

TOPOGRAPHIC SURVEY

GERALD L. HEINZ & ASSOCIATES, INC.
 206 NORTH RIVER STREET
 EAST DUNDEE,
 ILLINOIS 60118
 PHONE: 847-426-4535

DEVELOPER/OWNER

DANIEL & JENNIFER DAVIS
 40W704 POWERS ROAD
 HUNTLEY, IL 60142

ARCHITECT

ENGINEER

GERALD L. HEINZ & ASSOCIATES, INC.
 206 NORTH RIVER STREET
 EAST DUNDEE,
 ILLINOIS 60118
 PHONE: 847-426-4535

COUNTY

KANE COUNTY
 WATER RESOURCES DEPARTMENT
 719 S. BATAVIA AVE.
 GENEVA, IL 60134
 (630) 232-3497

BENCHMARK

TOP OF FOUND IRON PIPE (SEE PLAN)
 ELEV = 889.82

OPERATES 24 HOURS 365 DAYS
 CALL JULIE 811
 WITH THE FOLLOWING:
 COUNTY KANE
 CITY HUNTLEY
 SEC. 3 T42N, R7E
48 HOURS BEFORE YOU DIG.
 EXCLUDING SAT., SUN. & HOLIDAYS

"ALL CONTRACTORS AND SUB-CONTRACTORS WHO WORK ON THIS PROJECT AGREE TO CONFORM TO THE RULES AND REGULATIONS OF ALL APPLICABLE AGENCIES".

**FINAL ENGINEERING PLANS
 FOR**

PROPOSED GRADING IMPROVEMENTS

**DAVIS SITE
 KANE COUNTY, IL**
 Section 3, Township 42 N, Range 7 E



LOCATION MAP

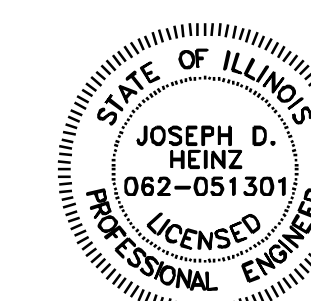
LEGEND

EXISTING		PROPOSED
	SPOT ELEVATION	
	TREE WITH DIAMETER SIZE	
	DRAINAGE ARROW	
	TOP OF FOUNDATION	
	GARAGE FLOOR	
	CONTOUR	
	SANITARY SEWER	
	STORM SEWER	
	WATER	
	SILT FENCE	
	CONSTRUCTION FENCE	
	FENCE	
	POWER POLE	
	VALVE VAULT	
	BUFFALO BOX	
	IRON PIPE FOUND	
	GAS BOX	
	TREE TO BE REMOVED	
	BITUMINOUS PAVEMENT	
	CONCRETE DRIVE	
	BRICK PAVEMENT	
	GROUND ELEVATION	
	TREE TO BE PROTECTED	

DESCRIPTION

1. Project Information
2. General Notes & Details
3. Existing Conditions
4. Site Plan
5. Soil Erosion & Sediment Control Plan

I HEREBY CERTIFY THAT THE PROPOSED IMPROVEMENTS WILL NOT ADVERSELY IMPACT THE SUBJECT PROPERTY, THE SURROUNDING PROPERTIES OR THE PUBLIC RIGHT-OF-WAY WITH RESPECTS TO STORMWATER DRAINAGE, AND THAT A SAFE OVERFLOW ROUTE FOR STORM WATER HAS BEEN ESTABLISHED.



STATE OF ILLINOIS
 COUNTY OF KANE } S.S.
 GERALD L. HEINZ & ASSOCIATES, INC., DO HEREBY CERTIFY THAT THIS SITE PLAN WAS PREPARED UNDER OUR DIRECT SUPERVISION.

DATED AT DUNDEE, ILLINOIS
 THIS 2nd DAY OF OCTOBER, A.D. 2023

JOSEPH D. HEINZ, P.E.
 ILLINOIS REGISTERED PROFESSIONAL ENGINEER
 NO. 51301 (LICENSE EXPIRES 11-30-25)

DESIGN FIRM REGISTRATION NO. 184-002048

REVISED: 09-10-2024

A. REFERENCED SPECIFICATIONS

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE FOLLOWING, EXCEPT AS MODIFIED HEREIN OR ON THE PLANS:
 * STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION), BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) SS FOR ALL IMPROVEMENTS, EXCEPT SANITARY SEWER AND WATER MAIN CONSTRUCTION.
 * STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION (SSWS) FOR SANITARY SEWER AND WATER MAIN CONSTRUCTION.
 * KANE COUNTY MUNICIPAL CODE.
 * IN CASE OF CONFLICT BETWEEN THE APPLICABLE ORDINANCES NOTED, THE MORE STRINGENT SHALL TAKE PRECEDENCE AND SHALL CONTROL ALL CONSTRUCTION.

B. NOTIFICATION

1. THE KANE COUNTY WATER RESOURCES DEPARTMENT IS REQUIRED TO BE NOTIFIED AT LEAST 24 HOURS PRIOR TO THE START OF CONSTRUCTION AND PRIOR TO EACH PHASE OF WORK. CONTRACTOR SHALL DETERMINE ITEMS REQUIRED BY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED. CALL J.U.L.I.E. AT 1-800-892-0123.
2. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION FOR THE EXACT LOCATIONS OF UTILITIES AND FOR THEIR PROTECTION DURING CONSTRUCTION. IF EXISTING UTILITIES ARE ENCOUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION, IMMEDIATELY NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED. CALL J.U.L.I.E. AT 1-800-892-0123.

C. GENERAL NOTES

1. ALL ELEVATIONS SHOWN ON PLANS REFERENCE THE NAVD 88.
2. THE MUNICIPALITY AND THE OWNER OR OWNERS REPRESENTATIVE SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION IMPROVEMENTS.
3. THE CONTRACTOR(S) SHALL INDEMNIFY THE OWNER, ENGINEER, MUNICIPALITY, MWRD, AND THEIR AGENTS, ETC., FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, OR TESTING OF THIS WORK ON THE PROJECT.
4. ANY EXISTING PAVEMENT, SIDEWALK, DRIVEWAY, ETC., DAMAGED DURING CONSTRUCTION OPERATIONS AND NOT CALLED FOR TO BE REMOVED SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
5. MATERIAL AND COMPACTION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MUNICIPALITY, MWRD, AND OWNER.
6. THE UNDERGROUND CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS TO NOTIFY ALL INSPECTION AGENCIES.
7. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS DISTURBED DURING CONSTRUCTION SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO FINAL INSPECTION. RECORD DRAWINGS SHALL BE KEPT BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AS SOON AS UNDERGROUND IMPROVEMENTS ARE COMPLETED. FINAL PAYMENTS TO THE CONTRACTOR SHALL BE HELD UNTIL THEY ARE RECEIVED. ANY CHANGES IN LENGTH, LOCATION OR ALIGNMENT SHALL BE SHOWN IN RED.
8. THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERING PLANS AS APPROVED BY THE KANE COUNTY. PROPER CONSTRUCTION TECHNIQUES MUST BE FOLLOWED DURING THE INSTALLATION OF IMPROVEMENTS INDICATED ON THE ENGINEERING PLANS.
9. NO CONSTRUCTION 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. CHANGES TO THE CONSTRUCTION PLANS SHALL BE PROVIDED TO THE CONTRACTOR AND APPROVED BY THE ENGINEER. IN THE EVENT OF AN OMISSION OR DISCREPANCY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION AND SHALL BE RESPONSIBLE FOR THE COST OF THE CORRECTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF THE CORRECTION.
10. ALL WORK PERFORMED UNDER THIS CONTRACT SHALL BE GUARANTEED AGAINST ALL DEFECTS IN MATERIALS AND WORKMANSHIP OF WHATEVER NATURE BY THE CONTRACTOR AND HIS SURETY FOR A PERIOD OF 12 MONTHS FROM THE DATE OF FINAL ACCEPTANCE OF THE WORK BY ST. CHARLES, OTHER APPLICABLE GOVERNMENTAL AGENCIES, AND THE OWNER.
11. BEFORE ACCEPTANCE BY THE OWNER AND FINAL PAYMENT, ALL WORK SHALL BE INSPECTED AND APPROVED BY THE OWNER OR HIS REPRESENTATIVE. FINAL PAYMENT WILL BE MADE AFTER ALL OF THE CONTRACTORS WORK HAS BEEN APPROVED AND ACCEPTED, AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
12. UPON AWARD OF THE CONTRACT AND WHEN REQUIRED BY THE OWNER, THE CONTRACTOR SHALL FURNISH A LABOR, MATERIAL AND PERFORMANCE BOND IN THE PENAL SUM OF 100 PERCENT OF THE CONTRACT GUARANTEEING COMPLETION OF THE WORK. THE UNDERWRITER SHALL BE APPROVED BY THE OWNER.
13. LINE AND GRADE STAKES WILL BE SET ONE TIME AND ONE TIME ONLY BY THE SURVEYOR AT THE OWNER'S EXPENSE. CONTRACTORS SHALL NOTIFY THE SURVEYOR THAT STAKES WILL BE NEEDED AT LEAST 3 WORKING DAYS IN ADVANCE OF STARTING THEIR WORK. ADDITIONAL NOTIFICATION SHALL BE PROVIDED PRIOR TO THE START OF INITIAL PROJECT CONSTRUCTION OPERATIONS) ANY AND ALL REQUIRED RESTOCKING WILL BE PERFORMED BY THE SURVEYOR AT THE EXPENSE OF THAT CONTRACTOR REQUIRING THE RESTAKING. IT SHALL BE THE RESPONSIBILITY OF EACH CONTRACTOR TO PROTECT STAKES PROVIDED FOR HIS USE AND TO REPORT TO THE OWNER'S SUPERINTENDENT ANY SPECIFIC INSTANCES OF DAMAGED OR ALTERED STAKES AND/OR MONUMENTS PROVIDED. LOT CORNER IRONS ARE TO BE CONSIDERED AS CONTROL STAKES.
14. THE CONTRACTOR SHALL REVIEW AND DETERMINE ALL REQUIRED IMPROVEMENTS AND SHALL VERIFY ALL QUANTITIES AS PROVIDED BY THE ENGINEER OR OWNER FOR BIDDING PURPOSES. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER. THE CONTRACT PRICE SUBMITTED BY THE CONTRACTOR SHALL BE CONSIDERED AS A LUMP SUM FOR THE COMPLETE PROJECT UNLESS THERE IS PLAN REVISION AND/OR WRITTEN CHANGE TO THE SCOPE OF THE WORK.
15. WHENEVER THE PERFORMANCE OF WORK IS INDICATED ON THE PLANS, AND NO ITEM IS INCLUDED IN THE CONTRACT FOR PAYMENT, THE WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
16. WHENEVER, DURING CONSTRUCTION OPERATIONS, ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF GUTTERS, DRAINAGE STRUCTURES, DITCHES, ETC. SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THIS LOOSE MATERIALS SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY BY THE RESPONSIBLE PARTY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
17. 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 OPERATIONS AND WARNING SIGNS SHALL BE PROVIDED IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS. ADEQUATE LIGHTING SHALL BE MAINTAINED FROM DUSK TO DAWN AT ALL LOCATIONS WHERE CONSTRUCTION OPERATIONS WILL BE CONDUCTED. THE ENGINEER OR KANE COUNTY HIGHWAY AND TRANSPORTATION DEPARTMENT. ALL TRAFFIC CONTROL WORK SHALL BE DONE IN ACCORDANCE WITH THE IDOT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
18. ALL PERMANENT TYPE PAVEMENTS OR OTHER PERMANENT IMPROVEMENTS WHICH ABUT THE PROPOSED IMPROVEMENTS AND MUST BE REMOVED, SHALL BE SAWS AS DIRECTED PRIOR TO REMOVAL. ALL ITEMS SO REMOVED SHALL BE REPLACED WITH SIMILAR CONSTRUCTION MATERIALS TO THEIR ORIGINAL CONDITION OR BETTER. PAYMENT FOR SAWING SHALL BE INCLUDED IN THE COST FOR REMOVAL OF EACH ITEM AND REPLACEMENT WILL BE PAID UNDER THE RESPECTIVE ITEMS IN THE CONTRACT, UNLESS OTHERWISE INDICATED.
19. REMOVED PAVEMENT, CURB AND GUTTER, ETC. SHALL BE DISPOSED OF BY THE CONTRACTOR AT HIS OWN EXPENSE AT LOCATIONS APPROVED BY THE OWNER. IF ON SITE IS NOT FEASIBLE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AN OFFSITE DUMP SITE AT HIS OWN EXPENSE.
20. WHERE OVERHANGING BRANCHES INTERFERE WITH OPERATIONS OF CONSTRUCTION, SAID BRANCHES SHALL BE TRIMMED AND SEALED IN ACCORDANCE WITH ARTICLE 253.09 OF THE IDOT STANDARD SPECIFICATIONS, AND THE COST OF THE SAME SHALL BE INCIDENTAL TO THE CONTRACT. TREES SHALL BE REMOVED ONLY AFTER RECEIVING APPROVAL OF THE OWNER. THE OWNER SHALL DESIGNATE THOSE TREES WHICH ARE TO BE REMOVED. THE CONTRACTOR SHALL ALTER THE ALIGNMENT OF SEWERS, PATHWAYS, SIDEWALKS, AND DRIVEWAYS AS DIRECTED BY THE OWNER TO PRESERVE TREES. A CONTRACTOR REMOVING TREES WITHOUT THE OWNER'S APPROVAL WILL BE RESPONSIBLE FOR REPLACEMENT OF SAID TREE(S) AS DIRECTED BY OWNER AT CONTRACTOR'S EXPENSE. IF TREES OR SHRUBS MUST BE REMOVED, THEY WILL BE PAID FOR IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
21. ALL EXISTING TRAFFIC SIGNS, STREET SIGNS, ETC., WHICH INTERFERE WITH CONSTRUCTION OPERATIONS AND ARE NOT NOTED FOR REMOVAL OR DISPOSAL SHALL BE REMOVED AND RESET BY THE CONTRACTOR IN ACCORDANCE WITH ARTICLES 107.20 AND 107.25 OF THE IDOT STANDARD SPECIFICATIONS AT LOCATIONS AS DESIGNATED BY THE ENGINEER. THIS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHOULD BE ALLOWED. DAMAGE TO THESE ITEMS SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE. ALL SIGNS NOT REQUIRED TO BE RESET SHALL BE DELIVERED TO THE RUTLAND TOWNSHIP HIGHWAY DEPARTMENT AS APPROPRIATE. IN ADDITION, ALL MAIL BOXES THAT INTERFERE WITH CONSTRUCTION SHALL BE SIMILARLY RELOCATED AT NO ADDITIONAL COST.
22. DURING CONSTRUCTION OPERATIONS THE CONTRACTOR SHALL INSURE POSITIVE SITE DRAINAGE AT THE CONCLUSION OF EACH DAY. SITE DRAINAGE MAY BE ACHIEVED BY DITCHING, PUMPING OR ANY OTHER ACCEPTABLE METHOD. PUMPS SHALL DISCHARGE INTO THE STORM SEWER AND NOT INTO EXISTING WETLAND AREAS. THE CONTRACTOR'S FAILURE TO PROVIDE THE ABOVE WILL PRECLUDE ANY POSSIBLE ADDED COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABLE MATERIALS CREATED AS A RESULT THEREOF.

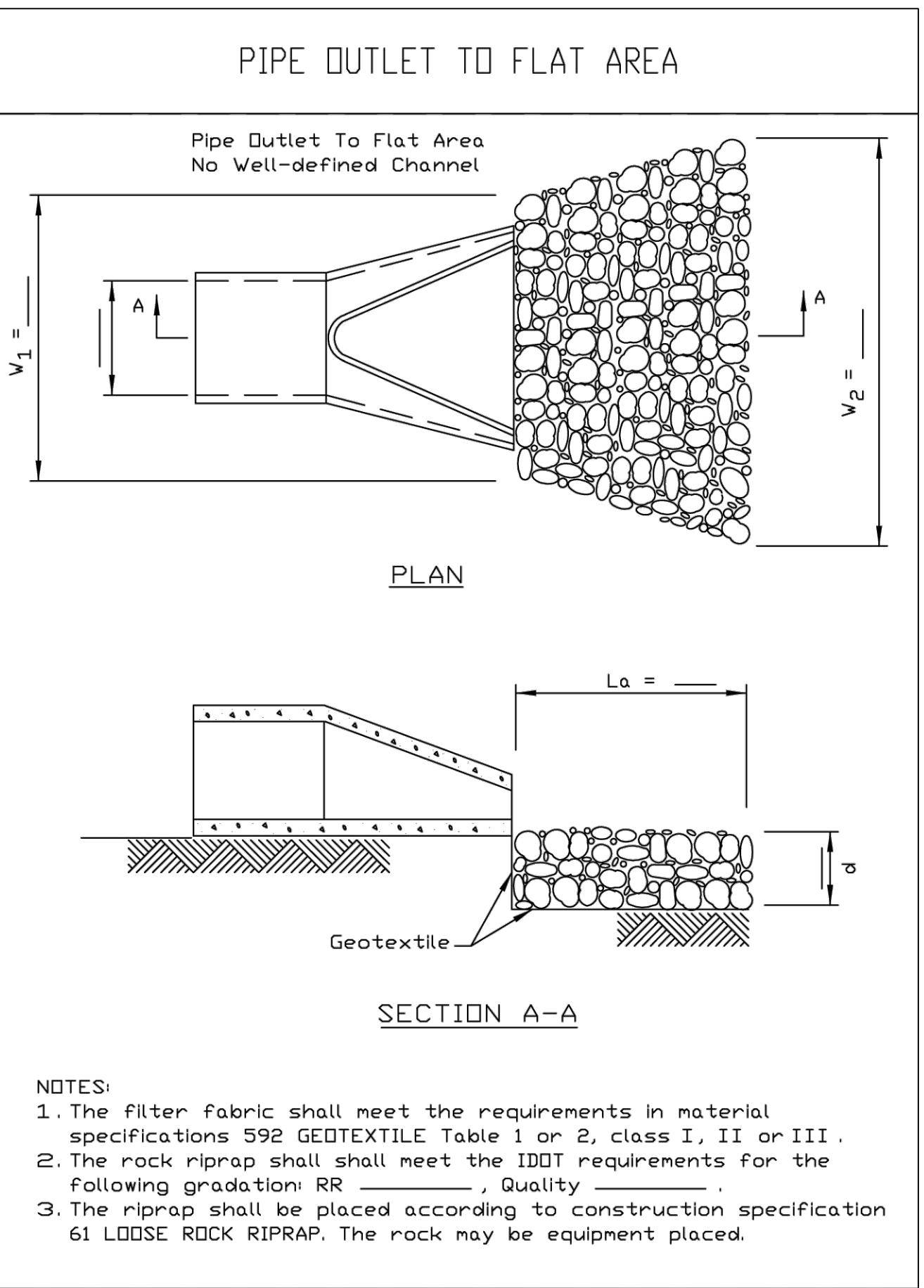
26. IT SHALL BE THE RESPONSIBILITY OF EACH RESPECTIVE CONTRACTOR TO REMOVE FROM THE SITE ANY AND ALL MATERIALS AND DEBRIS WHICH RESULT FROM HIS CONSTRUCTION OPERATIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.
27. THE CONTRACTOR SHALL COMPLY WITH AND OBSERVE THE RULES AND REGULATIONS OF OSHA AND APPROPRIATE AUTHORITIES REGARDING SAFETY PROVISIONS.
28. THE ENGINEER AND OWNER ARE NOT RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS OR FOR ANY SAFETY PRECAUTIONS USED BY THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF HIS WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS.
29. LOCATION OF UNDERGROUND UTILITIES SHOWN ON THESE PLANS IS BASED ON THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS (J.U.L.I.E.) AND KANE COUNTY AT LEAST FORTY-EIGHT (48) HOURS BEFORE COMMENCING CONSTRUCTION TO VERIFY IN THE FIELD THE LOCATIONS AND ELEVATIONS OF ALL UNDERGROUND INSTALLATIONS AND TO ARRANGE FOR THE ADJUSTMENT OR MOVING OF UTILITIES WHICH WILL CONFLICT WITH THE CONSTRUCTION OF THE PROPOSED IMPROVEMENT.
30. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES WHETHER OR NOT THEY ARE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED TO THE SATISFACTION OF THE KANE COUNTY ENGINEER AND THE UTILITY OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXPENSES INCURRED IN THE REPAIR OF DAMAGED UTILITY APPURTENANCES.
31. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF ALL REQUIRED PERMITS OR CONSTRUCTION ALONG OR ACROSS EXISTING STREETS. HE SHALL MAKE ARRANGEMENTS FOR THE PROPER BRACING, AND OTHER REQUIRED PROTECTION OF ALL ROADWAYS BEFORE CONSTRUCTION BEGINS. HE SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE STREETS OR ROADWAYS AND ASSOCIATED STRUCTURES AND SHALL MAKE REPAIRS AS NECESSARY TO THE SATISFACTION OF THE KANE COUNTY ENGINEER.
32. THE ST. CHARLES ENGINEER SHALL BE NOTIFIED WHEN EXISTING DRAINAGE TILE IS ENCOUNTERED DURING CONSTRUCTION OPERATIONS BEFORE PROCEEDING. ALL FIELD TILE ENCOUNTERED DURING CONSTRUCTION SHALL BE CONNECTED TO THE PROPOSED STORM SEWER SYSTEM OR EXTENDED TO OUTLET INTO A PROPOSED DRAINAGE WAY. IF THIS CANNOT BE ACCOMPLISHED, THEN IT SHALL BE REPAIRED WITH NEW PIPE OF SIMILAR SIZE AND MATERIAL TO THE ORIGINAL LINE AND IN FEASIBLE OPERATING CONDITION. A RECORD OF THE LOCATION OF ALL FIELD TILE OR DRAIN PIPE ENCOUNTERED SHALL BE KEPT BY THE CONTRACTOR AND TURNED OVER TO THE ENGINEER UPON COMPLETION OF THE PROJECT. THE COST OF THIS WORK SHALL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
33. THE CONTRACTOR SHALL INDEMNIFY THE ENGINEER, OWNER, ST. CHARLES, AND THEIR AGENTS FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION AND TESTING OF THIS WORK ON THIS PROJECT AND NAME THEM AS CO-INSURED.
34. ELECTRIC, TELEPHONE, NATURAL GAS, AND OTHER UTILITY COMPANIES HAVE UNDERGROUND AND OVERHEAD SERVICE FACILITIES IN THE VICINITY OF THE PROPOSED WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING THE UTILITY COMPANIES LOCATE THEIR FACILITIES IN THE FIELD PRIOR TO CONSTRUCTION AND SHALL ALSO BE RESPONSIBLE FOR THE MAINTENANCE AND PRESERVATION OF THESE FACILITIES. THE CONTRACTOR SHALL CALL J.U.L.I.E. AT (811).
35. SPECIAL ATTENTION IS DRAWN TO THE FACT THAT ARTICLE 106.06 OF THE STANDARD SPECIFICATIONS REQUIRES THE CONTRACTOR TO HAVE A COMPETENT SUPERINTENDENT ON THE PROJECT SITE AT ALL TIMES IRRESPECTIVE OF THE AMOUNT OF WORK SUBJECT. THE SUPERINTENDENT SHALL BE CAPABLE OF READING AND UNDERSTANDING THE PLANS AND SPECIFICATIONS, SHALL HAVE FULL AUTHORITY TO EXECUTE ORDERS TO EXPEDITE THE PROJECT, AND SHALL BE RESPONSIBLE FOR SECURING THE PROJECT FROM ALL WORK AS THE AGENT OF THE CONTRACTOR. FAILURE TO COMPLY WITH THIS PROVISION WILL RESULT IN A SUSPENSION OF WORK AS PROVIDED IN ARTICLE 108.07.
36. THE CONTRACTOR SHALL KEEP A SET OF APPROVED CONSTRUCTION PLANS ON THE JOB SITE AND SHALL MAINTAIN AS INDICATED HEREIN AND IN ALL FEASIBLE OPERATING CONSTRUCTION NOTES, SPECIFICATIONS AND PLANS) A LEGIBLE RECORD ON SAID PLANS OF ANY MODIFICATIONS/ALTERATIONS TO ALIGNMENT AND/OR TO PLANS AND SPECIFICATIONS OF PROPOSED IMPROVEMENTS, ETC. UPON COMPLETION OF THE CONTRACTORS WORK, SAID PLANS AND INFORMATION SHALL BE PROVIDED TO THE ENGINEER. FINAL CONTRACT PAYMENT SHALL NOT COME DUE UNTIL THIS INFORMATION IS RECEIVED BY THE ENGINEER.

D. EXCAVATION AND SITE GRADING

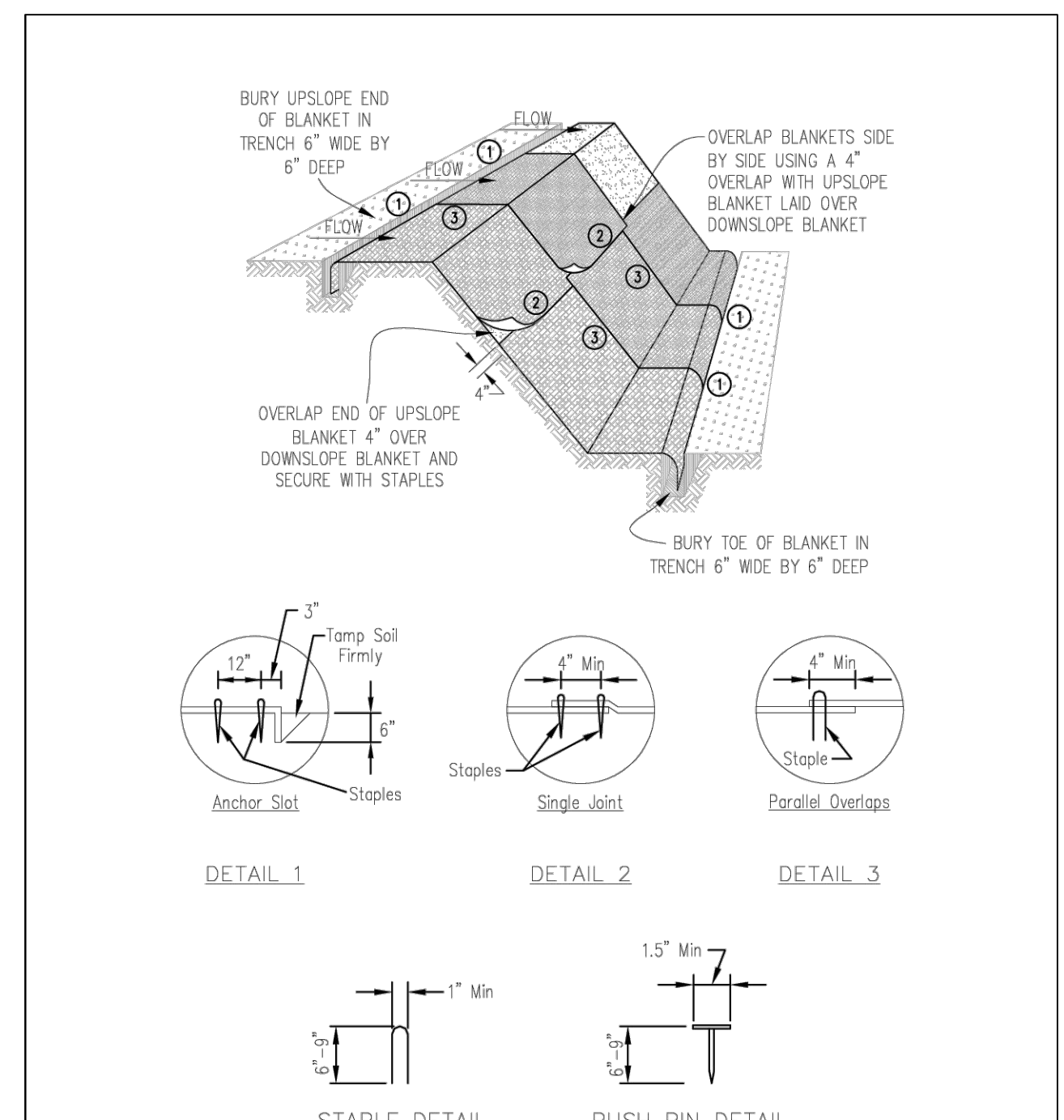
1. EXCAVATION REQUIRED FOR ROADWAY AND PARKING LOT CONSTRUCTION AND SITE GRADING SHALL BE COMPLETED IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE IDOT STANDARD SPECIFICATIONS.
2. EARTH EXCAVATION SHALL INCLUDE CLEARING, STRIPPING AND STOCKPILING TOPSOIL, REMOVING UNSUITABLE MATERIALS, THE CONSTRUCTION OF EMBANKMENT, AND FINAL SHAPING AND TRIMMING TO GRADES AND SECTIONS INCLUDED IN THE PLANS. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE PROVISIONS OF SECTION 202 OF THE STANDARD SPECIFICATIONS.
3. THE CONTRACTOR SHALL STOCKPILE EXCAVATED TOPSOIL AND CLAY ON THE SITE AT SEPARATE LOCATIONS DESIGNATED BY THE OWNER, AND IN ACCORDANCE WITH SPECIFICATIONS (PART "A"). EXCAVATED MATERIAL SHALL BE STOCKPILED IN SUCH A SEQUENCE SO AS TO MINIMIZE OR ELIMINATE ANY RE HANDLING OR DOUBLE MOVEMENTS BY THE CONTRACTOR. ALL EXCESS EXCAVATED MATERIAL SHALL BE SATISFACTORILY DISPOSED OF OFFSITE BY THE CONTRACTOR. FAILURE TO PROPERLY SEQUENCE THE STOCKPILING OPERATION SHALL NOT CONSTITUTE A CLAIM FOR ADDITIONAL COMPENSATION.
4. SPECIAL CARE SHALL BE TAKEN IN EXCAVATING AND GRADING NEAR UTILITIES AND TREES TO BE SAVED IN ORDER TO AVOID UNNECESSARY DAMAGE.
5. THE CONTRACTOR SHALL AT ALL TIMES PROVIDE PROTECTION FOR THE TRAFFIC AS DIRECTED BY THE COUNTY ENGINEER AND AS CALLED FOR IN THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES ALONG THE EDGE OF PAVEMENT WHERE THERE IS ANY DROP-OFF GREATER THAN THREE (3) INCHES.
6. COMPACTION TESTING OF THE PAVEMENT SUBGRADE WITHIN PUBLIC RIGHT OF WAYS SHALL MEET THE REQUIREMENTS OF THE COUNTY ENGINEER. THE SUBGRADE SHALL BE PROOF-ROLLED WITH A LOADED SIX-WHEELER TRUCK TO IDENTIFY WEAK OR YIELDING AREAS, WITNESSED BY THE COUNTY ENGINEER OR HIS REPRESENTATIVE. APPROPRIATE CORRECTIVE MEASURES SHALL BE PROVIDED TO INSURE AN ADEQUATE SUBGRADE IS PROVIDED.
7. THE CONTRACTOR IS REQUIRED TO MEET ALL SOIL EROSION CONTROL AND SEDIMENTATION REQUIREMENTS AS SET FORTH IN IEPA STANDARDS, COUNTY ORDINANCES AND PROJECT PLANS.
8. ALL DISTURBED AREAS OF THE RIGHT-OF-WAY ARE TO BE RESTORED WITH SOD.

E. EROSION AND SEDIMENTATION CONTROL

1. THE CONTRACTOR SHALL INSTALL THE EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.
2. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL PRIOR TO HYDROLOGIC DISTURBANCE OF THE SITE.
3. ALL DESIGN CRITERIA, SPECIFICATIONS, AND INSTALLATION OF EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.
4. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
5. INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
 a) UPON COMPLETION OF INITIAL EROSION AND SEDIMENT CONTROL MEASURES.
 b) PRIOR TO ANY SOIL DISTURBANCE.
 c) ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.
6. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE CO-PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
7. A STABILIZED MAT OF CRUSHED STONE MEETING THE STANDARDS OF THE ILLINOIS URBAN MANUAL SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE DAMAGED TO THE STREETS OR ROADWAYS AND ASSOCIATED STRUCTURES AND SHALL BE TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
8. CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL AND SHALL BE INSTALLED PRIOR TO ANY ON SITE CONSTRUCTION ACTIVITIES INVOLVING CONCRETE.
9. MORTAR WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ADDITION TO CONCRETE WASHOUT FACILITIES FOR ANY BRICK AND MORTAR BUILDING ENVELOPE CONSTRUCTION ACTIVITIES.
10. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN. VOLUME CONTROL FACILITIES SHALL NOT BE USED AS TEMPORARY SEDIMENT BASINS.
11. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) DAYS.
12. ALL FLOOD PROTECTION AREAS AND VOLUME CONTROL FACILITIES SHALL, AT A MINIMUM, BE PROTECTED WITH A DOUBLE-ROW OF SILT FENCE (OR EQUIVALENT).
13. VOLUME CONTROL FACILITIES SHALL NOT BE CONSTRUCTED UNTIL ALL OF THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
14. SOIL STOCKPILES SHALL, AT A MINIMUM, BE PROTECTED WITH PERIMETER SEDIMENT CONTROLS. SOIL STOCKPILES SHALL NOT BE PLACED IN FLOOD PROTECTION AREAS OR THEIR BUFFERS.
15. EARTHEN EMBANKMENT SIDE SLOPES SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL BLANKET.
16. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY APPROPRIATE SEDIMENT CONTROL MEASURES.
17. THE CONTRACTOR SHALL EITHER REMOVE OR REPLACE ANY EXISTING DRAIN TILES AND INCORPORATE THEM INTO THE DRAINAGE PLAN FOR THE DEVELOPMENT. DRAIN TILES CANNOT BE TRIBUTARY TO A SANITARY OR COMBINED SEWER. DRAIN TILES ALLOWED IN COMBINED SEWER ARE FOR GREEN INFRASTRUCTURE PRACTICES.
18. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE SITE INSPECTOR MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCH DEWATERING AND EXCAVATION FOR THE INSTALLATION OF SANITARY SEWERS, STORM SEWERS, WATERMANS AS WELL AS THEIR SERVICES AND OTHER APPURTENANCES. ANY TRENCH DEWATERING, WHICH CONTAINS SEDIMENT SHALL PASS THROUGH A SEDIMENT SETTLING POND OR EQUALLY EFFECTIVE SEDIMENT CONTROL DEVICE. ALTERNATIVES MAY INCLUDE DEWATERING INTO A SUMP PIT, FILTER BAG OR EXISTING VEGETATED UPSLOPE AREA. SEDIMENT LADEN WATERS SHALL NOT BE DISCHARGE TO WATERWAYS, FLOOD PROTECTION AREAS OR THE COMBINED SEWER SYSTEM.
20. ANY MUD OR DEBRIS ON THE STREET, ALLEY OR SIDEWALK SHALL BE IMMEDIATELY CLEANED UP TO THE SATISFACTION OF THE COUNTY.
21. ALL PERMANENT EROSION CONTROL DEVICES SHALL BE INITIATED WITHIN SEVEN (7) DAYS FOLLOWING THE COMPLETION OF SOIL DISTURBING ACTIVITIES.
22. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED ON A YEAR-ROUND BASIS DURING CONSTRUCTION AND ANY PERIODS OF CONSTRUCTION SHUTDOWN UNTIL PERMANENT STABILIZATION IS ACHIEVED.
23. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER PERMANENT SITE STABILIZATION.
24. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, SITE INSPECTOR, OR MWRD.

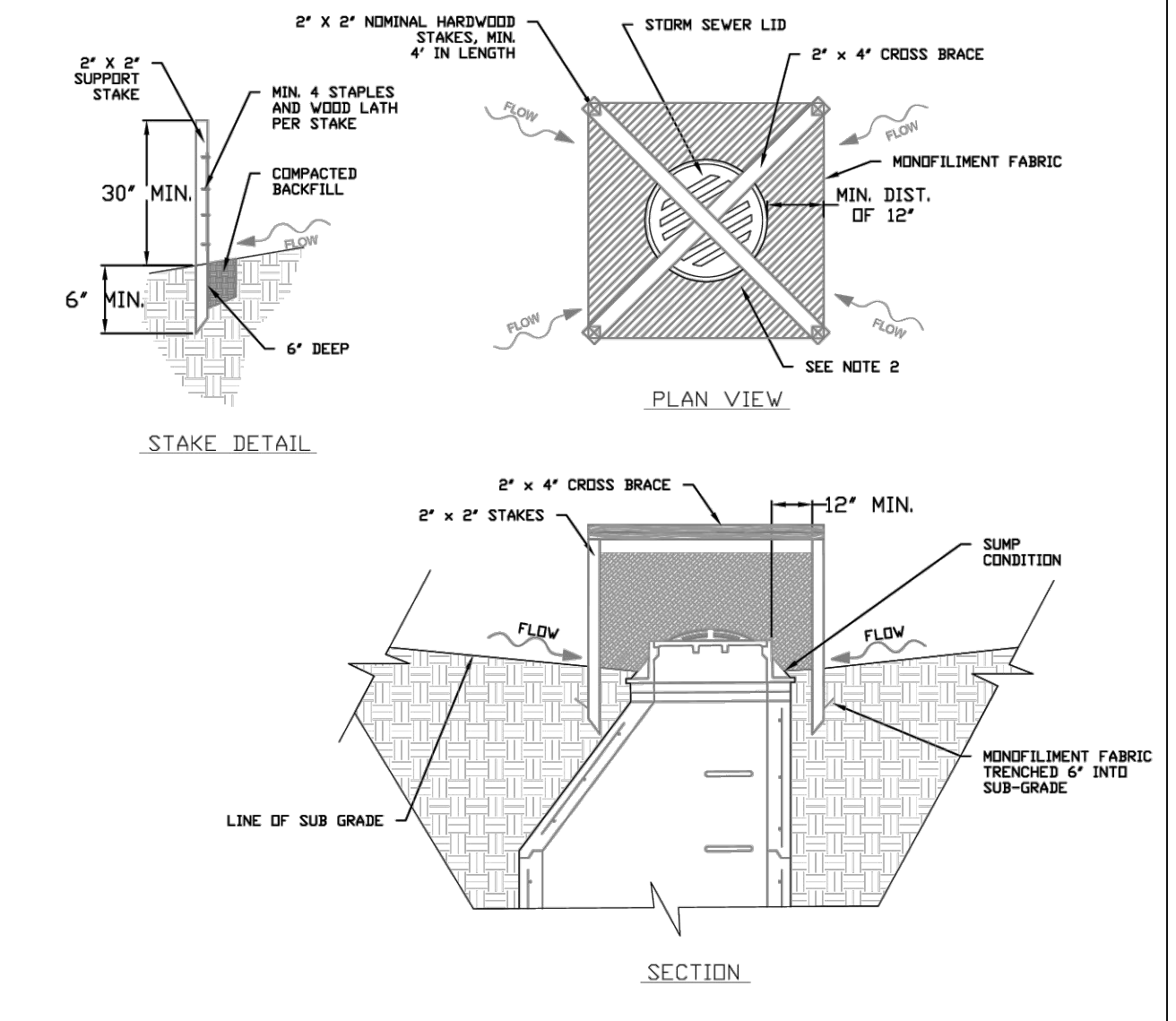


REFERENCE Project	Designed _____ Date _____	<p>NRCS Natural Resources Conservation Service</p>	STANDARD DWG. NO.
Checked _____ Date _____	IL-610		
Approved _____ Date _____	SHEET 1 OF 1		
	DATE 9-15-93		



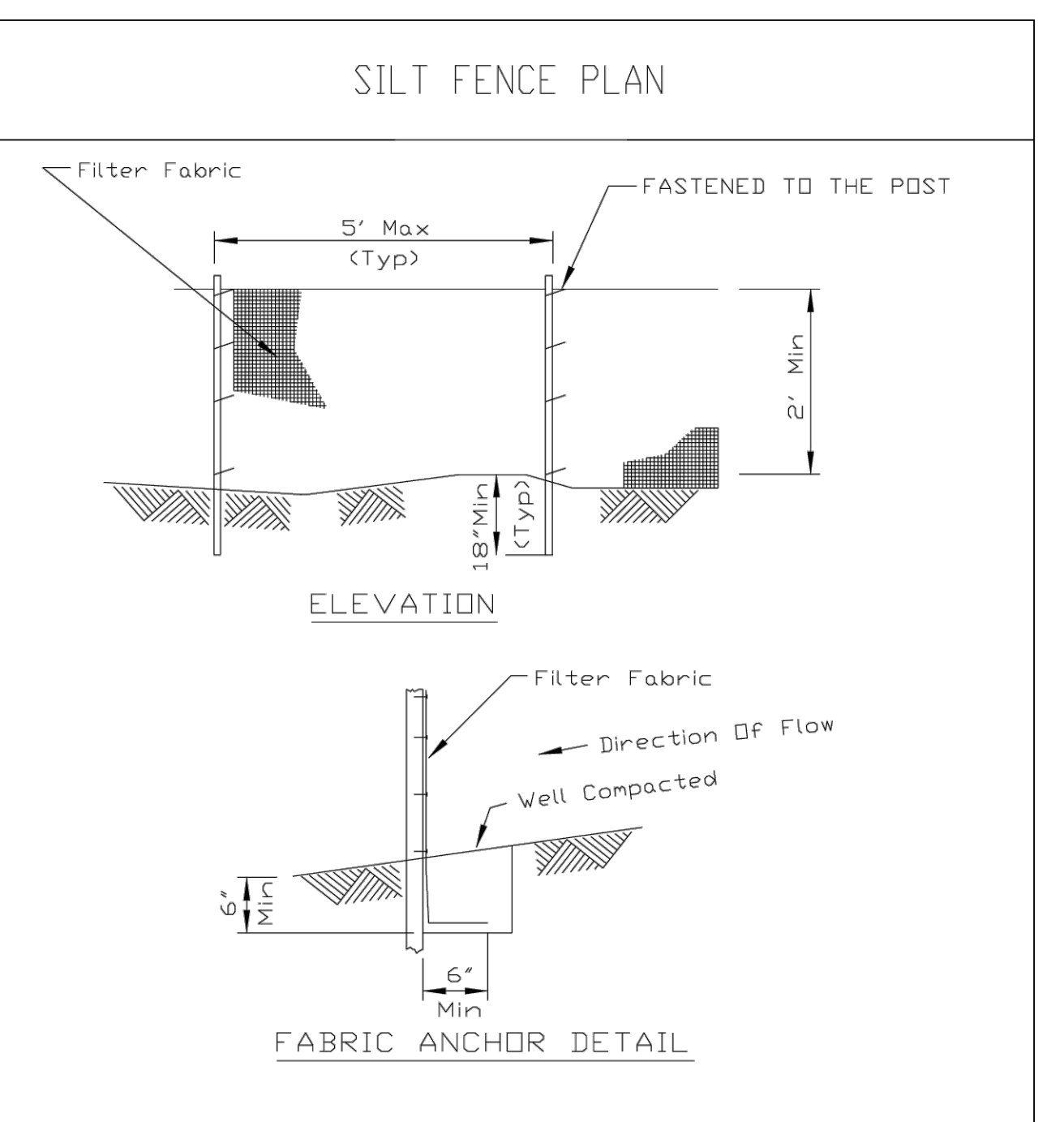
REFERENCE Project	Designed _____ Date _____	<p>NRCS Natural Resources Conservation Service</p>	STANDARD DWG. NO.
Checked _____ Date _____	IL-620A		
Approved _____ Date _____	SHEET 1 OF 2		
	DATE 04-15-2021		

INLET PROTECTION - MONOFILAMENT FABRIC BARRIER FENCE



- NOTES:
1. 2 x 2 nominal hardwood stakes, 4 foot minimum length, driven into ground approximately 18 inches, stakes driven a minimum width of 12 inches away from the drop inlet.
 2. Area inside the fence, from edge of fabric to structure, must be stabilized with Erosion Control Blanket, Turf Reinforcement Mat, Geotextile 592 Table 2, Class 2 or CA-7 stone.
 3. Maximum height of the fabric above the crest of the drop inlet shall be 30". Place the bottom 6 inches of the fabric in a trench and backfill with 6 inches of 95% compacted soil.
 4. Stakes must be a maximum of 4 feet apart.
 5. A maintenance schedule must maintain a sediment accumulation of less than 50% of the height of the monofilament fabric.
 6. Monofilament fabric shall meet the requirement of Material Specification 592 Geotextile Table 1, Class 4.
 7. Monofilament fabric shall be secured to each 2' x 2' nominal hardwood stake with a minimum of 4 steel staple fasteners and wood lath. Wood lath shall be a minimum length of 10 inches. Wire fasteners should be used if metal T-Posts are installed in place of hardwood stakes.

REFERENCE Project	Designed _____ Date _____	<p>NRCS Natural Resources Conservation Service</p>	STANDARD DWG. NO.
Checked _____ Date _____	IL-531		
Approved _____ Date _____	SHEET 1 OF 1		
	DATE 04-6-15		



REFERENCE Project	Designed _____ Date _____	<p>NRCS Natural Resources Conservation Service</p>	STANDARD DWG. NO.
Checked _____ Date _____	IL-620A		
Approved _____ Date _____	SHEET 1 OF 2		
	DATE 04-15-2021		

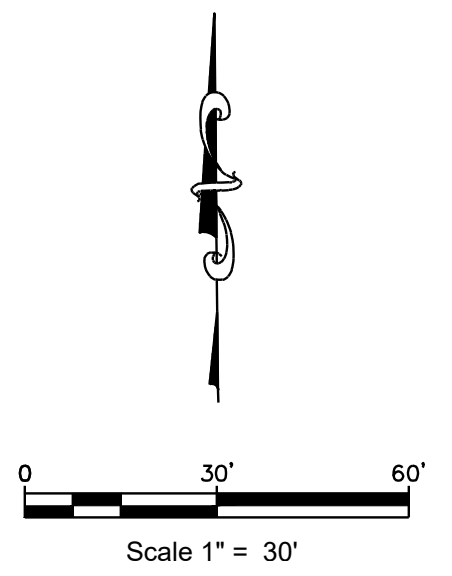
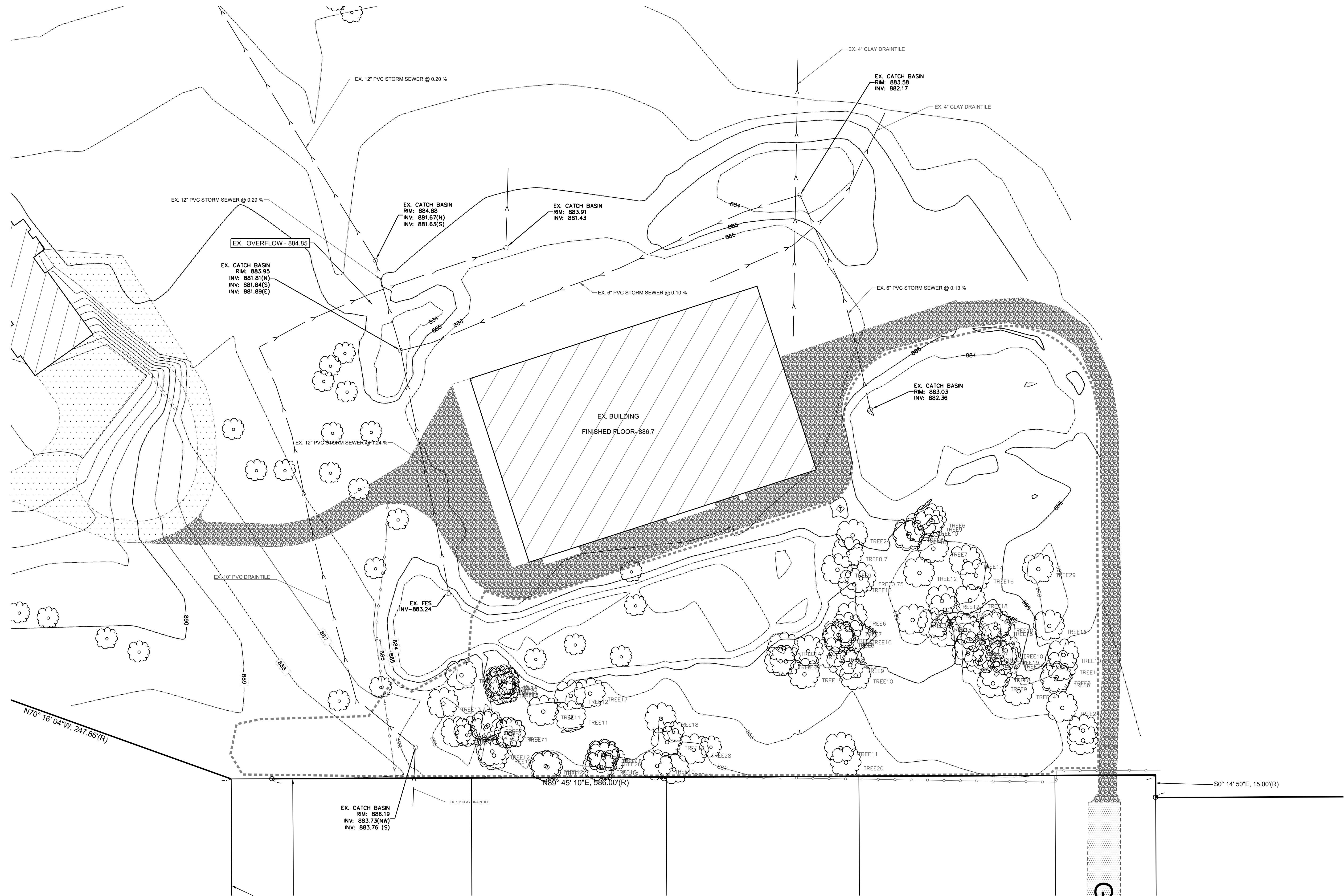
GERALD L. HEINZ & ASSOCIATES, INC.
CONSULTING ENGINEERS & LAND SURVEYORS
206 NORTH RIVER STREET
EAST DUNDEE, ILLINOIS 60118

NO.	DATE	REVISIONS	NO.	DATE	REVISIONS

GENERAL NOTES & DETAILS

DAVIS SITE
KANE COUNTY, ILLINOIS

DATE:	10/02/2023
JOB NO.:	E-2950
SCALE:	NTS
SHEET	2 OF 5



GERALD L. HEINZ & ASSOCIATES, INC.
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 206 NORTH RIVER STREET
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NO.	DATE	REVISIONS	NO.	DATE	REVISIONS

EX. CONDITIONS

DAVIS SITE
 KANE COUNTY, ILLINOIS

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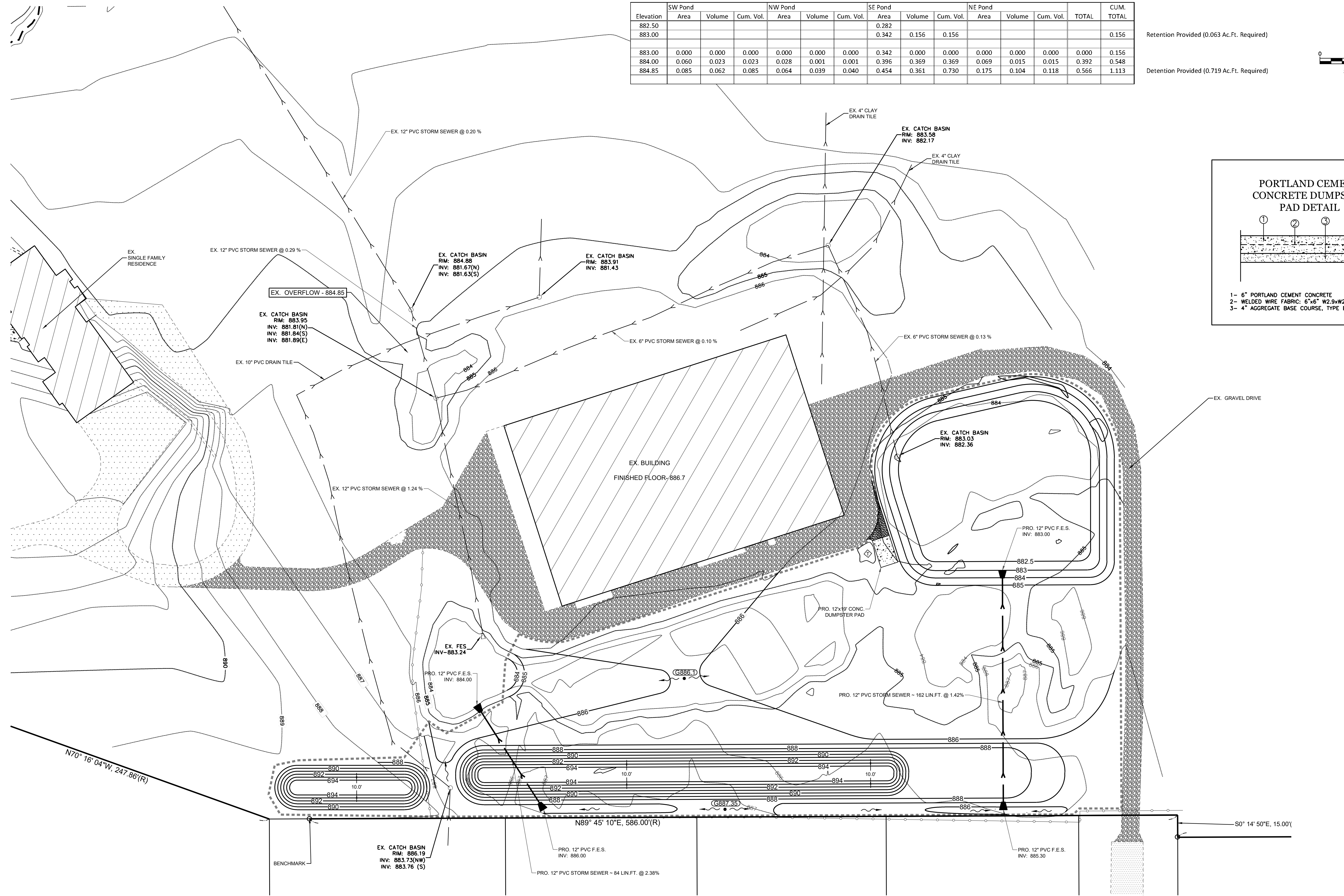
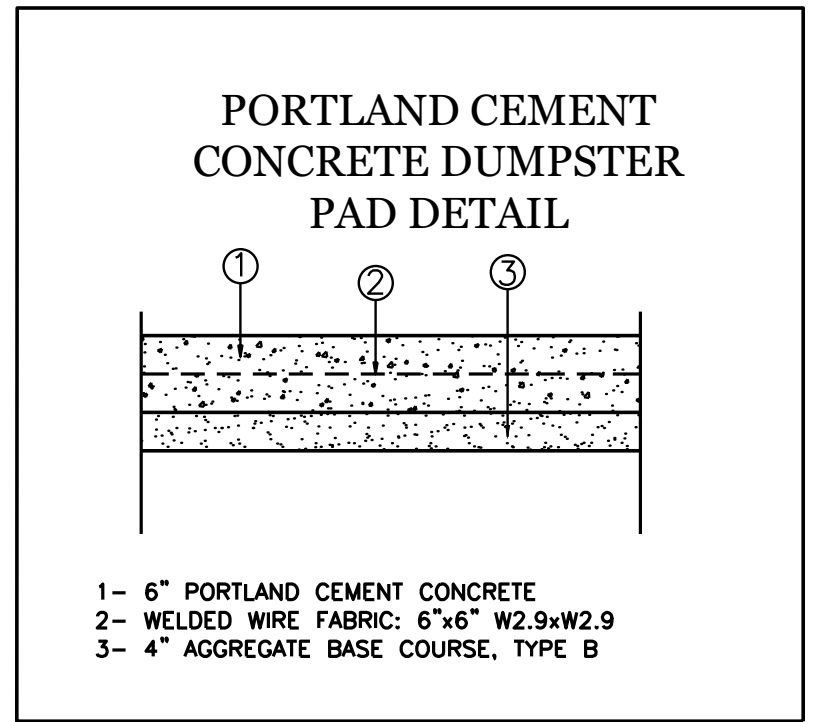
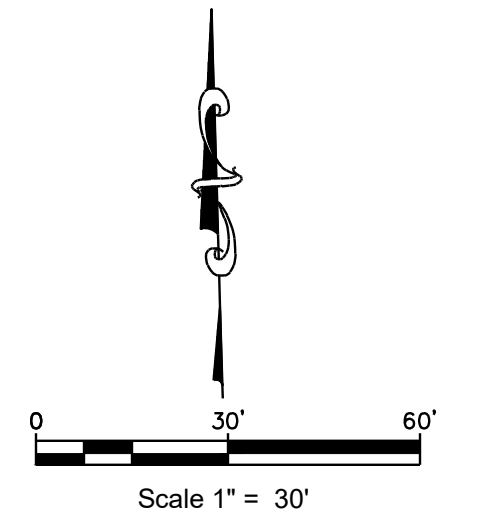
DATE:	10/02/2023
JOB NO.:	E-2950
SCALE:	1" = 30'
SHEET	3 OF 5

Detention Pond Volume Calculation

Elevation	SW Pond			NW Pond			SE Pond			NE Pond			TOTAL	CUM. TOTAL
	Area	Volume	Cum. Vol.	Area	Volume	Cum. Vol.	Area	Volume	Cum. Vol.	Area	Volume	Cum. Vol.		
882.50														
883.00							0.282	0.156	0.156					0.156
883.00	0.000	0.000	0.000	0.000	0.000	0.000	0.342	0.000	0.000	0.000	0.000	0.000	0.000	0.156
884.00	0.060	0.023	0.023	0.028	0.001	0.001	0.396	0.369	0.369	0.069	0.015	0.015	0.015	0.548
884.85	0.085	0.062	0.085	0.064	0.039	0.040	0.454	0.361	0.730	0.175	0.104	0.118	0.566	1.113

Retention Provided (0.063 Ac.Ft. Required)

Detention Provided (0.719 Ac.Ft. Required)



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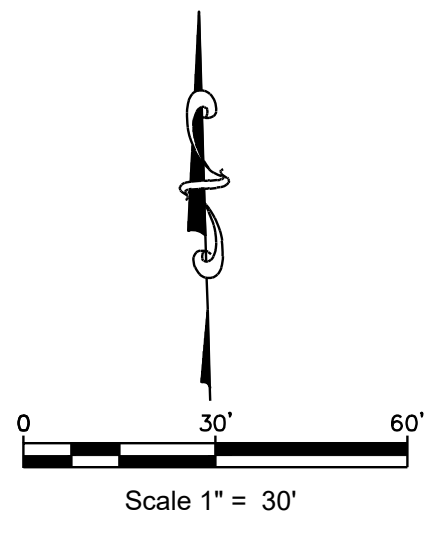
1.	09-10-24	ADD DUMPSTER PAD			
NO.	DATE	REVISIONS	NO.	DATE	REVISIONS

SITE PLAN

DAVIS SITE
KANE COUNTY, ILLINOIS

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DATE:	10/02/2023
JOB NO.:	E-2950
SCALE:	1" = 30'
SHEET	4 OF 5



SOIL PROTECTION CHART

Stabilization Type	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Permanent Seeding			A			*	*		*			
Dormant Seeding	B									B		
Temporary Seeding			C			D						
Erosion control blanket	F											

- A KENTUCKY BLUEGRASS
90 LBS/AC MIXED WITH
PERENNIAL RYEGRASS
30 LBS/AC
- B KENTUCKY BLUEGRASS
135 LBS/AC MIXED WITH
PERENNIAL RYEGRASS
45 LBS/AC + 2 TONS
STRAW MULCH PER AC
- C SPRING OATS 100 LBS/AC
- D WHEAT OR CEREAL RYE
150 LBS/AC
- E EROSION CONTROL BLANKET

- * IRRIGATION NEEDED DURING JUNE, JULY AND SEPTEMBER
- ** IRRIGATION NEEDED FOR 2-3 WEEKS AFTER SOODING

CONTRACTOR / OWNER CERTIFICATION

"I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT (LR10) THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION."

SIGNATURE _____ DATE _____ SIGNATURE _____ DATE _____

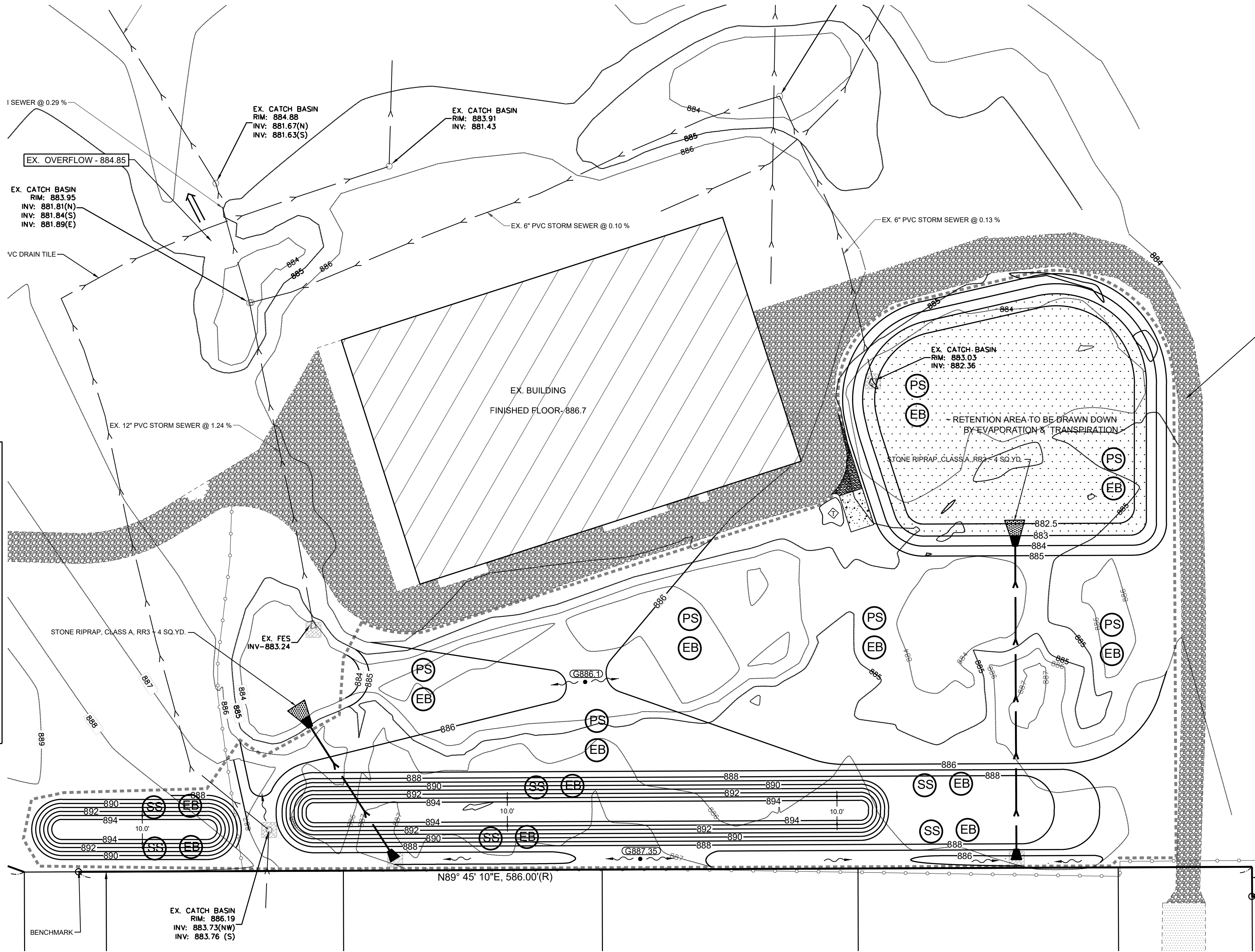
TITLE _____ OWNER _____

COMPANY _____

CONSTRUCTION SEQUENCE AND RESPONSIBLE CONTRACTOR	GRADING CONTRACTOR	UNDERGROUND CONTRACTOR	PAVING CONTRACTOR	LANDSCAPING CONTRACTOR
	1. INSTALL SEDIMENT CONTROL MEASURES -NOTCH CHECKS -EROSION CONTROL FENCE -SEDIMENT BASIN -STABILIZED CONSTRUCTION ENTRANCE -TEMPORARY SHOALS -SPECIFIED STORM SEWER LINES	=====		
2. GRADE SITE/STOORPILE TOPSOIL				
3. INSTALL STORMWATER MANAGEMENT MEASURES -STORM SEWER -SEDIMENT TRAP (INLET PROTECTION) -CATCH BASINS		=====		
4. TEMPORARY VEGETATIVE STABILIZATION CONTROL MEASURES -TEMPORARY SEEDING -MULCHING				=====
5. INSTALL ROAD SUBGRADE -AGGREGATE COVER			=====	
6. SITE CONSTRUCTION WORK -CURB AND GUTTER -PAVING (LANES & BIKEPATHS)			=====	
7. VEGETATIVE COVER ON ALL AREAS TO BE EXPOSED LONGER THAN 60 DAYS -TEMPORARY SEEDING				=====
8. SURFACE ROADS -PAVING			=====	
9. PERMANENT VEGETATIVE STABILIZATION OF ALL EXPOSED AREAS -PERMANENT SEEDING -SOODING				=====
10. INSTALL PERMANENT LANDSCAPING				=====
11. PERFORM CONTINUING MAINTENANCE				=====

LEGEND

- SILT FENCE
- [Pattern] INLET PROTECTION
- [Pattern] EROSION CONTROL BLANKET
- [Pattern] IDOT WETLAND SEED MIX 4B
- [Pattern] STONE RIP -RAP
- EXISTING CONTOUR
- PROPOSED CONTOUR
- (PS) PERMANENT SEEDING (TYP.)
- (SS) SEEDING, CLASS 3 NORTHERN ILLINOIS SLOPE MIXTURE(TYP.)
- (EB) EROSION CONTROL BLANKET



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1.	09-10-24	ADD DUMPSTER PAD			
NO.	DATE	REVISIONS	NO.	DATE	REVISIONS

SOIL EROSION & SEDIMENT CONTROL PLAN

DAVIS SITE
KANE COUNTY, ILLINOIS

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DATE:	10/02/2023
JOB NO.:	E-2950
SCALE:	1" = 30'
SHEET	5 OF 5