

### **PIPE MATERIAL SPECIFICATIONS:**

### DRAINAGE PIPING:

- CATCH BASIN TO LEACHING GALLEY CONNECTIONS: 15"Ø SMOOTH INTERIOR HDPE
- CATCH BASIN TO CATCH BASIN CONNECTIONS: 15"Ø SMOOTH INTERIOR HDPE\*
- CATCH BASIN TO DRAINAGE MANHOLE CONNECTIONS: 15"Ø SMOOTH INTERIOR
- YARD INLET TO DRAINAGE MANHOLE CONNECTIONS: 15"Ø SMOOTH INTERIOR HDPE
- DRAINAGE MANHOLE TO LEACHING GALLEY CONNECTIONS: 15"Ø SMOOTH INTERIOR
- LEACHING GALLEY TO LEACHING GALLEY CONNECTIONS: 10"Ø SMOOTH INTERIOR
- TRENCH DRAIN TO PIPE OUTLET CONNECTIONS: 8"Ø SMOOTH INTERIOR HDPE
- ROOF LEADER TO CATCH BASIN CONNECTIONS: 6"Ø SMOOTH INTERIOR HDPE
- FILTRATION BIO-RETENTION UNDERDRAIN: 6" CORRUGATED PERFORATED HDPE \*UNLESS OTHERWISE NOTED ON PLANS, PROFILES, OR DETAILS

### SANITARY PIPING:

- GRAVITY SANITARY SEWER COLLECTION SYSTEM: 6"Ø PVC (DR 18)\* \*UNLESS OTHERWISE NOTED ON PLANS, PROFILES, OR DETAILS
- WATER PIPING

SYSTEM CONNECTION

STRUCT. NUMBER STRUCTURE TYPE

D1 NEW CATCH BASIN

D2 NEW CATCH BASIN

D3 NEW CASCADE HDS

D7 NEW CATCH BASIN

D8 NEW CATCH BASIN

D9 NEW CATCH BASIN

D10 NEW CATCH BASIN

D11 NEW CASCADE HDS

D12 NEW CATCH BASIN

D13 NEW CATCH BASIN

D14 NEW CATCH BASIN

D15 NEW CASCADE HDS

D16 NEW YARD INLET

D17 NEW YARD INLET

D18 NEW YARD INLET

D19 NEW CATCH BASIN

D22 NEW CASCADE HDS

D21 EXISTING NYSDOT CATCH BASIN

(\*) DENOTES DUCTILE IRON PIPE SHALL BE USED

(\*\*) DENOTES RIM IS HIGHER THAN FINISHED GRADE

(\*\*\*) DENOTES PERFORATED UNDERDRAIN PIPE SHALL BE USED

**VARIES** 

**NEW YARD INLET** 

SEE PLUMBING PLANS

LEGEND **DESCRIPTION** MAJOR CONTOUR \_\_\_\_\_240 \_\_\_\_\_ MINOR CONTOUR BORING / TEST HOLE LOCATION

RIDGE LINE

RETAINING WALL

CATCH BASIN

YARD INLET

ROOF LEADER

GREASE TRAP

DRAINAGE CLEAN OUT

SANITARY CLEAN OUT

SANITARY MANHOLE

UTILITY POLE/GUY POLE

TRAFFIC SIGNAL POLE

LIGHTED BOLLARD

FLOW ARROW

SANITARY LINE DRAINAGE LINE

ELECTRIC LINE

**ROOF LEADER LIN** 

FIRE SERVICE LINE

LEACHING GALLEY STRUCTURE SCHEDULE

INV. ELEVATION

NE 396.10 (15"

NW 395.00 (15")

SW 395.00 (10")

SW 395.00 (10") SE 395.00 (15")

NE 396.50 (10")

NE 396.50 (10")

NOTE: PROVIDE CASTING TO GRADE AT ALL LEACHING GALLEYS W/ PIPED CONNECTION.

NW 395.00 (15")

DRAINAGE STRUCTURE SCHEDULE

NEW 4'Ø DRAINAGE MANHOLE W/ SOLID COVER

D6 NEW 4'Ø DRAINAGE MANHOLE W/ SOLID COVER

WATER SERVICE LINI **OVERHEAD UTILITIES LINE** LIMIT OF DISTURBANCE LINE

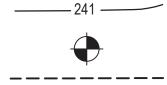
STRUCTURE

ELEVATION

398.00

GAS LINE

LIGHT POLE



B

MIN SURFACE

**ELEVATION** 

399.00

399.00

INVERT ELEVATIONS

RIM 408.70 NW,NE,SW 402.50 (15")

RIM 399.25 | NE, SE, SW 395.05 (15")

SW 404.10 (15")

NE 403.95 (15")

SE 402.25 (15")

W 394.10 (15")

NE 395.55 (10")

SW 395.55 (15")

NW 395.55 (6") NE 395.35 (15")

SE 395.35 (10") SW 395.35 (6")

NE 395.70 (10")

SE 395.85 (15")

SE 395.40 (15")

NE 395.60 (10")

SE 396.20 (10")\*

NW, SE 395.35 (15")

NE 391.70 (6")\* \* \* SW 391.70 (6")\* \* \*

NE 391.70 (15")

SW 392.10 (15")

NE 391.70 (15")

NW 392.75 (15")

SW 390.00 (15")

NE 393.75 (8"

NE 391.55 (EXIST.)

S 391.55 (15")

N, S 392.65 (15")

NOTE 1 | 396.65 (4")

NW, SW 395.40 (10")\*

NW 397.50 (15")

SW, E 394.45 (15")

STRUCTURE

**ELEVATION** 

395.00

395.00

ELEVATION

RIM 407.47

RIM 407.33

RIM 408.60

RIM 397.50

RIM 398.00

RIM 398.80

RIM 398.76

RIM 398.62

RIM 398.75

RIM 398.50

RIM 398.00

RIM 398.50

RIM 399.00

RIM 396.00\*\*

RIM 396.00\*

RIM 395.50

RIM 396.15

SEE PLAN

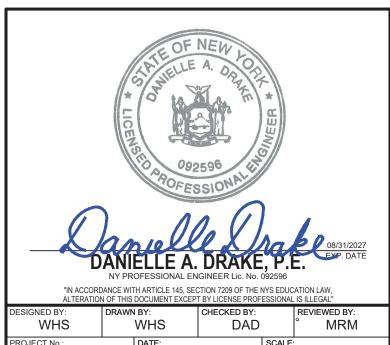
RIM 396.40

RIM 396.30

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engineers

MARK	DATE	DESCRIPTION
1	03/19/2025	BID ADDENDUM No. 1



## **THIELLS ROSEVILLE FIRE DISTRICT**

TRFD 2302

FEBRUARY 2025 AS SHOWN

**NEW 26-100 FIRE HEADQUARTERS** 



65 W RAMAPO RD **GARNERVILLE, NY 10923** 

**CONTRACT C CIVIL CONSTRUCTION** 

FINAL BID DOCUMENT

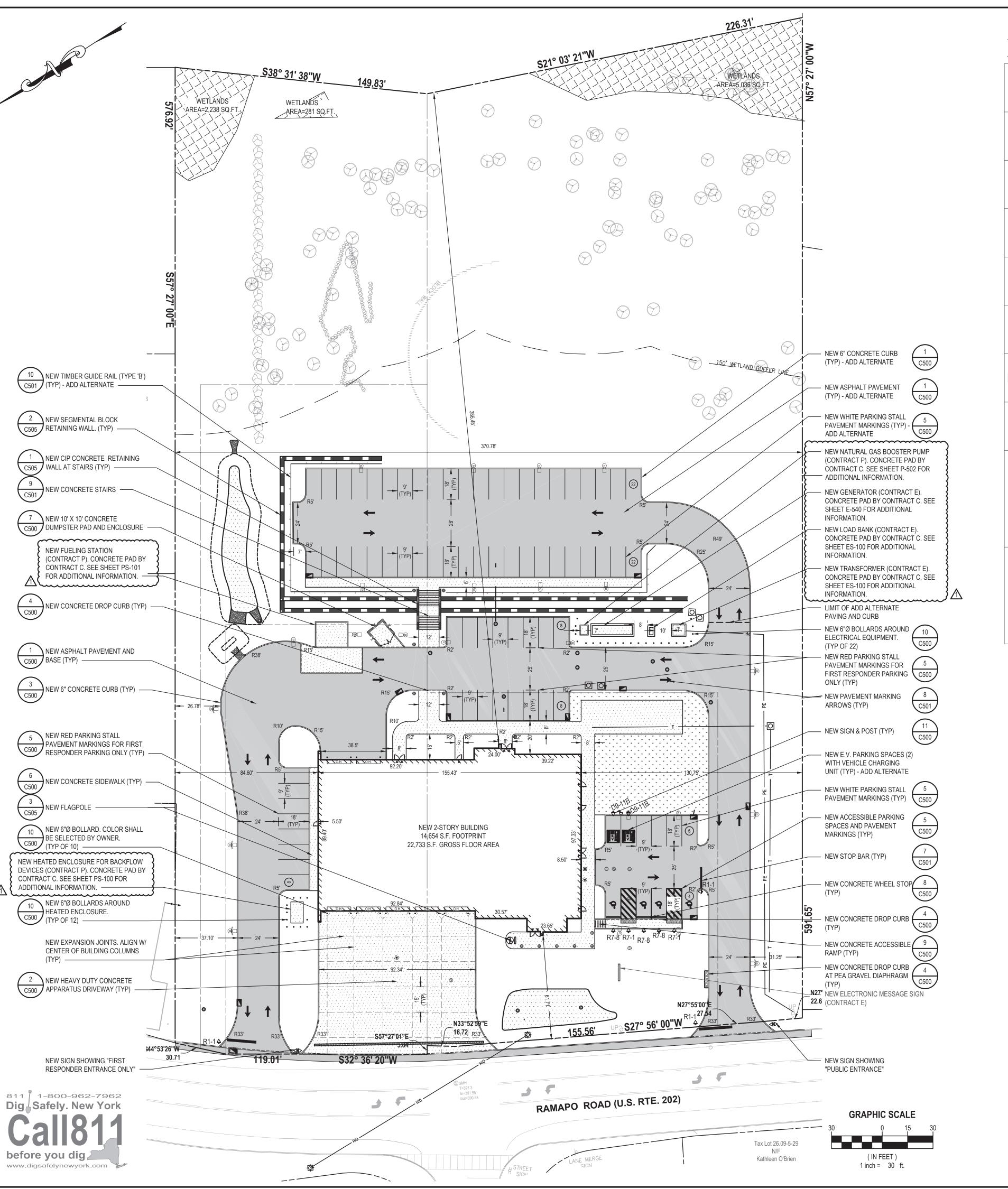
**DRAINAGE & UTILITY PLAN** 

C 110.01

SANITARY STRUCTURE SCHEDULE SEWER PIPE SHALL BE 6"Ø DR 18 PVC UNLESS OTHERWISE NOTED ELEVATION | ELEVATION | DEPTH OUT 397.15 390.90 396.40 (4") 395.90 (6") 8' DIA. GREASE TRAP S2 4' DIA. SEWER ACCESS PORT W/ RETENTION AREA RIM 399.25 395.8 (6") 395.70 (6") 4' DIA. SEWER ACCESS PORT W/ FORMED INVERT RIM 399.20 395.20 (6") 395.10 (6") 4' DIA. SANITARY MANHOLE RIM 399.34 394.70 (6") 394.60 (6") 4' DIA. SANITARY MANHOLE RIM 398.36 393.10 (6") 393.00 (6")

1. SEE PLUMBING PLANS.

550-GAL OIL WATER SEPARATOR



SIGN LEGEND		
DESCRIPTION	SYMBOL	
R1-1	STOP	
(24" x 24")		
R7-8	RESERVED PARKING	
(12x18)		
R7-1	NO PARKING ANY	
(12"x18")	TIME	
D9-11B		
(24"x24")		
(18"x36")	FIRST RESPONDER ENTRANCE ONLY	
	DUDLIG	
(18"x36")	PUBLIC ENTRANCE	

## LEGEND

		LLOLIND	
PTION	<u>SYMBOL</u>	<u>DESCRIPTION</u>	SYMBOL
_		CURB	
-1		RETAINING WALL	
	STOP	CONCRETE DROP CURB	
24")		ASPHALT PAVEMENT	
		CONCRETE PAVEMENT SIDEWALK	
-8	RESERVED PARKING	OUTDOOR WELLNESS AREA	
18)		FLAGGED WETLAND AREA	
		SIGN	$\triangle$
		DOOR	
-1	NO	OVERHEAD DOOR	OH
	PARKING ANY	UTILITY MANHOLE	S D E T U
	TIME	CLEAN OUT	
18")		CATCH BASIN	
		YARD INLET	$\otimes$
		BOLLARD	•
1B		PARKING STALL COUNT	12
	E	LIGHT POLE	Q <b>Q</b>
24")		LIGHTED BOLLARD	•
		TRAFFIC SIGNAL POLE	Ф
		OVERHEAD UTILITIES LINE	
		TIMBER GUIDE RAIL	<u> </u>

SITE DATA

26.09-4-11,12,13,14,15 R15 - MEDIUM DENSITY RESIDENCE DISTRICT / ROUTE 202 FLOATING OVERLAY DISTRICT PROPOSED USE: FIRE STATION

213,918 SF / 4.91 ACRES

### **BULK REQUIREMENTS (ROUTE 202 FLOATING OVERLAY ZONE)**

ITEM	REQUIRED	NEW
MINIMUM LOT AREA	1.00 ACRES	4.91 ACRES
MINIMUM LOT WIDTH	150.00 FT	370.78 FT
MINIMUM LOT FRONTAGE	150.00 FT	377.22 FT
MINIMUM FRONT YARD DEPTH	25.00 FT	61.71 FT
MINIMUM SIDE YARD WIDTH	20.00 FT	84.60 FT
MINIMUM TOTAL SIDE YARD	40.00 FT	215.35 FT
MINIMUM REAR YARD DEPTH	40.00 FT	386.48 FT
MAXIMUM BUILDING HEIGHT	28 FT / 2 STORIES	28 FT / 2 STORIES
MAXIMUM F.A.R.	0.35	0.11
MAXIMUM BUILDING COVERAGE	20%	7%
MAXIMUM TOTAL LOT COVERAGE	60%	36%
MINIMUM LANDSCAPED AREA	15%	64%
MINIMUM BUFFER ZONE WIDTH	20.00 FT	26.78 FT

## PARKING CALCULATIONS

# REQUIRED PARKING: NEW FIRE STATION:

OFFICE & PUBLIC BUILDING: 22,733 SF @ 1 SPACE / 150 SF = 152 SPACES TOTAL REQUIRED PARKING:

FIRST RESPONDER PARKING: 24 SPACES PUBLIC PARKING: 54 SPACES
TOTAL SPACES PROVIDED: 78 SPACES\*

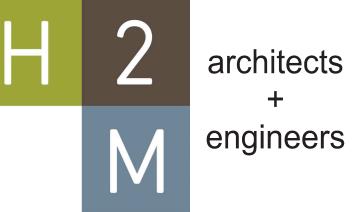
\*INCLUDING 4 ACCESSIBLE SPACES

## **SITE PLAN NOTES:**

- 1. INSPECT THE SITE PRIOR TO SUBMISSION OF BIDS AND MAKE NO ADDITIONAL CLAIMS REGARDING SITE CONDITIONS THEREAFTER.
- 2. NOTIFY THE OWNER AND H2M (TELEPHONE 631-756-8000) AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OF THE WORK. THE SAME NOTICE SHALL BE REQUIRED WHEN RESUMING WORK AFTER ANY STOPPAGE OR DELAY.
- 3. COMPLETE ALL SURVEY AND STAKEOUT AS REQUIRED TO PROPERLY COMPLETE THE WORK.
- 4. PERFORM DAILY CLEANUP OPERATIONS INCLUDING REMOVAL OF DEBRIS AND EXCESS CONSTRUCTION MATERIAL, AND DRIVEWAY/STREET CLEANING TO THE SATISFACTION OF THE
- 5. DURING ALL NON-WORKING HOURS, STORE ALL EQUIPMENT AND MATERIALS WITHIN AN AREA DESIGNATED BY THE OWNER AT THE PROJECT SITE.
- 6. ALL CURB DIMENSIONS SHOWN REFER TO THE FACE OF CURB.
- 7. ALL CONSTRUCTION TO CONFORM WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL CODE REQUIREMENTS.
- 8. COORDINATE CONSTRUCTION ACTIVITIES WITH OWNER TO MINIMIZE INTERRUPTION TO THE OWNER'S
- 9. RESTORE SURROUNDING AREAS DAMAGED OR DISTURBED DURING CONSTRUCTION. RESTORE TO NEW CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.
- 10. RESTORE ALL DISTURBED GRASS AREAS AND ALL AREAS NOT SPECIFICALLY IDENTIFIED FOR OTHER
- 11. REMOVE ALL ASPHALT FROM EXISTING CASTINGS.

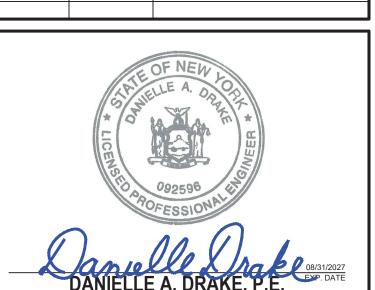
IMPROVEMENTS WITH 4 INCHES OF TOPSOIL AND SEED.

- 12. SEAL ALL JOINTS BETWEEN NEW ASPHALT AND EXISTING ASPHALT WITH HOT ASPHALT CEMENT.
- 13. ARCHITECTURAL AND STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE CIVIL DRAWINGS FOR THE LAYOUT AND CONSTRUCTION OF BUILDING FOUNDATIONS AND OTHER BUILDING ELEMENTS. REPORT ANY DISCREPANCIES BETWEEN CIVIL, ARCHITECTURAL, AND STRUCTURAL DRAWINGS IN WRITING TO THE CIVIL ENGINEER PRIOR TO CONSTRUCTING BUILDING FOUNDATIONS AND/OR OTHER BUILDING ELEMENTS.



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"IN ACCORDANCE WITH ARTICLE 145, SECTION 7209 OF THE NYS EDUCATION LAW

DAD FEBRUARY 2025 AS SHOWN

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FINAL BID DOCUMENT

DIMENSIONAL SITE PLAN

CS 100.01