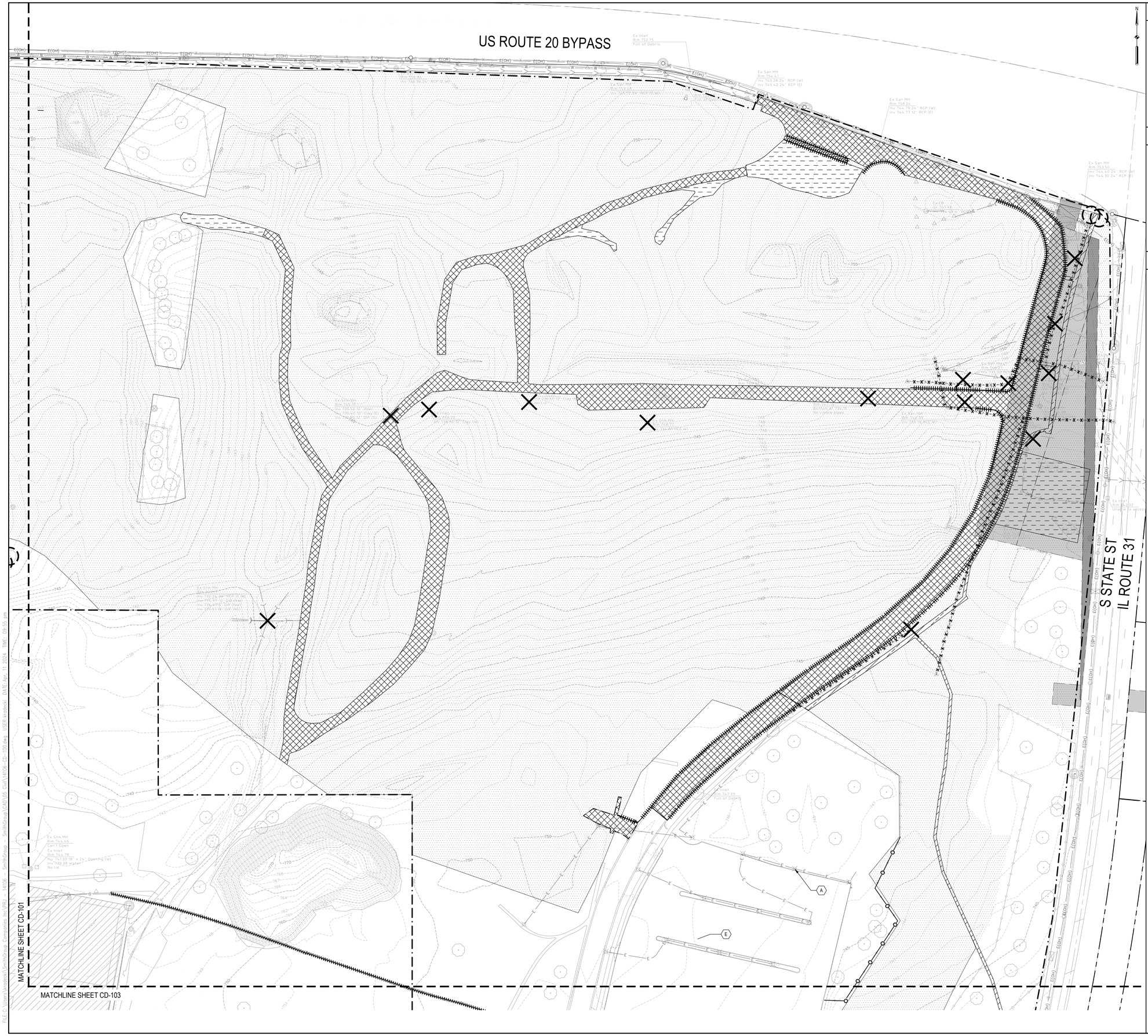


SHEET NOTES

1. SEE SHEET CD-100 FOR SITE PREPARATION NOTES.

KEYED NOTES

- (A) REMOVE EXISTING LIGHT POLE AND FOOTINGS COMPLETE (25 QTY.)
- (B) REMOVE CONCRETE HEADWALL INCLUDING FOUNDATION TO MINIMUM OF 36" BELOW PROPOSED GRADE.
- (C) EXISTING TREES TO BE TRANSPLANTED, REFER TO LANDSCAPE.
- (D) GAS SERVICE TO ELGIN HEALTH CENTER POWER PLANT TO BE DECOMMISSIONED BY UTILITY PROVIDER UNDER SEPARATE CONTRACT. DECOMMISIONING IS ANTICIPATED TO BE COMPLETED BY JUNE 2024. COORDINATE AND SCHEDULE CONSTRUCTION ACTIVITIES WITH UTILITY PROVIDER AND OWNER'S REPRESENTATIVE.

LEGEND

- PROPERTY LINE
- SETBACK LINE
- LIMITS OF CONSTRUCTION
- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL
- GRAVEL REMOVAL
- CLEAR AND GRUB
- PAVEMENT SAWCUT
- CURB REMOVAL
- FENCE REMOVAL
- EXISTING TREE PROTECTION FENCE
- REMOVE
- UTILITY REMOVAL
- CAP UTILITY
- CONSTRUCTION FENCE
- CONSTRUCTION ENTRANCE
- JERSEY BARRIER
- UTILITY ABANDON
- PROTECT
- RELOCATE

CALL J.U.L.I.E. 1-800-892-0123
48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

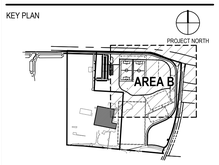
SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN



DRAWING TITLE
SITE PREPARATION PLAN - AREA B

SCALE: 1" = 50'

SCALE 14106

PROJECT NUMBER

DRAWING NUMBER CD-102

SHEET NOTES

1. SEE SHEET CD-100 FOR SITE PREPARATION NOTES.

KEYED NOTES

- (A) REMOVE EXISTING LIGHT POLE AND FOOTINGS COMPLETE (25 QTY.)
- (B) REMOVE CONCRETE HEADWALL INCLUDING FOUNDATION TO MINIMUM OF 36" BELOW PROPOSED GRADE.
- (C) EXISTING TREES TO BE TRANSPLANTED, REFER TO LANDSCAPE.
- (D) GAS SERVICE TO ELGIN HEALTH CENTER POWER PLANT TO BE DECOMMISSIONED BY UTILITY PROVIDER UNDER SEPARATE CONTRACT. DECOMMISIONING IS ANTICIPATED TO BE COMPLETED BY JUNE 2024. COORDINATE AND SCHEDULE CONSTRUCTION ACTIVITIES WITH UTILITY PROVIDER AND OWNER'S REPRESENTATIVE.

LEGEND

- PROPERTY LINE
- SETBACK LINE
- LIMITS OF CONSTRUCTION
- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL
- GRAVEL REMOVAL
- CLEAR AND GRUB
- PAVEMENT SAWCUT
- CURB REMOVAL
- FENCE REMOVAL
- EXISTING TREE PROTECTION FENCE
- REMOVE
- UTILITY REMOVAL
- CAP UTILITY
- CONSTRUCTION FENCE
- CONSTRUCTION ENTRANCE
- JERSEY BARRIER
- UTILITY ABANDON
- PROTECT
- RELOCATE

CALL J.U.L.I.E. 1-800-892-0123
48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

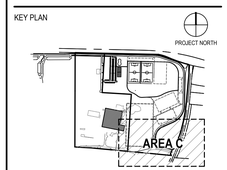
SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN



DRAWING TITLE
SITE PREPARATION PLAN - AREA C

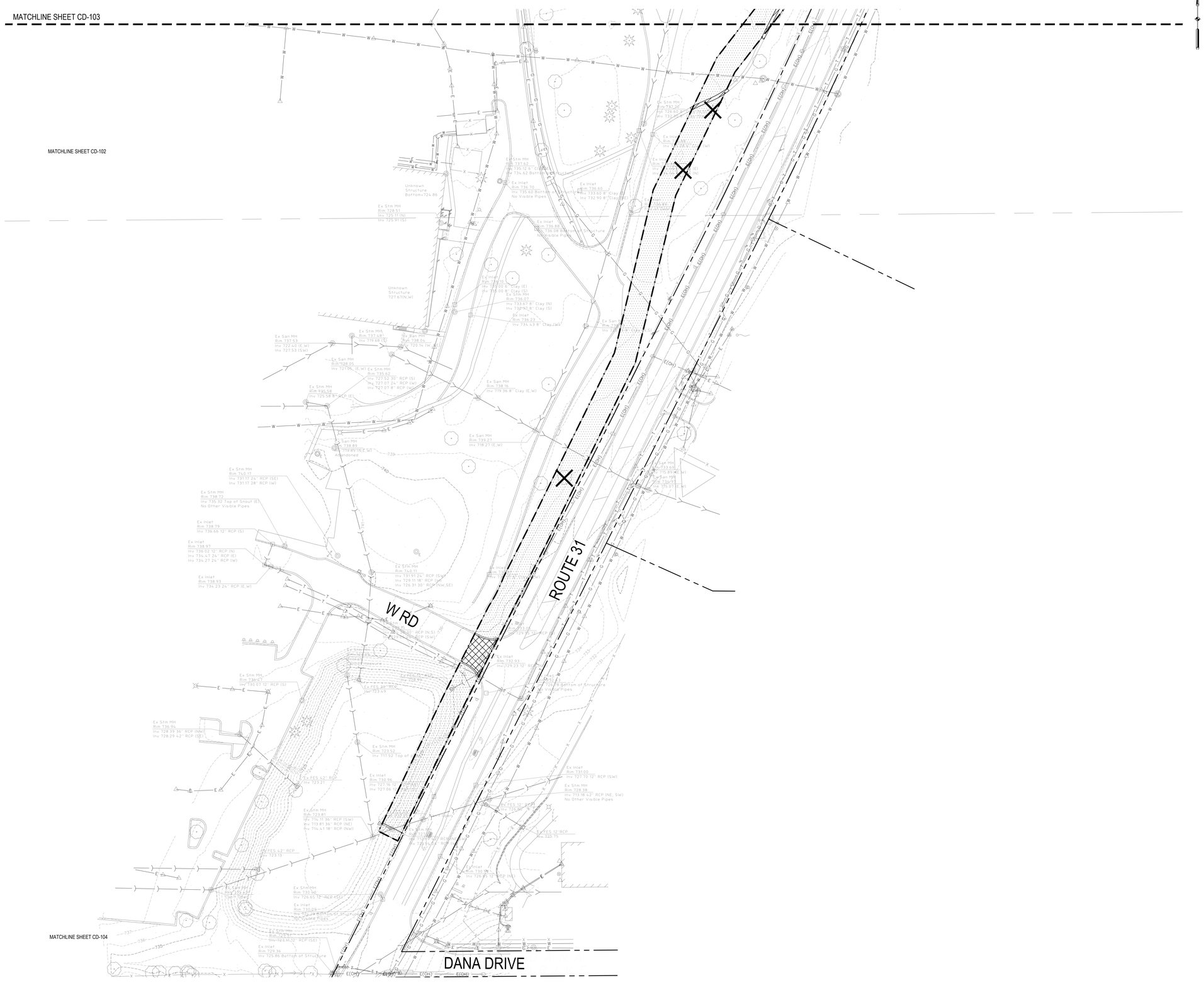
0' 20' 50' 100'
SCALE: 1" = 50'

SCALE

PROJECT NUMBER 14106

DRAWING NUMBER CD-103

FILE C:\Users\kroeber\SmithGroup Companies Inc\PRJ - 14106 - SmithGroup - SmithGroup\CAD\05 Civil\14106-CD-100.dwg USER:kroeber DATE:Apr 11 2024 TIME: 09:56 pm



SHEET NOTES

1. SEE SHEET CD-100 FOR SITE PREPARATION NOTES.

KEYED NOTES

A. REMOVE EXISTING LIGHT POLE AND FOOTINGS COMPLETE (25 QTY.)

B. REMOVE CONCRETE HEADWALL INCLUDING FOUNDATION TO MINIMUM OF 36" BELOW PROPOSED GRADE.

C. EXISTING TREES TO BE TRANSPLANTED, REFER TO LANDSCAPE.

D. GAS SERVICE TO ELGIN HEALTH CENTER POWER PLANT TO BE DECOMMISSIONED BY UTILITY PROVIDER UNDER SEPARATE CONTRACT. DECOMMISIONING IS ANTICIPATED TO BE COMPLETED BY JUNE 2024. COORDINATE AND SCHEDULE CONSTRUCTION ACTIVITIES WITH UTILITY PROVIDER AND OWNER'S REPRESENTATIVE.

LEGEND

- PROPERTY LINE
- SETBACK LINE
- LIMITS OF CONSTRUCTION
- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL
- GRAVEL REMOVAL
- CLEAR AND GRUB
- PAVEMENT SAWCUT
- CURB REMOVAL
- FENCE REMOVAL
- EXISTING TREE PROTECTION FENCE
- REMOVE
- UTILITY REMOVAL
- CAP UTILITY
- CONSTRUCTION FENCE
- CONSTRUCTION ENTRANCE
- JERSEY BARRIER
- UTILITY ABANDON
- PROTECT
- RELOCATE

CALL J.U.L.I.E. 1-800-892-0123
48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

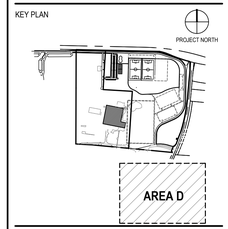
SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN



DRAWING TITLE
SITE PREPARATION PLAN - AREA D

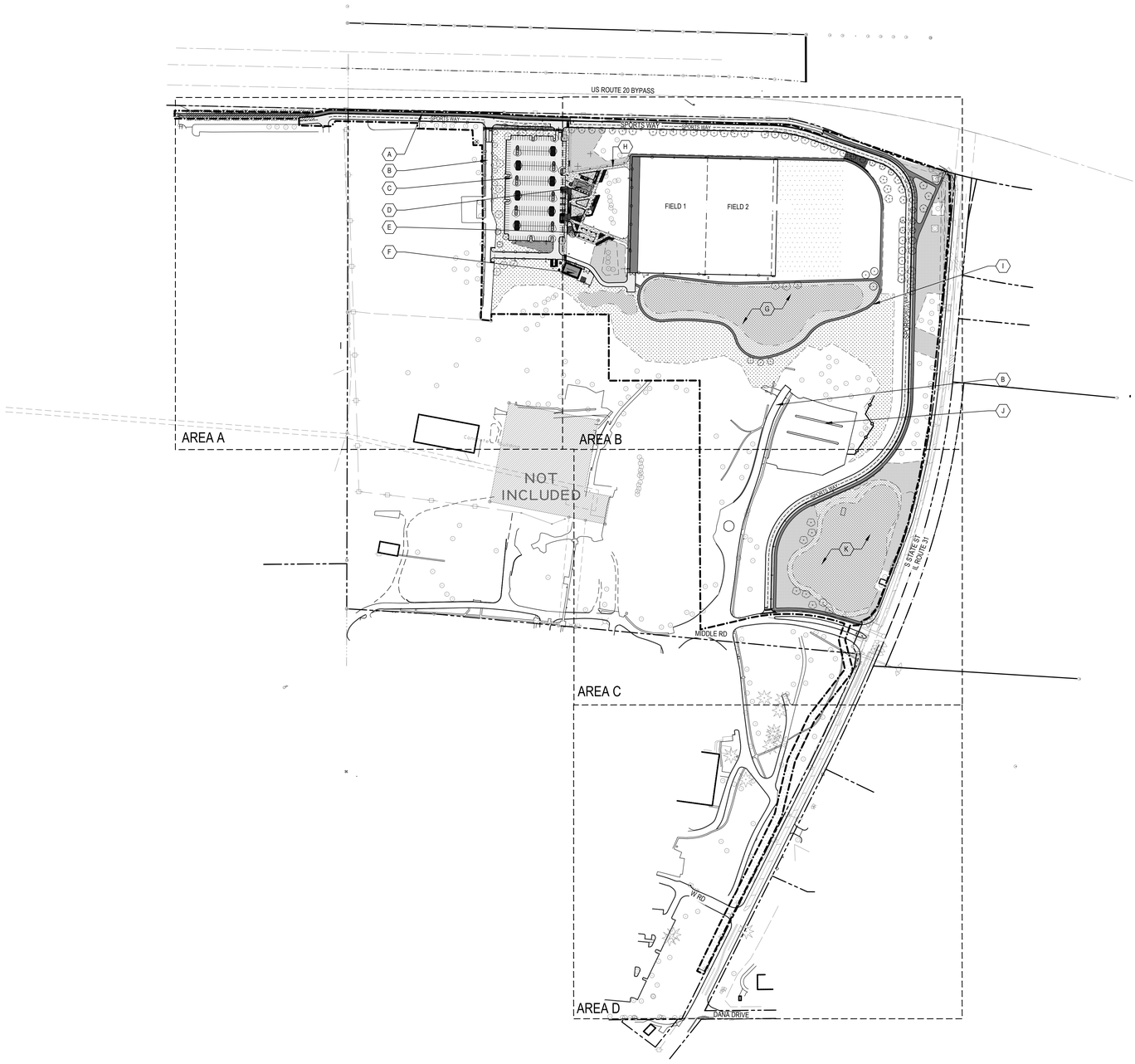
0' 20' 50' 100'
SCALE: 1" = 50'

SCALE

PROJECT NUMBER 14106

DRAWING NUMBER CD-104

FILE: C:\Users\kroeber\SmithGroup Companies Inc\PRJ - 14106 - SmithGroup - CAD\05 Civil\14106-CD-100.dwg USER: kroeber DATE: Apr 11 2024 TIME: 09:56 am



SHEET NOTES

1. THE LAYOUT OF FACILITIES SHOWN ON THESE DRAWINGS ARE BASED ON THE HORIZONTAL AND VERTICAL CONTROL SYSTEM ESTABLISHED BY THE SURVEY. SEE SHEETS CV100 - CV103 FOR BENCHMARKS.
2. SET AUXILIARY BENCHMARKS AS REQUIRED TO LAYOUT AND CONSTRUCT WORK.
3. IN THE EVENT OF ANY DISCREPANCIES BETWEEN THESE CONTRACT DOCUMENTS AND THE ELECTRONIC FILES, THE CONTRACT DRAWINGS WILL CONTROL. NOTIFY THE ENGINEER IMMEDIATELY WHEN ANY DISCREPANCY IS NOTED.
4. FIELD VERIFY ALL DIMENSIONS. REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
5. MAKE ADJUSTMENTS TO THE LAYOUT AS DIRECTED BY THE ENGINEER TO ENSURE PROPER CONNECTION TO EXISTING FACILITIES AND SITE AMENITIES.
6. DIMENSIONS ARE TO BACK OF CURB, EDGE OF PAVEMENT, OR CENTERLINE OF ROAD, UNLESS OTHERWISE NOTED.
7. PROPOSED CURBS TO BE FIELD STAKED FOR APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION.
8. PAVING RADII SHALL BE FORMED COMPLETELY AND SMOOTHLY TRANSITION INTO TANGENTS AND ADJOINING LINES. FLAT CURVE SEGMENTS IN HORIZONTAL LAYOUT SHALL BE REMOVED AND REPLACED AT NO COST TO OWNER.
9. IN ADDITION TO THOSE SHOWN, EXPANSION JOINTS SHALL BE LOCATED AT ALL FIXED SITE ELEMENTS, I.E. WHERE PAVEMENT MEETS BUILDINGS, CURBS, UTILITIES, ETC.
10. AN ELECTRONIC COPY OF AUTOCAD DRAWING FILES WILL BE PROVIDED FOR LAYOUT OF PROPOSED FACILITIES DESIGNED BY SMITHGROUP AND SHOULD BE USED ONLY FOR THOSE FACILITIES. NO GUARANTEE IS MADE BY SMITHGROUP FOR THE ACCURACY OF WORK PROVIDED BY OTHERS.

KEYED NOTES

- (A) BIKE PATH
- (B) EXISTING ASPHALT ROAD
- (C) PARKING LOT 1
- (D) CONCESSIONS BUILDING
- (E) PAVILION
- (F) MAINTENANCE BUILDING
- (G) STORMWATER MANAGEMENT AREA: BASIN A
- (H) CONCRETE WALKING PATH
- (I) ASPHALT WALKING PATH
- (J) EXISTING PARKING LOT
- (K) STORMWATER MANAGEMENT AREA: BASIN B

LEGEND

- PROPERTY LINE
- EASEMENT
- LIMIT OF CONSTRUCTION

CALL J.U.L.I.E. 1-800-892-0123
48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

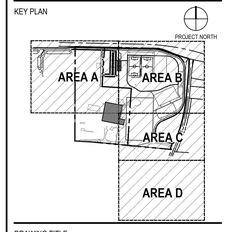
SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN



DRAWING TITLE
LAYOUT AND MATERIALS PLAN - OVERALL

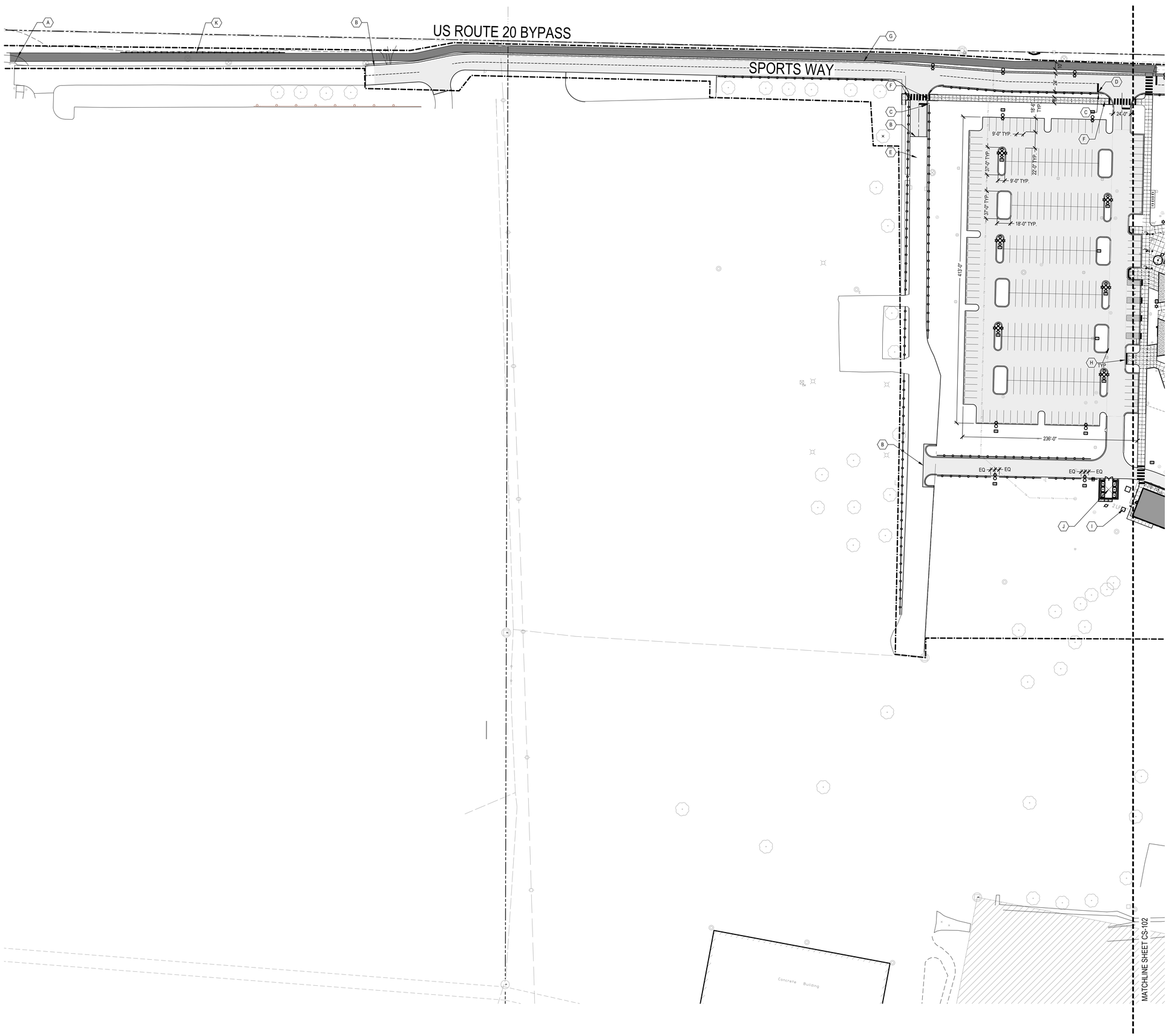
0' 100' 200' 400'
SCALE: 1" = 200'

SCALE

PROJECT NUMBER 14106

DRAWING NUMBER CS-100

FILE: C:\Users\wordecki\SmithGroup Companies Inc\PRJ - 14106 - SmithGroup - SmithGroup\CAD\05 Civil\14106-CS-100.dwg USER: kroderick DATE: Apr 11 2024 TIME: 09:57 pm



SHEET NOTES

1. SEE SHEET CS-100 FOR LAYOUT AND MATERIALS NOTES.

KEYED NOTES

- A — PROPOSED BIKE PATH CONNECTS TO EXISTING
- B — ROAD IMPROVEMENTS CONNECT TO EXISTING ROAD
- C — STOP BAR AND STOP SIGN (2/CS-501)
- D — END OF STANDARD CURB AND GUTTER (10/CS-502)
- E — EXISTING ROAD TO REMAIN
- F — ADA RAMP - TYPE A (1B/CS-502)
- G — BICYCLE BARRIER CURB (1T/CS-502)
- H — FIRE LANE MARKING, PAINTED RED, TYP
- I — TRANSFORMER PADS, SEE ELECTRICAL
- J — TRASH ENCLOSURE (1,3,5,6/CS-503)
- K — BICYCLE GUARDRAIL (6/CS-501)

LEGEND

- PROPERTY LINE
- EASEMENT
- LIMIT OF CONSTRUCTION
- MEDIUM DUTY ASPHALT PAVMENT (1/CS-504)
- LIGHT DUTY ASPHALT PAVEMENT (2/CS-504)
- HEAVY DUTY INTEGRAL COLORED CONCRETE PAVEMENT (4/CS-504)
- HEAVY DUTY CONCRETE PAVEMENT (6/CS-504)
- CONCRETE PAVEMENT (5/CS-504)
- GRAVEL SHOULDER (8/CS-504)
- TURF (7/CS-504)
- ADA TACTILE WARNING
- CONTROL JOINT (2/CS-505)
- ISOLATION (EXPANSION) JOINT (3/CS-505)
- CONCRETE TURNDOWN (1/CS-505)
- STANDARD CURB AND GUTTER (10/CS-502)
- RETAINING WALL (1/CS-506)
- CHAIN LINK FENCE (1/CS-507)
- BACKSTOP NET (1/CS-507)
- POST AND CHAIN (3/CS-507)
- GUARDRAIL (1/CS-508) (2/CS-508)
- 6FT MASONRY DUMPSTER ENCLOSURE
- WOOD BENCH ON CONCRETE PAD WITH PLINTH (1/CS-509)
- FLAGPOLES (1/CS-509)
- ROADWAY LIGHT POLE (SEE ELECTRICAL)
- PARKING LOT LIGHT POLE (SEE ELECTRICAL)
- SPORTS FIELD LIGHT POLE (SEE ELECTRICAL)
- LIGHT POLE (SEE ELECTRICAL)
- REMOVABLE BOLLARDS, TYP. (3/CS-509)
- BOLLARDS, TYP. (1/CS-509)

CALL J.U.L.I.E. 1-800-892-0123
48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

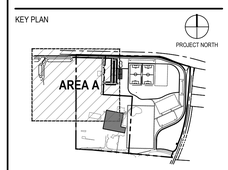
SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN



DRAWING TITLE
LAYOUT AND MATERIALS PLAN - AREA A

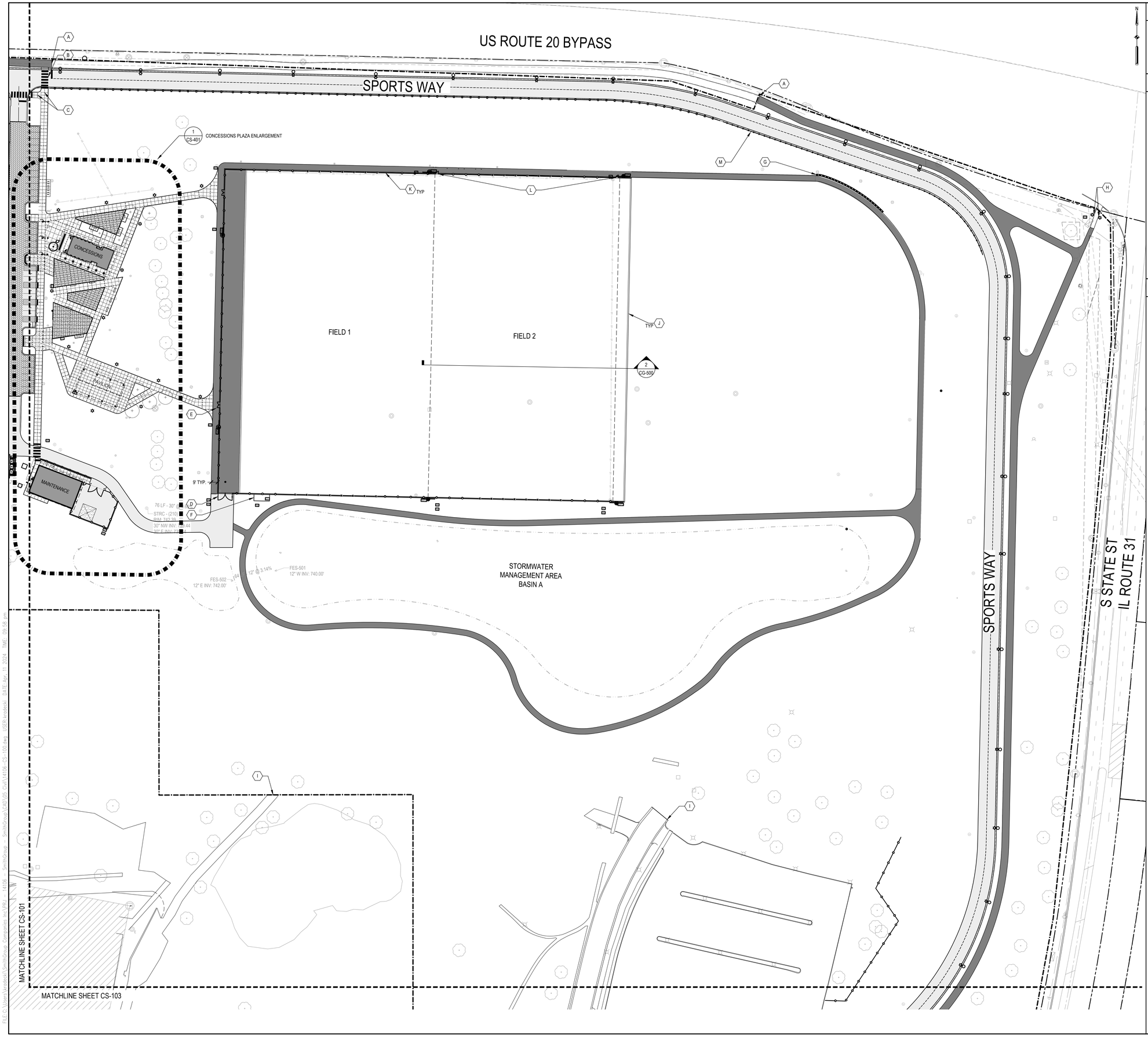
0' 25' 50' 100'
SCALE: 1" = 50'

SCALE

PROJECT NUMBER 14106

DRAWING NUMBER CS-101

FILE:C:\Users\kroderick\SmithGroup Companies Inc\PRJ - 14106 - SmithGroup - SmithGroup\CAD\05 Civil\14106-CS-100.dwg USER:kroderick DATE:Apr. 11, 2024 TIME: 09:57 pm



SHEET NOTES

1. SEE SHEET CS-100 FOR LAYOUT AND MATERIALS NOTES.

KEYED NOTES

- A PROPOSED BIKE PATH CONNECTS TO EXISTING
- B STOP BAR AND STOP SIGN (1/CS-500)
- C ADA RAMP - TYPE B (15/CS-500)
- D DOUBLE SWING GATE WITH 10 FOOT LEAFS (VEHICULAR) (1/CS-500)
- E DOUBLE SWING GATE WITH 4 FOOT LEAFS (PEDESTRIAN) (1/CS-500)
- F SCOREBOARD PAD (4/CS-500)
- G SEGMENTAL RETAINING WALL (2,3,5/CS-500)
- H EXISTING GATEWAY COLUMNS WITH NEW LIGHT FIXTURES, SEE ELECTRICAL DRAWINGS
- I END OF EXISTING ROAD
- J CHAINLINK FENCE (1/CS-500)
- K BACKSTOP (1/CS-500)
- L SINGLE LEAF 4 FOOT PEDESTRIAN GATE WITH PANIC EXIT (2/CS-500)
- M VEHICULAR GUARDRAIL (1/CS-500)

LEGEND

- PROPERTY LINE
- EASEMENT
- LIMIT OF CONSTRUCTION
- MEDIUM DUTY ASPHALT PAVMENT (1/CS-500)
- LIGHT DUTY ASPHALT PAVEMENT (7/CS-500)
- HEAVY DUTY INTEGRAL COLORED CONCRETE PAVEMENT (6/CS-500)
- HEAVY DUTY CONCRETE PAVEMENT (6/CS-500)
- CONCRETE PAVEMENT (1/CS-500)
- GRAVEL SHOULDER (4/CS-500)
- TURF (1/CS-500)
- ADA TACTILE WARNING
- CONTROL JOINT (7/CS-500)
- ISOLATION (EXPANSION) JOINT (1/CS-500)
- CONCRETE TURNDOWN (6/CS-500)
- STANDARD CURB AND GUTTER (15/CS-500)
- RETAINING WALL (5/CS-500)
- CHAIN LINK FENCE (2/CS-500)
- BACKSTOP NET (1/CS-500)
- POST AND CHAIN (8/CS-500)
- GUARDRAIL (1/CS-500) (6/CS-500)
- 6FT MASONRY DUMPSTER ENCLOSURE
- WOOD BENCH ON CONCRETE PAD WITH PLINTH (1/CS-500)
- FLAGPOLES (1/CS-500)
- ROADWAY LIGHT POLE (SEE ELECTRICAL)
- PARKING LOT LIGHT POLE (SEE ELECTRICAL)
- SPORTS FIELD LIGHT POLE (SEE ELECTRICAL)
- LIGHT POLE (SEE ELECTRICAL)
- REMOVABLE BOLLARDS, TYP. (1/CS-500)
- BOLLARDS, TYP. (1/CS-500)

CALL J.U.L.I.E. 1-800-892-0123
48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

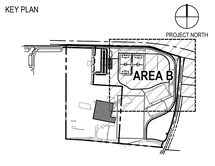
SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN



DRAWING TITLE
LAYOUT AND MATERIALS PLAN - AREA B

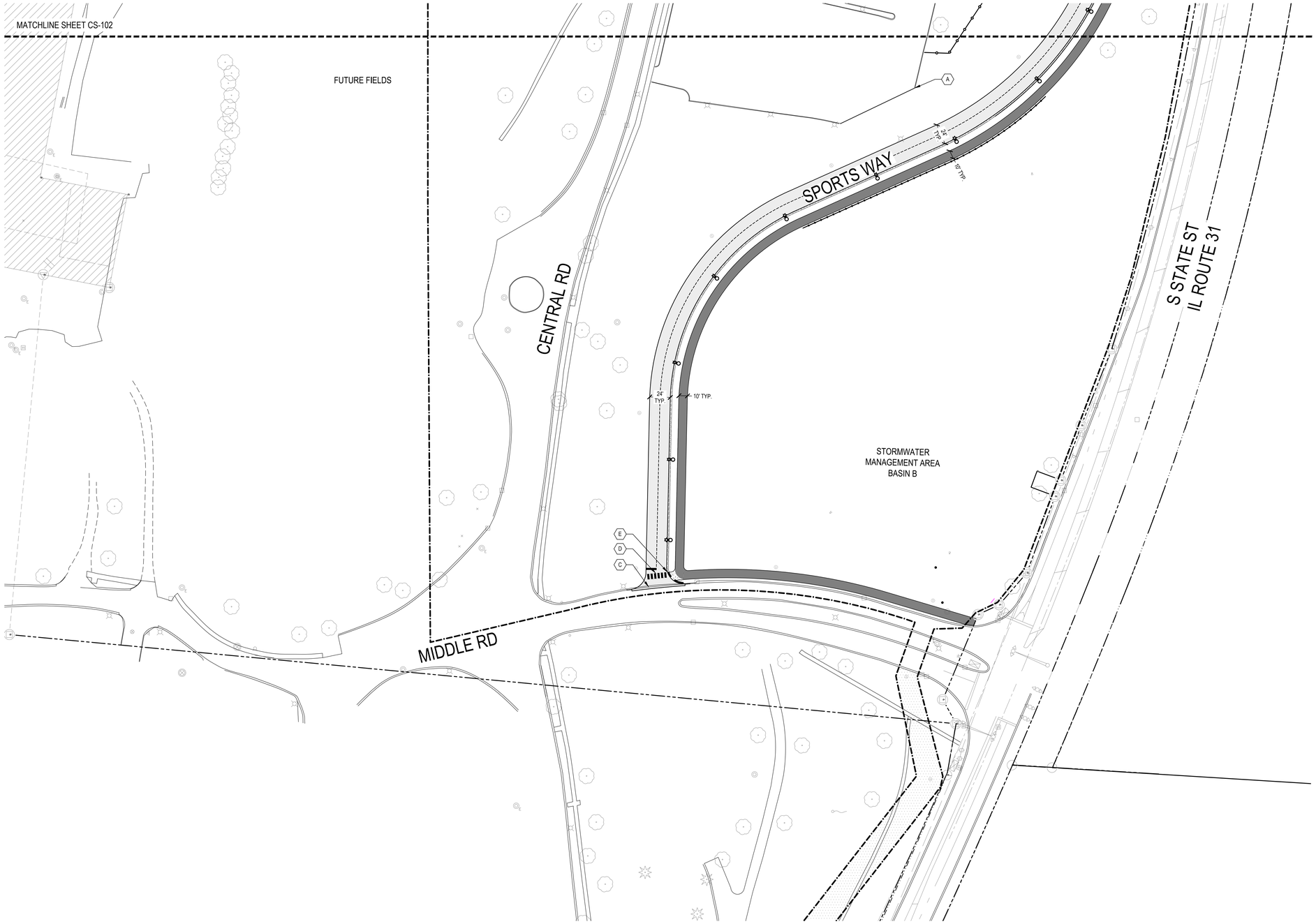
0' 25' 50' 100'
SCALE: 1" = 50'

SCALE

PROJECT NUMBER 14106

DRAWING NUMBER CS-102

FILE C:\Users\kendrick\SmithGroup, Companies Inc\PBL - 14106 - SmithGroup - SmithGroup\CAD\05 Civil\14106-CS-100.dwg USER: kendrick DATE: Apr 11 2024 TIME: 09:58 am



SHEET NOTES

1. SEE SHEET CS-100 FOR LAYOUT AND MATERIALS NOTES.

KEYED NOTES

- A NEW EDGE OF EXISTING PARKING LOT
- B BICYCLE GUARDRAIL (4/C2.500)
- C TIE IN PROPOSED ROAD INTO EXISTING ROAD
- D CROSSWALK WITH STOP BAR AND STOP SIGN
- E ADA RAMP - TYPE B (16/C2.500)

LEGEND

- PROPERTY LINE
- EASEMENT
- LIMIT OF CONSTRUCTION
- MEDIUM DUTY ASPHALT PAVMENT (1/C2.500)
- LIGHT DUTY ASPHALT PAVEMENT (2/C2.500)
- HEAVY DUTY INTEGRAL COLORED CONCRETE PAVEMENT (5/C2.500)
- HEAVY DUTY CONCRETE PAVEMENT (6/C2.500)
- CONCRETE PAVEMENT (8/C2.500)
- GRAVEL SHOULDER (9/C2.500)
- TURF (1/C2.500)
- ADA TACTILE WARNING
- CONTROL JOINT (7/C2.500)
- ISOLATION (EXPANSION) JOINT (8/C2.500)
- CONCRETE TURNDOWN (12/C2.500)
- STANDARD CURB AND GUTTER (15/C2.500)
- RETAINING WALL (12/C2.500)
- CHAIN LINK FENCE (1/C2.500)
- BACKSTOP NET (1/C2.500)
- POST AND CHAIN (1/C2.500)
- GUARDRAIL (1/C2.500) (1/C2.500)
- 6FT MASONRY DUMPSTER ENCLOSURE
- WOOD BENCH ON CONCRETE PAD WITH PLINTH (3/C2.500)
- FLAGPOLES (1/C2.500)
- ROADWAY LIGHT POLE (SEE ELECTRICAL)
- PARKING LOT LIGHT POLE (SEE ELECTRICAL)
- SPORTS FIELD LIGHT POLE (SEE ELECTRICAL)
- LIGHT POLE (SEE ELECTRICAL)
- REMOVABLE BOLLARDS, TYP. (3/C2.500)
- BOLLARDS, TYP. (4/C2.500)

CALL J.U.L.I.E. 1-800-892-0123
48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

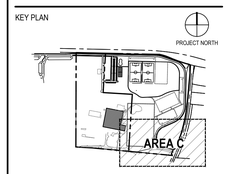
SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN



DRAWING TITLE
LAYOUT AND MATERIALS PLAN - AREA C

0' 20' 50' 100'
SCALE: 1" = 50'

SCALE

PROJECT NUMBER 14106

DRAWING NUMBER CS-103

FILE:C:\Users\kroolecki\SmithGroup Companies Inc\PRJ - 14106 - SmithGroup - CAD\05 Civil\14106-CS-100.dwg USER:kroolecki DATE:Apr 11 2024 TIME:09:58 am

1 PLAN

SCALE: 1" = 100'

LINE DATA		
Line #	Length	Direction
L1	60.106	N86° 21' 52.91"E
L2	46.185	N75° 53' 38.95"E
L3	555.184	S88° 46' 03.23"E
L4	159.238	S84° 48' 23.34"E
L5	976.280	S88° 46' 03.23"E
L6	292.980	S71° 04' 55.34"E
L7	774.542	S01° 13' 08.93"W
L8	183.227	S65° 49' 26.73"W
L9	183.802	S01° 12' 25.55"W
L10	42.377	S00° 52' 06.46"E

CURVE DATA					
Curve #	Radius	Length	Chord Direction	Start Point	End Point
C1	177.899	33.093	N85° 43' 59.49"E	(995284.8342,1950643.7298)	(995317.7881,1950646.1884)
C2	582.000	173.482	S80° 13' 41.69"E	(997007.4826,1950598.8349)	(997177.8151,1950569.4998)
C3	162.000	204.427	S34° 55' 53.20"E	(997454.9693,1950474.5116)	(997564.4100,1950317.8155)
C4	362.000	408.180	S33° 31' 17.83"W	(997547.9304,1949543.4484)	(997334.2657,1949220.9007)
C5	262.000	295.478	S33° 30' 56.14"W	(997167.1092,1949145.8620)	(997012.4667,1948912.3608)
C6	865.443	31.351	S00° 10' 09.54"W	(997008.5947,1948728.6000)	(997008.5020,1948697.2509)

SHEET NOTES

1. THE LAYOUT OF FACILITIES SHOWN ON THESE DRAWINGS ARE BASED ON THE HORIZONTAL AND VERTICAL CONTROL SYSTEM ESTABLISHED BY THE SURVEY. SEE SHEETS CV100 - CV103 FOR BENCHMARKS.
2. SET AUXILIARY BENCHMARKS AS REQUIRED TO LAYOUT AND CONSTRUCT WORK.
3. IN THE EVENT OF ANY DISCREPANCIES BETWEEN THESE CONTRACT DOCUMENTS AND THE ELECTRONIC FILES, THE CONTRACT DRAWINGS WILL CONTROL. NOTIFY THE ENGINEER IMMEDIATELY WHEN ANY DISCREPANCY IS NOTED.
4. FIELD VERIFY ALL DIMENSIONS. REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
5. MAKE ADJUSTMENTS TO THE LAYOUT AS DIRECTED BY THE ENGINEER TO ENSURE PROPER CONNECTION TO EXISTING FACILITIES AND SITE AMENITIES.
6. CURB DIMENSIONS ARE TO BACK OF CURB, EDGE OF PAVEMENT, OR CENTERLINE OF ROAD, UNLESS OTHERWISE NOTED.
7. PROPOSED CURBS TO BE FIELD STAKED FOR APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION.
8. PAVING RADII SHALL BE FORMED COMPLETELY AND SMOOTHLY TRANSITION INTO TANGENTS AND ADJOINING LINES. FLAT CURVE SEGMENTS IN HORIZONTAL LAYOUT SHALL BE REMOVED AND REPLACED AT NO COST TO OWNER.
9. IN ADDITION TO THOSE SHOWN, EXPANSION JOINTS SHALL BE LOCATED AT ALL FIXED SITE ELEMENTS, I.E. WHERE PAVEMENT MEETS BUILDINGS, CURBS, UTILITIES, ETC.
10. AN ELECTRONIC COPY OF AUTOCAD DRAWING FILES WILL BE PROVIDED FOR LAYOUT OF PROPOSED FACILITIES DESIGNED BY SMITHGROUP AND SHOULD BE USED ONLY FOR THOSE FACILITIES. NO GUARANTEE IS MADE BY SMITHGROUP FOR THE ACCURACY OF WORK PROVIDED BY OTHERS.

KEYED NOTES

- (A) BIKE PATH
- (B) EXISTING ASPHALT ROAD
- (C) PARKING LOT 1
- (D) CONCESSIONS BUILDING
- (E) PAVILION
- (F) MAINTENANCE BUILDING
- (G) FIELD 1
- (H) FIELD 2
- (I) STORMWATER MANAGEMENT AREA: BASIN A
- (J) CONCRETE WALKING PATH
- (K) ASPHALT WALKING PATH
- (L) EXISTING ASPHALT ROAD
- (M) EXISTING PARKING LOT
- (N) STORMWATER MANAGEMENT AREA: BASIN B

LEGEND

- PROPERTY LINE
- EASEMENT
- LIMIT OF CONSTRUCTION
- MEDIUM DUTY ASPHALT PAVMENT (1/C-500)
- LIGHT DUTY ASPHALT PAVEMENT (2/C-500)
- HEAVY DUTY INTEGRAL COLORED CONCRETE PAVEMENT (3/C-500)
- HEAVY DUTY CONCRETE PAVEMENT (4/C-500)
- CONCRETE PAVEMENT (5/C-500)
- GRAVEL SHOULDER (6/C-500)
- TURF (7/C-500)
- ADA TACTILE WARNING
- CONTROL JOINT (8/C-500)
- ISOLATION (EXPANSION) JOINT (9/C-500)
- CONCRETE TURNDOWN (10/C-500)
- STANDARD CURB AND GUTTER (11/C-500)
- RETAINING WALL (12/C-500)
- CHAIN LINK FENCE (13/C-500)
- BACKSTOP NET (14/C-500)
- POST AND CHAIN (15/C-500)
- GUARDRAIL (16/C-500) (17/C-500)
- 6FT MASONRY DUMPSTER ENCLOSURE
- WOOD BENCH ON CONCRETE PAD WITH PLINTH (18/C-500)
- FLAGPOLES (19/C-500)
- ROADWAY LIGHT POLE (SEE ELECTRICAL)
- PARKING LOT LIGHT POLE (SEE ELECTRICAL)
- SPORTS FIELD LIGHT POLE (SEE ELECTRICAL)
- LIGHT POLE (SEE ELECTRICAL)
- REMOVABLE BOLLARDS, TYP. (20/C-500)
- BOLLARDS, TYP. (21/C-500)

CALL J.U.L.I.E. 1-800-892-0123
48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

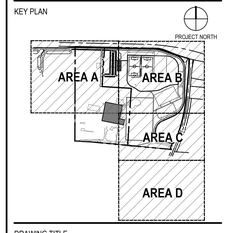
SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN



DRAWING TITLE
SPORTS WAY PLAN AND PROFILE

0 75' 150' 300'
SCALE: 1" = 150'

SCALE

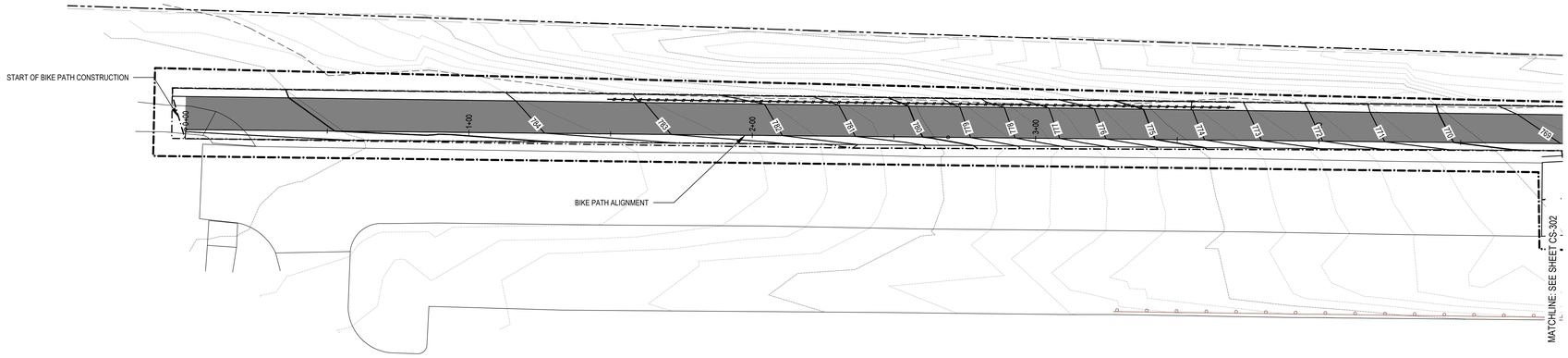
PROJECT NUMBER 14106

DRAWING NUMBER CS-300

FILE: C:\Users\kovalock\SmithGroup Companies Inc\PBL - 14106 - SmithGroup - SmithGroup\CAD\05 Civil\14106-CS-300.dwg USER: kovalock DATE: Apr 11 2024 TIME: 09:59 pm

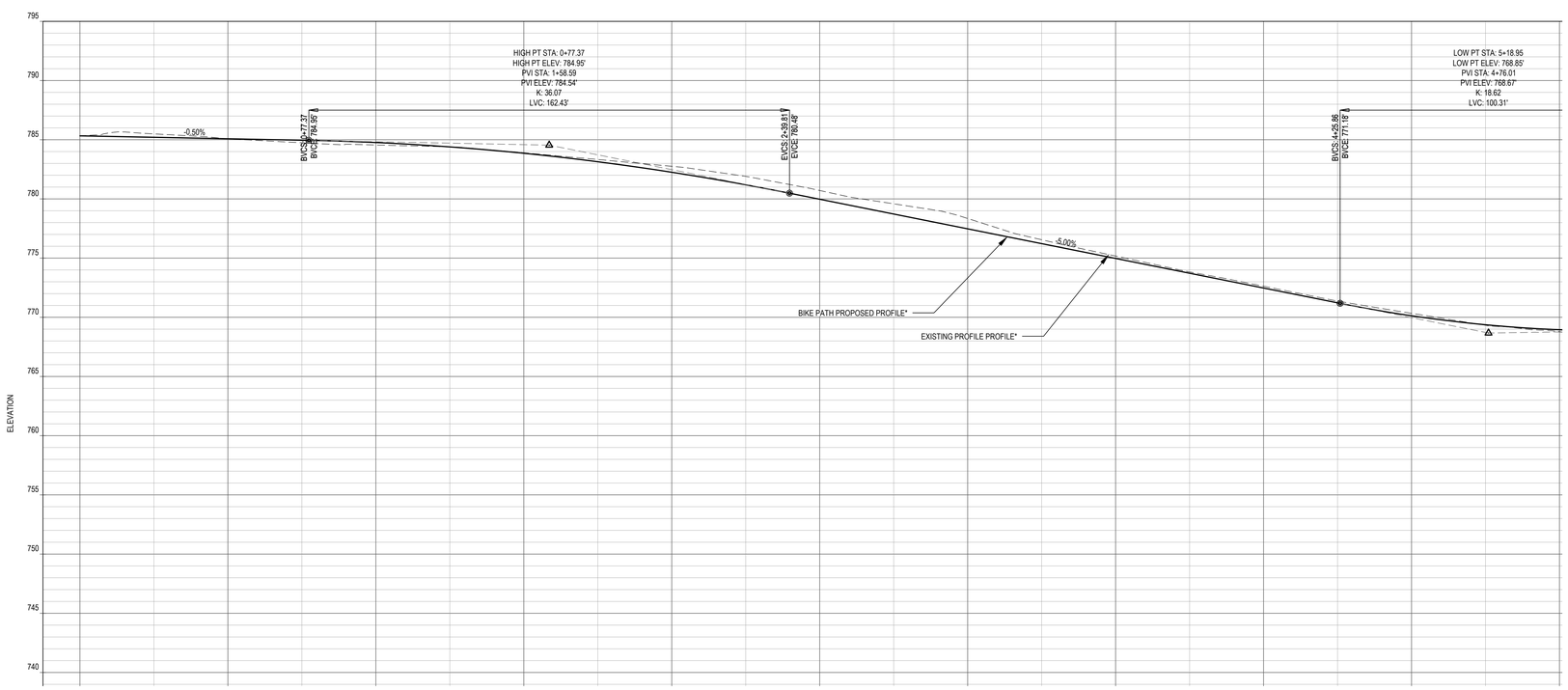
LINE DATA		
Line #	Length	Direction
L1	60.106	N86° 21' 52.91"E
L2	46.185	N75° 53' 38.95"E
L3	555.184	S88° 46' 03.23"E
L4	159.238	S84° 48' 23.34"E
L5	976.280	S88° 46' 03.23"E
L6	292.980	S71° 04' 55.34"E
L7	774.542	S01° 13' 08.93"W
L8	183.227	S65° 49' 26.73"W
L9	183.802	S01° 12' 25.55"W
L10	42.377	S00° 52' 06.46"E

CURVE DATA					
Curve #	Radius	Length	Chord Direction	Start Point	End Point
C1	177.899	33.093	N85° 43' 59.49"E	(995284.8342,1950643.7298)	(995317.7881,1950646.1884)
C2	582.000	173.482	S80° 13' 41.69"E	(997007.4826,1950598.8349)	(997177.8151,1950569.4998)
C3	162.000	204.427	S34° 55' 53.20"E	(997454.9693,1950474.5116)	(997564.4100,1950317.8155)
C4	362.000	408.180	S33° 31' 17.83"W	(997547.9304,1949543.4484)	(997334.2657,1949220.9007)
C5	262.000	295.478	S33° 30' 56.14"W	(997167.1092,1949145.8620)	(997012.4667,1948912.3608)
C6	865.443	31.351	S00° 10' 09.54"W	(997008.5947,1948728.6000)	(997008.5020,1948697.2509)



1 BIKE PATH PLAN STA 00+00 TO STA 04+86

SCALE: 1" = 20'



2 PROFILE

HORIZ SCALE: 1" = 20'
VERT SCALE: 1" = 5'

SHEET NOTES

1. PROFILE GRADE OF STREET IS SHOWN ALONG THE STATIONING LINE.
2. SEE CS 302 TO CS 308 FOR ROADWAY ALIGNMENT AND PROFILE.

LEGEND

- PROPERTY LINE
- EASEMENT
- LIMIT OF CONSTRUCTION
- MEDIUM DUTY ASPHALT PAVMENT (1/CS-500)
- LIGHT DUTY ASPHALT PAVEMENT (2/CS-500)
- HEAVY DUTY INTEGRAL COLORED CONCRETE PAVEMENT (3/CS-500)
- HEAVY DUTY CONCRETE PAVEMENT (4/CS-500)
- CONCRETE PAVEMENT (5/CS-500)
- GRAVEL SHOULDER (6/CS-500)
- TURF (1/CS-500)
- ADA TACTILE WARNING
- CONTROL JOINT (7/CS-500)
- ISOLATION (EXPANSION) JOINT (8/CS-500)
- CONCRETE TURNDOWN (9/CS-500)
- STANDARD CURB AND GUTTER (10/CS-500)
- RETAINING WALL (11/CS-500)
- CHAIN LINK FENCE (12/CS-500)
- BACKSTOP NET (13/CS-500)
- POST AND CHAIN (14/CS-500)
- GUARDRAIL (15/CS-500) (16/CS-500)
- 6FT MASONRY DUMPSTER ENCLOSURE
- WOOD BENCH ON CONCRETE PAD WITH PLINTH (17/CS-500)
- FLAGPOLES (18/CS-500)
- ROADWAY LIGHT POLE (SEE ELECTRICAL)
- PARKING LOT LIGHT POLE (SEE ELECTRICAL)
- SPORTS FIELD LIGHT POLE (SEE ELECTRICAL)
- LIGHT POLE (SEE ELECTRICAL)
- REMOVABLE BOLLARDS, TYP. (19/CS-500)
- BOLLARDS, TYP. (19/CS-500)

CALL J.U.L.I.E. 1-800-892-0123
48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

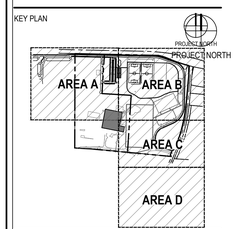
SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN



DRAWING TITLE

SPORTS WAY PLAN AND PROFILE

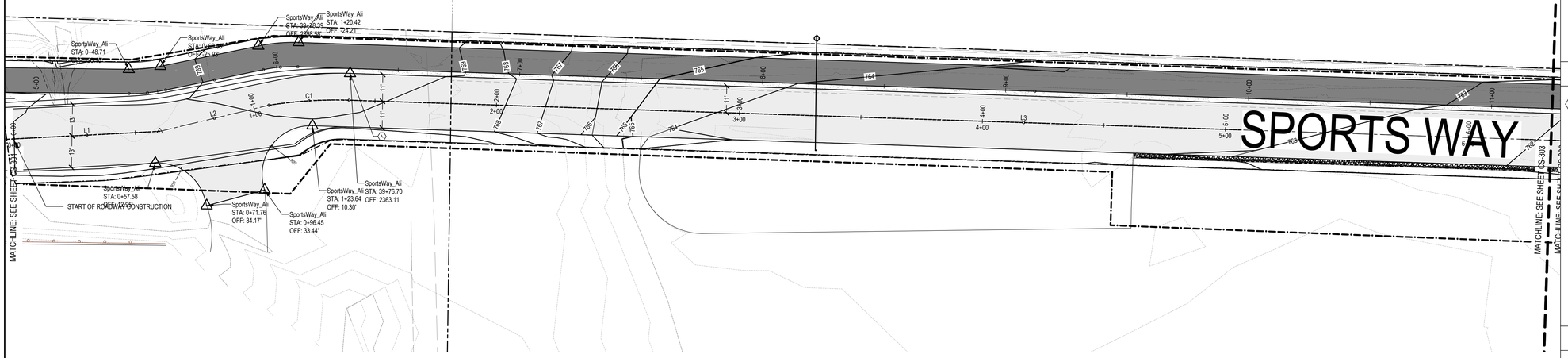
SCALE

PROJECT NUMBER 14106

DRAWING NUMBER CS-301

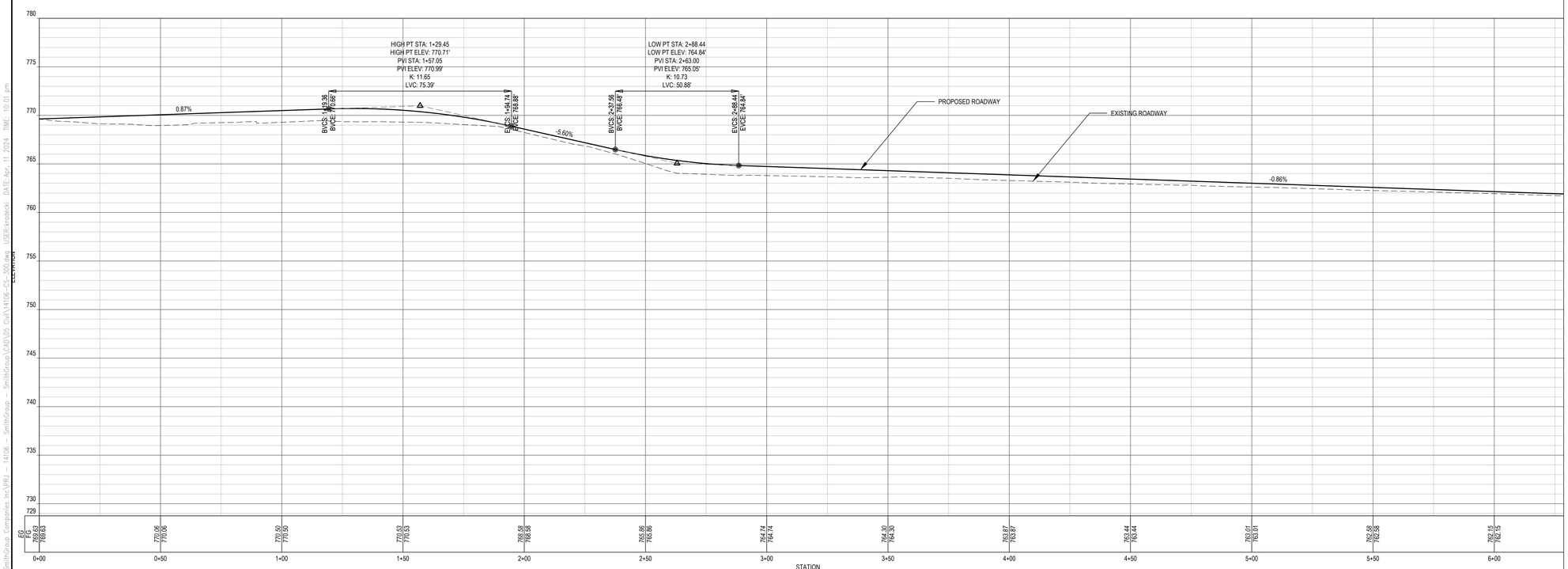
LINE DATA		
Line #	Length	Direction
L1	60.106	N86° 21' 52.91"E
L2	46.185	N75° 53' 38.95"E
L3	555.184	S88° 46' 03.23"E
L4	159.238	S84° 48' 23.34"E
L5	976.280	S88° 46' 03.23"E
L6	292.980	S71° 04' 55.34"E
L7	774.542	S01° 13' 08.93"W
L8	183.227	S65° 49' 26.73"W
L9	183.802	S01° 12' 25.55"W
L10	42.377	S00° 52' 06.46"E

CURVE DATA					
Curve #	Radius	Length	Chord Direction	Start Point	End Point
C1	177.899	33.093	N85° 43' 59.49"E	(995284.8342,1950643.7298)	(995317.7881,1950646.1884)
C2	582.000	173.482	S80° 13' 41.69"E	(997007.4826,1950598.8349)	(997177.8151,1950569.4998)
C3	162.000	204.427	S34° 55' 53.20"E	(997454.9693,1950474.5116)	(997564.4100,1950317.8155)
C4	362.000	408.180	S33° 31' 17.83"W	(997547.9304,1949543.4484)	(997334.2657,1949220.9007)
C5	262.000	295.478	S33° 30' 56.14"W	(997167.1092,1949145.8620)	(997012.4667,1948912.3608)
C6	865.443	31.351	S00° 10' 09.54"W	(997008.5947,1948728.6000)	(997008.5020,1948697.2509)



1 PLAN STA 00+00 TO STA 06+50

SCALE: 1" = 20'



2 PROFILE STA 00+00 TO STA 06+50

HORIZ SCALE: 1" = 20'
VERT SCALE: 1" = 5'

SHEET NOTES

1. PROFILE GRADE OF STREET IS SHOWN ALONG THE STATIONING LINE.

KEYED NOTES

A BICYCLE BARRIER CURB (SEE DETAIL 18 ON CS500)

LEGEND

- PROPERTY LINE
- EASEMENT
- LIMIT OF CONSTRUCTION
- MEDIUM DUTY ASPHALT PAVMENT (1/CS-500)
- LIGHT DUTY ASPHALT PAVEMENT (2/CS-500)
- HEAVY DUTY INTEGRAL COLORED CONCRETE PAVEMENT (3/CS-500)
- HEAVY DUTY CONCRETE PAVEMENT (4/CS-500)
- CONCRETE PAVEMENT (5/CS-500)
- GRAVEL SHOULDER (6/CS-500)
- TURF (7/CS-500)
- ADA TACTILE WARNING
- CONTROL JOINT (2/CS-501)
- ISOLATION (EXPANSION) JOINT (3/CS-501)
- CONCRETE TURNDOWN (3/CS-501)
- STANDARD CURB AND GUTTER (1/CS-501)
- RETAINING WALL (7/CS-501)
- CHAIN LINK FENCE (12/CS-501)
- BACKSTOP NET (13/CS-501)
- POST AND CHAIN (12/CS-501)
- GUARDRAIL (14/CS-501, 6/CS-501)
- 6FT MASONRY DUMPSTER ENCLOSURE
- WOOD BENCH ON CONCRETE PAD WITH PLINTH (1/CS-502)
- FLAGPOLES (10/CS-501)
- ROADWAY LIGHT POLE (SEE ELECTRICAL)
- PARKING LOT LIGHT POLE (SEE ELECTRICAL)
- SPORTS FIELD LIGHT POLE (SEE ELECTRICAL)
- LIGHT POLE (SEE ELECTRICAL)
- REMOVABLE BOLLARDS, TYP. (2/CS-501)
- BOLLARDS, TYP. (1/CS-501)

CALL J.U.L.I.E. 1-800-892-0123
48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

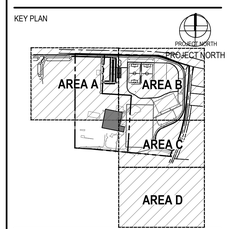
SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN



DRAWING TITLE
SPORTS WAY PLAN AND PROFILE

SCALE:

SCALE 14106

PROJECT NUMBER

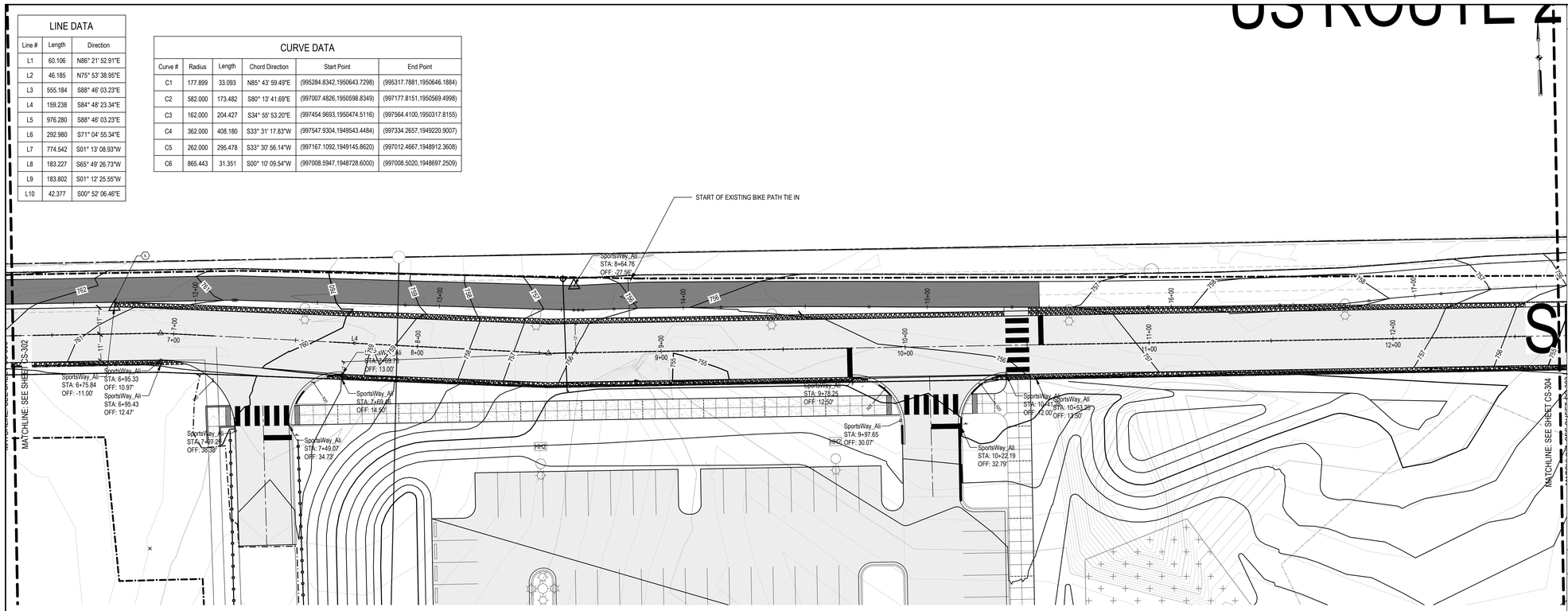
CS-302

DRAWING NUMBER

FILE: C:\Users\kendeck\SmithGroup Companies Inc\PRJ - 14106 - SmithGroup - SmithGroup\CAD\05 Civil\14106-CS-300.dwg USER: kendeck DATE: Apr. 11, 2024 TIME: 10:01 pm

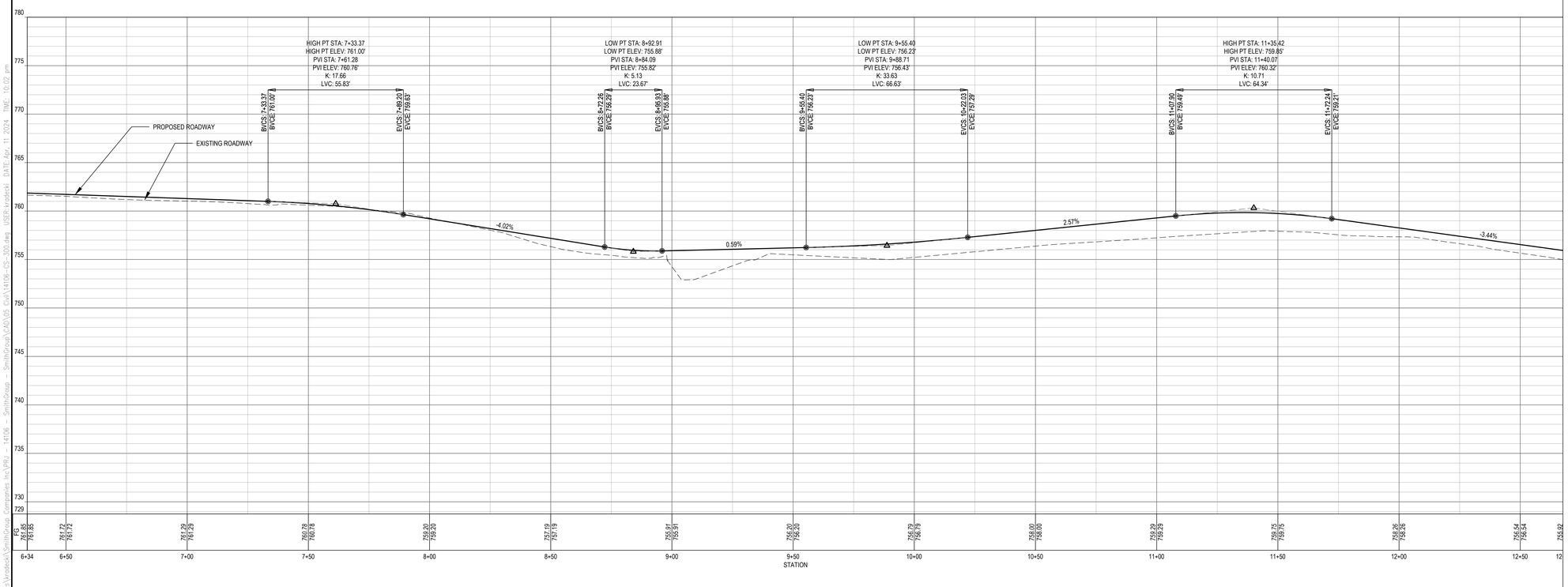
LINE DATA		
Line #	Length	Direction
L1	60.106	N86° 21' 52.91"E
L2	46.185	N75° 53' 38.95"E
L3	555.184	S88° 46' 03.23"E
L4	159.238	S84° 48' 23.34"E
L5	976.280	S88° 46' 03.23"E
L6	292.980	S71° 04' 55.34"E
L7	774.542	S01° 13' 08.93"W
L8	183.227	S65° 49' 26.73"W
L9	183.802	S01° 12' 25.55"W
L10	42.377	S00° 52' 06.46"E

CURVE DATA					
Curve #	Radius	Length	Chord Direction	Start Point	End Point
C1	177.899	33.093	N85° 43' 59.49"E	(995284.8342,1950643.7298)	(995317.7881,1950646.1884)
C2	582.000	173.482	S80° 13' 41.69"E	(997007.4826,1950598.8349)	(997177.8151,1950569.4998)
C3	162.000	204.427	S34° 55' 53.20"E	(997454.9693,1950474.5116)	(997564.4100,1950317.8155)
C4	362.000	408.180	S33° 31' 17.83"W	(997547.9304,1949543.4484)	(997334.2657,1949220.9007)
C5	262.000	295.478	S33° 30' 56.14"W	(997167.1092,1949145.8620)	(997012.4667,1948912.3608)
C6	865.443	31.351	S00° 10' 09.54"W	(997008.5947,1948728.6000)	(997008.5020,1948697.2509)



1 PLAN STA 06+50 TO STA 12+68

SCALE: 1" = 20'



2 PROFILE STA 06+50 TO STA 12+68

HORIZ SCALE: 1" = 20'
VERT SCALE: 1" = 5'

SHEET NOTES

1. PROFILE GRADE OF STREET IS SHOWN ALONG THE STATIONING LINE.

KEYED NOTES

A BICYCLE BARRIER CURB (SEE DETAIL 18 ON CS500)

LEGEND

- PROPERTY LINE
- EASEMENT
- LIMIT OF CONSTRUCTION
- MEDIUM DUTY ASPHALT PAVMENT (1/CS-500)
- LIGHT DUTY ASPHALT PAVEMENT (2/CS-500)
- HEAVY DUTY INTEGRAL COLORED CONCRETE PAVEMENT (3/CS-500)
- HEAVY DUTY CONCRETE PAVEMENT (4/CS-500)
- CONCRETE PAVEMENT (5/CS-500)
- GRAVEL SHOULDER (6/CS-500)
- TURF (7/CS-500)
- ADA TACTILE WARNING
- CONTROL JOINT (7/CS-500)
- ISOLATION (EXPANSION) JOINT (8/CS-500)
- CONCRETE TURNDOWN (9/CS-500)
- STANDARD CURB AND GUTTER (10/CS-500)
- RETAINING WALL (11/CS-500)
- CHAIN LINK FENCE (12/CS-500)
- BACKSTOP NET (13/CS-500)
- POST AND CHAIN (13/CS-500)
- GUARDRAIL (14/CS-500, 15/CS-500)
- 6FT MASONRY DUMPSTER ENCLOSURE
- WOOD BENCH ON CONCRETE PAD WITH PLINTH (1/CS-506)
- FLAGPOLES (2/CS-506)
- ROADWAY LIGHT POLE (SEE ELECTRICAL)
- PARKING LOT LIGHT POLE (SEE ELECTRICAL)
- SPORTS FIELD LIGHT POLE (SEE ELECTRICAL)
- LIGHT POLE (SEE ELECTRICAL)
- REMOVABLE BOLLARDS, TYP. (3/CS-506)
- BOLLARDS, TYP. (4/CS-506)

CALL J.U.L.I.E. 1-800-892-0123
48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

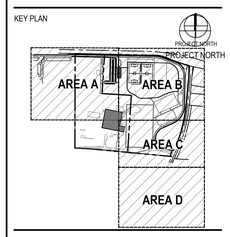
SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN



DRAWING TITLE
SPORTS WAY PLAN AND PROFILE

SCALE:

SCALE 14106

PROJECT NUMBER

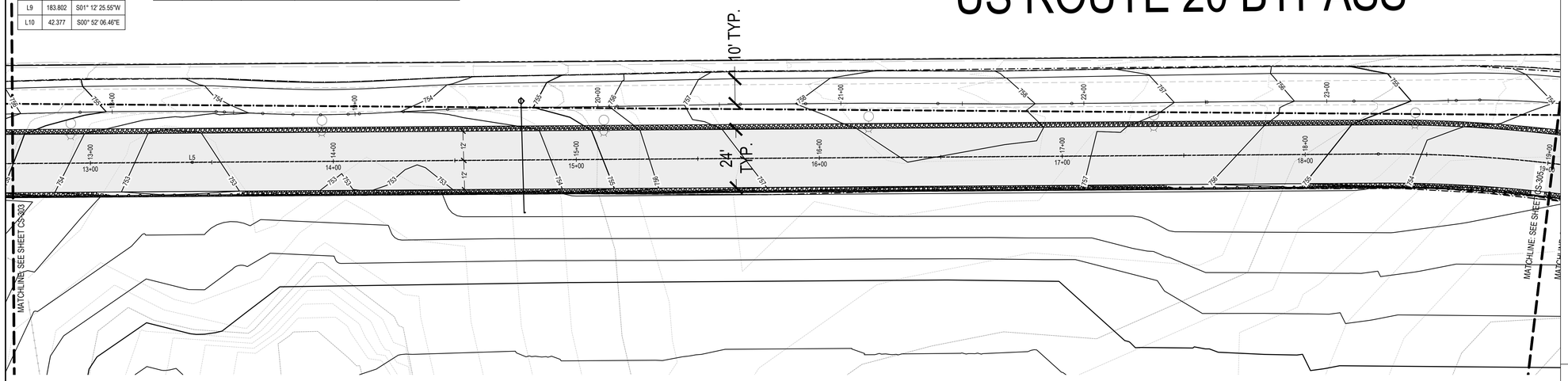
DRAWING NUMBER CS-303

FILE: C:\User\kroubecki\SmithGroup Companies Inc\PRJ - 14106 - SmithGroup - SmithGroup\CAD\05 Civil\14106-CS-300.dwg USER: kroubecki DATE: Apr 11, 2024 TIME: 10:02 pm

LINE DATA		
Line #	Length	Direction
L1	60.106	N86° 21' 52.91"E
L2	46.185	N75° 53' 38.95"E
L3	555.184	S88° 46' 03.23"E
L4	159.238	S84° 48' 23.34"E
L5	976.280	S88° 46' 03.23"E
L6	292.980	S71° 04' 55.34"E
L7	774.542	S01° 13' 08.93"W
L8	183.227	S65° 49' 26.73"W
L9	183.802	S01° 12' 25.55"W
L10	42.377	S00° 52' 06.46"E

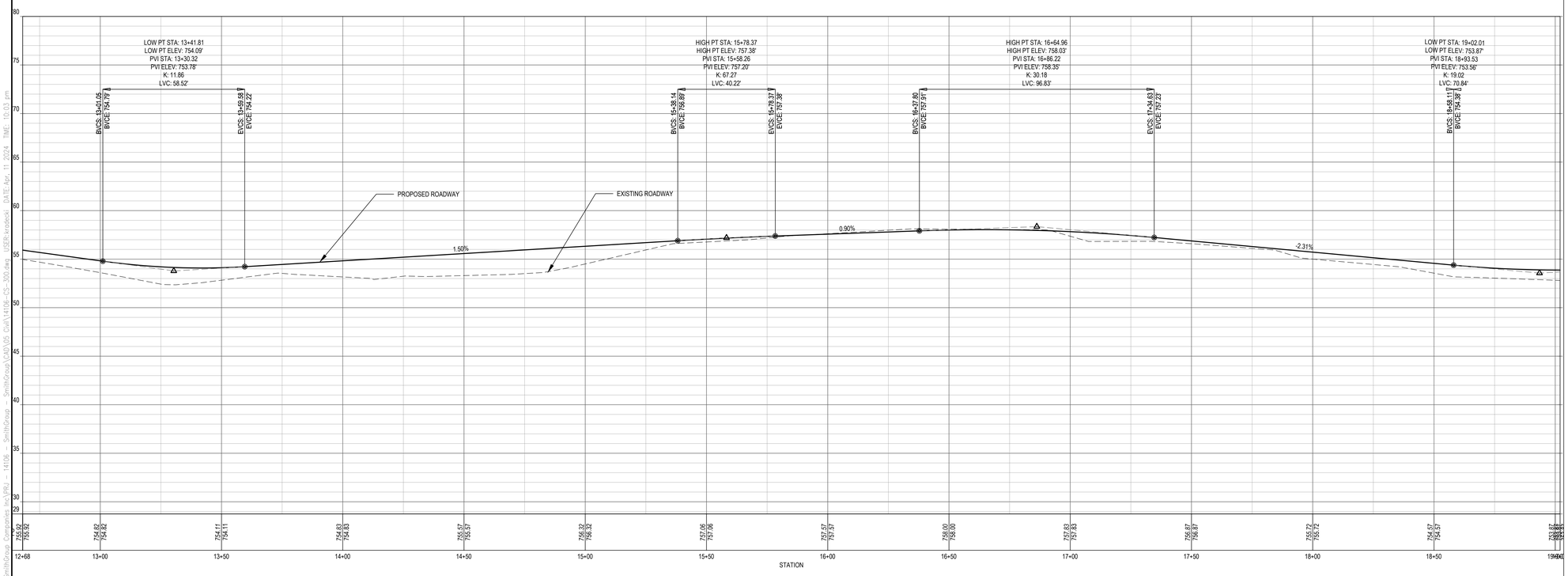
CURVE DATA					
Curve #	Radius	Length	Chord Direction	Start Point	End Point
C1	177.899	33.093	N85° 43' 59.49"E	(995284.8342,1950643.7298)	(995317.7881,1950646.1884)
C2	582.000	173.482	S80° 13' 41.69"E	(997007.4826,1950598.8349)	(997177.8151,1950569.4998)
C3	162.000	204.427	S34° 55' 53.20"E	(997454.9693,1950474.5116)	(997564.4100,1950317.8155)
C4	362.000	408.180	S33° 31' 17.83"W	(997547.9304,1949543.4484)	(997334.2657,1949220.9007)
C5	262.000	295.478	S33° 30' 56.14"W	(997167.1092,1949145.8620)	(997012.4667,1948912.3608)
C6	865.443	31.351	S00° 10' 09.54"W	(997008.5947,1948728.6000)	(997008.5020,1948697.2509)

US ROUTE 20 BYPASS



1 PLAN STA 12+68 TO STA 19+00

SCALE: 1" = 20'



2 PROFILE STA 12+68 TO STA 19+00

HORIZ SCALE: 1" = 20'
VERT SCALE: 1" = 5'

SHEET NOTES

1. PROFILE GRADE OF STREET IS SHOWN ALONG THE STATIONING LINE.

LEGEND

- PROPERTY LINE
- EASEMENT
- LIMIT OF CONSTRUCTION
- MEDIUM DUTY ASPHALT PAVMENT (1/CS-500)
- LIGHT DUTY ASPHALT PAVEMENT (2/CS-500)
- HEAVY DUTY INTEGRAL COLORED CONCRETE PAVEMENT (3/CS-500)
- HEAVY DUTY CONCRETE PAVEMENT (4/CS-500)
- CONCRETE PAVEMENT (5/CS-500)
- GRAVEL SHOULDER (6/CS-500)
- TURF (7/CS-500)
- ADA TACTILE WARNING
- CONTROL JOINT (2/CS-500)
- ISOLATION (EXPANSION) JOINT (8/CS-500)
- CONCRETE TURNDOWN (9/CS-500)
- STANDARD CURB AND GUTTER (10/CS-500)
- RETAINING WALL (1/CS-505)
- CHAIN LINK FENCE (12/CS-500)
- BACKSTOP NET (13/CS-500)
- POST AND CHAIN (14/CS-500)
- GUARDRAIL (15/CS-500, 16/CS-500)
- 6FT MASONRY DUMPSTER ENCLOSURE
- WOOD BENCH ON CONCRETE PAD WITH PLINTH (17/CS-500)
- FLAGPOLES (18/CS-500)
- ROADWAY LIGHT POLE (SEE ELECTRICAL)
- PARKING LOT LIGHT POLE (SEE ELECTRICAL)
- SPORTS FIELD LIGHT POLE (SEE ELECTRICAL)
- LIGHT POLE (SEE ELECTRICAL)
- REMOVABLE BOLLARDS, TYP. (19/CS-500)
- BOLLARDS, TYP. (20/CS-500)

CALL J.U.L.I.E. 1-800-892-0123
48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

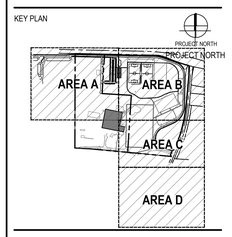
SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN



DRAWING TITLE
SPORTS WAY PLAN AND PROFILE

SCALE:

SCALE 14106

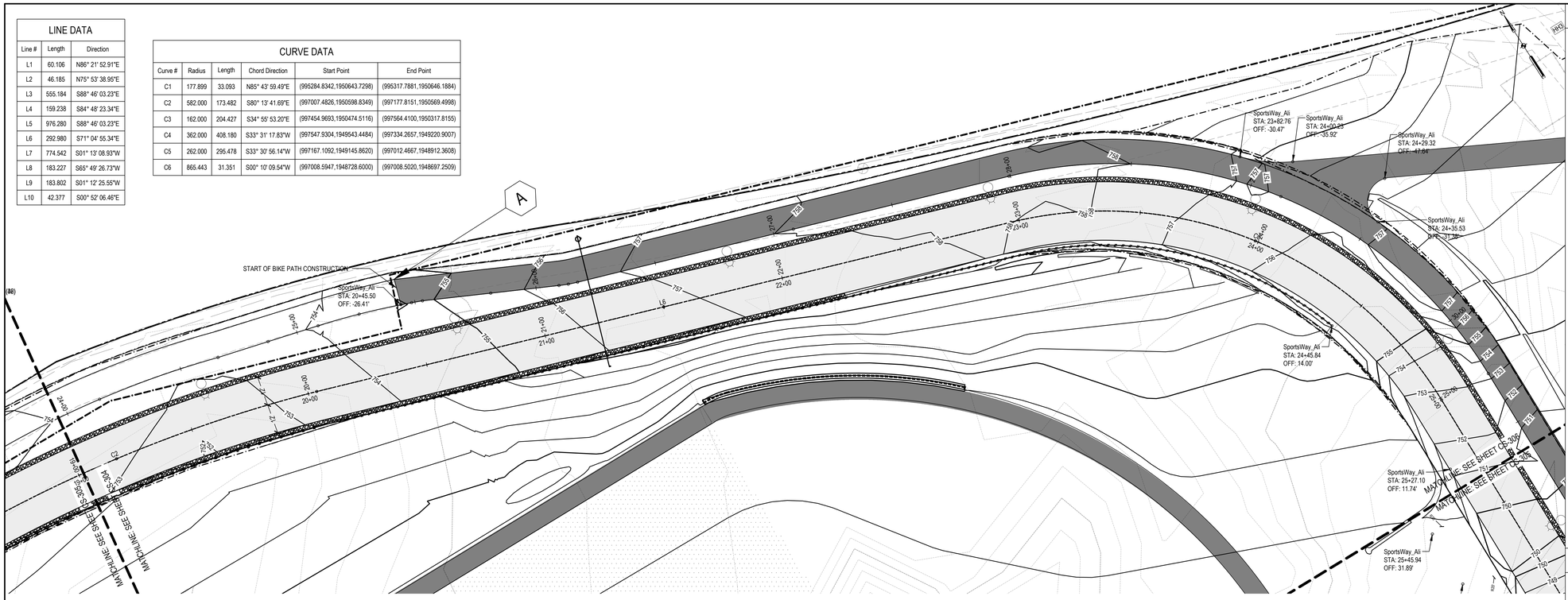
PROJECT NUMBER

DRAWING NUMBER CS-304

FILE: C:\Users\kroskopk3\SmithGroup Companies Inc\DRJ - 14106 - SmithGroup - SmithGroup\CAD\05 Civil\14106-CS-300.dwg USER: kroskopk DATE: Apr. 11, 2024 TIME: 10:03 am

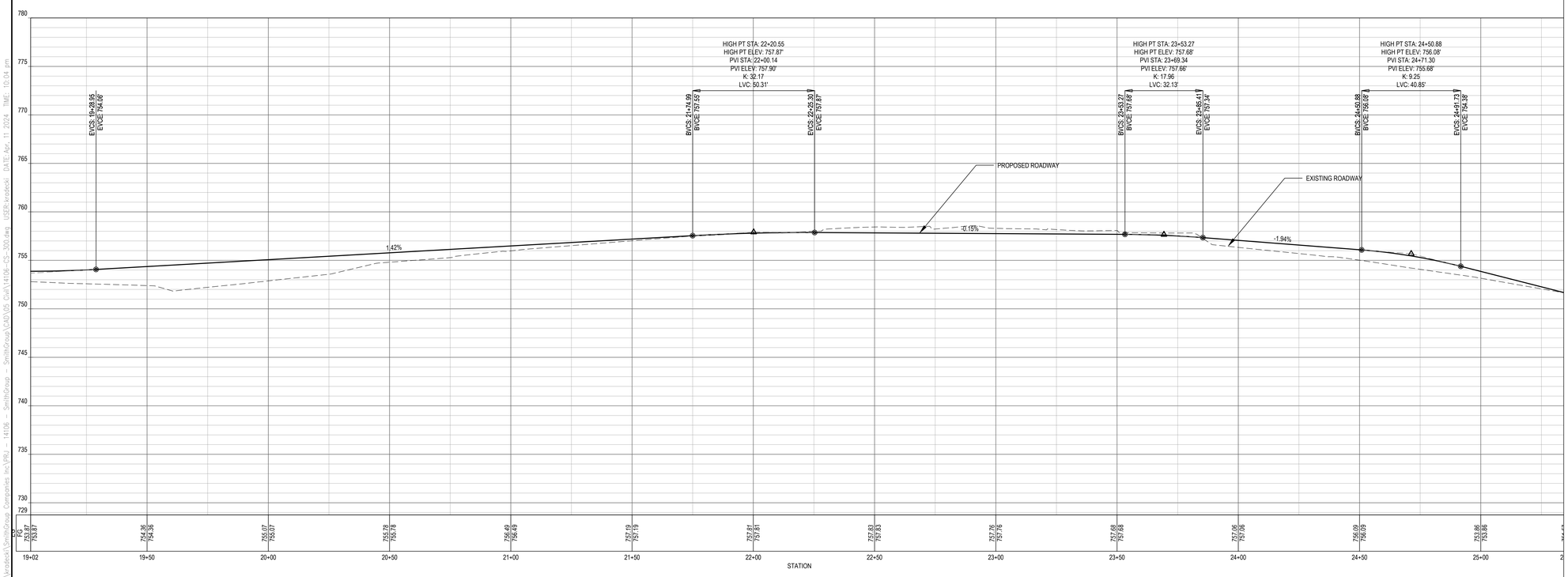
LINE DATA		
Line #	Length	Direction
L1	60.106	N86° 21' 52.91"E
L2	46.185	N75° 53' 38.95"E
L3	555.184	S88° 46' 03.23"E
L4	159.238	S84° 48' 23.34"E
L5	976.280	S88° 46' 03.23"E
L6	292.980	S71° 04' 55.34"E
L7	774.542	S01° 13' 08.93"W
L8	183.227	S65° 49' 26.73"W
L9	183.802	S01° 12' 25.55"W
L10	42.377	S00° 52' 06.46"E

CURVE DATA					
Curve #	Radius	Length	Chord Direction	Start Point	End Point
C1	177.899	33.093	N85° 43' 59.49"E	(995284.8342,1950643.7298)	(995317.7881,1950646.1884)
C2	582.000	173.482	S80° 13' 41.69"E	(997007.4826,1950598.8349)	(997177.8151,1950569.4998)
C3	162.000	204.427	S34° 55' 53.20"E	(997454.9693,1950474.5116)	(997564.4100,1950317.8155)
C4	362.000	408.180	S33° 31' 17.83"W	(997547.9304,1949543.4484)	(997334.2657,1949220.9007)
C5	262.000	295.478	S33° 30' 56.14"W	(997167.1092,1949145.8620)	(997012.4667,1948912.3608)
C6	865.443	31.351	S00° 10' 09.54"W	(997008.5947,1948728.6000)	(997008.5020,1948697.2509)



1 PLAN STA 19+00 TO STA 25+36

SCALE: 1" = 20'



2 PROFILE STA 19+00 TO STA 25+36

HORIZ SCALE: 1" = 20'
VERT SCALE: 1" = 5'

SHEET NOTES

1. PROFILE GRADE OF STREET IS SHOWN ALONG THE STATIONING LINE.

LEGEND

- PROPERTY LINE
- EASEMENT
- LIMIT OF CONSTRUCTION
- MEDIUM DUTY ASPHALT PAVMENT (1/CS-500)
- LIGHT DUTY ASPHALT PAVEMENT (2/CS-500)
- HEAVY DUTY INTEGRAL COLORED CONCRETE PAVEMENT (3/CS-500)
- HEAVY DUTY CONCRETE PAVEMENT (4/CS-500)
- CONCRETE PAVEMENT (5/CS-500)
- GRAVEL SHOULDER (6/CS-500)
- TURF (7/CS-500)
- ADA TACTILE WARNING
- CONTROL JOINT (2/CS-501)
- ISOLATION (EXPANSION) JOINT (3/CS-501)
- CONCRETE TURNDOWN (5/CS-501)
- STANDARD CURB AND GUTTER (1/CS-501)
- RETAINING WALL (7/CS-501)
- CHAIN LINK FENCE (1/CS-502)
- BACKSTOP NET (1/CS-502)
- POST AND CHAIN (2/CS-502)
- GUARDRAIL (3/CS-502, 4/CS-502)
- 6FT MASONRY DUMPSTER ENCLOSURE
- WOOD BENCH ON CONCRETE PAD WITH PLINTH (1/CS-506)
- FLAGPOLES (2/CS-506)
- ROADWAY LIGHT POLE (SEE ELECTRICAL)
- PARKING LOT LIGHT POLE (SEE ELECTRICAL)
- SPORTS FIELD LIGHT POLE (SEE ELECTRICAL)
- LIGHT POLE (SEE ELECTRICAL)
- REMOVABLE BOLLARDS, TYP. (3/CS-506)
- BOLLARDS, TYP. (4/CS-506)

CALL J.U.L.I.E. 1-800-892-0123
48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

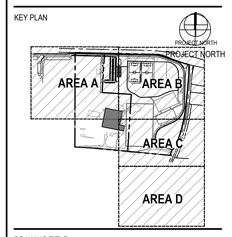
SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN



DRAWING TITLE
SPORTS WAY PLAN AND PROFILE

SCALE:

SCALE 14106

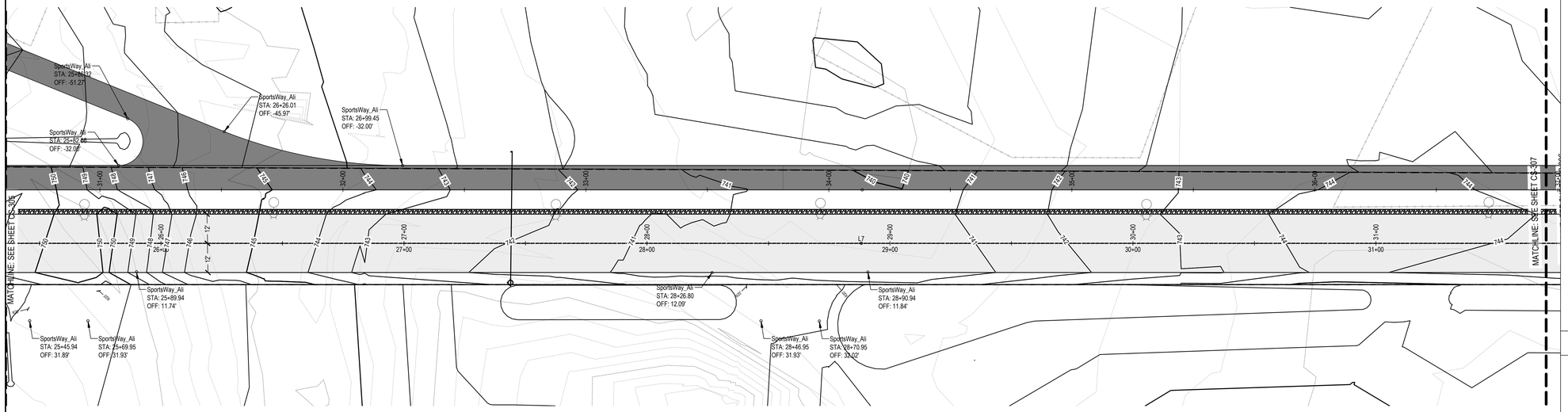
PROJECT NUMBER

DRAWING NUMBER CS-305

FILE: C:\Users\krzysztof.kr\Desktop\SmithGroup Companies Inc\PRJ - 14106 - SmithGroup - SmithGroup\CAD\05 Civil\14106-CS-300.dwg USER: krzysztof.kr DATE: Apr. 11, 2024 TIME: 10:04 pm

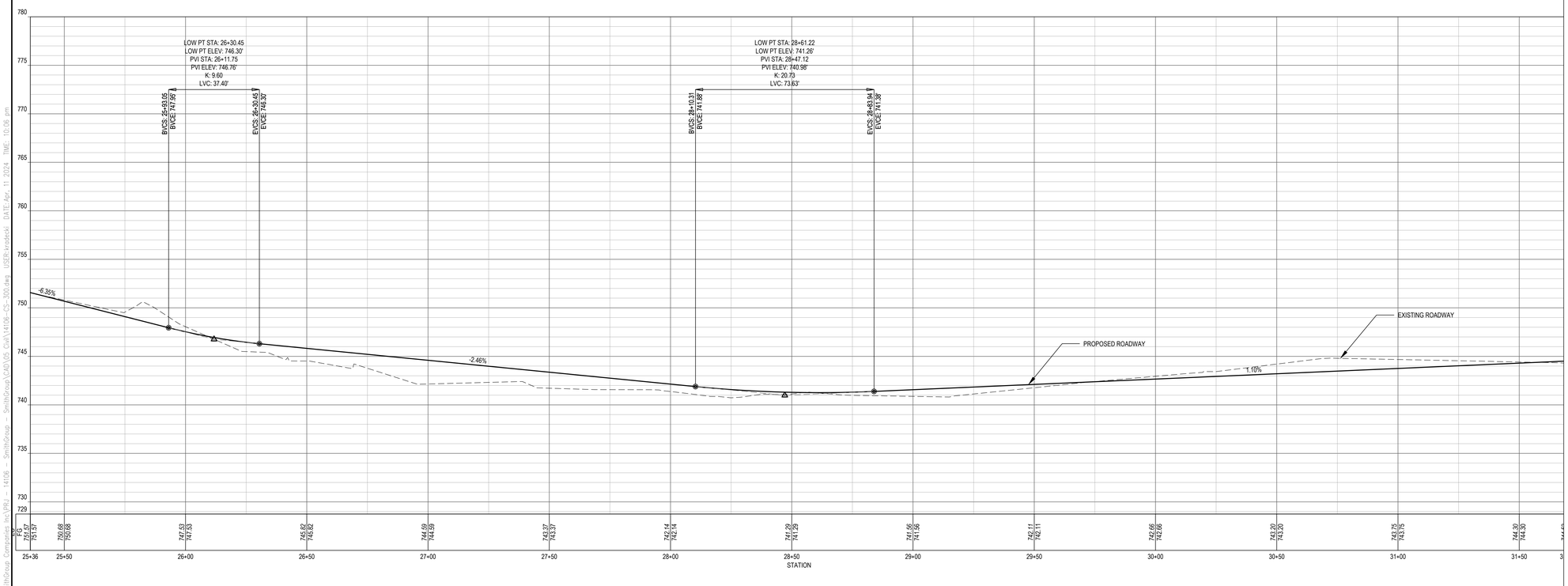
LINE DATA		
Line #	Length	Direction
L1	60.106	N86° 21' 52.91"E
L2	46.185	N75° 53' 38.95"E
L3	555.184	S88° 46' 03.23"E
L4	159.238	S84° 48' 23.34"E
L5	976.280	S88° 46' 03.23"E
L6	292.980	S71° 04' 55.34"E
L7	774.542	S01° 13' 08.93"W
L8	183.227	S65° 49' 26.73"W
L9	183.802	S01° 12' 25.55"W
L10	42.377	S00° 52' 06.46"E

CURVE DATA					
Curve #	Radius	Length	Chord Direction	Start Point	End Point
C1	177.899	33.093	N85° 43' 59.49"E	(995284.8342,1950643.7298)	(995317.7881,1950646.1884)
C2	582.000	173.482	S80° 13' 41.69"E	(997007.4826,1950598.8349)	(997177.8151,1950569.4998)
C3	162.000	204.427	S34° 55' 53.20"E	(997454.9693,1950474.5116)	(997564.4100,1950317.8155)
C4	362.000	408.180	S33° 31' 17.83"W	(997547.9304,1949543.4484)	(997334.2657,1949220.9007)
C5	262.000	295.478	S33° 30' 56.14"W	(997167.1092,1949145.8620)	(997012.4667,1948912.3608)
C6	865.443	31.351	S00° 10' 09.54"W	(997008.5947,1948728.6000)	(997008.5020,1948697.2509)



1 PLAN STA 25+36 TO STA 31+70

SCALE: 1" = 20'



2 PROFILE STA 25+36 TO STA 31+70

HORIZ SCALE: 1" = 20'
VERT SCALE: 1" = 5'

SHEET NOTES

1. PROFILE GRADE OF STREET IS SHOWN ALONG THE STATIONING LINE.

LEGEND

- PROPERTY LINE
- EASEMENT
- LIMIT OF CONSTRUCTION
- MEDIUM DUTY ASPHALT PAVMENT (1/CS-500)
- LIGHT DUTY ASPHALT PAVEMENT (2/CS-500)
- HEAVY DUTY INTEGRAL COLORED CONCRETE PAVEMENT (3/CS-500)
- HEAVY DUTY CONCRETE PAVEMENT (4/CS-500)
- CONCRETE PAVEMENT (5/CS-500)
- GRAVEL SHOULDER (6/CS-500)
- TURF (7/CS-500)
- ADA TACTILE WARNING
- CONTROL JOINT (7/CS-505)
- ISOLATION (EXPANSION) JOINT (8/CS-505)
- CONCRETE TURNDOWN (9/CS-505)
- STANDARD CURB AND GUTTER (10/CS-505)
- RETAINING WALL (11/CS-505)
- CHAIN LINK FENCE (12/CS-505)
- BACKSTOP NET (13/CS-505)
- POST AND CHAIN (14/CS-505)
- GUARDRAIL (15/CS-505) (16/CS-505)
- 6FT MASONRY DUMPSTER ENCLOSURE
- WOOD BENCH ON CONCRETE PAD WITH PLINTH (1/CS-506)
- FLAGPOLES (2/CS-506)
- ROADWAY LIGHT POLE (SEE ELECTRICAL)
- PARKING LOT LIGHT POLE (SEE ELECTRICAL)
- SPORTS FIELD LIGHT POLE (SEE ELECTRICAL)
- LIGHT POLE (SEE ELECTRICAL)
- REMOVABLE BOLLARDS, TYP. (3/CS-506)
- BOLLARDS, TYP. (4/CS-506)

CALL J.U.L.I.E. 1-800-892-0123
48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

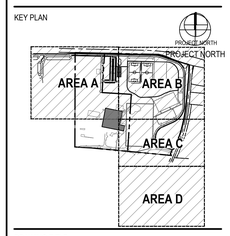
SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN



DRAWING TITLE
SPORTS WAY PLAN AND PROFILE

SCALE:

SCALE 14106

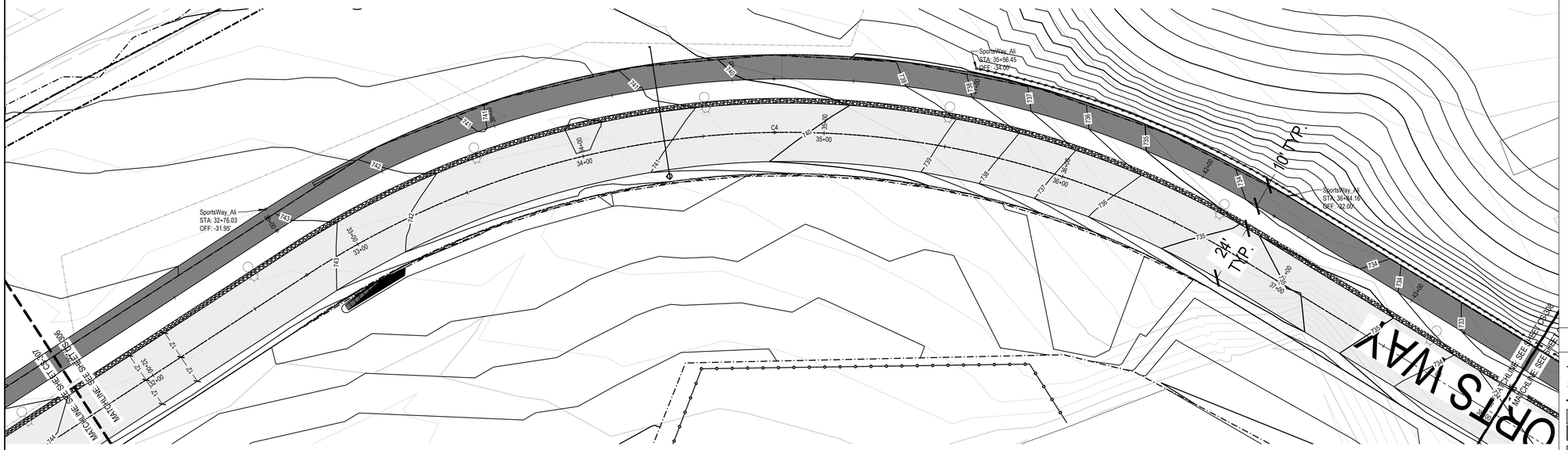
PROJECT NUMBER

DRAWING NUMBER CS-306

FILE: C:\Users\kroskopcki\SmithGroup Companies Inc\DRL - 14106 - SmithGroup - SmithGroup\CAD\05 Civil\14106-CS-300.dwg USER: kroskopcki DATE: Apr. 11, 2024 TIME: 10:06 pm

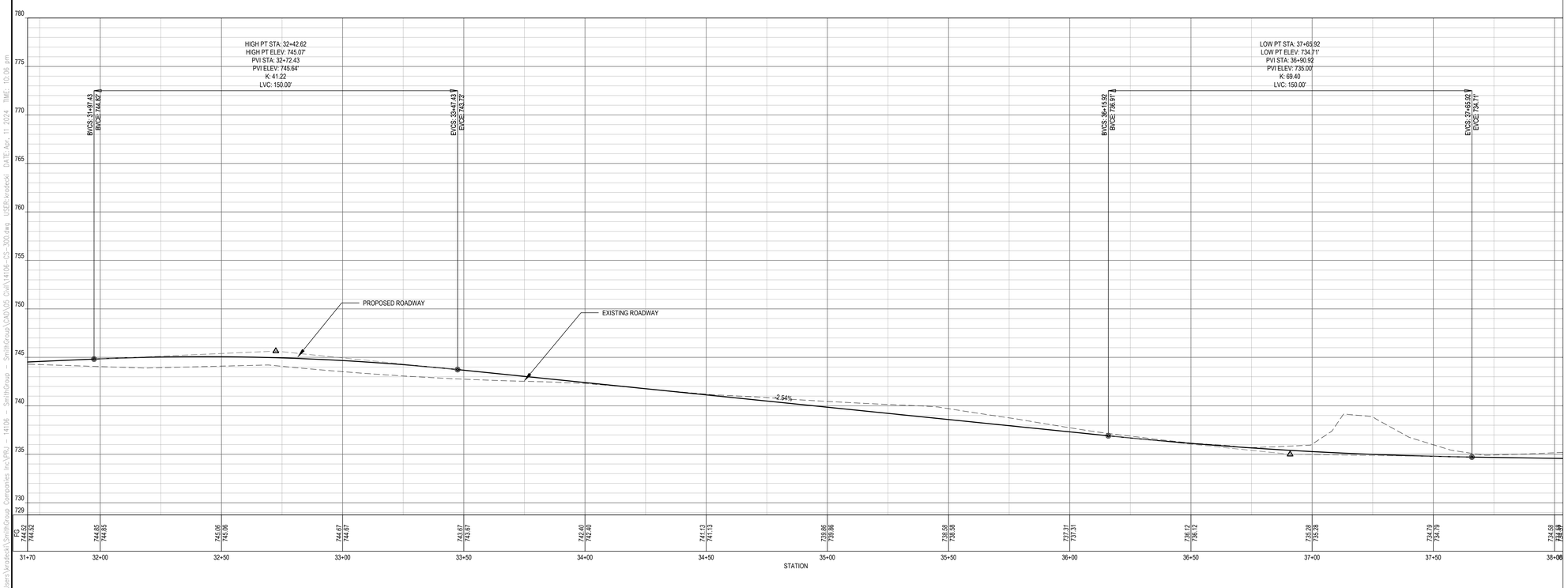
LINE DATA		
Line #	Length	Direction
L1	60.106	N86° 21' 52.91"E
L2	46.185	N75° 53' 38.95"E
L3	555.184	S88° 46' 03.23"E
L4	159.238	S84° 48' 23.34"E
L5	976.280	S88° 46' 03.23"E
L6	292.980	S71° 04' 55.34"E
L7	774.542	S01° 13' 08.93"W
L8	183.227	S65° 49' 26.73"W
L9	183.802	S01° 12' 25.55"W
L10	42.377	S00° 52' 06.46"E

CURVE DATA					
Curve #	Radius	Length	Chord Direction	Start Point	End Point
C1	177.899	33.093	N85° 43' 59.49"E	(995284.8342,1950643.7298)	(995317.7881,1950646.1884)
C2	582.000	173.482	S80° 13' 41.69"E	(997007.4826,1950598.8349)	(997177.8151,1950569.4998)
C3	162.000	204.427	S34° 55' 53.20"E	(997454.9693,1950474.5116)	(997564.4100,1950317.8155)
C4	362.000	408.180	S33° 31' 17.63"W	(997547.9304,1949543.4484)	(997334.2657,1949220.9007)
C5	262.000	295.478	S33° 30' 56.14"W	(997167.1092,1949145.8620)	(997012.4667,1948912.3608)
C6	865.443	31.351	S00° 10' 09.54"W	(997008.5947,1948728.6000)	(997008.5020,1948697.2509)



1 PLAN STA 31+70 TO STA 38+04

SCALE: 1" = 20'



2 PROFILE STA 31+70 TO STA 38+04

HORIZ SCALE: 1" = 20'
VERT SCALE: 1" = 5'

SHEET NOTES

1. PROFILE GRADE OF STREET IS SHOWN ALONG THE STATIONING LINE.

LEGEND

- PROPERTY LINE
- EASEMENT
- LIMIT OF CONSTRUCTION
- MEDIUM DUTY ASPHALT PAVMENT (1/CS-500)
- LIGHT DUTY ASPHALT PAVEMENT (1/CS-500)
- HEAVY DUTY INTEGRAL COLORED CONCRETE PAVEMENT (1/CS-500)
- HEAVY DUTY CONCRETE PAVEMENT (1/CS-500)
- CONCRETE PAVEMENT (1/CS-500)
- GRAVEL SHOULDER (1/CS-500)
- TURF (1/CS-500)
- ADA TACTILE WARNING
- CONTROL JOINT (1/CS-500)
- ISOLATION (EXPANSION) JOINT (1/CS-500)
- CONCRETE TURNDOWN (1/CS-500)
- STANDARD CURB AND GUTTER (1/CS-500)
- RETAINING WALL (1/CS-500)
- CHAIN LINK FENCE (1/CS-500)
- BACKSTOP NET (1/CS-500)
- POST AND CHAIN (1/CS-500)
- GUARDRAIL (1/CS-500) (1/CS-500)
- 6FT MASONRY DUMPSTER ENCLOSURE
- WOOD BENCH ON CONCRETE PAD WITH PLINTH (1/CS-500)
- FLAGPOLES (1/CS-500)
- ROADWAY LIGHT POLE (SEE ELECTRICAL)
- PARKING LOT LIGHT POLE (SEE ELECTRICAL)
- SPORTS FIELD LIGHT POLE (SEE ELECTRICAL)
- LIGHT POLE (SEE ELECTRICAL)
- REMOVABLE BOLLARDS, TYP. (1/CS-500)
- BOLLARDS, TYP. (1/CS-500)

CALL J.U.L.I.E. 1-800-892-0123
48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

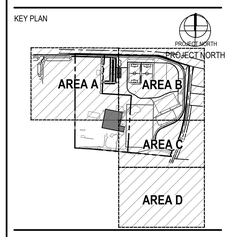
SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN



DRAWING TITLE
SPORTS WAY PLAN AND PROFILE

SCALE:

SCALE 14106

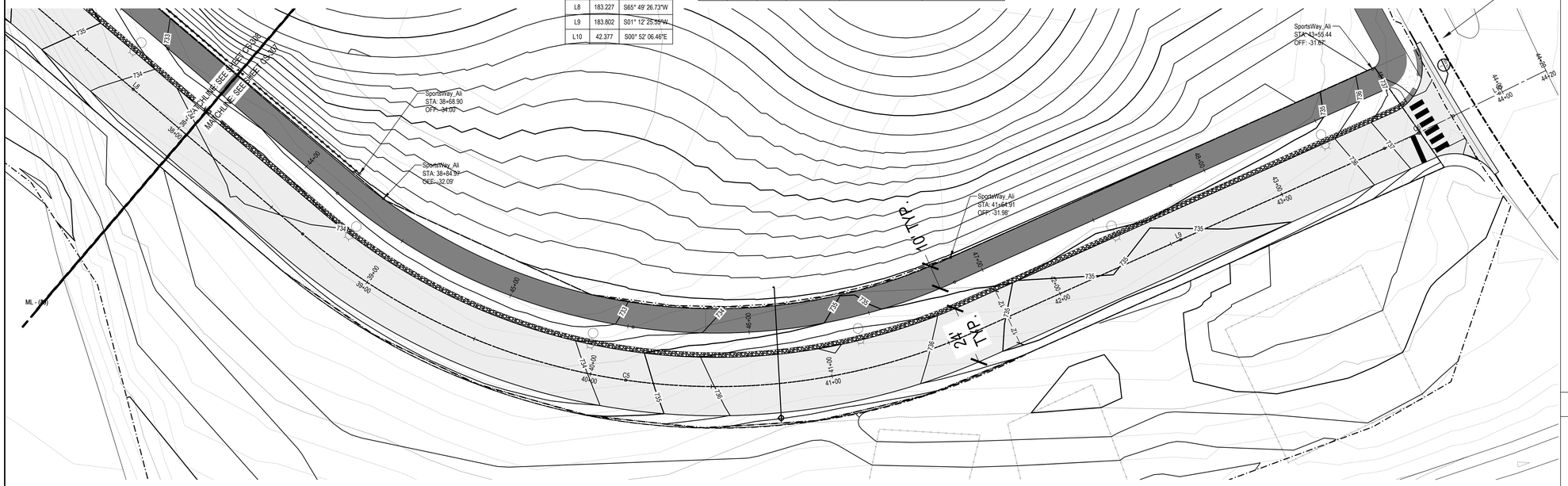
PROJECT NUMBER

DRAWING NUMBER CS-307

FILE: C:\Users\kprodzeg3\SmithGroup Companies Inc\PBJ - 14106 - SmithGroup - SmithGroup\CAD\05. Civil\14106-CS-300.dwg USER: kprodzeg3 DATE: Apr. 11, 2024 TIME: 10:06 pm

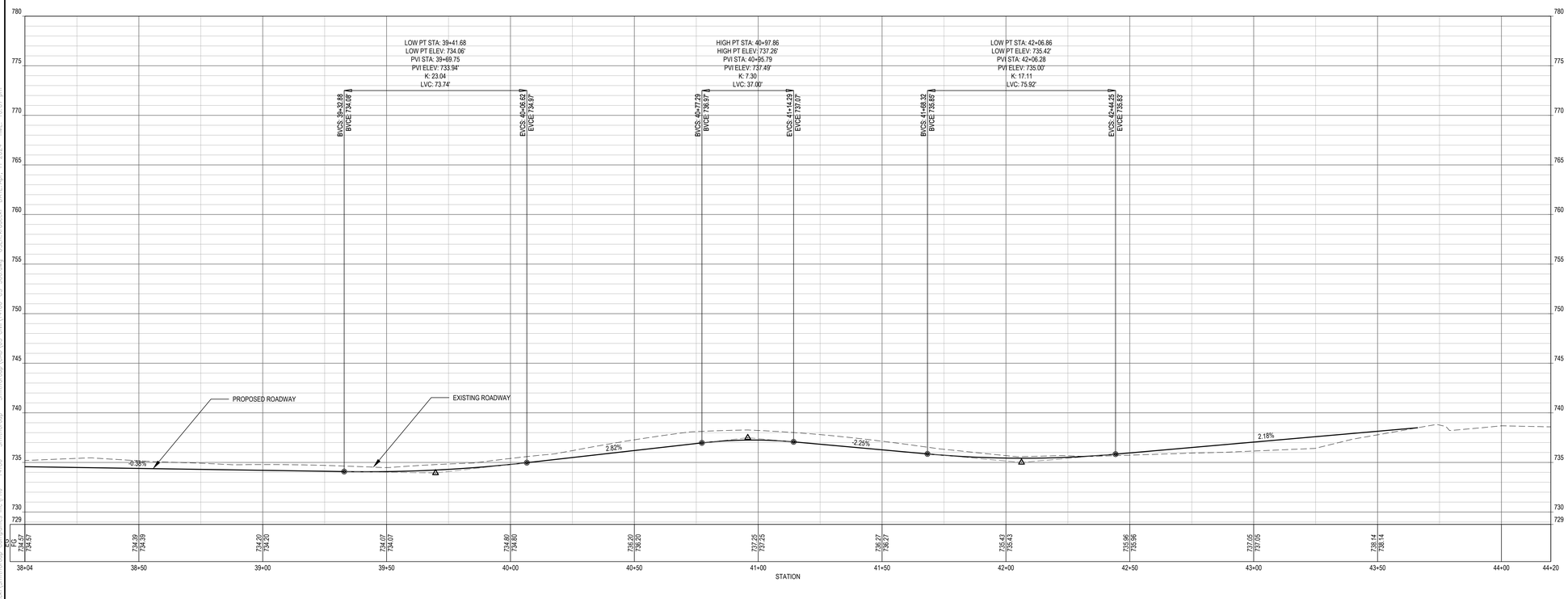
LINE DATA		
Line #	Length	Direction
L1	60.106	N86° 21' 52.91"E
L2	46.185	N75° 53' 38.95"E
L3	555.184	S88° 46' 03.23"E
L4	159.238	S84° 48' 23.34"E
L5	976.280	S88° 46' 03.23"E
L6	292.980	S71° 04' 55.34"E
L7	774.542	S01° 13' 08.93"W
L8	183.227	S65° 49' 26.73"W
L9	183.802	S01° 12' 25.55"W
L10	42.377	S00° 52' 06.46"E

CURVE DATA					
Curve #	Radius	Length	Chord Direction	Start Point	End Point
C1	177.899	33.093	N85° 43' 59.49"E	(995284.8342,1950643.7298)	(995317.7881,1950646.1884)
C2	582.000	173.482	S80° 13' 41.69"E	(997007.4826,1950598.8349)	(997177.8151,1950569.4998)
C3	162.000	204.427	S34° 55' 53.20"E	(997454.9693,1950474.5116)	(997564.4100,1950317.8155)
C4	362.000	408.180	S33° 31' 17.83"W	(997547.9304,1949543.4484)	(997334.2657,1949220.9007)
C5	262.000	295.478	S33° 30' 56.14"W	(997167.1092,1949145.8620)	(997012.4667,1948912.3608)
C6	865.443	31.351	S00° 10' 09.54"W	(997008.5947,1948728.6000)	(997008.5020,1948697.2509)



1 PLAN STA 38+04 TO STA 43+77

SCALE: 1" = 20'



2 PROFILE STA 38+04 TO STA 43+77

HORIZ SCALE: 1" = 20'
VERT SCALE: 1" = 5'

SHEET NOTES

1. PROFILE GRADE OF STREET IS SHOWN ALONG THE STATIONING LINE.

LEGEND

- PROPERTY LINE
- EASEMENT
- LIMIT OF CONSTRUCTION
- MEDIUM DUTY ASPHALT PAVMENT (1/C-500)
- LIGHT DUTY ASPHALT PAVEMENT (2/C-500)
- HEAVY DUTY INTEGRAL COLORED CONCRETE PAVEMENT (3/C-500)
- HEAVY DUTY CONCRETE PAVEMENT (4/C-500)
- CONCRETE PAVEMENT (5/C-500)
- GRAVEL SHOULDER (6/C-500)
- TURF (7/C-500)
- ADA TACTILE WARNING
- CONTROL JOINT (2/C-501)
- ISOLATION (EXPANSION) JOINT (3/C-501)
- CONCRETE TURNDOWN (3/C-501)
- STANDARD CURB AND GUTTER (1/C-501)
- RETAINING WALL (7/C-501)
- CHAIN LINK FENCE (1/C-504)
- BACKSTOP NET (1/C-504)
- POST AND CHAIN (1/C-504)
- GUARDRAIL (1/C-504, 2/C-504)
- 6FT MASONRY DUMPSTER ENCLOSURE
- WOOD BENCH ON CONCRETE PAD WITH PLINTH (1/C-506)
- FLAGPOLES (2/C-506)
- ROADWAY LIGHT POLE (SEE ELECTRICAL)
- PARKING LOT LIGHT POLE (SEE ELECTRICAL)
- SPORTS FIELD LIGHT POLE (SEE ELECTRICAL)
- LIGHT POLE (SEE ELECTRICAL)
- REMOVABLE BOLLARDS, TYP. (3/C-506)
- BOLLARDS, TYP. (4/C-506)

CALL J.U.L.I.E. 1-800-892-0123
48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

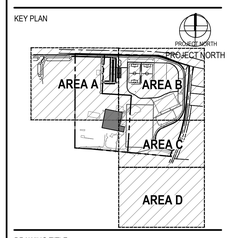
SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN



DRAWING TITLE
SPORTS WAY PLAN AND PROFILE

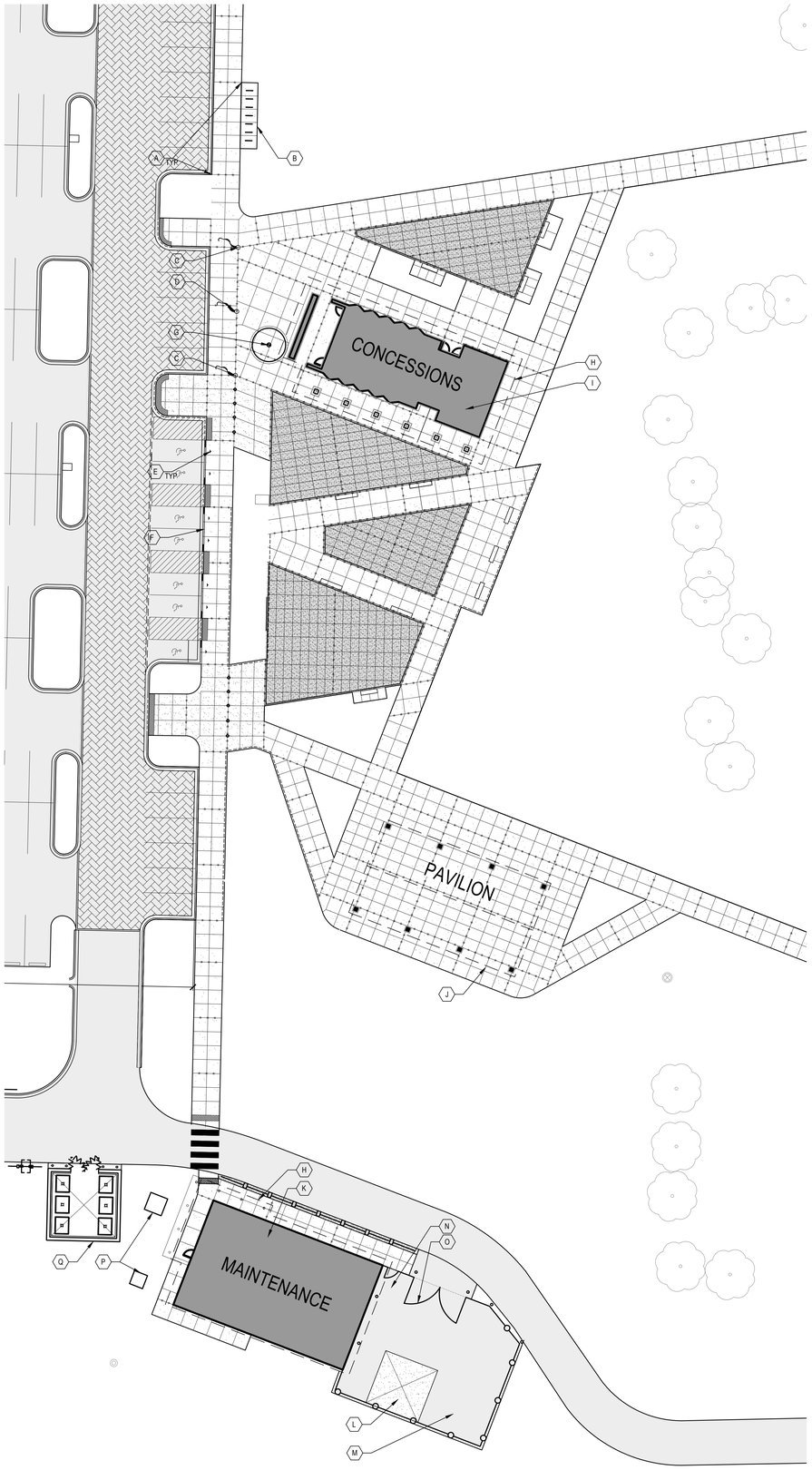
SCALE:

SCALE 14106

PROJECT NUMBER CS-308

DRAWING NUMBER

FILE: C:\Users\kroshock\SmithGroup Companies Inc\PRJ - 14106 - SmithGroup - SmithGroup\CAD\05 Civil\14106-CS-300.dwg USER: kroshock DATE: Apr. 11, 2024 TIME: 10:07 pm



CONCESSIONS PLAZA ENLARGEMENT

SCALE: 1"=20'-0"

SHEET NOTES

1. SEE SHEET CS-100 FOR LAYOUT AND MATERIALS NOTES.

KEYED NOTES

- A ALIGN JOINT, TYP
- B BIKE RACKS (1/CS-506)
- C FLAGPOLE - 25' HEIGHT (2/CS-507)
- D FLAGPOLE - 35' HEIGHT (1/CS-507)
- E ADA PARKING SIGNS (1/CS-507)
- F ADA BARRIER CURB (1/CS-506)
- G RAINWATER COLLECTION CISTERN FOR IRRIGATION
- H BUILDING ROOF OVERHEAD
- I PROPOSED CONCESSIONS BUILDING, SEE ARCHITECTURAL SHEETS
- J PROPOSED SHELTER PAVILLION (5/CS-507)
- K PROPOSED MAINTENANCE BUILDING, SEE ARCHITECTURAL SHEETS
- L WASH DOWN AREA WITH HEAVY DUTY CONCRETE PAVEMENT (5/CS-502)
- M PROPOSED MAINTENANCE YARD
- N SINGLE LEAF 4 FOOT PEDESTRIAN GATE WITH PANIC EXIT (1/CS-508)
- O DOUBLE SWING GATE WITH 10 FOOT LEAFS (VEHICULAR) (1/CS-508)
- P TRANSFORMER, SEE ELECTRICAL PLANS
- Q TRASH ENCLOSURE, SEE SITE DETAILS SHEET CS-508

LEGEND

- PROPERTY LINE
- EASEMENT
- LIMIT OF CONSTRUCTION
- MEDIUM DUTY ASPHALT PAVMENT (1/CS-502)
- LIGHT DUTY ASPHALT PAVEMENT (2/CS-502)
- HEAVY DUTY INTEGRAL COLORED CONCRETE PAVEMENT (3/CS-502)
- HEAVY DUTY CONCRETE PAVEMENT (4/CS-502)
- CONCRETE PAVEMENT (5/CS-502)
- GRAVEL SHOULDER (6/CS-502)
- TURF (1/CS-503)
- ADA TACTILE WARNING
- CONTROL JOINT (7/CS-502)
- ISOLATION (EXPANSION) JOINT (8/CS-502)
- CONCRETE TURNDOWN (9/CS-502)
- STANDARD CURB AND GUTTER (10/CS-502)
- RETAINING WALL (11/CS-502)
- CHAIN LINK FENCE (1/CS-504)
- BACKSTOP NET (2/CS-504)
- POST AND CHAIN (3/CS-504)
- GUARDRAIL (4/CS-504) (5/CS-504)
- 6FT MASONRY DUMPSTER ENCLOSURE
- WOOD BENCH ON CONCRETE PAD WITH PLINTH (1/CS-506)
- FLAGPOLES (1/CS-507)
- ROADWAY LIGHT POLE (SEE ELECTRICAL)
- PARKING LOT LIGHT POLE (SEE ELECTRICAL)
- SPORTS FIELD LIGHT POLE (SEE ELECTRICAL)
- LIGHT POLE (SEE ELECTRICAL)
- REMOVABLE BOLLARDS, TYP. (3/CS-506)
- BOLLARDS, TYP. (4/CS-506)

CALL J.U.L.I.E. 1-800-892-0123
48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

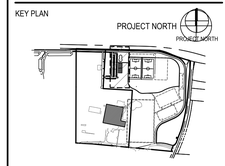
SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN



DRAWING TITLE
PLAZA ENLARGEMENT

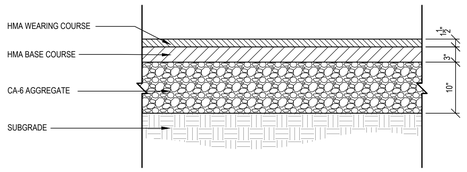
SCALE: AS NOTED

SCALE

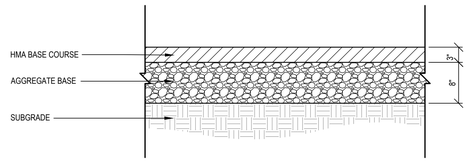
PROJECT NUMBER 14106

DRAWING NUMBER CS-401

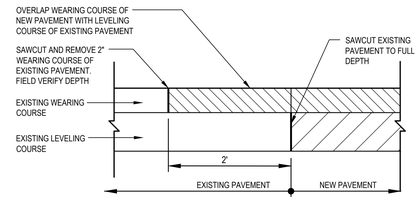
FILE: C:\Users\kwolecki\SmithGroup Companies Inc\PRJ - 14106 - SmithGroup - SmithGroup\CAD\05 Civil\14106-CS-400.dwg USER: kwolecki DATE: Apr 11 2024 TIME: 10:08 am



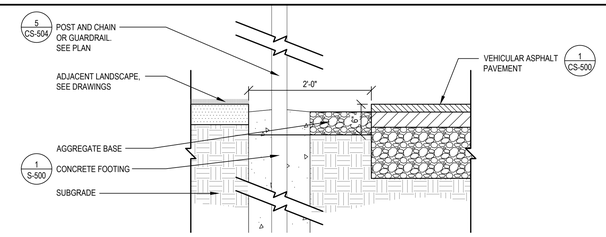
1 MEDIUM DUTY ASPHALT PAVEMENT
SCALE: 1" = 1'



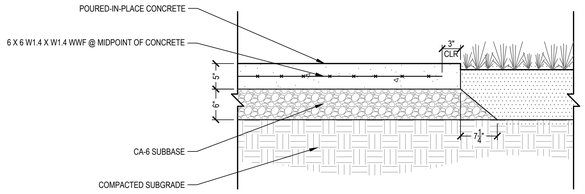
2 LIGHT DUTY ASPHALT PAVEMENT
SCALE: 1" = 1'



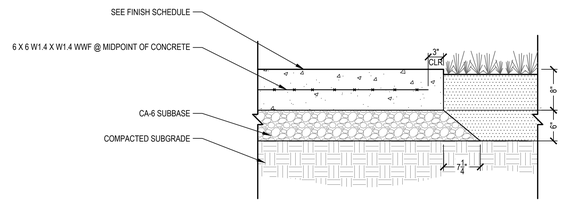
3 BUTT JOINT
SCALE: 1" = 1'



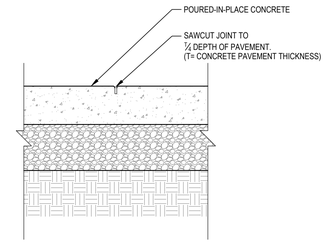
4 GRAVEL SHOULDER
SCALE: 1" = 1'-0"



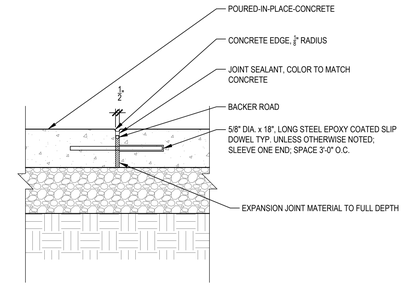
5 CONCRETE PAVEMENT
SCALE: 1" = 1'



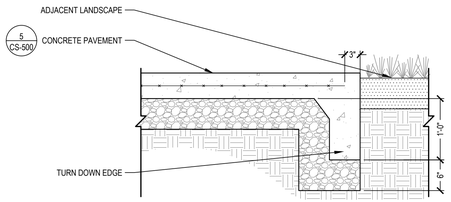
6 HEAVY DUTY CONCRETE PAVEMENT
SCALE: 1" = 1'



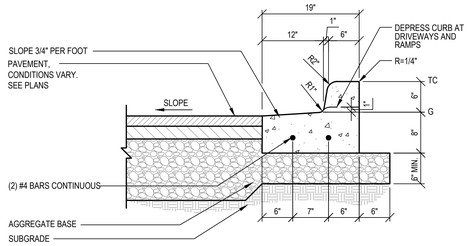
7 CONTROL JOINT
SCALE: JJR 1-1/2" = 1'-0"_XREF



8 EXPANSION JOINT
SCALE: JJR 1-1/2" = 1'-0"_XREF

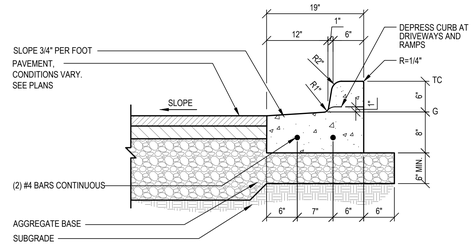


9 CONCRETE PAVEMENT TURN DOWN
SCALE: 1" = 1'



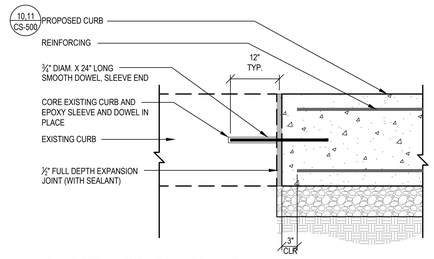
NOTES:
1. ALL CURBS SHOULD BE IN ACCORDANCE WITH CITY OF ELGIN GENERAL NOTES.
2. ALL CURBS SHALL BE STAMPED WITH A "W" OR "S" TO IDENTIFY LOCATION OF UNDERGROUND UTILITY LINES.

10 CURB AND GUTTER
SCALE: 1" = 1'

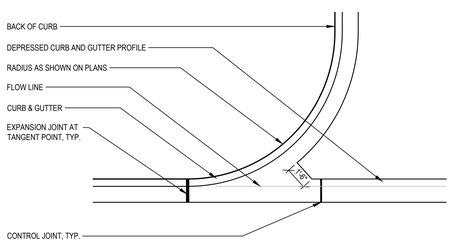


NOTES:
1. ALL CURBS SHOULD BE IN ACCORDANCE WITH CITY OF ELGIN GENERAL NOTES.
2. ALL CURBS SHALL BE STAMPED WITH A "W" OR "S" TO IDENTIFY LOCATION OF UNDERGROUND UTILITY LINES.

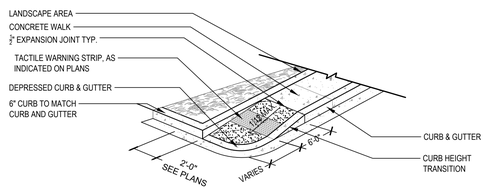
11 CONCRETE CURB WITH REVERSE PITCH GUTTER
SCALE: 1" = 1'



12 EXISTING AND NEW CURB JOINT
SCALE: 1" = 1'

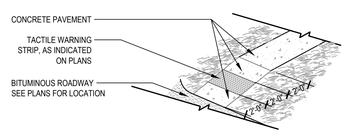


13 CURB TRANSITION
SCALE: 1" = 50'

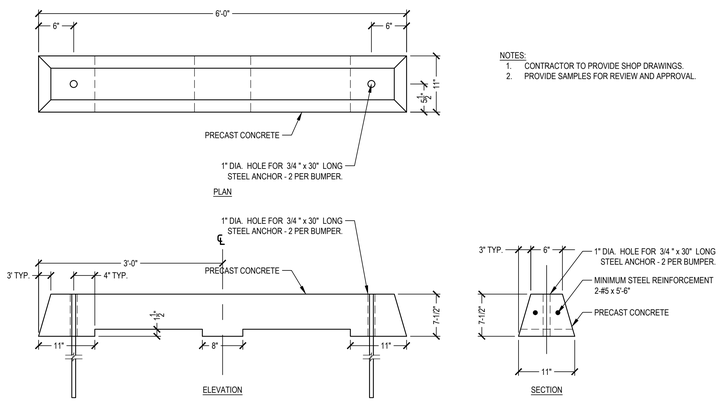


NOTES:
1. TRUNCATED DOME PATTERN MUST MEET ALL ADA REQUIREMENTS FOR DETECTABLE WARNING SYSTEMS.
2. INSTALL EXPANSION JOINTS WHERE NEW CONCRETE PAVEMENT AND CURBS ABUT EXISTING CONCRETE PAVEMENT AND CURBS.

14 CURB RAMP - TYPE A
SCALE: 1" = 5'

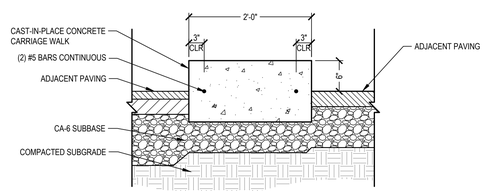


15 CURB RAMP - TYPE B
SCALE: 1" = 5'

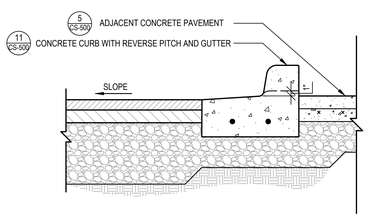


NOTES:
1. CONTRACTOR TO PROVIDE SHOP DRAWINGS.
2. PROVIDE SAMPLES FOR REVIEW AND APPROVAL.

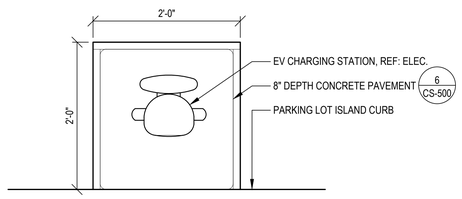
16 WHEEL STOP
SCALE: 1" = 1'



17 BICYCLE CURB BARRIER
SCALE: 1"=1'



18 ADA BARRIER CURB
SCALE: 1"=1'



NOTES:
INSTALL CHARGEPOINT CHARGING STATION ON CONCRETE PAD USING CHARGEPOINT APPROVED METHOD AND CHARGEPOINT MOUNTING TEMPLATE.

19 EV CHARGING STATION PEDESTAL
SCALE: 1"=10'

CALL J.U.L.I.E. 1-800-892-0123
48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN

DRAWING TITLE
SITE DETAILS - HARDSCAPE

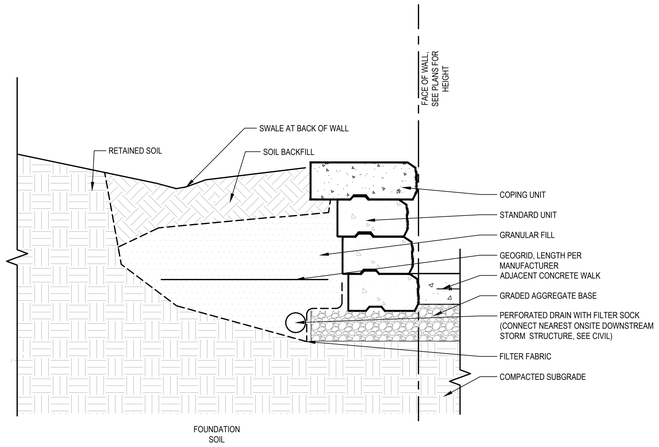
0' 10' 20' 40'
SCALE:

SCALE

PROJECT NUMBER 14106

DRAWING NUMBER CS-500

FILE: C:\Users\kzodrzejk\SmithGroup Companies Inc\PRJ - 14106 - SmithGroup - SmithGroup\CAD\05 Civil\14106-CS-500.dwg USER: kzodrzejk DATE: Apr. 11, 2024 TIME: 10:09 pm

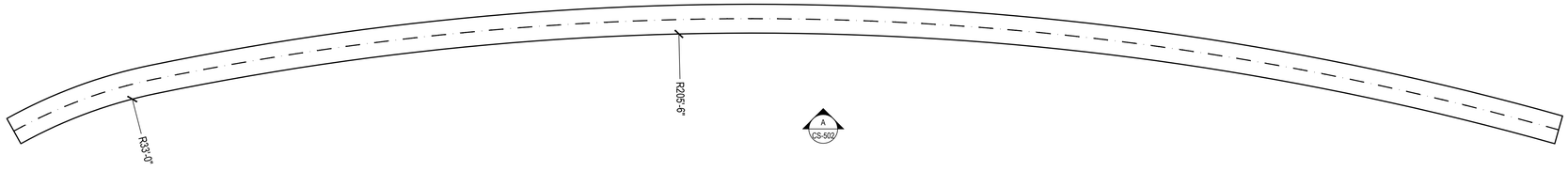


NOTES:

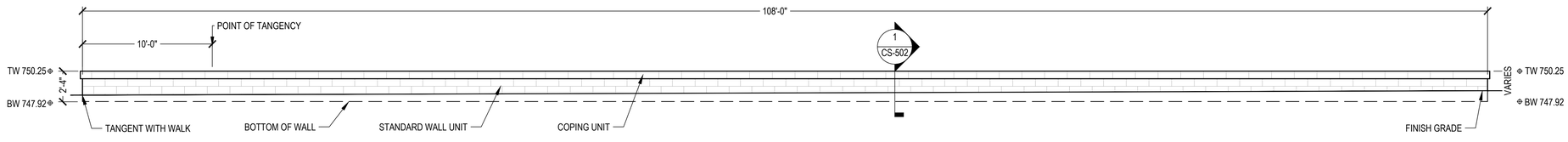
1. UNIT BLOCK BASIS OF DESIGN PRODUCT: SHALL BE SIENASTONE, AS MANUFACTURED BY UNILOCK, OR APPROVED EQUAL. COLOR: NEVADA.
2. SUBMIT SHOP DRAWINGS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER DETAILING UNITS, EMBEDMENT, GEOGRID REINFORCEMENT, IN ACCORDANCE WITH LOCAL CODES.
3. AT ENDS OF WALLS INSTALL CLOSED END COPINGS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING REQUIRED PERMITS FOR THE SEGMENTAL RETAINING WALL, INCLUDING ASSOCIATED PERMITTING FEES

1 RETAINING WALL WITH GUARDRAIL

SCALE: 1" = 2'-0"



PLAN VIEW



2 RETAINING WALL WITH GUARDRAIL

SCALE: 3/16" = 1-0"

CALL J.U.L.I.E. 1-800-892-0123 48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN

DRAWING TITLE
SITE DETAILS - WALLS

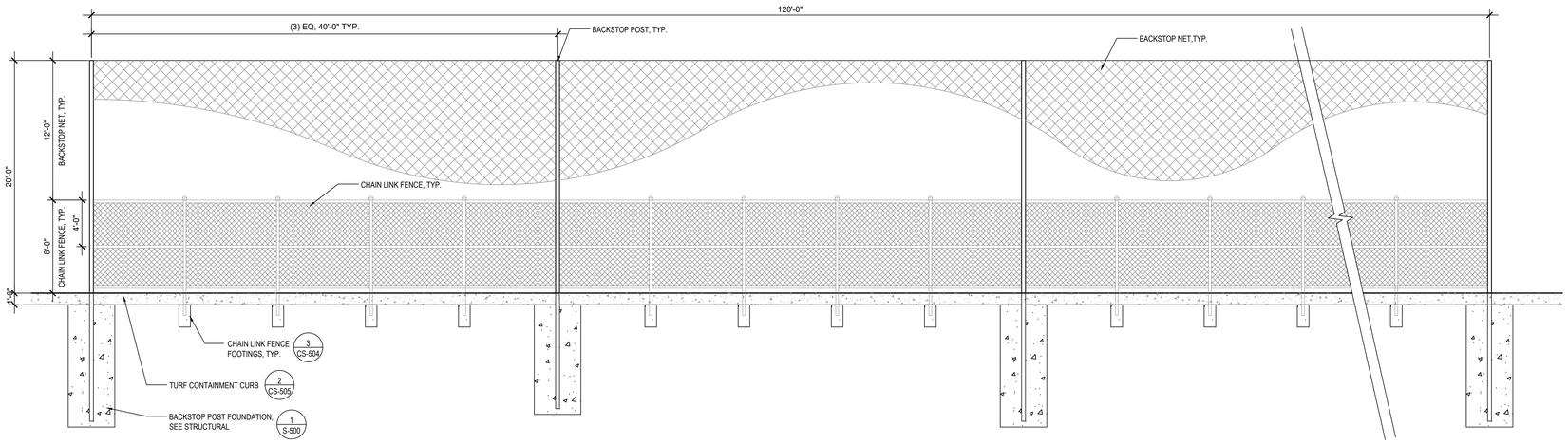
SCALE:

SCALE

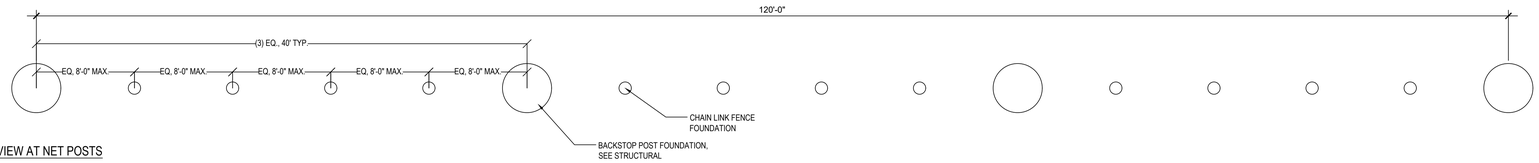
PROJECT NUMBER 14106

DRAWING NUMBER CS-502

FILE: C:\Users\kwodecki\SmithGroup Companies Inc\PRJ - 14106 - SmithGroup - SmithGroup\CAD\05 Civil\14106-CS-500.dwg USER: kwodecki DATE: Apr 11, 2024 TIME: 10:09 am



ELEVATION - NORTH SIDE FENCE



PLAN VIEW AT NET POSTS

1 BACKSTOP

SCALE: 1"=60'-0"

CALL J.U.L.I.E. 1-800-892-0123 48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN

DRAWING TITLE
SITE DETAILS - NETTING

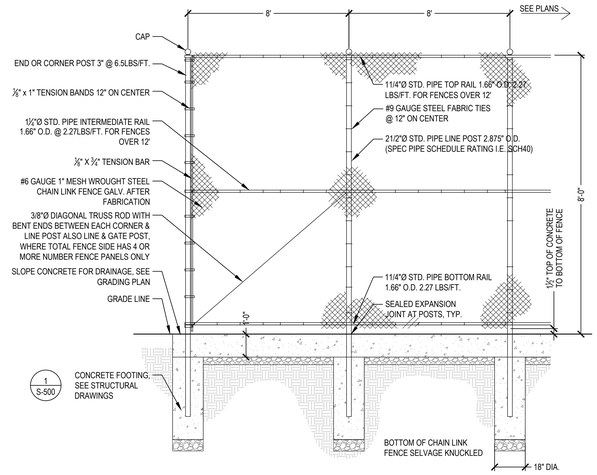
0 10' 20' 40'
SCALE:

SCALE

PROJECT NUMBER 14106

DRAWING NUMBER CS-503

FILE:C:\Users\kwodecki\SmithGroup Companies Inc\PRJ - 14106 - SmithGroup - SmithGroup\CAD\05 Civil\14106-CS-500.dwg USER:kwodecki DATE:Apr 11,2024 TIME:10:09 am

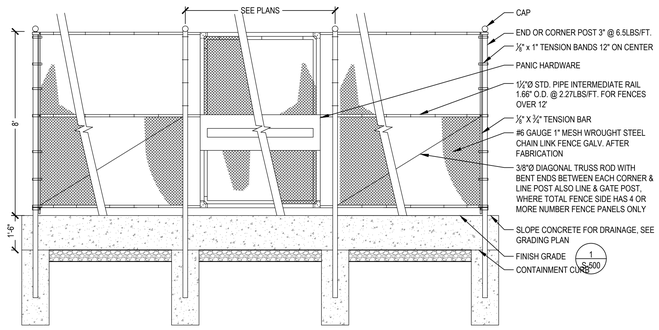


NOTES:

1. THE CENTER LINE OF LINE POSTS IS THE CENTER LINE OF THE FENCE.
2. THE BOTTOM RAIL SHALL BE 1½"Ø STD. PIPE (1.66" O.D. @ 2.27LBS/FT.) WITH #9 GAUGE STEEL FABRIC TIES @ 12" ON CENTER.
3. ALL FENCE CAPS SHALL BE SPOTWELDED.
4. ALL PIPE TO BE WROUGHT STEEL HOT DIP GALVANIZED. SIZE AS SHOWN ON DETAILS OF THIS SHEET.
5. REQUIRED MAXIMUM INTERMEDIATE PULL POST SPACING IS AS FOLLOWS: FOR 6'-0" HIGH FENCE SPACING 150'-0"
6. PULL POST SHALL BE THE SAME SIZE AS CORNER POST, INSTALLED WITH ADJACENT PANELS. COMPLETE WITH TENSION BARS, INTERMEDIATE RAILS AND TRUSS ROD TO BE USED FOR 12'-0" HT. FENCES ONLY. TOP RAIL COUPLINGS SHALL BE WROUGHT STEEL GALVANIZED OUTSIDE SLEEVE TYPE. 7" LONG SPACED @ 20'-0" ON CENTER. ONE COUPLING IN EVERY FIVE TO BE OF A TYPE TO TAKE UP EXPANSION AND CONTRACTION OF TOP RAIL.
7. ALL FITTINGS TO BE EQUIPPED WITH NUTS AND BOLTS AS REQUIRED FOR ERECTION, (ALL GALV.) CLAMPS AND CAPS TO BE MALLEABLE IRON, GALVANIZED. BANDS TO BE WROUGHT STEEL GALVANIZED. LOCKING DEVICE TO BE ADAPTABLE FOR PADLOCKING. CARRIAGE BOLTS AND NUTS TO BE ⅜"Ø GALV. STEEL OF PROPER LENGTH.
8. POST FOOTINGS TO BE OF CLASS SPECIFIED.
9. THE TOP PORTION OF THE FOOTING SHALL BE FORMED FOR A MINIMUM OF 9" WHEN DIRECTED BY THE ENGINEER.
10. ALL FENCE GROUNDING SHALL MEET THE REQUIREMENTS OF THE NEC. MUNICIPAL CODE OF _____ (MUNICIPALITY).

1 CHAIN LINK FENCE

SCALE: 3/8"=1'-0"



NOTES:

1. SHOP DRAWINGS TO BE PROVIDED FOR ALL FENCING AND GATES.
2. ALL CHAIN LINK FENCE FABRIC, POSTS, CAPS, RAILS, TIES, CLAMPS, ETC. SHALL HAVE (POLYVINYL CHLORIDE) PVC COATING, FUSED AND BONDED. BLACK COLOR (FOR ALL FENCE AND GATES).

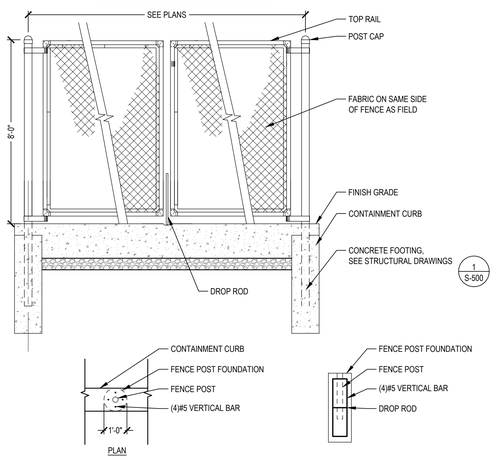
PANIC HARDWARE:

1. ALL PANIC HARDWARE TO COMPLY WITH APPLICABLE FIRE / LIFE SAFETY CODES. ALL HARDWARE TO COMPLY WITH APPLICABLE BUILDING AND ACCESSIBILITY CODES.
2. PLACE ON PANIC GATES ONLY.
3. SURFACE MOUNT EXIT BAR.
4. MOUNTING PLATE.
5. ADJUSTABLE RECEIVER BRACKET.
6. STAINLESS STEEL SCREWS AND FASTENERS.
7. COLOR: BLACK.

2 PANIC GATES

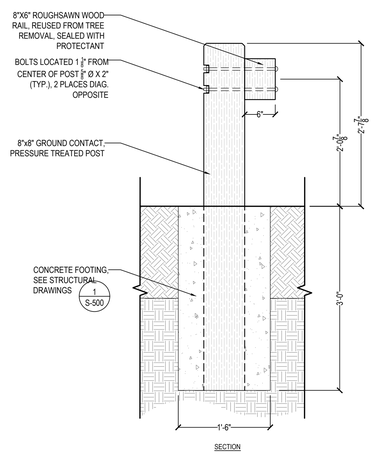
SCALE: 3/8" - 1'-0"

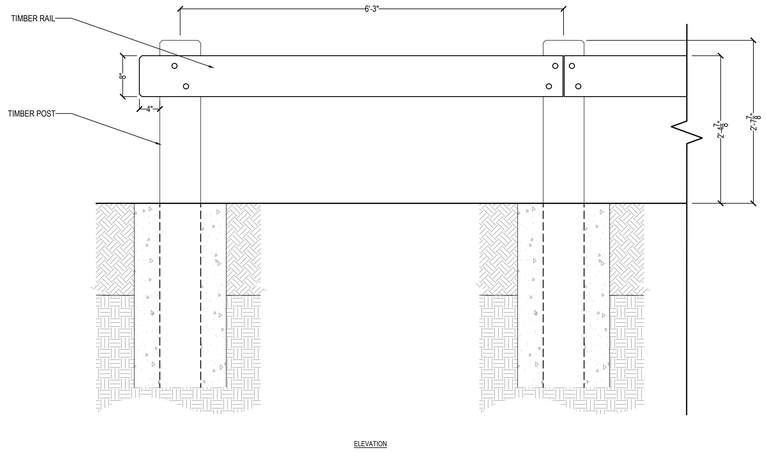
GATES		
DESC.	HEIGHT	WIDTH
VEHICULAR GATE	8'-0"	10'-0"
PEDESTRIAN GATES	8'-0"	4'-0"
PANIC GATES	8'-0"	4'-0"



3 CHAIN LINK FENCE GATES

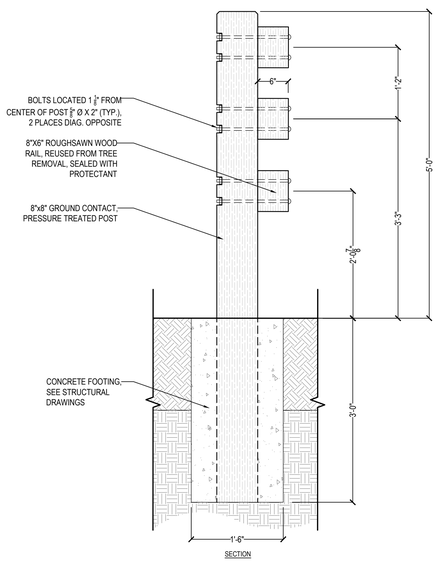
SCALE: 3/8"=1'-0"

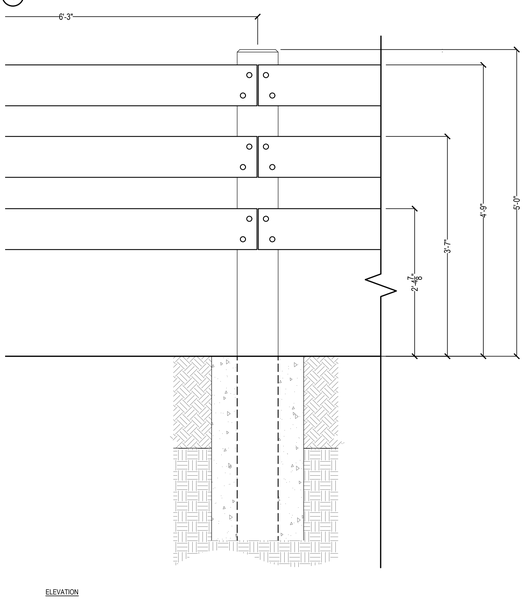




4 VEHICULAR GUARDRAIL

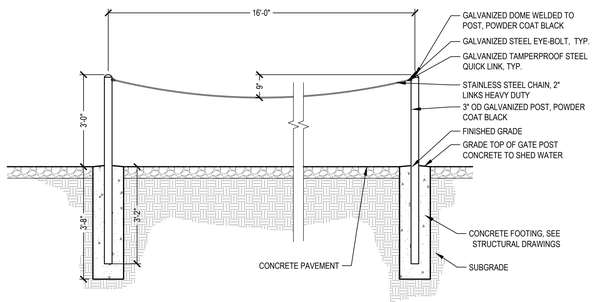
SCALE: 1"=1'-0"





6 BICYCLE GUARDRAIL

SCALE: 1"=1'-0"



5 POST AND CHAIN ACCESS

SCALE: 1/2"=1'-0"

CALL J.U.L.I.E. 1-800-892-0123 48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

SMITHGROUP

35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS

314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN

DRAWING TITLE
SITE DETAILS - FENCE

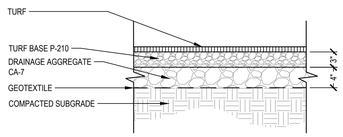
SCALE:

SCALE

PROJECT NUMBER 14106

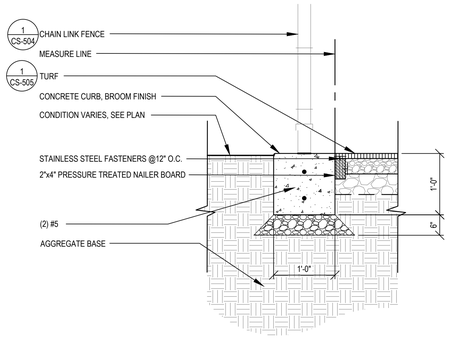
DRAWING NUMBER CS-504

FI:\F-C:\Users\kroeberg1\SmithGroup Companies Inc\PRJ - 14106 - SmithGroup - SmithGroup\CAD\05 Civil\14106-CS-500.dwg USER: kroeberg1 DATE: Apr 11 2024 TIME: 10:09 pm



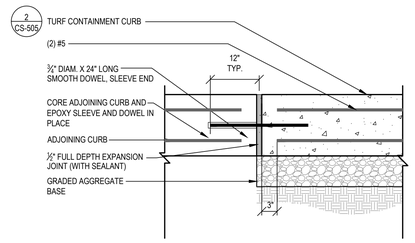
1 SYNTHETIC TURF

SCALE: 1"=1'-0"



2 TURF CONTAINMENT CURB

SCALE: 1"=1'-0"

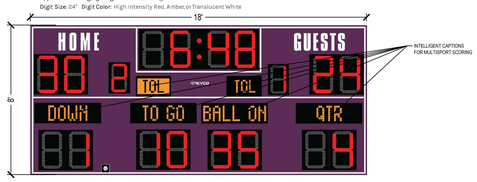


3 TURF CONTAINMENT CURB EXPANSION JOINT

SCALE: 1"=1'-0"

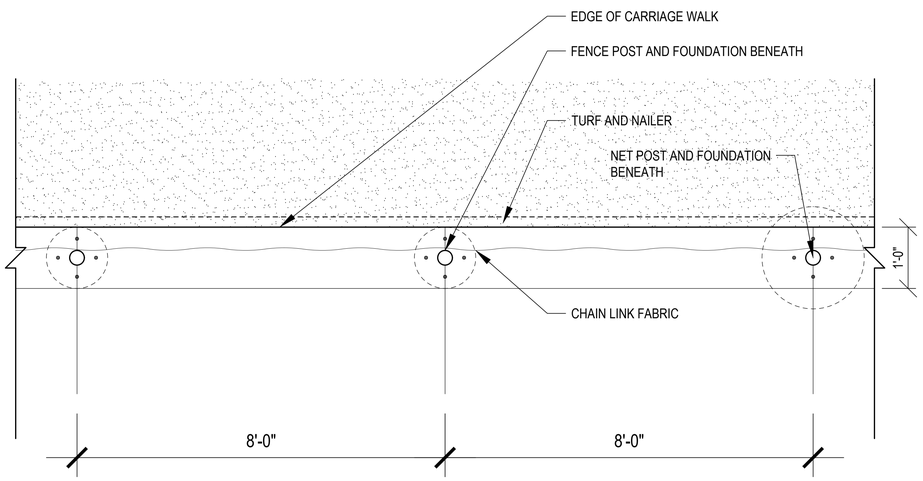
OUTDOOR MULTI-SPORT SCOREBOARDS

Size: 18' x 8' x 8" (5.49 x 2.44 x .20 meters)
Approximate hanging weight:535 lbs. (243 kg)
Digit Size: 24" **Digit Color:** High Intensity Red, Amber, or Translucent White



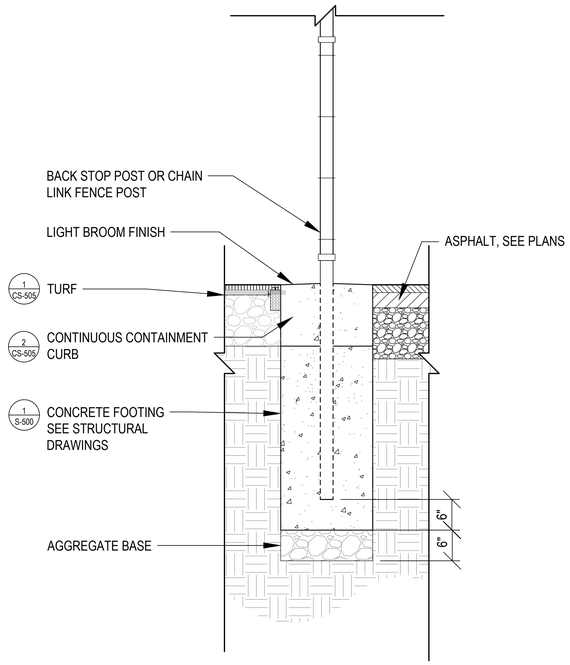
4 SCOREBOARD

SCALE: NTS



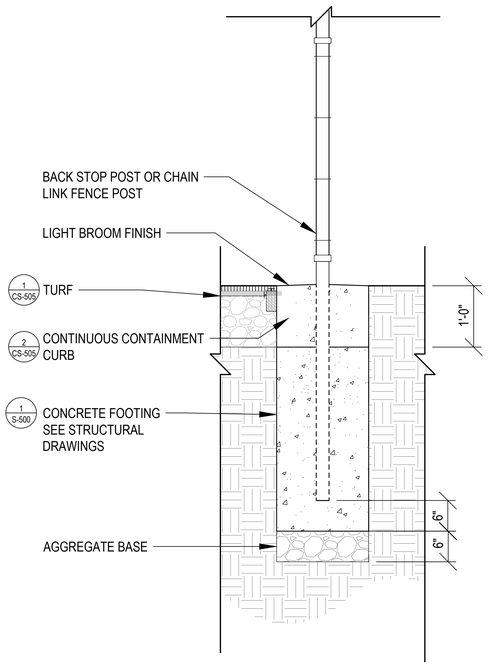
5 CONTAINMENT CURB PLAN VIEW

SCALE: 1" = 1'



6 CONTAINMENT CURB @ NORTH AND WEST SIDE OF FIELDS

SCALE: 1" = 1'



7 CONTAINMENT CURB @ SOUTH & EAST SIDES OF FIELDS

SCALE: 1" = 1'

CALL J.U.L.I.E. 1-800-892-0123 48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN

DRAWING TITLE
SITE DETAILS - SYNTHETIC FIELD

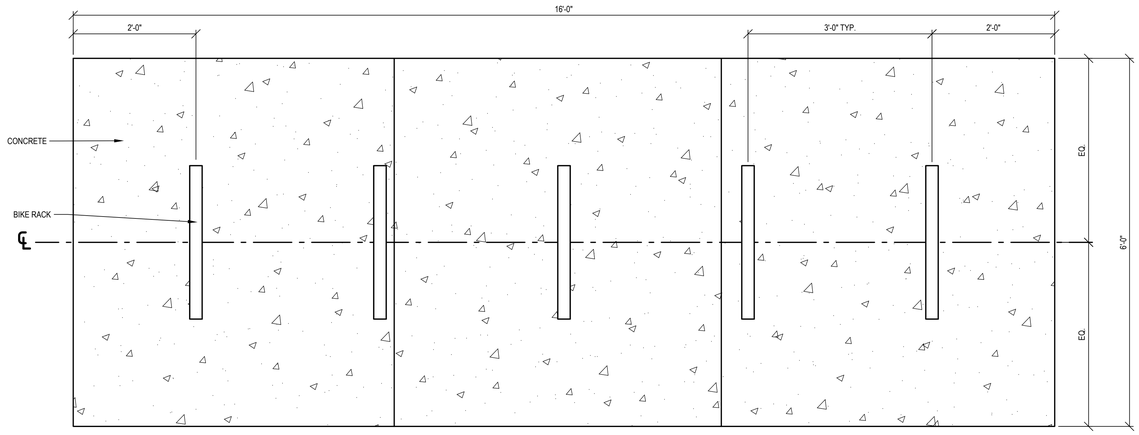
0' 10' 20' 40'
SCALE:

SCALE

PROJECT NUMBER 14106

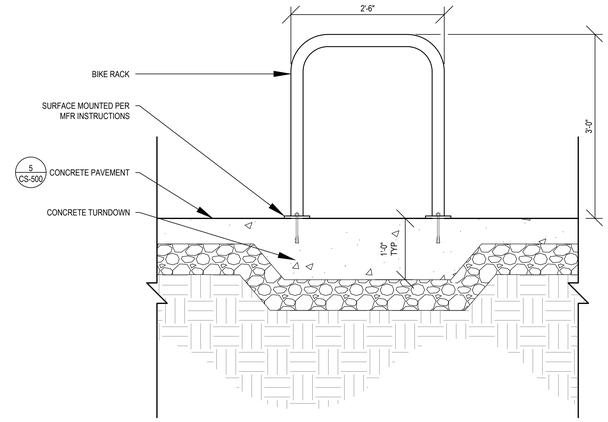
DRAWING NUMBER CS-505

FILE: C:\Users\kroderick\SmithGroup Companies, Inc\PRJ - 14106 - SmithGroup - SmithGroup\CAD\05 Civil\14106-CS-500.dwg USER: kroderick DATE: Apr. 11, 2024 TIME: 10:09 pm



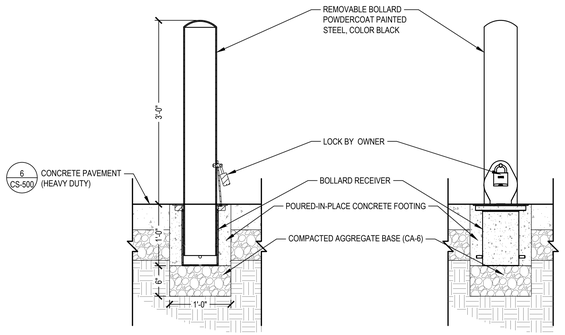
1 BIKE RACK PLAN

SCALE: 1"=1'-00"



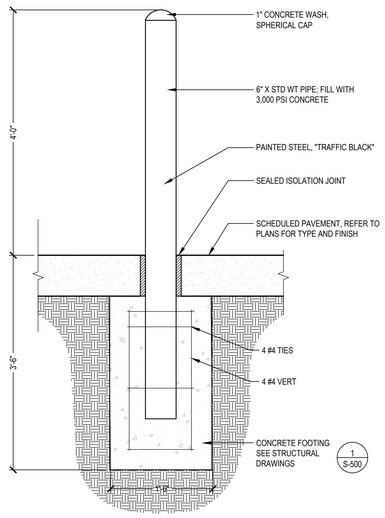
2 BIKE RACK ELEVATION

SCALE: 1"=1'-0"



3 REMOVABLE BOLLARD

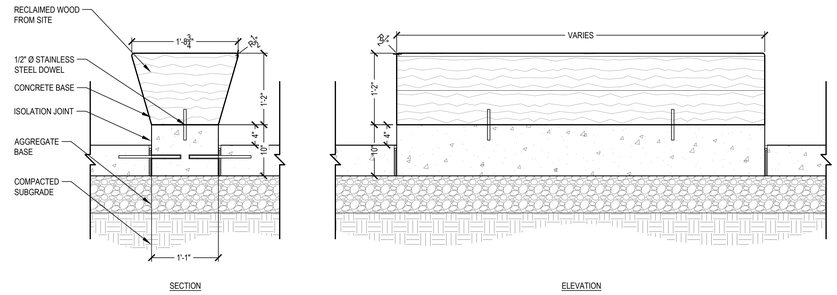
SCALE: 1' = 1'-0"



4 BOLLARD

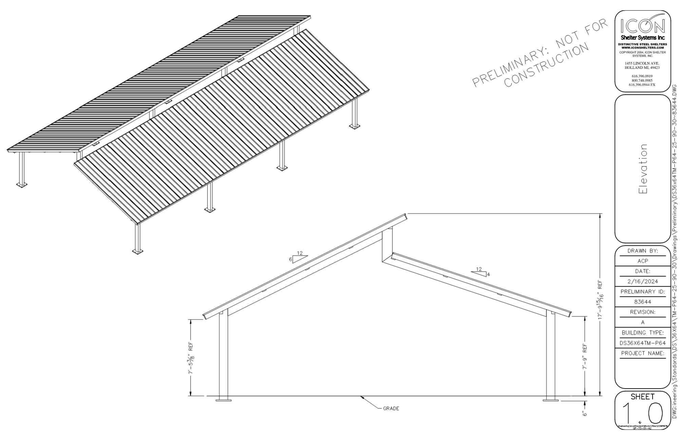
SCALE: 1' = 1'-0"

NOTES:
1. CONTRACTOR TO PROVIDE SHOP DRAWINGS.
2. PROVIDE 4 FINISH AND STAIN SAMPLES FOR REVIEW AND APPROVAL.
3. FOR BIDDING PURPOSES ASSUME 20 WOOD BENCHES @ 8'-00" EACH.



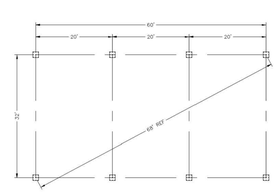
5 WOOD BENCH

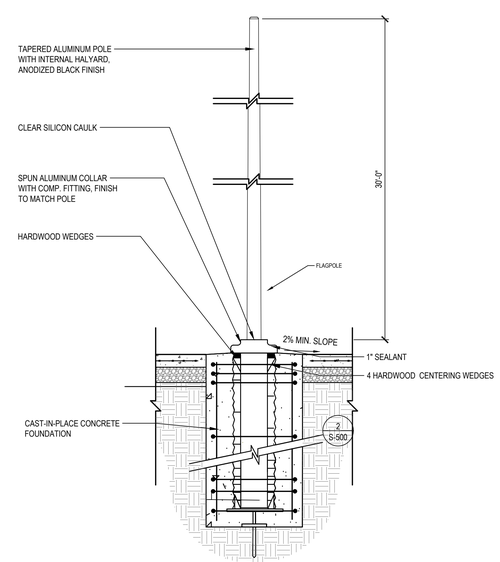
SCALE: 1' = 1'-0"



6 PAVILION

SCALE: NTS





7 FLAG POLE

SCALE: 1/2" = 1'-0"

CALL J.U.L.I.E. 1-800-892-0123
48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN

DRAWING TITLE
SITE DETAILS - SITE FURNISHINGS

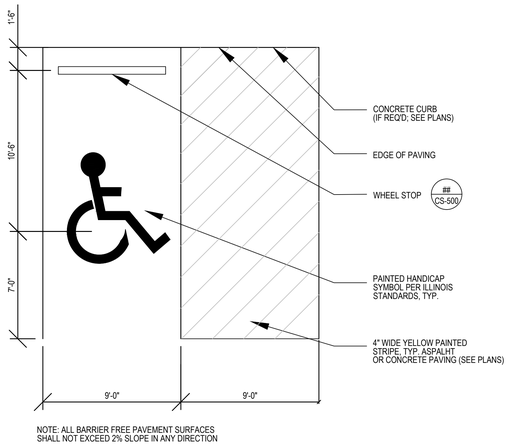
0' 10' 20' 40'
SCALE:

SCALE

PROJECT NUMBER 14106

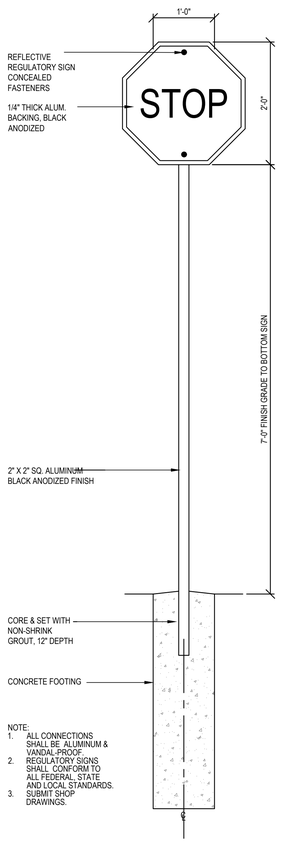
DRAWING NUMBER CS-506

FILE: C:\User\kpodwick\SmithGroup Companies Inc\PRJ - 14106 - SmithGroup - SmithGroup\CAD\05 Civil\14106-CS-500.dwg USER: kpodwick DATE: Apr. 11, 2024 TIME: 10:09 pm



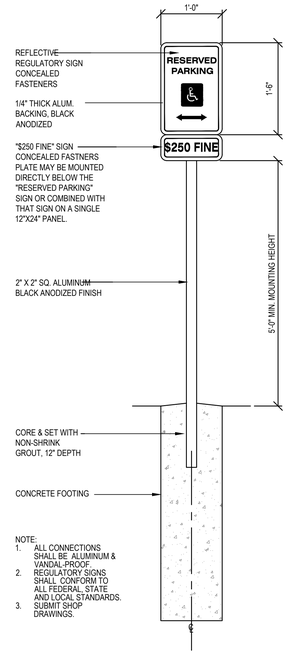
1 ADA STRIPING

SCALE: 1/4"=1'-0"



2 SIGNAGE

SCALE: 1" = 1'-00"



3 ADA SIGN

SCALE: 1"=1'-0"

CALL J.U.L.I.E. 1-800-892-0123
48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

SMITHGROUP

35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS

314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN

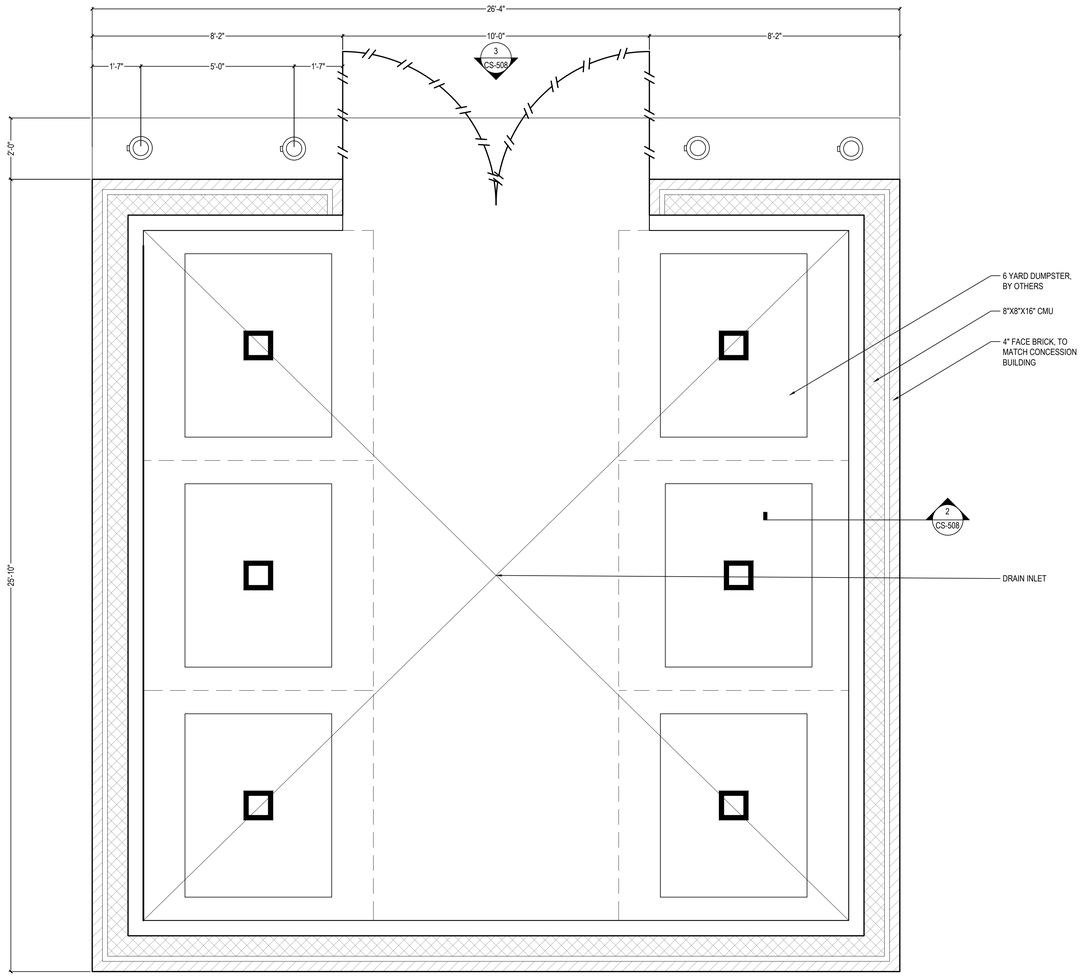
DRAWING TITLE
SITE DETAILS - SIGNAGE & STRIPING

0' 10' 20' 40'
SCALE:

SCALE
14106
PROJECT NUMBER

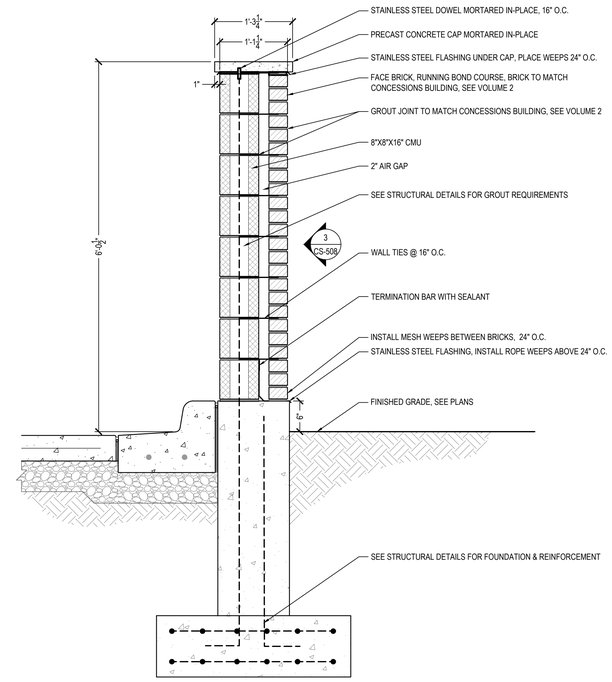
CS-507
DRAWING NUMBER

FILE:C:\Users\kroderick\SmithGroup Companies Inc\PRJ - 14106 - SmithGroup - SmithGroup\CAD\05 Civil\14106-CS-500.dwg USER:kroderick DATE:Apr 11, 2024 TIME: 10:10 am



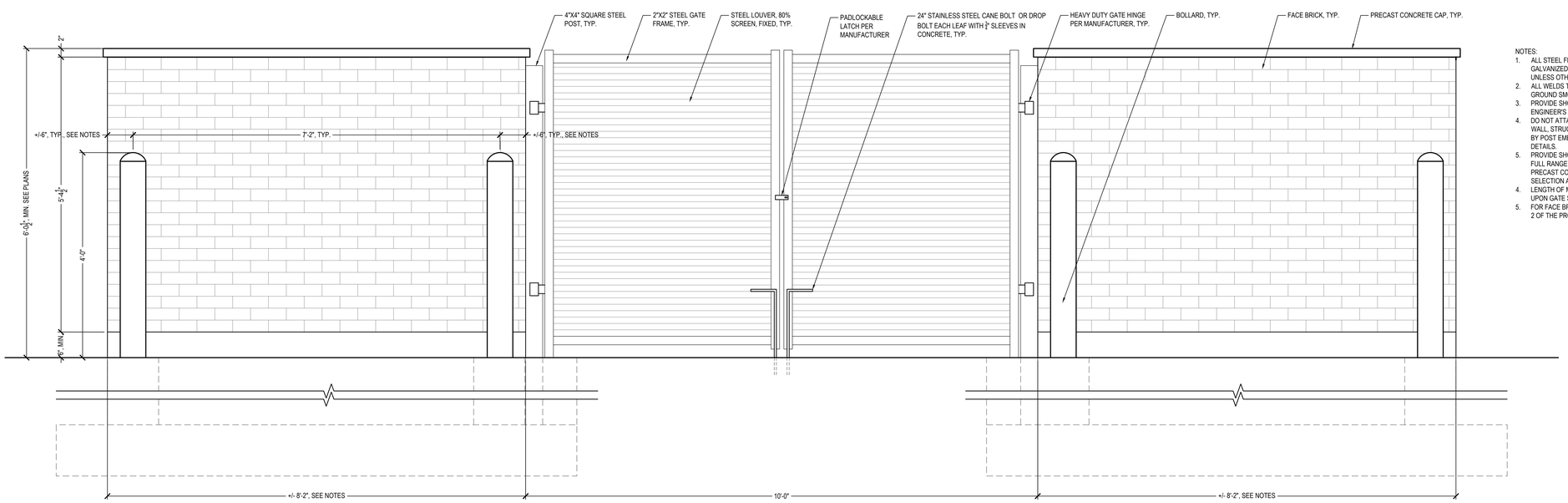
1 TRASH ENCLOSURE PLAN

SCALE: 1"=2'



2 TRASH ENCLOSURE - WALL DETAIL

SCALE: 1" = 1'



NOTES:
1. ALL STEEL FENCE MEMBERS TO BE HOT-DIPPED GALVANIZED & POWDER COATED BLACK, UNLESS OTHERWISE NOTED.
2. ALL WELDS TO BE SOUNDLY ATTACHED & GROUND SMOOTH
3. PROVIDE SHOP DRAWINGS FOR FENCING FOR ENGINEER'S APPROVAL.
4. DO NOT ATTACH FENCE POSTS TO MASONRY WALL, STRUCTURAL SUPPORT TO BE PROVIDED BY POST EMBEDMENT, SEE STRUCTURAL DETAILS.
5. PROVIDE SHOP DRAWINGS & MANUFACTURER'S FULL RANGE OF COLOR SELECTIONS FOR PRECAST CONCRETE CAP FOR ENGINEER'S SELECTION AND APPROVAL.
4. LENGTH OF MASONRY WALL CONTINGENT UPON GATE SYSTEM SELECTED.
5. FOR FACE BRICK SPECIFICATIONS SEE VOLUME 2 OF THE PROJECT MANUAL.

3 TRASH ENCLOSURE - NORTH ELEVATION

SCALE: 1"=2'

CALL J.U.L.I.E. 1-800-892-0123 48 HOURS (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN

DRAWING TITLE
SITE DETAILS - TRASH ENCLOSURE

0' 10' 20' 40'
SCALE:

SCALE

PROJECT NUMBER 14106

DRAWING NUMBER CS-508

FILE: C:\Users\krzydecki\SmithGroup Companies Inc\PRJ - 14106 - SmithGroup - SmithGroup\CAD\05 Civil\14106-CS-500.dwg USER: krzydecki DATE: Apr 11 2024 TIME: 10:10 pm

SHEET NOTES

1. BEFORE ANY EXCAVATION ON THE SITE, CALL J.U.L.I.E. @ 800.892.0123 TO LOCATE ANY EXISTING UTILITIES ON THE SITE. THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE LOCATION OF ALL BURIED UTILITIES IN THE AREAS OF WORK BEFORE STARTING OPERATIONS. THE CONTRACTOR SHALL BE LIABLE FOR THE COST OF REPAIRING OR REPLACING ANY BURIED CONDUIT, CABLES, OR PIPING DAMAGED DURING THE INSTALLATION OF THIS WORK.
2. CAREFULLY MAINTAIN PRESENT GRADE AT BASE OF ALL EXISTING TREES TO REMAIN. PREVENT ANY DISTURBANCE OF EXISTING TREES. PROTECT EXISTING TREES TO REMAIN IN PLACE AGAINST CUTTING, BREAKING, OR SKINNING OF ROOTS, BRUISING BARK, SMOTHERING TREES BY STOCKPILING EXCAVATION AND CONSTRUCTION MATERIALS OR PARKING VEHICLES WITHIN THE DRIP LINE.
3. CONTRACTOR SHALL VERIFY DEPTH AND LOCATION OF EXISTING UNDERGROUND UTILITIES AND MANHOLES PRIOR TO THE START OF ANY SEWER CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER.
4. ADJUST ALL UTILITY STRUCTURE RIMS TO MEET FUTURE FINISHED GRADE, UNLESS OTHERWISE NOTED.
5. GRADES SHALL SLOPE TO DRAIN, BE FREE OF DEPRESSIONS OR OTHER IRREGULARITIES AFTER COMPACTION OF SOIL AND INSTALLATION OF PAVEMENT, AND SHALL BE UNIFORM IN SLOPE BETWEEN THE ELEVATIONS INDICATED.
6. FINISH GRADES SHALL MEET EXISTING GRADES AT LIMIT OF WORK.
7. ALL NEW PAVING SHALL BE SLOPED TO DRAIN TO ADJACENT CURB OR INLET.
8. ANY PROPOSED GRADES ON PAVEMENT LESS THAN 1% SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER PRIOR TO PAVEMENT INSTALLATION.
9. EXISTING TOPSOIL, VEGETATION AND ORGANIC MATERIALS SHALL BE STRIPPED AND REMOVED FROM PROPOSED PAVEMENT AND SYNTHETIC TURF AREAS PRIOR TO PLACEMENT OF BASE MATERIALS.

KEYED NOTES

LEGEND

865	EXISTING MAJOR CONTOUR
864	EXISTING MINOR CONTOUR
861.50	EXISTING SPOT ELEVATION
865	PROPOSED MAJOR CONTOUR
864	PROPOSED MINOR CONTOUR
	GRADING LIMITS
	GRADE BREAK LINE
	LIMITS OF CONSTRUCTION
2.5%	DRAINAGE SLOPE
	DRAINAGE SWALE
	FLOW DIRECTION
	SECTION ELEVATION LABEL
861.50	PROPOSED SPOT ELEVATION
861.50 M.E.	APPROX. SPOT ELEVATION: MATCH EXISTING GRADE
RIM 861.50	STRUCTURE RIM ELEVATION
T/C 861.50	TOP OF CURB ELEVATION
G/C 861.50	GUTTER OF CURB ELEVATION
T/W 861.50	TOP OF WALL ELEVATION
B/W 861.50	BOTTOM OF WALL ELEVATION
HP 861.50	HIGH POINT ELEVATION
LP 861.50	LOW POINT ELEVATION

CALL J.U.L.I.E. 1-800-892-0123
48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

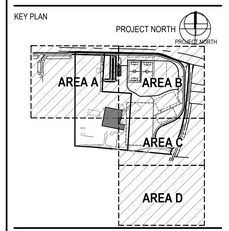
SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN



DRAWING TITLE
GRADING & DRAINAGE PLAN - OVERALL

0' 50' 100' 200'
SCALE: 1" = 100'

SCALE

PROJECT NUMBER 14106

DRAWING NUMBER CG-100

FILE: C:\Users\kroolecki\SmithGroup Companies Inc\PRJ - 14106 - SmithGroup - SmithGroup\CAD\05 Civil\14106-CG-100.dwg USER: kroolecki DATE: Apr 11 2024 TIME: 10:11 pm

SHEET NOTES

1. BEFORE ANY EXCAVATION ON THE SITE, CALL J.U.L.I.E. @ 800.892.0123 TO LOCATE ANY EXISTING UTILITIES ON THE SITE. THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE LOCATION OF ALL BURIED UTILITIES IN THE AREAS OF WORK BEFORE STARTING OPERATIONS. THE CONTRACTOR SHALL BE LIABLE FOR THE COST OF REPAIRING OR REPLACING ANY BURIED CONDUIT, CABLES, OR PIPING DAMAGED DURING THE INSTALLATION OF THIS WORK.
2. CAREFULLY MAINTAIN PRESENT GRADE AT BASE OF ALL EXISTING TREES TO REMAIN. PREVENT ANY DISTURBANCE OF EXISTING TREES. PROTECT EXISTING TREES TO REMAIN IN PLACE AGAINST CUTTING, BREAKING, OR SKINNING OF ROOTS. BRUISING BARK, SMOTHERING TREES BY STOCKPILING EXCAVATION AND CONSTRUCTION MATERIALS OR PARKING VEHICLES WITHIN THE DRIP LINE.
3. CONTRACTOR SHALL VERIFY DEPTH AND LOCATION OF EXISTING UNDERGROUND UTILITIES AND MANHOLES PRIOR TO THE START OF ANY SEWER CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER.
4. ADJUST ALL UTILITY STRUCTURE RIMS TO MEET FUTURE FINISHED GRADE, UNLESS OTHERWISE NOTED.
5. GRADES SHALL SLOPE TO DRAIN, BE FREE OF DEPRESSIONS OR OTHER IRREGULARITIES AFTER COMPACTION OF SOIL AND INSTALLATION OF PAVEMENT, AND SHALL BE UNIFORM IN SLOPE BETWEEN THE ELEVATIONS INDICATED.
6. FINISH GRADES SHALL MEET EXISTING GRADES AT LIMIT OF WORK.
7. ALL NEW PAVING SHALL BE SLOPED TO DRAIN TO ADJACENT CURB OR INLET.
8. ANY PROPOSED GRADES ON PAVEMENT LESS THAN 1% SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER PRIOR TO PAVEMENT INSTALLATION.
9. EXISTING TOPSOIL, VEGETATION AND ORGANIC MATERIALS SHALL BE STRIPPED AND REMOVED FROM PROPOSED PAVEMENT AND SYNTHETIC TURF AREAS PRIOR TO PLACEMENT OF BASE MATERIALS.

KEYED NOTES

LEGEND

- 865 — EXISTING MAJOR CONTOUR
- 864 — EXISTING MINOR CONTOUR
- 861.50 × — EXISTING SPOT ELEVATION
- 865 — PROPOSED MAJOR CONTOUR
- 864 — PROPOSED MINOR CONTOUR
- GRADING LIMITS
- GRADE BREAK LINE
- LIMITS OF CONSTRUCTION
- 2.5% — DRAINAGE SLOPE
- DRAINAGE SWALE
- FLOW DIRECTION
- SECTION ELEVATION LABEL
- 861.50 × — PROPOSED SPOT ELEVATION
- 861.50 M.E. × — APPROX. SPOT ELEVATION: MATCH EXISTING GRADE
- RIM 861.50 × — STRUCTURE RIM ELEVATION
- T/C 861.50 × — TOP OF CURB ELEVATION
- G/C 861.50 × — GUTTER OF CURB ELEVATION
- T/W 861.50 × — TOP OF WALL ELEVATION
- B/W 861.50 × — BOTTOM OF WALL ELEVATION
- HP 861.50 × — HIGH POINT ELEVATION
- LP 861.50 × — LOW POINT ELEVATION

CALL J.U.L.I.E. 1-800-892-0123
48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

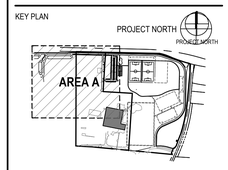
SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN



DRAWING TITLE
GRADING AND DRAINAGE PLAN - AREA A

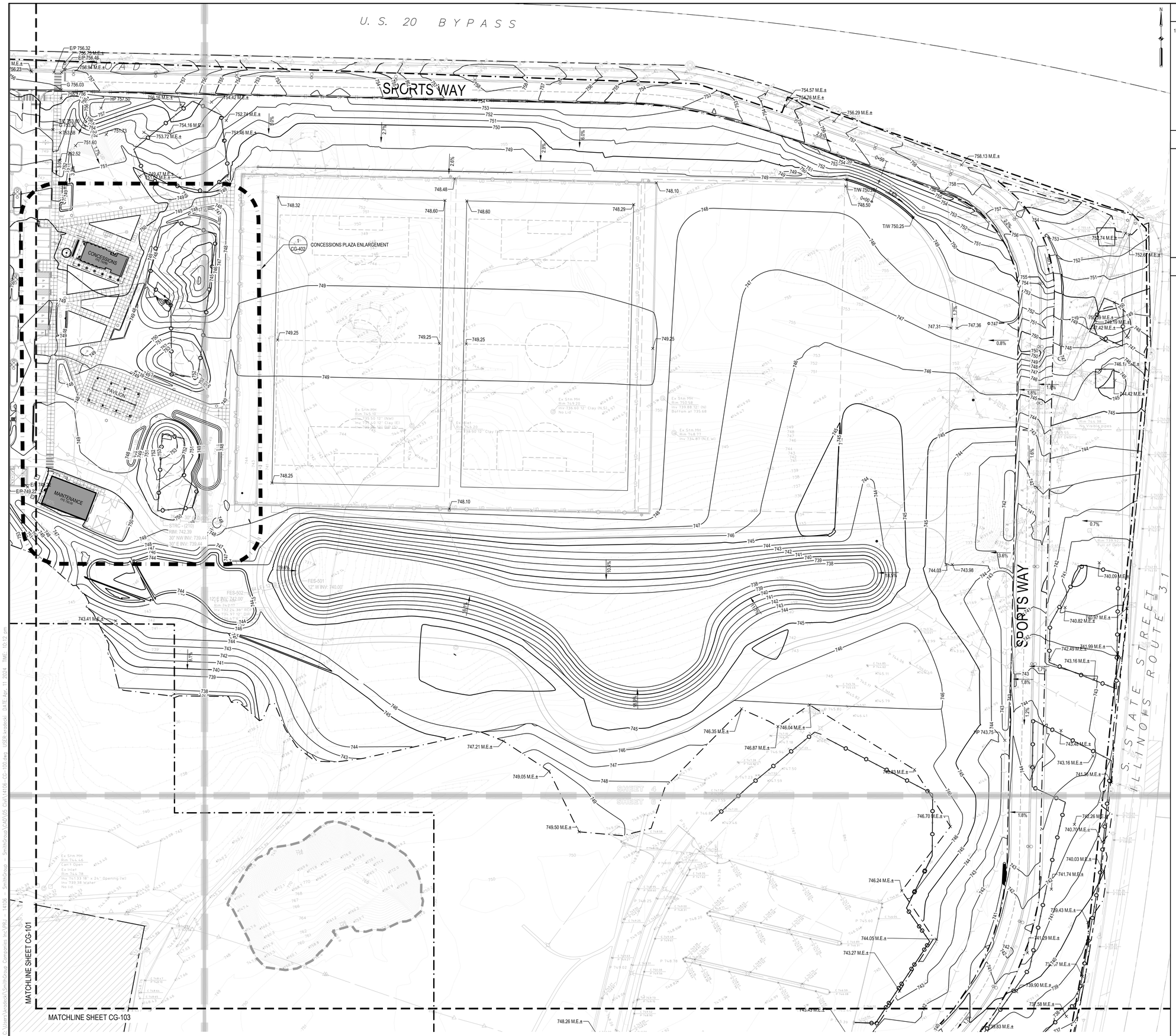
0' 25' 50' 100'
SCALE: 1" = 50'

SCALE

PROJECT NUMBER 14106

DRAWING NUMBER CG-101

FILE:C:\Users\krodecki\SmithGroup Companies Inc\PRJ - 14106 - SmithGroup - SmithGroup\CAD\05 Civil\14106-CG-100.dwg USER:krodecki DATE:Apr. 11, 2024 TIME: 10:11 pm



SHEET NOTES

1. SEE SHEET CG-100 FOR GENERAL GRADING NOTES.

KEYED NOTES

LEGEND

- 865 — EXISTING MAJOR CONTOUR
- 864 — EXISTING MINOR CONTOUR
- 861.50 — EXISTING SPOT ELEVATION
- 865 — PROPOSED MAJOR CONTOUR
- 864 — PROPOSED MINOR CONTOUR
- GRADING LIMITS
- GRADE BREAK LINE
- LIMITS OF CONSTRUCTION
- 2.5% — DRAINAGE SLOPE
- DRAINAGE SWALE
- FLOW DIRECTION
- SECTION ELEVATION LABEL
- 861.50 — PROPOSED SPOT ELEVATION
- 861.50 M.E. — APPROX. SPOT ELEVATION: MATCH EXISTING GRADE
- RIM 861.50 — STRUCTURE RIM ELEVATION
- T/C 861.50 — TOP OF CURB ELEVATION
- G/C 861.50 — GUTTER OF CURB ELEVATION
- T/W 861.50 — TOP OF WALL ELEVATION
- B/W 861.50 — BOTTOM OF WALL ELEVATION
- HP 861.50 — HIGH POINT ELEVATION
- LP 861.50 — LOW POINT ELEVATION

CALL J.U.L.I.E. 1-800-892-0123
48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

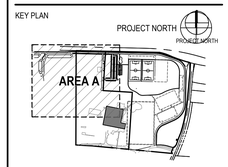
SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN



DRAWING TITLE
GRADING & DRAINAGE PLAN - AREA B

SCALE: 1" = 50'

SCALE 14106

PROJECT NUMBER

DRAWING NUMBER CG-102

SHEET NOTES

1. SEE SHEET CG-100 FOR GENERAL GRADING NOTES.

KEYED NOTES

LEGEND

865	EXISTING MAJOR CONTOUR
864	EXISTING MINOR CONTOUR
861.50	EXISTING SPOT ELEVATION
865	PROPOSED MAJOR CONTOUR
864	PROPOSED MINOR CONTOUR
	GRADING LIMITS
	GRADE BREAK LINE
	LIMITS OF CONSTRUCTION
2.5%	DRAINAGE SLOPE
	DRAINAGE SWALE
	FLOW DIRECTION
	SECTION ELEVATION LABEL
861.50	PROPOSED SPOT ELEVATION
861.50 M.E.	APPROX. SPOT ELEVATION: MATCH EXISTING GRADE
RIM 861.50	STRUCTURE RIM ELEVATION
T/C 861.50	TOP OF CURB ELEVATION
G/C 861.50	GUTTER OF CURB ELEVATION
T/W 861.50	TOP OF WALL ELEVATION
B/W 861.50	BOTTOM OF WALL ELEVATION
HP 861.50	HIGH POINT ELEVATION
LP 861.50	LOW POINT ELEVATION

CALL J.U.L.I.E. 1-800-892-0123
48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

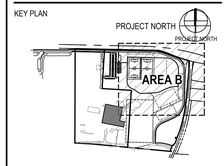
SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN



DRAWING TITLE
GRADING & DRAINAGE PLAN - AREA C

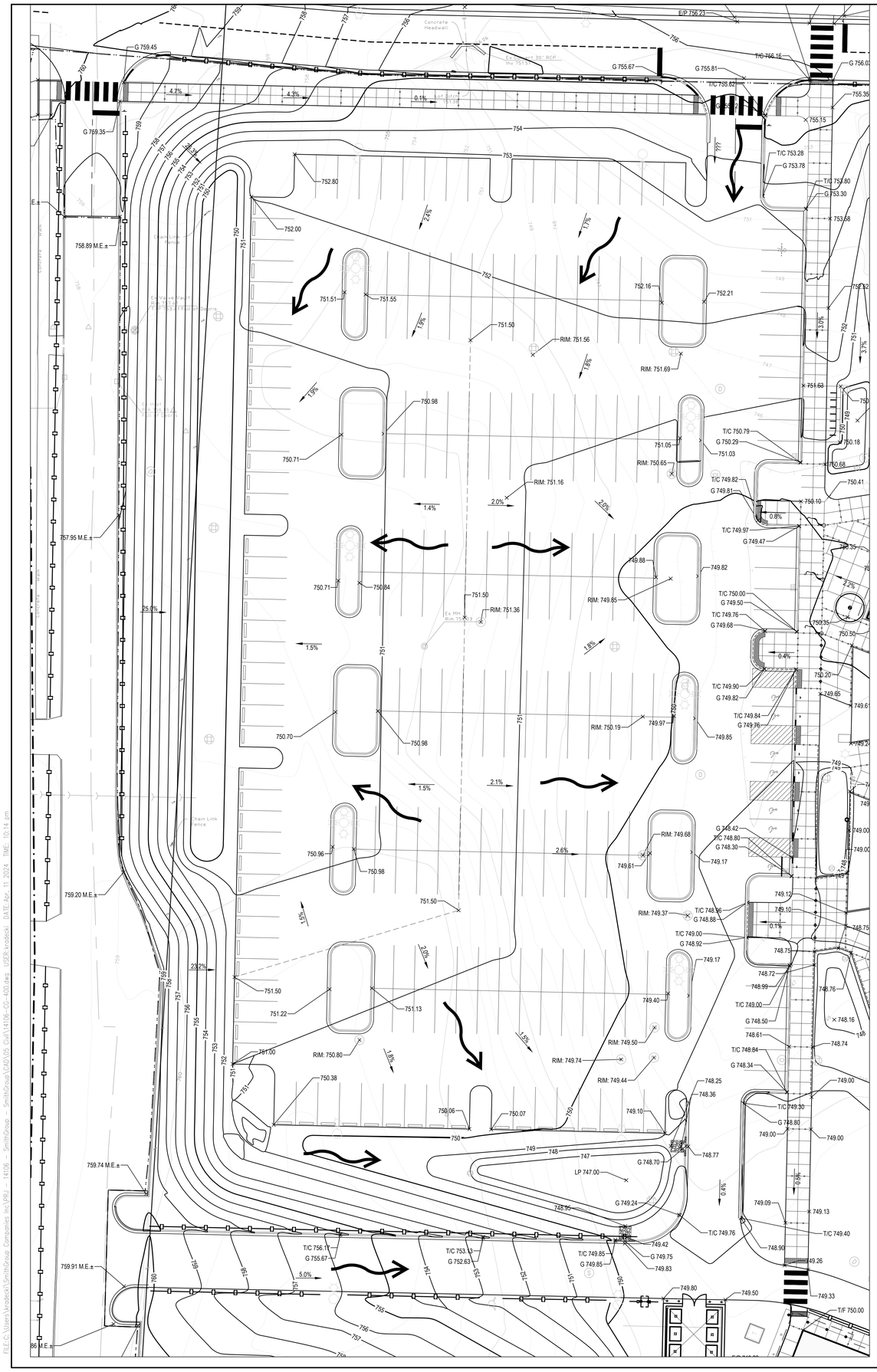
0' 25' 50' 100'
SCALE: 1" = 50'

SCALE

PROJECT NUMBER 14106

DRAWING NUMBER CG-103

FILE:C:\Users\kroderick\SmithGroup Companies Inc\PRJ - 14106 - SmithGroup\CAD\05 Civil\14106-CG-100.dwg USER:kroderick DATE:Apr. 11, 2024 TIME: 10:12 pm



SHEET NOTES

1. SEE SHEET CS-100 FOR LAYOUT AND MATERIALS NOTES.

KEYED NOTES

- (A) PROPOSED PLAYGROUND ADD ALTERNATE
- (B) PROPOSED PUBLIC BUILDING, SEE SHEET A-100 FOR ARCHITECTURAL PROGRAM NARRATIVE
- (C) PROPOSED MAINTENANCE BUILDING, SEE SHEET A-100 FOR ARCHITECTURAL PROGRAM NARRATIVE
- (D) PROPOSED MAINTENANCE YARD

LEGEND

865	EXISTING MAJOR CONTOUR
864	EXISTING MINOR CONTOUR
861.50	EXISTING SPOT ELEVATION
865	PROPOSED MAJOR CONTOUR
864	PROPOSED MINOR CONTOUR
	GRADING LIMITS
	GRADE BREAK LINE
	LIMITS OF CONSTRUCTION
2.5%	DRAINAGE SLOPE
	DRAINAGE SWALE
	FLOW DIRECTION
ELEV 861.5	SECTION ELEVATION LABEL
861.50	PROPOSED SPOT ELEVATION
861.50 M.E.	APPROX. SPOT ELEVATION: MATCH EXISTING GRADE
RIM 861.50	STRUCTURE RIM ELEVATION
T/C 861.50	TOP OF CURB ELEVATION
G/C 861.50	GUTTER OF CURB ELEVATION
T/W 861.50	TOP OF WALL ELEVATION
B/W 861.50	BOTTOM OF WALL ELEVATION
HP 861.50	HIGH POINT ELEVATION
LP 861.50	LOW POINT ELEVATION

CALL J.U.L.I.E. 1-800-892-0123
48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

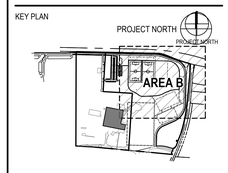
SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN



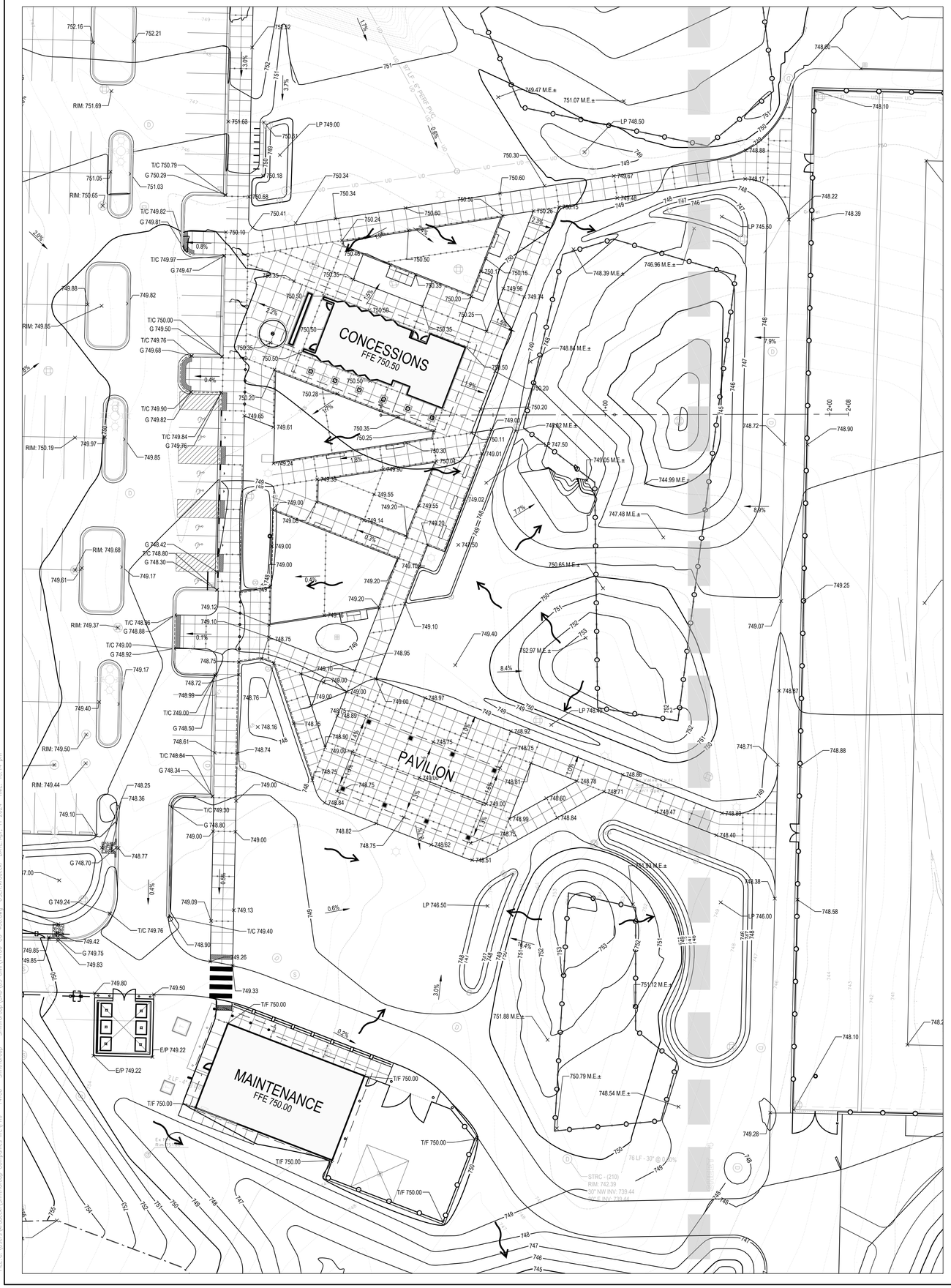
DRAWING TITLE
PARKING LOT 1 GRADING ENLARGEMENT

SCALE: 1" = 20'

SCALE

PROJECT NUMBER 14106

DRAWING NUMBER CG-401



SHEET NOTES

1. SEE SHEET CS-100 FOR LAYOUT AND MATERIALS NOTES.

KEYED NOTES

- (A) PROPOSED PLAYGROUND ADD ALTERNATE
- (B) PROPOSED PUBLIC BUILDING, SEE SHEET A-100 FOR ARCHITECTURAL PROGRAM NARRATIVE
- (C) PROPOSED MAINTENANCE BUILDING, SEE SHEET A-100 FOR ARCHITECTURAL PROGRAM NARRATIVE
- (D) PROPOSED MAINTENANCE YARD

LEGEND

- 865 — EXISTING MAJOR CONTOUR
- 864 — EXISTING MINOR CONTOUR
- 861.50 — EXISTING SPOT ELEVATION
- 865 — PROPOSED MAJOR CONTOUR
- 864 — PROPOSED MINOR CONTOUR
- GRADING LIMITS
- GRADE BREAK LINE
- LIMITS OF CONSTRUCTION
- 2.5% — DRAINAGE SLOPE
- DRAINAGE SWALE
- FLOW DIRECTION
- ELEV 861.5 — SECTION ELEVATION LABEL
- 861.50 — PROPOSED SPOT ELEVATION
- 861.50 M.E. — APPROX. SPOT ELEVATION: MATCH EXISTING GRADE
- RIM 861.50 — STRUCTURE RIM ELEVATION
- T/C 861.50 — TOP OF CURB ELEVATION
- G/C 861.50 — GUTTER OF CURB ELEVATION
- T/W 861.50 — TOP OF WALL ELEVATION
- B/W 861.50 — BOTTOM OF WALL ELEVATION
- HP 861.50 — HIGH POINT ELEVATION
- LP 861.50 — LOW POINT ELEVATION

CALL J.U.L.I.E. 1-800-892-0123
48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

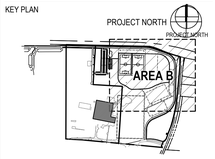
SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN



DRAWING TITLE
CONCESSIONS PLAZA
GRADING ENLARGEMENT

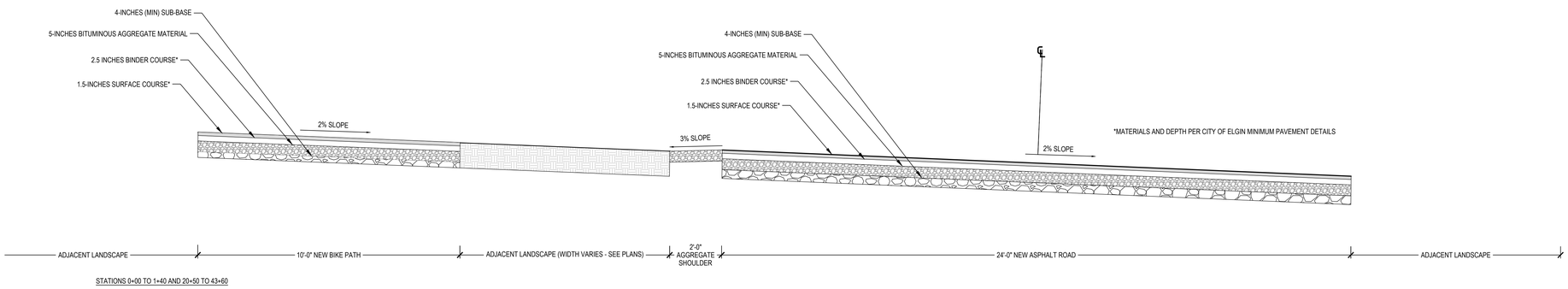
0' 25' 50' 100'
SCALE: 1" = 50'

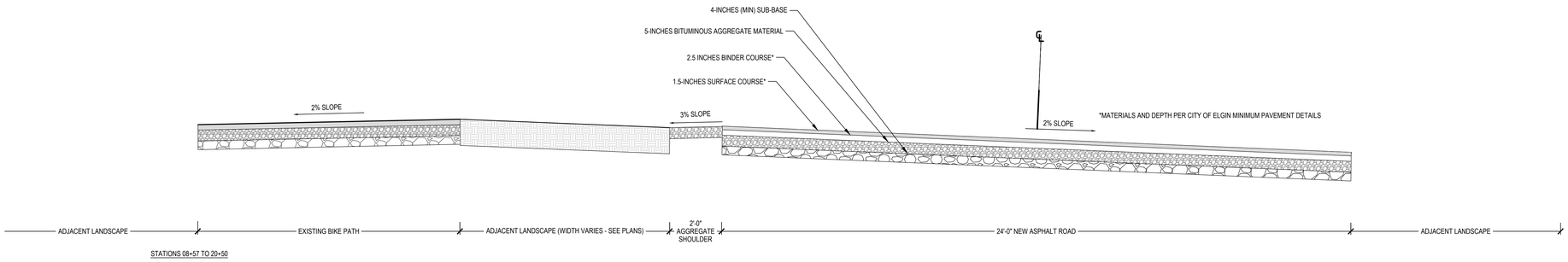
SCALE

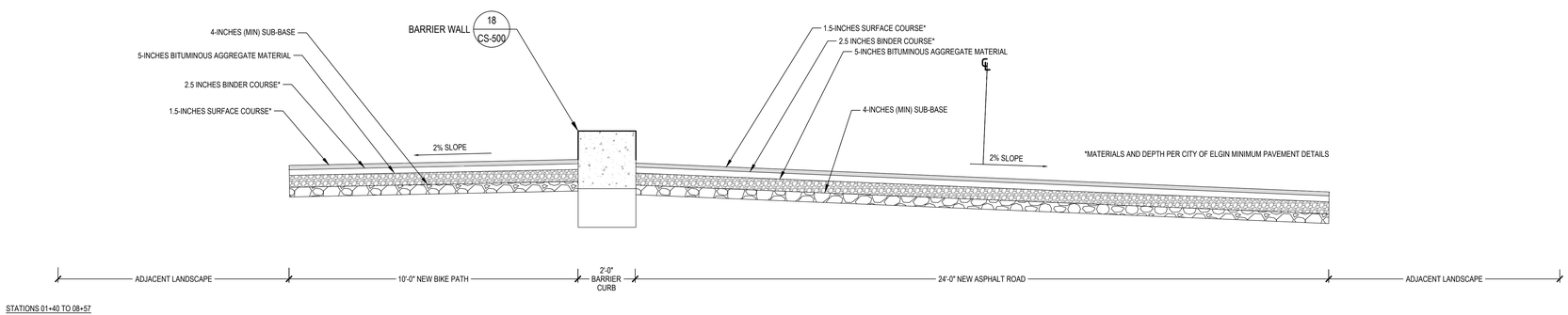
PROJECT NUMBER 14106

DRAWING NUMBER CG-402

FILE:C:\Users\kondacki\SmithGroup Companies Inc\PRJ - 14106 - SmithGroup - SmithGroup\CAD\05 Civil\14106-CG-400.dwg USER: kondacki DATE: Apr. 11, 2024 TIME: 10:14 pm

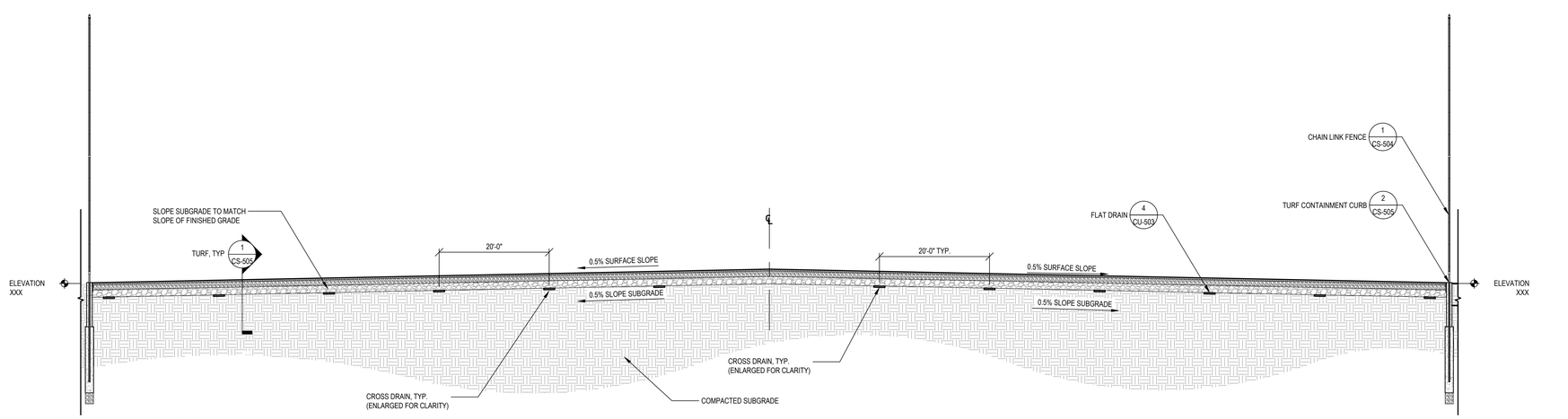






1 ROAD TO BIKE PATH PROFILES

SCALE: 1/2" = 1'-0"



2 CROSS SECTION - SYNTHETIC TURF FIELD

SCALE: 1" = 10'

SHEET NOTES

1. TYPICAL SECTIONS ARE BASED ON CITY OF ELGIN STANDARD PAVING DETAIL DEPTHS.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN

DRAWING TITLE
GRADING DETAILS

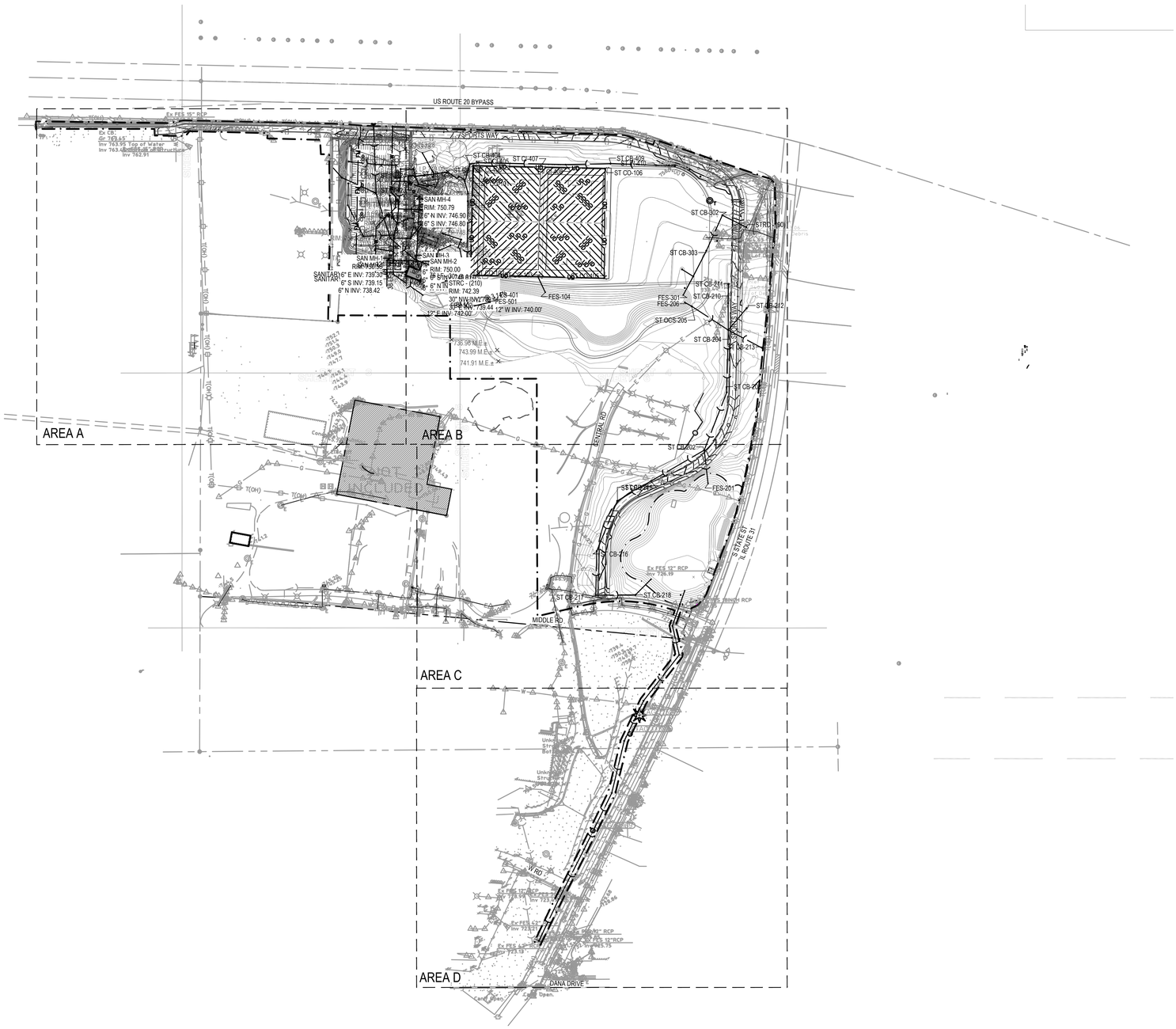
SCALE 14106

PROJECT NUMBER

DRAWING NUMBER
CG-500

CALL J.U.L.I.E. 1-800-892-0123
48 Hours (2 working days) Before You Dig.

FILE: C:\Users\kpodwick\SmithGroup Companies Inc\PRJ - 14106 - SmithGroup - SmithGroup\CAD\05 Civil\14106-CG-500.dwg USER: kpodwick DATE: Apr. 11, 2024 TIME: 10:14 pm



SHEET NOTES

1. BEFORE ANY EXCAVATION ON THE SITE, CALL 811 TO LOCATE ANY EXISTING UTILITIES ON THE SITE. THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE LOCATION OF ALL BURIED UTILITIES IN THE AREAS OF WORK BEFORE STARTING OPERATIONS. THE CONTRACTOR SHALL BE LIABLE FOR THE COST OF REPAIRING OR REPLACING ANY BURIED CONDUIT, CABLES, OR PIPING DAMAGED DURING THE INSTALLATION OF THIS WORK.
2. VERIFY DEPTH AND LOCATION OF EXISTING SEWER AND MANHOLES PRIOR TO START OF ANY SEWER CONSTRUCTION. REPORT ANY DISCREPANCIES OR CONFLICTS TO THE ARCHITECT/ENGINEER
3. ALL UTILITY STRUCTURES, INCLUDING BUT NOT LIMITED TO: CLEAN-OUTS, MANHOLES, CATCH BASINS, STRUCTURES, VALVE BOXES, SHUT OFF VALVES, VAULT COVERS, ELECTRICAL VAULT COVERS, ELECTRICAL PULL BOXES, ETC., TO REMAIN SHALL BE ADJUSTED TO FINISH GRADE UNLESS OTHERWISE NOTED.
4. WHEREVER A SEWER CROSSES UNDER A WATER MAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATER MAIN SHALL BE 18 INCHES. FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN SANITARY SEWERS AND WATER MAINS SHALL BE MAINTAINED UNLESS: THE SEWER IS LAID IN A SEPARATE TRENCH, KEEPING A MINIMUM 18" VERTICAL SEPARATION; OR THE SEWER IS LAID IN THE SAME TRENCH WITH THE WATER MAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18" VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED ABOVE CANNOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATER MAIN, THE SEWER SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS.
5. ALL WATER SERVICE LINES, WATER MAIN, FITTINGS AND APPURTENANCES SHALL BE DUCTILE IRON PIPE (DIP) IN ACCORDANCE WITH THE FOLLOWING:
   A. DUCTILE-IRON PIPE: AWWA C151 WITH PUSH-ON-JOINT BELL AND PLAIN SPIGOT END. CLASS 52 OR HIGHER.
   B. PUSH-ON-JOINT, DUCTILE-IRON FITTINGS: AWWA C110, DUCTILE IRON PATTERN OR AWWA C153, DUCTILE IRON COMPACT PATTERN. GASKETS: AWWA C111 RUBBERALL.
6. ALL WATER SERVICE LINE AND WATER MAIN WORK, TESTING AND FLUSHING SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF EVANSTON MUNICIPAL CODE AND STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS, SEVENTH EDITION.

KEYED NOTES

LEGEND

- PROPERTY LINE
- WETLAND BOUNDARY
- LIMIT OF CONSTRUCTION
- STORMWATER MANAGEMENT AREA
- SANITARY SEWER
- FM — FORCE MAIN
- STORM SEWER
- COMBINED SEWER
- UD — UNDERDRAIN (3.34 / CU-502)
- UD — FLATDRAIN (2 / CU-503)
- CLEANOUT (1.31 / CU-500)
- YARD DRAIN/ROUND INLET (2 / CU-504)
- FLARED END SECTION (2.11 / CU-501)
- FIRE HYDRANT ASSEMBLY (1.11 / CU-500)
- SANITARY MANHOLE (1.22 / CU-500)
- STORM STRUCTURE (1 / CU-503) (1.31 / CU-500)
- CURB INLET (1.33 / CU-500)
- SQUARE INLET (1 / CU-505) (2 / CU-505)
- LS — LIFT STATION

CALL J.U.L.I.E. 1-800-892-0123
48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

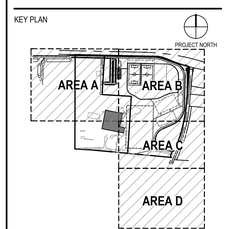
SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN



DRAWING TITLE
UTILITY PLAN - OVERALL

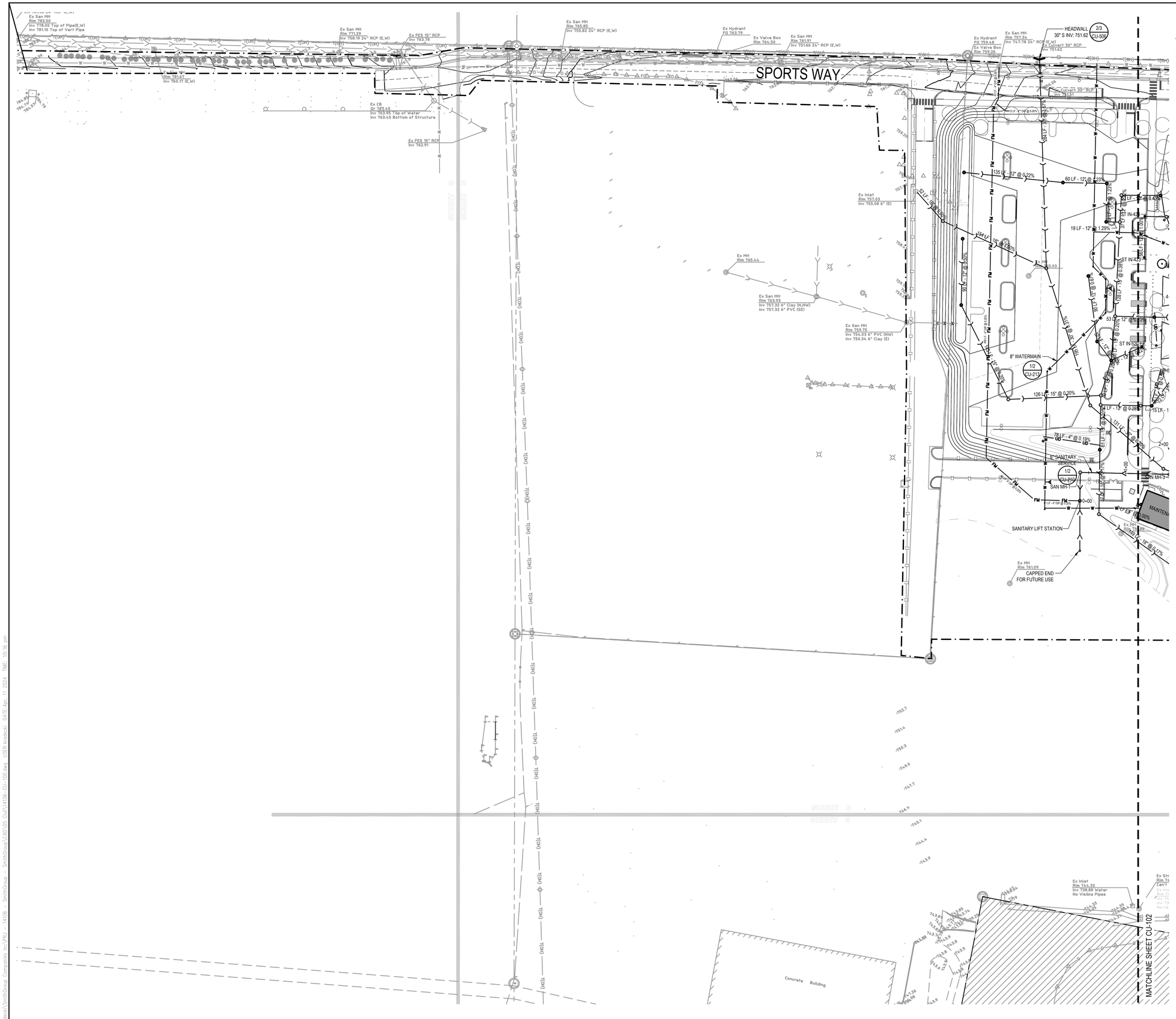
0 100' 200' 400'
SCALE: 1" = 200'

SCALE

PROJECT NUMBER 14106

DRAWING NUMBER CU-100

FILE: C:\Users\wordack\SmithGroup Companies Inc\PRJ - 14106 - SmithGroup - SmithGroup\CAD\05 Civil\14106-C01-100.dwg USER: wordack DATE: Apr. 11, 2024 TIME: 10:16 pm



SHEET NOTES

1. BEFORE ANY EXCAVATION ON THE SITE, CALL 811 TO LOCATE ANY EXISTING UTILITIES ON THE SITE. THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE LOCATION OF ALL BURIED UTILITIES IN THE AREAS OF WORK BEFORE STARTING OPERATIONS. THE CONTRACTOR SHALL BE LIABLE FOR THE COST OF REPAIRING OR REPLACING ANY BURIED CONDUIT, CABLES, OR PIPING DAMAGED DURING THE INSTALLATION OF THIS WORK.
2. VERIFY DEPTH AND LOCATION OF EXISTING SEWER AND MANHOLES PRIOR TO START OF ANY SEWER CONSTRUCTION. REPORT ANY DISCREPANCIES OR CONFLICTS TO THE ARCHITECT/ENGINEER
3. ALL UTILITY STRUCTURES, INCLUDING BUT NOT LIMITED TO: CLEAN-OUTS, MANHOLES, CATCH BASINS, STRUCTURES, VALVE BOXES, SHUT OFF VALVES, VAULT COVERS, ELECTRICAL VAULT COVERS, ELECTRICAL PULL BOXES, ETC., TO REMAIN SHALL BE ADJUSTED TO FINISH GRADE UNLESS OTHERWISE NOTED.
4. WHEREVER A SEWER CROSSES UNDER A WATER MAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATER MAIN SHALL BE 18 INCHES. FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN SANITARY SEWERS AND WATER MAINS SHALL BE MAINTAINED UNLESS: THE SEWER IS LAID IN A SEPARATE TRENCH, KEEPING A MINIMUM 18" VERTICAL SEPARATION; OR THE SEWER IS LAID IN THE SAME TRENCH WITH THE WATER MAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18" VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED ABOVE CANNOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATER MAIN, THE SEWER SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS.
5. ALL WATER SERVICE LINES, WATER MAIN, FITTINGS AND APPURTENANCES SHALL BE DUCTILE IRON PIPE (DIP) IN ACCORDANCE WITH THE FOLLOWING:
   A. DUCTILE-IRON PIPE: AWWA C151 WITH PUSH-ON-JOINT BELL AND PLAIN SPIGOT END. CLASS 52 OR HIGHER.
   B. PUSH-ON-JOINT, DUCTILE-IRON FITTINGS: AWWA C110, DUCTILE IRON PATTERN OR AWWA C153, DUCTILE IRON COMPACT PATTERN. GASKETS: AWWA C111 RUBBERAIL
6. ALL WATER SERVICE LINE AND WATER MAIN WORK, TESTING AND FLUSHING SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF EVANSTON MUNICIPAL CODE AND STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS, SEVENTH EDITION.

KEYED NOTES

LEGEND

- PROPERTY LINE
- WETLAND BOUNDARY
- LIMIT OF CONSTRUCTION
- STORMWATER MANAGEMENT AREA
- SANITARY SEWER
- FORCE MAIN
- STORM SEWER
- COMBINED SEWER
- UNDERDRAIN — 3.34 / CU-503
- FLATDRAIN — 2 / CU-503
- CLEANOUT — 1.31 / CU-503
- YARD DRAIN/ROUND INLET — 2 / CU-503
- FLARED END SECTION — 2.11 / CU-501
- FIRE HYDRANT ASSEMBLY — 1.11 / CU-500
- SANITARY MANHOLE — 1.22 / CU-500
- STORM STRUCTURE — 1 / CU-503, 1.31 / CU-500
- CURB INLET — 1.33 / CU-500
- SQUARE INLET — 1 / CU-505, 2 / CU-505
- LIFT STATION

CALL J.U.L.I.E. 1-800-892-0123
48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

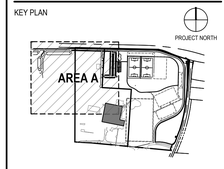
SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN



DRAWING TITLE
UTILITY PLAN - AREA A

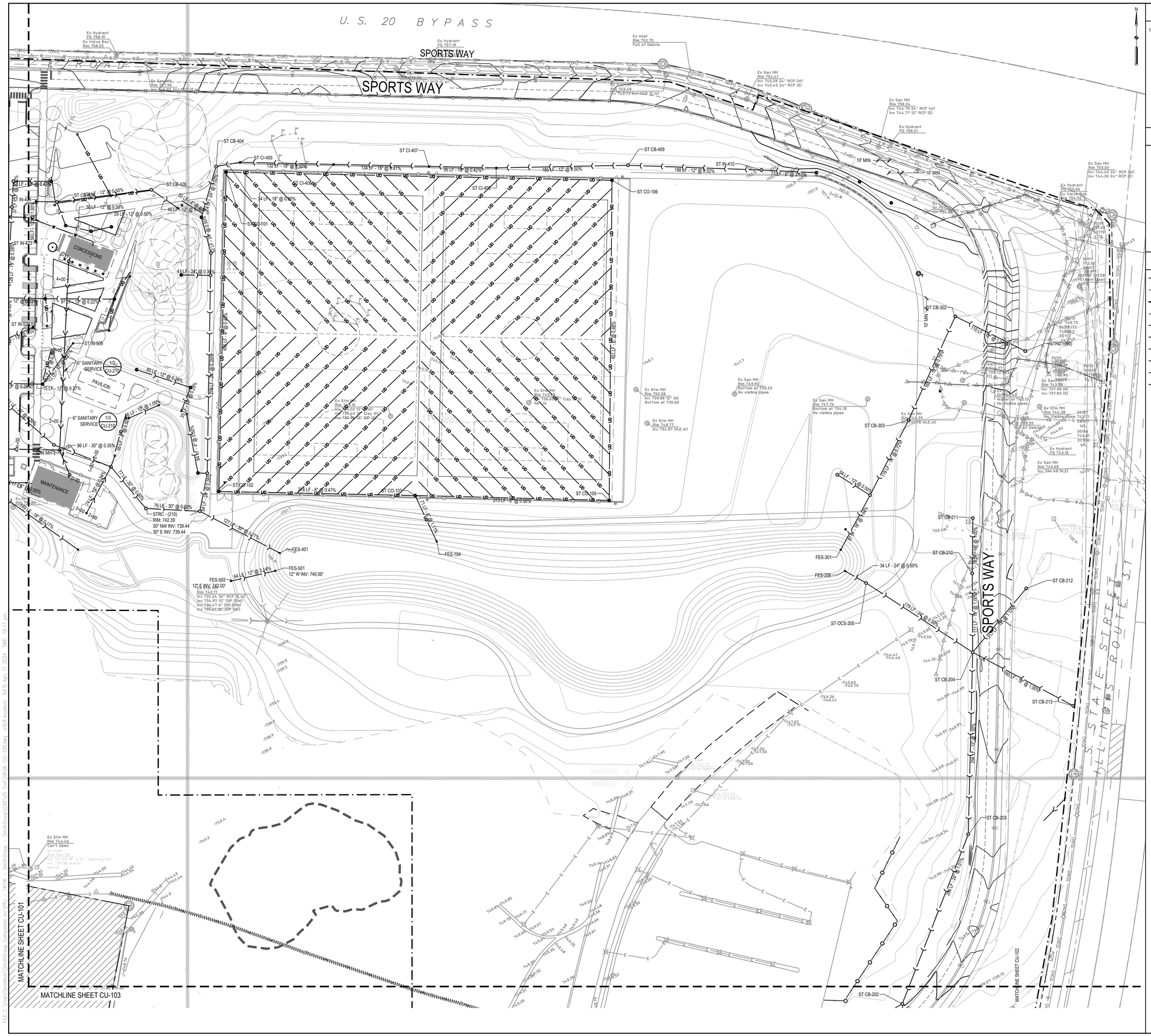
SCALE: 1" = 50'

SCALE

PROJECT NUMBER 14106

DRAWING NUMBER CU-101

FILE:C:\Users\kondacki\SmithGroup Companies Inc\PRJ - 14106 - SmithGroup - SmithGroup\CAD\05 Civil\14106-C01-100.dwg USER: kondacki DATE: Apr. 11, 2024 TIME: 10:16 pm



SHEET NOTES

1. SEE SHEET CU-100 FOR GENERAL UTILITY NOTES

KEYED NOTES

LEGEND

- PROPERTY LINE
- WETLAND BOUNDARY
- LIMIT OF CONSTRUCTION
- STORMWATER MANAGEMENT AREA
- SANITARY SEWER
- FORCE MAIN
- STORM SEWER
- COMBINED SEWER
- UNDERDRAIN
- FLATDRAIN
- CLEANOUT
- YARD DRAIN/ROUND INLET
- FLARED END SECTION
- FIRE HYDRANT ASSEMBLY
- SANITARY MANHOLE
- STORM STRUCTURE
- CURB INLET
- SQUARE INLET
- LIFT STATION

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

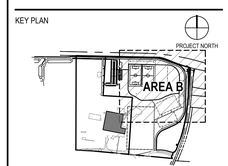
SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN



DRAWING TITLE

UTILITY PLAN - AREA B

SCALE: 1" = 50'

SCALE

PROJECT NUMBER 14106

DRAWING NUMBER CU-102

CALL J.U.L.I.E. 1-800-892-0123
48 Hours (2 working days) Before You Dig.

SHEET NOTES

1. SEE SHEET CU-100 FOR GENERAL UTILITY NOTES

KEYED NOTES

LEGEND

- PROPERTY LINE
- WETLAND BOUNDARY
- LIMIT OF CONSTRUCTION
- STORMWATER MANAGEMENT AREA
- SANITARY SEWER
- FORCE MAIN
- STORM SEWER
- COMBINED SEWER
- UNDERDRAIN — 3:34 / CU-503
- FLATDRAIN — 2 / CU-503
- CLEANOUT — 1:31 / CU-503
- YARD DRAIN/ROUND INLET — 2 / CU-504
- FLARED END SECTION — 2:11 / CU-501
- FIRE HYDRANT ASSEMBLY — 1:11 / CU-503
- SANITARY MANHOLE — 1:22 / CU-503
- STORM STRUCTURE — 1 / CU-503; 1:31 / CU-503; 1:33 / CU-503
- CURB INLET
- SQUARE INLET — 1 / CU-503; 2 / CU-505
- LIFT STATION

CALL J.U.L.I.E. 1-800-892-0123
48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

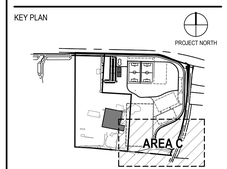
SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN



DRAWING TITLE
UTILITY PLAN - AREA C

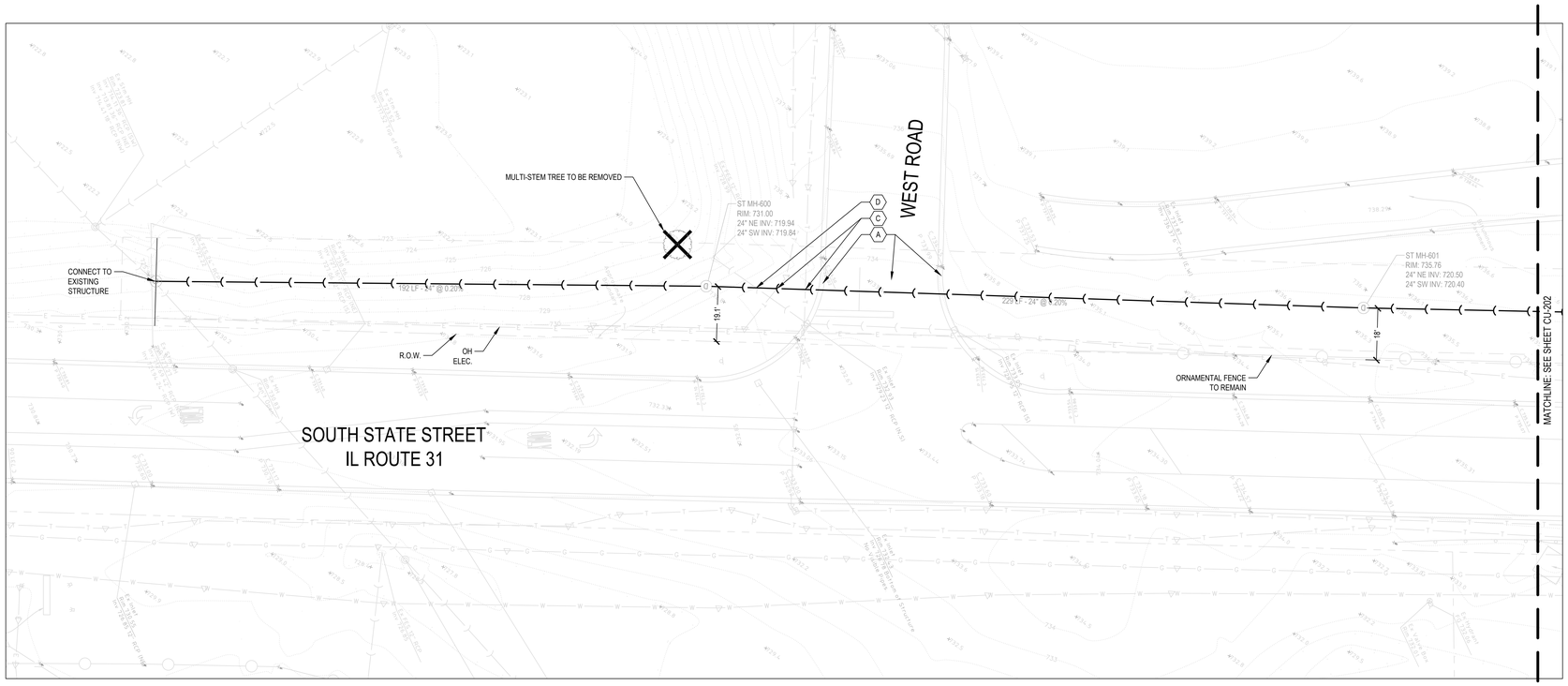
0' 20' 50' 100'
SCALE: 1" = 50'

SCALE

PROJECT NUMBER 14106

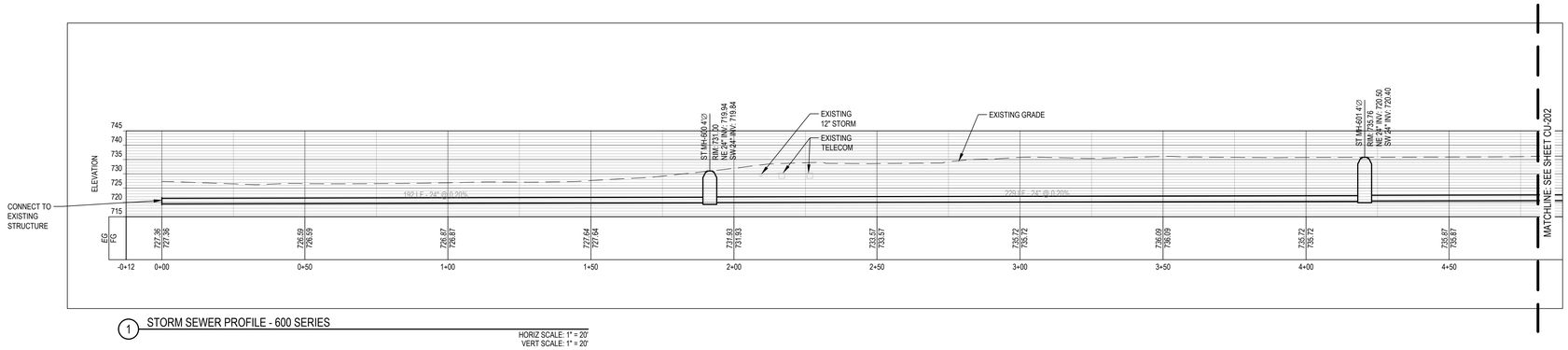
DRAWING NUMBER CU-103

FILE C:\Users\kzydesk3\SmithGroup Companies Inc\PRJ - 14106 - SmithGroup - SmithGroup\CAD\05 Civil\14106-CU-100.dwg USER: kzydesk3 DATE: Apr 11 2024 TIME: 10:17 pm



1 STORM SEWER PLAN - 600 SERIES

SCALE: 1" = 20'



1 STORM SEWER PROFILE - 600 SERIES

HORIZ SCALE: 1" = 20'
VERT SCALE: 1" = 20'

SHEET NOTES

1. SEE SHEET CS-100 FOR LAYOUT AND MATERIALS NOTES.

KEYED NOTES

A. REMOVE AND REPLACE CURB, GUTTER AND ROAD PAVING TO LIKE CONDITIONS.

B. PROTECT EXISTING WATER LINE AT CROSSING WITH PROPOSED STORM SEWER. VERIFY MINIMUM 18 INCH SEPARATION FROM BOTTOM OF WATER TO TOP OF SEWER.

C. PROTECT EXISTING UTILITY AT CROSSING WITH PROPOSED STORM SEWER. VERIFY MINIMUM 6 INCH CLEARANCE.

D. REMOVE, SALVAGE AND REINSTALL STORM LINE TO LIKE CONDITIONS.

LEGEND

SAWCUT FULL DEPTH AT LIMITS WHERE PAVEMENT IS TO REMAIN.

APPROXIMATE LIMITS OF DISTURBANCE FOR SEWER INSTALLATION. FINAL LIMITS PER OSHA OPEN CUT TRENCH REQUIREMENTS. REMOVE AND REPLACE LAWN WITH MINIMUM 6 INCH TOPSOIL.

CALL J.U.L.I.E. 1-800-892-0123
48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

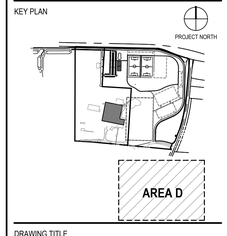
SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN



DRAWING TITLE

STORM SEWER PLAN AND PROFILE

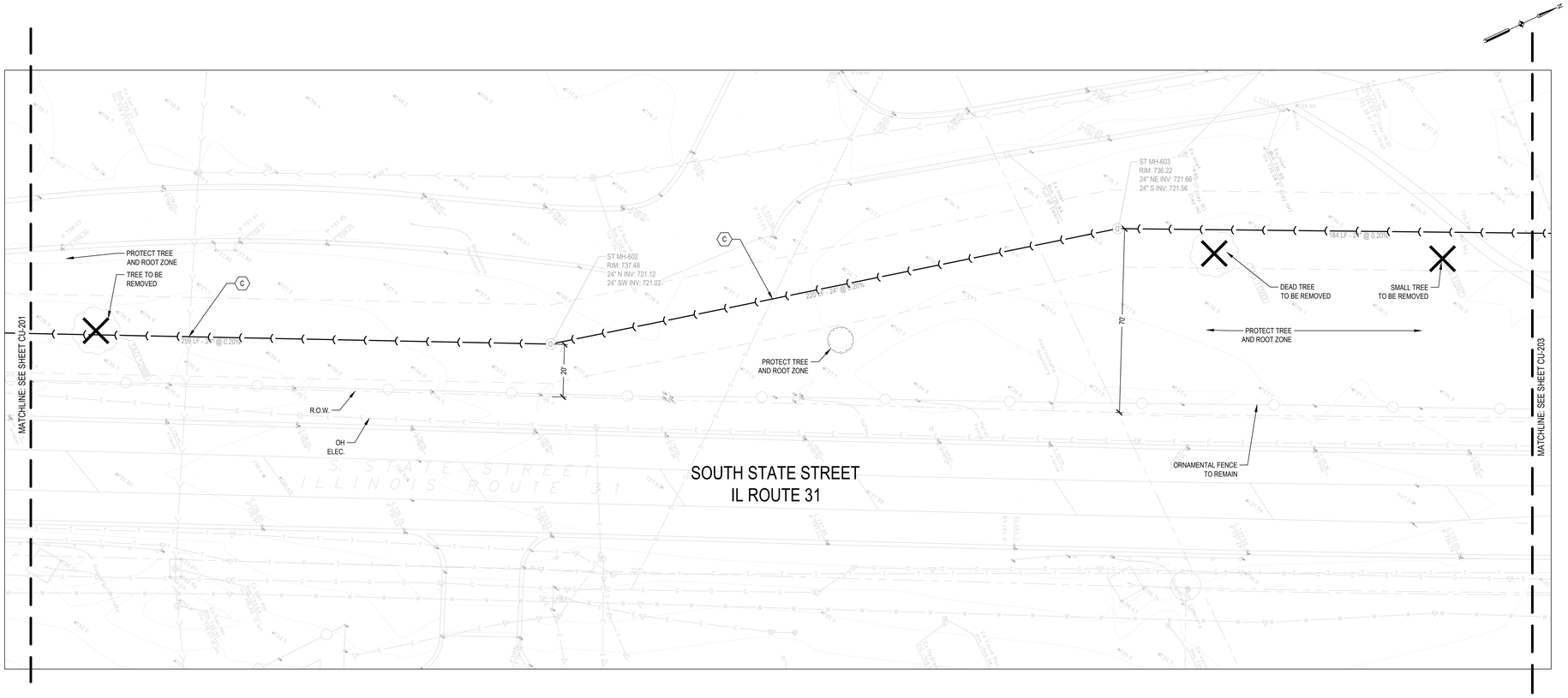
0' 10' 20' 40'
SCALE: 1" = 20'

SCALE

PROJECT NUMBER 14106

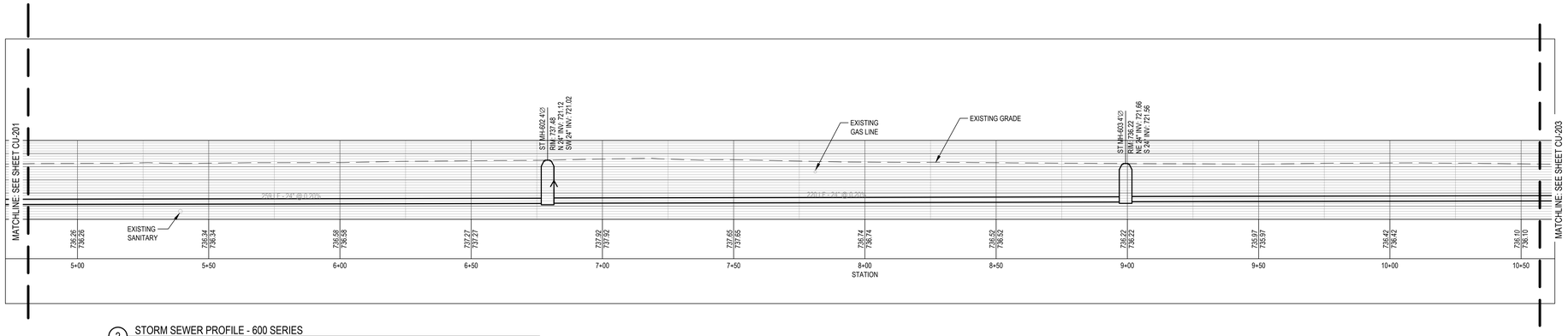
DRAWING NUMBER CU-201

FILE: C:\Users\kwodecki\SmithGroup Companies Inc\PRJ - 14106 - SmithGroup - SmithGroup\CAD\05 Civil\14106-CU-200.dwg USER: kwodecki DATE: Apr 11, 2024 TIME: 10:19 am



2 STORM SEWER PLAN - 600 SERIES

SCALE: 1" = 20'



2 STORM SEWER PROFILE - 600 SERIES

HORIZ SCALE: 1" = 20'
VERT SCALE: 1" = 20'

SHEET NOTES

1. SEE SHEET CS-100 FOR LAYOUT AND MATERIALS NOTES.

KEYED NOTES

A. REMOVED AND REPLACE CURB AND GUTTER TO LIKE CONDITIONS.

B. PROTECT EXISTING WATER LINE AT CROSSING WITH PROPOSED STORM SEWER. VERIFY MINIMUM 18 INCH SEPARATION FROM BOTTOM OF WATER TO TOP OF SEWER.

C. PROTECT EXISTING UTILITY AT CROSSING WITH PROPOSED STORM SEWER. VERIFY MINIMUM 6 INCH CLEARANCE.

D. REMOVE, SALVAGE AND REINSTALL STORM LINE TO LIKE CONDITIONS.

LEGEND

SAWCUT FULL DEPTH AT LIMITS WHERE PAVEMENT IS TO REMAIN.

APPROXIMATE LIMITS OF DISTURBANCE FOR SEWER INSTALLATION. FINAL LIMITS PER OSHA OPEN CUT TRENCH REQUIREMENTS. REMOVE AND REPLACE LAWN WITH MINIMUM 6 INCH TOPSOIL.

CALL J.U.L.I.E. 1-800-892-0123
48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

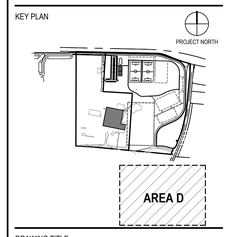
SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN



DRAWING TITLE

STORM SEWER PLAN AND PROFILE

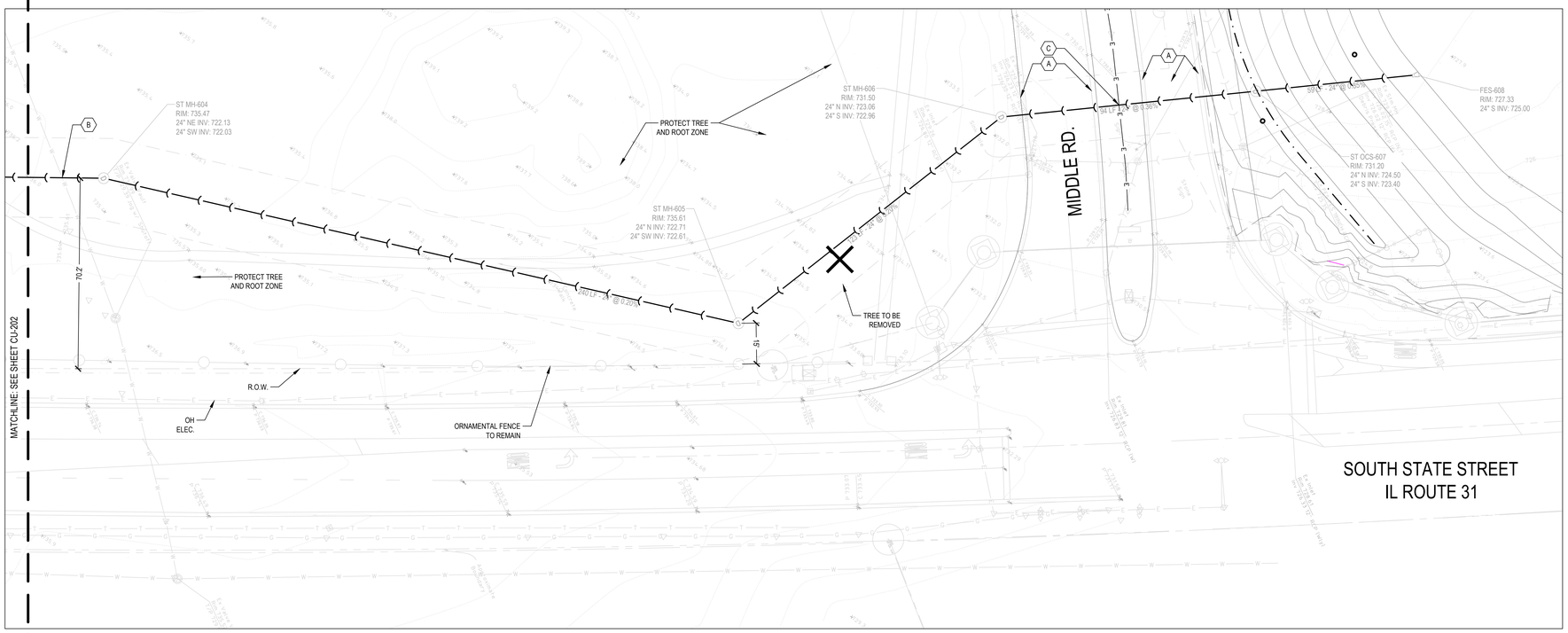
0' 10' 20' 40'
SCALE: 1" = 20'

SCALE

PROJECT NUMBER 14106

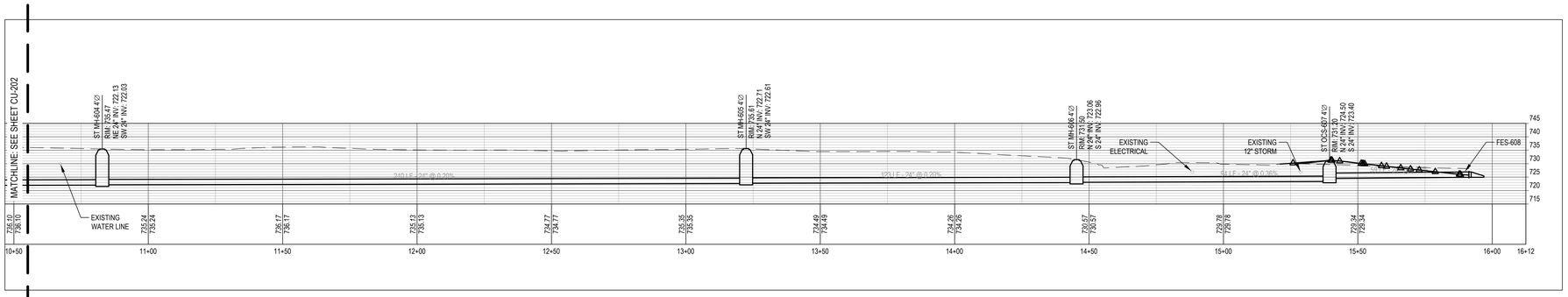
DRAWING NUMBER CU-202

FILE: C:\Users\kpodesk\SmithGroup Companies Inc\PBL - 14106 - SmithGroup - SmithGroup\CAD\05 Civil\14106-CU-200.dwg USER: kpodesk DATE: Apr 11 2024 TIME: 10:21 am



3 STORM SEWER PLAN - 600 SERIES

SCALE: 1" = 20'



3 STORM SEWER PROFILE - 600 SERIES

HORIZ SCALE: 1" = 20'
VERT SCALE: 1" = 20'

SHEET NOTES

1. SEE SHEET CS-100 FOR LAYOUT AND MATERIALS NOTES.

KEYED NOTES

A. REMOVE AND REPLACE CURB, GUTTER AND ROAD PAVING TO LIKE CONDITIONS.

B. PROTECT EXISTING WATER LINE AT CROSSING WITH PROPOSED STORM SEWER. VERIFY MINIMUM 18 INCH SEPARATION FROM BOTTOM OF WATER TO TOP OF SEWER.

C. PROTECT EXISTING UTILITY AT CROSSING WITH PROPOSED STORM SEWER. VERIFY MINIMUM 6 INCH CLEARANCE.

D. REMOVE, SALVAGE AND REINSTALL STORM LINE TO LIKE CONDITIONS.

LEGEND

SAWCUT FULL DEPTH AT LIMITS WHERE PAVEMENT IS TO REMAIN.

APPROXIMATE LIMITS OF DISTURBANCE FOR SEWER INSTALLATION. FINAL LIMITS PER OSHA OPEN CUT TRENCH REQUIREMENTS. REMOVE AND REPLACE LAWN WITH MINIMUM 6 INCH TOPSOIL.

CALL J.U.L.I.E. 1-800-892-0123
48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

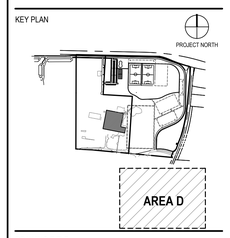
SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN



DRAWING TITLE
STORM SEWER PLAN AND PROFILE

SCALE: 1" = 20'

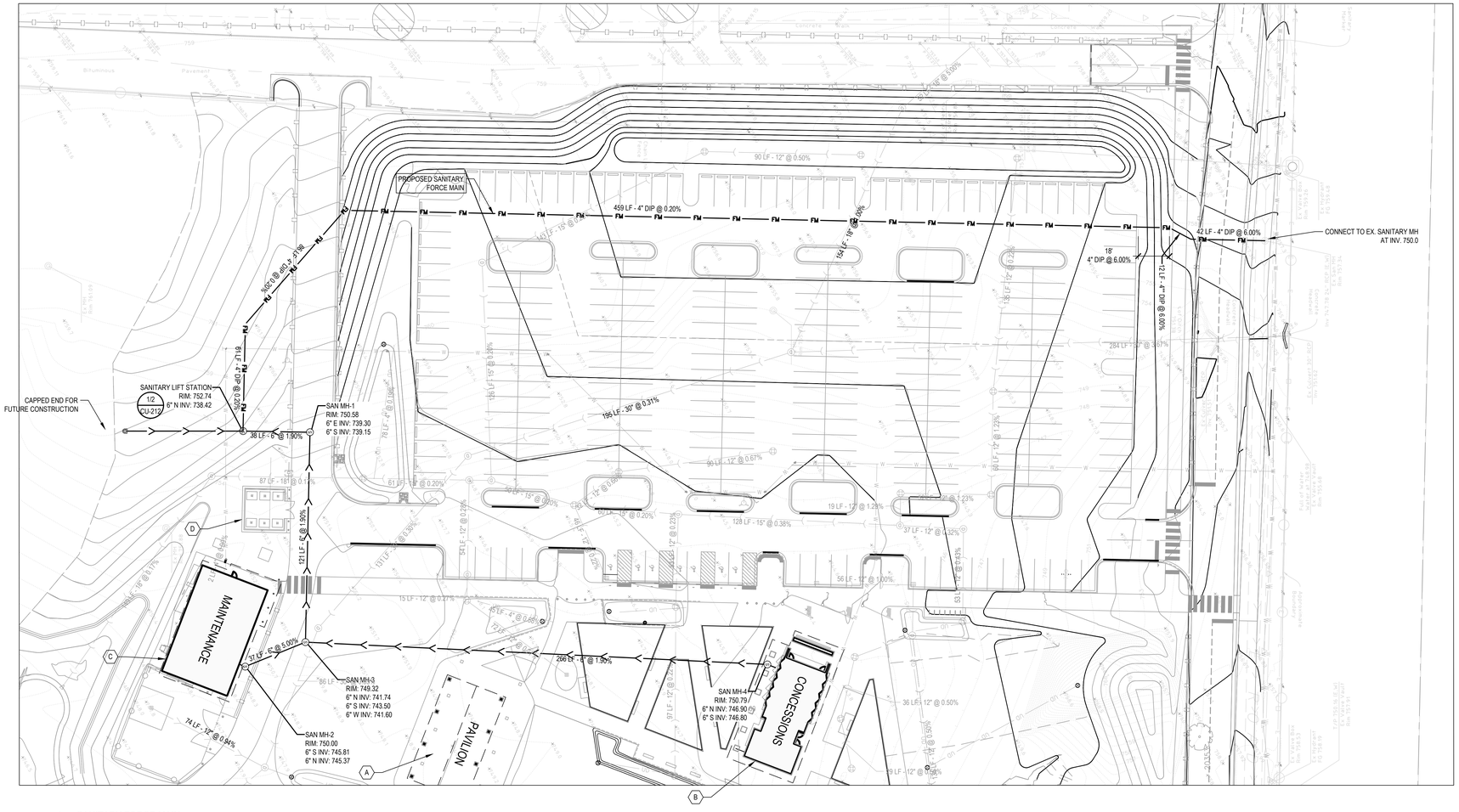
SCALE 14106

PROJECT NUMBER

CU-203

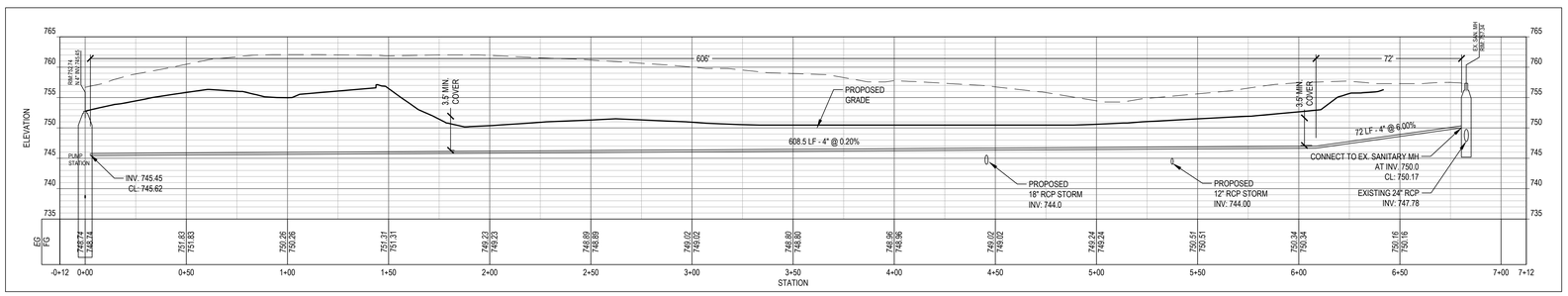
DRAWING NUMBER

FILE: C:\Users\kroderick3\SmithGroup Companies Inc\PRJ – 14106 – SmithGroup – SmithGroup\CAD\05 Civil\14106-C1-203.dwg USER: kroderick3 DATE: Apr. 11, 2024 TIME: 10:23 am



1 SANITARY FORCE MAIN

SCALE: 1" = 30'



2 SANITARY FORCE MAIN - LIFT STATION TO MAIN CONNECTION

HORIZ SCALE: 1" = 30'
VERT SCALE: 1" = 10'

SHEET NOTES

1. SEE SHEET G-101 FOR CITY OF ELGIN GENERAL NOTES.
2. SEE SHEET CU-212 FOR FOX RIVER WATER RECLAMATION DISTRICT (FRWRD) GENERAL NOTES.

KEYED NOTES

- A PROPOSED SHELTER PAVILLION
- B PROPOSED CONCESSIONS BUILDING
- C PROPOSED MAINTENANCE BUILDING
- D PROPOSED TRASH ENCLOSURE

LEGEND

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

J
H
L

Owner:

ELGIN
THE CITY IN THE SUBURBS

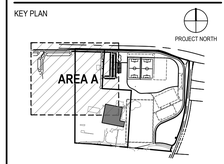
SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN



DRAWING TITLE

SANITARY SEWER PLAN AND PROFILE

0' 10' 20' 40'

SCALE: 1" = 20'

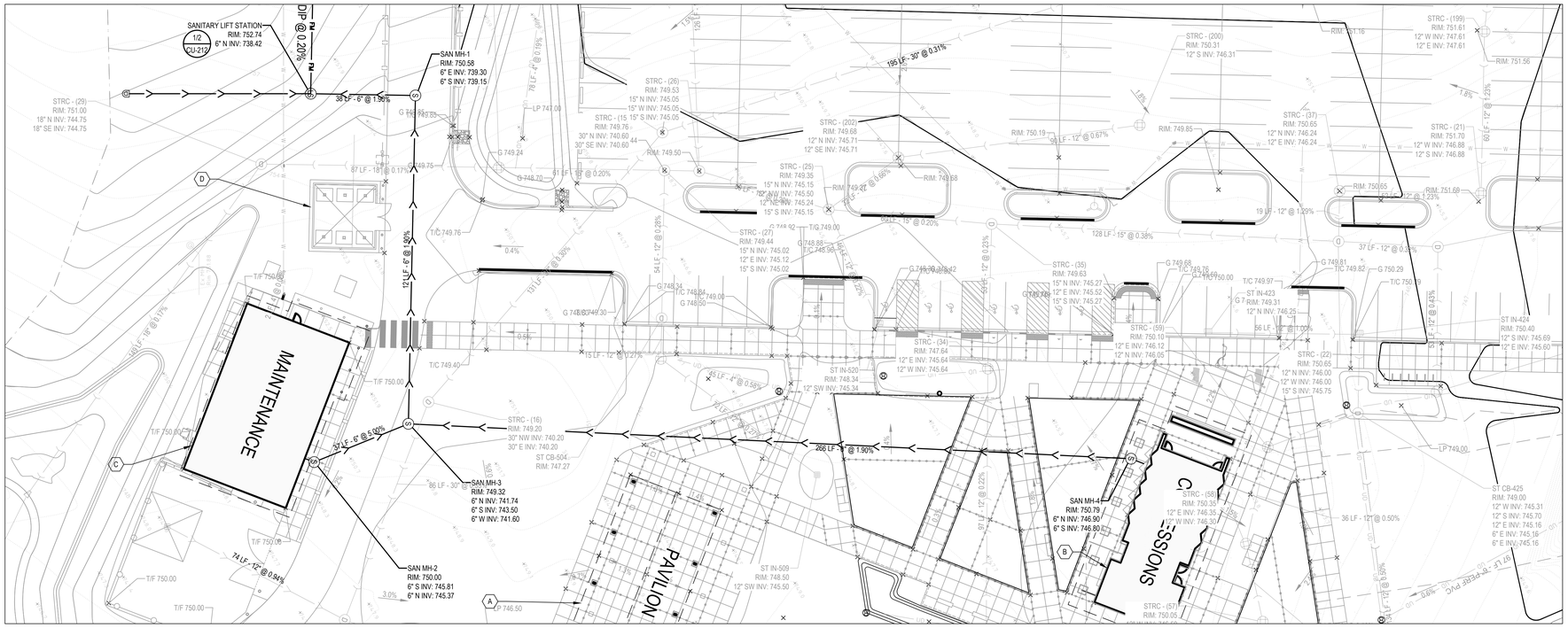
SCALE

PROJECT NUMBER 14106

DRAWING NUMBER CU-204

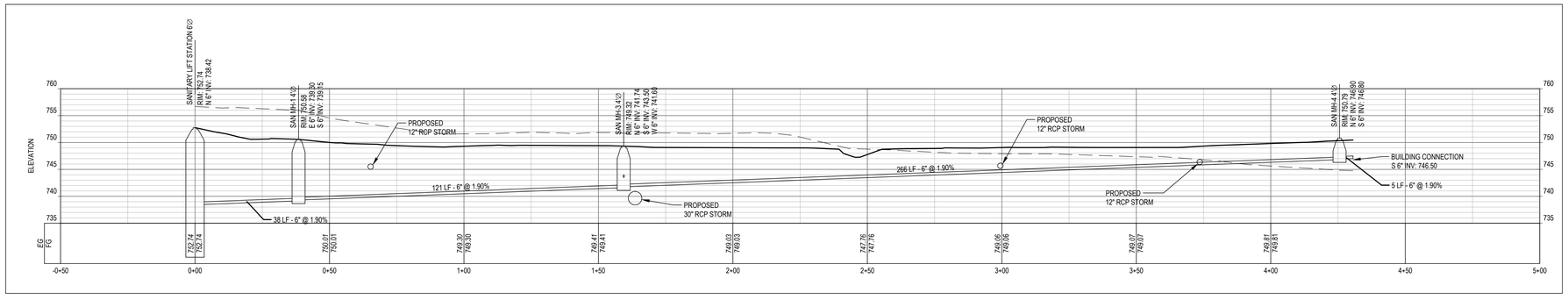
CALL J.U.L.I.E. 1-800-892-0123 48 Hours (2 working days) Before You Dig.

FILE:C:\Users\krodeck3\SmithGroup Companies Inc\PRJ - 14106 - SmithGroup\CAD\05 Civil\14106-CU-200.dwg USER:krodeck3 DATE:Apr 11 2024 TIME: 10:24 am



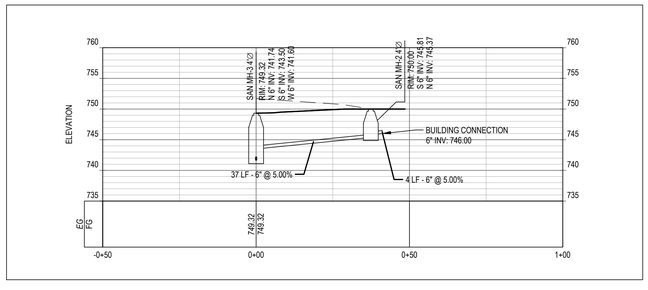
1 SANITARY SERVICE

SCALE: 1" = 20'



2 SANITARY SERVICE - LIFT STATION TO CONCESSIONS BUILDING

HORIZ SCALE: 1" = 20'
VERT SCALE: 1" = 20'



3 SANITARY SERVICE - MH-2 TO MAINTENANCE BUILDING

HORIZ SCALE: 1" = 20'
VERT SCALE: 1" = 20'

SHEET NOTES

1. SEE SHEET G-101 FOR CITY OF ELGIN GENERAL NOTES.
2. SEE SHEET CU-212 FOR FOX RIVER WATER RECLAMATION DISTRICT (FRWRD) GENERAL NOTES.

KEYED NOTES

- A PROPOSED SHELTER PAVILLION
- B PROPOSED CONCESSIONS BUILDING
- C PROPOSED MAINTENANCE BUILDING
- D PROPOSED TRASH ENCLOSURE

LEGEND

CALL J.U.L.I.E. 1-800-892-0123
48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

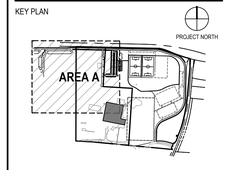
SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN



DRAWING TITLE

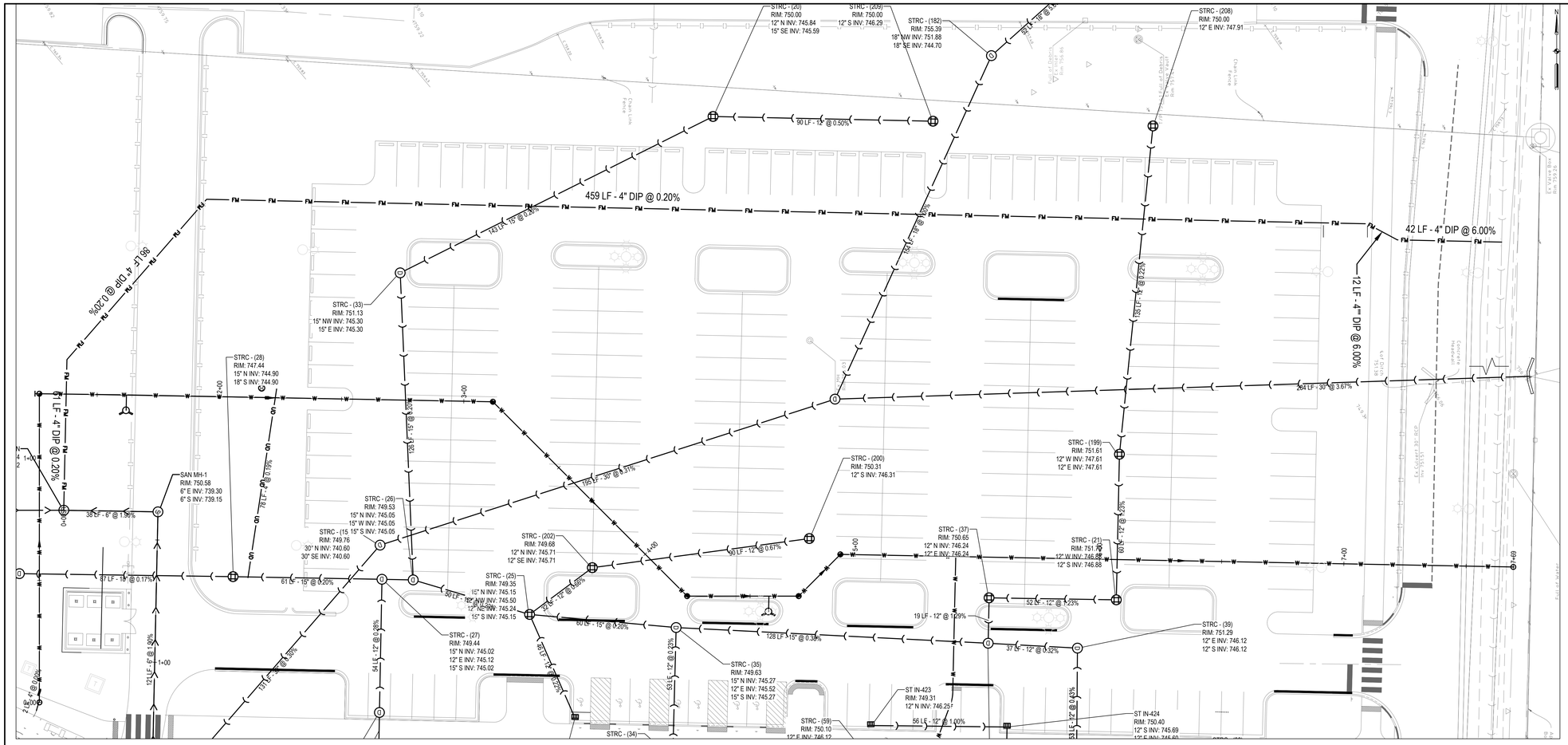
SANITARY SEWER PLAN AND PROFILE

SCALE: 1" = 20'

SCALE

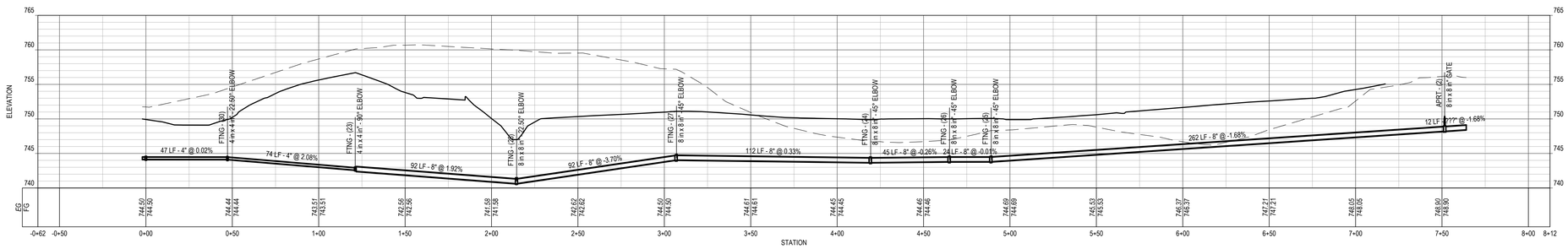
PROJECT NUMBER 14106

DRAWING NUMBER CU-205



1 WATER MAIN PLAN VIEW

SCALE: 1" = 20'



1 WATER MAIN PROFILE VIEW

SCALE: 1" = 30'

SHEET NOTES

1. SEE SHEET CS-100 FOR LAYOUT AND MATERIALS NOTES.

KEYED NOTES

- A PROPOSED PLAYGROUND ADD ALTERNATE
- B PROPOSED PUBLIC BUILDING, SEE SHEET A-100 FOR ARCHITECTURAL PROGRAM NARRATIVE
- C PROPOSED MAINTENANCE BUILDING, SEE SHEET A-100 FOR ARCHITECTURAL PROGRAM NARRATIVE
- D PROPOSED MAINTENANCE YARD

LEGEND

PROPERTY LINE		
WETLAND BOUNDARY		
LIMIT OF CONSTRUCTION		
STORMWATER MANAGEMENT AREA		
SANITARY SEWER		
FORCE MAIN		
STORM SEWER		
COMBINED SEWER		3.34 / CU-502
UNDERDRAIN		2 / CU-503
FLATDRAIN		2 / CU-504
CLEANOUT		1.31 / CU-505
YARD DRAIN/ROUND INLET		2.11 / CU-506
FLARED END SECTION		1.11 / CU-506
FIRE HYDRANT ASSEMBLY		1.22 / CU-506
SANITARY MANHOLE		1.31 / CU-506
STORM STRUCTURE	1 / CU-505	1.33 / CU-506
CURB INLET		
SQUARE INLET	1 / CU-505	2 / CU-505

CALL J.U.L.I.E. 1-800-892-0123
48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

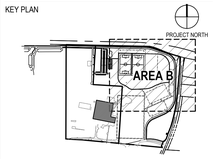
SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN



DRAWING TITLE
WATER MAIN PLAN AND PROFILE

0' 10' 20' 40'
SCALE: 1" = 20'

SCALE

PROJECT NUMBER 14106

DRAWING NUMBER CU-206

FILE: C:\Users\kroderick\SmithGroup Companies Inc\PRJ - 14106 - SmithGroup - SmithGroup\CAD\05 Civil\14106-CU-400.dwg USER: kroderick DATE: Apr 11, 2024 TIME: 10:28 am

FRWRD - MINIMUM PROJECT SPECIFICATION REQUIREMENTS

1. THE PROPOSED IMPROVEMENTS SHALL BE CONSTRUCTED ACCORDING TO THE ORDINANCE AND REQUIREMENTS OF THE "STATE STANDARD SPECIFICATION FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" CURRENT EDITION, AND THE FOX RIVER WATER RECLAMATION DISTRICT.
2. THE CONTRACTOR SHALL NOTIFY THE FOX RIVER WATER RECLAMATION DISTRICT 48 HOURS PRIOR TO START OF THE CONSTRUCTION TO ARRANGE FOR APPROPRIATE CONSTRUCTION INSPECTION .
3. THE FOX RIVER WATER RECLAMATION DISTRICT SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION IMPROVEMENTS.
4. THE CONTRACTOR(S) SHALL INDEMNIFY THE FOX RIVER WATER RECLAMATION DISTRICT, THEIR AGENTS ETC. , FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION AND TESTING OF THIS WORK ON THIS PROJECT.
5. THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERING PLANS AS APPROVED BY THE FRWRD .
6. SANITARY MANHOLE FRAMES SHALL BE NEENAH R-1772 WITH TYPE B SELF-SEALING RUBBER GASKET COVER WITH CONCEALED PICK HOLES OR EQUAL WITH THE WORD "SANITARY" CAST IN THE COVER.
7. THE EXTERIOR OF THE PROPOSED MANHOLES SHALL BE WATERPROOFED WITH A BITUMASTIC MATERIAL AS PER FRWRD ORDINANCE NO. 323, ARTICLE 4, SECTION 16.
8. ALL JOINTS BETWEEN PRE-CAST ELEMENTS, ADJUSTING RINGS AND MANHOLE FRAMES ON ALL UNDERGROUND STRUCTURES, SHALL BE SET IN PLACE WITH ONE OF THE FOLLOWING BUTYL RUBBER JOINT SEALANTS:
   CONCRETE PROJECTS SUPPLY CO. - EZ STIK8
   HAMILTON-KENT GASKET CO. - KENT SEAL
   OR EQUAL, AS APPROVED BY THE DISTRICT ENGINEER, AND ALL JOINTS TO BE TUCKPOINTED WITH HYDRAULIC CEMENT OR MORTAR WITH A BRUSH FINISH. ALL JOINTS BETWEEN ADJUSTING RINGS , AND MANHOLE FRAMES TUCKPOINTED WITH HYDRAULIC CEMENT OR MORTAR WILL NOT BE ACCEPTED BY FRWRD.
9. ALL SANITARY SEWER MANHOLES SHALL BE CONSTRUCTED WITH FLEXIBLE MANHOLE COUPLING, AS MANUFACTURED BY INTERPACE CORPORATION (LOCKJOINT FLEXIBLE MANHOLE SLEEVE) , PRESS-SEAL GASKET CORPORATION (PRESS WEDGE II) , OR EQUAL AS APPROVED BY THE DISTRICT ENGINEER. ALL MATERIALS AND INSTALLATION PROCEDURES SHALL COMPLY WITH THOSE SPECIFIED BY THE MANUFACTURER.
10. A WATER-TIGHT PERMANENT MASONRY BULKHEAD SHALL BE INSTALLED IN THE DOWNSTREAM SEWER PIPE AT THE POINT OF SEWER CONNECTION PRIOR TO COMMENCING ANY SEWER CONSTRUCTION . THE BULKHEAD SHALL REMAIN IN PLACE UNTIL REMOVAL IS AUTHORIZED BY THE FOX RIVER WATER RECLAMATION DISTRICT AFTER THE SANITARY SEWERS HAVE BEEN TESTED AND ACCEPTED.
11. THE CONTRACTOR SHALL TAKE MEASURES TO PREVENT ANY UNPOLLUTED WATER SUCH AS GROUND AND SURFACE WATER FROM ENTERING THE EXISTING SANITARY SEWERS .
12. THE CONTRACTOR SHALL BE PROHIBITED FROM DISCHARGING ANY UNPOLLUTED WATER INTO THE SANITARY SEWER SYSTEM FOR THE PURPOSE OF SEWER FLUSHING OR FLOATING LINES FOR THE DEFLECTION TEST WITHOUT PRIOR APPROVAL FROM THE FOX RIVER WATER RECLAMATION DISTRICT.
13. ALL SEWERS, INCLUDING TRUNK LINE SEWERS AND LATERAL SEWERS, THAT WILL DISCHARGE SEWAGE FOR TREATMENT BY THE FOX RIVER WATER RECLAMATION DISTRICT, SHALL BE INSTALLED UNDER THE SUPERVISION OF A FULL TIME RESIDENT ENGINEER. NO WORK SHALL BE DONE IN THE ABSENCE OF THE RESIDENT ENGINEER.
14. THE DISTRICT SHALL HAVE THE RIGHT TO APPROVE THE SELECTION OF A RESIDENT ENGINEER. THE DISTRICT SHALL HAVE THE RIGHT TO REQUEST A SUBSTITUTE RESIDENT ENGINEER IN THE EVENT OF UNSATISFACTORY PERFORMANCE BY THE RESIDENT ENGINEER.
15. THE RESIDENT ENGINEER ON ANY SEWER CONSTRUCTION PROJECT SHALL PROVIDE THE DISTRICT WITH DAILY REPORTS NO LESS THAN EVERY TWO (2) WEEKS.
16. ALL NEW SANITARY SEWERS SHALL BE PRESSURE TESTED TO THE PROCEDURE OUTLINED IN THE "SPECIFICATIONS FOR LOW PRESSURE AIR TESTS OF THE SANITARY SEWERS" AVAILABLE AT THE FOX RIVER WATER RECLAMATION DISTRICT OFFICE. THE DISTRICT MAY REQUIRE SUCH OTHER TEST AS CONDITIONS MAY REQUIRE.
17. THE COST OF PROVIDING RESIDENT ENGINEERING AND PRESSURE TESTING SHALL BE BORNE BY THE OWNER OR DEVELOPER.
18. THE FOX RIVER WATER RECLAMATION DISTRICT MUST BE FURNISHED A COMPLETE SET OF CONSTRUCTION RECORD DRAWINGS OF THE SANITARY SEWERS CONSTRUCTED FOR A PROJECT WITHIN 60 DAYS OF COMPLETION OF THE SEWERS.
19. SANITARY SEWER MANHOLES WITH INTERNAL DROPS TWO FEET OR LESS SHALL HAVE A PRECAST CONCRETE TROUGH BUILT IN THE STRUCTURE TO OBTAIN A SMOOTH FLOW TRANSITION FROM THE UPSTREAM PIPE INVERT TO THE DOWNSTREAM PIPE INVERT .
20. ALL MANHOLES AND STRUCTURES SHALL BE CLEANED OF ANY ACCUMULATION OF SILT, DEBRIS, OR FOREIGN MATTER OF ANY KIND, AND SHALL BE FREE FROM SUCH ACCUMULATIONS AT THE TIME OF FINAL INSPECTION. ALL MANHOLES AND STRUCTURES SHALL BE INSPECTED BY THE FRWRD PRIOR TO ACCEPTANCE.

Fox River **Water Reclamation** District Minimum Requirements for Manhole Structures

1. Sanitary manhole lid must have concealed pick holes and have the word "SANITARY" stamped in the cover with an intact rubber gasket seal.

2. The frame lip shall be cleaned of all mud and debris to provide a watertight seal between the frame and the manhole cover gasket.

3. In **non-paved** areas - ***ONLY*** butyl rubber joint sealant shall be used between all joints, adjusting rings and manhole frames.

4. In **paved** areas - all sanitary structures are to be adjusted with a full mortar bed along with a six inch minimum concrete collar encasing the frames, all adjusting rings, and the top three inches of the cone or down to the flat top.

5. All steps must be installed, aligned and clean.

6. The barrel section joints **must be** tuckpointed with hydraulic cement or mortar with a brush finish.

7. All pinholes must be mortared with a brush finish to provide a watertight seal.

8. The upstream and downstream pipe cavities must be filled with mortar and smoothed with a brush finish.

9. The upstream and downstream flow lines (inverts) shall have a smooth transition from the pipe to the manhole invert.

10. All manhole structures shall be free of any type of infiltration (water leaking into the structure).

11. If there is an internal drop in the structure there must be a smooth transition from the pipe to the invert (i.e. channel the flow from the pipe to the manhole invert).

12. All manholes shall be cleaned of any accumulation of silt, debris, or foreign matter of any kind, and shall be free from such accumulations at the time of final inspection.

13. Manholes in the parkway shall have a final frame elevation which is curb height or higher.

SHEET NOTES

1. SEE SHEET CS-100 FOR LAYOUT AND MATERIALS NOTES.

KEYED NOTES

LEGEND

CALL J.U.L.I.E. 1-800-892-0123
48 Hours (2 working days) Before You Dig.

ELGIN SPORTS COMPLEX EXPANSION

475 Sports Way,
Elgin, Illinois 60123

VOLUME 1 OF 2

Owner:

ELGIN
THE CITY IN THE SUBURBS

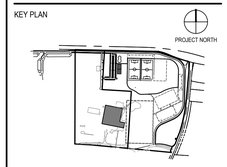
SMITHGROUP
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

HPZS
314 W INSTITUTE PL
SUITE 1E
CHICAGO, IL 60610
312.944.9600
www.hpzs.com

ISSUED FOR	REV	DATE
ISSUE FOR BID	1	04/11/2024

SEALS AND SIGNATURES

KEY PLAN



DRAWING TITLE
FRWRD PLAN NOTES

0' 10' 20' 40'
SCALE: 1" = 20'

SCALE

PROJECT NUMBER 14106

DRAWING NUMBER CU-207

FILE:C:\Users\kcrabeck\SmithGroup Companies Inc\PRJ - 14106 - SmithGroup - CAD\05 Civil\14106-CU-200.dwg USER:kcrabeck DATE:Apr 11 2024 TIME: 10:29 pm