

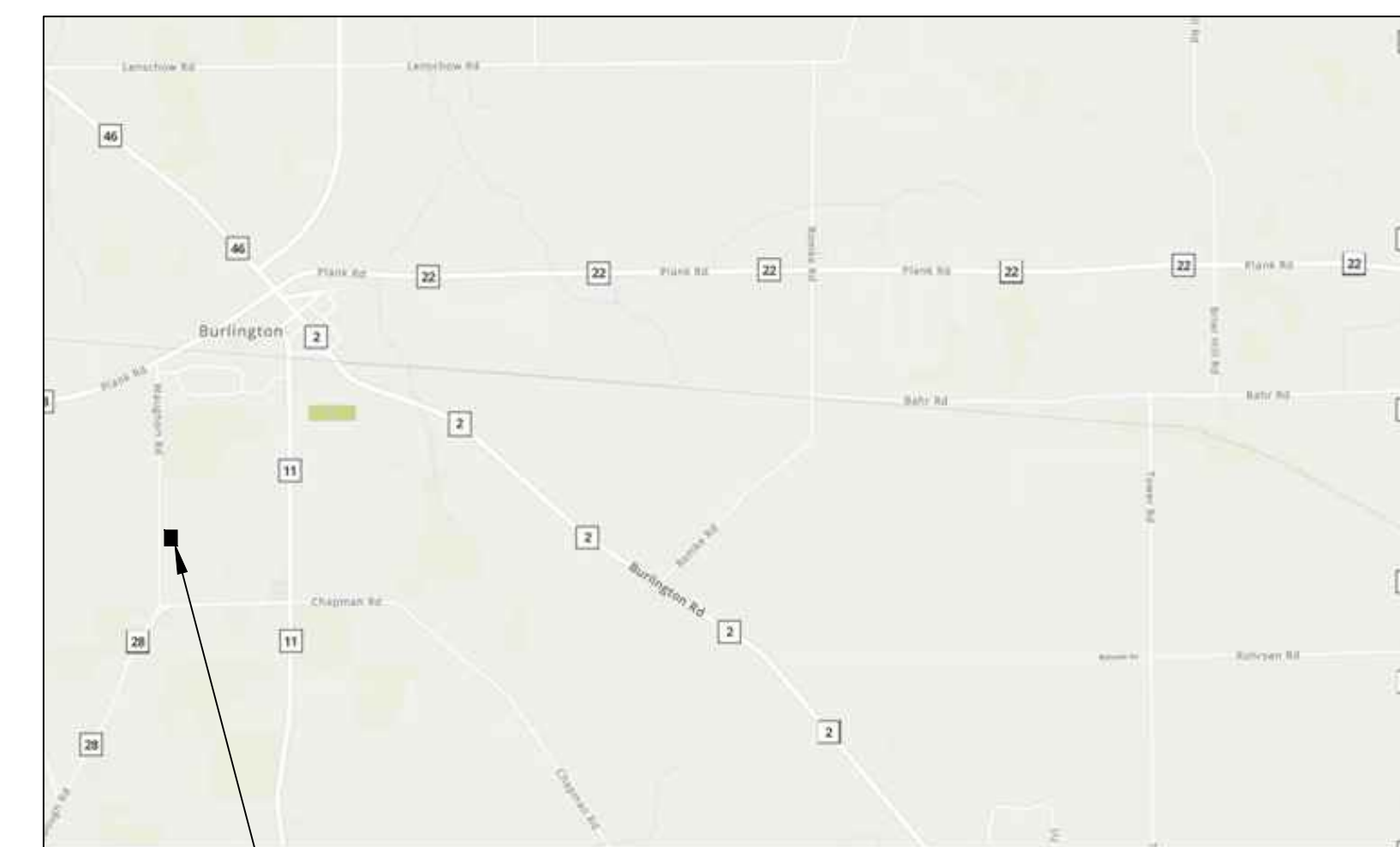
GENERAL NOTES:

- REFERENCED SPECIFICATIONS**
ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE FOLLOWING EXCEPT AS MODIFIED HEREIN OR ON THE PLANS:
 - STANDARD SPECIFICATIONS FOR SEWER AND WATER MAIN CONSTRUCTION IN ILLINOIS, 5th EDITION (STANDARD SPECIFICATIONS), FOR INSTALLATION OF SEWERS.
 - STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2012 BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT STANDARD SPECIFICATIONS) RIGHT OF WAYS.
 - KANE COUNTY ORDINANCES, REQUIREMENTS AND STANDARD DETAIL SHALL GOVERN IN THE EVENT OF CONFLICTING SPECIFICATIONS.
 - STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL PUBLISHED BY ILLINOIS ENVIRONMENTAL PROTECTION AGENCY.
 - ILLINOIS URBAN MANUAL FOR SOIL EROSION CONTROL PRACTICES
- NOTIFICATION**
IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE FOLLOWING:
 - KANE COUNTY 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - THE ELECTRIC, COMMUNICATIONS AND GAS UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- PERMITS**
OWNER SHALL SECURE PERMITS AS FOLLOWS AND COMPLY WITH ALL REQUIREMENTS OF THE PERMITS:
 - KANE COUNTY
- QUANTITIES**
THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES AS INDICATED ON THE PLANS. THE QUANTITIES WHICH ARE INDICATED ARE FOR BIDDING PURPOSES ONLY AND MUST BE VERIFIED. ANY DISCREPANCIES ARE TO BE REPORTED TO THE DESIGN ENGINEER.
- EXAMINATION OF THE SITE**
THE CONTRACTOR IS RESPONSIBLE FOR EXAMINING ALL SITE CONDITIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION AND IS TO COMPARE THE SITE CONDITIONS AS INDICATED ON THE ENGINEERING PLANS.
- INDEMNIFICATION**
THE CONTRACTOR(S) SHALL INDEMNIFY THE ENGINEER AND THEIR AGENTS, THE KANE COUNTY AND THEIR AGENTS FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION AND TESTING OF THIS WORK ON THIS PROJECT.
- LOCATION OF EXISTING UNDERGROUND UTILITIES**
THE LOCATION OF VARIOUS EXISTING UNDERGROUND UTILITIES WHICH ARE SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND REPRESENT THE BEST KNOWLEDGE OF THE ENGINEER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THEIR LOCATIONS AND ELEVATIONS PRIOR TO THE CONSTRUCTION OPERATIONS.
- DAMAGE TO PROPERTY**
ANY EXISTING PAVEMENT, SIDEWALK, DRIVEWAYS, ETC., DAMAGED BY THE CONTRACTOR'S OPERATIONS AND NOT CALLED FOR IN THE CONTRACT TO BE REMOVED SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
- CONTRACTOR TO VERIFY ELEVATIONS**
THE CONTRACTOR SHALL VERIFY ALL ELEVATIONS PRIOR TO THE START OF WORK AND, IF THERE ARE ANY DISCREPANCIES, IS TO NOTIFY THE ENGINEER AT ONCE. NO WORK SHALL BE DONE UNTIL THE DISCREPANCY IS RESOLVED.
- EROSION AND SEDIMENTATION CONTROL**
THE CONTRACTOR SHALL PROVIDE CONTROL FACILITIES SHOWN ON THE PLANS TO CONTROL EROSION AND SEDIMENTATION. ADDITIONAL MEASURES MUST BE UNDERTAKEN AS REQUIRED TO ACCOMMODATE SPECIAL CONDITIONS THAT ARISE DURING THE INSTALLATION OF THE FACILITIES. THE CONTRACTOR SHALL ALSO PROVIDE SUCH EROSION AND SEDIMENTATION CONTROL AS IS NECESSARY TO MEET THE REQUIREMENTS OF THE REFERENCED SPECIFICATIONS.

JAY MANJARREZ 12N011 WAUGHON RD KANE COUNTY, ILLINOIS

SITE BENCHMARKS:

- BENCHMARK NO. 1
NAIL ON EDGE OF PAVEMENT NEAR EAST SIDE OF WAUGHON ROAD AS SHOWN
ELEVATION 936.73 NAVD88
- BENCHMARK NO. 2
NAIL ON EDGE OF PAVEMENT NEAR EAST SIDE OF WAUGHON ROAD AS SHOWN
ELEVATION 938.20 NAVD88
- BENCHMARK NO. 3
NAIL ON EDGE OF PAVEMENT NEAR EAST SIDE OF WAUGHON ROAD AS SHOWN
ELEVATION 936.81 NAVD88



PROJECT LOCATION

LOCATION MAP

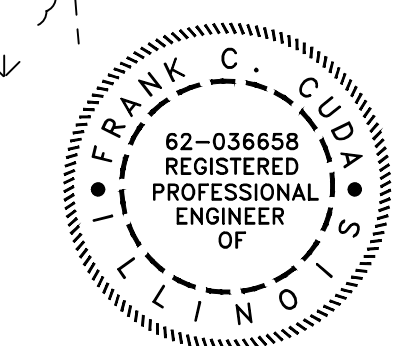
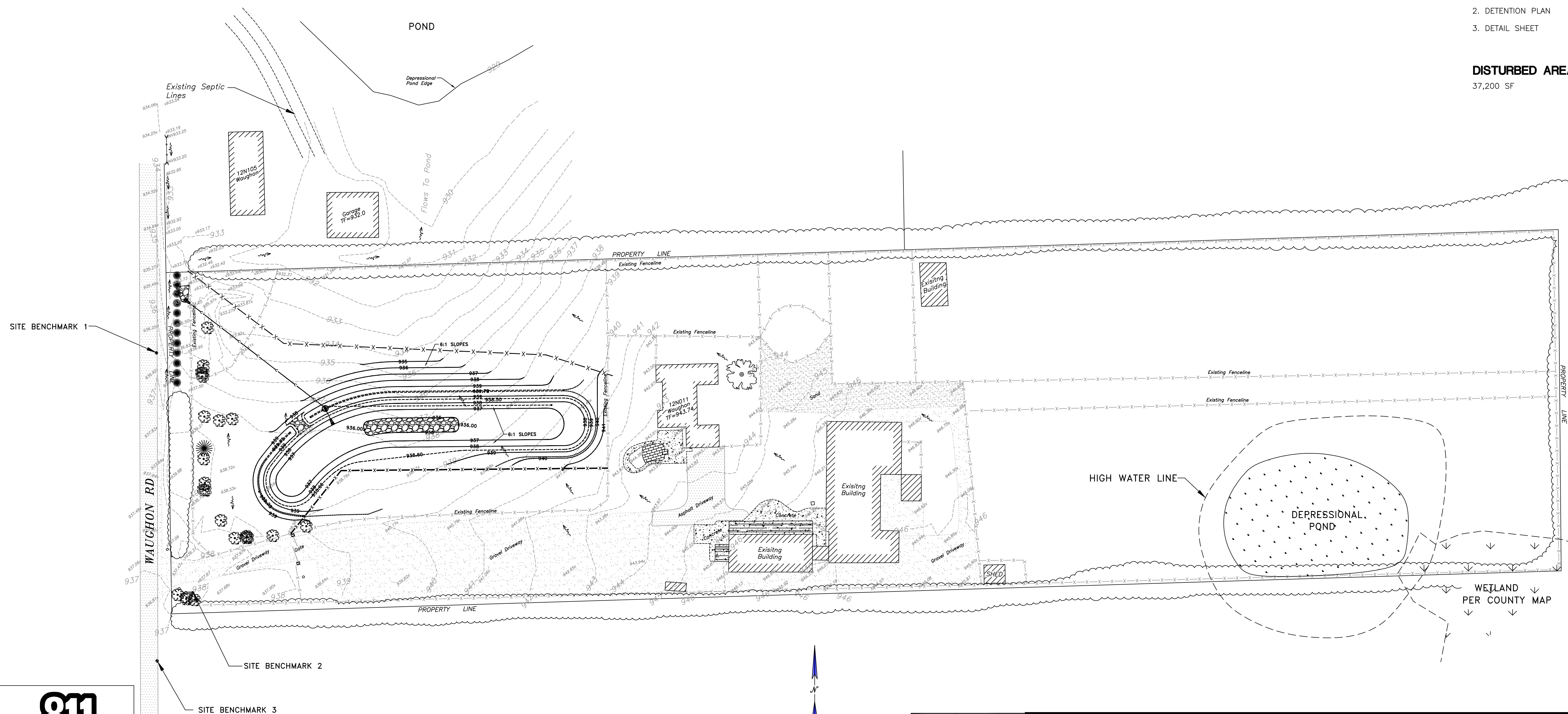
SCALE: NTS

INDEX OF SHEETS:

- OVERALL SITE PLAN
- DETENTION PLAN
- DETAIL SHEET

DISTURBED AREA:

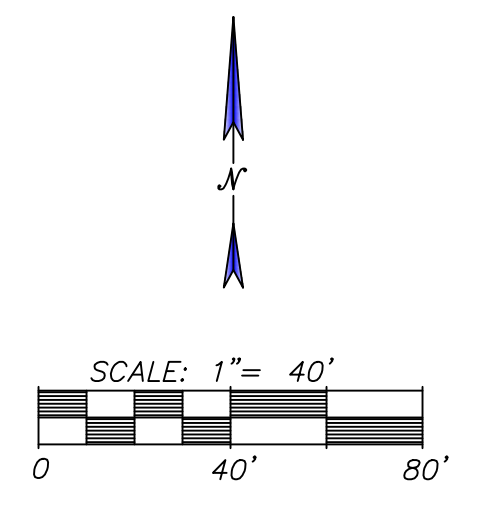
37,200 SF



11/25 12/10/23
 DATE DATE
 SIGNATURE
 Frank C. Cuda

J.U.L.I.E
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION CALL 811

 Know what's below.
 Call before you dig.

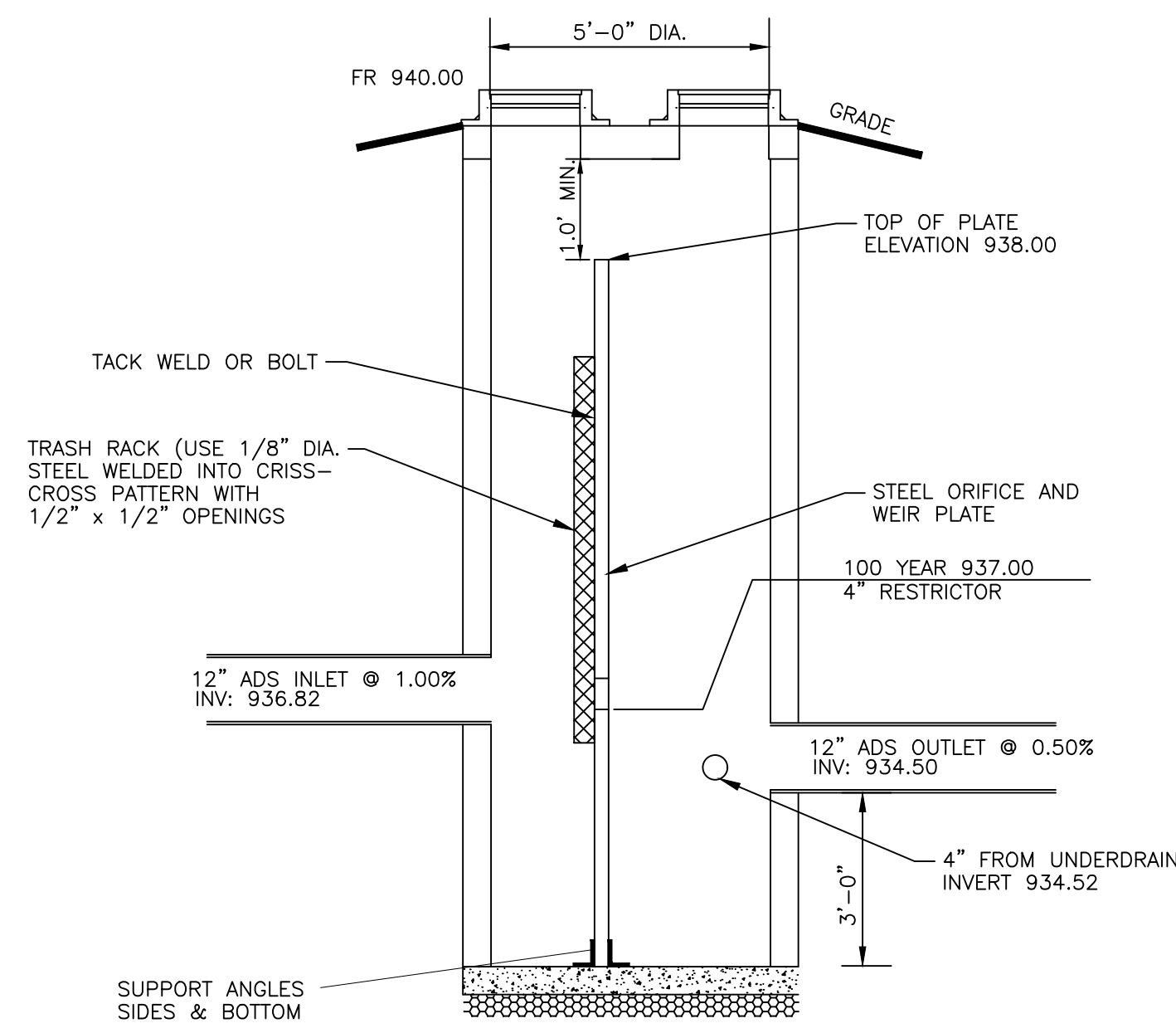


#	DATE	REMARKS
1	8-23	PER COUNTY REV
2	12-10-23	PER COUNTY REV

SCHEFLOW
 engineers
 1814 GRANDSTAND PLACE
 ELGIN, ILLINOIS 60123
 phone 847.697.7095
 fax 847.697.7099
 schefloweng.com
 Firm License No. 184-001104

KANE COUNTY
 12N011 WAUGHON RD
OVERALL SITE PLAN

SCALE	DATE
1"=40'	7-8-22
DRAWN BY	JOB NO.
AI	5807
CHECKED BY	SHEET NO.
FCC	1 of 3



CONTROL STRUCTURE

Drainage Statement
 To the best of our knowledge and belief, the drainage of surface waters will not be changed by the construction of this improvement or any part thereof, or, that if drainage will be changed, reasonable provision has been made for the collection and diversion of such surface waters in to the public areas, or drains approved for the use by the engineer, and that such surface waters are planned for in accordance with generally accepted engineering practices so as to reduce the likelihood of damages to the adjoining property because of the construction of this improvement.

Signature: *Franc C. Lee*

Date: 12/10/23

HOUSE	3238 SF
GRAVEL DRIVEWAY	10543 SF
ASPHALT DRIVEWAY	4964 SF
CONCRETE	1053 SF
DETACHED BUILDINGS	10406 SF
TOTAL	30204 SF

CURRENT IMPERVIOUS AREA:

HOUSE	3238 SF
GRAVEL DRIVEWAY	41112 SF
ASPHALT DRIVEWAY	3408 SF
CONCRETE	4348 SF
OUTTER BUILDINGS	13507 SF
BRICK	352 SF
TOTAL	67757 SF

NEW IMPERVIOUS AREA: 37553 SF
ALLOWABLE DISCHARGE:
 .862 ACRE X 0.10 CFS/ACRE = 0.086 CFS

DETENTION VOLUME:

REQUIRED DETENTION VOLUME: 22,991 CF
PROVIDED DETENTION VOLUME: 24,516 CF

STAGED STORAGE TABLE:

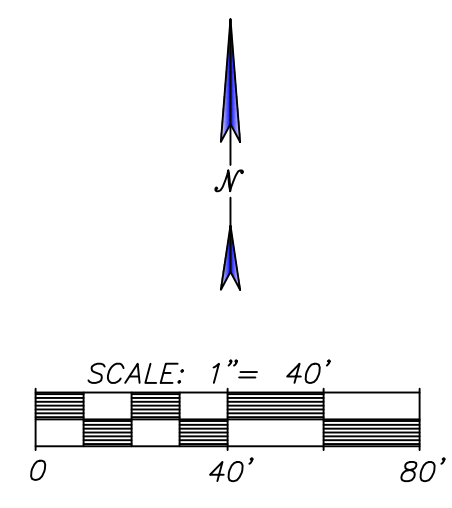
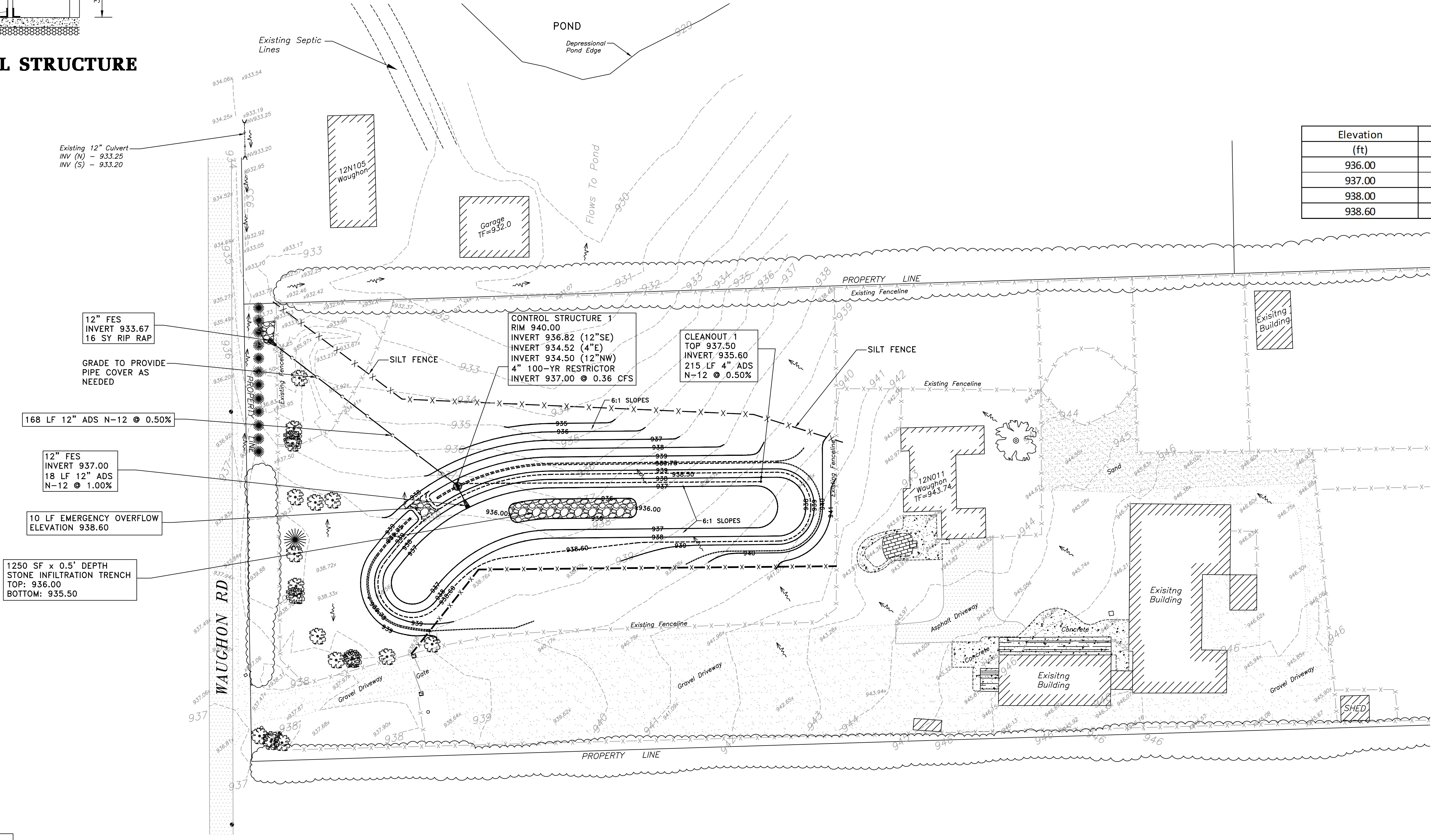
Elevation (ft)	Area (sf)	Volume (cf)	Volume Sum (cf)
936.00	1250	0.0	0.0
937.00	8621	4936	4936
938.00	13070	10846	15781
938.60	16046	8735	24516

RETENTION VOLUME:

REQUIRED RETENTION VOLUME: 3,129 CF
PROVIDED RETENTION VOLUME: 5,161 CF

DETENTION BASIN CALCULATION

REQUIRED: 22,991 CF
 PROVIDED: 24,516 CF
 TOP: 939.75
 OVERFLOW: 938.60
 OUTLET INVERT: 937.00
 BOTTOM: 936.00
 0.03 CFS WITH 1.5" RESTRICTOR AT 937.00 FOR 2 YR EVENT
 0.08 CFS WITH 0.5" RESTRICTOR AT 937.50 AND 1.5" RESTRICTOR AT 937.00 FOR 100 YR EVENT
 0.36 CFS WITH 4.0" RESTRICTOR INSTALLED HWL: 937.91
 0.16 CFS WITH BLOCKED RESTRICTOR HWL: 938.83



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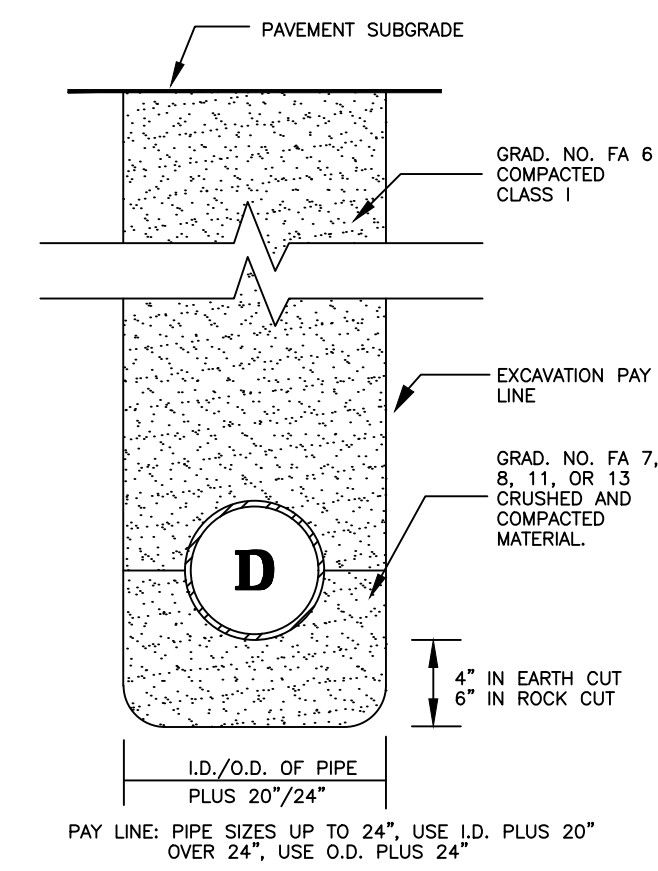
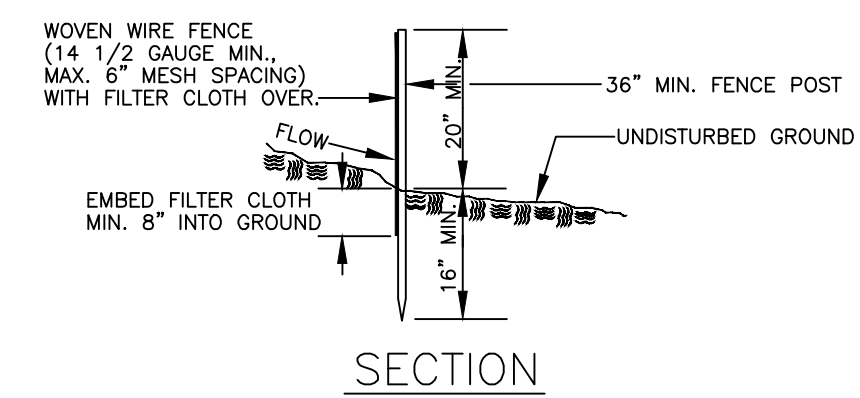
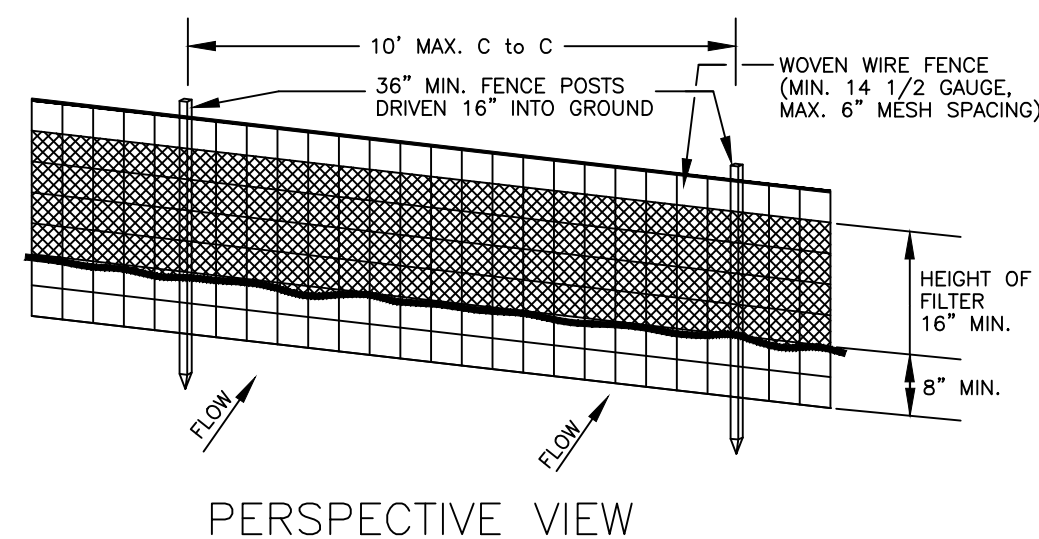
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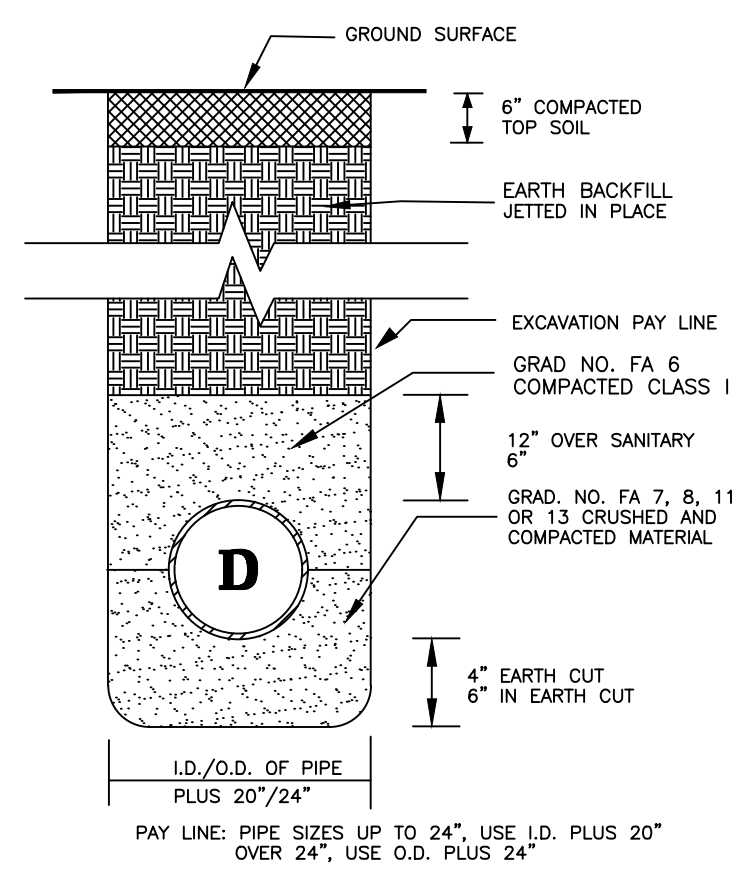
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KANE COUNTY
 ILLINOIS
 12N011 WAUGHON RD
DETENTION PLAN

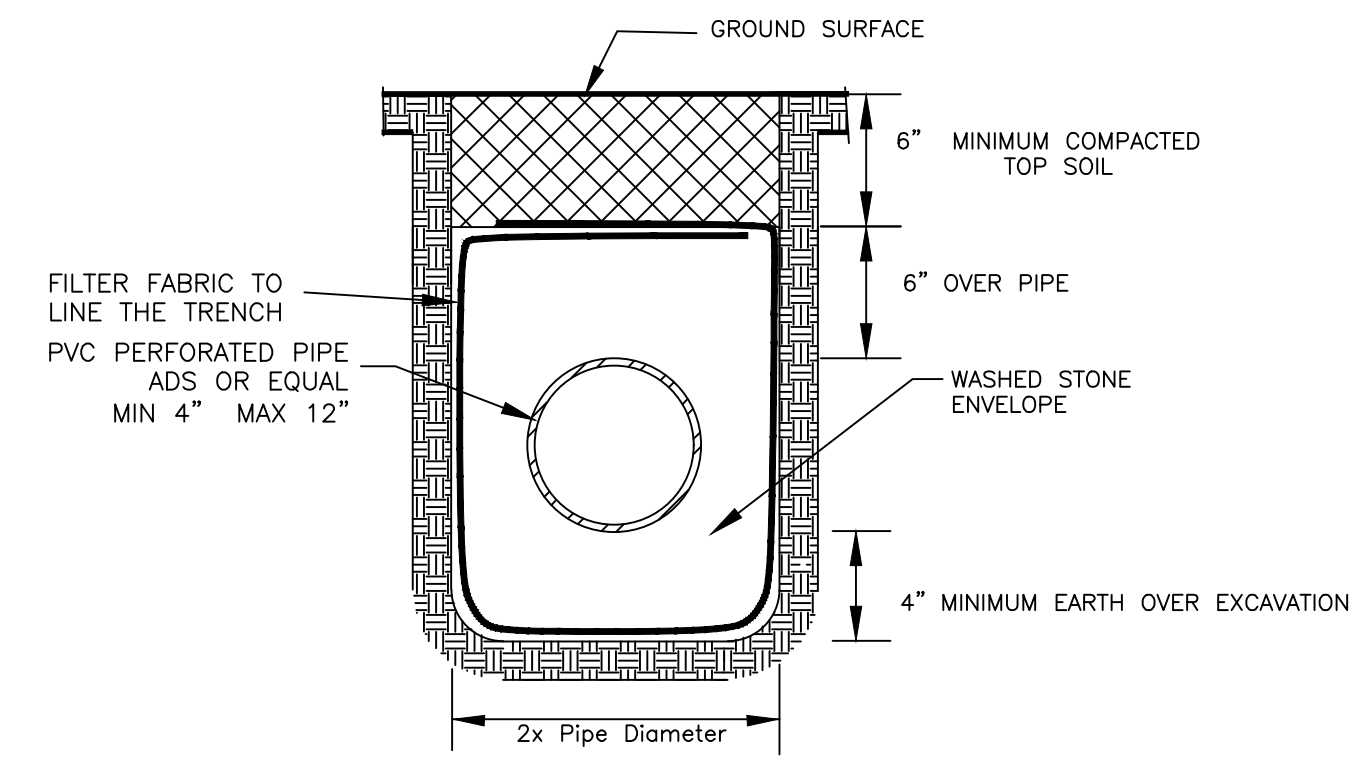
SCALE	DATE
1"=40'	8-7-23
DRAWN BY	JOB NO.
AI	5807
CHECKED BY	SHEET NO.
FCC	2 of 3



TRENCH SECTION IN PAVED AREA

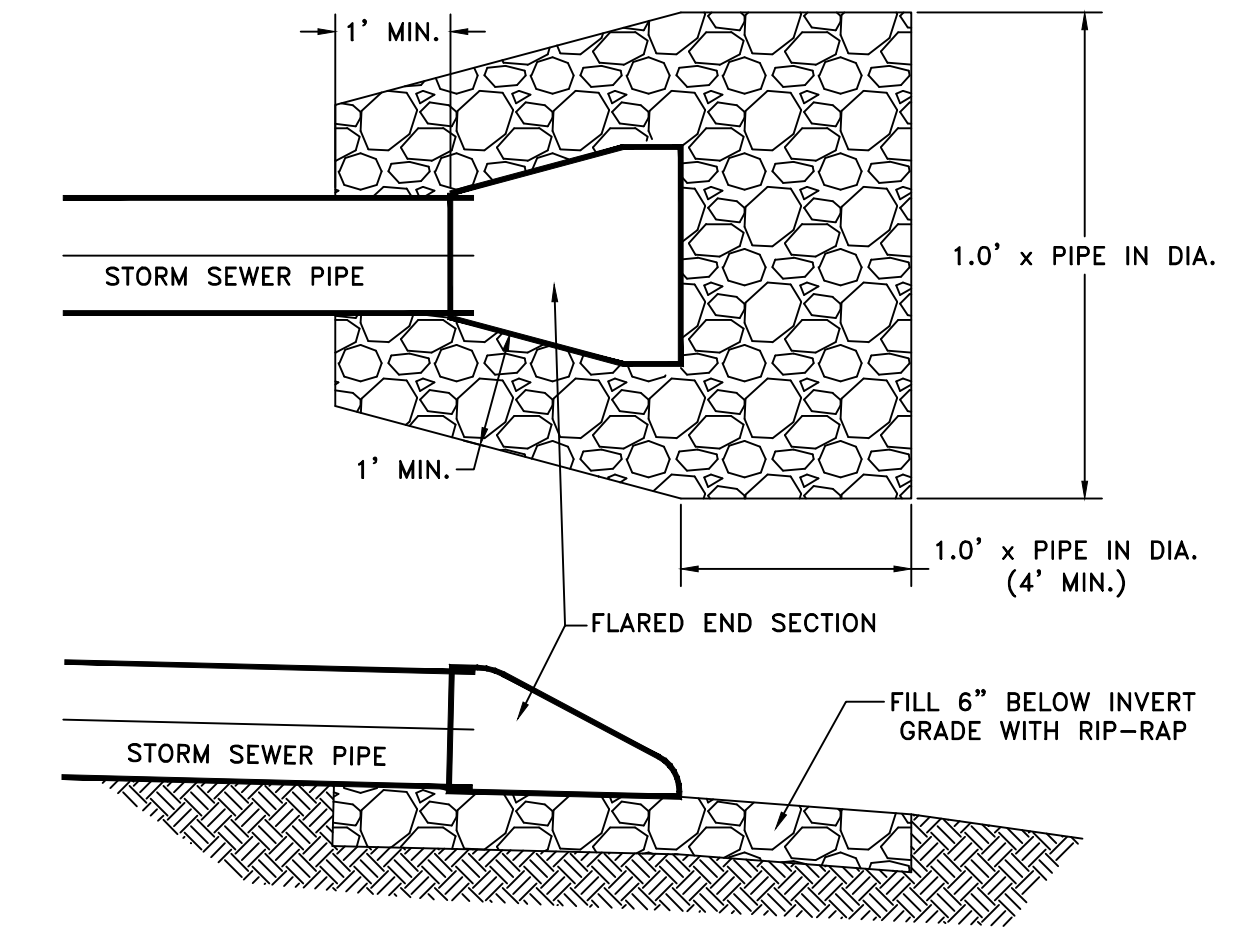


TRENCH SECTION IN UNPAVED AREA



NOTE: PVC PERFORATED PIPE WITH GEOTEXTILE WRAP INSTALLED BY MFG. PERMITTED WITH ENGINEERS APPROVAL ALL BACKFILL TO BE CLAY FREE

UNDERDRAIN TRENCH DETAIL



FES AND RIP-RAP DETAIL

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

- Woven wire fence to be fastened securely to fence posts with wire ties or staples. POSTS: Steel either T of U type or 2" hardwood
- Filter cloth to be fastened securely to woven wire fence with ties spaced every 24" at top and mid section. FENCE: Woven wire, 14 1/2 GA. 6" Max. mesh opening
- When two sections of filter cloth adjoin each other they shall be overlapped by six inches and folded. FILTER CLOTH: Filter X, Mirafi 100X, Stabi-linka T140X
- Maintenance shall be performed as needed and material removed when "bulges" develop in the silt fence. PREFABRICATED UNIT: Geofab, Envirofence

SILTATION FENCE

APPROXIMATE TIME SCHEDULE

	DAYS
1. INSTALL SEDIMENT CONTROL MEASURES	1
SF SILTATION FENCE	
2. GRADE SITE/ EXCAVATION	7
SP STOCKPILE TOPSOIL	
3. PRESERVE AND PROTECT EXIST. VEG.	0
4. TEMPORARY VEGETATIVE STABILIZATION OF CONTROL MEASURES	1
TS TEMPORARY SEEDING M MULCHING	
5. INSTALL STORM SEWER	4
IP INLET PROTECTION CB CATCH BASIN	
6. VEGETATIVE COVER ON ALL AREAS TO BE EXPOSED LONGER THAN 60 DAYS.	2
TS TEMPORARY SEEDING	
7. PERMANENT VEGETATIVE STABILIZATION OF ALL EXPOSED AREAS	2
PS PERMANENT SEED SO SODDING	
8. INSTALL PERMANENT LANDSCAPING	
9. PERFORM CONTINUING MAINTENANCE	

INSPECTION SCHEDULE

- DIVERSION AND STRUCTURAL MEASURES: WILL BE INSPECTED AT 5 DAY INTERVALS OR AFTER EVERY RAINSTORM PRODUCING RUNOFF.
 - BIO-STRUCTURE WILL BE CHECKED AFTER EACH MAJOR RAIN EVENT FOR SEDIMENT ACCUMULATION.
 - VEGETATIVE PLANTINGS - SPRING PLANTINGS WILL BE CHECKED DURING SUMMER OR EARLY FALL.
 - REPAIRS - ANY EROSION CONTROL MEASURES, STRUCTURAL MEASURES, OR OTHER RELATED ITEMS IN NEED OF REPAIR WILL BE MADE WITHIN 5 DAYS.
 - MOWING - DRAINAGE WAYS, DITCHES AND OTHER AREAS THAT SUPPORT A DESIGNED FLOW OF WATER WILL BE MOWED REGULARLY TO MAINTAIN THAT FLOW.
 - FERTILIZATION - SEEDED AREAS WHERE THE SEED HAS NOT PRODUCED A GOOD COVER, WILL BE INSPECTED AND FERTILIZED AS NECESSARY.
 - RIP-RAP - RIP-RAP SHALL BE PLACED AT ALL FLARED END SECTIONS AS SPECIFIED ON PLANS AND INSPECTED AND MAINTAINED AFTER ANY MAJOR RAIN. KANE COUNTY
- FIELD ADJUSTMENTS FOR THESE PRACTICES MAY BE REQUIRED AS JOB PROGRESSES, WHICH WILL BE DETERMINED BY KANE COUNTY. THE OWNER WILL HAVE THE RESPONSIBILITY TO INSURE COMPLIANCE OF THESE STANDARDS. SHALL HAVE JURISDICTION OVER SOIL EROSION CONTROL PRACTICES FOR THIS PROJECT.

EROSION CONTROL MEASURES NOTES

- Silt fence shall be installed along the entire edge of the property.
- Following final grading, all exposed areas shall be seeded and mulched within 10 Calendar days of final grading.
- All drop inlets on and adjacent to site shall have silt socks between lid and frame.
- Unless otherwise indicated, all vegetative and structural erosion and sediment control practices will be constructed according to minimum standards and specifications in the Illinois Urban Manual latest revision.
- The Kane County must be notified one week prior to the pre-construction conference, one week prior to the commencement of land disturbing activities, and one week prior to the final inspection.
- Temporary seeding or stabilization shall be established in any area which is not under active disturbance for a 7-day time frame.
- A copy of the approved erosion and sediment control plan shall be maintained on the site at all times.
- The contractor is responsible for installation of any additional erosion control measures necessary to prevent erosion and sedimentation as determined by Kane County.
- During dewatering operations, water will be pumped into sediment basins or silt traps. Dewatering into drain tiles or stormwater structures is strictly prohibited. Compromised drain tiles should be immediately abandoned or repaired.

VEGETATIVE COVER

- PERMANENT SEEDING - SEEDING MIXTURE TO BE KENTUCKY BLUEGRASS @ 200 LBS/ACRE. SEED BED PREPARATION SHALL BE ACCORDING TO GREEN BOOK. FERTILIZE AT 130 LBS/ACRE OF NITROGEN AND 40 LBS/ACRE EACH OF PHOSPHORUS AND POTASSIUM.
- TEMPORARY SEEDING - SEEDING MIXTURE TO BE CEREAL RYE OR WHEAT @ 300 LBS/ACRE. SEED BED REQUIRED. TOPSOIL TO BE BROUGHT ON-SITE AND PLACED AT A 4" THICKNESS IN AREAS BEING PREPARED FOR SEED.
- MULCHING - MULCH ALL TEMPORARY AND PERMANENT SEEDING AREAS WITH AIR DRIED STRAW @ 2 TONS/ACRE. APPLY NETTING ON TOP OF MULCH AND SECURE WITH STAPLES. INSTALL ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

Stabilization Type	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Temporary Seeding						Irrigation needed						
Permanent Seeding						Irrigation needed						
Dormant Seeding												
Sodding												
Mulching												

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KANE COUNTY ILLINOIS
12N011 WAUGHON RD
DETAIL SHEET

SCALE	DATE
NONE	8-7-23
DRAWN BY AI	JOB NO. 5807
CHECKED BY FCC	SHEET NO. 3 of 3