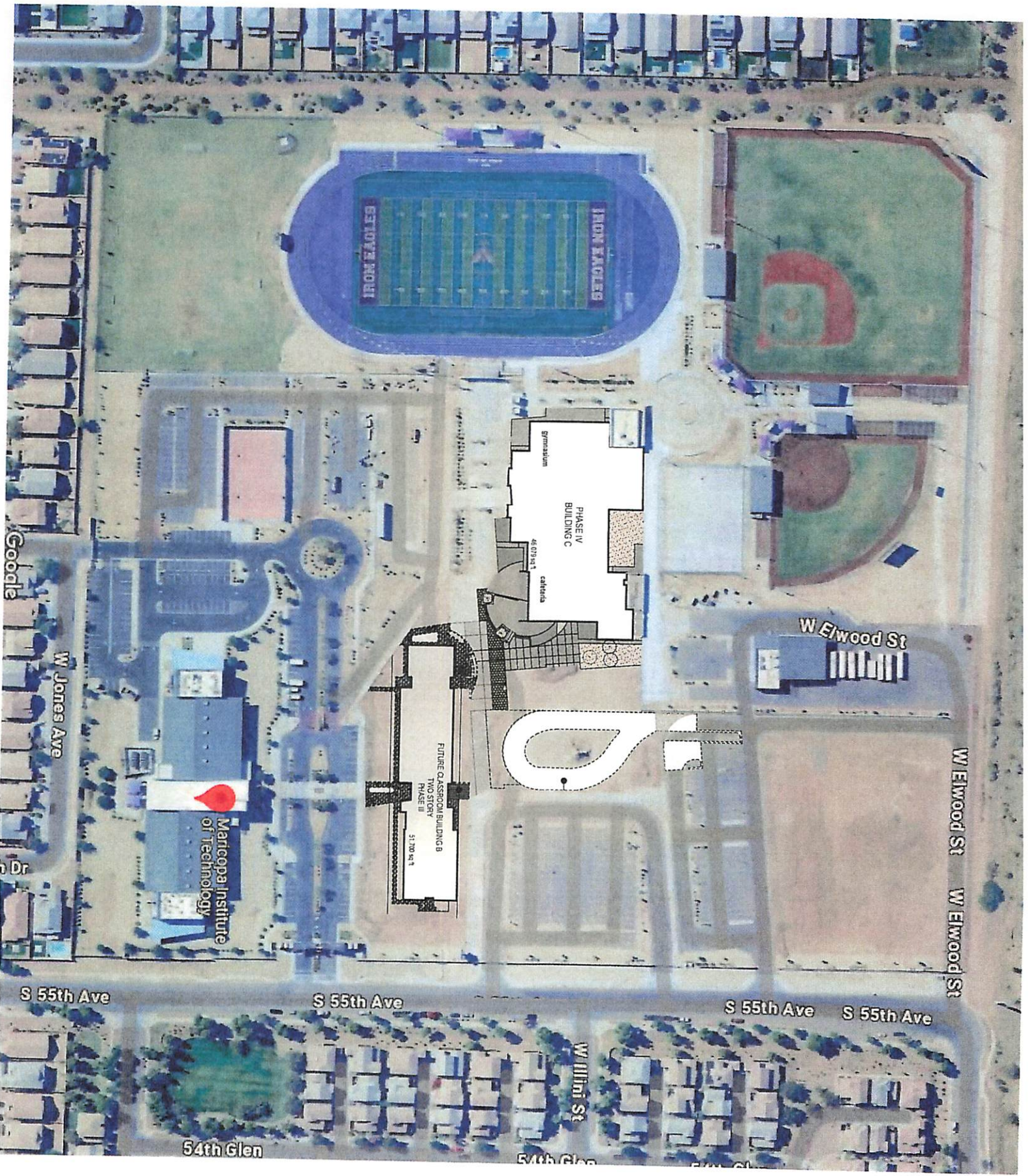




Google

W Jones Ave

Dr

Maricopa Institute
of Technology

S 55th Ave

S 55th Ave

S 55th Ave

S 55th Ave

54th Glen

Willini St

54th Glen

54th Glen

W Elwood St

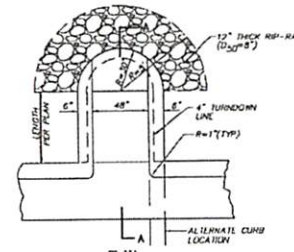
W Elwood St W Elwood St

NOTE:
ALL NEW UNDERGROUND UTILITIES (WATER, SEWER, FIRE, AND STORM DRAIN) SHALL BE INSTALLED WITHIN A 4'-0" RADIUS OF THE EXISTING UTILITY. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR THE PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.

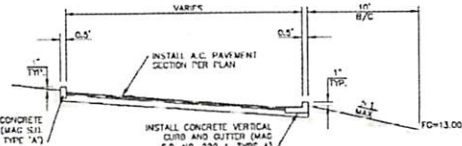
UNDERGROUND UTILITY TRACER WIRE NOTE:
ALL NEW UNDERGROUND FACILITIES/UTILITIES SHALL BE INSTALLED WITH A DETECTABLE UNDERGROUND LOCATION DEVICE. INSTALL A PIR INSULATED TRACER WIRE SECURELY ATTACHED TO EACH UTILITY AT 8'-FEET ON CENTER. 12" OF TRACER WIRE SHALL BE ACCESSIBLE ABOVE GRADE AT THE TERMINATION AND SHALL BE SECURELY ATTACHED AT THAT POINT. THE CONTRACTOR SHALL VERIFY WHICH COLOR TO USE FOR STORM DRAIN, WATER, SEWER, ETC., WITH THE CITY OF PHOENIX. THE CONTRACTOR SHALL INCLUDE ALL COSTS ASSOCIATED WITH THIS REQUIREMENT IN THEIR BID.

ADJACENT WAYS

- Install concrete vertical curb & gutter (MAG Std Dtl 220-1, Type A - Q1 421 LF)
- Install concrete valley gutter and apron, MAG Std Dtl 240, 6' wide - Q1 39 LF ; Q2 232 SF
- Install concrete single curb, MAG Std Dtl 222 Type A - Q1 641 LF
- Asphalt, 4" AC (3/4" marshall mix) over 8" ABC over compacted subgrade - Q1 1,640 SY ; Q2 14,759 SF
- Striping, Directional Arrows - Q1 3 EA
- Site Demolition / Rough Grading / Fine Grading for Curb/Hardscape - Q1 23,835 SF
- Install concrete sidewalk (COP Std Dtl P1230) - Q1 1,191 SF



CONCRETE SPLASHPAD DETAIL, TYPE B



SECTION E-E

- POTHOLE AND FIELD VERIFY LOCATION AND ELEVATION OF EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION. NOTIFY DESIGN ENGINEER OF ANY CONFLICTS.
- ADJUST EXISTING SEWER MANHOLE TO FINISH GRADE. INSTALL WITH 8" WIDE BY 8" DEEP CONCRETE COLLAR (MAG CLASS 'A' CONCRETE).
- INSTALL CATCH BASIN (MAG STANDARD DETAIL NO. 535, SINGLE). INSTALL 8" WIDE BY 8" DEEP CONCRETE COLLAR (MAG CLASS 'A' CONCRETE).
- CORE DRILL AND CONNECT NEW STORM DRAIN TO EXISTING CATCH BASIN USING NON-SHRINKING MORTAR TO PROVIDE A WATER-TIGHT CONNECTION. ADJUST RIM TO NEW FINISH GRADE.
- PAINT STRIPE THE PARKING LOT TO THE ALIGNMENTS INDICATED, INCLUDING ALL DIRECTIONAL ARROWS, CROSSWALKS, HANDICAP PARKING SYMBOLS, SPEED BUMPS, ETC.
- INSTALL CONCRETE VALLEY GUTTER AND APRON (MAG STANDARD DETAIL NO. 240, MODIFIED TO BE 6' WIDE).



NOTE:
SUBGRADE FOR EACH CONCRETE SIDEWALK, EXTERIOR SLAB AND 4" A.C. PAVEMENT SHALL BE LIME STABILIZED TO A DEPTH OF 12" PER THE CITY OF PHOENIX. THE SUBGRADE FOR THE EXTERIOR SLAB SHALL BE LIME STABILIZED TO A DEPTH OF 2" PER MAG SPECIFICATIONS.



HESS - ROUNTREE, INC.
CONSULTING ENGINEERS & LAND SURVEYORS
2821 SOUTH 51ST STREET, SUITE C110
PHOENIX, ARIZONA 85044 (602) 498-1234
DISE DRO SEN JCW CKS DRO JOB NO. 2303-03
EXPIRES 8-30-25

GRADING AND DRAINAGE CONSTRUCTION NOTES:

- INSTALL CONCRETE SIDEWALK (CITY OF PHOENIX STANDARD DETAIL NO. P1230). SEE ARCHITECTURAL PLANS FOR FINISH.
- INSTALL NEW PLANTERS. SEE ARCHITECTURAL PLANS FOR DETAILS.
- CONSTRUCT SEATING BENCHES. SEE ARCHITECTURAL PLANS FOR DETAILS.
- INSTALL AREA DRAIN (SEE DETAIL ON SHEET C-2).
- INSTALL INLINE DRAIN (SEE DETAIL ON SHEET C-2).
- CONNECT TO BUILDING ROOF DRAIN LINE WITH NECESSARY AND APPROPRIATE FITTINGS. SEE PLUMBING DRAWINGS FOR CONTINUATION.
- INSTALL 4" H.D.P.E. DRAINAGE PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.
- INSTALL 12" H.D.P.E. DRAINAGE PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.
- INSTALL 18" H.D.P.E. DRAINAGE PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.
- INSTALL 18" TO 12" REDUCER.
- INSTALL CATCH BASIN (MAG STANDARD DETAIL NO. 537, SINGLE).
- CONNECT TO EXISTING STORM DRAIN PIPE WITH NECESSARY AND APPROPRIATE FITTINGS.
- MATCH EXISTING ELEVATION AND LOCATION.
- REMOVE EXISTING CATCH BASIN AND STORM DRAIN LINE BETWEEN THE LIMITS SHOWN. INSTALL NEW 18" H.D.P.E. DRAINAGE PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS AND CONNECT TO NEW CATCH BASIN.
- ADJUST EXISTING CATCH BASIN TO FINISH GRADE. REMOVE EX. STORM DRAIN TO INSTALL NEW CATCH BASIN.
- INSTALL 12" THICK ANGULAR RIP-RAP (2025-6). COLOR PLUM CHALK. INSTALL WHAT 18" H.D.P.E. FILTER FABRIC BENEATH RIP-RAP.
- INSTALL 4" H.D.P.E. DRAINAGE PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.
- INSTALL 3" HIGH BY 6" WIDE WEEDHOLE IN CMU WALL. BOTTOM ELEVATION OF WEEDHOLE SHALL MATCH CONCRETE ELEVATION SHOWN ON THE PLANS.
- CONSTRUCT CONCRETE SPLASHPAD, TYPE A (SEE DETAIL ON SHEET C-2).
- INSTALL STORM DRAIN CLEANOUT (SEE DETAIL ON SHEET C-2).
- ADJUST EXISTING ELECTRICAL VAULT TO FINISH GRADE.
- INSTALL NEW FENCING/GATES. SEE ARCHITECTURAL DRAWINGS FOR DETAILS AND CONTINUATION.
- INSTALL CONCRETE SINGLE CURB (MAG STANDARD DETAIL NO. 222, TYPE 'A').
- INSTALL CONCRETE VALLEY GUTTER AND GUTTER (MAG STANDARD DETAIL NO. 240-1, TYPE 'A').
- INSTALL ASPHALT PAVEMENT (4" A.C. (3/4" INCH MARSHALL MIX) OVER 8" A.B.C. OVER COMPACTED SUBGRADE).
- REMOVE EXISTING CONCRETE CURB, A.C. PAVEMENT AND CONCRETE SIDEWALK AS NEEDED FOR NEW IMPROVEMENTS INSTALLATION.
- INSTALL CONCRETE SPLASHPAD, TYPE B (SEE DETAIL ON SHEET C-5).

GRADING AND DRAINAGE PLAN			
RIVERSIDE SCHOOL DISTRICT #2			
MARICOPA INSTITUTE OF TECHNOLOGY			
PHASE II BUILDING ADDITIONS, 7900 N. 55TH AVE.			
DRAWING STATUS	SHEET	OF	
POOR CD SET	5	5	C-5
DATE:	08-02-20		

LIME STABILIZATION OPTION IS INCLUDED

ACCESSIBLE PATH OF TRAVEL
PHASE 1: GYM & CAFE/TERA
BUILDING "C"

ACCESSIBLE PATH OF TRAVEL
FOR EXISTING CAMPUS

Scope of adjacent Ways, Fire Lane

Existing Fire Lane

ENLARGED SITE PLAN

Scale is 1" = 3'-0" when printed on full size sheet.