

GENERAL NOTES FOR PUBLIC WORKS 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 ASSOCIATED PERMIT HAS NOT BEEN ISSUED WITHIN THIS TIME FRAME, THE PLANS MUST BE RESUBMITTED TO THE CITY FOR RE-APPROVAL.
4. A CITY INSPECTOR WILL INSPECT ALL WORKS WITHIN THE CITY OF SCOTTSDALE. NOTIFY INSPECTION SERVICES 72 HOURS BEFORE BEGINNING WORK.
5. WHENEVER EXCAVATION IS NECESSARY, CALL THE BLUE STAKE CENTER, 811, TWO WORKING DAYS BEFORE EXCAVATION BEGINS.
6. PERMISSION TO WORK IN THE RIGHT-OF-WAY (PWR) PERMITS ARE REQUIRED FOR ALL WORKS WITHIN THE RIGHTS-OF-WAY AND EASEMENTS GRANTED FOR PUBLIC PURPOSES. 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 PERMITS DOCUMENTATION IS OBTAINED.

ESTIMATED TOTAL DISTURBED AREA:

DISTURBED AREA = 2.50 ACRES

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	1770	L	10-16-13	X	N/A
	10-16-13				

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.

NO CONFLICT SIGNATURE BLOCK

Utility	Utility Company	Name of Company Representative	Telephone Number	Date Submitted	Date Signed
Water	City of Scottsdale	Elizabeth Norton	480-312-5650	1/28/20	X
Storm Drains	City of Scottsdale	Anyone Who Answers	602-206-2077	1/28/20	X
Elec./Sewer/Water	City of Scottsdale	Cindy Bowen	480-312-5999	1/28/20	X
Cable TV	Cox Communications	USIC Dispatch Center	800-778-9140	1/28/20	X
Cable TV	CTLQL - CenturyLink	Ray Perales	610-761-8524	1/28/20	X
Comm./Elec.	SRP-Maricopa County	SRP Blue Stake	602-236-8026	1/28/20	X
Gas	Southwest Gas	Troy Gungl	480-730-3675	1/28/20	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 \_\_\_\_\_ DATE \_\_\_\_\_

IMPROVEMENT PLANS

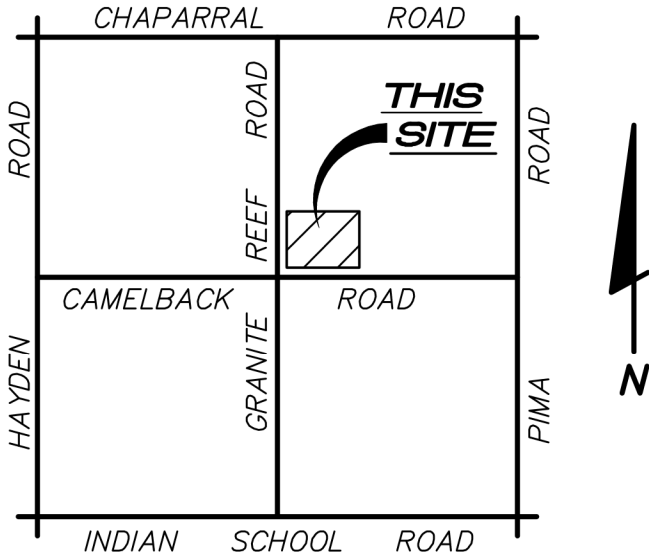
FOR THE  
NEW BUS DROP AND PARKING LOT

FOR  
NAVAJO ELEMENTARY SCHOOL

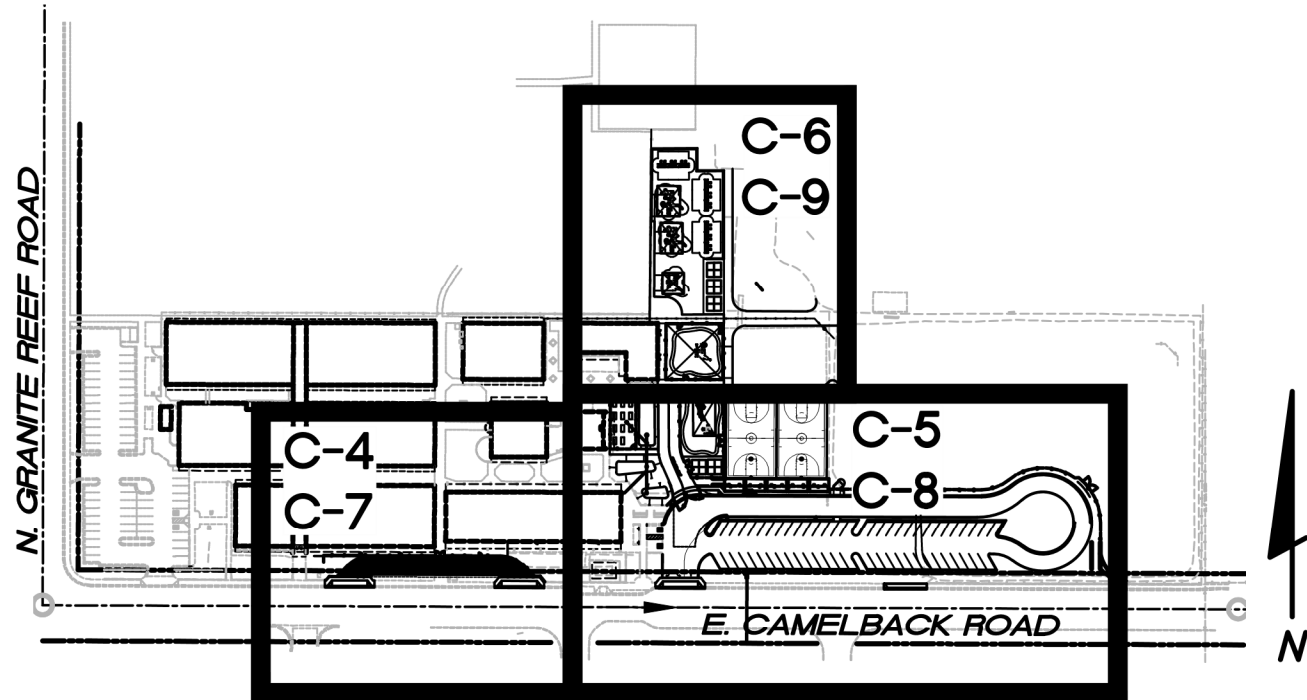
4525 N. GRANITE REEF ROAD, SCOTTSDALE, AZ 85251

FOR  
SCOTTSDALE UNIFIED SCHOOL DISTRICT

7575 E. MAIN STREET  
SCOTTSDALE, ARIZONA 85251  
PHONE: (480) 484-6100



VICINITY MAP  
NOT TO SCALE



SHEET INDEX MAP  
NOT TO SCALE

OWNER:

SCOTTSDALE UNIFIED SCHOOL DISTRICT NO. 48  
7575 EAST MAIN STREET  
SCOTTSDALE, ARIZONA 85251  
PHONE: (480) 484-6100  
CONTACT: DENNIS ROEHLER

ENGINEER:

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

SHEET INDEX:

- C-1 COVER SHEET
- C-2 DETAILS AND LEGEND SHEET
- C-3 PLAYCOURT DETAILS AND CROSS-SECTIONS SHEET
- C-4 PARTIAL TOPOGRAPHIC SURVEY AND DEMOLITION PLAN
- C-5 PARTIAL TOPOGRAPHIC SURVEY AND DEMOLITION PLAN
- C-6 PARTIAL TOPOGRAPHIC SURVEY AND DEMOLITION PLAN
- C-7 GRADING AND DRAINAGE PLAN
- C-8 GRADING AND DRAINAGE PLAN
- C-9 GRADING AND DRAINAGE PLAN
- SWM-1 STORMWATER MANAGEMENT PLAN - COVER SHEET
- SWM-2 STORMWATER MANAGEMENT PLAN

NOTE:

"SHALL PROVIDE KEY SWITCH / PRE-EMPTION / KNOX KEY ACCESS TO ALL ANY GATES PER FIRE ORD. 4283 SEC. 503.6.1"

NOTE:

"FIRE LANE SURFACE(S) WILL SUPPORT 83K GVW PER DSW PER DS&PM SEC. 2-1.303(3)"

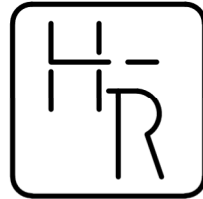
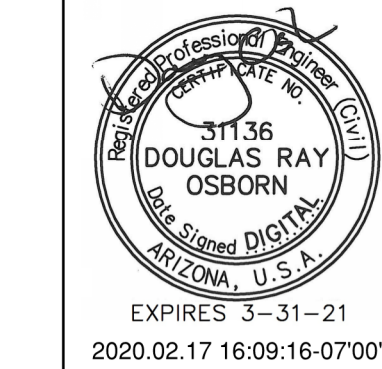
AS-BUILT CERTIFICATION

I HEREBY CERTIFY THAT THE "AS-BUILT" INFORMATION AS SHOWN HEREON WAS MADE UNDER MY SUPERVISION, OR AS NOTED, AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED PROFESSIONAL ENGINEER OR  
REGISTERED LAND SURVEYOR

DATE

CIVIL APPROVAL			
REVIEW & RECOMMENDED APPROVAL BY:			
PAVING		TRAFFIC	
G & D		PLANNING	
W & S		FIRE	
RET. WALLS			
ENGINEERING COORDINATION MANAGER OR DESIGNEE		DATE	



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

DES. **MAM** DRN. **ANM** CKD **DRO** JOB NO. **1904-10**

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.

BENCHMARK:

CITY OF SCOTTSDALE BRASS CAP, FLUSH, LOCATED AT THE INTERSECTION OF CAMELBACK ROAD AND GRANITE REEF ROAD.

ELEVATION=1252.93 (CITY OF SCOTTSDALE NAVD88 DATUM)

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

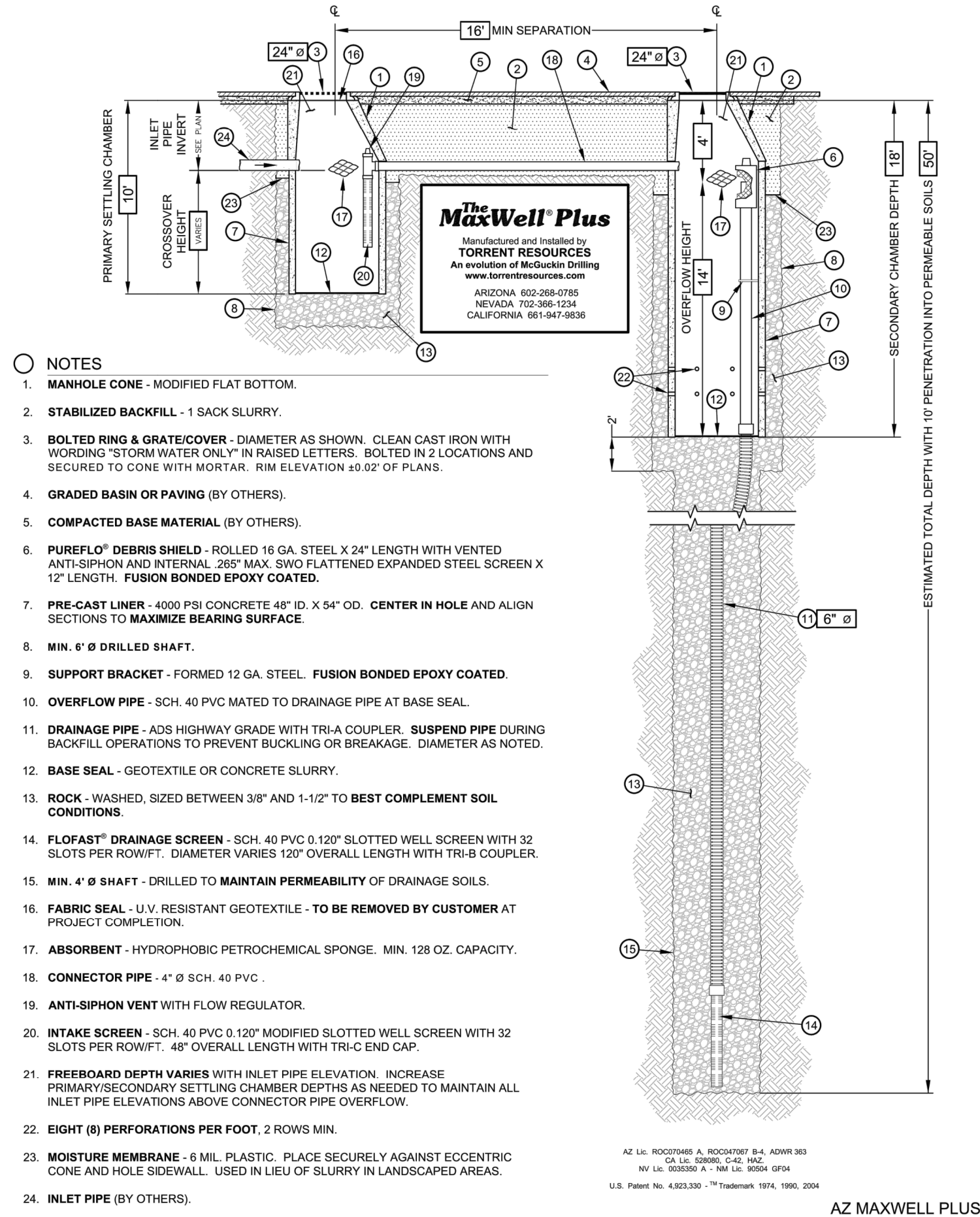
COVER SHEET

SCOTTSDALE UNIFIED SCHOOL DISTRICT			
BUS DROP AND PARKING LOT PLANS FOR NAVAJO ELEMENTARY SCHOOL			
DRAWING STATUS	SHEET	OF	C-1
2ND CITY SUBMITTAL SET			
	1	9	
DATE: 02-14-20			





Navajo Elementary - Bus Drop and Parking Lot - Scottsdale  
The MaxWell® Plus Drainage System Detail And Specifications

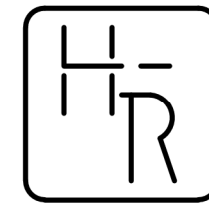
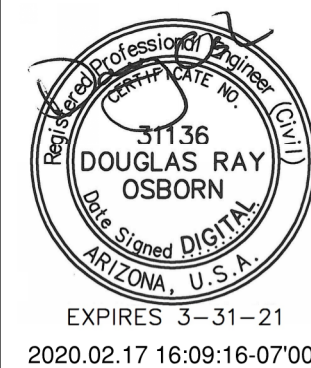
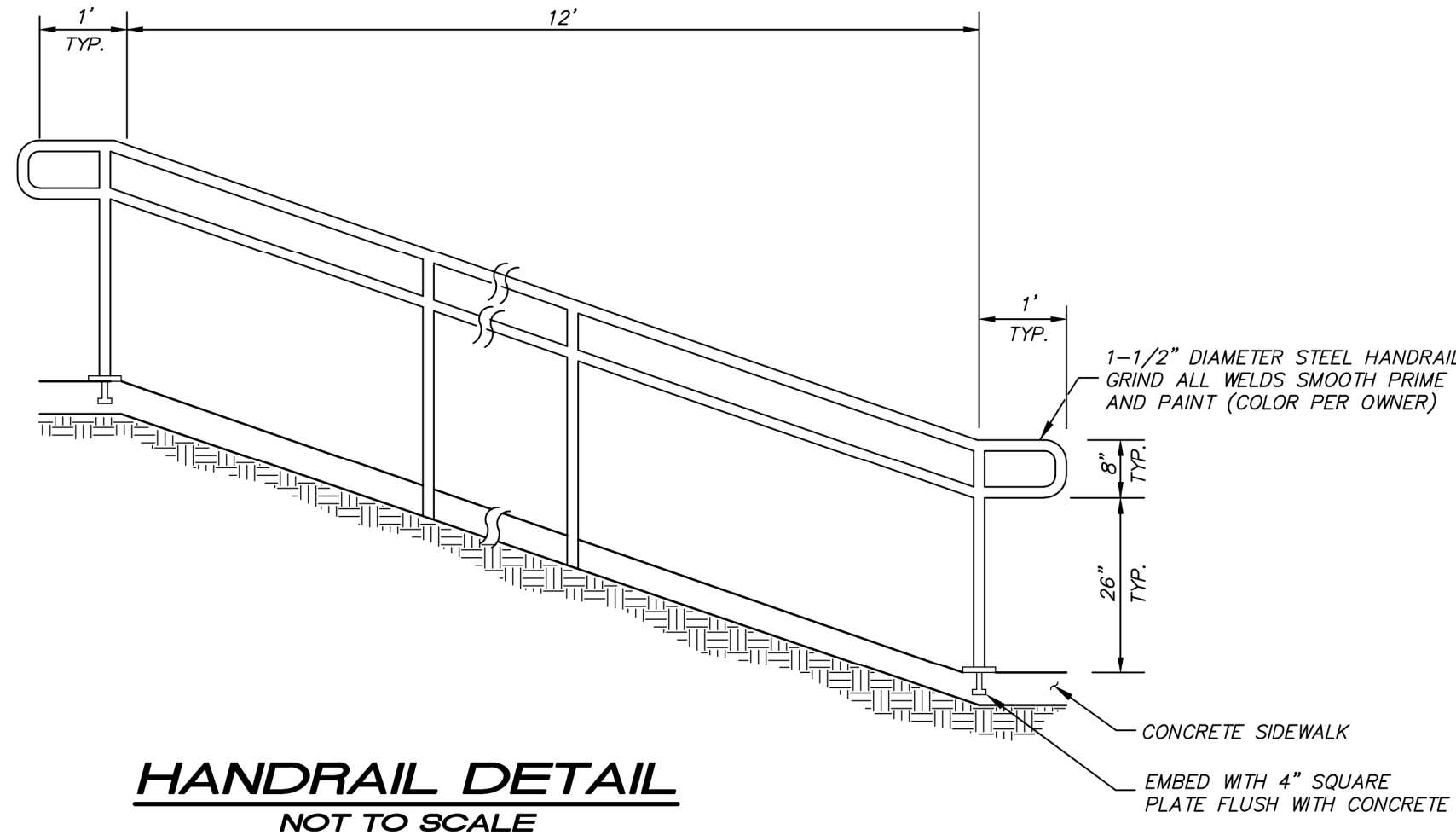
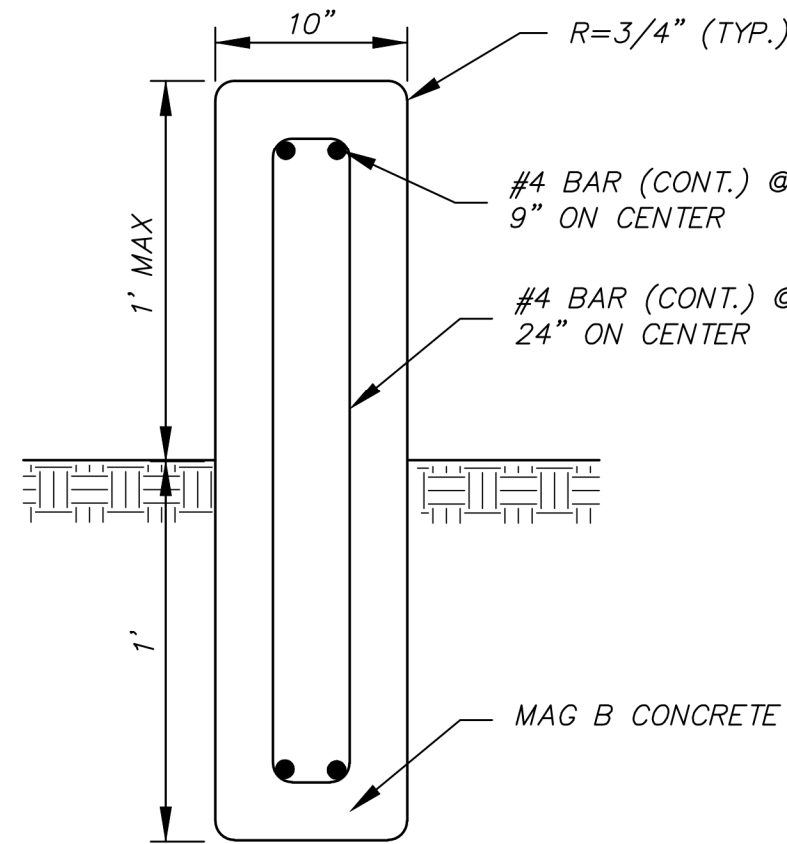
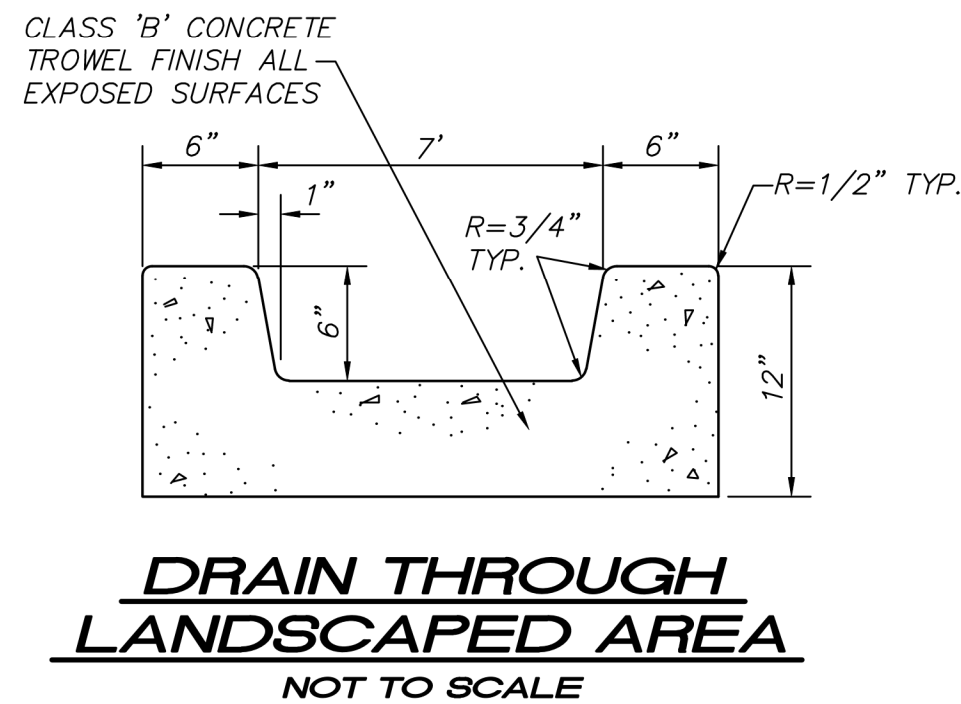
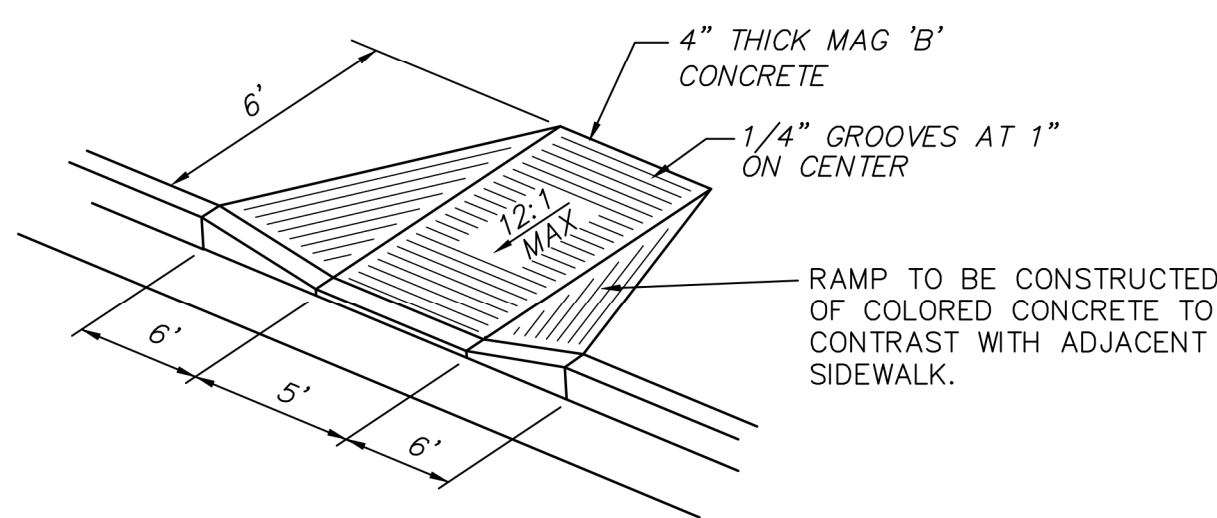
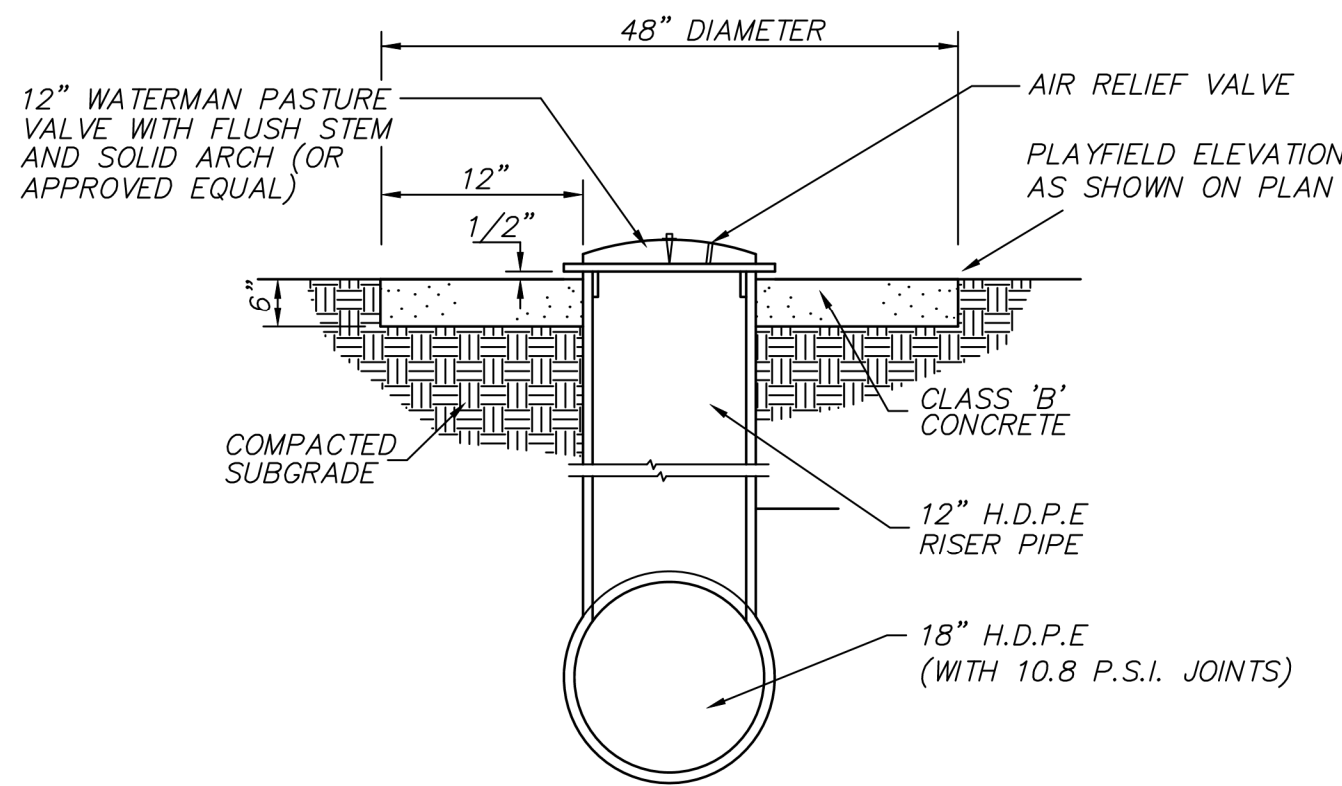
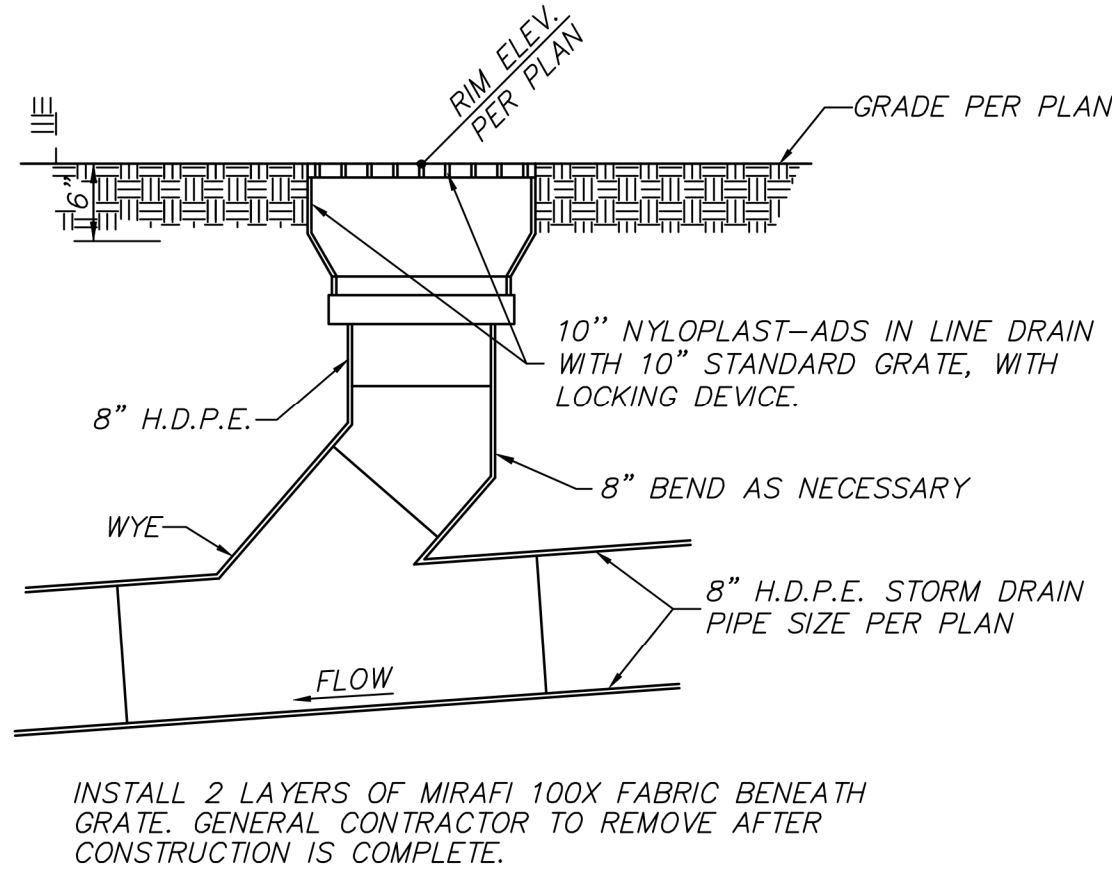
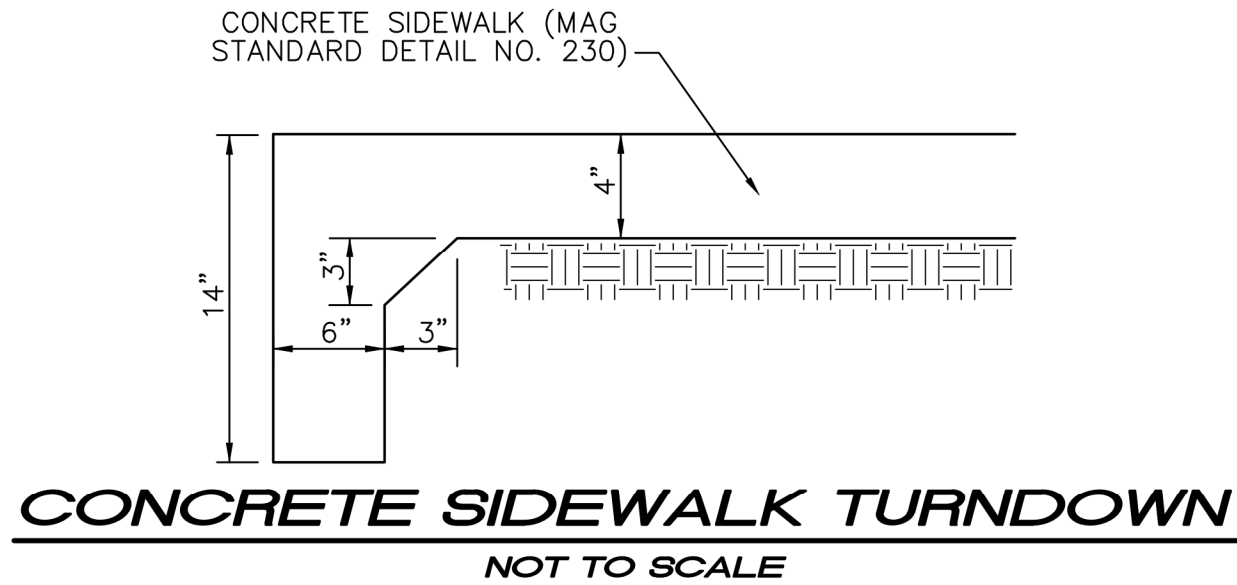
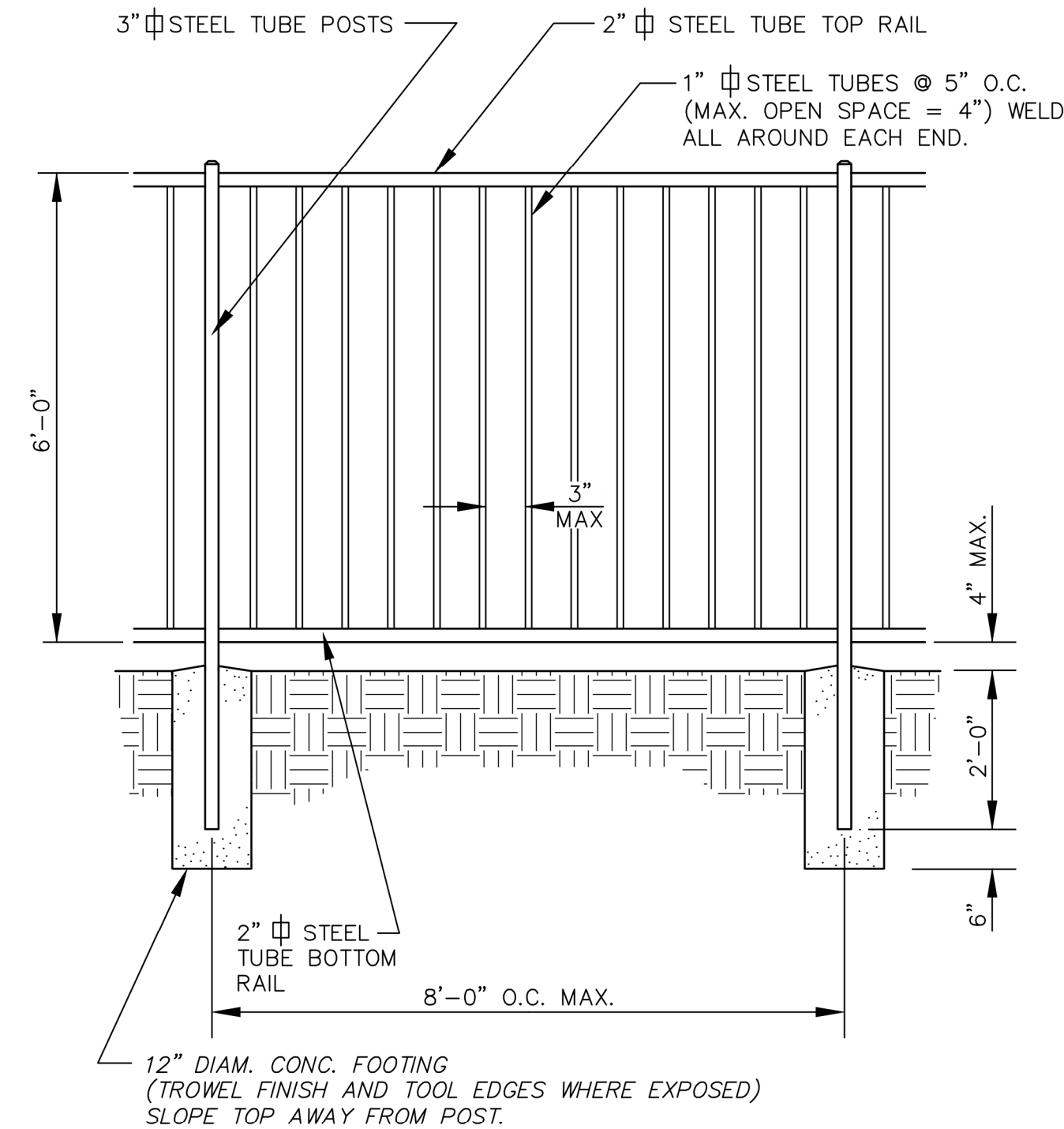


**DRYWELL NOTES:**

- INSTALL DRYWELL WITH A 6" X 6" CONCRETE COLLAR AT THE RIM. COLLAR SHALL BE FORMED WITH SONOTUBE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REGISTERING DRYWELL WITH ADEQ.

**NOTE:**

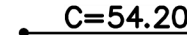
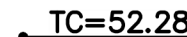

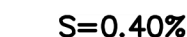

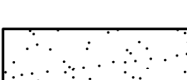
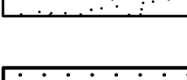
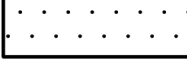


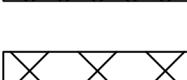
COLOR OF ALL WROUGHT IRON FENCE SHALL BE "BLACK BAY" DE A 188 SEMI-GLOSS



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**PROPOSED LEGEND**

	PROPOSED CONCRETE ELEVATION
	PROPOSED TOP OF CURB ELEVATION
	PROPOSED PAVEMENT ELEVATION
	PROPOSED SLOPE
	PROPOSED GRADE BREAK
	PROPOSED CONCRETE SIDEWALK
	PROPOSED A.C. PAVEMENT (3" A.C. (3/4 INCH) OVER 6" A.B.C. OVER 8" COMPACTED SUBGRADE
	PROPOSED 2' MINIMUM SAWCUT
	REMOVE 8" OF SAND. RETURN TO OWNER.
	REMOVE 12" OF SAND. RETURN TO OWNER.
	6" THICK 4000 PSI CONCRETE OVER 4" ABC OVER 10" COMPACTED SUBGRADE

**LEGEND**

	EXISTING BACK OF CURB ELEVATION
	EXISTING GUTTER ELEVATION
	EXISTING SIDEWALK ELEVATION
	EXISTING PAVEMENT ELEVATION
	EXISTING EDGE OF PAVEMENT
	EXISTING CONCRETE ELEVATION
	EXISTING DECOMPOSED GRANITE
	EXISTING GROUND ELEVATION
	TOP OF WALL ELEVATION
	EXISTING TOP OF BERM
	EXISTING TOE OF SLOPE
	EXISTING FLOW LINE ELEVATION
	EXISTING ARTIFICIAL GRASS ELEVATION
	EXISTING RUBBERIZE SURFACE ELEVATION
	EXISTING RAMP ELEVATION
	EXISTING DIAMOND PLATE ELEVATION
	EXISTING FINISH FLOOR ELEVATION
	EXISTING WEEP HOLE ELEVATION
	EXISTING WATER RISER
	EXISTING FIRE HYDRANT
	EXISTING WATER METER BOX
	EXISTING IRRIGATION VALVE
	EXISTING HOSE BIB
	EXISTING WATER VALVE
	EXISTING IRRIGATION DRIP BOX
	EXISTING SIGN
	EXISTING COLUMN
	EXISTING GAS RISER
	EXISTING GAS METER
	EXISTING ELECTRIC RISER
	EXISTING LIGHT POLE
	EXISTING STREETLIGHT POLE
	EXISTING ELECTRIC CABINET
	EXISTING ELECTRIC BOX
	EXISTING COMMUNICATION BOX
	EXISTING ELECTRIC KEY PAD
	EXISTING SANITARY SEWER MANHOLE
	EXISTING CABLE TELEVISION BOX
	EXISTING STORM DRAIN MANHOLE
	EXISTING PASTURE VALVE
	EXISTING BASKETBALL POLE
	EXISTING BACKFLOW PREVENTER
	EXISTING DOUBLE CHECK VALVE
	EXISTING ROOF DRAIN
	EXISTING SANITARY SEWER CLEANOUT
	EXISTING FLAG POLE
	EXISTING TREE

**DETAILS AND LEGEND SHEET**

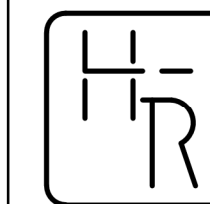
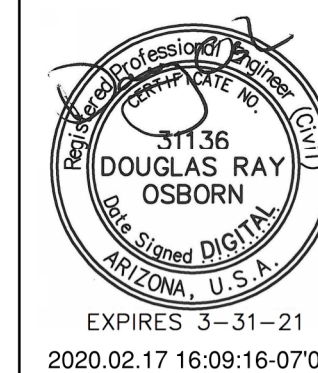
**SCOTTSDALE UNIFIED SCHOOL DISTRICT**

**BUS DROP AND PARKING LOT PLANS FOR NAVAJO ELEMENTARY SCHOOL**

DRAWING STATUS	SHEET	OF	
2ND CITY SUBMITTAL SET	2	9	C-2
DATE:	02-14-20		





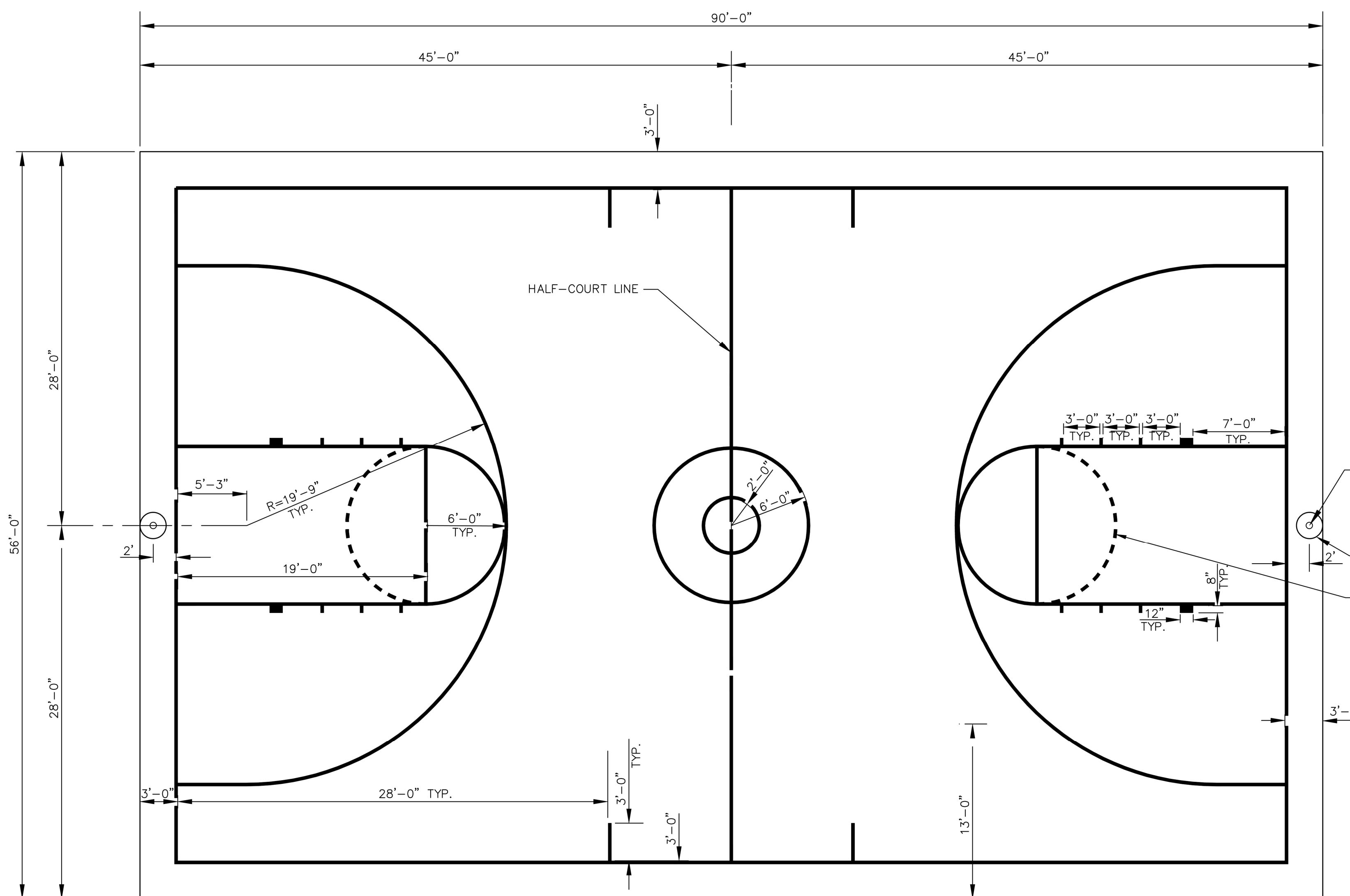


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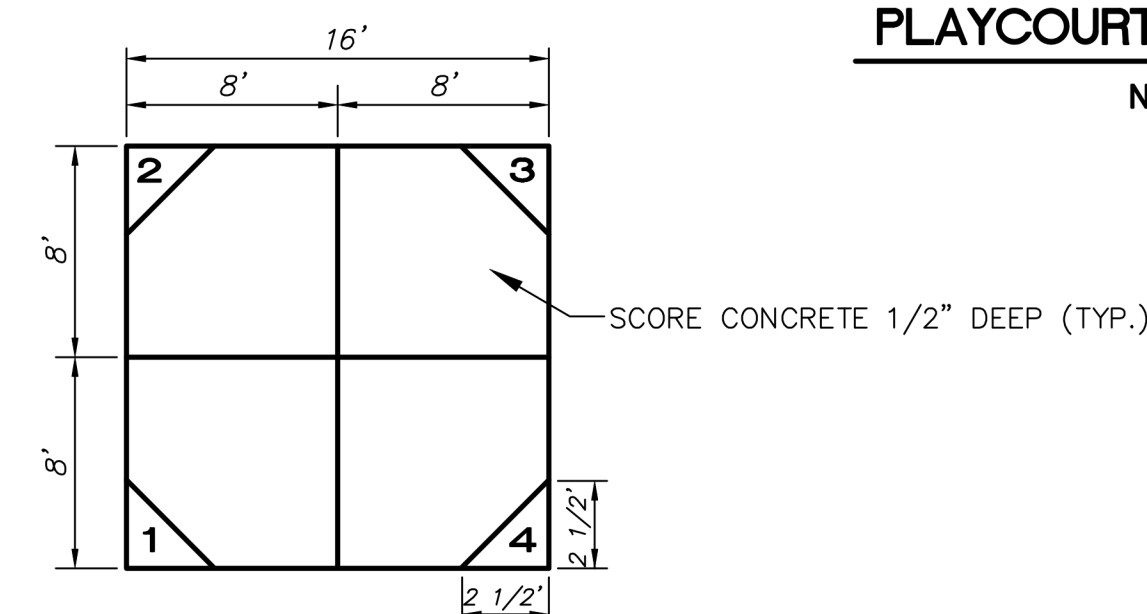
DES. **MAM** DRN. **ANM** CKD **DRO** JOB NO. **1904-10**

### PLAYCOURT NOTES:

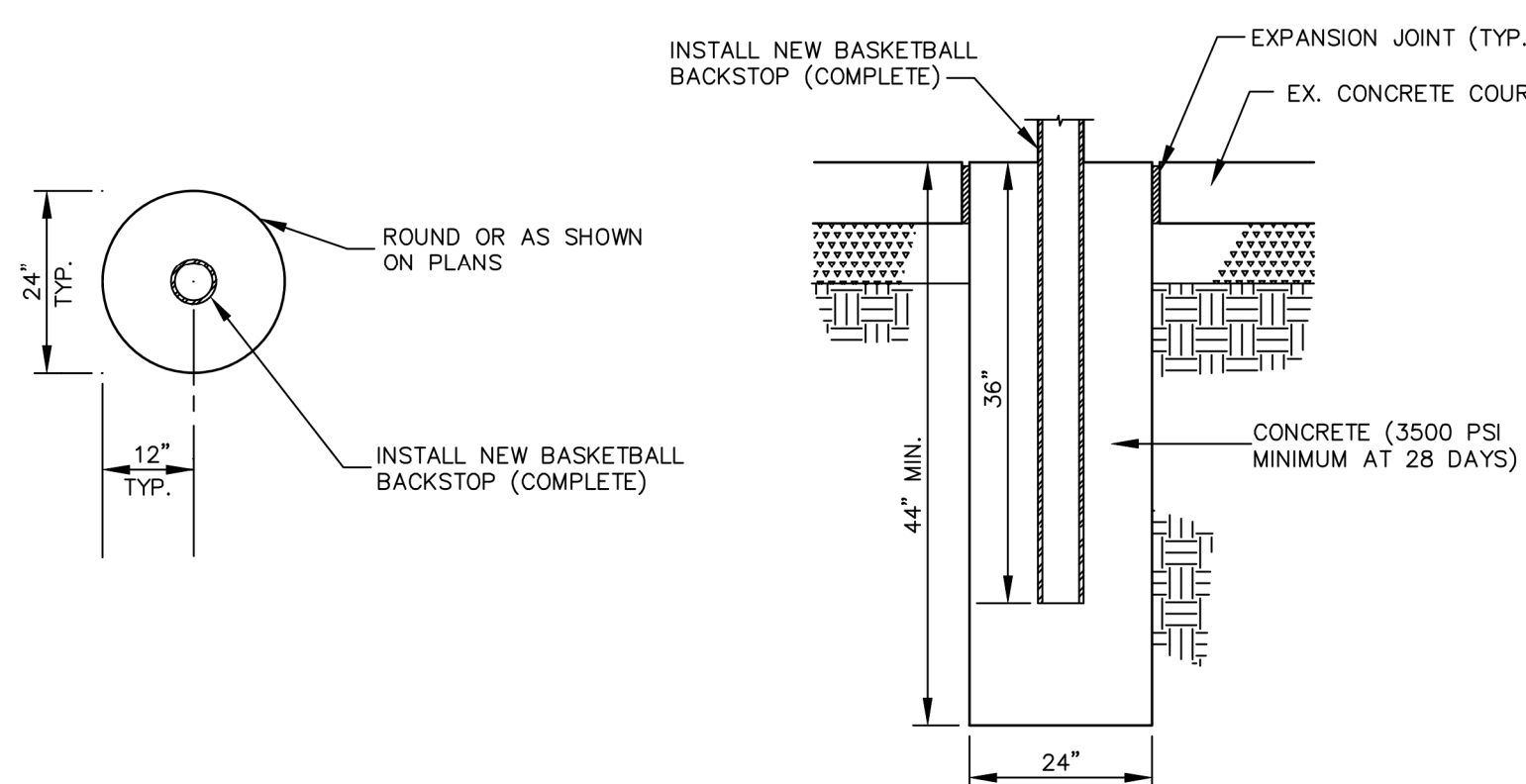
1. ALL PAINTED LINES SHALL BE TWO (2) INCHES IN WIDTH UNLESS OTHERWISE NOTED.
2. ALL BASKETBALL COURT LINES SHALL BE WHITE IN COLOR.
3. ALL STRIPES FOR LARGE CIRCLE (16' RADIUS) SHALL BE WHITE IN COLOR.
4. SINGLE BASKETBALL BACKSTOPS SHALL BE PATTERSON-WILLIAMS SINGLE POST HEAVY DUTY BASKETBALL BACKSTOP (MODEL NO. 1525, 6' OFFSET) WITH HEAVY DUTY CAST ALUMINUM FAN (MODEL NO. 22) AND DOUBLE RING GOAL WITH NYLON NET (MODEL NO. 39) OR APPROVED EQUAL.



**PLAYCOURT STRIPING LAYOUT**  
NOT TO SCALE



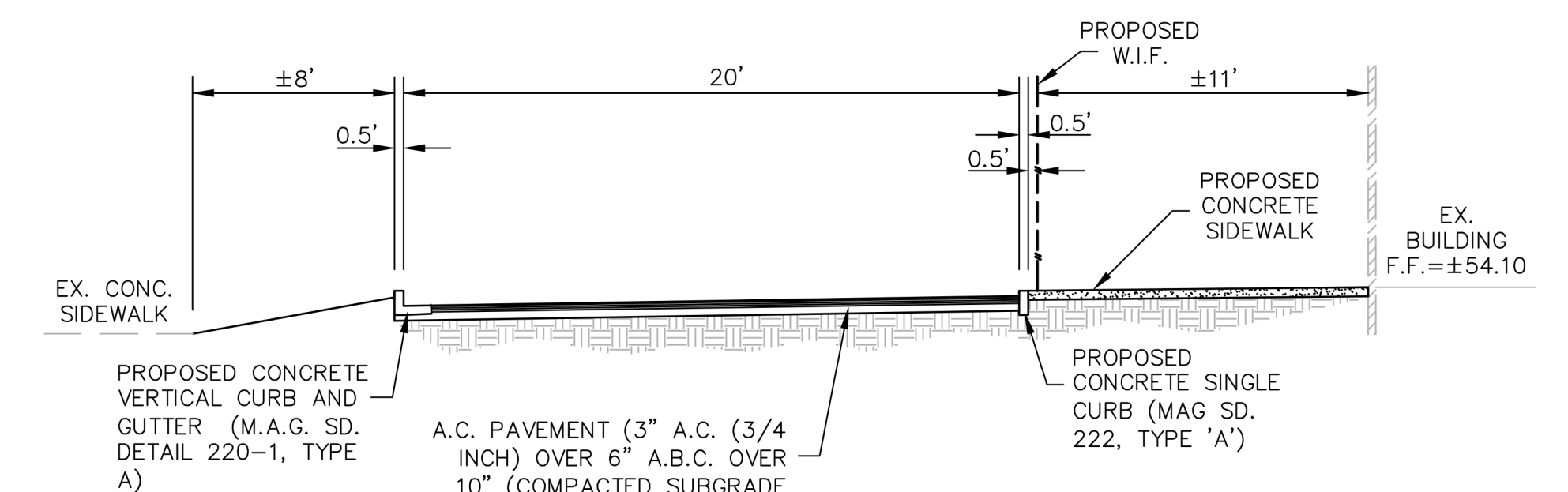
**FOUR-SQUARE STRIPING DETAIL**  
NOT TO SCALE



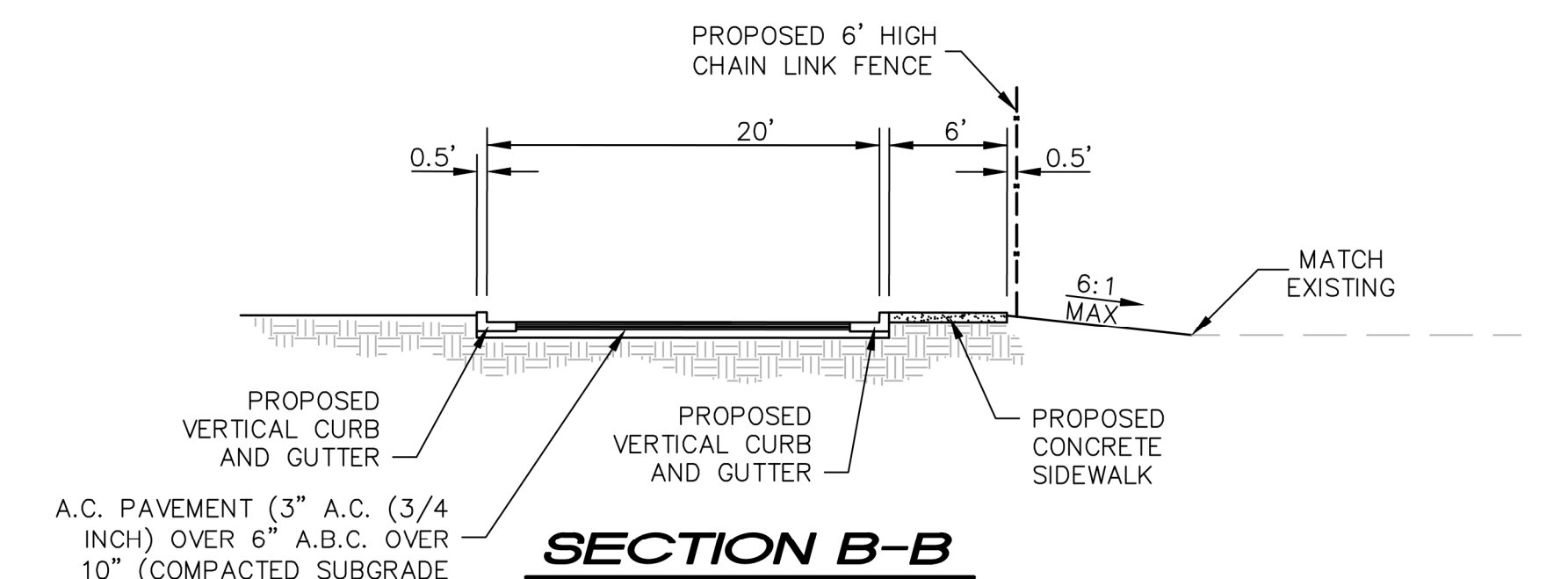
**PLAN**

**SECTION**

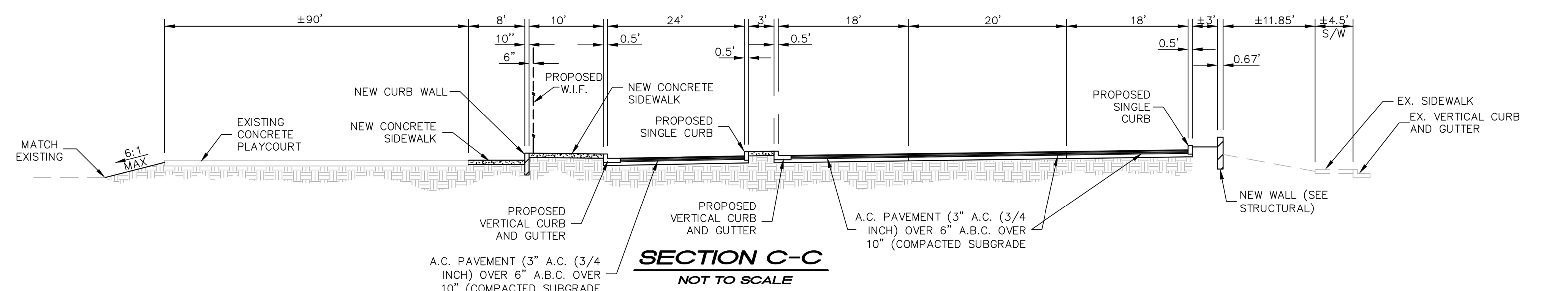
**BASKETBALL BACKSTOP FOOTING**  
NOT TO SCALE



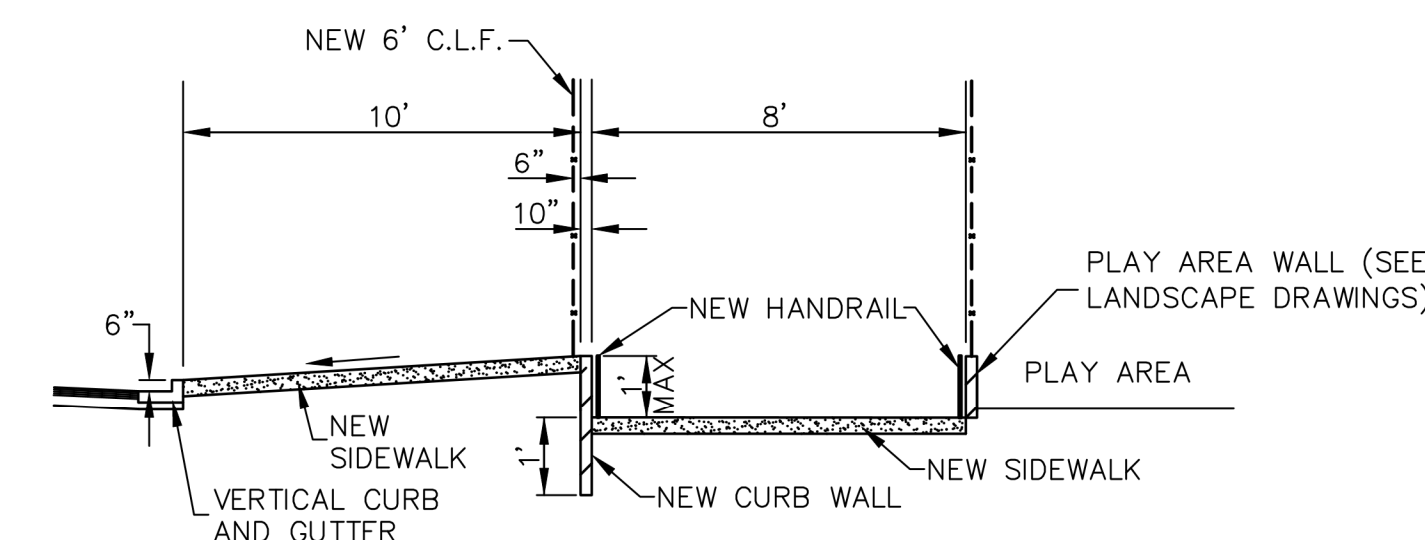
**SECTION A-A**  
NOT TO SCALE



**SECTION B-B**  
NOT TO SCALE



**SECTION C-C**  
NOT TO SCALE



**SECTION D-D**  
NOT TO SCALE

### PLAYCOURT DETAIL AND CROSS-SECTIONS SHEET

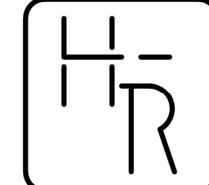
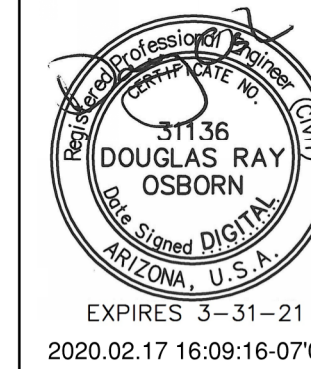
#### SCOTTSDALE UNIFIED SCHOOL DISTRICT

#### BUS DROP AND PARKING LOT PLANS FOR NAVAJO ELEMENTARY SCHOOL

DRAWING STATUS	SHEET	OF	
2ND CITY SUBMITTAL SET	3	9	C-3
DATE:	02-14-20		

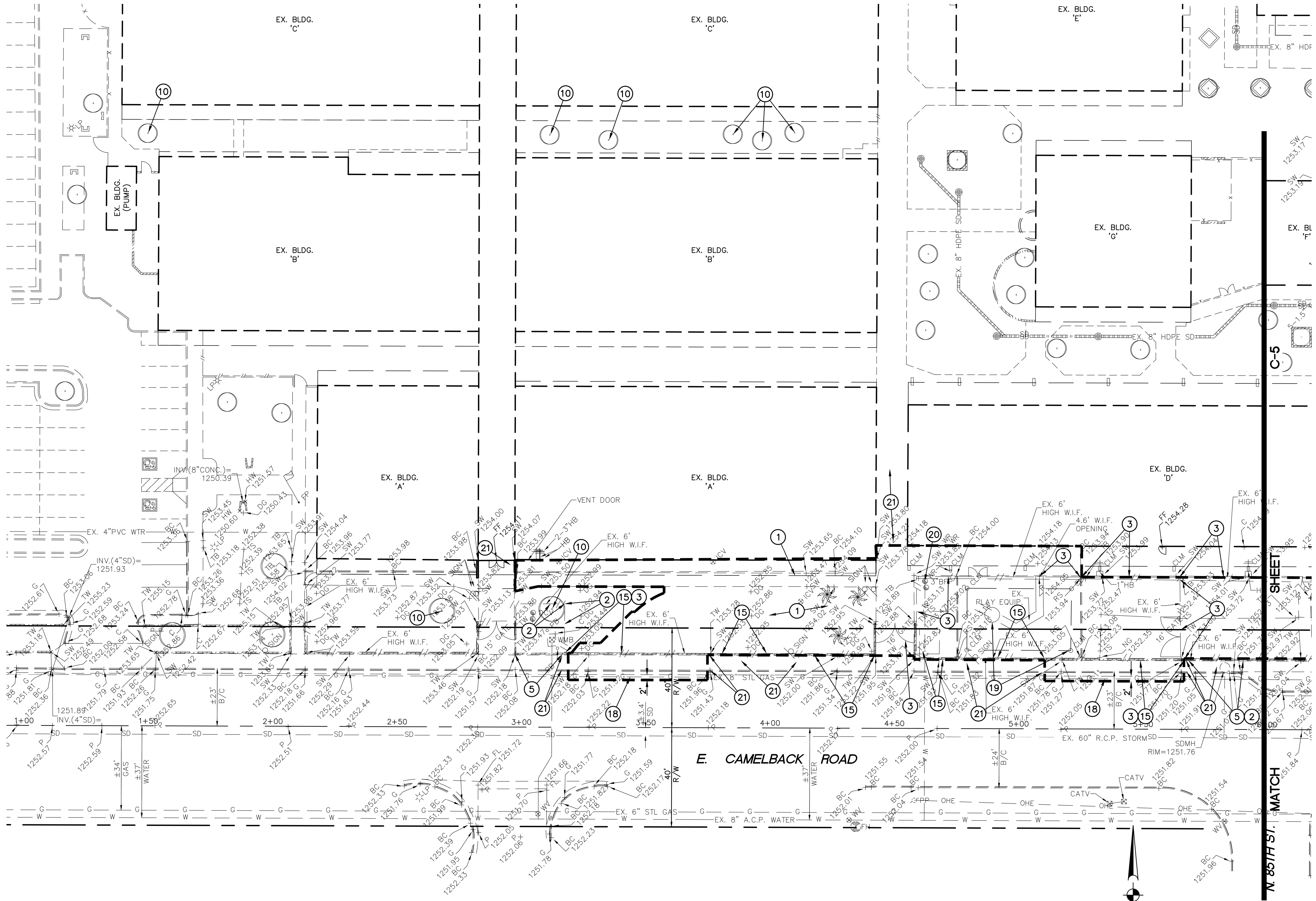






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DES. **MAM** DRN. **ANM** CKD **DRO** JOB NO. **1904-10**



**SPECIFIC DEMOLITION NOTES:**

1. WITHIN DEMOLITION AREA, REMOVE AND LEGALLY DISPOSE OF ALL BUILDINGS, CONCRETE, ASPHALT, ABC, WALLS, CURBS, TREES AND ANY IMPROVEMENTS EXCEPT ITEMS NOTED TO REMAIN AND BE PROTECTED OR REMOVED AND SALVAGED. EXISTING UTILITIES TO REMAIN AND BE PROTECTED UNLESS OTHERWISE NOTED.
2. EXISTING FENCE TO REMAIN AND BE PROTECTED.
3. REMOVE EXISTING FENCE/GATE.
4. EXISTING FIRE HYDRANT TO REMAIN AND BE PROTECTED.
5. EXISTING WALL TO REMAIN AND BE PROTECTED.
6. REMOVE AND SALVAGE EXISTING SIGN FOR REINSTALLATION. SEE GRADING AND DRAINAGE PLANS FOR REINSTALLATION DETAILS.
7. REMOVE AND SALVAGE EXISTING TRASH CAN.
8. EXISTING SIGN AND POST TO REMAIN AND BE PROTECTED.
9. EXISTING LIGHT POLE AND BASE TO BE REMOVED.
10. REMOVE EXISTING TREE.
11. EXISTING TREE TO REMAIN AND BE PROTECTED.
12. PROTECT EXISTING CONCRETE COURT. STRIPING TO BE OBLITERATED. REMOVE EXISTING BASKETBALL POST AND BACKBOARD. CUT POST FLUSH WITH CONCRETE. GRIND POST SMOOTH AND FILL WITH NON-SHRINK GROUT. SEE SHEET C-3 FOR PLAYCOURT DETAILS.
13. EXISTING BACKFLOW PREVENTER TO REMAIN AND BE PROTECTED.
14. REMOVE AND SALVAGE 12" OF SAND. RETURN TO OWNER AT TAVAN SCHOOL.
15. REMOVE EXISTING WALL.
16. EXISTING CONCRETE CURB AND/OR GUTTER TO REMAIN AND BE PROTECTED.
17. EXISTING CONCRETE RAMP TO REMAIN AND BE PROTECTED.
18. EXISTING GAS LINE TO REMAIN AND BE PROTECTED.
19. REMOVE AND SALVAGE EXISTING CANOPY STRUCTURE (SEE LANDSCAPE DRAWINGS).
20. EXISTING BACKFLOW PREVENTER TO BE REMOVED.
21. EXISTING CONCRETE SIDEWALK AND/OR CURB TO REMAIN AND BE PROTECTED.
22. SEE LANDSCAPE PLAN FOR SALVAGE AND DEMOLITION OF EXISTING PLAY EQUIPMENT AND SHADE STRUCTURES.
23. REMOVE EXISTING BASKETBALL GOAL POST AND FOOTING.

**GENERAL DEMOLITION NOTES:**

1. 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 ARCHITECT SHALL BE THE SOLE JUDGE OF ACCEPTABILITY OF REPAIR OR REPLACEMENT.
2. ALL NON-SALVAGE ITEMS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
3. SECURITY AND SAFETY ARE THE CONTRACTOR'S SOLE RESPONSIBILITY.
4. ALL UTILITIES ARE TO REMAIN IN PLACE (WATER, SEWER, TELEPHONE, STORM DRAIN, FLOOD IRRIGATION, GAS, ETC.) UNLESS NOTED OTHERWISE. PROTECT FROM DAMAGE.
5. SAWCUT SIDEWALKS AND CONCRETE AT NEAREST JOINT OR AS DIRECTED BY THE CITY INSPECTOR.
6. SAWCUT ASPHALTIC CONCRETE AT LIMITS OF DEMOLITION AS SHOWN ON PLANS OR AS DIRECTED BY THE CITY INSPECTOR.
7. SALVAGE ITEMS NOT BEING REINSTALLED SHALL BE DELIVERED TO THE DISTRICT MAINTENANCE YARD.
8. SALVAGE ALL TRASH CANS AND DELIVER TO OWNER.

TOPOGRAPHIC SURVEY AND DEMOLITION PLAN			
SCOTTSDALE UNIFIED SCHOOL DISTRICT			
BUS DROP AND PARKING LOT PLANS FOR NAVAJO ELEMENTARY SCHOOL			
DRAWING STATUS	SHEET	OF	C-4
2ND CITY SUBMITTAL SET	4	9	
DATE: 02-14-20			



COS #5566-19



GENERAL DEMOLITION NOTES:

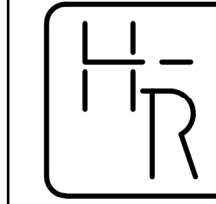
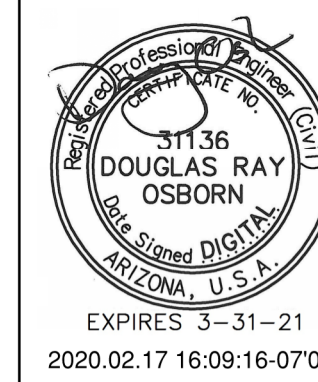
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- SALVAGE ITEMS NOT BEING REINSTALLED SHALL BE DELIVERED TO THE DISTRICT MAINTENANCE YARD.
- SALVAGE ALL TRASH CANS AND DELIVER TO OWNER.

SPECIFIC DEMOLITION NOTES:

- WITHIN DEMOLITION AREA, REMOVE AND LEGALLY DISPOSE OF ALL BUILDINGS, CONCRETE, ASPHALT, ABC, WALLS, CURBS, TREES AND ANY IMPROVEMENTS EXCEPT ITEMS NOTED TO REMAIN AND BE PROTECTED OR REMOVED AND SALVAGED. EXISTING UTILITIES TO REMAIN AND BE PROTECTED UNLESS OTHERWISE NOTED.
- EXISTING FENCE TO REMAIN AND BE PROTECTED.
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- REMOVE AND SALVAGE EXISTING SIGN FOR REINSTALLATION. SEE GRADING AND DRAINAGE PLANS FOR REINSTALLATION DETAILS.
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- EXISTING LIGHT POLE AND BASE TO BE REMOVED.
- REMOVE EXISTING TREE.
- EXISTING TREE TO REMAIN AND BE PROTECTED.

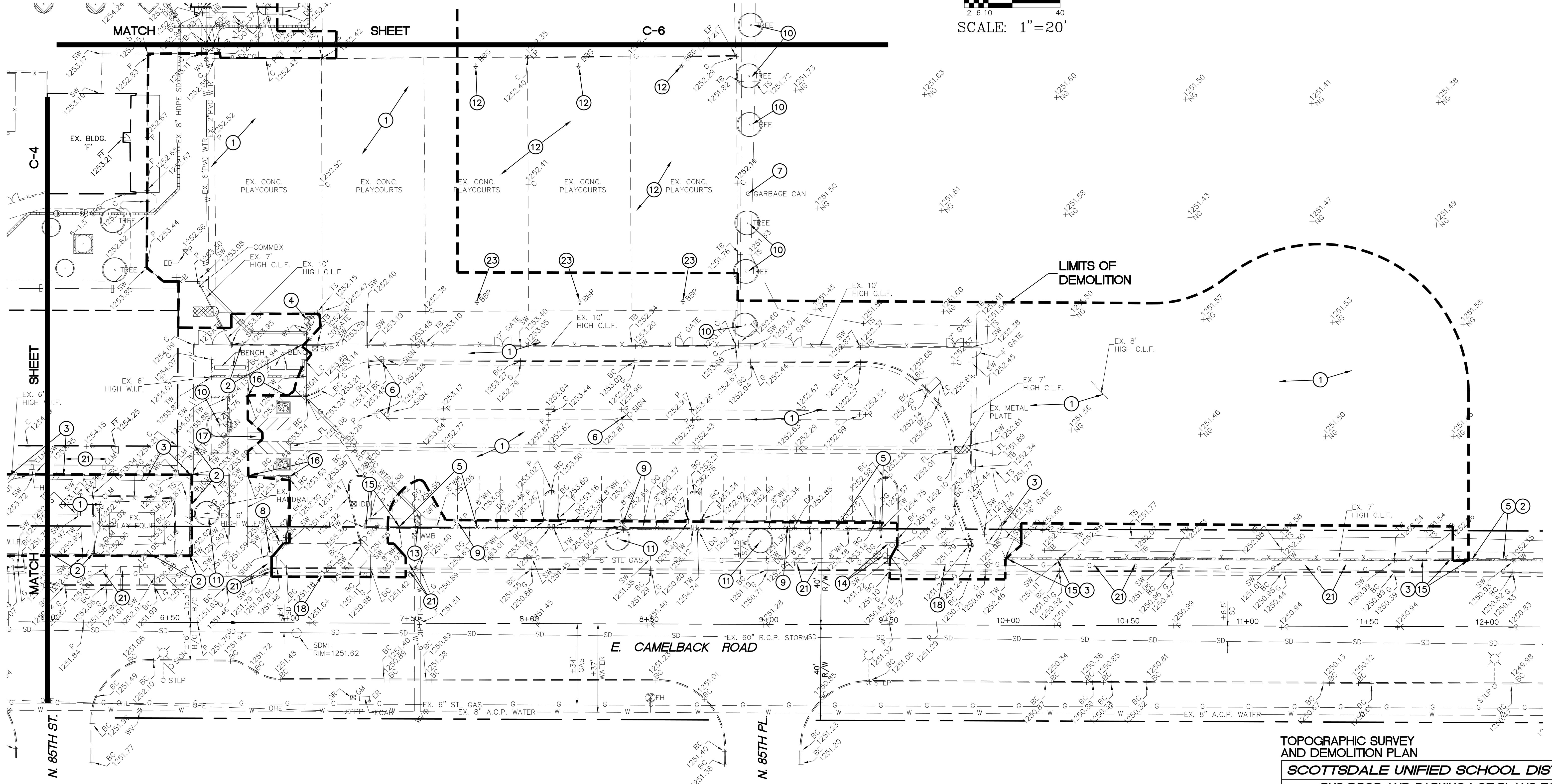
- PROTECT EXISTING CONCRETE COURT. STRIPING TO BE OBLITERATED. REMOVE EXISTING BASKETBALL POST AND BACKBOARD. CUT POST FLUSH WITH CONCRETE. GRIND POST SMOOTH AND FILL WITH NON-SHRINK GROUT. SEE SHEET C-3 FOR PLAYCOURT DETAILS.
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- EXISTING CONCRETE RAMP TO REMAIN AND BE PROTECTED.
- EXISTING GAS LINE TO REMAIN AND BE PROTECTED.
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- SEE LANDSCAPE PLAN FOR SALVAGE AND DEMOLITION OF EXISTING PLAY EQUIPMENT AND SHADE STRUCTURES.

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

DES. **MAM** DRN. **ANM** CKD **DRO** JOB NO. **1904-10**



TOPOGRAPHIC SURVEY  
AND DEMOLITION PLAN

SCOTTSDALE UNIFIED SCHOOL DISTRICT

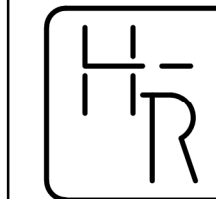
BUS DROP AND PARKING LOT PLANS FOR  
NAVAJO ELEMENTARY SCHOOL

DRAWING STATUS	SHEET	OF	
2ND CITY SUBMITTAL SET	5	9	C-5
DATE:	02-14-20		



COS #5566-19





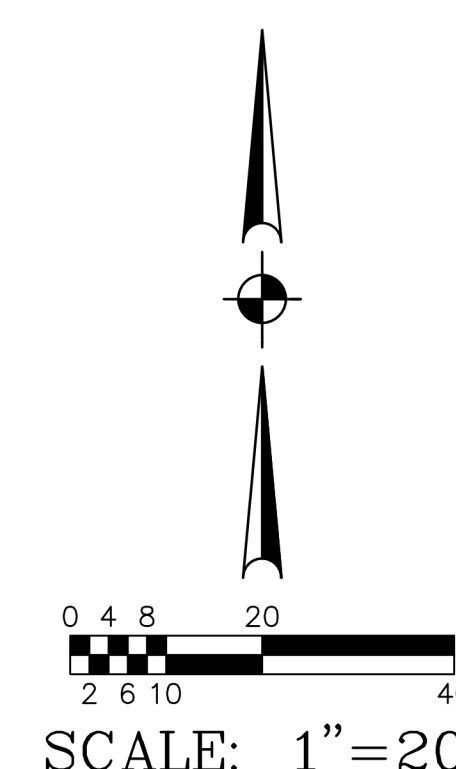
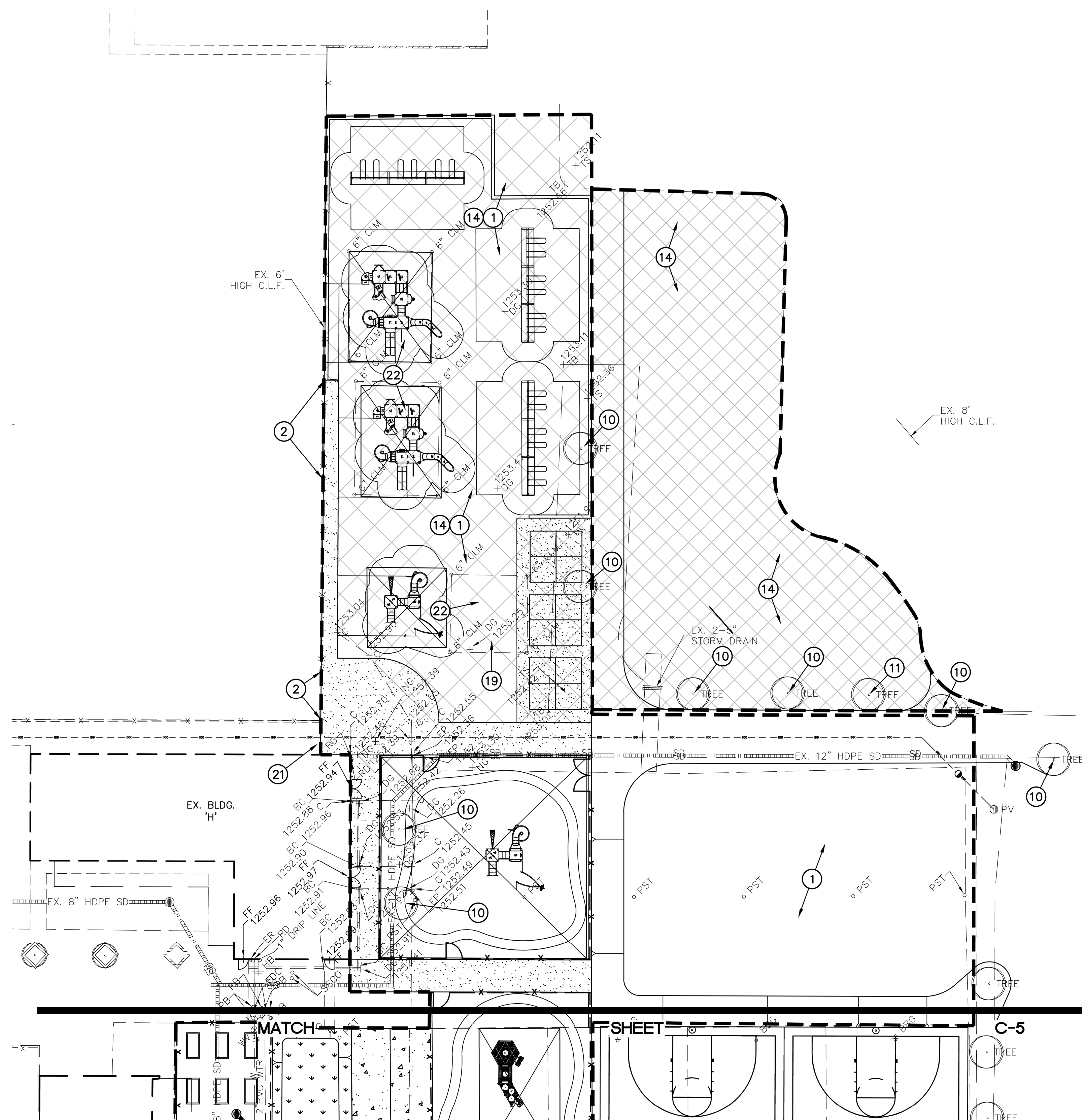
HESS - ROUNTREE, INC  
CONSULTING ENGINEERS & LAND SURVEYORS  
9831 SOUTH 51ST STREET, SUITE C110  
PHOENIX, ARIZONA 85044 (480)496-0244

DES. <b>MAM</b>	DRN. <b>ANM</b>	CKD. <b>DRO</b>	JOB NO. <b>1904-10</b>
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1. 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 ARCHITECT SHALL BE THE SOLE JUDGE OF ACCEPTABILITY OF REPAIR OR REPLACEMENT.
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- 2 EXISTING FENCE TO REMAIN AND BE PROTECTED.
- 3 REMOVE EXISTING FENCE/GATE.
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- 5 EXISTING WALL TO REMAIN AND BE PROTECTED.
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- 8 EXISTING SIGN AND POST TO REMAIN AND BE PROTECTED.
- 9 EXISTING LIGHT POLE AND BASE TO BE REMOVED.
- 10 REMOVE EXISTING TREE.
- 11 EXISTING TREE TO REMAIN AND BE PROTECTED.
- 12 PROTECT EXISTING CONCRETE COURT. STRIPING TO BE OBLITERATED. REMOVE EXISTING BASKETBALL POST AND BACKBOARD. CUT POST FLUSH WITH CONCRETE. GRIND POST SMOOTH AND FILL WITH NON-SHRINK GROUT. SEE SHEET C-3 FOR PLAYCOURT DETAILS.
- 13 EXISTING BACKFLOW PREVENTER TO REMAIN AND BE PROTECTED.
- 14 REMOVE AND SALVAGE 12" OF SAND. RETURN TO OWNER AT TAVAN SCHOOL.
- 15 REMOVE EXISTING WALL.
- 16 EXISTING CONCRETE CURB AND/OR GUTTER TO REMAIN AND BE PROTECTED.
- 17 EXISTING CONCRETE RAMP TO REMAIN AND BE PROTECTED.
- 18 EXISTING GAS LINE TO REMAIN AND BE PROTECTED.
- 19 REMOVE AND SALVAGE EXISTING CANOPY STRUCTURE (SEE LANDSCAPE DRAWINGS).
- 20 EXISTING BACKFLOW PREVENTER TO BE REMOVED.
- 21 EXISTING CONCRETE SIDEWALK AND/OR CURB TO REMAIN AND BE PROTECTED.
- 22 SEE LANDSCAPE PLAN FOR SALVAGE AND DEMOLITION OF EXISTING PLAY EQUIPMENT AND SHADE STRUCTURES.
- 23 REMOVE EXISTING BASKETBALL GOAL POST AND FOOTING.



## TOPOGRAPHIC SURVEY AND DEMOLITION PLAN

**SCOTTSDALE UNIFIED SCHOOL DISTRICT**

**BUS DROP AND PARKING LOT PLANS FOR  
NAVAJO ELEMENTARY SCHOOL**

DRAWING STATUS	SHEET	OF
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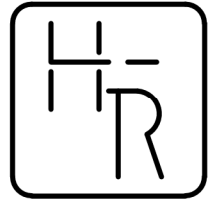
2ND CITY SUBMITTAL SET		

DATE: 02-14-20	6	9
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C-6

**COS #5566-19**





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

DES. **MAM** DRN. **ANM** CKD **DRO** JOB NO. **1904-10**

**GRADING AND DRAINAGE  
CONSTRUCTION NOTES:**

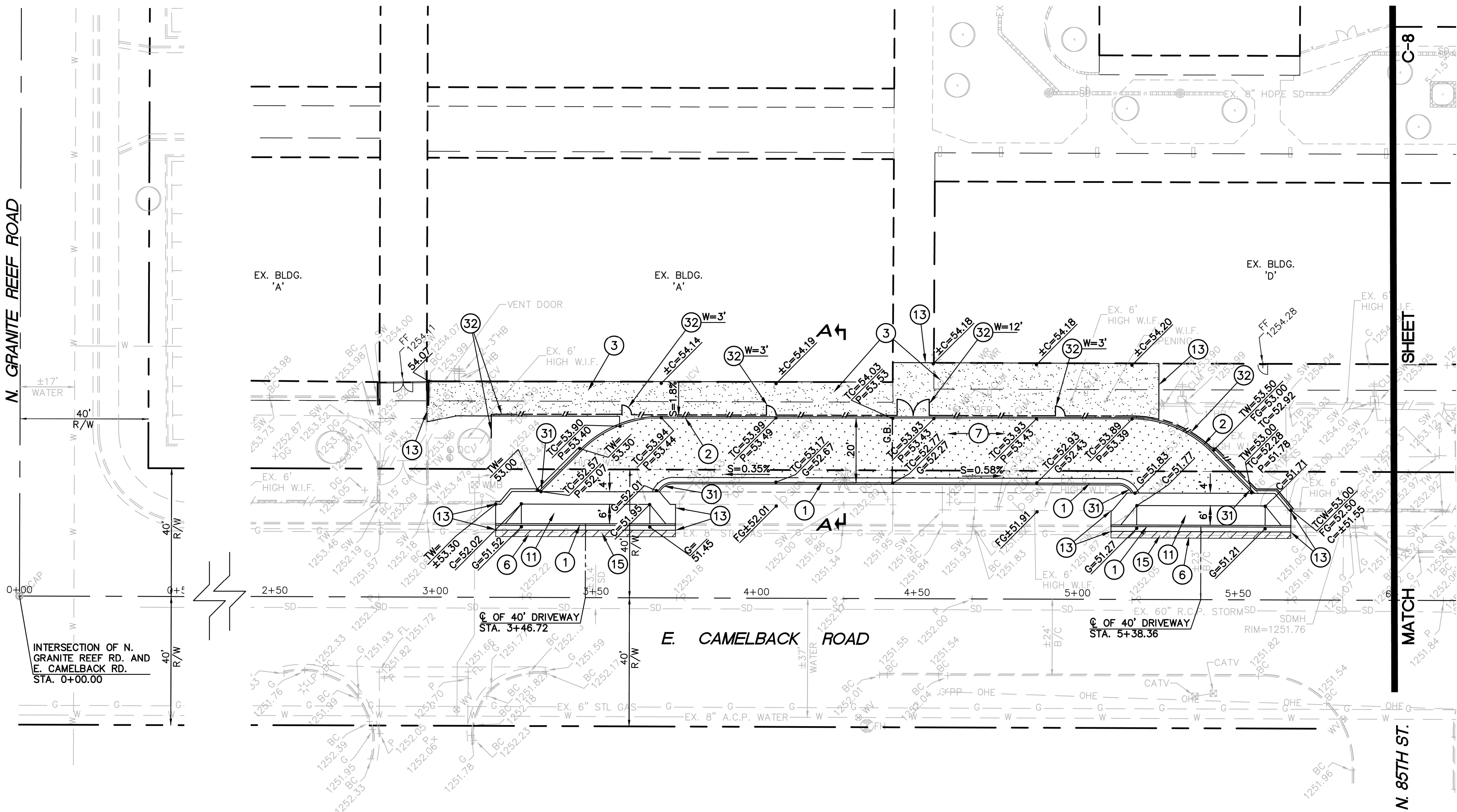
- 1 INSTALL CONCRETE VERTICAL CURB AND GUTTER (MAG STANDARD DETAIL NO. 220-1, TYPE A).
- 2 INSTALL CONCRETE SINGLE CURB (MAG STANDARD DETAIL NO. 222, TYPE 'A').
- 3 INSTALL CONCRETE SIDEWALK (MAG STANDARD DETAIL NO. 230).
- 4 INSTALL CHAIN LINK FENCE AND GATE (MAG STANDARD DETAIL NO. 160, FENCE HEIGHT AND GATE WIDTH TO BE MODIFIED PER PLANS).
- 5 INSTALL SIDEWALK RAMP (SEE DETAIL ON SHEET C-2).
- 6 SAWCUT, REMOVE AND REPLACE 2' MINIMUM OF EXISTING A.C. PAVEMENT IN KIND.
- 7 INSTALL A.C. PAVEMENT (3" A.C. (3/4 INCH) OVER 6" A.B.C. OVER 10" COMPACTED SUBGRADE).
- 8 INSTALL DRAIN THROUGH LANDSCAPED AREA (SEE DETAIL ON SHEET C-2).
- 9 PAINT STRIPE PARKING LOTS TO THE ALIGNMENTS INDICATED, INCLUDING ALL DIRECTIONAL ARROWS, HANDICAP SYMBOLS, CROSSWALKS, ETC.).
- 10 INSTALL 6" THICK 4000 P.S.I CONCRETE OVER 4" A.B.C., OVER 10" COMPACTED SUBGRADE.
- 11 INSTALL CONCRETE DRIVEWAY ENTRANCE (CITY OF SCOTTSDALE STANDARD DETAIL NO. 2250).
- 12 CONSTRUCT WIDE CONCRETE SCUPPER (MAG STANDARD DETAIL NO. 206-1, -2, AND -3, WITH SPLASHPAD, SCUPPER WIDTH TO BE 7").
- 13 MATCH EXISTING CONCRETE SIDEWALK AND/OR CONCRETE CURB LOCATION AND ELEVATION.
- 14 INSTALL DRIVEWAY ENTRANCE (MAG STANDARD DETAIL NO. 250-2, MODIFIED PER PLAN).
- 15 FIELD VERIFY LOCATION AND ELEVATION OF EXISTING GAS OR WATER LINES PRIOR TO THE START OF CONSTRUCTION. PROTECT FROM DAMAGE.
- 16 NEW BASKETBALL POSTS AND STRIPING (SEE SHEET C-3 FOR DETAILS).
- 17 INSTALL CONCRETE SIDEWALK TURNDOWN (SEE DETAIL ON SHEET C-2).
- 18 INSTALL PLAY AREA WALL (SEE LANDSCAPE PLANS).
- 19 GRADE FROM 1" BELOW TOP OF SIDEWALK TO MATCH EXISTING GRADE AT A 6:1 MAX. SLOPE.
- 20 ADJUST DRYWELL RIM TO GRADE INDICATED (MAG STANDARD DETAIL NO. 422).
- 21 REMOVE, SALVAGE AND REINSTALL EXISTING SIGN WITH NEW POST AND BASE PER MAG STANDARD DETAIL NO. 131, TYPE 'C'.
- 22 INSTALL SITE WALL (SEE STRUCTURAL PLANS).
- 23 INSTALL NEW FOUR SQUARE (SEE SHEET C-2).
- 24 CONNECT TO EXISTING BUILDING DOWNSPOUT WITH A NEW SQUARE TO ROUND ADAPTER.
- 25 INSTALL NEW 8" H.D.P.E. STORM DRAIN PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.
- 26 INSTALL AREA DRAIN (SEE DETAIL ON SHEET C-2).
- 27 INSTALL DUAL CHAMBER DRYWELL (SEE DETAIL ON SHEET C-2).
- 28 INSTALL PASTURE VALVE (SEE DETAIL ON SHEET C-2).
- 29 ADJUST EXISTING WATER VALVE TO FINISH GRADE (MAG STANDARD DETAIL NO. 270).
- 30 INSTALL DEADBOLT LOCK TO CHAIN LINK FENCE (SEE LANDSCAPE DRAWINGS).
- 31 CURB TERMINATION (MAG STANDARD DETAIL NO. 222). MODIFIED FOR VERTICAL CURB AND GUTTER WHERE SHOWN.
- 32 INSTALL WROUGHT IRON FENCE/GATE (SEE DETAIL ON SHEET C-2).
- 33 CONSTRUCT CURB WALL (SEE DETAIL ON SHEET C-2).
- 34 INSTALL HANDRAIL (SEE DETAIL ON SHEET C-2).
- 35 REMOVE AND RELOCATE BACKSTOP.
- 36 NEW 1.5" WATER METER TO BE INSTALLED BY CITY AFTER ALL APPROPRIATE FEES HAVE BEEN PAID.
- 37 INSTALL 1.5" REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY. INSTALL GUARDSHACK HS-2 ENCLOSURE OR APPROVED EQUAL ON 4" CONCRETE SLAB.

**GRADING AND DRAINAGE PLANS**

**SCOTTSDALE UNIFIED SCHOOL DISTRICT**

**BUS DROP AND PARKING LOT PLANS FOR  
NAVAJO ELEMENTARY SCHOOL**

DRAWING STATUS	SHEET	OF	
2ND CITY SUBMITTAL SET	7	9	C-7
DATE:	02-14-20		



COS #5566-19

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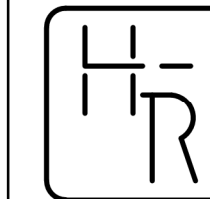
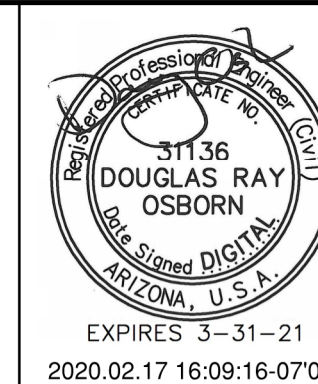
GRADING AND DRAINAGE  
CONSTRUCTION NOTES:

1. INSTALL CONCRETE VERTICAL CURB AND GUTTER (MAG STANDARD DETAIL NO. 220-1, TYPE A).
2. INSTALL CONCRETE SINGLE CURB (MAG STANDARD DETAIL NO. 222, TYPE 'A').
3. INSTALL CONCRETE SIDEWALK (MAG STANDARD DETAIL NO. 230).
4. INSTALL CHAIN LINK FENCE AND GATE (MAG STANDARD DETAIL NO. 160, FENCE HEIGHT AND GATE WIDTH TO BE MODIFIED PER PLANS).
5. INSTALL SIDEWALK RAMP (SEE DETAIL ON SHEET C-2).
6. SAWCUT, REMOVE AND REPLACE 2' MINIMUM OF EXISTING A.C. PAVEMENT IN KIND.
7. INSTALL A.C. PAVEMENT (3" A.C. (3/4 INCH) OVER 6" A.B.C. OVER 10" COMPACTED SUBGRADE).
8. INSTALL DRAIN THROUGH LANDSCAPED AREA (SEE DETAIL ON SHEET C-2).

9. PAINT STRIPE PARKING LOTS TO THE ALIGNMENTS INDICATED, INCLUDING ALL DIRECTIONAL ARROWS, HANDICAP SYMBOLS, CROSSWALKS, ETC.).
10. INSTALL 6" THICK 4000 P.S.I. CONCRETE OVER 4" A.B.C., OVER 10" COMPACTED SUBGRADE.
11. INSTALL CONCRETE DRIVEWAY ENTRANCE (CITY OF SCOTTSDALE STANDARD DETAIL NO. 2250).
12. CONSTRUCT WIDE CONCRETE SCUPPER (MAG STANDARD DETAIL NO. 206-1, -2, AND -3, WITH SPLASHPAD, SCUPPER WIDTH TO BE 7').
13. MATCH EXISTING CONCRETE SIDEWALK AND/OR CONCRETE CURB LOCATION AND ELEVATION.
14. INSTALL DRIVEWAY ENTRANCE (MAG STANDARD DETAIL NO. 250-2, MODIFIED PER PLAN).
15. FIELD VERIFY LOCATION AND ELEVATION OF EXISTING GAS OR WATER LINES PRIOR TO THE START OF CONSTRUCTION. PROTECT FROM DAMAGE.
16. NEW BASKETBALL POSTS AND STRIPING (SEE SHEET C-3 FOR DETAILS).
17. INSTALL CONCRETE SIDEWALK TURNDOWN (SEE DETAIL ON SHEET C-2).

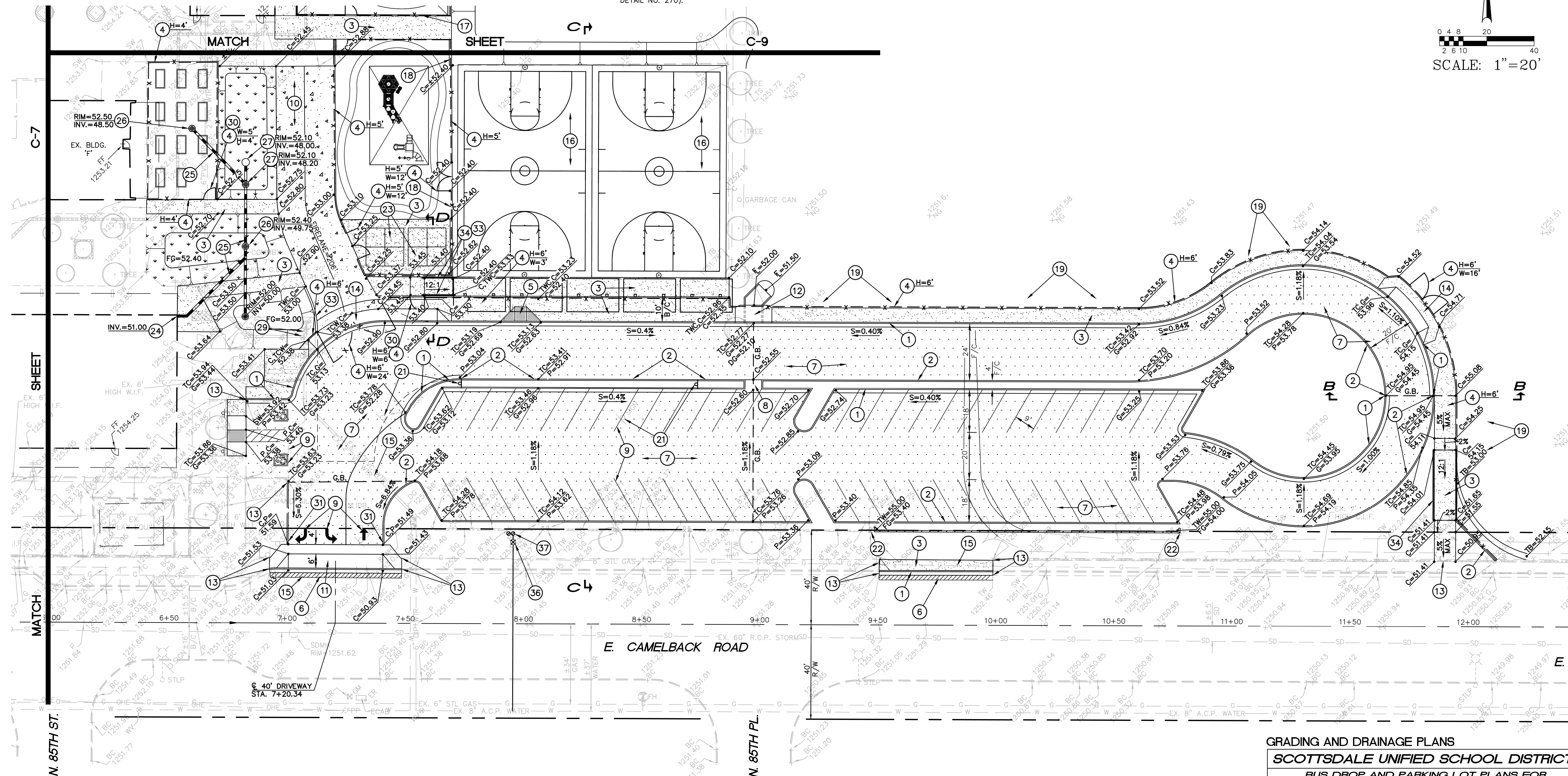
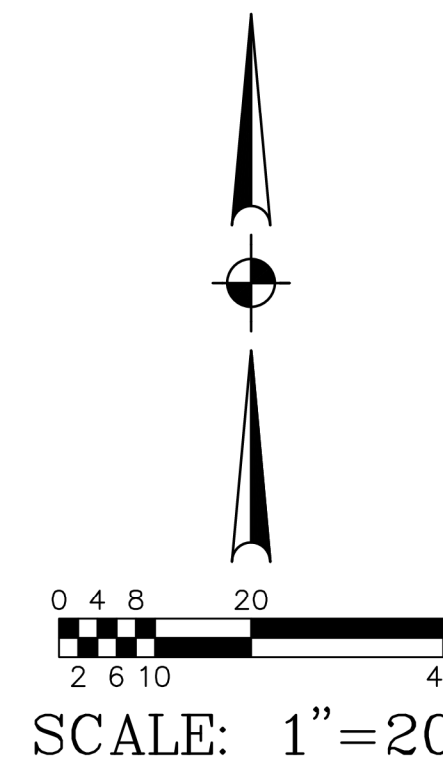
18. INSTALL PLAY AREA WALL (SEE LANDSCAPE PLANS).
19. GRADE FROM 1" BELOW TOP OF SIDEWALK TO MATCH EXISTING GRADE AT A 6:1 MAX. SLOPE.
20. ADJUST DRYWELL RIM TO GRADE INDICATED (MAG STANDARD DETAIL NO. 422).
21. REMOVE, SALVAGE AND REINSTALL EXISTING SIGN WITH NEW POST AND BASE PER MAG STANDARD DETAIL NO. 131, TYPE 'C'.
22. INSTALL SITE WALL (SEE STRUCTURAL PLANS).
23. INSTALL NEW FOUR SQUARE (SEE SHEET C-2).
24. CONNECT TO EXISTING BUILDING DOWNSPOUT WITH A NEW SQUARE TO ROUND ADAPTER.
25. INSTALL NEW 8" H.D.P.E. STORM DRAIN PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.
26. INSTALL AREA DRAIN (SEE DETAIL ON SHEET C-2).
27. INSTALL DUAL CHAMBER DRYWELL (SEE DETAIL ON SHEET C-2).
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29. ADJUST EXISTING WATER VALVE TO FINISH GRADE (MAG STANDARD DETAIL NO. 270).

30. INSTALL DEADBOLT LOCK TO CHAIN LINK FENCE (SEE LANDSCAPE DRAWINGS).
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DES. **MAM** DRN. **ANM** CKD **DRO** JOB NO. **1904-10**



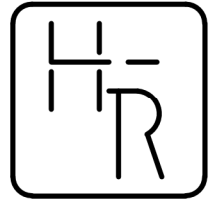
GRADING AND DRAINAGE PLANS  
**SCOTTSDALE UNIFIED SCHOOL DISTRICT**  
BUS DROP AND PARKING LOT PLANS FOR  
NAVAJO ELEMENTARY SCHOOL

DRAWING STATUS	SHEET	OF	
2ND CITY SUBMITTAL SET	8	9	C-8
DATE:	02-14-20		



COS #5566-19



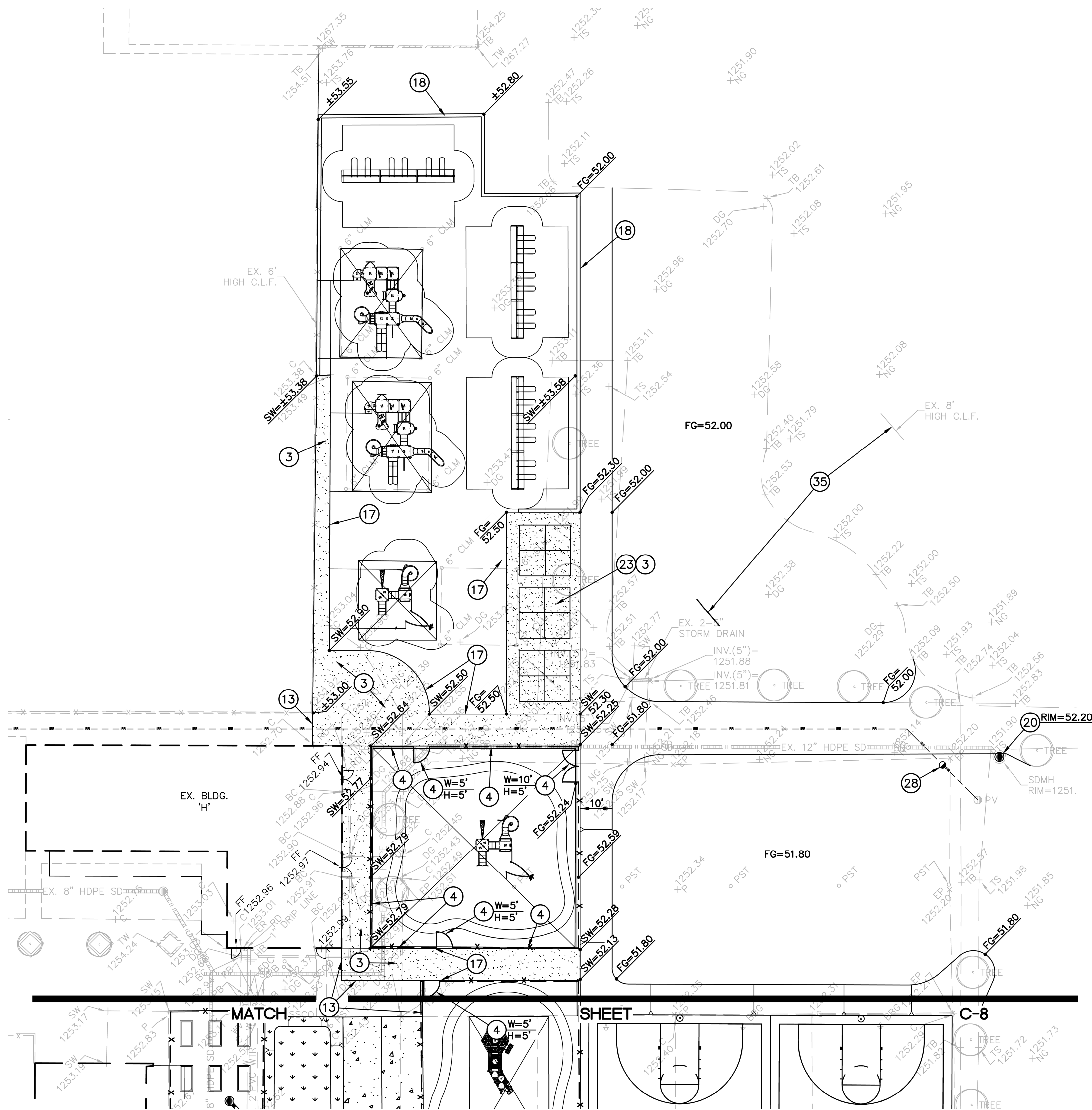
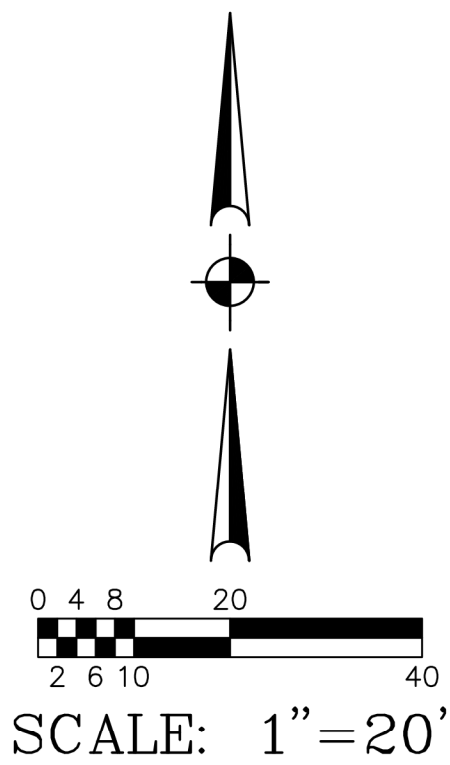


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**GRADING AND DRAINAGE  
CONSTRUCTION NOTES:**

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2. INSTALL CONCRETE SINGLE CURB (MAG STANDARD DETAIL NO. 222, TYPE 'A').
3. INSTALL CONCRETE SIDEWALK (MAG STANDARD DETAIL NO. 230).
4. INSTALL CHAIN LINK FENCE AND GATE (MAG STANDARD DETAIL NO. 160, FENCE HEIGHT AND GATE WIDTH TO BE MODIFIED PER PLANS).
5. INSTALL SIDEWALK RAMP (SEE DETAIL ON SHEET C-2).
6. SAWCUT, REMOVE AND REPLACE 2' MINIMUM OF EXISTING A.C. PAVEMENT IN KIND.
7. INSTALL A.C. PAVEMENT (3" A.C. (3/4 INCH) OVER 6" A.B.C. OVER 10" COMPACTED SUBGRADE).
8. INSTALL DRAIN THROUGH LANDSCAPED AREA (SEE DETAIL ON SHEET C-2).
9. PAINT STRIPE PARKING LOTS TO THE ALIGNMENTS INDICATED, INCLUDING ALL DIRECTIONAL ARROWS, HANDICAP SYMBOLS, CROSSWALKS, ETC.).
10. INSTALL 6" THICK 4000 P.S.I CONCRETE OVER 4" A.B.C., OVER 10" COMPACTED SUBGRADE.
11. INSTALL CONCRETE DRIVEWAY ENTRANCE (CITY OF SCOTTSDALE STANDARD DETAIL NO. 2250).
12. CONSTRUCT WIDE CONCRETE SCUPPER (MAG STANDARD DETAIL NO. 206-1, -2, AND -3, WITH SPLASHPAD, SCUPPER WIDTH TO BE 7").
13. MATCH EXISTING CONCRETE SIDEWALK AND/OR CONCRETE CURB LOCATION AND ELEVATION.
14. INSTALL DRIVEWAY ENTRANCE (MAG STANDARD DETAIL NO. 250-2, MODIFIED PER PLAN).
15. FIELD VERIFY LOCATION AND ELEVATION OF EXISTING GAS OR WATER LINES PRIOR TO THE START OF CONSTRUCTION. PROTECT FROM DAMAGE.
16. NEW BASKETBALL POSTS AND STRIPING (SEE SHEET C-3 FOR DETAILS).
17. INSTALL CONCRETE SIDEWALK TURNDOWN (SEE DETAIL ON SHEET C-2).
18. INSTALL PLAY AREA WALL (SEE LANDSCAPE PLANS).
19. GRADE FROM 1" BELOW TOP OF SIDEWALK TO MATCH EXISTING GRADE AT A 6:1 MAX. SLOPE.
20. ADJUST DRYWELL RIM TO GRADE INDICATED (MAG STANDARD DETAIL NO. 422).
21. REMOVE, SALVAGE AND REINSTALL EXISTING SIGN WITH NEW POST AND BASE PER MAG STANDARD DETAIL NO. 131, TYPE 'C'.
22. INSTALL SITE WALL (SEE STRUCTURAL PLANS).
23. INSTALL NEW FOUR SQUARE (SEE SHEET C-2).
24. CONNECT TO EXISTING BUILDING DOWNSPOUT WITH A NEW SQUARE TO ROUND ADAPTER.
25. INSTALL NEW 8" H.D.P.E. STORM DRAIN PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.
26. INSTALL AREA DRAIN (SEE DETAIL ON SHEET C-2).
27. INSTALL DUAL CHAMBER DRYWELL (SEE DETAIL ON SHEET C-2).
28. INSTALL PASTURE VALVE (SEE DETAIL ON SHEET C-2).
29. ADJUST EXISTING WATER VALVE TO FINISH GRADE (MAG STANDARD DETAIL NO. 270).
30. INSTALL DEADBOLT LOCK TO CHAIN LINK FENCE (SEE LANDSCAPE DRAWINGS).
31. CURB TERMINATION (MAG STANDARD DETAIL NO. 222). MODIFIED FOR VERTICAL CURB AND GUTTER WHERE SHOWN.
32. INSTALL WROUGHT IRON FENCE/GATE (SEE DETAIL ON SHEET C-2).
33. CONSTRUCT CURB WALL (SEE DETAIL ON SHEET C-2).
34. INSTALL HANDRAIL (SEE DETAIL ON SHEET C-2).
35. REMOVE AND RELOCATE BACKSTOP.
36. NEW 1.5" WATER METER TO BE INSTALLED BY CITY AFTER ALL APPROPRIATE FEES HAVE BEEN PAID.
37. INSTALL 1.5" REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY. INSTALL GUARDSHACK HS-2 ENCLOSURE OR APPROVED EQUAL ON 4" CONCRETE SLAB.



**GRADING AND DRAINAGE PLANS**

**SCOTTSDALE UNIFIED SCHOOL DISTRICT**

**BUS DROP AND PARKING LOT PLANS FOR  
NAVAJO ELEMENTARY SCHOOL**

DRAWING STATUS	SHEET	OF	
2ND CITY SUBMITTAL SET			
	9	9	C-9
DATE:	02-14-20		

COS #5566-19

190410024.DWG



1) PROJECT DESCRIPTION

- A. PROPOSED CONSTRUCTION ACTIVITY:  
THIS PROJECT INCLUDES CONSTRUCTION OF TWO NEW DROP-OFFS, SIDEWALK, SINGLE CURB, CURB AND GUTTER AND STORM DRAIN SYSTEM. THE TOTAL SITE AREA IS APPROXIMATELY 9.58 ACRES. SOIL DISTURBING ACTIVITIES WILL INCLUDE CLEARING, GRADING, TRENCHING AND BACKFILLING FOR UTILITIES, CONCRETE INSTALLATION AND LANDSCAPING.
- B. SEQUENCE OF CONSTRUCTION ACTIVITY:  
THE SEQUENCE OF EVENTS IS ANTICIPATED TO BE AS FOLLOWS:
- 1) CLEARING AND GRUBBING  
2) ROUGH GRADING  
3) INSTALLATION OF UTILITIES  
4) FINAL GRADING  
5) CONCRETE AND IMPROVEMENTS  
6) LANDSCAPING IMPROVEMENTS
- C. AREA OF SOIL DISTURBANCE:  
SOIL: SANDY CLAY  
ERODABILITY: MODERATE  
IT IS ESTIMATED THAT THE TOTAL AREA OF SOIL DISTURBANCE IS APPROXIMATELY 2.5 ACRES.
- D. RUN-OFF COEFFICIENTS:  
THE ESTIMATED RUN-OFF COEFFICIENTS FOR THE PROJECT ARE AS FOLLOWS:
- 1) PRE-DEVELOPMENT RUN-OFF COEFFICIENT = 0.82  
2) POST-DEVELOPMENT RUN-OFF COEFFICIENT = 0.82
- E. QUALITY OF SITE STORM WATER DISCHARGE:  
PRIMARY POLLUTANT: SITE SOIL  
IT IS NOT ANTICIPATED THAT ANY HAZARDOUS MATERIALS WILL TYPICALLY BE CONTAINED WITHIN STORM WATER DISCHARGE. THE EXCEPTION TO THIS WOULD BE ANY FUELS OR LUBRICANTS LEAKED FROM VEHICLES OR EQUIPMENT AND ANY FERTILIZERS OR HERBICIDES USED DURING THE LANDSCAPE IMPROVEMENTS.
- F. RECEIVING BODY OF WATER:  
THE ULTIMATE RECEIVING BODY OF WATER, WHICH WOULD RECEIVE ANY STORM WATER IN EXCESS OF THAT CONTAINED WITHIN THE PROPOSED AND EXISTING RETENTION BASINS, IS THE INDIAN BEND WASH OR SALT RIVER.
- G. GRADING AND DRAINAGE PLAN:  
THE GRADING AND DRAINAGE PLAN AS PREPARED BY HESS-ROUNTREE, INC., PROJECT #1904-10 SHALL BE CONSIDERED A PART OF THE STORMWATER MANAGEMENT PLAN, AND ALL FINAL GRADING AND IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THAT PLAN.
- H. NO WATER BODIES ARE ON SITE.

2) EROSION AND SEDIMENT CONTROLS

- A. IMMEDIATELY FOLLOWING CLEARING AND GRUBBING, AND AS PART OF THE INITIAL ROUGH GRADING, ALL RETENTION BASINS SHALL BE CUT TO GRADE AND PERIMETER BERMS CONSTRUCTED. THE BASINS AND BERMS SHALL CONSTITUTE THE REQUIRED SEDIMENT BASINS. GRADES SHALL BE CUT (OR BERMING OR STRAW BALES SHALL BE PROVIDED) TO ASSURE THAT RUNOFF IS CONVEYED TO THE BASINS.
- B. ANY DISTURBED AREAS WHERE CONSTRUCTION HAS PERMANENTLY OR TEMPORARILY CEASED SHALL BE STABILIZED TO PREVENT EROSION. AN ACCEPTABLE STABILIZATION METHOD IS HYDROSEEDING. AREAS WHICH WILL BE REDISTURBED WITHIN 21 DAYS DO NOT HAVE TO BE STABILIZED.
- C. THE RETENTION BASINS WHICH ARE SIZED TO CONTAIN THE 100-YR STORM EVENT SHALL ALSO ACT AS THE REQUIRED SEDIMENT BASINS FOR THE PROJECT AND SHALL BE INSPECTED ON A MONTHLY BASIS AND AFTER EVERY HEAVY RAINFALL. NO FLOOD WATER AND THUS NO SEDIMENT CARRIED BY FLOOD WATER ESCAPES THESE BASINS. AS SUCH SEDIMENT SHALL BE REMOVED FROM THE BASINS AS NECESSARY TO MAINTAIN 100% OF THE REQUIRED CAPACITY OF THE BASIN DURING CONSTRUCTION.

NO CONFLICT SIGNATURE BLOCK					
Utility	Utility Company	Name of Company Representative	Telephone Number	Date Submitted	Date Signed
Water	City of Scottsdale	Elizabeth Norton	480-312-5650	8/26/19	X
Storm Drains	City of Scottsdale	Anyone Who Answers	602-206-2077	8/26/19	X
Elec./Sewer/Water	City of Scottsdale	Cindy Bowen	480-312-5999	8/26/19	X
Cable TV	Cox Communications	USIC Dispatch Center	800-778-9140	8/26/19	X
Cable TV	CTLQL - CenturyLink	Ray Perales	610-761-8524	8/26/19	X
Comm./Elec.	SRP-Maricopa County	SRP Blue Stake	602-236-8026	8/26/19	X
Gas	Southwest Gas	Troy Gungl	480-730-3675	8/26/19	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 \_\_\_\_\_ DATE \_\_\_\_\_

STORMWATER MANAGEMENT PLAN

FOR

BUS DROP AND PARKING LOT PLANS

AT

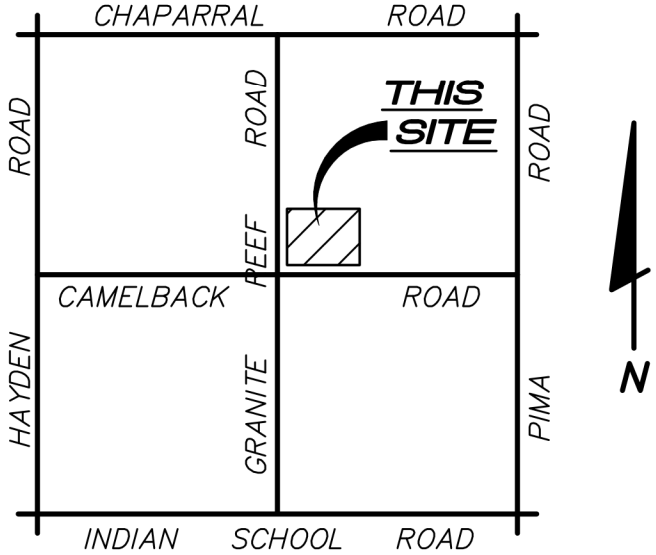
NAVAJO ELEMENTARY SCHOOL

7501 E. GRANITE REEF RD., SCOTTSDALE, AZ 85251

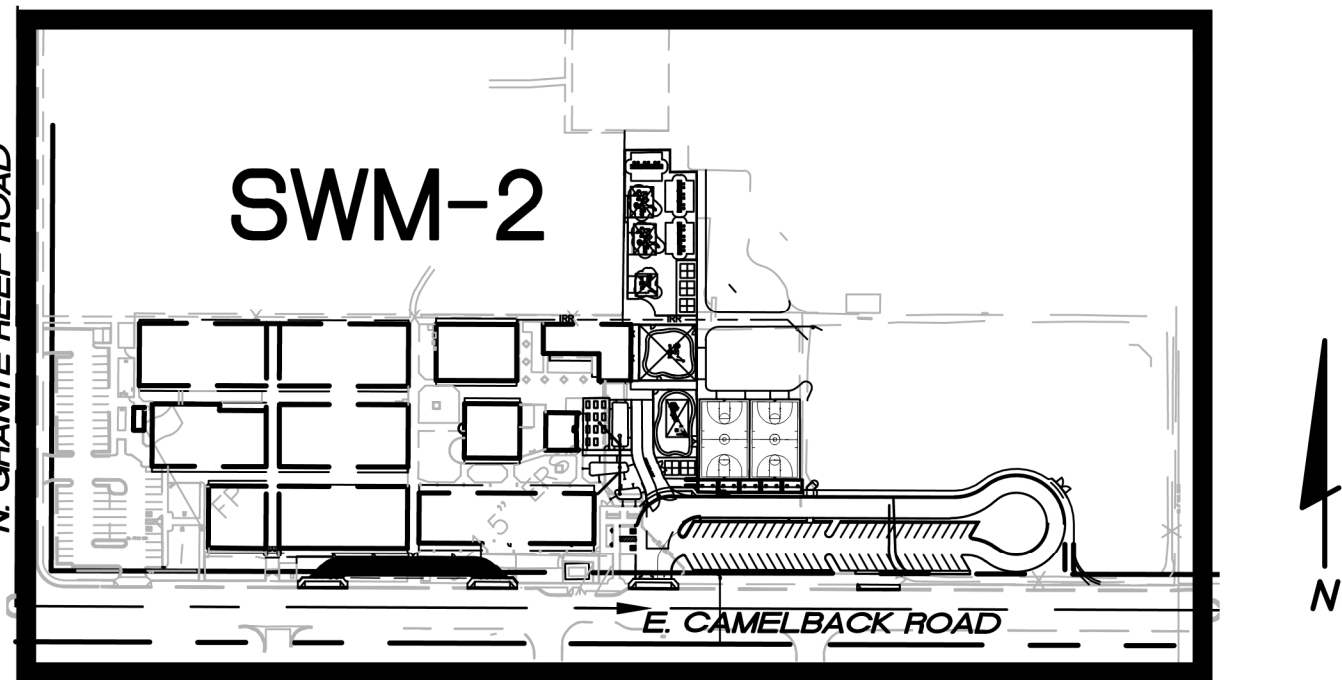
FOR

SCOTTSDALE UNIFIED SCHOOL DISTRICT

7575 E. MAIN STREET  
SCOTTSDALE, ARIZONA 85251  
PHONE: (480) 484-6100



VICINITY MAP  
NOT TO SCALE



SHEET INDEX MAP  
NOT TO SCALE

3) STORMWATER MANAGEMENT CONTROL

- A. THE CONTRACTOR, TOGETHER WITH THE OWNER AS COPERMITTEES, SHALL SUBMIT A NOTICE OF INTENT AT LEAST TWO (2) DAYS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE EPA.
- B. THE CONTRACTOR SHALL OBTAIN A DUST CONTROL PERMIT FROM THE MARICOPA COUNTY HEALTH DEPARTMENT AND SHALL WATER THE SITE AT AN ADEQUATE FREQUENCY TO MINIMIZE AIRBORNE PARTICLES.
- C. THE CONTRACTOR SHALL MAINTAIN A COPY OF THE STORMWATER POLLUTION PREVENTION PLAN AND ALL RECORDS AT THE CONSTRUCTION SITE.
- D. THE CONTRACTOR SHALL INSPECT THE CONSTRUCTION SITE AT LEAST ONCE EVERY SEVEN (7) DAYS AND WITHIN TWENTY-FOUR (24) HOURS OF A RAINFALL OF 0.5" OR MORE. THE CONTRACTOR SHALL PREPARE A REPORT DOCUMENTING THEIR FINDINGS ON THE CONDITIONS OF THE CONTROLS AND ANY STABILIZED AREAS. THE CONTRACTOR SHALL MODIFY THE STORMWATER POLLUTION PREVENTION PLAN AS NECESSARY TO CORRECT ANY OBSERVED SEDIMENT OR EROSION PROBLEMS.
- E. PERMANENT LANDSCAPING AND PLACEMENT OF FINAL COVER MATERIALS SHALL OCCUR AS SOON AS PRACTICAL AFTER COMPLETION OF GRADING.
- F. THE CONTRACTOR, TOGETHER WITH THE OWNER, SHALL FILE A NOTICE OF TERMINATION WITH THE EPA AFTER COMPLETION OF ALL CONSTRUCTION AND LANDSCAPING ACTIVITIES.
- G. THE TERMS & CONDITION OF THIS PERMIT WILL BE MET.

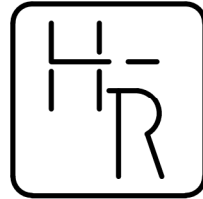
FLOODPLAN MAP INFORMATION

COMMUNITY NUMBER	PANEL NUMBER AND DATE	SUFFIX	DATE OF FIRM (INDEX DATE)	SHADED ZONE	BASE FLOOD ELEVATION (IN AO ZONE, USE DEPTH)
045012	1770	L	10-16-13	X	N/A
	10-16-13				

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.

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.



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

DES. **MAM** DRN. **ANM** CKD **DRO** JOB NO. **1904-10**

OWNER:

SCOTTSDALE UNIFIED SCHOOL DISTRICT NO. 48  
7575 EAST MAIN STREET  
SCOTTSDALE, ARIZONA 85251  
PHONE: (480) 484-6100  
CONTACT: LOUIS HARTWELL

ENGINEER:

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

SHEET INDEX:

SHEET NO.	DESCRIPTION
C-1	STORMWATER MANAGEMENT PLAN - COVER SHEET
C-2	STORMWATER MANAGEMENT PLAN

BENCHMARK:

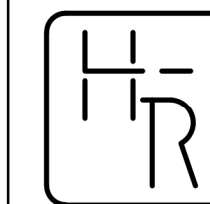
CITY OF SCOTTSDALE BRASS CAP, FLUSH, LOCATED AT THE INTERSECTION OF CAMELBACK ROAD AND GRANITE REEF ROAD.  
ELEVATION=1252.93 (CITY OF SCOTTSDALE NAVD88 DATUM)

STORM WATER MANAGEMENT PLANS COVER SHEET  
SCOTTSDALE UNIFIED SCHOOL DISTRICT  
BUS DROP AND PARKING LOT PLANS FOR  
NAVAJO ELEMENTARY SCHOOL

DRAWING STATUS	SHEET	OF	SWM-1
2ND CITY SUBMITTAL SET			
	1	2	
DATE: 02-14-20			















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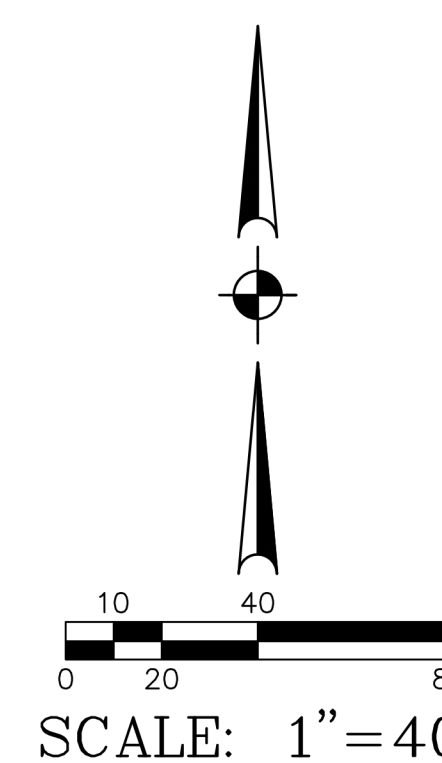
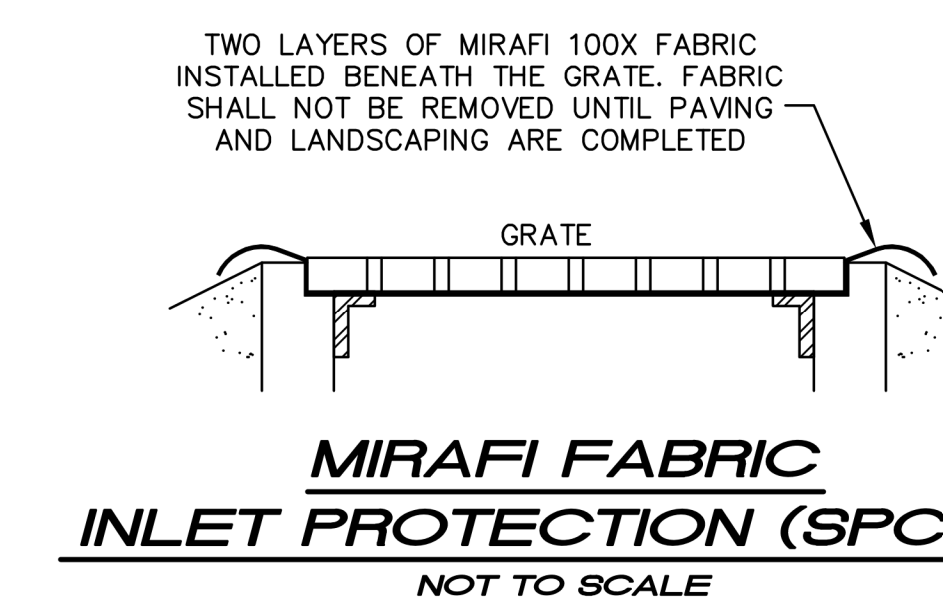
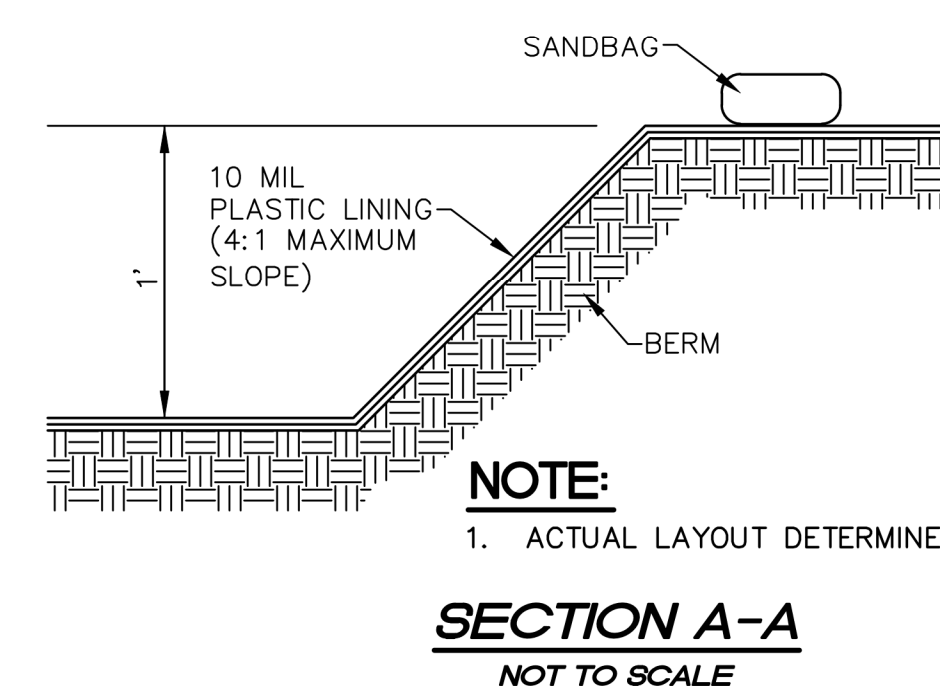
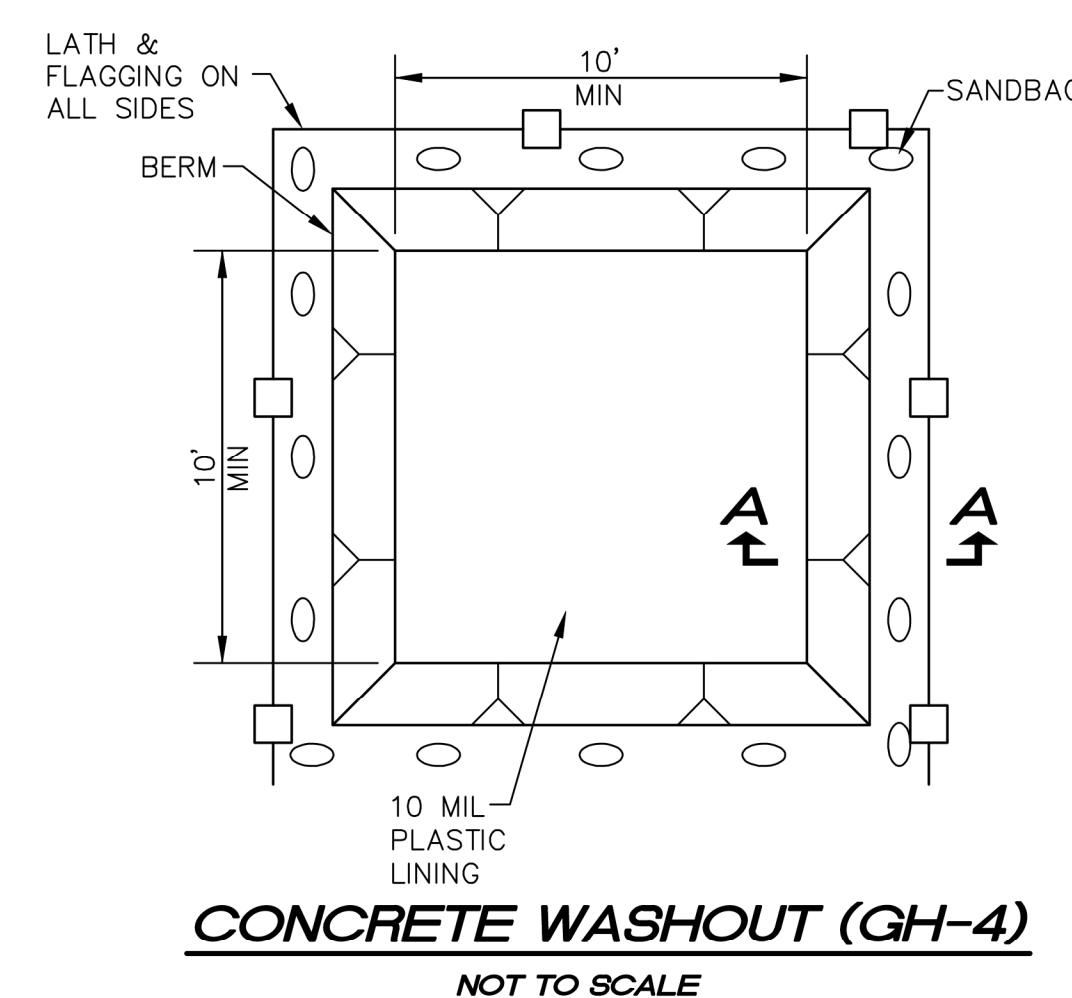
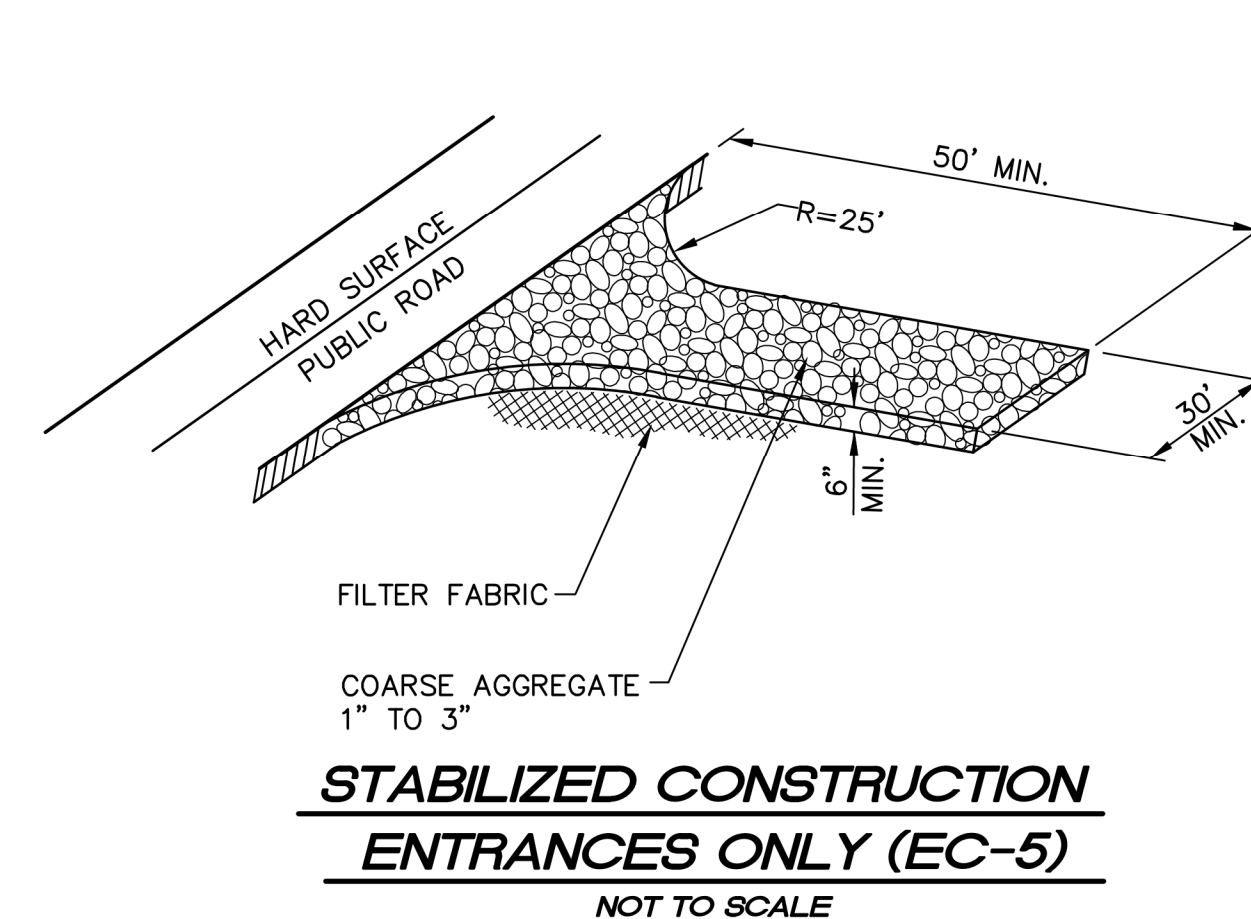
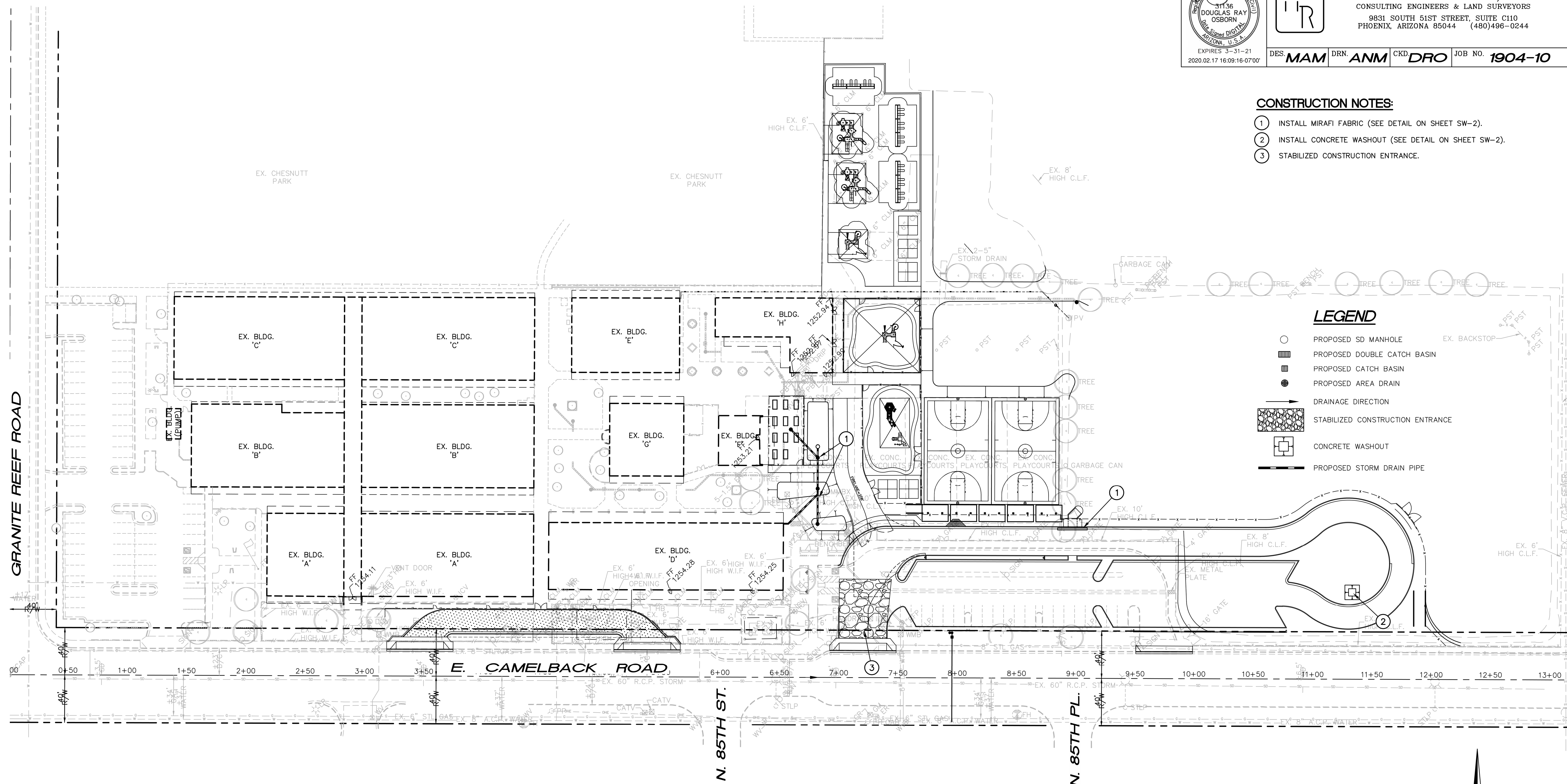
DES. <b>MAM</b>	DRN. <b>ANM</b>	CKD. <b>DRO</b>	JOB NO. <b>1904-10</b>
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**CONSTRUCTION NOTES:**

- ① INSTALL MIRAFI FABRIC (SEE DETAIL ON SHEET SW-2).
- ② INSTALL CONCRETE WASHOUT (SEE DETAIL ON SHEET SW-2).
- ③ STABILIZED CONSTRUCTION ENTRANCE.

### LEGEND

- |   |                                  |    |
|---|----------------------------------|----|
|  | PROPOSED SD MANHOLE              | EX |
|  | PROPOSED DOUBLE CATCH BASIN      |    |
|  | PROPOSED CATCH BASIN             |    |
|  | PROPOSED AREA DRAIN              |    |
|  | DRAINAGE DIRECTION               |    |
|  | STABILIZED CONSTRUCTION ENTRANCE |    |
|  | CONCRETE WASHOUT                 |    |
|  | PROPOSED STORM DRAIN PIPE        |    |



## STORMWATER MANAGEMENT PLAN

**SCOTTSDALE UNIFIED SCHOOL DISTRICT**  
**BUS DROP AND PARKING LOT PLANS FOR**  
**NAVAJO ELEMENTARY SCHOOL**

DRAWING STATUS		SHEET	OF	SWM-2
2ND CITY SUBMITTAL SET				
		2	2	
DATE: 02-14-20				



COS #5566-19