

GRADING AND DRAINAGE NOTES:

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|----|---|----------------|
| 1 | A GRADING PERMIT IS REQUIRED UNDER CHAPTER 32A OF THE PHOENIX CITY CODE. | |
| 2 | WHEN HAUL PERMITS ARE REQUIRED, THEY MUST BE OBTAINED PRIOR TO OR CONCURRENTLY WITH THE GRADING AND DRAINAGE PERMIT. | 14 |
| 3 | EXCAVATING CONTRACTOR MUST GIVE LOCATION FOR WASTING EXCESS EXCAVATION AND A LETTER FROM OWNER GIVING PERMISSION FOR DUMPING PRIOR TO STARTING ON-SITE CONSTRUCTION. IF EXCESS EXCAVATION EXCEEDS 100 CUBIC YARDS, THE DISPOSAL SITE WILL ALSO REQUIRE A GRADING AND DRAINAGE PERMIT. | 15 |
| 4 | PLANNING & DEVELOPMENT DEPARTMENT FIELD INSPECTION GROUP SHALL BE NOTIFIED 48 HOURS BEFORE ANY ON-SITE AND/OR OFF-SITE CONSTRUCTION BEGINS, TELEPHONE (602) 262-7811. | 16 |
| 5 | A SEPARATE PERMIT IS NECESSARY FOR ANY OFFSITE CONSTRUCTION. | |
| 6 | AN APPROVED GRADING AND DRAINAGE PLAN SHALL BE ON THE JOB SITE AT ALL TIMES. DEVIATIONS FROM THE PLAN MUST BE PRECEDED BY AN APPROVED PLAN REVISION. | 17 |
| 7 | GRADING AND DRAINAGE PLAN APPROVAL INCLUDES THE CONSTRUCTION OF ALL SURFACE IMPROVEMENTS SHOWN ON THE APPROVED PLAN, INCLUDING, BUT NOT LIMITED TO, RETENTION AREAS, SEDIMENTATION BASINS, AND/OR OTHER DRAINAGE FACILITIES, DRAINAGE PATTERNS, WALLS, CURBS, ASPHALT PAVEMENT, AND BUILDING FLOOR ELEVATION. | |
| 8 | GRADES SHOWN IN RETENTION BASINS ARE DESIGN FINISHED GRADES. SHOULD THE CONTRACTOR OR ANY SUB-CONTRACTOR PLAN TO PLACE SPOIL DIRT FROM FOOTINGS, UTILITY TRENCHES, LANDSCAPING, SWIMMING POOLS, ETC. IN THE BASINS, THE BASINS SHOULD BE SUFFICIENTLY OVER-EXCAVATED DURING THE ROUGH GRADING OPERATION TO ALLOW FOR THE PLACEMENT OF THE FILL OR LANDSCAPING MATERIALS. | 18 |
| 9 | CONTRACTOR IS RESPONSIBLE FOR LOCATING AND CONFIRMING DEPTHS OF ALL THE EXISTING UTILITY LINES WITHIN PROPOSED RETENTION BASIN AREAS. IF THE BASIN CANNOT BE CONSTRUCTED PER PLAN BECAUSE OF CONFLICTS, THE CONTRACTOR SHOULD DISCUSS MODIFICATION OF BASIN CONFIGURATION WITH THE CITY INSPECTOR TO DETERMINE IF A PLAN REVISION OR A FIELD CHANGE IS REQUIRED. | 19 |
| 10 | ALL DRAINAGE PROTECTIVE DEVICES SUCH AS SWALES, INTERCEPTOR DITCHES, PIPES, PROTECTIVE BERMS, BARRIER WALLS, CONCRETE CHANNELS, OR OTHER MEASURES DESIGNED TO PROTECT ADJACENT BUILDINGS OR PROPERTY FROM STORM RUNOFF MUST BE COMPLETED PRIOR TO BUILDING CONSTRUCTION. | 20
21 |
| 11 | PER SECTION 6.8.7 OF THE CITY OF PHOENIX STORM WATER POLICIES AND STANDARDS, SIDE SLOPES OF STORM WATER STORAGE FACILITIES SHALL BE NO STEEPER THAN 5:1 FOR IRRIGATED GRASS AREAS AND 3:1 FOR LANDSCAPE AREAS. SLOPE STABILIZATION MEASURES ARE REQUIRED FOR ALL SLOPES GREATER THAN 5:1. THE SLOPE STABILIZATION MEASURES MUST BE READILY MAINTAINABLE USING COMMON MAINTENANCE EQUIPMENT AND BE DESIGNED WITH CONSIDERATION TO AESTHETICS. THE SLOPE STABILIZATION MEASURES SHALL BE CONSISTENT WITH COMMONLY USED ENGINEERING PRACTICES. UN-STABILIZED DECOMPOSED GRANITE IS NOT ALLOWED ON SLOPES GREATER THAN 5:1. | 22
23
24 |
| 12 | ALL RETAINING WALLS ARE TO BE REVIEWED, PERMITTED, AND INSPECTED BY THE BUILDING SAFETY BRANCH OF THE PLANNING & DEVELOPMENT DEPARTMENT. ALL RETAINING WALLS ARE TO BE IN ACCORDANCE WITH SECTION 703 OF THE ZONING ORDINANCE AND SECTION 32-32 OF THE SUBDIVISION ORDINANCE FOR SPECIFIC WALL HEIGHT REQUIREMENTS. | |
| A. | USE PERMIT FOR IS REQUIRED FOR ALL OVER-HEIGHT RETAINING WALLS. | 25 |

CITY OF PHOENIX TRAFFIC SIGNALS	STAKE CENTER DISPATCH	11/18/20
	CO. REPRESENTATIVE CONTACTED	DATE SUBMITTED
CITY OF PHOENIX WATER SERVICES DEPARTMENT	ART NUNEZ	11/18/20
	CO. REPRESENTATIVE CONTACTED	DATE SUBMITTED
COX COMMUNICATIONS	USIC DISPATCH	11/18/20
	CO. REPRESENTATIVE CONTACTED	DATE SUBMITTED
CENTURY LINK	USIC DISPATCH	11/18/20
	CO. REPRESENTATIVE CONTACTED	DATE SUBMITTED
SALT RIVER PROJECT – MARICOPA COUNTY	SRP BLUESTAKE	11/18/20
	CO. REPRESENTATIVE CONTACTED	DATE SUBMITTED
SOUTHWEST GAS CONTRACT LOCATOR NF	ELM LOCATING DISPATCH	11/18/20
	CO. REPRESENTATIVE CONTACTED	DATE SUBMITTED

FOR THE

AT

**SITE ADDRESS: 6308 WEST CAMPBELL AVENUE
PHOENIX, ARIZONA 85033**

FOR

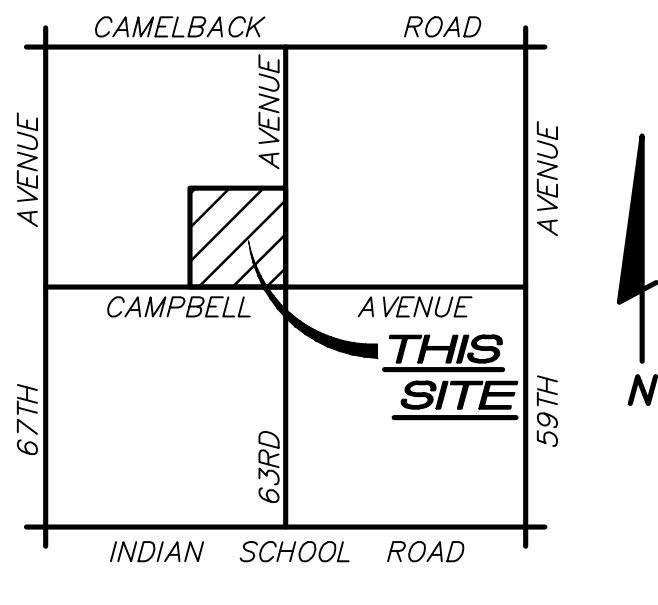
**3401 N. 67TH AVENUE,
PHOENIX, AZ 85033
PHONE: (623) 691-4002**

SITE INFORMATION:

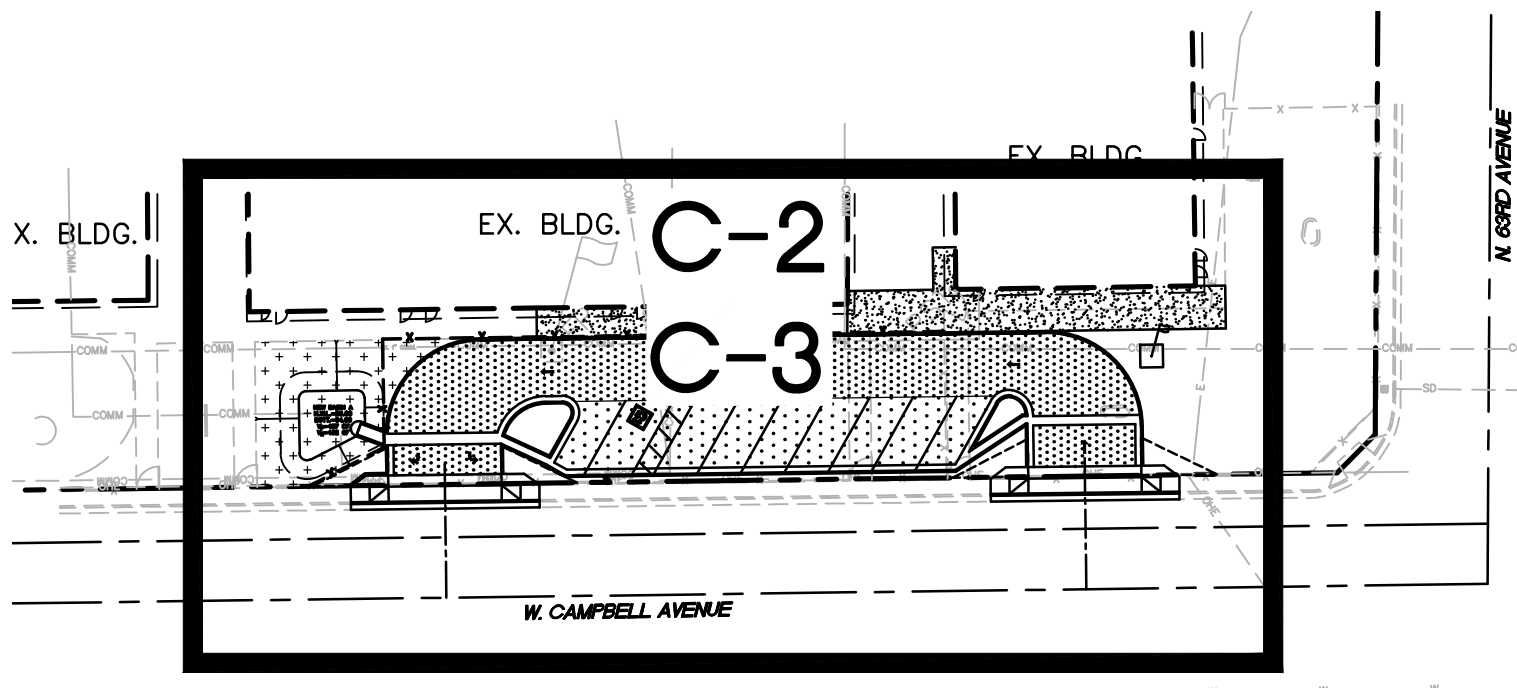
NET ACREAGE = 19.15 ACRES
DISTURBED AREA = 0.26 ACRES

SHEET INDEX:

C-1 COVER SHEET
C-2 PARTIAL TOPOGRAPHIC SURVEY
AND DEMOLITION PLAN
C-3 GRADING AND DRAINAGE PLAN



VICINITY MAP
NOT TO SCALE



SHEET INDEX MAP
NOT TO SCALE

BENCH MARK:

CITY OF PHOENIX BRASS CAP IN HANDHOLE LOCATED AT THE INTERSECTION
OF 63RD AVENUE AND CAMELBACK ROAD.

ELEVATION=1113.351 (CITY OF PHOENIX NGVD29 DATUM)

ESTIMATED OFFSITE QUANTITIES:

ITEM	DESCRIPTION	EST. QTY.
1.	EXISTING CONCRETE VERTICAL CURB AND GUTTER REMOVAL	100 LF
2.	EXISTING CONCRETE SIDEWALK REMOVAL	400 SF
3.	CONCRETE VERTICAL CURB AND GUTTER	100 LF
4.	COMMERCIAL DRIVEWAY ENTRANCE	2 EA

NOTE:

QUANTITIES ARE FOR PERMIT PURPOSES ONLY. CONTRACTOR TO
VERIFY THEIR OWN QUANTITIES.

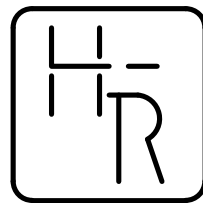
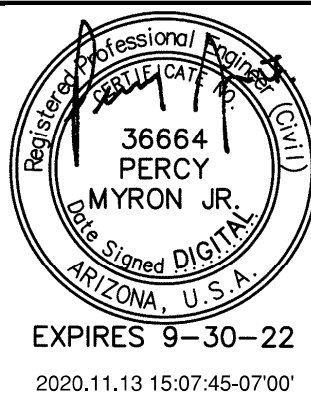
RETENTION SUMMARY TABLE

STORAGE	VOLUME PROVIDED	VOLUME REQUIRED	AS BUILT VOL.
BASIN A	457 CF	432 CF	

PROJECT DESCRIPTION:

THIS PROJECT CONSISTS OF CONSTRUCTION OF A NEW PARKING LOT AND INSTALLATION OF TWO NEW DRIVEWAYS. ONE NEW RETENTION BASIN WITH FIRST FLUSH CAPACITY WILL BE CONSTRUCTED.

Q.S. #18-13



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

DES. DRO	DRN. ANM	CKD. DRO	JOB NO. 2007-02
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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, THESE ARE SOLELY THE CONTRACTOR'S 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. 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. ALL VALVE BOXES, MANHOLES, ETC. IN CONCRETE PAVEMENT AREAS SHALL BE ISOLATED FROM THE CONCRETE PAVEMENT WITH EXPANSION JOINTS.
7. ALL NEW UNDERGROUND FACILITIES/UTILITIES SHALL BE INSTALLED WITH A DETECTABLE UNDERGROUND LOCATION DEVICE. INSTALL A #18 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 INCLUDE ALL COSTS ASSOCIATED WITH THIS REQUIREMENT IN THEIR BID.
8. THE CONTRACTOR SHALL MAKE NO CLAIMS AGAINST THE OWNER OR THE DESIGN CIVIL ENGINEER REGARDING ALLEGED INACCURACY OF CONSTRUCTION STAKES SET BY THE DESIGN CIVIL ENGINEER UNLESS ALL SURVEY STAKES SET BY THE DESIGN CIVIL ENGINEER ARE MAINTAINED INTACT AND CANNOT BE VERIFIED AS TO THEIR ORIGIN, ANY REMEDIAL WORK REQUIRED TO CORRECT ANY ITEM OF IMPROPER CONSTRUCTION WORK IN THIS DEVELOPMENT SHALL BE PERFORMED AT THE SOLE EXPENSE OF THE RESPONSIBLE CONTRACTOR OR SUBCONTRACTOR.
9. ALL NEW PRIVATE UNDERGROUND UTILITIES (WATER LINES 3" AND LARGER, SEWER LINES, FIRE LINES AND STORM DRAIN LINES) SHALL BE BEDDED WITH A.B.C., PER MAG SECTION 702, FROM 4" (MIN.) BELOW THE BOTTOM OF THE PIPE TO 12" (MIN.) ABOVE THE TOP OF THE PIPE.

AS-BUILT CERTIFICATION:

I HEREBY CERTIFY THAT THE "RECORD DRAWING" MEASUREMENTS AS SHOWN HEREON WERE MADE UNDER MY SUPERVISION OR NOTED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

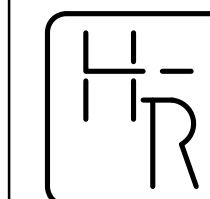
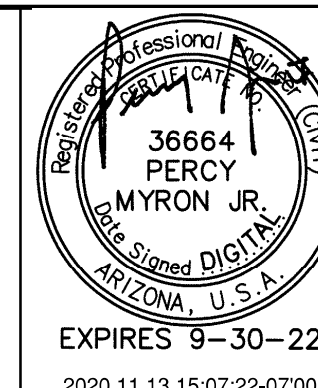
REGISTERED ENGINEER/LAND SURVEYOR _____ DATE _____

REGISTRATION NUMBER

COVER SHEET

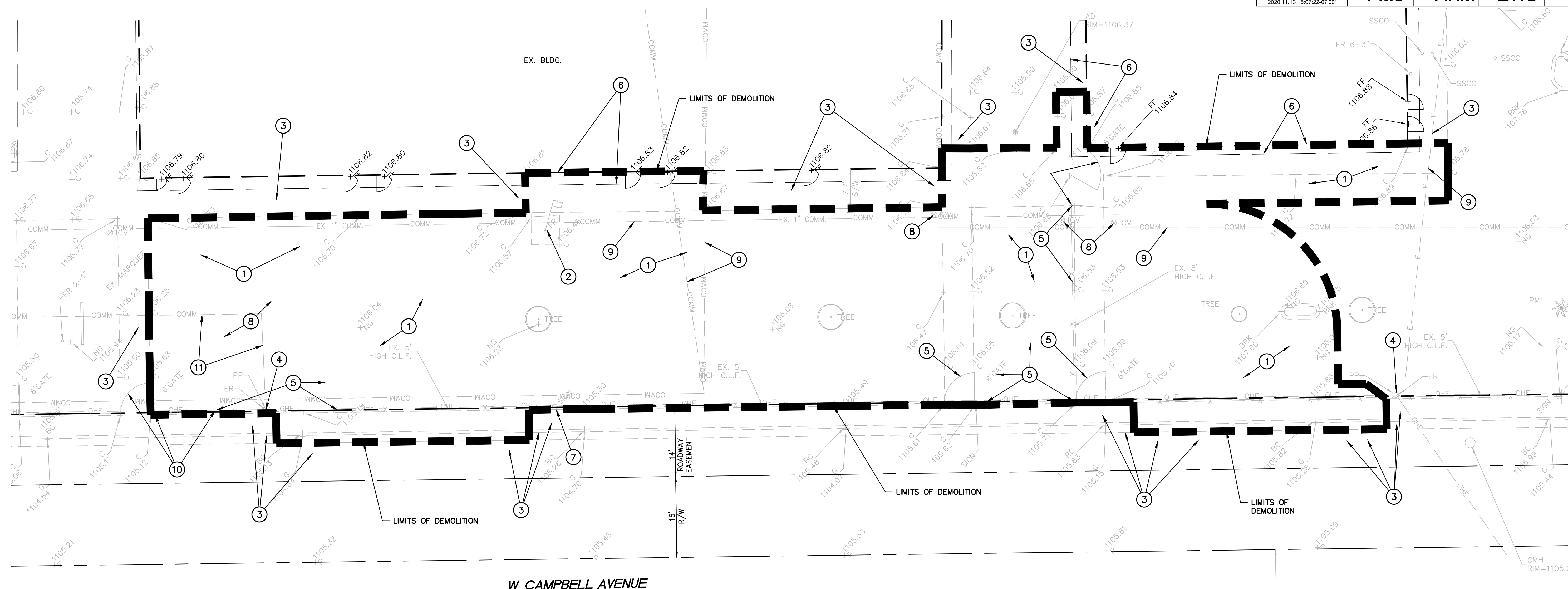
<i>CARTWRIGHT SCHOOL DISTRICT NO. 83</i>		
<i>PARKING LOT ADDITION AT DESERT SANDS MIDDLE SCHOOL 6308 W. CAMPBELL AVE., PHOENIX, AZ 85033</i>		
DRAWING STATUS	SHEET	OF
<i>CD SET</i>	<i>1</i>	<i>3</i>
DATE: <i>11-13-20</i>		
		<i>C-1</i>





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PHOENIX, ARIZONA 85044 (480)496-0244

DES. **PMJ** DRN. **ANM** CKD **DRO** JOB NO. **2007-02**



W. CAMPBELL AVENUE

LEGEND:

×BC	1106.39	EXISTING BACK OF CURB ELEVATION
×G	1105.91	EXISTING GUTTER ELEVATION
×C	1106.38	EXISTING CONCRETE ELEVATION
×P	1106.16	EXISTING PAVEMENT ELEVATION
×BRK	1107.72	EXISTING BRICK ELEVATION
×TB	1106.15	EXISTING TOP OF BERM ELEVATION
×TS	1103.43	EXISTING TOE OF SLOPE ELEVATION
×NG	1106.25	EXISTING GROUND ELEVATION
×FF	1106.85	EXISTING FINISH FLOOR ELEVATION
×COCB	1105.52	EXISTING CURB OPENING CATCH BASIN
●BCAP		EXISTING BRASS CAP
□COMM BX		EXISTING COMMUNICATION BOX
□EV		EXISTING ELECTRIC VAULT
○SSCO		EXISTING SANITARY SEWER CLEANOUT
○SIGN		EXISTING SIGN
○ER		EXISTING ELECTRIC RISER
○PP		EXISTING POWER POLE
×ICV		EXISTING IRRIGATION CONTROL VALVE

○CMH	RIM=1105.62	EXISTING COMMUNICATION MANHOLE
●AD	RIM=1106.37	EXISTING AREA DRAIN
○FP		EXISTING FLAG POLE
○TREE		EXISTING TREE
○PM1		EXISTING PALM TREE
●F=05.00		PROPOSED FLOWLINE ELEVATION
●P=06.19		PROPOSED PAVEMENT ELEVATION
●C=06.83		PROPOSED CONCRETE ELEVATION
●TC=06.69		PROPOSED TOP OF CURB ELEVATION
●G=05.29		PROPOSED GUTTER ELEVATION
●G.B.		PROPOSED GRADE BREAK
—S=0.30%		PROPOSED SLOPE AND DIRECTION

□	PROPOSED ASPHALTIC CONCRETE PAVEMENT (2" A.C. (TYPE C-3/4") OVER 5" A.B.C. OVER 12" COMPACTED SUBGRADE).
□	PROPOSED CONCRETE SIDEWALK (CITY OF PHOENIX STANDARD DETAIL NO P1230).
□	PROPOSED TYPE III SLURRY SEAL
□	PROPOSED ASPHALTIC CONCRETE PAVEMENT (3" A.C. (TYPE C-3/4") OVER 6" A.B.C. OVER 12" COMPACTED SUBGRADE).

GENERAL DEMOLITION NOTES:

- EXISTING STRUCTURES, MATERIALS, LANDSCAPING, ETC., THAT ARE TO REMAIN, WHICH ARE DAMAGED IN THE PERFORMANCE OF THE WORK, ARE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR OR REPLACE IN KIND. THE ENGINEER SHALL BE THE SOLE JUDGE OF ACCEPTABILITY OF REPAIR OR REPLACEMENT.
- ALL NON-SALVAGE ITEMS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
- SECURITY AND SAFETY ARE THE CONTRACTOR'S SOLE RESPONSIBILITY.
- ALL UTILITIES ARE TO REMAIN IN PLACE (WATER, SEWER, TELEPHONE, STORM DRAIN, FLOOD IRRIGATION, GAS, ETC.) UNLESS NOTED OTHERWISE. PROTECT FROM DAMAGE.
- SAWCUT SIDEWALKS AND CONCRETE AT NEAREST JOINT OR AS DIRECTED BY THE CITY INSPECTOR.
- SAWCUT ASPHALTIC CONCRETE AT LIMITS OF DEMOLITION AS SHOWN ON PLANS OR AS DIRECTED BY THE CITY INSPECTOR.
- SALVAGE ITEMS NOT BEING REINSTALLED SHALL BE DELIVERED TO THE DISTRICT MAINTENANCE YARD.

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 REMAIN AND BE PROTECTED UNLESS NOTED OTHERWISE.
- EXISTING FLAG POLE TO BE RELOCATED. REMOVE EXISTING COLUMN AND FOOTING IN ITS ENTIRETY.
- PROTECT EXISTING A.C. PAVEMENT, CONCRETE SIDEWALK OR CONCRETE VERTICAL CURB AND GUTTER FROM DAMAGE.
- PROTECT EXISTING POWER POLE OR ELECTRIC RISER FROM DAMAGE.
- REMOVE EXISTING GATES, POSTS AND FOOTINGS. DISPOSE OF LEGALLY OFFSITE.
- PROTECT EXISTING BUILDING, COLUMNS AND OVERHANG FROM DAMAGE.
- PROTECT SIGN FROM DAMAGE.
- ALL IRRIGATION LINES WITHIN THE PROPOSED IMPROVEMENTS SHALL BE REMOVED AND CAPPED AT THE DEMOLITION LINE.
- EXISTING COMMUNICATION OR ELECTRIC LINE TO REMAIN. PROTECT FROM DAMAGE. FIELD VERIFY ELEVATION AND LOCATION PRIOR TO CONSTRUCTION
- EXISTING FENCE/GATE TO REMAIN. PROTECT FROM DAMAGE.
- FIELD VERIFY ELEVATION OF EXISTING COMMUNICATION LINE PRIOR TO CONSTRUCTION. CONTRACTOR TO COORDINATE WITH APPROPRIATE UTILITY COMPANY ON LOWERING OR REROUTING OF EXISTING COMMUNICATION LINE DUE TO PROPOSED CONSTRUCTION.

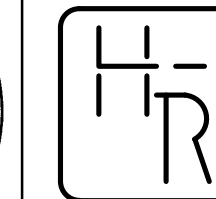
PARTIAL TOPOGRAPHIC SURVEY AND DEMOLITION PLAN

CARTWRIGHT SCHOOL DISTRICT NO. 83

**PARKING LOT ADDITION AT DESERT SANDS MIDDLE SCHOOL
6308 W. CAMPBELL AVE., PHOENIX, AZ 85033**

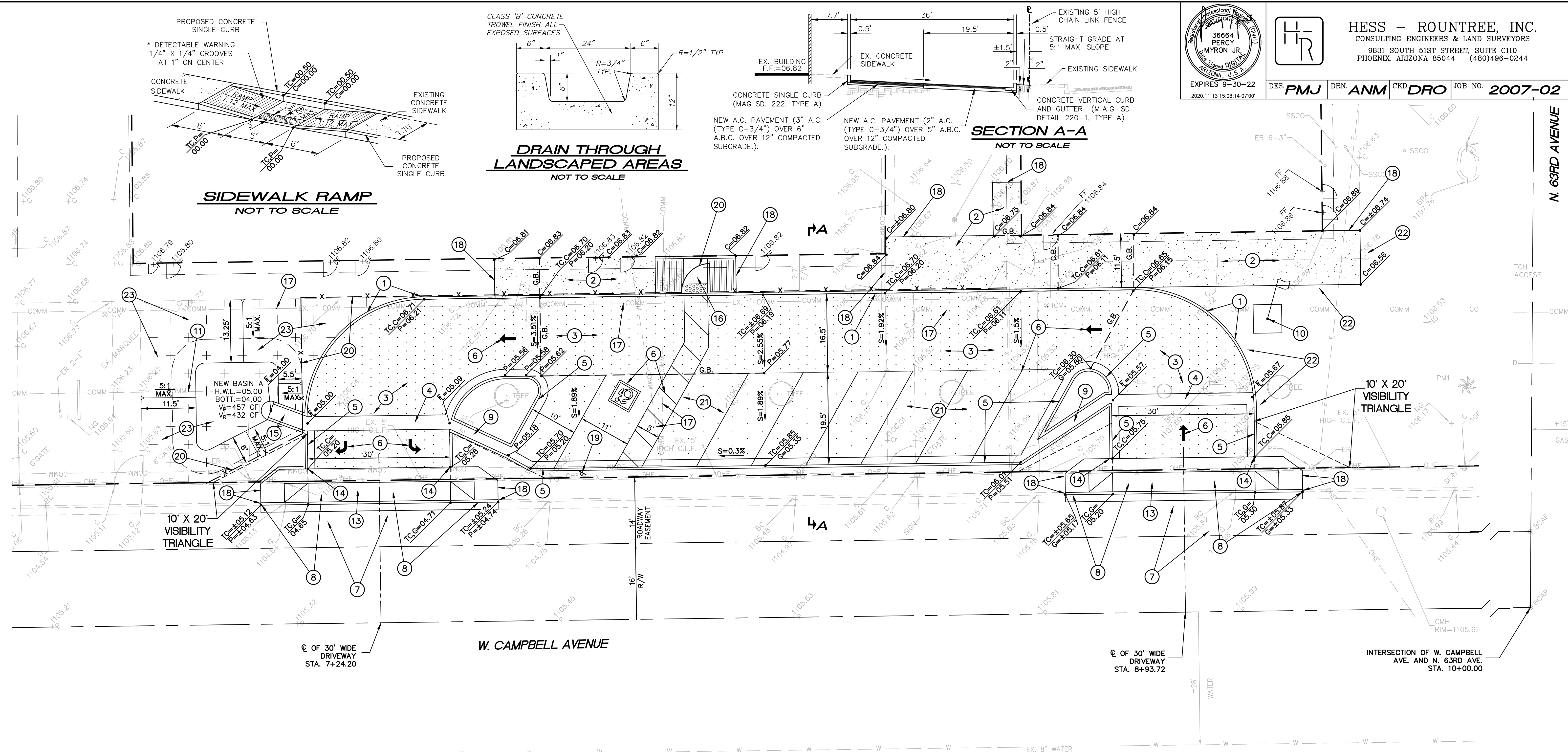
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DATE:	11-13-20		





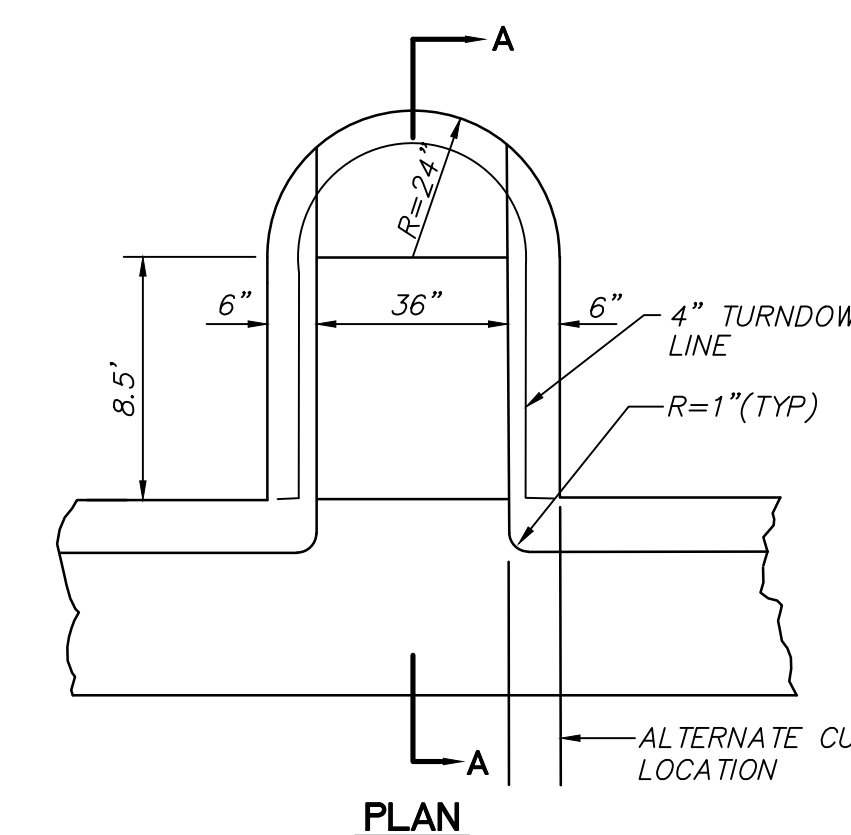
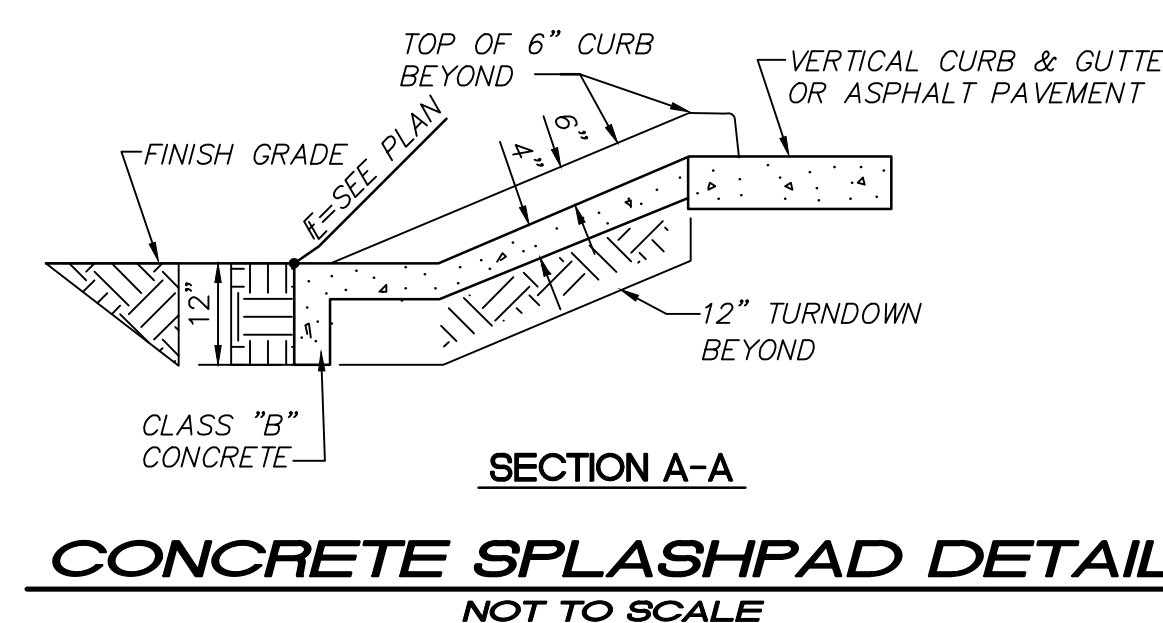
HESS - ROUNTREE, INC.
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9831 SOUTH 51ST STREET, SUITE C110
PHOENIX, ARIZONA 85044 (480)496-0244

DES. **PMU** DRN. **ANM** CKD. **DRO** JOB NO. **2007-02**



GRADING AND DRAINAGE CONSTRUCTION NOTES:

1. INSTALL CONCRETE SINGLE CURB (MAG STANDARD DETAIL NO. 222, TYPE 'A').
2. INSTALL CONCRETE SIDEWALK (CITY OF PHOENIX STANDARD DETAIL NO. P1230). SEE ARCHITECTURAL PLANS FOR SCORING AND FINISH.
3. INSTALL ASPHALTIC CONCRETE PAVEMENT (3" A.C. (TYPE C-3/4") OVER 6" A.B.C. OVER 12" COMPACTED SUBGRADE).
4. CONSTRUCT CONCRETE VALLEY GUTTER (MAG STANDARD DETAIL NO. 240, MODIFIED TO BE 3' WIDE ADD HAVE A 3/4" FLOW LINE DEPTH).
5. CONSTRUCT CONCRETE VERTICAL CURB AND GUTTER (MAG STANDARD DETAIL NO. 220-1, TYPE A).
6. PAINT STRIPE PARKING LOT TO THE ALIGNMENTS INDICATED, INCLUDING THE PAINTING OF ALL HANDICAP SYMBOLS, WALKWAYS AND PARKING STALLS (TYPICAL).
7. MAINTAIN NEAT AND CLEAN EDGE OF PAVEMENT DURING REMOVAL OF EXISTING CURB AND INSTALLATION OF NEW CURB AND DRIVEWAY ENTRANCE. IF EXISTING PAVEMENT IS DAMAGED, SAWCUT REMOVE AND REPLACE A MINIMUM TWO FEET (2') OF EXISTING A.C. PAVEMENT IN KIND. THEN CRACK FILL AND SLURRY SEAL ROADWAY PER THE CITY OF PHOENIX'S PAVEMENT CUT POLICY.
8. SAWCUT AND REMOVE EXISTING CONCRETE VERTICAL CURB, GUTTER AND SIDEWALK.
9. INSTALL DRAIN THROUGH LANDSCAPED AREA. (SEE DETAIL ON THIS SHEET).
10. INSTALL SALVAGED FLAG POLE (SEE ARCHITECTURAL PLANS).
11. FIELD VERIFY ELEVATION AND LOCATION OF EXISTING COMMUNICATION LINE PRIOR TO CONSTRUCTION. CONTRACTOR TO COORDINATE LOWERING OR REROUTING OF COMMUNICATION LINE DUE TO NEW CONSTRUCTION.
12. PROTECT EXISTING TREE FROM DAMAGE.
13. CONSTRUCT 30 - FOOT WIDE CONCRETE DRIVEWAY ENTRANCE (CITY OF PHOENIX STANDARD DETAIL NO. P1255-1).
14. CONSTRUCT CURB TERMINATION (MAG STANDARD DETAIL NO. 222).
15. CONSTRUCT CONCRETE SPLASHPAD (SEE DETAIL ON THIS SHEET).
16. CONSTRUCT SIDEWALK RAMP (SEE DETAIL ON THIS SHEET).
17. FIELD VERIFY LOCATION AND ELEVATION OF EXISTING COMMUNICATION LINE PRIOR TO THE START OF CONSTRUCTION. PROTECT FROM DAMAGE.
18. MATCH EXISTING CONCRETE SIDEWALK AND CONCRETE VERTICAL CURB AND GUTTER LOCATION AND ELEVATION.
19. INSTALL HANDICAP PARKING SIGN PER CITY OF PHOENIX REQUIREMENTS. INSTALL POST AND FOOTING PER MAG STANDARD DETAIL NO. 131, TYPE 'B').
20. FENCE AND GATE (SEE ARCHITECTURAL PLANS).
21. INSTALL ASPHALTIC CONCRETE PAVEMENT (2" A.C. (TYPE C-3/4") OVER 5" A.B.C. OVER 12" COMPACTED SUBGRADE). TYPICAL IN PARKING STALL AREAS.
22. STRAIGHT GRADE FROM 1" BELOW TOP OF CURB/SIDEWALK TO MATCH EXISTING GRADE AT A 5:1 MAX. SLOPE. INSTALL NEW SOD AS NEEDED PER NEW CONSTRUCTION.
23. INSTALL 2" THICK, 1/4" MINUS STABILIZED DECOMPOSED GRANITE. COLOR PER OWNER.



GRADING AND DRAINAGE PLANS

CARTWRIGHT SCHOOL DISTRICT NO. 83

PARKING LOT ADDITION AT DESERT SANDS MIDDLE SCHOOL
6308 W. CAMPBELL AVE., PHOENIX, AZ 85033

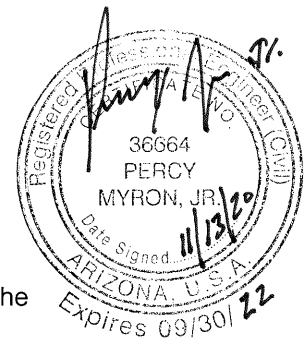
DRAWING STATUS	SHEET	OF	
CD SET	3	3	C-3
DATE:	11-13-20		



SECTION 02 2113 - CONSTRUCTION STAKING

All construction staking shall be performed by a State of Arizona licensed surveyor acceptable to the Owner and Architect.

Stakes: A minimum one set of construction grade stakes or "blue-tops", if possible, of the following kind and at the stated interval shall be set by the Civil Engineer/Surveyor.



1. Demolition: limits as required.
2. Rough grade for building pads, drives, retention basins, sidewalks and other site areas to be graded: cut/fill stakes at 50-foot intervals and grade breaks.
3. Finish grade blue tops for retention basins: at 25-foot intervals and grade breaks.
4. One site benchmark.
5. Top of sidewalks finish grade: 25-foot intervals and grade breaks.
6. Finish grade blue tops (complete site within contractor's jurisdiction) after completion of sidewalks prior to installation of landscaping: 25-foot intervals and grade breaks.
7. Concrete curbing: top of curb location and elevation at 50-foot intervals and grade breaks.
8. Concrete valley gutter: flow line elevations at 25-foot intervals and grade breaks.
9. Paving areas: subgrade at 50-foot intervals and grade breaks.
A.B.C. at 25-foot intervals and grade breaks.
10. Perimeter fence: at 50-foot intervals.
11. Verify boundary lines and property corners.
12. City as-builts.
13. Office computer calculation for above staking.

Notification shall be a minimum 48 hours, or as requested by the Surveyor (excluding Saturdays, Sundays and Holidays) before the start of staking for the requested construction stakes. If the stakes are not used for construction within 72 hours or a reasonable time thereafter as approved by the Engineer, they shall be checked by the Surveyor for accuracy at the expense of the Contractor. The Contractor shall schedule his Work to coordinate with the completion of staking.

The Contractor agrees to pay for the costs of additional restaking and reinspection caused by the Contractor (i.e. unnecessary delays, removal and replacement of defective work, etc.) at the rate of \$90.00 per hour for Inspector or Project Engineer and \$110.00 per hour for Professional Engineer.

END OF SECTION