

Engineering • Design • Consulting

## February 24, 2021

## ADDENDUM NO. 01

## Project: Birch Park Hoffman Estates, IL WT Project #2001566C

## TO: All Plan Holders

This addendum shall be included in and become part of the Contract Documents. The above named Project Specifications and Drawings previously issued are hereby modified as follows:

## **General Clarifications**

- 1. Changes have been highlighted with revision clouds and labeled with "ADD#1".
- 2. Contractor is responsible for construction staking and layout. The individual special provisions have been updated.
- 3. Notes for the removal and replacement of the existing 18" CMP culvert underneath the new parking lot pavement are now identified as "Alternate #1" on the plan sheets. The site utility contractor is responsible for all demolition of existing utilities.
- 4. Notes for the full removal and replacement of the existing concrete sidewalks around the existing playground have been added to the plan sheets under "Alternate #2". Alternate #2 work shall be performed by the concrete contractor.
- 5. Striping for the new basketball court shall be white acrylic non-skid paint. See updated detail on Sheet C-4.3.
- 6. Excavation for the foundations shall be by the concrete contractor. The concrete contractor is responsible for the removal of all spoils created by the foundation excavation.
- 7. Bid forms for the Site Utilities, Earthwork and the Concrete Contractor have been updated to include the alternates and the scope write up has been revised.

## Project Manual (Asphalt, Concrete, Earthwork, Utility)

1. Special Provision #39: Revised "Stakes for lines and grades shall be provided once by the Owner" to "Stakes for lines and grades shall be provided by the Contractor".

## Sheets C-2.0 and C-2.1 (Site Demolition Plan)

- 1. Removed three segments of existing storm sewer located along the west side of the new parking lot. All existing utility removals shall be by the site utility contractor.
- 2. Revised project note #42 to "NOT USED."
- 3. Added project note #45 "EXISTING STORM SEWER TO BE REMOVED. PLUG BOTH ENDS OF PIPE WITH 2' LONG NON-SHRINK CONCRETE MORTOR." All existing utility removals shall be by the site utility contractor.



- 4. Alternate #1 improvements have been added. Alternate #1 includes removal of existing 18" CMP culvert and two trees at south driveway apron. All existing utility removals shall be by the site utility contractor.
- 5. Added Alternate #1 Note #1, "EXISTING 18" CMP TO BE REMOVED."
- 6. Added Alternate #1 Note #2, "EXISTING TREE TO BE REMOVED. (BY OWNER).
- 7. Alternate #2 improvements have been added. Alternate #2 includes removal of entire playground concrete sidewalk and concrete playground curb by the concrete contractor.
- 8. Added Alternate #2 Note #3, "EXISTING CONCRETE PAVEMENT TO BE REMOVED FULL DEPTH TO MEET THE BOTTOM OF THE PROPOSED PAVEMENT CROSS SECTIONS (PROPOSED SUBGRADE ELEVATION). SEE THE SITE DEVELOPMENT DETAILS FOR THE PROPOSED PAVEMENT CROSS SECTIONS AND THE SITE GRADING PLAN FOR THE PROPOSED FINISHED GRADES."
- 9. Added Alternate #2 Note #4, "EXISTING CONCRETE CURB TO BE REMOVED."

## Sheets C-3.1 (Site Geometric Plan)

1. Added Alternate #2 improvements consisting of new concrete sidewalk and playground curb around the existing playground.

## Sheets C-4.0 and C-4.1 (Site Development Plan)

- 1. Added project note #20 to basketball court area.
- 2. Added project note #27 to saw cut at northeast trail.
- 3. Site Development Note G revised to "CONTRACTOR SHALL RESTORE ALL DISTURBED GREEN SPACES WITH 6" OF TOPSOIL AND SHALL COORDINATE SEEDING AND BLANKET WITH THE OWNER."
- 4. Added Alternate #2 improvements.
- 5. Added Alternate #2 Note #1, "NEW MONOLITHIC PLAYGROUND CURB AND 5" CONCRETE SIDEWALK."
- 6. Added Alternate #2 Note #2, "NEW CONCRETE PLAYGROUND RAMP."

## Sheet C-4.2 (Site Development Details)

- 1. Revised Playground Curb Detail.
- 2. Added "Monolithic Playground Curb and 5" Concrete Sidewalk" detail.
- 3. Added "Concrete Playground Ramp" detail.

### Sheet C-4.3 (Site Development Details)

- 1. Added "Concrete Control Joint" detail.
- 2. Added "Concrete Expansion Joint" detail.
- 3. Single Basketball Post Detail: Added note that 4" of compacted CA-6 shall be provided at the bottom of the post foundation.
- 4. Revised Basketball Court Half Detail.
  - a. Removed note that pavement surface shall be painted black.
  - b. Added notes about pavement striping material and standards.
  - c. Basketball court striping is now shown.

## Sheet C-4.4 (Site Development Details)

1. Replaced Shelter Footing Plan Detail.

## Sheets C-5.0 and C-5.1 (Site Grading Plan)

- 1. Added one foot contours to proposed sled hill.
- 2. Revised grades around proposed shelter.
- 3. Revised grades and contours around proposed basketball court.
- 4. Revised grades at northeast asphalt trail.
- 5. Added 756' contour around northeast asphalt trail.
- 6. Revised grade at asphalt trail northeast of proposed parking lot.
- 7. Revised grades in Detail #1.
- 8. Added Alternate #2 grading.
- 9. Section E-E Overflow Weir: Raised bottom of the weir to elevation 749.60'.
- 10. Section F-F Infiltration Basin: Extended the underdrain aggregate to elevation 746.80'.

## Sheets C-6.0 (Site Utility Plan)

- 1. Revised Storm Sewer note #20 to "NEW 8" FLARED END SECTION."
- 2. Added Alternate #1 utility information.
- 3. Added Alternate #1 Note #1, "CORE DRILL AND CONNECT NEW STORM SEWER TO EXISTING MANHOLE WITH ALL FITTINGS REQUIRED."
- 4. Added Alternate #1 Note #2, "NEW 18" RCP, 62 L.F. @ 2.34% SLOPE."
- 5. Added Alternate #1 Note #3, "NEW 18" FLARED END SECTION."

### Sheet C-6.2 (Site Utility Details)

1. Perforated Pipe Detail: Removed topsoil and sod requirement above the aggregate and increased aggregate thickness to 14" from crown of underdrain to top of aggregate. Installation of the CA-7 material will be by the utility contractor.

## Sheet C-6.3 (Site Utility Details)

1. Added Corrugated Metal Flared End Section detail.

### Sheets C-7.0 and C-7.1 (Storm Water Pollution Prevention Plan)

- 1. Added SWPPP Note M, "THE CONTRACTOR IS RESPONSIBLE FOR INSTALLTION AND REMOVAL OF ALL SILT FENCE. CONTRACTOR SHALL COORDINATE REMOVAL WITH THE OWNER SO THE TRENCH SHALL BE PROPERLY STABILIZED."
- 2. SWPPP Note H: Silt fence trench shall be restored with topsoil and seed. The topsoil installation is by the earthwork contractor.
- 3. Added Alternate #1 consisting of silt fence inlet protection with stone collar by the earthwork contractor and additional DS75 erosion control blanket by owner around proposed flared end section west of proposed driveway apron.
- 4. Added double row silt fence at the bottom of the new detention basin (all silt fence to be installed by the earthwork contractor).

- 5. Revised silt fence and DS75 erosion control blanket limits south of proposed basketball court.
- 6. Added alternate #2 consisting of additional DS75 erosion control blanket and silt fence around playground area.

Regards,

The WT Group, LLC

CSTRAHOR

Christopher Slykas P.E., CFM Senior Project Engineer, Civil Engineering Division Waivers must spell out exact description of work performed for which Waiver is issued and state whether dollar amount is full amount received or amount of work less retainage, held by prime contractor.

For final payment it is necessary to submit final waivers in the full amount of the Contracts for all Subcontractors, suppliers and prime contractors.

Waivers must be accompanied by a sworn statement listing Subcontractors and suppliers, the amount of their Contracts and the amount requested.

39. Line and Grade Stakes (if applicable)

ADD#1

Stakes for lines and grades shall be provided by the Contractor. Costs for replacement of damaged stakes shall be paid by the Contractor. Prior to commencing work and before pouring or finally adjusting any structure or closing any excavation, the Contractor shall verify the correctness of any grades so as to conform to the Contract Documents.

## 40. Construction Observation

A Consultant may be called upon to observe the work on behalf of the Owner and will provide general assistance during construction insofar as proper interpretation of the Contract Documents is affected. The consultant shall not be responsible for the acts or omissions of the Contractor's superintendent or other employees.

All materials used and all completed work by the Contractor shall be subject to the observation of the Owner/Owner's representative. The Contractor shall furnish such samples of materials for examination and tests as may be requested by the Owner and shall furnish any information required concerning the nature or source of any materials or equipment, which he proposes to use. Any material, equipment, or work which does not satisfactorily meet the Contract Documents may be rejected by the Owner by giving written notice to the Contractor. All rejected materials, equipment, or work shall be promptly removed and replaced at the Contractor's expense.

## 41. Field Representatives

Field representatives may be appointed by the Owner, Landscape Architect to see that the work is performed in accordance with the Contract Documents. Field representatives shall have the authority to condemn and/or reject defective work materials. Only the Owner shall have authority to suspend work. Field representatives shall have no authority to permit deviation from the Contract

## **Bid Proposal Form – Concrete Contractors**

### **Base Bid**

**Concrete Paving Scope** - Scope includes furnishing and installing all concrete pavement, concrete curbs, concrete foundations, concrete sidewalk, concrete slabs on the site and offsite as well as any re-grading required to meet the proposed finished grades (note the earthwork contractor will be bringing the site to subgrade). Providing and installing ADA detectable warning panels.

The concrete contractor shall also install all subbase material (IE all CA-6, CA-7, etc.) for all concrete construction. The concrete contractor shall also coordinate utility location penetrations into curbs, foundations, etc. with the utility contractor.

The concrete contractor will be responsible for the installation of the foundations for the proposed basketball net and shelter as well as the concrete slabs associated with the shelter. The concrete contractor shall install the proposed basketball net. The Park District will install the shelter. The concrete contractor shall coordinate the shelter foundation installation with the Park District. **The foundation design has been added to the plan set**.

## Alternate # 2 - Removal and Replacement of Concrete Curb and Sidewalk For Existing Playground

Unit Prices	Bid Price
<b>Unit Price #1</b> – Provide and install new 5" concrete sidewalk per the detail.	\$ /Sq. Yd.
<b>Unit Price #3</b> – Provide and install B6.12 Curb and Gutter per the detail.	\$ /L.F.
<b>Unit Price #4</b> – Provide and install new concrete monolithic curb and sidewalk	\$ /Sq. Yd.
<b>Unit Price #5</b> – Provide and install new playground curb.	\$ <u>/L.F.</u>

**Bid Price** 

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\$

# **Bid Proposal Form- Earthwork**

Birch Park Hoffman Estates Park District

## <u># Item/Description</u>

**1.Base Bid:** All earthwork and demolition at Birch Park depicted on the construction plans dated 1-22-21 entitled Birch Park 1045 Ash Road, Hoffman Estates, IL 60619 as well as all documents included within this project manual.

Base Bid Cost		\$
<u>Alternate # 1</u> :	Re-grading and erosion control for the installation of the culvert.	
Alternate # 1		\$
<u>Alternate # 2</u> :	Topsoil and finish grading for sidewalk installation.	
Alternate # 2		\$

Winning Bidder will also be required to furnish a project construction schedule.

Note: please include all unit prices included within the unit price section. During construction the owner reserves the right to reduce or increase quantities of proposed improvements. These changes will be based on the unit prices that are included within the unit price section.

Cost

# BID PROPOSAL FORM - SITE UTILITIES

### <u># Item / Description Base Bid</u>

Cost Total

- 1.) <u>Base Bid</u> Supply and install all proposed storm sewer and storm sewer improvements and all other utility improvements. Removal of all utilities as depicted on the plans.
- 2.) Alternate # 1 Remove and replace existing 18" culvert as shown on the plans.

Base Bid -\$\_\_\_\_\_

Alt # 1- \$\_\_\_\_\_



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EXISTING CURB INLET
EXISTING FIRE HYDRANT
EXISTING VALVE VAULT
EXISTING B-BOX
EXISTING SIGN

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EXISTING ASPHALT PAVEMENT TO BE REMOVED TO GRAVEL BASE EXISTING WOOD CHIPS TO BE REMOVED

## SITE DEMOLITION NOTES:

- . CONTRACTOR SHALL PERFORM ALL DEMOLITION WORK IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REQUIREMENTS.
- B. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY DEMOLITION PERMITS AND COORDINATE ALL DEMOLITION WITH THE MUNICIPALITY AND OWNERS REPRESENTATIVE TO ENSURE PROTECTION AND MAINTENANCE OF SANITARY AND WATER UTILITIES AS NECESSARY AND TO PROVIDE STORM WATER CONVEYANCE UNTIL NEW FACILITIES ARE CONSTRUCTED, TESTED, AND PLACED IN OPERATION.
- C. CONTRACTOR SHALL DEVELOP AND IMPLEMENT A DAILY PROGRAM OF DUST CONTROL PROCEDURES PRIOR TO DEMOLITION OF ANY STRUCTURES. MODIFICATION OF DUST CONTROL PROCEDURES SHALL BE PERFORMED BY THE CONTRACTOR TO THE SATISFACTION OF THE MUNICIPALITY AND COMPLY WITH THE NPDES II REQUIREMENTS OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY AND THE INDIVIDUAL STORM WATER POLLUTION PREVENTION PLAN FOR THIS PROJECT.
- D. ALL EXISTING TREES, BRUSH AND MISCELLANEOUS VEGETATION TO BE REMOVED OR DEMOLISHED SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF BY THE CONTRACTOR.
- E. VOIDS LEFT BY ANY ITEM REMOVED UNDER ANY PROPOSED BUILDING, PAVEMENT, OR WALK OR WITHIN 24" THEREOF SHALL BE BACKFILLED WITH ENGINEERED FILL ACCORDING TO THE GEOTECHNICAL REPORT.
- F. ALL EXISTING BUILDINGS, FOUNDATIONS, CONCRETE OR ASPHALT PAVEMENT OR WALKS, CURB AND GUTTER AND MISCELLANEOUS STRUCTURES (INCLUDING, BUT NOT LIMITED TO FENCES, POLES, YARD LIGHTS, ELECTRICAL PANELS, AND MISCELLANEOUS DEBRIS) INDICATED TO BE DEMOLISHED SHALL BE REMOVED OR DEMOLISHED AND REMOVED FROM THE SITE AND DISPOSED OF LEGALLY BY THE CONTRACTOR.
- G. CONTACT GAS COMPANY PRIOR TO DEMOLITION. LOCATION OF EXISTING GAS SERVICES ARE UNKNOWN. H. ALL EXISTING TREES SHALL REMAIN UNLESS OTHERWISE NOTED.
- ALL EXISTING UTILITIES SHALL REMAIN UNLESS OTHERWISE NOTED. CONTRACTOR SHALL HIRE A PRIVATE UTILITY LOCATOR TO LOCATE UTILITIES PRIOR TO CONSTRUCTION AND SHALL CONTACT THE SITE ENGINEER IF A CONFLICT EXISTS. K. CONTRACTOR SHALL PROVIDE REMOVAL AND REPLACEMENT
- AND SHORING AS NECESSARY TO MEET OSHA AND LOCAL CODE, AS WELL AS MANUFACTURER'S REQUIREMENTS. L. ALL FOUNDATIONS FOR ALL FENCES, SIGNS, ETC. NOTED FOR
- REMOVAL SHALL BE REMOVED AND LEGALLY DISPOSED OF OFFSITE. M. PROOF-ROLLING SHALL BE PERFORMED FOR ALL SUBGRADE PRIOR TO CONSTRUCTION OF NEW PAVEMENT. ALL SUBGRADE
- PROOF-ROLLING SHALL BE WITNESSED AND APPROVED BY A MATERIALS TESTING AGENCY TO BE HIRED BY THE OWNER. CONTRACTOR TO COORDINATE ALL PROOF-ROLLING WITH THE MATERIALS TESTING AGENCY. CONTACT THE ENGINEER AND MATERIAL TESTING AGENCY SO THAT THEY MAY WITNESS THE PROOF ROLL. PROOF ROLL SHALL BE PROVIDED FOR ALL PAVEMENT AREAS SPECIFIED FOR FULL DEPTH REMOVAL AND REPLACEMENT.
- N. EXISTING CONDITIONS AND TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS PER THE TOPOGRAPHIC SURVEY LAST DATED 7-20-20, PREPARED BY WT GROUP. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS AND CONDITIONS (INCLUDING BUT NOT LIMITED TO VERIFICATION OF CONTROL AND ALL UTILITIES WHETHER DEPICTED OR NOT) PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- O. SEE SHEETS SUR-I AND SUR-2 "TOPOGRAPHIC SURVEY" FOR ALL EXISTING LOCATED UTILITY DATA. P. CLEAR SITE AS NECESSARY TO CONSTRUCT PROPOSED
- IMPROVEMENTS. Q. ALL ITEMS MARK "EXISTING OR EXISTING TO REMAIN" TO BE PROTECTED FROM DAMAGE FOR THE DURATION OF
- CONSTRUCTION. R. CONTRACTOR TO PROVIDE SOIL TESTING SERVICES FOR COMPLETION OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S LPC-662 AND/OR LPC-663 FORMS AS PART OF THEIR CONTRACT.
- S. ALL EXISTING UTILITIES TO BE ABANDONED IN PLACE SHALL BE CAPPED WITH 2' LONG (MIN.) NON-SHRINK CONCRETE MORTAR PLUGS AT BOTH ENDS.

SEE SHEET C-2.1 FOR

**PROJECT NOTES** 

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2. EXISTING TREE TO BE REMOVED. (BY OWNER)

3. EXISTING CONCRETE PAVEMENT TO BE REMOVED FULL DEPTH TO MEET THE BOTTOM OF THE PROPOSED PAVEMENT CROSS SECTIONS (PROPOSED SUBGRADE ELEVATION). SEE THE SITE DEVELOPMENT DETAILS FOR THE PROPOSED PAVEMENT CROSS SECTIONS AND THE SITE GRADING PLAN FOR THE PROPOSED FINISHED

5. EXISTING CONCRETE RETAINING WALL TO BE REMOVED.

# **DEMOLITION LEGEND**



$\bigcirc$	PROJECT NOTES:
١.	EXISTING BUILDING TO REMAIN.
2.	EXISTING ASPHALT PAVEMENT TO REMAIN.
4.	EXISTING HYDRANT TO REMAIN.
5.	EXISTING CONCRETE CURB TO REMAIN.
6.	EXISTING FENCE TO REMAIN.
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9.	EXISTING SIGN TO REMAIN.
10.	EXISTING CURB AND GUTTER TO REMAIN.
11.	EXISTING BENCH TO BE REMOVED. (BY OWNER)
12.	EXISTING PLATEROUND EQUIPMENT TO BE REMOVED
13.	EXISTING GUY WIRE TO REMAIN.
14.	EXISTING OVERHEAD LINE TO REMAIN.
15.	EXISTING WOOD CHIPS TO BE REMOVED (BY OWNER,
16.	CONTRACTOR SHALL TRACE AND FIELD VERIFY
	CONSTRUCTION.
דו.	EXISTING WATER MAIN TO REMAIN.
18.	EXISTING STORM STRUCTURE TO REMAIN.
19.	EXISTING STORM SEVER TO REMAIN.
20	EXISTING SANITARY SEWER TO REMAIN.
22.	EXISTING FLARED END SECTION TO REMAIN.
23.	EXISTING RIPRAP TO REMAIN.
24.	EXISTING TRASH CAN TO REMAIN.
20.	EXISTING WETLAND LIMITS.
27.	NEW FULL DEPTH SAW CUT OF EXISTING ASPHALT
	PAVEMENT TO PROVIDE A CLEAN CONSTRUCTION
28	NEW FULL DEPTH SAW CUT OF EXISTING CONCRETE
20	PAVEMENT AT NEAREST JOINT BEYOND PROPOSED
	LOCATION. (BY OWNER)
29.	EXISTING ASPHALT PAVEMENT TO BE REMOVED FUL
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	FLEVATION) SEE THE SITE DEVELOPMENT DETAILS F
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	SITE GRADING PLAN FOR THE PROPOSED FINISHED
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	ELEVATION). SEE THE SITE DEVELOPMENT DETAILS F
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	GRADES (BY OWNER)
31.	EXISTING TREE/SHRUB TO BE REMOVED. (BY OWNER)
32.	NEW 2' BUTT JOINT.
33.	EXISTING UTILITY POLE WITH LIGHT FIXTURE TO REM
54.	(BY OWNER)
35.	EXISTING CONCRETE CURB TO BE REMOVED. (BY ON
36.	EXISTING ASPHALT PAVEMENT TO BE REMOVED DO
27	TO GRAVEL SUBBASE.
51. 38	EXISTING STORM SEMER TO BE ADANDONED. EXISTING FENCE TO BE REMOVED (BY OWNER)
39.	EXISTING STORM SEVER / UNDERDRAIN PER RECORI
	DOCUMENTS TO REMAIN. OWNER TO VERIFY LOCATION
10	FIELD PRIOR TO CONSTRUCTION.
40	EXPOSE ENTIRE PIPE AND CONTACT THE PROJECT
	ENGINEER TO DETERMINE CONDITION OF PIPE BEFOR
	THE NEW PARKING LOT IS CONSTRUCTED.
<del>4</del> 1.	EXISTING STORM SEMER TO BE REMOVED MITHIN RIGHT-OF-WAY PLUG END OF PIPE WITH 2'LONG
ADD #	INON-SHRINK CONCRETE MORTAR.
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	ELEVATION). SEE THE SITE DEVELOPMENT DETAILS F
	THE PROPOSED PAVEMENT CROSS SECTIONS AND T
	SITE GRADING PLAN FOR THE PROPOSED FINISHED
44	NEW FULL DEPTH SAW CUT OF EXISTING ASPHALT
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ADD #	IBREAK AND STRAIGHT EDGE. (BY OWNER)
(45)	EXISTING STORM SEWER TO BE REMOVED. PLUG BO
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- EXISTING STORM SEWER
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- EXISTING OVERHEAD LINES
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- EXISTING OPEN GRATE MANHOLE
- EXISTING BEEHIVE GRATE MANHOLE
- EXISTING CURB INLET
- EXISTING FIRE HYDRANT
- EXISTING VALVE VAULT



## HATCH LEGEND



EXISTING ASHALT PAVEMENT TO BE REMOVED FULL DEPTH EXISTING CONCRETE PAVEMENT TO BE REMOVED FULL DEPTH

EXISTING ASPHALT PAVEMENT TO BE REMOVED TO GRAVEL BASE EXISTING WOOD CHIPS TO BE REMOVED (BY OWNER)

## SITE DEMOLITION NOTES:

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- CAPPED WITH 2' LONG (MIN.) NON-SHRINK CONCRETE MORTAR PLUGS AT BOTH ENDS.





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**C-2.1** SITE DEMOLITION

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BE REMOVED. (BY OWNER) ABANDONED.

TO VERIFY LOCATION IN

NITION OF PIPE BEFORE

ELOPMENT DETAILS FOR OSS SECTIONS AND THE PROPOSED FINISHED









NEW ASPHALT TRAIL

NEW ASPHALT PAVEMENT - BASKETBALL COURT

ASPHALT TRAIL RESTORATION

NEW ENGINEERED WOOD FIBER

# SITE GEOMETRIC NOTES:

- A. EXISTING CONDITIONS AND TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS PER THE TOPOGRAPHIC SURVEY LAST DATED 7-20-20, PREPARED BY WT GROUP. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS AND CONDITIONS (INCLUDING BUT NOT LIMITED TO VERIFICATION OF CONTROL AND ALL UTILITIES WHETHER DEPICTED OR NOT) PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- B. ALL DIMENSIONS SHOWN ARE MEASURED FROM EDGE OF PAVEMENT TO EDGE OF PAVEMENT OR FACE OF CURB UNLESS OTHERWISE NOTED. C. CONSTRUCTION SURVEY AND STAKEOUT SHALL BE THE
- RESPONSIBILITY OF THE CONTRACTOR. D. CONTRACTOR SHALL HIRE A PRIVATE UTILITY LOCATOR TO
- LOCATE UTILITIES PRIOR TO CONSTRUCTION AND SHALL CONTACT THE SITE ENGINEER IF A CONFLICT EXISTS. E. CONTRACTOR SHALL CONTACT J.U.L.I.E. (811 OR 1-800-892-0123) AND PRIVATE LOCATING SERVICE TO LOCATE ALL UNDERGROUND UTILITY LINES PRIOR TO STARTING ANY DEMOLITION AND/OR EXCAVATION. EXACT LOCATIONS OF ANY EXISTING ELECTRIC, GAS, TELEPHONE, ETC. LINES ARE UNKNOWN.
- F. ASPHALT PAVEMENT MARKINGS SHALL BE MADE WITH HIGH QUALITY PAINT CONFORMING TO ARTICLE 1095.02 OF THE IDOT STANDARD SPECIFICATIONS.



**O** <sup>•</sup> G 60169 ⊒ 45 ASH ROAD HOFFMAN ESTATES, I PARK ECOMI 40 H BIRCH Ш ISSUE DATE VILLAGE 11-24-20 VILLAGE 12-23-20 MWRD 1-13-21 FOR BID 1-22-21 VILLAGE 1-22-21 ADD #1 2-24-21



120

**C-3.1** SITE GEOMETRIC PLAN



HATCH LEGEND	
	NEW CONCRETE SIDEWALK
	NEW FULL DEPTH ASPHALT PAVEMENT
	NEW ASPHALT TRAIL
	<u>NEW ASPHALT PAVEMENT - BASKETBALI</u>
	ASPHALT TRAIL RESTORATION
	<u>NEW ENGINEERED WOOD FIBER (BY OWNE</u>



## SITE DEVELOPMENT NOTES:

- A. EXISTING CONDITIONS AND TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS PER THE TOPOGRAPHIC SURVEY LAST DATED 7-20-20 PREPARED BY WT GROUP. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS AND CONDITIONS (INCLUDING BUT NOT LIMITED TO VERIFICATION OF CONTROL AND ALL UTILITIES WHETHER DEPICTED OR NOT) PRIOR TO CONSTRUCTION AND
- NOTIFY ENGINEER OF ANY DISCREPANCIES. B. CONTRACTOR SHALL COORDINATE ALL LANDSCAPING
- IMPROVEMENTS WITH THE OWNER. C. CONSTRUCTION SURVEY AND STAKEOUT SHALL BE THE
- RESPONSIBILITY OF THE CONTRACTOR.
- D. ALL EXISTING TREES SHOWN ARE TO REMAIN UNLESS OTHERWISE NOTED. E. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS OUTSIDE
- OF CONSTRUCTION LIMITS TO ORIGINAL CONDITION OR BETTER. ASPHALT PAVEMENT MARKINGS SHALL BE MADE WITH HIGH

F. ASPHALT PAVEMENT MARKINGS SHALL BE MADE WITH HIGH QUALITY PAINT CONFORMING TO ARTICLE 1095.02 OF THE IDOT
 [ADD #1] STANDARD SPECIFICATIONS.
 (G. CONTRACTOR SHALL RESTORE ALL DISTURBED GREEN SPACES WITH 6" OF TOPSOIL AND SHALL COORDINATE SEEDING AND BLANKET WITH THE OWNER.
 H. CONTRACTOR SHALL REPAIR AT HIS EXPENSE ANY DAMAGE TO EXISTING AGRINATE CONCRETE CURPS SIDEWALKS ETC

- EXISTING ASPHALT , CONCRETE, CURBS, SIDEWALKS, ETC. RESULTING FROM CONSTRUCTION TRAFFIC AND/OR OPERATIONS. REPAIRS SHALL BE MADE TO THE SATISFACTION OF THE OWNER AND/OR ENGINEER.
- I. CONTRACTOR SHALL RE-STRIPE ALL STRIPING DISTURBED WITHIN THE EXISTING ROADWAYS/PARKING LOT TO MATCH EXISTING. J. CONTRACTOR SHALL HIRE A PRIVATE UTILITY LOCATOR TO
- LOCATE UTILITIES PRIOR TO CONSTRUCTION AND SHALL CONTACT THE SITE ENGINEER IF A CONFLICT EXISTS. K. ALL ITEMS MARKED "EXISTING" TO BE PROTECTED FROM
- DAMAGE FOR THE DURATION OF CONSTRUCTION.
- ALL EXISTING SUBGRADE TO BE SCARIFIED (DISKED) TO A DEPTH OF 12" AND RE-COMPACTED, AND THEN TESTED USING A DYNAMIC CONE PENETROMETER. SEE GEOTECHNICAL REPORT FOR ADDITIONAL REQUIREMENTS.

## **PROJECT NOTES:**

- EXISTING BUILDING TO REMAIN. . EXISTING ASPHALT PAVEMENT TO REMAIN.
- 3. EXISTING CONCRETE PAVEMENT TO REMAIN.
- 4. EXISTING HYDRANT TO REMAIN. 5. EXISTING CONCRETE PLAYGROUND CURB TO REMAIN.
- 6. EXISTING FENCE TO REMAIN.
- 7. EXISTING METAL SIGN TO REMAIN. 8. EXISTING UTILITY POLE TO REMAIN.
- 9. EXISTING SIGN TO REMAIN.
- IO. EXISTING CURB AND GUTTER TO REMAIN. II. EXISTING WOOD POST TO REMAIN.
- 12. NEW PLAYGROUND EQUIPMENT TO BE PROVIDED AND INSTALLED BY OWNER. 13. NEW ASPHALT PAVEMENT.
- 14. NEW CONCRETE SIDEWALK.
- 15. NEW BULL NOSE CURB.
- 16. NEW FULL DEPTH SAW CUT OF EXISTING ASPHALT PAVEMENT TO PROVIDE A CLEAN CONSTRUCTION BREAK AND STRAIGHT EDGE. 17. NEW 16' X 30' HIP END STRUCTURE TO BE PROVIDED AND INSTALLED BY OWNER. CONTRACTOR SHALL PROVIDE
- CONCRETE FOUNDATIONS FOR STRUCTURE. (COORDINATE WITH OWNER PRIOR TO INSTALLATION). SEE SHELTER DRAWINGS FOR DETAILS.
- 18. NEW BASKETBALL HOOP TO BE PROVIDED AND INSTALLED BY OWNER. CONTRACTOR SHALL PROVIDE CONCRETE FOUNDATION FOR BASKETBALL HOOP. (COORDINATE WITH OWNER PRIOR TO INSTALLATION)
- 19. NEW PAVEMENT STRIPING (WHITE). 20. NEW BASKETBALL COURT AREA.
- 21. NEW ASPHALT TRAIL.
- 22. NEW FULL DEPTH SAW CUT OF EXISTING CONCRETE PAVEMENT AT NEAREST JOINT BEYOND PROPOSED LOCATION. (BY OWNER) 23. EXISTING RIPRAP TO REMAIN.
- 24. EXISTING TRASH CAN TO REMAIN.
- 25. NEW B6.12 CONCRETE CURB AND GUTTER.
- 26. EXISTING WETLAND LIMITS. 27. NEW FULL DEPTH SAW CUT OF EXISTING ASPHALT PAVEMENT TO PROVIDE A CLEAN CONSTRUCTION BREAK AND STRAIGHT EDGE. 28. NEW ACCESSIBLE PARKING STRIPING AND SYMBOL.
- 29. NEW ADA PARKING SIGN. 30. NEW PAVEMENT STRIPING (YELLOW).
- 31. NEW DETECTABLE WARNING PLATE.
- 32. NEW B6.12 CONCRETE CURB AND GUTTER WITH REVERSE GUTTER PITCH.
- 33. NEW ASPHALT PAVEMENT BASKETBALL COURT. 34. NEW 2' BUTT JOINT.
- 35. EXISTING UTILITY POLE WITH LIGHT FIXTURE TO REMAIN.
- 36. NEW CONCRETE PLAYGROUND CURB.
- 37. NEW ENGINEERED WOOD FIBER. (BY OWNER) 38. NEW SOCCER FIELD STRIPING. (BY OWNER)
- 39. NEW MONOLITHIC CURB AND SIDEWALK.
- 40. NEW ASPHALT TRAIL RESTORATION. (SEE DETAIL ON SHEET C-4.3)
- 41. NEW B6.12 DEPRESSED CURB AND GUTTER WITH ADA ACCESS. 42. NEW PLANTER BOX (SEE DETAIL).
- 43. NEW 3' WIDE CURB CUT.
- 44. NEW FULL DEPTH SAW CUT OF EXISTING ASPHALT PAVEMENT TO PROVIDE A CLEAN CONSTRUCTION BREAK AND STRAIGHT EDGE. (BY OWNER)
  - NORTH |" = 30' 60 120

**O** <sup>•</sup> Ľ C 3 60169  $\exists$ 'ATES, 45 ASH ROAD OFFMAN EST/ PARK 104 1 BIRCH ISSUE DATE VILLAGE 11-24-20 VILLAGE 12-23-20 MWRD 1-13-21 FOR BID 1-22-21 VILLAGE 1-22-21 ADD #1 2-24-21



**C-4.0** SITE DEVELOPMENT PLAN





ADD #1



## HATCH LEGEND

NEW CONCRETE SIDEWALK NEW FULL DEPTH ASPHALT PAVEMENT

## NEW ASPHALT TRAIL

NEW ASPHALT PAVEMENT - BASKETBALL COURT

ASPHALT TRAIL RESTORATION

NEW ENGINEERED WOOD FIBER

## SITE DEVELOPMENT NOTES:

- A. EXISTING CONDITIONS AND TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS PER THE TOPOGRAPHIC SURVEY LAST DATED 7-20-20 PREPARED BY WT GROUP. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS AND CONDITIONS (INCLUDING BUT NOT LIMITED TO VERIFICATION OF CONTROL AND ALL UTILITIES WHETHER DEPICTED OR NOT) PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES. CONTRACTOR SHALL COORDINATE ALL LANDSCAPING B.
- IMPROVEMENTS WITH THE OWNER.
- C. CONSTRUCTION SURVEY AND STAKEOUT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- D. ALL EXISTING TREES SHOWN ARE TO REMAIN UNLESS OTHERWISE NOTED.
- E. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS OUTSIDE OF CONSTRUCTION LIMITS TO ORIGINAL CONDITION OR BETTER. ASPHALT PAVEMENT MARKINGS SHALL BE MADE WITH HIGH QUALITY PAINT CONFORMING TO ARTICLE 1095.02 OF THE IDOT ADD #1 STANDARD SPECIFICATIONS.
- CONTRACTOR SHALL RESTORE ALL DISTURBED GREEN SPACES WITH 6" OF TOPSOIL AND SHALL COORDINATE SEEDING AND BLANKET WITH THE OWNER.
- EXISTING ASPHALT, CONCRETE, CURBS, SIDEWALKS, ETC. RESULTING FROM CONSTRUCTION TRAFFIC AND/OR OPERATIONS. REPAIRS SHALL BE MADE TO THE SATISFACTION OF THE OWNER AND/OR ENGINEER.
- CONTRACTOR SHALL RE-STRIPE ALL STRIPING DISTURBED WITHIN THE EXISTING ROADWAYS/PARKING LOT TO MATCH EXISTING. J. CONTRACTOR SHALL HIRE A PRIVATE UTILITY LOCATOR TO LOCATE UTILITIES PRIOR TO CONSTRUCTION AND SHALL CONTACT
- THE SITE ENGINEER IF A CONFLICT EXISTS. K. ALL ITEMS MARKED "EXISTING" TO BE PROTECTED FROM DAMAGE FOR THE DURATION OF CONSTRUCTION.
- ALL EXISTING SUBGRADE TO BE SCARIFIED (DISKED) TO A DEPTH OF 12" AND RE-COMPACTED, AND THEN TESTED USING A DYNAMIC CONE PENETROMETER. SEE GEOTECHNICAL REPORT FOR ADDITIONAL REQUIREMENTS.





SITE DEVELOPMENT

PLAN















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DETAILS



C-4.3 SITE DEVELOPMENT DETAILS





0.0457 AC-FT

0.0332 AC-FT

0.0067 AC-FT

544 CU. FT.

OR 0.1171 AC.

OR 0.0624 AC.

509 SQ. FT. OR 0.0117 AC.

747.30

747.00

746.80

5.100 SQ. FT.

2,720 SQ. FT.

1,992 CU. FT. **OR** 

1,154 CU. FT. 1,448 CU. FT. **OR** 

294 CU. FT. 294 CU. FT. OR

TOTAL POND  $V_{749.50}$  PROVIDED = 0.6512 AC-FT

PROPOSED SPOT GRADE
INTERPOLATED SPOT GRADE (VERIFY IN FIELD)
PROPOSED RIM ELEVATION
EXISTING CONTOUR LINE
PROPOSED CONTOUR LINE
OVERLAND FLOW ARROW
100 YEAR OVERLAND FLOW ROUTE
EMERGENCY OVERFLOW ARROW
TOP OF PAVEMENT ELEVATION
TOP OF SIDEWALK ELEVATION
FINISHED GRADE ELEVATION
MATCH EXISTING ELEVATION
TOP OF CURB ELEVATION
FLOW LINE ELEVATION
ADJUST EXISTING RIM ELEVATION

TOP OF ENGINEERED WOOD FIBE
EXISTING CLOSED MANHOLE
EXISTING OPEN GRATE MANHOLE
EXISTING BEEHIVE GRATE MANHO
EXISTING CURB INLET
EXISTING FIRE HYDRANT
EXISTING VALVE VAULT
EXISTING B-BOX
PROPOSED INLET
PROPOSED OPEN LID CATCH BA

- <u>∠5</u> 48" CONCRETE STRUCTURE INV=746.69' (8" CLAY N/SSW)
- RIM=752.06' (SANITARY) 48" CONCRETE STRUCTURE INV=740.71' (8" CLAY WNW/NNE/ESE) INV=744.19' (8" CLAY NNE) INV=740.71' (12" CLAY SSW)
- RIM=757.22' (SANITARY) 48" CONCRETE STRUCTURE INV=747.87' (8" CLAY N/S)

- INV=748.19' (8" CLAY NNE/SSW)
- RIM=757.95' (WATER) 14 UNABLE TO DETERMINE SIZE OF STRUCTURE TOP OF PIPE=753.43' (NNE/SSW) UNABLE TO DETERMINE SIZE AND MATERIAL OF PIPE TOP OF WATER=756.95'



<u>NEW ASPHALT PAVEMENT - BASKETBALL COURT</u>

ASPHALT TRAIL RESTORATION

NEW ENGINEERED WOOD FIBER (BY OWNER)

# SITE GRADING NOTES:

- A. EXISTING CONDITIONS AND TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS PER THE TOPOGRAPHIC SURVEY LAST DATED 7-20-20, PREPARED BY WT GROUP. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS AND CONDITIONS (INCLUDING BUT NOT LIMITED TO VERIFICATION OF CONTROL AND ALL UTILITIES WHETHER DEPICTED OR NOT) PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- B. ALL PROPOSED GRADES ARE GIVEN TO FINISHED GRADE, I.E. TOP OF PROPOSED ASPHALT, CONCRETE, TOP OF PROPOSED CURB, ETC. SEE DETAILS FOR PAVEMENT THICKNESS. C. CONTRACTOR SHALL CONTACT JULIE. (811 OR 1-800-892-0123)
- AND PRIVATE LOCATING SERVICE TO LOCATE ALL UNDERGROUND UTILITY LINES PRIOR TO STARTING ANY DEMOLITION AND/OR EXCAVATION. EXACT LOCATIONS OF ANY EXISTING ELECTRIC, GAS, TELEPHONE, ETC. LINES ARE UNKNOWN.
- D. CONTRACTOR SHALL ENSURE POSITIVE SITE DRAINAGE AT THE END OF EACH WORKING DAY DURING CONSTRUCTION OPERATIONS. FAILURE TO PROVIDE ADEQUATE DRAINAGE WILL PRECLUDE THE CONTRACTOR FROM ANY POSSIBLE COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABL
- MATERIALS CREATED AS A RESULT E. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS OUTSIDE OF CONSTRUCTION LIMITS TO ORIGINAL CONDITION OR BETTER. CONTRACTOR SHALL REPAIR AT HIS EXPENSE ANY DAMAGE TO
- EXISTING ASPHALT, CONCRETE, CURBS, SIDEWALKS, ETC. RESULTING FROM CONSTRUCTION TRAFFIC AND/OR OPERATIONS. REPAIRS SHALL BE MADE TO THE SATISFACTION OF THE OWNER AND/OR ENGINEER.
- G. CONTRACTOR TO UTILIZE CARE WHEN WORKING NEAR EXISTING UTILITIES TO REMAIN. ANY DAMAGE TO EXISTING UTILITIES NOT NOTED TO BE REMOVED SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER AND/OR ENGINEER.
- H. ALL EXISTING TREES SHOWN ARE TO REMAIN UNLESS OTHERWISE NOTED.
- I. ALL HANDICAP ACCESSIBLE ROUTES (SIDEWALKS, WALKWAYS, PAVEMENTS, ETC.) SHALL MAINTAIN A MAXIMUM CROSS SLOPE OF 2.00% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00%. ACCESSIBLE PARKING STALLS SHALL MAINTAIN A MAXIMUM <u>SLOPE OF 2.00% IN ALL DIRECTIONS.</u> J. VOIDS LEFT BY ANY ITEM REMOVED UNDER ANY PROPOSED
- BUILDING, PAVEMENT, OR WALK OR WITHIN 24" THEREOF SHALL BE BACKFILLED WITH ENGINEERED FILL ACCORDING TO THE GEOTECHNICAL REPORT. K. ALL FIRE ACCESS LANES WITHIN THE PROJECT AREA SHALL
- REMAIN IN SERVICE, CLEAN OF DEBRIS, AND ACCESSIBLE FOR USE BY EMERGENCY VEHICLES.
- L. CONSTRUCTION ACCESS POINTS TO THE SITE SHALL BE PROTECTED IN SUCH A WAY AS TO PREVENT TRACKING OF MUD OR SOIL ONTO PUBLIC THOROUGHFARES. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY BY THE CONTRACTOR.
- M. ALL EXISTING SUBGRADE TO BE SCARIFIED (DISKED) TO A DEPTH OF 12" AND RE-COMPACTED, AND THEN TESTED USING A DYNAMIC CONE PENETROMETER. SEE GEOTECHNICAL REPORT FOR ADDITIONAL REQUIREMENTS.
- N. ALL EXCESS SOILS THAT CANNOT BE USED AS SUITABLE FILL SHALL BE HAULED FROM THE SITE AND LEGALLY DISPOSED OF. O. CONTRACTOR TO PROVIDE SOIL TESTING SERVICES FOR COMPLETION OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S LPC-662 AND/OR LPC-663 FORMS AS PART OF THEIR
- CONTRACT. P. PREPARE SUBGRADE AS SPECIFIED WITHIN THE GEOTECHNICAL REPORT DATED NOVEMBER 16, 2020 PREPARED BY SMC, INC.
- Q. ALL TOPSOIL BENEATH PROPOSED STRUCTURES AND PAVEMENT SHALL BE REMOVED. REFER TO THE GEOTECHNICAL REPORT DATED NOVEMBER 16, 2020 PREPARED BY SMC, INC. FOR EXISTING TOPSOIL DEPTHS.

|" = 3*0*'

60

00 15 30

120





**C-5.0** 

SITE GRADING

PLAN



**GRADING LEGEND** 



## HATCH LEGEND



NEW FULL DEPTH ASPHALT PAVEMENT

NEW ASPHALT TRAIL

NEW ASPHALT PAVEMENT - BASKETBALL COURT

ASPHALT TRAIL RESTORATION

NEW ENGINEERED WOOD FIBER

# SITE GRADING NOTES:

- A. EXISTING CONDITIONS AND TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS PER THE TOPOGRAPHIC SURVEY LAST DATED 7-20-20, PREPARED BY WT GROUP. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS AND CONDITIONS (INCLUDING BUT NOT LIMITED TO VERIFICATION OF CONTROL AND ALL UTILITIES WHETHER DEPICTED OR NOT) PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- B. ALL PROPOSED GRADES ARE GIVEN TO FINISHED GRADE, I.E. TOP OF PROPOSED ASPHALT, CONCRETE, TOP OF PROPOSED CURB, ETC. SEE DETAILS FOR PAVEMENT THICKNESS.
- C. CONTRACTOR SHALL CONTACT J.U.L.I.E. (811 OR 1-800-892-0123) AND PRIVATE LOCATING SERVICE TO LOCATE ALL UNDERGROUND UTILITY LINES PRIOR TO STARTING ANY DEMOLITION AND/OR EXCAVATION. EXACT LOCATIONS OF ANY EXISTING ELECTRIC, GAS, TELEPHONE, ETC. LINES ARE UNKNOWN.
- D. CONTRACTOR SHALL ENSURE POSITIVE SITE DRAINAGE AT THE END OF EACH WORKING DAY DURING CONSTRUCTION OPERATIONS. FAILURE TO PROVIDE ADEQUATE DRAINAGE WILL PRECLUDE THE CONTRACTOR FROM ANY POSSIBLE COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABLE MATERIALS CREATED AS A RESULT. E. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS OUTSIDE
- OF CONSTRUCTION LIMITS TO ORIGINAL CONDITION OR BETTER.
- F. CONTRACTOR SHALL REPAIR AT HIS EXPENSE ANY DAMAGE TO EXISTING ASPHALT, CONCRETE, CURBS, SIDEWALKS, ETC. RESULTING FROM CONSTRUCTION TRAFFIC AND/OR OPERATIONS. REPAIRS SHALL BE MADE TO THE SATISFACTION OF THE OWNER AND/OR ENGINEER.
- G. CONTRACTOR TO UTILIZE CARE WHEN WORKING NEAR EXISTING UTILITIES TO REMAIN. ANY DAMAGE TO EXISTING UTILITIES NOT NOTED TO BE REMOVED SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER AND/OR ENGINEER.
- H. ALL EXISTING TREES SHOWN ARE TO REMAIN UNLESS OTHERWISE NOTED. I. ALL HANDICAP ACCESSIBLE ROUTES (SIDEWALKS, WALKWAYS,
- PAVEMENTS, ETC.) SHALL MAINTAIN A MAXIMUM CROSS SLOPE OF 2.00% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00%. ACCESSIBLE PARKING STALLS SHALL MAINTAIN A MAXIMUM SLOPE OF 2.00% IN ALL DIRECTIONS. J. VOIDS LEFT BY ANY ITEM REMOVED UNDER ANY PROPOSED
- BUILDING, PAVEMENT, OR WALK OR WITHIN 24" THEREOF SHALL BE BACKFILLED WITH ENGINEERED FILL ACCORDING TO THE GEOTECHNICAL REPORT.
- K. ALL FIRE ACCESS LANES WITHIN THE PROJECT AREA SHALL REMAIN IN SERVICE, CLEAN OF DEBRIS, AND ACCESSIBLE FOR USE BY EMERGENCY VEHICLES.
- L. CONSTRUCTION ACCESS POINTS TO THE SITE SHALL BE PROTECTED IN SUCH A WAY AS TO PREVENT TRACKING OF MUD OR SOIL ONTO PUBLIC THOROUGHFARES. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY BY THE CONTRACTOR. M. ALL EXISTING SUBGRADE TO BE SCARIFIED (DISKED) TO A
- DEPTH OF 12" AND RE-COMPACTED, AND THEN TESTED USING A DYNAMIC CONE PENETROMETER. SEE GEOTECHNICAL REPORT FOR ADDITIONAL REQUIREMENTS
- N. ALL EXCESS SOILS THAT CANNOT BE USED AS SUITABLE FILL SHALL BE HAULED FROM THE SITE AND LEGALLY DISPOSED OF. O. CONTRACTOR TO PROVIDE SOIL TESTING SERVICES FOR COMPLETION OF THE ILLINOIS ENVIRONMENTAL PROTECTION
- AGENCY'S LPC-662 AND/OR LPC-663 FORMS AS PART OF THEIR CONTRACT. P. PREPARE SUBGRADE AS SPECIFIED WITHIN THE GEOTECHNICAL
- REPORT DATED NOVEMBER 16, 2020 PREPARED BY SMC, INC.
- Q. ALL TOPSOIL BENEATH PROPOSED STRUCTURES AND PAVEMENT SHALL BE REMOVED. REFER TO THE GEOTECHNICAL REPORT DATED NOVEMBER 16, 2020 PREPARED BY SMC, INC. FOR EXISTING TOPSOIL DEPTHS.

NORT

|" = 3*0*'

60





**C-5.1** SITE GRADING

PLAN

- EXISTING SPOT GRADE
- PROPOSED SPOT GRADE
- INTERPOLATED SPOT GRADE (VERIFY IN FIELD)
- PROPOSED RIM ELEVATION
- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- OVERLAND FLOW ARROW
- 100 YEAR OVERLAND FLOW ROUTE
- EMERGENCY OVERFLOW ARROW
- TOP OF PAVEMENT ELEVATION
- TOP OF SIDEWALK ELEVATION
- FINISHED GRADE ELEVATION
- MATCH EXISTING ELEVATION TOP OF CURB ELEVATION
- FLOW LINE ELEVATION
- ADJUST EXISTING RIM ELEVATION TOP OF ENGINEERED WOOD FIBER
- EXISTING CLOSED MANHOLE
- EXISTING OPEN GRATE MANHOLE
- EXISTING BEEHIVE GRATE MANHOLE
- EXISTING CURB INLET
- EXISTING FIRE HYDRANT
- EXISTING VALVE VAULT
- EXISTING B-BOX
- PROPOSED INLET
- PROPOSED OPEN LID CATCH BASIN PROPOSED CLOSED LID MANHOLE
- PROPOSED RESTRICTOR STRUCTURE
- PROPOSED FLARED END SECTION

00 15 30



![](_page_18_Figure_21.jpeg)

![](_page_18_Picture_22.jpeg)

- C. CONTRACTOR SHALL EXCAVATE AND VERIFY IN FIELD ALL EXISTING UTILITY LOCATIONS, SIZES, CONDITIONS AND ELEVATIONS AT PROPOSED POINTS OF CONNECTION PRIOR TO ANY UNDERGROUND CONSTRUCTION, CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER OF ANY DISCREPANCIES OR CONFLICTS PRIOR TO PROCEEDING WITH CONSTRUCTION.
- D. REFER TO THE GENERAL NOTES AND SPECIFICATION SHEETS FOR ALL PIPE MATERIAL AND JOINT SPECIFICATIONS.
- E. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS OUTSIDE OF CONSTRUCTION LIMITS TO ORIGINAL CONDITION OR BETTER.
- CONTRACTOR SHALL VERIFY IN FIELD EXACT SIZE, MATERIAL, INVERT, PIPE ROUTING, AND SLOPE OF ALL EXISTING UTILITIES AND NOTIFY THE OWNER AND ENGINEER OF ANY DISCREPANCIES OR CONFLICTS PRIOR TO CONSTRUCTION. G. THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF
- UTILITY TRENCHES DURING CONSTRUCTION AND SHALL PROVIDE TEMPORARY SHORING AND BRACING AS NECESSARY TO MAINTAIN STABILITY UNTIL CONSTRUCTION OF THE UTILITY IS COMPLETE IN ORDER TO MEET OSHA AND LOCAL CODES, AS WELL AS MANUFACTURER'S REQUIREMENTS.
- H. ALL RCP STORM SEWER PIPE SHALL BE REINFORCED CONCRETE PIPE, CLASS IV, PER ASTM C-76 WITH FLEXIBLE (O-RING) GASKET JOINTS IN CONFORMANCE WITH ASTM C-443 AND SECTION 31-1.08 OF THE "STANDARD SPECIFICATIONS".
- TRENCH BACKFILL MATERIAL SHALL BE PLACED AND COMPACTED TO A MINIMUM OF 95% MODIFIED PROCTOR DENSITY (ASTM D-1557) OVER ALL UNDERGROUND UTILITIES WHICH ARE CONSTRUCTED UNDER OR WITHIN 2 FEET OF ANY PROPOSED OR EXISTING PAVEMENT OR SIDEWALKS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE
- J. ADJUST RIM ELEVATIONS OF EXISTING STRUCTURES IN PAVEMENT AS NECESSARY TO MEET PROPOSED FINISHED GRADE. K. CONTRACTOR TO COORDINATE ALL CONNECTIONS TO CITY
- UTILITIES AND STORM SEWERS WITH THE PUBLIC WORKS
- L. CONTRACTOR TO USE CAUTION WHEN EXCAVATING AT EXISTING M. ALL STORM MANHOLES SHALL HAVE OPEN LIDS UNLESS
- OTHERWISE SPECIFIED. N. ALL EXISTING UTILITIES TO BE ABANDONED IN PLACE SHALL BE CAPPED WITH 2' LONG (MIN.) NON-SHRINK CONCRETE MORTAR

# ○ STORM SEWER

- EXISTING STORM STRUCTURE TO REMAIN. EXISTING STORM SEWER TO REMAIN.
- CONTRACTOR SHALL TRACE AND FIELD VERIFY LOCATION OF EXISTING STORM SEWER PRIOR TO
- EXISTING FLARED END SECTION TO REMAIN. EXISTING STORM STRUCTURE TO REMAIN. INSTALL NEW BOLT DOWN, WATER TIGHT NEENAH R-1916-D FRAME AND
- COVER. BURY RIM BELOW GRADE. 6. EXISTING STORM SEWER / UNDERDRAIN PER RECORDS DOCUMENTS TO REMAIN. OWNER TO VERIFY LOCATION IN
- FIELD PRIOR TO LOCATION. 7. EXISTING STORM STRUCTURE TO REMAIN. CORE DRILL
- AND CONNECT NEW STORM SEWER TO EXISTING STRUCTURE WITH ALL FITTINGS REQUIRED.
  NEW 12" RCP, 85 L.F. @ 0.41% SLOPE.
  NEW 72" DIA. PRECAST CONCRETE OUTLET CONTROL
- I. NEW 12 DIA: THEORET CONCLETE CONTROL STRUCTURE. (SEE DETAIL ON SHEET C-6.2)
  IO. NEW 12" HDPE, 40 L.F. @ 0.38% SLOPE.
  II. NEW 24" DIA. PRECAST CONCRETE INLET WITH NEENAH R-4340-A FRAME AND GRATE.
  II. NEW 24" DIA. FRAME AND GRATE.
- 12. NEW 4" PERFORATED HDPE, 125 L.F. @ O.O% SLOPE.
- NEW OBSERVATION WELL. 14. NEW 12" FLARED END SECTION WITH TRASH GRATE. 15. NEW 12" RCP, 75 L.F. @ 0.58% SLOPE.
- 16. NEW 24" DIA. PRECAST CONCRETE CATCH BASIN WITH

I7. NEW 12" FLARED END SECTION WITH TRASH GRATE. 18. NEW 12" RCP, 70 L.F. @ 0.57% SLOPE. 19. NEW 24" DIA. PRECAST CONCRETE CATCH BASIN WITH ADD #1 OPEN GRATE. (20. NEW 8" FLARED END SECTION.) 21. NEW 8" PVC SDR 26, 40 L.F. @ 2.12% SLOPE.

- 22. NEW 24" DIA. PRECAST CONCRETE INLET WITH SOLID LID. CONNECT EXISTING 8" PVC TO NEW INLET WITH ALL FITTINGS REQUIRED.
- 23. EXISTING STORM SEWER TO BE ABANDONED. PLUG UPSTREAM AND DOWNSTREAM ENDS WITH 2' NON-SHRINK HYDRAULIC GROUT.

# 

- EXISTING SANITARY STRUCTURE TO REMAIN. 2. EXISTING SANITARY SEWER TO REMAIN.
- EXISTING HYDRANT TO REMAIN.
- 2. EXISTING WATER MAIN TO REMAIN.

# <u>MISC. UTILITY</u>

- I. EXISTING UTILITY POLE TO REMAIN. 2. EXISTING OVERHEAD LINES TO REMAIN.
- 3. EXISTING AREA LIGHT TO REMAIN.

3. NEW 18" FLARED END SECTION WITH TRASH GRATE.

![](_page_18_Picture_61.jpeg)

![](_page_18_Figure_62.jpeg)

![](_page_18_Picture_63.jpeg)

120

**C-6.0** SITE UTILITY PLAN

![](_page_19_Figure_0.jpeg)

![](_page_20_Figure_0.jpeg)

![](_page_21_Figure_0.jpeg)

![](_page_21_Figure_13.jpeg)

![](_page_21_Figure_14.jpeg)

NORTH

STORM WATER POLLUTION PREVENTION PLAN

![](_page_22_Picture_0.jpeg)

# SWPPP LEGEND

![](_page_22_Figure_2.jpeg)

EXISTING SPOT GRADE ---- EXISTING CONTOUR LINE PROPOSED CONTOUR LINE OVERLAND FLOW ARROW 100 YEAR OVERLAND FLOW ROUTE EMERGENCY OVERFLOW ARROW ADJUST EXISTING RIM ELEVATION EXISTING CLOSED MANHOLE EXISTING OPEN GRATE MANHOLE EXISTING BEEHIVE GRATE MANHOLE EXISTING CURB INLET EXISTING FIRE HYDRANT EXISTING VALVE VAULT EXISTING B-BOX TREE PROTECTION

FLEXSTORM CATCH-IT INLET PROTECTION SILT FENCE INLET PROTECTION WITH STONE COLLAR

RIP RAP FINE GRADE, FERTILIZE, AND SEED. INSTALL DS75 EROSION CONTROL BLANKET WITH 6" BIO-STAKES AS MANUFACTURED BY NORTH AMERICAN GREEN. FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS. SEE SWPP NOTE K AND L.

STABILIZED CONSTRUCTION ENTRANCE 

TEMPORARY CONCRETE WASHOUT FACILITY

PROVIDE 6" TOPSOIL, FINE GRADE, AND SEED WITH STREAMBANK STABILIZATION SEED MIX. INSTALL SCI50 EROSION CONTROL BLANKET WITH 6" BIOSTAKES AS MANUFACTURED BY NORTH AMERICAN GREEN. FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS. SEE SWPP NOTE K AND L.

FINE GRADE, FERTILIZE, AND SEED. INSTALL S75 EROSION CONTROL BLANKET WITH 6" BIO-STAKES AS MANUFACTURED BY NORTH AMERICAN GREEN. FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS. SEE SWPP NOTE K AND L.

# STREAMBANK STABILIZATION SEED MIX

GENESIS NURSERY, INC. TAMPICO, IL ILLINOIS PERMIT #3669

Species
Alisma subcordatum Water Plantain
Andropogon gerardii Big Bluestem
Andropogon scoparius (Schizachyrium s
Aster novae-angliae (Symphyotrichum n
Bouteloua curtipendula Side Oats Grammer
Carex vulpinoidea Fox Sedge
Elcocharis spp Spike Rush
Elymus canadensis Canadian Wild Rye
Elymus villosus Silkey Wild Rye
Elymus virginicus Virginia Wild Rye
Glyceria striata Fowl Manna Grass
Helenium autumnale Sneezeweed
Juncus spp Rush Species
Leersia oryzoides Rice Cut Grass
Panicum virgatum Switch Grass
Scirpus validus (Schoenoplectus taberna
Sorghastrum nutans Indian Grass
Spartina pectinata Prairie Cord Grass
Agrostis alba Red Top Grass
Avena sativa Seed Oats
Lolium multiflorum Annual Rye

![](_page_22_Picture_15.jpeg)

## **SWPPP NOTES:**

- A. ALL DISTURBED GREEN SPACES ON THE SITE SHALL BE RESTORED ACCORDING TO THE SEED BED PREPARATION SPECIFICATIONS BELOW AND BLANKETED OR MATTED AS SHOWN ON THE PLANS.
- B. TEMPORARY OR PERMANENT STABILIZATION SHALL OCCUR IMMEDIATELY WHENEVER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED ON ANY PORTION OF THE SITE. TEMPORARY STABILIZATION SHALL CONSIST OF THE INSTALLATION OF TEMPORARY SEEDING.
- C. CONTRACTOR TO INSTALL TEMPORARY CONSTRUCTION ENTRANCES AS NECESSARY TO EXCAVATE AREAS AND HAUL SOILS ON-SITE. TRACKING OF DEBRIS ON SITE WILL NOT BE TOLERATED. ANY DEBRIS LEFT OUTSIDE OF THE PROJECT LIMITS MUST BE CLEANED IMMEDIATELY.
- D. EROSION CONTROL BLANKETS AND TURF REINFORCEMENT MATS SHALL BE INSTALLED USING 6" BIO-STAKES AS MANUFACTURED BY NORTH AMERICAN GREEN. METAL STAKES AND STAPLES ARE PROHIBITED.
- E. CONTRACTOR SHALL PROVIDE ALL NECESSARY MAINTENANCE FOR THE SEDIMENT AND EROSION CONTROL MEASURES FOR THE DURATION OF THE PROJECT.
- F. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL STORMWATER POLLUTION PREVENTION PLAN (SWPPP) INSPECTIONS, INSPECTION REPORTS, CORRECTIVE ACTION FORMS, SWPPP AMENDMENT LOGS, SUBCONTRACTOR CERTIFICATIONS/AGREEMENTS, GRADING AND STABILIZATION
- ACTIVITIES LOGS, SWPPP TRAINING LOGS, AND DELEGATION OF AUTHORITY FORMS FOR THE DURATION OF THE PROJECT. G. CONTRACTOR SHALL PROVIDE COPIES OF ALL SWPPP REPORTS, FORMS, AND LOGS TO THE WT GROUP ONCE THE SITE HAS BEEN STABILIZED. THE CONTRACTOR SHALL MAINTAIN THESE DOCUMENTS FOR A PERIOD OF 3 YEARS FROM THE FINAL
- STABILIZATION OF THE SITE. H. FOLLOWING THE REMOVAL OF THE SILT FENCE, THE CONTRACTOR SHALL RESTORE THE THE SILT FENCE TRENCH WITH TOPSOIL AND ADD #1 / THE OWNER SHALL RESTORE THE TRENCH SURFACE WITH SEED AND BLANKET.
- CONTRACTOR SHALL INITIATE STABILIZATION OF ALL DISTURBED AREAS WITHIN ONE CALENDAR DAY. J. SEED BED PREPARATION:
- J.A. ALL STONES, ROCKS, DEBRIS LARGER THAN I" IN DIAMETER SHALL BE REMOVED. J.B. DISK OR TILL TOPSOIL TO A DEPTH OF 3" AND REDUCE ALL
- SOIL PARTICLES TO NO LARGER THAN 2". THE SURFACE SHALL BE FREE OF WEEDS, STONES, ROCKS, STICKS, GULLIES, CLODS, AND DEBRIS. J.C. THE AREA SHALL BE FINE GRADED.
- J.D. THE SEED SHALL BE PLACED INTO THE SOIL WITH A MACHINE THAT MECHANICALLY PLACES THE SEED IN DIRECT CONTACT WITH THE SOIL AND COVERS THE SEED WITH THE SOIL. BROADCAST AND HYDROSEED WILL NOT BE ALLOWED
- SEEDED AREAS SHALL BE COVERED WITH THE EROSION J.F.
- BLANKET RIGHT AFTER THE SEED HAS BEEN SOWN. J.G. ANY SOIL AMENDMENTS NEEDED TO ACHIEVE A 90% HEALTHY STAND OF VEGETATION WILL BE ADDED TO THE SOIL AT NO EXTRA CHARGE TO THE OWNER. THE STAND OF VEGETATION WILL NEED TO BE ACCEPTED BY THE ENGINEER. J.H. THE SEED MIX SHALL BE KENTUCKY BLUEGRASS
- 130LBS/ACRE. (PROVIDED AND INSTALLED BY OWNER) K. CONTRACTOR TO INSTALL TEMPORARY SEEDING AND EROSION CONTROL BLANKETS AS NECESSARY TO STABILIZE DISTURBED AREAS AND SOIL STOCKPILES. OWNER TO INSTALL FINAL SEEDING, BLANKETS AND LANDSCAPING WITHIN THREE DAYS OF FINAL DISTURBANCE.
- CONTRACTOR SHALL PROVIDE A MINIMUM OF 6" TOPSOIL IN DISTURBED AND PROPOSED LAWN / LANDSCAPE AREAS. SEE **D #1** SWPP NOTE "J" FOR TOPSOIL PREPARATION. M. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION AND
- REMOVAL OF ALL SILT FENCE. CONTRACTOR SHALL COORDINATE REMOVAL WITH THE OWNER SO THE TRENCH SHALL BE PROPERLY STABILIZED.

![](_page_22_Picture_34.jpeg)

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> **C-7.1** STORM WATER POLLUTION PREVENTION PLAN

JOB:2001566C