GRAPHIC SCALE

0 10 20 40

1" = 20'

ADJ

ADJ

FIRE HYDRANT TO BE RELOCATED

MATCHLINE SEE SHEET 2 OF 2

FLAG POLES TO BE REMOVED AND SALVAGED
OWNER TO INSTALL IN NEW LOCATION

ADJ

FIRE HYDRANT TO BE REMOVED
CUT AND CAP EXISTING WATER MAIN

ADDISON RD

REMOVAL LEGEND

- PAVEMENT REMOVAL 4" AND FULL CURB AND GUTTER REMOVAL
- CART PATH REMOVAL AND SIDEWALK REMOVAL
  CURB AND GUTTER REMOVAL
  STAIR REMOVAL
  BRICK PAVER REMOVAL
- ITEM REMOVAL
- BRICK PAVEMENT REMOVAL 4" *
  AGGREGATE BASE REMOVAL *
  CURB AND GUTTER REMOVAL
- ASPHALT PAVEMENT REMOVAL 4"
  AGGREGATE BASE REMOVAL
  CURB AND GUTTER REMOVAL
- LINEAR ITEM REMOVAL
- ADJ — ADJUST STRUCTURE WITH NEW FRAME

* INCLUDED IN SIDEWALK REMOVAL

REVISIONS

NO.	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 11/8/2024

NO.	DATE	DESCRIPTION
1	11/22/24	90% SET FOR REVIEW BY FPD
2	01/17/25	REVISED PER COUNTY COMMENTS
3	02/20/25	BID SET

PROJECT NO. 240265

PROJECT MANAGER: JH

DESIGNED BY: CW

DRAWN BY: DP

MAPLE MEADOWS GOLF COURSE RENOVATION
REMOVAL PLAN

WOOD DALE ILLINOIS

7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

DRAWING NO.

C6.0

GRAPHIC SCALE

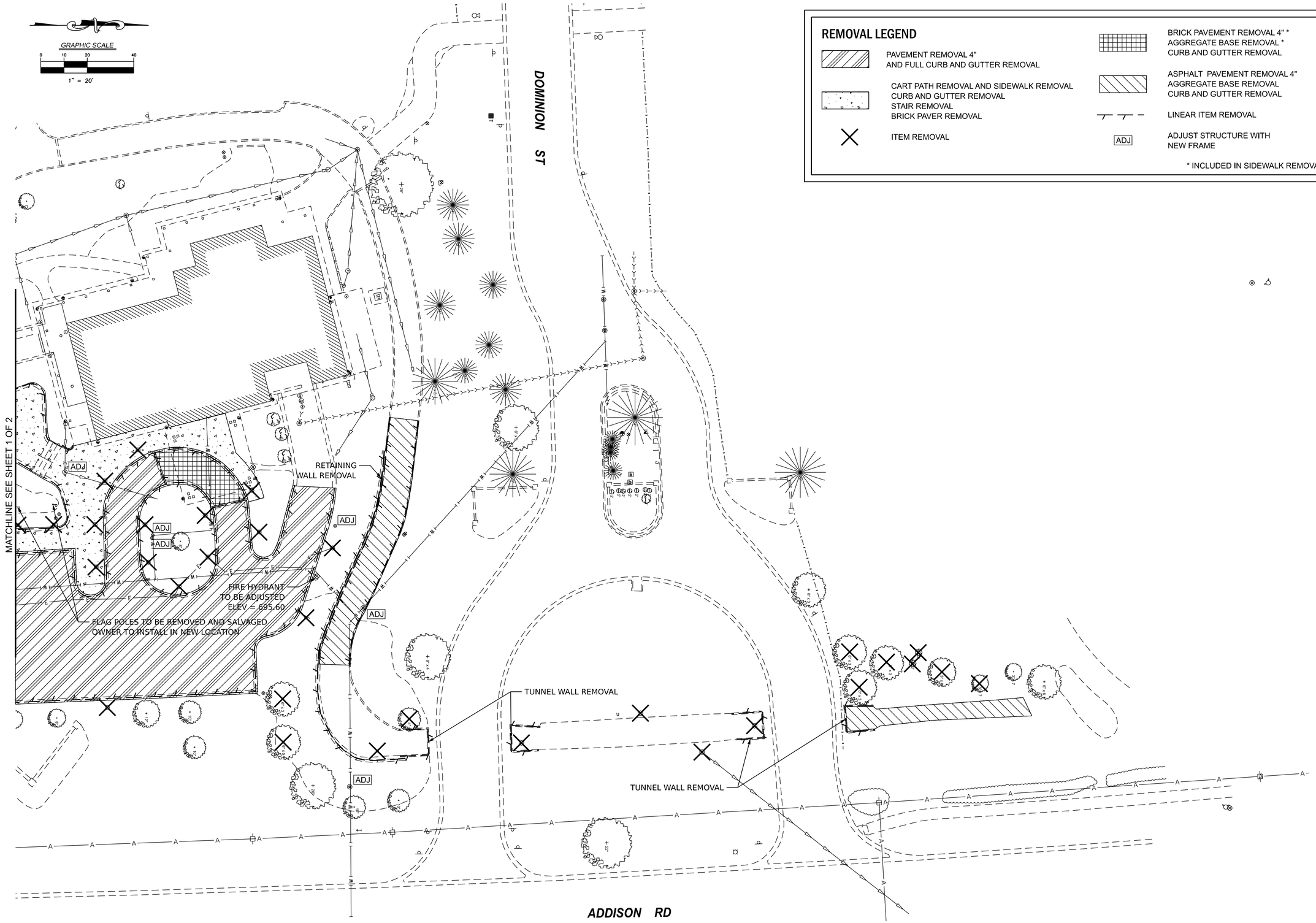
0 10 20 40

1" = 20'

REMOVAL LEGEND

- PAVEMENT REMOVAL 4" AND FULL CURB AND GUTTER REMOVAL
- CART PATH REMOVAL AND SIDEWALK REMOVAL
  CURB AND GUTTER REMOVAL
  STAIR REMOVAL
  BRICK PAVER REMOVAL
- ITEM REMOVAL
- BRICK PAVEMENT REMOVAL 4" *
  AGGREGATE BASE REMOVAL *
  CURB AND GUTTER REMOVAL
- ASPHALT PAVEMENT REMOVAL 4"
  AGGREGATE BASE REMOVAL
  CURB AND GUTTER REMOVAL
- LINEAR ITEM REMOVAL
- ADJ — ADJUST STRUCTURE WITH NEW FRAME

* INCLUDED IN SIDEWALK REMOVAL



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PROJECT MANAGER: JH

DESIGNED BY: CW

DRAWN BY: DP

MAPLE MEADOWS GOLF COURSE RENOVATION
REMOVAL PLAN

WOOD DALE ILLINOIS

7325 Janes Avenue
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DRAWING NO.

C6.1

HOT–MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AC TYPE	VOIDS
NEW PARKING LOT PAVEMENT		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1.5"	PG 64-22	4% @ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2.5"	PG 64-22	4% @ 50 GYR
PAVEMENT RECONSTRUCTION, EXISTING LOT		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1.5"	PG 64-22	4% @ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2.5"	PG 64-22	4% @ 50 GYR
CART STORAGE AREA		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"	PG 64-22	4% @ 50 GYR

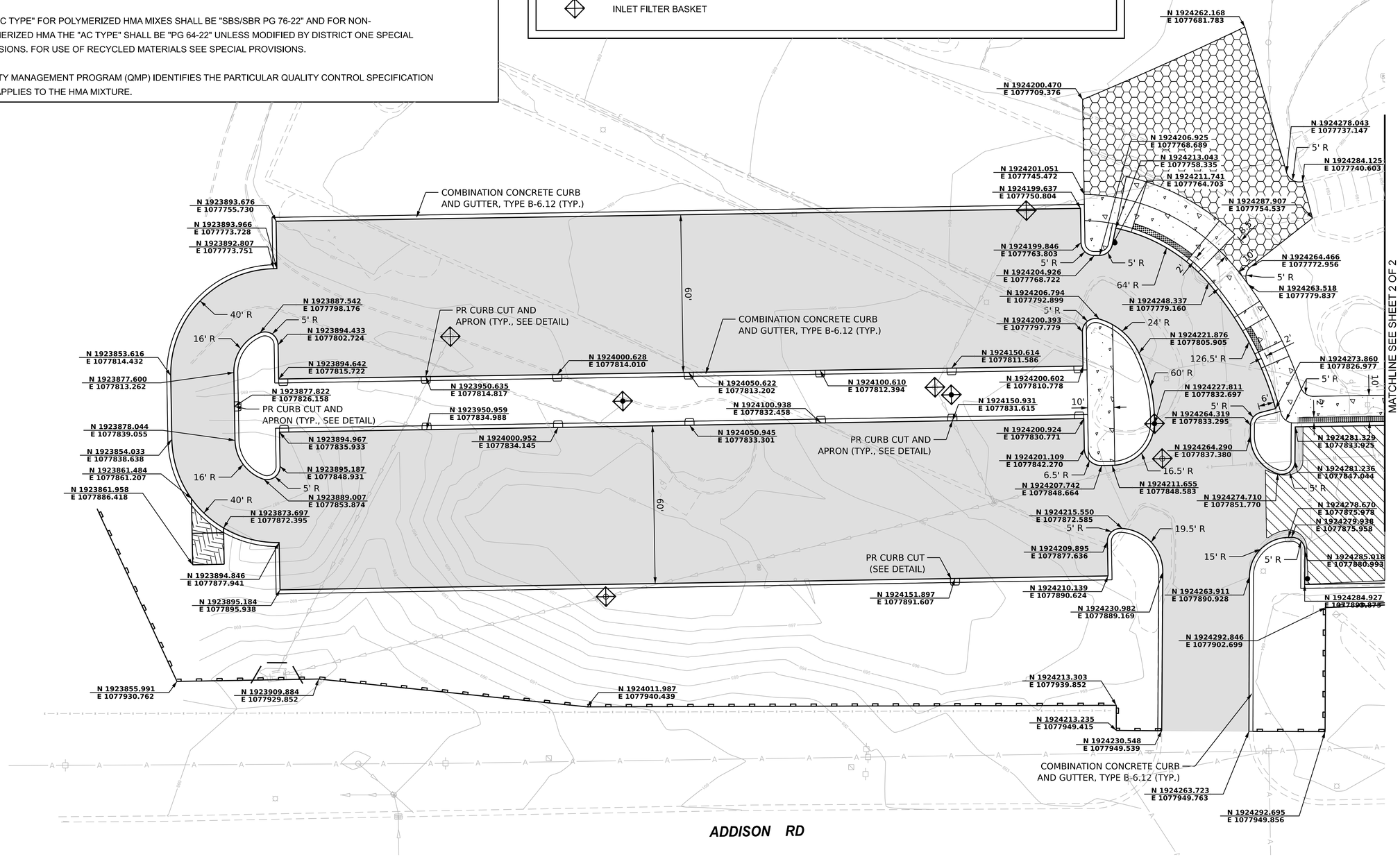
NOTES

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
3. QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

PAVING AND EROSION CONTROL LEGEND

- HMA SURFACE COURSE, MIX "D", N50 - 1.5"
  HMA BINDER COURSE, IL-19.0, N50 - 2.5"
  NEW AGGREGATE BASE COURSE, TY B - 4"
  RECYCLED AGGREGATE BASE COURSE FROM OLD LOT - 6"
- HMA SURFACE COURSE, MIX "D", N50 - 1.5"
  HMA BINDER COURSE, IL-19.0, N50 - 2.5"
  SHAPING AND GRADING OF ROADWAY
- PERIMETER EROSION BARRIER
- INLET FILTER BASKET
- HMA SURFACE COURSE, MIX "D", N50 - 3.0"
  AGGREGATE BASE COURSE, TY B - 10"
- PCC SIDEWALK - 5"
  AGGREGATE BASE COURSE, TY B - 4"
- PCC DRIVEWAY PAVEMENT - 8"
  AGGREGATE BASE COURSE, TY B - 10"
- DETECTABLE WARNINGS
- INLET AND PIPE PROTECTION

GRAPHIC SCALE
0 10 20 40
1" = 20'



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PROJECT NO. 240265
PROJECT MANAGER: JH
DESIGNED BY: CW
DRAWN BY: DP

MAPLE MEADOWS GOLF COURSE RENOVATION
PROPOSED IMPROVEMENT PLAN
WOOD DALE ILLINOIS

7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
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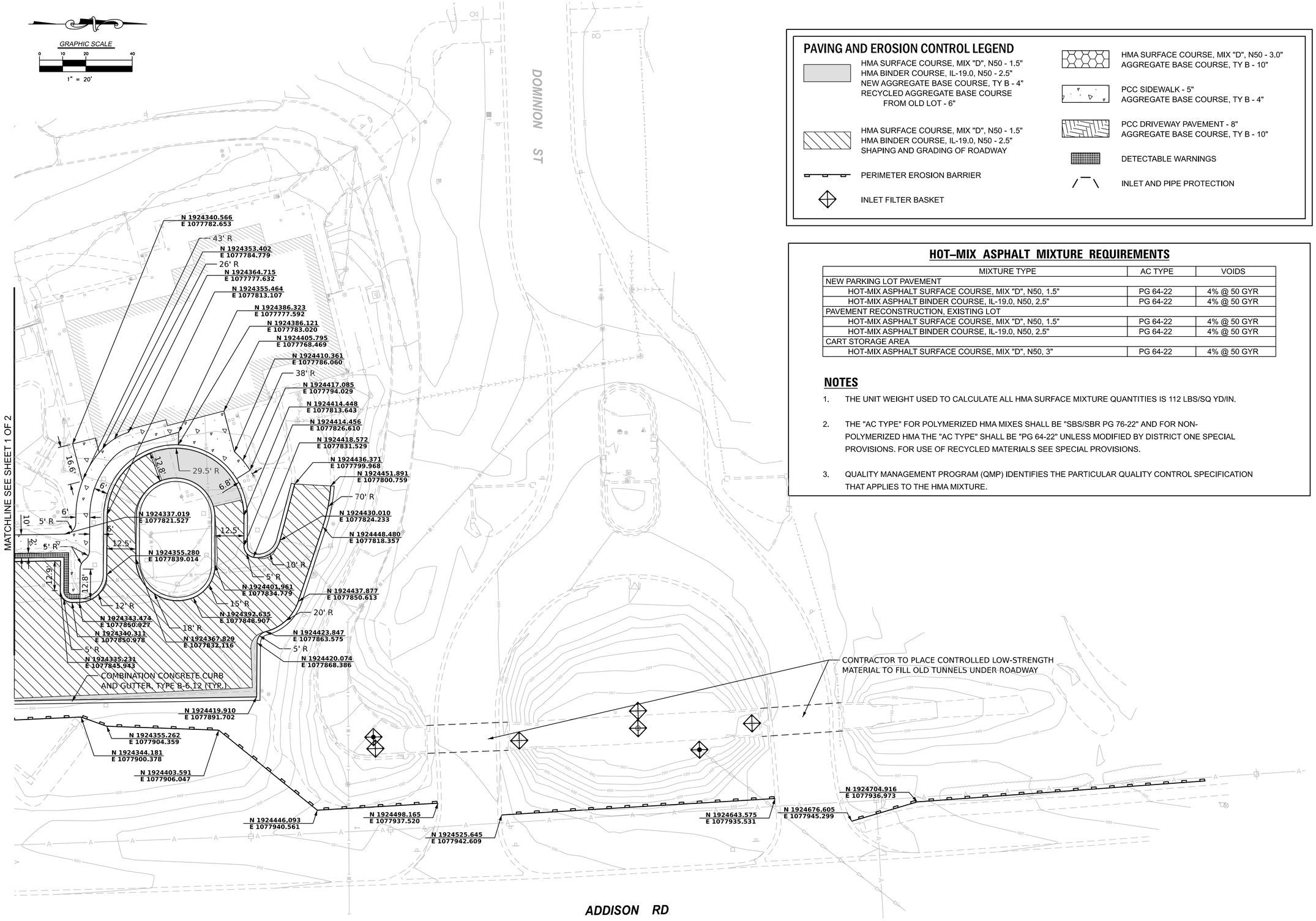
DRAWING NO.
C6.2



PAVING AND EROSION CONTROL LEGEND

- HMA SURFACE COURSE, MIX "D", N50 - 1.5"
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  NEW AGGREGATE BASE COURSE, TY B - 4"
  RECYCLED AGGREGATE BASE COURSE FROM OLD LOT - 6"
- HMA SURFACE COURSE, MIX "D", N50 - 1.5"
  HMA BINDER COURSE, IL-19.0, N50 - 2.5"
  SHAPING AND GRADING OF ROADWAY
- PERIMETER EROSION BARRIER
- INLET FILTER BASKET
- HMA SURFACE COURSE, MIX "D", N50 - 3.0"
  AGGREGATE BASE COURSE, TY B - 10"
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  AGGREGATE BASE COURSE, TY B - 4"
- PCC DRIVEWAY PAVEMENT - 8"
  AGGREGATE BASE COURSE, TY B - 10"
- DETECTABLE WARNINGS
- INLET AND PIPE PROTECTION

HOT–MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AC TYPE	VOIDS
NEW PARKING LOT PAVEMENT		
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PAVEMENT RECONSTRUCTION, EXISTING LOT		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1.5"	PG 64-22	4% @ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2.5"	PG 64-22	4% @ 50 GYR
CART STORAGE AREA		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"	PG 64-22	4% @ 50 GYR

NOTES

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PROJECT NO.: 240265
PROJECT MANAGER: JH
DESIGNED BY: CW
DRAWN BY: DP

MAPLE MEADOWS GOLF COURSE RENOVATION

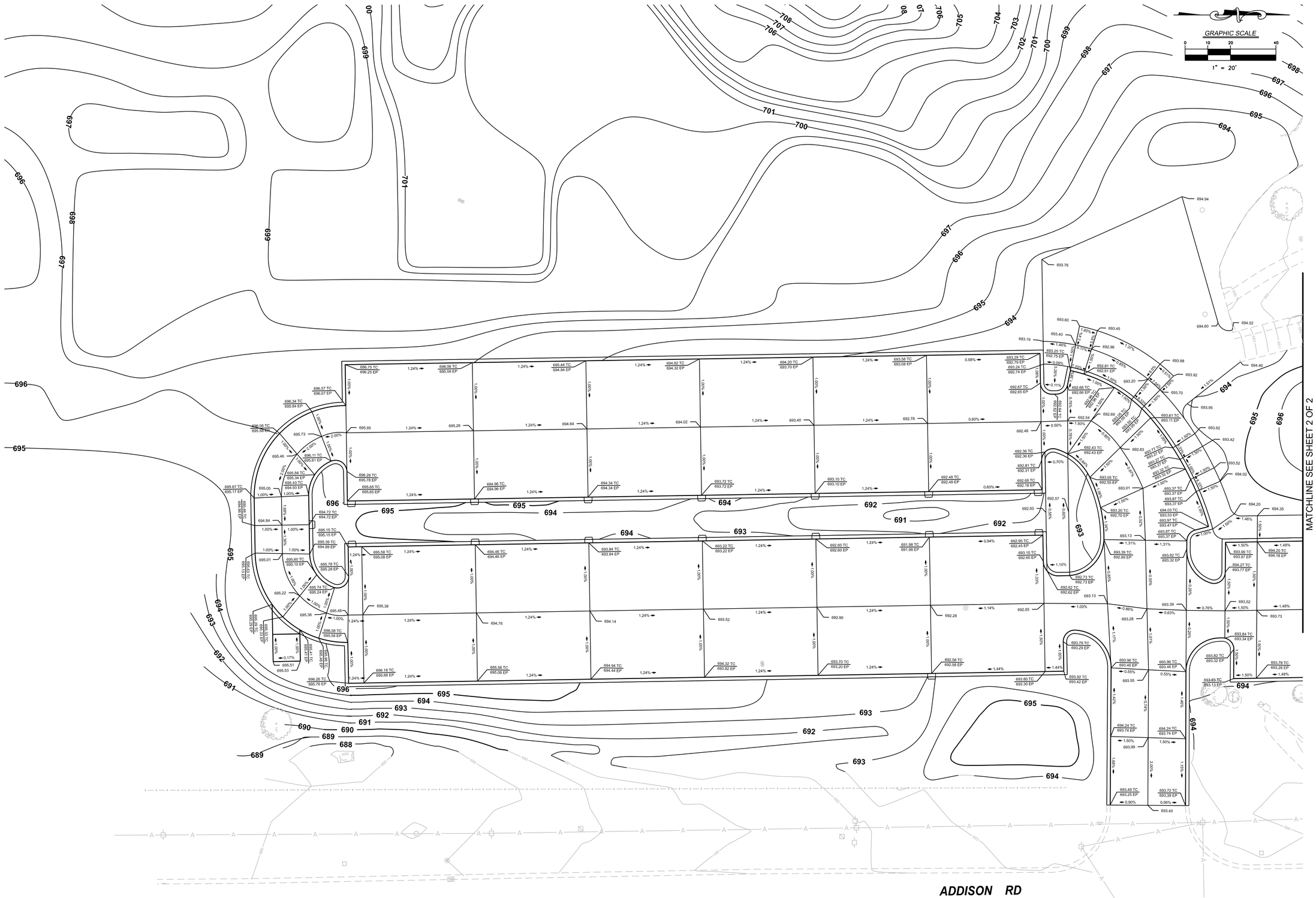
PROPOSED IMPROVEMENT PLAN

WOOD DALE ILLINOIS

7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

DRAWING NO.

C6.3



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MAPLE MEADOWS GOLF COURSE RENOVATION
PROPOSED GRADING PLAN
WOOD DALE ILLINOIS

7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

DRAWING NO.
C6.4

DRAWING NO. C6.5	7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone www.v3co.com	MAPLE MEADOWS GOLF COURSE RENOVATION PROPOSED GRADING PLAN WOOD DALE ILLINOIS	PROJECT NO.: 240265 PROJECT MANAGER: JH DESIGNED BY: CW DRAWN BY: DP

ORIGINAL ISSUE DATE: 11/8/2024

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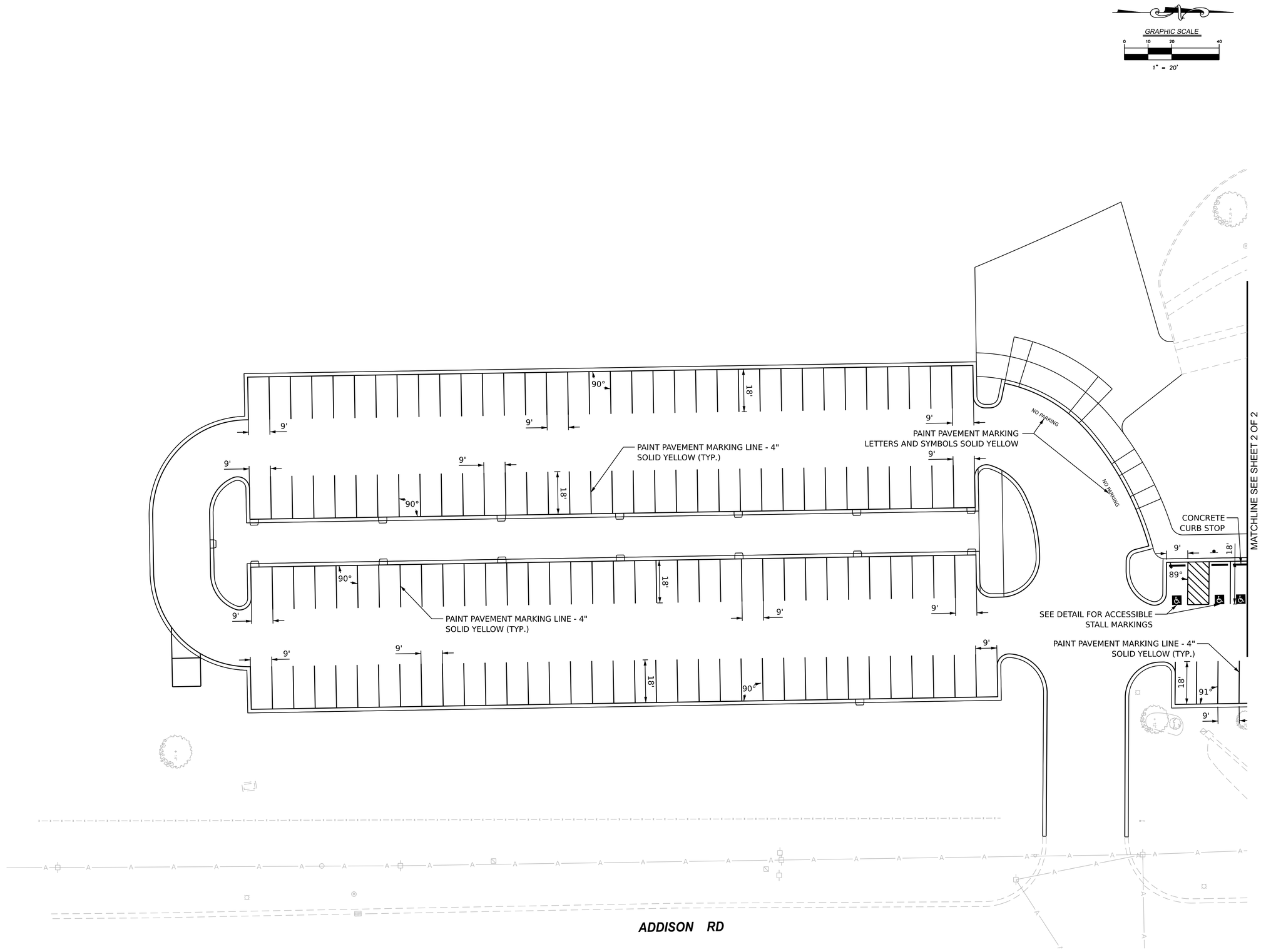

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PROJECT NO.: 240265
PROJECT MANAGER: JH
DESIGNED BY: CW
DRAWN BY: DP

MAPLE MEADOWS GOLF COURSE RENOVATION

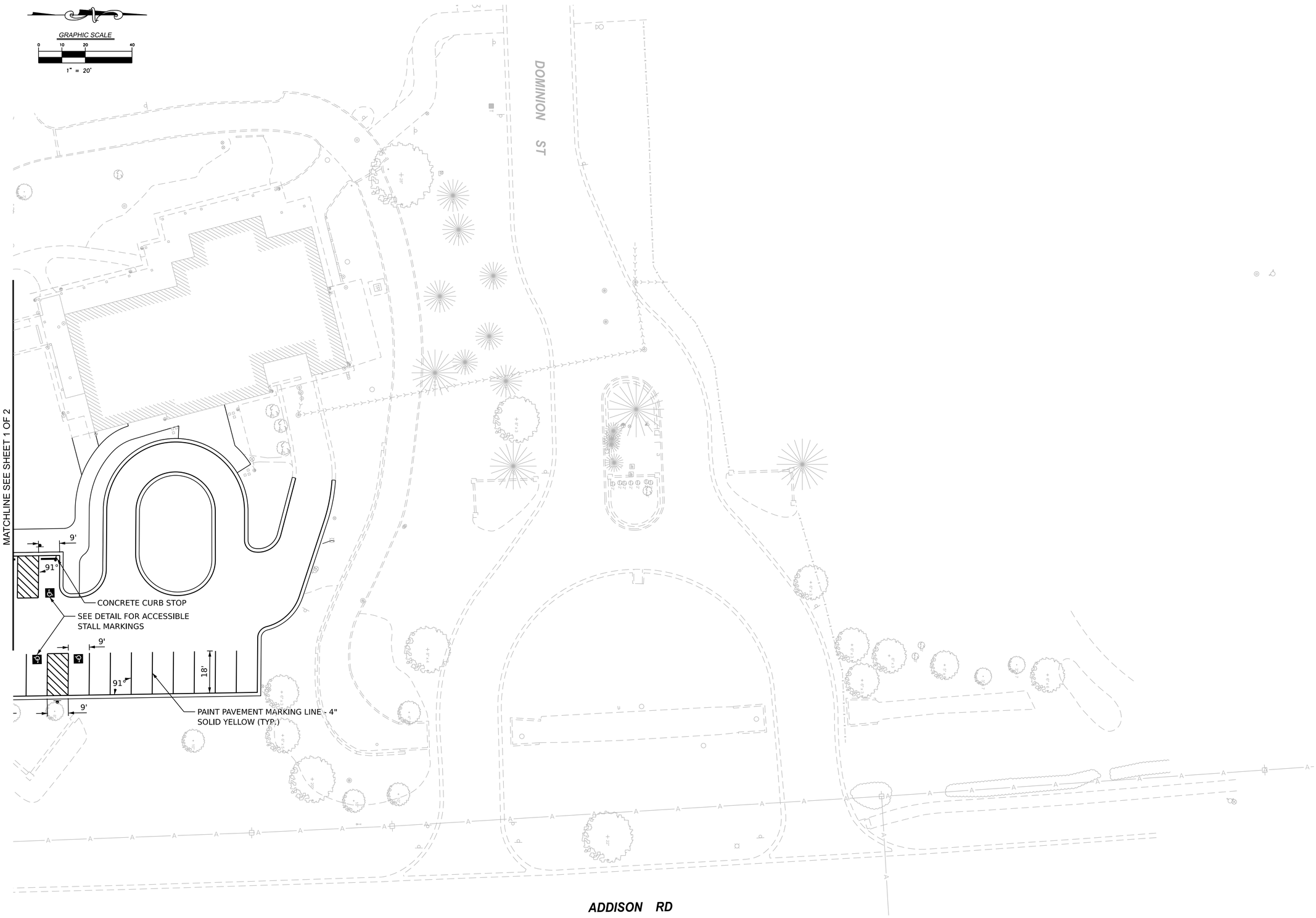
PAVEMENT MARKING PLAN

WOOD DALE ILLINOIS

7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

DRAWING NO.

C6.6



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PAVEMENT MARKING PLAN

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DRAWING NO.

C6.7

ST 1-1
PR 4' DIA. MH TY A
W/TY 1 CL
N: 1924019.114
E: 1077898.513
RIM 694.60
EX IE 21" RCP 685.16± N,S
IE 12" RCP 685.26 W

ST 1-2
PR 4' DIA. CB TY A
W/TY 8 F&G
N: 1924025.538
E: 1077824.132
RIM 693.50
IE 15" RCP 686.00 E
IE 12" PVC 686.00 N
IE 4" PVC 690.00 S

ST 1-3
PR 2' DIA. CB
W/TY 8 F&G
N: 1924150.517
E: 1077821.721
RIM 690.50
IE 12" PVC 687.25 S
IE 4" PVC 687.25 N

ST 2-1
PR 4' DIA. MH TY A
W/TY 1 OL
N: 1924230.780
E: 1077845.995
RIM 692.86
EX IE 24" RCP 688.10± S
IE 12" RCP 688.75 NE
IE 4" PVC 688.11 W

ST 2-2
PR 4' DIA. CB TY A
W/TY 1 OL
N: 1924227.811
E: 1077832.697
RIM 693.00
IE 12" RCP 688.33 E, W

ST 2-3
PR 4' DIA. CB TY A
W/TY 1 OL
N: 1924212.734
E: 1077763.878
RIM 692.39
IE 12" RCP 689.47 E, NW

ST 2-4
PR 2' DIA. CB TY C
W/TY 1 OL
N: 1924285.986
E: 1077891.680
RIM 693.13
IE 12" RCP 690.19 SE

P 1-1
75' LF - 15" RCP @ 1.00%

P 1-2
125' LF - 12" PERFORATED PVC
@ 1.00%

P 1-3
125' LF - 4" PVC UNDERDRAIN
@ 1.24%

P 1-4
50' LF - 4" PVC UNDERDRAIN
@ 1.00%

P 2-1
14' LF 12" RCP @ 1.60%

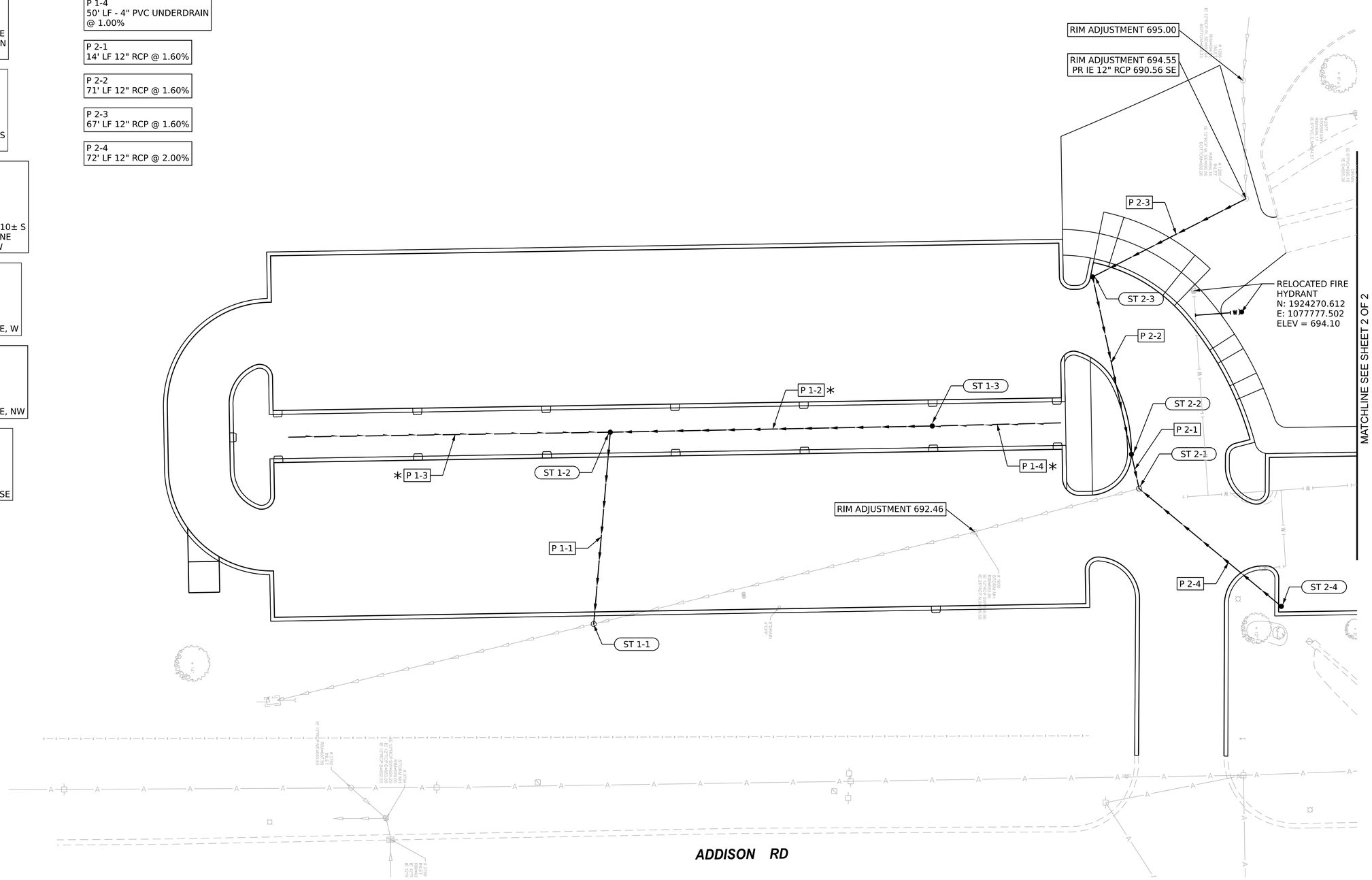
P 2-2
71' LF 12" RCP @ 1.60%

P 2-3
67' LF 12" RCP @ 1.60%

P 2-4
72' LF 12" RCP @ 2.00%

* NOTE:
CONTRACTOR IS TO BEND PROPOSED UNDERDRAIN ARROUND THE PROPOSED LIGHT POLE FOUNDATIONS SHOWN IN THE LIGHTING PLAN. CONTRACTOR IS TO USE 45° BENDS TO GO AROUND LIGHT POLE FOUNDATION. FROM THE OUTER EDGE OF THE LIGHT POLE FOUNDATION TO THE OUTER EDGE OF THE UNDERDRAIN, THERE SHALL BE A MINIMUM SEPARATION OF 6".

GRAPHIC SCALE
0 10 20 40
1" = 20'



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DESIGNED BY: CW
DRAWN BY: DP

MAPLE MEADOWS GOLF COURSE RENOVATION
PROPOSED UTILITY PLAN

WOOD DALE ILLINOIS

7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

DRAWING NO.
C6.8

GRAPHIC SCALE

0 10 20 40

1" = 20'

MATCHLINE SEE SHEET 1 OF 2

ST 3-1
PR 4' DIA. MH TY A
W/TY 1 OP
N: 1924610.937
E: 1077914.490
RIM 684.50
IE 12" RCP 677.30 N
IE 12" RCP 680.88 SW

ST 3-2
PR 2' DIA. CB TY C
W/TY 8 F&G
N: 1924584.424
E: 1077905.185
RIM 683.00
IE 12" RCP 681.50 NE
IE 10" PVC 681.72 S

ST 3-3
PR 2' DIA. IN TY A
W/TY 8 F&G
N: 1924470.303
E: 1077909.027
RIM 687.00
IE 10" PVC 684.00 N

P 3-1
31' LF - 12" RCP @ 2.00%

P 3-2
114' LF - 10" PVC @ 2.00%

CASING SLEEVE, 14" - 46 FEET

ST 3-2

P 3-1

P 3-2

ST 3-3

ST 3-1

ADDISON RD

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PROPOSED UTILITY PLAN

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DRAWING NO.

C6.9

LEGEND

- PROPOSED ELECTRICAL CABLE AND CONDUIT (SEE CABLE AND CONDUIT LEGEND)
- PROPOSED CONDUIT SLEEVE - 3" RIGID GALVANIZED STEEL CONDUIT
- COMPOSITE CONCRETE HANDHOLE
- XX-X — LIGHT POLE NUMBER - LIGHT POLE CIRCUIT
- PROPOSED POLE-MOUNTED LIGHTS (SEE FIXTURE SCHEDULE)
- PROPOSED BOLLARD LIGHTS (SEE FIXTURE SCHEDULE)

CONDUIT AND CABLE LEGEND

B — 2-1/C #8 & 1-1/C #8 GROUND WIRE 600 VOLTS (XLP-TYPE USE) IN 1.5" DIA. POLYETHYLENE CONDUIT

C — 4-1/C #8 & 2-1/C #10 & 1-1/C #8 GROUND WIRE 600 VOLTS (XLP-TYPE USE) IN 1.5" DIA. POLYETHYLENE CONDUIT

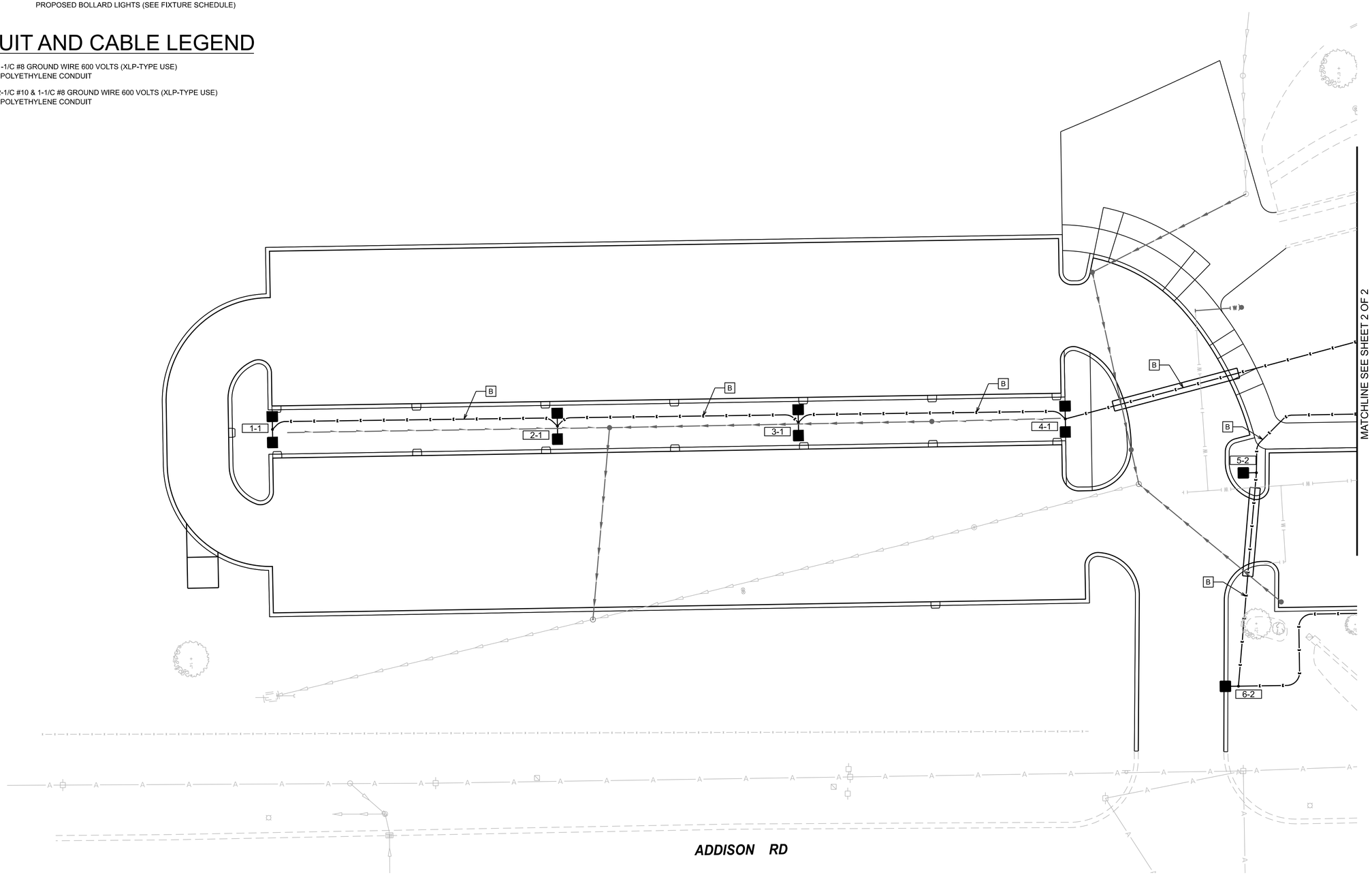
SITE LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	QUANTITY	LLF	COLOR	MOUNTING	CONFIG.	CATALOG NO. & NOTES
	LITHONIA LIGHTING D-SERIES SIZE 1 LED AREA LIGHT, LUMINAIRE POWER PACKAGE P3, TYPE 3 MEDIUM DISTRIBUTION, 25'-0" MOUNTING HEIGHT	4	0.90	4000K	22'-0" POLE, SQUARE STEEL, BLACK 3'-0" CONC. FOUND.	1 FIXTURE	LIGHT: DSX1 LED-P3-40K-T3M-MVOLT-SPA-DBLXD POLE: SSS-22-5C-DM19AS-DBLXD
	LITHONIA LIGHTING D-SERIES SIZE 1 LED AREA LIGHT, LUMINAIRE POWER PACKAGE P3, TYPE 3 MEDIUM DISTRIBUTION, 25'-0" MOUNTING HEIGHT	4	0.90	4000K	22'-0" POLE, SQUARE STEEL, BLACK 3'-0" CONC. FOUND.	2 FIXTURES @ 180°	LIGHT: DSX1 LED-P3-40K-T3M-MVOLT-SPA-DBLXD POLE: SSS-22-5C-DM28AS-DBLXD
	BEGA SYSTEM BOLLARD HEAD 2'-6" MOUNTING HEIGHT	8	0.90	4000K	2'-6" BEGA SYSTEM BOLLARD TUBE, BLACK, ON CONC. FOUND.	1 FIXTURE	LIGHT: 99862-K4-BLACK POLE: 99622-BLACK

GRAPHIC SCALE

0 10 20 40

1" = 20'



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MAPLE MEADOWS GOLF COURSE RENOVATION

PROPOSED LIGHTING PLAN

WOOD DALE ILLINOIS

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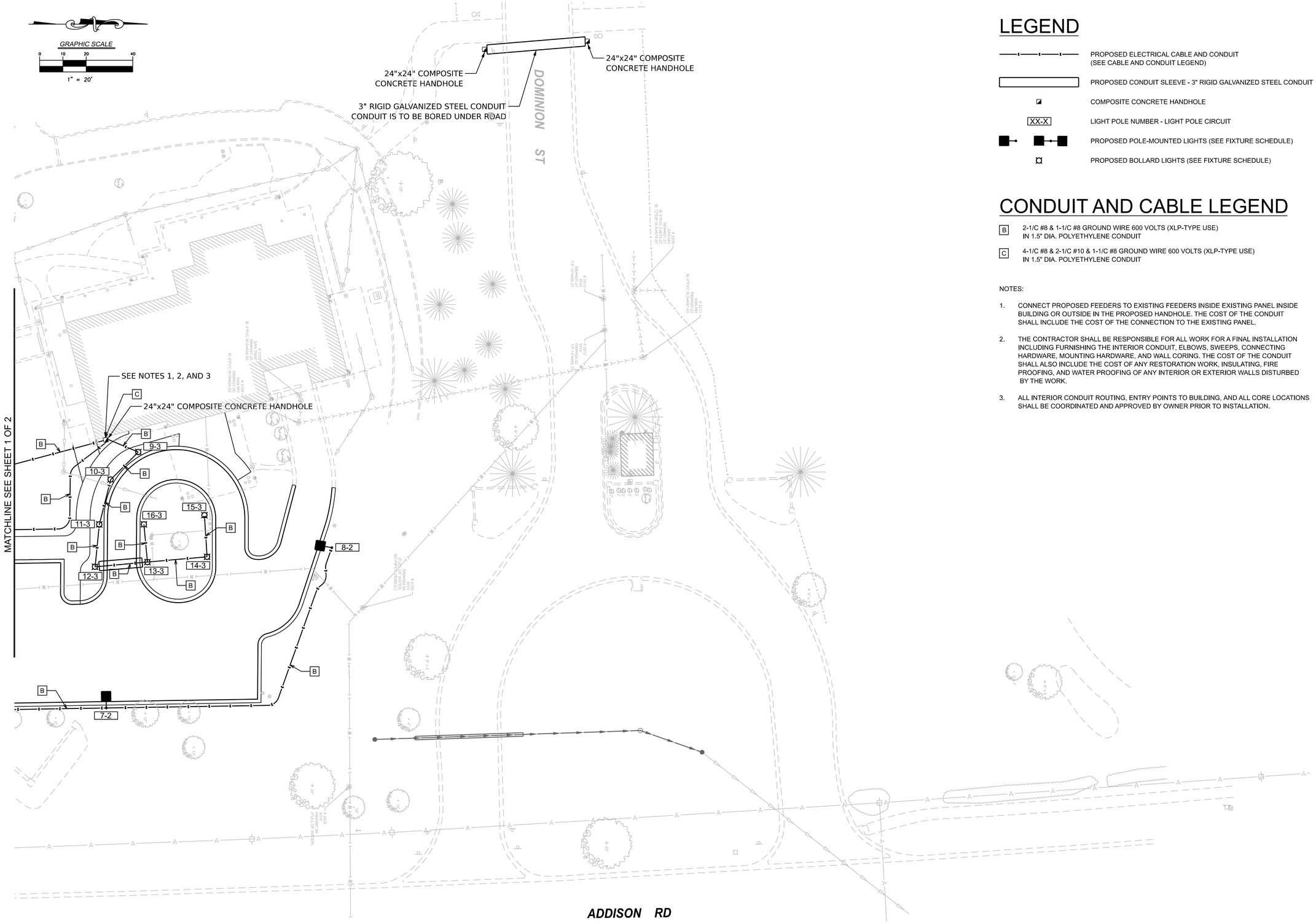
DRAWING NO.

C6.10



LEGEND

- PROPOSED ELECTRICAL CABLE AND CONDUIT (SEE CABLE AND CONDUIT LEGEND)
- PROPOSED CONDUIT SLEEVE - 3" RIGID GALVANIZED STEEL CONDUIT
- COMPOSITE CONCRETE HANDHOLE
- XX-X — LIGHT POLE NUMBER - LIGHT POLE CIRCUIT
- PROPOSED POLE-MOUNTED LIGHTS (SEE FIXTURE SCHEDULE)
- PROPOSED BOLLARD LIGHTS (SEE FIXTURE SCHEDULE)

CONDUIT AND CABLE LEGEND

B — 2-1/C #8 & 1-1/C #8 GROUND WIRE 600 VOLTS (XLP-TYPE USE) IN 1.5" DIA. POLYETHYLENE CONDUIT

C — 4-1/C #8 & 2-1/C #10 & 1-1/C #8 GROUND WIRE 600 VOLTS (XLP-TYPE USE) IN 1.5" DIA. POLYETHYLENE CONDUIT

NOTES:

1. CONNECT PROPOSED FEEDERS TO EXISTING FEEDERS INSIDE EXISTING PANEL INSIDE BUILDING OR OUTSIDE IN THE PROPOSED HANDHOLE. THE COST OF THE CONDUIT SHALL INCLUDE THE COST OF THE CONNECTION TO THE EXISTING PANEL.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK FOR A FINAL INSTALLATION INCLUDING FURNISHING THE INTERIOR CONDUIT, ELBOWS, SWEEPS, CONNECTING HARDWARE, MOUNTING HARDWARE, AND WALL CORING. THE COST OF THE CONDUIT SHALL ALSO INCLUDE THE COST OF ANY RESTORATION WORK, INSULATING, FIRE PROOFING, AND WATER PROOFING OF ANY INTERIOR OR EXTERIOR WALLS DISTURBED BY THE WORK.
3. ALL INTERIOR CONDUIT ROUTING, ENTRY POINTS TO BUILDING, AND ALL CORE LOCATIONS SHALL BE COORDINATED AND APPROVED BY OWNER PRIOR TO INSTALLATION.

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MAPLE MEADOWS GOLF COURSE RENOVATION

PROPOSED LIGHTING PLAN

WOOD DALE ILLINOIS

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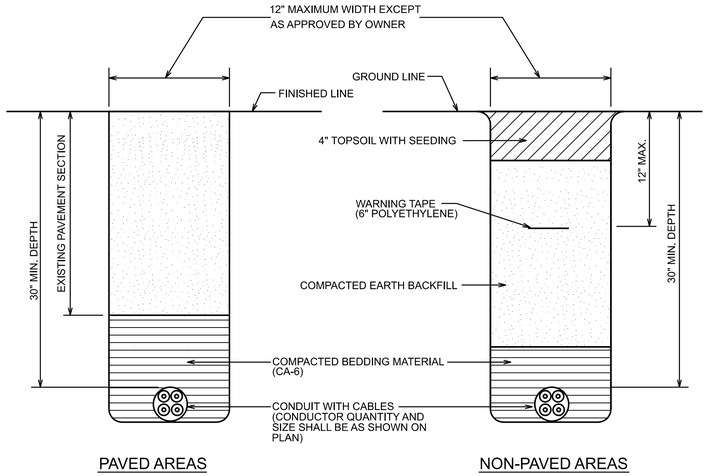
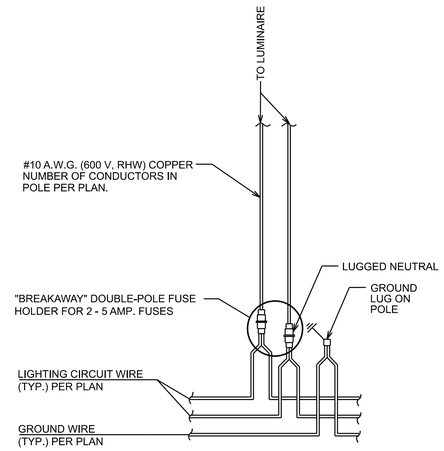
DRAWING NO.

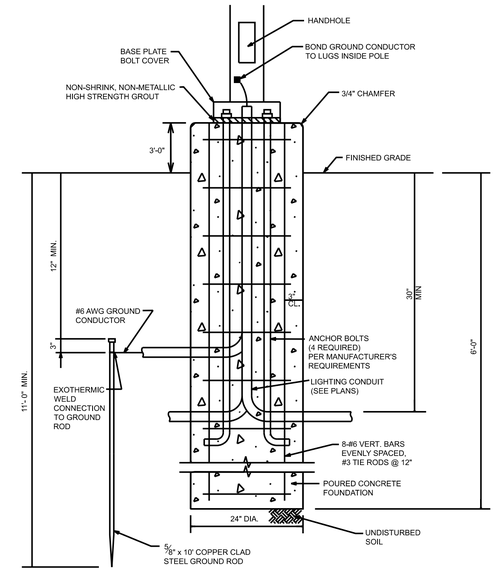
C6.11



CONDUIT TRENCH BACKFILL DETAIL



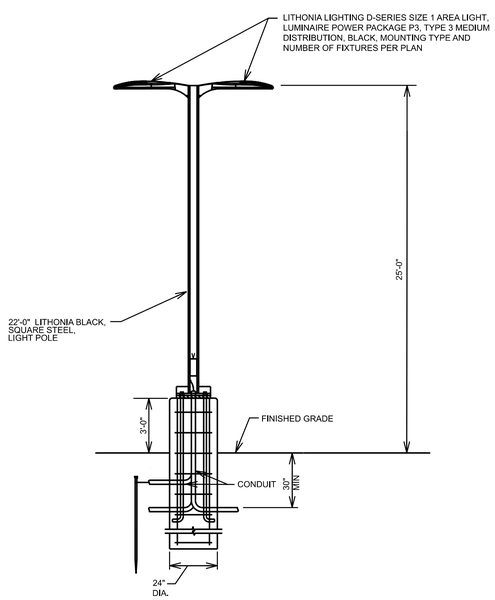
LIGHT POLE WIRING DETAIL



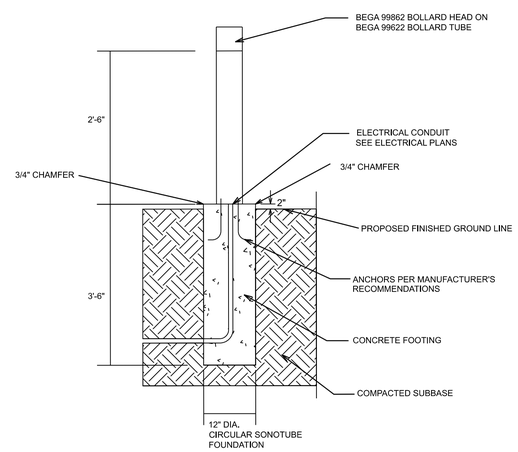
LIGHT POLE FOUNDATION DETAIL

LIGHT POLE FOUNDATION NOTES

1. CONTRACTOR TO VERIFY ALL ELEVATIONS, DIMENSIONS, LOCATIONS AND PRODUCTS PRIOR TO STARTING CONSTRUCTION AND/OR ORDERING MATERIALS.
2. CONCRETE TO BE CLASS A, MIN. STRENGTH TO BE f'c=3500 PSI, WITH AIR CONTENT 6.5% +/-1.5% BY VOLUME.
3. ALL REINFORCEMENT STEEL TO BE ASTM A615, GR-60.
4. ALL FOOTINGS MUST BE POURED ON UNDISTURBED SOIL WITH A MINIMUM SAFE BEARING CAPACITY OF 2000 P.S.F. WITH NO ORGANICS. THE FOUNDATION SHALL NOT BE POURED ON FROZEN GROUND.
5. FOUNDATION DETAIL IS BASED ON MEDIUM CLAY (Q_u=1.0 TON/SQ FT.) SOIL CONDITIONS.
6. THE CONTRACTOR SHALL HAVE THE EXISTING SOIL CONDITIONS FIELD VERIFIED BY A QUALIFIED TESTING AGENCY AND SUBMIT DESIGN CALCULATIONS AND SHOP DRAWINGS IF EXISTING SOIL CONDITIONS ARE OUTSIDE THE PARAMETERS ASSUMED FOR THE TYPICAL FOUNDATION DESIGN.
7. ANCHOR BOLT SIZE, TYPE, AND LOCATION FOR PROPOSED FIXTURES AND POLES SHALL BE TO MANUFACTURER'S SPECIFICATIONS TO ENSURE EASY MOUNTING OF LIGHT POLE.



LITHONIA LIGHT POLE AND FIXTURE DETAIL



BOLLARD DETAIL

REVISIONS

NO.	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 11/8/2024

NO.	DATE	DESCRIPTION
1	11/22/24	90% SET FOR REVIEW BY FPD
2	01/17/25	REVISED PER COUNTY COMMENTS
3	02/20/25	BID SET

PROJECT NO.: 240265
PROJECT MANAGER: JH
DESIGNED BY: CW
DRAWN BY: DP

MAPLE MEADOWS GOLF COURSE RENOVATION
LIGHTING DETAILS

WOOD DALE ILLINOIS

7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

DRAWING NO.
C6.12

D-Series Size 1
LED Area Luminaire

d^n series

Specifications

EPA: 0.69 ft² (0.06 m²)

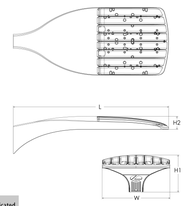
Length: 32.71" (83.1 cm)

Width: 14.26" (36.2 cm)

Height H1: 7.88" (20.0 cm)

Height H2: 2.73" (6.9 cm)

Weight: 34 lbs (15.4 kg)



Design Select options indicated by thin color background.

Catalog Number

Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

Introduction

The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

design select

Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

Ordering Information

EXAMPLE: DSX1 LED P7 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED	P3	40K	70 CRI	T3M	MVOLT	SPA
Series	**LEDs**	**Color temperature**[2]	**Color Rendering Index**[2]	**Distribution**	**Voltage**	**Mounting**
DSX1 LED	**Forward optics** P1 P6 P2 P7 P3 P8 P4 P9 P5 **Rotated optics** P10[1] P12[1] P11[1] P13[1]	(this section 70CRI only) 30K 3000K 40K 4000K 50K 5000K (this section 80CRI only, extended lead times apply) 27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	70CRI 70CRI 70CRI 80CRI 80CRI 80CRI 80CRI 80CRI	AFR Automotive front row T1S Type I short T2M Type II medium T3M Type III medium T3LG Type III low glare[3] T4M Type IV medium T4LG Type IV low glare[3] TFTM Forward throw medium T5M Type V medium T5LG Type V low glare T5W Type V wide BLC3 Type III backlight control[1] BLC4 Type IV backlight control[1] LCCO Left corner cutoff[1] RCCO Right corner cutoff[1]	MVOLT (120V-277V)[4] HVOLT (347V-480V)[5,6] XVOLT (277V - 480V)[5,8] 120[9,25] 208[9,26] 240[9,26] 277[9,26] 347[9,26] 480[9,26]	**Shipped included** SPA Square pole mounting (#8 drilling) RPA Round pole mounting (#8 drilling) SPA5 Square pole mounting #5 drilling[9] RPA5 Round pole mounting #5 drilling[9] SPA8N Square narrow pole mounting #8 drilling WBA Wall bracket[10] MA Mast arm adapter (mounts on 2 3/8" OD horizontal tenon)

DBLXD
Finish *(required)*
DDBXD Dark Bronze DBLXD Black DNAXD Natural Aluminum DWHXD White DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white

Control options		Other options		
Shipped installed		**Shipped installed**		**Finish** *(required)*
NLTAIR2 PIRHN	nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc[7,15,32,35,37]	SPD20KV	20KV surge protection	DDBXD Dark Bronze
PIR	High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc[7,15,20,37]	HS	Houseside shield (black finish standard)[22]	DBLXD Black
PER	NEMA twist-lock receptacle only (controls ordered separate)[14]	L90	Left rotated optics[1]	DNAXD Natural Aluminum
PER5	Five-pin receptacle only (controls ordered separate)[14,37]	R90	Right rotated optics[1]	DWHXD White
		CCE	Coastal Construction[33]	DDBTXD Textured dark bronze
		HA	50°C ambient operation[28]	DBLBXD Textured black
		BAAA	Buy America(n) Act and/or Build America Buy America Qualified	DNATXD Textured natural aluminum
		SF	Single fuse (120, 277, 347V)[28]	DWHGXD Textured white
		DF	Double fuse (208, 240, 480V)[28]	
		Shipped separately		
		EGSR	External Glare Shield (reversible, field install required, matches housing finish)	
		BSDB	Bird Spikes (field install required)	
PER7	Seven-pin receptacle only (controls ordered separate)[14,37]			
FAO	Field adjustable output[12,37]			
BL30	Bi-level switched dimming, 30%[16,37]			
BL50	Bi-level switched dimming, 50%[16,37]			
DMG	0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately)[17]			
DS	Dual switching[18,19,37]			

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Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL

BAA BABA

SSS Square Straight Steel Poles

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative.

Example: SSS 20 5C DM28AS DDBXD

SSS	22	5C	DM19AS		DBLXD
Series	**Nominal fixture mounting height**	**Nominal shaft base size/wall thickness**[1]	**Mounting**[2]	**Options**	**Finish**
SSS	10'-39' (for 1/2 ft increments, add -6 to the pole height. **Ex:** 20-6 equals 20ft 6in.) (See technical information table for complete ordering information.)	4C 4" 11g (0.120") 4G 4" 7g (0.179") 5C 5" 11g (0.120") 5G 5" 7g (0.179") 6G 6" 7g (0.179") (See technical information table for complete ordering information.)	Tenon mounting PT Open top (includes top cap) T20 2-3/8" O.D. (2" NPS) T25 2-7/8" O.D. (2-1/2" NPS) T30 3-1/2" O.D. (3" NPS) T35 4" O.D. (3-1/2" NPS) DSX/RSX/OMERO™ Drill mounting[3] DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM39AS 3 at 90° DM49AS 4 at 90° RAD drill mounting[3] DM19RAD 1 at 90° DM28RAD 2 at 180° DM29RAD 2 at 90° DM39RAD 3 at 90° DM49RAD 4 at 90° ESX Drill mounting[3] DM19ESX 1 at 90° DM28ESX 2 at 180° DM29ESX 2 at 90° DM39ESX 3 at 90° DM49ESX 4 at 90° Arm drill mounting To be added as series + drill orientations **EX:** SMAC19 for SMAC arm drilling 1 at 90°	Shipped installed VD Vibration damper[4] JHxy J-Hook for cable strain relief[5] HAxy Horizontal arm bracket (1 fixture)[5,6] FDLxy Festoon outlet less electrical[5,7] FDLGFCIxy Festoon with GFCI outlet and in-use cover[5,8] CPL12/xy 1/2" coupling[5] CPL34/xy 3/4" coupling[5] CPL1/xy 1" coupling[5] NPL12/xy 1/2" threaded nipple[5] NPL34/xy 3/4" threaded nipple[5] NPL1/xy 1" threaded nipple[5] EHHxy Extra handhole[5,9] STLHHC Steel handhole cover (standard is plastic, finish is smooth)[10] FBCSTL2PC 2 Piece steel base cover (standard is plastic)[10] IC Interior coating[11] L/AB Less anchor bolts (Include when anchor bolts are not needed) TP Tamper resistant handhole cover fasteners NEC NEC 410.30 compliant gasketed handhole (Not UL Labeled) UL UL listed with label (Includes NEC compliant cover) BAA Buy America(n) Act Compliant[12] VM/original order# Match pole to prior order or project[13]	Super durable paint colors DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DGCXD Charcoal gray DTGXD Tennis green DBRXD Bright red DSBXD Steel blue DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white Other finishes GALV Galvanized finish Architectural colors and special finishes[14] [PAINT] GALV Paint over galvanizing VP30 3 year warranty extension VP53 5 year warranty extension RAL#### Use designated Lithonia Lighting nomenclature in brochure Custom color Nomenclature assigned through Customer Care "Custom Color Process"

Accessories: *Order as separate catalog number.*	
PL DT20	Plugs for ESX drillings
PL DT8	Plugs for DMxxAS drillings
FVD xxFT	Field installed vibration damper (snake style)

NOTES:
1. Wall thickness will be signified with a "C" (11 Gauge) or a "G" (7-Gauge) in nomenclature. "C" - 0.120" | "G" - 0.179".
2. PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, specify as drilling option/tenon option. The combination includes a required extra handhole.
   Example: DM28/T20.
3. Refer to the fixture spec sheet for the correct drilling template pattern and orientation compatibility.
4. On 4" and 5" poles, VD cannot be installed if provisions (EHH, FDL, NPL, CPL) are located higher than 2/3 of the pole's total height.
   Example: Pole height is 25ft, A provision cannot be placed above 16ft.
5. Specify location and orientation when ordering option.
   For "x": Specify the height above the base of pole in feet or feet and inches; separate feet and inches with a "-".
   Example: 5ft = 5 and 20ft 3in = 20-3
   For "y": Specify orientation from handhole (A,B,C,D) Refer to the Handhole Orientation diagram below.
   Example: 1/2" coupling at 5'-8", orientation C = (R12/5-8C)
6. Horizontal arm is 18" x 2-3/8" O.D. tenon standard, with radius curve providing 12" rise and 2-3/8" O.D. If ordering two horizontal arm at the same height, specify with HAxyy.
   Example: HA20B0.
7. FDL does not come with GFCI outlet or handhole cover. These must be supplied by contractor or electrician.
8. Festoon option that comes with GFCI and in-use cover. GFCI and in-use cover ship separately from pole.
9. Combination of tenon-top and drill mount includes extra handhole. EHH includes cover.
10. Plastic hand hole cover and base covers come standard with all poles. Items ship separately. Additional parts can be ordered as replacements.
11. N/A with GALV.
12. Use when mill certifications are required.
13. Must add original order number. Not for replacement parts or post sales issues, contact tech support or post sales teams. VM is used to ensure poles match in appearance exactly from order to order, on a single project site. A common use case would be a multi-phase project with multiple orders. *Example: VM1010-36784*
14. Must be quoted through AQD. Finishes do not require RFA. RAL colors available are shown in "Architectural Colors brochure". Lead times may be extended up to 2 weeks due to paint procurement.

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SQUARE STRAIGHT STEEL

BAA BABA

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9. Combination of tenon-top and drill mount includes extra handhole. EHH includes cover.
10. Plastic hand hole cover and base covers come standard with all poles. Items ship separately. Additional parts can be ordered as replacements.
11. N/A with GALV.
12. Use when mill certifications are required.
13. Must add original order number. Not for replacement parts or post sales issues, contact tech support or post sales teams. VM is used to ensure poles match in appearance exactly from order to order, on a single project site. A common use case would be a multi-phase project with multiple orders. *Example: VM1010-36784*
14. Must be quoted through AQD. Finishes do not require RFA. RAL colors available are shown in "Architectural Colors brochure". Lead times may be extended up to 2 weeks due to paint procurement.

LITHONIA LIGHTING
POLE-SSS
OUTDOOR: One Lithonia Way Conyers, GA 30012 Phone: 800-705-SERV (7378) TechSupport-Lighting@Acuitybrands.com www.lithonia.com
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REVISIONS

NO.	DATE	DESCRIPTION
1	11/22/24	90% SET FOR REVIEW BY FPD
2	01/17/25	REVISED PER COUNTY COMMENTS
3	02/20/25	BID SET

ORIGINAL ISSUE DATE: 11/8/2024

PROJECT NO. 240265
PROJECT MANAGER: JH
DESIGNED BY: CW
DRAWN BY: DP

MAPLE MEADOWS GOLF COURSE RENOVATION
LIGHTING DETAILS
WOOD DALE ILLINOIS

7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

DRAWING NO.
C6.13

System bollard tube · With access door

BEGA

Application
BEGA system bollard luminaire tube without components. BEGA system bollard tubes are designed for easy attachment to system bollard heads using an interlocking mechanism. An accompanying bollard head must be selected for proper installation.

Materials
Marine grade, copper free (≤ 0.3% copper content) A360.0 aluminum alloy
Extruded aluminum
Die-cast aluminum
Mechanically captive stainless steel fasteners
Interlocking stainless steel mounting mechanism for attachment of head and tube
Pre-wired with 5-pole plug-in connectors for ease of installation
Galvanized steel anchorage

NRTL listed to North American Standards, suitable for wet locations
Protection class IP 65

Weight: 13.0 lbs.

Finish
All BEGA standard finishes are matte, textured powder coat with minimum 3 mil thickness. BEGA Unidure® finish provides superior fade protection in Black, Bronze, and Silver. BEGA standard White is a super durable polyester powder. Optionally available RAL and custom color finishes provided in either polyester powder or liquid paint.

Available colors
☐ Black (BLK) ☐ Bronze (BRZ)
☐ Silver (SLV) ☐ White (WHT)
☐ RAL: ☐ CUS:

Type:
BEGA Product:
Project:
Modified:

Available options

☐ 70896	Direct burial anchorage (replaces included anchorage kit, pre-shippable)
☐ CUS	Custom finish
☐ MGU	Marine grade undercoat
☐ RAL	RAL finish

Included (available for pre-shipment)

☑ B79818	Anchorage kit

System bollard tube · With access door

	A	B
B99622	7 1/2	32

BEGA 1000 BEGA Way, Carpinteria, CA 93013 (805) 684-0533 info@bega-us.com

Due to the dynamic nature of lighting products and the associated technologies, luminaire data on this sheet is subject to change at the discretion of BEGA North America. For the most current technical data, please refer to bega-us.com
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Updated 01/09/25

System bollard head · Shielded · 360°

BEGA

Application
BEGA system bollard head with shielded 360° light distribution. Simply order the bollard head and also the required bollard tube in various heights and options. Both modules can be joined together easily and quickly during the installation.

Materials
Clear safety glass
Marine grade, copper free (≤ 0.3% copper content) A360.0 aluminum alloy
High temperature silicone gasket
Mechanically captive stainless steel fasteners
Pure anodized aluminum reflector surface

NRTL listed to North American Standards, suitable for wet locations
Protection class IP 65

Weight: 8.4 lbs.

Electrical

Operating voltage	120-277V AC
Minimum start temperature	-30° C
LED module wattage	16.5 W
System wattage	19.8 W
Controllability	0-10V dimmable
Color rendering index	Ra > 80
Luminaire lumens	1286 lm
LED service life (L70)	60000 hrs

LED color temperature
☒ 4000K (K4)
☐ 3500K (K35)
☐ 3000K (K3)
☐ 2700K (K27)

BEGA can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details

Finish
All BEGA standard finishes are matte, textured powder coat with minimum 3 mil thickness. BEGA Unidure® finish provides superior fade protection in Black, Bronze, and Silver. BEGA standard White is a super durable polyester powder. Optionally available RAL and custom color finishes provided in either polyester powder or liquid paint.

Available colors
☒ Black (BLK) ☐ Bronze (BRZ)
☐ Silver (SLV) ☐ White (WHT)
☐ RAL: ☐ CUS:

Type:
BEGA Product:
Project:
Modified:

Available options

☐ CUS	Custom finish
☐ DALI-2	DALI dimming (99622 tube only)
☐ MGU	Marine grade undercoat
☐ RAL	RAL finish

System bollard head · Shielded · 360°

	LED	A	B
B99862	16.5 W	7 1/2	5 1/2

BEGA 1000 BEGA Way, Carpinteria, CA 93013 (805) 684-0533 info@bega-us.com

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Upcated 01/07/25

REVISIONS

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RENOVATION
LIGHTING DETAILS
WOOD DALE ILLINOIS

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630.724.9200 phone
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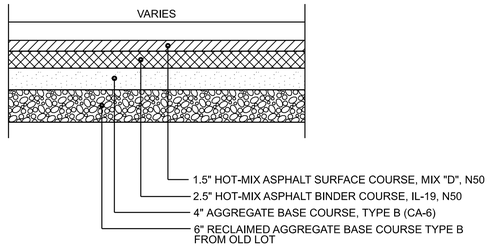
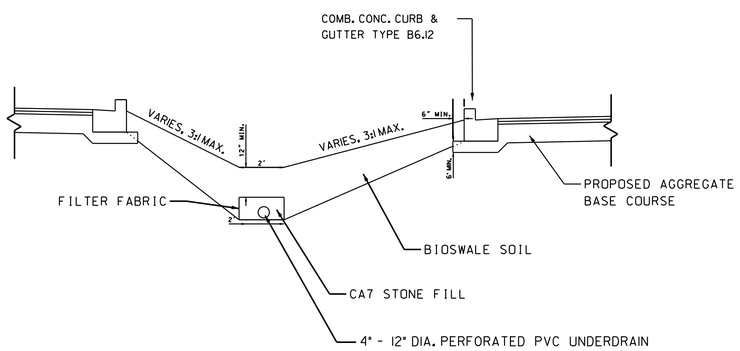
DRAWING NO.
C6.14

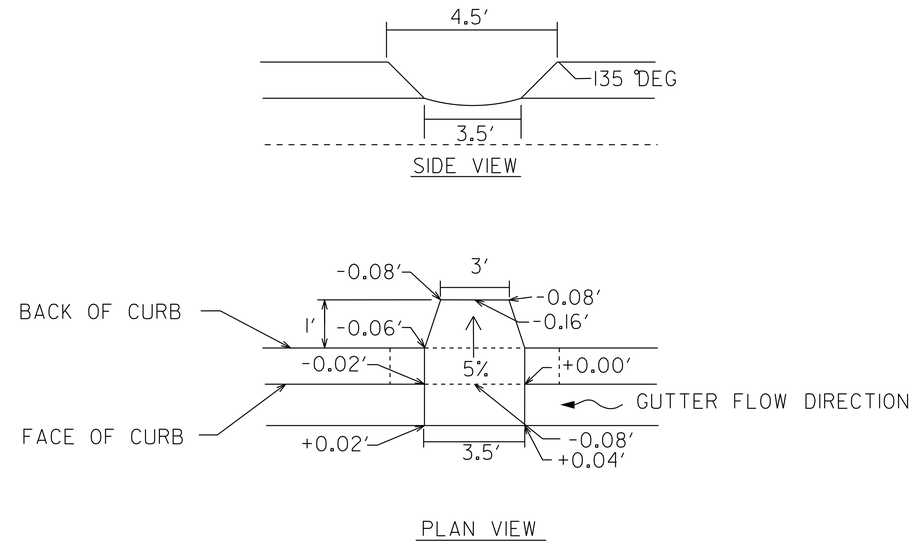


TYPICAL SECTION - PARKING LOT PROPOSED BITUMINOUS PAVEMENT

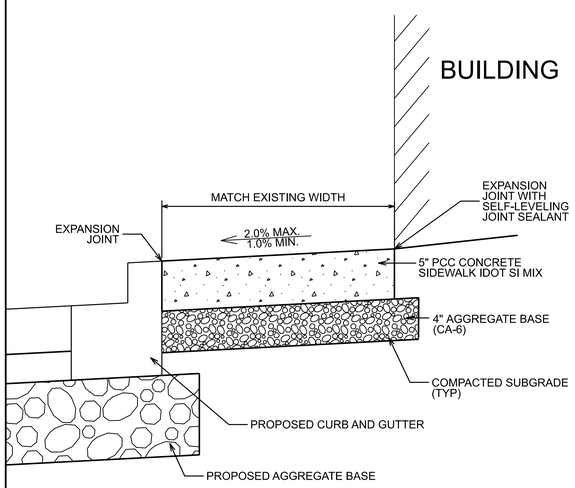
(NOT TO SCALE)



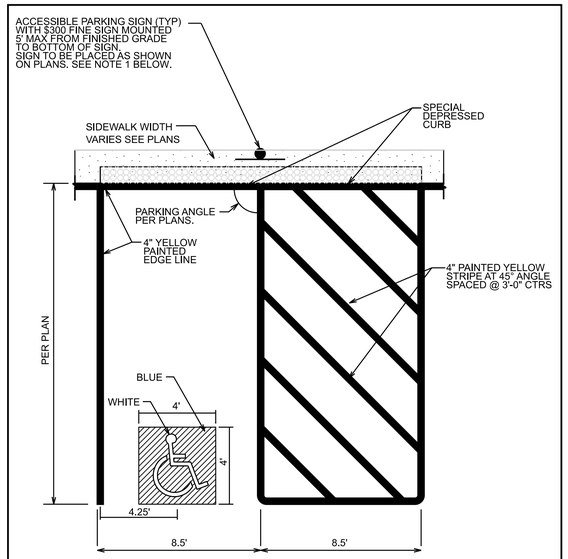
BIOSWALE TYPICAL CROSS SECTION



CURB CUT DETAIL



TYPICAL SECTION - CONCRETE SIDEWALK



NOTES:

1. MOUNTING FOR HANDICAP SIGNS ON SIDEWALK SHALL BE MOUNTED WITH A BARCO PRODUCT MODEL # BPB-98. HEIGHT OF SIGN SHALL MEET IDOT STANDARDS. ALL OTHER SIGN POSTS ARE POST MOUNTED WITH METAL POST, TYPE A.

ACCESSIBLE PARKING STALL DETAIL

ACCESSIBLE PARKING SIGN
WITH $300 FINE SIGN
MUTCD R7-8, 12"x18"

ACCESSIBLE PARKING SIGN

REVISIONS

NO.	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 11/8/2024

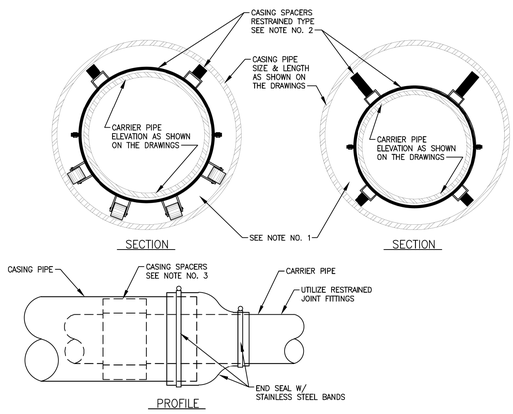
NO.	DATE	DESCRIPTION
1	11/22/24	90% SET FOR REVIEW BY FPD
2	01/17/25	REVISED PER COUNTY COMMENTS
3	02/20/25	BID SET

PROJECT NO.: 240265
PROJECT MANAGER: JH
DESIGNED BY: CW
DRAWN BY: DP

MAPLE MEADOWS GOLF COURSE RENOVATION
CONSTRUCTION DETAILS
WOOD DALE ILLINOIS

7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

DRAWING NO.
C6.15

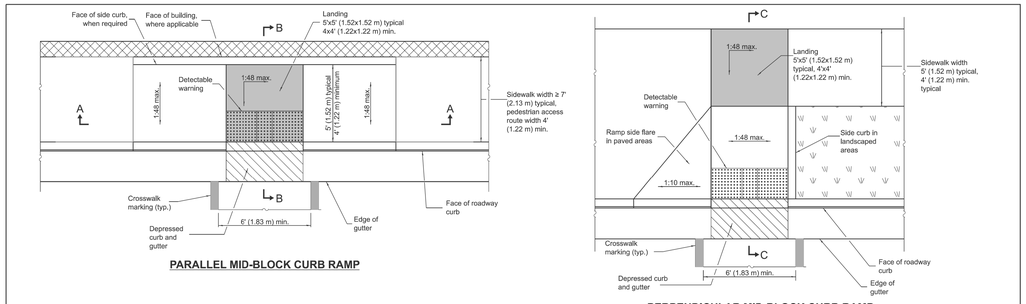


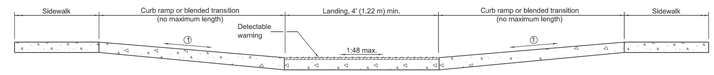
NOTES

1. FILLING OF ANNULAR SPACE BETWEEN CARRIER PIPE AND CASING PIPE WITH SAND OR PEA GRAVEL IS NOT REQUIRED WHEN UTILIZING CASING SPACERS, UNLESS CONTRACTOR IS INSTRUCTED TO DO SO ON DRAWINGS OR IN SPECIFICATIONS.
2. WHERE CARRIER PIPE IS NOT CENTERED IN CASING PIPE, PROVIDE CASING SPACERS WITH LEGS THAT EXTEND TO WITHIN 1-INCH OF CASING INSIDE DIAMETER ON ALL SIDES (RESTRAINED TYPE).
3. PROVIDE NUMBER OF SPACERS AS INSTRUCTED BY SPACER MANUFACTURER, WITH A MINIMUM OF ONE SPACER ON EACH SIDE OF A PIPE JOINT, AND ONE SPACER BETWEEN JOINTS. (THREE (MIN.) PER PIPE LENGTH)
4. ALL CARRIER PIPE INSTALLED WITHIN CASING PIPE TO BE RESTRAINED JOINT TYPE

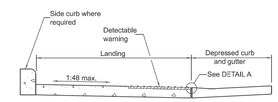
NOT TO SCALE

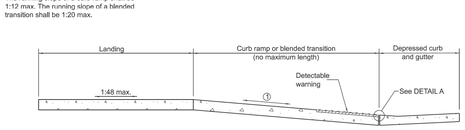
CASING DETAIL

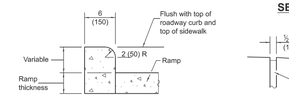




① The running slope of a curb ramp shall be 1:12 max. The running slope of a blended transition shall be 1:20 max.







GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

Where 1:48 maximum slope is shown, 1:64 is preferred.

Detectable warnings are shown in their ideal locations but the following placement tolerances are allowed.

Side Border - Detectable warnings should extend the full width of the walking surface (excluding flared sides) but a border along each side up to 2 in. (50 mm) in. width is allowed.

Curb Set-Back - Detectable warnings located at the back of curb should closely align with the curb but a gap up to 6 in. (150 mm) behind the curb is allowed.

See Standard 606001 for details of depressed curb adjacent to curb ramp.

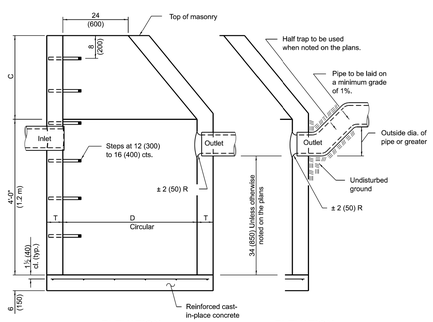
All dimensions are in inches (millimeters) unless otherwise shown.

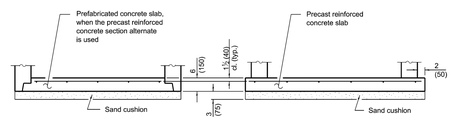
Illinois Department of Transportation
APPROVED January 1, 2025
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2025
ENGINEER OF DESIGN AND ENVIRONMENT
BDE 404 (D-1) C2025B3 (1-1-25)

DATE	REVISIONS
1-1-25	Revised turning space with landing and updated cross-slope.
1-1-19	Removed upper landing, added blended transitions and detectable warning tolerances.

MID-BLOCK CURB RAMPS FOR SIDEWALKS

STANDARD 424016-06





ALTERNATE MATERIALS FOR WALLS	D	C*	T (min.)
Concrete Masonry Unit	4'-0" (1.2 m) 5'-0" (1.5 m)	30 (750) 3'-9" (1.15 m)	5 (125) 5 (125)
Brick Masonry	4'-0" (1.2 m) 5'-0" (1.5 m)	30 (750) 3'-9" (1.15 m)	8 (200) 8 (200)
Precast Reinforced Concrete Section	4'-0" (1.2 m) 5'-0" (1.5 m)	30 (750) 3'-9" (1.15 m)	4 (100) 5 (125)
Cast-in-place Concrete	4'-0" (1.2 m) 5'-0" (1.5 m)	30 (750) 3'-9" (1.15 m)	6 (150) 6 (150)

* For precast reinforced concrete sections, dimension "C" may vary from the dimension given to plus 6 (150).

GENERAL NOTES

Bottom slabs shall be reinforced with a minimum of 0.20 sq. in./ft (420 sq. mm/m) in both directions with a maximum spacing of 12 (300).

Bottom slabs may be connected to the riser as determined by the fabricator; however, only a single row of reinforcement around the perimeter may be utilized.

See Standard 602601 for optional precast reinforced concrete flat slab top.

See Standard 602701 for details of steps.

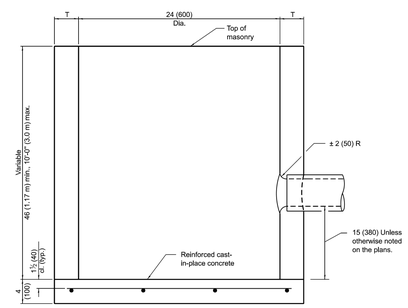
All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
APPROVED January 1, 2011
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2011
ENGINEER OF DESIGN AND ENVIRONMENT
BDE 404 (D-1) C2025B3 (1-1-25)

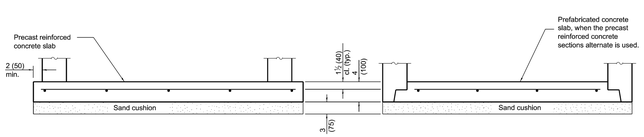
DATE	REVISIONS
1-1-11	Added 'Outside' to half trap note.
	Detail rein. in slabs. Revised general notes.
1-1-09	Switched units to English (metric).

CATCH BASIN TYPE A

STANDARD 602001-02



ALTERNATE MATERIALS FOR WALLS	T (min)
Precast Reinforced Concrete Section	3 (75)
Concrete Masonry Unit	5 (125)
Cast-in-Place Concrete	6 (150)
Brick Masonry	8 (200)



GENERAL NOTES

Bottom slabs shall be reinforced with a minimum of 0.27 sq. in./ft. (570 sq. mm/m) in both directions with a maximum spacing of 9 (230).

Bottom slabs may be connected to the riser as determined by the fabricator; however, only a single row of reinforcement around the perimeter may be utilized.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
APPROVED January 1, 2011
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2011
ENGINEER OF DESIGN AND ENVIRONMENT
BDE 404 (D-1) C2025B3 (1-1-25)

DATE	REVISIONS
1-1-11	Detailed rein. in slabs. Added max limit to height. Added general notes.
1-1-09	Switched units to English (metric).

CATCH BASIN TYPE C

STANDARD 602011-02

REVISIONS

NO.	DATE	DESCRIPTION
1	11/22/24	90% SET FOR REVIEW BY FPD
2	01/17/25	REVISED PER COUNTY COMMENTS
3	02/20/25	BID SET

ORIGINAL ISSUE DATE: 11/8/2024

PROJECT NO.: 240265
PROJECT MANAGER: JH
DESIGNED BY: CW
DRAWN BY: DP

MAPLE MEADOWS GOLF COURSE RENOVATION
CONSTRUCTION DETAILS
WOOD DALE ILLINOIS

7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
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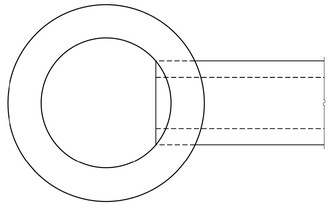
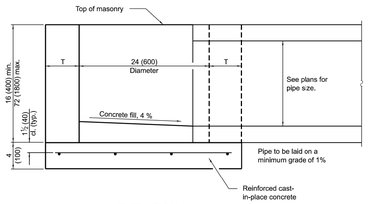
DRAWING NO.
C6.16

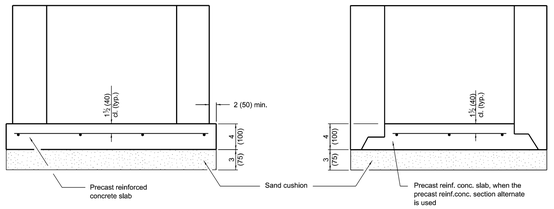


PLAN



ELEVATION

ALTERNATE MATERIALS FOR WALLS	T
BRICK MASONRY	8 (200)
CAST-IN-PLACE CONCRETE	6 (150)
CONCRETE MASONRY UNIT	5 (125)
PRECAST REINFORCED CONCRETE SECTION	3 (75)



ALTERNATE METHODS

GENERAL NOTES

Bottom slabs shall be reinforced with a minimum of 0.24 sq. in./ft. (510 sq. mm/m) in both directions with a maximum spacing of 10 (250).

Bottom slabs may be connected to the riser as determined by the fabricator; however, only a single row of reinforcement around the perimeter may be utilized.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

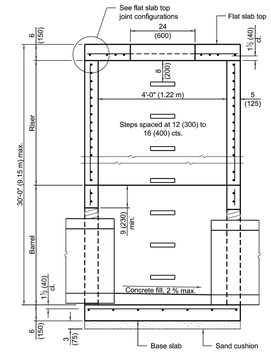
APPROVED January 1, 2014
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2014
ENGINEER OF DESIGN AND ENVIRONMENT

BDM-CED 1-18-P

DATE	REVISIONS
1-1-14	Increased height to 72 (1800) maximum.
1-1-11	Detailed rein. in slabs. Added max. limit to hight. Added general notes.

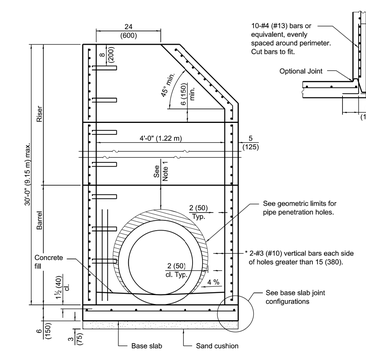
INLET - TYPE A

STANDARD 602301-04



SECTION PARALLEL TO PIPE

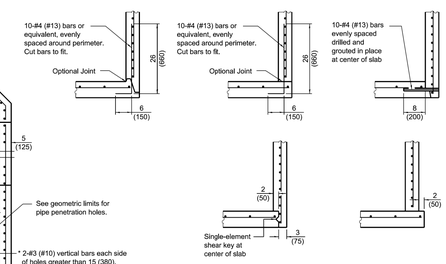
(Without conical top riser)



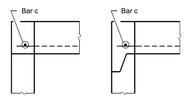
SECTION PERPENDICULAR TO PIPE

(With conical top riser)

* As an alternate, the barrel wall reinforcement may be reduced to riser wall reinforcement with #3 (#10) bars placed around the pipe penetration holes as shown. This option may be utilized when the pipe penetration holes are formed as opposed to cored.



BASE SLAB JOINT CONFIGURATIONS



FLAT SLAB TOP JOINT CONFIGURATIONS

(Shown at access hole)

GEOMETRIC LIMITS FOR PIPE PENETRATION HOLES

Note 1: A minimum of 9 (230) of monolithic reinforced concrete shall be maintained above pipe penetration holes > 24 (600).

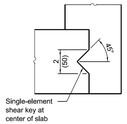
Note 2: A minimum 12 (300) inside arc length of reinforced concrete shall be maintained between pipe penetration holes > 15 (380).

Note 3: A maximum of 60 percent of the inside perimeter of the reinforced concrete manhole walls may be removed.

Note 4: Horizontal joints that intersect pipe penetration holes > 15 (380) shall have one joint splice for every location around the perimeter of the joint where the inside arc length between pipe penetration holes is < 24 (600). See joint splice detail.

Note 5: The recommended pipe penetration hole is equal to the O.D. of the pipe plus 4 (100).

Note 6: Only pipe penetration holes ≤ 15 (380) are allowed in riser sections.



SHEAR KEY GEOMETRY

(Reinforcement not shown for clarity)

GENERAL NOTES

The manufacturer shall ensure that all precast manhole sections are additionally reinforced where required to resist damage from handling, shipping and installation stresses.

Lifting holes shall be located in the sections as per the manufacturer's recommendations.

See Standard 602701 for details of manhole steps.

All dimensions are in inches (millimeters) unless otherwise noted.

Illinois Department of Transportation

APPROVED January 1, 2021
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2021
ENGINEER OF DESIGN AND ENVIRONMENT

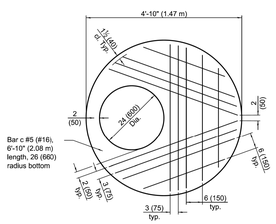
BR-11 02/05/08

DATE	REVISIONS
1-1-21	Revised Note 1 and lift hole general note.
3-1-19	Moved wall reinforcement from inside face to middle.

PRECAST MANHOLE TYPE A
4' (1.22 m) DIAMETER

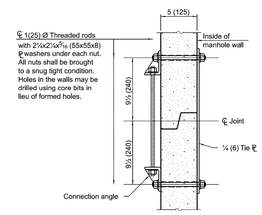
(Sheet 1 of 2)

STANDARD 602401-07



PLAN - FLAT SLAB TOP

(Showing layout of reinforcement bars and c bars)



JOINT SPLICE

FLAT SLAB TOP REINFORCEMENT

Location	WWR (each direction)		Rebar		
	A_s(min.)	Spacing (max.)	A_s(min.)	Spacing (max.)	Bar Size
Bottom Mat	** 0.62 sq. in./ft. (1312 sq. mm/m)	6 (150)	See plan view for rebar orientation and spacing and this table for bar size		#5 (#16)

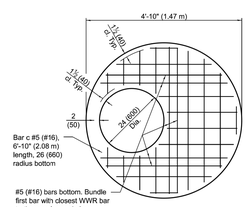
** Only one layer of WWR permitted to avoid congestion.

WALL REINFORCEMENT

Location	Orientation	WWR or Rebar	
		A_s(min.)	Spacing (max.)
Riser	Circumferential	0.12 sq. in./ft. (254 sq. mm/m)	6 (150)
	Vertical	0.045 sq. in./ft. (95 sq. mm/m)	8 (200)
Barrel	Circumferential	0.12 sq. in./ft. (254 sq. mm/m)	6 (150)
	Vertical	0.16 sq. in./ft. (339 sq. mm/m)	4 (100)

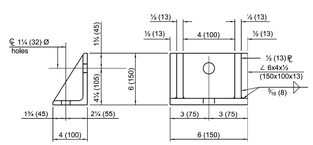
BASE SLAB REINFORCEMENT

Location	Total Height	WWR or Rebar (each direction)	
		A_s(min.)	Spacing (max.)
Top Mat	≤ 20 ft. (6.10 m)	0.24 sq. in./ft. (508 sq. mm/m)	10 (250)
	> 20 ft. (6.10 m)	0.24 sq. in./ft. (508 sq. mm/m)	10 (250)

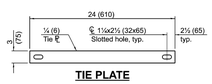


PLAN - FLAT SLAB TOP

(Showing layout of welded wire reinforcement and c bars)



CONNECTION ANGLE



TIE PLATE

Illinois Department of Transportation

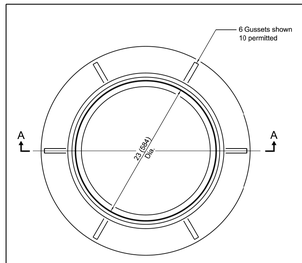
APPROVED January 1, 2021
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2021
ENGINEER OF DESIGN AND ENVIRONMENT

BR-11 02/05/08

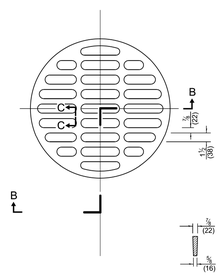
PRECAST MANHOLE TYPE A
4' (1.22 m) DIAMETER

(Sheet 2 of 2)

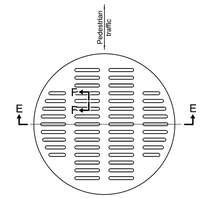
STANDARD 602401-07



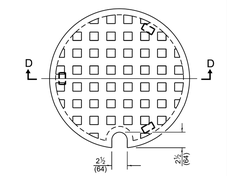
CAST FRAME

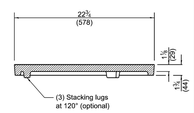


SECTION C-C



SECTION F-F

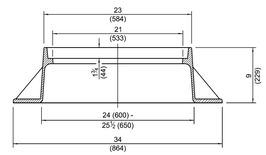




SECTION D-D

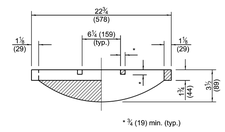
CAST CLOSED LID

Gray Iron Lid



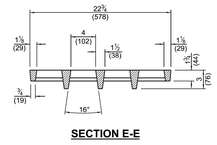
SECTION A-A

Gray Iron



SECTION B-B

CAST OPEN LID



SECTION E-E

ADA COMPLIANT CAST OPEN LID

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

APPROVED January 1, 2020
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2020
ENGINEER OF DESIGN AND ENVIRONMENT

BR-11 02/05/08

DATE	REVISIONS
1-1-20	Revised dimension in Section B-B of cast open lid.
1-1-15	Revised dimensioning of frame. Added ADA compliant open lid.

FRAME AND LIDS
TYPE 1

STANDARD 604001-05

REVISIONS

NO.	DATE	DESCRIPTION
1	11/22/24	90% SET FOR REVIEW BY FPD
2	01/17/25	REVISED PER COUNTY COMMENTS
3	02/20/25	BID SET

ORIGINAL ISSUE DATE: 11/8/2024

PROJECT NO.: 240265
PROJECT MANAGER: JH
DESIGNED BY: CW
DRAWN BY: DP

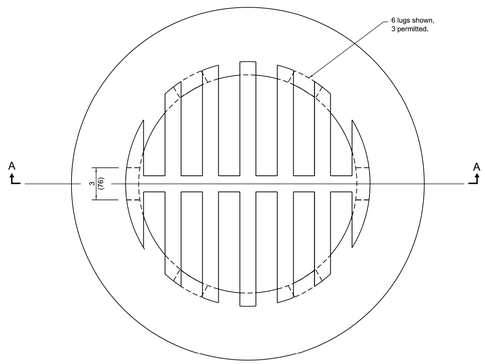
MAPLE MEADOWS GOLF COURSE RENOVATION
CONSTRUCTION DETAILS

WOOD DALE ILLINOIS

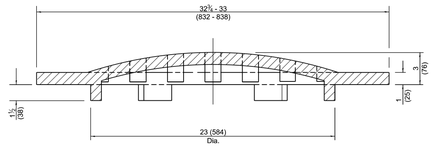
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

DRAWING NO.

C6.17



CAST GRATE



SECTION A-A

Illinois Department of Transportation

APPROVED January 1, 2015
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2015
ENGINEER OF DESIGN AND ENVIRONMENT

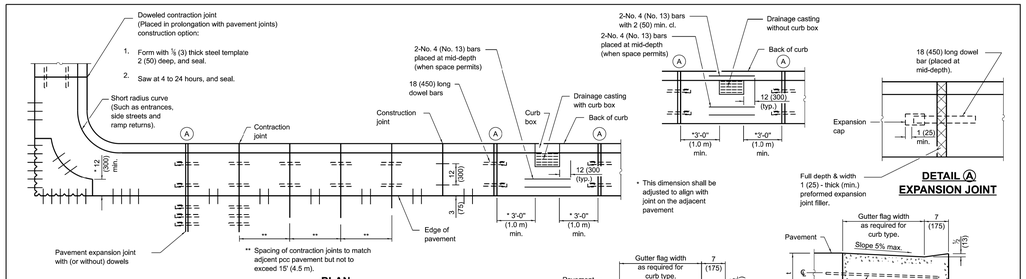
BBS(CD) 1-18-F

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-15	Revised dimensions.
1-1-09	Switched units to English (metric).

GRATE TYPE 8

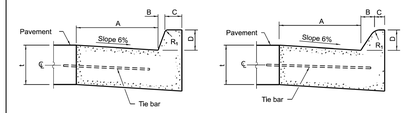
STANDARD 604036-03



PLAN

ADJACENT TO PCC PAVEMENT OR PCC BASE COURSE

DETAIL Ⓐ
EXPANSION JOINT



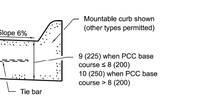
BARRIER CURB

MOUNTABLE CURB

TABLE OF DIMENSIONS BARRIER CURB					
TYPE	A	B	C	D	R_1
B-6.06 *	6 (150)	1 (25)	6 (150)	6 (150)	1 (25)
B-6.12 (B-15.3)	12 (300)	1 (25)	6 (150)	6 (150)	1 (25)
B-6.18 (B-15.45)	18 (450)	1 (25)	6 (150)	6 (150)	1 (25)
B-6.24 (B-15.60)	24 (600)	1 (25)	6 (150)	6 (150)	1 (25)
B-9.12 (B-22.30)	12 (300)	2 (50)	5 (125)	9 (225)	1 (25)
B-9.18 (B-22.45)	18 (450)	2 (50)	5 (125)	9 (225)	1 (25)
B-9.24 (B-22.60)	24 (600)	2 (50)	5 (125)	9 (225)	1 (25)

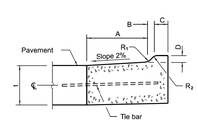
* For corner islands only.

TABLE OF DIMENSIONS MOUNTABLE CURB						
TYPE	A	B	C	D	R_1	R_3
M-2.06 (M-5.15)	6 (150)	2 (50)	4 (100)	2 (50)	3 (75)	2 (50)
M-2.12 (M-5.30)	12 (300)	2 (50)	4 (100)	2 (50)	3 (75)	2 (50)
M-4.06 (M-10.15)	6 (150)	4 (100)	3 (75)	4 (100)	3 (75)	NA
M-4.12 (M-10.30)	12 (300)	4 (100)	3 (75)	4 (100)	3 (75)	NA
M-4.18 (M-10.45)	18 (450)	4 (100)	3 (75)	4 (100)	3 (75)	NA
M-4.24 (M-10.60)	24 (600)	4 (100)	3 (75)	4 (100)	3 (75)	NA
M-6.06 (M-15.15)	6 (150)	6 (150)	2 (50)	6 (150)	2 (50)	NA
M-6.12 (M-15.30)	12 (300)	6 (150)	2 (50)	6 (150)	2 (50)	NA
M-6.18 (M-15.45)	18 (450)	6 (150)	2 (50)	6 (150)	2 (50)	NA
M-6.24 (M-15.60)	24 (600)	6 (150)	2 (50)	6 (150)	2 (50)	NA

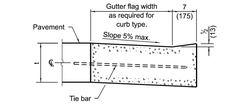


DEPRESSED CURB (TYPICAL)

ADJACENT TO PCC BASE COURSE WITH HMA SURFACING



M-2.06 (M-5.15) and M-2.12 (M-5.30)



DEPRESSED CURB ADJACENT TO CURB RAMP ACCESSIBLE TO THE DISABLED

GENERAL NOTES

The bottom slope of combination curb and gutter constructed adjacent to pcc pavement shall be the same slope as the subbase or 6% when subbase is omitted.

t = Thickness of pavement.

Longitudinal joint tie bars shall be No. 6 (No. 19) at 36 (900) centers in accordance with details for longitudinal construction joint shown on Standard 420001.

A minimum clearance of 2 (50) between the end of the tie bar and the back of the curb shall be maintained.

The dowel bars shown in contraction joints will only be required for monolithic construction.

See Standard 606301 for details of corner islands.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

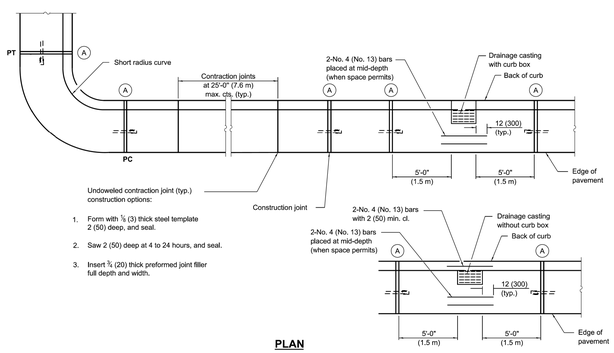
APPROVED January 1, 2022
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2022
ENGINEER OF DESIGN AND ENVIRONMENT

BR-11 12/20/08

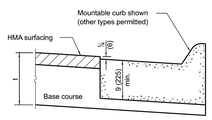
DATE	REVISIONS
1-1-22	Revised contract joint spacing
	adjacent to pcc pavement.
1-1-18	Revised General Note for tie bar
	spacing to 36 (900) cts.

CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
(Sheet 1 of 2)

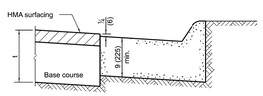
STANDARD 606001-08



PLAN

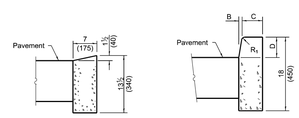


ON DISTURBED SUBGRADE



ON UNDISTURBED SUBGRADE

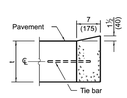
ADJACENT TO FLEXIBLE PAVEMENT



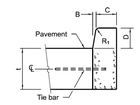
DEPRESSED CURB

BARRIER CURB

ADJACENT TO FLEXIBLE PAVEMENT



DEPRESSED CURB



BARRIER CURB

ADJACENT TO PCC PAVEMENT OR PCC BASE COURSE

CONCRETE CURB TYPE B

CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
(Sheet 2 of 2)

STANDARD 606001-08

REVISIONS

NO.	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 11/8/2024

NO.	DATE	DESCRIPTION
1	11/22/24	90% SET FOR REVIEW BY FPD
2	01/17/25	REVISED PER COUNTY COMMENTS
3	02/20/25	BID SET

PROJECT NO.: 240265
PROJECT MANAGER: JH
DESIGNED BY: CW
DRAWN BY: DP

MAPLE MEADOWS GOLF COURSE RENOVATION
CONSTRUCTION DETAILS
WOOD DALE ILLINOIS

7325 Janes Avenue
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630.724.9200 phone
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DRAWING NO.
C6.18