

CITY OF AURORA AURORA, ILLINOIS

CONSTRUCTION PLANS FOR AURORA MUNICIPAL AIRPORT REHABILITATE AUTO PARKING LOTS AND ENTRANCE ROAD

ILLINOIS PROJECT: ARR-4544

SEPTEMBER 22, 2023



D. Kyle Peabody

LICENSE EXPIRATION
 DATE: 11/30/2023
 DATE SIGNED: 09/29/2023

811 Know what's below.
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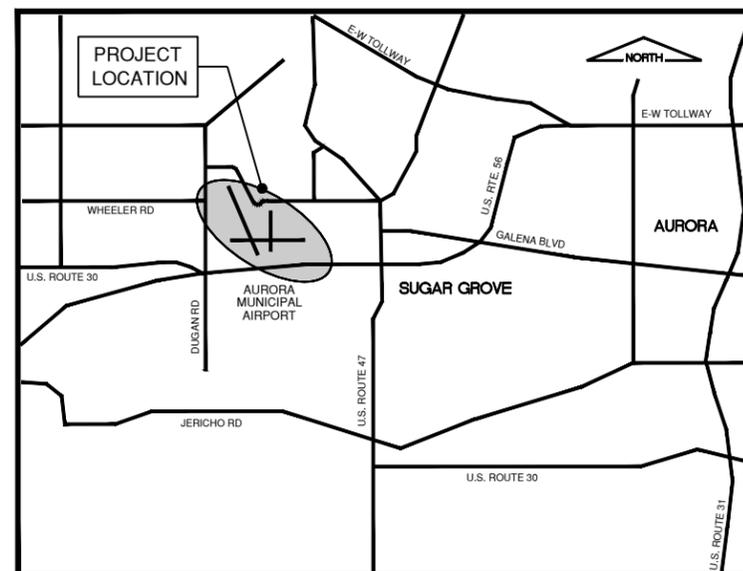
J.U.L.I.E.
 JOINT UTILITY LOCATING
 INFORMATION FOR EXCAVATORS
 www.illinois1call.com

THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE. SUFFICIENT OR COMPLETE IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ACTUAL LOCATIONS OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES OF HIS OPERATIONAL PLANS. OBTAIN FROM RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION AND THE ONE-CALL NOTICE SYSTEM. THE ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH UTILITY OR SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

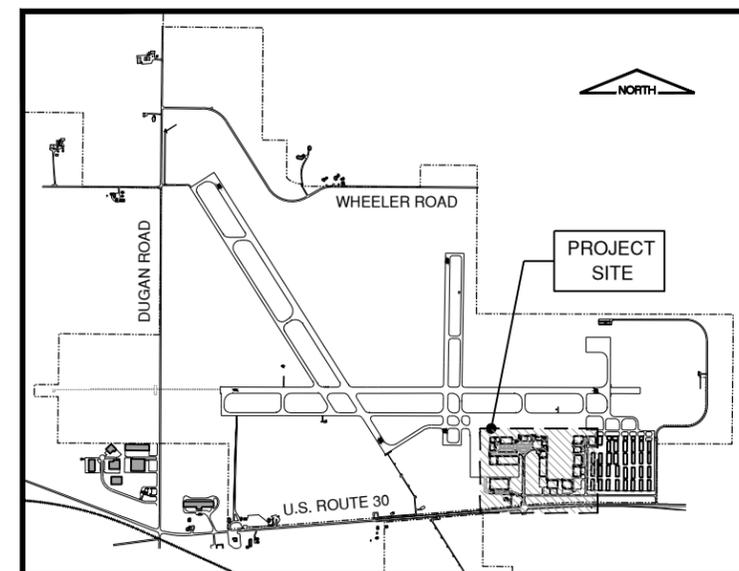
CALL J.U.L.I.E BEFORE EXCAVATING
 AT 811

AURORA MUNICIPAL AIRPORT

SECTION: 17 AND 18 COUNTY: KANE
 RANGE: 7 EAST U.S. ROUTE 30
 TOWNSHIP: 38 NORTH SUGAR GROVE TOWNSHIP



LOCATION MAP



SITE PLAN

AURORA ILLINOIS CITY OF LIGHTS
 AURORA MUNICIPAL AIRPORT

CITY OF AURORA, ILLINOIS

APPROVED BY *Richard C. Irvin* MAYOR
 RICHARD C. IRVIN
 DATE SEPTEMBER 27 2023

APPROVED BY *Stephen K. Andras* AIRPORT MANAGER
 STEPHEN K. ANDRAS, P.E.
 DATE SEPT 27 2023

CMT 21001658.00
 CRAWFORD MURPHY & TILLY, INC.
 CONSULTING ENGINEERS

SUBMITTED BY *D. Kyle Peabody*
 D. KYLE PEABODY, P.E.
 DATE 09/29/2023



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SUMMARY OF QUANTITIES

BASE BID				
SUMMARY OF QUANTITIES				
ITEM	DESCRIPTION	UNIT	ESTIMATED QUANTITY	RECORD QUANTITY
AR150510	ENGINEER'S FIELD OFFICE	L SUM	1	
AR150520	MOBILIZATION	L SUM	1	
AR152511	SUBGRADE REPAIR	SQ YD	365	
AR156520	INLET PROTECTION	EACH	22	
AR162220	CLASS E MANUAL SLIDE GATE - 20'	EACH	1	
AR162506	CLASS E FENCE 6'	FOOT	775	
AR162605	CLASS E GATE - 5'	EACH	4	
AR162606	CLASS E GATE - 6'	EACH	2	
AR800141	CLASS E GATE - 7'	EACH	2	
AR162614	CLASS E GATE - 14'	EACH	1	
AR162624	CLASS E GATE - 24'	EACH	4	
AR800142	CLASS E GATE - 27'	EACH	1	
AR162900	REMOVE CLASS E FENCE	FOOT	445	
AR162905	REMOVE GATE	EACH	8	
AR162908	REMOVE ELECTRIC GATE	EACH	5	
AR201661	CLEAN AND SEAL BITUMINOUS CRACKS	FOOT	805	
AR201663	SAND MIX CRACK REPAIR	FOOT	500	
AR208910	REMOVE & REPLACE AGGREGATE BASE	SQ YD	75	
AR401610	BITUMINOUS SURFACE COURSE	TON	1,975	
AR401650	BITUMINOUS PAVEMENT MILLING	SQ YD	17,400	
AR401915	REM & REP BIT PAVEMENT - TYPE A	SQ YD	460	
AR401916	REM & REP BIT PAVEMENT - TYPE B	SQ YD	1,530	
AR501605	5" PCC SIDEWALK	SQ FT	3,150	
AR501690	PCC SIDEWALK REMOVAL	SQ FT	3,110	
AR603510	BITUMINOUS TACK COAT	GALLON	2,635	
AR620520	PAVEMENT MARKING-WATERBORNE	SQ FT	8,820	
AR751001	TRENCH DRAIN	FOOT	36	
AR751980	RECONSTRUCT INLET	EACH	1	
AR754210	CONCRETE CURB	FOOT	160	
AR754410	COMB CONCRETE CURB & GUTTER	FOOT	420	
AR754900	REMOVE CONCRETE CURB	FOOT	160	
AR754904	REMOVE COMB CURB & GUTTER	FOOT	460	
AR800002	CLASS E FENCE 6', IN PAVEMENT	FOOT	355	
AR800106	REMOVE CLASS E FENCE, IN PAVEMENT	FOOT	430	
AR800079	DETECTABLE WARNING SURFACE	SQ FT	110	
AR800118	REMOVE TRENCH DRAIN	FOOT	36	
AR800186	ELECTRIC GATE OPERATOR	EACH	6	
AR800091	RAISED REFLECTIVE PAVEMENT MARKER	EACH	28	
AR910915	REMOVE ROADWAY SIGN	EACH	4	
AR910200	ROADWAY SIGN	EACH	12	

ADDITIVE ALTERNATE NO. 1 - REHABILITATE AUTO PARKING LOTS AND ENTRANCE ROAD (HANGAR A - TYPE B PATCHING)				
SUMMARY OF QUANTITIES				
ITEM	DESCRIPTION	UNIT	ESTIMATED QUANTITY	RECORD QUANTITY
AS152511	SUBGRADE REPAIR	SQ YD	105	
AS401610	BITUMINOUS SURFACE COURSE	TON	65	
AS401916	REM & REP BIT PAVEMENT - TYPE B	SQ YD	525	
AS603510	BITUMINOUS TACK COAT	GALLON	75	

ADDITIVE ALTERNATE NO. 2 - REHABILITATE AUTO PARKING LOTS AND ENTRANCE ROAD (HANGAR A)				
SUMMARY OF QUANTITIES				
ITEM	DESCRIPTION	UNIT	ESTIMATED QUANTITY	RECORD QUANTITY
AT152410	UNCLASSIFIED EXCAVATION	CU YD	25	
AT152511	SUBGRADE REPAIR	SQ YD	80	
AT156520	INLET PROTECTION	EACH	7	
AT156531	EROSION CONTROL BLANKET	SQ YD	360	
AT208910	REMOVE & REPLACE AGGREGATE BASE	SQ YD	15	
AT401610	BITUMINOUS SURFACE COURSE	TON	425	
AT401650	BITUMINOUS PAVEMENT MILLING	SQ YD	2910	
AT401900	REMOVE BITUMINOUS PAVEMENT	SQ YD	800	
AT401916	REM & REP BIT PAVEMENT - TYPE B	SQ YD	15	
AT403610	BITUMINOUS BASE COURSE	TON	140	
AT501605	5" PCC SIDEWALK	SQ FT	330	
AT501690	PCC SIDEWALK REMOVAL	SQ FT	330	
AT602510	BITUMINOUS PRIME COAT	GALLON	240	
AT603510	BITUMINOUS TACK COAT	GALLON	560	
AT620520	PAVEMENT MARKING-WATERBORNE	SQ FT	735	
AT754410	COMB CONCRETE CURB & GUTTER	FOOT	100	
AT754904	REMOVE COMB CURB & GUTTER	FOOT	100	
AT800079	DETECTABLE WARNING SURFACE	SQ FT	40	
AT910915	REMOVE ROADWAY SIGN	EACH	2	
AT910200	ROADWAY SIGN	EACH	2	

ADDITIVE ALTERNATE NO. 3 - REHABILITATE AUTO PARKING LOTS AND ENTRANCE ROAD (EXPANDED AREA)				
SUMMARY OF QUANTITIES				
ITEM	DESCRIPTION	UNIT	ESTIMATED QUANTITY	RECORD QUANTITY
AU152511	SUBGRADE REPAIR	SQ YD	50	
AU156520	INLET PROTECTION	EACH	3	
AU401610	BITUMINOUS SURFACE COURSE	TON	10	
AU401916	REM & REP BIT PAVEMENT - TYPE B	SQ YD	50	
AU501605	5" PCC SIDEWALK	SQ FT	30	
AU501690	PCC SIDEWALK REMOVAL	SQ FT	30	
AU603510	BITUMINOUS TACK COAT	GALLON	10	
AU608710	EMULSIFIED ASPHALT SEAL COAT	SQ YD	2600	
AU620520	PAVEMENT MARKING-WATERBORNE	SQ FT	1650	
AU800079	DETECTABLE WARNING SURFACE	SQ FT	20	
AU910915	REMOVE ROADWAY SIGN	EACH	3	
AU910200	ROADWAY SIGN	EACH	5	

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FINAL

REHABILITATE AUTO PARKING LOTS AND ENTRANCE ROAD

SEPTEMBER 22, 2023

OWNER



MARK	DATE	DESCRIPTION

IL PROJECT NO:	ARR-4544
CMT PROJECT NO:	21001658-00
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**INDEX TO SHEETS/
SUMMARY OF
QUANTITIES**



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SITE PLAN AND PROJECT CONTROL PLAN

NOTES

1. AT ALL TIMES THE CONTRACTOR SHALL PERFORM ALL MAINTENANCE WORK NECESSARY TO KEEP EACH NEWLY CONSTRUCTED PAVEMENT SECTION LAYER IN A SATISFACTORY CONDITION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE DONE BY HIS HAULING AND CONSTRUCTION EQUIPMENT. ANY WORK NECESSARY TO CORRECT DAMAGED WORK AND EXISTING PAVEMENT SHALL BE PERFORMED BY THE CONTRACTOR AND AT THE EXPENSE OF THE CONTRACTOR.
3. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO PROTECT THE PAVEMENT STRUCTURE AND SUBGRADE FROM DAMAGE, WHICH MAY INCLUDE BUT NOT BE LIMITED TO USE OF TRACKED EQUIPMENT, SHORT HAUL TRUCKS OR TRACKED PAVERS, AT NO ADDITIONAL COST TO THE CONTRACT.
4. THE CONTRACTOR WILL BE REQUIRED TO FURNISH AND PLACE CONSTRUCTION LAYOUT STAKES FOR THIS PROJECT. CONSTRUCTION LAYOUT SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE PAY ITEM FOR WHICH THE LAYOUT IS REQUIRED.
5. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND/OR TEMPORARY EASEMENTS FOR THE PUBLIC ACCESS ROAD(S) SHOWN AND SHALL COMPLY WITH ALL REQUIREMENTS, LOAD RESTRICTIONS AND TRAFFIC CONTROL SIGNAGE REQUIRED BY THE CITY, COUNTY, TOWNSHIP OR I.D.O.T. COST INCIDENTAL TO THE CONTRACT.
6. CONTRACTOR SHALL BE REQUIRED TO OBTAIN AN **IDOT HIGHWAY PERMIT** FOR WORK WITHIN THE RIGHT-OF-WAY OF U.S. ROUTE 30. ALL FEES AND CHARGES INCURRED BY THE CONTRACTOR TO OBTAIN THE NECESSARY PERMITS/PERMISSIONS TO INSTALL AND PERFORM THE WORK SHALL BE NOT MEASURED SEPARATELY FOR PAYMENT BUT SHALL BE **INCIDENTAL TO CONTRACT (BASE BID WORK)**.

VERTICAL CONTROL		
POINT	DESCRIPTION	ELEVATION
BM-1	N.W. CORNER FLAG POLE FOUNDATION	703.61

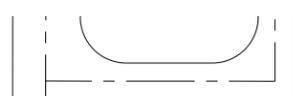
VERTICAL CONTROL COORDINATES EXPRESSED IN NAD88

HORIZONTAL CONTROL			
POINT	DESCRIPTION	NORTHING	EASTING
CP-1	IRON ROD	1857999.573	948000.314
CP-11	X CUT ON APRON	1858067.495	948672.019
CP-13	PK NAIL CENTER OF PARKING LOT	1857964.057	948840.165

HORIZONTAL CONTROL COORDINATES EXPRESSED IN NAD83

ALIGNMENT DATA

POINT	ALIGNMENT	STATION	NORTHING/EASTING	POINT	STATION	NORTHING/EASTING
1	MAIN AUTO PARKING (BASELINE A)	5+42.63	1857951.560 947385.054	2	13+97.05	1857961.174 948239.417
3	VETERANS MEMORIAL PARKWAY (BASELINE B)	109+84.78	1857956.717 947842.393	4	100+06.71	1856978.740 947856.324
5	HANGAR A PARKING LOT (BASELINE C)	110+32.48	1857483.376 947210.353	6	119+06.34	1857190.860 947853.301
7	AIRPORT PERIMETER ROAD (BASELINE E)	0+00.00	1857205.164 948894.960	8	9+83.38	1858188.446 948881.040

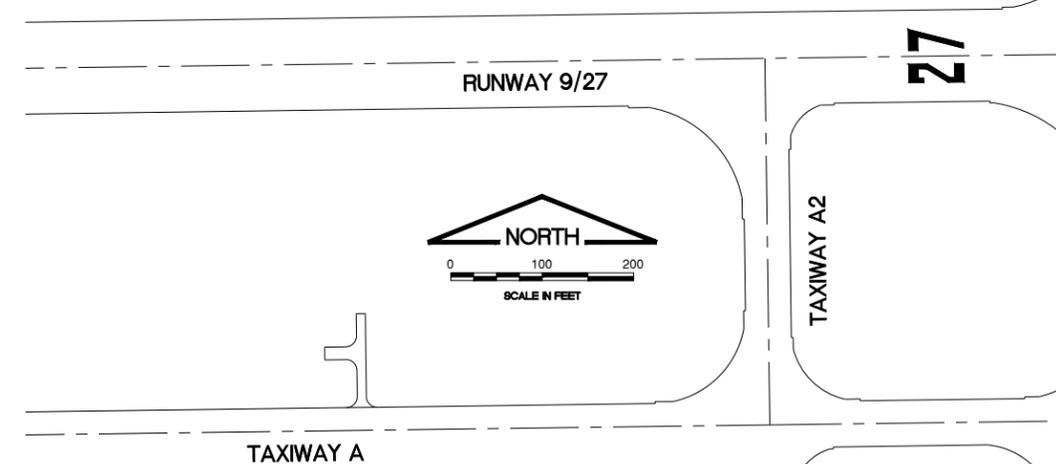
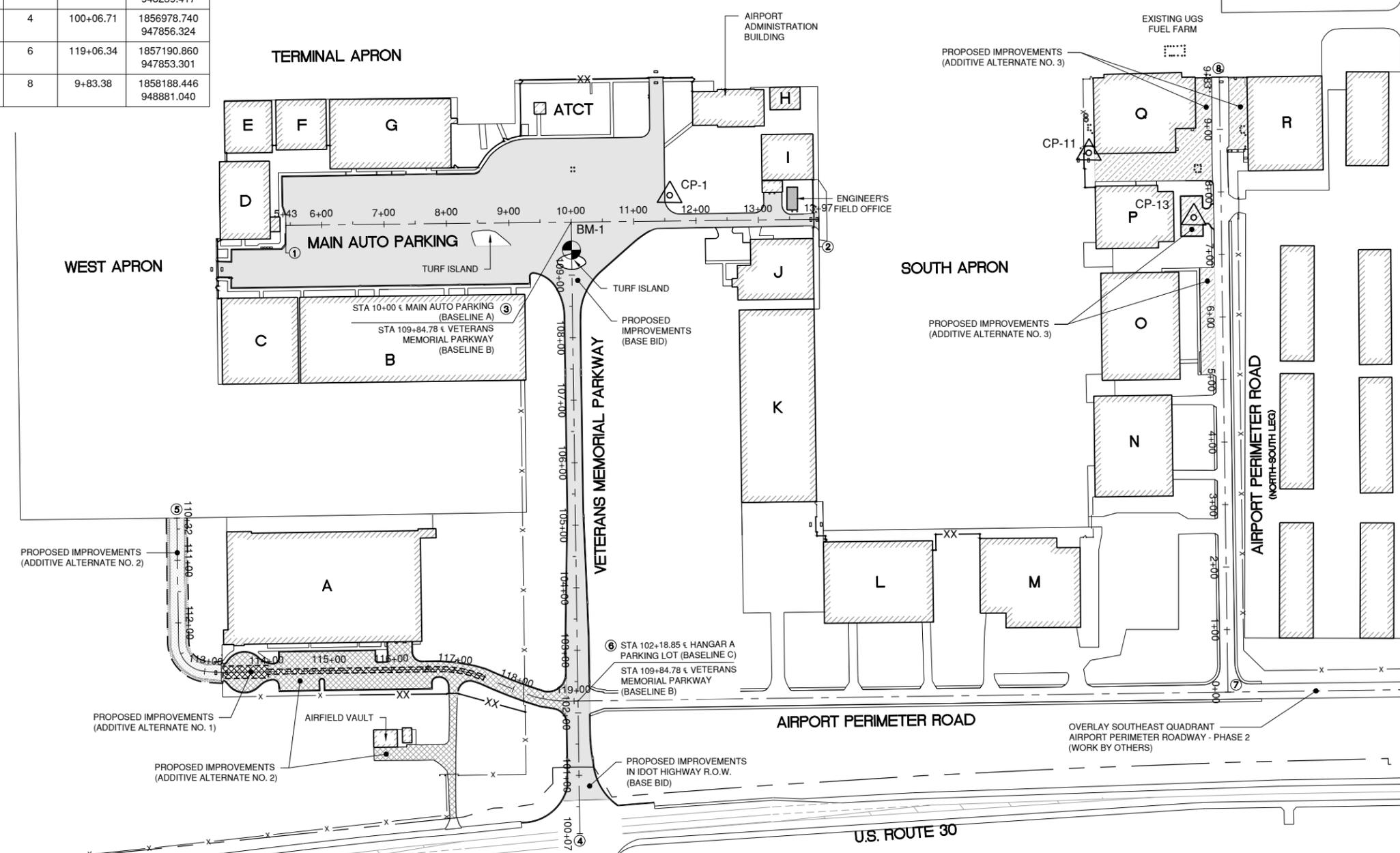


TAXIWAY C5

LEGEND

- PROPOSED IMPROVEMENTS (BASE BID)
- PROPOSED IMPROVEMENTS (ADDITIVE ALTERNATE NO. 1)
- PROPOSED IMPROVEMENTS (ADDITIVE ALTERNATE NO. 2)
- PROPOSED IMPROVEMENTS (ADDITIVE ALTERNATE NO. 2)
- PROPOSED IMPROVEMENTS (ADDITIVE ALTERNATE NO. 3)
- EXISTING BUILDING
- EXISTING FENCE
- AIRPORT PROPERTY LINE
- BENCHMARK
- HANGAR DESIGNATION
- CONTROL POINT

THE LOCATION OF UNDERGROUND UTILITIES AS INDICATED ON THE PLANS HAS BEEN OBTAINED FROM EXISTING RECORDS. NEITHER THE OWNER NOR THE ARCHITECT/ENGINEER ASSUMES ANY RESPONSIBILITY WHATSOEVER WITH RESPECT TO THE ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE LOCATIONS, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL, RELOCATION OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE ARCHITECT/ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.



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REHABILITATE AUTO PARKING LOTS AND ENTRANCE ROAD

SEPTEMBER 22, 2023



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SEQUENCE OF CONSTRUCTION - 1

WORK AREA 1 SUGGESTED SEQUENCE OF CONSTRUCTION

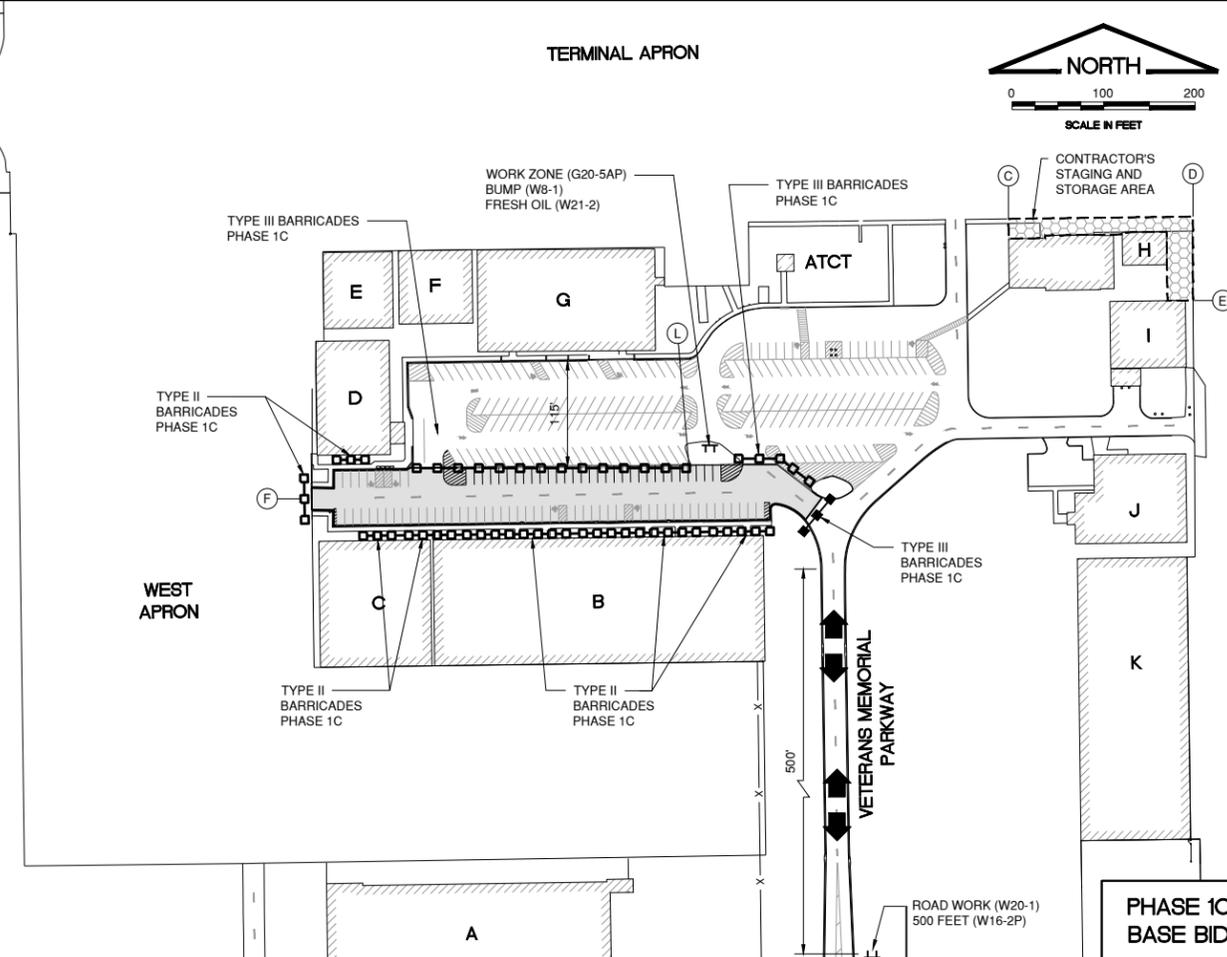
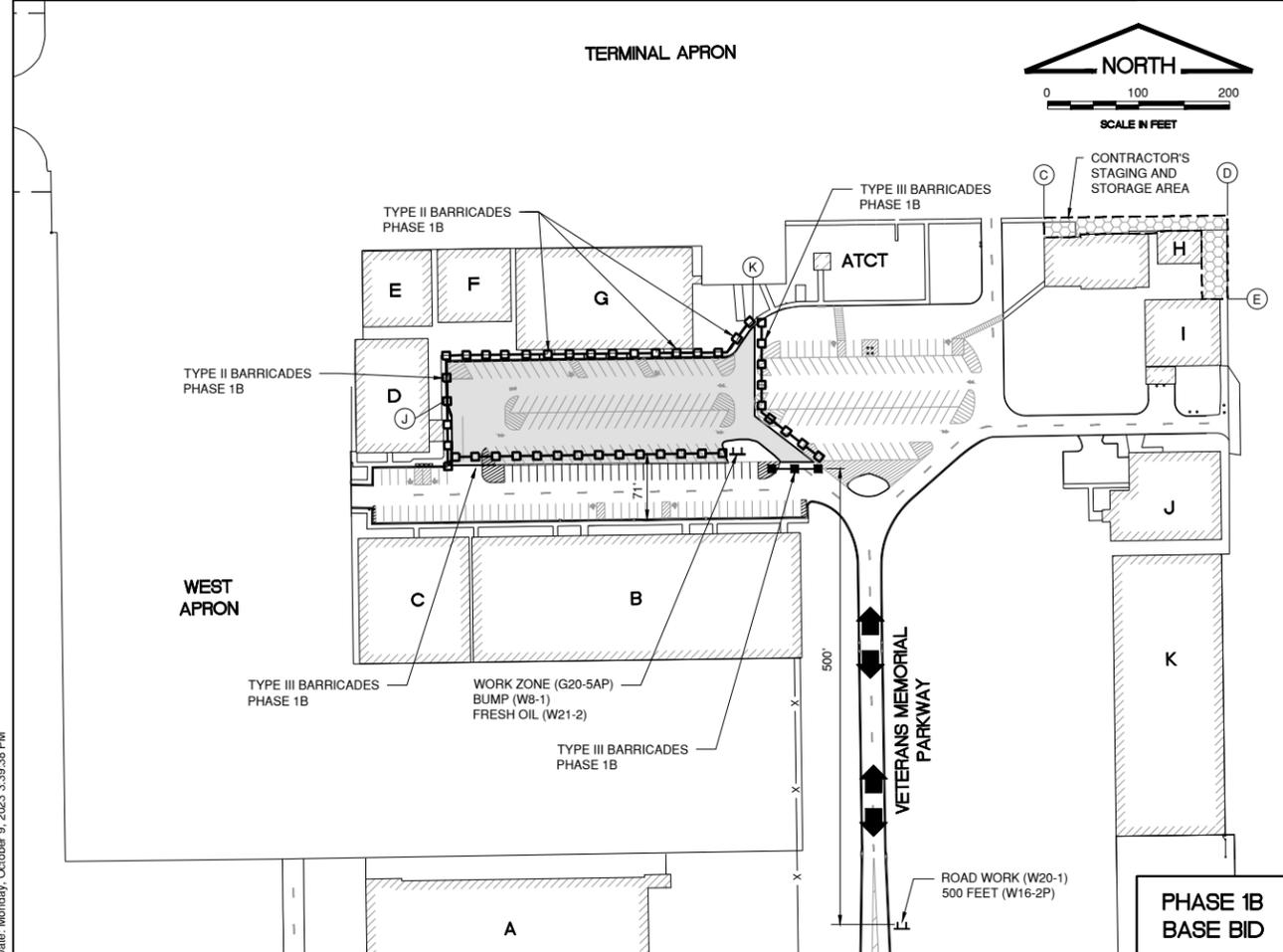
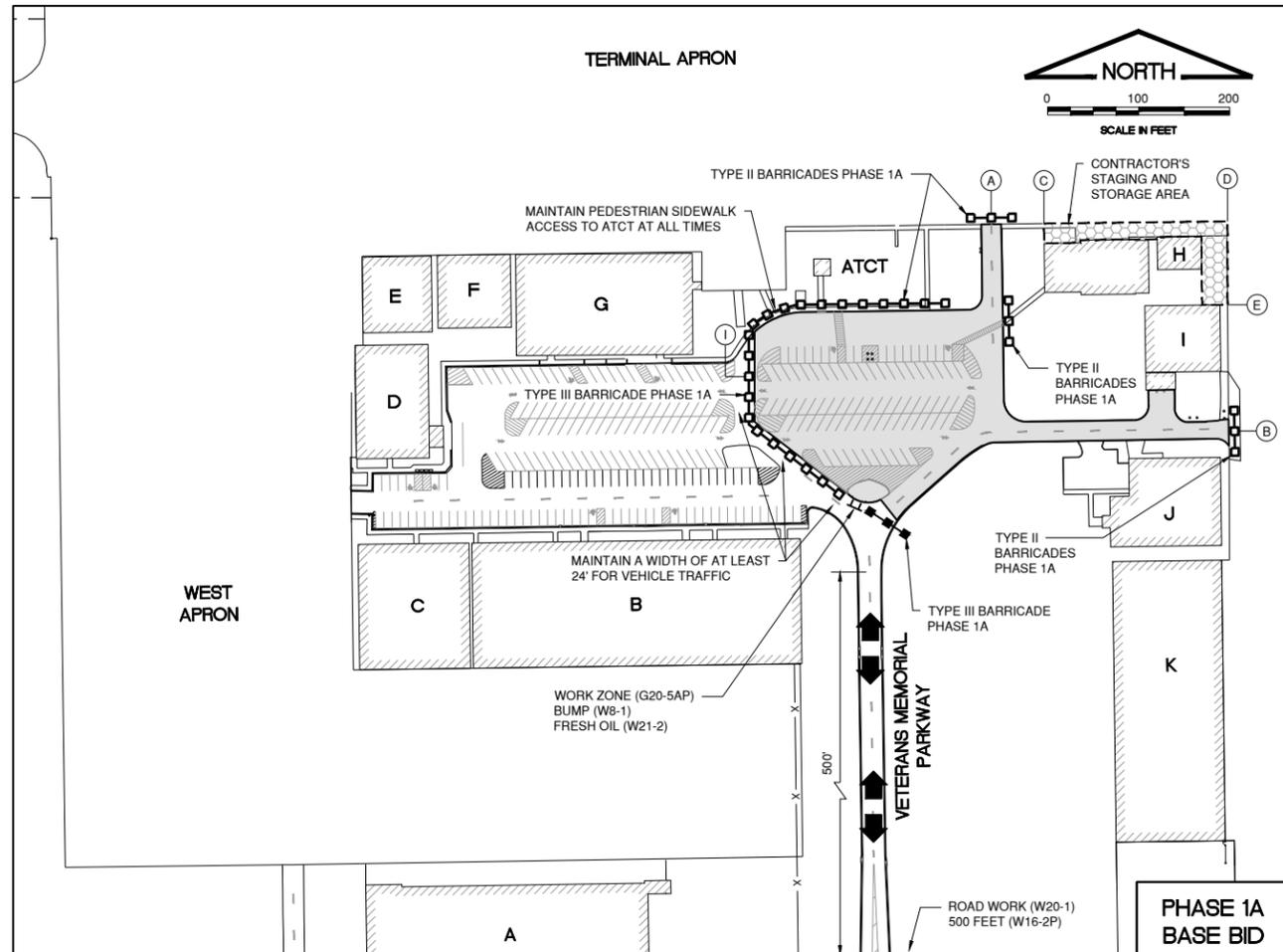
- NOTIFY RESIDENT ENGINEER/AIRPORT MANAGER 10 DAYS PRIOR TO THE START OF CONSTRUCTION.
- PHASES 1A, 1B AND 1C
 - COORDINATE WITH RESIDENT ENGINEER AND AIRPORT MANAGER FOR REQUIRED PAVEMENT CLOSURES FOR WORK AREA.
 - PLACE REQUIRED BARRICADES AND INSTALL EROSION CONTROL ITEMS.
 - COMPLETE PROPOSED IMPROVEMENTS WITHIN EACH PHASE.
 - CLEAN PAVEMENTS, RESTORE DISTURBED WORK AREAS AND REMOVE MISCELLANEOUS DEBRIS FROM WORK AREA.
 - COORDINATE WITH RESIDENT ENGINEER AND AIRPORT MANAGER PAVEMENT CLOSURES FOR NEXT WORK AREA.
 - RELOCATE BARRICADES FOR NEXT PHASE.

LEGEND

- PROPOSED IMPROVEMENTS
- IDOT TYPE III BARRICADES
- IDOT TYPE II BARRICADES
- CONTRACTOR'S HAUL ROUTE
- CONTRACTOR'S STAGING AND STORAGE AREA
- TEMPORARY SIGN

NOTES

- CONTRACTOR SHALL ONLY HAVE ONE BUILDING DOOR ENTRANCE CLOSED AT A TIME AT EACH BUILDING WHEN PERFORMING SIDEWALK REMOVAL AND REPLACEMENT.
- WORK AREAS 1, 2 AND 4 CAN BE CONCURRENT. WORK AREAS 1 AND 2 SHALL BE COMPLETED PRIOR TO THE START OF CONSTRUCTION IN WORK AREA 3.
- CONTRACTOR SHALL PLACE SIDEWALK CLOSED SIGN (R9-9, R9-10) AT LOCATIONS WHERE SIDEWALK IS CLOSED. AT LOCATIONS WHERE TENANTS CROSS THROUGH CONSTRUCTION AREAS, WALK PATHS SHALL BE CHANNELIZED AND SEPARATED FROM WORK AREAS WITH DRUMS, CONES, OR BARRICADES. THIS WORK WILL NOT BE PAID SEPARATE BUT CONSIDERED INCIDENTAL TO THE CONTRACT.
- ALL EXISTING PAVEMENTS, DRIVES OR ANY OTHER AREAS USED AS A HAUL ROAD OR STORAGE AREA BY THE CONTRACTOR SHALL BE PROTECTED, AS NEEDED, THROUGH THE USE OF STEEL PLATES OR OTHER MEANS ACCEPTABLE TO THE RESIDENT ENGINEER AND AIRPORT IN ORDER TO PREVENT DAMAGE TO THE PAVEMENT. ALL DAMAGED PAVEMENT SHALL BE RESTORED IN KIND TO THEIR PRE-CONSTRUCTION CONDITION OR TO THE SATISFACTION OF THE RESIDENT ENGINEER AND AIRPORT MANAGER. THE COST OF PROTECTING, MAINTAINING, REPAIRING OR CONSTRUCTING THESE PAVEMENTS AND AREAS SHALL BE INCIDENTAL TO THE CONTRACT. EXISTING AREAS OUTSIDE THE PROJECT LIMITS WHICH ARE DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY HIM AT HIS EXPENSE TO THE SATISFACTION OF THE RESIDENT ENGINEER AND THE AIRPORT MANAGER.
- TEMPORARY TRAFFIC CONTROL SIGNS SHALL CONFORM TO THE LATEST EDITION OF "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES".
- MAINTAIN PEDESTRIAN ACCESS TO ALL BUILDING DOOR ENTRANCES AT ALL TIMES.



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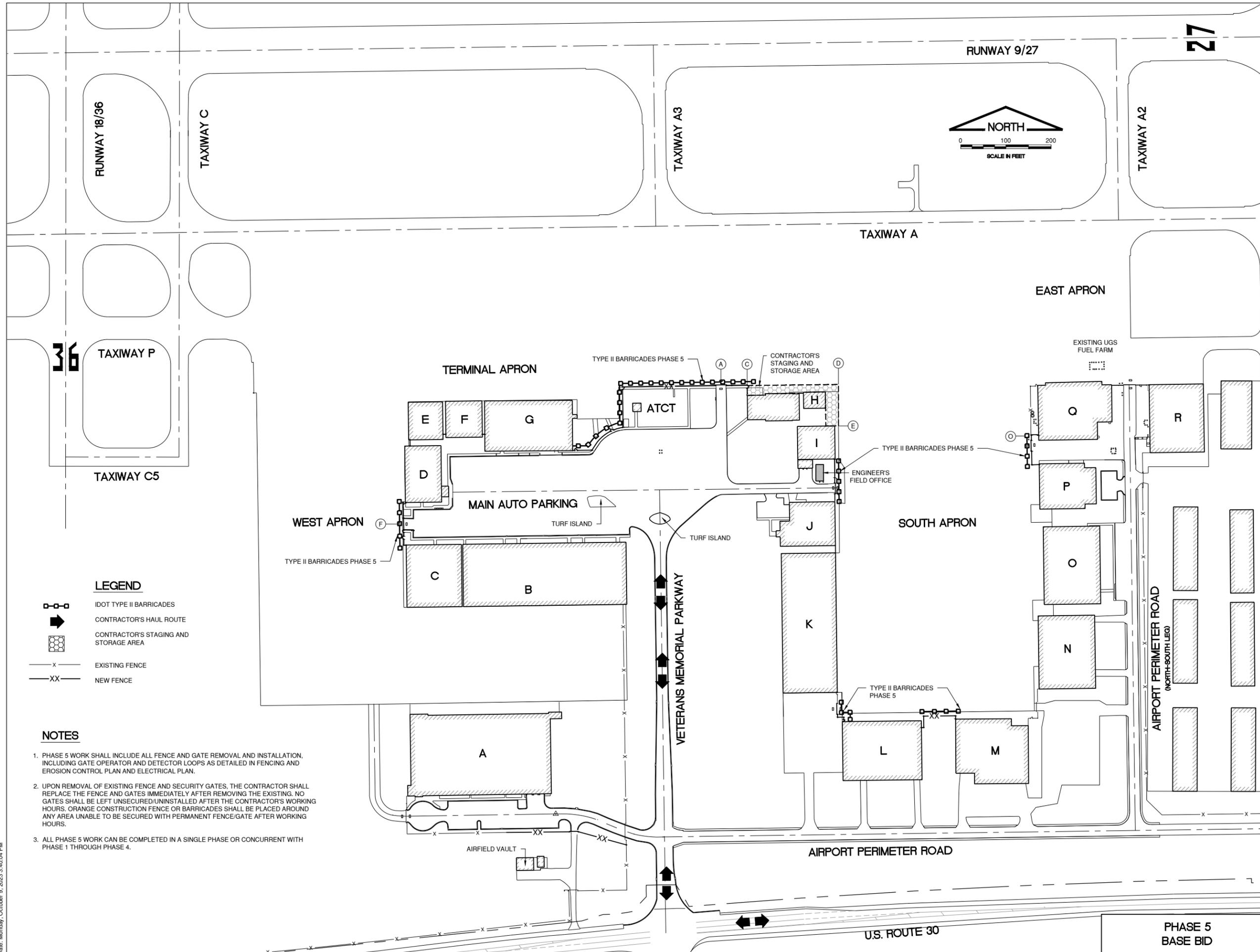
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SEQUENCE OF CONSTRUCTION - 3



LEGEND

- IDOT TYPE II BARRICADES
- CONTRACTOR'S HAUL ROUTE
- CONTRACTOR'S STAGING AND STORAGE AREA
- EXISTING FENCE
- NEW FENCE

NOTES

1. PHASE 5 WORK SHALL INCLUDE ALL FENCE AND GATE REMOVAL AND INSTALLATION INCLUDING GATE OPERATOR AND DETECTOR LOOPS AS DETAILED IN FENCING AND EROSION CONTROL PLAN AND ELECTRICAL PLAN.
2. UPON REMOVAL OF EXISTING FENCE AND SECURITY GATES, THE CONTRACTOR SHALL REPLACE THE FENCE AND GATES IMMEDIATELY AFTER REMOVING THE EXISTING. NO GATES SHALL BE LEFT UNSECURED/UNINSTALLED AFTER THE CONTRACTOR'S WORKING HOURS. ORANGE CONSTRUCTION FENCE OR BARRICADES SHALL BE PLACED AROUND ANY AREA UNABLE TO BE SECURED WITH PERMANENT FENCE/GATE AFTER WORKING HOURS.
3. ALL PHASE 5 WORK CAN BE COMPLETED IN A SINGLE PHASE OR CONCURRENT WITH PHASE 1 THROUGH PHASE 4.

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REHABILITATE AUTO PARKING LOTS AND ENTRANCE ROAD

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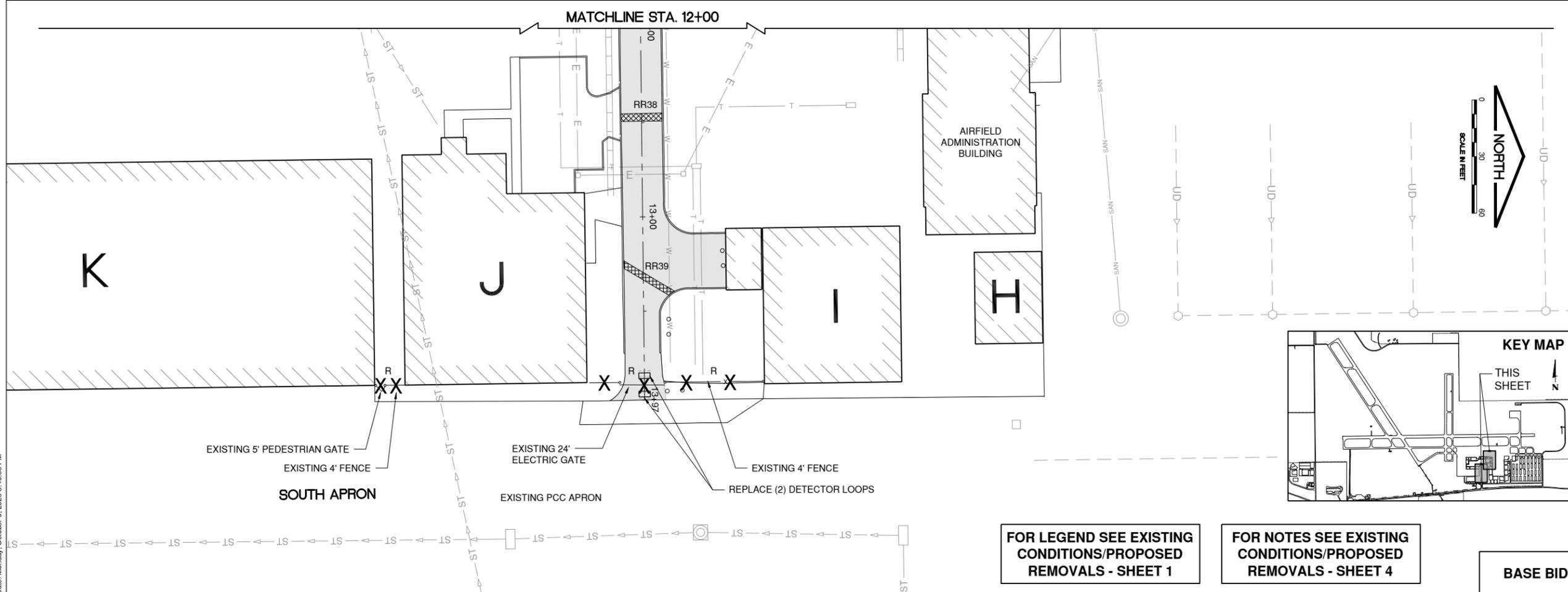
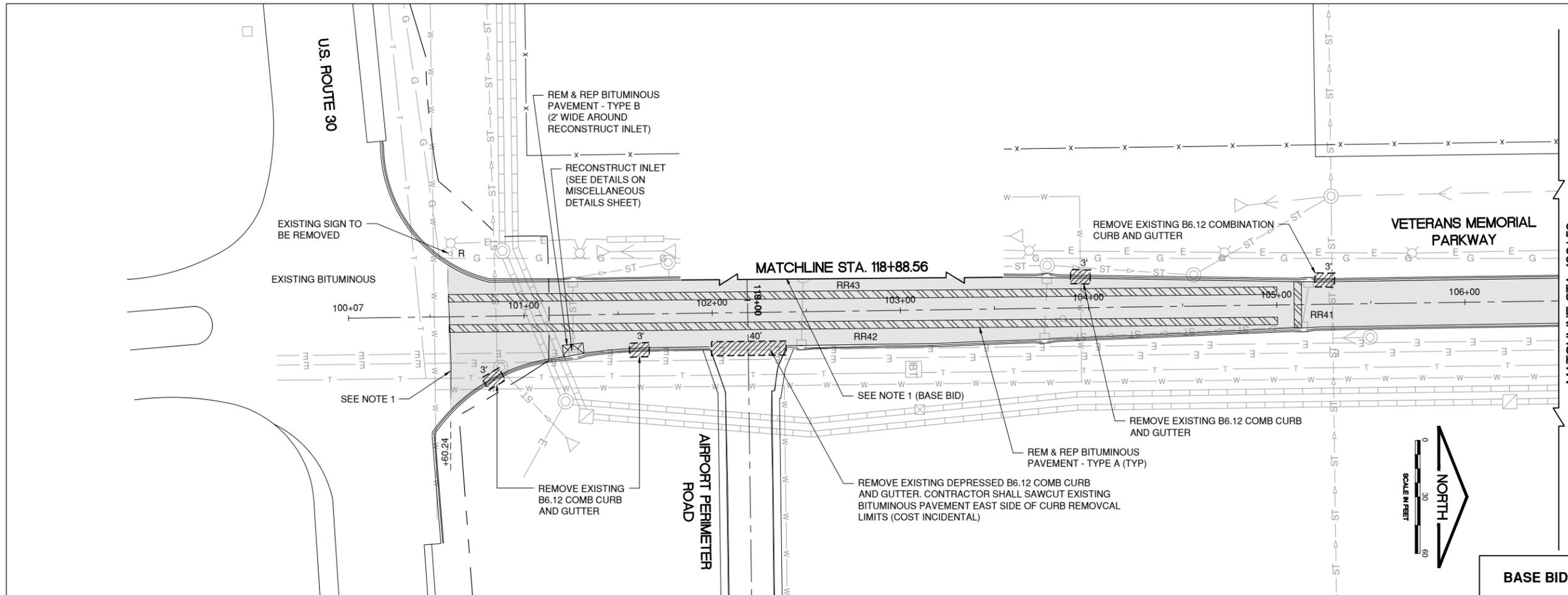
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**EXISTING CONDITIONS/
PROPOSED REMOVALS**
- 2



FOR LEGEND SEE EXISTING CONDITIONS/PROPOSED REMOVALS - SHEET 1

FOR NOTES SEE EXISTING CONDITIONS/PROPOSED REMOVALS - SHEET 4

BASE BID

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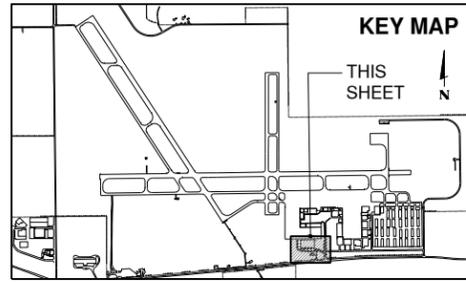
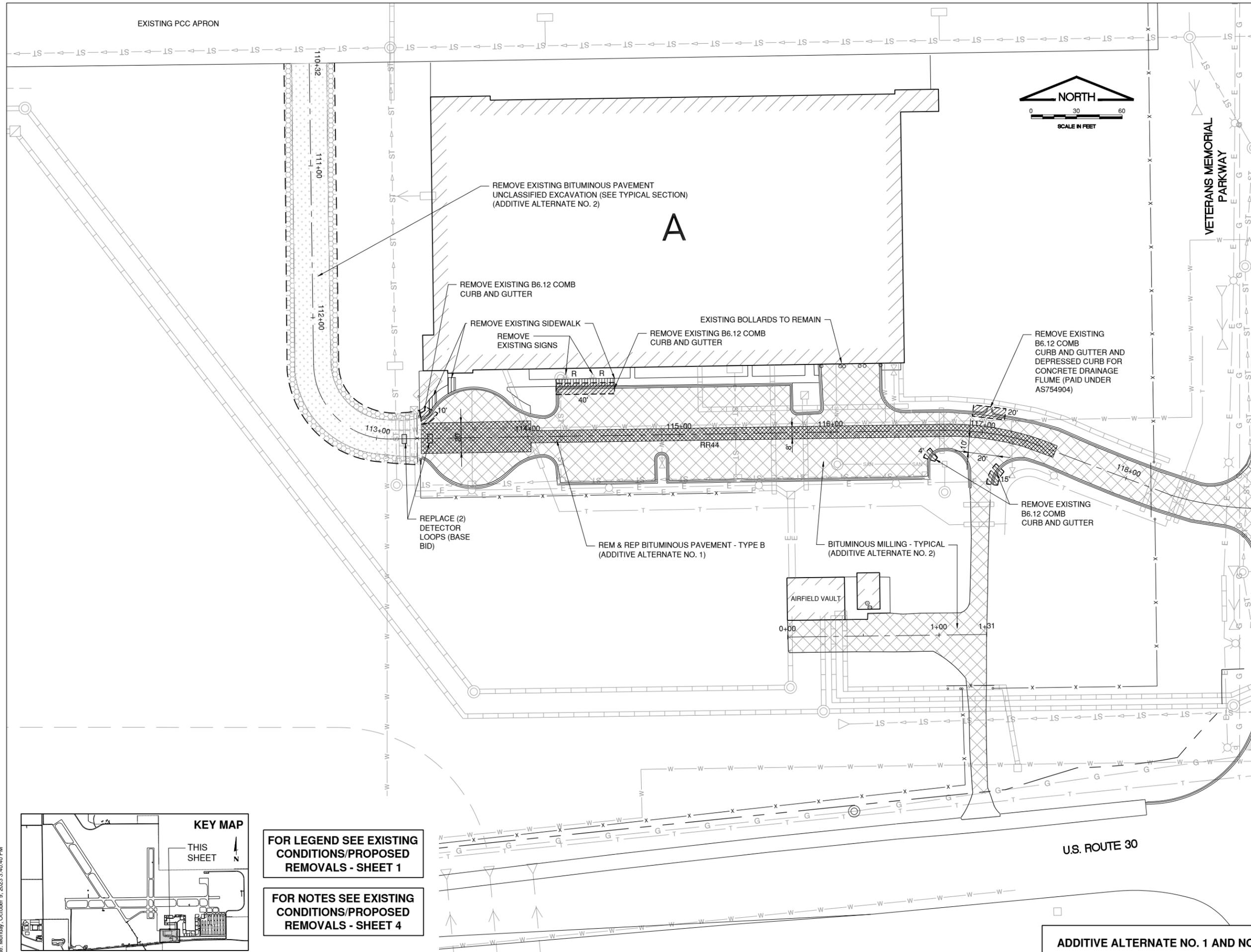
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SHEET TITLE
**EXISTING CONDITIONS/
PROPOSED REMOVALS**
- 3



FOR LEGEND SEE EXISTING CONDITIONS/PROPOSED REMOVALS - SHEET 1

FOR NOTES SEE EXISTING CONDITIONS/PROPOSED REMOVALS - SHEET 4

ADDITIVE ALTERNATE NO. 1 AND NO. 2

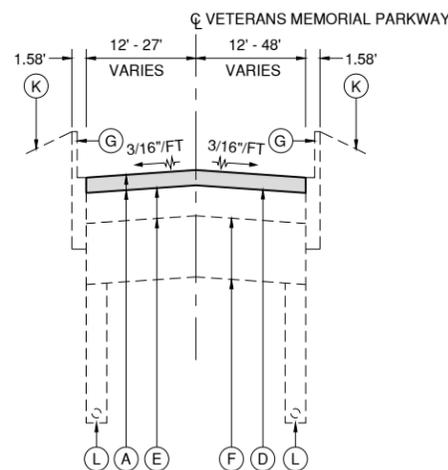
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MARK	DATE	DESCRIPTION

IL PROJECT NO:	ARR-4544
CMT PROJECT NO:	21001658-00
CAD DWG FILE:	
DESIGNED BY:	STL
DRAWN BY:	JRO
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SHEET TITLE

TYPICAL SECTIONS - 1



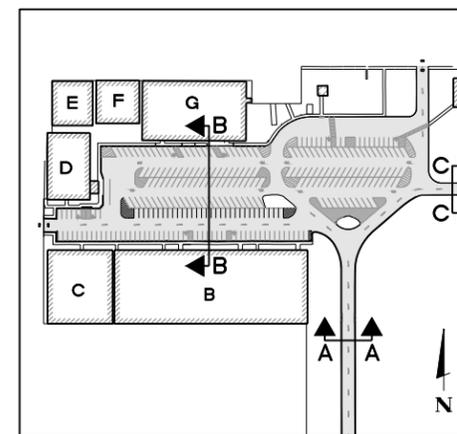
**VETERAN'S MEMORIAL PARKWAY
TYPICAL SECTION A-A (BASE BID)
STA. 100+60 TO STA. 109+09
NOT TO SCALE**

NOTES

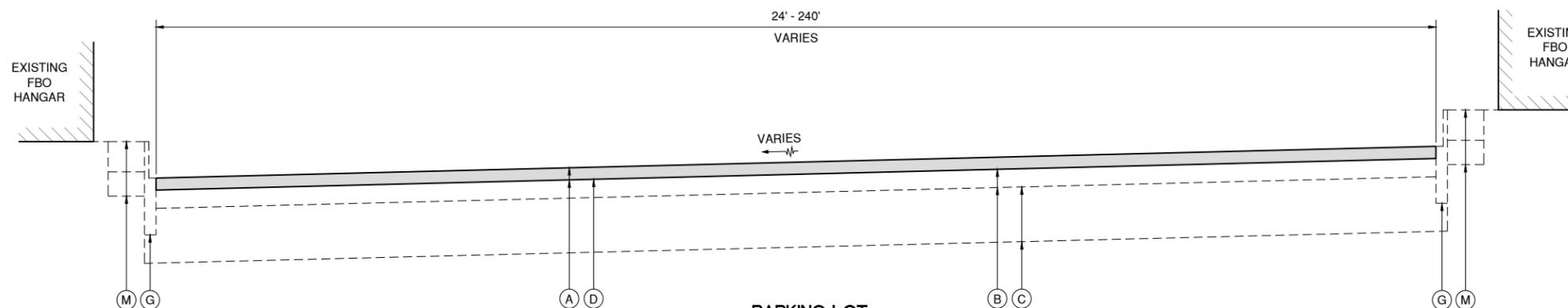
1. DEPTHS OF EXISTING PAVEMENTS SECTIONS ARE APPROXIMATE BASED ON DATA SUPPLIED BY RECORDS AND PAVEMENT CORES. THE CONTRACTOR SHALL VERIFY THE TYPE AND THICKNESS OF MATERIAL TO REMOVE. NO EXTRA COMPENSATION WILL BE ALLOWED FOR ANY VARIATION IN THE PAVEMENT SECTIONS ACTUALLY ENCOUNTERED.
2. PAVEMENT REMOVAL AND REPLACEMENT QUANTITIES ARE ESTIMATED. THE RESIDENT ENGINEER SHALL LAY OUT PAVEMENT REMOVAL AND REPLACEMENT AREAS IN THE FIELD DURING CONSTRUCTION.
3. AS FIELD CONDITIONS WARRANT AT THE TIME OF CONSTRUCTION, FURNISHING AND PLACING OF POROUS GRANULAR EMBANKMENT AND/OR REMOVAL AND REPLACEMENT OF AGGREGATE BASE COURSE SHALL BE DONE AT SECTIONS WHERE THE REMOVE AND REPLACE BITUMINOUS PAVEMENT - TYPE B IS UTILIZED. THIS SHALL BE DONE TO REPAIR SOFT SUBGRADE AS DETERMINED BY THE RESIDENT ENGINEER BASED ON RESULTS OF THE GEOTECHNICAL TESTING OR PROOF ROLL. UNCLASSIFIED EXCAVATION, AGGREGATE BASE COURSE, POROUS GRANULAR EMBANKMENT, AND SOIL STABILIZATION FABRIC WILL NO BE MEASURED SEPARATELY, BUT CONSIDERED INCIDENTAL TO REMOVE AND REPLACE BITUMINOUS PAVEMENT - TYPE B. NO ADJUSTMENT IN UNIT PRICE WILL BE ALLOWED FOR AN INCREASE OR DECREASE IN QUANTITIES.

LEGEND

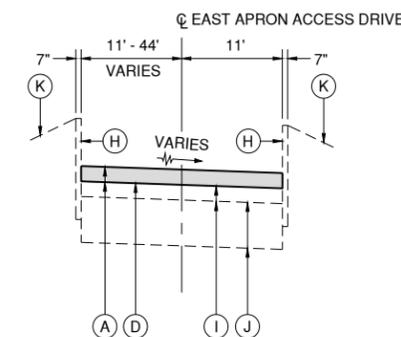
- (A) PROPOSED 2" BITUMINOUS MILLING (401)
PROPOSED 2" BITUMINOUS SURFACE COURSE (401)
- (B) EXISTING 5" - 6.75" BITUMINOUS PAVEMENT
- (C) EXISTING 9" CRUSHED AGGREGATE BASE COURSE
- (D) PROPOSED TACK COAT (603)
- (E) EXISTING 4.75" - 12" BITUMINOUS PAVEMENT
- (F) EXISTING 8" WATERBOUND MACADAM
- (G) EXISTING TYPE B-6.12 COMBINATION CURB AND GUTTER (754)
- (H) EXISTING TYPE B-6 BARRIER CURB (754)
- (I) EXISTING 3" - 4.5" BITUMINOUS PAVEMENT
- (J) EXISTING 6" GRANULAR BASE COURSE
- (K) EXISTING GROUND LINE
- (L) EXISTING 6" PIPE UNDERDRAIN WITH SOCK (705)
- (M) EXISTING 5" PCC SIDEWALK ON 4" GRANULAR MATERIAL



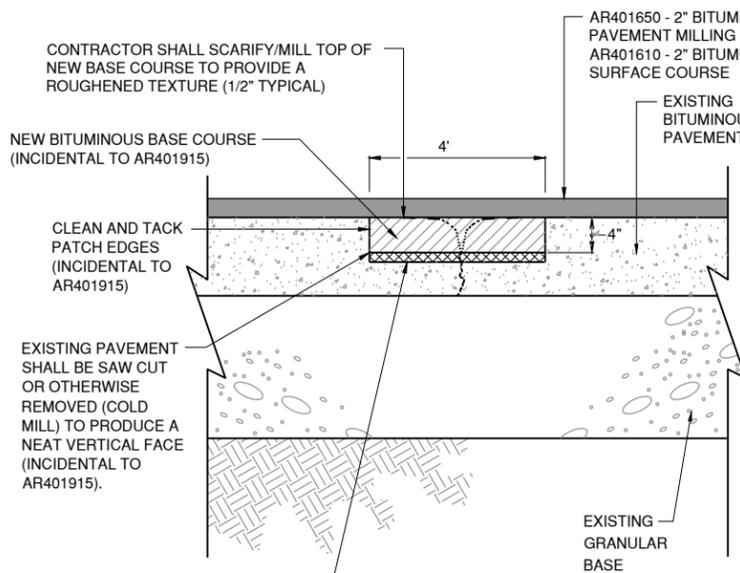
KEY MAP



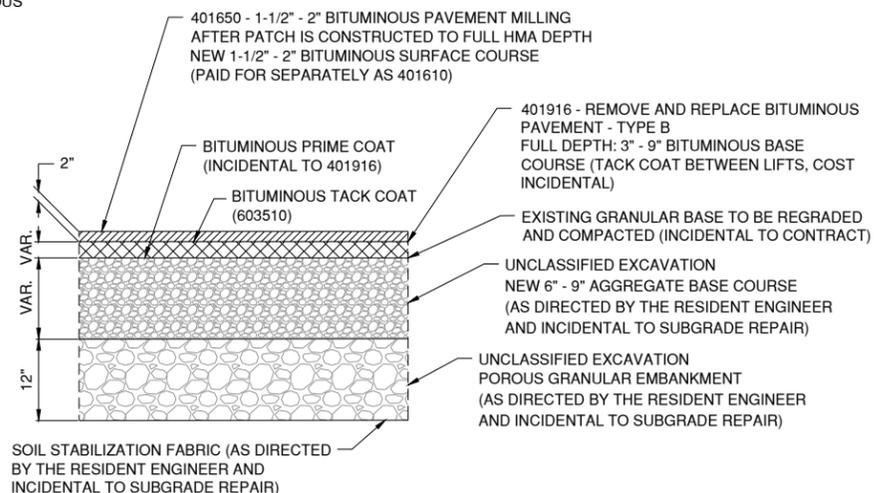
**PARKING LOT
TYPICAL SECTION B-B (BASE BID)
STA. 4 +32 TO STA. 11+50
NOT TO SCALE**



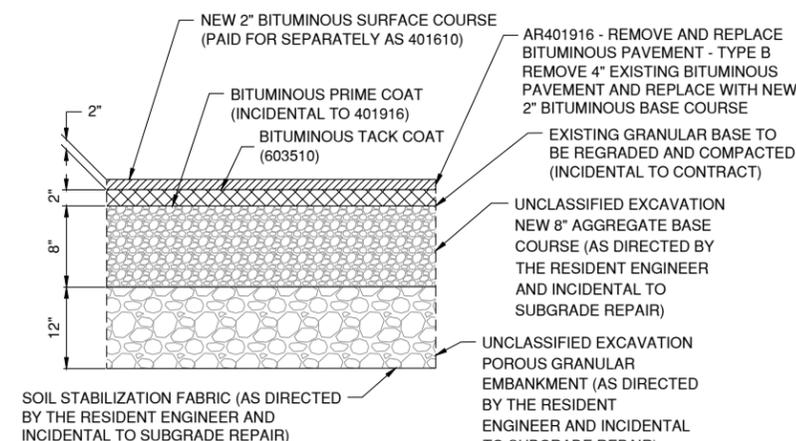
**EAST APRON ACCESS ROAD
TYPICAL SECTION C-C (BASE BID)
STA. 11+50 TO STA. 13+97
NOT TO SCALE**



**REMOVE AND REPLACE
BITUMINOUS PAVEMENT TYPE A (BASE BID)
NOT TO SCALE**



**REMOVE AND REPLACE BITUMINOUS PAVEMENT
- TYPE B DETAIL (BASE BID, ADD. ALT. NO. 2 AND 3)
NOT TO SCALE**



**REMOVE AND REPLACE BITUMINOUS PAVEMENT
- TYPE B DETAIL (ADD. ALT. NO. 1)
NOT TO SCALE**

SEQUENCE NOTES

1. MILL 1-1/2" - 2" BITUMINOUS PAVEMENT
2. REMOVE REMAINING FULL DEPTH OF BITUMINOUS PAVEMENT
3. PLACE PRIME COAT FOLLOWED BY BITUMINOUS BASE COURSE
4. SCARIFY/MILL TOP OF NEW BASE COURSE TO PROVIDE A ROUGHENED TEXTURE (1/2" TYPICAL)
5. PLACE TACK COAT FOLLOWED BY SURFACE COURSE

NOTE 1: WIDTH SHALL BE 4' OR AS SHOWN ON THE PLANS
NOTE 2: IF ADD. ALT. NO. 1 AND ADD. ALT. NO. 2 ARE AWARDED, CONTRACTOR SHALL FOLLOW THE DETAILS OF ADD. ALT. NO. 2 AT NO ADDITIONAL COST.



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REHABILITATE AUTO PARKING LOTS AND ENTRANCE ROAD

SEPTEMBER 22, 2023

OWNER



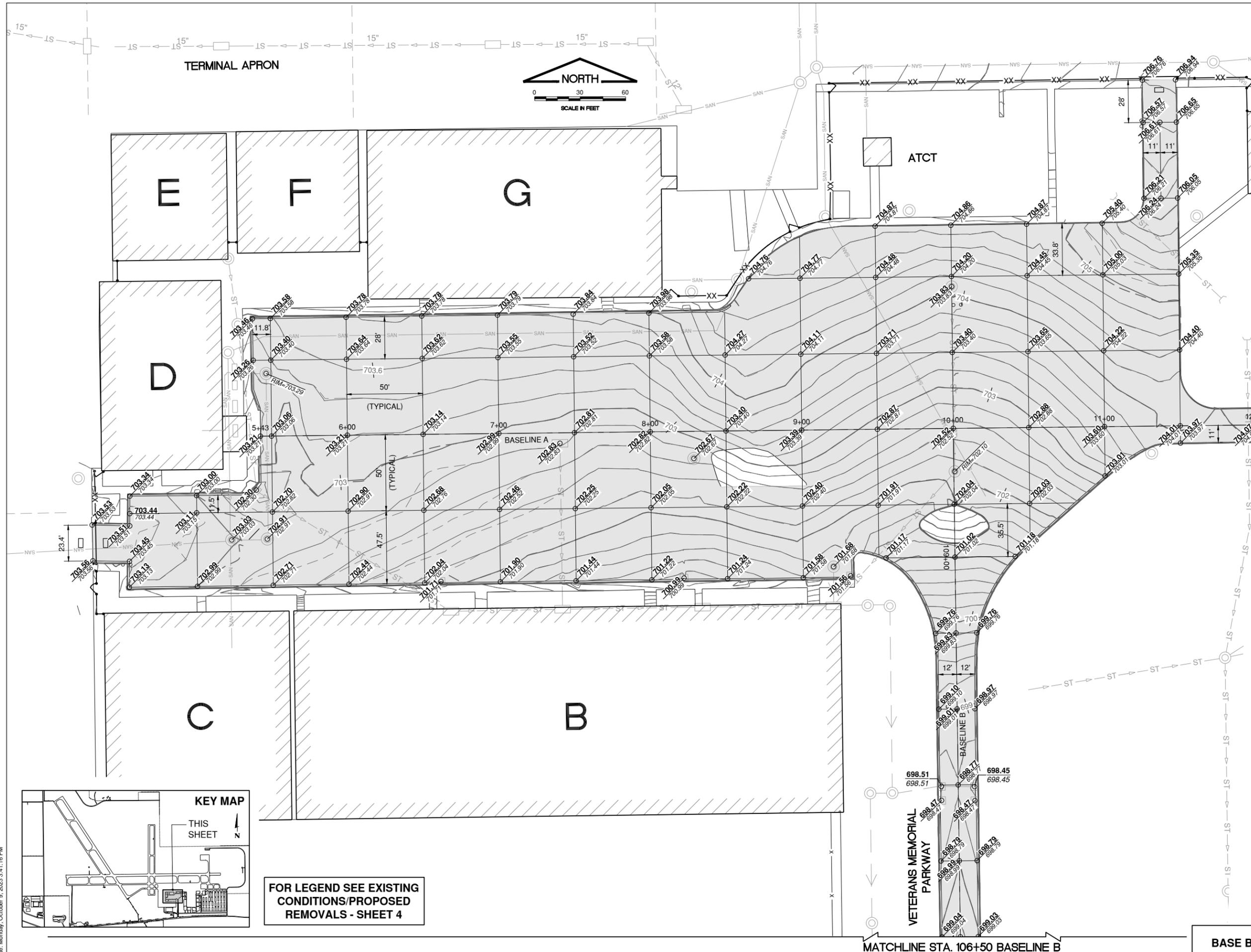
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SHEET TITLE

STAKING PLAN - 1

BASE BID





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REHABILITATE AUTO PARKING LOTS AND ENTRANCE ROAD

SEPTEMBER 22, 2023

BASE BID

OWNER



MARK | DATE | DESCRIPTION

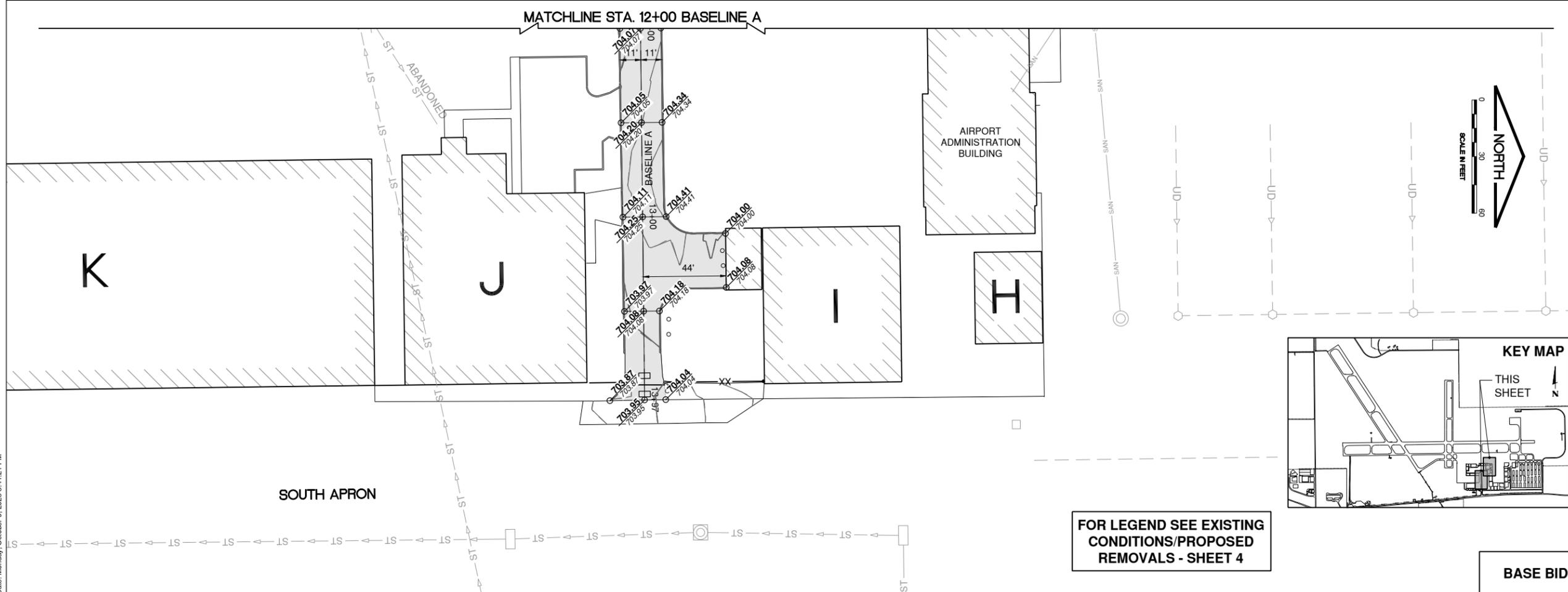
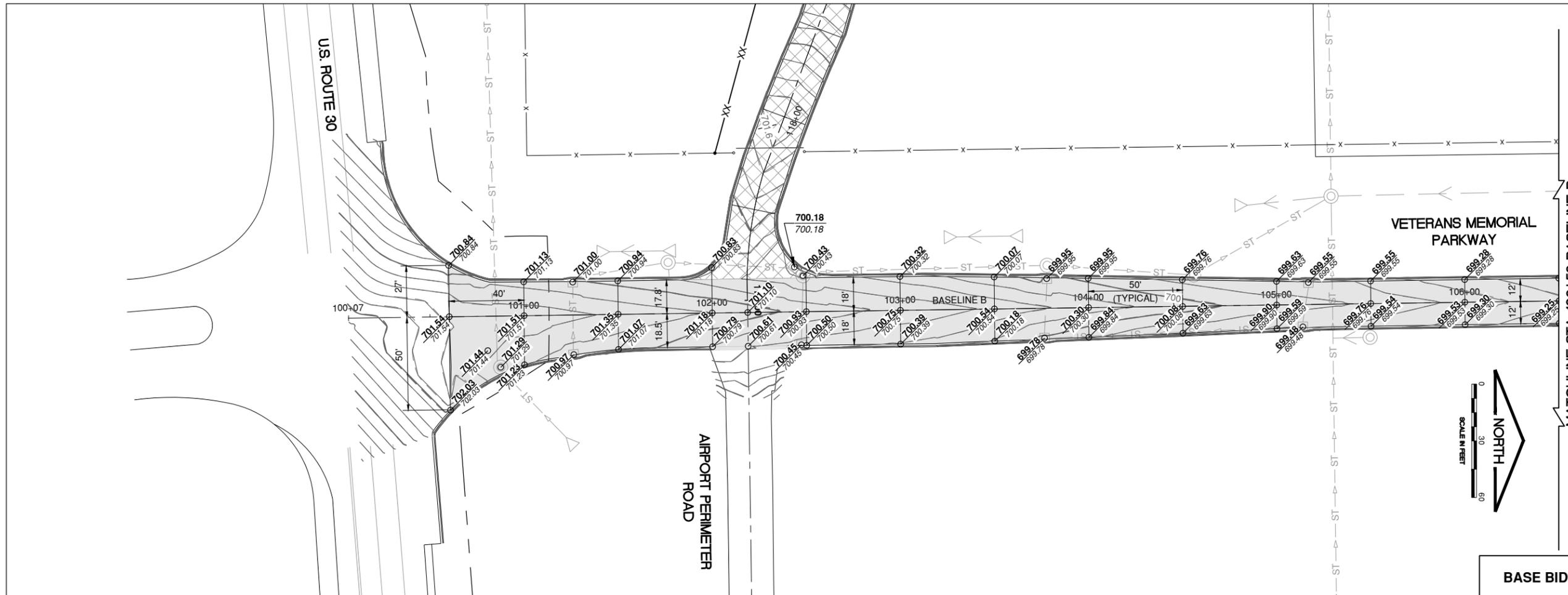
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SHEET TITLE

STAKING PLAN - 2

BASE BID

SHEET 17 OF 34



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REHABILITATE AUTO PARKING LOTS AND ENTRANCE ROAD

SEPTEMBER 22, 2023

BASE BID (FENCE) AND ADDITIVE ALTERNATE NO. 3

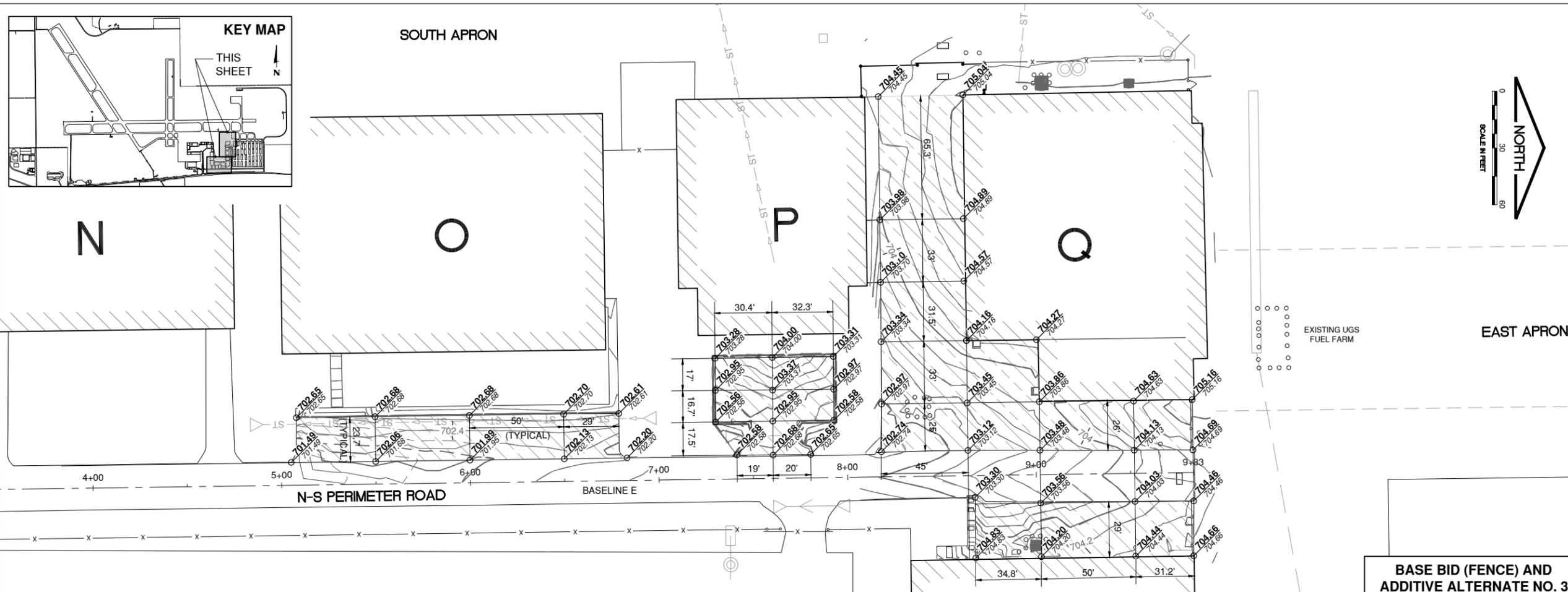


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SHEET TITLE

STAKING PLAN - 4



NOTES

1. IN THE ABSENCE OF A PROPOSED SPOT ELEVATION, THE CONTRACTOR SHALL GRADE THE SITE IN GENERAL CONFORMANCE TO THE CONTOURS SHOWN. AREAS NOT DRAINING TO THE SATISFACTION OF THE RESIDENT ENGINEER AND OWNER SHALL BE REGRADED AT THE CONTRACTOR'S EXPENSE.
2. GRADES SHOWN ARE FOR BITUMINOUS PAVEMENT. CURB GRADES ARE NOT SHOWN.
3. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AT NEW SIDEWALK AND TURF AROUND THE TERMINAL BUILDING.
4. RIM ELEVATION SHOWN IS MEASURED AT THE FLOWLINE.

LEGEND

- NEW ELEVATION
- EXISTING ELEVATION
- EXISTING CONTOUR
- NEW CONTOUR
- EXISTING AIRFIELD FENCE
- EXISTING GATE
- EXISTING STORM SEWER
- EXISTING MANHOLE/INLET
- EXISTING BUILDING
- NEW BITUMINOUS MILL AND OVERLAY (BASE BID)
- NEW BITUMINOUS MILL AND OVERLAY (ADDITIVE ALTERNATE NO. 2)
- NEW BITUMINOUS PAVEMENT (ADDITIVE ALTERNATE NO. 2)
- NEW BITUMINOUS MILL AND OVERLAY (ADDITIVE ALTERNATE NO. 3)
- EXISTING GAS
- EXISTING TELECOMMUNICATIONS
- EXISTING SANITARY
- EXISTING ELECTRICAL
- EXISTING WATERMAIN
- EXISTING UNDERDRAIN
- EXISTING ELECTRICAL HANDHOLE
- EXISTING CONDUIT/DUCT BANK
- EXISTING WATER VALVE
- EXISTING UNDERDRAIN CLEANOUT
- EXISTING STORM SEWER END TREATMENT
- EXISTING BOLLARD



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REHABILITATE AUTO PARKING LOTS AND ENTRANCE ROAD

SEPTEMBER 22, 2023

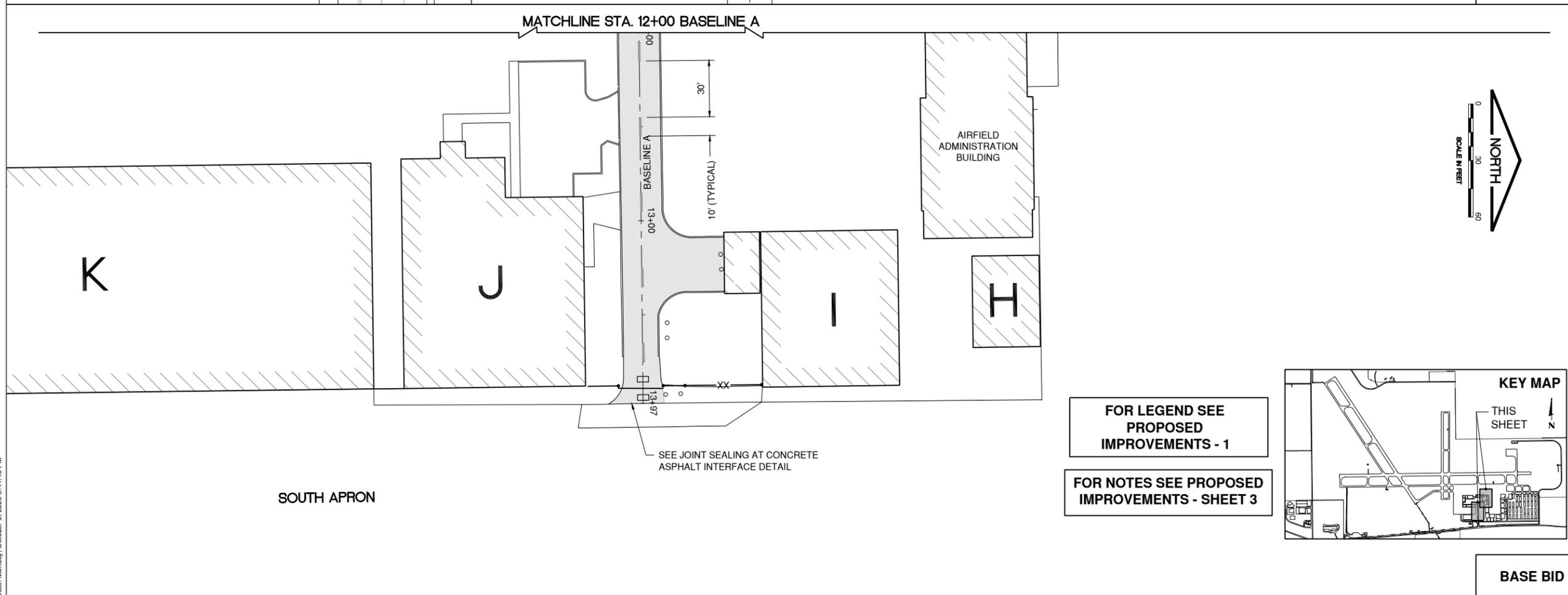
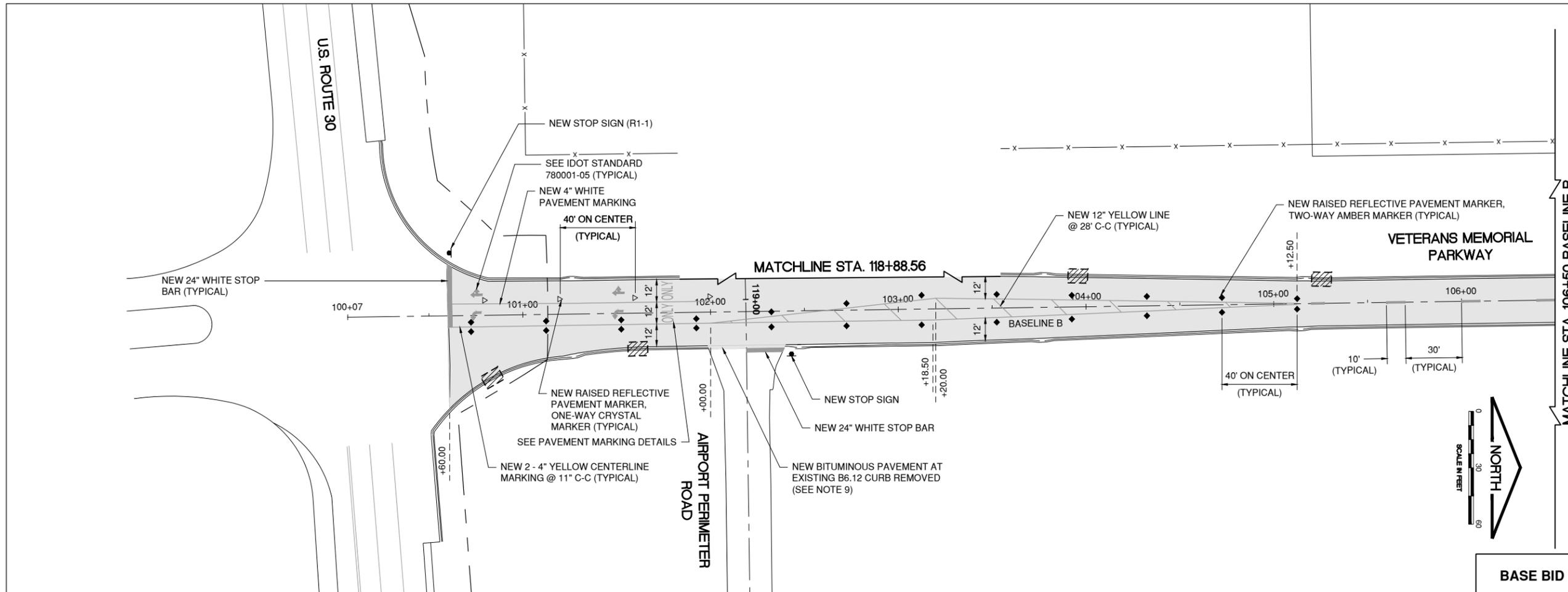
BASE BID



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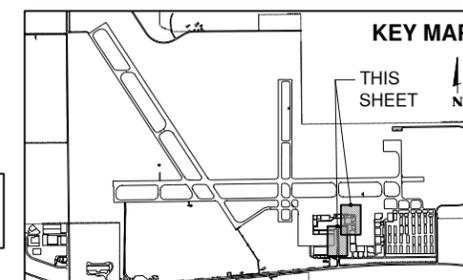
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SHEET TITLE
PROPOSED IMPROVEMENTS - 2



FOR LEGEND SEE PROPOSED IMPROVEMENTS - 1

FOR NOTES SEE PROPOSED IMPROVEMENTS - SHEET 3



BASE BID



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REHABILITATE AUTO PARKING LOTS AND ENTRANCE ROAD

SEPTEMBER 22, 2023

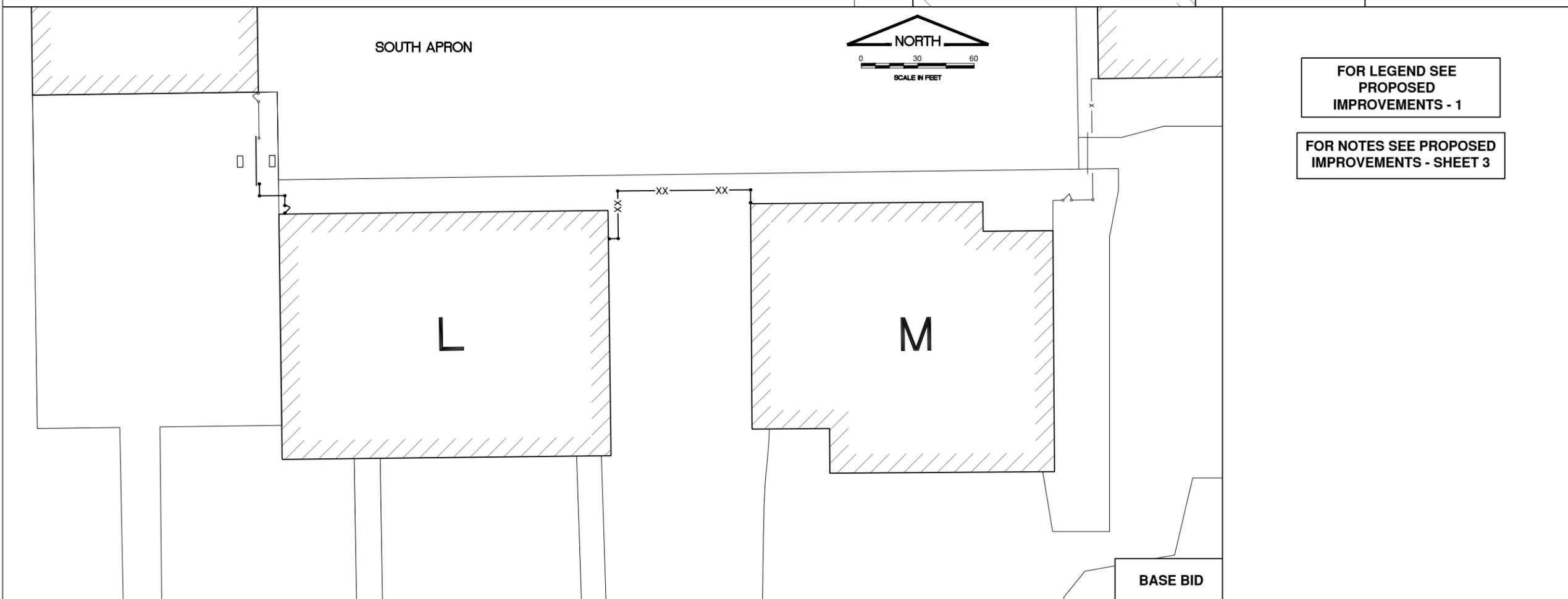
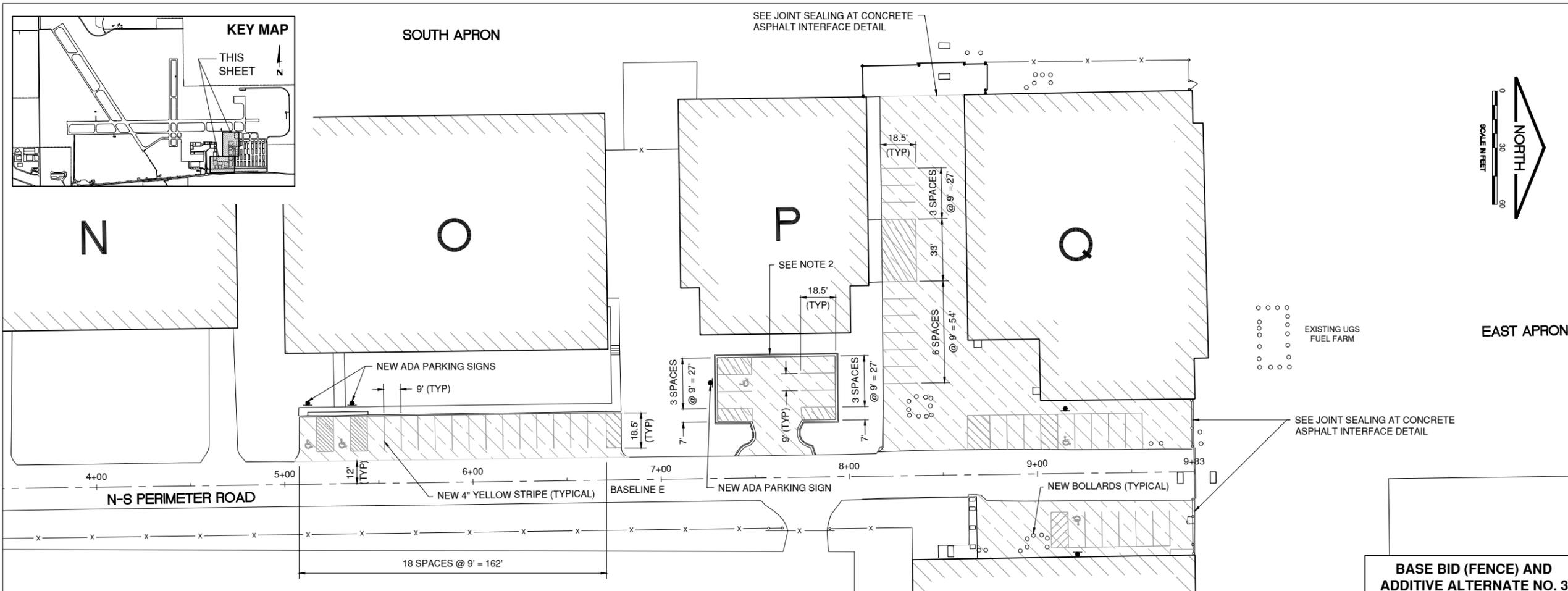
BASE BID (FENCE) AND ADDITIVE ALTERNATE NO. 3



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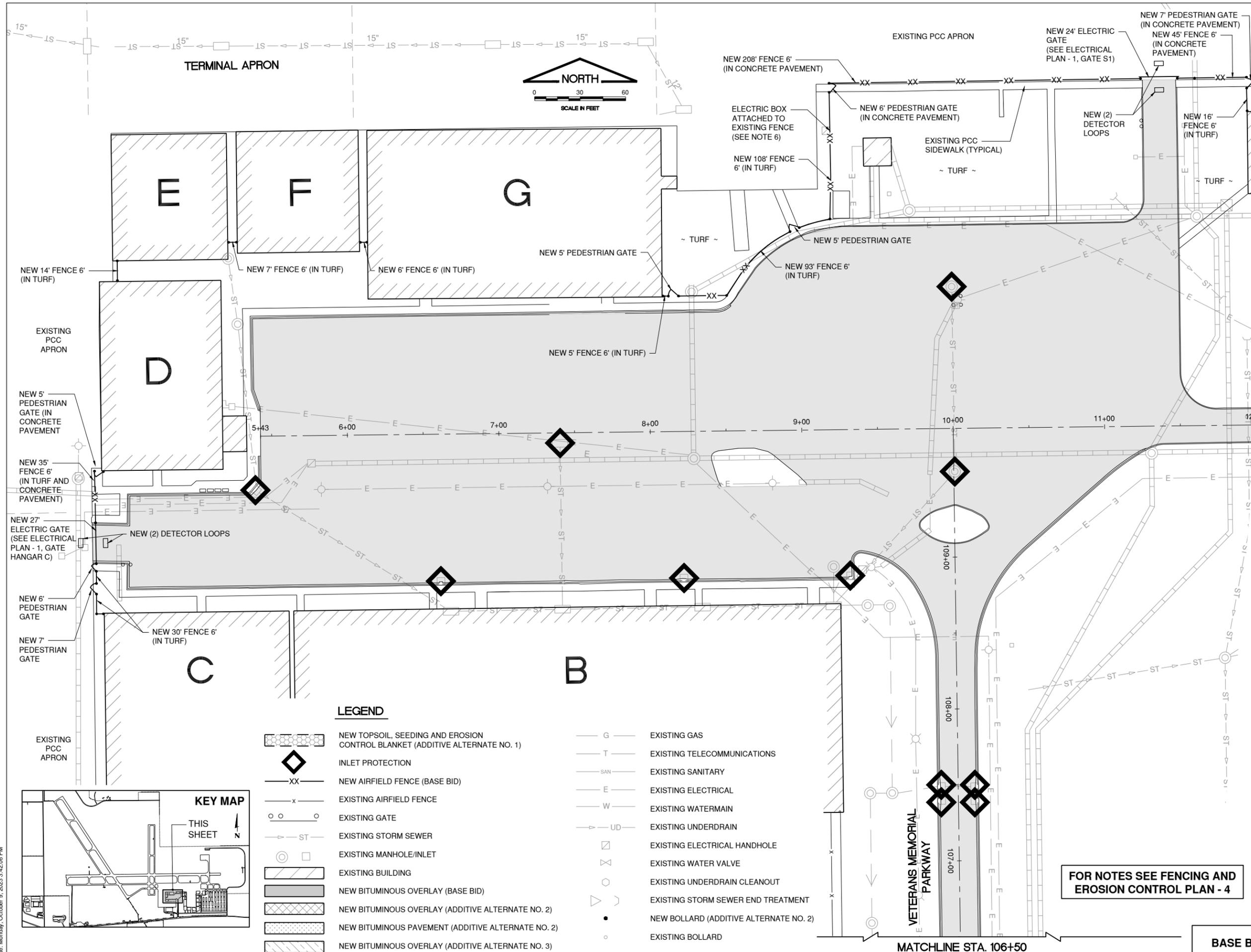
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PROPOSED IMPROVEMENTS - 4



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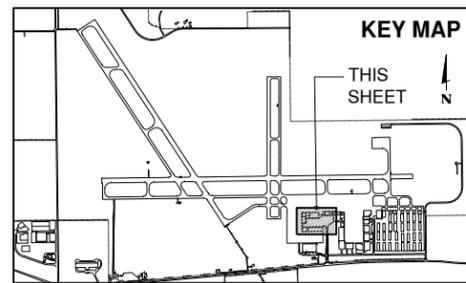
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LEGEND

- NEW TOPSOIL, SEEDING AND EROSION CONTROL BLANKET (ADDITIVE ALTERNATE NO. 1)
- INLET PROTECTION
- NEW AIRFIELD FENCE (BASE BID)
- EXISTING AIRFIELD FENCE
- EXISTING GATE
- EXISTING STORM SEWER
- EXISTING MANHOLE/INLET
- EXISTING BUILDING
- NEW BITUMINOUS OVERLAY (BASE BID)
- NEW BITUMINOUS OVERLAY (ADDITIVE ALTERNATE NO. 2)
- NEW BITUMINOUS PAVEMENT (ADDITIVE ALTERNATE NO. 2)
- NEW BITUMINOUS OVERLAY (ADDITIVE ALTERNATE NO. 3)
- EXISTING GAS
- EXISTING TELECOMMUNICATIONS
- EXISTING SANITARY
- EXISTING ELECTRICAL
- EXISTING WATERMAIN
- EXISTING UNDERDRAIN
- EXISTING ELECTRICAL HANDHOLE
- EXISTING WATER VALVE
- EXISTING UNDERDRAIN CLEANOUT
- EXISTING STORM SEWER END TREATMENT
- NEW BOLLARD (ADDITIVE ALTERNATE NO. 2)
- EXISTING BOLLARD

KEY MAP



FOR NOTES SEE FENCING AND EROSION CONTROL PLAN - 4

BASE BID

MATCHLINE STA. 106+50

MATCHLINE STA. 12+00

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REHABILITATE AUTO PARKING LOTS AND ENTRANCE ROAD

SEPTEMBER 22, 2023

BASE BID



MARK | DATE | DESCRIPTION

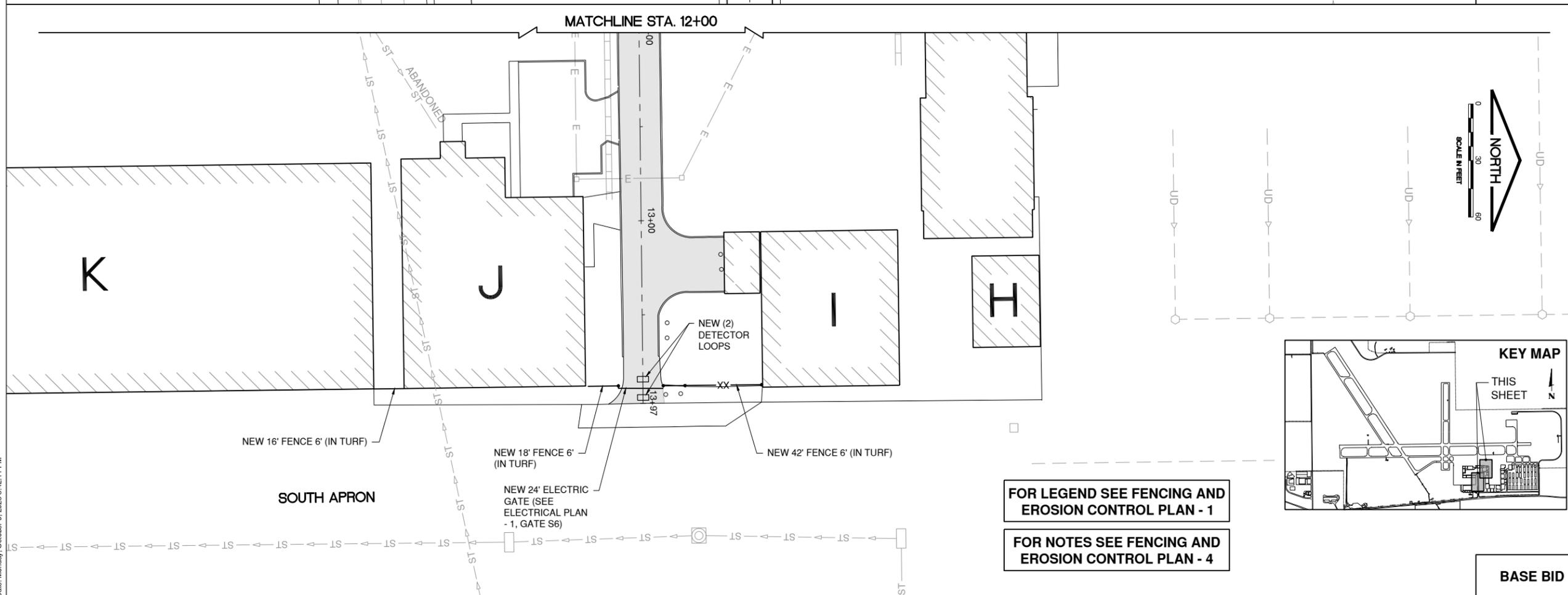
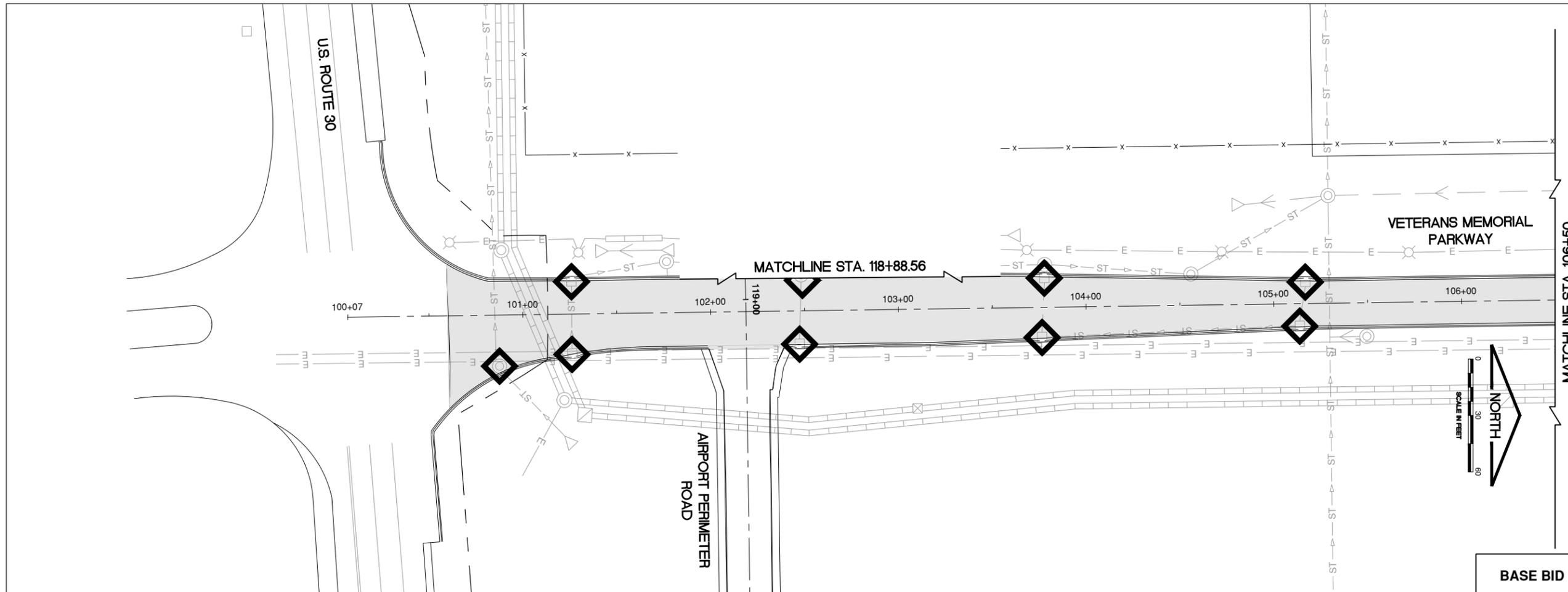
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SHEET TITLE

FENCING AND EROSION CONTROL PLAN - 2

BASE BID

SHEET 25 OF 34



FOR LEGEND SEE FENCING AND EROSION CONTROL PLAN - 1

FOR NOTES SEE FENCING AND EROSION CONTROL PLAN - 4

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REHABILITATE AUTO PARKING LOTS AND ENTRANCE ROAD

SEPTEMBER 22, 2023

OWNER

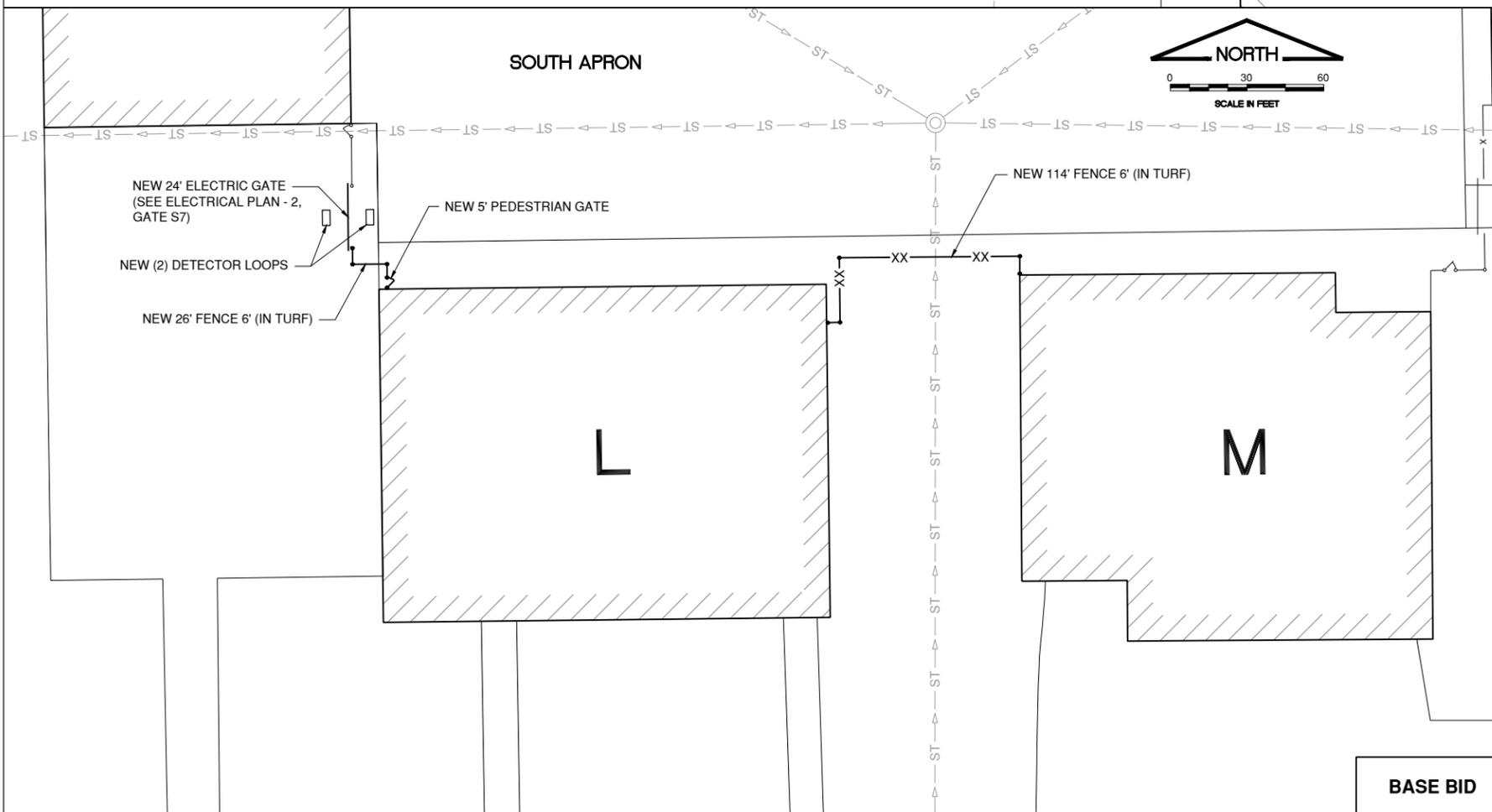
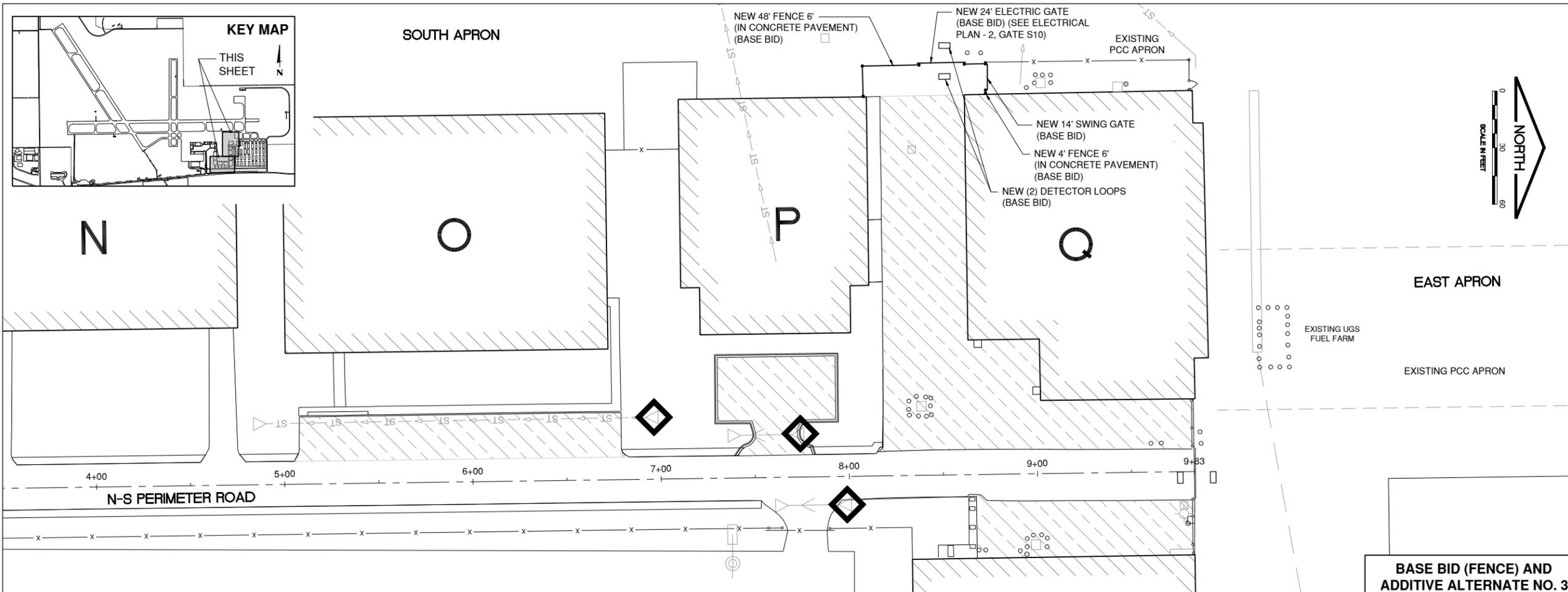


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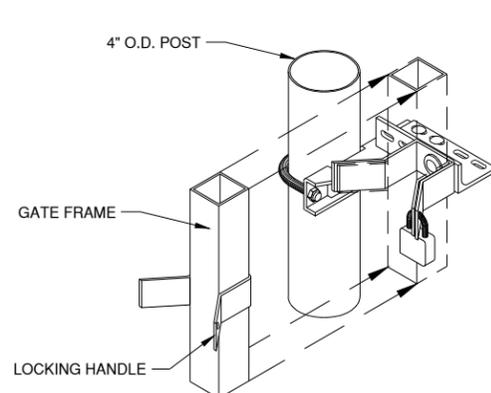
FENCING AND EROSION CONTROL PLAN - 4



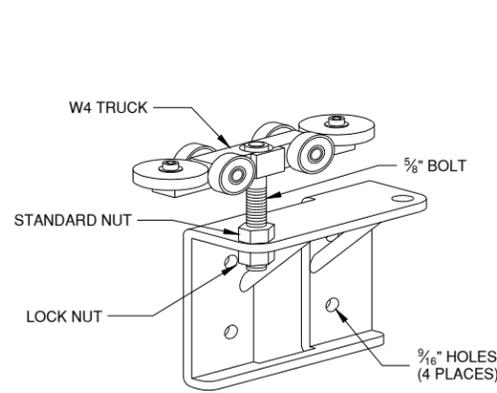
NOTES

1. TOPSOIL PLACEMENT AND SEEDING SHALL BE CONSIDERED INCIDENTAL TO EROSION CONTROL BLANKET (156).
2. CONTRACTOR SHALL PEEL BACK SOD ALONG EXISTING EDGE OF PAVEMENT AS SHOWN. SOD REMOVAL AND DISPOSAL SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
3. THE CONTRACTOR SHALL MAINTAIN A CONTINUOUS PERIMETER FENCE AT THE ACCESS DRIVE TO THE APRON WITHIN LIMITS OF CONSTRUCTION. THE USE OF TEMPORARY FENCE OR PHASED FENCE/GATE INSTALLATION SHALL BE REQUIRED. ALL MEASURES IMPLEMENTED BY THE CONTRACTOR SHALL BE TO THE SATISFACTION OF THE AIRPORT AND WILL NOT BE PAID SEPARATE BUT CONSIDERED INCIDENTAL TO THE CONTRACT.
4. CONSTRUCTION OF FENCE POSTS IN TURF IS PAID FOR UNDER 162506 CLASS E FENCE 6'. CONSTRUCTION OF FENCE POSTS IN CONCRETE AND ASPHALT PAVEMENT IS PAID FOR UNDER 800002 CLASS E FENCE 6', IN PAVEMENT.
5. ALL FENCE AND GATE REMOVAL AND INSTALLATION ARE INCLUDED IN THE BASE BID. THIS INCLUDES REPLACEMENT OF DETECTOR LOOPS AND GATE OPERATORS.
6. CONTRACTOR SHALL ATTACH THE EXISTING ELECTRIC BOX TO THE NEW FENCE 6'. ANY DAMAGE DONE TO THE ELECTRIC BOX DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. THIS WORK IS CONSIDERED INCIDENTAL TO THE CONTRACT.
7. THE REMOVED GATE OPERATORS, SECURITY PADS CARD/KEY SHALL BECOME THE PROPERTY OF THE AIRPORT. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL BARBED WIRE, FENCE FABRIC, FITTINGS, POSTS, OR OTHER MISCELLANEOUS ITEMS AND CONCRETE POST FOUNDATIONS OFF OF AIRPORT PROPERTY UNLESS BEING REQUESTED BY THE AIRPORT TO DELIVER TO A SPECIFIED LOCATION AT NO ADDITIONAL COSTS TO THE CONTRACT.
8. NEW FENCE ROUTING SHALL BE ADJUSTED IN THE FIELD BY THE RESIDENT ENGINEER FOR EXISTING CONDITIONS ENCOUNTERED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR SAID FIELD ADJUSTMENTS OR RESTAKING.

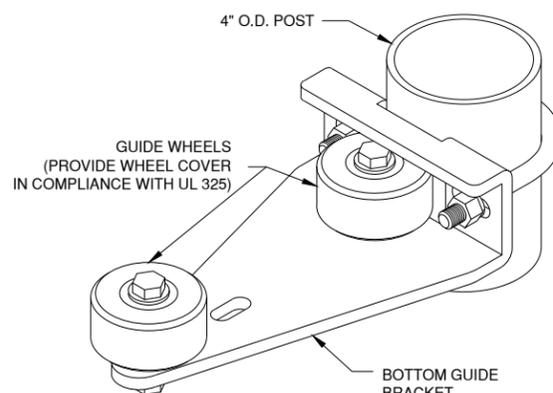
FOR LEGEND SEE FENCING AND EROSION CONTROL PLAN - 1



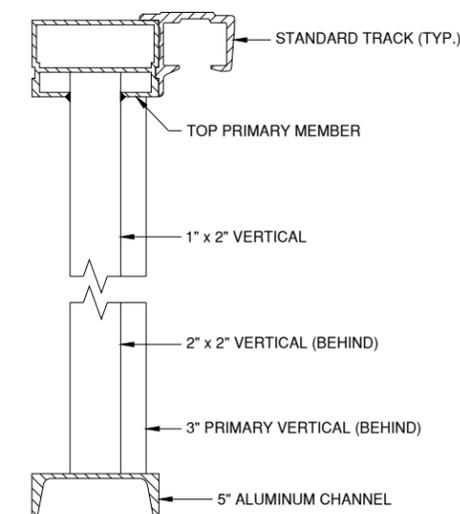
CATCH ASSEMBLY DETAIL



GATE HANGER ASSEMBLY

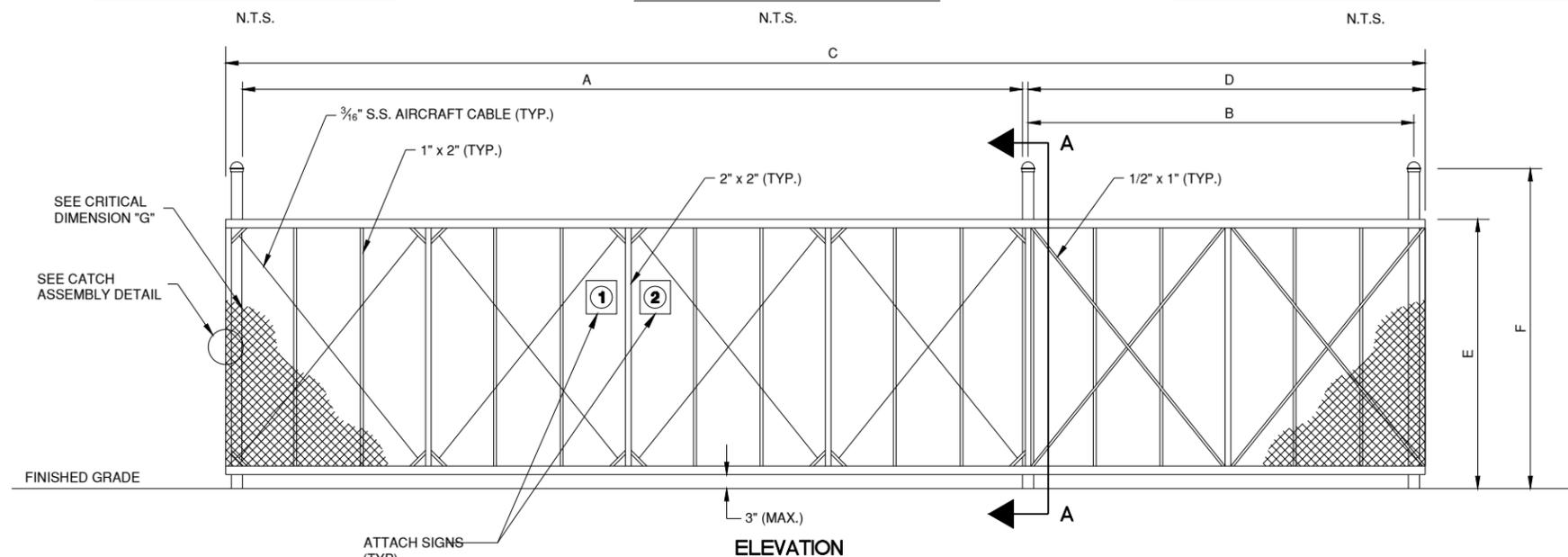


STANDARD BOTTOM GUIDE ASSEMBLY



GATE FRAME SECTION

N.T.S.



ELEVATION

CANTILEVER SLIDE GATE

N.T.S.

UL 325 COMPLIANCE NOTES

GATE INSTALLATION SHALL COMPLY WITH ALL REQUIREMENTS OF UL 325, INCLUDING, BUT NOT LIMITED TO:

- ALL OPENINGS OF THE SLIDE GATE ARE GUARDED OR SCREENED FROM THE BOTTOM OF THE GATE TO A MINIMUM OF 4 FEET ABOVE GROUND TO PREVENT A 2-1/4" DIAMETER SPHERE FROM PASSING THROUGH THE OPENINGS ANYWHERE IN THE GATE, AND IN THAT PORTION OF THE ADJACENT FENCE THAT THE GATE COVERS IN THE OPEN POSITION.
- ALL EXPOSED PINCH POINTS ARE ELIMINATED OR GUARDED AND GUARDING IS SUPPLIED FOR ALL EXPOSED ROLLERS.
- FOR ADDITIONAL UL 235 REQUIREMENTS FOR THIS GATE INSTALLATION, SEE ELECTRIC GATE DETAILS SHEET.
- A WARNING SIGN (SEE DETAIL, THIS SHEET) MUST BE AFFIXED TO BOTH SIDES OF THE SLIDE GATE, BOTH MANUAL AND ELECTRIC. COST INCIDENTAL TO GATE.

GENERAL NOTES:

- CANTILEVERED GATE SHALL BE SUFFICIENTLY RIGID TO WITHSTAND FLEXING OR BENDING DURING WINDY CONDITIONS. CONTRACTOR SHALL PROVIDE STIFFENERS, STRUCTURAL SHAPES IN EXCESS OF THE MINIMUM SPECIFIED DIMENSIONS OR ADDITIONAL ROLLERS AND POSTS SUFFICIENT TO PREVENT DISPLACEMENT OF THE GATE BY WIND OR BY UNAUTHORIZED PERSONNEL.
- CONTRACTOR SHALL PROVIDE AND INSTALL GATE AS A COMPLETE WORKING UNIT. THE GATE WORK SHALL INCLUDE, THE GATE, AND ALL CONNECTIONS, LABOR AND MATERIALS NECESSARY TO COMPLETE OPERATION.
- THE FABRIC TYPE AND FINISH OF THE GATE SHALL MATCH WITH THE PROPOSED FENCE OR AS DIRECTED BY THE ENGINEER.
- ALL PROPOSED SLIDING VEHICULAR GATES SHALL HAVE ENCLOSED TRUCK ASSEMBLIES, TYMETAL OR EQUAL.
- CONTRACTOR SHALL VERIFY TYPE OF ELECTRIC GATE OPERATOR TO BE COMPATIBLE WITH NEW OR EXISTING SLIDE GATE (COST INCIDENTAL).
- NEW GATE NEEDS TO BE CONNECTED TO GATE OPERATOR AND GATE SHALL BE IN ELECTRIC OPERATION (COST INCIDENTAL).
- LOCATION OF NEW GATE OPERATOR SHALL BE AS RECOMMENDED BY THE MANUFACTURER.

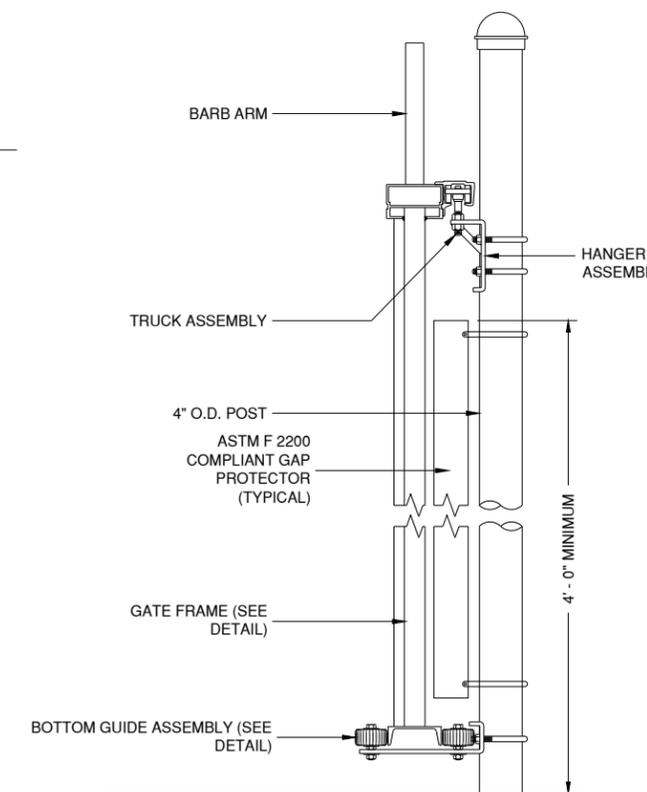


WARNING SIGN DETAIL

N.T.S.

NOTE

- SIGN SHALL BE INSTALLED ON BOTH SIDES OF MANUAL AND ELECTRIC GATES.



SECTION A-A

(TYPICAL ALL GATES)

NOTE:
EXTRUSIONS SHALL BE OVERSIZED FOR EXTRA RIGIDITY OVER "STANDARD" GATE DESIGN.

CRITICAL DIMENSIONS

		14'-0"	20'-0"	24'-0"	27'-0"
A	CLEAR OPENING	14'-0"	20'-0"	24'-0"	27'-0"
B	COUNTER BALANCE POST SPACING, CENTER TO CENTER	6'-1"	9'-1"	11'-1"	12'-7"
C	OVERALL GATE LENGTH	21'-0"	30'-0"	36'-0"	40'-6"
D	COUNTERBALANCE LENGTH	7'-0"	10'-0"	12'-0"	13'-6"
E	NOMINAL GATE HEIGHT	6'-0"	6'-0"	6'-0"	6'-0"
F	POST HEIGHT	7'-6"	7'-6"	7'-6"	7'-6"
G	FABRIC HEIGHT	5'-0"	5'-0"	5'-0"	5'-0"

STORM WATER POLLUTION PREVENTION NOTES

THE FOLLOWING IS TO ESTABLISHED BEST MANAGEMENT PRACTICES TO BE INCORPORATED IN THE PROJECT TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE WITH NPDES.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE EROSION WITHIN THE CONSTRUCTION SITE AND TO LIMIT SEDIMENTS FROM LEAVING THE SITE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN EROSION CONTROL FACILITIES SHALL BE INSTALLED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE INSTALLED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION DEPENDING ON THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL INSTALL PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A TIMEFRAME SPECIFIED HEREIN AND AS DIRECTED BY THE ENGINEER, THEREFORE MINIMIZING THE AMOUNT OF AREA SUSCEPTIBLE TO EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING, WHICH WILL BE THE CONTRACTOR'S COST. THE ENGINEER WILL DETERMINE IF ANY TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS, WHICH ARE NOT INCLUDED IN THIS PLAN, SHALL BE ADDED. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN ON THE PLANS.

SITE DESCRIPTION

THE FOLLOWING IS A DESCRIPTION OF THE CONSTRUCTION ACTIVITY WHICH IS THE SUBJECT OF THIS PLAN:

THIS PROJECT CONSISTS OF RECONSTRUCTING EXISTING HMA PAVEMENTS, PCC PAVEMENT REPLACEMENT, TOPSOIL PLACEMENT, SEEDING AND MULCHING AT AURORA MUNICIPAL AIRPORT.

THE FOLLOWING IS A DESCRIPTION OF THE INTENDED SEQUENCE OF MAJOR ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE, SUCH AS EXCAVATION AND GRADING:

1. INSTALL TEMPORARY EROSION CONTROL MEASURES.
2. INSTALL CONCRETE WASHOUT AT CONTRACTOR STAGING AREA.
3. REMOVE EXISTING SIDEWALK, CURB AND GUTTER AND PAVEMENT.
4. CONSTRUCT NEW SIDEWALK, CURB AND GUTTER AND PAVEMENT.
5. INSTALL SIGNS, PAVEMENT MARKINGS AND OTHER MISCELLANEOUS ITEMS.
6. PLACEMENT OF PERMANENT EROSION CONTROL, SUCH AS SEEDING AND MULCH IF REQUIRED.

AREA OF CONSTRUCTION SITE

THE TOTAL AREA OF THE CONSTRUCTION SITE THAT WILL BE DISTURBED BY EXCAVATION, GRADING AND OTHER ACTIVITIES IS LESS THAN ONE (1) ACRE.

DRAINAGE TRIBUTARIES AND SENSITIVE AREAS RECEIVING RUNOFF FROM THIS CONSTRUCTION SITE:

THE CONSTRUCTION SITE DRAINS INTO STORM SEWERS THAT OUTLET INTO THE WELCH CREEK.

SEDIMENTATION AND EROSION CONTROL NOTES

THE RESIDENT ENGINEER WILL PERFORM PERIODIC INSPECTION OF THE SITE TO IDENTIFY POTENTIAL SEDIMENT AND EROSION ISSUES.

ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES ARE REFERENCED FROM THE ILLINOIS URBAN MANUAL, UNLESS OTHERWISE STATED.

THE DRAWINGS, SPECIFICATIONS AND SPECIAL PROVISIONS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES INCLUDE SEEDING AND MULCHING AS DIRECTED BY THE ENGINEER. STABILIZATION MEASURES SHALL BE INITIATED WITHIN SEVEN (7) DAYS OF DISTURBANCE.

DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION:

DURING CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION LIMITS AS OUTLINED PREVIOUSLY HEREIN SHALL BE PROTECTED. THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING (EXCEPT AS DESCRIBED ON THE PLANS AND DIRECTED BY THE ENGINEER), PARKING OF VEHICLES OR CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS, OR OTHER CONSTRUCTION RELATED ACTIVITIES.

1. WITHIN THE CONSTRUCTION LIMITS, AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.
2. EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED, AT THE CONTRACTORS EXPENSE, IF THEY ARE TO REMAIN UNUSED FOR MORE THAN FOURTEEN DAYS.
3. AS CONSTRUCTION PROCEEDS, THE CONTRACTOR SHALL INSTITUTE THE FOLLOWING AS DIRECTED BY THE ENGINEER:
 - A. PLACE TEMPORARY EROSION CONTROL FACILITIES AT LOCATIONS SHOWN ON THE PLANS.
 - B. EXCAVATED AREAS AND EMBANKMENT AREAS SHALL BE PERMANENTLY SEEDED IMMEDIATELY AFTER FINAL GRADING. IF NOT, THEY SHALL BE TEMPORARILY SEEDED, AT THE CONTRACTOR'S COST, IF NO CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR SEVEN DAYS.
4. CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUTANT IN ACCORDANCE WITH EPA WATER QUALITY REGULATIONS. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
5. SEDIMENT COLLECTED DURING CONSTRUCTION OF THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF OFF SITE ON A REGULAR BASIS AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE INCIDENTAL TO THE COST OF THE PROJECT.
6. THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER USE IS NO LONGER NEEDED OR NO LONGER FUNCTIONING. THE COST OF THIS REMOVAL SHALL BE INCIDENTAL TO THE CONTRACT.

DESCRIPTION OF STRUCTURAL PRACTICES AFTER FINAL GRADING:

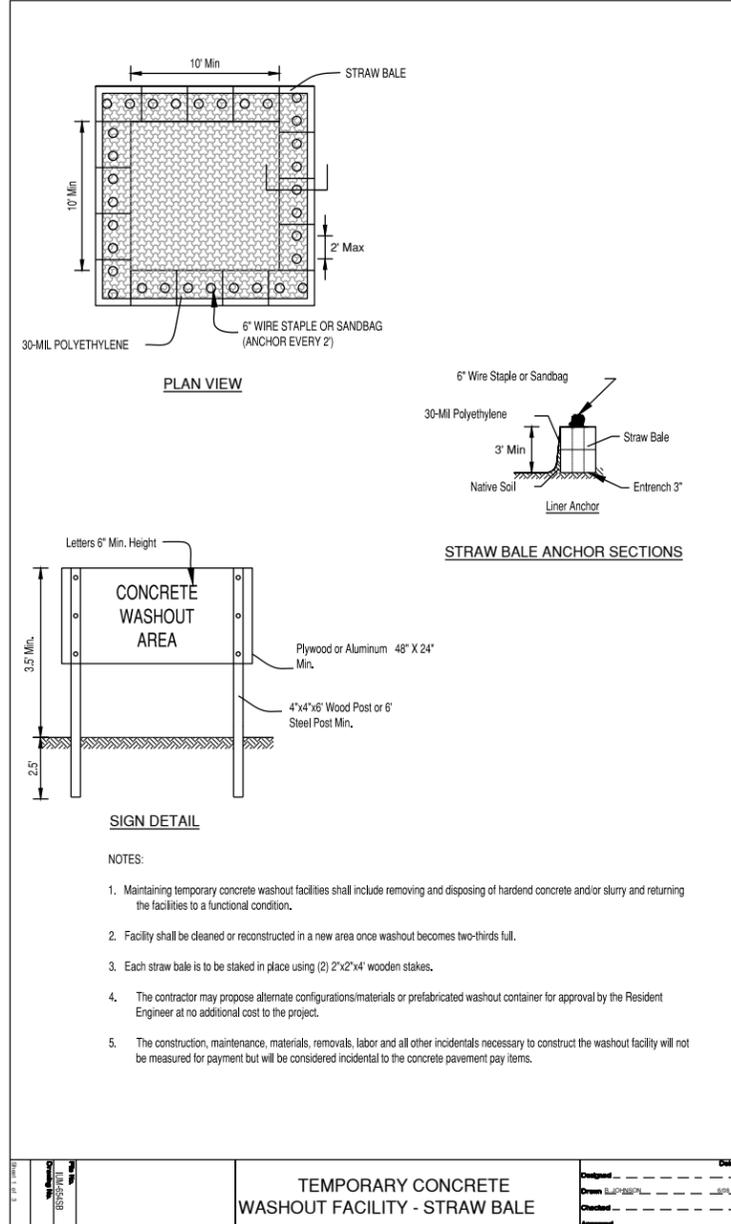
TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS ARE SEEDED AND ESTABLISHED.

ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP, AND DISTURBED TURF RESEEDED.

MAINTENANCE AFTER CONSTRUCTION

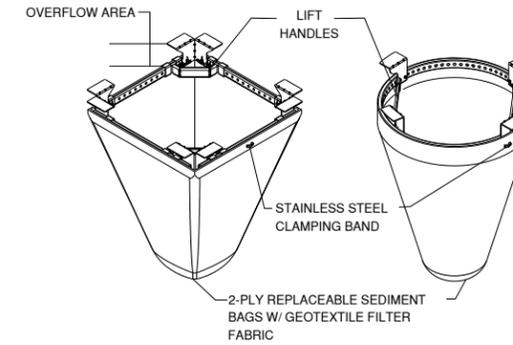
CONSTRUCTION IS COMPLETE AFTER FINAL ACCEPTANCE BY THE ILLINOIS DIVISION OF AERONAUTICS. MAINTENANCE UP TO THIS DATE WILL BE REQUIRED BY THE CONTRACTOR.

AUTOCAD2006



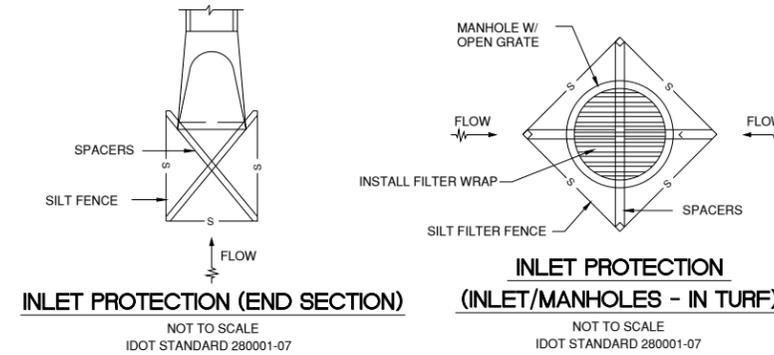
STAGING AND PROTECTION NOTES

1. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE STORM WATER POLLUTION PREVENTION DEVICES AT THE STAGING AREA. THESE DEVICES, INCLUDING INLET PROTECTIONS, SILT FENCE, BALES, DITCH CHECKS, STABILIZED CONSTRUCTION ENTRANCES, ETC., SHALL NOT BE PAID FOR, BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
2. AT THE COMPLETION OF WORK, THE STAGING AREA SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS, AT NO ADDITIONAL COST TO THE CONTRACT. THIS WORK SHALL INCLUDE REMOVING ANY AND ALL STORM WATER POLLUTION PREVENTION DEVICES, RESTORING RUTTED AREAS, SEEDING AND MULCHING.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE STAGING AREA(S) IN A MANNER TO PREVENT POLLUTION AND SILTATION OF THE EXISTING STORM SEWER SYSTEM.
4. ALL EQUIPMENT FUELING AND GREASING SHALL BE COMPLETED AT THE STAGING AREA. SPILLS SHALL BE IMMEDIATELY CONTAINED AND THE AREA CLEANED AT NO ADDITIONAL COST THE CONTRACT.



INLET PROTECTION - SILT BASKET (PAVEMENT AND TURF)

NOT TO SCALE
FOR ALL RECTANGULAR AND CIRCULAR INLETS



NOTES FOR INLET PROTECTION DETAILS

1. FILTER WRAP TO BE PLACED IN ALL SLOPE BOX INLETS, INLETS, MANHOLES, TRENCH DRAINS AND CATCH BASINS LOCATED IN PAVED AREAS AND NONPAVED AREAS.
2. FABRIC SHALL BE IN CONFORMANCE WITH ARTICLE 1080.03 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2016.
3. FABRIC SHALL OVERLAY FRAME BY 2" (MIN.).
4. CONTRACTOR SHALL CLEAR DEBRIS AND SILT AS REQUIRED FROM FABRIC TO MAINTAIN DRAINAGE THROUGH THE STRUCTURE.
5. FABRIC SHALL REMAIN IN PLACE UNTIL COMPLETION OF PAVEMENT REHABILITATION.
6. COST OF INLET PROTECTION, FILTER WRAP AND MAINTENANCE SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

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CONSULTANTS

FINAL

REHABILITATE AUTO PARKING LOTS AND ENTRANCE ROAD

SEPTEMBER 22, 2023



MARK DATE DESCRIPTION

IL PROJECT NO:	ARR-4544
CMT PROJECT NO:	21001658-00
CAD DWG FILE:	
DESIGNED BY:	STL
DRAWN BY:	JRO
CHECKED BY:	STL
APPROVED BY:	DLP
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SHEET TITLE

STORMWATER POLLUTION PREVENTION PLAN NOTES AND DETAILS



CONSULTANTS

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REHABILITATE AUTO PARKING LOTS AND ENTRANCE ROAD

SEPTEMBER 22, 2023



NOTES

1. THE LOCATION OF THE ELECTRIC GATE OPERATOR AND DETECTOR LOOPS ARE SHOWN FOR INFORMATION ONLY AND SHALL BE FIELD ADJUSTED PER THE MANUFACTURES RECOMMENDATION.
2. NEW GATE OPERATOR SHALL BE ENERGIZED WITH THE SAME VOLTAGE AND PHASE AS THE EXISTING GATE OPERATOR. CONTRACTOR SHALL COORDINATE WITH THE GATE MANUFACTURER. FIELD VERIFY EXISTING POWER SOURCE AND PROVIDE REQUIRED GATE OPERATOR.
3. THE MINIMUM BURIAL DEPTH FOR CONDUIT SHALL BE 30-INCH BELOW FINISHED GRADE.
4. NO DIRECT BURIED CABLES WILL BE ALLOWED IN THE INSTALLATION OF THE GATE OPERATOR.
5. EXISTING POWER CABLES TO THE EXISTING GATE OPERATOR SHALL REMAIN AND BE USED TO ENERGIZE THE NEW GATE OPERATOR. FIELD VERIFY VOLTAGE AND NO. OF PHASES FOR EXISTING CIRCUIT.
6. CONTRACTOR SHALL REMOVE AND REPLACE EXISTING DISCONNECT. CONNECT EXISTING POWER CONDUIT / CONDUCTORS TO NEW DISCONNECT. INSTALL NEW CONDUIT / CONDUCTORS BETWEEN NEW DISCONNECT AND GATE OPERATOR.
7. EXISTING GATE OPERATOR FOUNDATION SHALL BE COMPLETELY REMOVED FOR THE INSTALLATION OF A NEW GATE OPERATOR FOUNDATION. GATE OPERATOR LOCATION SHALL BE COORDINATED WITH THE GATE MANUFACTURER TO REMAIN IN THE SAME LOCATION.
9. EXISTING GOOSENECK STAND SHALL REMAIN. DIGITAL KEYPAD SHALL BE REPLACED AND PROGRAMMED WITH THE AIRPORT GATE PASSCODE. CONTRACTOR SHALL MODIFY EXISTING GOOSENECK STAND AS REQUIRED FOR NEW KEYPAD.
10. NEW KEYPAD SHALL MOUNT TO THE EXISTING GOOSENECK STAND. DIGITAL KEYPAD SHALL BE SELF CONTAINED, WEATHERPROOF AND VANDAL RESISTANT, HAVE A BACKLIT KEYS WITH THE ABILITY TO PROGRAM CODES FROM 4 TO 8 DIGITS.
11. REPLACE EXISTING CABLE BETWEEN THE GATE OPERATOR AND DIGITAL KEYPAD ON GOOSENECK STAND.
12. NEW DISCONNECT SHALL BE MOUNTED TO THE SAME STRUCTURE AS THE EXISTING. DISCONNECT AND MOUNTING HARDWARE SHALL BE REPLACED.
13. AIRSIDE DETECTOR LOOP SHALL BE USED FOR FREE EXIT.
14. EXISTING SLIDE GATE TO REMAIN. RETROFIT NEW GATE OPERATOR TO NEW GATE. COORDINATE INSTALLATION WITH GATE OPERATOR MANUFACTURER.
15. CONTRACTOR SHALL FIELD VERIFY EXISTING CABLE / CONDUIT FOR CONNECTION. NO ADDITIONAL COMPENSATION WILL BE PROVIDED AND THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
16. IT IS THE INTENT TO REUSE EXISTING SAW KERF IN PCC PAVEMENT WHERE POSSIBLE. CONTRACTOR SHALL SALVAGE EXISTING SAW KERF FOR NEW DETECTOR LOOPS INSTALLATION IF THE EXISTING SAW KERF IS IN GOOD CONDITION. COST INCIDENTAL TO THE NEW GATE OPERATOR.
17. SAW KERF IN ASPHALT PAVEMENT SHALL BE REPLACED. COST INCIDENTAL TO THE NEW GATE OPERATOR.

CABLE / CONDUIT LEGEND

1. 2-#4 (THWN), 1-#10 GND IN 2" RGS CONDUIT. EXISTING POWER FEED TO REMAIN.
2. 2-#3 (THWN), 1-#12 GND IN 2" RGS CONDUIT. EXISTING POWER FEED TO REMAIN.
3. 3-#10 (XLP-USE), 1-#10 GND IN 2" PVC CONDUIT. EXISTING POWER FEED TO REMAIN.
4. NEW 4/C #16 TWISTED SHIELDED PAIR CABLE OR AS REQUIRED BY KEYPAD MANUFACTURER IN EXISTING CONDUIT.

MARK	DATE	DESCRIPTION

IL PROJECT NO: ARR-4544

CMT PROJECT NO: 21001658-00

CAD DWG FILE:

DESIGNED BY: CT

DRAWN BY: CT

CHECKED BY: AB

APPROVED BY: DLP

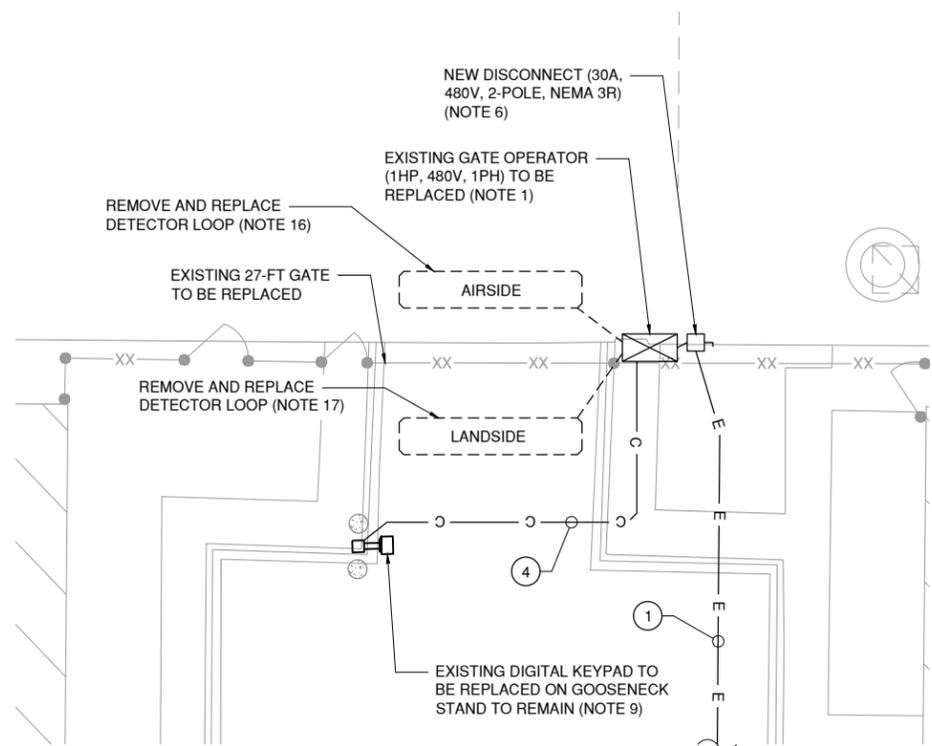
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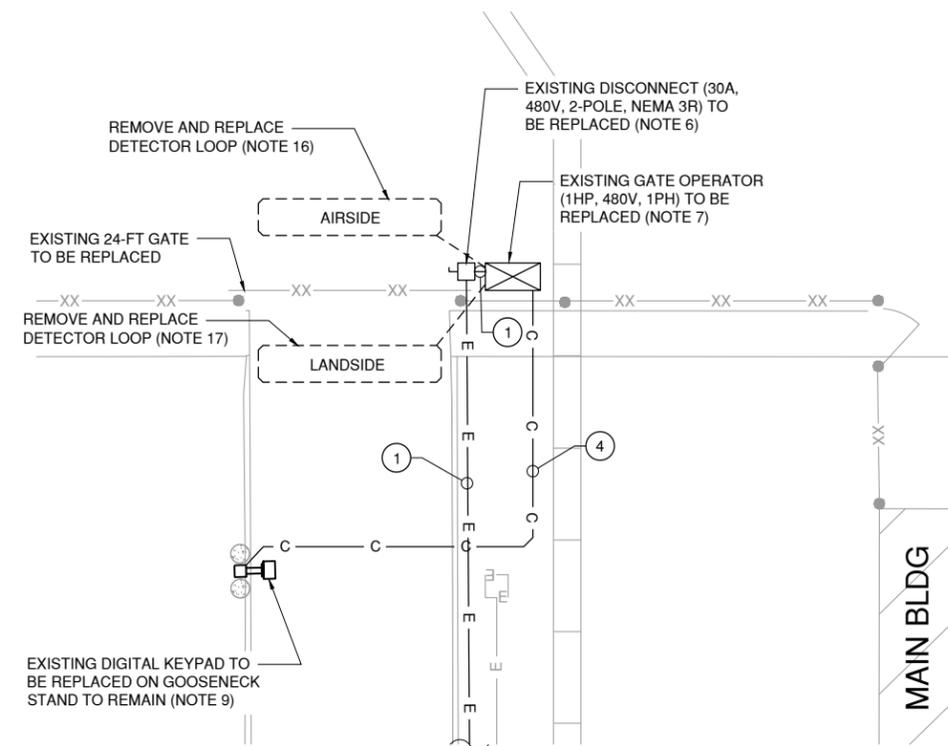
ELECTRICAL PLAN - 1

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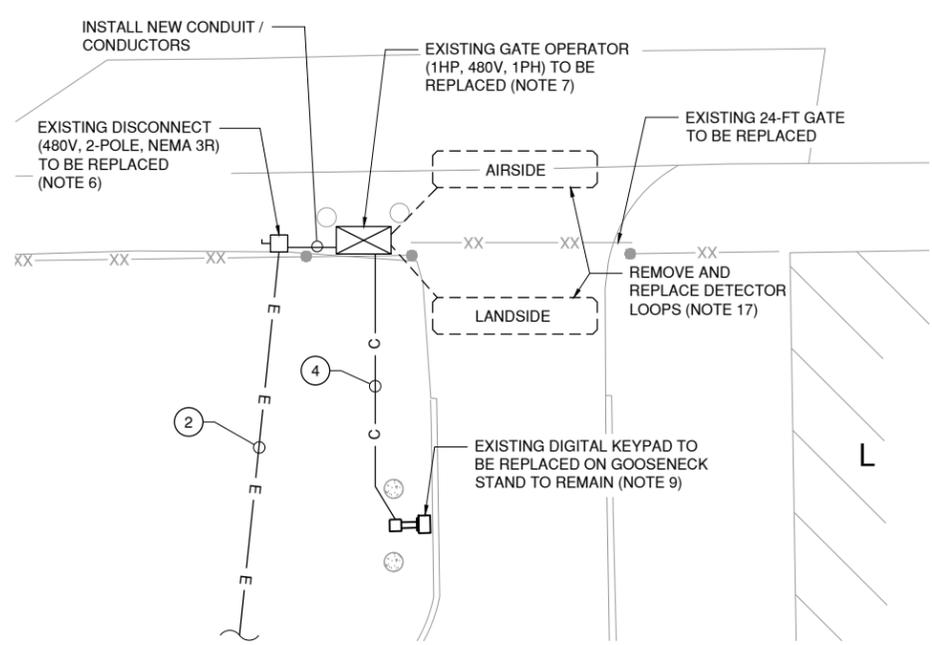
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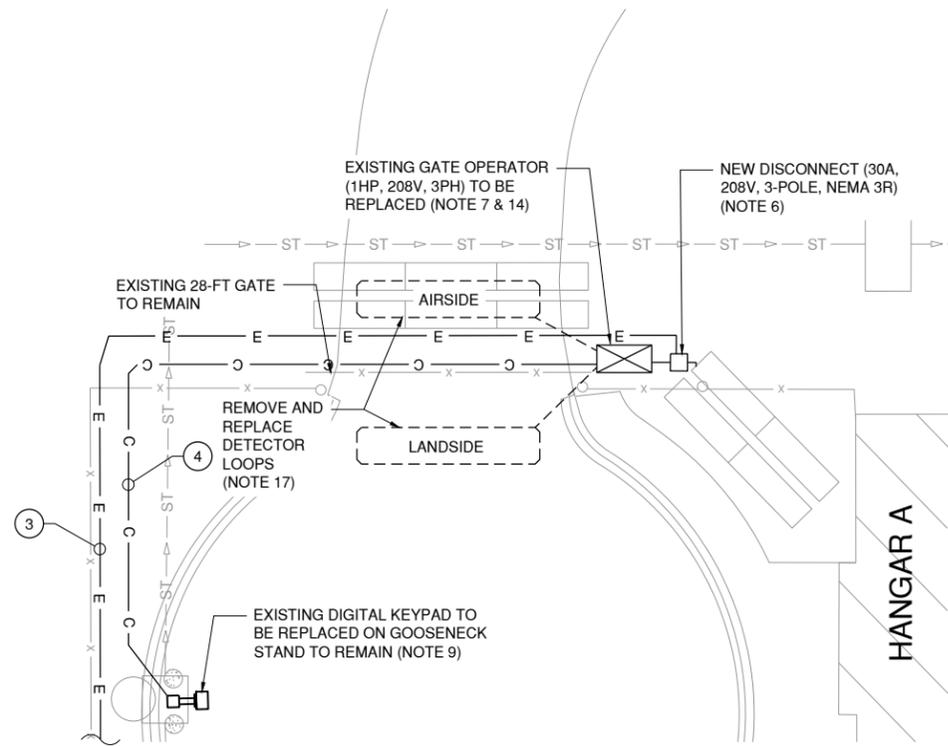
1 GATE HANGAR C
SCALE: 1"= 10'



2 GATE S1
SCALE: 1"= 10'



3 GATE S6
SCALE: 1"= 10'



4 GATE HANGAR A
SCALE: 1"= 10'

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CONSULTANTS

FINAL

REHABILITATE AUTO PARKING LOTS AND ENTRANCE ROAD

SEPTEMBER 22, 2023



MARK	DATE	DESCRIPTION

IL PROJECT NO: ARR-4544

CMT PROJECT NO: 21001658-00

CAD DWG FILE:

DESIGNED BY: CT

DRAWN BY: CT

CHECKED BY: AB

APPROVED BY: DLP

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SHEET TITLE

ELECTRICAL PLAN - 2

BASE BID

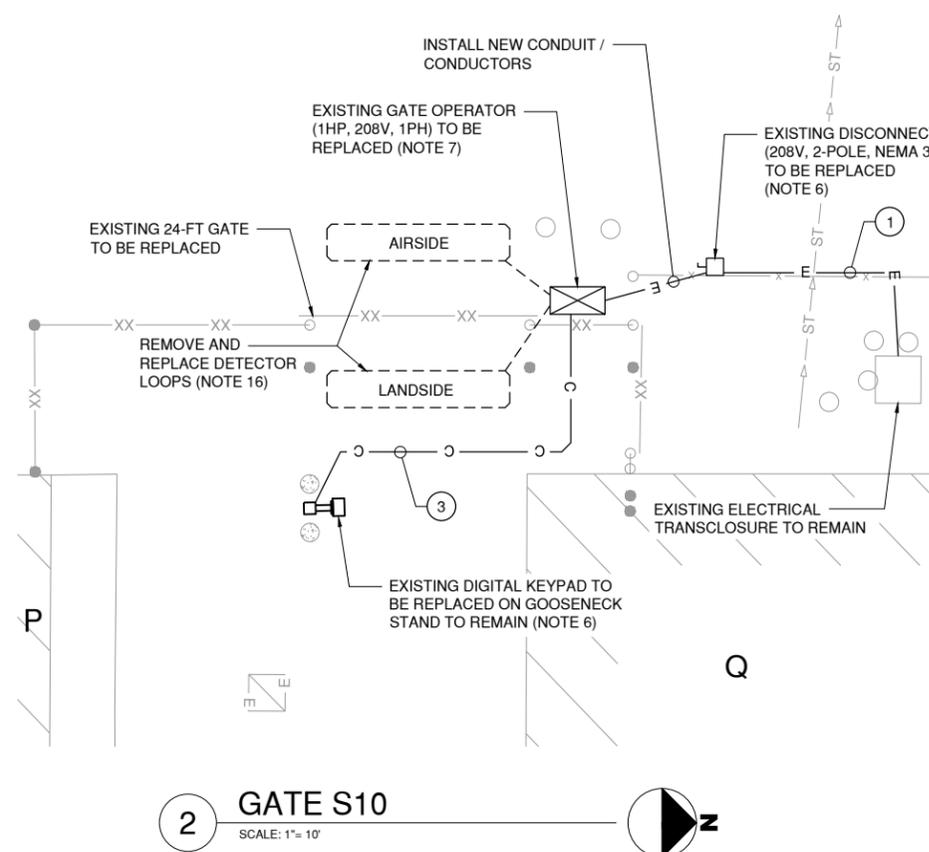
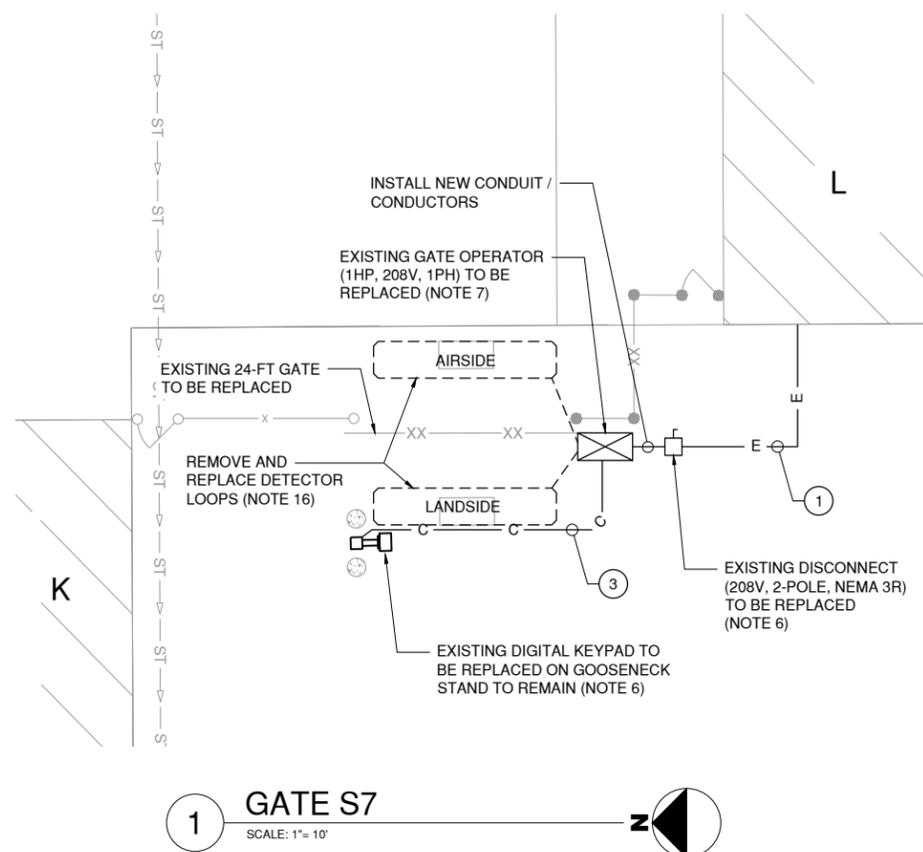
SHEET 35 OF 34

NOTES

- THE LOCATION OF THE ELECTRIC GATE OPERATOR AND DETECTOR LOOPS ARE SHOWN FOR INFORMATION ONLY AND SHALL BE FIELD ADJUSTED PER THE MANUFACTURERS RECOMMENDATION.
- NEW GATE OPERATOR SHALL BE ENERGIZED WITH THE SAME VOLTAGE AND PHASE AS THE EXISTING GATE OPERATOR. CONTRACTOR SHALL COORDINATE WITH THE GATE MANUFACTURER. FIELD VERIFY EXISTING POWER SOURCE AND PROVIDE REQUIRED GATE OPERATOR.
- THE MINIMUM BURIAL DEPTH FOR CONDUIT SHALL BE 30-INCH BELOW FINISHED GRADE.
- NO DIRECT BURIED CABLES WILL BE ALLOWED IN THE INSTALLATION OF THE GATE OPERATOR.
- EXISTING POWER CABLES TO THE EXISTING GATE OPERATOR SHALL REMAIN AND BE USED TO ENERGIZE THE NEW GATE OPERATOR. FIELD VERIFY VOLTAGE AND NO. OF PHASES FOR EXISTING CIRCUIT.
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- EXISTING SLIDE GATE TO REMAIN. RETROFIT NEW GATE OPERATOR TO NEW GATE. COORDINATE INSTALLATION WITH GATE OPERATOR MANUFACTURER.
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- SAW KERF IN ASPHALT PAVEMENT SHALL BE REPLACED. COST INCIDENTAL TO THE NEW GATE OPERATOR.

CABLE / CONDUIT LEGEND

- FIELD VERIFY (NOTE 15)
- 4-#8 (THWN), 2-#12 GND IN 2" RGS CONDUIT. EXISTING CIRCUIT TO REMAIN.
- NEW 4/C #16 TWISTED SHIELDED PAIR CABLE OR AS REQUIRED BY KEYPAD MANUFACTURER IN EXISTING CONDUIT.



GATE OPERATOR REPLACEMENT SCHEDULE								
GATE	MOTOR	VOLTAGE	PHASE	NEW DISCONNECT	REPLACE KEYPAD	REPLACE GOOSENECK	REPLACE LOOPS	COMMENTS
HANGAR C	1HP	480V	1PH	Y	Y	N	Y	FIELD VERIFY POWER REQUIREMENTS
S1	1HP	208V	1PH	Y	Y	N	Y	FIELD VERIFY POWER REQUIREMENTS
S6	1HP	480V	1PH	Y	Y	N	Y	FIELD VERIFY POWER REQUIREMENTS
HANGAR A	1HP	208V	3PH	Y	Y	N	Y	FIELD VERIFY POWER REQUIREMENTS
S7	1HP	208V	1PH	Y	Y	N	Y	FIELD VERIFY POWER REQUIREMENTS
S10	1HP	208V	1PH	Y	Y	N	Y	FIELD VERIFY POWER REQUIREMENTS