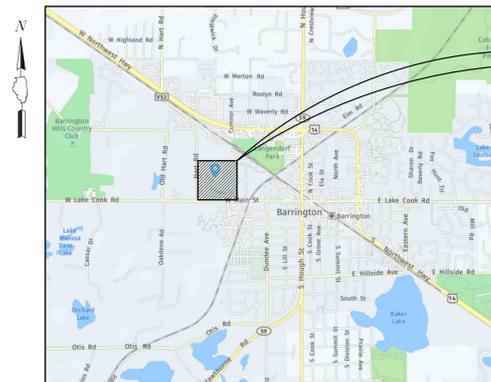


BARRINGTON SCHOOL DISTRICT 220 BHS FINE ARTS SITE IMPROVEMENTS

616 W. MAIN ST.
BARRINGTON, IL 60010

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- C10.0 DETAILS
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PROJECT LOCATION
BARRINGTON HIGH SCHOOL
616 WEST MAIN STREET
BARRINGTON, ILLINOIS

LOCATION MAP
(Not to Scale)

STANDARD SYMBOLS

FEATURE	EXISTING	PROPOSED
BUFFALO BOX		
BUSH/SHRUB		
CATCH BASIN		
CLEANOUT		
COMBINE SEWER LINE		
CONTOUR		
CULVERT		
DITCH/SWALE		
ELECTRIC LINE		
ELECTRIC MANHOLE		
FENCE		
FIRE HYDRANT		
FLARED END SECTION		
GAS LINE		
GAS MANHOLE		
GAS VALVE		
INLET		
LIGHT POLE		
OVERHEAD WIRES		
POWER POLE		
R.O.W LINE		
R.O.W MARKER		
SANITARY FORCEMAIN LINE		
SANITARY SEWER LINE		
SANITARY SEWER MANHOLE		
SION		
SPOT ELEVATION		
STORM SEWER LINE		
STORM SEWER MANHOLE		
TELEPHONE LINE		
TELEPHONE MANHOLE		
TELEPHONE BOX/PEDESTAL		
TREE-CONIFEROUS (SIZE/TAG#)		
TREE-DECIDUOUS (SIZE/TAG#)		
VALVE BOX		
VALVE VAULT		
WATER VALVE		
WATERMAIN LINE		

EXISTING UTILITIES: WHEN THE PLANS OR SPECIAL PROVISIONS INCLUDE INFORMATION PERTAINING TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES, SUCH INFORMATION REPRESENTS ONLY THE OPINION OF THE ENGINEER AS TO THE LOCATION OF SUCH UTILITIES AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER. THE ENGINEER AND OWNER ASSUME NO RESPONSIBILITY WHATSOEVER IN RESPECT TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS RELATIVE TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES OR THE MANNER IN WHICH THEY ARE TO BE REMOVED OR ADJUSTED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES. HE SHALL ALSO OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES, DETAILED INFORMATION RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULES OF THE UTILITY COMPANIES FOR REMOVING OR ADJUSTING THEM.

CONTRACTOR IS RESPONSIBLE FOR CONTACTING J.U.L.I.E. AT 1-800-892-0123 AND MUST ACQUIRE A DIG NUMBER A MINIMUM OF 72 HOURS PRIOR TO ANY WORK BEING DONE.

NOTE: CONSTRUCTION MEANS, METHODS AND JOB SITE SAFETY IS THE SOLE AND EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR



BENCHMARK.

VILLAGE OF BARRINGTON BM 150
NORTHEAST FLANGE BOLT OF FIRE HYDRANT 10 FEET SOUTH OF CHLORINE TANKS AT BARRINGTON PUBLIC WORKS.
ELEVATION: 808.77 DATUM: NAVD88

VILLAGE OF BARRINGTON BM 151
MONUMENT SET ON TOP OF WINGWALL AT NORTH END OF HEADWALL OF BRIDGE CROSSING FLINT CREEK ON EAST SIDE OF RAYMOND AVENUE.
ELEVATION: 806.20 DATUM: NAVD88

CONTRACTOR IS RESPONSIBLE TO VERIFY CONTROL AND BENCHMARKS PRIOR TO PROCEEDING WITH CONSTRUCTION. REPORT ALL DISCREPANCIES TO GHA.

TOPOGRAPHIC SURVEY BY:
GEWALT HAMILTON ASSOCIATES, INC.
625 FOREST EDGE DRIVE
VERNON HILLS, ILLINOIS 60061
TELEPHONE: 847-478-9700

PLANS PREPARED FOR:
BARRINGTON SCHOOL DISTRICT 220
616 WEST MAIN STREET
BARRINGTON, ILLINOIS 60010
TELEPHONE: 847-381-6300

PROFESSIONAL DESIGN FIRM LICENSE:
GEWALT HAMILTON ASSOCIATES, INC.
DESIGN FIRM - LAND SURVEYOR/PROF ENG
LICENSE NUMBER: 184.000922-0010
EXPIRES: 6/30/2027

COORDINATING/PERMITTING AGENCIES:

VILLAGE OF BARRINGTON	1-847-304-3460
LAKE COUNTY STORMWATER MANAGEMENT COMMISSION	1-847-377-7700
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)	1-217-782-0610
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF PUBLIC WATER SUPPLIES	1-217-782-3397
ILLINOIS DEPARTMENT OF NATURAL RESOURCES OFFICE OF WATER RESOURCES	1-847-608-3116

CONTROL POINTS:

Point #	Northing	Easting	Elevation	Description	Point #	Northing	Easting	Elevation	Description
100	2001259.51	1034391.01	808.97	CP100	513	1999306.01	1034501.98	805.30	CP513-XSW
500	1999118.22	1034052.52	801.35	CP500-XTC	514	1999700.96	1034330.69	805.75	CP514-XSW
501	1999972.68	1034240.42	803.25	CP501-XSW	515	1999818.84	1034056.34	800.58	CP515-XFL
502	1999941.84	1035045.14	811.86	CP502-MN	516	1999585.92	1034393.86	806.63	CP516-XSW
503	1998918.95	1035069.14	817.39	CP503-IR-CAP	517	1999339.63	1034952.02	816.71	CP517-XSW
507	1999067.70	1033732.03	799.85	CP507-XTC	518	1999770.22	1034710.12	806.99	CP518-XTC
509	1999070.07	1034811.42	808.59	CP509-XTC	519	1999776.01	1034889.66	815.56	CP519-MN
510	1999117.81	1035073.87	814.52	CP510-MN	520	1999872.88	1034889.45	814.60	CP520-MN
511	1999564.94	1035060.34	820.48	CP511-MN	521	1999696.44	1034888.86	816.16	CP521-MN
512	1999349.05	1034038.87	803.77	CP512-XTC	24763	2000534.26	1034523.23	803.88	CP5-FXSW



SIGNED: P.E.
DONALD E. MATTHEWS
DATE: SEPTEMBER 29, 2025
ILLINOIS LICENSE NO.: 062-048084
EXPIRATION DATE: NOVEMBER 30, 2025



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BARRINGTON SCHOOL DISTRICT 220
BHS FINE ARTS SITE IMPROVEMENTS
616 W MAIN ST., BARRINGTON, IL 60010

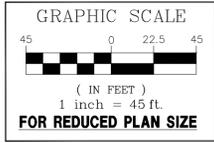
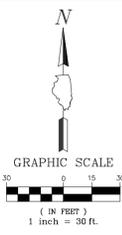
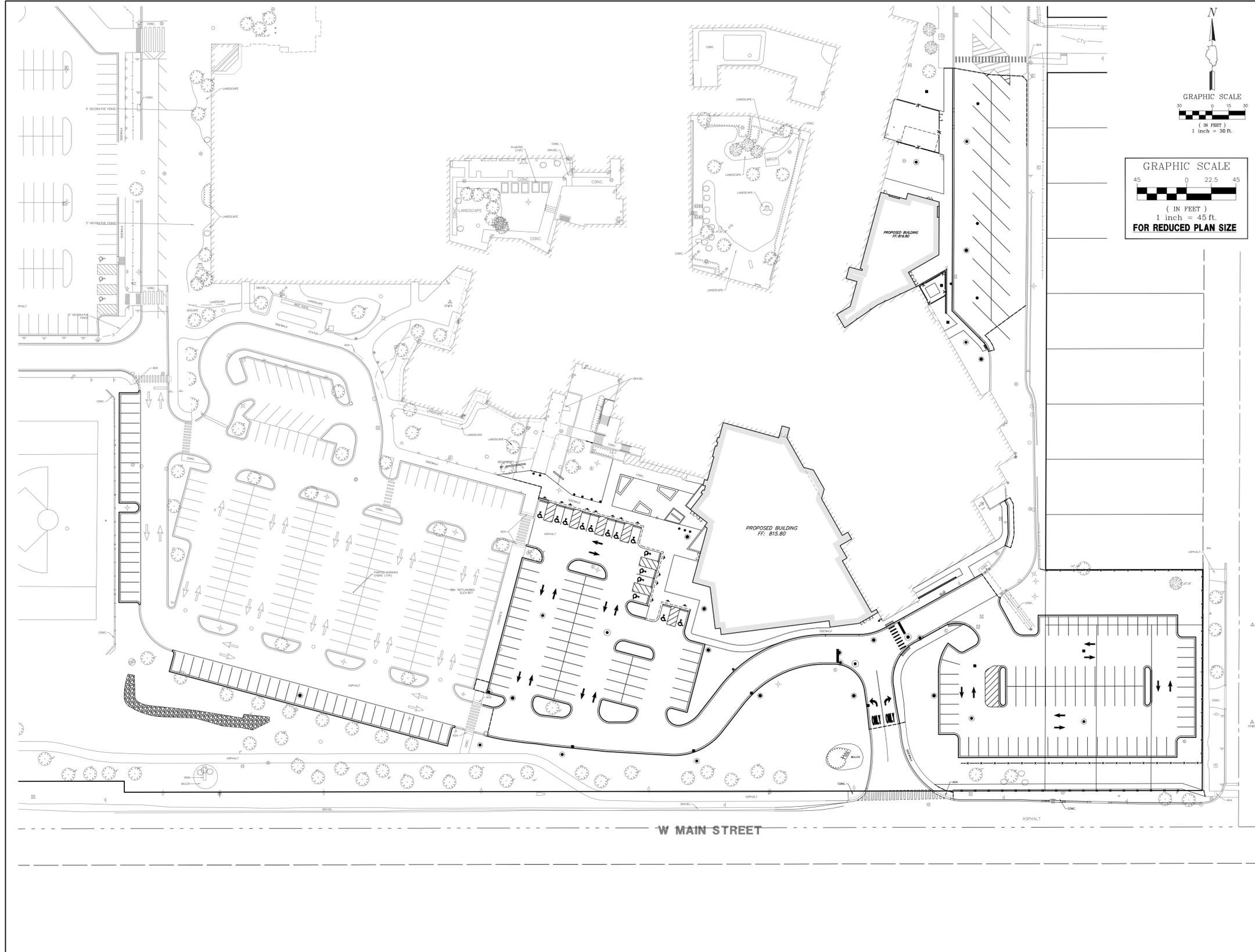
DATE	DESCRIPTION
09.16.2025	25% CD
08.15.2025	50% CD
08.06.2025	75% CD
09.23.2025	FOR SUB
	FOR SUBMISSION

PROJECT # 2024-195
DATE: SEPTEMBER 29, 2025
SHEET TITLE

SHEET TITLE

SHEET C1.0

ISSUED FOR PLANNING COMMISSION REVIEW 09-29-2025



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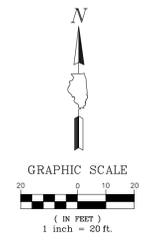
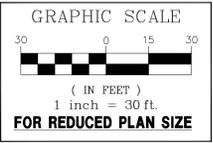
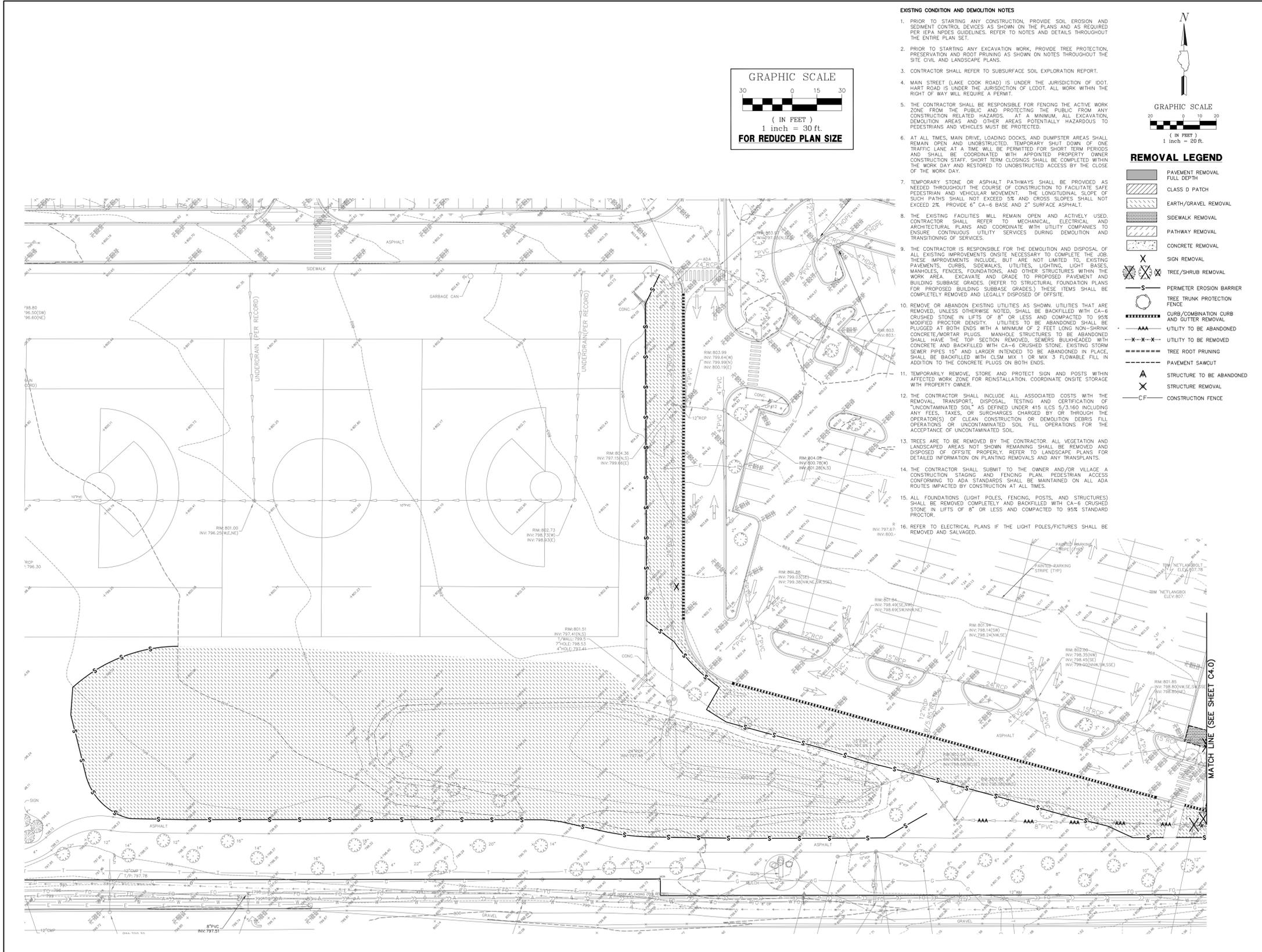
**BARRINGTON SCHOOL DISTRICT 220
 BHS FINE ARTS SITE IMPROVEMENTS
 616 W MAIN ST., BARRINGTON, IL 60010**

DATE	DESCRIPTION
07.18.2025	25% CD
08.15.2025	50% CD
09.23.2025	75% CD
09.23.2025	PLD SUBMISSION

PROJECT # 2024-135
 DATE SEPTEMBER 23, 2025
 SHEET TITLE

OVERALL PROJECT PLAN

SHEET: C2.0



- REMOVAL LEGEND**
- PAVEMENT REMOVAL FULL DEPTH
 - CLASS D PATCH
 - EARTH/GRAVEL REMOVAL
 - SIDEWALK REMOVAL
 - PATHWAY REMOVAL
 - CONCRETE REMOVAL
 - SIGN REMOVAL
 - TREE/SHRUB REMOVAL
 - PERIMETER EROSION BARRIER
 - TREE TRUNK PROTECTION FENCE
 - CURB/COMBINATION CURB AND GUTTER REMOVAL
 - UTILITY TO BE ABANDONED
 - UTILITY TO BE REMOVED
 - TREE ROOT PRUNING
 - PAVEMENT SAWCUT
 - STRUCTURE TO BE ABANDONED
 - STRUCTURE REMOVAL
 - CONSTRUCTION FENCE

- EXISTING CONDITION AND DEMOLITION NOTES**
- PRIOR TO STARTING ANY CONSTRUCTION, PROVIDE SOIL EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE PLANS AND AS REQUIRED PER EPA NPDES GUIDELINES. REFER TO NOTES AND DETAILS THROUGHOUT THE ENTIRE PLAN SET.
 - PRIOR TO STARTING ANY EXCAVATION WORK, PROVIDE TREE PROTECTION, PRESERVATION AND ROOT PRUNING AS SHOWN ON NOTES THROUGHOUT THE SITE CIVIL AND LANDSCAPE PLANS.
 - CONTRACTOR SHALL REFER TO SUBSURFACE SOIL EXPLORATION REPORT.
 - MAIN STREET (LAKE COOK ROAD) IS UNDER THE JURISDICTION OF IDOT. HART ROAD IS UNDER THE JURISDICTION OF LCOOT. ALL WORK WITHIN THE RIGHT OF WAY WILL REQUIRE A PERMIT.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR FENCING THE ACTIVE WORK ZONE FROM THE PUBLIC AND PROTECTING THE PUBLIC FROM ANY CONSTRUCTION RELATED HAZARDS. AT A MINIMUM, ALL EXCAVATION, DEMOLITION AREAS AND OTHER AREAS POTENTIALLY HAZARDOUS TO PEDESTRIANS AND VEHICLES MUST BE PROTECTED.
 - AT ALL TIMES, MAIN DRIVE, LOADING DOCKS, AND DUMPSTER AREAS SHALL REMAIN OPEN AND UNRESTRICTED. TEMPORARY SHUT DOWN OF ONE TRAFFIC LANE AT A TIME WILL BE PERMITTED FOR SHORT TERM PERIODS AND SHALL BE COORDINATED WITH APPOINTED PROPERTY OWNER CONSTRUCTION STAFF. SHORT TERM CLOSURES SHALL BE COMPLETED WITHIN THE WORK DAY AND RESTORED TO UNRESTRICTED ACCESS BY THE CLOSE OF THE WORK DAY.
 - TEMPORARY STONE OR ASPHALT PATHWAYS SHALL BE PROVIDED AS NEEDED THROUGHOUT THE COURSE OF CONSTRUCTION TO FACILITATE SAFE PEDESTRIAN AND VEHICULAR MOVEMENT. THE LONGITUDINAL SLOPE OF SUCH PATHS SHALL NOT EXCEED 5% AND CROSS SLOPES SHALL NOT EXCEED 2%. PROVIDE 6" CA-6 BASE AND 2" SURFACE ASPHALT.
 - THE EXISTING FACILITIES WILL REMAIN OPEN AND ACTIVELY USED. CONTRACTOR SHALL REFER TO MECHANICAL, ELECTRICAL AND ARCHITECTURAL PLANS AND COORDINATE WITH UTILITY COMPANIES TO ENSURE CONTINUOUS UTILITY SERVICES DURING DEMOLITION AND TRANSITIONING OF SERVICES.
 - THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION AND DISPOSAL OF ALL EXISTING IMPROVEMENTS ON-SITE NECESSARY TO COMPLETE THE JOB. THESE IMPROVEMENTS INCLUDE, BUT ARE NOT LIMITED TO, EXISTING PAVEMENTS, CURBS, SIDEWALKS, UTILITIES, LIGHTING, LIGHT BASES, MANHOLES, FENCES, FOUNDATIONS, AND OTHER STRUCTURES WITHIN THE WORK AREA. EXCAVATE AND GRADE TO PROPOSED PAVEMENT AND BUILDING SUBBASE GRADES. REFER TO STRUCTURAL FOUNDATION PLANS FOR PROPOSED BUILDING SUBBASE GRADES. THESE ITEMS SHALL BE COMPLETELY REMOVED AND LEGALLY DISPOSED OF OFFSITE.
 - REMOVE OR ABANDON EXISTING UTILITIES AS SHOWN. UTILITIES THAT ARE REMOVED, UNLESS OTHERWISE NOTED, SHALL BE BACKFILLED WITH CA-6 CRUSHED STONE IN LIFTS OF 8" OR LESS AND COMPACTED TO 95% MODIFIED PROCTOR DENSITY. UTILITIES TO BE ABANDONED SHALL BE PLUGGED AT BOTH ENDS WITH A MINIMUM OF 2 FEET LONG NON-SHRINK CONCRETE/MORTAR PLUGS. MANHOLE STRUCTURES TO BE ABANDONED SHALL HAVE THE TOP SECTION REMOVED, SEWERS BULKHEADS WITH CONCRETE AND BACKFILLED WITH CA-6 CRUSHED STONE. EXISTING STORM SEWER PIPES 15" AND LARGER INTENDED TO BE ABANDONED IN PLACE, SHALL BE BACKFILLED WITH CLSM MIX 1 OR MIX 3 FLOWABLE FILL IN ADDITION TO THE CONCRETE PLUGS ON BOTH ENDS.
 - TEMPORARILY REMOVE, STORE AND PROTECT SIGN AND POSTS WITHIN AFFECTED WORK ZONE FOR REINSTALLATION. COORDINATE ON-SITE STORAGE WITH PROPERTY OWNER.
 - THE CONTRACTOR SHALL INCLUDE ALL ASSOCIATED COSTS WITH THE REMOVAL, TRANSPORT, DISPOSAL, TESTING AND CERTIFICATION OF "UNCONTAMINATED SOIL" AS DEFINED UNDER 415 ILCS 5/3-160 INCLUDING ANY FEES, TAXES, OR SURCHARGES CHARGED BY OR THROUGH THE OPERATOR(S) OF CLEAN CONSTRUCTION OR DEMOLITION DEBRIS FILL OPERATIONS OR UNCONTAMINATED SOIL FILL OPERATIONS FOR THE ACCEPTANCE OF UNCONTAMINATED SOIL.
 - TREES ARE TO BE REMOVED BY THE CONTRACTOR. ALL VEGETATION AND LANDSCAPED AREAS NOT SHOWN REMAINING SHALL BE REMOVED AND DISPOSED OF OFFSITE PROPERLY. REFER TO LANDSCAPE PLANS FOR DETAILED INFORMATION ON PLANTING REMOVALS AND ANY TRANSPLANTS.
 - THE CONTRACTOR SHALL SUBMIT TO THE OWNER AND/OR VILLAGE A CONSTRUCTION STAGING AND FENCING PLAN. PEDESTRIAN ACCESS CONFORMING TO ADA STANDARDS SHALL BE MAINTAINED ON ALL ADA ROUTES IMPACTED BY CONSTRUCTION AT ALL TIMES.
 - ALL FOUNDATIONS (LIGHT POLES, FENCING, POSTS, AND STRUCTURES) SHALL BE REMOVED COMPLETELY AND BACKFILLED WITH CA-6 CRUSHED STONE IN LIFTS OF 8" OR LESS AND COMPACTED TO 95% STANDARD PROCTOR.
 - REFER TO ELECTRICAL PLANS IF THE LIGHT POLES/PICTURES SHALL BE REMOVED AND SALVAGED.

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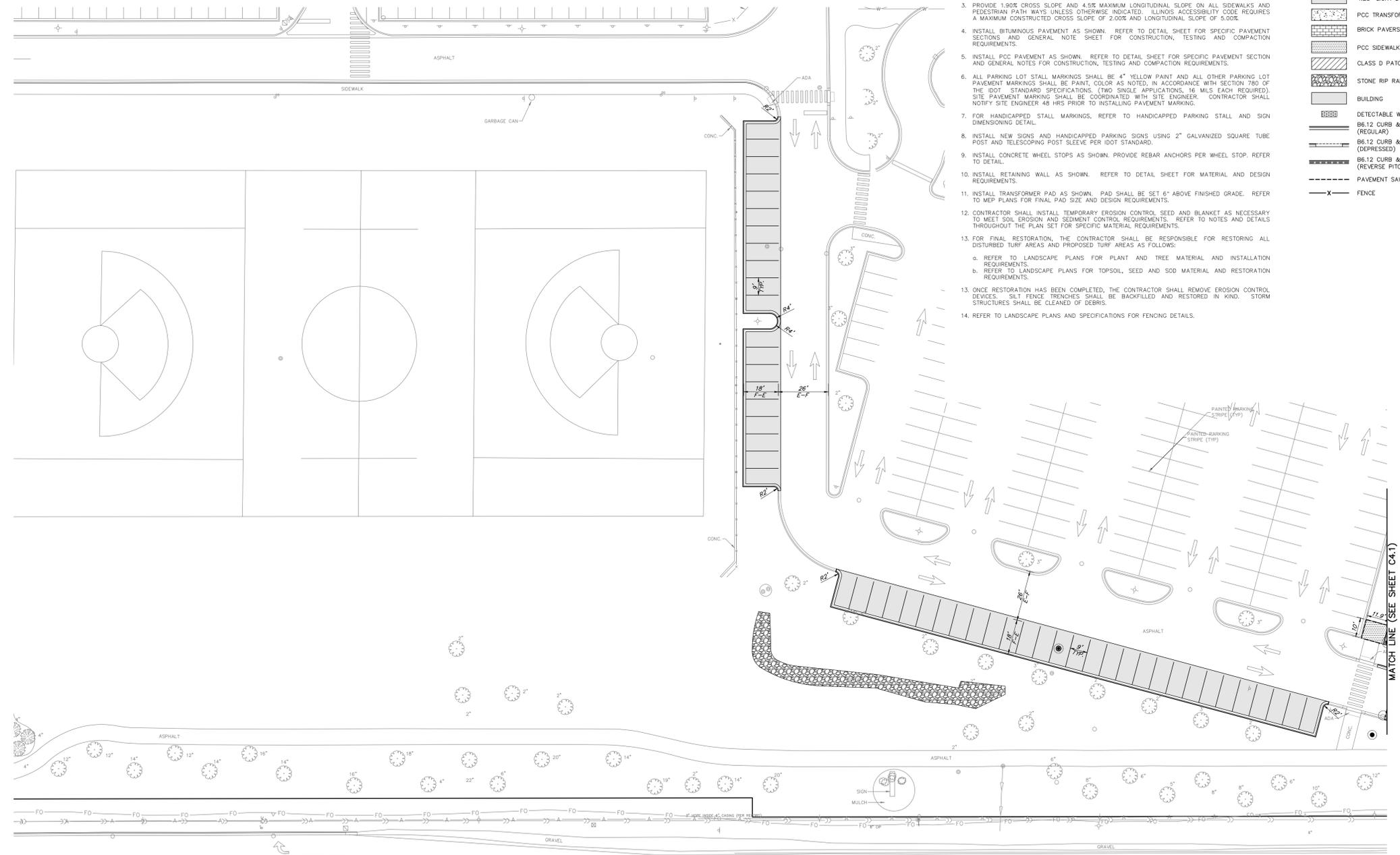
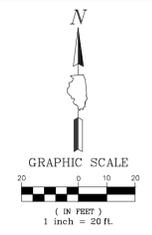
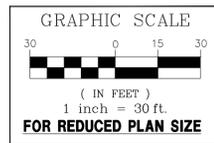
BARRINGTON SCHOOL DISTRICT 220
BHS FINE ARTS SITE IMPROVEMENTS
616 W MAIN ST., BARRINGTON, IL 60010

DATE	DESCRIPTION
07.18.2025	25% CD
08.15.2025	50% CD
09.08.2025	75% CD
09.23.2025	PUB. SUBMISSION

PROJECT # 2024-135
 DATE SEPTEMBER 26, 2025

EXISTING CONDITIONS / DEMOLITION PLAN (1)

SHEET **C3.0**



GEOMETRIC AND PAVING PLAN

1. ALL PAVEMENT DIMENSIONS ARE TO EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. E=EDGE OF PAVEMENT, B=BACK OF CURB, F=FACE OF CURB. RADI DIMENSIONS ARE TO BACK OF CURB.
2. INSTALL ALL CURB AND SIDEWALK AS SHOWN. NOTE SOME CURBS REQUIRE REVERSE PITCH GUTTER. DOWEL NEW SIDEWALK AND CURB TO EXISTING AND PROPOSED CURBS PER GENERAL NOTES. WHEN CONSTRUCTING A CARRIAGE WALK, THE PROPOSED SIDEWALK CONTRACTION AND EXPANSION JOINTS SHALL ALIGN WITH EXISTING CURB JOINTS.
3. PROVIDE 1.90% CROSS SLOPE AND 4.5% MAXIMUM LONGITUDINAL SLOPE ON ALL SIDEWALKS AND PEDESTRIAN PATH WAYS UNLESS OTHERWISE INDICATED. ILLINOIS ACCESSIBILITY CODE REQUIRES A MAXIMUM CONSTRUCTED CROSS SLOPE OF 2.00% AND LONGITUDINAL SLOPE OF 5.00%.
4. INSTALL BITUMINOUS PAVEMENT AS SHOWN. REFER TO DETAIL SHEET FOR SPECIFIC PAVEMENT SECTIONS AND GENERAL NOTE SHEET FOR CONSTRUCTION, TESTING AND COMPACTION REQUIREMENTS.
5. INSTALL PCC PAVEMENT AS SHOWN. REFER TO DETAIL SHEET FOR SPECIFIC PAVEMENT SECTION AND GENERAL NOTES FOR CONSTRUCTION, TESTING AND COMPACTION REQUIREMENTS.
6. ALL PARKING LOT STALL MARKINGS SHALL BE 4" YELLOW PAINT AND ALL OTHER PARKING LOT PAVEMENT MARKINGS SHALL BE PAINT, COLOR AS NOTED, IN ACCORDANCE WITH SECTION 780 OF THE IDOT STANDARD SPECIFICATIONS. (TWO SINGLE APPLICATIONS, 16 MILS EACH REQUIRED). SITE PAVEMENT MARKING SHALL BE COORDINATED WITH SITE ENGINEER. CONTRACTOR SHALL NOTIFY SITE ENGINEER 48 HRS PRIOR TO INSTALLING PAVEMENT MARKING.
7. FOR HANDICAPPED STALL MARKINGS, REFER TO HANDICAPPED PARKING STALL AND SIGN DIMENSIONING DETAIL.
8. INSTALL NEW SIGNS AND HANDICAPPED PARKING SIGNS USING 2" GALVANIZED SQUARE TUBE POST AND TELESCOPING POST SLEEVE PER IDOT STANDARD.
9. INSTALL CONCRETE WHEEL STOPS AS SHOWN. PROVIDE REBAR ANCHORS PER WHEEL STOP. REFER TO DETAIL.
10. INSTALL RETAINING WALL AS SHOWN. REFER TO DETAIL SHEET FOR MATERIAL AND DESIGN REQUIREMENTS.
11. INSTALL TRANSFORMER PAD AS SHOWN. PAD SHALL BE SET 6" ABOVE FINISHED GRADE. REFER TO MEP PLANS FOR FINAL PAD SIZE AND DESIGN REQUIREMENTS.
12. CONTRACTOR SHALL INSTALL TEMPORARY EROSION CONTROL SEED AND BLANKET AS NECESSARY TO MEET SOIL EROSION AND SEDIMENT CONTROL REQUIREMENTS. REFER TO NOTES AND DETAILS THROUGHOUT THE PLAN SET FOR SPECIFIC MATERIAL REQUIREMENTS.
13. FOR FINAL RESTORATION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ALL DISTURBED TURF AREAS AND PROPOSED TURF AREAS AS FOLLOWS:
 - a. REFER TO LANDSCAPE PLANS FOR PLANT AND TREE MATERIAL AND INSTALLATION REQUIREMENTS.
 - b. REFER TO LANDSCAPE PLANS FOR TOPSOIL, SEED AND SOD MATERIAL AND RESTORATION REQUIREMENTS.
13. ONCE RESTORATION HAS BEEN COMPLETED, THE CONTRACTOR SHALL REMOVE EROSION CONTROL DEVICES. SILT FENCE TRENCHES SHALL BE BACKFILLED AND RESTORED IN KIND. STORM STRUCTURES SHALL BE CLEANED OF DEBRIS.
14. REFER TO LANDSCAPE PLANS AND SPECIFICATIONS FOR FENCING DETAILS.

PROPOSED LEGEND

- 8" HEAVY DUTY PAVEMENT
- 4.25" LIGHT DUTY PAVEMENT
- PCC TRANSFORMER PAD
- BRICK PAVERS
- PCC SIDEWALK
- CLASS D PATCH
- STONE RIP RAP, CLASS A1
- BUILDING
- DETECTABLE WARNINGS
- B6.12 CURB & GUTTER (REGULAR)
- B6.12 CURB & GUTTER (DEPRESSED)
- B6.12 CURB & GUTTER (REVERSE PITCH)
- PAVEMENT SAWCUT
- FENCE

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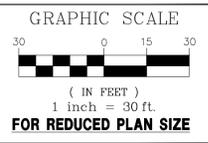
BARRINGTON SCHOOL DISTRICT 220
BHS FINE ARTS SITE IMPROVEMENTS
616 W MAIN ST., BARRINGTON, IL 60010

DATE	DESCRIPTION
07.18.2025	25% CD
08.15.2025	50% CD
09.08.2025	75% CD
09.23.2025	P.L.D. SUBMISSION

PROJECT # 2024-135
DATE SEPTEMBER 29, 2025
SHEET TITLE

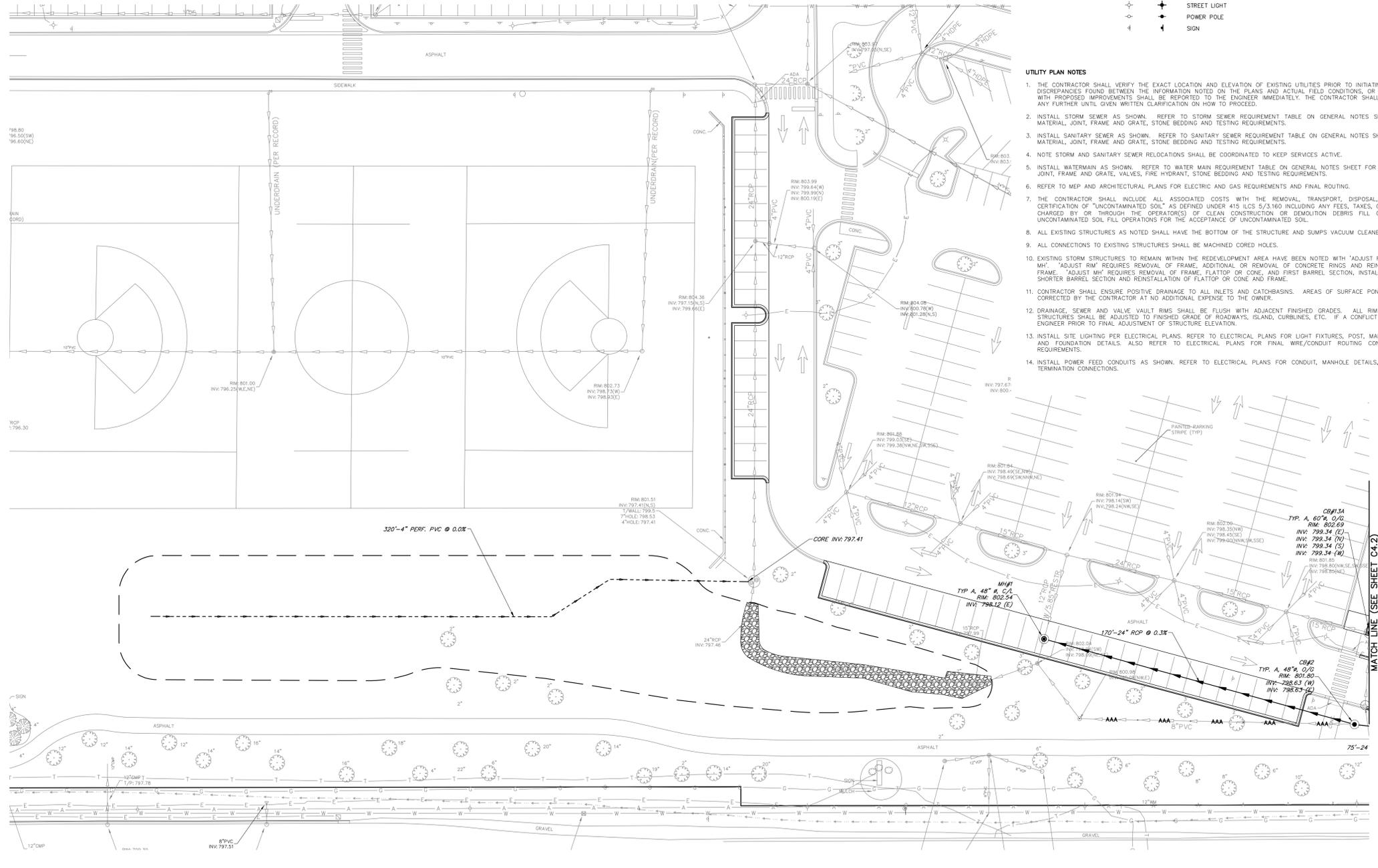
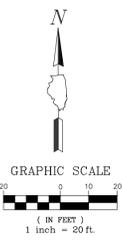
GEOMETRIC PLAN (1)

SHEET C3.1



UTILITY PLAN LEGEND

- EXISTING STORM SEWER
 - EXISTING SANITARY SEWER
 - W — EXISTING WATERMAIN
 - PROPOSED STORM SEWER
 - PROPOSED SANITARY SEWER
 - PROPOSED WATERMAIN
-
- | | | | |
|----------|----------|---|--------------------|
| EXISTING | PROPOSED | ● | STORM MANHOLE |
| ○ | ○ | ● | STORM CATCHBASIN |
| □ | □ | ● | STORM INLET |
| ▭ | ▭ | ● | FLARED END SECTION |
| ⊙ | ⊙ | ● | SANITARY MANHOLE |
| ⊗ | ⊗ | ● | VALVE VAULT |
| ⊕ | ⊕ | ● | VALVE BOX |
| ⊖ | ⊖ | ● | FIRE HYDRANT |
| ⊗ | ⊗ | ● | BUFFALO BOX |
| ⊕ | ⊕ | ● | STREET LIGHT |
| ⊖ | ⊖ | ● | POWER POLE |
| ⊗ | ⊗ | ● | SIGN |



UTILITY PLAN NOTES

1. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND ELEVATION OF EXISTING UTILITIES PRIOR TO INITIATING WORK. ANY DISCREPANCIES FOUND BETWEEN THE INFORMATION NOTED ON THE PLANS AND ACTUAL FIELD CONDITIONS, OR ANY CONFLICTS WITH PROPOSED IMPROVEMENTS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY. THE CONTRACTOR SHALL NOT PROCEED ANY FURTHER UNTIL GIVEN WRITTEN CLARIFICATION ON HOW TO PROCEED.
2. INSTALL STORM SEWER AS SHOWN. REFER TO STORM SEWER REQUIREMENT TABLE ON GENERAL NOTES SHEET FOR PIPE MATERIAL, JOINT, FRAME AND GRATE, STONE BEDDING AND TESTING REQUIREMENTS.
3. INSTALL SANITARY SEWER AS SHOWN. REFER TO SANITARY SEWER REQUIREMENT TABLE ON GENERAL NOTES SHEET FOR PIPE MATERIAL, JOINT, FRAME AND GRATE, STONE BEDDING AND TESTING REQUIREMENTS.
4. NOTE STORM AND SANITARY SEWER RELOCATIONS SHALL BE COORDINATED TO KEEP SERVICES ACTIVE.
5. INSTALL WATERMAIN AS SHOWN. REFER TO WATER MAIN REQUIREMENT TABLE ON GENERAL NOTES SHEET FOR PIPE MATERIAL, JOINT, FRAME AND GRATE, VALVES, FIRE HYDRANT, STONE BEDDING AND TESTING REQUIREMENTS.
6. REFER TO MEP AND ARCHITECTURAL PLANS FOR ELECTRIC AND GAS REQUIREMENTS AND FINAL ROUTING.
7. THE CONTRACTOR SHALL INCLUDE ALL ASSOCIATED COSTS WITH THE REMOVAL, TRANSPORT, DISPOSAL, TESTING AND CERTIFICATION OF "UNCONTAMINATED SOIL" AS DEFINED UNDER 415 ILCS 5/3-140 INCLUDING ANY FEES, TAXES, OR SURCHARGES CHARGED BY OR THROUGH THE OPERATOR(S) OF CLEAN CONSTRUCTION OR DEMOLITION DEBRIS FILL OPERATIONS OR UNCONTAMINATED SOIL FILL OPERATIONS FOR THE ACCEPTANCE OF UNCONTAMINATED SOIL.
8. ALL EXISTING STRUCTURES AS NOTED SHALL HAVE THE BOTTOM OF THE STRUCTURE AND SUMPS VACUUM CLEANED.
9. ALL CONNECTIONS TO EXISTING STRUCTURES SHALL BE MACHINED CORED HOLES.
10. EXISTING STORM STRUCTURES TO REMAIN WITHIN THE REDEVELOPMENT AREA HAVE BEEN NOTED WITH 'ADJUST RIM' OR 'ADJUST MH'. 'ADJUST RIM' REQUIRES REMOVAL OF FRAME, ADDITIONAL OR REMOVAL OF CONCRETE RINGS AND REINSTALLATION OF FRAME. 'ADJUST MH' REQUIRES REMOVAL OF FRAME, FLATTOP OR CONE, AND FIRST BARREL SECTION, INSTALLATION OF NEW SHORTER BARREL SECTION AND REINSTALLATION OF FLATTOP OR CONE AND FRAME.
11. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE TO ALL INLETS AND CATCHBASINS. AREAS OF SURFACE PONDING SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
12. DRAINAGE, SEWER AND VALVE VAULT RIMS SHALL BE FLUSH WITH ADJACENT FINISHED GRADES. ALL RIM ELEVATION OF STRUCTURES SHALL BE ADJUSTED TO FINISHED GRADE OF ROADWAYS, ISLAND, CURBLINES, ETC. IF A CONFLICT EXISTS, NOTIFY ENGINEER PRIOR TO FINAL ADJUSTMENT OF STRUCTURE ELEVATION.
13. INSTALL SITE LIGHTING PER ELECTRICAL PLANS. REFER TO ELECTRICAL PLANS FOR LIGHT FIXTURES, POST, MAKE AND MODEL, AND FOUNDATION DETAILS. ALSO REFER TO ELECTRICAL PLANS FOR FINAL WIRE/CONDUIT ROUTING CONNECTIONS AND REQUIREMENTS.
14. INSTALL POWER FEED CONDUITS AS SHOWN. REFER TO ELECTRICAL PLANS FOR CONDUIT, MANHOLE DETAILS, AND BUILDING TERMINATION CONNECTIONS.



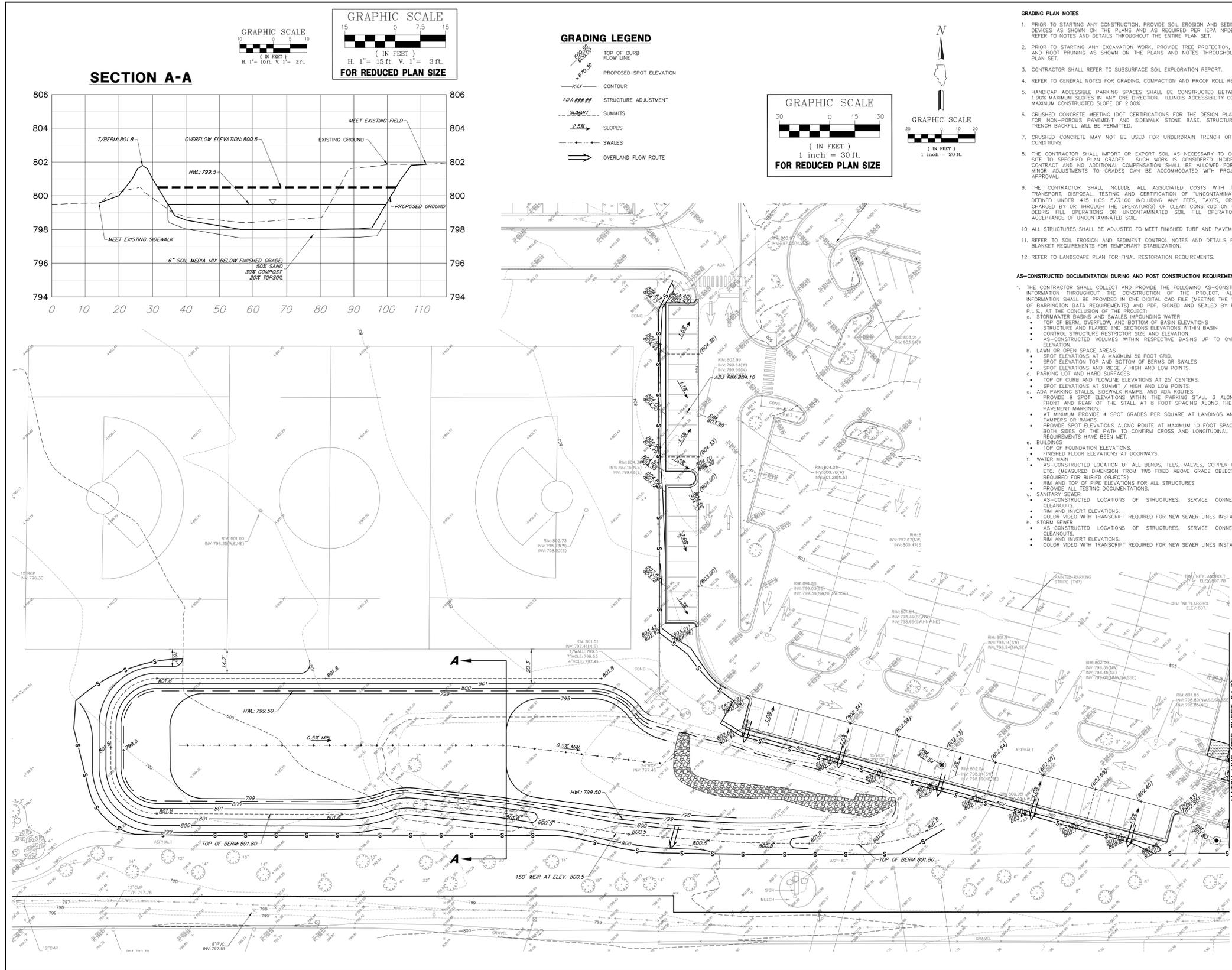
BARRINGTON SCHOOL DISTRICT 220
BHS FINE ARTS SITE IMPROVEMENTS
616 W MAIN ST., BARRINGTON, IL 60010

DATE	DESCRIPTION
07.15.2023	25% CD
08.15.2023	50% CD
09.08.2023	75% CD
09.28.2023	P.L.D. SUBMISSION

PROJECT # 2024-135
 DATE SEPTEMBER 28, 2023

SHEET TITLE

UTILITY PLAN (1)
 SHEET C3.2



- GRADING PLAN NOTES**
- PRIOR TO STARTING ANY CONSTRUCTION, PROVIDE SOIL EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE PLANS AND AS REQUIRED PER IEPA NPDES GUIDELINES. REFER TO NOTES AND DETAILS THROUGHOUT THE ENTIRE PLAN SET.
 - PRIOR TO STARTING ANY EXCAVATION WORK, PROVIDE TREE PROTECTION, PRESERVATION AND ROOT PRUNING AS SHOWN ON THE PLANS AND NOTES THROUGHOUT THE ENTIRE PLAN SET.
 - CONTRACTOR SHALL REFER TO SUBSURFACE SOIL EXPLORATION REPORT.
 - REFER TO GENERAL NOTES FOR GRADING, COMPACTION AND PROOF ROLL REQUIREMENTS.
 - HANDICAP ACCESSIBLE PARKING SPACES SHALL BE CONSTRUCTED BETWEEN 1.0% AND 1.50% MAXIMUM SLOPES IN ANY ONE DIRECTION. ILLINOIS ACCESSIBILITY CODE PERMITS A MAXIMUM CONSTRUCTED SLOPE OF 2.00%.
 - CRUSHED CONCRETE MEETING IDOT CERTIFICATIONS FOR THE DESIGN PLAN GRADATIONS FOR NON-POROUS PAVEMENT AND SIDEWALK STONE BASE, STRUCTURAL FILL, AND TRENCH BACKFILL WILL BE PERMITTED.
 - CRUSHED CONCRETE MAY NOT BE USED FOR UNDERDRAIN TRENCH OR POROUS FILL CONDITIONS.
 - THE CONTRACTOR SHALL IMPORT OR EXPORT SOIL AS NECESSARY TO CONSTRUCT THE SITE TO SPECIFIED PLAN GRADES. SUCH WORK IS CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR SUCH WORK. MINOR ADJUSTMENTS TO GRADES CAN BE ACCOMMODATED WITH PROJECT ENGINEER APPROVAL.
 - THE CONTRACTOR SHALL INCLUDE ALL ASSOCIATED COSTS WITH THE REMOVAL, TRANSPORT, DISPOSAL, TESTING AND CERTIFICATION OF "UNCONTAMINATED SOIL" AS DEFINED UNDER 415 ILCS 5/3160 INCLUDING ANY FEES, TAXES, OR SURCHARGES CHARGED BY OR THROUGH THE OPERATOR(S) OF CLEAN CONSTRUCTION OR DEMOLITION DEBRIS FILL OPERATIONS OR UNCONTAMINATED SOIL FILL OPERATIONS FOR THE ACCEPTANCE OF UNCONTAMINATED SOIL.
 - ALL STRUCTURES SHALL BE ADJUSTED TO MEET FINISHED TURF AND PAVEMENT GRADES.
 - REFER TO SOIL EROSION AND SEDIMENT CONTROL NOTES AND DETAILS FOR SEED AND BLANKET REQUIREMENTS FOR TEMPORARY STABILIZATION.
 - REFER TO LANDSCAPE PLAN FOR FINAL RESTORATION REQUIREMENTS.

- AS-CONSTRUCTED DOCUMENTATION DURING AND POST CONSTRUCTION REQUIREMENTS**
- THE CONTRACTOR SHALL COLLECT AND PROVIDE THE FOLLOWING AS-CONSTRUCTED INFORMATION THROUGHOUT THE CONSTRUCTION OF THE PROJECT. ALL THE INFORMATION SHALL BE PROVIDED IN ONE DIGITAL CAD FILE (MEETING THE VILLAGE OF BARRINGTON DATA REQUIREMENTS) AND PDF, SIGNED AND SEALED BY P.E. OR P.L.S., AT THE CONCLUSION OF THE PROJECT:
 - STORMWATER BASINS AND SWALES IMPROVING WATER:
 - TOP OF BERM, OVERFLOW, AND BOTTOM OF BASIN ELEVATIONS
 - STRUCTURE AND FLARED END SECTIONS ELEVATIONS WITHIN BASIN
 - CONTROLLING STRUCTURE RESTRICTOR SIZE AND ELEVATION
 - AS-CONSTRUCTED VOLUMES WITHIN RESPECTIVE BASINS UP TO OVERFLOW ELEVATION
 - LAWN OR OPEN SPACE AREAS:
 - SPOT ELEVATIONS AT A MAXIMUM 50 FOOT GRID
 - SPOT ELEVATION TOP AND BOTTOM OF BERMS OR SWALES
 - SPOT ELEVATIONS AND RIDGE / HIGH AND LOW POINTS
 - PARKING LOT AND HARD SURFACES
 - TOP OF CURB AND FLOWLINE ELEVATIONS AT 25' CENTERS
 - SPOT ELEVATIONS AT SUMMIT / HIGH AND LOW POINTS
 - ADA PARKING STALLS, SIDEWALK RAMP, AND ADA ROUTES
 - PROVIDE 9 SPOT ELEVATIONS WITHIN THE PARKING STALL 3 ALONG THE FRONT AND REAR OF THE STALL AT 8 FOOT SPACING ALONG THE STALL PAVEMENT MARKINGS
 - AT MINIMUM PROVIDE 4 SPOT GRADES PER SQUARE AT LANDINGS AND ANY TAMERS OR RAMPS
 - PROVIDE SPOT ELEVATIONS ALONG ROUTE AT MAXIMUM 10 FOOT SPACING ON BOTH SIDES OF THE PATH TO CONFIRM CROSS AND LONGITUDINAL SLOPES REQUIREMENTS HAVE BEEN MET.
 - BUILDINGS:
 - TOP OF FOUNDATION ELEVATIONS
 - FINISHED FLOOR ELEVATIONS AT DOORWAYS
 - WATER MAIN
 - AS-CONSTRUCTED LOCATION OF ALL BENDS, TEES, VALVES, COPPER UNIONS, ETC. (MEASURED DIMENSION FROM TWO FIXED ABOVE GRADE OBJECTS ARE REQUIRED FOR BURIED OBJECTS)
 - RIM AND TOP OF PIPE ELEVATIONS FOR ALL STRUCTURES
 - PROVIDE ALL TESTING DOCUMENTATIONS
 - SANITARY SEWER:
 - AS-CONSTRUCTED LOCATIONS OF STRUCTURES, SERVICE CONNECTIONS, CLEANOUTS
 - RIM AND INVERT ELEVATIONS
 - COLOR VIDEO WITH TRANSCRIPT REQUIRED FOR NEW SEWER LINES INSTALLED.
 - STORM SEWER:
 - AS-CONSTRUCTED LOCATIONS OF STRUCTURES, SERVICE CONNECTIONS, CLEANOUTS
 - RIM AND INVERT ELEVATIONS
 - COLOR VIDEO WITH TRANSCRIPT REQUIRED FOR NEW SEWER LINES INSTALLED.

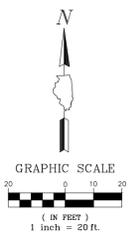
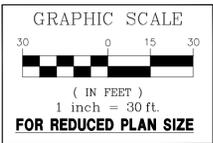
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BARRINGTON SCHOOL DISTRICT 220
BHS FINE ARTS SITE IMPROVEMENTS
616 W MAIN ST., BARRINGTON, IL 60010

DATE	DESCRIPTION
07.15.2025	25% CD
08.15.2025	50% CD
09.15.2025	75% CD
09.23.2025	P.D. SUBMISSION

PROJECT # 2024-135
DATE SEPTEMBER 26, 2025
SHEET TITLE GRADING PLAN (1)



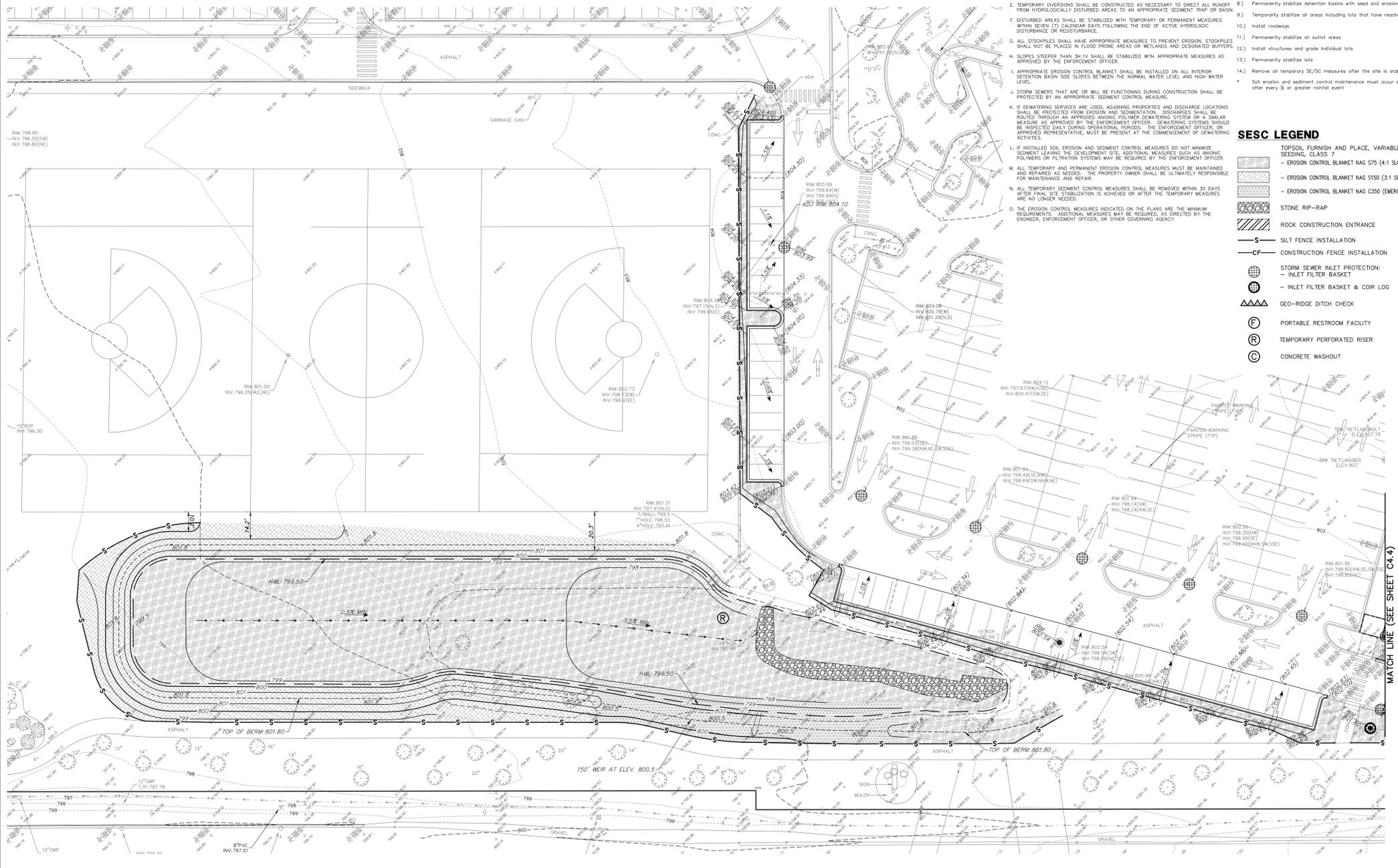
**LAKE COUNTY STORMWATER MANAGEMENT COMMISSION
SOIL EROSION AND SEDIMENT CONTROL CONSTRUCTION NOTES**

- A. SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
- B. FOR THOSE DEVELOPMENTS THAT REQUIRE A DESIGNATED EROSION CONTROL INSPECTOR (DECI), INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
 - UPON COMPLETION OF SEDIMENT AND RUNOFF CONTROL MEASURES (INCLUDING PERIMETER CONTROLS AND DIVERSIONS), PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING.
 - AFTER EVERY SEVEN (7) CALENDAR DAYS OR STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.
- C. 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 PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
- D. A STABILIZED MAT OF CRUSHED STONE MEETING DOT GRADATION (CA-1) UNDERLAIN WITH FILTER FABRIC AND IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL, OR OTHER APPROPRIATE MEASURE(S) AS APPROVED BY THE ENFORCEMENT OFFICER, 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 REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- E. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR REDISTURBANCE.
- F. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR REDISTURBANCE.
- G. ALL STRUCTURES SHALL HAVE APPROPRIATE MEASURES TO PREVENT EROSION. STOOPILLS SHALL NOT BE PLACED IN FLOOD PRONE AREAS OR WETLANDS AND DESIGNATED BUFFERS.
- H. SLOPES STEEPER THAN 3H:1V SHALL BE STABILIZED WITH APPROPRIATE MEASURES AS APPROVED BY THE ENFORCEMENT OFFICER.
- I. APPROPRIATE EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL INTERIOR DETENTION BASIN SIDE SLOPES BETWEEN THE NORMAL WATER LEVEL AND HIGH WATER LEVEL.
- J. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
- K. IF DETERMINED SERVICES ARE USED, ADDITIONAL PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DISCHARGES SHALL BE ROUTED THROUGH AN APPROVED ANIONIC POLYMER DETERMINING SYSTEM OR A SIMILAR MEASURE AS APPROVED BY THE ENFORCEMENT OFFICER. DETERMINING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE ENFORCEMENT OFFICER, OR APPROVED REPRESENTATIVE, MUST BE PRESENT AT THE COMMENCEMENT OF DETERMINING ACTIVITIES.
- L. IF REVEALED SOIL EROSION AND SEDIMENT CONTROL MEASURES DO NOT MINIMIZE SEDIMENT LEAVING THE DEVELOPMENT SITE, ADDITIONAL MEASURES SUCH AS ANIONIC POLYMERS OR FILTRATION SYSTEMS MAY BE REQUIRED BY THE ENFORCEMENT OFFICER.
- M. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE PROPERTY OWNER SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR.
- N. ALL TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
- O. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, ENFORCEMENT OFFICER, OR OTHER GOVERNING AGENCY.



- TYPICAL CONSTRUCTION SEQUENCING**
- 1) Installation of soil erosion and sediment control SE/SC measures
 - a) Selective vegetation removal for silt fence installation
 - b) Silt fence installation
 - c) Construction fencing around areas not to be disturbed
 - d) Stabilized construction entrance
 - 2) Tree removal where necessary (clear & grub)
 - 3) Construct sediment trapping devices (sediment traps, basins...)
 - 4) Construct detention facilities and outlet control structure with restrictor & temporary perforated riser
 - 5) Strip topsoil, stockpile topsoil and grade site
 - 6) Temporarily stabilize topsoil stockpiles (seed and silt fence around toe of slope)
 - 7) Install storm sewer, sanitary sewer, water and associated inlet & outlet protection
 - 8) Permanently stabilize detention basins with seed and erosion control blanket
 - 9) Temporarily stabilize all areas including lots that have reached temporary grade
 - 10) Install roadways
 - 11) Permanently stabilize all outlet areas
 - 12) Install structures and grade individual lots
 - 13) Permanently stabilize lots
 - 14) Remove all temporary SE/SC measures after the site is stabilized with vegetation
 - Soil erosion and sediment control maintenance must occur every two weeks and after every 1/2" or greater rainfall event

- SESC LEGEND**
- TOPSOIL, FURNISH AND PLACE, VARIABLE DEPTH, 6" MIN. SEEDING, CLASS 7
 - EROSION CONTROL BLANKET M&G S75 (4:1 SLOPES)
 - EROSION CONTROL BLANKET M&G S150 (3:1 SLOPES OR STEEPER)
 - EROSION CONTROL BLANKET M&G C350 (EMERGENCY OVERFLOW)
 - STONE RIP-RAP
 - ROCK CONSTRUCTION ENTRANCE
 - SILT FENCE INSTALLATION
 - CONSTRUCTION FENCE INSTALLATION
 - STORM SEWER INLET PROTECTION:
 - INLET FILTER BASKET
 - INLET FILTER BASKET & COIR LOG
 - GEO-RIDGE DITCH CHECK
 - PORTABLE RESTROOM FACILITY
 - TEMPORARY PERFORATED RISER
 - CONCRETE WASHOUT



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**BARRINGTON SCHOOL DISTRICT 220
BHS FINE ARTS SITE IMPROVEMENTS
616 W MAIN ST., BARRINGTON, IL 60010**

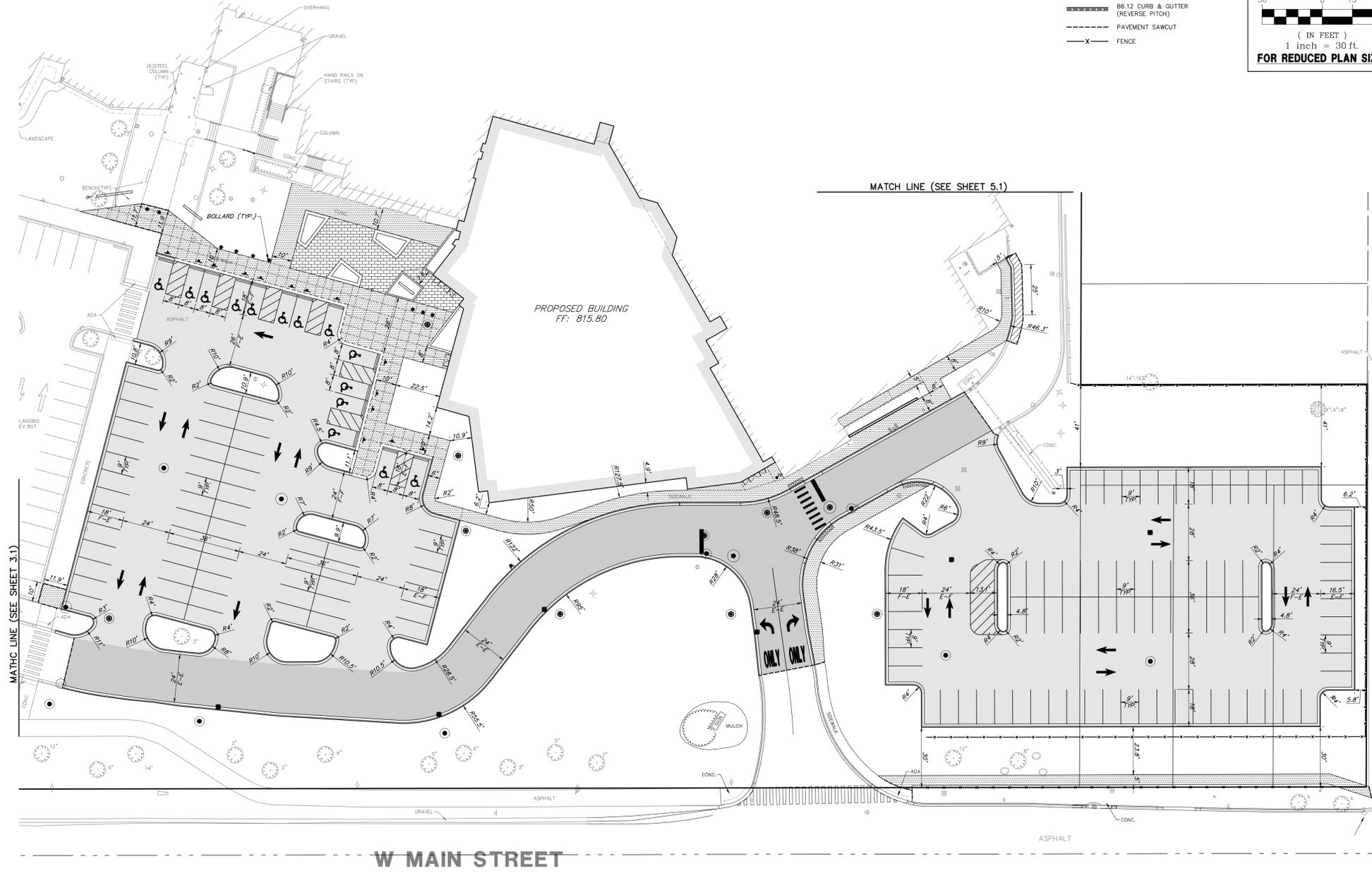
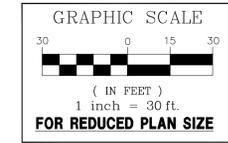
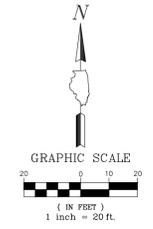
DATE	DESCRIPTION
07.18.2025	25% CD
08.15.2025	50% CD
09.05.2025	75% CD
09.23.2025	PUB. SUBMISSION

PROJECT #	2024-135
DATE	SEPTEMBER 26, 2025
SHEET TITLE	STORMWATER POLLUTION PREVENTION PLAN (1)
SHEET	C3.4

*FOR GEOMETRIC PLAN NOTES SEE SHEET C3.1

PROPOSED LEGEND

-  8" HEAVY DUTY PAVEMENT
-  4.25" LIGHT DUTY PAVEMENT
-  PCC TRANSFORMER PAD
-  BRICK PAVERS
-  PCC SIDEWALK
-  CLASS D PATCH
-  STONE RIP RAP, CLASS A1
-  BUILDING
-  DETECTABLE WARNINGS
-  B6.12 CURB & GUTTER (REGULAR)
-  B6.12 CURB & GUTTER (DEPRESSED)
-  B6.12 CURB & GUTTER (REVERSE PITCH)
-  PAVEMENT SAWCUT
-  FENCE



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BARRINGTON SCHOOL DISTRICT 220
BHS FINE ARTS SITE IMPROVEMENTS
616 W MAIN ST., BARRINGTON, IL 60010

DATE	DESCRIPTION
07.15.2025	25% CD
08.15.2025	50% CD
09.08.2025	75% CD
09.23.2025	PLD SUBMISSION

PROJECT # 2024-135

DATE SEPTEMBER 23, 2025

SHEET TITLE

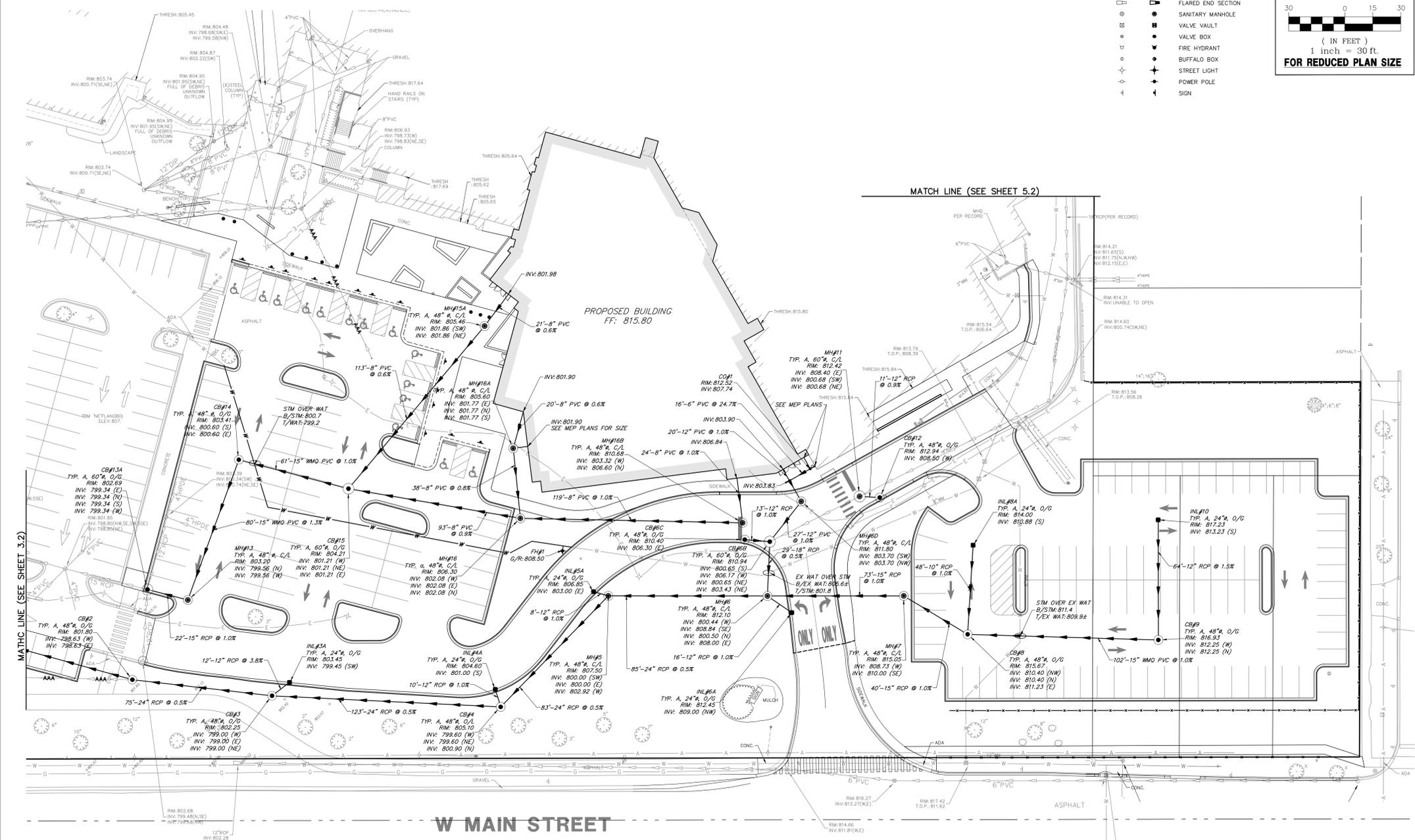
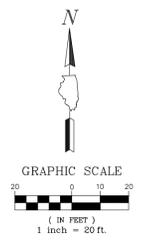
GEOMETRIC PLAN (2)

SHEET C4.1

*FOR UTILITY PLAN NOTES SEE SHEET C3.2

UTILITY PLAN LEGEND

- EXISTING STORM SEWER
 - EXISTING SANITARY SEWER
 - W— EXISTING WATERMAIN
 - PROPOSED STORM SEWER
 - PROPOSED SANITARY SEWER
 - W— PROPOSED WATERMAIN
-
- EXISTING STORM MANHOLE
 - EXISTING STORM CATCHBASIN
 - EXISTING STORM INLET
 - EXISTING FLARED END SECTION
 - EXISTING SANITARY MANHOLE
 - EXISTING VALVE VAULT
 - EXISTING VALVE BOX
 - EXISTING FIRE HYDRANT
 - EXISTING BUFFALO BOX
 - EXISTING STREET LIGHT
 - EXISTING POWER POLE
 - EXISTING SIGN
-
- PROPOSED STORM MANHOLE
 - PROPOSED STORM CATCHBASIN
 - PROPOSED STORM INLET
 - PROPOSED FLARED END SECTION
 - PROPOSED SANITARY MANHOLE
 - PROPOSED VALVE VAULT
 - PROPOSED VALVE BOX
 - PROPOSED FIRE HYDRANT
 - PROPOSED BUFFALO BOX
 - PROPOSED STREET LIGHT
 - PROPOSED POWER POLE
 - PROPOSED SIGN



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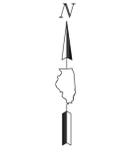
DATE	DESCRIPTION
07.15.2023	ISSUE
08.15.2023	REV. 02
09.06.2023	REV. 03
09.28.2023	PUB. SUBMISSION

UTILITY PLAN (2)

*FOR GRADING PLAN NOTES SEE SHEET C3.3

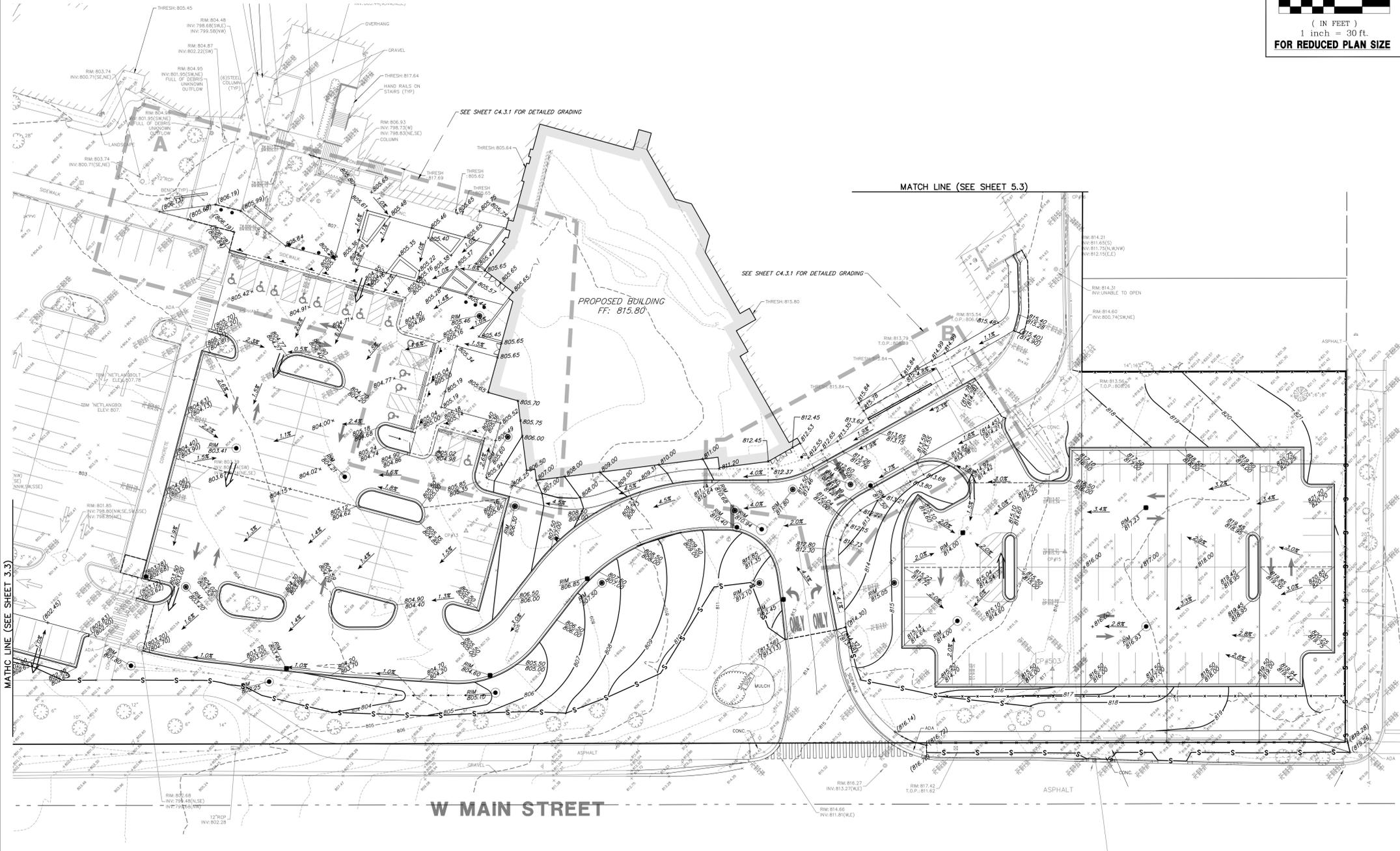
GRADING LEGEND

-  TOP OF CURB FLOW LINE
-  PROPOSED SPOT ELEVATION
-  CONTOUR
-  STRUCTURE ADJUSTMENT
-  SUMMITS
-  SLOPES
-  SWALES
-  OVERLAND FLOW ROUTE



GRAPHIC SCALE
(IN FEET)
1 inch = 20 ft.

GRAPHIC SCALE
(IN FEET)
1 inch = 30 ft.
FOR REDUCED PLAN SIZE



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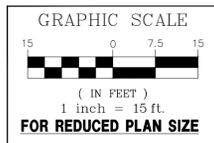
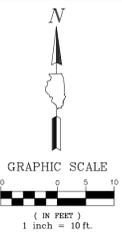
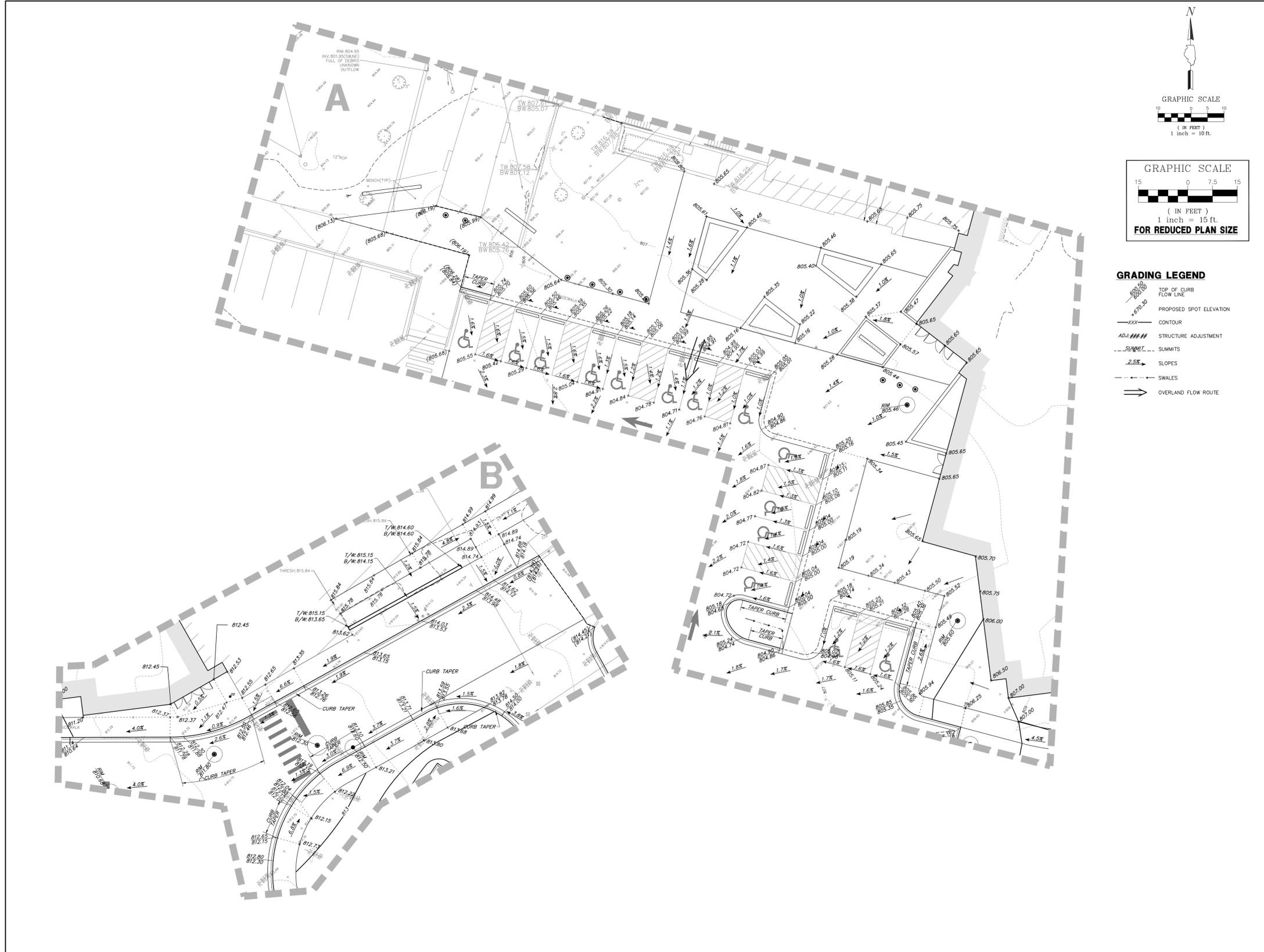
BARRINGTON SCHOOL DISTRICT 220
BHS FINE ARTS SITE IMPROVEMENTS
616 W MAIN ST., BARRINGTON, IL 60010

DATE	DESCRIPTION
07.16.2025	25% CD
08.15.2025	50% CD
09.23.2025	75% CD
09.23.2025	PUB. SUBMISSION

PROJECT # 2024-135
DATE SEPTEMBER 24, 2025
SHEET TITLE

GRADING PLAN (2)

SHEET C4.3



- GRADING LEGEND**
- TOP OF CURB FLOW LINE
 - PROPOSED SPOT ELEVATION
 - CONTOUR
 - STRUCTURE ADJUSTMENT
 - SUMMITS
 - SLOPES
 - SWALES
 - OVERLAND FLOW ROUTE

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BARRINGTON SCHOOL DISTRICT 220
BHS FINE ARTS SITE IMPROVEMENTS
616 W MAIN ST., BARRINGTON, IL 60010

DATE	DESCRIPTION
07.14.2023	25% CD
08.15.2023	50% CD
09.06.2023	75% CD
09.28.2023	P.L.D. SUBMISSION

PROJECT # 2024-135
 DATE SEPTEMBER 28, 2023
 SHEET TITLE

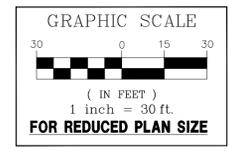
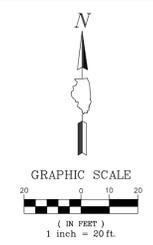
GRADING
 ENLARGEMENT

SHEET
C4.3.1

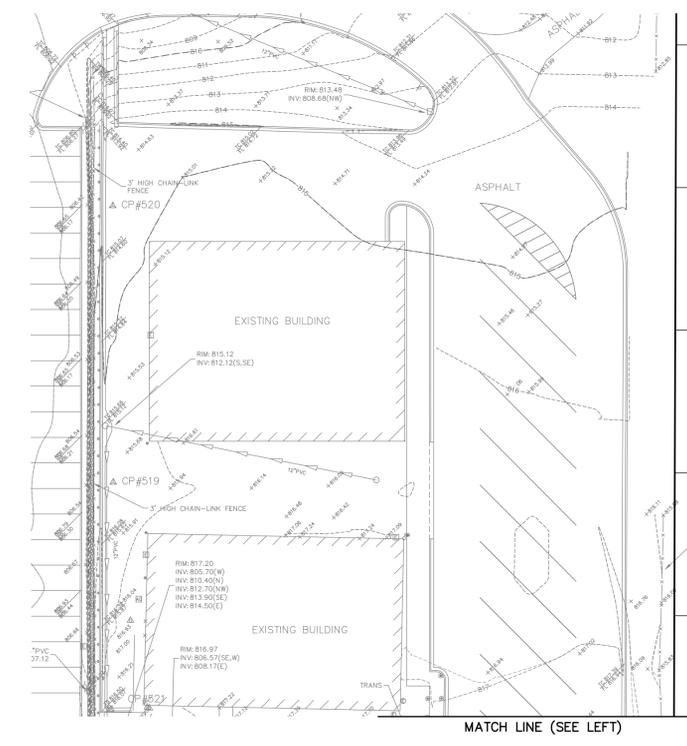


REMOVAL LEGEND

- PAVEMENT REMOVAL FULL DEPTH
- CLASS D PATCH
- EARTH/GRAVEL REMOVAL
- SIDEWALK REMOVAL
- PATHWAY REMOVAL
- CONCRETE REMOVAL
- SIGN REMOVAL
- TREE/SHRUB REMOVAL
- PERIMETER EROSION BARRIER
- TREE TRUNK PROTECTION FENCE
- CURB/COMBINATION CURB AND GUTTER REMOVAL
- UTILITY TO BE ABANDONED
- UTILITY TO BE REMOVED
- TREE ROOT PRUNING
- PAVEMENT SAWCUT
- STRUCTURE TO BE ABANDONED
- STRUCTURE REMOVAL
- CONSTRUCTION FENCE



*FOR EXISTING CONDITION AND DEMOLITION PLAN NOTES SEE SHEET C3.0



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BARRINGTON SCHOOL DISTRICT 220
BHS FINE ARTS SITE IMPROVEMENTS
616 W MAIN ST., BARRINGTON, IL 60010

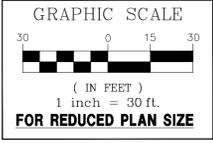
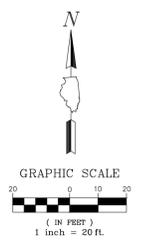
DATE	DESCRIPTION
07.15.2023	25% CD
08.15.2023	50% CD
09.06.2023	75% CD
09.29.2023	PUB. SUBMISSION

PROJECT # 2024-135
DATE SEPTEMBER 29, 2023
SHEET TITLE EXISTING CONDITIONS / DEMOLITION PLAN
(3)

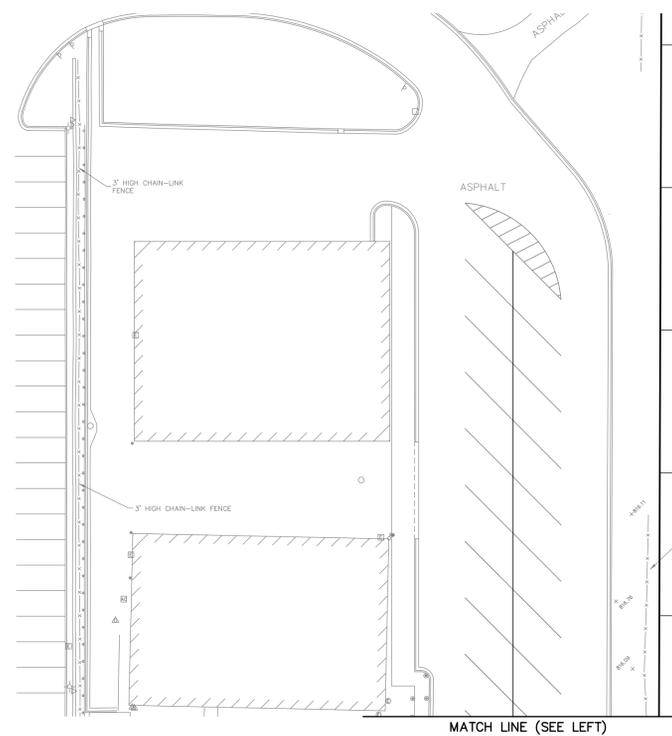
SHEET C5.0



- PROPOSED LEGEND**
- 8" HEAVY DUTY PAVEMENT
 - 4.25" LIGHT DUTY PAVEMENT
 - PCC TRANSFORMER PAD
 - BRICK PAVERS
 - PCC SIDEWALK
 - CLASS D PATCH
 - STONE RIP RAP, CLASS A1
 - BUILDING
 - DETECTABLE WARNINGS
 - B6.12 CURB & GUTTER (REGULAR)
 - B6.12 CURB & GUTTER (DEPRESSED)
 - B6.12 CURB & GUTTER (REVERSE PITCH)
 - PAVEMENT SAWCUT
 - FENCE



*FOR GEOMETRIC PLAN NOTES SEE SHEET C3.1



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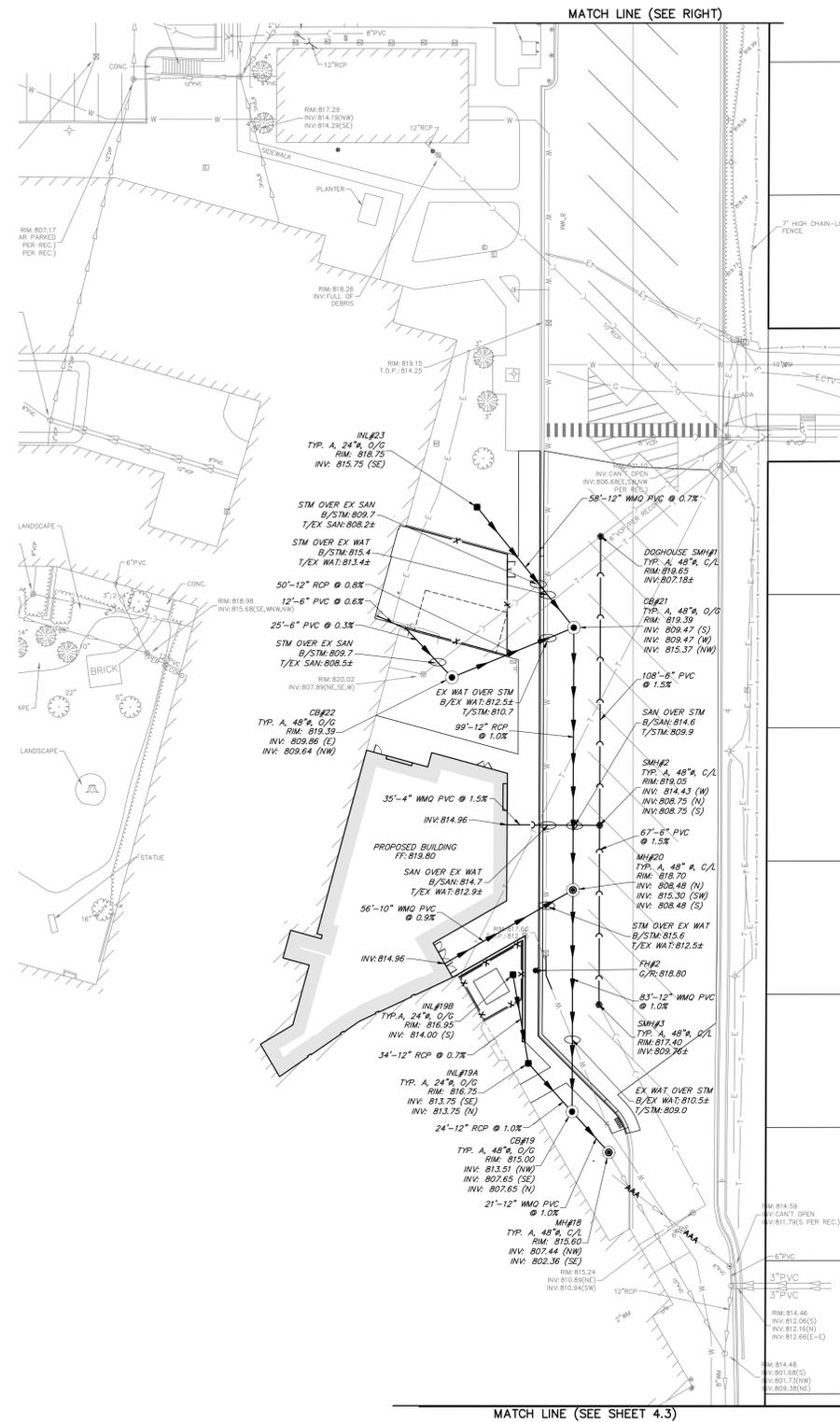
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BARRINGTON SCHOOL DISTRICT 220
BHS FINE ARTS SITE IMPROVEMENTS
616 W MAIN ST., BARRINGTON, IL 60010

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07.16.2025	25% CD
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09.04.2025	75% CD
09.23.2025	P.L.D. SUBMISSION

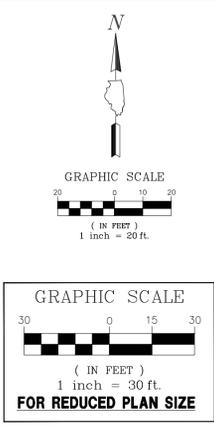
PROJECT # 2024-135
DATE SEPTEMBER 26, 2025
SHEET TITLE
GEOMETRIC PLAN (3)

SHEET C5.1

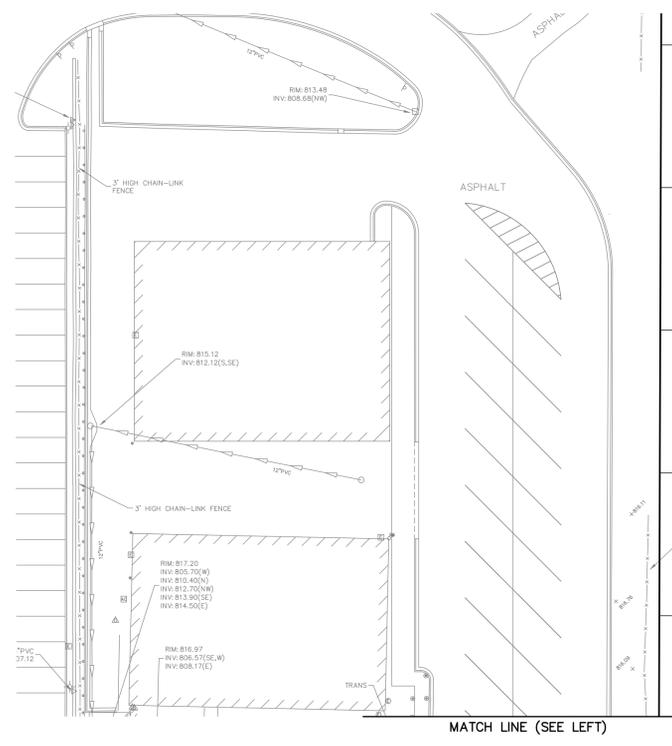


UTILITY PLAN LEGEND

- EXISTING STORM SEWER
 - EXISTING SANITARY SEWER
 - EXISTING WATERMAIN
 - PROPOSED STORM SEWER
 - PROPOSED SANITARY SEWER
 - PROPOSED WATERMAIN
-
- ⊙ EXISTING STORM MANHOLE
 - ⊙ EXISTING STORM CATCHBASIN
 - ⊙ EXISTING STORM INLET
 - ⊙ EXISTING FLARED END SECTION
 - ⊙ EXISTING SANITARY MANHOLE
 - ⊙ EXISTING VALVE VAULT
 - ⊙ EXISTING VALVE BOX
 - ⊙ EXISTING FIRE HYDRANT
 - ⊙ EXISTING BUFFALO BOX
 - ⊙ EXISTING STREET LIGHT
 - ⊙ EXISTING POWER POLE
 - ⊙ EXISTING SIGN



*FOR UTILITY PLAN NOTES SEE SHEET C3.2



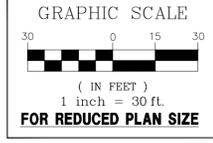
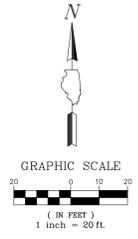

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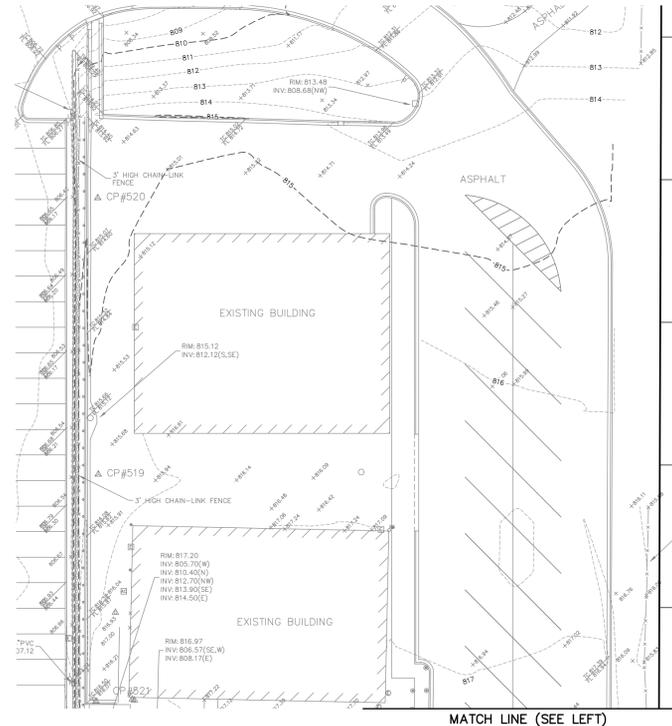
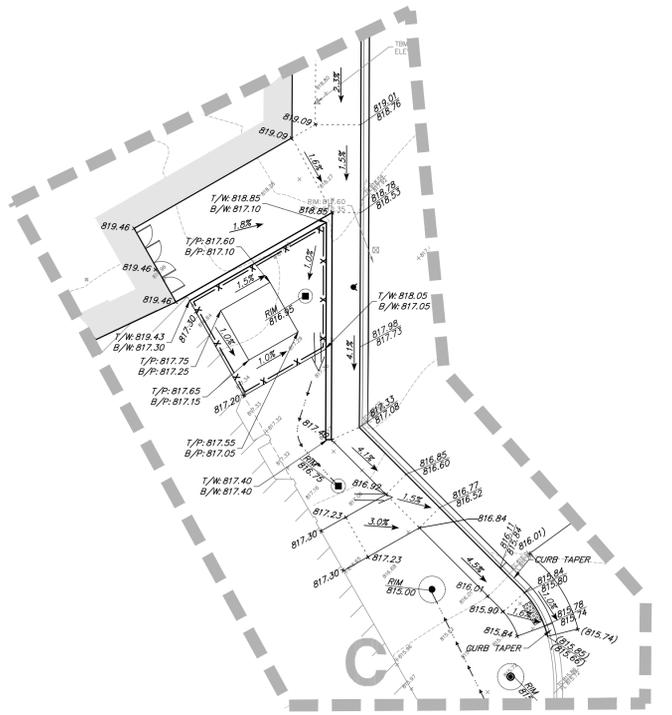
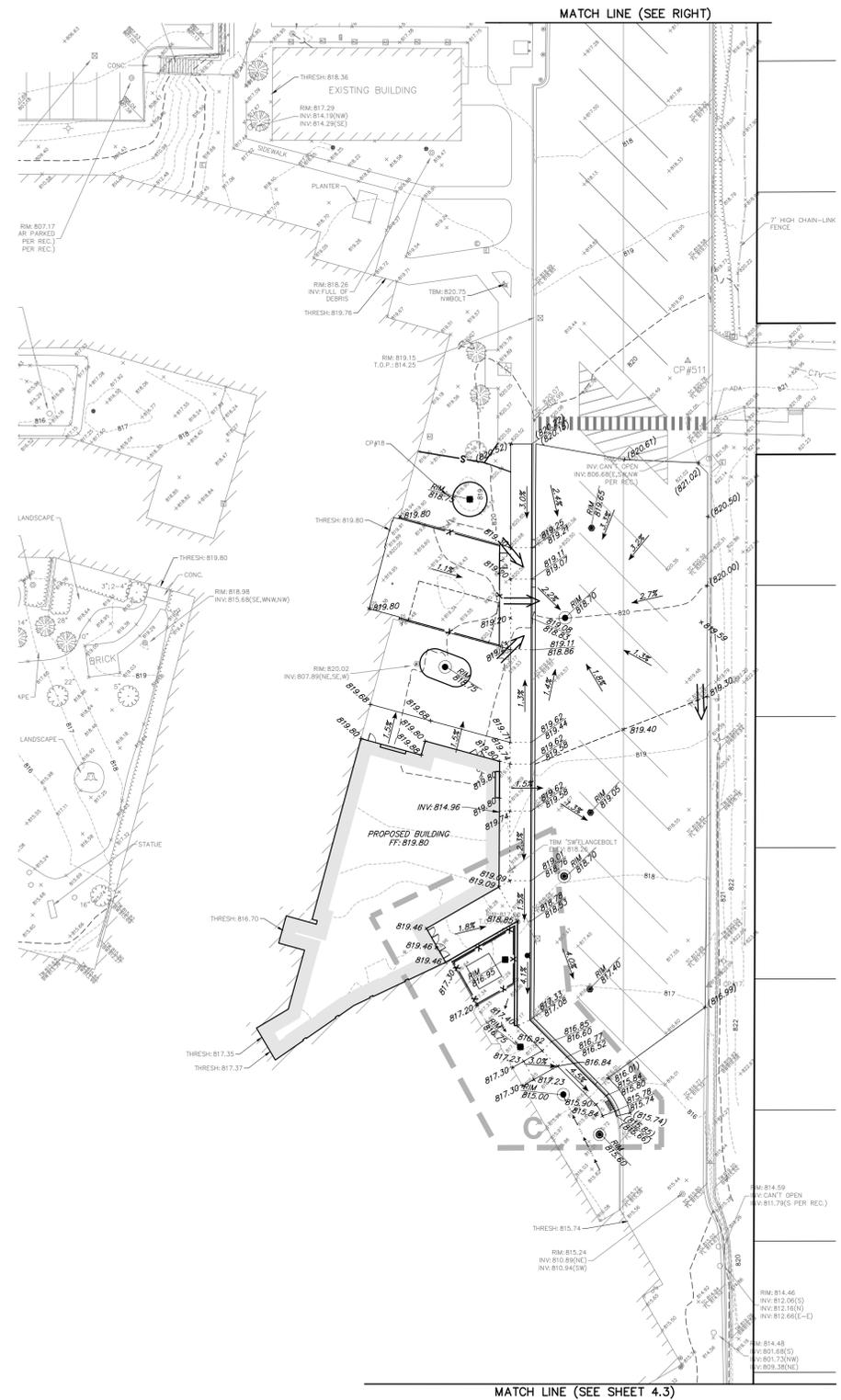
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09.28.2023	PUB. SUBMISSION

PROJECT #	2024-135
DATE	SEPTEMBER 29, 2023
SHEET TITLE	UTILITY PLAN (3)



- GRADING LEGEND**
- TOP OF CURB FLOW LINE
 - PROPOSED SPOT ELEVATION
 - CONTOUR
 - STRUCTURE ADJUSTMENT
 - SUMMITS
 - SLOPES
 - SWALES
 - OVERLAND FLOW ROUTE

*FOR GRADING PLAN NOTES SEE SHEET C3.3



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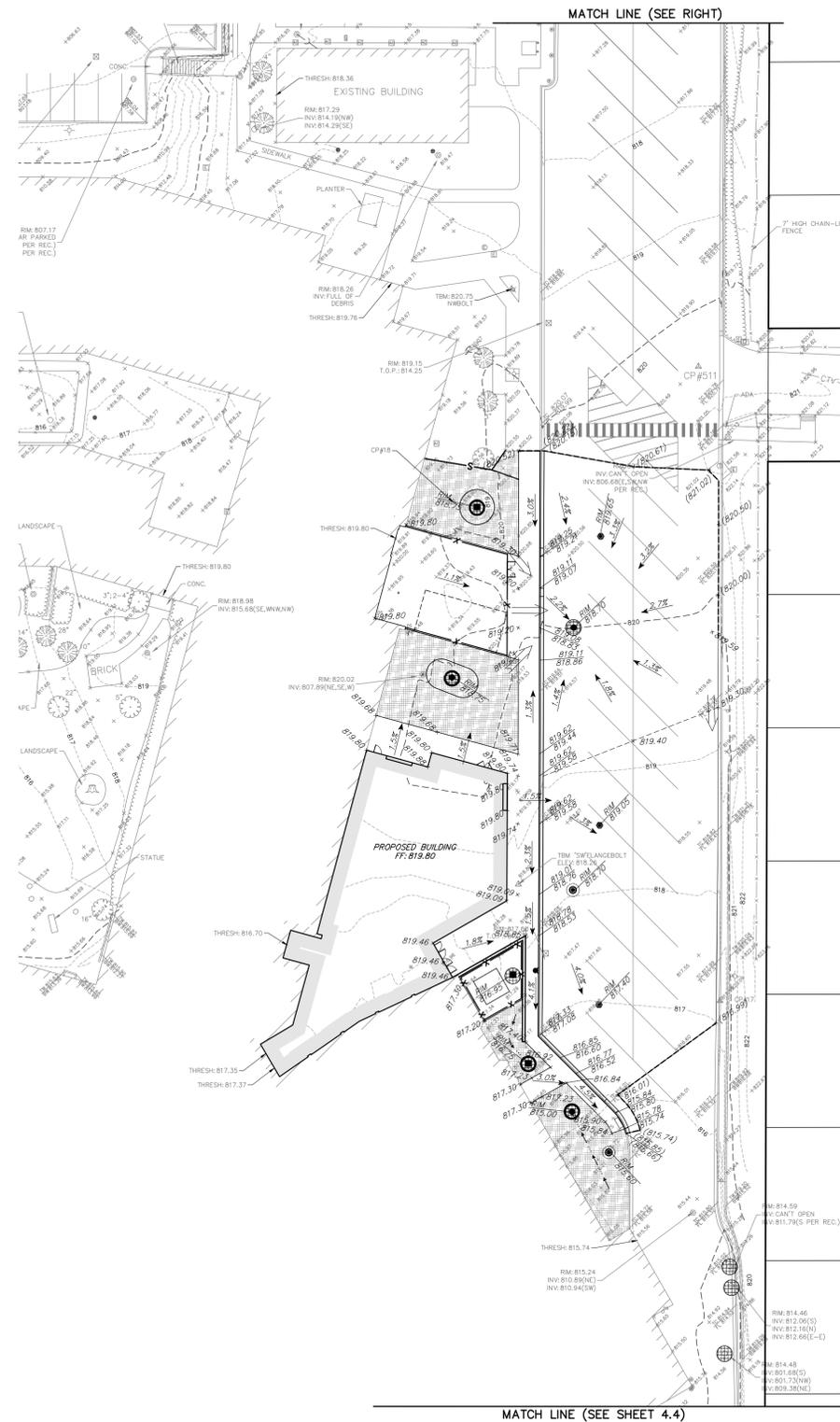
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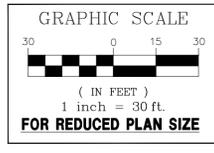
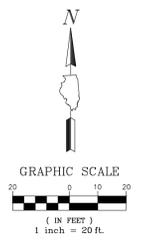
PROJECT # 2024-135
DATE SEPTEMBER 29, 2023
SHEET TITLE GRADING PLAN (3)

SHEET C5.3

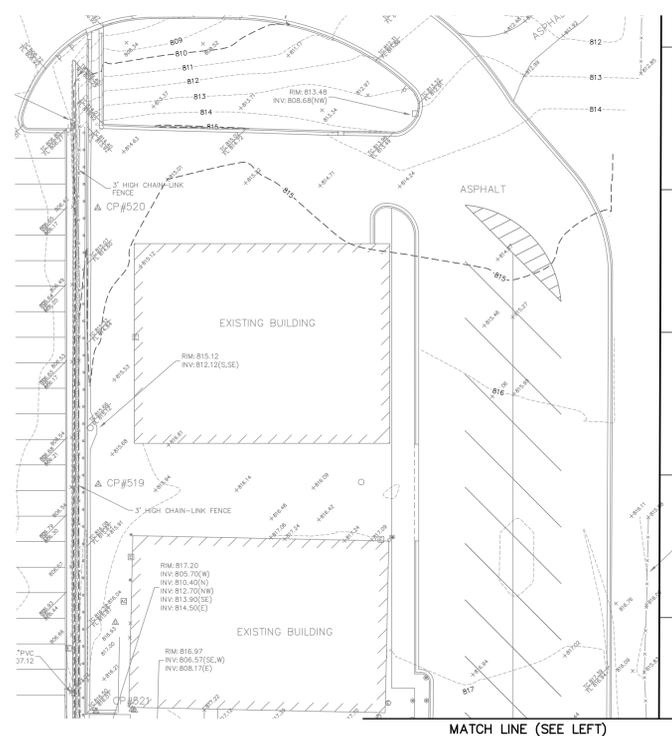


SESC LEGEND

- TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH, 6" MIN. SEEDING, CLASS 7
- EROSION CONTROL BLANKET NAG S75 (4:1 SLOPES)
- EROSION CONTROL BLANKET NAG S150 (3:1 SLOPES OR STEEPER)
- EROSION CONTROL BLANKET NAG C350 (EMERGENCY OVERFLOW)
- STONE RIP-RAP
- ROCK CONSTRUCTION ENTRANCE
- S SILT FENCE INSTALLATION
- CF CONSTRUCTION FENCE INSTALLATION
- STORM SEWER INLET PROTECTION:
 - INLET FILTER BASKET
 - INLET FILTER BASKET & COIR LOG
- ▲▲▲▲ GEO-RIDGE DITCH CHECK
- ⊕ PORTABLE RESTROOM FACILITY
- ⊙ TEMPORARY PERFORATED RISER
- ⊙ CONCRETE WASHOUT



*FOR STORMWATER POLLUTION PREVENTION PLAN NOTES SEE SHEET C3.4



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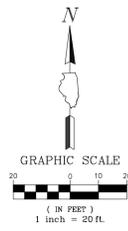
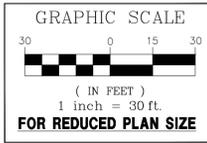
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BHS FINE ARTS SITE IMPROVEMENTS
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PROJECT # 2024-135
DATE SEPTEMBER 29, 2023
SHEET TITLE
STORMWATER
POLLUTION
PREVENTION PLAN
(3)

SHEET
C5.4



PROPOSED LEGEND

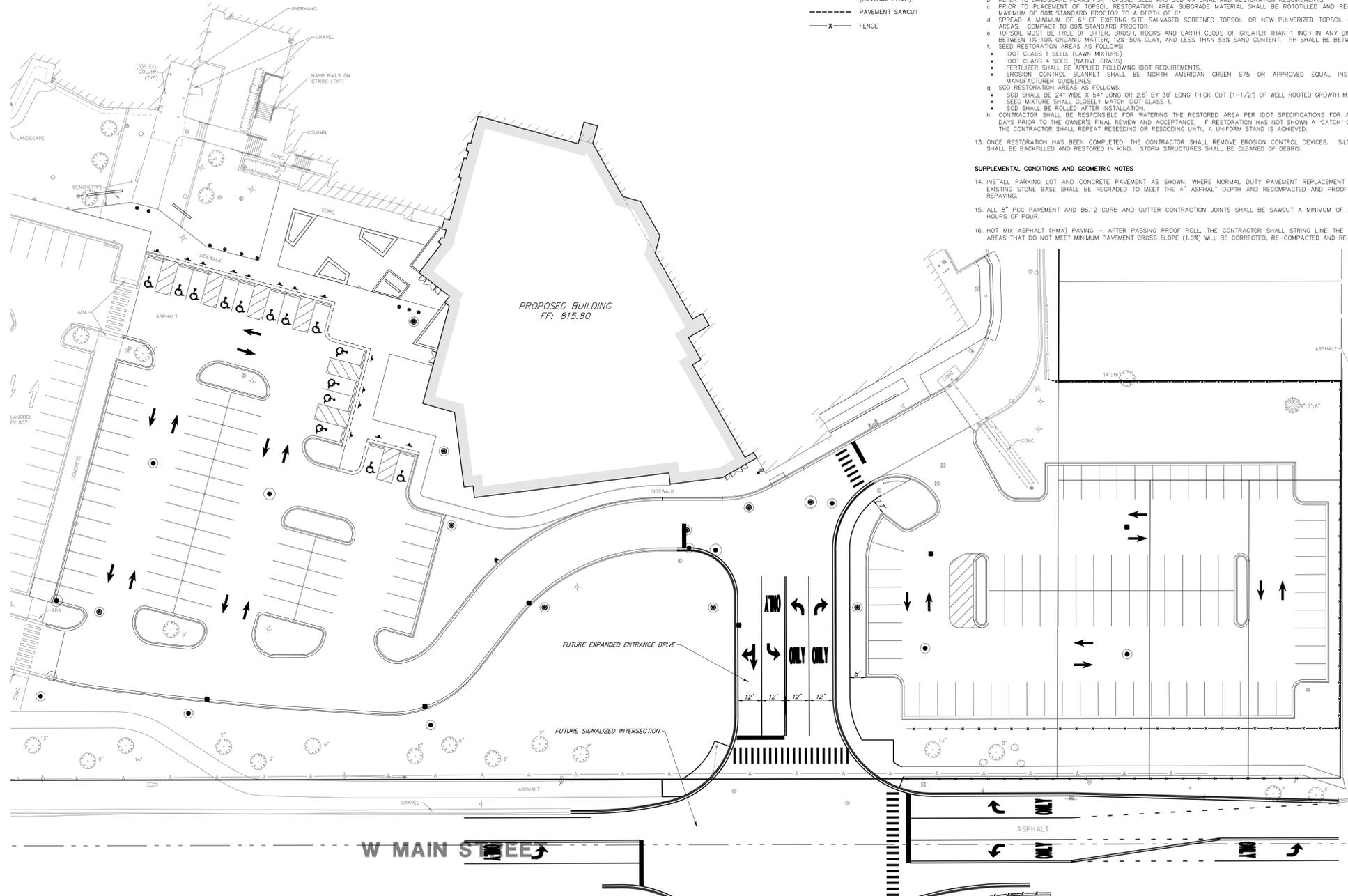
- 8" HEAVY DUTY PAVEMENT
- 4.25" LIGHT DUTY PAVEMENT
- PCC TRANSFORMER PAD
- BRICK PAVERS
- PCC SIDEWALK
- CLASS D PATCH
- STONE RIP RAP, CLASS A1
- BUILDING
- DETECTABLE WARNINGS
- B6.12 CURB & GUTTER (REGULAR)
- B6.12 CURB & GUTTER (DEPRESSED)
- B6.12 CURB & GUTTER (REVERSE PITCH)
- PAVEMENT SAWCUT
- FENCE

GEOMETRIC AND PAVING PLAN

1. ALL PAVEMENT DIMENSIONS ARE TO EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. E=EDGE OF PAVEMENT, B=BACK OF CURB, F=FACE OF CURB. RADI DIMENSIONS ARE TO BACK OF CURB.
2. INSTALL ALL CURB AND SIDEWALK AS SHOWN. NOTE SOME CURBS REQUIRE REVERSE PITCH GUTTER. DOWEL NEW SIDEWALK AND CURB TO EXISTING AND PROPOSED CURBS PER GENERAL NOTES. WHEN CONSTRUCTING A CARRIAGE WALK, THE PROPOSED SIDEWALK CONTRACTION AND EXPANSION JOINTS SHALL ALIGN WITH EXISTING CURB JOINTS.
3. PROVIDE 1.00% CROSS SLOPE AND 4.5% MAXIMUM LONGITUDINAL SLOPE ON ALL SIDEWALKS AND PEDESTRIAN PATH WAYS UNLESS OTHERWISE INDICATED. ILLINOIS ACCESSIBILITY CODE REQUIRES A MAXIMUM CONSTRUCTED CROSS SLOPE OF 2.00% AND LONGITUDINAL SLOPE OF 5.00%.
4. INSTALL BITUMINOUS PAVEMENT AS SHOWN. REFER TO DETAIL SHEET FOR SPECIFIC PAVEMENT SECTIONS AND GENERAL NOTE SHEET FOR CONSTRUCTION, TESTING AND COMPACTION REQUIREMENTS.
5. ALL PARKING LOT STALL MARKINGS SHALL BE 4" YELLOW PAINT AND ALL OTHER PARKING LOT PAVEMENT MARKINGS SHALL BE PAINT, COLOR AS NOTED, IN ACCORDANCE WITH SECTION 700 OF THE IDOT STANDARD SPECIFICATIONS. (TWO SINGLE APPLICATIONS, 16 MILS EACH REQUIRED). SITE PAVEMENT MARKING SHALL BE COORDINATED WITH SITE ENGINEER. CONTRACTOR SHALL NOTIFY SITE ENGINEER 48 HRS PRIOR TO INSTALLING PAVEMENT MARKING.
6. FOR HANDICAPPED STALL MARKINGS, REFER TO HANDICAPPED PARKING STALL AND SIGN DIMENSIONING DETAIL.
7. INSTALL NEW SIGNS AND HANDICAPPED PARKING SIGNS USING 2" GALVANIZED SQUARE TUBE POST AND TELESCOPING POST SLEEVE PER IDOT STANDARD.
8. CONTRACTOR SHALL INSTALL TEMPORARY EROSION CONTROL SEED AND BLANKET AS NECESSARY TO MEET SOIL EROSION AND SEDIMENT CONTROL REQUIREMENTS. REFER TO NOTES AND DETAILS THROUGHOUT THE PLAN SET FOR SPECIFIC MATERIAL REQUIREMENTS.
9. FOR FINAL RESTORATION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ALL DISTURBED TURF AREAS AND PROPOSED TURF AREAS AS FOLLOWS:
 - a. REFER TO LANDSCAPE PLANS FOR PLANT AND TREE MATERIAL AND INSTALLATION REQUIREMENTS.
 - b. REFER TO LANDSCAPE PLANS FOR TOPSOIL, SEED AND SOD MATERIAL AND RESTORATION REQUIREMENTS.
 - c. PRIOR TO PLACEMENT OF TOPSOIL RESTORATION AREA, SUBGRADE MATERIAL SHALL BE ROTOTILLED AND RE-COMPACTED TO A MAXIMUM OF 80% STANDARD PROCTOR TO A DEPTH OF 6".
 - d. SPREAD A MINIMUM OF 6" OF EXISTING SITE SALVAGED SCREENED TOPSOIL OR NEW PULVERIZED TOPSOIL ON ALL DISTURBED AREAS. COMPACT TO 80% STANDARD PROCTOR.
 - e. TOPSOIL MUST BE FREE OF LITTER, BRUSH, ROCKS AND EARTH CLODS OF GREATER THAN 1 INCH IN ANY DIMENSION, CONTAIN BETWEEN 15-10% ORGANIC MATTER, 12%-60% CLAY, AND LESS THAN 55% SAND CONTENT. PH SHALL BE BETWEEN 6.0 AND 8.0.
 - f. SEED RESTORATION AREAS AS FOLLOWS:
 - IDOT CLASS 1 SEED (LAWN MIXTURE)
 - IDOT CLASS 4 SEED (NATIVE GRASS)
 - FERTILIZER SHALL BE APPLIED FOLLOWING IDOT REQUIREMENTS.
 - g. EROSION CONTROL BLANKET SHALL BE NORTH AMERICAN GREEN S75 OR APPROVED EQUAL INSTALLED FOLLOWING MANUFACTURER GUIDELINES.
 - h. SOD RESTORATION AREAS AS FOLLOWS:
 - SOD SHALL BE 24" WIDE X 54" LONG OR 2.5' BY 30' LONG THICK CUT (1-1/2") OF WELL ROOTED GROWTH MATERIAL.
 - SEED MIXTURE SHALL CLOSELY MATCH IDOT CLASS 1.
 - SOD SHALL BE ROLLED AFTER INSTALLATION.
 - i. CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING THE RESTORED AREA PER IDOT SPECIFICATIONS FOR A DURATION OF 30 DAYS PRIOR TO THE OWNER'S FINAL REVIEW AND ACCEPTANCE. IF RESTORATION HAS NOT SHOWN A "CATCH" OR UNIFORM STAND, THE CONTRACTOR SHALL REPEAT RESEEDING OR RESEEDING UNTIL A UNIFORM STAND IS ACHIEVED.
13. ONCE RESTORATION HAS BEEN COMPLETED, THE CONTRACTOR SHALL REMOVE EROSION CONTROL DEVICES. SILT FENCE TRENCHES SHALL BE BACKFILLED AND RESTORED IN KIND. STORM STRUCTURES SHALL BE CLEANED OF DEBRIS.

SUPPLEMENTAL CONDITIONS AND GEOMETRIC NOTES

14. INSTALL PARKING LOT AND CONCRETE PAVEMENT AS SHOWN, WHERE NORMAL DUTY PAVEMENT REPLACEMENT IS INDICATED, THE EXISTING STONE BASE SHALL BE REGRADED TO MEET THE 4" ASPHALT DEPTH AND RECOMPACTED AND PROOF ROLLED PRIOR TO PAVING.
15. ALL 8" PCC PAVEMENT AND B6.12 CURB AND GUTTER CONTRACTION JOINTS SHALL BE SAWCUT A MINIMUM OF 2" DEEP WITHIN 12 HOURS OF POUR.
16. HOT MIX ASPHALT (HMA) PAVING - AFTER PASSING PROOF ROLL, THE CONTRACTOR SHALL STRING LINE THE PARKING LOT. ANY AREAS THAT DO NOT MEET MINIMUM PAVEMENT CROSS SLOPE (1.0%) WILL BE CORRECTED, RE-COMPACTED AND RE-PROOF ROLLED.



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09.23.2025	PUB. SUBMISSION

PROJECT # 2024-135

DATE SEPTEMBER 29, 2025

SHEET TITLE
 FUTURE SIGNALIZED ENTRANCE

SHEET
 C6.0

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE PERFORMED ACCORDING TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" LATEST EDITION, THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" LATEST EDITION, THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" LATEST EDITION, THE ILLINOIS PLUMBING CODE, THE DETAILS IN THESE PLANS, THE CONTRACT DOCUMENTS, ALL APPLICABLE REQUIREMENTS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION, THE IEPA AND ORDINANCES OF AUTHORITIES HAVING JURISDICTION AND ALL ADDENDA THERETO.
- EASEMENTS FOR THE EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE AND UTILITIES WITHIN PUBLIC RIGHTS-OF-WAY ARE SHOWN ON THE PLANS ACCORDING TO AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION IN THE FIELD OF THESE UTILITY LINES AND THEIR PROTECTION FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
- WHENEVER, DURING CONSTRUCTION OPERATIONS, ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF OUTLETS, DRAINAGE STRUCTURES, DITCHES, ETC. SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THE LOOSE MATERIAL WILL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE CONTRACT. 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.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE PRIOR TO ORDERING MATERIALS. IN ADDITION, THE CONTRACTOR MUST VERIFY THE LINE AND GRADES. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, STANDARD SPECIFICATIONS AND/OR SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTION FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSION OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTION, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS/HER OWN RISK AND EXPENSE AND NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR ANY COSTS INCURRED.
- ALL PAVEMENT DIMENSIONS ARE SHOWN TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE THE MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 72 HOURS PRIOR TO BEGINNING WORK.
- IF DURING CONSTRUCTION THE CONTRACTOR ENCOUNTERS OR OTHERWISE BECOMES AWARE OF ANY SEWERS OR UNDERDRAINS OTHER THAN THOSE SHOWN ON THE PLANS, HE/SHE SHALL INFORM THE ENGINEER, WHO SHALL DIRECT THE WORK NECESSARY TO MAINTAIN OR REPLACE THE FACILITIES IN SERVICE AND TO PROTECT THEM FROM DAMAGE DURING CONSTRUCTION. IF MAINTAINED, EXISTING FACILITIES TO BE MAINTAINED THAT ARE DAMAGED BECAUSE OF NON-COMPLIANCE WITH THIS PROVISION SHALL BE REPLACED AT THE CONTRACTOR'S OWN EXPENSE.
- THE CONTRACTOR SHALL PROVIDE TEMPORARY TOILET FACILITIES AND HAND SANITIZING STATIONS FOR THE USE OF ALL THE CONTRACTORS PERSONNEL EMPLOYED ON THE WORK SITE. THE FACILITIES SHALL BE MAINTAINED IN PROPER SANITARY CONDITION THROUGHOUT THE PROJECT. THE LOCATION OF THE TEMPORARY FACILITIES SHALL BE APPROVED BY THE ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE NPDES PERMIT AND SWPPP MANUAL. IF NO NPDES PERMIT OR SWPPP MANUAL IS NEEDED FOR THE PROJECT THE CONTRACTOR SHALL PERFORM SOIL EROSION SEDIMENT CONTROL BEST PRACTICES OR AS DIRECTED BY THE OWNER TO PREVENT ILLEGAL DISCHARGES FROM THE SITE.

UTILITY NOTES

- UNDERGROUND WORK SHALL INCLUDE TRENCHING, DISPOSAL OF EXCESS MATERIAL, DOWELING, INSTALLATION OF PIPE, CASTINGS, STRUCTURES, BACKFILLING OF TRENCHES AND COMPACTION, AND TESTING AS SHOWN ON THE CONSTRUCTION PLANS. FITTINGS AND ACCESSORIES NECESSARY TO COMPLETE THE WORK MAY NOT BE SPECIFIED BUT SHALL BE CONSIDERED AS INCLUDED TO THE COST OF THE CONTRACT. ALL SEWER SHALL BE INSTALLED USING A LASER AND BEGIN AT THE DOWNSTREAM END.
- MACHINE CORE ALL CONNECTIONS TO EXISTING STRUCTURES USING A CORE DRILL. HAMMERING OR SAWING OF STRUCTURES WILL NOT BE ALLOWED.
- SANITARY SERVICE CONNECTIONS TO NEW SEWERS SHALL BE MADE WITH WYE BRANCHES. WYE BRANCHES SHALL BE FACTORY MANUFACTURED PERMANENTLY AFFIXED TO THE MAIN SEWER. TEE BRANCHES ARE NOT ALLOWED.
- ALL CONNECTIONS TO EXISTING SANITARY MANHOLES SHALL BE INSTALLED WITH A NEOPRENE BOOT SECURED WITH DOUBLE STAINLESS STEEL STRAPS MEETING THE REQUIREMENTS OF ASTM C-923.
- ALL CONNECTIONS TO EXISTING OR DISSIMILAR STORM/SANITARY LINES SHALL BE DONE WITH STAINLESS STEEL NON-SHEAR COUPLINGS.
- STONE BEDDING AND BACKFILL SHALL BE OMITTED FOR A DISTANCE OF 15 FEET UP AND DOWNSTREAM OF SEWERS DRAINING TO OR FROM PONDS OR STREAMS. THE REPLACED BEDDING SHALL BE SILTY CLAY SOIL MECHANICALLY COMPACTED TO 90% MODIFIED PROCTOR DENSITY. THE USE OF PERMEABLE SOILS WILL NOT BE PERMITTED.
- ALL WATER MAIN SHALL HAVE MECHANICAL RESTRAINED TYPE JOINTS AT ALL CONNECTIONS AND FITTINGS. IN ADDITION, ALL HARDWARE SHALL BE STAINLESS STEEL.
- THRUST BLOCKING SHALL BE PROVIDED ON WATER MAIN AT ALL BENDS, TEES, ELBOWS, ETC. INDIVIDUAL INSPECTION FOR ALL THRUST BLOCKING IS REQUIRED. THRUST BLOCKING SHALL BE POURED IN PLACE CONCRETE. PRECAST BLOCKS MAY BE USED AS APPROVED BY THE ENGINEER IN THE FIELD.
- ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER, ALL DOWNSPOUTS, SIDE YARD DRAINS, AND OUTSIDE DRAINS SHALL DISCHARGE TO THE STORM SEWER SYSTEM. FOOTING DRAINS SHALL FIRST DRAIN TO A SUMP PIT.

PROJECT SPECIFIC NOTES

- THE CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS THAT INCLUDE: CRITICAL SPOT GRADES SUCH AS OVERFLOW ELEVATIONS, SPOT ELEVATIONS NEAR ENTRANCES, SPOT ELEVATIONS ALONG THE DESIGNATED ADA ROUTE, SUFFICIENT INFORMATION SUCH THAT THE ENGINEER MAY VERIFY LINING, ANSII/AWWA C104/A21.4 ELEVATIONS OF ALL WATER MAIN, LOCATIONS OF ALL INSTALLED UNDERGROUND UTILITIES, LOCATIONS OF ALL BURIED BENDS AND FITTINGS AND ALL FIELD CHANGES FROM THE APPROVED DRAWINGS.
- ALL WORK PERFORMED UNDER THIS CONTRACT SHALL BE GUARANTEED BY THE CONTRACTOR AND HIS SURETY FOR A PERIOD OF 12 MONTHS FROM THE DATE OF INITIAL ACCEPTANCE OF THE WORK BY THE OWNER AGAINST ALL DEFECTS IN MATERIALS AND WORKMANSHIP OF WHATEVER NATURE.
- ALL CONSTRUCTION WILL BE INSPECTED BY THE OWNER'S REPRESENTATIVE. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE MUNICIPALITY AS WELL AS THE STANDARD SPECIFICATIONS.
- ALL PUBLIC WATER MAINS AND SANITARY SEWER MAINS MUST BE ACCEPTED BY THE VILLAGE OF BARRINGTON.
- THE SEWER AND WATER CONTRACTOR SHALL BE REQUIRED TO BE LICENSED AND BONDED WITH THE VILLAGE OF BARRINGTON BEFORE WORK IS STARTED.
- CONTRACTOR SHALL NOTIFY THE VILLAGE OF BARRINGTON (847-304-3400) AND THE PROJECT ENGINEER (847-478-9700) AT LEAST 72 HOURS PRIOR TO BEGINNING ANY WORK ON THIS PROJECT.
- THE CONTRACTOR SHALL INDEMNIFY THE OWNER, ENGINEER, THE MUNICIPALITY AND THEIR AGENTS, FROM ALL LIABILITY INVOLVED IN CONSTRUCTION, INSTALLATION AND TESTING OF THE WORK ON THIS PROJECT.
- THE CONTRACTOR MUST CARRY INSURANCE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. THE CONTRACTOR AND AGENTS OF GENERAL HAMILTON ASSOCIATES MUST BE LISTED AS ADDITIONAL INSURED.
- ALL ELEVATIONS ARE ON NAVD 88 VERTICAL DATUM.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL TRAFFIC CONTROL TO ADEQUATELY INFORM AND PROTECT THE PUBLIC OF ALL CONSTRUCTION OPERATIONS.
- STOCKPILING MATERIAL WITHIN THE 100 YEAR FLOOD PLAIN AND OR THE FLOODWAY IS STRICTLY PROHIBITED.
- PRIOR TO PLACEMENT OF FABRIC AND STONE, THE SUBGRADE SHALL BE PROOF-ROLLED IN THE PRESENCE OF THE ENGINEER. PROOF-ROLLING SHALL BE DONE USING A THREE AXLE DUMP TRUCK TOGETHER WITH LOAD WEIGHING AT LEAST TWENTY-FIVE (25) TONS. THE LOAD SHALL BE UNIFORMLY PLACED IN THE DUMP BODY. ALL DEFICIENCIES SHALL BE REPAIRED AND RE-PROOF-ROLLED UNTIL FOUND ACCEPTABLE TO THE ENGINEER.
- CRUSHED CONCRETE IS NOT PERMITTED FOR USE ON THE PROJECT UNLESS PRIOR WRITTEN NOTICE IS GIVEN BY THE ENGINEER.
- ALL STONE USED ON THE PROJECT SHALL BE CRUSHED UNLESS SPECIFICALLY NOTED OTHERWISE.
- ALL CONNECTIONS TO EXISTING STORM MANHOLES SHALL BE INSTALLED WITH A NEOPRENE BOOT SECURED WITH DOUBLE STAINLESS STEEL STRAPS MEETING THE REQUIREMENTS OF ASTM C-923.
- ALL CONCRETE SHALL HAVE A LIGHT BROOM FINISH APPLIED WITHIN 1 HOUR OF FINAL STRIKING.
- ALL CONCRETE SHALL CONSIST OF PORTLAND CEMENT CONCRETE MEETING REQUIREMENTS OF SECTION 1020. ALL SIDEWALKS, CURBS AND POST FOUNDATIONS SHALL BE CLASS SI 3,500 PSI @ 14 DAYS. ALL PAVEMENT SHALL BE CLASS PV 3,500 PSI @ 14 DAYS. WHERE NOTED ON THE PLANS HIGH EARLY CONCRETE SHALL BE CLASS PV TYPE II 3,500 PSI CONCRETE @ 3 DAYS. ALL CONCRETE REQUIRING A CURE TIME FASTER THAN 3 DAYS SHALL HAVE A MIX DESIGN SUBMITTED TO THE ENGINEER FOR APPROVAL. WHEN REQUIRED BY THE MUNICIPALITY, FLY ASH SHALL NOT BE USED IN THE MIX DESIGN. SLUMP SHALL BE 2-4" AND AIR CONTENT SHALL BE BETWEEN 5-8% UNLESS MODIFIED BY ARTICLE 1020.04.
- ALL CONCRETE SHALL HAVE A WHITE, 100T TYPE 3 CURING COMPOUND APPLIED TO THE SURFACE WITHIN 1 HOUR OF FINAL STRIKING AT THE MANUFACTURER RECOMMENDED APPLICATION RATE.
- 3/4" THICK PRE-MOLDED FIBER EXPANSION JOINTS WITH 2 , 3/4" x 18" PLAIN ROUND, STEEL DOWEL BARS SHALL BE INSTALLED IN ALL CURBS AT (45) FORTY-FIVE FOOT INTERVALS AND AT ALL P.C.'S, P.T.'S AND CURB RETURNS. ALTERNATE ENDS OF THE DOWEL BARS SHALL BE GREASED AND FITTED WITH METAL EXPANSION TUBES. ALL EXPANSION JOINTS MUST BE FREE OF CONCRETE FOR FULL DEPTH. CONTRACTION JOINTS SHALL BE TOOLED AT 15' INTERVALS.
- UNLESS OTHERWISE NOTED ON THE PLANS WHENEVER NEW CONCRETE ABUTS EXISTING/ OR NEW CONCRETE SET A 1/2" THICK PRE-MOLDED FIBER EXPANSION JOINT AND DOWEL WITH SMOOTH 12" #4 BARS @ 24" O.C. THIS INCLUDES CONCRETE POURED ADJACENT TO EXISTING SIDEWALKS, CURBS AND BUILDING. THE DOWEL BARS SHOULD BE 4" INTO EXISTING CONCRETE WITH 8" EXTENDING INTO NEW CONCRETE.
- ALL DOWEL BARS AND THE BARS SHALL BE EPOXY COATED UNLESS NOTED OTHERWISE.
- ALL PAVEMENT AND BUILDING SUBGRADE SHALL BE COMPACTED TO 95% MODIFIED PROCTOR DENSITY (ASTM D-1557). ALL SUBGRADE IN LAWN AREAS SHALL BE COMPACTED TO 90% MODIFIED PROCTOR DENSITY (ASTM D-1557). ALL TOPSOIL AND SUBGRADE 6" BELOW TOPSOIL SHALL BE COMPACTED TO 80% STANDARD PROCTOR DENSITY (ASTM D-698).
- SPREAD SCREENED TOPSOIL ON ALL DISTURBED AREAS AND PROPOSED GREEN AREAS. TOPSOIL SHALL COMPLY WITH REQUIREMENTS OF ARTICLE 1081.05.
- ALL SIGNAGE SHALL BE INSTALLED IN ACCORDANCE WITH THE MOST RECENT VERSION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND ILLINOIS SUPPLEMENT OR ILLINOIS DEPARTMENT OF TRANSPORTATION DETAILS.
- ALL SIGNAGE NOT ATTACHED TO SIGNAL OR LIGHTING POLES SHALL BE MOUNTED ON TELESCOPING STEEL SIGN SUPPORTS WITH BREAKAWAY BASES IN ACCORDANCE WITH SECTION 728.
- ALL SIGNAGE SHALL HAVE TYPE 2Z SHEETING.

STORM SEWERS	MODEL/SPECIFICATION	STANDARDS/REQUIREMENTS	
	PVC SDR 26	PIPE ASTM D-3034	JOINT ASTM D-3212
	DIP CL 52	PIPE ANSII/AWWA A21.51/C-151	JOINT ANSII/AWWA A21.11/C-111
	RCP CL IV	PIPE ANSII/AWWA C104/A21.4	JOINT ASTM C-443
	PIPE ASTM C-76	PIPE ASTM C-76	JOINT ASTM D-3139 GASKET/ASTM F-477
WM CROSSING PVC	PVC G900 DR18	PIPE AWWA C900	JOINT ASTM D-3139 GASKET/ASTM F-477
		PIPE ASTM D-3034	SOLEVENT WELD JOINT
FINGERDRAINS	PVC SDR 35	PERFORATIONS	HOLE PATTERN ASTM D-2729
		PERFORATIONS	JOINT ASTM D-3212
UNDERDRAINS	PVC SDR 26	PERFORATIONS	HOLE PATTERN ASTM D-2729
FRAME & GRATE/LID	PAVED AREAS	OPEN LID/NEENAH R-1713 TYPE 'D' GRATE	CLOSED LID/NEENAH R-1713 EMBOSSED 'STORM'
	GRASS AREAS	OPEN LID/NEENAH R-2437 TYPE 'D' GRATE	CLOSED LID/NEENAH R-2437 EMBOSSED 'STORM'
	CURB STRUCTURES	M4 12 CURB - NEENAH R-3501-E2 OR NEENAH R-3501-P1 (REQUIRES CURB FLARE)	B6 12 CURB - NEENAH R-3281-AL OR NEENAH R-3278-AL (REQUIRES CURB FLARE)
ADJUSTMENT RINGS	CONCRETE	4" MINIMUM, 12" MAXIMUM	
	PLASTIC	LESS THAN 4"	
PIPE BEDDING MATERIAL	CA-11		
TRENCH BACKFILL	CA-6		
TRENCH BACKFILL FINGERDRAIN	CA-7	CRUSHED CONCRETE NOT ALLOWED. ALL STONE MUST BE WASHED	
TRENCH BACKFILL UNDERDRAIN	CA-7	CRUSHED CONCRETE NOT ALLOWED. ALL STONE MUST BE WASHED	

WATER MAIN	MODEL/SPECIFICATION	STANDARDS/REQUIREMENTS	
SEE VILLAGE MATERIAL LIST FOR WATER MAIN STANDARDS		ADDITIONAL ITEMS ARE LISTED BELOW.	
ADJUSTMENT RINGS	CONCRETE	4" MINIMUM, 12" MAXIMUM	
PIPE BEDDING MATERIAL	CA-11		
TRENCH BACKFILL	CA-6		

SANITARY SEWERS	MODEL/SPECIFICATION	STANDARDS/REQUIREMENTS	
SEE VILLAGE MATERIAL LIST FOR SANITARY STANDARDS		ADDITIONAL ITEMS ARE LISTED BELOW.	
ALL SANITARY SEWER	PVC G900 DR18	PIPE AWWA C900	JOINT ASTM D-3139 GASKET/ASTM F-477
FRAME & GRATE/LID	PAVED AREAS	CLOSED LID/NEENAH R-1713 EMBOSSED 'SANITARY'	
	GRASS AREAS	CLOSED LID/NEENAH R-1772 EMBOSSED 'SANITARY'	
ADJUSTMENT RINGS	CONCRETE	4" MINIMUM, 12" MAXIMUM	
PIPE BEDDING MATERIAL	CA-11		
TRENCH BACKFILL	CA-6		
CHIMNEY SEAL	CRETEX	ASTM: C-923	
MANHOLE CONNECTIONS		ASTM: C-923 IW/ RUBBER BOOT	
JOINT WRAP	MAC WRAP	ASTM: C-877 TYPE II	

TESTING REQUIREMENTS

WATER MAIN	ALL WATER MAIN SHALL HAVE A PRESSURE AND LEAKAGE TEST PERFORMED IN ACCORDANCE WITH SECTION 41-2.14 OF STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS ACCEPT THE PRESSURE DURING THE TESTS SHALL BE EQUAL TO 150PSI FOR DISTRIBUTION MAINS AND AT 200PSI FOR LATERAL/SERVICE MAINS. REFER TO THE VILLAGE OF BARRINGTON FOR THE LATEST WATERMAIN TESTING REQUIREMENTS.
SANITARY SEWER	ALL SANITARY SEWER SHALL BE TESTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS. ALL RIGID SANITARY SEWER PIPE SHALL BE TESTED BY EITHER METHOD A B OR C AS OUTLINED IN SECTION 31-1.12. ALL FLEXIBLE SANITARY SEWER PIPE SHALL BE TESTED BY METHOD D AND EITHER METHOD A B OR C. ALL SANITARY SEWER MUST BE TESTED BY METHOD E. THE CONTRACTOR SHALL PROVIDE THE ENGINEER A COPY OF THE VIDEO ON A DIGITAL VIDEO DISC. THE VIDEO MUST BE IN COLOR AND PROCEED NO FASTER THAN 1 FOOT PER SECOND.
SEWER WATER MAIN CROSSINGS	ALL SEWERS THAT CROSS OR RUN PARALLEL TO WATER MAINS SUBJECT TO IEPA REQUIREMENTS FOR WATER MAIN QUALITY PIPE MUST BE PRESSURE TESTED ACCORDING TO 41-2.14 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS
SANITARY MANHOLES	ALL SANITARY MANHOLES SHALL BE TESTED BY EITHER ASTM C-969 OR ASTM C-1244

NON-WOVEN	STYLE DESCRIPTION	STANDARDS/REQUIREMENTS	RECOMMENDED PRODUCTS
	UNDERDRAIN FABRIC	6 oz	
		MINIMUM GRAD TENSILE ASTM D4632 = 160 LBS	PROPEX GEOTEX 601
		MINIMUM TRAPEZOID TEAR ASTM D4633 = 60 LBS	US FABRICS 160WV
		MINIMUM FLOW RATE ASTM D4491 = 110 GAL/MIN/SQFT	TENCATE MIRAF1 160N
WOVEN	STYLE DESCRIPTION	STANDARDS/REQUIREMENTS	RECOMMENDED PRODUCTS
	SUBGRADE/SUBBASE SEPARATION	6 oz	
		MINIMUM GRAD TENSILE ASTM D4632 = 315 LBS	PROPEX GEOTEX 315ST
		MINIMUM TRAPEZOID TEAR ASTM D4633 = 113 LBS	US FABRICS 315
		MINIMUM FLOW RATE ASTM D4491 = 4 GAL/MIN/SQFT	THRACER LINO 156EX
			TENCATE MIRAF1 60X



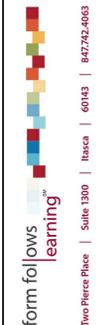
REQUIRED MATERIALS LIST

Item	Description
Water main pipe	Ductile iron pipe, class 52, in accordance with A.W.W.A. Standard C151, C111, and C104; by water main shall be installed in accordance with A.W.W.A. C-600 and C-601 with 8 mil. polywrap. Class 56, ductile iron pipe shall be installed as directed by the Director of Public Works. No 90 degree bends are allowed.
Main Line water valve/auxiliary valve	American Flow Control, Waterous Model A.F.C. 2500, ductile iron M.J., resilient wedge/open left, all stainless steel trim. Close Model F-2653-C115 Resilient Wedge Gate Valve
Valve vault	Precast reinforced concrete, 60" (5' in diameter) for valves 4" or larger. Vaults in parkway are required to have an external chimney and, manufactured by Cretex Specialty Products, or an approved equal, and an exterior joint wrap such as Mac Wrap or approved equal.
Valve vault frame and grate (in pavement)	In accordance with Section 604 of the Standard Specifications for Road and Bridge Construction and as manufactured by Neenah Foundry Company (Heavy Duty R-1713) or East Jordan Iron Works, Inc. (no. 1050) cover marked Water.
Valve vault frame and grate (in parkway)	In accordance with Section 604 of the Standard Specifications for Road and Bridge Construction and as manufactured by Neenah Foundry Company (Heavy Duty R-1713) or East Jordan Iron Works, Inc. (no. 1022) cover marked Water.
Fire hydrant	Waterous WB-67-250, Breakaway three-way N.S.T. one 2 1/2" vented cap, stainless steel bolts and nuts on the barrel section and shoe, 3 1/2" valve opening, six inch (6") M.L. shoe with 16" traffic barrel. Close Modallion F-2545 Fire Hydrant with stainless steel trim and one vented cap with 5-1/4" valve opening
Fire hydrant extension	Fire hydrant extensions and parts to be manufactured by manufacturer only. No alternatives allowed.
Water main fittings	Water main fittings shall be ductile iron, mechanical joint in accordance with A.W.W.A. Standard C-153, and shall be made in U.S.A. with mega lug and stainless steel trim.
Valve boxes	Dylor 664-3 cast iron, three-piece box with Adaptor II rubber stabilizer. Must be made in the U.S.A. To be used where valve vaults cannot be utilized because of conflicts with other utilities and conditions, to be approved by the Director of Public Works.
Corporation stop	Water services shall be of Type K copper, one-inch minimum to two inches in diameter. Anything larger shall be ductile iron pipe. Corporation stops shall be Ford F1000-5Q or AY McDonald 747010Q full port, 1 1/2" in diameter. Saddle by Ford Company, Model ISL, no direct taps allowed.
Curb valve	Curb valves shall be as manufactured by Ford Company, Model #844-XXXM-AL, Minneapolis top thread, AY McDonald 76104Q Full Port.
Curb box	AY McDonald 5623, 1 1/2" in diameter, Minneapolis pattern base. Ford Company EM 26067. All B-boxes shall have a threaded coupling. No alternatives allowed.
Water service tapping sleeve	Ford Company, Model FS-313 or Cascade CS22
Water main pressure tapping sleeve	Cascade Waterworks Mfg. Style CST-EX, Ford FT-SS

- Water main corporation stop abandonment sleeve, Cascade Waterworks Mfg. Style CST-EX
- (O)EX (O)EX (3/4" x 1") (1-1/4" x 2") or Ford FACU.
- Tapping valve shall be a true tapping valve with center ring.
- Water main tracer wire shall be (Neptco-Trace Safe Wire for HDPE and C-900)
- Copper to Copper Fittings - An all Compression couplings are required, no sweat joint or flared connections are allowed. Ford C44-XX or equivalent is the only exception allowed.

Sanitary sewer pipe	PVC SDR 26, ASTM, D-2241, joints D-3212; class 56 ductile iron pipe, in the back and side yards, or as requested by the Director of Public Works.
Sanitary manhole	Precast reinforced concrete, standard 48" (4') in diameter with external chimney seal manufactured by Cretex Specialty Products, asphalt emulsion and exterior joint Mac Wrap or approved equal required for all manholes.
Sanitary manhole frame and grate (in pavement)	In accordance with Section 604 of the Standard Specifications for Road and Bridge Construction as manufactured by Neenah Foundry Company (Heavy Duty R-1713) or East Jordan Iron Works, Inc. (no. 1050), gasketed lids marked Sanitary.
Sanitary manhole frame and grate (in parkway)	In accordance with Section 604 of the Standard Specifications for Road and Bridge Construction as manufactured by Neenah Foundry Company (Heavy Duty R-1713) or East Jordan Iron Works, Inc. (no. 1050), gasketed lids marked Sanitary.
Sanitary sewer service fittings	SDR-26 gasketed wyes with 45 degree bend. Services deeper than six feet (6') shall use risers and riser adaptors or D-2241 tee wye. All services shall be 6" in diameter. Fittings should be SDR-26. Mission coupling shall be ARK, non-shear. CSWRY Cascade Waterworks Mfg. 0863-06RC Sewer Saddle Tee/Wye CSWR7 0863-06RC

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BARRINGTON SCHOOL DISTRICT 220
BHS FINE ARTS SITE IMPROVEMENTS
616 W MAIN ST., BARRINGTON, IL 60010

DATE	DESCRIPTION
07.16.2025	ISSUE
08.14.2025	REV 02
09.04.2025	REV 03
09.28.2025	PUB. SUBMISSION

PROJECT # 2024-135
DATE SEPTEMBER 09, 2025
SHEET TITLE

GENERAL NOTES

SHEET C7.0

PERMIT COVERAGE AND REQUIREMENTS

The management practices, controls and other provisions contained in this Storm Water Pollution Prevention Plan (SWPPP) and any other documents that are referenced herein are incorporated by reference into this permit. The permittee shall be responsible for ensuring that all management practices, controls and other provisions contained in the Illinois Environmental Protection Agency (IEPA) NPDES LRILO permit, and the Illinois Urban Manual, both in effect at the time of the permit, are fully implemented. The permittee shall be responsible for ensuring that all management practices, controls and other provisions contained in the Illinois Environmental Protection Agency (IEPA) NPDES LRILO permit, and the Illinois Urban Manual, both in effect at the time of the permit, are fully implemented. The permittee shall be responsible for ensuring that all management practices, controls and other provisions contained in the Illinois Environmental Protection Agency (IEPA) NPDES LRILO permit, and the Illinois Urban Manual, both in effect at the time of the permit, are fully implemented.

CONSTRUCTION IMPLEMENTATION SCHEDULE

Permittee controls of the site and stabilized construction entrances shall be installed prior to demolition, clearing and grubbing. Permittee controls shall be achieved, maintained until final stabilization of those portions of the site upland of the perimeter control. Existing storm sewer inlets that will function during the construction process should have the sediment control measures installed as indicated prior to any disturbing activities, including demolition and site clearing. In addition, sediment control measures shall be installed in newly constructed inlets immediately after their installation is complete. Erosion control blankets may be used to stabilize the construction areas where the final grade has been reached but cannot be permanently stabilized due to ongoing erosion restrictions. Permanent controls, such as riprap, shall be installed at each storm sewer outlet structure prior to any storm water discharge. Temporary perimeter controls shall only be removed after final stabilization of those portions of the site upland of the perimeter control. Temporary drop-in sediment bags will be installed in all inlets to prevent infiltration of sediment-laden ground water into existing and proposed structures. Sediment bags shall remain in place until placement of base course in paved areas or until vegetation has taken hold. Care shall be taken when removing sediment bags to avoid release of sediment into the storm sewer.

POST-CONSTRUCTION STORM WATER MANAGEMENT

Storm water management devices installed during the construction process to control pollutants in storm water discharges that will occur after construction operations have been completed may include storm water detention structures (including wet ponds), storm water retention structures, flow attenuation by use of open vegetated swales and natural depressions, infiltration of runoff onsite, and sequential systems (either control element practices). Velocity dispersion devices shall be located (i.e., riprap) at discharge locations and along the length of any storm water conveyance system (including culverts). The structural measures shall be placed on upland soils so that the natural physical and biological processes of the site are not disrupted. The structural measures shall be placed on upland soils to the degree attainable. The contractor is responsible for the installation and maintenance of storm water management measures until final stabilization of the site.

SOIL EROSION AND SEDIMENT CONTROLS

The appropriate soil erosion and sediment controls shall be implemented and maintained as soon as possible to maintain NPDES compliance. All proposed or defective temporary sediment and erosion control measures must be repaired or replaced as soon as possible to maintain NPDES compliance.

Unless otherwise indicated, all vegetative and structural erosion and sediment control practices shall be installed according to the Standard Practice. The contractor shall be responsible for the installation of any additional erosion and sediment control measures necessary to prevent erosion and sedimentation as determined by the engineer, owner, or permitting authority.

1. Stabilization Practices

Soil erosion and sedimentation shall be prevented or covered with non-erodible material that is stabilized as indicated on the erosion control plan using procedures in substantial compliance with the Illinois Environmental Protection Agency (IEPA) NPDES LRILO permit. Temporary seeding, permanent seeding, mulching, geotextiles, soil stabilization, vegetative buffer strips, and other erosion and sedimentation control measures shall be installed as soon as possible to maintain NPDES compliance.

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. 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. Exceptions to these time frames are specified below.

- (i) Where the initiation of stabilization measures is precluded by snow cover, stabilization measures shall be initiated as soon as practicable.
- (ii) On areas where construction activity has temporarily ceased and will resume after 14 days, a temporary stabilization method can be used. Temporary stabilization techniques and materials shall be described in the SWPPP.

2. Structural Practices

Structural practices will be utilized to divert flows from exposed soils, store flows or otherwise limit runoff to the discharge point. The discharge point is the area of the site where the storm water is discharged to a water body or to a storm sewer. Structural practices may include silt fences, check dams, check dams, subsurface drains, pipe slope drains, level spreaders, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems, gabions, and temporary or permanent sediment basins.

Structural practices should be placed on upland soils to the degree practicable. The installation of these devices may be subject to Section 404 of the CWA.

- (i) The following design requirements apply to sediment basins if any such structural practices will be installed to reduce sediment concentrations in storm water discharges:
 - a. When discharging from the sediment basin, utilize outlet structures that withdraw water from the surface in order to minimize the discharge.
 - b. Prevent erosion of the sediment basin using stabilization controls (e.g., erosion control blankets) at the inlet and outlet using erosion controls and velocity dispersion devices.
 - c. Sediment basins shall be designed to facilitate maintenance, including sediment removal from the basins, as necessary.
- (ii) The following requirements apply to protecting storm drain inlets:
 - a. Install inlet protection measures that remove sediment from discharges prior to entry into any storm drain inlet that carries stormwater flow from your site to a water of the U.S., provided you have authority to access the storm drain inlet.
 - b. 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 measure, remove the deposited sediment by the end of the same business day in which it is found or by the end of the following business day, if removal by the same business day is not feasible.

OFF-SITE VEHICLE TRACKING

A stabilized pad of appropriate underlayment with filter fabric shall be located at any point where traffic will be entering or leaving the construction site or from a public right-of-way, street, alley, sidewalk, or parking area to help reduce vehicle tracking of sediments. Filters shall be swept on a regular basis to reduce excess sediment. Dirt or stone tracked from the site, accumulated sediment and stone shall be removed from the stabilized construction entrance on a regular basis. Material tracked from such washing area shall be periodically inspected and repaired as necessary throughout the life of the project. Vehicles heading towards material to avoid from the construction site should be covered with a tarp. The stabilized construction entrance shall be installed prior to any soil disturbance (including demolition) and removed prior to any paving.

SOIL CONTROL

As requested, a water truck will be used to limit the amount of dust leaving the site. The following list of control measures may also be implemented on-site to limit the generation of dust on needed Sprinkling/Irrigation, Vegetative cover, Muck, Spray-on soil stabilizers, Tarping, etc.

WASTE MANAGEMENT

No solid materials, including building materials, shall be discharged to protected natural areas, a storm sewer system or waters of the State (except as authorized by a Section 404 permit). All waste materials shall be collected and stored in approved receptacles. No wastes shall be placed in any location other than the approved containers appropriate for the materials being discharged. There shall be no liquid waste deposits into dumpsters or other containers which may leak. Receptacles with deficiencies shall be replaced as soon as possible and the appropriate clean-up procedures shall be used. If necessary, Contractor waste materials shall be buried on-site. Waste disposal shall comply with all local, State and Federal regulations. Hazardous material shall not be stored on site. Any hazardous waste should be disposed of in the manner specified by local or State regulation or by the manufacturer.

MATERIAL STORAGE

Materials and/or contaminants shall be stored in a manner that minimizes the potential to discharge into storm drains or waterways. An on-site area shall be designated for material delivery and storage. All materials kept on-site shall be stored in their original containers with legible labels, and if possible, under a roof or other enclosure. Labels should be replaced if damaged or difficult to read. Bermed-off storage areas are an acceptable control measure to prevent contamination of storm water. MSD sheets shall be available for referencing cleanup procedures. Any release of chemicals/containers shall be immediately cleaned up and disposed of properly. Contractors shall immediately report all spills to the Primary Contact. News shall notify the appropriate agencies, if needed. To reduce the risks associated with hazardous materials on-site, hazardous products shall be kept in original containers unless they are not re-usable. Original labels and MSD data shall be retained on-site at all times. Hazardous materials and all other materials on-site shall be stored in accordance with manufacturer's MSDS and specifications. When disposing of hazardous materials, follow manufacturer's or local or State recommended methods on local, State and Federal regulations.

DE-WATERING OPERATIONS

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. Inlet hoses should be placed in a stabilized sump pit or floored off the surface of the water with a screen in order to limit the amount of sediment intake. Pumping operations shall be discharged to a stabilized area that consists of an energy dissipating device (i.e. stone) on a stabilized surface. Sediment filter bags on a stabilized surface or a sediment removal channel. Adequate erosion controls should be used during de-watering operations or necessary stabilized concrete should be installed to direct water to the desired location as applicable. Additional check dams and sediment control measures may be installed at the outlet area at the discretion of the Primary Contact or Engineer.

SAFETY FACILITIES

To the extent practicable, safety facilities shall be located at a minimum 8 feet from the curb and outlet of each road and in the vicinity of all potential for pollutants entering the drainage system. Erosion and sediment control measures identified in the SWPPP shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ensure that weather erosion control measures are effective in preventing significant pollutants to receiving waters. Locations where vehicles enter or exit the site shall be inspected for evidence of spills and sediment tracking.

CONCRETE WASTE MANAGEMENT

Concrete mixer trucks shall only perform washouts in designated areas. Concrete waste or washout is not allowed in the street or allowed to reach a storm water drainage system or watercourse. A sign shall be posted at each location to identify the washout. Concrete washout areas should be located at least 50 feet from storm water drainage sites or waterways. Concrete washout areas shall be located at least 10 feet behind the curb. If the washout area is adjacent to a paved road, a stabilized entrance as detailed on the erosion control plan shall be installed at each washout area. The washout shall be of sufficient volume to completely contain all liquid and concrete waste materials including enough capacity for anticipated waste of washout. The dried concrete waste material shall be picked up and disposed of properly when 75% of the capacity is reached. Hardened concrete can be properly recycled and reused on-site or hauled off-site on an appropriate facility.

SPILL PREVENTION

Discharges of hazardous substances or oil covered by a spill are not authorized by the LRILO permit. If a spill occurs, notify the Primary Contact immediately. The construction site shall have the capacity to contain, contain and remove spills if they occur. Spills shall be cleaned up immediately in accordance with MSD sheets and shall not be buried on-site or washed into storm sewer drainage inlets.

Spills in excess of Federal Reportable Quantities (as established under 40 CFR Parts 110, 117 or 302) shall be reported to the National Response Center by calling (800) 424-8802. MSDS often include information on Federal Reportable Quantities for materials. Spills of toxic or hazardous materials shall be reported to the appropriate State or local government EPA, regardless of size. When cleaning up a spill, the area shall be level well ventilated and appropriate personal protective equipment shall be used to minimize injury from contact with a hazardous substance.

In addition to proper Waste Management, Concrete Waste Management, Concrete Curing, Vehicle Storage and Maintenance, Material Storage and Sanitary Station protection, the following minimum practices shall be followed to reduce the risk of spills:

- Petroleum products shall be stored in tightly sealed and clearly labeled containers.
- All paint containers shall be tightly sealed and stored when not required for use.
- Excess paint shall be disposed of according to the manufacturer's instructions or State and local regulations and shall not be discharged to the storm sewer.
- Contractors shall follow manufacturer's recommendations for proper use and disposal of materials.

CONCRETE CUTTING

Concrete waste management should be implemented to contain and dispose of saw-cutting slurry. Concrete cutting shall not take place during or immediately after a rainfall event. Waste generated from concrete cutting should be cleaned up and disposed into the concrete washout facility described above.

VEHICLE STORAGE AND MAINTENANCE

When not in use, vehicles utilized in the operation operations of the site shall be stored in a designated upland area away from any natural or created waterways, pond, drainage-way or storm drain. Whenever possible, vehicle maintenance, fueling, and washing will occur off-site. If allowed on-site, vehicle maintenance (including both routine maintenance as well as on-site repairs) shall be made within the designated area to prevent the migration of mechanical fluids (oil, antifreeze, etc.) into watercourses, wetlands or storm drains. Dry pans or absorbent pads shall be used for all vehicle and equipment maintenance activities that involve greases, oil, solvents or other vehicle fluids. Construction vehicles shall be inspected frequently to identify any leaks. Leaks shall be repaired immediately, or the vehicles should be removed from the site. Dispose of all used oil, antifreeze, solvents and other automotive-related chemicals according to manufacturer MSDS instructions. Contractors shall immediately report spills to the Primary Contact.

LOG OF MAJOR GRADING AND CONSTRUCTION ACTIVITIES

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 SWPPP.

NON-STORM WATER DISCHARGES

Unauthorized Discharge: The following non-storm water discharges may be authorized by this permit provided the non-storm water component of the discharge is in compliance with Part IV.D.6 (Non-Storm Water Discharges) of the LRILO permit.

- Discharges from firefighting activities
- Water wash hosing
- Irrigation drainage for vegetative growth for seeding, etc.
- Uncontaminated Runoff

The pollution prevention measures described below will be implemented for non-storm water components of the discharge:

- The fire hydrant water main should not be flushed directly on the exposed area or subgrade of the pavement. Hoses should be used to direct the flow into a stabilized area.
- Erosion due to irrigation of seeding shall be minimized.

Prohibited Discharges

The following non-storm water discharges are prohibited by this permit:

- Concrete and wastewater from washout of concrete (unless mitigated by an appropriate control) without and cleanup of sludge, paint, form release oils, curing compounds and other construction materials, fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance.
- Soap, solvents, detergents, and other cleaning agents.
- Toxic or hazardous substances from a spill or other release.

DISCHARGES TO RECEIVING WATERS WITH AN APPROVED TMDL

Discharges to waters for which there is an approved Total Maximum Daily Load (TMDL) permit unless the owner/operator develops and certifies a SWPPP that is consistent with discharges listed in the TMDL. To be eligible for coverage under the LRILO permit unless the owner/operator develops and certifies a SWPPP that is consistent with discharges listed in the TMDL, if a specific numerical allocation has been established that would apply to the project's discharge with the TMDL, any limitations established in the TMDL, if a specific numerical allocation has been established that would apply to the project's discharge necessary steps to meet it.

INSPECTIONS

Qualified personnel (provided by the permittee or contractor- see Table 1) shall inspect discharge points and other areas of the site to ensure that all erosion and sediment control measures, and locations where vehicles enter or exit the site at least once every seven calendar days, and within 24 hours of the end of a storm event or by the end of the following business or work day that is 0.5 inches or greater. Inspections may be reduced to once per week during construction activities have ceased due to frozen conditions (when ground and/or air temperatures are at or below 32°F), heavy rain, or other conditions that make inspections impractical or unsafe to conduct, or if there is a 0.5 inches or greater rain event, or a discharge event.

Disturbed areas 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 SWPPP shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ensure that weather erosion control measures are effective in preventing significant pollutants to receiving waters. Locations where vehicles enter or exit the site shall be inspected for evidence of spills and sediment tracking.

Based on the results of the inspection, the description of potential pollutant sources identified in the SWPPP and the pollution prevention control measures identified in the SWPPP shall be observed to ensure that they are operating correctly. Such modifications shall provide for timely implementation of any necessary measures.

A report summarizing the scope of the inspection, name(s) and qualifications of the inspector, the date of the inspection, the results of the inspection, and any observations related to the implementation of the SWPPP, and actions taken in accordance with the SWPPP shall be prepared and submitted to the Primary Contact at the construction site for at least three years from the date of the inspection. The report shall be prepared and submitted to the Primary Contact at the construction site. The reports shall be signed in accordance with the LRILO permit. (i) Copying or reproducing any report or other documents under any conditions that delay inspections shall be documented in the inspection report.

The permittee (or qualified inspector) shall notify the appropriate Agency Field Operations Section office by email at spdan@compcorp.com, telephone or fax within 24 hours of any incidence of non-compliance for any violation of the storm water pollution prevention plan observed during any inspection conducted.

The permittee (or qualified inspector) shall complete and submit within 5 days of the date of any non-compliance (i) a report for any violation of the SWPPP observed during an inspection conducted, including those not required by the SWPPP; suspension and/or a fine imposed by the EPA and indicate specific information on the cause of non-compliance, actions which were taken to prevent any further causes of non-compliance, and a statement indicating any environmental impact, which may have resulted from the non-compliance.

Corrective actions shall be undertaken immediately to address the identified non-compliance issue(s).

- All reports of non-compliance shall be signed by a responsible authority as defined in Part IV.G (Signatory Requirements).
- After the initial contact has been made with the appropriate Agency Field Operations Section Office, all reports of non-compliance shall be mailed to the EPA at the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control
Compliance Assurance Section
1021 North Grand Avenue East
Park Springfield, Illinois 62794-9276

CORRECTIVE ACTIONS

The Contractor must take corrective actions to address any of the following conditions identified on site:

- (i) A stormwater control needs repair or replacement.
- (ii) A stormwater control necessary to comply with the requirements of this permit was never installed or was installed incorrectly.
- (iii) Site discharges are causing an excess of excess of applicable water quality standards.
- (iv) A prohibited discharge has occurred.

Corrective Actions shall be completed as soon as possible and documented within seven (7) days in an inspection report or report of non-compliance. If it is feasible to complete the installation or repair within 7 calendar days, you must document in your reports when you complete the installation or repair within the 7-day timeframe and document your schedule for installing the stormwater control(s) and making it operational as soon as feasible after the 7-day timeframe.

BOOKKEEPING

The permittee shall retain copies of the SWPPP and all reports and notices required by the LRILO permit, and copies of all data used to complete the Notice of Intent to be covered by the LRILO permit, for a period of at least three years from the date that the permit covers expires or is terminated unless extended by request of the IEPA. In addition, the contractor shall retain a copy of the SWPPP required by the LRILO permit at the construction site from the date of project initiation to the date of final stabilization.

KEEPING PLANS CURRENT

The permittee or contractor shall amend the SWPPP whenever there is a change in design, construction, operation, or maintenance, which has a significant effect on the potential for discharge of pollutants to Waters of the State and which has not otherwise been addressed in the SWPPP or if the SWPPP proves to be ineffective in eliminating or adequately managing pollutants, or in otherwise achieving the permit objectives of controlling pollutants in storm water discharges associated with construction site activity. In addition, the SWPPP shall be amended to identify any new contractor and/or subcontractor that will implement a measure of the SWPPP by signing the contractor's certification statement. The SWPPP and site map must be modified within 7 days for any changes to construction plans, stormwater controls, or other activities of the site that are no longer accurately reflected in the SWPPP. Any revisions of the documents for the SWPPP shall be kept on site at all times.

FINAL STABILIZATION

Final Stabilization has occurred when all soil disturbing activities at the site have been completed, and either of the two following conditions have been met:

- (i) A uniform (e.g., evenly distributed, without large bare areas) perennial vegetative cover with a density of 70% of the native background vegetative cover for the area has been established on all exposed areas and areas not covered by permanent structures, or
- (ii) Equivalent permanent stabilization measures (such as the use of riprap, gabions or geotextiles) have been employed.

For individual lots in residential construction, final stabilization has occurred when either:

- (i) The homeowner has completed final stabilization as specified above, or
- (ii) The homeowner has established temporary stabilization including permanent controls for individual lot prior to occupation of the home by the homeowner and informing the homeowner of the need to, and the benefits of, final stabilization.

When the site has been finally stabilized and all storm water discharges from construction sites that are authorized by the LRILO permit are eliminated, the permittee of the facility must submit a completed Notice of Termination that is signed in accordance with Part IV.G (Signatory Requirements) of the LRILO permit. Elimination of storm water discharges associated with industrial activity means that all disturbed soils at the identified facility have been finally stabilized and permanent erosion and sediment control measures have been removed. All be removed of all construction activities from the identified site that are authorized by a NPDES general permit have been eliminated.

BMP Operation and Maintenance

Silt Fences

Silt fences shall be removed when they have served their usefulness, but not before the upslope areas have been permanently stabilized.

Silt fences shall be inspected immediately after each rainfall and at least daily during prolonged rainfall.

Should the fabric, discharge or become ineffective prior to the end of the expected usable life and the fence still is necessary, the fabric or the entire system shall be replaced promptly.

Sediment deposits should be removed after each rainfall. They must be removed when the level of deposition reaches approximately one-half the height of the silty material.

Any sediment deposits remaining in place after the silt fence is no longer required shall be pressed to conform to the existing grade, a seedbed prepared, and the site revegetated.

Stabilized Construction Entrances

The entrance shall be maintained in a condition that will prevent tracking of sediment into public right-of-ways or streets. This may require periodic top dressing with additional aggregate. All sediment spilled, dropped, or washed into public right-of-ways must be removed immediately. Periodic inspection and needed maintenance shall be provided after each rain.

Inlet Protection

Each inlet protection practice or device shall be inspected after every runoff event. Accumulated sediment shall be removed per manufacturer's directions but not less than what the capacity of the device has been reduced by half. Sediment that has not been removed shall be placed such that it will not reenter the storm drain system.

Repairs or replacement of inlet protection devices shall be made immediately.

For devices to be kept in place in the winter season, areas shall be cleared of any sediment accumulation and prepared or protected for snow removal operations.

Erosion Control Blankets

Inspect all erosion control blankets periodically and after rainstorms to check for damage due to water running under the blanket or if the blankets that have been displaced by wind. Any areas where water seeps under the blanket, more staples may be needed per given area or more frequent anchoring techniques installed with better compaction. If significant erosion has occurred under the blanket, regrading and reseeded may also be necessary. Any erosion control blankets that have been displaced will need to be re-installed and re-stapled. This may indicate that the wrong type of blanket was chosen. One may need to revisit the site characteristics and their select a different type of erosion control blanket or choose a different practice.

Temporary Concrete Washout Facility

Temporary concrete washout facilities shall be maintained to provide adequate holding capacity with a minimum freeboard of 100 mm (4 in.) for above grade facilities and 300 mm (12 in.) for below grade facilities. Maintaining temporary concrete washout facilities shall include regrading and disposing of hardened concrete or slurry and returning the facilities to a functional condition.

Existing facilities must be cleaned, or new facilities must be constructed and ready for use once the washout is two-thirds full.

Temporary concrete washout facilities shall be inspected for damage (e.g. tears in plastic liner, missing sand bags, etc.). Damaged facilities shall be repaired promptly.

Portable Sediment Trap

The tank shall be cleaned out when one-third of the storage volume is filled with sediment. All sediment collected in the tank shall be disposed of in an approved sediment trapping device (i.e. temporary sediment trap) or on the construction site or as approved by the engineer/inspector.

Temporary Sediment Trap

Inspect temporary sediment traps after each period of significant rainfall. Remove sediment and restore the trap to its original dimensions when the sediment has accumulated to one-half the design depth at the permit location. Place the sediment that is removed in the designated disposal area and replace the contaminated part of the gravel facing.

Check the structure for damage from erosion or piping. Periodically check the depth of the roadway to ensure it is a minimum of 1.5 feet below the low point of the embankment to slightly above the design grade. Any rip rap displaced from the roadway must be replaced immediately.

After all sediment-producing areas have been permanently stabilized, remove the structure and all unstable sediment. Smooth the area to blend with the adjoining areas and stabilize property.

Ditch Check (Manufactured)

Manufactured ditch check must be inspected every 7 days and after each 1/2" rainfall or snow melt.

Sediment shall be removed from the upstream of the ditch check when sediment has reached the height of the ditch check. Inspect any fabric for tears or stitching after the sediment is removed and repair or replace immediately. Additional requirements may apply per manufacturer specifications or permit requirements.

Products shall be maintained in some condition on when installed. Rolled erosion control ditch checks must be replaced whenever tears, splits, unraveling or compressed straw or excelsior is apparent.

Any fabric used as a base or apron underneath the plastic geomembrane or synthetic geomembrane control structure ditch checks that is torn or displaced must be replaced or repaired.

Remove debris (litter, sticks, etc.) when observed.

Water or sediment going around the ditch check indicates incorrect installation or maintenance is required. The flow of water over the center of the ditch check or through the device must be reestablished. The manufactured ditch check may need length up the side slope, sediment removed from joints, or the flow velocities are too great for the type of ditch check.

Manufactured ditch checks are not designed to be a part or are not designed to be part of the permanent storm water management system. Their material is not designed to be incorporated into soil once they have reached their useful life.

Remove manufactured ditch checks once all upslope areas are stabilized, and seeds or ditch stabilization is complete. The biodegradable form of plastic permeable ditch checks can be left in place on top of the permanent stabilization such as blankets to provide velocity reductions, provided they are not a hazard to moving operations. Vegetated ditch checks may remain in place within the ditch or beside it until vegetation is deemed such as in the case of establishing a vegetated swale.

Rock Check Dam

On active construction sites, the rock check dams shall be inspected at least once every 7 days and within 24 hours of a rainfall of 0.5 inches or more. If any erosion has taken place around the or below the rock check dam or if rocks have been dislodged, repairs shall be made to prevent further damage. Sediment shall be removed from the check dam to one-half the height of the rock check dam. The center of the rock check dam shall also be inspected periodically to ensure that the center of the dam is lower than the sides.

Unless they will be incorporated into permanent stormwater management control, rock check dams must be removed when useful life has been completed. In temporary ditches and swales, rock check dams should be removed, and the ditch regraded, once the sediment has been removed. All be removed of all construction activities from the identified site that are authorized by a NPDES general permit have been eliminated.

For rock check dams that are made a part of stormwater management control, permit inspections should be made at least once every 7 days and after each rainfall of 0.5 inches or more. If any erosion has occurred around or below the dam and if any rock has been dislodged, immediately make all needed repairs to prevent further damage. If sediment trapping is to be a continuing function of the rock check dam, the sediment shall be removed when it has accumulated to one-half the depth of the rock check dam.

Rock Outlet Protection

Inspect outlet structures after heavy rains to see if any erosion around or below the structure has taken place or if stones have been dislodged. Immediately make all needed repairs.

Geotextiles

Inspect for evidence of inspection shall depend on the de-watering method, amount of discharge, potential damage, and quality of the receiving bodies of water.

- 1. Inspections shall be conducted to ensure proper operation and compliance with any permits or water standards.
- 2. Accumulated sediment shall be removed from the flow area and temporary diversions shall be repaired, as required.
- 3. Outlet areas shall be checked, and repairs shall be made in a timely manner, as needed.
- 4. Pump outlets shall be inspected for erosion, and pumps shall be inspected for accumulated sediment.
- 5. Dewatering bags shall be stopped and replaced when half full of sediment or when the pump discharge has reduced to an inoperative rate.
- 6. If the receiving area is showing any signs of steady water erosion, or sediment accumulation, discharges shall be stopped immediately until safety and permanent damage concerns have been addressed.
- 7. Sediment shall be disposed in accordance with all applicable laws and regulations.

Discharges from Dewatering Activities

Discharges from dewatering activities, including from dewatering of trenches and excavations, are discharges and should be managed by appropriate controls:

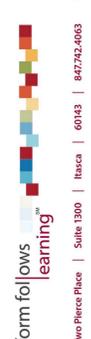
- Dewatering discharges shall be treated or contained to minimize discharge of pollutants.
- The discharge shall not include visible floating solids or foam.
- An oil-water separator (or suitable filtration device) shall be used to treat oil, grease, or other similar products if dewatering water is found to contain these materials.
- To the extent feasible, use vegetated, upland areas of the site to infiltrate dewatering water before discharging.
- Backwash water (water used to clean any filters used as a part of stormwater treatment) must be properly treated or hauled off site for disposal.
- Dewatering treatment devices shall be properly maintained as described above.

Natural Buffers

For any stormwater discharges from construction activities within 50 feet of a Water of the United States, except for activities for water-dependent structures authorized by a Section 404 permit, the permittee shall:

- (i) Provide a 50-foot undisturbed natural buffer between the construction activity and the Waters of the United States, or
- (ii) Provide additional erosion and sediment controls within that area.

TABLE 1	
ACTION	RESPONSIBLE PARTY
Provide qualified personnel for weekly and 0.5 inch rain event inspections	Contractor <input type="checkbox"/> Permittee/Owner <input type="checkbox"/>
Install and maintain erosion control practices and address Corrective Actions	Contractor <input type="checkbox"/>



625 Forest Edge Drive • Vernon Hills, IL 60069
Tel. 847.478.9700 • Fax 847.478.9701

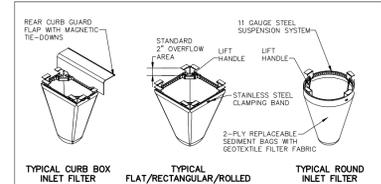
BARRINGTON SCHOOL DISTRICT 220
BHS FINE ARTS SITE IMPROVEMENT, BARRINGTON, IL 60010
616 W MAIN ST., BARRINGTON, IL 60010

DATE	DESCRIPTION
07/18/2025	25% CD
08/13/2025	50% CD
09/08/2025	75% CD
09/28/2025	Final Submission

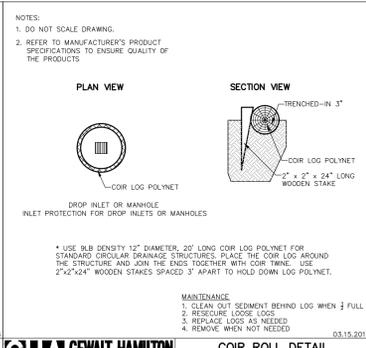
PROJECT # 2024-175
ISSUE # 1 SEPTEMBER 26, 2025

SHEET TITLE SWPPP NOTES

SHEET C8.0



Material Property	Test Method	Units (Imp. / Metric)	Value (Imp. / Metric)
Filter Fabric Bag Specs (20' x 30')			
Soil Tensile	ASTM D 4833	lbs / kN	300 / 133
Puncture Strength	ASTM D 4833	65 lbs / 30 kN	
Tensile Strength	ASTM D 4833	45 lbs / 20 kN	
UV Resistance	ASTM D 4355	2000 at 500 hrs	90%
UV Resistance	ASTM D 4789	70 hrs	50 hrs
App. Open Size (40%)	ASTM D 4491	(210 mm) (425 mm)	
Permeability	ASTM D 4491	(210 mm) (425 mm)	
Water Flow Rate	ASTM D 4491	1145 gpm/ft ²	149 gpm/ft ²
Filter Fabric Attachment			
Weight	ASTM D 3779	4.55 oz/sq yd @ 1.15% stretch	
Thickness		0.02" - 0.03"	
Frame Construction			
ASTM Structural Steel	ASTM A 375	Tensile Strength > 58,000 psi	
1.1. Gauge, 2.1.2. Post		Yield Strength > 36,000 psi	

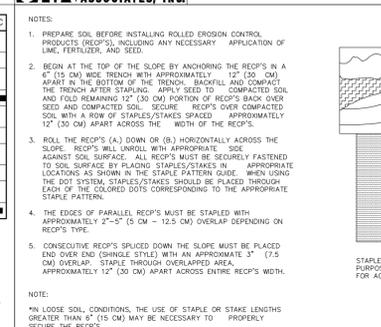


INLET FILTER BASKET DETAIL

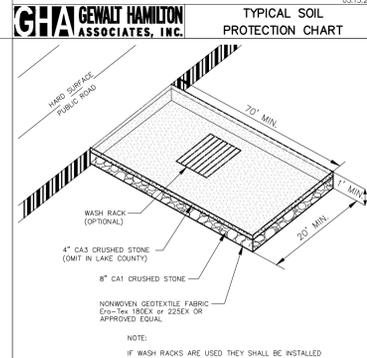
COR ROLL DETAIL INLET PROTECTION

Stabilization Type:	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Permanent Seeding		A			X	X	X	X	X			
Dormant Seeding	B											
Temporary Seeding		C			X	X	X	X	X			
Sodding		E	X	X								
Mulching		F										

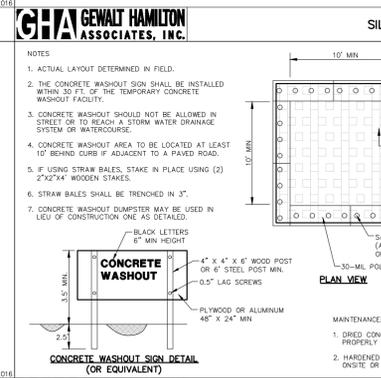
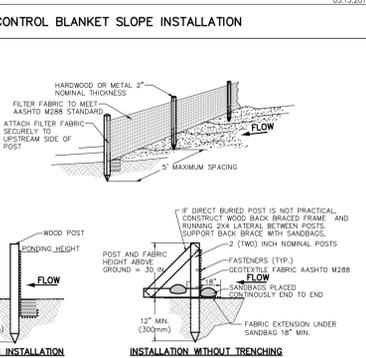
A = KENTUCKY BLUEGRASS @ 80 LBS/AC. MIXED WITH PERENNIAL RYEGRASS @ 30 LBS/AC.
 B = KENTUCKY BLUEGRASS @ 135 LBS/AC. MIXED WITH PERENNIAL RYEGRASS @ 45 LBS/AC.
 C = SPRING GRASS @ 100 LBS/AC.
 D = WHEAT OR CEREAL RYE @ 150 LBS/AC.
 E = SO
 F = STRAW MULCH (HYDROMULCH OR USE STRAW BLANKET) @ 2 TONS/AC.
 XXX = IRRIGATION NEEDED.
 IRRIGATION SHOULD BE PROVIDED AS NECESSARY TO THOROUGHLY ESTABLISH INTENDED GROWTH.
 NOTES:
 *IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 CM) MAY BE NECESSARY TO PROPERLY SECURE THE RECP'S.



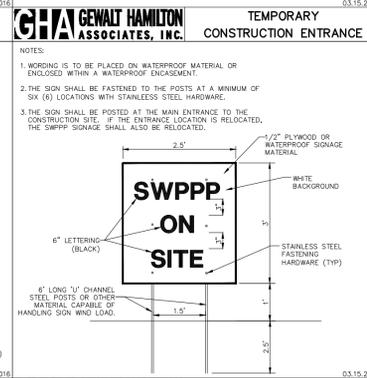
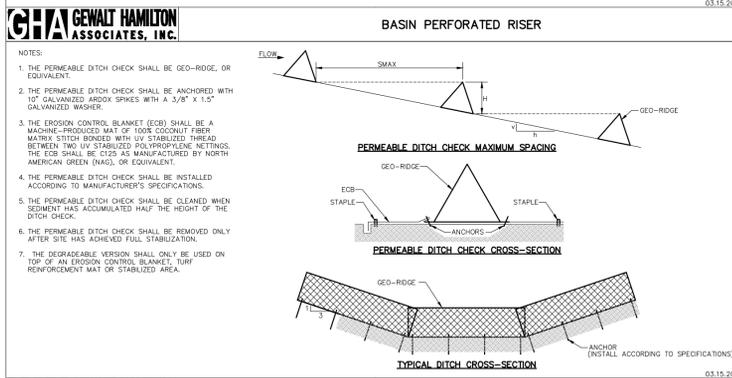
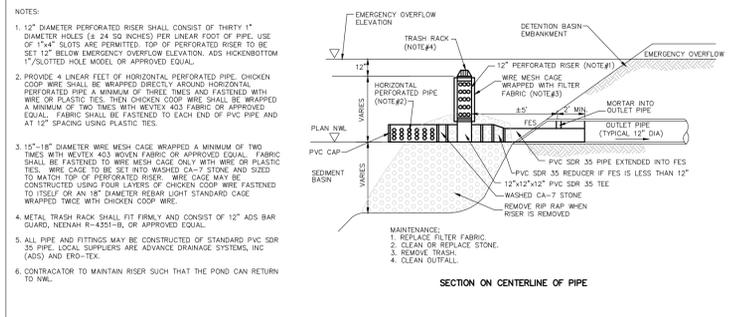
EROSION CONTROL BLANKET SLOPE INSTALLATION



PROPERTY	TEST PROCEDURE
Grab Elongation	
Machine Direction	ASTM D-4533 123 lbs
X-Machine Direction	ASTM D-4533 101 lbs
Permeability	ASTM D-4491 0.05 sec ⁻¹
A.S.O.	ASTM D-4751 30 U.S. Sieve
UV Stability	ASTM D-4355 70%



CONCRETE WASHOUT



SWPPP SIGNAGE

NOTES:
 1. 12" DIAMETER PERFORATED RISER SHALL CONSIST OF THIRTY 1" DIAMETER HOLES (± 24 50 INCHES) PER LINEAR FOOT OF PIPE. USE OF 1/4" HOLES ARE FORNITED. TOP OF PERFORATED RISER TO BE SET 12" BELOW EMERGENCY OVERFLOW ELEVATION. ADD HOLES/BOTTOM 1/2" SLOTTED HOLE MODEL OR APPROVED EQUAL.
 2. PROVIDE 4 LINEAR FEET OF HORIZONTAL PERFORATED PIPE. CHICKEN COOP WIRE SHALL BE WRAPPED DIRECTLY AROUND HORIZONTAL PERFORATED PIPE A MINIMUM OF THREE TIMES AND FASTENED WITH WIRE OR PLASTIC TIES. THEN CHICKEN COOP WIRE SHALL BE WRAPPED A MINIMUM OF TWO TIMES WITH MEXTEX 403 FABRIC OR APPROVED EQUAL. FABRIC SHALL BE FASTENED TO EACH END OF PVC PIPE AND AT 12" SPACING USING PLASTIC TIES.
 3. 15"-18" DIAMETER WIRE MESH CAGE WRAPPED A MINIMUM OF TWO TIMES WITH MEXTEX 403 WOVEN FABRIC OR APPROVED EQUAL. FABRIC SHALL BE FASTENED TO WIRE MESH CAGE ONLY WITH WIRE OR PLASTIC TIES. WIRE CAGE TO BE SET INTO MORTAR CA-1 STONE AND SIZED TO MATCH TOP OF PERFORATED RISER. WIRE CAGE MAY BE CONSTRUCTED USING FOUR LAYERS OF CHICKEN COOP WIRE FASTENED TO ITSELF OR AN 18" DIAMETER REBAR LIGHT STANDARD CAGE WRAPPED TWICE WITH CHICKEN COOP WIRE.
 4. METAL TRASH RACK SHALL FIT FIRMLY AND CONSIST OF 12" ADS BAR GUARD, NENMAM R-4201-B, OR APPROVED EQUAL.
 5. ALL PIPE AND FITTINGS MAY BE CONSTRUCTED BY STANDARD PVC SDR 35 PIPE. LOCAL SUPPLIERS ARE ADVANCE DRAINAGE SYSTEMS, INC (ADS) AND ERD-TEK.
 6. CONTRACTOR TO MAINTAIN RISER SUCH THAT THE POND CAN RETURN TO NWL.

NOTES:
 1. WORKING IS TO BE PLACED ON WATERPROOF MATERIAL OR ENCLOSED WITHIN A WATERPROOF ENCASMENT.
 2. THE SIGN SHALL BE FASTENED TO THE POSTS AT A MINIMUM OF SIX (6) LOCATIONS WITH STAINLESS STEEL HARDWARE.
 3. THE SIGN SHALL BE POSTED AT THE MAIN ENTRANCE TO THE CONSTRUCTION SITE. IF THE ENTRANCE LOCATION IS RELOCATED, THE SWPPP SIGNAGE SHALL ALSO BE RELOCATED.
 4. 2" PLYWOOD OR WATERPROOF SIGNAGE MATERIAL
 5. WHITE BACKGROUND
 6. 6" LETTERING (BLACK)
 7. STAINLESS STEEL FASTENING HARDWARE (TYP)
 8. 6" LONG 1/2" CHANNEL STEEL POSTS OR OTHER MATERIAL, CAPABLE OF HANDLING SIGN WIND LOAD.

GEO-RIDGE PERMEABLE DITCH CHECK

SWPPP SIGNAGE

DEA
ARCHITECTS
www.dea-ill.com

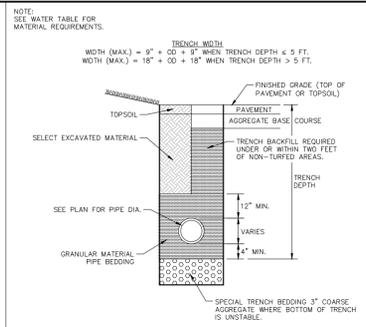
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GHA GEWALT HAMILTON ASSOCIATES, INC.
625 Forest Edge Drive • Vernon Hills, IL 60061
Tel: 847.478.9700 • Fax: 847.478.9701

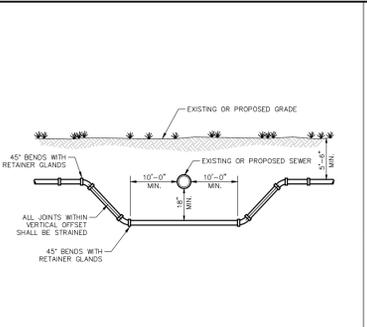
BARRINGTON SCHOOL DISTRICT 220
BHS FINE ARTS SITE IMPROVEMENTS
616 W MAIN ST., BARRINGTON, IL 60010

DATE	DESCRIPTION
07/15/2025	25% CD
08/15/2025	50% CD
09/15/2025	75% CD
09/25/2025	PUB. SUBMISSION

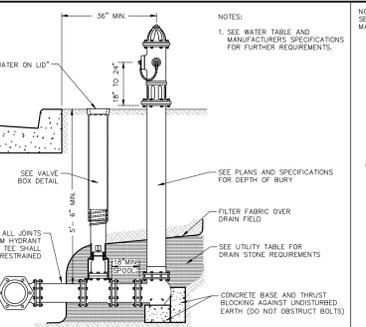
PROJECT # 2024-135
DATE SEPTEMBER 08, 2025
SHEET TITLE SWPPP DETAILS
SHEET C9.0



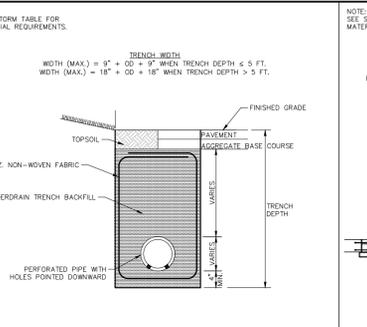
GEWALT HAMILTON ASSOCIATES, INC. WATER MAIN TRENCH 04.02.2021



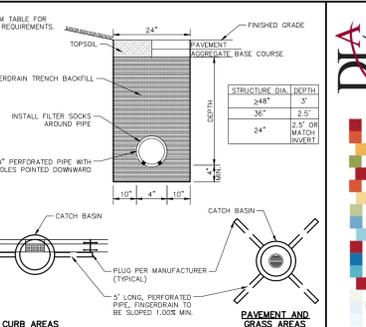
GEWALT HAMILTON ASSOCIATES, INC. HORIZONTAL WATER MAIN SEPARATION 04.02.2021



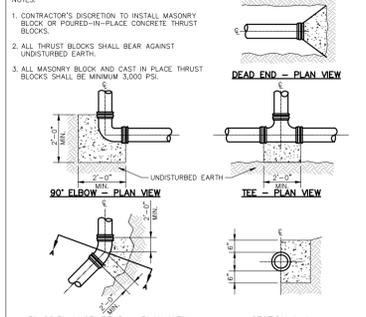
GEWALT HAMILTON ASSOCIATES, INC. FIRE HYDRANT 03.17.2021



GEWALT HAMILTON ASSOCIATES, INC. STORM UNDERDRAIN DETAIL 04.02.2021



GEWALT HAMILTON ASSOCIATES, INC. FINGER DRAIN DETAIL 03.15.2016



GEWALT HAMILTON ASSOCIATES, INC. THRUST BLOCKING 03.17.2021

VERTICAL SEPARATION REQUIREMENTS

CROSSING	REQUIRED VERTICAL SEPARATION	ADDITIONAL REQUIREMENTS (SELECT ONE)
WATER OVER SEWER	WATER INVERT ≥ 18" ABOVE CROWN OF SEWER	VERTICAL SEPARATION < 18" 1. WATER OR SEWER TO BE ENCASED FOR A MINIMUM DISTANCE OF 10' FROM THE EDGE OF PIPE, ON EITHER SIDE, PERPENDICULAR TO THE CROSSING. 2. SEWER TO BE WATER MAIN CLASS PIPE FOR A DISTANCE OF 10' FROM THE EDGE OF PIPE ON EITHER SIDE PERPENDICULAR TO THE CROSSING.
SEWER OVER WATER	SEWER INVERT ≥ 18" ABOVE CROWN OF WATER (SEWER INVERT < 18" ABOVE CROWN OF WATER NEVER ALLOWED)	VERTICAL SEPARATION < 18" (NEVER ALLOWED) 1. WATER OR SEWER TO BE ENCASED FOR A MINIMUM DISTANCE OF 10' FROM THE EDGE OF PIPE ON EITHER SIDE PERPENDICULAR TO THE CROSSING. 2. SEWER TO BE WATER MAIN CLASS PIPE FOR A DISTANCE OF 10' FROM THE EDGE OF PIPE ON EITHER SIDE PERPENDICULAR TO THE CROSSING.

HORIZONTAL SEPARATION REQUIREMENTS

REQUIRED HORIZONTAL SEPARATION	ADDITIONAL REQUIREMENTS
10' OF LATERAL SEPARATION FROM EDGE OF PIPE TO EDGE OF PIPE	HORIZONTAL SEPARATION < 10' 1. WATER INVERT 18" ABOVE CROWN OF SEWER. HORIZONTAL SEPARATION < 10' & VERTICAL SEPARATION < 18" SEWER CONSTRUCTED WITH WATER MAIN CLASS PIPE (SEE VERTICAL SEPARATION REQUIREMENTS) AND PRESSURE TESTED TO THE MAXIMUM EXPECTED SURCHARGE PRIOR TO BACKFILLING.

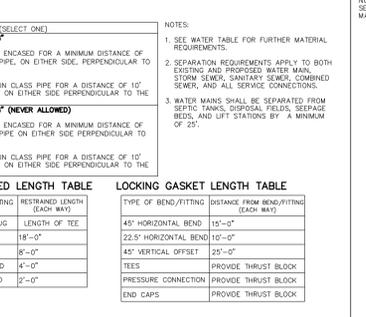
RESTRAINED LENGTH TABLE

TYPE OF FITTING	RESTRAINED LENGTH (EACH WAY)
TEE AND PLUG	LENGTH OF TEE
90° BEND	18'-0"
45° BEND	8'-0"
22 1/2° BEND	4'-0"
11 1/4° BEND	2'-0"

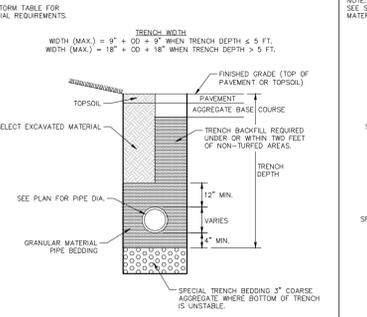
LOCKING GASKET LENGTH TABLE

TYPE OF BEND/FITTING	DISTANCE FROM BEND/FITTING (EACH WAY)
45° HORIZONTAL BEND	15'-0"
22.5° HORIZONTAL BEND	10'-0"
TEES	PROVIDE THRUST BLOCK
45° VERTICAL OFFSET	25'-0"
PRESSURE CONNECTION	PROVIDE THRUST BLOCK
END CAPS	PROVIDE THRUST BLOCK

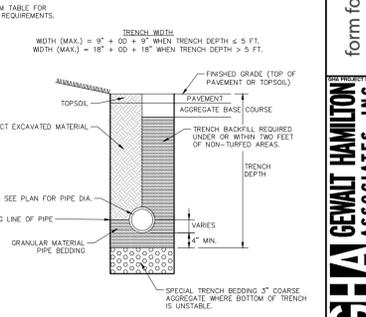
GEWALT HAMILTON ASSOCIATES, INC. WATER MAIN INSTALLATION AND SEPARATION REQUIREMENTS 04.02.2021



GEWALT HAMILTON ASSOCIATES, INC. STORM TRENCH DETAIL FLEXIBLE PIPE INSTALLATION 04.02.2021



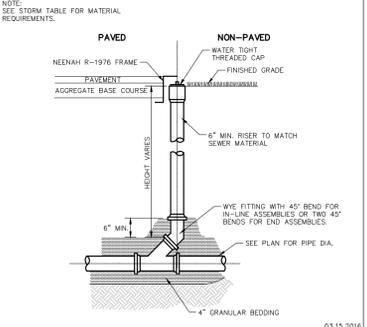
GEWALT HAMILTON ASSOCIATES, INC. STORM TRENCH DETAIL RIGID PIPE INSTALLATION 04.02.2021



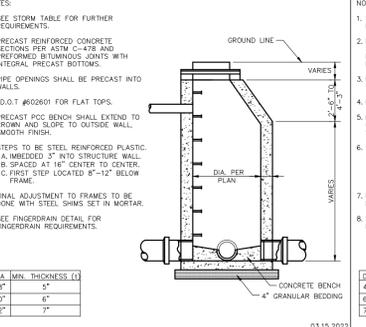
GEWALT HAMILTON ASSOCIATES, INC. STORM TRENCH DETAIL RIGID PIPE INSTALLATION 04.02.2021



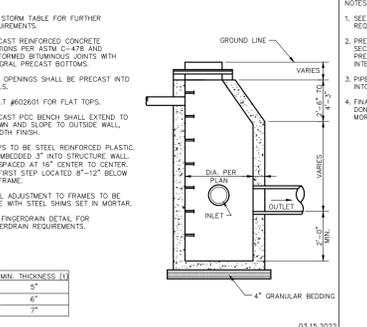
GEWALT HAMILTON ASSOCIATES, INC. STORM SEWER CLEAN-OUT DETAIL 03.15.2016



GEWALT HAMILTON ASSOCIATES, INC. STORM MANHOLE TYPE A WITH FINGER DRAINS 03.15.2022



GEWALT HAMILTON ASSOCIATES, INC. CATCH BASIN TYPE A WITH FINGER DRAINS 03.15.2022



GEWALT HAMILTON ASSOCIATES, INC. INLET TYPE A 03.15.2016



GEWALT HAMILTON ASSOCIATES, INC. SANITARY MANHOLE 03.15.2022



GEWALT HAMILTON ASSOCIATES, INC. SANITARY TRENCH DETAIL 04.02.2021

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 Tel. 847.478.9700 • Fax 847.478.9701

BARRINGTON SCHOOL DISTRICT 220
 BHS FINE ARTS SITE IMPROVEMENTS
 616 W MAIN ST., BARRINGTON, IL 60010

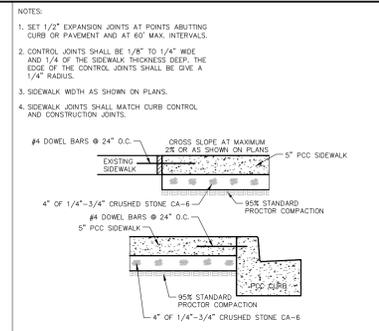
DATE	DESCRIPTION
07.10.2023	25% CD
08.15.2023	SCR 05
09.06.2023	75% CD
09.28.2023	PUB. SUBMISSION

PROJECT # 2024.135
 DATE SEPTEMBER 28, 2023
 SHEET TITLE

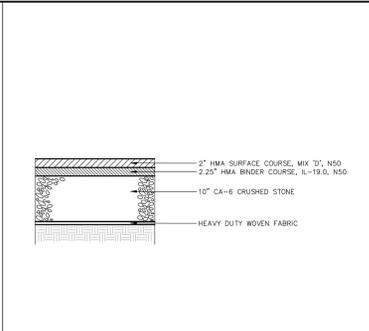
DETAILS

SHEET

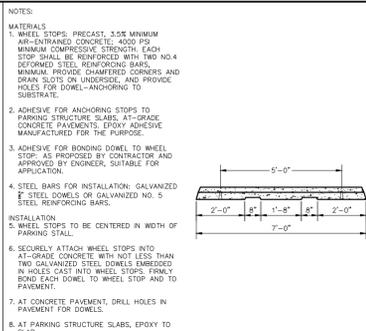
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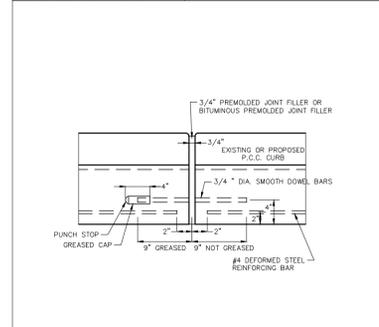
GEWALT HAMILTON ASSOCIATES, INC. PCC SIDEWALK DETAIL 10.05.2021



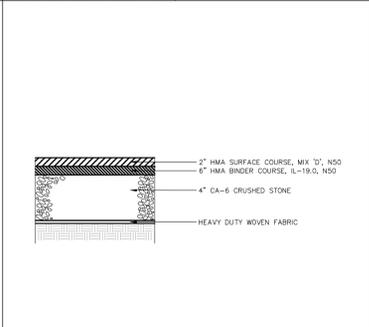
GEWALT HAMILTON ASSOCIATES, INC. LIGHT DUTY PAVEMENT DETAIL 02.01.2021



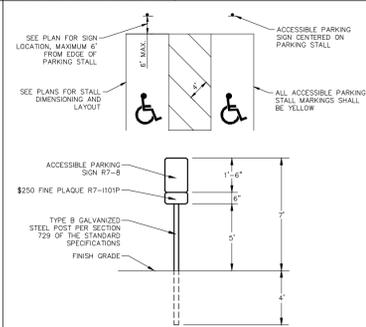
GEWALT HAMILTON ASSOCIATES, INC. WHEEL STOP 10.12.2016



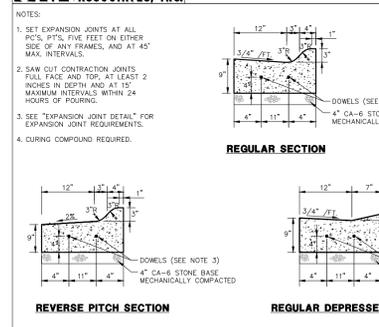
GEWALT HAMILTON ASSOCIATES, INC. EXPANSION JOINT DETAIL 10.12.2016



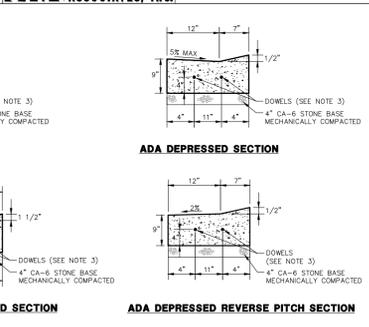
GEWALT HAMILTON ASSOCIATES, INC. HEAVY DUTY PAVEMENT DETAIL 02.01.2021



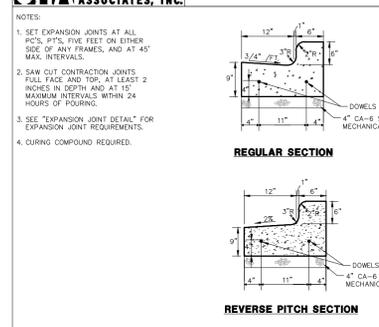
GEWALT HAMILTON ASSOCIATES, INC. ACCESSIBLE PARKING DETAIL 11.27.2016



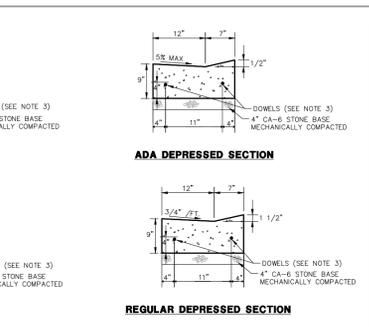
GEWALT HAMILTON ASSOCIATES, INC. M3.12 CURB & GUTTER 11.15.2020



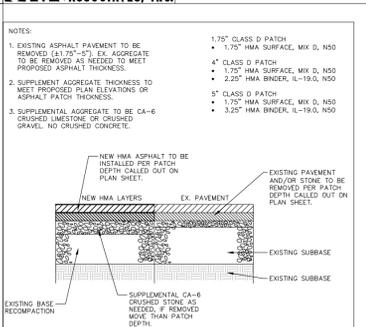
GEWALT HAMILTON ASSOCIATES, INC. CLASS D PATCH DETAIL, VARIABLE DEPTH 10.12.2016



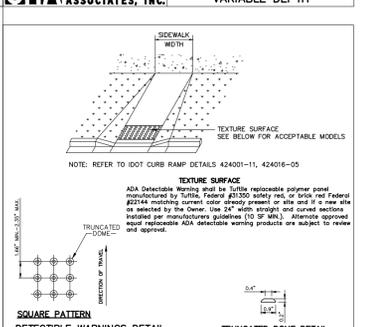
GEWALT HAMILTON ASSOCIATES, INC. M3.12 CURB & GUTTER 02.01.2021



GEWALT HAMILTON ASSOCIATES, INC. ADA DETECTABLE WARNING TILE 02.01.2021



GEWALT HAMILTON ASSOCIATES, INC. CLASS D PATCH DETAIL, VARIABLE DEPTH 10.12.2016



GEWALT HAMILTON ASSOCIATES, INC. ADA DETECTABLE WARNING TILE 02.01.2021

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BARRINGTON SCHOOL DISTRICT 220
 BHS FINE ARTS SITE IMPROVEMENTS
 616 W MAIN ST., BARRINGTON, IL 60010

DATE	DESCRIPTION
07.15.2021	ISSUE
08.15.2021	REV. 02
09.08.2021	REV. 03
09.29.2021	PUB. SUBMISSION

PROJECT # 2024.175
 DATE SEPTEMBER 29, 2025
 SHEET TITLE

DETAILS

SHEET

C10.1