

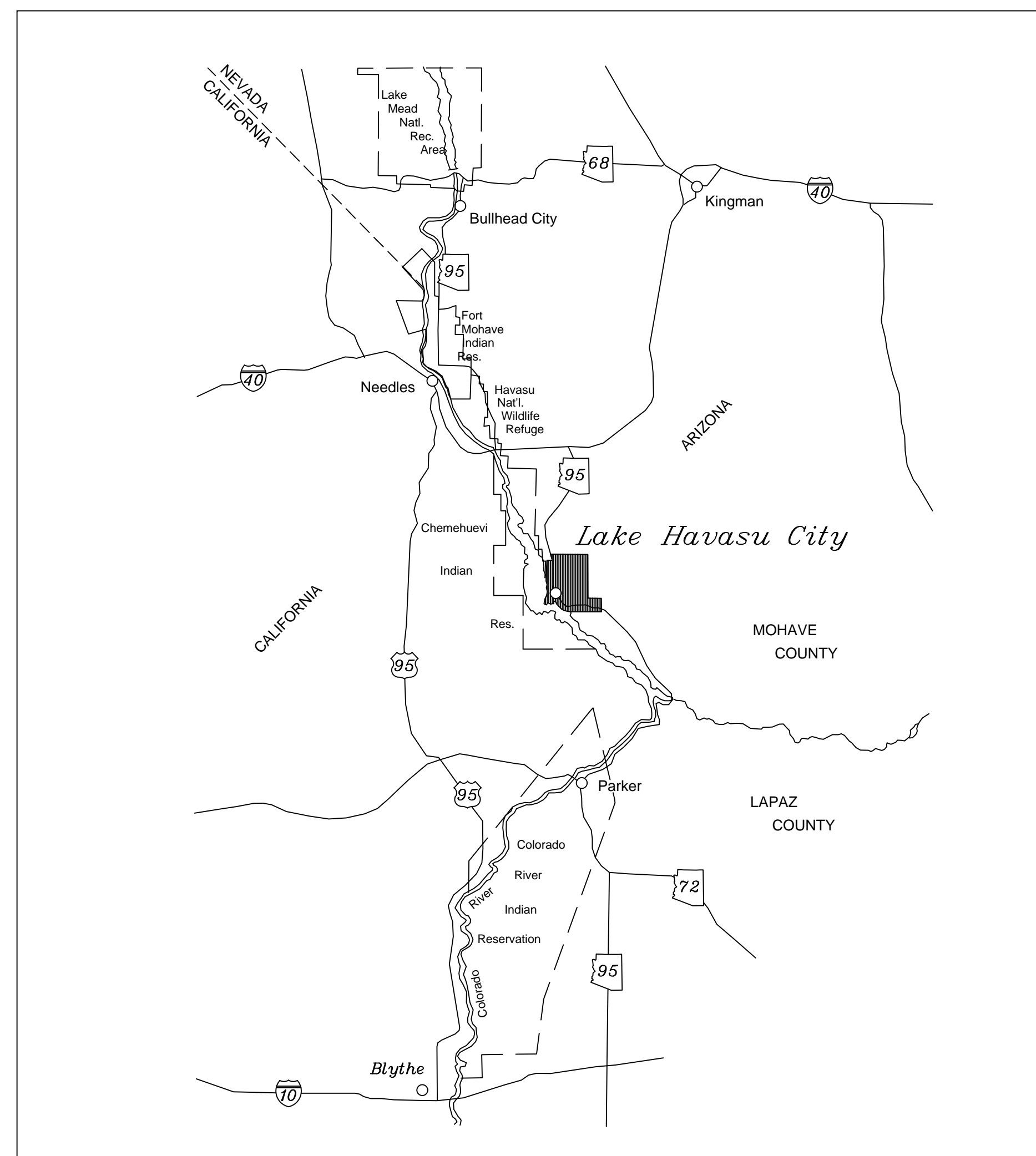


**CONTRACT DRAWINGS
FOR THE CONSTRUCTION OF**

REMOVE EXISTING HYDRANTS AND REPLACE

LAKE HAVASU CITY MUNICIPAL AIRPORT

LAKE HAVASU CITY, ARIZONA



LOCATION MAP

LHC: 104007

ADOT GRANT NO: E1S1V01C

C&S PROJECT: K33.004.002

NOVEMBER 2023



- GENERAL NOTES:
- ALL WORK REQUIRED TO COMPLETE THE CONSTRUCTION COVERED BY THIS PLAN SHALL BE IN ACCORDANCE WITH FAA STANDARD SPECIFICATIONS AND AS SUPPLEMENTED PER M.A.G. OR CITY UNLESS SPECIFIED OTHERWISE. CONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH ALL REQUIRED STANDARD SPECIFICATIONS, DETAILS, AND SUPPLEMENTS PRIOR TO BIDDING THE WORK ASSOCIATED WITH THE CONSTRUCTION COVERED BY THIS PLAN.
 - CONTRACTOR IS RESPONSIBLE FOR ALL METHODS, SEQUENCING AND SAFETY USED DURING CONSTRUCTION UNLESS SPECIFICALLY ADDRESSED OTHERWISE.
 - CONTRACTOR IS TO COMPLY WITH ALL LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS APPLICABLE TO THE CONSTRUCTION COVERED BY THIS PLAN.
 - CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND COMPLYING WITH ALL PERMITS REQUIRED TO COMPLETE THE WORK COVERED BY THIS PLAN.
 - QUANTITIES AND SITE CONDITIONS DEPICTED IN THIS PLAN ARE FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR SHALL FIELD VERIFY DEPTH OF EXISTING WATERLINE AND CONDITIONS PRIOR TO PREPARING MATERIALS SUBMITTAL OR ORDERING HYDRANTS AND COMPONENTS. CONTRACTOR IS RESPONSIBLE FOR APPROPRIATE BARREL LENGTH TO ACCOMMODATE ANY CHANGE IN GRADE OR PIPE ELEVATION. CONTRACTOR SHALL SATISFY THEMSELVES AS TO ACTUAL QUANTITIES AND SITE CONDITIONS PRIOR TO BIDDING THE WORK COVERED BY THIS PLAN.
 - A REASONABLE EFFORT HAS BEEN MADE TO SHOW THE LOCATION OF UNDERGROUND FACILITIES IN THE CONSTRUCTION AREA. CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO EXISTING FACILITIES CAUSED DURING THEIR CONSTRUCTION OPERATIONS. CONTRACTOR SHALL CALL FOR BLUE-- STAKE (602-263-1100) PRIOR TO ANY EXCAVATION.
 - CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION OF THE CONSTRUCTION AFFECTING UTILITIES AND THE COORDINATION OF ANY UTILITY RELOCATION.
 - ALL PAVING, GRADING, EXCAVATION, BEDDING AND BACKFILL SHALL COMPLY WITH THE REFERENCED REQUIRED SPECIFICATIONS AND M.A.G. STANDARD SPECIFICATIONS.
 - CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF ALL EXISTING UTILITIES AT POINTS OF TIE-IN PRIOR TO BEGINNING ANY NEW CONSTRUCTION. SHOULD ANY DISCREPANCIES BE FOUND FROM THAT SHOWN ON THIS PLAN, CONTRACTOR SHALL IMMEDIATELY CONTACT OWNER'S AGENT.
 - CONTRACTOR IS TO VERIFY LOCATION AND CONDITION OF ALL EXISTING SURFACES AT POINTS OF TIE-IN AND MATCHING PRIOR TO COMMENCEMENT OF CONSTRUCTION. SHOULD DISCREPANCIES BE FOUND FROM THAT DEPICTED ON THIS PLAN, RESULTING IN THE DESIGN INTENT DEPICTED ON THIS PLAN NOT BE ABLE TO BE CONSTRUCTED, CONTRACTOR SHALL IMMEDIATELY NOTIFY OWNERS AGENT FOR DIRECTION ON HOW TO PROCEED PRIOR TO COMMENCEMENT/CONTINUATION OF CONSTRUCTION. CONTRACTOR ACCEPTS RESPONSIBILITY FOR ALL COSTS ASSOCIATED WITH CORRECTIVE ACTION IF THESE PROCEDURES ARE NOT FOLLOWED.
 - DISPOSAL OF EXCAVATION MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR IN COORDINATION WITH THE OWNER'S AGENT TO DETERMINE SITE LOCATION.
 - CONTRACTOR MUST PROTECT THE ADJACENT IMPROVEMENTS THERETO FROM ANY DAMAGE DURING CONSTRUCTION. ANY DAMAGE TO ADJACENT IMPROVEMENTS MUST BE REPAIRED OR REPLACED TO THE PROPERTY OWNER'S SATISFACTION. AT THE CONTRACTOR'S EXPENSE.
 - CONTRACTOR WILL BE RESPONSIBLE FOR ALL BARRICADING AND TRAFFIC CONTROL REQUIRED TO MAINTAIN SAFE AND SECURE ACCESS THROUGHOUT THE AIRPORT. BARRICADES WILL BE REQUIRED TO DELINEATE ALL AREAS OF WORK WHERE THE CONTRACTOR'S FORCES ARE PERMITTED ACCESS. CONTRACTOR'S ACCESS AND TRAFFIC CONTROL PLAN WILL BE IN ACCORDANCE WITH THE AIRPORTS SAFETY PLAN.
 - CONTRACTOR SHALL PROTECT ALL AIRFIELD SIGNAGE, LIGHTING AND SECURITY EQUIPMENT. DAMAGES TO EXISTING ELECTRICAL EQUIPMENT AND SIGNAGE SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE.
 - ALL WORK ON FIRE HYDRANTS AND WATER SUPPLY LINES SHALL BE COORDINATED WITH THE AIRPORT RESCUE AND FIREFIGHTING (ARFF) CHIEF. OUT OF SERVICE FIRE HYDRANTS ARE TO BE MARKED OUT OF SERVICE IN ACCORDANCE WITH ARFF POLICIES AND PROCEDURES.
 - ANY INTERRUPTION TO THE WATER SUPPLY LINE SHALL BE IN COORDINATED WITH THE AIRPORT RESCUE AND FIREFIGHTING (ARFF) CHIEF AND AIRPORT MANAGER.
 - DUMP TRUCKS SHALL USE LOAD COVERS AND SHALL BE LOADED BY THE CONTRACTOR SUCH THAT NO SPILLAGE OCCURS DURING TRANSIT ON STATE, MUNICIPAL OR AIRPORT ROADWAYS, RUNWAYS, TAXIWAYS AND APRONS. PRIOR TO BEING ALLOWED ON ANY AIRFIELD PAVEMENT OR ROADWAYS, WHEELS OF TRUCKS SHALL BE CLEANED AND INSPECTED. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF THE IMMEDIATE CLEANING OF EARTH TRACKING AND SPILLS ON PAVED SURFACES RESULTING FROM THE CONTRACTOR'S OPERATIONS.
 - CONTRACTOR MUST MAKE REQUEST FOR FACILITY CLOSURES A MINIMUM OF 48 HOURS IN ADVANCE OF SUCH CLOSURES. THE OWNER WILL HAVE THE FINAL APPROVAL AUTHORITY OF SUCH CLOSURES THE OWNER RETAINS THE RIGHT TO CANCEL ANY SUCH CLOSURES IN THE INTEREST OF THE AIRPORT SAFETY AND/OR CRITICAL OPERATIONS.
 - THE LOCATION OF HAUL ROUTES ON THE AIRPORT SHALL BE AS SHOWN ON THE PLANS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE OFF-SITE HAUL ROUTES WITH THE PARTY HAVING JURISDICTION OVER THE AFFECTED ROUTE. 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. FENCING, 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 THE WORK.
 - CONCRETE, RUBBLE, AND OTHER EXCESS EXCAVATION NOT USED IN THE WORK SHALL BE DISPOSED OF OFF-SITE ACCORDING TO THE LOCAL LAWS AND REGULATIONS. NO MATERIAL SHALL BE WASTED OR STOCKPILED ON THE AIRPORT UNLESS APPROVED THE OWNER. COSTS ASSOCIATED WITH THE EXCESS SOILS PLACEMENT ARE CONSIDERED INCIDENTAL TO THE CONTRACT. ANY REMOVAL ITEMS OF VALUE ARE TO REMAIN THE PROPERTY OF THE OWNER UNLESS OTHERWISE INDICATED.
 - THE CONTRACTOR SHALL NOT ENTER ONTO ANY AREA OUTSIDE OF THE CONSTRUCTION LIMITS, STAGING AREA, OR DESIGNATED HAUL ROUTES WITHOUT WRITTEN APPROVAL OF THE OWNER.
 - THE CONTRACTOR WILL BE REQUIRED TO COORDINATE WITH THE OWNER ON THE PRECISE LOCATION AND LIMITS OF THE STAGING AREAS, FENCING, SECURITY, OR ACCESS.
 - ALL CONSTRUCTION VEHICLE ACTIVITY IN THE AIR OPERATIONS AREA SHALL BE CONTROLLED BY RADIO. SPECIAL RESTRICTIONS APPLY IN AREAS WITHIN THE RUNWAY AND TAXIWAY SAFETY AREAS. NO WORK SHALL PROCEED WITHOUT THE APPROVAL OF THE OWNER. AN AIRPORT STAFF INDIVIDUAL EQUIPPED WITH A RADIO CAPABLE OF MONITORING APPROPRIATE AIRPORT FREQUENCIES SHALL ACCOMPANY ALL WORK CREWS.
 - CONSTRUCTION EQUIPMENT AND PERSONNEL SHALL YIELD TO AIRCRAFT TRAFFIC AT ALL TIMES.
 - ACTIVITIES PERFORMED BY THE CONTRACTOR REQUIRING THE USE OF CONSTRUCTION EQUIPMENT WITH A HEIGHT GREATER THAN 15 FEET SHALL BE COORDINATED WITH THE OWNER. STOCKPILED MATERIAL TO BE USED IN THE CONSTRUCTION SHALL, WITH A HEIGHT NOT TO EXCEED 15 FEET, BE LOCATED WITHIN THE DESIGNATED AREAS.
 - ALL CONSTRUCTION VEHICLES OPERATING ON THE AIRPORT PROPERTY MUST BE PROVIDED WITH AN AMBER BEACON OR A FLAG ON A STAFF ATTACHED TO THE VEHICLE SO THAT THE FLAG WILL BE READILY VISIBLE. THE FLAG SHALL NOT BE LESS THAN THREE FEET SQUARE CONSISTING OF AVIATION ORANGE AND WHITE SQUARED OF NO LESS THAN ONE FOOT ON EACH SIDE.
 - CONTRACTOR SHALL DESIGNATE A PERSON AND TWO BACKUP PEOPLE WHO CAN BE CONTACTED 24 HOURS A DAY IN THE EVENT OF AN EMERGENCY. THESE PEOPLE SHALL BE AUTHORIZED TO MAKE FIELD DECISIONS ON THE COMPANY'S BEHALF AND BE ABLE TO RESPOND WITHIN TWO HOURS OF INITIAL CONTACT.
 - IN CLOSING EXISTING AIRFIELD FACILITIES OR FACILITIES CONSTRUCTED UNDER THIS PROJECT AS SPECIFIED ON THE PLANS, THE CONTRACTOR MUST COORDINATE WITH THE OWNER FOR DE-ENERGIZING AIRFIELD LIGHTING ASSOCIATED WITH THE FACILITY TO BE CLOSED. IF THE LIGHTING IS UNABLE TO BE APPROPRIATELY DE-ENERGIZED, THE CONTRACTOR WILL BE REQUIRED TO COVER THE APPROPRIATED LIGHTS SO THAT AIRCRAFT CANNOT VIEW THEM. THE ACTUAL LIGHTS TO BE COVERED ARE TO BE DETERMINED BY THE OWNER. IF COVERING IS NECESSARY, THE CONTRACTOR MUST SUBMIT HIS PLAN FOR COVERING THE LIGHTING TO THE OWNER FOR APPROVAL PRIOR TO CLOSING ANY AIRFIELD FACILITIES.
 - ACCESS FOR AIRPORT RESCUE AND FIREFIGHTING (ARFF) OR LOCAL RESCUER AND FIREFIGHTING EQUIPMENT AND PERSONNEL SHALL BE MAINTAINED AT ALL TIMES. THE ARFF OR LOCAL OPERATIONS SHALL HAVE RIGHT-OF-WAY OVER ALL CONTRACTORS OPERATIONS AT ALL TIMES.

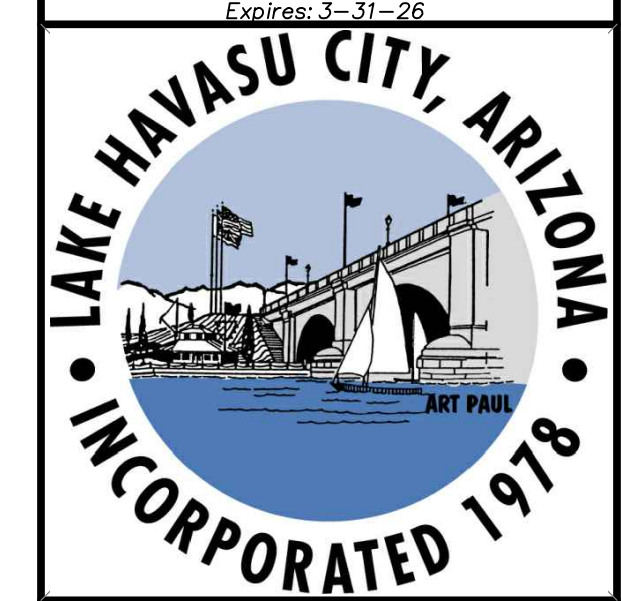
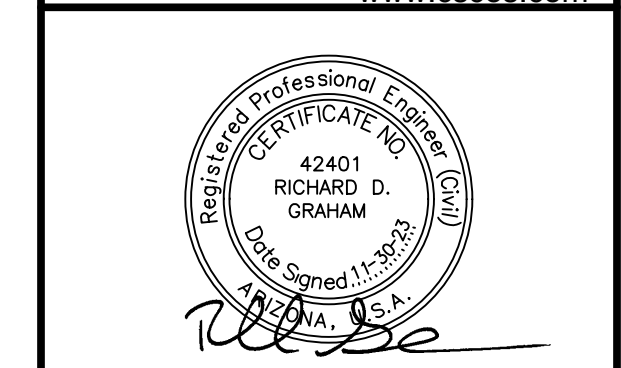
A1 GENERAL NOTES
NOT TO SCALE

DESCRIPTION	EXISTING	PROPOSED
WATER LINE & MANHOLE		
WATER VALVE/METER		
FIRE HYDRANT		
FLUSH TYPE FIRE HYDRANT		
BACKFLOW PREVENTER		
REDUCER		
POST INDICATOR VALVE		
GAS VALVE/METER		
GAS LINE		
CABLE TELEVISION		
POWER POLE/GUY CABLE & ANCHOR		
STREET LIGHT & W/MAST ARM		
RUNWAY/TAXIWAY LIGHT		
FLUSH RUNWAY/TAXIWAY LIGHT		
SANITARY SEWER & MANHOLE		
SANITARY SEWER CLEANOUT		
STORM DRAIN & MANHOLE		
DRY WELL		
TEL MANHOLE/LINE/PEDESTAL		
AIRPORT REFLECTIVE MARKER		
BOLLARD		
STREET SIGN		
SINGLE & DOUBLE POST SIGNS		
WINDSOCK		
PROPERTY CORNER		
BRASS CAP FLUSH/IN HAND HOLE		
PROPERTY/RIGHT OF WAY LINE		
SECTION LINE		
CENTER/MONUMENT LINE		
EASEMENT		
VERT CURB/CURB & GUTTER		
PRECAST PARKING SPACE CURB		
BARBED WIRE FENCE		
CHAIN LINK FENCE		
WROUGHT IRON FENCE		
NEW DOUBLE SLIDING VEHICLE GATE		
EXIST. FENCING TO BE REMOVED		
WALL		
CONTOUR LINES MAJOR		
CONTOUR LINES MINOR		
GRADE BREAK		
SPOT ELEVATION		
BUILDING/STRUCTURE		
AC PAVEMENT		
AC PAVEMENT SHOULDER		
EXISTING PAVEMENT TO BE REMOVED		
SOIL CEMENT		
SOIL CEMENT TO BE REMOVED		
CONCRETE PAVEMENT		
AGGREGATE EROSION PROTECTION		
SAWCUT AND REMOVE AC PAVEMENT		
CONSTRUCTION NOTE		
PROJECT CONTROL POINT		
NEW HYDRANT LOCATIONS		

A2 LEGEND
NOT TO SCALE

ABBREVIATION	DEFINITION
14/32	RUNWAY DESIGNATION
A.C.	ASPHALT CONCRETE
ABAN.	ABANDONED
ABC	AGGREGATE BASE COURSE
AC	ASPHALTIC CONCRETE
ADOT	ARIZONA DEPARTMENT OF TRANSPORTATION
AIP	AIRPORT IMPROVEMENT PROGRAM
APPROX.	APPROXIMATE
ASPH.	ASPHALT
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS
BC	BEGIN CURVE
BLDG.	BUILDING
BM	BENCH MARK
C TO C	CENTER TO CENTER
CIP	CAST IRON PIPE
CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
CMPA	CORRUGATED ARCHED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
CONC.	CONCRETE
CSP	CORRUGATED STEEL PIPE
CU FT	CUBIC FEET
CY	CUBIC YARDS
CZ	CLEAR ZONE
D50	DIAMETER OF 50% ROCK SIZE
DIA.	DIAMETER
DIP	DUCTILE IRON PIPE
E	EAST
EAL	EACH
EAPL	EXISTING AIRPORT PROPERTY LINE
EC	END OF CURVE
ELEC	ELECTRIC/ELECTRICAL
ELEV.	ELEVATION
EOP	EDGE OF PAVEMENT
EX	EXISTING
EXST	EXISTING
FAA	FEDERAL AVIATION ADMINISTRATION
FF	FINISH FLOOR
FG	FINISH GRADE
FIN	FINISHED
FL	FLOW LINE
FND.	FOUNDATION
FS	FINISH SURFACE
FT	FOOT
GA	GENERAL AVIATION
GB	GRADE BREAK
GPM	GALLONS PER MINUTE
HP	HIGH POINT
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
INT	INTERSECTION
JB	JUNCTION BOX
L	LENGTH
LBS	POUNDS
LF	LINEAL FOOT
LP	LOW POINT
LS	LUMP SUM
LT	LEFT
MAX.	MAXIMUM
MH	MANHOLE
MIN.	MINIMUM
MISC.	MISCELLANEOUS
MUTCD	MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES
N	NORTH
N/A	NOT APPLICABLE
NA	NOT APPLICABLE
NO.	NUMBER
NPI	NON-PAY ITEM
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFA	OBJECT FREE AREA
OWS	OIL WATER SEPARATOR
PAV'T.	PAVEMENT
PC	POINT OF CURVATURE
PCC	PORTLAND CEMENT CONCRETE
PI	POINT OF INTERSECTION
PROP	PROPOSED
PT	POINT OF TANGENCY
PVC	POINT OF CURVATURE (VERTICAL CURVE)
PVC	POLYVINYL CHLORIDE
PVC	POLYVINYL CHLORIDE PIPE
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
PVT	POINT OF TANGENCY (VERTICAL CURVE)
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
REINF	REINFORCING
ROFA	RUNWAY OBJECT FREE AREA
ROW	RIGHT OF WAY
RPZ	RUNWAY PROTECTION ZONE
RSA	RUNWAY SAFETY AREA
RT	RIGHT
RW	RUNWAY
S	SOIL
S	SLOPE
SAL	SAFETY AREA LIMITS
SD	STANDARD DETAIL
SD	STORM DRAINAGE
SECT	SECTION
SHDR.	SHOULDER
SHT	SHEET
SICPP	SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE
SPECS	SPECIFICATIONS
STA	STATION
SY	SQUARE YARDS
T	TANGENT LENGTH
TC	TOP OF CURB
TD	TOP OF DIKE
TF	TOP OF FOOTING
TOFA	TAXIWAY OBJECT FREE AREA
TSA	TAXIWAY SAFETY AREA
TW	TAXIWAY
TYP	TYPICAL
UD	UNDERDRAIN
UG	UNDERGROUND
VCP	VITRIFIED CLAY PIPE
W	WATT
W	WEST
WT	WEIGHT

A3 ABBREVIATIONS
NOT TO SCALE



REMOVE EXISTING HYDRANTS AND REPLACE

LAKE HAVASU CITY MUNICIPAL AIRPORT

LAKE HAVASU CITY, ARIZONA

MARK	DATE	DESCRIPTION

PROJECT NO:	K33004002
DATE:	NOVEMBER 2023
DRAWN BY:	RB
DESIGNED BY:	RB
CHECKED BY:	RDG

GENERAL NOTES, LEGEND AND ABBREVIATIONS

G002

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Dec 07, 2023 - 10:14am
F:\Project\K333 - Lake Havasu City, AZ\K333.004.002 - T.O. 2 - Hydrant Remove and Replace\Design\CADD\Sheet Files\K333004002.dwg G. NOTES, LEG. & ABBREVIATIONS

SHEET NO.	REFERENCE NO.	TITLE
1	G001	TITLE SHEET
2	G002	GENERAL NOTES, LEGEND AND ABBREVIATIONS
3	G003	SHEET INDEX AND QUANTITIES
4	V401	GENERAL PLAN AND SURVEY CONTROL
5	GC101	CONSTRUCTION SAFETY AND PHASING PLAN
6	GC102	STORMWATER POLLUTION PREVENTION PLAN
7	CD101	DEMOLITION PLAN
8	CD102	DEMOLITION PLAN
9	CD103	DEMOLITION PLAN
10	CD104	DEMOLITION PLAN
11	CD105	DEMOLITION PLAN
12	CD106	DEMOLITION PLAN
13	CG101	IMPROVEMENT PLAN
14	CG102	IMPROVEMENT PLAN
15	CG103	IMPROVEMENT PLAN
16	CG104	IMPROVEMENT PLAN
17	CG105	IMPROVEMENT PLAN
18	CG106	IMPROVEMENT PLAN
19	CP501	DETAILS

LINE NO.	ITEM NO.	DESCRIPTION	UNIT	APPROX. QUANTITY	AS-BUILT QUANTITY
1	SP-08	WATERLINE DEPTH HYDROVAC POTHOLING	LS	1	
2	C-102	TEMPORARY AIR AND WATER POLLUTION, SOIL EROSION, AND SILTATION CONTROL	LS	1	
3	C-105	MOBILIZATION	LS	1	
4	C-106	SAFETY, SECURITY AND MAINTENANCE OF TRAFFIC	LS	1	
5	SP-09	REMOVE & SALVAGE EXISTING FIRE HYDRANT ASSEMBLY	EA	7	
6	SP-10	FURNISH AND INSTALL NEW FLUSH MOUNT FIRE HYDRANT	EA	7	
7	SP-11	FURNISH AND CONSTRUCT NEW CONCRETE PAD	SF	1,300	
8	SP-12	UTILITY ALLOWANCE (CONTINGENT ITEM)	AL	1	



C&S Engineers, Inc.
 2575 East Camelback Rd
 Suite 740
 Phoenix, Arizona 85016
 Phone: 602-997-7536
 Fax: 602-997-7592
 www.cscos.com



**REMOVE EXISTING HYDRANTS AND REPLACE
 LAKE HAVASU CITY MUNICIPAL AIRPORT
 LAKE HAVASU CITY, AIRIZONA**

MARK	DATE	DESCRIPTION

PROJECT NO: K33004002
 DATE: NOVEMBER 2023
 DRAWN BY: RB
 DESIGNED BY: RB
 CHECKED BY: RDG

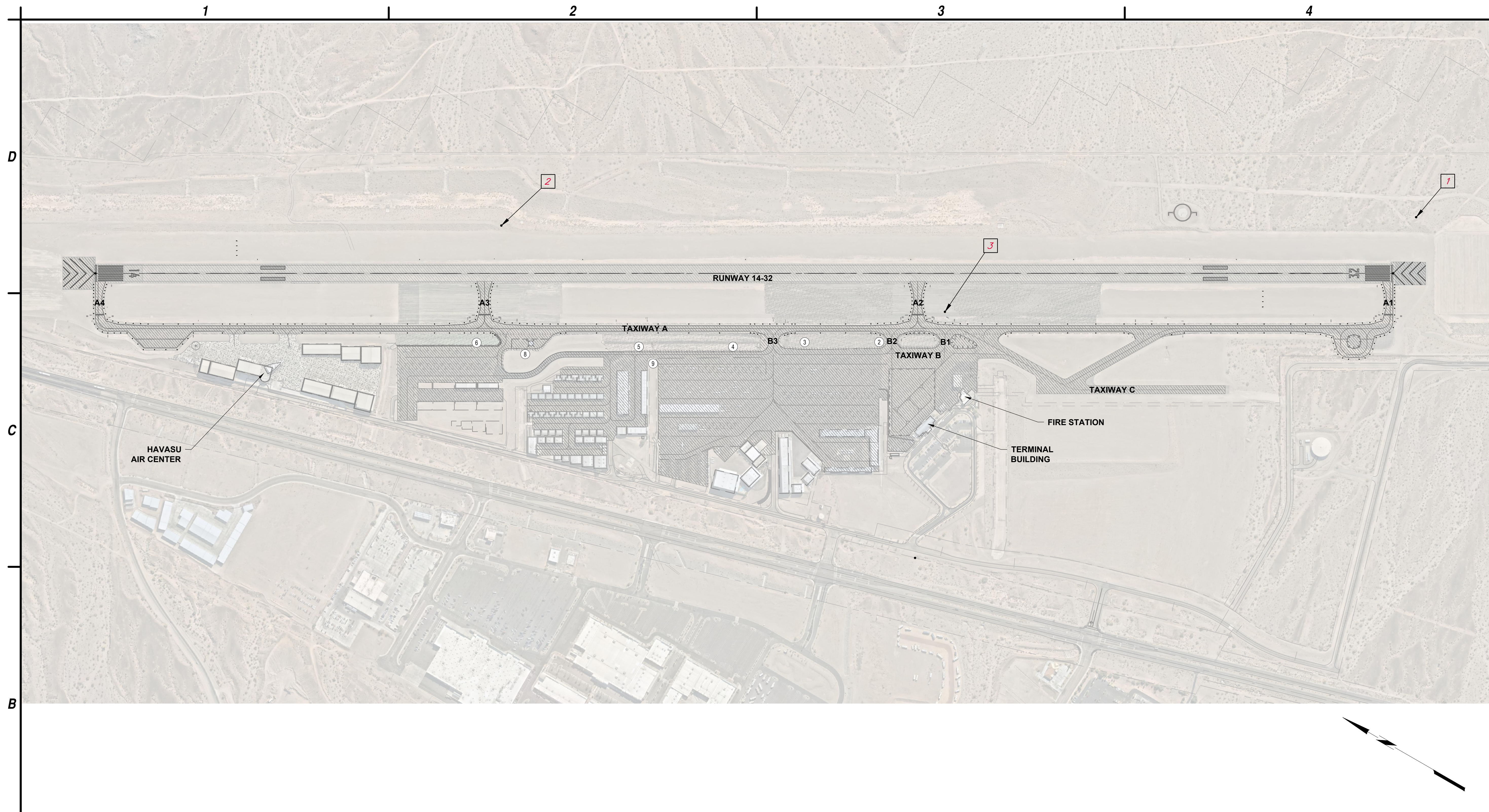
SHEET INDEX AND QUANTITIES

G003
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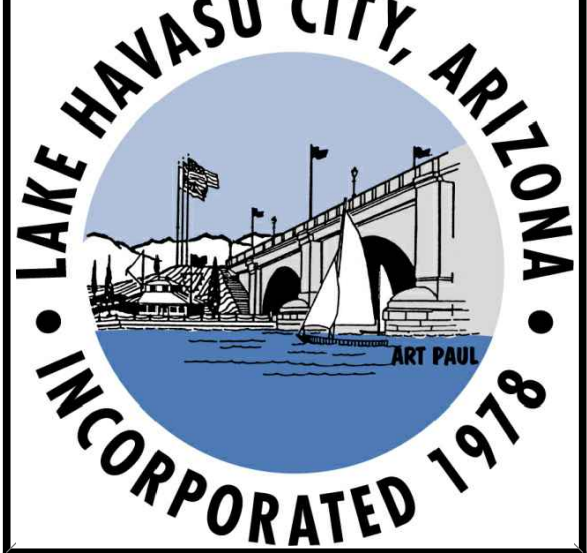
A1 SHEET INDEX
 NOT TO SCALE

A3 APPROXIMATE QUANTITIES
 NOT TO SCALE

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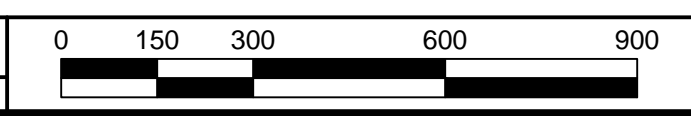


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REMOVE EXISTING HYDRANTS AND REPLACE
LAKE HAVASU CITY MUNICIPAL AIRPORT
LAKE HAVASU CITY, ARIZONA

B1 GENERAL PLAN AND SURVEY CONTROL
 SCALE: 1:300'



BASIS OF BEARINGS AND COORDINATES
 LINEAR UNIT: INTERNATIONAL FEET
 GEODETIC DATUM: NORTH AMERICAN DATUM OF 1983 (NA2011)
 VERTICAL DATUM: NAVD 1988 (SEE BELOW)
 SYSTEM: U.S. STATE PLANE OF 1983 (AT GRID)
 ZONE: ARIZONA WEST ZONE (0203)
 PROJECTION
 TRANSVERSE MERCATOR
 LATITUDE OF GRID ORIGIN: 31°00'00" N
 LONGITUDE OF CENTRAL MERIDIAN: 113°45'00" W
 NORTHING AT GRID ORIGIN: 0.000 FT
 EASTING AT CENTRAL MERIDIAN: 700,000.000 FT
 SCALE FACTOR ON CENTRAL MERIDIAN: 0.9999333333

ALL DISTANCES AND BEARINGS SHOWN HEREON ARE GRID VALUES BASED ON THE PRECEDING PROJECTION DEFINITION.
 THE BASIS OF BEARINGS IS TRUE GEODETIC NORTH AS DETERMINED FROM THE GPS SOLUTION. NOTE THAT THE GRID BEARINGS SHOWN HEREON (OR IMPLIED BY GRID COORDINATES) DO NOT EQUAL GEODETIC BEARINGS DUE TO MERIDIAN CONVERGENCE.
 ORTHOMETRIC HEIGHTS (ELEVATIONS) WERE TRANSFERRED TO THE SITE FROM NGS POINT "HAVASU". THE FIELD SURVEY WAS CONDUCTED USING GPS REFERENCED TO THE FOLLOWING COORDINATES.
 POINT "HAVASU" (EU1257)
 LATITUDE: N34°33'58.27478"
 LONGITUDE: W114°21'41.53094"
 ELLIPSOID HEIGHT: 596.027 FT
 POINT "HII D" PACS (AC6812)
 LATITUDE: N34°34'04.29375"
 LONGITUDE: W114°21'24.75967"
 ELLIPSOID HEIGHT: 653.547 FT
 POINT "HII B" SACS (AC6814)
 LATITUDE: N34°34'30.29151"
 LONGITUDE: W114°21'35.79711"
 ELLIPSOID HEIGHT: 659.905 FT

HORIZONTAL AND VERTICAL CONTROL BASED ON SURVEY PROVIDED BY:
 Shephard Wisnitzer, Inc.
 75 Kallof Place, Sedona, AZ 86336
 (928) 282-1061
 www.swiaz.com
 ALL COORDINATES LISTED ARE NAD83 (NA2011) U.S. STATE PLANE OF 1983, ARIZONA WEST ZONE (AT GRID), INTERNATIONAL FEET, GEOID MODEL 12A
 ELEVATIONS SHOWN HEREON ARE ON NAVD 88 DATUM.

SURVEY CONTROL POINTS

PT#	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1296396.18	519257.86	799.34	GVT HII A AC6813
2	1301253.55	516392.41	760.56	GVT HII B AC6814
3	1298619.79	517299.55	754.26	GVT HII D AC6812

— HYDRANT NUMBER

MARK	DATE	DESCRIPTION
REVISIONS		
		PROJECT NO: K33004002
		DATE: NOVEMBER 2023
		DRAWN BY: RB
		DESIGNED BY: RB
		CHECKED BY: RDG

A1 BASIS OF BEARINGS AND COORDINATES
 NOT TO SCALE

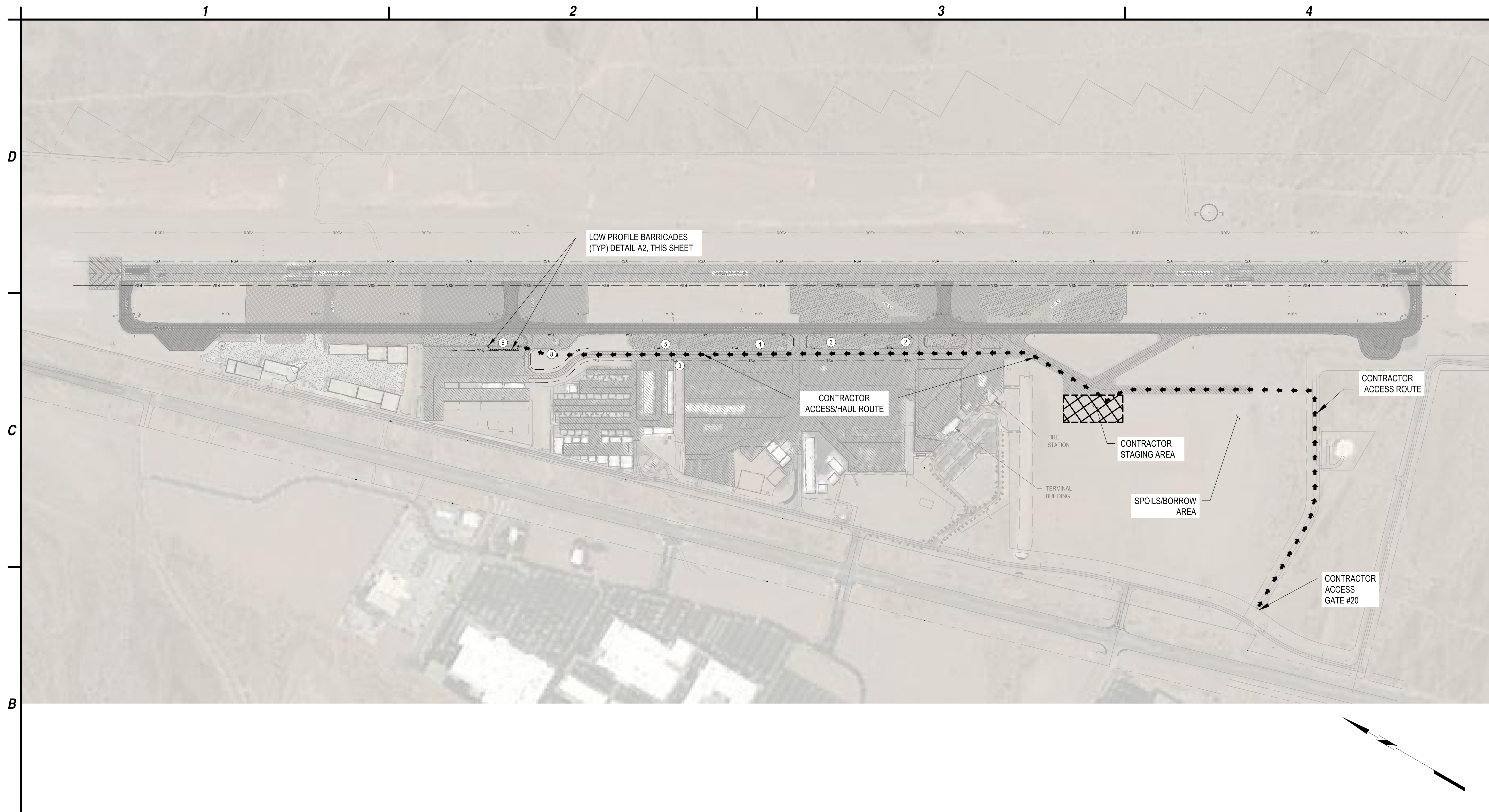
A3 SURVEY SUPPORTING INFORMATION
 NOT TO SCALE

A4 SURVEY CONTROL POINTS AND LEGEND
 NOT TO SCALE

GENERAL PLAN AND SURVEY CONTROL

V401
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Dec 07, 2023 - 10:18am
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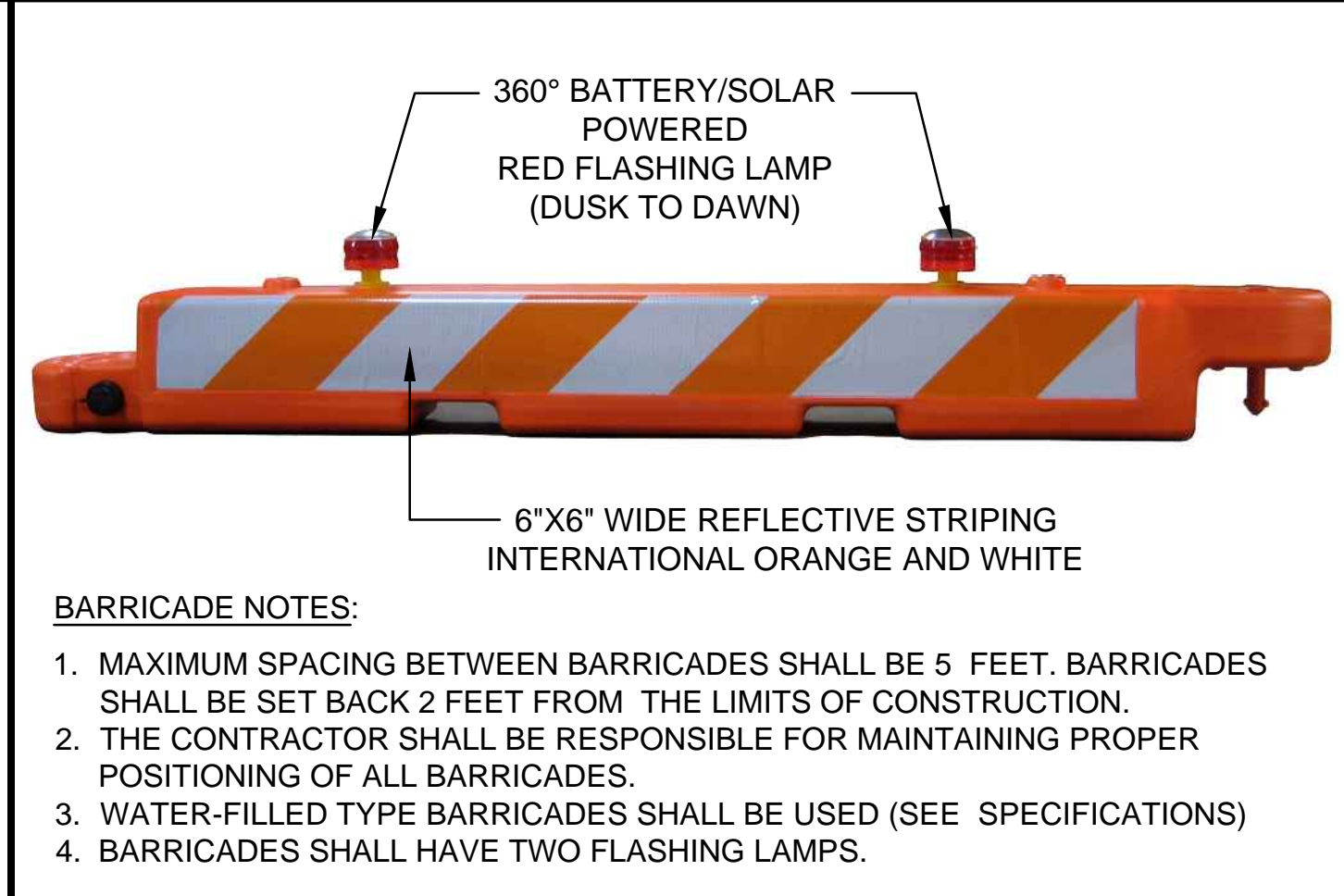
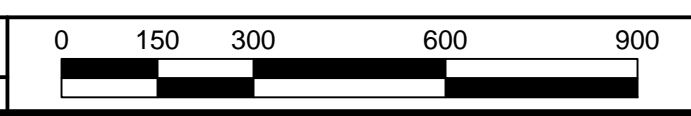


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LAKE HAVASU CITY, ARIZONA

B1 CONSTRUCTION SAFETY AND PHASING PLAN
 SCALE: 1:300'



A2 LNTP NOTES
 NOT TO SCALE

1. A LIMITED NOTICE TO PROCEED SHALL BE ISSUED FOR A PERIOD OF 5 CALENDAR DAYS TO ALLOW THE CONTRACTOR TO ACCESS THE PROJECT AREAS TO HYDROVAC POT HOLE AND DETERMINE THE WATERLINE DEPTH PRIOR TO ORDERING FIRE HYDRANTS AND COMPONENTS. ONCE DELIVERY OF HYDRANTS AND COMPONENTS HAVE BEEN CONFIRMED AN OFFICIAL NOTICE TO PROCEED WILL BE ISSUED, STARTING THE 60 CALENDAR DAY CONSTRUCTION PERIOD.

A3 GENERAL NOTES
 NOT TO SCALE

1. THE CONTRACTOR MUST NOTIFY THE FIRE DEPARTMENT PRIOR TO CLOSING WATER VALVES OR ISOLATING WATERLINE SEGMENTS OR HYDRANTS, AND ALSO COORDINATE THE MARKING AND REMOVAL FROM SERVICE ALL EFFECTED HYDRANTS.
2. THE CONTRACTOR SHALL NOT LEAVE GATES UNATTENDED OR UNLOCKED AT ANY TIME.
3. ALL CONSTRUCTION (EQUIPMENT AND ACTIVITY) SHALL REMAIN OUTSIDE THE TAXIWAY SAFETY AREAS WHILE THE TAXIWAY IS OPEN.
4. ANY WORK WITHIN THE TAXIWAY SAFETY AREAS WILL REQUIRE LOCAL CLOSURE OF THE TAXIWAY.

- COORDINATE LOCAL TAXIWAY CLOSURES AND BARRICADE PLACEMENT WITH AIRPORT. PROVIDE A MINIMUM OF 72 HOURS NOTICE FOR TAXIWAY CLOSURES.

A4 LEGEND
 NOT TO SCALE

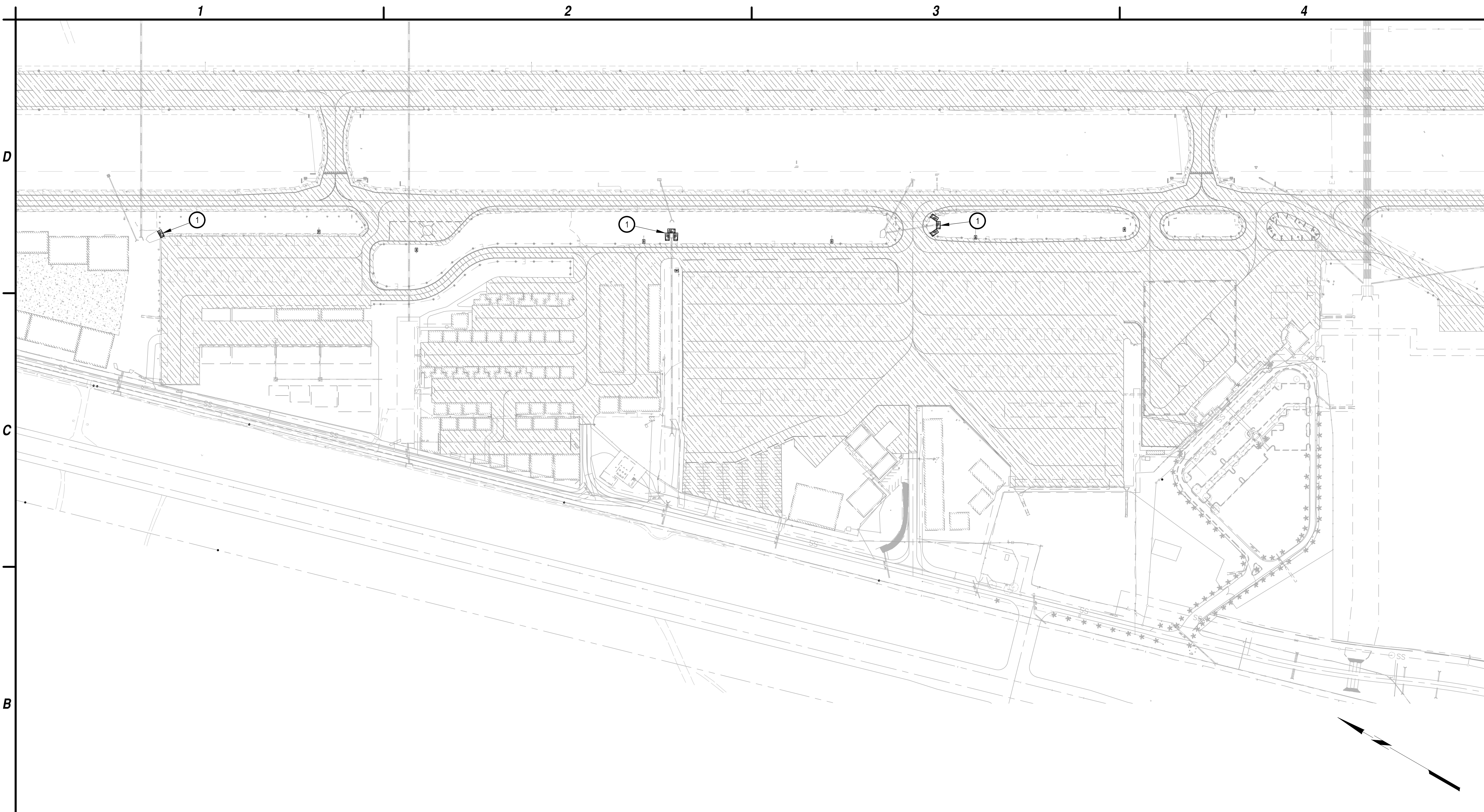
--- TSA ---	TAXIWAY SAFETY AREA
-----	LOW PROFILE BARRICADES - SEE DETAIL A2, THIS SHEET
◆◆◆◆	CONTRACTOR ACCESS/HAUL ROUTE
②	HYDRANT NUMBER

MARK	DATE	DESCRIPTION
REVISIONS		
		PROJECT NO: K33004002
		DATE: NOVEMBER 2023
		DRAWN BY: RB
		DESIGNED BY: RB
		CHECKED BY: RDG

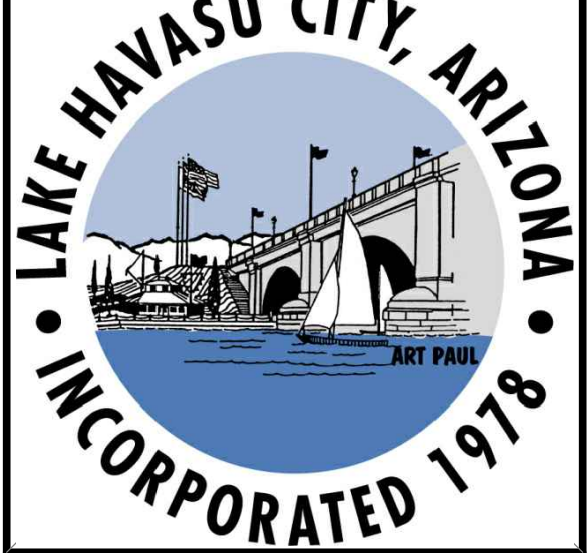
CONSTRUCTION SAFETY AND PHASING PLAN

GC101
 5 of 19

Dec 07, 2023 - 10:20am
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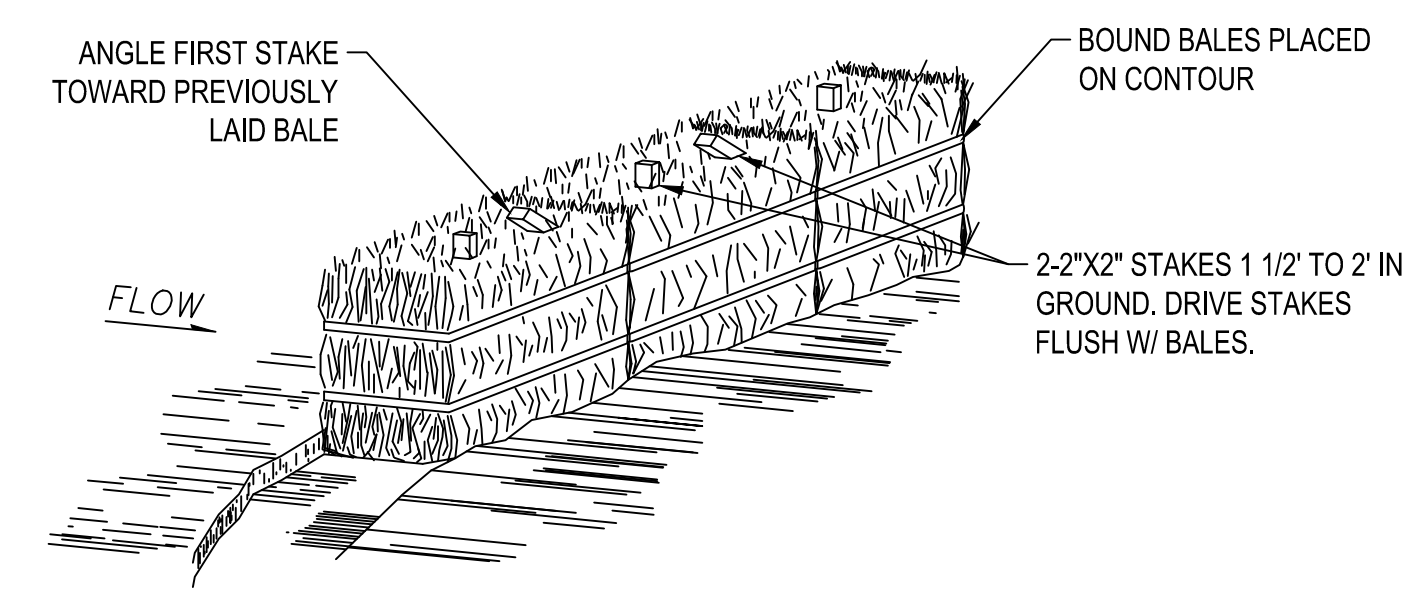
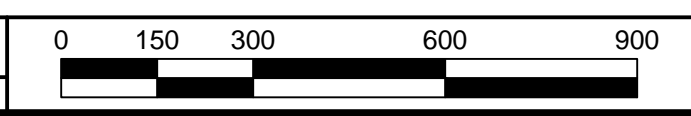


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REMOVE EXISTING HYDRANTS AND REPLACE
LAKE HAVASU CITY MUNICIPAL AIRPORT
LAKE HAVASU CITY, AIRIZONA

B1 STORMWATER POLLUTION PREVENTION PLAN
 SCALE: 1/40'



A1 STRAW BALE INLET PROTECTION
 NOT TO SCALE

■ STRAW BALE INLET PROTECTION

A3 LEGEND
 NOT TO SCALE

1 FURNISH AND INSTALL STRAW BALE INLET PROTECTION. SEE STRAW BALE INLET PROTECTION DETAIL A1, THIS SHEET.

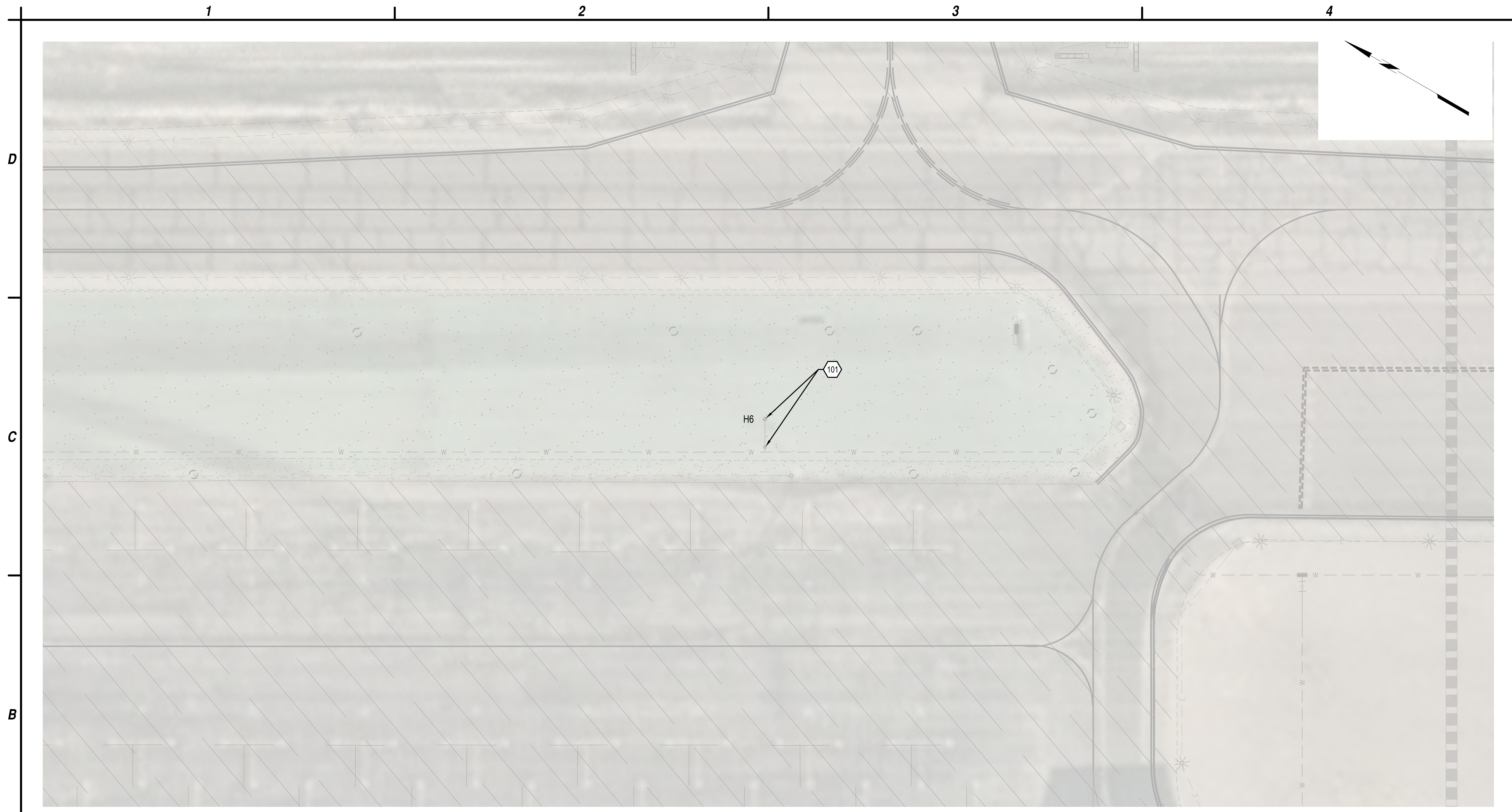
A4 CONSTRUCTION NOTES
 NOT TO SCALE

MARK	DATE	DESCRIPTION
REVISIONS		
		PROJECT NO: K33004002
		DATE: NOVEMBER 2023
		DRAWN BY: RB
		DESIGNED BY: RB
		CHECKED BY: RDG

STORMWATER POLLUTION PREVENTION PLAN

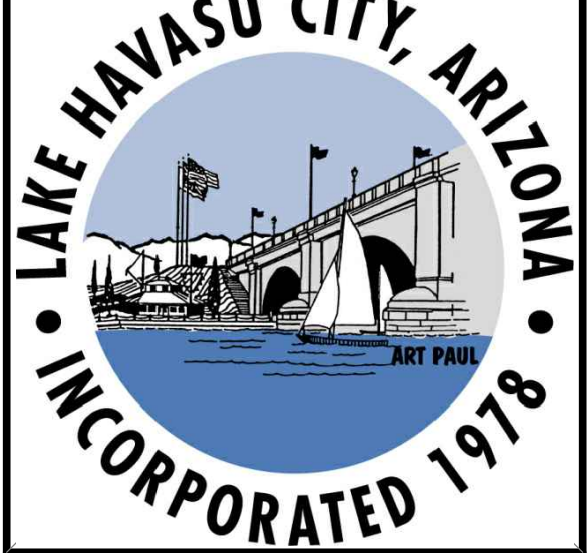
GC102

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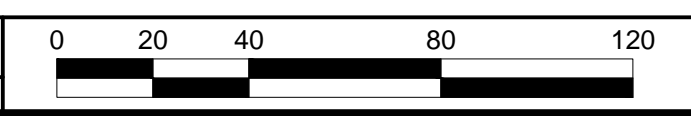


REMOVE EXISTING HYDRANTS AND REPLACE

LAKE HAVASU CITY MUNICIPAL AIRPORT

LAKE HAVASU CITY, AIRIZONA

B1 IMPROVEMENT PLAN
SCALE: 1"=40'



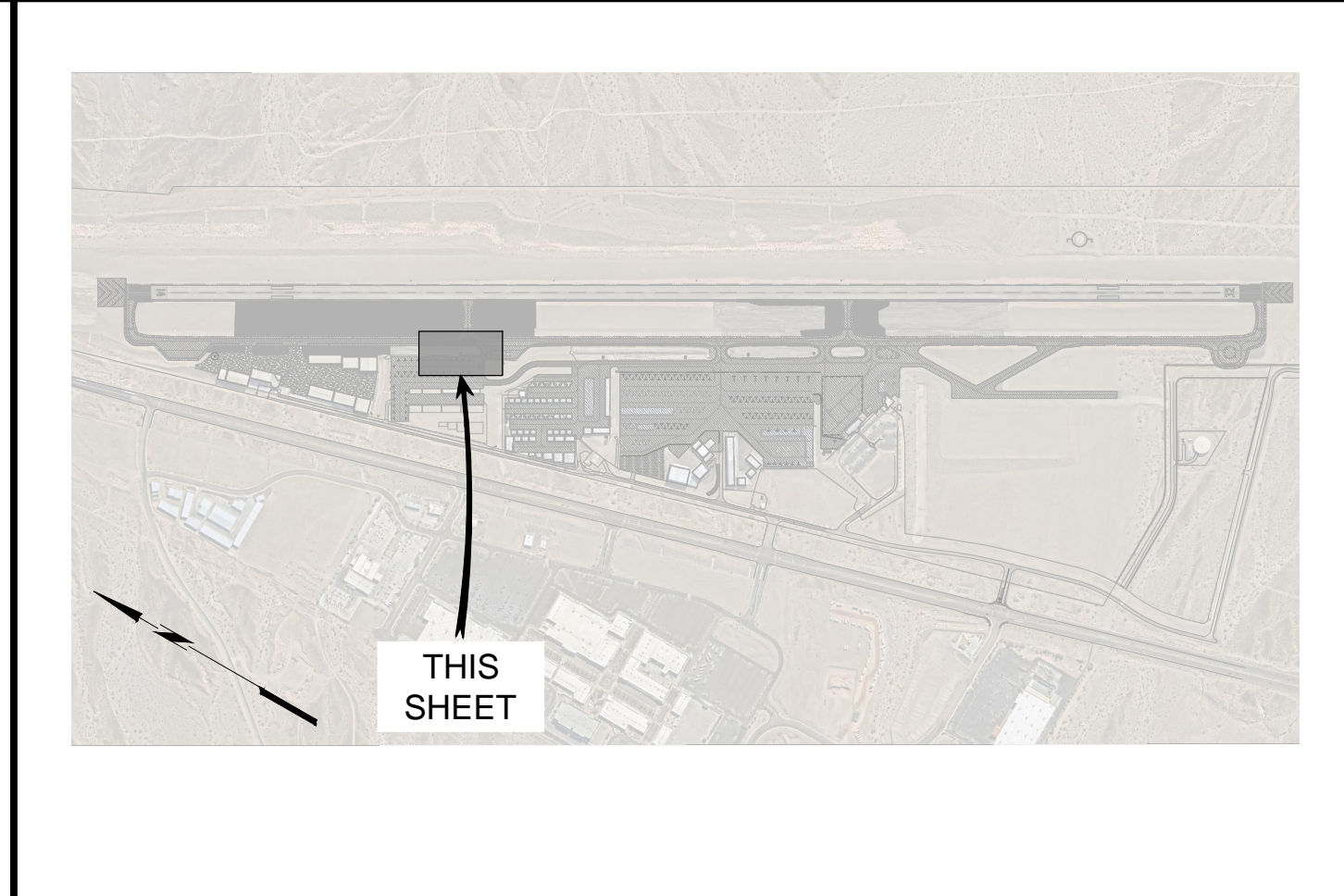
- A1** NOTES
NOT TO SCALE
- CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES IN PLACE.
 - ANY DAMAGE TO EXISTING UTILITIES NOT INDICATED FOR DEMOLITION THAT OCCURS DURING CONSTRUCTION SHALL IMMEDIATELY BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER.

A2 LEGEND
NOT TO SCALE

	EXISTING AC PAVEMENT
	EXISTING 4" AGGREGATE EROSION PROTECTION
	EXISTING SOIL CEMENT

A3 CONSTRUCTION NOTES
NOT TO SCALE

101 REMOVE & SALVAGE EXISTING FIRE HYDRANT ASSEMBLY. SALVAGED FIRE HYDRANT ASSEMBLIES ARE TO BE TURNED OVER TO THE CITY WATER DEPARTMENT. PROTECT EXISTING WATER MAIN IN PLACE. REMOVE EXISTING PIPE AND ANCHOR SYSTEMS TO ACCOMMODATE INSTALLATION OF NEW WORK.

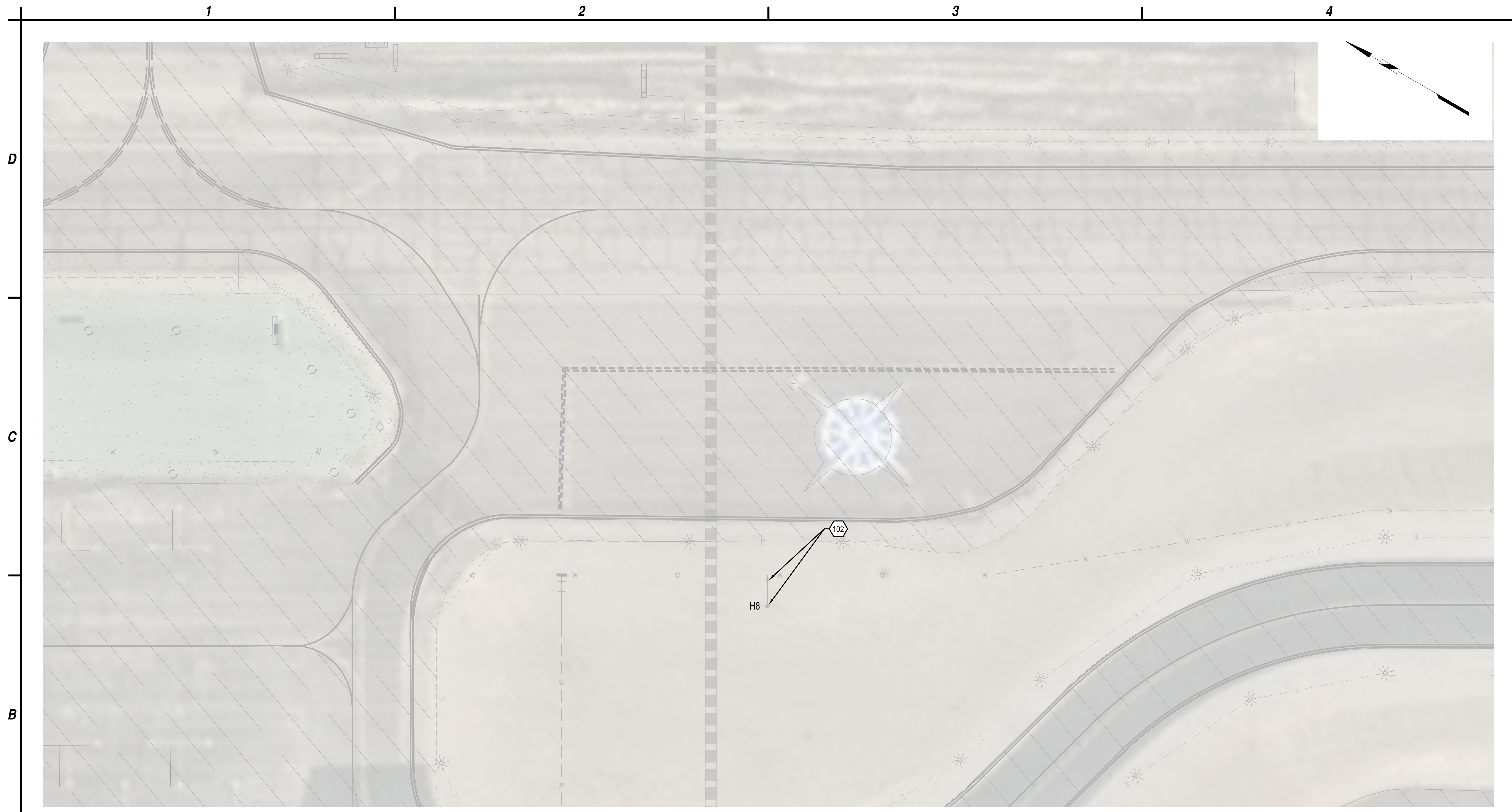


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MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: K33004002		
DATE: NOVEMBER 2023		
DRAWN BY: RB		
DESIGNED BY: RB		
CHECKED BY: RG		

A DEMOLITION PLAN

CD101
7 of 19



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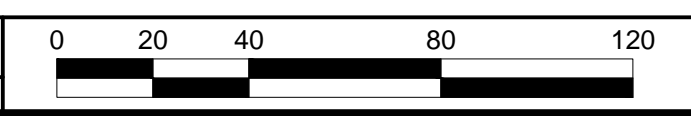


REMOVE EXISTING HYDRANTS AND REPLACE

LAKE HAVASU CITY MUNICIPAL AIRPORT

LAKE HAVASU CITY, ARIZONA

B1 IMPROVEMENT PLAN
SCALE: 1"=40'



A1 NOTES
NOT TO SCALE

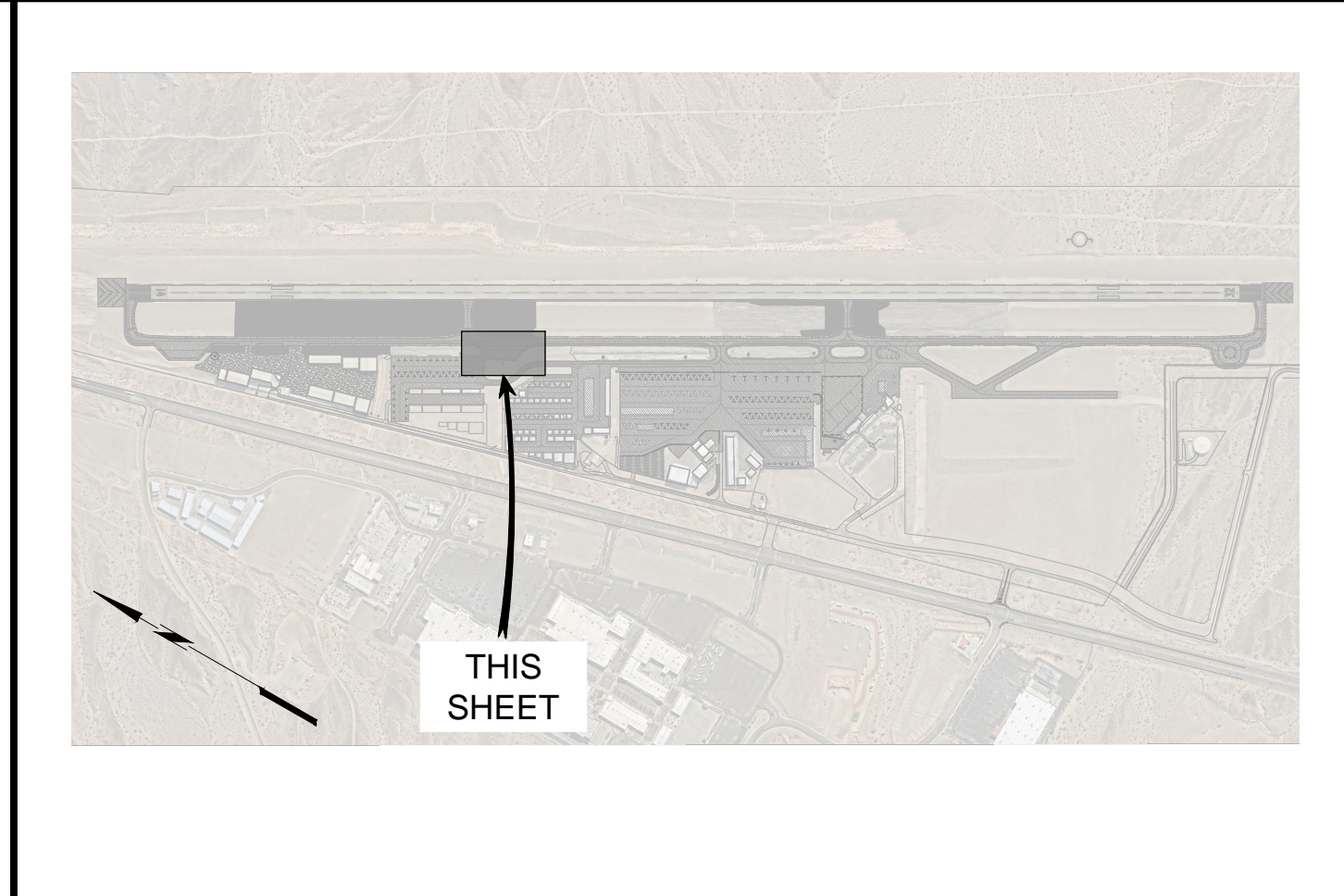
- CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES IN PLACE.
- ANY DAMAGE TO EXISTING UTILITIES NOT INDICATED FOR DEMOLITION THAT OCCURS DURING CONSTRUCTION SHALL IMMEDIATELY BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER.

A2 LEGEND
NOT TO SCALE

	EXISTING AC PAVEMENT
	EXISTING 4" AGGREGATE EROSION PROTECTION
	EXISTING SOIL CEMENT

A3 CONSTRUCTION NOTES
NOT TO SCALE

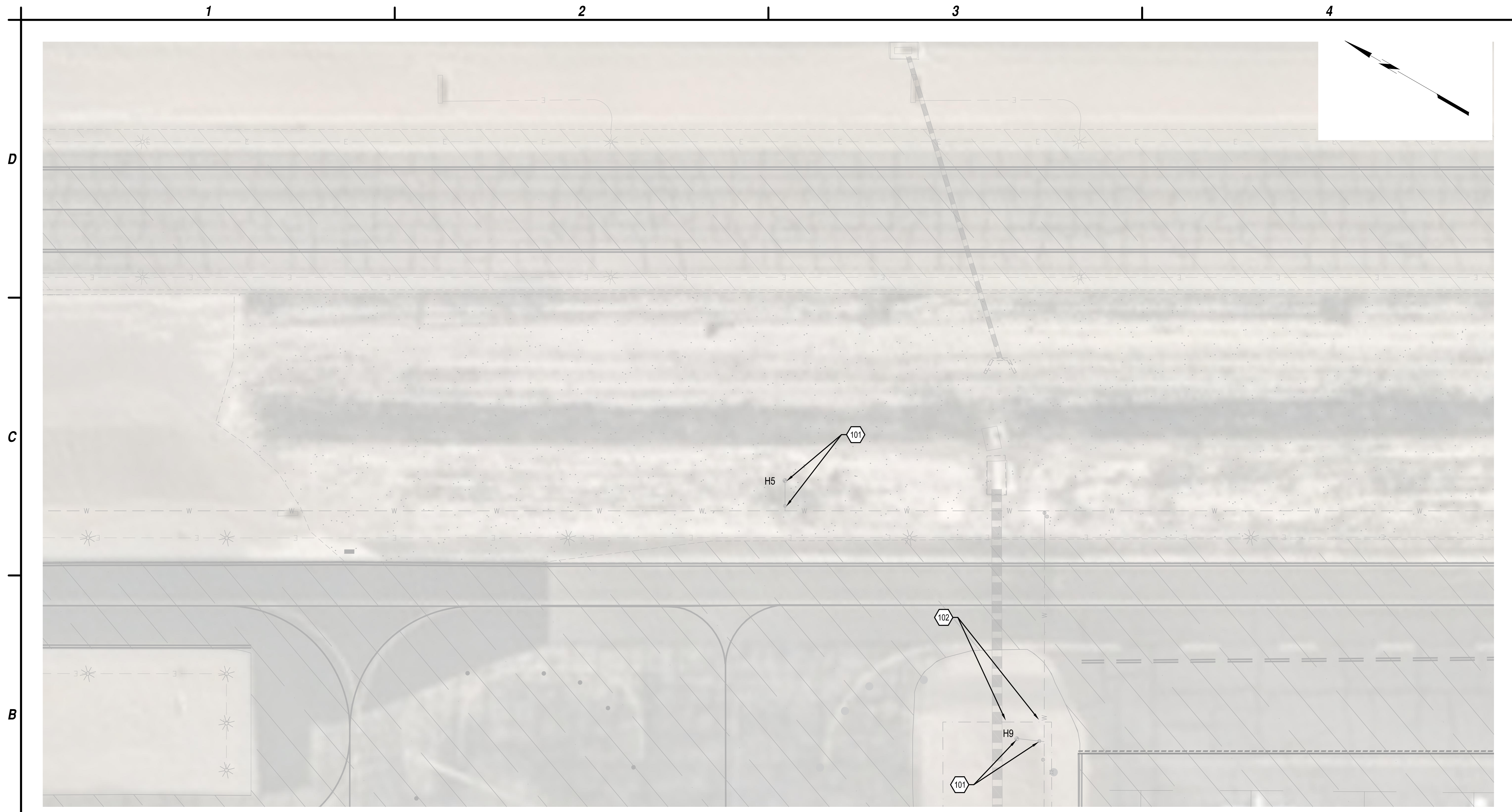
101 REMOVE & SALVAGE EXISTING FIRE HYDRANT ASSEMBLY. SALVAGED FIRE HYDRANT ASSEMBLIES ARE TO BE TURNED OVER TO THE CITY WATER DEPARTMENT. PROTECT EXISTING WATER MAIN IN PLACE. REMOVE EXISTING PIPE AND ANCHOR SYSTEMS TO ACCOMMODATE INSTALLATION OF NEW WORK.



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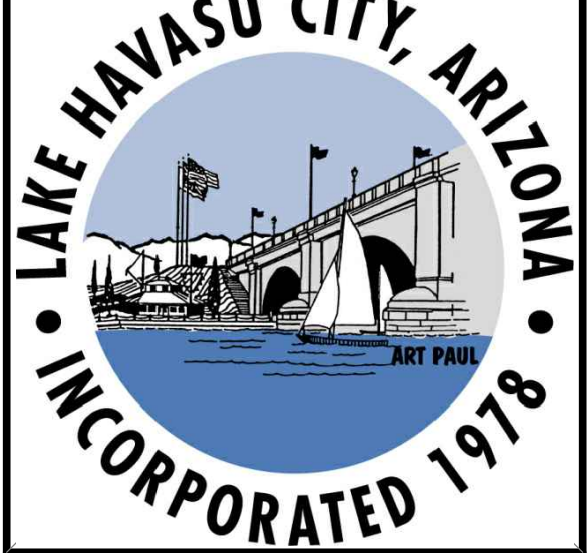
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DEMOLITION PLAN



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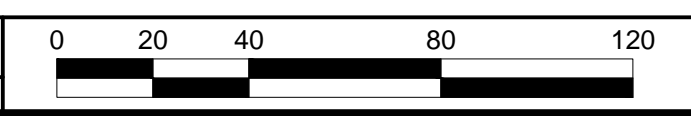
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**REMOVE EXISTING HYDRANTS
AND REPLACE**

**LAKE HAVASU CITY MUNICIPAL AIRPORT
LAKE HAVASU CITY, AIRIZONA**

B1 IMPROVEMENT PLAN
SCALE: 1"=40'



A1 NOTES
NOT TO SCALE

- CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES IN PLACE.
- ANY DAMAGE TO EXISTING UTILITIES NOT INDICATED FOR DEMOLITION THAT OCCURS DURING CONSTRUCTION SHALL IMMEDIATELY BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER.

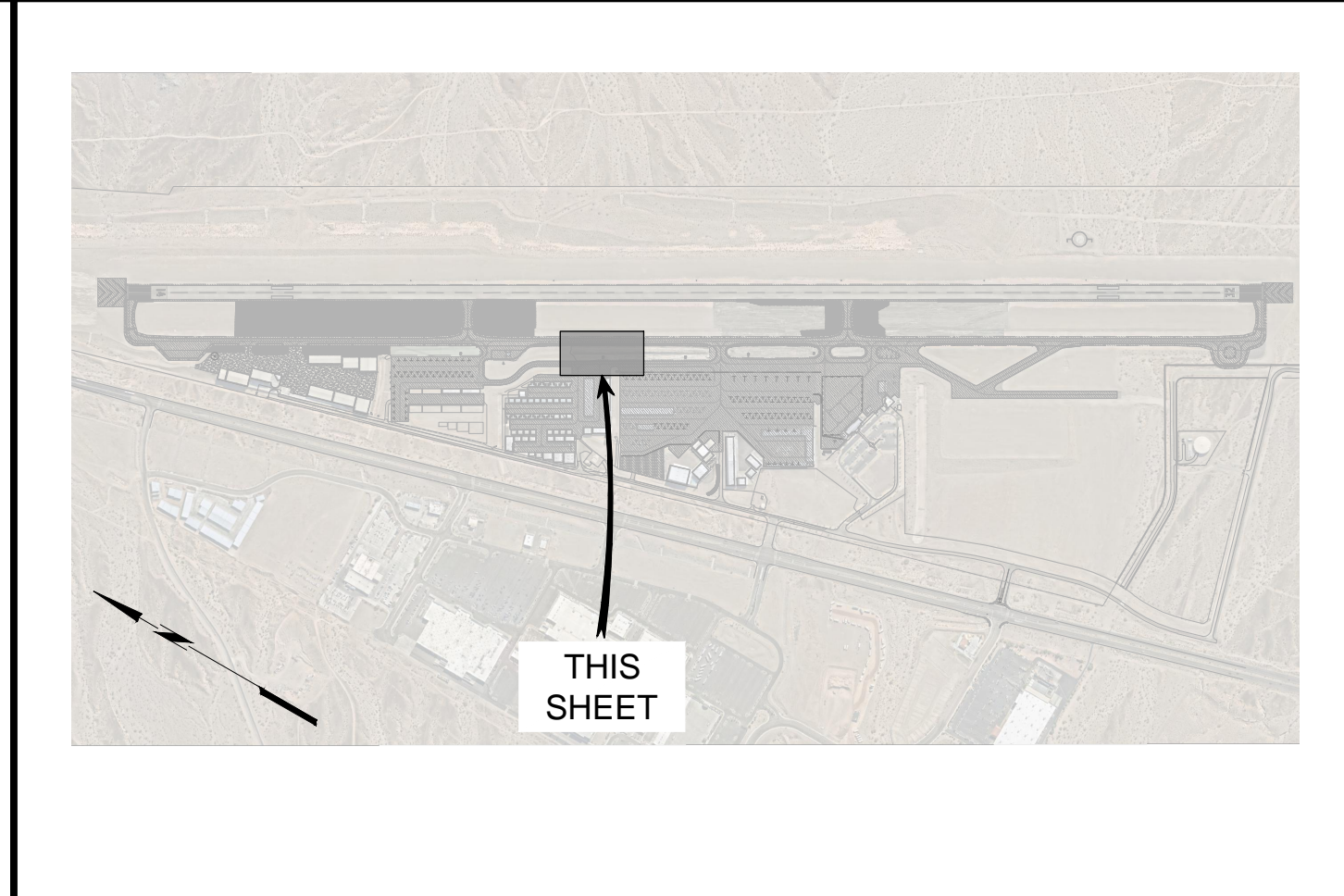
A2 LEGEND
NOT TO SCALE

	EXISTING AC PAVEMENT
	EXISTING 4" AGGREGATE EROSION PROTECTION
	EXISTING SOIL CEMENT

A3 CONSTRUCTION NOTES
NOT TO SCALE

101 REMOVE & SALVAGE EXISTING FIRE HYDRANT ASSEMBLY. SALVAGED FIRE HYDRANT ASSEMBLIES ARE TO BE TURNED OVER TO THE CITY WATER DEPARTMENT. PROTECT EXISTING WATER MAIN IN PLACE. REMOVE EXISTING PIPE AND ANCHOR SYSTEMS TO ACCOMMODATE INSTALLATION OF NEW WORK.

102 DEMOLISH AND REMOVE EXISTING BOLLARDS (2). CUT OFF FLUSH WITH EXISTING GROUND. NON PAY ITEM.



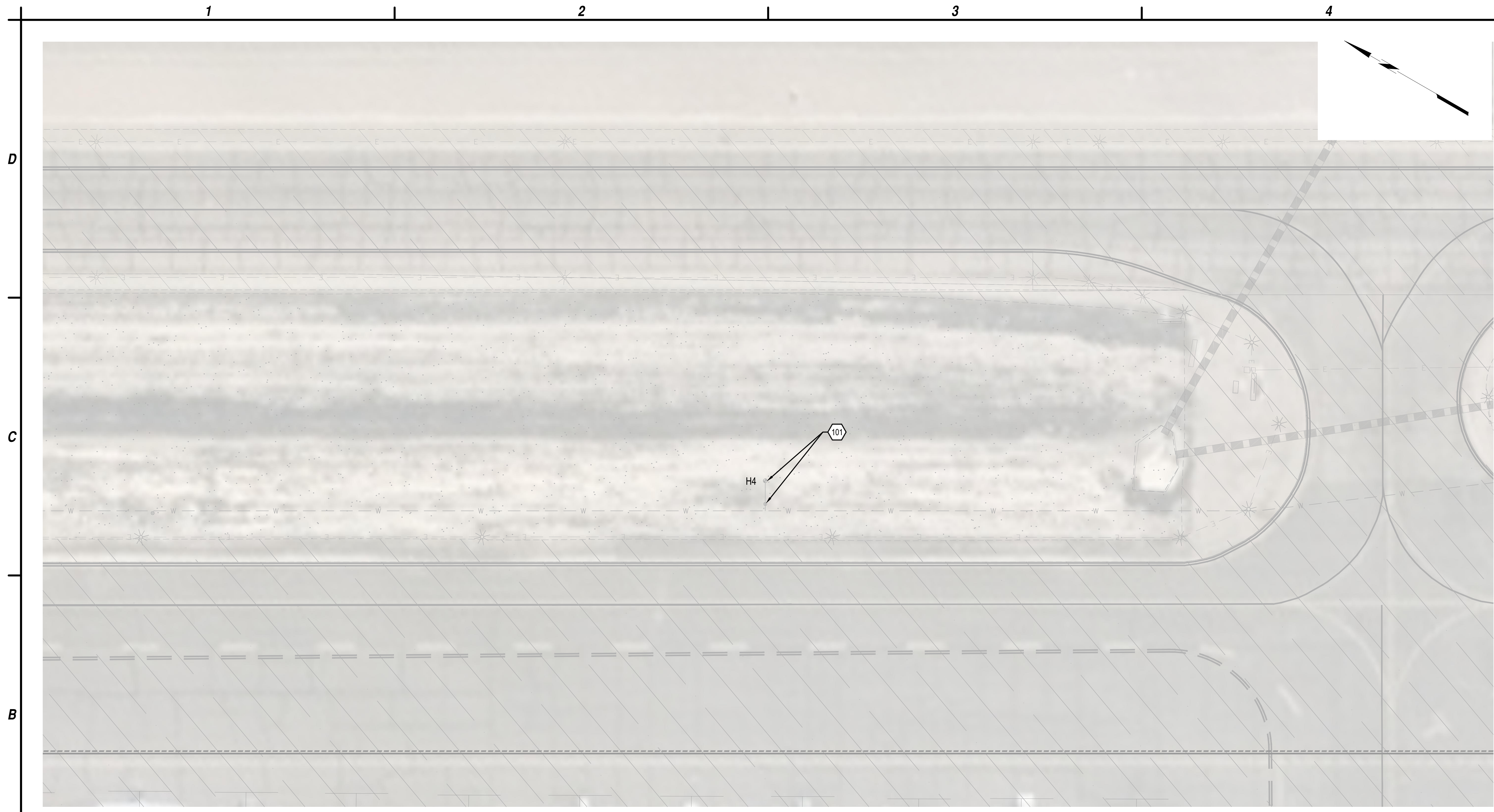
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A DEMOLITION PLAN

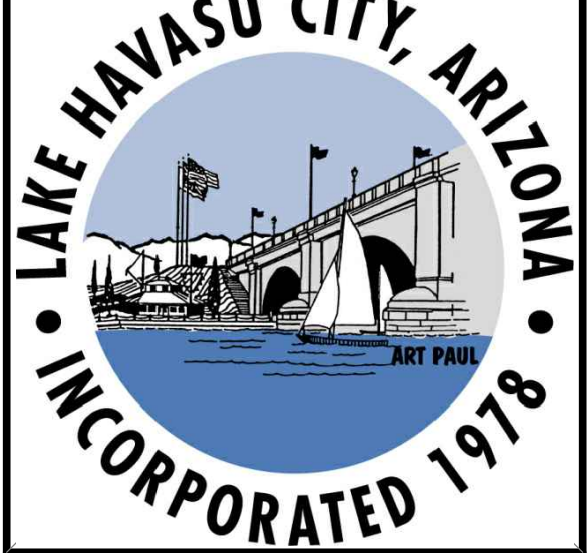
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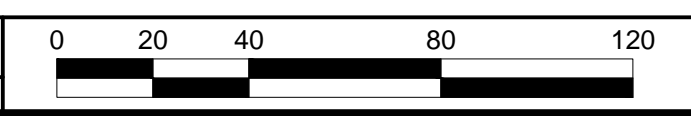
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**REMOVE EXISTING HYDRANTS
AND REPLACE**

**LAKE HAVASU CITY MUNICIPAL AIRPORT
LAKE HAVASU CITY, AIRIZONA**

B1 IMPROVEMENT PLAN
SCALE: 1"=40'



A1 NOTES
NOT TO SCALE

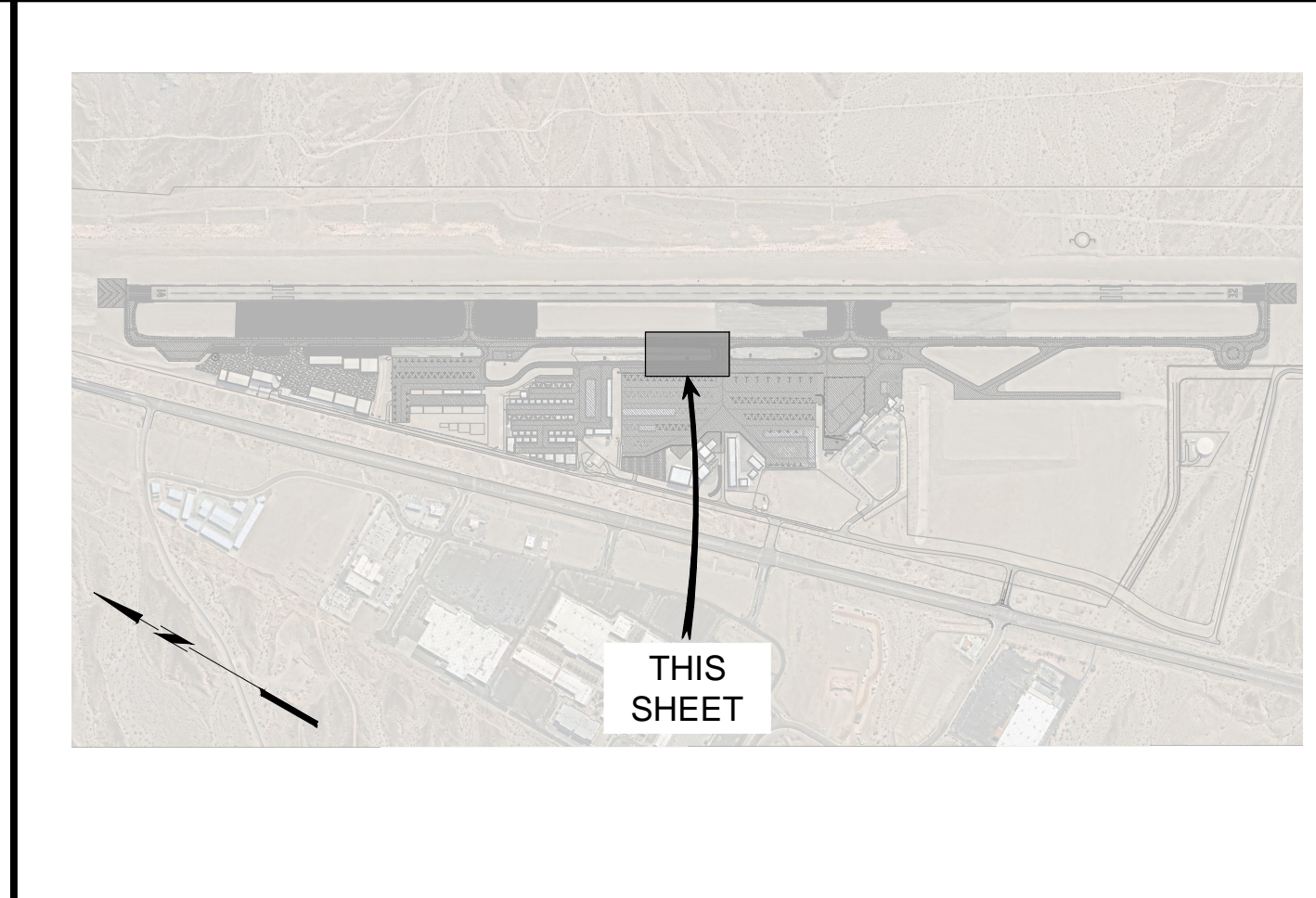
- CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES IN PLACE.
- ANY DAMAGE TO EXISTING UTILITIES NOT INDICATED FOR DEMOLITION THAT OCCURS DURING CONSTRUCTION SHALL IMMEDIATELY BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER.

A2 LEGEND
NOT TO SCALE

	EXISTING AC PAVEMENT
	EXISTING 4" AGGREGATE EROSION PROTECTION
	EXISTING SOIL CEMENT

A3 CONSTRUCTION NOTES
NOT TO SCALE

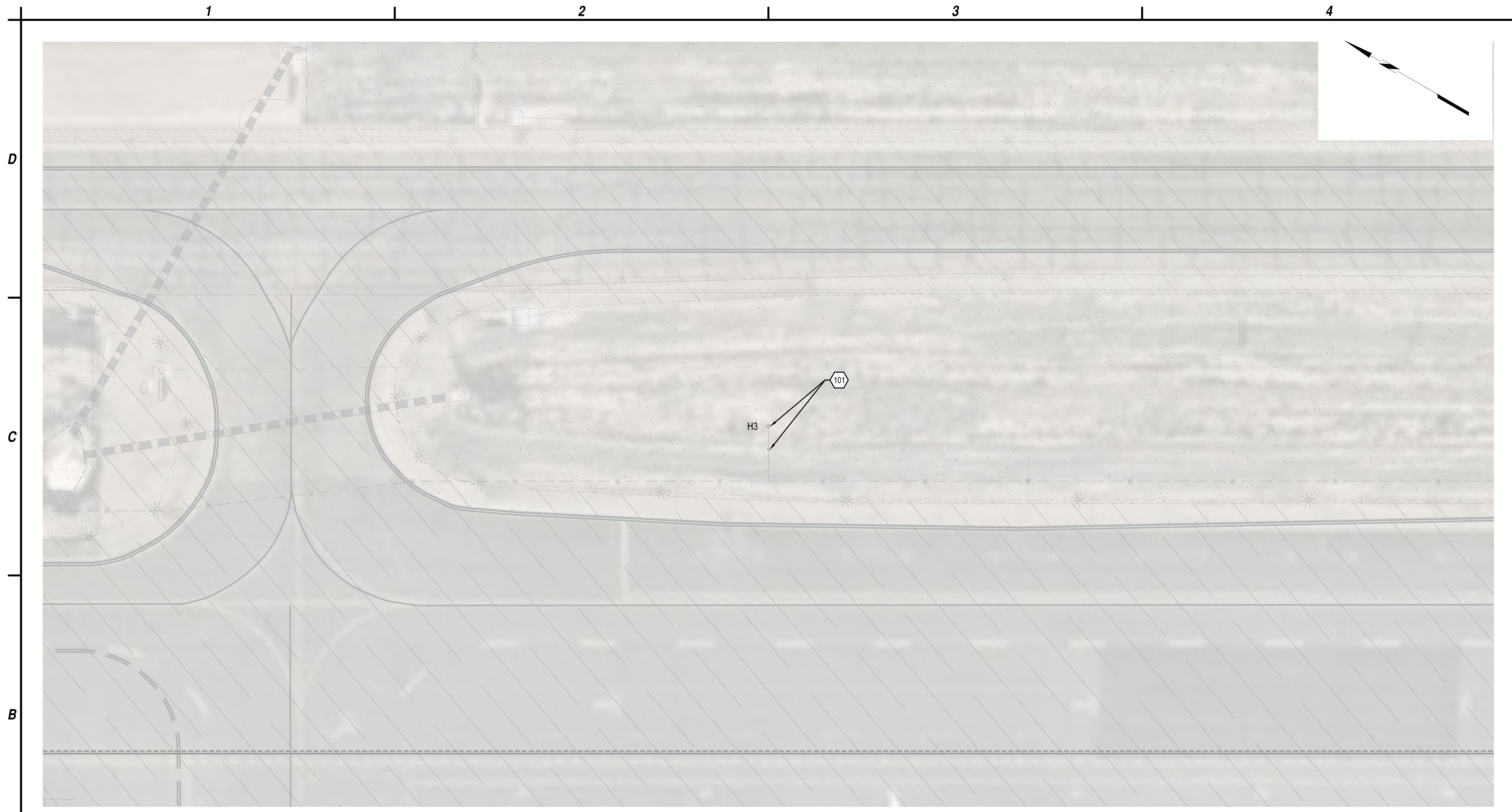
101 REMOVE & SALVAGE EXISTING FIRE HYDRANT ASSEMBLY. SALVAGED FIRE HYDRANT ASSEMBLIES ARE TO BE TURNED OVER TO THE CITY WATER DEPARTMENT. PROTECT EXISTING WATER MAIN IN PLACE. REMOVE EXISTING PIPE AND ANCHOR SYSTEMS TO ACCOMMODATE INSTALLATION OF NEW WORK.



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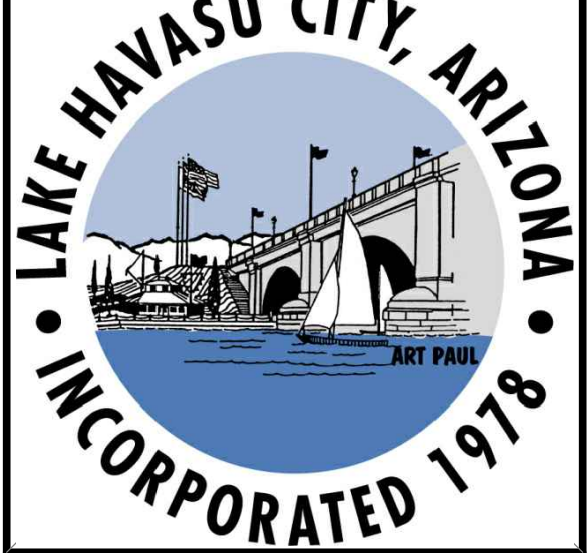
MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: K33004002		
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DRAWN BY: RB		
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A DEMOLITION PLAN



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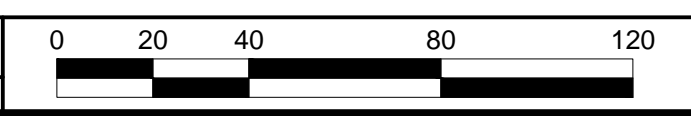


REMOVE EXISTING HYDRANTS AND REPLACE

LAKE HAVASU CITY MUNICIPAL AIRPORT

LAKE HAVASU CITY, AIRIZONA

B1 IMPROVEMENT PLAN
SCALE: 1"=40'



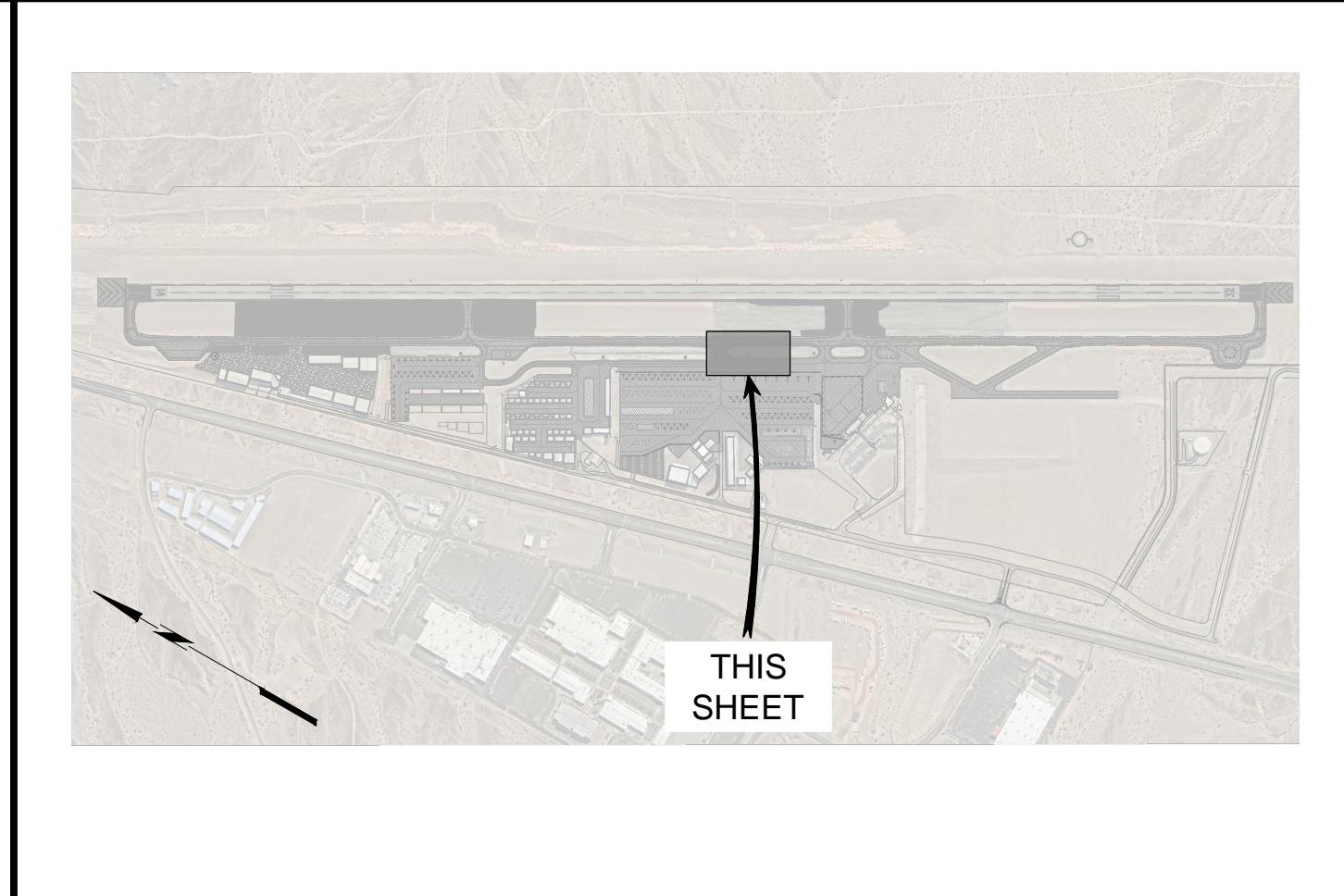
- A1 NOTES**
NOT TO SCALE
- CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES IN PLACE.
 - ANY DAMAGE TO EXISTING UTILITIES NOT INDICATED FOR DEMOLITION THAT OCCURS DURING CONSTRUCTION SHALL IMMEDIATELY BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER.

A2 LEGEND
NOT TO SCALE

	EXISTING AC PAVEMENT
	EXISTING 4" AGGREGATE EROSION PROTECTION
	EXISTING SOIL CEMENT

A3 CONSTRUCTION NOTES
NOT TO SCALE

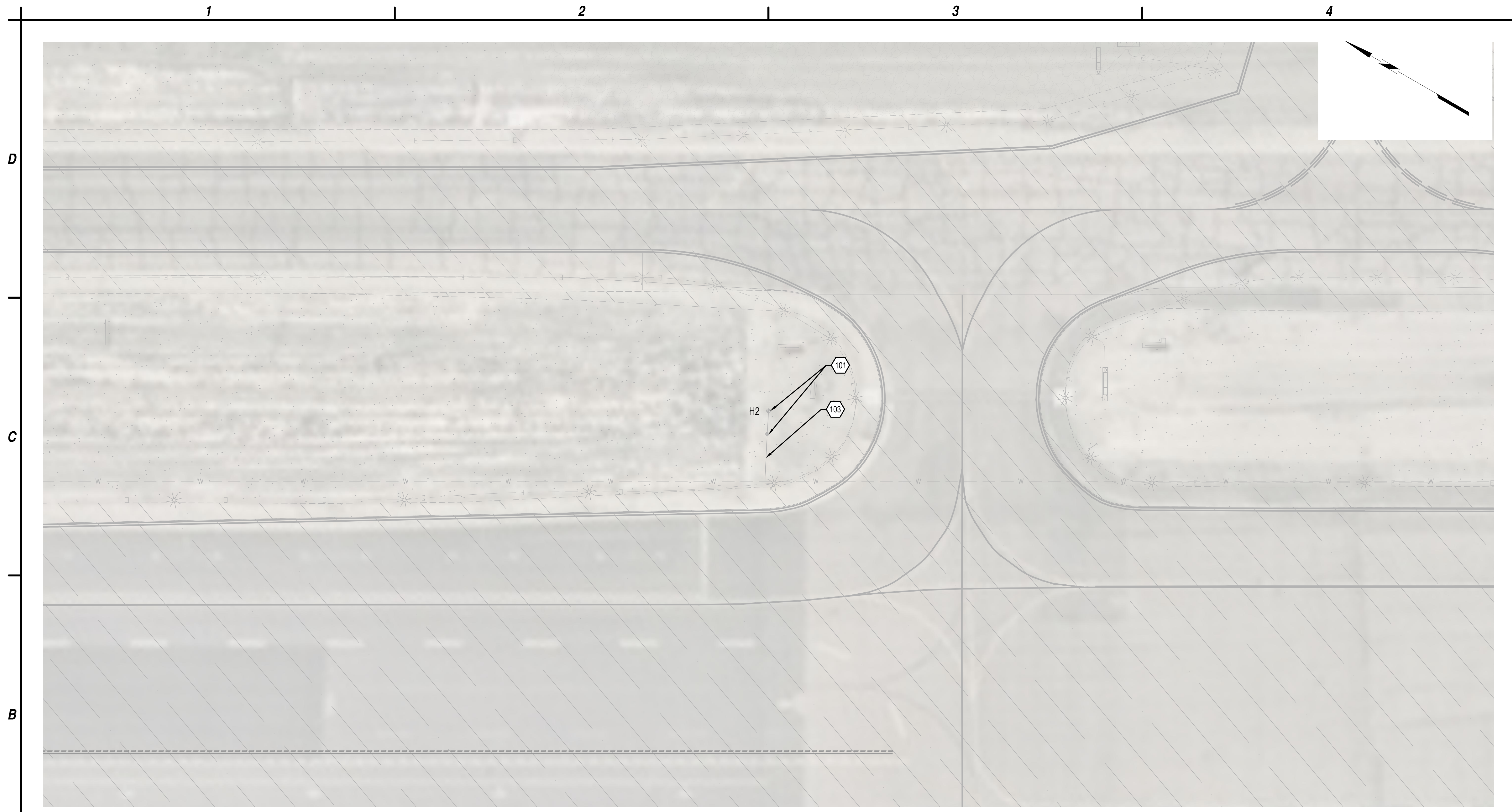
REMOVE & SALVAGE EXISTING FIRE HYDRANT ASSEMBLY. SALVAGED FIRE HYDRANT ASSEMBLIES ARE TO BE TURNED OVER TO THE CITY WATER DEPARTMENT. PROTECT EXISTING WATER MAIN IN PLACE. REMOVE EXISTING PIPE AND ANCHOR SYSTEMS TO ACCOMMODATE INSTALLATION OF NEW WORK.



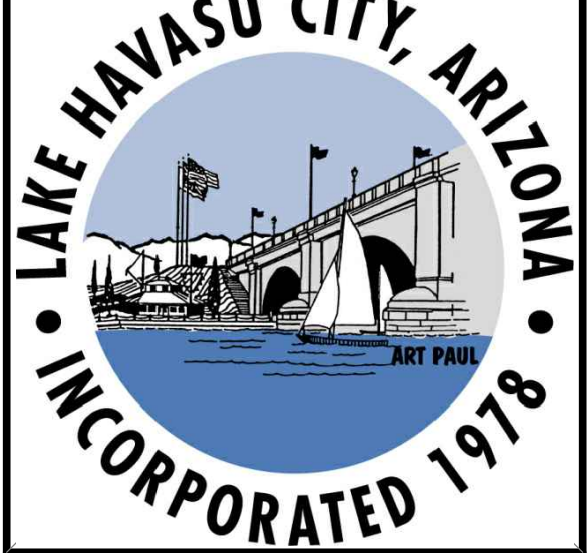
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REVISIONS		
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		DATE: NOVEMBER 2023
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A DEMOLITION PLAN



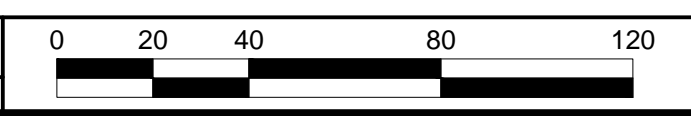
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**REMOVE EXISTING HYDRANTS
 AND REPLACE**

**LAKE HAVASU CITY MUNICIPAL AIRPORT
 LAKE HAVASU CITY, AIRIZONA**

B1 IMPROVEMENT PLAN
 SCALE: 1"=40'

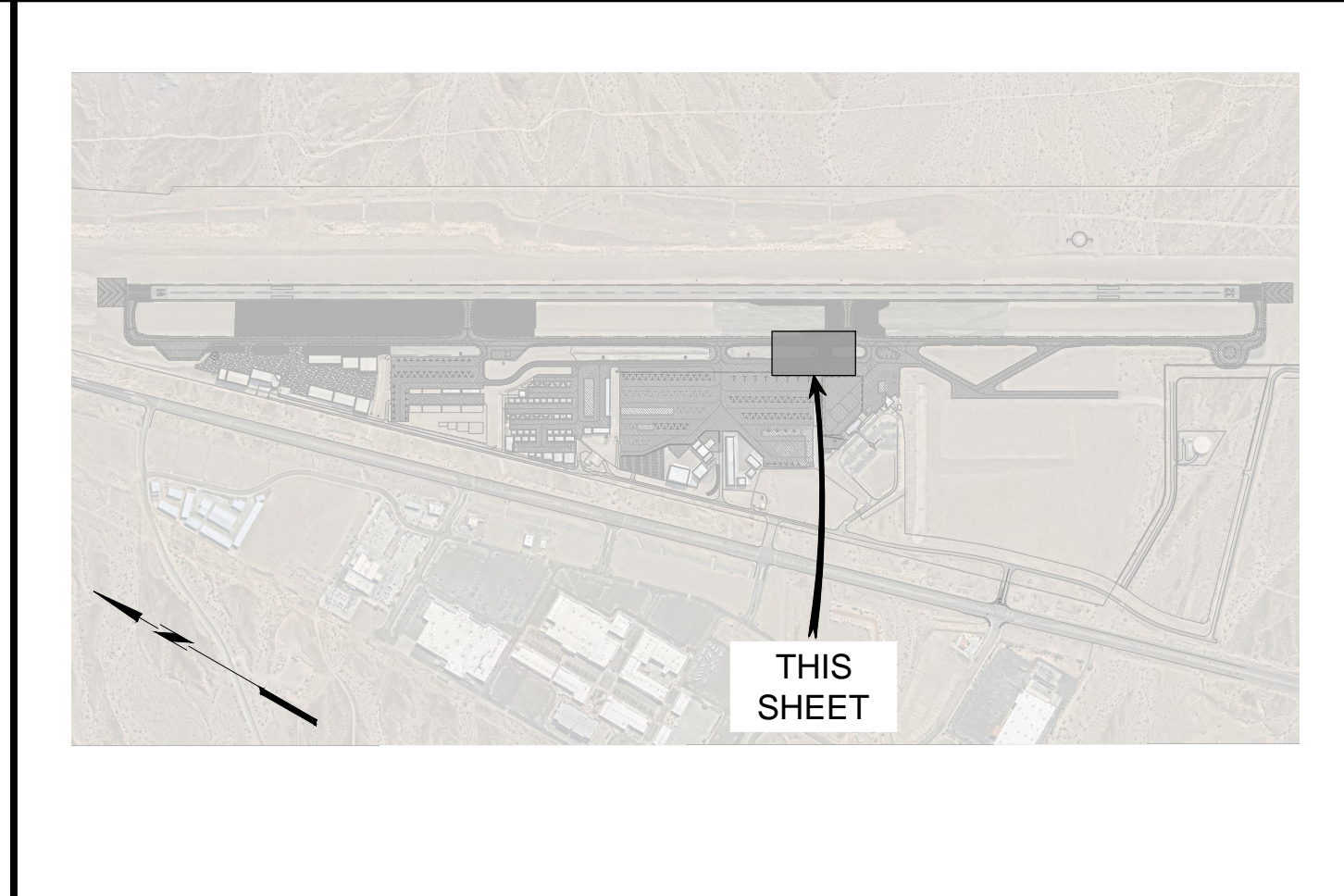


- A1 NOTES**
 NOT TO SCALE
- CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES IN PLACE.
 - ANY DAMAGE TO EXISTING UTILITIES NOT INDICATED FOR DEMOLITION THAT OCCURS DURING CONSTRUCTION SHALL IMMEDIATELY BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER.

A2 LEGEND
 NOT TO SCALE

	EXISTING AC PAVEMENT
	EXISTING 4" AGGREGATE EROSION PROTECTION
	EXISTING SOIL CEMENT
H#	HYDRANT NUMBER

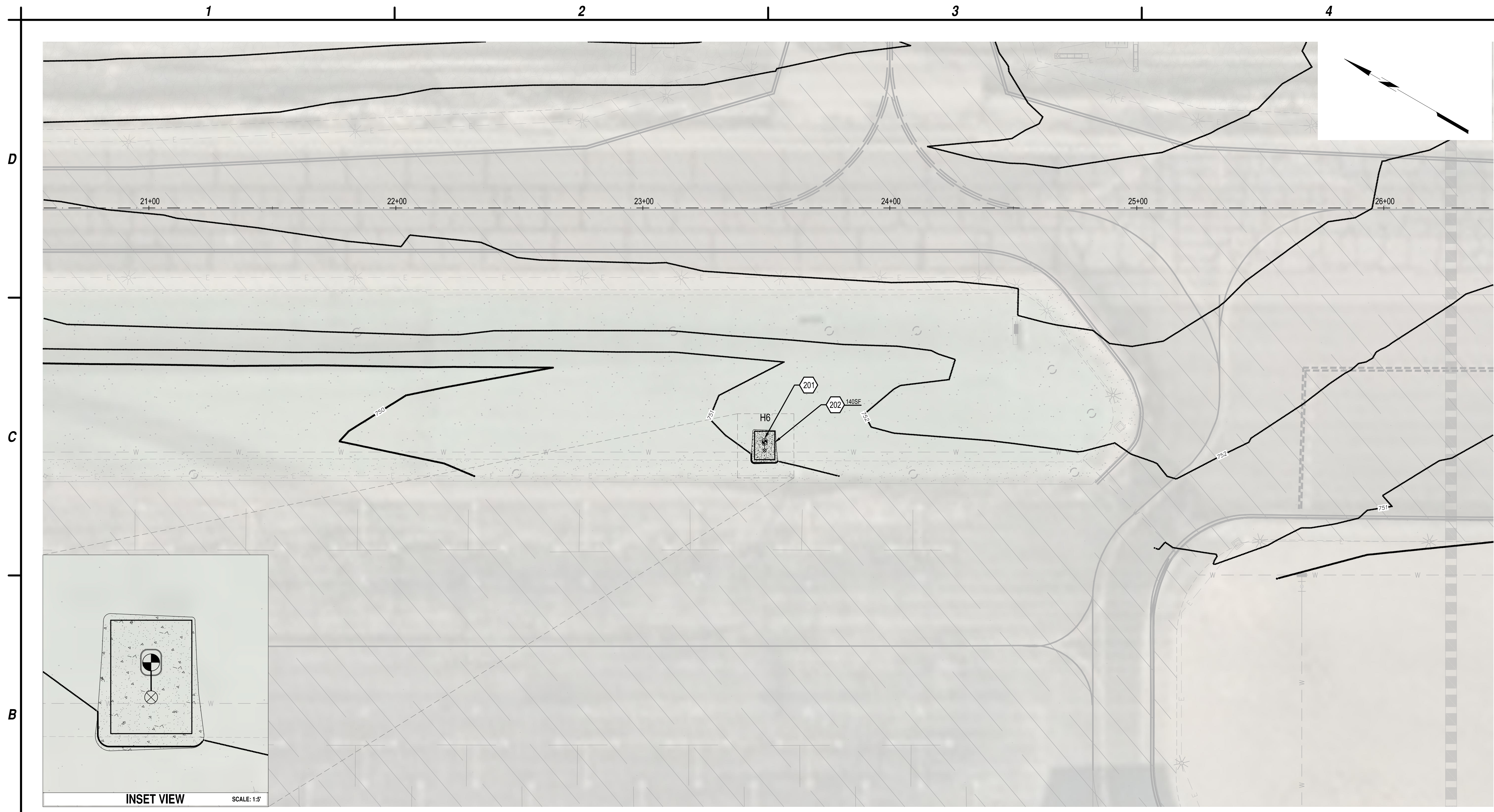
- A3 CONSTRUCTION NOTES**
 NOT TO SCALE
- 101 REMOVE & SALVAGE EXISTING FIRE HYDRANT ASSEMBLY. SALVAGED FIRE HYDRANT ASSEMBLIES ARE TO BE TURNED OVER TO THE CITY WATER DEPARTMENT. PROTECT EXISTING WATER MAIN IN PLACE. REMOVE EXISTING PIPE AND ANCHOR SYSTEMS TO ACCOMMODATE INSTALLATION OF NEW WORK.
- 103 PROTECT EXISTING PIPE SEGMENT (FROM WATER MAIN TO VALVE) IN PLACE. (NEW VALVE AND HYDRANT ASSEMBLY WILL ATTACH HERE IN THIS LOCATION.)



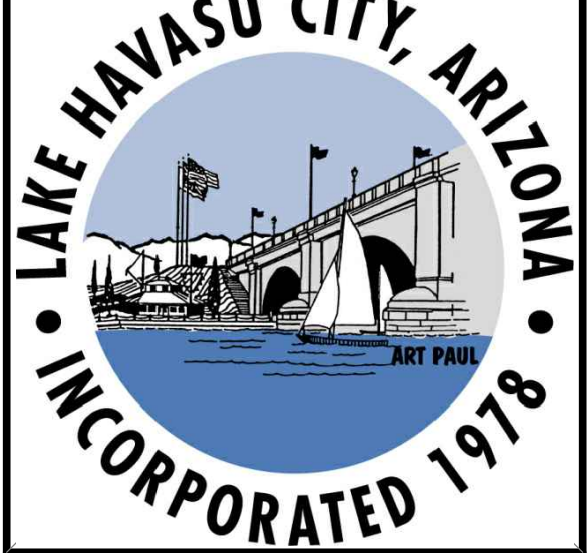
MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: K33004002		
DATE: NOVEMBER 2023		
DRAWN BY: RB		
DESIGNED BY: RB		
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DEMOLITION PLAN

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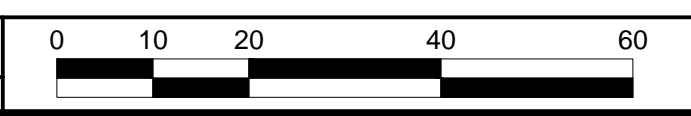
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**REMOVE EXISTING HYDRANTS
 AND REPLACE**

**LAKE HAVASU CITY MUNICIPAL AIRPORT
 LAKE HAVASU CITY, AIRIZONA**

B1 IMPROVEMENT PLAN
 SCALE: 1:20'

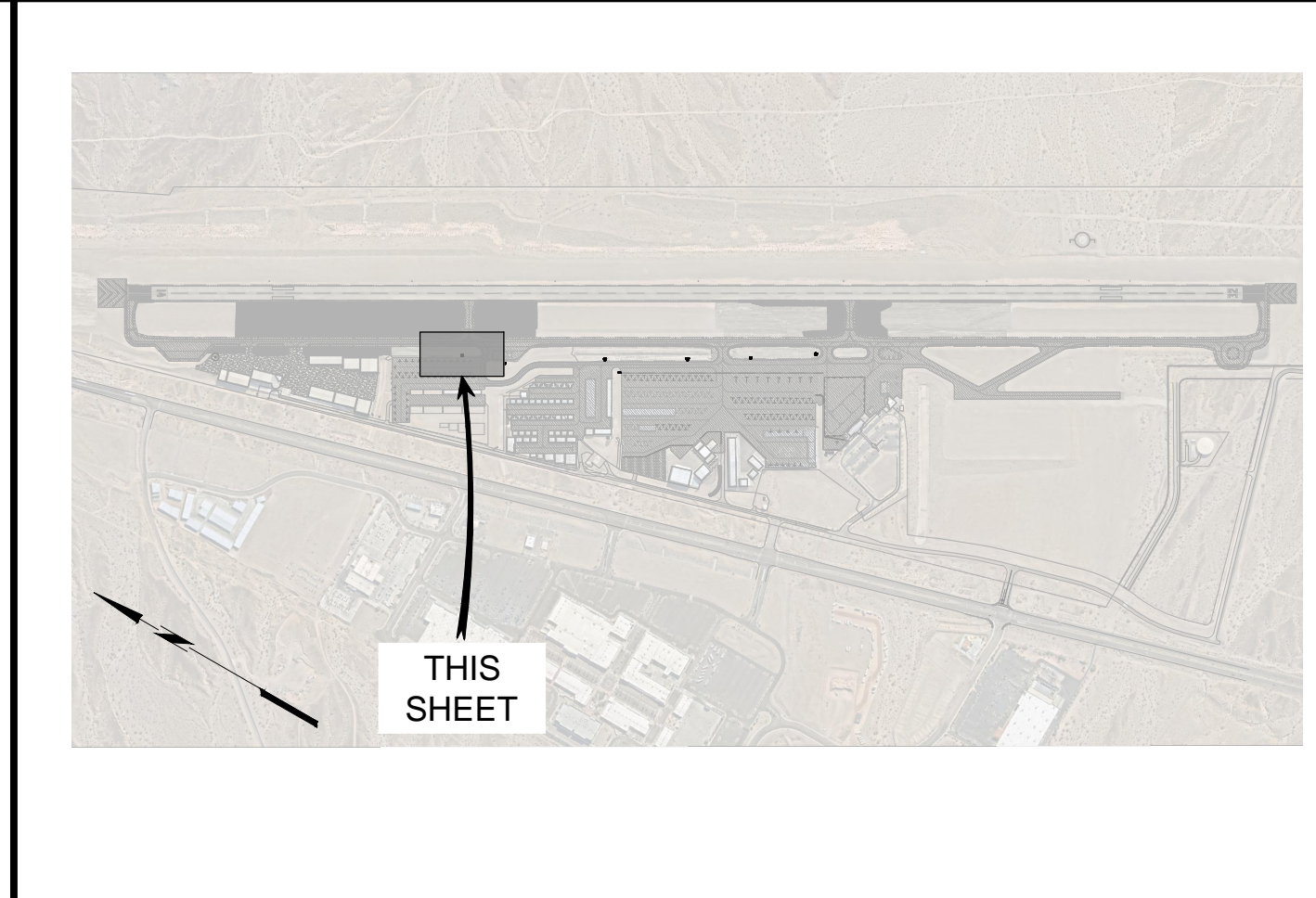


- A1 NOTES**
 NOT TO SCALE
- CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES IN PLACE.
 - ANY DAMAGE TO EXISTING UTILITIES NOT INDICATED FOR DEMOLITION THAT OCCURS DURING CONSTRUCTION SHALL IMMEDIATELY BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER.

A2 LEGEND
 NOT TO SCALE

H#	HYDRANT NUMBER
	PROPOSED CONCRETE
	EXISTING AC PAVEMENT
	EXISTING 4" AGGREGATE EROSION PROTECTION
	EXISTING SOIL CEMENT

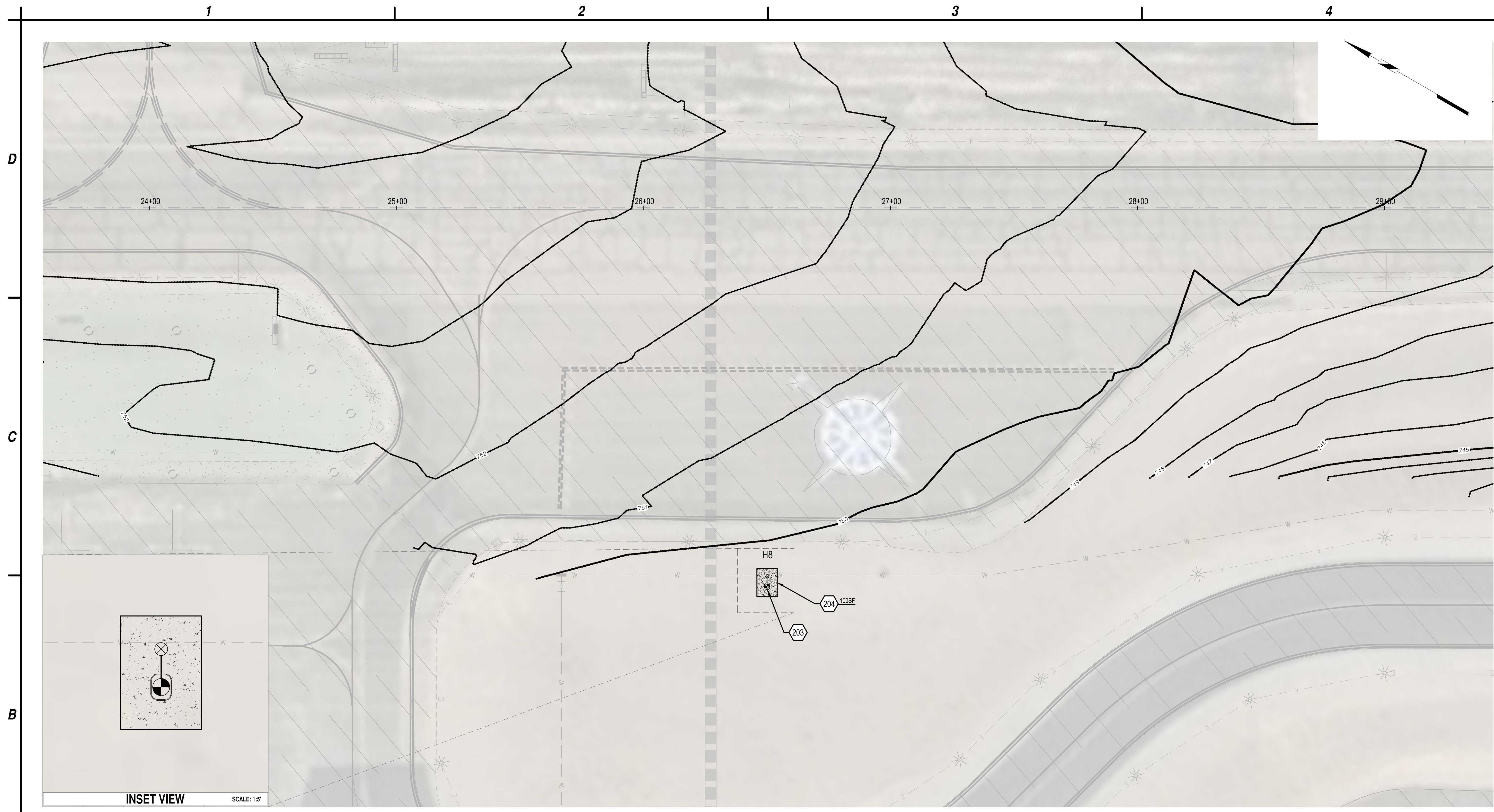
- A3 CONSTRUCTION NOTES**
 NOT TO SCALE
- FURNISH AND INSTALL NEW FLUSH MOUNTED FIRE HYDRANT ASSEMBLY PER DETAIL C1, SHEET CP501.
 - FURNISH AND CONSTRUCT NEW CONCRETE PAD PER DETAIL C1, SHEET CP501.



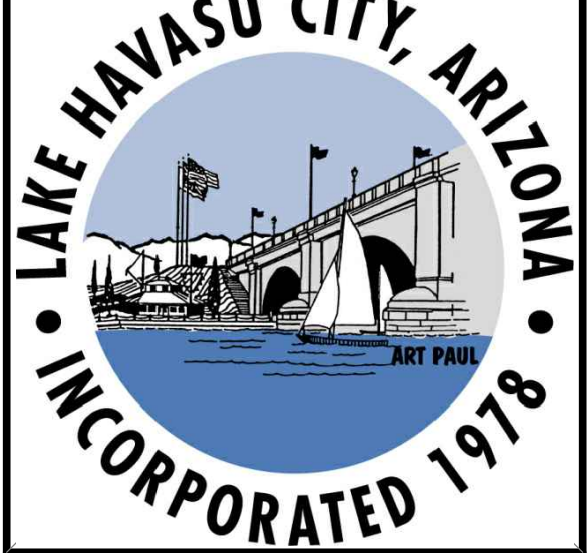
MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: K33004002		
DATE: NOVEMBER 2023		
DRAWN BY: RB		
DESIGNED BY: RB		
CHECKED BY: RDG		

IMPROVEMENT PLAN

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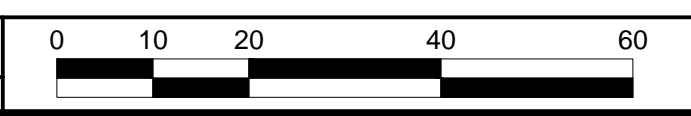


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REMOVE EXISTING HYDRANTS AND REPLACE
LAKE HAVASU CITY MUNICIPAL AIRPORT
LAKE HAVASU CITY, AIRIZONA

B1 IMPROVEMENT PLAN
 SCALE: 1:20'



A1 NOTES
 NOT TO SCALE

- CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES IN PLACE.
- ANY DAMAGE TO EXISTING UTILITIES NOT INDICATED FOR DEMOLITION THAT OCCURS DURING CONSTRUCTION SHALL IMMEDIATELY BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER.

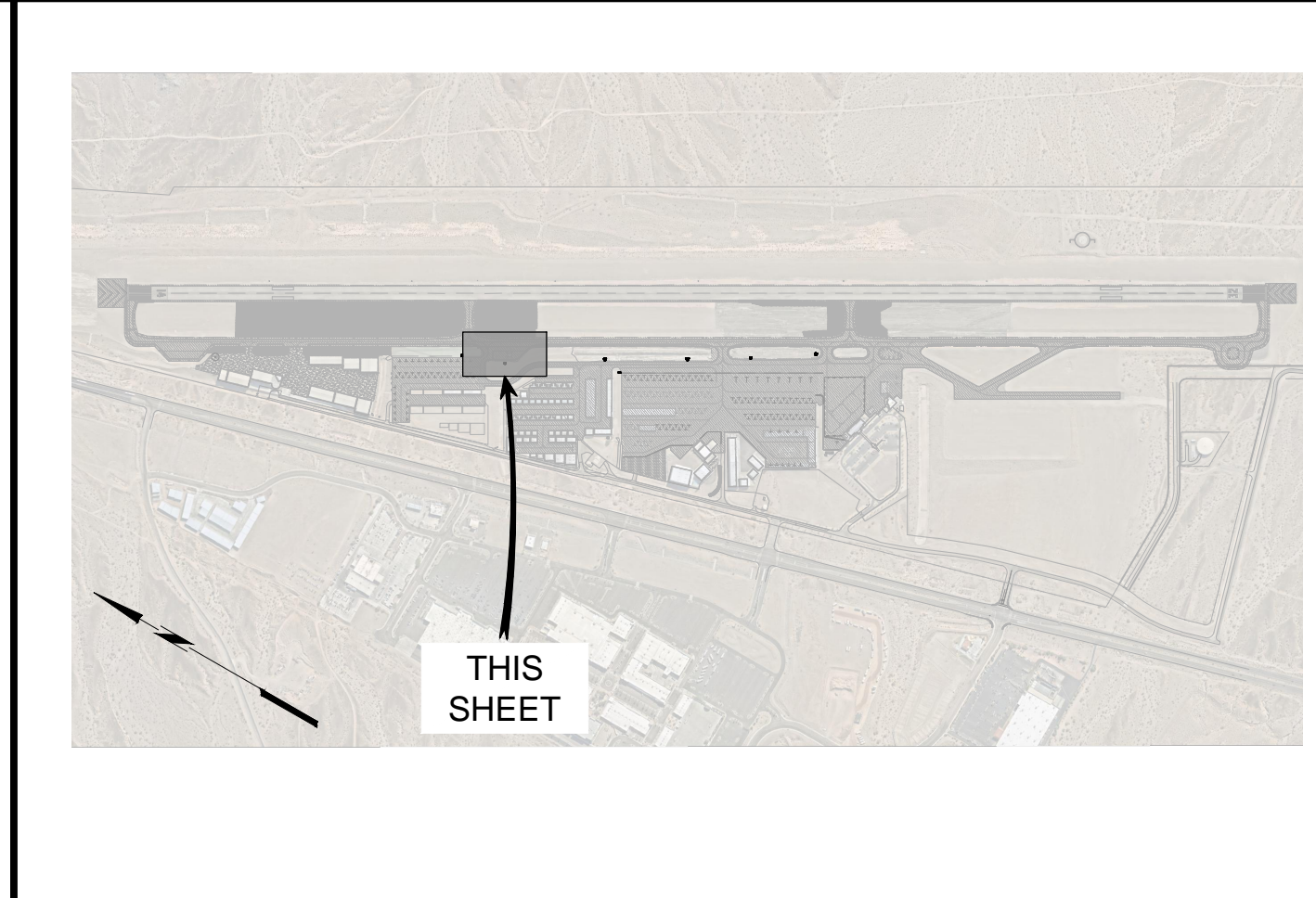
A2 LEGEND
 NOT TO SCALE

H#	HYDRANT NUMBER
	PROPOSED CONCRETE
	EXISTING AC PAVEMENT
	EXISTING 4" AGGREGATE EROSION PROTECTION
	EXISTING SOIL CEMENT

A3 CONSTRUCTION NOTES
 NOT TO SCALE

203 FURNISH AND INSTALL NEW FLUSH MOUNTED FIRE HYDRANT ASSEMBLY PER DETAIL C3, SHEET CP501.

204 FURNISH AND CONSTRUCT NEW CONCRETE PAD PER DETAIL C3, SHEET CP501.



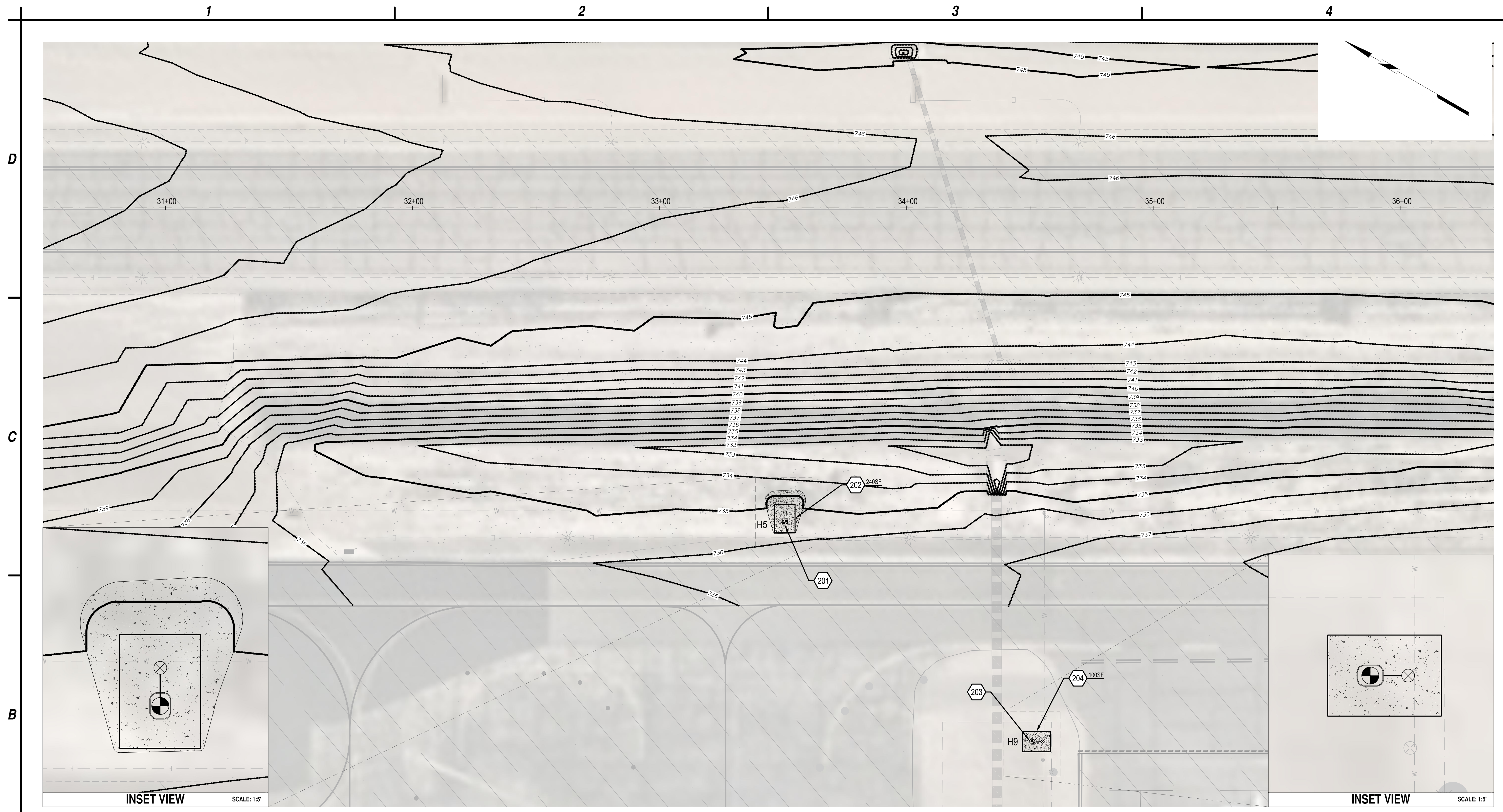
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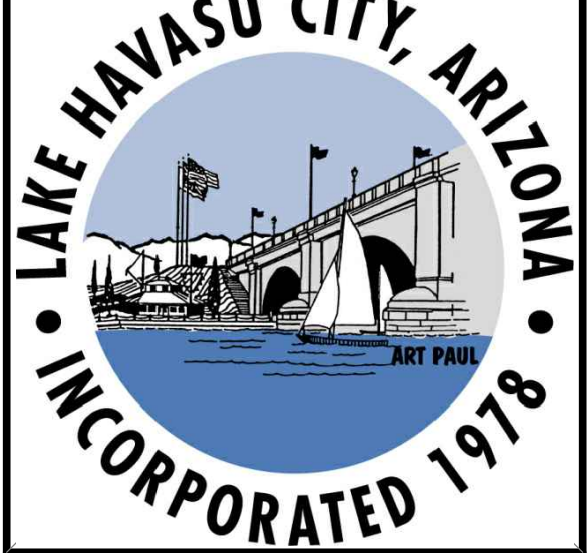
A IMPROVEMENT PLAN

CG102

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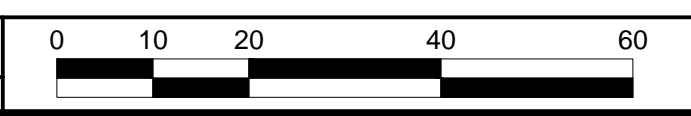


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 Suite 740
 Phoenix, Arizona 85016
 Phone: 602-997-7536
 Fax: 602-997-7592
 www.cscos.com



REMOVE EXISTING HYDRANTS AND REPLACE
LAKE HAVASU CITY MUNICIPAL AIRPORT
LAKE HAVASU CITY, ARIZONA

B1 IMPROVEMENT PLAN
 SCALE: 1:20'

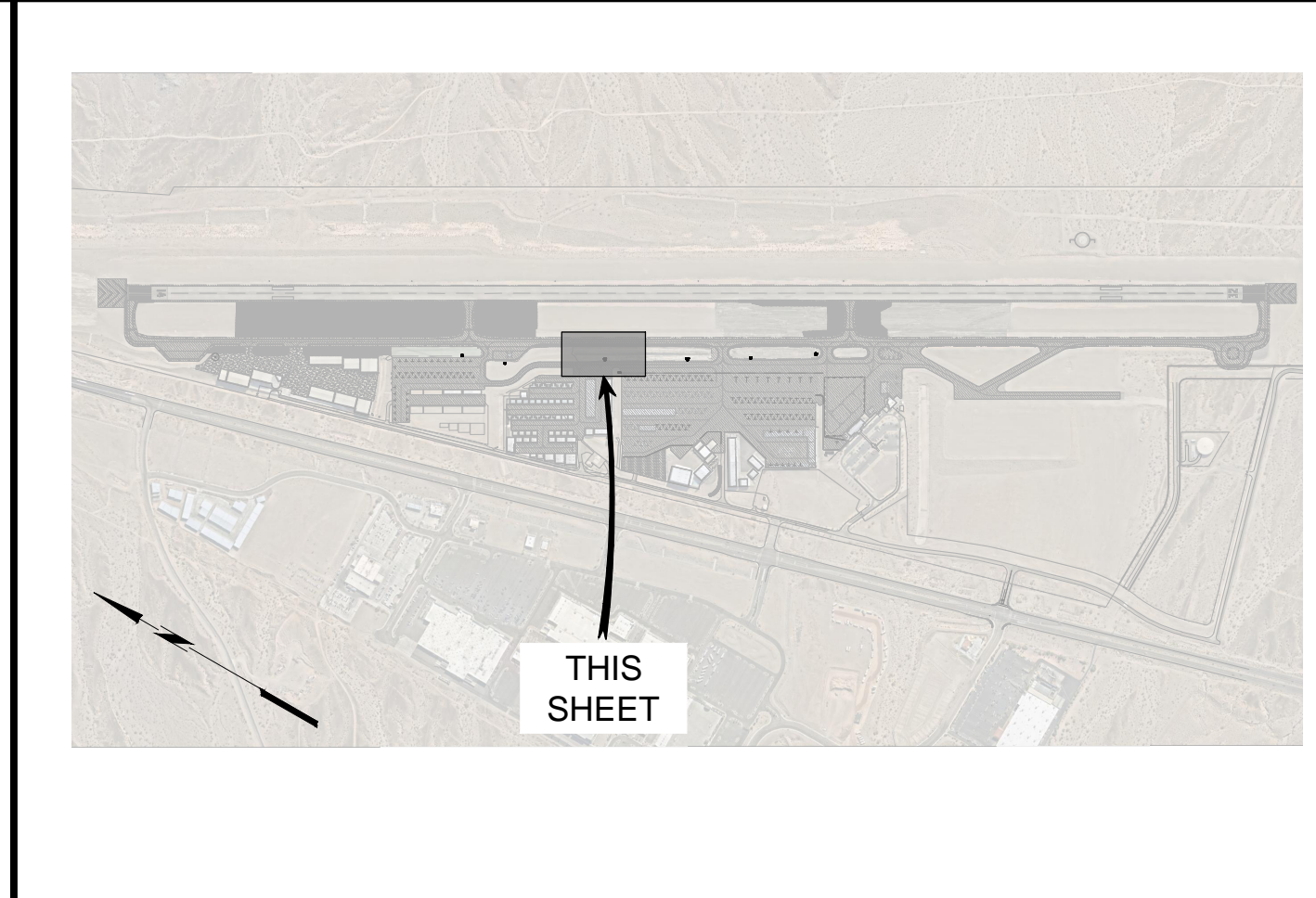


- A1 NOTES**
 NOT TO SCALE
- CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES IN PLACE.
 - ANY DAMAGE TO EXISTING UTILITIES NOT INDICATED FOR DEMOLITION THAT OCCURS DURING CONSTRUCTION SHALL IMMEDIATELY BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER.

A2 LEGEND
 NOT TO SCALE

H#	HYDRANT NUMBER
	PROPOSED CONCRETE
	EXISTING AC PAVEMENT
	EXISTING 4" AGGREGATE EROSION PROTECTION
	EXISTING SOIL CEMENT

- A3 CONSTRUCTION NOTES**
 NOT TO SCALE
- 201** FURNISH AND INSTALL NEW FLUSH MOUNTED FIRE HYDRANT ASSEMBLY PER DETAIL C1, SHEET CP501.
 - 202** FURNISH AND CONSTRUCT NEW CONCRETE PAD PER DETAIL C1, SHEET CP501.
 - 203** FURNISH AND INSTALL NEW FLUSH MOUNTED FIRE HYDRANT ASSEMBLY PER DETAIL C3, SHEET CP501.
 - 204** FURNISH AND CONSTRUCT NEW CONCRETE PAD PER DETAIL C3, SHEET CP501.



A1 NOTES
 NOT TO SCALE

A2 LEGEND
 NOT TO SCALE

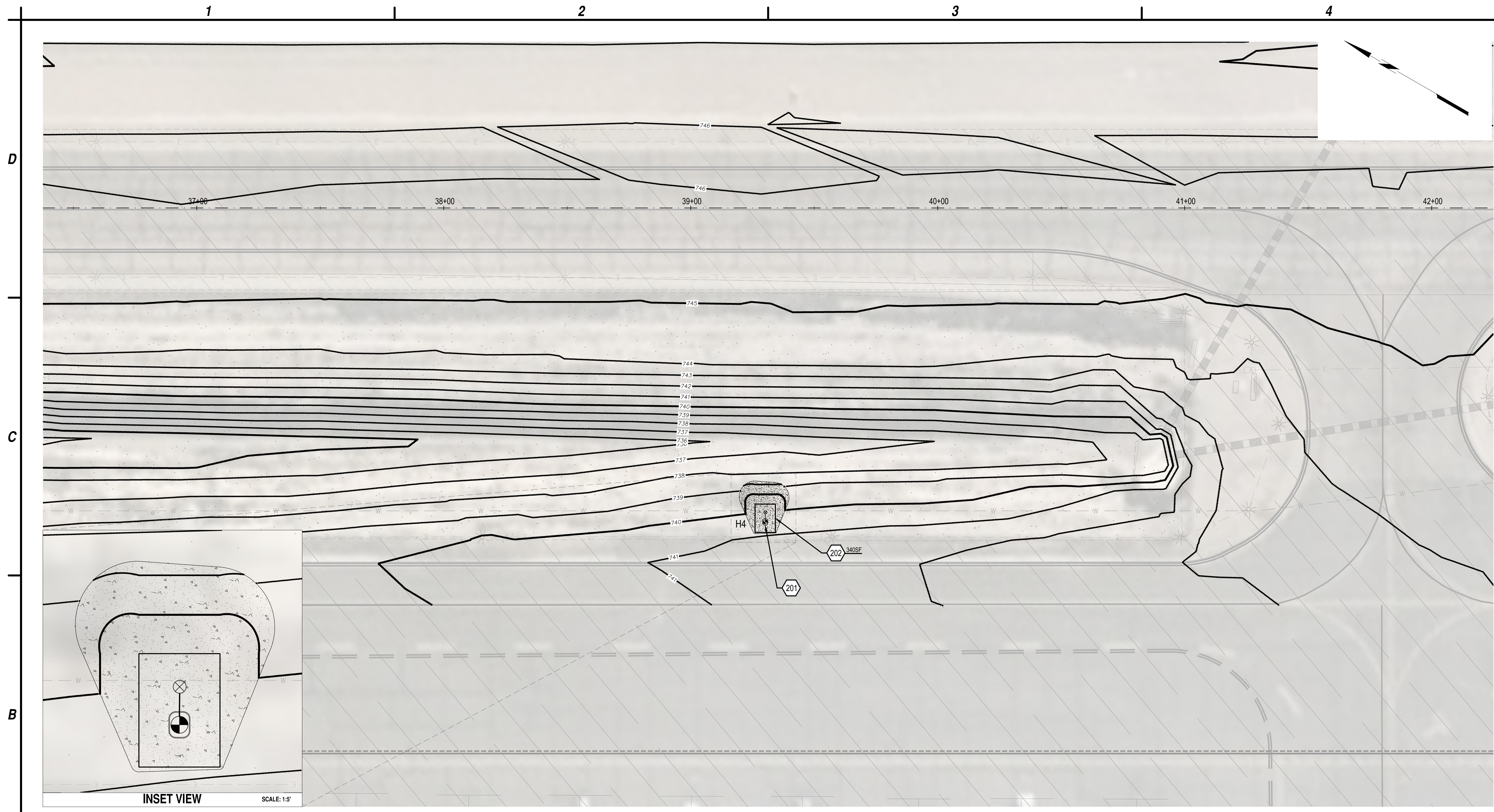
A3 CONSTRUCTION NOTES
 NOT TO SCALE

A4 KEY MAP
 NOT TO SCALE

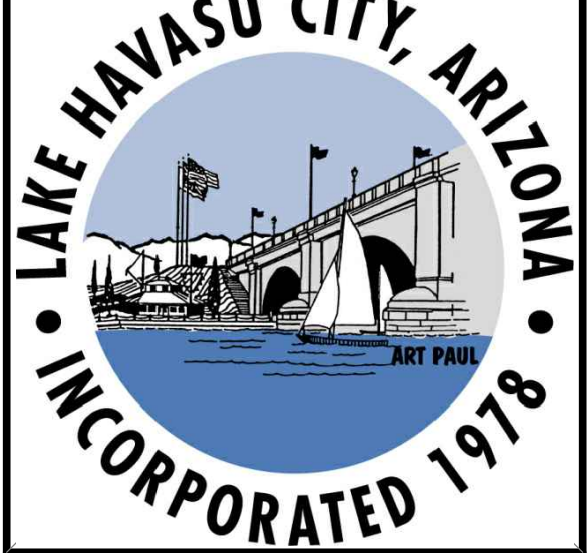
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MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: K33004002		
DATE: NOVEMBER 2023		
DRAWN BY: RB		
DESIGNED BY: RB		
CHECKED BY: LM		

IMPROVEMENT PLAN

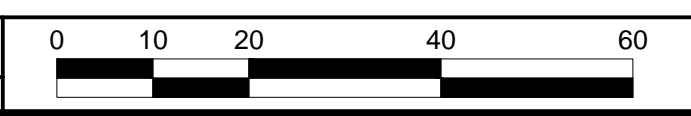


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REMOVE EXISTING HYDRANTS AND REPLACE
LAKE HAVASU CITY MUNICIPAL AIRPORT
LAKE HAVASU CITY, AIRIZONA

B1 IMPROVEMENT PLAN
 SCALE: 1:20'



A1 NOTES
 NOT TO SCALE

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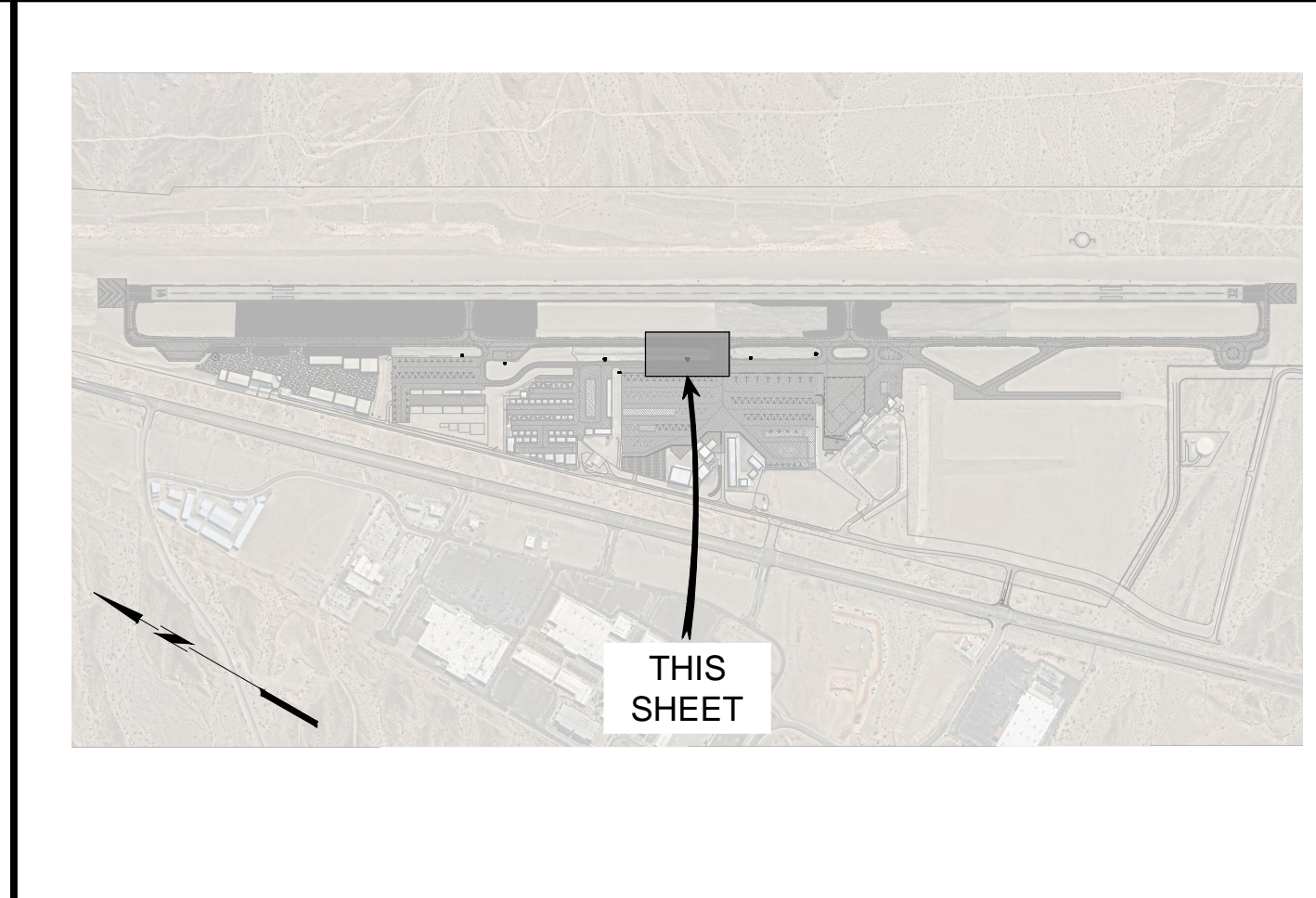
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 NOT TO SCALE

H#	HYDRANT NUMBER
	PROPOSED CONCRETE
	EXISTING AC PAVEMENT
	EXISTING 4" AGGREGATE EROSION PROTECTION
	EXISTING SOIL CEMENT

A3 CONSTRUCTION NOTES
 NOT TO SCALE

FURNISH AND INSTALL NEW FLUSH MOUNTED FIRE HYDRANT ASSEMBLY PER DETAIL C1, SHEET CP501.

FURNISH AND CONSTRUCT NEW CONCRETE PAD PER DETAIL C1, SHEET CP501.



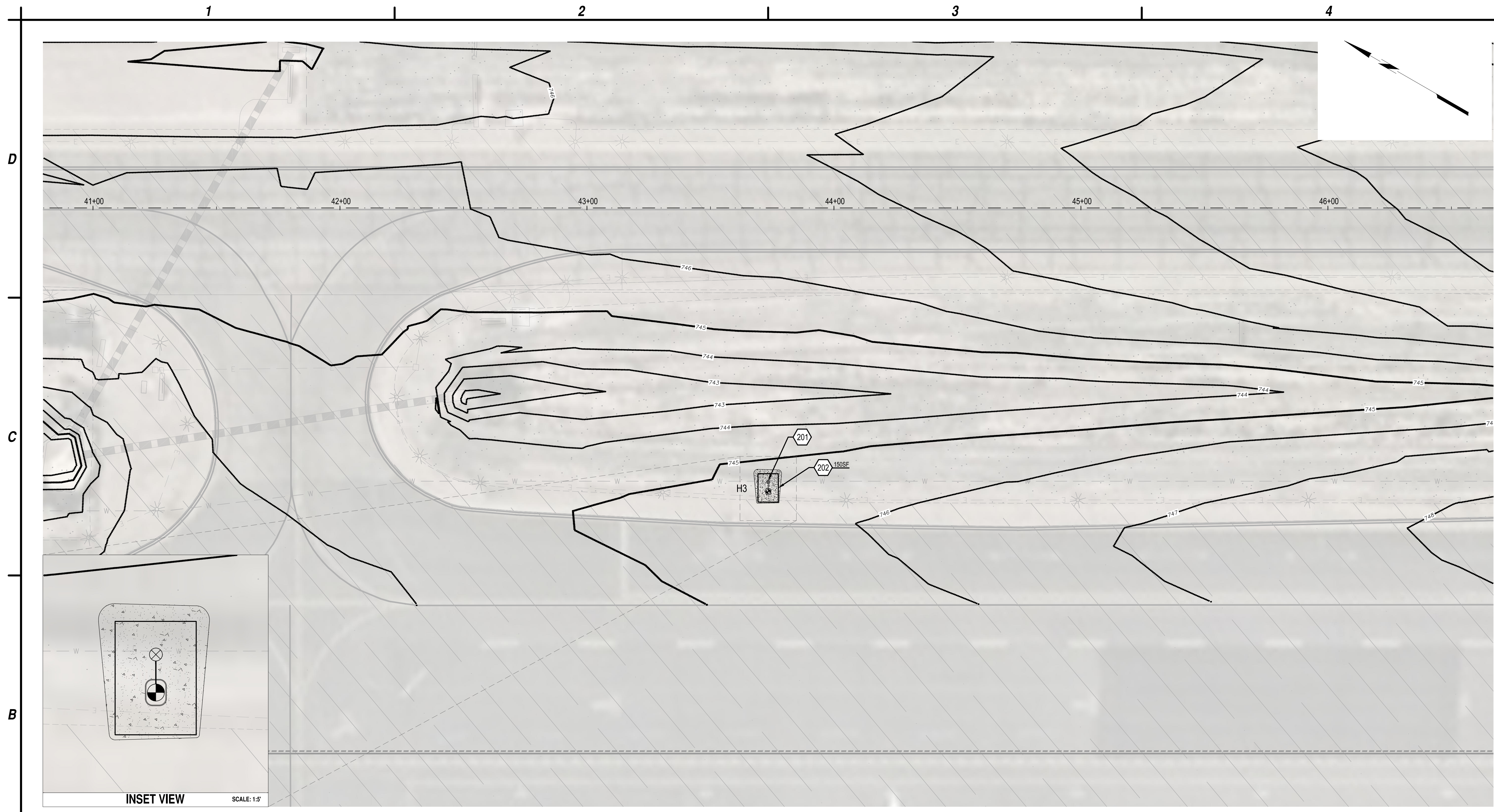
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		DESIGNED BY: RB
		CHECKED BY: RDG

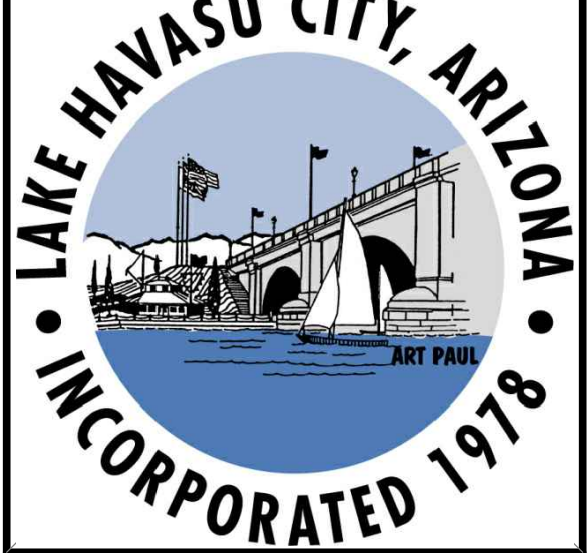
A IMPROVEMENT PLAN

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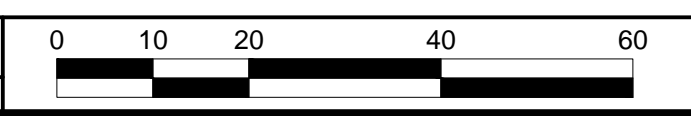
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REMOVE EXISTING HYDRANTS AND REPLACE
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B1 IMPROVEMENT PLAN
 SCALE: 1:20'

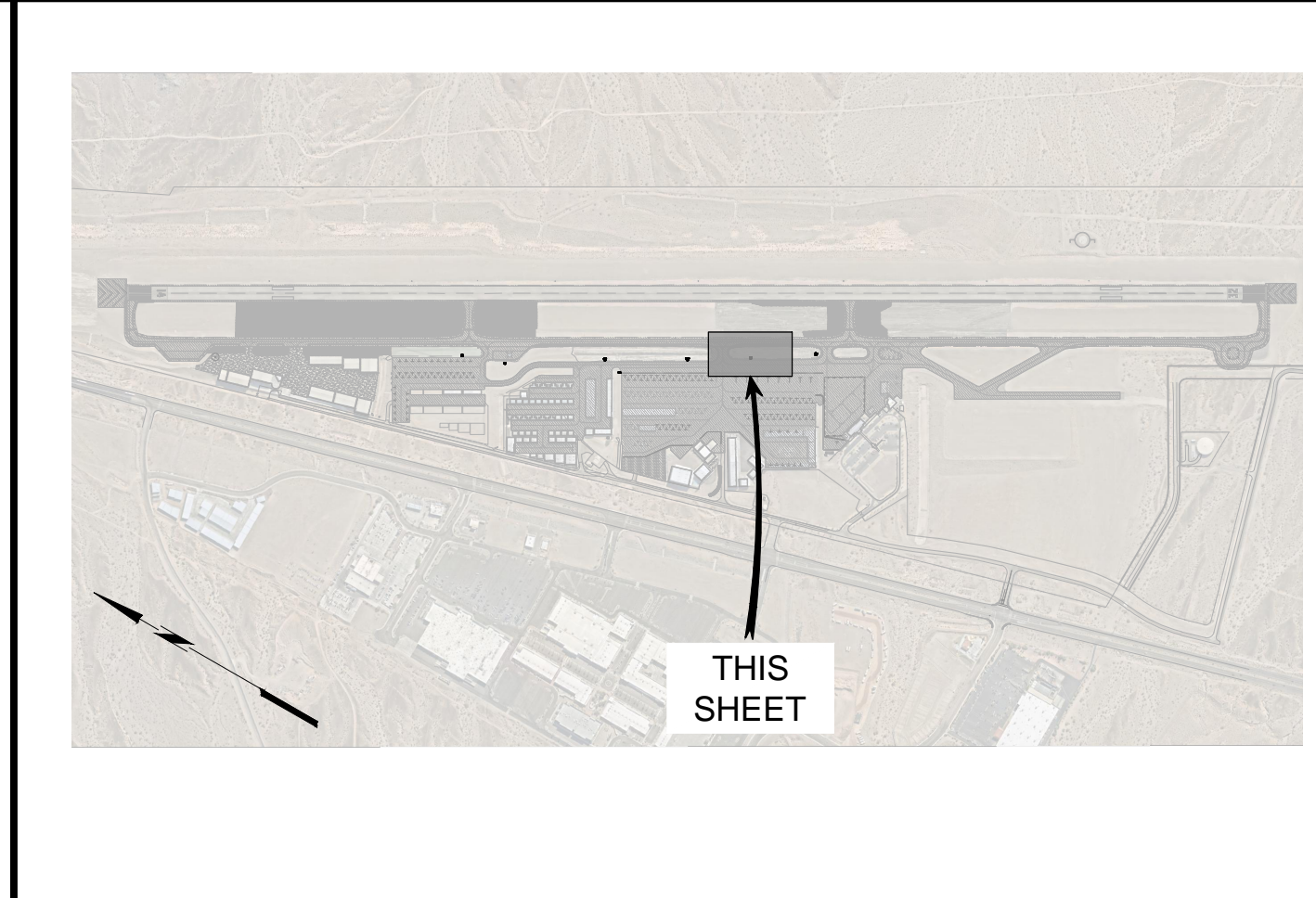


- A1 NOTES**
 NOT TO SCALE
- CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES IN PLACE.
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A2 LEGEND
 NOT TO SCALE

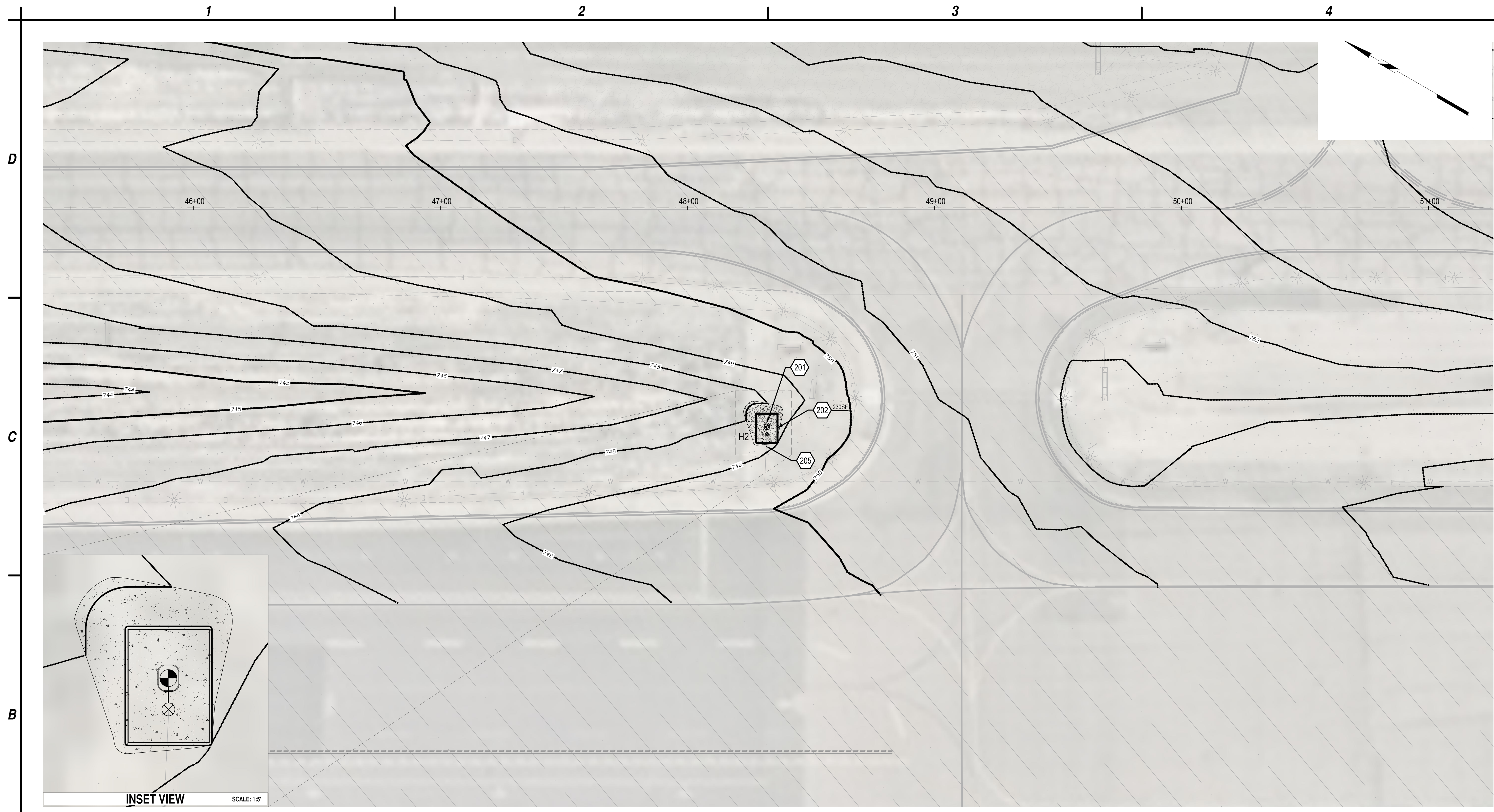
H#	HYDRANT NUMBER
	PROPOSED CONCRETE
	EXISTING AC PAVEMENT
	EXISTING 4" AGGREGATE EROSION PROTECTION
	EXISTING SOIL CEMENT

- A3 CONSTRUCTION NOTES**
 NOT TO SCALE
- FURNISH AND INSTALL NEW FLUSH MOUNTED FIRE HYDRANT ASSEMBLY PER DETAIL C1, SHEET CP501.
 - FURNISH AND CONSTRUCT NEW CONCRETE PAD PER DETAIL C1, SHEET CP501.



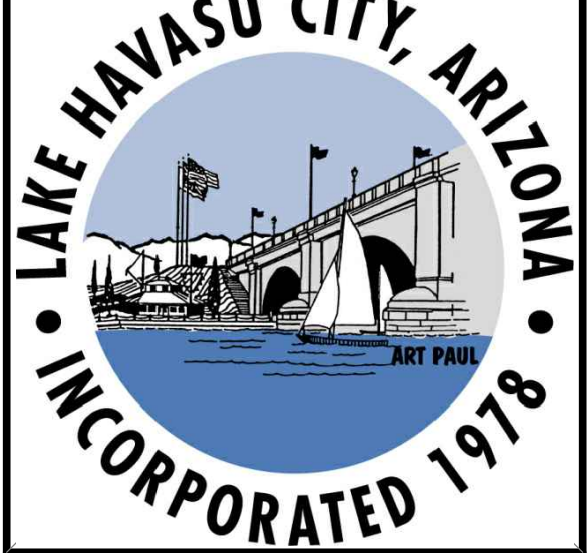
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REVISIONS		
		PROJECT NO: K33004002
		DATE: NOVEMBER 2023
		DRAWN BY: RB
		DESIGNED BY: RB
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A IMPROVEMENT PLAN



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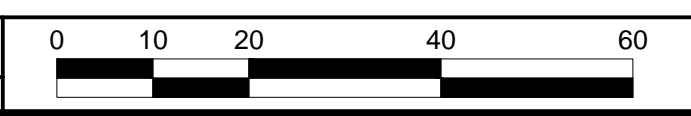
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**REMOVE EXISTING HYDRANTS
AND REPLACE**

**LAKE HAVASU CITY MUNICIPAL AIRPORT
LAKE HAVASU CITY, AIRIZONA**

B1 IMPROVEMENT PLAN
SCALE: 1:20'



A1 NOTES
NOT TO SCALE

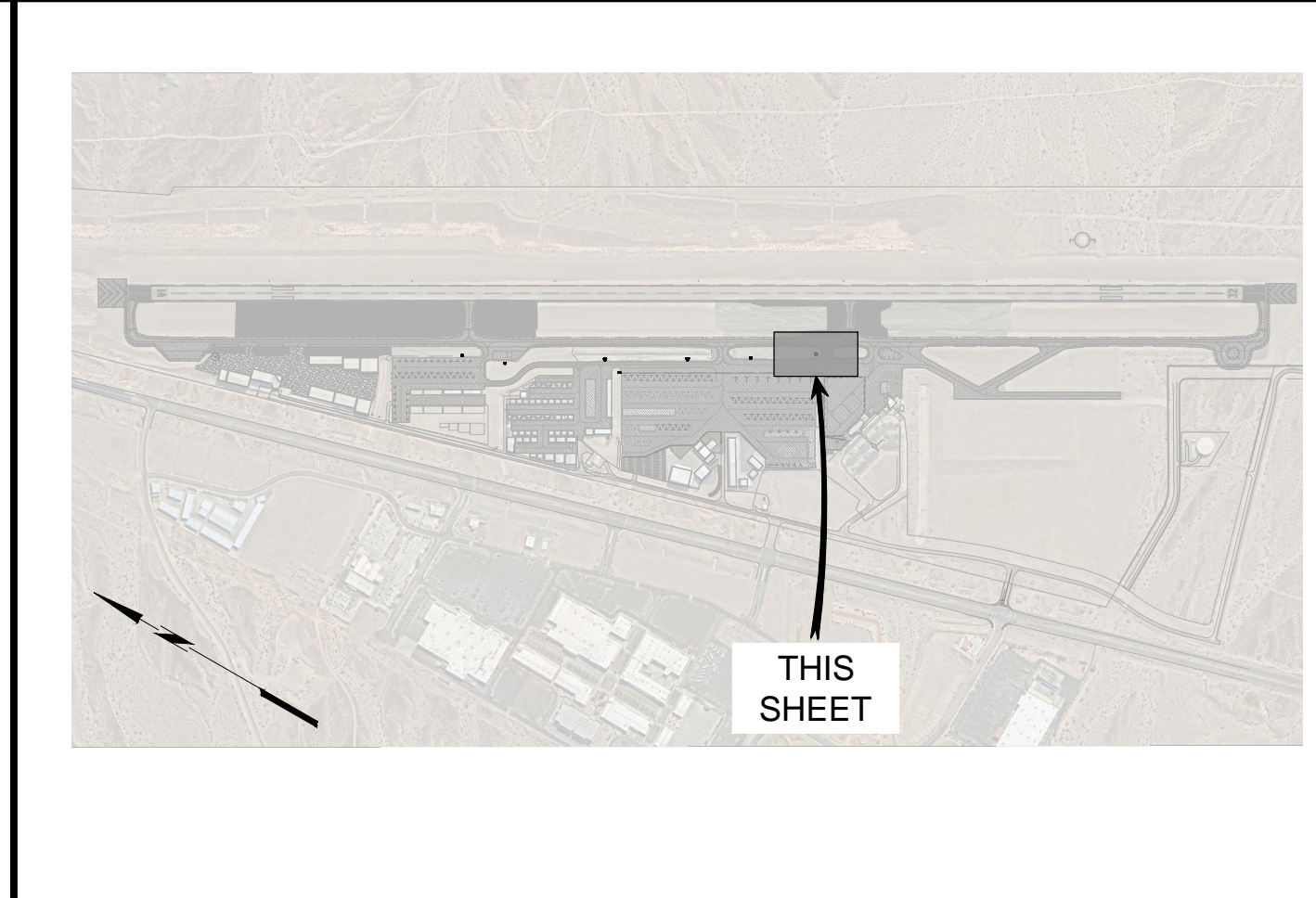
- CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES IN PLACE.
- ANY DAMAGE TO EXISTING UTILITIES NOT INDICATED FOR DEMOLITION THAT OCCURS DURING CONSTRUCTION SHALL IMMEDIATELY BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER.

A2 LEGEND
NOT TO SCALE

H#	HYDRANT NUMBER
	PROPOSED CONCRETE
	EXISTING AC PAVEMENT
	EXISTING 4" AGGREGATE EROSION PROTECTION
	EXISTING SOIL CEMENT

A3 CONSTRUCTION NOTES
NOT TO SCALE

- 201** FURNISH AND INSTALL NEW FLUSH MOUNTED FIRE HYDRANT ASSEMBLY PER DETAIL C1, SHEET CP501.
- 202** FURNISH AND CONSTRUCT NEW CONCRETE PAD PER DETAIL C1, SHEET CP501.
- 205** TIE NEW VALVE AND HYDRANT ASSEMBLY INTO EXISTING WATERLINE AT EXISTING CONNECTOR PIPE.

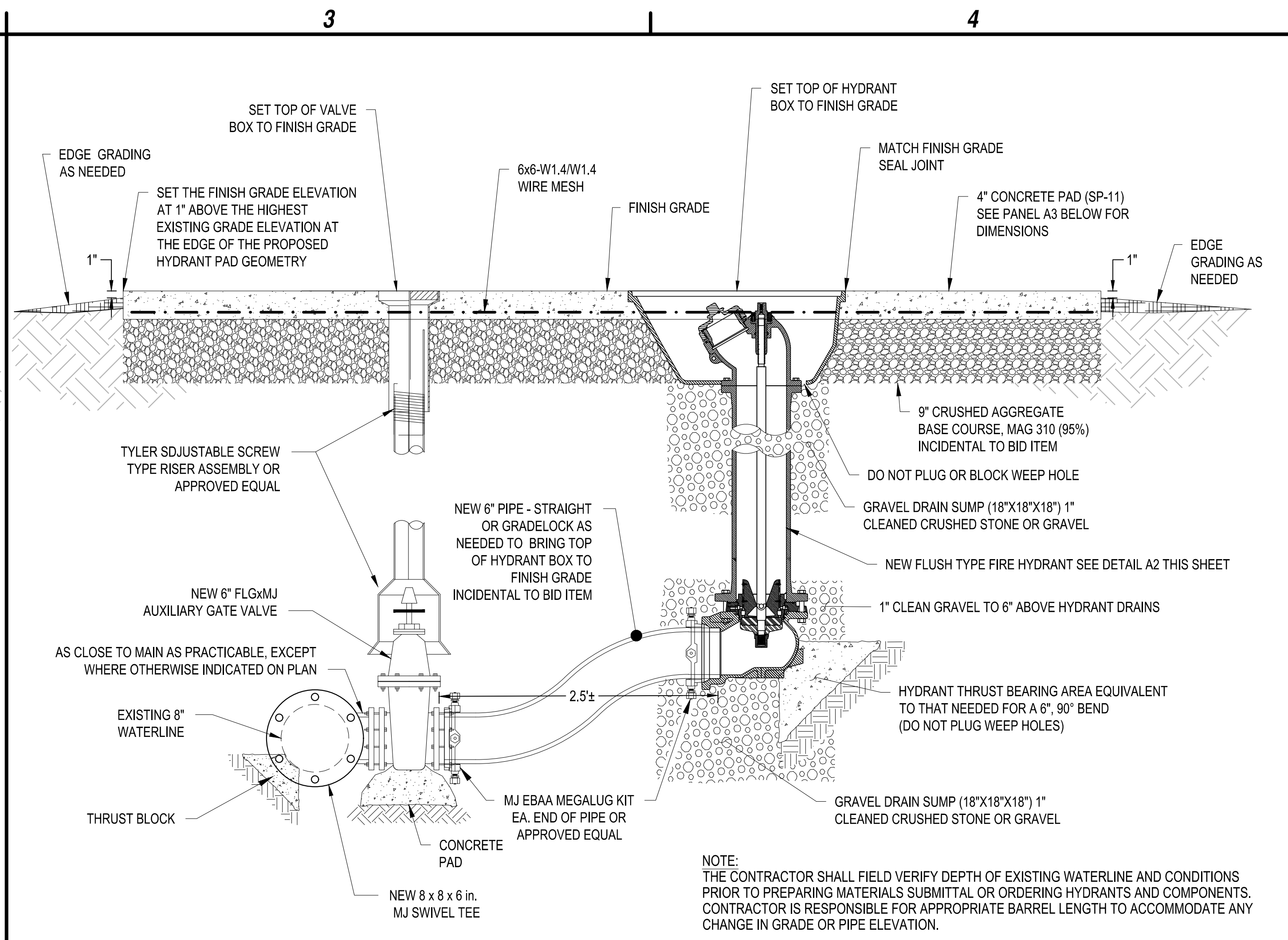
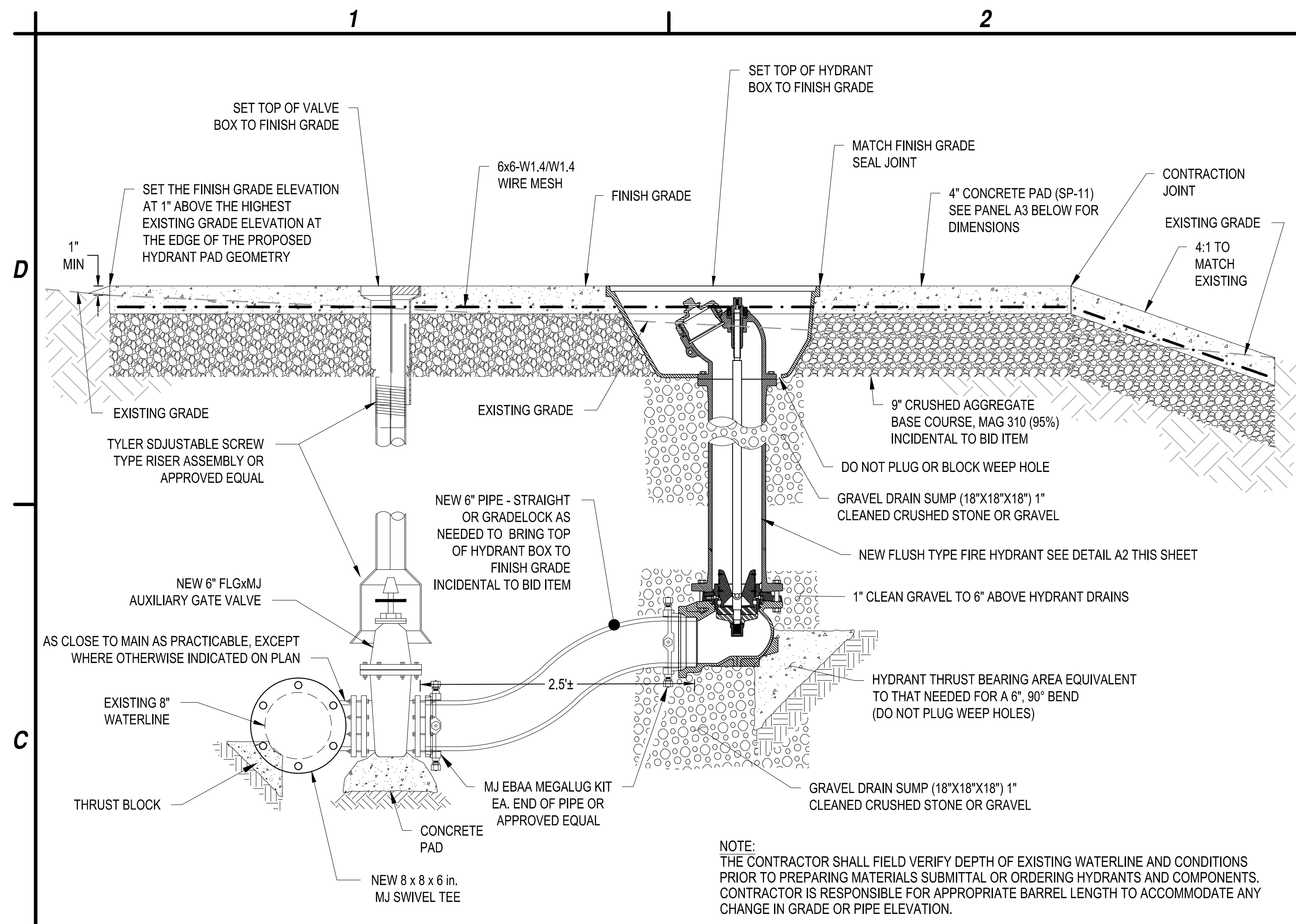


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A IMPROVEMENT PLAN

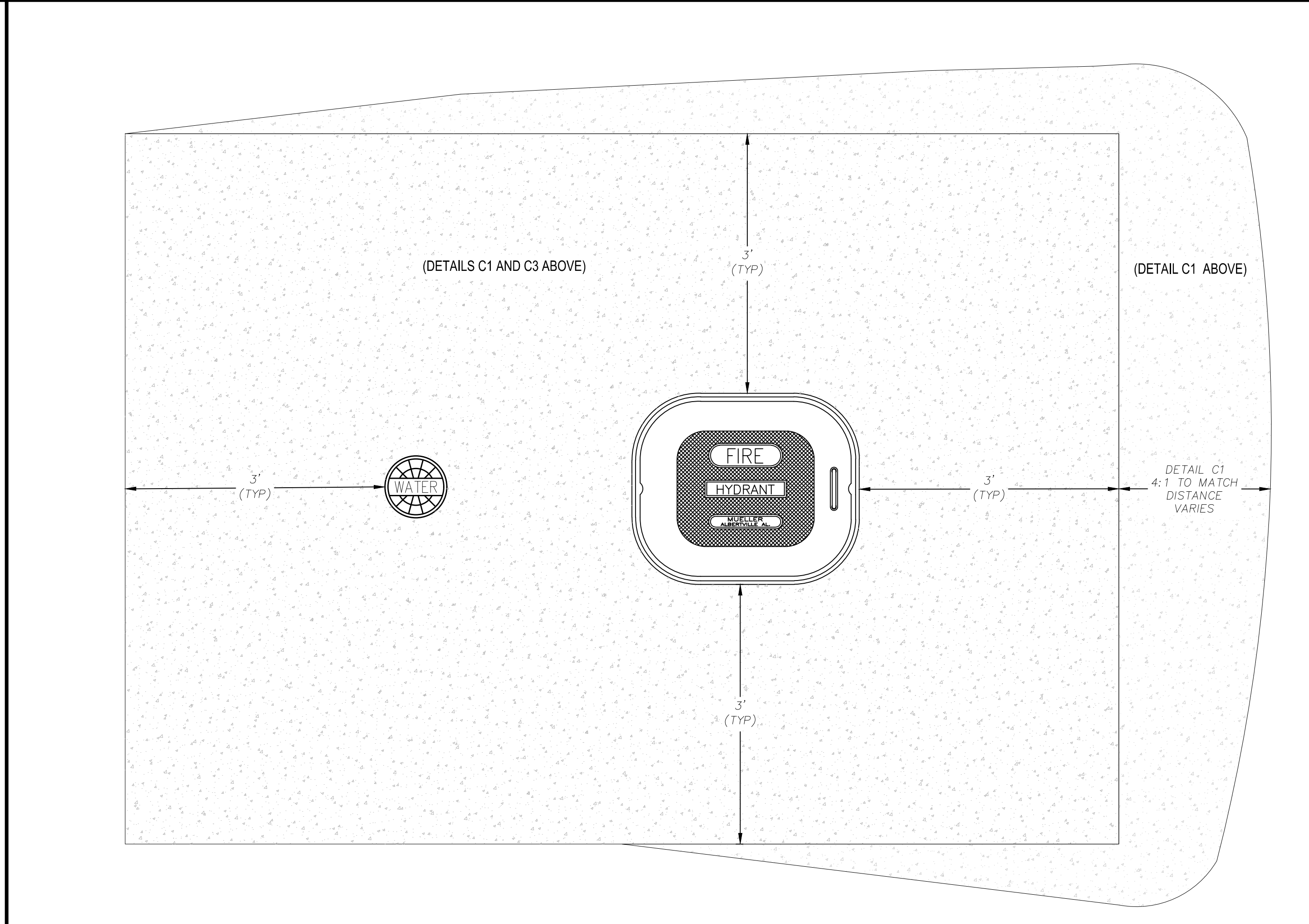
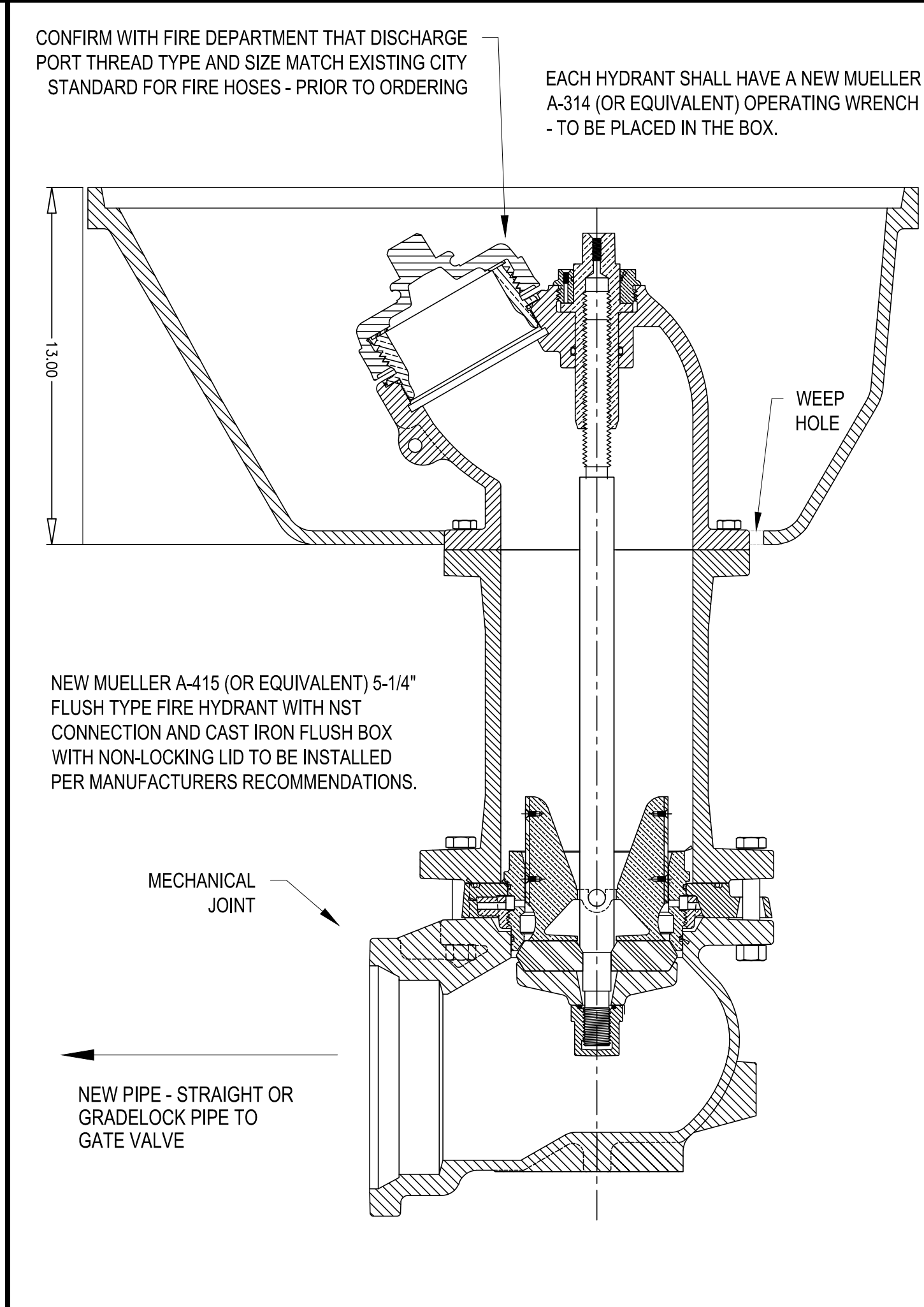
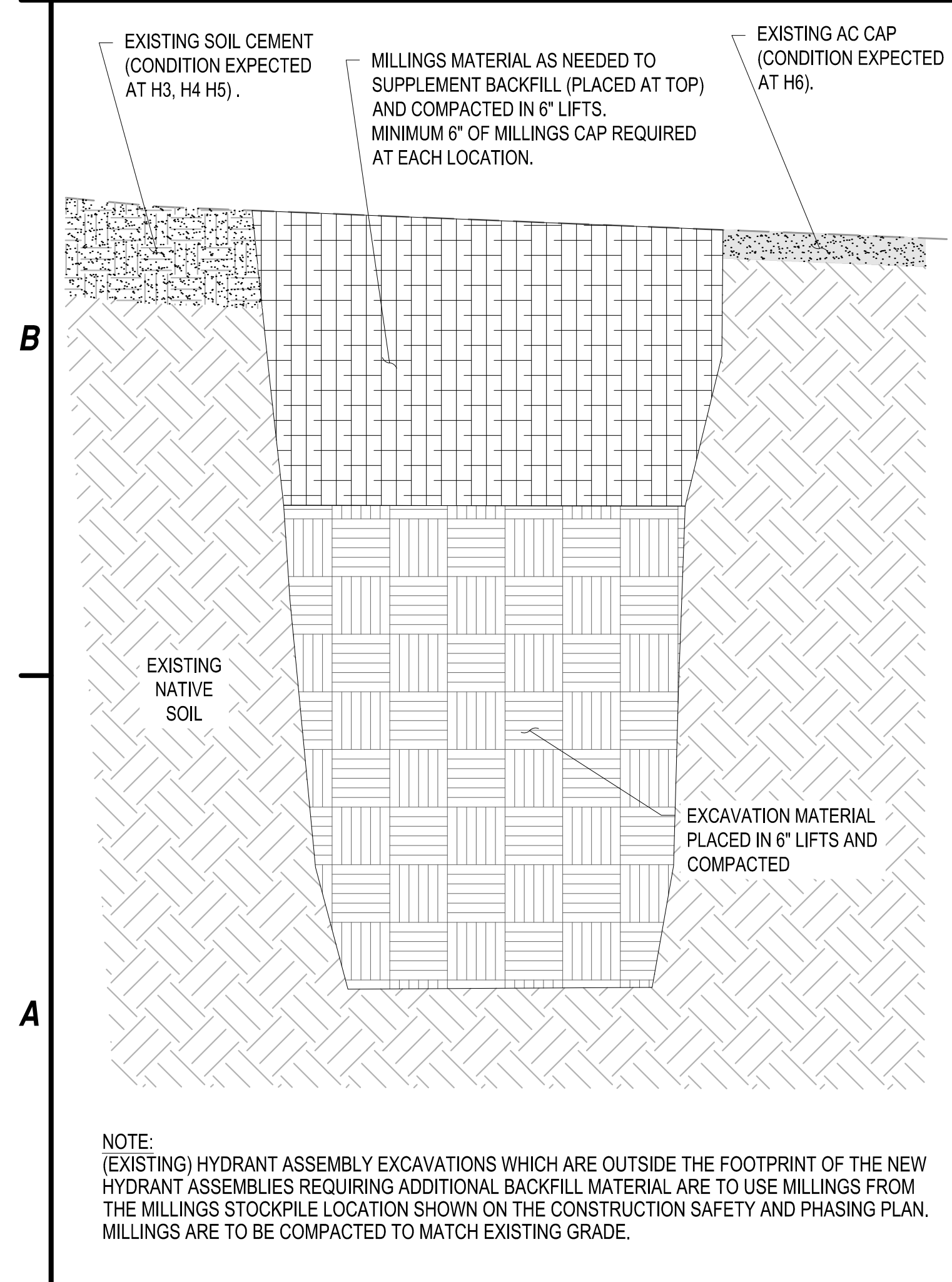
CG106
18 of 19

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C1 FLUSH MOUNTED HYDRANT, VALVE AND PAD DETAIL (HYDRANTS 2, 3, 4, 5 & 6)
NOT TO SCALE

C3 FLUSH MOUNTED HYDRANT, VALVE AND PAD DETAIL (HYDRANTS 8 & 9)
NOT TO SCALE



A1 MILLINGS BACKFILL DETAIL
NOT TO SCALE

A2 FLUSH TYPE FIRE HYDRANT DETAIL
NOT TO SCALE

A3 CONCRETE PAD
NOT TO SCALE

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Professional Engineer (PE)
42401
RICHARD D. GRAHAM
Date Signed: 11-29-23
Expires: 11-29-26

LAKE HAVASU CITY, ARIZONA
INCORPORATED 1978

REMOVE EXISTING HYDRANTS AND REPLACE
LAKE HAVASU CITY MUNICIPAL AIRPORT
LAKE HAVASU CITY, ARIZONA

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PROJECT NO: K33004002		
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DETAILS
CP501
19 of 19

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