

# CITIZENS FOR CONSERVATION

## HILL 'N DALE NATURAL RESTORATION PROJECT

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**MAP KEY**

**LOCATION / VICINITY MAP**

**CLIENT**

**Citizens for Conservation**

459 West Hwy. 22, Barrington, IL., 60010

CITIZENS FOR CONSERVATION  
 459 WEST HWY 22  
 BARRINGTON, IL., 60010  
 PHONE: 847-382-7283  
 EMAIL: CFC@CITIZENSFORCONSERVATION.ORG

**BENCHMARK**

SEE ALIGNMENT, TIES AND BENCHMARKS SHEET 5

**LOCATION**

WITH THE FOLLOWING:  
 COUNTY MCHENRY  
 CITY BARRINGTON HILLS  
 TOWNSHIP ALGONQUIN  
**48 HOURS BEFORE YOU DIG.**  
EXCLUDING SAT., SUN., & HOLIDAYS

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/DIRECTION AND MEANS/METHODS OF CONSTRUCTION

**CHRISTOPHER B. BURKE ENGINEERING, LTD.**

9575 W. Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

PROFESSIONAL DESIGN FIRM NO. 184-001175  
 EXPIRATION DATE: 04/30/25

*Michael A. Gratzke*

ENGINEER

11/2024  
DATE

**MICHAEL A. GRATZKE**  
 ILLINOIS REGISTRATION No. 062-076510  
 EXPIRATION DATE: 11/30/25

**CONSTRUCTABILITY REVIEW BY**

**KELLY KNOWLES**  
REVIEWER

9/2024  
DATE

**SPECIFICATIONS & GENERAL NOTES:**

1. ALL ITEMS OF THIS PROJECT SHALL BE GOVERNED BY SPECIFICATIONS INCLUDED IN THE DOCUMENTS LISTED BELOW:
  - a. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" PREPARED BY THE DEPARTMENT OF TRANSPORTATION OF THE STATE OF ILLINOIS AND ADOPTED BY SAID DEPARTMENT (LATEST EDITION).
  - b. "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (LATEST EDITION).
  - c. "BUREAU OF DESIGN & ENVIRONMENT MANUAL" (BDE) BY ILLINOIS DEPARTMENT OF TRANSPORTATION (LATEST EDITION).
  - d. "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" – FEDERAL HIGHWAY ADMINISTRATION MUTCO (LATEST EDITION).
  - e. "ILLINOIS SUPPLEMENT TO THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (LATEST EDITION).
  - f. "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" (LATEST EDITION).
  - g. "ILLINOIS URBAN MANUAL" PREPARED BY THE U.S. DEPARTMENT OF AGRICULTURE NRCS AND MAINTAINED BY THE ASSOCIATION OF ILLINOIS SOIL AND WATER CONSERVATION DISTRICTS (LATEST EDITION).
  - h. "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" BY IEPA, ILLINOIS URBAN MANUAL – A TECHNICAL MANUAL DESIGNED FOR URBAN ECOSYSTEM PROTECTION AND ENHANCEMENT, (LATEST EDITION).
  - i. "MCHENRY COUNTY STORMWATER ORDINANCE"
  - j. "MCHENRY COUNTY SOIL AND WATER CONSERVATION DISTRICT SPECIAL PROVISIONS"
  - k. "MCHENRY COUNTY MUNICIPAL CODE AND ENGINEERING STANDARDS"

IN ADDITION THE FOLLOWING SPECIAL PROVISIONS SUPPLEMENT THE SAID SPECIFICATIONS AND IN CASE OF CONFLICT WITH ANY PART OR PARTS OF SAID SPECIFICATIONS, THESE SPECIAL PROVISIONS SHALL TAKE PRECEDENCE AND SHALL GOVERN.

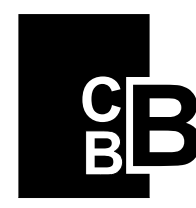
2. SCOPE OF WORK: THE PROPOSED IMPROVEMENT CONSISTS OF SUPPLYING ALL THE NECESSARY LABOR, MATERIAL AND EQUIPMENT TO SATISFACTORILY CONSTRUCT AND INSTALL ALL IMPROVEMENTS ACCORDING TO THE PLANS AND SPECIFICATIONS.
3. COORDINATION WITH UTILITIES:  
PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL HAVE ALL UTILITIES LOCATED BY J.U.L.I.E. (811) OR (1-800-892-0123) AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATIONS.  
  
THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES, EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER OR THE OWNER. THIS WORK SHALL BE PAID FOR AT THE CONTRACTOR'S EXPENSE.  
  
IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. THE LOCATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORD INFORMATION AND MAY NOT BE ACCURATE. WHERE CONFLICT EXISTS BETWEEN EXISTING UTILITIES AND THE PROPOSED UNDERGROUND PIPING REQUIRING A REVISION TO THE PLANS, SUCH CONSTRUCTION SHALL NOT BE UNDERTAKEN UNTIL SUCH CHANGES ARE APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL REPORT ALL SUCH CONFLICTS IMMEDIATELY TO THE ENGINEER.  
  
ALL EXISTING UTILITIES WITHIN THE PROJECT AREA SHALL BE REMOVED AND RELOCATED, IF NECESSARY, FOR CONSTRUCTION BY THE UTILITY COMPANY WHICH HAS JURISDICTION OVER IT. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING WITH THE APPROPRIATE UTILITY COMPANY.  
  
THE COORDINATION OF ALL UTILITY WORK FOR THE CONSTRUCTION PROJECT WILL BE DISCUSSED AT A PRE CONSTRUCTION MEETING.
4. CONSTRUCTION OF UNDERGROUND UTILITIES
  - a. RESTORATION OF DRAINAGE. AS SOON AS POSSIBLE AFTER BACKFILLING THE TRENCH ALL DITCHING, GRADING AND SHAPING NECESSARY TO RESTORE THE ORIGINAL DRAINAGE IN THE AREA OF WORK SHALL BE PERFORMED. CULVERTS REMOVED DURING THE COURSE OF THE WORK SHALL BE REPLACED AS SOON AS PRACTICABLE.  
  
ADEQUATE TEMPORARY DRAINAGE FACILITIES MEETING THE APPROVAL OF THE ENGINEER SHALL BE PROVIDED DURING CONSTRUCTION. THIS WORK SHALL BE INCIDENTAL TO THE PROJECT.
  - b. UTILITIES: THE CONTRACTOR SHALL NOTIFY ALL UTILITIES OWNERS PRIOR TO THE INSTALLATION OF ANY PIPE LINES WHERE CONFLICT EXISTS BETWEEN REQUIRING A REVISION TO THE PLANS, SUCH CONSTRUCTION SHALL NOT BE UNDERTAKEN UNTIL SUCH CHANGES ARE APPROVED BY MCHENRY COUNTY AND OR ENGINEER IN WRITING.
5. STORM SEWER FLARED END SECTIONS
  - a. WHEN A PRECAST REINFORCED CONCRETE OR METAL FLARED END SECTION IS USED AT THE END OF A STORM SEWER PIPE, THE LENGTH OF STORM SEWER PIPE DOES NOT INCLUDE THE LENGTH OF THE END SECTION. THE PROPOSED SLOPE OF THIS PIPE IS THEN CALCULATED BY INCLUDING THE LENGTH OF THE END SECTION INTO THE OVERALL LENGTH.
6. THE ENGINEER AND MCHENRY COUNTY, SHALL BE NOTIFIED IF, DURING CONSTRUCTION, ANY BURIED FIELD TILES ARE EXPOSED OR DISTURBED TO BE MEASURED AND PAID FOR PER 109.04 OF THE STANDARDS SPECIFICATIONS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS, TRAFFIC CONTROL DEVICES AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC DURING ALL PHASES OF CONSTRUCTION. SEE SPECIAL PROVISIONS. THIS WORK BE MEASURED AND PAID FOR AS TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR, U.N.O. AS DETERMINED BY ENGINEER.
8. CONSTRUCTION OBSERVATION.  
THE CONTRACTOR SHALL BE AWARE THAT THE IMPROVEMENTS WILL BE SUBJECT TO OBSERVATION AT ANY TIME BY THE OWNER, ENGINEER, COUNTY, USACE OR SWCD DURING CONSTRUCTION.
9. EROSION CONTROL.: IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROPERLY CONTROL EROSION ON THE JOBSITE ANY SILTATION OF CONDUITS, STRUCTURES OR DITCHES SHALL BE CLEANED AND MAINTAINED BY THE CONTRACTOR UNTIL THE SEEDING HAS TAKEN HOLD. ALL WASHOUTS, GULLIES, ETC. WILL BE REGRADED AND RESEEDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

- THE CONTRACTORS RESPONSIBILITY FOR EROSION CONTROL SHALL EXTEND THROUGHOUT THE CONSTRUCTION PROCESS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN-UP OF PAVED SURFACES WITHIN THE ADJACENT TO THE PROJECT ON A TIMELY BASIS AND/OR AT THE DIRECTION OF MCHENRY COUNTY AND/OR SWCD.
- ALL CONSTRUCTION WILL ADHERE TO THE REQUIREMENTS SET FORTH IN THE IEPA'S GENERAL ILR10 NPDES PERMIT FOR STORMWATER DISCHARGE FROM CONSTRUCTION SITE ACTIVITIES.
- FOR ALL DRAINAGE STRUCTURES IN THE DISTURBED AREAS, INLET PROTECTION SHALL BE PLACED AND MAINTAINED BY THE CONTRACTOR UNTIL VEGETATION IS ESTABLISHED, AS DETERMINED BY THE COUNTY.
- EROSION CONTROL MEASURES MUST BE INSPECTED WEEKLY AND AFTER EVERY STORM OF ONE HALF INCH OF RAINFALL OR GREATER BY THE CONTRACTOR, AN INSPECTION REPORT MUST BE SUBMITTED BY THE CONTRACTOR TO THE COUNTY AND OWNERS REPRESENTATIVE FOLLOWING EACH INSPECTION, ANY REPAIRS OR REPLACEMENT NEEDED TO ENSURE ADEQUATE EROSION CONTROL MUST BE MADE IMMEDIATELY AT THE CONTRACTORS EXPENSE.
- CONTRACTOR SHALL AMEND NOI WITH CONTRACTORS INFORMATION PRIOR TO START OF CONSTRUCTION. A COPY OF THE NOTICE OF INTENT (NOI) MUST BE SUBMITTED TO THE COUNTY BEFORE THE REQUIRED PRE-CONSTRUCTION CONFERENCE CAN BE SCHEDULED WITH THE COUNTY'S PUBLIC WORKS DEPARTMENT.
- CONSTRUCTION AND SILT FENCING MUST BE INSTALLED PRIOR TO STARTING CONSTRUCTION.
- CONTRACTOR SHALL SUBMIT A NOTICE OF TERMINATION (N.O.T.) AFTER SUBSTANTIAL COMPLETION OF PROJECT INCLUDING RESTORATION.
10. TOPSOIL PLACEMENT: CONTRACTOR SHALL PLACE STOCKPILED TOPSOIL OR IMPORTED MATERIAL ON ALL DISTURBED AREAS WITH A MINIMUM 8" TOPSOIL RAKED SMOOTH TO BE READY FOR LANDSCAPING (SEEDING, SOD, ETC) CFC SHALL PROVIDE AND COMPLETE SEEDING.
  11. NO PLANS SHALL BE USED FOR CONSTRUCTION UNLESS SPECIFICALLY MARKED "FOR CONSTRUCTION." PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, STANDARD SPECIFICATIONS AND/OR SPECIAL DETAILS. THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTIONS FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSIONS OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTIONS, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK AND EXPENSE. IN THE EVENT OF ANY DOUBT OR QUESTIONS ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTION PLANS OR SPECIFICATIONS, THE DECISION OF THE ENGINEER SHALL BE FINAL AND CONCLUSIVE.
  12. INDEMNIFICATION  
CONTRACTOR SHALL PROVIDE INDEMNIFICATION AS PER ARTICLE 107.26 OF THE STANDARD SPECIFICATIONS. ALL COSTS FOR INSURANCE SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.  
  
ADDITIONAL REQUIREMENTS. THE CONTRACTOR SHALL ALSO INDEMNIFY AND HOLD HARMLESS, CFC, MCHENRY COUNTY, CITIZENS FOR CONSERVATION, ITS OFFICERS, EMPLOYEES, AGENTS AND SUBCONTRACTORS. THE CONTRACTOR SHALL NOT COMMENCE WORK UNTIL ADDITIONAL INDEMNIFICATION REQUIREMENTS HAVE BEEN OBTAINED UNDER THIS PARAGRAPH.
  13. INSURANCE AND LIABILITY  
CONTRACTOR SHALL PROVIDE INSURANCE COVERAGE AS PER ARTICLE 107.27 OF THE STANDARD SPECIFICATIONS. ALL COSTS FOR INSURANCE SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.  
  
THE "DEPARTMENT" SHALL BE TAKEN TO MEAN CFC THE POLICY OF INSURANCE SHALL INCLUDE CFC, MCHENRY COUNTY, CITIZENS FOR CONSERVATION, AND IT'S AGENTS AS AN ADDITIONAL INSURED OR PROVIDE SEPARATE COVERAGE WITH AN OWNER'S PROTECTIVE POLICY, AS PER THE AMOUNTS STATED IN THE STANDARD SPECIFICATIONS. NO WORK SHALL BEGIN UNTIL THE CERTIFICATE OF INSURANCE IS ON FILE WITH THE ENGINEER.  
  
ADDITIONAL REQUIREMENTS: THE CONTRACTOR SHALL SECURE AND MAINTAIN SUCH INSURANCE FROM AN INSURANCE COMPANY AUTHORIZED TO WRITE CASUALTY INSURANCE IN THE STATE WHERE THE WORK IS LOCATED AND ALSO WILL PROTECT AND LIST AS ADDITIONAL INSURED, CFC, MCHENRY COUNTY, AND ITS SUBCONTRACTORS AND ITS EMPLOYEES FROM CLAIMS FOR BODILY INJURY, DEATH OR PROPERTY DAMAGE WHICH MAY ARISE FROM IMPROVEMENTS ON THE PROPERTY. THE CONTRACTOR SHALL NOT COMMENCE WORK UNTIL HE/SHE HAS OBTAINED ALL INSURANCE REQUIRED UNTIL THIS PARAGRAPH AND FILED THE CERTIFICATE OF INSURANCE OR THE CERTIFIED COPY OF THE INSURANCE POLICY.
  14. SITE CLEAN UP  
WHEN CONSTRUCTION OPERATIONS TAKE PLACE ADJACENT TO PUBLIC ROADWAYS THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL LOOSE DEBRIS DEPOSITED ON THE PAVEMENT. THE STOCK PILING OF SPOILS FROM FOUNDATIONS OR UTILITY EXCAVATIONS WILL NOT BE ALLOWED ON THE PAVEMENT OR IN SPECIAL MANAGEMENT AREAS SUCH AS FLOOD PLAINS OR WETLANDS.
  15. LANDSCAPING AND RESTORATION  
SEE PLANTING PLANS.
  16. STAKING  
THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE OWNER, HIS AGENT OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.  
  
THE ENGINEER SHALL BE RESPONSIBLE FOR PROVIDING ANY ADDITIONALLY REQUIRED STAKING INFORMATION. THE ENGINEER IS NOT RESPONSIBLE FOR STAKING.  
  
ALL ELEVATIONS ARE ON U.S.G.S. DATUM. (NAVD 88)
  17. MISCELLANEOUS  
THE CONTRACTOR SHALL NOTIFY MCHENRY COUNTY A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION.  
ALL WORK PERFORMED RELATIVE TO THE IMPROVEMENTS SHALL COMPLY WITH ALL APPLICABLE RULES AND REGULATIONS OF O.S.H.A.  
  
ALL CONSTRUCTION PERSONNEL WILL BE REQUIRED TO WEAR A SAFETY VEST, COMPLYING WITH THE LATEST O.S.H.A. REQUIREMENTS. AT ALL TIMES WHILE AT THE CONSTRUCTION SITE. COMPLIANCE WITH THIS REQUIREMENT SHALL BE CONSIDERED AS INCIDENTAL TO CONTRACT.

- ALL CULVERT PIPES INDICATED TO BE REMOVED AND REPLACED, SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
- UNLESS OTHERWISE INDICATED, THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID. PRICES OF THE "CONTRACT" AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED
18. SEDIMENT/EROSION CONTROL  
  
SEE SEDIMENT EROSION CONTROL PLANS.  
  
NOTE. RIDGE AND SPRING CK ROAD ARE GOVERNED BY BARRINGOTN HILLS AND HAVE WEIGHT LIMITS ON THERE. CONTRACTORS SHALL BE RESPONSIBLE FOR ALL PERMITS AND OVERWEIGHT FEES ACCESS BY BARRINTON HILLS ACCESS FROM LAKE COOK ROAD IS PERMISSABLE


**MISC. GENERAL NOTES**

1. IN CASE OF DISCREPENCIES BETWEEN PLANS OR RELATIVE TO OTHER PLANS, THE SITE PLAN WILL TAKE PRECEDENCE. IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OR ANY CONFLICTS.
2. ALL EXISTING STRUCTURES, UNLESS OTHERWISE NOTED TO REMAIN, FENCING, TREES, & ETC., WITHIN CONSTRUCTION AREA SHALL BE REMOVED & DISPOSED OF OFF SITE, NO ON SITE BURNING WILL BE ALLOWED.
3. PART OF THE PROPOSED PROJECT IS LOCATED WITHIN WATERS AND WETLAND OF THE UNITED STATES.
4. THE CONTRACTOR SHALL CONFINE THEIR GRADING OPERATIONS TO WITHIN CONSTRUCTION LIMITS AND EASEMENTS SHOWN ON THE PLANS. ANY DAMAGE TO PROPERTIES OUTSIDE THE SITE BOUNDARY SHALL BE AT THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
5. THE CONTRACTOR SHALL APPLY NECESSARY MOISTURE CONTROL TO THE CONSTRUCTION AREA AND HAUL ROADS TO PREVENT THE SPREAD OF DUST.
6. ALL STORM DRAINAGE CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH MCHENRY COUNTY STANDARDS.
7. THE CONTRACTOR SHALL NOT DISTURB DESIRABLE GRASS AREAS AND DESIRABLE TREES OUTSIDE THE CONSTRUCTION LIMITS. THE CONTRACTOR SHALL NOT BE PERMITTED TO PARK OR SERVICE VEHICLES AND EQUIPMENT OR USE THESE AREAS FOR STORAGE OR MATERIALS. STORAGE, PARKING AND SERVICE AREAS WILL BE SUBJECT TO THE APPROVAL OF THE OWNER.
8. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY AREAS OF PAVEMENT OR SIDEWALK NOT TO BE REMOVED THAT IS DAMAGED DUE TO OPERATING EQUIPMENT ON THE PAVEMENT OR SIDEWALK.
9. ALL CONSTRUCTION WITHIN PUBLIC ROW/EASEMENTS AND/OR ANY CONNECTION TO PUBLIC SEWERS AND STREETS, SHALL COMPLY WITH THE COUNTY CONSTRUCTION SPECIFICATIONS FOR SUBDIVISIONS AND LATEST EDITION OF IDOT DESIGN STANDARDS.
10. FIELD VERIFY ELEVATIONS AND LOCATIONS OF ALL CONNECTIONS TO EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION.
11. ROOF DRAINS, FOUNDATIONS DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED.
12. GENERAL CONTRACTOR SHALL HAVE APPROVAL OF CONSTRUCTION FROM ALL GOVERNING AGENCIES HAVING JURISDICTION OVER THIS SYSTEM PRIOR TO INSTALLATION.



**CHRISTOPHER B. BURKE ENGINEERING, LTD.**  
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(847) 823-0500

CLIENT:



**Citizens for Conservation**  
459 West Hwy. 22, Barrington, IL., 60010

				DSGN.	JA
				DWN.	MJ
				CHKD.	MAG
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				PLOT DATE:	11/26/2024
				CAD USER:	mgratzke
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NO.	DATE	NATURE OF REVISION		CHKD.	
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TITLE:

**GENERAL NOTES**

PROJ. NO. 220537
DATE: 11/18/24 BID
SHEET 2 OF 36
DRAWING NO.

# SCHEDULE OF QUANTITIES

Line	ITEM	UNIT	Quad/Sheet 1	Quad/Sheet 2 (with Barn Removal)	Quad/Sheet 3	Quad/Sheet 4 -SWC	TOTAL
			QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
1	DEMOLISH BARN 6	EACH	0	1	0	0	1
2	PAVEMENT REMOVAL	SQ YD	760	2850	0	0	3610
3	AGGREGATE SURFACE COURSE, TYPE B	CU YD	1089	0	0	0	1089
* 4	TOPSOIL EXCAVATION AND PLACEMENT, 8"	SQ YD	14182	21422	226	16093	51923
* 5	FIELD TILE DEACTIVATION AND REMOVAL	FOOT	27	2721	0	8629	11377
6	TREE REMOVAL, ACRES	ACRE	9.9	3.3	1.1	1.1	15.4
7	EARTH EXCAVATION	CU YD	100	1200	0	100	1400
8	REMOVAL AND DISPOSAL OF UNSITABLE MATERIAL	CU YD	25	250	0	25	300
* 9	DISPOSAL OF UNIDENTIFIED CONSTRUCTION WASTE	CU YD	20	20	20	20	80
10	REMOVING CATCH BASINS	EACH	1	0	0	0	1
* 11	PIPE CULVERT, CLASS D, TYPE II, 12"	FOOT	192	0	0	0	192
* 12	PIPE CULVERT, CLASS A, TYPE II, 18"	FOOT	0	0	0	92	92
* 13	PIPE UNDERDRAINS TYPE II, 12" CPE	FOOT	0	0	0	463	463
* 14	STORM SEWER CLASS B, TYPE II, 12" CPE	FOOT	0	0	0	135	135
* 15	CATCH BASIN TYPE C, 4' DIAMETER W/OPEN GRATE	EACH	0	0	0	11	11
* 16	AGRI-DRAIN WATER LEVEL CONTROL DEVICE	EACH	1	0	0	0	1
* 17	STREAMBANK STABILIZATION - BOULDER TOE, CHANNEL FILL, DUMPED RIPRAP, TUCKED STONE, COIR	FOOT	2685	2200	0	0	4885
* 18	EROSION CONTROL BLANKET - NAG S75-BN	SQ YD	14182	21422	226	16093	51923
* 19	EROSION CONTROL BLANKET - NAG SC-150BN	SQ YD	2018	2019	0	0	4037
* 20	PERIMETER EROSION BARRIER	FOOT	874	0	0	3034	3908
21	INLET AND PIPE PROTECTION	EACH	0	0	0	11	11
* 22	STONE RIPRAP, CLASS A3 (SPECIAL)	SQ YD	287	256	0	90	633
* 23	STONE RIPRAP, CLASS A6 (SPECIAL)	SQ YD	50	50	0	0	100
* 24	STONE RIPRAP, CLASS A7 (SPECIAL)	SQ YD	0	35	0	0	35
25	PIPE CULVERT REMOVAL	FOOT	55	0	0	0	55
26	MOBILIZATION	L SUM	0.25	0.25	0.25	0.25	1.00
* 27	SEEDING, SAVANNA	ACRE	1.1	0.0	1.1	0.0	2.2
* 28	INTERSEEDING, SAVANNA	ACRE	8.4	5.3	4.2	5.3	23.2
* 29	SEEDING, PRAIRIE	ACRE	1.1	1.1	0.0	2.1	4.3
* 30	INTERSEEDING, PRAIRIE	ACRE	13.6	6.3	0.0	14.7	34.6
* 31	SEEDING, WET PRAIRIE	ACRE	2.1	4.2	0.0	0.0	6.3
* 32	INTERSEEDING, WET PRAIRIE	ACRE	37.8	27.3	6.3	0.0	71.4
* 33	SEEDING, SEDGE MEADOW	ACRE	1.1	0.0	0.0	1.1	2.2
* 34	INTERSEEDING, SEDGE MEADOW	ACRE	17.8	7.4	0.0	35.7	60.9
* 36	INTERSEEDING, SHORELINE	ACRE	2.0	0.0	0.0	0.0	2.0
* 37	PERENNIAL LIVE PLANTS	ACRE	2.1	0.0	0.0	0.0	2.1
38	SEEDING, CLASS 1	ACRE	6.0	9.0	0.0	0.0	15.0
39	CONSTRUCTION LAYOUT	L SUM	0.25	0.25	0.25	0.25	1.00
* 40	STABILIZED CONSTRUCTION ENTRANCE	EACH	1	0	1	1	3
* 41	TEMPORARY STREAM CROSSING	L SUM	1	0	0	0	1
* 42	CLEARING AND GRUBBING and SELECTIVE CLEARING (STREAM CORRIDOR)	ACRE	3.0	2.0	0.0	0.0	5.0
43	SELECTIVE HERBICIDING	ACRE	79.6	46.3	10.5	50.4	186.8
* 44	PRESEED PRESCRIBED BURN	ACRE	79.6	46.3	10.5	50.4	186.8
* 45	CROSS VANE (RIFFLES)	EACH	1	0	0	0	1
* 46	TEMPORARY BYPASS PUMPING SYSTEM	L SUM	1	0	0	0	1
* 47	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	0	0	0	1	1
* 48	AS-BUILT DRAWINGS	L SUM	1	1	1	1	4
* 49	ITEMS AS ORDERED BY ENGINEER	UNIT	20000	20000	20000	20000	80000
* 50	CONTRACT ALLOWANCE FOR SOIL EROSION, SEDIMENT CONTROL PLAN AND LANDSCAPE	UNIT	10000	15000	15000	15000	55000
* 51	POST CONSTRUCTION MAINTENANCE AND MONITORING (1-YEAR)	YEAR	1	1	1	1	4

\*SPECIAL PROVISION

N:\McHENRY\220537\Civil\Spreadsheets\Cost Estimate.V9.111224.xlsx

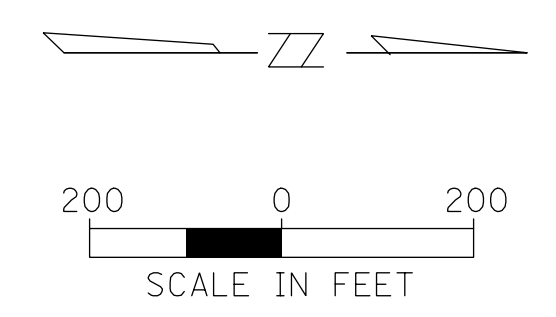
**CHRISTOPHER B. BURKE ENGINEERING, LTD.**  
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CLIENT:  
**Citizens for Conservation**  
 459 West Hwy. 22, Barrington, IL., 60010

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
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			PLOT DATE:	11/19/2024
			CAD USER:	mgratzke
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TITLE:  
**SUMMARY OF QUANTITIES**

PROJ. NO. 220537  
 DATE: 11/18/24 BID  
 SHEET 3 OF 36  
 DRAWING NO.



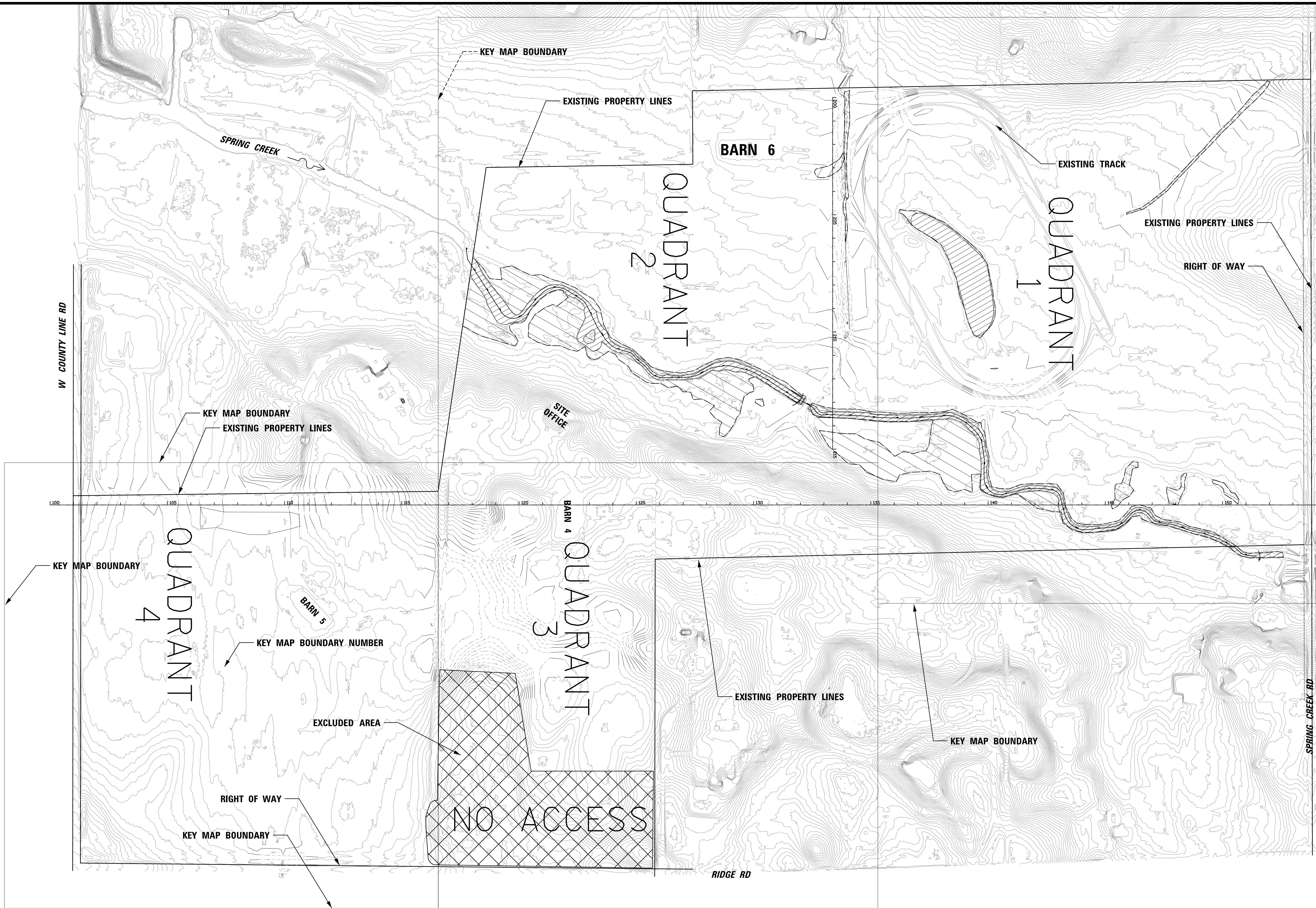
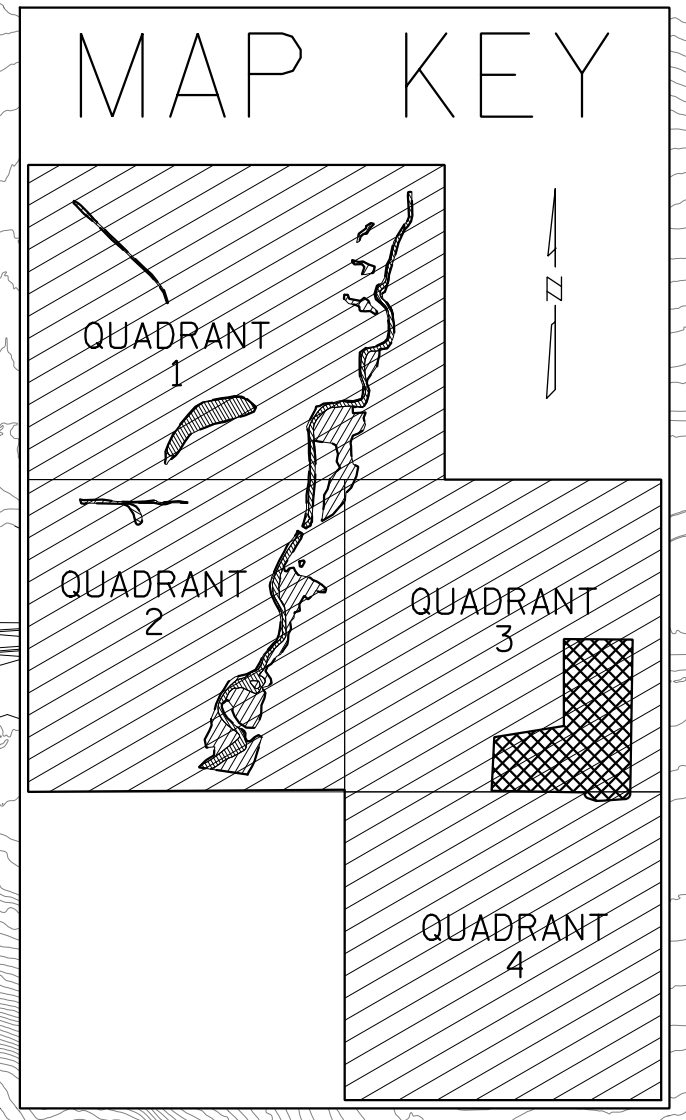
**LEGEND**

NOTE:  
 1. EXISTING COUNTY AERIAL IMAGE  
 2. EXISTING COUNTY CONTOURS

AQUATIC WETLANDS  
 RIPARIAN WETLANDS  
 EXCLUDED AREA

PROPOSED CONTOURS  
 NOTE: ALL PROPOSED CATCH BASINS SHALL HAVE OPEN (BEEHIVE) GRATES.

CBEL / MCHENRY COUNTY CONTOUR SURVEY BOUNDARY



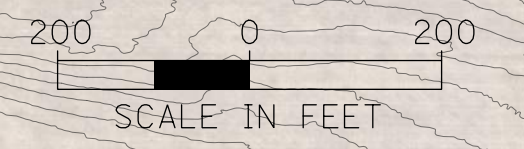
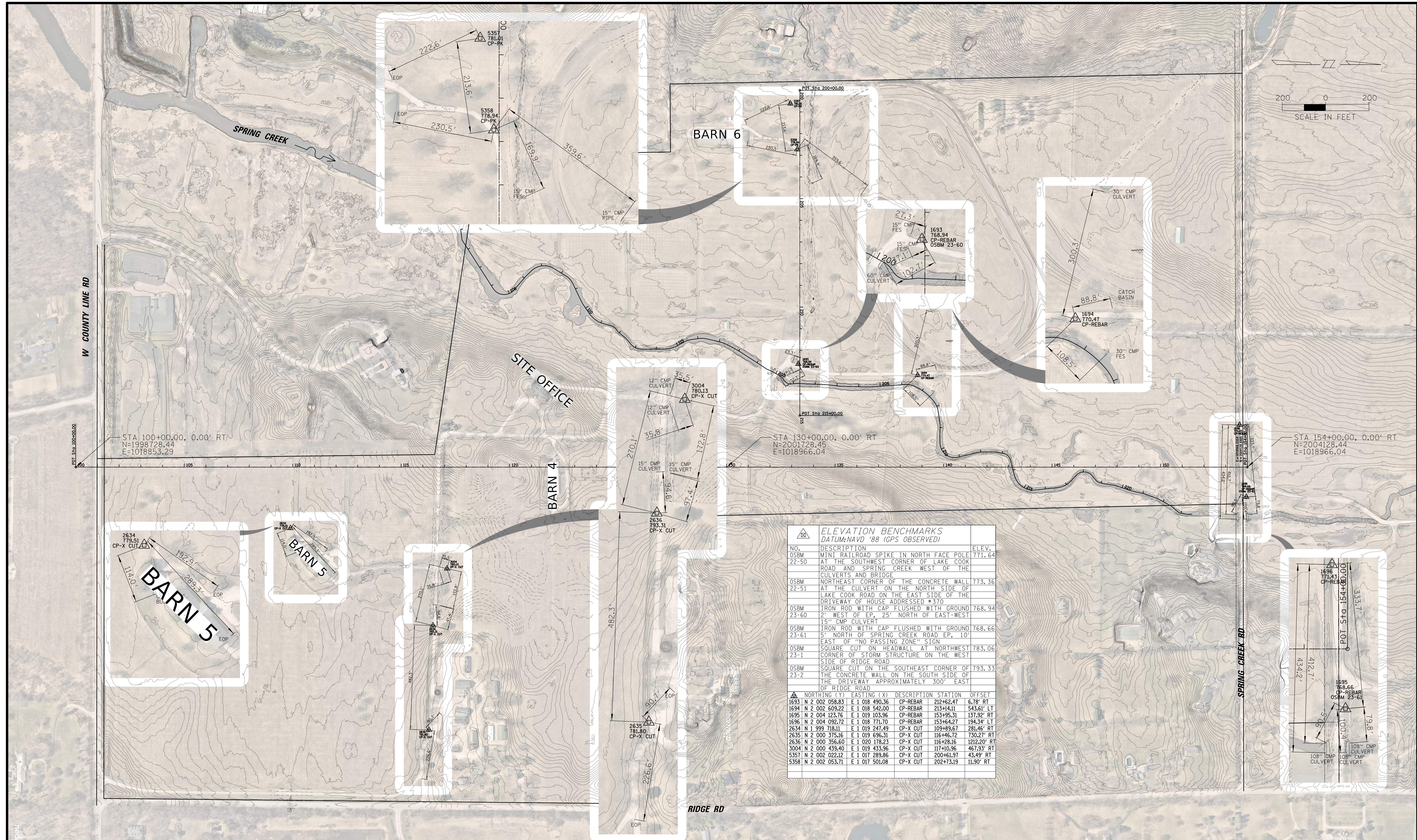
**CHRISTOPHER B. BURKE ENGINEERING, LTD.**  
 9575 W. Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

CLIENT:  
**Citizens for Conservation**  
 459 West Hwy. 22, Barrington, IL., 60010

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:

TITLE:  
**OVERALL SITE MAP**

PROJ. NO. 220537  
 DATE: 11/18/24 BID  
 SHEET 4 OF 36  
 DRAWING NO.



ELEVATION BENCHMARKS DATUM: NAVD '88 (GPS OBSERVED)					
NO.	DESCRIPTION	ELEV.			
OSBM 22-50	MINI RAILROAD SPIKE IN NORTH FACE POLE AT THE SOUTHWEST CORNER OF LAKE COOK ROAD AND SPRING CREEK WEST OF THE CULVERTS AND BRIDGE	771.64			
OSBM 22-51	NORTHEAST CORNER OF THE CONCRETE WALL AT THE CULVERT ON THE NORTH SIDE OF LAKE COOK ROAD ON THE EAST SIDE OF THE DRIVEWAY OF HOUSE ADDRESSED # 370	773.36			
OSBM 23-60	IRON ROD WITH CAP FLUSHED WITH GROUND 2' WEST OF EP, 25' NORTH OF EAST-WEST 15" CMP CULVERT	768.94			
OSBM 23-61	IRON ROD WITH CAP FLUSHED WITH GROUND 5' NORTH OF SPRING CREEK ROAD EP, 10' EAST OF "NO PASSING ZONE" SIGN	768.66			
OSBM 23-1	SQUARE CUT ON HEADWALL AT NORTHWEST CORNER OF STORM STRUCTURE ON THE WEST SIDE OF RIDGE ROAD	783.06			
OSBM 23-2	SQUARE CUT ON THE SOUTHEAST CORNER OF THE CONCRETE WALL ON THE SOUTH SIDE OF THE DRIVEWAY APPROXIMATELY 300' EAST OF RIDGE ROAD	793.33			
NORTHING (Y)    EASTING (X)    DESCRIPTION    STATION    OFFSET					
1693	N 2 002 058.83	E 1 018 490.36	CP-REBAR	212+62.47	6.78' RT
1694	N 2 002 609.22	E 1 018 542.00	CP-REBAR	213+14.11	543.61' LT
1695	N 2 004 123.76	E 1 019 103.96	CP-REBAR	153+95.31	137.92' RT
1696	N 2 004 092.72	E 1 018 771.70	CP-REBAR	153+64.27	194.34' LT
2634	N 1 999 718.11	E 1 019 247.49	CP-X CUT	109+89.67	281.46' RT
2635	N 2 000 375.16	E 1 019 696.31	CP-X CUT	116+46.72	730.27' RT
2636	N 2 000 356.60	E 1 020 178.23	CP-X CUT	116+28.16	1212.20' RT
3004	N 2 000 439.40	E 1 019 433.96	CP-X CUT	117+10.96	467.93' RT
5357	N 2 002 022.12	E 1 017 289.86	CP-X CUT	200+61.97	43.49' RT
5358	N 2 002 053.71	E 1 017 501.08	CP-X CUT	202+73.19	11.90' RT

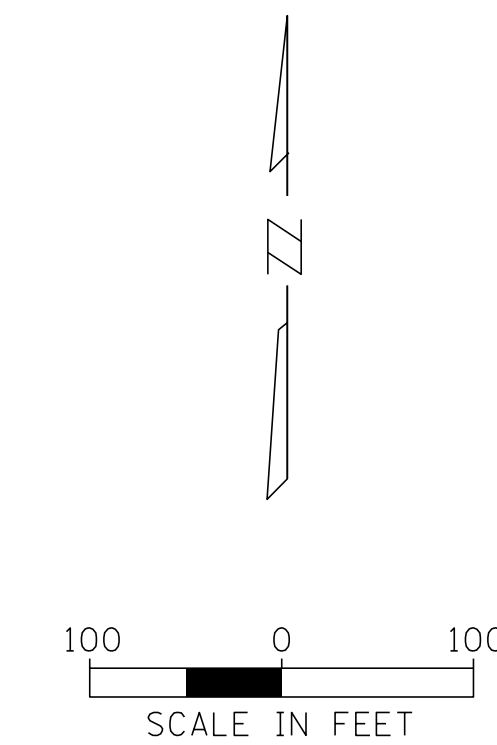
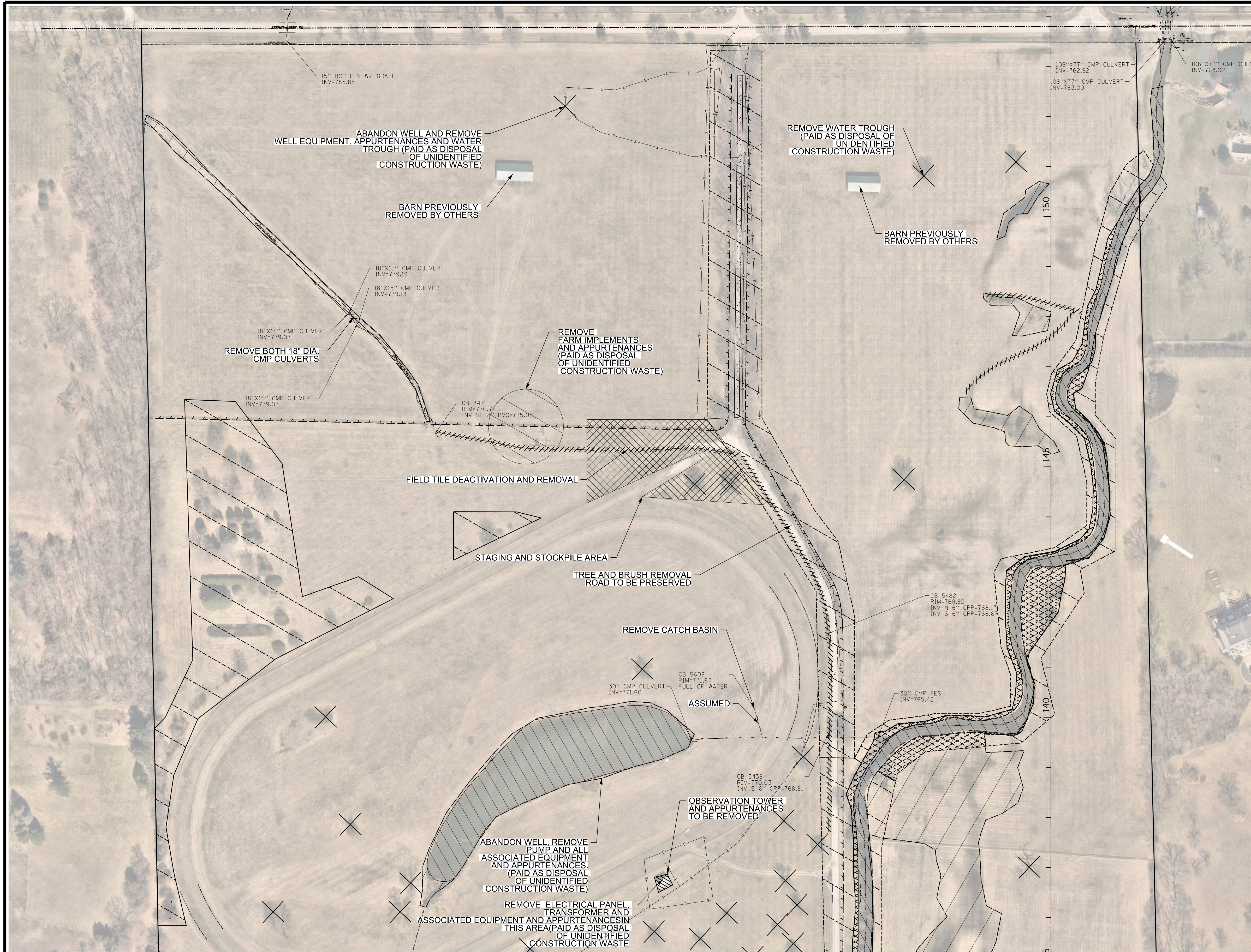
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CLIENT:  
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NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
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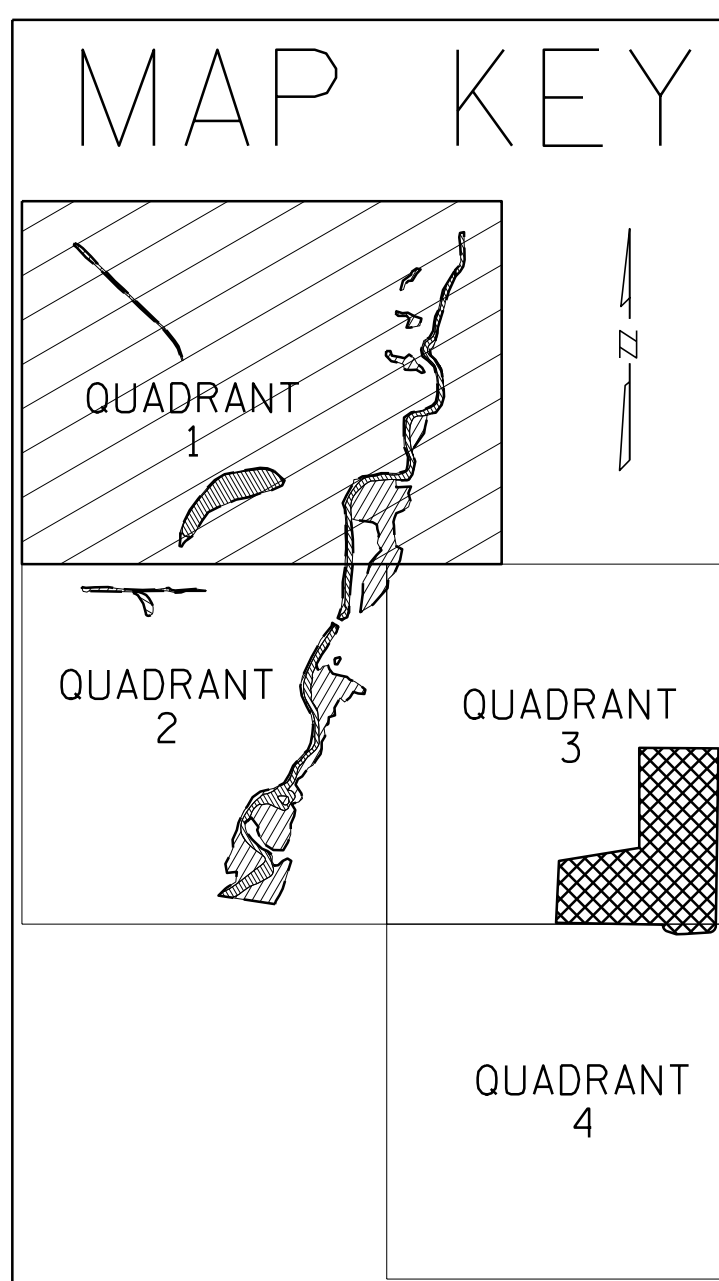
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**ALIGNMENT, TIES AND BENCHMARKS**

PROJ. NO. 220537  
 DATE: 11/18/24 BID  
 SHEET 5 OF 36  
 DRAWING NO.



**LEGEND**

	TREE AND BRUSH REMOVAL (PAID AS TREE REMOVAL, ACRES)
	CLEARING AND GRUBBING & SELECTIVE CLEARING (STREAM CORRIDOR)
	ASPHALT/STONE ROAD REMOVAL (PAID AS PAVEMENT REMOVAL)
	EXISTING DRAINFIELD
	AQUATIC WETLANDS
	RIPARIAN WETLANDS
	STAGING - STOCKPILING AREA
	EXISTING POWER LINE
	EXISTING DRAIN TILE
	FIELD TILE DEACTIVATION AND REMOVAL
	TREE REMOVAL (PAID AS TREE REMOVAL, ACRES)



MATCH LINE – SEE REMOVAL PLAN 2 | MATCH LINE – SEE REMOVAL PLAN 3

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NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
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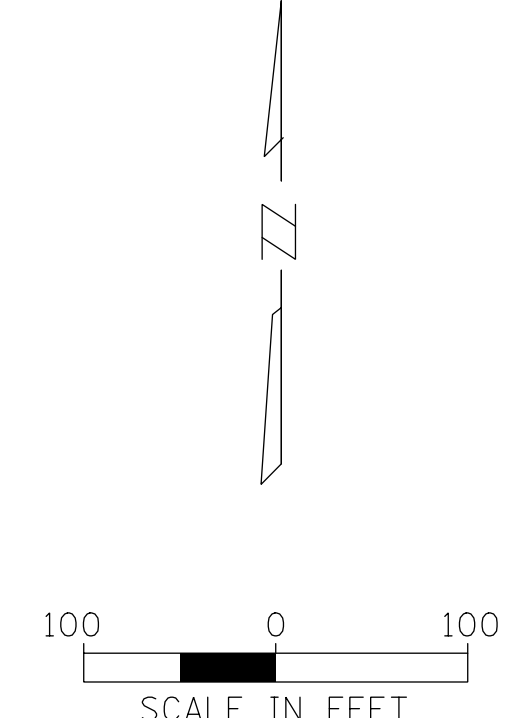
**REMOVAL PLAN  
 PANEL 1**

PROJ. NO. 220537  
 DATE: 11/18/24 BID  
 SHEET 6 OF 36  
 DRAWING NO.

**MATCH LINE – SEE REMOVAL PLAN 1**

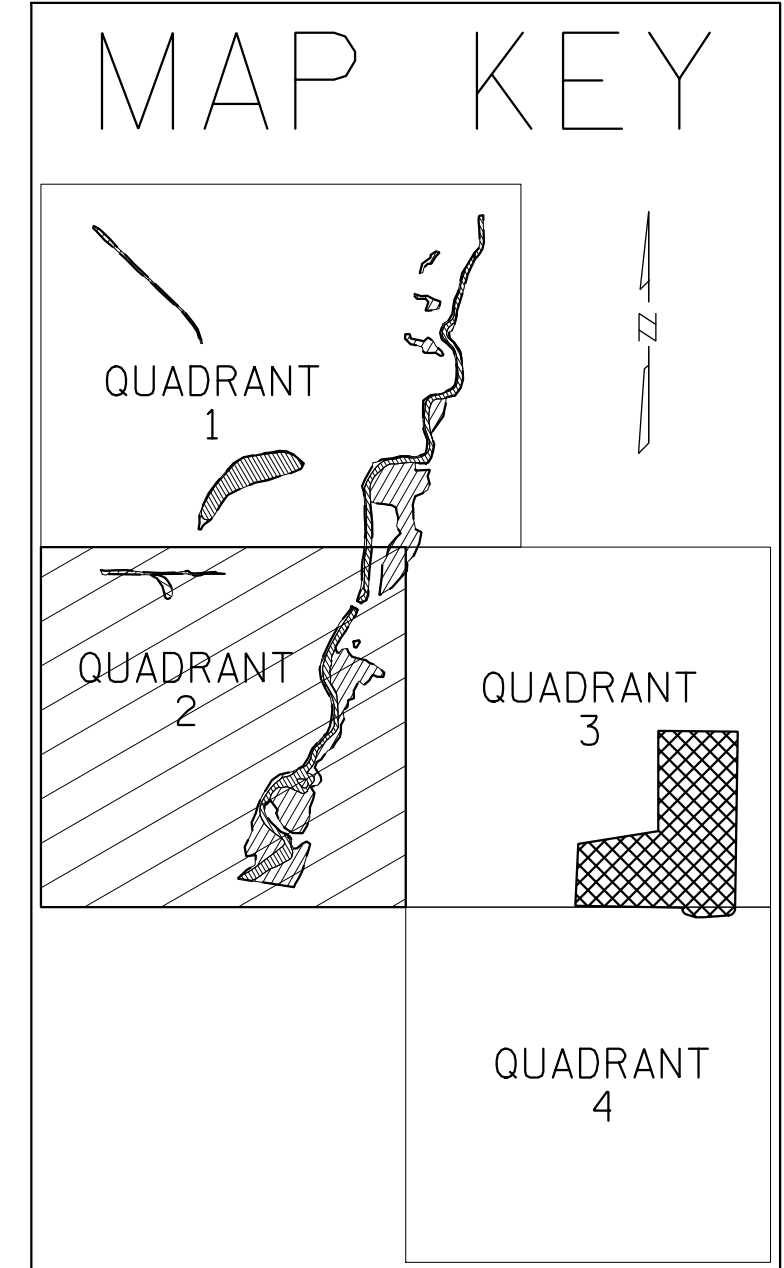


**MATCH LINE – SEE REMOVAL PLAN 3**



**LEGEND**

	TREE AND BRUSH REMOVAL (PAID AS TREE REMOVAL, ACRES)
	CLEARING AND GRUBBING & SELECTIVE CLEARING (STREAM CORRIDOR)
	ASPHALT/STONE ROAD REMOVAL (PAID AS PAVEMENT REMOVAL)
	EXISTING DRAINFIELD
	AQUATIC WETLANDS
	RIPARIAN WETLANDS
	STAGING - STOCKPILING AREA
	EXISTING POWER LINE
	EXISTING DRAIN TILE
	FIELD TILE DEACTIVATION AND REMOVAL
	TREE REMOVAL (PAID AS TREE REMOVAL, ACRES)



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 459 West Hwy. 22, Barrington, IL., 60010

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
				Default

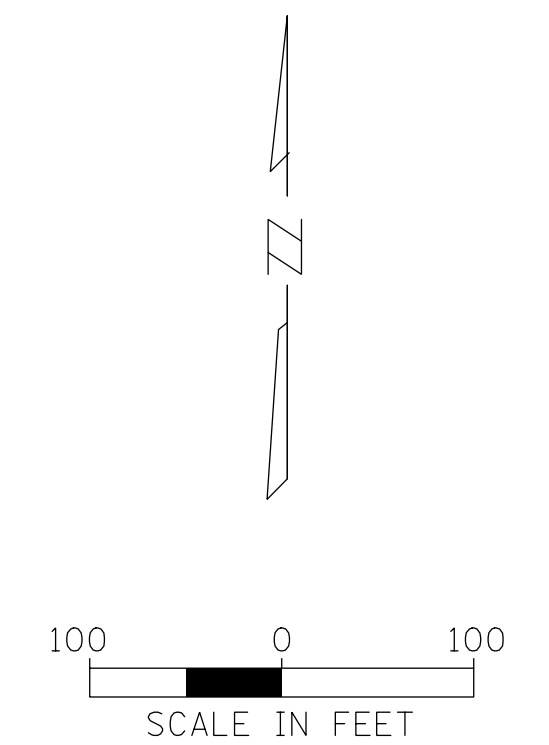
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DWN.	MJ		DATE:	11/18/24 BID
CHKD.	MAG		SHEET	7 OF 36
SCALE:	100'		DRAWING NO.	
PLOT DATE:	11/19/2024			

MATCH LINE – SEE REMOVAL PLAN 1

MATCH LINE – SEE REMOVAL PLAN 2

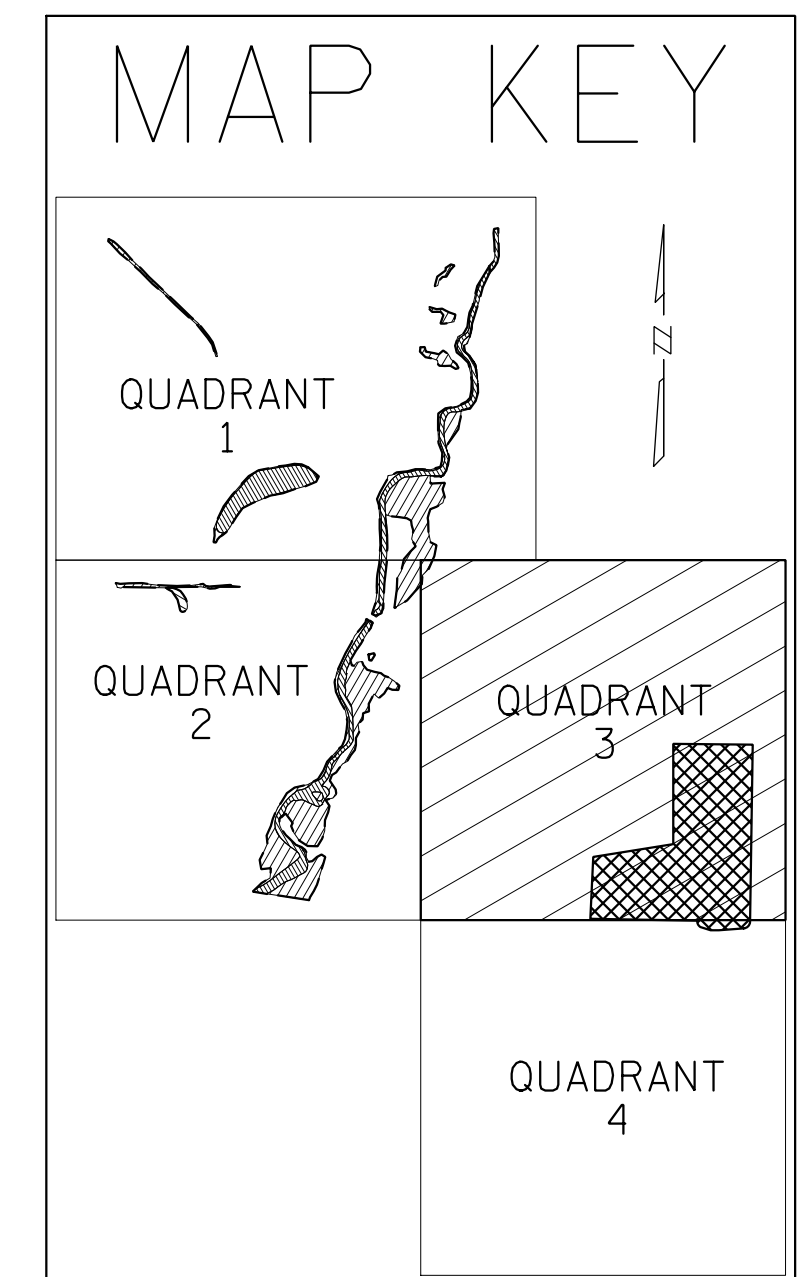


MATCH LINE – SEE REMOVAL PLAN 4



**LEGEND**

	TREE AND BRUSH REMOVAL (PAID AS TREE REMOVAL, ACRES)
	CLEARING AND GRUBBING & SELECTIVE CLEARING (STREAM CORRIDOR)
	ASPHALT/STONE ROAD REMOVAL (PAID AS PAVEMENT REMOVAL)
	EXISTING DRAINFIELD
	AQUATIC WETLANDS
	RIPARIAN WETLANDS
	STAGING - STOCKPILING AREA
	EXISTING POWER LINE
	EXISTING DRAIN TILE
	FIELD TILE DEACTIVATION AND REMOVAL
	TREE REMOVAL (PAID AS TREE REMOVAL, ACRES)



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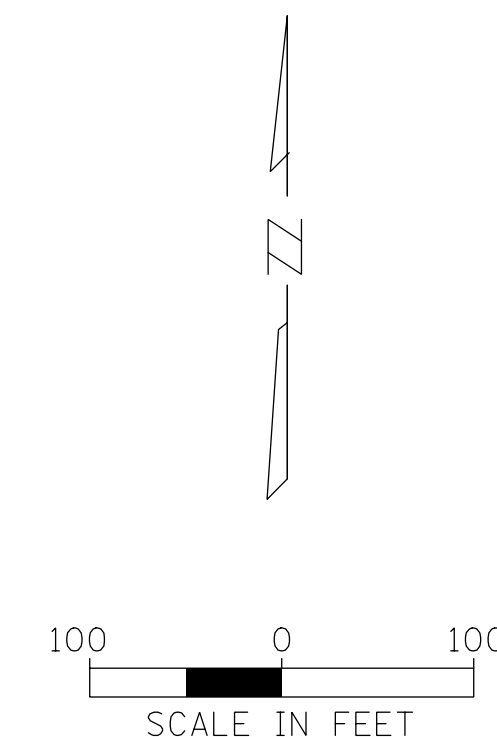
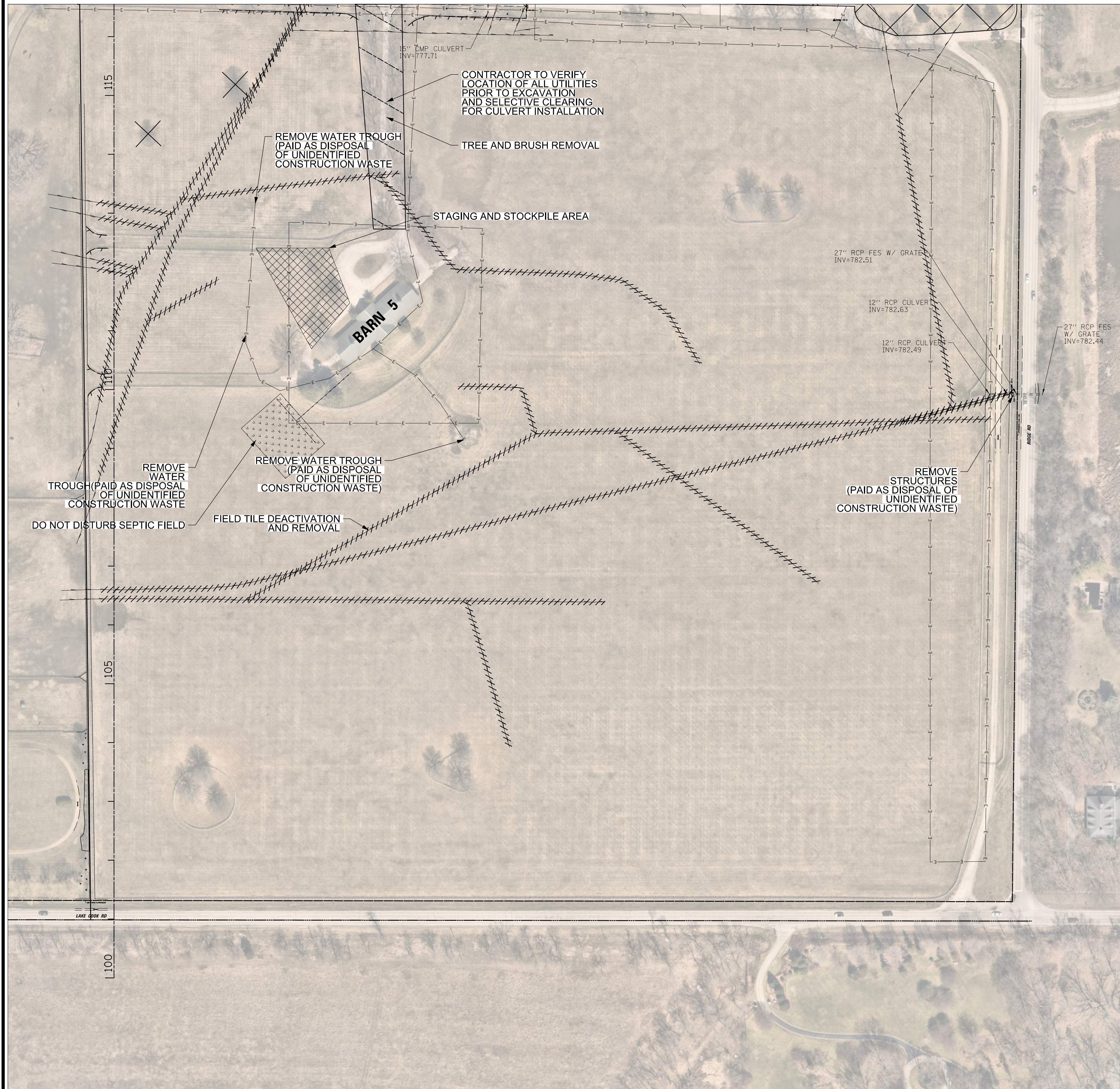
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TITLE:  
**REMOVAL PLAN  
 PANEL 3**

PROJ. NO. 220537  
 DATE: 11/18/24 BID  
 SHEET 8 OF 36  
 DRAWING NO.

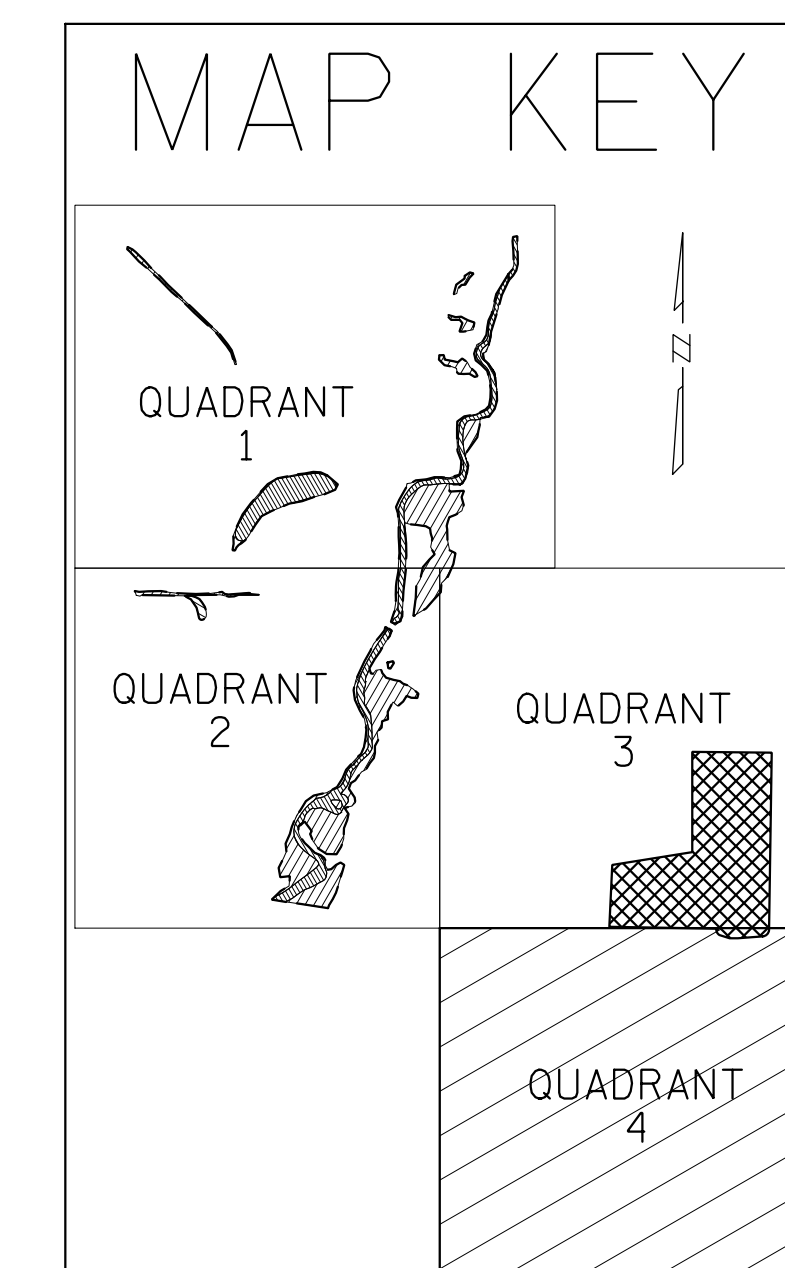


**MATCH LINE – SEE REMOVAL PLAN 3**



**LEGEND**

	TREE AND BRUSH REMOVAL (PAID AS TREE REMOVAL, ACRES)
	CLEARING AND GRUBBING & SELECTIVE CLEARING (STREAM CORRIDOR)
	ASPHALT/STONE ROAD REMOVAL (PAID AS PAVEMENT REMOVAL)
	EXISTING DRAINFIELD
	AQUATIC WETLANDS
	RIPARIAN WETLANDS
	STAGING - STOCKPILING AREA
	EXISTING POWER LINE
	EXISTING DRAIN TILE
	FIELD TILE DEACTIVATION AND REMOVAL
	TREE REMOVAL (PAID AS TREE REMOVAL, ACRES)



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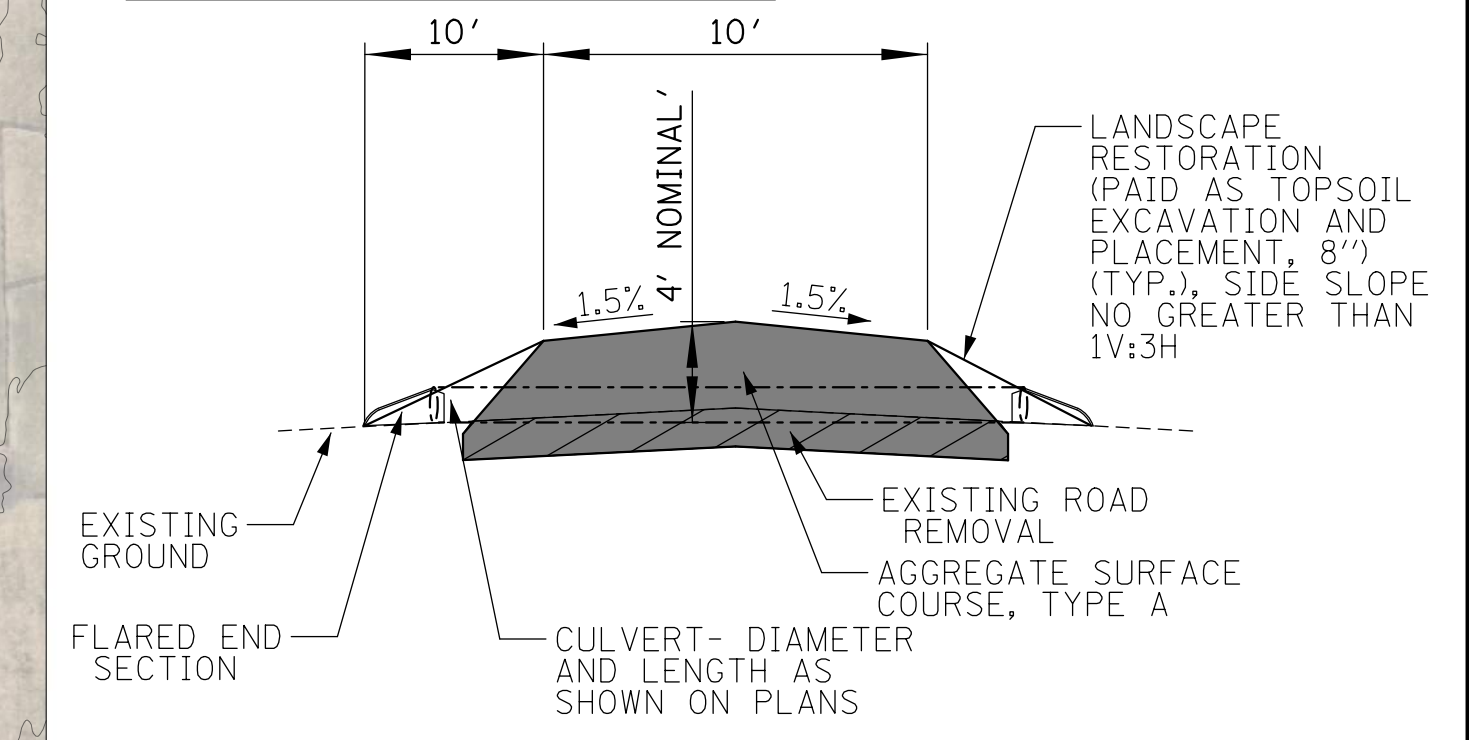
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PROJ. NO.		220537
DATE:		11/18/24 BID
SHEET		9 OF 36
DRAWING NO.		



### LEGEND

- AQUATIC WETLANDS
- RIPARIAN WETLANDS
- DISTURBANCE LIMITS
- NO DISTURBANCE AREA
- PROPOSED CONTOURS
- CBBEL / MCHENRY COUNTY CONTOUR SURVEY BOUNDARY
- ROW

SCALE IN FEET



**SECTION A-A TYPICAL CULVERT PLACEMENT**

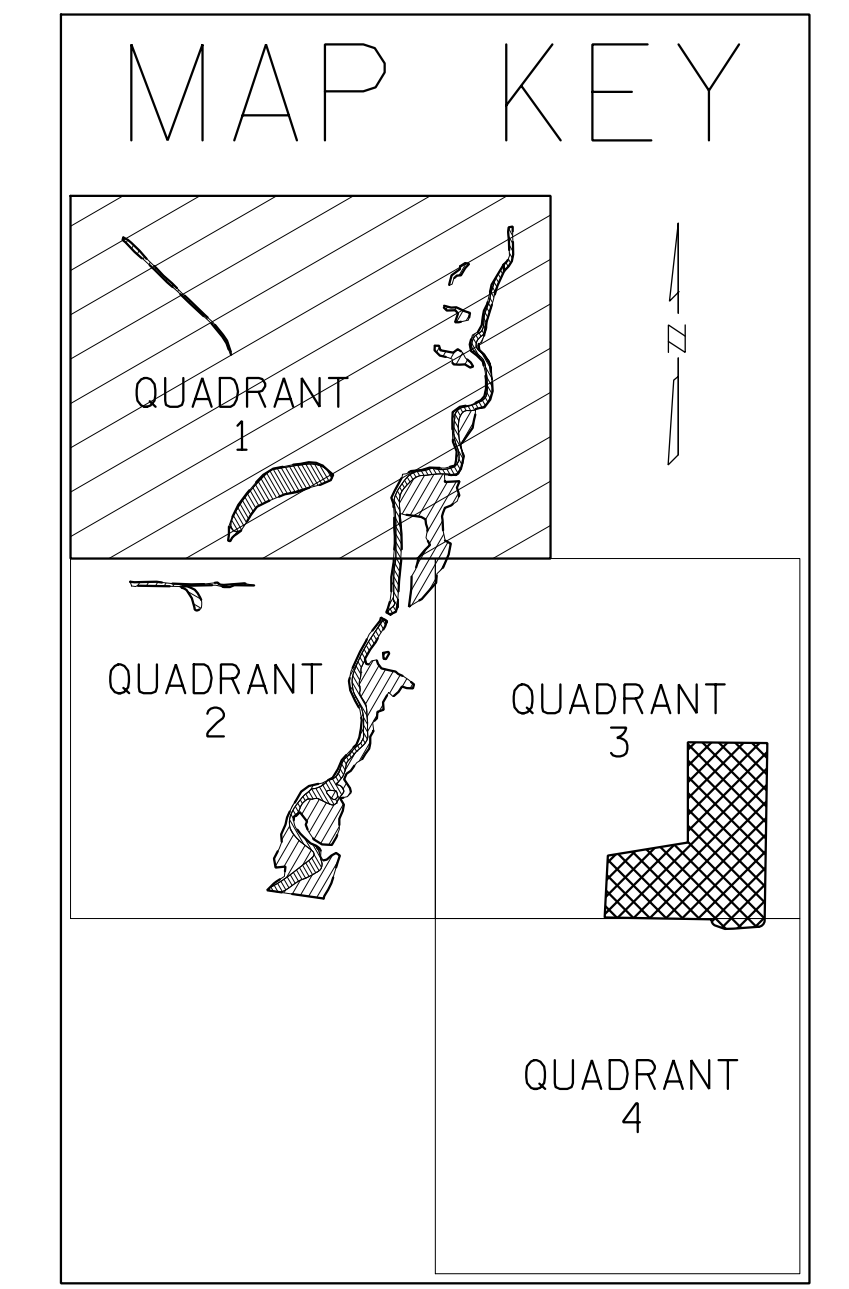
NOTES:  
 PROPOSED CULVERT TO BE TRENCHED IN PLACE ONCE AGGREGATE SURFACE IS BUILT UP AND COMPACTED TO 24" ABOVE UPSTREAM INVERT

N.T.S.

NOTES:  
 ALL FENCE ROWS ASSOCIATED WITH PASTURES AND CORALS SHALL BE GRADED TO MATCH SURROUNDING GRADE.

ALL SWALES IN AND AROUND CORALS AND PASTURES, DRIVEWAYS, ROADS, OPEN FIELDS SHALL BE LEVELED TO MATCH EXISTING GRADE.

ALL PROPOSED CATCH BASINS SHALL HAVE OPEN (BEEHIVE) GRATES



MATCH LINE - SEE PROPOSED PLAN 2      MATCH LINE - SEE PROPOSED PLAN 3

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CLIENT:  
**Citizens for Conservation**  
 459 West Hwy. 22, Barrington, IL., 60010

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
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DSGN. JA  
 DWN. MJ  
 CHKD. MAG  
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 PLOT DATE: 11/19/2024  
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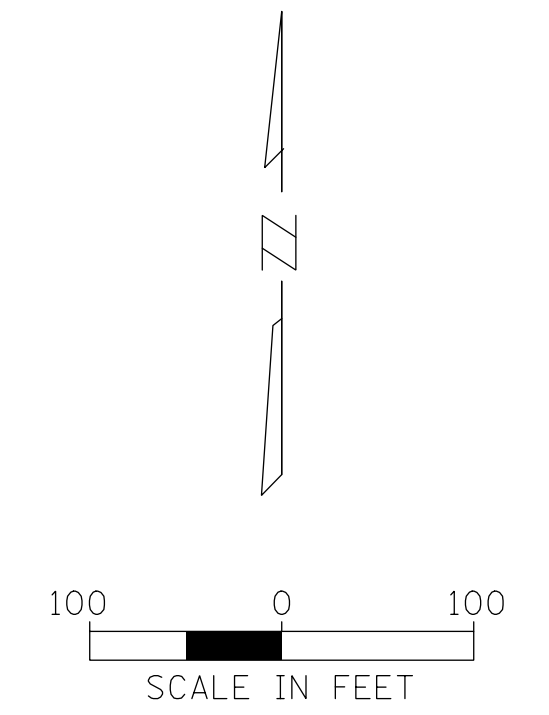
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**PROPOSED PLAN PANEL 1**

PROJ. NO. 220537  
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 SHEET 10 OF 36  
 DRAWING NO.

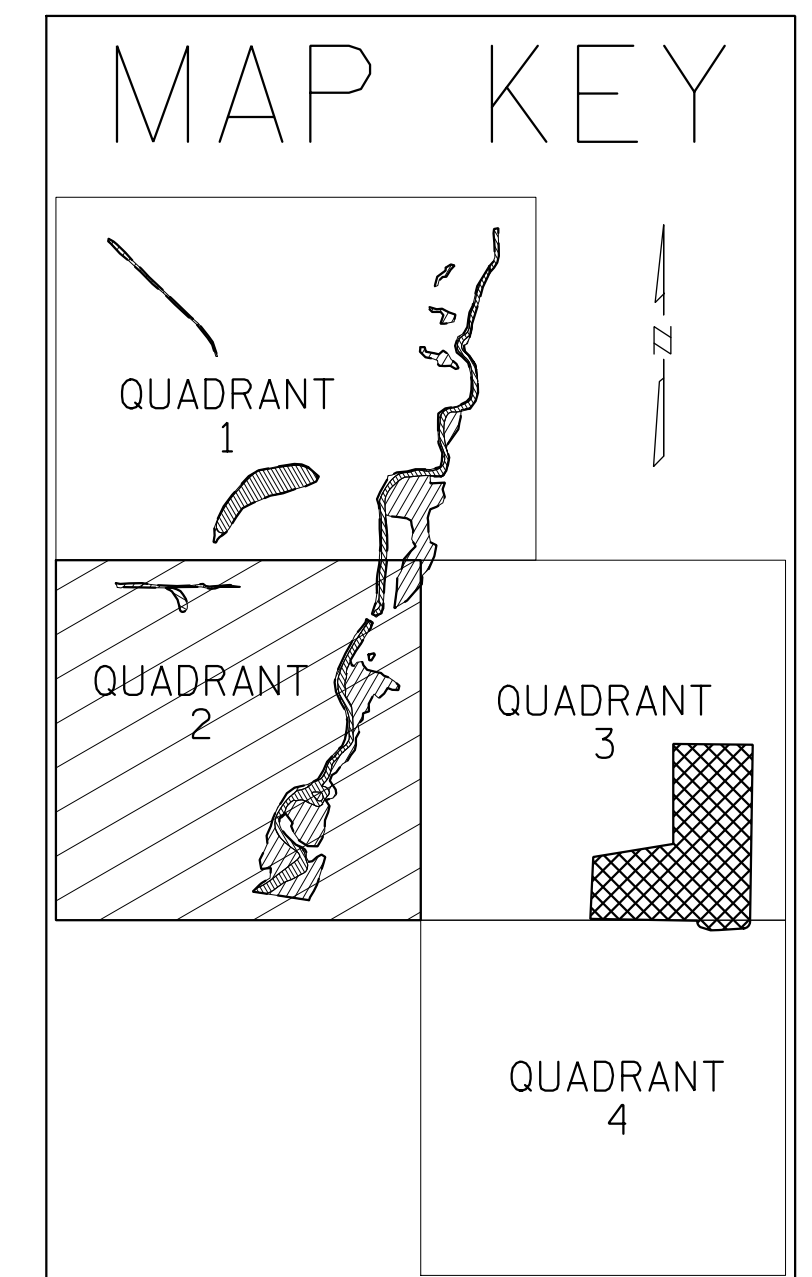
MATCH LINE – SEE PROPOSED PLAN 1



MATCH LINE – SEE PROPOSED PLAN 3



LEGEND	
	AQUATIC WETLANDS
	RIPARIAN WETLANDS
	DISTURBANCE LIMITS
	NO DISTURBANCE AREA
	PROPOSED CONTOURS
	CBBEL / MCHENRY COUNTY CONTOUR SURVEY BOUNDARY
	ROW



NOTES:  
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459 West Hwy. 22, Barrington, IL., 60010

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
				Default

DSGN.	JA	TITLE:
DWN.	MJ	
CHKD.	MAG	
SCALE:	100'	
PLOT DATE:	11/19/2024	
CAD USER:	mgratzke	
MODEL:	Default	

**PROPOSED PLAN  
PANEL 2**

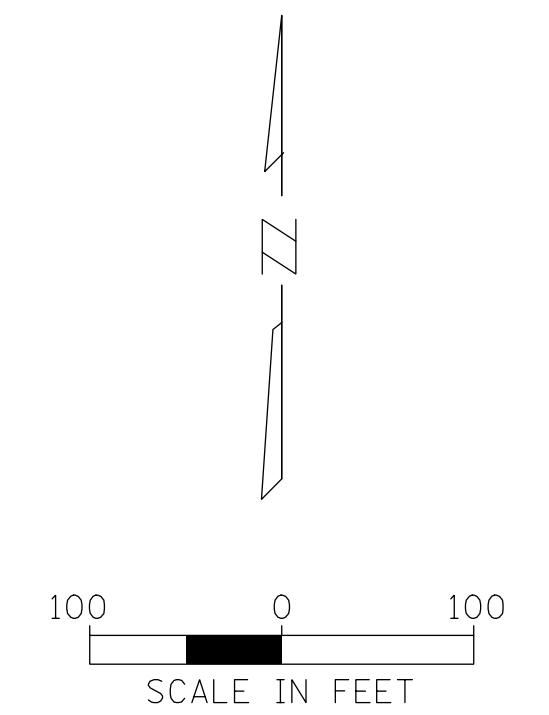
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SHEET 11 OF 36  
DRAWING NO.

MATCH LINE – SEE PROPOSED PLAN 1

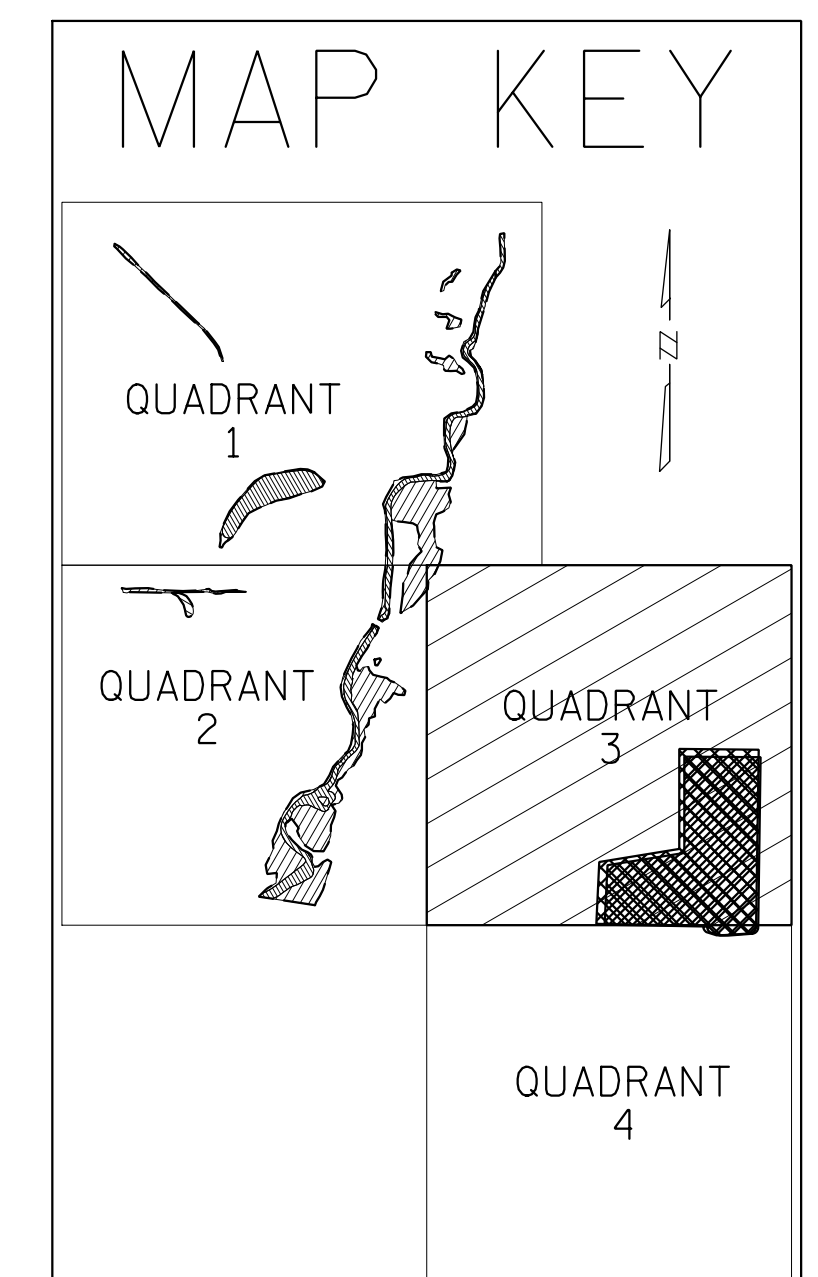
MATCH LINE – SEE PROPOSED PLAN 2



MATCH LINE – SEE PROPOSED PLAN 4



LEGEND	
	AQUATIC WETLANDS
	RIPARIAN WETLANDS
	DISTURBANCE LIMITS
	NO DISTURBANCE AREA
	PROPOSED CONTOURS
	CBBEL / MCHENRY COUNTY CONTOUR SURVEY BOUNDARY
	ROW



NOTES:  
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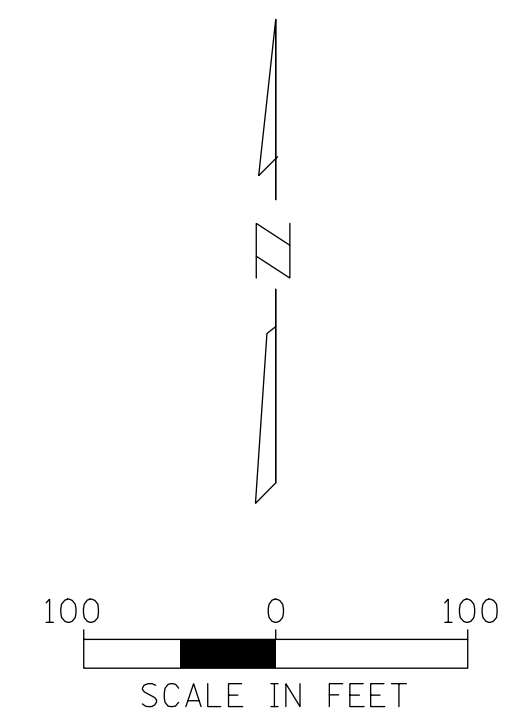
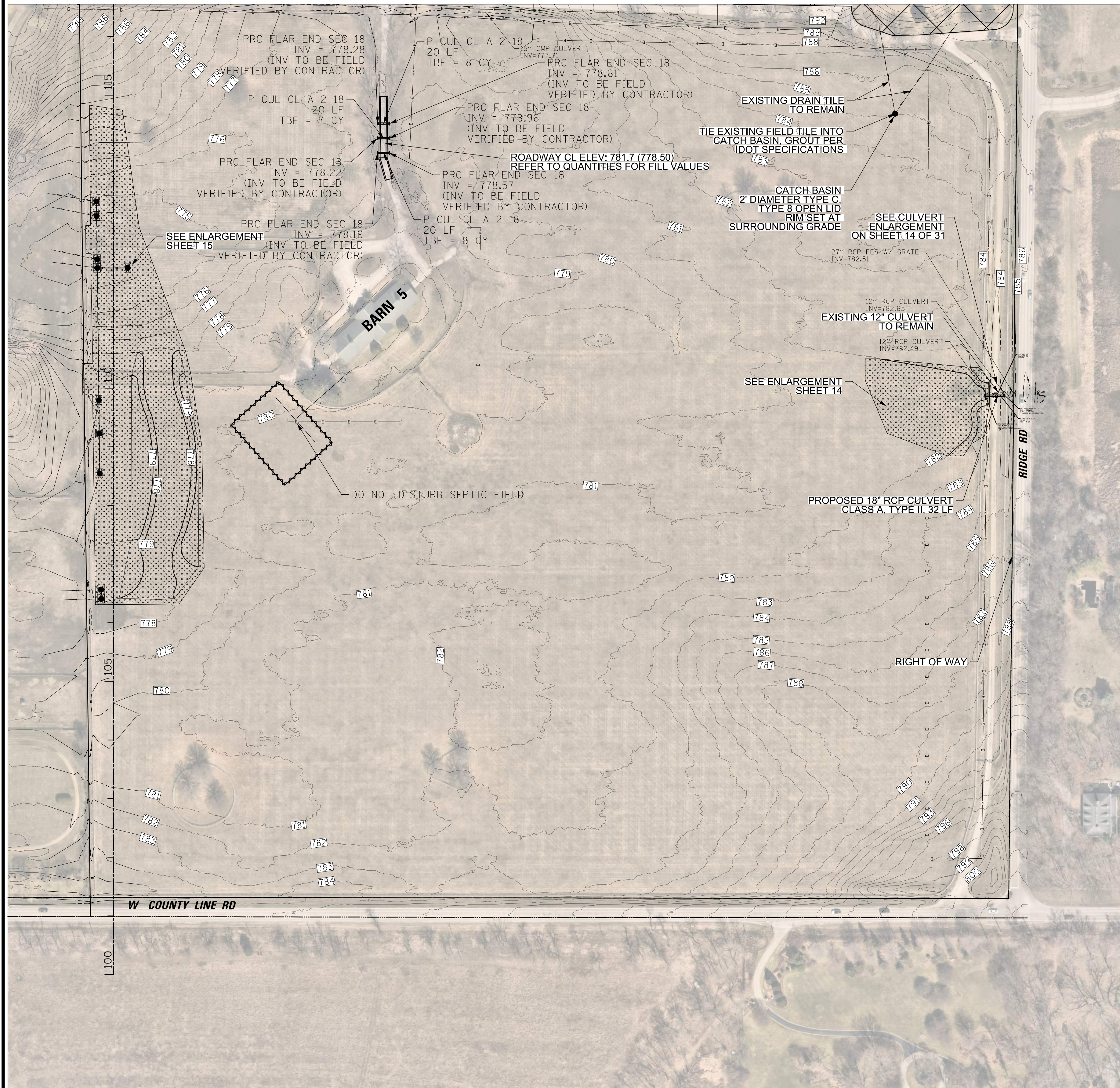
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CLIENT:  
**Citizens for Conservation**  
459 West Hwy. 22, Barrington, IL., 60010

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
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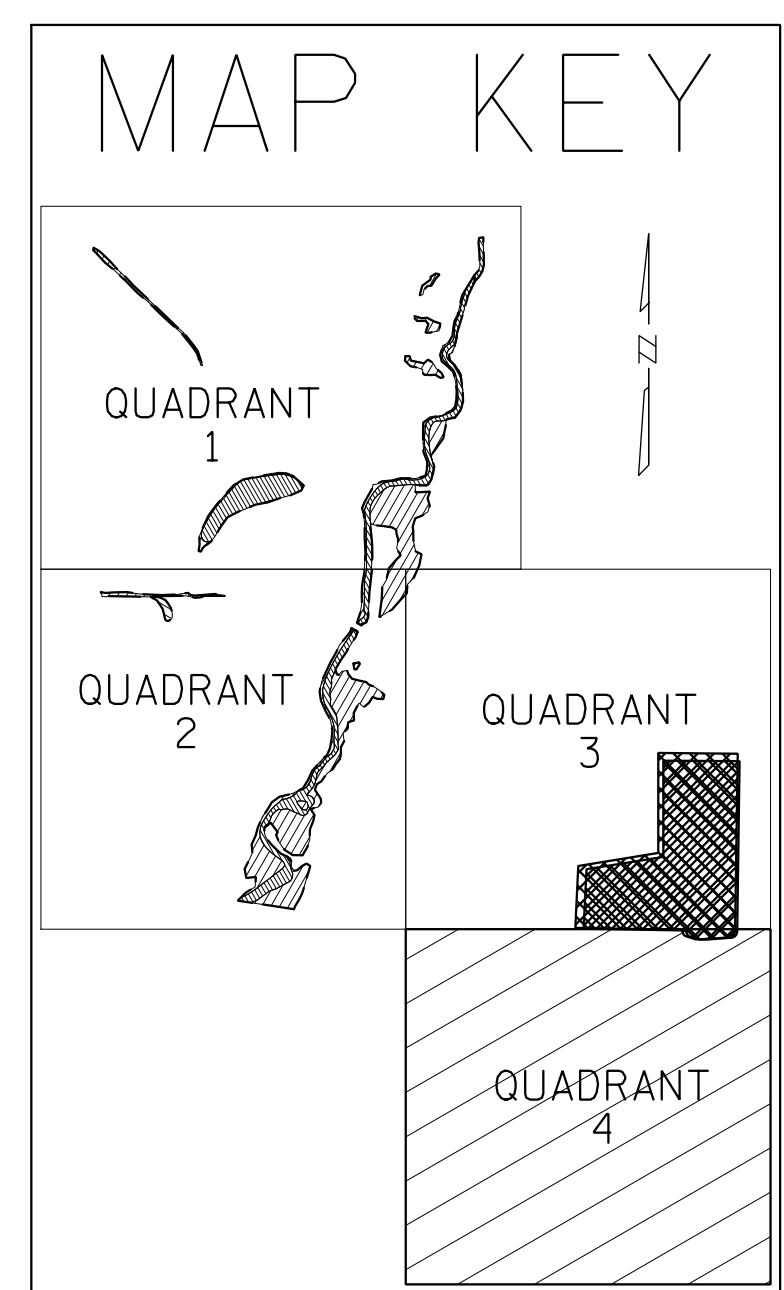
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CHKD. MAG	
SCALE: 100'	
PLOT DATE: 11/19/2024	
CAD USER: mgratzke	
FILE NAME: N:\MCHENRY\220537\CIVIL\PRO_03_220537.sht	PROJ. NO. 220537
	DATE: 11/18/24 BID
	SHEET 12 OF 36
	DRAWING NO.

**MATCH LINE – SEE PROPOSED PLAN 3**



**LEGEND**

- AQUATIC WETLANDS
- RIPARIAN WETLANDS
- DISTURBANCE LIMITS
- NO DISTURBANCE AREA
- PROPOSED CONTOURS
- CBBEL / MCHENRY COUNTY CONTOUR SURVEY BOUNDARY
- ROW



NOTES:  
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 ALL PROPOSED CATCH BASINS SHALL HAVE OPEN (BEEHIVE) GRATES

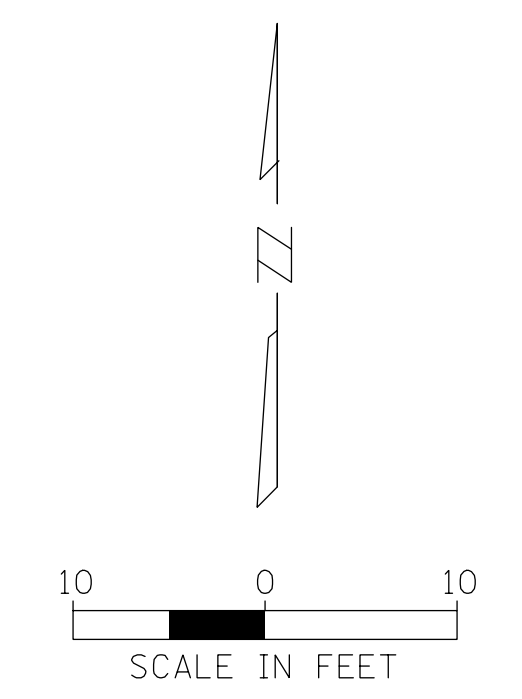
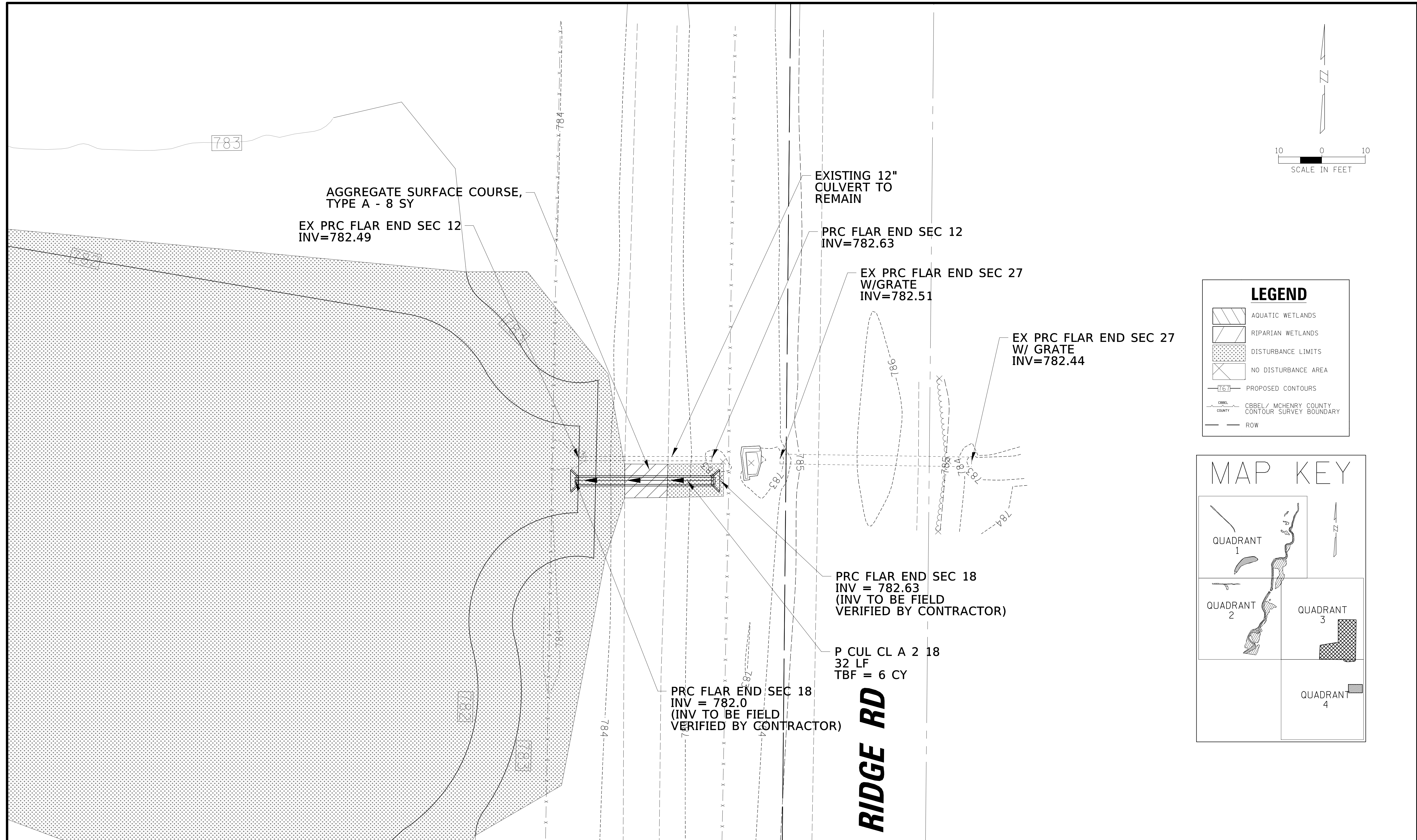
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CLIENT:  
**Citizens for Conservation**  
 459 West Hwy. 22, Barrington, IL., 60010

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
				Default

TITLE:  
**PROPOSED PLAN  
 PANEL 4**

PROJ. NO. 220537  
 DATE: 11/18/24 BID  
 SHEET 13 OF 36  
 DRAWING NO.



**LEGEND**

- AQUATIC WETLANDS
- RIPARIAN WETLANDS
- DISTURBANCE LIMITS
- NO DISTURBANCE AREA
- PROPOSED CONTOURS
- CBBEL / MCHENRY COUNTY CONTOUR SURVEY BOUNDARY
- ROW

**MAP KEY**

**CHRISTOPHER B. BURKE ENGINEERING, LTD.**  
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CLIENT:  
**Citizens for Conservation**  
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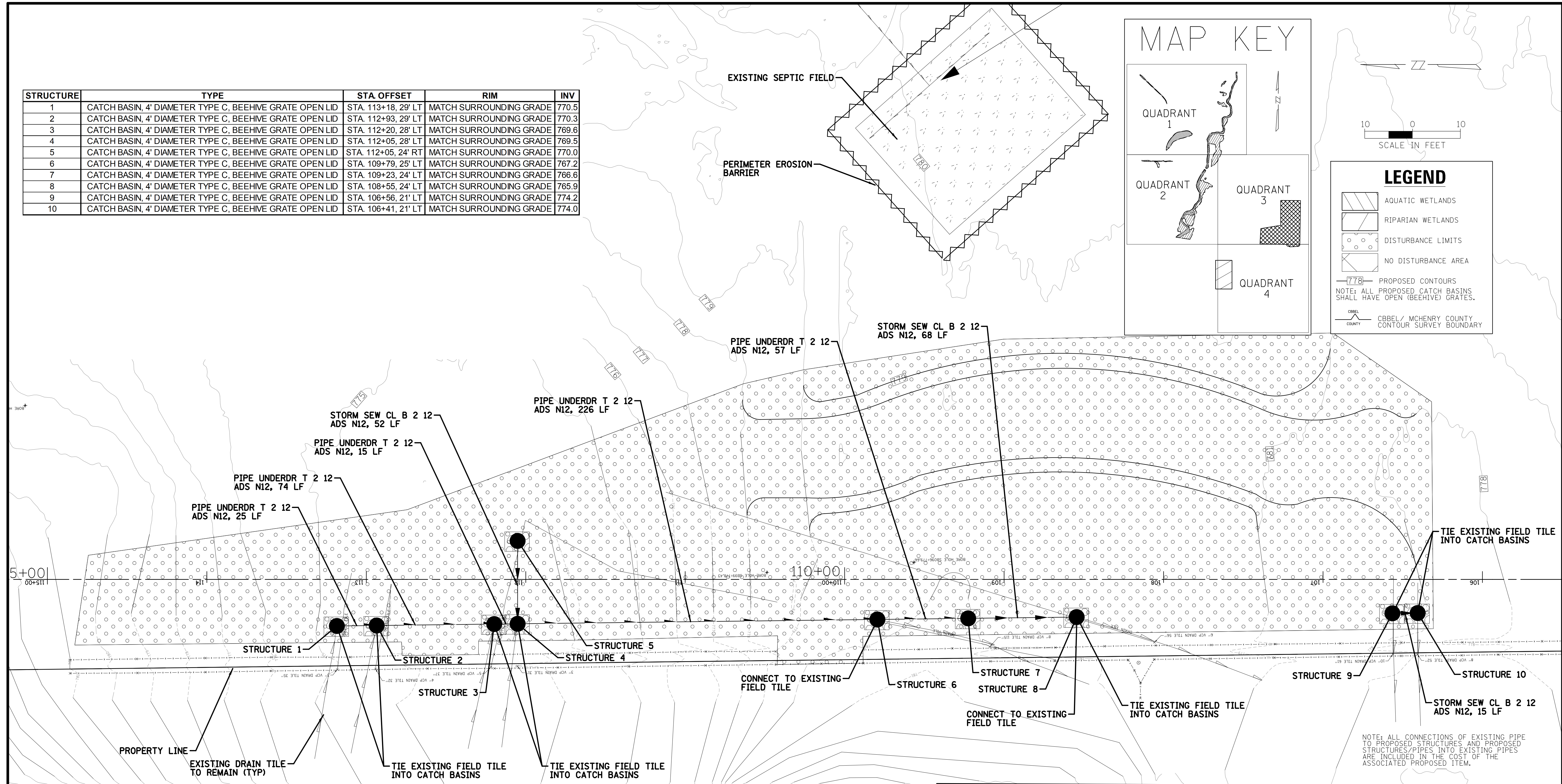
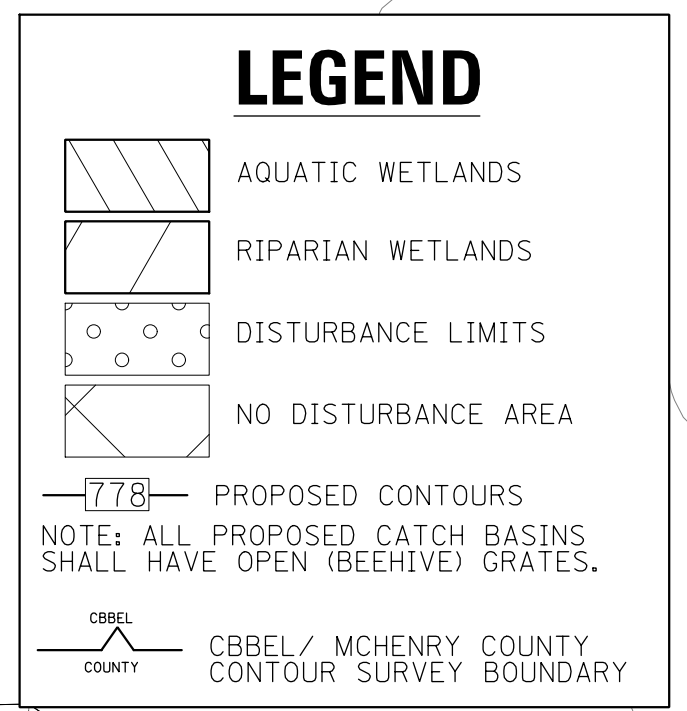
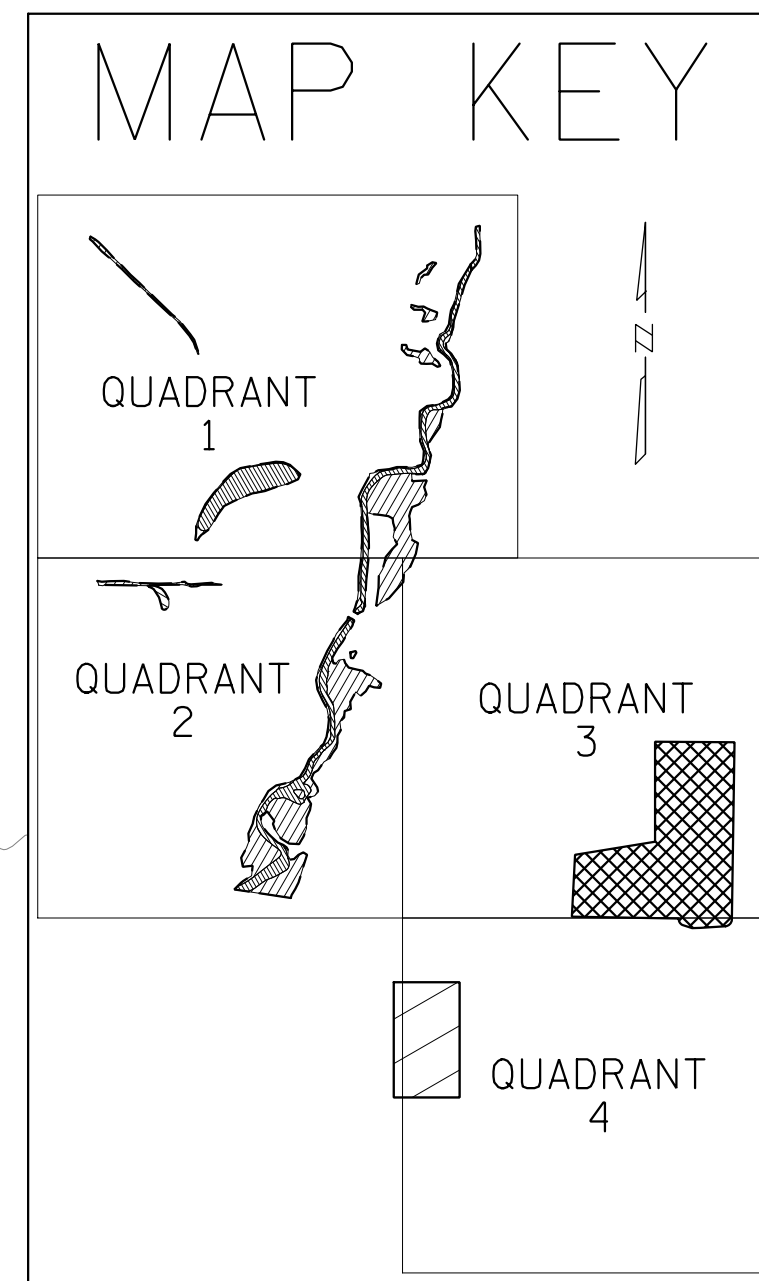
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DWN.	MJ
CHKD.	MAG
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PLOT DATE:	11/19/2024
CAD USER:	mgratzke
MODEL:	Default

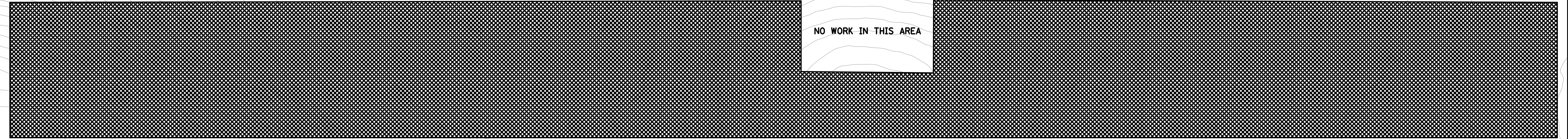
TITLE:  
**ROADWAY DETAIL**

PROJ. NO. 220537  
 DATE: 11/18/24 BID  
 SHEET 14 OF 36  
 DRAWING NO.

STRUCTURE	TYPE	STA OFFSET	RIM	INV
1	CATCH BASIN, 4' DIAMETER TYPE C, BEEHIVE GRATE OPEN LID	STA. 113+18, 29' LT	MATCH SURROUNDING GRADE	770.5
2	CATCH BASIN, 4' DIAMETER TYPE C, BEEHIVE GRATE OPEN LID	STA. 112+93, 29' LT	MATCH SURROUNDING GRADE	770.3
3	CATCH BASIN, 4' DIAMETER TYPE C, BEEHIVE GRATE OPEN LID	STA. 112+20, 28' LT	MATCH SURROUNDING GRADE	769.6
4	CATCH BASIN, 4' DIAMETER TYPE C, BEEHIVE GRATE OPEN LID	STA. 112+05, 28' LT	MATCH SURROUNDING GRADE	769.5
5	CATCH BASIN, 4' DIAMETER TYPE C, BEEHIVE GRATE OPEN LID	STA. 112+05, 24' RT	MATCH SURROUNDING GRADE	770.0
6	CATCH BASIN, 4' DIAMETER TYPE C, BEEHIVE GRATE OPEN LID	STA. 109+79, 25' LT	MATCH SURROUNDING GRADE	767.2
7	CATCH BASIN, 4' DIAMETER TYPE C, BEEHIVE GRATE OPEN LID	STA. 109+23, 24' LT	MATCH SURROUNDING GRADE	766.6
8	CATCH BASIN, 4' DIAMETER TYPE C, BEEHIVE GRATE OPEN LID	STA. 108+55, 24' LT	MATCH SURROUNDING GRADE	765.9
9	CATCH BASIN, 4' DIAMETER TYPE C, BEEHIVE GRATE OPEN LID	STA. 106+56, 21' LT	MATCH SURROUNDING GRADE	774.2
10	CATCH BASIN, 4' DIAMETER TYPE C, BEEHIVE GRATE OPEN LID	STA. 106+41, 21' LT	MATCH SURROUNDING GRADE	774.0



NOTE: ALL CONNECTIONS OF EXISTING PIPE TO PROPOSED STRUCTURES AND PROPOSED STRUCTURES/PIPES INTO EXISTING PIPES ARE INCLUDED IN THE COST OF THE ASSOCIATED PROPOSED ITEM.



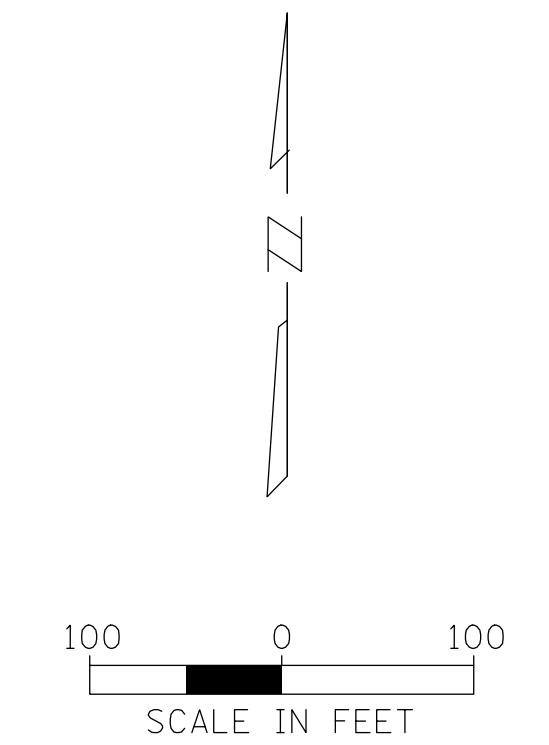
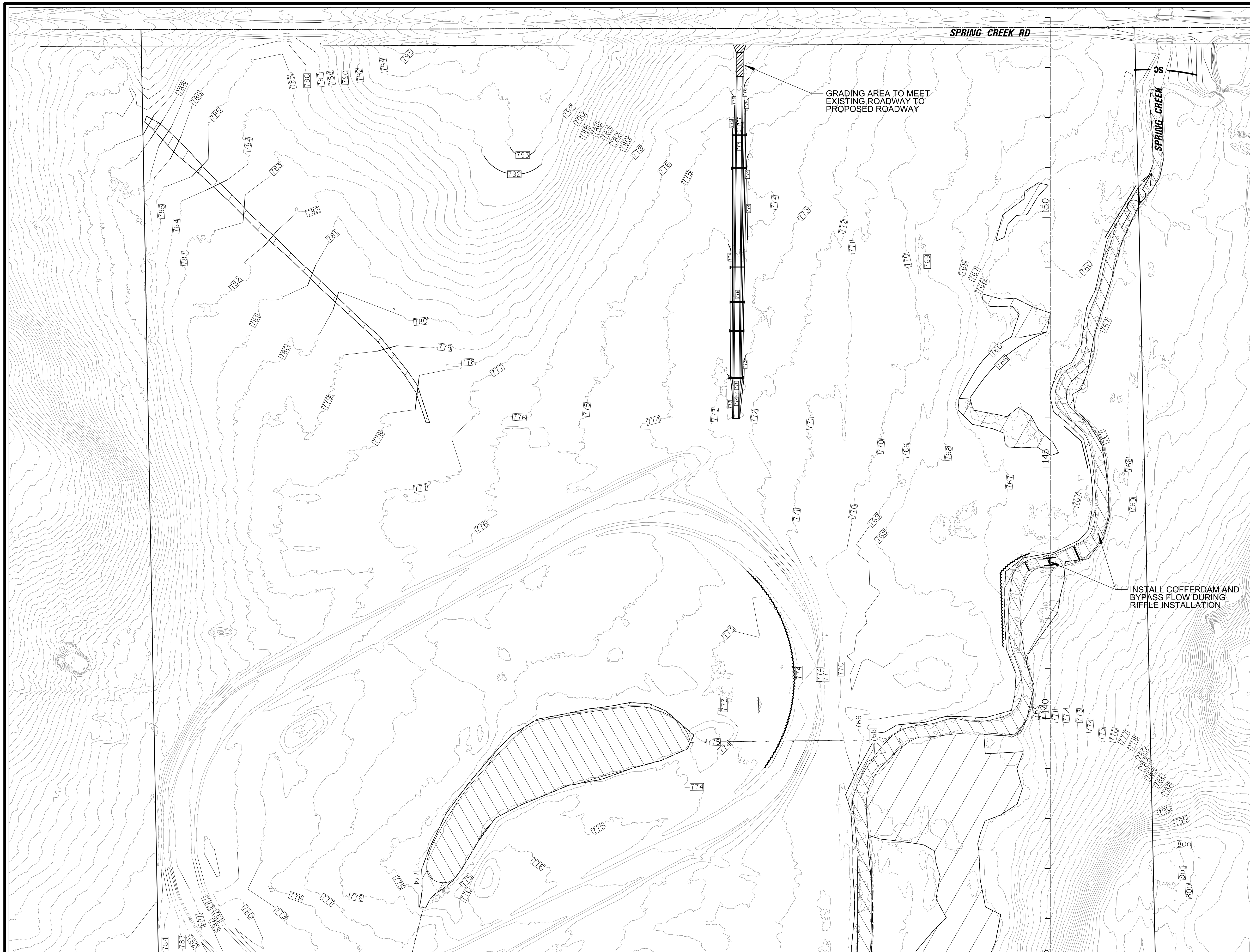
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 Rosemont, Illinois 60018  
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CLIENT:  
**Citizens for Conservation**  
 459 West Hwy. 22, Barrington, IL., 60010

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:

TITLE: **GRADING DETAIL**

PROJECT NO. 220537  
 DATE: 11/18/24 BID  
 SHEET 15 OF 36  
 DRAWING NO.



**LEGEND**

- PERIMETER EROSION BARRIER
- CBREL / MCHENRY COUNTY CONTOUR SURVEY BOUNDARY
- PROPOSED CONTOURS
- EXCLUDED AREA
- STABILIZED CONSTRUCTION ENTRANCE
- INLET/PIPE PROTECTION
- SILT CURTIN

NOTE: ALL PROPOSED CATCH BASINS SHALL HAVE OPEN (BEEHIVE) GRATES.  
SEE CREEK RESTORATION SHEETS FOR ADDITIONAL SEC ITEMS.

**MAP KEY**

MATCH LINE – SEE EROSION CONTROL PLAN PANEL 2    MATCH LINE – SEE EROSION CONTROL PLAN PANEL 3

**CHRISTOPHER B. BURKE ENGINEERING, LTD.**  
 9575 W. Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

CLIENT:  
**Citizens for Conservation**  
 459 West Hwy. 22, Barrington, IL., 60010

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
FILE NAME	N:\MCHENRY\220537\CIVINECP_01.220537.shx			

DSGN.	JA
DWN.	MJ
CHKD.	MAG
SCALE:	100'
PLOT DATE:	11/19/2024
CAD USER:	mgratzke
MODEL:	Default

TITLE:  
**SEDIMENT/EROSION CONTROL PLAN  
 PANEL 1**

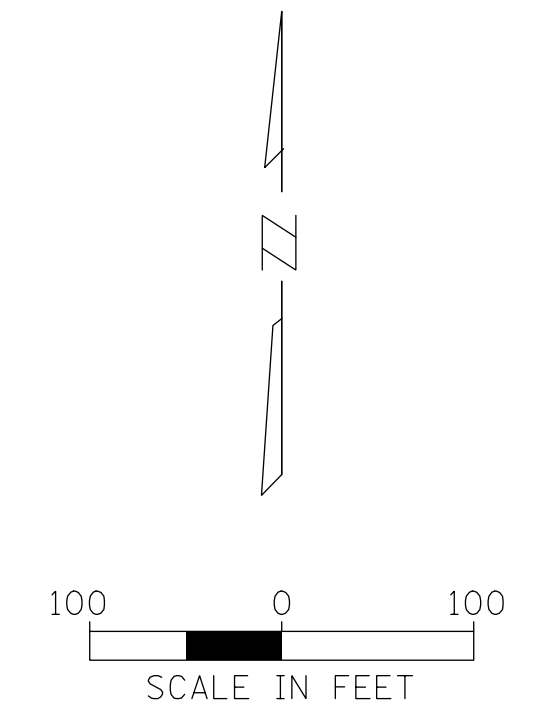
PROJ. NO. 220537  
 DATE: 11/18/24 BID  
 SHEET 16 OF 36  
 DRAWING NO.



**MATCH LINE – SEE EROSION CONTROL PLAN PANEL 1**



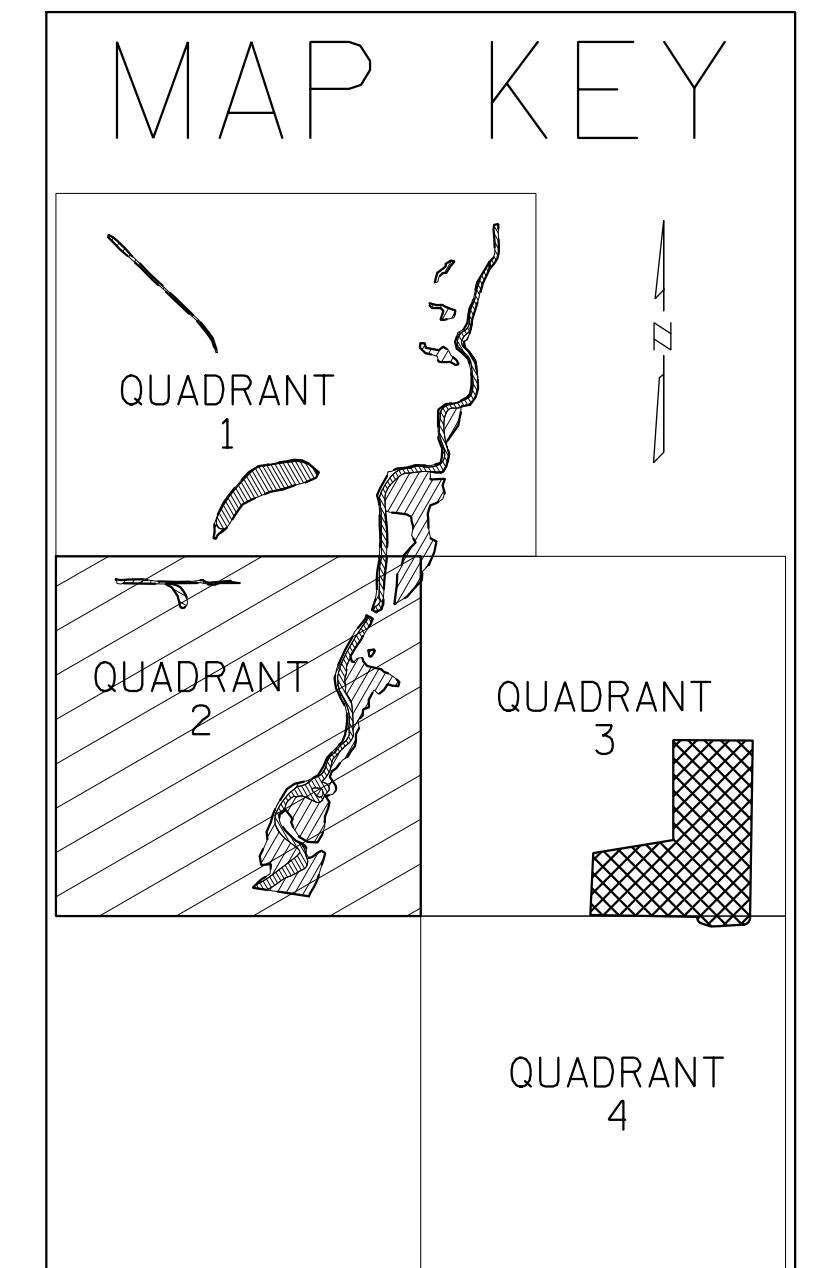
**MATCH LINE – SEE EROSION CONTROL PLAN PANEL 3**



**LEGEND**

- PERIMETER EROSION BARRIER
- CBEL/ MCHENRY COUNTY CONTOUR SURVEY BOUNDARY
- PROPOSED CONTOURS
- EXCLUDED AREA
- STABILIZED CONSTRUCTION ENTRANCE
- INLET/PIPE PROTECTION
- SILT CURTIN

NOTE: ALL PROPOSED CATCH BASINS SHALL HAVE OPEN (BEEHIVE) GRATES. SEE CREEK RESTORATION SHEETS FOR ADDITIONAL SEC ITEMS.



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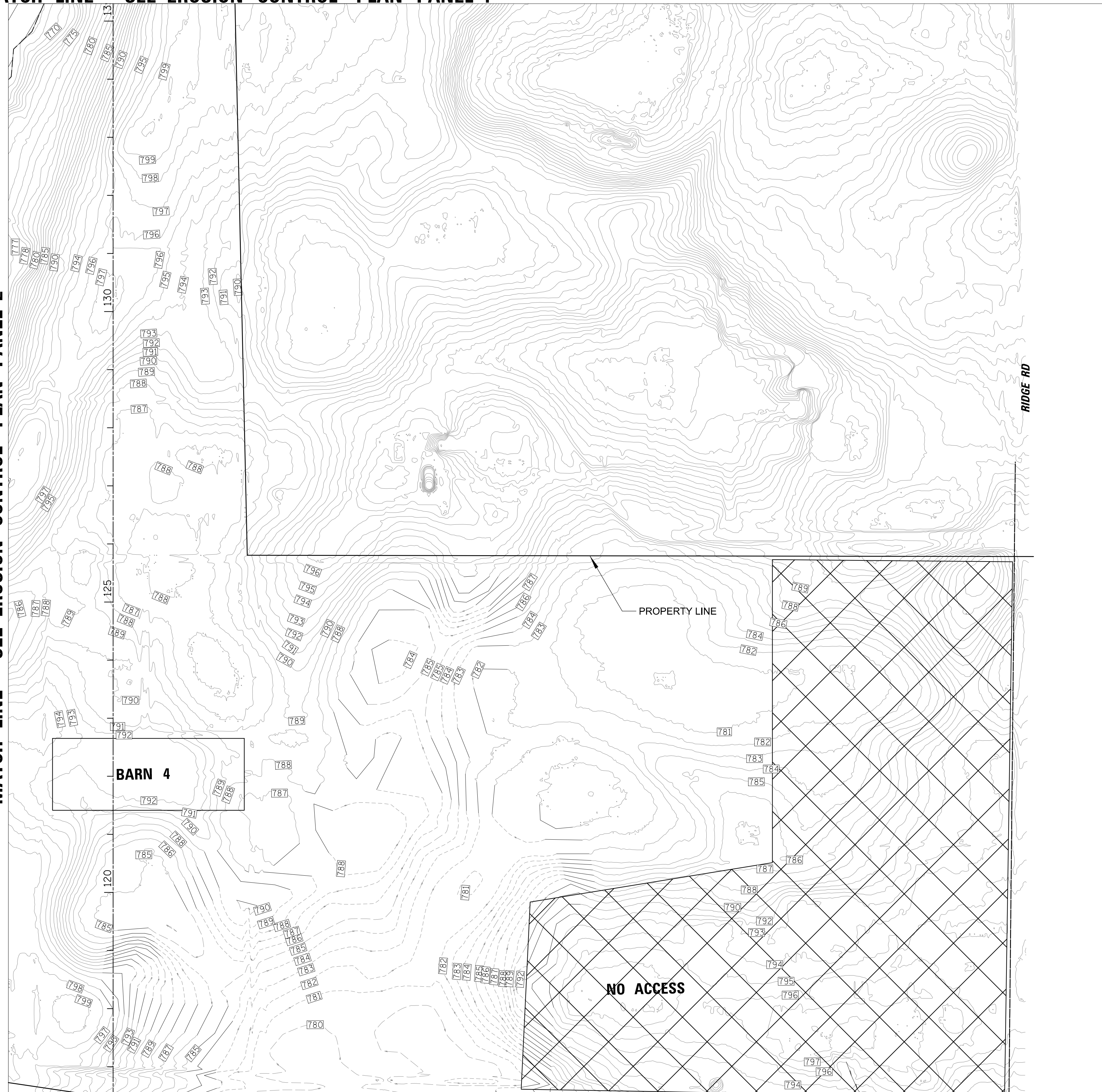
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FILE NAME	N:\MCHENRY\220537\CIVIL\ECP_02.220537.sht				

TITLE:  
**SEDIMENT/EROSION CONTROL PLAN  
 PANEL 2**

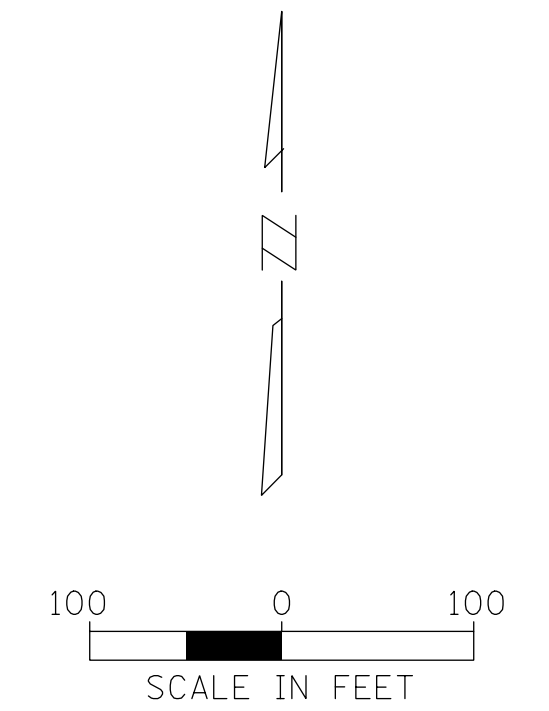
PROJ. NO. 220537  
 DATE: 11/18/24 BID  
 SHEET 17 OF 36  
 DRAWING NO.

MATCH LINE - SEE EROSION CONTROL PLAN PANEL 1

MATCH LINE - SEE EROSION CONTROL PLAN PANEL 2



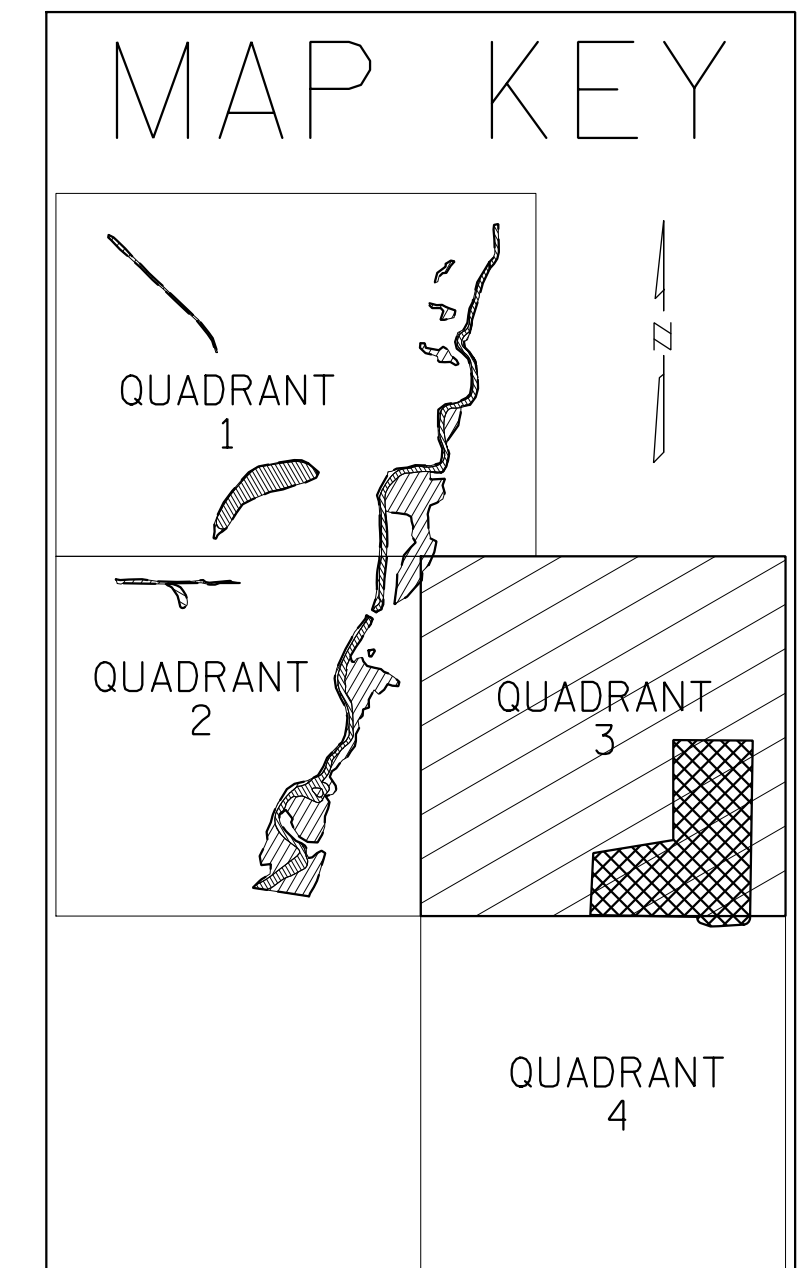
MATCH LINE - SEE EROSION CONTROL PLAN PANEL 4



**LEGEND**

- PERIMETER EROSION BARRIER
- CBBEL / MCHENRY COUNTY CONTOUR SURVEY BOUNDARY
- PROPOSED CONTOURS
- EXCLUDED AREA
- STABILIZED CONSTRUCTION ENTRANCE
- INLET/PIPE PROTECTION
- SILT CURTIN

NOTE: ALL PROPOSED CATCH BASINS SHALL HAVE OPEN (BEEHIVE) GRATES. SEE CREEK RESTORATION SHEETS FOR ADDITIONAL SEC ITEMS.



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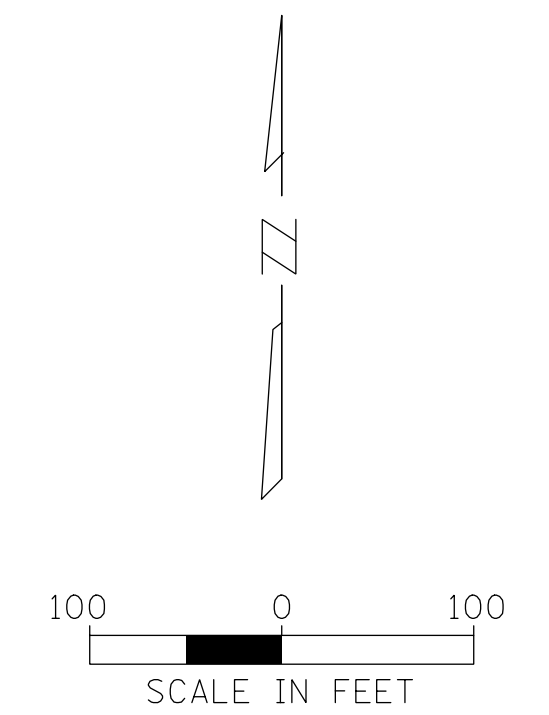
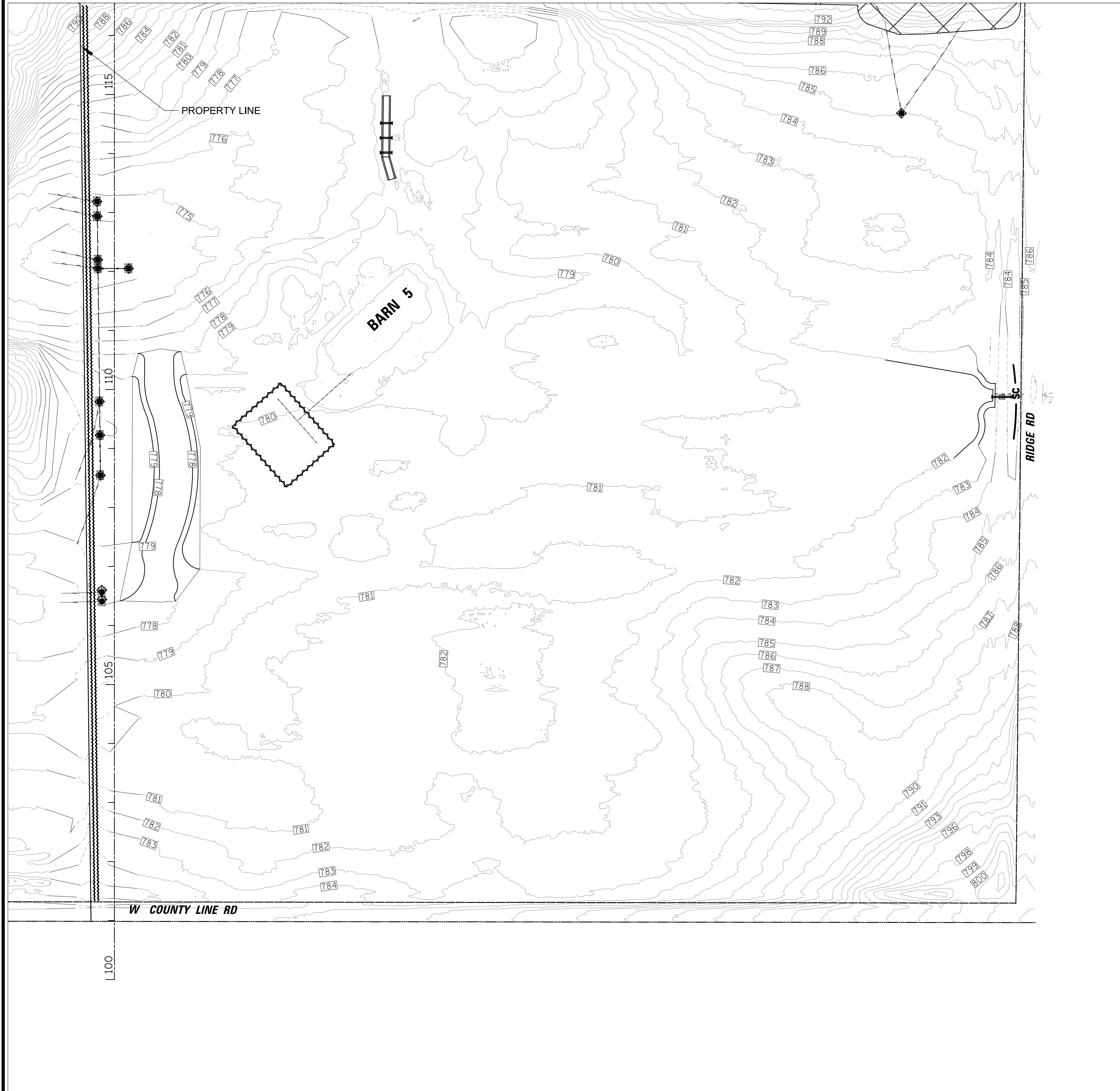
CLIENT:  
**Citizens for Conservation**  
 459 West Hwy. 22, Barrington, IL., 60010

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
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TITLE:  
**SEDIMENT/EROSION CONTROL PLAN  
 PANEL 3**

PROJ. NO. 220537  
 DATE: 11/18/24 BID  
 SHEET 18 OF 36  
 DRAWING NO.

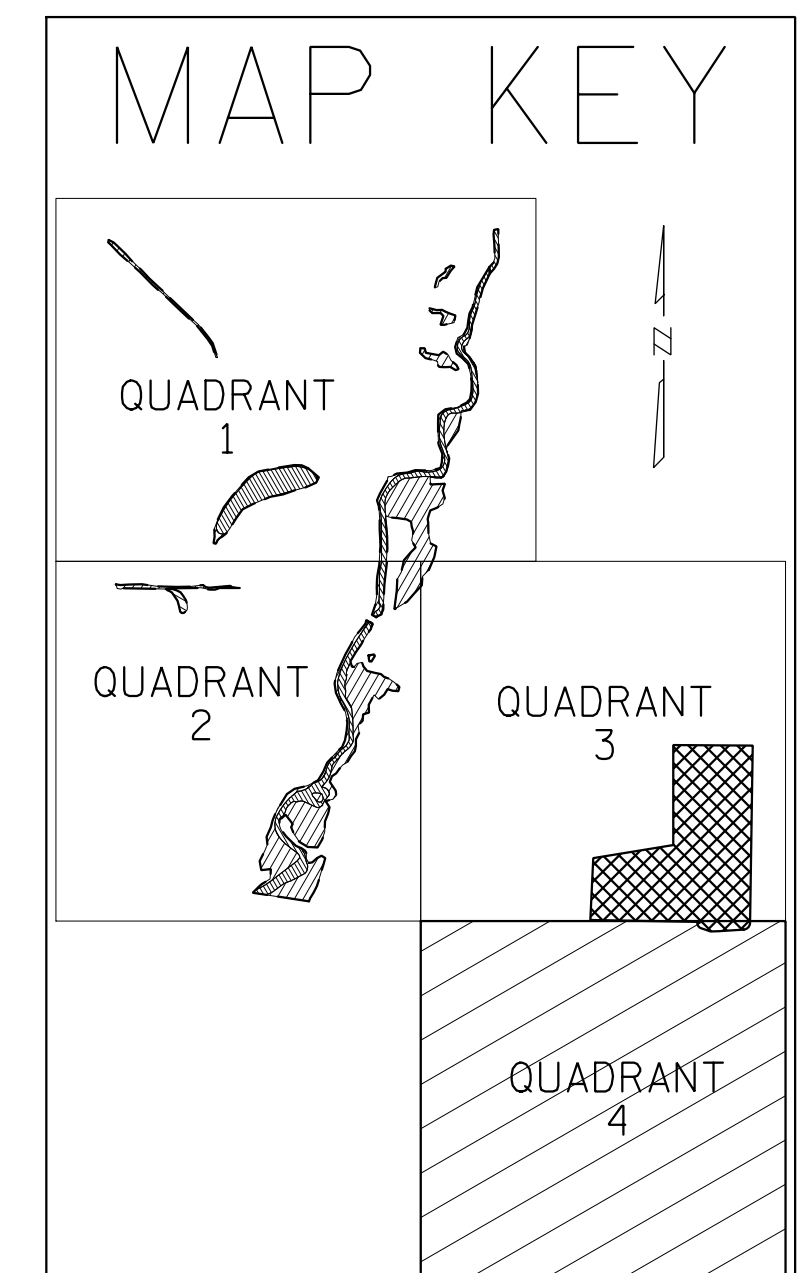
**MATCH LINE – SEE EROSION CONTROL PLAN PANEL 3**



**LEGEND**

- PERIMETER EROSION BARRIER
- CBBEL / MCHENRY COUNTY BOUNDARY
- PROPOSED CONTOURS
- EXCLUDED AREA
- STABILIZED CONSTRUCTION ENTRANCE
- INLET/PIPE PROTECTION
- SILT CURTIN

NOTE: ALL PROPOSED CATCH BASINS SHALL HAVE OPEN (BEEHIVE) GRATES. SEE CREEK RESTORATION SHEETS FOR ADDITIONAL SEC ITEMS.



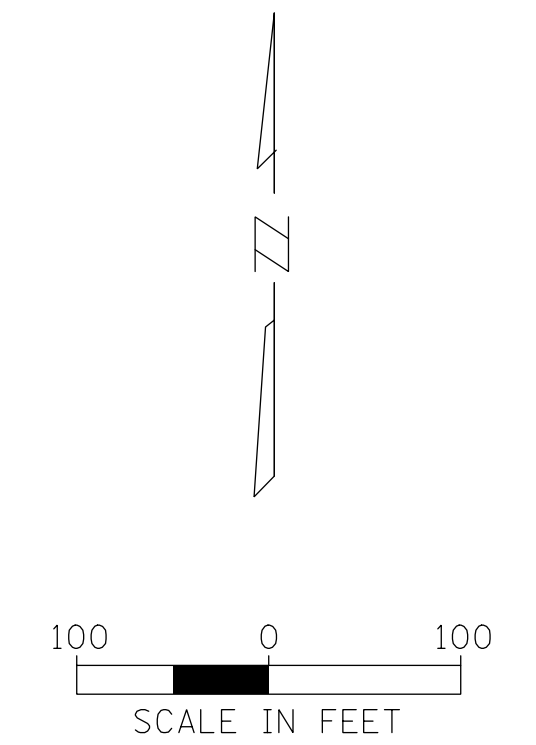
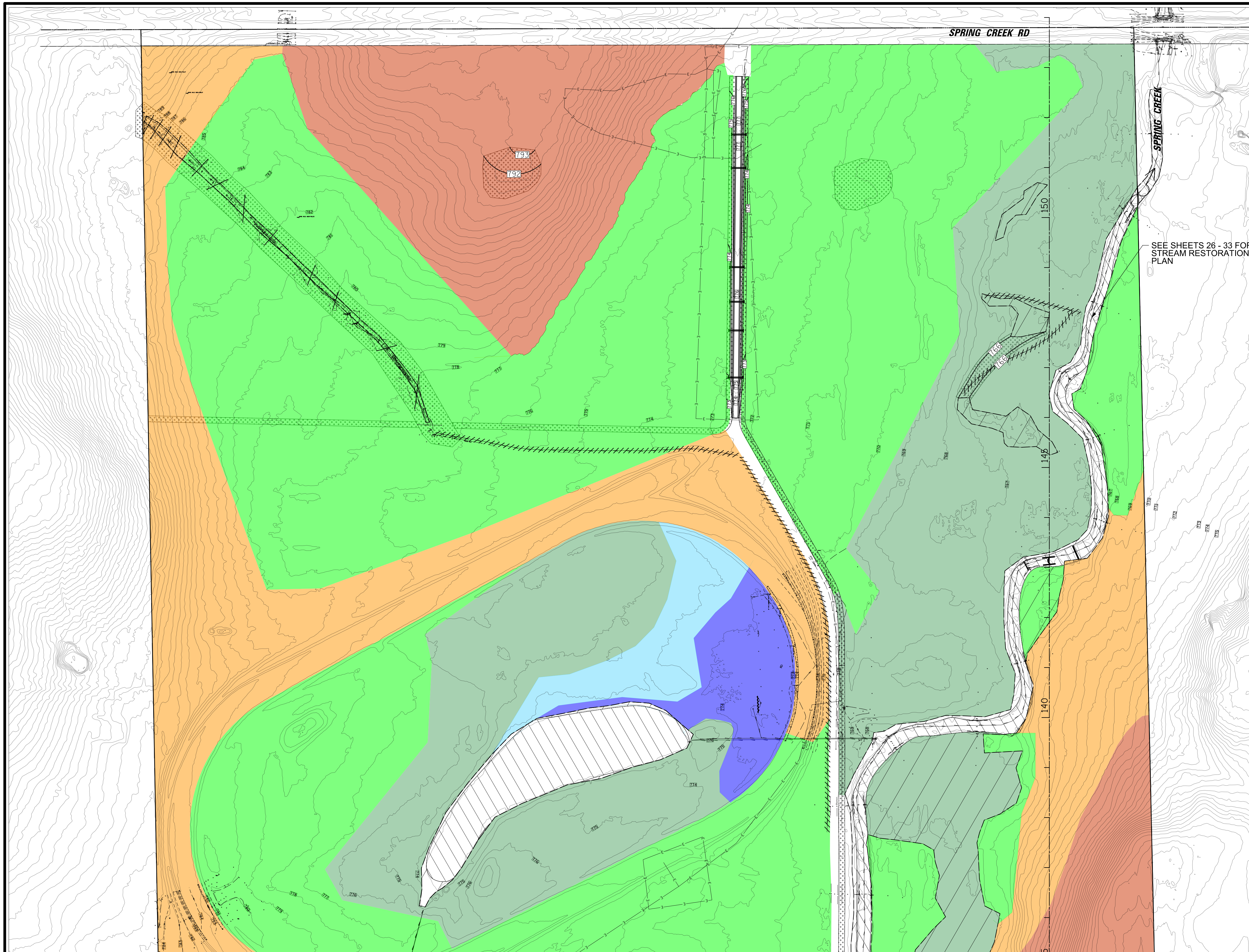
**CHRISTOPHER B. BURKE ENGINEERING, LTD.**  
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 Rosemont, Illinois 60018  
 (847) 823-0500

CLIENT:  
**Citizens for Conservation**  
 459 West Hwy. 22, Barrington, IL., 60010

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
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DSGN.	JA			
DWN.	MJ			
CHKD.	MAG			
SCALE:	100'			
PLOT DATE:	11/19/2024			
CAD USER:	mgratzke			

TITLE:  
**SEDIMENT/EROSION CONTROL PLAN  
 PANEL 4**

PROJ. NO. 220537  
 DATE: 11/18/24 BID  
 SHEET 19 OF 36  
 DRAWING NO.



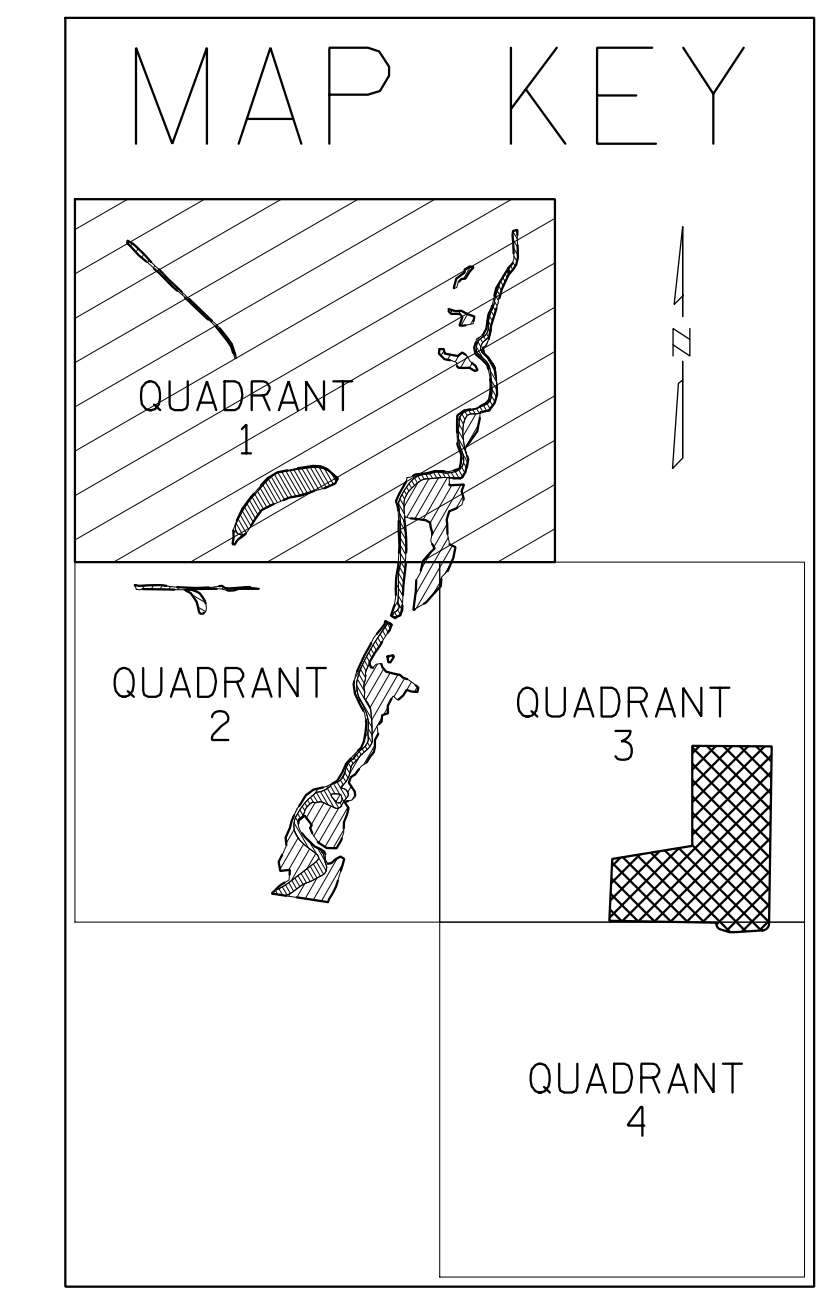
**LEGEND**

	INTERSEEDING, SAVANNA
	INTERSEEDING, PRAIRIE
	INTERSEEDING, WET PRAIRIE
	INTERSEEDING, SEDGE MEADOW
	INTERSEEDING, SHORELINE & PERENNIAL LIVE PLANTS
	PERENNIAL LIVE PLANTS
	AQUATIC WETLANDS
	RIPARIAN WETLANDS
	DISTURBANCE LIMITS
	PROPOSED CONTOURS

NOTE: SEE CREEK RESTORATION SHEETS FOR ADDITIONAL RESTORATION ITEMS.

ALL INTRASEEDING INCLUDES THE BELOW  
 PAY ITEMS:  
 SELECTIVE HERBICIDING (AS NEEDED)  
 PRESEED PRESCRIBED BURN

ALL SEEDING INCLUDES THE BELOW  
 PAY ITEMS:  
 EROSION CONTROL BLANKET-NAG S75-BN  
 TOPSOIL EXCAVATION AND PLACEMENT, 8"



MATCH LINE – SEE PLANTING PLAN 2 | MATCH LINE – SEE PLANTING PLAN 3

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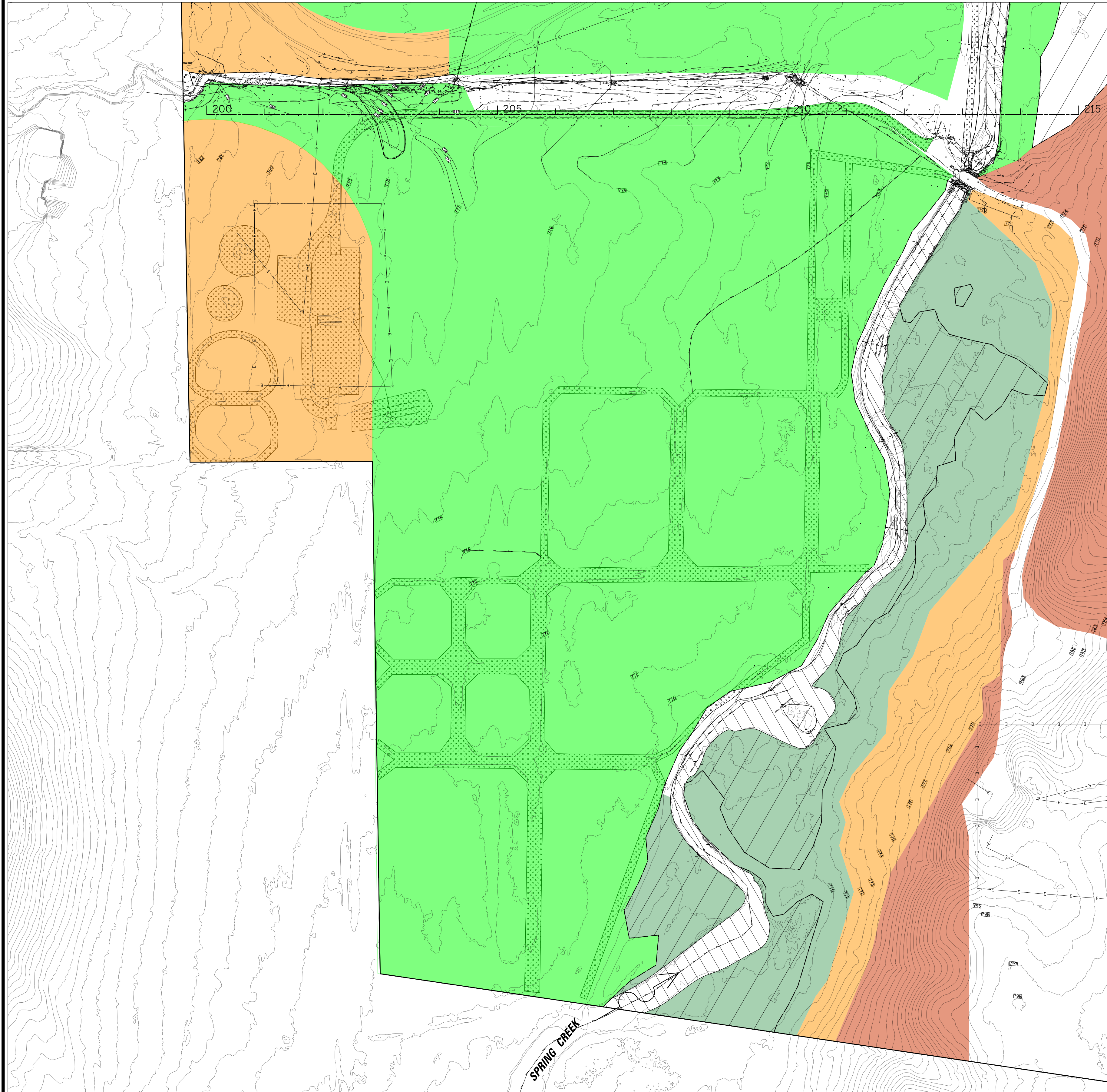
CLIENT:  
**Citizens for Conservation**  
 459 West Hwy. 22, Barrington, IL., 60010

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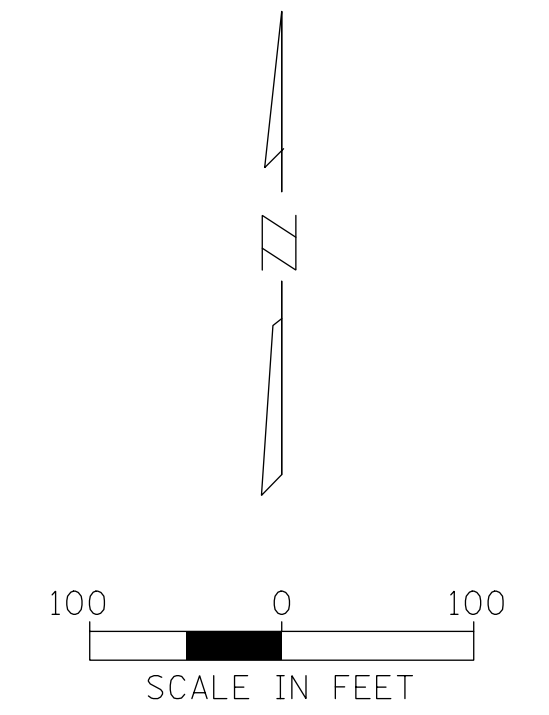
TITLE:  
**PLANTING PLAN  
 PANEL 1**

PROJ. NO. 220537  
 DATE: 11/18/24 BID  
 SHEET 20 OF 36  
 DRAWING NO.

MATCH LINE – SEE PLANTING PLAN 1



MATCH LINE – SEE PLANTING PLAN 3



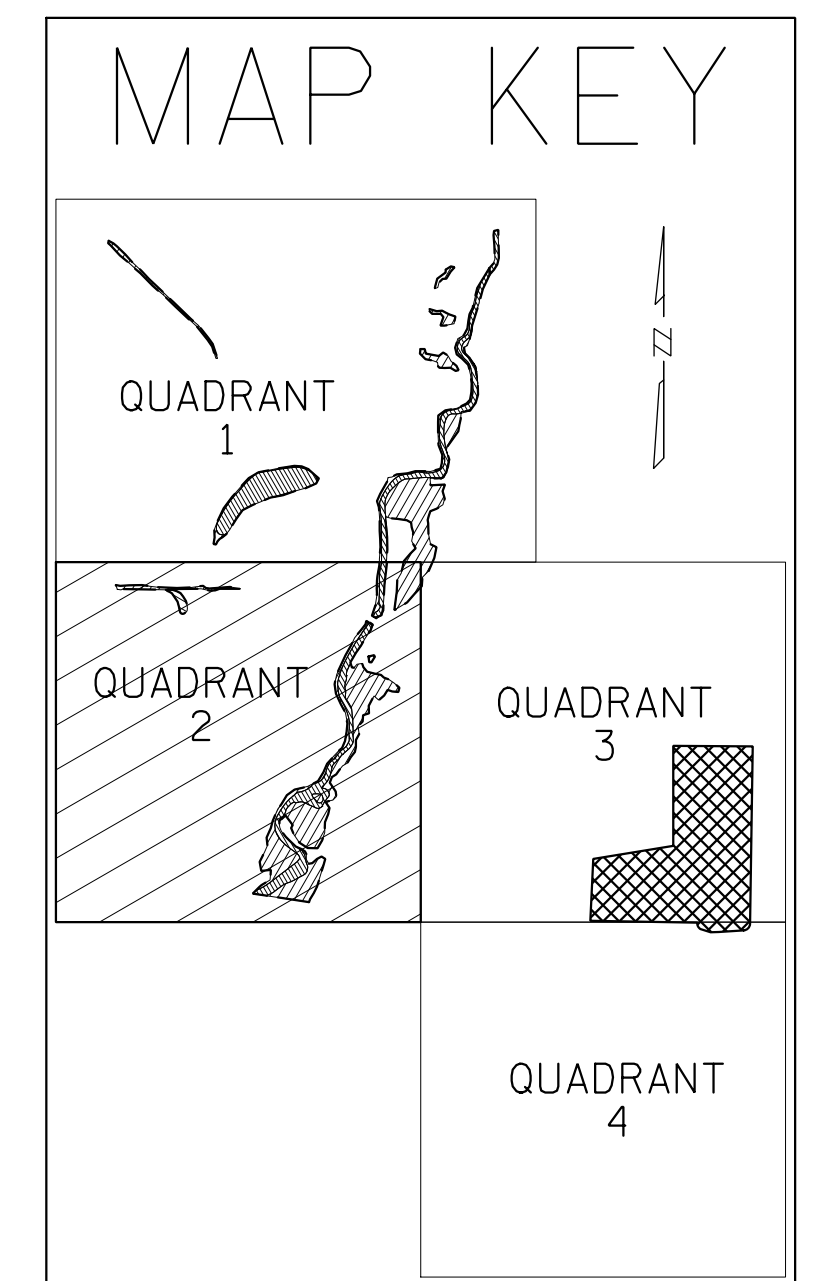
**LEGEND**

	SEEDING, SAVANNA		INTERSEEDING, SAVANNA
	SEEDING, PRAIRIE		INTERSEEDING, PRAIRIE
	SEEDING, WET PRAIRIE		INTERSEEDING, WET PRAIRIE
	SEEDING, SEDGE MEADOW		INTERSEEDING, SEDGE MEADOW
	SEEDING, SHORELINE & PERENNIAL LIVE PLANTS		INTERSEEDING, SHORELINE & PERENNIAL LIVE PLANTS
			PERENNIAL LIVE PLANTS
			AQUATIC WETLANDS
			RIPARIAN WETLANDS
			DISTURBANCE LIMITS
			PROPOSED CONTOURS

NOTE: SEE CREEK RESTORATION SHEETS FOR ADDITIONAL RESTORATION ITEMS.

ALL INTRASEEDING INCLUDES THE BELOW  
 PAY ITEMS:  
 SELECTIVE HERBICIDING (AS NEEDED)  
 PRESEED PRESCRIBED BURN

ALL SEEDING INCLUDES THE BELOW  
 PAY ITEMS:  
 EROSION CONTROL BLANKET-NAG S75-BN  
 TOPSOIL EXCAVATION AND PLACEMENT, 8"



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**Citizens for Conservation**  
 459 West Hwy. 22, Barrington, IL., 60010

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
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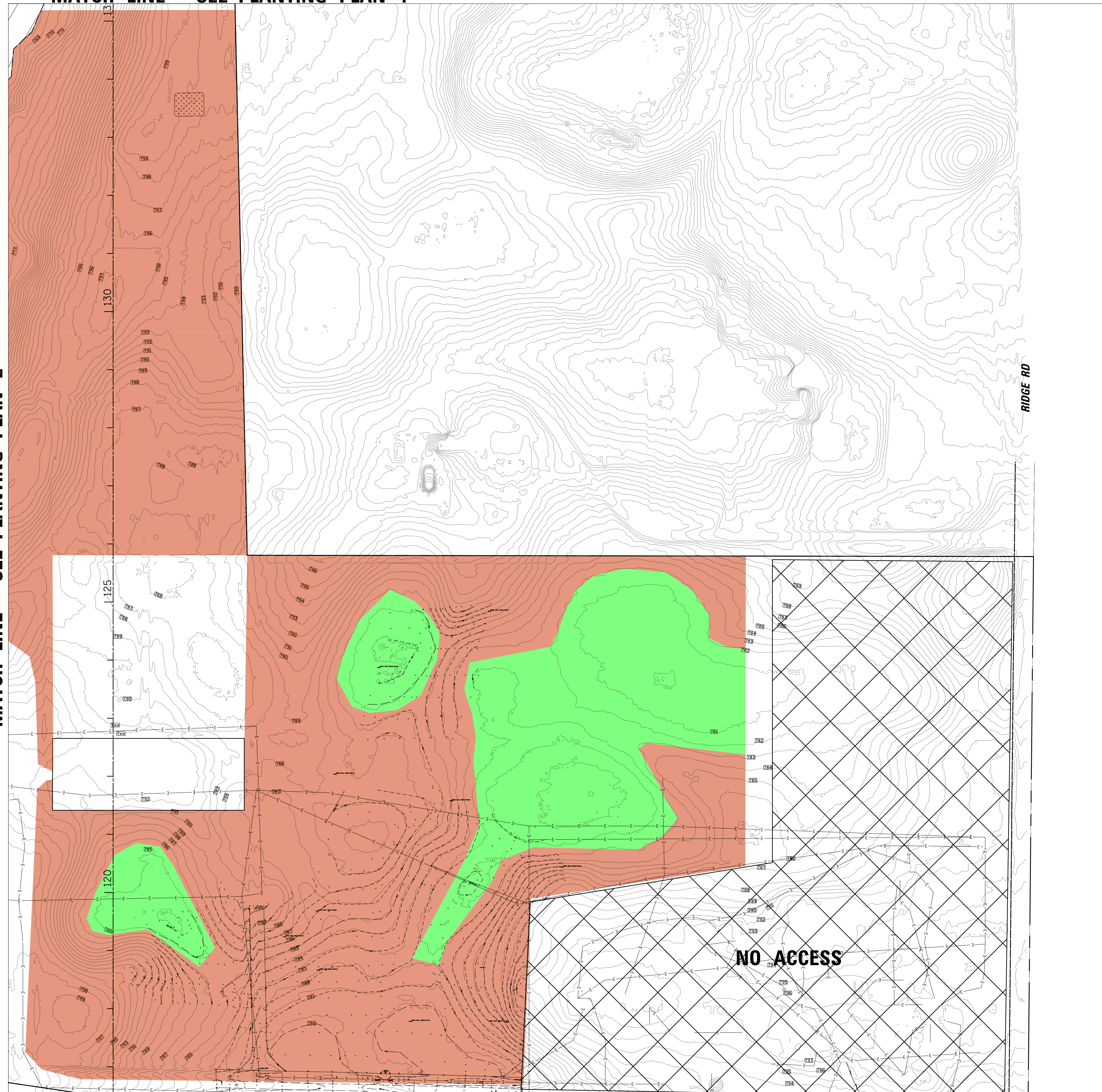
DSGN. JA  
 DWN. MJ  
 CHKD. MAG  
 SCALE: 100'  
 PLOT DATE: 11/19/2024  
 CAD USER: mgratzke

TITLE:  
**PLANTING PLAN  
 PANEL 2**

PROJ. NO. 220537  
 DATE: 11/18/24 BID  
 SHEET 21 OF 36  
 DRAWING NO.

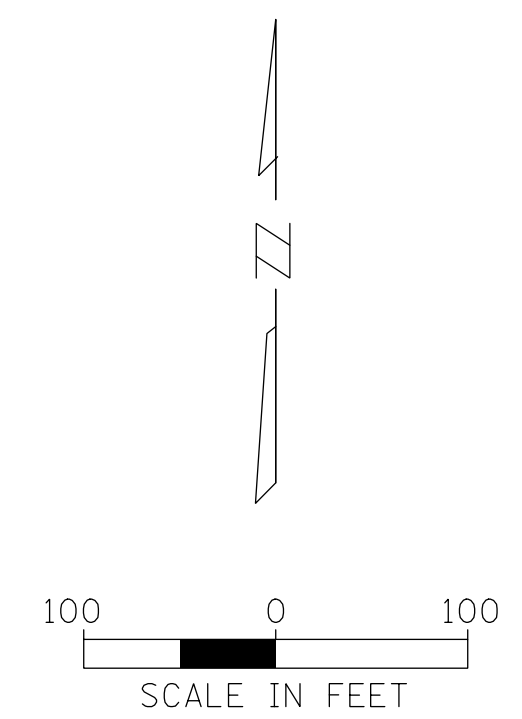
MATCH LINE – SEE PLANTING PLAN 1

MATCH LINE – SEE PLANTING PLAN 2



MATCH LINE – SEE PLANTING PLAN 4

RIDGE RD

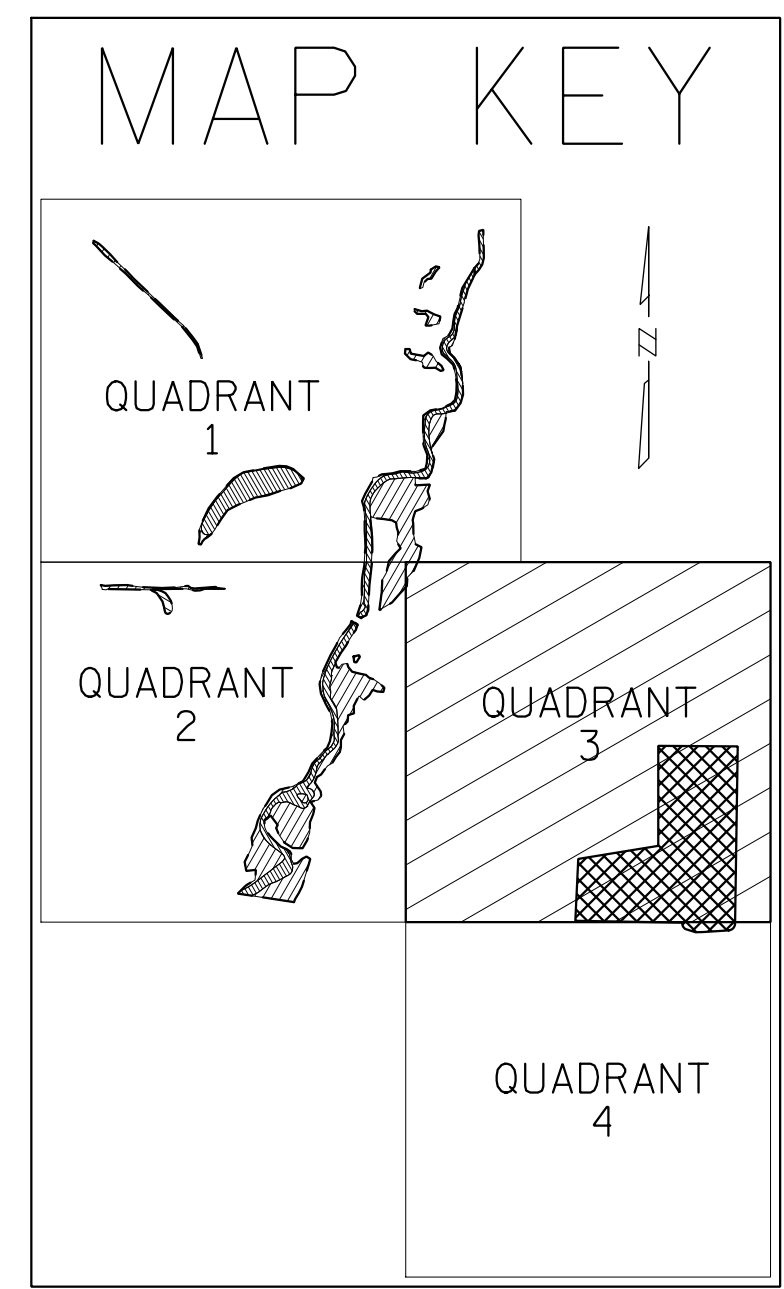


**LEGEND**

	SEEDING, SAVANNA		INTERSEEDING, SAVANNA
	SEEDING, PRAIRIE		INTERSEEDING, PRAIRIE
	SEEDING, WET PRAIRIE		INTERSEEDING, WET PRAIRIE
	SEEDING, SEDGE MEADOW		INTERSEEDING, SEDGE MEADOW
	SEEDING, SHORELINE & PERENNIAL LIVE PLANTS		INTERSEEDING, SHORELINE & PERENNIAL LIVE PLANTS
			PERENNIAL LIVE PLANTS
			AQUATIC WETLANDS
			RIPARIAN WETLANDS
			DISTURBANCE LIMITS
			PROPOSED CONTOURS

NOTE: SEE CREEK RESTORATION SHEETS FOR ADDITIONAL RESTORATION ITEMS.  
 ALL INTRASEEDING INCLUDES THE BELOW  
 PAY ITEMS:  
 SELECTIVE HERBICIDING (AS NEEDED)  
 PRESEED PRESCRIBED BURN

ALL SEEDING INCLUDES THE BELOW  
 PAY ITEMS:  
 EROSION CONTROL BLANKET-NAG S75-BN  
 TOPSOIL EXCAVATION AND PLACEMENT, 8"



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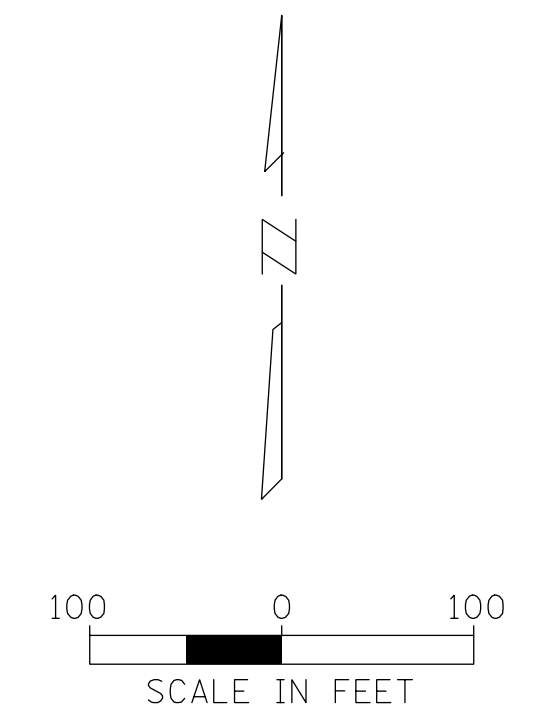
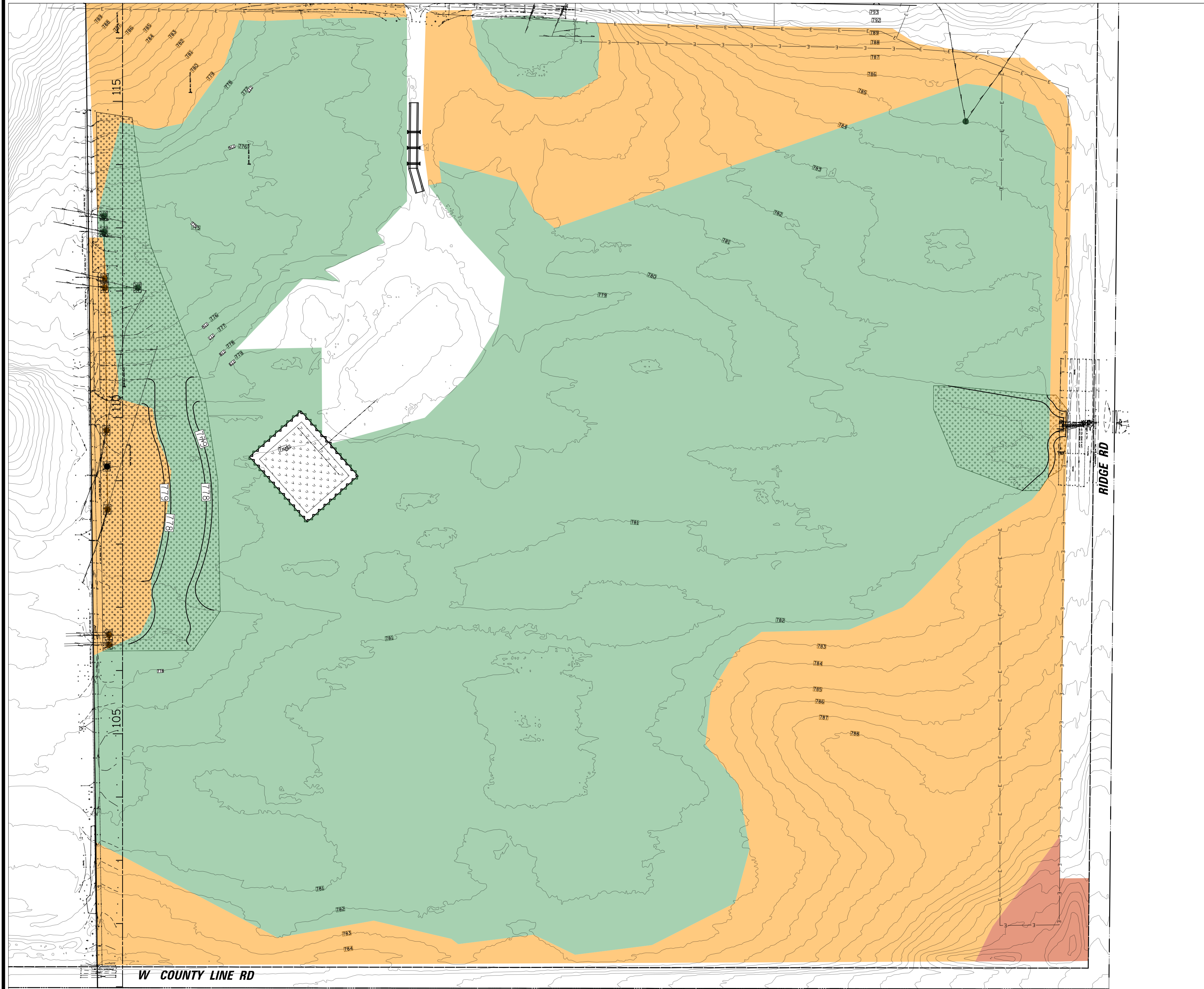
CLIENT:  
**Citizens for Conservation**  
 459 West Hwy. 22, Barrington, IL., 60010

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
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TITLE:  
**PLANTING PLAN  
 PANEL 3**

PROJ. NO. 220537  
 DATE: 11/18/24 BID  
 SHEET 22 OF 36  
 DRAWING NO.

MATCH LINE – SEE PLANTING PLAN 3



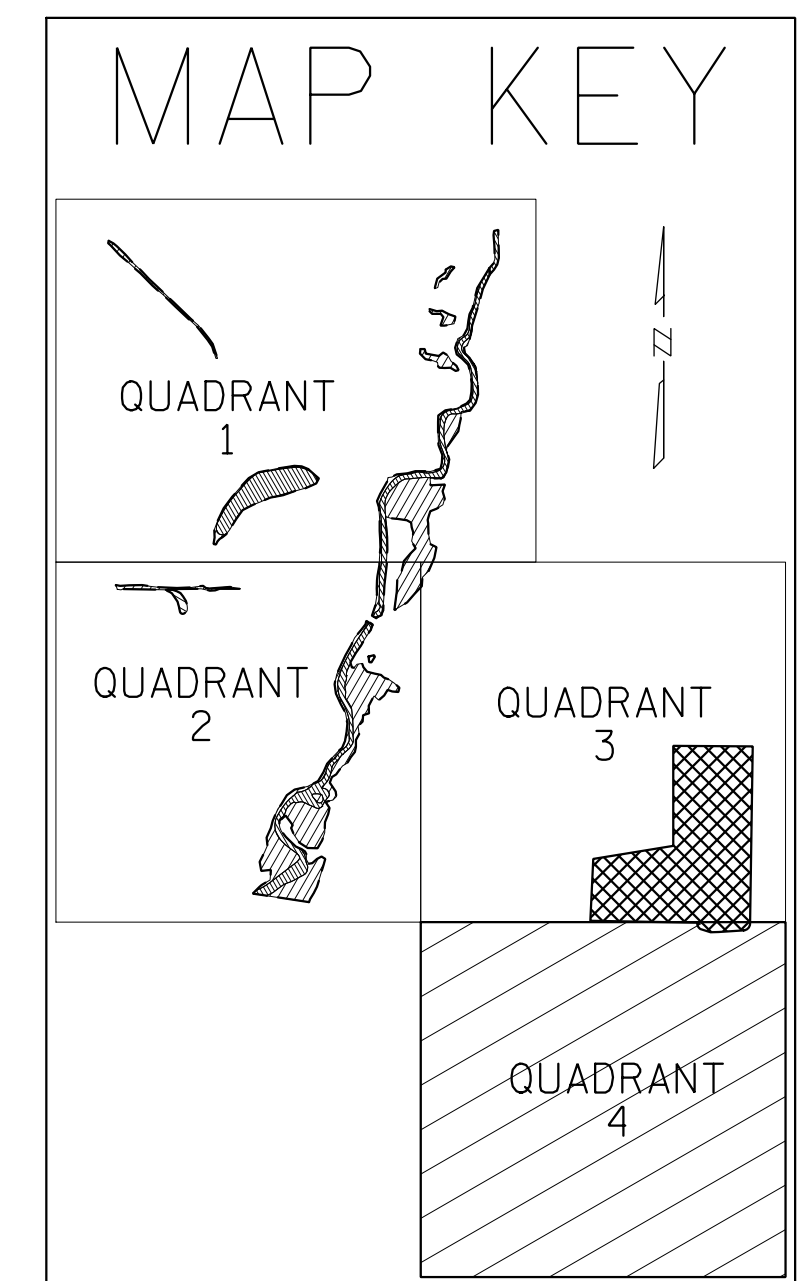
**LEGEND**

	SEEDING, SAVANNA		INTERSEEDING, SAVANNA
	SEEDING, PRAIRIE		INTERSEEDING, PRAIRIE
	SEEDING, WET PRAIRIE		INTERSEEDING, WET PRAIRIE
	SEEDING, SEDGE MEADOW		INTERSEEDING, SEDGE MEADOW
	SEEDING, SHORELINE & PERENNIAL LIVE PLANTS		INTERSEEDING, SHORELINE & PERENNIAL LIVE PLANTS
			PERENNIAL LIVE PLANTS
			AQUATIC WETLANDS
			RIPARIAN WETLANDS
			DISTURBANCE LIMITS
			PROPOSED CONTOURS

NOTE: SEE CREEK RESTORATION SHEETS FOR ADDITIONAL RESTORATION ITEMS.

ALL INTRASEEDING INCLUDES THE BELOW  
 PAY ITEMS:  
 SELECTIVE HERBICIDING (AS NEEDED)  
 PRESEED PRESCRIBED BURN

ALL SEEDING INCLUDES THE BELOW  
 PAY ITEMS:  
 EROSION CONTROL BLANKET-NAG S75-BN  
 TOPSOIL EXCAVATION AND PLACEMENT, 8"



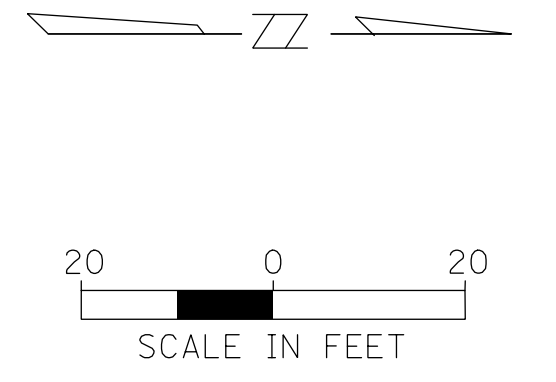
**CHRISTOPHER B. BURKE ENGINEERING, LTD.**  
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 Rosemont, Illinois 60018  
 (847) 823-0500

CLIENT:  
**Citizens for Conservation**  
 459 West Hwy. 22, Barrington, IL., 60010

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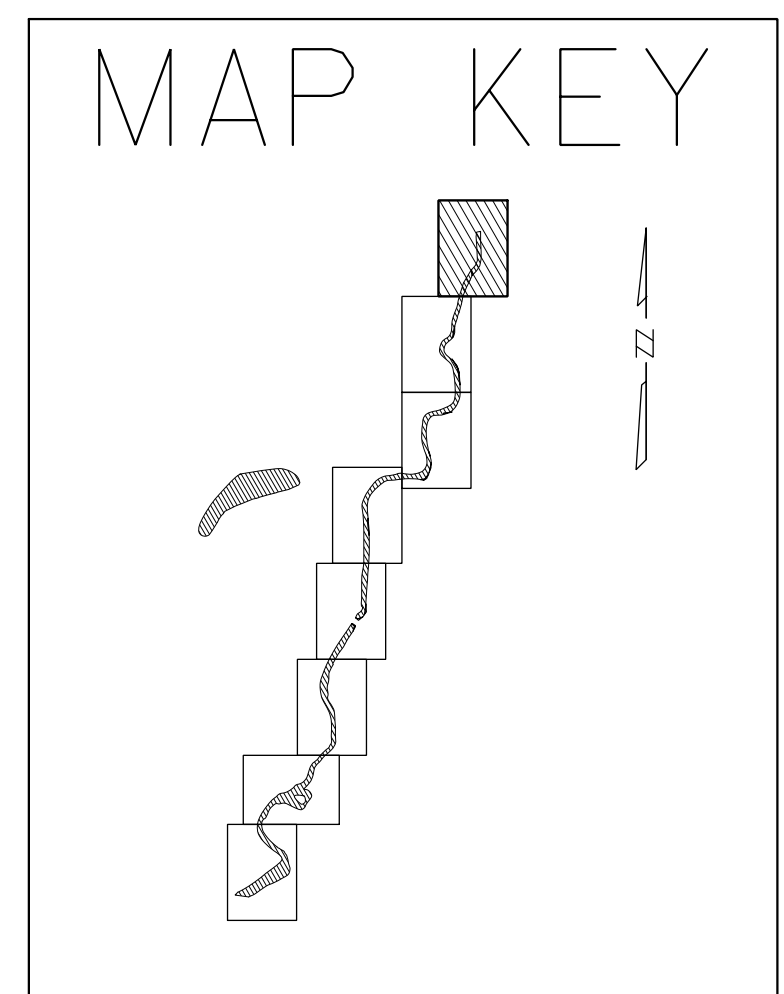
TITLE:  
**PLANTING PLAN  
 PANEL 4**

PROJ. NO. 220537  
 DATE: 11/18/24 BID  
 SHEET 23 OF 36  
 DRAWING NO.



**LEGEND**

	DETAIL A
	DETAIL B
	DETAIL C
	DETAIL D (TUCK STONE)
	PROPOSED BANK GRADING
	WATER LIMIT
	RIPARIAN WETLANDS
	SC SLIT CURTAIN
	PROPOSED CONTOURS
NOTE: ALL PROPOSED CATCH BASINS SHALL HAVE OPEN (BEEHIVE) GRATES.	
	CBREL / MCHENRY COUNTY CONTOUR SURVEY BOUNDARY



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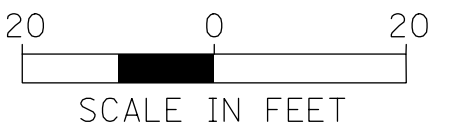
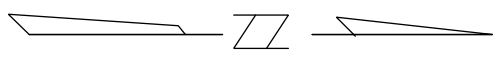
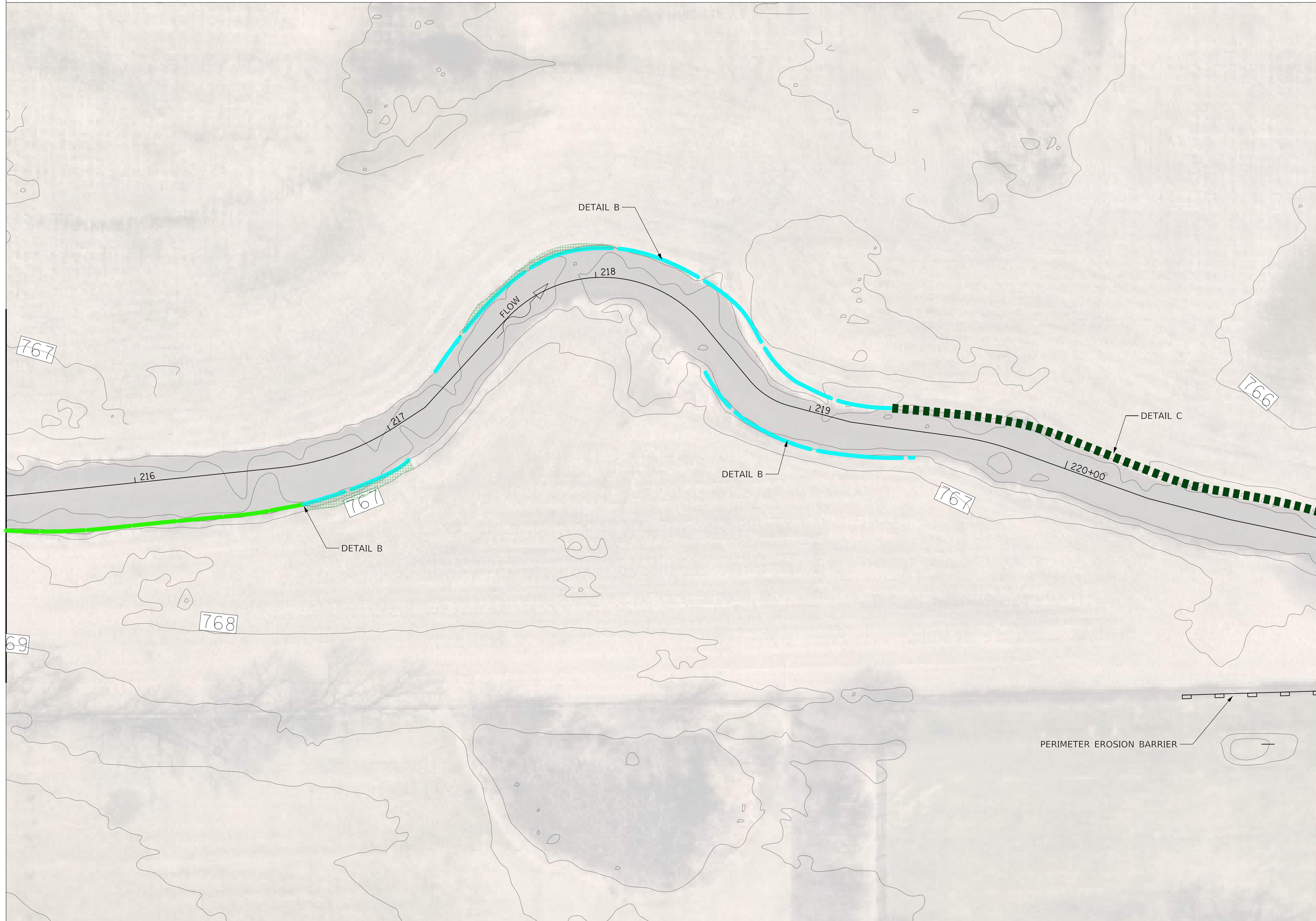
CLIENT:  
**Citizens for Conservation**  
 459 West Hwy. 22, Barrington, IL., 60010

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
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FILE NAME	N:\MCHENRY\220537\CIVIL\REST_01.220537.shx			

TITLE:  
**CREEK RESTORATION PLAN**

PROJ. NO. 220537  
 DATE: 11/18/24 BID  
 SHEET 24 OF 36  
 DRAWING NO.





**LEGEND**

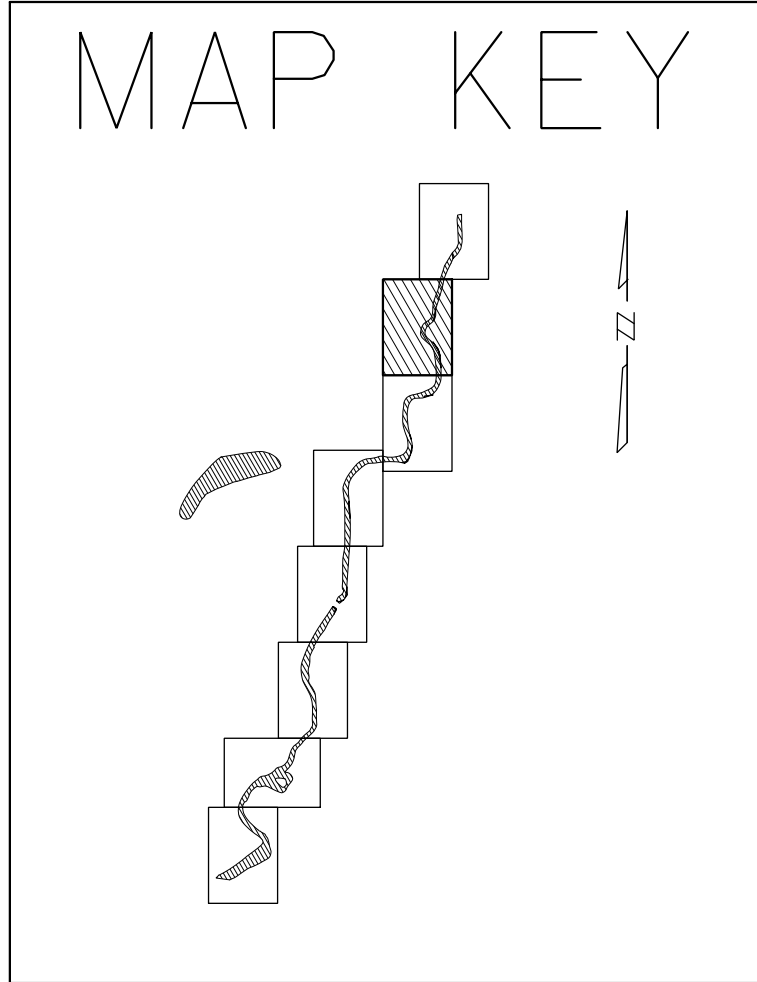
- DETAIL A
- DETAIL B
- ▨ DETAIL C
- ▨ DETAIL D (TUCK STONE)
- ▨ PROPOSED BANK GRADING
- ▨ WATER LIMIT
- ▨ RIPARIAN WETLANDS
- SC SLIT CURTAIN
- PROPOSED CONTOURS

NOTE: ALL PROPOSED CATCH BASINS SHALL HAVE OPEN (BEEHIVE) GRATES.

— CBBEL / MCHENRY COUNTY CONTOUR SURVEY BOUNDARY

MATCH LINE - 215 + 50

MATCH LINE - 221 + 00



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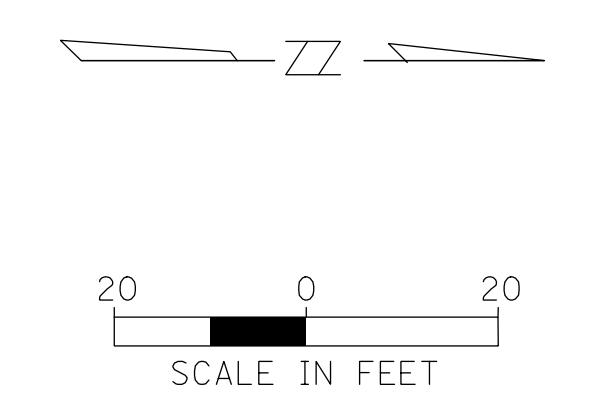
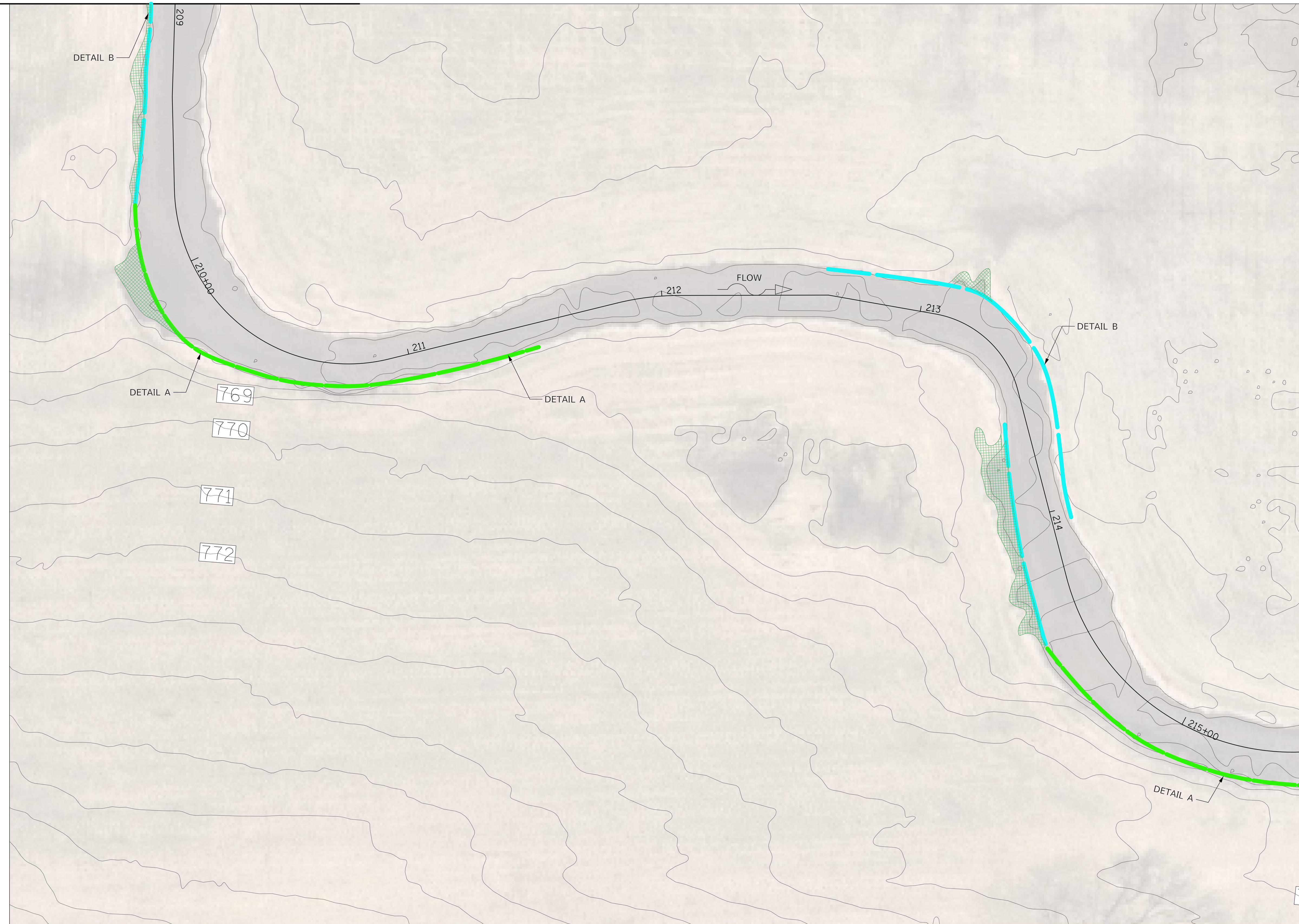
CLIENT:  
**Citizens for Conservation**  
 459 West Hwy. 22, Barrington, IL., 60010

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
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TITLE:  
**CREEK RESTORATION PLAN**

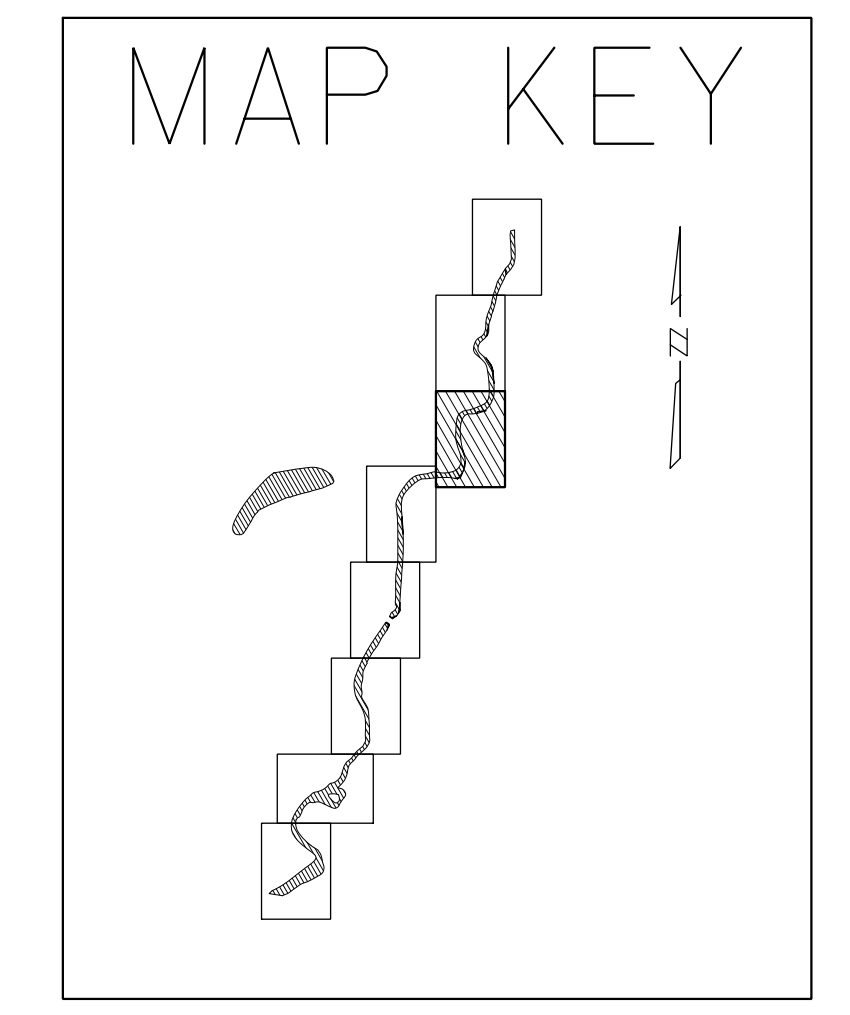
PROJ. NO. 220537  
 DATE: 11/18/24 BID  
 SHEET 25 OF 36  
 DRAWING NO.

**MATCH LINE - 209+00**



**LEGEND**

- DETAIL A
- DETAIL B
- DETAIL C
- DETAIL D (TUCK STONE)
- PROPOSED BANK GRADING
- WATER LIMIT
- RIPARIAN WETLANDS
- SC SLIT CURTAIN
- 767 PROPOSED CATCH BASINS
- NOTE: ALL PROPOSED CATCH BASINS SHALL HAVE OPEN (BEEHIVE) GRATES.
- CBBEL / MCHENRY COUNTY CONTOUR SURVEY BOUNDARY



**MATCH LINE - 215+50**

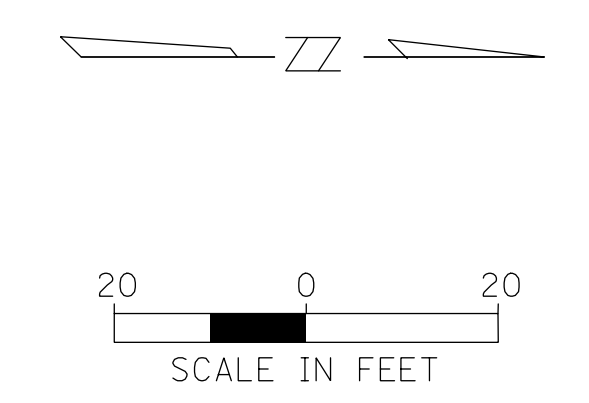
**CHRISTOPHER B. BURKE ENGINEERING, LTD.**  
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 Rosemont, Illinois 60018  
 (847) 823-0500

CLIENT:  
**Citizens for Conservation**  
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NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
FILE NAME	N:\MCHENRY\220537\CIVIL\REST_03_220537.shx			

TITLE:  
**CREEK RESTORATION PLAN**

PROJ. NO. 220537  
 DATE: 11/18/24 BID  
 SHEET 26 OF 36  
 DRAWING NO.

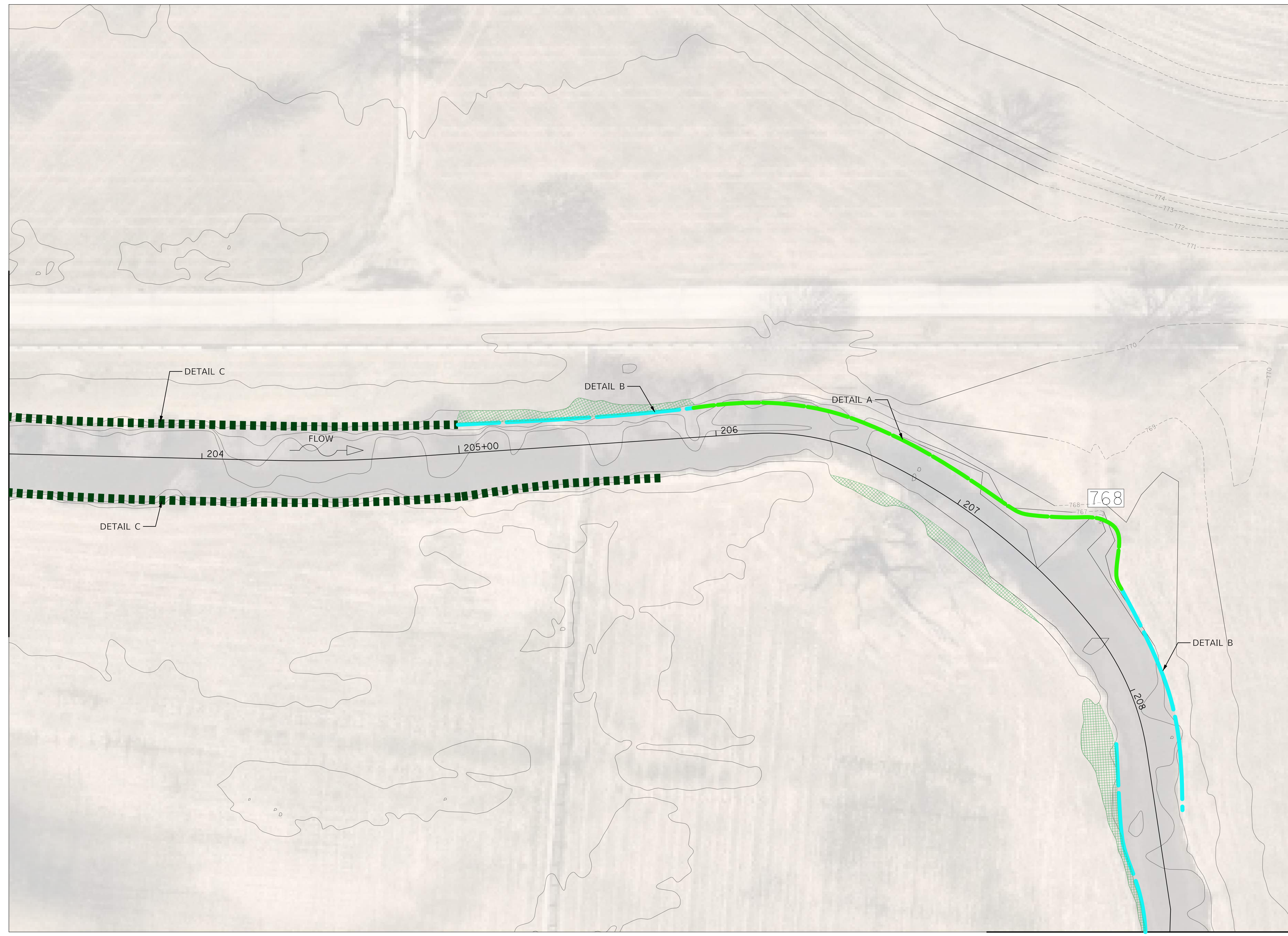
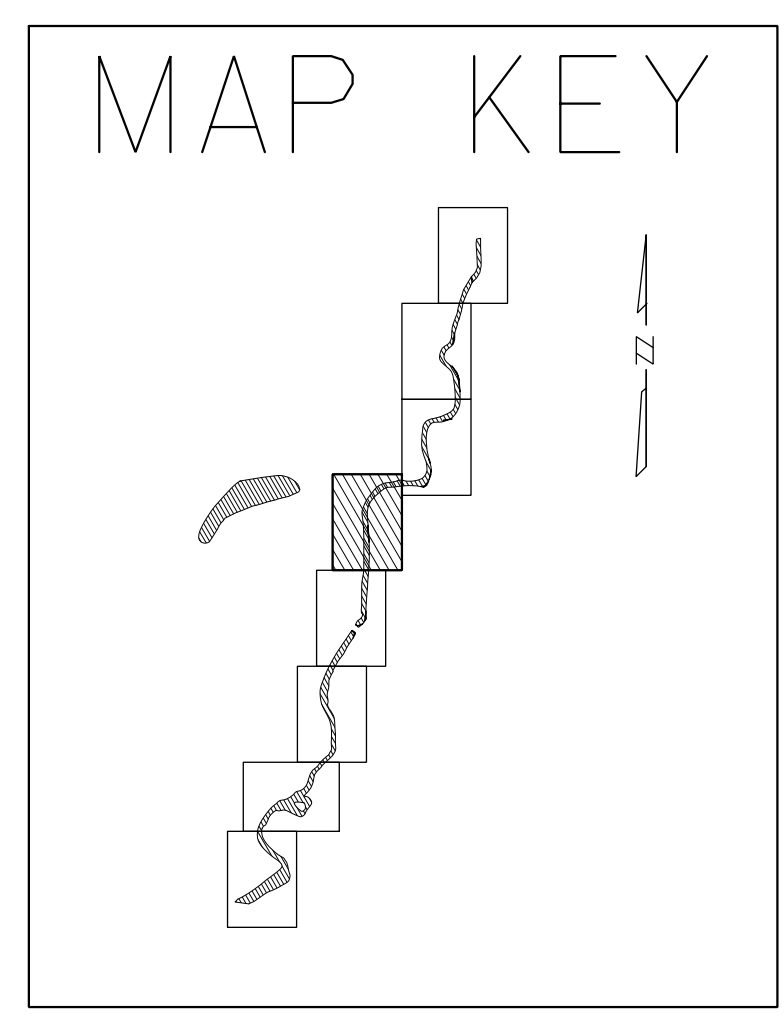


**LEGEND**

- DETAIL A
- DETAIL B
- ▬▬▬▬ DETAIL C
- ▬▬▬▬ DETAIL D (TUCK STONE)
- PROPOSED BANK GRADING
- WATER LIMIT
- RIPARIAN WETLANDS
- SC SLIT CURTAIN
- PROPOSED CONTOURS

NOTE: ALL PROPOSED CATCH BASINS SHALL HAVE OPEN (BEEHIVE) GRATES.

CBBEL / MCHENRY COUNTY CONTOUR SURVEY BOUNDARY



MATCH LINE - 203 + 25

MATCH LINE - 209 + 00

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 Rosemont, Illinois 60018  
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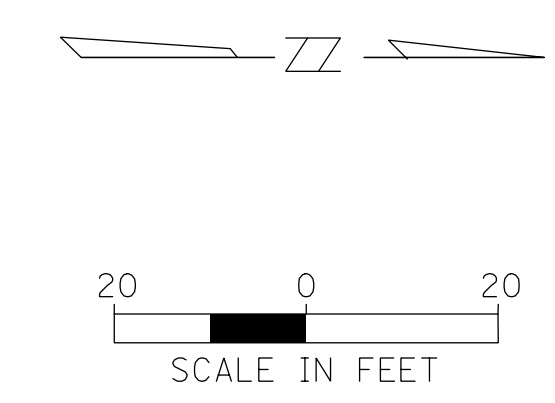
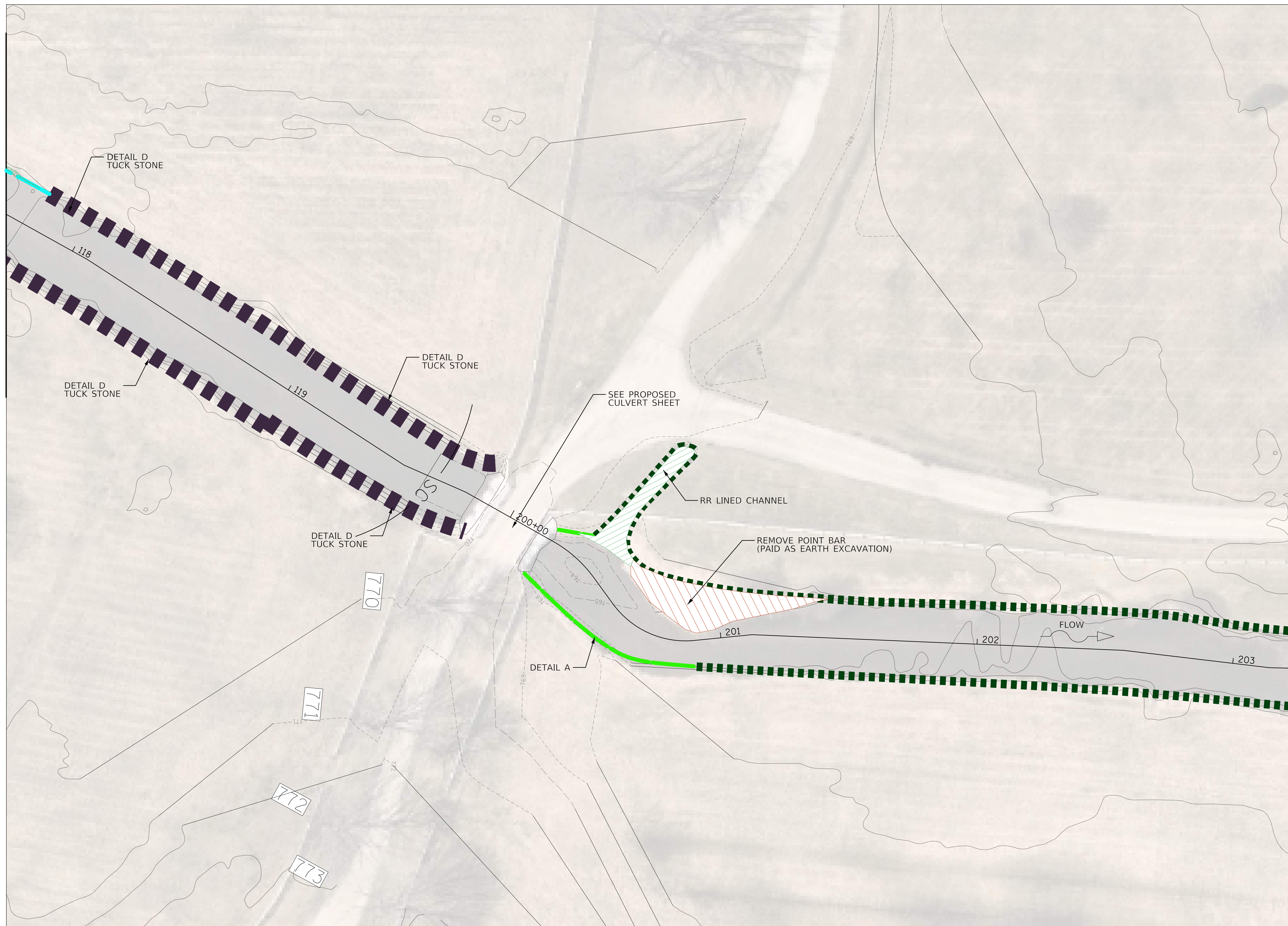
CLIENT:  
**Citizens for Conservation**  
 459 West Hwy. 22, Barrington, IL., 60010

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
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TITLE:  
**CREEK RESTORATION PLAN**

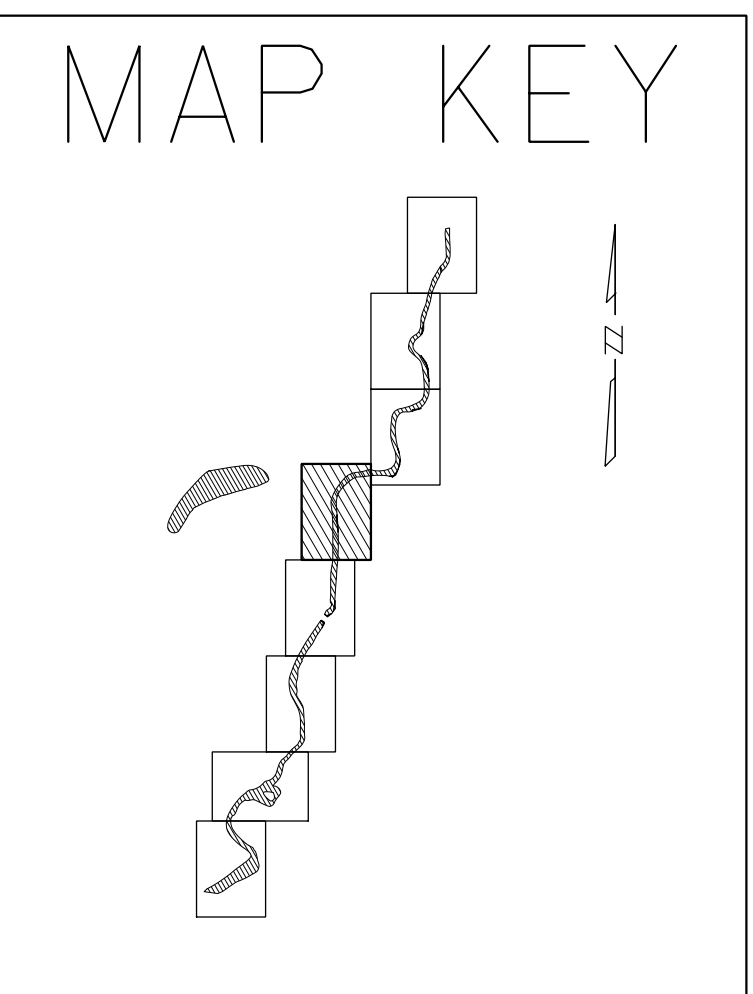
PROJ. NO. 220537  
 DATE: 11/18/24 BID  
 SHEET 27 OF 36  
 DRAWING NO.

MATCH LINE - 117+70



### LEGEND

- DETAIL A
- DETAIL B
- DETAIL C
- DETAIL D (TUCK STONE)
- PROPOSED BANK GRADING
- WATER LIMIT
- RIPARIAN WETLANDS
- SC SLIT CURTAIN
- PROPOSED CONTOURS
- NOTE: ALL PROPOSED CATCH BASINS SHALL HAVE OPEN (BEEHIVE) GRATES.
- CBBEL / MCHENRY COUNTY CONTOUR SURVEY BOUNDARY



MATCH LINE - 203+25

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Rosemont, Illinois 60018  
(847) 823-0500

CLIENT:  
**Citizens for Conservation**  
459 West Hwy. 22, Barrington, IL., 60010

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:

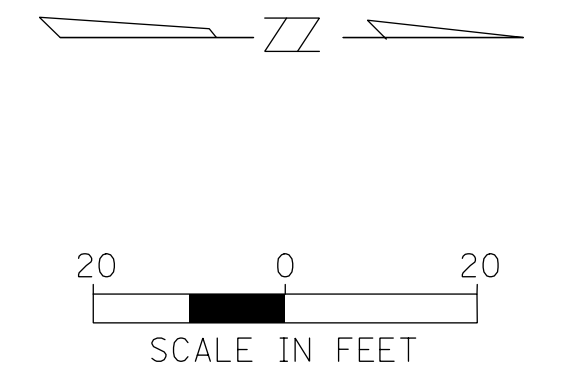
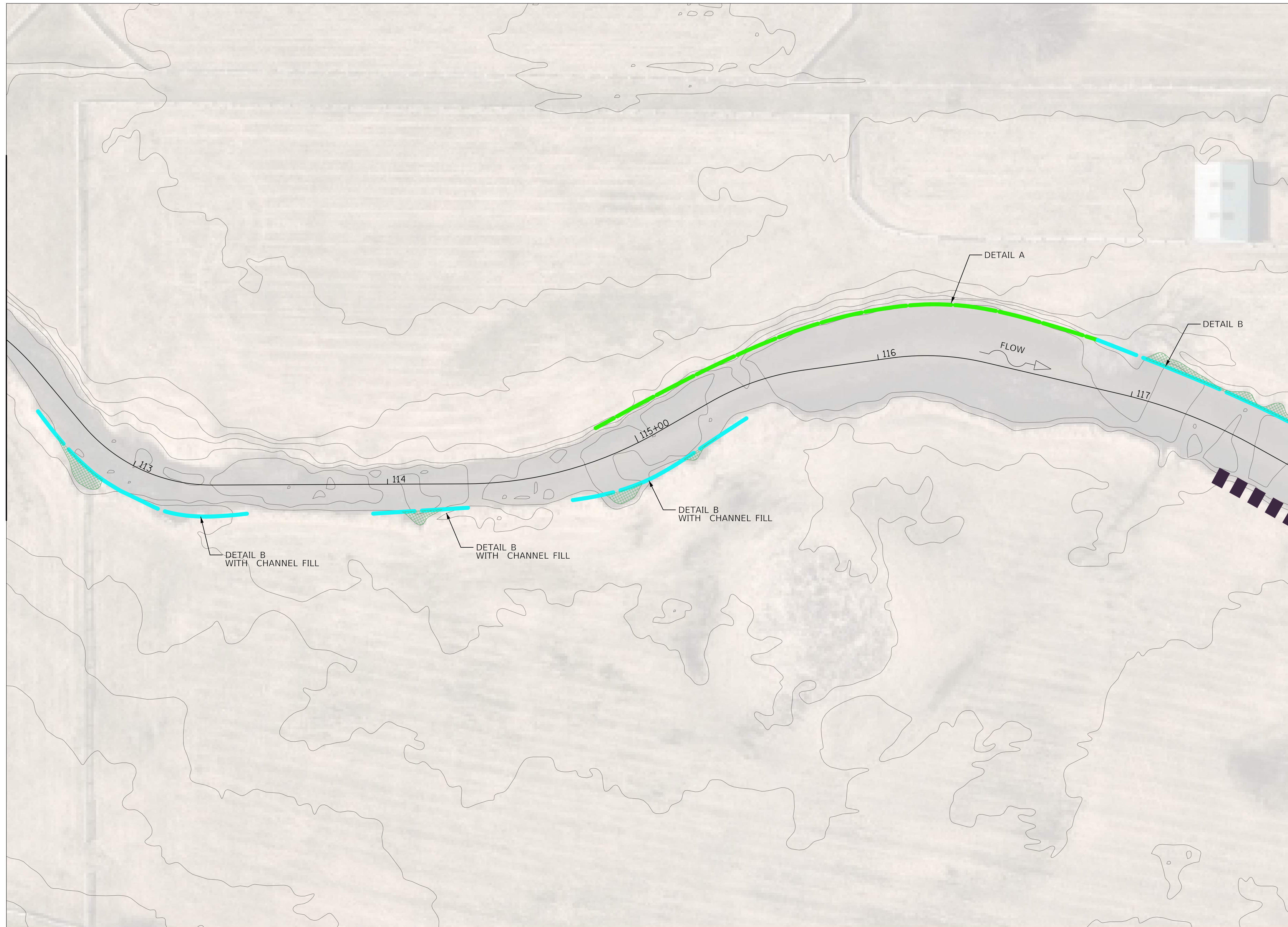
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PLOT DATE:	11/19/2024	
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TITLE:

## CREEK RESTORATION PLAN

PROJ. NO. 220537  
DATE: 11/18/24 BID  
SHEET 28 OF 36  
DRAWING NO.

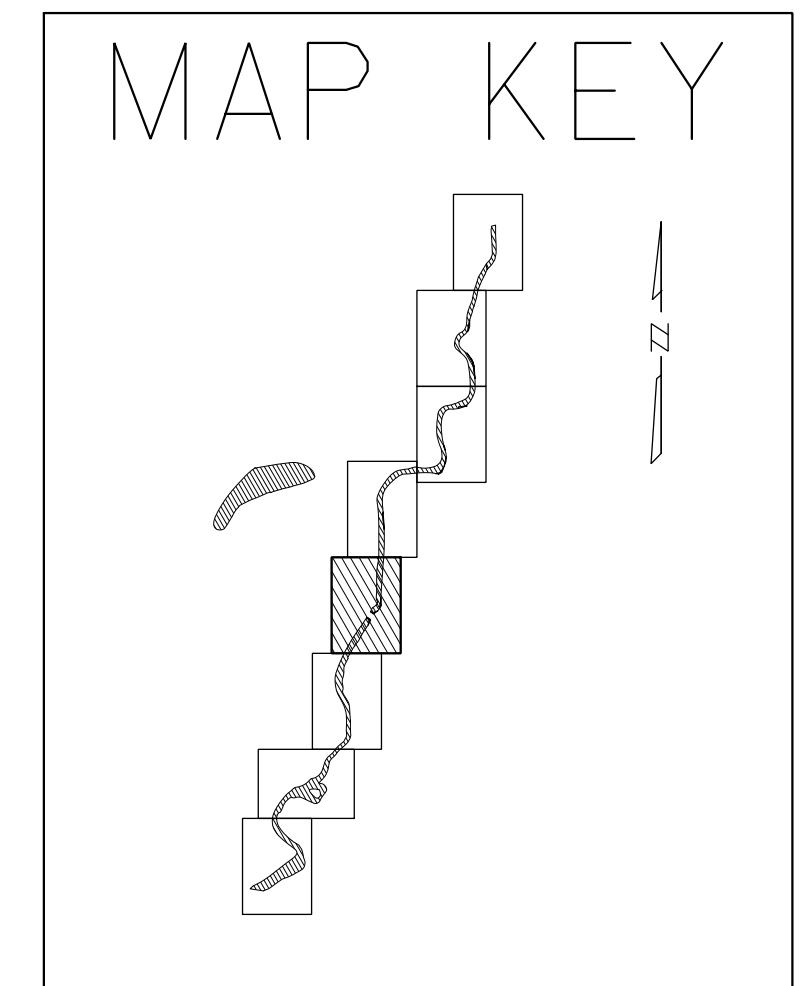
MATCH LINE - 112+30



**LEGEND**

- DETAIL A
- DETAIL B
- DETAIL C
- DETAIL D (TUCK STONE)
- PROPOSED BANK GRADING
- WATER LIMIT
- RIPARIAN WETLANDS
- SC SLIT CURTAIN
- PROPOSED CONTOURS
- NOTE: ALL PROPOSED CATCH BASINS SHALL HAVE OPEN (BEEHIVE) GRATES.
- CBBEL / MCHENRY COUNTY CONTOUR SURVEY BOUNDARY

MATCH LINE - 117+70



**CHRISTOPHER B. BURKE ENGINEERING, LTD.**  
 9575 W. Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

CLIENT:  
**Citizens for Conservation**  
 459 West Hwy. 22, Barrington, IL., 60010

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
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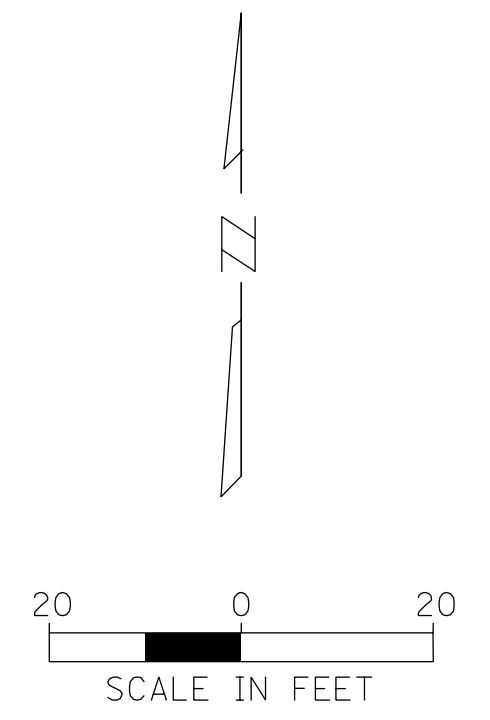
**CREEK RESTORATION PLAN**

PROJ. NO. 220537  
 DATE: 11/18/24 BID  
 SHEET 29 OF 36  
 DRAWING NO.

MATCH LINE - 112 + 30



MATCH LINE - 107 + 25

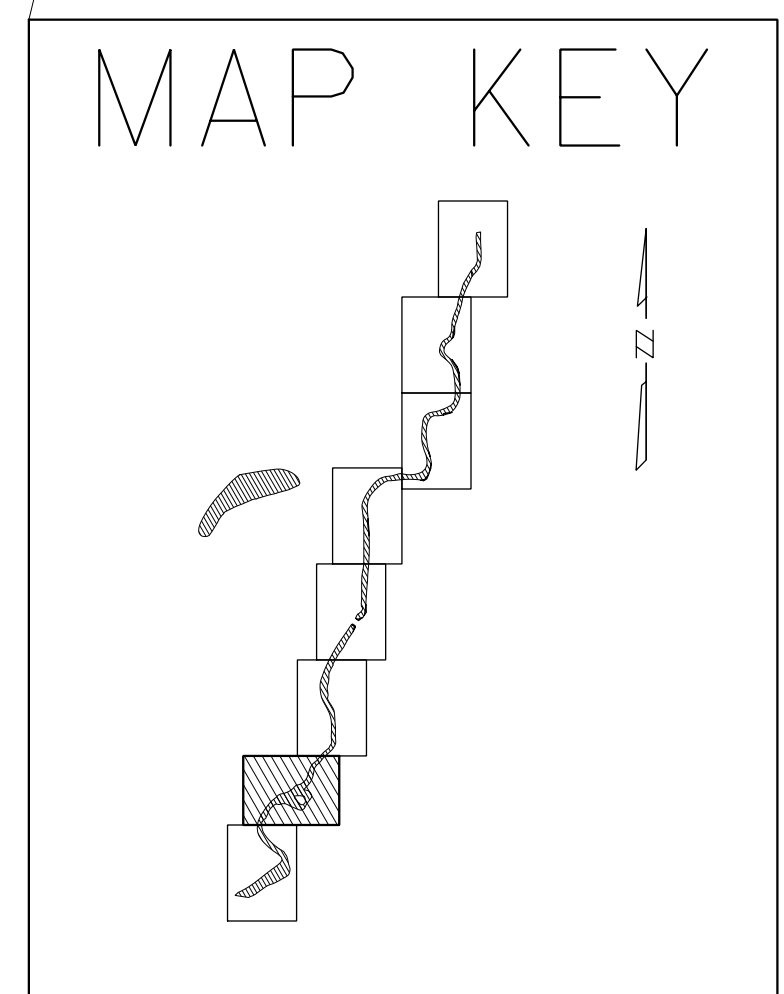


**LEGEND**

- DETAIL A
- DETAIL B
- DETAIL C
- DETAIL D (TUCK STONE)
- PROPOSED BANK GRADING
- WATER LIMIT
- RIPARIAN WETLANDS
- SC SLIT CURTAIN
- - - - PROPOSED CONTOURS

NOTE: ALL PROPOSED CATCH BASINS SHALL HAVE OPEN (BEEHIVE) GRATES.

CBBEL COUNTY CBBEL / MCHENRY COUNTY CONTOUR SURVEY BOUNDARY



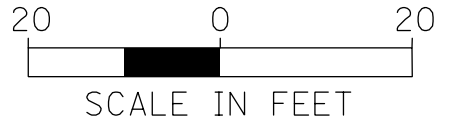
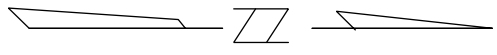
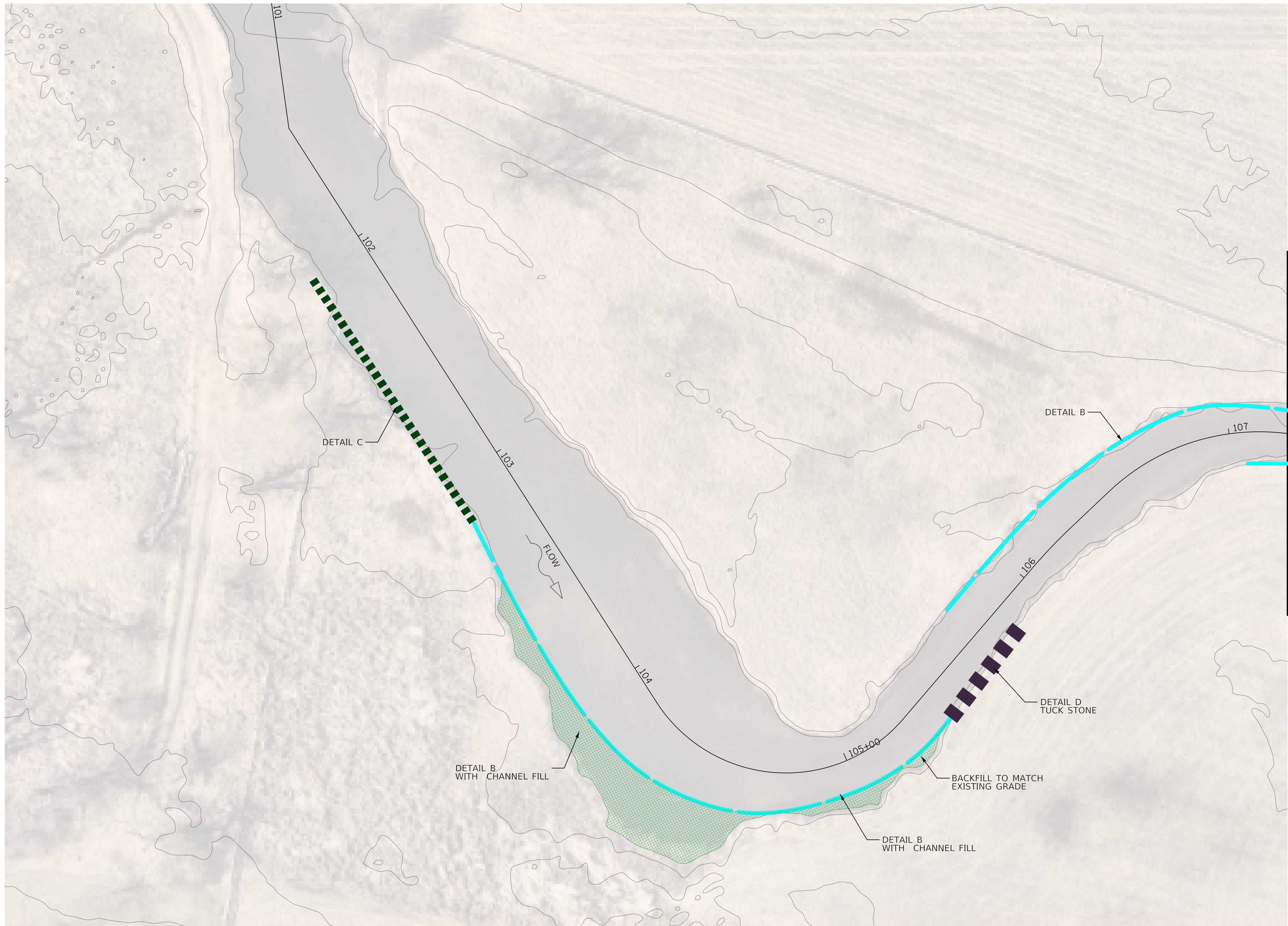
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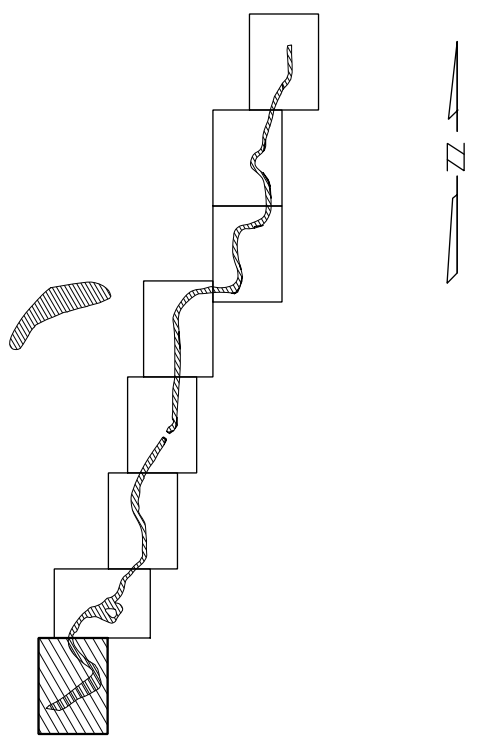
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**CREEK RESTORATION PLAN**

PROJ. NO. 220537  
 DATE: 11/18/24 BID  
 SHEET 30 OF 36  
 DRAWING NO.



LEGEND	
	DETAIL A
	DETAIL B
	DETAIL C
	DETAIL D (TUCK STONE)
	PROPOSED BANK GRADING
	WATER LIMIT
	RIPARIAN WETLANDS
	SC SLIT CURTAIN
	PROPOSED CONTOURS
NOTE: ALL PROPOSED CATCH BASINS SHALL HAVE OPEN (BEEHIVE) GRATES.	
	CBBEL / MCHENRY COUNTY CONTOUR SURVEY BOUNDARY

MAP KEY



MATCH LINE - 107 + 25

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 459 West Hwy. 22, Barrington, IL., 60010

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:	Default
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CAD USER:	mgratzke				

TITLE:  
**CREEK RESTORATION PLAN**

PROJ. NO. 220537  
 DATE: 11/18/24 BID  
 SHEET 31 OF 36  
 DRAWING NO.

# McHenry County Standard SESC Notes

- Control measures shall meet the minimum standards and specifications of the *Illinois Urban Manual* ([www.aiswcd.org/IUM](http://www.aiswcd.org/IUM)) unless stated otherwise.
- Soil disturbance shall be conducted in such a manner as to minimize erosion. Areas of the development site that are not to be disturbed shall be protected from construction traffic or other disturbance until final stabilization is achieved.
- Soil stabilization measures shall consider the time of year, development site conditions and the use of temporary or permanent measures.
- Stabilization by seeding shall include topsoil placement and fertilization, as necessary.
- Native seed mixtures shall include rapid-growing annual grasses or small grains to provide initial, temporary soil stabilization.
- Offsite property shall be protected from erosion and sedimentation. Velocity dissipation devices shall be placed at concentrated discharge locations and along the length of any outfall channel, as necessary to prevent erosion.
- Sediment control measures shall be installed prior to the disturbance of tributary areas.
- Stabilization of disturbed areas shall be initiated immediately whenever any clearing, grading, excavating or other earth disturbing activities have permanently ceased on any portion of the development site, or temporarily ceased on any portion of the development site and will not resume for a period exceeding 14 calendar days. Stabilization of disturbed areas shall be initiated within 1 working day of permanent or temporary cessation of earth disturbing activities and shall be completed as soon as possible, but not later than 14 calendar days from the initiation of stabilization work in an area. Exceptions to these time frames are specified below:
  - Where the initiation of stabilization measures is precluded by snow cover, stabilization measures shall be initiated as soon as practicable; and
  - In areas where construction activity has temporarily ceased and will resume after 14 days, a temporary stabilization method may be used.
- Disturbance of steep slopes shall be minimized. Areas or embankments having slopes steeper than 3:1 shall be stabilized with staked in place sod, erosion control blanket in combination with seeding, or an equivalent control measure.
- Perimeter control measures shall be provided downslope and perpendicular to the flow of runoff from disturbed areas, where the tributary area is greater than 5,000 square feet, and where runoff will flow in a sheet flow manner. Perimeter erosion control shall also be provided at the base of soil stockpiles.
- The stormwater management system shall be protected from erosion and sedimentation downslope from disturbed areas. Inlet protection that reduces sediment loading, while allowing runoff to enter the inlet shall be required for all storm sewers. Check dams, or an equivalent control measure, shall be required for all channels. Filter fabric inlet protection and straw bale ditch checks are not acceptable control measures.
- If dewatering services are used, discharges shall be routed through an effective sediment control measure (e.g., sediment trap or an equivalent control measure). The Enforcement Officer shall be notified prior to the commencement of dewatering activities.
- All temporary soil erosion and sediment control measures shall be removed within 30 days after final stabilization of the development site is achieved or after the temporary measures are no longer necessary. Trapped sediment shall be removed and disturbed areas shall be permanently stabilized.
- Stockpiled soil and materials shall be removed from flood hazard areas at the end of each work day. Soil and materials stockpiled in IWMC or buffer areas shall be placed on timber mats, or an equivalent control measure.
- Effective control measures shall be utilized to minimize the discharge of pollutants from the development site. At a minimum, control measures shall be implemented in order to:
  - Minimize the discharge of pollutants from equipment and vehicle washing, wheel wash water, and other wash water; and
  - Minimize the exposure of building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, vehicle fluids, sanitary waste, and other materials present on the development site to precipitation and to stormwater.
- Adequate receptacles shall be provided for the depositing of all construction material debris generated during the development process. The applicant shall not cause or permit the dumping, depositing, dropping, throwing, discarding or leaving of construction material debris upon or into any development site, channel, or IWMC. The development site shall be maintained free of construction material debris.
- The Enforcement Officer may require additional or alternate soil erosion and sediment control measures, based on development site specific considerations and the effectiveness of the installed control measures.

## Standard Drain Tile Notes

- Drain tiles disturbed during regulated development shall be reconnected by those responsible for their disturbance, unless the development plans specify abandonment of the drain tiles.
- Drain tiles within the disturbed area of a development site shall be replaced, bypassed around the development site or intercepted and connected to the stormwater management system for the development site. The size of the replaced or bypassed drain tile shall be equivalent to the existing drain tile.

## SOIL EROSION CONTROL AND SEDIMENT CONTROL NOTES

- SOIL EROSION AND SEDIMENT CONTROL (SESC) FEATURES MUST BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF UPLAND DISTURBANCE. SOIL DISTURBANCE MUST BE PHASED OR ENACTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES MUST CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY AND/OR PERMANENT MEASURES.
- UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSTALLED AT MINIMUM ACCORDING TO THE STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL, REVISED TO LATEST VERSION AS AMENDED. A COPY OF THE APPROVED SOIL EROSION AND SEDIMENT CONTROL (SESC) PLAN MUST BE MAINTAINED ON THE SITE AT ALL TIMES.
- THE EROSION AND SEDIMENT CONTROLS SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED AS DIRECTED BY THE VILLAGE, OR THEIR AUTHORIZED REPRESENTATIVE. ALL ADDITIONAL MEASURES MUST BE IN PLACE WITHIN 3 DAYS OF DISTURBANCE AND ANY EMERGENCY SESC MEASURES MUST BE INSTALLED IMMEDIATELY.
- THE CONTRACTOR MUST CLEAN UP, GRADE THE WORK AREAS AS THE PROJECT PROGRESSES, AND INSTALL EROSION PROTECTION TO ELIMINATE THE CONCENTRATION OF RUNOFF, OR MUST INSTALL APPROPRIATE SEDIMENT CONTROL DEVICES TO TRAP SEDIMENT. PAVEMENT MUST BE CLEANED DAILY OR AS NECESSARY TO REMOVE TRACK-OUT MATERIAL.
- AFTER ALL PERIMETER EROSION BARRIER IS REMOVED, THE AREAS DAMAGED BY THE PERIMETER EROSION BARRIER MUST BE RESTORED.
- TEMPORARY CONSTRUCTION ENTRANCES WITH SEDIMENT CONTROL BMPS WILL BE CONSTRUCTED AT ALL LOCATIONS WHERE CONSTRUCTION TRAFFIC ENTERS OF LEAVES THE SITE. GRAVELED ROADS, ACCESS DRIVES, PARKING AREAS OF SUFFICIENT WIDTH AND LENGTH, AND VEHICLE WASH DOWN FACILITIES IF NECESSARY, MUST BE PROVIDED TO PREVENT THE DEPOSIT OF SOIL FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. ANY SOIL REACHING PUBLIC OR PRIVATE ROADWAY MUST BE REMOVED IMMEDIATELY.
- SOIL STABILIZATION OF DISTURBED AREAS MUST, AT A MINIMUM, BE INITIATED IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING, OR OTHER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. STABILIZATION OF DISTURBED AREAS MUST BE INITIATED WITHIN 1 WORKING DAY OF PERMANENT OR TEMPORARY CESSATION OF EARTH DISTURBING ACTIVITIES AND SHALL BE COMPLETED AS SOON AS POSSIBLE BUT NOT LATER THAN 14 DAYS FROM THE INITIATION OF STABILIZATION WORK IN AN AREA.
- STOCK PILES OR SOIL MUST NOT BE LOCATED IN FLOOD PLAINS, RIPARIAN AREAS (VEGETATED FLOOD PLAINS), WETLANDS, BUFFERS DEFINED BY DUPAGE COUNTY ORDINANCE, AND WATERS OF THE U.S., UNLESS OTHERWISE AUTHORIZED BY THE RELEVANT PERMITTING AUTHORITY. IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS, PERIMETER EROSION BARRIER MUST BE PROVIDED. IF THE STOCKPILE IS INACTIVE FOR MORE THAN 14 DAYS, SOIL STABILIZATION MUST BE PROVIDED BY THE 7TH DAY AFTER ACTIVITY HAS STOPPED.
- CONTRACTOR MUST INSTALL PERIMETER EROSION BARRIER AT ANY LOCATION IN WHICH SHEET FLOWS MAY RESULT IN SEDIMENT RUNOFF OUTSIDE THE CONSTRUCTION LIMITS. THE CONTRACTOR MAY USE OTHER METHODS TO CONTROL RUNOFF, INCLUDING, BUT NOT LIMITED TO, TEMPORARY DIVERSION SWALES, TEMPORARY SEDIMENT TRAPS, SHAPED DITCHES TO CONVEY WATER, ETC.
- THE CONTRACTOR SHALL PROVIDE A QUALIFIED PERSON WHO WILL BE RESPONSIBLE FOR CONDUCTING SITE INSPECTIONS IN COMPLIANCE WITH THE ILR10 NPDES PERMIT. AFTER EACH INSPECTION, A REPORT SHALL BE PREPARED BY THE PERSON WHO PERFORMED THE INSPECTION AND SUBMITTED TO THE COUNTY & OWNERS REPRESENTATIVE IN A TIMELY MANNER. INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM, OR BY THE END OF THE FOLLOWING BUSINESS DAY, THAT IS 0.5 INCHES OR GREATER. INSPECTIONS MAY BE REDUCED TO ONCE PER MONTH WHEN CONSTRUCTION ACTIVITIES HAVE CEASED DUE TO FROZEN CONDITIONS. INSPECTIONS MUST COMMENCE WHEN CONSTRUCTION ACTIVITIES ARE CONDUCTED, OR IF THERE IS A 0.5" OR GREATER RAIN EVENT, OR DISCHARGE DUE TO SNOWMELT OCCURS.
- STREET SWEEPING SHALL OCCUR AT THE DISCRETION OF THE VILLAGE OR COUNTY THEIR AUTHORIZED REPRESENTATIVE.
- ALL DEWATERING BAGS MUST BE LOCATED OUTSIDE THE FLOODPLAIN.
- THE MEANS, METHODS, AND LOCATIONS FOR DEWATERING AND/OR IN-STREAM WORK MATERIALS SHALL BE COORDINATED WITH AND APPROVED BY KDSWCD PRIOR TO COMMENCEMENT OF CONSTRUCTION.

## WORK WITHIN A WATERWAY MUST MEET THE FOLLOWING STANDARDS:

- WORK IN THE WATERWAY SHOULD BE TIMED TO TAKE PLACE DURING LOW OR NO-FLOW CONDITIONS. LOW FLOW CONDITIONS ARE FLOW AT OR BELOW NORMAL WATER ELEVATION.
- CONTRACTOR SHALL INSTALL TEMPORARY COFFERDAM AND BYPASS PUMP TO COMPLETE THE WORK "IN THE DRY".
- THE CONTRACTOR SHALL BLOCK CONCENTRATED FLOW FROM THE WORK AREA USING A NON-ERODIBLE COFFERDAM (SANDBAGS WRAPPED IN PLASTIC (30 MIL MINIMUM), STEEL SHEETS, AQUA BARRIERS, ETC.).
- WORK MAY NOT BE PERFORMED IN THE WATER, EXCEPT FOR THE PLACEMENT OF THE MATERIALS NECESSARY FOR THE CONSTRUCTION OF THE COFFERDAM. THE COFFERDAM MUST BE CONSTRUCTED

FROM THE UPLAND AREA AND NO EQUIPMENT MAY ENTER THE WATER AT ANY TIME. IF THE INSTALLATION OF THE COFFERDAM CANNOT BE COMPLETED FROM SHORE AND ACCESS IS NEEDED TO REACH THE AREA TO BE COFFERED, OTHER MEASURES, SUCH AS THE CONSTRUCTION OF A CAUSEWAY WILL BE NECESSARY TO ENSURE THAT EQUIPMENT DOES NOT ENTER THE WATER. ONCE THE COFFERDAM IS IN PLACE AND THE ISOLATED AREA IS DEWATERED, EQUIPMENT MAY ENTER THE COFFERED AREA TO PERFORM THE REQUIRED WORK.

- DURING DEWATERING OF THE COFFERED AREA, THE INTAKE HOSE SHALL BE PLACED IN A STABILIZED SUMP PIT OR FLOATED TO PREVENT SEDIMENT FROM ENTERING THE HOSE. THE PUMPED WATER SHALL BE DISCHARGED BACK INTO THE CHANNEL OVER A 6" RIPRAP DISSIPATION PAD OR EQUIVALENT TO PREVENT EROSION. **INCLUDED IN THE COST OF TEMPORARY BYPASS PUMPING SYSTEM.**
- ALL FLOW PUMPED WITHIN THE WORK ZONE MUST PASS THROUGH A FILTER BAG PER THE ILLINOIS URBAN MANUAL PRIOR TO DISCHARGE.
- IT IS THE CONTRACTORS RESPONSIBILITY TO SIZE AND OPERATE THE PUMP IN ACCORDANCE WITH THE FLOW RATE. THE OWNER AND ENGINEER HAVE NO RESPONSIBILITY FOR PUMP SELECTION.
- THE PORTION OF THE SIDE SLOPE THAT IS ABOVE THE OBSERVED WATER ELEVATION SHALL BE STABILIZED AS SPECIFIED IN THE PLANS PRIOR TO ACCEPTING FLOWS. THE SUBSTRATE AND TOE OF SLOPE THAT HAS BEEN DISTURBED DUE TO CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO PRECONSTRUCTION CONDITIONS AND FULLY STABILIZED PRIOR TO ACCEPTING FLOWS.
- THE PUMPING PLAN STAGING SHALL BE SUBMITTED TO THE OWNER FOR APPROVAL PRIOR TO THE START OF CONSTRUCTION.
- THIS WATERWAY WORK WILL BE PAID FOR AS TEMPORARY BYPASS PUMPING SYSTEM.

## SUGGESTED SOIL EROSION AND SEDIMENT CONTROL CONSTRUCTION STAGING GENERAL SEQUENCE OF CONSTRUCTION:

- INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AND STABILIZED CONSTRUCTION ENTRANCES.
- TREE AND VEGETATION REMOVAL.
- INSTALL COFFERDAM AND BY-PASS FLOW DIVERSION TO ALLOW WORK TO BE COMPLETED "IN THE DRY"
- COMPLETE CHANNEL EXCAVATION AND STABILIZATION.
- INSTALL PERMANENT OR TEMPORARY SOIL STABILIZATION AND LANDSCAPING.
- REMOVE TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES.

## SOIL EROSION CONTROL AND SEDIMENT CONTROL NOTES

- Soil erosion and sediment control (SESC) features must be constructed prior to the commencement of upland disturbance. Soil disturbance must be phased or enacted in such a manner as to minimize erosion soil stabilization measures must consider the time of year, site conditions and the use of temporary and/or permanent measures.
- Unless otherwise indicated, all vegetative and structural erosion and sediment control practices will be installed at minimum according to the standards and specifications in the Illinois Urban Manual, revised to latest version as amended. A copy of the approved soil erosion and sediment control (SESC) plan must be maintained on the site at all times.
- The erosion and sediment controls shown on the plans are the minimum requirements. Additional measures may be required as directed by the Village, or their authorized representative. All additional measures must be in place within 3 days of disturbance and any emergency SESC measures must be installed immediately.
- The contractor must clean up, grade the work areas as the project progresses, and install erosion protection to eliminate the concentration of runoff, or must install appropriate sediment control devices to trap sediment. Pavement must be cleaned daily or as necessary to remove track-out material.
- After all perimeter erosion barrier is removed, the areas damaged by the perimeter erosion barrier must be restored.
- It shall be the responsibility of the contractor to divert all water (ground, storm, and construction) during construction in order to keep the construction areas freed of water, bypass pumping, including silt bags and an energy dissipation surface for the pumps, shall not be measured and paid for separately but shall be considered incidental to the cost of weir structure. It shall be the contractor's responsibility to size the pumps appropriately.
- During de-watering/pumping operations, only uncontaminated water should be allowed to discharge to protected natural areas, Waters of the State, or to a storm sewer system (in accordance with local permits). Inlet hoses should be placed in a stabilized sump pit or floated at the surface of the water in order to limit the amount of sediment intake. Pumping operations may be discharged to a stabilized area that consists of an energy dissipating device (e.g., stone), sediment filter bag, or both. Adequate erosion and sediment controls should be

used during de-watering operations as necessary. Dewatering sediment laden water directly into field tiles, storm water structures, or "Waters of the US" is prohibited.

- Any work within a stream or ditch capable of conveying water must be conducted in the dry. Provisions must be made to by-pass pump or dewater any areas within the stream or ditch in which work will be conducted.
- Construction activities must be scheduled to minimize the time soil is exposed and unprotected. In no case will the existing vegetation be destroyed, removed, or disturbed more than fourteen (14) days prior to the initiation of improvements.
- Temporary construction entrances will be constructed at all locations where construction traffic enters of leaves the site. Graveled roads, access drives, parking areas of sufficient width and length, and vehicle wash down facilities if necessary, must be provided to prevent the deposit of soil from being tracked onto public or private roadways. Any soil reaching public or private roadway must be removed immediately.
- All disturbed soils are to be stabilized, temporarily or permanently, within seven (7) days of construction activity having ceased if the soil is to remain undisturbed for more than fourteen (14) days.
- Stock piles or soil must not be located in flood plains, riparian areas (vegetated flood plains), wetlands and waters of the U.S., unless otherwise authorized by the relevant permitting authority. If a stockpile is to remain in place for more than three days, perimeter erosion barrier must be provided. If the stockpile is inactive for more than 14 days, soil stabilization must be provided by the 7<sup>th</sup> day after activity has stopped.
- Contractor must install perimeter erosion barrier at any location in which sheet flows may result in sediment runoff outside the construction limits. The contractor may use other methods to control runoff, including, but not limited to, temporary diversion swales, temporary sediment traps, shaped ditches to convey water, etc.
- The OWNER, or their authorized representative, must make inspections a minimum of once every seven days of the following: 1) disturbed areas of the project site that have not been fully stabilized, 2) structural control measures (Silt fences, etc), and 3) locations where vehicles enter and exit the site. An additional inspection of the items listed above must be made within twenty-four (24) hours of a 0.5-inch or greater rainfall or equivalent snowfall.

CLIENT:

**Citizens for Conservation**

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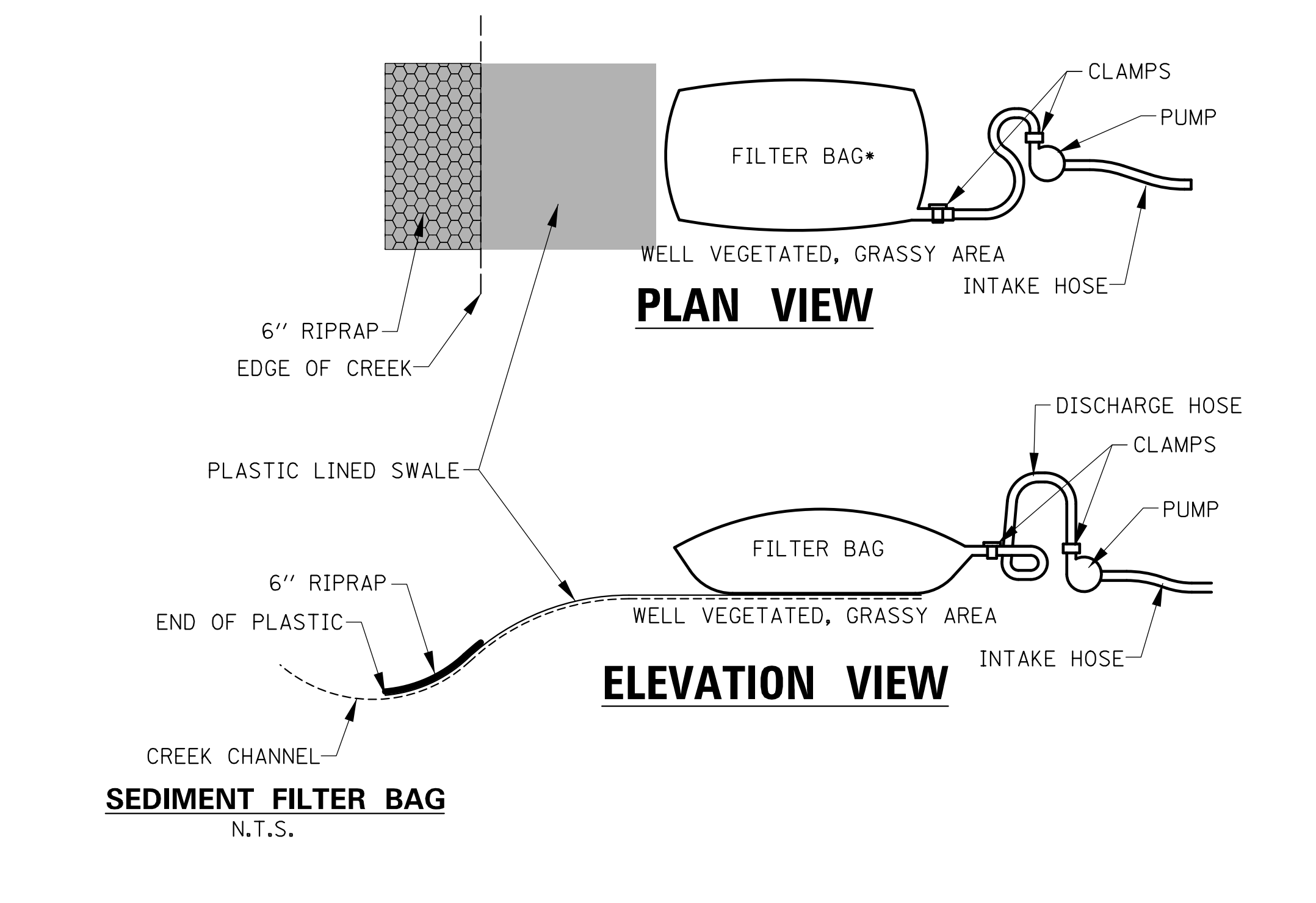
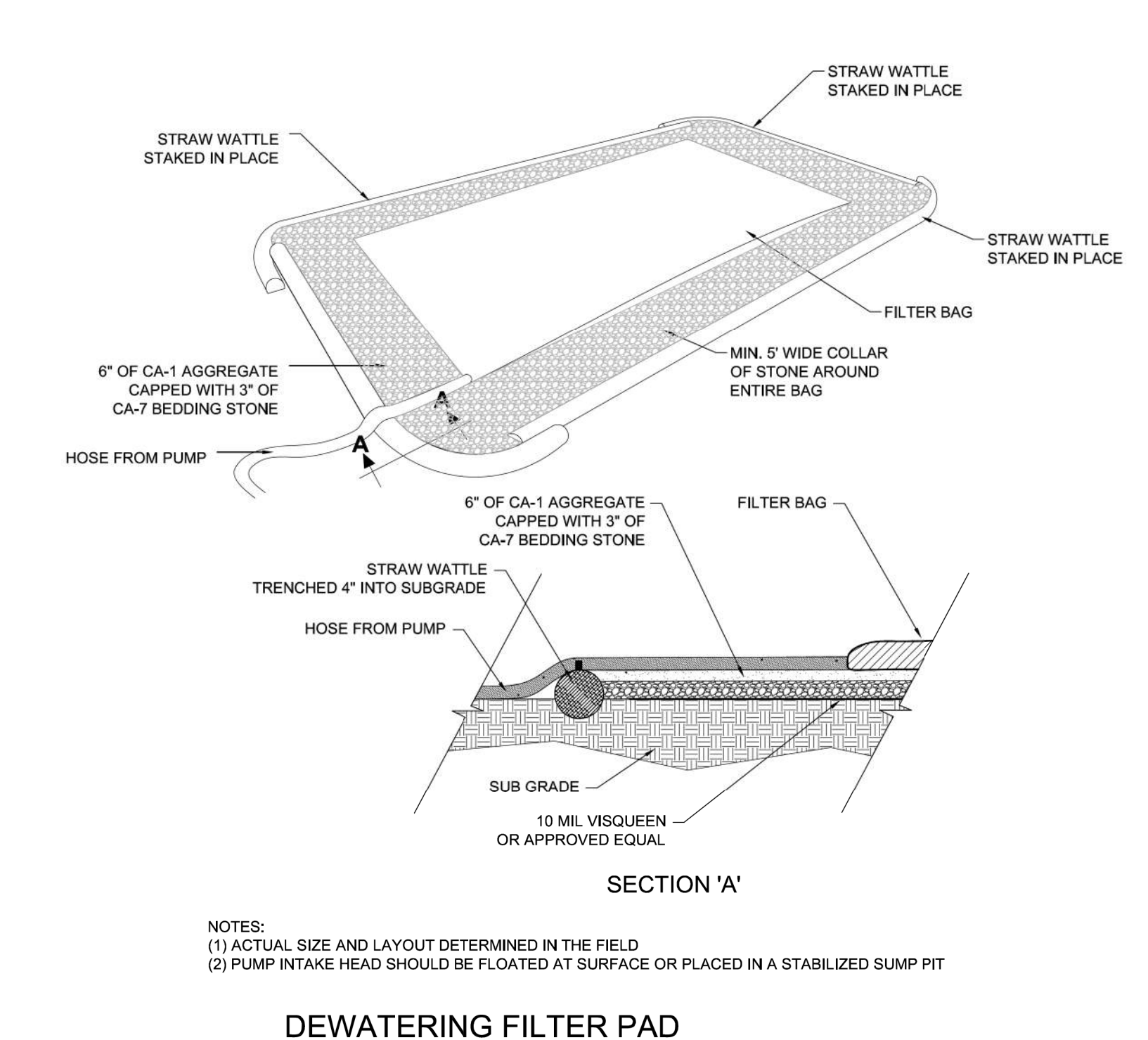
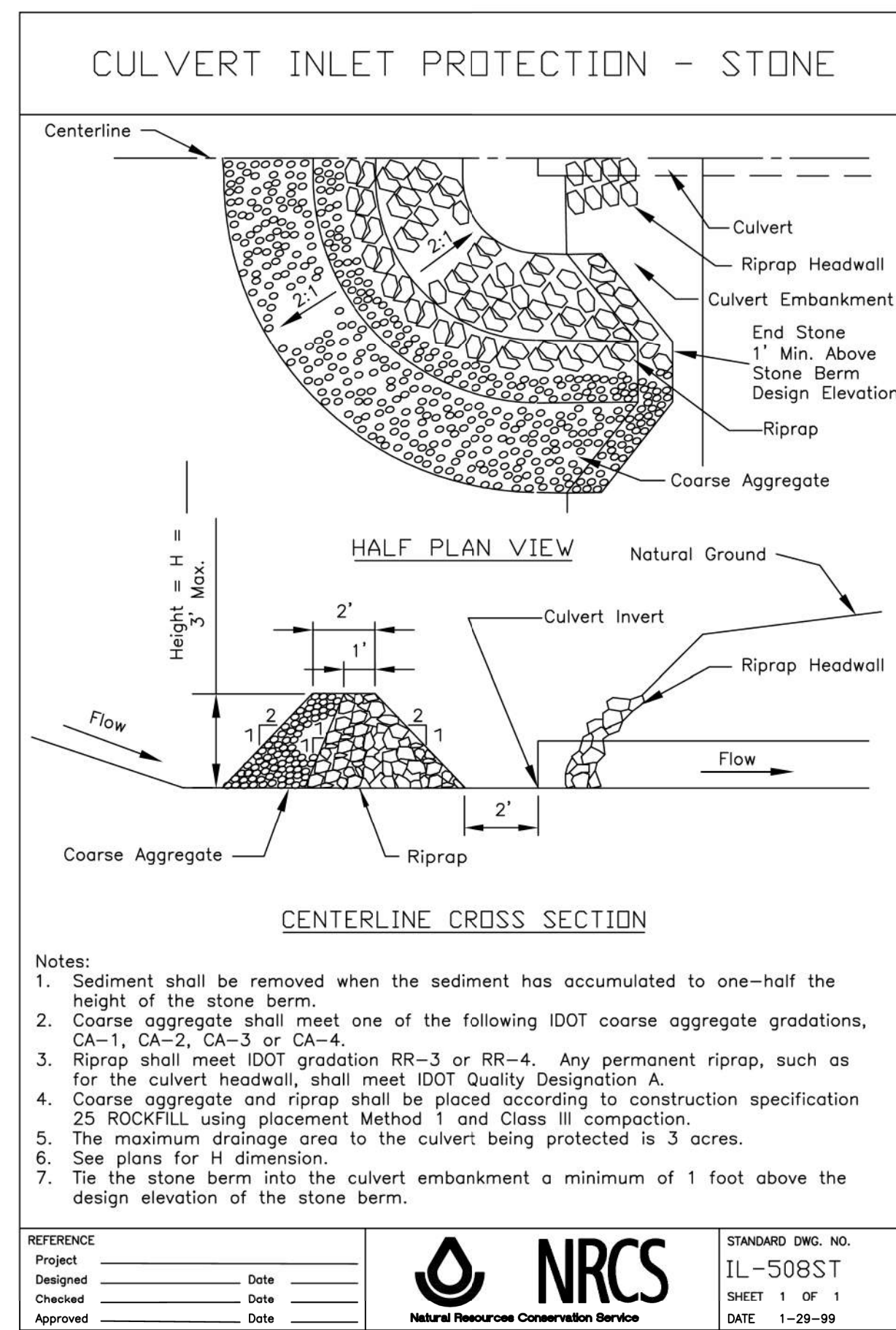
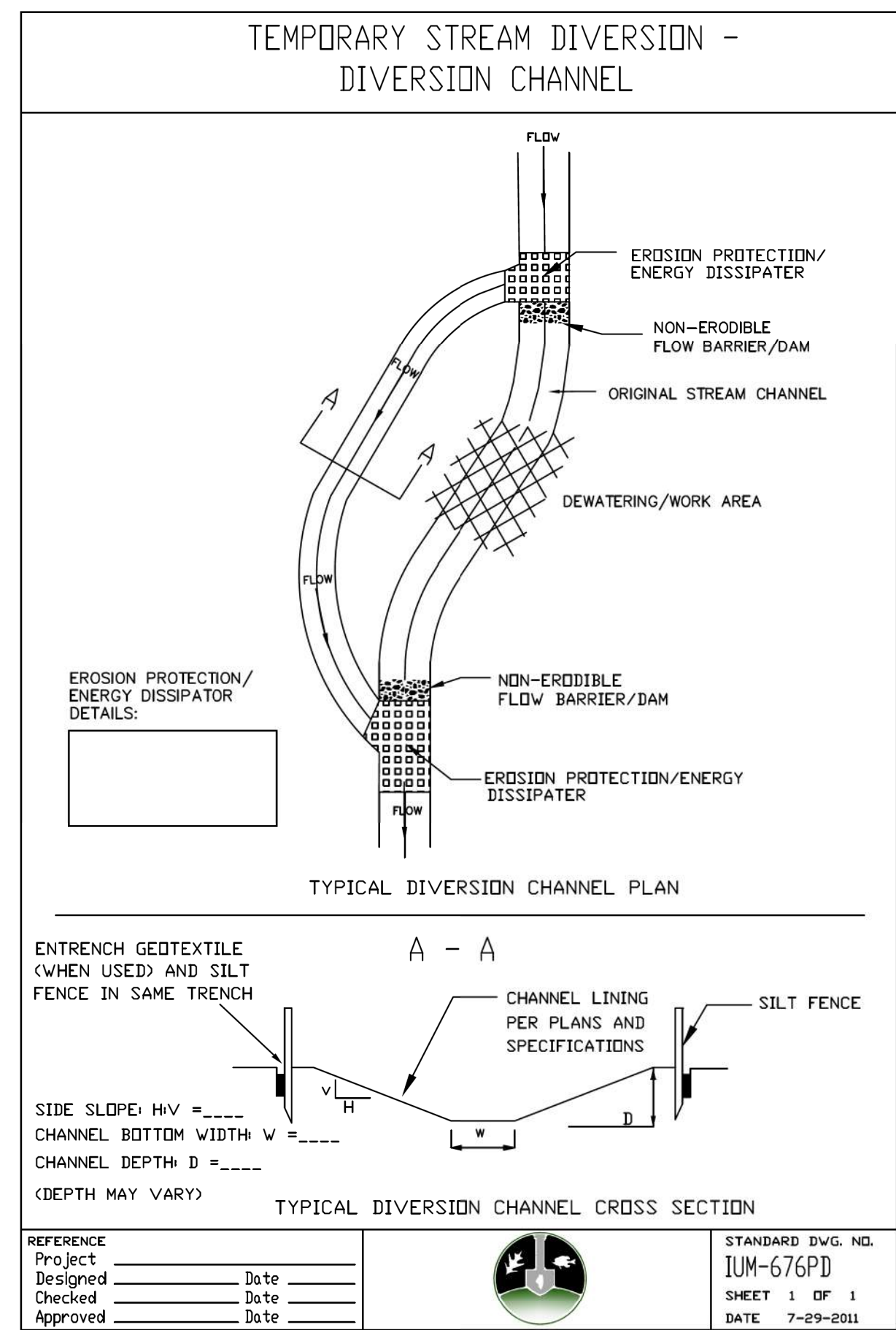
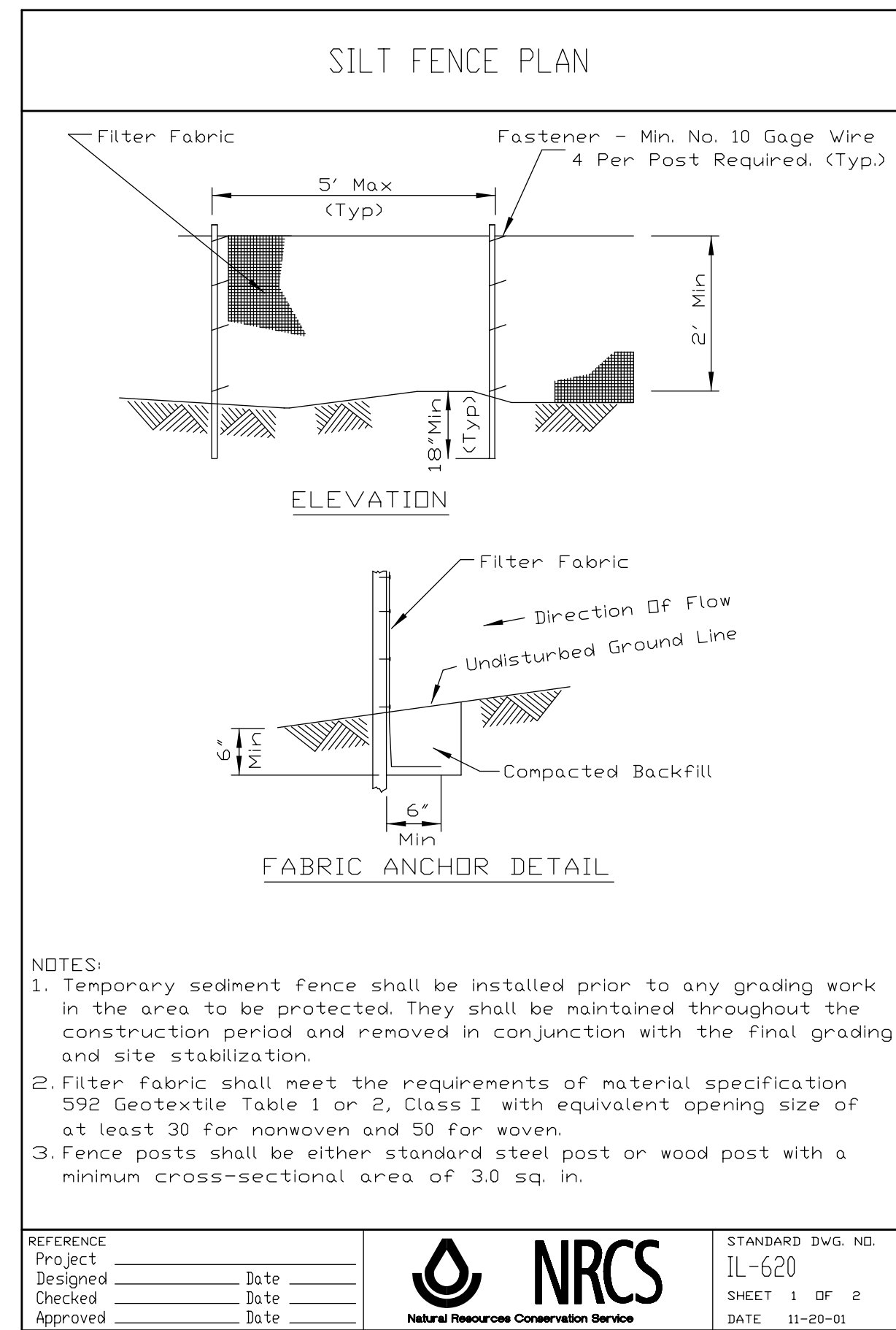
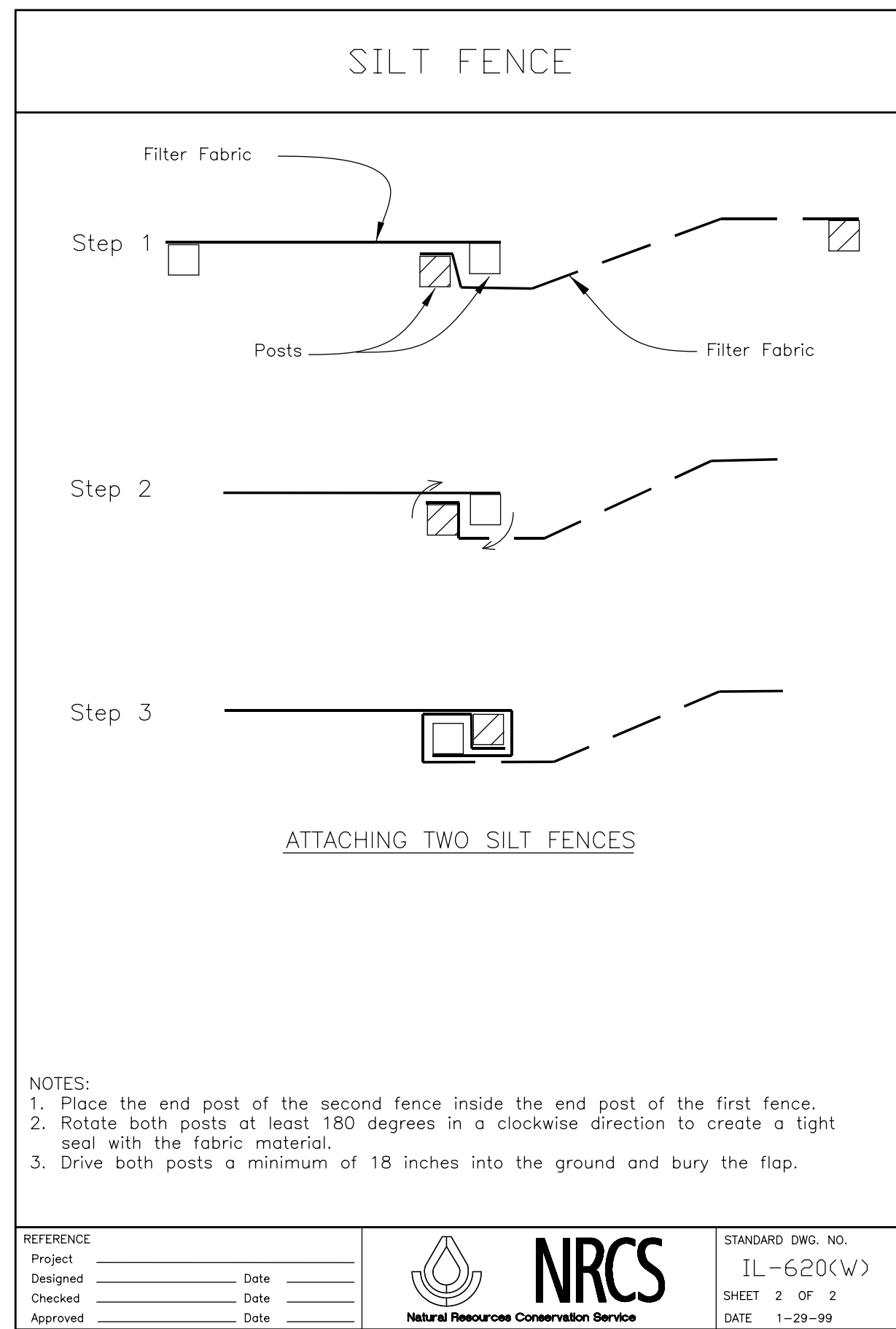
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DATE:	11/18/24 BID
SHEET	32 OF 36
DRAWING NO.	<b>NOT</b>

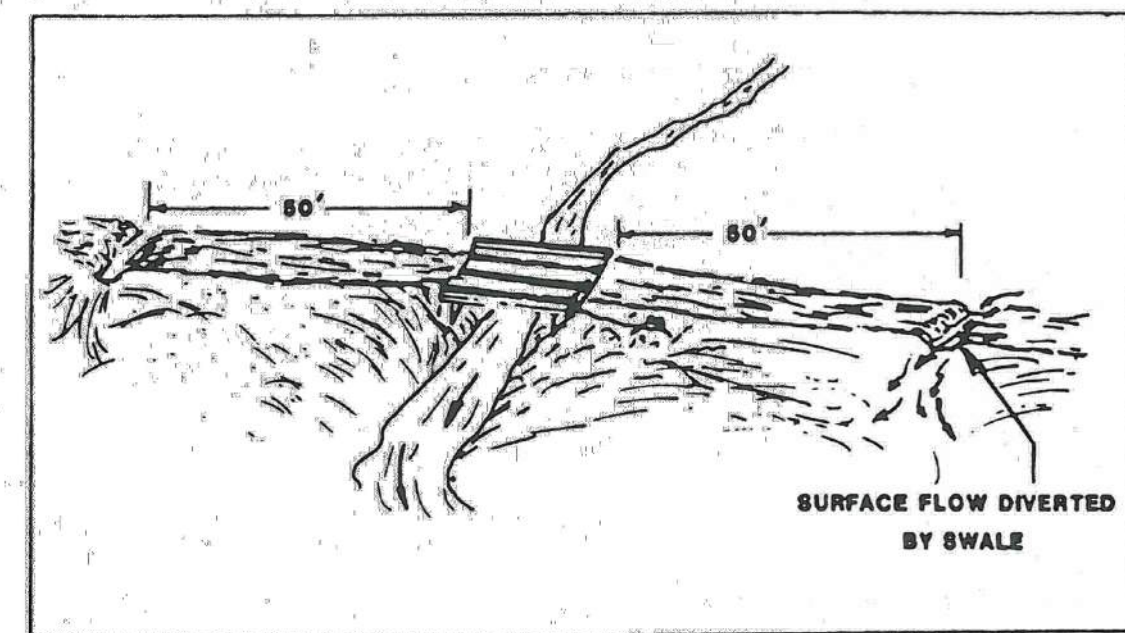
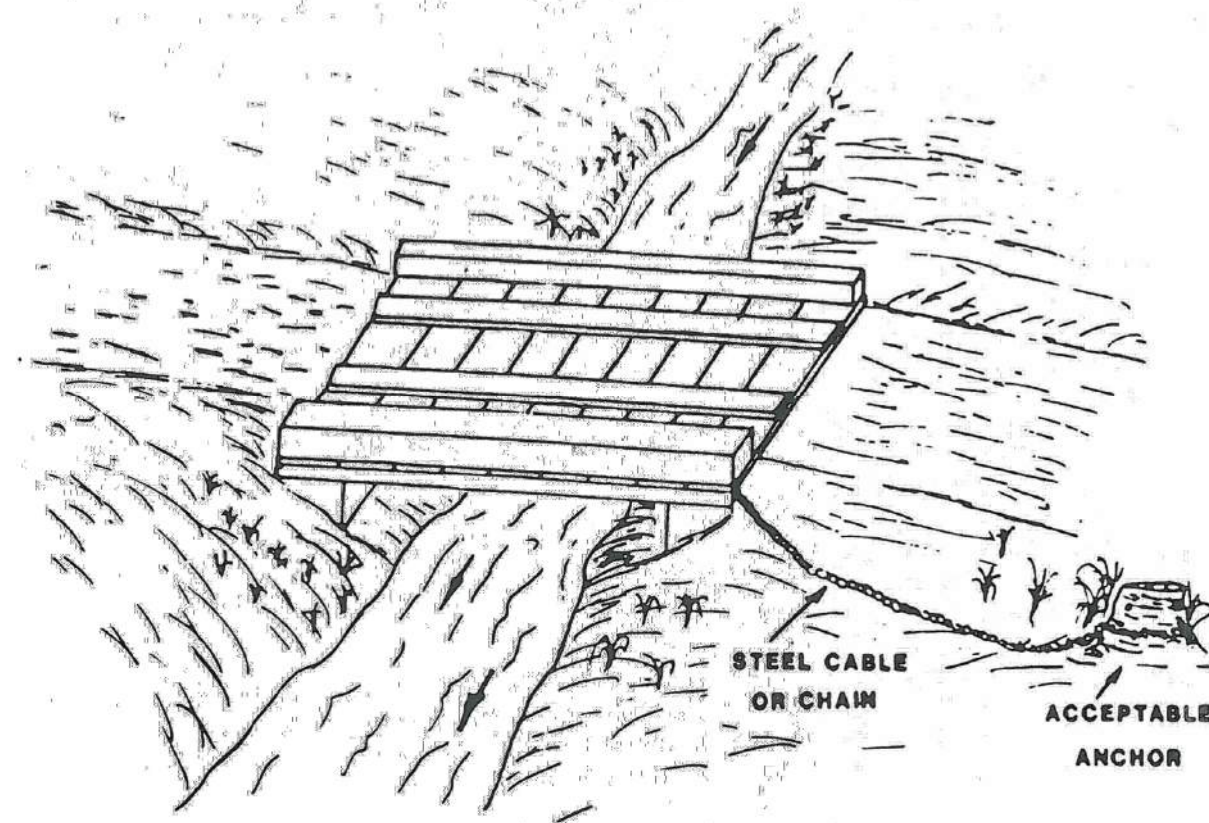
**SEDIMENT EROSION CONTROL DETAILS**





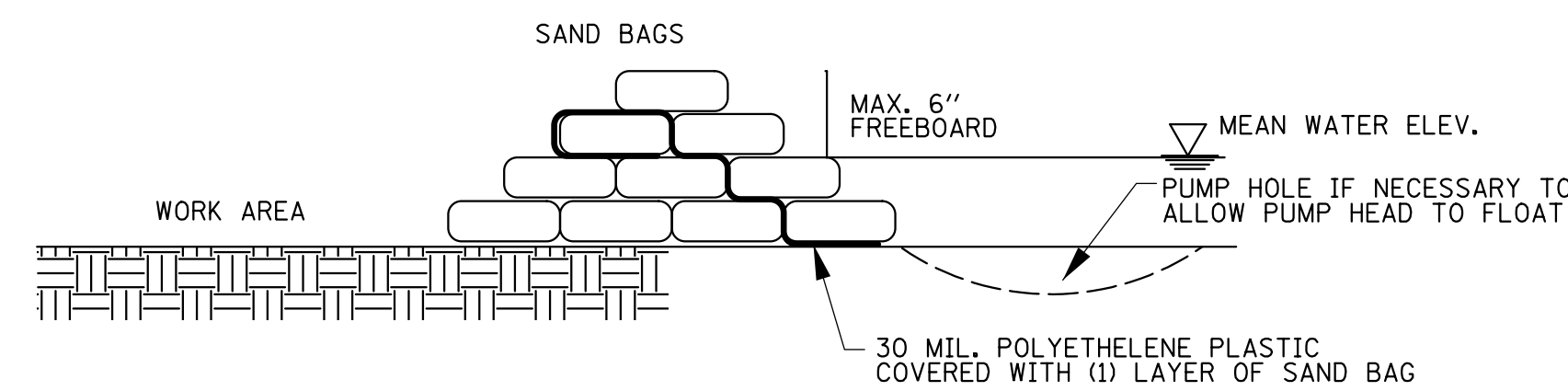


NOTES FOR DETAIL A, B, C AND D:  
 EXCAVATION IS INCLUDED IN THE COST OF STREAM STABILIZATION. SEED AND EROSION CONTROL IS PAID SEPARATELY

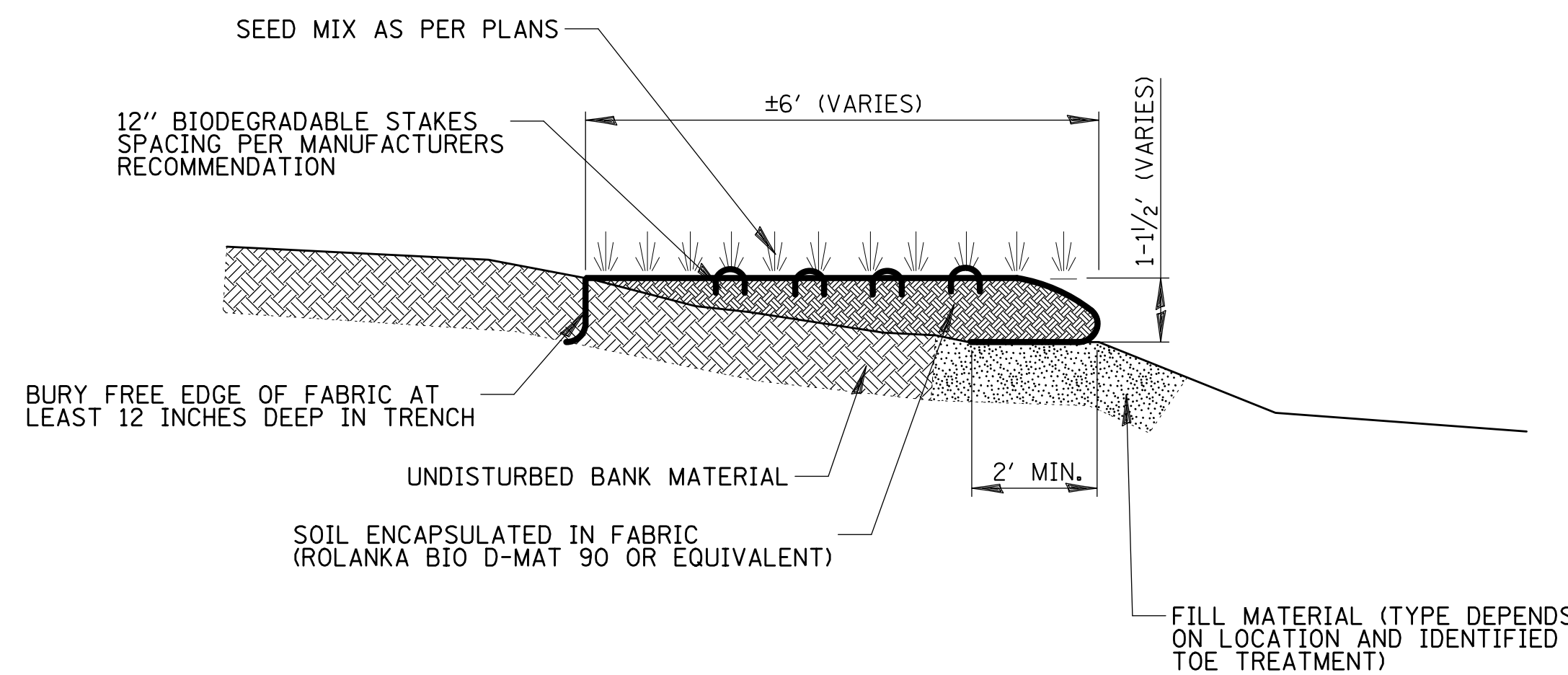


<b>B</b>	TEMPORARY ACCESS BRIDGE	STANDARD DRAWING
		TAB 1

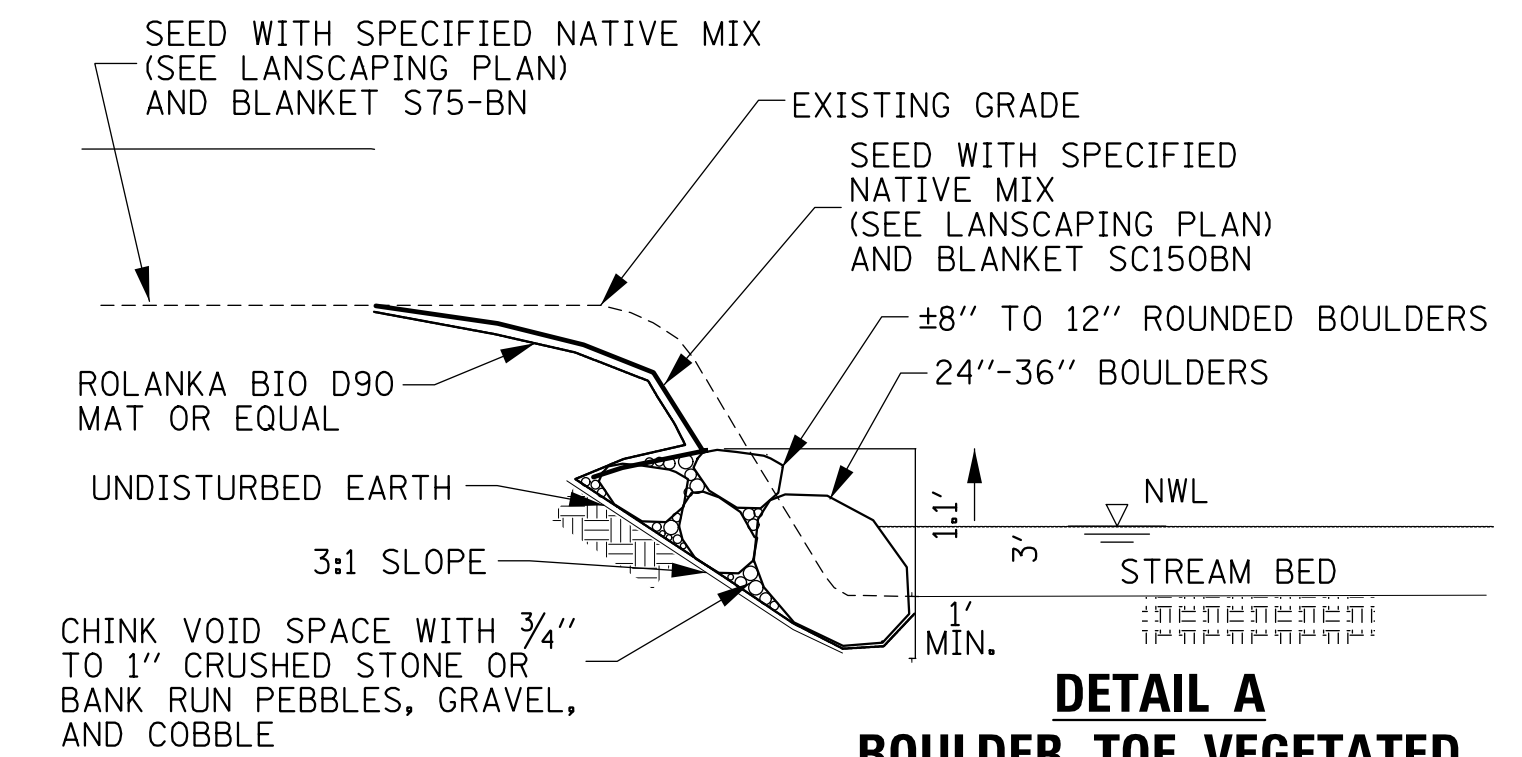
**TEMPORARY ACCESS BRIDGE**  
 PAID AS TEMPORARY STREAM CROSSING  
 NTS



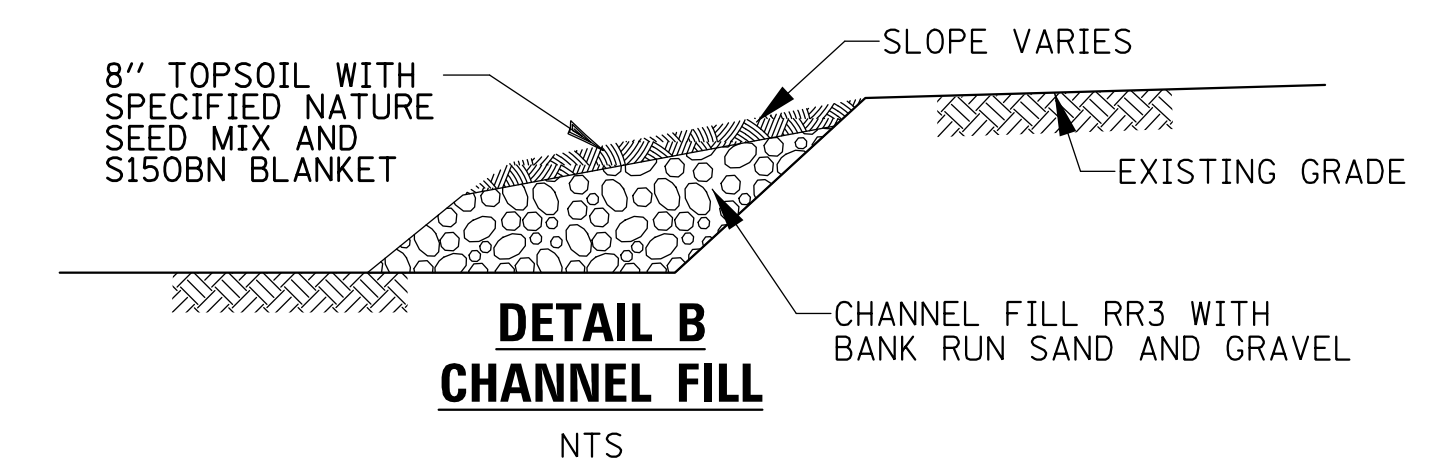
**SANDBAG COFFERDAM**  
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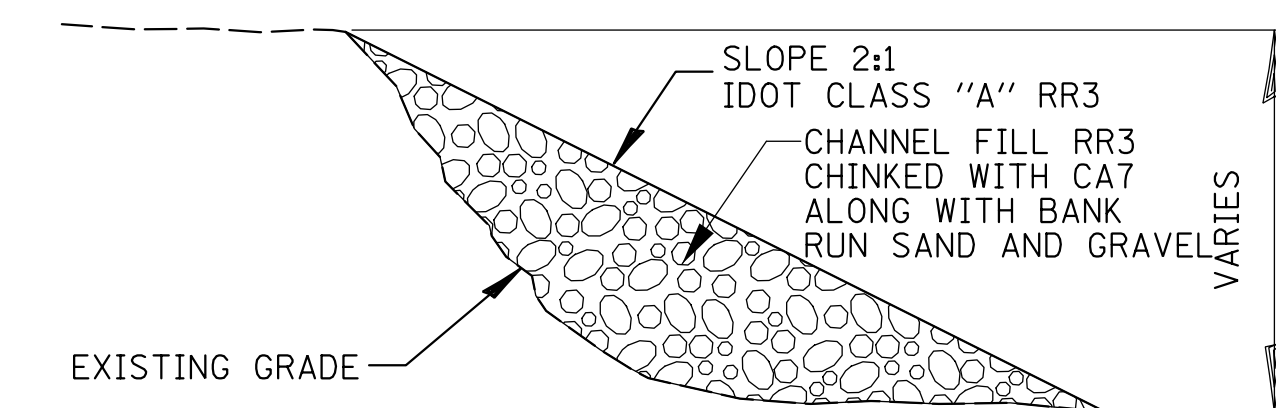
**FABRIC ENCAPSULATED SOIL WRAP**  
 NTS



**DETAIL A  
 BOULDER TOE VEGETATED**  
 NTS

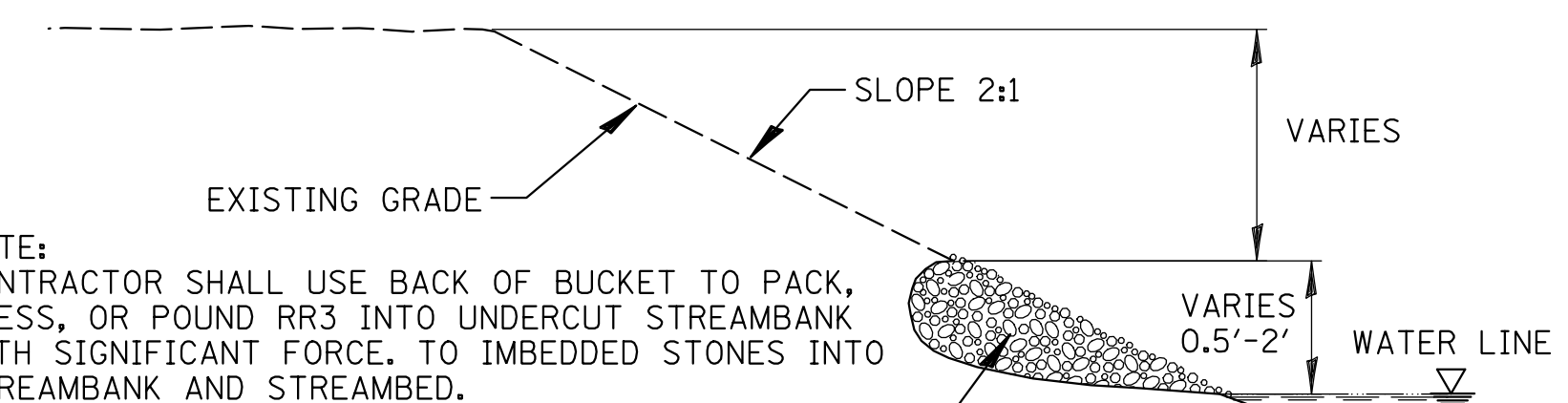


**DETAIL B  
 CHANNEL FILL**  
 NTS



**DUMPED RIPRAP DETAIL  
 DETAIL C**  
 NTS

RIP RAP SHALL BE PRESSED AND/OR POUNDED WITH THE BACK OF THE BACKHOE OR OTHER IMPLEMENT TO COMPACT AND EMBED MATERIAL AS TIGHTLY AS POSSIBLE INTO AND AGAINST THE STREAMBANK AND INTO THE STREAMBED.



NOTE: CONTRACTOR SHALL USE BACK OF BUCKET TO PACK, PRESS, OR POUND RR3 INTO UNDERCUT STREAMBANK WITH SIGNIFICANT FORCE. TO IMBEDDED STONES INTO STREAMBANK AND STREAMBED.

**TUCKED STONE DETAIL  
 DETAIL D**  
 NTS

**CHRISTOPHER B. BURKE ENGINEERING, LTD.**  
 9575 W. Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

CLIENT:  
**Citizens for Conservation**  
 459 West Hwy. 22, Barrington, IL., 60010

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
				Default

TITLE:  
**CONSTRUCTION DETAILS**

PROJ. NO. 220537
DATE: 11/18/24 BID
SHEET 35 OF 36
DRAWING NO.

