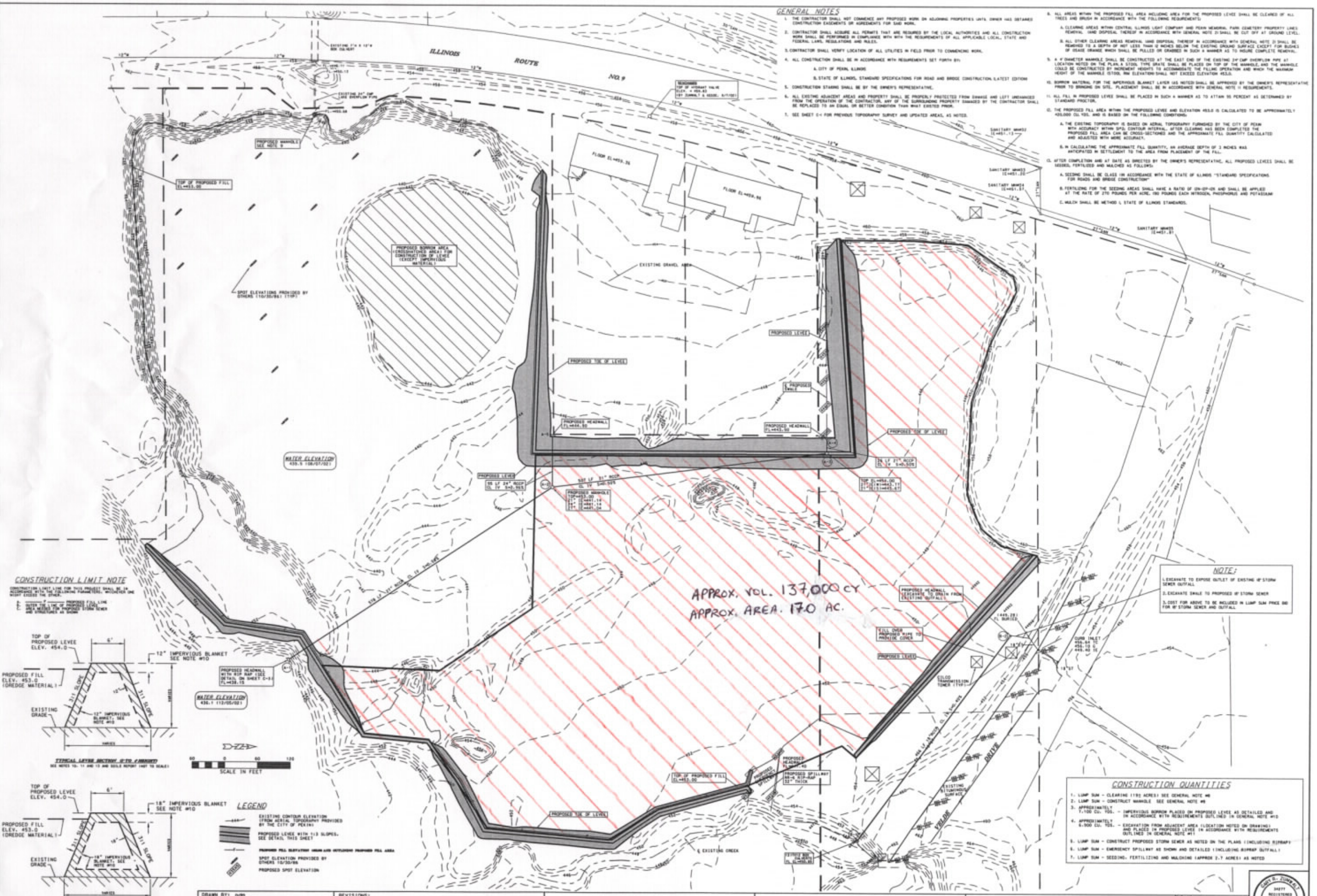
GENERAL NOTES

1. THE CONTRACTOR SHALL NOT COMMENCE ANY PROPOSED WORK ON ADJOINING PROPERTIES UNTIL OWNER HAS OBTAINED CONSTRUCTION EASEMENTS OR AGREEMENTS FOR SAID WORK.
2. CONTRACTOR SHALL ACQUIRE ALL PERMITS THAT ARE REQUIRED BY THE LOCAL AUTHORITIES AND ALL CONSTRUCTION WORK SHALL BE PERFORMED IN COMPLIANCE WITH WITH THE REQUIREMENTS OF ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS, REGULATIONS AND RULES.
3. CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES IN FIELD PRIOR TO COMMENCING WORK.
4. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH REQUIREMENTS SET FORTH BY:
   A. CITY OF PEKIN, ILLINOIS
   B. STATE OF ILLINOIS, STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION)
5. CONSTRUCTION STAKING SHALL BE BY THE OWNER'S REPRESENTATIVE.
6. ALL EXISTING ADJACENT AREAS AND PROPERTY SHALL BE PROPERLY PROTECTED FROM DAMAGE AND LEFT UNDAMAGED FROM THE OPERATION OF THE CONTRACTOR. ANY OF THE SURROUNDING PROPERTY DAMAGED BY THE CONTRACTOR SHALL BE REPLACED TO AN EQUAL OR BETTER CONDITION THAN WHAT EXISTED PRIOR.
7. SEE SHEET C-1 FOR PREVIOUS TOPOGRAPHY SURVEY AND UPDATED AREAS, AS NOTED.
8. ALL AREAS WITHIN THE PROPOSED FILL AREA INCLUDING AREA FOR THE PROPOSED LEVEE SHALL BE CLEARED OF ALL TREES AND BRUSH IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:
   A. CLEARING AREAS WITHIN CENTRAL ILLINOIS LIGHT COMPANY AND PEKIN MEMORIAL PARK CEMETERY PROPERTY LINES REMOVAL (AND DISPOSAL THEREOF IN ACCORDANCE WITH GENERAL NOTE 2) SHALL BE CUT OFF AT GROUND LEVEL.
   B. ALL OTHER CLEARING AREAS REMOVAL (AND DISPOSAL THEREOF IN ACCORDANCE WITH GENERAL NOTE 2) SHALL BE REMOVED TO A DEPTH OF NOT LESS THAN 12 INCHES BELOW THE EXISTING GROUND SURFACE EXCEPT FOR BUSHES OF OSAGE ORANGE WHICH SHALL BE PULLED OR GRUBBED IN SUCH A MANNER AS TO INSURE COMPLETE REMOVAL.
9. A 4' DIAMETER MANHOLE SHALL BE CONSTRUCTED AT THE EAST END OF THE EXISTING 24" CMP OVERFLOW PIPE AT LOCATION NOTED ON THE PLAN. A STOOL TYPE GRATE SHALL BE PLACED ON TOP OF THE MANHOLE, AND THE MANHOLE COULD BE CONSTRUCTED BY INCREMENT HEIGHTS TO ACCOMMODATE THE FILLING OPERATION AND WHICH THE MAXIMUM HEIGHT OF THE MANHOLE (STOOL RIM ELEVATION) SHALL NOT EXCEED ELEVATION 453.0.
10. BORROW MATERIAL FOR THE IMPERVIOUS BLANKET LAYER (AS NOTED) SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO BRINGING ON SITE. PLACEMENT SHALL BE IN ACCORDANCE WITH GENERAL NOTE 11 REQUIREMENTS.
11. ALL FILL IN PROPOSED LEVEE SHALL BE PLACED IN SUCH A MANNER AS TO ATTAIN 95 PERCENT AS DETERMINED BY STANDARD PROCTOR.
12. THE PROPOSED FILL AREA WITHIN THE PROPOSED LEVEE AND ELEVATION 453.0 IS CALCULATED TO BE APPROXIMATELY 420,000 CU. YDS. AND IS BASED ON THE FOLLOWING CONDITIONS:
   A. THE EXISTING TOPOGRAPHY IS BASED ON AERIAL TOPOGRAPHY FURNISHED BY THE CITY OF PEKIN WITH ACCURACY WITHIN 5FG. CONTOUR INTERVAL. AFTER CLEARING HAS BEEN COMPLETED THE PROPOSED FILL AREA CAN BE CROSS-SECTIONED AND THE APPROXIMATE FILL QUANTITY CALCULATED AND ADJUSTED WITH MORE ACCURACY.
   B. IN CALCULATING THE APPROXIMATE FILL QUANTITY, AN AVERAGE DEPTH OF 3 INCHES WAS ANTICIPATED IN SETTLEMENT TO THE AREA FROM PLACEMENT OF THE FILL.
13. AFTER COMPLETION AND AT DATE AS DIRECTED BY THE OWNER'S REPRESENTATIVE, ALL PROPOSED LEVEES SHALL BE SEEDED, FERTILIZED AND MULCHED AS FOLLOWS:
   A. SEEDING SHALL BE CLASS 1W ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROADS AND BRIDGE CONSTRUCTION"
   B. FERTILIZING FOR THE SEEDING AREAS SHALL HAVE A RATIO OF 20N-20P-10K AND SHALL BE APPLIED AT THE RATE OF 270 POUNDS PER ACRE, 180 POUNDS EACH NITROGEN, PHOSPHORUS AND POTASSIUM
   C. MULCH SHALL BE METHOD 1, STATE OF ILLINOIS STANDARDS.



CONSTRUCTION LIMIT NOTE

CONSTRUCTION LIMIT LINE FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH THE FOLLOWING PARAMETERS, WHICHEVER ONE MIGHT EXCEED THE OTHER:

1. 5' OUTER TOE LINE OF PROPOSED FILL LINE
2. AREA NEEDED FOR PROPOSED STORM SEWER AND STREETCARE AS SHOWN

TYPICAL LEVEE SECTION (0 TO 4 HEIGHT)
SEE NOTES 10, 11 AND 13 AND SOILS REPORT (NOT TO SCALE)

TYPICAL LEVEE SECTION (4 TO 10 HEIGHT)
SEE NOTES 10, 11 AND 13 AND SOILS REPORT (NOT TO SCALE)

LEGEND

- EXISTING CONTOUR ELEVATION (FROM AERIAL TOPOGRAPHY PROVIDED BY THE CITY OF PEKIN)
- PROPOSED LEVEE WITH 1:3 SLOPES, SEE DETAIL THIS SHEET
- PROPOSED FILL ELEVATION (MIN) AND OUTLINE PROPOSED FILL AREA
- SPOT ELEVATION PROVIDED BY OTHERS 10/30/96
- PROPOSED SPOT ELEVATION

NOTE:

1. EXCAVATE TO EXPOSE OUTLET OF EXISTING 48" STORM SEWER OUTFALL
2. EXCAVATE SWALE TO PROPOSED 48" STORM SEWER
3. COST FOR ABOVE TO BE INCLUDED IN LUMP SUM PRICE BID FOR 48" STORM SEWER AND OUTFALL

CONSTRUCTION QUANTITIES

1. LUMP SUM - CLEARING (1192 ACRES) SEE GENERAL NOTE #8
2. LUMP SUM - CONSTRUCT MANHOLE SEE GENERAL NOTE #9
3. APPROXIMATELY 7,100 CU. YDS. - IMPERVIOUS BORROW PLACED ON PROPOSED LEVEE AS DETAILED AND IN ACCORDANCE WITH REQUIREMENTS OUTLINED IN GENERAL NOTE #10
4. APPROXIMATELY 6,900 CU. YDS. - EXCAVATION FROM ADJACENT AREA (LOCATION NOTED ON DRAWING) AND PLACED IN PROPOSED LEVEE IN ACCORDANCE WITH REQUIREMENTS OUTLINED IN GENERAL NOTE #11
5. LUMP SUM - CONSTRUCT PROPOSED STORM SEWER AS NOTED ON THE PLANS (INCLUDING RIPRAP)
6. LUMP SUM - EMERGENCY SPILLWAY AS SHOWN AND DETAILED (INCLUDING RIPRAP OUTFALL)
7. LUMP SUM - SEEDING, FERTILIZING AND MULCHING (APPROX 2.7 ACRES) AS NOTED

DRAWN BY: DGM	REVISIONS:
APPROVED BY: GFZ	
DATE: 12/12/02	
DWG.: 18779-C-002 GRADING	
SURVEY BY: JWD	

ZUMWALT & ASSOCIATES, INC.
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PEKIN, ILLINOIS 61554 (309) 353-5971
DESIGN FIRM REGISTRATION 184.001800

PEKIN LAKE DREDGING PROJECT
PEKIN, IL

PROPOSED GRADING AND FILL AREA PLAN

DWG. NO. EA-3a
C-2

GARY G. ZUMWALT 34277 REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

JOB NO. 18779