



ATHLETIC FACILITIES FEASIBILITY STUDY
VETERANS MEMORIAL FIELD AND SHIPPENSBURG AREA SR. HIGH SCHOOL
December 15, 2021



Veterans Memorial Park – Existing Conditions



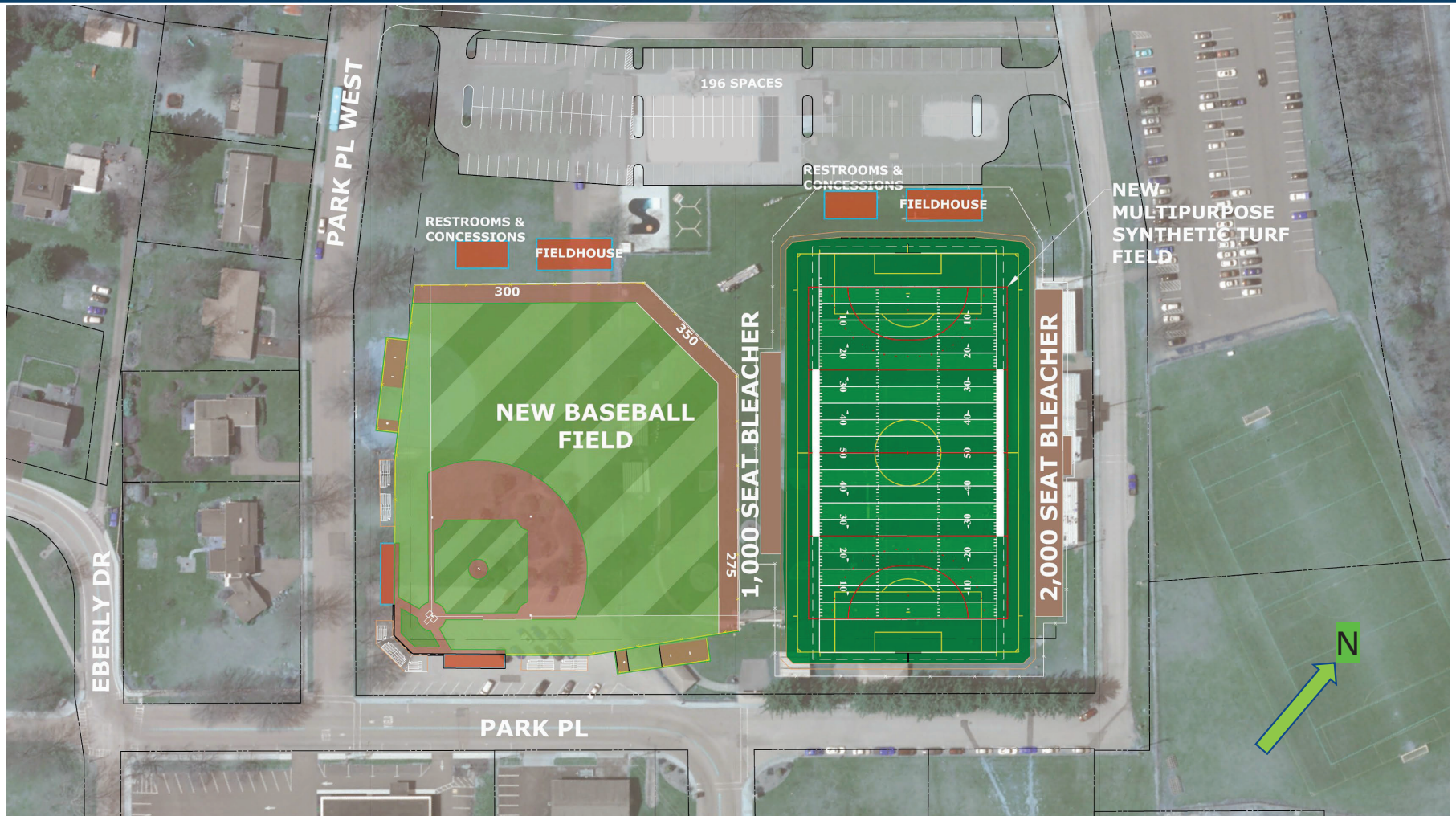


Veterans Memorial Park – Concept Plan 6A



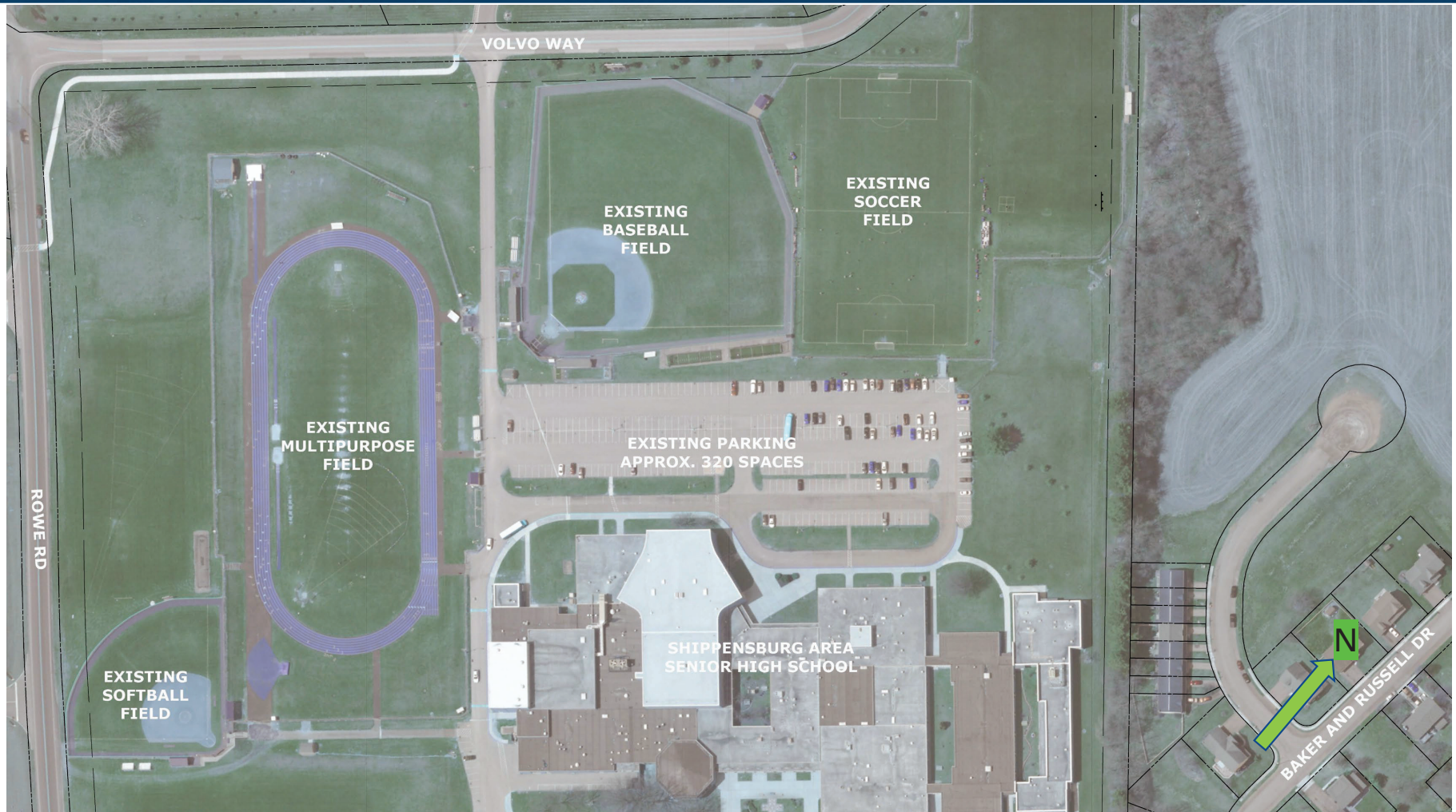


Veterans Memorial Park – Concept Plan 7



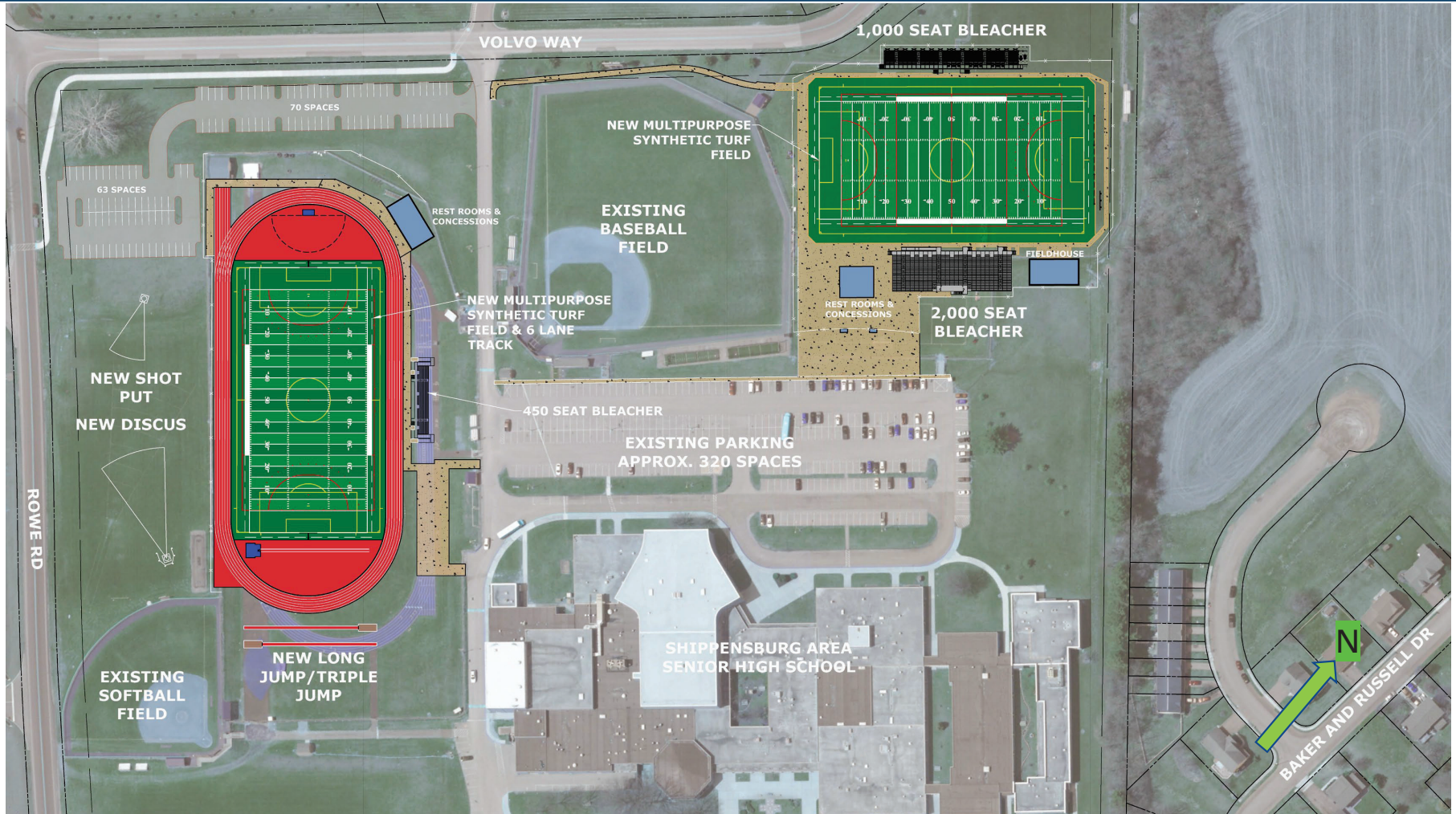


Shippensburg Area Sr. High School– Existing Conditions



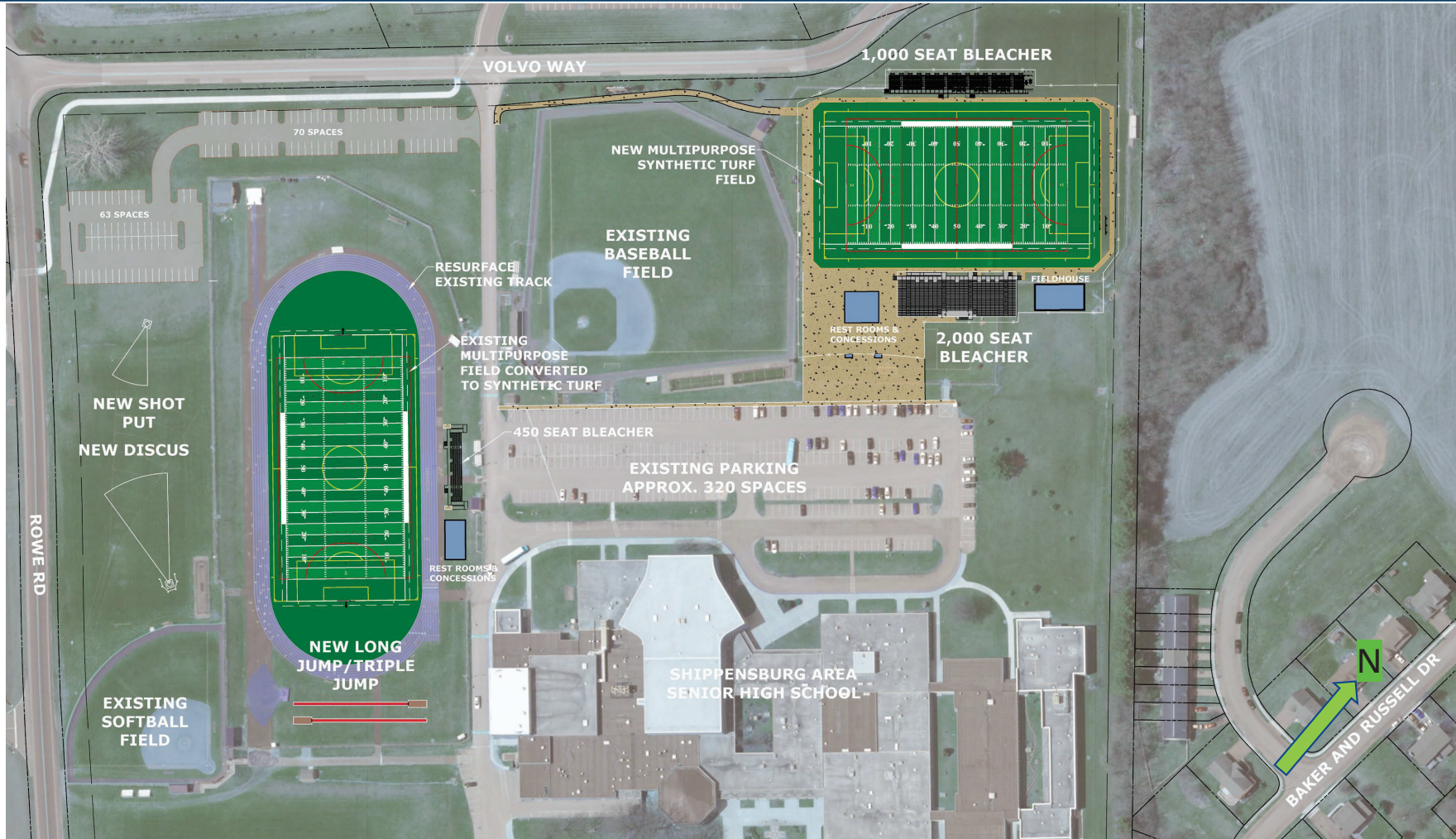


Shippensburg Area Sr. High School– Concept Plan 1





Shippensburg Area Sr. High School– Concept Plan 2





Veterans Memorial Park – Concept Cost Plan 6A

PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COSTS

CLIENT: Shippensburg Area School District
 PROJECT NAME: Veteran's Memorial Site Concept 6A
 PROJECT NO.: 2192.002

PREPARER: EFM
 DATE: 12/15/2021
 REVISED:

<u>SITE LIGHTING TOTAL</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total</u>
Single Head w/ Base	9	EA x	\$1,650.00	\$14,850.00
Athletic Field Lighting	4	EA x	\$100,000.00	\$400,000.00
Assoc. Electric	1	L.S. x	\$100,000.00	\$100,000.00
In-Ground Electrical Boxes	1	L.S. x	\$40,000.00	\$40,000.00
Sound System	1	L.S. x	\$70,000.00	\$70,000.00
SITE LIGHTING TOTAL				\$624,850.00
<u>ATHLETIC FACILITY IMPROVEMENTS</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total</u>
Bleacher, 6 to 20 Tiers, upto 300' Long	3000	SEAT x	\$300.00 =	\$900,000.00
Synthetic Turf	85000	S.F. x	\$8.50 =	\$722,500.00
Football Goalpost, Steel, Double Post	2	EA x	\$2,500.00 =	\$5,000.00
Scoreboard	2	EA x	\$50,000.00 =	\$100,000.00
Soccer Goal, Regulation	2	EA x	\$2,100.00 =	\$4,200.00
Press Box	1	EA x	\$50,000.00 =	\$50,000.00
Baseball Field Backstop	1	L.S. x	\$6,500.00 =	\$6,500.00
8' Aluminum Dugout Bench	4	EA x	\$450.00 =	\$1,800.00
Baseball Field Lighting	6	EA x	\$100,000.00 =	\$600,000.00
Baseball Dugout	2	EA x	\$25,000.00 =	\$50,000.00
Baseball Field Grass, Infield, and Warning Track	1	L.S. x	\$300,000.00 =	\$300,000.00
Ball Netting System	1	L.S. x	\$600,000.00 =	\$600,000.00
Aluminum Bleacher, 8 Row x 15' Length	7	EA x	\$7,000.00 =	\$49,000.00
ATHLETIC FACILITY IMPROVEMENTS				\$3,389,000.00
E&S CONTROLS TOTAL			=	\$45,000.00
SITE DEMOLITION TOTAL			=	\$159,800.00
EARTHWORK AND EXCAVATION TOTAL			=	\$100,000.00
PAVEMENT AND ASSOCIATED IMPROVEMENTS TOTAL			=	\$384,390.00
WATER DISTRIBUTION TOTAL			=	\$30,000.00
SANITARY SEWER TOTAL			=	\$40,000.00
STORMWATER MANAGEMENT TOTAL			=	\$500,000.00
MISCELLANEOUS SITE IMPROVEMENTS TOTAL			=	\$118,000.00
LANDSCAPING TOTAL			=	\$20,000.00
BUILDINGS/STRUCTURES TOTAL			=	\$1,980,000.00
SITE LIGHTING TOTAL			=	\$624,850.00
ATHLETIC FACILITY IMPROVEMENTS			=	\$3,389,000.00
ESTIMATED SITEWORK CONSTRUCTION COST - SUBTOTAL			=	\$7,391,040.00
Mobilization		5%	=	\$369,552.00
Bonding and Insurance		2%	=	\$147,820.80
Maintenance of Traffic		1%	=	\$73,910.40
Testing and Miscellaneous		2%	=	\$147,820.80
Contingency		15%	=	\$1,108,656.00
ESTIMATED SITEWORK CONSTRUCTION COST - TOTAL				\$9,238,800



Veterans Memorial Park – Concept Cost Plan 7

PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COSTS

CLIENT: Shippensburg Area School District
 PROJECT NAME: Veteran's Memorial Site Concept 7
 PROJECT NO.: 2192.002

PREPARER: EFM
 DATE: 12/15/2021
 REVISED:

	Quantity	Unit	Unit Price	Total
SITE LIGHTING				
Single Head w/ Base	11	EA x	\$1,650.00	\$18,150.00
Athletic Field Stadium Lighting	4	EA x	\$100,000.00	\$400,000.00
Assoc. Electric	1	L.S. x	\$100,000.00	\$100,000.00
In-Ground Electrical Boxes	1	L.S. x	\$40,000.00	\$40,000.00
Sound System	1	L.S. x	\$70,000.00	\$70,000.00
SITE LIGHTING TOTAL				\$628,150.00
ATHLETIC FACILITY IMPROVEMENTS				
Bleacher, 6 to 20 Tiers, upto 300' Long	3000	SEAT x	\$300.00 =	\$900,000.00
Synthetic Turf	85000	S.F. x	\$8.50 =	\$722,500.00
Football Goalpost, Steel, Double Post	2	EA x	\$2,500.00 =	\$5,000.00
Scoreboard	2	EA x	\$50,000.00 =	\$100,000.00
Soccer Goal, Regulation	2	EA x	\$2,100.00 =	\$4,200.00
Press Box	1	EA x	\$50,000.00 =	\$50,000.00
Baseball Field Backstop	1	L.S. x	\$6,500.00 =	\$6,500.00
8' Aluminum Dugout Bench	4	EA x	\$450.00 =	\$1,800.00
Baseball Field Lighting	6	EA x	\$100,000.00 =	\$600,000.00
Baseball Dugout	2	EA x	\$25,000.00 =	\$50,000.00
Baseball Field Grass, Infield, and Warning Track	1	L.S. x	\$300,000.00 =	\$300,000.00
Ball Netting System	1	L.S. x	\$600,000.00 =	\$600,000.00
Aluminum Bleacher, 8 Row x 15' Length	7	EA x	\$7,000.00 =	\$49,000.00
ATHLETIC FACILITY IMPROVEMENTS				\$3,389,000.00
E&S CONTROLS TOTAL			=	\$45,000.00
SITE DEMOLITION TOTAL			=	\$159,800.00
EARTHWORK AND EXCAVATION TOTAL			=	\$100,000.00
PAVEMENT AND ASSOCIATED IMPROVEMENTS TOTAL			=	\$344,370.00
WATER DISTRIBUTION TOTAL			=	\$30,000.00
SANITARY SEWER TOTAL			=	\$40,000.00
STORMWATER MANAGEMENT TOTAL			=	\$500,000.00
MISCELLANEOUS SITE IMPROVEMENTS TOTAL			=	\$122,000.00
LANDSCAPING TOTAL			=	\$20,000.00
BUILDINGS/STRUCTURES TOTAL			=	\$1,980,000.00
SITE LIGHTING TOTAL			=	\$628,150.00
ATHLETIC FACILITY IMPROVEMENTS			=	\$3,389,000.00
ESTIMATED SITEWORK CONSTRUCTION COST - SUBTOTAL			=	\$7,358,320.00
Mobilization		5%	=	\$367,916.00
Bonding and Insurance		2%	=	\$147,166.40
Maintenance of Traffic		1%	=	\$73,583.20
Testing and Miscellaneous		2%	=	\$147,166.40
Contingency		15%	=	\$1,103,748.00
ESTIMATED SITEWORK CONSTRUCTION COST - TOTAL				\$9,197,900



Shippensburg Area Sr. High School– Concept Cost Plan 1

PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COSTS

CLIENT: Shippensburg Area School District
 PROJECT NAME: Shippensburg High School Concept 1
 PROJECT NO.: 2192.002

PREPARER: EFM
 DATE: 12/15/2021
 REVISED:

<u>SITE LIGHTING</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total</u>
Single Head w/ Base	13	EA	x \$1,650.00	\$21,450.00
Athletic Field Stadium Lighting	4	EA	x \$100,000.00	\$400,000.00
Assoc. Electric	1	L.S.	x \$100,000.00	\$100,000.00
In-Ground Electrical Boxes	1	L.S.	x \$40,000.00	\$40,000.00
Sound System	1	L.S.	x \$70,000.00	\$70,000.00
SITE LIGHTING TOTAL				\$631,450.00
<u>ATHLETIC FACILITY IMPROVEMENTS</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total</u>
Synthetic Turf Field	168000	S.F.	x \$8.50 =	\$1,428,000.00
Track Subgrade Preparation	6400	S.Y.	x \$0.50 =	\$3,200.00
Field Curb Nailer	1165	L.F.	x \$16.00 =	\$18,640.00
Track Asphalt Paving	6400	S.Y.	x \$36.00 =	\$230,400.00
8" Stone Track Subbase	6400	S.Y.	x \$10.20 =	\$65,280.00
Generic Urethane Track, 3/8", Color	6400	S.Y.	x \$40.00 =	\$256,000.00
Fence, Track Perimeter, 4' Height, Vinyl Chain Link	1610	L.F.	x \$6.00 =	\$9,660.00
Bleacher, 6 to 20 Tiers, upto 300' Long (All Bleachers)	3450	SEAT	x \$300.00 =	\$1,035,000.00
Football Goalpost, Steel, Double Post	4	EA	x \$2,500.00 =	\$10,000.00
Soccer Goal, Regulation	4	EA	x \$2,100.00 =	\$8,400.00
Press Box	1	EA	x \$50,000.00 =	\$50,000.00
ATHLETIC FACILITY IMPROVEMENTS				\$3,114,580.00
E&S CONTROLS TOTAL			=	\$45,000.00
SITE DEMOLITION TOTAL			=	\$95,520.00
EARTHWORK AND EXCAVATION TOTAL			=	\$150,000.00
PAVEMENT AND ASSOCIATED IMPROVEMENTS TOTAL			=	\$601,051.00
WATER DISTRIBUTION TOTAL			=	\$30,000.00
SANITARY SEWER TOTAL			=	\$40,000.00
STORMWATER MANAGEMENT TOTAL			=	\$200,000.00
MISCELLANEOUS SITE IMPROVEMENTS TOTAL			=	\$123,500.00
LANDSCAPING TOTAL			=	\$20,000.00
BUILDINGS/STRUCTURES TOTAL			=	\$1,320,000.00
SITE LIGHTING TOTAL			=	\$631,450.00
ATHLETIC FACILITY IMPROVEMENTS			=	\$3,114,580.00
ESTIMATED SITEWORK CONSTRUCTION COST - SUBTOTAL			=	\$6,371,101.00
Mobilization			5% =	\$318,555.05
Bonding and Insurance			2% =	\$127,422.02
Maintenance of Traffic			1% =	\$63,711.01
Testing and Miscellaneous			2% =	\$127,422.02
Contingency			10% =	\$637,110.10
ESTIMATED SITEWORK CONSTRUCTION COST - TOTAL				\$7,645,321



Shippensburg Area Sr. High School– Concept Cost Plan 2

PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COSTS

CLIENT: Shippensburg Area School District
 PROJECT NAME: Shippensburg High School Concept 2
 PROJECT NO.: 2192.002

PREPARER: EFM
 DATE: 12/15/2021
 REVISED:

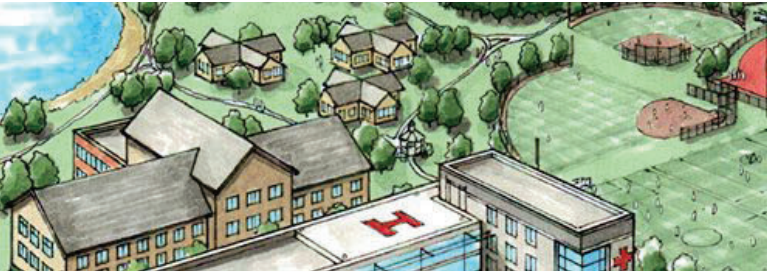
<u>SITE LIGHTING</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total</u>
Single Head w/ Base	13	EA x	\$1,650.00	\$21,450.00
Athletic Field Stadium Lighting	4	EA x	\$100,000.00	\$400,000.00
Assoc. Electric	1	L.S. x	\$100,000.00	\$100,000.00
In-Ground Electrical Boxes	1	L.S. x	\$40,000.00	\$40,000.00
Sound System	1	L.S. x	\$70,000.00	\$70,000.00
SITE LIGHTING TOTAL				\$631,450.00
<u>ATHLETIC FACILITY IMPROVEMENTS</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total</u>
Synthetic Turf Field	187000	S.F. x	\$8.50 =	\$1,589,500.00
Field Curb Nailer	1165	L.F. x	\$16.00 =	\$18,640.00
Generic Urethane Track, 3/8", Color	3900	S.Y. x	\$40.00 =	\$156,000.00
Bleacher, 6 to 20 Tiers, upto 300' Long	3450	SEAT x	\$300.00 =	\$1,035,000.00
Football Goalpost, Steel, Double Post	2	EA x	\$2,500.00 =	\$5,000.00
Soccer Goal, Regulation	2	EA x	\$2,100.00 =	\$4,200.00
Press Box	1	EA x	\$50,000.00 =	\$50,000.00
ATHLETIC FACILITY IMPROVEMENTS				\$2,858,340.00
E&S CONTROLS TOTAL			=	\$45,000.00
SITE DEMOLITION TOTAL			=	\$12,880.00
EARTHWORK AND EXCAVATION TOTAL			=	\$150,000.00
PAVEMENT AND ASSOCIATED IMPROVEMENTS TOTAL			=	\$484,051.00
WATER DISTRIBUTION TOTAL			=	\$30,000.00
SANITARY SEWER TOTAL			=	\$40,000.00
STORMWATER MANAGEMENT TOTAL			=	\$200,000.00
MISCELLANEOUS SITE IMPROVEMENTS TOTAL			=	\$85,000.00
LANDSCAPING TOTAL			=	\$20,000.00
BUILDINGS/STRUCTURES TOTAL			=	\$1,350,000.00
SITE LIGHTING TOTAL			=	\$631,450.00
ATHLETIC FACILITY IMPROVEMENTS			=	\$2,858,340.00
ESTIMATED SITEWORK CONSTRUCTION COST - SUBTOTAL			=	\$5,906,721.00
Mobilization			5% =	\$295,336.05
Bonding and Insurance			2% =	\$118,134.42
Maintenance of Traffic			1% =	\$59,067.21
Testing and Miscellaneous			2% =	\$118,134.42
Contingency			10% =	\$590,672.10
ESTIMATED SITEWORK CONSTRUCTION COST - TOTAL				\$7,088,065



Preliminary Opinion of Probable Cost Summary

- Veterans Memorial Park
 - Concept 6A - \$9,238,800
 - Concept 7 - \$9,197,900

- Shippensburg Area Sr. High School
 - Concept 1 - \$7,645,321
 - Concept 2 - \$7,088,065



K&W
DESIGNING ENVIRONMENTS
THAT TRANSFORM COMMUNITIES



Questions?