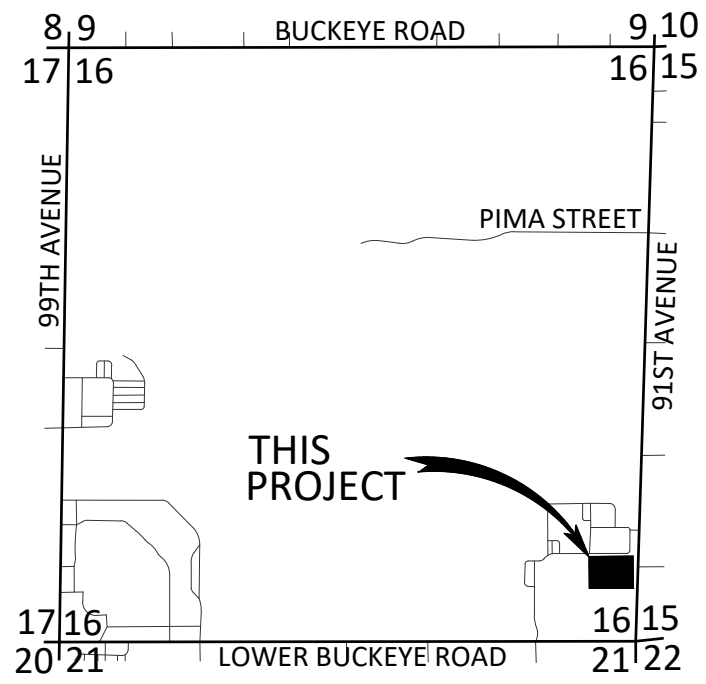
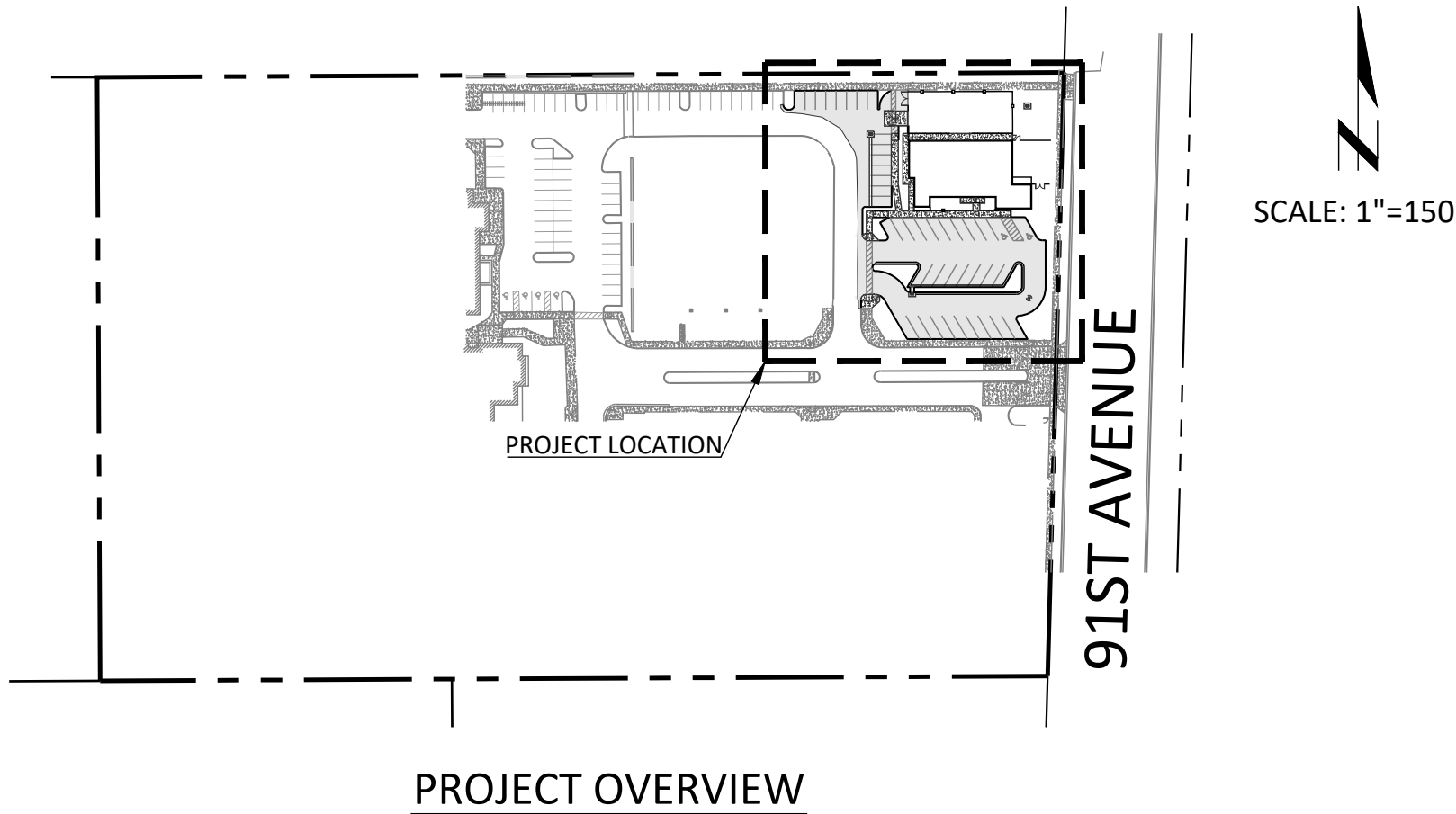


ONSITE UTILITY PLAN for HEAD START - TOLLESON

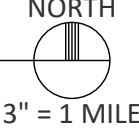
2504 SOUTH 91ST AVENUE PHOENIX, ARIZONA

A PORTION NORTHEAST QUARTER OF SECTION 16, TOWNSHIP 1 NORTH, RANGE 1 EAST OF THE
GILA AND SALT RIVER MERIDIAN, MARICOPA COUNTY, ARIZONA



IN THE SE 1/4 OF THE SE 1/4 OF SECTION 16,
T. 1 N., R. 1 E., G. & S. R. M.,
CITY OF PHOENIX, ARIZONA COUNTY, ARIZONA

LOCATION MAP



PROJECT INFORMATION

SCOPE:
THE PROJECT CONSISTS OF THE CONSTRUCTION OF A NEW SINGLE-STORY
PRESCHOOL BUILDING WITH REQUIRED ONSITE UTILITY IMPROVEMENTS.

ADDRESS:
2504 SOUTH 91ST AVENUE
TOLLESON, ARIZONA 85353

APN: 101-14-007D

ZONING: S-1

AREA
TOTAL: 435,602 SF (10.000 AC)
DISTURBED: 35,416 SF (0.813 AC)

SURVEY NOTES

1. THE SURVEY FOR THIS PROJECT WAS PERFORMED BY:
SUPERIOR SURVEYING SERVICES, INC.
2122 WEST LONE CACTUS DRIVE, SUITE 11
PHOENIX, ARIZONA 85027
PH: 623-869-0223
CONTACT: DAVID S. KLEIN, R.L.S.
2. THE BASIS OF BEARINGS FOR THIS PROJECT IS THE MONUMENT LINE OF LOWER
BUCKEYE ROAD, ALSO BEING THE SOUTH LINE OF THE SOUTHEAST QUARTER OF
SECTION 16, USING A BEARING OF SOUTH 89°43'00" WEST, PER THE PLAT OF THE
HOME DEPOT 91ST AVENUE AND LOWER BUCKEYE, BOOK 958 OF MAPS, PAGE 7,
RECORDS OF MARICOPA COUNTY, ARIZONA.
3. THE BASIS OF ELEVATION FOR THIS PROJECT IS THE CITY OF PHOENIX POINT ID:
19, HAVING A DESCRIBED LOCATION AND ELEVATION AS "SALT RIVER VALLEY
WATER USERS ASSOCIATION BRASS CAP ON EAST SIDE OF IRRIGATION BOX
LOCATED AT THE NORTHWEST CORNER OF INTERSECTION OF 83RD AVENUE AND
LOWER BUCKEYE ROAD". TEMPORARY BENCHMARK ELEVATION = 1003.945',
NGVD29.

BENCHMARK

THE BENCHMARK USED FOR THIS PLAN IS THE CITY OF PHOENIX POINT ID: 19,
HAVING A DESCRIBED LOCATION AND ELEVATION AS "SALT RIVER VALLEY WATER
USERS ASSOCIATION BRASS CAP ON EAST SIDE OF IRRIGATION BOX LOCATED AT THE
NORTHWEST CORNER OF INTERSECTION OF 83RD AVENUE AND LOWER BUCKEYE
ROAD". TEMPORARY BENCHMARK ELEVATION = 1003.945', NGVD29.

LEGAL DESCRIPTION

PART OF THE SOUTHEAST QUARTER OF SECTION 16, TOWNSHIP 1 NORTH, RANGE 1
EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY,
ARIZONA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:
COMMENCING AT THE SOUTHEAST CORNER OF SAID SECTION 16;
THENCE NORTH 01°36'40" EAST, ALONG THE EAST SECTION LINE OF SAID SECTION
16, A DISTANCE OF 760.90 FEET;
THENCE SOUTH 89°45'51" WEST, A DISTANCE OF 33.02 FEET TO THE WEST
RIGHT-OF-WAY LINE OF 91ST AVENUE AND THE TRUE POINT OF BEGINNING;
THENCE CONTINUING SOUTH 89°45'51" WEST, A DISTANCE OF 844.60 FEET;
THENCE NORTH 00°13'48" WEST, A DISTANCE OF 524.18 FEET;
THENCE NORTH 89°45'51" EAST, A DISTANCE OF 861.45 FEET TO THE SAID WEST
RIGHT-OF-WAY LINE OF 91ST AVENUE;
THENCE SOUTH 01°36'40" WEST, A DISTANCE OF 524.45 FEET TO THE TRUE POINT
OF BEGINNING;
EXCEPT THE EAST 22 FEET THEREOF AS CONVEYED TO THE CITY OF PHOENIX BY
QUIT-CLAIM DEED RECORDED IN INSTRUMENT NO. 2005-1552374; AND ALSO
EXCEPT ALL MINERALS, ORES, AND METALS OF EVERY KIND AND CHARACTER AND
ALL COAL, ASPHALTUM, OIL, GASES, FERTILIZERS, FOSSILS, AND OTHER LIKE
SUBSTANCES IN OR UNDER SAID LAND AS RESERVED BY THE STATE OF ARIZONA IN
THE PATENT TO SAID LAND RECORDED IN BOOK 130 OF DEEDS, PAGE 239; AND ALSO
EXCEPT ALL MINERALS, OIL AND GAS, AND HYDROCARBON SUBSTANCES
UNDERLYING SAID LAND AS RESERVED IN DEED RECORDED IN DOCKET 1952, PAGE
192, RECORDS OF MARICOPA COUNTY, ARIZONA.

ENGINEER'S GENERAL UTILITY NOTES

1. EXISTING UTILITY LOCATIONS, AS SHOWN ON THE PLANS, WERE COMPILED AND
ARE PRESENTED BASED UPON PRELIMINARY INFORMATION AVAILABLE TO
CYPRESS CIVIL DEVELOPMENT. UTILITY LOCATIONS AS SHOWN ARE NOT
INTENDED TO BE EXACT OR COMPLETE AND CYPRESS CIVIL DEVELOPMENT DOES
NOT ACCEPT LIABILITY OR RESPONSIBILITY FOR ANY INACCURACIES IN THE
UTILITY LOCATIONS OR ANY UTILITY RELOCATIONS THAT MAY BE NECESSARY.
PRIOR TO EXCAVATION, ARIZONA STATUTES REQUIRE THAT ANYONE WHO
INTENDS TO EXCAVATE MUST PROVIDE TWO FULL WORKING DAYS NOTICE TO
THE OWNERS OF ALL UTILITIES WITHIN THE PROJECT AREA. EXCAVATORS
SHOULD CONTACT "ARIZONA BLUE STAKE" @ 1-800-782-5348 TWO (2) FULL
WORKING DAYS PRIOR TO EXCAVATION. SATURDAYS, SUNDAYS, AND STATE
HOLIDAYS ARE NOT CONSIDERED WORKING DAYS. ALSO BE ADVISED THAT
THERE MAY BE OTHER UTILITIES IN THE PROJECT AREA THAT ARE NOT
MEMBERS OF "ARIZONA BLUE STAKE". THE CONTRACTOR IS RESPONSIBLE TO
POTHOLE ALL UTILITIES (SHOWN OR NOT SHOWN ON THE PLANS) MARKED BY
BLUE STAKE PRIOR TO COMMENCING CONSTRUCTION OPERATIONS.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO UNCOVER ALL EXISTING
WATER AND SEWER LINES BEING CONNECTED TO AND TO VERIFY THE
LOCATIONS, DEPTH, FLOW LINE, ELEVATIONS, AND SIZE OF PIPE BEFORE ANY
CONSTRUCTION BEGINS.
3. ANY CONSTRUCTION PERFORMED WITHOUT THE KNOWLEDGE OF THE
INSPECTOR OR HIS REPRESENTATIVE IS LIABLE FOR REMOVAL AND
REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
4. THE CONTRACTOR SHALL VERIFY FINISHED GRADES AS SHOWN ON THE
APPROVED GRADING AND DRAINAGE PLANS PRIOR TO CONSTRUCTION. THE
CONTRACTOR SHALL ALSO VERIFY THE LOCATION AND INVERT OF THE BUILDING
UTILITIES AS SHOWN ON THE APPROVED PLUMBING PLAN PRIOR TO
CONSTRUCTION.
5. ALL WORK AND MATERIALS WHICH DO NOT CONFORM TO THE SPECIFICATIONS
ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S
EXPENSE.
6. ANY QUESTIONS RAISED RELATIVE TO THE ACCURACY OF IMPROVEMENT
INSTALLATION SHALL BE RAISED PRIOR TO THE COMMENCEMENT OF THE WORK
IN QUESTION.
7. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR, AND EQUIPMENT
TO CONSTRUCT/INSTALL THE IMPROVEMENTS SHOWN ON THESE PLANS
UNLESS SPECIFICALLY NOTED OTHERWISE.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING "AS-BUILT"
DRAWINGS TO THE MUNICIPALITY HAVING JURISDICTION.
9. DIMENSIONS SHOWN ON THESE PLANS ARE FOR REFERENCE ONLY; SEE THE
ARCHITECT'S DIMENSIONED SITE PLAN OR HORIZONTAL CONTROL PLAN FOR
SITE LAYOUT. DO NOT SCALE THESE PLANS.
10. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY DISTURBED OR DAMAGED
PROPERTY INCLUDING CONCRETE, PAVEMENT, LANDSCAPING, AND IRRIGATION
SYSTEMS TO ORIGINAL CONDITION PER MAG SPECIFICATIONS.
11. THE INVERT ELEVATIONS SHOWN ON THESE PLANS HAVE BEEN DESIGNED TO
PROVIDE AT LEAST ONE (1) FOOT OF COVER OVER THE TOP OF THE PIPE
(EXCLUDING EXCLUDING THE PAVEMENT THICKNESS). THE CONTRACTOR IS
RESPONSIBLE FOR FOR PROTECTING THE NEWLY INSTALLED PIPES FROM
DAMAGE CAUSED BY CONSTRUCTION ACTIVITY ON THE SITE PRIOR TO THE
FINAL PAVEMENT SECTION BEING INSTALLED.
12. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE OCCUPATIONAL SAFETY
AND HEALTH ADMINISTRATION REGULATIONS.

ENGINEER'S GENERAL UTILITY NOTES - CON'T

13. THE CONTRACTOR SHALL RETAIN THE SERVICES OF AN INDEPENDENT
GEOTECHNICAL TESTING LABORATORY ACCEPTABLE TO PROVIDE THE
CONSTRUCTION TESTING OF THE PROJECT BEDDING AND BACKFILL. DURING
THE COURSE OF CONSTRUCTION, TEST RESULTS SHALL BE SUBMITTED TO THE
CONTRACTOR AND OWNER WHICH INDICATE IF WORK IS BEING DONE IN
CONFORMANCE WITH THE PLANS AND SPECIFICATIONS.
14. ALL VALVE BOXES, METER BOXES, MANHOLE RIMS, SEWER CLEAN OUT RIMS,
ETC. SHALL BE ADJUSTED TO FINAL FINISHED GRADE PER MAG STANDARD
DETAIL 270 AND 422 PRIOR TO ACCEPTANCE OF THE WORK BY OWNER.
15. ALL NON-METALIC BURIED UTILITY LINES SHALL HAVE #12 AWG COPPER CLAD
STEEL TRACER WIRE WITH 30 MIL (HDPE) INSULATION. SECURELY ATTACH WIRE
TO PIPE AT 8' INTERVALS. SEE WATER LINE TERMINATION DETAIL THIS SHEET.
TRACER WIRE COLORS SHALL BE AS FOLLOWS:
PRIVATE WATER LINE - BLUE
PRIVATE SEWER LINE - GREEN
PRIVATE STORM DRAIN LINE - GREEN
PRIVATE GAS - YELLOW

ENGINEER'S PRIVATE UTILITY NOTES

1. ALL ON-SITE BUILDING SEWER CONNECTION LINES ARE PRIVATE. THE
MATERIALS AND INSTALLATION SHALL BE PER THE REQUIREMENTS OF THE
INTERNATIONAL PLUMBING CODE, LATEST EDITION.
2. ALL ON-SITE DOMESTIC WATER SUPPLY LINES ARE PRIVATE. THE MATERIALS
AND INSTALLATION SHALL BE PER THE REQUIREMENTS OF THE INTERNATIONAL
PLUMBING CODE, LATEST EDITION.
3. COMPACTION, BEDDING, AND BACKFILL SHALL BE PER M.A.G. UNIFORM
STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND THE
RECOMMENDATIONS FOR UTILITY EXCAVATION CONTAINED WITHIN THE
GEOTECHNICAL REPORT.
4. CONTRACTOR SHALL SUBMIT PIPE, FITTING, PIPE TAPPING, VALVE, TESTING,
AND BACKFILL SUBMITTAL TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO
ORDER AND START OF INSTALLATION.
5. WATER PIPING SHALL BE INSTALLED A MINIMUM OF 12" ABOVE THE SEWER AT
CROSSINGS PER IPC SECTION 603.2.
6. CONTRACTOR SHALL TEST ALL SEWER AND WATER PIPING PER IPC SECTIONS
107.2 AND 312 PRIOR TO BACKFILL AND COVER. CALL FOR INSPECTION AND
WITNESS TESTING PRIOR TO CONCEALING WATER AND SEWER PIPING.
7. CONTRACTOR SHALL FLUSH AND DISINFECT ALL POTABLE WATER PIPING PER IPC
SECTION 610 PRIOR TO OCCUPANCY.
8. THE TRANSITION FITTINGS FROM COPPER TO PVC SHALL COMPLY WITH SECTION
605.23 OF THE IPC (2018 EDITION).
9. ALL BACKFLOW PREVENTION ASSEMBLIES SHALL BE APPROVED BY THE
UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS-CONNECTION
CONTROL AND HYDRAULIC RESEARCH.

LEGEND

---	PROJECT RIGHT-OF-WAY	☉	EXISTING SEWER MANHOLE
---	EXISTING RIGHT-OF-WAY	☉	EXISTING SEWER CLEANOUT
---	PROJECT/NEW PROPERTY LINE	☉	EXISTING WATER VALVE
---	EXISTING PROPERTY LINE	☉	EXISTING WATER METER
---	ROADWAY CENTERLINE	☉	EXISTING BACKFLOW PREVENTER
---	FLOW-LINE	☉	EXISTING FIRE HYDRANT
---	EXISTING EASEMENT	☉	EXISTING SIGN
---	NEW EASEMENT	☉	EXISTING SITE LIGHT
---	EXISTING CONTOUR	☉	EXISTING STREET LIGHT
---	NEW CONTOUR	☉	EXISTING ELECTRIC PULL BOX
---	EXISTING CONCRETE	☉	EXISTING COMMUNICATION PULL BOX
---	NEW WALL	☉	EXISTING LIGHT PULL BOX
---	EXISTING CURB	☉	EXISTING UTILITY POLE
---	EXISTING PAINT STRIPE	☉	NEW SEWER CLEANOUT
---	EXISTING FENCE	☉	NEW WATER VALVE
---	NEW CURB	☉	NEW WATER METER
---	NEW PAINT STRIPE	☉	NEW BACKFLOW PREVENTER
---	NEW FENCE	☉	NEW FIRE CONNECTION
---	EXISTING UNDERGROUND ELECTRIC	☉	NEW FIRE BACKFLOW PREVENTER
---	EXISTING COMMUNICATION LINE	☉	NEW DRYWELL
---	EXISTING OVERHEAD ELECTRIC	☉	NEW SITE LIGHT
---	EXISTING IRRIGATION LINE	☉	SURVEY MONUMENT AS NOTED
---	EXISTING SEWER LINE	☉	SPOT ELEV. (EXIST. GRADE)
---	EXISTING WATER LINE	☉	SPOT ELEV. (NEW GRADE)
---	EXISTING FIRE SERVICE	☉	RIGHT-OF-WAY
---	EXISTING GAS LINE	☉	BACK OF CURB
---	NEW STORM DRAIN PIPE	☉	BACK OF SIDEWALK
---	NEW SEWER LINE	☉	PAVEMENT (ASPHALT)
---	NEW WATER LINE	☉	CONCRETE
---	NEW FIRE SERVICE	☉	GUTTER
---		☉	TOP OF CURB
---		☉	FINISHED GRADE
---		☉	LOW POINT
---		☉	HIGH POINT
---		☉	GRADE BREAK
---		☉	FINISHED FLOOR ELEVATION
---		☉	FINISH GRADE HIGH
---		☉	FINISH GRADE LOW
---		☉	PUBLIC UTILITY EASEMENT
---		☉	MATCH EXISTING
---		☉	RIM
---		☉	INVERT
---		☉	LENGTH
---		☉	SLOPE

OWNER/DEVELOPER

CATHOLIC CHARITIES WESTSIDE HEAD START
7400 WEST OLIVE AVENUE
PEORIA, ARIZONA 85345
PH: 602-486-9868
ATTN: YATIN DUA

CIVIL ENGINEER

RICK ENGINEERING
2401 WEST PEORIA AVENUE, #130
PHOENIX, ARIZONA 85029
PH: 602-957-3350
ATTN: JEFF HUNT, PE

ARCHITECT

ARCHITECTURAL RESOURCE TEAM
1055 EAST INDIAN SCHOOL ROAD
PHOENIX, ARIZONA 85014
PH: 602-307-5399
ATTN: TERRI SOLIMAN

UTILITIES

WATER: CITY OF PHOENIX
SEWER: CITY OF PHOENIX
ELECTRIC: SALT RIVER PROJECT
GAS: SOUTHWEST GAS
TELEPHONE: CENTURYLINK
CABLE: COX COMMUNICATIONS

SHEET INDEX

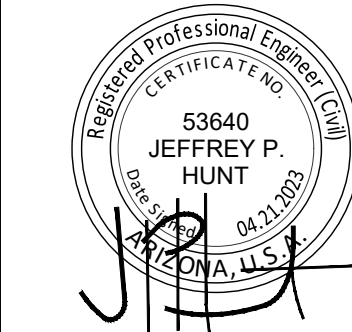
1. COVER SHEET
2. ONSITE UTILITY PLAN

RICK
ENGINEERING COMPANY
2401 W peoria avenue, #130
phoenix, arizona 85029
p: 602.957.3350
e: jhunt@rickengineering.com

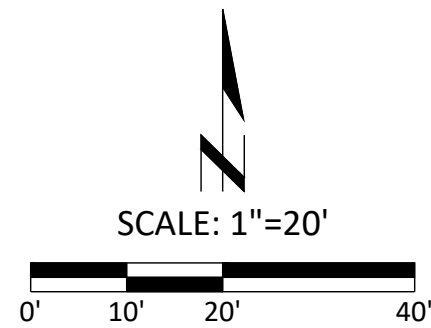
NO.	DATE	REVISION

ONSITE UTILITY PLAN for
HEAD START - TOLLESON
2504 SOUTH 91ST AVENUE PHOENIX, ARIZONA

cover



DRAWN: PT
DESIGNED: JH
CHECKED: JH
DATE: 04-21-2023
JOB NO: 22.152
SHEET NUMBER



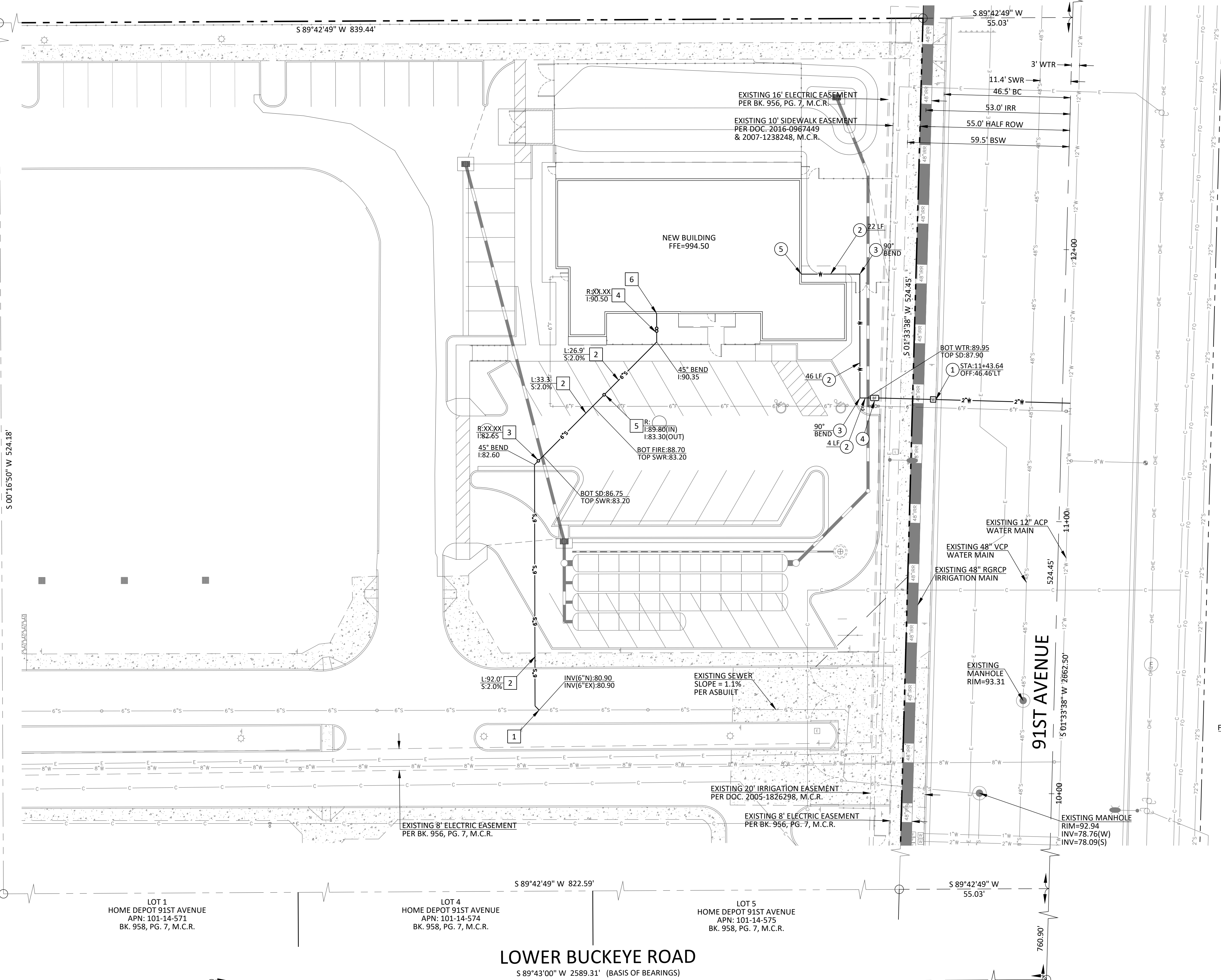
LOT 1
GMS CONCRETE SPECIALISTS
APN: 101-14-577
BK. 1044, PG. 2, M.C.R.

STA:26+62.50
FOUND CITY OF PHOENIX BRASS CAP FLUSH
EAST QUARTER CORNER OF SECTION 16, T1N, R1E

DURANGO STREET

CITY OF PHOENIX
APN: 101-14-005G
2002-1304434, M.C.R.

S 00°15'50" W 524.18'



LOT 1
HOME DEPOT 91ST AVENUE
APN: 101-14-571
BK. 958, PG. 7, M.C.R.

LOT 4
HOME DEPOT 91ST AVENUE
APN: 101-14-574
BK. 958, PG. 7, M.C.R.

LOT 5
HOME DEPOT 91ST AVENUE
APN: 101-14-575
BK. 958, PG. 7, M.C.R.

LOWER BUCKEYE ROAD

S 89°43'00" W 2589.31' (BASIS OF BEARINGS)

FOUND 3" CITY OF PHOENIX BRASS CAP FLUSH
SOUTH QUARTER CORNER OF SECTION 16, T1N, R1E

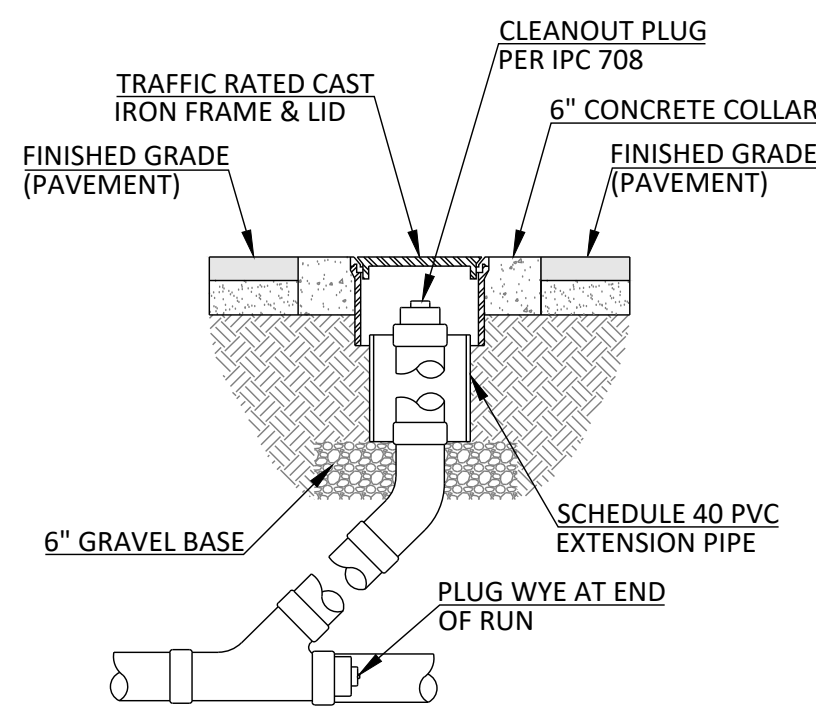
STA:0+00.00 (91ST AVENUE)
CALCULATED POSITION, NOTHING FOUND OR SET
SOUTHEAST CORNER OF SECTION 16, T1N, R1E
ALSO FOUND CITY OF PHOENIX BRASS CAP FLUSH
(N 01°55'06" W 22.03')

PRIVATE SEWER KEYNOTES

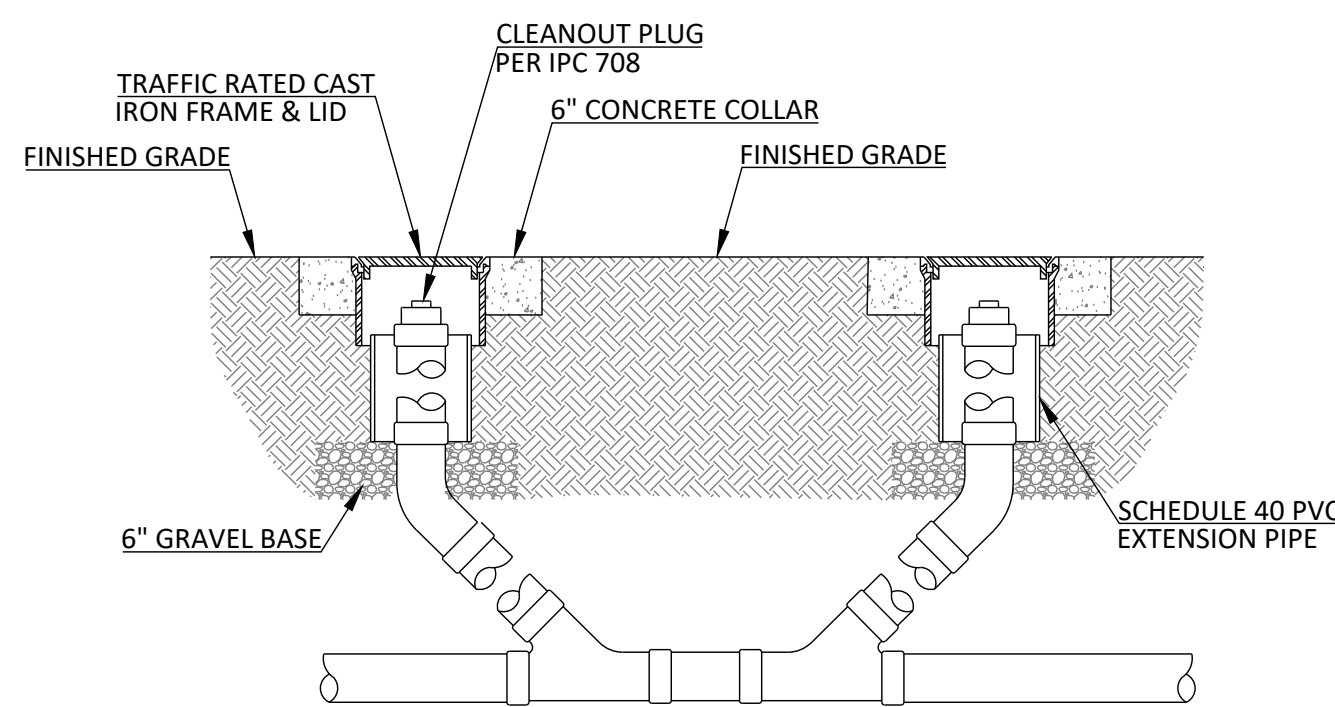
- 1 TAP EXISTING 6" SEWER MAIN. CONTRACTOR TO VERIFY SIZE, LOCATION, INVERT, AND CONDITION PRIOR TO CONSTRUCTION.
- 2 NEW 6" PVC SDR-35 SEWER PIPE. LENGTH AND SLOPE INDICATED ON PLAN. INSTALL TRACER WIRE PER GENERAL UTILITY NOTE 15, SHEET 1.
- 3 NEW ONE-WAY SEWER CLEAN OUT PER DETAIL A, THIS SHEET. RIM AND INVERT INDICATED ON PLAN. CONTRACTOR TO ADJUST RIM TO FINAL GRADE.
- 4 NEW TWO-WAY SEWER CLEAN OUT PER DETAIL B, THIS SHEET. RIM AND INVERT INDICATED ON PLAN. CONTRACTOR TO ADJUST RIM TO FINAL GRADE.
- 5 NEW DROP SEWER CLEAN OUT PER DETAIL C, THIS SHEET. RIM AND INVERT INDICATED ON PLAN. CONTRACTOR TO ADJUST RIM TO FINAL GRADE.
- 6 CONNECT TO BUILDING SANITARY SEWER PER PLUMBING PLANS. CONTRACTOR TO VERIFY TIE-IN LOCATION AND INVERT PRIOR TO CONSTRUCTION.

PRIVATE WATER KEYNOTES

- 1 NEW 2" WATER SERVICE AND METER PER CITY OF PHOENIX DETAIL P1342. CONNECT TO FOR DOMESTIC WATER SERVICE.
- 2 NEW 2" PVC (SCHEDULE 80) WATER LINE. ALL PIPE AND FITTINGS SHALL BE NSF61 COMPLIANT. 36" MINIMUM COVER. LENGTH INDICATED ON PLAN.
- 3 NEW PVC (SCHEDULE 80) FITTING. ALL PIPE AND FITTINGS SHALL BE NSF61 COMPLIANT. ANGLE AND SIZE INDICATED ON PLAN.
- 4 NEW 2" NSF61 COMPLIANT BACKFLOW PREVENTER IN LOCKABLE STEEL ENCLOSURE. INSTALL PER CITY OF PHOENIX DETAIL P1354 AND MANUFACTURER SPECIFICATIONS.
- 5 CONNECT TO BUILDING PER PLUMBING PLANS. CONTRACTOR TO VERIFY SIZE AND LOCATION PRIOR TO CONSTRUCTION.



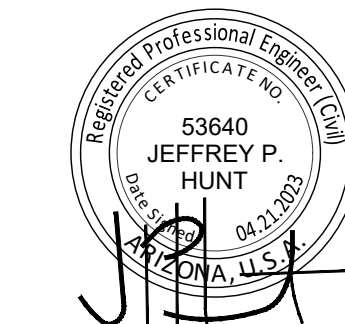
A ONE-WAY CLEAN OUT
SCALE: N.T.S.



B TWO-WAY CLEAN OUT
SCALE: N.T.S.

RICK
ENGINEERING COMPANY
2401 W Peoria Avenue #130
Phoenix, Arizona 85029
P: 602.957.3350
E: jhunt@rickengineering.com

ONSITE UTILITY PLAN for
HEAD START - TOLLESON
2504 SOUTH 91ST AVENUE PHOENIX, ARIZONA
onsite utility plan



DRAWN: PT
DESIGNED: JH
CHECKED: JH
DATE: 04-21-2023
JOB NO: 22.152
SHEET NUMBER

KIVA: XX-XXXX
SDEV: XXXXXXXX
PAPP: XXXXXXXX
Q.S.: XX-XX