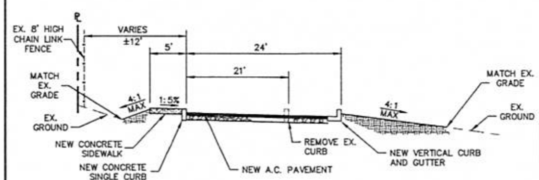
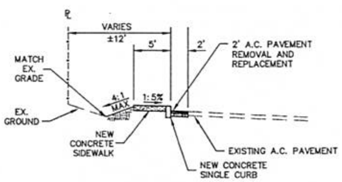
GENERAL NOTES FOR PUBLIC WORK CONSTRUCTION:

1. ALL CONSTRUCTION IN THE PUBLIC RIGHTS-OF-WAY OR IN EASEMENTS GRANTED FOR PUBLIC USE MUST CONFORM TO THE LATEST MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) UNIFORM STANDARD SPECIFICATIONS AND UNIFORM STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION AS AMENDED BY THE LATEST VERSION OF THE CITY OF SCOTTSDALE SUPPLEMENTAL STANDARD SPECIFICATIONS AND SUPPLEMENTAL STANDARD DETAILS. IF THERE IS A CONFLICT, THE CITY'S SUPPLEMENTAL STANDARD DETAILS WILL GOVERN.
2. THE CITY ONLY APPROVES THE SCOPE, NOT THE DETAIL, OF ENGINEERING DESIGNS; THEREFORE, IF CONSTRUCTION QUANTITIES ARE SHOWN ON THESE PLANS, THEY ARE NOT VERIFIED BY THE CITY.
3. THE APPROVAL OF PLANS IS VALID FOR SIX (6) MONTHS. IF AN ENCROACHMENT PERMIT FOR THE CONSTRUCTION HAS NOT BEEN ISSUED WITHIN SIX MONTHS, THE PLANS MUST BE RESUBMITTED TO THE CITY FOR REAPPROVAL.
4. A PUBLIC WORKS INSPECTOR WILL INSPECT ALL WORKS WITHIN THE CITY OF SCOTTSDALE RIGHTS-OF-WAY AND IN EASEMENTS. NOTIFY INSPECTION SERVICES 24 HOURS PRIOR TO BEGINNING CONSTRUCTION BY CALLING 480-312-5750.
5. WHENEVER EXCAVATION IS NECESSARY, CALL THE BLUE STAKE CENTER, 602-263-1100, TWO WORKING DAYS BEFORE EXCAVATION BEGINS. THE CENTER WILL SEE THAT THE LOCATION OF THE UNDERGROUND UTILITY LINES IS IDENTIFIED FOR THE PROJECT. CALL "COLLECT" IF NECESSARY.
6. ENCROACHMENT PERMITS ARE REQUIRED FOR ALL WORK IN PUBLIC RIGHTS-OF-WAY AND EASEMENTS GRANTED FOR PUBLIC PURPOSES. AN ENCROACHMENT PERMIT WILL BE ISSUED BY THE CITY ONLY AFTER THE REGISTRANT HAS PAID A BASE FEE PLUS A FEE FOR INSPECTION SERVICES. COPIES OF ALL PERMITS MUST BE RETAINED ON-SITE AND BE AVAILABLE FOR INSPECTION AT ALL TIMES. FAILURE TO PRODUCE THE REQUIRED PERMITS WILL RESULT IN IMMEDIATE SUSPENSION OF ALL WORK UNTIL THE PROPER PERMIT DOCUMENTATION IS OBTAINED.
7. ALL EXCAVATION AND GRADING THAT IS NOT IN THE PUBLIC RIGHTS-OF-WAY OR NOT IN EASEMENT GRANTED FOR PUBLIC USE MUST CONFORM TO CHAPTER 70, EXCAVATION AND GRADING, OF THE LATEST EDITION OF THE UNIFORM BUILDING CODE PREPARED BY THE INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS. A PERMIT FOR THIS GRADING MUST BE SECURED FORM THE CITY FOR A FEE ESTABLISHED BY THE UNIFORM BUILDING CODE.



SECTION A-A
NOT TO SCALE



SECTION B-B
NOT TO SCALE

NO CONFLICT SIGNATURE BLOCK

Utility	Utility Company	Name of Company Representative	Telephone Number	Date Submitted	Date Signed
Water	APS	Michael Bouche	608-371-7033	04/25/17	X
Water	Salt River Project	Matt Streeper	602-236-3105	04/25/17	X
Cable TV	Century Link	R-of-W Dept	N/A		
	City of Scottsdale	Doug Mann	480-312-5636	04/25/17	X
Cable TV	Cox Communitcations	TMC Dept.	623-328-3554	04/25/17	X
Other	Southwest Gas Cop.	Greg Cooper	602-484-5276	04/25/17	X
Other	Kinder Morgan	D. Tarango	602-278-2320	04/25/17	X

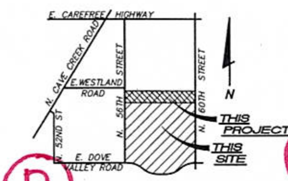
ENGINEER'S CERTIFICATION:

I, DOUG OSBORN BEING THE PERSON RESPONSIBLE FOR DESIGNING THE FACILITIES NECESSARY TO SERVE THIS DEVELOPMENT, HEREBY CERTIFY THAT PLANS HAVE BEEN SUBMITTED TO ALL THE UTILITY COMPANIES LISTED ABOVE FOR CONFLICT REVIEW. "NO CONFLICT" FORMS HAVE BEEN OBTAINED FROM EACH UTILITY COMPANY THAT RESPONDED AND ARE INCLUDED IN THIS SUBMITTAL. CONFLICTS IDENTIFIED BY UTILITY COMPANY RESPONSES HAVE BEEN RESOLVED.

[signature] 4/26/17
SIGNATURE DATE

IMPROVEMENT PLANS
FOR THE
NORTH DRIVE (FALCON WAY)
AT
CACTUS SHADOWS HIGH SCHOOL
33606 N. 60TH STREET
SCOTTSDALE, ARIZONA 85266
PHONE: (480) 575-2000

OWNER
CAVE CREEK UNIFIED SCHOOL DISTRICT NO. 93
33016 N. 60TH STREET
SCOTTSDALE, ARIZONA 85266
PHONE: (480) 575-2000



VICINITY MAP
NOT TO SCALE

OWNER/DEVELOPER:
CAVE CREEK UNIFIED SCHOOL DISTRICT NO. 93
33606 N. 60TH STREET
SCOTTSDALE, ARIZONA 85266
PHONE: (480) 575-2055
CONTACT: MIKE SANTINA

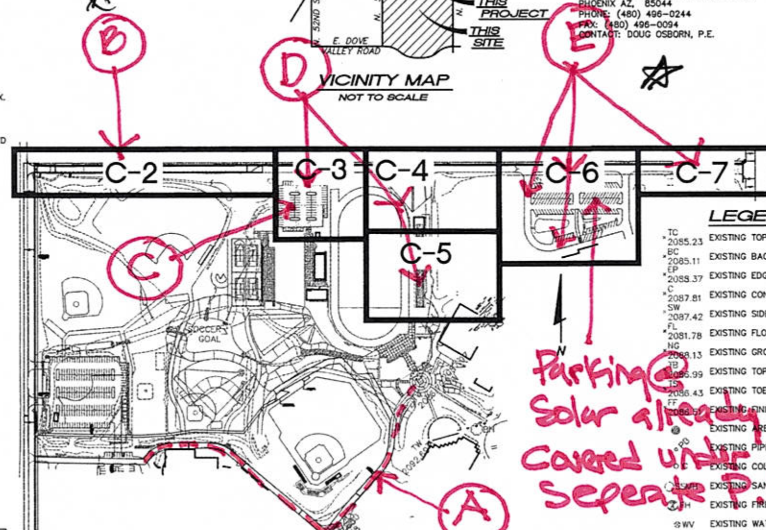
ENGINEER:
HESS-ROUNTREE, INC.
9831 SOUTH 51ST STREET, SUITE C110
PHOENIX AZ, 85044
PHONE: (480) 496-0244
FAX: (480) 496-0094
CONTACT: DOUG OSBORN, P.E.

SITE ADDRESS:
CACTUS SHADOWS HIGH SCHOOL
33606 N. 60TH STREET
SCOTTSDALE, AZ 85266
PHONE:(480) 575-2400

SITE INFORMATION:
APN: 211-61-757
NET AREA = 163.53 ACRES
TOTAL DISTURBED AREA = 2.20 ACRES

SHEET INDEX:

C-1 COVER SHEET
C-2 GRADING AND DRAINAGE PLAN
C-3 GRADING AND DRAINAGE PLAN
C-4 GRADING AND DRAINAGE PLAN
C-5 GRADING AND DRAINAGE PLAN
C-6 GRADING AND DRAINAGE PLAN
C-7 GRADING AND DRAINAGE PLAN



SHEET INDEX MAP
NOT TO SCALE

LEGEND

TC 2085.23	EXISTING TOP OF CURB ELEVATION
BC 2085.11	EXISTING BACK OF CURB ELEVATION
EP 2088.37	EXISTING EDGE OF PAVEMENT ELEVATION
C 2087.81	EXISTING CONCRETE ELEVATION
SW 2087.42	EXISTING SIDEWALK ELEVATION
FL 2081.78	EXISTING FLOWLINE ELEVATION
NG 2088.13	EXISTING GROUND ELEVATION
TB 2085.99	EXISTING TOP OF BERM ELEVATION
TS 2086.43	EXISTING TOE OF SLOPE ELEVATION
FF 2086.52	EXISTING FINISH FLOOR ELEVATION
	EXISTING AREA DRAIN
PB	EXISTING PIPE BOLLARD
COL	EXISTING COLUMN
SSMH	EXISTING SANITARY SEWER MANHOLE
FH	EXISTING FIRE HYDRANT
WV	EXISTING WATER VALVE
ICV	EXISTING IRRIGATION CONTROL VALVE
EB	EXISTING ELECTRIC BOX
RD	EXISTING ROOF DRAIN
PP	EXISTING POWER POLE
LP	EXISTING LIGHT POLE
SSCO	EXISTING SANITARY SEWER CLEANOUT
BFP	EXISTING BACKFLOW PREVENTER
—E—	EXISTING ELECTRIC LINE
	EXISTING TREE
	PROPOSED A.C. PAVEMENT (3" A.C. (TYPE 3/4") OVER 8" A.B.C.
	SAWCUT, REMOVE AND REPLACE EXISTING A.C. PAVEMENT
	SEAL COAT EXISTING A.C .PAVEMENT
	PROPOSED A.C. PAVEMENT (2" A.C. (TYPE 3/4") OVER 6" A.B.C.

NOTE:
THESE DRAWINGS ARE AN INSTRUMENT OF SERVICE ONLY AND ARE AND SHALL REMAIN THE EXCLUSIVE PROPERTY OF HESS-ROUNTREE, INC. NO REPRODUCTION OR OTHER USE SHALL BE MADE BY ANY PERSON OR FIRM OTHER THAN HESS-ROUNTREE, INC. OR THE CITY OF SCOTTSDALE WITHOUT EXPRESS PERMISSION OF HESS-ROUNTREE, INC. ANY UNAUTHORIZED USE SHALL VOID THE ENGINEER'S SEAL AND SIGNATURE HEREON AND NO PROFESSIONAL RESPONSIBILITY WILL REMAIN.

FLOODPLAN MAP INFORMATION:

COMMUNITY NUMBER	PANEL NUMBER AND DATE	SUFFIX	DATE OF FIRM (INDEX DATE)	SHADED ZONE	BASE FLOOD ELEVATION (IN AO ZONE, USE DEPTH)
045012	0890 10-16-13	L	10-16-13	X	N/A

THE LOWEST FLOOR ELEVATION(S) AND-OR FLOOD PROOFING ELEVATION(S) ON THIS PLAN ARE SUFFICIENTLY HIGH TO PROVIDE PROTECTION FROM FLOODING CAUSED BY A 100-YEAR STORM, AND ARE IN ACCORDANCE WITH SCOTTSDALE REVISED CODE, CHAPTER 37 - FLOODPLAIN AND STORMWATER REGULATION.

Call at least two full working days before you begin excavation. ARIZONA811

HESS – ROUNTREE, INC.
CONSULTING ENGINEERS & LAND SURVEYORS
9831 SOUTH 51ST STREET, SUITE C110
PHOENIX, ARIZONA 85044 (480)496-0244

31136 DOUGLAS RAY OSBORN, ARIZONA, U.S.A. EXPIRES 3-31-18

DES. DRO | DRN. JCW | CKD DRO | JOB NO. 1508-03E

DESIGN CIVIL ENGINEER'S NOTES TO CONTRACTOR:

1. NOTHING CONTAINED IN THE CONTRACT DOCUMENTS SHALL CREATE, NOR SHALL BE CONSTRUED TO CREATE, ANY CONTRACTUAL RELATIONSHIP BETWEEN THE DESIGN CIVIL ENGINEER AND THE CONTRACTOR OR ANY SUBCONTRACTOR.
2. THE DESIGN CIVIL ENGINEER WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OR FOR SAFETY PRECAUTIONS OR PROGRAMS UTILIZED IN CONNECTION WITH THE WORK. THIS IS THE CONTRACTOR'S SOLE RESPONSIBILITY. THE DESIGN CIVIL ENGINEER WILL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
3. THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS OF CLEANING TRUCKS AND/OR OTHER EQUIPMENT OF MUD PRIOR TO ENTERING PUBLIC STREETS, AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO CLEAN STREETS, ALLAY DUST, AND TO TAKE WHATEVER MEASURES ARE NECESSARY TO INSURE THAT ALL ROADWAYS AND ON SITE PARKING LOTS/FIRE LANES ARE MAINTAINED IN A CLEAN, MUD AND DUST-FREE CONDITION AT ALL TIMES.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE BLUE STAKE CENTER TWO WORKING DAYS PRIOR TO ANY EXCAVATION. THE UNDERGROUND UTILITY LOCATIONS AS SHOWN HEREON ARE BASED ON THE BEST INFORMATION AVAILABLE FROM UTILITY RECORDS AND OTHER DATA AS SUPPLIED TO THIS DESIGN CIVIL ENGINEER. THERE MAY BE OTHER UNDERGROUND UTILITY LINES, SERVICE LINES AND STRUCTURES PRESENT IN THE SUBJECT AREA. CONTRACTOR SHALL INCLUDE IN HIS BID THE COST OF HIRING AN UNDERGROUND UTILITY LOCATING SERVICE FOR THE PURPOSE OF LOCATING ALL UNDERGROUND UTILITIES. CONTRACTOR WILL COORDINATE WITH THE OWNER AND ARCHITECT TO DETERMINE WHETHER SAID UTILITIES ARE TO BE ABANDONED OR PROTECTED FROM DAMAGE.
5. THE DESIGN CIVIL ENGINEER MAKES NO REPRESENTATION OR GUARANTEE REGARDING THE EARTHWORK QUANTITIES OR THAT THE EARTHWORK FOR THIS PROJECT WILL BALANCE DUE TO THE VARYING FIELD CONDITIONS, CHANGING, SOIL TYPES, ALLOWABLE CONSTRUCTION TOLERANCES AND CONSTRUCTION METHODS THAT ARE BEYOND THE CONTROL OF THE DESIGN CIVIL ENGINEER. PRIOR TO BIDDING THE WORK, THE CONTRACTOR SHALL THOROUGHLY SATISFY HIMSELF AS TO THE ACTUAL CONDITIONS, EARTHWORK QUANTITIES AND REQUIREMENTS OF THE WORK AND EXCESS OR DEFICIENCY THEREIN, ACTUAL OR RELATIVE.
6. THE CONTRACTOR SHALL ADJUST ALL EXISTING AND NEW CLEANOUTS, WATER VALVE BOXES, MANHOLES, GAS VALVE BOXES, IRRIGATION BOXES, ETC. IN THE CONSTRUCTION AREA TO FINISH GRADE PER THE APPLICABLE MAG STANDARD DETAIL.
7. A COPY OF THE EPA NOTICE OF INTENT (NOI) AND THE STORM WATER MANAGEMENT PLAN SHALL BE KEPT ONSITE AT ALL TIMES. CONTRACTOR SHALL FULFILL ALL REQUIREMENTS AS DESCRIBED ON THE STORM WATER MANAGEMENT PLAN AND INCLUDE ALL COSTS ASSOCIATED WITH STORM WATER MANAGEMENT IN THE BID.
8. THE PROPOSED AND EXISTING STORM DRAIN SYSTEM SHOWN ON THESE PLANS ARE AN INTEGRAL PART OF THE DRAINAGE AND FLOOD PREVENTION DESIGN. ALL PORTIONS OF THE SYSTEM, INCLUDING CATCH BASINS, STORM DRAIN LINES, DRAINAGE SWALES, DRAINAGE CHANNELS, AND OUTLETS REQUIRE REGULAR INSPECTION AND MAINTENANCE. AT A MINIMUM, THE DESCRIBED COMPONENTS SHOULD BE INSPECTED AND/OR CLEANED ANNUALLY AND AFTER EVERY MAJOR STORM.
9. THE SURVEYOR WILL MAKE FIELD AS-BUILT MEASUREMENTS OF THE WORK UPON NOTIFICATION BY THE CLIENT OR HIS REPRESENTATIVE THAT THE WORK IS COMPLETE AND READY FOR AS-BUILT SURVEY. FOR PIPE WORK, THE CONTRACTOR IS RESPONSIBLE FOR LEAVING TRENCHES OPEN SO THAT AS-BUILTS CAN BE PERFORMED TO COMPLY WITH THE AGENCY'S REQUIREMENTS. (IF THE TRENCHES ARE BACKFILLED AND OBSCURED TO THE POINT THAT AS-BUILT MEASUREMENTS CANNOT BE PERFORMED, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO POTHOLE UTILITY TRENCHES AS NECESSARY TO COMPLETE AN AS-BUILT SURVEY).
10. ALL WATER, SEWER, AND STORM DRAIN LINES SHALL BE BEDDED IN GRANULAR MATERIAL FROM 4" BELOW THE PIPE TO 1' ABOVE THE PIPE.
11. ALL WORK SHALL BE IN CONFORMANCE WITH MAG SPECIFICATIONS AND THE CITY OF SCOTTSDALE AMENDMENTS OR ADDITIONS TO MAG UNLESS SPECIFICALLY NOTED OTHERWISE.

BENCHMARK:
BRASS CAP IN HANDHOLE AT THE INTERSECTIONS OF DOVE VALLEY ROAD AND 56TH STREET.

ELEVATION = 2051.821 (NAVD 88 C.O.S. DATUM#1172)

I HEREBY CERTIFY THAT ALL ELEVATIONS REPRESENTED ON THIS PLAN ARE BASED ON THE ELEVATION DATUM FOR THE CITY OF SCOTTSDALE BENCHMARK PROVIDED ABOVE.

COVER SHEET
CAVE CREEK UNIFIED SCHOOL DISTRICT NO. 90
IMPROVEMENT PLANS FOR THE NORTH DRIVE (FALCON WAY) AT CACTUS SHADOWS HIGH SCHOOL
DRAWING STATUS: 1ST CITY SUBMITTAL SET
SHEET 1 OF 7
C-1
DATE: 04/26/17

150803EGR1.DWG