

Title	Hamilton Reservoir	11/21/2022
	by Jim Holder in Member District ADA Project Request	id. 33421357
	250 E Wood Street Palatine, Illinois 60067 United States 847-705-5131 ADAProjects@palatineparks.org	

Original Submission 11/21/2022

Name	James E Holder
Job Title	Superintendent of Parks & Planning
E-mail Address	adaprojects@palatineparks.org
Phone Number	847-705-5131
Park District	Palatine
Project Location	Hamilton Reservoir
Project Status	New
Project Type	Routes and Surfaces
Routes and Surfaces- select a Project Category below:	Accessible Routes- Means of Egress Walking Surfaces
Benefits of the Project	Allows individuals with mobility issues to access the park and facility from the neighborhood. It also includes two additional handicapped parking areas to access the park site amenities.
Items that will become ADA Compliant	Access to park amenities
The project is designed or constructed, or applies human resources, to comply with:	The 2010 Standards for Accessible Design The Illinois Accessibility Code Agency's ADA Transition Plan

Upload Project Related Files, Photos, Videos or Audio

[00_Hamilton_ADA_Calculations.pdf](#)

[01_Hamilton_ADA_Pathway.pdf](#)

[02_GHA_ContractPavingProfServices.pdf](#)

[03_Hamilton_Bid.pdf](#)

[04_Payout_5.pdf](#)

[DJI_0061.JPG](#)

[DJI_0062.JPG](#)

[DJI_0065.JPG](#)

[DJI_0067.JPG](#)

Budget Table for ADA Related Expenses

[Budget Table.xlsx](#)

ADA Dollars Requested	53747.38
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Notes related to requested amount	n/a
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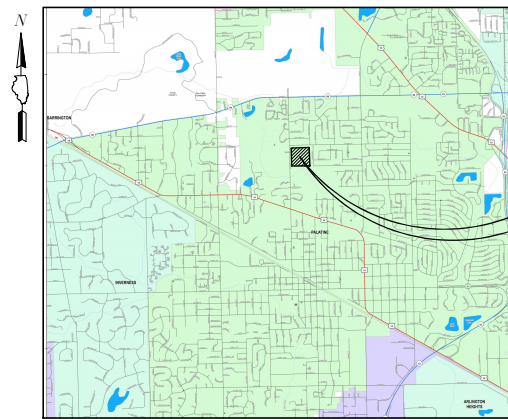
PALATINE PARK DISTRICT 2022 PATH IMPROVEMENTS HAMILTON PARK

STANDARD SYMBOLS

FEATURE	EXISTING	PROPOSED
BUFFALO BOX	○	●
BUSH/SHRUB	○	●
CATCH BASIN	○	●
CLEANOUT	○	●
COMBINE SEWER LINE	←-E-→	←-E-→
CONTOUR	---708---	---702---
CULVERT	—	—
DITCH/SWALE	—	—
ELECTRIC LINE	—	—
ELECTRIC MANHOLE	○	●
FENCE	—X—X—X—	—X—X—X—
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	○	●
SIGN	4	4
SPOT ELEVATION	x850.00	x850.00
STORM SEWER LINE	—	—
STORM SEWER MANHOLE	○	●
TELEPHONE LINE	—	—
TELEPHONE MANHOLE	○	●
TELEPHONE BOX/PEDESTAL	III	III
TREE-CONIFEROUS (SIZE/TAG#)	345	345
TREE-DECIDUOUS (SIZE/TAG#)	12"	12"
VALVE BOX	○	●
VALVE VAULT	○	●
WATER VALVE	○	●
WATERMAIN LINE	—	—

SHEET INDEX

1. TITLE SHEET
2. EXISTING CONDITIONS/DEMOLITION PLAN
3. GEOMETRIC PLAN
4. GRADING PLAN
5. GENERAL NOTES AND DETAILS



PROJECT LOCATION
HAMILTON PARK
VILLAGE OF PALATINE, ILLINOIS

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

PLANS PREPARED FOR:
PALATINE PARK DISTRICT
250 EAST WOOD STREET
PALATINE, ILLINOIS 60067

PROFESSIONAL DESIGN FIRM LICENSE:
GEWALT HAMILTON ASSOCIATES, INC.
DESIGN FIRM - LAND SURVEYOR/PROF ENG
LICENSE NUMBER: 184.000922-0010
EXPIRES: 4/30/2023

COORDINATING/PERMITTING AGENCIES:
VILLAGE OF PALATINE
METROPOLITAN WATER RECLAMATION DISTRICT
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

LOCATION MAP (Not to Scale)

BENCHMARK:
ELEVATIONS SHOWN HERON ARE OBTAINED VIA GPA
TRIMBLE VRS NOW (NO PUBLISHED MONUMENT VERIFIED)
DATUM: NAVD88

Point Table				
Point #	Northing	Easting	Elevation	Description
30	1990525.23	1061790.83	765.27	CP30-IR

SIGNED: _____ P.E.
DONALD E. DIXON

DATE: _____

ILLINOIS LICENSE NO.: 062-051136

EXPIRATION DATE: FEBRUARY 28, 2022

JULIE
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION CALL 811

Know what's below.
Call before you dig.

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

ISSUED FOR BID 02/17/2022

GEWALT HAMILTON ASSOCIATES, INC.
625 Forest Edge Drive ■ Vernon Hills, IL 60061
TEL 847.478.9700 ■ FAX 847.478.9701

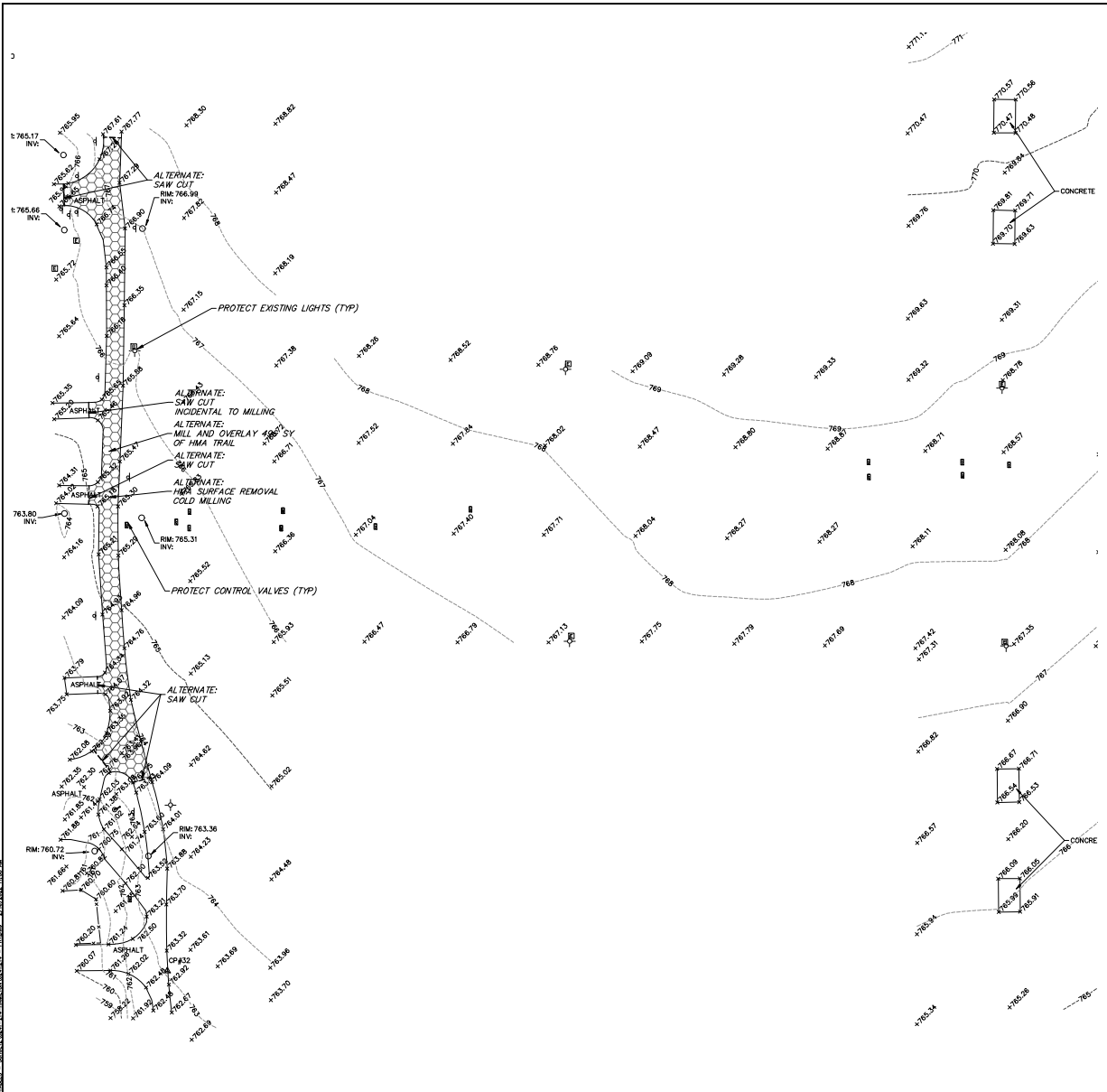
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TITLE SHEET

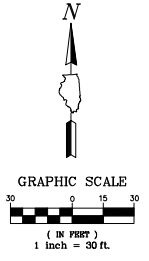
**PALATINE PARK DISTRICT
2020 PARK IMPROVEMENTS
HAMILTON PARK**

NO.	BY	DATE	REVISION	NO.	BY	DATE	REVISION

FILE	DRAWN BY	JMB	GHA PROJECT #	SHEET NUMBER
5241.214 - DT1.dwg	02/17/22	5241.214	1	
CHECKED BY:	TAR	SCALE	N.A.	OF 5 SHEETS
DATE	02/17/22			



- EXISTING CONDITION AND DEMOLITION NOTES**
1. 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.
 2. 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.
 3. Contractor shall refer to subsurface soil exploration report.
 4. 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.
 5. At all times, main drive, loading docks, and dumpster areas shall remain open and unobstructed. 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 closings shall be completed within the work day and restored to unobstructed access by the close of the work day.
 6. 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.
 7. The existing facilities will remain open and actively used. Contractor shall coordinate with utility companies to ensure continuous utility services during demolition and transitioning of services.
 8. The contractor is responsible for the demolition and disposal of all existing improvements onsite 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 foundation plans for proposed building subbase grades.) These items shall be completely removed and legally disposed of offsite.
 9. Temporarily remove, store and protect sign and posts within affected work zone for reinstallation. Coordinate onsite storage with Property Owner.
 10. 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.



- SUPPLEMENTAL CONDITIONS AND DEMOLITION NOTES (to be used on a case-by-case basis)**
1. There are multiple irrigation heads within the construction area. The Contractor shall protect these during construction. Any damage to the system shall be repaired at the Contractor's expense.
 2. Existing wells and irrigation system that is to remain shall be protected. Prior to site demolition, the Contractor shall coordinate with Park District staff on any work related to irrigation system, including to locate, disassemble, disconnect, and salvage any portion of the sprinkler system. Contractor shall make necessary programming and wiring modifications to make operational and test accordingly. Any damage to irrigation system to remain shall be repaired by the Contractor at their own cost.
 3. The contractor shall submit to the Park District 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.
 4. Contractor to strip existing topsoil and stockpile in the location shown on the plans. Prior to final placement of topsoil the topsoil shall be pulverized on-site.

REMOVAL LEGEND

- ALTERNATE HMA SURFACE REMOVAL, COLD MILLING
- PAVEMENT SAWCUT

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 TEL 847.478.9700 ■ FAX 847.478.9701

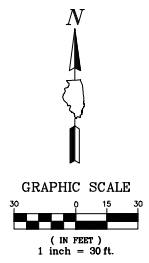
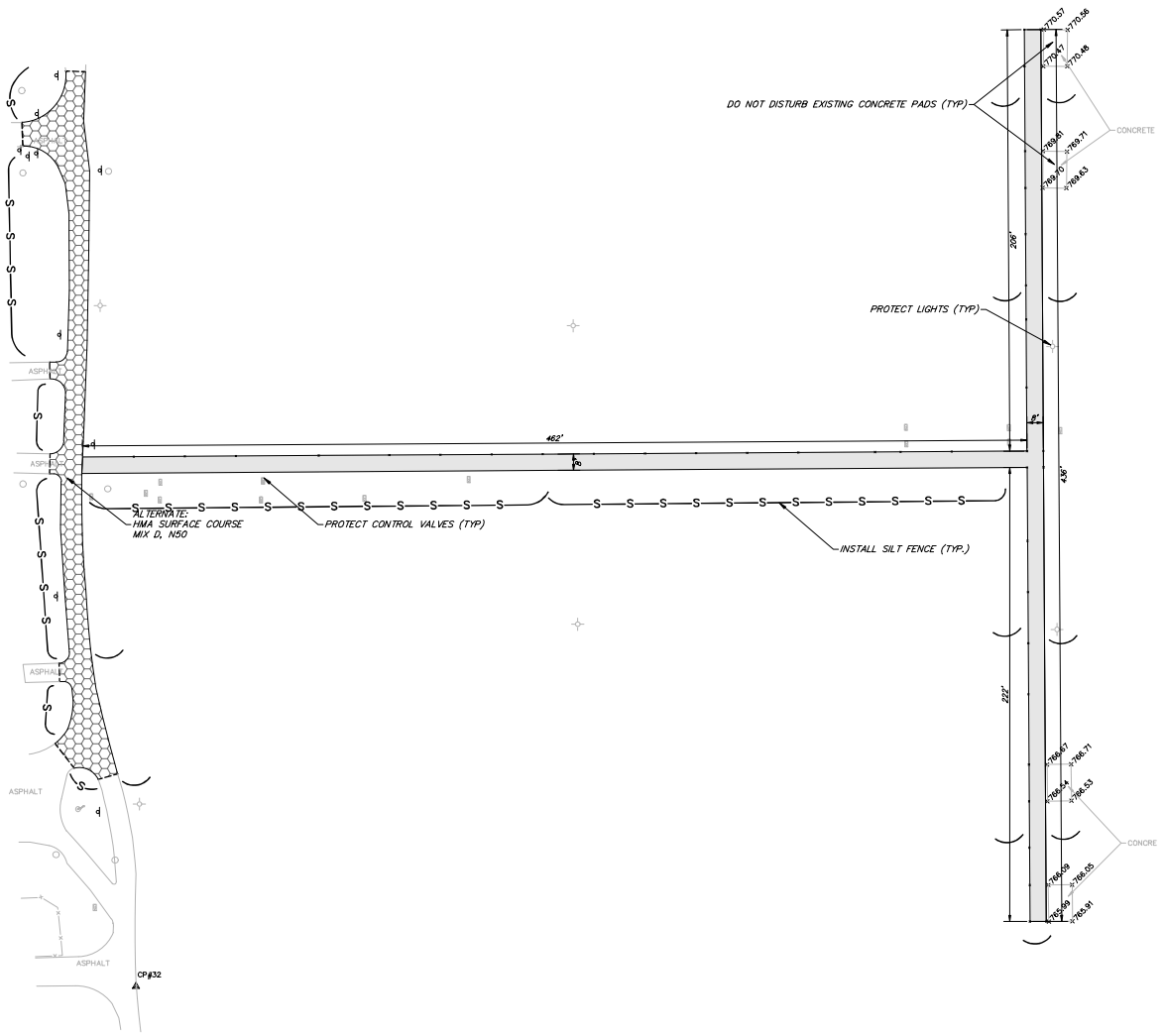
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EXISTING CONDITIONS/DEMOLITION PLAN

**PALATINE PARK DISTRICT
 2020 PARK IMPROVEMENTS
 HAMILTON PARK**

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FILE: 5241.214 - PR1.dwg	SHEET NUMBER:
DRAWN BY: JMB	5241.214
DATE: 02/17/22	GHA PROJECT #
	5241.214
CHECKED BY: TAR	SCALE
DATE: 02/17/22	1"=30'
	OF 5 SHEETS



GEOMETRIC AND PAVING PLAN

1. 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%.
2. Install bituminous pavement as shown. Refer to detail sheet for specific pavement sections and general note sheet for construction, testing and compaction requirements.
3. 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.
4. For final restoration, the contractor shall be responsible for restoring all disturbed turf areas and proposed turf areas as follows:
 - a. 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".
 - b. Spread a minimum of 6" of existing site salvaged screened topsoil or new pulverized topsoil on all disturbed areas. Compact to 80% standard proctor.
 - c. Topsoil must be free of litter, brush, rocks and earth clods of greater than 1 inch in any dimension. Contain between 1%-10% organic matter, 12%-50% clay, and less than 55% sand content. pH shall be between 6.0 and 8.0.
 - d. Seed restoration areas as follows:
 - IDOT Class 1 seed. (Lawn mixture)
 - Fertilizer shall be applied following IDOT requirements.
 - Erosion control blanket shall be North American Green S75 or approved equal installed following manufacturer guidelines.
 - e. 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.
 - f. 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 reseeded or re-sodding 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 (to be used on a case-by-case basis)

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 recompact and proof rolled prior to repaving.
15. Hot mix Asphalt (HMA) paving — After passing proof roll, the contractor shall string line the proposed pavement edge. Any areas that do not meet minimum pavement cross slope (1.0%) will be corrected, re-compacted and re-proof rolled.
16. Upon rough grading of subgrade, furnish and place 12" of topsoil from site topsoil. Topsoil shall be rototilled after placement to a 10" depth prior to final grading and compaction to 80% standard density. Seed shall be IDOT Class 1, spread at a rate of 400 lb per acre. Fertilizer shall be a 1:1:1 ratio of nitrogen, phosphorus and potassium nutrients. The mixture shall be spread at a rate of 270 lb per acre. Upon placement of seed and fertilizer all areas shall be covered with IDOT mulch method 3A.
17. Note a temporary water irrigation system shall be installed to water this area for a minimum of 60 days following IDOT guidelines. Note this will be watered during the summer. Establishment of vegetation is required within 45 days of initial seeding.

PROPOSED LEGEND

- 9-FOOT AGGREGATE BASE COURSE
- 8-FOOT HMA PAVEMENT
(SEE DETAIL)
- ALTERNATE, HMA SURFACE COURSE MIX D, N50
- PAVEMENT SAWCUT
- SILT FENCE INSTALLATION

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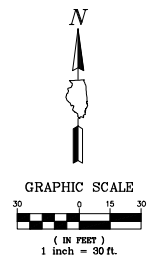
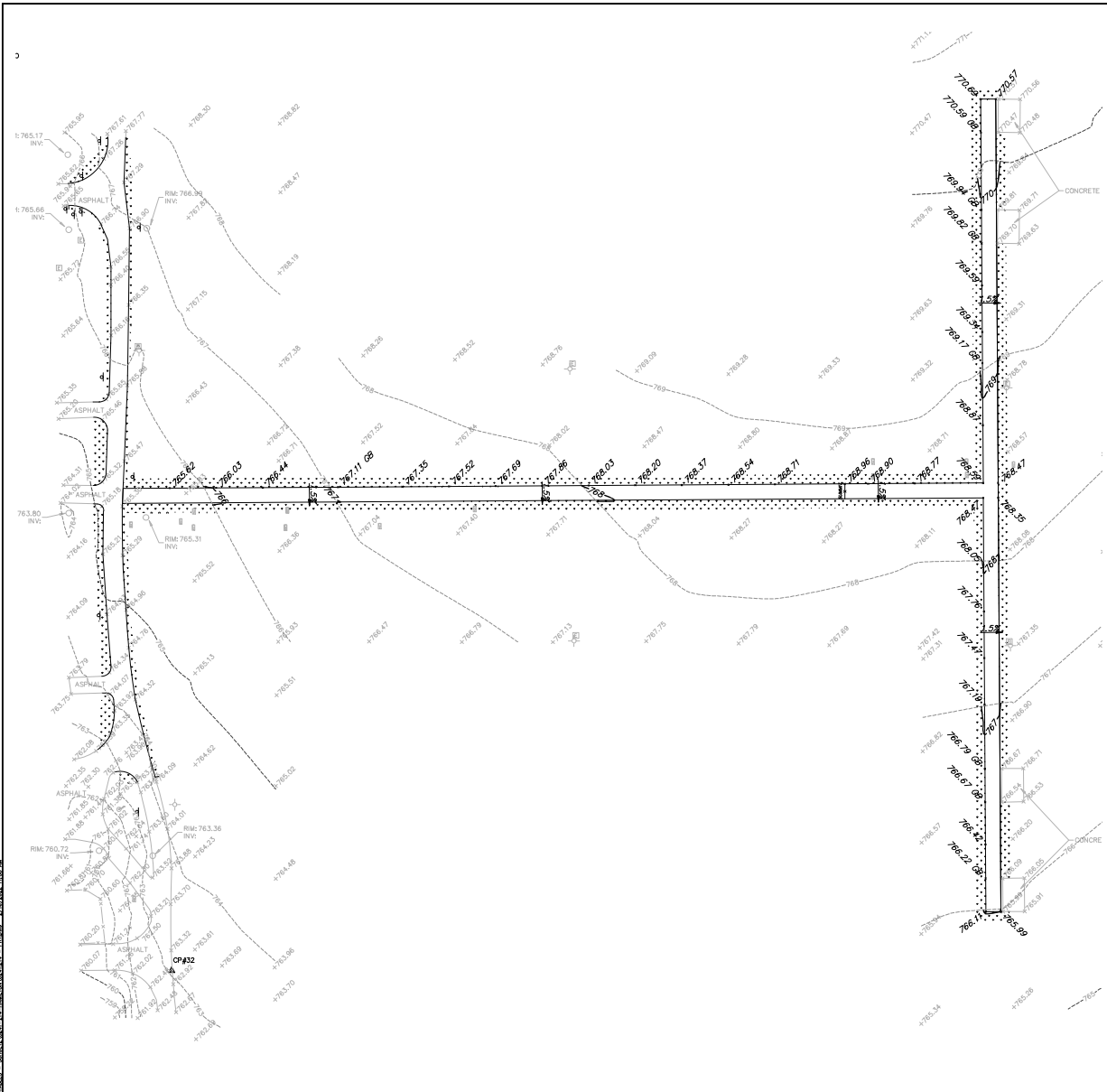
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GEOMETRIC PLAN
PALATINE PARK DISTRICT
2020 PARK IMPROVEMENTS
HAMILTON PARK

NO.	BY	DATE	REVISION	NO.	BY	DATE	REVISION

FILE: 5241.214 - PR1.dwg	SHEET NUMBER:
DRAWN BY: JMB	3
DATE: 02/17/22	GHA PROJECT # 5241.214
CHECKED BY: TAR	SCALE: 1"=30'
DATE: 02/17/22	OF 5 SHEETS

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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.
- 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 5/3.160 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.
- Refer to soil erosion and sediment control notes and details for seed and blanket requirements for temporary stabilization.
- Refer to geometric plan for final restoration requirements.
- Contractor shall provide the following as-constructed documents at the conclusion of the project:
 - Stormwater Basins and swales impounding water
 - Top of berm, overflow, and bottom of basin elevations
 - Structure and flared end sections elevations within basin
 - Control 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 similar locations to proposed grading.
 - Spot elevations at summit / high and low points.
 - ADA parking stalls, sidewalk ramps, and ADA Routes
 - Provide 6 spot elevations within the parking stall 3 along the front and rear of the stall at 8 foot spacing along the stall pavement markings.
 - Provide 4 spot grades per square at landings and any tapers 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

SUPPLEMENTAL CONDITIONS AND GRADING NOTES (to be used on a case-by-case basis)

- In proposed pavement and track and field event paved areas, strip all topsoil, excavate to sub-base, compact soil to 95% Modified Proctor density (ASTM D-1557) and install pavement section as noted on the plans. Prior to approval of the sub-base, all pavement areas will be proof rolled. Any areas found to deflect shall be scarified and recompact as directed by the engineer, until this standard is achieved.
- Provide makeup CA-6 stone, fine grading and recompaction of existing stone base. Compact existing base to 95% modified proctor density (ASTM D-1557). Prior to approval of the stone base, all pavement areas will be proof rolled. Any areas found to deflect shall be scarified and recompact as directed by the engineer, until this standard is achieved.
- Refer to SWPPP Plan for sequence of construction. Note mass grading work zone areas shall be minimized to prevent erosion. Once a work zone has been rough graded, stabilize area with mulch and proceed to next work area until site is completed.
- 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.
- All low areas disturbed as a result of construction shall be restored to preconstruction lawn condition following restoration requirements.

GRADING LEGEND

- TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH SEEDING, CLASS 4
- PROPOSED SPOT ELEVATION
- CONTOUR
- SUMMIT
- SLOPES

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NO.		DATE		REVISION		NO.		DATE		REVISION	

GRADING PLAN
PALATINE PARK DISTRICT
2020 PARK IMPROVEMENTS
HAMILTON PARK

FILE 5241.214 - P01.dwg	SHEET NUMBER
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4	
OF 5 SHEETS	

GENERAL NOTES

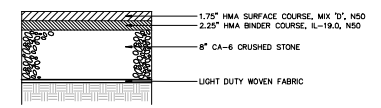
- ALL CONSTRUCTION SHALL BE PERFORMED ACCORDING TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" LATEST EDITION, THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" LATEST EDITION, THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN 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 GUTTERS, 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.

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 EXISTING VOLUMES, RIM AND INVERT ELEVATIONS OF ALL SEWERS, RIM AND TOP OF PIPE 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.
- CONTRACTOR SHALL NOTIFY THE PALATINE PARK DISTRICT (847-991-0333) 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. ALL OFFICIALS, EMPLOYEES AND AGENTS OF GEWALT 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 LOAD 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 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 III 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, IDOT 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 x 3/4" x 18" PLAN 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. CONSTRUCTION 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 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 ZZ SHEETING.

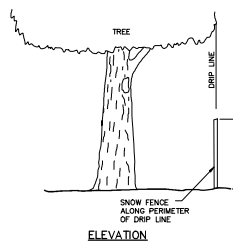
EROSION CONTROL NOTES

- AT A MINIMUM, THE CONTRACTOR SHALL INSTALL AND MAINTAIN SOIL EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH IN THE LATEST EDITION OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S URBAN MANUAL.
- 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. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS.
- LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFFSITE SEDIMENT TRACKING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING ANY ROAD OF MATERIAL THAT IS FROM THE PROJECT. THIS WILL BE DONE AT THE CLOSE OF EACH DAY OF WORK OR MORE FREQUENTLY AS FIELD CONDITIONS WARRANT.
- ALL STORM WATER STRUCTURES WITH OPEN LIDS SHALL BE PROTECTED WITH INLET FILTER BASKETS. DURING CONSTRUCTION, SEDIMENT SHALL BE REMOVED AS NEEDED, AND BASKETS SHALL BE REPAIRED OR REPLACED AS NEEDED.
- AFTER ACHIEVING PERMANENT VEGETATION, ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE REMOVED, AND THE DRAINAGE STRUCTURES SHALL BE CLEANED.
- THE CONTRACTOR SHALL KEEP A WATER SOURCE AT THEIR DISPOSAL FOR THE PURPOSE OF WATERING DOWN SOIL ON SITE AND ADJACENT ROADWAYS WHICH OTHERWISE MAY BECOME AIRBORNE.
- THE CONTRACTOR SHALL STABILIZE ALL IDLE, DISTURBED AREAS WITHIN SEVEN DAYS OF CESSATION OF THE CONSTRUCTION ACTIVITIES IN THAT AREA.
- THE CONTRACTOR IS EXPRESSLY ADVISED NOT TO DISTURB AREAS WHICH ARE OUTSIDE THOSE NECESSARY TO PROVIDE THE IMPROVEMENTS AS CALLED FOR IN THE PLANS.
- ALL EROSION CONTROL MEASURES SHALL BE REPLACED IF DAMAGED OR MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT.
- ALL BYPASS CHANNELS, MUST BE CONSTRUCTED SO THAT CHANNEL FLOWS WILL NOT CAUSE EROSION OF EXCAVATED MATERIAL IN EACH CASE A SEDIMENTATION BASIN MUST BE CONSTRUCTED SO AS TO ALLOW THE SEDIMENT TO SETTLE PRIOR TO THE DOWNSTREAM OUTLET OF THE PROJECT AREA.
- PUMPS MAY BE USED AS BYPASS DEVICES, BUT IN NO CASE WILL THE WATER BE DIVERTED OUTSIDE THE PROJECT LIMIT. ALL PUMPED WATER SHALL BE FREE OF SILT. PUMPING MAY REQUIRE THE USE OF A SEDIMENT CONTAINMENT FILTER BAG AND OTHER SUPPLEMENTAL SEDIMENT CONTROL MEASURES.
- CONCRETE WASHOUT FACILITIES SHALL BE MADE AVAILABLE IF NEEDED, AND PROPERLY MAINTAINED THROUGHOUT THE PROJECT.
- PROPERLY MANAGE ALL MATERIAL STORAGE AREAS, PORTABLE TOILETS, AND EQUIPMENT FUELING, CLEANING, AND MAINTENANCE AREAS TO ENSURE THESE AREAS ARE FREE OF SPILLS, LEAKS, OR OTHER POTENTIAL POLLUTANTS.
- WASTE, CONSTRUCTION DEBRIS, AND BUILDING MATERIALS SHALL BE COLLECTED AND PLACED IN APPROVED RECEPTACLES.



GHA GEWALT HAMILTON ASSOCIATES, INC. LIGHT DUTY PAVEMENT DETAIL

- NOTES:
- EXISTING TREES TO BE PROTECTED SHALL HAVE SNOW FENCE INSTALLED AT THE DRIP LINE OF THE TREE TO PREVENT THE STOCKPILING OF EXCAVATED OR CONSTRUCTION MATERIALS UNDER THE TREE AND PROHIBIT VEHICULAR TRAFFIC OR EXCESSIVE FOOT TRAFFIC WITHIN THE DRIP LINE.
 - SNOW FENCE SHALL BE WEBBED HDPE CONSTRUCTION FENCING COLORED ORANGE AND SUPPORTED WITH STEEL "TEE" POSTS SET AT MAX 15' INTERVALS OR AS REQUIRED TO MAINTAIN THE FENCE IN AN UPRIGHT POSITION THROUGHOUT THE TERM OF CONSTRUCTION IN CONFORMANCE WITH SECTION 201.05 OF THE HIGHWAY STANDARDS.
 - TREES THAT MAY BE DAMAGED BY CONSTRUCTION OPERATIONS SHALL BE REPAIRED OR REPLACED IN A MANNER ACCEPTABLE TO THE VILLAGE.

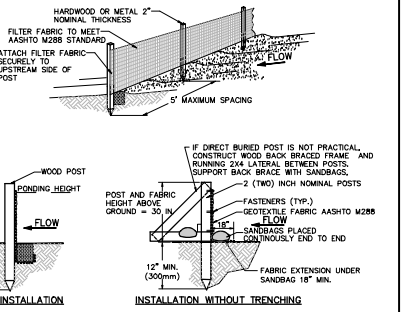


GHA GEWALT HAMILTON ASSOCIATES, INC. TREE PROTECTION FENCING DETAIL

- NOTES:
- SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE FLOWING EFFICIENCY.
 - INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. 9" (225mm) MAXIMUM RECOMMENDED STORAGE HEIGHT.
 - REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
 - FABRIC AND INSTALLATION SHALL MEET THE REQUIREMENTS OF ASHTO STANDARD SPECIFICATION M-288-00.
 - SLUICING METHOD IS PREFERRED.

PROPERTY	TEST PROCEDURE
Grab Elongation	
Machine Direction	ASTM D-4533 123 lbs
X-Machine Direction	ASTM D-4833 101 lbs
Permittivity	ASTM D-4491 0.05 sec ⁻¹
A.S.O.	ASTM D-4751 30 u.s. Sieve
Liv. Stability	ASTM D-4355 70%

- SET POSTS AND EXCAVATE OR SLIT-TRENCH A 6-INCH DEEP TRENCH UP-SLOPE ALONG THE LINE OF THE POST.
- ATTACH ASHTO GEOTEXTILE FILTER FABRIC TO EACH POST WITH A MINIMUM OF 5" (127mm) FASTENERS PER POST AND EXTEND TO THE BOTTOM OF THE TRENCH. ACCEPTABLE FASTENERS INCLUDE STAPLES, ZIP-TIES, OR WIRE TIES.
- BACKFILL AND COMPACT THE EXCAVATED SPOIL MATERIALS



GHA GEWALT HAMILTON ASSOCIATES, INC. SILT FENCE INSTALLATION DETAIL

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GENERAL NOTES AND DETAILS

**PALATINE PARK DISTRICT
 2020 PARK IMPROVEMENTS
 HAMILTON PARK**

FILE 5241.214 - DT1.dwg	SHEET NUMBER
DRAWN BY: JMB	5
DATE: 02/17/22	GHA PROJECT # 5241.214
CHECKED BY: TAR	SCALE N.A.
DATE: 02/17/22	OF 5 SHEETS
NO. BY DATE REVISION	NO. BY DATE REVISION



