

GENERAL NOTES

1. ALL PUBLIC IMPROVEMENT CONSTRUCTION WITHIN THE PUBLIC RIGHT-OF-WAY AND ONSITE SHALL BE CONDUCTED IN ACCORDANCE WITH, AND CONFORM TO, THE LATEST EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND UNIFORM STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION, BOTH AS PUBLISHED BY THE MARICOPA ASSOCIATION OF GOVERNMENTS (M.A.G.).
2. INSPECTION OF WORK PER M.A.G. 105.10: THE ENGINEER SHALL BE PERMITTED TO INSPECT ALL MATERIALS, AND EACH PART OR DETAIL OF THE WORK AT ANY TIME FOR THE PURPOSE OF EXPEDITING AND FACILITATING THE PROGRESS OF WORK. HE SHALL BE FURNISHED WITH SUCH INFORMATION AND ASSISTANCE BY THE CONTRACTOR, AS IS REQUIRED TO MAKE A COMPLETE AND DETAILED INSPECTION. THE CITY ENGINEER REQUIRES THAT THE ACTUAL TEST RESULT DATA SHEET ACCOMPANY ALL COMPACTION TEST RESULTS SUBMITTED TO THE CITY'S INSPECTOR. PASS/FAIL STATEMENTS ARE NOT ACCEPTABLE WITHOUT THE ATTACHED DATA SHEET. FAILURE TO SUBMIT THE TEST RESULT DATA SHEETS WILL RESULT IN AN INCOMPLETE SUBMITTAL AND THE TEST WILL BE REJECTED.
3. IN THE EVENT OF CONFLICT BETWEEN M.A.G. STANDARD SPECIFICATIONS AND STANDARD DETAILS AND THESE PLANS, THESE PLANS SHALL PREVAIL.
4. THE OFFICE OF THE CITY ENGINEER SHALL BE NOTIFIED AT LEAST FORTY EIGHT (48) HOURS PRIOR TO THE COMMENCEMENT OF ANY WORK WITHIN THE CITY RIGHT-OF-WAY. TELEPHONE: 520-466-3082.
5. CONTRACTOR IS TO NOTIFY ALL PUBLIC UTILITIES AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, FOR FIELD LOCATIONS OF THEIR RESPECTIVE FACILITIES, BY CONTACTING THE FOLLOWING: BLUE STAKE NUMBER: 1-800-782-5348.
6. CONTRACTOR SHALL COORDINATE AND MAKE ARRANGEMENTS FOR RELOCATION OF ANY UTILITIES CONFLICTING WITH THE PROPOSED CONSTRUCTION OF THESE PLANS, WITH THE APPROPRIATE UTILITY.
7. REMOVAL AND REPLACEMENT OF ALL TREES, SHRUBS, VEGETATION, MISCELLANEOUS STRUCTURES, DEBRIS, RUBBLE AND OTHER DELETERIOUS MATERIALS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE AT THE CONTRACTOR'S EXPENSE.
8. ALL CONCRETE SIDEWALKS, DRIVEWAY, APRONS, CROSS-PANS, VALLEY GUTTER, CURBS AND GUTTERS LANDSCAPING AND IRRIGATION THAT MAY BE DAMAGED DURING THE COURSE OF CONSTRUCTION SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
9. SHORING IS TO BE INSTALLED OR A TRENCH BOX IS TO BE USED, IN ALL TRENCHES IN EXCESS OF FIVE (5') FEET IN DEPTH. A REGISTERED CIVIL ENGINEER OR SOILS ENGINEER SHALL CERTIFY SHORING INSTALLATION PLANS, DETAILS AND SPECIFICATIONS. SHORING MUST CONFORM TO OSHA 29 CFR, PART 1926, AND SUBPART D.
10. COMPACTION TESTING IS REQUIRED AND MUST BE PERFORMED IN THE PRESENCE OF A REPRESENTATIVE OF THE CITY ENGINEER.

BACKFILL: BACKFILL WITHIN THE PUBLIC UTILITY EASEMENT AND WITHIN PUBLIC STREET RIGHT-OF-WAY COMPACT TO 95% OF MAXIMUM THEORETICAL DENSITY PER ASTM D698. ALL MATERIALS OUTSIDE THE MOISTURE LIMIT SHALL BE CONSIDERED UNSUITABLE, AND SUBJECT TO REMOVAL. NO HYDRAULIC COMPACTION OR WATER JET COMPACTION WILL BE ALLOWED. ALL COMPACTION MUST BE DONE BY MECHANICAL MEANS. MOISTURE LIMIT SPEC. 2.0 PERCENT BELOW OPTIMUM MOISTURE, MATERIAL SHALL BE UNIFORM.

SUB-GRADE: SUB-GRADE PREPARATION FOR ALL NEW STREETS AND ROADWAYS SHALL CONSIST OF SCARIFYING AND LOOSENING SUB-GRADE TO A DEPTH OF SIX (6") INCHES. SUB-GRADE SHALL BE CONSTRUCTED TO ACHIEVE UNIFORM MOISTURE CONTENT BY THE ADDITION OF WATER AND COMPACTED TO 95% OF MAXIMUM DENSITY. MOISTURE SHALL BE MAINTAINED BETWEEN OPTIMUM AND 4.0% BELOW OPTIMUM MOISTURE AND SHALL BE COMPACTED TO 95% ON MAXIMUM THEORETICAL DENSITY, AS DETERMINED BY ASTM D698. ALL MATERIALS OUTSIDE THE MOISTURE LIMIT AT THE TIME OF PLACEMENT AND COMPACTION SHALL BE CONSIDERED UNSUITABLE AND SUBJECT TO REMOVAL. THE FINISHED SURFACE OF THE SUB-GRADE SHALL NOT VARY FROM THE GRADES ESTABLISHED BY THE CITY ENGINEER BY MORE THAN: 0.04 OF A FOOT ABOVE OR BELOW SPECIFIED GRADE.

11. INSTALL FOUR (4") INCHES OF AGGREGATE BASE COURSE MATERIAL, COMPACTED TO 100% UNDER ALL SIDEWALKS, ALLEYWAY AND DRIVEWAY ENTRANCES.
12. GRADING OF AGGREGATE BASES AND AGGREGATE SUB-BASE SHALL BE AS FOLLOWS: AGGREGATE MATERIALS SHALL HAVE WATER ADDED TO THEM AND SHALL BE MIXED AND PROCESSED TO PRODUCE A UNIFORM BLEND OF MATERIAL BEFORE PLACEMENT. AFTER PROCESSING, THE MATERIAL SHALL BE PLACED AND SPREAD ON THE PREPARED SUB-GRADE AND SHALL BE PLACED IN A UNIFORM LAYER OR LAYERS NOT EXCEEDING SIX (6") INCHES IN COMPACTED DEPTH, UNLESS OTHERWISE APPROVED IN WRITING BY THE CITY ENGINEER. EACH LAYER OF AGGREGATE BASE SHALL BE COMPACTED TO A DENSITY OF NOT LESS THEN 100% OF THE MAXIMUM DENSITY. THE FINISHED SURFACE OF THE SUB-GRADE SHALL NOT VARY FROM THE GRADES ESTABLISHED BY THE CITY ENGINEER BY MORE THAN: 0.04 OF A FOOT ABOVE OR BELOW SPECIFIED GRADE.

13. COMPACTION TESTING FOR SUB-GRADE WILL BE DONE AFTER THE SUB-GRADE HAS BEEN STRING LINED AND IS WITHIN TOLERANCE AND ACCEPTED BY THE CITY ENGINEER. THE CITY ENGINEER OR HIS REPRESENTATIVE WILL DIRECT THE NUMBER AND LOCATION OF DENSITY TESTS. ALL SUB-GRADES SHALL HAVE A BLUE-TOF ELEVATION SET TO FINISHED GRADE AND LEFT AND RIGHT EDGES OF PAVEMENT, AND CENTERLINE OF ROADWAY.

14. ONE (1) SAND CONE TEST SHALL BE REQUIRED FOR EVERY TEN (10) NUCLEAR DENSITY TESTS PERFORMED, OR WHEN HAVE REQUESTED BY THE CITY ENGINEER OR HIS REPRESENTATIVE. THE CITY ENGINEER OR ENGINEER'S REPRESENTATIVE SHALL DETERMINE THE LOCATIONS OF THESE SAND CONE TESTS.

15. ALL MATERIALS, INCLUDING BUT NOT LIMITED TO AGGREGATE BASE COURSE, BORROW MATERIAL AND NATIVE MATERIAL, WILL BE ACCEPTED IN PLACE ONLY. TESTING REQUIRED FOR ACCEPTANCE WILL INCLUDE A SIEVE ANALYSIS AND PLASTICITY INDEX, (P.I.), DETERMINATION OF MAXIMUM THEORETICAL DENSITY WILL BE IN ACCORDANCE WITH ASTM D698. ONLY A FOUR POINT PROCTOR TEST WILL BE ACCEPTED.

16. THE BASE COURSE SHALL NOT BE PLACED ON SUB-GRADE UNTIL THE CITY ENGINEER HAS ACCEPTED THE SUB-GRADE. ALL MATERIALS WILL BE ACCEPTED IN PLACE ONLY.

17. COMPACTION DENSITIES: M.A.G. TYPE I BACKFILL MATERIAL (SECTION 601.4.4) IS MODIFIED TO INCLUDE AREAS UNDER THE PAVEMENT, RIGHT-OF-WAY, AND EASEMENTS FOR ALL TRENCHES INCLUDING SEWER, WATER, ELECTRIC, GAS, TELEPHONE, AND STORM DRAINS. MOISTURE SPEC. 2.0 PERCENT BELOW OPTIMUM MOISTURE COMPACT TO 95% OF MAXIMUM THEORETICAL DENSITY. ALL MATERIALS OUTSIDE THE MOISTURE SPEC-LIMIT SHALL BE CONSIDERED UNSUITABLE, SUBJECT TO REMOVAL AND MATERIAL SHALL BE UNIFORM.

18. THE LOCATION OF ALL SEWER STUB-OUTS SHALL BE STAMPED ON THE TOP OF VERTICAL CURB, AND FACE OF ROLLED CURBS, WITH A FOUR (4") INCH HIGH LETTERS (IE: "S").

19. ALL CURB, GUTTER AND SIDEWALK EXPANSION JOINT FILLER WILL BE 1/2" BITUMINOUS PRE-MOLDED STRIPS. ALL EXPANSION JOINT SPACING SHALL NOT EXCEED A MAXIMUM OF (50') FEET OR AS DIRECTED BY THE CITY ENGINEER. CONCRETE CURING COMPOUND MATERIAL SHALL BE A WHITE PIGMENT MEMBRANE USED ON ALL CONCRETE STRUCTURES INCLUDING CURB & GUTTER, SIDEWALK, HEADWALL, CATCH BASINS AND SIDEWALK RAMPS.

20. PAVING WILL NOT COMMENCE UNTIL AGGREGATE BASE COURSE COMPACTION AND GRADATION TESTS ARE COMPLETED AND THE CITY ENGINEER ACCEPTS THE RESULTS.

21. NO TRENCH IN PUBLIC RIGHT-OF-WAY SHALL BE LESS THAN TWELVE (12") IN WIDTH TO ENSURE PROPER COMPACTION AND TESTING.

STAKING NOTES

CALL THE BLUE STAKE CENTER (263-1100) 48 HOURS BEFORE DIGGING FOR LOCATION OF UNDERGROUND UTILITIES AND NOTIFY SRP.

ALL OFFSET OR REFERENCE STAKES SET BY THE ENGINEER ARE TO BE MAINTAINED INTACT. NO CLAIMS FOR ADDITIONAL COMPENSATION FOR CORRECTION SHALL BE PRESENTED TO ANY PARTY UNLESS SUCH STAKES ARE PRESENT AND THEIR ORIGIN IS VERIFIED. IF STAKES ARE NOT MAINTAINED INTACT ALL CORRECTIONS SHALL BE MADE BY THE CONTRACTOR AT HIS EXPENSE.

ONE SET OF STAKES WILL BE FURNISHED BY THE OWNER FOR THE WATER LINE, WATER SERVICES, FIRE HYDRANT LOCATIONS AND GRADE, SEWER LINES AND SERVICES, CONCRETE, SUBGRADE AND A.B.C.. ALL ADDITIONAL STAKING TO BE CHARGE TO THE CONTRACTOR. 24 WORKING HOUR NOTICE IS REQUIRE FOR STAKING BY THE SUBDIVISION ENGINEER.

AS-BUILTS CERTIFICATION

I HEREBY CERTIFY THAT THE "AS-BUILT" MEASUREMENTS AS SHOWN OR NOTED HEREON WERE MADE BY MYSELF OR UNDER MY SUPERVISION AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SIGNATURE

DATE

OFFSITE POTABLE & RAW WATERLINE PLANS

FOR NATIONAL GYPSUM COMPANY

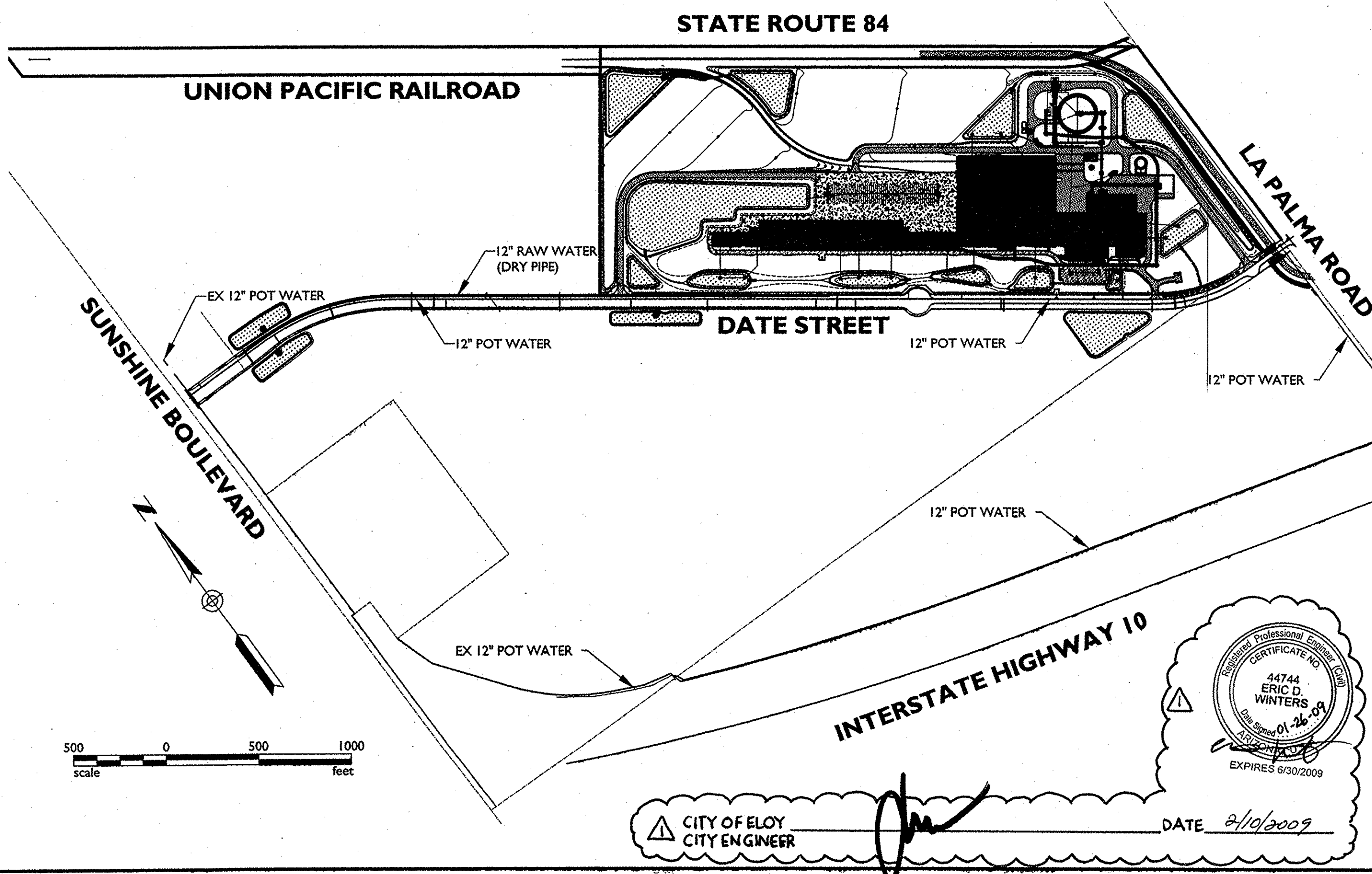
ELOY, ARIZONA

A portion of Section 8 & Section 17, T. 8 S., R. 8 E., of the Gila and Salt River Meridian,
Pinal County, Arizona

ESTIMATED QUANTITIES

QUANTITIES ARE FOR ESTIMATING PURPOSES ONLY.
ENGINEER MAKES NO GUARANTEE OF ACCURACY.

ITEM	QUANTITY
24 SAWCUT, REMOVE & REPLACE PAVEMENT W/ "T" TOP AND 1/2 SACK SLURRY CLSM BACKFILL MAG 200	14 SY
27 ADJUST FRAME & COVER MAG 270	1 EA
28 ADJUST FRAME & COVER MAG 391-I-C	15 EA
308 6" PVC C-900 WATERLINE CL 150 (ELOY SWD-1000)	135 LF
30T 12" PVC C-900 WATERLINE CL 150 (ELOY SWD-1000)	14632 LF
31A 6" D.I.P. POLY WRAP CL 350 WATERLINE	489 LF
31B 8" D.I.P. POLY WRAP CL 350 WATERLINE	498 LF
31C 12" D.I.P. POLY WRAP CL 350 WATERLINE	325 LF
32 1" AIR RELEASE VALVE (ELOY SWD-500-I)	2 EA
34 6" WATER VALVE MAG 391-I-C & 392-C	4 EA
34A 8" WATER VALVE MAG 391-I-C & 392-C	9 EA
34B 12" WATER VALVE MAG 391-I-C & 392-C	45 EA
36 FIRE HYDRANT ASSEMBLY MAG 360 & MAG SPEC. SECTION 345	14 EA
38 STEEL CASING PIPE, SEE DETAIL SHEET 2	100 LF
39A 1" WATER SERVICE, WATER METER & BOX (ELOY SWD-700-I)	1 EA
39B 2" WATER SERVICE, WATER METER & BOX (ELOY SWD-760)	1 EA
39C 4" WATER SERVICE, WATER METER & VAULT (MAG 345-I)	1 EA
41A WATER PLUG W/FLUSHING PIPE (ELOY SWD-600, W/ CONCRETE THRUST BLOCK RESTRAINTS MAG 380 & 381).	12 EA



RESPONSIBLE PARTY

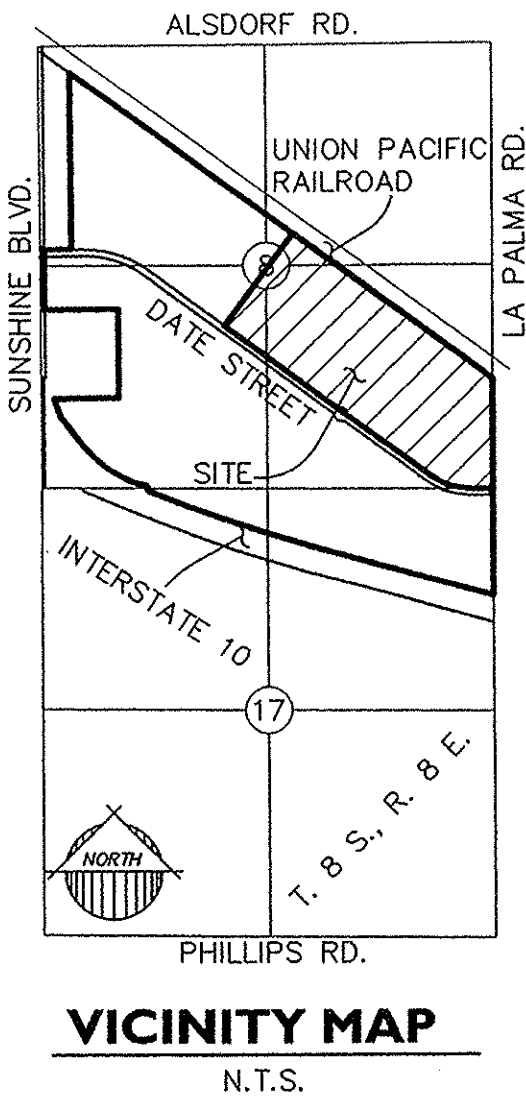
NEW NGC, INC.
2001 REXFORD ROAD
CHARLOTTE, NC 28211
PHONE (704)-365-7300
FAX (704)-365-7316
CONTACT: JOE BROWN

GENERAL CONTRACTOR

BOVIS LEND LEASE
2550 WEST TYVOLA ROAD, SUITE 600
CHARLOTTE, NC 28217
PHONE (704)-357-2899
FAX (704)-357-2992
CONTACT: MIKE CHAMBERLAIN

ENGINEER

EPS GROUP, INC.
2150-I S. COUNTRY CLUB DR., STE 22
MESA, AZ 85210
PHONE (480)-503-2250
FAX (480)-503-2258
CONTACT: ERIC WINTERS, PE



NATIONAL GYPSUM CO. PHYSICAL ADDRESS:
750 E. DATE STREET
ELOY, ARIZONA 85231

NOTE:
THESE PLANS ARE SUBJECT TO THE INTERPRETATION OF INTENT BY THE ENGINEER. ALL QUESTIONS REGARDING THESE PLANS SHALL BE PRESENTED TO THE ENGINEER. ANYONE WHO TAKES UPON HIMSELF THE INTERPRETATION OF THE DRAWINGS OR MAKES REVISIONS TO THEM WITHOUT CONFERRING WITH THE ENGINEER SHALL BE RESPONSIBLE FOR THE CONSEQUENCES THEREOF.

COORDINATION LIST

DESCRIPTION	REPRESENTATIVE	PHONE
ARIZONA PUBLIC SERVICE CO.	JEFF CREEDON	520-421-8395
EAGLE WEST CABLE	PETE COLLINGS	800-558-5564
ELECTRIC DISTRICT NO. 4	RON WILHITE	520-466-7336
EL PASO GAS CO.	RON BROWN	602-438-4232
SOUTHWEST GAS CO.	ROY ARCHER	520-421-1548
QWEST COMMUNICATIONS	RICK PETERS	520-836-1997
KINDER MORGAN	DON QUINN	714-560-4400

SHEET INDEX

DESCRIPTION	SHEET NO.
COVER SHEET	CS01
NOTES & DETAIL SHEET	CS02
INDEX SHEET	CS03
OFFSITE POTABLE & RAW WATERLINE PLANS	WP01-WP04
OFFSITE POTABLE WATERLINE PLANS	WP05-WP12

BENCHMARK

NGS STATION S363
NAVD 88
ELEV: 1553.80
SUBTRACT 0.29' FROM ELEVATIONS SHOWN
ON THESE PLANS FOR CURRENT CITY OF
ELOY DATUM.

BASIS OF BEARING

THE WEST LINE OF THE SOUTHWEST QUARTER
OF SECTION 8, T. 8 S., R. 8 E. AS USED BY SOUTHWESTERN STATES
SURVEYING ALTA/ACSM LAND TITLE SURVEYS JOB NO. 230577,
DATED 6/30/03 AND JOB NO. 2509128 DATED 9/27/05

BEARING: N00°30'00"W

APPROVALS

THE AUTHORIZED REPRESENTATIVES OF THE FOLLOWING AGENCIES HEREBY
ACKNOWLEDGE OR HAVE ACKNOWLEDGED THAT THEY HAVE REVIEWED AND
APPROVED THE DESIGN SHOWN BY THESE DRAWINGS. CONSTRUCTION MAY
BEGIN AFTER ALL APPROPRIATE PERMITS HAVE BEEN OBTAINED.

CITY OF ELOY
CITY ENGINEER
DATE Sept 20, 2007

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

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
BY LETTER
FILE NO. 20070324
DATE 07/03/07

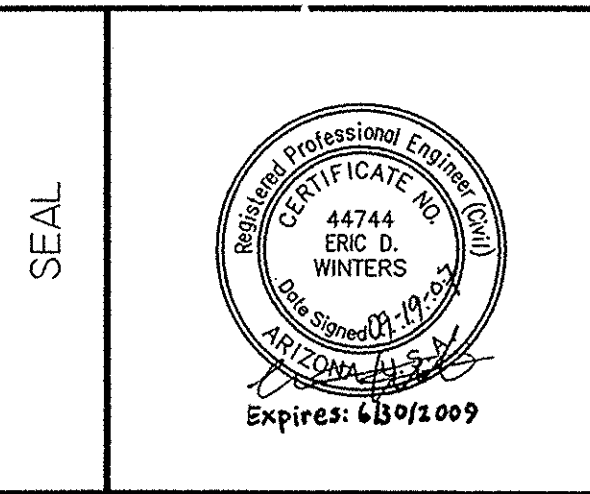
IN ACCORDANCE WITH AAC R-18-4 I 19, ALL MATERIALS ADDED AFTER JANUARY 1,
1993 WHICH MAY COME INTO CONTACT WITH DRINKING WATER SHALL CONFORM
TO NATIONAL SANITATION FOUNDATION STANDARDS 60 AND 61.

NEW WALLBOARD FACILITY
FOR

National Gypsum Company
ELOY, ARIZONA

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NATIONAL GYPSUM PROPERTIES, LLC.

Geps group, Inc.
Engineers, Planners & Surveyors
2150-I S. Country Club Dr., Ste. 22
Mesa, Arizona 85210
Phone (480) 503-2250
Fax (480) 503-2258
www.epsgroupinc.com



REV	DATE	DRAWN	DESCRIPTION
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11-20-08 ADDITION OF STORM DRAIN EQUALIZER PIPE W/NECESSARY
REMOVAL & REPLACEMENT AFTER ORIGINAL CONSTRUCTION
11-20-08 ADDITION OF PIPE CULVERTS WITH NECESSARY
REMOVAL & REPLACEMENT AFTER ORIGINAL CONSTRUCTION

THIS DOCUMENT HAS BEEN ISSUED SOLELY FOR THE
PURPOSE(S) NOTED IN THE REVISION BLOCK. UNTIL THIS
SHEET HAS BEEN SPECIALLY ISSUED FOR CONSTRUCTION,
FINAL PROJECT COORDINATION IS INCOMPLETE AND THE
INFORMATION SHOWN HERE IS SUBJECT TO REVISION.

NOTE: PROVIDE NATIONAL GYPSUM PRODUCTS FOR ALL APPLICABLE
MATERIALS. PRODUCTS FROM COMPETITORS TO NATIONAL GYPSUM COMPANY
SHALL NOT BE ACCEPTABLE.

SHEET TITLE

COVER SHEET

DRAWN: MPZ	CHECKED: AMT	APPROVED: EDW	PROJECT: 07-013	CAD NAME: CS01
SHEET SIZE: 24x36	PLOT FACTOR: PAPER	DATE: 04-27-07	SCALE: 1"=500'	

DRAWING NUMBER
07-013-CS01
1 of 15

1. ALL CONSTRUCTION SHALL CONFORM TO THE MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) STANDARD SPECIFICATIONS AND STANDARD STANDARD DETAILS FOR PUBLIC WORKS AND TO THE CITY OF ELOY SUPPLEMENTAL STANDARD DETAILS. ALL WORK SHALL BE PERFORMED BY A CONTRACTOR LICENSED BY THE STATE OF ARIZONA AS DETERMINED BY THE ARIZONA REGISTRAR OF CONTRACTORS (A, A-12, A-16). A COPY OF ALL APPLICABLE DETAILS SHALL BE ON THE PROJECT SITE AT ALL TIMES WHILE WORK IS BEING PERFORMED.

2. PRECONSTRUCTION PROCEDURE:
A. ALL PLANS MUST BE APPROVED AND SIGNED BY THE CITY OF ELOY.
B. WORK SHALL NOT COMMENCE UNTIL A WRITTEN "NOTICE TO PROCEED" HAS BEEN ISSUED BY THE CITY ENGINEER.
C. THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER A MINIMUM OF THREE DAYS IN ADVANCE OF CONSTRUCTION TO REQUEST A PRECONSTRUCTION MEETING ONLY AFTER RECEIVING APPROVED PLANS, AND THE "CERTIFICATION OF APPROVAL TO CONSTRUCT" FROM THE ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY AND THE SIGNED CONSTRUCTION AGREEMENT.
D. THE CONTRACTOR SHALL NOT COMMENCE PRIOR TO BEING ISSUED A NOTICE TO PROCEED.
E. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED TO COMPLETE THE WORK.

3. LAYOUT/CUT SHEET SUBMITTAL:
A. LAYOUT/CUT SHEETS SHALL BE SUBMITTED TO THE CITY ENGINEER AND VERIFIED PRIOR TO ISSUANCE OF "NOTICE TO PROCEED". THESE LAYOUT/CUT SHEETS SHALL SHOW ALL STATIONING AND CUTS FOR ALL VALVES, CONNECTIONS, HYDRANTS, SERVICES, FITTINGS, ETC. TO BE INCLUDED IN THE PROPOSED SYSTEM. ALL CUTS WILL BE TO PIPE INVERT. STATIONING MUST BEGIN AT A KNOWN PERMANENT POINT WHICH WILL REMAIN VISIBLE AFTER COMPLETION OF CONSTRUCTION. NO WORK IS ALLOWED IN AREAS THAT HAVE NO APPROVED LAYOUT/CUT SHEETS.
B. AN ARIZONA REGISTERED LAND SURVEYOR SHALL CERTIFY THAT THE ELEVATIONS ON THE SUBMITTED LAYOUT SHEETS ARE THE EXISTING ELEVATIONS AND PROPOSED FINAL GRADES AS OF THE DATE OF SURVEY. THE NEW MAIN SHALL HAVE NO LESS THAN 36" OF COVER DURING CONSTRUCTION.
C. CURVES WITH A RADIUS OF 300 FEET OR LESS SHALL BE STATIONED EVERY 25 FEET. CURVES WITH A RADIUS GREATER THAN 300 FEET SHALL BE STATIONED AT A MINIMUM OF 50 FOOT INTERVALS.
D. CUTS FOR THE END LOCATION OF SERVICES, FIRE HYDRANTS, AND FIRE HYDRANT OR FIRE SERVICE STUB OUTS SHALL BE SHOWN TO THE FINAL GRADE. STATIONING AND CUTS FOR THE FIRE HYDRANTS AND THE FIRE HYDRANT STUB OUTS SHALL BE SHOWN BOTH AT THE MAIN AND AT THEIR END LOCATIONS. STATIONING AND CUTS FOR SERVICES SHALL BE SHOWN AT THEIR END LOCATIONS.
E. CONSTRUCTION STAKING SHALL REFLECT THE INFORMATION SHOWN ON THE LAYOUT/CUT SHEETS. THE DISTANCE AND DIRECTION OF THE OFFSET LINES IN RELATION TO THE WATER LINES SHALL BE CLEARLY NOTED.
F. LOST OR DAMAGED OFFSET HUBS SHALL BE MAINTAINED AND IMMEDIATELY REPLACED IF LOST OR DAMAGED.
G. IF INVERTS ARE PROVIDED ON THE APPROVED PLANS, HUB ELEVATIONS FOR THE OFFSET LINE SHALL BE SHOWN ON THE LAYOUT/CUT SHEET.
H. THE OWNER SHALL REPLACE AT HIS OR HER EXPENSE ANY EXISTING SURVEY MONUMENTATION DAMAGED OR DISTURBED DURING CONSTRUCTION (INCLUDING PROPERTY PINS). THE REPLACEMENT SHALL BE MADE BY AN ARIZONA REGISTERED LAND SURVEYOR AND A RECORD OF SURVEY WILL BE REQUIRED.

4. THE CONTRACTOR SHALL COMPLY WITH APPLICABLE ARIZONA REVISED STATUTES PERTAINING TO "BLUE STAKE".

5. WATER MAINS SHALL BE INSTALLED AFTER SEWER INSTALLATION AND AFTER GRADING OF STREET AND WALK AREAS TO WITHIN 6" OF FINAL GRADE.

6. WATER MAINS SHALL BE INSTALLED WITH A MINIMUM OF 44" OF COVER FROM FINAL GRADE EXCEPT AS OTHERWISE NOTED ON THE APPROVED PLANS.

7. WATER MAINS INSTALLED WITHIN RIGHTS-OF-WAY THAT ARE NOT AT FINAL GRADE SHALL BE INSTALLED WITH A MINIMUM OF 60" OF COVER FROM THE FUTURE FINAL GRADE EXCEPT AS OTHERWISE NOTED ON THE APPROVED PLANS.

8. TERMS OF PAVEMENT CUTS SHALL BE OBTAINED FROM THE CITY ENGINEER. THE CONTRACTOR SHALL COMPLY WITH ALL TERMS FOR PAVEMENT CUTS.

9. THE BACKFILL MATERIAL, COMPACTION, AND PAVEMENT PATCH SHALL BE IN ACCORDANCE WITH MAG SECTION 601 OR, PER THE WRITTEN DIRECTION OF THE CITY ENGINEER.

10. JOINT USE TRENCHES ARE ACCEPTED ONLY WITH THE WRITTEN AUTHORIZATION OF THE CITY ENGINEER. WHEN ELECTRIC, TELEPHONE OR GAS FACILITIES PARALLEL WATER FACILITIES, THEY SHALL NOT BE INSTALLED WITH LESS THAN 5' HORIZONTAL CLEARANCE FROM THE WATER MAIN.

11. ONLY APPROVED PLANS SHALL BE USED FOR THE INSTALLATION OF WATER FACILITIES. APPROVED PLANS REQUIRING REVISION SHALL BE APPROVED BY THE CITY ENGINEER PRIOR TO START OF REVISED WORK.
CHANGES REQUIRING A REVISION:
1. ADDING OR DELETING NEW WATER MAINS.
2. REROUTING OF NEW WATER MAIN GREATER THAN 12" FROM THE ORIGINAL LOCATION.
3. ADDING, DELETING, OR RELOCATING OR CHANGING THE SIZE OF A NEW WATER SERVICE.
4. ADDING, DELETING, OR CHANGING THE SIZE OF A NEW FIRE SERVICE.
5. ADDING, DELETING, OR RELOCATING A NEW FIRE HYDRANT.
6. CHANGING EASEMENTS.
7. CHANGE IN OWNER/DEVELOPER NAME.

12. RECLAIMED WATER MAINS SHALL BE CONSIDERED THE SAME AS SEWERS WHEN INSTALLED WITHIN PROXIMITY OF A POTABLE WATER MAIN.

13. FIRE HYDRANTS SHALL BE SET AT CURB RETURNS, COMMON LOT LINES, OR AS INDICATED ON THE APPROVED PLANS, AS DIRECTED BY THE RESPONSIBLE FIRE AUTHORITY, AND IN ACCORDANCE WITH MAG STANDARD DETAIL 360.

14. THE OWNER/DEVELOPER SHALL HAVE ALL CURB STOPS LOCATED AND IS RESPONSIBLE FOR THEIR PROTECTION DURING ALL PHASES OF CONSTRUCTION UNTIL WATER METERS ARE INSTALLED. WATER SERVICES SHALL BE SET IN A FLAT STRIP OF LAND WHICH PARALLELS THE CURB, SIDEWALK, OR WATER MAIN. THIS 3" STRIP OF LAND SHALL NOT EXCEED THE TOP OF CURB OR SIDEWALK NOR BE BELOW THE BOTTOM OF CURB OR SIDEWALK. THE OWNER/DEVELOPER SHALL BE RESPONSIBLE FOR PROTECTING ALL CURB STOPS DURING ALL PHASES OF CONSTRUCTION. NO METERS WILL BE RELEASED PRIOR TO FINAL ACCEPTANCE WITHOUT WRITTEN PERMISSION FOR THE CITY ENGINEER. PRIOR TO APPLYING FOR A METER, THE OWNER/DEVELOPER MUST LOCATE AND EXPOSE ALL CURB STOPS. IF THE CURB STOP IS NOT EXPOSED, THE METER WILL NOT BE INSTALLED AND THE APPLICANT MUST RESCHEDULE INSTALLATION. AFTER METER INSTALLATION THE OWNER/DEVELOPER IS RESPONSIBLE FOR THE PROTECTION OF THE METER AND METER BOX UNTIL THE ACCOUNT IS TRANSFERRED TO THE HOMEOWNER. ALL METER BOXES MUST BE INSTALLED ACCORDING TO THE PUBLISHED STANDARDS SPECIFICATIONS AND DETAILS. METER BOXES BROKEN OR REMOVED BY THE CONTRACTOR WILL BE REPLACED OR RESET IN ACCORDANCE WITH THE CITY OF ELOY STANDARDS AT THE CONTRACTOR'S EXPENSE.

15. SET ANGLE METER STOPS 8" BEHIND BACK OF CURB IN STREETS WITH CURBS AND 8" BELOW FINISHED GRADE.

16. SET ANGLE METER STOPS 3' FROM PROPERTY LINE IN STREETS WITHOUT CURBS AND 8" BELOW FINISHED GRADE.

17. ANGLE METER STOPS SHALL NOT BE INSTALLED AT THE SAME LOT CORNER AS THE ELECTRIC SERVICE OR TRANSFORMER. WHERE THIS CANNOT BE ACCOMPLISHED, THE WATER SERVICE AND THE ELECTRICAL SERVICE OR TRANSFORMER MUST BE A MINIMUM HORIZONTAL SEPARATION OF 10'.

18. THE CONTRACTOR SHALL HAVE ALL WATER VALVES IDENTIFIED AND LOCATED PRIOR TO PAVING AND SHALL HAVE ALL VALVE BOXES SET TO FINAL GRADE AFTER PAVING IN ACCORDANCE WITH MAG SECTION 354.

19. ONLY IMPROVEMENTS SHOWN ON THE APPROVED WATER PLANS MAY BE INSTALLED AS PART OF THE PUBLIC WATER SYSTEM.

20. PASSING MICROBIOLOGICAL TEST RESULTS ARE REQUIRED PRIOR TO FINAL ACCEPTANCE. THE TEST IS THE RESPONSIBILITY OF THE CONTRACTOR; HOWEVER THE CHAIN OF CUSTODY MUST BE THROUGH THE AUTHORIZED CITY OF ELOY WATER DEPARTMENT REPRESENTATIVE. A SIEVE ANALYSIS OF THE BEDDING AND BACKFILL MATERIAL IS REQUIRED PRIOR TO FINAL ACCEPTANCE.

21. WHERE EXISTING WATER SERVICES ARE TO BE RELOCATED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATING THOSE SERVICES TO THE NEW LOCATIONS AS SHOWN ON THE APPROVED PLANS. RELOCATION WORK SHALL INCLUDE, BUT NOT BE LIMITED TO, NEW SERVICE SADDLES AND TAPS, NEW SERVICE PIPE, ANGLE METER STOPS, BALL VALVES, TRAP WIRE, DETECTOR TAPE, SETTING NEW METERS (PROVIDED BY THE CITY OF ELOY WATER DEPARTMENT), AND METER BOXES, AND ALL WORK NECESSARY TO RECONNECT THE PRIVATE PLUMBING.

22. WHERE EXISTING SERVICES ARE TO BE ABANDONED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND SALVAGING ASSOCIATED MATERIALS RELEVANT TO THE ABANDONED SERVICES, INCLUDING CLOSING AND PLUGGING THE EXISTING CORPORATION STOP, IN ACCORDANCE WITH THE APPROVED PLANS.

23. SALVAGED MATERIALS ARE THE PROPERTY OF THE CITY OF ELOY WATER DEPARTMENT.
A. MATERIALS SALVAGED WILL BE DELIVERED TO AN APPROVED CITY OF ELOY SALVAGE AND MAINTENANCE YARD OR TO A PUBLIC LANDFILL AT THE DISCRETION OF THE CITY OF ELOY WATER DEPARTMENT'S AUTHORIZED REPRESENTATIVE. SALVAGE AND DISPOSAL ARE THE RESPONSIBILITY OF THE CONTRACTOR.
B. WATER LINE ABANDONMENT IN PLACE WILL BE EXAMINED ON A CASE BY CASE BASIS. VALVE RISERS AND RISER PIPE WILL ALWAYS BE REMOVED FROM PAVED AREAS, AND BACKFILLED AND COMPACTED WITH AGGREGATE BASE COURSE COMPACTED TO THE MINIMUM DENSITY SPECIFIED IN MAG SECTION 601. THE PAVEMENT PATCH SHALL BE SUBJECT TO THE CONDITIONS OF THE RIGHT-OF-WAY PERMIT.

24. THE CONTRACTOR SHALL MAINTAIN WATER SERVICE AT ALL TIMES AND SHALL MINIMIZE WATER SERVICE INTERRUPTION TO EXISTING WATER SERVICES DURING ALL ACTIVITIES WITHIN THE PROJECT AREA. ALL EXISTING METERS AND LINES FOUND IN CONFLICT WITH THE NEW WATER MAIN ALIGNMENTS WHETHER OR NOT SHOWN ON PLANS SHALL BE SUPPORTED ACROSS THE TRENCH BY THE CONTRACTOR. EXISTING WATER METERS SHALL REMAIN IN PLACE AND ARE NOT TO BE DISTURBED AND/OR RELOCATED BY THE CONTRACTOR DURING WATER MAIN TRENCHING AND INSTALLATION OPERATIONS AND SHALL REMAIN ACCESSIBLE FOR READING OR MAINTENANCE DURING CONSTRUCTION. THE CONTRACTOR SHALL BE HELD LIABLE FOR ANY DAMAGES TO EXISTING WATER METERS AND/OR SERVICE LINES THAT OCCUR DURING HIS TRENCHING AND WATER MAIN INSTALLATION OPERATIONS.

25. MAJOR UTILITY LOCATIONS ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATE THE PROTECTION OF ALL UNDERGROUND AND OVERHEAD UTILITIES IN THE PROJECT AREA, WHETHER SHOWN ON THE APPROVED PLANS OR NOT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY NECESSARY REPAIRS AT HIS OWN EXPENSE.

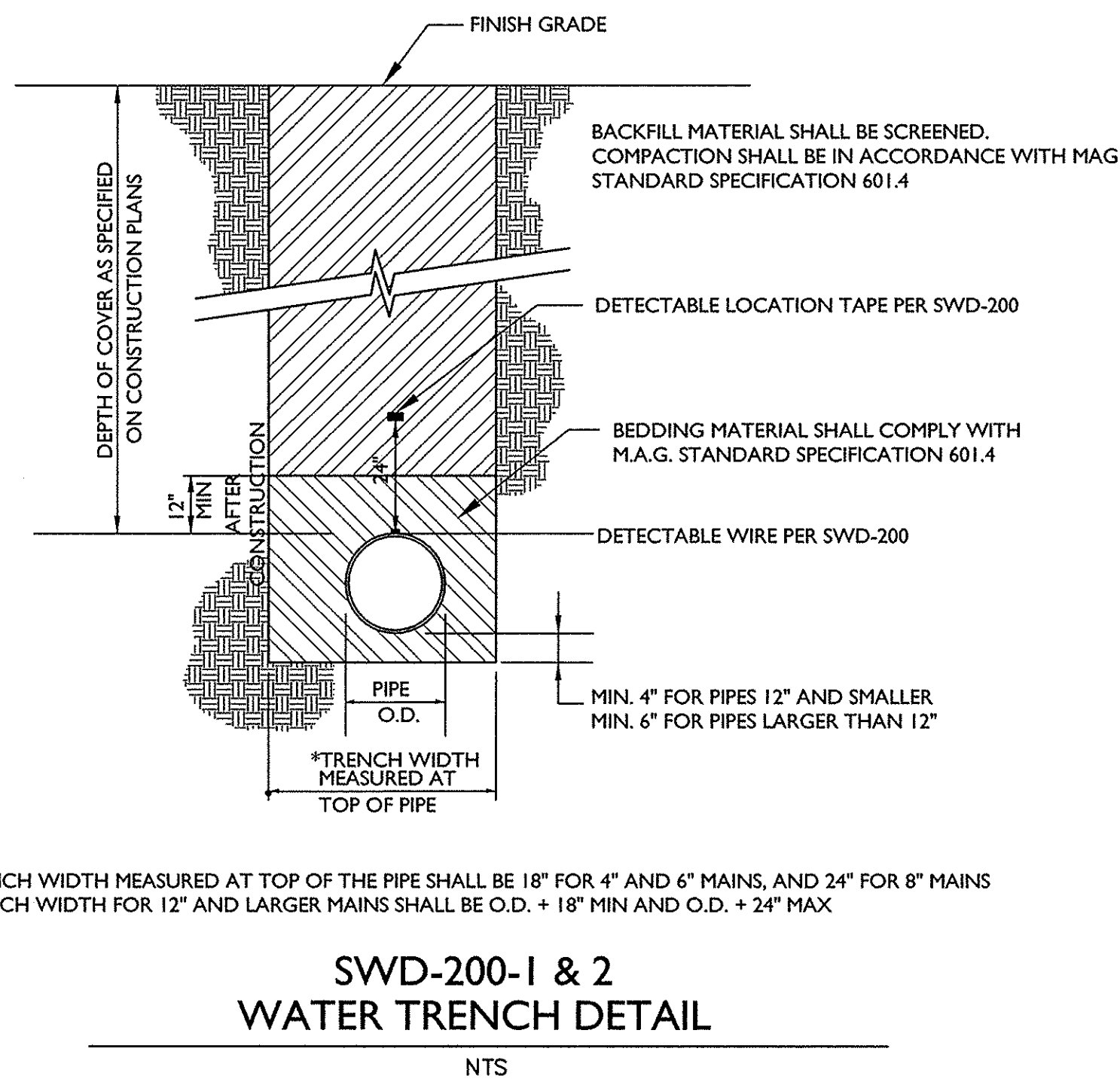
26. INSPECTORS EMPLOYED BY THE AGENCY SHALL BE AUTHORIZED TO INSPECT ALL WORK DONE AND MATERIALS FURNISHED. SUCH INSPECTION MAY EXTEND TO ALL OR ANY PART OF THE WORK AND TO THE PREPARATION, FABRICATION OR MANUFACTURE OF THE MATERIALS USED. THE INSPECTOR SHALL NOT BE AUTHORIZED TO ALTER OR WAIVE THE PROVISIONS OF THE CONTRACT. THE INSPECTOR SHALL BE AUTHORIZED TO ISSUE INSTRUCTIONS IN KEEPING WITH THE DESIGN INTENT OF THE PLANS AND SPECIFICATIONS. THE INSPECTOR SHALL HAVE THE AUTHORITY TO REJECT DEFECTIVE MATERIALS OR WORK. THE INSPECTOR SHALL BE THE SOLE INTERPRETER OF THE SPECIFICATIONS. ITEMS OF WORK REQUIRING INSPECTION PRIOR TO BEING BACKFILLED OR OTHERWISE CONCEALED BY THE CONTRACTOR, INCLUDE BUT ARE NOT LIMITED TO THE TRENCH DEPTH AND LOCATION, PIPE MATERIALS, AND INSTALLATION, TEMPORARY PLUGS, TAPS AND TEES, SERVICES, DRAIN ASSEMBLY, BEDDING, AND DETECTABLE MIXING TAPES INSTALLATION. ANY WORK DONE OR MATERIALS USED WITHOUT INSPECTION BY THE CITY OF ELOY WATER DEPARTMENT MAY BE ORDERED UNCOVERED AND REMOVED OR REPLACED AT THE CONTRACTOR'S EXPENSE EVEN IF THE UNCOVERED WORK IS DETERMINED TO BE UNACCEPTABLE.

27. ONLY APPROVED MATERIALS PER THE APPROVED MATERIALS LIST WILL BE ACCEPTED.

28. ALL FITTINGS, VALVES, FLEXIBLE COUPLINGS, AND REPAIR CLAMPS SHALL BE ENCASED WITH A 10 MIL POLYETHYLENE IN ACCORDANCE WITH AWWA C-105, METHOD C.

1. METER BOXES SHALL BE SET ON TWO 2" X 4" X 12" ROMAN BRICKS INSTALLED UNDER THE LONG AXIS SIDES OF THE BOX. THE METER STOP SHALL BE INSTALLED AT 8" MIN/10" MAX. BELOW FINISHED GROUND SURFACE. NUMBER 3 BOXES REQUIRE 4 BRICKS.
2. INSTALLATION OF CONCRETE METER BOXES IN AREAS SUBJECTED TO VEHICULAR TRAFFIC SHALL BE AVOIDED. ALL $\frac{8}{16}$ " X $\frac{3}{4}$ " AND 1" METER INSTALLATIONS IN CONCRETE OR PAVEMENT REQUIRE A 12" X 20" X 12" ROTOCAST BOX WITH CONCRETE ENCASEMENTS AND STEEL LID (H-20 RATED). AN H-20 RATED LID IS TO BE USED IN AREAS SUBJECT TO VEHICULAR TRAFFIC. A PEDESTRIAN RATED LID IS TO BE USED IN ALL OTHER INSTALLATIONS.
3. THE TOP OF THE METER BOX SHALL BE SET $\frac{1}{2}$ INCH TO 1 INCH ABOVE GRADE EXCEPT IN CONCRETE SIDEWALKS, DRIVEWAYS, AND PAVED AREAS WHERE THE METER BOX SHALL BE SET FLUSH WITH THE SURROUNDING SURFACE.
4. IF OBSTRUCTIONS PREVENT THE METER BOX FROM BEING INSTALLED AT THE LOCATIONS SHOWN ON THE PLANS, THE WATER UTILITY WILL EVALUATE ALTERNATE LOCATIONS ON A CASE BY CASE BASIS.
5. ALL SERVICE LINES REQUIRE DETECTABLE LOCATION TAPE AND A TRACER WIRE. THE TAPE IS TO BE INSTALLED 6" ABOVE THE SERVICE LINE. THE TRACER WIRE SHALL BE USE RHWY OR RHH SOLID 10 GAUGE A CONTINUOUS LENGTH FROM THE CORPORATION AND RUN IN TO THE CURB STOP. THE TRACER WIRE SHALL BE ATTACHED WITH TAPE OR WIRE TIES AT 1' INTERVALS TO THE SERVICE LINE. A MINIMUM 6' COILED WIRE SHALL BE LEFT AT THE CURB STOP.
6. ALL SERVICE LINES WILL BE BEDDED AND BACKFILLED USING THE SAME MATERIALS AND METHODS AS THE MAIN LINE.
7. ALL SERVICE TAPS WILL BE AT A 45° ANGLE AND MUST FACE THE PROPERTY WHERE THE METER WILL BE INSTALLED. MULTIPLE TAPS ON PVC SHALL BE IN ACCORDANCE WITH NOTE 11.
8. WHEN USING HDPE A SUPPORT POST MUST BE INSTALLED IN ACCORDANCE WITH STANDARD DETAILS $\frac{3}{4}$ " METER INSTALLATION AND 1" SPLIT SERVICE CONNECTION.
9. ALL METER BOX INSTALLATIONS WILL INITIALLY HAVE THE PIPE ACCESS HOLES (MOUSE HOLES) BLOCKED WITH SUITABLE MATERIAL TO PREVENT BACKFILL OF DIRECT INTO BOX.
10. A METER LOCATING RING SHALL BE SUPPLIED BY THE WATER UTILITY. THE CONTRACTOR SHALL INSTALL THE LOCATING RING WITHIN 3 INCHES (75mm) OF THE TOP OF THE ANGLE METER STOP.
11. TAPS MADE INTO PVC PIPE SHALL BE AT LEAST 2 FEET FROM THE SPIGOT END AND 1 FOOT FROM THE BOTTOM OF THE BELL; MULTIPLE TAPS SHALL BE AT LEAST 30" APART; MULTIPLE TAPS WITHIN AN INDIVIDUAL SECTION OF PVC PIPE SHALL NOT BE LOCATED ON THE SAME AXIS. THE MINIMUM OFFSET SHALL BE 5 DEGREES.

1. WATER MAINS SHALL BE PRESSURE AND LEAKAGE TESTED IN ACCORDANCE WITH AWWA C-600 STANDARD.
2. WATER MAINS SHALL BE DISINFECTED IN ACCORDANCE WITH ADEQ ENGINEERING BULLETIN NO. 8 'DISINFECTION OF WATER SYSTEMS'.
3. ALL PIPES, FITTINGS, FIRE HYDRANTS, VALVES, COATINGS, ETC., SHALL CONFORM TO AWWA STANDARDS AND NSF STANDARD 61 (R18-5-119.b.). PIPES AND APPURTENANCES SHALL HAVE THE NSF-PW SEAL AS EVIDENCE OF COMPLIANCE.
4. CONCRETE THRUST BLOCKS ARE TO BE PROVIDED AT ALL VALVES, CHANGES IN DIRECTION OR SIZE, OR AT ANY OTHER POINT WHERE AN UNBALANCED THRUST DUE TO WATER PRESSURE WOULD EXIST. IF CONCRETE THRUST BLOCKS ARE NOT USED, THEN MECHANICAL JOINTS SHOULD BE USED AT ALL LOCATIONS PREVIOUSLY DESCRIBED.
5. ALL THE WATER MAINS SHALL BE DESIGNED FOR WORKING PRESSURE OF AT LEAST 150 PSI PLUS ALLOWANCE FOR WATER HAMMER

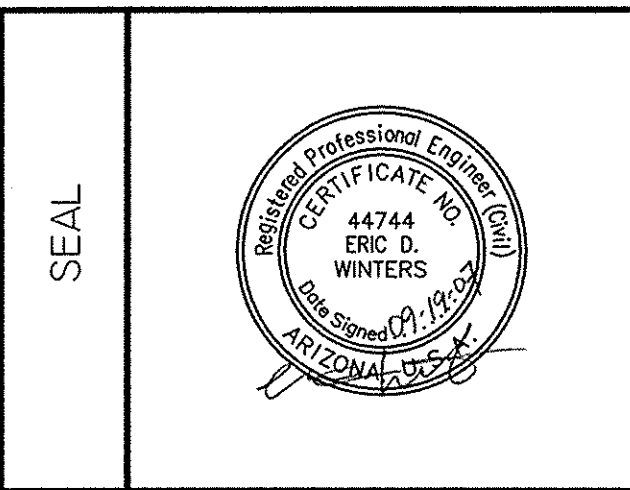


FOR
National
Gypsum
COMPANY
ELOY, ARIZONA



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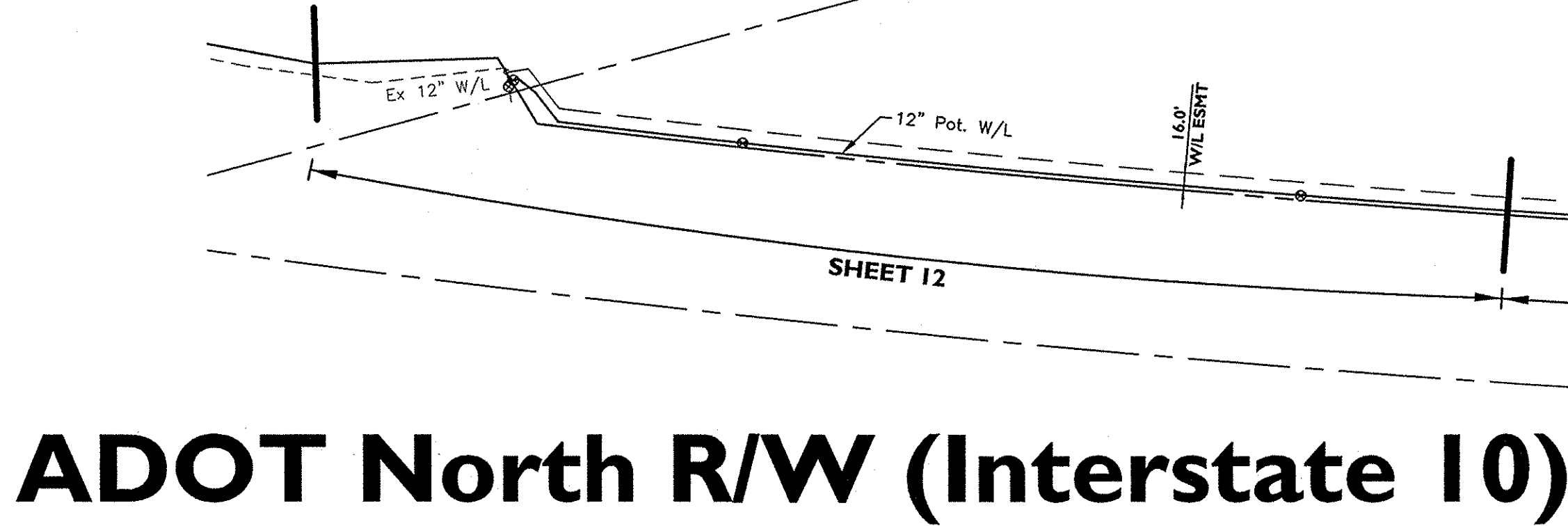


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NOTES & DETAIL SHEET

DRAWING NUMBER 07-013-CS02 2 of 15

	Proposed Water Line
	Proposed Water Plug
	Proposed Water Valve
	Proposed Fire Hydrant
	Exist. Water Line



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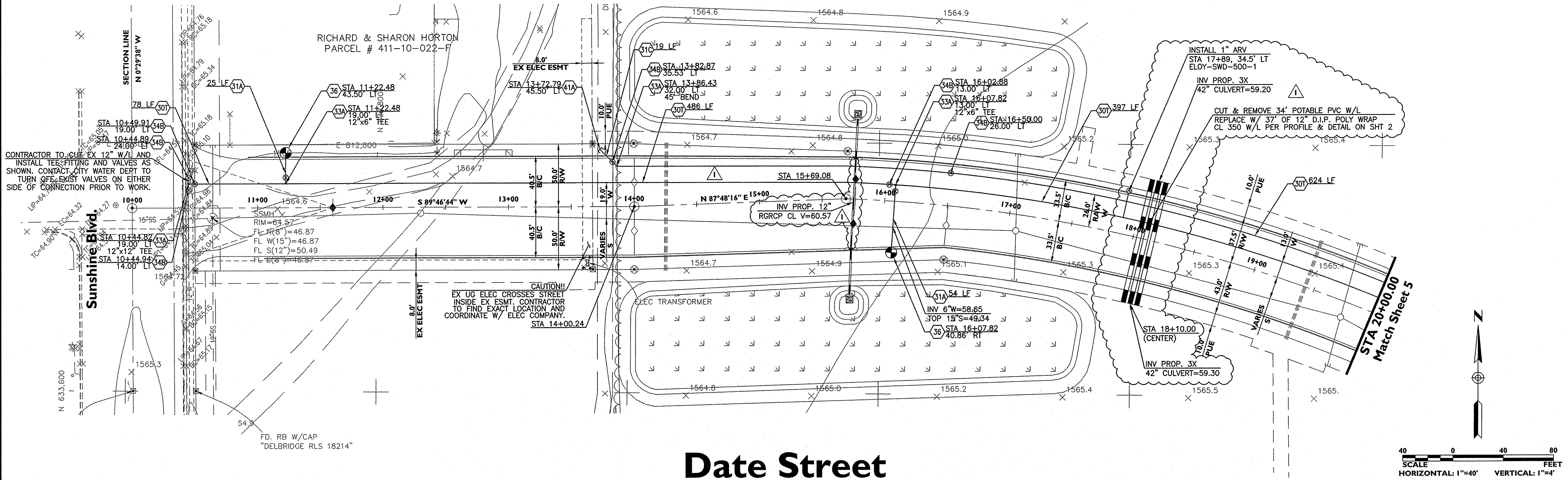
SHEET TITLE

INDEX SHEET

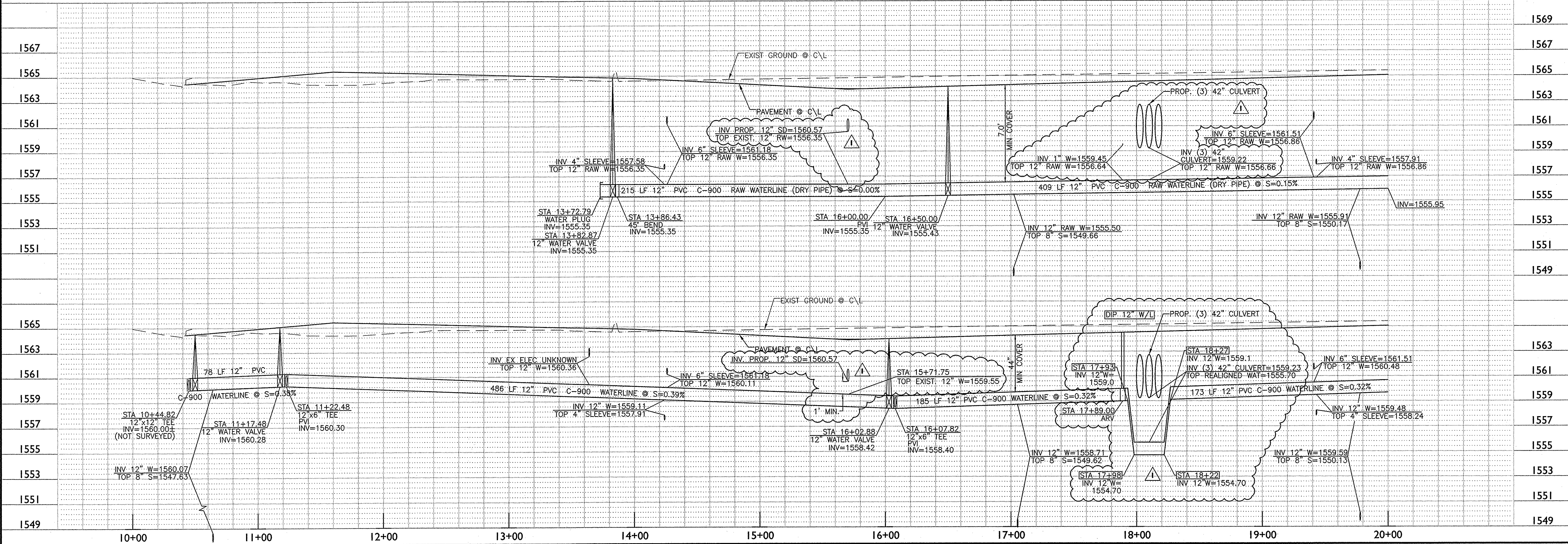
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CAD NAME: CS03	SCALE: 1"=120'

DRAWING NUMBER 07-013-CS03 3 of 15

CONSTRUCTION NOTES					
307	12" PVC C-900 WATERLINE CL 150 (ELOY SWD-1000)	1585 LF	33A	WATERLINE FITTING W/ CONCRETE THRUST BLOCK RESTRAINTS	NPI
31A	6" D.I.P. POLY WRAP CL 350 WATERLINE	79 LF		MAG 380 & 381	
31C	12" D.I.P. POLY WRAP CL 350 WATERLINE	19 LF	34B	12" WATER VALVE MAG 391-1-C & 392-C	6 EA
			36	FIRE HYDRANT ASSEMBLY MAG 360 & MAG SPEC. SECTION 345	2 EA
			41A	WATER PLUG W/FLUSHING PIPE (ELOY SWD-600, W/ CONCRETE THRUST BLOCK RESTRAINTS MAG 380 & 381)	1 EA



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Professional Engineer
44744
ERIC D. WINTERS
Arizona (U.S.A.)
Expires: 6/30/2009

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11-20-08 ADDITION OF STORM DRAIN EQUALIZER PIPE W/ NECESSARY REMOVAL & REPLACEMENT AFTER ORIGINAL CONSTRUCTION
11-20-08 ADDITION OF PIPE CULVERTS WITH NECESSARY REMOVAL & REPLACEMENT AFTER ORIGINAL CONSTRUCTION
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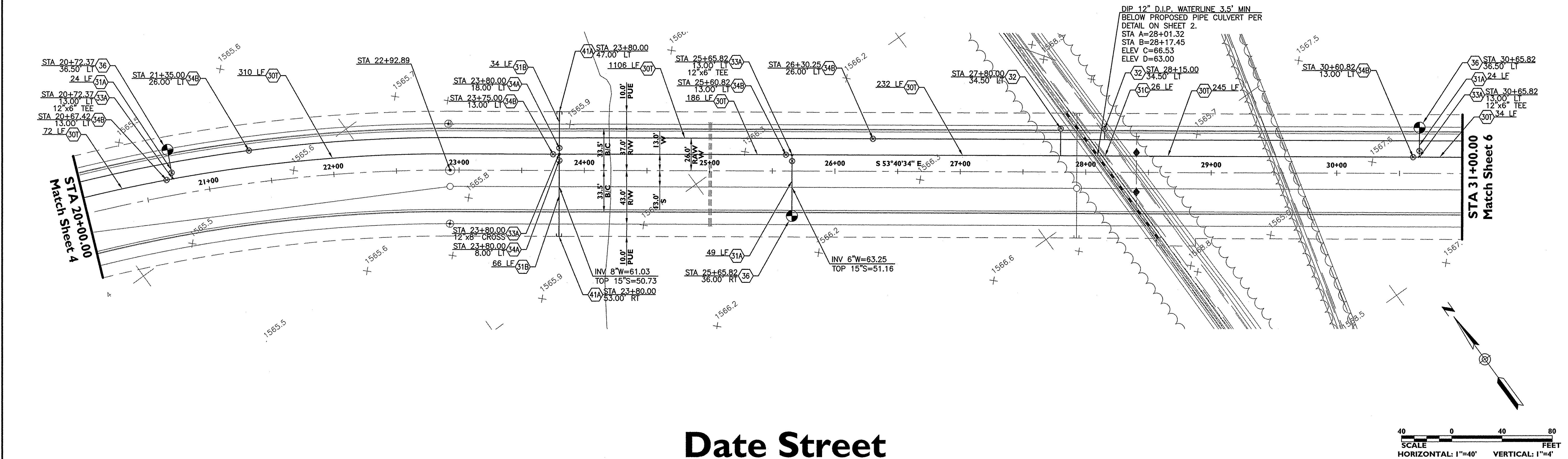
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SHEET TITLE
OFFSITE POTABLE & RAW WATERLINE PLANS

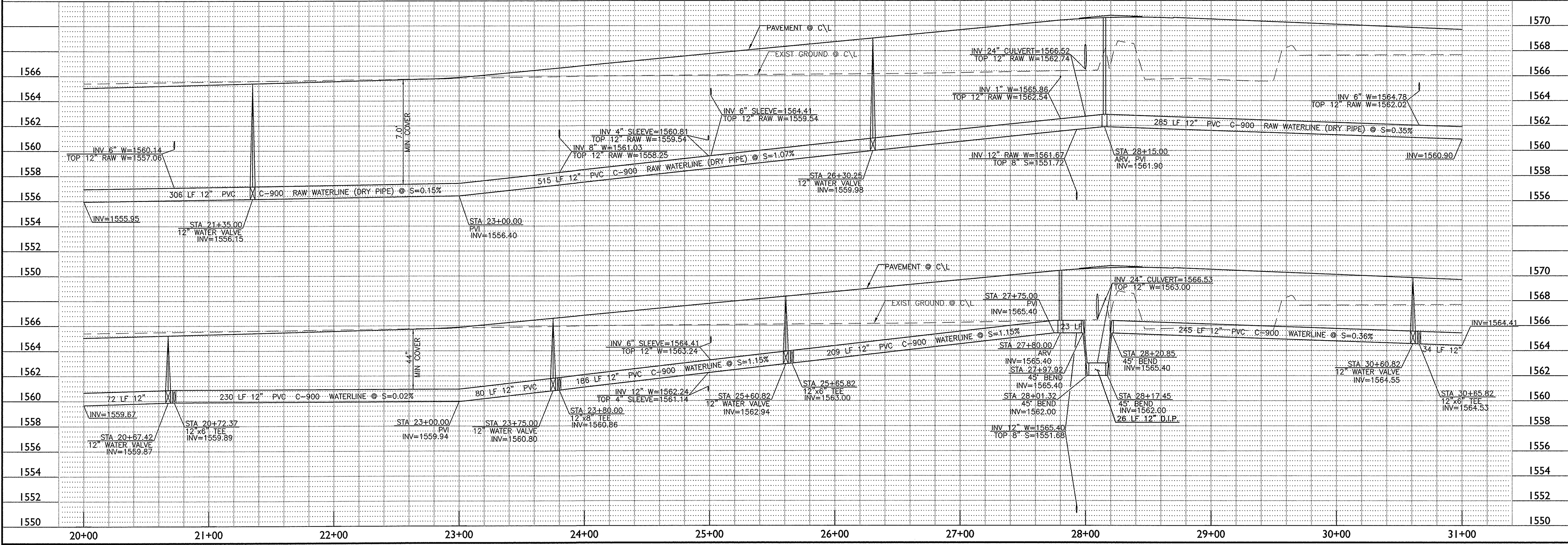
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APPROVED: EDW	DATE: 04-27-07
PROJECT: 07-013	SCALE: 1"=40'
CAD NAME: WP01	

DRAWING NUMBER
07-013-WP01
4 of 15

CONSTRUCTION NOTES					
(30T) 12" PVC C-900 WATERLINE CL 150 (ELOY SWD-1000)	2185 LF	(32) 1" AIR RELEASE VALVE (ELOY SWD-500-1)	2 EA	(34B) 12" WATER VALVE MAG 391-1-C & 392-C	6 EA
(31A) 6" D.I.P. POLY WRAP CL 350 WATERLINE	97 LF	(33A) WATERLINE FITTING W/ CONCRETE THRUST BLOCK RESTRAINTS	NPI	(36) FIRE HYDRANT ASSEMBLY MAG 360 & MAG SPEC. SECTION 345	3 EA
(31B) 8" D.I.P. POLY WRAP CL 350 WATERLINE	100 LF	MAG 380 & 381		(41A) WATER PLUG W/FLUSHING PIPE (ELOY SWD-600, W/ CONCRETE THRUST	2 EA
(31C) 12" D.I.P. POLY WRAP CL 350 WATERLINE	26 LF	(34A) 8" WATER VALVE MAG 391-1-C & 392-C	2 EA	BLOCK RESTRAINTS MAG 380 & 381)	



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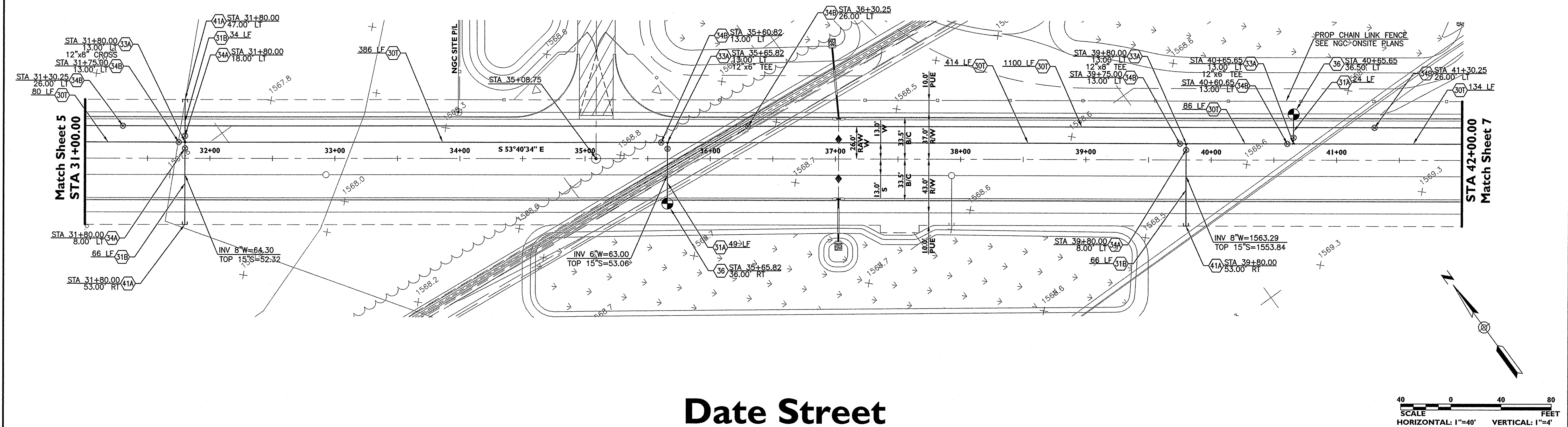
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SHEET TITLE
OFFSITE POTABLE & RAW WATERLINE PLANS

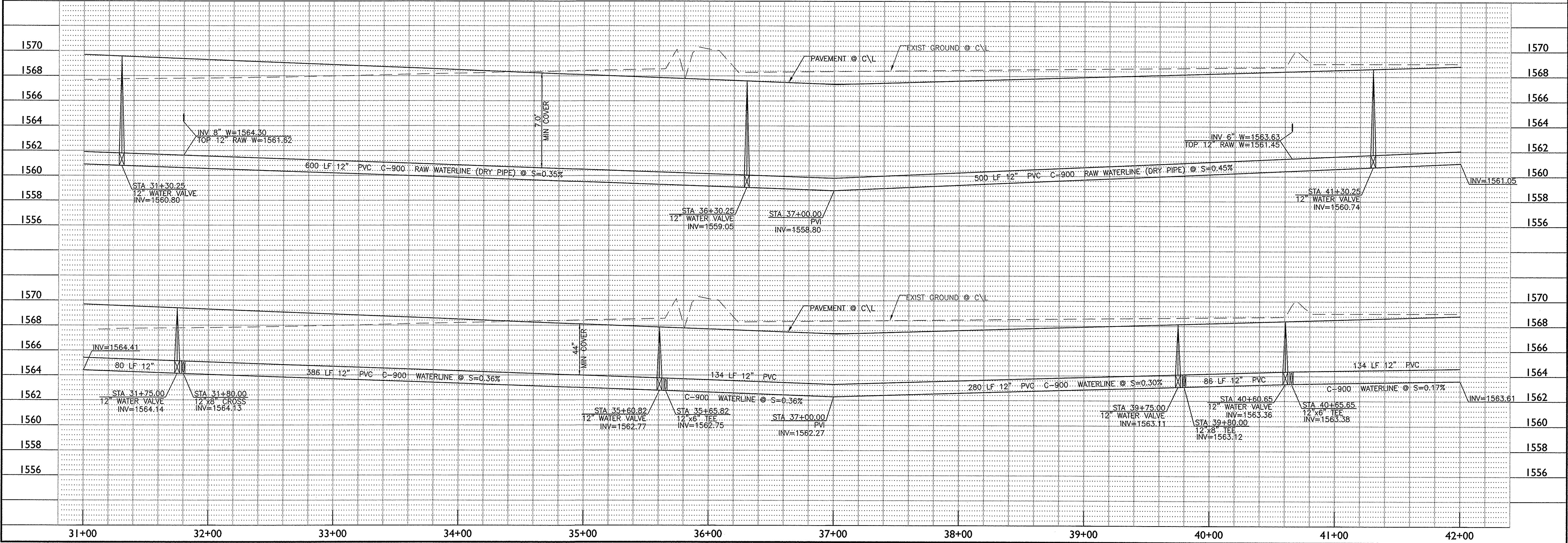
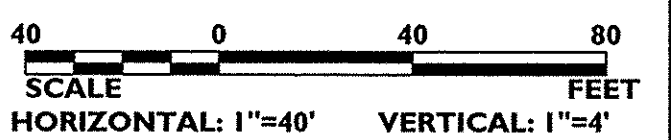
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PROJECT: 07-013	SCALE: 1"=40'
CAD NAME: WPO2	

DRAWING NUMBER
07-013-WP02
5 of 15

CONSTRUCTION NOTES					
30T 12" PVC C-900 WATERLINE CL 150 (ELOY SWD-1000)	2200 LF	33A WATERLINE FITTING W/ CONCRETE THRUST BLOCK RESTRAINTS	NPI	34B 12" WATER VALVE MAG 391-1-C & 392-C	7 EA
31A 6" D.I.P. POLY WRAP CL 350 WATERLINE	73 LF	MAG 380 & 381		36 FIRE HYDRANT ASSEMBLY MAG 360 & MAG SPEC. SECTION 345	2 EA
31B 8" D.I.P. POLY WRAP CL 350 WATERLINE	166 LF	34A 8" WATER VALVE MAG 391-1-C & 392-C	3 EA	41A WATER PLUG W/FLUSHING PIPE (ELOY SWD-600, W/ CONCRETE THRUST BLOCK RESTRAINTS MAG 380 & 381)	3 EA



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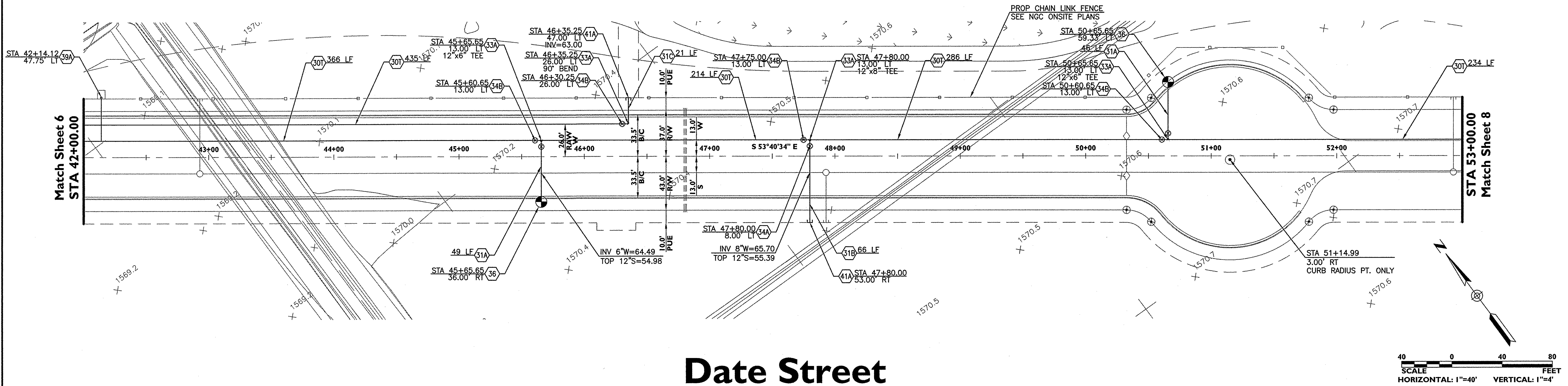
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SHEET TITLE
OFFSITE POTABLE & RAW WATERLINE PLANS

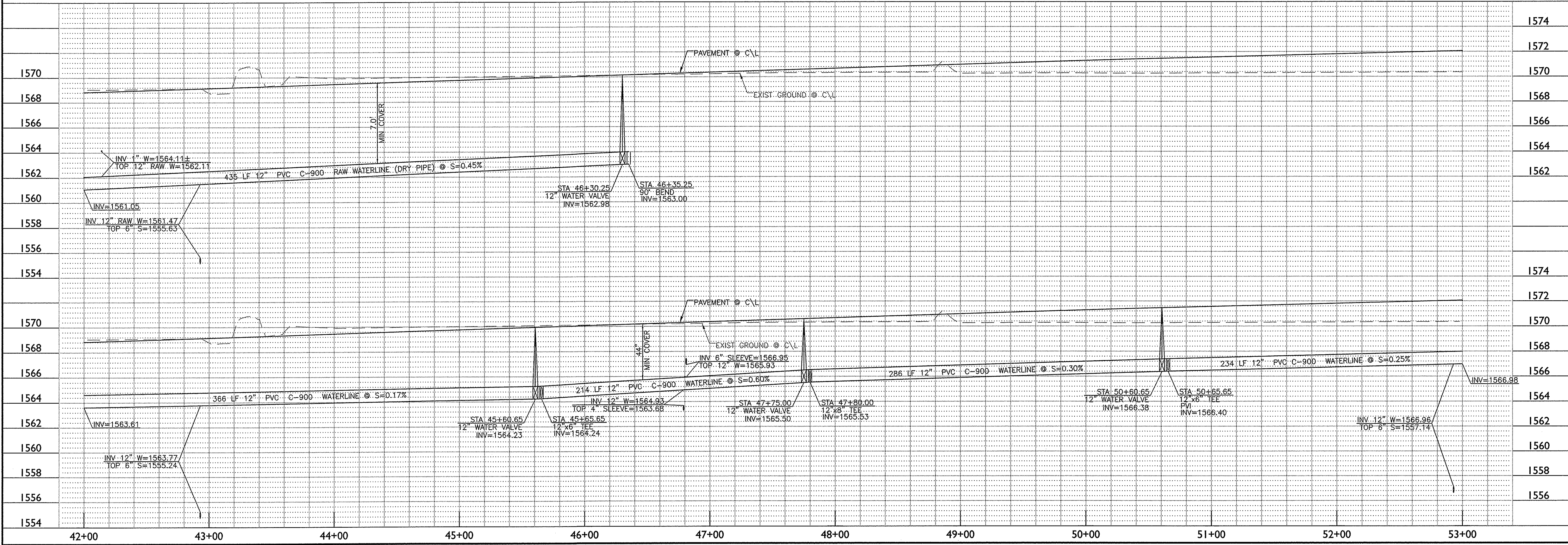
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PROJECT: 07-013	SCALE: 1"=40'
CAD NAME: WP03	

DRAWING NUMBER
07-013-WP03 6 of 15

CONSTRUCTION NOTES					
(30T) 12" PVC C-900 WATERLINE CL 150 (ELOY SWD-1000)	1535 LF	(33A) WATERLINE FITTING W/ CONCRETE THRUST BLOCK RESTRAINTS	NPI	(36) FIRE HYDRANT ASSEMBLY MAG 360 & MAG SPEC. SECTION 345	2 EA
(31A) 6" D.I.P. POLY WRAP CL 350 WATERLINE	95 LF	MAG 380 & 381		(39A) 1" WATER SERVICE, WATER METER & BOX (ELOY SWD-700-1)	1 EA
(31B) 8" D.I.P. POLY WRAP CL 350 WATERLINE	66 LF	(34A) 8" WATER VALVE MAG 391-1-C & 392-C	1 EA	(41A) WATER PLUG W/FLUSHING PIPE (ELOY SWD-600, W/ CONCRETE THRUST	2 EA
(31C) 12" D.I.P. POLY WRAP CL 350 WATERLINE	21 LF	(34B) 12" WATER VALVE MAG 391-1-C & 392-C	4 EA	BLOCK RESTRAINTS MAG 380 & 381)	



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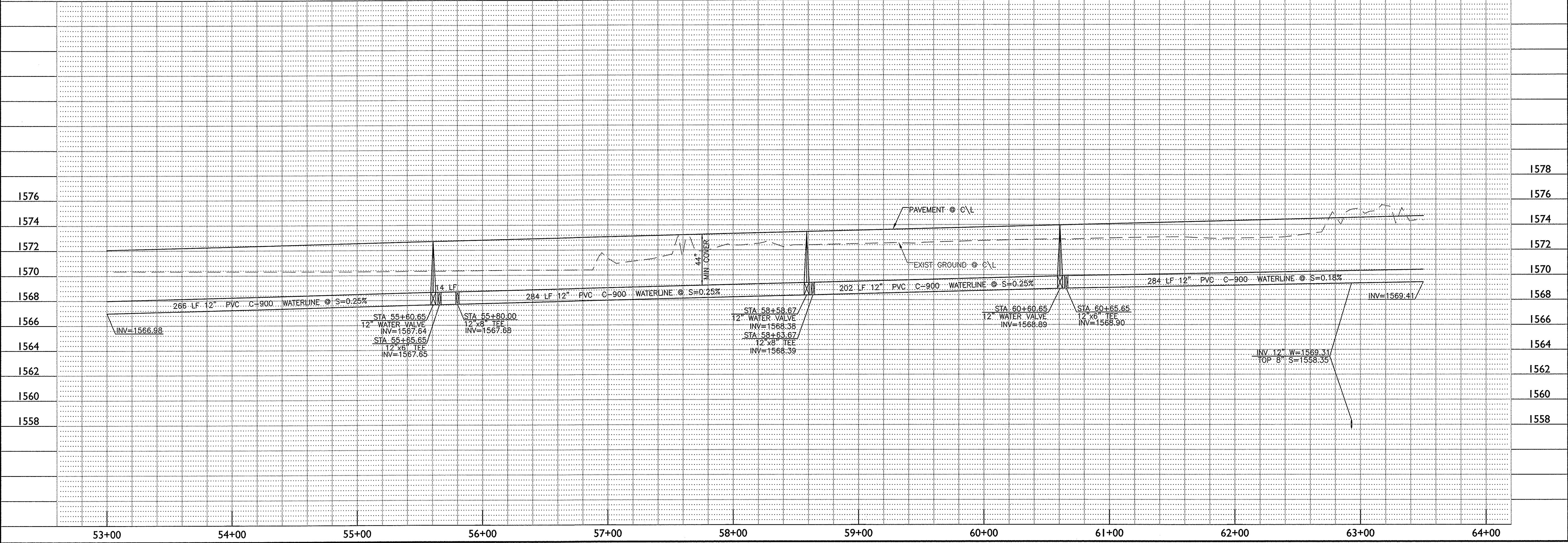
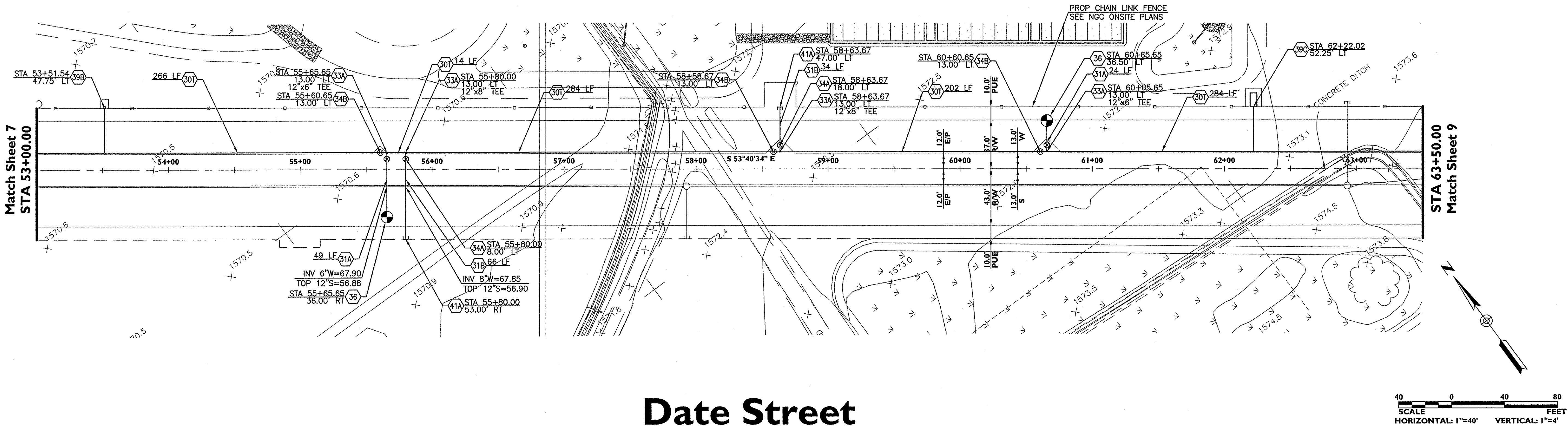
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SHEET TITLE
OFFSITE POTABLE & RAW WATERLINE PLANS

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APPROVED: EDW	PLOT FACTOR: PAPER
PROJECT: 07-013	DATE: 04-27-07
CAD NAME: WP04	SCALE: 1"=40'

DRAWING NUMBER 07-013-WP04	7 of 15
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CONSTRUCTION NOTES					
(307) 12" PVC C-900 WATERLINE CL 150 (ELOY SWD-1000)	1050 LF	(33A) WATERLINE FITTING W/ CONCRETE THRUST BLOCK RESTRAINTS	NPI	(36) FIRE HYDRANT ASSEMBLY MAG 360 & MAG SPEC. SECTION 345	2 EA
(31A) 6" D.I.P. POLY WRAP CL 350 WATERLINE	73 LF	MAG 380 & 381		(39B) 2" WATER SERVICE, WATER METER & BOX (ELOY SWD-760)	1 EA
(31B) 8" D.I.P. POLY WRAP CL 350 WATERLINE	100 LF	(34A) 8" WATER VALVE MAG 391-1-C & 392-C	2 EA	(39C) 4" WATER SERVICE, WATER METER & VAULT (MAG 345-1)	1 EA
		(34B) 12" WATER VALVE MAG 391-1-C & 392-C	3 EA	(41A) WATER PLUG W/FLUSHING PIPE (ELOY SWD-600, W/ CONCRETE THRUST BLOCK RESTRAINTS MAG 380 & 381)	2 EA



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Professional Engineer
CERTIFICATE NO. 44744
ERIC D. WINTERS
EXPIRATION 09-19-2019
ARIZONA

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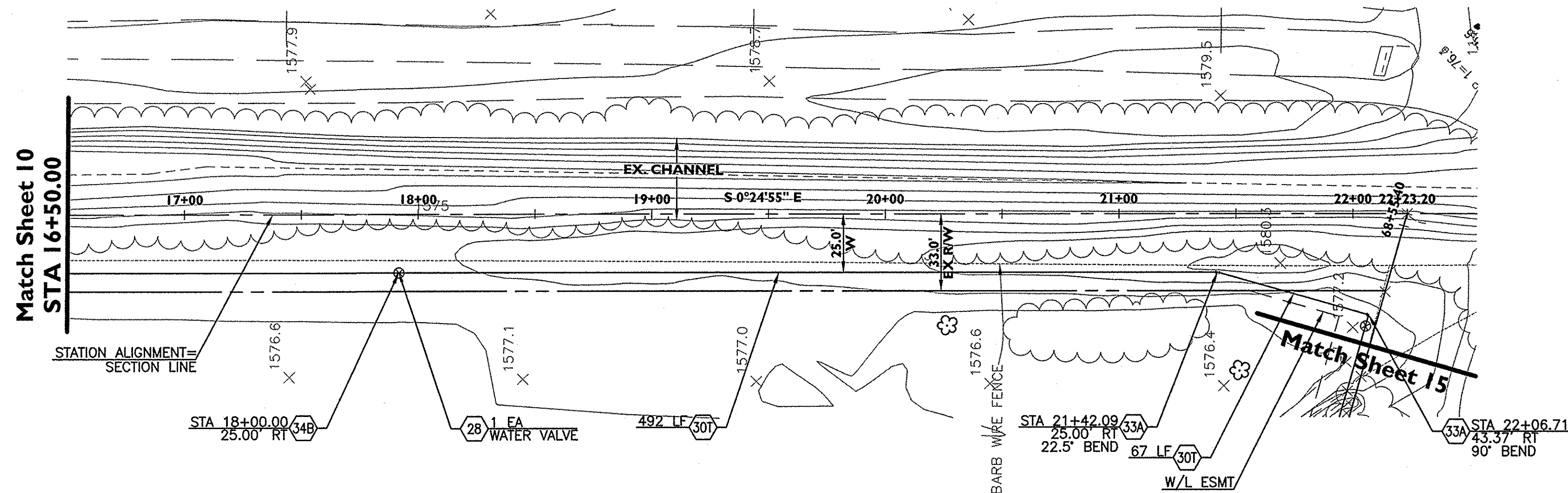
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SHEET TITLE
OFFSITE POTABLE WATERLINE PLANS

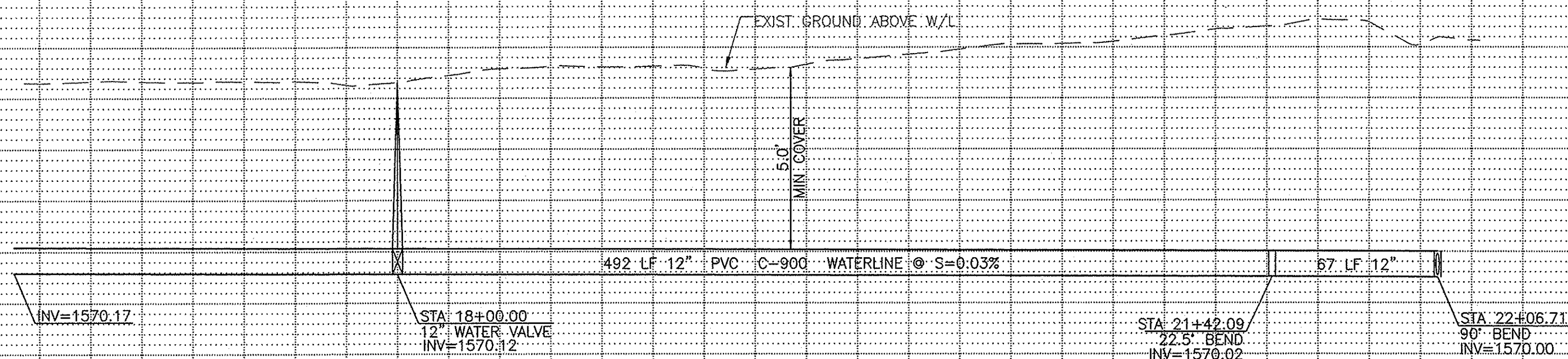
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PROJECT: 07-013	SCALE: 1"=40'
CAD NAME: WP05	

DRAWING NUMBER
07-013-WP05 8 of 15

CONSTRUCTION NOTES				
(28)	ADJUST FRAME & COVER MAG 391-1-C	1 EA	(34B) 12" WATER VALVE MAG 391-1-C & 392-C	1 EA
(30T)	12" PVC C-900 WATERLINE CL 150 (ELOY SWD-1000)	559 LF		
(33A)	WATERLINE FITTING W/ CONCRETE THRUST BLOCK RESTRAINTS	NPI		
	MAG 380 & 381			



La Palma Road Alignment

[illegible]

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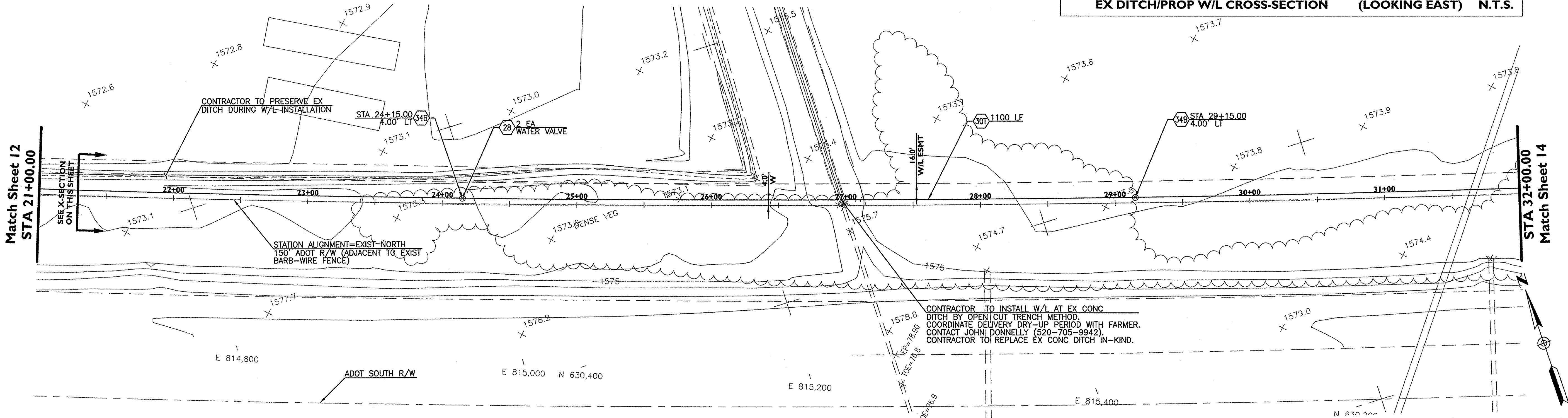
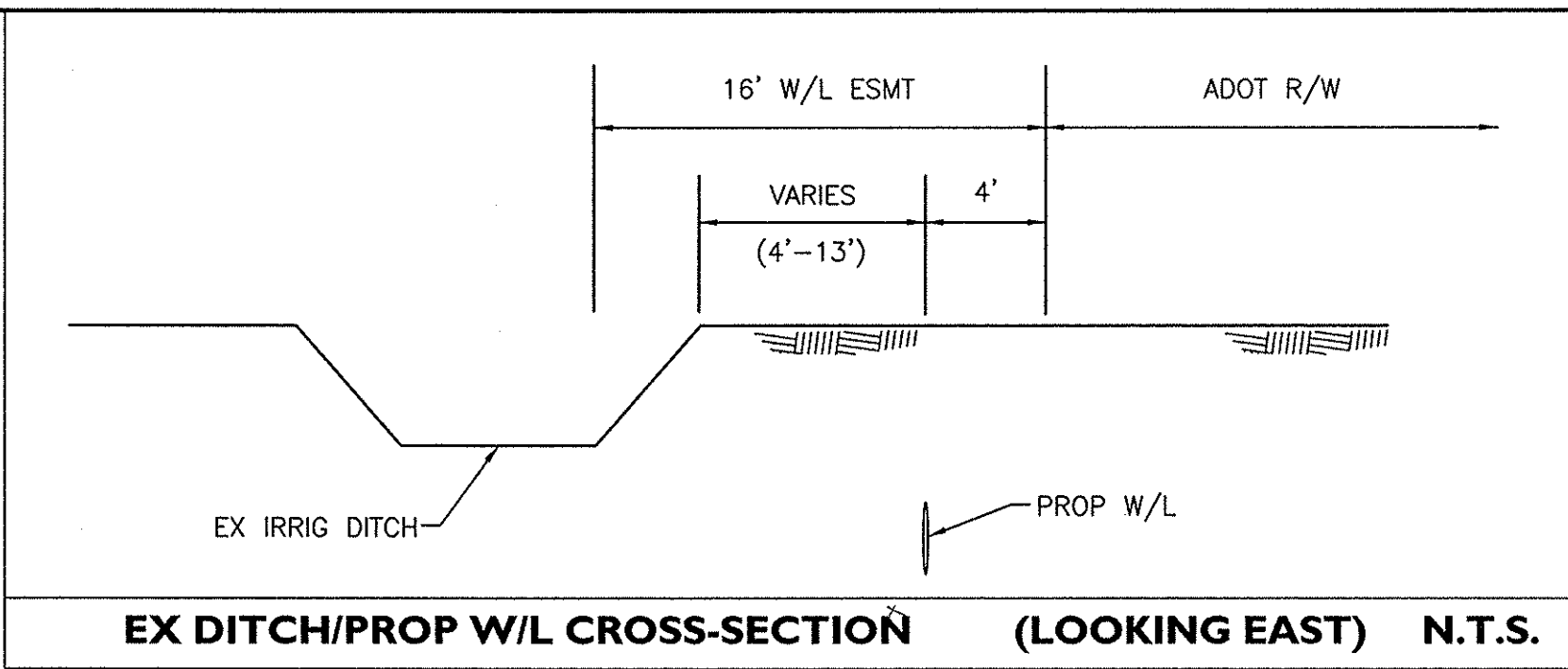
SHEET TITLE

OFFSITE POTABLE
WATERLINE PLANS

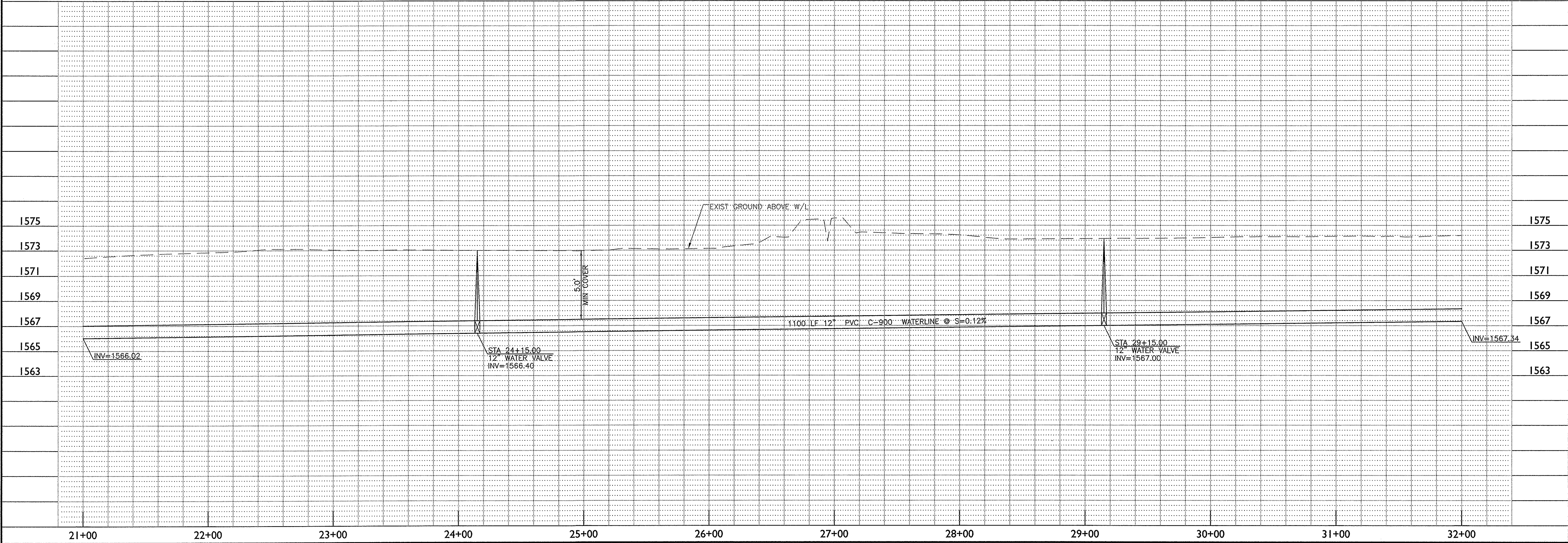
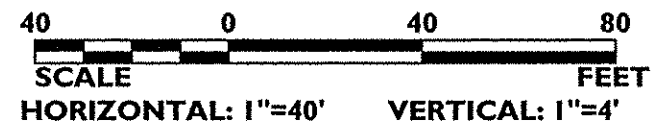
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APPROVED: EDW	PLOT FACTOR: PAPER
PROJECT: 07-013	DATE: 04-27-07
CAD NAME: WP08	SCALE: 1"=40'

DRAWING NUMBER
07-013-WP08 11 of 15

CONSTRUCTION NOTES			
(28)	ADJUST FRAME & COVER MAG 391-1-C	2 EA	NOTE: CONTRACTOR TO REMOVE TREES/BRUSH AWAY FROM PROP W/L ALIGNMENT PRIOR TO TRENCHING. PRESERVE EX BARB-WIRE FENCE ALONG PROP W/L.
(30)	12" PVC C-900 WATERLINE CL 150 (ELOY SWD-1000)	1100 LF	
(34)	12" WATER VALVE MAG 391-1-C & 392-C	2 EA	



ADOT North R/W (Interstate 10)



NEW WALLBOARD FACILITY
FOR

National Gypsum Company

ELOY, ARIZONA

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SEAL

Professional Engineer
44744
ERIC D. WINTERS
Date Signed 07/19/23
ARIZONA

REV	DATE	DRAWN	DESCRIPTION
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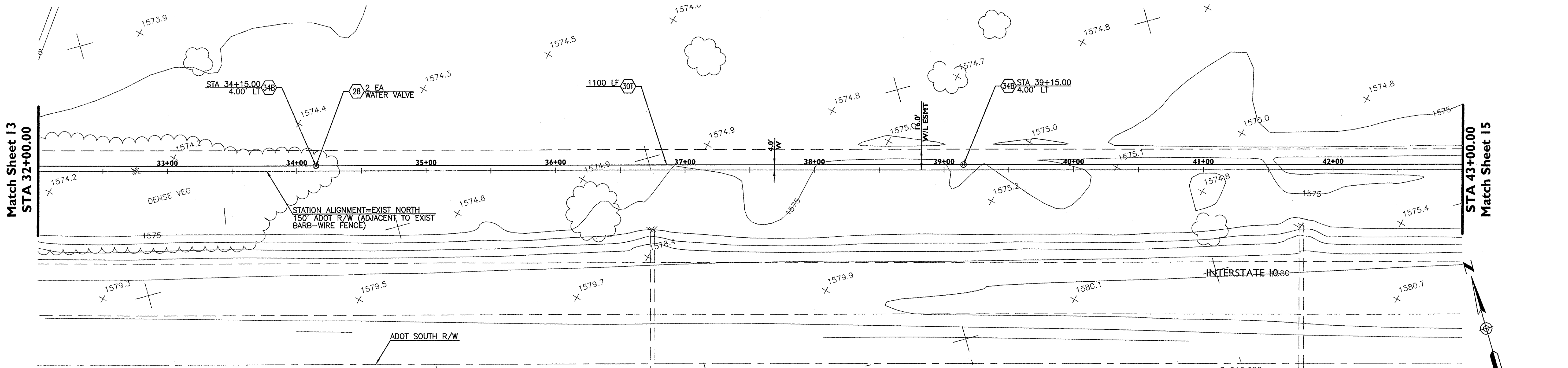
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SHEET TITLE
OFFSITE POTABLE WATERLINE PLANS

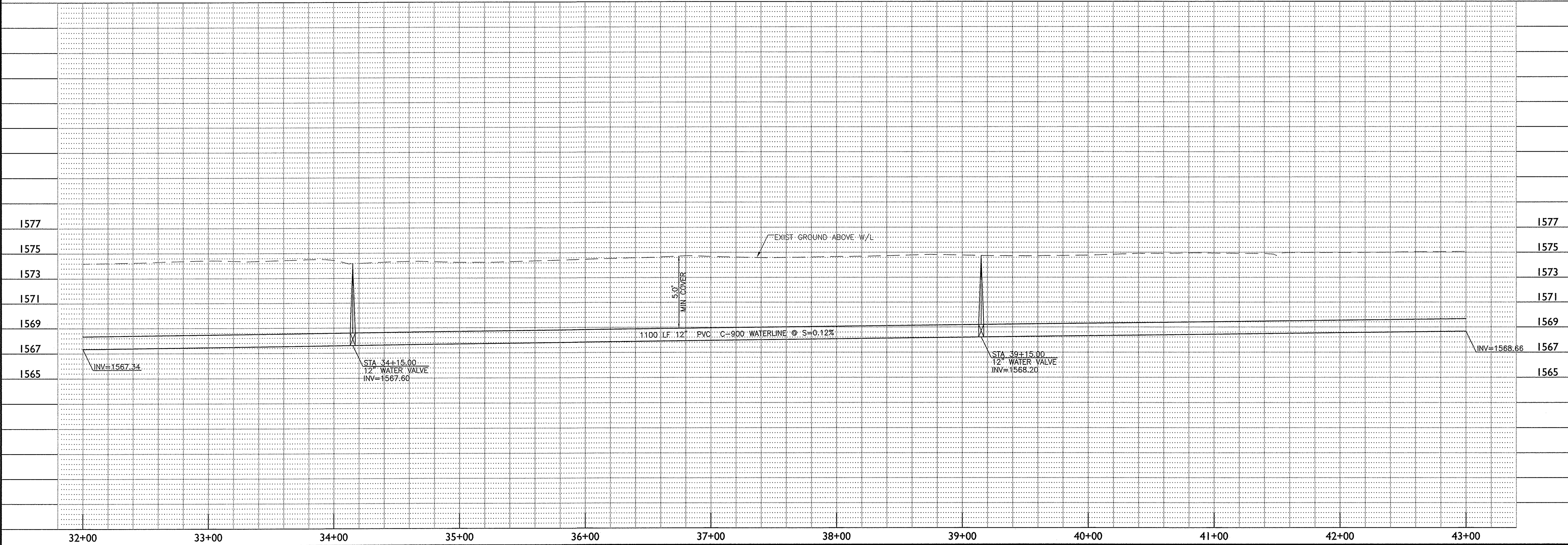
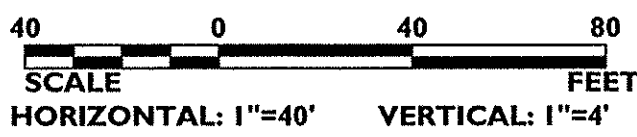
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APPROVED: EDW	DATE: 04-27-07
PROJECT: 07-013	SCALE: 1"=40'
CAD NAME: WP10	

DRAWING NUMBER
07-013-WP10 13 of 15

CONSTRUCTION NOTES		
28	ADJUST FRAME & COVER MAG 391-1-C	2 EA
30T	12" PVC C-900 WATERLINE CL 150 (ELOYSWD-1000)	1100 LF
34B	12" WATER VALVE MAG 391-1-C & 392-C	2 EA
NOTE: CONTRACTOR TO REMOVE TREES/BRUSH AWAY FROM PROP W/L ALIGNMENT PRIOR TO TRENCHING. PRESERVE EX BARB-WIRE FENCE ALONG PROP W/L.		



ADOT North R/W (Interstate 10)



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COMPANY

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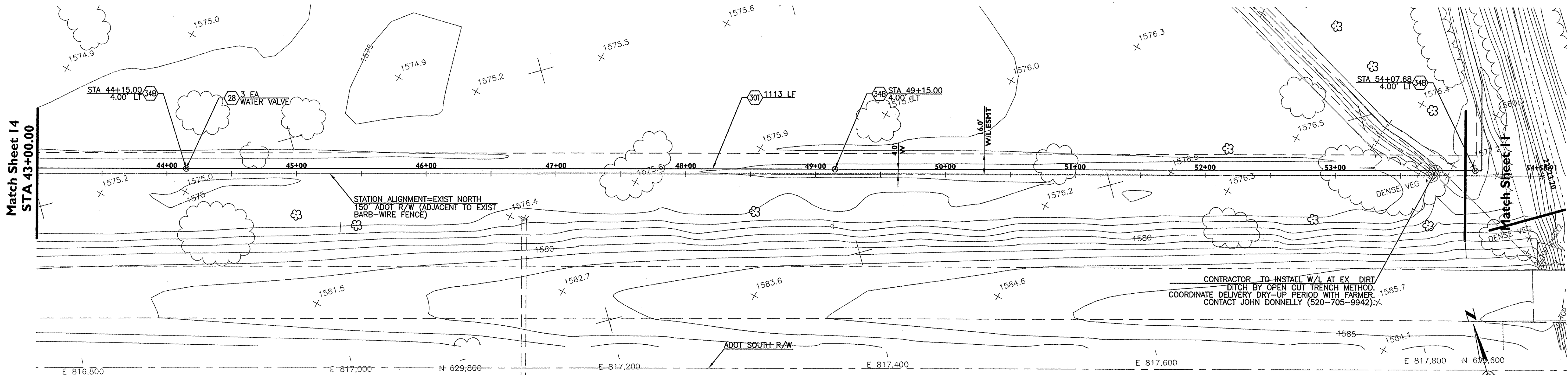
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SHEET TITLE
**OFFSITE POTABLE
WATERLINE PLANS**

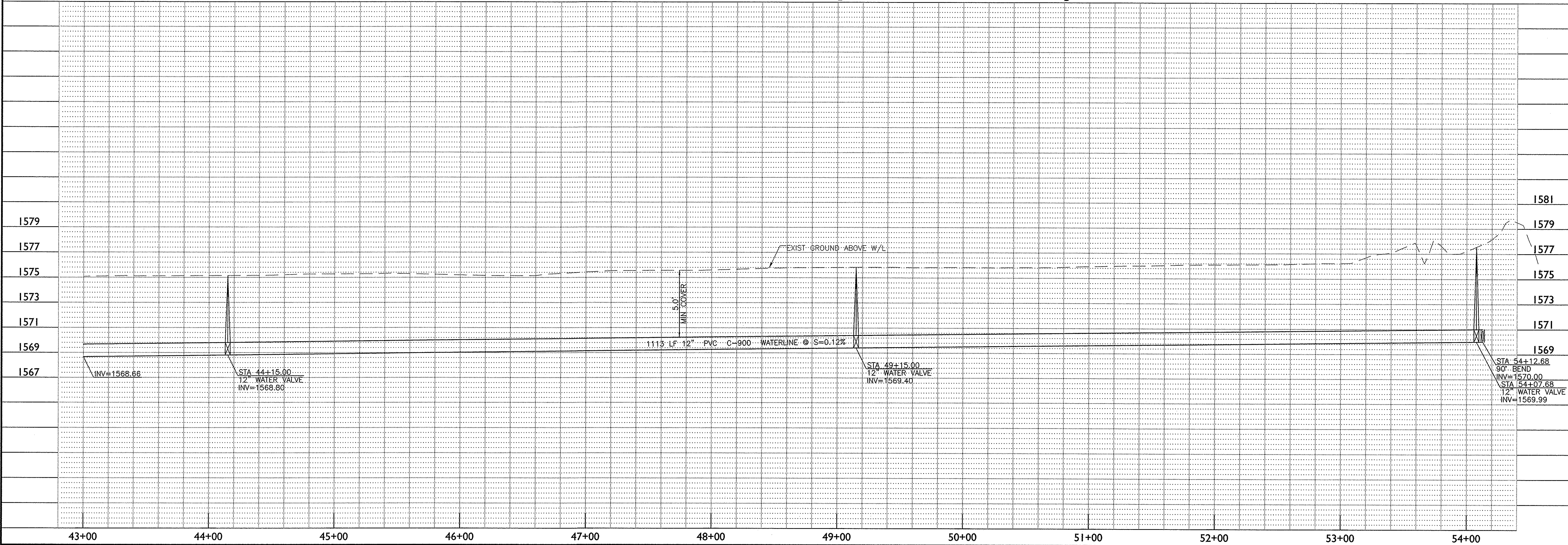
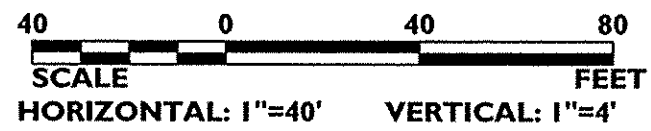
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APPROVED: EDW	PLOT FACTOR: PAPER
PROJECT: 07-013	DATE: 04-27-07
CAD NAME: WP11	SCALE: 1"=40'

DRAWING NUMBER
07-013-WP11 14 of 15

CONSTRUCTION NOTES			
(28) ADJUST FRAME & COVER MAG 391-1-C	3 EA	NOTE: CONTRACTOR TO REMOVE TREES/BRUSH AWAY FROM PROP W/L ALIGNMENT PRIOR TO TRENCHING. PRESERVE EX BARB-WIRE FENCE ALONG PROP W/L.	
(307) 12" PVC C-900 WATERLINE CL 150 (ELOY SWD-1000)	1113 LF		
(548) 12" WATER VALVE MAG 391-1-C & 392-C	3 EA		



ADOT North R/W (Interstate I0)



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SHEET TITLE OFFSITE POTABLE WATERLINE PLANS

DRAWN: MPZ	SHEET SIZE: 24x36
CHECKED: AMT	PLOT FACTOR: PAPER
APPROVED: EDW	DATE: 04-27-07
PROJECT: 07-013	SCALE: 1"=40'
CAD NAME: WP12	