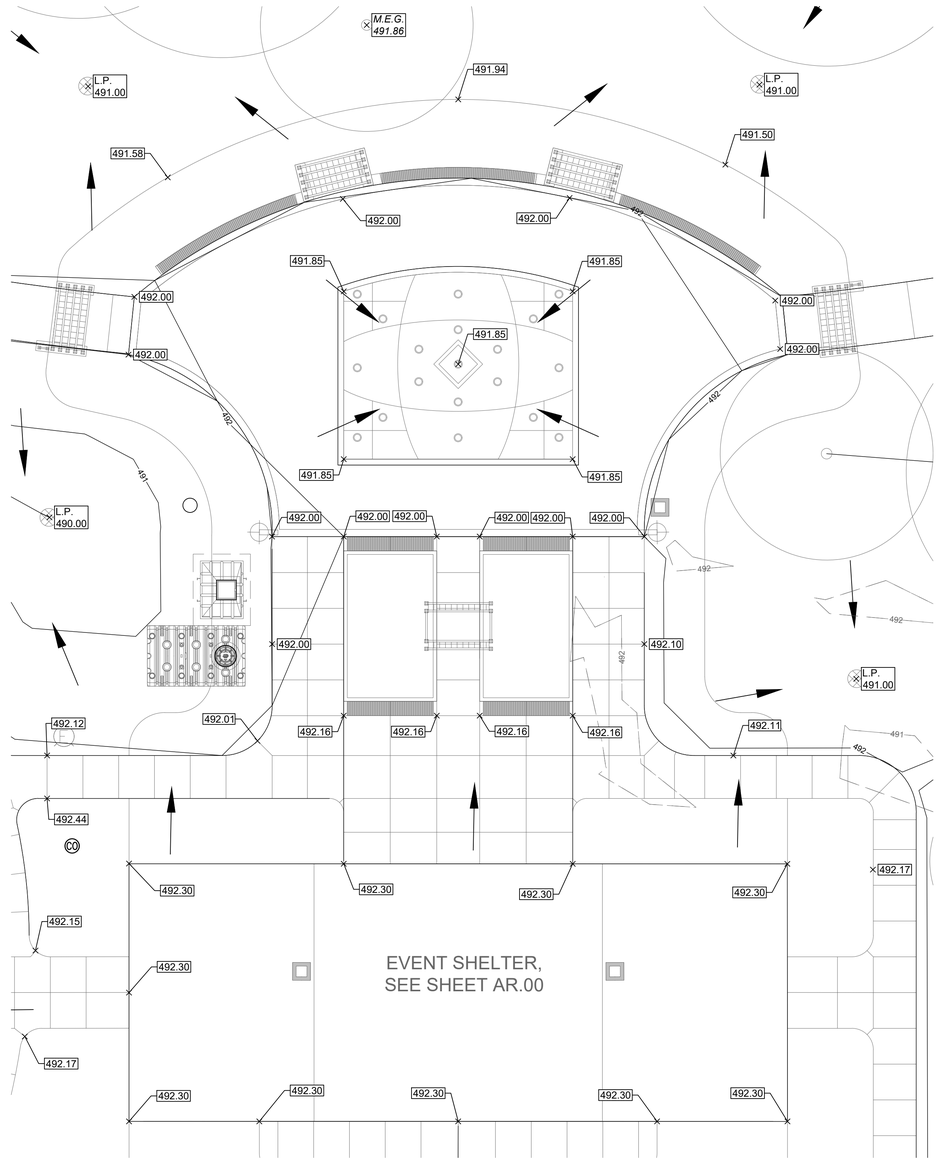
1 GRADING PLAYGROUND ENLARGEMENT

SCALE: 1" = 10'-0"

PLAN

0 10' 20'

SCALE IN FEET



2 GRADING PLAZA ENLARGEMENT

SCALE: 1" = 10'-0"

PLAN

0 10' 20'

SCALE IN FEET

GRADING PLAN NOTES

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3. ALL GRADES AT THE PROJECT BOUNDARY OR PROPERTY LINE SHALL MEET EXISTING GRADES.
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5. ANY EXCESS SOIL MATERIAL SHALL BE EXPORTED FROM THE SITE AFTER CONSTRUCTION IS COMPLETE.
6. CONTOURS ARE SHOWN AS A REFERENCE TO MEET JURISDICTIONAL REQUIREMENTS. CONTRACTOR SHOULD GRADE SITE PER THE PROPOSED SPOT GRADE ELEVATIONS.

GRADING LEGEND

M.E.G.	MATCH EXISTING GRADE
640.00	SPOT ELEVATION
TC 643.50 EP 643.00	TOP OF CURB EDGE OF PAVEMENT
101	PROPOSED MINOR CONTOUR
100	PROPOSED MAJOR CONTOUR
	LIMITS OF DISTURBANCE
	DRAINAGE ARROW
	SWALE CENTERLINE

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Planning Civil Landscape

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INDIANAPOLIS, IN 46224
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San Marcos, TX, 78666
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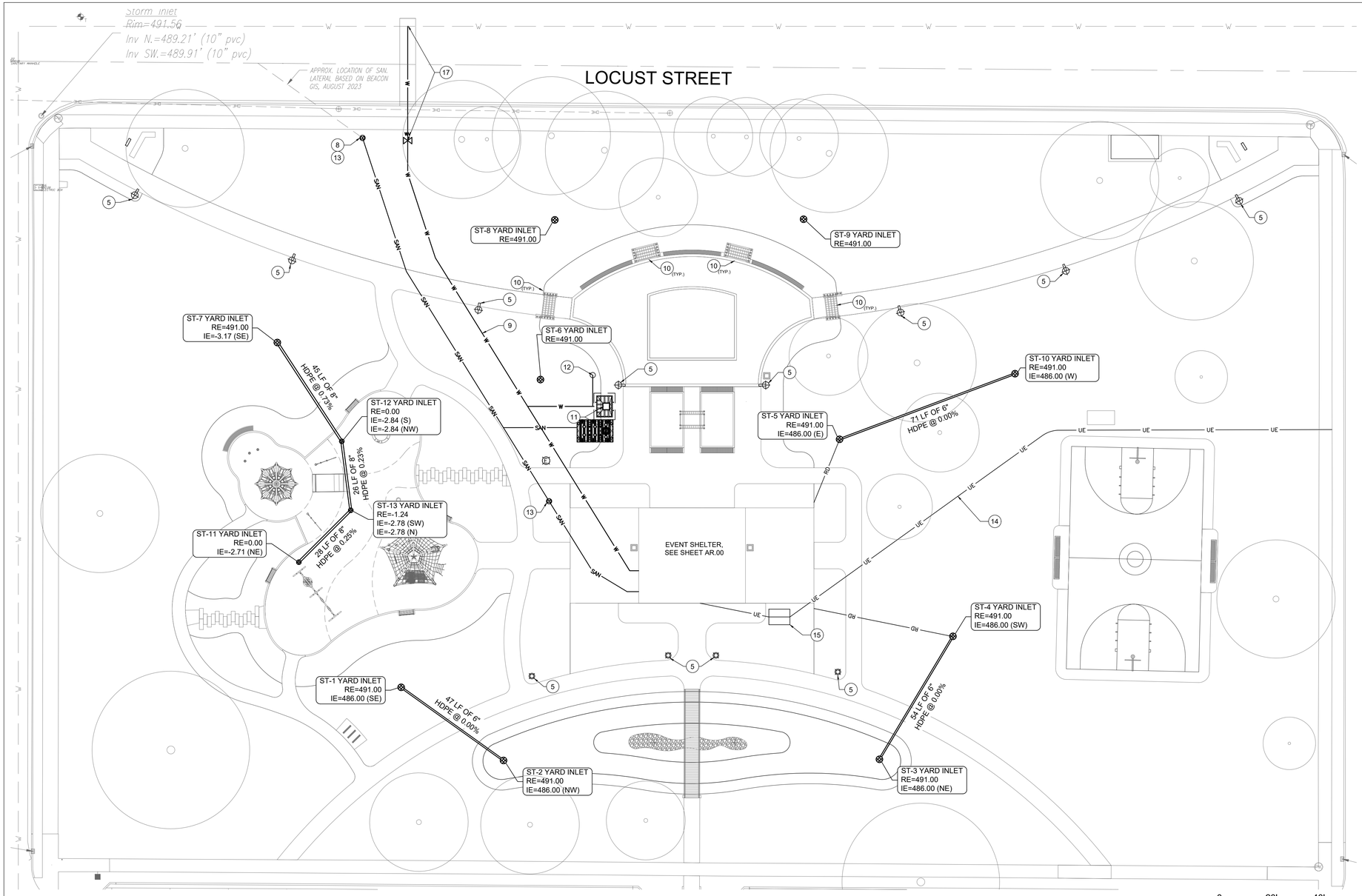
23-005

SHEET NAME
GRADING PLAN ENLARGEMENTS

SHEET NUMBER
CG.01



1 OVERALL UTILITY PLAN
SCALE: 1" = 20'-0"

PLAN

SCALE IN FEET

UTILITY PLAN NOTES

1. CONTRACTOR SHALL COORDINATE ANY OUTAGES IN SERVICE WITH THE OWNER AND UTILITY COMPANY DURING CONSTRUCTION.
2. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 72 HOURS PRIOR TO CONSTRUCTION TO VERIFY UTILITIES THAT MIGHT BE PRESENT ON SITE.
3. THE CONTRACTOR IS REQUIRED TO PROVIDE ADEQUATE SHEETING, SHORTING, AND DEWATERING IN ALL TRENCHES AND EXCAVATIONS AS NECESSARY IN ACCORDANCE WITH OSHA; AND IS SOLELY RESPONSIBLE FOR THE SAFETY OF SHEETING, SHORING, AND DEWATERING.
4. WHEN CONNECTIONS ARE TO BE MADE TO EXISTING PIPING AND STRUCTURES OR WHERE CONSTRUCTION IS IN THE VICINITY OF EXISTING PIPING, THE LOCATION AND ELEVATION OF THE EXISTING PIPING AND STRUCTURES SHALL BE FIELD VERIFIED BY THE CONTRACTOR. IF ANY DISCREPANCIES ARE FOUND, THEN THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
5. ALL WORK SHALL BE PERFORMED IN A SAFE MANNER. ALL SAFETY RULES AND GUIDELINES OF O.S.H.A. SHALL BE FOLLOWED. THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR ANY INJURIES TO HIS EMPLOYEES, AND ANY DAMAGE TO PRIVATE PROPERTY OR PERSONS DURING THE COURSE OF THIS PROJECT.
6. REFER TO SHEET CU.01 FOR PROPOSED UTILITY DETAILS REFERENCED.
7. CONTRACTOR SHALL ADJUST WATER MAIN ALIGNMENT AND DEFLECT JOINTS AS NECESSARY TO ACCOMMODATE THE STANDARD BENDS SHOWN.
8. MEASUREMENTS AND SLOPES SHOWN ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
9. QUANTITIES PROVIDED ARE ESTIMATES AND SHALL BE CONFIRMED BY THE CONTRACTOR.

UTILITY PLAN KEYNOTES & LEGEND

1. CONNECT TO EXISTING STORM STRUCTURE
2. PROTECT: EXISTING POWER POLES TO REMAIN
3. PROTECT: EXISTING STORM TO REMAIN
4. PROTECT: EXISTING OVERHEAD UTILITIES TO REMAIN
5. OVERHEAD LIGHTING, SEE SHEET CS.## - DETAIL #
6. BOLLARD LIGHTING, SEE SHEET CS.## - DETAIL #
7. POWER PEDESTAL
8. CONNECT 6" PVC SANITARY SERVICE TO EX. LATERAL (LOCATION APPROX.), CONTRACTOR SHALL EXPOSE ON SITE AND REPORT DEPTH TO ENGINEER OF RECORD
9. 3" PVC WATER SERVICE
10. ART FEATURE ARCH WITH LIGHTING, SEE ELECTRICAL PLANS
11. CIRCULATING SPLASH PAD PUMP AND TANK, REFER TO MEP PLANS FOR WATER AND SANITARY CONNECTIONS
12. YARD HYDRANT
13. SANITARY CLEANOUT
14. APPROX LOCATION FOR UNDERGROUND ELECTRIC, SEE MEP PLANS
15. APPROX LOCATION OF TRANSFORMER & PAD, SEE MEP PLANS
16. CONNECT TO EXISTING POWER, SEE MEP PLANS
17. WATER SERVICE TAP AND VALVE, PER CITY REQUIREMENTS

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INDIANAPOLIS, IN 46224
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CLIENT / OWNER
CITY OF TERRE HAUTE

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HERZ ROSE PARK

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1515 Locust St.
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5755 W. 74th St.
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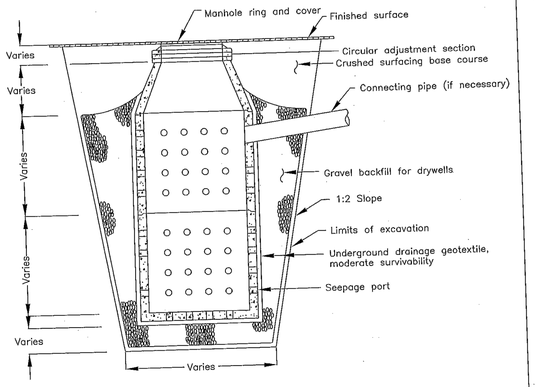
SHEET NAME
OVERALL UTILITY PLAN

SHEET NUMBER
CU.00

6.3

DRYWELL

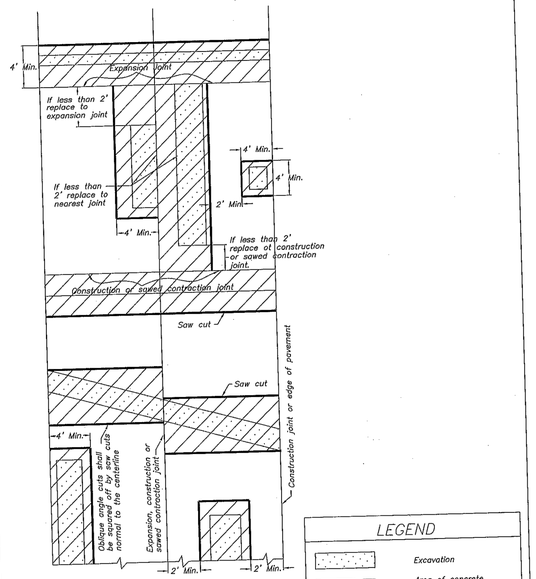


Note: All dimensions vary based on design

37

6.8

PAVEMENT REPLACEMENT DETAIL



PAVEMENT REPLACEMENT DETAIL

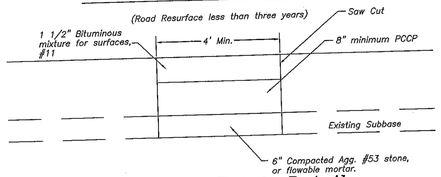
LEGEND

- Excavation
- Area of concrete pavement to be replaced
- Saw Cut 2" Depth Min.

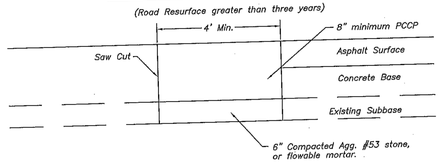
43

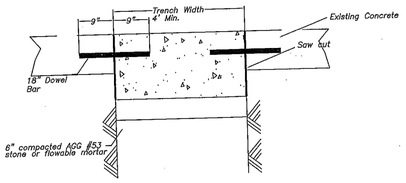
6.9

ASPHALT PATCH DETAIL



Concrete Patch Detail





CONCRETE PATCH DETAIL

44

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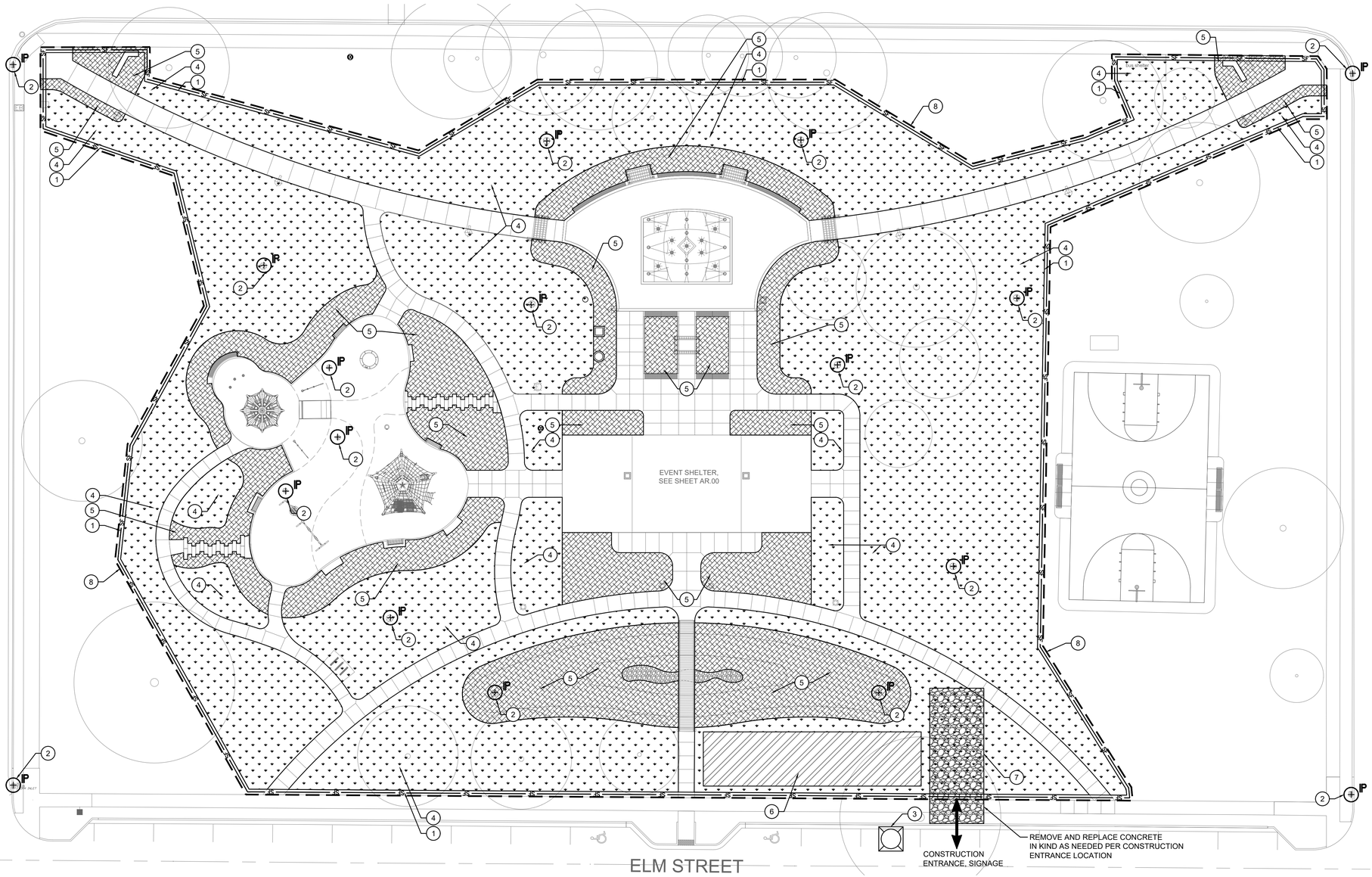
PROJECT NUMBER
23-005

SHEET NAME
UTILITY AND TRENCHING DETAILS

SHEET NUMBER
CU.01



1 EROSION CONTROL PLAN
SCALE: 1" = 20'-0"

PLAN

EROSION CONTROL PLAN NOTES

1. ALL DIMENSIONS SHOWN ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.
2. DO NOT SCALE DRAWINGS. UTILIZE DIMENSIONS INDICATED ON THE PLANS.
3. ALL DIMENSIONS ARE TO THE EDGE OF PAVEMENT, FACE OF WALL, OR FACE OF CURB UNLESS OTHERWISE NOTED.
4. WALKWAYS AND HARDSCAPE ELEMENTS INDICATED AS CURVILINEAR SHALL HAVE SMOOTH CONTINUOUS CURVES.
5. UNLESS INDICATED OTHERWISE, ALL WALKWAYS ABUT AT 90 DEGREE ANGLES.
6. ALL CONCRETE SCORING SHALL BE PARALLEL, PERPENDICULAR OR TANGENT TO ADJACENT IMPROVEMENTS UNLESS OTHERWISE NOTED.
7. PROVIDE ISOLATION JOINTS WHERE CONCRETE PAVING OR PAVING BASE MEETS A FIXED STRUCTURE (EXISTING AND PROPOSED).
8. PROVIDE FLUSH CONDITIONS AT JUNCTURE OF ALL WALKWAYS.
9. CONTROL JOINTS SHALL BE EQUALLY DISTRIBUTED ACROSS CONCRETE SURFACE AND SPACED 5 FOOT APART MAX, AS INDICATED ON DRAWINGS.

EROSION CONTROL PLAN KEYNOTES & LEGEND

1. SILT FENCING, SEE DETAIL 1 - SHEET CJ.01
2. INLET PROTECTION, SEE DETAIL 2 - SHEET CJ.01
3. CONCRETE WASHOUT, SEE DETAIL 4 - SHEET CJ.01
4. PERMANENT GRASS SEEDING
5. LANDSCAPE BED, REFER TO PLANTING PLANS
6. CONSTRUCTION STAGING
7. CONSTRUCTION ENTRANCE, SEE DETAIL 5 - SHEET CJ.01
8. PROJECT LIMITS

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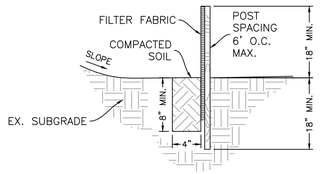
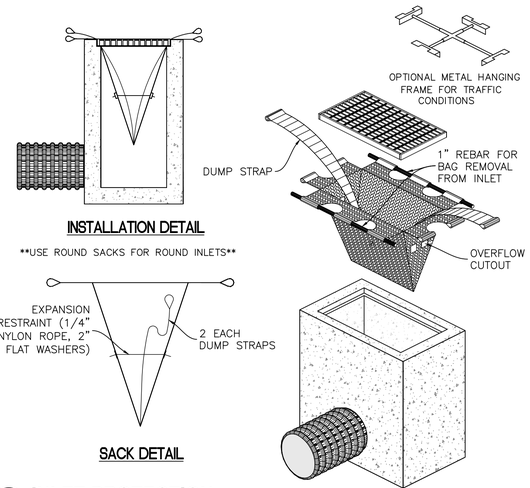
SHEET NAME
EROSION CONTROL PLAN

SHEET NUMBER
CJ.00



1 SILT FENCE
NTS

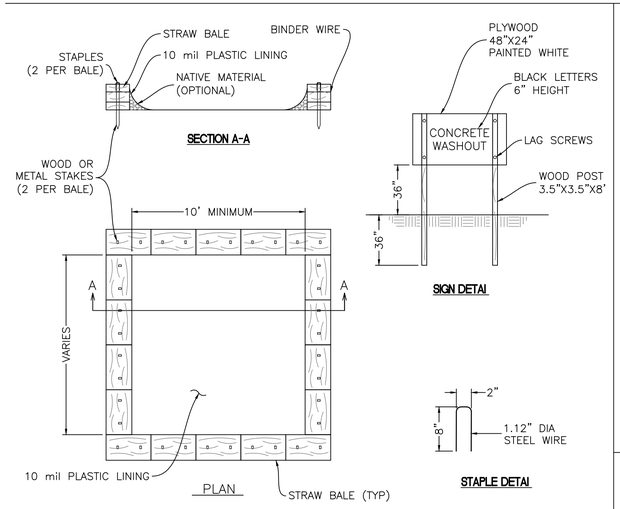


INSTALLATION DETAIL

USE ROUND SACKS FOR ROUND INLETS

SACK DETAIL

2 INLET PROTECTION
NTS



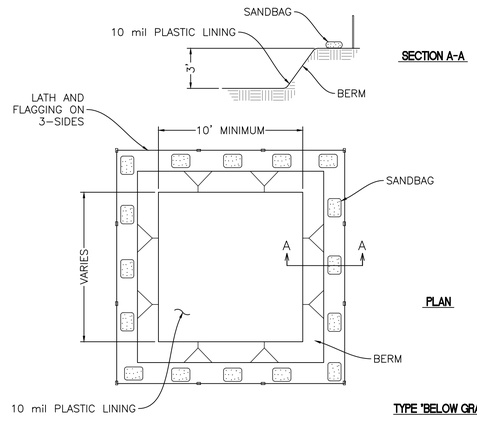
TYPE 'ABOVE GRADE' WITH STRAW BALES

SIGN DETAI

STAPLE DETAI

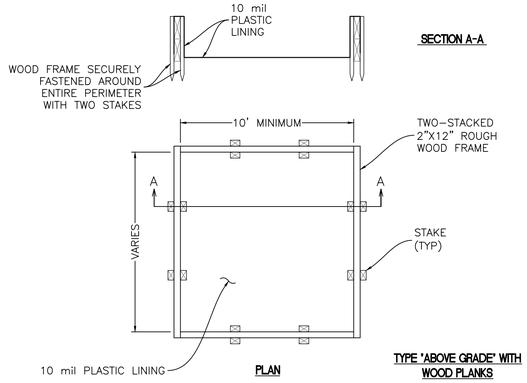
NOTES
1. ACTUAL LAYOUT TO BE DETERMINED IN THE FIELD.
2. A CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
3. MATERIALS USED TO CONSTRUCT TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE REMOVED FROM THE SITE OF THE WORK AND DISPOSED OF OR RECYCLED.
4. HOLES, DEPRESSIONS OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITY SHALL BE BACKFILLED, REPAIRED, AND STABILIZED TO PREVENT EROSION.

4 CONCRETE WASHOUT
NTS



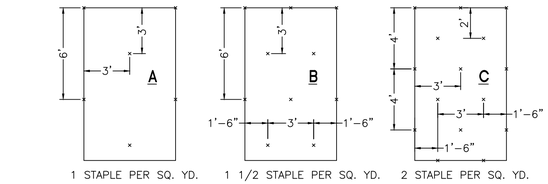
PLAN

TYPE 'BELOW GRADE'

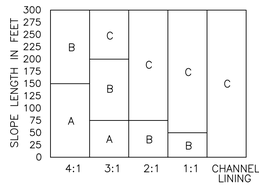


PLAN

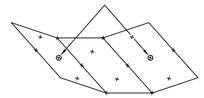
TYPE 'ABOVE GRADE' WITH WOOD PLANKS



1 STAPLE PER SQ. YD. 1 1/2 STAPLE PER SQ. YD. 2 STAPLE PER SQ. YD.



SLOPE GRADIENT



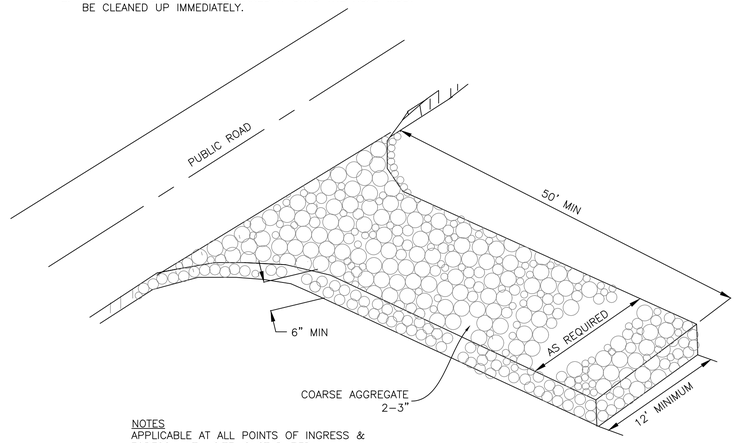
CHANNEL LININGS UTILIZE STAPLE PATTERN "C" WITH ADDITIONAL STAPLES ON SIDE SLOPES.

STAPLE PATTERNS
(GENERAL STAPLE RECOMMENDATIONS ADDITIONAL STAPLES AS REQUIRED)

NOTES
1. STAPLE PATTERNS APPLY TO ALL NORTH AMERICAN GREEN EROSION BLANKETS.
2. STAPLE PATTERNS MAY VARY DEPENDING UPON SOIL TYPE AND AVERAGE ANNUAL RAINFALL.
3. AT SLOPE LENGTHS GREATER THAN 300 FEET OR WHERE DRAINAGE OVER LARGE AREAS IS DIRECTED ONTO BLANKETS, STAPLE PATTERN "C" SHOULD BE UTILIZED.
4. CHANNEL LININGS REQUIRE A 2' (MIN.) OVERLAP AT LONGITUDINAL JOINTS AND SIDE SLOPES REQUIRE A 6" (MIN.) OVERLAP. WHERE OVERLAPS OCCUR, THE UPSTREAM BLANKET SHALL OVERLAP THE DOWNSTREAM.
5. IF OTHER THAN NORTH AMERICAN GREEN EROSION CONTROL BLANKETS ARE INSTALLED FOLLOW THE INSTALLATION DIRECTIONS RECOMMENDED BY THAT MANUFACTURER.

3 EROSION CONTROL BLANKET
NTS

NOTES
A. GRAVEL PAD TO BE 12'x50' AND 6" THICK MINIMUM
B. TURNING RADIUS SUFFICIENT TO ACCOMMODATE LARGE TRUCKS IS TO BE PROVIDED.
C. ENTRANCE(S) SHOULD BE LOCATED TO PROVIDE FOR MAXIMUM UTILITY BY ALL CONSTRUCTION VEHICLES.
D. MUST BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR DIRECT FLOW OF MUD ONTO STREETS. PERIODIC TOPDRESSING WITH STONE WILL BE NECESSARY; KEEP SOME HANDY.
E. ANY MATERIAL WHICH STILL MAKES IT ONTO THE ROAD MUST BE CLEANED UP IMMEDIATELY.



NOTES
APPLICABLE AT ALL POINTS OF INGRESS & EGRESS UNTIL SITE IS STABLIZED. FREQUENT CHECKS OF THE DEVICE AND TIMELY MAINTTENANCE MUST BE PROVIDED.

5 CONSTRUCTION ENTRANCE
NTS

Land Stewards Design Group
Planning Civil Landscape
5022 ROCKVILLE ROAD
INDIANAPOLIS, IN 46224
LANDSTEWARDSDG.COM

CLIENT / OWNER
CITY OF TERRE HAUTE

PROJECT NAME
HERZ ROSE PARK

PROJECT LOCATION
1515 Locust St.
Terre Haute, IN
47807

MEP
SIMS-DURKIN ASSOCIATES
5755 W. 74th St.
Indianapolis, IN, 46278-1755
p 317.209.4035

SPLASH PAD
FOUNTAIN PEOPLE
4600 Hwy. 123
San Marcos, TX, 78666
p 770.366.3302

CERTIFIED BY:
DAVID WAYNE COUNSELL - REGISTERED - PE 11700768 - STATE OF INDIANA - PROFESSIONAL ENGINEER
07-08-2024

100% BID DOCUMENTS

NO.	REVISION	DATE

KEYMAP:

ISSUE DATE
07.08.2024

PROJECT NUMBER
23-005

SHEET NAME
EROSION CONTROL DETAILS

SHEET NUMBER
CJ.01

ASSESSMENT OF CONSTRUCTION PLAN ELEMENTS:

A1 PLAN INDEX IS PROVIDED ON THE COVER SHEET.

A2 REFER TO PLAN SHEETS CS.00 TO CU.00 FOR PROPOSED IMPROVEMENTS.

A3 PROJECT DESCRIPTION
THIS PROJECT INCLUDES THE REDEVELOPMENT OF AN EXISTING 3-ACRE PARK. THE PROJECT ADDS A LARGER STRUCTURE WITH ASSOCIATED UTILITY SERVICES, A LARGE PLAYGROUND, VARIOUS HARDSCAPE AREAS AND SIDEWALKS, SECURITY LIGHTING, AND A VARIETY OF LANDSCAPE PLANTINGS. A NEW STORMWATER SYSTEM WILL BE INSTALLED TO CAPTURE, STORE, AND RELEASE ONSITE DRAINAGE.

A4 VICINITY MAP
A VICINITY MAP IS PROVIDED ON THE COVER SHEET.

A5 LEGAL DESCRIPTION OF PLAT
THE SITE IS APPROXIMATELY LOCATED AT LATITUDE 39.477086, AND LONGITUDE -87.391873 IN THE NE CORNER OF SECTION 22, TOWNSHIP 12N, RANGE 9W.

A6 LOCATION OF ALL LOTS AND PROPOSED SITE IMPROVEMENTS
THE PROJECT WORK CAN BE SEEN ON SHEETS CS.00 TO CU.00 IN THE LAYOUT SECTION.

A7 HYDROLOGIC UNIT CODE
05120111

A8 STATE OR FEDERAL WATER QUALITY PERMITS
THE TOTAL LAND DISTURBANCE IS GREATER THAN ONE ACRE FOR THIS PROJECT, THUS THE PROJECT WILL REQUIRE A CONSTRUCTION STORMWATER GENERAL PERMIT, WHICH THE CONTRACTOR SHALL OBTAIN.

A9 IDENTIFICATION OF STORM WATER DISCHARGES
THE PROJECT INFILTRATES INTO NATIVE SOILS BELOW THE SITE.

A10 NEARBY WATERCOURSES AND LAKES
THE PROJECT INFILTRATES INTO NATIVE SOILS BELOW THE SITE. THERE ARE NO RIVERS, STREAMS, OR WATERCOURSES WITHIN A MILE OF THE SITE.

A11 RECEIVING WATERS
THE PROJECT INFILTRATES INTO NATIVE SOILS BELOW THE SITE, RECHARGING THE GROUNDWATER TABLE.

A12 POTENTIAL DISCHARGES TO GROUNDWATER
THE ENTIRE SITE DISCHARGES INTO NATIVE SOIL AND THUS THE GROUNDWATER TABLE.

A13 100 YEAR FLOODPLAINS, FLOODWAYS, AND FLOODWAY FRINGES
THE SITE IS NOT LOCATED WITHIN THE 100-YR FLOODPLAIN OR FLOODWAY PER FIRM #18167C0132C, DATED FEB, 2011.

A14 STORM WATER RUNOFF DISCHARGE SUMMARY
THE PROPOSED SITE WILL DRAIN INTO A NEW UNDERGROUND STORM SYSTEM CONSISTING OF PVC PIPE AND CONCRETE DRY WELL STRUCTURES. ALL DISCHARGES ARE TO GROUNDWATER.

10-YR PEAK DISCHARGES (CFS)	PRE-DEVELOPMENT	POST-DEVELOPMENT
TOTAL	8.39 CFS	4.71 CFS

A15 ADJACENT LAND USE
NORTH: RESIDENTIAL (R2)
SOUTH: RESIDENTIAL (R2)
WEST: RESIDENTIAL (R2)
EAST: RESIDENTIAL (R2)

A16 LOCATIONS & APPROXIMATE BOUNDARIES OF DISTURBED AREAS
THE PROPOSED CONSTRUCTION LIMITS AND DISTURBED AREAS ARE SHOWN ON THE OVERALL EROSION CONTROL PLAN SHEET, SHEET CJ.00.

A17 EXISTING VEGETATIVE COVER
THE EXISTING SITE IS PRIMARILY GRASS-COVERED RECREATIONAL PARK AREA WITH SIDEWALKS AND A SMALL SHELTER. REFER TO SHEET CD.00 FOR EXISTING SURFACE DETAILS.

A18 SITE SOILS INFORMATION
SEE SOILS MAP AND SOIL TYPE DESCRIPTIONS ON THIS SHEET.

A19 STORM SEWER SYSTEM
THE LOCATIONS, SIZES AND DIMENSIONS OF THE STORM SEWER ARE SHOWN ON UTILITY PLAN SHEETS CU.00.

A20 OFF SITE CONSTRUCTION ACTIVITIES
THERE IS NO OFFSITE CONSTRUCTION FOR THIS PROJECT.

A21 LOCATIONS OF SOIL STOCKPILES
SOIL STOCKPILING IS NOT ANTICIPATED ON THIS PROJECT.

A22 EXISTING SITE TOPOGRAPHY
REFER TO SHEET CD.00 FOR EXISTING SITE TOPOGRAPHY.

A23 PROPOSED SITE TOPOGRAPHY
THE PROPOSED SITE WILL DRAIN INWARDLY INTO DRY SELL STRUCTURES WITH 1-2.0% SLOPES, EXCEPT FOR THE PLAYGROUND AREA WHICH WILL HAVE MUCH STEEPER SLOPES WITH NATURAL AND STRUCTURAL STABILIZATION MEASURES. AREAS OUTSIDE OF THE PROJECT LIMITS OF DISTURBANCE WILL MIMIC THE ORIGINAL SLOPE AND DRAINAGE PATTERNS OF THE EXISTING SITE.

CONSTRUCTION COMPONENT

B1 CONSTRUCTION POTENTIAL POLLUTANT SOURCES
THE MAIN SOURCES OF POLLUTION DURING CONSTRUCTION WILL BE SILT, CONSTRUCTION MATERIALS, AND PETROLEUM PRODUCTS USED IN CONSTRUCTION EQUIPMENT. EROSION AND SEDIMENT CONTROL MEASURES WILL BE PUT IN PLACE BEFORE CONSTRUCTION BEGINS TO MINIMIZE THE POSSIBILITY OF SILT ENTERING STORMWATER. THE CONTRACTOR IS TO COVER ALL MATERIAL STORAGE AREAS BEFORE ANY EXPECTED RAINFALL EVENT TO PREVENT POLLUTION OF STORMWATER FROM CONSTRUCTION MATERIALS. THE CONTRACTOR IS TO MAINTAIN A FUELING AND SERVICING AREA TO MINIMIZE THE DANGER OF POLLUTANTS ENTERING STORMWATER FROM CONSTRUCTION EQUIPMENT.

B2 SEQUENCE OF STORMWATER QUALITY MEASURE IMPLEMENTATION
1. CONTRACTOR SHALL INSTALL A STONE CONSTRUCTION ENTRANCE OR SIMILAR DEVICE PRIOR TO THE START OF EARTHWORK AS NECESSARY TO PREVENT SOIL FROM BEING TRACKED OR WASHED INTO EXISTING ROADWAYS.
2. CONTRACTOR SHALL INSTALL ALL REQUIRED SILT FENCES, SILT TRAPS, TREE PROTECTION, AND INLET PROTECTION FOR EXISTING INLETS PRIOR TO THE START OF ANY EARTH MOVING OR STRIPPING.
3. LAND ALTERATIONS WHICH STRIP THE LAND OF VEGETATION SHALL BE DONE IN A WAY THAT WILL MINIMIZE EROSION. WHENEVER FEASIBLE, NATURAL VEGETATION SHALL BE RETAINED AND PROTECTED. AS GRADING IS DONE, INSTALL SILT WRAPS, SILT FENCES, SLOPE DRAINS, TEMPORARY DIVERSIONS, AND OTHER RUNOFF CONTROL MEASURES AT APPROPRIATE LOCATIONS TO KEEP SEDIMENT CONTAINED ON SITE.
4. ALL DISTURBED AREAS SHALL BE SEEDED AND STRAW MULCHED, AS SHOWN ON THE PLANS, IMMEDIATELY AFTER COMPLETION OF GRADING ACTIVITY.
5. TEMPORARY CONCRETE WASHOUT AREA SHALL BE INSTALLED AFTER ROUGH GRADING ACTIVITIES, BUT PRIOR TO ANY CONCRETE ACTIVITY ON SITE.
6. PERMANENT AND FINAL VEGETATION AND/OR STRUCTURAL STORMWATER POLLUTION PREVENTION DEVICES SHALL BE INSTALLED AS SOON AS POSSIBLE. THIS INCLUDES THE FULL CONSTRUCTION OF THE BIOSWALE IN THIS PROJECT.
7. ALL PERMENANT AND FINAL VEGETATION AND/OR STRUCTURAL STORMWATER POLLUTION PREVENTION DEVICES SHALL BE FULLY PROTECTED THROUGHOUT CONSTRUCTION FROM SITE RUNOFF AND DEBRIS UNTIL THE COMPLETION OF THE PROJECT AND FULL ESTABLISHMENT OF VEGETATION ON ALL SOIL SURFACES.
8. ALL STORM SEWER INLET PROTECTION DEVICES SHALL BE PUT IN PLACE AT THE TIME EACH INLET IS CONSTRUCTED.
9. CONTRACTOR SHALL MAINTAIN STORMWATER POLLUTION PREVENTION MEASURES AND DEVICES FROM THE BEGINNING OF THE CONSTRUCTION UNTIL SUCH A TIME THAT SOIL IS STABILIZED.
10. CONTRACTOR SHALL REMOVE AND DISPOSE OF THE TEMPORARY STORMWATER POLLUTION PREVENTION DEVICES ONCE THE RISK OF ONSITE EROSION AND THE SILTATION OF THE STREETS AND STORM SEWERS NO LONGER EXIST.
11. THESE GENERAL PROCEDURES MAY NOT COVER ALL SITUATIONS: REFER TO EROSION CONTROL PLAN SHEETS FOR SPECIFIC NOTES AND ADDITIONAL DETAILS.
12. STORMWATER POLLUTION PREVENTION IS TO COMPLY WITH INDIANA ADMINISTRATIVE CODE 327 AND RULE #5.
13. THE CONTRACTOR SHALL CONTROL THE POLLUTION OF AIR WITH DUST AND PARTICULATE MATTER BY WATERING THE SITE AT LEAST THREE TIMES A DAY, OR MORE, DEPENDING ON ATMOSPHERIC CONDITIONS, DURING CONSTRUCTION ACTIVITIES THAT WOULD GENERATE THE POLLUTION.

B3 STABILIZED CONSTRUCTION ENTRANCE
THE OWNER AND CONTRACTOR WILL DESIGNATE LOCATIONS FOR CONSTRUCTION ENTRANCES AS THE PROJECT PROGRESSES. THE INITIAL/SUGGESTED CONSTRUCTION ENTRANCE CAN BE SEEN ON THE EROSION CONTROL PLAN, SHEET CJ.00.

B4 SEDIMENT CONTROL MEASURES FOR SHEET FLOW AREAS
REFER TO THE EROSION CONTROL PLAN ON SHEET CJ.00 AND EROSION CONTROL DETAILS ON SHEET CJ.10.

B5 SEDIMENT CONTROL MEASURES FOR CONCENTRATED FLOW AREAS
NO CONCENTRATED SURFACE FLOWS ARE PLANNED WITH THIS PROJECT.

B6 STORM SEWER INLET PROTECTION MEASURES
REFER TO THE EROSION CONTROL PLAN ON SHEET CJ.00.

B7 RUNOFF CONTROL MEASURES
REFER TO THE EROSION CONTROL PLAN ON SHEET CJ.00.

B8 STORMWATER OUTLET PROTECTION MEASURES
REFER TO THE EROSION CONTROL PLAN ON SHEET CJ.00.

B9 GRADE STABILIZATION LOCATIONS
REFER TO THE EROSION CONTROL PLAN ON SHEET CJ.00.

B10 LOCATION, DIMENSIONS, SPECIFICATIONS AND DETAILS FOR STORMWATER QUALITY MEASURES
REFER TO THE EROSION CONTROL PLAN ON SHEET CJ.00.

B11 TEMPORARY SURFACE STABILIZATION MEASURES
REFER TO THE EROSION CONTROL PLAN ON SHEET CJ.00.

B12 PERMANENT SURFACE STABILIZATION MEASURES
REFER TO THE EROSION CONTROL PLAN ON SHEET CJ.00.

B13 MATERIAL HANDLING AND SPILL PREVENTION
MATERIAL HANDLING AND STORAGE ASSOCIATED WITH CONSTRUCTION ACTIVITY TO COMPLY WITH THE SPILL PREVENTION AND SPILL RESPONSE REQUIREMENTS IN 327 IAC 2-6.1. ABOVEGROUND STORAGE TANKS CONTAINING FUELS AND/OR HAZARDOUS MATERIALS ARE TO BE STORED APPROPRIATELY PER 327 IAC 2-10. DISPOSE OF CONTAMINATED SOILS, ABSORBENTS AND SPILL CLEANUP MATERIALS IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS. DO NOT USE WATER TO FLUSH SPILLED MATERIAL UNLESS AUTHORIZED BY A FEDERAL, STATE, OR LOCAL AGENCY. CONSULT A SPILL RESPONSE PROFESSIONAL TO ENSURE ALL APPROPRIATE AND REQUIRED STEPS HAVE BEEN TAKEN. DO NOT REMOVE CONTAMINATED MATERIAL FROM THE SITE UNTIL APPROVAL IS GIVEN BY EMERGENCY RESPONSE (WHEN EMERGENCY RESPONSE IS REQUIRED).

CONTACT 911 AND IDEM EMERGENCY RESPONSE (1-888-233-7745) FOR SPILLS.

CONCRETE WASHOUT AREAS WILL BE IN LOCATIONS DESIGNATED BY THE OWNER AND CONTRACTOR. THE CONTRACTOR WILL ENSURE NO WASTE MATERIALS ARE IMPROPERLY DISPOSED OF OR DISCHARGED TO A WATERWAY OR SEWERS. REFER TO INDOT STORM WATER MANAGENENT FIELD GUIDE (2018) FOR MORE DETAIL ON DISPOSAL FOR GENERAL TRASH, CONSTRUCTION DEBRIS, SEDIMENT-LADEN WATER, AND CONCRETE WASHOUTS.

EACH CONTRACTOR IS RESPONSIBLE TO PROVIDE LITTER CONTROL FOR TRASH GENERATED BY THEIR CREW. ALL TRASH INCLUDING BUT NOT LIMITED TO; SOLID WASTE, PAINT CANS, OIL CANS, USED OIL AND FILTERS WILL BE CONTAINED AND DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH THE LAWS AND REGULATIONS OF THE STATE OF INDIANA AND THE CITY OF NOBLESVILLE.

THE CONTRACTOR SHALL FURNISH AND MAINTAIN STORMWTER FACILITIES FOR THIS PROJECT. THE FACILITIES SHALL BE CLEANED AS NECESSARY AND THE WASTE MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH THE LAWS AND REGULATIONS OF THE STATE OF INDIANA AND THE CITY OF NOBLESVILLE.

B14 MONITORING AND MAINTENANCE GUIDELINES
STORMWATER POLLUTION PREVENTION MEASURES AND BMP'S SHOULD BE INSPECTED AT LEAST WEEKLY AND AFTER EACH STORM EVENT GREATER THAN 0.5" OF RAINFALL. ANY DEFICIENCIES IN COMPOSITION OR FUNCTIONALITY SHALL BE REMEDIED IMMEDIATELY. RECORDS OF INSPECTIONS SHALL BE KEPT ON SITE.

B15 PRACTICES FOR INDIVIDUAL BUILDING LOTS
THE EROSION AND SEDIMENT CONTROL PRACTICES PERTAIN TO THE ENTIRE PROJECT SITE. THERE ARE NO INDIVIDUAL BUILDING LOTS FOR THIS PROJECT.

POST CONSTRUCTION COMPONENTS

C1 POST CONSTRUCTION POTENTIAL POLLUTANT SOURCES
THE MAJORITY OF THE POST CONSTRUCTION POTENTIAL POLLUTANT SOURCES FOR THIS PROJECT ARE OIL, GREASE, ANTIFREEZE, BRAKE FLUID, BRAKE DUST, RUBBER FRAGMENTS, GASOLINE, AND OTHER HYDROCARBONS FROM VEHICLES. OTHER POTENTIAL POLLUTANTS INCLUDE SEDIMENT FROM WEARING OF THE ROAD SURFACE AND WASHING OR FALLING OFF OF VEHICLES, TRASH FROM LITTERING AND OTHER TYPES OF IMPROPER DISPOSAL AND STORAGE, AND ELEVATED RECEIVING WATER TEMPERATURES FROM STORMWATER RUNOFF CONTACT WITH IMPERVIOUS SURFACES. STORMWATER DISCHARGE WILL BE COMPLIANT WITH THE CONSTRUCTION STORMWATER GENERAL PERMIT.

C2 SEQUENCE DESCRIBING STORMWATER QUALITY MEASURE IMPLEMENTATION
CONSTRUCT EROSION CONTROL MEASURES BEFORE BEGINNING CONSTRUCTION. AFTER SUBSTANTIAL COMPLETION OF THE PROJECT HAS BEEN MET, THE TEMPORARY STORMWATER QUALITY MEASURES CAN BE REMOVED. THE SITE AND ADJACENT STREETS AND PROPERTY SHOULD BE CLEANED OF CONSTRUCTION DEBRIS AND SEDIMENT, AS NEEDED. SEDIMENT THAT HAS ACCUMULATED WITHIN THE STORMWATER DRAINAGE SYSTEM SHOULD BE REMOVED. ALL SEDIMENT THAT HAS ACCUMULATED WITHIN THE BIOSWALE SHALL BE FULLY REMOVED.

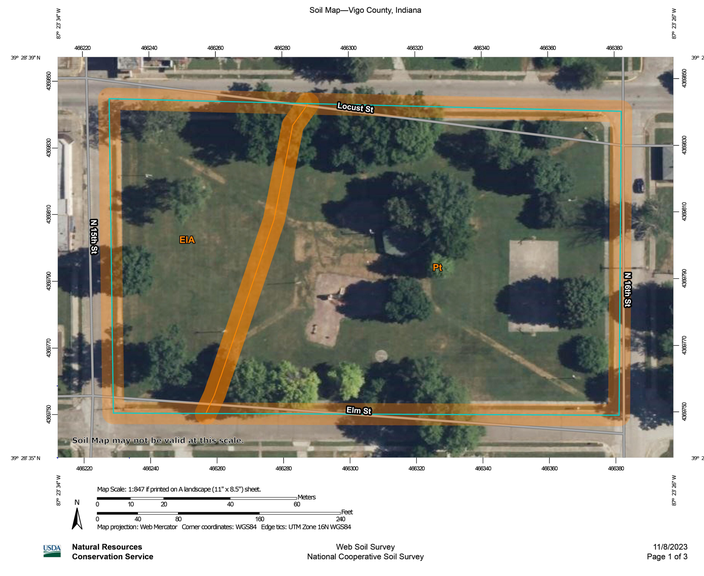
C3 POST CONSTRUCTION STORMWATER QUALITY MEASURES
ALL SLOPES SHALL BE STABILIZED WITH EROSION CONTROL BLANKETS WHILE VEGETATION IS BEING ESTABLISHED. THE BLANKET WILL BE LEFT IN PLACE TO BIODEGRADE INTO THE SOIL. INLET FILTERS WILL FILTER SEDIMENT, AND REMOVING FLOATABLES PRIOR TO OUTFALL. REFER TO EROSION CONTROL PLAN SHEET CJ.00 FOR PROPOSED PERMANANT FEATURES. REFER TO SHEET CU.00 AND CJ.00 FOR TEMPORARY AND PERMENANT EROSION CONTROL FEATURES.

C4 LOCATION, DIMENSIONS, SPECIFICATIONS & CONSTRUCTION DETAILS OF STORMWATER QUALITY MEASURES
SEEDING MEASURES ARE DESCRIBED ON THE PLAN SHEETS AND THE SPECIFICATIONS.

C5 POST CONSTRUCTION STORMWATER QUALITY MEASURES MAINTENANCE
NEWLY SEEDED AREAS WILL NEED TO BE MONITORED FOR RUTTING DURING RAINFALL EVENTS UNTIL THE VEGETATION IS ESTABLISHED. AREAS SHALL BE INSPECTED QUARTERLY. INLET FILTERS INSTALLED IN THE PARKING LOT SHALL BE INSPECTED FOR FUNCTION AFTER EVERY MAJOR RAIN EVENT, AND SHALL BE CLEANED NO LESS THAN EVERY 6 MONTHS OF DEBRIS AND SEDIMENT.

EROSION CONTROL NOTES:

1. ALL PROPOSED EROSION AND SEDIMENT CONTROL SHALL BE IN CONFORMANCE WITH THE CITY OF TERRE HAUTE STORMWATER TECHNICAL STANDARDS MANUAL, LATEST EDITION. DISCREPANCIES BETWEEN THE PLANS AND THE MANUAL SHALL NOT ALLEVIATE THE CONTRACTOR FOR ADHERING TO THE REQUIREMENTS AS SET FORTH IN THE MANUAL.
2. ADDITION EROSION AND SEDIMENT CONTROL MEASURE MAY BE REQUIRED BY THE CONSTRUCTION INSPECTOR.
3. WASTEWATER, SUCH AS CONCRETE WASHOUT SHALL BE COMPLETELY CONTAINED AND DISPOSED OF PROPERLY. NO WASTE WATER SHALL BE ALLOWED ON THE GROUND, IN A SEWER, IN A STREAM, OR ANY OTHER LOCATION WHERE IT IS NOT CONTAINED.
4. NO FILL MATERIAL, SUCH AS STONE FOR TEMPORARY CROSSINGS, CONSTRUCTION MATERIALS, DEMOLITION DEBRIS OR EQUIPMENT IS ALLOWED IN A WATERWAY WITHOUT THE APPROPRIATE PERMITS.
5. INLET PROTECTION MUST BE PROVIDED BY THE CONTRACTOR DURING MILLING OPERATIONS AND UNTIL THE SURFACE COURSE IS PLACED.
6. INLET PROTECTION MUST HAVE AN OVERFLOW, BE MAINTAINABLE WITHOUT DROPPING COLLECTED SEDIMENT AND OTHER POLLUTANTS INTO THE STORM SEWER AND NOT IMPEDE ACTIVE TRAFFIC.
7. NEW INLET CASTINGS SHALL BE INCLUDE THE WORDS "NO DUMPING, DRAINS TO STREAM" CAST IN RAISED OR RECESSED LETTERS AT A MINIMUM OF 1-INCH TEXT HEIGHT AND FISH SYMBOL.
8. POST CONSTRUCTION WATER QUALITY MEASURES SHALL NOT BE USED AS CONSTRUCTION SEDIMENT CONTROL MEASURES.
9. TWO-STAGE DITCH FILTRATION MATERIAL SHALL BE PROTECTED FROM SEDIMENTATION UNTIL SURFACES ARE STABLE.
10. SILT FENCE SHALL BE TRENCHED INTO THE GROUND, SHALL NOT BE LOCATED IN CONCENTRATED FLOW AREAS SUCH AS DITCHES AND SHALL BE PLACED PARALLEL TO THE CONTOUR.
11. CONSTRUCTION POLLUTION PREVENTION CONTROL SUCH AS EROSION CONTROL, SEDIMENT CONTROL AND STREAM DIVERSION OR PUMP-AROUNDS ARE REQUIRED TO PROTECT THE STORM SEWERS AND WATER BODIES FROM POLLUTANTS DURING ALL PHASES OF CONSTRUCTION.
12. DEWATERING WATER SHALL BE FILTERED PRIOR TO DISCHARGE INTO A STORM SEWER OR WATER BODY.
13. IF CONTAMINATED SOILS ARE ENCOUNTERED, "CONTAMINATED SOIL, REMOVE" SHALL BE PERFORMED IN ACCORDANCE TO INDOT SPECIFICATION 202.



Soil Map—Vigo County, Indiana

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
EIA	Elston sandy loam, 0 to 2 percent slopes	1.0	29.2%
Pt	Proctor silt loam	2.5	70.8%
Totals for Area of Interest		**3.5**	**100.0%**

Land Stewards Design Group
Planning Civil Landscape
5022 ROCKVILLE ROAD
INDIANAPOLIS, IN 46224
LANDSTEWARDSDG.COM

CLIENT / OWNER
CITY OF TERRE HAUTE

PROJECT NAME
HERZ ROSE PARK

PROJECT LOCATION
1515 Locust St.
Terre Haute, IN
47807

MEP
SIMS-DURKIN ASSOCIATES
5755 W. 74th St.
Indianapolis, IN, 46278-1755
p 317.209.4035

SPLASH PAD
FOUNTAIN PEOPLE
4600 Hwy. 123
San Marcos, TX, 78666
p 770.366.3302

CERTIFIED BY:
DAVID WAYNE COUNSELL
REGISTERED
PE 11700768
STATE OF
INDIANA
PROFESSIONAL ENGINEER
07-08-2024

100% BID DOCUMENTS

NO.	REVISION	DATE

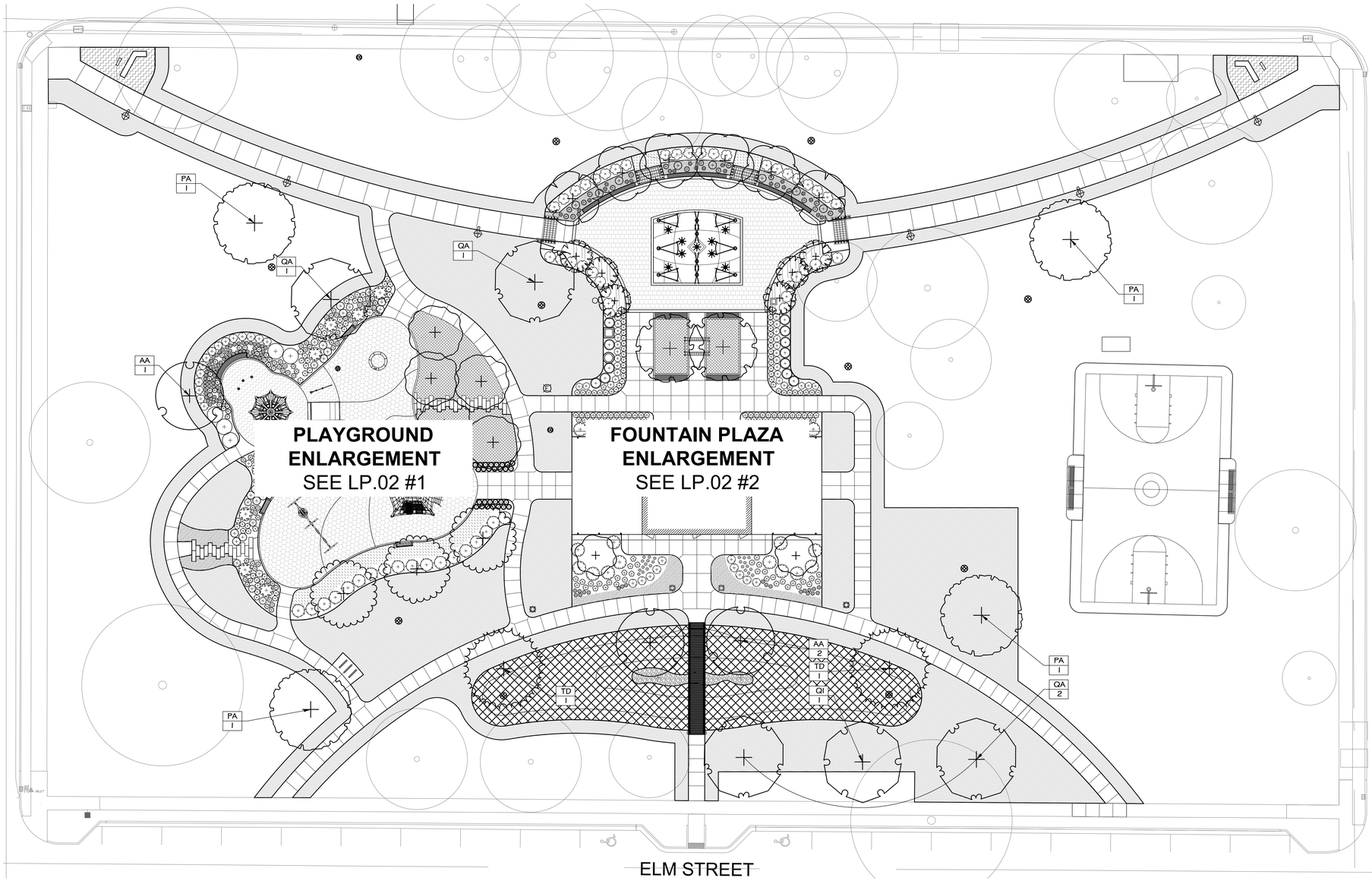
KEYMAP:

ISSUE DATE
07.08.2024

PROJECT NUMBER
23-005

SHEET NAME
EROSION CONTROL SWPPP

SHEET NUMBER
CJ.20



1 OVERALL PLANTING PLAN
SCALE: 1" = 20'-0"

PLAN

0 20' 40'

SCALE IN FEET

N

GENERAL PLANTING NOTES

1. ALL BED LINES SHALL BE REVIEWED AND APPROVED BY THE CLIENT PRIOR TO INSTALLATION.
2. ALL TREE LOCATIONS SHALL BE REVIEWED AND APPROVED BY THE CLIENT & LANDSCAPE DESIGNER PRIOR TO INSTALLATION.
3. ALL PLANTING PROCEDURES ARE SUBJECT TO THE REVIEW OF THE CLIENT. THE CONTRACTOR SHALL CORRECT ANY DEFICIENCIES FOUND AT NO ADDITIONAL COST TO THE CLIENT.
4. PLANT QUANTITIES LISTED IN SCHEDULE ARE PROJECT TOTALS, NOT SHEET. PLANS TAKE PRECEDENT OVER SCHEDULE QUANTITIES. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES ON PLANS.
5. IN THE EVENT THAT PLANT MATERIALS SPECIFIED ARE NOT AVAILABLE, CONTACT THE CLIENT FOR APPROVED SUBSTITUTIONS. NO SUBSTITUTIONS AS TO TYPE, SIZE, OR SPACING OF PLANT MATERIALS SPECIFIED ON THIS PLAN MAY BE MADE WITHOUT THE APPROVAL OF THE CLIENT.
6. VERIFY THAT ALL PLANTING PRODUCTS, PLANT MATERIAL, AND PLANT QUANTITIES DELIVERED TO THE SITE MATCH WHAT IS INDICATED ON THE PLANS AND SPECIFICATIONS. ALL PLANT MATERIAL DELIVERED TO THE SITE IS SUBJECT TO THE REVIEW OF THE CLIENT BEFORE, DURING AND AFTER INSTALLATION.
7. PROTECT ALL PLANT MATERIAL DURING DELIVERY TO PREVENT DAMAGE TO ROOT BALLS, TRUNKS, BRANCHES AND THE DESICCATION OF LEAVES. PROTECT ALL PLANT MATERIAL DURING SHIPPING WITH SHADE CLOTH OR SHIP WITH ENCLOSED TRANSPORT. MAINTAIN PROTECTIONS AND HEALTH OF PLANT MATERIAL STORED ON SITE. HANDLE ALL TREES WITH NYLON STRAPS. NO CHAINS OR CABLES WILL BE ALLOWED. DAMAGED PLANTS WILL BE REJECTED AND REMOVED IMMEDIATELY FROM THE SITE.
8. ALL PLANT MATERIAL SHALL BE NURSERY GROWN, WELL-FORMED, TRUE TO SPECIES, HARDENED OFF WITH VIGOROUS ROOT SYSTEMS, FULL CROWN AND CANOPIES, FREE FROM DISEASE, PESTS AND INSECTS, AND DEFECTS SUCH AS KNOTS, SUN SCALD, WINDBURN, LEAF DIS-COLORATION, IRREGULAR BRANCHING OR INJURIES, AND SHALL COMPLY WITH THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK.
9. ALL PLANT MATERIALS, INCLUDING RELOCATED PLANT MATERIAL, SHALL BE PLANTED IN A PROFESSIONAL MANNER TYPICAL TO THE INDUSTRY STANDARDS OF THE AREA TO ASSURE COMPLETE SURVIVABILITY OF ALL INSTALLED PLANT MATERIALS AS WELL AS TO PROVIDE AN AESTHETICALLY APPROVED PROJECT. CONTRACTOR SHALL REFER TO THE PLANTING DETAILS FOR MINIMUM SIZE AND WIDTH OF PLANTING PITS AND BEDS, GUYING AND STAKING, MULCHING, AND OTHER PLANTING REQUIREMENTS.
10. ALL PLANTING AREAS SHALL BE WEED FREE PRIOR TO PLANTING INSTALLATION.
11. REMOVE ALL PLANTING AND LANDSCAPE DEBRIS FROM THE PROJECT SITE AND SWEEP AND WASH CLEAN ALL PAVED AND FINISHED SURFACES AFFECTED BY THE LANDSCAPE INSTALLATION.
12. MULCH TO BE INSTALLED IN ALL PLANT BED AREAS AT 3" DEPTH; SEE DETAIL # - SHEET PL.##.

PLANTING PLAN SCHEDULE

DECIDUOUS TREES — DETAIL 9 - SHEET LP.03

CODE	BOTANICAL NAME / COMMON NAME	SIZE	CONT	SPACING	QTY	REMARKS
AA	Acer x freemanii 'Armstrong' / Armstrong Freeman Maple	1" CAL.	B & B	PER PLANS	3	6' CLEAR TO BASE
PA	Platanus x acerifolia / London Plane Tree	2" CAL.	B & B	PER PLANS	4	6' CLEAR TO BASE
QA	Quercus alba / White Oak	2.5" CAL.	B & B	PER PLANS	4	6' CLEAR TO BASE
QI	Quercus imbricaria / Shingle Oak	2.5" CAL.	B & B'	PER PLANS	1	6' CLEAR TO BASE
TD	Taxodium distichum / Bald Cypress	2" CAL.	B & B	PER PLANS	2	6' CLEAR TO BASE

TURF GRASS — DETAIL 4 - SHEET LP.03

OZ/ACRE	GRASSES
PP	Poa pratensis / Kentucky Bluegrass
SH	Sporobolus heterolepis / Prairie Dropseed

BIOSWALE SEED MIX — DETAIL 4 - SHEET LP.03

OZ/ACRE	GRASSES & SEDGES	OZ/ACRE	FORBS
4	Carex annectans xanthocarpa / Yellow Fox Sedge	1	Asclepias incarnata / Marsh Milkweed
4	Carex frankii / Frank's Sedge	1	Eupatorium perfoliatum / Boneset
2	Carex granularis / Meadow Sedge	2.5	Helenium autumnale / Autumn Sneezeweed
1	Carex molesta / Field Oval Sedge	4	Hibiscus moscheutos / Swamp Rose Mallow
1	Carex scoparia / Lance-Fruited Oval Sedge	2	Liatris spicata / Dense Blazing Star
6	Carex vulpinoidea / Fox Sedge	0.25	Lobelia cardinalis / Cardinal Flower
16	Elymus riparius / Riverbank Wild Rye	0.25	Lobelia siphilitica / Great Blue Lobelia
48	Elymus virginicus / Virginia Wild Rye	0.5	Lycopus americanus / Water Horehound
8	Panicum virgatum / Switchgrass	2	Oligoneuron riddellii / Riddell's Goldenrod
16	Schizachyrium scoparium / Little Bluestem	1	Penstemon digitalis / Foxglove Beardtongue
3	Scirpus atrovirens / Dark Green Bulrush	0.5	Pycnanthemum virginianum / Mountain Mint
2	Scirpus pendulus / Reddish Bulrush	3	Rudbeckia fulgida speciosa / Showy Black-Eyed Susan
1	Scirpus cyperinus / Woolgrass	2	Rudbeckia hirta / Black-Eyed Susan
		2	Senna hebecarpa / Wild Senna
		1	Symphyotrichum firmum / Shining Aster
		1	Symphyotrichum novae-angliae / New England Aster
		1	Verbena hastata / Blue Vervain
		2	Vernonia fasciculata / Smooth Ironweed
		1	Zizia aurea / Golden Alexanders

Land Stewards Design Group
Planning Civil Landscape
5022 ROCKVILLE ROAD
INDIANAPOLIS, IN 46224
LANDSTEWARDSDG.COM

CLIENT / OWNER
CITY OF TERRE HAUTE

PROJECT NAME
HERZ ROSE PARK

PROJECT LOCATION
1515 Locust St.
Terre Haute, IN
47807

MEP
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Indianapolis, IN, 46278-1755
p 317.209.4035

SPLASH PAD
FOUNTAIN PEOPLE
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CERTIFIED BY:
DAVID WAYNE COUNSELL
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PROFESSIONAL ENGINEER
07-08-2024

100% BID DOCUMENTS

NO.	REVISION	DATE

KEYMAP:

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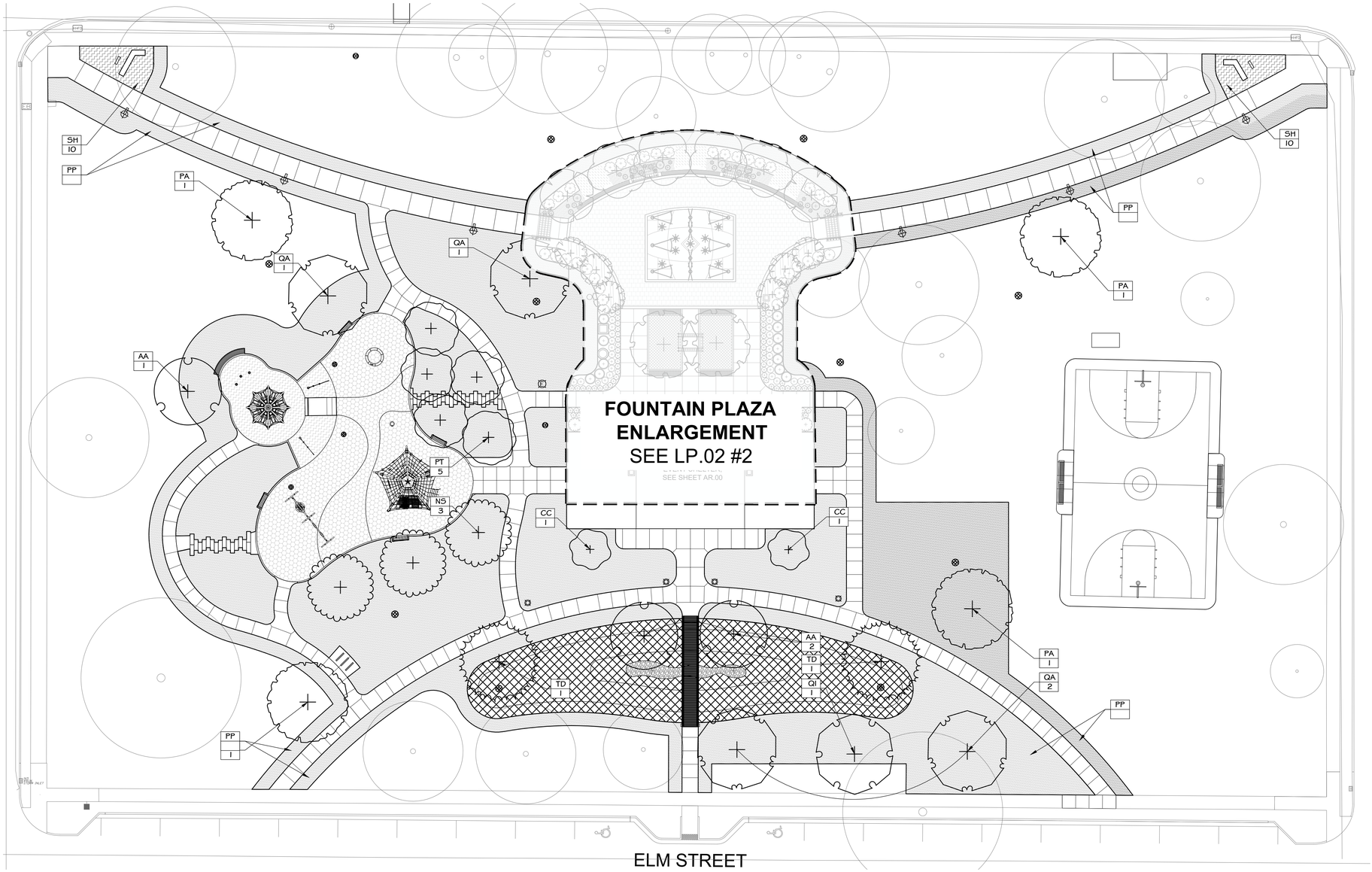
07.08.2024

PROJECT NUMBER
23-005

SHEET NAME
PLANTING PLAN

SHEET NUMBER
LP.00



1 OVERALL PLANTING PLAN ALTERNATE

SCALE: 1" = 20'-0"

PLAN

0 20' 40'

SCALE IN FEET

N

GENERAL PLANTING NOTES

1. ALL BED LINES SHALL BE REVIEWED AND APPROVED BY THE CLIENT PRIOR TO INSTALLATION.
2. ALL TREE LOCATIONS SHALL BE REVIEWED AND APPROVED BY THE CLIENT & LANDSCAPE DESIGNER PRIOR TO INSTALLATION.
3. ALL PLANTING PROCEDURES ARE SUBJECT TO THE REVIEW OF THE CLIENT. THE CONTRACTOR SHALL CORRECT ANY DEFICIENCIES FOUND AT NO ADDITIONAL COST TO THE CLIENT.
4. PLANT QUANTITIES LISTED IN SCHEDULE ARE PROJECT TOTALS, NOT SHEET. PLANS TAKE PRECEDENT OVER SCHEDULE QUANTITIES. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES ON PLANS.
5. IN THE EVENT THAT PLANT MATERIALS SPECIFIED ARE NOT AVAILABLE, CONTACT THE CLIENT FOR APPROVED SUBSTITUTIONS. NO SUBSTITUTIONS AS TO TYPE, SIZE, OR SPACING OF PLANT MATERIALS SPECIFIED ON THIS PLAN MAY BE MADE WITHOUT THE APPROVAL OF THE CLIENT.
6. VERIFY THAT ALL PLANTING PRODUCTS, PLANT MATERIAL, AND PLANT QUANTITIES DELIVERED TO THE SITE MATCH WHAT IS INDICATED ON THE PLANS AND SPECIFICATIONS. ALL PLANT MATERIAL DELIVERED TO THE SITE IS SUBJECT TO THE REVIEW OF THE CLIENT BEFORE, DURING AND AFTER INSTALLATION.
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8. ALL PLANT MATERIAL SHALL BE NURSERY GROWN, WELL-FORMED, TRUE TO SPECIES, HARDENED OFF WITH VIGOROUS ROOT SYSTEMS, FULL CROWN AND CANOPIES, FREE FROM DISEASE, PESTS AND INSECTS, AND DEFECTS SUCH AS KNOTS, SUN SCALD, WINDBURN, LEAF DIS-COLORATION, IRREGULAR BRANCHING OR INJURIES, AND SHALL COMPLY WITH THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK.
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12. MULCH TO BE INSTALLED IN ALL PLANT BED AREAS AT 3" DEPTH; SEE DETAIL # - SHEET PL.##.

PLANTING PLAN ALTERNATE SCHEDULE

DECIDUOUS TREES

DETAIL 9 - SHEET LP.03

CODE	BOTANICAL NAME / COMMON NAME	SIZE	CONT	SPACING	QTY	REMARKS
AA	Acer x freemanii 'Armstrong' / Armstrong Freeman Maple	1" CAL	B & B	PER PLANS	3	6' CLEAR TO BASE
NS	Nyssa sylvatica / Tupelo	2" CAL	B & B	PER PLANS	3	6' CLEAR TO BASE
PA	Platanus x acerifolia / London Plane Tree	2" CAL	B & B	PER PLANS	4	6' CLEAR TO BASE
PT	Populus tremuloides / Quaking Aspen	2" CAL	B & B	PER PLANS	5	6' CLEAR TO BASE
QA	Quercus alba / White Oak	2.5" CAL	B & B	PER PLANS	4	6' CLEAR TO BASE
QI	Quercus imbricaria / Shingle Oak	2.5" CAL	B & B	PER PLANS	1	6' CLEAR TO BASE
TD	Taxodium distichum / Bald Cypress	2" CAL	B & B	PER PLANS	2	6' CLEAR TO BASE

TURF GRASS

DETAIL 4 - SHEET LP.03

OZ/ACRE	GRASSES
PP	Poa pratensis / Kentucky Bluegrass
SH	Sporobolus heterolepis / Prairie Dropseed

BIOSWALE SEED MIX

DETAIL 4 - SHEET LP.03

OZ/ACRE	GRASSES & SEDGES	OZ/ACRE	FORBS
4	Carex annectans xanthocarpa / Yellow Fox Sedge	1	Asclepias incarnata / Marsh Milkweed
4	Carex frankii / Frank's Sedge	1	Eupatorium perfoliatum / Boneset
2	Carex granularis / Meadow Sedge	2.5	Helenium autumnale / Autumn Sneezeweed
1	Carex molesta / Field Oval Sedge	4	Hibiscus moscheutos / Swamp Rose Mallow
1	Carex scoparia / Lance-Fruited Oval Sedge	2	Liatris spicata / Dense Blazing Star
6	Carex vulpinoidea / Fox Sedge	0.25	Lobelia cardinalis / Cardinal Flower
16	Elymus riparius / Riverbank Wild Rye	0.25	Lobelia siphilitica / Great Blue Lobelia
48	Elymus virginicus / Virginia Wild Rye	0.5	Lycopus americanus / Water Horehound
8	Panicum virgatum / Switchgrass	2	Oligoneuron riddellii / Riddell's Goldenrod
16	Schizachyrium scoparium / Little Bluestem	1	Penstemon digitalis / Foxglove Beardtongue
3	Scirpus atrovirens / Dark Green Bulrush	0.5	Pycnanthemum virginianum / Mountain Mint
2	Scirpus pendulus / Reddish Bulrush	3	Rudbeckia fulgida speciosa / Showy Black-Eyed Susan
1	Scirpus cyperinus / Woolgrass	2	Rudbeckia hirta / Black-Eyed Susan
		2	Senna hebecarpa / Wild Senna
		1	Symphyotrichum firmum / Shining Aster
		1	Symphyotrichum novae-angliae / New England Aster
		1	Verbena hastata / Blue Vervain
		2	Vernonia fasciculata / Smooth Ironweed
		1	Zizia aurea / Golden Alexanders

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Indianapolis, IN, 46278-1755
p 317.209.4035

SPLASH PAD
FOUNTAIN PEOPLE
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CERTIFIED BY:

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07-08-2024

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SHEET NAME
PLANTING PLAN ALTERNATE

SHEET NUMBER
LP.01

1 PLAYGROUND PLANTING ENLARGEMENT

SCALE: 1" = 10'-0"

PLAN

0 10' 20'

SCALE IN FEET

PLANTING PLAN ENLARGEMENTS SCHEDULE

DECIDUOUS TREES

DETAIL 9 - SHEET LP.03

CODE	BOTANICAL NAME / COMMON NAME	SIZE	CONT	SPACING	QTY	REMARKS
AG	Amelanchier x grandiflora / Autumn Brilliance Apple Serviceberry	1" CAL.	B & B	PER PLANS	6	
CE	Cercis canadensis / Eastern Redbud Multi-Stem	1" CAL.	B & B	PER PLANS	4	
CA	Cercis canadensis 'Alba' / White Eastern Redbud	1" CAL.	B & B	PER PLANS	2	6' CLEAR TO BASE
CC	Cornus florida 'Cherokee Chief' / Cherokee Chief Dogwood	1" CAL.	B & B	PER PLANS	2	6' CLEAR TO BASE
GT	Gleditsia triacanthos f. inermis / Thornless Honey Locust	1.5" CAL.	B & B	PER PLANS	2	6' CLEAR TO BASE
NS	Nyssa sylvatica / Tupelo	2" CAL.	B & B	PER PLANS	3	6' CLEAR TO BASE
PT	Populus tremuloides / Quaking Aspen	2" CAL.	B & B	PER PLANS	5	6' CLEAR TO BASE

TURF GRASS

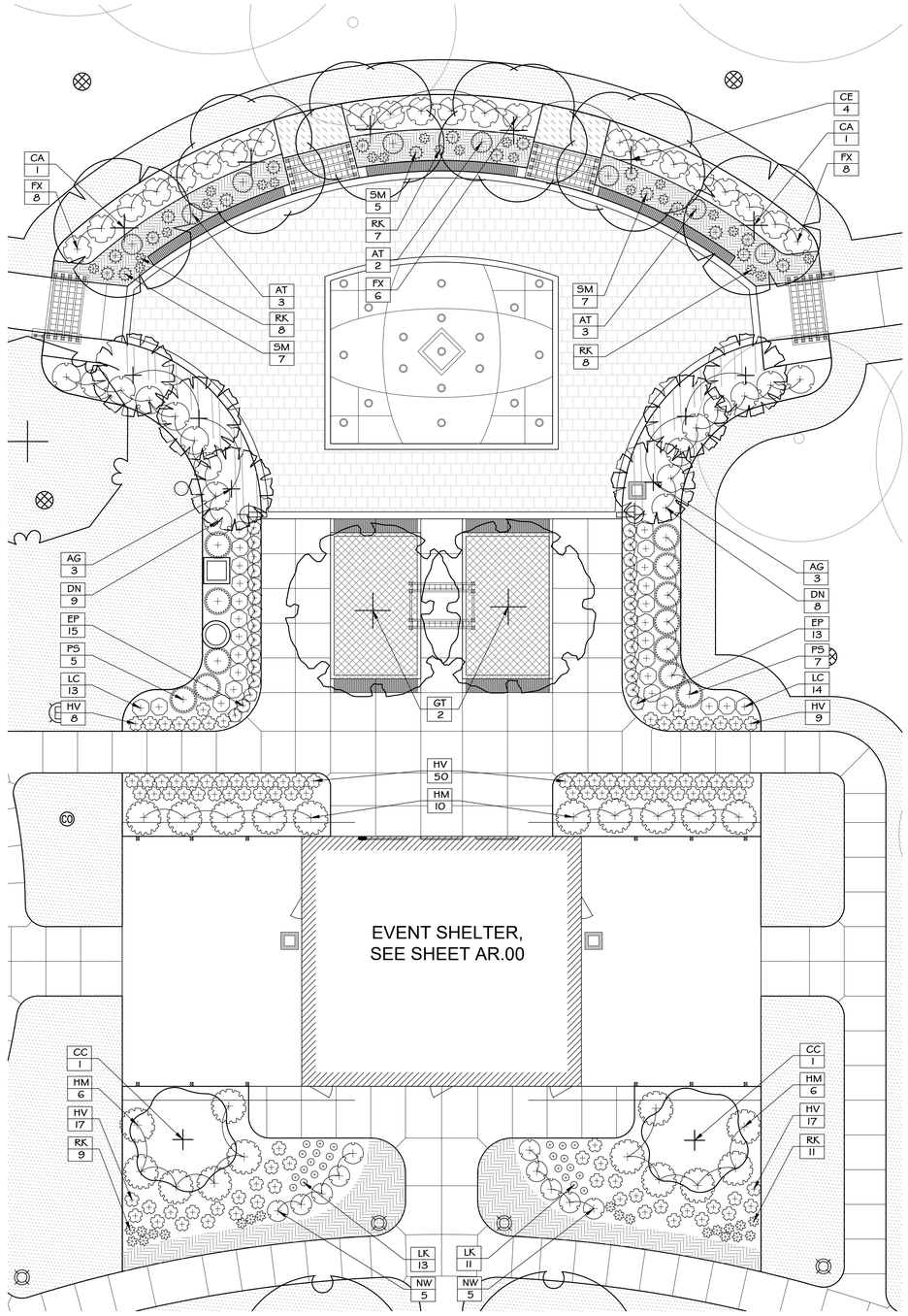
DETAIL 4 - SHEET LP.03

OZ/ACRE	GRASSES
CP	Carex pensylvanica / Pennsylvania Sedge
GO	Galium odoratum / Sweet Woodruff
PP	Poa pratensis / Kentucky Bluegrass
RG	Rhus aromatica 'Gro-Low' / Gro-Low Fragrant Sumac
SH	Sporobolus heterolepis / Prairie Dropseed

DECIDUOUS SHRUBS

DETAIL 3 - SHEET LP.03

CODE	BOTANICAL NAME / COMMON NAME	SIZE	CONT	SPACING	QTY	REMARKS
AT	Asclepias tuberosa / Butterfly Milkweed	1 GAL.	CONT.	PER PLANS	22	
CK	Calamagrostis x acutiflora 'Karl Foerster' / Karl Foerster Feather Reed Grass	3 GAL.	CONT.	PER PLANS	28	
DN	Deutzia gracilis 'Nikko' / Nikko Deutzia	3 GAL.	CONT.	PER PLANS	17	
EP	Echinacea purpurea 'Lakota Fire' / Lakota Fire Cone Flower	1 GAL.	CONT.	PER PLANS	84	
ED	Eutrochium dubium 'Little Joe' / Little Joe Pye Weed	3 GAL.	CONT.	PER PLANS	16	
FX	Fothergilla x intermedia 'Mount Airy' / Mount Airy Fothergilla	3 GAL.	CONT.	PER PLANS	22	
HV	Heuchera villosa 'Caramel' / Caramel Hairy Alumroot	1 GAL.	CONT.	PER PLANS	101	
HL	Hydrangea paniculata 'Little Quick Fire' / Little Quick Fire Hydrangea	5 GAL.	CONT.	PER PLANS	9	
HM	Hydrangea quercifolia 'Munchkin' / Munchkin Oakleaf Hydrangea	5 GAL.	CONT.	PER PLANS	22	
LK	Liatris spicata 'Kobold' / Kobold Blazing Star	1 GAL.	CONT.	PER PLANS	24	
LC	Lobelia cardinalis / Cardinal Flower	1 GAL.	CONT.	PER PLANS	27	
MJ	Monarda didyma 'Jacob Cline' / Jacob Cline Bee Balm	1 GAL.	CONT.	PER PLANS	69	
NW	Nepeta x 'Walker's Low' / Walker's Low Catmint	3 GAL.	CONT.	PER PLANS	25	
PS	Panicum virgatum 'Shenandoah' / Shenandoah Switch Grass	3 GAL.	CONT.	PER PLANS	12	
RK	Rudbeckia fulgida 'Blovi' / Viette's Little Suzy Cone Flower	1 GAL.	CONT.	PER PLANS	102	
SM	Salvia x sylvestris 'May Night' / May Night Sage	3 GAL.	CONT.	PER PLANS	38	
VM	Viburnum carlesii 'Spice Baby' / Spice Baby Korean Spice Viburnum	5 GAL.	CONT.	PER PLANS	18	
VD	Viburnum dentatum 'Blue Muffin' / Blue Muffin Arrowwood Viburnum	5 GAL.	CONT.	PER PLANS	5	



2 PLAZA PLANTING ENLARGEMENT

SCALE: 1" = 10'-0"

PLAN

0 10' 20'

SCALE IN FEET

Land Stewards Design Group

Planning Civil Landscape

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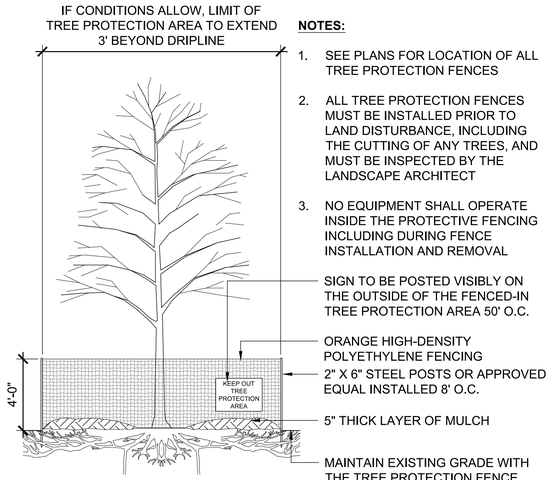
SHEET NAME

PLANTING PLAN ENLARGEMENT

SHEET NUMBER

LP.02

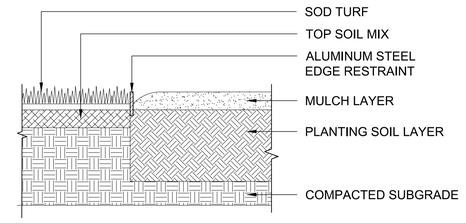
Indiana 811
Know what's below. 811 before you dig.



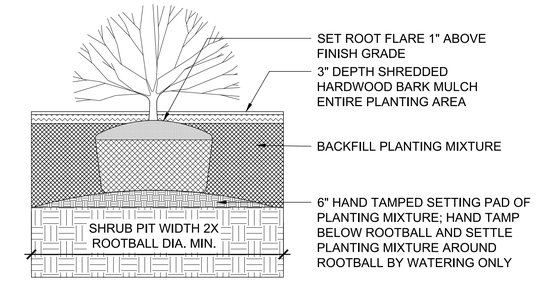
NOTES:

1. SEE PLANS FOR LOCATION OF ALL TREE PROTECTION FENCES
2. ALL TREE PROTECTION FENCES MUST BE INSTALLED PRIOR TO LAND DISTURBANCE, INCLUDING THE CUTTING OF ANY TREES, AND MUST BE INSPECTED BY THE LANDSCAPE ARCHITECT
3. NO EQUIPMENT SHALL OPERATE INSIDE THE PROTECTIVE FENCING INCLUDING DURING FENCE INSTALLATION AND REMOVAL

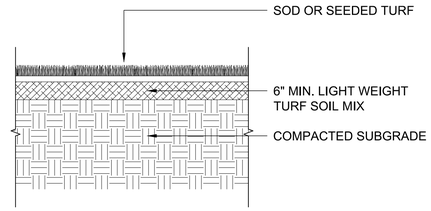
1 TREE PROTECTION
SCALE: 1/4" = 1'-0"



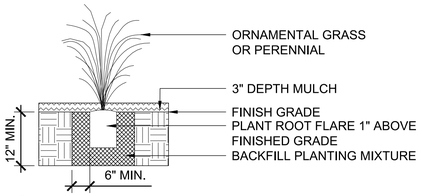
2 ALUMINUM LANDSCAPE EDGE
SCALE: 1" = 1'-0"



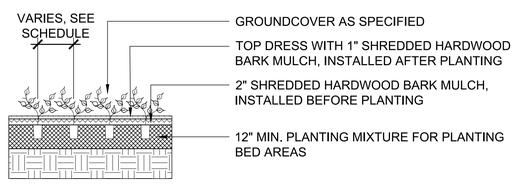
3 SHRUB PLANTING
SCALE: 1/2" = 1'-0"



4 SOD/SEEDING
SCALE: 1/2" = 1'-0"



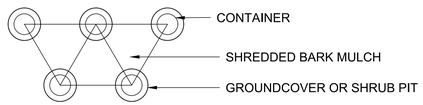
5 ORNAMENTAL GRASS & PERENNIAL PLANTING
SCALE: 1/2" = 1'-0"



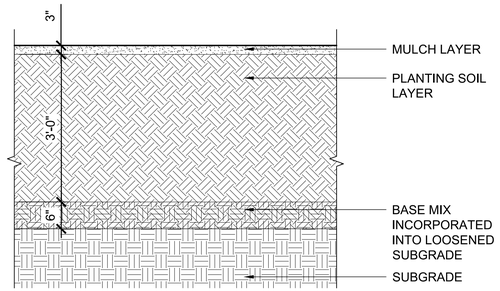
6 GROUNDCOVER PLANTING
SCALE: 1/2" = 1'-0"

INCHES BETWEEN PLANTS	PLANT QUANTITIES PER SQUARE FOOT
12" OC	SQUARE FEET X 1.15

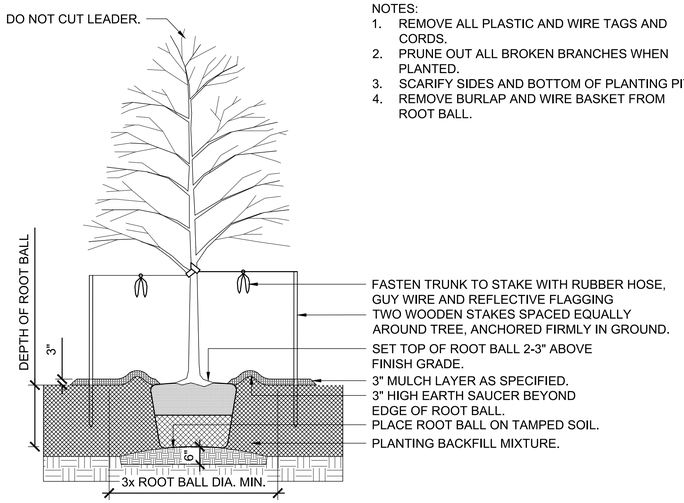
NOTE:
1. SPACING FOR GROUNDCOVERS, SHRUBS, AND PERENNIALS
2. HARDWOOD BARK MULCH BETWEEN PLANTS TO FILL PLANTING BED



7 PLANT SPACING
SCALE: 1/2" = 1'-0"

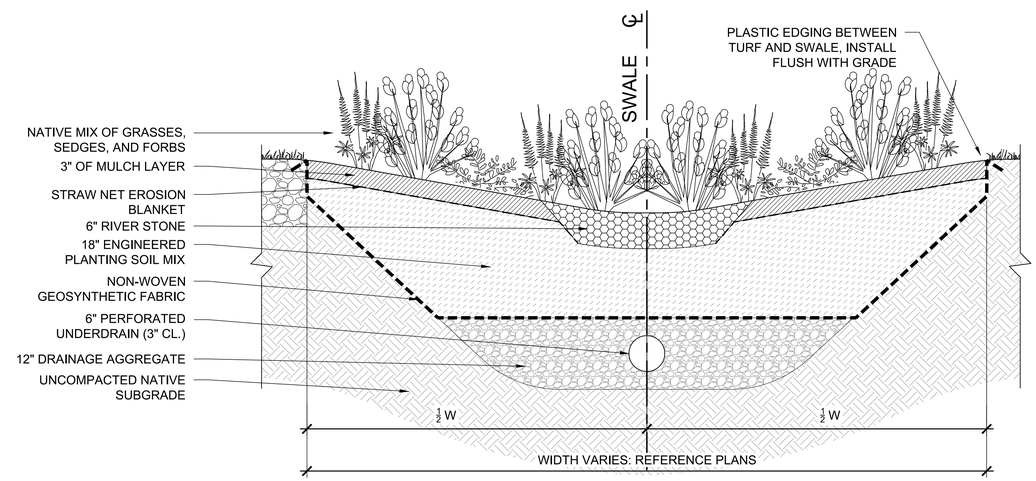


8 PLANTING SOIL MIX
SCALE: 3/4" = 1'-0"



NOTES:
1. REMOVE ALL PLASTIC AND WIRE TAGS AND CORDS.
2. PRUNE OUT ALL BROKEN BRANCHES WHEN PLANTED.
3. SCARIFY SIDES AND BOTTOM OF PLANTING PIT.
4. REMOVE BURLAP AND WIRE BASKET FROM ROOT BALL.

9 TREE PLANTING
SCALE: 1/2" = 1'-0"



10 BIOSWALE SECTION
SCALE: 1" = 1'-0"

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SHEET NAME
PLANTING DETAILS

SHEET NUMBER
LP.03

NOTE:
DRAWINGS FOR REFERENCE ONLY.
CONTRACTOR TO COORDINATE WITH CEDAR FOREST FOR FINAL BUILDING PLANS.

CONTACT INFO:

Dave Boeve
Cedar Forest Products
1-800-552-9495 ext 104
P.O. Box 145
West Olive, MI 49460
www.cedarforestproducts.com

CFP
CEDAR FOREST PRODUCTS

STRUCTURAL NOTES

STANDARDS
1. 2012 INTERNATIONAL BUILDING CODE
2. ASCE/SEI 7 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
3. ANSI/AWC NDS-2012 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION
4. ACI 318 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
5. AISC 360 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS

BUILDING PROPERTIES
1. OCCUPANCY GROUP DESIGNATION = A-3
2. CONSTRUCTION TYPE = V-B

DESIGN LOADS
1. GROUND SNOW = 20 PSF
2. ROOF SNOW LOAD (UNHEATED) = 16.8 PSF
3. ROOF LIVE LOAD = 20 PSF
4. WIND LOAD BASED ON WIND VELOCITY OF V = 115 MPH
5. RISK CATEGORY II, EXPOSURE C
6. SEISMIC IMPORTANCE FACTOR I = 1
7. S_s = 0.259
8. S_1 = 0.114
9. S_{DS} = 0.275
10. S_{D1} = 0.178
11. SITE CLASS = D
12. DESIGN CATEGORY = C

STRUCTURAL STEEL
1. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) "SPECIFICATIONS FOR THE DESIGN FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS"

STRUCTURAL STEEL TO CONFORM TO:
1. STRUCTURAL STEEL PLATE = A-36
2. HOLLOW STRUCTURAL SECTIONS = A500 GRADE C
3. WIDE FLANGE SECTION = A992 GRADE 50
4. CHANNEL SECTIONS = A36
5. THESE MATERIAL SPECIFICATIONS SHALL BE USED UNLESS NOTED OTHERWISE.

HIGH STRENGTH BOLTING
1. HIGH STRENGTH BOLTS ARE A325 BOLTS WITH HEAVY HEX NUTS. THE BOLTS ARE TO BE INSTALLED UTILIZING THE "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS" AS PREPARED BY RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS (RCSC) FOR THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC).
2. IT IS THE RESPONSIBILITY OF THE INSTALLER TO ENSURE PROPER TIGHTNESS.
3. ALL JOINTS MUST BE SNUG-TIGHTENED PRIOR TO PRETENSIONING.
4. ALL JOINTS MUST BE SNUG TIGHT UNLESS OTHERWISE SPECIFIED.

WELDING
1. ALL WELDING TO BE IN ACCORDANCE WITH THE LASTEST EDITION OF THE AMERICAN WELDING SOCIETY (AWS) "STRUCTURAL WELDING CODE - STEEL" D1.1 AND AS INDICATED ON THE STRUCTURAL DRAWINGS.
2. WELDING ELECTRODES, WELDING PROCESS, MINIMUM PREHEAT AND INTERPASS TEMPERATURES TO BE IN ACCORDANCE WITH THE AWS SPECIFICATIONS. ELECTRODES TO BE MIN 70KSI MATERIAL.
3. FILLET WELD SIZES SHALL BE EQUAL TO THE THICKNESS OF THE THINNER PART JOINED.

CONCRETE
1. ALL CONCRETE SHOULD HAVE STONE AGGREGATE (NORMAL WEIGHT). 28-DAY COMPRESSIVE STRENGTH (f'c) SHOULD BE 3000PSI MINIMUM FOR CAST-IN-PLACE CONCRETE.
2. MAX AGGREGATE DIAMETER OF $\frac{3}{4}$"
3. REINFORCING BARS SHOULD BE MILD STEEL WITH A MINIMUM YIELD STRENGTH OF 60 KSI
4. REINFORCING BAR PROTECTION:
   4.1. CONCRETE PLACED AGAINST EARTH - 3"
   4.2. CONCRETE PLACED IN FORMS - $1\frac{1}{2}$"
5. FIELD WELDING OF REINFORCING SHOULD NOT BE PERMITTED.
6. ALL REINFORCING BAR BENDS SHOULD BE MADE MECHANICALLY HEAT-BENDING SHOULD NOT BE PERMITTED.
7. NON-SHRINK GROUT = 5000 PSI
8. ANCHOR BOLTS SHALL CONFORM TO THE REQUIREMENTS OF F1554 GRADE 36
9. 4" to 6" SLAB SHALL BE REINFORCED WITH W4.5XW4.5 (6" X 6") WELDED WIRE FABRIC

FOUNDATIONS
1. FOUNDATIONS DESIGNED BASED ON PRESUMPTIVE LOAD-BEARING VALUES GIVEN IN TABLE 1806.2 OF THE INTERNATIONAL BUILDING CODE.
   1.1. 1500 PSF VERTICAL FOUNDATION PRESSURE
   1.2. 100 PSF LATERAL BEARING PRESSURE
   1.3. FOUNDATION BACKFILL SHOULD CONSIST OF EXISTING SANDY FILL OR GRANULAR IMPORT MATERIAL. BACKFILL SHOULD BE PLACED IN THIN, LOOSE LIFTS, MOISTURE CONDITIONED TO WITHIN 2% OF OPTIMUM MOISTURE CONTENT, AND COMPACTED TO AT LEAST 95% OF MAX MODIFIED PROCTOR DRY DENSITY.
2. THE FOUNDATIONS HAVE BEEN DESIGN BASED ON THE ABOVE AND SHALL BE REVIEWED BY THE ENGINEER ONCE A FINAL GEOTECHNICAL REPORT IS COMPLETED. THE SUPPORT SOILS SHALL BE PREPARED PER THE REFERENCED GEOTECHNICAL REPORT PRIOR TO THE PLACEMENT OF ANY CONCRETE.

STRUCTURAL WOOD
1. WOOD FRAMING SHALL COMPLY WITH THE SOUTHERN PINE INSPECTION BUREAU, OR SHALL CONFORM TO SPECIFICATIONS AS PUBLISHED BY THE WESTERN WOODS PRODUCTS ASSOCIATION.
2. WOOD FRAMING 2" X 4" AND LARGER SHALL BE NO. 1 SOUTHERN YELLOW PINE (U.N.O)
3. WOOD COLUMNS 6" X 6" AND LARGER SHALL BE NO. 1 SOUTHERN YELLOW PINE (U.N.O)
4. MECHANICALLY LAMINATED POSTS SHALL HAVE CERTIFIED STRUCTURAL GLUED END JOINTS.
5. ALL MEMBERS IN CONTACT WITH CONCRETE OR GROUND SHALL BE PRESSURE TREATED.
6. FASTENERS USED IN PRESSURE TREATED WOOD SHALL BE GALVANIZED, MADE FROM STAINLESS STEEL OR HAVE A COATING RATED FOR USE IN TREATED WOOD.
7. GLUED-LAMINATED MEMBERS (U.N.O)
   7.1. BEAMS SHALL USE 24F-V5 SP/SP FOR BALANCED LAYUPS
   7.2. BEAMS SHALL USE 24F-V3 SP/SP FOR UNBALANCED LAYUPS WITH THE TOP CLEARLY MARKED FOR INSTALLATION
   7.3. COLUMNS SHALL USE 24F-V5 SP/SP OR 20F-V15 POC/POC BALANCED LAYUPS
   7.4. 1-3/8" ACTUAL LAMINATION THICKNESS
   7.5. ADHESIVE TO BE WATERPROOF GLUE
   7.6. APPEARANCE GRADE TO BE AITC ARCHITECTURAL
   7.7. PROTECTION WRAPPED
8. CONNECTORS NOT MANUFACTURED BY CFP SHALL BE AS MANUFACTURED BY THE SIMPSON CO. OR APPROVED EQUAL. CONNECTORS USED WITH PRESSURE TREATED LUMBER OR IN UNCONDITIONED SPACE, SHALL HAVE THE ZMAX (G185) COATING.
9. NAILING, UNLESS NOTED OTHERWISE, SHALL BE PER THE INTERNATIONAL BUILDING CODE.
10. BOLTS USED FOR WOOD CONNECTIONS SHALL MEET THE REQUIREMENT OF ANSI/ASME STANDARD B18.2.1.
   10.1. HOLES SHALL BE A MINIMUM OF $\frac{1}{32}$" TO $\frac{1}{16}$" LARGER THAN THE BOLT DIAMETER.
   10.2. A STANDARD CUT WASHER OR METAL PLATE OF EQUAL OR GREATER DIMENSIONS SHALL BE PROVIDED BETWEEN THE WOOD AND THE BOLT HEAD AND NUT.
11. LAG SCREWS SHALL BE INSTALLED PER THE REQUIREMENTS OF ANSI/ASME STANDARD B18.2.1
   11.1. LEAD HOLES FOR THE THREADED PORTION SHALL HAVE A DIAMETER EQUAL TO 60% TO 70% OF THE SHANK DIAMETER WITH A DEPTH EQUAL TO AT LEAST THE LENGTH OF THE THREADED PORTION.
12. EACH COURSE OF STACKED CEDAR TIMBER WALLS SHALL BE CONNECTED TO THE COURSE BELOW WITH #14 X 10" TIMBER SCREWS AT 36" O/C. THE FIRST AND LAST TIMBER SHALL BE CONNECTED WITH AT LEAST TWO SCREWS.

METAL ROOF
1. ROOF PANELS SHALL BE 29GA MAX-RIB ULTRA METAL ROOFING
2. YIELD STRENGTH = 50 KSI
3. SUBSTRATE = 2X6 SYP TKG DECKING
4. FINISH SHALL BE KYNAR 500

Troy Garland
Digitally signed by Troy Garland
DN: cn=Troy Garland gn=Troy o=US e=troy@pstructuralsolutions.com
Reason: Engineering Seal
Location: Hamilton, MI
Date: 2024-02-23 15:52:05:00

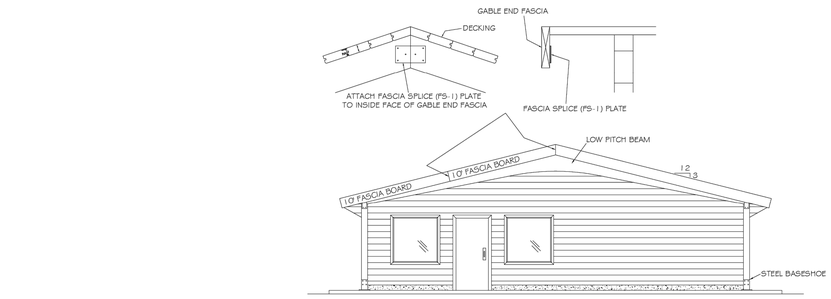
TROY LEE GARLAND REGISTERED No. 11400480 STATE OF INDIANA PROFESSIONAL ENGINEER
2/23/24

P.O. BOX 145
WEST OLIVE, MI 49460
800-552-9495
WWW. CEDARFORESTPRODUCTS.COM

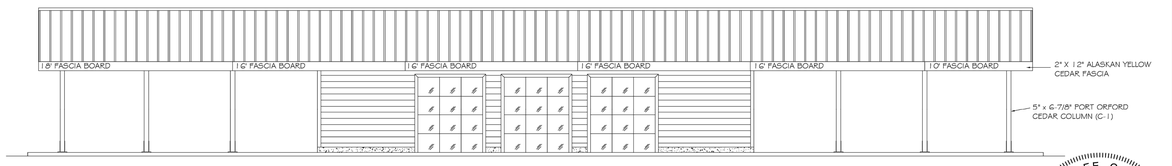
**Structure Erection: Installation of this structure is to be done with a competent supervisor in the construction trades. This supervisor must be capable of reading the drawing(s) & following Cedar Forest Products' installation instructions using good construction practices and procedures. The contractor will be required to shim, cut and make adjustments of fitting for proper building erection.

MODEL NUMBER:	PAC4092
DESCRIPTION:	CUSTOM PAC 40' X 92'
Project Details:	Project Name: Herz Rose Park Sales Rep: Recreation Insites Site Location: 1515 Locust St. - Terre Haute IN. 47807

REVISION DATES	DRAWN BY:	DATE:
REV:	KLY	1-19-24
REV:	PRJ #: 4385	
REV:	1 of 22	
REV:		



RIGHT SIDE ELEVATION



FRONT ELEVATION

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REV:	2 OF 22	
REV:		

Land Stewards Design Group
Planning Civil Landscape
5022 ROCKVILLE ROAD
INDIANAPOLIS, IN 46224
LANDSTEWARDSDG.COM

CLIENT / OWNER
CITY OF TERRE HAUTE

PROJECT NAME
HERZ ROSE PARK

PROJECT LOCATION
1515 Locust St.
Terre Haute, IN
47807

MEP
SIMS-DURKIN ASSOCIATES
5755 W. 74th St.
Indianapolis, IN, 46278-1755
p 317.209.4035

SPLASH PAD
FOUNTAIN PEOPLE
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San Marcos, TX, 78666
p 770.366.3302

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NO.	REVISION	DATE

KEYMAP:

ISSUE DATE
07.08.2024

PROJECT NUMBER
23-005

SHEET NAME
NOTES & ELEVATION

SHEET NUMBER
AR.00

NOTE:
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CONTRACTOR TO COORDINATE WITH CEDAR FOREST FOR FINAL BUILDING PLANS.

CONTACT INFO:

Dave Boeve
Cedar Forest Products
1-800-552-9495 ext 104
P.O. Box 145
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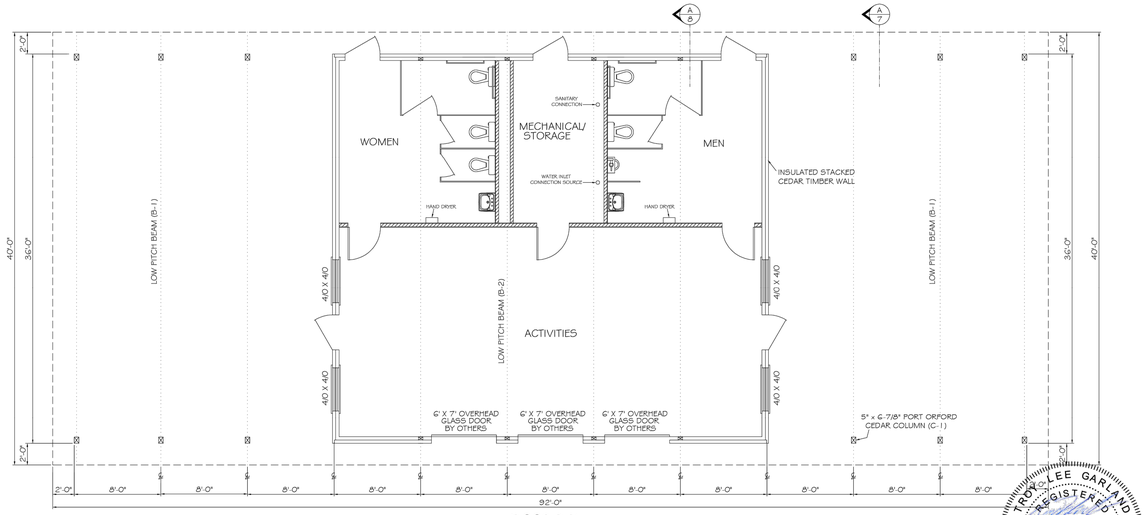

FLOOR PLAN

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STATE OF
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WEST OLIVE, MI 49460
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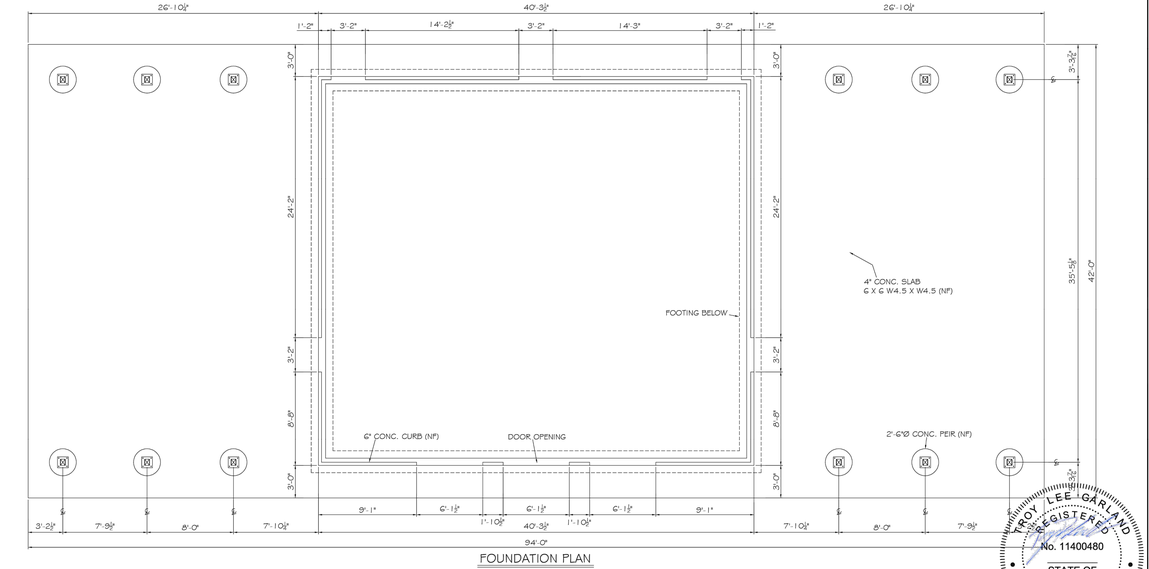
REV:	3 OF 22	



FOUNDATION PLAN

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No. 11400480
STATE OF
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REV:	4 OF 22	

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CITY OF TERRE HAUTE

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NO.	REVISION	DATE

KEYMAP:

ISSUE DATE
07.08.2024

PROJECT NUMBER
23-005

SHEET NAME
FLOOR &
FOUNDATION PLAN

SHEET NUMBER
AR.01

NOTE:
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Dave Boeve
Cedar Forest Products
1-800-552-9495 ext 104
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West Olive, MI 49460
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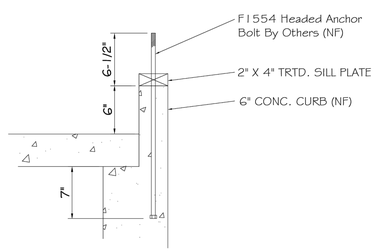
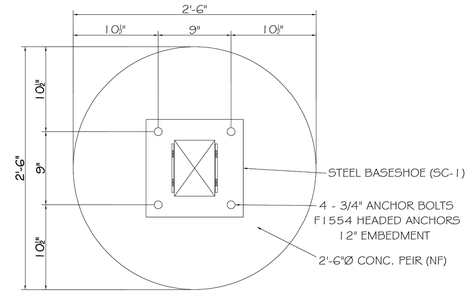


ANCHOR BOLT DETAIL

ANCHOR BOLT NOTE: BOLT TO BE 1/2" DIAMETER, MAX 6FT O.C. MINIMUM (2) PER WALL SEGMENT, 3-1/2" - 12" FROM EACH CORNER



COLUMN ANCHOR BOLT DETAIL

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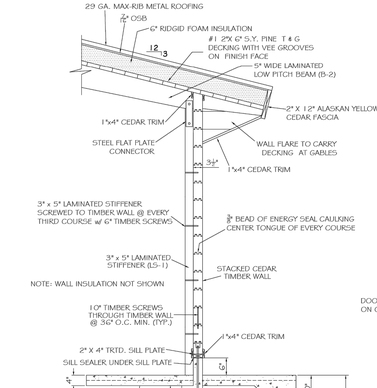

TIMBER WALL CROSS SECTION

ALL SIZES TBD
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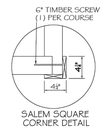
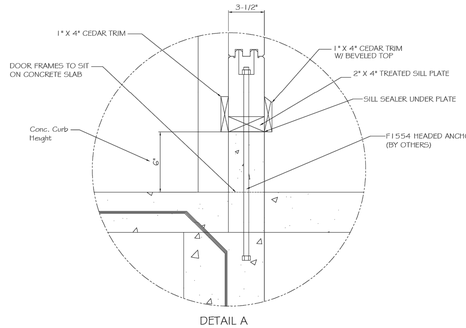
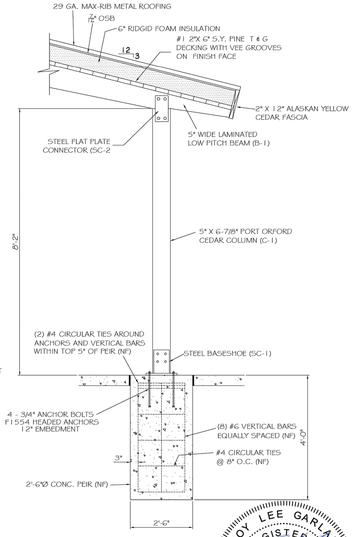


SALEM SQUARE CORNER DETAIL



DETAIL A



CONCRETE PIER DETAIL

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5755 W. 74th St.
Indianapolis, IN, 46278-1755
p 317.209.4035

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NO.	REVISION	DATE

KEYMAP:

ISSUE DATE
07.08.2024

PROJECT NUMBER
23-005

SHEET NAME
DETAILS & CROSS SECTION

SHEET NUMBER
AR.02

NOTE:
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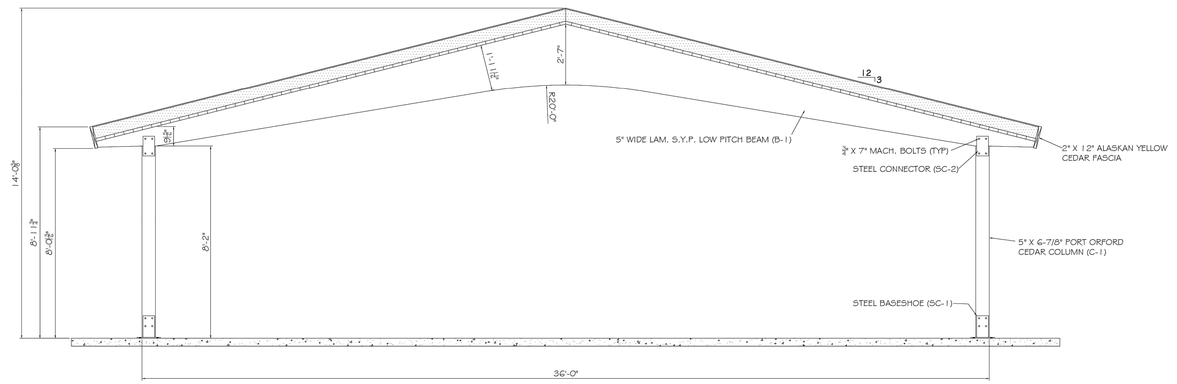

A/7 CROSS SECTION

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REVISION DATES
REV:
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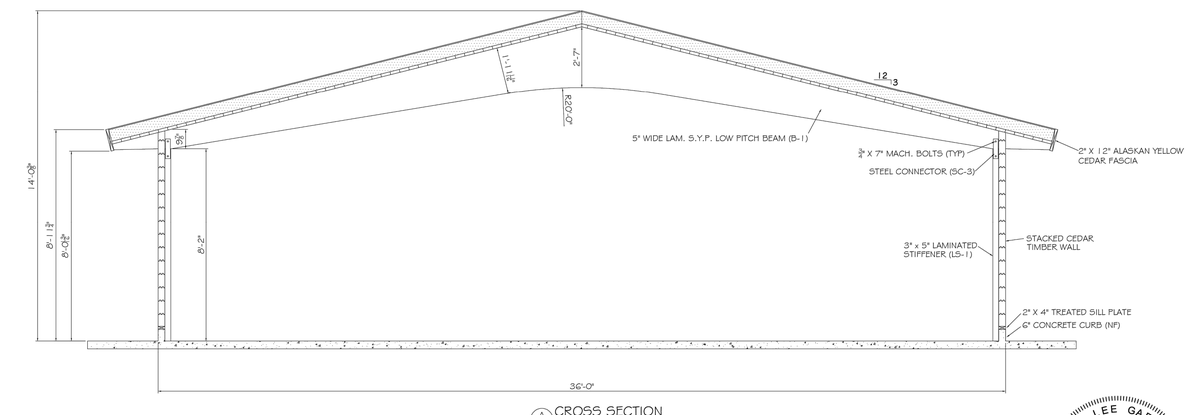

A/8 CROSS SECTION

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4600 Hwy. 123
San Marcos, TX, 78666
p 770.366.3302

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NO.	REVISION	DATE

KEYMAP:

ISSUE DATE
07.08.2024

PROJECT NUMBER
23-005

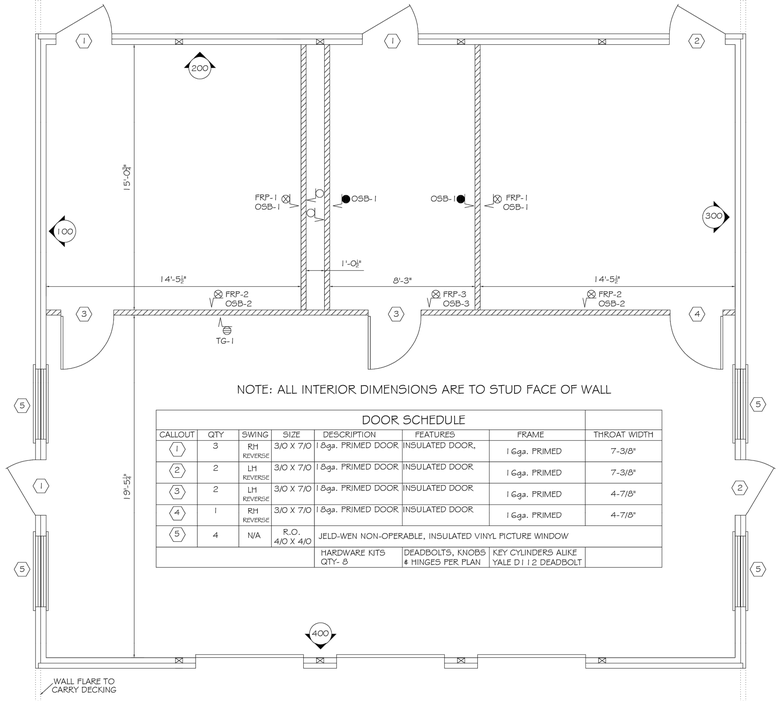
SHEET NAME
CROSS SECTIONS

SHEET NUMBER
AR.03

NOTE:
DRAWINGS FOR REFERENCE ONLY.
CONTRACTOR TO COORDINATE WITH CEDAR FOREST FOR FINAL BUILDING PLANS.

CONTACT INFO:

Dave Boeve
Cedar Forest Products
1-800-552-9495 ext 104
P.O. Box 145
West Olive, MI 49460
www.cedarforestproducts.com



NOTE: ALL INTERIOR DIMENSIONS ARE TO STUD FACE OF WALL

DOOR SCHEDULE

CALLOUT	QTY	SWING	SIZE	DESCRIPTION	FEATURES	FRAME	THROAT WIDTH
1	3	RH REVERSE	3/0 X 7/0	18ga. PRIMED DOOR	INSULATED DOOR,	16ga. PRIMED	7-3/8"
2	2	LH REVERSE	3/0 X 7/0	18ga. PRIMED DOOR	INSULATED DOOR	16ga. PRIMED	7-3/8"
3	2	LH REVERSE	3/0 X 7/0	18ga. PRIMED DOOR	INSULATED DOOR	16ga. PRIMED	4-7/8"
4	1	RH REVERSE	3/0 X 7/0	18ga. PRIMED DOOR	INSULATED DOOR	16ga. PRIMED	4-7/8"
5	4	N/A	R.O. 4/0 X 4/0	JELD-WEN NON-OPERABLE, INSULATED VINYL PICTURE WINDOW			
				HARDWARE KITS QTY- 8	DEADBOLTS, KNOBS & HINGES PER PLAN	KEY CYLINDERS ALIKE YALE D112 DEADBOLT	

WALL CONSTRUCTION TYPE
- STACKED TIMBER WALL
- 2x4nom STUD BALLOON FRAMED WALL

WALL FINISH
- FRP PANEL SYSTEM
- 1" X 8' S.Y.P. T&G
- OSB ONLY
- OPEN STUDS

TIMBER WALL CALLOUTS
- 100: TIMBER WALL 100, COURSES WILL BE LABELED STARTING WITH 101 AND GOING UP, ROW 101 GOES ON FIRST
- 200: TIMBER WALL 200, COURSES WILL BE LABELED STARTING WITH 201 AND GOING UP, ROW 201 GOES ON FIRST
- 300: TIMBER WALL 300, COURSES WILL BE LABELED STARTING WITH 301 AND GOING UP, ROW 301 GOES ON FIRST
- 400: TIMBER WALL 400, COURSES WILL BE LABELED STARTING WITH 401 AND GOING UP, ROW 401 GOES ON FIRST

TROY LEE GARLAND REGISTERED No. 11400480 STATE OF INDIANA PROFESSIONAL ENGINEER
2/23/24

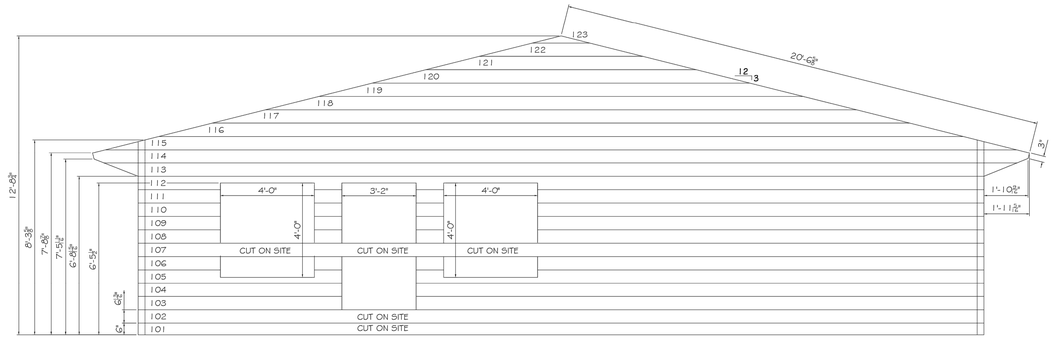
NOT TO SCALE

CFP CEDAR FOREST PRODUCTS
P.O. BOX 145
WEST OLIVE, MI 49460
800-552-9495
WWW. CEDARFORESTPRODUCTS.COM

**STRUCTURE ERECTION: INSTALLATION OF THIS STRUCTURE MUST BE DONE WITH COMPETENT SUPERVISION IN THE CONSTRUCTION TRADES. THIS SUPERVISOR MUST BE CAPABLE OF READING THE DRAWINGS & FOLLOW CEDAR FOREST PRODUCTS INSTALLATION INSTRUCTIONS USING GOOD CONSTRUCTION PRACTICES AND PROCEDURES. THE CONTRACTOR WILL BE REQUIRED TO SHIM, CUT, AND MAKE ADJUSTMENTS OF FITTING FOR PROPER BUILDING ERECTION.

DESCRIPTION: CUSTOM PAC 40' X 92'
PROJECT DETAILS: PROJECT NAME: Herz Rose Park
SALES REP: Recreation Insites
SITE LOCATION: 1515 Locust St. - Terre Haute IN. 47807

REVISION DATES REV: REV: REV: REV:
DRAWN BY: KLY DATE: 1-19-24
PRJ #: 4385
9 OF 22



WALL 100

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Land Stewards Design Group
Planning Civil Landscape
5022 ROCKVILLE ROAD
INDIANAPOLIS, IN 46224
LANDSTEWARDSDG.COM

CLIENT / OWNER
CITY OF TERRE HAUTE

PROJECT NAME
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PROJECT LOCATION
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Terre Haute, IN
47807

MEP
SIMS-DURKIN ASSOCIATES
5755 W. 74th St.
Indianapolis, IN, 46278-1755
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NO.	REVISION	DATE

KEYMAP:

ISSUE DATE
07.08.2024

PROJECT NUMBER
23-005

SHEET NAME
WALL DIMENSIONS

SHEET NUMBER
AR.04

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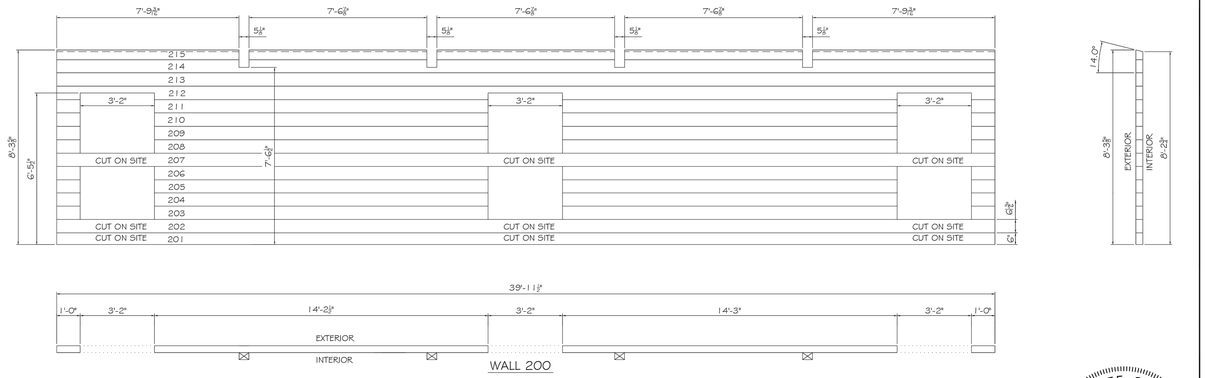
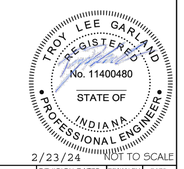
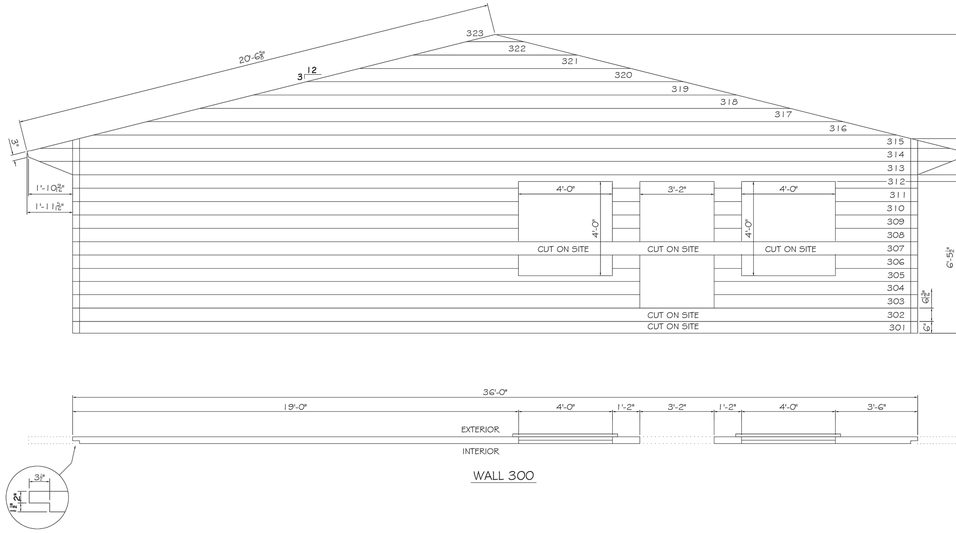
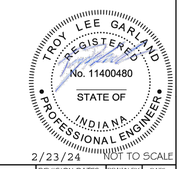




2/23/24 NOT TO SCALE

CFP CEDAR FOREST PRODUCTS	P.O. BOX 145 WEST OLIVE, MI 49460 800-552-9495 WWW. CEDARFORESTPRODUCTS.COM	**STRUCTURE ERECTION: INSTALLATION OF THIS STRUCTURE MUST BE DONE WITH COMPETENT SUPERVISOR IN THE CONSTRUCTION TRADES. THIS SUPERVISOR MUST BE CAPABLE OF READING THE DRAWINGS & FOLLOW CEDAR FOREST PRODUCTS INSTALLATION INSTRUCTIONS USING GOOD CONSTRUCTION PRACTICES AND PROCEDURES. THE CONTRACTOR WILL BE REQUIRED TO SHIM, CUT, AND MAKE ADJUSTMENTS OF FITTING FOR PROPER BUILDING ERECTION.		DESCRIPTION: CUSTOM PAC 40' X 92' PROJECT DETAILS: PROJECT NAME: Herz Rose Park SALES REP: Recreation Insites SITE LOCATION: 1515 Locust St. - Terre Haute IN. 47807	REVISION DATES REV: REV: REV: REV:	DRAWN BY: KLY DATE: 1-19-24 PRJ #: 4385 11 OF 22





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Land Stewards Design Group
Planning Civil Landscape
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KEYMAP:

ISSUE DATE
07.08.2024

PROJECT NUMBER
23-005

SHEET NAME
WALL DIMENSIONS

SHEET NUMBER
AR.05

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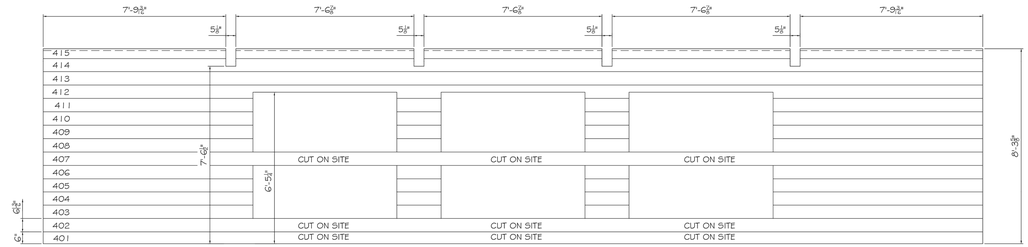
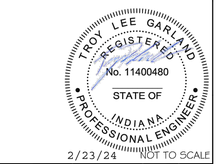


WALL 400



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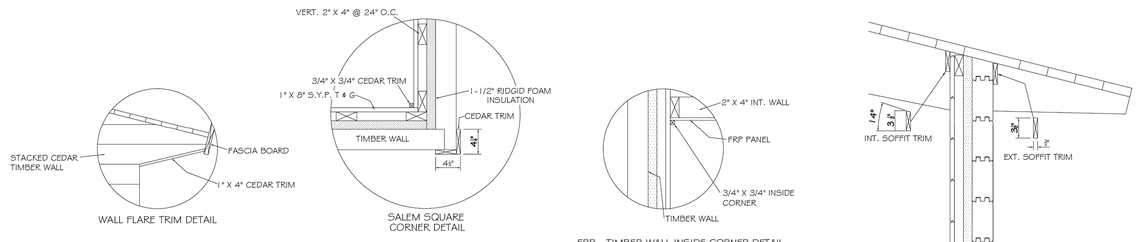

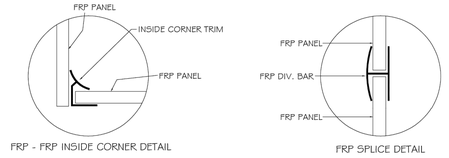

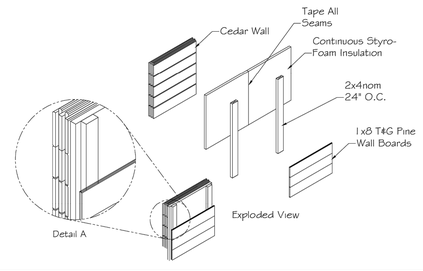

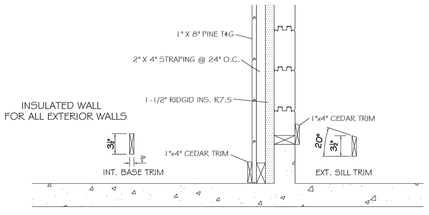

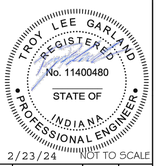

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Land Stewards Design Group
Planning Civil Landscape
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CLIENT / OWNER
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PROJECT NAME
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Terre Haute, IN
47807

MEP
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NO.	REVISION	DATE

KEYMAP:

ISSUE DATE
07.08.2024

PROJECT NUMBER
23-005

SHEET NAME
WALL DIMENSIONS & DETAILS

SHEET NUMBER
AR.06

NOTE:
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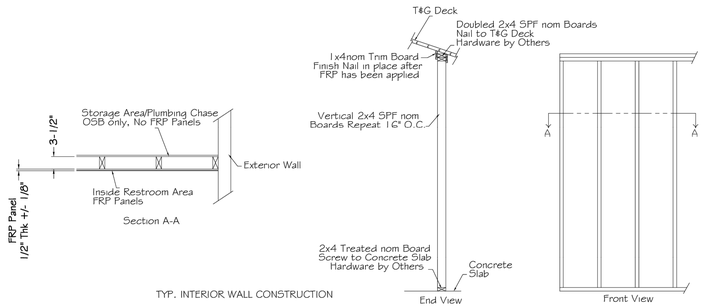
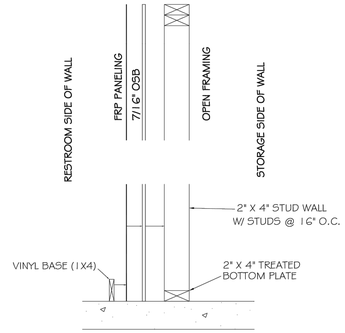


TYP. INTERIOR WALL CONSTRUCTION



TYP. INTERIOR WALL DETAIL

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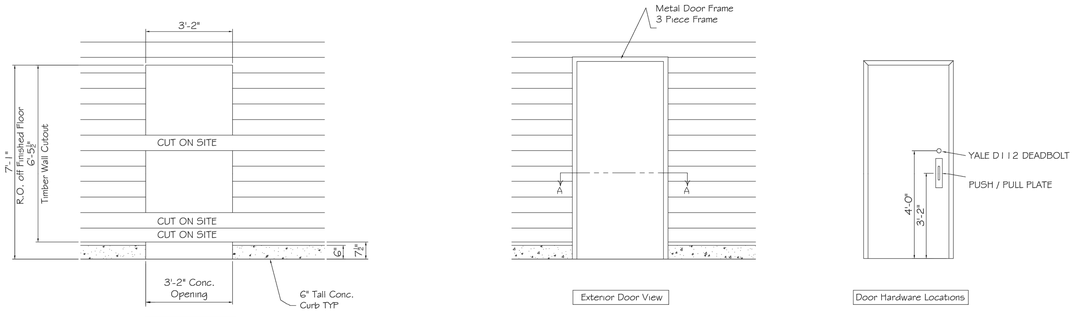
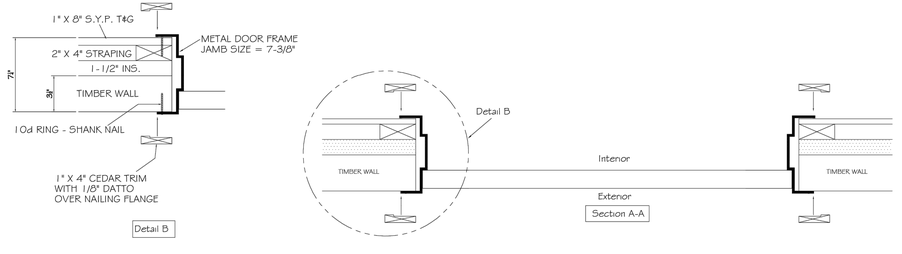
* DOORS/METAL FRAMES ARE ONLY PRIMED, MUST BE FIELD PAINTED *





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NO.	REVISION	DATE

KEYMAP:

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07.08.2024

PROJECT NUMBER
23-005

SHEET NAME
DETAILS & DOOR FRAMES

SHEET NUMBER
AR.07

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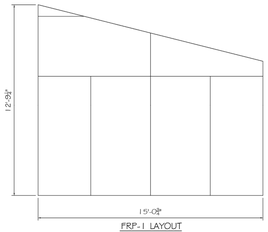
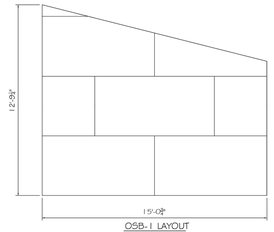
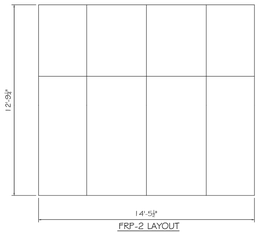


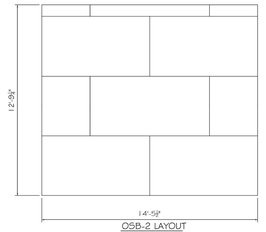
FRP-1 LAYOUT
(6) SHEET REQ'D PER WALL
(2) WALLS TOTAL



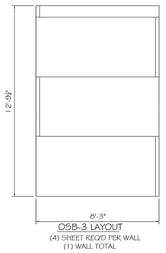
OSB-1 LAYOUT
(6) SHEET REQ'D PER WALL
(4) WALLS TOTAL



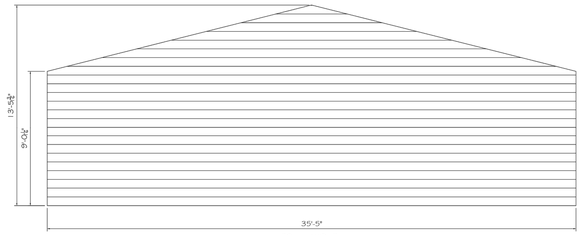
FRP-2 LAYOUT
(6) SHEET REQ'D PER WALL
(2) WALLS TOTAL



OSB-2 LAYOUT
(7) SHEET REQ'D PER WALL
(2) WALLS TOTAL



OSB-3 LAYOUT
(4) SHEET REQ'D PER WALL
(1) WALL TOTAL



TG-1 LAYOUT
400 SQ. FT. REQ'D

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2/23/24

NOT TO SCALE

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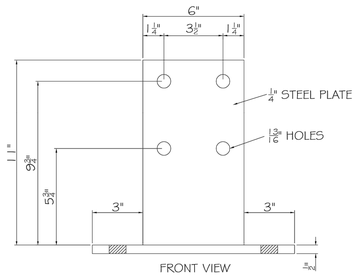
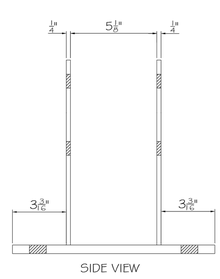
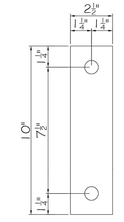
DATE: 1-19-24
PRJ #: 4385
17 OF 22



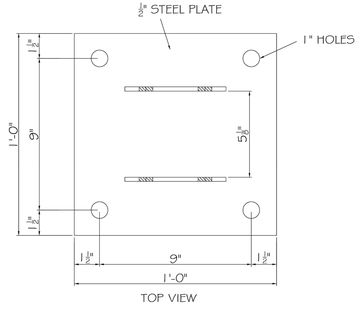
FRONT VIEW



SIDE VIEW

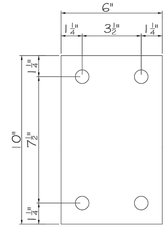


STEEL CONNECTOR (SC-3)
(16) REQUIRED
STEEL TO BE 1/4"
HOLES TO BE 13/16"Ø



TOP VIEW

STEEL BASESHOE (SC-1)
(12) REQUIRED



STEEL CONNECTOR (SC-2)
(24) REQUIRED
STEEL TO BE 1/4"
HOLES TO BE 13/16"Ø

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SITE LOCATION: 1515 Locust St. - Terre Haute IN. 47807

REVISION DATES: REV: REV: REV: REV:
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NO.	REVISION	DATE

KEYMAP:

ISSUE DATE
07.08.2024

PROJECT NUMBER
23-005

SHEET NAME
WALL LAYOUT & CONNECTION DETAILS

SHEET NUMBER
AR.08

NOTE:
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CONTACT INFO:

Dave Boeve
Cedar Forest Products
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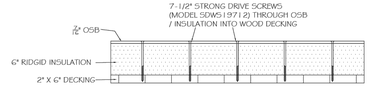
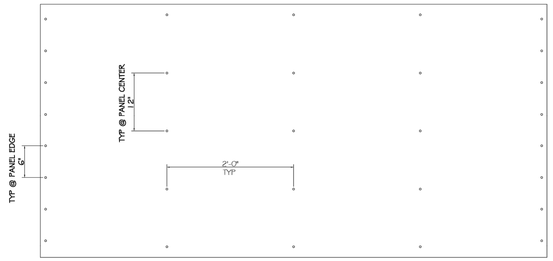
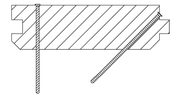
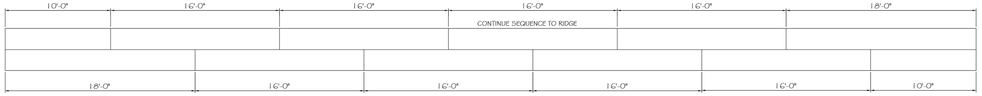
Roof Insulation / Sheathing Sequence





OSB / INSULATION FASTENING INSTRUCTIONS


EACH PIECE SHALL BE FACE NAILED
AND TOENAILED THROUGH THE TONGUE,
USING 16d NAILS AT EACH SUPPORT.
T & G Deck Board Detail
(Not to Scale)



T & G Deck Sequence

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SALES REP: Recreation Insites
SITE LOCATION: 1515 Locust St. - Terre Haute IN. 47807

REVISION DATES: REV: REV: REV: REV:
DRAWN BY: KLY | DATE: 1-19-24
PRJ #: 4335
19 OF 22

GABLE METAL ROOFING OVER WOOD DECKING

Once roof decking is installed per decking sequence lay 30# felt over decking (per manufactures suggestions).

Then temporarily attach the eave/rake trim to decking using tape, not provided. Now it's time to start installing metal roof panels.

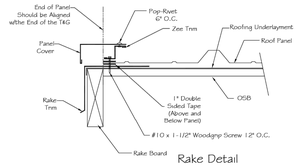
NOTE: BEFORE PERMANTLY ATTACHING METAL PANELS, CHECK FOR SQUARENESS OF PANELS IN RELATIONSHIP TO THE SHELTER.

Start in left corner, place first panel, see panel layout, male rib should be to the right.

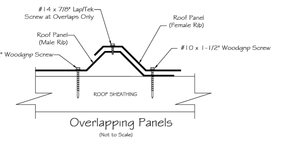
Panel should be in line with the fascia board and the rake board.
Attach the panel per the screw schedule.
Overlap the next panel, female rib over the male rib. Attach per the screw schedule.
Repeat until all panels are installed.

Attach the Panel cover along the eave lines, see details.
Attach the Panel cover along the rake lines, see details.
Install Ridge Trim at the peak, see details.

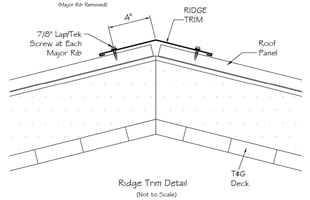
DO NOT USE IMPACT TOOLS ON WOOD SCREWS
(SCREW GUN IS RECOMMENDED)



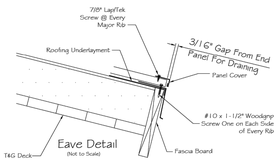
Rake Detail
(Major Rib Removed)



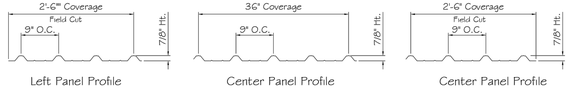
Overlapping Panels
(Not to Scale)



Ridge Trim Detail
(Not to Scale)

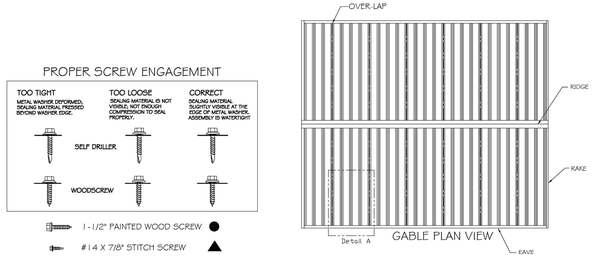


Eave Detail
(Not to Scale)

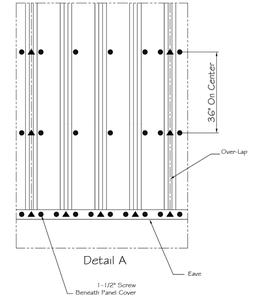


Left Panel Profile | Center Panel Profile | Center Panel Profile

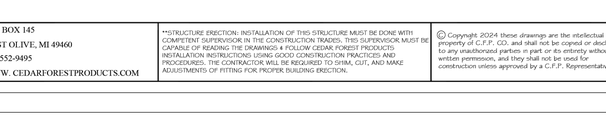
PROPER SCREW ENGAGEMENT



Screw Schedule



Detail A



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20 OF 22

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NO.	REVISION	DATE

KEYMAP:

ISSUE DATE
07.08.2024

PROJECT NUMBER
23-005

SHEET NAME
INSULATION & ROOF PLAN

SHEET NUMBER
AR.09

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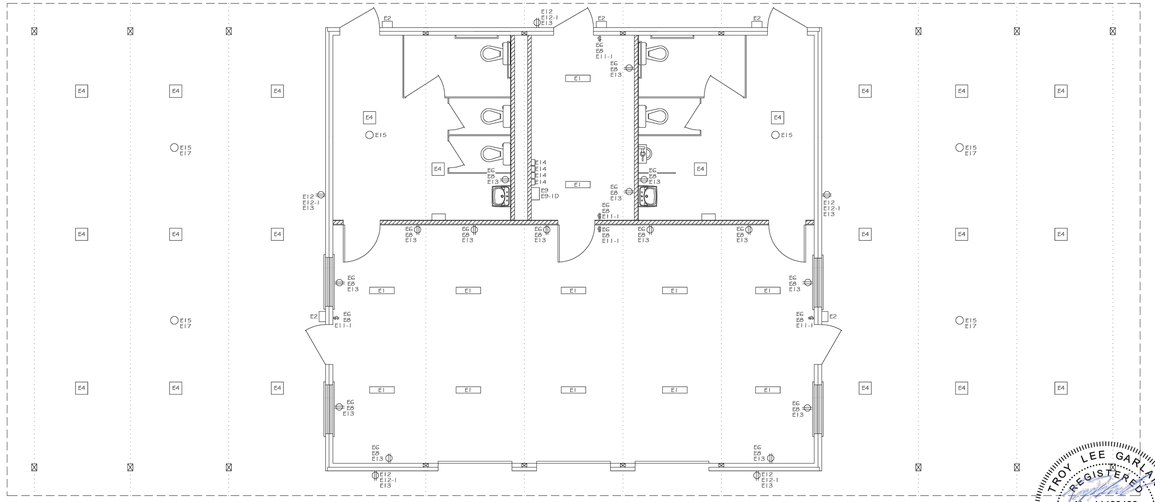

ELECTRICAL LAYOUT

TROY LEE GARLAND REGISTERED No. 11400480 STATE OF INDIANA PROFESSIONAL ENGINEER

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21 OF 22
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4385 BOM Electrical				
QTY	CALLOUT	DESCRIPTION	MODEL	SUPPLIER
12	E1	Led Light - 2'	VAPOR1A/025UNV840	Sylvania
5	E2	Full Cutoff Led- Photo Eye	XTOR1B-PC1 LED	Lumark
22	E4	Led Canopy Bronze Luminare	CNYLEDP140KMVOLTDDBM4	Lithonia
20	E6	Single gang Box - Utility	4CS1/2 APP	Various
14	E7	20 Amp Breaker 1-pole for water heater	CHF120	Cutler Hammer
20	E8	Decora Device Cover Gray	80401-NGY	Various
1	E9	100 Amp Load Center (14 Space)	CHP14B100X1	Cutler Hammer
1	E9-1C	Load Center Box Cover	CHPX1AF	Cutler Hammer
1	E9-1D	Load Center Box Cover Lock	TBL CH Cover Door Lock 2014570	Cutler Hammer
5	E11-1	Switch Gray - Three Way	5603 - 2GY	Leviton
5	E12	Outdoor Water Proof Cover	WP1110C	Intermatic
5	E12-1	1 Gang Box - Gray Exterior	DIH3-1-LM	Various
19	E13	Gfci Outlet Gray	GFTR1-GY	Leviton
4	E14	Sensor Control Unit	OPP20-D2	Leviton
6	E15	Infrared Ceiling Sensor 450 Sqft	OSC04-I0W	Leviton
4	E17	Damage Stopper (Picnic Sensor)	ODCCG	Leviton

4385 BOM Plumbing			
QTY	DESCRIPTION	MODEL	SUPPLIER
2	Handicap Toilet	AS3043001	Amer. Standard
3	Standard Toilet	AS2234001	Amer. Standard
5	Flush Valve	SL3780000	Sloan 111
5	Seat	BEM2155	Bemis
1	Urinal	AS6590001	Amer. Standard
1	Urinal Carrier	636	JR Smith
1	Flush Valve (Urinal)	SL3782655	Sloan 186
2	Lavatory	AS0355012	Amer. Standard
2	Lav. Carrier	700-M32	JR Smith
2	Lav Shield	2018ASL	TrueBro
2	Faucet	SYSLC6000	Symmons
2	Tankless Water Heater - 120 volt 20amp 2.4kw	SPEX 2412	Eemax
2	42" Grab Bar	5806 x 42	Bobrick
2	36" Grab Bar	5806 x 36	Bobrick
2	18" Vertical Grab Bar	5806 x 18	Bobrick
5	Tissue Dispenser	B-2740	Bobrick
2	Soap Dispenser	B-4112	Bobrick
0	Towel Dispenser	B-4262	Bobrick
2	Waste Disposal	B-277	Bobrick
3	Sanitary Disposal	B-270	Bobrick
2	18" X 24" Mirror	B-165 1824	Bobrick
1	Wall Hydrant	WO65P12	Woodford
2	Lav Supply Riser Lead	BCSCR1912AXCLF	BrassCraft
2	Offset Grid Drain	AS7723018	Dearborn
2	Cast P-Trap	AS4401014	Dearborn
1	Water Hammer Arrestor	SC652A	Sioux Chief
2	Electric Hand Dryers (115V)*	B-770	Bobrick

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NO.	REVISION	DATE

KEYMAP:

ISSUE DATE
07.08.2024

PROJECT NUMBER
23-005

SHEET NAME
ELECTRICAL LAYOUT & SCHEDULE

SHEET NUMBER
AR.10

ELECTRICAL KEYED NOTES:

1. NEW 3-PHASE, 4W PRIMARY, BY UTILITY. BELOW GRADE. TRENCHING AND BACKFILLING BY ELECTRICAL CONTRACTOR.
2. PAD MOUNTED UTILITY TRANSFORMER.
3. POWER FROM METER TO ELECTRICAL INSIDE BUILDING.
4. UTILITY METER.
5. (3) 3/4" x 10' COPPER CLAD STEEL GROUNDING RODS UNDERGROUND, CONNECTED 10' APART WITH CU WIRING.
6. PATHWAY LIGHTING (TYPICAL).
7. LIGHTING CIRCUIT MDP-22,24.
8. LIGHTING CIRCUIT MDP-26,28.
9. LIGHTING CIRCUIT MDP-30,32.
10. POWER CIRCUIT MDP-31,33 TO EMERGENCY STATION.
11. UNDERGROUND FEEDER TO SPLASH PAD EQUIPMENT.
12. LIGHTING CIRCUIT MDP-27,29 TO ART DISPLAY.
13. POWER CIRCUIT MDP-35,37 TO OUTDOOR EVENT POWER RECEPTACLE.
14. ART ARCH (TYPICAL OF 4).
15. FIBER OPTIC MAIN CONNECTION BOX.
16. FIBER OPTIC LINE BELOW GRADE, TRENCH AND BACKFILLING BY ELECTRICAL CONTRACTOR.
17. EMERGENCY STATION.
18. OUTDOOR EVENT POWER RECEPTACLE.
19. PARK SIGN SPOTLIGHT. INSTALL 8 FT AWAY FROM SIGN.

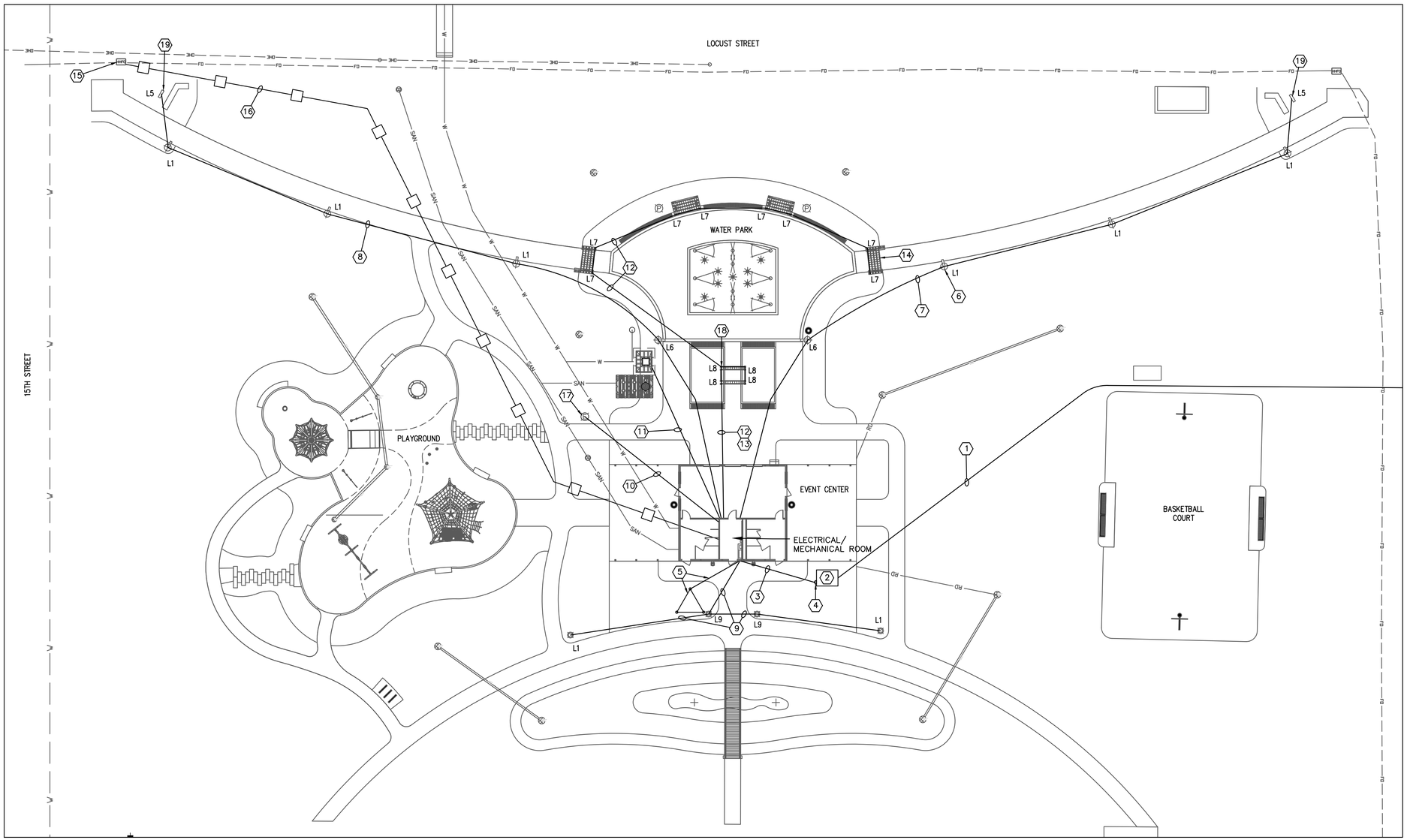
GENERAL ELECTRICAL NOTES:

A. FOR LIGHT DETAILS SEE LIGHTING SCHEDULE ON SHEET EE.07.

B. FOR WIRING AND CONDUIT SIZING SEE SHEET EE.06.

C. MAINTAIN 3' SEPARATION BETWEEN 480V POWER CONDUITS AND LOW VOLTAGE (NETWORK, 24V DC CONTROL, OR INTRINSICALLY SAFE CIRCUIT) CONDUITS. MAINTAIN 1' SEPARATION BETWEEN 120V POWER CONDUITS AND LOW VOLTAGE (NETWORK, 24V DC CONTROL, OR INTRINSICALLY SAFE CIRCUIT) CONDUITS.

D. WIRE AND CONDUIT ROUTES AND ELECTRICAL EQUIPMENT LOCATIONS ARE APPROXIMATE, FIELD VERIFY EXACT INSTALLATIONS.



N

ELECTRICAL SITE PLAN

SCALE: 1"=20'-0" WHEN PRINTED AT 24x36 0 20' 40'

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PROJECT NAME
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PROJECT LOCATION
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SIMS-DURKIN ASSOCIATES
ENGINEERING COMPANY
5755 WEST 74TH STREET
INDIANAPOLIS, INDIANA 46278
PHONE: 317-209-4035
FAX: 317-222-4120
WEB: WWW.SIMS-DURKIN.COM
SDA PROJECT NUMBER: 2023123

CERTIFIED BY:
WILLIAM R. KASSEKUM
REGISTERED
NO
PE10504708
STATE OF
INDIANA
PROFESSIONAL ENGINEER
04-17-2024

BID SET

NO.	REVISION	DATE

KEYMAP:

ISSUE DATE
04.17.2024

PROJECT NUMBER
23-005

SHEET NAME
ELECTRICAL SITE PLAN

SHEET NUMBER
EE.00

ELECTRICAL KEYED NOTES: ⬡

1. FIBER OPTIC TO ETHERNET PATCH PANEL.
2. UNDERGROUND FIBER OPTIC LINE.
3. POWER FROM METER TO MDP.
4. MAIN DISTRIBUTION PANEL (MDP). BOND NEUTRAL TO GROUND AT THIS LOCATION.
5. GROUND FROM MDP TO GROUNDING SYSTEM (SEE ELECTRICAL SITE PLAN SHEET).
6. POWER FROM MDP TO LIGHTING CONTROL PANEL.
7. LIGHTING CONTROL PANEL.
8. POWER FROM MDP TO FIBER OPTIC PANEL.

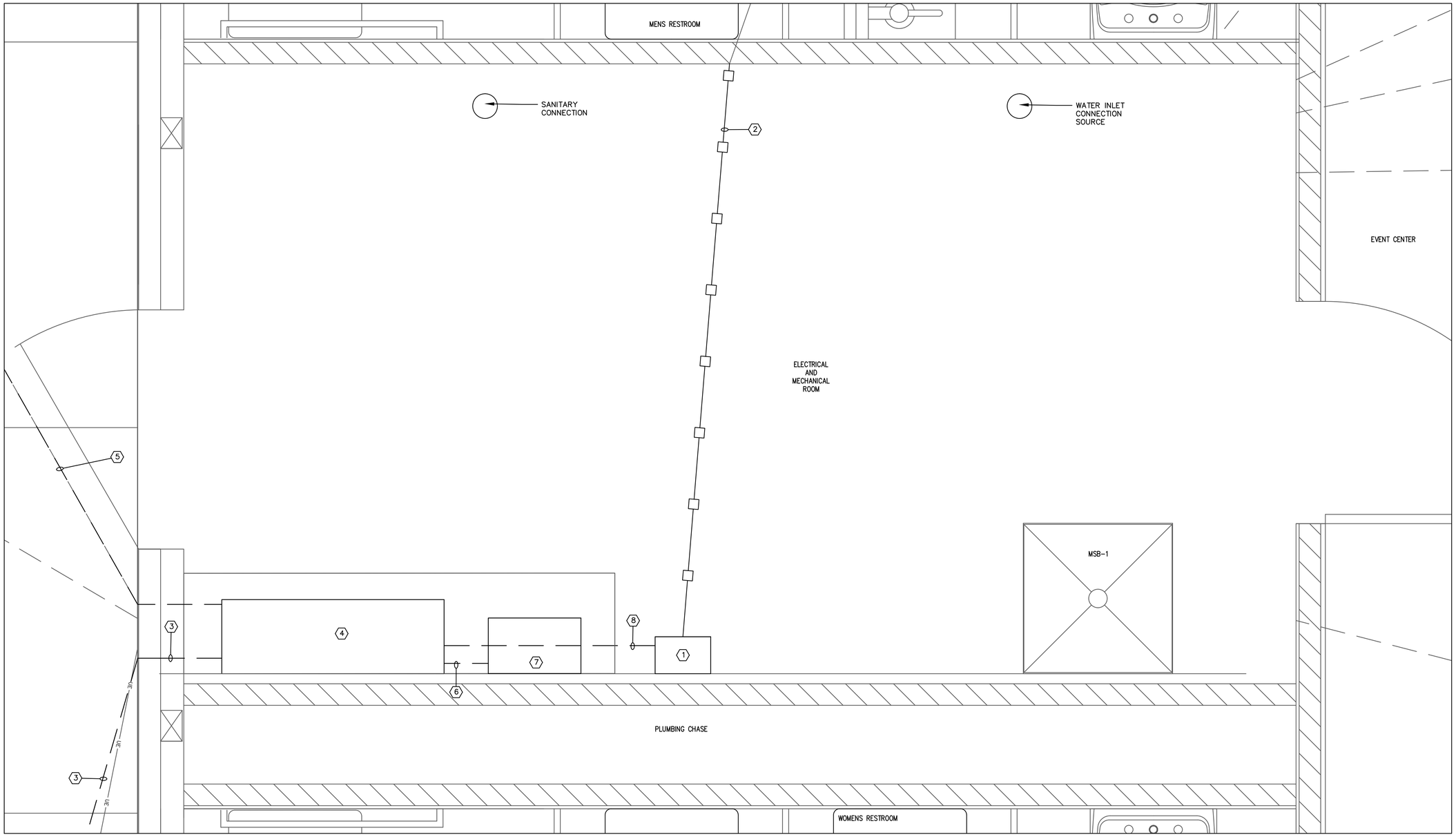
GENERAL ELECTRICAL NOTES:

A. FOR WIRING AND CONDUIT SIZING SEE SHEET EE.06.

B. WIRE AND CONDUIT ROUTES AND ELECTRICAL EQUIPMENT LOCATIONS ARE APPROXIMATE, FIELD VERIFY EXACT INSTALLATIONS.

C. FOR NETWORKING DETAILS SEE SHEET EE.05.

D. FOR PLUMBING DETAILS SEE SHEETS PL.00–PL.03



N

ELECTRICAL AND MECHANICAL ROOM SITE DETAIL

SCALE: 1 1/2"=1'-0" WHEN PRINTED AT 24x36

0 1/2" 1" 1 1/2"

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Planning Civil Landscape
5022 ROCKVILLE ROAD
INDIANAPOLIS, IN 46224
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CLIENT / OWNER
CITY OF TERRE HAUTE

PROJECT NAME
HERZ ROSE PARK

PROJECT LOCATION
1515 Locust St.
Terre Haute, IN
47807

SIMS-DURKIN ASSOCIATES ENGINEERING COMPANY
5755 WEST 74TH STREET
INDIANAPOLIS, INDIANA 46278
PHONE: 317-209-4035
FAX: 317-222-4120
WEB: WWW.SIMS-DURKIN.COM
SDA PROJECT NUMBER: 2023123

CERTIFIED BY:
WILLIAM R. KASSEKAMP
REGISTERED
NO
PE10504708
STATE OF
INDIANA
PROFESSIONAL ENGINEER
04-17-2024

BID SET

NO.	REVISION	DATE

KEYMAP:

ISSUE DATE
04.17.2024

PROJECT NUMBER
23-005

SHEET NAME
ELECTRICAL AND MECHANICAL ROOM SITE DETAIL

SHEET NUMBER
EE.01

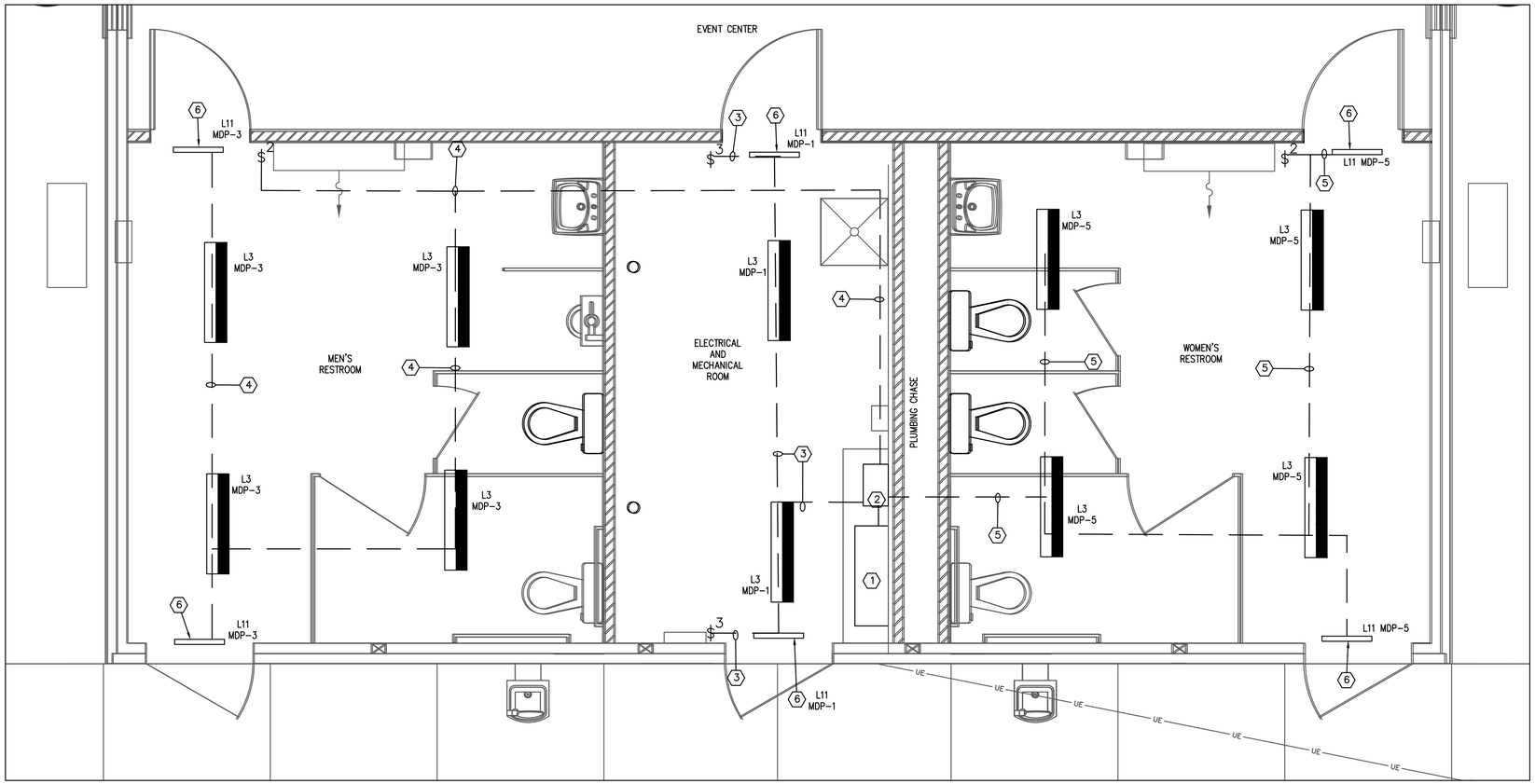
ELECTRICAL KEYED NOTES:

1. MAIN DISTRIBUTION PANEL.
2. LIGHTING CONTROL PANEL.
3. ELECTRICAL/MECHANICAL ROOM LIGHTING CIRCUIT MDP–1
4. MEN'S RESTROOM LIGHTING CIRCUIT MDP–3
5. WOMEN'S RESTROOM LIGHTING CIRCUIT MDP–5
6. EMERGENCY EXIT SIGN.

GENERAL ELECTRICAL NOTES:

A. FOR LIGHTING SCHEDULE SEE SHEET EE.07.

B. FOR LIGHTING AND ELECTRICAL EQUIPMENT DETAILS SEE SHEETS EE.07–EE.09.



N

RESTROOM LIGHTING SITE DETAIL

SCALE: 1/2"=1'-0" WHEN PRINTED AT 24x36

0 1' 2' 4'

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PROJECT NUMBER
23-005

SHEET NAME
RESTROOM LIGHTING SITE DETAIL

SHEET NUMBER
EE.02

ELECTRICAL KEYED NOTES:

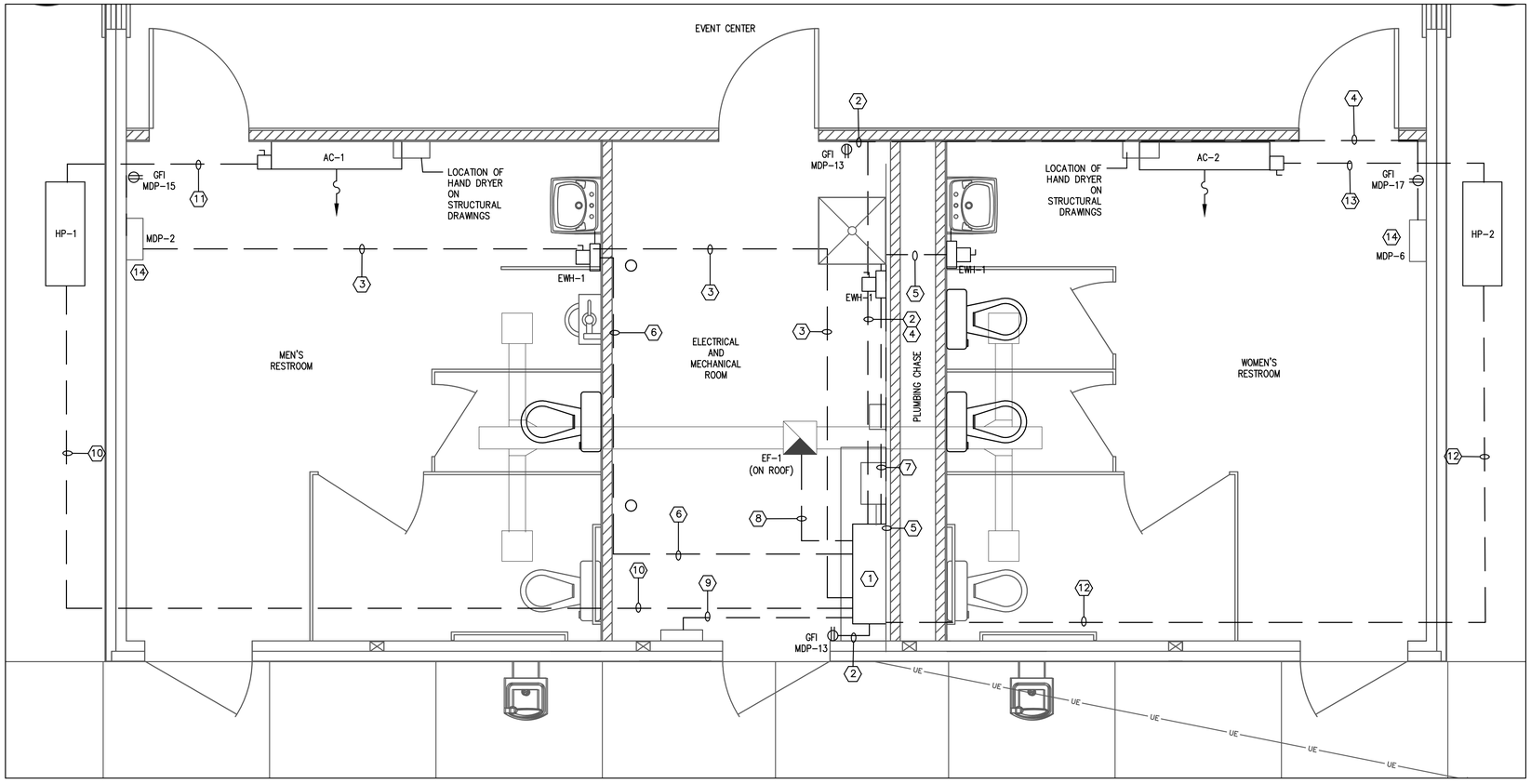
1. MAIN DISTRIBUTION PANEL.
2. POWER CIRCUITS MDP-13 TO ELECTRICAL/MECHANICAL ROOM OUTLETS
3. POWER CIRCUITS MDP-2, MDP-4 TO BATHROOM HAND DRYERS, AND POWER CIRCUIT MDP-15 TO MEN'S RESTROOM OUTLET.
4. POWER CIRCUITS MDP-6, MDP-8 TO BATHROOM HAND DRYERS, AND POWER CIRCUIT MDP-17 TO WOMEN'S RESTROOM OUTLET.
5. POWER CIRCUIT MDP-12 TO WOMEN'S RESTROOM ON-DEMAND WATER HEATER.
6. POWER CIRCUIT MDP-10 TO MEN'S RESTROOM ON-DEMAND WATER HEATER.
7. POWER CIRCUIT MDP-14 TO UTILITY ROOM ON-DEMAND WATER HEATER.
8. POWER CIRCUIT MDP-44,46 TO EXHAUST FAN ON ROOF
9. POWER CIRCUIT MDP-48,50 TO UTILITY ROOM HEATER
10. POWER CIRCUIT MDP-43,45 TO MEN'S RESTROOM HVAC OUTDOOR UNIT.
11. POWER CIRCUIT MDP-43,45 TO MEN'S RESTROOM HVAC INDOOR UNIT FROM OUTDOOR UNIT HP-1.
12. POWER CIRCUIT MDP-39,41 TO WOMEN'S RESTROOM HVAC OUTDOOR UNIT
13. POWER CIRCUIT MDP-39,41 TO WOMEN'S RESTROOM HVAC INDOOR UNIT FROM OUTDOOR UNIT HP-2.
14. HAND DRYER.

GENERAL ELECTRICAL NOTES:

A. FOR LIGHTING SCHEDULE SEE SHEET EE.07.

B. FOR LIGHTING AND ELECTRICAL EQUIPMENT DETAILS SEE SHEETS EE.07-EE.09.

C. FOR MECHANICAL EQUIPMENT DETAILS SEE SHEETS ME.00-ME.01



N

RESTROOM POWER SITE DETAIL

SCALE: 1/2"=1'-0" WHEN PRINTED AT 24x36

0 1' 2' 4'

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23-005

SHEET NAME
RESTROOM POWER SITE DETAIL

SHEET NUMBER
EE.03

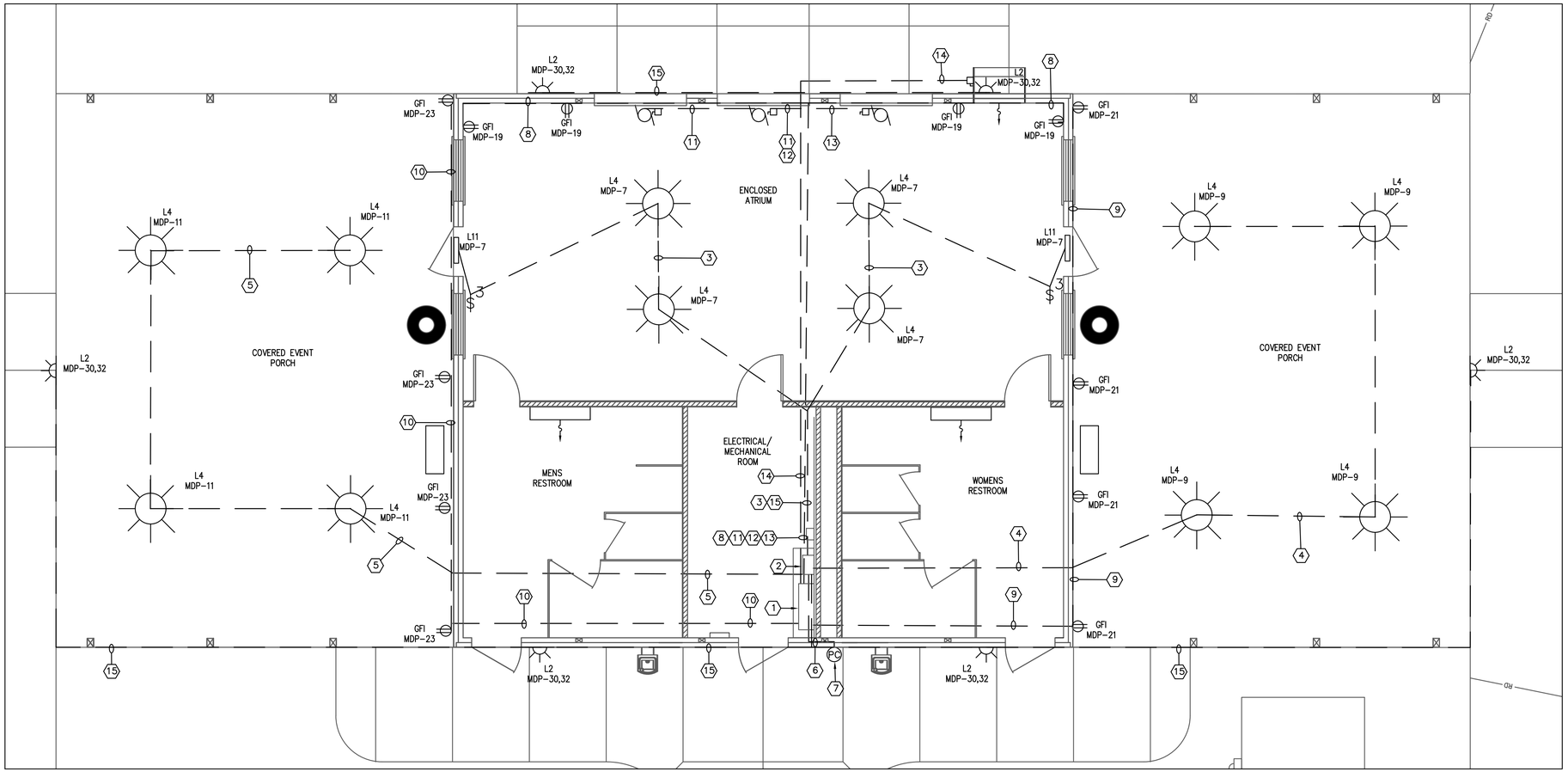
ELECTRICAL KEYED NOTES: ⬡

1. MDP PANEL.
2. LIGHTING CONTROL PANEL.
3. EVENT CENTER LIGHTING CIRCUIT MDP–7
4. EVENT CENTER LIGHTING CIRCUIT MDP–9
5. EVENT CENTER LIGHTING CIRCUIT MDP–11
6. PHOTOVOLTAIC CONTROL CIRCUIT TO LIGHTING PANEL FOR LIGHTING CIRCUITS MDP–22,24 MDP–26,28, MDP–30,32, MDP–9, MDP–11
7. PHOTOVOLTAIC CELL FOR DUSK–TO–DAWN LIGHTING
8. POWER CIRCUIT MDP–19 FOR ENCLOSED ATRIUM RECEPTACLES.
9. POWER CIRCUIT MDP–21 FOR EVENT CENTER RECEPTACLES.
10. POWER CIRCUIT MDP–23 FOR EVENT CENTER RECEPTACLES
11. POWER CIRCUIT MDP–16 FOR OVERHEAD DOOR MOTOR
12. POWER CIRCUIT MDP–18 FOR OVERHEAD DOOR MOTOR
13. POWER CIRCUIT MDP–20 FOR OVERHEAD DOOR MOTOR
14. POWER CIRCUIT MDP–40,42 FOR ATRIUM HVAC.
15. POWER CIRCUIT MDP–30,32 TO SOUTH OUTDOOR LIGHTING AND EVENT CENTER EXTERIOR WALL LIGHTS.

GENERAL ELECTRICAL NOTES:

A. FOR LIGHTING SCHEDULE SEE SHEET EE.07.

B. FOR LIGHTING AND ELECTRICAL EQUIPMENT DETAILS SEE SHEETS EE.07–EE.09.



N

EVENT CENTER POWER AND LIGHTING SITE DETAIL

SCALE: 1/4"=1'-0" WHEN PRINTED AT 24x36

0 2' 4' 8'

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ISSUE DATE 04.17.2024

PROJECT NUMBER 23-005

SHEET NAME
EVENT CENTER POWER AND LIGHTING SITE DETAIL

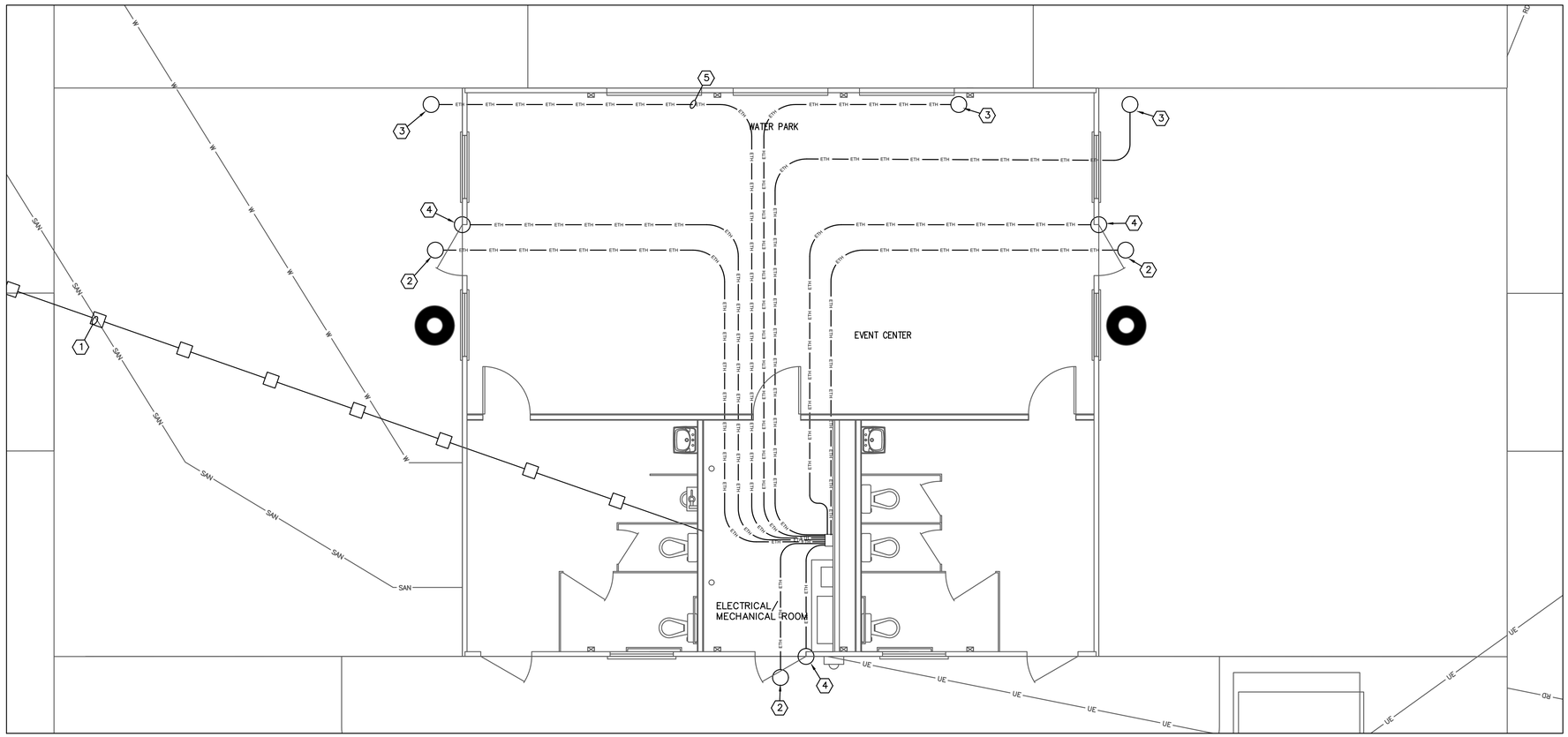
SHEET NUMBER
EE.04

ELECTRICAL KEYED NOTES:

1. NEW FIBER OPTIC LINE
2. SECURITY CAMERA SYSTEM.
3. WIFI INTERNET NETWORK.
4. DOOR ACCESS NETWORK.
5. CAT6 ETHERNET CABLE.

GENERAL ELECTRICAL NOTES:

A. FOR NETWORK EQUIPMENT DETAILS SEE SHEET EE.09.



N

NETWORKING SITE PLAN

SCALE: 1/4"=1'-0" WHEN PRINTED AT 24x36

0 2' 4' 8'

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PROJECT NUMBER
23-005

SHEET NAME
NETWORKING SITE PLAN

SHEET NUMBER
EE.05

ELECTRICAL KEYED NOTES:

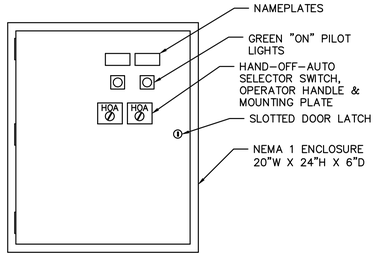
1. NEW 3–PHASE PRIMARY DROP TO THE TRANSFORMER
2. NEW 75KVA 120/208V, 3PH, 4W PAD MOUNTED ELECTRIC TRANSFORMER.
3. 4–#250 CU IN 3" C FROM TRANSFORMER TO METER
4. ELECTRIC METER.
5. 250A, 35KAIC MINIMUM MAIN DISTRIBUTION PANEL (MDP).
6. #2 CU FROM DISCONNECT TO GROUNDING RODS.
7. (3) 10' 3/4" COPPER CLAD STEEL GROUNDING RODS UNDERGROUND, CONNECTED 10' APART WITH CU WIRING.
8. 5–#4 CU, #8 CU GND IN 1–1/2" C SPLASH PAD FEEDER TO INTEGRAL DISCONNECT SWITCH AT SPLASH PAD VAULT.
9. SPLASH PAD
10. 3–#3 CU, #8 CU GND IN 1–1/4" C
11. 100A NON–FUSED DISCONNECT
12. HVAC – ENCLOSED ATRIUM (PTAC–1)
13. 3–#10 CU, #10 CU GND IN 3/4" C
14. 30A NON–FUSED DISCONNECT.
15. HVAC – MEN'S RESTROOM (HP–1 AND AC–1)
16. HVAC – WOMEN'S RESTROOM (HP–2 AND AC–2)
17. 3–#12 CU, #12 CU GND IN 3/4" C
18. ELECTRIC HEATER – UTILITY ROOM (EH–1)
19. ON–DEMAND WATER HEATER – WOMEN'S RESTROOM (EWH–1)
20. ON–DEMAND WATER HEATER – MEN'S RESTROOM (EWH–1)
21. ON–DEMAND WATER HEATER – UTLITY ROOM (EWH–1)
22. EXHAUST FAN (EF–1)
23. ATRIUM OVERHEAD DOOR #1 (OHD–1)
24. ATRIUM OVERHEAD DOOR #2 (OHD–2)
25. ATRIUM OVERHEAD DOOR #3 (OHD–3)
26. 3–#6 CU, #8 CU GND IN 1" C.
27. 3–#3 CU, #8 CU GND IN 1–1/2" C.
28. 3–#4 CU, #8 CU GND IN 1–1/2" C.
29. 3–#6 CU, #8 CU GND IN 1–1/4" C.

MAIN DISTRIBUTION PANELBOARD SCHEDULE

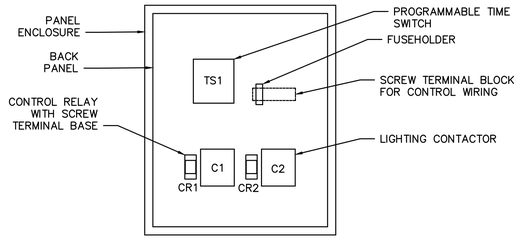
PANEL: MDP | LOCATION: Utility Room | MOUNTING: ■ SURFACE ☐ FLUSH | RATING: 250A., 120/208V 3PH., 4W. | MAIN: ■ 250A. M.C.B. ☐ 250A. M.L.O. | REMARKS: PROVIDE OPTIONS MARKED WITH ■

LOAD DESIGNATION	CKT. BKR.	CKT. NO.	PHASE A	PHASE B	PHASE C	CKT. NO.	CKT. BKR.	LOAD DESIGNATION
Lights - Interior Elec. Rm. ⟨13⟩	1P-20	1	0.2	1.4		2	1P-20	Hand Dryer - Mens' Restroom ⟨13⟩
Lights - Interior Mens' Restroom ⟨13⟩	1P-20	3		0.4	0.0	4	1P-20	Spare
Lights - Interior Womens' Restroom ⟨13⟩	1P-20	5			0.4 1.4	6	1P-20	Hand Dryer - Womens' Restroom ⟨13⟩
Lights - Interior/Exterior Enclosed Atrium ⟨26⟩	1P-20	7	0.6	0.0		8	1P-20	Spare
Lights - Interior/Exteriror East Porch ⟨26⟩	1P-20	9		0.4	2.4	10	1P-25	On Demand Water Heater - Mens' Restroom
Lights - Interior/Exterior West Porch ⟨26⟩	1P-20	11			0.4 2.4	12	1P-25	On Demand Water Heater - Womens' Restroom
Receptacles - Interior Elec. Rm. ⟨17⟩	1P-20	13	0.4	2.4		14	1P-25	On Demand Water Heater - Utility Room
Receptacles - Interior Mens' Restroom ⟨13⟩	1P-20	15		0.4	1.2	16	1P-25	Atrium Overhead Door #1
Receptacles - Interior Womens' Restroom ⟨13⟩	1P-20	17			0.4 1.2	18	1P-25	Atrium Overhead Door #2
Receptacles - Interior Enclosed Atrium ⟨26⟩	1P-20	19	1.1	1.2		20	1P-25	Atrium Overhead Door #3
Receptacles - Interior East Porch ⟨26⟩	1P-20	21		0.7	0.3	22	2P-20	North East Pedestal Lights ⟨28⟩
Receptacles - Interior West Porch ⟨26⟩	1P-20	23			0.7 0.3	24		
USB Charging Pedestals ⟨27⟩	1P-20	25	1.4	0.3		26	2P-20	North West Pedestal Lights ⟨28⟩
Event Space - Exterior Archway Lighting ⟨28⟩	2P-20	27		0.6	0.3	28		
		29			0.6 0.3	30	2P-20	South Exterior and Pedestal Lights ⟨29⟩
Emergency Phone Pedestals ⟨13⟩	2P-20	31	0.3	0.3		32		
		33		0.3	3.6	34	3P-50	SpashPad Power Feed
Exterior Event Space - Utility Receptacle ⟨26⟩	2P-30	35			2.6 3.6	36		
		37	2.6	3.6		38		
HVAC - Women's Restroom (HP-2, AC-2)	2P-20	39		1.2	6.6	40	2P-80	HVAC - Enclosed Atrium (PTAC-1)
		41			1.2 6.6	42		
HVAC - Men's Restroom (HP-2, AC-1)	2P-20	43	1.2	0.2		44	2P-15	Exhaust Fan (EF-1)
		45		1.2	0.2	46		
Lighting Conrol Panel ⟨17⟩	1P-20	47			0.2 1.6	48	2P-20	Elecric Heater - Elec. Rm. (EH-1)
Ethernet and Fiber Patch Panel ⟨17⟩	1P-20	49	0.2	1.6		50		
Spare	1P-20	51		0.0	0.0	52	2P-20	Spare
Spare	1P-20	53			0.0 0.0	54		
		kVA	18.8	19.6	23.8			

☐ 200% NEUTRAL BUSBAR ■ 100% NEUTRAL BUSBAR ■ EQUIPMENT GROUND BUSBAR ■ INTEGRAL SURGE PROTECTION
☐ 10,000 A.I.C. ■ 35,000 A.I.C. ☐ ISOLATED GROUND BUSBAR
☐ SWITCH-DUTY C.Bs ■ BOLT-IN C.Bs ■ NEMA 1 ☐ NEMA 4X SS
■ CU. BUSBARS & LUGS ☐ AL. BUSBARS & LUGS ☐ NEMA 3R

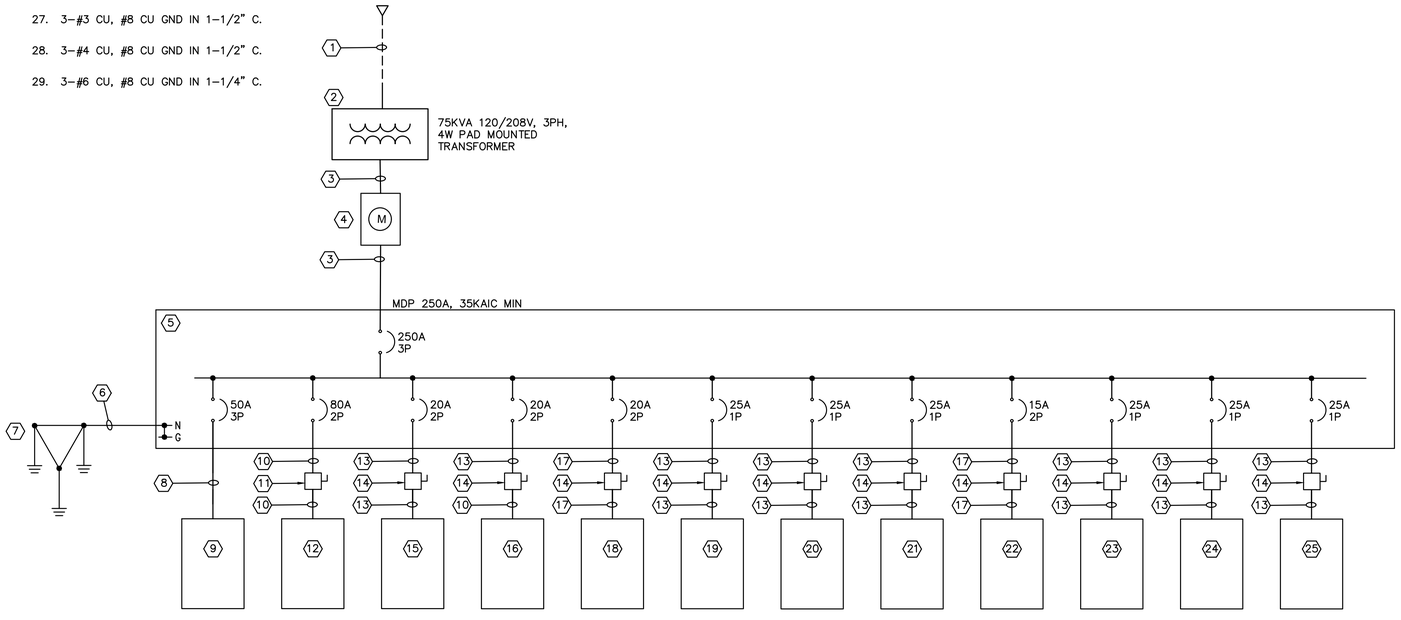


EXTERIOR PANEL LAYOUT



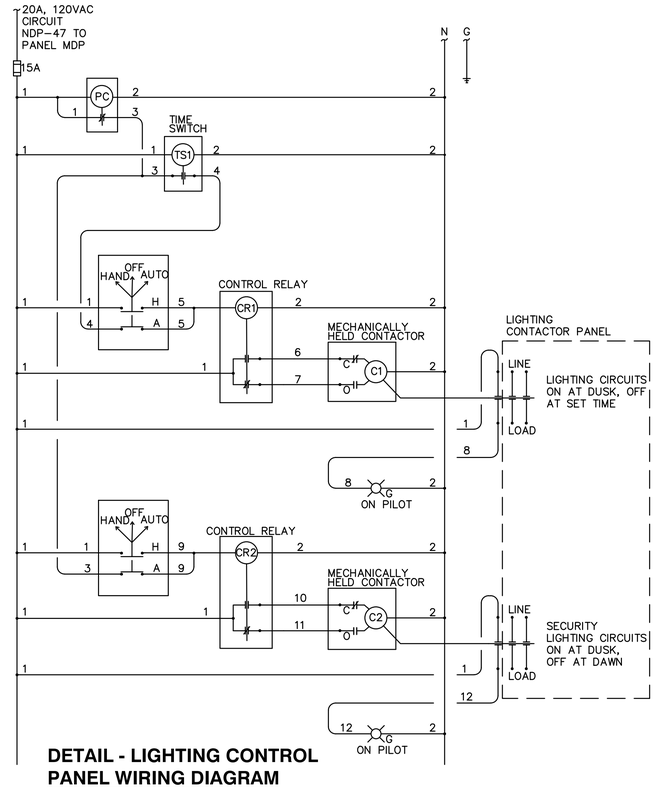
INTERIOR PANEL LAYOUT

DETAIL - LIGHTING CONTROL PANEL LAYOUT
SCALE: NONE



DETAIL - ELECTRICAL ONE-LINE
SCALE: NONE

ELECTRICAL ONE-LINE
NO SCALE



DETAIL - LIGHTING CONTROL PANEL WIRING DIAGRAM
SCALE: NONE

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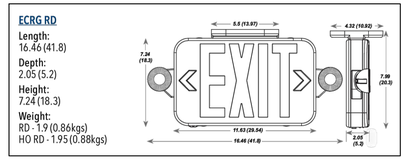
SHEET NAME
ELECTRICAL ONE-LINE

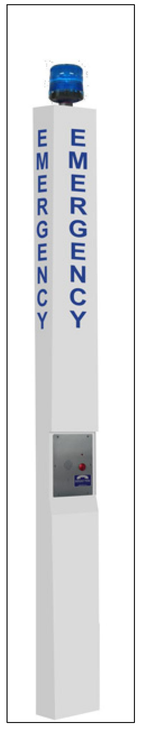
SHEET NUMBER
EE.06

LIGHTING SCHEDULE

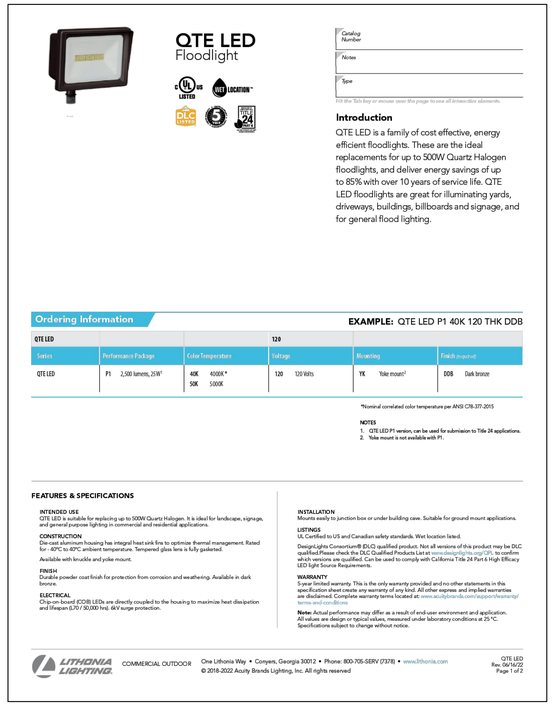
ITEM	MANUFACTURER NAME & NUMBER	QTY		LUMENS	WATTS	VOLTAGE	AMPS
L1	LIGMAN LIGHT LINEAR PT BOLLARD (ULI-21231-29w-T3-W40- OR EQUIVALENT)	8	TRAIL LIGHTING AND PARKING LOT LIGHTING SHEET EE.00	3169	28.7	120,277	
L2	LUMARK XTOR2B OR EQUIVALENT CROSSTOUR WALL LED FLOODLIGHT	6	EVENT CENTER EXTERIOR WALL LIGHTING SHEET EE.04	2135	18	120277	
L3	SYLVANIA 48" LUMINAIRES	10	RESTROOM AND UTILITY ROOM LIGHTING SHEET EE.02	2850	23	208	0.2600
L4	BEACON SRTT-35-4K7-SQW-UNV	12	EVENT CENTER OVERHEAD LIGHTING SHEET EE.04	4553	35	120,277	
L5	LITHONIA QTE LED P1 40K 120 FLOODLIGHT	2	LIGHTING FOR PARK ENTRANCE SIGNS SHEET EE.00	2500	25	120	
L6	LIGMAN UDE-20001-54W-T3-W40-**-120/277V SPD-RSS-4512-16'-4.5"-.125-TOP CAP-**	2	SPLASH PARK ENTRANCE LIGHTING SHEET EE.00	5895	40	120,277	
L7	WEEF 186-0371 186-0306	8	ART ARCH LIGHTING SHEET EE.00	2192	23.5	120,277	.0225
L8	LIGMAN UHA-60385-8W-*-W-W40-**-120/277V	4	MAIN ART ARCH LIGHTING SHEET EE.00	733	8	120,277	
L9	LIGMAN ULI-10021-29W-T3-240-**-120/277V	2	PARKING LOT LIGHTING SHEET EE.00	3164	27.7	120,277	
L10	LITHONIA CONTRACTOR SELECT ECRG RD M6 EMERGENCY EXIT SIGN	8	EXIT LIGHTING FOR EVENT CENTER, SHEETS EE.02 AND EE.04	1FC, AVG	2	120, 277	.03, .02



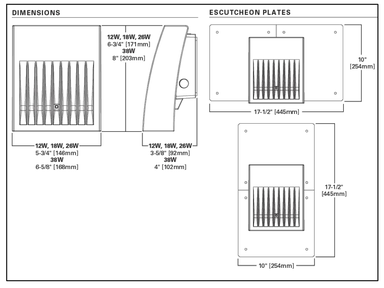
L11 EMERGENCY EXIT LIGHT DETAIL
SCALE: NONE



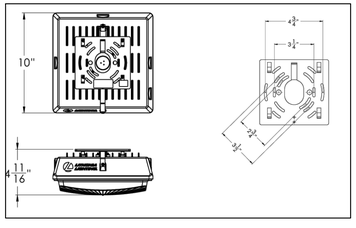
EMERGENCY POST
SCALE: NONE



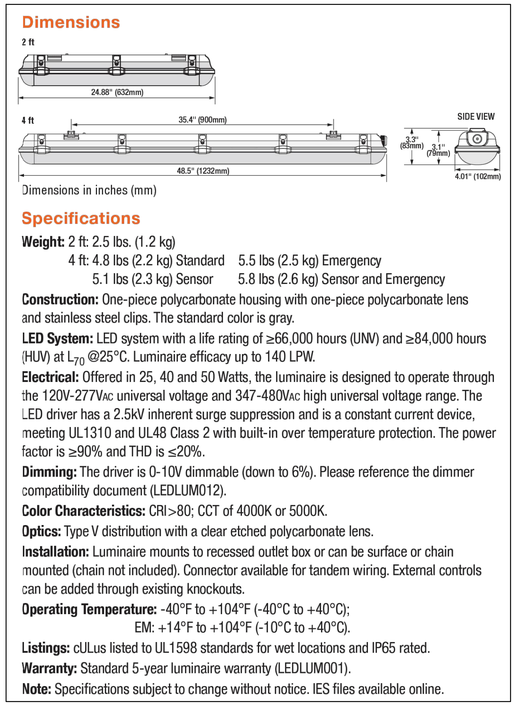
L5 PARK SIGN SPOTLIGHT DETAIL
SCALE: NONE



L2 OVER-DOOR LIGHT DETAIL
SCALE: NONE



L4 LUMINAIRE DETAIL
SCALE: NONE



L3 INTERIOR LUMINAIRE DETAIL
SCALE: NONE

ELECTRICAL DETAILS
NO SCALE

Land Stewards Design Group
Planning Civil Landscape
5022 ROCKVILLE ROAD
INDIANAPOLIS, IN 46224
LANDSTEWARDSDG.COM

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CITY OF TERRE HAUTE

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Terre Haute, IN
47807

SIMS-DURKIN ASSOCIATES ENGINEERING COMPANY
5755 WEST 74TH STREET
INDIANAPOLIS, INDIANA 46278
PHONE: 317-209-4035
FAX: 317-222-4120
WEB: WWW.SIMS-DURKIN.COM
SDA PROJECT NUMBER: 2023123

CERTIFIED BY:
WILLIAM R. KASSEBAUM
REGISTERED
NO
PE10504708
STATE OF
INDIANA
PROFESSIONAL ENGINEER
04-17-2024

BID SET

NO.	REVISION	DATE

KEYMAP:

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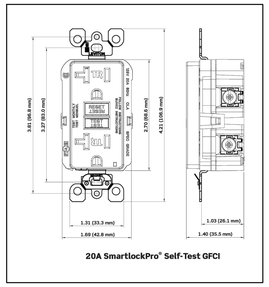
04.17.2024

PROJECT NUMBER
23-005

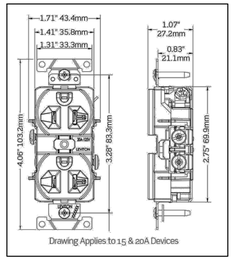
SHEET NAME
ELECTRICAL DETAILS

SHEET NUMBER
EE.07

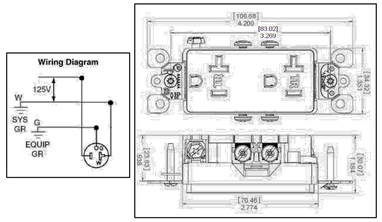
OUTDOOR RECEPTACLE DETAIL
SCALE: NONE



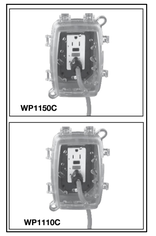
(A) INDOOR GFCI RECEPTACLE DETAIL
SCALE: NONE



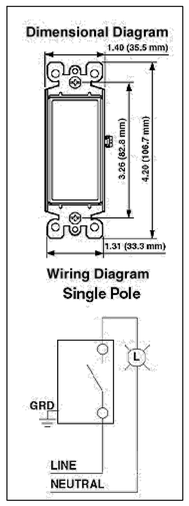
(A) INDOOR RECEPTACLE DETAIL
SCALE: NONE



(A) TAMPER RESISTANT RECEPTACLE DETAIL
SCALE: NONE



WEATHERPROOF RECEPTACLE COVER DETAIL
SCALE: NONE



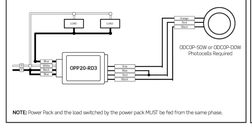
(A) LIGHT SWITCH DETAILS
SCALE: NONE

PRODUCT DATA

APPLICATION DIAGRAMS

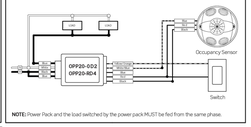
OPP20-0D1 • OPP20-0D2 • OPP20-RD3 • OPP20-RD4

Photocell ONLY Room Control



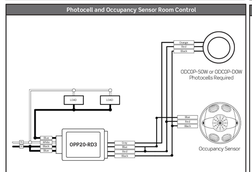
NOTE: Power Pack and the load switched by the power pack MUST be fed from the same phase.

Manual ON/Auto OFF with Local Switch



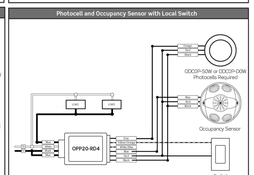
NOTE: Power Pack and the load switched by the power pack MUST be fed from the same phase.

Photocell and Occupancy Sensor Room Control



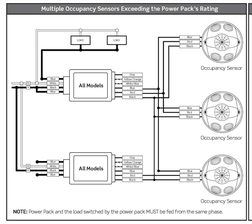
NOTE: Power Pack and the load switched by the power pack MUST be fed from the same phase.

Photocell and Occupancy Sensor with Local Switch



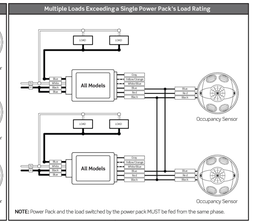
NOTE: Power Pack and the load switched by the power pack MUST be fed from the same phase.

Multiple Occupancy Sensors Exceeding the Power Pack's Rating



NOTE: Power Pack and the load switched by the power pack MUST be fed from the same phase.

Multiple Loads Exceeding a Single Power Pack's Load Rating



NOTE: Power Pack and the load switched by the power pack MUST be fed from the same phase.

POWER PACK CAPACITY FORMULA

Leviton power packs can be used to provide power to one or more occupancy sensors. Since current consumptions of occupancy sensors may vary, the best way to ensure you order the correct number of power packs and add-a-relays is by using this formula:

(# of sensor Model As × Sensor A current consumption) + (# of sensor Model Bs × Sensor B current consumption) + (# of Add a Relays × 50mA) ≤ 225mA

Power supply output per below chart

DESCRIPTION	CURRENT CONSUMPTION
OSC04-I, OSC15-I, OSWHB-I, OSWLR-I, OSWWV-I	10-15mA
OSC05-M, OSC05-U, OSW12-M	25mA
OSC10-M, OSC10-U	35mA
OSC20-M, OSC20-U	30mA
OSA20-R Add-a-Relay	50mA
ODCOP-S0W Switching Photocell	10mA
ODCOP-D0W Dimming Photocell	10mA

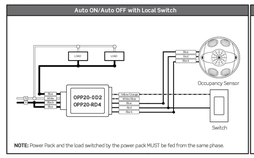
OCCUPANCY MONITOR CONTROL SWITCH DETAILS
SCALE: NONE

LEVITON

APPLICATION DIAGRAMS

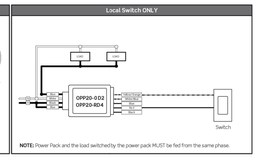
OPP20-0D1 • OPP20-0D2 • OPP20-RD3 • OPP20-RD4

Auto ON/Auto OFF with Local Switch



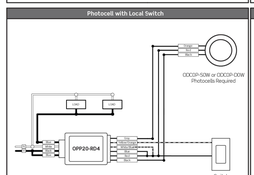
NOTE: Power Pack and the load switched by the power pack MUST be fed from the same phase.

Local Switch ONLY



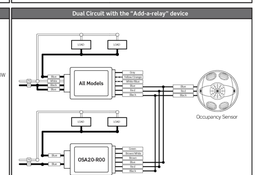
NOTE: Power Pack and the load switched by the power pack MUST be fed from the same phase.

Photocell with Local Switch



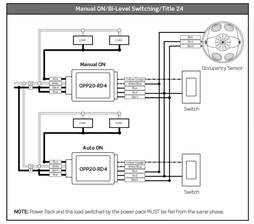
NOTE: Power Pack and the load switched by the power pack MUST be fed from the same phase.

Dual Circuit with the "Add-a-relay" device



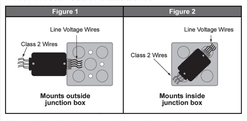
NOTE: Power Pack and the load switched by the power pack MUST be fed from the same phase.

Manual ON/Bi-Level Switching/Title 24

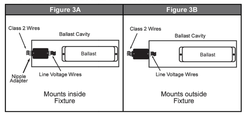


NOTE: Power Pack and the load switched by the power pack MUST be fed from the same phase.

JUNCTION BOX INSTALLATION

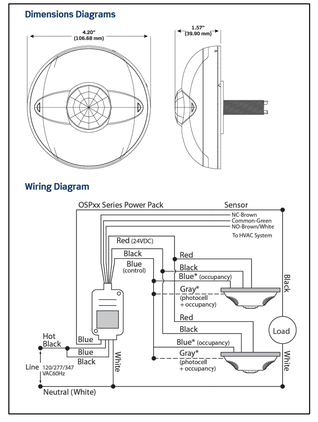


FLUORESCENT BALLAST INSTALLATION



For additional wiring diagrams, see the Occupancy Sensors Application Cookbook at www.leviton.com/lesdrawings.

Leviton Manufacturing Co., Inc. Energy Management, Controls and Automation
201 North Service Road, Melville, NY 11747-3138 **tech line** 800-824-3005 **fax** 800-832-9538



OCCUPANCY MONITOR DETAILS
SCALE: NONE

GENERAL ELECTRICAL NOTES:

A. SEE CEDAR FOREST FIXTURE PACKAGES FOR PRODUCT DETAILS

ELECTRICAL DETAILS CONT
NO SCALE

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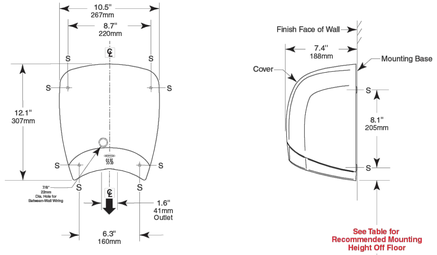
SHEET NAME
ELECTRICAL DETAILS CONT

SHEET NUMBER
EE.08

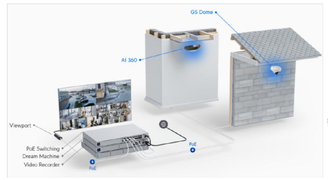
*RECOMMENDED MOUNTING HEIGHTS		
Children's Washrooms, ages 3-4	36"	(915mm)
Children's Washrooms, ages 5-8	40"	(1015mm)
Children's Washrooms, ages 9-12	44"	(1120mm)
Universal Design	48"	(1219mm)

*Bottom screw hole of mounting base to finish face of floor

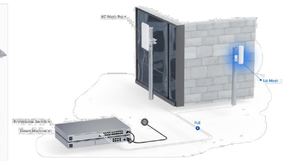


A HAND DRYER DETAIL
SCALE: NONE

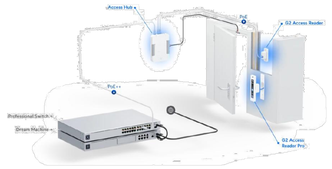
Security Camera System

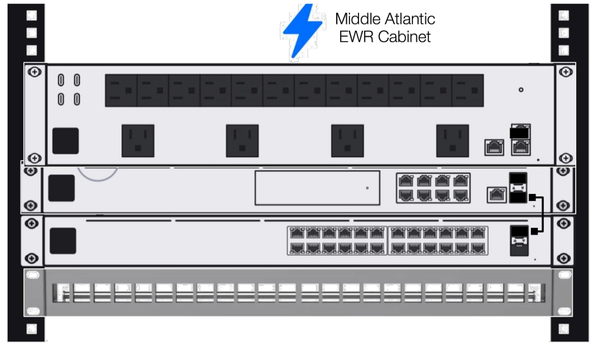


WiFi Internet Network



Door Access System





UniFi Power Distribution System

UniFi Dream Machine SE

UniFi 24 Port POE Professional Switch

UniFi 24 Port Patch

Door Access System

UniFi G2 Starter Kit Professional

Security Camera System

UniFi G5 Dome

WiFi Internet Network

UniFi U6 Mesh UniFi U6 in-wall

NETWORK DETAILS
SCALE: NONE

GENERAL ELECTRICAL NOTES:

A. SEE CEDAR FOREST FIXTURE PACKAGES FOR PRODUCT DETAILS

ELECTRICAL DETAILS CONT
NO SCALE

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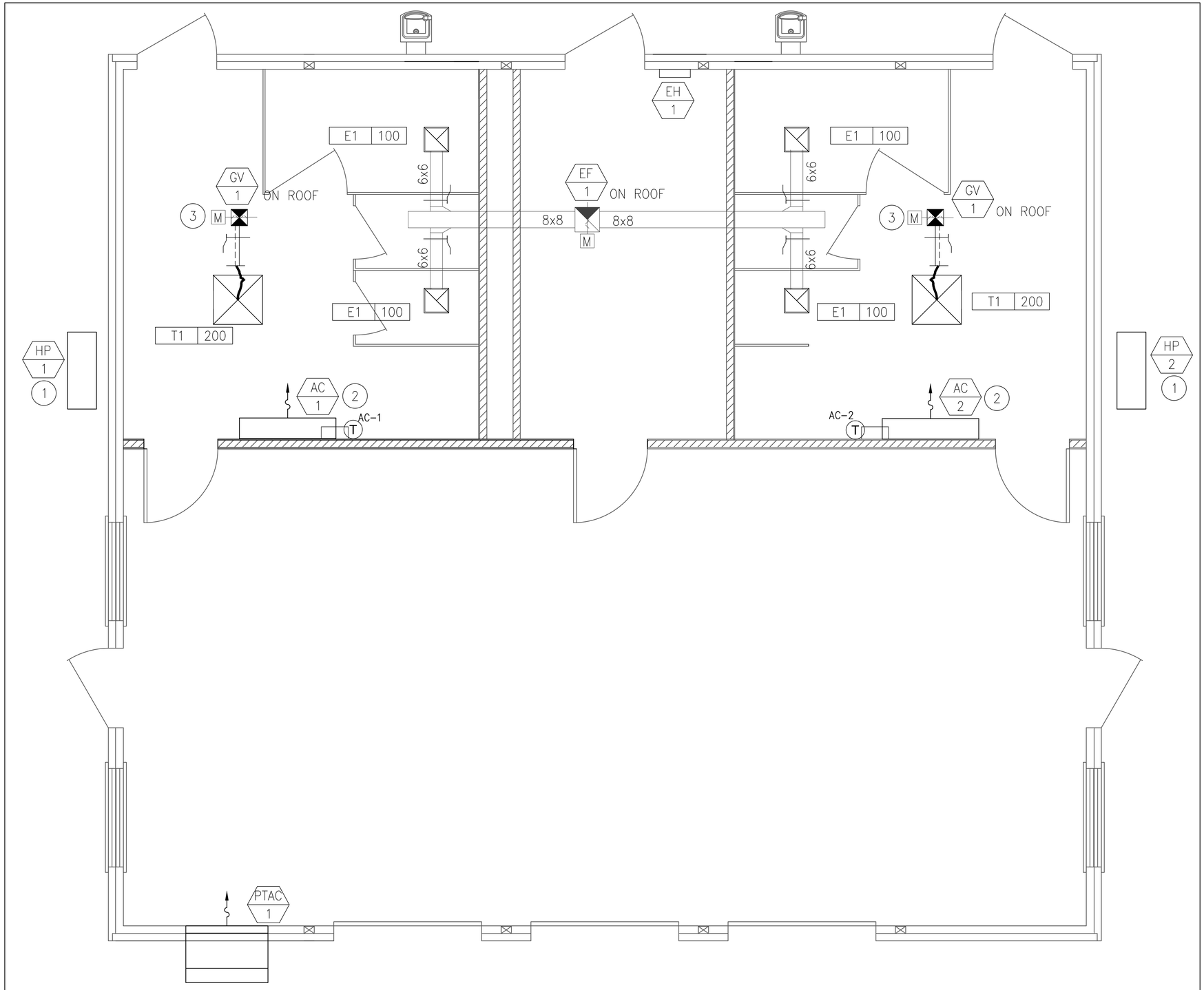
SHEET NAME
ELECTRICAL DETAILS CONT

SHEET NUMBER
EE.09



N

RESTROOM MECHANICAL SITE PLAN

SCALE: 1/2"=1'-0" WHEN PRINTED AT 24x36

0 1' 2' 4'

NEW WORK GENERAL NOTES:

- CONTRACTOR'S BID SHALL PROVIDE A COMPLETE AND WORKABLE SYSTEM.
- THIS CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER TRADES.
- DUCTWORK BRANCHES LEADING TO DIFFUSERS SHALL BE SIZED ACCORDING TO ASSOCIATED DIFFUSER NECK SIZE; REFER TO AIR INLET & OUTLET SCHEDULE ON MECHANICAL SCHEDULES SHEET FOR ALL DIFFUSER NECK SIZES.
- WORK SCOPE INCLUDES BALANCING OF AIR SYSTEMS TO CFM'S INDICATED ON PLANS.
- LOCATE ALL UNITS TO ENSURE ACCESS TO FILTER.
- PATCH AND PAINT ANY WALL AFFECTED BY NEW WORK TO MATCH EXISTING SURROUNDINGS.
- r/D = 1.5 DUCT ELBOWS ARE PREFERRED ON SUPPLY DUCT AND SHALL BE INSTALLED WHEREVER SPACE PERMITS.
- WHERE ROUTING TSTAT CABLES THROUGH DRYWALL STUD WALLS, TSTAT CABLING SHALL BE RUN THROUGH WALL CAVITY. WHERE TSTATS ARE MOUNTED ON BLOCK OR BRICK WALLS, WIREMOLD MAY BE USED FOR TSTAT MOUNTING.
- ALL DUCT DIMENSIONS ARE CLEAR, INSIDE DIMENSIONS.
- HVAC EQUIPMENT SHALL NOT INTERFERE WITH ACCESS TO LIGHTING OR OTHER ELEMENTS THAT REQUIRE ACCESS. WHERE INTERFERENCES OCCUR, CONTRACTOR SHALL COORDINATE RELOCATION WITH ENGINEER.

REFERENCE NOTES:

1. MOUNT HEAT PUMP UNIT ON CONCRETE PAD. PAD SHALL EXTEND MINIMUM 6" BEYOND UNIT IN EVERY DIRECTION. COORDINATE FINAL PAD SIZING WITH FINAL UNIT SELECTION SUBMITTAL. COORDINATE LOCATION OF UNIT WITH REQUIRED UNIT CLEARANCES PER MANUFACTURER. COORDINATE WITH ENGINEER IF RELOCATION IS REQUIRED. UNIT MAY BE MOUNTED ON WALL INSTEAD OF GROUND AT OWNER'S OPTION AND DEPENDENT ON UNIT CLEARANCES. COORDINATE WITH OWNER AND CONTRACTORS.
2. TIE 3/4" PVC CONDENSATE TO SINK DRAIN LINE. TRAP AT CONNECTION.
3. GV-1 MOTORIZED DAMPER SHALL BE JUST BELOW ROOF LINE. DAMPER SHALL BE FULLY OPEN WHEN EXHAUST FAN IS ACTIVE AND FULLY CLOSED WHEN FAN IS INACTIVE.

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RESTROOM MECHANICAL SITE PLAN

SHEET NUMBER
ME.00

1. COMPACT ALL FILL TO 95% OF ITS MAXIMUM DENSITY AS MEASURED BY THE MODIFIED PROCTOR METHOD. USE MECHANICAL COMPACTOR.

2. WELDED STEEL WIRE FABRIC SHALL BE ASTM A185.

3. FURNISH ACCESSORIES IN ACCORDANCE WITH LATEST EDITION OF A.C.U. DETAILING MANUAL. A.C.U. GUIDELINES AND RECOMMENDATIONS SHALL BE FOLLOWED WHILE FORMING AND POURING CONCRETE.

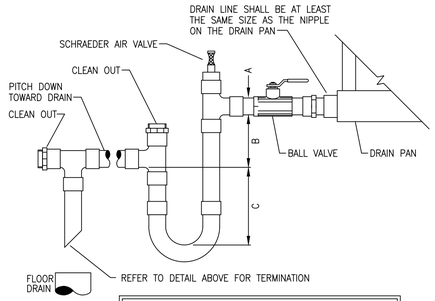
4. THOROUGHLY CLEAN PAINT, SEALERS, OIL AND CHEMICALS. SCARIFY EXISTING SURFACES TO ACCEPT NEW EQUIPMENT PADS. APPLY BONDING COMPOUND.

5. CONCRETE SHALL BE 4000 PSI, 28 DAY COMPRESSIVE STRENGTH, WITH MAXIMUM WATER-CEMENT RATIO OF 0.44 (NON AIR-ENTRAINED).

6. SLUMP LIMITS FOR FOUNDATION SYSTEMS SHALL BE NOT LESS THAN 1 INCH AND NOT MORE THAN 3 INCHES. SLUMP LIMITS FOR SLABS SHALL BE NOT MORE THAN 3 INCHES.

7. EQUIPMENT PADS SHALL EXTEND A MINIMUM OF 6 INCHES BEYOND THE LIMITS OF THE EQUIPMENT TO BE PLACED ON THOSE PADS, UNLESS NOTED OTHERWISE ON THE PLANS.

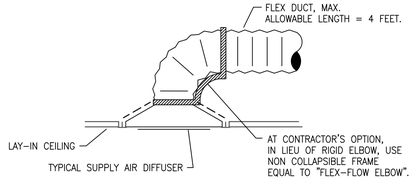
5 CONCRETE EQUIPMENT PAD SPECIFICATIONS
ME.01 SCALE: NONE



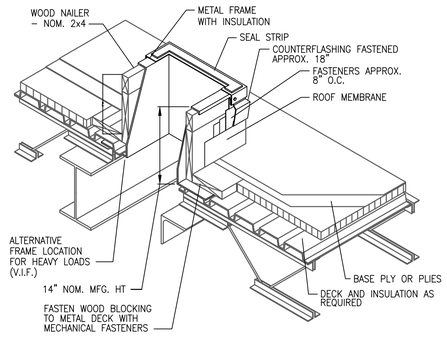
CONDENSATE DRAIN PIPING DIMENSIONS:
A = FULL SIZE OF UNIT DRAIN CONNECTION
B > 1 1/2 TIMES FAN SUCTION STATIC PRESSURE
C > FAN DISCHARGE STATIC PRESSURE PLUS 1/2 INCH

COORDINATE MOUNTING/CURB HEIGHT AS REQUIRED TO PROVIDE PROPER CONDENSATE DRAINAGE.

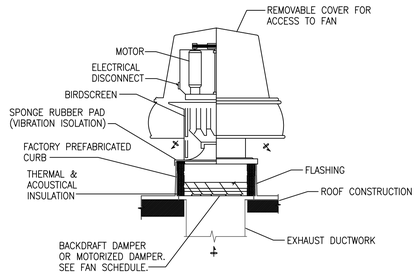
4 CONDENSATE DRAIN TRAP DETAIL
ME.01 SCALE: NONE



3 SUPPLY AIR DIFFUSER DETAIL
ME.01 SCALE: NONE



2 ROOF CURB INSTALLATION DETAIL
ME.01 SCALE: NONE



1 ROOF MOUNTED EXHAUST FAN DETAIL
ME.01 SCALE: NONE

FAN SCHEDULE

MARK	MODEL NUMBER	LOCATION	SERVING	DESIGN AIRFLOW (CFM)	FAN RPM	E.S.P. (IN. H2O)	SOUND (SONES)	DRIVE TYPE	ELECTRICAL DATA					CONTROL	ACCESSORIES	MARK
									MOTOR			STARTER/VFD	DISCONNECT			
									HP	VOLTS	PHASE					
EF-1	CUE-100-C	ROOF	BLDG	400	860	0.25	1.1	DIRECT	1/8	208/230	1	STARTER	MFR	4	1, 3, 5, 14	EF-1

CONTROL:
1. SWITCH
2. EMS
3. SPACE THERMOSTAT
4. OCCUPANCY SENSOR
5. CO SENSOR
6. PRESSURE SENSOR
7. REFRIGERANT LEAK / OCC SENSOR

ACCESSORIES / OPTIONS:
1. BACKDRAFT DAMPER
2. THERMOSTAT
3. BIRD SCREEN
4. INSECT SCREEN
5. ROOF CURB
6. WEATHER COVER
7. VIBRATION ISOLATORS
8. EQUIPMENT SUPPORTS
9. CURB MOUNT ROOF JACK
10. WALL COLLAR
11. WALL SHUTTER
12. WALL SHUTTER - MOTORIZED
13. WALL CAP
14. MOTORIZED DAMPER
15. SPEED CONTROLLER
16. 2 SPEED / 1 WINDING
17. FAN GUARD / SCREEN
18. FILTERS
19. COMPANION FLANGES
20. HINGED FRAMES
21. INSULATED HOUSING FOR SOUND CONTROL
22. SPARK / EXPLOSION PROOF
23. CHEMICAL RESISTANCE
24. HIGH TEMPERATURE
25. CURB ADAPTER

NOTES: 1. BASIS OF DESIGN: GREENHECK
2. FAN SHALL ACTIVATE AND ASSOCIATED MOTORIZED DAMPER SHALL FULLY OPEN ON OCCUPANCY SENSOR ACTIVATION. FAN SHALL DEACTIVATE AND MOTORIZED DAMPER SHALL CLOSE 15 MINUTES AFTER OCCUPANCY SENSOR DEACTIVATES.

ELECTRIC HEATER SCHEDULE

MARK	MODEL	CFM	ELECTRICAL DATA		
			WATTAGE	VOLTS	PHASE
EH-1	3320	175	3000 W	208	1

NOTES: 1. BASIS OF DESIGN: MARKEL. SEE SPECIFICATIONS FOR ALTERNATE MANUFACTURERS
2. PROVIDE INTEGRAL FACTORY INSTALLED THERMOSTAT.
3. PROVIDE FACTORY DISCONNECT.
4. PROVIDE AUTOMATIC THERMAL RESET.
5. UNIT SHAL BE RECESSED IN WALL. COORDINATE WITH GC.

ROOF MOUNTED GRAVITY VENTILATOR SCHEDULE

MARK	MODEL	APPROX. WEIGHT (LBS.)	CFM	THROAT DATA		HEIGHT (IN.)	SP (IN. H2O)	SERVICE	MARK
				LONG (IN.)	WIDE (IN.)				
GV-1	FGI	–	200	8	8	26	0.15	INTAKE	GV-1

NOTES: 1. BASIS OF DESIGN: GREENHECK. SEE SPECIFICATIONS FOR ALTERNATE MANUFACTURERS.
2. AIR PRESSURE DROPS SHOWN ARE MAXIMUM.

PACKAGED TERMINAL AIR CONDITIONING SCHEDULE

MARK	MODEL NUMBER	DESCRIPTION	LOCATION	MOUNTING	DESIGN AIRFLOW (CFM)	MIN. OA (CFM)	EER	COP	HEAT PUMP REVERSE HEATING	HEAT PUMP COOLING (MBH)		HEATING	ELECTRICAL DATA				APPROX. CABINET DIMENSIONS			NOTES
									MBH	SENS.	TOTAL	MBH	VOLT.	PHASE	MCA / MOP	FAN HP	LENGTH	DEPTH	HEIGHT	
PTAC-1	W36HY-A10	PACKAGED TERMINAL HEAT PUMP	SEE PLANS	WALL	1150	300	11.1	3.3	21.9	26.8	36.0	22.4	208/230	1	79/80	1/5	38.2"	17.125"	74.563"	NOTES 1, 2, 3, 4, 5, 6 & 7

NOTES: 1. BASIS OF DESIGN: "BARD"
2. UNIT SHALL BE PROVIDED WITH CORD AND PLUG. COORDINATE APPROPRIATE WALL RECEPTACLE WITH E.C.
3. PROVIDE WALL SLEEVE AND CONDENSATE DRAIN KIT OUT BACK OF UNIT TO DRAIN TO GRADE. ARCHITECTURAL WALL LOUVER BY PTAC MFR WITH COLOR SELECTION BY ARCHITECT. COORD. INSTALLATION WITH GC.
4. UNIT SHALL HAVE R-410A REFRIGERANT.
5. UNIT SHALL HAVE REMOTE DIGITAL THERMOSTAT/CONTROLS BY PTAC MANUFACTURER.
6. UNIT SHALL HAVE MINIMUM ENERGY EFFICIENCY EER AND COP PER INDIANA ENERGY CODE.
7. UNIT SHALL INCLUDE OA ECONOMIZER, INTEGRAL RELIEF, AND 10KW ELECTRIC HEATER.

GENERAL NOTES:
- REV. HEATING CAPACITY BASED ON 20° F OUTDOOR DRY BULB TEMP.
- COOLING CAPACITY BASED ON 95° F OUTDOOR DRY BULB TEMP.
- VERIFY/COORDINATE CABINET/SLEEVE DIMENSIONS, MOUNTING, MOUNTING HEIGHT, & RECESS REQUIREMENTS WITH ARCHITECTURAL DWGS. PRIOR TO ORDERING.

DUCTLESS SPLIT UNIT SCHEDULE

INDOOR UNIT									OUTDOOR UNIT							REFRIGERANT DATA			
MARK	MODEL NUMBER	SERVING	TYPE	APPROX. WEIGHT (LBS.)	AIRFLOWS TOTAL (CFM)	AIRFLOWS O.A. (CFM)	TOTAL COOLING (MBH)	TOTAL HEATING (MBH)	MARK	MODEL NUMBER	APPROX. WEIGHT (LBS.)	ELECTRICAL DATA VOLTS	PH	MCA	MOCP	REFR. TYPE	NUMBER ZONES	LIQUID O.D. (IN.)	SUCTION O.D. (IN.)
AC-1,2	40MAQB24B--3	RR'S	WALL	55	525	0	22.8	22.0	HP-1,2	25HHA424A003	161	208/230	1	16.5	25	R410A	1	BY MFR	BY MFR

NOTES: 1. BASIS OF DESIGN: CARRIER
2. AIRFLOWS AND FAN RPMS BASED ON LOW FAN SPEED SETTING WITH WET COIL.
3. DX SPLIT UNITS SHALL INCLUDE FACTORY SUPPLIED WIRELESS WALL-MOUNTED REMOTE THERMOSTAT. FINAL THERMOSTAT LOCATION TO BE DETERMINED BY ENGINEER.
4. DX SPLIT UNITS SHALL INCLUDE LONG LINE LENGTH SET AS REQUIRED BY UNIT MANUFACTURER. FINAL LINE SIZES TO BE BY UNIT MANUFACTURER.
5. PROVIDE W/ LOW AMBIENT CONTROL.
6. SINGLE POINT ELE CONNECTION TO OUTDOOR UNIT. DIV. 26 SHALL WIRE INDOOR UNIT FROM OUTDOOR UNIT.

AIR INLET & OUTLET SCHEDULE

MARK	DESCRIPTION
S1/T1	4-WAY PLAQUE SUPPLY DIFFUSER. FRAME TYPE 31 WITH INSULATED BACKPAN. ALUMINUM.

AIRFLOW RANGE (CFM)	NECK SIZE (INCHES)	FACE SIZE (INCHES)	THROW (FEET)	S.P. (IN.)	MOUNTING	MANUFACTURER	MODEL
0 - 200	6"Ø	24 x 24	4	0.003	LAY-IN/SURFACE	PRICE	ASPD
201 - 300	8"Ø	24 x 24	6	0.053	LAY-IN/SURFACE	PRICE	ASPD
301 - 450	10"Ø	24 x 24	7	0.096	LAY-IN/SURFACE	PRICE	ASPD
451 - 625	12"Ø	24 x 24	8	0.126	LAY-IN/SURFACE	PRICE	ASPD
626 - 800	14"Ø	24 x 24	10	0.186	LAY-IN/SURFACE	PRICE	ASPD

MARK	DESCRIPTION
R1	PERFORATED RETURN GRILLE. ALUMINUM CONSTRUCTION.

AIRFLOW RANGE (CFM)	NECK SIZE (INCHES)	FACE SIZE (INCHES)	S.P. (IN.)	MOUNTING	MANUFACTURER	MODEL
0 – 1500	22 x 22	24 x 24	0.07	LAY-IN	PRICE	PDR

MARK	DESCRIPTION
E1	PERFORATED EXHAUST GRILLE. PROVIDE WITH PLENUM BOX. PROVIDE CONNECTION OPENINGS IN PLENUM BOX AS SHOWN ON PLANS. ALUMINUM CONSTRUCTION.

AIRFLOW RANGE (CFM)	NECK SIZE (INCHES)	FACE SIZE (INCHES)	S.P. (IN.)	MOUNTING	MANUFACTURER	MODEL
0 – 150	8 x 8	12 x 12	0.01	LAY-IN	PRICE	PDR

NOTES: 1. AIR DISTRIBUTION DEVICES LOCATED WITHIN ACOUSTICAL TILE CEILINGS SHALL BE PROVIDED WITH A 24"x24" FACE AND A BORDER FOR LAY-IN MOUNTING. AIR DISTRIBUTION DEVICES LOCATED WITHIN GYPSUM BOARD CEILINGS OR WALLS SHALL BE PROVIDED WITH BORDER FOR SURFACE MOUNTING. REFER TO ARCHITECTURAL DOCUMENTS FOR CEILING TYPES.
2. AIR DISTRIBUTION DEVICES LOCATED IN SMALL ROOMS WHERE FULL 24"x24" GRIDS ARE NOT AVAILABLE SHALL BE PROVIDED WITH SURFACE MOUNTING BORDERS IN LIEU OF LAY-IN. SECURE EACH DEVICE TO CEILING GRID WITH FIELD FABRICATED SUPPORTS.
3. ALL CEILING SUPPLY DIFFUSERS SHALL HAVE 4-WAY THROW, U.N. ON PLANS. PROVIDE FACTORY INSTALLED BLANK OFFS FOR 1, 2, OR 3-WAY THROWS AS INDICATED ON PLANS.
4. DIFFUSER THROWS BASED ON 50 FPM TERMINAL VELOCITY.

Land Stewards Design Group
Planning Civil Landscape
5022 ROCKVILLE ROAD
INDIANAPOLIS, IN 46224
LANDSTEWARDSDG.COM

CLIENT / OWNER
CITY OF TERRE HAUTE

PROJECT NAME
HERZ ROSE PARK

PROJECT LOCATION
1515 Locust St.
Terre Haute, IN
47807

SIMS-DURKIN ASSOCIATES ENGINEERING COMPANY
5755 WEST 74TH STREET
INDIANAPOLIS, INDIANA 46278
PHONE: 317-209-4035
FAX: 317-222-4120
WEB: WWW.SIMS-DURKIN.COM
SDA PROJECT NUMBER: 2023123

CERTIFIED BY:
WILLIAM R. KASSEBAUM
REGISTERED NO PE10504708 STATE OF INDIANA
PROFESSIONAL ENGINEER
04-17-2024

BID SET

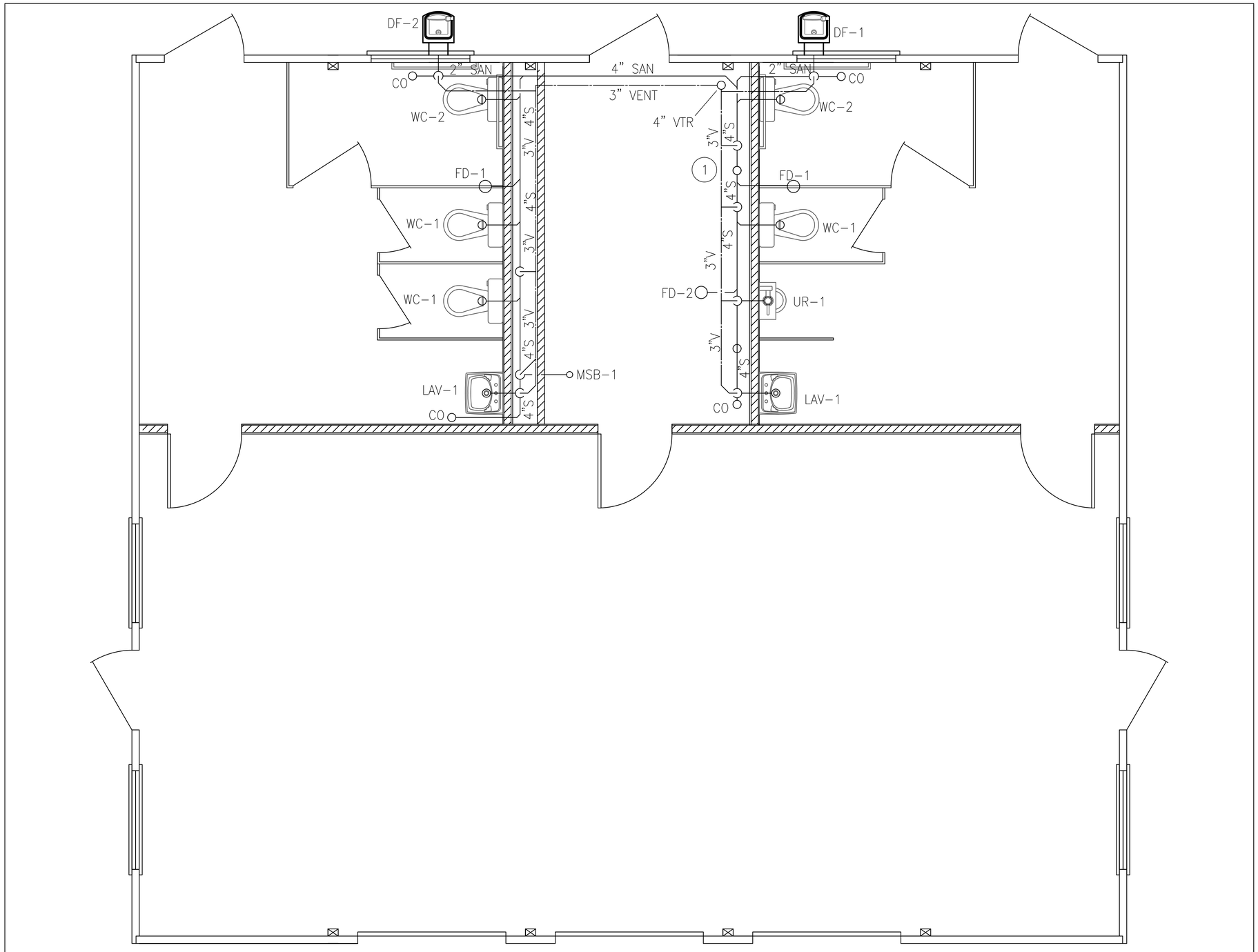
NO.	REVISION	DATE

KEYMAP:

ISSUE DATE 04.17.2024
PROJECT NUMBER 23-005

SHEET NAME
MECHANICAL SCHEDULES AND DETAILS

SHEET NUMBER
ME.01



REFERENCE NOTES:

(1) RISER CONNECTION TO SITE SANITATION SOURCE LINE. COORDINATE EXACT LOCATION AND CONNECTION WORK WITH OTHER TRADES.

N

RESTROOM WATER SANITATION SITE PLAN

SCALE: 1/2"=1'-0" WHEN PRINTED AT 24x36

0 1' 2' 4'

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5022 ROCKVILLE ROAD
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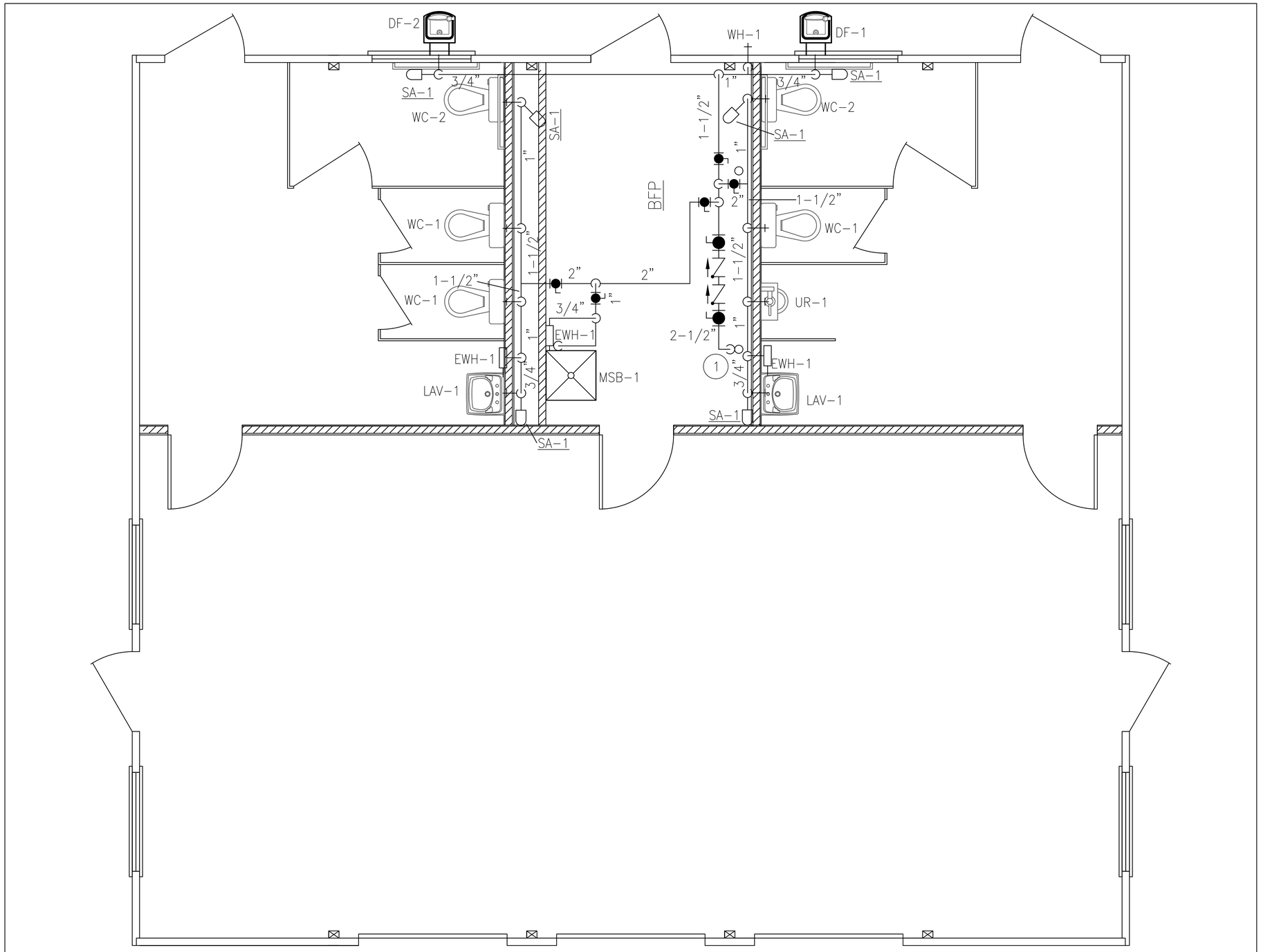
SHEET NAME
RESTROOM WATER SANITATION SITE PLAN

SHEET NUMBER
PL.00



REFERENCE NOTES:

(1) RISER CONNECTION TO SITE WATER SOURCE. COORDINATE EXACT LOCATION AND CONNECTION WORK WITH OTHER TRADES.

N

RESTROOM WATER SUPPLY SITE PLAN

SCALE: 1/2"=1'-0" WHEN PRINTED AT 24x36

0 1' 2' 4'

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SHEET NAME
RESTROOM WATER SUPPLY SITE PLAN

SHEET NUMBER
PL.01

PLUMBING GENERAL NOTES

1. PLUMBING DRAWINGS ARE DIAGRAMMATIC IN NATURE AND REPRESENT CONCEPTUAL ROUTING ONLY. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL ACTUAL CONDITIONS.
2. WORK INCLUDES FURNISHING ALL LABOR, MATERIALS, APPLIANCES, EQUIPMENT, TOOLS, TRANSPORTATION, SUPERINTENDENCE, CLEAN-UP, AND SERVICES REQUIRED TO CONSTRUCT AND INSTALL A COMPLETE AND FULLY OPERATIVE PLUMBING SYSTEM FOR THE PROJECT.
3. INSTALL ALL PLUMBING WORK IN ACCORDANCE WITH ALL STATE AND LOCAL CODES, ALL ADA AND ACCESSIBILITY LAWS AND REGULATIONS, AND ALL AUTHORITIES HAVING JURISDICTION.
4. CONTRACTOR SHALL INCLUDE IN HIS BID THE COST OF ALL FEES, PERMITS, TAP-INS, APPROVALS, AND INSPECTIONS.
5. UNLESS OTHERWISE SPECIFIED, ALL FAUCETS, SUPPLIES AND STOPS, TRAPS, WASTES, STRAINERS, AND ESCUTCHEONS, SHALL BE CHROME PLATED BRONZE, BRIGHT CHROME FINISH.
6. TEST ALL PIPING AS REQUIRED BY STATE AND LOCAL PLUMBING CODES. TEST ALL NEW WATER PIPING TO 150 PSI FOR A MINIMUM OF 24 HOURS.
7. DISINFECTION AND STERILIZATION OF THE SYSTEM SHALL BE PERFORMED IN ACCORDANCE WITH ALL RULES AND REGULATIONS OF THE STATE BOARD OF HEALTH.
8. FURNISH ALL CERTIFICATES OF APPROVALS BY THE PLUMBING INSPECTOR AND BOARD OF HEALTH.
9. INSULATE ALL WATER PIPING AND CONDENSATE DRAIN LINES WITH A MINIMUM OF 1" THICK GLASS FIBER INSULATION WITH VAPOR BARRIER JACKETS.
10. INSTALL UNIONS DOWNSTREAM OF VALVES AND AT ALL FIXTURES, EQUIPMENT, AND APPARATUS LOCATIONS FOR ALL PIPING FEEDS.
11. NOT USED.
12. ALL HOT WATER SUPPLY LINES SERVING ALL HAND WASHING FAUCETS AND/OR BODY WASHING SHOWER HEADS AND FITTING SETS SHALL BE ROUTED THROUGH AN APPROVED ANTI-SCALD DEVICE SET TO MAXIMUM TEMPERATURE SETTING OF 85 DEGREES FAHRENHEIT. SUBMIT ANTI-SCALD DEVICE AND VERIFICATION OF HEALTH DEPARTMENT APPROVAL TO ARCHITECT PRIOR TO INSTALLATION.
13. PROVIDE WATER HAMMER ARRESTORS EQUAL TO "SMITH" "HYDROTROL" AT ALL LAVATORIES, SINKS, TOILET & URINAL RUNS ETC. INSTALL COMPLETE WITH ACCESSIBLE ISOLATION VALVE ON HOT AND COLD WATER SUPPLY PIPING. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
14. NO PVC ALLOWED WITHIN OPEN PLENUM SPACE. IF ANY PIPING OR RUN OF PIPING IS LOCATED WITHIN THE OPEN CEILING PLENUM, THAT PORTION OF PIPING IS TO BE CAST IRON, COPPER OR OTHER MATERIAL AS ALLOWED BY CODE, APPROPRIATE TO THE USE AND INSTALLATION, AND AS APPROVED BY THE ARCHITECT.
15. FIELD VERIFY ALL CONDITIONS TO COORDINATE ALL WORK AS SHOWN AND/OR INTENDED. FIELD VERIFY ALL INVERTS REQUIRED.
16. FINISH PAINT ANY/ALL EXPOSED PIPING ON THE INTERIOR OR EXTERIOR OF THE BUILDING TO MATCH ADJACENT SURFACES, WHETHER INDICATED OR NOT. VERIFY COLOR WITH ARCHITECT.
17. ALL SANITARY SEWER LINES SHALL BE INSTALLED WITH A MINIMUM OF 12" OF COVER AND MEET THE DEFLECTION STANDARDS OF ASTM D-3033
18. ALL WATER PIPING SHALL BE CPVC, SCHEDULE 80.

ABBREVIATIONS

ANSI	AMERICAN NATIONAL STANDARDS
BFP	BACKFLOW PREVENTER
BTU	BRITISH THERMAL UNIT
CO	FLOOR CLEANOUT
CW	COLD WATER
DEG	DEGREE
DWG	DRAWING
DWV	DRAIN, WASTE, AND VENT
ECO	EXTERNAL CLEAN-OUT
EWS	EYE WASH STATION
EXT	EXTERIOR
F	FAHRENHEIT
FD	FLOOR DRAIN
FF	FINISHED FLOOR
G	NATURAL GAS
HB	HOSE BIBB
HW	HOT WATER
IN WC	INCHES, WATER COLUMN
INV	INVERT
IWH	INSTANTANEOUS WATER HEATER
MS	JANITOR'S MOP SINK
MB	MOP BASIN
MBH	BTU/HR X 1,000
NG	NATURAL GAS
NTS	NOT TO SCALE
PLMB	PLUMBING
PVC	POLYVINYL CHLORIDE
RD	ROOF DRAIN
SAN/S	SANITARY
S	SINK
SA	WATER HAMMER ARRESTOR
SS	STAINLESS STEEL
TW	TEMPERED WATER
TWR	TEMPERED WATER RETURN
V	VENT
VTR	VENT THROUGH THE ROOF
W	WASTE
WCO	WALL CLEAN OUT
WH	WALL HYDRANT

NOTE SYMBOLS

- (X) — NEW WORK PLAN NOTE
- (X) — KEY NOTE DESIGNATION
- (X-X) — VALVE DESIGNATION
- (X) — WATER HAMMER DESIGNATION
- X — REVISION PLAN NOTE
- X / X — EQUIPMENT TAG
- XX / P-XXX — DETAIL NOTE DESIGNATION
- POINT OF NEW CONNECTION

PIPING SYMBOLS & LINE TYPES

- BALL VALVE
- PRESSURE RELIEF VALVE
- GAS COCK
- CHECK VALVE
- VALVE IN RISER
- GAS PRESSURE REGULATING VALVE
- THERMOSTATIC MIXING VALVE
- HOSE BIBB / WALL HYDRANT
- VALVE IN ROAD BOX
- PIPING TEE DOWN
- PRESSURE REGULATING VALVE W/ FLOW DIRECTION
- PIPING TURN UP
- PIPING TURN DOWN
- PIPE CAP
- BACK FLOW PREVENTER
- FD — FLOOR DRAIN
- C.O. — FLOOR CLEANOUT
- CW — DOMESTIC COLD WATER SUPPLY
- HWR — DOMESTIC HOT WATER RETURN
- HW — DOMESTIC HOT WATER SUPPLY
- G — GAS
- S — SANITARY PIPING
- V — VENT

WATER HAMMER ARRESTER SCHEDULE

J.R. SMITH FIG. NO.	SYMBOL	FIXTURE UNIT RATING	PIPE SIZE
5005	SA-1	1-11	3/4"
5010	SA-2	12-32	1"
5020	SA-3	33-60	1"
5030	SA-4	61-113	1"
5040	SA-5	114-154	1"
5050	SA-6	155-330	1"

PLUMBING FIXTURE SCHEDULE

MARK	MANUFACTURER / MODEL NUMBER	TRIM	ROUGH-IN CW	HW	WASTE	VENT	MOUNTING HEIGHT	REMARKS	MARK
WC-1	AMERICAN STANDARD MADERA FLOWISE 2234.001 1.6 GPF, TOP SPUD ELONGATED BOWL FLOOR MOUNTED WATER CLOSET	SLOAN FLUSHOMETER 111, CODE 3780000 NON-HOLD-OPEN HANDLE 1.6 GPF FLUSH VALVE, BEMIS COMMERCIAL MODEL 2155CT/2155SSCT OPEN FRONT SEAT LESS COVER	1"	---	4"	2"	15" TO RIM	-	WC-1
WC-2	AMERICAN STANDARD MADERA FLOWISE 3043.001 1.6 GPF, TOP SPUD ELONGATED BOWL FLOOR MOUNTED WATER CLOSET	SLOAN FLUSHOMETER 111, CODE 3780000 NON-HOLD-OPEN HANDLE 1.6 GPF FLUSH VALVE, BEMIS COMMERCIAL MODEL 2155CT/2155SSCT OPEN FRONT SEAT LESS COVER	1"	---	4"	2"	16-1/2" TO RIM	ADULT ADA WATER CLOSET	WC-2
UR-1	AMERICAN STANDARD WASHBROOK FLOWISE UNIVERSAL URINAL MODEL 6590.001 0.5 GPF, TOP SPUD WALL MOUNTED URINAL. ELONGATED 14" RIM FROM WALL	SLOAN FLUSHOMETER 186-0.5, CODE 3782655 NON-HOLD-OPEN HANDLE 0.5 GPF FLUSH VALVE	3/4"	---	2"	1 1/2"	17" TO RIM	ADULT ADA URINAL.	UR-1
LAV-1	AMERICAN STANDARD LUCERNE LAVATORY 0355.012 20-1/2" x 18-1/4" 4" CENTERS, WALL MOUNTED LAVATORY	SYMMONS SCOT S-60-H FAUCET SPRAY OUTLET, 0.5 GPM 2 PIECE ADJUSTABLE P-TRAP WITH CHROME GRID DRAIN ASSEMBLY, TAILPIECE AND ESCUTCHEON, 1/2"IPSx3/8"O.D. ANGLE SUPPLY STOPS WITH FLEXIBLE RISERS WITH 1/2"C.P. NIPPLES AND S.S. ESCUTCHEONS	1/2"	1/2"	1 1/2"	1 1/2"	SEE DETAIL SHEET	LAVATORY CARRIER CONCEALED ARM SUPPORT. PROVIDE INSULATION ON WATER AND DRAIN PIPE ADULT ADA LAVATORY.	LAV-1
DF-1	MURDOCK GVC58 BARRIER FREE WALL MOUNTED DRINKING FOUNTAIN	SATIN STAINLESS FINISH WITH SELF-CLOSING BUTTONS.	1/2"	---	2"	1-1/2"	FOR ADULT ADA	PROVIDE AND INSTALL (2) CONCEALED SUPPORT CARRIER. PROVIDE FREEZE RESISTANT VALVE SYSTEM.	DF-1
DF-2	MURDOCK GVC58 BARRIER FREE WALL MOUNTED DRINKING FOUNTAIN	SATIN STAINLESS FINISH WITH SELF-CLOSING BUTTONS.	1/2"	---	2"	1-1/2"	FOR CHILD	PROVIDE AND INSTALL (2) CONCEALED SUPPORT CARRIER. PROVIDE FREEZE RESISTANT VALVE SYSTEM.	DF-2
MSB-1	MOP SERVICE BASIN, FIAT MODEL MSB 3624 24"x24" MOLDED STONE, RECEPTOR WITH BRASS DRAIN BODY STAINLESS STEEL STRAINER	CHICAGO #897 FAUCET W/ INTEGRAL VACUUM BREAKER, BUCKET HOOK, WALL BRACE AND 3/4" HOSE THREAD ON SPOUT. FIAT MODEL 832-AA HOSE 5/8"x30" LONG HEAVY-DUTY CLOTH REINFORCED RUBBER HOSE W/ STAINLESS STEEL HOSE BRACKET W/ 3/4" HOSE COUPLING, FIAT MODEL 899-CC STAINLESS STEEL MOP HANGER W/ 3 TOOL GRIPS. SILICONE SEALANT	3/4"	3/4"	3"	1-1/2"	36" TO FAUCET		MSB-1

NOTES: 1. BASIS OF DESIGN IS SHOWN. SEE SPECIFICATIONS FOR ALTERNATE MANUFACTURERS.
2. VISIBLE PARTS OF BRASS FIXTURES AND ACCESSORIES SHALL BE CHROME PLATED.
3. ALL P-TRAPS SHALL BE 17 GAUGE CHROME PLATED WITH CLEANOUT AND WITH DEEP FLANGE CHROME PLATED ESCUTCHEON.
4. SINK AND LAVATORY SUPPLIES SHALL BE 1/2" IPS x 3/8" O.D. LOOSE KEY QUARTER TURN BALL VALVE ANGLE STOPS EQUAL TO McGUIRE WITH CHROME OR STAINLESS FLEXIBLE RISERS AND 1/2" IPS CHROME PLATED NIPPLES AND ESCUTCHEONS. KEY STOPS AND STOP COCKS SHALL NOT BE COMPRESSION FIT DESIGN.
5. ALL VITREOUS CHINA FIXTURES SHALL BE WHITE.
6. SINK AND LAVATORY FAUCETS TO HAVE HOT & COLD WATER INDEX AND HAVE VANDAL RESISTANT FEATURE, UNLESS NOTED OTHERWISE.

PLUMBING SCHEDULES AND DETAILS

SCALE: NONE WHEN PRINTED AT 24x36

Land Stewards Design Group
Planning Civil Landscape
5022 ROCKVILLE ROAD
INDIANAPOLIS, IN 46224
LANDSTEWARDSDG.COM

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5755 WEST 74TH STREET
INDIANAPOLIS, INDIANA 46278
PHONE: 317-209-4035
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CERTIFIED BY:
WILLIAM R. KASSEBAUM
REGISTERED
NO
PE10504708
STATE OF
INDIANA
PROFESSIONAL ENGINEER
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BID SET

NO.	REVISION	DATE

KEYMAP:

ISSUE DATE
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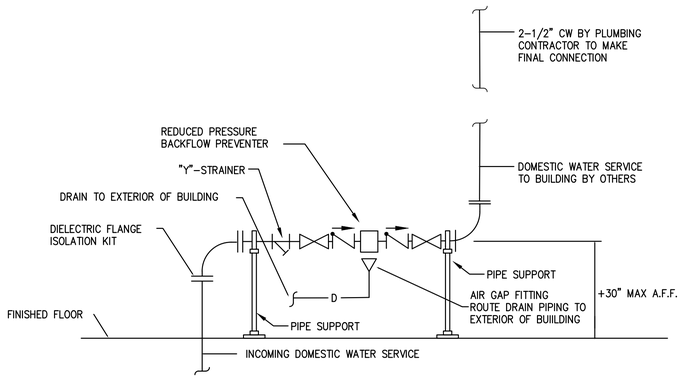
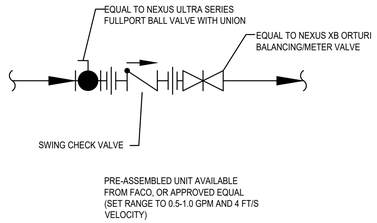
PROJECT NUMBER
23-005

SHEET NAME
PLUMBING SCHEDULES AND DETAILS

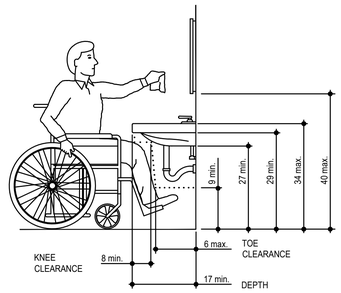
SHEET NUMBER
PL.02



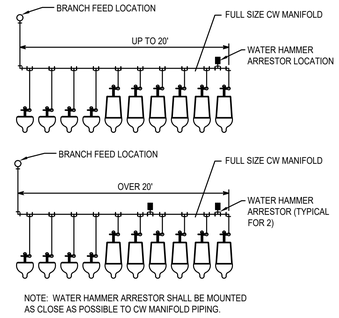
1 PL.03 REDUCED PRESSURE BACKFLOW PREVENTER
SCALE: NONE



2 PL.03 DOMESTIC FLOW STATION (MANUAL)
SCALE: NONE



3 PL.03 ADULT ADA LAVATORY CLEARANCE
SCALE: NONE



NOTE: WATER HAMMER ARRESTOR SHALL BE MOUNTED AS CLOSE AS POSSIBLE TO CW MANIFOLD PIPING.

4 PL.03 TYP WATER HAMMER ARRESTOR INSTALLATION
SCALE: NONE

PLUMBING EQUIPMENT SCHEDULE

MARK	DESCRIPTION	LOCATION	MANUFACTURER / MODEL NO.	CAPACITY	MECHANICAL REMARKS	ELECTRICAL DATA					PLUMBING REMARKS	MARK
						WATTS	HP	VOLTS	AMPS	PHASE		
BFP-1	REDUCED PRESSURE ZONE BACKFLOW PREVENTER	MECHANICAL ROOM	ZURN WILKENS MODEL SERIES 009QT	80 GPM FLOW AT 12 PSI PRESSURE LOSS	2" REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER WITH AIR GAP AND LEAD FREE EPOXY COATED WYE TYPE STRAINER. PIPE DRAIN LINE TO FLOOR DRAIN.	---	---	---	---	---		BFP-1

DRAIN AND MISCELLANEOUS SCHEDULE

MARK	MANUFACTURER / MODEL NUMBER	DESCRIPTION	REMARKS	MARK
FD-1	ZURN ZS415-6SS-VP	CAST-IRON BODY, FLASHING COLLAR, 6"x6" STAINLESS STEEL SQUARE ADJUSTABLE STRAINER HEAD WITH SECURED SQUARE HOLE GRATE AND VANDAL PROOF FEATURE, DEEP SEAL P-TRAP.	TOILET AREAS ON GRADE. SIZE AS SHOWN ON DRAWINGS. INSTALL SURE-SEAL TRAP SEAL DEVICE.	FD-1
FD-2	ZURN Z566	12" SQUARE OPEN TOP DRAIN WITH CAST-IRON BODY, BOTTOM OUTLET AND LOOSE SET CAST-IRON SECONDARY STRAINER.	"HIGH-FLOW" FLOOR DRAIN. INSTALL TRAP SEAL DEVICE EQUAL TO "SURESEAL". INSTALL UNDER BACKFLOW PREVENTER.	FD-2
WH-1	WOODFORD MODEL 65	FREEZELESS WALL HYDRANT NIDEL 34HA 3/4" HOSE THREAD	LOCATE WHERE SHOWN ON DRAWINGS. APPROXIMATELY 30" ABOVE GRADE.	WH-1
CO	ZURN ZN1400-BZ	ADJUSTABLE ON-GRADE CLEANOUT WITH CAST-IRON BODY. ROUND SCORIATED TOP WITH ADDITIONAL LEVELING ADJUSTMENT TO FINISH FLOOR. FRAME AND COVER FINISH: NICKEL BRONZE.	FOR CLEANOUTS ON FINISHED FLOOR.	CO
EWH-1	FLOWCO SPEX2412	ON-DEMAND LOCAL ELECTRIC WATER HEATER	2.4 KW, 20 AMPS, 0.25 GPM MIN ACTIVATION	EWH-1

PLUMBING SCHEDULES AND DETAILS CONT

SCALE: NONE WHEN PRINTED AT 24x36

Land Stewards Design Group
Planning Civil Landscape
5022 ROCKVILLE ROAD
INDIANAPOLIS, IN 46224
LANDSTEWARDSDG.COM

CLIENT / OWNER
CITY OF TERRE HAUTE

PROJECT NAME
HERZ ROSE PARK

PROJECT LOCATION
1515 Locust St.
Terre Haute, IN
47807

SIMS-DURKIN ASSOCIATES ENGINEERING COMPANY
5755 WEST 74TH STREET
INDIANAPOLIS, INDIANA 46278
PHONE: 317-209-4035
FAX: 317-222-4120
WEB: WWW.SIMS-DURKIN.COM
SDA PROJECT NUMBER: 2023123

CERTIFIED BY:
WILLIAM R. KASSEBAUM
REGISTERED
NO
PE10504708
STATE OF
INDIANA
PROFESSIONAL ENGINEER
04-17-2024

BID SET

NO.	REVISION	DATE

KEYMAP:

ISSUE DATE
04.17.2024

PROJECT NUMBER
23-005

SHEET NAME
PLUMBING SCHEDULES AND DETAILS CONT

SHEET NUMBER
PL.03

Design Operation Statement & Specifications

The architectural fountain for the Herz Rose Park Splashpad is an exterior 'dry-deck' interactive style fountain with (19) jets inside a 32'-0" x 24'-0 zone. The water feature includes (6) Fountain-in-a-can assemblies with Adjustable Precision Jets, (4) Fountain-in-a-can assemblies with Shower Jets and (9) Fountain-in-a-can assemblies with Jet Cluster nozzles. Each of the (19) Fountain-in-a-can assemblies includes a grate, display jet, LED ring light fixture, water connection, drain connection and conduit connection. All jets are designed to operate at a maximum operating spray height of 6'-0". The spray height of each jet can rise and fall and be programmed as a group or individually. A wind anemometer and wind panel are included to reduce the spray heights in moderate winds and turn the fountain display off in high winds in order to reduce overspray.

Water from the display jet falls back into each fountain can and drains to an underground storage tank. There are also four flush mounted channel sump drains located in the center of the plaza to collect additional water from flush mount nozzles. The pumps pull water from the storage tank for filtration and recirculation. The water level of the underground storage tank is controlled by a water level control sensor. The fountain equipment will be in an underground equipment vault. The direct burial equipment vault is factory engineered, assembled and pressure tested prior to shipment. This vault contains (1) 5 -HP self-priming display pump with integral basket strainer, (1) discharge strainer with stainless-steel screen, (1) variable frequency drive, a 1-HP self-priming filter pump, valve assemblies, sand filter, NSF UV Sterilizer, BECS3 water treatment system to meet code, fill manifold, sump pump, vent fan, LED light panel, and UL Listed Control Panel. Lighting is provided in the jet assemblies.

Approximate calculations as field conditions may vary:

Reservoir Operating Water Volume:	1,500 Gallons (1,750 Gallons maximum, overflow restricted)
Reservoir Shut Down Gain:	200 Gallons (Approximately)
Display Requirements:	Qty (6) FIAC-2000-APJ, 6'-0" spray height, 7 GPM @ 8 Feet of Head 42 GPM @ 8 Feet of Head Qty (4) FIAC-2000-SJ, 6'-0" spray height, 14.5 GPM @ 16 Feet of Head 58 GPM @ 16 Feet of Head Qty (9) FIAC-2000-JC, 6'-0" spray height, 7 GPM @ 10 Feet of Head 63 GPM @ 10 Feet of Head
Display Requirement Total:	163 GPM @ 50 Feet of Head
Display Pump Capacity:	5-HP WFP3-500 pump, 225 GPM @ 50 Feet of Head
Filter Pump Capacity:	1-HP WFK-100 pump, 75 GPM @ 50 Feet of Head
Filtration Requirement:	50 GPM @ 50 Feet of Head (30-minute turnover rate)
Filtration Type:	TR100 Sand Filter, 74 GPM max
Actual Filtration Rate:	70 GPM
Rate of Filtration Turnover:	22 minutes

Herz Rose Park
Equipment List 1 of 2
Fountain People – 10/16/23

Item #	Qty	Component Number	Description
^01	6	FIAC-2000-APJ	Fountain-In-A-Can with Hydro-Valve and Adjustable Precision Jet Nozzle, a "pour in place" flush mount spray effect with instant switching HydroValve, and 360-degree light fixture. The assembly includes a stainless-steel canister with 1/4" thick stainless-steel grate and contains (1) jet cluster interchangeable fountain nozzle, 360-degree 24V, 36-Watt, LED ring light with colored RGB diodes, fast acting Hydro-Valve, manual adjustment valve, junction box, bonding lug, 1-1/2" inlet connection, 2" drain connection, and (2) 3/4" conduit connections for valve & light. Assembly is shipped with (3) anchor bolts, leveling nut & washers.
^02	9	FIAC-2000-JC	Fountain-In-A-Can with Hydro-Valve and Jet Cluster Nozzle, a "pour in place" flush mount spray effect with instant switching HydroValve, and 360-degree light fixture. The assembly includes a stainless-steel canister with 1/4" thick stainless-steel grate and contains (1) jet cluster interchangeable fountain nozzle, 360-degree 24V, 36-Watt, LED ring light with colored RGB diodes, fast acting Hydro-Valve, manual adjustment valve, junction box, bonding lug, 1-1/2" inlet connection, 2" drain connection, and (2) 3/4" conduit connections for valve & light. Assembly is shipped with (3) anchor bolts, leveling nut & washers.
^03	4	FIAC-2000-SJ	Fountain-In-A-Can with Hydro-Valve and Shower Jet Nozzle, a "pour in place" flush mount spray effect with instant switching HydroValve, and 360-degree light fixture. The assembly includes a stainless-steel canister with 1/4" thick stainless-steel grate and contains (1) jet cluster interchangeable fountain nozzle, 360-degree 24V, 36-Watt, LED ring light with colored RGB diodes, fast acting Hydro-Valve, manual adjustment valve, junction box, bonding lug, 1-1/2" inlet connection, 2" drain connection, and (2) 3/4" conduit connections for valve & light. Assembly is shipped with (3) anchor bolts, leveling nut & washers.
^04	1	JB8-3-100	Junction Box, flush mount, UL listed, underwater cast bronze junction box with internal grounding lug, neoprene gasket, 1" power connection, and three (3) 3/4"side connections for lights. Includes brass cord seals and plugs.
^05	4	JB8-4-100	Junction Box, flush mount, UL listed, underwater cast bronze junction box with internal grounding lug, neoprene gasket, 1" power connection, and four (4) 3/4"side connections for lights. Includes brass cord seals and plugs.
06	10	PC-8882-D	Potting compound for use in underwater junction boxes, 21 oz. package, meets NEC article 680 as an approved potting compound.
07	1	AN-1D	Wind Speed Sensor, polycarbonate constructed 3-cup anemometer with UV inhibitors, beryllium copper shaft and Teflon bearings. Requires 18/3 cable by installer.

^ ITEM REQUIRED FOR FOUNTAIN CONCRETE POUR.

Herz Rose Park
Equipment List 2 of 2
Fountain People – 10/16/23

Item #	Qty	Component Number	Description
08	1	WLS-CLH3	Water level control sensor; compact and flexible with 3 electrodes and a control unit, polypropylene housing, 1-1/2" NPT connection.
^09	4	PCS-32-W	32" VGB Plastic Channel Sump Assembly, dimensions: 33" x 4-9/32" x 5-9/16", three bottom ports: 2-2/2" spigot x 2" socket x 2" NPT, two 2" threaded plugs, #316 Stainless Steel fasteners, VGB Grate has 38.79 sq. in open area for water flow. IAPMO Listed and complies with ANSI/APSP-16-2011 & CPSC Requirements. White in color.
10	1	PWA-30	Double wall 30-gallon acid storage tank with fittings 3" supply piping, 2" capped drain, 3/4" incoming conduit fitting and metering chemical feed pump 120V,60Hz/1Ø, 1.4 Amps (Acid Tank)
11	1	PWC-30	Double wall 30-gallon acid storage tank with fittings 3" supply piping, 2" capped drain, 3/4" incoming conduit fitting and metering chemical feed pump 120V,60Hz/1Ø, 1.4 Amps (Chlorine Tank)
12	1	LPST-2000-P24341	Underground Water Storage Tank, high density polyethylene construction, using FDA and NSF resins, monolithic ribbed design for superior top load strength, and repeated filling and emptying cycles. Low profile design for shallower excavations, flats located to accept bulkhead fittings (tank adapters), and ventilation piping. Tie-down manhole cover with 16" hatchway riser, stabilization 'lugs' at corners to aid in transportation, handling, lifting and tie-down. Internally, tank includes floating surface skimmer. Tank material conforms to 21 CFR 111.1520 standards.
13	1	FPV-G-P24341	Direct Burial Vault, heavy duty FRP enclosure measuring 9'-7" x 7'-9" x 8'-11" deep, that is sturturally engineered and certified for in-ground installation. Furnished with 36" x 36" lockable landscape access hatch (green) and ladder up extension pole. The vault includes (1) 5-HP fountain display pump with integral basket strainer, discharge strainer with stainless-steel screen, includes throttling valves and (1) variable frequency drive and 1-HP filter pump with integral basket strainer, sand filter with multi-port valve assembly, NSF UV Sterilizer, BECS3 PH/ORP Water Treatment System with ethernet connection, suction & discharge isolation & throttling valves, 3/4" water fill manifold, sump pump assembly, forced air ventilation system, LED Lighting Panel with controller, and internal power supplies, wind control panel, a UL electrical control panel with pump starters and motor protectors, digital timeclocks, HOA switches, water level control relays, sequencing controller, and main disconnect switch. Unit is factory engineered, assembled, and tested prior to shipment. Power requirement: 120/208 Volt, 3-phase, 4-wire feeder + GND.
14	1	VCA-300-P	Vent Cap Assembly, PVC construction, 3" connection
15	2	VCA-600	Vent Cap Assembly, cast iron construction, 6" connection

^ ITEM REQUIRED FOR FOUNTAIN CONCRETE POUR.

WATER FEATURE SPECIFICATION NOTES

THE INSTALLER SHALL BE RESPONSIBLE FOR PURCHASING WATER FEATURE COMPONENTS, AS WELL AS PROVIDING LABOR AND MATERIALS REQUIRED EFFECTING THE INSTALLATION OF THE OPERATIONAL SYSTEMS AS DETAILED IN THE PLANS AND SPECIFICATIONS.

THE PRIME WATER FEATURE INSTALLER SHALL FURNISH FOUNTAIN ELECTRICAL COMPONENTS TO THE ELECTRICAL INSTALLER FOR INSTALLATION AND CONNECTION.

A SINGLE MANUFACTURER SHALL SUPPLY ELECTRICAL AND MECHANICAL WATER FEATURE COMPONENTS IN ORDER TO ENSURE THE INTEGRITY OF THE WATER FEATURE DESIGN. THE WATER FEATURE EQUIPMENT SHALL BE AS DESIGNED AND MANUFACTURED BY FOUNTAIN PEOPLE, INC., P.O. BOX 807, 4600 HWY 123 EAST, SAN MARCOS, TX 78666. (512) 392-1155. SUBSTITUTION OF WATER FEATURE MATERIALS SHALL REQUIRE WRITTEN APPROVAL BY THE PROJECT ARCHITECT OR LANDSCAPE ARCHITECT.

INSTALLERS OFFERING SUBSTITUTIONS SHALL SUBMIT THREE COPIES OF THE FOLLOWING DATA AT LEAST TEN WORKING DAYS PRIOR TO THE BID DATE FOR REVIEW AND APPROVAL:

1. COMPLETE WATER FEATURE SYSTEM FLOW DIAGRAM.
2. COMPLETE WATER FEATURE ELECTRICAL CONTROL PANEL LADDER LOGIC DIAGRAMS.
3. A COMPLETE BILL OF MATERIALS ALONG WITH SPECIFICATION CUTS OF PROPOSED SUBSTITUTE ITEMS.
4. A WRITTEN DESCRIPTION OF THE WATER FEATURE'S OPERATIONAL CYCLE.
5. A WRITTEN PERFORMANCE GUARANTEE BY THE ALTERNATE SYSTEM MANUFACTURER CERTIFYING THAT THE ALTERNATE SYSTEM WILL MEET THE SPECIFIED DESIGN CONCEPT AND PERFORMANCE REQUIREMENTS. FAILURE TO SUBMIT FOR PRIOR APPROVAL OF SUBSTITUTIONS WILL BE GROUNDS FOR REJECTION. WITHIN TEN WORKING DAYS OF AWARD OF CONTRACT, INSTALLER SHALL SUBMIT FIVE COPIES OF MANUFACTURERS' DETAILED DATA SHEETS AND SUBMITTAL DRAWINGS OF WATER FEATURE COMPONENTS FOR APPROVAL PRIOR TO INSTALLATION. UPON COMPLETION OF THE PROJECT, INSTALLER SHALL PROVIDE THREE COPIES OF OWNER'S OPERATION AND MAINTENANCE MANUALS. MANUALS SHALL BE PROVIDED ON COMPACT DISCS WITH ALL PORTIONS IN A PRINTABLE FORMAT, AND SHALL INCLUDE OPERATING AND MAINTENANCE PROCEDURES ALONG WITH MANUFACTURERS' DATA SHEETS AND SYSTEM DRAWINGS.

GENERAL NOTES

THE WATER FEATURE MECHANICAL AND ELECTRICAL DRAWINGS ARE DIAGRAMMATIC, INTENDED TO INDICATE THE SCOPE OF THE WORK TO BE DONE. EQUIPMENT AND MATERIAL LOCATIONS MAY BE DISTORTED FOR CLARITY IN PRESENTATION.

QUESTIONS PERTAINING TO WORK THAT DOES NOT APPEAR TO BE SUFFICIENTLY DETAILED OR EXPLAINED, OR PERTAINING TO THE TRUE MEANING OF A PART OF THE DRAWINGS OR SPECIFICATIONS, OR DISCREPANCIES FOUND EXISTING IN OR BETWEEN THE SPECIFICATIONS AND DRAWINGS, SHALL BE REFERRED TO THE ARCHITECT OR LANDSCAPE ARCHITECT FOR CLARIFICATION.

ITEM NUMBERS CORRESPOND TO THE BILL OF MATERIALS AND SHALL BE FURNISHED BY THE EQUIPMENT MANUFACTURER. THE INSTALLER SHALL FURNISH OTHER MATERIALS, LABOR, TOOLS, EQUIPMENT, APPARATUS, AND SERVICES, WHICH ARE REQUIRED TO COMPLETE THE INSTALLATION OF THE WATER FEATURE SYSTEM.

MECHANICAL NOTES

1. THIS INSTALLATION SHALL COMPLY WITH LOCAL PLUMBING CODES.
2. PIPING LOCATED WITHIN A POOL BASIN, AND STUB-UPS THROUGH A POOL FLOOR OR WALLS OF A BASIN, SHALL BE OF BRASS PIPE, TYPE K COPPER TUBING OR STAINLESS STEEL.
3. INSTALLER SHALL SUPPLY WATERSTOP PROTECTION FOR PIPING PENETRATING POOL FLOOR OR WALLS AND FOR FITTINGS CAST THEREIN UNLESS OTHERWISE SPECIFIED WITHIN THESE DRAWINGS AND EQUIPMENT LISTS.
4. INTERCONNECTING PIPE AND FITTINGS BETWEEN THE POOL BASIN AND THE PUMP EQUIPMENT ROOM SHALL BE OF COPPER, MINIMUM-SCHEDULE 40 PVC, STAINLESS STEEL OR FIBERGLASS.
5. PRESSURIZED CITY WATER LINES SUPPLYING THE WATER FEATURE SYSTEM SHALL BE OF COPPER AND SHALL BE PROTECTED BY A BACKFLOW PREVENTION DEVICE AND PRESSURE REDUCTION VALVE SET AT 50 PSI MAXIMUM.
6. PIPING RUNS SHALL BE MADE AS DIRECT AS POSSIBLE USING THE MINIMUM NUMBER OF FITTINGS. PIPE SHALL SLOPE TO THE PUMP FOR DRAINAGE AND SHALL BE FREE OF TRAPS OR LOOPS THAT COULD TRAP WATER OR AIR.
7. IF PIPING CANNOT BE SLOPED TO PUMP, MAKE PROVISIONS FOR COMPLETE DRAINING OF EACH PIPE WITH A MINIMUM 1 1/2" LINE AND VALVE AT THE LOWEST POINT.
8. PUMP SUCTION INTAKE AND SUCTION PIPING SHALL BE ROUTED TO AN ELEVATION BELOW THE WATER LEVEL OF THE LOWEST BASIN SO THAT BOTH THE PUMP AND THE SUCTION PIPING ARE COMPLETELY FLOODED WHEN THE WATER FEATURE SYSTEM IS FILLED UNLESS OTHERWISE SPECIFIED HEREIN.
9. PIPING SHALL BE PRESSURE TESTED PRIOR TO BACK-FILLING AND SHALL BE PROPERLY SUPPORTED.
10. INSTALLER SHALL PROVIDE DRAINAGE AND VENTILATION IN AN EQUIPMENT PUMP ROOM IN ORDER TO PREVENT FLOODING, CONDENSATION, OR OVERHEATING OF EQUIPMENT.

ELECTRICAL NOTES

1. UNDERWATER ELECTRICAL EQUIPMENT CAN CAUSE FATAL ELECTRICAL SHOCK IF NOT INSTALLED PROPERLY. THIS INSTALLATION HAS BEEN DESIGNED IN STRICT COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE, ARTICLE 680. INSTALLER SHALL INSTALL ELECTRICAL EQUIPMENT IN ACCORDANCE WITH NEC ARTICLE 680 AND LOCAL ELECTRICAL CODES.
2. A CLASS 'A' GROUND FAULT CIRCUIT INTERRUPTER (GFCI) SHALL BE INSTALLED ON CIRCUITS THAT HAVE AN OPERATING VOLTAGE GREATER THAN 15 VOLTS AND THAT SUPPLY WATER FEATURE EQUIPMENT LOCATED WITHIN BASINS. EQUIPMENT OPERATING AT LESS THAN 15 VOLTS SHALL BE PROTECTED BY A TRANSFORMER WHICH IS UL LISTED AND MARKED FOR THE APPLICATION.
3. UNLESS UL LISTED FOR EITHER WET OR DRY OPERATION, UNDERWATER LIGHT FIXTURES SHALL BE INSTALLED SO THAT THEY ARE SUBMERGED WHEN IN OPERATION, SHALL BE PROTECTED BY A LENS GUARD IF POINTED UPWARD, AND SHALL BE PROTECTED BY AN INTEGRAL THERMAL CUTOFF DEVICE TO PREVENT OVERHEATING.
4. UNDERWATER LIGHT FIXTURES SHALL BE INSTALLED WITH SUFFICIENT CORD LENGTH TO ALLOW REMOVAL FROM THE WATER FOR RELAMPING AND NORMAL MAINTENANCE WITHOUT LOWERING THE BASIN WATER LEVEL.
5. UNDERWATER JUNCTION BOXES SHALL BE EQUIPPED WITH THREADED CONDUIT ENTRIES AND STRAIN RELIEF SEALS FOR CORD ENTRY. STRAIN RELIEF SEALS SERVING NICHE MOUNTED FIXTURES SHALL MAKE PROVISION FOR BOTH THE FIXTURE CORD AND AN AWG # 8 COPPER BONDING WIRE WHEN REQUIRED BY LOCAL CODE.
6. UNDERWATER JUNCTION BOXES, OR JUNCTION BOXES MOUNTED OUTSIDE THE BASIN BUT BELOW THE WATER LEVEL, SHALL BE POTTED USING 3M "GELLA" 8882 RE-ENTERABLE POTTING COMPOUNDS. CONDUIT ENTRIES SHALL BE SEALED PRIOR TO POTTING THE JUNCTION BOX TO PREVENT POTTING COMPOUND FROM ENTERING THE CONDUIT SYSTEM.
7. STUB-UPS FOR CONDUIT MOUNTED UNDERWATER JUNCTION BOXES MUST BE OF RED BRASS PIPE OR STAINLESS STEEL. NON-METALLIC CONDUIT MAY NOT BE USED FOR SUPPORT OF JUNCTION BOXES.
8. WIRE PULLED BETWEEN WATER FEATURE ELECTRICAL CONTROLS PANELS AND UNDERWATER JUNCTION BOXES SHALL BE OF STRANDED COPPER, WATER-RESISTANT TYPE SELECTED AND SIZED FOR THE APPLICATION.
9. CONDUIT SHALL BE SEALED TO PREVENT ENTRY OF MOISTURE AND TO PREVENT WATER FROM DRAINING INTO THE WATER FEATURE ELECTRICAL CONTROL PANELS.

Land Stewards Design Group
Planning Civil Landscape
5022 ROCKVILLE ROAD
INDIANAPOLIS, IN 46224
LANDSTEWARDSDG.COM

CLIENT / OWNER
CITY OF TERRE HAUTE

PROJECT NAME
HERZ ROSE PARK

PROJECT LOCATION
1515 Locust St.
Terre Haute, IN
47807

CONSULTANT 1
The Fountain People
4600 HWY 123
San Marcos, TX, 78667
p 512.392.1155

100% CONSTRUCTION DOCUMENTS

NO.	REVISION	DATE

KEYMAP:

ISSUE DATE
12.07.2023

PROJECT NUMBER
23-005

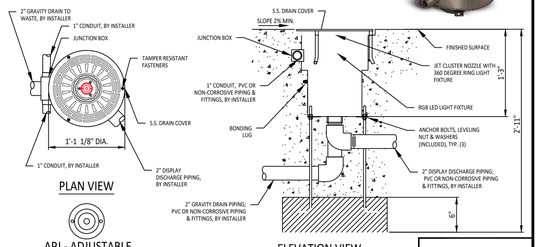
SHEET NAME
DESIGN STATEMENT & EQUIPMENT LIST

SHEET NUMBER
FM.00

FIAC-2000-APJ SERIES FOUNTAIN-IN-A-CAN

PRODUCT SPECIFICATION:

Fountain-In-A-Can with Hydro-Valve, a "pour in place" flush mount spray effect with instant switching Hydro-Valve, and 360 degree light fixture. The assembly includes a stainless steel canister with ¼" thick stainless steel grate and contains (1) crown jet interchangeable fountain nozzle, 360-degree 24V, 36 Watt, LED ring light with colored RGB diodes, fast acting Hydro-Valve, manual adjustment valve, junction box, bonding lug, 1-1/2" inlet connection, 2" drain connection, and (2) 3/4" conduit connections for valve & light. Assembly is shipped with (3) anchor bolts, leveling nut & washers.



PLAN VIEW

APJ - ADJUSTABLE PRECISION JET

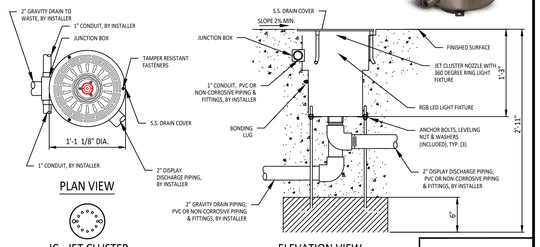
ELEVATION VIEW

ITEM # 01 QTY(6)

FIAC-2000-JC SERIES FOUNTAIN-IN-A-CAN

PRODUCT SPECIFICATION:

Fountain-In-A-Can with Hydro-Valve, a "pour in place" flush mount spray effect with instant switching Hydro-Valve, and 360 degree light fixture. The assembly includes a stainless steel canister with ¼" thick stainless steel grate and contains (1) jet cluster interchangeable fountain nozzle, 360-degree 24V, 36 Watt, LED ring light with colored RGB diodes, fast acting Hydro-Valve, manual adjustment valve, junction box, bonding lug, 1-1/2" inlet connection, 2" drain connection, and (2) 3/4" conduit connections for valve & light. Assembly is shipped with (3) anchor bolts, leveling nut & washers.



PLAN VIEW

JC - JET CLUSTER

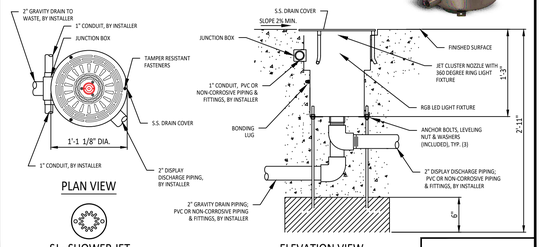
ELEVATION VIEW

ITEM # 02 QTY(9)

FIAC-2000-SJ SERIES FOUNTAIN-IN-A-CAN

PRODUCT SPECIFICATION:

Fountain-In-A-Can with Hydro-Valve, a "pour in place" flush mount spray effect with instant switching Hydro-Valve, and 360 degree light fixture. The assembly includes a stainless steel canister with ¼" thick stainless steel grate and contains (1) shower jet interchangeable fountain nozzle, 360-degree 24V, 36 Watt, LED ring light with colored RGB diodes, fast acting Hydro-Valve, manual adjustment valve, junction box, bonding lug, 1-1/2" inlet connection, 2" drain connection, and (2) 3/4" conduit connections for valve & light. Assembly is shipped with (3) anchor bolts, leveling nut & washers.



PLAN VIEW

SJ - SHOWER JET

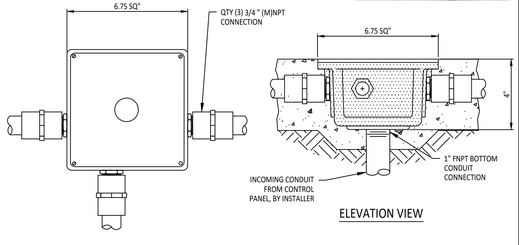
ELEVATION VIEW

ITEM # 03 QTY(4)

JB8-3-100 JUNCTION BOX

PRODUCT SPECIFICATION:

Junction Box, flush mount, UL listed, underwater cast bronze junction box with internal grounding lug, neoprene gasket, 1" FNPT bottom power connection, and three (3) 3/4" FNPT side connections for lights. Includes brass cord seals with proper grommet sizing based on light cord requirement. Plugs will be furnished for any unused/spare connections.



PLAN VIEW

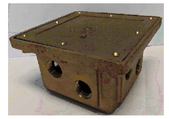
ELEVATION VIEW

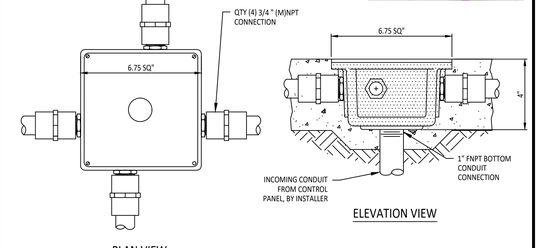
ITEM # 04 QTY(1)

JB8-4-100 JUNCTION BOX

PRODUCT SPECIFICATION:

Junction Box, flush mount, UL listed, underwater cast bronze junction box with internal grounding lug, neoprene gasket, 1" FNPT bottom power connection, and three (4) 3/4" FNPT side connections for lights. Includes brass cord seals with proper grommet sizing based on light cord requirement. Plugs will be furnished for any unused/spare connections.





PLAN VIEW

ELEVATION VIEW

ITEM # 05 QTY(4)

PC-8882 POTTING COMPOUND

PRODUCT SPECIFICATION:

PC-8882 Potting Compound is made for encapsulating wire connections within electrical junction boxes. Potting compound adheres well and pulls away cleanly for fast splice re-entry. Prevents moisture in junction boxes.

ENGINEERING DATA			
POTTING COMPOUND	OZ.	IN^3	
PC-8882-C	2-PT	12.3	22
PC-8882-D	2-PT	21.3	30

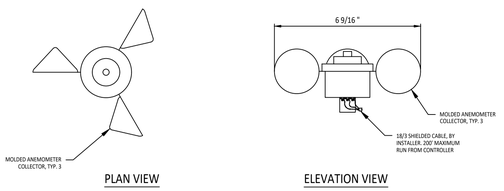
Potting Compound; Two-part, non-urethane, re-enterable encapsulant compound. Meets NEC article 680 as an approved potting compound.

ITEM # 06 QTY(10)

AN-1D WIND ANEMOMETER

PRODUCT SPECIFICATION:

AN-1D Wind Anemometer; UL Listed molded 3-collector anemometer, consists of polycarbonate constructed with UV inhibitors, beryllium copper shaft and teflon bearings. 18/3 shielded cable required.



PLAN VIEW

ELEVATION VIEW

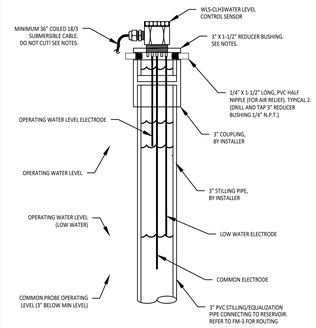
NOTES:
1) 18/3 SHIELDED CABLE BY INSTALLER. MAXIMUM DEDICATED CONDUIT RUN 200' (FEET).
2) SPRAY EFFECT HEIGHT CONTROL REQUIRES ACTUATED VALVE OR VARIABLE FREQUENCY DRIVE (VFD).

ITEM # 07 QTY(1)

WLS-CLH3 WATER LEVEL CONTROL SENSOR

PRODUCT SPECIFICATION:

Water level control sensor; compact and flexible with 3 electrodes and a control unit, polypropylene housing, 1-1/2" NPT connection.



NOTES:
1.) DO NOT CUT 18/3 CABLE FROM CONDUIT BODY TO CLH3 PROBE. CABLE ALLOWS FOR MAINTENANCE REMOVAL

2.) DO NOTE GLUE 3" X 1-1/2" REDUCER BUSHING! MUST BE REMOVABLE FOR SERVICING. GENTLY PRESS FIT INTO PLACE. (MAXIMUM FIT UP TO 1/4" PVC AIR RELIEF NIPPLE)

3.) DO NOT RESTRICT AIRFLOW TO 1/4" PVC AIR RELIEF NIPPLES.

4.) TRIM ELECTRODES TO LENGTH. TIP OF ELECTRODE IS ACTIVATION POINT.

5.) ALLOW SUFFICIENT CLEARANCE ABOVE CLH ASSEMBLY FOR REMOVAL.

6.) DO NOT ALLOW OVERFLOW WATER LEVEL TO EXCEED HEIGHT OF 3" COUPLING

TYPICAL ELECTRICAL CONNECTIONS:
COMMON ELECTRODE- CONNECT TO GREEN WIRE, W1 TERMINAL

OPERATING WATER LEVEL (HIGH) ELECTRODE- CONNECT TO RED WIRE, W2 TERMINAL

OPERATING WATER LEVEL (MEDIUM) ELECTRODE- CONNECT TO ORANGE WIRE, W3 TERMINAL

OPERATING WATER LEVEL (LOW) ELECTRODE- CONNECT TO YELLOW WIRE, W4 TERMINAL

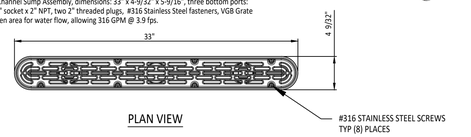
LOW WATER LEVEL CUT OFF ELECTRODE- CONNECT TO BLACK WIRE, W5 TERMINAL

ITEM # 08 QTY(1)

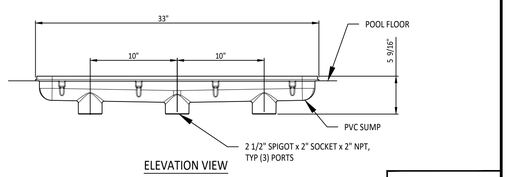
PCS-32-W 32" VGB CHANNEL SUMP

PRODUCT SPECIFICATION:

32" VGB plastic Channel Sump Assembly, dimensions: 33" x 4-9/32" x 5-9/16", three bottom ports: 2-2/2" spigot x 2" socket x 2" NPT, two 2" threaded plugs, #316 Stainless Steel fasteners, VGB Grate has 25.9 sq in open area for water flow, allowing 316 GPM @ 3.9 fps.



PLAN VIEW



ELEVATION VIEW

ITEM # 09 QTY(4)

Land Stewards Design Group
Planning Civil Landscape
5022 ROCKVILLE ROAD
INDIANAPOLIS, IN 46224
LANDSTEWARDSDG.COM

CLIENT / OWNER
CITY OF TERRE HAUTE

PROJECT NAME
HERZ ROSE PARK

PROJECT LOCATION
1515 Locust St.
Terre Haute, IN
47807

CONSULTANT 1
The Fountain People
4600 HWY 123
San Marcos, TX. 78667
p 512.392.1155

fountain people

100% CONSTRUCTION DOCUMENTS

NO.	REVISION	DATE

KEYMAP:

ISSUE DATE
12.07.2023

PROJECT NUMBER
23-005

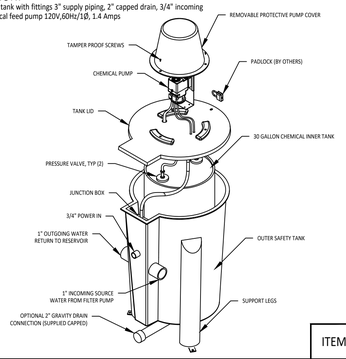
SHEET NAME
FOUNTAIN EQUIPMENT DETAILS SHEET 1

SHEET NUMBER
FM.01

PWA-30 CHEMICAL METER AND STORAGE TANK

PRODUCT SPECIFICATION:
Double wall 30-gallon acid storage tank with fittings 3" supply piping, 2" capped drain, 3/4" incoming conduit fitting and metering chemical feed pump 120V,60Hz/1ϕ, 1.4 Amps

ACID TANK

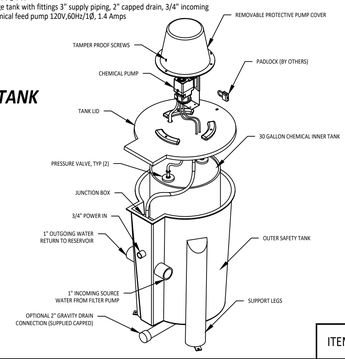


ITEM # 10 QTY(1)

PWC-30 CHEMICAL METER AND STORAGE TANK

PRODUCT SPECIFICATION:
Double wall 30-gallon acid storage tank with fittings 3" supply piping, 2" capped drain, 3/4" incoming conduit fitting and metering chemical feed pump 120V,60Hz/1ϕ, 1.4 Amps

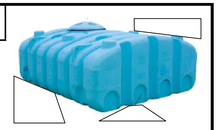
CHLORINE TANK

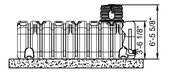


ITEM # 11 QTY(1)

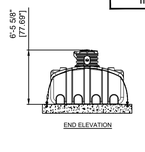
LPST-2000-P24341 WATER STORAGE TANK

PRODUCT SPECIFICATION:
Underground Water Storage Tank, high density polyethylene construction, using FDA and NSF resins, monolithic ribbed design for superior top load strength, and repeated filling and emptying cycles. Low profile design for shallower excavations, flats located to accept bulkhead fittings (tank adapters), and ventilation piping. Tie-down manhole cover with 28" hatchway riser, stabilization 'lugs' at corners to aid in transportation, handling, lifting and tie-down. Tank includes floating skimmer assembly. Tank material conforms to 21 CFR 111.1520 standards. Read all Low Profile Cistern Tank Installation Guidelines Before Installing Product.





PLAN VIEW



END ELEVATION

WARNING: FOR 'DRY HOLE' INSTALLATION ONLY.

DO NOT USE FOR DRINKING WATER
DO NOT INSTALL IN PATH OF VEHICLES
DO NOT INSTALL IN HIGH WATER TABLE AREAS.

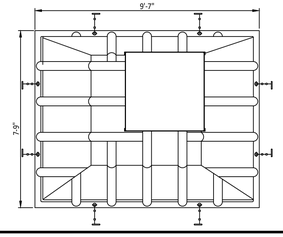
TECHNICAL DATA						
MODEL	CAPACITY	LENGTH 'A'	WIDTH	HEIGHT	NUMBER OF MANHOLES	MANHOLE EXTENSION RISER AVAILABLE
FWST-2000	2,000 GAL.	158"	97.90"	42.1"	1 @ 28" DIA.	24" HGT.

ITEM # 12 QTY(1)

FPV-G DIRECT BURIAL VAULT

PRODUCT SPECIFICATION:
Direct Burial Vault, heavy duty FRP enclosure measuring 9'-7" x 7'-9" x 8'-11" deep, that is structurally engineered and certified for in-ground installation. Furnished with 36" x 36" lockable landscape access hatch (green) and ladder up extension pole. The vault includes (1) 5-HP fountain display pump with integral basket strainer, discharge strainer with stainless-steel screen, includes throttling valves and (1) variable frequency drive and 1-HP filter pump with integral basket strainer, sand filter with multi-port valve assembly, NSF UV Sterilizer, BECS3 PH/ORP Water Treatment System with ethernet connection, suction & discharge isolation & throttling valves, 3/4" water fill manifold, sump pump assembly, forced air ventilation system, LED Lighting Panel with controller, and internal power supplies, wind control panel, a UL electrical control panel with pump starters and motor protectors, digital timeclocks, HOA switches, water level control relays, sequencing controller, and main disconnect switch. Unit is factory engineered, assembled, and tested prior to shipment. Power requirement: 120/208 Volt, 3-phase, 4-wire feeder + GND.

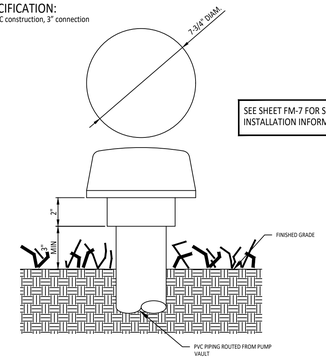
SEE SHEETS FM-07 & FM-08 FOR SPECIFIC VAULT INSTALLATION INFORMATION



ITEM # 13 QTY(1)

VCA-300-P VENT CAP

PRODUCT SPECIFICATION:
Vent Cap Assembly, PVC construction, 3" connection

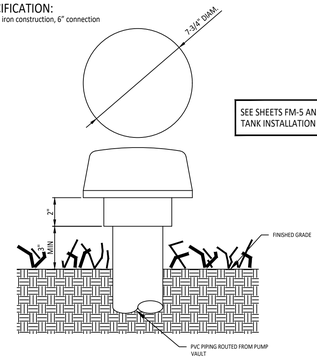


SEE SHEET FM-7 FOR SPECIFIC TANK INSTALLATION INFORMATION

ITEM # 14 QTY(1)

VCA-600 VENT CAP

PRODUCT SPECIFICATION:
Vent Cap Assembly, cast iron construction, 6" connection



SEE SHEETS FM-5 AND FM-6 FOR SPECIFIC TANK INSTALLATION INFORMATION

ITEM # 15 QTY(2)

Land Stewards Design Group
Planning Civil Landscape
5022 ROCKVILLE ROAD
INDIANAPOLIS, IN 46224
LANDSTEWARDSDG.COM

CLIENT / OWNER
CITY OF TERRE HAUTE

PROJECT NAME
HERZ ROSE PARK

PROJECT LOCATION
1515 Locust St.
Terre Haute, IN
47807

CONSULTANT 1

The Fountain People
4600 HWY 123
San Marcos, TX. 78667
p 512.392.1155

100% CONSTRUCTION DOCUMENTS

NO.	REVISION	DATE
1		
2		
3		
4		
5		
6		
7		
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10		
11		
12		
13		
14		

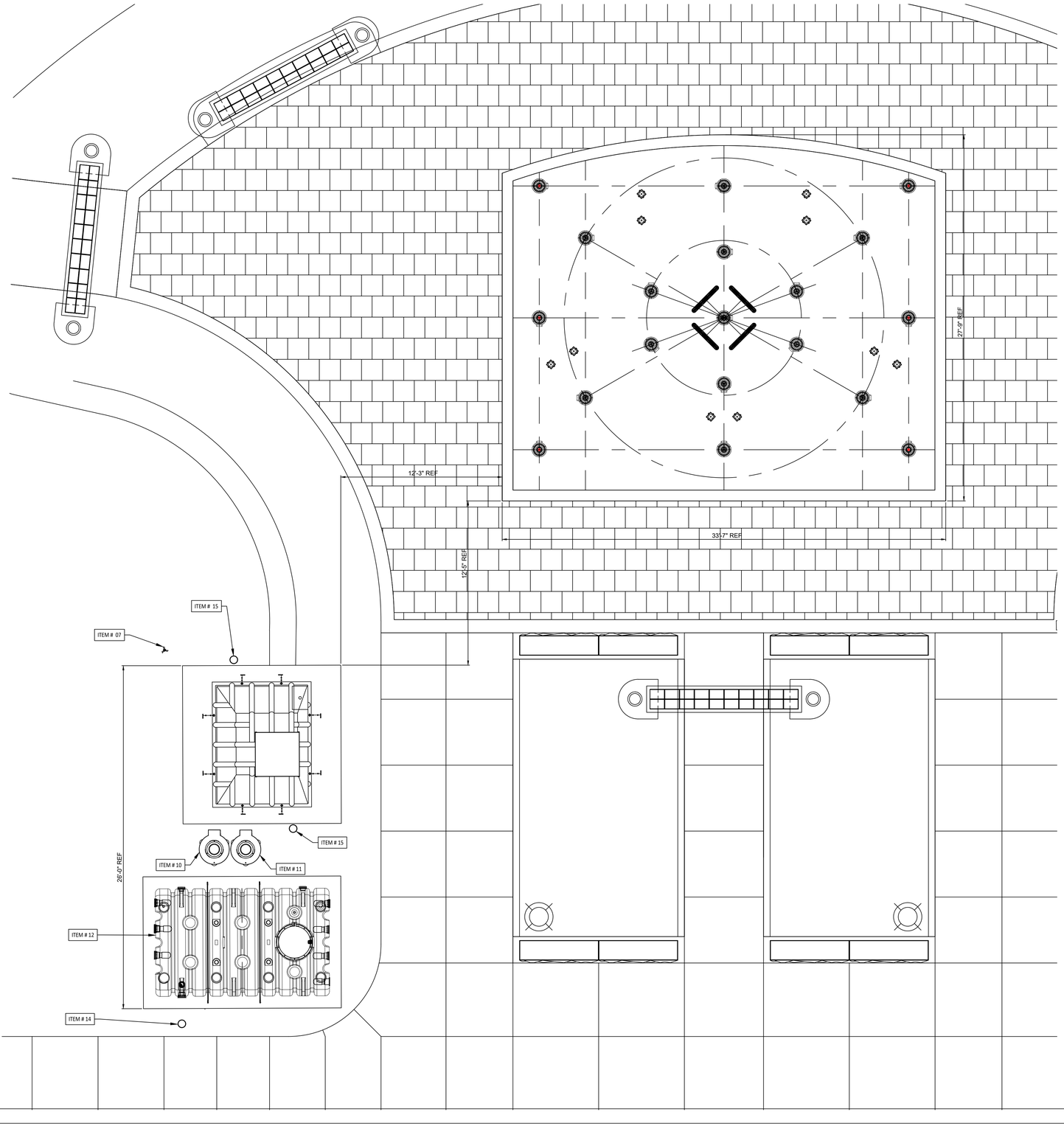
KEYMAP:

ISSUE DATE
12.07.2023

PROJECT NUMBER
23-005

SHEET NAME
FOUNTAIN EQUIPMENT DETAILS SHEET 2

SHEET NUMBER
FM.02



Herz Rose Park
Equipment List
Fountain People 10/16/23

Item #	Qty	Component Number	Description
^01	6	FIAC-2000-APJ	Fountain-in-a-Can
^02	9	FIAC-2000-JC	Fountain-in-a-Can
^03	4	FIAC-2000-SJ	Fountain-in-a-Can
^04	1	JB8-3-100	Junction Box, flush mount
^05	4	JB8-4-100	Junction Box, flush mount
06	10	PC-8882-D	Potting compound, 21 oz.
07	1	AN-1D	Wind Speed Sensor
08	1	WLS-CLH3	Water level control sensor
09	4	PCS-32-W	32" Channel Sump
10	1	PWA-30	Double wall 30-gallon acid storage tank (Acid Tank)
11	1	PWC-30	Double wall 30-gallon acid storage tank (Chlorine Tank)
12	1	LPST-2000-P24341	Underground Water Storage Tank
13	1	FPV-G-P24341	Direct Burial Vault
14	1	VCA-300-P	Vent Cap Assembly, 3"
15	2	VCA-600	Vent Cap Assembly, 6"

^ ITEM REQUIRED FOR FOUNTAIN CONCRETE POUR.

NOTICE TO INSTALLER

DIMENSIONS INDICATED ARE FOR REFERENCE ONLY! FINAL LAYOUT AND EXACT PLACEMENT OF NOZZLE ASSEMBLIES TO BE VERIFIED BY THE ARCHITECT, LANDSCAPE ARCHITECT AN/OR OWNER.

NOTE:
ARCHITECTURAL DETAILING SHOWN FOR REFERENCE ONLY.

Land Stewards Design Group
Planning Civil Landscape
5022 ROCKVILLE ROAD
INDIANAPOLIS, IN 46224
LANDSTEWARDSDG.COM

CLIENT / OWNER
CITY OF TERRE HAUTE

PROJECT NAME
HERZ ROSE PARK

PROJECT LOCATION
1515 Locust St.
Terre Haute, IN
47807

CONSULTANT 1
The Fountain People
4600 HWY 123
San Marcos, TX. 78667
p 512.392.1155

fountain people

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NO.	REVISION	DATE

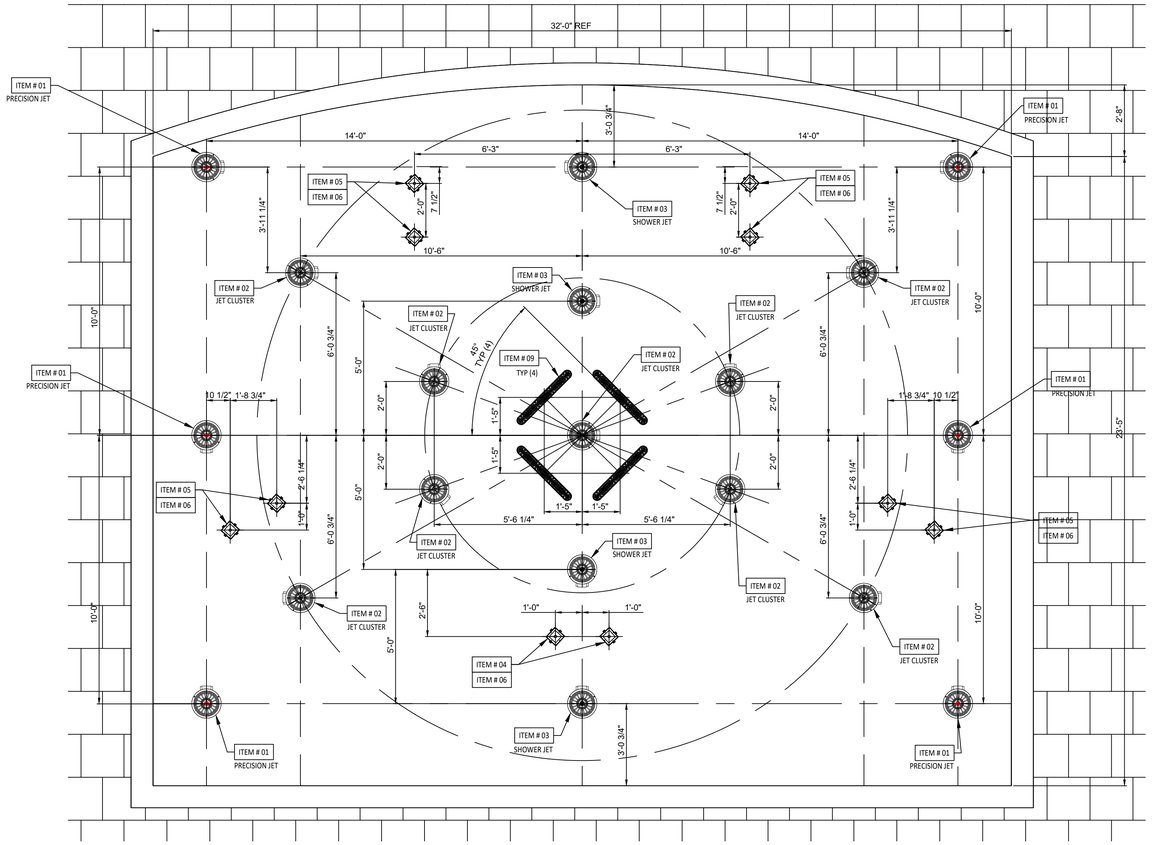
KEYMAP:

ISSUE DATE
12.07.2023

PROJECT NUMBER
23-005

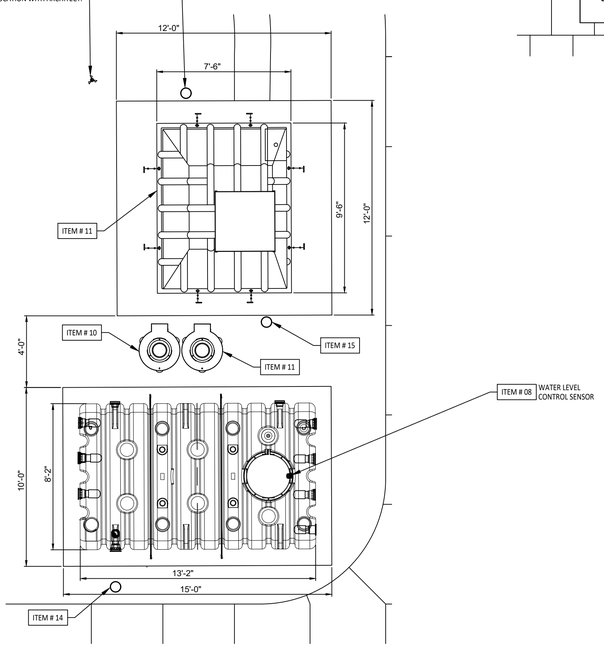
SHEET NAME
FOUNTAIN SITE PLAN

SHEET NUMBER
FM.03



SPLASHPAD PLAN VIEW

SCALE: 3/8" = 1'-0"



EQUIPMENT PLAN VIEW

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

Herz Rose Park
Equipment List
Fountain People 10/16/23

Item #	Qty	Component Number	Description
^01	6	FIAC-2000-APJ	Fountain-in-a-Can
^02	9	FIAC-2000-JC	Fountain-in-a-Can
^03	4	FIAC-2000-SJ	Fountain-in-a-Can
^04	1	JB8-3-100	Junction Box, flush mount
^05	4	JB8-4-100	Junction Box, flush mount
06	10	PC-8882-D	Potting compound, 21 oz.
07	1	AN-1D	Wind Speed Sensor
08	1	WLS-CLH3	Water level control sensor
09	4	PCS-32-W	32" Channel Sump
10	1	PWA-30	Double wall 30-gallon acid storage tank (Acid Tank)
11	1	PWC-30	Double wall 30-gallon acid storage tank (Chlorine Tank)
12	1	LPST-2000-P24341	Underground Water Storage Tank
13	1	FPV-G-P24341	Direct Burial Vault
14	1	VCA-300-P	Vent Cap Assembly, 3"
15	2	VCA-600	Vent Cap Assembly, 6"

^ ITEM REQUIRED FOR FOUNTAIN CONCRETE POUR.

NOTICE TO INSTALLER

DIMENSIONS INDICATED ARE FOR REFERENCE ONLY! FINAL LAYOUT AND EXACT PLACEMENT OF NOZZLE ASSEMBLIES TO BE VERIFIED BY THE ARCHITECT, LANDSCAPE ARCHITECT AN/OR OWNER.

NOTE:
ARCHITECTURAL DETAILING SHOWN FOR REFERENCE ONLY.

Land Stewards Design Group
Planning Civil Landscape
5022 ROCKVILLE ROAD
INDIANAPOLIS, IN 46224
LANDSTEWARDSDSG.COM

CLIENT / OWNER
CITY OF TERRE HAUTE

PROJECT NAME
HERZ ROSE PARK

PROJECT LOCATION
1515 Locust St.
Terre Haute, IN
47807

CONSULTANT 1
The Fountain People
4600 HWY 123
San Marcos, TX. 78667
p 512.392.1155

fountain people

100% CONSTRUCTION DOCUMENTS

NO.	REVISION	DATE

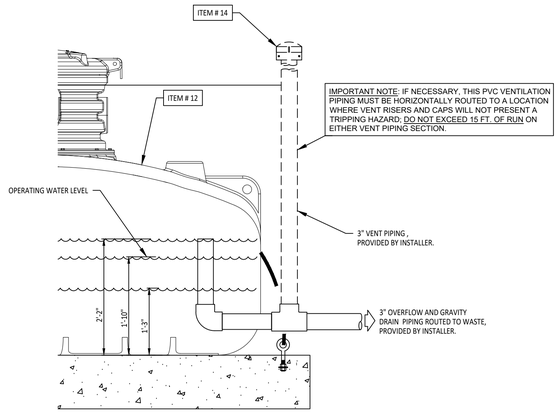
KEYMAP:

ISSUE DATE
12.07.2023

PROJECT NUMBER
23-005

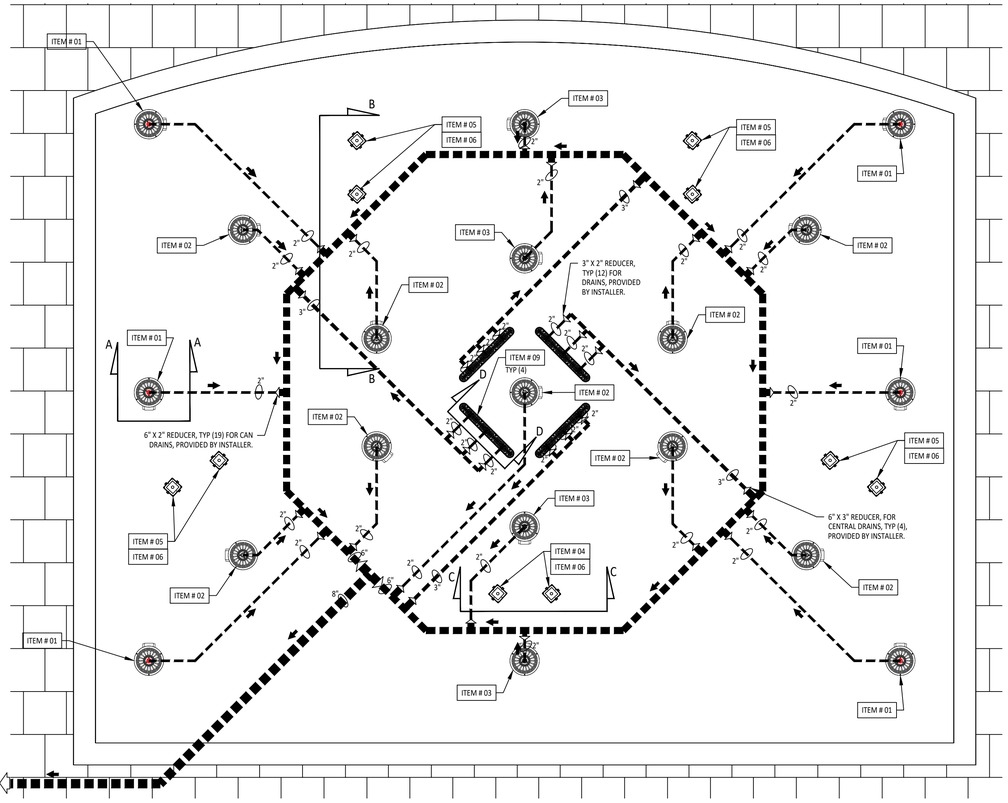
SHEET NAME
FOUNTAIN DIMENSION PLAN

SHEET NUMBER
FM.04



SECTION 'E'

SCALE: 3/4" = 1'-0"



SPLASHPAD PLAN VIEW

SCALE: 3/8" = 1'-0"

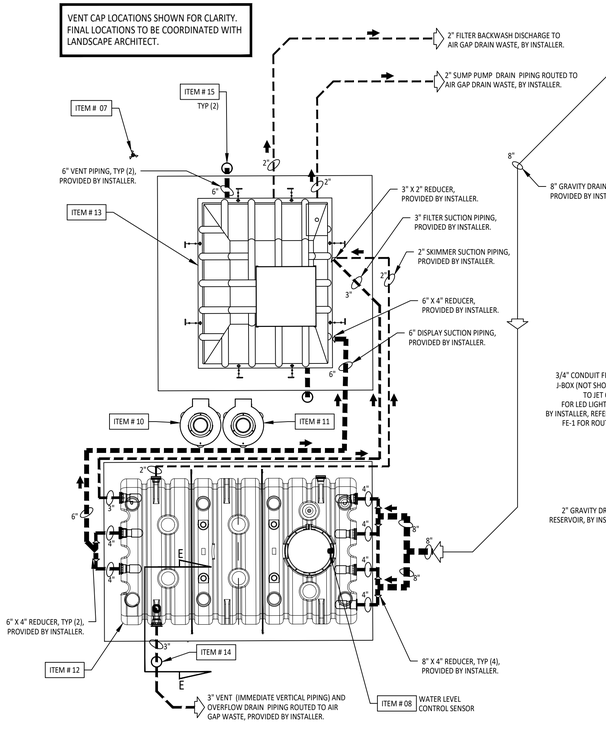
Herz Rose Park Equipment List Fountain People 10/16/23			
Item #	**Qty**	**Component Number**	**Description**
^01	6	FIAC-2000-APJ	Fountain-in-a-Can
^02	9	FIAC-2000-JC	Fountain-in-a-Can
^03	4	FIAC-2000-SJ	Fountain-in-a-Can
^04	1	JB8-3-100	Junction Box, flush mount
^05	4	JB8-4-100	Junction Box, flush mount
06	10	PC-8882-D	Potting compound, 21 oz.
07	1	AN-1D	Wind Speed Sensor
08	1	WLS-CLH3	Water level control sensor
09	4	PCS-32-W	32" Channel Sump
10	1	PWA-30	Double wall 30-gallon acid storage tank (Acid Tank)
11	1	PWC-30	Double wall 30-gallon acid storage tank (Chlorine Tank)
12	1	LPST-2000-P24341	Underground Water Storage Tank
13	1	FPV-G-P24341	Direct Burial Vault
14	1	VCA-300-P	Vent Cap Assembly, 3"
15	2	VCA-600	Vent Cap Assembly, 6"

^ ITEM REQUIRED FOR FOUNTAIN CONCRETE POUR.

NOTE: ALL PIPING AND CONDUITS SHOWN ARE DIAGRAMMATIC IN NATURE AND ARE NOT INTENDED TO REPRESENT THE ACTUAL PIPE ROUTING FOR THIS PROJECT.

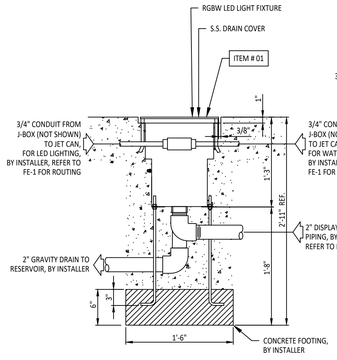
NOTE:
ARCHITECTURAL DETAILING SHOWN FOR REFERENCE ONLY.

VENT CAP LOCATIONS SHOWN FOR CLARITY. FINAL LOCATIONS TO BE COORDINATED WITH LANDSCAPE ARCHITECT.



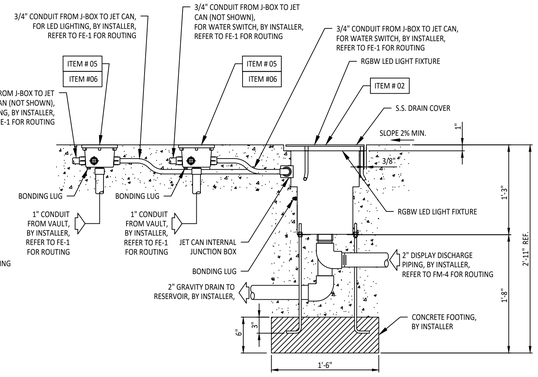
EQUIPMENT PLAN VIEW

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



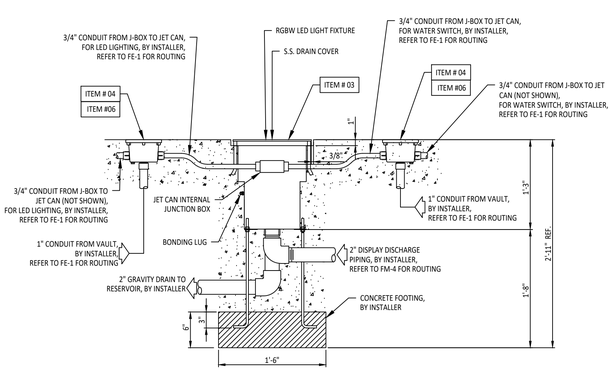
SECTION 'A'

SCALE: 1" = 1'-0"



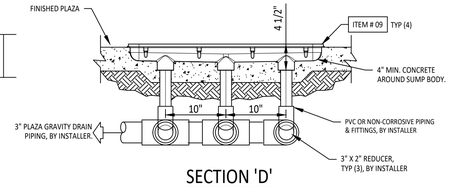
SECTION 'B'

SCALE: 1" = 1'-0"



SECTION 'C'

SCALE: 1" = 1'-0"



SECTION 'D'

SCALE: 1" = 1'-0"

Land Stewards Design Group
Planning Civil Landscape
5022 ROCKVILLE ROAD
INDIANAPOLIS, IN 46224
LANDSTEWARDSDG.COM

CLIENT / OWNER
CITY OF TERRE HAUTE

PROJECT NAME
HERZ ROSE PARK

PROJECT LOCATION
1515 Locust St.
Terre Haute, IN
47807

CONSULTANT 1
The Fountain People
4600 HWY 123
San Marcos, TX. 78667
p 512.392.1155

fountain people

100% CONSTRUCTION DOCUMENTS

NO.	REVISION	DATE

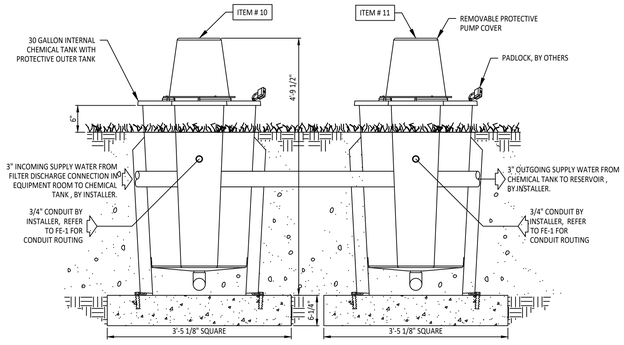
KEYMAP:

ISSUE DATE
12.07.2023

PROJECT NUMBER
23-005

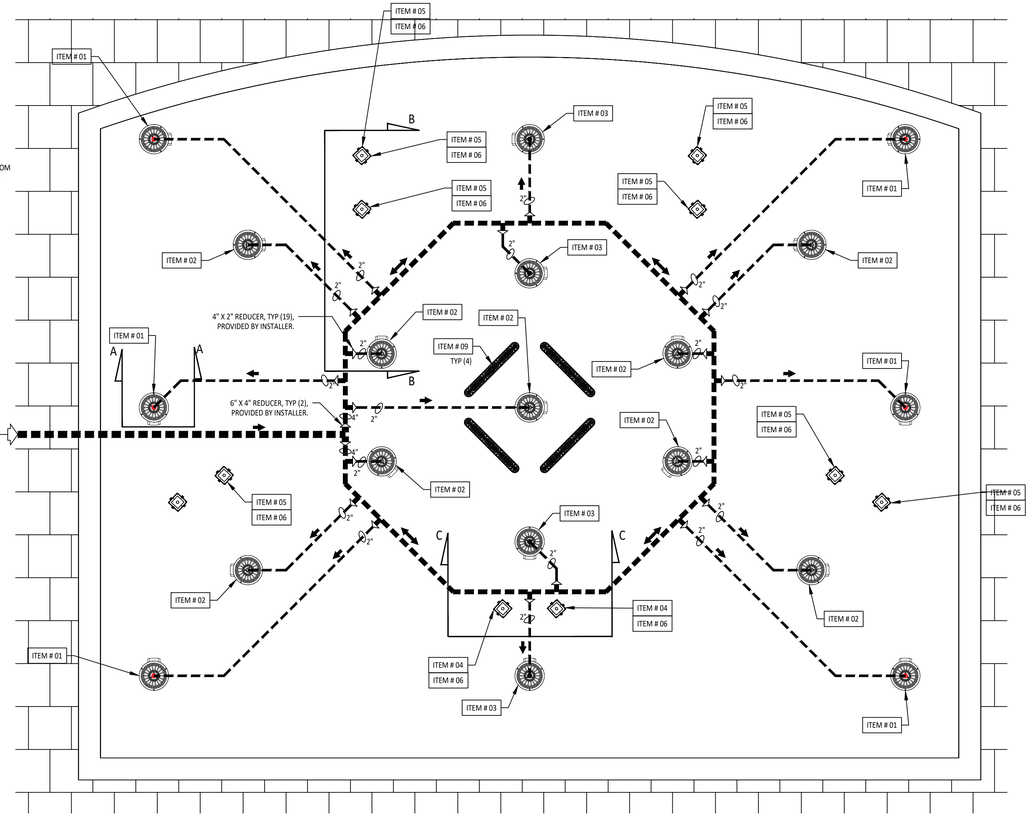
SHEET NAME
FOUNTAIN SUCTION, DRAIN & VENT PIPING PLAN

SHEET NUMBER
FM.05



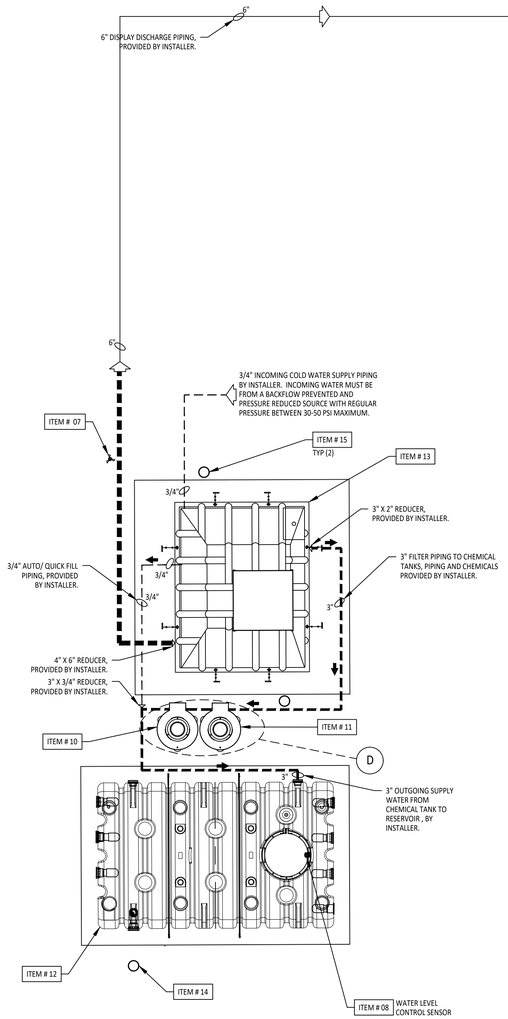
DETAIL 'D'

SCALE: 3/4" = 1'-0"



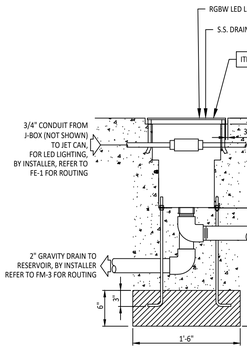
SPLASHPAD PLAN VIEW

SCALE: 3/8" = 1'-0"



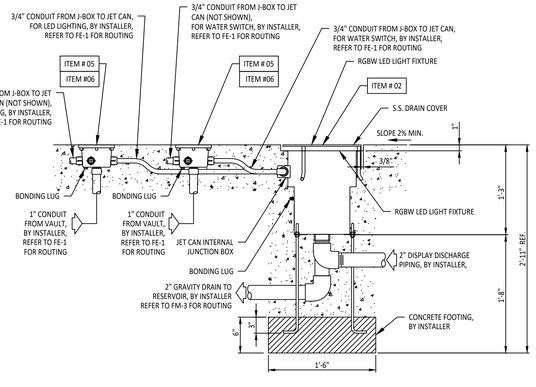
EQUIPMENT PLAN VIEW

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



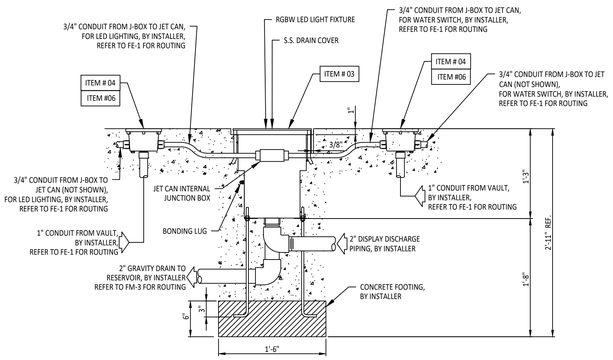
SECTION 'A'

SCALE: 1" = 1'-0"



SECTION 'B'

SCALE: 1" = 1'-0"



SECTION 'C'

SCALE: 1" = 1'-0"

Herz Rose Park
Equipment List
Fountain People 10/16/23

Item #	Qty	Component Number	Description
^01	6	FIAC-2000-APJ	Fountain-in-a-Can
^02	9	FIAC-2000-JC	Fountain-in-a-Can
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11	1	PWC-30	Double wall 30-gallon acid storage tank (Chlorine Tank)
12	1	LPST-2000-P24341	Underground Water Storage Tank
13	1	FPV-G-P24341	Direct Burial Vault
14	1	VCA-300-P	Vent Cap Assembly, 3"
15	2	VCA-600	Vent Cap Assembly, 6"

^ ITEM REQUIRED FOR FOUNTAIN CONCRETE POUR.

NOTE: ALL PIPING AND CONDUITS SHOWN ARE DIAGRAMMATIC IN NATURE AND ARE NOT INTENDED TO REPRESENT THE ACTUAL PIPE ROUTING FOR THIS PROJECT.

NOTE:
ARCHITECTURAL DETAILING SHOWN FOR REFERENCE ONLY.

Land Stewards Design Group
Planning Civil Landscape
5022 ROCKVILLE ROAD
INDIANAPOLIS, IN 46224
LANDSTEWARDSDG.COM

CLIENT / OWNER
CITY OF TERRE HAUTE

PROJECT NAME
HERZ ROSE PARK

PROJECT LOCATION
1515 Locust St.
Terre Haute, IN
47807

CONSULTANT 1
The Fountain People
4600 HWY 123
San Marcos, TX. 78667
p 512.392.1155

100% CONSTRUCTION DOCUMENTS

NO.	REVISION	DATE

KEYMAP:

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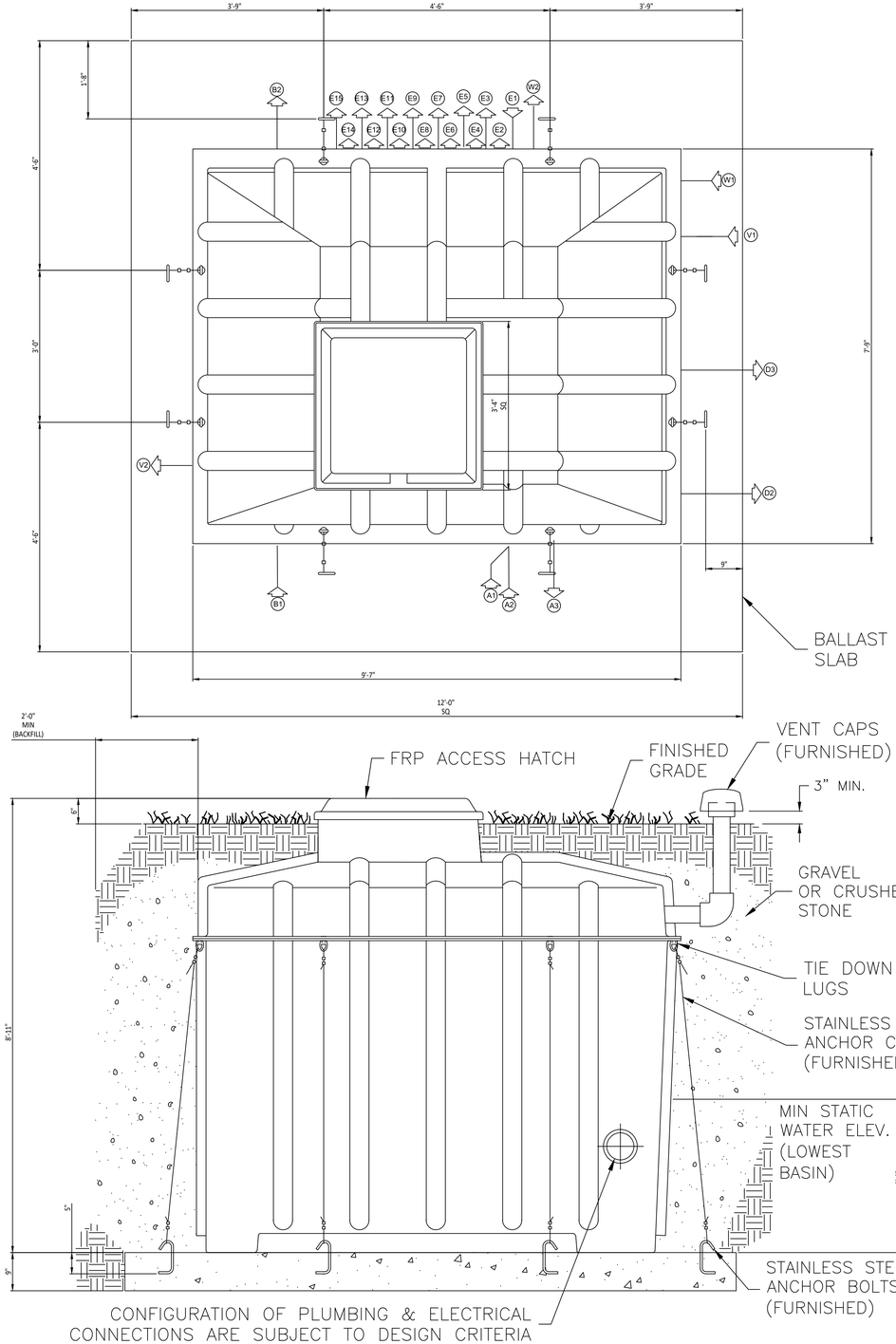
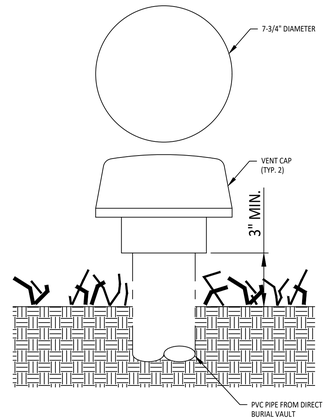
PROJECT NUMBER
23-005

SHEET NAME
FOUNTAIN DISCHARGE & FILL PIPING PLAN

SHEET NUMBER
FM.06



NOTE: INTERCONNECTING PIPE, CONDUIT AND WIRE BY INSTALLER



VENT CAP DETAIL

SCALE: AS SHOWN

SEE FM-4 FOR ADDITIONAL INSTALLATION INFORMATION

INSTALLER CONNECTION NOTIFICATION

DUE TO FINAL FABRICATION PROCESSES, THE LOCATIONS FOR ALL PENETRATIONS INDICATED ARE "APPROXIMATE".

IN THE EVENT SPECIFIC LOCATIONS ARE REQUIRED DUE TO FIELD CONDITIONS, AVOIDANCE OF OTHER TRADES, ETC, PLEASE CONTACT FOUNTAIN PEOPLE.

SYSTEM POWER REQUIREMENT:
120/208V, THREE PHASE, 4-WIRE FEEDER + GND. @ 50.0 AMPS
CONTACT FACTORY IMMEDIATELY IF NOT AVAILABLE.

PIPING/CONDUIT LEGEND		
SYM.	SIZE	DESCRIPTION
A1	2"	FILTER SUCTION PIPING CONNECTION, INSTALLER TO IMMEDIATELY INCREASE TO 3"
A2	2"	FILTER SKIMMER SUCTION PIPING CONNECTION
A3	2"	FILTER DISCHARGE PIPING CONNECTION, INSTALLER TO IMMEDIATELY INCREASE TO 3"
B1	4"	DISPLAY PUMP SUCTION PIPING CONNECTION, INSTALLER TO IMMEDIATELY INCREASE TO 6"
B2	4"	DISPLAY PUMP DISCHARGE PIPING, INSTALLER TO IMMEDIATELY INCREASE TO 6"
D1	2"	SUMP GRAVITY DRAIN CONNECTION (INSTALLER TO CAP IF NOT USED)
D2	2"	SUMP PUMP DISCHARGE (TO AIR GAP WASTE, BY INSTALLER)
D3	2"	SAND FILTER DISCHARGE (TO AIR GAP WASTE, BY INSTALLER)
E1	1"C.	***120/208V., THREE-PHASE, 4-WIRE***, FEEDER + GND. @ 50.0 AMPS
E2	3/4"C.	WATER LEVEL SENSOR CONDUIT FROM VAULT TO RESERVOIR TANK
E3	3/4"C.	CONDUIT FROM PWA-30 CHEMICAL TREATMENT METER JUNCTION BOX (ACID)
E4	3/4"C.	CONDUIT FROM PWC-30 CHEMICAL TREATMENT METER JUNCTION BOX (CHLORINE)
E5	1/2"C.	CONDUIT FROM VAULT TO WIND ANEMOMETER

PIPING/CONDUIT LEGEND		
SYM.	SIZE	DESCRIPTION
E6	1"C.	CONDUIT FROM VAULT TO JUNCTION BOX (FOR LED LIGHTS)
E7	1"C.	CONDUIT FROM VAULT TO JUNCTION BOX (FOR LED LIGHTS)
E8	1"C.	CONDUIT FROM VAULT TO JUNCTION BOX (FOR LED LIGHTS)
E9	1"C.	CONDUIT FROM VAULT TO JUNCTION BOX (FOR LED LIGHTS)
E10	1"C.	CONDUIT FROM VAULT TO JUNCTION BOX (FOR LED LIGHTS)
E11	1"C.	CONDUIT FROM VAULT TO JUNCTION BOX (FOR WATER SWITCH)
E12	1"C.	CONDUIT FROM VAULT TO JUNCTION BOX (FOR WATER SWITCH)
E13	1"C.	CONDUIT FROM VAULT TO JUNCTION BOX (FOR WATER SWITCH)
E14	1"C.	CONDUIT FROM VAULT TO JUNCTION BOX (FOR WATER SWITCH)
E19	1"C.	CONDUIT FROM VAULT TO JUNCTION BOX (FOR WATER SWITCH)
V1	6"	PVC 'SOCKET' INTAKE VENT
V2	6"	PVC 'SOCKET' EXHAUST VENT
W1	3/4"	C.W.S. IN FROM CODE COMPLIANT, BACKFLOW PROTECTED SOURCE; REGULATE WATER PRESSURE DOWN TO 50 PSI MAX. / 30 PSI MIN.; BY INSTALLER
W2	3/4"	WATER FILL/MAKE-UP TO 2" FILTER RETURN PIPING, OUTSIDE VAULT; BY INSTALLER

ADVISORY

THE CONSTRUCTION OF THE DBV-SERIES DIRECT-BURIALVAULT IS INTENDED FOR "DRY" INSTALLATION ONLY!

ANY PROLONGED OR TEMPORARY EXCESS GROUND WATER SURROUNDING THE VAULT MAY CAUSE INTERNAL LEAKS. THIS INCLUDES, BUT IS NOT LIMITED TOO; INSTALLED GROUND IRRIGATION, RAIN, STORM RUNOFF, FLOODING OR OTHER WATER INTRODUCING EVENT.

IN THE EVENT THESE CONDITIONS MAY BE PRESENT AT ANYTIME, IT IS "NOT THE RESPONSIBILITY" OF THE FOUNTAIN PEOPLE TO MAKE ANY RECOMMENDATIONS BEYOND THE SCOPE OF THIS DRAWING PACKAGE. THE OWNER, LANDSCAPE ARCHITECT, ARCHITECT, SPECIFICATION WRITER AND/OR THE INSTALLER WILL COORDINATE AS NEEDED WITH THE PROPER SITE CIVIL ENGINEER TO CREATE A SUITABLE, PERMANENT INSTALLATION ENVIRONMENT FOR THE VAULT. ANY ADDITIONAL COSTS ASSOCIATED WITH OBTAINING THESE SERVICES ARE NOT THE RESPONSIBILITY OF THE FOUNTAIN PEOPLE.

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Planning Civil Landscape
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CONSULTANT 1

The Fountain People
4600 HWY 123
San Marcos, TX. 78667
p 512.392.1155

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NO.	REVISION	DATE

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SHEET NAME
DIRECT BURIAL VAULT INSTALLATION DETAILS SHEET 1

SHEET NUMBER
FM.07

INSTALLATION INSTRUCTIONS

Receiving the Vault
Upon arrival of vault, check both interior and exterior for shipping damage. Report any damage found to the freight carrier and Fountain People, Inc. immediately. If vault is free of damage, proceed with installation. If equipment vault is not to be installed immediately, store in a covered area safe from flooding. If a sand filter is used, filtration sand must be provided and installed by others.

Excavation
Excavate as required and pour a flat ballast slab of size indicated on the drawing. Ballast slab should be reinforced with grid using #4 re-bar on 12" centers. Stainless steel anchor hooks should be tied to the reinforcing grid and located as detailed.

Installing the Vault in the Excavation
Rig vault with straps, taking care not to damage housing or piping connections. Do not use chains or cables to rig vault. Lower vault onto the ballast slab and secure using the stainless steel hardware provided. If the vault is to be secured with cables, loop the stainless steel anchor cables (provided) around slab anchor hooks and through the tie-down lugs on vault. Secure cables with the connection hardware provided. Remove slack from the cables then tighten the cable clamps to the torque rating indicated on the thimble tag provided. Do not over-tighten the cables.

Safeguarding the Vault
If the vault is equipped with forced air ventilation, sump pumps, or gravity drains, these must be connected and made operational immediately. Do not allow excavation to fill with water prior to backfilling as the vault may flood through an opening or attempt to float and damage fittings or anchoring hardware.

Connecting the Vault
Connect all piping and conduit, as required, to connections provided on vault exterior. Do not externally load the vault connections or allow the connections to support the weight of the connected piping. If the piping is not supported properly, soil settling can result in excessive loading on the piping. This can result in broken piping and misaligned connections in the vault.

Wiring the Vault
Conduit wiring must be sealed to prevent water from entering the vault through the conduit.

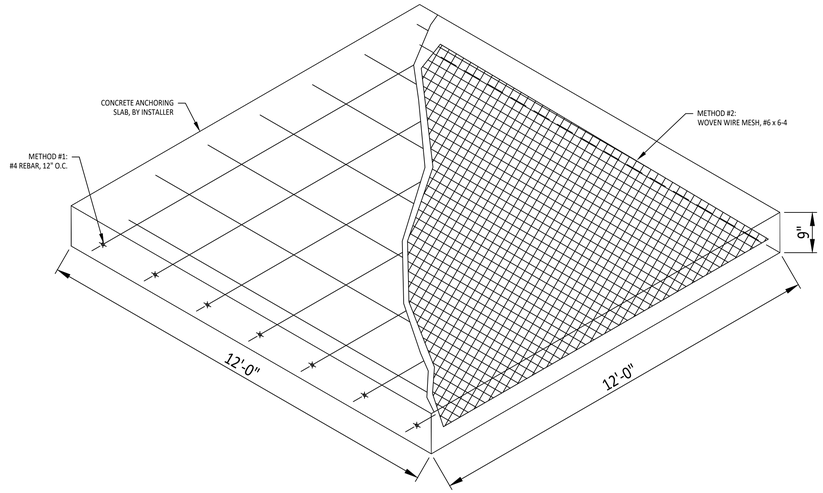
Pressure Testing the Connections
Pressure test all piping connected to vault to insure there are no leaks. All equipment and piping within vault has been factory pressure tested. Do not exceed 30 PSI in pressure testing any piping connected to vault.

Ventilation Connections
If external vent piping is required, route it with as few bends as possible to a location safe from flooding. Length of vent piping should be as short as possible and should not exceed 20'-0". If a longer piping length is necessary, contact The Fountain People, Inc. Vent caps, if used, should be installed on ends of vent piping immediately to prevent rain or debris from entering the vent piping.

Backfilling
When backfilling, protect open ends of all piping to prevent backfill material from entering the piping system. Backfill material should be a rounded gravel or crushed stone (1/4" to 3/4" Max. and less than 5% fines). There should be at least 2'-0" of backfill material on all sides of vault between the vault and the surrounding earth. The top of the access hatch should be above finished grade (as indicated on the drawing) and located in an area that is safe from flooding. DO NOT USE SAND OR DIRT FOR BACKFILL. If the surrounding earth has poor drainage provide some means for water to drain away from the vault.

FAILURE TO FOLLOW ALL THE ABOVE PROCEDURES COULD RESULT IN SERIOUS DAMAGE TO THE EQUIPMENT AND WILL VOID THE WARRANTY ON THIS PRODUCT.

For any questions concerning these installation instructions or the installation of the vault system please contact Fountain People, Inc. at (512) 392-1155.



DUE TO FINAL ASSEMBLY AND DRILL LOCATIONS IN THE FIBERGLASS FROM THE FACTORY, INSTALLER TO FIELD VERIFY FINAL ANCHOR HOLE POSITIONS PRIOR TO LOCATING AND INSTALLING ANCHORS IN THE CONCRETE SLAB.

CONCRETE ANCHOR SLAB

SCALE: NONE

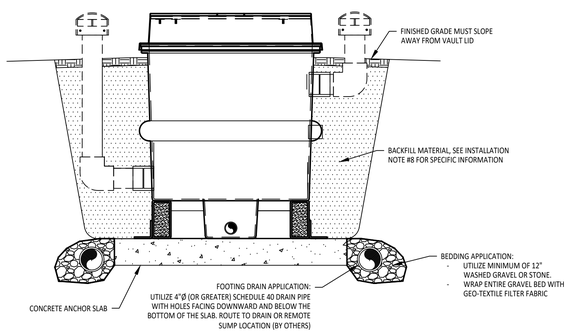
SEE FM-.07 FOR ADDITIONAL INSTALLATION INFORMATION

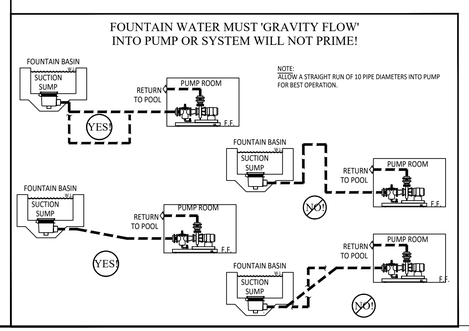
NOTICE TO INSTALLER

ALL GENERAL VAULT INSTALLATION, SITE PREPARATION AND "MEP" WORK SHOWN ARE PRESENTED AS MINIMUM REQUIREMENTS. STATE, COUNTY AND LOCAL CODES MAY REQUIRE ADDITIONAL CONSTRUCTION AND INSTALLATION METHODS TO COMPLY WITH LOCAL ORDINANCES. INSTALLER TO COORDINATE WITH GENERAL CONTRACTOR ON ANY SPECIFIC SITE INSTALLATION REQUIREMENTS.

DBV-SERIES GROUND WATER REMOVAL APPLICATION (IF REQUIRED, BY INSTALLER)

SUMP WELL APPLICATION:
IF FOOTING DRAIN IS NOT AVAILABLE FOR GROUND WATER REMOVAL APPLICATION, INSTALLER TO CONSULT CIVIL ENGINEER FOR POSSIBLE SUMP PUMP WELL OR OTHER REMOVAL OPTION.





ADVISORY

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CONSULTANT 1
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p 512.392.1155

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SHEET NAME
DIRECT BURIAL VAULT INSTALLATION DETAILS SHEET 2

SHEET NUMBER
FM.08

LOW PROFILE CISTERN TANK INSTALLATION GUIDELINES

1. General Information
   a) Check with the governing agency in your county or city for specific installation requirements for cistern tank systems. These codes may specify different installation details than presented in this guideline and as a result will have precedence.

   b) Never install this product in an area with a high water table or in a water-saturated clay mix. Failure to heed may result in tank damage an/or contamination from leakage.

   c) Never install this product beneath vehicular traffic. Tank is not designed for these traffic loads. Failure to heed may result in tank collapse and/or contamination from leakage.

   d) Use of this product in areas with frost depths below 28" will require suitable submersible tank heaters be installed. Heaters must have UL rating for this application.

   e) It is recommended that if tank is to be utilized for drinking water that suitable means of filtration and treatment be provided and that the water in the tank be checked regularly against your local drinking water standards.

   f) Tanks that are equipped with above ground access must have the access cover securely locked. The riser option provides a locking ear so that access cover can be secured with a tamper proof lock.

2. Site Excavation

   a) Surrounding site soil must be undisturbed soil or a well-compacted engineering fill.

   b) Measure tank width, height and length to establish excavation profile.

   c) Excavate and provide a well-compacted support layer of sand/gravel mixture so that Dimension "A" is a minimum of 6" for soil terrain and 12" for rocky terrain.

   d) Allow Dimension "B" to be a maximum of 28".

   e) Allow Dimension "C" to be a minimum of 18" and a maximum of 36".

   f) Place and center tank in excavated hole using lifting ears provided. Do not lift tank with the lid opening.

3. Tank Plumbing
   a) Tank features a variety of fitting installation options. Be certain all plumbing materials are rated for the intended application for tank.

   b) Supply lines should have flexible couplings installed to accommodate soil expansion, contraction and settlement.

4. Site Backfilling
   a) Backfill around tank using sand/gravel mixture.

   b) Mound soil over tank to provide sufficient site drainage and to prevent pooling around tank lid and riser opening.

   c) Site should be periodically checked for soil settlement and maintenance provided as necessary for adequate drainage.

OSHA DEFINED "CONFINED SPACE" INFORMATION

Certain sites contain spaces that are considered to be "confined" because their configurations hinder the activities of any individual who must enter into, work in, and exit from them. In many instances, individuals who work in confined spaces also face increased risk of exposure to serious physical injury from hazards such as entrapment, engulfment, and hazardous atmospheric conditions. Confinement itself may pose entrapment hazards, and work in confined spaces may keep an individual closer to hazards, such as machinery components, than they would otherwise. For example, confinement, limited access, and restricted airflow can result in hazardous conditions that would not normally arise in an open workplace.

The term "PERMIT-REQUIRED CONFINED SPACE" (i.e. permit space) refers to those spaces that meet the definition of a "confined space" and contain health or safety hazards, thereby requiring a permit for entry.

A confined space has limited or restricted means of entry or exit, is large enough for an individual to enter and perform assigned work, and is not designed for continuous occupancy by the individual. These spaces may include, but are not limited to underground vaults, tanks, pits and containment vessels.

A "PERMIT-REQUIRED CONFINED SPACE" is one that meets the definition of a confined space and has one or more of these characteristics: (1) contains or has the potential to contain a hazardous atmosphere, (2) contains a material that has the potential for engulfing an entrant, (3) has an internal configuration that might cause and entrant to be trapped or asphyxiated by inwardly converging walls or by a floor that slopes downward and tapers to a smaller cross section, and/or (4) contains any other recognized serious safety or health hazards.

Owner assumes all responsibility & liability for ascertaining whether direct-burial pump stations meet the definition of "PERMIT-REQUIRED CONFINED SPACE" and implementing any/all 'OSHA' requirements for identification, notification, entry and, safety, including any additional safety equipment that may be required for such entry.

IMPORTANT NOTES:
1. THE SUGGESTED MEANS FOR DRAINING WATER STORAGE TANK; INSTALLER TO PROVIDE PORTABLE 1/2 HP MANUAL SUMP PUMP, TETHER LINE (FOR LOWERING INTO TANK AND RETRIEVAL) EXTENSION CORD. MINIMUM 1 1/2" FLEX HOSE AND NECESSARY HOSE CLAMPS AND FITTINGS, AS REQUIRED.

2. TO SIMPLIFY THE DRAIN-DOWN PROCESS THE 4" PVC RISER FOR TANK GRAVITY OVERFLOW DRAIN, MAY BE USED FOR SUMP PUMP FLEX HOSE DISCHARGE (LOCAL CODES PERMITTING) AND REMOVED AFTER DRAINING. NEVER LEAVE ANY HOSE, FITTING, ETC., INSIDE THE TANK THAT MAY RESTRICT OVERFLOW DRAIN AND PREVENT NORMAL OVERFLOW OPERATION.

3. CAUTION: DO NOT LEAVE TANK EMPTY ANY LONGER THAN NECESSARY, TO AVOID HYDRO-STATIC 'LIFTING' POTENTIAL, SHOULD GROUND BECOME WATER SATURATED DURING SUDDEN STORM, ETC.

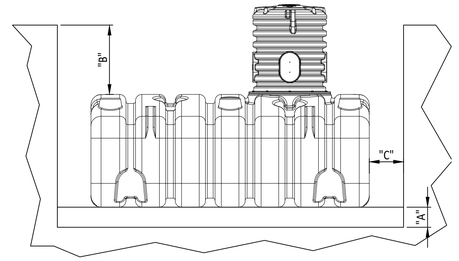
WATER LEVEL SYSTEM OPERATION LOGIC:

1. WHEN DISPLAY PUMP IS 'OFF' THE INITIAL FILL SIGNAL IS RECEIVED FROM THE 'HIGH' LEVEL ELECTRODE (BLACK LEAD).

2. WHEN DISPLAY PUMP IS 'ON' RELAY CR2 IS ENERGIZED AND THE FILL SIGNAL IS RECEIVED FROM THE INTERMEDIATE ('MID') LEVEL ELECTRODE (WHITE LEAD), TO MAINTAIN THE OPERATING WATER LEVEL.

3. IF MAKE-UP WATER FILL FUNCTION IS UNSUCCESSFUL AND TANK WATER LEVEL CONTINUES TO DROP, PUMP AND LIGHTING (WHEN APPLICABLE) CONTROL CIRCUITS WILL DE-ENERGIZE WHEN 'LOW' LEVEL ELECTRODE (RED LEAD) LOSES CONTACT WITH REMAINING TANK WATER LEVEL.

4. CONTROL SYSTEM WILL NOT RESET UNTIL WATER MAKE-UP FUNCTION HAS BEEN CORRECTED AND WATER LEVEL HAS BEEN RESTORED TO THE STATIC WATER LEVEL; ONCE ACCOMPLISHED, RE-ENERGIZE PUMP AND LIGHTING (WHEN APPLICABLE) CONTROL CIRCUITS.

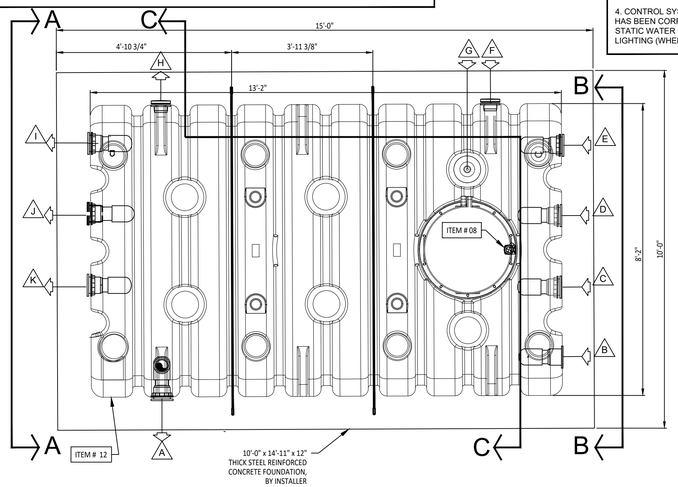


WATER STORAGE TANK CONNECTION LEGEND

SYM.	SIZE	DESCRIPTION
A	3"	OVERFLOW/GRAVITY DRAIN TO WASTE & VENT RISER, MUST BE BACK FLOW PREVENTED; BY INSTALLER
B	4"	GRAVITY DRAIN RETURN PIPING FROM FOUNTAIN DECK FITTINGS; BY INSTALLER
C	4"	GRAVITY DRAIN RETURN PIPING FROM FOUNTAIN DECK FITTINGS; BY INSTALLER
D	4"	GRAVITY DRAIN RETURN PIPING FROM FOUNTAIN DECK FITTINGS; BY INSTALLER
E	4"	GRAVITY DRAIN RETURN PIPING FROM FOUNTAIN DECK FITTINGS; BY INSTALLER
F	3"	FILTER PUMP RETURN; BY INSTALLER
G	1/2"C.	18-3 SENSOR CABLE FROM W/L SENSOR HOUSING TO FOUNTAIN CONTROL PANEL
H	2"	FILTER PUMP SKIMMER SUCTION; BY INSTALLER
I	3"	FILTER PUMP SUCTION; BY INSTALLER
J	4"	DISPLAY PUMP SUCTION; BY INSTALLER
K	4"	DISPLAY PUMP SUCTION; BY INSTALLER

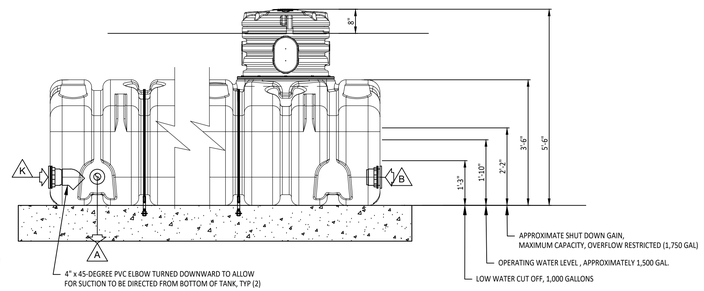
PWST-SERIES, POLYETHYLENE WATER STORAGE TANK INSTALLATION NOTES, PLEASE READ CAREFULLY

1. In all cases finished grade around the tank must be sloped away from the access hatchway in all directions so no water flows into the tank (see installation details this sheet). Do not allow water to "pool" around tank under any circumstances. OPERATING RESERVOIR WATER LEVEL
2. Prior to tank installation, a level smooth, steel reinforced concrete pad, as sized on this drawing sheet, must be poured, and must include the four (4) installer provided 3/4" stainless steel "L"-bolts (see installation drawing).
3. The tank must be lifted using a properly weighted and balanced fork lift with extended forks or a boom crane and girdle straps. The maximum tank weight for transportation and lifting purposes is 1,000 pounds unless otherwise indicated on the installation drawings or submittal data.
4. Lower the tank into the excavation using a two part lifting sling with padded straps to insure a true vertical lift. DO NOT LIFT FROM TOP AND DO NOT USE CHAINS FOR LIFTING AS THEY MAY DAMAGE TANK. All off-loading and lifting equipment and labor is the responsibility of the installing contractor.
5. Lower the tank into the excavation slowly and center it on the concrete pad. Insure the concrete pad is level and thoroughly broomed and brushed free of debris that could puncture the tank prior to placing the unit on the pad.
6. Securely anchor the tank to the stainless steel anchor bolts previously installed into the concrete pad. Tank must be plumb and level prior to hook-up and backfill.
7. After the tank is securely in position, outside piping and conduits must be aligned and connected to insure a true fit without excessive lateral force applied to piping, conduits or fittings.
8. Pressure test all piping to be connected prior to backfill operations. HYDROSTATIC (WATER) TESTING SHALL BE THE ONLY APPROVED METHOD, DO NOT USE COMPRESSED AIR TO PERFORM ANY PRESSURE TESTS.
9. Once piping/conduits have all been installed and pressure tested, immediately fill tank with water to the point of overflow.
10. Backfill around the tank with 6" to 12" width of approved granular material free of trash, debris, roots, vegetation, or other deleterious material. Under no circumstances shall construction waste, large rocks, concrete waste, clay based soil or any other unsuitable backfill be used. A naturally rounded aggregate of 1/4" nominal size ranging from 1/8" to 3/4" diameter, or 1/8" to 1/2" diameter stone crushings, clean and free flowing, may be used. Insure that backfill fills all voids, especially under tank piping and fittings.
11. Spread backfill material in 6" to 8" lifts. Compact to at least 95% of maximum density as determined by ASTM 1557-70.
12. Use manual compaction equipment being careful not to damage the tank, piping or conduit due to excessive compaction. A single lift of backfill material around pump module with a final compaction to excessive loads shall not be allowed.
13. A second pressure test of piping should be made after backfilling to insure that piping has not been damaged during backfill operations.
14. CAUTION: Never allow installed tank to sit empty, as a down-pour, flood or other ground water condition may cause tank to rise out of the ground! Never drain tank if a known ground water condition exists and be sure to refill tank immediately when drained for maintenance purposes.
15. It is the responsibility of the installing contractor to insure the all electrical equipment is installed and wired by a QUALIFIED, LICENSED ELECTRICIAN, experienced in fountain/pool wiring. All electrical equipment must be installed in accordance with the NATIONAL ELECTRICAL CODE.



STORAGE TANK PLAN VIEW

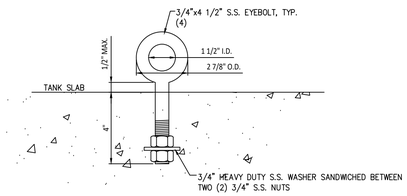
SCALE: 1/2"=1'-0"



RIGHT SIDE ELEVATION VIEW

DUE TO INTERNAL STRUCTURE AND FABRICATION OF THE TANK, THE WATER LEVELS INDICATED ARE FOR REFERENCE ONLY. FINAL WATER LEVELS WILL BE REVIEWED AND SET AS NEEDED.

NOTE: TIE-DOWN KIT IS 'BY INSTALLER' PHOTO IS FOR ITEM REFERENCE ONLY



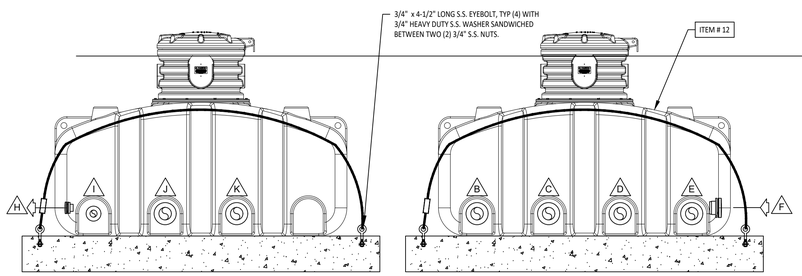
EYEBOLT ANCHOR DETAIL

SCALE: None

ACT-RESERVOIR TANK REQUIRED 'HOLD-DOWN' HARDWARE, BY INSTALLER:

(4) 3/4"-10 316 S.S. EXTENDED LENGTH EYEBOLT W/4-1/2" SHANK
(8) 3/4"-10 NUT OF 18-8 S.S.
(8) 3/4" 300 SERIES S.S. FLAT WASHER (2" O.D. x .177" THICKNESS)
50' 5/16" 304 S.S. 7x19 STRAND WIRE ROPE
(8) 3/8" 316 S.S. U-BOLT WIRE CLIP
(2) 3/4" 316 S.S. 'JAW & EYE' TURNBUCKLE
30' OF BRAIDED 'GARDEN WATER HOSE OR EQUAL. (TO CREATE A PROTECTIVE SLEEVE FOR VAULT AT CABLE CONTACT POINTS).

CAUTION! DO NOT OVER-TIGHTEN THE S.S. 'TIE-DOWN' CABLES. SNUG TURNBUCKLES TO ALLOW A 3/4" CABLE DEFLECTION AT CENTER OF SPAN BETWEEN THE EMBEDDED EYE-BOLT AND THE POINT OF CONTACT ON THE VAULT REINFORCING RIDGE.

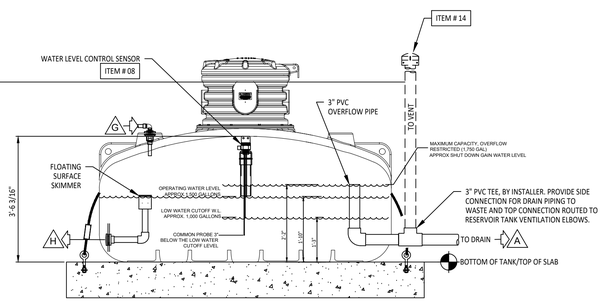


TANK ELEVATION - 'A-A'

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

TANK ELEVATION - 'B-B'

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



TANK SECTION - 'C-C'

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

Land Stewards Design Group
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INDIANAPOLIS, IN 46224
LANDSTEWARDSDG.COM

CLIENT / OWNER
CITY OF TERRE HAUTE

PROJECT NAME
HERZ ROSE PARK

PROJECT LOCATION
1515 Locust St.
Terre Haute, IN
47807

CONSULTANT 1
The Fountain People
4600 HWY 123
San Marcos, TX, 78667
p 512.392.1155

fountain people
A PLASCORE Company

100% CONSTRUCTION DOCUMENTS

NO.	REVISION	DATE

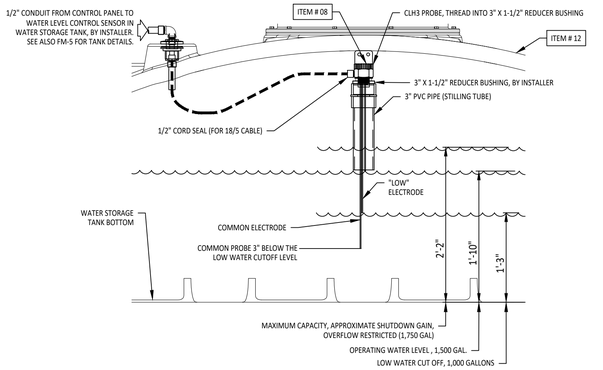
KEYMAP:

ISSUE DATE
12.07.2023

PROJECT NUMBER
23-005

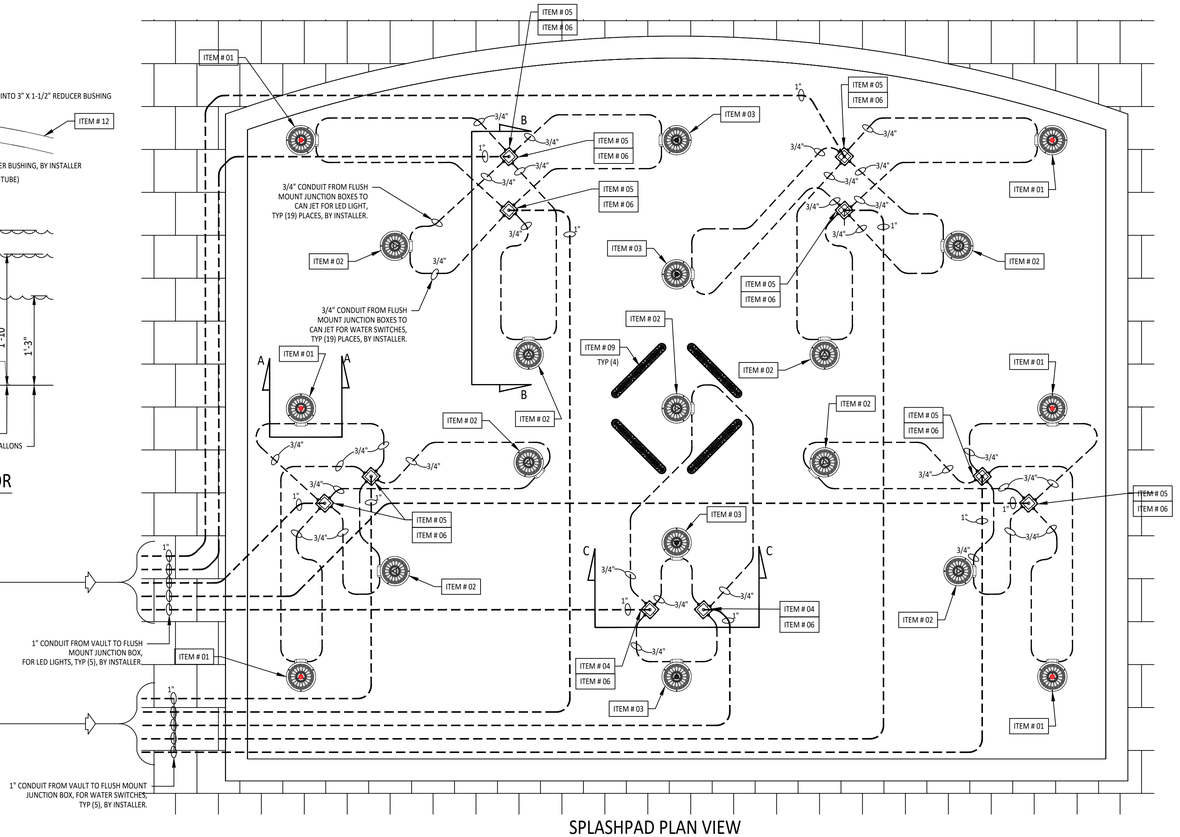
SHEET NAME
UNDERGROUND WATER STORAGE TANK

SHEET NUMBER
FM.09



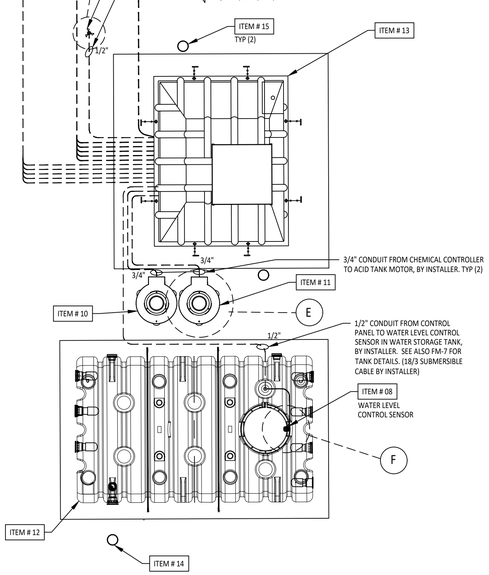
SECTION 'F' WATER LEVEL CONTROL SENSOR

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



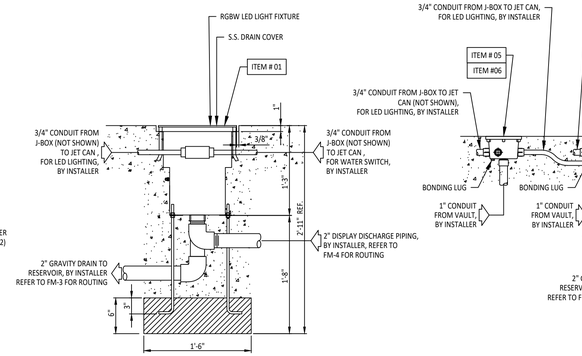
SPLASHPAD PLAN VIEW

SCALE: 3/8" = 1'-0"



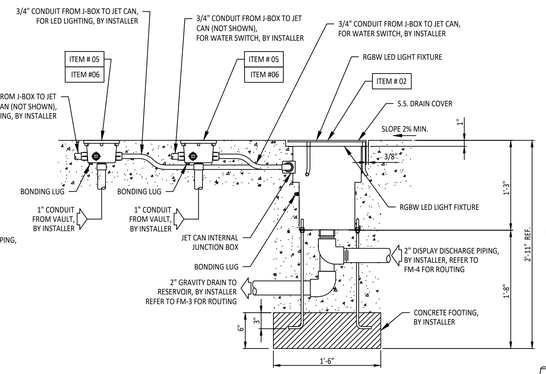
EQUIPMENT PLAN VIEW

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



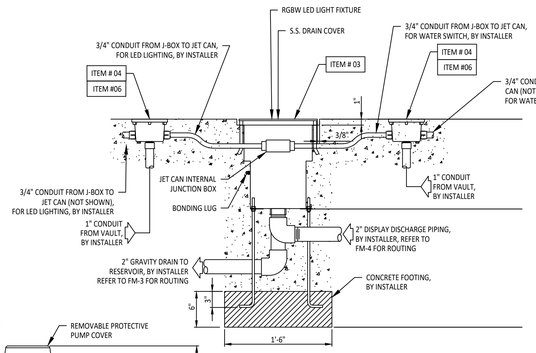
SECTION 'A'

SCALE: 1" = 1'-0"



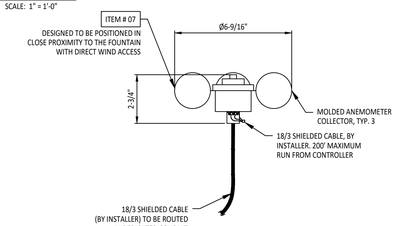
SECTION 'B'

SCALE: 1" = 1'-0"



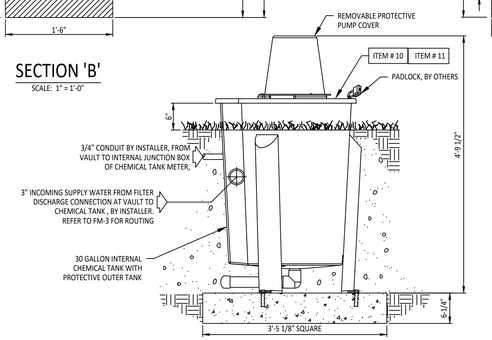
SECTION 'C'

SCALE: 1" = 1'-0"



DETAIL 'D'

SCALE: 3" = 1'-0"



DETAIL 'E'

Herz Rose Park
Equipment List
Fountain People 10/16/23

Item #	Qty	Component Number	Description
^01	6	FIAC-2000-APJ	Fountain-in-a-Can
^02	9	FIAC-2000-JC	Fountain-in-a-Can
^03	4	FIAC-2000-SJ	Fountain-in-a-Can
^04	1	JB8-3-100	Junction Box, flush mount
^05	4	JB8-4-100	Junction Box, flush mount
06	10	PC-8882-D	Potting compound, 21 oz.
07	1	AN-1D	Wind Speed Sensor
08	1	WLS-CLH3	Water level control sensor
09	4	PCS-32-W	32" Channel Sump
10	1	PWA-30	Double wall 30-gallon acid storage tank (Acid Tank)
11	1	PWC-30	Double wall 30-gallon acid storage tank (Chlorine Tank)
12	1	LPST-2000-P24341	Underground Water Storage Tank
13	1	FPV-G-P24341	Direct Burial Vault
14	1	VCA-300-P	Vent Cap Assembly, 3"
15	2	VCA-600	Vent Cap Assembly, 6"

^ ITEM REQUIRED FOR FOUNTAIN CONCRETE POUR.

NOTE: ALL PIPING AND CONDUITS SHOWN ARE DIAGRAMMATIC IN NATURE AND ARE NOT INTENDED TO REPRESENT THE ACTUAL PIPE ROUTING FOR THIS PROJECT.

NOTE:
ARCHITECTURAL DETAILING SHOWN FOR REFERENCE ONLY.

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15		

KEYMAP:

ISSUE DATE
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PROJECT NUMBER
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SHEET NAME
FOUNTAIN ELECTRICAL PLAN

SHEET NUMBER
FE.00