AERIAL VIEW MAP

N.T.S.

# SITE DATA

CITY OF MESA ZONING CODE RU-43 (VERIFY USE IS ALLOWED IN ZONE OR IF VARIANCE IS REQUIRED)

304-34-059,304-34-060

239,921 S.F. (5.51 ACRES) 240,019 S.F. (5.51 ACRES)

**LOT COVERAGE: (ZONING EXEMPT)** 

ADMIN/ASSEMBLY BLDG. 28,987 S.F. ENTRY CANOPY 60,408 S.F.

LOT COVERAGE - BLDG = 12%

**BUILDING HEIGHT / NUMBER OF STORIES (ZONING EXEMPT):** BUILDING A - ADMIN/ASSEMBLY BLDG: 34' - 2" (1-STORY)

**BUILDING AREA: (ZONING EXEMPT)** 

ADMIN/ASSEMBLY BLDG:

CLASSROOM BLDG: FIRST FLOOR 30,172 S.F. 60,344 S.F.

89,331 S,F, AREA UNDER ENTRY CANOPY = 90,580 S.F.

109 PARKING STALLS + 5 HANDICAPPED (2 OF THESE ARE VAN ACCESSIBLE) = 114 STALLS

ADDITIONAL PARKING FOR VISITORS AND EVENTS CAN BE UTILIZED AS PART OF THE VEHICLE

= 90,028 S.F.

PER STATE OF ARIZONA LAW, HOUSE BILL 2099 WHICH AMENDED SECTION 15-189.01 ARIZONA PUBLIC AND CHARTER SCHOOLS ARE:

- NOT SUBJECT TO FORMAL SITE PLAN APPROVAL BUT SUBJECT TO REVIEW BY FIRE TRAFFIC, AVIATION AND ARCHAEOLOGY
- NOT SUBJECT TO ZONING ORDINANCE STANDARDS, INCLUDING BUT NOT LIMITED TO: SETBACKS, LOT COVERAGE, HEIGHT, PARKING, DESIGN REVIEW AND INVENTORY, SALVAGE AND LANDSCAPE STANDARDS
- NOT SUBJECT TO THE CITY'S GRADING AND DRAINAGE (G&D) STANDARDS; NOT SUBJECT TO THE CITY'S STORM WATER MANAGEMENT PLANS (SWMP) STANDARDS; NOT SUBJECT TO CROSS ACCESS AGREEMENTS;
- NOT SUBJECT TO CSIT PERMITS; NOT REQUIRED TO PAY IMPACT FEES.

# SITE GENERAL NOTES

- ALL ON-SITE ACCESSIBLE SIDEWALKS SHALL BE A MINIMUM OF 3'-0" WIDE AND HAVE A MAXIMUM SLOPE OF 1:20 (5%) WITH THE MAXIMUM CROSS SLOPE OF 1:50 (2%). ALL CURBS MUST PROVIDE ACCESSIBLE RAMPS PURSUANT TO THE AMERICANS WITH DISABILITIES ACT
- CONTRACTOR TO VERIFY ALL SITE CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT AND OWNER OF ANY AND ALL DISCREPANCIES.
- CONTRACTOR TO VERIFY LOCATION OF ALL UTILITIES PRIOR TO COMMENCING
- ANY WORK PERFORMED IN THE PUBLIC RIGHT-OF-WAY SHALL REQUIRE A SEPARATE PERMIT. CONTRACTOR SHALL COORDINATE THE REMOVAL, ABANDONMENT, AND/OR RELOCATION OF EXISTING UTILITIES ABOVE OR BELOW GRADE WITH RESPECTIVE UTILITY COMPANIES.
- REFER TO CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.
- COMPONENTS, ETC. DUE TO CONSTRUCTION ACTIVITIES. PROVIDE PROTECTION AS REQUIRED TO AVERT DAMAGE.
- APPLICABLE CODES & ORDINANCES. CONTRACTOR TO REVIEW THE CONTRACT DOCUMENTS FOR CONTRACTIBILITY. DRAWINGS ARE DIAGRAMMATIC IN NATURE & SUBJECT TO ADJUSTMENTS TO AVOID CONFLICTS. ALTERNATE CONSTRUCTION METHODS & CONFIGURATION MAYBE MADE WHERE NECESSARY

DETAILS ARE TYPICAL OR SIMILAR THROUGHOUT THE PROJECT. SUBJECT TO MODIFICATIONS

THE PROJECT SCOPE INCLUDES ALL WORK REQUIRED TO PROVIDE FINISHED, FULLY FUNCTIONAL CODE COMPLIANT CONSTRUCTION. CONTRACTOR TO INCLUDE WORK ASSOCIATED WITH UNSEEN EXISTING CONDITIONS THAT ARE TYPICAL TO REMODELING IN SIMILAR EXISTING CONSTRUCTION AREA.

COORDINATE ALL LIGHT POLE LOCATIONS WITH ELECTRICAL AND ARCHITECTURAL DRAWINGS. COORDINATE STREET LIGHT PLANS WITH CIVIL PLANS.

ALL MECHANICAL AND ELECTRICAL EQUIPMENT SHALL BE SCREENED FROM PUBLIC VIEW. 14. TEMPORARY PEDESTRIAN PROTECTION SHALL BE PROVIDED WHERE REQUIRED BY STUDENT / EMPLOYEE TRAFFIC.

15. ALL SIGNAGE TO BE PROCESSED AS A SEPARATE PERMIT.

IT IS THE CONTRACTORS RESPONSIBILITY TO VISIT THE SITE TO DETERMINE FULL EXTENT OF WORK REQUIRED. NO ADDITIONAL COMPENSATION WILL BE PERMITTED FOR FAILURE TO FULLY ASCERTAIN ALL ASPECTS OF DEMOLITION WORK REQUIRED FOR NEW CONSTRUCTION. THE OWNER MAY UTILIZE OTHER SEPARATE CONTRACTORS (I.E. COMPUTER, TELEPHONE, ETC.) DURING THE COURSE OF CONSTRUCTION. THE CONTRACTOR, AS A COURTESY TO THE

<del>○ ○ ○ </del> CHAINLINK FENCING • RIGHT-OF-WAY LINE SETBACK LINE EASEMENT LINE

LIGHT POLE

FIRE DEPARTMENT CONNECTION (BUILDING MOUNTED)

• FIRE DEPARTMENT CONNECTION (FREE-STANDING)

KNOX BOX (SURFACE-MOUNTED) KNOX BOX (RECESSED)

32.14 30FT FLAG POLE 32.15 6" MOW CURB

32.17 RIPRAP

32.16 CONCRETE DRAINAGE HEADWALL

32.18 CHAINLINK FENCING @ 6FT. INTERIOR FENCING FOR KINDERGARTEN PLAYGROUND AT 4FT.

100% CD SET

• FLAG POLE

MARKA. **DAVENPORT** 

REVIEWED BY: Checker

JOB No: K2300001

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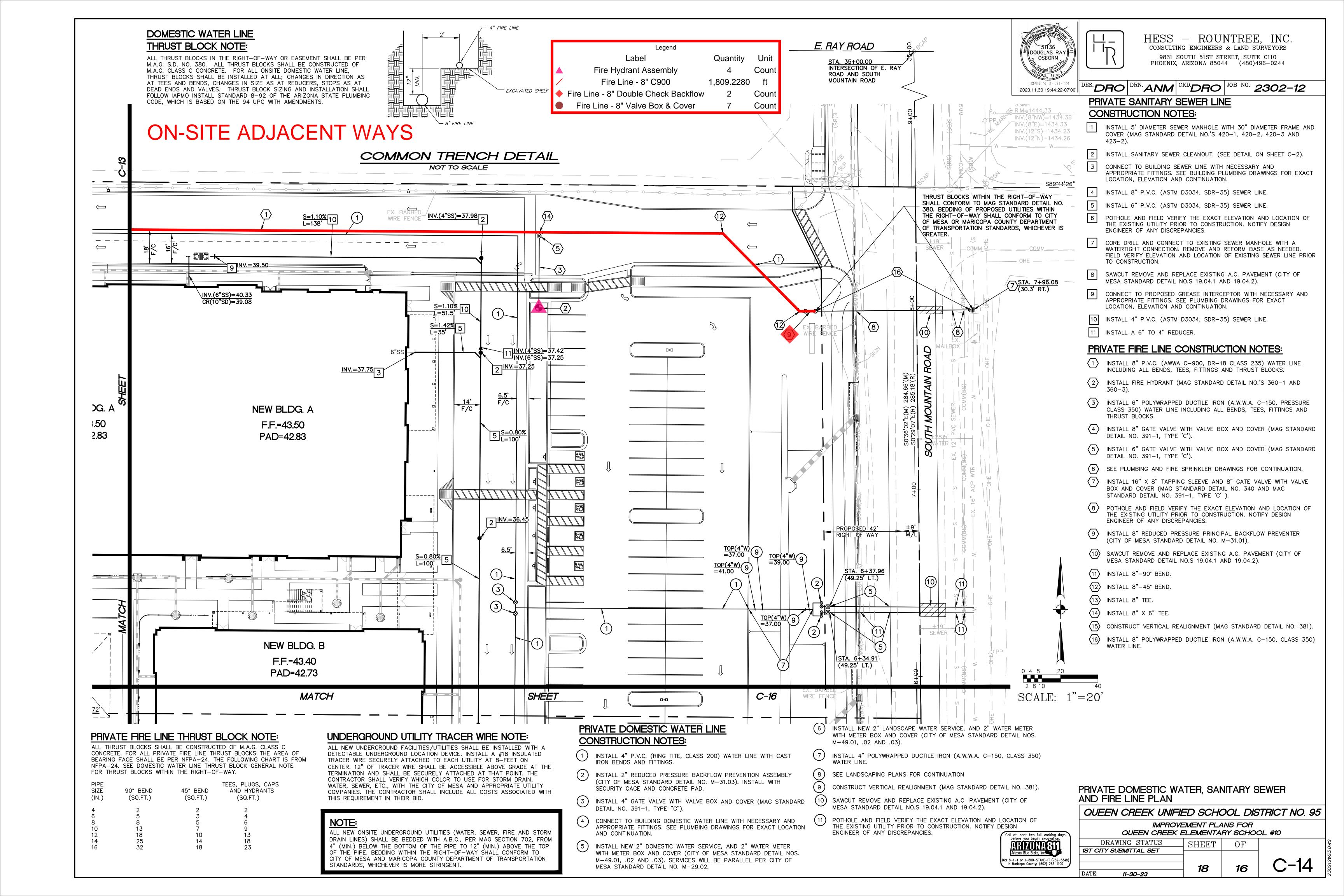
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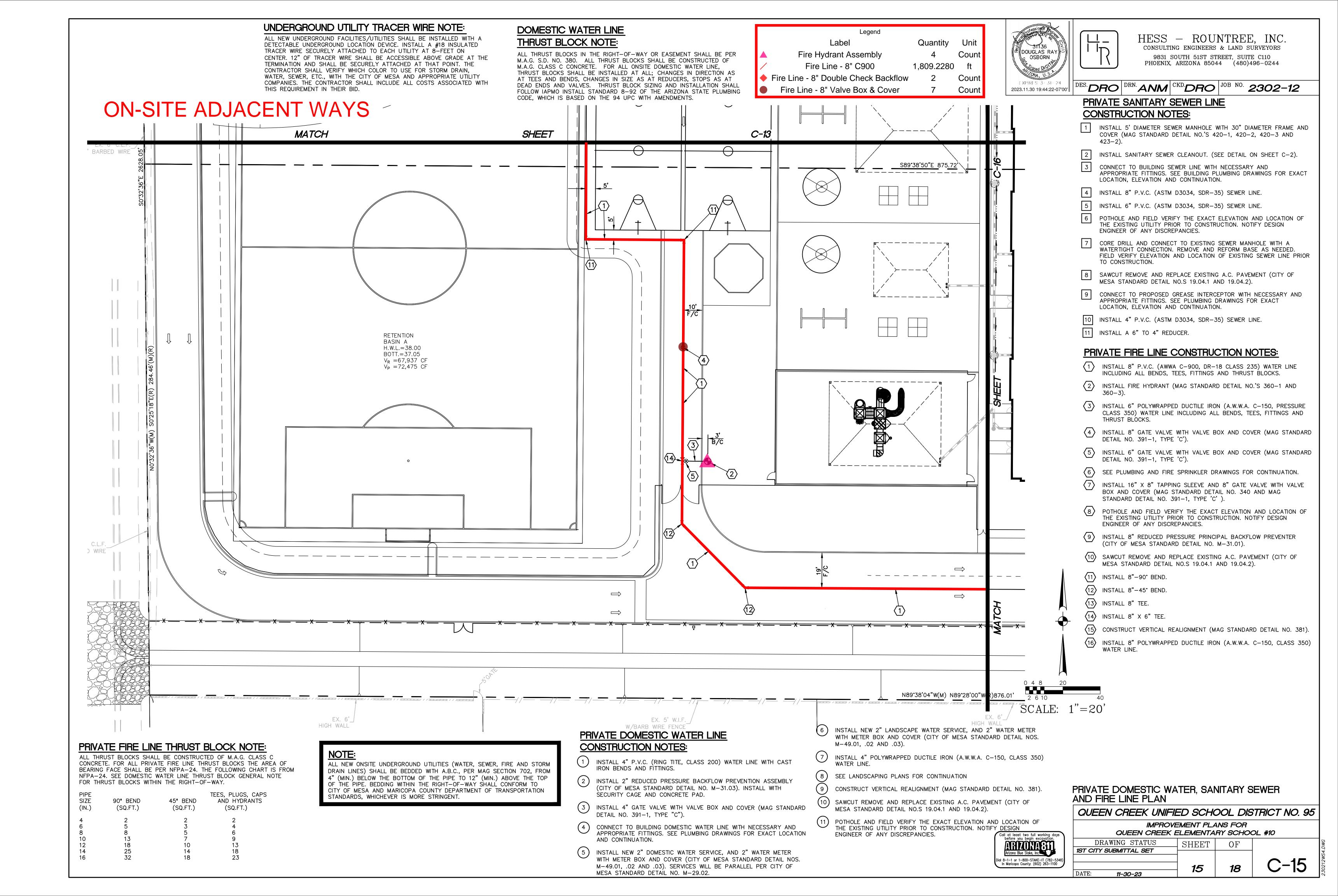
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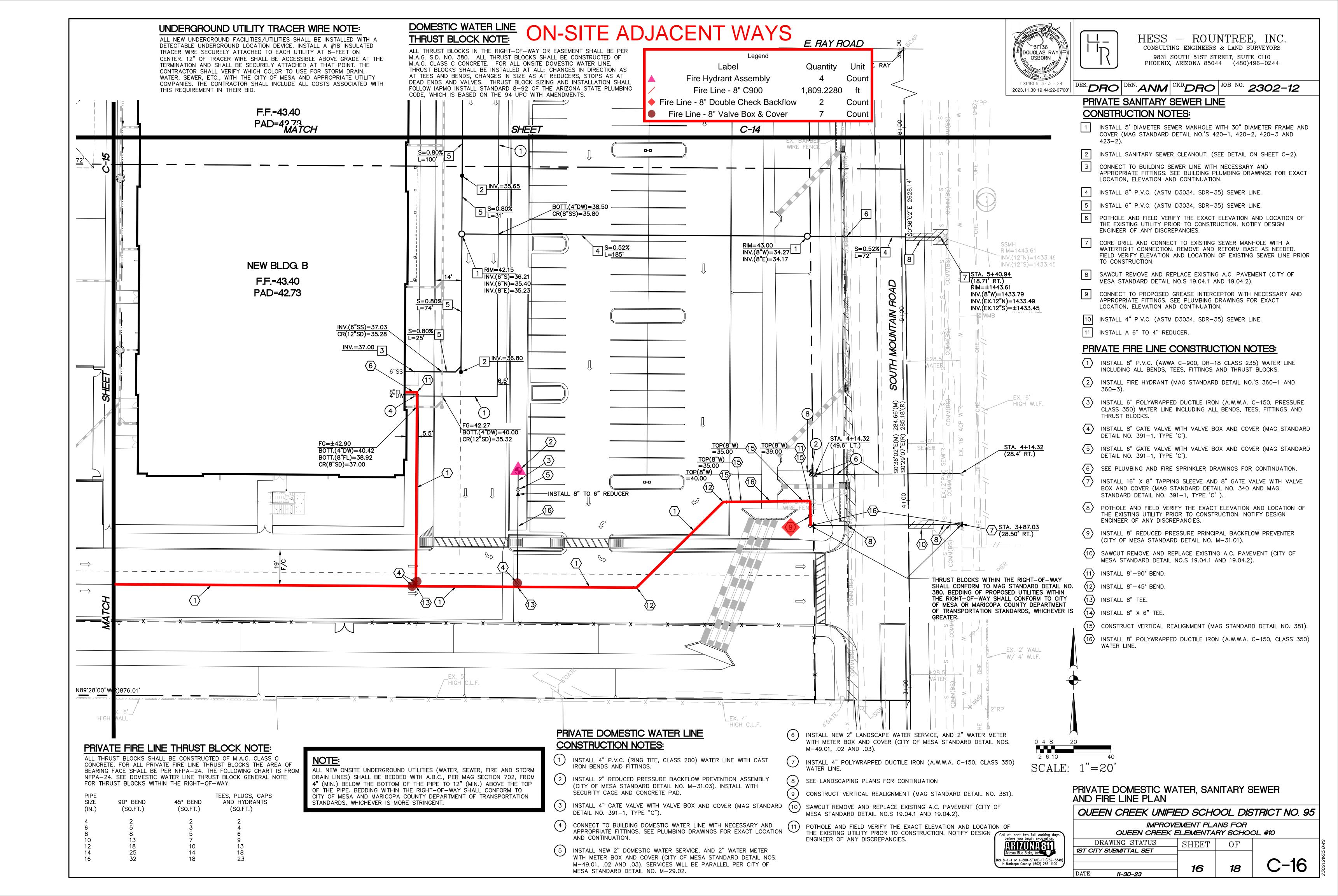
WITHOUT WRITTEN PERMISSION

### ON-SITE ADJACENT WAYS ∕ 4" FIRE LINE HESS - ROUNTREE, INC. CONSULTING ENGINEERS & LAND SURVEYORS UNDERGROUND UTILITY TRACER WIRE NOTE: DOMESTIC WATER LINE DOUGLAS RAY OSBORN 9831 SOUTH 51ST STREET, SUITE C110 ALL NEW UNDERGROUND FACILITIES/UTILITIES SHALL BE INSTALLED WITH A Legend THRUST BLOCK NOTE: PHOENIX, ARIZONA 85044 (480)496-0244 DETECTABLE UNDERGROUND LOCATION DEVICE. INSTALL A #18 INSULATED Label Quantity Unit TRACER WIRE SECURELY ATTACHED TO EACH UTILITY AT 8-FEET ON ALL THRUST BLOCKS IN THE RIGHT-OF-WAY OR EASEMENT SHALL BE PER CENTER. 12" OF TRACER WIRE SHALL BE ACCESSIBLE ABOVE GRADE AT THE Fire Hydrant Assembly M.A.G. S.D. NO. 380. ALL THRUST BLOCKS SHALL BE CONSTRUCTED OF Count ES. DRO DRN. ANM CKD. DRO DRO JOB NO. 2302-12 TERMINATION AND SHALL BE SECURELY ATTACHED AT THAT POINT. THE EXCAVATED SHELF M.A.G. CLASS C CONCRETE. FOR ALL ONSITE DOMESTIC WATER LINE, 2023.11.30 19:44:22-07'00 CONTRACTOR SHALL VERIFY WHICH COLOR TO USE FOR STORM DRAIN, 1,809.2280 Fire Line - 8" C900 THRUST BLOCKS SHALL BE INSTALLED AT ALL; CHANGES IN DIRECTION AS WATER, SEWER, ETC., WITH THE CITY OF MESA AND APPROPRIATE UTILITY COMPANIES. THE CONTRACTOR SHALL INCLUDE ALL COSTS ASSOCIATED WITH PRIVATE SANITARY SEWER LINE AT TEES AND BENDS, CHANGES IN SIZE AS AT REDUCERS, STOPS AS AT Fire Line - 8" Double Check Backflow Count DEAD ENDS AND VALVES. THRUST BLOCK SIZING AND INSTALLATION SHALL THIS REQUIREMENT IN THEIR BID. **CONSTRUCTION NOTES:** FOLLOW IAPMO INSTALL STANDARD 8-92 OF THE ARIZONA STATE PLUMBING Fire Line - 8" Valve Box & Cover Count CODE. WHICH IS BASED ON THE 94 UPC WITH AMENDMENTS. INSTALL 5' DIAMETER SEWER MANHOLE WITH 30" DIAMETER FRAME AND COMMON TRENCH DETAIL COVER (MAG STANDARD DETAIL NO.'S 420-1, 420-2, 420-3 AND NOT TO SCALE INSTALL SANITARY SEWER CLEANOUT. (SEE DETAIL ON SHEET C-2). CONNECT TO BUILDING SEWER LINE WITH NECESSARY AND APPROPRIATE FITTINGS. SEE BUILDING PLUMBING DRAWINGS FOR EXACT LOCATION, ELEVATION AND CONTINUATION. S89°38'04"E(M) 875.44'(M) 589°33'39"E(R) 875.21'(R)∃ INSTALL 8" P.V.C. (ASTM D3034, SDR-35) SEWER LINE. EX. BARBED WIRE FENCE INSTALL 6" P.V.C. (ASTM D3034, SDR-35) SEWER LINE. POTHOLE AND FIELD VERIFY THE EXACT ELEVATION AND LOCATION OF THE EXISTING UTILITY PRIOR TO CONSTRUCTION. NOTIFY DESIGN $\leftarrow$ ENGINEER OF ANY DISCREPANCIES. CORE DRILL AND CONNECT TO EXISTING SEWER MANHOLE WITH A WATERTIGHT CONNECTION. REMOVE AND REFORM BASE AS NEEDED. FIELD VERIFY ELEVATION AND LOCATION OF EXISTING SEWER LINE PRIOR BOTT.(4"DW)=39.80 BOTT.(8"FL)=38.00 CR(10"SD)=36.90SAWCUT REMOVE AND REPLACE EXISTING A.C. PAVEMENT (CITY OF MESA STANDARD DETAIL NO.S 19.04.1 AND 19.04.2). CONNECT TO PROPOSED GREASE INTERCEPTOR WITH NECESSARY AND APPROPRIATE FITTINGS. SEE PLUMBING DRAWINGS FOR EXACT EX. 6' C.L.F. BARBED WIRE LOCATION, ELEVATION AND CONTINUATION. 10 INSTALL 4" P.V.C. (ASTM D3034, SDR-35) SEWER LINE. 11 INSTALL A 6" TO 4" REDUCER. PRIVATE FIRE LINE CONSTRUCTION NOTES: 1) INSTALL 8" P.V.C. (AWWA C-900, DR-18 CLASS 235) WATER LINE INCLUDING ALL BENDS, TEES, FITTINGS AND THRUST BLOCKS. 2 INSTALL FIRE HYDRANT (MAG STANDARD DETAIL NO.'S 360-1 AND RETENTION NEW BLDG. A BASIN A (3) INSTALL 6" POLYWRAPPED DUCTILE IRON (A.W.W.A. C-150, PRESSURE H.W.L.=38.00 CLASS 350) WATER LINE INCLUDING ALL BENDS, TEES, FITTINGS AND BOTT.=37.05 F.F.=43.50 THRUST BLOCKS. $V_R = 67,937$ CF $V_P = 72,475$ CF PAD=42.83 (4) INSTALL 8" GATE VALVE WITH VALVE BOX AND COVER (MAG STANDARD DETAIL NO. 391-1, TYPE 'C'). (5) INSTALL 6" GATE VALVE WITH VALVE BOX AND COVER (MAG STANDARD DETAIL NO. 391-1, TYPE 'C'). (6) SEE PLUMBING AND FIRE SPRINKLER DRAWINGS FOR CONTINUATION. INSTALL 16" X 8" TAPPING SLEEVE AND 8" GATE VALVE WITH VALVE BOX AND COVER (MAG STANDARD DETAIL NO. 340 AND MAG STANDARD DETAIL NO. 391-1, TYPE 'C' ). POTHOLE AND FIELD VERIFY THE EXACT ELEVATION AND LOCATION OF THE EXISTING UTILITY PRIOR TO CONSTRUCTION. NOTIFY DESIGN ENGINEER OF ANY DISCREPANCIES. INSTALL 8" REDUCED PRESSURE PRINCIPAL BACKFLOW PREVENTER (CITY OF MESA STANDARD DETAIL NO. M-31.01). SAWCUT REMOVE AND REPLACE EXISTING A.C. PAVEMENT (CITY OF MESA STANDARD DETAIL NO.S 19.04.1 AND 19.04.2). $\langle 11 \rangle$ INSTALL 8"-90° BEND. (12) INSTALL 8"-45" BEND. (13) INSTALL 8" TEE. (14) INSTALL 8" X 6" TEE. (15) CONSTRUCT VERTICAL REALIGNMENT (MAG STANDARD DETAIL NO. 381). (16) INSTALL 8" POLYWRAPPED DUCTILE IRON (A.W.W.A. C-150, CLASS 350) MATCH SHEET BARBED WIRE 6 INSTALL NEW 2" LANDSCAPE WATER SERVICE, AND 2" WATER METER PRIVATE DOMESTIC WATER LINE WITH METER BOX AND COVER (CITY OF MESA STANDARD DETAIL NOS. **CONSTRUCTION NOTES:** M-49.01, .02 AND .03). PRIVATE FIRE LINE THRUST BLOCK NOTE: NOTE: 1) INSTALL 4" P.V.C. (RING TITE, CLASS 200) WATER LINE WITH CAST INSTALL 4" POLYWRAPPED DUCTILE IRON (A.W.W.A. C-150, CLASS 350) ALL THRUST BLOCKS SHALL BE CONSTRUCTED OF M.A.G. CLASS O WATER LINE. IRON BENDS AND FITTINGS. CONCRETE. FOR ALL PRIVATE FIRE LINE THRUST BLOCKS THE AREA OF ALL NEW ONSITE UNDERGROUND UTILITIES (WATER, SEWER, FIRE AND STORM BEARING FACE SHALL BE PER NFPA-24. THE FOLLOWING CHART IS FROM DRAIN LINES) SHALL BE BEDDED WITH A.B.C., PER MAG SECTION 702, FROM (2) INSTALL 2" REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY SEE LANDSCAPING PLANS FOR CONTINUATION NFPA-24. SEE DOMESTIC WATER LINE THRUST BLOCK GENERAL NOTE 4" (MIN.) BELOW THE BOTTOM OF THE PIPE TO 12" (MIN.) ABOVE THE TOP OF THE PIPE. BEDDING WITHIN THE RIGHT—OF—WAY SHALL CONFORM TO (CITY OF MESA STANDARD DETAIL NO. M-31.03). INSTALL WITH FOR THRUST BLOCKS WITHIN THE RIGHT-OF-WAY. CONSTRUCT VERTICAL REALIGNMENT (MAG STANDARD DETAIL NO. 381). SECURITY CAGE AND CONCRETE PAD. PRIVATE DOMESTIC WATER, SANITARY SEWER CITY OF MESA AND MARICOPA COUNTY DEPARTMENT OF TRANSPORTATION TEES, PLUGS, CAPS AND FIRE LINE PLAN STANDARDS, WHICHEVER IS MORE STRINGENT. (3) INSTALL 4" GATE VALVE WITH VALVE BOX AND COVER (MAG STANDARD SAWCUT REMOVE AND REPLACE EXISTING A.C. PAVEMENT (CITY OF 90° BEND 45° BEND SIZE AND HYDRANTS MESA STANDARD DETAIL NO.S 19.04.1 AND 19.04.2). DETAIL NO. 391-1, TYPE "C"). (IN.) (SQ.FT.) (SQ.FT.) (SQ.FT.) QUEEN CREEK UNIFIED SCHOOL DISTRICT NO. 95 (11) POTHOLE AND FIELD VERIFY THE EXACT ELEVATION AND LOCATION OF CONNECT TO BUILDING DOMESTIC WATER LINE WITH NECESSARY AND THE EXISTING UTILITY PRIOR TO CONSTRUCTION. NOTIFY DESIGN IMPROVEMENT PLANS FOR APPROPRIATE FITTINGS. SEE PLUMBING DRAWINGS FOR EXACT LOCATION ENGINEER OF ANY DISCREPANCIES. QUEEN CREEK ELEMENTARY SCHOOL #10 Call at least two full working days before you begin excavation. DRAWING STATUS SHEET INSTALL NEW 2" DOMESTIC WATER SERVICE, AND 2" WATER METER 1ST CITY SUBMITTAL SET WITH METER BOX AND COVER (CITY OF MESA STANDARD DETAIL NOS. M-49.01, .02 AND .03). SERVICES WILL BE PARALLEL PER CITY OF al 8–1–1 or 1–800–STAKE–IT (782–534 In Maricopa County: (602) 263–1100 C-13MESA STANDARD DETAIL NO. M-29.02.

11-30-23







2 - Concrete Single Curb (Onsite A 802.78 LF

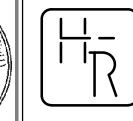
ON-SITE ADJACENT WAYS

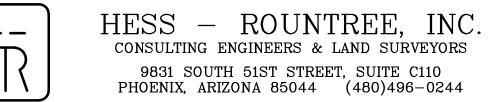
21 - Concrete Valley Gutter

# STORM DRAIN CONSTRUCTION NOTES:

# **ALTERNATE NO. 1**

# 31136 DOUGLAS RAY SOSBORN

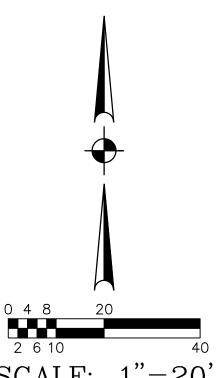




S.DRO DRN. ANM CKD.DRO DRO JOB NO. 2302-12

# 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 A.C. PAVEMENT (2-1/2" A.C. (TYPE 1/2") OVER 7" A.B.C. OVER COMPACTED SUBGRADE) IN HEAVY TRAFFIC AREAS.
- 4 INSTALL A.C. PAVEMENT (2" A.C. (TYPE 1/2") OVER 7" A.B.C. OVER COMPACTED SUBGRADE) IN PARKING AND LIGHT TRAFFIC AREAS.
- 5 INSTALL CONCRETE SIDEWALK (MAG STANDARD DETAIL NO. 230). SEE ARCHITECTURAL DRAWINGS FOR SCORING AND FINISH.
- (6) INSTALL CONCRETE SPLASHPAD (SEE DETAIL ON SHEET C-2).
- CONSTRUCT CURB TERMINATION (MAG STANDARD DETAIL NO. 222).
- 8 CONSTRUCT SIDEWALK RAMP, TYPE PER PLAN (SEE DETAIL ON SHEET
- 9 PAINT STRIPE PARKING LOT TO THE ALIGNMENTS INDICATED (INCLUDING ALL DIRECTIONAL ARROWS, CROSSWALKS, PARKING STALLS, HANDICAP
- 10 CONSTRUCT NEW GAGA BALL PIT (SEE PLAYGROUND PLANS FOR
- (11) INSTALL 6' HIGH CHAIN LINK FENCE.
- (12) MATCH EXISTING ELEVATION AND LOCATION.
- (13) INSTALL 6" THICK MAG AA CONCRETE (4,000 P.S.I. @ 28 DAYS).
- (14) INSTALL NEW FENCE/GATES (SEE ARCHITECTURAL PLANS FOR DETAILS).
- 15) INSTALL 18" DEEP BY 6" WIDE CONCRETE SIDEWALK TURNDOWN BETWEEN THE LIMITS SHOWN.
- (16) INSTALL ROLL GATE (SEE ARCHITECTURAL PLANS FOR DETAILS).
- 17) INSTALL 12" THICKNESS OF ANGULAR RIP-RAP (D50=6"). COLOR TO MATCH EXISTING. INSTALL MIRAFI 180N FILTER FABRIC BENEATH
- (18) INSTALL 6' HIGH BY 10' WIDE CHAIN LINK FENCE DOUBLE SWING GATE.
- (19) CONSTRUCT NEW TRASH ENCLOSURE (SEE ARCHITECTURAL PLANS FOR
- 20 INSTALL HANDICAP PARKING SIGN PER CITY OF MESA STANDARD DETAIL NO. M-23.06. POST AND BASE PER CITY OF MESA STANDARD
- 21) INSTALL CONCRETE VALLEY GUTTER (MAG STANDARD DETAIL NO. 240, WIDTH PER PLAN).
- 22) INSTALL PRECAST SAFETY CURB (MAG STANDARD DETAIL NO. 150, TYPE B-3).
- 23 INSTALL 1-3' X 3' XL GABION BASKET W/ ROCK RIP-RAP  $D_{50}$ =4.5', MACAFERRI MESH TYPE 8 X 10, WIRE DIA. 0.12", GALVANIZED, OR APPROVED EQUAL.
- (24) INSTALL 6" THICK RENO MATTRESS W/ ROCK RIP-RAP  $D_{50}=3$ " MACAFERRI MESH TYPE 8 X 10 WIRE DIA. 0.12", GALVANIZED, OR APPROVED EQUAL. INSTALL MIRAFI 140NL FILTER FABRIC OR APPROVED
- 25 INSTALL DRAIN THROUGH LANDSCAPE AREA (SEE DETAIL ON SHEET



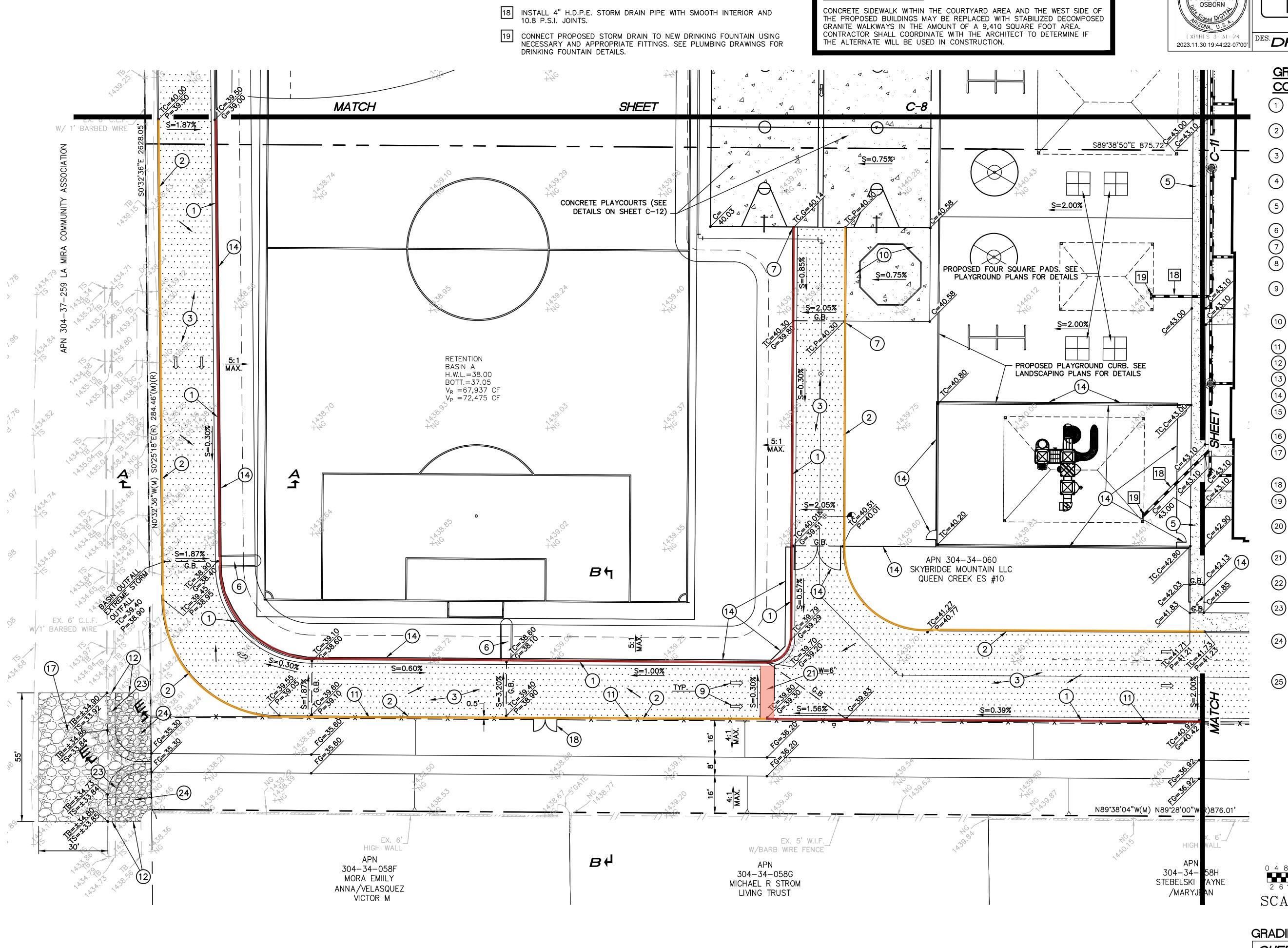
# GRADING AND DRAINAGE PLAN

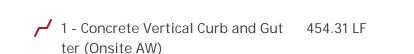
Dial 8-1-1 or 1-800-STAKE-IT (782-5348 In Maricopa County: (602) 263-1100

QUEEN CREEK UNIFIED SCHOOL DISTRICT NO. 95

IMPROVEMENT PLANS FOR QUEEN CREEK ELEMENTARY SCHOOL #10

DRAWING STATUS 1ST CITY SUBMITTAL SET *11-30-23* 





2 - Concrete Single Curb (Onsite A 814.12 LF

21 - Concrete Valley Gutter 204.10 SF

# ON-SITE ADJACENT WAYS

### STORM DRAIN CONSTRUCTION NOTES: 9 INSTALL NEW 8" H.D.P.E. STORM DRAIN PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.

- CONNECT TO DOWNSPOUT WITH SQUARE TO ROUND FITTING. SEE PLUMBING DRAWINGS FOR CONTINUATION.
- INSTALL NEW STORM DRAIN CLEANOUT (SEE DETAIL ON SHEET C-2). INSTALL AREA DRAIN (SEE DETAIL ON SHEET C-2).

F.F.=43.40

NEW BLDG. B

F.F.=43.40

PAD=42.73

PAD=42.73 MATCH

- INSTALL NEW 24" H.D.P.E. STORM DRAIN PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.
- CONSTRUCT DUAL CHAMBER DRYWELL (SEE DETAIL ON SHEET C-2). INSTALL NEW 18" H.D.P.E. STORM DRAIN PIPE WITH SMOOTH INTERIOR

AND 10.8 P.S.I. JOINTS.

. . . . .

N89°28'00'

- INSTALL NEW 12" H.D.P.E. STORM DRAIN PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.
- INSTALL NEW 10" H.D.P.E. STORM DRAIN PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.

3 RIM=42.70 INV.(8"SD)=39.97

INV.(10"SD)=39.80

- INSTALL NEW CATCH BASIN (MAG STANDARD DETAIL NO 537, DOUBLE).
- INSTALL 30" H.D.P.E. STORM DRAIN PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.
- 12 INSTALL 24" TO 18" REDUCER.

INV.=41.45 1

INV.=41.45 1

INV.(6"SS)=37.03 CR(12"SD)=35.28

INV.=41.45 1

FG=42.90 BOTT.(4"DW)=40.42

BOTT.(8"FL)=38.92

CR(8"SD)=37.00

INV.=36.45

- 13 INSTALL NEW CATCH BASIN (MAG STANDARD DETAIL NO. 537, SINGLE).
- 14 INSTALL 12" DUCTILE IRON PIPE (PRESSURE CLASS 350) UNDER BUILDING OVERHANG.
- 15 INSTALL 36" H.D.P.E. STORM DRAIN PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.
- 16 CONSTRUCT HEADWALL (MAG STANDARD DETAIL NO.'S 501-1 AND 501-2). INSTALL HANDRAIL ON HEADWALL (MAG STANDARD DETAIL NO. 145, TYPE 1). HEADWALL DETAIL SHALL BE MODIFIED SO THAT THERE

2 INV.=34.09

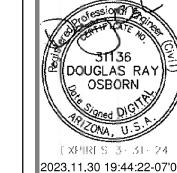
CR(12"SD)=35.32 | NV.(8"SD)=34.68 | NV.(12"SD)=34.35

- IS ONE FOOT SEPARATION BETWEEN THE 36" PIPES FROM OUTSIDE DIAMETER TO OUTSIDE DIAMETER (L5=4'-6"). INSTALL TRASH RACK ON HEADWALL (CITY OF PHOENIX STANDARD DETAIL NO.'S P1562 AND
- CONSTRUCT HEADWALL (MAG STANDARD DETAIL NO.'S 501-1). INSTALL HANDRAIL ON HEADWALL (MAG STANDARD DETAIL NO. 145, TYPE 1). INSTALL TRASH RACK ON HEADWALL (CITY OF PHOENIX STANDARD DETAIL NO.'S P1562 AND P1563).
- 18 INSTALL 4" H.D.P.E. STORM DRAIN PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.
- CONNECT PROPOSED STORM DRAIN TO NEW DRINKING FOUNTAIN USING NECESSARY AND APPROPRIATE FITTINGS. SEE PLUMBING DRAWINGS FOR DRINKING FOUNTAIN DETAILS.

· S=1.50% ·

4:1 MAX

4:<u>1</u>



RIM=1443.61

∟EX. 6'

- SEE OFFSITE

OFFSITE WORK

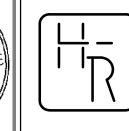
PAVING PLANS FOR

HIGH WALL

HIGH W.I.F

\_INV.(12"N)=1433.49

INV.(12"S)=1433.45



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

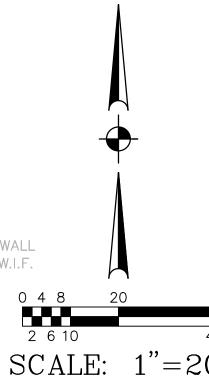
S. DRO | DRN. ANM | CKD. DRO | JOB NO. 2302-12

# **ALTERNATE NO. 1**

CONCRETE SIDEWALK WITHIN THE COURTYARD AREA AND THE WEST SIDE OF THE PROPOSED BUILDINGS MAY BE REPLACED WITH STABILIZED DECOMPOSED GRANITE WALKWAYS IN THE AMOUNT OF A 9,410 SQUARE FOOT AREA. CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT TO DETERMINE IF THE ALTERNATE WILL BE USED IN CONSTRUCTION.

# 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,
- 3 INSTALL A.C. PAVEMENT (2-1/2" A.C. (TYPE 1/2") OVER 7" A.B.C. OVER COMPACTED SUBGRADE) IN HEAVY TRAFFIC AREAS.
- 4 INSTALL A.C. PAVEMENT (2" A.C. (TYPE 1/2") OVER 7" A.B.C. OVER COMPACTED SUBGRADE) IN PARKING AND LIGHT TRAFFIC AREAS.
  - INSTALL CONCRETE SIDEWALK (MAG STANDARD DETAIL NO. 230). SEE ARCHITECTURAL DRAWINGS FOR SCORING AND FINISH.
  - INSTALL CONCRETE SPLASHPAD (SEE DETAIL ON SHEET C-2).
- CONSTRUCT CURB TERMINATION (MAG STANDARD DETAIL NO. 222).
- 8 CONSTRUCT SIDEWALK RAMP, TYPE PER PLAN (SEE DETAIL ON SHEET
- 9 PAINT STRIPE PARKING LOT TO THE ALIGNMENTS INDICATED (INCLUDING ALL DIRECTIONAL ARROWS, CROSSWALKS, PARKING STALLS, HANDICAP STRIPING, ETC.).
- (10) CONSTRUCT NEW GAGA BALL PIT (SEE PLAYGROUND PLANS FOR
- (11) INSTALL 6' HIGH CHAIN LINK FENCE.
- (12) MATCH EXISTING ELEVATION AND LOCATION.
- ) INSTALL 6" THICK MAG AA CONCRETE (4,000 P.S.I. @ 28 DAYS).
- 14) INSTALL NEW FENCE/GATES (SEE ARCHITECTURAL PLANS FOR DETAILS).
- (15) INSTALL 18" DEEP BY 6" WIDE CONCRETE SIDEWALK TURNDOWN BETWEEN THE LIMITS SHOWN.
- (16) INSTALL ROLL GATE (SEE ARCHITECTURAL PLANS FOR DETAILS).
- 17) INSTALL 12" THICKNESS OF ANGULAR RIP-RAP (D50=6"). COLOR TO MATCH EXISTING. INSTALL MIRAFI 180N FILTER FABRIC BENEATH
- (18) INSTALL 6' HIGH BY 10' WIDE CHAIN LINK FENCE DOUBLE SWING GATE.
- (19) CONSTRUCT NEW TRASH ENCLOSURE (SEE ARCHITECTURAL PLANS FOR (20) INSTALL HANDICAP PARKING SIGN PER CITY OF MESA STANDARD
- DETAIL NO. M-23.06. POST AND BASE PER CITY OF MESA STANDARD
- (21) INSTALL CONCRETE VALLEY GUTTER (MAG STANDARD DETAIL NO. 240, WIDTH PER PLAN).
- (22) INSTALL PRECAST SAFETY CURB (MAG STANDARD DETAIL NO. 150,
- (23) INSTALL 1-3' X 3' XL GABION BASKET W/ ROCK RIP-RAP  $D_{50}$ =4.5', MACAFERRI MESH TYPE 8 X 10, WIRE DIA. 0.12", GALVANIZED, OR APPROVED EQUAL.
- (24) INSTALL 6" THICK RENO MATTRESS W/ ROCK RIP-RAP  $D_{50}=3$ " MACAFERRI MESH TYPE 8 X 10 WIRE DIA. 0.12", GALVANIZED, OR APPROVED EQUAL. INSTALL MIRAFI 140NL FILTER FABRIC OR APPROVED
- (25) INSTALL DRAIN THROUGH LANDSCAPE AREA (SEE DETAIL ON SHEET



GRADING AND DRAINAGE PLAN

IMPROVEMENT PLANS FOR QUEEN CREEK ELEMENTARY SCHOOL #10

DRAWING STATUS 1ST CITY SUBMITTAL SET *11-30-23* 

QUEEN CREEK UNIFIED SCHOOL DISTRICT NO. 95

EX. 2' WALL

Dial 8-1-1 or 1-800-STAKE-IT (782-5348 In Maricopa County: (602) 263-1100

2 - Concrete Single Curb (Onsite 1024.91 LF

21 - Concrete Valley Gutter 134.84 SF **STORM DRAIN CONSTRUCTION NOTES:** 

CONNECT TO DOWNSPOUT WITH SQUARE TO ROUND FITTING. SEE PLUMBING DRAWINGS FOR CONTINUATION.

INSTALL NEW STORM DRAIN CLEANOUT (SEE DETAIL ON SHEET C-2). 3 INSTALL AREA DRAIN (SEE DETAIL ON SHEET C-2).

INSTALL NEW 24" H.D.P.E. STORM DRAIN PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.

5 CONSTRUCT DUAL CHAMBER DRYWELL (SEE DETAIL ON SHEET C-2). 6 INSTALL NEW 18" H.D.P.E. STORM DRAIN PIPE WITH SMOOTH INTERIOR

AND 10.8 P.S.I. JOINTS. 7 INSTALL NEW 12" H.D.P.E. STORM DRAIN PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.

8 INSTALL NEW 10" H.D.P.E. STORM DRAIN PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.

9 INSTALL NEW 8" H.D.P.E. STORM DRAIN PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.

12 INSTALL 24" TO 18" REDUCER.

BUILDING OVERHANG.

13 INSTALL NEW CATCH BASIN (MAG STANDARD DETAIL NO. 537, SINGLE). 14 INSTALL 12" DUCTILE IRON PIPE (PRESSURE CLASS 350) UNDER

15 INSTALL 36" H.D.P.E. STORM DRAIN PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.

16 CONSTRUCT HEADWALL (MAG STANDARD DETAIL NO.'S 501-1 AND 501-2). INSTALL HANDRAIL ON HEADWALL (MAG STANDARD DETAIL NO. 145, TYPE 1). HEADWALL DETAIL SHALL BE MODIFIED SO THAT THERE IS ONE FOOT SEPARATION BETWEEN THE 36" PIPES FROM OUTSIDE DIAMETER TO OUTSIDE DIAMETER (L5=4'-6"). INSTALL TRASH RACK ON HEADWALL (CITY OF PHOENIX STANDARD DETAIL NO.'S P1562 AND P1563).

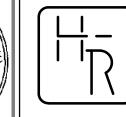
17 CONSTRUCT HEADWALL (MAG STANDARD DETAIL NO.'S 501-1). INSTALL HANDRAIL ON HEADWALL (MAG STANDARD DETAIL NO. 145, TYPE 1). INSTALL TRASH RACK ON HEADWALL (CITY OF PHOENIX STANDARD DETAIL NO.'S P1562 AND P1563).

# **ALTERNATE NO. 1**

CONCRETE SIDEWALK WITHIN THE COURTYARD AREA AND THE WEST SIDE OF THE PROPOSED BUILDINGS MAY BE REPLACED WITH STABILIZED DECOMPOSED GRANITE WALKWAYS IN THE AMOUNT OF A 9,410 SQUARE FOOT AREA. CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT TO DETERMINE IF THE ALTERNATE WILL BE USED IN CONSTRUCTION.

ON-SITE ADJACENT WAYS

# DOUGLAS RAY 2023.11.30 19:44:22-07'



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

S. DRO | DRN. ANM | CKD. DRO | JOB NO. 2302-12

## 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,
- 3 INSTALL A.C. PAVEMENT (2-1/2" A.C. (TYPE 1/2") OVER 7" A.B.C. OVER COMPACTED SUBGRADE) IN HEAVY TRAFFIC AREAS.
- 4) INSTALL A.C. PAVEMENT (2" A.C. (TYPE 1/2") OVER 7" A.B.C. OVER COMPACTED SUBGRADE) IN PARKING AND LIGHT TRAFFIC AREAS.
- INSTALL CONCRETE SIDEWALK (MAG STANDARD DETAIL NO. 230). SEE ARCHITECTURAL DRAWINGS FOR SCORING AND FINISH.
- (6) INSTALL CONCRETE SPLASHPAD (SEE DETAIL ON SHEET C-2).
- CONSTRUCT CURB TERMINATION (MAG STANDARD DETAIL NO. 222).
- 8 CONSTRUCT SIDEWALK RAMP, TYPE PER PLAN (SEE DETAIL ON SHEET
- 9 PAINT STRIPE PARKING LOT TO THE ALIGNMENTS INDICATED (INCLUDING ALL DIRECTIONAL ARROWS, CROSSWALKS, PARKING STALLS, HANDICAP
- (10) CONSTRUCT NEW GAGA BALL PIT (SEE PLAYGROUND PLANS FOR DETAILS).
- (11) INSTALL 6' HIGH CHAIN LINK FENCE.

BETWEEN THE LIMITS SHOWN.

- (12) MATCH EXISTING ELEVATION AND LOCATION.
- (13) INSTALL 6" THICK MAG AA CONCRETE (4,000 P.S.I. @ 28 DAYS).
- (14) INSTALL NEW FENCE/GATES (SEE ARCHITECTURAL PLANS FOR DETAILS). (15) INSTALL 18" DEEP BY 6" WIDE CONCRETE SIDEWALK TURNDOWN
- (16) INSTALL ROLL GATE (SEE ARCHITECTURAL PLANS FOR DETAILS).
- (17) INSTALL 12" THICKNESS OF ANGULAR RIP-RAP (D50=6"). COLOR TO MATCH EXISTING. INSTALL MIRAFI 180N FILTER FABRIC BENEATH RIP-RAP.
- (18) INSTALL 6' HIGH BY 10' WIDE CHAIN LINK FENCE DOUBLE SWING GATE.
- (19) CONSTRUCT NEW TRASH ENCLOSURE (SEE ARCHITECTURAL PLANS FOR
- 20 INSTALL HANDICAP PARKING SIGN PER CITY OF MESA STANDARD DETAIL NO. M-23.06. POST AND BASE PER CITY OF MESA STANDARD DETAIL NO. M-39.
- 21) INSTALL CONCRETE VALLEY GUTTER (MAG STANDARD DETAIL NO. 240, WIDTH PER PLAN).
- 22) INSTALL PRECAST SAFETY CURB (MAG STANDARD DETAIL NO. 150, TYPE B-3).
- 23) INSTALL 1-3' X 3' XL GABION BASKET W/ ROCK RIP-RAP D<sub>50</sub>=4.5', MACAFERRI MESH TYPE 8 X 10, WIRE DIA. 0.12", GALVANIZED, OR APPROVED EQUAL.
- (24) INSTALL 6" THICK RENO MATTRESS W/ ROCK RIP-RAP D<sub>50</sub>=3" MACAFERRI MESH TYPE 8 X 10 WIRE DIA. 0.12", GALVANIZED, OR APPROVED EQUAL. INSTALL MIRAFI 140NL FILTER FABRIC OR APPROVED
- 25 INSTALL DRAIN THROUGH LANDSCAPE AREA (SEE DETAIL ON SHEET

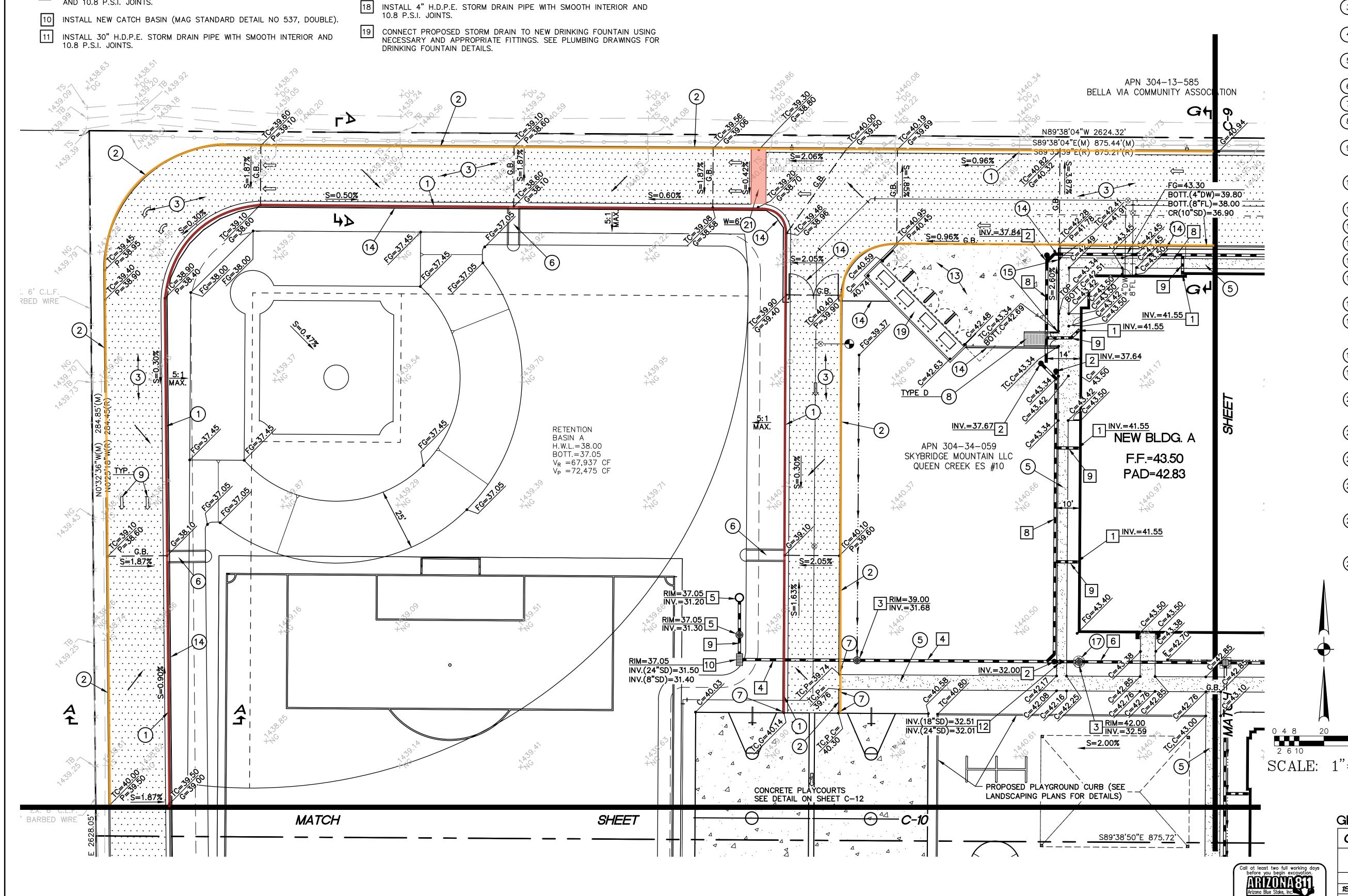
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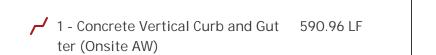
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GRADING AND DRAINAGE PLAN QUEEN CREEK UNIFIED SCHOOL DISTRICT NO. 95

IMPROVEMENT PLANS FOR QUEEN CREEK ELEMENTARY SCHOOL #10

DRAWING STATUS 1ST CITY SUBMITTAL SET C-8 11-30-23





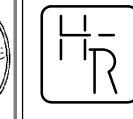
2 - Concrete Single Curb (Onsite A 529.03 LF

21 - Concrete Valley Gutter 337.92 SF 13 INSTALL NEW CATCH BASIN (MAG STANDARD DETAIL NO. 537, SINGLE).

STORM DRAIN CONSTRUCTION NOTES:

# ™ DOUGLAS RAY OSBORN

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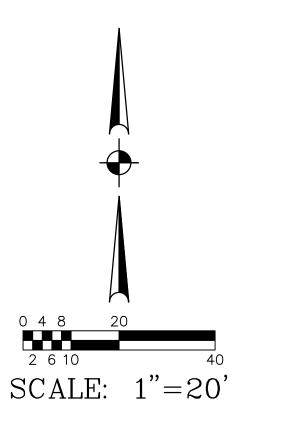


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GRADING AND DRAINAGE PLAN QUEEN CREEK UNIFIED SCHOOL DISTRICT NO. 95

IMPROVEMENT PLANS FOR QUEEN CREEK ELEMENTARY SCHOOL #10

DRAWING STATUS 1ST CITY SUBMITTAL SET C-9 18 DATE: *11-30-23* 

