

DATE: 03/27/2015

ADDENDUM/CLARIFICATION NO. 1
TO
CONSTRUCTION DOCUMENTS

FOR PROJECT NO: **E100010**

DESCRIPTION: **Trailhead Parking and Shelter**

LOCATION: **Redbird State Recreation Area**

FOR AGENCY: **Department of Natural Resources**

The information contained in this Addendum shall become a part of the basic plans and specifications the same as if originally incorporated therein. The original plans and specifications shall remain in their entirety, except as modified by this Addendum. The items herein shall supersede information in the specifications and on the plans.

- ITEM #1: Plan Sheets C - 2, C - 3, C - 4, and C - 7 should be replaced by the new sheets Rev. #1 March 27, 2015, attached to this Addendum/Clarification.**
- ITEM #2: The proposed list of bidders and pre-bid names are attached. This list is not inclusive of all contractors that may have plans and specifications from the Public Works website.**
- ITEM #3: The existing mine spoil in the proposed parking area, may be used for fill beneath the slabs if compacted correctly. The existing mine spoil may also be used for topsoil after soil testing and amendments have been applied.**
- ITEM #4: A stockpile area has been designated behind the existing vault toilet, for unused soil waste. When finished, this stockpile shall be seeded and mulched with the same mix as called for in the seeding specifications.**
- ITEM #5: No trees need to be cut, but some refuse may need to be hauled across the road and stockpiled behind the exiting vault toilet.**
- ITEM #6: All main contractors shall be pre-qualified in the classifications set out in the notice to bidders.**

- ITEM #7: Stone encountered larger than 1 cubic yard or heavier than two (2) tons may be pushed along the road to the existing rock garden and not hauled off the property. Supplemental Unit Prices are required for this size rock removal.
- ITEM #8: This project has NO alternates, does have a \$10,000.00 construction allowance, and has supplemental unit prices for large stone, and amendments. Please check the specifications.
- ITEM #9: The existing vault toilet is a two piece solid concrete structure to be moved to a new location across the road. The manufacturer is CXT.
- ITEM #10: The contractor, as part of the requirements of the project, must obtain the services of a structural engineer, registered in Indiana, to design and stamp the final shelter structure and slab drawings. There are no soil borings available. This is strip mine, unconsolidated soil. The design should be for 1000psf unless the structural engineer approves otherwise. The for-mentioned structural engineer must submit to the Department of Homeland Security for a Construction Design Release. All application fees have been pre-paid by the owner.
- ITEM #11: Eight (8) prefab metal picnic tables are to be included and mounted within the picnic shelter on the concrete slab. Tables shall be Willygoat ADA Extra Heavy Duty diamond Picnic Tables 8 feet in length, model 238H-V8, or approved equal. Color to be selected by owner.
- ITEM #12: Change to SECTION 013125 PREFABRICATED METAL SHELTER 1.2 SYSTEM PERFORMANCE: Snow Load 30 PSF not 20 PSF.
- ITEM #13: Change to section 013125 PREFABRICATED METAL SHELTER 2.3 METAL ROOF PANELS shall read: " A. Pre-cut, 24-gauge steel panel roof system shall conform to ASTM-A-446 and to be hot-dipped galvanized with a substrate coating of G-90 per ASTM-A-525, UL90 rated *or Galvalume with G-90 coating. Columns and roof are to be epoxy primed 2.0 mils. Minimum, then finished with enamel with polyurethane enhancer 1.5-2.0 mils. Minimum.*
- ITEM #14: Change to SECTION 013125 PREFABRICATED METAL SHELTER 2.6 FINISH: 1. No sandblasting is required by contractor. All sandblasting and finishing of steel frame and roof panels should be done by manufacturer before delivery to the site.

LIST OF POSSIBLE BIDDERS:

**HARMON CONSTRUCTION INC
621 S STATE ST
PO BOX 386
NORTH VERNON IN 47265
Phone 812-346-2048 Fax 812-346-2054**

**DEIG BROTHERS LUMBER & CONSTRUCTION CO
2804 A ST
PO BOX 6429
EVANSVILLE IN 47719-0429
Phone 812-423-4201 Fax 812-421-5058**

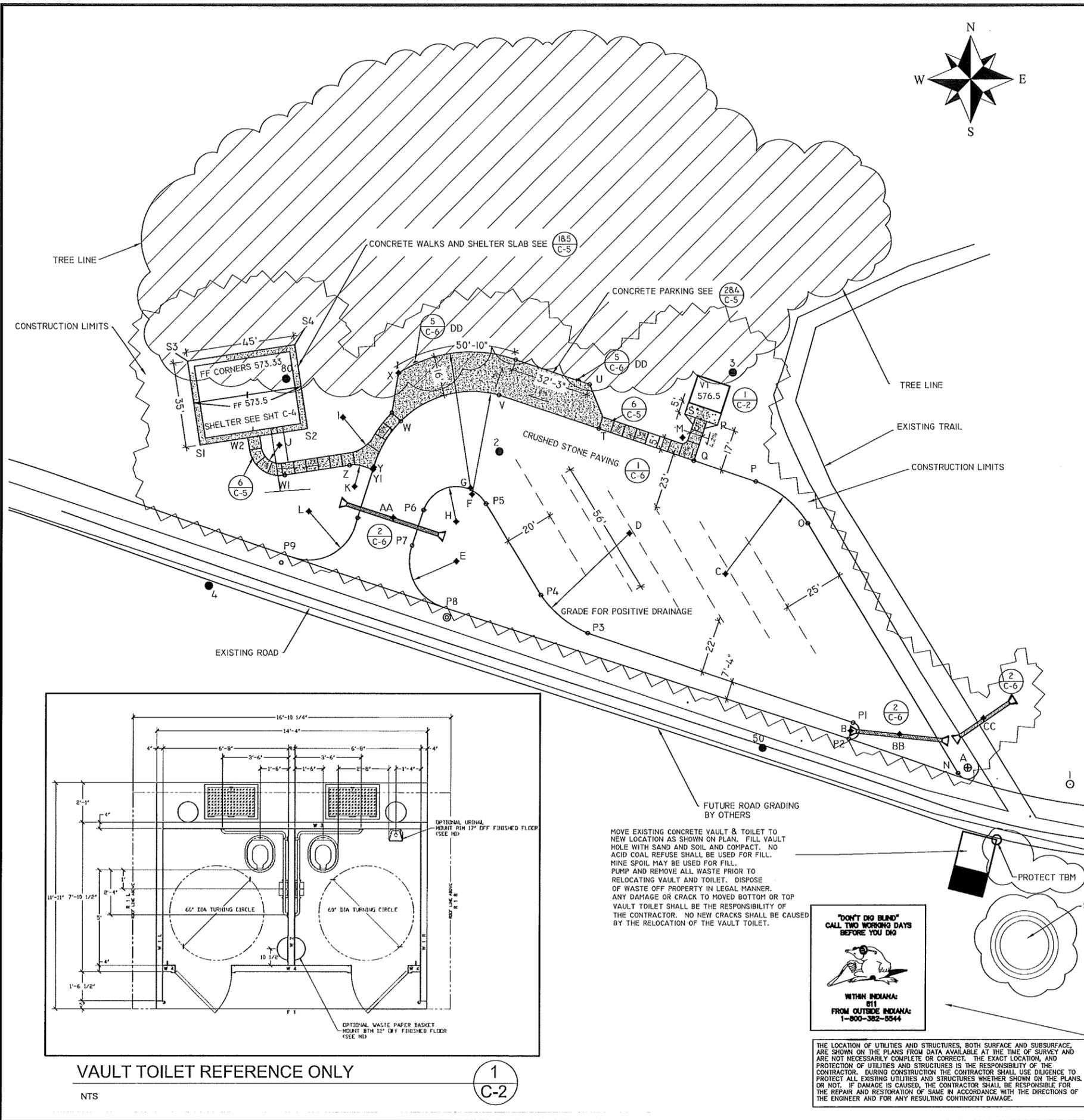
**EMPIRE CONTRACTORS INC
2200 LEXINGTON AVE
PO BOX 6327
EVANSVILLE IN 47719
Phone 812-424-3865 Fax 812-424-1479**

**GRAVES PLUMBING COMPANY INC
6399 W ST RD 54
PO BOX 238
SWITZ CITY IN 47465
Phone 812-659-3138 Fax 812-659-1463**

**KEY CONSTRUCTION COMPANY INC
2316 GLENVIEW DR
PO 6313
EVANSVILLE IN 47719
Phone 812-423-0498 Fax 812-422-3775**

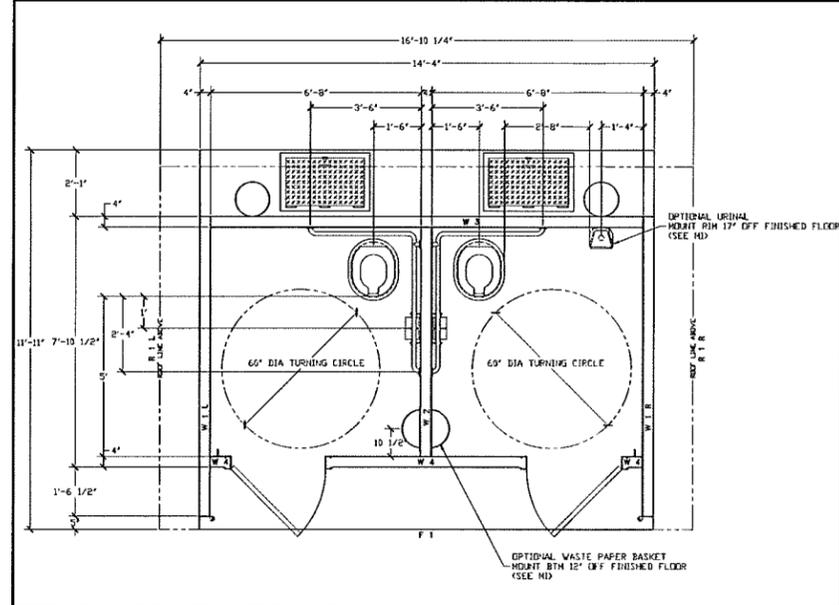
**PEYRONNIN CONSTRUCTION CO INC
1901 N KENTUCKY AVE
PO BOX 3317
EVANSVILLE IN 47732-3317
Phone 812-428-3579 Fax 812-428-3579**

END OF ADDENDUM



SURVEY POINT, FACILITY, AND BUILDING LOCATIONS

POINT	DESCRIPTION	NORTHING	EASTING	EX EL OR RAD
I	#5 REBAR	0.00	0.00	574.48
2	#5 REBAR	136.97	-237.23	574.37
3	#5 REBAR	169.61	-140.24	575.41
4	#3 REBAR	81.66	-357.67	575.64
50	TP #3 REBAR	15.02	-127.59	574.91
80	TP #3 REBAR	166.92	-325.61	571.43
A	RADIUS	6.81	-42.65	R = 4'-7"
B	RADIUS	22.08	-91.14	R = 3'-5"
C	RADIUS	86.71	-143.30	R = 40'
D	RADIUS	103.32	-181.31	R = 44'-6"
E	RADIUS	91.79	-255.05	R = 20'
F	RADIUS	119.37	-248.55	R = 40'-4"
G	RADIUS	121.97	-249.22	R = 56'
H	RADIUS	108.17	-255.17	R = 14'-4"
I	RADIUS	151.02	-302.13	R = 15'
J	RADIUS	159.53	-328.40	R = 7'-6"
K	RADIUS	122.52	-297.34	R = 9'
L	RADIUS	116.88	-321.42	R = 26'-4"
M	RADIUS	142.76	-161.25	R = 2'-6"
N	END CRV	4.6	-46.70	R = 4'-6"
O	BEG CRV	107.46	-109.11	
P	END CRV	124.65	-130.65	
Q	BEG WALK	133.27	-156.50	575.81
R	SE COR VT SL	147.88	-146.72	576.4
S	SW COR VT SL	152.42	-160.31	576.4
T	SW COR WALK	146.43	-195.97	574.68
U	COR PKG	164.58	-199.82	574.16
V	BEG CRV	160.26	-237.43	
W	SRT WALK	149.50	-278.53	573.01
X	NW COR PKG	169.31	-279.26	572.81
Y	END CRV	130.47	-289.45	573.88
YI	SW COR WALK	129.57	-289.73	
Z	END CRV WALK	131.29	-299.44	
WI	BEG CRV WALK	127.20	-326.18	
W2	INT WALK SHEL	142.56	-351.52	
S1	SW COR SLAB	139.54	-361.29	573.33
S2	SE COR SLAB	146.34	-316.80	573.33
S3	NW COR SLAB	174.14	-366.58	573.33
S4	NE COR SLAB	180.94	-322.09	573.33
P1	BEG CRV	25.42	-90.20	
P2	END CRV	18.70	-91.90	
P3	BEG CRV	62.19	-200.48	
P4	END CRV	77.85	-219.88	
P5	BEG CRV	115.44	-242.76	
P6	END CRV	112.86	-268.77	
P7	BEG CRV	98.27	-273.60	
P8	END CRV	73.10	-261.20	
P9	END CRV	93.51	323.33	
AA	NORTH EDGE PIPE	109.73	-281.37	
BB	NORTH EDGE PIPE	20.73	-71.01	
CC	NORTH EDGE PIPE	27.27	-36.10	
DD	ACCESSIBLE SIGN	AS SHOWN	AS SHOWN	DETAIL 5 C-6



MOVE EXISTING CONCRETE VAULT & TOILET TO NEW LOCATION AS SHOWN ON PLAN. FILL VAULT HOLE WITH SAND AND SOIL AND COMPACT. NO ACID COAL REFUSE SHALL BE USED FOR FILL. MINE SPOIL MAY BE USED FOR FILL. PUMP AND REMOVE ALL WASTE PRIOR TO RELOCATING VAULT AND TOILET. DISPOSE OF WASTE OFF PROPERTY IN LEGAL MANNER. ANY DAMAGE OR CRACK TO MOVED BOTTOM OR TOP VAULT TOILET SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. NO NEW CRACKS SHALL BE CAUSED BY THE RELOCATION OF THE VAULT TOILET.



THE LOCATION OF UTILITIES AND STRUCTURES, BOTH SURFACE AND SUBSURFACE, ARE SHOWN ON THE PLANS FROM DATA AVAILABLE AT THE TIME OF SURVEY AND ARE NOT NECESSARILY COMPLETE OR CORRECT. THE EXACT LOCATION, AND PROTECTION OF UTILITIES AND STRUCTURES IS THE RESPONSIBILITY OF THE CONTRACTOR. DURING CONSTRUCTION THE CONTRACTOR SHALL USE DILIGENCE TO PROTECT ALL EXISTING UTILITIES AND STRUCTURES WHETHER SHOWN ON THE PLANS OR NOT. IF DAMAGE IS CAUSED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RESTORATION OF SAME IN ACCORDANCE WITH THE DIRECTIONS OF THE ENGINEER AND FOR ANY RESULTING CONTINGENT DAMAGE.

NOTES:
THIS PROJECT PLAN IS ON A MINE SPOIL AREA WITH APPROXIMATELY 2 FEET OF COVER (MINE SPOIL) OVER ACID GOB. STOP WORK AND NOTIFY OWNER IF ACID GOB IS ENCOUNTERED.
TREE LINE IS APPROXIMATE - CONTRACTOR SHALL REMOVE ALL VEGETATION ENCOUNTERED - AS PER SPECIFICATIONS -

AA - 40' OF ADS DRAINAGE PIPE, SEE SPECIFICATIONS
BB - 36' OF ADS DRAINAGE PIPE, SEE SPECIFICATIONS
CC - 25' OF ADS DRAINAGE PIPE, SEE SPECIFICATIONS

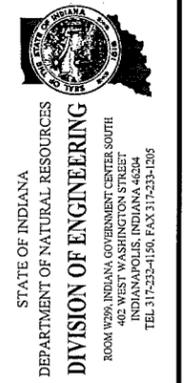
TREES HAVE BEEN CUT, REMOVE DEBRIS TO THIS LOCATION - ACROSS ROAD

VAULT TOILET REFERENCE ONLY

1
C-2

NTS

REDBIRD STATE RECREATION AREA
PKG AND SHELTER - DEVELOPMENT
DEPARTMENT OF NATURAL RESOURCES
15298 WEST COUNTY ROAD 350 NORTH
DUGGER, INDIANA 47438



Revisions:
REV #1 MARCH 27, 2015

Project Number: E100010

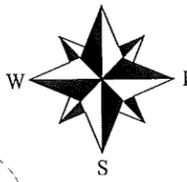
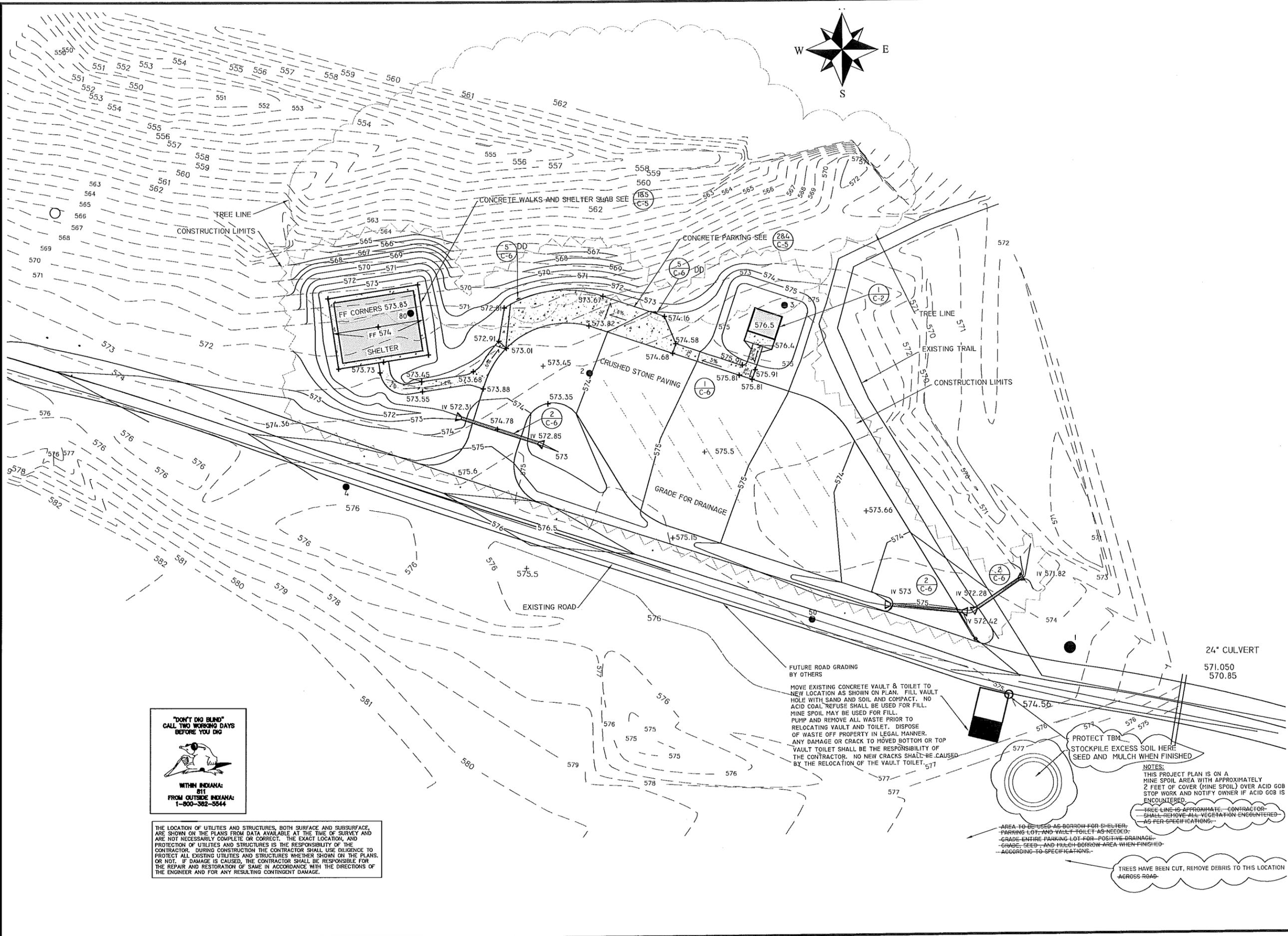
Requisition Number: Requisition#

Designer: DS Drawing Date: 8-14-14

Drafter: DS Drawing Scale: 1" = 20'

File Number: File#

Drawing Number: C-2
Sheet: 3 of 8



THE LOCATION OF UTILITIES AND STRUCTURES, BOTH SURFACE AND SUBSURFACE, ARE SHOWN ON THE PLANS FROM DATA AVAILABLE AT THE TIME OF SURVEY AND ARE NOT NECESSARILY COMPLETE OR CORRECT. THE EXACT LOCATION, AND PROTECTION OF UTILITIES AND STRUCTURES IS THE RESPONSIBILITY OF THE CONTRACTOR. DURING CONSTRUCTION THE CONTRACTOR SHALL USE DILIGENCE TO PROTECT ALL EXISTING UTILITIES AND STRUCTURES WHETHER SHOWN ON THE PLANS, OR NOT. IF DAMAGE IS CAUSED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RESTORATION OF SAME IN ACCORDANCE WITH THE DIRECTIONS OF THE ENGINEER AND FOR ANY RESULTING CONTINGENT DAMAGE.

FUTURE ROAD GRADING BY OTHERS
 MOVE EXISTING CONCRETE VAULT & TOILET TO NEW LOCATION AS SHOWN ON PLAN. FILL VAULT HOLE WITH SAND AND SOIL AND COMPACT. NO ACID COAL REFUSE SHALL BE USED FOR FILL. MINE SPOIL MAY BE USED FOR FILL. PUMP AND REMOVE ALL WASTE PRIOR TO RELOCATING VAULT AND TOILET. DISPOSE OF WASTE OFF PROPERTY IN LEGAL MANNER. ANY DAMAGE OR CRACK TO MOVED BOTTOM OR TOP VAULT TOILET SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. NO NEW CRACKS SHALL BE CAUSED BY THE RELOCATION OF THE VAULT TOILET.

NOTES:
 THIS PROJECT PLAN IS ON A MINE SPOIL AREA WITH APPROXIMATELY 2 FEET OF COVER (MINE SPOIL) OVER ACID GOB. STOP WORK AND NOTIFY OWNER IF ACID GOB IS ENCOUNTERED.
 TREE LINE IS APPROXIMATE. CONTRACTOR SHALL REMOVE ALL VEGETATION ENCOUNTERED AS PER SPECIFICATIONS.
 AREA TO BE USED AS BORROW FOR SHELTER, PARKING LOT, AND VAULT TOILET AS NEEDED.
 GRADE ENTIRE PARKING LOT FOR POSITIVE DRAINAGE.
 GRADE, SEED, AND MULCH BORROW AREA WHEN FINISHED ACCORDING TO SPECIFICATIONS.
 TREES HAVE BEEN CUT, REMOVE DEBRIS TO THIS LOCATION ACROSS ROAD.

REDBIRD STATE RECREATION AREA
 PKG AND SHELTER - GRADING
 DEPARTMENT OF NATURAL RESOURCES
 15298 WEST COUNTY ROAD 350 NORTH
 DIGGER, INDIANA 47438



Revision:	REVISION #1 MARCH 27, 2015
Project Number:	E100010
Registration Number:	Requisition#
Designer:	DS
Drawing Date:	8-14-14
Drafter:	DS
Drawing Scale:	1" = 20'
DNR Approval:	
Client Approval:	
File Number:	File#
Drawing Number:	C-3
Sheet:	4 of 8

Map 11-2010-1827-01-02-01-03-04-05-06-07-08-09-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000

Copyright 2011 these drawings are the intellectual property of C.F.P. CO. and shall not be copied or disclosed to any unauthorized parties in part or its entirety without our written permission, and they shall not be used for construction unless approved by a C.F.P. Representative.

**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.

**Returns: After receipt of materials, the general contractor is responsible for the condition. No merchandise can be returned without written authorization. Merchandise with return authorization must be in suitable condition. A 35% restocking fee will be charged. Merchandise to be returned must be shipped insured and freight prepaid.

**Cedar Forest Products will not be liable for any unauthorized field work purchases to repair/replace/finish materials. Any purchases must have prior written approval from Cedar Forest Products.

THE FOLLOWING WILL BE THE RESPONSIBILITY OF OTHERS:

1. ALL CONSTRUCTION SHOULD MEET STATE & LOCAL BLDG. CODE REQS.
2. ASSUMED SOIL BEARING CAPACITY = 4000 P.S.F. ALL FOOTINGS TO BEAR ON UNDISTURBED SOIL.
3. CONSULT WITH A LOCAL REGISTERED STRUCTURAL ENGINEER IF SOIL BEARING CONDITIONS ARE OTHER THAN ABOVE.
4. DESIGN, EXCAVATION AND CONSTRUCTION OF THE STRUCTURE(S) FOUNDATION MUST BE VERIFIED BY A REGISTERED STRUCTURAL ENGINEER.
5. DETERMINE ALL DESIGN LOADS PER LOCAL CODES.

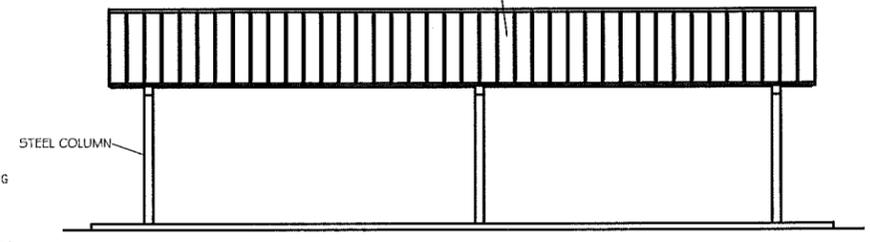
6. CONCRETE TO BE 4000 P.S.F. COMPRESSIVE STRENGTH IN 28 DAYS.
7. REINFORCING STEEL TO BE A.S.T.M. A-305 DERIVED.
8. ALL CONSTRUCTION SURVEYING AND FIELD VERIFICATION OF ALL DIMENSIONS.
9. PROVIDE AND INSTALL ALL CONCRETE, REINFORCING STEEL, & ANCHOR BOLTS.
10. UNLOAD ALL TRUCKS DELIVERING C.F.P. MATERIALS.
11. ERECTION OF THE STRUCTURE(S).

DESIGN DATA
SNOW LOAD= 30 PSF
DEAD LOAD= 15 PSF
WIND LOAD= 25 PSF
NOTE: CUSTOMER TO VERIFY ALL STATE AND LOCAL CODES

NOT FOR CONSTRUCTION

FINAL FOOTING AND SHELTER DESIGN BY STRUCTURAL ENGINEER REGISTERED IN INDIANA

24 Ga. METAL ROOFING WITH 1/4" RIBS AT 12" O.C. WITH STEEL TRIM. FASTEN TO STEEL PURLINS & RAFTERS WITH SUPPLIED TEK SCREWS.



FRONT ELEVATION NO SCALE

CONTRACTOR TO ADHERE TO ALL LATEST INDIANA BUILDING CODES. SEE BELOW AND SPECIFICATIONS:

DESIGN FOR 500PSF SOIL CONDITIONS

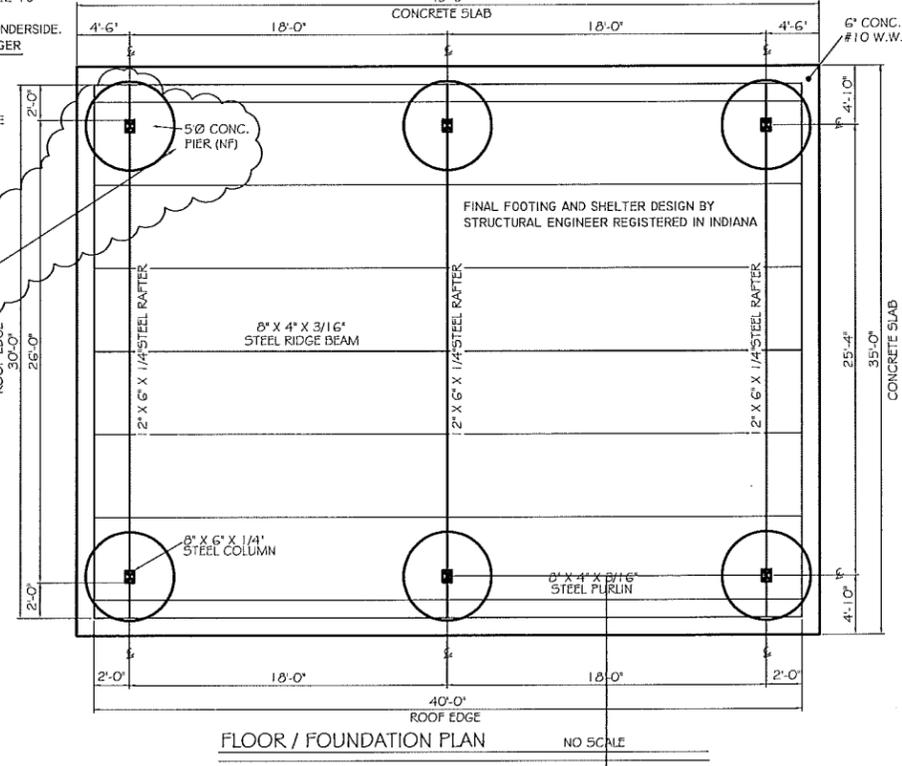
CONTRACTOR TO ADHERE TO THE FOLLOWING AS A MINIMUM:

COLUMNS ARE TO BE STEEL, SURFACE MOUNTED AND EQUALLY SPACED. COLUMNS SHALL BE SURFACE MOUNTED INTO CONCRETE FOOTING WITH HOT DIPPED GALVANIZED ANCHOR BOLTS. COLUMNS SHALL REST ON STEEL BASE PLATE AND HAVE STEEL BASE PLATE COVER. MINIMUM LIVE LOAD 30 PSF, MINIMUM WIND LOAD BASED ON 90 MPH WIND SPEED. DESIGNED FOR SEISMIC ZONE 2A. SNOW LOAD 30 PSF. ROOF IS TO BE 24 GA. STEEL PANELS ASTM-A-446 HOT DIPPED GALVANIZED 12 INCH CENTERS. COLUMNS AND ROOF ARE TO BE EPOXY PRIMED 2.0 MILS. MINIMUM, THEN FINISHED WITH ENAMEL WITH POLYURETHANE ENHANCER 1.5-2.0 MILS. MINIMUM. FOOTINGS ARE TO BE CONCRETE AND FLUSH WITH SLAB. SIZE TO BE DETERMINED BY REGISTERED STRUCTURAL ENGINEER. COLORS ARE: COLUMNS - TAN; ROOF - GREEN WITH WHITE UNDERSIDE. FINAL COLOR CHOICES WILL BE CHOSEN BY PROPERTY MANAGER

Note* SNOW, WIND, LIVE LOADS AND SEISMIC ZONE ARE LISTED ABOVE AS THE LATEST CODES AT THIS TIME. THE STRUCTURE FOR THIS PROJECT SHOULD BE DESIGNED TO THE LATEST INDIANA CODES AT THE TIME OF CONSTRUCTION.

SEE SHEET C - 5 FOR DETAILS

FOR ILLUSTRATION ONLY, FINAL FOOTING DESIGN BY REGISTERED STRUCTURAL ENGINEER FROM IN



FLOOR / FOUNDATION PLAN NO SCALE

CONTRACTOR TO PROVIDE FINAL DRAWINGS APPROVED AND SIGNED BY REGISTERED INDIANA STRUCTURAL ENGINEER. SHELTER SHALL BE EQUAL TO SUGGESTED FOREST SHELTER PRODUCT SHOWN HERE.

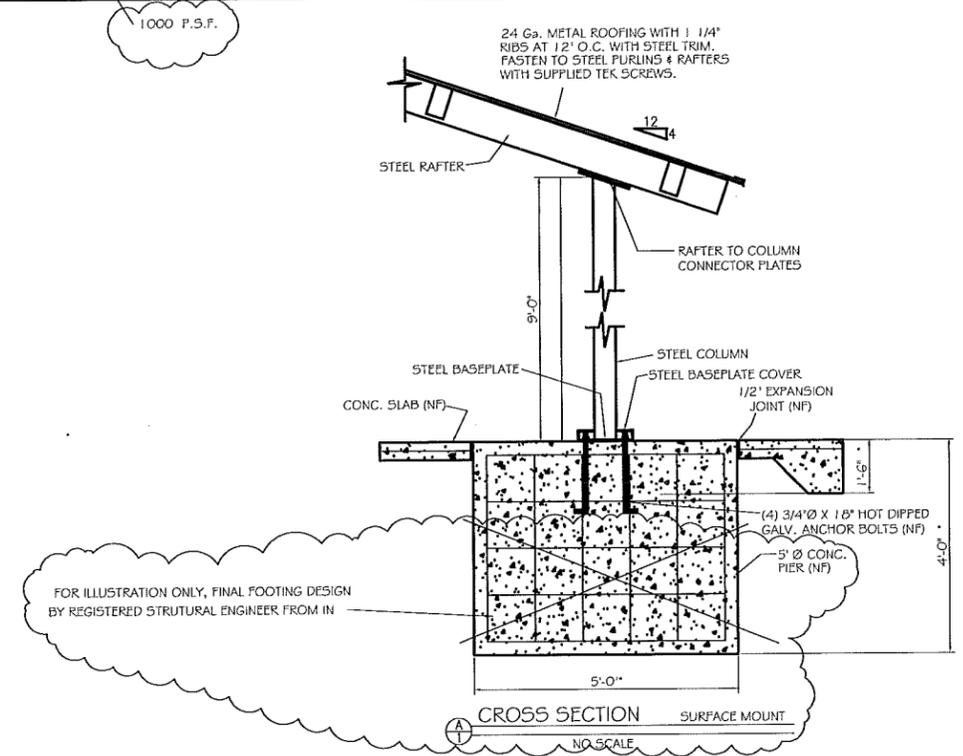


1008 S. DIVISION - BOX 98
POLO, ILLINOIS 61064
(815)-946-3994
(815)-946-2479 FAX
WWW.CEDARFORESTPRODUCTS.COM

REVIEWED BY:	NF-DENOTES NOT FURNISHED BY CEDAR FOREST PRODUCTS
DEALER NAME:	PARK SUPPLY DIRECT
CITY/STATE:	SUGAR GROVE, IL.
SALESPERSON:	JENNIFER MENCIAS

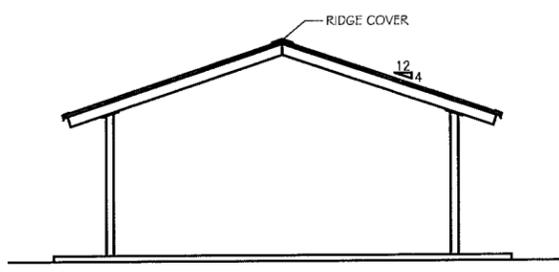
QTY- 1	ROGS3040
OWNER NAME:	REDBIRD STATE RECREATION AREA
CITY/STATE/ZIP:	GREENE COUNTY, IN.

REVISION DATES	DRAWN BY/DATE/JOB#
REV:	KLY 6/24/11
REV:	PK3092
REV:	1 OF 1



FOR ILLUSTRATION ONLY, FINAL FOOTING DESIGN BY REGISTERED STRUCTURAL ENGINEER FROM IN

* FINAL FOOTING AND SHELTER DESIGN BY STRUCTURAL ENGINEER REGISTERED IN INDIANA



RIGHT SIDE ELEVATION NO SCALE

FINAL FOOTING AND SHELTER DESIGN BY STRUCTURAL ENGINEER REGISTERED IN INDIANA

Certified by:

REDBIRD STATE RECREATION AREA
PKG AND SHELTER - SHELTER DETAILS
DEPARTMENT OF NATURAL RESOURCES
15298 WEST COUNTY ROAD 350 NORTH
DUGGER, INDIANA 47438



Revision:
REV #1 MARCH 27, 2015

Project Number: E100010
Requisition Number: Requisition#
Design: 8-12-14
Drawer: DS AS NOTED

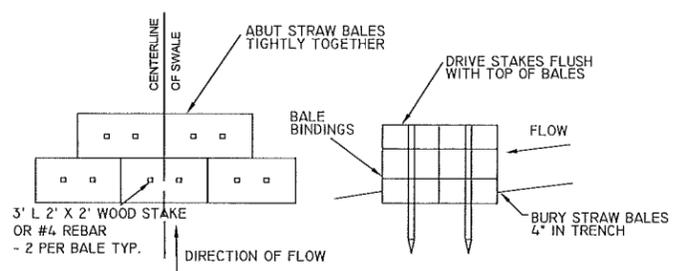
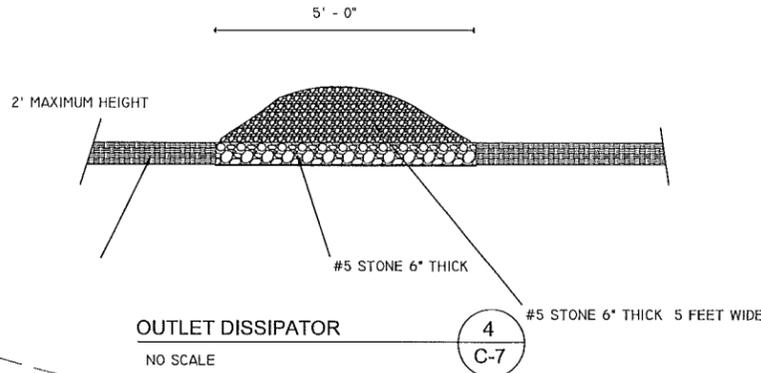
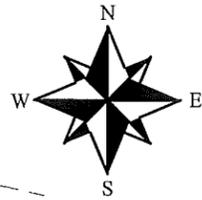
DNR Approval:

Client Approval:

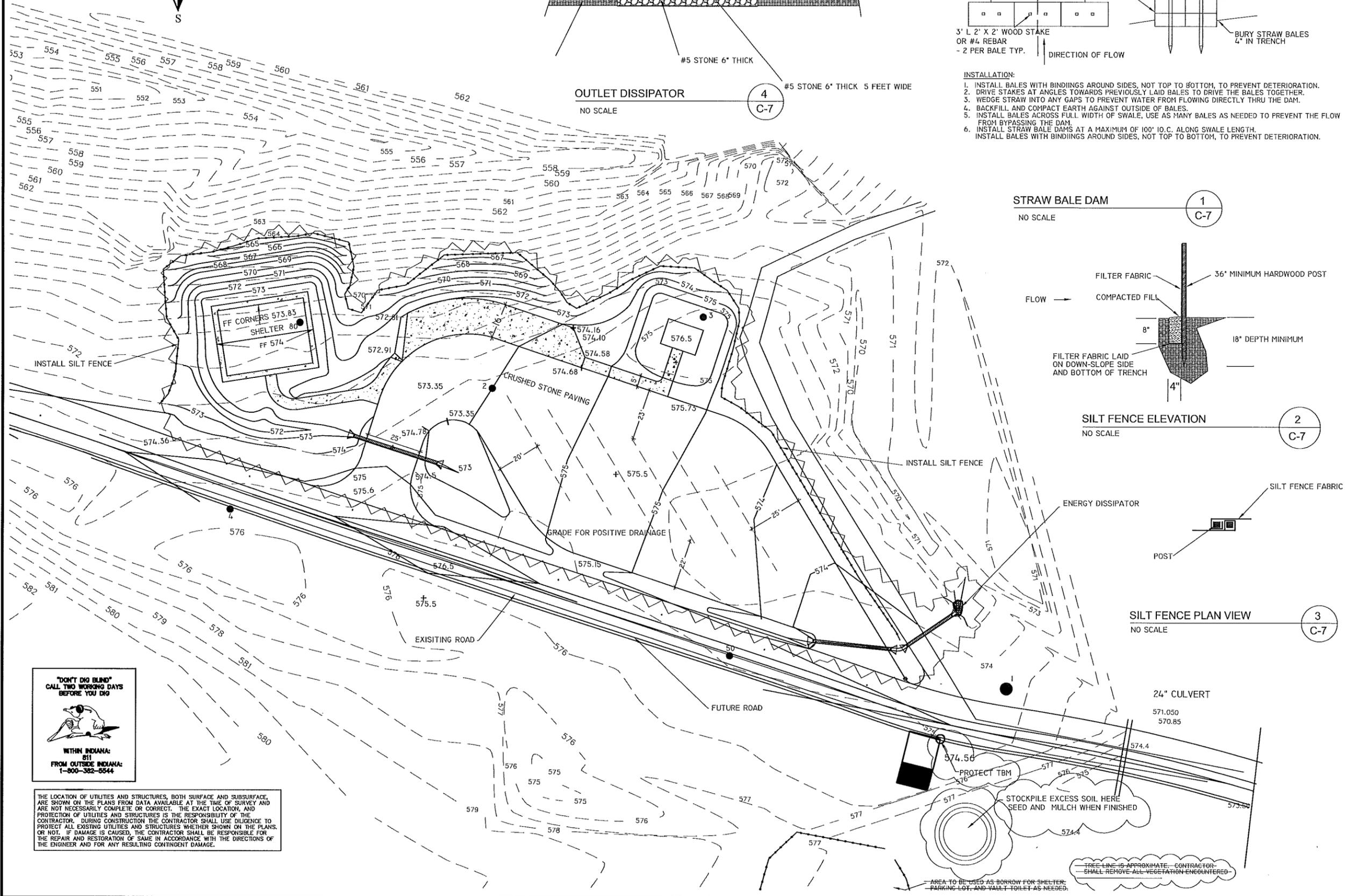
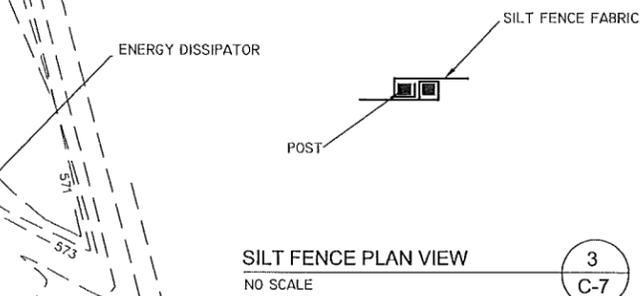
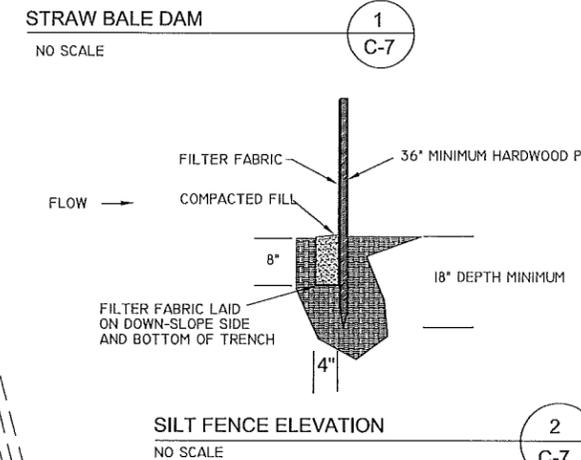
File Number: File#

Drawing Number: C-4

Sheet: 5 of 8



- INSTALLATION:
1. INSTALL BALES WITH BINDINGS AROUND SIDES, NOT TOP TO BOTTOM, TO PREVENT DETERIORATION.
 2. DRIVE STAKES AT ANGLES TOWARDS PREVIOUSLY LAID BALES TO DRIVE THE BALES TOGETHER.
 3. WEDGE STRAW INTO ANY GAPS TO PREVENT WATER FROM FLOWING DIRECTLY THRU THE DAM.
 4. BACKFILL AND COMPACT EARTH AGAINST OUTSIDE OF BALES.
 5. INSTALL BALES ACROSS FULL WIDTH OF SWALE, USE AS MANY BALES AS NEEDED TO PREVENT THE FLOW FROM BYPASSING THE DAM.
 6. INSTALL STRAW BALE DAMS AT A MAXIMUM OF 100' I.O.C. ALONG SWALE LENGTH. INSTALL BALES WITH BINDINGS AROUND SIDES, NOT TOP TO BOTTOM, TO PREVENT DETERIORATION.



"DON'T DIG BLIND"
CALL TWO WORKING DAYS
BEFORE YOU DIG

WITHIN INDIANA:
811
FROM OUTSIDE INDIANA:
1-800-382-5544

THE LOCATION OF UTILITIES AND STRUCTURES, BOTH SURFACE AND SUBSURFACE, ARE SHOWN ON THE PLANS FROM DATA AVAILABLE AT THE TIME OF SURVEY AND ARE NOT NECESSARILY COMPLETE OR CORRECT. THE EXACT LOCATION, AND PROTECTION OF UTILITIES AND STRUCTURES IS THE RESPONSIBILITY OF THE CONTRACTOR. DURING CONSTRUCTION THE CONTRACTOR SHALL USE DILIGENCE TO PROTECT ALL EXISTING UTILITIES AND STRUCTURES WHETHER SHOWN ON THE PLANS, OR NOT. IF DAMAGE IS CAUSED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RESTORATION OF SAME IN ACCORDANCE WITH THE DIRECTIONS OF THE ENGINEER AND FOR ANY RESULTING CONTINGENT DAMAGE.

REDDIB STATE RECREATION AREA
PKG AND SHELTER - EROSION CONTROL
DEPARTMENT OF NATURAL RESOURCES
15298 WEST COUNTY ROAD 350 NORTH
DUGGER, INDIANA 47438

STATE OF INDIANA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENGINEERING
ROOM 1029 INDIANA GOVERNMENT CENTER SOUTH
402 WEST WASHINGTON STREET
INDIANAPOLIS, INDIANA 46204
TEL: 317-232-1150, FAX: 317-233-1205

Revision:	REV #1 MARCH 27, 2015
Project Number:	E100010
Requisition Number:	Requisition#
Designer:	DS Drawing Date: 8-14-14
Drafter:	DS Drawing Scale: 1" = 30'
DNR Approval:	
Client Approval:	
File Number:	File#
Drawing Number:	C-7
Sheet:	8 of 8

DATE: 08/14/14 11:18 AM
 PROJECT: REDDIB STATE RECREATION AREA
 DRAWING: EROSION CONTROL
 SHEET: C-7