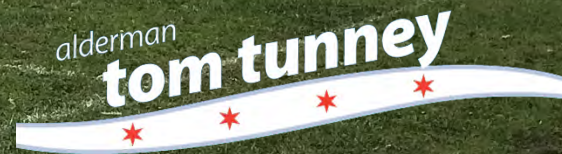


# Lincoln Park

## Diversey Artificial Turf Field & Natural Area

January 15, 2020



# Agenda

Introductions	10 min
Presentation	30 min
Questions	20 min
Open House / Feedback	40 min







**NATURAL AREA**

**PICNIC LAWN**



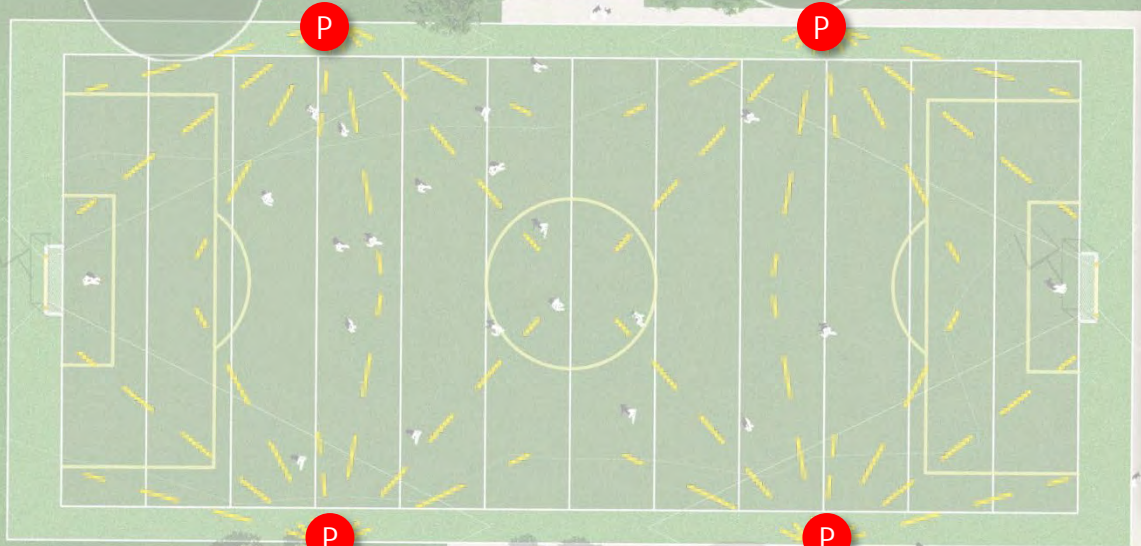
**Overall Plan – April 2019**



**RECOMMENDED**

### Sports Lighting Option 1

- Two light poles on east and west sides of field
- Provides optimum balance of light (best light distribution, compared to other options)
- Reduces shadows on field
- Mitigates light pollution to nearby residences and Lake Shore Drive



MH: 60 FT  
REFLECTANCE: 0.2  
LLF: 0.95  
CALC GRID: 10X10

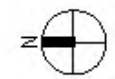
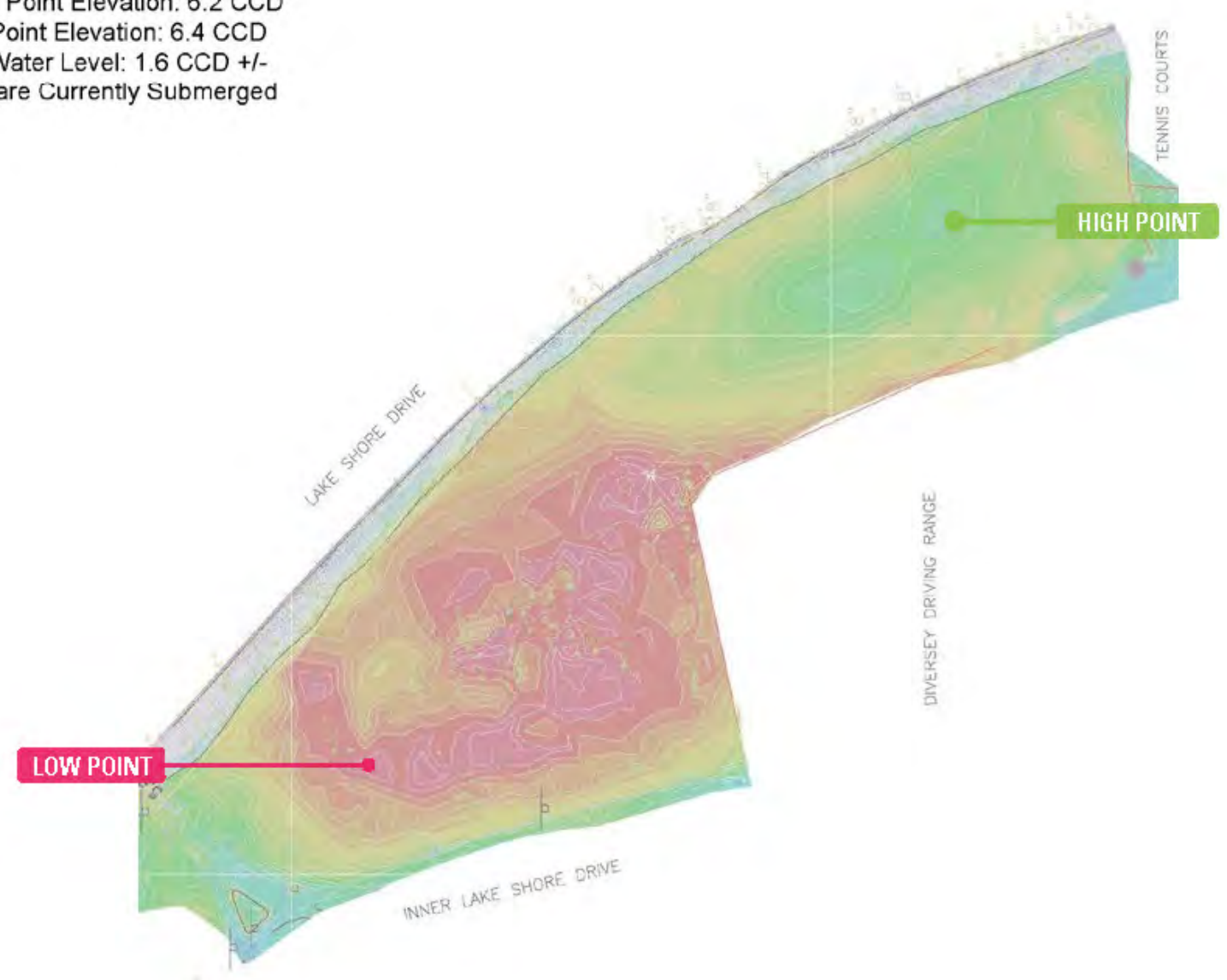
— 1 FC ISOLINE  
— 0.5 FC ISOLINE  
— 0.1 FC ISOLINE



# Hydrology Investigation and Stormwater Management Strategy

# EXISTING LOW & HIGH POINT ELEVATIONS

- Natural Area Low Point Elevation: 3.4 CCD
- Natural Area High Point Elevation: 6.2 CCD
- Turf Field High Point Elevation: 6.4 CCD
- Lake Michigan Water Level: 1.6 CCD +/-
- Existing Outfalls are Currently Submerged

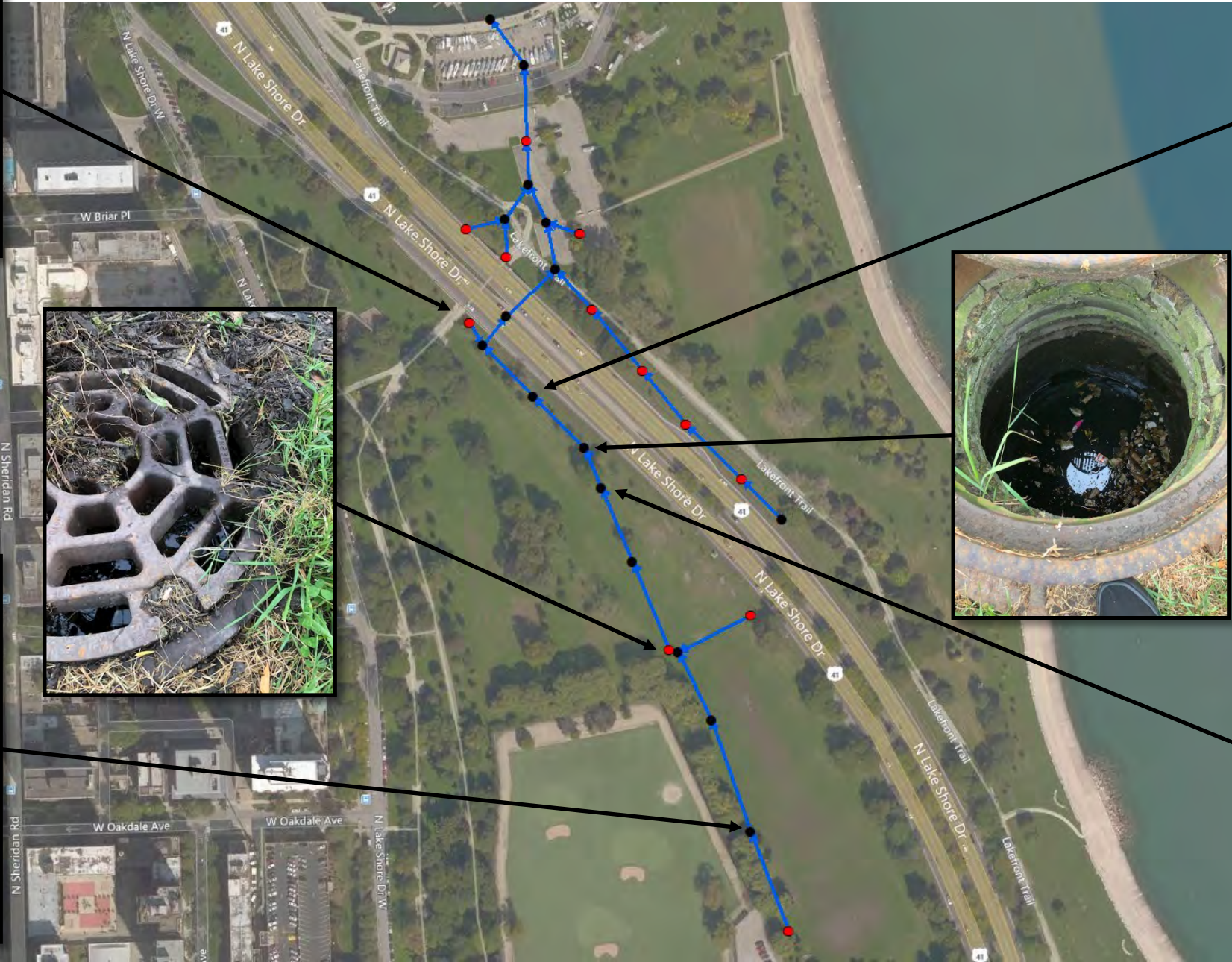








# Clean Out Storm Sewer System






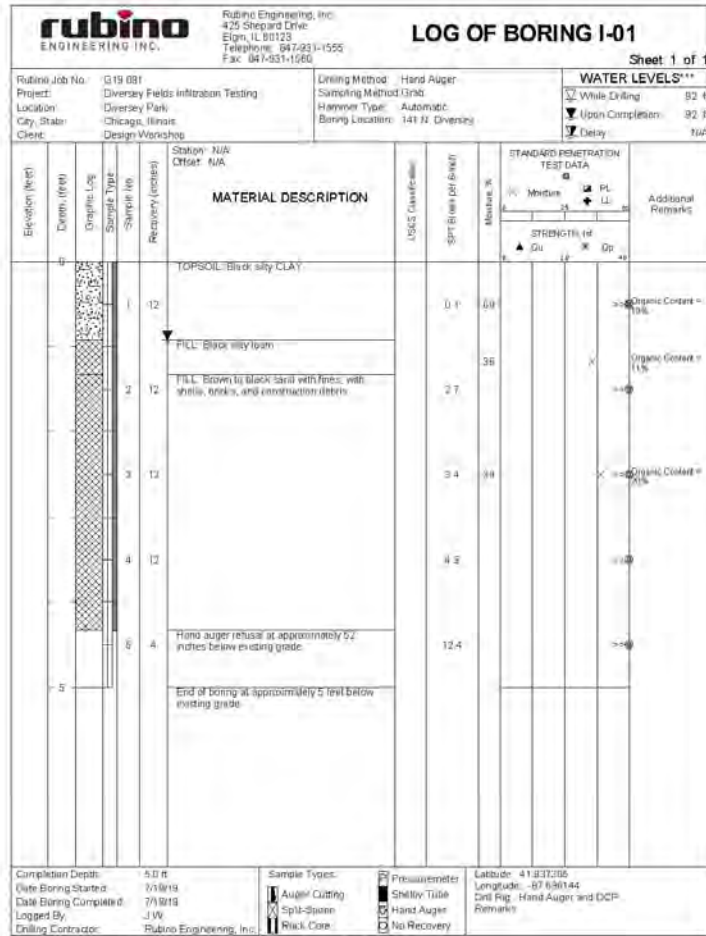


# Boring and Infiltration Log Locations

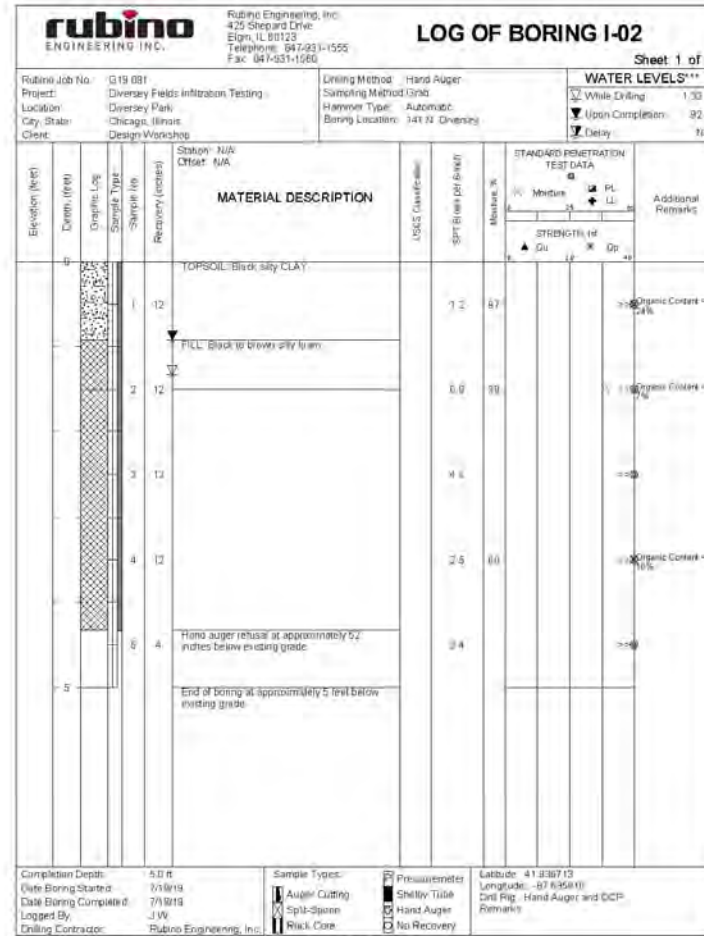


 <p>425 Shepard Drive Elgin, Illinois 60123</p>	<p>Project Name: Diversey Infiltration Testing Project Location: 141 N. Diversey Chicago, Illinois Client: Design Workshop Rubino Project #: G19.091</p>	<p>Boring Location Plan</p>
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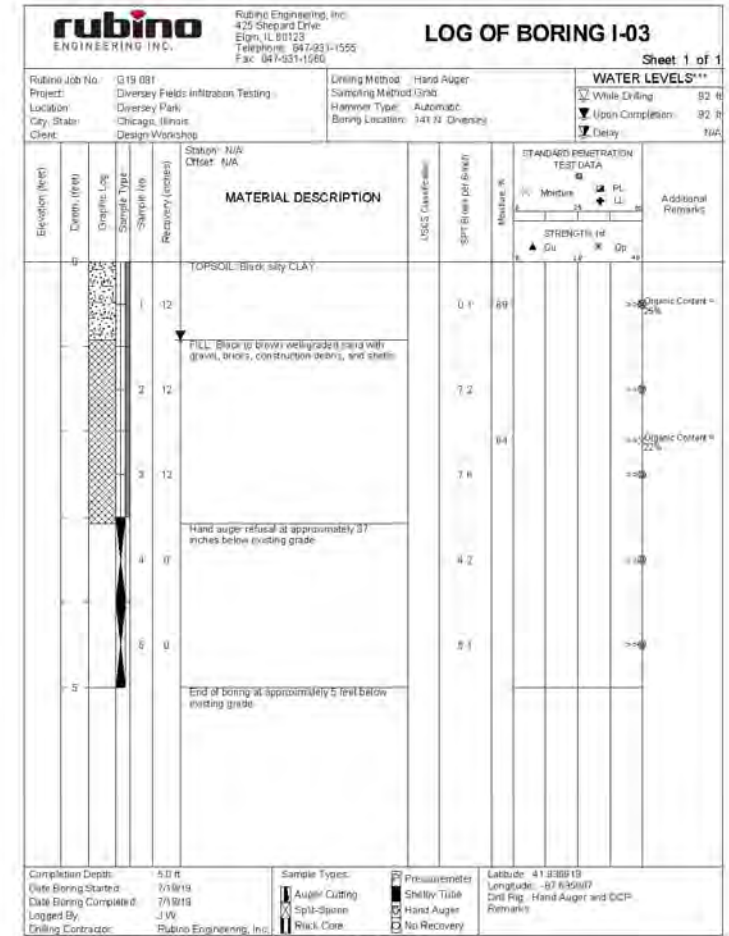
# Boring I-01



# Boring I-02



# Boring I-03



BORING NUMBER	GROUNDWATER LEVEL DURING DRILLING (INCHES BEG*)	GROUNDWATER LEVEL UPON AUGER REMOVAL (INCHES BEG*)
I-01	11 in.	11 in.
I-02	16 in.	11 in.
I-03	11 in.	11 in.

BORING NUMBER	DEPTH (INCHES BEG*)	MEASURED RATE OF INFILTRATION (IN/HR)
I-01	60 in.	1.69 in / hr
I-02	53 in.	2.53 in / hr
I-03	60 in.	3.08 in / hr



PRESERVE AND CLEAN EXISTING DRAINAGE STRUCTURES ON-SITE



PROPOSED DRAINAGE STRUCTURES AND PIPES (I.E. STORM SEWER, CATCH BASIN, CONNECTION TO EXISTING DRAINAGE, ETC.)



PROPOSED BIOSWALE (I.E. LINEAR CHANNEL WITH SPECIFIC SLOPE, HARDSCAPE MATERIAL AND PLANTING MATERIAL, ETC.)



PRESERVE EXISTING LOWLAND AREAS ON-SITE



PROPOSED NATIVE RAIN GARDEN PLANTINGS IN DEGRADED AREAS ON-SITE















INFILTRATION TRENCH (I.E. LINEAR CHANNEL WITH SPECIFIC SLOPE, HARDSCAPE MATERIAL AND PLANTING MATERIAL, ETC.)



# Stormwater Strategy – August 2019



# UPDATE January 2020

- |   |   |   |   |
|---|---|---|---|
|   | <b>EXISTING DRAINAGE STRUCTURE</b><br>Existing storm sewer system. Clean stormwater system to restore its capacity.   |   | <b>DETENTION AREA</b><br>Plant native rain garden plantings   |
|  | <b>PROPOSED DRAINAGE STRUCTURE</b>  |  | <b>PICNIC GROVE</b><br>Raise to an elevation of +6.5          |
|  | <b>BMP: BIOSWALE</b><br>Linear swale with specific slope (hardscape material and planting material)                   |  | <b>ARTIFICIAL TURF FIELD</b><br>Raise to an elevation of +7.5 |
|  | <b>BMP: INFILTRATION TRENCH</b><br>Linear trench with specific slope (hardscape material and sod restoration)         |  | <b>EXISTING TREE</b><br>Protect in-place. Do not disturb.     |
|  | <b>PROPOSED CONCRETE PATHWAY</b><br>Raise to an elevation of +6.0. Tie into existing grade. Meet smoothly and evenly. |  | <b>PROPOSED TREE</b>  |
|   |   |  | <b>TREE TO BE REPLACED</b>                                    |
|   |   |  | <b>GENERAL GRADE ELEVATION</b>                                |

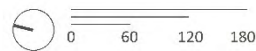




## DIVERSEY ARTIFICIAL TURF FIELD AND NATURAL AREA

PREPARED FOR CHICAGO PARK DISTRICT  
JANUARY 15, 2020

## OVERALL SITE PLAN ILLUSTRATIVE



DESIGNWORKSHOP

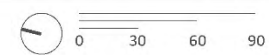


- A SOCCER & FIELD GOAL POSTS
- B FIELD LIGHT POLE
- C COACH & TEAM AREA
- D MULTIPURPOSE ARTIFICIAL TURF FIELD
- E BLEACHERS
- F 12' WIDE CONCRETE PATH
- G 6' WIDE CONCRETE PATH
- H PROPOSED TREES
- I EXISTING TREES

## ARTIFICIAL TURF FIELD

PREPARED FOR CHICAGO PARK DISTRICT  
 JANUARY 15, 2020

## ENLARGEMENT PLAN



**DESIGNWORKSHOP**


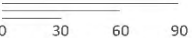


- A | PICNIC GROVE
- B | DETENTION AREA WITH NATIVE RAIN GARDEN PLANTINGS
- C | 6' WIDE CONCRETE PATHWAY
- D | PROPOSED TREES
- E | EXISTING TREES
- F | EXISTING BIKE TRAIL
- G | BIOSWALE
- H | INFILTRATION TRENCH (UNDER LAWN)

## NATURAL AREA

## ENLARGEMENT PLAN

PREPARED FOR CHICAGO PARK DISTRICT  
 JANUARY 15, 2020



**DESIGNWORKSHOP**

# Questions

