


- 1 - ADJWAYS - DEMO TREE - 1 EA
- 2 - ADJWAYS - ADJUST TRAFFIC SIGNAL BOX TO FINISH GRADE - 1 EA
- 3 - ADJWAYS - DEMO SIDEWALK - 494 SF
- 4 - ADJWAYS - DEMO ADA RAMP - 174 SF
- 5 - ADJWAYS - DEMO DECOMPOSED GRANITE - 264 SF
- 6 - ADJWAYS - DEMO ASPHALT - 1,641 SF
- 7 - ADJWAYS - DEMO CURB & GUTTER - 265 LF
- 8 - ADJWAYS - DEMO MEDIAN - 92 SF
- 9 - ADJWAYS - PAVER REPAIRS @ MEDIAN - 1 EA
- 10 - ADJWAYS - POT HOLE EXIST UTILITIES - 1 EA
- 11 - ADJWAYS - DEMO DRIVE ENTRANCE - 543 SF
- 12 - ADJWAYS - DEMO VERTICAL CURB - 83 LF
- 15 - ADJWAYS - DEMO WROUGHT IRON DOUBLE SWING GATE - 1 EA


SPECIFIC DEMOLITION NOTES:

- WITHIN DEMOLITION AREA, REMOVE AND LEGALLY DISPOSE OF ALL BUILDINGS, CONCRETE, ASPHALT, A.B.C., CONCRETE SIDEWALKS, WALLS, CURBS, TREES AND ANY IMPROVEMENTS EXCEPT ITEMS NOTED TO REMAIN AND BE PROTECTED OR TO BE REMOVED AND SALVAGED. ALL UTILITIES ARE TO BE REMOVED, UNLESS NOTED OTHERWISE.
- POTHOLE AND FIELD VERIFY ELEVATION AND LOCATION OF EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. NOTIFY DESIGN ENGINEER OF ANY CONFLICTS. PROTECT FROM DAMAGE.
- EXISTING A.C. PAVEMENT TO REMAIN. PROTECT FROM DAMAGE.
- EXISTING CONCRETE SINGLE CURB OR CONCRETE VERTICAL CURB AND GUTTER TO REMAIN. PROTECT FROM DAMAGE.
- EXISTING CONCRETE SIDEWALK TO REMAIN. PROTECT FROM DAMAGE.
- EXISTING LIGHT POLE AND ASSOCIATED ELECTRICAL LINES TO REMAIN. PROTECT FROM DAMAGE.
- EXISTING WATER VALVE TO REMAIN. PROTECT FROM DAMAGE.
- SALVAGE EXISTING SIGN FOR REINSTALLATION.
- EXISTING TRAFFIC SIGNAL BOX, ASSOCIATED ELECTRICAL CONTROLLER BOX AND CONDUIT. PROTECT FROM DAMAGE.
- EXISTING FIRE HYDRANT TO REMAIN. PROTECT FROM DAMAGE.
- EXISTING SIGNAL LIGHT, TRAFFIC SIGNAL LIGHT AND/OR ASSOCIATED TOWN OF GILBERT MANHOLE TO REMAIN. PROTECT FROM DAMAGE.

- 12 EXISTING ELECTRICAL BOX TO REMAIN. PROTECT FROM DAMAGE.
- 13 REMOVE EXISTING TREE.
- 14 ADJUST EXISTING TRAFFIC SIGNAL BOX TO FINISH GRADE. PROTECT FROM DAMAGE.

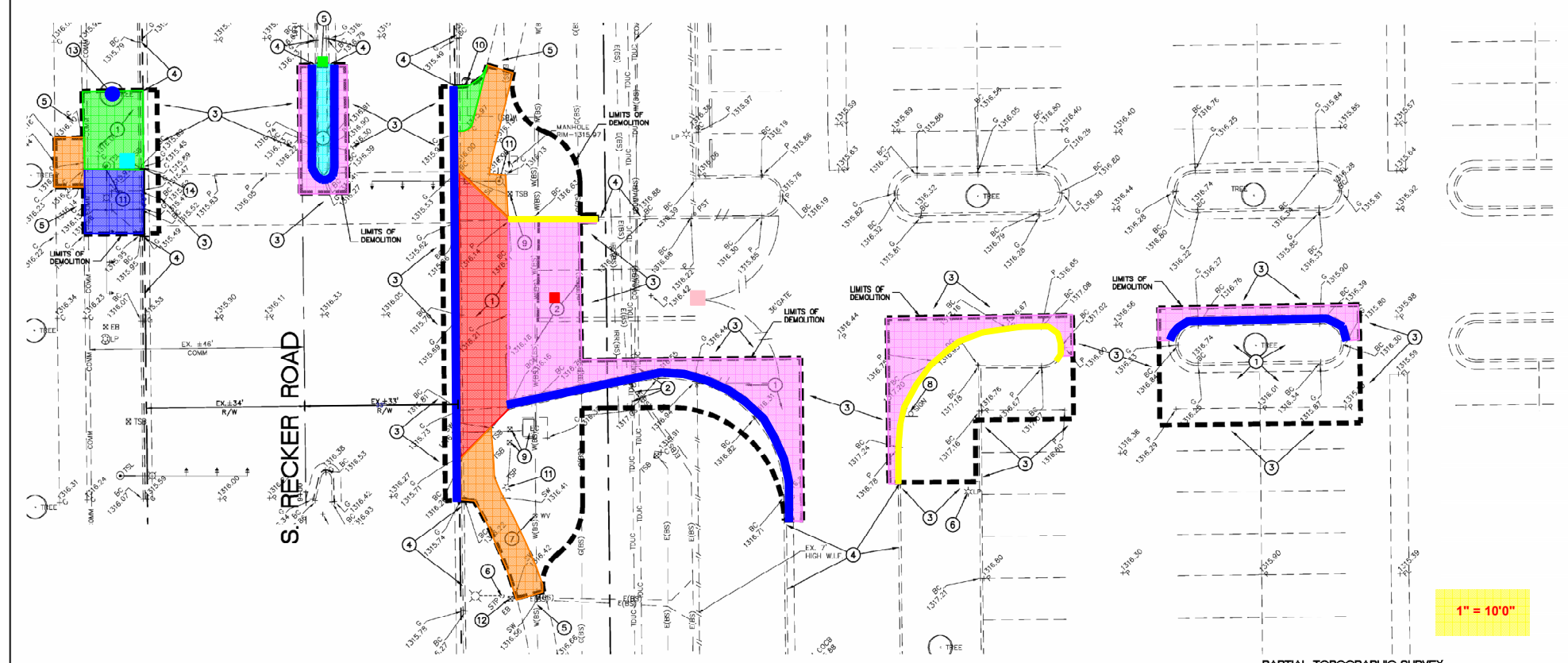


DOUGLAS RAY & GIBSON
SURVEYORS
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HESS - ROUNTREE, INC.
CONSULTING ENGINEERS & LAND SURVEYORS
3831 SOUTH 51ST STREET, SUITE C110
PHOENIX, ARIZONA 85044 (480)496-0844

DRN **DRO** DRN **JCW** CKD **DRO** JOB NO. **2205-13D**



NOTE:
SEE FENCING PLANS FOR DEMO OF EXISTING FENCE AND GATES.

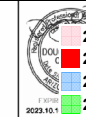
•SEE SHEET C-1 FOR LEGEND•

PARTIAL TOPOGRAPHIC SURVEY AND DEMOLITION PLAN			
HIGLEY UNIFIED SCHOOL DISTRICT NO. 60			
SIGNAL LIGHT IMPROVEMENT PLANS FOR HIGLEY HIGH SCHOOL			
DRAWING STATUS	SHEET	OF	C-2
AND TOWN SUBMITTAL SET	2	3	
DATE	10/19/23		

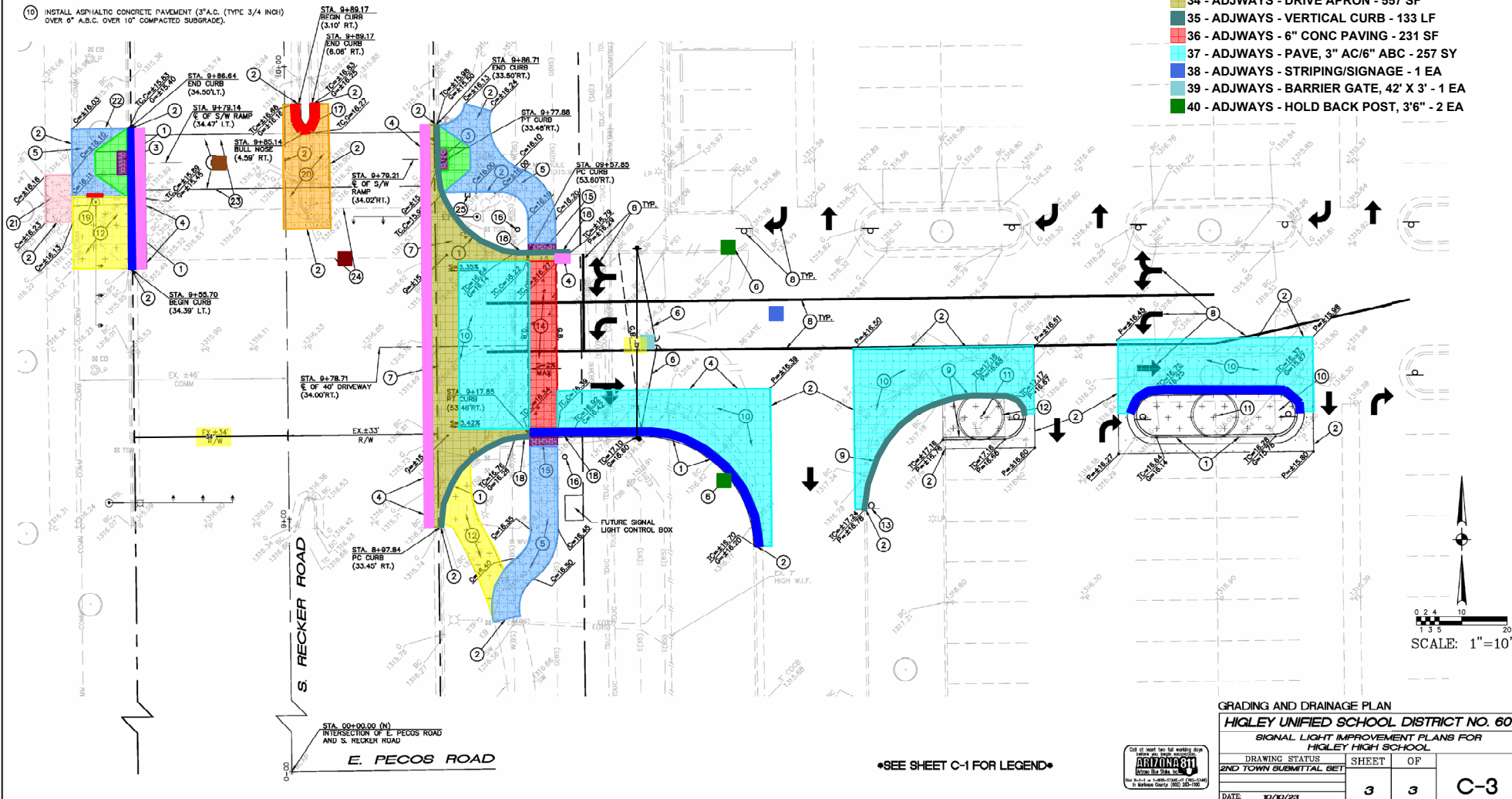


GRADING AND DRAINAGE CONSTRUCTION NOTES:

1. INSTALL CONCRETE VERTICAL CURB AND GUTTER (MAG STANDARD DETAIL NO. 220-1, TYPE A).
2. MATCH EXISTING CONCRETE OR PAVEMENT LOCATION AND ELEVATION.
3. CONSTRUCT SIDEWALK RAMP (MAG STANDARD DETAIL NO. 230-1). SEE MAG SPECIFICATION SECTION 340 FOR FINISH.
4. SAWCUT, REMOVE AND REPLACE 2' OF EXISTING A.C. PAVEMENT AS NEEDED FOR INSTALLATION OF DRIVEWAY ENTRANCE OR SIDEWALK RAMP.
5. INSTALL CONCRETE SIDEWALK (MAG STANDARD DETAIL NO. 230).
6. FENCING AND GATES WILL BE UNDER A SEPARATE PLAN SET. SEE FENCING PLANS FOR DETAILS.
7. INSTALL CONCRETE VALLEY GUTTER AND APRON (MAG STANDARD DETAIL NO. 240).
8. SIGNAGE AND STRIPING WILL BE SHOWN ON A SEPARATE PLAN. SEE STRIPING PLANS FOR DETAILS.
9. CONSTRUCT CONCRETE SINGLE CURB (MAG STANDARD DETAIL NO. 222, TYPE 'A').
10. INSTALL ASPHALTIC CONCRETE PAVEMENT (3" A.C. (TYPE 3/4 INCH) OVER 6" A.B.C. OVER 10" COMPACTED SUBGRADE).
11. INSTALL NEW TREE. SEE LANDSCAPE PLANS FOR DETAILS.
12. INSTALL 2" THICKNESS OF NEW DECOMPOSED GRANITE FROM 1" BELOW TOP OF CURB. SIZE AND COLOR TO MATCH EXISTING. SEE MAG SPECIFICATION SECTION 430.
13. INSTALL SALVAGED FIRE LANE SIGN, POST AND BASE PER TOWN OF GILBERT STANDARD DETAIL NO. GIL-227.
14. INSTALL 6" THICK MAG AA CONCRETE.
15. INSTALL 2' WIDTH OF TRUNCATED DOMES PER TOWN OF GILBERT STANDARD DETAIL NO. GIL-261.
16. INSTALL PEDESTRIAN PUSH BUTTON POLES. SEE SIGNAL LIGHT PLANS FOR DETAILS.
17. INSTALL NEW MEDIAN NOSE TRANSITION PER MAG STANDARD DETAIL NO. 223. PAINT CURB PER TOWN OF GILBERT STANDARD DETAIL NO. GIL-240.
18. INSTALL CURB TERMINATION (MAG STANDARD DETAIL NO. 222).
19. INSTALL EXPANSION JOINT BETWEEN EXISTING TRAFFIC LIGHT POLE AND NEW CONCRETE SIDEWALK.
20. INSTALL NEW ASPHALT PAVEMENT TO MATCH EXISTING OR PER TOWN OF GILBERT'S MINIMUM PAVEMENT SECTION, WHICHEVER IS GREATER.
21. SAWCUT, REMOVE AND REPLACE EXISTING CONCRETE SIDEWALK TO REMOVE SIDEWALK TRIPPING HAZARD.
22. MODIFY EXISTING DRIP IRRIGATION AS NECESSARY FOR NEW CONSTRUCTION.
23. PAINT STRIPE NEW CROSSWALK PER TOWN OF GILBERT REQUIREMENTS.
24. BLACKOUT/REMOVE EXISTING STRIPING PER TOWN OF GILBERT REQUIREMENTS.
25. INSTALL NEW PUSH BUTTON POLE. SEE SIGNAL MODIFICATION DRAWINGS FOR DETAILS.



- 22 - ADJWAYS - SIDEWALK, R&R - 64 SF
- 23 - ADJWAYS - EXPANSION JOINT - 4 LF
- 24 - ADJWAYS - SIDEWALK, STD GREY - 632 SF
- 25 - ADJWAYS - ADA RAMP - 120 SF
- 26 - ADJWAYS - TRUNCATED DOMES - 44 SF
- 27 - ADJWAYS - DECOMPOSED GRANITE - 354 SF
- 28 - ADJWAYS - CURB & GUTTER - 139 LF
- 29 - ADJWAYS - PAVE, R&R - 27 SY
- 30 - ADJWAYS - THERMOPLASTIC STRIPING - 1 EA
- 31 - ADJWAYS - MEDIAN NOSE - 14 LF
- 32 - ADJWAYS - PAVE, 5.5" AC/10" ABC - 28 SY
- 33 - ADJWAYS - OBLITERATE EXIST STRIPING - 1 EA
- 34 - ADJWAYS - DRIVE APRON - 557 SF
- 35 - ADJWAYS - VERTICAL CURB - 133 LF
- 36 - ADJWAYS - 6" CONC PAVING - 231 SF
- 37 - ADJWAYS - PAVE, 3" AC/6" ABC - 257 SY
- 38 - ADJWAYS - STRIPING/SIGNAGE - 1 EA
- 39 - ADJWAYS - BARRIER GATE, 42' X 3' - 1 EA
- 40 - ADJWAYS - HOLD BACK POST, 3'6" - 2 EA

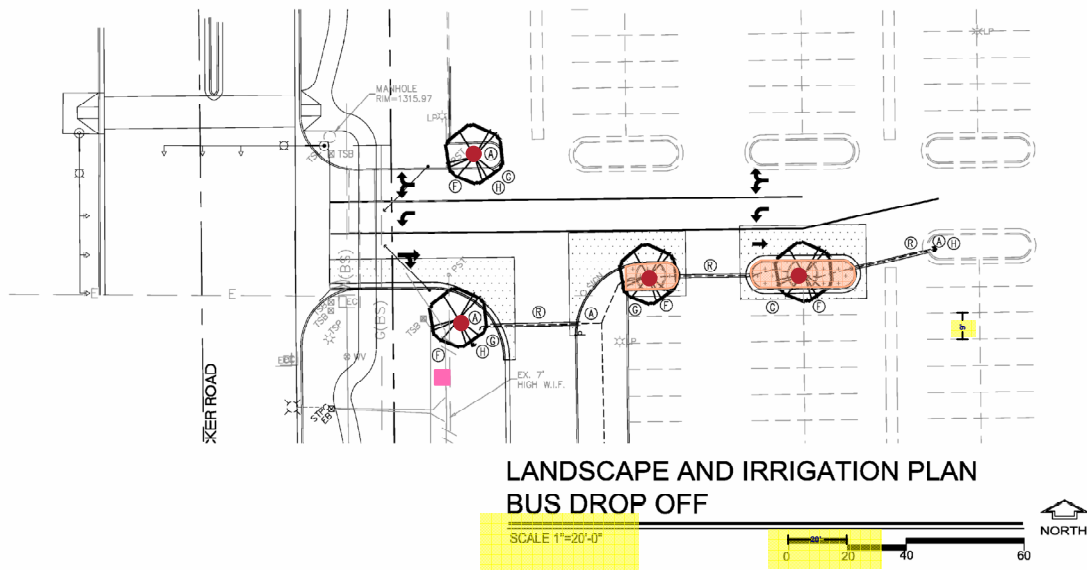


•SEE SHEET C-1 FOR LEGEND•



GRADING AND DRAINAGE PLAN			
HIGLEY UNIFIED SCHOOL DISTRICT NO. 60			
SIGNAL LIGHT IMPROVEMENT PLANS FOR HIGLEY HIGH SCHOOL			
DRAWING STATUS	SHEET	OF	
AND TOWN SUBMITTAL SET	3	3	C-3
DATE	10/10/23		

- 44 - TREE - 24" BOX - 4 EA
45 - DECOMPOSED GRANITE, 2" DESERT GOLD - 458 SF
46 - MISC LANDSCAPE REPAIRS - 1 EA



LANDSCAPE AND IRRIGATION PLAN BUS DROP OFF

SCALE 1"=20'-0"



IRRIGATION LEGEND

KEY	SYMBOLS	MODEL	MODEL TYPE	DESCRIPTION
(1)		E504-PC-SS-HS-06	RAIN BIRD	ROTOR 5.5 G.P.M.
(2)		E504-PC-SS-HS-12	RAIN BIRD	ROTOR 11.0 G.P.M.
(3)		E504-PC-SS-HS-16	RAIN BIRD	ROTOR 15.5 G.P.M.
SYMBOLS				
MODEL TYPE				
(2)		XBT-10-S(1)/S	SHRUB	RAINBIRD EMITTER 1.0 GPH
(3)		XBT-20-S(1)/TREE	BOWSMITH	EMITTER 2.0 GPH
SYMBOLS				
EQUIPMENT				
(2)		XCZ-075-PRF		ELECTRIC VALVE, WYE STRAINER
(3)		300 MPF		PRESSURE REGULATOR
				FLUSH VALVE
KEY				
SYMBOLS				
EQUIPMENT				
(1)		EPB-GP-R SERIES		ELECTRIC BRASS VALVE
(2)		5000PSI-QP-R		BALL VALVE
(3)		FSV-4		EXISTING ELECTRIC CONTROLLER
(4)				CONTROLLERS IS LOCATED IN NEW CONCESSIONS BLDG.
(5)				EXISTING WATER METER
(6)				EXISTING FECBO BACKFLOW PREVENTOR

KEY	SYMBOLS	PIPING
(10)		SCHEDULE 40 PVC PIPE (SLEEVE)
(11)		CLASS 200 PVC PIPE (LATERAL)
(12)		RUBBER RING SCHEDULE 40 PVC PIPE (MAINLINE)

PIPE SCHEDULE	SIZE	GPM'S	SIZE	GPM'S
	1/2"	0-5 GPM	1-1/2"	26-35 GPM
	3/4"	6-10 GPM	1 3/4"	36-45 GPM
	1"	11-15 GPM	2"	46-55 GPM
	1 1/4"	16-25 GPM	2-1/4"	56-65 GPM

SLEEVE AND VALVE CALL OUT

	SIZE OF PIPE		STATION CALLOUT
	LENGTH OF PIPE		GALLONS PER MINUTE
	DEPTH OF PIPE BELOW FAWING		SIZE OF VALVE

IRRIGATION DEMOLITION NOTES

- (1) IRRIGATION CONTRACTOR TO CUT AND CAP ALL LATERAL LINES THAT ARE WITHIN THE AREAS OF DEMOLITION (NEW PAVEMENT, DRIVEWAYS, WALKS, AND RE-GRADING) 2' OUTSIDE OF THE AREA.

LANDSCAPE NOTES

- (1) LANDSCAPE CONTRACTOR TO INSTALL ALL TREES AS SHOWN ON THE PLAN ALONG WITH THE PROPER IRRIGATION (SEE THE IRRIGATION PLAN).
- (2) LANDSCAPE CONTRACTOR TO SUPPLY AND INSTALL DECOMPOSED GRANITE THAT MATCHES BOTH THE COLOR AND SIZE TO A DEPTH OF 2", OVER ALL AREAS THAT HAVE BEEN DISTURBED OR IN NEW PLANTING AREAS (THIS INCLUDES AREAS ADJACENT TO NEW CURBS AND DRIVEWAYS).

IRRIGATION NOTES

- (1) IRRIGATION CONTRACTOR TO TIE THE NEW LATERAL LINES INTO THE EXISTING LATERAL LINES THAT HAVE BEEN CUT DURING THE DEMOLITION FOR NEW HARDSCAPE OR GRADING OF AREAS. THESE LATERALS LINE TO BE SCHEDULE 40 PVC PIPE.
- (2) CONTRACTOR SHALL SUFFICE ALL IRRIGATION PIPE THAT RUNS UNDER ANY HARDSCAPE (SIDEWALK, DRIVEWAY, WALL, OR PAD). USE FOLLOWING SIZE CHART FOR REFERENCE.
- | | |
|-------------------|--------------------|
| TURF/DRIP LATERAL | 2" SCHEDULE 40 PVC |
| 1" MAINLINE | 4" SCHEDULE 40 PVC |
| 2" MAINLINE | 4" SCHEDULE 40 PVC |
| 3" MAINLINE | 6" SCHEDULE 40 PVC |

PLANT MATERIAL LEGEND

SYMBOL	BOTANICAL/COMMON NAME	SIZE	Height, Diameter & Spacing	QUANT.
	Platanus a. 'Red Push' Red Push Platanus	24" Box	10' 4" 1.5" 4	Double-Stocked Typ.
LANDSCAPE MATERIALS				
	Decomposed Granite Desert Gold	1/2" size	as ordered	2' Deep

APPROVED
LANDSCAPE REVIEW - 2ND
12/14/2023
CHRISTINE RASMUSSEN,
SR. LANDSCAPE PLANS EXAMINER
480-503-6793
christine.rasmussen@gilbertaz.gov



HIGLEY HIGH SCHOOL
Traffic Flow Improvements
4068 E. Pecos Rd.
Gilbert, Arizona

LANDSCAPE AND IRRIGATION PLAN

Job No.: 22063
File: 22063X
Drawn: DRC
Checked: DRC
Scale: PER PLAN
Date: 05.30.23

Revisions: Sheet Number

L1.0

- 5 - ADJWAYS - RELOCATE M/H HEAD TO OPPOSITE SIDE OF POLE - 1 EA

A. Pedestrian Push Button (PPB) to the opposite side of signal pole and replace the R10-3eR sign sign. Relocate M/H heads to the opposite side of the signal pole and align with the new sidewalk ramps.

A pole (12') and foundation (G, H & I) per ADOT Std Dwg 4.1. Install new PPB and R10-3eR/L sign.

POLE FOUNDATION SCHEDULE			
NO.	TYPE	LOCATION	ELEVATION
(G)	A	Sta 9+83.7, Off 40.5' R.	1316.13'
(H)	A	Sta 9+83.1, Off 81.6' R.	1316.13'
(I)	A	Sta 9+13.8, Off 61.1' R.	1316.32'

Station and offsets are based on Racker Road section line

NO.	TYPE	LOCATION	REMARKS
①	#6 pull box	Sta 7+81 73.2 R	Existing To Remain Not Shown on Plan
②	#7 w/Ext	Sta 9+14 45.2 R	Existing To Remain
③	#7 pull box	Sta 9+12 35.5 L	Existing To Remain
④	#7 pull box	Sta 9+70 38.6 L	Existing To Remain
⑤	#7 pull box	Sta 9+65 44.8 R	Existing To Remain
⑥	N/A		
⑦	#7 pull box	Sta 9+12 44.8 R	Existing To Remain

Station and offsets are based on Racker Road section line.

Push Button Schedule (Not For Construction)				
P.B. No.	Pole No.	Direction	Dist. From Curb	Dist. From Crosswalk
1	G	E-W	8.0'	*
2	H	N-S	5.0'	*
3	I	N-S	5.0'	*

* Indicates Within Extended Crosswalk



New concrete sidewalk in front of all new push button locations shall have less than a 2% slope (typical)

Knights Drive

1" = 20'-0"



HIGLEY UNIFIED SCHOOL DISTRICT NO. 60
SIGNAL MODIFICATION IMPROVEMENT

United Civil Group
2803 North 7th Avenue
Phoenix, Arizona 85007
(602) 265 - 6155



PROJECT NO.	2205-130
DATE	03/04/2024
SHEET	3 OF 4