



CONSTRUCTION PLANS FOR TOMBSTONE MUNICIPAL AIRPORT

TOMBSTONE, ARIZONA

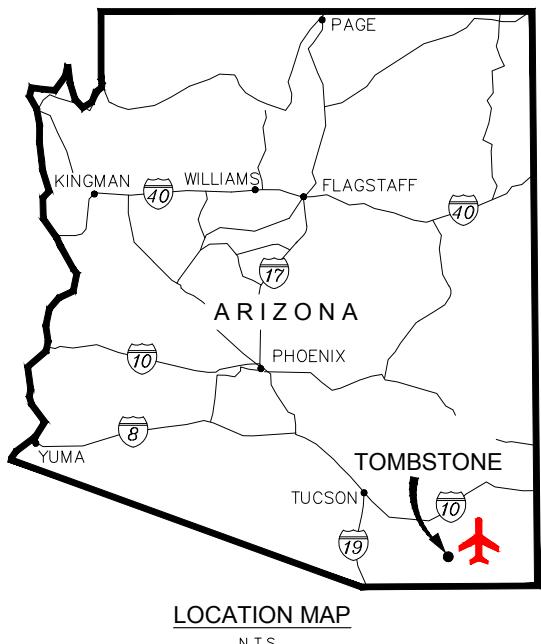
191991004 Tombstone Access and Parking Lot

ADOT GRANT NO. E4S3G01C

SEPTEMBER 25, 2025

GENERAL PROJECT DESCRIPTION:

K:\PHX-Aviation\191991004 Tombstone Access and Parking Lot\CADD\191991004CV.dwg Sep 24, 2025 Ernmo.Gatke
XREFS: x191991004TB x191991002VS x191991002VF
THE DOCUMENT TO BE USED WITH THE CONTRACTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE CONTRACTOR AND DESIGNER TO USE. IT IS NOT TO BE USED FOR ANY OTHER PURPOSE, AND CREDIT FOR WHICH IT WAS PREPARED, IF USE IS MADE OF IT, SHALL BE LIMITED TO THE CONTRACTOR AND DESIGNER, INC.



COORDINATION LIST

OWNER/DEVELOPER:

CITY OF TOMBSTONE
PO BOX 339
613 E. ALLEN ST.
TOMBSTONE, AZ 85638
520-266-2294
ATTN: JESS GRASSMAN, AIRPORT MANAGER

ENGINEER:

KIMLEY-HORN AND ASSOCIATES, INC.
1001 W. SOUTHERN AVE, SUITE 131
MESA, AZ 85210
602-906-1185
ATTN: BRANDON ROBINSON

WWW.KIMLEY-HORN.COM

BENCHMARK:

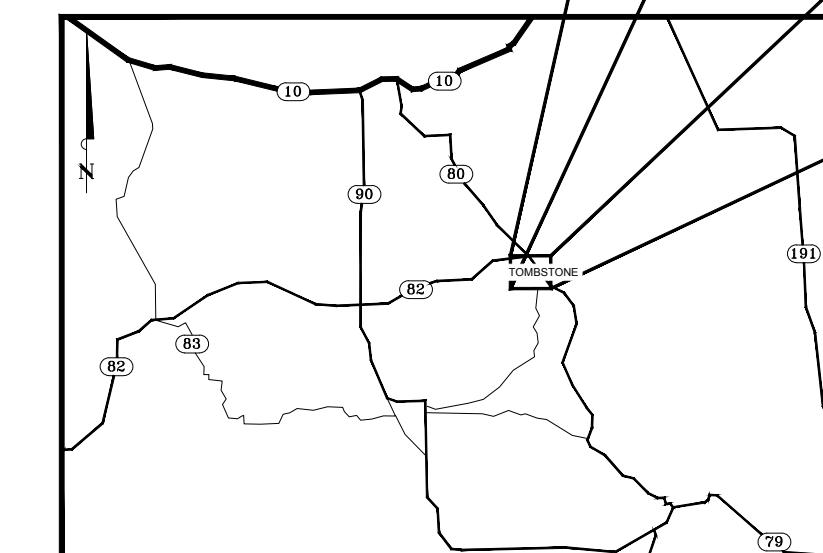
HORIZONTAL DATUM IS NAD83 AND THE VERTICAL DATUM IS NAVD88. ALL COORDINATES IN U.S. SURVEY FEET.

GROUND TO GRID FACTOR: 1.000145

BASIS OF BEARING:

BASIS OF BEARING FOR THIS PROJECT IS A STRAIGHT LINE BETWEEN A 1" BRASS CAPPED PIN AT THE SOUTH-WEST END OF RUNWAY 6-24 TO A 1" BRASS CAPPED PIN AT THE NORTH-EAST END OF RUNWAY 6-24. SAID BEARING BEING S 59°58'22" W.

BASIS OF ELEVATION FOR THIS PROJECT IS PRIMARY CONTROL STATION "P08A", POINT NO. 1 SAID ELEVATION BEING 1566.72 INT. FT. (NAVD 88)



VICINITY MAP
N.T.S.

Sheet List Table	
Sheet Number	Sheet Title
C1.1	COVER SHEET
C1.2	NOTES & LEGEND
C1.3	PROJECT LAYOUT PLAN
C1.4	STORMWATER POLLUTION PREVENTION PLAN
C2.1	DEMOLITION PLAN
C3.1	PAVING PLAN
C3.2	TYPICAL SECTIONS
C4.1	ROADWAY PLAN & PROFILE
C4.2	ROADWAY PLAN & PROFILE
C5.1	MARKING AND SIGNAGE PLAN
C6.1	DETAILS

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7740 North 16th Street, Suite 300
Phoenix, Arizona 85020 (602) 944-5500



DATE: 05/20/2024
TOMBSTONE MUNICIPAL AIRPORT
CITY OF TOMBSTONE
TOMBSTONE, AZ 85638
2015 AZ 88
TOMBSTONE, AZ 85638
DATE: 05/20/2024



TOMBSTONE MUNICIPAL AIRPORT
ACCESS ROAD AND PARKING LOT
COVER SHEET

PROJECT NO.
191991004

DRAWING NAME
191991004CV.dwg

C1.1
SHEET NO. 1 OF 11



GENERAL NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION OF ALL TOMBSTONE MUNICIPAL AIRPORT PROPERTY, AND SHALL PROTECT FROM DAMAGE OR DISTURBANCE, ALL LAND MONUMENTS AND PROPERTY MARKERS. IF DAMAGED OR INJURED DURING THE WORK, THE CONTRACTOR SHALL RESTORE, AT HIS OWN EXPENSE, SUCH PROPERTY TO A CONDITION EQUAL TO THAT EXISTING BEFORE SUCH DAMAGE OR INJURY WAS DONE, BY REPAIRING, REBUILDING OR RESTORING AS DIRECTED BY AND TO THE SATISFACTION OF THE ENGINEER.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND/OR THE SURVEYOR PROVIDING THE CONSTRUCTION LAYOUT TO COMPARE THE SITE CONDITIONS WITH THE PLANS AND NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES OBSERVED. SHOULD ANY GRADE OR DESIGN INDICATED ON THE PLANS BE SUSPECT, THE ENGINEER SHALL BE NOTIFIED OF SAID AREA AT LEAST FORTY-EIGHT HOURS BEFORE CONSTRUCTION IS SCHEDULED TO BEGIN ON THE AFFECTED AREA. IF THE ENGINEER IS NOT NOTIFIED PRIOR TO THE START OF CONSTRUCTION OF THE AFFECTED AREA, ANY DISCREPANCIES SHALL BE DEEMED TO BE THE RESPONSIBILITY OF THE CONTRACTOR AND/OR SURVEYOR AND WILL NOT BE PAID FOR BY CHANGE ORDER.
- ACCESS/HAUL ROUTES – HAUL ROUTES ON THE AIRPORT SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER OR ON SITE AIRPORT REPRESENTATIVE. ON-SITE HAUL ROUTES WILL BE MAINTAINED BY THE CONTRACTOR AND SHALL BE RESTORED TO THEIR ORIGINAL CONDITION UPON COMPLETION OF BEING USED AS A HAUL ROUTE. DRAINAGE, GRADING OR OTHER WORK NECESSARY TO CONSTRUCT HAUL ROUTES ON THE AIRPORT IS THE CONTRACTOR'S RESPONSIBILITY AND MUST BE APPROVED BY THE ENGINEER PRIOR TO ANY WORK. THE CONTRACTOR SHALL NOT ENTER ONTO ANY AREA OUTSIDE OF THE LIMITS OF GRADING, STAGING AREAS OR DESIGNATED ACCESS/HAUL ROUTES WITHOUT THE WRITTEN APPROVAL BY THE ENGINEER.
- STAGING AREA – A CONTRACTOR'S STAGING AREA IS PROVIDED AS SHOWN ON THE PROJECT LAYOUT PLAN. THE CONTRACTOR WILL BE REQUIRED TO COORDINATE WITH THE TOMBSTONE MUNICIPAL AIRPORT ON THE PRECISE LOCATION AND LIMITS OF ANY ADDITIONAL STAGING AREAS IF NEEDED.
- EXISTING UTILITY LOCATIONS, AS SHOWN ON THESE PLANS, WERE COMPILED BASED ON INFORMATION AVAILABLE TO THE ENGINEER. UTILITY LOCATIONS ARE APPROXIMATE AND ARE NOT INTENDED TO BE EXACT OR COMPLETE. THE CONTRACTOR SHALL NOTIFY THE BLUE STAKE CENTER (1-800-782-5348) AND THE CITY OF TOMBSTONE AT LEAST 48 HOURS IN ADVANCE BEFORE DIGGING.
- THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL EXISTING UTILITIES AND THE PROTECTION AND REPAIR OF DAMAGE TO THEM. THE CONTRACTOR SHALL POTHOLE IF NECESSARY IN AREAS OF SHALLOW OR CONGESTED UTILITIES TO VERIFY EXACT LOCATIONS OF UTILITIES AS REQUIRED DURING CONSTRUCTION ACTIVITIES. ANY UTILITIES ENCOUNTERED WHICH ARE NOT SHOWN SHALL BE NOTED ON THE AS-BUILT. COST OF POTHOLING IS INCIDENTAL TO THE CONTRACT.
- SAWCUTTING OF PAVEMENT SHALL BE REQUIRED FOR PAVEMENT REMOVAL IN EVERY LOCATION WHERE NEW PAVEMENT MUST MATCH EXISTING PAVEMENT.
- LOCATION OF THE CONTRACTOR'S ENTRANCES, HAUL ROUTES AND STAGING AREA SHALL BE AS SHOWN ON SHEET C1.3.

QUANTITIES

Item No.	Specification Number	Bid Item Description	Quantity	Unit
1	ADOT 106	Contractor Quality Control	1	LS
2	ADOT 810	Storm Water Pollution Prevention	1	LS
3	ADOT 901	Mobilization/Demobilization	1	LS
4	ADOT 202	Remove and Salvage Existing Fence and Gate	50	LF
5	ADOT 902	Installation of Temporary Construction Fence and Gate	80	LF
6	ADOT 925	Construction Surveying and Layout	1	LS
7	ADOT 202	Sawcut and Removal of Bituminous Pavement	10	SY
8	ADOT 201	Clearing and Grubbing	0.3	AC
9	ADOT 203	Excavation and Removal of Existing Soils	59	CY
10	ADOT 203	Fill with Select Material	16	CY
11	ADOT 205	Compacted Subgrade - 6" Depth	840	SY
12	ADOT 303	Aggregate Base Course	140	CY
13	ADOT 415	Asphalt Mix Pavement	160	TONS
14	ADOT 908	6" Vertical Curb	250	LF
15	ADOT 305	Controlled Low Strength Material	6	CY
16	ADOT 708	White Pavement Markings	70	SF
17	ADOT 706	In-pavement 2-Way Plastic Reflectors	32	EA
18	ADOT 902	Installation of Salvaged Fence and Gate	50	LF

ABBREVIATIONS

ABAND	ABANDONED	MIRL	MEDIUM INTENSITY RUNWAY LIGHTS
ABC	AGGREGATE BASE COURSE	MITL	MEDIUM INTENSITY TAXIWAY LIGHTS
AC	ADVISORY CIRCULAR OR ASPHALTIC CONCRETE	ML	MONUMENT LINE
ACI	AMERICAN CONCRETE INSTITUTE	N	NORTH
AHD	AHEAD	NE	NORTHEAST
AIP	AIRPORT IMPROVEMENT PROGRAM	NEC	NATIONAL ELECTRIC CODE
ALP	AIRPORT LAYOUT PLAN	NEMA	NATIONAL ELECTRICAL MANUFACTURES ASSOCIATION
ALS	APPROACH LIGHT SYSTEM	NPIAS	NATIONAL PLAN OF INTEGRATED AIRPORT SYSTEMS
AOA	AIR OPERATIONS AREA	NAVAID	NAVIGATIONAL AID
APPROX	APPROXIMATE	NDB	NON-DIRECTIONAL BEACON
APS	ARIZONA PUBLIC SERVICE	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	NIC	NOT IN CONTRACT
ATCT	AIR TRAFFIC CONTROL TOWER	NO	NUMBER
AWOS	AUTOMATED WEATHER OBSERVATION SYSTEM	NOTAM	NOTICE TO AIRMEN
BK	BACK	NP	NON-PLASTIC
BM	BENCH MARK	NPI	NON-PRECISION INSTRUMENT/NON-PAY ITEM
BT	BASIC TRANSPORT	NTP	NOTICE TO PROCEED
BU	BASIC UTILITY	NTS	NOT TO SCALE
BVC	BEGIN VERTICAL CURVE	NW	NORTHWEST
BVCE	BEGIN VERTICAL CURVE ELEVATION	OC	ON CENTER
BVCS	BEGIN VERTICAL CURVE STATION	OD	OUTSIDE DIAMETER
CFR	CRASH, FIRE, AND RESCUE AND CODE OF FEDERAL REGULATIONS	OSHA	OCUPATIONAL SAFETY AND HEALTH ACT
CFS	CUBIC FEET PER SECOND	PAPI	PRECISION APPROACH PATH INDICATOR
CIP	CAST IRON PIPE	PC	POINT OF CURVATURE
CIPP	CAST-IN-PLACE CONCRETE PIPE	PCC	PORTLAND CEMENT CONCRETE OR POINT OF COMPOUND CURVE
CL	CENTERLINE	PI	POINT OF INTERSECTION OR PLASTICITY INDEX
CLR	CLEARANCE	PL	PROPERTY LINE
CMP	CORRUGATED METAL PIPE	POC	POINT ON CURVE
CPT	CONTROL POINT	PP	POWER POLE
CY	CUBIC YARDS	PRC	POINT OF REVERSE CURVE
DIA	DIAMETER	PROPOSED	PROPOSED
DIP	DUCTILE IRON PIPE	PSI	POUNDS PER SQUARE INCH
E	EAST OR ELECTRICAL FEATURE	PT	POINT OF TANGENCY
EA	ENVIRONMENTAL ASSESSMENT OR EACH ELEVATION	PVC	POLYVINYL CHLORIDE
EL	ELEVATION	PVMT	POINT OF VERTICAL INTERSECTION
EOP	EDGE OF PAVEMENT	R	RADIUS
EVC	END VERTICAL CURVE	RCP	REINFORCED CONCRETE PIPE
EVCE	END VERTICAL CURVE ELEVATION	REIL	RUNWAY END IDENTIFIER LIGHTS
EVCS	END VERTICAL CURVE STATION	RGRCP	RUBBER GASKETED REINFORCED CONCRETE PIPE
EX	EXISTING	RP	RADIUS POINT
EXIST	EXISTING	RSA	RUNWAY SAFETY AREA
FAA	FEDERAL AVIATION AGENCY (ADMINISTRATION)	RW	RIGHT-OF-WAY
FAR	FEDERAL AVIATION REGULATION	R/W	RUNWAY
FBO	FIXED BASE OPERATOR	RWY	RUNWAY
FH	FIRE HYDRANT	RT	RIGHT
FL	FLOWLINE	SD	SLOPE OR SOUTH
FOD	FOREIGN OBJECT DAMAGE/DEBRIS	SE	SOUTH
FPS	FEET PER SECOND	SEC	SECTION
GA	GENERAL AVIATION OR GAUGE	SF	SEMI-FLUSH OR SQUARE FEET
GB	GRADE BREAK	SHT	SHEET
GALV	GALVANIZED	SPA	SPACING
GR	GRATE ELEVATION	SPEC	SPECIFICATIONS
GT	GENERAL TRANSPORT	SRP	SALT RIVER PROJECT
GU	GENERAL UTILITY	STA	STATION
HORIZ	HORIZONTAL	STD	STANDARD
HP	HIGH POINT	SW	SOUTHWEST
IE	INVERT ELEVATION	SY	SQUARE YARD
IFR	INSTRUMENT FLIGHT RULES	TSA	TAXIWAY SAFETY AREA
ILS	INSTRUMENT LANDING SYSTEM	T/W	TAXIWAY
INT	INTERSECTION	TWY	TAXIWAY
IR	IRON ROD	UL	UNDERWRITERS LABORATORY
IRRIG	IRRIGATION	UTIL	UTILITY
JT	JOINT	VAR	VARIABLE
KV	KILOVOLT	VASI	VISUAL APPROACH SLOPE INDICATOR
LF	LINEAR FEET	VC	VERTICAL CURVE
LS	LUMP SUM	VERT	VERTICAL
LT	LEFT	VFR	VISUAL FLIGHT RULES
MAG	MARICOPA ASSOCIATION OF GOVERNMENTS	VPI	VERTICAL POINT OF INTERSECTION
MAX	MAXIMUM	W	WEST
MBE	MINORITY BUSINESS ENTERPRISE	WF	WELDED
MGW	MAXIMUM GROSS WEIGHT	WV	WIRE FABRIC
MH	MANHOLE	WV	WATER VALVE
MIN	MINIMUM		

LEGEND

— — — — —	CENTERLINE/SURVEY LINE
— — — — —	PROPOSED EDGE OF STRUCTURAL PAVEMENT
— — — — —	EXISTING EDGE OF STRUCTURAL PAVEMENT
— — — — —	EXISTING CULVERT/PIPE
— — — — —	PROPOSED CULVERT/PIPE
— — — — —	APPROXIMATE LIMIT OF GRADING
— — — — —	GRADE BREAK
— — — — —	DRAINAGE DITCH/SWALE
— — — — —	EXISTING CHAIN LINK FENCE
— — — — —	EXISTING CONTOUR
— — — — —	PROPOSED CONTOUR
— — — — —	BORING LOG CORE LOCATION
— — — — —	PROPOSED SPOT ELEVATION
○○○○○	HAUL ROUTE
○○○○○	LOW PROFILE BARRICADES

TOMBSTONE MUNICIPAL AIRPORT ACCESS ROAD AND PARKING LOT NOTES & LEGEND

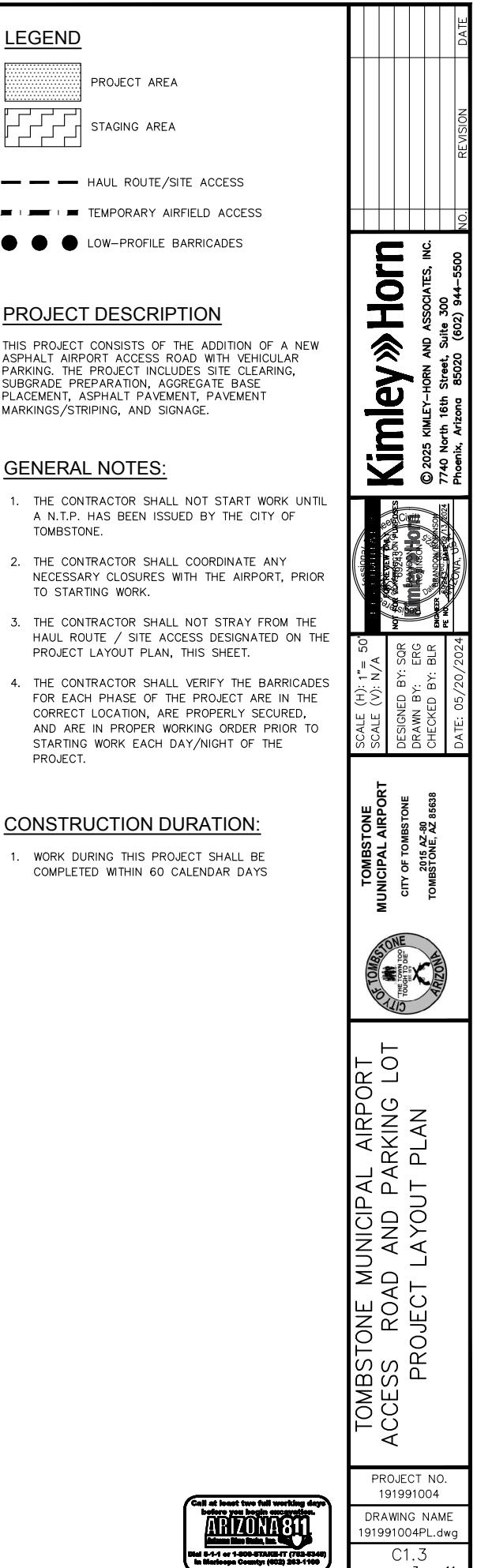
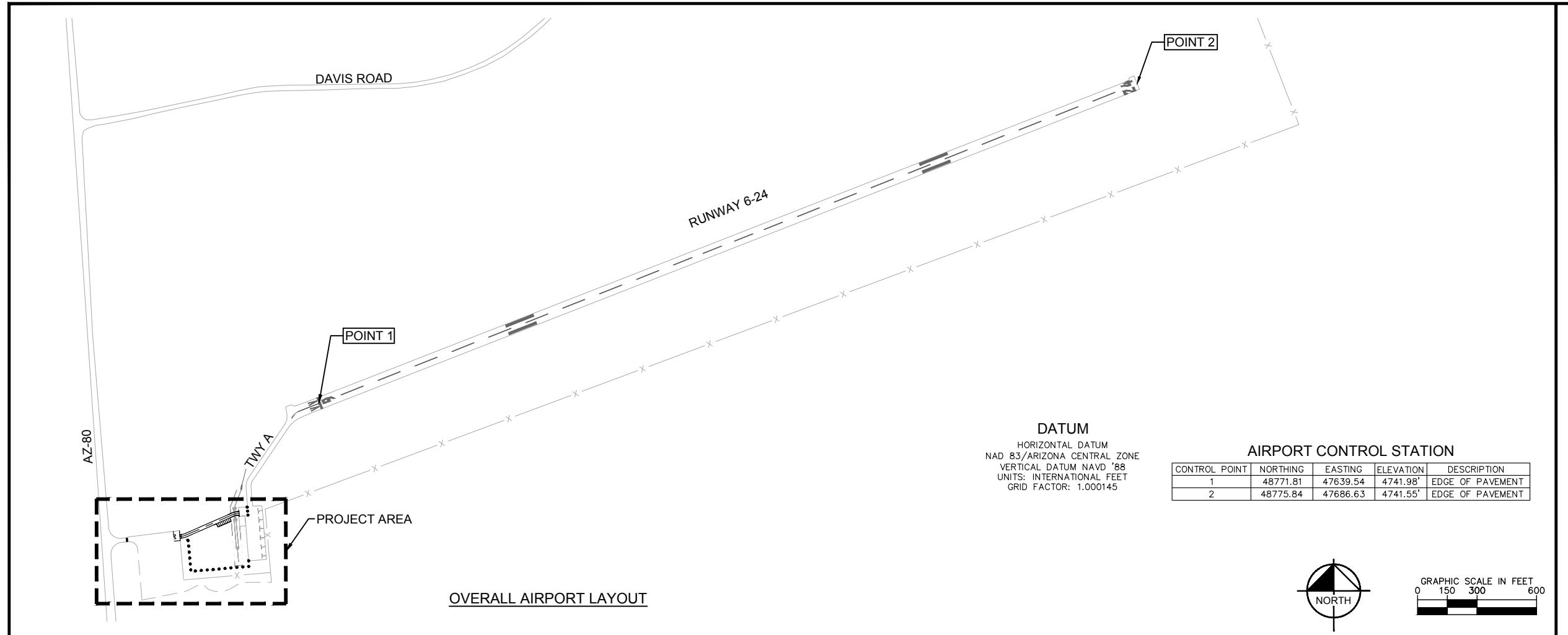
PROJECT NO.
191991004
DRAWING NAME
191991004NT.DWG
C1.2
SHEET NO. 2 OF 11

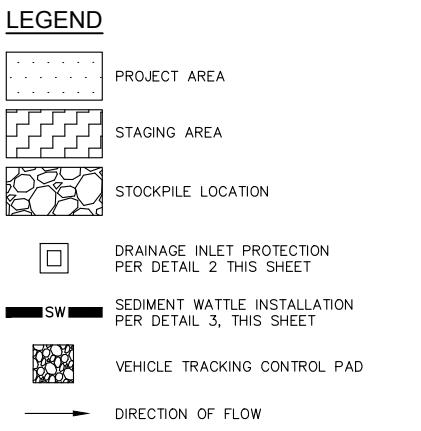
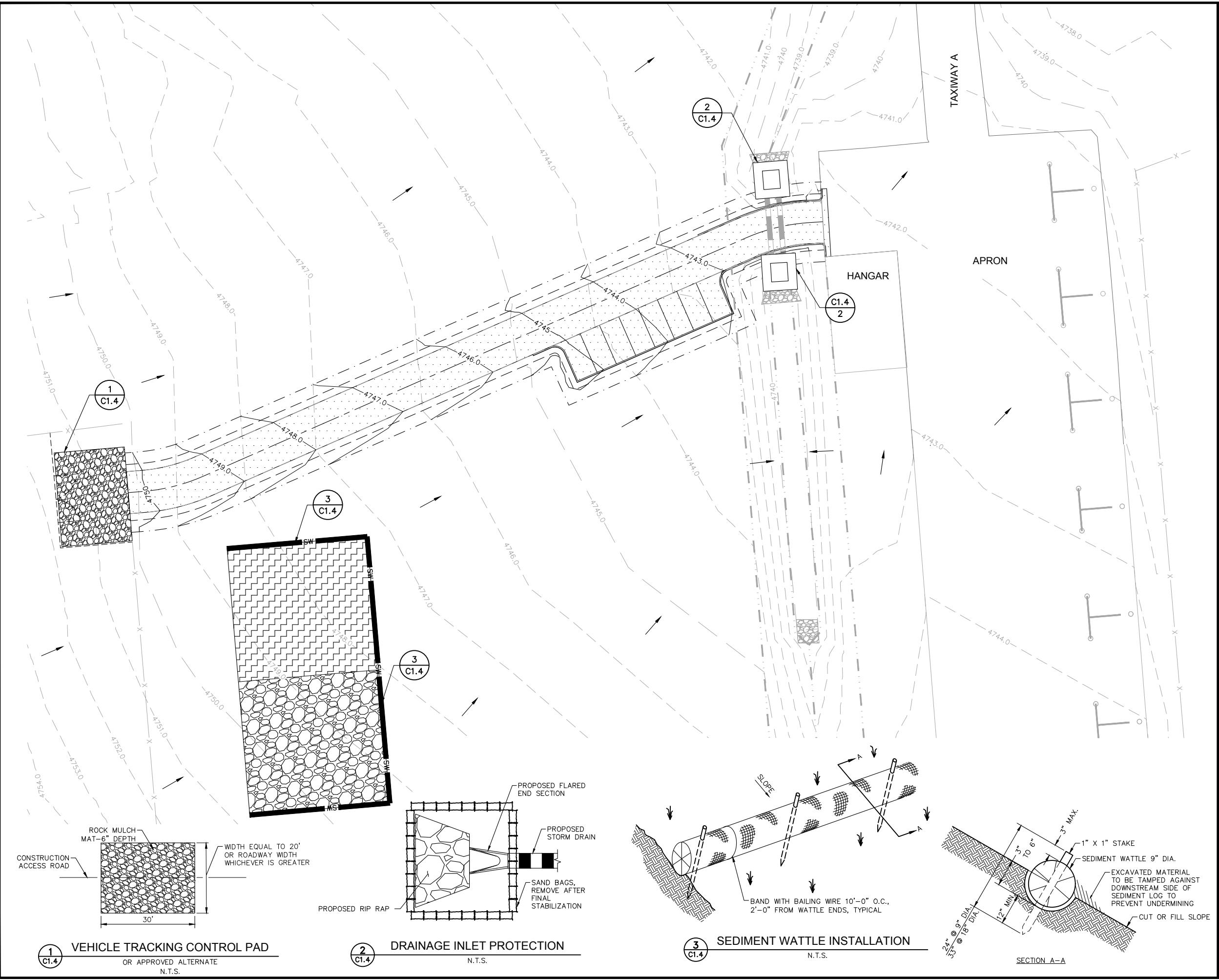
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Phoenix, Arizona 85020 (602) 944-5560

DESIGNER BY: SQR
DRAWN BY: ERG
CHECKED BY: BUR
DATE: 05/20/2024

TOMBSTONE MUNICIPAL AIRPORT
CITY OF TOMBSTONE
TOMBSTONE, AZ 85386
2015 A2 80
TOMBSTONE, AZ 85386

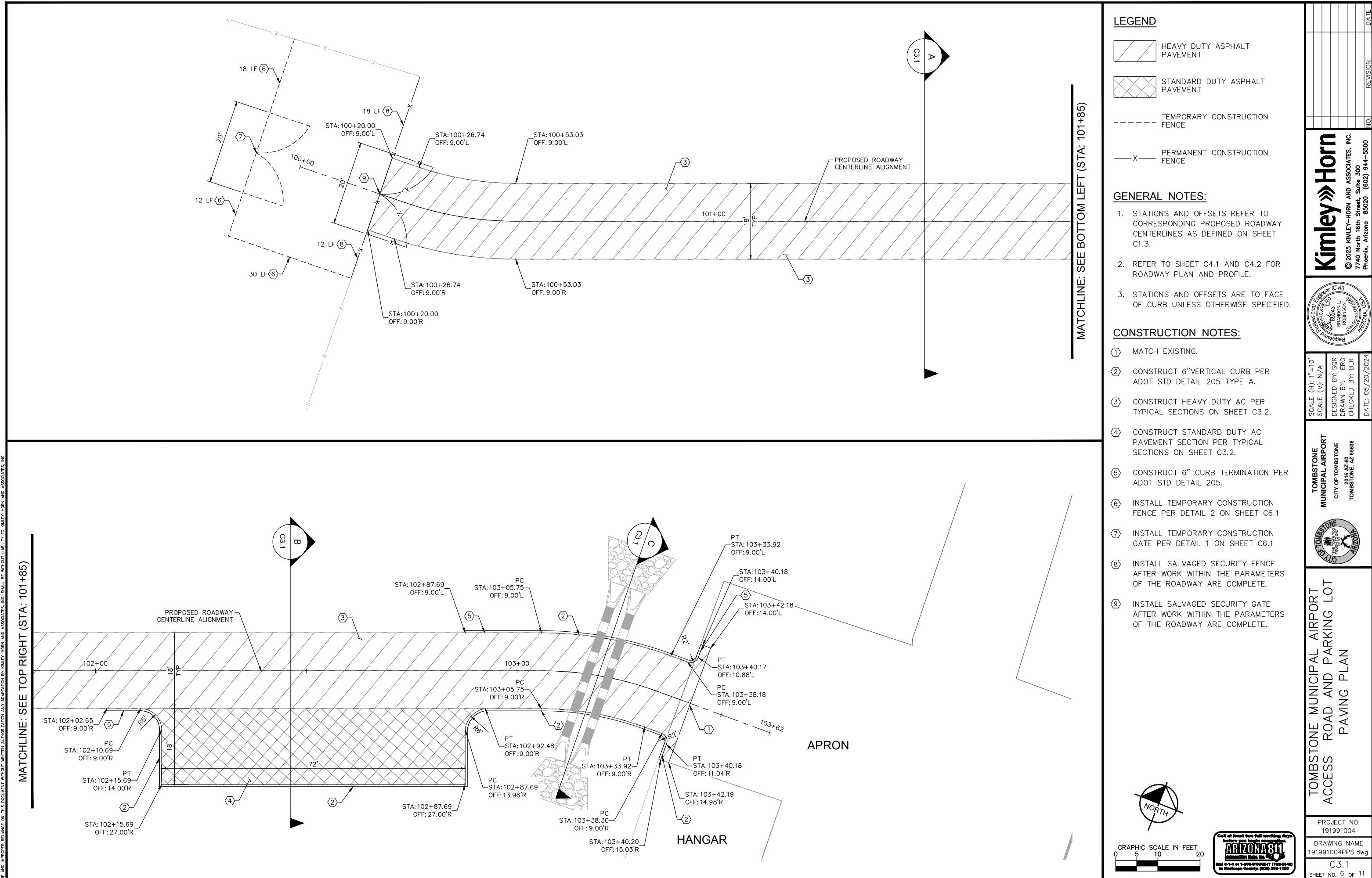
Call at least two full working days
before you begin work.
ARIZONA 811
Arizona 811, Inc.
800.424.8111
Mail 8-1 or 1-800-872-8487 (752-6348)
in Maricopa County: (480) 263-1960

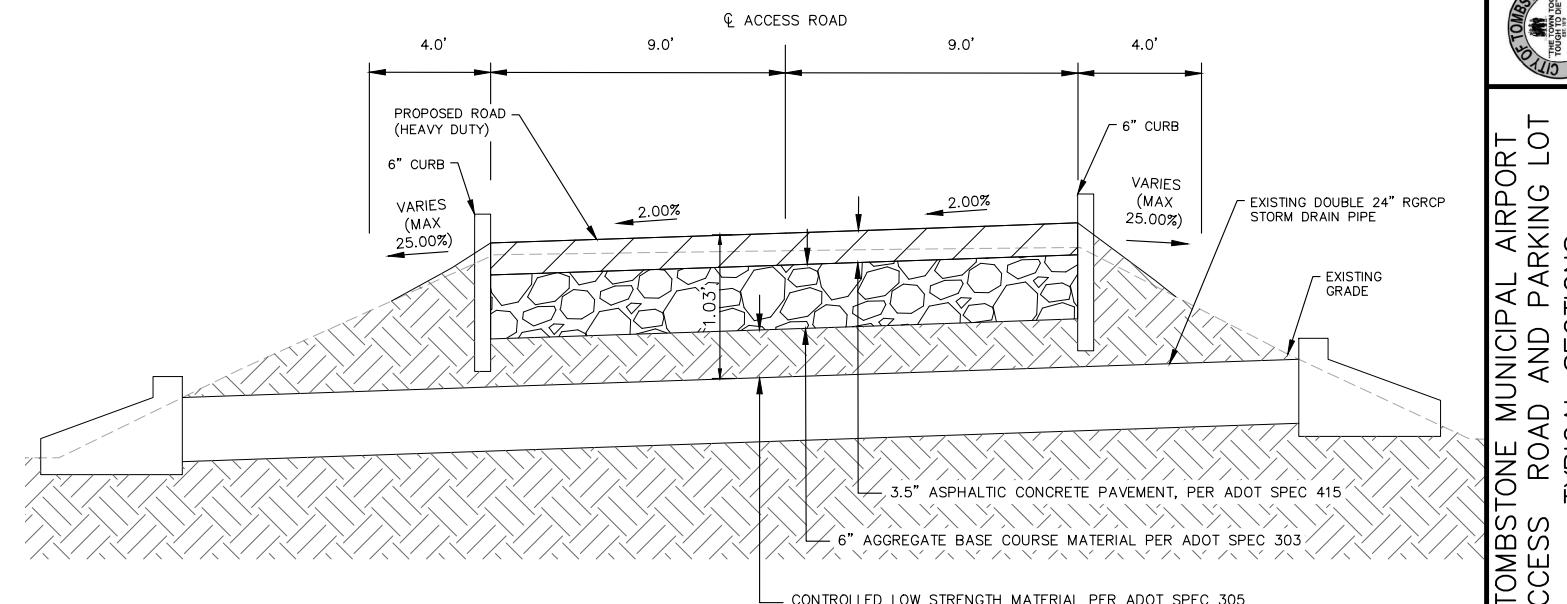
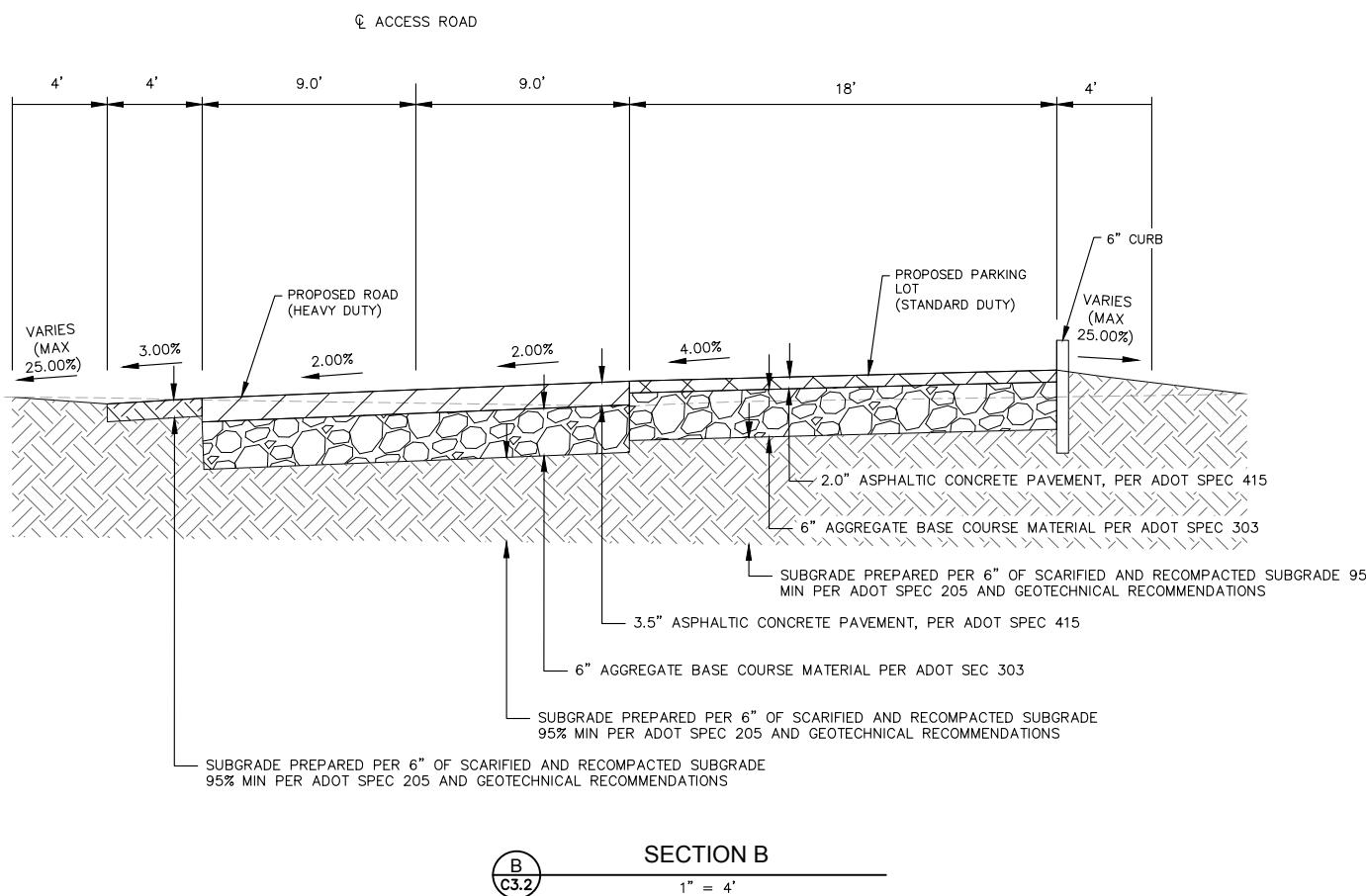
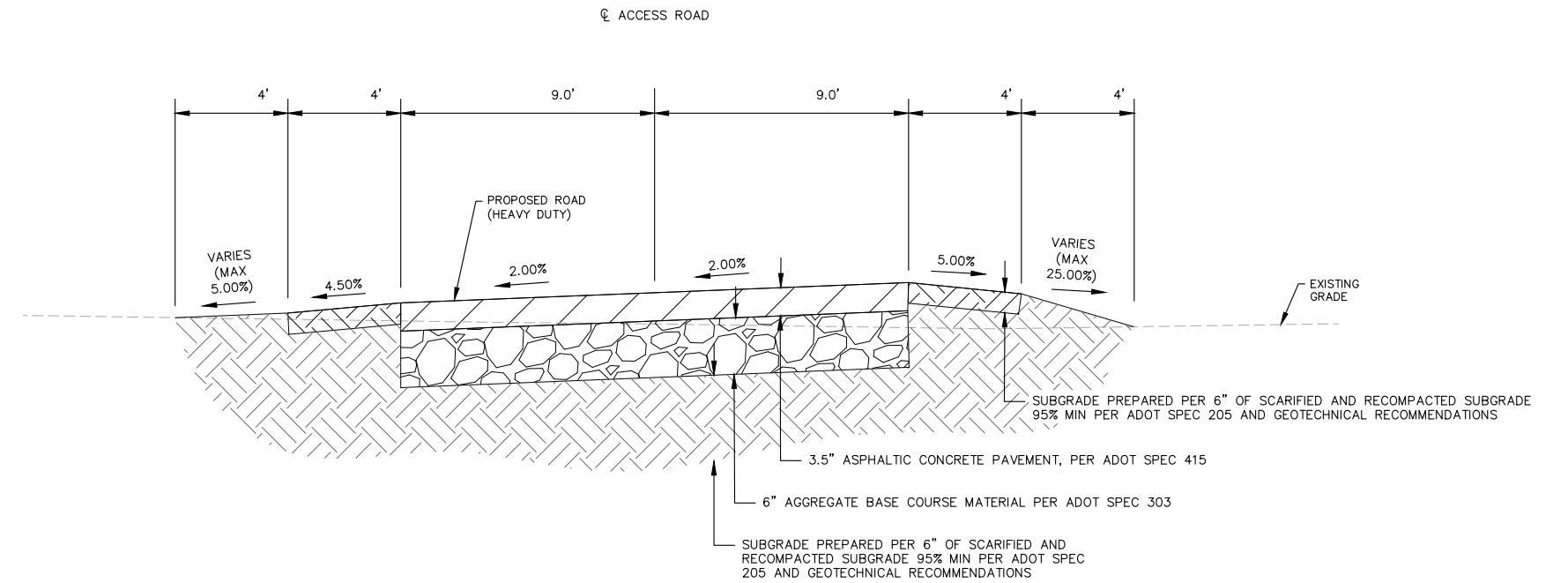




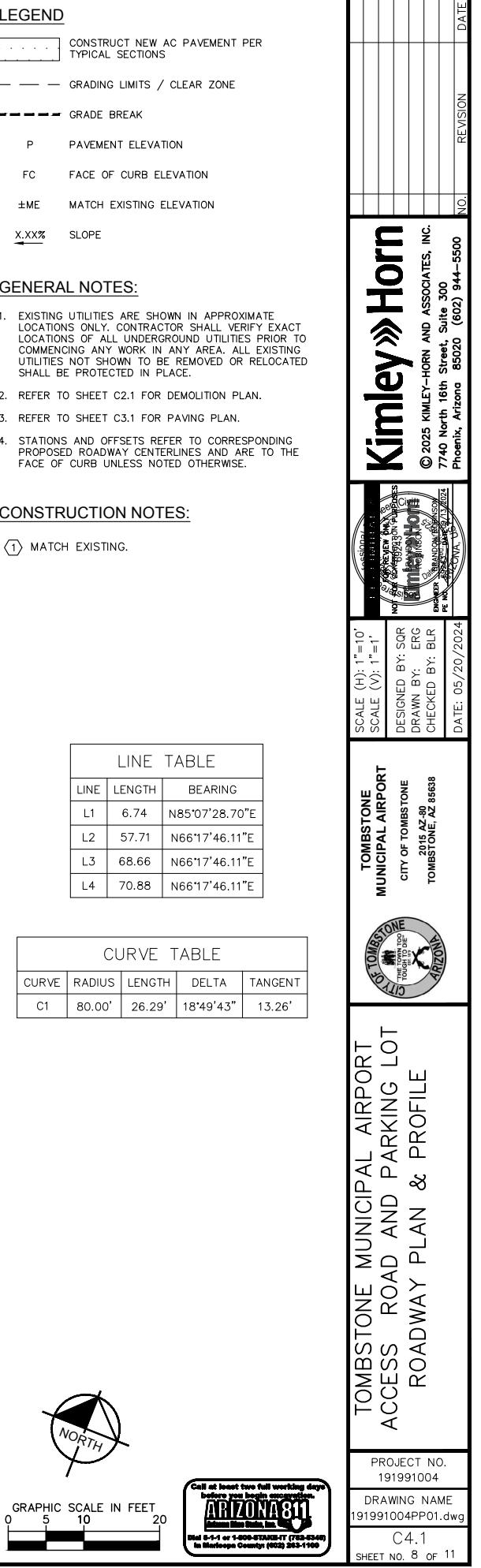
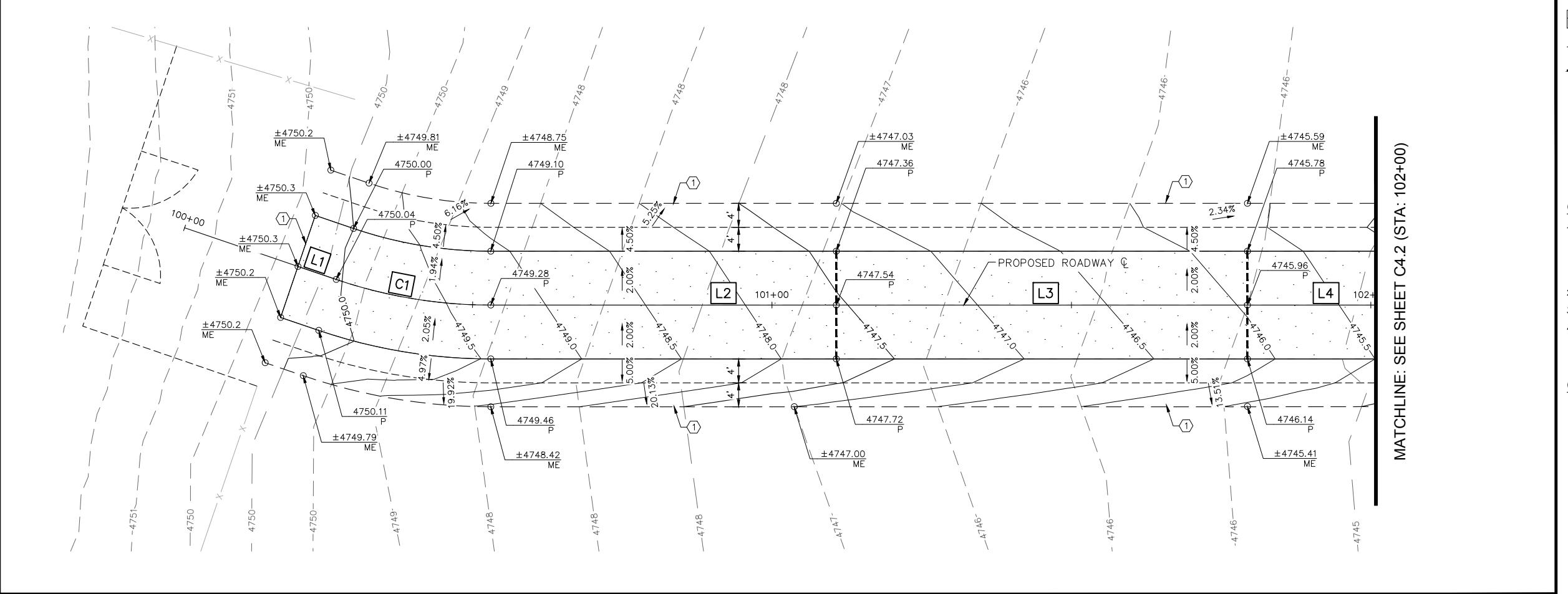
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Professional Engineer Civil BRANDON L. ROBINSON State Certified ARIZONA, USA Tombstone, AZ 85638	DATE: 05/20/2024

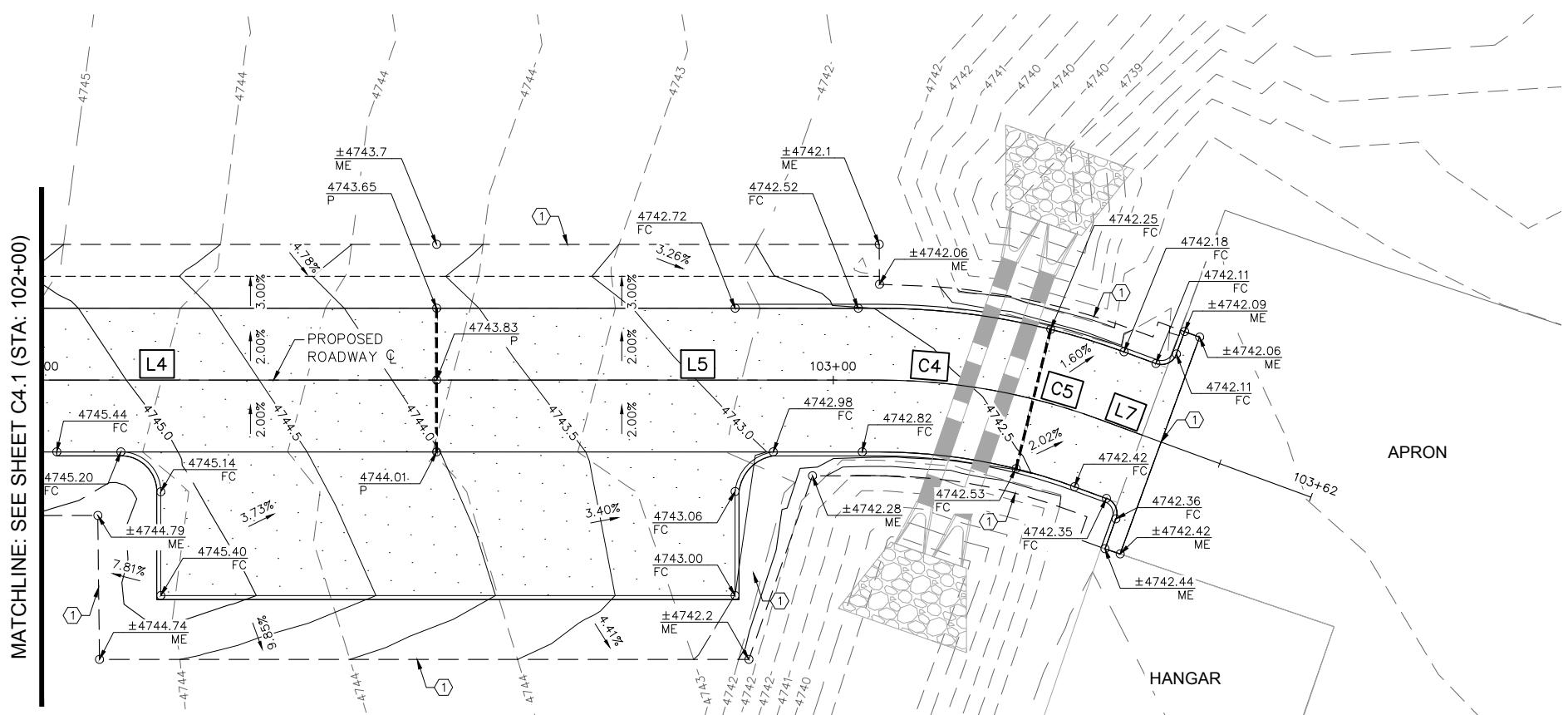
TOMBSTONE MUNICIPAL AIRPORT ACCESS ROAD AND PARKING LOT STORMWATER POLLUTION PREVENTION PLAN	
TOMBSTONE MUNICIPAL AIRPORT	SCALE (H): 1"-20'
CITY OF TOMBSTONE	SCALE (V): N/A
2015 A2 80 TOMBSTONE, AZ 85638	DESIGNED BY: SQR DRAWN BY: ERG CHECKED BY: BUR
PROJECT NO. 191991004	DATE: 05/20/2024
Arizona 811 Call at least two full working days before you dig 811-424-2444	DRAWING NAME 91991004SWPP.dwg
Call 8-1-1 or 1-800-872-4447 (752-6348) in Maricopa County: (480) 263-1960	C1.4 SHEET NO. 4 OF 11





SECTION C





MATCHLINE: SEE SHEET C4.1 (STA: 102+00)

LINE TABLE	
LENGTH	BEARING
70.88	N66°17'46.11"E
55.49	N66°17'46.11"E
8.27	N86°27'28.30"E

LEGEND

CONSTRUCT NEW AC PAVEMENT PER
 TYPICAL SECTIONS

— — — GRADING LIMITS / CLEAR ZONE

- - - - - GRADE BREAK

P	PAVEMENT ELEVATION
FC	FACE OF CURB ELEVATION
±ME	MATCH EXISTING ELEVATION
<u>X,XX%</u>	SLOPE

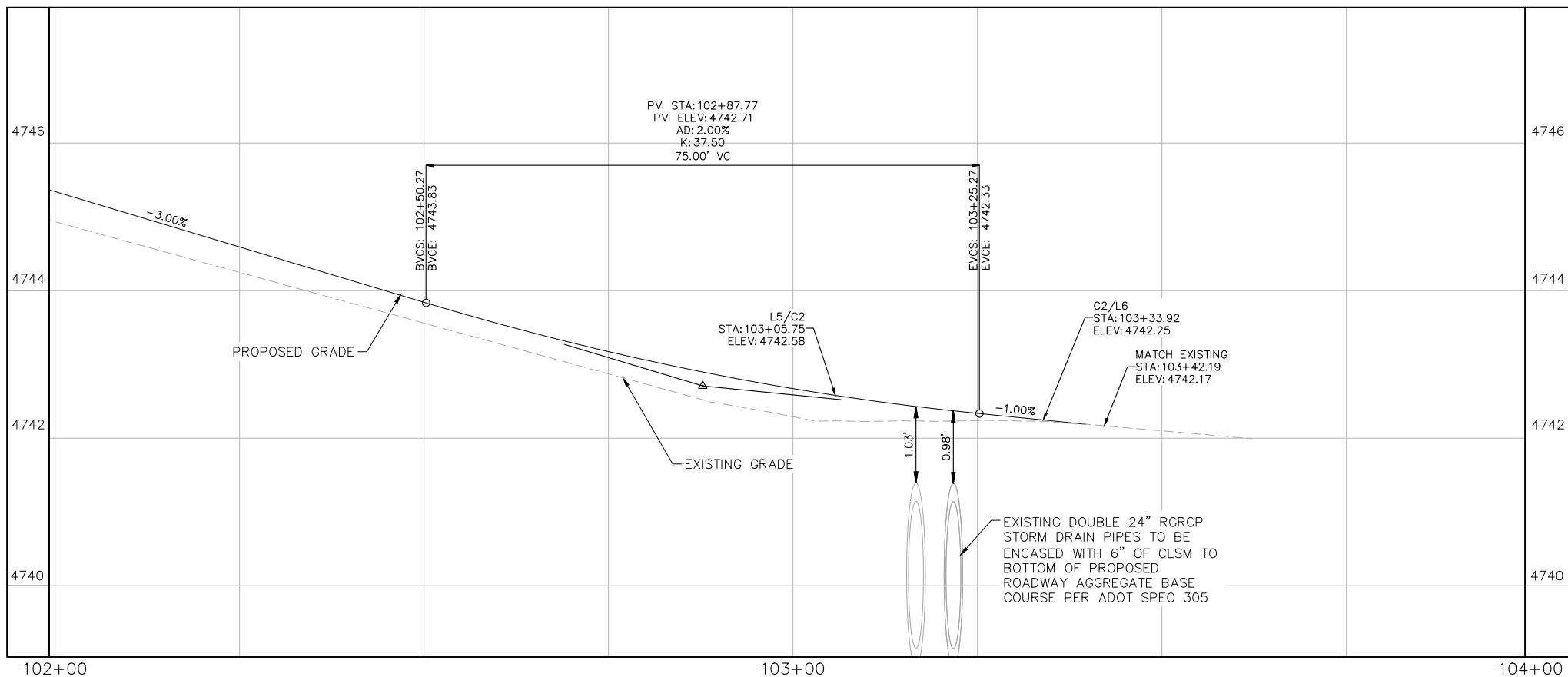
GENERAL NOTES:

1. EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY. CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO COMMENCING ANY WORK IN ANY AREA. ALL EXISTING UTILITIES NOT SHOWN TO BE REMOVED OR RELOCATED SHALL BE PROTECTED IN PLACE.
2. REFER TO SHEET C2.1 FOR DEMOLITION PLAN.
3. REFER TO SHEET C3.1 FOR PAVING PLAN.
4. STATIONS AND OFFSETS REFER TO CORRESPONDING PROPOSED ROADWAY CENTERLINES AND ARE TO THE FACE OF CURB UNLESS NOTED OTHERWISE.

CONSTRUCTION NOTES:

① MATCH EXISTING.

CURVE TABLE				
CURVE	RADIUS	LENGTH	DELTA	TANGENT
C4	80.00'	19.51'	13'58"34"	9.81'
C5	80.00'	8.65'	6'11"40"	4.33'



REUSE
INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED.
REUSE
BY KIMLEY-HORN AND ASSOCIATES, INC.

GRAPHIC SCALE IN FEET

SCALE (H): 1" = 10'	SCALE (V): 1" = 1'
DESIGNED BY: SOR	
DRAWN BY: ERG	
CHECKED BY: BLR	

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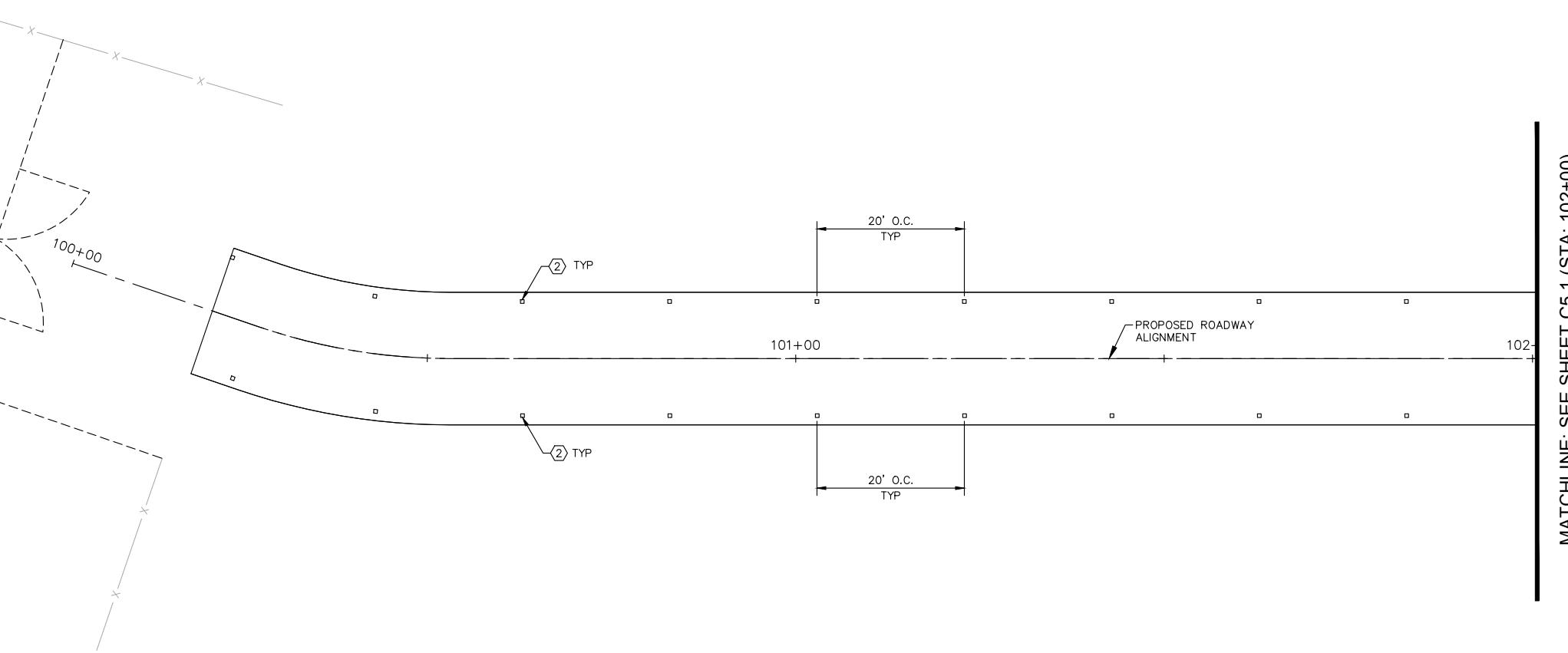



**TOMBSTONE MUNICIPAL AIRPORT
ACCESS ROAD AND PARKING LOT
ROADWAY PLAN & PROFILE**

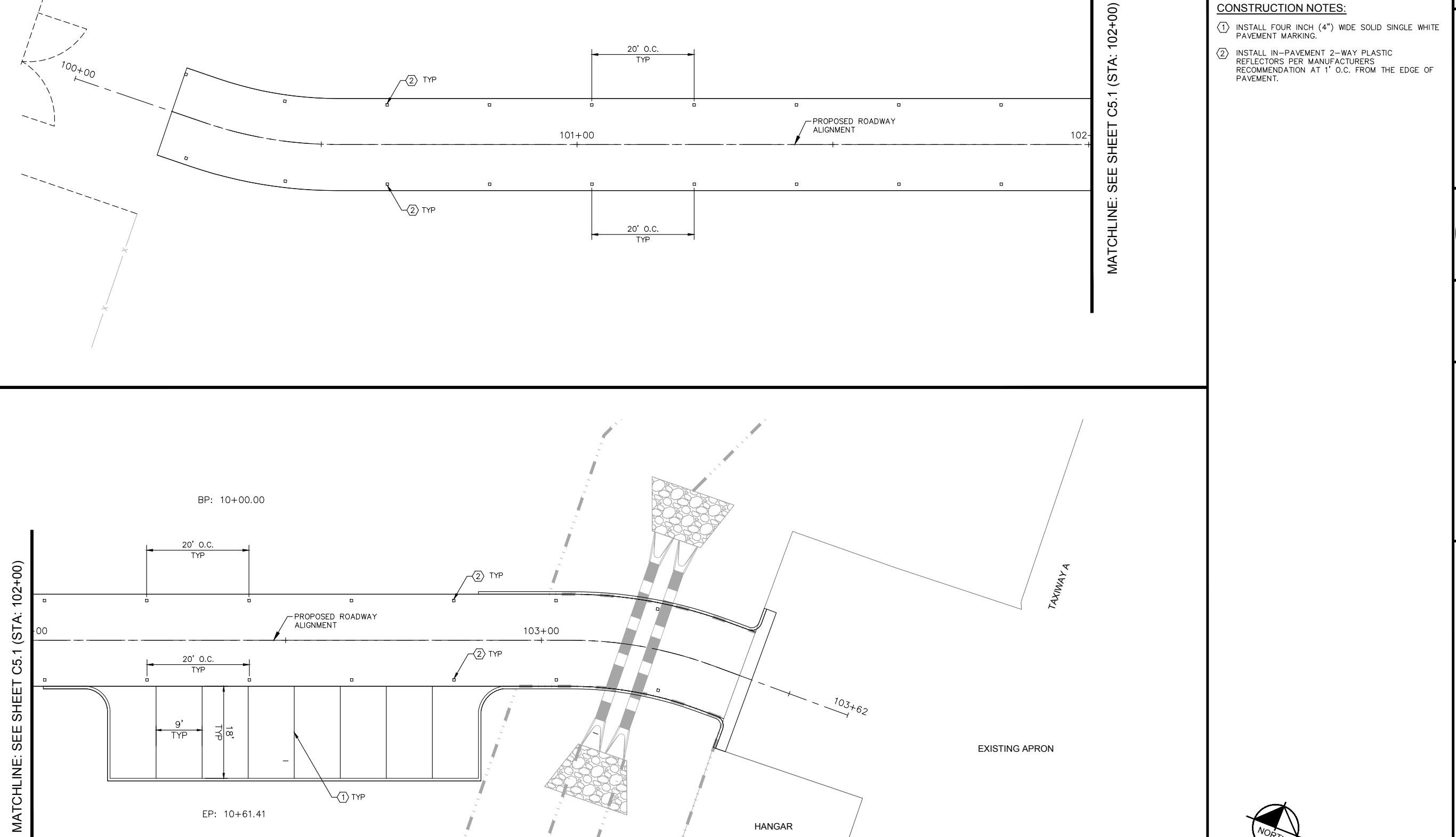
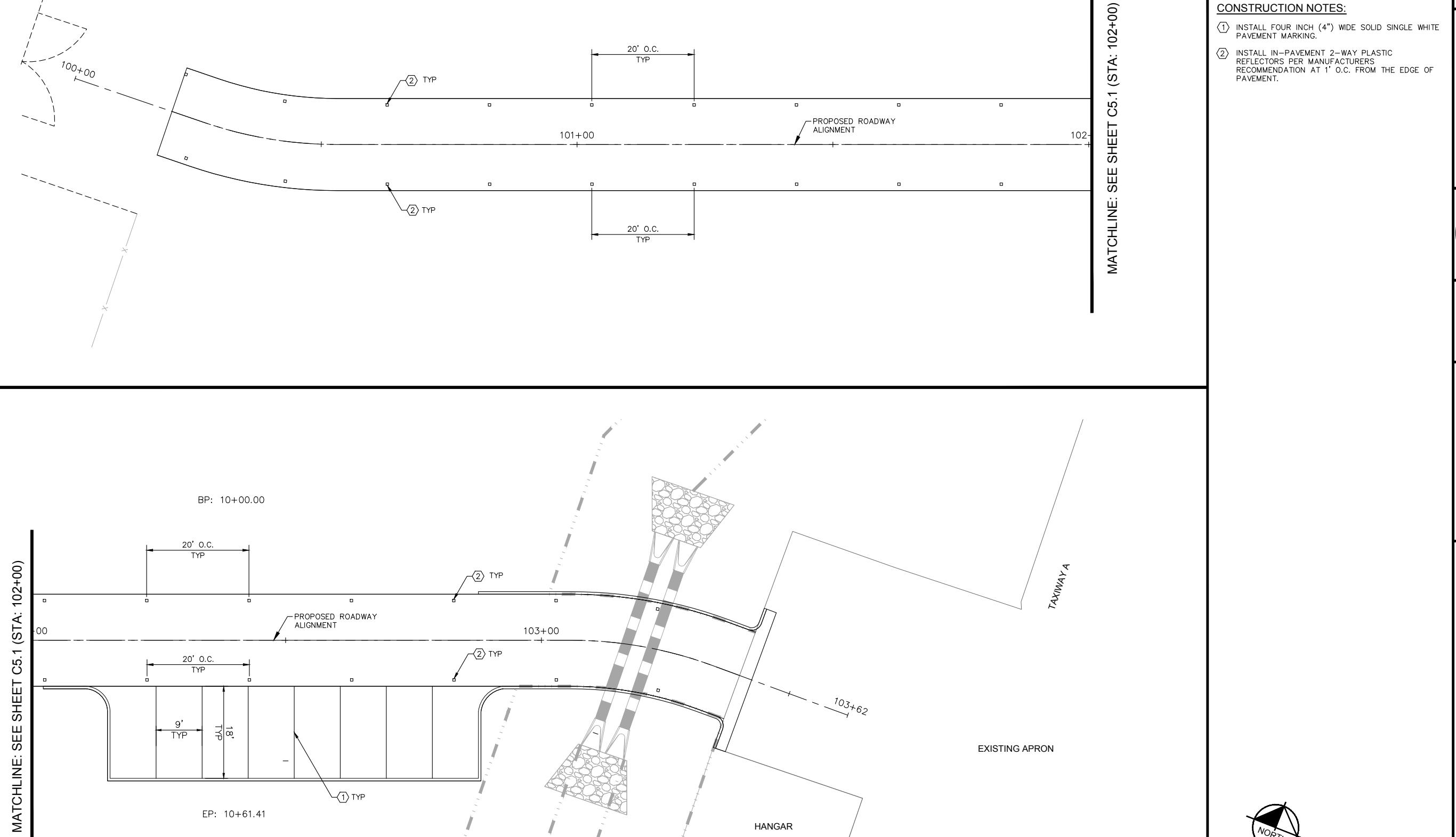


PROJECT NO.
191991004
DRAWING NAME
191991004PP01.d
C4.2
SHEET NO. 9 OF 1

MATCHLINE: SEE SHEET C5.1 (STA: 102+00)



MATCHLINE: SEE SHEET C5.1 (STA: 102+00)



GENERAL NOTES

1. PAVEMENT MARKINGS DETAILS SHALL CONFORM TO THE LATEST EDITION OF THE FEDERAL AVIATION ADMINISTRATION'S ADVISORY CIRCULAR AC-150/5340. IF A CONFLICT OCCURS BETWEEN THESE PLANS AND THE AC, THE AC SHALL TAKE PRECEDENCE.
2. PROPOSED MARKINGS SHALL BE INSTALLED PER THE DIMENSIONS SHOWN ON THE PAVEMENT MARKING PLANS.

CONSTRUCTION NOTES:

- ① INSTALL FOUR INCH (4") WIDE SOLID SINGLE WHITE PAVEMENT MARKING.
- ② INSTALL IN-PAVEMENT 2-WAY PLASTIC REFLECTORS PER MANUFACTURERS RECOMMENDATION AT 1' O.C. FROM THE EDGE OF PAVEMENT.

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NO.	REVISION
DATE	

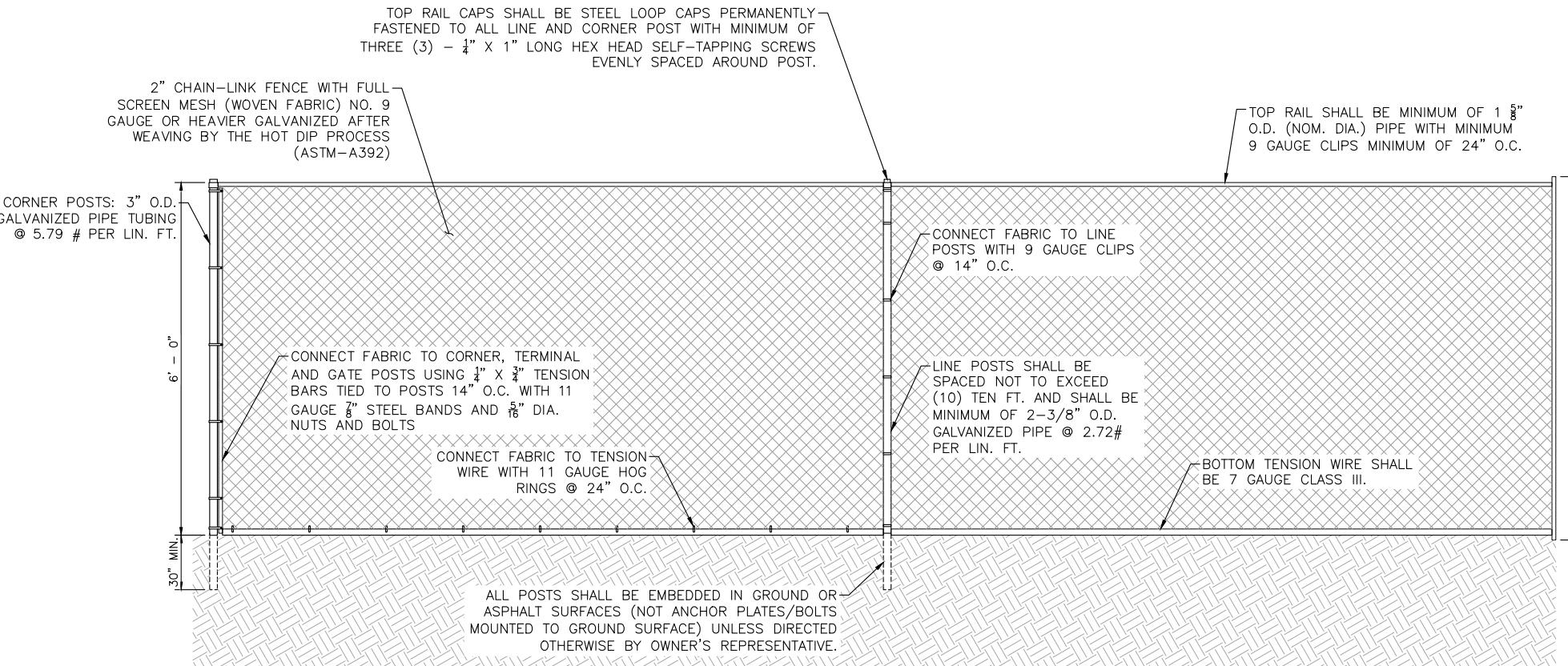
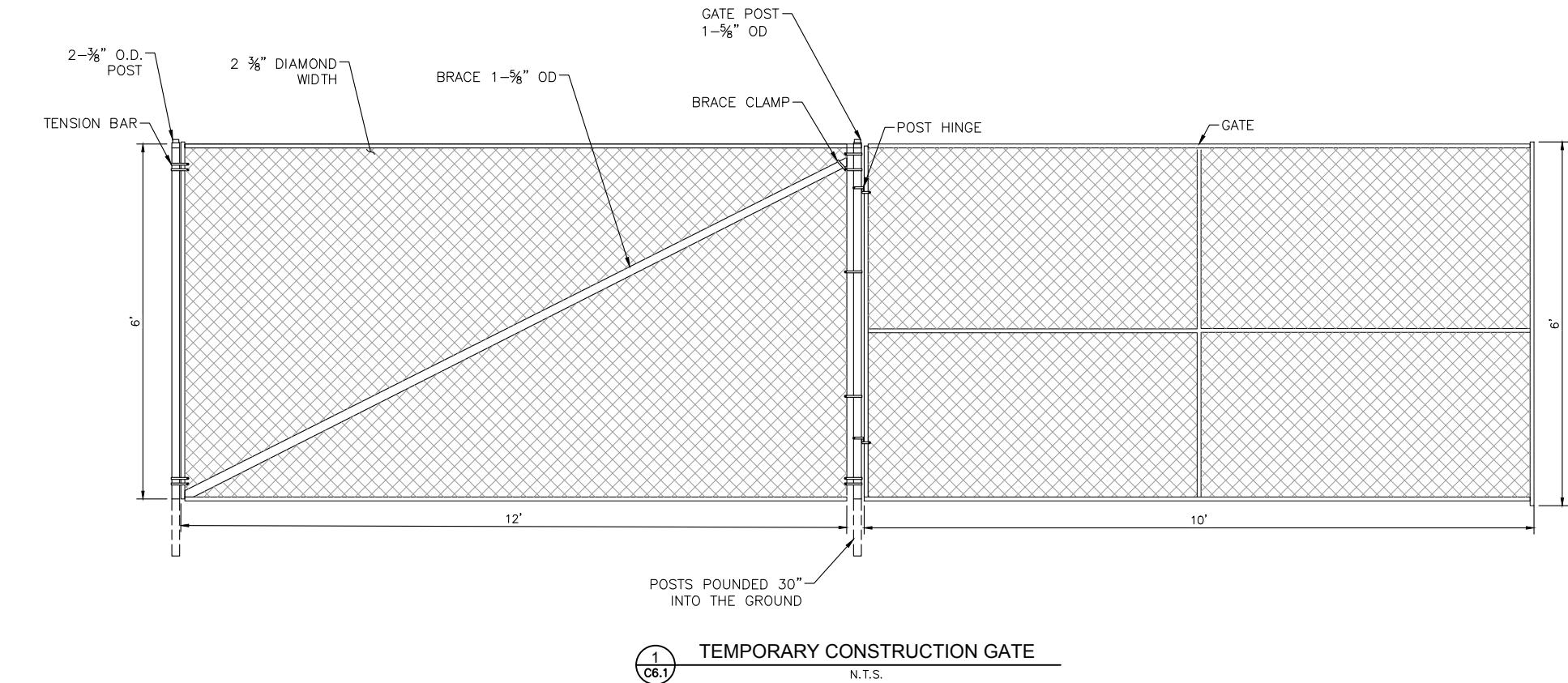
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 7740 North 16th Street, Suite 300
 Phoenix, Arizona 85020 (602) 944-5500
 NO. REVISION DATE



CITY OF TOMBSTONE

TOMBSTONE, AZ

2015 A2 856386



NOTES:

1. WHERE BREAKS IN PROFILE OF FENCE TOP ARE NECESSARY IN ROUGH TERRAIN THEY SHALL BE MADE IN THE LEAST NUMBER OF INTERVALS PRACTICAL. BREAKS SHALL BE SPREAD OVER VERTICAL CURVES OF SUFFICIENT LENGTHS TO ENSURE A PLEASING APPEARANCE.
2. FENCE SHALL BE SCREENED AS NOTED IF REQUIRED BY OWNER

2
C6.1
TEMPORARY CONSTRUCTION FENCE
N.T.S.

