

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
681	(849E)MG,RS	IROQUOIS	9	1
		ILLINOIS	CONTRACT NO. 66N44	

INDEX OF SHEETS

1. COVER SHEET
2. GENERAL NOTES
3. SUMMARY OF QUANTITIES
4. TYPICALS
5. EXISTING GENERAL SITE PLAN
6. SITE PLAN - DRAINAGE
7. EXISTING SITE PLAN - SURFACE ELEVATION - FOR INFORMATION ONLY
8. EXISTING SITE PLAN - REMOVAL DETAILS
9. PROPOSED SITE PLAN - RESURFACING

STANDARDS

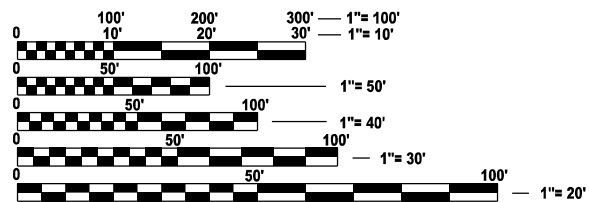
- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 701001-02 OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15' (4.5 m) AWAY
- 701006-05 OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24" (600 MM) FROM PAVEMENT EDGE
- 701201-05 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701901-09 TRAFFIC CONTROL DEVICES

**PROPOSED
HIGHWAY PLANS**

**F.A.P. ROUTE 681 (IL 116)
SECTION (849E)MG,RS
MILLING AND RESURFACING
IROQUOIS COUNTY**

C-93-080-23

PROJECT LOCATION
ILLINOIS DEPARTMENT OF TRANSPORTATION
ASHKUM MAINTENANCE FACILITY
849E IL ROUTE 116
(JUST WEST OF INTERSTATE 57)

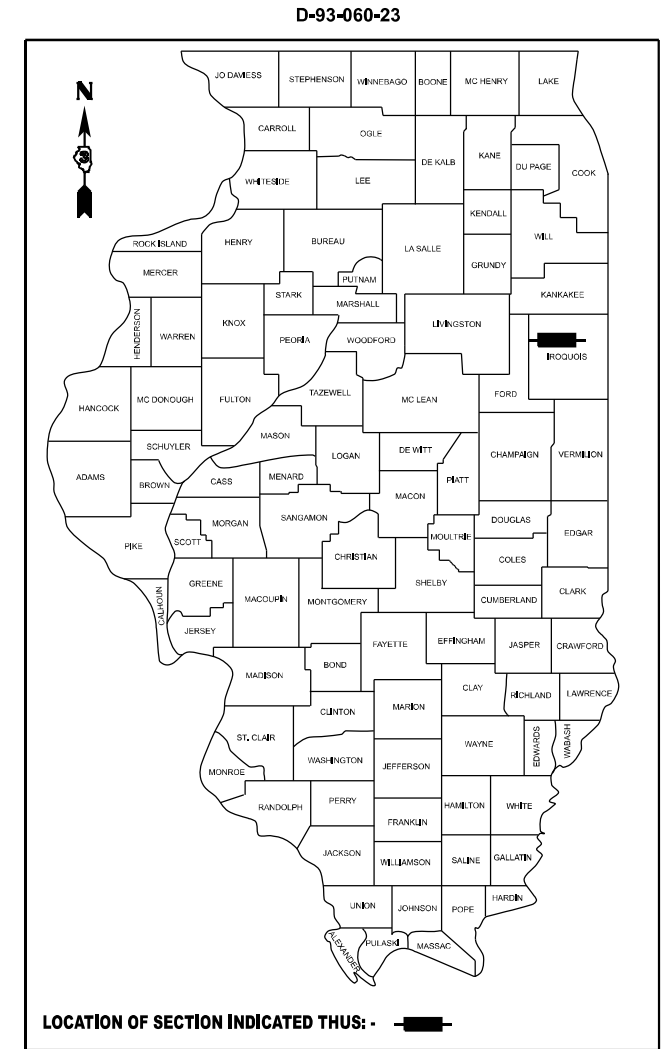
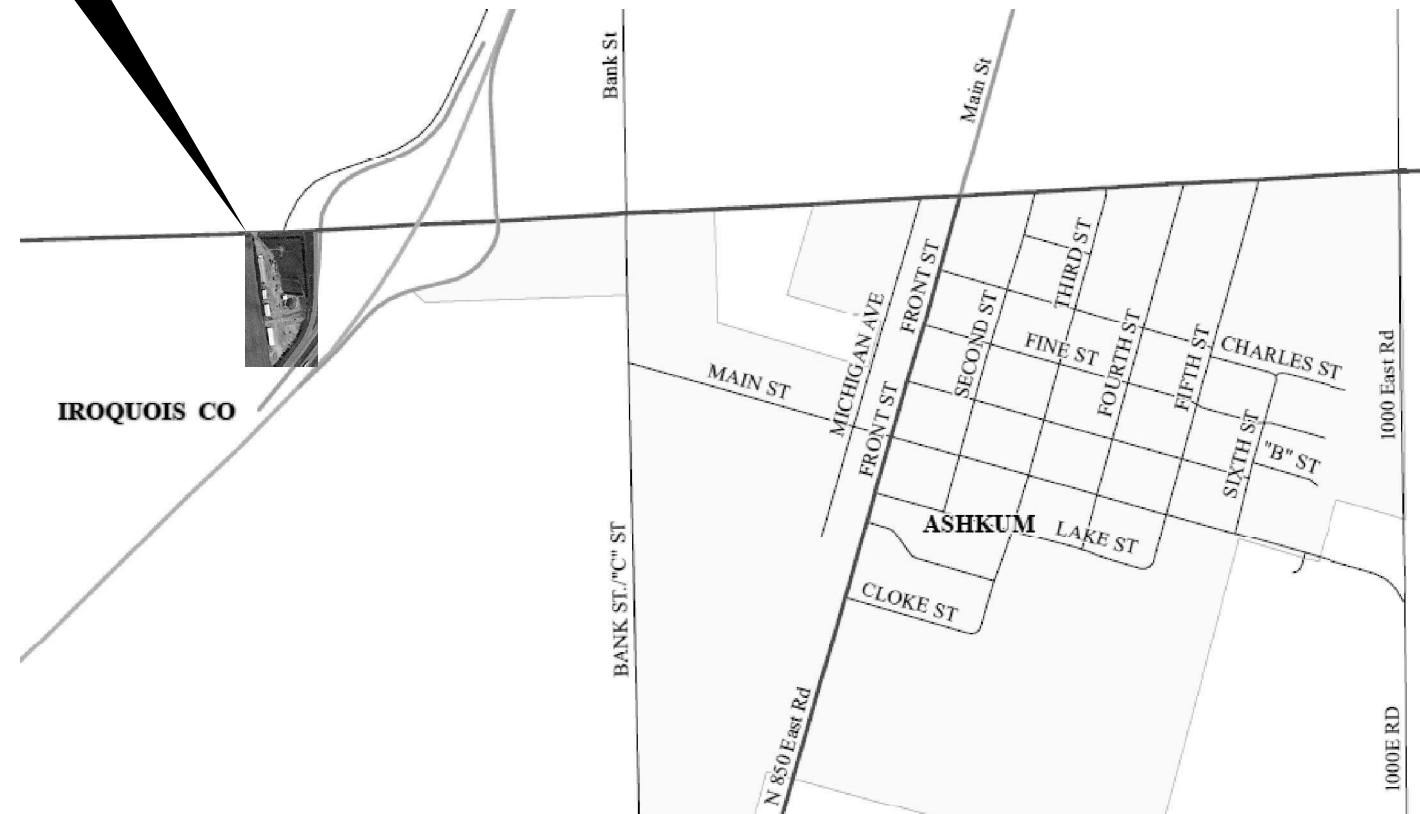


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: YOGESH PATEL P.E.
UNIT CHIEF: RON WOODSHANK
DISTRICT NO. 3 (815) 434-6131

CONTRACT NO. 66N44



LOCATION OF SECTION INDICATED THUS: - [thick black line] -

FUNCTIONAL CLASSIFICATION
MINOR ARTERIAL
F.A.P. ROUTE 681 (IL 116)
2021 ADT = 1350
P.V. 72.2 % S.U. 11 % M.U. 16.7 %

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED February 06, 2024

Stephen M. Trainor REGIONAL ENGINEER

March 22, 2024 *[Signature]*
ENGINEER OF DESIGN AND ENVIRONMENT

March 22, 2024 *[Signature]*
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

GENERAL NOTES

THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO ANY LANE CLOSURE ON ILLINOIS ROUTE 116.

THE HMA SURFACE OF THE MAINTENANCE FACILITY ADJACENT TO STRUCTURES, RAMPS AND ENTRANCES, SHALL BE MADE NEATLY IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLANS. THIS WORK WILL BE INCLUDED IN THE COST OF THE HMA SURFACE.

EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

ALL EXCAVATED MATERIAL, WHICH INCLUDES DIGGING OR GRADING OF ANY SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS, MUST BE INCORPORATED WITHIN THE IDOT RIGHT OF WAY.

ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS / CU YD
HMA RESURFACING	112	LBS / SQ YD / IN

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE PRESENCE OF DEPARTMENT-OWNED UNDERGROUND ELECTRICAL CABLE WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR SHALL REQUEST THE ILLINOIS DEPARTMENT OF TRANSPORTATION IN OTTAWA (815-434-8417) TO LOCATE THE UNDERGROUND FACILITIES, PROVIDING A MINIMUM OF 72 HOURS NOTICE. THE DEPARTMENT IS NOT A MEMBER OF THE JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS (JULIE) SYSTEM.

ALL DAMAGE TO DEPARTMENT OWNED UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AND AT NO EXPENSE TO THE DEPARTMENT. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. SPLICING OF ELECTRIC CABLE WILL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.

COMMITMENTS

A NATIONAL GEODETIC SURVEY MONUMENT (NGS) HAS BEEN IDENTIFIED IN THE SOUTHWEST AREA OF THE MAINTENANCE FACILITY. THE CONTRACTOR SHALL LOCATE THIS MONUMENT PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER METHODS OF PROTECTION OF THIS MONUMENT TO MAINTAIN ITS INTEGRITY AND NO DAMAGE IS CAUSED DUE TO THE CONTRACTORS WORK ACTIVITIES. PROTECTION METHODS SHALL BE APPROVED BY THE ENGINEER PRIOR TO THEIR IMPLEMENTATION.

IN THE EVENT THAT THE NGS MONUMENT IS DAMAGED OR DESTROYED DUE TO THE CONTRACTOR'S CONSTRUCTION OPERATIONS THE CONTRACTOR SHALL SET A NEW MONUMENT ACCORDING THE THE REQUIREMENTS OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA). THE MONUMENT SHALL BE SET AND BLUEBOOKED WITH THE NATIONAL GEODETIC SURVEY. THE NEW MONUMENT MUST MEET THE HORIZONTAL AND VERTICAL ACCURACY OF THE CURRENT MONUMENT. FURNISHING, SETTING OF THE NEW MONUMENT AND CORRIDINATION WITH THE NATIONAL GEODETIC SURVEY SHALL BE AT THE CONTRACTOR'S EXPENSE.

HMA MIXTURE REQUIREMENT TABLE

LOCATION(S):	ENTIRE PROJECT	ENTIRE PROJECT
MIXTURE USE(S):	HMA BINDER	HMA SURFACE
BINDER GRADE (PG):	SBS PG70-28	SBS PG70-28
DESIGN AIR VOIDS:	4.0% @ N70	4.0% @ N70
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL 19.0	IL 9.5
FRICTION AGGREGATE:	N/A	MIXTURE C
MIXTURE WEIGHT:	112.0 LB/SY/IN	112.0 LB/SY/IN
QUALITY MANAGEMENT PROGRAM:	QC/QA	QC/QA
SUBLOT SIZE:	N/A	N/A
DENSITY TEST METHOD:	GROWTH CURVE	GROWTH CURVE

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE
AS BUILT INFORMATION**

SUPERVISING CONSTRUCTION FIELD ENGINEER

RESIDENT ENGINEER / TECHNICIAN

**START & END DATES
OF CONSTRUCTION:**

INSPECTORS:

MODEL: D:\inf\... FILE NAME: ...

USER NAME = ronald.woodshank	DESIGNED - RW	REVISED -
DRAWN - RW	CHECKED - YP	REVISED -
PLOT SCALE = 100' / IN.	DATE - 7/21/2023	REVISED -
PLOT DATE = 1/11/2024		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
681	(849E)MG,RS	IROQUOIS	9	2
			CONTRACT NO. 66N44	
		ILLINOIS	FED. AID PROJECT	

CONSTRUCTION CODE	
CAPITOL DEVELOPMENT BOARD	
100% STATE	
ROADWAY	
0005	
URBAN	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
20200100	EARTH EXCAVATION	CU YD	433	433
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	36	36
35101100	AGGREGATE BASE COURSE, TYPE A 12"	SQ YD	976	976
35800200	AGGREGATE BASE REPAIR	TON	25	25
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	4837	4837
40600906	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE (HAND METHOD), N70	TON	10	10
40600990	TEMPORARY RAMP	SQ YD	895	895
40603235	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	3010	3010
40604152	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	1806	1806
67100100	MOBILIZATION	L SUM	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1
X4400196	HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL)	SQ YD	14399	14399
Z0003300	BASE COURSE REMOVAL (SPECIAL)	SQ YD	6018	6018

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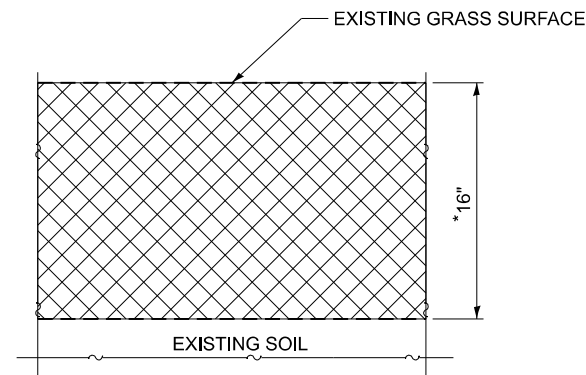
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PLOT SCALE = 100' / IN.	DATE - 7/21/2023	REVISED -
PLOT DATE = 1/12/2024		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

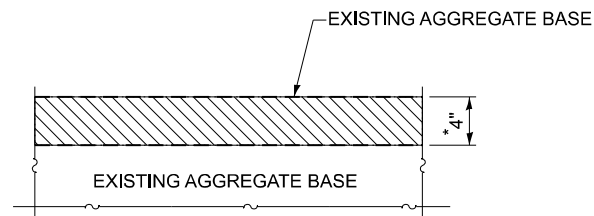
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681	(849E)MG,RS	IROQUOIS	9	3
CONTRACT NO. 66N44				
ILLINOIS FED. AID PROJECT				



TYPICAL SECTION #1

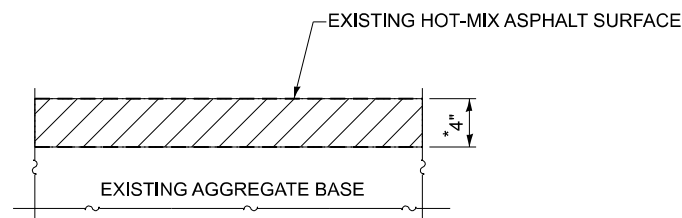
GRASS AREA

*MINIMUM REMOVAL



TYPICAL SECTION #2

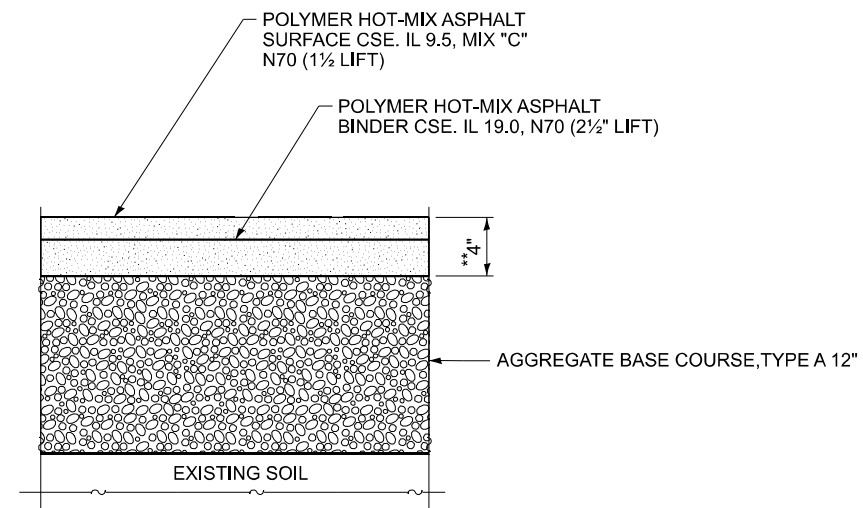
GRAVEL AREA



TYPICAL SECTION #3

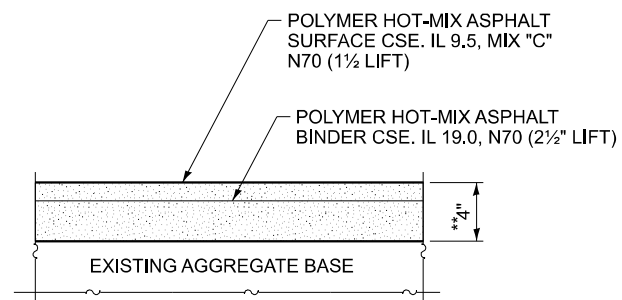
HMA SURFACE AREA

**TYPICAL SECTIONS
EXISTING**



TYPICAL SECTION #1


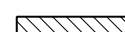
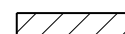
**MINIMUM OVERLAY



TYPICAL SECTION #2 AND #3

**TYPICAL SECTIONS
PROPOSED**

LEGEND

-  EARTH EXCAVATION
-  BASE CSE. REMOVAL (SPECIAL)
-  HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL

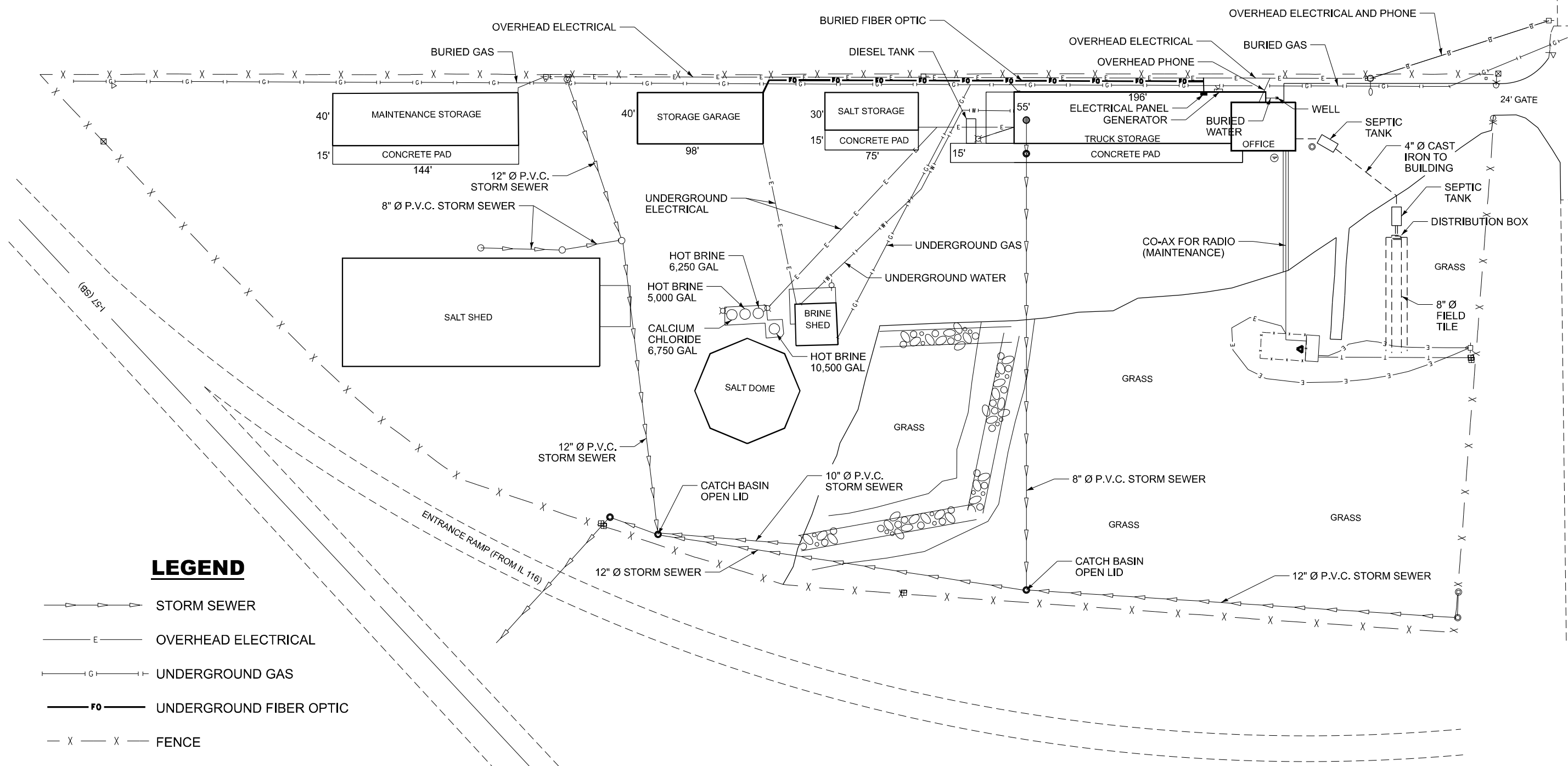
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DRAWN - RW	CHECKED - YP	REVISED -
PLOT SCALE = 100' / IN.	DATE - 7/21/2023	REVISED -
PLOT DATE = 1/11/2024		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS	
SCALE:	SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
681	(849E)MG,RS	IROQUOIS	9	4
CONTRACT NO. 66N44				
ILLINOIS FED. AID PROJECT				



LEGEND

- STORM SEWER
- OVERHEAD ELECTRICAL
- UNDERGROUND GAS
- UNDERGROUND FIBER OPTIC
- FENCE
- POWER POLE
- RIGHT OF WAY MARKER
- RIPRAP SWALE

MODEL: D:\final...
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 PROJECT: ...
 DATE: 2/13/2024

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	DRAWN - RW	REVISED -
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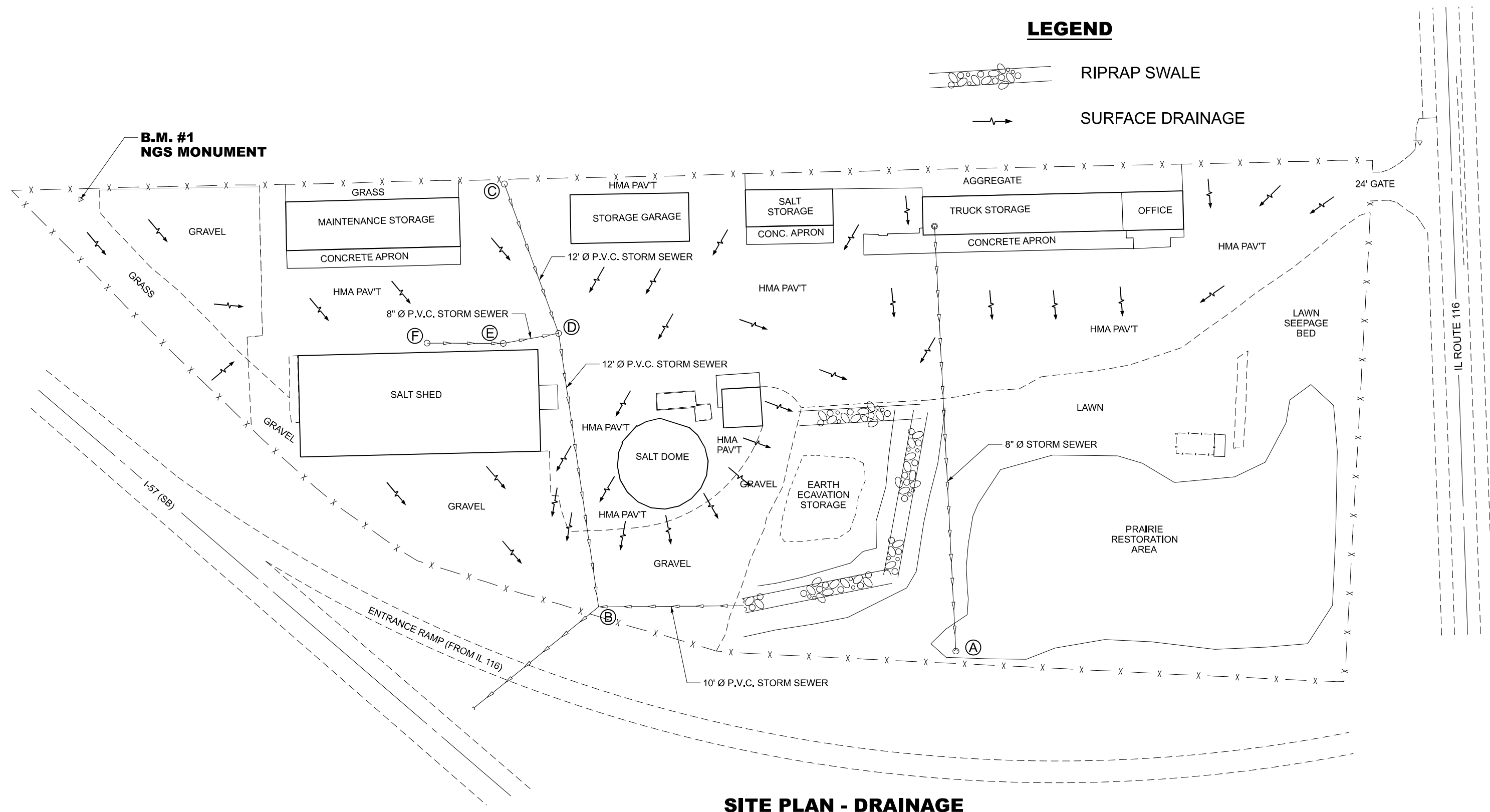
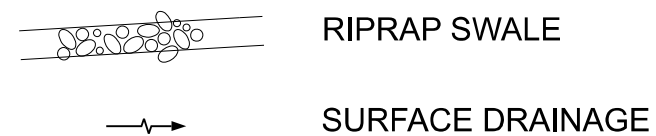
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING GENERAL SITE PLAN
ASHKUM MAINTENANCE FACILITY

F.A.P. RTE. 681	SECTION (B49E)MG,RS	COUNTY IROQUOIS	TOTAL SHEETS 9	SHEET NO. 5
CONTRACT NO. 66N44				
SCALE:		SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT



LEGEND



SITE PLAN - DRAINAGE

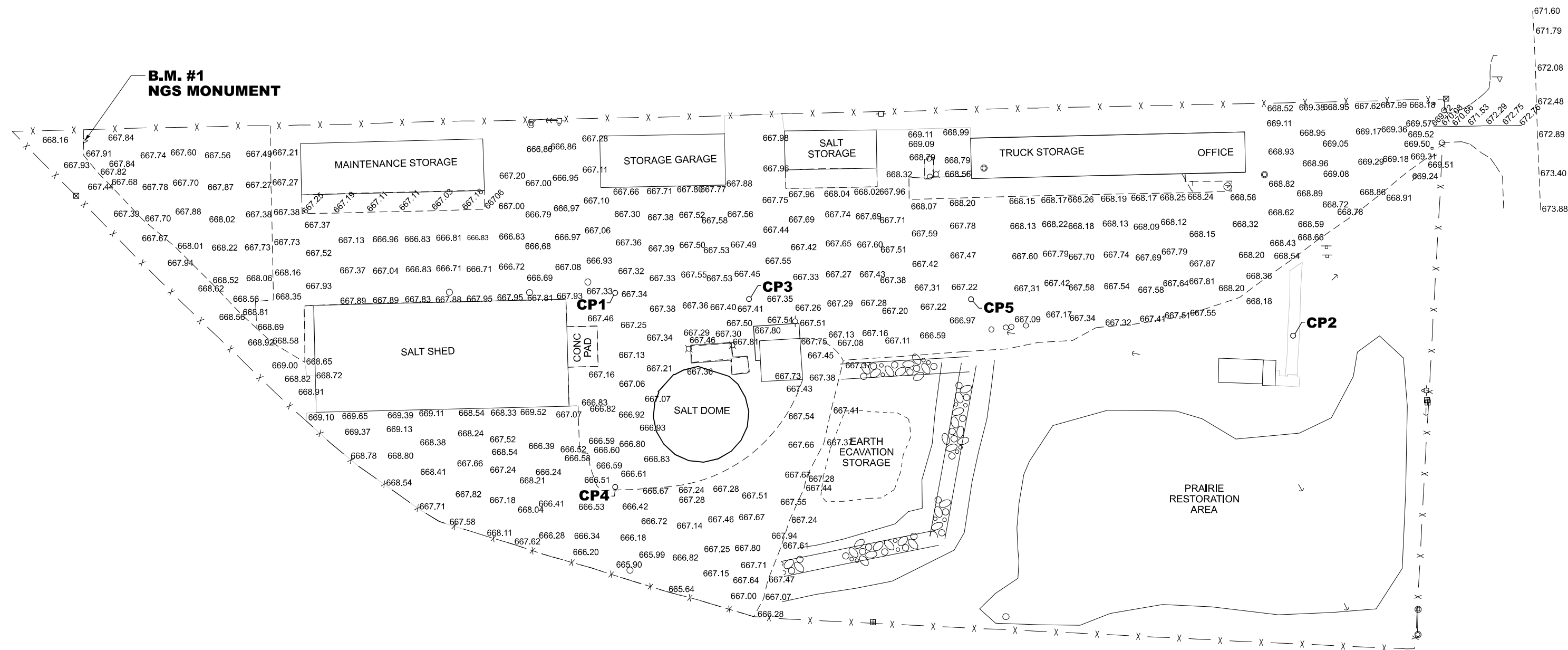
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 PROJECT: ...
 DATE: 1/12/2024

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DRAWN - RW	REVISIONS -	
PLOT SCALE = 100' / in.	CHECKED - YP	REVISED -
PLOT DATE = 1/12/2024	DATE - 7/21/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:		SHEET 1	OF 1	SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
681	(849E)MG,RS	IROQUOIS	9	6
CONTRACT NO. 66N44				
ILLINOIS FED. AID PROJECT				



SITE PLAN

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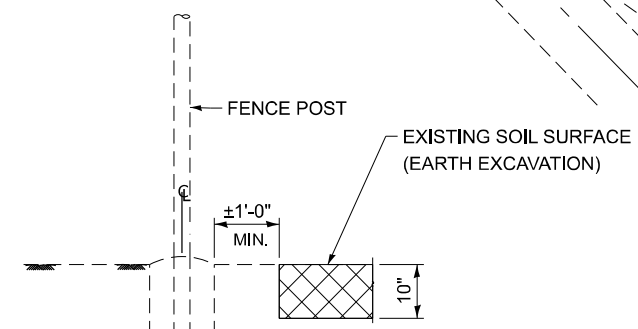
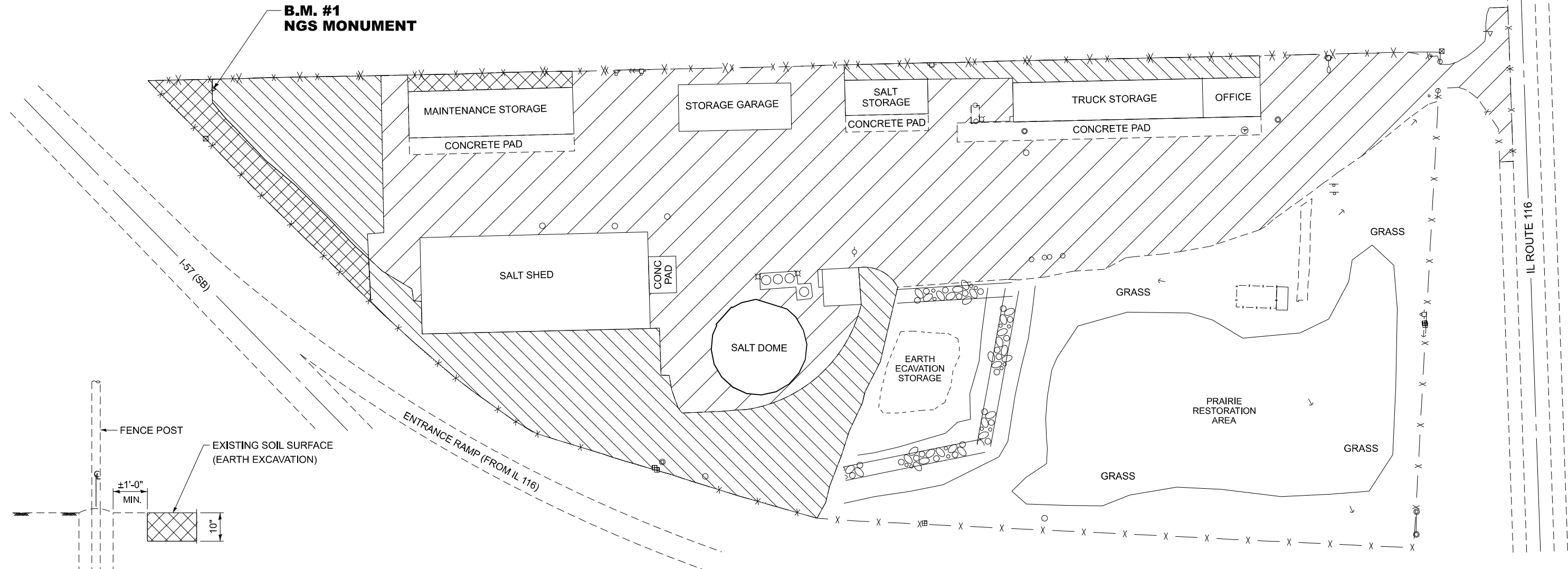
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PLOT SCALE = 100' / in.	DATE - 7/21/2023	REVISED -
PLOT DATE = 1/12/2024		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

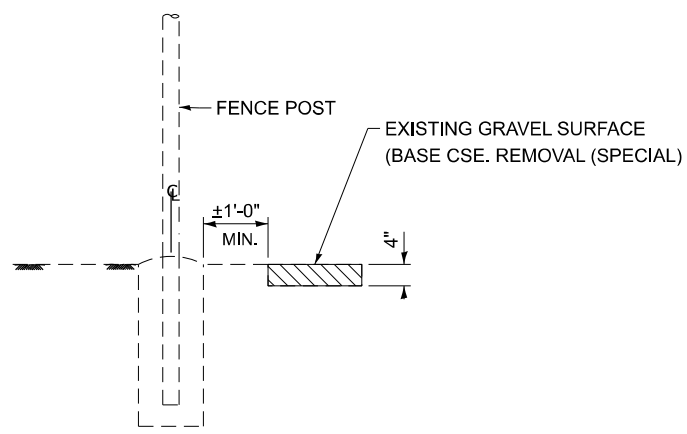
**SITE PLAN
SURFACE ELEVATIONS - FOR INFORMATION ONLY**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

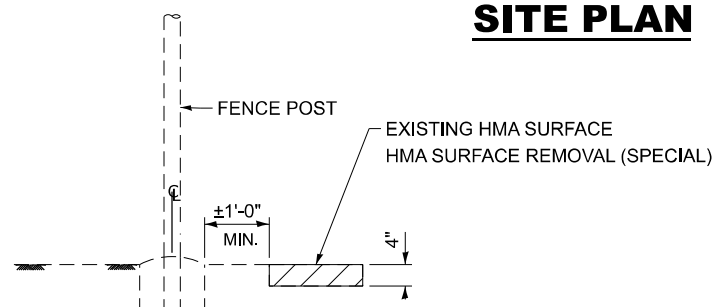
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
681	(849E)MG,RS	IROQUOIS	9	7
CONTRACT NO. 66N44				
ILLINOIS FED. AID PROJECT				



**FENCE LINE
ADJACENT TO GRASS**



**FENCE LINE
ADJACENT TO GRAVEL**



**FENCE LINE
ADJACENT TO HMA**

SITE PLAN

- LEGEND**
- EARTH EXCAVATION
 - BASE CSE. REMOVAL (SPECIAL)
 - HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL

MODEL: D:\initial...
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 PROJECT: ...
 DATE: 1/12/2024

USER NAME = ronald.woodshank	DESIGNED - RW	REVISED -
	DRAWN - RW	REVISED -
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PLOT DATE = 1/12/2024	DATE - 7/21/2023	REVISED -

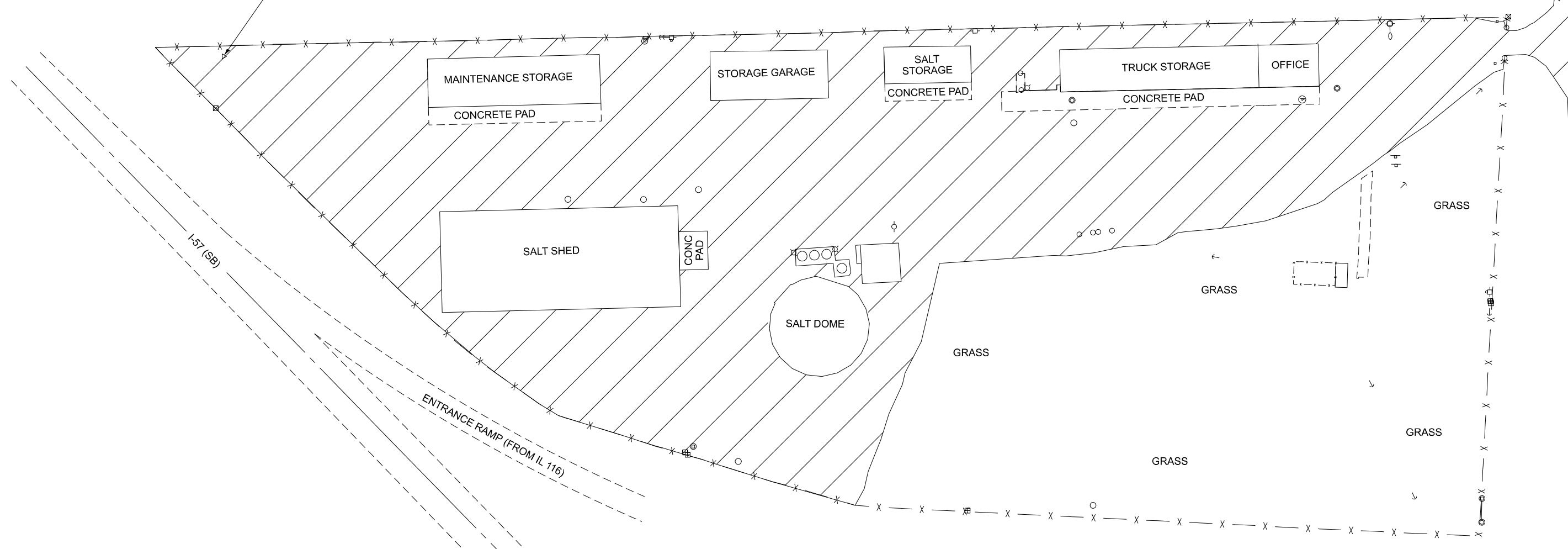
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SITE PLAN REMOVAL DETAILS	
SCALE:	SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
681	(849E)MG,RS	IROQUOIS	9	8
CONTRACT NO. 66N44				
ILLINOIS FED. AID PROJECT				



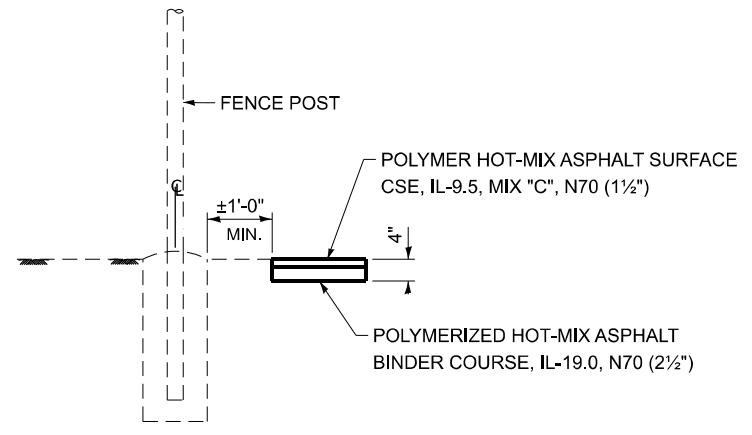
**B.M. #1
NGS MONUMENT**



SITE PLAN

LEGEND

- POLYMERIZED HOT-MIX ASPHALT BINDER CSE. IL -19.0, N70
- POLYMERIZED HOT-MIX ASPHALT SURFACE CSE. IL-9.5, MIX "C", N70



**FENCE LINE
ADJACENT TO HMA**

MODEL: D:\inf\...
 FILE NAME: ...

USER NAME = ronald.woodshank	DESIGNED - RW	REVISED -
	DRAWN - RW	REVISED -
PLOT SCALE = 100' / in.	CHECKED - YP	REVISED -
PLOT DATE = 1/12/2024	DATE - 7/21/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SITE PLAN RESURFACNG			
SCALE:	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
681	(849E)MG,RS	IROQUOIS	9	9
CONTRACT NO. 66N44				
		ILLINOIS	FED. AID PROJECT	