

FEMA FLOOD ZONE INFORMATION

COMMUNITY NUMBER	PANEL #	SUFFIX	DATE OF FIRM (INDEX DATE)	FIRM ZONE	BASE FLOOD ELEV. (IN 4' ZONE, USE DEPTH)
040039	2130	L	10/16/2013	AE*	1053.5
ALL FLOOD ZONES ARE SHOWN IN THIS PLAN SET.					
*THE FLOODWAY IS THE CHANNEL OF A STREAM PLUS ANY ADJACENT FLOODPLAIN AREAS THAT MUST BE KEPT FREE OF ENCROACHMENT SO THAT THE 1% ANNUAL CHANCE FLOOD CAN BE CARRIED WITHOUT SUBSTANTIAL INCREASES IN FLOOD HEIGHTS.					

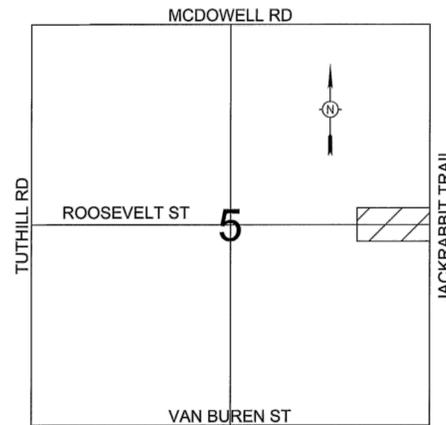
GENERAL PERMITTING NOTES

- 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 BUCKEYE DESIGN STANDARDS. IF THERE IS A CONFLICT, THE CITY OF BUCKEYE STANDARDS WILL GOVERN.
- THE APPROVAL OF THE PLANS IS VALID FOR ONE (1) YEAR FROM THE DATE OF THE CITY ENGINEER'S SIGNATURE. IF AN ENCROACHMENT PERMIT FOR THE CONSTRUCTION HAS NOT BEEN ISSUED WITHIN ONE (1) YEAR, THE PLANS MUST BE RESUBMITTED TO THE CITY FOR REAPPROVAL.
- A CITY OF BUCKEYE INSPECTOR WILL INSPECT ALL WORKS WITHIN THE CITY OF BUCKEYE RIGHTS-OF-WAY AND IN EASEMENTS. NOTIFY THE CITY 24 HOURS PRIOR TO THE INSPECTION BY CALLING (623) 349-6248.
- CITY PERMITS ARE REQUIRED FOR ALL WORK IN PUBLIC RIGHTS-OF-WAY AND EASEMENTS GRANTED FOR PUBLIC PURPOSES. A CITY PERMIT WILL BE ISSUED BY THE CITY ONLY AFTER ALL FEES HAVE BEEN PAID AND THE PERMIT HAS AN APPROVED MARICOPA COUNTY ENVIRONMENTAL SERVICES DUST PERMIT AND AN APPROVED STORM WATER POLLUTION PREVENTION PLAN ATTACHED. THE SWPPP SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS.
- COPIES OF ALL PERMITS AND MOST RECENT APPROVED PLANS MUST BE RETAINED ON-SITE AND BE AVAILABLE FOR INSPECTION AT ALL TIMES. FAILURE TO PRODUCE THE REQUIRED PERMITS AND PLANS WILL RESULT IN IMMEDIATE SUSPENSION OF ALL WORK UNTIL PROPER PERMIT DOCUMENTATION AND/OR PLANS ARE OBTAINED. ALL OF THESE REQUIREMENTS APPLY TO ONSITE GRADING AND IMPROVEMENT PLANS.

UTILITY COMPANIES	DATE APPROVED
ELECTRIC	ARIZONA PUBLIC SERVICE 05/21/2014
TELEPHONE	CENTURYLINK 04/25/2014
CATV	COX COMMUNICATIONS 05/20/2014
GAS	SOUTHWEST GAS 05/28/2014

ROOSEVELT STREET UTILITY CROSSING

LOCATED IN
A PORTION OF THE EAST HALF OF SECTION 5, TOWNSHIP 1 NORTH,
RANGE 2 WEST OF THE GILA AND SALT RIVER BASE AND
MERIDIAN, MARICOPA COUNTY, ARIZONA.



OVERALL DEVELOPMENT
NOT TO SCALE

SHEET INDEX

- G1 COVER
- G2 GENERAL NOTES
- G3 LEGEND, ABBREVIATIONS & DETAILS
- C1 PLAN & PROFILE WET UTILITIES
- C2 PLAN & PROFILE DRY UTILITIES
- C3 DETAILS & SECTION

SUMMARY OF QUANTITIES

ITEM	UNIT	AMOUNT
30" STEEL CASING FOR SEWER	LF	268
30" STEEL CASING FOR POTABLE WATER	LF	258
30" STEEL CASING FOR RAW WATER	LF	250
PLUG FOR 30" STEEL CASING	EA	6
CONCRETE ENCASED UTILITY BANK	CY	109
CONCRETE ENCASED 4" CONDUIT SLEEVES	CY	19
5" SCH 40 PVC CONDUIT	LF	858
4" SCH 40 PVC CONDUIT	LF	1716
2.5" SCH 40 PVC CONDUIT	LF	644
2" SCH 40 PVC CONDUIT	LF	644
10" PVC SLEEVE FOR NATURAL GAS	LF	240
1-SACK CLSM	CY	802
FILTER FABRIC	SY	384

OWNER

CITY OF BUCKEYE, AZ
530 E. MONROE AVE.
BUCKEYE, AZ 85326
(623) 349-6200
CONTACT: SCOTT ZIPPRICH, P.E.

DEVELOPER

SUNBELT INVESTMENT HOLDINGS, INC
8095 OHELLO AVE.
SAN DIEGO, CA 92111
(858) 495-4900
CONTACT: DENNIS O'NEIL

ENGINEER

COE & VAN LOO CONSULTANTS, INC.
4550 NORTH 12TH STREET
PHOENIX, ARIZONA 85014
(602) 264-6831
(602) 264-0928 (FAX)
CONTACT: ERIC LAURIN, P.E.

BASIS OF BEARING

THE EAST LINE OF THE NORTHEAST QUARTER OF SECTION 5, TOWNSHIP 1 NORTH, RANGE 2 WEST OF THE GILA AND SALT RIVER MERIDIAN, HAVING A BEARING OF N00°21'14"E PER BOOK 638 OF MAPS, PAGE 33, RECORDS OF MARICOPA COUNTY, ARIZONA.

BENCH MARK

3" MCDOT BRASS CAP ON EXISTING IRON PIPE BEING THE EAST QUARTER CORNER OF SECTION 5, TOWNSHIP 1 NORTH, RANGE 2 WEST OF THE GILA AND SALT RIVER MERIDIAN. ELEV. 1055.15 NAVD-88

ARIZONA WATER COMPANY PLAN APPROVAL
WATER FACILITIES SHOWN ON THESE PLANS SHALL BE INSTALLED IN ACCORDANCE WITH ARIZONA WATER COMPANY'S CONSTRUCTION SPECIFICATIONS AND APPROVED TARIFF SCHEDULES ON FILE WITH THE ARIZONA CORPORATION COMMISSION. THIS APPROVAL DOES NOT APPLY TO PRIVATE DISTRIBUTION SYSTEMS BEYOND THE METER. THIS APPROVAL IS VALID FOR A PERIOD OF 18 MONTHS FROM THE DATE LISTED BELOW.

APPROVED BY: *[Signature]*
DATE OF APPROVAL: 1/6/15

DISCLAIMER:

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

BY: *[Signature]* 1.5.15
CITY OF BUCKEYE ENGINEER DATE

BY: _____ DATE
FLOOD CONTROL DISTRICT MARICOPA COUNTY

BY: _____ DATE
MARICOPA COUNTY ENVIRONMENTAL SERVICES DEPARTMENT

BY: _____ DATE
ARIZONA WATER COMPANY

BID PLAN SET
NOT FOR PERMITTING,
AS-BUILTS OR OTHER PURPOSES

AS-BUILT CERTIFICATION

I HEREBY CERTIFY THAT THE "AS - BUILT" INFORMATION SHOWN HEREON WAS OBTAINED UNDER MY DIRECT SUPERVISION AND IS CORRECT AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

ARIZONA REGISTERED LAND SURVEYOR DATE

ARIZONA REGISTRATION NUMBER

TELEPHONE NUMBER



MANAGING ENGINEER / SURVEYOR RYAN WEED	PROJECT COORDINATOR BARBARA RUST	DRAFTED	EL	CHECKED
		MA	DRAFTED	CHECKED
DESIGN LAYOUT	FR	FIELD SURVEY	CVL	DRAWING SCALES
NO SCALE				
COVER				
ROOSEVELT STREET UTILITY CROSSING				
<p>PROJECT: _____</p> <p>PREVIOUS: _____</p> <p>1</p> <p>2</p> <p>3</p> <p>COPY PERMITTING APPROVED STAMP</p> <p>CITY ENGINEERING APPROVED STAMP</p> <p>APPROVED JAN 0 2015 CITY OF BUCKEYE ENGINEERING</p> <p>DESIGN SEAL</p> <p>14478 ERIC LAURIN ARIZONA, U.S.A. Expires 6-30-15</p> <p>ORIGINAL PLAN DATE: 11/26/2013</p> <p>DATE: 12/08/2014</p> <p>PROJECT NUMBER: 01-0119406</p> <p>SHEET NUMBER: G1</p> <p>3rd Submittal</p> <p>ENG - 13 00499</p> <p>NOT FOR PERMITTING, AS-BUILTS OR OTHER PURPOSES</p>				

CITY OF BUCKEYE GENERAL NOTES

- CITY OF BUCKEYE BUILDING DEPARTMENT SHALL; BE NOTIFIED 24 HOURS IN ADVANCE OF ANY ON-SITE OR OFF-SITE CONSTRUCTION. PHONE 623.349.6248 FOR THE HOTLINE. ALL OTHER FAX THE INSPECTION REQUEST FORM TO 623.349.6221. OR USE THE WEB BASED PERMIT PORTHOLE ACCESS TO SCHEDULE AN INSPECTION (WWW.BUCKEYEAZ.GOV).
- ALL WORK AND MATERIALS MUST CONFORM TO THESE SPECIFICATIONS, THE CURRENT UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION AS SPONSORED AND DISTRIBUTED BY THE MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) AND AS AMENDED BY THE CITY OF BUCKEYE (COB).
- A PERMIT IS REQUIRED FROM THE COB FOR ALL CONSTRUCTION WITHIN THE RIGHTS-OF-WAY (ROW).
- THE CONTRACTOR WILL EXPOSE ALL EXISTING UTILITY LINES BEING TIED IN TO VERIFY THEIR LOCATION.
- THE CONTRACTOR WILL LOCATE, OR HAVE LOCATED, ALL EXISTING UNDERGROUND UTILITIES (ELECTRIC, TELEPHONE, PIPELINES, ETC.) AND STRUCTURES IN ADVANCE OF CONSTRUCTION AND WILL ELIMINATE ALL CONFLICTS PRIOR TO START OF CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE TO CALL BLUE STAKE PRIOR TO STARTING ANY CONSTRUCTION. NO WORK SHALL BEGIN UNTIL BLUE STAKE IS COMPLETED. BLUE STAKE TELEPHONE NUMBER 602.263.110 OR 1.800.STAKE-IT.
- A PRECONSTRUCTION MEETING IS REQUIRED PRIOR TO STARTING ANY WORK OR NEW PHASE OF WORK. THE CONTRACTOR, KEY SUBCONTRACTORS, COB INSPECTOR AND REPRESENTATIVE OF THE CITY ENGINEER SHALL ATTEND THIS MEETING.
- ANY WORK PERFORMED WITHOUT THE APPROVAL OF THE COB AND/OR ALL WORK AND MATERIAL NOT IN CONFORMANCE WITH THE SPECIFICATIONS IS SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
- DISPOSAL OF EXCESS MATERIAL WITHOUT A PERMIT WITHIN THE COB LIMITS IS PROHIBITED. A USE PERMIT IS REQUIRED FOR DISPOSAL OR STOCKPILING OF MATERIALS WITHIN A RESIDENTIAL AREA. STOCKPILING OF EXCAVATED MATERIAL SHALL NOT EXCEED A HEIGHT OF 6 FEET ABOVE THE NATURAL GROUND ELEVATION. THE SLOPES ON ALL SIDES OF THE STOCKPILED EXCAVATED MATERIAL SHALL NOT EXCEED A 4:1 RATIO OF LENGTH TO HEIGHT.
- EXCAVATION CONTRACTORS MUST IDENTIFY LOCATION FOR DISPOSING OF EXCESS EXCAVATION MATERIAL ALONG WITH A LETTER FROM THE LANDOWNER, GIVING PERMISSION FOR DUMPING PRIOR TO STARTING ANY CONSTRUCTION.
- TRAFFIC CONTROL SHALL BE PROVIDED AND MAINTAINED IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND THE CITY OR PHOENIX BARRICADING MANUAL, MARICOPA COUNTY DEPARTMENT OF TRANSPORTATION, MAG UNIFORM STANDARD DETAIL 401, AND COB REQUIREMENTS. THE CONTRACTOR IS REQUIRED TO SUBMIT A TRAFFIC CONTROL PLAN AND BARRICADE PLAN TO THE COB FOR APPROVAL WHERE THE CONSTRUCTION OF THE NEW IMPROVEMENTS ARE ADJACENT TO OR CONNECTING TO ANY EXISTING ROADWAY OR PEDESTRIAN FACILITIES. THE TRAFFIC CONTROL PLAN AND BARRICADE PLAN SHALL BE APPROVED BEFORE A PERMIT FOR THE WORK WILL BE ISSUED. THE CONTRACTOR SHALL INSTALL APPROVED BARRICADING AND TRAFFIC CONTROL, AS APPROVED BY THE COB, BEFORE WORK CAN TAKE PLACE. ALL OVERNIGHT BARRICADES SHALL BE LIT AND FUNCTIONING.
- A HAUL PLAN FOR MATERIAL IMPORT OR EXPORT SHALL BE REQUIRED FOR COB REVIEW AND APPROVED PRIOR TO THE START OF HAULING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY AND FINAL CLEAN-UP OPERATIONS OF ADJACENT, EXISTING PAVED STREETS USED BY CONSTRUCTION TRAFFIC. THIS WORK INCLUDES STREET SWEEPING, POWER BROOM AND WATER AS NEEDED OR DIRECTED BY THE COB.
- ENVIRONMENTAL REQUIREMENTS
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL RELATED TO THE PROJECT CONSTRUCTION AND SHALL TAKE WHATEVER MEANS NECESSARY TO CONTROL ANY ABNORMAL CONDITIONS.
 - THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS FOR CLEANING TRUCKS AND/OR OTHER EQUIPMENT OF MUD PRIOR TO ENTERING PUBLIC STREETS, AND TAKE WHATEVER MEASURES ARE NECESSARY TO INSURE THAT ALL ROADS ARE MAINTAINED IN A CLEAN, MUD, AND DUST FREE CONDITION AT ALL TIME.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY AND FINAL CLEAN-UP OPERATIONS OF ADJACENT, EXISTING PAVED STREETS USED BY CONSTRUCTION TRAFFIC.
 - TEMPORARY DRAINAGE CONTROL MEASURES MAY BE REQUIRED DURING AND AFTER CONSTRUCTION UNTIL FINAL PROJECT BUILDOUT IN ACCORDANCE WITH THE APPROVED PLANS AND IN ACCORDANCE WITH ANY ESTABLISHED OR REQUIRED BEST MANAGEMENT PRACTICES (BMP) AS PART OF THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NDPES) PERMIT REQUIREMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MEET ALL REQUIREMENTS.
 - THE CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL AIR QUALITY PERMITS.
 - THE CONTRACTOR SHALL SUBMIT TO THE COB A COPY OF THEIR APPROVED COUNT (AIR QUALITY) DUST CONTROL PLAN, EROSION CONTROL PLAN (SWPPP), AND PERMIT PRIOR TO THE START OF WORK.
- STREET CUTS:** APPLICATIONS FOR STREET CUT PERMITS MUST BE APPROVED BY THE CITY ENGINEER PRIOR TO APPROVAL OF IMPROVEMENT PLANS. THE PAVEMENT REPLACEMENT SECTION FOR ALL LONGITUDINAL AND TRANSVERSE TRENCHES LOCATED IN AN EXISTING PAVED STREET SHALL BE CONSTRUCTED IN ACCORDANCE WITH MAG UNIFORM STANDARD DETAIL NO. 200 "T"-TOP, BACKFILL, PAVEMENT SURFACE REPLACEMENT, MODIFIED AS FOLLOWS: THE WIDTH OF THE REPLACED PAVEMENT SECTION EXTEND 1-FOOT BEYOND THE TRENCH SIDE EDGE LINE, ON EITHER SIDE OF THE TRENCH. THE DEPTH OF THE PERMANENT SURFACE REPLACEMENT SHALL BE A MINIMUM OF 3 INCHES OR MATCH THE EXISTING THICKNESS OF THE PAVEMENT, WHICHEVER IS GREATER. SAWCUT OR CONSTRUCTION JOINTS SHALL BE ADEQUATELY TACK OILED WITH A MINIMUM OF 95 PERCENT COVERAGE. ASPHALT MATERIAL SHALL BE A COB APPROVED MIX DESIGN WITH COMPACTED LIFTS NO GREATER THAN 3 INCHES. SLURRY BACKFILLED OR OPEN TRENCHES IN EXISTING ROADWAYS MUST BE PROPERLY STEEL PLATED AND BARRICADED OVERNIGHT. STEEL PLATES TO BE MILLED FLUSH WITH ROADWAY SURFACE PER NOTE 24. "COLD MIX" TEMPORARY ASPHALT PATCHES MUST BE REPLACED AS SOON AS POSSIBLE AND CANNOT REMAIN FOR MORE THAN 5-DAYS' TIME OR AS REQUIRED BY THE COB. DURING THE 5-DAY PERIOD THE CONTRACTOR IS REQUIRED TO MAINTAIN THE PATCH TO WITHIN MAG STD SPEC 321.5.3. ASPHALT IN PLACE FOR LESS THAN 5 YEARS SHALL BE MILLED AND OVERLAID A MINIMUM OF 20-FEET PAST TRENCH WALLS, AND IN THE CASE OF MULTIPLE STREET CUTS, THE CONTINUOUS MILL AND OVERLAY SHALL EXTEND A MINIMUM OF 20-FEET PAST END OF THE FURTHEST TRENCH WALLS.
- POTHOLING:** NO POTHOLING SHALL BE DONE ON ANY STREET NEWER THAN 2-YEARS OLD. ALL POTHOLING IN EXISTING STREETS SHALL BE DONE USING WATER/AIR/VACUUM TYPE METHOD. POTHOLE SIZE SHALL BE LIMITED TO A 12-INCH BY 12-INCH SQUARE HOLE. REMOVAL MATERIAL CANNOT BE USED FOR BACKFILL. THE CONTRACTOR SHALL USE SLURRY PER MAG SEC. 728. PAVEMENT REPLACEMENT SHALL BE BY APPROVED HOT MIX ASPHALT ONLY. A 3-FOOT BY 3-FOOT PAVEMENT SLURRY SEAL SHALL BE APPLIED AFTER THE ASPHALT IS PLACED.
- AN APPROVED, UP-TO-DATE SET OF PLANS AND RIGHT-OF-WAY PERMIT SHALL BE MAINTAINED ON THE JOB SITE AT ALL TIMES WHILE WORK IS IN PROGRESS. IF THE PLANS AND PERMITS ARE NOT ON-SITE, THE WORK SHALL BE STOPPED UNTIL THE APPROVED PLANS ARE PROVIDED. DEVIATION FROM THE PLANS SHALL NOT BE ALLOWED WITHOUT THE COB'S APPROVAL.

- DAMAGE TO ANY AND ALL ITEMS CAUSED BY CONSTRUCTION OR CONSTRUCTION RELATED WORK SHALL BE REPLACED OR REPAIRED TO THE SAME OR BETTER CONDITION AT THE CONTRACTOR'S EXPENSE.
- ALL PARCEL CONSTRUCTION ACCESS LOCATIONS ARE SUBJECT TO THE CITY ENGINEER'S APPROVAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING PROPER AND ADEQUATE ACCESS ROADS INSIDE AND THROUGHOUT THE PARCEL ALLOWING FOR INSPECTION ACCESSIBILITY. THIS INCLUDES GRADING, GRAVEL FILL, AND/OR TRENCH PLATES, AS REQUIRED.
- THE CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE COB AND THE COB CONSULTANTS HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE COB.
- THE COB SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES UTILIZED IN CONNECTION WITH THE WORK. THE COB WILL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS COMPLYING WITH MAG OR COB REQUIREMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING CERTIFIED AS-BUILT RECORD DOCUMENTS TO THE COB FOR REVIEW AND APPROVAL. NO FINAL ACCEPTANCE SHALL BE ISSUED UNTIL "AS-BUILT" PLANS CERTIFIED BY THE PROJECT ENGINEER/LAND SURVEYOR HAVE BEEN SUBMITTED AND ACCEPTED BY THE COB. FINAL CONSTRUCTION ACCEPTANCE OR THE RELEASE OF CERTIFICATE OF OCCUPANCIES SHALL NOT BE ISSUED UNTIL ALL AS-BUILT DRAWINGS AND OTHER REQUIRED DOCUMENTS PER THE COB'S FINAL PROJECT SUBMITTAL CHECKLIST, HAVE BEEN REVIEWED AND APPROVED BY THE CITY ENGINEER.
- ARRANGEMENTS FOR CONSTRUCTION WATER CAN BE MADE BY CALLING THE COB WATER RESOURCE DEPARTMENT AT 623.349.6800 AND/OR ARIZONA WATER COMPANY AT 623.240.6860
- THE COB IS NOT RESPONSIBLE FOR LIABILITY ACCRUED DUE TO DELAYS AND/OR DAMAGES TO UTILITIES IN CONJUNCTION WITH THE CONSTRUCTION. ALSO, THE CITY WILL NOT PARTICIPATE IN THE COST OF CONSTRUCTION OR RELOCATION OF UTILITIES.
- ALL CONTRACTORS SHALL CONTRACT FOR TRASH PICKUP THROUGH A LICENSED CITY OF BUCKEYE SOLID WATER HAULER (602.237.2078) AND DISPOSED OF AT THE SOUTHWEST REGIONAL LANDFILL IN BUCKEYE.
- OPEN TRENCHES ACROSS DRIVEWAYS, STREETS, AND CROSS-STREETS SHALL BE PLATED FOR OVERNIGHT, WEEKEND, OR EXTENDED PERIODS, PER MAG UNIFORM STANDARD DETAIL 211.
- ALL ABC SHALL BE FROM AN ARIZONA DEPARTMENT OF TRANSPORTATION (ADOT) APPROVED SOURCE LIST.
- LONGITUDINAL TRENCH BACKFILL IN EXISTING ARTERIAL, COLLECTOR, OR LOCAL ROADWAYS OR ADJACENT TO EXISTING ROADWAY (WHEN THE TRENCH EXCAVATION FALLS WITHIN 2 FEET OF EDGE OF PAVEMENT) SHALL REQUIRE ½-SACK CLSM PER MAG SPEC 728 FULL DEPTH OR ABC FULL DEPTH AS DIRECTED BY THE COB. ABC BACKFILL COMPACTION SHALL BE BY AN APPROVED MECHANICAL METHOD (NO WATER SETTLING) WITH BACKFILL MATERIAL LIFTS AS FOLLOWS:
 - 12-INCH LIFTS (LOOSE) TO BE USED IN THE TOP 4 FEET OF THE TRENCH.
 - 24-INCH LIFTS (LOOSE) TO BE USED FROM 1 FOOT OVER THE PIPE TO 4 FEET FROM THE TOP OF THE TRENCH PER MAG SEC 601.4
- ALL BACKFILL WITHIN OR ADJACENT TO EXISTING ROADWAYS SHALL BE MECHANICALLY COMPACTED.
- TRANSVERSE TRENCH BACKFILL IN ALL EXISTING ROADWAYS SHALL REQUIRE 100 PERCENT FULL DEPTH HALF SACK CLSM PER MAG SPEC 728.
- ALL MATERIAL SUBMITTALS INCORPORATED IN THE PROJECT SHALL BE SUBMITTED AT OR BEFORE THE PRECONSTRUCTION MEETING FOR REVIEW AND APPROVAL BY THE CITY ENGINEER.

FCDMC GENERAL NOTES

- ALL CONSTRUCTION WITHIN FLOOD CONTROL DISTRICT (DISTRICT) RIGHTS-OF-WAY JURISDICTION SHALL CONFORM TO THE LATEST MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) SPECIFICATIONS, UNLESS THE STRUCTURE INVOLVED IS A DAM. IF THE STRUCTURE IS A DAM, SPECIAL PERMIT REQUIREMENTS WILL APPLY. DAM SHALL MEAN A STRUCTURE THAT IS UNDER THE JURISDICTION OF THE ARIZONA DEPARTMENT OF WATER RESOURCES AND IS DEFINED IN ARIZONA REVISED STATUES 45-1201.
- CONTRACTOR MUST OBTAIN NECESSARY DISTRICT PERMIT PRIOR TO COMMENCEMENT OF CONSTRUCTION WITHIN DISTRICT RIGHT-OF-WAY AND MAINTAIN A COPY OF THE PERMIT ON THE PROJECT SITE AT ALL TIMES.
- NOTIFY THE DISTRICT'S PERMITS INSPECTOR AT 602-506-4727 OR 602-506-4723 AT LEAST 48 HOURS PRIOR TO ANY WORK BEING PERFORMED IN THE DISTRICT'S RIGHT-OF-WAY.
- CONTRACTOR PERFORMING EXCAVATION OPERATIONS IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL UNDERGROUND UTILITIES.
- ALL COMPACTION AND BACKFILL WITHIN THE DISTRICT'S RIGHT-OF-WAY SHALL CONFORM TO THE LATEST MAG SPECIFICATIONS UNLESS STIPULATED OTHERWISE IN THE DISTRICT'S PERMIT.
- ANY DAMAGE TO DISTRICT'S STRUCTURES, EQUIPMENT, MATERIALS, VEGETATION, AND/OR PROPERTY SHALL BE REPLACED AND/OR REPAIRED IN-KIND TO THE SATISFACTION OF THE DISTRICT.

ENGINEER'S NOTES

THESE PLANS ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS THE APPROVAL BLOCK HAS BEEN SIGNED BY THE APPROPRIATE AGENCIES. ALL WORK SHALL CONFORM TO THE CURRENT M.A.G. SPECIFICATIONS AND STANDARD DETAILS TOGETHER WITH THE SUPPLEMENT OF THE APPROPRIATE AGENCY.

THE CONTRACTOR SHALL MAKE NO CLAIM AGAINST THE OWNER OR THE ENGINEER REGARDING ALLEGED INACCURACY OF CONSTRUCTION STAKES SET BY THE ENGINEER UNLESS ALL SURVEY STAKES SET BY THE ENGINEER ARE MAINTAINED INTACT AND CAN BE VERIFIED AS TO THEIR ORIGIN. IF, IN THE OPINION OF THE ENGINEER, THE STAKES ARE NOT MAINTAINED INTACT AND CANNOT BE VERIFIED AS TO THEIR ORIGIN, ANY REMEDIAL WORK REQUIRED TO CORRECT ANY ITEM OR IMPROPER CONSTRUCTION WORK IN THIS DEVELOPMENT SHALL BE PERFORMED AT THE SOLE EXPENSE OF THE RESPONSIBLE CONTRACTOR OR SUBCONTRACTOR.

NOTHING CONTAINED IN THE CONTRACT DOCUMENTS SHALL CREATE, NOR SHALL BE CONSTRUED TO CREATE, ANY CONTRACTUAL RELATIONSHIP BETWEEN THE ENGINEER AND THE CONTRACTOR OR ANY SUBCONTRACTOR.

THE ENGINEER AND/OR OWNER ARE NOT RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OR FOR SAFETY PRECAUTIONS OR PROGRAMS UTILIZED IN CONNECTION WITH THE WORK. THE ENGINEER AND/OR OWNER ARE NOT RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS NOR ANY COSTS INCURRED, WHETHER INITIAL OR ADDITIONAL, TO CORRECT, MODIFY, OR ALTER ANY CONSTRUCTION COMPLETED CONTRARY TO THE CONTRACT DOCUMENTS.

THE CONTRACTOR SHALL, IN ALL CASES, BEGIN SEWERLINE CONSTRUCTION FROM THE DOWNSTREAM MANHOLE OR SEWER STUB, WHETHER EXISTING OR PROPOSED. PRIOR TO INSTALLATION OF ANY SEWER LINE, THE CONTRACTOR SHALL EXCAVATE AND EXPOSE THE POINT OF CONNECTION OF NEW SEWERLINE TO THE EXISTING STUB OR MANHOLE AND VERIFY THE ELEVATION AND LOCATION. SHOULD THE EXISTING CONDITION VARY FROM THE DESIGN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONTINUING WORK.

THE ENGINEER WILL MAKE FIELD RECORD DRAWING MEASUREMENTS OF THE WORK UPON NOTIFICATION BY THE WATER/SEWER CONTRACTOR THAT THE PIPE WORK IS COMPLETE AND READY FOR RECORD DRAWING SURVEY. IF THE CONTRACTOR DOES NOT LEAVE THE TRENCHES OPEN SO THAT THE ACTUAL PIPE LINE AND SERVICES CAN BE OBSERVED, THE RECORD DRAWING MEASUREMENTS WILL REFLECT THE TRENCH LOCATION ONLY. IF THE TRENCHES ARE BACKFILLED AND OBTSCURED TO THE POINT THAT RECORD DRAWING MEASUREMENTS CANNOT BE PERFORMED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ACCURATE RECORD DRAWING MEASUREMENTS AND SECURING THE ACCEPTANCE OF THE RECORD DRAWING BY THE JURISDICTIONAL AGENCY.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER BEFORE THE FITTINGS ARE COVERED SO RECORD DRAWING MEASUREMENTS MAY BE TAKEN. FITTINGS SHALL NOT BE COVERED UNTIL SURVEYS HAVE BEEN COMPLETED.

A THOROUGH ATTEMPT HAS BEEN MADE TO SHOW THE LOCATIONS OF ALL UNDERGROUND OBSTRUCTIONS AND UTILITY LINES IN THE WORK AREA, HOWEVER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO OBSTRUCTIONS AND UTILITY LINES ENCOUNTERED DURING CONSTRUCTION AND SHALL DETERMINE THE EXACT LOCATION OF UTILITIES IN THE AREA.

ALL EARTHWORK CONSTRUCTION SHALL CONFORM TO THE LATEST MARICOPA ASSOCIATION OF GOVERNMENTS STANDARD DETAILS AND/OR SPECIFICATIONS INCLUDING ANY SUPPLEMENTS THERETO AND THE SOILS REPORT PREPARED BY:

NINYO AND MOORE PROJECT No. 62257001

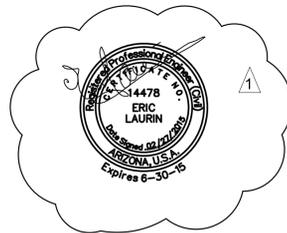
WHITE TANKS FLOOD RETARDING STRUCTURE No. 4 DATED 12/17/14:

APPENDIX B NORTHWEST DAM EXTENSION; AND ADDENDUM 1 ISSUED 12/17/14

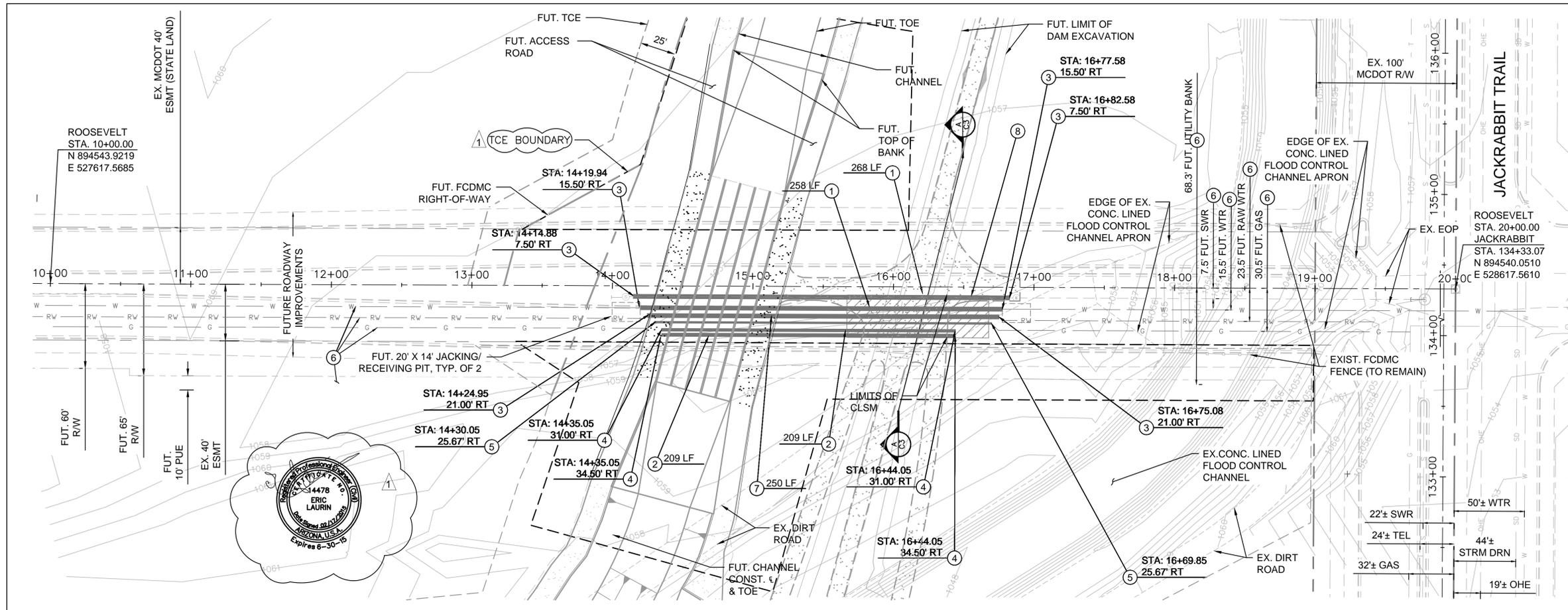
MARICOPA COUNTY HEALTH NOTES

"IN ACCORDANCE WITH AAC R18-9-213B, ALL MATERIALS ADDED AFTER JANUARY 1, 1993 WHICH MAY COME INTO CONTACT WITH DRINKING WATER SHALL CONFORM TO NATIONAL SANITATION FOUNDATION STANDARDS 60 AND 61."

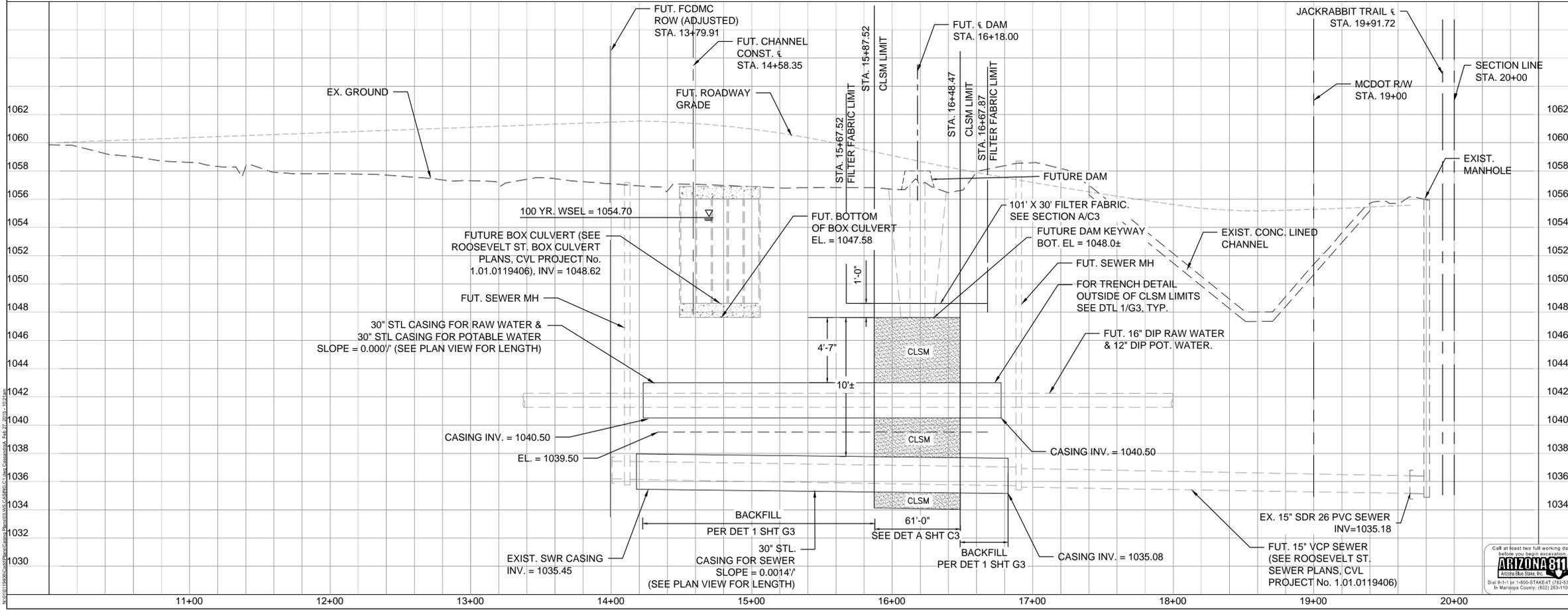
THE AAC R18-9-213B CAN BE OBTAINED FROM THE OFFICE OF THE ARIZONA SECRETARY OF STATE (602) 542-4086. THE NATIONAL SANITATION FOUNDATION STANDARDS 60 AND 61 LISTINGS CAN BE OBTAINED FROM NSF INTERNATIONAL (313) 769-8010.



MANAGING ENGINEERING SURVEYOR RYAN WEED	PROJECT COORDINATOR BARBARA RUST	DESIGN LAYOUT DRAFTED	EL CHECKED	FIELD SURVEY DRAFTED	DRAWING SHEET NUMBER NO SCALE
		FR	MA	CVL	
GENERAL NOTES		COE & VAN LOO CONSULTANTS, INC PLANNING ENGINEERING LANDSCAPE ARCHITECTURE 4550 NORTH 12TH STREET PHOENIX, ARIZONA 85014 TELEPHONE (602) 264-6831 WWW.CVL.CI.COM			
		ROOSEVELT STREET UTILITY CROSSING			
REVISIONS: 1 GEOTECH REPORT - 02/27/15 2 3					
COB PERMITTING APPROVED STAMP		COB ENGINEERING APPROVED STAMP			
POSSIBLE AS-BUILT SEAL		DESIGN SEAL 			
ORIGINAL PLAN DATE 11/26/2013		LATEST REVISION DATE 02/27/2015			
PROJECT NUMBER 01-0119406		SHEET NUMBER G2			
Call at least two full working days before you begin excavation. ARIZONA 811 Arizona Blue Stakes, Inc. One Six Five West 148th Street, Suite 117 (750-5348) In Maricopa County: (602) 263-1100		COB PLAN NUMBER # ENG - 13 00499 COB PERMIT #			

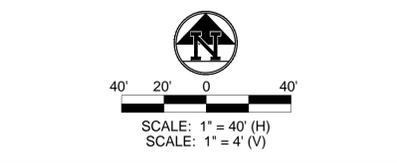


ROOSEVELT STREET



CONSTRUCTION NOTES

- CASINGS**
- 1 INSTALL 30" STL CASING (ASTM A283 GRADE C) WITH WALL THICKNESS OF 0.375" (MIN), FABRICATED & WELDED IN ACCORDANCE WITH AWWA C-200 AND AWC STD DTL E-9-24-1
 - 2 INSTALL DRY UTILITY BANK. SEE DETAILS 1/C3 & 2/C3.
 - 3 INSTALL CASING PLUG. SEE DETAIL 2/G3.
 - 4 ALL CONDUITS FOR DRY UTILITIES SHALL BE SCH 40 PVC PIPE. EXTEND PVC PIPES 1'-0" BEYOND CONCRETE ENCASUREMENT AND INSTALL SOLVENT WELDED PVC END CAP ON EACH LINE.
 - 5 INSTALL 10" PVC SCH 40 NATURAL GAS SLEEVING WITH SOLVENT WELDED JOINTS & SOLVENT WELDED PVC END CAP
 - 6 FUTURE WET & DRY UTILITY ALIGNMENTS SHOWN FOR INFORMATIONAL PURPOSES ONLY.
 - 7 INSTALL 30" STL CASING (ASTM A283 GRADE C) WITH WALL THICKNESS OF 0.375" (MIN), FABRICATED & WELDED IN ACCORDANCE WITH AWWA C-200 AND AWC STD DTL E-9-24-1. SEE SHEET G3 FOR DETAIL
 - 8 PLACE 101' LONG X 30' WIDE FILTER FABRIC 1'-0" ABOVE CLSM ON THE AREA OF FUTURE DAM CONSTRUCTION. FILTER FABRIC SHALL BE MIRAFIL 140 NC 4 OZ. OR EQUAL.



- REVISIONS:
- 1 TCE BOUNDARY MODIFIED. 2/17/15
 - 2
 - 3

ENGINEER INFORMATION

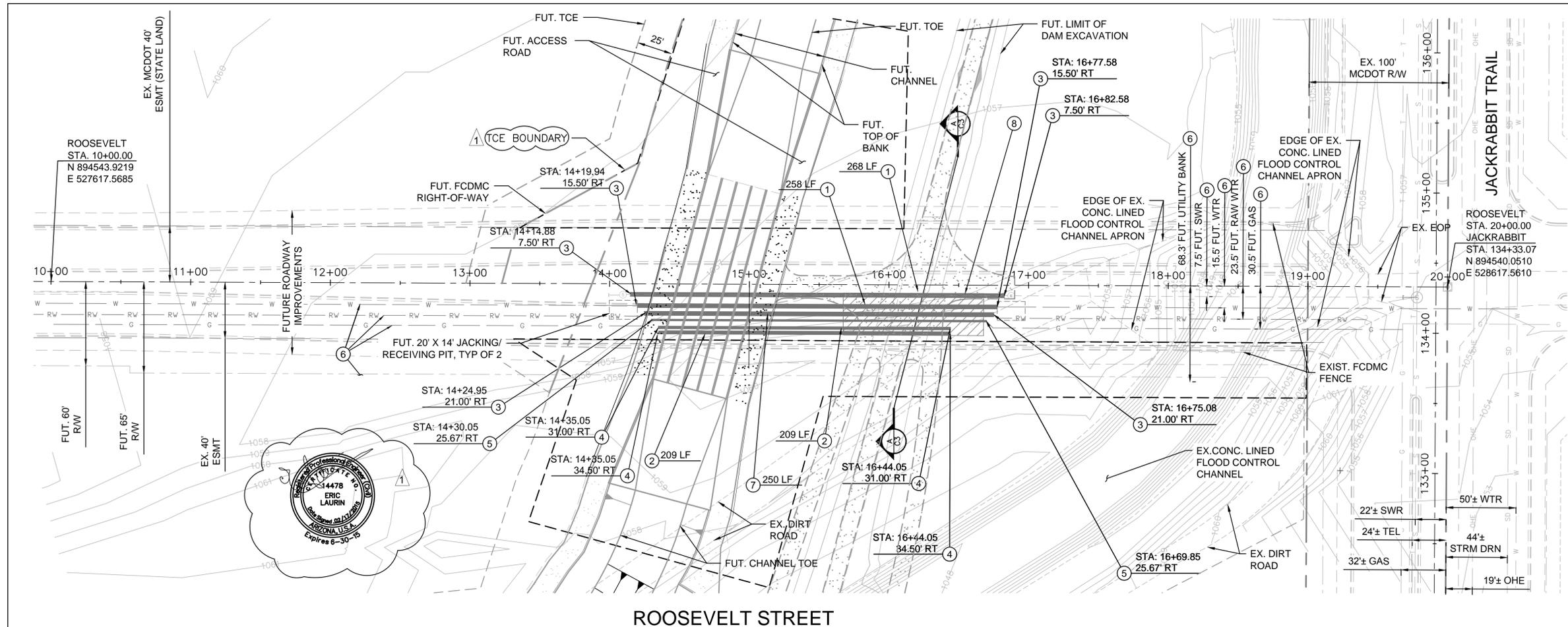
CVL COE & VAN LOO CONSULTANTS, INC.
 4550 NORTH 12TH STREET
 PHOENIX, ARIZONA 85014
 TELEPHONE (602) 264-6831
 WWW.CVLCCI.COM

ROOSEVELT STREET UTILITY CROSSING PLAN & PROFILE - WET UTILITIES

DESIGNER SEAL	DESIGNER SEAL
DATE	DATE
PROJECT NUMBER	SHEET NUMBER
01-0119406	C1



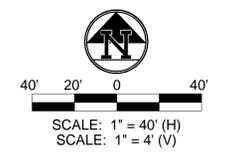
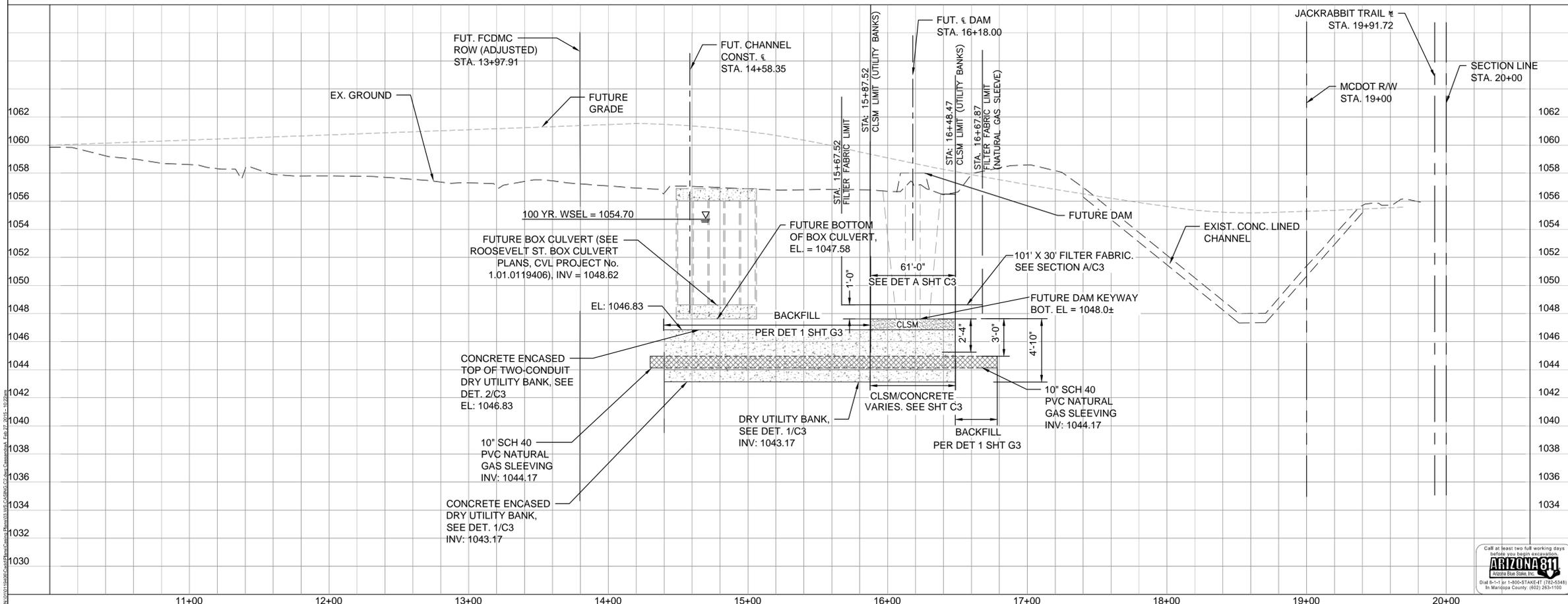
ENG - 13 00499



CONSTRUCTION NOTES

- CASINGS**
- INSTALL 30" STL. CASING (ASTM A283 GRADE C) WITH WALL THICKNESS OF 0.375" (MIN), FABRICATED & WELDED IN ACCORDANCE WITH AWWA C-200 AND AWC STD DTL E-9-24-1
 - INSTALL DRY UTILITY BANK. SEE DETAILS 1/C3 & 2/C3.
 - INSTALL CASING PLUG. SEE DETAIL 2/G3.
 - ALL CONDUITS FOR DRY UTILITIES SHALL BE SCH 40 PVC PIPE. EXTEND PVC PIPES 1'-0" BEYOND CONCRETE ENCASMENT AND INSTALL SOLVENT WELDED PVC END CAP ON EACH LINE.
 - INSTALL 10" PVC SCH 40 NATURAL GAS SLEEVING WITH SOLVENT WELDED JOINTS & SOLVENT WELDED PVC END CAP
 - FUTURE WET & DRY UTILITY ALIGNMENTS SHOWN FOR INFORMATIONAL PURPOSES ONLY.
 - PLACE 101' LONG X 30' WIDE FILTER FABRIC 1'-0" ABOVE CLSM ON THE AREA OF FUTURE DAM CONSTRUCTION. FILTER FABRIC SHALL BE MIRAFIL 140 NC 4 OZ. OR EQUAL.
 -

ROOSEVELT STREET



- REVISIONS:**
- TCE BOUNDARY MODIFIED. 2/17/15
 -
 -

ENGINEER INFORMATION
CVL COE & VAN LOO CONSULTANTS, INC.
 4550 NORTH 12TH STREET
 PHOENIX, ARIZONA 85014
 TELEPHONE (602) 264-6831
 WWW.CVL.COM

ROOSEVELT STREET UTILITY CROSSING PLAN & PROFILE - DRY UTILITIES

COE PERMITTING APPROVED SEAL	COE ENGINEERING APPROVED SEAL
DESIGNER SEAL	DESIGNER SEAL
ORIGINAL PLAN DATE: 11/26/2013	LATEST REVISION DATE: 02/27/2015
PROJECT NUMBER: 01-0119406	SHEET NUMBER: C2



ENG - 13 00499

