

2019 PAVING WORK

ELM ELEMENTARY SCHOOL BURR RIDGE, ILLINOIS

FOR

COMMUNITY CONSOLIDATED SCHOOL DISTRICT 181 CLARENDON HILLS, DUPAGE COUNTY, ILLINOIS

ABBREVIATIONS AND SYMBOLS

AB	ANCHOR BOLT	DL	DEAD LOAD	INT.	INTERIOR	REINF.	REINFORCING
AC	ACOUSTIC	DN.	DOWN	JAN.	JANITOR	REQD.	REQUIRED
AC.T.	ACOUSTICAL TILE	DR.	DOOR	JT.	JOINT	RM.	ROOM
ADA	AMERICANS WITH DISABILITIES ACT	DRWG.	DRAWING	L	LENGTH	ROW	RIGHT OF WAY
AFF	ABOVE FINISHED FLOOR	DS	DOWNSPOUT	LAM.	LAMINATE	SC	SOLID CORE
ASC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	EA	EACH	LAV.	LAVATORY	SCHED.	SCHEDULE
ALUM.	ALUMINUM	EFS	EXTERIOR INSULATED FINISH SYSTEM	LAV.	LAVATORY	SECT.	SECTION
&	AND	EL.	ELEVATIONS (USGS)	LG.	LONG	SF	SQUARE FOOT
e	AT	ELEV.	ELEVATION	LL	LIVE LOAD	SGT.	STRUCTURAL GLAZED TILE
BB	BULLETIN BOARD	EQ.	EQUAL	LVT	LUXURY VINYL TILE	SHT.	SHEET
BD.	BOARD	EQUIP.	EQUIPMENT	MAS.	MASONRY	SIM.	SIMILAR
BIT.	BITUMINOUS	EW	ELECTRIC WATER COOLER	MAX.	MAXIMUM	SP.	SPACES
BLDG.	BUILDING	EXP.	EXPANSION	MECH.	MECHANICAL	SPEC.	SPECIFICATION
BLKG.	BLOCKING	EXT.	EXTERIOR	MFR.	MANUFACTURER	SQ.	SQUARE
BM.	BEAM	FBO	FURNISHED BY OTHERS	MIN.	MINIMUM	SS	STAINLESS STEEL
BOT.	BOTTOM	FD	FLOOR DRAIN	MISC.	MISCELLANEOUS	STL.	STEEL
BRG.	BEARING	FDN.	FOUNDATION	MO	MASONRY OPENING	STOR.	STORAGE
BTN.	BETWEEN	FE	FIRE EXTINGUISHER	MPH	MILES PER HOUR	STRUCT.	STRUCTURAL
BUR	BUILT-UP ROOF	FEC	FIRE EXTINGUISHER CABINET	MTL.	METAL	SUPT.	SUPPORT
B/	BOTTOM OF	FIN.	FINISHED	MTD.	MOUNTED	SUSP.	SUSPENDED
CAB.	CABINET	FLEX.	FLEXIBLE	NC	NOT IN CONTRACT	SY	SQUARE YARD
CB	CHALKBOARD	FLR.	FLOOR	NO.	NUMBER	T	TREAD
CEIL.	CEILING	FR.	FRAME	NOM.	NOMINAL	TB	TACK BOARD
CJ	CONTROL JOINT	FRMG.	FRAMING	NS	NO SCALE	TEMP.	TEMPERED
CL	CENTERLINE	FRT.	FIRE RETARDANT TREATED	OC	ON CENTER	THK.	THICK
CL.O.	CLOSET	FTG.	FOOTING	OD	OUTSIDE DIAMETER	TL	TOTAL LOAD
CLR.	CLEAR	GA.	GAUGE	OF	OUTSIDE FACE	TOIL.	TOILET
CLRM.	CLASSROOM	OPG.	OPENING	OH	OVERHEAD	TYP.	TYPICAL
CMU	CONCRETE MASONRY UNIT	GALV.	GALVANIZED	OPP.	OPPOSITE	T/	TOP OF
CO	CLEAN OUT	GC	GENERAL CONTRACTOR	PART.	PARTITION	UON	UNLESS OTHERWISE NOTED
COL.	COLUMN	GEN.	GENERAL	PC	PRECAST	VCT	VINYL COMPOSITION TILE
CONC.	CONCRETE	GFCI	GROUND FAULT CIRCUIT INTERRUPTER	PEMB	PRE-ENGINEERED METAL BUILDING	VERT.	VERTICAL
COND.	CONDITION	GFRG	GLASS FIBER REINFORCED CONCRETE	PEWB	PRE-ENGINEERED WOOD BUILDING	VEST.	VESTIBULE
CONST.	CONSTRUCTION	GFRG	GLASS FIBER REINFORCED GYPSUM	PLAS.	PLASTIC	VIF	VERIFY IN FIELD
CONT.	CONTINUOUS	GL.	GLASS	PL	PLATE	W	WIDTH
CONTR.	CONTRACTOR	GYP. BD.	GYPSUM BOARD	PT	PORCELAIN TILE	WC	WATER CLOSET
CORR.	CORRIDOR	HC	HOLLOW CORE	PSF	POUNDS PER SQUARE FOOT	WD.	WOOD
CPT.	CARPET	HM	HOLLOW METAL	PSI	POUNDS PER SQUARE INCH	WWF	WELDED WIRE FABRIC
CT	CERAMIC TILE	HORIZ.	HORIZONTAL	/	PER	W/	WITH
D	DEEP	HT.	HEIGHT	QT	QUARRY TILE	W/O	WITHOUT
DET.	DETAIL	IF	INSIDE FACE	R	RISER	WP	WORK POINT
DF	DRINKING FOUNTAIN	INSUL.	INSULATION	RAD.	RADIUS		
DIA.	DIAMETER			RD	ROOF DRAIN		
DIM.	DIMENSION						

GENERAL DEMOLITION NOTES

- PERFORM DEMOLITION WORK AS NECESSARY TO ACCOMPLISH THE WORK INCLUDING THE REMOVAL AND PROPER DISPOSAL OF ITEMS WHICH ARE NOT TO REMAIN IN USE, INCLUDING BUT NOT NECESSARILY LIMITED TO BITUMINOUS PAVING, CONCRETE SIDEWALKS, TAR AND CHIP PAVING, GRAVEL BASE, SUB-BASE, ETC.
- DRAWINGS INDICATE THE GENERAL INTENT OF THE DEMOLITION WORK AND ARE FOR REFERENCE PURPOSES ONLY. THEY ARE NOT INTENDED TO BE THE SOLE SOURCE OF EXISTING CONDITIONS TO BE DEMOLISHED.
- EXACT EXTENT OF DEMOLITION AS SHOWN ON DRAWINGS AND TO BE PERFORMED SHALL BE VERIFIED AT THE SITE. DETERMINE THE NATURE AND EXTENT OF DEMOLITION THAT WILL BE NECESSARY BY COMPARING THE DRAWINGS WITH EXISTING SITE CONDITIONS. OPERATIONS SHALL BE DONE IN A CAREFUL AND ORDERLY MANNER TO AVOID HAZARDS TO PERSONS AND PROPERTY, AND INTERFERENCE WITH THE USE OF ADJACENT AREA, AND INTERRUPTIONS OF FREE PASSAGE TO AND FROM SUCH AREA.
- PROPERLY DISPOSE OF DEMOLISHED MATERIALS AND OTHER OBSTACLES AS REQUIRED FOR A COMPLETE AND PROPER INSTALLATION OF NEW WORK AND THE DISPOSAL OF MATERIALS INCIDENTAL TO THE WORK.

GENERAL NOTES

- EACH BIDDER SHALL VISIT THE SITE OF PROPOSED WORK AND FULLY ACQUAINT THEMSELVES WITH CONDITIONS RELATING TO CONSTRUCTION AND LABOR SO THAT THEY MAY FULLY UNDERSTAND THE FACILITIES, DIFFICULTIES, AND RESTRICTIONS AFFECTING THE COMPLETION OF THE WORK INCLUDED UNDER THE CONTRACT.
- FIELD VERIFY AND COORDINATE ITEMS, DIMENSIONS, CONDITIONS, AND QUANTITIES, ETC. NOTIFY ARCHITECT OF ANY APPARENT DISCREPANCIES.
- MAINTAIN REQUIRED EXITS FROM THE EXISTING BUILDING AND SITE THROUGH SUBSTANTIAL COMPLETION.
- EXISTING ITEMS ARE TO REMAIN, UNLESS OTHERWISE NOTED.
- PROPERLY PROTECT EXISTING BUILDING, CONCRETE WALKS, CURBS, PAVING, FENCING, GRASS, LANDSCAPING, ETC. REPLACE DISTURBED AND DAMAGED AREAS WITH NEW LIKE MATERIALS, SOD, LANDSCAPING, ETC. MATCHING EXISTING. REPAIR EXISTING CONCRETE CURBS, PAVING, FENCING, ETC. TO REMAIN AFFECTED BY THE WORK WITH MATERIALS MATCHING EXISTING.
- TAKE NECESSARY PRECAUTIONS AND PROVISIONS TO PROTECT UTILITIES ON AND ADJACENT TO AREAS OF WORK. COORDINATE UTILITY LOCATIONS WITH J.U.L.I.E. PRIOR TO THE START OF WORK.
- PROTECT EXISTING TREES, SHRUBS, LANDSCAPING BASE, LIGHT POLES, PIPE BUMPERS, FENCES, SIGNS, MAN HOLES, FIRE HYDRANTS, ETC.
- MAINTAIN EXISTING PAVEMENT SLOPES AND DRAINAGE, UNLESS OTHERWISE NOTED. CONTRACTOR TO SURVEY, VERIFY AND COORDINATE GRADING TO INSURE STORM WATER RUNOFF WILL FLOW TO CATCH BASINS, INLETS, ETC. AND NOT BE TRAPPED.
- FINAL GRADES OF BITUMINOUS PAVING TO MATCH EXISTING, VERIFY IN FIELD.
- TOP OF NEW BITUMINOUS PAVING TO BE FLUSH WITH TOP OF EXISTING PAVEMENT AT BUILDING ACCESS POINTS INCLUDING BUT NOT LIMITED TO CONCRETE STOOPS AND RAMPS, ETC., TYP.
- PROVIDE 4" PAINTED PARKING STRIPING TO MATCH EXISTING, VERIFY IN FIELD. CONFIRM FINAL LAYOUT AND STALL LOCATIONS WITH OWNER.
- DRAWINGS INDICATE THE GENERAL LAYOUT OF PARKING STALLS, STRIPING, ETC. THEY ARE NOT INTENDED TO BE THE SOLE SOURCE OF EXISTING STRIPING TO BE REPLACED. EXACT EXTENT OF STALLS AND STRIPING SHALL BE VERIFIED AT THE SITE. PROVIDE NEW PAINTED PARKING STRIPING, DIRECTIONAL ARROWS, CROSSWALKS, SYMBOLS, ETC. TO MATCH THE EXISTING LOT MARKINGS, VERIFY IN FIELD, WHETHER INDICATED OR NOT ON THE PLAN - TYP. VERIFY FINAL STRIPING LAYOUT WITH OWNER PRIOR TO PAINTING - TYP.
- PAINT (COLOR: YELLOW) PARKING STALL STRIPING, DIAGONAL STRIPING AND SYMBOLS AT ACCESSIBLE ADA PARKING SPACES AS INDICATED.
- PATCH EXISTING SURFACES AFFECTED BY THE WORK TO MATCH ADJACENT SURFACES AND FINISHES, WHETHER SHOWN OR NOT, UNLESS OTHERWISE NOTED.
- REPAIR DISTURBED GRASS AREAS WITH FERTILIZER AND SOD.

DRAWINGS INDEX

TITLE	
T-1	TITLE SHEET, ABBREVIATIONS AND SYMBOLS, GENERAL NOTES, DRAWINGS INDEX, CERTIFICATION
ARCHITECTURAL	
A-1	SITE PLAN - PAVING, DETAILS
A-2	SITE PLAN - STRIPING

CERTIFICATION

Architect: HEALY, BENDER & ASSOCIATES, INC.

We hereby certify that these Drawings and Specifications dated January 15, 2019 for the construction of the 2019 Paving Work, Elm Elementary School located at 15 W. 201 60th Street, Burr Ridge, Illinois 60527 for Community Consolidated School District 181 in Clarendon Hills, DuPage County, Illinois were prepared under our supervision and to the best of our knowledge comply with 2015 International Building Code and 23 Illinois Administrative Code 180 as prepared and provided by the State Board of Education.



The Drawings consist of drawings as listed in the Drawings Index on drawing Title Sheet T-1.

The Specifications consist of specification sections as listed in the Project Manual Table of Contents.

The Contract Documents also include the AIA Document A101 - Standard Form of Agreement Between Owner & Contractor, 2017 Edition; and AIA Document A201 - General Conditions of the Contract for Construction, 2017 Edition; and Section 00 80 00 - Supplementary Conditions.

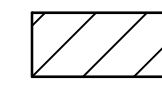
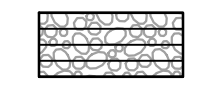
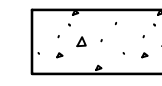
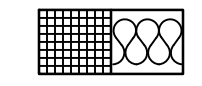
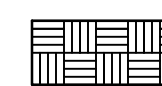

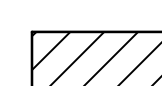

HEALY, BENDER & ASSOCIATES, INC.
By: David G. Patton, AIA, LEED AP BD+C

License Number: 001-011421
License Expires: November 30, 2020

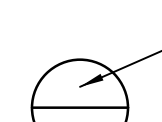
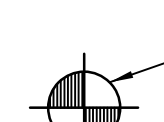
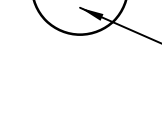
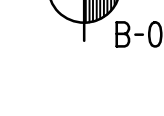
Signature:  

Professional Design Firm - Architect Corporation
Healy, Bender & Associates, Inc.
David G. Patton, Managing Agent
License Number: 184-000385
Expiration Date: April 30, 2019

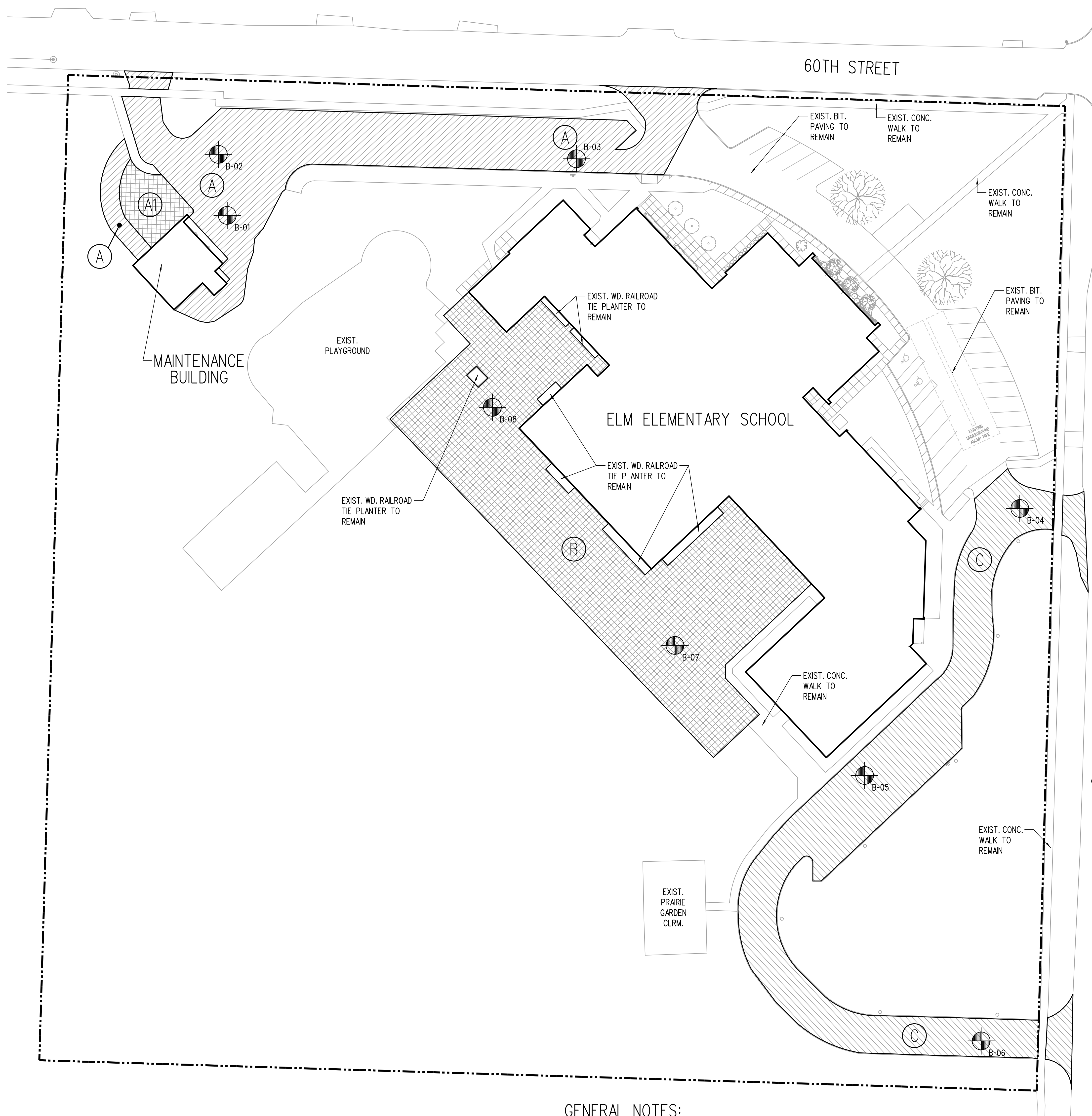
MATERIAL INDICATIONS

	CMU		GRAVEL
	CONCRETE		INSULATION - RIGID BATT
	EARTH		METAL - LARGE BATT
	FACE BRICK		WOOD - ROUGH FINISHED

MARKING EXPLANATIONS

	DETAIL OR SECTION NUMBER		APPROXIMATE SOIL BORING LOCATION
	SHEET WHERE DETAIL OR SECTION APPEARS		SOIL BORING NUMBER

TITLE SHEET, ABBREVIATIONS AND SYMBOLS, GENERAL NOTES, DRAWINGS INDEX, CERTIFICATION	PROJ. NO. 9-1418-64
2019 PAVING WORK ELM ELEMENTARY SCHOOL BURR RIDGE, ILLINOIS FOR COMMUNITY CONSOLIDATED SCHOOL DISTRICT 181 CLARENDON HILLS, DUPAGE COUNTY, ILLINOIS	DRAWN BY LCB DATE 01-15-2019 REVISIONS
HEALY, BENDER & ASSOCIATES, INC. ARCHITECTS PLANNERS 1400 HEINE AVENUE, NAPERVILLE, IL 60564 TEL: 630.964.4300 FAX: 630.964.0155	SHEET NO. T-1 OF 1

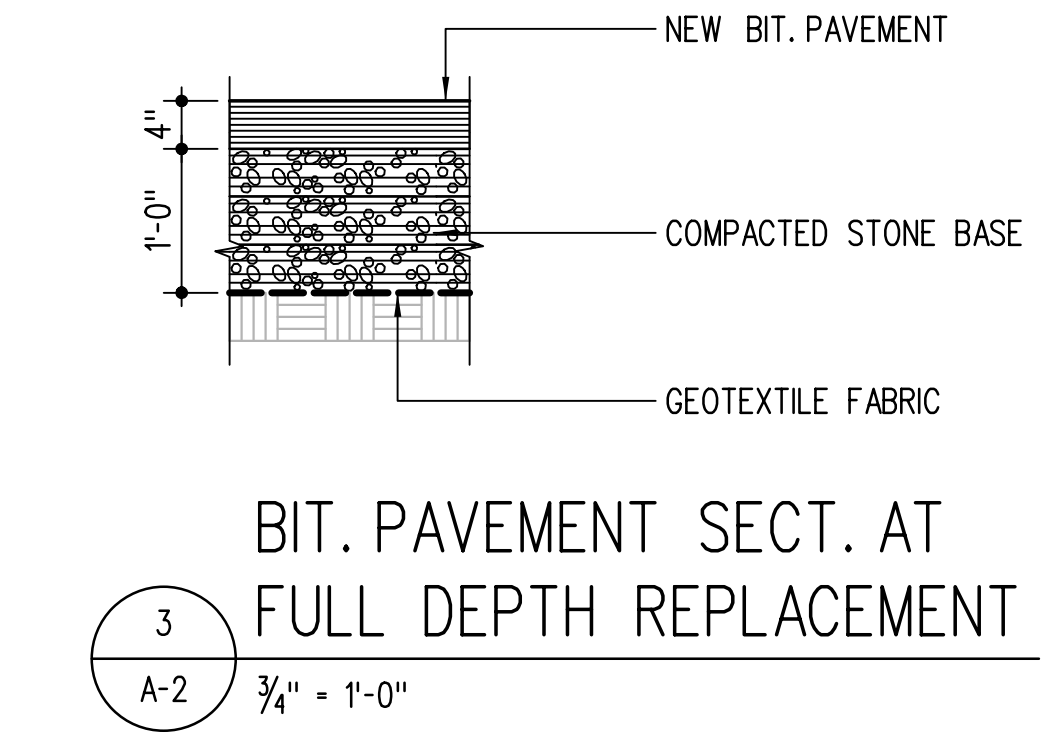
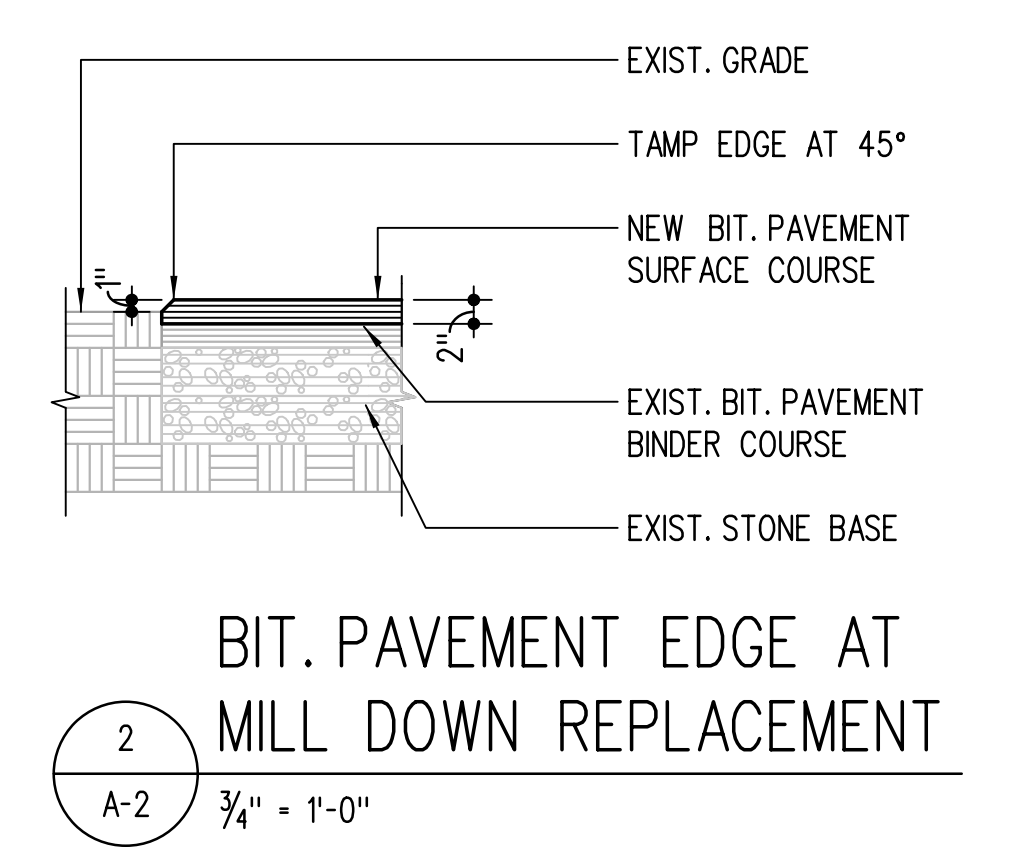
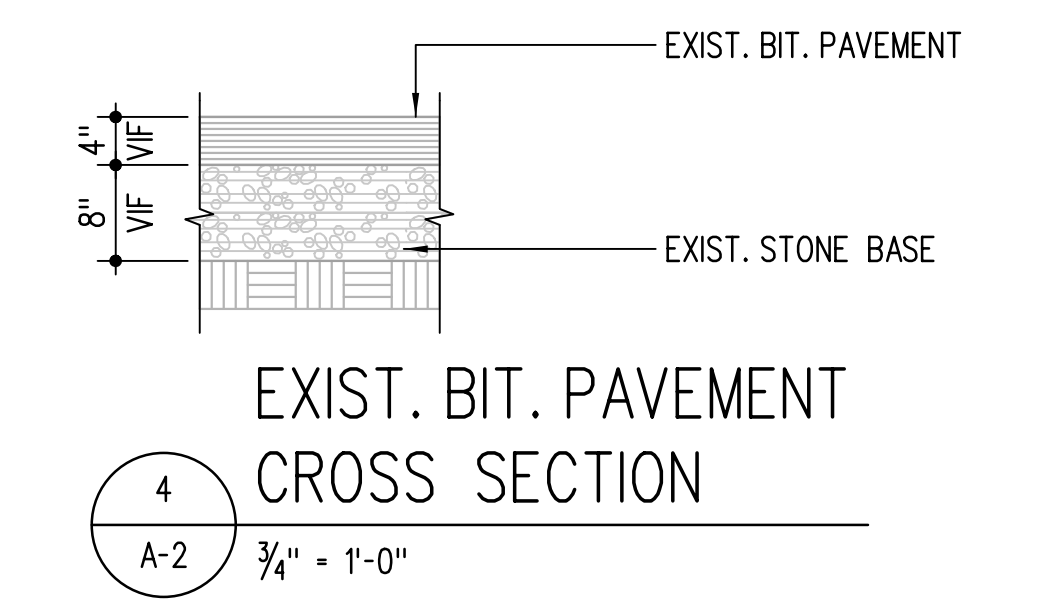
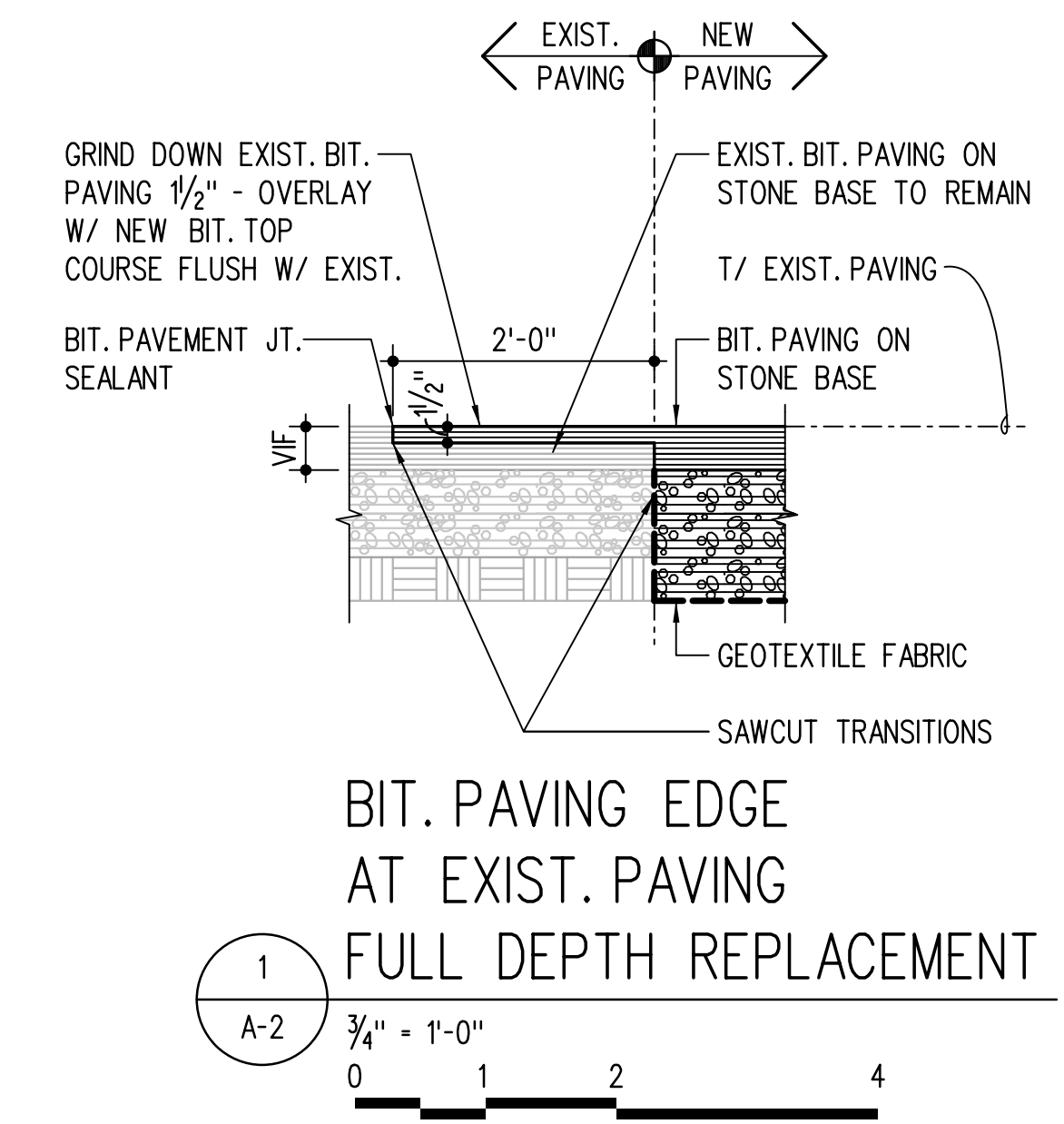


WORK SCOPE LEGEND

- (A)** NORTHWEST LOT AND DRIVE: 17,260 SF - VIF
ENTIRE AREA TO RECEIVE FULL DEPTH BITUMINOUS PAVEMENT AND BASE REPLACEMENT.
PROVIDE PAINTED STRIPING AND SYMBOLS PER STRIPING PLAN, MEETING REQUIREMENTS AND APPROVAL OF THE OWNER AND THE AUTHORITY HAVING JURISDICTION.
- (A1)** EXISTING GRASS AREA NORTHWEST OF MAINTENANCE BUILDING: 1,428 SF - VIF
ENTIRE AREA TO RECEIVE NEW BITUMINOUS PAVEMENT AND BASE.
PROVIDE PAINTED STRIPING AND SYMBOLS PER STRIPING PLAN, MEETING REQUIREMENTS AND APPROVAL OF THE OWNER AND THE AUTHORITY HAVING JURISDICTION.
- (B)** PLAYGROUND: 23,984 SF - VIF
ENTIRE AREA TO RECEIVE MILL DOWN BITUMINOUS PAVEMENT REPLACEMENT.
PROVIDE PAINTED STRIPING AND SYMBOLS PER STRIPING PLAN, MEETING REQUIREMENTS AND APPROVAL OF THE OWNER AND THE AUTHORITY HAVING JURISDICTION.
- (C)** SOUTHEAST LOT AND DRIVE: 17,308 SF - VIF
ENTIRE AREA TO RECEIVE FULL DEPTH BITUMINOUS PAVEMENT AND BASE REPLACEMENT.
PROVIDE PAINTED STRIPING AND SYMBOLS PER STRIPING PLAN, MEETING REQUIREMENTS AND APPROVAL OF THE OWNER AND THE AUTHORITY HAVING JURISDICTION.

WORK SCOPE NOTES:

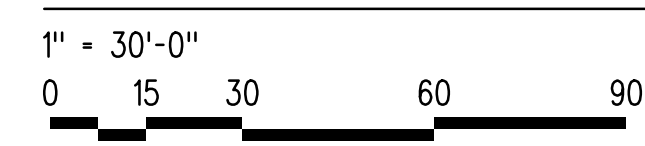
1. MILL DOWN BITUMINOUS PAVEMENT REPLACEMENT:
EXISTING BITUMINOUS PAVING TO BE MILLED DOWN 2". INSPECT EXPOSED BITUMINOUS SURFACES, FILL CRACKS WITH CRACK REPAIR SEALANT, AREAS OF SEVERELY DAMAGED AND/OR DETERIORATED BITUMINOUS SURFACES TO BE SAWCUT AND REMOVED DOWN TO EXISTING STONE BASE. TESTING AGENCY TO TEST STONE BASE FOR PROPER COMPACTION. APPLY TACK COAT AND COMPACTED BINDER COURSE FLUSH WITH ADJACENT MILLED BITUMINOUS SURFACES. PROPERLY PREPARE AND CLEAN EXISTING BITUMINOUS PAVING AREAS OF LOOSE MATERIALS, DIRT, AND DEBRIS. ENTIRE AREA TO RECEIVE TACK COAT AND BE OVERLAD WITH 2" COMPACTED THICKNESS BITUMINOUS SURFACE COURSE. PROVIDE FLUSH CONDITION WITH ADJACENT EXISTING PAVING TO REMAIN. MAINTAIN EXISTING SLOPES AND DRAINAGE.
2. FULL DEPTH BITUMINOUS PAVEMENT AND BASE REPLACEMENT:
EXISTING DAMAGED AND/OR DETERIORATED BITUMINOUS SURFACES TO BE SAW CUT AND REMOVED DOWN TO EXISTING STONE BASE AND PROPERLY DISPOSED OF OFF-SITE. EXISTING STONE BASE TO BE REMOVED, CLEANED, AND STOCKPILED FOR REUSE. EXISTING SUB-BASE TO BE REMOVED AS REQUIRED TO MEET NEW PAVEMENT SECTION SUBGRADES. TESTING AGENCY TO PROOFROLL EXISTING SUB-BASE TO REMAIN WITH A RUBBER TIRE TRUCK OR TRACTOR-TRAILER COMBINATION LOADED WITH 20 TONS OF PAYLOAD. AREAS THAT ARE FOUND TO PUMP AND/OR RUT SHALL BE UNDERCUT, DEPTH AS DIRECTED BY TESTING AGENCY, AND UNDERCUT SOILS SHALL BE PROPERLY DISPOSED OF OFF-SITE. PROVIDE GEOTEXTILE FABRIC AND INFILL EXCAVATION WITH MAXIMUM 8" LOOSE LIFT CA-6, TYPE B CRUSHED STONE PER STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, JANUARY 1, 2016 EDITION, COMPACTED TO A MINIMUM 90% OF THE MAXIMUM DRY DENSITY FOR MODIFIED PROCTOR PER ASTM D1557-12. PROVIDE MINIMUM 12" THICK PROPERLY COMPACTED CA-6 GRAVEL PAVEMENT BASE, APPLY TACK COAT AND 2 1/2" COMPACTED THICKNESS BINDER COURSE, AND 1 1/2" COMPACTED THICKNESS SURFACE COURSE. PROVIDE FLUSH CONDITION WITH ADJACENT EXISTING PAVING TO REMAIN. MAINTAIN EXISTING SLOPES AND DRAINAGE.
3. NEW BITUMINOUS PAVEMENT AND BASE.
EXISTING GRASS, TOPSOIL, AND OTHER DELETERIOUS MATERIAL SHALL BE COMPLETELY REMOVED AND PROPERLY DISPOSED OF OFF-SITE. EXISTING SUB-BASE TO BE REMOVED AS REQUIRED TO MEET NEW PAVEMENT SECTION SUBGRADES. TESTING AGENCY TO PROOFROLL EXISTING SUB-BASE TO REMAIN WITH A RUBBER TIRE TRUCK OR TRACTOR-TRAILER COMBINATION LOADED WITH 20 TONS OF PAYLOAD. AREAS THAT ARE FOUND TO PUMP AND/OR RUT SHALL BE UNDERCUT, DEPTH AS DIRECTED BY TESTING AGENCY, AND UNDERCUT SOILS SHALL BE PROPERLY DISPOSED OF OFF-SITE. PROVIDE GEOTEXTILE FABRIC AND INFILL EXCAVATION WITH MAXIMUM 8" LOOSE LIFT CA-6, TYPE B CRUSHED STONE PER STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, JANUARY 1, 2016 EDITION, COMPACTED TO A MINIMUM 90% OF THE MAXIMUM DRY DENSITY FOR MODIFIED PROCTOR PER ASTM D1557-12. PROVIDE MINIMUM 12" THICK PROPERLY COMPACTED CA-6 GRAVEL PAVEMENT BASE, APPLY TACK COAT AND 2 1/2" COMPACTED THICKNESS BINDER COURSE, AND 1 1/2" COMPACTED THICKNESS SURFACE COURSE. PROVIDE FLUSH CONDITION WITH ADJACENT EXISTING PAVING TO REMAIN. MAINTAIN EXISTING SLOPES AND DRAINAGE.



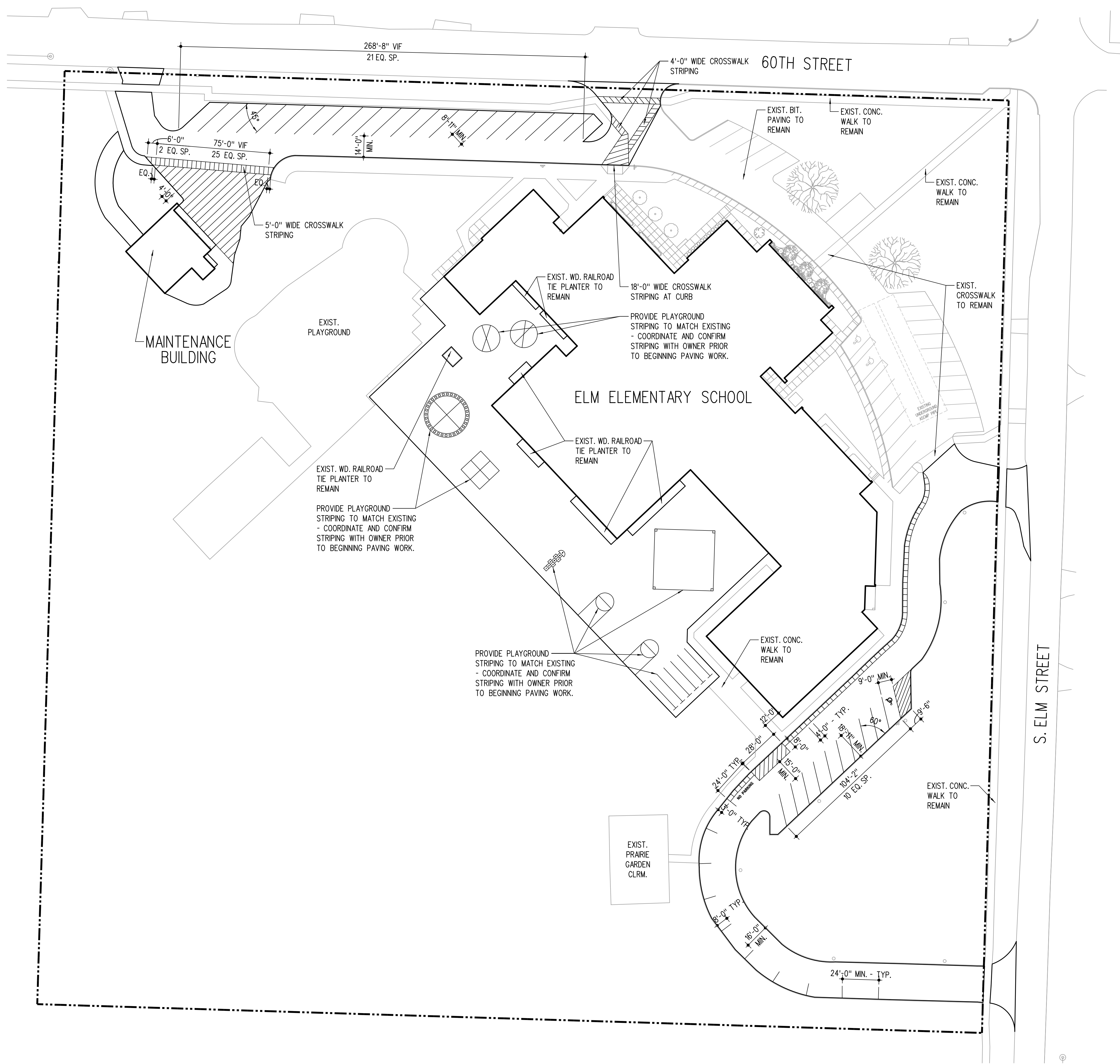
GENERAL NOTES:

1. DIMENSIONS SHOWN ARE APPROXIMATE, VERIFY IN FIELD.
2. PROPERLY PROTECT EXISTING PROPERTY AND SURFACES FROM DAMAGE INCLUDING BUT NOT LIMITED TO: GRASS, LANDSCAPING, SIDEWALKS, CURBS, CHAIN-LINK FENCING, ETC. CONTRACTOR TO RESTORE AND/OR REPLACE EXISTING PROPERTY/SURFACES AFFECTED BY THE WORK TO ORIGINAL CONDITION MEETING OWNER'S APPROVAL.
3. WHERE NEW BITUMINOUS PAVEMENT ABUTS EXISTING PAVEMENT, PROVIDE SMOOTH AND FLUSH CONDITION.
4. FINAL GRADE OF BITUMINOUS PAVEMENT TO MATCH EXISTING AND AS REQUIRED TO PROVIDE FOR PROPER DRAINAGE, VERIFY IN FIELD.
5. GRADES TO SLOPE UNIFORMLY DOWN AND AWAY FROM BUILDING.

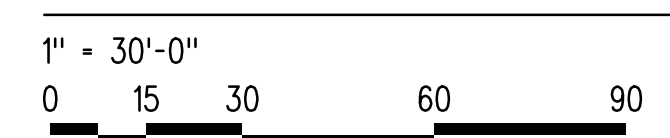
SITE PLAN - PAVING



SITE PLAN - PAVING, DETAILS		PROJ. NO. 9-1418-64
2019 PAVING WORK ELM ELEMENTARY SCHOOL EUPUR RIDGE, ILLINOIS FOR COMMUNITY CONSOLIDATED SCHOOL DISTRICT 181 CLARENDON HILLS, DUPAGE COUNTY, ILLINOIS		DRAWN BY LCB DATE 01-15-2019 REVISIONS
HEALY, BENDER & ASSOCIATES, INC. ARCHITECTS PLANNERS 1400 HEINE AVENUE, NAPERVILLE, IL 60564 TEL: 630.964.4300 FAX: 630.964.0515		SHEET NO. A-1 OF 2



SITE PLAN - STRIPING



SITE PLAN - STRIPING		PROJ. NO. 9-1418-64
2019 PAVING WORK ELM ELEMENTARY SCHOOL EJUBR RIDGE, ILLINOIS		DRAWN BY LCB
FOR COMMUNITY CONSOLIDATED SCHOOL DISTRICT 181 CLARENDON HILLS, DUPAGE COUNTY, ILLINOIS		DATE 01-15-2019
■ ■ ■ HEALY, BENDER & ASSOCIATES, INC. ARCHITECTS PLANNERS 400 HEINE AVENUE, NAPERVILLE, IL 60564 TEL: 630.964.4300 FAX: 630.964.0315		SHEET NO. A-2 OF 2