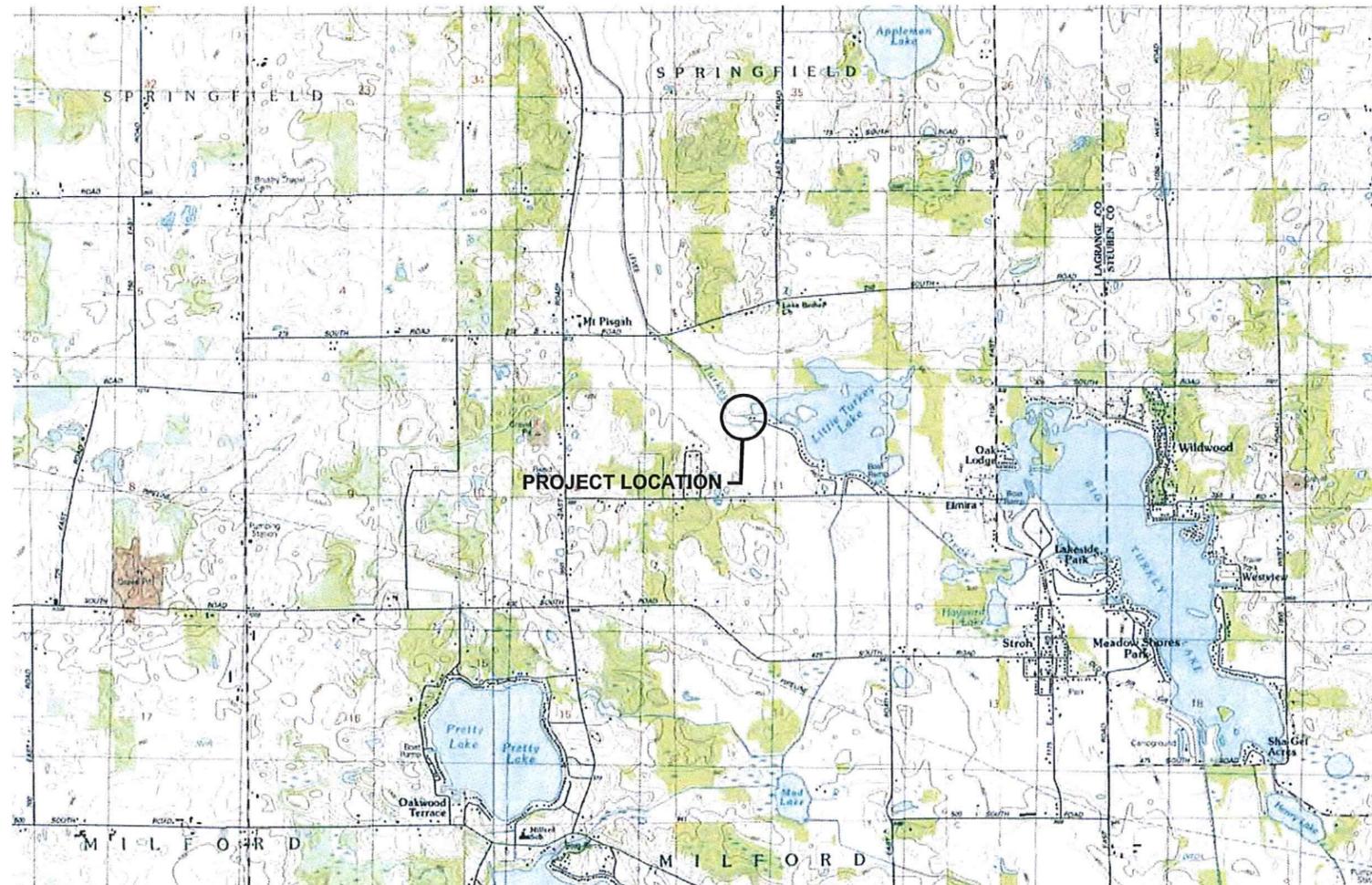
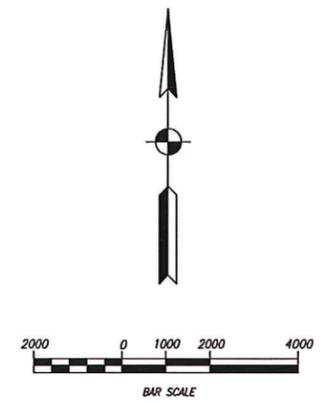


INDIANA DEPARTMENT OF ADMINISTRATION (IDOA)
 INDIANA DEPARTMENT OF NATURAL RESOURCES (IDNR)
 DIVISION OF WATER

PROJECT No. E06-0065
 LITTLE TURKEY LAKE - OUTLET STRUCTURE REPAIR
 MILFORD TWP, LaGRANGE COUNTY, INDIANA
 NW 1/4, SECTION 11, T-36N, R-11E



LOCATION MAP
 LaGRANGE COUNTY



DRAWING INDEX

SHEET	DESCRIPTION
1	TITLE SHEET
2	EXISTING SITE PICTURES
3	EXISTING SITE PLAN AND GENERAL NOTES
4	PROPOSED SITE PLAN
5	DETAILS

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 SIGNATURE DATE

Thomas J. Nicholas 08/05/15
 SIGNATURE DATE

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INDIANA DEPARTMENT OF NATURAL RESOURCES
 LITTLE TURKEY LAKE
 OUTLET STRUCTURE

TITLE SHEET

REVISIONS	HORIZONTAL SCALE NOTED
	VERTICAL SCALE -
DRAWN: RHK	SURVEY BOOK -
CHECKED: TJM/SKM	DATE AUGUST 2015

PROJECT NUMBER 201483.00
SHEETS 1 OF 5



Photo 1: Looking north along west side of A-Frame and east side of trees/ditch from lane. 10' wide access off Lane; 9' between 40" and 12" trees; 11' between tree and cut tree stumps at corner of house.

PICTURE P1
TREES TO BE REMOVED
FROM SOUTH SIDE LOOKING NORTH



PICTURE P2
FROM SOUTH SIDE LOOKING NORTH
TAKEN: DEC. 17, 2014

TREE REMOVAL TABLE		
TREE NO.	TREE TYPE	APPROX. DIAMETER
1	MAPLE	35"
2	EVERGREEN	6"
3	MAPLE	32"
4	MAPLE	35"
5	MAPLE	30"
6	MAPLE	30"
7	MAPLE	46"
8	MAPLE	32"
9	MAPLE	35"



PICTURE P3
FROM EAST SIDE LOOKING WEST
TAKEN: DEC. 17, 2014



PICTURE P4
AERIAL PHOTO WITH
TREE REMOVAL AREA

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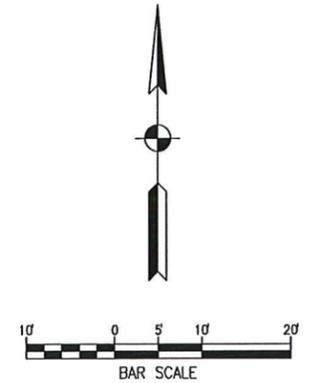
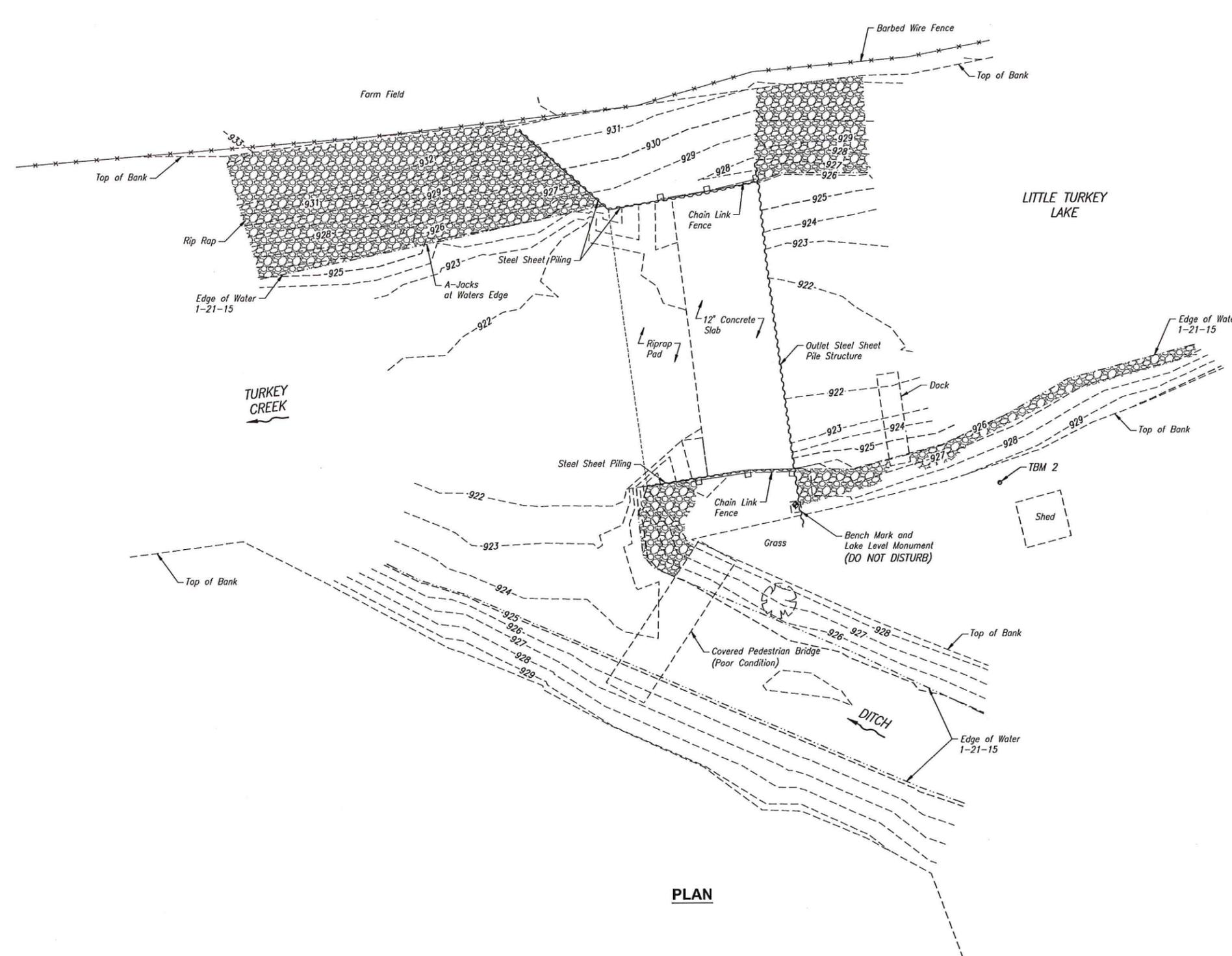
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INDIANA DEPARTMENT OF NATURAL RESOURCES
TURKEY LAKE
OUTLET STRUCTURE
EXISTING SITE
PICTURES

REVISIONS	HORIZONTAL SCALE NA	PROJECT NUMBER 201483.00
	VERTICAL SCALE -	
DRAWN: RHK	SURVEY BOOK -	SHEETS 2 OF 5
CHECKED: TJM	DATE AUGUST 2015	

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VERTICAL CONTROL INFORMATION:

IDNR BM TABLET STAMPED "LITTLE TURKEY LaGRANGE" IN TOP OF CONCRETE LAKE LEVEL MONUMENT.
 EL.=929.55 (NGVD 29).
 TBM-2 - NAIL THRU WASHER IN GROUND
 EL.=929.68

GENERAL NOTES:

1. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS OF EXISTING OUTFALL STRUCTURE NECESSARY FOR THE COMPLETION OF THE WORK.
2. NO DRAW DOWN OF LITTLE TURKEY LAKE WILL BE ALLOWED. THE CONTRACTOR SHALL MAINTAIN LAKE LEVELS AND DISCHARGES DURING CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT A DEWATERING/DIVERSION/WATER MANAGEMENT PLAN TO THE OWNER PRIOR TO STARTING CONSTRUCTION.
3. THE CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE TO EXISTING FACILITIES DURING CONSTRUCTION. ALL DISTURBED AREAS SHALL BE RESTORED TO THEIR ORIGINAL STATE.
4. THE CONTRACTOR SHALL SUBMIT A PLAN TO THE OWNER FOR CONTAINING THE CONCRETE FINES & SEDIMENT TO THE WORK AREA.
5. THE CONTRACTOR SHALL LOCATE AND PROTECT ALL UTILITIES PRIOR TO CONSTRUCTION.
6. ALL ELEVATIONS ARE FROM NGVD 1929 VERTICAL DATUM.

NOTES:

1. SEE SHEET 4 FOR PROPOSED SITE PLAN.

PLAN


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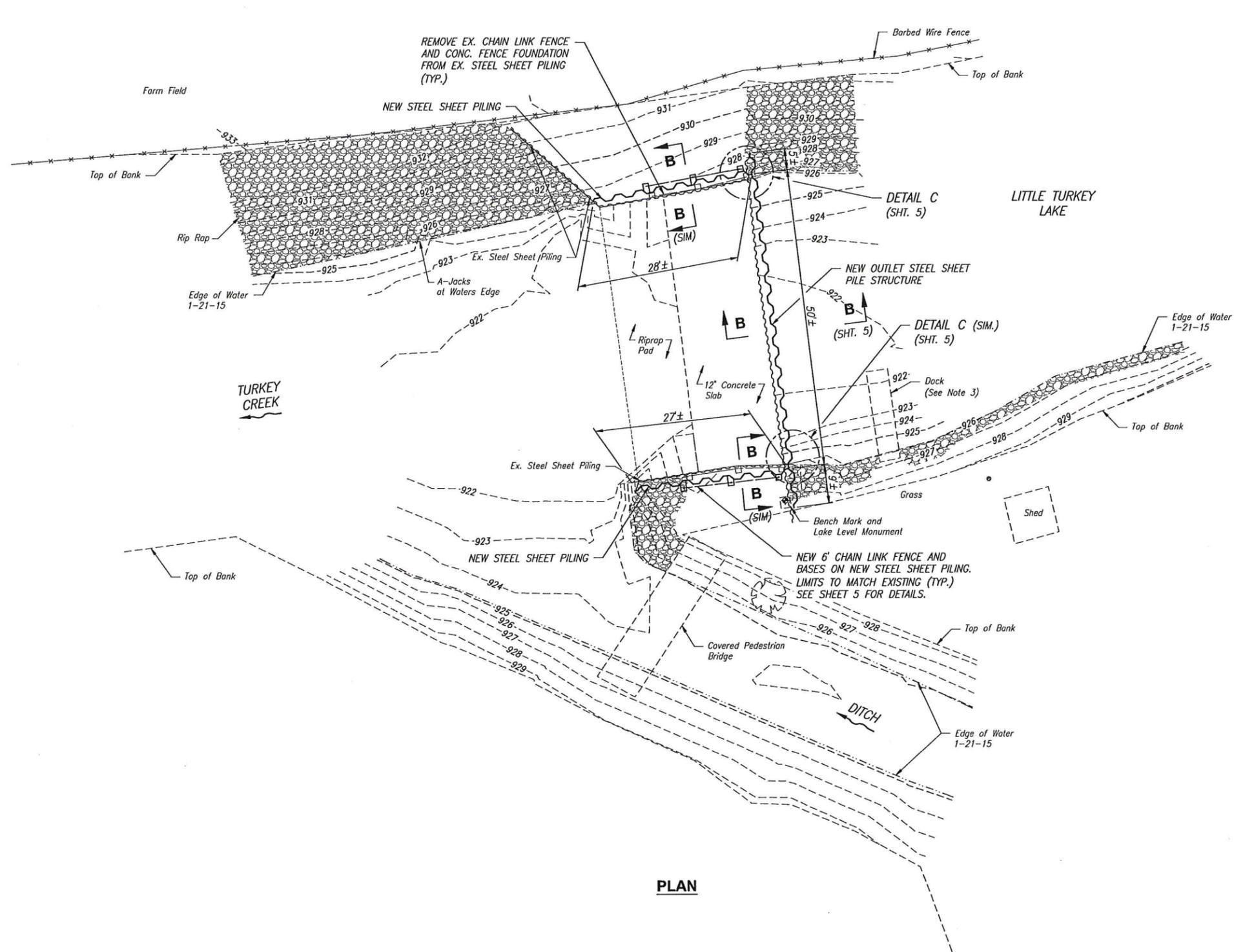

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INDIANA DEPARTMENT OF NATURAL RESOURCES
**LITTLE TURKEY LAKE
 OUTLET STRUCTURE**
 EXISTING SITE PLAN
 AND GENERAL NOTES

REVISIONS	HORIZONTAL SCALE NOTED VERTICAL SCALE -	PROJECT NUMBER 201483.00
DRAWN: BJS	SURVEY BOOK -	SHEETS 3 OF 5
CHECKED: SKM	DATE AUGUST 2015	



PLAN

NOTES:

1. SEE SHEET 3 FOR GENERAL NOTES AND SURVEY INFORMATION.
2. SEE SHEET 5 FOR DETAILS
3. DOCK TO BE REMOVED AND REPLACED AS NECESSARY
4. ACCESS IS ON THE NORTH BANK BY PRIVATE PROPERTY THROUGH A FARM FIELD AND ON THE SOUTH BANK THROUGH A PRIVATE RESIDENTIAL LOT. CONTRACTOR SHALL COORDINATE ALL ACCESS LOCATIONS THROUGH THE IDNR WHO WILL COORDINATE WITH THE VARIOUS OWNERS OF THE ACCESS LOCATIONS.
5. PROTECT BENCH MARK MONUMENT DURING CONSTRUCTION, IF DISTURBED, RESET BENCH MARK MONUMENT TO ORIGINAL ELEVATION AND LOCATION.

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 SIGNATURE DATE 08/05/15

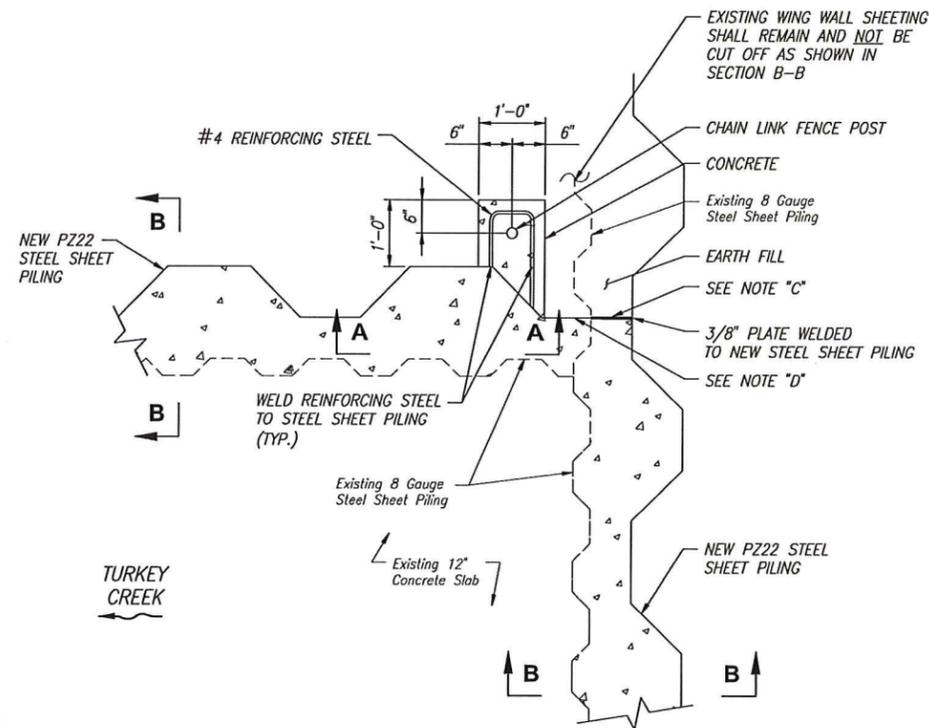
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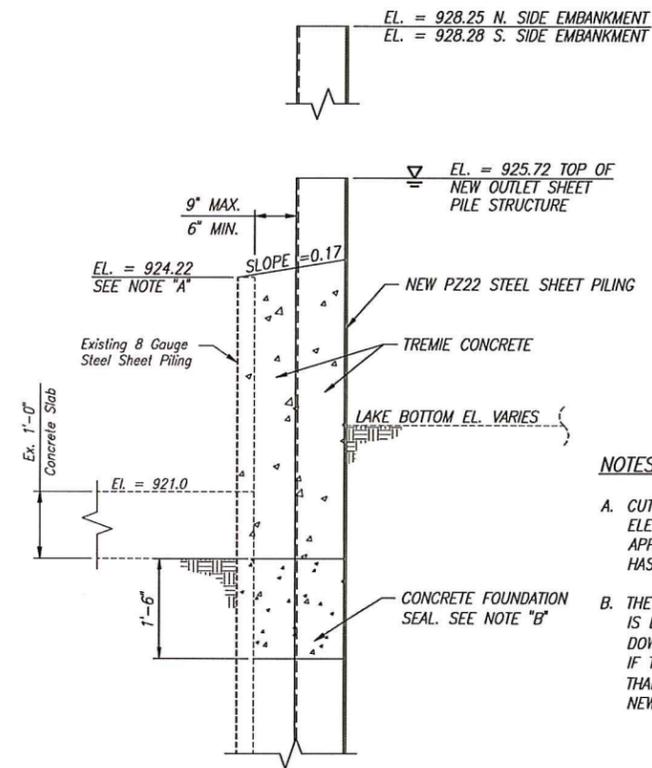
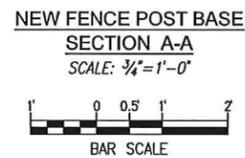
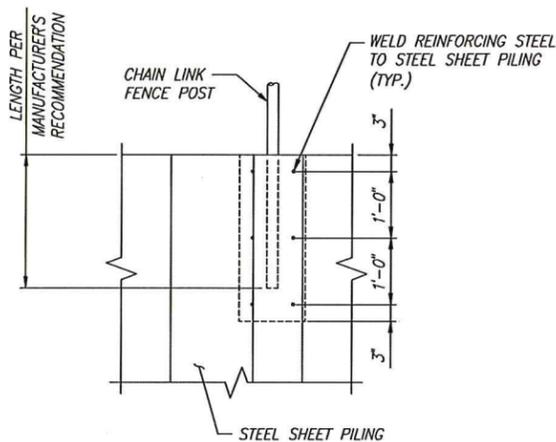
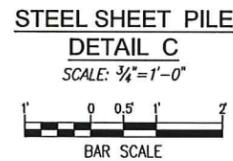
INDIANA DEPARTMENT OF NATURAL RESOURCES
**LITTLE TURKEY LAKE
 OUTLET STRUCTURE**
 PROPOSED SITE
 PLAN

REVISIONS	HORIZONTAL SCALE NOTED	PROJECT NUMBER 201483.00
	VERTICAL SCALE -	SHEETS 4 OF 5
DRAWN: RHK	SURVEY BOOK -	
CHECKED: SKM	DATE AUGUST 2015	

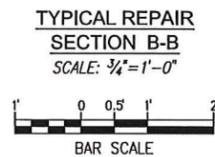
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- NOTES:**
- C. DRIVE THE STEEL SHEETING WITH THE 3/8" STEEL PLATE TIGHT AGAINST EXISTING SHEETING.
 - D. DRIVE NEW STEEL SHEET PILING TIGHT AGAINST EXISTING STEEL SHEET PILING.



- NOTES:**
- A. CUT OFF EXISTING 8 GAUGE SHEETING AT ELEVATION SHOWN. SAME ELEVATION APPLIES TO ALL EXISTING SHEETING THAT HAS NEW SHEETING INSTALLED BEHIND IT.
 - B. THE CONCRETE FOUNDATION SEAL DESIGN IS BASED ON A MINIMUM UPSTREAM AND DOWNSTREAM HEAD DIFFERENTIAL OF 3.25'. IF THE HEAD DIFFERENTIAL IS GREATER THAN 3.25', CONTACT THE ENGINEER FOR NEW SEAL THICKNESS.



- CONCRETE NOTES:**
1. THE CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH (f_c) OF 4,000 PSI, AIR CONTENT SHALL BE 6% ($\pm 1\%$).
 2. ALL REINFORCING STEEL SHALL BE GRADE 60 ($f_y = 60,000$ PSI).
 3. ALL EXPOSED CONCRETE EDGES SHALL HAVE A 3/4" CHAMFER.
 4. PRIOR TO POURING CONCRETE AGAINST THE EXISTING OUTFALL STRUCTURE STEEL SHEET PILING, ALL DEBRIS SHALL BE REMOVED AND THE SURFACES SHALL BE POWER WASHED.
 5. ALL WELDING OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH AWS D1.4.
 6. A CONCRETE COVER SHALL BE 2" UNLESS NOTED.

- NOTE:**
1. SEE SHEET 3 FOR GENERAL NOTES AND SURVEY INFORMATION.

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INDIANA DEPARTMENT OF NATURAL RESOURCES
LITTLE TURKEY LAKE
OUTLET STRUCTURE

DETAILS

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