

## IMPROVEMENT PLANS FOR

**DUPAGE COUNTY, ILLINOIS**

**ISSUED FOR BID: APRIL 10, 2025**

FRANK DESIMONE	VILLAGE PRESIDENT
ROSA CARMONA	VILLAGE TRUSTEE
ANN FRANZ	VILLAGE TRUSTEE
MARIE FREY	VILLAGE TRUSTEE
MCLANE LOMAX	VILLAGE TRUSTEE
ARMANDO PEREZ	VILLAGE TRUSTEE
NICHOLAS PANICOLA JR.	VILLAGE TRUSTEE
NANCY QUINN	VILLAGE CLERK

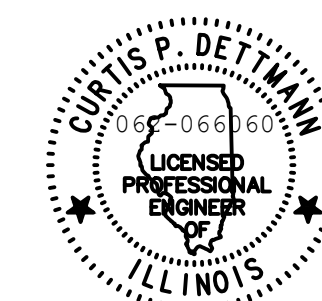


1. COVER SHEET
2. GENERAL NOTES AND SPECIFICATIONS
3. SUMMARY OF QUANTITIES AND LEGEND
4. STORMWATER POLLUTION PREVENTION PLAN
5. STORMWATER POLLUTION PREVENT PLAN DETAILS
6. EXISTING CONDITIONS & DEMOLITION PLAN
7. GRADING AND DRAINAGE PLAN
8. SOIL EROSION AND SEDIMENT CONTROL PLAN
9. TYPICAL DETAILS

**1" = 500'**



**Engineering Enterprises, Inc.**  
Consulting Engineers  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / [www.eeiweb.com](http://www.eeiweb.com) ILLINOIS  
PROFESSIONAL DESIGN FIRM # 184-002003



I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED  
UNDER MY DIRECT SUPERVISION.

DATED AT SUGAR GROVE, ILLINOIS,

THIS 10TH DAY OF APRIL, 2024.

CURTIS P. DETTMANN, P.E.  
ILLINOIS LICENSED PROFESSIONAL ENGINEER NO. 062-066060  
EXPIRATION DATE: 11/30/25

[illegible]

## REVISIONS



<b>SITE REFERENCE MARK 1</b>
EAST BONNET BOLT WITH ARROW POINTING TOWARDS ON THE FIRE HYDRANT LOCATED AT THE SOUTHWEST CORNER OF MARSHALL ROAD AND GREEN VALLEY ST
ELEVATION = 688.84 (NAVD88)

<b>SITE REFERENCE MARK 2</b>
SOUTH BONNET BOLT WITH ARROW POINTING TOWARDS ON THE FIRST FIRE HYDRANT EAST OF KEVYN LANE ON THE NORTH SIDE OF STONEHAM ST
ELEVATION = 685.05 (NAVD88)

Plotlet: April 10, 2025 @ 2:08 PM By: Pamela Whitfield -- Tab: 02 Notes 22x34

GENERAL NOTES

1) ALL CONSTRUCTION SHALL COMPLY WITH THE APPLICABLE ORDINANCES AND REQUIREMENTS OF THE VILLAGE OF BENSENVILLE'S ENGINEERING AND CONSTRUCTION STANDARDS AND SPECIFICATIONS (HEREIN AFTER BENSENVILLE STANDARD SPECIFICATIONS), UNLESS NOTED OTHERWISE, SHALL CONFORM TO THE SPECIFICATIONS OF THE "ILLINOIS DEPARTMENT OF TRANSPORTATION (I.D.O.T.) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND THE "ILLINOIS SOCIETY OF PROFESSIONAL ENGINEERS (ISPE) STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", BOTH OF WHICH SHALL BE THE LATEST EDITION. ALL CONSTRUCTION SHALL ALSO CONFORM TO THE ILLINOIS RECOMMENDED STANDARDS FOR SEWAGE WORKS, LATEST EDITION PUBLISHED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY (I.E.P.A.). THESE SPECIFICATIONS SHALL BE CONSIDERED A PART OF BENSENVILLE'S STANDARD SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN THE STATE SPECIFICATIONS AND THE BENSENVILLE STANDARD SPECIFICATIONS, THE MOST RESTRICTIVE PROVISIONS SHALL TAKE PRECEDENCE. ANY VARIATIONS OR ALTERNATIVES TO THE BENSENVILLE STANDARD SPECIFICATIONS MUST BE SUBMITTED TO AND APPROVED BY THE VILLAGE ENGINEER OR THEIR DESIGNEE(S) (HEREIN AFTER VILLAGE ENGINEER) IN WRITING.

2) ALL PAVING AND EXCAVATION WORK SHALL COMPLY WITH THE APPLICABLE ORDINANCES OF THE VILLAGE OF BENSENVILLE AND THE ILLINOIS DEPARTMENT OF TRANSPORTATION "SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" LATEST EDITION. IN CASE OF A CONFLICT, THE MOST RESTRICTIVE PROVISIONS SHALL GOVERN.

3) IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ABIDE BY, ADHERE TO AND PERFORM ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS, SPECIFICATIONS, STANDARDS, PRACTICES, POLICIES AND CODES OF THE VILLAGE OF BENSENVILLE WHICH INCLUDES BUT IS NOT LIMITED TO LABOR, MATERIALS, PROCEDURES AND SAFETY.

4) ANY CHANGES, REVISIONS OR SUBSTITUTIONS TO THE PLANS, SPECIFICATIONS, MATERIALS, REQUIREMENTS OR WORK SHALL BE SUBMITTED TO THE VILLAGE ENGINEER, IN WRITING, WITH WRITTEN APPROVAL BY THE VILLAGE ENGINEER RECEIVED PRIOR TO THE BEGINNING OF SAID WORK. ALL SUCH MATERIALS AND CONSTRUCTION, WHETHER IMPLICITLY OR EXPLICITLY STATED OR COVERED WITHIN THE REQUIREMENTS, CODES OR SPECIFICATIONS SHALL BE APPROVED BY THE VILLAGE ENGINEER PRIOR TO COMMENCING THE INSTALLATION AND CONSTRUCTION. THE CHANGED, REVISED AND SUBSTITUTED ITEMS MUST BE ACCOUNTED FOR IN THE RECORD DRAWINGS.

5) THE CONTRACTOR SHALL FIELD CHECK AND VERIFY ALL EXISTING UTILITY LOCATIONS, DIMENSIONS AND ELEVATIONS IN THE FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OF THE IMPROVEMENTS OR PROPOSED WORK. ALL EXISTING UTILITY LOCATIONS SHOWN ON THE PLANS ARE BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR WILL NOTIFY THE VILLAGE ENGINEER IMMEDIATELY IF DISCREPANCIES ARE FOUND.

6) ALL VERTICAL CONTROL RECORDS (ELEVATIONS) SHALL BE REFERENCED UPON U.S.G.S. NAVD 88 DATUM. FOR HORIZONTAL CONTROL, STATE PLANE 83 EAST ILLINOIS REGION COORDINATE SYSTEM SHALL BE USED.

7) THE CONTRACTOR SHALL NOTIFY THE VILLAGE OF BENSENVILLE, ENGINEERING DIVISION OF PUBLIC WORKS DEPARTMENT (630) 350-3435 AND J.U.L.I.E. (800) 892-0123 AT LEAST 48 HOURS PRIOR TO STARTING CONSTRUCTION. ALL OTHER AGENCIES SHALL ALSO BE NOTIFIED AS REQUIRED.

8) IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CALL THE ENGINEER AT LEAST 48 HOURS IN ADVANCE AND SET UP THE NECESSARY AND PROPER INSPECTION(S) FOR ALL WORK PERFORMED.

9) THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO A CONDITION EQUAL TO OR BETTER THAN WHAT EXISTED PRIOR TO CONSTRUCTION.

10) ALL EXISTING FIELD DRAINAGE TILES ENCOUNTERED OR DAMAGED DURING CONSTRUCTION ARE TO BE RESTORED TO THEIR ORIGINAL CONDITION, PROPERLY REROUTED AND/OR CONNECTED TO THE STORM SEWER SYSTEM. CONNECTIONS SHALL BE MADE AT STRUCTURES; PREFERABLY CATCH BASINS ONLY, NO BLIND TOPS ARE ALLOWED. AS-BUILT DRAWINGS SHALL BE PROVIDED TO THE VILLAGE'S ENGINEERING DIVISION OF PUBLIC WORKS DEPARTMENT.

11) ALL INDEPENDENT TESTING, IF REQUIRED BY THE ENGINEER, IS TO BE PAID FOR BY THE CONTRACTOR. TESTING IS TO BE AT THE DISCRETION OF THE ENGINEER. RESULTS SHALL BE PROVIDED TO THE ENGINEER WITHIN 48 HOURS OF TESTING.

12) THE CONTRACTOR SHALL VERIFY THAT ALL PUBLIC IMPROVEMENTS ARE CONSTRUCTED WITHIN PUBLIC RIGHT-OF-WAY OR GRANTED PUBLIC EASEMENTS.

13) ONE SET OF APPROVED PLANS AS WELL AS APPROVED PERMIT(S) SHALL BE ON SITE AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT.

14) STORM AND SANITARY SEWER LINES SHALL BE CLEARED OF ALL CONSTRUCTION DEBRIS AND SILT PRIOR TO REQUESTING INSPECTION.

15) CONTRACTOR SHALL MAINTAIN PUBLIC RIGHT-OF-WAY FREE AND CLEAR OF ANY OBSTRUCTION(S) INCLUDING BUT NOT LIMITED TO ROCKS, BOULDERS, DEBRIS, MUD, EQUIPMENT OR MATERIAL.

16) THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITIES AND GARBAGE COLLECTION (WASTE MANAGEMENT). THE CONTRACTOR SHALL ALSO ASSIST GARBAGE COLLECTION WHEN EQUIPMENT OR CONSTRUCTION ACTIVITY IS BLOCKING RESIDENTIAL DRIVEWAYS.

17) THE CONTRACTOR WILL BE PERMITTED TO STORE EQUIPMENT AND MATERIAL ON SITE. ALL EQUIPMENT AND MATERIAL SHALL ONLY BLOCK ONE SIDE OF THE ROAD AND THE CONTRACTOR IS TO USE ONLY LOW VOLUME ROADS FOR STORAGE. ALL EQUIPMENT STORED OVERNIGHT ON ROADWAYS SHALL BE BARRICADED WITH FLASHERS.

18) LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE ONLY, AND ARE NOT NECESSARILY COMPLETE. THE CONTRACTOR SHALL MAKE HIS OWN INVESTIGATIONS AS TO THE LOCATIONS OF ALL EXISTING STRUCTURES, CABLES, AND PIPE LINES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT UTILITY COMPANIES TO ARRANGE FOR LOCATION OF ANY UTILITIES THEY MAY HAVE IN THE VARIOUS AREAS AND TO PROVIDE HIS SCHEDULE.

19) IT IS UNDERSTOOD AND AGREED THAT THE CONTRACTOR HAS CONSIDERED IN THEIR BID ALL OF THE PERMANENT AND TEMPORARY UTILITY APPURTENANCES IN THEIR PRESENT OR RELOCATED POSITIONS AND THAT NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY DELAYS, INCONVENIENCE OR DAMAGE. IT IS ALSO SUGGESTED THAT THE CONTRACTOR CALL THE CONCERNED UTILITY COMPANIES FOR FURTHER INFORMATION. CONTRACTOR SHALL BRING TO THE ATTENTION OF THE ENGINEER ANY POTENTIAL CONFLICTS AFTER RECEIVING ALL NECESSARY JULIE INFORMATION. IN AREAS WHERE J.U.L.I.E. LOCATES REVEAL POTENTIAL CONFLICTS WITH PROPOSED STORM SEWER INSTALLATION OR ROADWAY EXCAVATION, THE CONTRACTOR SHALL FIELD VERIFY THE DEPTH OF THESE UTILITY CROSSINGS. IN ANY SUCH AREA, THE ENGINEER WILL VERIFY IF POTENTIAL ADJUSTMENTS TO THE PROPOSED UTILITY INSTALLATIONS WILL BE REQUIRED.

GENERAL UNDERGROUND UTILITIES

1) TRENCH BACKFILL SHALL BE PROVIDED FOR ANY TRENCH EXCAVATED UNDER AND WITHIN TWO FEET (2') OF ALL EXISTING AND PROPOSED ROADWAYS AND OR SIDEWALKS. BACKFILL MATERIAL SHALL BE APPROVED AND INSPECTED BY ENGINEER.

2) NON-SHEAR OR MECHANICAL JOINT GASKET COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPE OF DISSIMILAR MATERIALS.

3) SEWER CONNECTIONS TO AN EXISTING MANHOLE SHALL BE MACHINE CORED.

4) ECCENTRIC CONE SECTIONS SHALL BE USED ON ALL MANHOLES AND CATCH BASINS UNLESS APPROVED OTHERWISE BY THE ENGINEER. VALVE VAULTS SHALL HAVE THEIR OPENINGS CENTERED OVER THE VALVE.

5) ALL SEWER CONSTRUCTION REQUIRES BEDDING WITH SELECT GRANULAR BACKFILL (IDOT EQUIVALENT CA-6, CA-7, FA-6) WITH A MINIMUM THICKNESS EQUAL TO 1/4 THE OUTSIDE DIAMETER OF THE SEWER PIPE, BUT NOT LESS THAN FOUR (4) INCHES, OR GREATER THAN EIGHT (8) INCHES.

6) ALL SEWER CONSTRUCTION SHALL CONFORM TO THE APPROVED PERMIT AND PLANS UNLESS REVISIONS HAVE BEEN APPROVED BY THE VILLAGE, AS WELL AS ANY AND ALL OTHER REGULATING AGENCIES.

7) MAXIMUM HEIGHT ATTAINED BY ADJUSTING RINGS FOR A SANITARY STRUCTURE SHALL BE EIGHT (8) INCHES. MAXIMUM HEIGHT ATTAINED BY ADJUSTING RINGS FOR A WATER OR STORM STRUCTURE SHALL BE TWELVE (12) INCHES. NO MORE THAN TWO RINGS SHALL BE USED FOR ADJUSTMENT.

8) ANY TREE TRIMMING OR TREE PROTECTION NEEDED FOR EQUIPMENT CLEARANCE SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

STORM SEWER

1) ALL STORM SEWER PIPES SHALL BE REINFORCED CONCRETE PIPE CONFORMING TO ASTM C-76 CLASS IV WITH CONFINED O-RING GASKETED JOINTS IN COMPLIANCE WITH ASTM C-361.

2) ALL OPEN GRATE STORM SEWER STRUCTURE SHALL HAVE "DUMP NO WASTE, DRAINS TO RIVER" AND APPROPRIATE SYMBOL (FISH SYMBOL) IMPRINTED IN THE GRATE OR CURB BOX. FRAMES AND GRATES FOR ALL STRUCTURES SHALL BE AS SPECIFIED IN THE VILLAGE STANDARD DETAILS.

3) ALL STORM SEWER MAINS SHALL BE INSPECTED WITH A VIDEO CAMERA PRIOR TO ACCEPTANCE. THE SEWER SHALL BE CLEARED OF ALL CONSTRUCTION DEBRIS AND SILT PRIOR TO TELEVISIONING. THE REPORT ACCOMPANYING THE VIDEO SHALL ACCURATELY STATE STRUCTURE NUMBER, TYPE, PIPE SIZE & LENGTH, AND LOCATION OF ALL SERVICES. ALL DEFECTS IN PIPES AND CONSTRUCTION SHALL BE CALLED OUT. PROVIDE A COPY OF THE TELEVISION TO THE ENGINEER IN A NON-REWRITABLE DVD FORMAT THAT CAN BE PLAYED ON ANY STANDARD DVD PLAYER. ANY DISCREPANCY FOUND IN THE SYSTEM SHALL BE CORRECTED AND RE-TELEVISED PRIOR TO FINAL ACCEPTANCE. THIS WORK SHALL BE INCLUDED IN THE COST OF THE STORM SEWER.

EARTHWORK/EROSION CONTROL

1) ALL EROSION CONTROL WORK SHALL COMPLY WITH DUPAGE COUNTY STORM WATER MANAGEMENT ORDINANCE AND TECHNICAL MANUAL AS AMENDED BY THE VILLAGE OF BENSENVILLE AND PER THE LATEST ADDITION OF THE ILLINOIS URBAN MANUAL.

2) STRIPPING OF VEGETATION, GRADING OR OTHER SOIL DISTURBANCE, ESPECIALLY IN DESIGNATED WETLAND AREAS SHALL BE DONE IN A MANNER WHICH WILL MINIMIZE SOIL EROSION, AND SHALL BE IN ACCORDANCE WITH THE APPROVED DRAWINGS, MITIGATION AND PERMIT REQUIREMENTS.

3) THE EXTENT OF THE EXPOSED AREA AND DURATION OF EXPOSURE SHALL BE KEPT WITHIN PRACTICAL LIMITS AS DIRECTED BY THE VILLAGE ENGINEER.

4) SEDIMENT SHALL BE RETAINED ON SITE. EROSION CONTROL DEVICES SHALL BE INSTALLED ALONG THE PERIMETER OF ALL RE-GRADED AREAS OR AS REQUIRED TO PREVENT SEDIMENT FROM ENTERING AND/OR LEAVING THE SITE.

CONSTRUCTION NOTES:

1. CONTRACTOR MUST MAINTAIN ONE LANE OF TRAFFIC AT ALL TIMES ON EXISTING ROADWAYS.
2. PAVEMENT REMOVAL AND REPLACEMENT BEYOND THE LIMITS (WHERE SPECIFIED IN THE PLANS AND SPECIFICATIONS) SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.
3. ALL PROPOSED DETECTABLE WARNINGS SHALL BE ARMOR-TILE "BRICK RED" #22144.
4. SIZE, DEPTH, AND LOCATION OF EXISTING UTILITIES TO BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION AND SHALL BE INCLUDED IN THE COST OF THE CONTRACT. ANY INFORMATION FOUND TO BE DIFFERENT THAN THE PLANS SHALL BE GIVEN TO THE ENGINEER PRIOR TO CONSTRUCTION.
5. ANY REQUIRED DEWATERING OPERATIONS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.



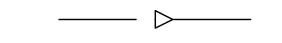
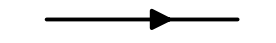
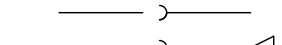
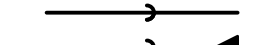
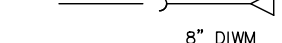
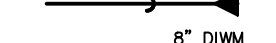
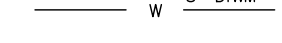

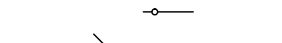
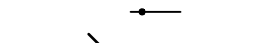


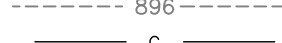
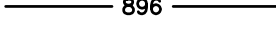
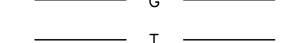







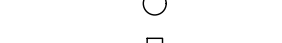

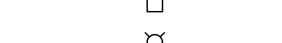





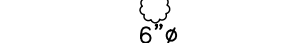
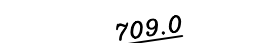



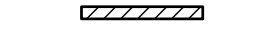


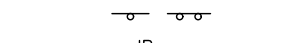
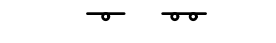
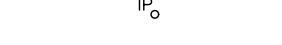

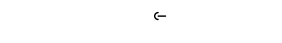

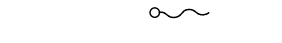



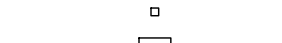

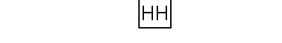
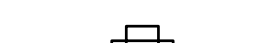

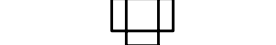





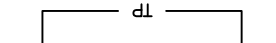

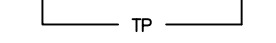


NO.	DATE	REVISIONS	

Plotted: April 10, 2025 @ 2:08 PM By: Pamela Whitfield -- Tab: 03\_S00\_22x34

SUMMARY OF QUANTITIES - BROWNGATE SUBDIVISION DETENTION BASIN

ITEM NO.	ITEM	UNIT	QUANTITY
1	REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL	CY	225
2	EARTH EXCAVATION	CY	5100
3	INLET & PIPE PROTECTION	EACH	2
4	PERIMETER EROSION BARRIER	LF	565
5	STABILIZED CONSTRUCTION ENTRANCE	LSUM	1
6	TREE ROOT PRUNING	EACH	4
7	TREE PROTECTION	EACH	4
8	DUST CONTROL WATERING	UNIT	32
9	EROSION CONTROL BLANKET	SY	2024
10	TREE REMOVAL	UNIT	70
11	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	SY	340
12	HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT	SY	89
13	HOT-MIX ASPHALT BINDER COURSE, IL 19.0, 2"	TON	40
14	HOT-MIX ASPHALT SURFACE COURSE, MIX D, 2"	TON	40
15	AGGREGATE SUBGRADE IMPROVEMENT	CY	20
16	SIDEWALK REMOVAL	SF	150
17	PCC SIDEWALK, 5"	SF	150
18	FLARED END SECTION, 12" RCP	EACH	1
19	STORM SEWER, CLASS B, TYPE 2, 12" RCP	LF	14
20	PIPE UNDERDRAIN, 6" HDPE	LF	70
21	CONNECTION TO EXISTING STORM STRUCTURE	EACH	1
22	RESTORATION	SY	10166
23	SUPPLEMENTAL WATERING	UNIT	40
24	NON-SPECIAL, NON-HAZARDOUS WASTE DISPOSAL - TYPE 1	CY	500
25	NON-SPECIAL, NON-HAZARDOUS WASTE DISPOSAL - TYPE 2	CY	100
26	EXPLORATORY EXCAVATION	EACH	10
27	CONSTRUCTION LAYOUT	LS	1
28	TRAFFIC CONTROL AND PROTECTION	LS	1
29	MOBILIZATION	LS	1
30	ALLOWANCE - ITEMS ORDERED BY ENGINEER	UNIT	25000

LEGEND

EXISTING	DESCRIPTION	PROPOSED
	SANITARY SEWER	
	STORM SEWER	
	END SECTION	
	WATER MAIN & SIZE	
	WATER SERVICE & BOX	
	SEWER SERVICE	
	CONTOUR	
	GAS MAIN	
	TELEPHONE CABLE	
	SILT FENCE	
	MANHOLE	
	CATCH BASIN	
	INLET	
	HYDRANT	
	VALVE VAULT	
	TREE	
	ELEVATION	
	TRENCH BACKFILL	
	STREET LIGHT	
	SIGNS	
	FOUND IRON PIPE	
	GUY WIRE	
	FLAG POLE	
	UTILITY POLE	
	UTILITY PEDESTAL	
	HANDHOLE	
	STRAW BALES	
	ITEM DESIGNATED FOR REMOVAL	
	TREE PROTECTION REQUIRED	
	BITUMINOUS PAVEMENT	
	CONCRETE	
	GRAVEL	

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VILLAGE OF BENSENVILLE  
DUPAGE COUNTY, ILLINOIS

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Bar = 1" When  
printed FULL size.  
Adjust stated  
scales to print size.

NO.	DATE	REVISIONS

BROWNGATE SUBDIVISION  
DETENTION BASIN

SUMMARY OF QUANTITIES  
AND LEGEND

DATE: JANUARY	2025
PROJECT NO:	BE2401
FILE:	BE2401-COVER
SHEET	3 OF 9

PATH: Y:\\$USPROJ\BE\_BENSENVILLE\2024\BE2401\DWG FINAL ENG\BE2401-COVER



STORMWATER POLLUTION PREVENTION PLAN

A COPY OF THIS PLAN, ALONG WITH ALL INSPECTION REPORTS, WILL BE KEPT AT THE SITE AT ALL TIMES.

THE PERMITEE SHALL RETAIN COPIES OF STORMWATER POLLUTION PREVENTION PLANS AND ALL REPORTS AND NOTICES REQUIRED BY THIS PERMIT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THE PERMIT COVERAGE EXPIRES OR IS TERMINATED.

1.0 SITE DESCRIPTION:

- A. PROJECT NAME AND LOCATION:  
BROWNGATE SUBDIVISION DETENTION BASIN,  
GREEN VALLEY DR & FRANZEN DR, VILLAGE OF BENSENVILLE,  
DUPAGE COUNTY, ILLINOIS

B. PROJECT DESCRIPTION:  
INSTALLATION OF DETENTION BASIN FOR FLOOD RELIEF.

C. TOTAL ON-SITE AREA = 2.3 AC

D. ON-SITE WETLAND AREA = NO WETLANDS ON-SITE

E. TOTAL AREA DISTURBED = 2.3 AC

F. RUNOFF COEFFICIENT OF SITE AFTER CONSTRUCTION = 0.45

G. SOILS  
805B – ORTHENTS, CLAYEY, UNDULATING  
854B – MARKHAM-ASHKUM-BEECHER COMPLEX

H. RECEIVING WATERS: BENSENVILLE DITCH TO SILVER CREEK

I. EXISTING SITE CONDITIONS: UNDEVELOPED GRASS FIELD, FORMER SCHOOL PROPERTY

J. ADJACENT/OFFSITE AREAS: SINGLE FAMILY RESIDENTIAL SUBDIVISION AND COMMERCIAL/INDUSTRIAL DEVELOPMENT

K. GENERAL SCHEDULE OF CONSTRUCTION PER LOCATION OR SEGMENT:  

1. INSTALL EROSION CONTROL MEASURES  
2. BRUSH AND TREE CLEARING  
3. EARTH EXCAVATION FOR DETENTION BASIN  
4. INSTALL NEW STORM SEWER  
5. TOPSOIL PLACEMENT, FINE GRADING, AND VEGETATIVE RESTORATION

2.0 CONTROLS

A. EROSION AND SEDIMENT CONTROLS

REFER TO THE IMPROVEMENT PLANS FOR BROWNGATE SUBDIVISION DETENTION BASIN AND THIS SWPPP.

EROSION AND SEDIMENT CONTROL MUST BE INSTALLED PER ILLINOIS URBAN MANUAL.

- TEMPORARY SEEDING – AS NEEDED PER DETAIL
- PERMANENT SEEDING – PER PLAN
- SILT FENCE – PER PLAN
- INLET PROTECTION – PER PLAN

ADDITIONAL EROSION AND SEDIMENT CONTROLS WILL BE INSTALLED AT THE DIRECTION OF THE VILLAGE OR RESIDENT ENGINEER.

EXISTING VEGETATION SHALL BE PROTECTED AS MUCH AS POSSIBLE

EXISTING TREES SHALL BE PROTECTED PRIOR TO CONSTRUCTION UNLESS OTHERWISE DESIGNATED FOR REMOVAL.

TEMPORARY SEEDING AND MULCHING SHALL OCCUR WITHIN DAYS FOLLOWING THE COMPLETION OF ANY LAND DISTURBING ACTIVITIES.

EROSION CONTROL BLANKETS SHALL BE INSTALLED DURING FINAL RESTORATION OR IMMEDIATELY FOLLOWING THE SEEDING OF SLOPES 6:1 OR GREATER.

B. STORM WATER MANAGEMENT

REFER TO THE PLAN SHEETS OF THE IMPROVEMENT PLANS FOR BROWNGATE SUBDIVISION DETENTION BASIN AND THIS SWPPP.

RUNOFF:  
THE EXISTING SITE DRAINS TO A DEPRESSIONAL AREA IN THE OPEN FIELD. THE PROPOSED FLOW WILL DRAIN TO THE DETENTION BASIN AND INTO THE EXISTING STORM SEWER. THE CONTRACTOR SHALL MAINTAIN AN OUTLET FOR THE OVERLAND FLOW ROUTES DURING CONSTRUCTION OF THE IMPROVEMENTS.

DETENTION: DETENTION WILL BE PROVIDED IN THE PROPOSED BASIN

VELOCITY DISSIPATION: NONE REQUIRED

C. STABILIZATION PRACTICES

THE STORMWATER POLLUTION PREVENTION PLAN SHALL INCLUDE A DESCRIPTION OF INTERIM AND PERMANENT STABILIZATION PRACTICES, INCLUDING SITE-SPECIFIC SCHEDULING OF THE IMPLEMENTATION OF THE PRACTICES. SITE PLANS SHOULD ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE PRACTICABLE AND THE DISTURBED PORTIONS OF THE SITE ARE STABILIZED. A RECORD OF THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR, WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE, AND WHEN STABILIZATION MEASURES ARE INITIATED SHALL BE INCLUDED IN THE PLAN.

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, OR TEMPORARILY CEASED ON ANY PORTION OF THE SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS.

IF ANY SITE AREA IS TO REMAIN DISTURBED FOR OVER 14 DAYS, THEN THE CONTRACTOR MUST INITIATE STABILIZATION MEASURES WITHIN 1 WORKING DAY OF THE CESSATION OF WORK. STABILIZATION EFFORTS MUST BE COMPLETED WITHIN 14 CALENDAR DAYS OF THE INITIATION OF STABILIZATION.

D. STRUCTURAL PRACTICES

THE FOLLOWING REQUIREMENTS APPLY TO PROTECTING STORM DRAIN INLETS:

1. INLET PROTECTION MUST BE INSTALLED PRIOR TO SITE RUNOFF ENTERING THE SEWER, PROVIDED THERE IS THE AUTHORITY TO DO SO.
2. CLEAN OR REMOVE AND REPLACE, THE PROTECTION MEASURES AS SEDIMENT ACCUMULATES, THE FILTER BECOMES CLOGGED, AND/OR PERFORMANCE IS COMPROMISED. WHERE THERE IS EVIDENCE OF SEDIMENT ACCUMULATION ADJACENT TO THE INLET PROTECTION MEASURES, THE SEDIMENT MUST BE REMOVED BY THE END OF THE DAY.

E. POLLUTION PREVENTION

THE PERMITTEE SHALL DESIGN, INSTALL, IMPLEMENT, AND MAINTAIN EFFECTIVE POLLUTION PREVENTION MEASURES TO MINIMIZE THE DISCHARGE OF POLLUTANTS. AT A MINIMUM, SUCH MEASURES MUST BE DESIGNED, INSTALLED, IMPLEMENTED AND MAINTAINED TO:

1. MINIMIZE POLLUTANT DISCHARGE FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.
2. MINIMIZE EXPOSURE OF FUEL, OIL, HYDRAULIC FLUIDS, OTHER PETROLEUM PRODUCTS, AND OTHER CHEMICALS BY STORING IN COVERED AREAS OR CONTAINMENT AREAS.
3. MINIMIZE EXPOSURE OF BUILDING MATERIALS, BUILDING PRODUCTS, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, AND OTHER MATERIALS PRESENT ON THE SITE BY STORING IN COVERED AREAS OR CONTAINMENT AREAS. MINIMIZATION OF EXPOSURE IS NOT REQUIRED FOR ANY PRODUCTS OR MATERIALS WHERE THE EXPOSURE TO PRECIPITATION OR STORMWATER WILL NOT RESULT IN A DISCHARGE OF POLLUTANTS.
4. CHEMICAL CONTAINERS WITH A STORAGE OF 55 GALLONS OR MORE MUST BE STORED A MINIMUM OF 50 FEET FROM RECEIVING WATERS, CONSTRUCTED OR NATURAL DRAINAGE FEATURES, AND STORM DRAIN INLETS. IF THIS IS INFEASIBLE DUE TO SITE CONSTRAINTS, CONTAINERS ARE TO BE STORED AS FAR AWAY AS POSSIBLE AND DOCUMENTED IN THE PLAN WHY THE 50 FOOT SETBACK IS INFEASIBLE AND HOW THE CONTAINERS WILL BE STORED.

F. WASTE DISPOSAL

ALL WASTES COMPOSED OF BUILDING MATERIALS MUST BE REMOVED FROM THE SITE FOR DISPOSAL IN PERMITTED DISPOSAL FACILITIES. THE PROJECT SITE WILL BE KEPT CLEAR OF ALL HUMAN AND CONSTRUCTION DEBRIS. NO BUILDING MATERIALS, GAS OR OIL SHALL BE BURIED, DUMPED, OR DISCHARGED AT THE SITE. A SECURELY LIDDED DUMPSTER WILL BE PROVIDED FOR STANDARD SOLID WASTE.

HAZARDOUS WASTE WILL BE DISPOSED OF AS SPECIFIED BY DUPAGE COUNTY AND THE VILLAGE OF BENSENVILLE. THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, OR THE MANUFACTURER OF THE MATERIAL WHICH EVER IS STRICTER. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES AND THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR THE PROPER DISPOSAL OF ALL HAZARDOUS WASTE PRODUCED AS A PART OF THIS CONSTRUCTION PROJECT.

SANITARY WASTE WILL BE COLLECTED IN PORTABLE UNITS AND DRAINED AS SPECIFIED BY THE VILLAGE OF BENSENVILLE.

ANY SPILLED OIL, GAS, OR OTHER CONSTRUCTION MATERIAL WILL BE CONTAINED AND CLEANED IMMEDIATELY. CONTAMINATED SOIL WILL BE DISPOSED OF IN AN APPROVED MANNER AT A LICENSED LANDFILL.

A SINGLE CONCRETE WASHOUT AREA WILL BE DESIGNATED BY THE CONTRACTOR FOR USE DURING THE DURATION OF THE PROJECT. THE WASHOUT AREA WILL BE DUG OUT OR BERMED UP TO CONTAIN ALL WASHOUT MATERIAL. ALL AFFECTED SOILS AND CONCRETE SPOILS WILL BE REMOVED FROM THE SITE UPON COMPLETION OF THE CONCRETE PLACEMENT ACTIVITIES.

G. OTHER REQUIREMENTS

THE VILLAGE OF BENSENVILLE SUBDIVISION ORDINANCES AND THE DUPAGE COUNTY STORMWATER MANAGEMENT ORDINANCE WILL GOVERN ALL EROSION CONTROL AND STORMWATER MANAGEMENT OPERATIONS.

THE VILLAGE ENGINEER WILL PROVIDE PERIODIC REVIEWS OF THE EROSION CONTROL MEASURES.

NO FUEL OR OIL WILL BE STORED ON-SITE WITHOUT PROPER CONTAINMENT AND WRITTEN PERMISSION FROM DUPAGE COUNTY OR THE VILLAGE OF BENSENVILLE.

THE CONTRACTOR WILL PREVENT OFF-SITE TRACKING OF SEDIMENTS. ANY SEDIMENT LEFT ON THE PUBLIC ROADWAY WILL BE CLEANED OFF EVERY NIGHT.

DUST CONTROL, IF DEEMED NECESSARY BY THE VILLAGE ENGINEER, WILL BE DONE BY MEANS OF A WATER TRUCK SPRAYING WATER ON THE SURFACE OF THE SITE.

THE PLAN SHALL INCLUDE SPILL RESPONSE PROVISIONS IF THERE ARE RELEASES IN EXCESS OF REPORTABLE QUANTITIES.

A. NON-STORMWATER DISCHARGES

IT IS EXPECTED THAT THE FOLLOWING NON-STORMWATER DISCHARGES WILL OCCUR FROM THIS SITE DURING THE CONSTRUCTION PERIOD.

1. UNCONTAMINATED GROUND AND SURFACE WATER FROM DEWATERING EXCAVATIONS AND DETENTION BASINS
2. DUST CONTROL WATER

NON-STORMWATER DISCHARGES WILL BE DIRECTED TO THE STORM SEWER.

3.0 MAINTENANCE

A. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND REGULAR INSPECTION OF ALL DISTURBED AREAS THAT HAVE NOT BEEN FINALLY STABILIZED AND ALL STRUCTURAL EROSION CONTROL MEASURES AND FOR RECORDING AND KEEPING A RECORD OF EACH INSPECTION. THIS PROCESS WILL CONTINUE UNTIL FINAL STABILIZATION IS ACHIEVED AND A NOTICE OF TERMINATION IS RECEIVED BY THE OWNER. INSPECTIONS WILL BE PERFORMED AND RECORDED BY QUALIFIED INDIVIDUALS EVERY WEEK (MINIMUM) AND WITHIN 24 HOURS OF A 1/2" RAINFALL EVENT. AREAS INACCESSIBLE DURING INSPECTIONS DUE TO FLOODING OR OTHER UNSAFE CONDITIONS MUST BE INSPECTED WITHIN 72 HOURS OF BECOMING ACCESSIBLE.

4.0 INSPECTIONS

A QUALIFIED INDIVIDUAL IS EITHER A LICENSED PROFESSIONAL ENGINEER (P.E.), A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC), A CERTIFIED EROSION SEDIMENT AND STORM WATER INSPECTOR (CESSWI) OR OTHER KNOWLEDGEABLE PERSON WHO POSSESSES THE SKILLS TO ASSESS CONDITIONS AT THE CONSTRUCTION SITE THAT COULD IMPACT STORM WATER QUALITY AND TO ASSESS THE EFFECTIVENESS OF ANY SEDIMENT AND EROSION CONTROL MEASURES SELECTED TO CONTROL THE QUALITY OF STORMWATER DISCHARGES FROM THE CONSTRUCTION ACTIVITIES. IF THE INSPECTOR IS NOT A P.E., CPESC, OR CESSWE, THEN THE INSPECTORS QUALIFICATIONS AND EXPERIENCE MUST BE SUMMARIZED ON THE INSPECTION FORMS.

A. INSPECTIONS MAY BE REDUCED TO ONCE PER MONTH WHEN CONSTRUCTION ACTIVITIES HAVE CEASED DUE TO FROZEN CONDITIONS. WEEKLY INSPECTIONS WILL RECOMMENCE WHEN CONSTRUCTION ACTIVITIES ARE CONDUCTED, IF THERE IS A 0.5 INCH OR GREATER RAIN EVENT, OR A DISCHARGE DUE TO SNOWMELT OCCURS.

B. INSPECTIONS MUST INCLUDE DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND MUST 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 OR WORKDAY THAT IS 0.50 INCHES OR GREATER. AREAS INACCESSIBLE DURING INSPECTIONS DUE TO FLOODING OR OTHER UNSAFE CONDITIONS MUST BE INSPECTED WITHIN 72 HOURS OF BECOMING ACCESSIBLE.

C. ALL AREAS WHERE STORMWATER TYPICALLY FLOWS WITHIN THE SITE AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFFSITE SEDIMENT TRACKING. ALL LOCATIONS WHERE STABILIZATION MEASURES HAVE BEEN IMPLEMENTED MUST BE OBSERVED TO ENSURE THAT THEY ARE STILL STABILIZED.

D. ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER. ANY NECESSARY REPAIRS WILL BE INITIATED IMMEDIATELY.

E. BASED ON THE RESULTS OF THE INSPECTIONS, MODIFICATIONS NECESSARY SHALL BE IMPLEMENTED WITHIN 7 DAYS OF THE INSPECTION. ANY MODIFICATIONS TO THE PLAN MUST ALSO BE MADE WITHIN 7 CALENDAR DAYS OF THE INSPECTION.

F. SEDIMENT BUILDUP WILL BE REMOVED FROM SILT FENCES WHEN IT HAS REACHED 1/3 THE HEIGHT OF THE FABRIC.

G. SEDIMENT BUILDUP WILL BE REMOVED FROM OTHER EROSION CONTROLS AS NEEDED TO MAINTAIN STORMWATER FLOW THROUGH THE SITE AND AVOID SEDIMENT FROM BYPASSING THE EROSION CONTROLS.

H. EROSION CONTROL MEASURES WILL BE REPAIRED, MAINTAINED, OR INCREASED AT THE DIRECTION OF DUPAGE COUNTY, THE VILLAGE OF BENSENVILLE, OR THE VILLAGE ENGINEER.

I. A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION. THE REPORT SHALL SUMMARIZE THE SCOPE OF THE INSPECTION, NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION, THE DATE(S) OF THE INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE STORMWATER POLLUTION PREVENTION PLAN, AND ACTIONS TAKEN TO SOLVE ANY PROBLEMS OBSERVED. THE INSPECTION REPORT SHALL BE SIGNED BY A QUALIFIED INDIVIDUAL PER NPDES GENERAL PERMIT NO. 2.

J. ANY FLOODING OR OTHER UNSAFE CONDITIONS THAT DELAY INSPECTIONS MUST BE DOCUMENTED IN THE INSPECTION REPORT.

K. INSPECTION REPORTS SHALL BE RETAINED AS A PART OF THE STORMWATER POLLUTION PREVENTION PLAN FOR AT LEAST THREE YEARS AFTER FINAL STABILIZATION AND A NOTICE OF DISCONTINUATION HAS BEEN SUBMITTED TO THE DEPARTMENT.

L. THE PERMITTEE MUST NOTIFY THE APPROPRIATE AGENCY FIELD OPERATIONS SECTION OFFICE BY EMAIL AT: EPA.SWNONCOMP@ILLINOIS.GOV, TELEPHONE, OR FAX WITHIN 24 HOURS OF ANY INCIDENCE OF NONCOMPLIANCE FOR ANY VIOLATION OF THE SWPPP OBSERVED DURING ANY INSPECTION CONDUCTED, OR FOR VIOLATIONS OF ANY CONDITION OF THIS PERMIT. THE PERMITTEE MUST COMPLETE AND SUBMIT WITHIN 5 DAYS OF AN "INCIDENCE OF NONCOMPLIANCE" (ION) REPORT FOR ANY VIOLATION OF THE SWPPP OBSERVED DURING ANY SPECIFIC INFORMATION ON THE CAUSE OF NONCOMPLIANCE, ACTIONS TAKEN TO PREVENT ANY FURTHER CAUSES OF NONCOMPLIANCE, AND A STATEMENT DETAILING ANY ENVIRONMENTAL

IMPACT WHICH MAY HAVE RESULTED FROM THE NONCOMPLIANCE. CORRECTIVE ACTIONS MUST BE UNDERTAKEN IMMEDIATELY TO ADDRESS THE IDENTIFIED NON-COMPLIANCE ISSUE(S).

M. THE VILLAGE ENGINEER SHALL BE CONTACTED IN THE EVENT OF INCIDENT OF NONCOMPLIANCE AND WILL BE RESPONSIBLE FOR CONTACTING ALL RESPONSE AGENCIES AS NEEDED IN ORDER TO CLEAN THE SITE IN A TIMELY FASHION.

N. ALL REPORTS OF NONCOMPLIANCE SHALL BE SIGNED BY A RESPONSIBLE AUTHORITY AS DEFINED IN PART VI.G.

O. ION REPORTS MUST BE COMPLETED ON FORMS PROVIDED BY THE AGENCY.

P. AFTER THE INITIAL CONTACT HAS BEEN MADE WITH THE APPROPRIATE AGENCY FIELD OPERATIONS SECTION OFFICE, ALL REPORTS OF NONCOMPLIANCE MUST BE MAILED TO THE AGENCY AT THE FOLLOWING ADDRESS:

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF WATER POLLUTION CONTROL  
COMPLIANCE ASSURANCE SECTION  
1021 NORTH GRAND AVENUE EAST  
POST OFFICE BOX 19276  
SPRINGFIELD, IL 62794-9276

5.0 CORRECTIVE ACTIONS

CORRECTIVE ACTIONS MUST BE IMPLEMENTED TO ADDRESS ANY OF THE FOLLOWING CONDITIONS IDENTIFIED AT THE SITE:

5. A STORMWATER CONTROL NEEDS REPAIR OR REPLACEMENT
6. A STORMWATER CONTROL NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT WAS NEVER INSTALLED OR WAS INSTALLED INCORRECTLY
7. DISCHARGES ARE CAUSING AN EXCEEDANCE OF APPLICABLE WATER QUALITY STANDARDS
8. A PROHIBITED DISCHARGE HAS OCCURRED.

CORRECTIVE ACTIONS MUST BE COMPLETED AS SOON AS POSSIBLE AND DOCUMENTED WITHIN 7 DAYS IN AN INSPECTION REPORT OR REPORT OF NONCOMPLIANCE. IF IT IS INFEASIBLE TO COMPLETE THE INSTALLATION OR REPAIR WITHIN 7 CALENDAR DAYS, IT MUST BE DOCUMENTED WHY IT IS INFEASIBLE TO COMPLETE THE INSTALLATION OR REPAIR WITHIN THE 7-DAY TIMEFRAME AND DOCUMENT THE SCHEDULE FOR INSTALLING THE STORMWATER CONTROL(S) AND MAKING IT OPERATIONAL AS SOON AS FEASIBLE AFTER THE 7-DAY TIMEFRAME. IF MAINTENANCE IS REQUIRED FOR THE SAME STORMWATER CONTROL AT THE SAME LOCATION THREE OR MORE TIMES, THE CONTROL MUST BE REPAIRED IN A MANNER THAT PREVENTS CONTINUED FAILURE TO THE EXTENT FEASIBLE, AND THE CONDITION AND HOW IT WAS REPAIRED MUST BE DOCUMENTED. ALTERNATIVELY, IT MUST BE DOCUMENTED WHY THE SPECIFIC REOCCURRENCE OF THIS SAME ISSUE SHOULD CONTINUE TO BE ADDRESSED AS A ROUTINE MAINTENANCE FIX.

CONTRACTOR'S CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT (ILR10) THAT AUTHORIZES THE STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS A PART OF THIS CERTIFICATION.

GENERAL CONTRACTOR:

COMPANY NAME

COMPANY ADDRESS

COMPANY PHONE NUMBER

PRINTED NAME AND TITLE

SIGNATURE

DATE

SUB-CONTRACTOR #1:

SUB-CONTRACTORS RESPONSIBILITY

COMPANY NAME

COMPANY ADDRESS

COMPANY PHONE NUMBER

PRINTED NAME AND TITLE

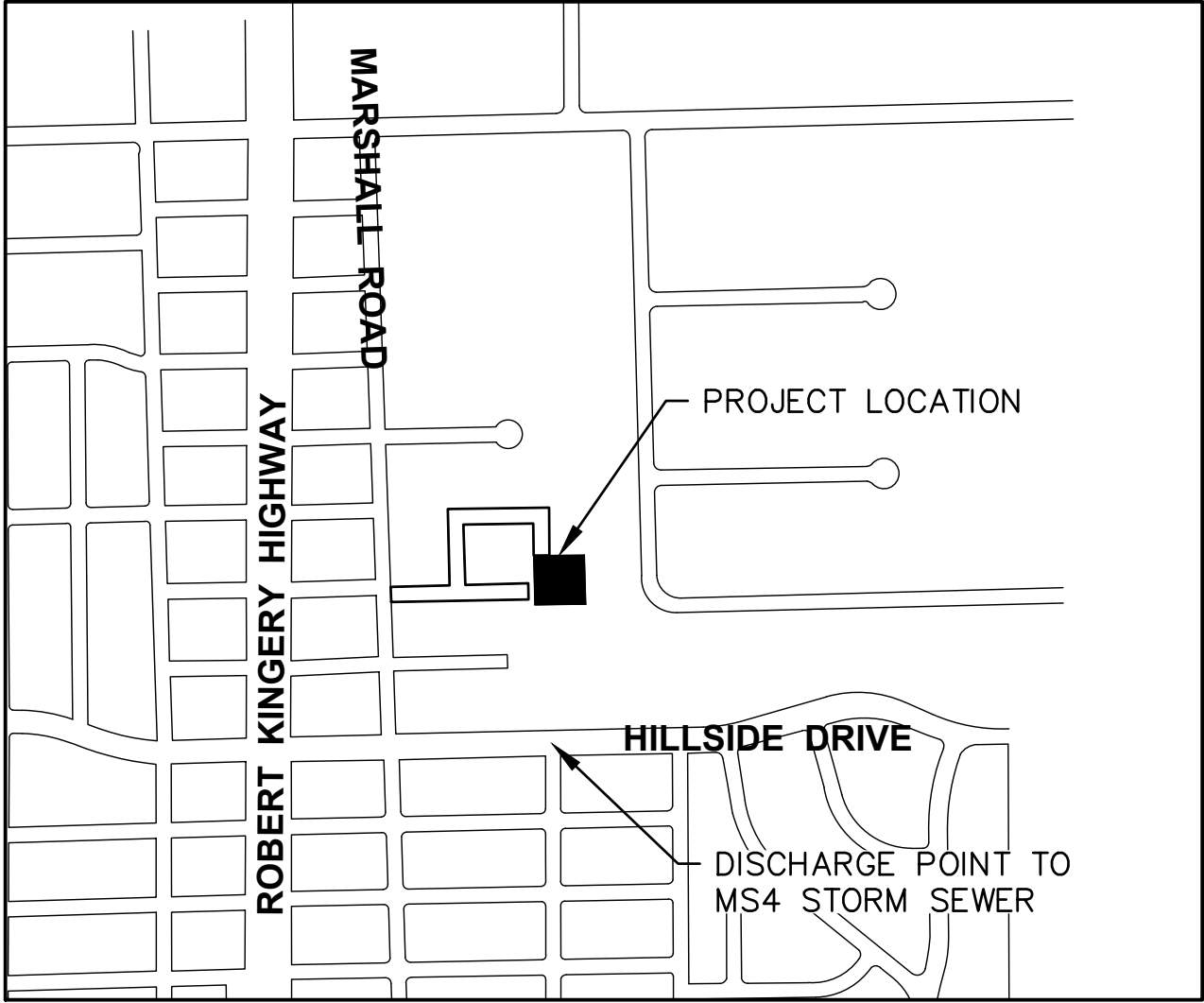
SIGNATURE

DATE

USE ADDITIONAL SHEETS FOR ADDITIONAL SUB-CONTRACTORS. EACH SHEET WILL HAVE THE PROJECT NAME AND LOCATION AS DESCRIBED IN THE SITE DESCRIPTION ON THIS SHEET. EACH ADDITIONAL SUB-CONTRACTOR WILL PROVIDE THEIR RESPONSIBILITY, COMPANY NAME, ADDRESS AND PHONE NUMBER, PRINTED NAME AND TITLE, SIGNATURE AND DATE.

THIS INFORMATION WILL BE KEPT WITH THIS PLAN.

SWPPP MAP  
N.T.S.



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CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
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VILLAGE OF BENSENVILLE  
DUPAGE COUNTY, ILLINOIS

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Adjust stated  
scales to print size.

NO.	DATE	REVISIONS	

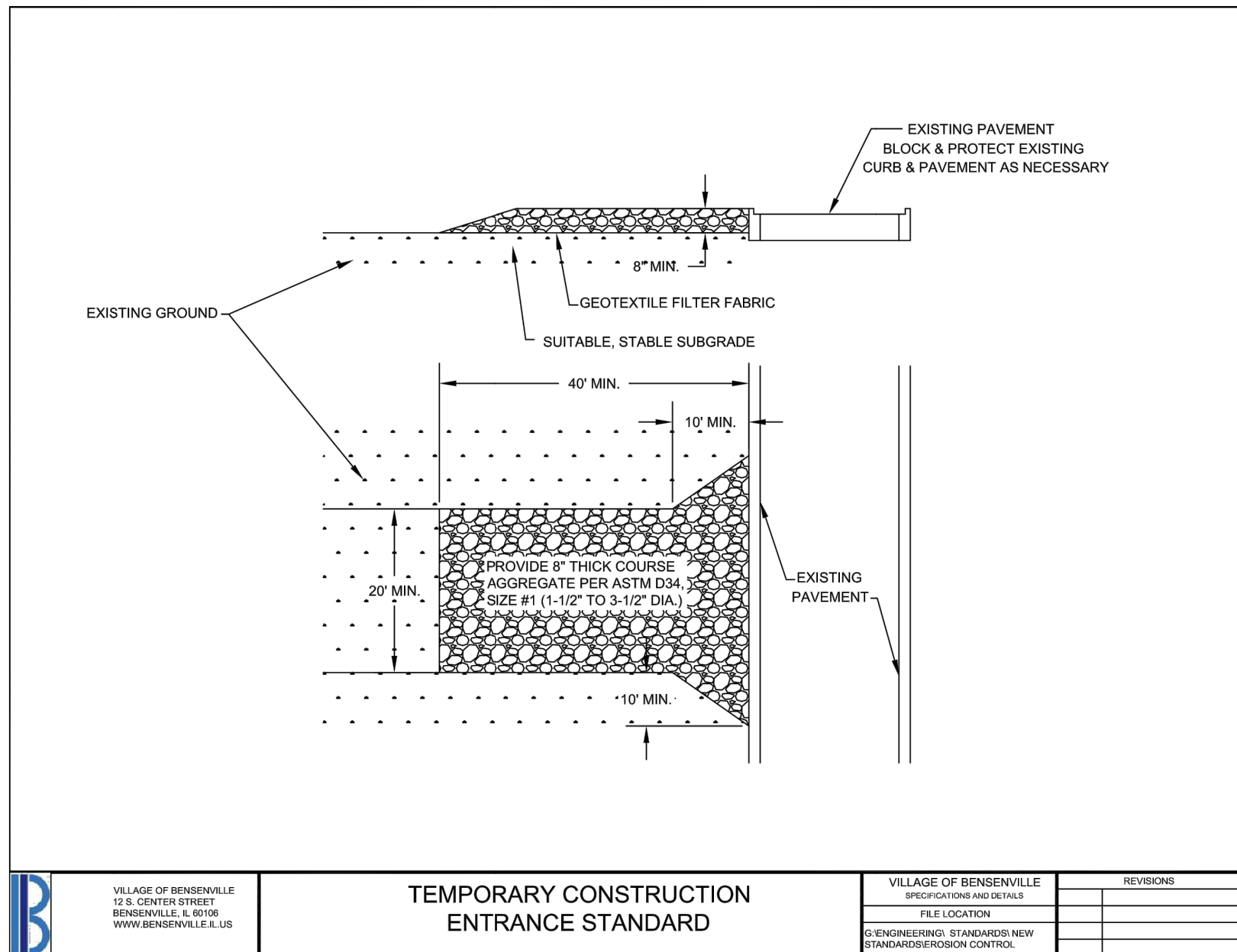
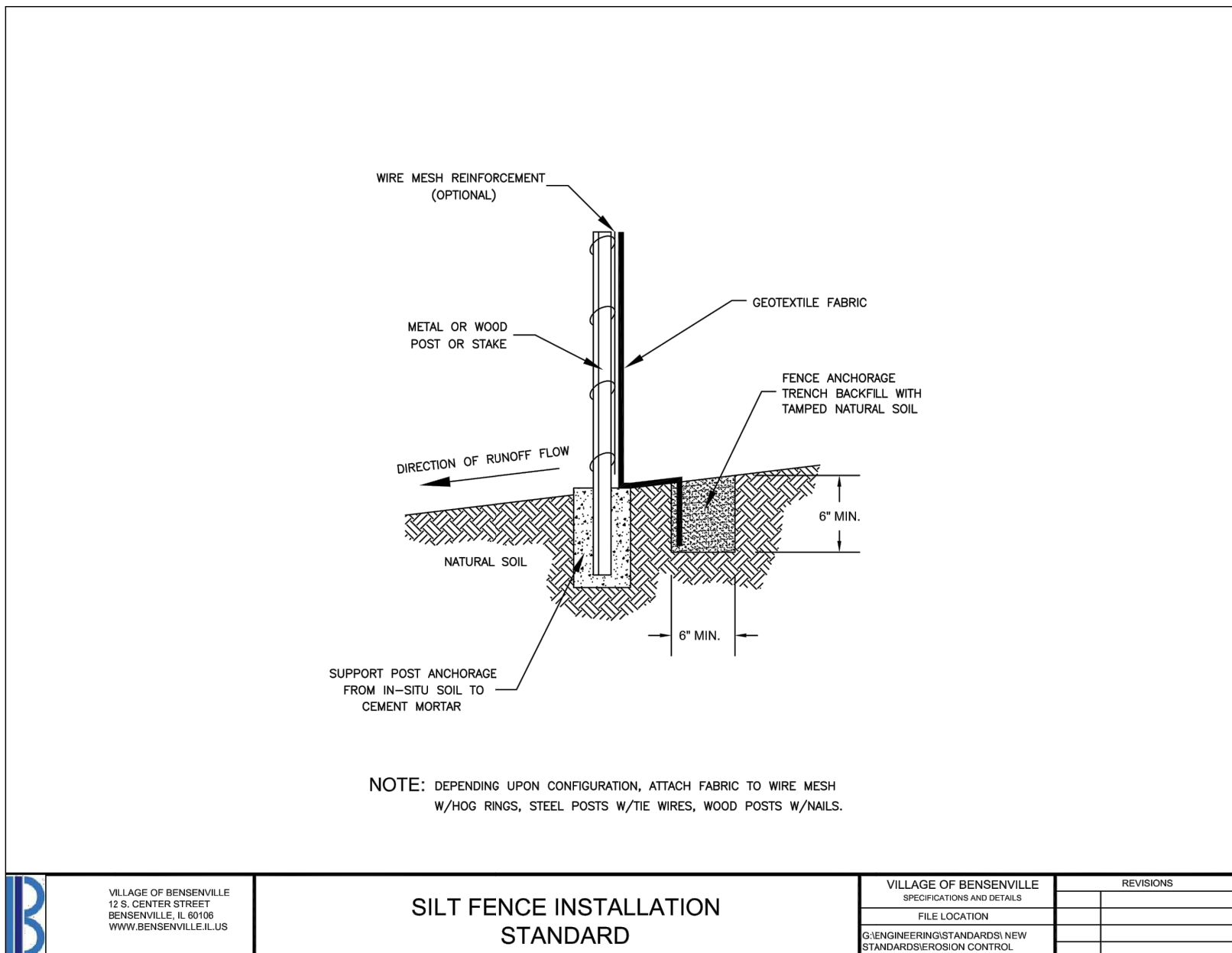
BROWNGATE SUBDIVISION  
DETENTION BASIN

STORMWATER POLLUTION  
PREVENTION PLAN

DATE: JANUARY	2025
PROJECT NO:	BE2401
FILE:	BE2401-COVER
SHEET	4 OF 9



Plotter: April 10, 2025 @ 2:08 PM By: Pamela Whitfield - Tab: 05 SWPPP Details 22,534



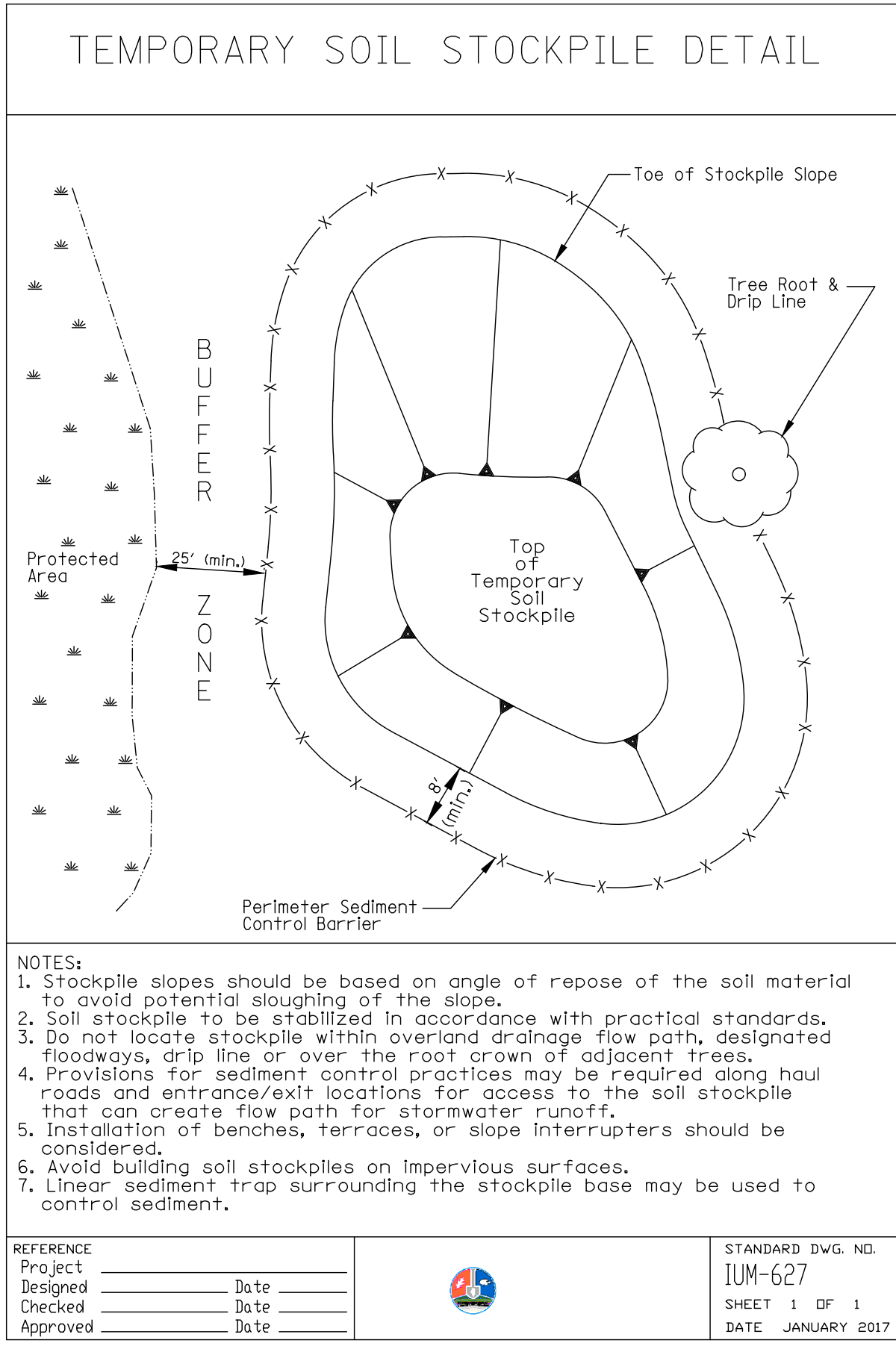
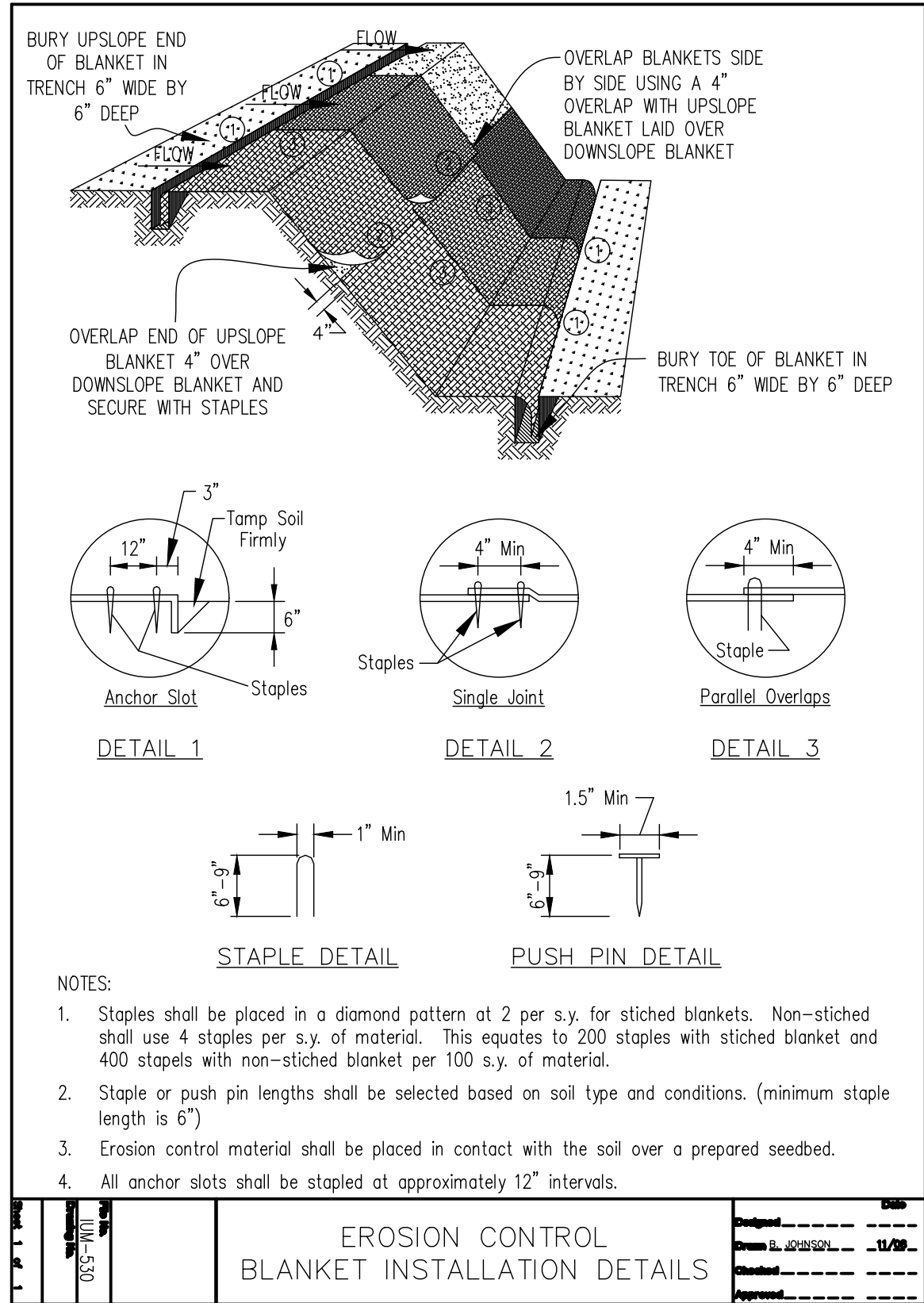
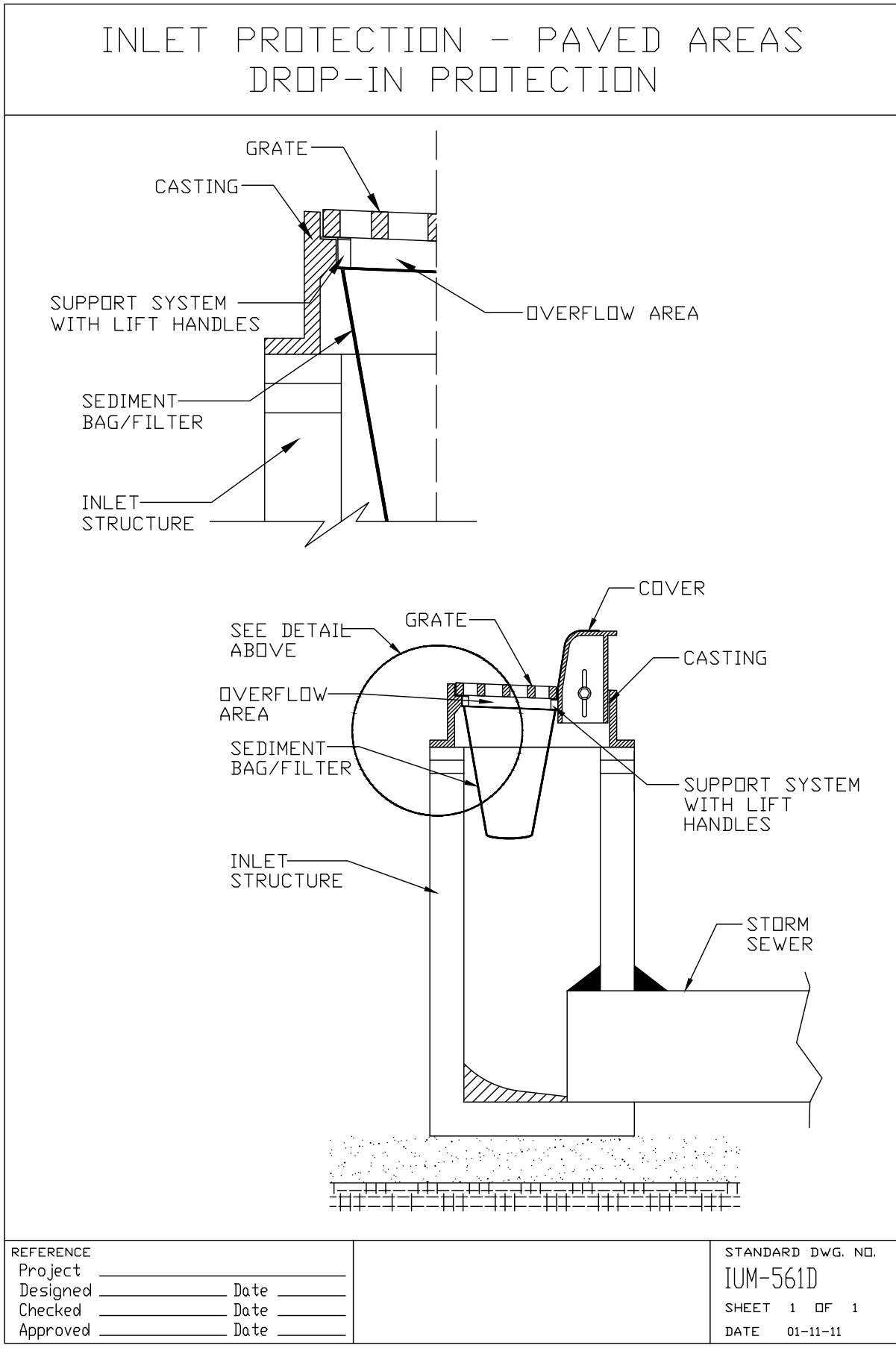
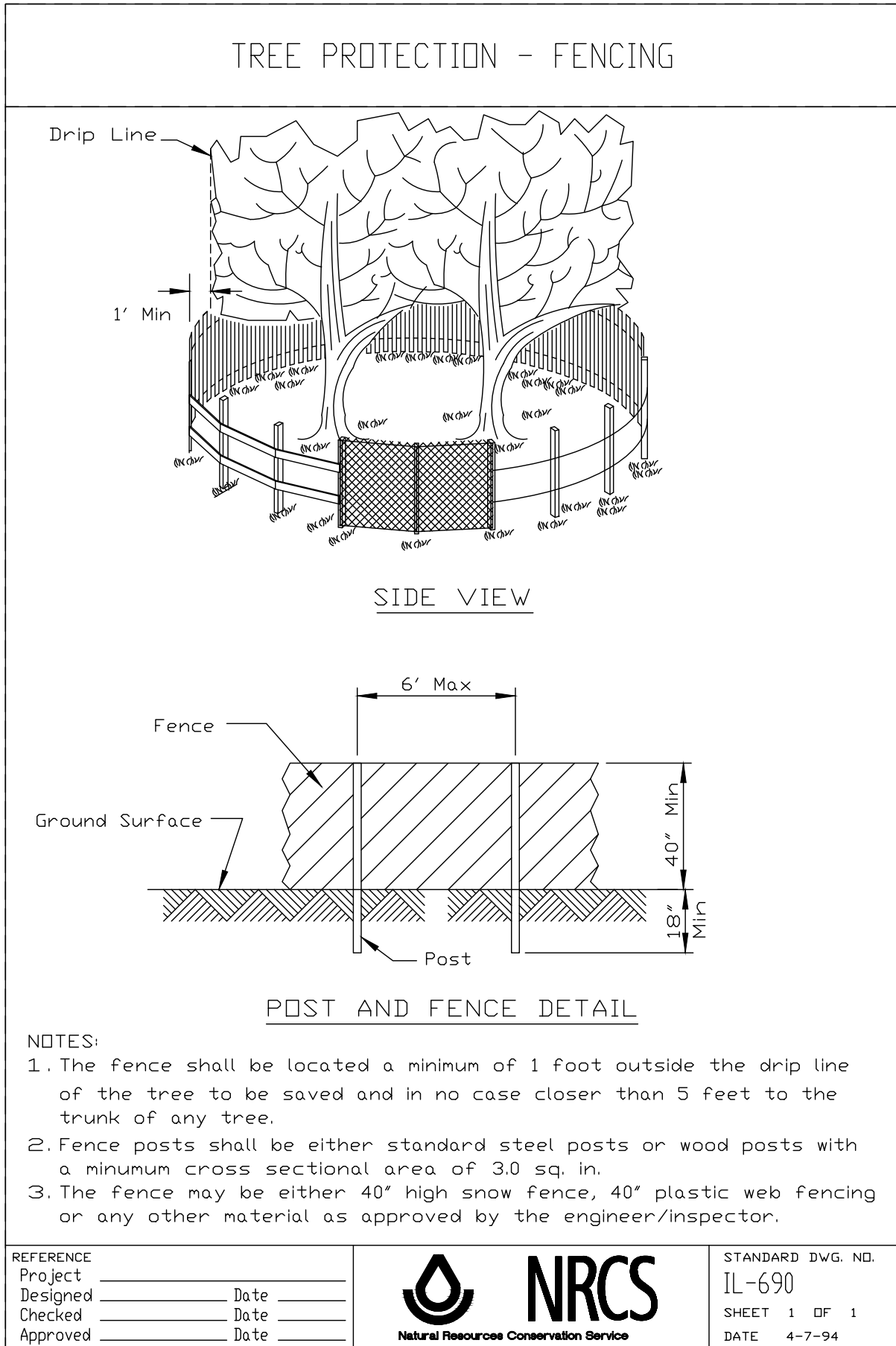
R.O.W. & REMAINING GRASSED AREA:		IDOT CLASS 1 SEEDING MIXTURE
PERMANENT SEEDING MIXTURE	—	100 LBS./AC. KENTUCKY BLUEGRASS
		60 LBS./AC. PERENNIAL RYEGRASS
		40 LBS./AC. CREEPING RED FESCUE
TEMPORARY SEEDING MIXTURE	—	50 LBS./AC. PERENNIAL RYE GRASS
		64 LBS./AC. OATS, SPRING
GRASSED WATERWAY AREA:		CLASS 5 SEEDING MIXTURE
PERMANENT SEEDING MIXTURE	—	150 LBS./AC. KENTUCKY BLUEGRASS
		150 LBS./AC. SMOOTH BROME GRASS
TEMPORARY SEEDING MIXTURE	—	50 LBS./AC. PERENNIAL RYEGRASS
		64 LBS./AC. OATS, SPRING

SEEDING SCHEDULE	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
PERMANENT SEEDING MIXTURE												
NONIRRIGATED												
IRRIGATED												
DORMANT (DOUBLE RATE)												
TEMPORARY SEEDING MIXTURE												
RYE OR WHEAT												
OATS												

FERTILIZER MIXTURE FOR PROPOSED SEEDING AREAS	
NITROGEN (N)	90 LBS./AC.
PHOSPHORUS (P)	90 LBS./AC/ OR 120 LBS./AC. P <sub>2</sub> O <sub>5</sub>
POTASSIUM (K)	90 LBS./AC/ OR 120 LBS./AC. K <sub>2</sub> O

EROSION CONTROL BLANKET SHALL BE PROVIDED AT ALL AREAS LOCATED WITHIN THE RIGHT OF WAY.

SEEDING INFORMATION AND SCHEDULE



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**VILLAGE OF BENSENVILLE**  
DUPAGE COUNTY, ILLINOIS

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Adjust stated  
scales to print size.

NO.	DATE	REVISIONS

**BROWNGATE SUBDIVISION**  
DETENTION BASIN

**STORMWATER POLLUTION**  
PREVENTION PLAN DETAILS

DATE: JANUARY	2025
PROJECT NO:	BE2401
FILE:	BE2401-COVER
SHEET	5 OF 9





Plotted: April 10, 2025 @ 2:09 PM By: Pamela Whitfield - Tab: 07 Grading 22x34

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**VILLAGE OF BENSENVILLE**  
**DUPAGE COUNTY, ILLINOIS**

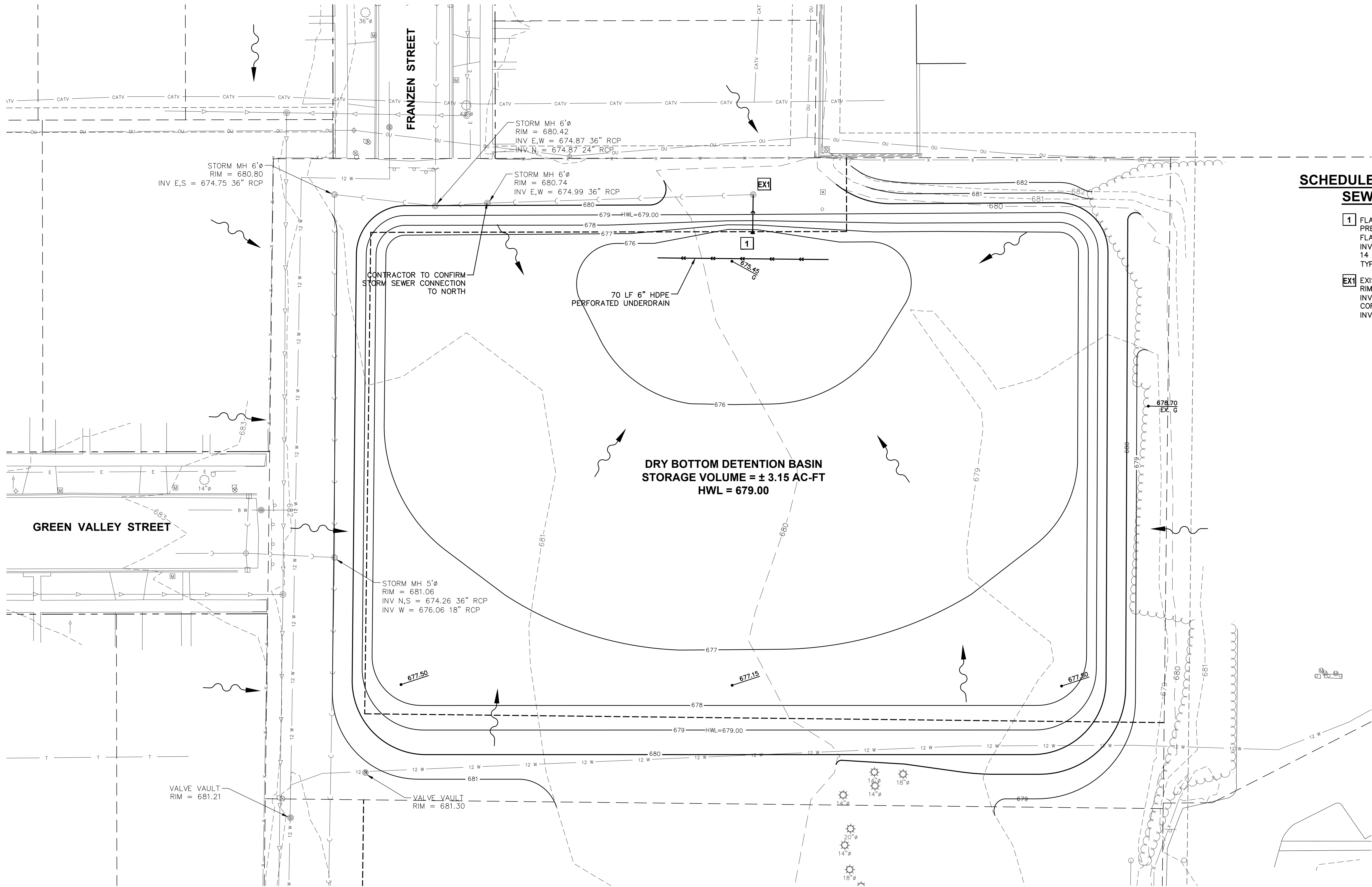
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NO.	DATE	REVISIONS

**BROWNGATE SUBDIVISION**  
**DETENTION BASIN**

**GRADING AND  
DRAINAGE PLAN**

DATE: JANUARY	2025
PROJECT NO:	BE2401
FILE:	BE2401-GRADE
SHEET	7 OF 9



**SCHEDULE OF PROPOSED STORM  
SEWER STRUCTURES**

- 1** FLARED END SECTION NO. 1  
PRECAST REINFORCED CONCRETE  
FLARED END SECTION, W/ GRATE  
INV = 675.30, 12" RCP  
14 LF STORM SEWER, CLASS B,  
TYPE 2, 12" @ 1.00%
- EX1** EXISTING STORM MANHOLE 1  
RIM = 680.79  
INV W = 675.14, 36" RCP  
CORE INTO EXIST. STRUCTURE  
INV S = 675.14, 12" RCP

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**VILLAGE OF BENSENVILLE**  
DUPAGE COUNTY, ILLINOIS

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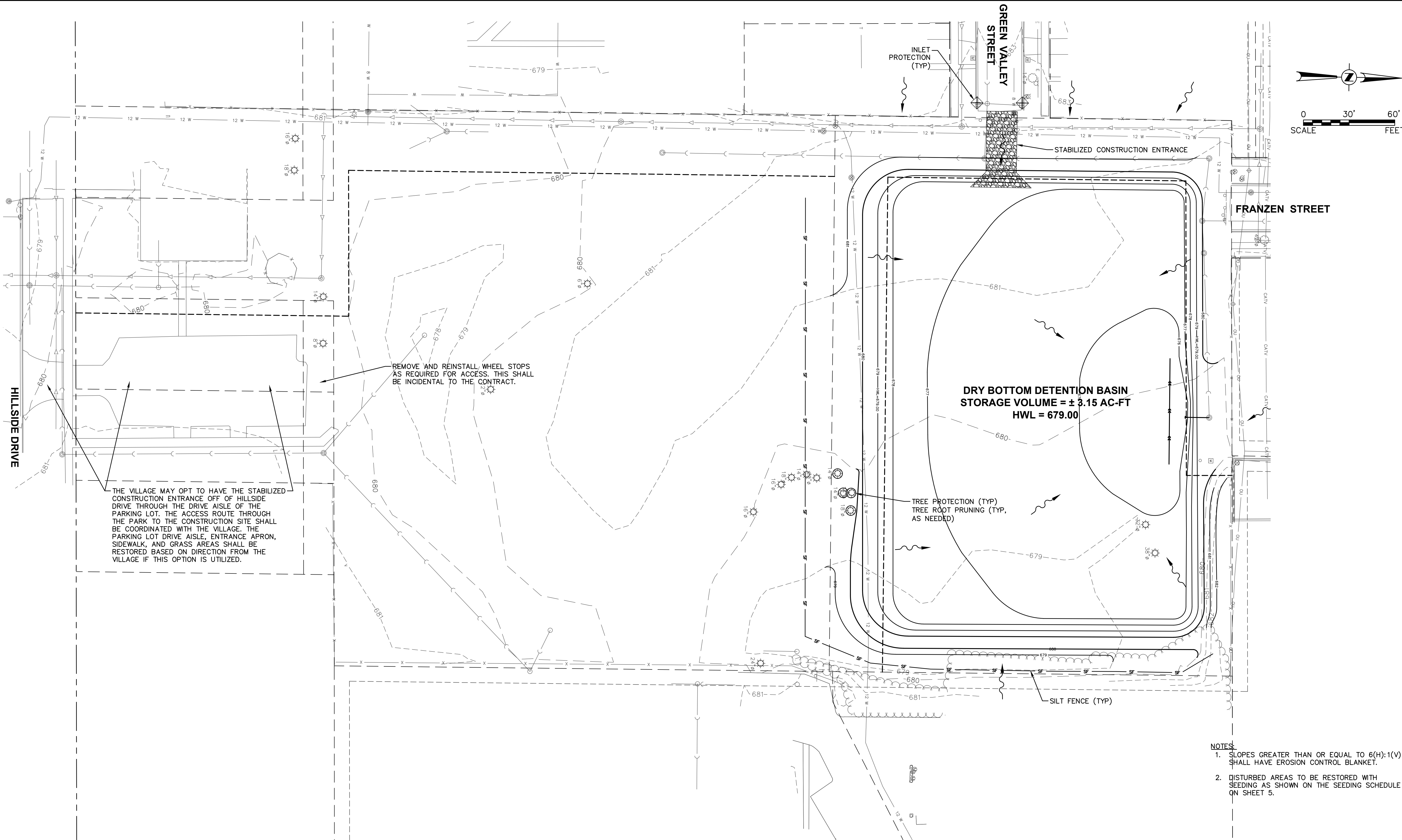
NO.	DATE	REVISIONS

**BROWNGATE SUBDIVISION**  
**DETENTION BASIN**

**SOIL EROSION AND**  
**SEDIMENT CONTROL PLAN**

DATE: JANUARY 2025  
PROJECT NO: BE2401  
FILE: BE2401-GRADE  
SHEET 8 OF 9

- NOTES:
- SLOPES GREATER THAN OR EQUAL TO 6(H):1(V) SHALL HAVE EROSION CONTROL BLANKET.
  - DISTURBED AREAS TO BE RESTORED WITH SEEDING AS SHOWN ON THE SEEDING SCHEDULE ON SHEET 5.





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