GRADING AND DRAINAGE CONSTRUCTION NOTES:

1. INSTALL A.C. PAVEMENT (3" A.C. (3/4 INCH) OVER 6" A.B.C. OVER 12" COMPACTED SUBGRADE).
2. INSTALL A.C. PAVEMENT (2.5" A.C. (3/4 INCH) OVER 6" A.B.C. OVER 12" COMPACTED SUBGRADE).
3. CONSTRUCT CONCRETE VERTICAL CURB AND GUTTER (MAG STANDARD DETAIL NO. 220-1, TYPE A).
4. CONSTRUCT CONCRETE SINGLE CURB (MAG STANDARD DETAIL NO. 222, TYPE 'A').
5. CONSTRUCT CONCRETE SIDEWALK (MAG STANDARD DETAIL NO. 230. SEE ARCHITECTURAL DRAWINGS FOR SCORING AND FINISH).
6. [illegible] THE PAINTING OF ALL HANDICAP SYMBOLS AND WAYFINDING, DIRECTIONAL ARROWS, PARKING STALLS, DROP-OFF AREAS, ETC. (TYPICAL)
7. INSTALL HANDICAP PARKING SIGN PER CITY OF BUCKEYE AND ADA REQUIREMENTS. POST AND BASE PER MAG STANDARD DETAIL NO. 131, TYPE 'B'. TOP OF SIGN SHALL BE [illegible] ABOVE GRADE. TYPICAL AT EACH HANDICAP SPACE.
8. PAINT STRIPE FOUR SQUARE COURTS PER DETAIL ON SHEET C-3.
9. CONSTRUCT CONCRETE SPLASHPAD (SEE DETAIL ON SHEET C-3).
10. CONSTRUCT DRAIN THROUGH LANDSCAPED AREA (SEE DETAIL ON SHEET C-3).
11. INSTALL PRECAST SAFETY CURB (MAG STANDARD DETAIL NO 180, TYPE B-3).
12. CONSTRUCT CONCRETE PAVEMENT (7" THICK MAG AA CONCRETE OVER COMPACTED SUBGRADE).
13. CONSTRUCT CONCRETE PLAYCOURT (SEE DETAILS ON SHEET C-[illegible]).
14. PAINT "NO PARKING PARENT DROP-OFF" ON PAVEMENT IN ONE FOOT (1') HIGH BLOCK LETTERS.
15. CONSTRUCT CONCRETE MOUNTABLE CURB AND GUTTER (TYPE E) (MAG STANDARD DETAIL NO. 220-1).
16. CONSTRUCT CURB TRANSITION FROM CONCRETE SINGLE CURB TO MOUNTABLE CURB AND GUTTER (TYPE E) IN 5'.
17. CONSTRUCT CONCRETE VALLEY GUTTER (MAG STANDARD DETAIL NO. 240, [illegible] (SEE PLAN).
18. CONSTRUCT LANDSCAPE CURB (SEE DETAIL ON SHEET C-3).
19. CONSTRUCT SIDEWALK RAMP – TYPE A (SEE DETAIL ON SHEET C-3).
20. CONSTRUCT SIDEWALK RAMP – TYPE B (SEE DETAIL ON SHEET C-3).
21. CONSTRUCT CONCRETE DRIVEWAY (CITY OF BUCKEYE DETAIL [illegible]).
22. INSTALL BARRIER GATE (SEE DETAIL ON SHEET C-3).
23. [illegible] ASSOCIATES FOR OFFSITE IMPROVEMENTS.
24. MATCH EXISTING GRADE.
25. GRANITE PATH AND SEATING AREAS (SEE LANDSCAPE PLANS).
26. BIO-SWALE (SEE LANDSCAPE PLANS).
27. INSTALL 1/4" [illegible] AT 1" ON CENTER.
28. INSTALL "DO NOT ENTER SIGN" MUTCD R5-1 WITH POST AND BASE PER MAG STANDARD DETAIL NO. 131, TYPE 'B'.
29. RETAINING WALL. SEE STRUCTURAL AND LANDSCAPE PLANS.
30. INSTALL [illegible] RAMP TYPE [illegible] (SEE DETAIL ON SHEET C-3).
31. INSTALL CONCRETE CURB TERMINATION (MAG STANDARD DETAIL NO. 222, MODIFIED FOR CURB AND GUTTER WHERE SHOWN). CURB TERMINATION LENGTH (SEE PLAN).
32. TRANSITION CURB FROM FLUSH TO STANDARD CURB HEIGHT (6-INCHES) WITHIN DISTANCE INDICATED PER MAG STANDARD DETAIL [illegible]

PRIVATE DOMESTIC WATER LINE CONSTRUCTION NOTES:

1. INSTALL 6" P.V.C. WATER LINE (C900 TYPE, CLASS 200) WITH DUCTILE IRON BENDS, TEES, FITTINGS, CONCRETE THRUST BLOCKS, ETC.
2. INSTALL 2" REDUCED BACKFLOW PREVENTION ASSEMBLY AND ENCLOSURE PER CITY OF BUCKEYE STANDARD DETAIL [illegible]. INSTALL 4" THICK CLASS "B" CONCRETE PAD FOR ENCLOSURE [illegible]. INSTALL 2" COPPER TYPE K WATER LINE BETWEEN WATER METER AND BACKFLOW PREVENTER. CONNECT TO OFFSITE WATER METER WITH NECESSARY AND APPROPRIATE FITTINGS.
3. INSTALL 6" TO 2" REDUCER.
4. CONNECT TO BUILDING DOMESTIC WATER LINE WITH NECESSARY AND APPROPRIATE FITTINGS. SEE PLUMBING PLANS FOR CONTINUATION.
5. SEE OFFSITE WATER LINE PLANS FOR INSTALLATION OF 2" WATER SERVICES AND 2" WATER METERS.

PRIVATE SANITARY SEWER LINE CONSTRUCTION NOTES:

1. INSTALL 6" P.V.C. SEWER LINE (ASTM D3034, SDR-35).
2. INSTALL SEWER CLEANOUT (SEE DETAIL SHEET C-3).
3. CONNECT TO BUILDING SEWER LINE WITH NECESSARY AND APPROPRIATE FITTINGS. SEE PLUMBING PLANS FOR EXACT LOCATION AND CONTINUATION.
4. CONNECT NEW 6" SEWER LINE TO PROPOSED OFFSITE 8" SEWER LINE WITH NECESSARY AND APPROPRIATE FITTINGS. POTHOLE AND FIELD VERIFY LOCATION AND ELEVATION OF PROPOSED OFFSITE SEWER LINE PRIOR TO THE START OF CONSTRUCTION. SEE OFFSITE IMPROVEMENT PLANS FOR COPPER FALLS.
5. ROTATE WYE TO VERTICAL.

PRIVATE FIRE LINE CONSTRUCTION NOTES:

1. INSTALL 8" P.V.C. (AWWA C-900, DR-18, PRESSURE CLASS 235) WATER LINE WITH DUCTILE IRON BENDS, FITTINGS, CONCRETE THRUST BLOCKS, ETC.
2. INSTALL 8" DOUBLE CHECK VALVE BACKFLOW PREVENTER (CITY OF BUCKEYE STANDARD DETAIL NO. [illegible])
3. SEE FIRE PROTECTION DRAWINGS FOR FIRE DEPARTMENT CONNECTION (FDC).
4. INSTALL 8" GATE VALVE WITH VALVE BOX AND COVER (MAG STANDARD DETAIL NO. 391-1).
5. INSTALL FIRE HYDRANT COMPLETE (MAG STANDARD DETAIL NO. 360-1).
6. CONNECT TO BUILDING FIRE PROTECTION RISER WITH NECESSARY AND APPROPRIATE FITTINGS. SEE FIRE PROTECTION AND PLUMBING DRAWINGS FOR EXACT LOCATION AND CONTINUATION.
7. INSTALL 6" DUCTILE IRON (PRESSURE CLASS 350) WATER LINE.
8. INSTALL 6" GATE VALVE WITH VALVE BOX AND COVER (MAG STANDARD DETAIL NO. 391-1).
9. CONNECT TO EXISTING WATER LINE STUB WITH NECESSARY AND APPROPRIATE FITTINGS. SEE OFFSITE WATER LINE PLANS FOR CONTINUATION.
10. INSTALL 8" TO 6" REDUCER.
11. INSTALL 8" DUCTILE IRON (PRESSURE CLASS 350) WATER LINE.
12. INSTALL 8" TEE.
13. INSTALL 8" X 8" X 8" TEE.
14. INSTALL 8" – 90° BEND.
15. INSTALL 8" – 45° BEND.

STORM DRAIN CONSTRUCTION NOTES:

1. INSTALL SINGLE CATCH BASIN (MAG STANDARD DETAIL NO. 537).
2. INSTALL DOUBLE CATCH BASIN (MAG STANDARD DETAIL NO. 537).
3. INSTALL 4" H.D.P.E. PIPE WITH SMOOTH INTERIOR AND [illegible] JOINTS.
4. INSTALL 12" H.D.P.E. PIPE WITH SMOOTH INTERIOR AND [illegible] JOINTS.
5. INSTALL 18" H.D.P.E. PIPE WITH SMOOTH INTERIOR AND [illegible] JOINTS.
6. INSTALL 24" H.D.P.E. PIPE WITH SMOOTH INTERIOR AND [illegible] JOINTS.
7. INSTALL 30" H.D.P.E. PIPE WITH SMOOTH INTERIOR AND [illegible] JOINTS.
8. INSTALL STORM DRAIN CLEANOUT (SEE DETAIL ON SHEET C-3).
9. INSTALL AREA DRAIN (SEE DETAIL ON SHEET C-3).
10. INSTALL DRYWELL WITH GREASE INTERCEPTOR (CITY OF BUCKEYE STANDARD DETAIL NO. [illegible])
11. INSTALL CURB OPENING CATCH BASIN (BUCKEYE STANDARD DETAIL NO. [illegible]) LENGTH PER PLAN.
12. INSTALL BUBBLE UP STRUCTURE (SEE DETAIL ON SHEET C-3).
13. [illegible]
14. INSTALL STORM DRAIN MANHOLE (MAG STANDARD DETAIL NO 520 & 522).
15. CONNECT TO BUILDING ROOF DRAIN LINE WITH NECESSARY AND APPROPRIATE FITTINGS. SEE PLUMBING DRAWINGS FOR CONTINUATION.
16. [illegible] DRYWELL TO BE INSTALLED ONLY AFTER OBTAINING THE PERCOLATION TEST RESULTS OF THE BASIN.

OFFSITE WATER LINE CONSTRUCTION NOTES:

1. [illegible] REQUIRED BY THE CITY AFTER INSTALLATION OF TAPPING SLEEVE AND VALVE (MAG STANDARD DETAIL NO. 391).
2. INSTALL 2" DOMESTIC WATER METER BOX AND COVER PER CITY OF BUCKEYE STANDARD DETAIL NO. [illegible]
3. INSTALL 2" LANDSCAPE METER BOX AND COVER PER CITY OF BUCKEYE STANDARD DETAIL NO. [illegible]
4. SEE ONSITE PLANS FOR CONTINUATION.
5. INSTALL 8" DUCTILE IRON (PRESSURE CLASS 350) WATER LINE.
6. INSTALL 8" X 8" TAPPING SLEEVE AND 8" GATE VALVE WITH VALVE BOX AND COVER (MAG STANDARD DETAIL NO. 340 AND 391-1). VERTICALLY REALIGN DOWNWARD TO PROVIDE MINIMUM COVER REQUIRED BY THE CITY AFTER INSTALLATION OF TAPPING SLEEVE AND VALVE (MAG STANDARD DETAIL NO. 391).
7. POTHOLE AND FIELD VERIFY LOCATION AND ELEVATION OF EXISTING SEWER LINE PRIOR TO THE START OF CONSTRUCTION. PROTECT FROM [illegible]
8. INSTALL 2" DOMESTIC WATER SERVICE (CITY OF BUCKEYE STANDARD DETAIL NO. [illegible]).
9. INSTALL 2" LANDSCAPE WATER SERVICE (CITY OF BUCKEYE STANDARD DETAIL NO. [illegible]).

IRRIGATION NOTES:

1. EXISTING [illegible] CONCRETE DITCH TO BE REMOVED. BACKFILL AND COMPACT WITH NATIVE SOIL.
2. REMOVE EXISTING IRRIGATION PIPE AND/OR STRUCTURE.
3. CONNECT TO EXISTING FLOOD IRRIGATION PIPE WITH CONCRETE COLLAR PER MAG STANDARD DETAIL 505.
4. [illegible] COVER.
5. CAP AND MARK LOCATION AT PROPERTY LINE.

BALLFIELD CONSTRUCTION NOTES:

1. [illegible] (SEE DETAIL ON SHEET C-3). INSTALL 10" WIDE BY 6" DEEP CONCRETE CURB BENEATH FENCE. TOP OF CURB TO BE 1" ABOVE FINISHED GRADE. FOR REFERENCE ONLY AND MUST BE SUBMITTED TO BUILDING SAFETY FOR REVIEW, APPROVAL, PERMIT AND INSPECTION.
2. INSTALL 8-FOOT HIGH CHAIN LINK FENCE WITH 6" WIDE BY 6" DEEP CONCRETE CURB BENEATH FENCE. TOP OF CURB TO BE 1" ABOVE [illegible]
3. INSTALL CHAIN LINK FENCE DUGOUT WITH CONCRETE FLOOR (SEE ARCHITECTURAL DRAWINGS FOR DETAILS).
4. INSTALL HOME PLATE, SCHUTT HOLLYWOOD BURY ALL HOME PLATE [illegible] OR ENGINEER APPROVED EQUAL (SEE DETAIL ON SHEET C-3).
5. INSTALL BASE, SCHUTT BASES ORIGINAL JACK CORBETT HOLLYWOOD BASE W/ANCHORS, SCHUTT ANCHOR PLUG W/COLORED INDICATORS OR APPROVED EQUAL (SEE DETAIL ON SHEET C-3).
6. INSTALL PITCHING RUBBER, SCHUTT 4-SIDED PROFESSIONAL PITCHING RUBBER [illegible] OR ENGINEER APPROVED EQUAL (SEE DETAIL ON SHEET C-3).
7. CONSTRUCT PITCHERS MOUND (SEE DETAIL ON SHEET C-3).
8. INSTALL 4" THICK INFIELD MIX, STABILIZER PRO PER INFIELD MIX BY [illegible] SOLUTIONS OR EQUAL APPROVED BY THE ENGINEER.
9. INSTALL 6-FOOT HIGH BY THREE FOOT (3') WIDE CHAIN LINK GATE.

OFFSITE PAVING CONSTRUCTION NOTES:

1. CONSTRUCT ASPHALTIC CONCRETE PAVEMENT 1.5" (1/2" A.C.) OVER 2.5" (3/4" A.C.) OVER 12" A.B.C. OVER COMPACTED SUBGRADE.
2. CONSTRUCT VERTICAL CURB AND GUTTER (MAG STANDARD DETAIL NO 220-1, TYPE A).
3. CONSTRUCT PAVEMENT SECTION AT TERMINATION (MAG STANDARD DETAIL NO. 201, TYPE 'A').
4. INSTALL 6' WIDE SIDEWALK (MAG STANDARD DETAIL NO. 230).
5. MATCH EXISTING PAVEMENT OR CONCRETE ELEVATION AND LOCATION. SAWCUT EXISTING A.C. PAVEMENT [illegible] TO PROVIDE A [illegible] AND CLEAN EDGE FOR MATCHING. A.C. JOINT SHALL BE SEALED.
6. CONSTRUCT [illegible] WIDE DRIVEWAY ENTRANCE (CITY OF BUCKEYE STANDARD DETAIL [illegible]).
7. INSTALL SIDEWALK RAMP (MAG STANDARD DETAIL NO. 235-2) AND CITY OF BUCKEYE STANDARD DETAIL NO. [illegible]
8. INSTALL CATCH BASIN (CITY OF BUCKEYE STANDARD DETAIL NO.S B-[illegible] AND B-[illegible]).
9. [illegible] R.C.P. DRAINAGE PIPE. SEE OFFSITE PLANS.
10. REMOVE EXISTING CONCRETE IRRIGATION DITCH.
11. REMOVE EXISTING SIGN AND FOOTINGS.
12. REMOVE EXISTING CONCRETE VERTICAL CURB, GUTTER AND SIDEWALK. RESTORE LANDSCAPING TO ORIGINAL OR BETTER CONDITION.
13. REMOVE EXISTING CONCRETE IRRIGATION HEADWALLS, CONCRETE PIPE AND CONCRETE PAVEMENT.
14. EXISTING 12" DUCTILE IRON PIPE TO REMAIN AND BE PROTECTED FROM DAMAGE.
15. INSTALL 6" THICKNESS OF COMPACTED A.B.C. INSTALL IN (2)-4" LIFTS, COMPACTED TO [illegible] DENSITY.
16. EXISTING WATER LINE TO REMAIN. PROTECT FROM DAMAGE.
17. INSTALL 20-FOOT WIDE BARRIER GATE WITH KNOX BOX (CITY OF BUCKEYE STANDARD DETAIL NO. [illegible]).
18. [illegible] GRADE AT [illegible] MAXIMUM SLOPE FROM EDGE OF NEW A.B.C. EMERGENCY ACCESS ROAD TO MATCH EXISTING GRADE IN 4'.
19. CONSTRUCT [illegible] WIDE DRIVEWAY ENTRANCE (MAG STANDARD DETAIL NO. 250-1).
20. DELETED
21. DELETED
22. MATCH EXISTING EDGE OF PAVEMENT.
23. EXISTING POWER POLE TO REMAIN, PROTECT FROM DAMAGE.
24. INSTALL PAVEMENT MARKERS FOR FIRE HYDRANTS (MAG STANDARD DETAIL NO. 132).
25. [illegible] OF ROADWAY WITH [illegible] MINIMUM CLEAR OPENING BETWEEN BOULDERS.
26. INSTALL BARRICADE (MAG STANDARD DETAIL NO. 130, TYPE 'B', L=[illegible]).
27. REMOVE EXISTING 12" DUCTILE IRON PIPE.
28. INSTALL 12" DUCTILE IRON (PRESSURE CLASS 350) PIPE. REMOVE AND REPLACE EXISTING CONCRETE V-DITCH [illegible] AT V-DITCH CONNECTION.
29. ADJUST EXISTING WATER VALVES TO FINISH GRADES. (MAG STANDARD DETAIL NO. 270 WITH CHAIN ATTACHMENT 1 TYPICAL FOR ALL WATER VALVES.
30. INSTALL 48" CONCRETE STORM DRAIN MANHOLE PER MAG STANDARD DETAIL NOS. 520 AND 522.

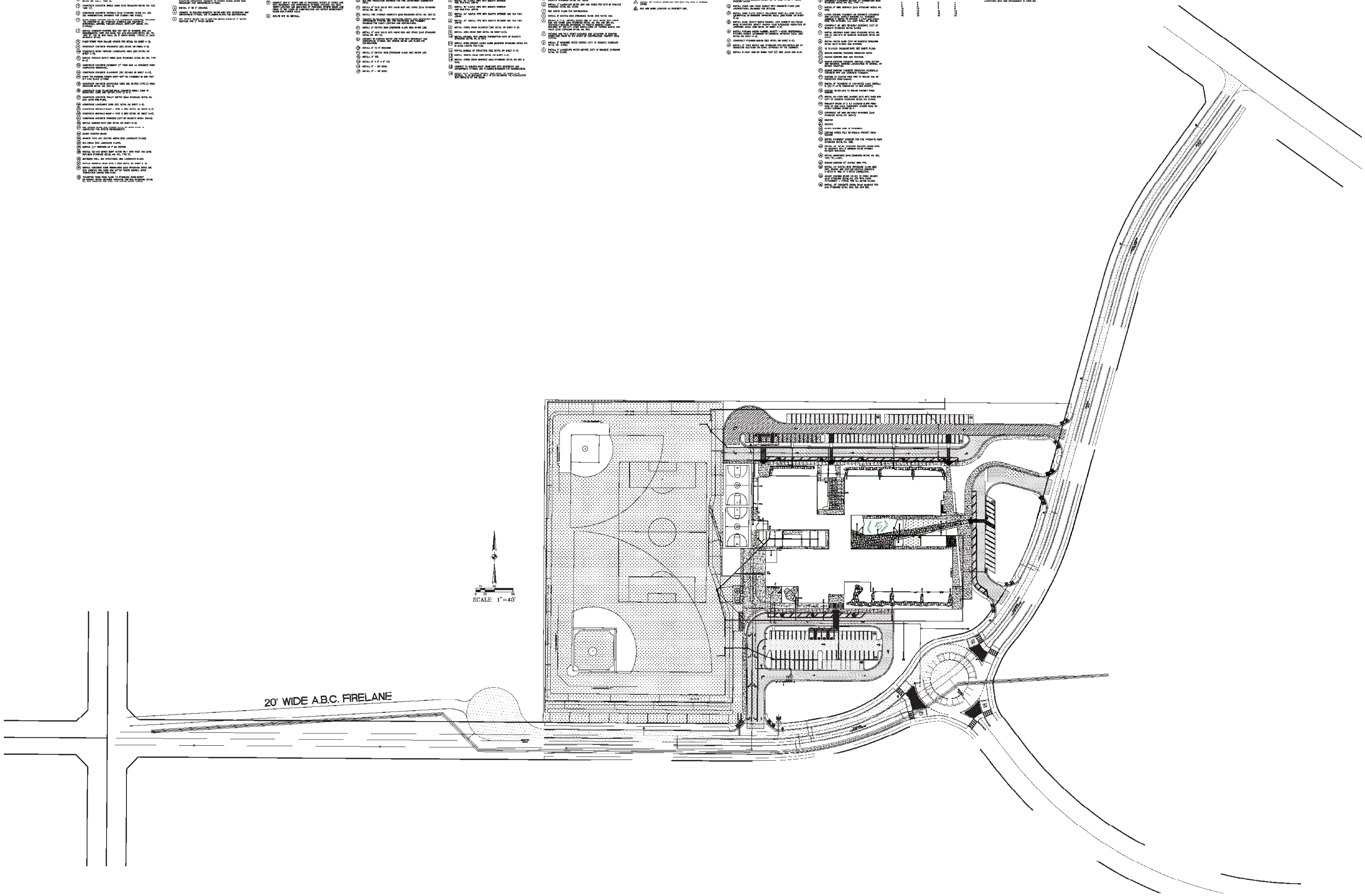
PRIVATE FIRE LINE THRUST BLOCK NOTES:

ALL THRUST BLOCKS SHALL BE CONSTRUCTED OF M.A.G. CLASS B CONCRETE. FOR ALL PRIVATE FIRE LINE THRUST BLOCKS THE AREA OF BEARING FACE SHALL BE PER NFPA-24. THE FOLLOWING CHART IS FROM NFPA-24.

PIPE SIZE (IN.)	90° BEND (SQ.FT.)	45° BEND (SQ.FT.)	TEES, PLUGS, CAPS AND HYDRANTS (SQ.FT.)
[illegible]	[illegible]	[illegible]	[illegible]

UNDERGROUND UTILITY TRACER WIRE NOTES:

ALL NEW UNDERGROUND FACILITIES/UTILITIES SHALL BE INSTALLED WITH A DETECTABLE UNDERGROUND LOCATION DEVICE. INSTALL A [illegible] INSULATED TRACER WIRE SECURELY ATTACHED TO EACH UTILITY AT [illegible]-FEET ON CENTER. [illegible] OF TRACER WIRE SHALL BE ACCESSIBLE ABOVE GRADE AT THE TERMINATION AND SHALL BE SECURELY ATTACHED AT THAT POINT. THE CONTRACTOR SHALL VERIFY WHICH COLOR TO USE FOR STORM DRAIN, WATER, SEWER, ETC. WITH THE CITY OF BUCKEYE AND APPROPRIATE UTILITY COMPANIES. THE CONTRACTOR SHALL INCLUDE ALL COSTS ASSOCIATED WITH THIS REQUIREMENT IN THEIR BID.

NOTE:

ALL NEW UNDERGROUND UTILITIES (WATER, SEWER, FIRE 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.