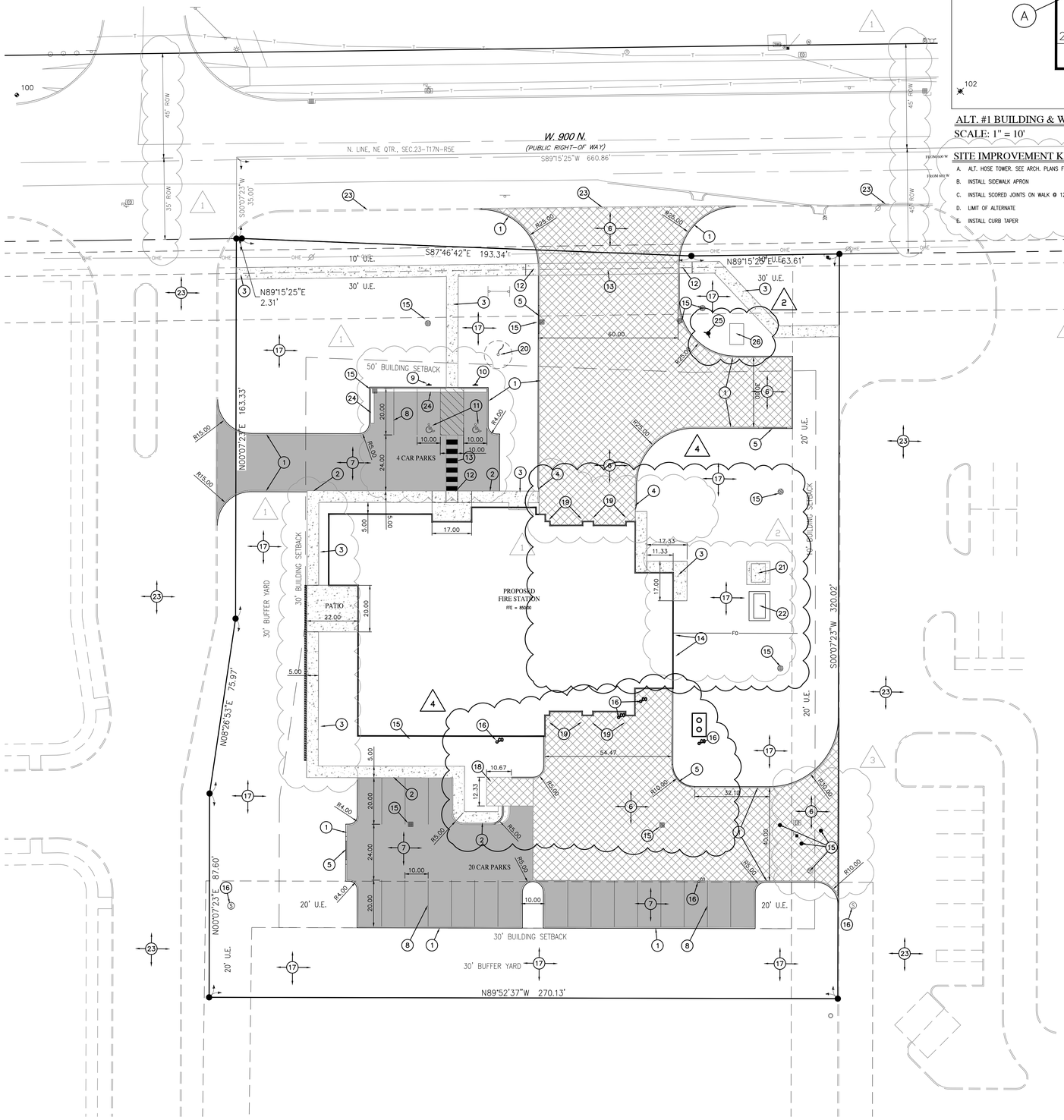

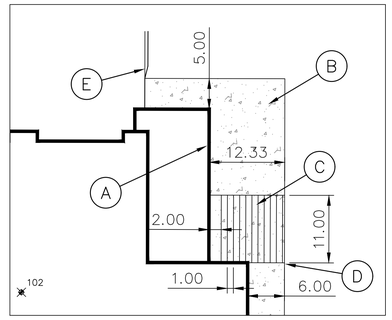

ALT. #1 BUILDING & WALK ADD:

SCALE: 1" = 10'

SITE IMPROVEMENT KEYNOTES:

A. ALT. HOSE TOWER. SEE ARCH. PLANS FOR DETAILS.

B. INSTALL SIDEWALK APRON

C. INSTALL SCORED JOINTS ON WALK @ 12" O.C.

D. LIMIT OF ALTERNATE

E. INSTALL CURB TAPER

Indiana 811
KNOW WHAT'S BELOW.
CALL BEFORE YOU DIG.
Call 811 or 800-382-5544 Before you Dig!

GRAPHIC SCALE
0' 20' 40' 60'
(IN FEET)

LEGEND:

EXISTING		PROPOSED
	FENCE	
S	SANITARY MANHOLE	
ST	STORM MANHOLE	
	STORM INLET	
	FIRE HYDRANT	
	BENCHMARK	
	WATER VALVE	
	GAS VALVE	
	CLEAN OUT	
	BOLLARD	
	MONUMENT	
W	WATER METER	
	LIGHT POLE	
	UTILITY POLE	
	GUY ANCHOR	
		PROPOSED REGULAR DUTY ASPHALT PAVEMENT (SEE ALT. #2 NOTE)
		PROPOSED SIDEWALK
		PROPOSED HEAVY DUTY CONCRETE PAVEMENT

ALT. #2 CONCRETE PAVING:

CONTRACTOR TO PROVIDE ALTERNATE PRICING TO PROVIDE REGULAR DUTY CONCRETE IN LIEU OF THE REGULAR DUTY ASPHALT IN THE PARKING AND DRIVE AREAS. SEE DETAIL #1 ON SHEET C803 FOR CONCRETE SECTION.

SITE IMPROVEMENT KEYNOTES:

1. INSTALL BARRIER CURBS PER TOWN STANDARDS
2. INSTALL INTEGRAL CONCRETE CURB AND WALK (PER DETAIL #3 ON SHEET C803)
3. INSTALL CONCRETE SIDEWALK (PER DETAIL #2 ON SHEET C803)
4. INSTALL CURB TAPER. (PER DETAIL #18 ON SHEET C803)
5. INSTALL DEPRESSED CURB (PER DETAIL #17 ON SHEET C803)
6. INSTALL HEAVY DUTY CONCRETE PAVEMENT (PER DETAIL #6 ON SHEET C803)
7. INSTALL REGULAR DUTY ASPHALT (PER DETAIL #8 ON SHEET C803)
8. INSTALL PAVEMENT STRIPING. (PER DETAIL #9 ON SHEET C803 & TOWN STANDARDS)
9. INSTALL VAN ACCESSIBLE PARKING SIGN (PER DETAIL #14 ON SHEET C803)
10. INSTALL ACCESSIBLE PARKING SIGN (PER DETAIL #14 ON SHEET C803)
11. INSTALL ADA PARKING STRIPING (PER DETAIL #9 ON SHEET C803)
12. INSTALL CONCRETE RAMP (PER DETAIL #10 ON SHEET C803)
13. INSTALL STRIPED CROSSWALK
14. SEE MEP SHEETS FOR UTILITY CONNECTIONS
15. STORM STRUCTURE. (SEE SITE DRAINAGE AND UTILITY PLAN FOR MORE INFORMATION)
16. SANITARY STRUCTURE. (SEE SITE DRAINAGE AND UTILITY PLAN FOR MORE INFORMATION)
17. LANDSCAPING / GRASS. (SEE LANDSCAPE PLANS AND DETAILS ON SHEETS L101-L102)
18. INSTALL DUMPSTER ENCLOSURE (PER DETAILS ON SHEET C806)
19. INSTALL PIPE BOLLARD (PER DETAIL #4 ON SHEET C803)
20. INSTALL FLAGPOLE
21. INSTALL TRANSFORMER PAD PER UTILITY
22. GENERATOR BY OTHERS
23. PROPOSED IMPROVEMENTS BY OTHERS UNDER CONSTRUCTION
24. INSTALL CURB & GUTTER PER TOWN STANDARDS
25. INSTALL FIRE HYDRANT
26. INSTALL WATER SERVICE VAULT

SITE IMPROVEMENT GENERAL NOTES:

1. ALL EXCAVATED TRENCHES UNDER PROPOSED PAVED AREAS INCLUDING SIDEWALKS SHALL BE BACKFILLED WITH GRANULAR MATERIAL PER PROJECT SPECIFICATIONS AND COMPACTED IN LIFTS. GRANULAR MATERIAL SHALL EXTEND 5 FEET BEYOND THE LIMITS OF THE PAVEMENT AT THE SURFACE WITH A 1:1 SLOPE OUTWARD TO THE BOTTOM OF THE TRENCH.
2. WHERE NECESSARY, UTILITY SERVICE CONDUITS SHALL BE INSTALLED UNDER PAVED AREAS AND BACKFILLED AS SPECIFIED ABOVE BEFORE PAVEMENT IS CONSTRUCTED. COORDINATE CONDUIT REQUIREMENTS WITH UTILITY COMPANIES AND MECHANICAL CONTRACTORS.
3. FOLLOWING THE COMPLETION OF ALL UNDERGROUND WORK IN PAVED AREAS, AGGREGATE BASE SHALL BE APPLIED AND COMPACTED TO THE THICKNESS INDICATED ON THE APPROPRIATE PAVEMENT DESIGN DETAIL. COMPACT BASE COURSE AT OPTIMUM MOISTURE CONTENT TO NOT LESS THAN 95% OF MAXIMUM DRY DENSITY ACCORDING TO ASTM D-1557. WHEN THICKNESS OF COMPACTED BASE EXCEEDS 6 INCHES, PLACE MATERIALS IN EQUAL LAYERS, WITH NO LAYER MORE THAN 6 INCHES OR LESS THAN 3 INCHES THICK WHEN COMPACTED. COMPACT WITH A MEDIUM WEIGHT SMOOTH WHEELED ROLLER OR EQUIVALENT. ALONG CURBS, WALLS AND ALL LOCATIONS NOT ACCESSIBLE TO THE ROLLER, COMPACT AGGREGATE BASE WITH HAND OPERATED TAMPERS.
4. PORTLAND CEMENT CONCRETE PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH PROJECT SPECIFICATIONS. SEE CONSTRUCTION DETAILS FOR PAVEMENT DESIGN INFORMATION.
5. THE CONNECTION OF NEW PAVEMENT TO EXISTING PAVEMENT SHALL MATCH EXISTING GRADES AND PROFILES.
6. PORTLAND CEMENT SHALL CONFORM TO THE REQUIREMENTS OF ASTM C-150. ONLY ONE BRAND AND MANUFACTURER OF APPROVED CEMENT SHALL BE USED FOR ANY ONE STRUCTURE. REGULAR FINE AND COARSE AGGREGATES SHALL CONFORM TO THE REQUIREMENTS OF ASTM C-33. ALL WATER USED SHALL BE POTABLE, CLEAN AND FREE FROM OILS, ACIDS, ALKALIS, ORGANIC MATERIAL OR OTHER SUBSTANCES THAT MAY BE DELETERIOUS TO CONCRETE OR STEEL.
7. REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-615, GRADE 60. WELDED WIRE FABRIC OR WIRE MESH SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-185. REINFORCEMENT SHALL BE CUT AND BENT IN ACCORDANCE WITH ACI 315. COMPLY WITH ARSI RECOMMENDED PRACTICE "PLACING REINFORCING BARS" FOR PLACING AND SUPPORTING REINFORCEMENT.
8. ALL CONCRETE USED ON THIS PROJECT SHALL BE CLASS A STRUCTURAL CONCRETE WITH A 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI, 6-1/2 BAGS, 2 TO 4 INCH SLUMP RANGE, 5% TO 8% AIR CONTENT. CLASS A CONCRETE SHALL BE PROPORTIONED IN ACCORDANCE WITH ACI 211.1. ALL READY MIXED CONCRETE SHALL BE MIXED, DELIVERED, AND PLACED IN ACCORDANCE WITH ASTM C-94.
9. FORMS SHALL BE CONSTRUCTED OF WOOD, PLYWOOD, STEEL, OR OTHER APPROVED MATERIALS AND SHALL BE MORTAR TIGHT. THE FORMS AND ASSOCIATED FALSEWORK SHALL BE SUBSTANTIAL AND UNYIELDING AND SHALL BE CONSTRUCTED SO THAT THE FINISHED CONCRETE WILL CONFORM TO THE DIMENSIONS AND CONTOURS SHOWN ON THE DRAWINGS. FORM SURFACES SHALL BE SMOOTH AND FREE FROM HOLES, DENTS, SAGS, AND OTHER IRREGULARITIES. THE FORMS SHALL BE COATED WITH A NON-STAINING OIL BEFORE CONCRETE IS POURED. REMOVE FORMS A MINIMUM OF 24 HOURS AFTER PLACING CONCRETE.
10. ALL CONCRETE SHALL BE PLACED IN ACCORDANCE WITH ACI 304. FORMED CONCRETE SHALL BE UNIFORMLY CONSOLIDATED USING A MECHANICAL VIBRATOR. COMPLY WITH THE RECOMMENDATIONS OF ACI 306R FOR COLD WEATHER PLACEMENT AND ACI 305R FOR HOT WEATHER PLACEMENT. PROTECT FRESHLY PLACED CONCRETE FROM PREMATURE DRYING AND TO ENSURE PROPER MOISTURE CONTROL DURING CURING.

GEOMETRIC LAYOUT NOTES:

1. SURVEY PREPARED BY:
   HWC ENGINEERING LLC
   135 N PENNSYLVANIA STREET, SUITE 2800
   INDIANAPOLIS, INDIANA 46204
   317-347-3663
2. ALL DIMENSIONS ARE REFERENCED TO THE EDGE OF PAVEMENT, EDGE OF SIDEWALK, FRONT OF CURB, OR OUTSIDE SURFACE OF BUILDING WALL UNLESS OTHERWISE NOTED.
3. REFER TO BUILDING PLANS FOR ALL BUILDING DIMENSIONS AND LAYOUT DETAILS
4. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL REQUIRED CONSTRUCTION LINE AND GRADE TO ENSURE ACCURATE LAYOUT OF SITE IMPROVEMENTS. DIGITAL FILES OF CONSTRUCTION PLANS ARE AVAILABLE UPON REQUEST.
5. CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING PROPERTY CORNER MONUMENTS. ANY PROPERTY CORNER MONUMENT DISTURBED OR DESTROYED DURING CONSTRUCTION ACTIVITY SHALL BE REPLACED BY AN INDIANA LICENSED SURVEYOR AT CONTRACTOR'S EXPENSE.
6. CONTRACTOR IS RESPONSIBLE FOR PROTECTING BENCHMARKS. IF BENCHMARKS ARE TO BE DISTURBED OR REMOVED AS PART OF THE DEMOLITION PLAN ACTIVITY, CONTRACTOR SHALL HAVE A INDIANA LICENSED SURVEYOR ESTABLISH ANOTHER BENCHMARK AT A LOCATION OUT OF HARM'S WAY.
7. ANY DISCREPANCIES IN LAYOUT DIMENSIONS SHALL BE REPORTED TO THE PROJECT ENGINEER PRIOR TO PROCEEDING WITH WORK AT THAT LOCATION.

SHEET PRINTED:

DELV DESIGN

VERNON TOWNSHIP FIRE DEPARTMENT

NEW FIRE STATION

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Indianapolis, IN 46202
(317) 296-7400

MEP
Advanced Engineering Consultants
8606 Allisonville Rd, STE 270
Indianapolis, IN 46250
(317) 413-5724

STRUCTURAL
CE Solutions, Inc.
10 Shoshone Dr
Carmel, IN 46032
(317) 818-1912

CIVIL
HWC Engineering
135 N Pennsylvania Street, STE 2800
Indianapolis, IN 46204
(317) 347-3663

CONSTRUCTION MANAGER
Garmong Construction Services
5988 N Michigan Rd
Indianapolis, IN 46228
(317) 682-1001

BID PACKAGE 1

NOT FOR CONSTRUCTION
REGISTERED
PE10809001
STATE OF
INDIANA
PROFESSIONAL ENGINEER

No.	Description	Date
1	TAC COMMENTS	04/13/2022
2	ADDENDUM 04	05/17/2022
3	ADDENDUM 05	05/24/2022
4	ADDENDUM 06	06/13/2022

PROJECT #: 21-044
ISSUE DATE: 04/01/2022
TLL: Author | MWM: Checker

SITE PLAN

C101