RICHMOND COMMUNITY SCHOOLS

RICHMOND HIGH SCHOOL
Athletic Field Renovation

Richmond, Michigan
PROJECT NO. 2019-079.1

JANUARY 9, 2020 BID DOCUMENTS

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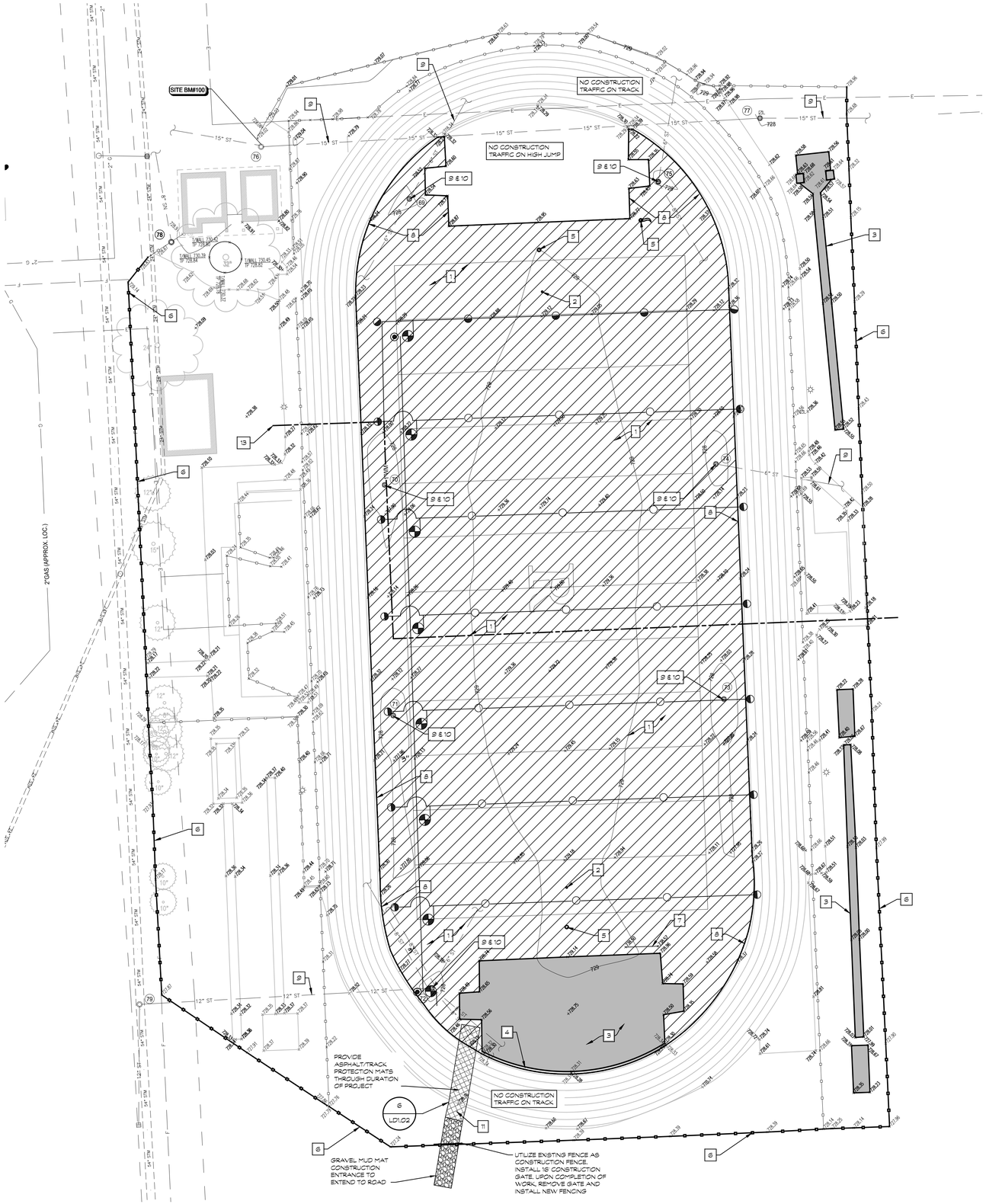
2017-08 RSD - DEERFIELD ELEMENTARY - SECURE ENTRANCE



STRUCTURE TABLE

#	TYPE	RIM	SIZE	INVERT	TO	STRUCTURE/ BEARING	NOTES
69	**ROUND CATCH BASIN**	727.79	6"	725.49	TO	NORTHEAST	
			6"	724.54	TO	SOUTHWEST	
				724.89	TO		TOP OF WATER
				722.59	TO		BOTTOM OF MANHOLE
70	**ROUND CATCH BASIN**	727.60					FULL OF DEBRIS
				726.30	TO		TOP OF WATER
				726.20	TO		TOP OF DEBRIS
71	**ROUND CATCH BASIN**	727.66					FULL OF DEBRIS
				726.26	TO		TOP OF DEBRIS
72	**ROUND CATCH BASIN**	727.69	8"	723.69	TO	SOUTHEAST	
			8"	721.44	TO	SOUTHEAST	
			8"	724.04	TO	NORTHWEST	
			12"	721.69	TO	WEST/ #79	
			8"	721.80	TO	NORTHWEST	
			6"	723.49	TO	NORTHEAST	
73	**ROUND CATCH BASIN**	727.65		727.65	TO		FULL OF DEBRIS
				726.10	TO		TOP OF WATER
				726.05	TO		TOP OF DEBRIS
74	**ROUND CATCH BASIN**	727.75	6"	726.80	TO	EAST	
				726.40	TO		TOP OF WATER
75	**ROUND CATCH BASIN**	727.73	6"	725.60	TO	NORTH	
			8"	724.64	TO	SOUTHEAST	
76	**STORM MANHOLE**	728.91	15"	722.11	TO	EAST/ #77	
			15"	721.26	TO	WEST	
77	**ROUND CATCH BASIN**	727.88	15"	723.48	TO	EAST	
			15"	723.53	TO	WEST/ #76	
78	**SANITARY MANHOLE**	728.74	8"	722.76	TO	NORTH	
79	**STORM MANHOLE**	726.39	12"	721.91	TO	EAST/ #72	
			54"	715.96		NORTH	
			54"	715.96		SOUTH	
			12"	721.89		SOUTH	(RECORD)
				714.49	TO		BOTTOM OF MANHOLE

THE STRUCTURE TABLE ON THIS DRAWING IDENTIFIES THE AS-SURVEYED UNDERGROUND UTILITY MANHOLES THAT WERE FIELD MEASURED USING REASONABLE AND TRADITIONAL SURVEYING PRACTICES. PIPE SIZES, DIRECTIONS AND ELEVATIONS ARE INDICATED BY A COMBINATION OF FIELD EVIDENCE AND AVAILABLE RECORD INFORMATION. UNDERGROUND UTILITY PIPE SIZES AND CONNECTIONS ARE MANY TIMES AMBIGUOUS. SOME STRUCTURES MAY HAVE PIPES WITH UNKNOWN CONNECTIONS, SUMPS AND / OR PIPES THAT ARE FILLED WITH DEBRIS. IT WILL BE UP TO THE DESIGN ENGINEER TO LOOK AT THE PRESENTED SURVEY RESULTS AND DECIDE IF FURTHER INVESTIGATION BY OTHER METHODS SUCH AS VACUUM CLEAN OUT, UNDERGROUND RADAR, SMOKE TESTING AND PHYSICAL EXCAVATION IS REQUIRED AS AN ADDITIONAL SERVICE.

LEGEND

EXISTING

- SPOT ELEVATION
- FENCE
- DRAINAGE STRUCTURE
- STORM DRAIN
- LIGHT POLE
- ELECTRICAL
- WATER
- TELEPHONE
- IRRIGATION
- PROPERTY
- SANITARY
- GAS

PROPOSED

- SPOT GRADE
- T/TeXXXXX TOP OF TRENCH ELEVATION
- T/CuXXXXX TOP OF CURB ELEVATION
- T/WaXXXXX TOP OF WALL ELEVATION
- DRAINAGE SWALE
- FENCE - SEE PLANS FOR HT.
- DRAINAGE STRUCTURE
- STORM DRAIN
- FLAT DRAIN
- 6" PERFORATED DRAINTILE
- 8" PERFORATED DRAINTILE
- LIGHT POLE
- ELECTRICAL
- WATER
- TELEPHONE
- IRRIGATION
- LIMITS OF CONSTRUCTION
- 4" CONCRETE OVER COMPACTED SAND
- DEMOLITION
- TOPSOIL AND SEED
- SYNTHETIC TURF

0 15 30 60

SCALE: 1"=30'

BENCHMARK DESCRIPTIONS

SITE BM#100	CHISELED "+" ON EAST RIM OF STORM MANHOLE, LOCATED ± 42 FEET NORTHWEST OF THE NORTHWEST EDGE OF ASPHALT TRACK..	ELEV.=728.90
SITE BM#101	FINISHED FLOOR AT ENTRANCE 9 OF THE HIGH SCHOOL.	ELEV.=730.44

DEMOLITION LEGEND:

1. STRIP EXISTING TOPSOIL AND STOCKPILE ONSITE, TO WEST OF HIGH SCHOOL BUILDING. COORDINATE EXACT LOCATION WITH CONSTRUCTION MANAGER. ABANDON EXISTING IRRIGATION MAINLINE, LATERAL LINES, VALVES, AND HEADS WITHIN FIELD.
2. FIELD VERIFY RADIUS POINT MONUMENT AND PRESERVE FOR FUTURE USE
3. REMOVE EXISTING ALL-WEATHER SURFACE, ASPHALT, CONCRETE AND BASE
4. SAWCUT AND REMOVE EXISTING TRENCH DRAIN AND DRAINTILE (±105LF)
5. REMOVE EXISTING GOALPOST AND FOOTING
6. REMOVE EXISTING CHAINLINK FENCE. BACKFILL ALL FOUNDATIONS WITH PEASTONE IMMEDIATELY AFTER FOUNDATION REMOVAL.
7. PROTECT EXISTING SCOREBOARD AND EXISTING ELECTRICAL SERVICE
8. SAWCUT EXISTING EDGE OF TRACK (±3 INCH WIDTH)
9. POWER FLUSH ALL EXISTING DRAIN LINES AND CLEAN DEBRIS FROM ALL SUMPS. VERIFY ALL EXISTING DRAIN LINES ARE FUNCTIONAL AND CONNECTED.
10. ADJUST RIM OF STRUCTURE TO BE MIN. 12" BELOW FINISH GRADE
11. TEMPORARY CONSTRUCTION ACCESS. PROTECT EXISTING PAVEMENT FROM DAMAGE. REMOVE FENCE AS NECESSARY AND REPLACE FENCING UPON COMPLETION. VERIFY EXACT LOCATION IN THE FIELD
12. REMOVE AND DISPOSE OF EXISTING FLAGPOLE
13. CUT AND CAP EXISTING IRRIGATION MAINLINE ON OUTSIDE OF TRACK. ABANDON EXISTING MAINLINE UNDER TRACK AND THROUGH FIELD

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PROJECT

Richmond Community Schools:
Athletic Field Renovation

Richmond, Michigan

SHEET

Existing Conditions & Demolition Plan

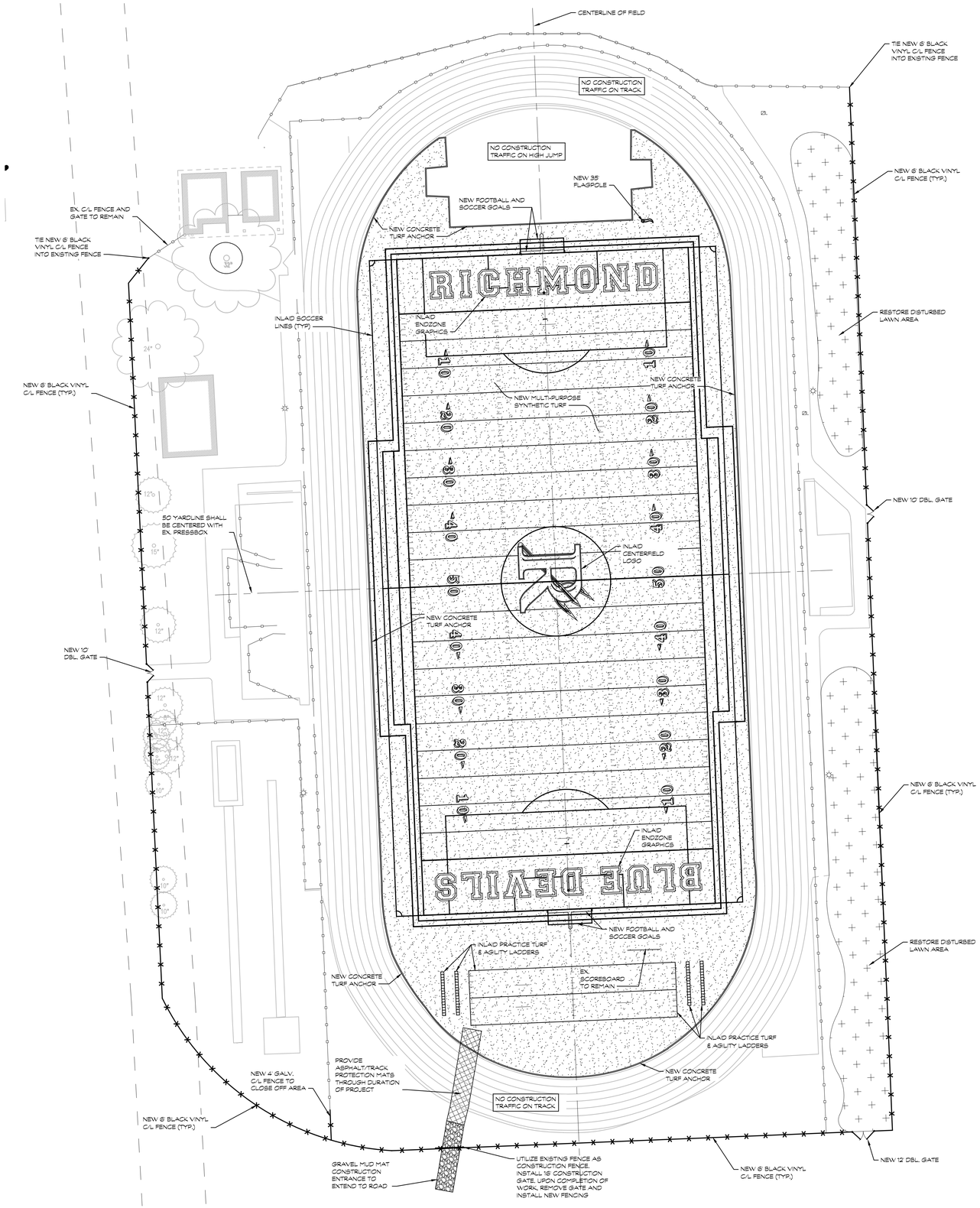
PROJECT NUMBER

2019-079.1

SHEET NUMBER

L1.01

2019-079.1 Athletic Field Renovation



LEGEND

EXISTING

- SPOT ELEVATION
- FENCE
- DRAINAGE STRUCTURE
- STORM DRAIN
- LIGHT POLE
- ELECTRICAL
- WATER
- TELEPHONE
- IRRIGATION
- PROPERTY
- SANITARY
- GAS

PROPOSED

- SPOT GRADE
- T/TeXXXXX TOP OF TRENCH ELEVATION
- T/CuXXXXX TOP OF CURB ELEVATION
- T/WaXXXXX TOP OF WALL ELEVATION
- DRAINAGE SWALE
- FENCE - SEE PLANS FOR HT.
- DRAINAGE STRUCTURE
- ST STORM DRAIN
- FLAT DRAIN
- 6" PERFORATED DRAINTILE
- 8" DT 8" PERFORATED DRAINTILE
- LIGHT POLE
- E ELECTRICAL
- W WATER
- T TELEPHONE
- IRR IRRIGATION
- LIMITS OF CONSTRUCTION
- 4" CONCRETE OVER COMPACTED SAND
- DEMOLITION
- TOPSOIL AND SEED
- SYNTHETIC TURF

0 15 30 60

SCALE: 1"=30'

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PROJECT

Richmond Community Schools: Athletic Field Renovation

Richmond, Michigan

SHEET

SIte Plan

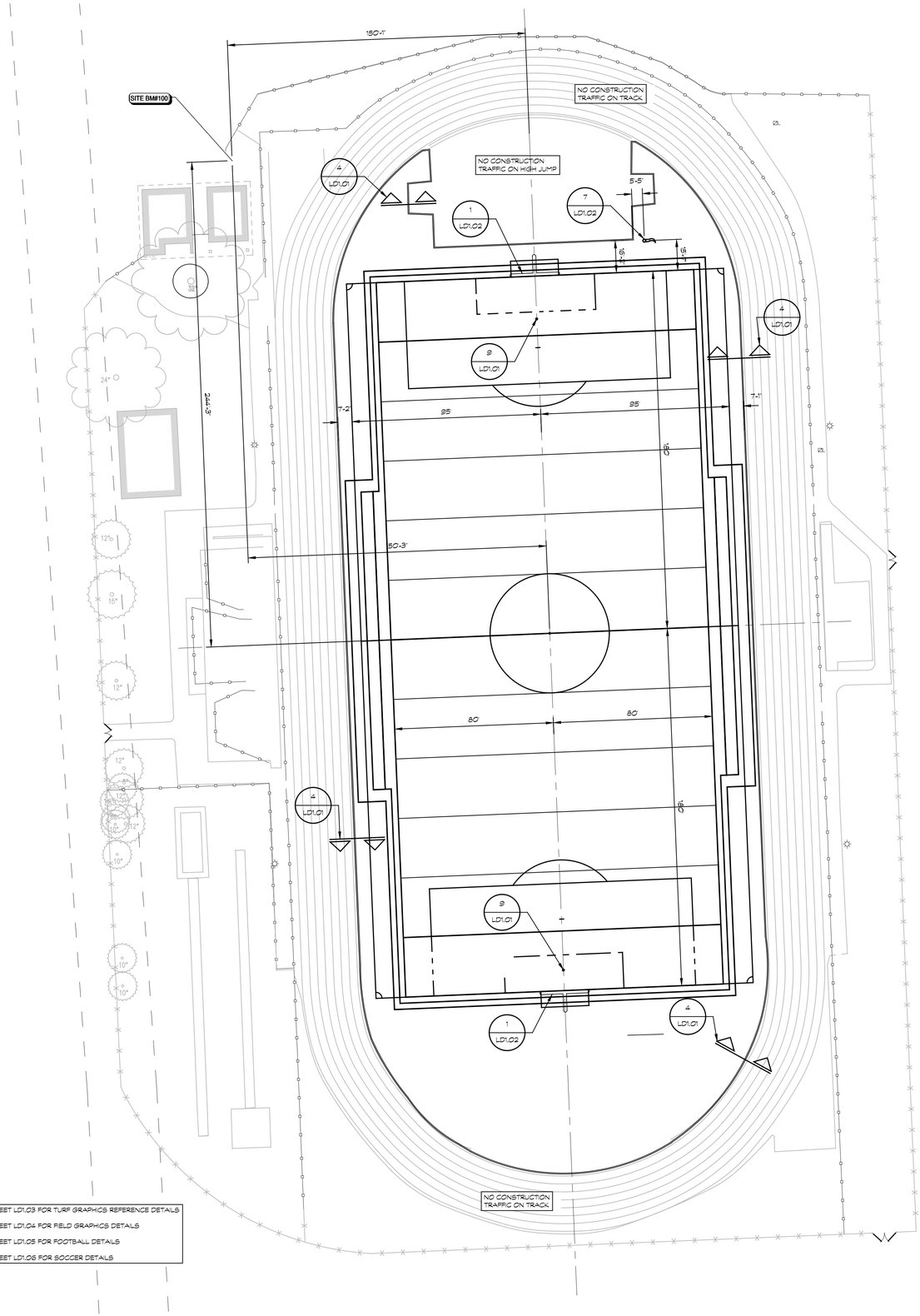
PROJECT NUMBER

2019-079.1

SHEET NUMBER

L1.02

2019-079.1 Athletic Field Renovation



SEE SHEET LD1.03 FOR TURF GRAPHICS REFERENCE DETAILS
SEE SHEET LD1.04 FOR FIELD GRAPHICS DETAILS
SEE SHEET LD1.05 FOR FOOTBALL DETAILS
SEE SHEET LD1.06 FOR SOCCER DETAILS

LEGEND

EXISTING

- SPOT ELEVATION
- FENCE
- DRAINAGE STRUCTURE
- STORM DRAIN
- LIGHT POLE
- ELECTRICAL
- WATER
- TELEPHONE
- IRRIGATION
- PROPERTY
- SANITARY
- GAS

PROPOSED

- SPOT GRADE
- T/TeXXX.XX — TOP OF TRENCH ELEVATION
- T/CuXXX.XX — TOP OF CURB ELEVATION
- T/WaXXX.XX — TOP OF WALL ELEVATION
- DRAINAGE SWALE
- FENCE - SEE PLANS FOR HT.
- DRAINAGE STRUCTURE
- STORM DRAIN
- FLAT DRAIN
- 6" PERFORATED DRAINTILE
- 8" PERFORATED DRAINTILE
- LIGHT POLE
- ELECTRICAL
- WATER
- TELEPHONE
- IRRIGATION
- LIMITS OF CONSTRUCTION
- 4" CONCRETE OVER COMPACTED SAND
- DEMOLITION
- TOPSOIL AND SEED
- SYNTHETIC TURF

0 15 30 60

SCALE: 1"=30'

BENCHMARK DESCRIPTIONS

SITE BM#100	CHISELED "+" ON EAST RIM OF STORM MANHOLE, LOCATED ± 42 FEET NORTHWEST OF THE NORTHWEST EDGE OF ASPHALT TRACK..	ELEV.=728.90
SITE BM#101	FINISHED FLOOR AT ENTRANCE 9 OF THE HIGH SCHOOL.	ELEV.=730.44

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PROJECT

Richmond Community Schools:
Athletic Field Renovation

Richmond, Michigan

SHEET

Dimension Plan

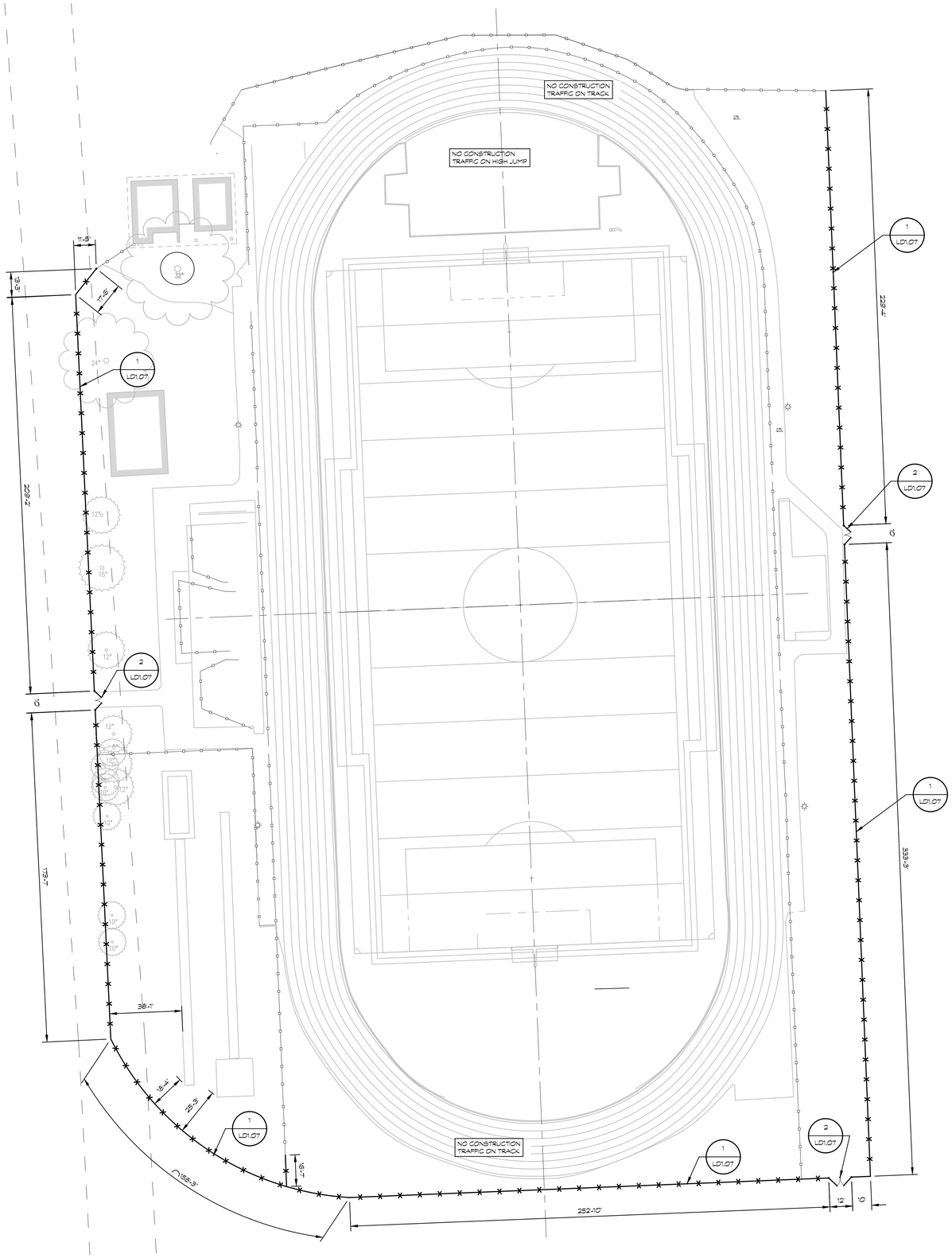
PROJECT NUMBER

2019-079.1

SHEET NUMBER

L1.03

2019-079.1 Athletic Field Renovation



LEGEND

EXISTING

- SPOT ELEVATION
- FENCE
- DRAINAGE STRUCTURE
- STORM DRAIN
- LIGHT POLE
- ELECTRICAL
- WATER
- TELEPHONE
- IRRIGATION
- PROPERTY
- SANITARY
- GAS

PROPOSED

- 100.00 SPOT GRADE
- T/TeXXX.XX TOP OF TRENCH ELEVATION
- T/CuXXX.XX TOP OF CURB ELEVATION
- T/WaXXX.XX TOP OF WALL ELEVATION
- DRAINAGE SWALE
- FENCE - SEE PLANS FOR HT.
- DRAINAGE STRUCTURE
- ST STORM DRAIN
- FLAT DRAIN
- 6" PERFORATED DRAINTILE
- 8 DT 8" PERFORATED DRAINTILE
- LIGHT POLE
- E ELECTRICAL
- W WATER
- T TELEPHONE
- IRR IRRIGATION
- LIMITS OF CONSTRUCTION
- 4" CONCRETE OVER COMPACTED SAND
- DEMOLITION
- TOPSOIL AND SEED
- SYNTHETIC TURF

0 15 30 60

SCALE: 1"=30'

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PROJECT

Richmond Community Schools:
Athletic Field Renovation

Richmond, Michigan

SHEET

Fence Plan

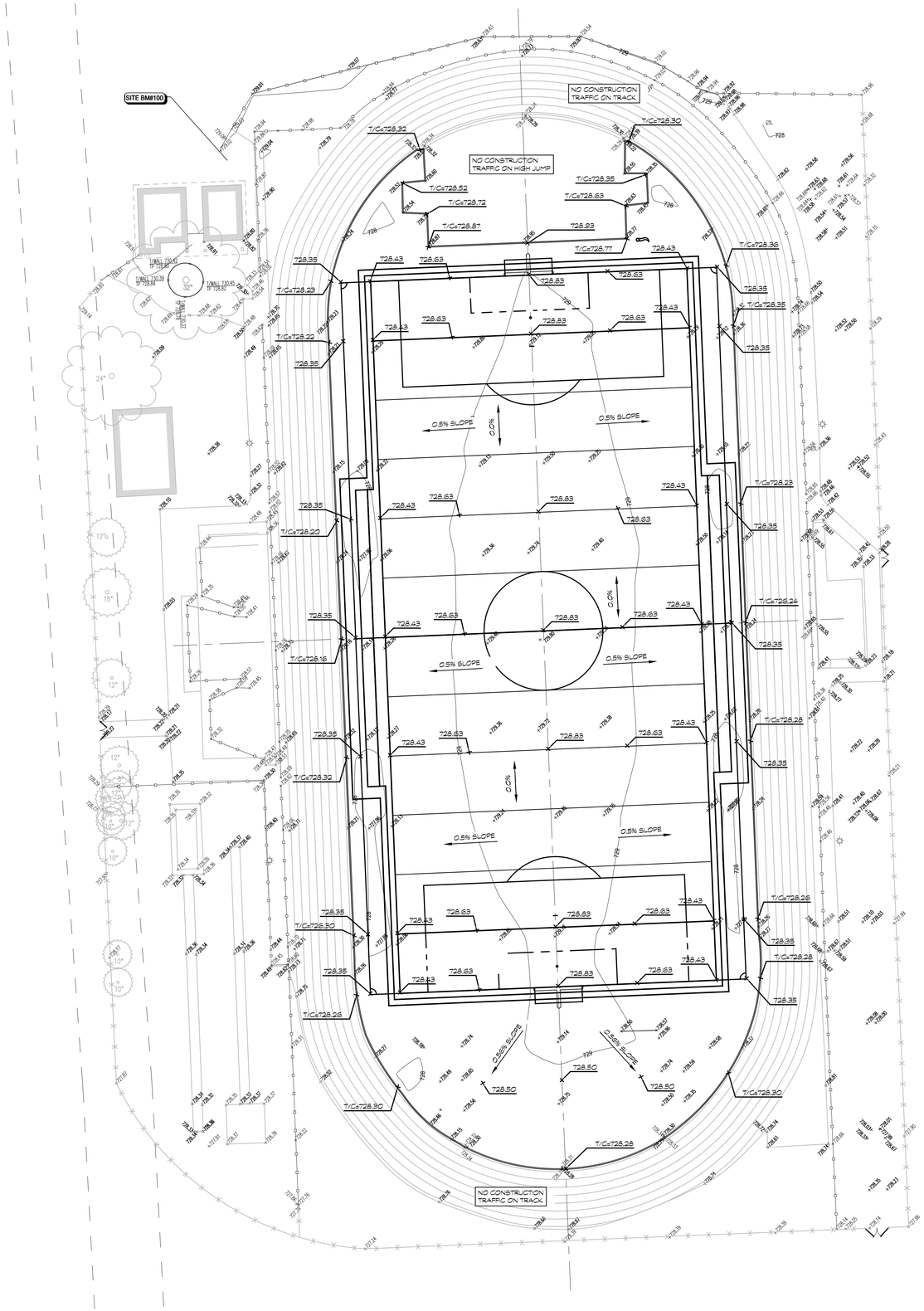
PROJECT NUMBER

2019-079.1

SHEET NUMBER

L1.04

2019-079.1 Athletic Field Renovation



LEGEND

EXISTING

- SPOT ELEVATION
- FENCE
- DRAINAGE STRUCTURE
- STORM DRAIN
- LIGHT POLE
- ELECTRICAL
- WATER
- TELEPHONE
- IRRIGATION
- PROPERTY
- SANITARY
- GAS

PROPOSED

- 100.00 SPOT GRADE
- T/TeXXX.XX TOP OF TRENCH ELEVATION
- T/CuXXX.XX TOP OF CURB ELEVATION
- T/WaXXX.XX TOP OF WALL ELEVATION
- DRAINAGE SWALE
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- DRAINAGE STRUCTURE
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- 6" PERFORATED DRAINTILE
- 8 DT 8" PERFORATED DRAINTILE
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- IRR IRRIGATION
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PROJECT

Richmond Community Schools:
Athletic Field Renovation

Richmond, Michigan

SHEET

Gradlng Plan

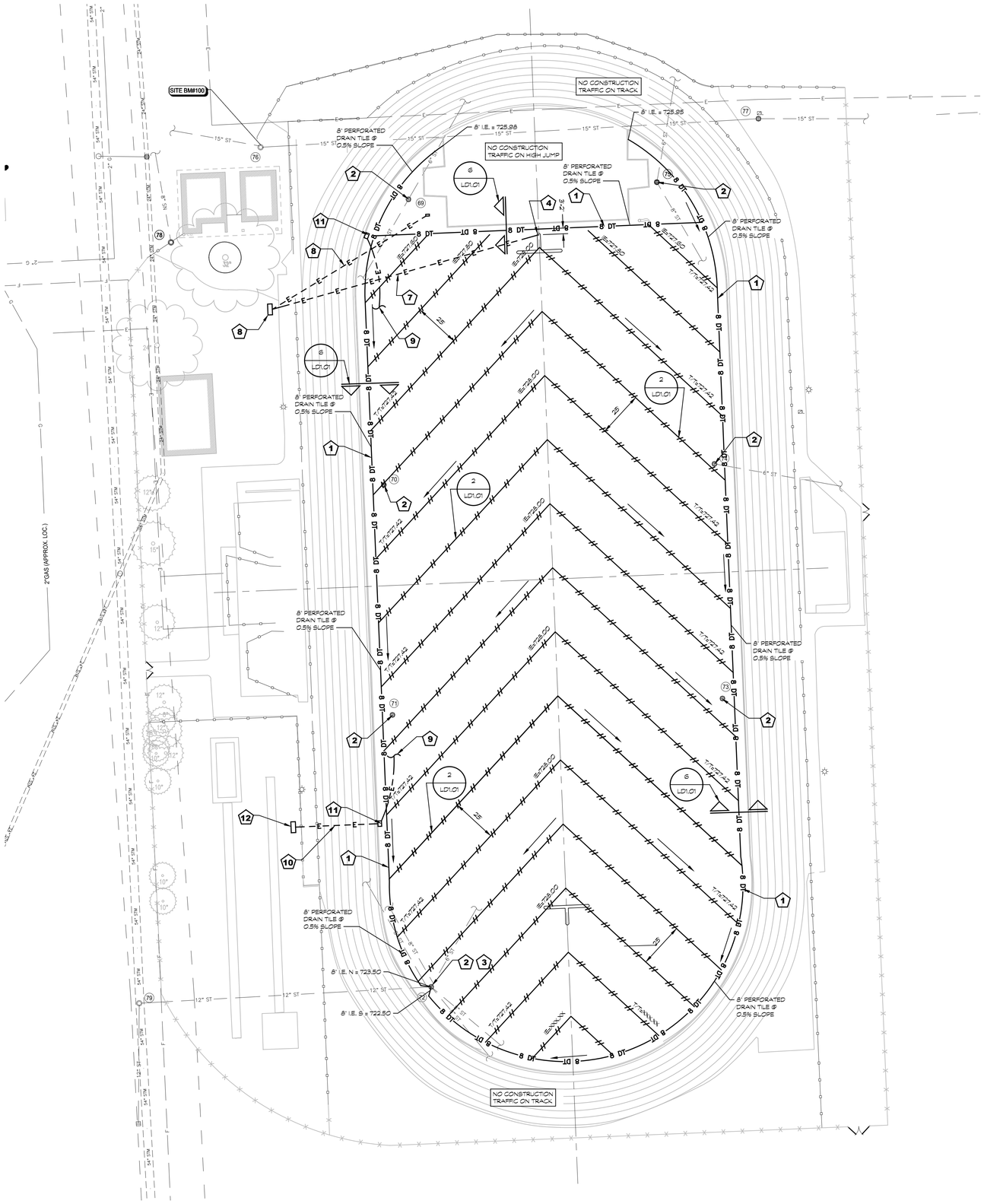
PROJECT NUMBER

2019-079.1

SHEET NUMBER

L1.05

2019-079.1 Athletic Field Renovation



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STADIUM UTILITY LEGEND:

1. NEW 8" N12 COLLECTOR PIPE
2. ADJUST RIM OF EXISTING STRUCTURE MIN. 12" BELOW PROPOSED FINISHED GRADE. SEE DETAIL #7, SHEET LD1.01
3. TAP/MORTAR NEW 8" COLLECTOR PIPE TO EXISTING STRUCTURE
4. NEW PRE-MANUFACTURED GOALPOST BOX FOR CAMERA ACCESS
5. NEW 15"X18" PRE-MANUFACTURED COMMUNICATION BOX TO SERVE AS JUNCTION FOR FUTURE PLAY CLOCK
6. NEW 18"X30" PRE-MANUFACTURED QUAZITE BOX TO SERVE AS JUNCTION FOR CONDUITS FOR FUTURE PLAY CLOCK AND ENDZONE CAMERA CONDUIT
7. NEW 1-1/2" EMPTY CONDUIT WITH PULL STRINGS FOR FUTURE ENDZONE CAMERA. CONDUIT TO BE DIRECTIONALLY BORED UNDER TRACK AND PAVINGS TO NEW GROUND BOX
8. NEW 1-1/2" EMPTY CONDUIT WITH PULL STRINGS FOR FUTURE PLAY CLOCK. CONDUIT TO BE DIRECTIONALLY BORED UNDER TRACK AND PAVINGS TO NEW GROUND BOX
9. NEW 2" EMPTY CONDUIT WITH PULL STRINGS FOR FUTURE TRACK TIMING SYSTEM, TO CONNECT NORTHWEST AND SOUTHWEST COMMUNICATION BOXES
10. DIRECTIONALLY BORE (2) 2" EMPTY CONDUITS WITH PULL STRINGS FOR FUTURE TRACK TIMING SYSTEM
11. NEW 18"X30" PRE-MANUFACTURED TURF BOX FOR FUTURE TRACK TIMING SYSTEM (AT COMMON FINISH LINE). BOX SHALL ABUT FIELD SIDE OF CURB. PROVIDE TURF BOX AT LOCATION OF EXISTING UTILITY SLEEVES. FIELD VERIFY LOCATION OF SLEEVES
12. NEW 18"X30" PRE-MANUFACTURED QUAZITE BOX

LEGEND

EXISTING

- SPOT ELEVATION
- FENCE
- DRAINAGE STRUCTURE
- STORM DRAIN
- LIGHT POLE
- ELECTRICAL
- WATER
- TELEPHONE
- IRRIGATION
- PROPERTY
- SANITARY
- GAS

PROPOSED

- SPOT GRADE
- T/TeXXXXX TOP OF TRENCH ELEVATION
- T/CuXXXXX TOP OF CURB ELEVATION
- T/WaXXXXX TOP OF WALL ELEVATION
- DRAINAGE SWALE
- FENCE - SEE PLANS FOR HT.
- DRAINAGE STRUCTURE
- STORM DRAIN
- FLAT DRAIN
- 6" PERFORATED DRAINTILE
- 8" PERFORATED DRAINTILE
- LIGHT POLE
- ELECTRICAL
- WATER
- TELEPHONE
- IRRIGATION
- LIMITS OF CONSTRUCTION
- 4" CONCRETE OVER COMPACTED SAND
- DEMOLITION
- TOPSOIL AND SEED
- SYNTHETIC TURF

0 15 30 60

SCALE: 1"=30'

BENCHMARK DESCRIPTIONS

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PROJECT

Richmond Community Schools:
Athletic Field Renovation

Richmond, Michigan

SHEET

Drainage and Utility Plan

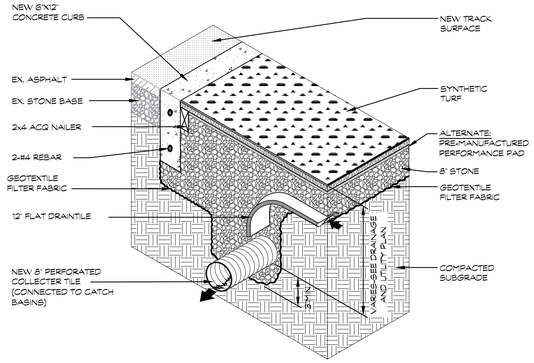
PROJECT NUMBER

2019-079.1

SHEET NUMBER

L1.06

2019-079.1 | Athletic Field Renovation



1 FIELD DRAINAGE SECTION

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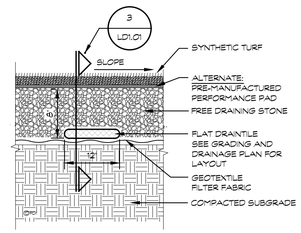

2 SUB DRAINAGE SYSTEM

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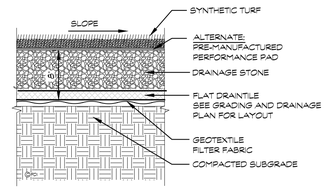
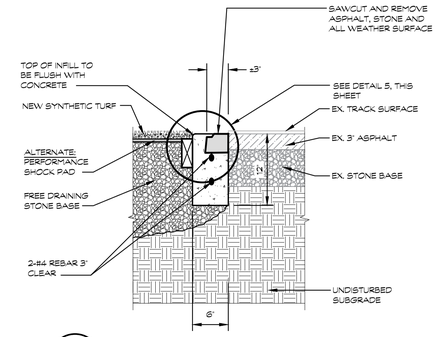


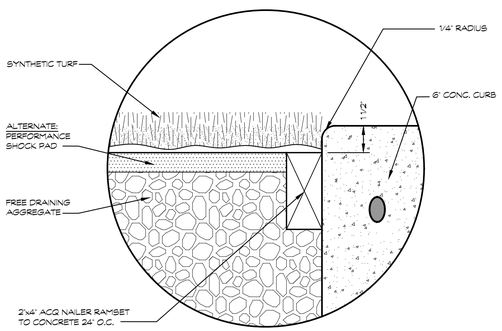
3 SUB DRAINAGE SYSTEM

SCALE 1"=1'-0"



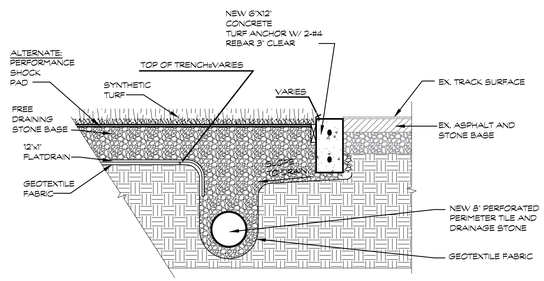
4 CONCRETE TURF ANCHOR

SCALE 1"=1'-0"



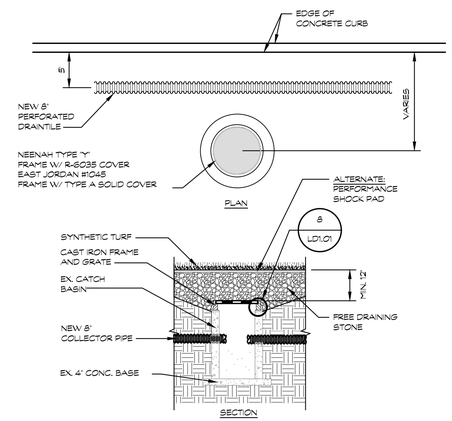
5 CONCRETE TURF ANCHOR

SCALE 3"=1'-0"



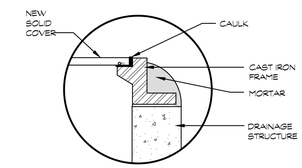
6 EDGE DETAIL-TYP.

SCALE 3/4"=1'-0"



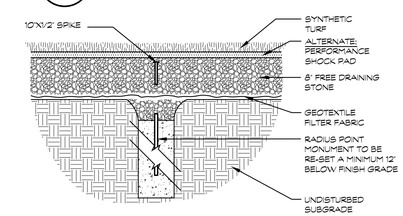
7 SOLID COVER ON DRAINAGE STRUCTURE

SCALE 1/4"=1'-0"



8 DRAINAGE STRUCTURE DETAIL

SCALE 3/8"=1'-0"



9 RADIUS POINT MARKER

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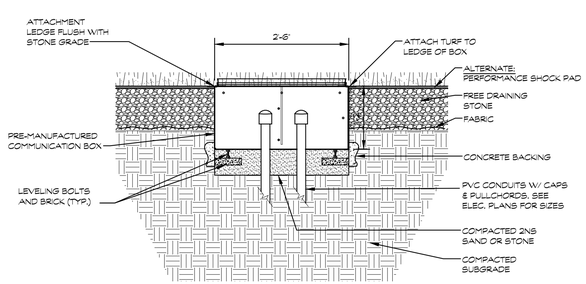

10 SYNTHETIC TURF UTILITY BOX DETAIL

SCALE 3/4"=1'-0"

ISSUE DATE	ISSUED FOR
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PROJECT

Richmond Community Schools: Athletic Field Renovation

Richmond, Michigan

SHEET

Turf Details

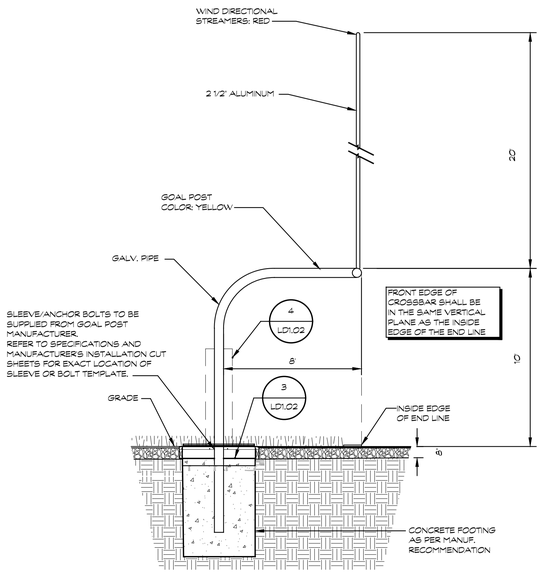
PROJECT NUMBER

2019-079.1

SHEET NUMBER

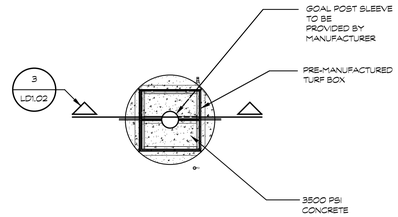
LD1.01

2019-079.1 Athletic Field Renovation



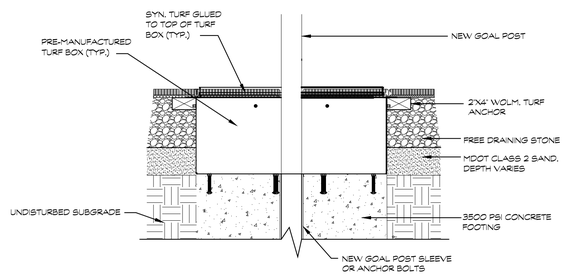
1 FOOTBALL GOAL POST FOUNDATION

SCALE 1/4"=1'-0"



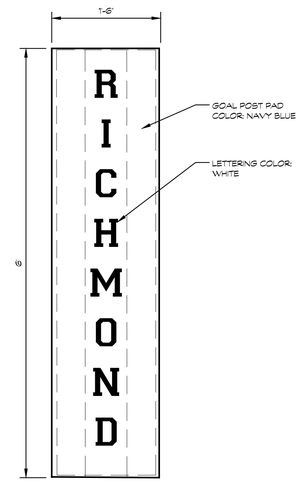
2 GOAL POST FOOTING/TURF DETAIL

1/8"=1'-0"



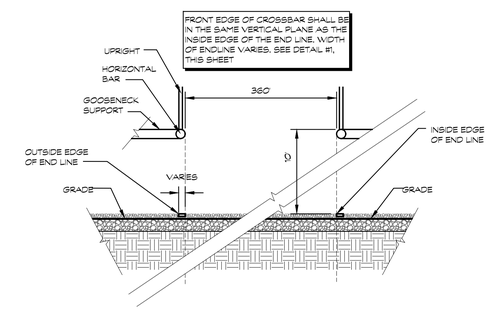
3 GOAL POST FOOTING/TURF DETAIL

SCALE 1"=1'-0"



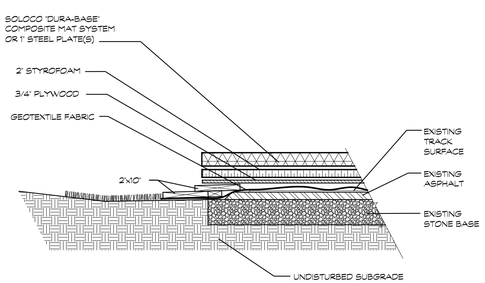
4 FOOTBALL GOAL POST PAD

SCALE 1"=1'-0"



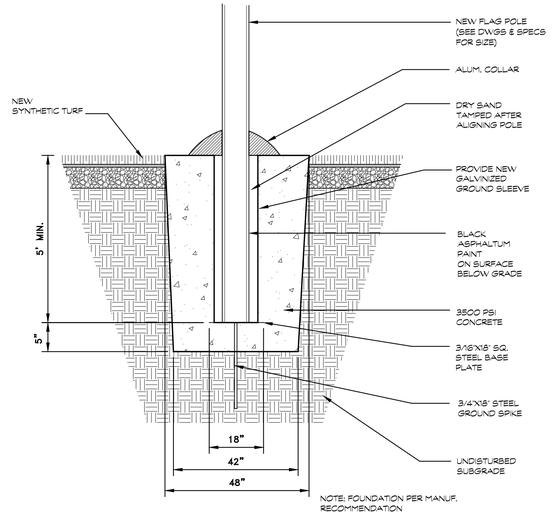
5 HORIZONTAL BAR ORIENTATION

SCALE 1/4"=1'-0"



6 TRACK SURFACE PROTECTION

N.T.S.



7 FLAG POLE FOUNDATION

SCALE 1/2"=1'-0"

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PROJECT

Richmond Community Schools:
Athletic Field Renovation

Richmond, Michigan

SHEET

Site Details

PROJECT NUMBER

2019-079.1

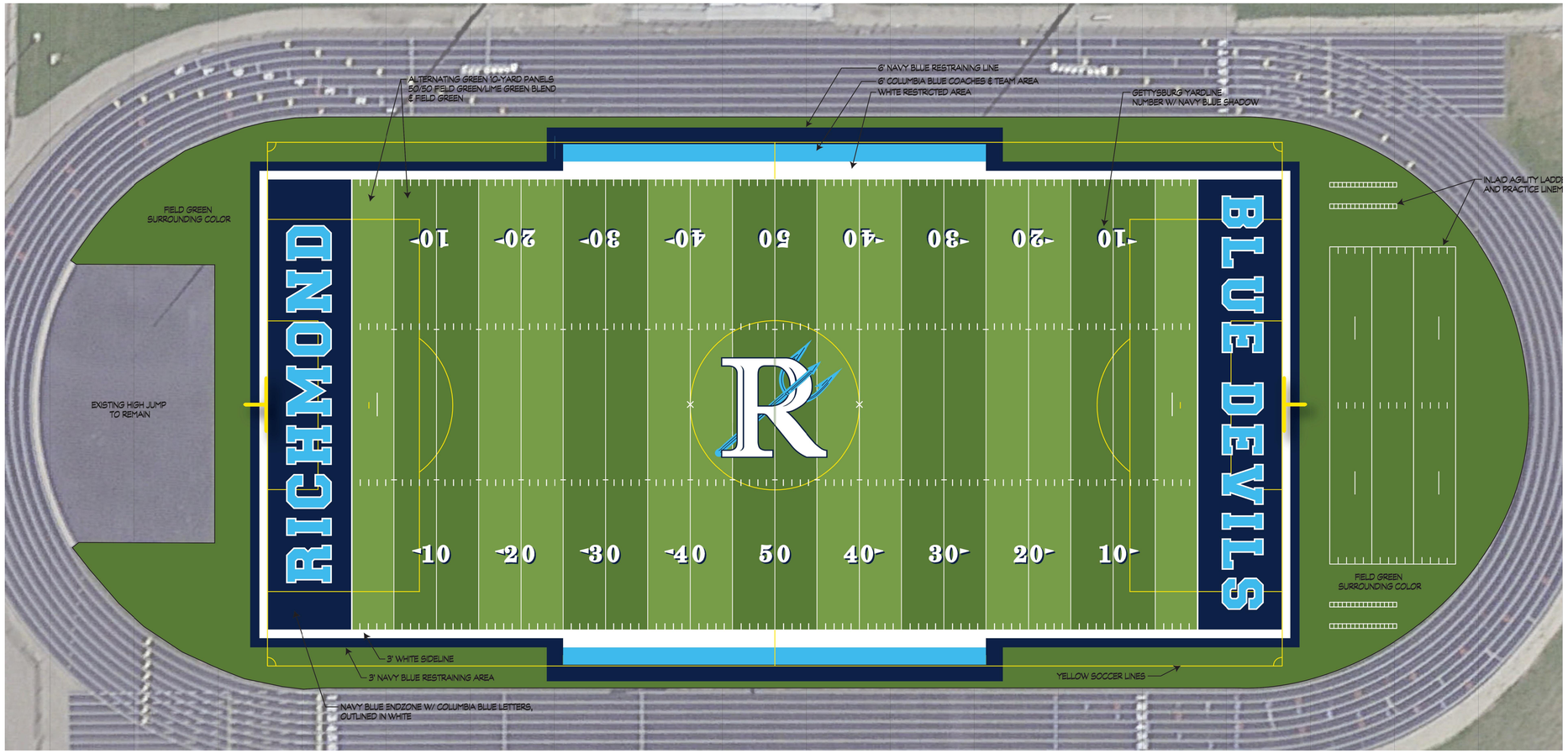
SHEET NUMBER

LD1.02

2019-079.1 Athletic Field Renovation

NOTES:

1. THE ENCLOSED RENDERINGS ARE FOR REFERENCE PURPOSES ONLY.
2. COLORS AND LAYOUTS SHOWN REPRESENT GRAPHICAL INTENT ONLY AND COLORS SHOWN SHALL NOT BE REGARDED AS ACTUAL COLORS OF INSTALLED PRODUCTS.
3. MANUFACTURERS SHALL INCORPORATE STANDARD MANUFACTURER COLORS WITHIN PRODUCTION.
4. DUE TO VARIATIONS IN MONITOR AND PRINTER SETTINGS WHEN VIEWING THESE REFERENCE SHEETS, THERE IS NO GUARANTEE THAT COLORS SHOWN WILL MATCH COLOR OF INSTALLED PRODUCT.



2 PROPOSED TURF REFERENCE GRAPHICS

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PROJECT

Richmond Community Schools:
Athletic Field Renovation

Richmond, Michigan

SHEET

Turf Reference Graphics Details

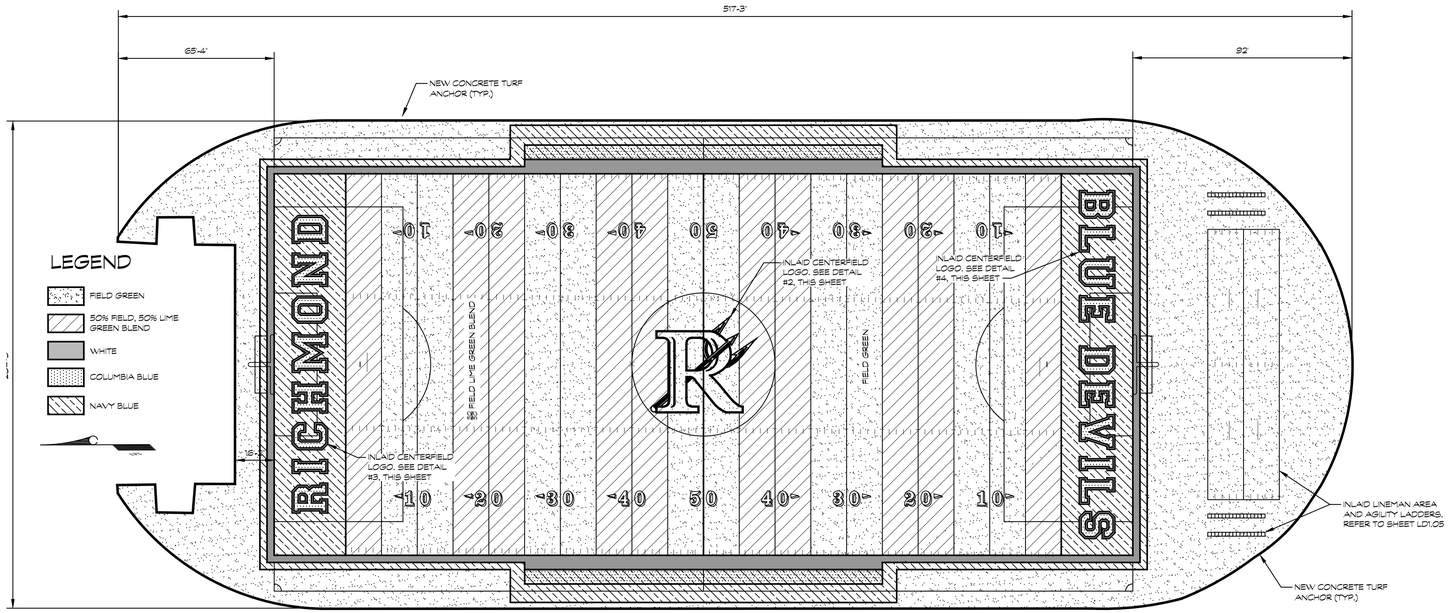
PROJECT NUMBER

2019-079.1

SHEET NUMBER

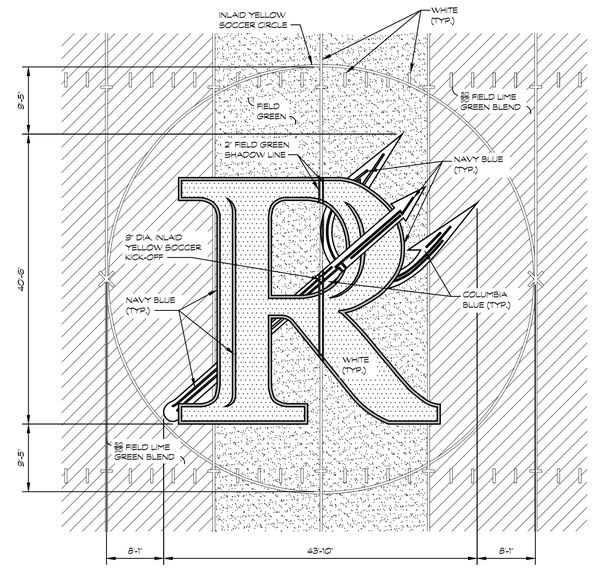
LD1.03

2019-079.1 Athletic Field Renovation



1 SYNTHETIC TURF LAYOUT

SCALE 1"=30'-0"



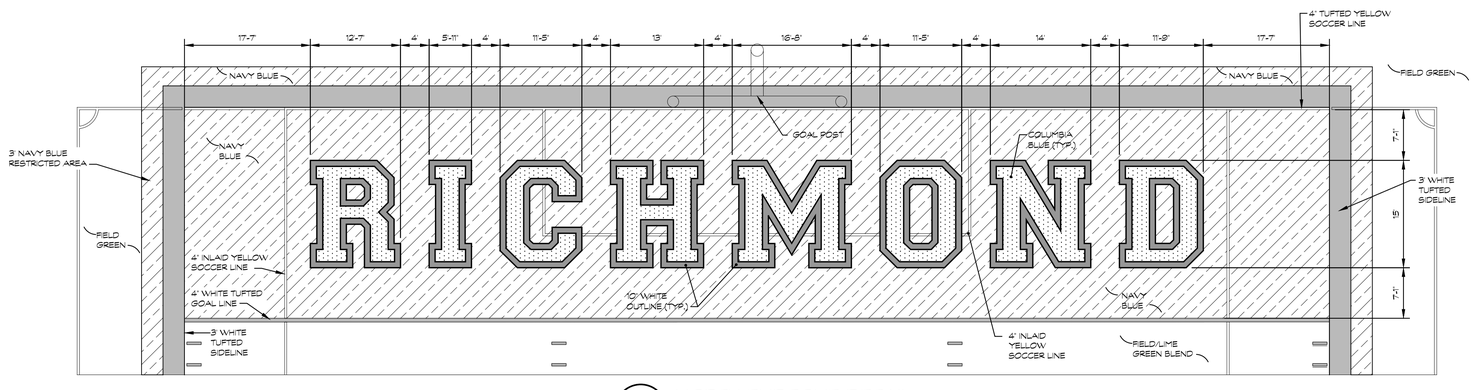
2 CENTERFIELD LOGO LAYOUT

SCALE 1"=10'-0"

LEGEND

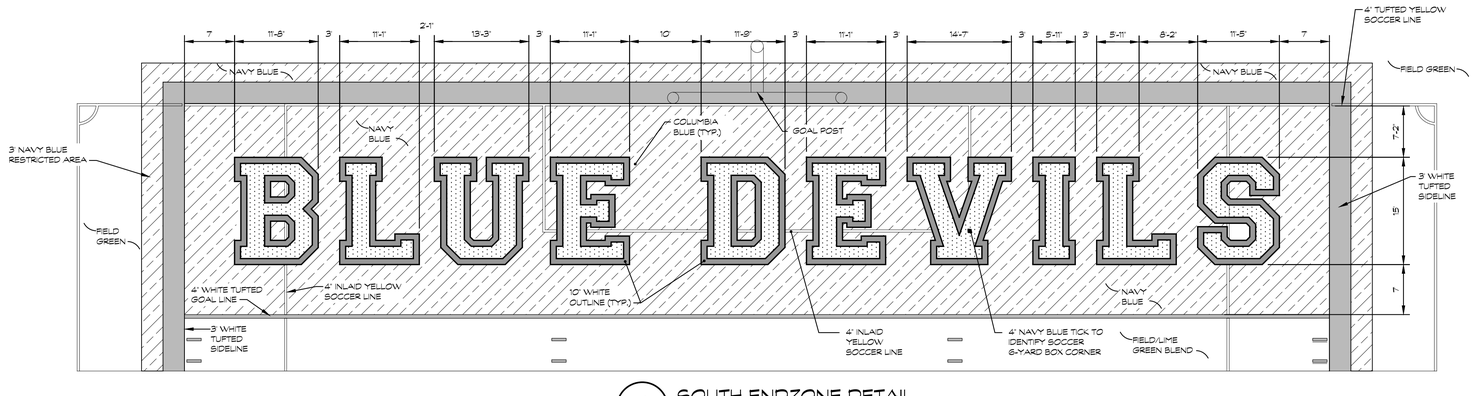
- FIELD GREEN
- 50% FIELD, 50% LIME GREEN BLEND
- WHITE
- NAVY BLUE
- COLUMBIA BLUE (NO SHADING)

NOTE:
LOGO SHALL BE DOMINANT OVER NEW YARDLINES. 2' SHADOW LINES IN DESIGNATED GREEN TURF SHALL DEFINE YARDLINES IN LOGO, ON 50 YARDLINE LOGO, CENTERFIELD LOGO TO BE PLACED OVER TOP 45 YARDLINES



3 NORTH ENDZONE DETAIL

SCALE 1"=10'-0"



4 SOUTH ENDZONE DETAIL

SCALE 1"=10'-0"

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PROJECT

Richmond Community Schools:
Athletic Field Renovation

Richmond, Michigan

SHEET

Field Graphics Details

PROJECT NUMBER

2019-079.1

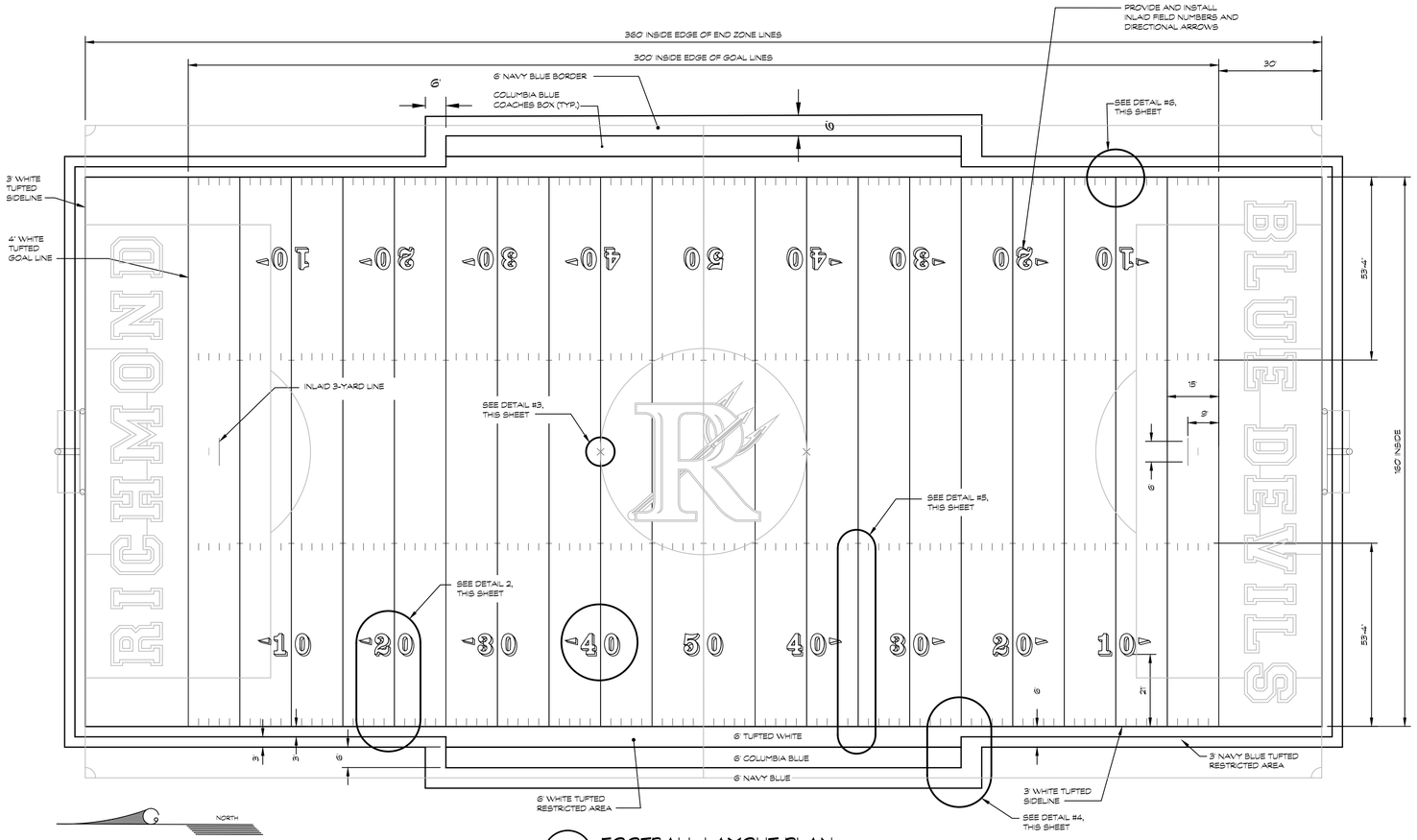
SHEET NUMBER

LD1.04

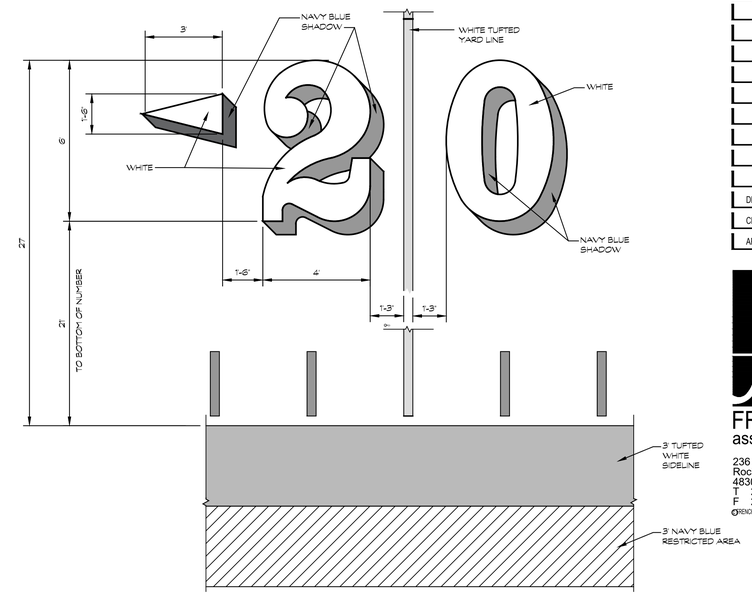
2019-079.1 Athletic Field Renovation

FIELD LAYOUT NOTES:

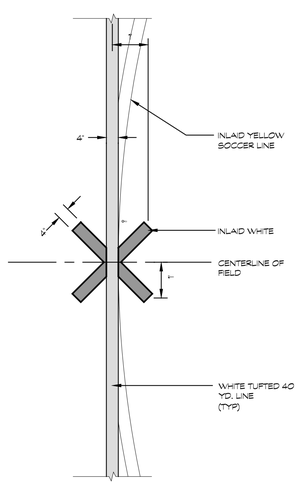
1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS.
2. ALL LINE WORK IS TO BE LAID OUT WITH A TOLERANCE OF 1/4 INCH.
3. ALL YARDLINES SHALL BE 4 INCH, WHITE TUFTED TURF, REFER TO DETAIL 5.
4. A 3 FOOT (36 INCH) WHITE, TUFTED SIDELINE WILL SURROUND THE ENTIRE PLAYING FIELD.
5. 24 INCH SHORT YARDLINE MARKS, 4 INCHES FROM THE SIDELINES SHALL BE 4 INCHES WIDE, WHITE, TUFTED LINES. REFER TO DETAIL 6.
6. THE RESTRICTED AREA SHALL CONSIST OF A 3' (36 INCH) NAVY BLUE TUFTED PANEL SURROUNDING THE ENTIRE FIELD. THE TEAM & COACHES BOX BETWEEN THE 25 YARDLINES, SHALL BE PER NFSHSA RULES AND SHALL BE A 6' (72 INCHES) WIDE TUFTED COLUMBIA BLUE PANEL. REFER TO PLAN AND DETAIL #4.
7. THE TWO INBOUNDS LINES ARE 53 FEET 4 INCHES FROM THE SIDELINES. INBOUNDS LINES AND SHORT YARDLINE EXTENSIONS SHALL BE 24 INCHES LONG AND 4 INCHES WIDE, INLAID - INBOUND ONLY. REFER TO DETAIL 5.
8. THE EXTRA POINT LINES ARE 6 FEET LONG, 4 INCHES WIDE, WHITE TUFTED LINES AT THE CENTERLINE OF THE FIELD AND THE 3 YARDLINE ON EACH END OF THE FIELD. REFER TO PLAN FOR LOCATION.
9. INLAID WHITE 'GETTYSBURG' YARDLINE NUMBERS AND DIRECTIONAL ARROWS WITH A 4' NAVY BLUE SHADOW, MEASURING 6 FEET IN HEIGHT AND 4 FEET IN WIDTH TO THE OUTSIDE OF THE WHITE SHALL BE 21 FEET FROM THE SIDELINE TO THE BOTTOM OF THE NUMBER. REFER TO DETAIL 2.
10. AN 'X' WILL MARK THE SPOT OF THE KICKOFF AT THE 40 YARDLINE ON EACH END OF THE FIELD AND SHALL BE DIMENSIONED AS PER DETAIL 3. THE 40 YARDLINE IS WHITE TUFTED TURF AND THE EXTENSIONS TO FORM THE X ARE INLAID WHITE.
11. CENTERFIELD LOGO SHALL HAVE A SHADOW LINE GOING THROUGH 50 YARDLINE OF LOGO IDENTIFYING YARDLINES, REFER TO SHEET LD1.04 FOR ADDITIONAL DETAILS.



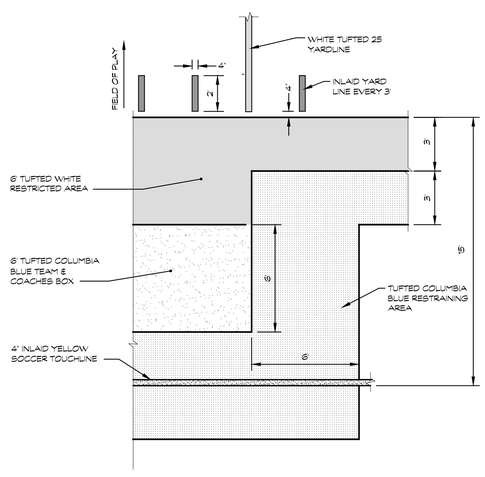
1 FOOTBALL LAYOUT PLAN
SCALE 1=20'-0"



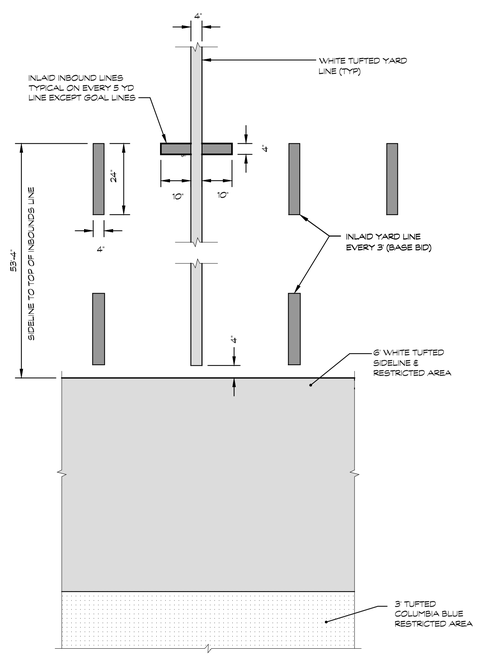
2 YARDLINE NUMBER DETAIL
N.T.S.



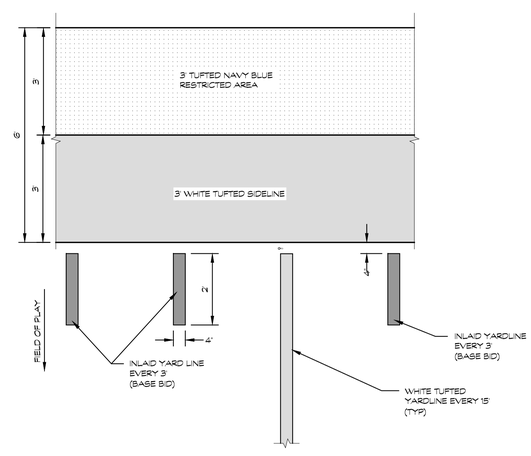
3 KICKOFF MARKER DETAIL
SCALE 1/2"=1'-0"



4 COACHES AND TEAM BOX DETAIL
SCALE 1/4"=1'-0"



5 INBOUND LINE DETAIL
SCALE 1/2"=1'-0"



6 SIDELINE DETAIL
SCALE 1/2"=1'-0"

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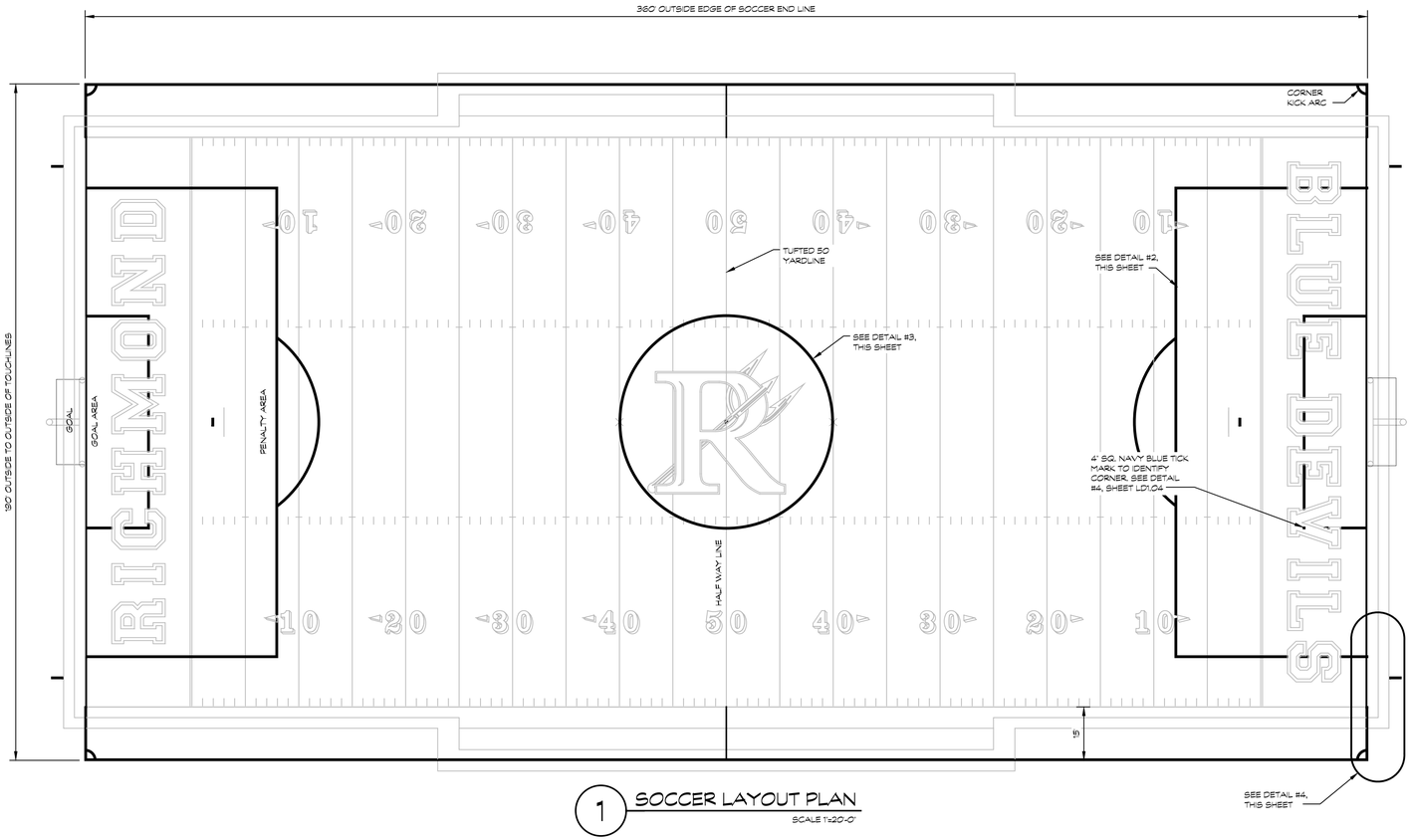
PROJECT
Richmond Community Schools: Athletic Field Renovation
Richmond, Michigan

SHEET
Football Details

PROJECT NUMBER
2019-079.1

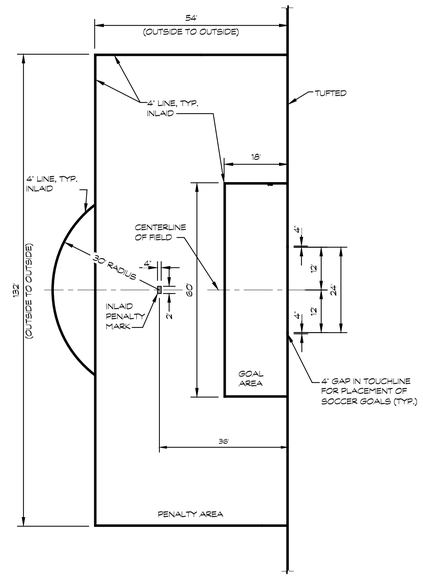
SHEET NUMBER
LD1.05

2019-079.1 Athletic Field Renovation



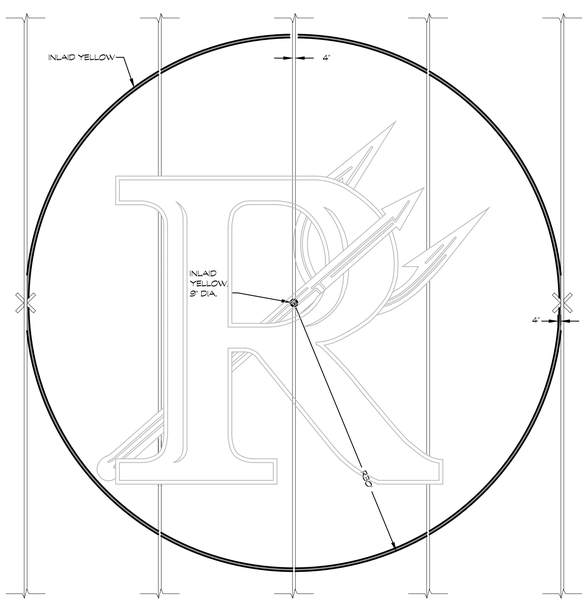
1 SOCCER LAYOUT PLAN

SCALE 1"=20'-0"



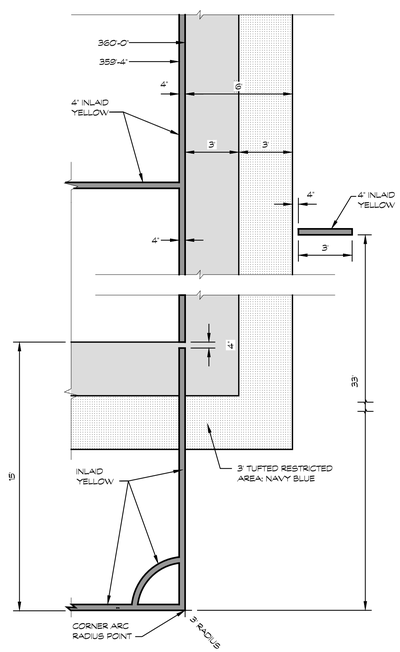
2 GOAL AREA DETAIL

SCALE 1"=20'-0"



3 CENTER CIRCLE DETAIL

SCALE 1/8"=1'-0"



4 CORNER KICK DETAIL

SCALE 1/4"=1'-0"

SOCCER NOTES

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ALL LINE WORK SHALL BE LAID OUT WITH A TOLERANCE OF 1/4 INCH.
2. ALL SOCCER LINES ARE 4 INCH YELLOW INLAID TURF AS DIMENSIONED ON THE SOCCER LAYOUT PLAN.
3. THE SOCCER GOAL AREA IS 18' X 60', REFER TO PLAN FOR LOCATION. THE SOCCER PENALTY AREA IS 54' X 132', REFER TO PLAN FOR LOCATION.
4. THE PENALTY MARK IS AN INLAID YELLOW LINE, 24" IN LENGTH, 4" WIDE, 36' FROM GOAL LINE AND CENTERED ON THE GOAL. THE RESTRAINING LINE FOR PENALTY KICKS IS AN ARC 30' FROM THIS MARK OUTSIDE OF THE PENALTY AREA. REFER TO THE PLAN FOR LOCATION.
5. THE HALFWAY LINE FOR THE SOCCER FIELD IS A 4' YELLOW LINE WITH A CIRCLE 30' IN RADIUS IN THE CENTER OF THE FIELD, REFER TO THE PLAN FOR LOCATION. THE 50 YARDLINE OF THE FOOTBALL FIELD SHALL BE WHITE AND DOMINANT AS SHOWN ON THE FOOTBALL LAYOUT PLAN AND THE SOCCER LINE WILL EXTEND BEYOND THE FOOTBALL SIDELINES.
6. THE CORNERS OF THE SOCCER FIELD SHALL HAVE A 3' ARC RADIUS IN YELLOW DESIGNATING THE CORNER KICK AREA. REFER TO DETAIL #4, THIS SHEET.
7. THE CENTER KICK-OFF CIRCLE IS A 9' DIAMETER CIRCLE, INLAID YELLOW. REFER TO DETAIL #3, THIS SHEET.

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PROJECT

Richmond Community Schools:
Athletic Field Renovation

Richmond, Michigan

SHEET

Soccer Details

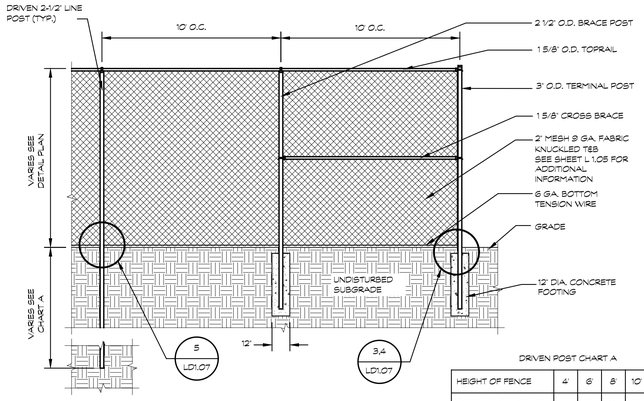
PROJECT NUMBER

2019-079.1

SHEET NUMBER

LD1.06

2019-079.1 Athletic Field Renovation



DRIVEN POST CHART A

HEIGHT OF FENCE	4'	6'	8'	10'	12'
POST BELOW GRADE	4'	5'	6'	7'	8'

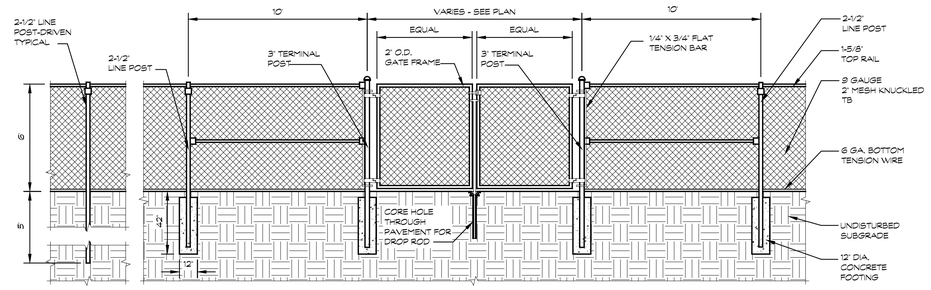
NOTES:

ALL DBL GATES WIDER THAN 12' SHALL USE 4" SUPPORT POSTS

ALL DETAILS ARE TYPICAL FOR VINYL AND GALVANIZED FENCE, UNLESS NOTED OTHERWISE. REFER TO FENCE PLANS FOR DELINEATION O VINYL/GALV. FENCING

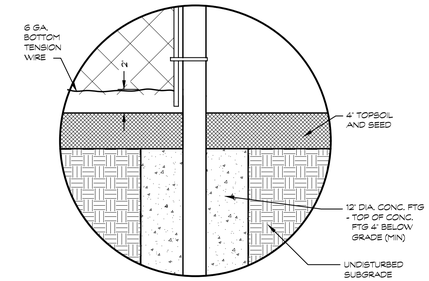
1 FENCE ELEVATION

SCALE 1/4"=1'-0"



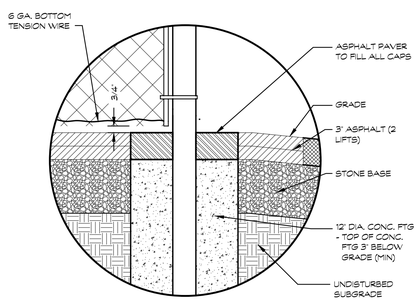
2 12' DOUBLE GATE

SCALE 1/4"=1'-0"



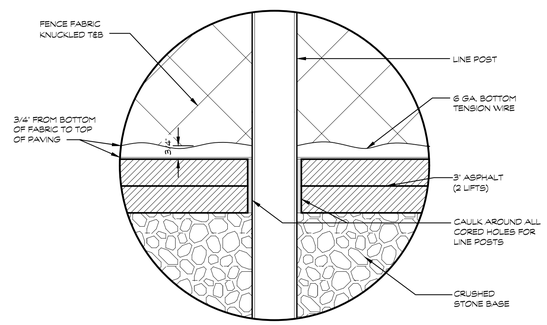
3 FENCE LAWN DETAIL

SCALE 1/4"=1'-0"



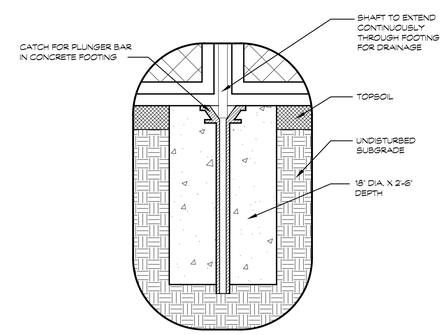
4 FENCE PAVEMENT DETAIL

SCALE 1/4"=1'-0"



5 DRIVEN FENCE POST CAULKING

SCALE 3"=1'-0"



6 FENCE PLUNGER FOR GATE

SCALE 1"=1'-0"

ISSUE DATE	ISSUED FOR
01/09/20	BIDS
DRAWN	MDS
CHECKED	BSL
APPROVED	BSL

architects planners interiors

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PROJECT

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Richmond, Michigan

SHEET

Fence Details

PROJECT NUMBER

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SHEET NUMBER

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2019-079.1 Athletic Field Renovation