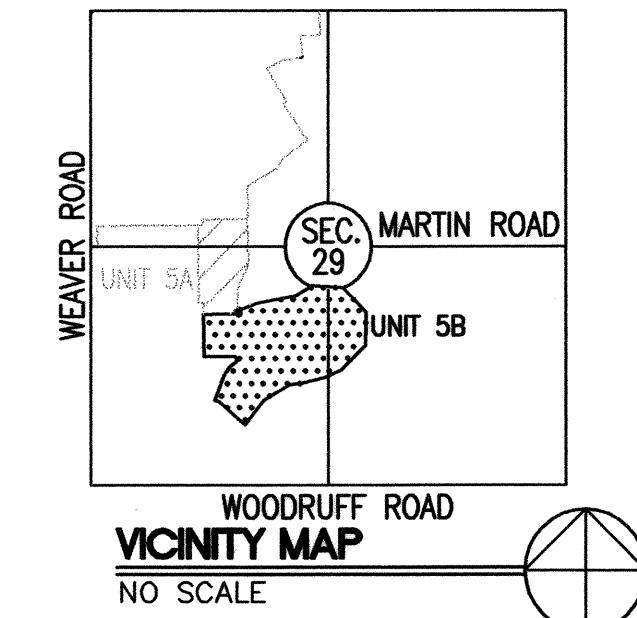
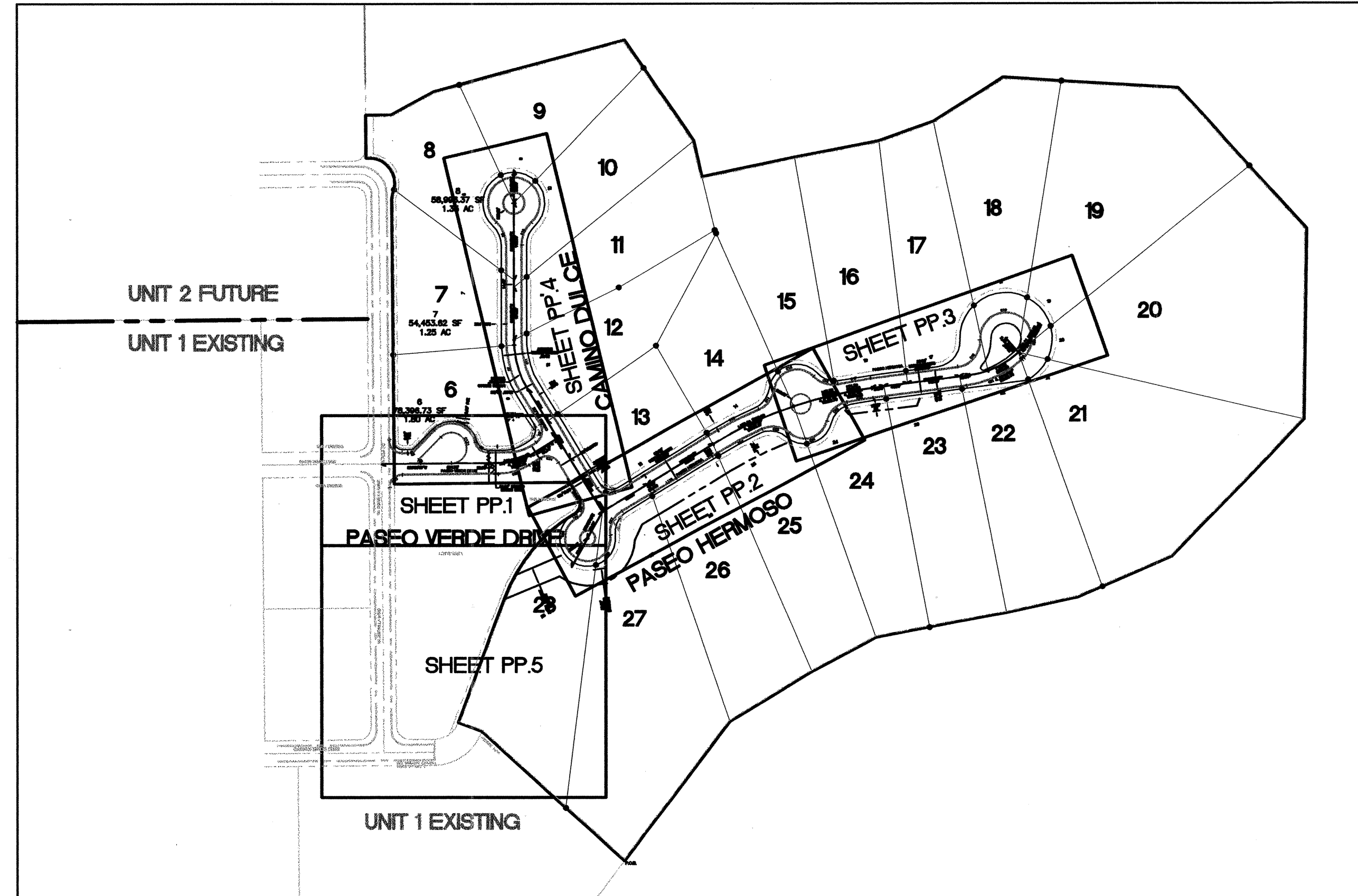


A PORTION OF THE NORTHWEST 1/4, THE SOUTHWEST 1/4 AND THE SOUTHEAST 1/4 OF SECTION 29,
T-5-S, R-7-E OF THE GILA AND SALT RIVER BASE AND
MERIDIAN, PINAL COUNTY, ARIZONA

	EXISTING SURVEY MONUMENT FND. AS NOTED		TOP OF CURB ELEVATION
	PROPOSED SURVEY MONUMENT (BRASS CAP)		FIELD GRADE ELEVATION
	CORNER OF SUBDIVISION		TOP OF WALL ELEVATION
	PUBLIC UTILITY EASEMENT (PUE)		PAVEMENT ELEVATION
	VEHICULAR NON ACCESS EASEMENT (VNAE)		GUTTER ELEVATION
	ROADWAY CENTERLINE		CONCRETE ELEVATION
	RIGHT-OF-WAY		EDGE OF PAVEMENT ELEVATION
	PROPERTY LINE		GRADE BREAK
	SET BACK LINE		FIRE HYDRANT
	SIGHT VISIBILITY TRIANGLE EASEMENT (SVTE)		WATER METER
	DRAINAGE EASEMENT (DE)		WATER VALVE
	SUBDIVISION BOUNDARY		WATERLINE CAP
	STATION		MANHOLE
	VISIBILITY TRIANGLES		SEWER CLEANOUT
	STORM DRAIN		PROPOSED AIR RELEASE VALVE
	PROPOSED PLAN SLOPE ANGLE		PROPOSED WATERLINE REDUCER
	STORMWATER FLOW DIRECTION		PROPOSED BACKFLOW ASSEMBLY
	CULVERT		SIGN
			WATERLINE BLOW OFF VALVE
			AIR RELEASE VALVE



SEWER	INDIVIDUAL SEPTIC SYSTEMS
WATER	ARIZONA WATER COMPANY
GAS	SOUTHWEST GAS - NOT AVAILABLE
ELECTRICITY	SAN CARLOS PROJECT
TELEPHONE	QWEST TELEPHONE COMPANY
POLICE	PINAL COUNTY SHERIFF'S OFFICE
FIRE	REGIONAL FIRE RESCUE
SCHOOLS	CASA GRANDE UNIFIED SCHOOL DISTRICT
SOLID WASTE	PRIVATE HAULER
STREETS	PINAL COUNTY HIGHWAY DEPARTMENT

1. DEVELOPER SHALL OBTAIN A PINAL COUNTY RIGHT OF WAY USE PERMIT PRIOR TO ANY WORK BEING PERFORMED WITHIN THE COUNTY RIGHT OF WAY. CONTACT PINAL COUNTY PUBLIC WORKS AT 520-866-6033 AT LEAST 5 WORKING DAYS PRIOR TO WORK.
2. TRAFFIC CONTROL AND BARRICADING SHALL BE ACCORDING TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES OR PINAL COUNTY REQUIREMENTS. CONTRACTOR TO SUPPLY LIGHTED BARRICADES AT 50' INTERVALS WITH OPEN TRENCH SIGNAGE.
3. ALL WORK REQUIRED TO COMPLETE THE CONSTRUCTION COVERED BY THESE PLANS SHALL BE IN ACCORDANCE WITH MAG STANDARD SPECIFICATIONS AND DETAILS.
4. FRAMES, COVERS, VALVE BOXES, AND MANHOLE COVERS SHALL BE ADJUSTED TO FINISHED GRADE PRIOR TO COMPLETION OF CONSTRUCTION.
5. CONTRACTOR IS RESPONSIBLE FOR BLUE STAKE MARKING DAILY AS CONSTRUCTION IS IN PROGRESS.
6. ALL RESIDENTS TO BE NOTIFIED IN PERSON 24 HOURS PRIOR TO DRIVEWAY CROSSING.
7. NO TRENCH TO BE LEFT OPEN/UNCOVERED AFTER WORKING HOURS.
8. PERFORM A DEFLECTION TEST OF TOTAL LENGTH OF ALL SEWER LINES MADE OF FLEXIBLE MATERIALS TO ENSURE THAT THE INSTALLATION MEETS OR EXCEEDS THE MANUFACTURER'S RECOMMENDATIONS AND RECORD THE RESULTS PER AAS R18-9-FC301.D.2.1. (GRAVITY SEWER)
9. BEFORE GRADING IN AREAS CONTAINING NATIVE DESERT VEGETATION, THE CONTRACTOR MUST OBTAIN A PERMIT FROM ARIZONA DEPARTMENT OF AGRICULTURE. FOR INFORMATION, PHONE 602-425-9933/542-0994.
10. ANY WORK ON ARTERIAL OR COLLECTOR ROADS SHALL REQUIRE AN OFF-DUTY PINAL COUNTY SHERIFF'S OFFICER FOR TRAFFIC CONTROL. CONTACT SHALL BE MADE THROUGH THE PCSO REPRESENTATIVE CALVIN HESS AT 520-866-6885 OR BY CELL PHONE AT 520-709-3000.
11. BEFORE FINAL ACCEPTANCE OF PAVING PLANS, LANDSCAPE PLANS MUST BE SUBMITTED TO PINAL COUNTY PUBLIC WORKS FOR REVIEW.
12. ANY WORK DONE IN A DRAINAGE CHANNEL OR WASH MUST COMPLY WITH STATE AND FEDERAL REGULATIONS.

PP.0	COVER SHEET/KEY MAP-IMPROVEMENT PLANS
PP.1	PLAN/PROFILE PASEO VERDE DRIVE
PP.2	PLAN/PROFILE PASEO HERMOSO
PP.3	PLAN/PROFILE PASEO HERMOSO
PP.4	PLAN/PROFILE CAMINO DULCE
P.5	PLAN - PUMP HOUSE WATER LINE
SWPPP	STORMWATER POLLUTION PREVENTION PLAN

DEVELOPER:
TIERRA RICA DEVELOPMENT, INC.
4802 NORTH 66TH STREET
SCOTTSDALE, AZ 85251
HARLYN L. GRIFFITHS, PRESIDENT
480 393-3812

ENGINEER:
BRUCE J. KOLINSKI, P.E.
315 W. SAN JUAN AVE.
PHOENIX, AZ 85013
602-743-2867 Cell
602 274-0195 Office
602-274-0825 FAX
kolinski@q.com

I HEREBY CERTIFY THAT THE "RECORD DRAWING" MEASUREMENTS AND SURVEY MONUMENTS AS SHOWN HEREON WERE MADE UNDER MY SUPERVISION OR AS NOTED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DATE _____

DATE _____

PINAL COUNTY ENGINEER
PINAL COUNTY, DEPARTMENT OF PUBLIC WORKS
APPROVAL EXPIRES: _____

DATE _____

DATE _____



Bruce J. Kolinski, P.E.
civil engineer

315 West San Juan Avenue
Phoenix, Arizona 85013
602 274-0195
602 274-0825 Fax
kolinski@qwest.net

REVISIONS

PINAL COUNTY, ARIZONA

D & H INVESTMENTS AND
SIGNAL PEAK INVESTMENTS LIMITED PARTNERSHIP

LAS MONTANAS UNIT 5B

EC 09

B NO.:
009-15

PROJECT MANAGER	
JK	

AWN BY
MK

CHECKED BY
JK

3. Professional

20731
BRUCE
KOLINS

Expires 06/

DD

1

1

QUANTITIES ARE FOR BUDGET ESTIMATING PURPOSES ONLY.
CONTRACTOR SHALL VERIFY ALL QUANTITIES PRIOR TO PLACING ANY
BIDS.

6"FLxMJ GATE VALVE W/ BOX & COVER	3 EACH
6" CL 350 D.I.P. HYDRANT LEAD	40 LF
FIRE HYDRANT COMPLETE	4 EACH
1" WATER SERVICE CONNECTION	23 EACH
1" LANDSCAPE SERVICE CONNECTION	3 EACH
8" CL 350 D.I.P.	3677 LF
8"MXxMJ GATE VALVE W/ BOX & COVER	6 EACH
8"MXx6"FL TEE /	3 EACH
6"MXxMJ GATE VALVE W/ BOX & COVER	1 EACH
8"x6" MJ CONCENTRIC REDUCER	1 EACH
8"MJ 22.5" BEND	4 EACH
8"MJ 90° BEND	3 EACH
AIR RELEASE VALVES	2 EACH

QUANTITIES ARE FOR BUDGET ESTIMATING PURPOSES ONLY.
CONTRACTOR SHALL VERIFY ALL QUANTITIES PRIOR TO PLACING ANY
BIDS.

24" CONCRETE RIBBON CURB	4560 LF
6" CONCRETE VERTICAL CURB	640 LF
2.5" AC ON 6" ABC	16300 SY
ADJUST VALVE BOX	9 EACH

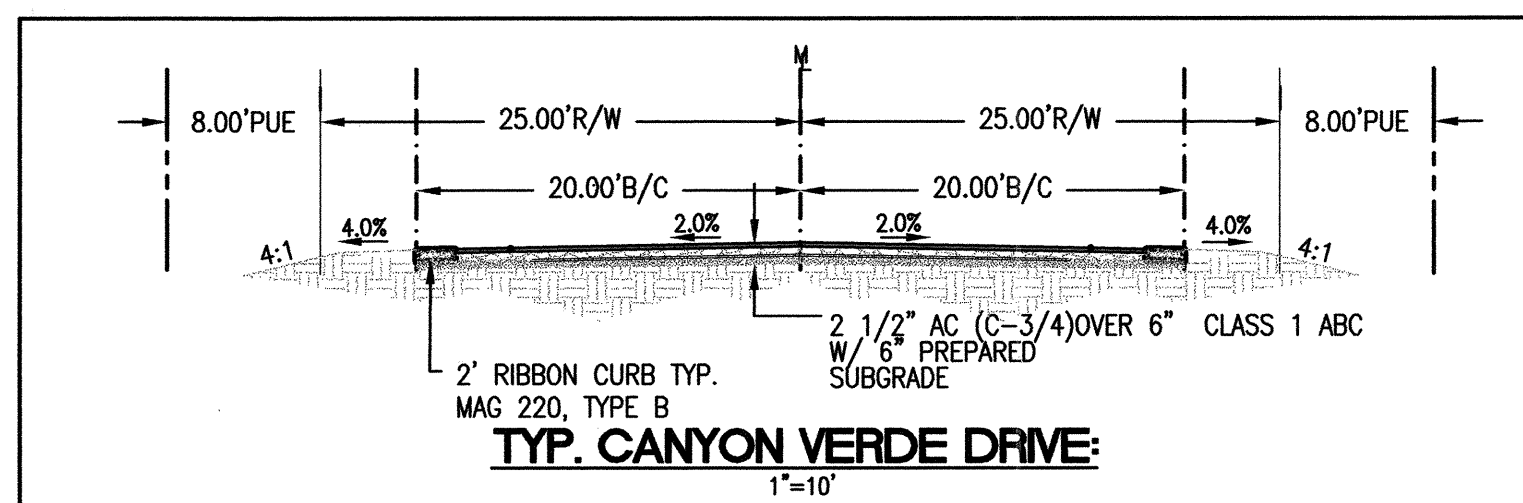
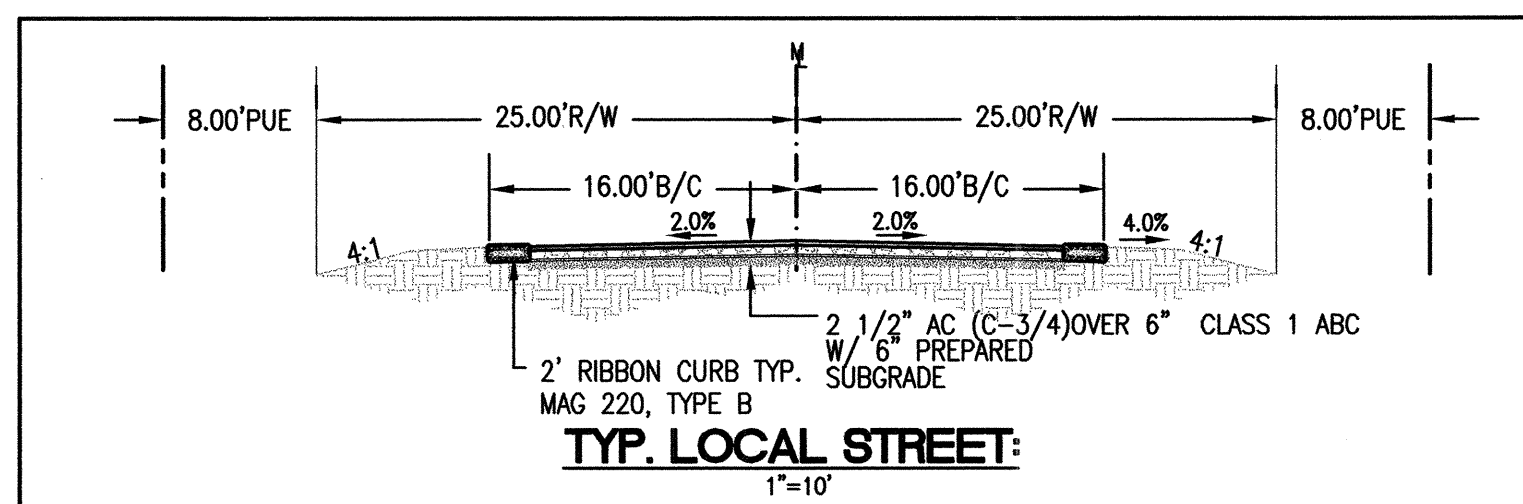
UTILITY	COMPANY	CONTACT	TELEPHONE	SIGNED
WATER	ARIZONA WATER COMPANY		480-982-2201	5-27-07
SANITARY SEWER	N/A			
ELECTRIC	SAN CARLOS PROJECT CO.		520-723-6202	5-01-06
TELEPHONE	QWEST	CONFLICT REVIEW	602-630-0496	-
NATURAL GAS	SW GAS	FRANCHISE DEPT.	602-484-5306	NOT AVAILABLE

I BRUCE J. KOLINSKI, BEING THE PERSON RESPONSIBLE FOR DESIGNING THE CIVIL FACILITIES NECESSARY TO SERVE THIS DEVELOPMENT, HEREBY CERTIFY THAT ALL OF THE UTILITY COMPANIES LISTED ABOVE, HAVE BEEN SENT THIS PROJECT PROPOSAL FOR REVIEW. ANY CONFLICT RESOLUTION, RELOCATION, AND/OR ADJUSTMENT HAS NOT BEEN RESOLVED BY THIS ENGINEER AND IS NOT PART OF THESE CIVIL PLANS. ALL DRY UTILITY WORK IS BY OTHERS.

SIGNATURE B. J. Kalinski

01-26-2010
DATE

1. ALL NEW OR RELOCATED UTILITIES SHALL BE PLACED UNDERGROUND.
2. ALL WORK WITHIN PUBLIC RIGHTS-OF-WAY REQUIRE PERMITS FROM AND INSPECTIONS BY PINAL COUNTY.
3. ALL TRENCH WORK WITHIN PUBLIC UTILITY EASEMENTS ADJACENT TO PUBLIC RIGHTS-OF-WAY REQUIRE PERMITS FROM AND INSPECTIONS BY PINAL COUNTY.



BRASS CAP ON THE NORTHEAST CORNER OF SECTION 25,
T5S, R6E, ELEVATION: 1538.18 NAVD 88

GLO BRASS CAP AT THE INTERSECTION OF BEL AIR ROAD.
SOUTH QUARTER CORNER OF SECTION 30, T5S, R7E,
ELEVATION: 1490.71

THE EAST LINE OF THE SOUTHEAST QUARTER
OF SECTION 30, T5S, R7E, OF THE GILA AND
SALT RIVER BASE AND MERIDIAN, PINAL
COUNTY, ARIZONA, WHICH BEARS S 00°17'31"
W.

CALL TWO WORKING DAYS
BEFORE YOU DIG
263-1100
1-800-STAKE
(OUTSIDE MINNAPOLIS CO.)

S-050-00



Bruce J. Kolinski, P.E.
civil engineer

315 West San Juan Avenue
Phoenix, Arizona 85013
602 274-0195
602 274-0825 Fax
kolinski@qwest.net

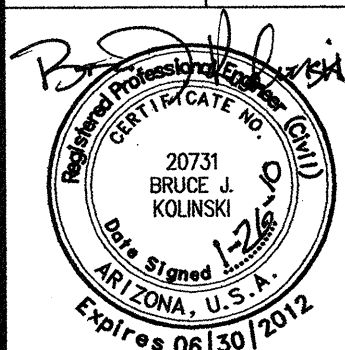
REVISIONS

PINAL COUNTY, ARIZONA

LAS MONTANAS UNIT 5B

D & H INVESTMENTS AND
SIGNAL PEAK INVESTMENTS LIMITED PARTNERSHIP

DATE	DEC 09
JOB NO.:	2009-15
PROJECT MANAGER	B.K.
DRAWN BY	NMK
CHECKED BY	B.K.



DRAWING NO.

PP.1

SHEET NO. 2 OF 7

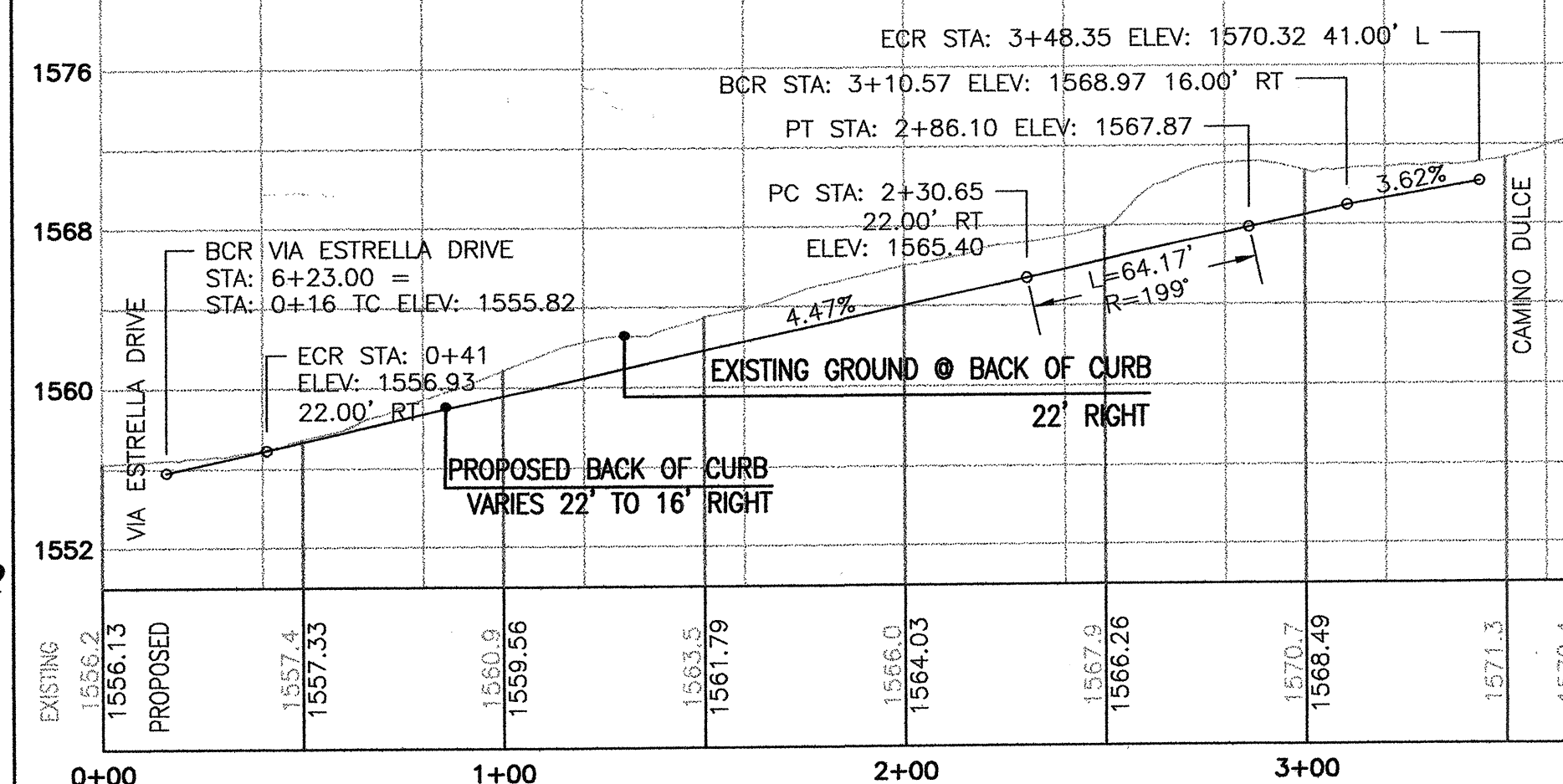
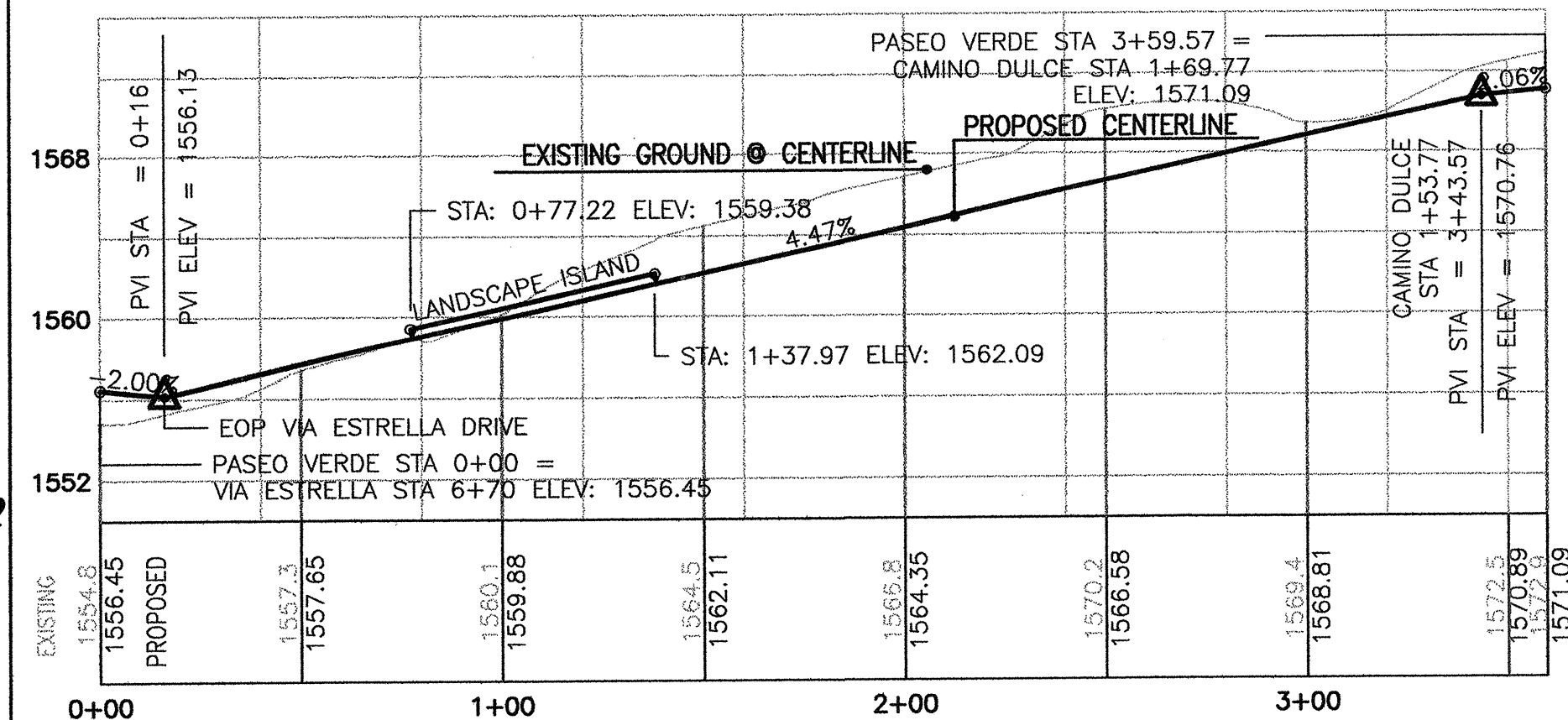
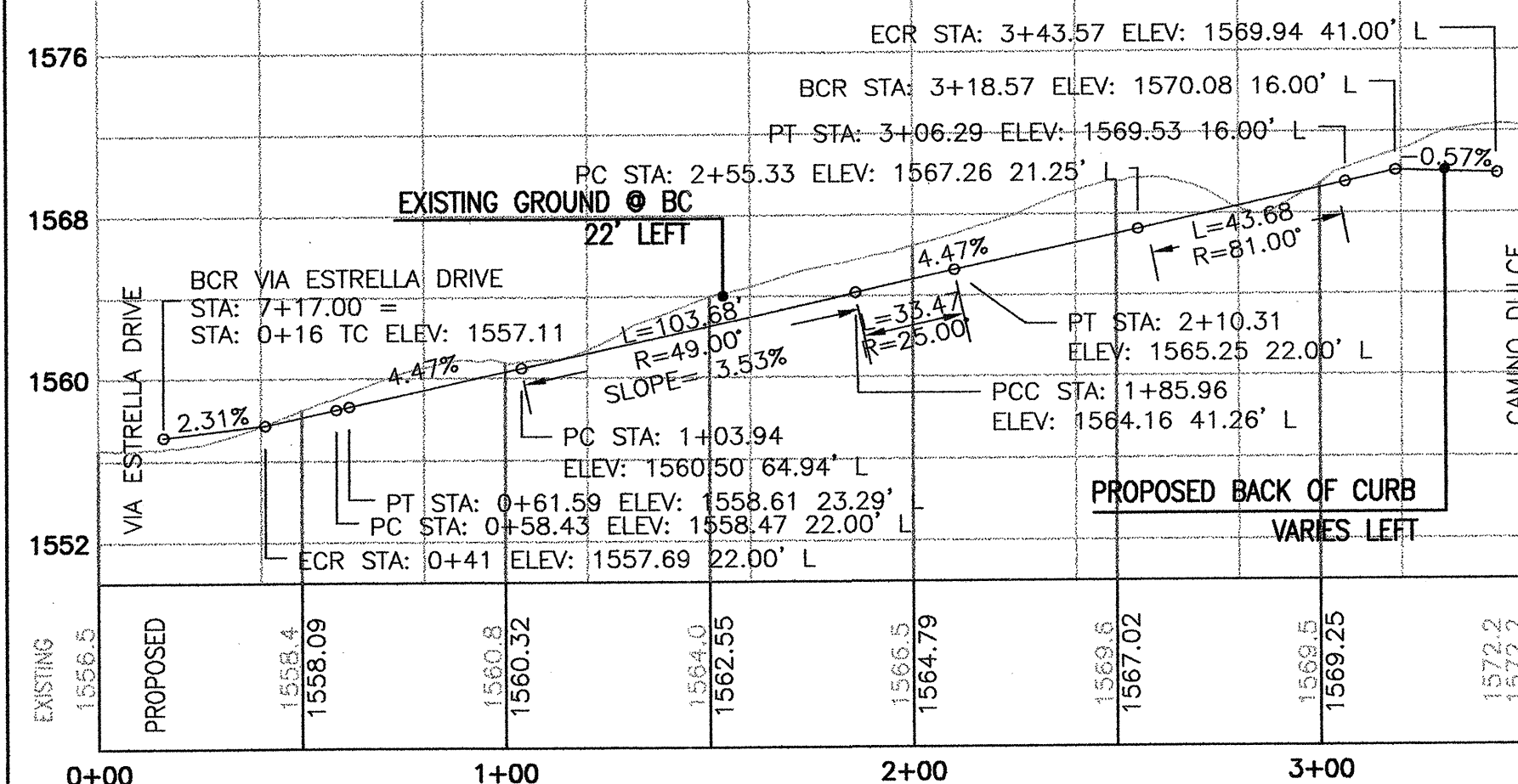
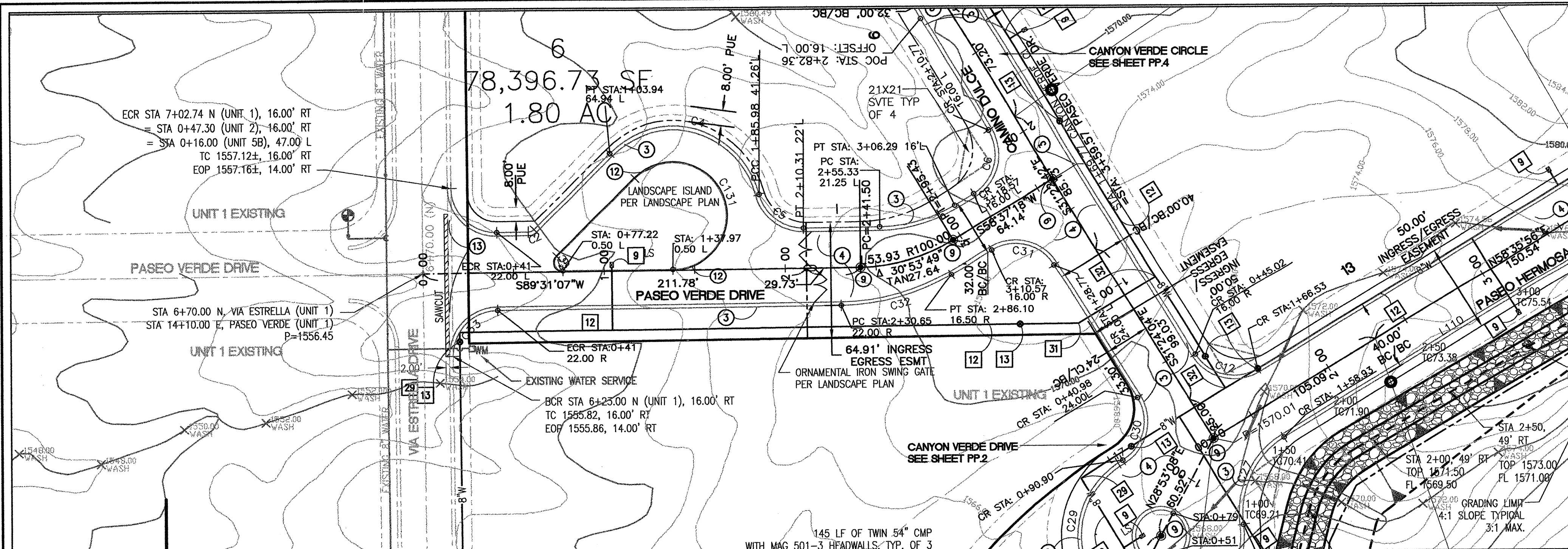
LEGEND NOTES:

WATER LINE LEGEND NOTES:

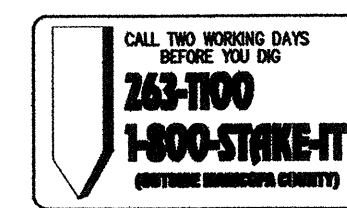
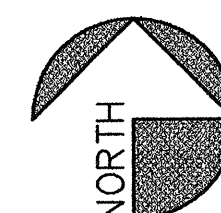
- NOTE: ALL DETAILS PER ARIZONA WATER COMPANY
- NOT USED.
 - NOT USED.
 - NOT USED.
 - NOT USED.
 - INSTALL 6"FLX MJ GATE VALVE W/ BOX & COVER PER E-9-2-1, E-9-4-1 & E-9-6-1.
 - INSTALL 6" CL 350 D.I.P. HYDRANT LEAD W/ 8 MIL POLYETHYLENE ENCASUREMENT, 6" MINIMUM ABC BEDDING AND 12" MINIMUM ABC COVER. PROVIDE 36" MINIMUM COVER OVER TOP OF PIPE.
 - INSTALL FIRE HYDRANT COMPLETE PER E-9-6-1.
 - NOT USED.
 - INSTALL 1" WATER SERVICE CONNECTION PER E-9-9-1 W/ NO. 2 METER BOX.
 - INSTALL 8"FLX MJ GATE VALVE W/ BOX & COVER PER E-9-2-1 & E-9-4-1.
 - INSTALL AIR RELEASE VALVE PER E-9-8-2.
 - INSTALL 8" CL 350 D.I.P. W/ 8 MIL POLYETHYLENE ENCASUREMENT, 4" MINIMUM ABC BEDDING AND 12" MINIMUM ABC COVER. PROVIDE 36" MINIMUM COVER OVER TOP OF PIPE.
 - INSTALL 8"FLX MJ GATE VALVE W/ BOX & COVER PER E-9-2-1 & E-9-4-1.
 - INSTALL 8"FLX MJ TEE PER E-9-5-1.
 - INSTALL 8"FLX MJ TEE PER E-9-5-1.
 - INSTALL 6" CL 350 D.I.P. WATER LINE W/ 8 MIL POLYETHYLENE ENCASUREMENT, 4" MINIMUM ABC BEDDING AND 12" MINIMUM ABC COVER. PROVIDE 36" MINIMUM COVER OVER TOP OF PIPE.
 - INSTALL 6"FLX MJ GATE VALVE W/ BOX & COVER PER E-9-2-1 & E-9-4-1.
 - INSTALL 8"FLX MJ TEE PER E-9-5-1.
 - INSTALL 8"FLX MJ TEE PER E-9-5-1.
 - INSTALL 6" CL 350 D.I.P. WATER LINE W/ 8 MIL POLYETHYLENE ENCASUREMENT, 4" MINIMUM ABC BEDDING AND 12" MINIMUM ABC COVER. PROVIDE 36" MINIMUM COVER OVER TOP OF PIPE.
 - INSTALL 6"FLX MJ GATE VALVE W/ BOX & COVER PER E-9-2-1 & E-9-4-1.
 - NOT USED.
 - INSTALL 8"FLX MJ 45° BEND PER E-9-5-1.
 - NOT USED.
 - NOT USED.
 - NOT USED.
 - NOT USED.
 - NOT USED.
 - REMOVE EXISTING 8" X 8" TEE, CAP AND 28 LF OF EX. 8" DIP. INSTALL NEW 8" X 8" MJ TEE PER E-9-5-1.
 - NOT USED.
 - INSTALL 8"FLX MJ 90° BEND PER E-9-5-1.
 - NOT USED.
 - INSTALL 8"FLX MJ 22.5° BEND PER E-9-5-1.
 - INSTALL 8"FLX MJ X 8" TEE PER E-9-5-1.
 - NOT USED.
 - INSTALL 8" TAPPED CAP W/ 2" BLOWOFF PER E-9-8-1 & E-9-5-1.
 - INSTALL 8" X 36" MJ SPOOL CENTERED IN 48" MANHOLE FOR POSSIBLE FUTURE CHECK VALVE.

PAVING LEGEND NOTES:

- NOT USED.
- NOT USED.
- INSTALL 24" CONCRETE RIBBON CURB PER MAG STD DET 220, TYPE B.
- INSTALL 2.5" C-3/4 ASPHALT ON 6" CLASS 1 ABC OR 6" PREPARED SUBGRADE.
- NOT USED.
- NOT USED.
- NOT USED.
- NOT USED.
- INSTALL SURVEY MONUMENT PER MAG STD DET 120-1, TYPE B AT INTERSECTIONS, PT'S, PC'S AND CENTER OF CUL-DE-SACS.
- SAWCUT 2.00' TO A CLEAN EDGE AND REMOVE EXISTING. APPLY TACK COAT TO EXISTING CLEAN EDGE. MATCH NEW PAVEMENT TO EXISTING.
- REMOVE BARRICADE.
- INSTALL 6" VERTICAL CONCRETE CURB PER MAG STD DET 222, TYPE "A".
- REMOVE APPROXIMATELY 80 LF OF EXISTING CONCRETE RIBBON CURB AND APPROXIMATELY 140 SY OF EXISTING ASPHALT PAVEMENT.

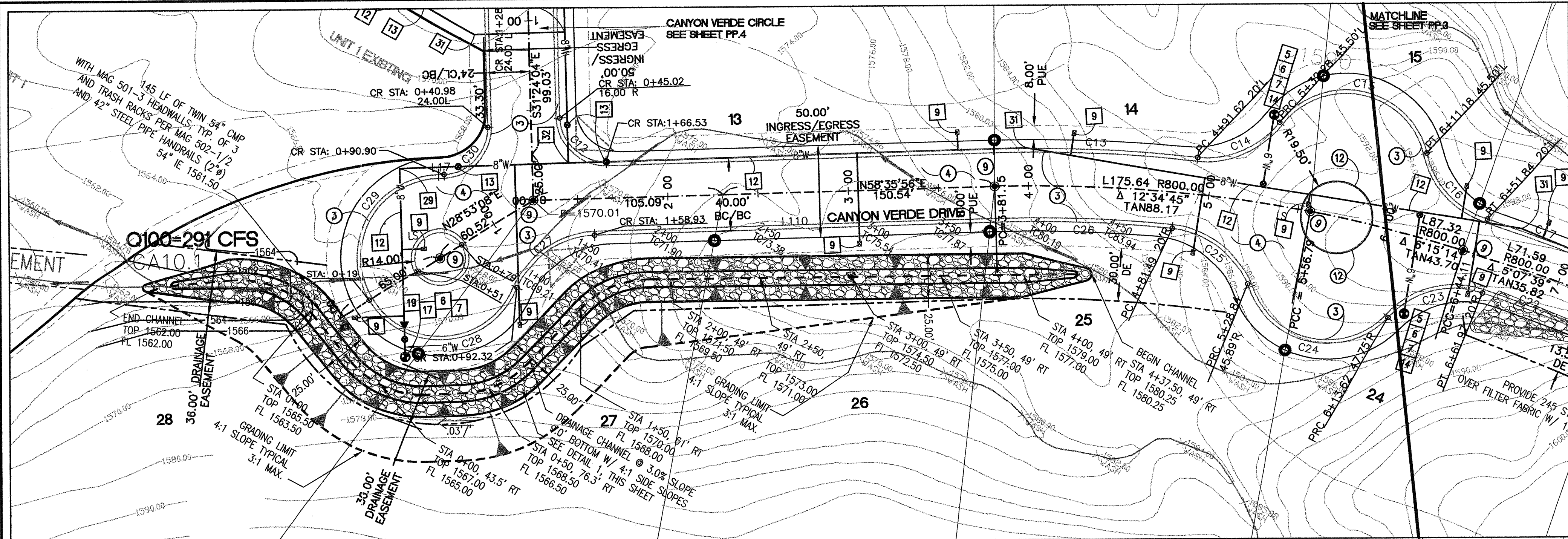


HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"= 8'

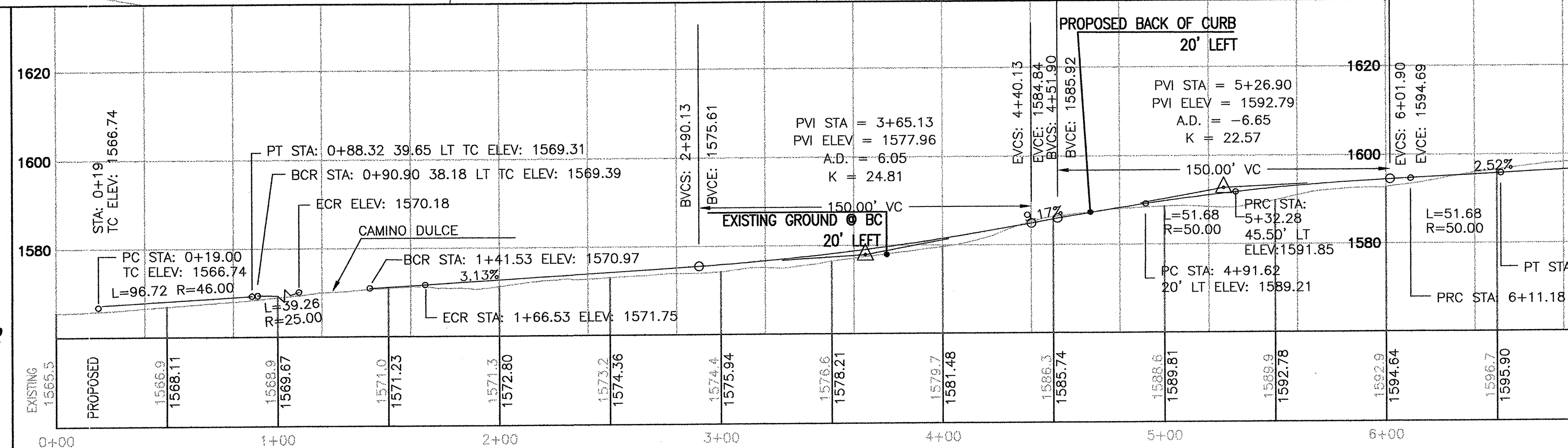


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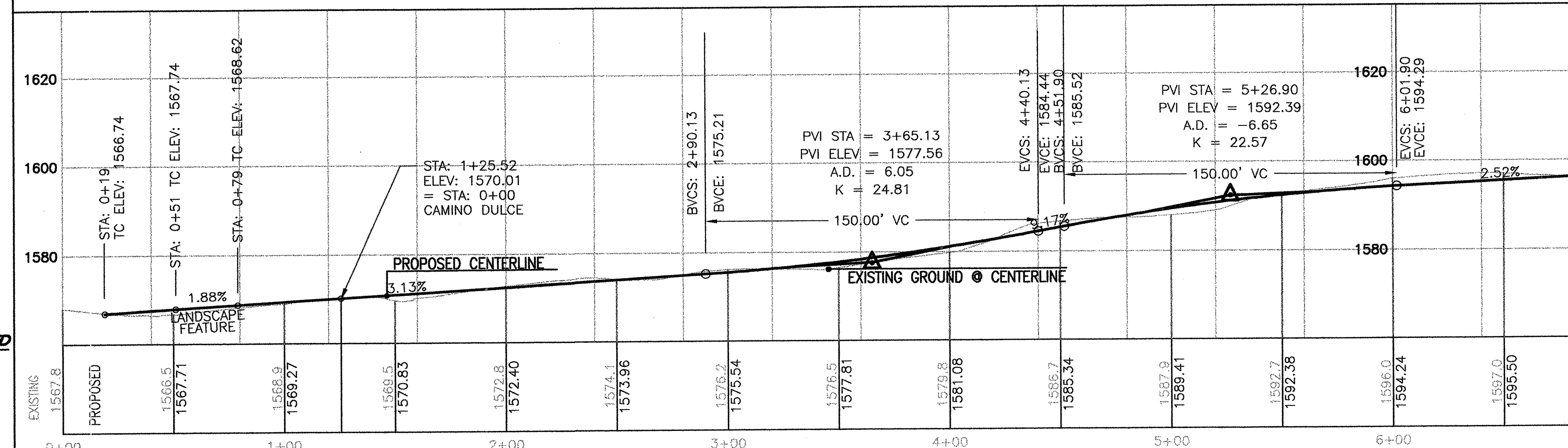
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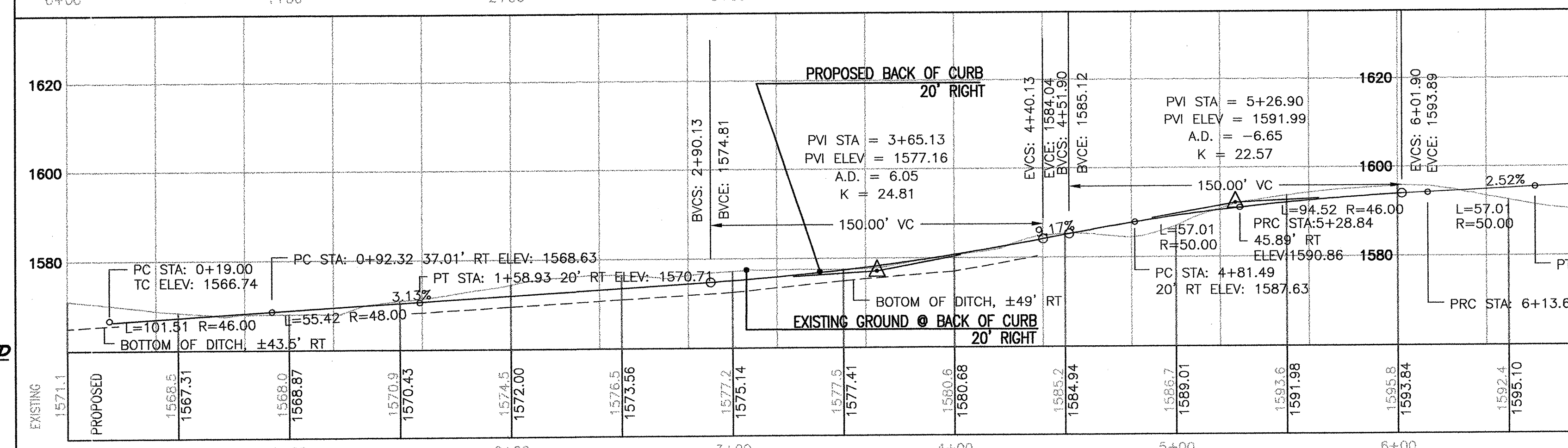
EXISTING/PROPOSED
TC LEFT



EXISTING/PROPOSED
CENTERLINE



EXISTING/PROPOSED
TC RIGHT



LEGEND NOTES:

WATER LINE LEGEND NOTES:

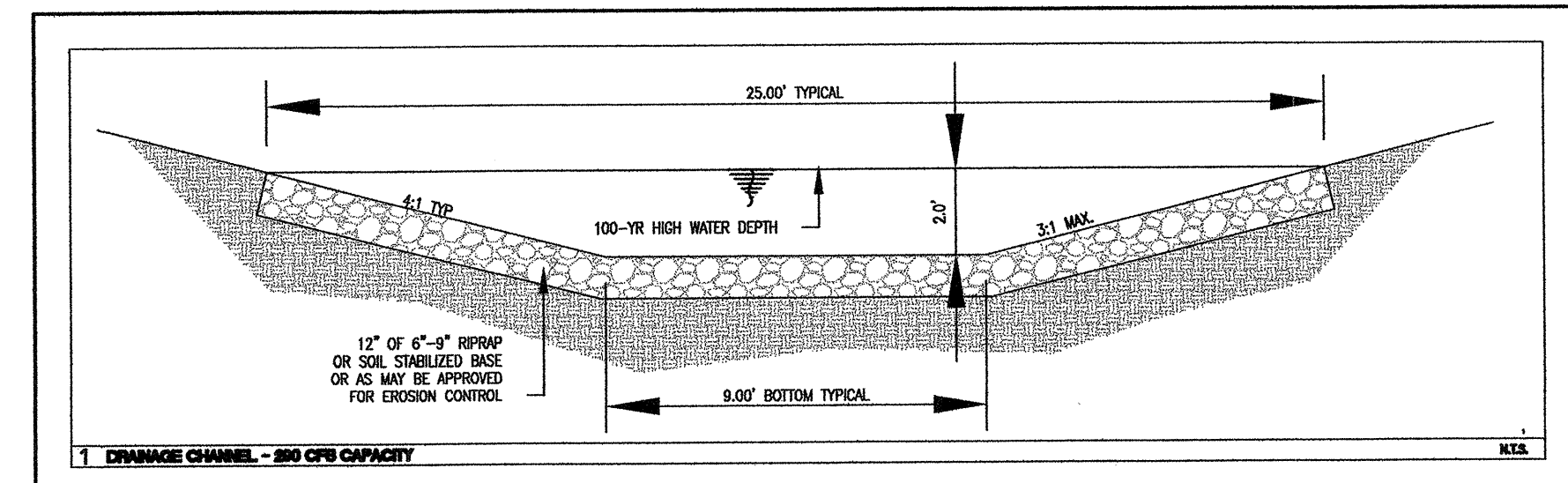
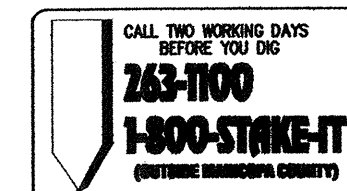
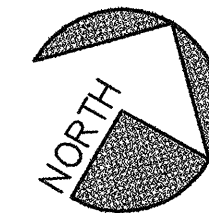
NOTE: ALL DETAILS PER ARIZONA WATER COMPANY

- NOT USED.
- NOT USED.
- NOT USED.
- NOT USED.
- INSTALL 6" FLX MJ GATE VALVE W/ BOX & COVER PER E-9-2-1, E-9-4-1 & E-9-6-1.
- INSTALL 6" CL 350 D.I.P. HYDRANT LEAD W/ 8 MIL POLYETHYLENE ENCASUREMENT, 6" MINIMUM ABC BEDDING AND 12" MINIMUM ABC COVER. PROVIDE 36" MINIMUM COVER OVER TOP OF PIPE.
- INSTALL FIRE HYDRANT COMPLETE PER E-9-6-1.
- NOT USED.
- INSTALL 1" WATER SERVICE CONNECTION PER E-9-9-1 W/ NO. 2 METER BOX.
- INSTALL 8" FLX MJ GATE VALVE W/ BOX & COVER PER E-9-2-1 & E-9-4-1.
- INSTALL AIR RELEASE VALVE PER E-9-8-2.
- INSTALL 8" CL 350 D.I.P. W/ 8 MIL POLYETHYLENE ENCASUREMENT, 4" MINIMUM ABC BEDDING AND 12" MINIMUM ABC COVER. PROVIDE 36" MINIMUM COVER OVER TOP OF PIPE.
- INSTALL 6" FLX MJ GATE VALVE W/ BOX & COVER PER E-9-2-1 & E-9-4-1.
- INSTALL 8" MJ 6" TEE PER E-9-5-1.
- INSTALL 8" MJ 45" BEND PER E-9-5-1.
- NOT USED.
- NOT USED.
- NOT USED.
- NOT USED.
- NOT USED.
- REMOVE EXISTING 8" X 8" TEE, CAP AND 28 LF OF EX. 8" DIP. INSTALL NEW 8" X 8" MJ TEE PER E-9-5-1.
- NOT USED.
- INSTALL 8" MJ 90° BEND PER E-9-5-1.
- NOT USED.
- INSTALL 8" MJ 22.5° BEND PER E-9-5-1.
- INSTALL 8" MJ X 8" MJ TEE PER E-9-5-1.
- NOT USED.
- INSTALL 8" TAPPED CAP W/ 2" BLOWOFF PER E-9-8-1 & E-9-5-1.
- INSTALL 8" X 36" MJ SPOOL CENTERED IN 48" MANHOLE FOR POSSIBLE FUTURE CHECK VALVE.

PAVING LEGEND NOTES:

- NOT USED.
- NOT USED.
- INSTALL 24" CONCRETE RIBBON CURB PER MAG STD DET 220, TYPE B.
- INSTALL 2.5" C-3/4 ASPHALT ON 6" CLASS 1 ABC ON 6" PREPARED SUBGRADE.
- NOT USED.
- NOT USED.
- NOT USED.
- NOT USED.
- INSTALL SURVEY MONUMENT PER MAG STD DET 120-1, TYPE B AT INTERSECTIONS, PT'S, PC'S AND CENTER OF CUL-DE-SACS.
- SAW CUT 2.00" TO A CLEAN EDGE AND REMOVE EXISTING. APPLY TACK COAT TO EXISTING CLEAN EDGE. MATCH NEW PAVEMENT TO EXISTING.
- REMOVE BARRICADE.
- INSTALL 6" VERTICAL CONCRETE CURB PER MAG STD DET 222, TYPE "A".
- REMOVE APPROXIMATELY 80 LF OF EXISTING CONCRETE RIBBON CURB AND APPROXIMATELY 140 SY OF EXISTING ASPHALT PAVEMENT.

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"= 20'



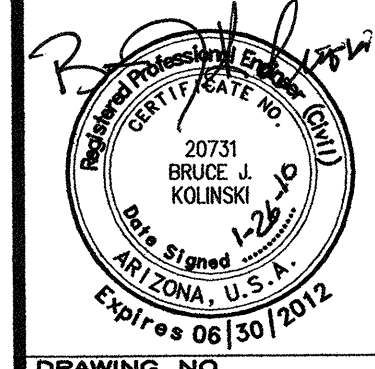
Bruce J. Kolinski, P.E.
civil engineer
315 West San Juan Avenue
Phoenix, Arizona 85013
602 274-0195
602 274-0825 Fax
kolinski@west.net

REVISIONS

PINAL COUNTY, ARIZONA

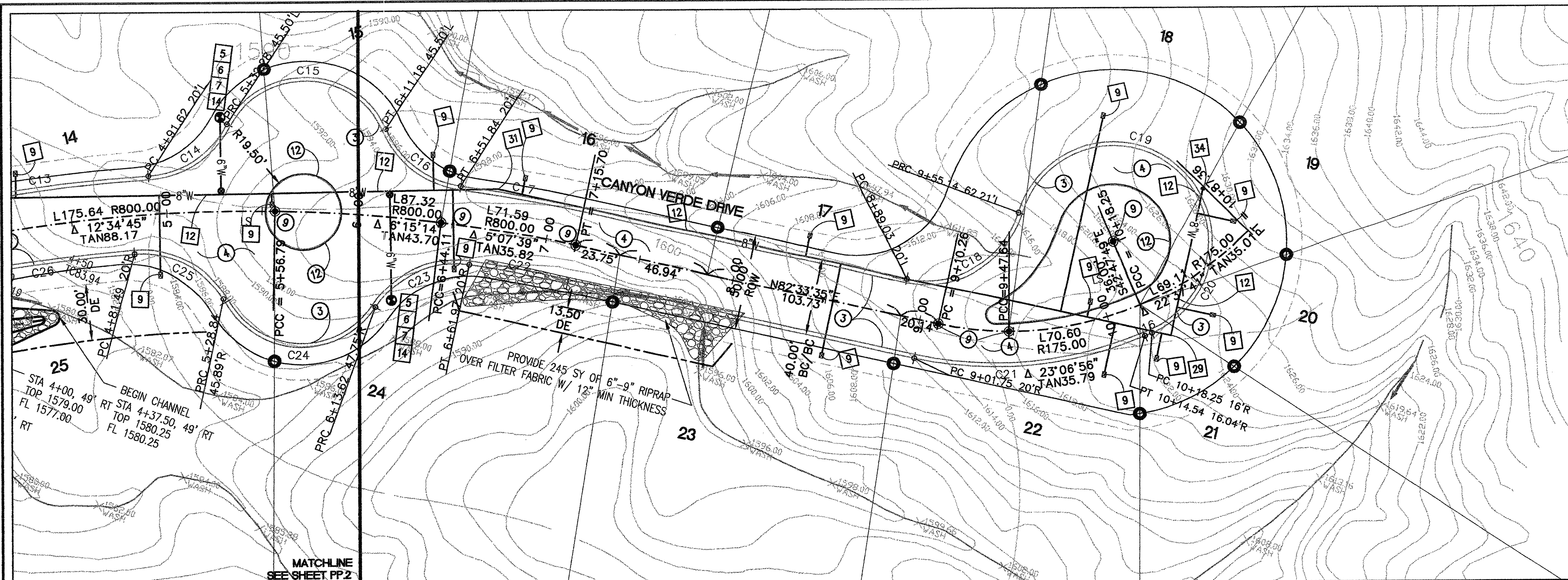
LAS MONTANAS UNIT 5B
D & H INVESTMENTS AND
SIGNAL PEAK INVESTMENTS LIMITED PARTNERSHIP

DATE
DEC 09
JOB NO.:
2009-15
PROJECT
MANAGER
BJK
DRAWN BY
NMK
CHECKED BY
BJK

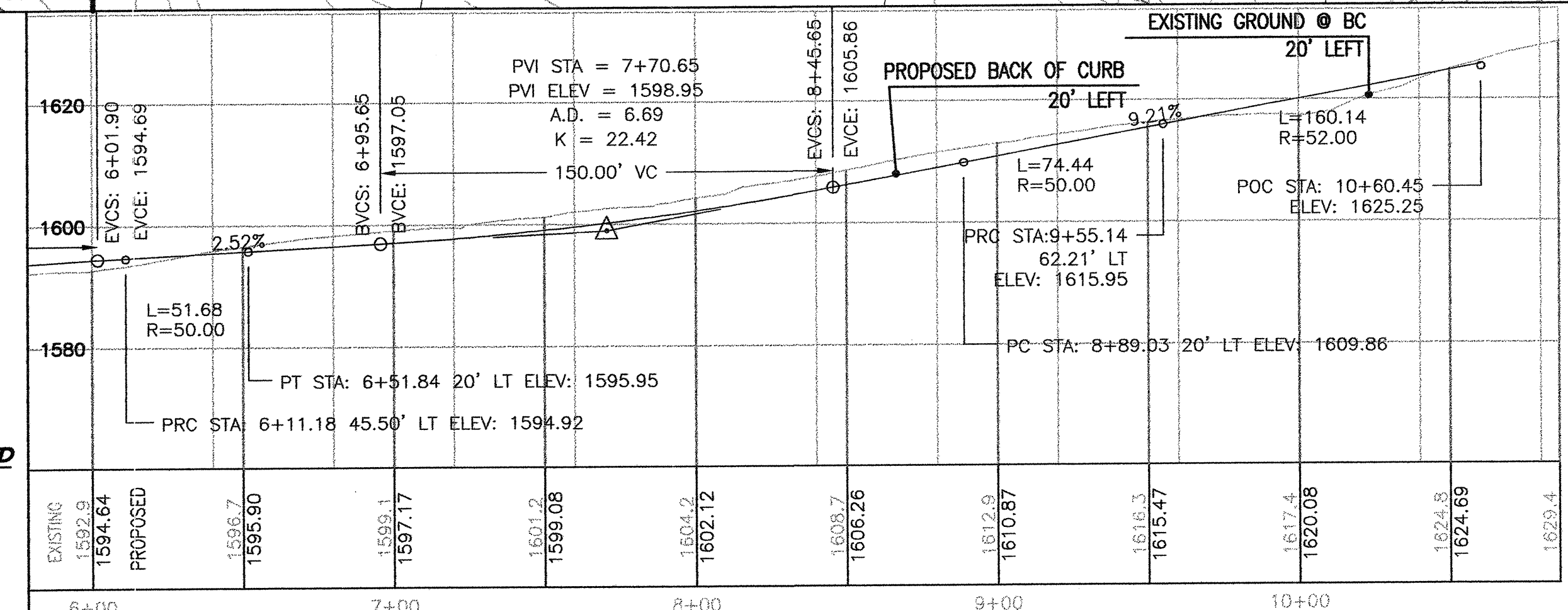


DRAWING NO.
PP.2
SHEET NO. **3** OF **7**

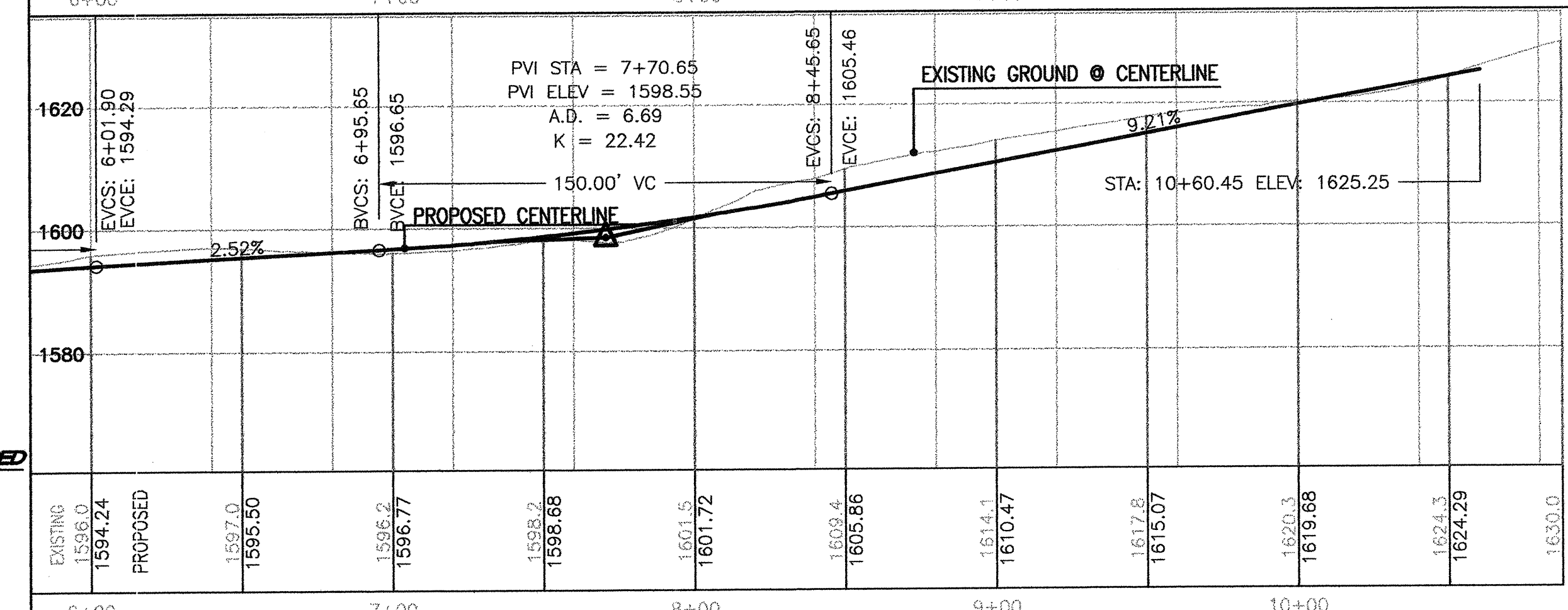
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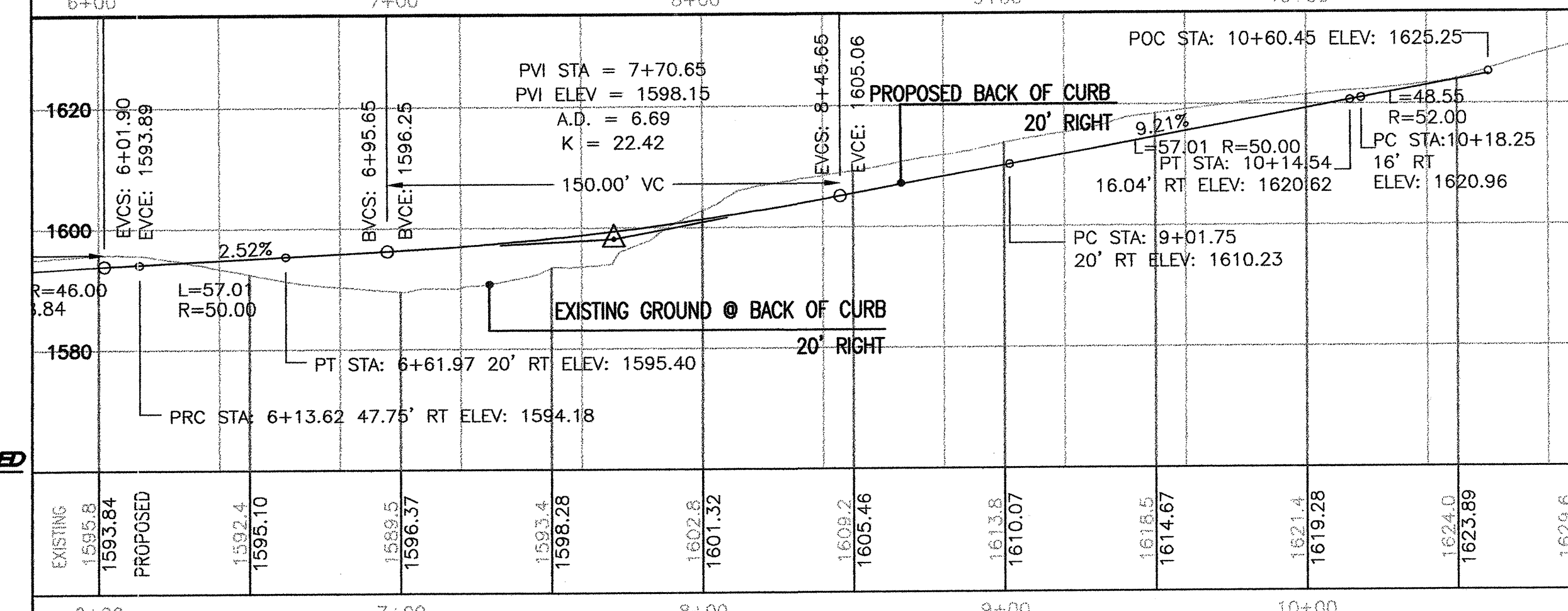
EXISTING/PROPOSED
TC LEFT



EXISTING/PROPOSED
CENTERLINE



EXISTING/PROPOSED
TC RIGHT



LEGEND NOTES:

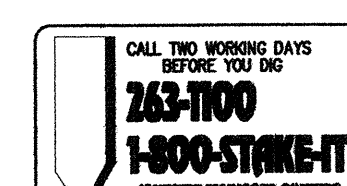
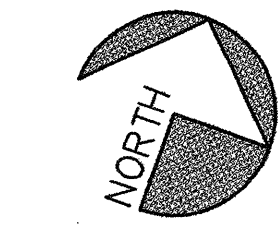
WATER LINE LEGEND NOTES:

- NOTE: ALL DETAILS PER ARIZONA WATER COMPANY
- NOT USED.
 - NOT USED.
 - NOT USED.
 - NOT USED.
 - INSTALL 6" FLX MJ GATE VALVE W/ BOX & COVER PER E-9-2-1, E-9-4-1- & E-9-6-1.
 - INSTALL 6" CL 350 D.I.P. HYDRANT LEAD W/ 8 MIL POLYETHYLENE ENCASEMENT, 6" MINIMUM ABC BEDDING AND 12" MINIMUM ABC COVER. PROVIDE 36" MINIMUM COVER OVER TOP OF PIPE.
 - INSTALL FIRE HYDRANT COMPLETE PER E-9-6-1.
 - NOT USED.
 - INSTALL 1" WATER SERVICE CONNECTION PER E-9-9-1 W/ NO. 2 METER BOX.
 - INSTALL 8" FLX MJ GATE VALVE W/ BOX & COVER PER E-9-2-1 & E-9-4-1.
 - INSTALL AIR RELEASE VALVE PER E-9-8-2.
 - INSTALL 8" CL 350 D.I.P. W/ 8 MIL POLYETHYLENE ENCASEMENT, 4" MINIMUM ABC BEDDING AND 12" MINIMUM ABC COVER. PROVIDE 36" MINIMUM COVER OVER TOP OF PIPE.
 - INSTALL 8" MJ GATE VALVE W/ BOX & COVER PER E-9-2-1 & E-9-4-1.
 - INSTALL 8" MJ 45° BEND PER E-9-5-1.
 - INSTALL 8" MJ 90° BEND PER E-9-5-1.
 - INSTALL 8" MJ 22.5° BEND PER E-9-5-1.
 - INSTALL 8" MJ X 8" MJ TEE PER E-9-5-1.
 - INSTALL 8" TAPPED CAP W/ 2" BLOWOFF PER E-9-8-1 & E-9-5-1.
 - INSTALL 8" X 36" MJ SPOOL CENTERED IN 48" MANHOLE FOR POSSIBLE FUTURE CHECK VALVE.

PAVING LEGEND NOTES:

- NOT USED.
- NOT USED.
- INSTALL 24" CONCRETE RIBBON CURB PER MAG STD DET 220, TYPE B.
- INSTALL 2.5" C-3/4 ASPHALT ON 6" CLASS 1 ABC ON 6" PREPARED SUBGRADE.
- NOT USED.
- NOT USED.
- NOT USED.
- NOT USED.
- INSTALL SURVEY MONUMENT PER MAG STD DET 120-1, TYPE B AT INTERSECTIONS, PT'S, PC'S AND CENTER OF CUL-DE-SACS.
- SAWCUT 2.00' TO A CLEAN EDGE AND REMOVE EXISTING. APPLY TACK COAT TO EXISTING CLEAN EDGE. MATCH NEW PAVEMENT TO EXISTING.
- REMOVE BARRICADE.
- INSTALL 6" VERTICAL CONCRETE CURB PER MAG STD DET 222, TYPE "A".
- REMOVE APPROXIMATELY 80 LF OF EXISTING CONCRETE RIBBON CURB AND APPROXIMATELY 140 SY OF EXISTING ASPHALT PAVEMENT.

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1" = 20'



REVISIONS

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LAS MONTANAS UNIT 5B

D & H INVESTMENTS AND SIGNAL PEAK INVESTMENTS LIMITED PARTNERSHIP

DATE
DEC 09

JOB NO.:
2009-15

PROJECT MANAGER
BJK

DRAWN BY
NMK

CHECKED BY
BJK

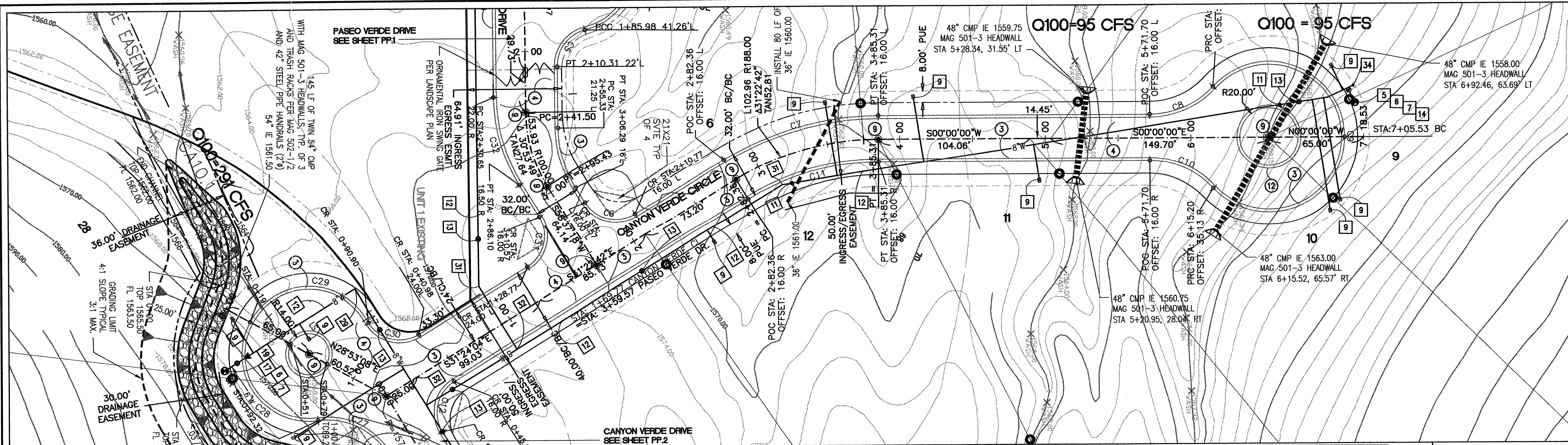
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PLAN PROFILE
CANYON VERDE DRIVE
STA 6+00 TO STA 10+87.36

DRAWING NO.
PP.3

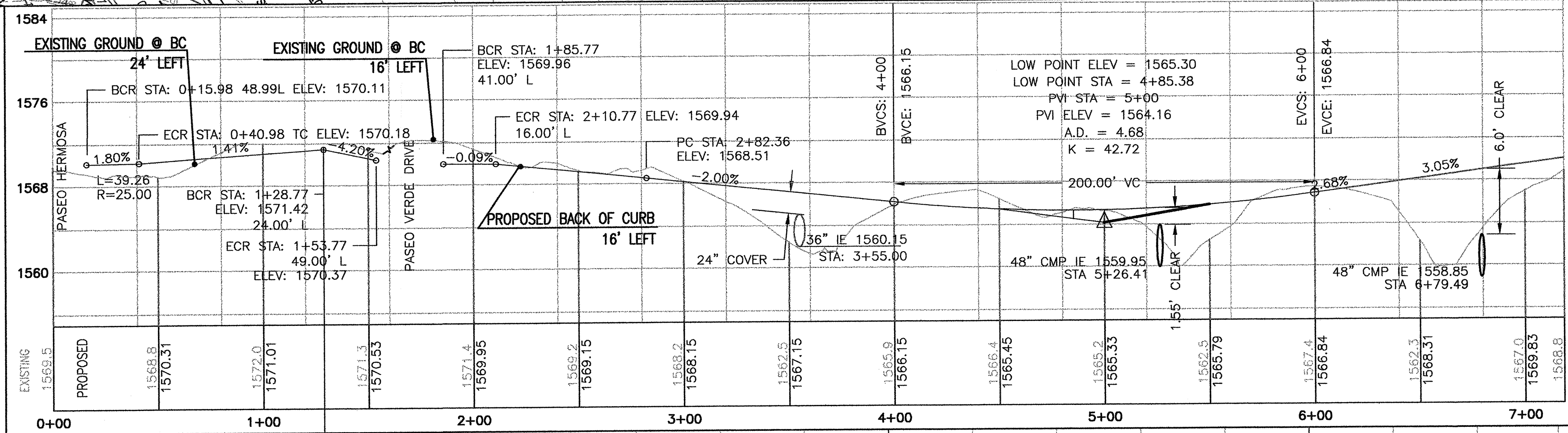
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SHEET NO. 4 OF 7

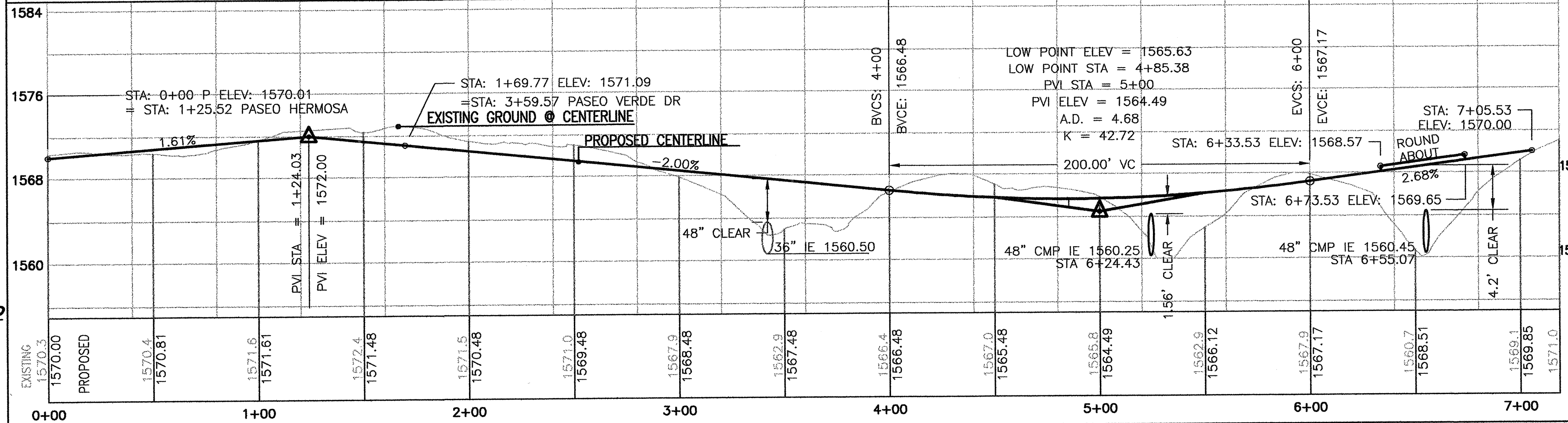
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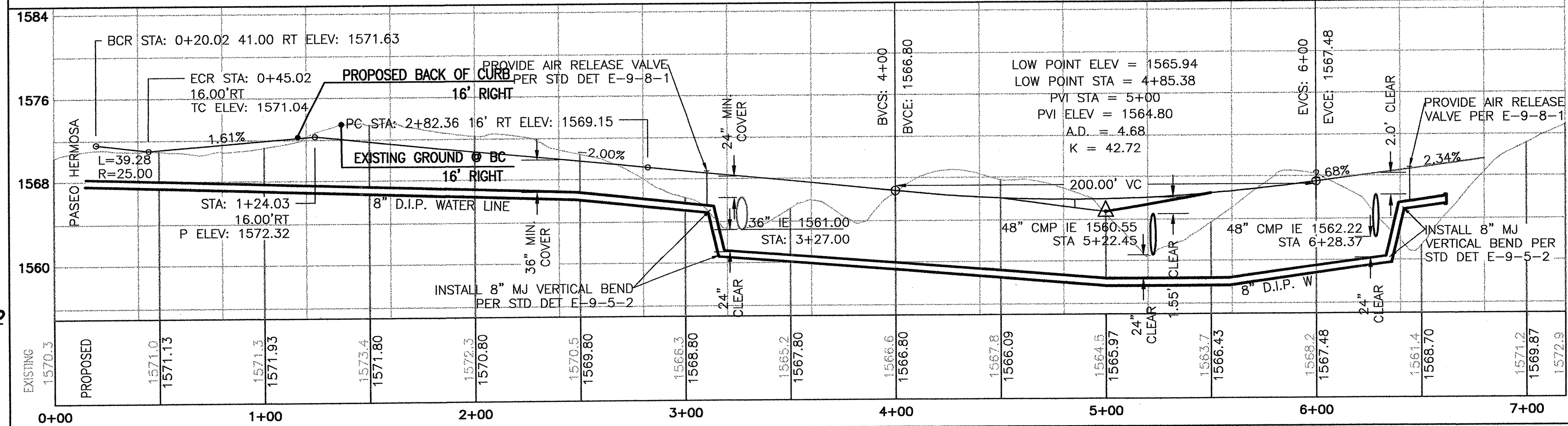
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TC LEFT



EXISTING/PROPOSED
CENTERLINE



EXISTING/PROPOSED
TC RIGHT



LEGEND NOTES:

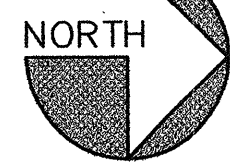
WATER LINE LEGEND NOTES:

- NOTE: ALL DETAILS PER ARIZONA WATER COMPANY
- NOT USED.
 - NOT USED.
 - NOT USED.
 - NOT USED.
 - INSTALL 6"FLX MJ GATE VALVE W/ BOX & COVER PER E-9-2-1, E-9-4-1 & E-9-6-1.
 - INSTALL 6" CL 350 D.I.P. HYDRANT LEAD W/ 8 MIL POLYETHYLENE ENCASUREMENT, 6" MINIMUM ABC BEDDING AND 12" MINIMUM ABC COVER. PROVIDE 36" MINIMUM COVER OVER TOP OF PIPE.
 - INSTALL FIRE HYDRANT COMPLETE PER E-9-6-1.
 - NOT USED.
 - INSTALL 1" WATER SERVICE CONNECTION PER E-9-9-1 W/ NO. 2 METER BOX.
 - INSTALL 8"FLX MJ GATE VALVE W/ BOX & COVER PER E-9-2-1 & E-9-4-1.
 - INSTALL AIR RELEASE VALVE PER E-9-8-2.
 - INSTALL 8" CL 350 D.I.P. W/ 8 MIL POLYETHYLENE ENCASUREMENT, 4" MINIMUM ABC BEDDING AND 12" MINIMUM ABC COVER. PROVIDE 36" MINIMUM COVER OVER TOP OF PIPE.
 - INSTALL 8" MJ GATE VALVE W/ BOX & COVER PER E-9-2-1 & E-9-4-1.
 - INSTALL 8" MJ 6" FL TEE PER E-9-5-1.
 - INSTALL 8" MJ 6" MJ TEE PER E-9-5-1.
 - INSTALL 6" CL 350 D.I.P. WATER LINE W/ 8 MIL POLYETHYLENE ENCASUREMENT, 4" MINIMUM ABC BEDDING AND 12" MINIMUM ABC COVER. PROVIDE 36" MINIMUM COVER OVER TOP OF PIPE.
 - INSTALL 6" MJ GATE VALVE W/ BOX & COVER PER E-9-2-1 & E-9-4-1.
 - NOT USED.
 - INSTALL 8" MJ 45° BEND PER E-9-5-1.
 - NOT USED.
 - NOT USED.
 - NOT USED.
 - NOT USED.
 - NOT USED.
 - REMOVE EXISTING 8" X 8" TEE, CAP AND 28 LF OF EX. 8" DIP. INSTALL NEW 8" X 8" MJ TEE PER E-9-5-1.
 - NOT USED.
 - INSTALL 8" MJ 90° BEND PER E-9-5-1.
 - NOT USED.
 - INSTALL 8" MJ 22.5° BEND PER E-9-5-1.
 - INSTALL 8" MJ X 8" MJ TEE PER E-9-5-1.
 - NOT USED.
 - INSTALL 8" TAPPED CAP W/ 2" BLOWOFF PER E-9-8-1 & E-9-5-1.
 - INSTALL 8" X 36" MJ SPOOL CENTERED IN 48" MANHOLE FOR POSSIBLE FUTURE CHECK VALVE.

PAVING LEGEND NOTES:

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- INSTALL 24" CONCRETE RIBBON CURB PER MAG STD DET 220, TYPE B.
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- NOT USED.
- NOT USED.
- NOT USED.
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- INSTALL SURVEY MONUMENT PER MAG STD DET 120-1, TYPE B AT INTERSECTIONS, PT'S, PC'S AND CENTER OF CUL-DE-SACS.
- SAWCUT 2.00' TO A CLEAN EDGE AND REMOVE EXISTING. APPLY TACK COAT TO EXISTING CLEAN EDGE. MATCH NEW PAVEMENT TO EXISTING.
- REMOVE BARRICADE.
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- REMOVE APPROXIMATELY 80 LF OF EXISTING CONCRETE RIBBON CURB AND APPROXIMATELY 140 SF OF EXISTING ASPHALT PAVEMENT.

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"= 8'



Bruce J. Kolinski, P.E.
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REVISIONS

PINAL COUNTY, ARIZONA

LAS MONTANAS UNIT 5B

DATE

DEC 09

JOB NO.:

2009-15

PROJECT MANAGER

BJK

DRAWN BY

NMK

CHECKED BY

BJK

DRAWING TITLE

PLAN PROFILE

CANYON VERDE CIRCLE

STA 0+00 TO STA 5+33.53

DRAWING NO.

S-050-00

SHEET NO.

5

OF

7

PP.4

1. A COPY OF THE APPROVED GRADING AND DRAINAGE PLAN FOR THE PROJECT, TOGETHER WITH A COPY OF THE NOTICE OF INTENT (NOI) AND THIS STORM WATER MANAGEMENT PLAN (SWMP), SHALL BE MAINTAINED ON THE SITE AND AVAILABLE FOR REVIEW. THOSE ELEMENTS OF THE GRADING AND DRAINAGE PLAN PERTINENT TO OR REFERENCED ON THE SWMP SHALL BE CONSIDERED PART OF THE SWMP.

3. THE FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES IN SUCH A MANNER TO INSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS, AND MUST BE INSTALLED AND IN OPERATION PRIOR TO ANY GRADING OR LAND CLEARING, WHEREVER POSSIBLE, MAINTAIN NATURAL VEGETATION FOR SILT CONTROL.

5. THE OPERATOR SHALL OBTAIN A DUST CONTROL PERMIT FROM PINAL COUNTY AND PERFORM MEASURES AS REQUIRED BY THE PERMIT TO PREVENT EXCESS DUST.

7. THE OPERATOR MUST ENSURE ROUTINE INSPECTIONS ARE PERFORMED AT THE SITE TO ENSURE THAT BMP'S ARE FUNCTIONAL AND THAT THE SWMP IS BEING PROPERLY IMPLEMENTED. INSPECTIONS REPORTS ARE TO BE SUBMITTED TO THE FIELD INSPECTOR FOR REVIEW AND APPROVAL.

9. THE OPERATOR IS REQUIRED TO ROUTINELY INSPECT ONLY ONCE EACH MONTH, AND ANYTIME RAIN IS PREDICTED, AND WITHIN 24 HOURS OF THE END OF EACH STORM EVENT OF 0.5 INCHES OR GREATER.

11. A VISUAL INSPECTION OF ALL DISTURBED AREAS OF THE SITE MUST BE PERFORMED FOR EVIDENCE OF, OR POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. SWMP CONTROL MEASURES MUST BE OPERATING CORRECTLY. ACCESSIBLE DISCHARGE LOCATIONS MUST BE INSPECTED. NEARBY DOWNSTREAM LOCATIONS RELATIVE TO INACCESSIBLE DISCHARGE LOCATIONS SHALL BE INSPECTED TO THE EXTENT THAT IS PRACTICABLE. VEHICLE ENTRANCE AND EXIT LOCATIONS MUST BE INSPECTED FOR OFF-SITE SEDIMENT TRACKING. ALL BMP'S AND AREAS INSPECTED AND THE CONDITIONS FOUND MUST BE DOCUMENTED.

- A. INSPECTION DATE
- B. NAME, TITLE AND QUALIFICATIONS OF INSPECTOR
- C. WEATHER INFORMATION FOR PERIOD SINCE LAST INSPECTION/CONSTRUCTION START DATE
- D. LOCATIONS OF DISCHARGES OF SEDIMENT OR POLLUTANTS FROM THE SITE
- E. LOCATIONS/D'S OF BMPs NEEDING MAINTENANCE, FAILED TO OPERATE OR ARE INADEQUATE
- F. LOCATIONS WHERE ADDITIONAL BMPs MAY BE NEEDED
- G. CORRECTIVE ACTIONS REQUIRED
- H. IDENTIFICATION OF ALL SOURCES OF NON-STORM WATER AND POLLUTION PREVENTION CONTROL MEASURES
- I. IDENTIFICATION OF MATERIAL STORAGE AREAS AND EVIDENCE OF OR POTENTIAL FOR POLLUTANT DISCHARGE FROM SUCH AREAS.
- J. IDENTIFY ANY NON-COMPLIANCE WITH THE CONDITIONS OF THE CCP
- K. IF IN TOTAL COMPLIANCE, PROVIDE A CERTIFICATION THAT THE SITE IS IN COMPLIANCE WITH THE SWMP AND THE CCP
- L. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART VII.K OF THE CCP.

14. THE OPERATOR MUST REVISE THE SWMP TO CORRECT PROBLEMS IDENTIFIED WITHIN 7 CALENDAR DAYS FOLLOWING INSPECTION. IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT ANTICIPATED STORM EVENT, OR AS SOON AS PRACTICABLE.

16. RECORDS OF STABILIZATION MUST BE MAINTAINED AS PART OF THE SWMP. A STABILIZATION RECORD BLOCK ON THIS PLAN MAY BE COMPLETED FOR THIS PURPOSE.

18. THE IMPLEMENTATION OF THESE PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT AND UPGRADING OF THESE FACILITIES IS THE RESPONSIBILITY OF THE PERMITEE/CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED AND "NOT" SUBMITTED TO THE DEVELOPMENT SERVICES DEPT. FILED INSPECTOR.

WEAVER ROAD

UNIT 5A

UNIT 29

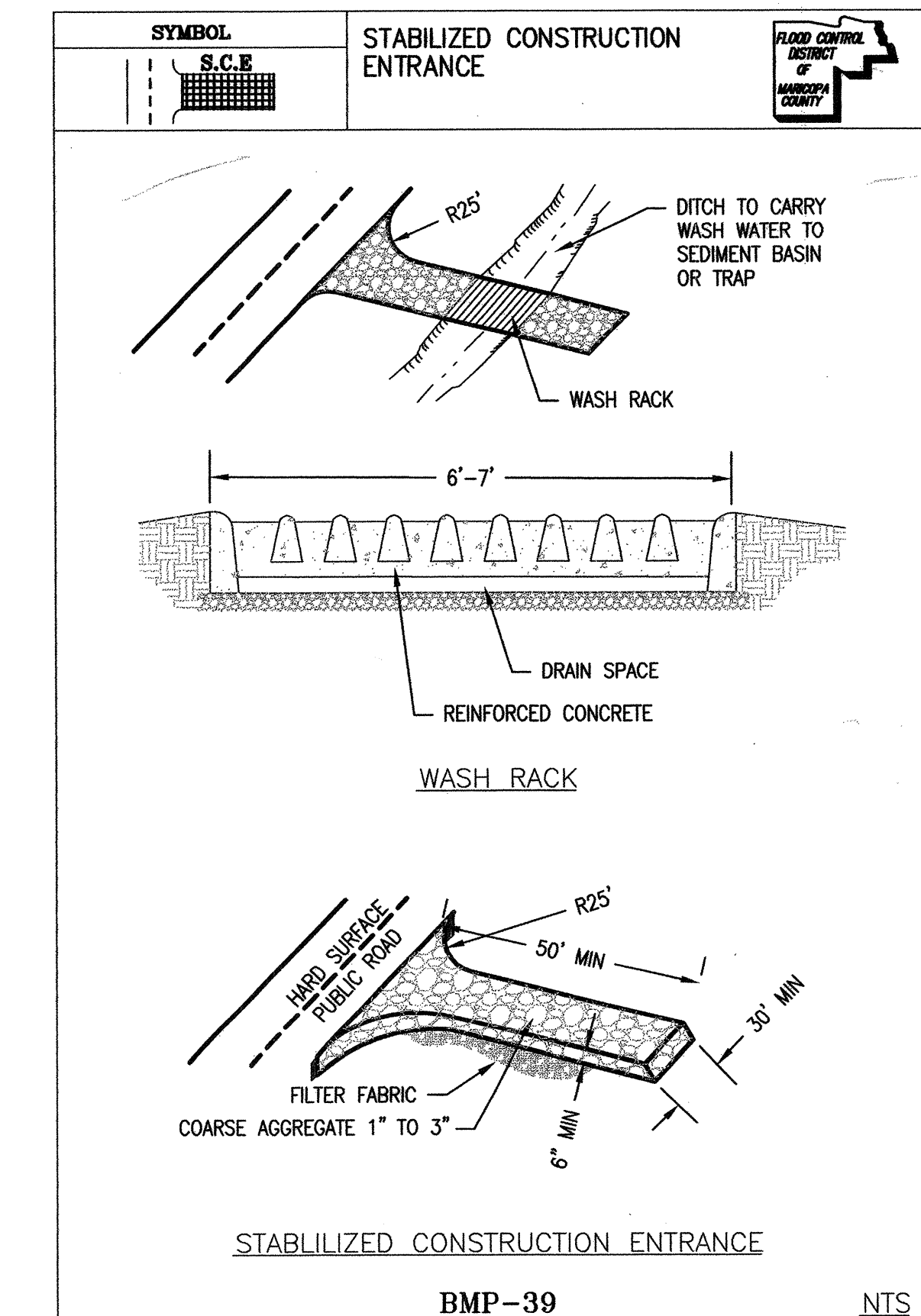
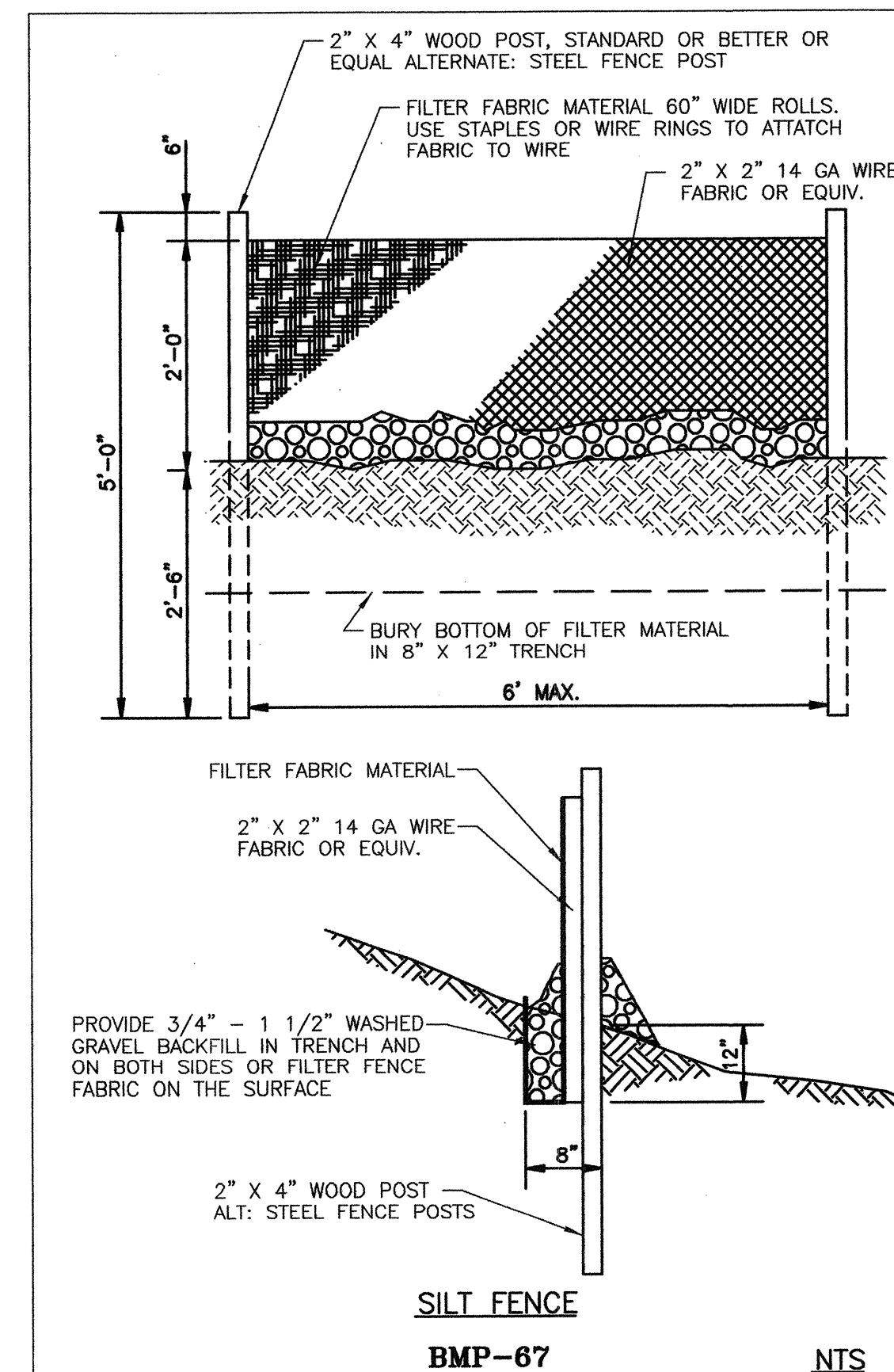
MARTIN ROAD

UNIT 5B

WOODRUFF ROAD

VICINITY MAP

NO SCALE



STABILIZATION RECORD	
ACTIVITY:	DATE:
MAJOR GRADING	—
END CONSTRUCTION—TEMPORARY	—
END CONSTRUCTION—PERMANENT	—
STABILIZATION—INITIATED	—
STABILIZATION—COMPLETE	—
COMMENTS:	

- ① PRIOR TO SITE PAVING, PROVIDE TEMPORARY STABILIZED CONSTRUCTION ENTRANCE PER MARICOPA COUNTY STD DET BMP - 39.
 - ② PROVIDE SILT FENCE PER MARICOPA COUNTY STD DET BMP-67 OR PROVIDE STRAW BALE BARRIER PER MARICOPA COUNTY STD DET BMP-61.
 - ③ MAINTAIN STABILIZED CONSTRUCTION ENTRANCE, SILT FENCE AND STRAW BALE BARRIERS IN GOOD CONDITION THROUGHTOUT CONSTRUCTION.
 - ④ PROVIDE MINIMUM DOUBLE ROW OF STRAW BALES ACROSS WASH.
- ← ARROW INDICATED DIRECTION OF FLOW.

REVISION

PINAL COUNTY, ARIZONA

LAS MONTANAS UNIT 5B

D & H INVESTMENTS AND
SIGNAL PEAK INVESTMENTS LIMITED PARTNERSHIP

DATE DEC 09		DRAWING TITLE STORMWATER POLLUTION PREVENTION PLAN
JOB NO.: 2009-15		
PROJECT MANAGER B.K.		
DRAWN BY NMK		
CHECKED BY B.K.		
DRAWING NO.		
SWPPP		
SHEET NO. 7		OF 7

S-050-00