

Title	Mike Rylko Park In-Line Rink	02/26/2024
	by Timothy Howe in Member District ADA Project Request	id. 45685394
	530 Bernard Dr Buffalo Grove, Illinois 60089 United States 8478502163 thowe@bgparks.org	

Original Submission 02/26/2024

Score	n/a
Name	Tim Howe
Job Title	Director of Parks and Planning
E-mail Address	thowe@bgparks.org
Phone Number	8478502100
Park District	Buffalo Grove
Project Location	Mike Rylko Park In-Line Rink
Project Status	Alteration
Project Type	Routes and Surfaces
Routes and Surfaces- select a Project Category below:	Walking Surfaces Accessible Routes- Means of Egress
Benefits of the Project	Accessible pathways leading to the in-line rink.
Items that will become ADA Compliant	Pathways to access the in-line rink
The project is designed or constructed, or applies human resources, to comply with:	The 2010 Standards for Accessible Design

Upload Project Related Files, Photos, Videos or Audio

[Upland_Design_InLine.pdf](#)

[Hacienda_InLine.pdf](#)

[In-Line_Rink_Drawing.pdf](#)

Budget Table for ADA Related Expenses

[Budget Table.xlsx](#)

ADA Dollars Requested	32372.5
-----------------------	---------

Notes related to requested amount



BUFFALO
GROVE
PARK
DISTRICT

BID FORM 1 of 3

Proposal of Hacienda Landscaping Inc hereinafter called "BIDDER", (a)/ (an) (corporation, partnership, individual)

Doing business as Hacienda Landscaping Inc to the Buffalo Grove Park District, herein after called the "Owner".

The Bidder, in response to your advertisement for bids of the **2023 RYLKO PARK IMPROVEMENTS**, examined the Specifications, Drawings, and other contract documents, hereby proposes to furnish and deliver all materials and supplies in accordance with the Contract Documents, within the time set forth there in and at the prices stated below. These prices are to cover all expenses including delivery to Buffalo Grove, Illinois.

Bidder acknowledges receipt of the following Addenda(s), which is (are) a part of the Contract Documents:

Number(s): 1 _____

Base Bid for all work: \$ 418,278⁰⁰

Alternate #A Bid for all work: \$ 76,369⁰⁰

Alternate #B Bid for all work: \$ 59,900⁰⁰

Alternate #C Bid for all work: \$ 17,000⁰⁰

Alternate #D Bid for all work: \$ 29,780⁰⁰

Include completed Unit Cost Worksheet.

Warranty Period: 1 years

Bidder hereby agrees to start work within ten (10) calendar days after receipt of "Notice to Proceed" from the Owner and to substantially complete the project as specified in the Project Identification and Schedule.



BUFFALO
GROVE
PARK
DISTRICT

BID FORM 2 of 3

Important Note— To the extent it applies, Contractor must comply with requirements of the Illinois Prevailing Wage Act. Copies of the Labor Standards Provisions and the most recent Department of Labor Wage Determination can be found on the Department of Labor web site.

Bidder agrees to perform all of the work specified and required by the proposed contract documents. Accompanying bid is a 10 % Bid Bond (in the form of a Bid Bond, Certified Check or Cashier's Check) in the amount of (\$ Bid Bond), the same being subject to forfeiture in the event of default by the undersigned.

In submitting this bid, it is understood that the right is reserved by the Owner to reject any and all bids and it is agreed that this bid may not be withdrawn during the period of days provided in the Contract Documents.

The Bidder here by certifies:

- A. That this bid is genuine and is not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation.
- B. That he/she has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid.
- C. That he/she has not solicited or induced any person, firm, or corporation to refrain from bidding.
- D. That he/she has not sought by collusion or otherwise to obtain for him any advantage over any other bidder or over the "Owner"
- E. That he/she, to the extent that it applies, must comply with requirements of the Illinois Prevailing Wage Act.
- F. That he/she is in compliance with the Criminal Code Act of 1961, Article E-11, Public Contracts, and Public Act 85-1295.
- G. That all materials, methods and workmanship shall conform to the General Conditions and Performance Specifications.



BUFFALO
GROVE
PARK
DISTRICT

BID FORM 3 of 3

Buffalo Grove Park District
(Owner)

530 Bernard Drive
(Address)

Buffalo Grove, IL 60089
(City/State/Zip)

847-850-2100
(Phone)

BY: Ryan Risinger
(Sign)

Ryan Risinger
(Print Name)

01/24/2023
(Date)

Hacienda Landscaping Inc.
(Contractor)

17840 Grove Rd
(Address)

Minooka, IL 60447
(City/State/Zip)

815-577-0851
(Phone)

BY: [Signature]
(Sign)

Marta Guzman
(Print Name)

12/19/2022
(Date)

**Unit Cost Worksheet
1086 Raupp Museum Nature
Classroom Development Phase II**

Contractor: Hacienda Landscaping Inc.

TO: Buffalo Grove Park District
2023 Rylko Park Improvements
530 Bernard Drive
Buffalo Grove, Illinois 60098.

Project #1086 rebid

The undersigned bidder has carefully examined the plans and specifications for Raupp Museum Nature Classroom Development Phase II, in Buffalo Grove, Illinois as prepared by Upland Design Ltd. and having carefully examined the site and completely familiarized him/herself with local conditions affecting the cost of the work: hereby states that he/she will provide all necessary labor, equipment, tools, machinery, apparatus and all other means of construction, do all the work and furnish all materials, called for by said plans and specifications in the manner prescribed by in accordance with the requirements of the contract, specification and drawings: and will accept as full and complete payment therefore the base bid amount which is the summation of the cost of the items of work and is equal to the summation of the extension of the unit prices.

Description of abbreviations:

SF = Square Feet

CF = Cubic Feet

LF = Lineal Feet

SY = Square Yard

CY = Cubic Yard

LS = Lump Sum

FF = Finished Face

BASE BID - RAUPP NATURE CLASSROOM DEVELOPMENT PHASE II

Item #	Description	Quantity	Unit	Installed Unit Price	Item Total
1	Site Preparation, Removals & Earthwork, Complete	1	LS	\$28,000	\$ 28,000
2	Slit Fence	92	LF	\$ 4	\$ 368
3	Temporary Concrete Washout	1	LS	\$ 600	\$ 600
4	Concrete Paving	97	SF	\$ 12	\$ 1,164
5	Concrete Paving - Integral Color	374	SF	\$ 14	\$ 5,236
6	Stamped Concrete Paving (With Integral Color)	2906	SF	\$ 16	\$ 46,496
7	Split Rail Fence	151	LF	\$ 39	\$ 5,889
8	Raised Curb Planter	64	LF	\$ 40	\$ 2,560
9	Sculpture Footing	1	LS	\$ 350	\$ 350
10	Limestone Steppers	1	LS	\$ 2,500	\$ 2,500
11	Pollinator Wall Footing	1	EA	\$ 450	\$ 450
Site Furniture shall be purchased and fully installed by Contractor.					
12	Picnic Table	6	EA	\$ 1,850	\$ 11,100
13	Picnic Table ADA	2	EA	\$ 1,950	\$ 3,900

Unit Cost Worksheet:
1086 Raupp Museum Nature
Classroom Development Phase II

Contractor: Hacienda Landscaping Inc

14	Log Bench	2	EA	\$ 5,200	\$ 10,400
15	Topsoil Fill for Planters - 12" Depth	3	CY	\$ 150	\$ 450
16	Deciduous Shrubs	36	EA	\$ 160	\$ 5,760
17	Ornamental Grasses	216	EA	\$ 30	\$ 6,480
18	Perennials	482	EA	\$ 30	\$ 14,460
19	Landscape Boulders	1	LS	\$ 3,500	\$ 3,500
20	Native Seed Mix	1	LS	\$ 2,000	\$ 2,000
21	Sod	1	LS	\$ 8,000	\$ 8,000
22	Lawn restoration and establishment including core aeration, seeding, fertilizing, and blanket cover at all disturbed areas.	1	LS	\$ 9,000	\$ 9,000

Raupp Museum Nature Classroom Development
Phase II SUBTOTAL \$ 168,663⁰⁰

BASE BID - INLINE SKATE RINK REDEVELOPMENT

Item #	Description	Quantity	Unit	Installed Unit Price	Item Total
23	Inlet Baskets	2	EACH	\$ 350	\$ 700
24	Inlet Baskets and Coir Log	6	EACH	\$ 600	\$ 3,600
25	Coir Log	1	EACH	\$ 150	\$ 150
26	Concrete Washout	1	LS	\$ 600	\$ 600
27	Temporary Construction Fence	1095	LF	\$ 8	\$ 8,760
28	Silt Fence	340	LF	\$ 4	\$ 1,360
29	Tree Trunk Protection	9	EACH	\$ 250	\$ 2,250
30	Unsuitable Removal and Replacement with PGE (Allowance)	150	CY	\$ 80	\$ 12,000
31	Bench and Bleacher Removal	1	LS	\$ 800	\$ 800
32	Full Depth Asphalt Removal	2031	SY	\$ 23	\$ 46,713
33	HMA Pathway Removal	185	SY	\$ 20	\$ 3,700
34	Concrete Curb Removal	507	LF	\$ 12	\$ 6,084
35	Sawcut Pavement, Full Depth	745	LF	\$ 1	\$ 745
36	Dasher Board & Rink Fence Removal and Disposal	507	LF	\$ 14	\$ 7,098
37	Perimeter Fence Removal and Disposal	520	LF	\$ 12	\$ 6,240

Unit Cost Worksheet:
 1086 Raupp Museum Nature
 Classroom Development Phase II

Contractor: Hacienda Landscaping Inc.

38	Underdrain, Perforated PVC, 4 Inch	530	LF	\$ 25	\$ 13,250
39	Underdrain, Non-Perforated PVC, 4 Inch	59	LF	\$ 25	\$ 1,475
40	Storm Sewer Pipe, PVC, 6 Inch	167	LF	\$ 32	\$ 5,344
41	Clean Out with Frame & Lid	4	EACH	\$ 400	\$ 1,600
42	Inlet Type A with T1 Open Lid	2	EACH	\$ 2,500	\$ 5,000
43	Manhole Type A with T1 Closed Lid	1	EACH	\$ 4,000	\$ 4,000
44	Storm Sewer Connection	1	EACH	\$ 600	\$ 600
45	Prime Coat	25	LBS	\$ 27	\$ 675
46	HMA Surface Course, Rink, 1.75 Inch	18	TON	\$ 140	\$ 2,520
47	HMA Binder Course, Rink, 2.25 Inch	24	TON	\$ 145	\$ 3,480
48	HMA Surface Course, Path, 3 Inch	148	TON	\$ 155	\$ 22,940
49	Sidewalk, PCC, 5 Inch	850	SF	\$ 12	\$ 10,200
50	6" Concrete Pavement (Allowance)	350	SF	\$ 13	\$ 4,550
51	Aggregate Base Course, Rink, CA-6, 4 Inch	192	SY	\$ 18	\$ 3,456
52	Aggregate Base Course, Paths, CA-6, 4 Inch	972	SY	\$ 16	\$ 15,552
53	Dasher Board Underdrain Backfill - CA-7	125	CY	\$ 80	\$ 10,000
54	Flat Curb, PCC, 12x18 (Special)	115	LF	\$ 45	\$ 5,175
55	Installation of new Benches, Furnished by Others	1 50	EA	\$ 2,000	\$ 2,000
56	Topsoil Furnish and Place, 6 Inch Min.	1185	SY	\$ 14	\$ 16,590
57	Seeding, CL 1, 8lbs/1000sf	11	LBS	\$ 56	\$ 616
58	Rock Construction Entrance	266	SY	\$ 12	\$ 3,192
59	Remove and Replace Sign	1	LS	\$ 600	\$ 600
60	Turfgrass Restoration	1	LS	\$ 16,000	\$ 16,000

Inline Skate Rink SUBTOTAL \$ 249,615⁰⁰

Base Bid - 2023 Rylko Park Improvements TOTAL \$ 418,278⁰⁰

Base Bid - 2023 Rylko Park Improvements in Writing:

Four Hundred Eighteen Thousand Two Hundred and Seventy Eight Dollars^{00/100}

**Unit Cost Worksheet:
1086 Raupp Museum Nature
Classroom Development Phase II**

Contractor: Hardsch landscaping inc

ALTERNATE #A: Alcott Improvements

Item #	Description	Quantity	Unit	Installed Unit Price	Item Total
Add A-1	Sawcut, Full Depth	50	LF	\$ 2	\$ 100
Add A-2	Earth Excavation	1	LS	\$ 12,000	\$ 12,000
Add A-4	Tree Trunk Protection	9	EA	\$ 250	\$ 2,250
Add A-5	HMA Pathway Removal	440	SY	\$ 20	\$ 8,800
Add A-6	Fence, Gate and Foundation (Full Depth) Removal	1	LS	\$ 500	\$ 500
Add A-7	HMA Surface Course, Path, 3 Inch	117	TON	\$ 220	\$ 25,740
Add A-7	Sidewalk, PCC, 5 Inch	860	SF	\$ 12	\$ 10,320
Add A-8	Aggregate Base Course, Paths, CA-6, 4 Inch	793	SY	\$ 13	\$ 10,309
Add A-9	Flat Curb, PCC, 12x12	75	LF	\$ 38	\$ 2,850
Add A-10	Turfgrass Restoration	1	LS	\$ 3,500	\$ 3,500

Alternate Bid Total \$ 76,369⁰⁰

Alternate Bid In Writing:

Seventy Six Thousand Three Hundred and Sixty Nine Dollars

ALTERNATE #B: Shade Structure and Wall

Item #	Description	Quantity	Unit	Installed Unit Price	Item Total
Add B-1	Shade Structure	1	LS	\$ 37,000	\$ 37,000
Add B-2	Wall	30	LF	\$ 600	\$ 18,000
Add B-3	Bench	2	EA	\$ 2,450	\$ 4,900

Alternate Bid Total \$ 59,900⁰⁰

Alternate Bid In Writing:

Fifty Nine Thousand and Nine Hundred Dollars

**Unit Cost Worksheet:
1086 Raupp Museum Nature
Classroom Development Phase II**

Contractor: Hacienda Landscaping

ALTERNATE #C: Water Feature

Item #	Description	Quantity	Unit	Installed Unit Price	Item Total
Add C-1	Remove hydrant and replace with water control valve	1	LS	\$ 5,000	\$ 5,000
Add C-2	Water Feature including concrete paving, water line connection, and landscape boulders	1	LS	\$ 12,000	\$ 12,000

Alternate Bid Total \$ 17,000

Alternate Bid In Writing:

Seventeen Thousand Dollars ⁰⁰/₁₀₀

ALTERNATE #D: Asphalt Path Improvements

Item #	Description	Quantity	Unit	Installed Unit Price	Item Total
Add D-1	Bench and Site Furniture Removal and Reinstallation	1	LS	\$ 500	\$ 500
Add D-2	HMA Pathway Removal	450	SY	\$ 20	\$ 9000
Add D-3	HMA Surface Course, Path, 3 Inch	80	TON	\$ 216	\$ 17,280
Add D-4	Turfgrass Restoration	1	LS	\$ 3,000	\$ 3,000

Alternate Bid Total \$ 29,780⁰⁰

Alternate Bid In Writing:

Twenty Nine Thousand Seven Hundred and Eighty Dollars ⁰⁰/₁₀₀

End of Bid Items - Fill out remainder of forms.
Provide 2 copies of bid form.

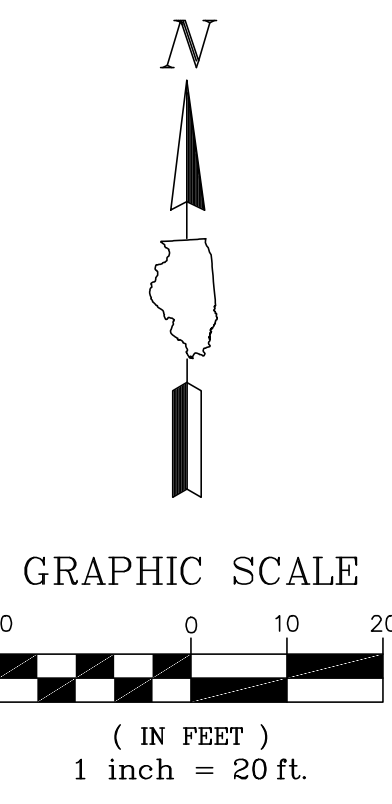
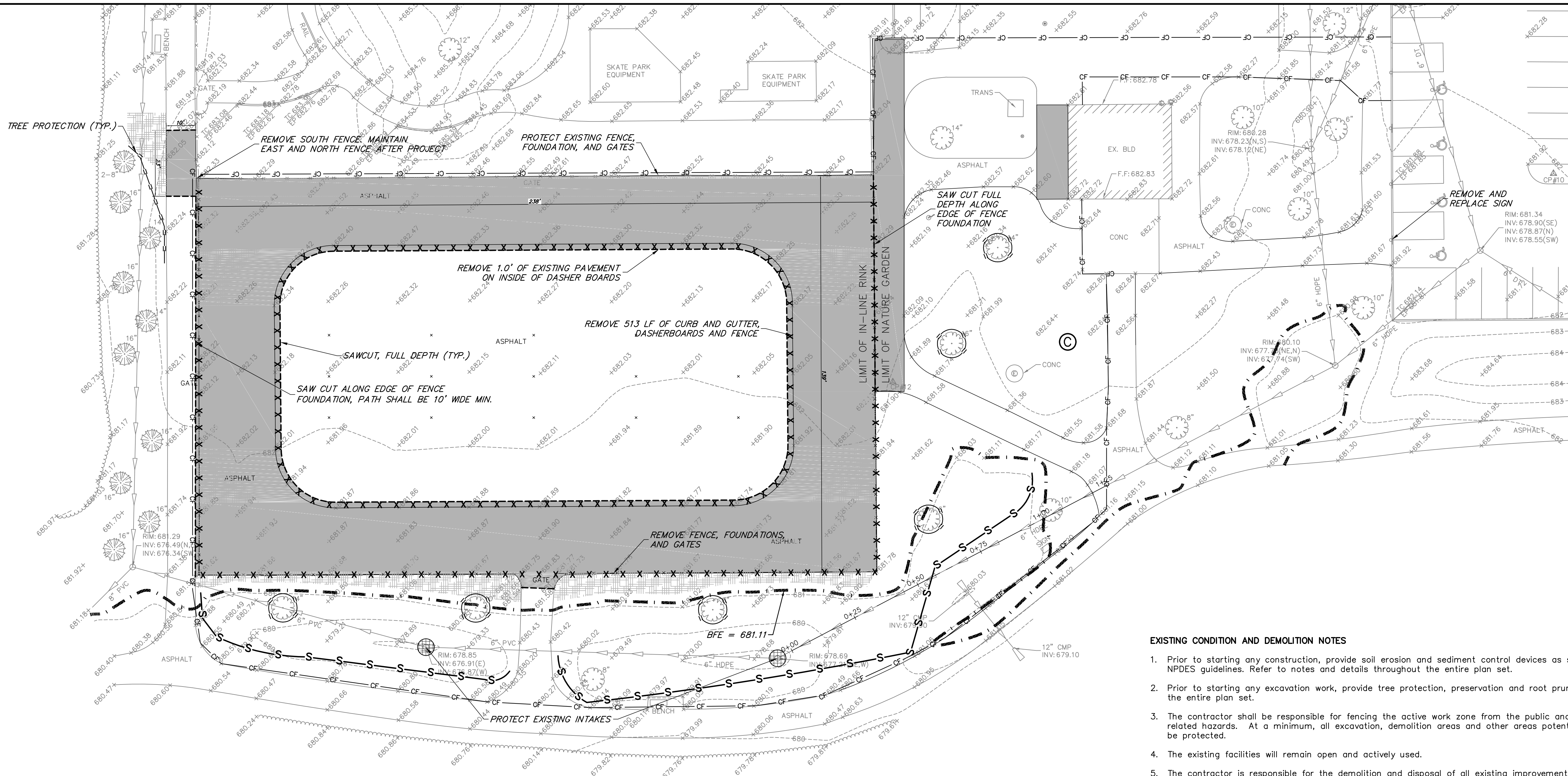
CONTRACTOR: Hacienda Landscaping Inc.

CONTACT: Maria Surman SIGNATURE: [Signature]

PHONE: 918-577-0851 FAX: N/A

ADDRESS: 17840 Grove Rd
Minooka, IL 60447

List Surety Company Which Contractor will be using for Performance and Payment Bonds: Assurance



REMOVAL LEGEND

	PAVEMENT REMOVAL FULL DEPTH
	ACCESS ROUTE
	PERIMETER EROSION BARRIER
	TREE TRUNK PROTECTION FENCE
	FENCE REMOVAL
	PAVEMENT SAWCUT
	CONSTRUCTION FENCE
	B.F.E. LINE ELEV: 861.11

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. 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.
4. The existing facilities will remain open and actively used.
5. 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.
6. 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 bulkheaded with concrete and backfilled with CA-6 crushed stone.
7. The Contractor shall include all associated costs with the removal, transport, disposal, testing and certification of "Uncontaminated Soil" as defined under 415 ILCS 5/3.160 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.
8. The contractor shall submit to the Owner and / or City 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.
9. The existing bleachers and benches on the south sides of the rink shall be removed by contractor.

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

COPYRIGHT NOTICE
 This drawing is the property of Gewalt-Hamilton Assoc., Inc. and is not to be used for any purpose other than the specific project and site named herein, and cannot be reproduced in any manner without the express written permission from Gewalt-Hamilton Associates, Inc.

EXISTING CONDITIONS/DEMOLITION PLAN
2023 RYLKO PARK IMPROVEMENTS - INLINE SKATE RINK REDEVELOPMENT
BUFFALO GROVE PARK DISTRICT
BUFFALO GROVE, ILLINOIS

NO.	BY	DATE	REVISION

FILE: 4647.156_P01.dwg	SHEET NUMBER:
DRAWN BY: DGC	GHA PROJECT #
DATE: 12-05-22	4647.155
CHECKED BY: JMB	SCALE:
DATE: 12-05-22	1"=20'
	OF 12 SHEETS

C1

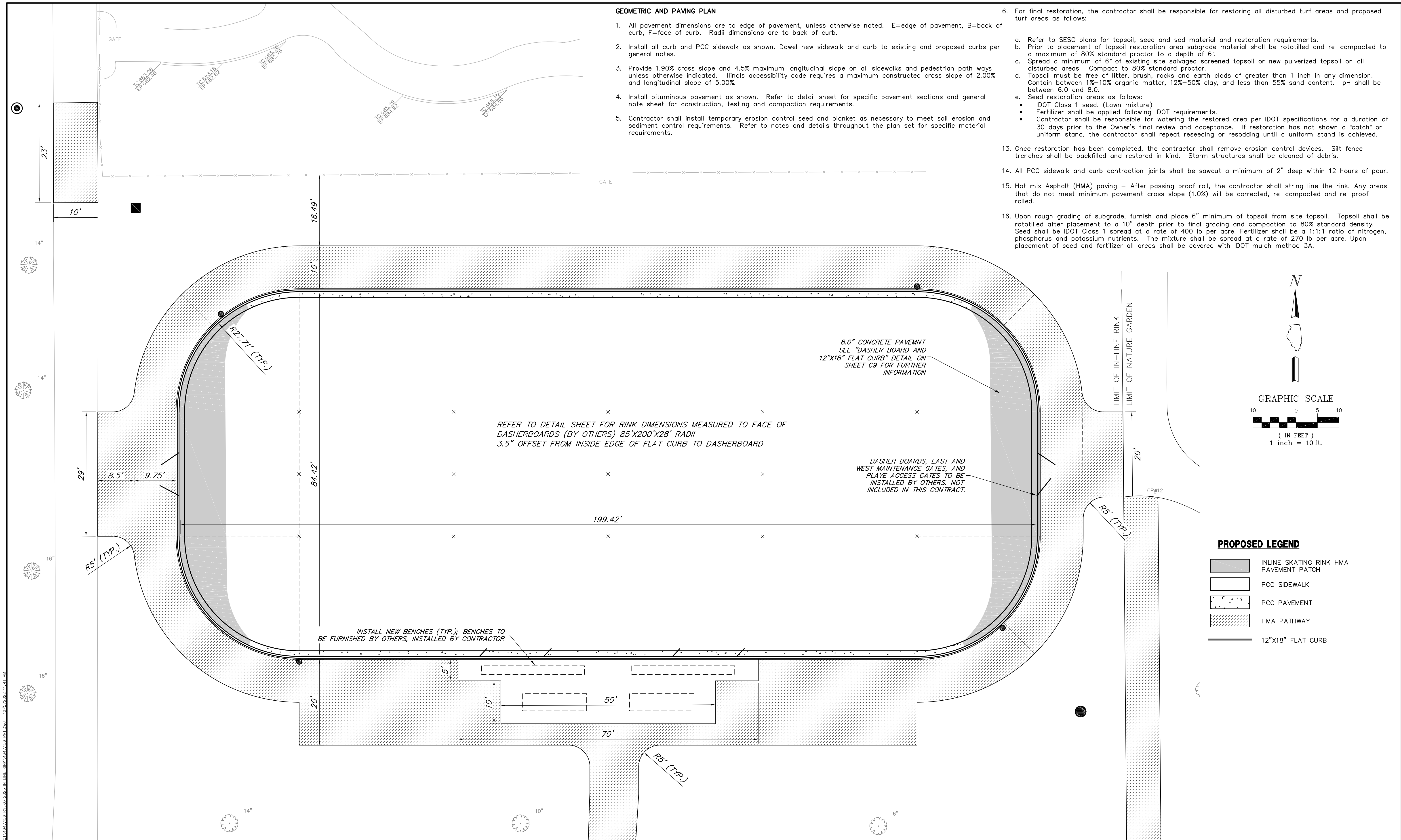
12/25/2022 11:41 AM
 P:\120524\2023\12-05-22\12-05-22.dwg
 12/25/2022 11:41 AM

GEOMETRIC AND PAVING PLAN

- All pavement dimensions are to edge of pavement, unless otherwise noted. E=edge of pavement, B=back of curb, F=face of curb. Radii dimensions are to back of curb.
- Install all curb and PCC sidewalk as shown. Dowel new sidewalk and curb to existing and proposed curbs per general notes.
- 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%.
- Install bituminous pavement as shown. Refer to detail sheet for specific pavement sections and general note sheet for construction, testing and compaction requirements.
- 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.

- For final restoration, the contractor shall be responsible for restoring all disturbed turf areas and proposed turf areas as follows:
 - Refer to SESC plans for topsoil, seed and sod material and restoration requirements.
 - 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".
 - Spread a minimum of 6" of existing site salvaged screened topsoil or new pulverized topsoil on all disturbed areas. Compact to 80% standard proctor.
 - 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.
 - Seed restoration areas as follows:
 - IDOT Class 1 seed. (Lawn mixture)
 - Fertilizer shall be applied following IDOT requirements.
 - 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 resodding until a uniform stand is achieved.

- 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.
- All PCC sidewalk and curb contraction joints shall be sawcut a minimum of 2" deep within 12 hours of pour.
- Hot mix Asphalt (HMA) paving – After passing proof roll, the contractor shall string line the rink. Any areas that do not meet minimum pavement cross slope (1.0%) will be corrected, re-compacted and re-proof rolled.
- Upon rough grading of subgrade, furnish and place 6" minimum 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.



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

COPYRIGHT NOTICE
This drawing is the property of Gewalt-Hamilton Assoc., Inc. and is not to be used for any purpose other than the specific project and site named herein, and cannot be reproduced in any manner without the express written permission from Gewalt-Hamilton Associates, Inc.

GEOMETRIC PLAN

2023 RYLKO PARK IMPROVEMENTS - INLINE SKATE RINK REDEVELOPMENT
BUFFALO GROVE PARK DISTRICT
BUFFALO GROVE, ILLINOIS

NO.	BY	DATE	REVISION	NO.	BY	DATE	REVISION

FILE 4647.156 PR1.dwg	SHEET NUMBER:
DRAWN BY: DGC	C2
DATE: 12-05-22	4647.155
CHECKED BY: JMB	SCALE: 1"=10'
DATE: 12-05-22	OF 12 SHEETS

P:\2023\2023 RYLKO PARK IMPROVEMENTS - INLINE SKATE RINK REDEVELOPMENT - 12-05-2022\12-05-2022 11:41 AM

MH#10
RIM: 681.10
INV: 677.18 (SE)
INV: 677.08 (N,S) EXISTING

38' - 6" PVC
@ 0.50%

PROTECT EXISTING
FENCE CORNER

INL#11
RIM: 681.20
INV: 677.37 (NW)
INV: 679.32 (SE)

32' - 4" NON-PERFORATED PVC
UNDERDRAIN @ 1.00%

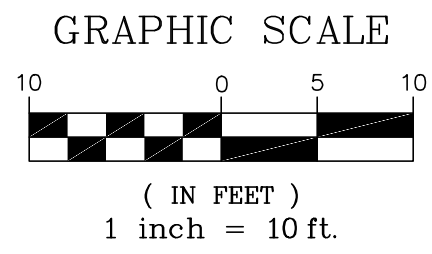
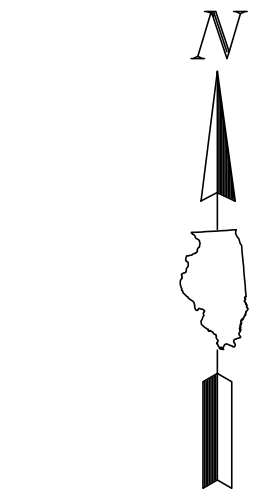
CO#23
RIM: 682.30
INV: 679.64

GATE

INL#2
RIM: 681.20
INV: 678.15 (N,S)

CO#21
RIM: 682.30
INV: 680.47

165' - 4" PERFORATED
PVC UNDERDRAIN @
0.50%



UTILITY PLAN LEGEND

- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- PROPOSED UNDERDRAIN
- PROPOSED STORM MANHOLE
- PROPOSED STORM CATCHBASIN
- PROPOSED STORM CLEANOUT
- PROPOSED STORM INLET

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. 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.
4. All connections to the combined sewer must be watertight in conformance with ASTM C-923.
5. All connections to existing structures shall be machined cored holes.
6. 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.

100' - 4" PERFORATED PVC
UNDERDRAIN @ 0.83%

100' - 4" PERFORATED PVC
UNDERDRAIN @ 0.83%

117' - 6" PVC
@ 0.50%

CO#22
RIM: 682.30
INV: 680.47

165' - 4" PERFORATED
PVC UNDERDRAIN @
0.50%

CO#20
RIM: 682.30
INV: 679.64

27' - 4" NON-PERFORATED PVC
UNDERDRAIN @ 1.00%

CB#1
RIM: 681.10
INV: 677.56 (N,SW)
INV: 679.37 (NW)

RIM: 681.29
INV: 676.49(N,E)
INV: 676.34(SW)

50' - 6" PVC
@ 0.50%

CONNECT TO EXISTING
STRUCTURE
RIM: 678.69
INV: 677.31 (N)
INV: 677.21 (NE,W) EXISTING

RIM: 678.69
INV: 677.21(NE,W)

RIM: 678.85
INV: 676.91(E)
INV: 676.87(W)



625 Forest Edge Drive ■ Vernon Hills, IL. 60061
TEL 847.478.9700 ■ FAX 847.478.9701

COPYRIGHT NOTICE
This drawing is the property of Gewalt-Hamilton Assoc., Inc. and is not to be used for any purpose other than the specific project and site named herein, and cannot be reproduced in any manner without the express written permission from Gewalt-Hamilton Associates, Inc.

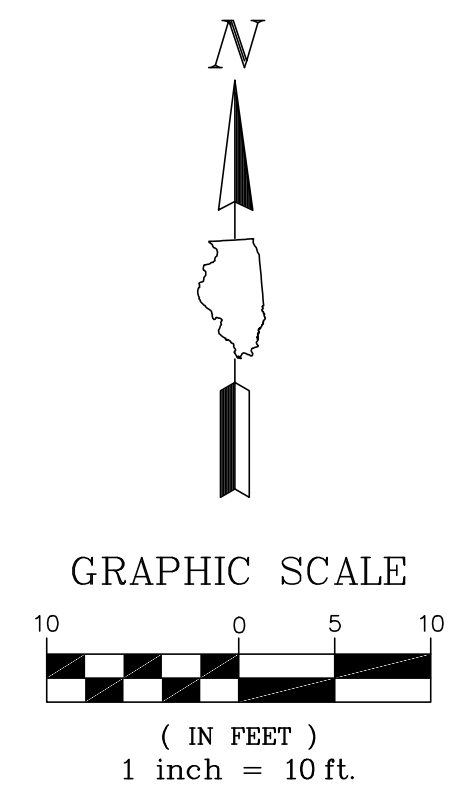
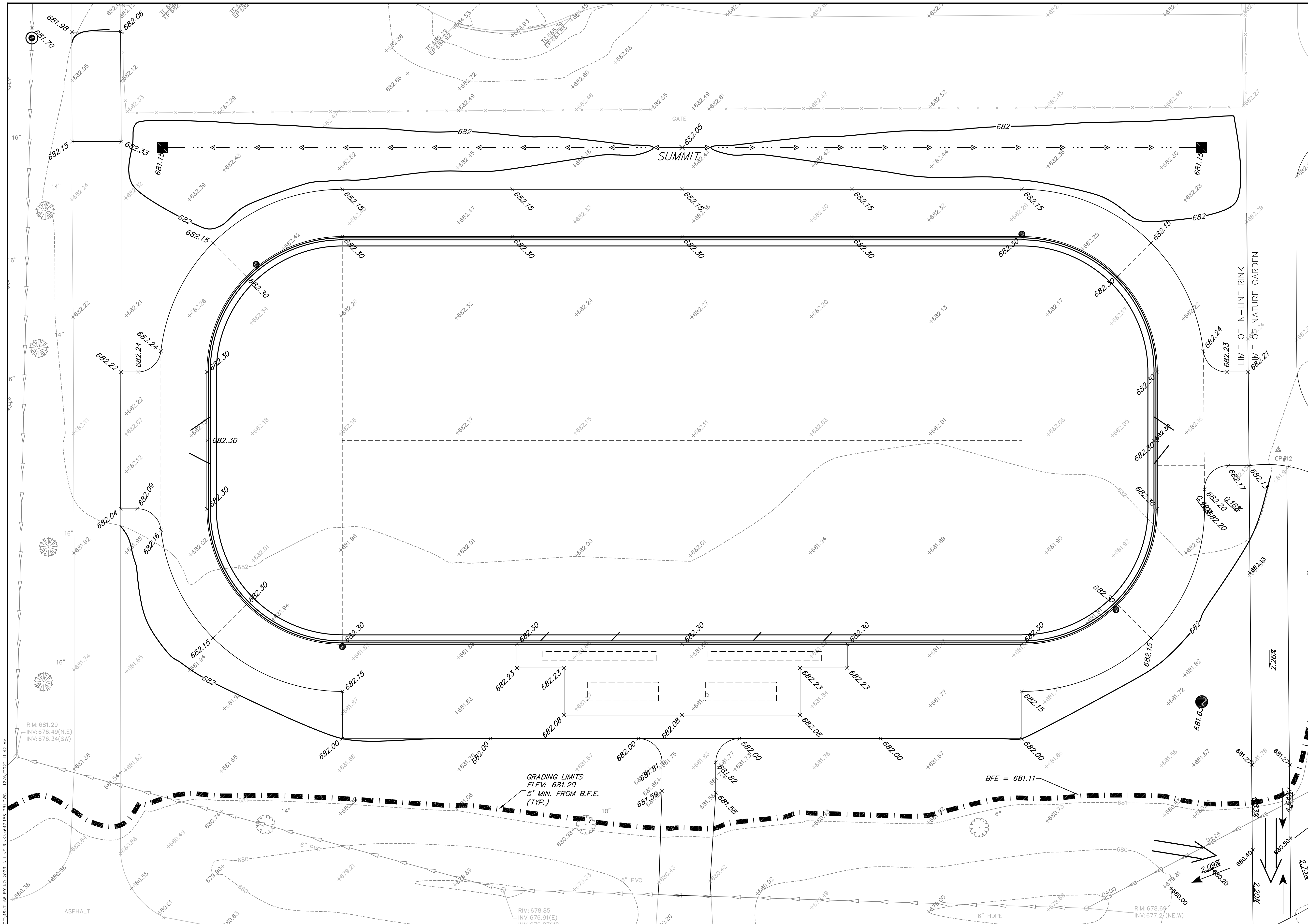
UTILITY PLAN
2023 RYLKO PARK IMPROVEMENTS - INLINE SKATE RINK REDEVELOPMENT
BUFFALO GROVE PARK DISTRICT
BUFFALO GROVE, ILLINOIS

NO.	BY	DATE	REVISION	NO.	BY	DATE	REVISION

FILE 4647.156 PRI.dwg	GHA PROJECT # 4647.155
DRAWN BY: DGC DATE: 12-05-22	SCALE: 1"=10'
CHECKED BY: JMB DATE: 12-05-22	

SHEET NUMBER:
C3
OF 12 SHEETS

P:\2023\2023 RYLKO PARK IMPROVEMENTS - INLINE SKATE RINK REDEVELOPMENT\2023 RYLKO PARK IMPROVEMENTS - INLINE SKATE RINK REDEVELOPMENT.dwg 12/05/2022 11:42 AM



GRADING LEGEND

- PROPOSED SPOT ELEVATION
- CONTOUR
- SUMMITS
- SLOPES
- SWALES

GRADING PLAN 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 as shown on the plans and notes throughout the entire plan set.
3. Refer to General Notes for grading, compaction and proof roll requirements.
4. Crushed concrete is not permitted for use in this project.
5. 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.
6. 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.
7. All structures shall be adjusted to meet finished turf and pavement grades.
8. Refer to soil erosion and sediment control notes and details for seed and blanket requirements for temporary stabilization.
9. Refer to geometric plan or SESC plan for final restoration requirements.
10. Contractor shall provide the following as-constructed documents at the conclusion of the project:
 - a. Inline Rink Flat Curb
 - Top of berm, overflow, and bottom of basin elevations
11. Refer to SESC Plan for sequence of construction. Note 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.
12. 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.
13. All lawn areas disturbed as a result of construction shall be restored to preconstruction lawn condition following restoration requirements.

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

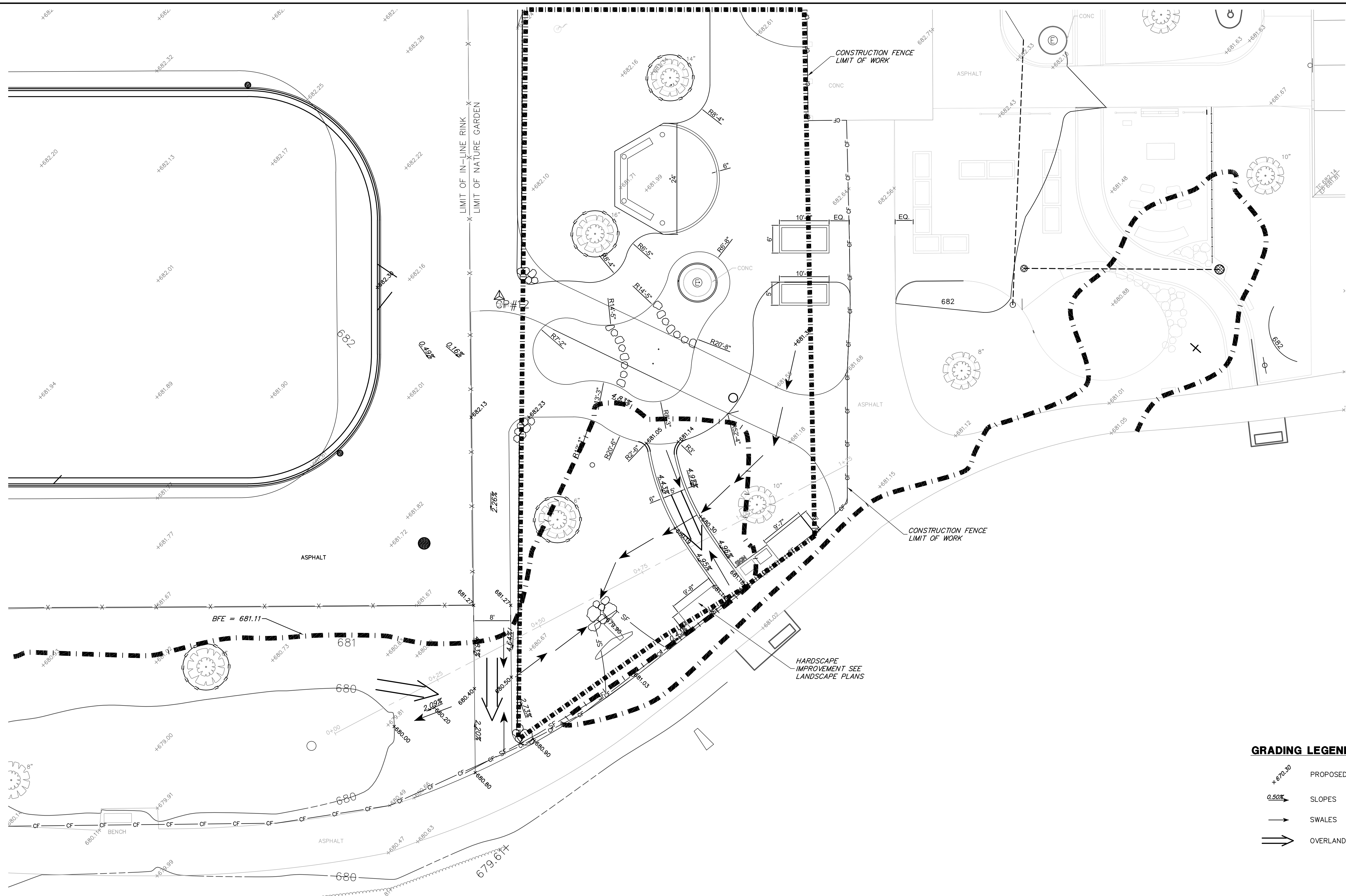
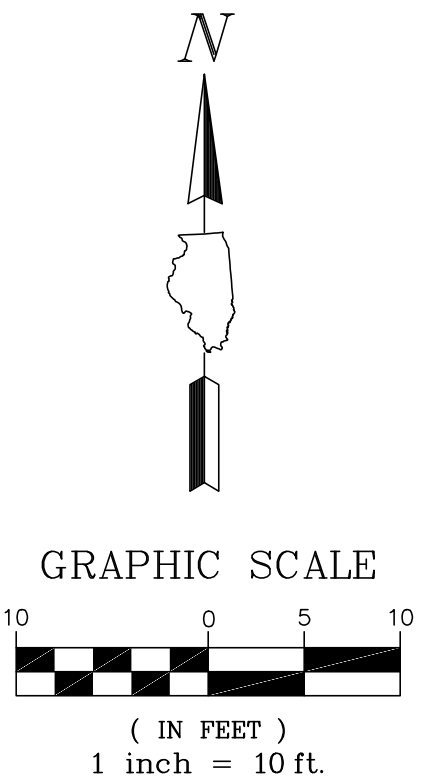
COPYRIGHT NOTICE
 This drawing is the property of Gewalt-Hamilton Assoc., Inc. and is not to be used for any purpose other than the specific project and site named herein, and cannot be reproduced in any manner without the express written permission from Gewalt-Hamilton Associates, Inc.

GRADING PLAN

2023 RYLKO PARK IMPROVEMENTS - INLINE SKATE RINK REDEVELOPMENT
BUFFALO GROVE PARK DISTRICT
BUFFALO GROVE, ILLINOIS

NO.	BY	DATE	REVISION

FILE 4647.156 PRI.dwg	SHEET NUMBER:
DRAWN BY: DGC	GHA PROJECT #
DATE: 12-05-22	4647.155
CHECKED BY: JMB	SCALE:
DATE: 12-05-22	1"=10'
	C4
	OF 12 SHEETS



GRADING LEGEND

	PROPOSED SPOT ELEVATION
	SLOPES
	SWALES
	OVERLAND FLOW ROUTE

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

COPYRIGHT NOTICE
 This drawing is the property of Gewalt-Hamilton Assoc., Inc. and is not to be used for any purpose other than the specific project and site named herein, and cannot be reproduced in any manner without the express written permission from Gewalt-Hamilton Associates, Inc.

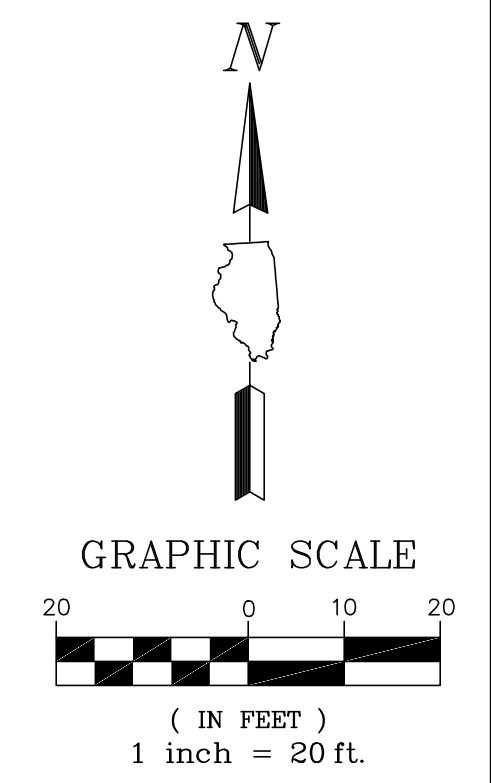
NATURE GARDEN & GRADING PLAN
2023 RYLKO PARK IMPROVEMENTS
BUFFALO GROVE PARK DISTRICT
BUFFALO GROVE, ILLINOIS

NO.	BY	DATE	REVISION	NO.	BY	DATE	REVISION

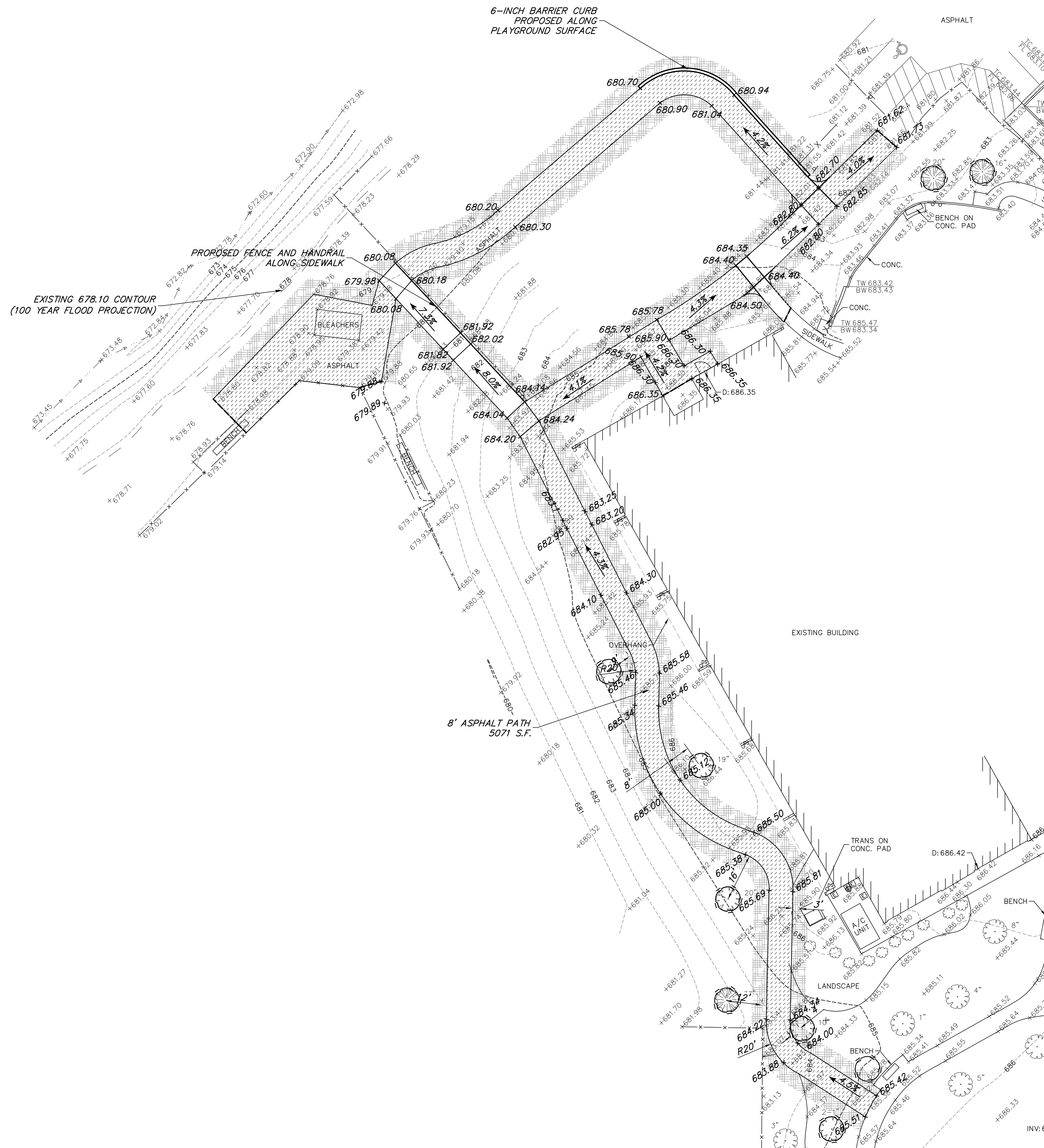
FILE 4647.156 PR1.dwg
 DRAWN BY: DGC
 DATE: 12-05-22
 GHA PROJECT # 4647.155
 CHECKED BY: JMB
 DATE: 12-05-22
 SCALE: 1"=10'

SHEET NUMBER:
C5
 OF 12 SHEETS

17/05/2022 11:42 AM
 P:\1705\2022\170522\170522.dwg
 17/05/2022 11:42 AM
 P:\1705\2022\170522\170522.dwg



GEOMETRIC AND PAVING PLAN
SEE GEOMETRIC AND PAVING PLAN SHEET NOTES ON PLAN SET SHEET 4



NOTES:

1. SET 1/2" EXPANSION JOINTS AT POINTS ABUTTING CURB OR PAVEMENT AND AT 60' MAX. INTERVALS.
2. CONTROL JOINTS SHALL BE 1/8" TO 1/4" WIDE AND 1/4 OF THE SIDEWALK THICKNESS DEEP. THE EDGE OF THE CONTROL JOINTS SHALL BE GIVE A 1/4" RADIUS.
3. SIDEWALK WIDTH AS SHOWN ON PLANS.
4. SIDEWALK JOINTS SHALL MATCH CURB CONTROL AND CONSTRUCTION JOINTS.
5. ADD 2 POUNDS POLYPROPYLENE FIBER REINFORCEMENT PER CUBIC YARD OF CONCRETE. FIBERS PROVIDED BY W.R. GRACE OR APPROVED EQUAL.

GEWALT HAMILTON ASSOCIATES, INC. PCC SIDEWALK DETAIL 10.05.2021

GEWALT HAMILTON ASSOCIATES, INC. HMA PATHWAY PAVEMENT DETAIL 02.01.2021

NOTES:

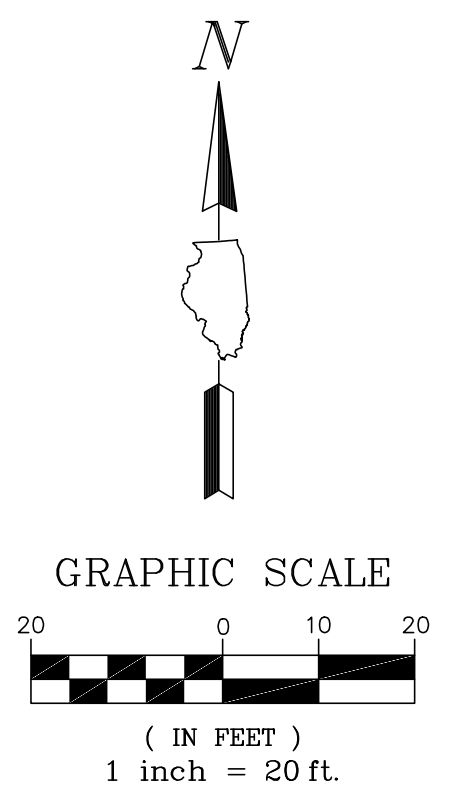
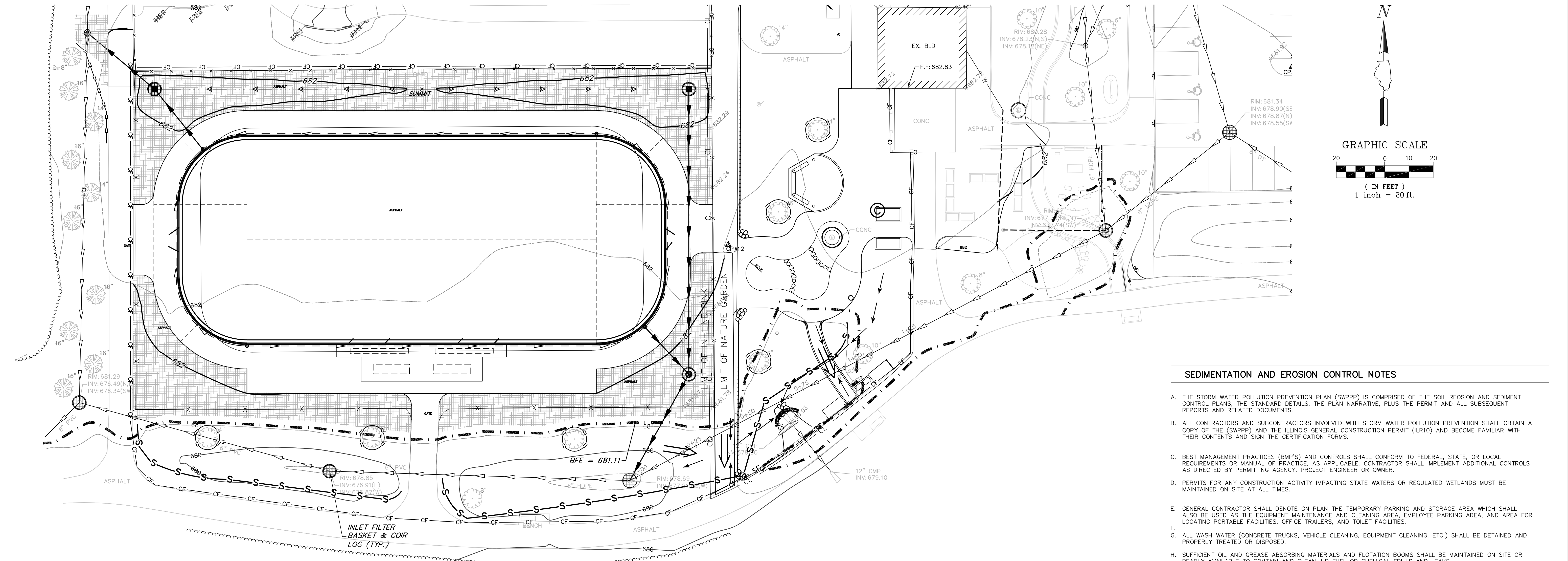
1. SET EXPANSION JOINTS AT ALL PC'S, PT'S, FIVE FEET ON EITHER SIDE OF ANY FRAMES, AND AT 45' MAX. INTERVALS.
2. SAW CUT CONTRACTION JOINTS FULL FACE AND TOP, AT LEAST 2 INCHES IN DEPTH AND AT 15' MAXIMUM INTERVALS WITHIN 24 HOURS OF POURING.
3. CURING COMPOUND REQUIRED.
4. ADD 2 POUNDS POLYPROPYLENE FIBER REINFORCEMENT PER CUBIC YARD OF CONCRETE. FIBERS PROVIDED BY W.R. GRACE OR APPROVED EQUAL.

GEWALT HAMILTON ASSOCIATES, INC. VERTICAL CURB 02.01.2021

PROPOSED LEGEND

- PCC SIDEWALK
- PATHWAY
- PAVEMENT SAWCUT
- TREE TRUNK PROTECTION FENCE

NO.	BY	DATE	REVISION	NO.	BY	DATE	REVISION



SEDIMENTATION AND EROSION CONTROL NOTES

- A. THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS COMPRISED OF THE SOIL REVISION AND SEDIMENT CONTROL PLANS, THE STANDARD DETAILS, THE PLAN NARRATIVE, PLUS THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.
- B. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE (SWPPP) AND THE ILLINOIS GENERAL CONSTRUCTION PERMIT (ILR10) AND BECOME FAMILIAR WITH THEIR CONTENTS AND SIGN THE CERTIFICATION FORMS.
- C. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY, PROJECT ENGINEER OR OWNER.
- D. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.
- E. GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES.
- F. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
- G. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
- H. DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED. WATER USE MUST NOT CAUSE ADDITIONAL EROSION.
- I. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
- J. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THIS PLAN, AND IN THE (SWPPP), SHALL BE INITIATED AS SOON AS PRACTICABLE.
- K. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT, WASHING SHALL BE IMPLEMENTED AND PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.
- L. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED BY THE END OF THE DAY.
- M. ON-SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE PLAN AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
- N. ERODIBLE STOCKPILES MUST BE ENCLOSED WITH SILT FENCE BY THE END OF THE WORK DAY.
- O. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
- P. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY. THIS INCLUDES BACKFILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION.
- Q. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
- R. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
- S. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN 7 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR REDISTURBANCE.
- T. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE PROPERTY OWNER SHALL ULTIMATELY BE RESPONSIBLE FOR MAINTENANCE AND REPAIR.
- U. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (e.g. SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURE).
- V. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.

SEQUENCE OF MAJOR ACTIVITIES

1. OWNER FILES NOTICE OF INTENT (NOI) AT LEAST 30 DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION OPERATIONS.
2. INSTALLATION OF SOIL EROSION AND SEDIMENT CONTROL MEASURES.
 - ORANGE CONSTRUCTION FENCING AND/OR SILT FENCE AROUND WETLANDS AND OTHER AREAS NOT TO BE DISTURBED.
 - PERIMETER SILT FENCE.
 - STABILIZED CONSTRUCTION ENTRANCE WITH WASH RACK.
 - INLET PROTECTION ON EXISTING STRUCTURES CLOSE TO THE DISTURBED AREA.
3. CONTRACTOR PERFORMS WEEKLY AND "AFTER RAIN EVENT" INSPECTIONS STARTING UPON DISTURBANCE OF THE SITE (DEMOLITION OR INSTALLATION OF SOIL EROSION AND SEDIMENT CONTROL MEASURES).
4. DEMOLITION
5. TREE REMOVAL WHERE NECESSARY (CLEAR & GRUB).
6. CONSTRUCT SEDIMENT TRAPPING DEVICES (SEDIMENT TRAPS, BASINS AND SEDIMENT REMOVAL CHANNELS).
7. DEWATER INTO SEDIMENT REMOVAL CHANNEL, WHICH DISCHARGES TO AN UPLAND AREA. THE HOSE IN THE AREA BEING DEWATERED MUST BE ATTACHED TO A FLOATING DEVICE WITH A SCREEN.
8. CONSTRUCT DETENTION FACILITIES AND OUTLET CONTROL STRUCTURE WITH RESTRICTOR AND TEMPORARY PERFORATED RISER. PERMANENTLY STABILIZE THE AREA WITH TOPSOIL, SEED AND EROSION CONTROL BLANKET.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING PLANT GROWTH IN BOTTOM AND SIDE SLOPES OF BASIN. DEWATERING, AS NEEDED, SHALL BE INCIDENTAL TO THE CONTRACTOR'S SCOPE.
10. ABANDON THE EXISTING SITE STORM DRAINAGE; PROTECTION OF POINTS OF ENTRY INTO EXISTING STORM DRAINAGE SYSTEM.
11. STRIP TOPSOIL, STOCK TOPSOIL AND GRADE SITE.
12. TEMPORARY CONTAINMENT OF SOIL/AGGREGATE STOCKPILES (SEED AND SILT FENCE AROUND TOE OF SLOPE).
13. INSTALL UTILITIES AND ASSOCIATED INLET & OUTLET PROTECTION.
14. CONSTRUCT BUILDING AND PAVEMENT.
15. FINE GRADE.
16. INSTALL TOPSOIL, SEED, AND PERMANENT EROSION CONTROL.
17. REMOVE TEMPORARY EROSION CONTROL MEASURE - ONLY - WHEN SITE HAS ACHIEVED FULL STABILIZATION.
18. OWNER TO FILE NOTICE OF TERMINATION (NOT).

SESC LEGEND

- TOPSOIL FURNISH AND PLACE, 6" MIN. SEEDING, CLASS 1, SEED RATE 8 LBS/1000 SF, PENN MULCH
- ROCK CONSTRUCTION ENTRANCE
- SILT FENCE INSTALLATION
- CONSTRUCTION FENCE INSTALLATION
- STORM SEWER INLET PROTECTION: - INLET FILTER BASKET
- INLET FILTER BASKET & COIR LOG
- COIR LOG
- CONCRETE WASHOUT

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

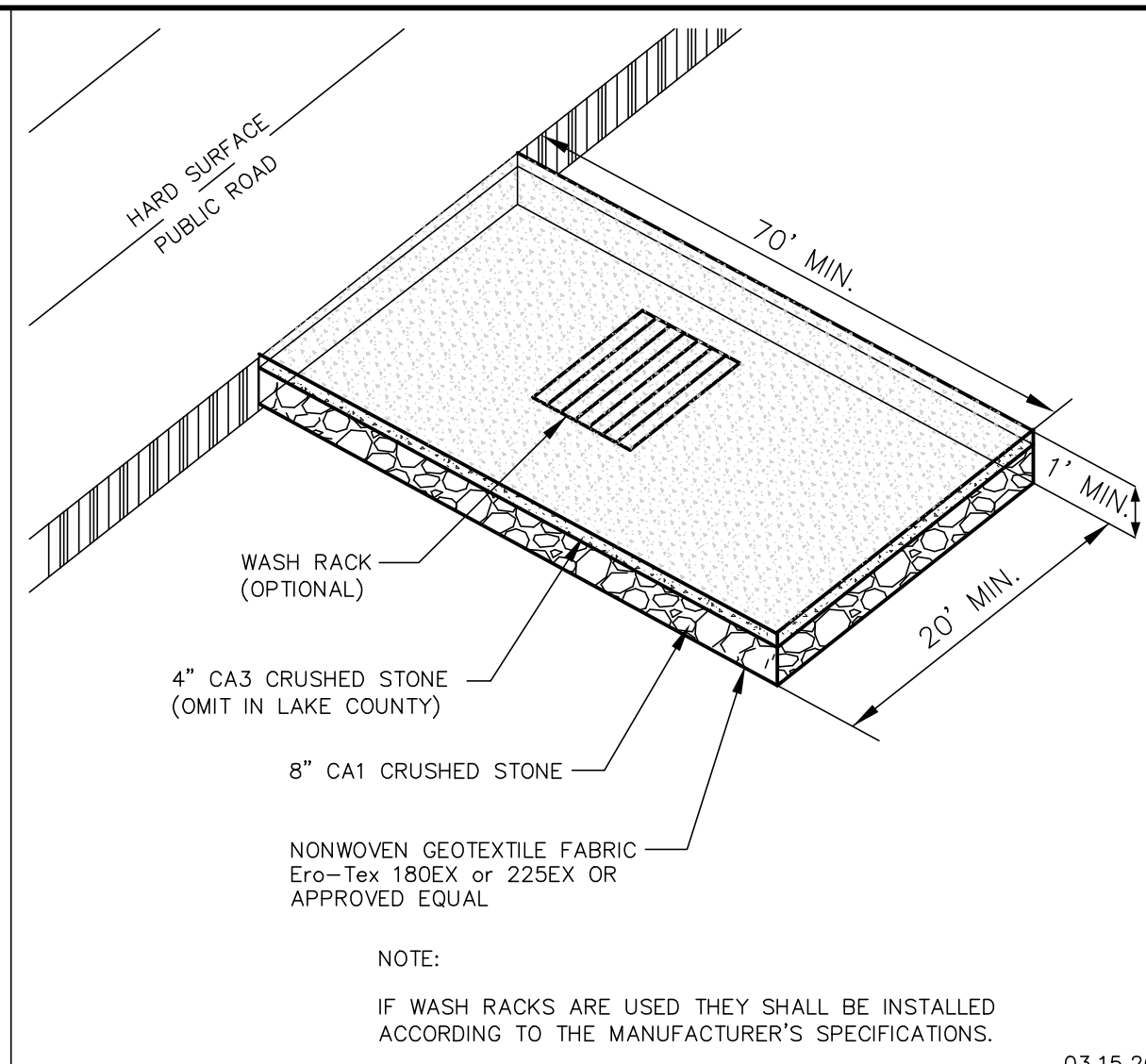
COPYRIGHT NOTICE
This drawing is the property of Gewalt-Hamilton Assoc., Inc. and is not to be used for any purpose other than the specific project and site named herein, and cannot be reproduced in any manner without the express written permission from Gewalt-Hamilton Associates, Inc.

SOIL EROSION & SEDIMENT CONTROL PLAN
2023 RYLKO PARK IMPROVEMENTS - INLINE SKATE RINK REDEVELOPMENT
BUFFALO GROVE PARK DISTRICT
BUFFALO GROVE, ILLINOIS

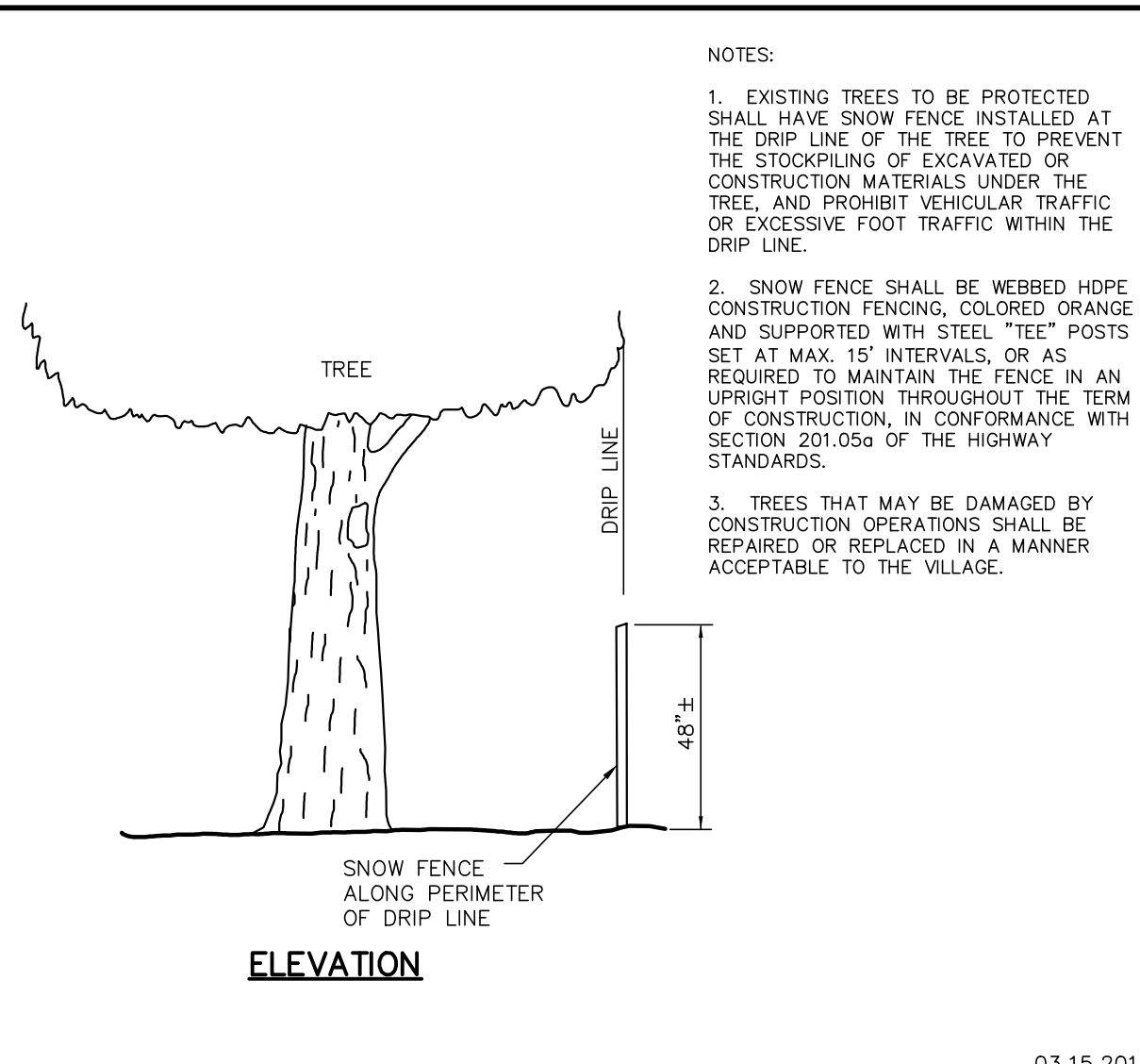
NO.	BY	DATE	REVISION

FILE 4647.156 PR1.dwg	SHEET NUMBER: C7
DRAWN BY: DGC	GHA PROJECT # 4647.155
DATE: 12-05-22	SCALE: 1"=20'
CHECKED BY: JMB	OF 12 SHEETS
DATE: 12-05-22	

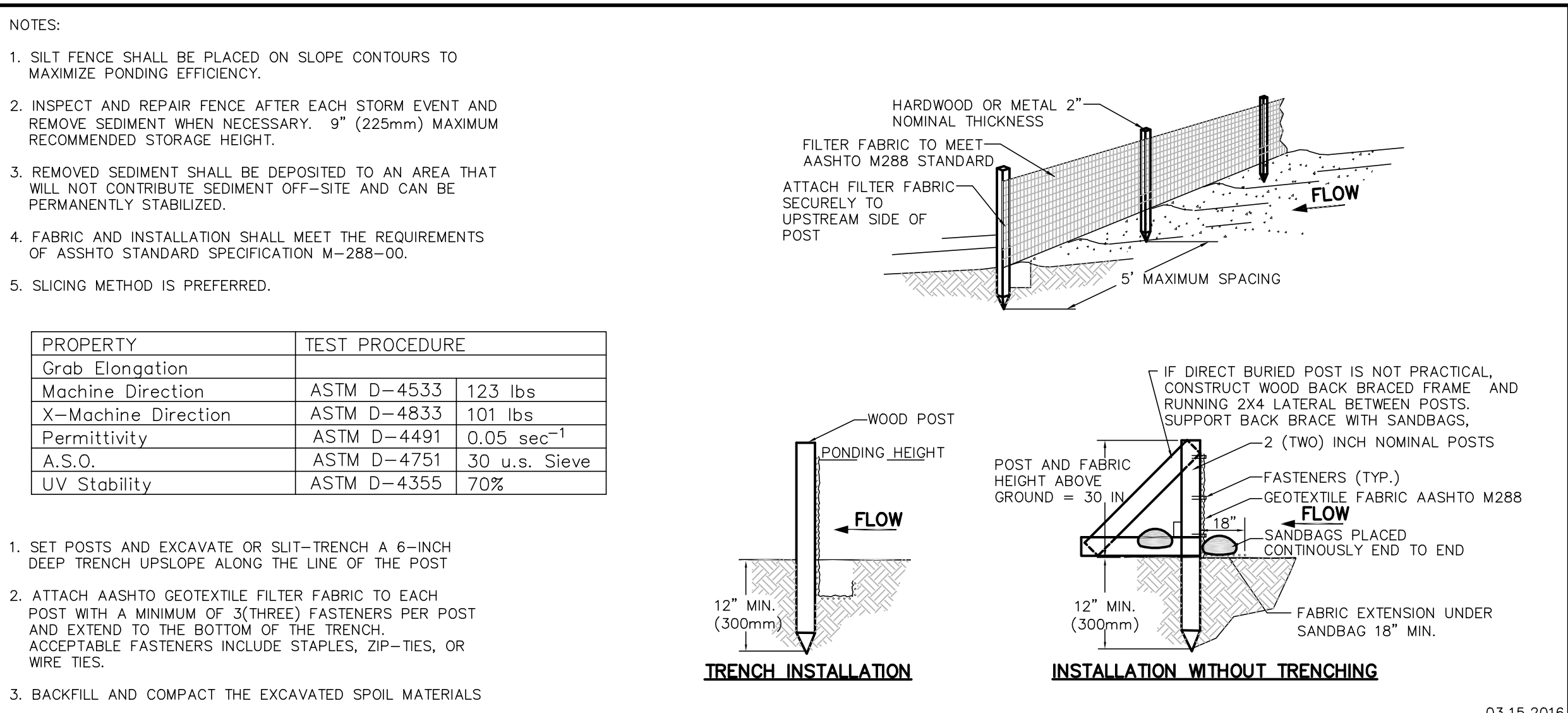
© 2022 GEWALT HAMILTON ASSOCIATES, INC. ALL RIGHTS RESERVED. 12/05/2022 11:42 AM



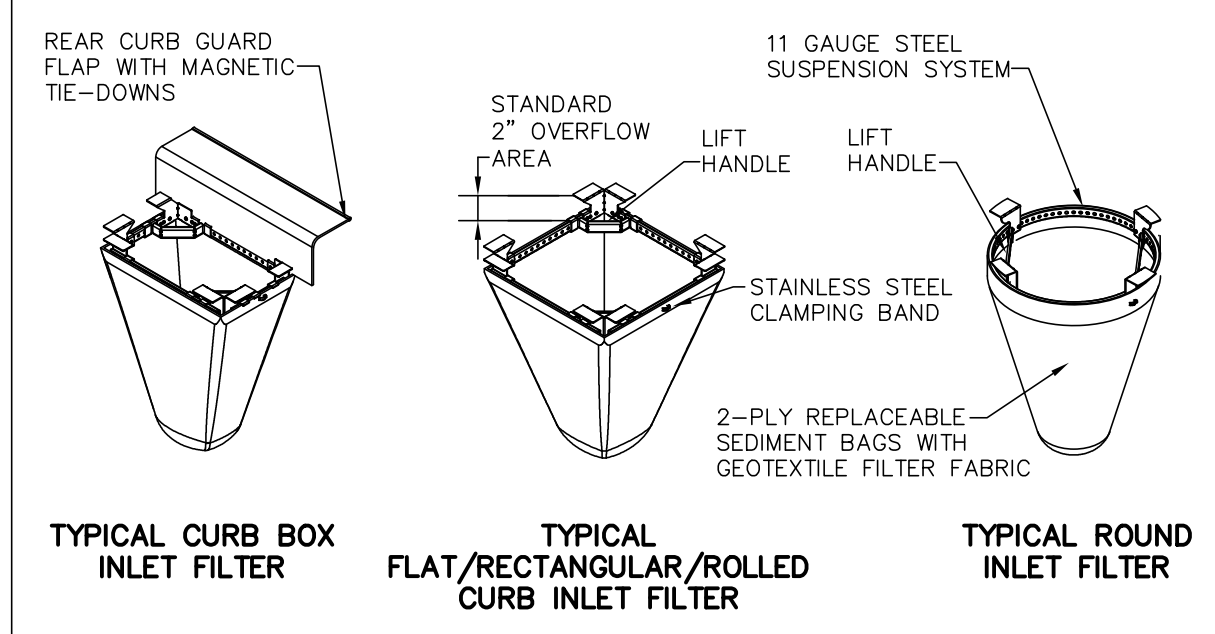
TEMPORARY CONSTRUCTION ENTRANCE



TREE PROTECTION FENCING DETAIL

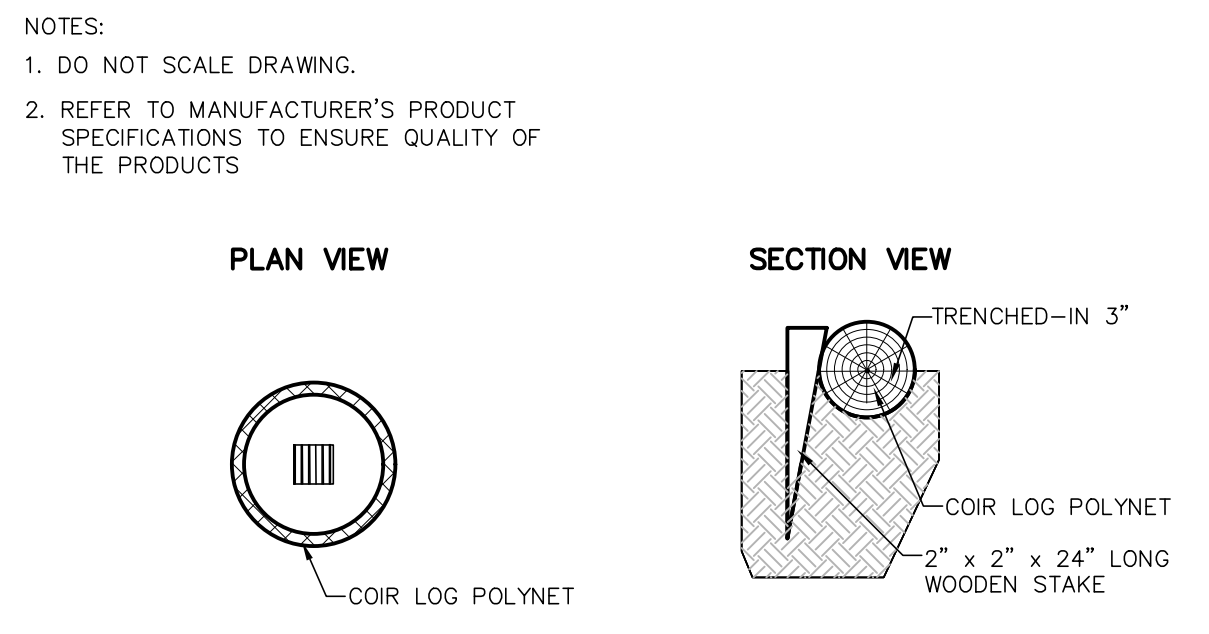


SILT FENCE INSTALLATION DETAIL



Material Property	Test Method	Value (min. ave.)
> Inner Filter Bag Specs (21\"/>		

INLET FILTER BASKET DETAIL

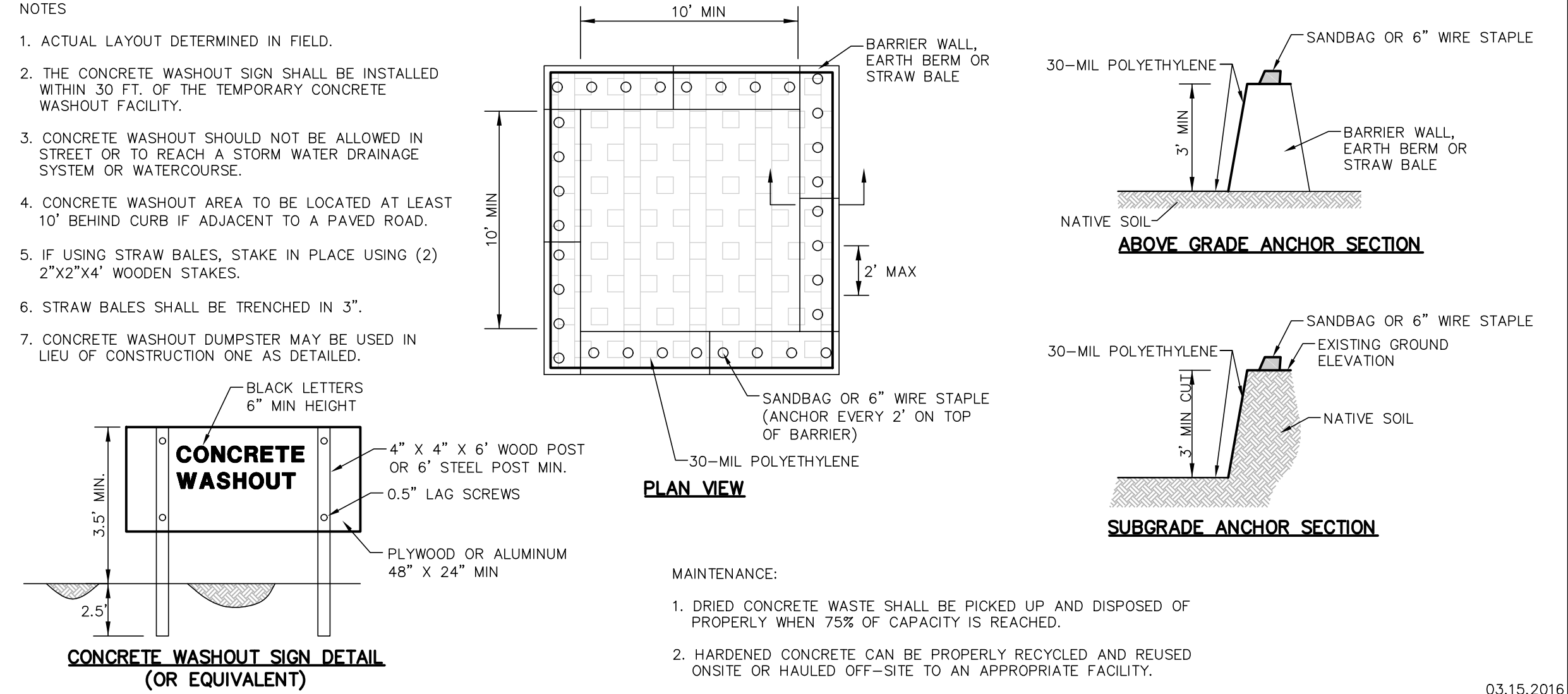


COIR ROLL DETAIL INLET PROTECTION

MAINTENANCE:
1. CLEAN OUT AFTER EVERY RAIN EVENT

ACCEPTABLE MANUFACTURER'S AS LISTED BELOW:
1. INLET & PIPE PROTECTION, INC. Naperville, IL 60564 847 722-0690
2. MARATHON MATERIALS, INC. Plainfield, IL 60544 800-983-9493

COIR ROLL DETAIL INLET PROTECTION



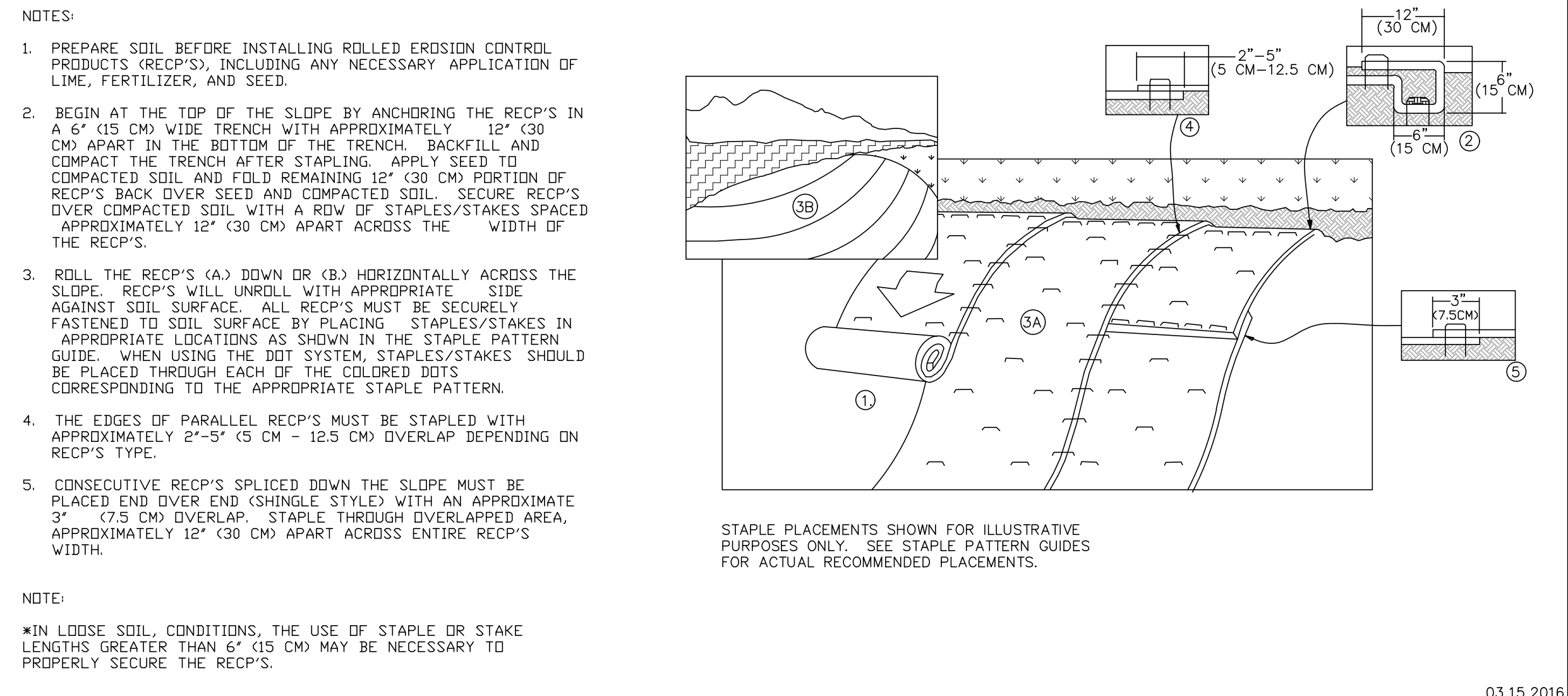
CONCRETE WASHOUT

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

TYPICAL SOIL PROTECTION CHART

A = KENTUCKY BLUEGRASS @ 90 LBS./AC. MIXED WITH PERENNIAL RYEGRASS @ 30 LBS./AC.
 B = KENTUCKY BLUEGRASS @ 135 LBS./AC. MIXED WITH PERENNIAL RYEGRASS @ 45 LBS./AC.
 C = SPRING OATS @ 100 LBS./AC.
 D = WHEAT OR CEREAL RYE @ 150 LBS./AC.
 E = SOO
 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.
 NOTE:
 SPRAYED ON PRODUCTS CANNOT BE USED NOV.-FEB.

TYPICAL SOIL PROTECTION CHART



EROSION CONTROL BLANKET SLOPE INSTALLATION

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 ILLICIT DISCHARGES FROM THE SITE.

UTILITY NOTES

- UNDERGROUND WORK SHALL INCLUDE TRENCHING, DISPOSAL OF EXCESS MATERIAL, DEWATERING, 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 DETENTION 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.
- ALL PUBLIC WATER MAINS AND SANITARY SEWER MAINS MUST BE ACCEPTED BY THE **VILLAGE OF BUFFALO GROVE**.
- THE SEWER AND WATER CONTRACTOR SHALL BE REQUIRED TO BE LICENSED AND BONDED WITH THE **VILLAGE OF BUFFALO GROVE** BEFORE WORK IS STARTED.
- CONTRACTOR SHALL NOTIFY THE **VILLAGE OF BUFFALO GROVE (847-457-2500) 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 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 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 , 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 TIE 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 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.



STORMWATER MANAGEMENT COMMISSION

TYPICAL CONSTRUCTION SEQUENCING

- Installation of soil erosion and sediment control SE/SC measures
 - Selective vegetation removal for silt fence installation
 - Silt fence installation
 - Construction fencing around areas not to be disturbed
 - Stabilized construction entrance
- Tree removal where necessary (clear & grub)
- Construct sediment trapping devices (sediment traps, basins...)
- Construct detention facilities and outlet control structure with restrictor & temporary perforated riser
- Strip topsoil, stockpile topsoil and grade site
- Temporarily stabilize topsoil stockpiles (seed and silt fence around toe of slope)
- Install storm sewer, sanitary sewer, water and associated inlet & outlet protection
- Permanently stabilize detention basins with seed and erosion control blanket
- Temporarily stabilize all areas including lots that have reached temporary grade
- Install roadways
- Permanently stabilize all outlot areas
- Install structures and grade individual lots
- Permanently stabilize lots
- 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

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

- SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
- 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.
- 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.
- A STABILIZED MAT OF CRUSHED STONE MEETING IDOT 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.
- TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN.
- DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR REDISTURBANCE.
- ALL STOCKPILES SHALL HAVE APPROPRIATE MEASURES TO PREVENT EROSION. STOCKPILES SHALL NOT BE PLACED IN FLOOD PRONE AREAS OR WETLANDS AND DESIGNATED BUFFERS.
- SLOPES STEEPER THAN 3H:1V SHALL BE STABILIZED WITH APPROPRIATE MEASURES AS APPROVED BY THE ENFORCEMENT OFFICER.
- APPROPRIATE EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL INTERIOR DETENTION BASIN SIDE SLOPES BETWEEN THE NORMAL WATER LEVEL AND HIGH WATER LEVEL.
- STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
- IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DISCHARGES SHALL BE ROUTED THROUGH AN APPROVED ANIONIC POLYMER DEWATERING SYSTEM OR A SIMILAR MEASURE AS APPROVED BY THE ENFORCEMENT OFFICER. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE ENFORCEMENT OFFICER, OR APPROVED REPRESENTATIVE, MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.
- IF INSTALLED 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.
- 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.
- 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.
- 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.

NON-WOVEN	STYLE DESCRIPTION	STANDARDS/REQUIREMENTS
LIGHT DUTY	UNDERDRAIN FABRIC	3.5 oz
		MINIMUM GRAD TENSILE ASTM D4632 = 90 LBS
		MINIMUM TRAPEZOID TEAR ASTM D4533 = 40 LBS
		MINIMUM FLOW RATE ASTM D4491 = 150 GAL/MIN/SQFT

STORM SEWERS	MODEL/SPECIFICATION	STANDARDS/REQUIREMENTS
UNDERDRAINS	PVC SDR 26	PIPE:ASTM D-3034 JOINT:ASTM D-3212
FRAME & GRATE/LID	PVC SDR 26	PIPE:ASTM D-3034 JOINT:ASTM D-3212
	CLEANOUT	CLOSED LID: NEEENAH R-1976
	GRASS AREAS	OPEN LID: NEEENAH R-4350-B TYPE 8
ADJUSTMENT RINGS	CONCRETE	4" MINIMUM, 12" MAXIMUM
PIPE BEDDING MATERIAL	CA-11	
TRENCH BACKFILL	CA-6	
TRENCH BACKFILL UNDERDRAIN	CA7/CA-11	CRUSHED CONCRETE NOT ALLOWED, ALL STONE MUST BE WASHED

GENERAL NOTES & SESC NOTES

**2023 RYLKO PARK IMPROVEMENTS - INLINE SKATE RINK REDEVELOPMENT
BUFFALO GROVE PARK DISTRICT
BUFFALO GROVE, ILLINOIS 60089**

NO.	BY	DATE	REVISION	NO.	BY	DATE	REVISION
-----	----	------	----------	-----	----	------	----------

U:\Regulatory Program\SESC handouts\SE-SC Notes 2013 TAC-approved.docx

FILE: 4647.156 DTI.dwg

DRAWN BY: DGC GHA PROJECT #

DATE: 12-05-22 4647.022

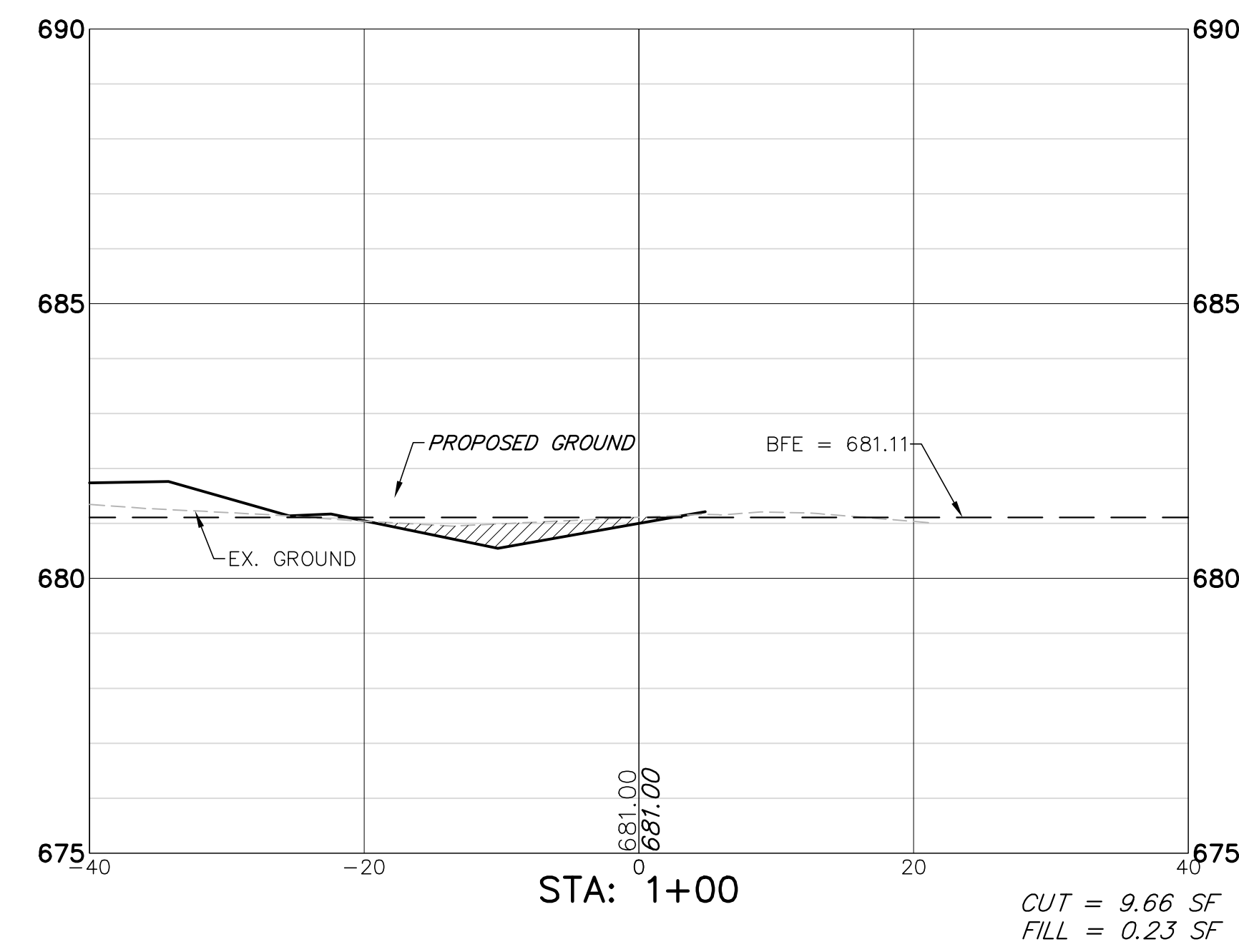
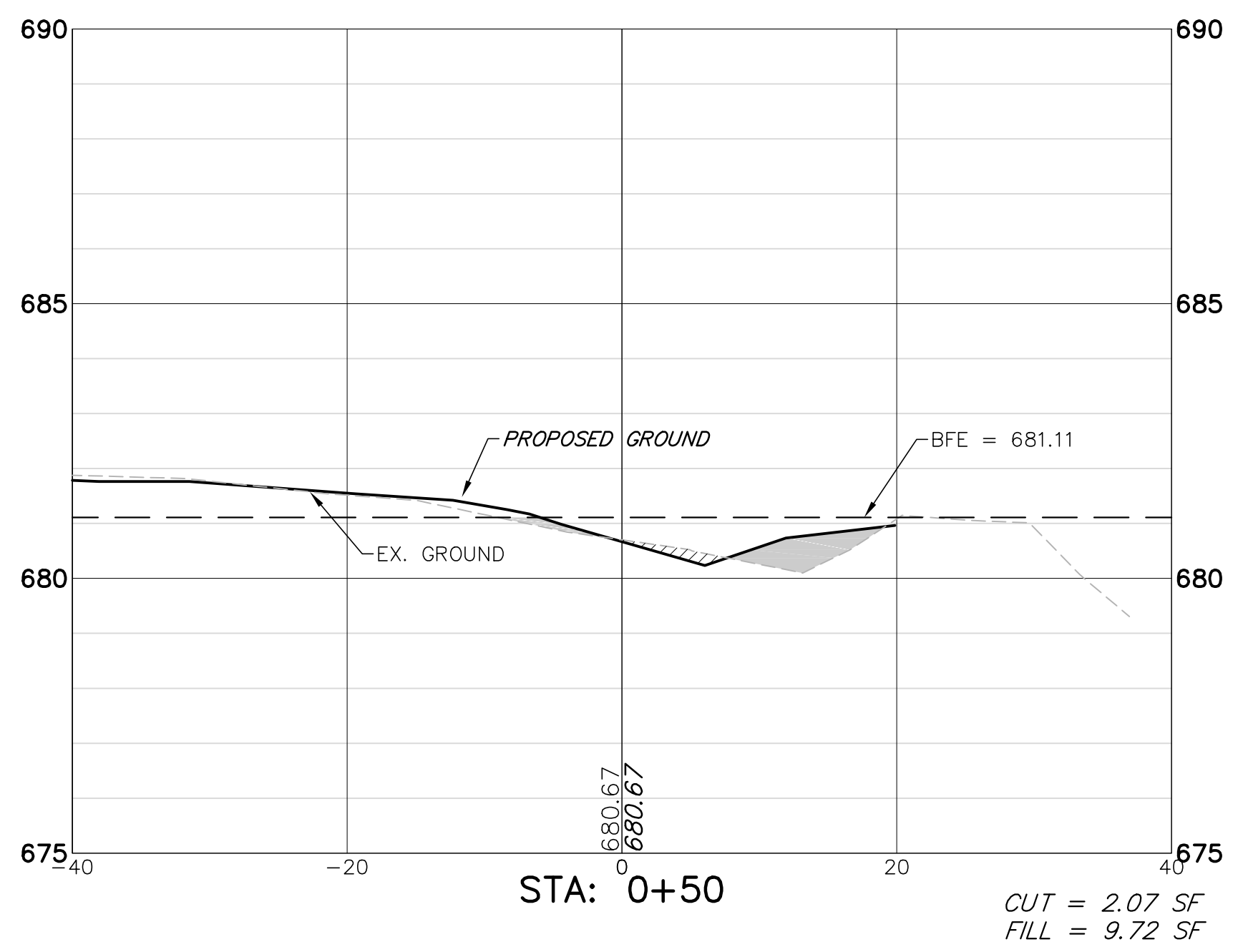
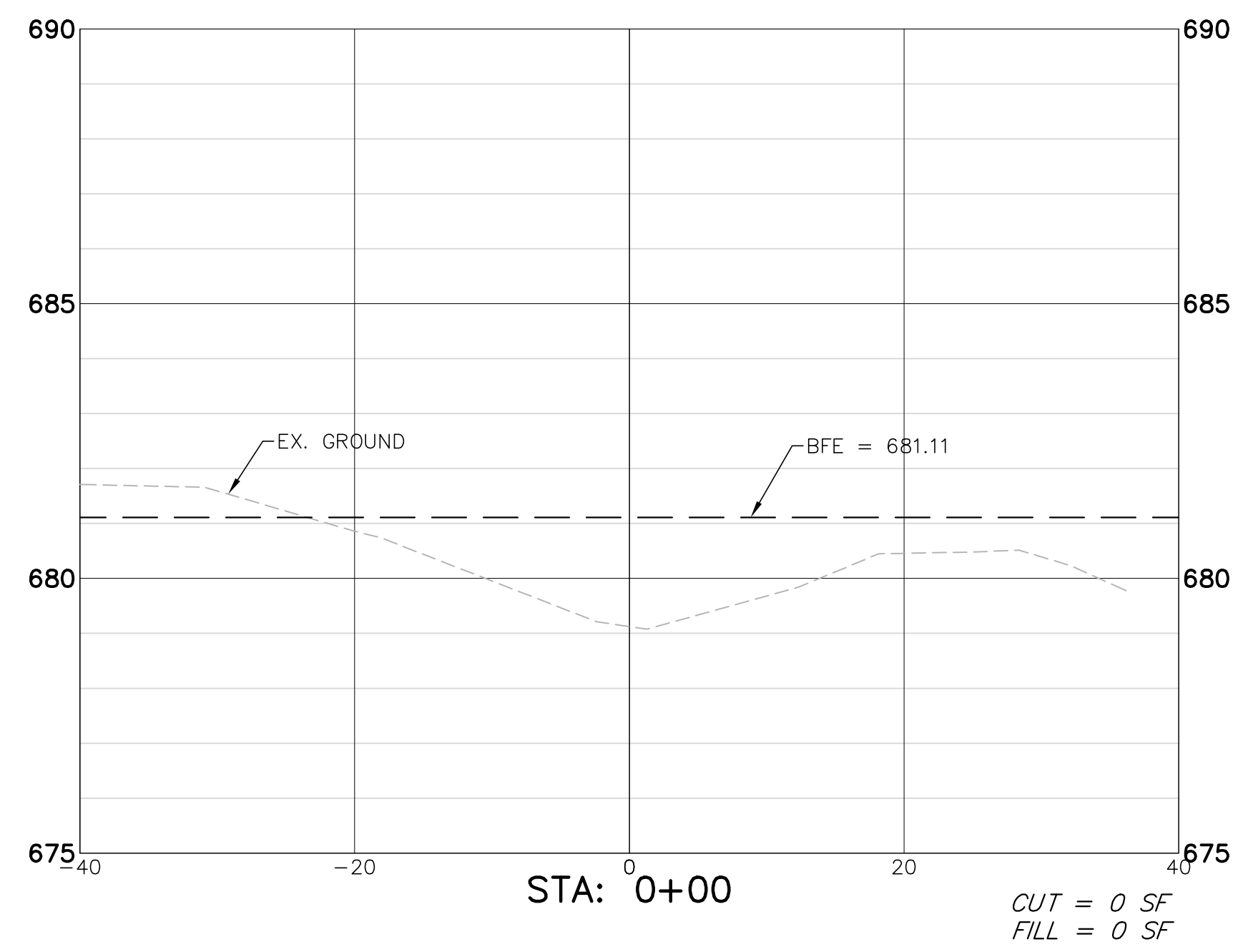
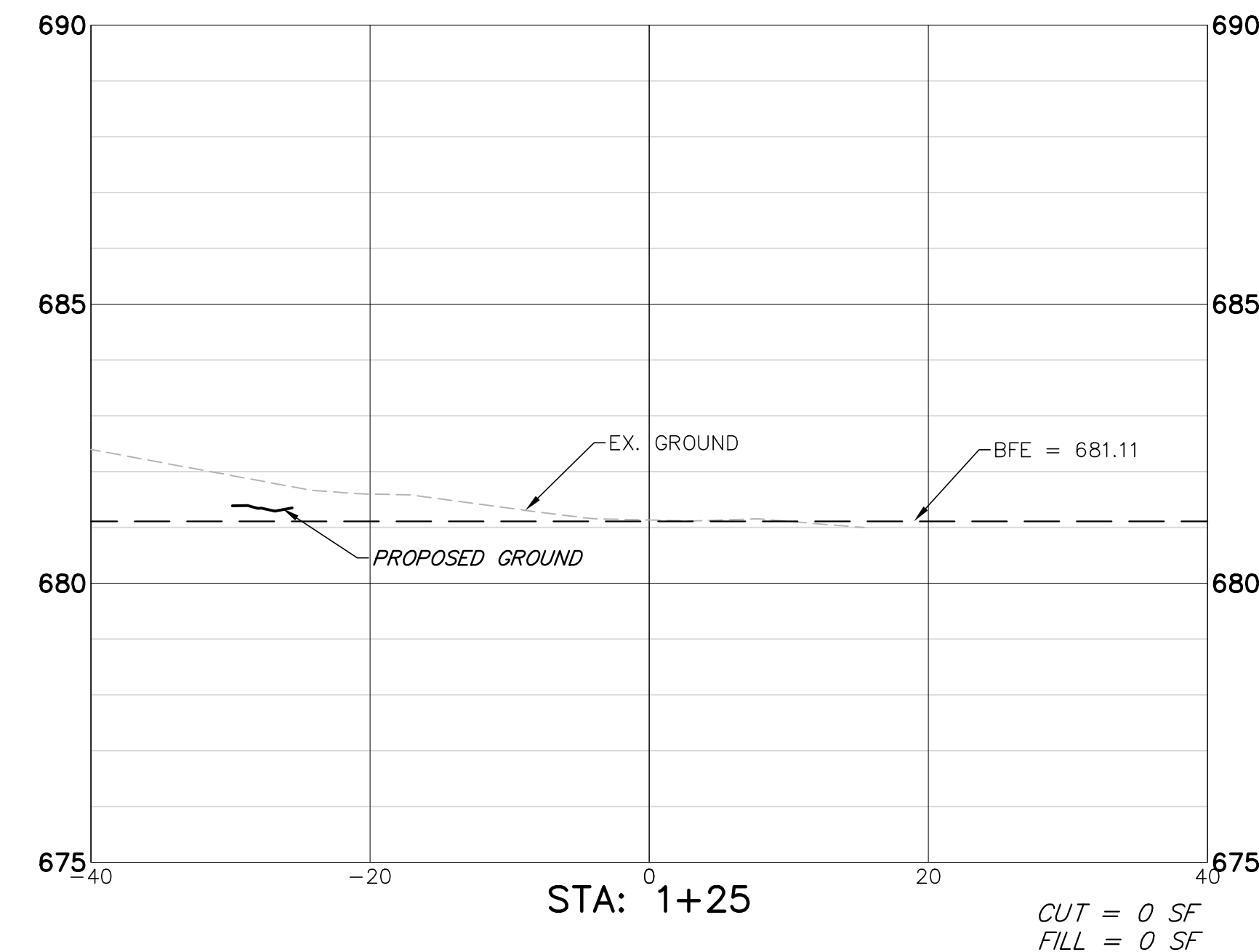
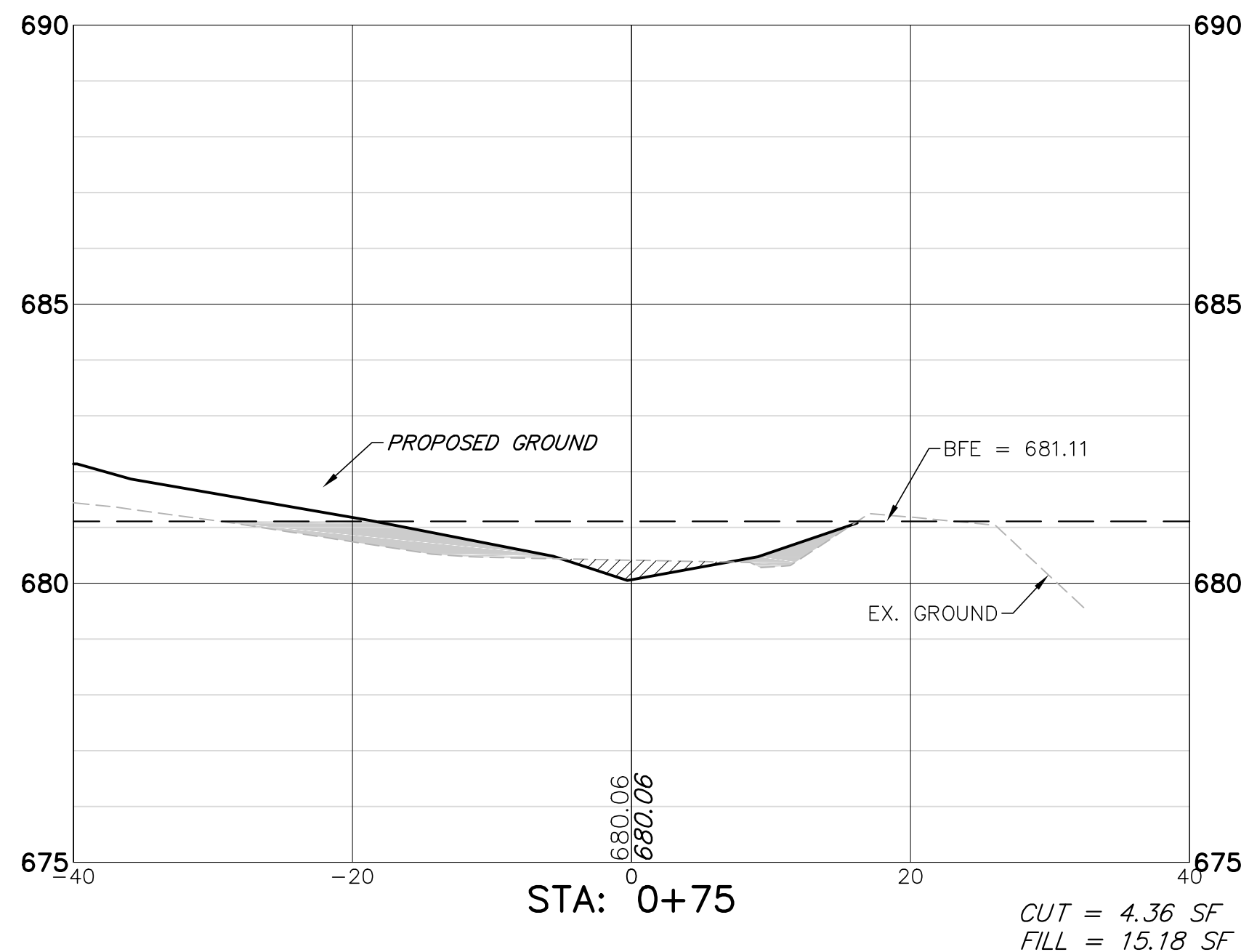
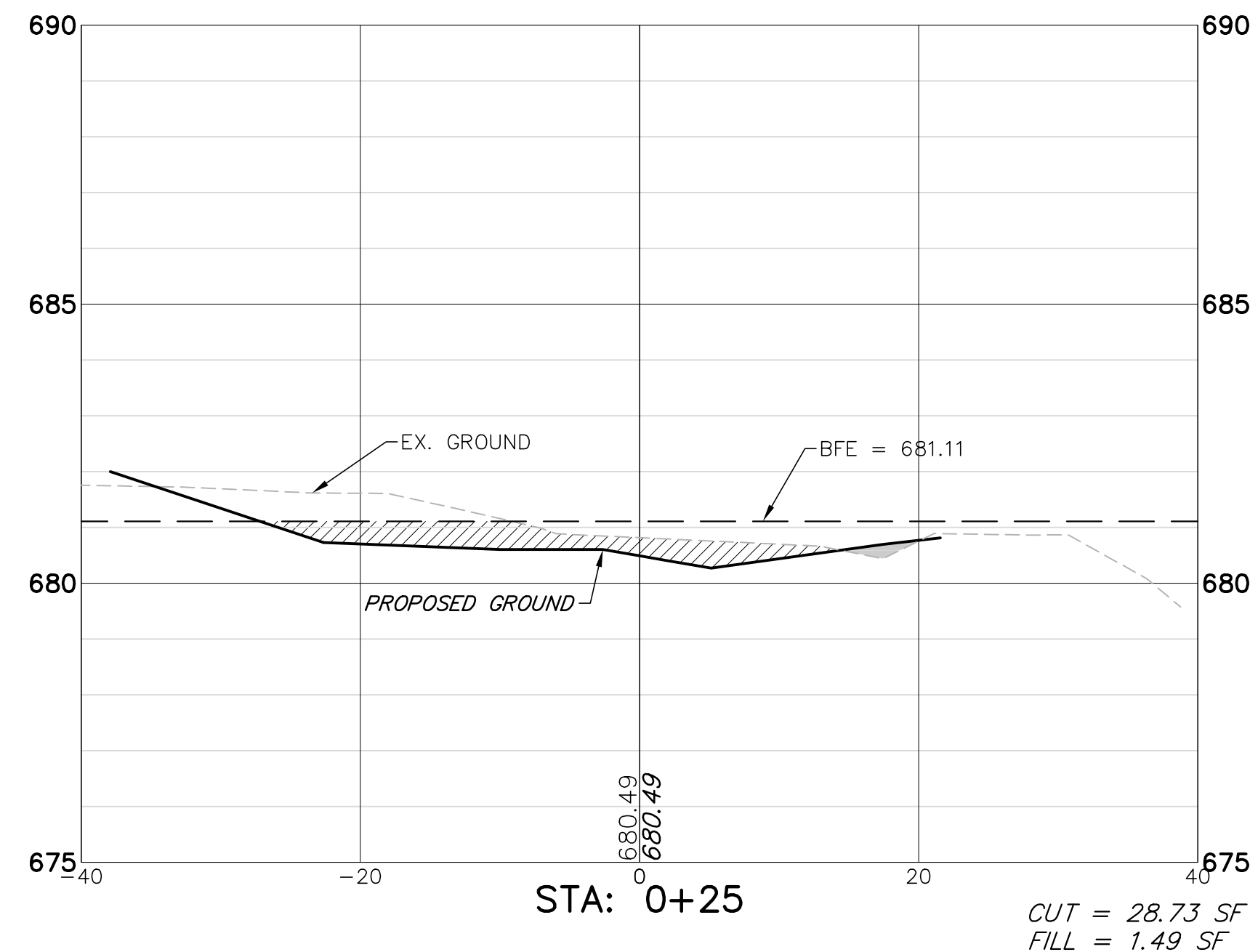
CHECKED BY: JMB SCALE:

DATE: 12-05-22 N.T.S.

SHEET NUMBER: OF 12 SHEETS

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

COPYRIGHT NOTICE
This drawing is the property of Gewalt-Hamilton Assoc., Inc. and is not to be used for any purpose other than the specific project and site named herein, and cannot be reproduced in any manner without the express written permission from Gewalt-Hamilton Associates, Inc.

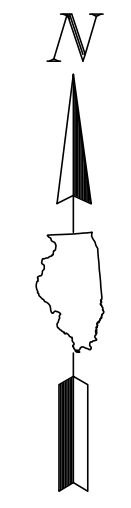


LEGEND
 CUT
 FILL

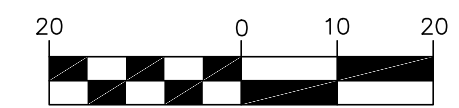
NO.	BY	DATE	REVISION	NO.	BY	DATE	REVISION

FILE 4647.156 PR1.dwg	GHA PROJECT # 4647.155
DRAWN BY: DGC	
DATE: 12-05-22	
CHECKED BY: JMB	SCALE: 1"=10'
DATE: 12-05-22	

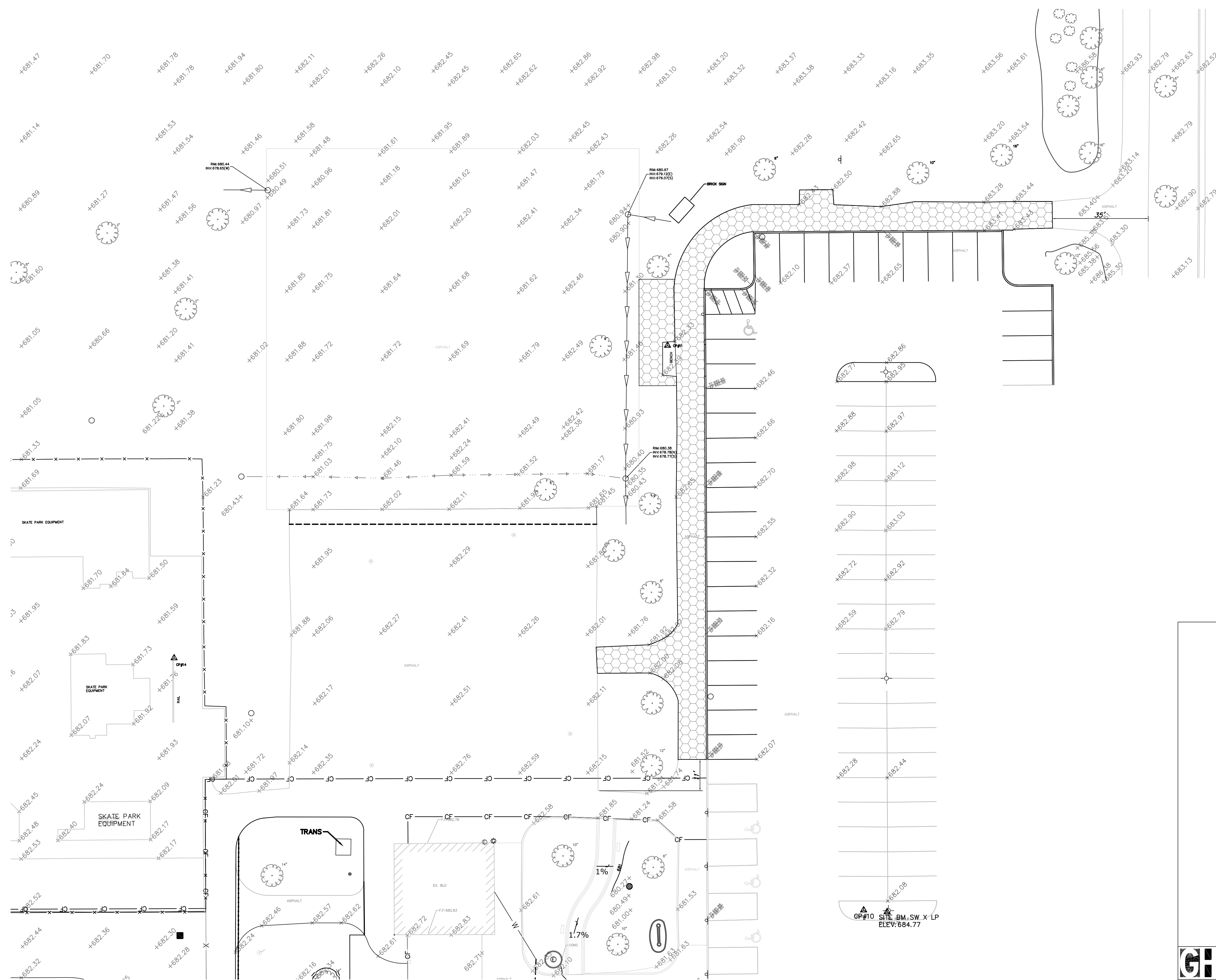
P:\2023\4647\4647.dwg 12/05/2022 11:43 AM






GRAPHIC SCALE

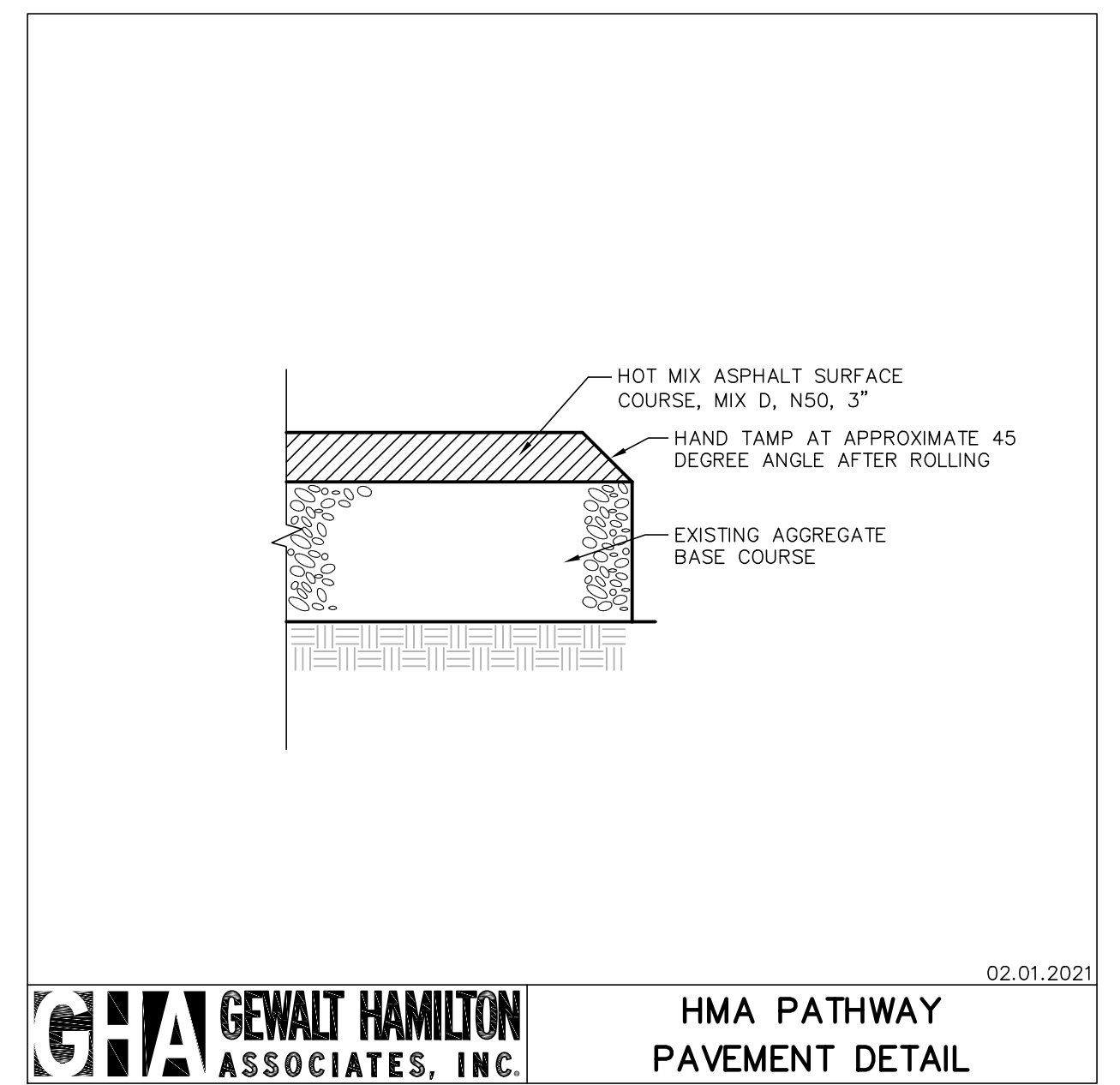


(IN FEET)
1 inch = 20 ft.



PROPOSED LEGEND

-  12"x18" FLAT CURB
-  HMA PATHWAY REMOVAL, 3"
-  HMA PATHWAY PAVEMENT



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

COPYRIGHT NOTICE
 This drawing is the property of Gewalt-Hamilton Assoc., Inc. and is not to be used for any purpose other than the specific project and site named herein, and cannot be reproduced in any manner without the express written permission from Gewalt-Hamilton Associates, Inc.

ALTERNATE D - RYLKO PATH RESURFACING
2023 RYLKO PARK IMPROVEMENTS
BUFFALO GROVE PARK DISTRICT
BUFFALO GROVE, ILLINOIS

NO.	BY	DATE	REVISION	NO.	BY	DATE	REVISION

FILE 4647.156 PR1.dwg	GHA PROJECT # 4647.155
DRAWN BY: DGC	SCALE: 1"=10'
DATE: 12-05-22	
CHECKED BY: JMB	
DATE: 12-05-22	

SHEET NUMBER:
C12
 OF 12 SHEETS

© 2023 GHA GEWALT HAMILTON ASSOCIATES, INC. ALL RIGHTS RESERVED. 12/05/2022 11:43 AM

Project Type (From Above)	Project Category (From Above)	Media File #/Name	Project Category Cost	ADA Portion of Project Category Cost	% ADA Dollars Requested
Routes and Surfaces	Design Services	Upland_Design_InLine	19400	1940	10.00%
Routes and Surfaces	Accessible Routes	Hacienda_InLine	22940	14337.5	62.50%
Routes and Surfaces	Walking Surfaces	Hacienda_InLine	10200	6375	62.50%
Routes and Surfaces	Walking Surfaces	Hacienda_InLine	15552	9720	62.50%

#DIV/0!
#DIV/0!
#DIV/0!
#DIV/0!
#DIV/0!
#DIV/0!
#DIV/0!
#DIV/0!
#DIV/0!
#DIV/0!
#DIV/0!
#DIV/0!
#DIV/0!
#DIV/0!
#DIV/0!
#DIV/0!
#DIV/0!
#DIV/0!

Total Project Cost	68092
Total ADA Portion of Project Cost	32372.5
Total % of ADA Dollars Requested	47.54%