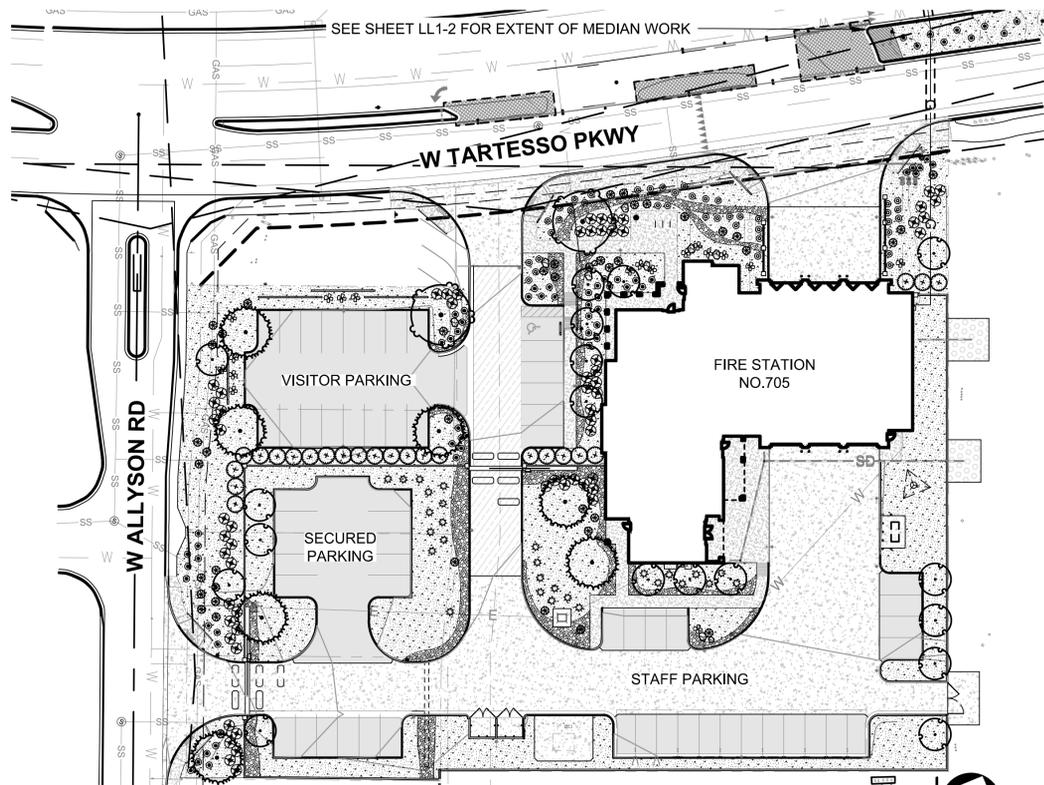
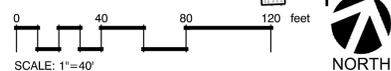


BUCKEYE FIRE STATION #705 - PHASE 1

30551 W TARTESSO PWKY
BUCKEYE, 85396, AZ



OVERALL PLAN



PROJECT TEAM

OWNER / DEVELOPER

CITY OF BUCKEYE
21699 W. YUMA RD. SUITE 100
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BOB COSTELLO, FIRE CHIEF
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CIVIL DESIGN SOLUTIONS, LLC
10910 WEST PALM LN
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BILL GASQUE | 408.205.8434
BGASQUE@CDSELLC-AZ.NET

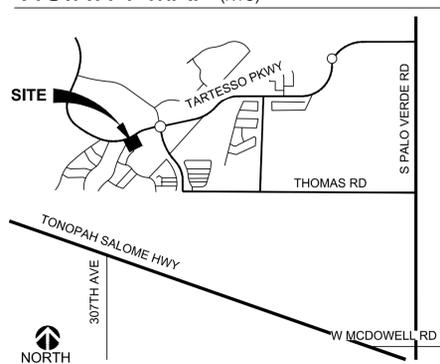
ARCHITECT

PERLMAN ARCHITECTS OF ARIZONA, INC.
4808 NORTH 24TH STREET, SUITE 100
PHOENIX, ARIZONA 85016
KEN POWERS | 480.951.3045
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LANDSCAPE ARCHITECT

LOGAN SIMPSON
51W. 3RD STREET, SUITE 450
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JERRY MOAR | 480.967.1343
JMOAR@LOGANSIMPSON.COM

VICINITY MAP (NTS)



PHASE ONE - LANDSCAPE SCHEDULE

TREES	QTY	BOTANICAL / COMMON NAME	CONT
	18	ACACIA ANEURA MULGA	24" BOX SINGLE TRUNK
	2	PISTACIA HYBRID 'RED PUSH' RED PUSH PISTACHE	24" BOX SINGLE TRUNK
	7	QUERCUS FUSIFORMIS 'JOAN LIONETTI' JOAN LIONETTI LIVE OAK	24" BOX SINGLE TRUNK
SHRUBS	QTY	BOTANICAL / COMMON NAME	CONT
	18	ALOE VERA MEDICINAL ALOE	5 GAL
	42	DASYLIION WHEELERI DESERT SPOON	5 GAL
	24	DODONAEA VISCOSA HOP BUSH	5 GAL
	61	LEUCOPHYLLUM LANGMANIAE 'LYNN'S LEGACY' LYNN'S LEGACY TEXAS RANGER	5 GAL
GROUNDCOVERS	QTY	BOTANICAL / COMMON NAME	CONT
	28	ACACIA REDOLENS 'DESERT CARPET' TM BANK CATCLAW	1 GAL
	40	LANTANA MONTEVIDENSIS PURPLE TRAILING LANTANA	1 GAL
	62	LANTANA X 'NEW GOLD' NEW GOLD LANTANA	1 GAL

INNERT MATERIAL	QTY	DESCRIPTION	SIZE
	2	SMALL BOULDER SURFACE SELECT	1 TON
	8	LARGE BOULDER SURFACE SELECT	2 TON 3'X4'X3'
	36,905 SF	DECOMPOSED GRANITE COLOR TO MATCH EXISTING	2" SCREENED, 2" DEEP, MIN.
	3,137 SF	ANGULAR ROCK COLOR TO MATCH EXISTING	3"-6" SCREENED, 6" DEEP, MIN

NOTES:

- RIP-RAP SHOWN ON CIVIL SHEETS IS NOT PART OF THE LANDSCAPE SCHEDULE QUANTITIES. COLOR OF RIP-RAP SHALL MATCH ANGULAR ROCK.
- D.G. QUANTITY INCLUDES MEDIAN IMPROVEMENTS.

PROJECT INFO:

TOTAL LANDSCAPE AREA-	REQUIRED: 20% (18,761SF) PROVIDED: 35% (33,462SF)
TREES-	REQUIRED: 40% (7,505SF) PROVIDED: 41% (7,808SF)
OTHER PLANTINGS- (10GAL TOTAL FOR EACH 50SF)	REQUIRED: 60% (11,256SF) OR REQUIRED: 451 - 5GAL PLANTS PROVIDED: 266 - 5GAL PLANTS

PARKING LOT LANDSCAPE- REQUIRED: 10%
PROVIDED: 10.6%

DISCLAIMER:

THE CITY APPROVES THESE PLANS FOR CONCEPT ONLY AND ACCEPTS NO LIABILITY FOR ERRORS AND OMISSIONS.

CITY OF BUCKEYE S.V.T./S.D.L. APPROVAL	
CITY ENGINEER	DATE
CITY OF BUCKEYE PLANNING APPROVAL	
DEVELOPMENT SERVICE DIRECTOR	DATE

PROJECT NARRATIVE

THE CITY OF BUCKEYE IS DEVELOPING A NEW 3-BAY FIRE STATION NO. 705 (THE PROJECT) LOCATED ON THE SOUTHEAST CORNER OF WEST TARTESSO PARKWAY AND WEST ALLYSON IN BUCKEYE, ARIZONA. ON-SITE IMPROVEMENTS ASSOCIATED WITH THE PROJECT INCLUDE STAFF AND VISITOR PARKING, LANDSCAPE, AND RETENTION AREAS. THE OVERALL LANDSCAPE APPROACH WILL BE TO DEVELOP AN ATTRACTIVE ENVIRONMENT WITH PLANT MATERIAL THAT IS CONTEXTUAL TO THE CITY OF BUCKEYE. THE PLANT PALETTE IS AESTHETICALLY PLEASING, LOW ALLERGENIC, AND SUSTAINABLE IN A LOW DESERT ENVIRONMENT. ALL PLANT MATERIAL WILL BE DESIGNED TO BE VISIBLY CLEAR OF VEHICULAR ENTRY/EXITS. DENSER PLANTING AREAS WILL BE LOCATED TO SCREEN SERVICE AND PARKING AREAS FROM THE STREET. THE LANDSCAPE DESIGN WILL INCLUDE THE OFF-SITE IMPROVEMENTS WITHIN THE RIGHT-OF-WAY AND CONNECTING DRIVES.

GENERAL LANDSCAPE NOTES

GENERAL INFORMATION:

- ALL PLANT MATERIAL SHALL HAVE A ONE YEAR WARRANTY FROM OWNER'S ACCEPTANCE DATE OF SUBSTANTIAL COMPLETION.
- PLANT ESTABLISHMENT BY THE CONTRACTOR SHALL BE FOR 90 DAYS, BEGINNING ON START ON DATE OF SUBSTANTIAL COMPLETION OF LANDSCAPING. MAINTENANCE SHALL CONSIST OF MAINTAINING ALL WORK INSTALLED UNDER CONTRACT AND MONITORING THE WATERING SYSTEM (INCLUDING IF INSTALLED BY OTHERS). AFTER 90 DAYS THE CONTRACTOR SHALL NOTIFY THE OWNER REPRESENTATIVE FOR A SITE INSPECTION. UPON ACCEPTANCE OF PLANTS AND MAINTENANCE, THE OWNER ASSUMES MAINTENANCE RESPONSIBILITIES. PROJECT WARRANTY REMAINS IN EFFECT FOR 1 YEAR FROM DATE OF SUBSTANTIAL COMPLETION ACCEPTANCE.
- PRIOR TO COMMENCEMENT OF ANY WORK, DETERMINE LOCATION OF ALL UNDERGROUND UTILITIES THROUGH 'BLUE STAKE' OR OTHER METHOD AND PERFORM WORK IN A MANNER WHICH WILL AVOID POSSIBLE DAMAGE. HAND EXCAVATE, AS REQUIRED. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES CAUSED AS A RESULT OF HIS WORK.
- ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE REPAIRED TO ITS ORIGINAL CONDITION WHEN NO LANDSCAPE IMPROVEMENTS ARE SHOWN ON THE PLANS. VERIFY TREATMENT WITH THE OWNER'S REPRESENTATIVE PRIOR TO IMPLEMENTATION.

FINISH GRADE / LANDSCAPE PREPARATION

- SITE GRADING NECESSITATED BY THE WORK AS IT PROGRESSES AND NOT SPECIFICALLY CALLED OUT ON THE PLANS WILL BE CONSIDERED INCIDENTAL WORK.
- CONTRACTOR SHALL INSPECT SUBGRADES PREPARED BY OTHERS PRIOR TO COMMENCING WITH CONTRACTED LANDSCAPING OR IRRIGATION ACTIVITIES. ADVISE OWNER'S REPRESENTATIVE OF DISCREPANCIES WITH DRAWINGS OR TECHNICAL SPECIFICATIONS. ALL PLANTING AREAS SHALL BE LEFT FREE OF CONSTRUCTION DEBRIS AND/OR TOXIC MATERIAL AND SUBGRADED TO A LEVEL TO PERMIT LANDSCAPE CONSTRUCTION. TRENCHES OR OTHER FILLED EXCAVATIONS SHALL BE COMPACTED PRIOR TO LANDSCAPE INSTALLATION.
- ALL TEMPORARY CONSTRUCTION ROADS AND COMPACTED AREAS DEVELOPED THAT ARE WITHIN THE LANDSCAPE AREAS SHALL BE SCARIFIED AND LOOSENED THEN WATER-SETTLED TO A DEPTH OF 12" PRIOR TO BEGINNING LANDSCAPE AND IRRIGATION WORK.
- ALL SUBGRADE SURFACES SHALL BE RAKED OR GROOMED UNIFORMLY TO CONFORM TO THE TYPICAL SECTIONS OF PROPOSED GRADES PRIOR TO THE PLACEMENT OF INERT MATERIALS. SUBGRADE SURFACES SHALL BE REASONABLY SMOOTH, COMPACTED, AND FREE OF IRREGULAR DRAINAGE INCONSISTENCIES (SUBGRADE FORM SHALL MATCH FINISH GRADE FORMS). THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FINISH GRADE AND SHALL BEAR FINAL RESPONSIBILITY FOR PROPER SURFACE DRAINAGE OF PLANTED AREAS. FINISH GRADES SHALL MATCH ENGINEERS PLANS AND SPECIFICATIONS.
- ALL VALVES, CLEAN-OUTS, METERS, AND BOXES (INCLUDING IRRIGATION) SHALL BE ADJUSTED TO FINISH GRADE AND SHALL BE INCIDENTAL TO CONSTRUCTION WORK.
- FINISH GRADE FOR PLANTED AREAS SHALL BE PER THE DETAILS WITH SMOOTH EVEN LINES AT EDGES OF STRUCTURES.
- FINISH GRADE IF NOT SPECIFIED ON THE PROJECTS'S GRADING PLANS SHALL SLOPE AT A 2% GRADE AWAY FROM CURBS, WALKS, AND WALLS FOR MINIMUM OF 10 FEET.

PLANTING

- ALL PLANT MATERIAL AND SPECIFICATIONS TO CONFORM TO THE ARIZONA NURSERY ASSOCIATION STANDARDS UNLESS OTHERWISE NOTED. THE OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO REFUSE PLANT MATERIAL NOT MATCHING THE STANDARD FOR SIZE, HEALTH, AND FORM.

THE CONTRACTOR SHALL VERIFY THE LOCATION OF THE EXISTING UTILITY LINES BEFORE PROCEEDING WITH CONSTRUCTION.

ALL LANDSCAPE SHALL BE COMPLETE AND APPROVED BY STAFF PRIOR TO ISSUANCE OF CERTIFICATE OF OCCUPANCY.

AT ALL TIMES LANDSCAPE PLANS AND GRADING AND DRAINAGE PLANS SHALL CONCUR.

- DO NOT MAKE SUBSTITUTIONS; IF SPECIFIED LANDSCAPE MATERIAL IS NON-OBTAINABLE, SUBMIT PROOF OF NON-AVAILABILITY FROM AT LEAST FIVE SUPPLIERS TO OWNER'S REPRESENTATIVE, TOGETHER WITH A PROPOSAL FOR SUBSTITUTION OF EQUIVALENT MATERIAL FOR ACCEPTANCE.
 - LAYOUT INDIVIDUAL TREE AND PLANT LOCATIONS AND AREAS FOR MULTIPLE PLANTINGS, STAKE LOCATIONS AND OUTLINE AREAS AND SECURE OWNER'S REPRESENTATIVE ACCEPTANCE BEFORE START OF PLANTING WORK. MAKE MINOR ADJUSTMENTS AS MAY BE DIRECTED.
 - PLANT QUANTITIES LISTED IN THE LANDSCAPE SCHEDULE ARE FOR THE CONVENIENCE OF THE CONTRACTOR. IN THE CASE OF ANY DISCREPANCIES, PLANS SHALL OVERRIDE THE LANDSCAPE AND BID SCHEDULE QUANTITIES. CONTRACTOR SHALL VERIFY QUANTITIES SHOWN ON THE PLANS AND BASE THEIR BID ACCORDINGLY.
 - EXCAVATE PLANTING PITS, AS SHOWN ON THE DRAWINGS AND SCHEDULES. LOOSEN HARD SUBSOIL IN BOTTOM OF EXCAVATION. TEST DRAINAGE OF TREE, SHRUB AND PLANT PITS BY FILLING WITH WATER TWICE IN SUCCESSION. CONDITIONS PERMITTING THE RETENTION OF WATER IN PLANTING PITS FOR MORE THAN TWENTY-FOUR (24) HOURS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. DRAINAGE CHIMNEY WHEN AUTHORIZED, IF PLANT PIT DOES NOT DRAIN WITHIN 24 HOURS, THEN DRILL ONE (1) 6" DIAMETER X 24" DEEP HOLE. AT EDGE OF EXCAVATED PIT, RE-TEST PERCOLATION PER SPECIFICATIONS, CERTIFY PERCOLATION AND FILL HOLE WITH PEA GRAVEL. COORDINATE LOCATION WITH TREE STAKES.
 - IF ROCK, UNDERGROUND CONSTRUCTION, ADVERSE DRAINAGE CONDITIONS, OR OTHER OBSTRUCTIONS ARE ENCOUNTERED IN EXCAVATION FOR PLANTING OF TREES, SHRUBS, OR PLANTS NOTIFY OWNER'S REPRESENTATIVE. NEW LOCATIONS MAY BE DETERMINED, OR INSTRUCTIONS MAY BE ISSUED TO DIRECT REMOVAL OF OBSTRUCTION. PROCEED WITH WORK ONLY AFTER APPROVAL OF OWNER'S REPRESENTATIVE.
 - ALL PLANT BACKFILL MIXES SHALL BE AMENDED AS DESCRIBED ON THE LANDSCAPE DRAWING DETAILS, UNLESS SUPERCEDED BY SPECIFIC SOIL TESTING AND OR LANDSCAPE SPECIFICATIONS. BACKFILL MIX SHALL BE PLACED IN 6" LIFTS AND TAMPED INTO PLACE TO OBTAIN COMPACTION. NO TRANSPANTING SHALL BE DONE WHEN SOIL IS EXCESSIVELY WET. DO NOT COUNTERSINK AROUND CACTI OR SUCCULENTS. PROVIDE POSITIVE DRAINAGE AWAY FROM PLANT.
 - ALL SHRUBS SHALL HAVE A FULL HEAD THAT COVERS THE CAN DIAMETER (CAN FULL) AND A MINIMUM OF THREE STEMS/BRANCHES.
 - PLANT BACKFILL MIX SHALL CONFORM TO LANDSCAPE DETAIL NOTES, UNLESS OTHERWISE SPECIFIED.
 - FERTILIZER TABLETS SHALL BE AGRIFORM (21 GRAM 20-10-5) OR EQUAL. QUANTITY OF TABLETS SHALL BE PLACED 1/2 THE DEPTH OF THE ROOTBALL AT THE FOLLOWING RATE:
 - 1 TABLET PER 1 GALLON CONTAINER
 - 2 TABLETS PER 5 GALLON CONTAINER
 - 3 TABLETS PER 15 GALLON CONTAINER
 - 4 TABLETS PER 24" BOX
 - AT A RATE OF 1 TABLET PER EACH ADDITIONAL 6" BOX SIZE.
- WHEN MULTIPLE QUANTITIES OF TABLETS ARE REQUIRED THEY SHALL BE EQUALLY SPACED AT THE SPECIFIED DEPTH.

SHEET INDEX

LC0-1	LANDSCAPE COVER
LL1-1	LANDSCAPE PLAN
LL1-2	LANDSCAPE MEDIAN PLAN
LL2-1	LANDSCAPE DETAILS
LI1-1	IRRIGATION PLAN
LI2-1	IRRIGATION DETAILS



LOGAN SIMPSON
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Seal



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Rev	Date	By	Description
1	07/25	CITY	PERMIT REVIEW COMMENTS
2	08/12	CITY	PERMIT REVIEW COMMENTS

City of Buckeye
Fire Station No. 705
30551 W. Tartesso Pkwy.
Buckeye, AZ 85396
LANDSCAPE COVER

Drawn/Checked By MP / JM

Date 07-25-19

Project Number 318009

Sheet Number

LC0-1

1 OF 6

Seal



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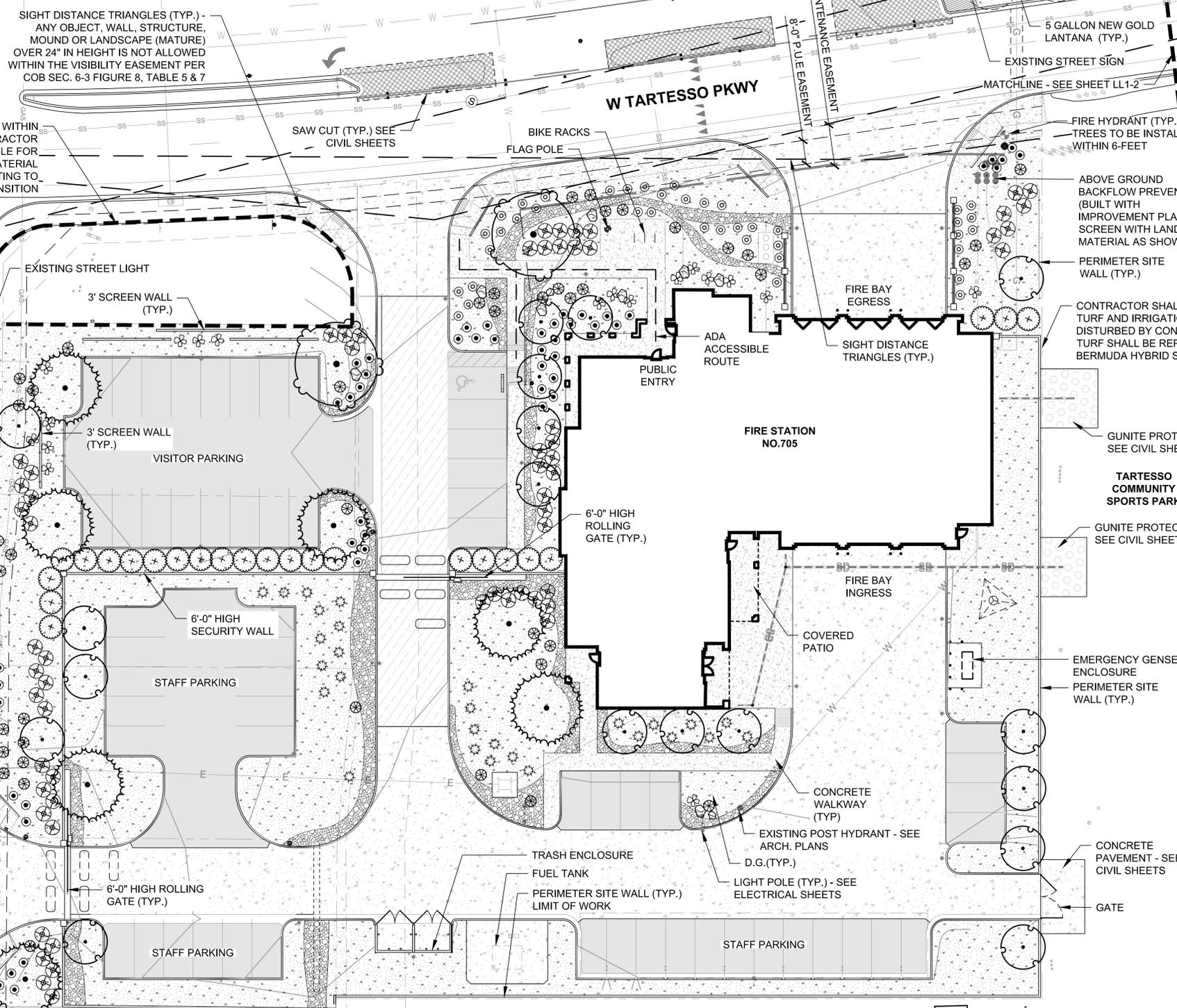
Rev	Date	By	Description
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2	08/12	CITY	PERMIT REVIEW COMMENTS

- NOTES:**
- NO BOULDERS ARE TO BE INSTALLED IN THE PUE, ROW, OR WITHIN 6-FEET OF THE BACK OF CURB. TREE CANOPY'S HANGING OVER THE SIGHT VISIBILITY TRIANGLES SHALL BE TRIMMED TO 7-FEET ABOVE STREET SURFACE.
 - NO STRUCTURE OR VEGETATION OF ANY KIND THAT WOULD IMPEDE THE FLOW OF STORM WATER MAY BE CONSTRUCTED, PLANTED, OR ALLOWED TO GROW WITHIN DRAINAGE EASEMENTS OR DRAINAGE CONVEYANCE WAYS.
 - RIGHT-OF-WAY LANDSCAPE MAINTENANCE RESPONSIBLE PARTY: CITY
 - NO TRAFFIC SIGNALS ON SITE.

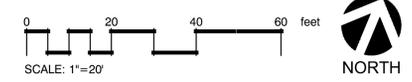
LANDSCAPE LEGEND

- TREES**
- ACACIA ANEURA
 - MULGA
 - SINGLE TRUNK
 - PISTACIA HYBRID 'RED PUSH'
 - RED PUSH PISTACHE
 - SINGLE TRUNK
 - QUERCUS FUSIFORMIS 'JOAN LIONETTI'
 - JOAN LIONETTI LIVE OAK
 - SINGLE TRUNK
- SHRUBS**
- ALOE VERA
 - MEDICINAL ALOE
 - DASYLIRION WHEELERI
 - DESERT SPOON
 - DODONAEA VISCOSA
 - HOP BUSH
 - LEUCOPHYLLUM LANGMANIAE 'LYNN'S LEGACY'
 - LYNN'S LEGACY TEXAS RANGER
- GROUNDCOVERS**
- ACACIA REDOLENS 'DESERT CARPET'™
 - BANK CATCLAW
 - LANTANA MONTEVIDENSIS
 - PURPLE TRAILING LANTANA
 - LANTANA X 'NEW GOLD'
 - NEW GOLD LANTANA
- INERT MATERIAL**
- SMALL BOULDER
 - SURFACE SELECT
 - LARGE BOULDER
 - SURFACE SELECT
 - DECOMPOSED GRANITE
 - COLOR TO MATCH EXISTING
 - ANGULAR ROCK
 - COLOR TO MATCH EXISTING

- CITY OF BUCKEYE NOTES**
- ALL LIGHTING, SIGNS, WALLS, AND RAMADAS AND OTHER STRUCTURES REQUIRE SEPARATE BUILDING APPROVAL AND PERMITS.
 - ALL PLANT MATERIAL IS IN COMPLIANCE WITH THE ARIZONA DEPARTMENT OF WATER RESOURCES LOW WATER USE PLANT LIST FOR THE PHOENIX ACTIVE MANAGEMENT AREA.
 - ALL PLANT MATERIAL AND SPECIFICATIONS ARE TO CONFORM TO THE ARIZONA NURSERY ASSOCIATION CURRENT STANDARDS.
 - ALL PLANT MATERIAL WILL BE GUARANTEED FOR A MINIMUM OF 60 DAYS FROM THE DATE OF FINAL APPROVAL. ANY PLANT MATERIAL THAT HAS TO BE REPLACED UNDER THE TERMS OF THE GUARANTEE SHALL BE GUARANTEED FOR AN ADDITIONAL 60 DAYS FROM THE DATE OF REPLACEMENT.
 - ALL PAVING WILL MEET DESIGN AND CONSTRUCTION REQUIREMENTS OF THE AMERICANS DISABILITIES ACT (ADA). SIDEWALKS ARE TO BE CONSTRUCTED PER MAG STANDARD DETAILS.
 - A MARICOPA COUNTY DUST CONTROL PERMIT IS REQUIRED FOR ALL LANDSCAPE WORK IN RESIDENTIAL, COMMERCIAL AND INDUSTRIAL SUBDIVISIONS.
 - PRIOR TO ACCEPTANCE OF ANY BACKFLOW DEVICE, IT MUST BE TESTED BY A STATE CERTIFIED TESTER.
 - ALL BACKFLOW DEVICES SHALL BE RECERTIFIED YEARLY.
 - CONTRACTOR SHALL ENSURE A 24-INCH CLEARANCE BETWEEN SIDEWALKS AND PLANT MATERIAL.
 - SPRINKLER CONTRACTOR MUST GUARANTEE 100% COVERAGE IN ALL LANDSCAPE AREAS.
 - EROSION CONTROL SHALL BE REQUIRED AT ALL INLET/OUTLET LOCATIONS.
 - AN 18 GAGE, BLUE TRACER WIRE SHALL BE INSTALLED WITH 2-INCH AND LARGER MAIN LINES, 6 INCHES OF WHICH SHALL BE COILED INSIDE THE CONTROLLER.
 - NO VEGETATION SHALL BE PLANTED WITHIN DRAINAGE EASEMENTS OR TRACTS WHICH WOULD IMPEDE THE FLOW OF WATER OVER, UNDER OR THROUGH THE DRAINAGE EASEMENTS OR TRACTS.



- CITY OF BUCKEYE NOTES CONT'D**
- VISIBILITY RESTRICTIONS: ANY OBJECT, WALL, STRUCTURE, MOUND OR LANDSCAPING OVER 24" IN HEIGHT (SHRUBS) IS NOT ALLOWED WITHIN SIGHT VISIBILITY TRIANGLES OR EASEMENTS OR SIGHT DISTANCE LINE AREAS. TREE CANOPIES OVERHANGING IN THE EASEMENT OR TRIANGLES, OR WITHIN PUBLIC RIGHT-OF-WAY SHALL BE KEPT TRIMMED TO A HEIGHT OF NO LESS THAN 7-FEET. LANDSCAPING WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE A MAXIMUM OF 2-FOOT (SHRUBS).
 - THE HOMEOWNER'S ASSOCIATION, PROPERTY OWNER'S ASSOCIATE, PROPERTY OWNER, OR PROPERTY MAINTENANCE COMPANY SHALL HAVE THE RESPONSIBILITY OF MAINTAINING ALL LANDSCAPED AREAS, INCLUDING WITHIN ALL ADJACENT RIGHTS-OF-WAY.
 - INDICATE METHOD OF DUST, WEED, AND DEBRIS CONTROL ON THE UNDEVELOPED PORTIONS OF THE SITE.
 - [THE CITY OF BUCKEYE, GLOBAL WATER, ETC.] IS THE SUPPLIER/SOURCE OF WATER FOR THE IRRIGATION SYSTEM AND THE SUPPLY IS (POTABLE OR NON-POTABLE). ADD ONLY IF SYSTEM IS NON-POTABLE. WARNING SIGNS WILL BE LOCATED AT PEDESTRIAN ENTRANCE/ACCESS POINTS AND SPACED NOT MORE THAN 100 YARDS APART ALONG FRONTAGE. THESE SIGNS WILL BE AT LEAST 6-INCHES SQUARE WITH BLACK LETTERING ON A WHITE BACKGROUND. THEY WILL BE LABELED "WARNING: RECLAIMED WATER - DO NOT DRINK". ADD ONLY IF SYSTEM IS NON-POTABLE. ALL VALVE BOXES WILL BE INSTALLED WITH PURPLE COVERS AND ALL IRRIGATION PIPE WILL BE PURPLE IN COLOR.

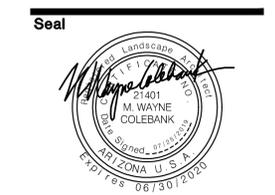


City of Buckeye
Fire Station No. 705
30551 W. Tartesso Pkwy.
Buckeye, AZ 85396
LANDSCAPE PLAN

Drawn/Checked By: MP / JM
Date: 07-25-19
Project Number: 318009
Sheet Number: LL1-1
2 OF 6



PROJECT: ENG/CIP - 19-10005



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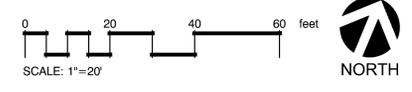
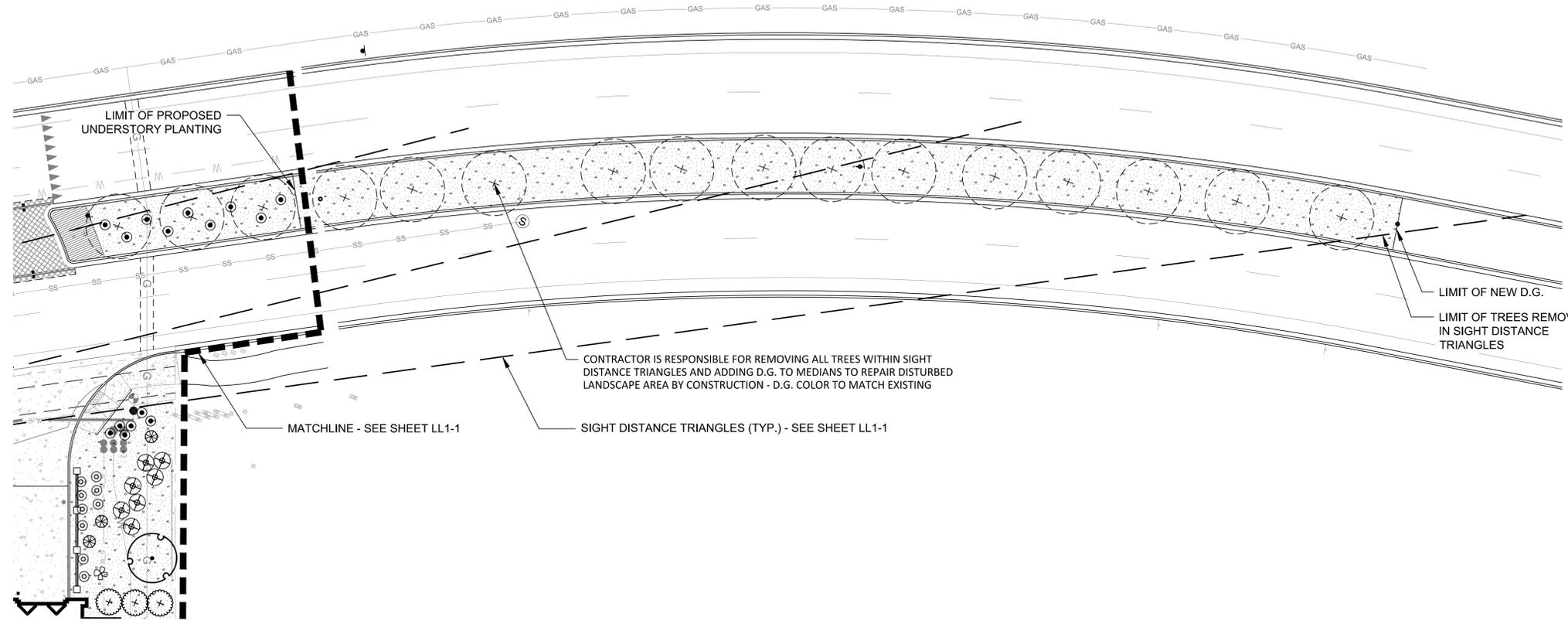
City of Buckeye
Fire Station No. 705
30551 W. Tartesso Pkwy.
Buckeye, AZ 85396
LANDSCAPE MEDIAN PLAN

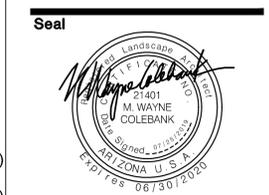
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MP / JM
Date
07-25-19
Project Number
318009
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LL1-2
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PROJECT: ENG/CIP - 19-10005

LANDSCAPE LEGEND

- TREES**
- BOTANICAL / COMMON NAME
ACACIA ANEURA
MULGA
 - PISTACIA HYBRID 'RED PUSH'
RED PUSH PISTACHE
 - QUERCUS FUSIFORMIS 'JOAN LIONETTI'
JOAN LIONETTI LIVE OAK
- SHRUBS**
- ALOE VERA
MEDICINAL ALOE
 - DASYLIION WHEELERI
DESERT SPOON
 - DODONAEA VISCOSA
HOP BUSH
 - LEUCOPHYLLUM LANGMANIAE 'LYNN'S LEGACY'
LYNN'S LEGACY TEXAS RANGER
- GROUNDCOVERS**
- ACACIA REDOLENS 'DESERT CARPET' TM
BANK CATCLAW
 - LANTANA MONTEVIDENSIS
PURPLE TRAILING LANTANA
 - LANTANA X 'NEW GOLD'
NEW GOLD LANTANA
- INERT MATERIAL**
- DESCRIPTION
SMALL BOULDER
SURFACE SELECT
 - LARGE BOULDER
SURFACE SELECT
 - DECOMPOSED GRANITE
COLOR TO MATCH EXISTING
 - ANGULAR ROCK
COLOR TO MATCH EXISTING





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City of Buckeye
Fire Station No. 705
30551 W. Tartesso Pkwy.
Buckeye, AZ 85396
IRRIGATION PLAN

Drawn/Checked By: MP / JM
Date: 07-25-19
Project Number: 318009
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5 OF 6

PROJECT: ENG/CIP - 19-10005

IRRIGATION LEGEND

SYMBOL	BRAND	MODEL	DESCRIPTION
[M]			WATER METER (BY OTHERS)
[△]	RAINBIRD	ESP-Me W/ LNK WIFI	IRRIGATION CONTROLLER W/ WIFI MODULE
[⬠]	FEBCO	825YA	REDUCED PRESSURE ASSEMBLY
[⊠]	RAINBIRD	PEB FS-100B	MASTER VALVE FLOW METER
[⊙]	RAINBIRD	PEB	REMOTE CONTROL VALVE
[⊞]	RAINBIRD	PRF-075-RBY	PRESSURE REGULATING FILTER
[N/S]	RAINBIRD	XB-05PC	MULTI OUTLET EMITTER (0.5 GPH)
[N/S]	RAINBIRD	XB-10PC	MULTI OUTLET EMITTER (1.0 GPH)
[S]	SPEARS	2622-007	BALL VALVE FLUSH CAP
[---]			3/4" SCHEDULE 40 PVC PIPE LATERAL (TREE)
[---]			3/4" SCHEDULE 40 PVC PIPE LATERAL (SHRUB)
[—]			SCHEDULE 40 PVC MAINLINE
[—]			SCHEDULE 40 PVC SLEEVE

IRRIGATION SLEEVES

- USE SCHEDULE 40 PIPE, 2 TIMES THE DIAMETER OF THE PIPE(S) BEING SLEEVED, MINIMUM 2".
- CONTROL WIRES INSTALLED THROUGH IRRIGATION SLEEVES SHALL BE ENCASED IN A PVC ELECTRICAL CONDUIT SIZED TO CONTAIN THE REQUIRED NUMBER OF CONDUCTORS. WIRE SLEEVES CROSSING STREET PAVING SHALL HAVE A 10" PULL BOX AT EACH END.

VALVE CALLOUT



EMITTER SCHEDULE

COMMON NAME	FLOW PER OUTLET	MANIFOLD OUTLET	OPEN OUTLETS	GPH PER PLANT
TREES				
MULGA	1.0 GPH	MULTI-OUTLET	6	6.0
PISTACHE	1.0 GPH	MULTI-OUTLET	6	6.0
SOUTHERN LIVE OAK	2.0 GPH	MULTI-OUTLET	6	12.0
SHRUBS				
ALOE	0.5 GPH	MULTI-OUTLET	1	0.5
DESERT SPOON	0.5 GPH	MULTI-OUTLET	2	1.0
HOP BUSH	0.5 GPH	MULTI-OUTLET	2	1.0
SAGE	0.5 GPH	MULTI-OUTLET	2	1.0
GROUNDCOVERS				
CATCLAW	0.5 GPH	MULTI-OUTLET	1	0.5
LANTANA	0.5 GPH	MULTI-OUTLET	1	0.5

EMITTER NOTES

- REFER TO EMITTER DETAILS FOR EMITTER SPECIFICATIONS AND LAYOUT
- ADJUST IRRIGATION OPERATING TIMES TO ACCOMMODATE PLANT MATURITY, SOIL TYPE, PLANT EXPOSURE AND SEASONAL REQUIREMENTS.

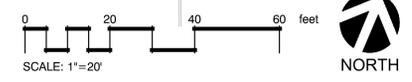
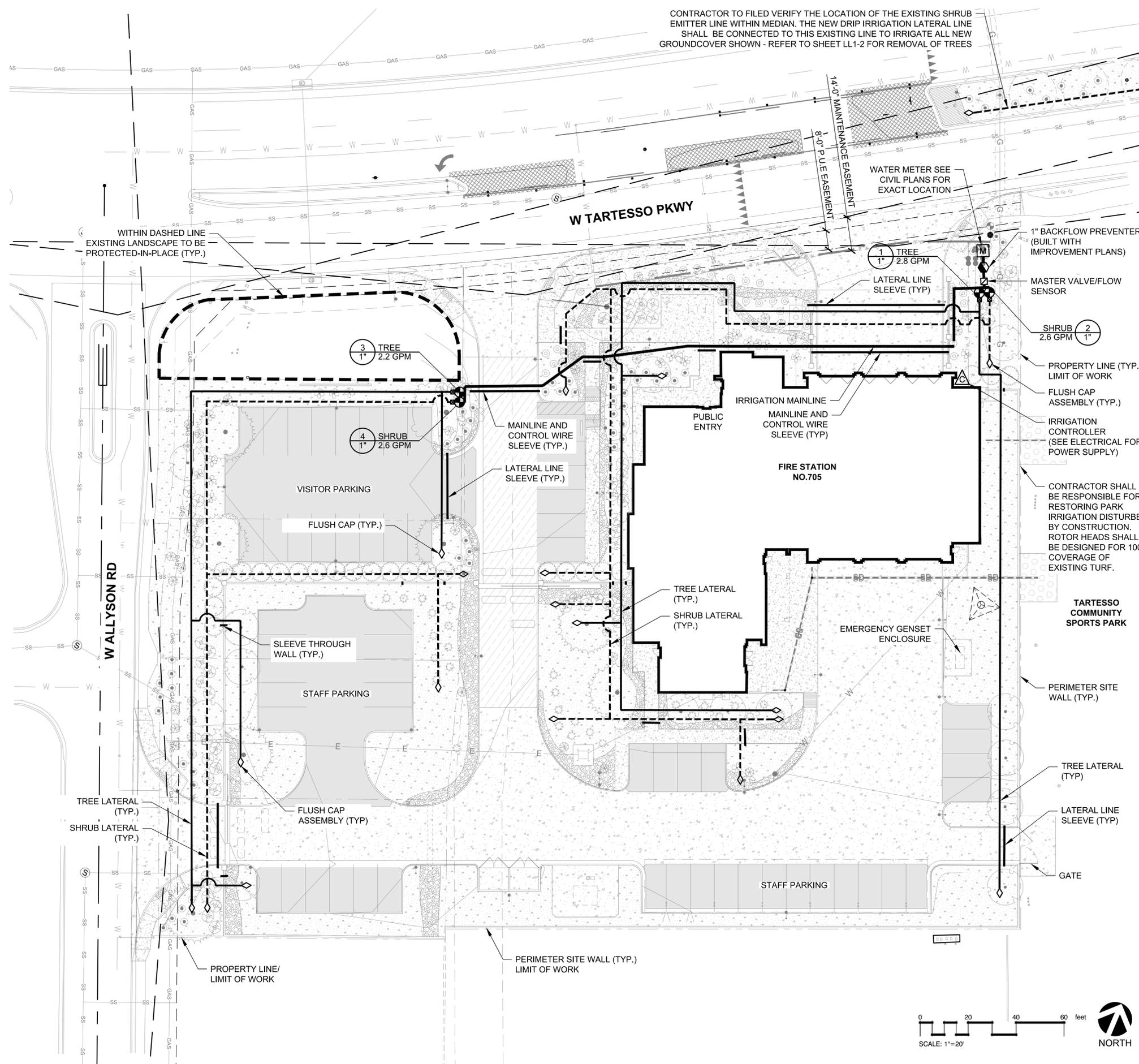
IRRIGATION NOTE

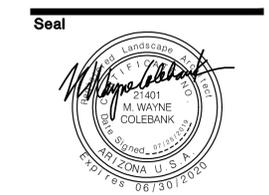
- CONTRACTOR SHALL BE RESPONSIBLE FOR SIZING AND INSTALLING THE CORRECT PRESSURE REGULATING FILTER PER MANUFACTURER'S RECOMMENDATION.
- ENSURE ALL BACKFILL COVERAGE ADHERES TO THE MINIMUM COVER CHART BELOW:

MINIMUM COVER CHART	
TYPE	MIN. COVER
MAINLINE PIPE	24"
CONTROL WIRE	18"
LATERAL PIPE	12"
DRIP TUBING	4"

NOTE:

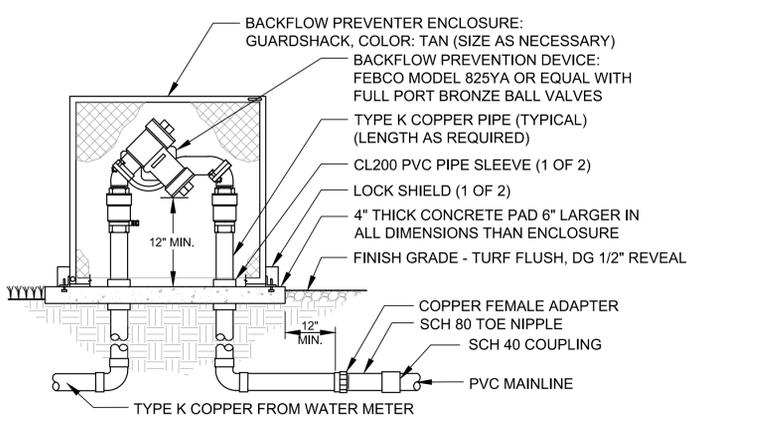
WITH THE NEW MEDIAN IMPROVEMENTS, THE EXISTING IRRIGATION WILL BE DISRUPTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING THE EXISTING IRRIGATION WITH A SLEEVE UNDER NEW ASPHALT. ALSO, CONTRACTOR SHALL MANUALLY IRRIGATE EXISTING LANDSCAPE UNTIL RESTORED IRRIGATION SYSTEM IS OPERATIONAL.





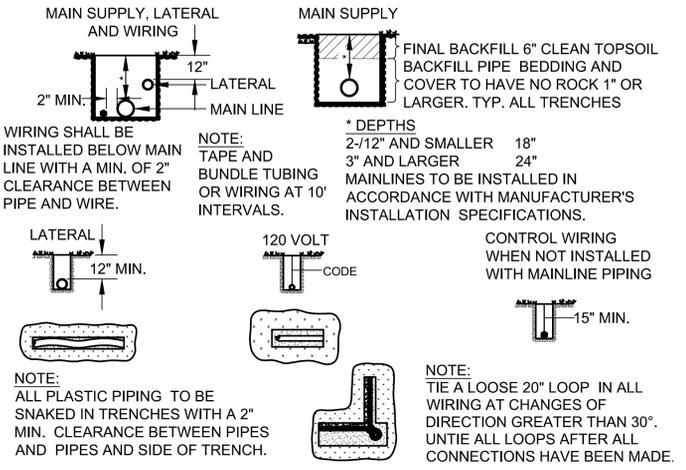
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Rev	Date	By	Description
1	07/25		PERMIT REVIEW COMMENTS



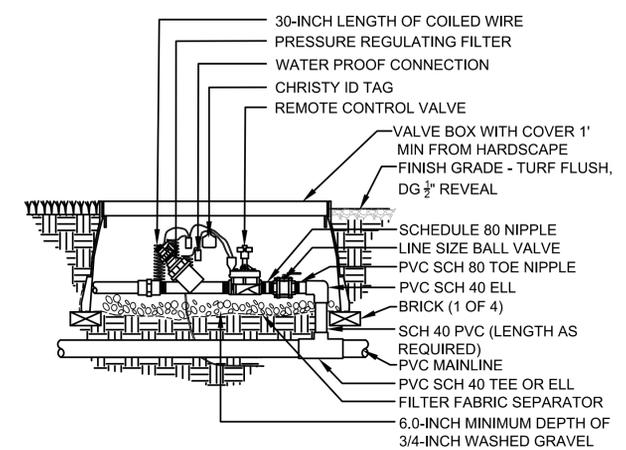
- NOTES:**
- FURNISH FITTINGS AND PIPING SIZED IDENTICALLY WITH NOMINAL BACKFLOW PREVENTION DEVICE.
 - SUBMIT SHOP DRAWINGS SPECIFYING ENCLOSURE SIZE AND SHOWING RELATIVE LAYOUT OF EQUIPMENT.
 - CONTRACTOR SHALL PROVIDE A LOCK FOR THE ENCLOSURE UNTIL SUBSTANTIAL COMPLETION APPROVAL. AT THAT TIME CONTRACTOR SHALL REMOVE HIS LOCK AND THE CITY SHALL PROVIDE A LOCK FOR THE ENCLOSURE.

1 REDUCED PRESSURE ASSEMBLY
SCALE: N.T.S.

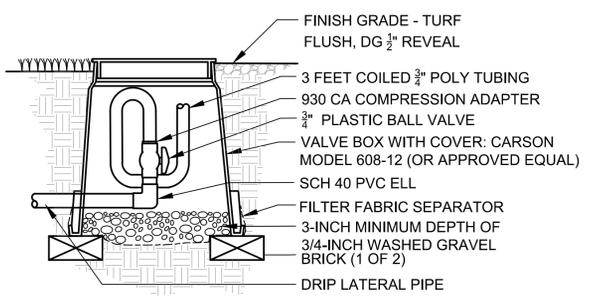


- NOTE:** WIRING SHALL BE INSTALLED BELOW MAIN LINE WITH A MIN. OF 2" CLEARANCE BETWEEN PIPE AND WIRE.
- NOTE:** TAPE AND BUNDLE TUBING OR WIRING AT 10' INTERVALS.
- NOTE:** ALL PLASTIC PIPING TO BE SNAKED IN TRENCHES WITH A 2" MIN. CLEARANCE BETWEEN PIPES AND PIPES AND SIDE OF TRENCH.
- NOTE:** ALL 120 VOLT WIRING IN CONDUIT TO BE INSTALLED IN ACCORDANCE WITH LOCAL CODE. APPROVED "ELECTRICAL POWER WIRES BELOW" WARNING TAPE SHALL BE INSTALLED 12" ABOVE ALL POWER WIRING IN TRENCHES.
- NOTE:** TIE A LOOSE 20" LOOP IN ALL WIRING AT CHANGES OF DIRECTION GREATER THAN 30°. UNTIE ALL LOOPS AFTER ALL CONNECTIONS HAVE BEEN MADE.

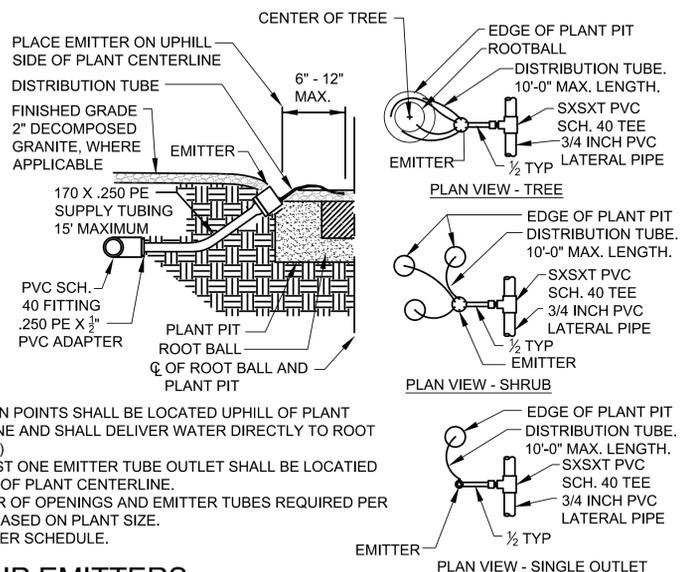
2 TYPICAL TRENCHING
SCALE: N.T.S.



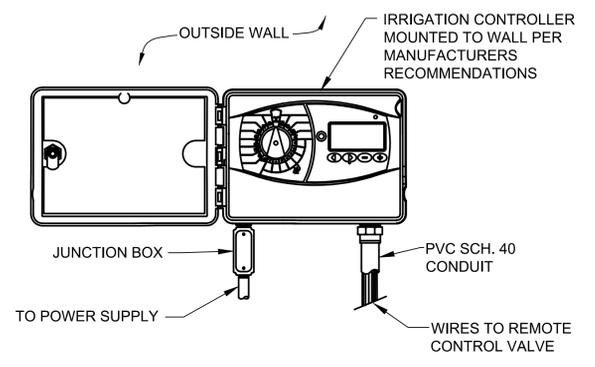
3 DRIP REMOTE CONTROL VALVE ASSEMBLY
SCALE: N.T.S.



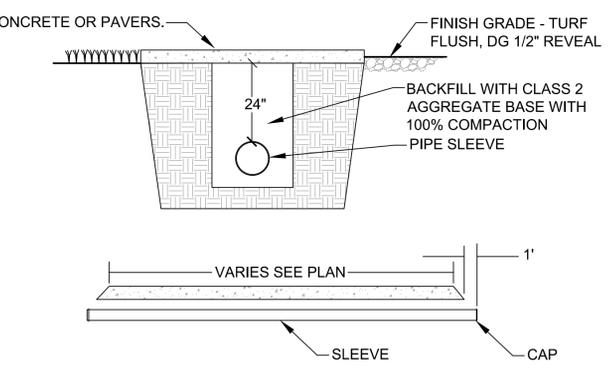
4 FLUSH CAP ASSEMBLY
SCALE: N.T.S.



5 DRIP EMITTERS
SCALE: N.T.S.



6 WALL MOUNTED CONTROLLER
SCALE: N.T.S.



- NOTE:**
- BEDDING AND BACKFILL MATERIAL SHALL BE CLASS 2 AGGREGATE BASE.
 - MATERIALS USED FOR CAPS OR PLUGS SHALL BE AS RECOMMENDED BY THE PIPE SUPPLIER AND APPROVED BY THE ENGINEER.
 - SLEEVE LOCATION SHALL BE MARKED IN THE DRIVEWAY
 - SLEEVES SHALL BE INSTALLED PARALLEL TO THE DRIVEWAY SUBGRADE.

7 IRRIGATION SLEEVE
SCALE: N.T.S.

IRRIGATION NOTES:

- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A COPY OF THE PROJECT SPECIFICATIONS PRIOR TO BIDDING. THE PROJECT SPECIFICATIONS ARE A PART OF THESE PLANS AND SHALL BE CONSULTED BY THE IRRIGATION CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING WORK AS SPECIFIED IN THE PROJECT SPECIFICATIONS AND ON THE PLANS.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, EQUIPMENT QUANTITIES, AND UTILITY LOCATIONS PRIOR TO BEGINNING WORK.
- CONTRACTOR SHALL NOTIFY OWNER/LANDSCAPE ARCHITECT OF ANY DISCREPANCIES IN PLANS OR SPECIFICATIONS PRIOR TO BEGINNING OR CONTINUING WORK.
- THE CONTRACTOR SHALL MAKE NO SUBSTITUTIONS, DELETING, OR ADDITIONS TO THE PLAN WITHOUT APPROVAL OF THE OWNER/LANDSCAPE ARCHITECT.
- ALL CONSTRUCTION SHALL CONFORM TO CITY, COUNTY, STATE, AND FEDERAL REQUIREMENTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL IRRIGATION EQUIPMENT MEETS GOVERNMENT REGULATIONS. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR OBTAINING ANY NECESSARY PERMITS OR APPROVALS.
- THIS PLAN IS SCHEMATIC AND DUE TO THE NATURE OF CONSTRUCTION SLIGHT FIELD MODIFICATIONS MAY BE NECESSARY TO IMPLEMENT THIS PLAN.
- CONTRACTOR TO VERIFY ACTUAL AVAILABLE WATER PRESSURE BEFORE BEGINNING INSTALLATION.
- IRRIGATION SYSTEM CONNECTED TO POTABLE WATER SUPPLY, SHALL HAVE A BACKFLOW PREVENTER INSTALLED AND TESTED BY A CERTIFIED BACKFLOW PREVENTER INSPECTOR.

IRRIGATION NOTES (CONTINUED):

- WHEN APPLICABLE, IRRIGATION HEADS ARE TO BE ADJUSTED FOR COMPLETE COVERAGE WITH MINIMUM OVER SPRAY BEYOND LANDSCAPE AREAS.
- EXISTING TREES TO REMAIN ARE TO BE PROTECTED FROM DAMAGE. DO NOT TRENCH OR EXCAVATE WITHIN THE CRITICAL ROOT ZONE OF ANY TREE.
- IRRIGATION LATERAL LINES, MAINLINES AND EQUIPMENT MAY BE SHOWN OUTSIDE PROPERTY LINES ON THIS PLAN. ALL IRRIGATION LINES AND EQUIPMENT ARE TO BE LOCATED WITHIN AND INSTALLED WITHIN THE LIMITS OF THE PROPERTY LINE.
- ALL IRRIGATION SLEEVING TO BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR. ELECTRICAL WIRES FOR IRRIGATION VALVES AND IRRIGATION LINES ARE TO BE PLACED IN SEPARATE SLEEVES. SEE SLEEVING DETAIL.
- SUPPLY LINE AND METER TO BE PROVIDED BY GENERAL CONTRACTOR. BACKFLOW PREVENTER TO BE PROVIDED BY IRRIGATION CONTRACTOR. IRRIGATION CONTRACTOR'S POINT OF CONNECTION TO BEGIN AFTER THE IRRIGATION METER.



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MP / JM
Date
07-25-19
Project Number
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Sheet Number

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PROJECT: ENG/CIP - 19-10005

City of Buckeye
Fire Station No. 705
30551 W. Tartesso Pkwy.
Buckeye, AZ 85396
IRRIGATION DETAILS