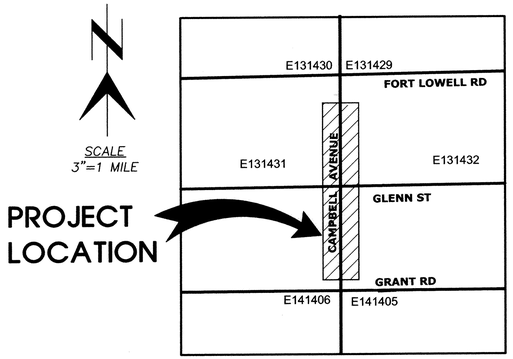
CAMPBELL AVENUE ENHANCEMENT PROJECT

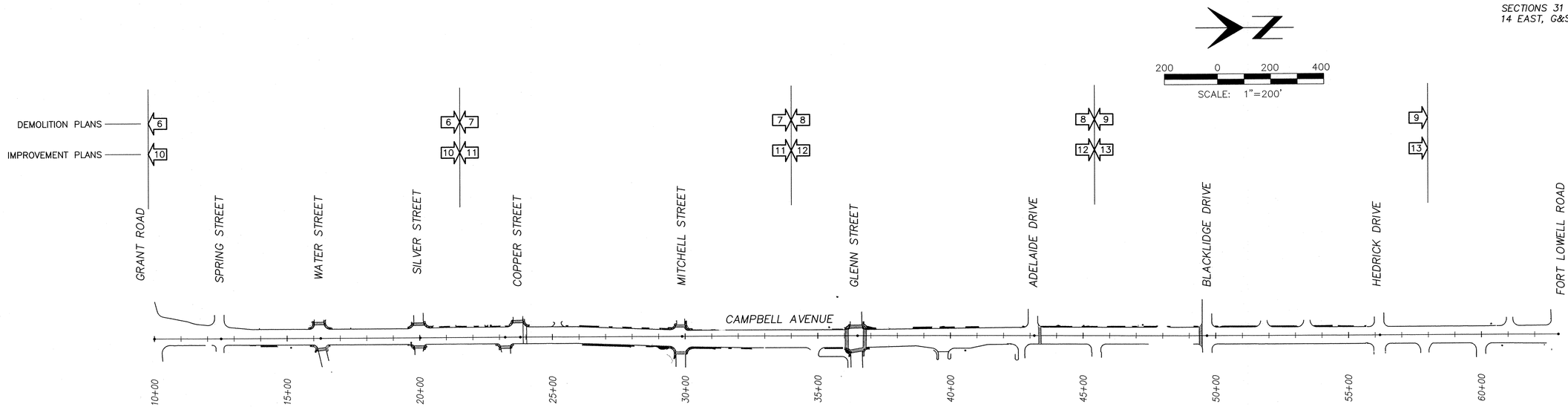
GRANT ROAD TO FORT LOWELL ROAD

STP-TUC-0(205)A 0000 PM SS632 02D
TEA-TUC-0(208)A PM SL632 01C



LOCATION PLAN

SECTIONS 31 & 32, TOWNSHIP 13 SOUTH, RANGE 14 EAST, G&SRM, PIMA COUNTY, ARIZONA.



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FOR ACCEPTANCE CONDITIONS, SEE THE WATER SYSTEM MODIFICATION NOTES, NOTE 3, SHEET W2 OF W13

10/21/2013

CITY OF TUCSON, WATER DEPARTMENT DATE

SS632 03D
0000 PM TUC SS632 03D
STP-TEA-0(205)A

UPC-2013-009

SHEET W1 OF W13

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

CAMPBELL AVENUE ENHANCEMENTS
GRANT ROAD TO FORT LOWELL ROAD

eec
civil engineering • land development
surveying • environmental services
staking • flood control and drainage
landscape architecture • transportation
Engineering and Environmental Consultants, Inc.
4625 E. FT. LOWELL RD. SUITE 200 www.eec-info.com
TUCSON, ARIZONA 85712 520-321-4625

CITY OF TUCSON

Registered Professional Engineer (Civil) Certificate No. 37865 SHERRY A. MARTIN Date Signed 10-21-13 ARIZONA, U.S.A.
Expires 09/30/14

NO.	DATE	REVISION	BY	CHKD.	APPR.

Approvals	Signatory	Date
ENGINEERING ADMINISTRATOR		
TRAFFIC PLANNING & DESIGN ADMINISTRATOR		
LANDSCAPE ARCHITECT		

DRWN. BY GG 20 13 DSGN. BY DE 20 13 CHKD. BY SM 20 13

Approved _____ 20 ___
TRANSPORTATION DIRECTOR

1 OF 17

REF. _____ SCALE: AS NOTED
PLAN NO. U-2008-011

Call at least two full working days before you begin excavation.
ARIZONA 811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

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General Notes

1. ALL MATERIALS AND WORKMANSHIP SHALL BE IN CONFORMANCE WITH CITY OF TUCSON/PIMA COUNTY STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC IMPROVEMENTS, 2003 EDITION.
2. TWO FULL WORKING DAYS BEFORE BEGINNING ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT ARIZONA BLUE STAKE, 1-800-782-5348, TO REQUEST MARKING OF UNDERGROUND FACILITIES. UNDERGROUND FACILITIES SHALL BE EXPOSED AND LOCATED IN ACCORDANCE WITH A.R.S. 40 360.21 THRU 360.29.
3. THE CONTRACTOR SHALL COMPLY WITH APPLICABLE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS.
4. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TRAFFIC CONTROL IN CONFORMANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", 2003 EDITION.
5. THE CONTRACTOR SHALL ACQUIRE ALL PERMITS REQUIRED BY GOVERNMENTAL AGENCIES.
6. THE CONTRACTOR SHALL MAINTAIN PROPER ROAD CONSTRUCTION, WARNING SIGNS, AND BARRICADING DURING CONSTRUCTION AND UNTIL PERMANENT SIGNING IS INSTALLED.
7. THE CONTRACTOR SHALL EXERCISE EXTREME CARE TO MINIMIZE DAMAGE TO NATURAL GROWTH WITHIN PRIVATE PROPERTY. ALL WORK SHALL BE WITHIN EASEMENTS, ROADWAYS, AND ALLEYS.
8. REMOVAL OF CACTI AND OTHER NATIVE PLANTS SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE "ARIZONA NATIVE PLANT LAW", ARS TITLE 3, CHAPTER 7, JANUARY, 1991.
9. IN ALL CASES, WHEN MATCHING EXISTING PAVEMENT, THE CONTRACTOR MUST SAWCUT AND TACK THE EXISTING PAVEMENT PRIOR TO JOINING THE NEW ASPHALT PAVEMENT.
10. ALL WATER METERS, GAS VALVES, AND OTHER SIMILAR APPURTENANCES LOCATED IN THE SIDEWALK AREA WILL BE ADJUSTED TO THE NEW SIDEWALK GRADE TO ELIMINATE HAZARDS TO PEDESTRIANS.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL NEW AND EXISTING WATER VALVE BOXES TO THE FINISHED GRADE PER W-300 OF PIMA COUNTY/CITY OF TUCSON 2003 EDITION STANDARDS AND DETAILS.
12. SOUTHWEST GAS HAS A 12-INCH STEEL DISTRIBUTION MAIN ALONG GLENN STREET. SWG REQUIRES A STAND-BY WHEN THE CONTRACTOR IS WORKING WITHIN TEN FEET OF THIS MAIN. THE CONTRACTOR MUST CALL (520) 794-6021 TO SCHEDULE THE STAND-BY A MINIMUM OF 24 HOURS IN ADVANCE.

Overhead Power Lines

1. THE CONTRACTOR SHALL CONTACT BLUE STAKE FOR THE LOCATION OF EXISTING ELECTRICAL FACILITIES AND WILL COMPLY WITH ARIZONA BLUE STAKE LAW REGARDING SAFE APPROACH DISTANCES AND THE PROTECTION OF ELECTRICAL FACILITIES. THE CONTRACTOR SHALL CONTACT TEP DIRECTLY AT 520-917-2617 A MINIMUM OF 10 WORKING DAYS IN ADVANCE TO REQUEST OVERHEAD OR EXCAVATION PROTECTION. OVERHEAD EXCAVATION OR PROTECTION IS BILLABLE TO THE CONTRACTOR. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT TEP FACILITIES. IF DAMAGE OCCURS, THE TOTAL COST TO REPAIR THOSE FACILITIES WILL BE BILLABLE TO THE CONTRACTOR. FOR MORE INFORMATION, PLEASE VISIT THE TEP WEBSITE AT HTTPS://WWW.TEP.COM/RESOURCES/SAFETY/OVERHEAD/. THE CONTRACTOR SHALL MAINTAIN DRIVABLE ACCESS TO ALL TEP POLES, EQUIPMENT AND FACILITIES.

Sanitary Sewer Notes

1. HOUSE OR BUSINESS CONNECTION SEWERS (HCS OR BCS) ARE NOT PART OF THE PUBLIC SANITARY SEWER CONVEYANCE SYSTEM. PRIVATE CONNECTION SEWERS CONSTRUCTED PRIOR TO JANUARY 2006 ARE NOT REQUIRED TO BE BLUE STAKED. ANY HCS/BCS ENCOUNTERED DURING CONSTRUCTION SHALL BE PROTECTED, REPAIRED, OR REROUTED, AS THE SITUATION DICTATES PER PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DEPARTMENT (PCRWRD) STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION 2012 MANUAL, DETAIL RWRD 400 AND AT NO EXPENSE TO THE PROPERTY OWNER OR THE PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DEPARTMENT.
2. IMMEDIATELY REPORT ANY RELEASE OF SEWAGE, AND/OR ANY DAMAGE TO, OR THE DROPPING OF DEBRIS INTO, THE PUBLIC SANITARY SEWAGE CONVEYANCE SYSTEM TO EITHER PCRWRD FIELD ENGINEERING (520-740-2651) OR PCRWRD CONVEYANCE DIVISION (520-443-6500). ON WEEKENDS, HOLIDAYS, OR BETWEEN 5:00 PM AND 7:00 AM, IMMEDIATELY CALL PCRWRD CENTRAL CONTROL ROOM (CCR) AT 520-443-6048 AND REQUEST A PCRWRD REPRESENTATIVE TO BE DISPATCHED TO THE SITE. TAKE IMMEDIATE ACTION TO CONTAIN THE SANITARY SEWAGE OVERFLOW (SSO) FROM THE SEWER SYSTEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS TO REPAIR THE SYSTEM, FOR ALL EXPENSES TO MITIGATE THE RELEASE AND TO DISINFECT THE RELEASE AREAS,AND FOR ANY REGULATORY PENALTIES LEVIED ON PCRWRD BECAUSE THE SSO ENTERED A NATURAL DRAINAGEWAY OR STORM WATER DRAINAGE SYSTEM. THE CONTRACTOR SHALL REPAIR ALL DAMAGE AS DIRECTED AND APPROVED BY PCRWRD.
3. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL SANITARY SEWER MANHOLE STRUCTURES AT ALL TIMES.
4. ALL LANDSCAPING LOCATED WITHIN TEN (10) FEET HORIZONTALLY OF THE PUBLIC SANITARY SEWER AND MANHOLES AND/OR WITHIN THE PUBLIC SEWER EASEMENTS SHOWN HEREON SHALL BE IN ACCORDANCE WITH THE PLANTING GUIDELINES CONTAINED WITHIN PCRWRD ENGINEERING DESIGN STANDARDS 2012 MANUAL, SECTION 7.7.

Signing Notes

1. ALL PERFORATED POSTS SHALL BE INSTALLED IN A CONCRETE FOUNDATION, UNLESS OTHERWISE DIRECTED BY THE JURISDICTION TRAFFIC ENGINEER.
2. ALL SIGN STATION LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ACTUAL SIGN LOCATIONS WITH THE TRAFFIC ENGINEER PRIOR TO THE INSTALLATION OF ALL SIGNS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL WORK WITH BLUE STAKE AND FOR INSTALLING ALL TRAFFIC SIGNS IN THE FIELD.

Basis of Bearings

THE BASIS OF BEARINGS FOR THIS PROJECT IS A CALCULATED BEARING OF N 26°24'29.10" E BETWEEN PCDOT/COTDOT GEODETIC CONTROL POINT (E)C03 (EEC 53) AND PCDOT/COTDOT GEODETIC CONTROL POINT (B)X05 (EEC 17).

Basis of Elevations

COT BENCH MARK 106J PER COT FIELD BOOK 1989-J-1, PAGE 11 (LT), SAID ELEVATION BEING 2395.695 NAVD 88 DATUM.

MATERIAL QUANTITIES SUMMARY

ITEM NUMBER	ITEM DESCRIPTION	UNIT	SHEET W8		SHEET W9		SHEET W10		TOTALS	
			EST.	AS BUILT	EST.	AS BUILT	EST.	AS BUILT	EST.	AS BUILT
5101603	PIPE, COPPER, ¾" W/FITTINGS	LF	15						15	
5103101	ADJUST EXISTING VALVE BOX AND COVER	EA	2		4		1		7	
5108123	METER RELOCATION, SERVICE LINE ADJUSTMENT, (M/A) ¾"	EA	3						3	
5108193	METER BOX ADJUSTMENT, ¾" (M/B)	EA	2						2	

Water Notes

1. PROTECT-IN-PLACE ALL EXISTING WATER FEATURES AND APPURTENANCES. CONTRACTOR SHALL USE APPROPRIATE CAUTION WHEN WORKING IN THE VICINITY OF EXISTING WATER FACILITIES.
2. MINIMUM HORIZONTAL SEPARATION IS FIVE (5) FEET (FROM OUTSIDE WATER LINE TO OUTSIDE OF STRUCTURE) THE MINIMUM VERTICAL SEPARATION IS ONE (1) FOOT (FROM OUTSIDE WATER LINE TO OUTSIDE CONDUIT).
3. ACCEPTANCE CONDITIONS:
   A. THIS PROJECT IS ACCEPTED BY THE CITY OF TUCSON WATER DEPARTMENT FOR SUBSTANTIAL CONCURRENCE WITH STANDARD SPECIFICATIONS AND DETAILS.
   B. ACCEPTANCE OF THESE PLANS IS VALID FOR 2 YEARS AFTER THE DATE OF THE SIGNATURE.
   C. THE WARRANTY AND GUARANTEE DURATION FOR ALL WATER WORK ON THIS PROJECT SHALL BE TWO (2) YEARS COMMENCING ON THE DATE OF FINAL ACCEPTANCE OF THE AGENCY ROADWAY IMPROVEMENT PROJECT.
4. CURRENT STANDARDS:
   ALL WATER SYSTEM MODIFICATION CONSTRUCTION WORK SHALL CONFORM TO THE FOLLOWING STANDARDS AND SPECIAL PROVISIONS:
   A. THE PIMA COUNTY / CITY OF TUCSON STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS, 2003 EDITION.
   B. THE WATER SYSTEM MODIFICATIONS SPECIAL PROVISIONS FOR THIS PROJECT.
5. WATER METERS AND METER BOXES:
   THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WATER METERS AND METER BOXES IN THE CONSTRUCTION AREA. THIS WILL INCLUDE BUT NOT BE LIMITED TO:
   A. REMOVAL OF EXISTING METERS, REPLACEMENT COORDINATION AND INSTALLATION OF THE NEW AUTOMATIC METER READING (AMR) WATER METERS.
   B. DURING THIS OPERATION, EXISTING METERS SHALL BE TAGGED WITH THE CORRECT ADDRESS AND RETURNED TO TUCSON WATER. ALL EXISTING WATER METERS THAT ARE TO BE RELOCATED AS PART OF THIS PROJECT THAT ARE NOT ALREADY AUTOMATED, ARE TO BE REPLACED WITH AMR TYPE METERS AT LOCATIONS/ADDRESSES SPECIFIED ON THE PLANS.
   C. PROTECTION OF METERS. AT ALL TIMES THE CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID ANY DAMAGE TO METERS. THE CONTRACTOR SHALL PROVIDE FOR THEIR SAFE STORAGE AND THE PROPER EQUIPMENT FOR THEIR HANDLING.
   D. ACCESS TO METERS. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL IN-SERVICE METERS DURING CONSTRUCTION. AT THE CLOSE OF THE PROJECT THE CONTRACTOR SHALL ENSURE THAT ALL METERS ARE LEFT ACCESSIBLE AND THAT ALL METER BOXES ARE ADJUSTED TO FINAL GRADE.
   E. TUCSON WATER SHALL SUPPLY ALL NEW AMR WATER METERS TO BE INSTALLED AS PART OF THIS PROJECT.
6. MAINTAIN SERVICE TO CUSTOMERS:
   THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SERVICE TO ALL WATER CUSTOMERS DURING CONSTRUCTION.
   IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE WHICH SERVICES WILL BE AFFECTED BY THIS PROJECT. IF INTERRUPTION OF SERVICE IS UNAVOIDABLE THE CONTRACTOR SHALL NOTIFY THE WATER INSPECTOR A MINIMUM OF 48 HOURS IN ADVANCE TO COORDINATE SHUT-DOWNS. EVERY EFFORT SHALL BE MADE TO MINIMIZE DISRUPTION TO THE CUSTOMER.
7. VALVE BOXES:
   THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL NEW AND EXISTING WATER VALVE BOXES TO THE FINISHED GRADE PER W-300.

LEGEND

Existing | New

- ROW
- TEMPORARY CONSTRUCTION EASEMENT
- EDGE OF SIDEWALK OR PAVEMENT
- 8" W — WATER MAIN
- G — GAS MAIN
- ELECTRIC
- 6" S — SEWER
- CURB
- CONCRETE PAVERS
- CONCRETE SIDEWALKS
- HIGH VISIBILITY CROSSWALK
- COLORED & IMPRINTED AC MIX #2
- DECOMPOSED GRANITE – COLOR BROWN
- NEW ASPHALT MIX #2
- REMOVALS/DEMOLITION
- MILL EXIST AC
- BRICK PAVERS
- B — BUS STOP SIGN
- P.P. — POWER POLE
- TRAFFIC LIGHT POLE
- FIRE HYDRANT
- LIGHTPOLE
- E — ELECTRIC PULLBOX
- P — POWER PEDESTAL
- T — PHONE PEDESTAL
- T — TELECOM PULLBOX
- WATER METER
- BOLLARD OR POST
- WATER VALVE
- STORM MANHOLE
- WATER RISER
- TRAFFIC SIGNAL BOX
- ELECTRICAL POWER BOX
- WATER SPIGOT
- ICV — IRRIGATION CONTROL VALVE
- FLOODLIGHT
- CO — SEWER CLEANOUT
- SANITARY SEWER MANHOLE
- SIGN
- GUY WIRE
- SURVEY CALC POINT
- SM — SURVEY MONUMENT
- VEGETATION
- D/3 — DETAIL/SHEET REFERENCE INDICATOR

SS632 03D
0000 PM TUC SS632 03D
STP-TEA-0X205IA

EEC Job No. 12015.03

SHEET W2 OF W13

eec
civil engineering • land development
surveying • environmental services
staking • flood control and drainage
landscape architecture • transportation
Engineering and Environmental Consultants, Inc.
4625 E. FT. LOWELL RD. SUITE 200 www.eec-info.com
TUCSON, ARIZONA 85712 520-321-4625

NO.	DATE	REVISION	BY	CHKD.	APPR.

Registered Professional Engineer (Civil) CERTIFICATE NO. 37865 SHERRY A. MARTIN Date Signed 10-17-13 ARIZONA, U.S.A.
Expires 09/30/14

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
CAMPBELL AVENUE ENHANCEMENTS
GRANT ROAD TO FORT LOWELL ROAD

2 OF 17

CITY OF TUCSON

DRWN. BY	GG	10/13	REF.	SCALE: AS NOTED
DSGN. BY	DE	10/13		
CHKD. BY	SM	10/13	PLAN NO.	U-2008-011

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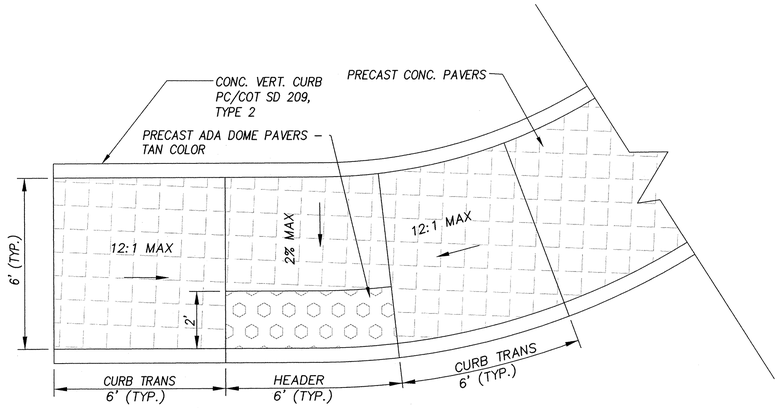
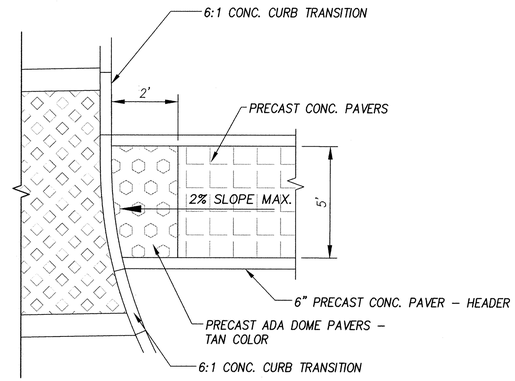


A ACCESS RAMP

PCDOT SD 207 (MODIFIED) NTS

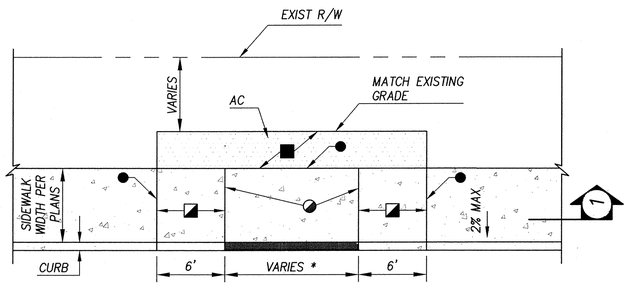
NOTE: ALL PRECAST CONCRETE PAVERS SHALL BE PHOENIX PAVERS COLOR: TIERRA NORTE BLEND OR APPROVED EQUAL.



B ACCESS RAMP

NTS

Benchmarks		
BM NO.	ELEVATION	DESCRIPTION
98J	2421.23	'X' E. /SIDE OF CONC. ST. LIGHT POLE BASE, JUST S. OF S/W COR. OF CAMPBELL AVE. AND SPRING ST.
99J	2415.89	'X' N.E. COR. CONC. STREET LIGHT POLE BASE, JUST SOUTH OF WATER ST., WEST SIDE OF CAMPBELL, FB #1791 PG. 63 BM#"B"
100J	2413.285	'X' TOP OF CONC. BASE OF LUCKY WISHBONE SIGN, JUST EAST OF 1' DIAMETER SIGN POLE S.W. COR. OF SILVER AND CAMPBELL
101J	2408.689	'X' EAST SIDE OF 1ST LIGHT POLE BASE N. OF SILVER, WEST SIDE OF CAMPBELL
102J	2404.301	'X' S.W. COR. OF 2ND LIGHT POLE BASE, SOUTH OF MITCHELL, W. SIDE CAMPBELL, NEAR S. P/L #2643 N. CAMPBELL
103J	2404.686	'X' ON CONC. SIDEWALK BORDERING ACE HARDWARE AT S.W. COR MITCHELL AND CAMPBELL, JUST EAST OF N.E. COR OF BLDG
104J	2399.653	'X' S.W. COR OF 1ST C.B., S. OF GLENN, W. SIDE CAMPBELL
105J	2397.878	'X' N.W. COR. CONC. BUS STOP SLAB @ N.E. COR. CAMPBELL AND GLENN
106J	2395.695	'X' WEST SIDE CONC. LIGHT POLE BASE IN CAMPBELL PLAZA PARKING LOT 115' EAST OF EAST CAMPBELL GUTTER @ 2ND ENTRANCE TO CAMPBELL PLAZA, NORTH OF GLENN, 75'± SOUTH OF C/L ADELAIDE
107J	2392.537	TOP OF SOUTH END OF ANGLE IRON OF C.B., IN PARKING LOT, 25'± EAST OF EAST CAMPBELL AVE. GUTTER, 70'± NORTH OF C/L OF ADELAIDE
108J	2388.038	TOP SOUTH END OF ANGLE IRON, 1ST C.B. SOUTH OF BLACKLIDGE, EAST SIDE OF CAMPBELL
109J	2387.024	'X' S.W. COR. CONC. LIGHT POLE BASE, 27'± NORTH OF C/L OF SOUTH ENTRANCE #3026 N. CAMPBELL, EAST SIDE CAMPBELL, 210'± NORTH OF C/L BLACKLIDGE



* REFER TO PLANS

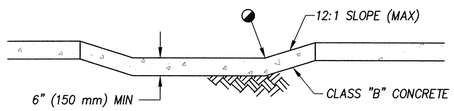
■ WARP TO MATCH. SLOPE VARIES

◪ 12:1 MAX SLOPE TO MATCH DRIVEWAY APRON IF REQUIRED. ADD TACTILE GROOVES PER STD DET 207 WHEN SLOPED

◐ 1/4" (6 mm) DEEP SCORED JOINTS EVENLY SPACED (8' (2 m) MAX SPACING)

● 1/2" (13 mm) BITUMINOUS JOINT FILLER

PLAN

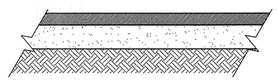


1 SECTION

COMPACT SUBGRADE TO A DEPTH OF 6"

C DRIVEWAY APRON - PC/COT STD DTL 206 - MODIFIED

NTS



3" AC (MIX NO. 2)
8" ABC
COMPACT TO 95% MAX. DENSITY

D TYPICAL PAVEMENT REPLACEMENT SECTION

NTS

BENCHMARKS & CIVIL DETAILS

SS632 03D
0000 PM TUC SS632 03D
STP-TEA-0(205)A

EEC Job No. 12015.03

civil engineering • land development
surveying • environmental services
staking • flood control and drainage
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Engineering and Environmental Consultants, Inc.
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TUCSON, ARIZONA 85712 520-321-4625

NO.	DATE	REVISION	BY	CHKD.	APPR.

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Expires 09/30/14

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
CAMPBELL AVENUE ENHANCEMENTS
GRANT ROAD TO FORT LOWELL ROAD

CITY OF TUCSON

DRWN. BY	GG	10/13
DSGN. BY	DE	10/13
CHKD. BY	SM	10/13

REF. SCALE: AS NOTED

PLAN NO. U-2008-011

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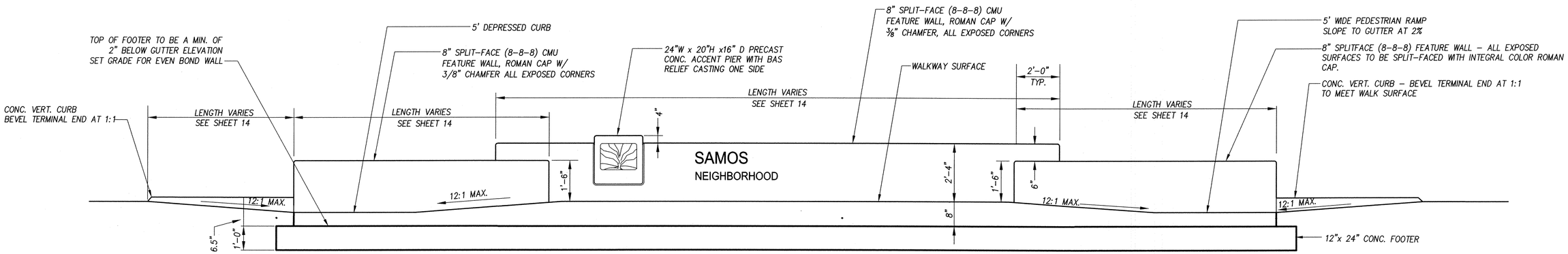
3 – NEIGHBORHOOD IDENTIFICATION CORNERS TO HAVE INDIVIDUAL LETTERS MOUNTED ON A MIN. OF 3 EXPOXY SET ANCHORS PER LETTER W/ 1/2" STAND-OFFS. "NEIGHBORHOOD" LETTERING MAY BE GANG MOUNTED WITH CONNECTION MATERIAL PAINTED TO MATCH WALL. SUBMIT TO ENGINEER FOR APPROVAL

HEDRICK ACRES
NEIGHBORHOOD

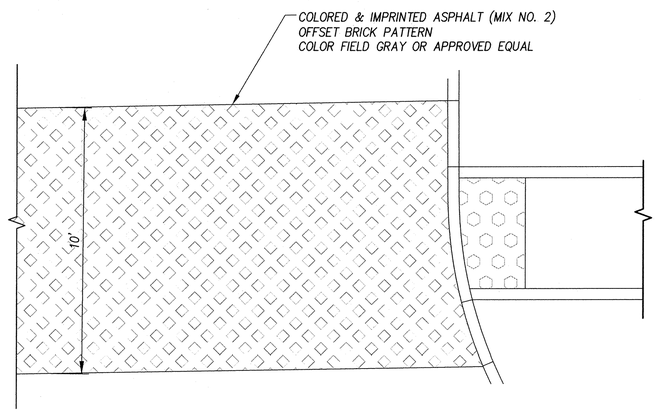
SAMOS
NEIGHBORHOOD

CAMPBELL - GRANT
NEIGHBORHOOD



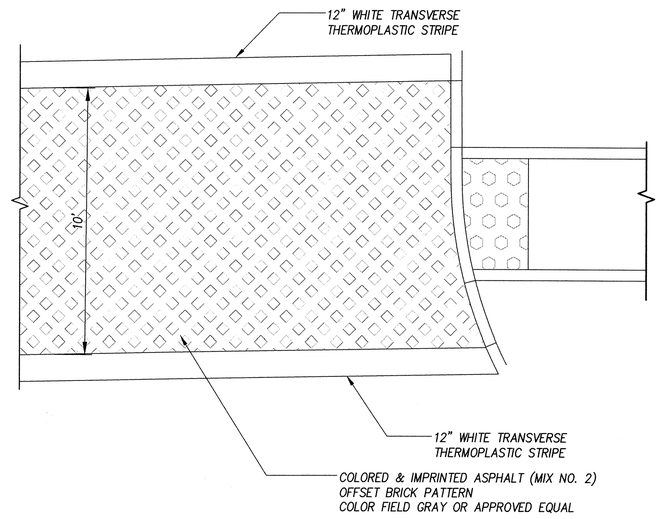
E GLENN STREET FEATURE WALLS

NTS



F SIDE STREET CROSSINGS

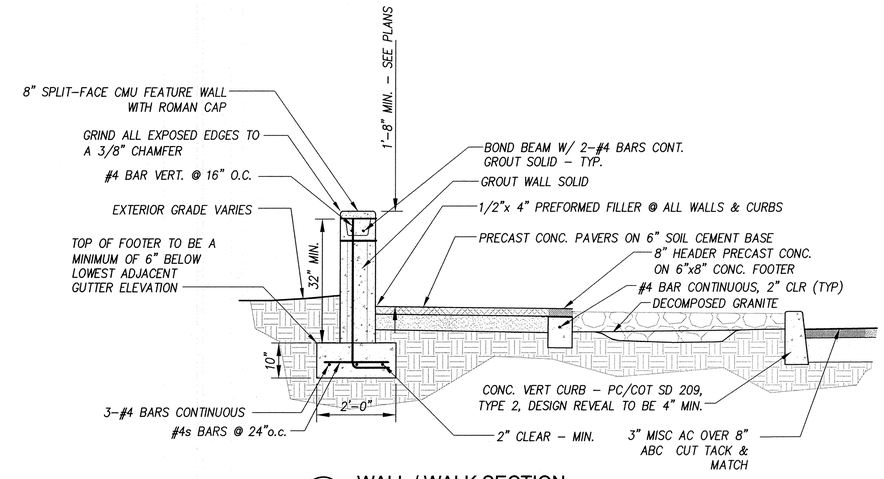
NTS



G CROSSWALKS

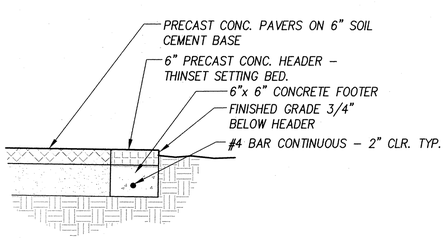
NTS

CAMPBELL & GLENN INTERSECTION
HAWK CROSSING AT COPPER
HAWK CROSSING AT BLACKLIDGE



J WALL / WALK SECTION

NTS



H PRECAST HEADER DETAIL

NTS

PEDESTRIAN DETAILS

SS632 03D
0000 PM TUC SS632 03D
STP-TEA-0(205)A

EEC Job No. 12015.03

civil engineering • land development
surveying • environmental services
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DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
CAMPBELL AVENUE ENHANCEMENTS
GRANT ROAD TO FORT LOWELL ROAD

CITY OF TUCSON

DRWN. BY	GG	10/13	REF.	SCALE: AS NOTED
DSGN. BY	DE	10/13		
CHKD. BY	SM	10/13	PLAN NO.	U-2008-011

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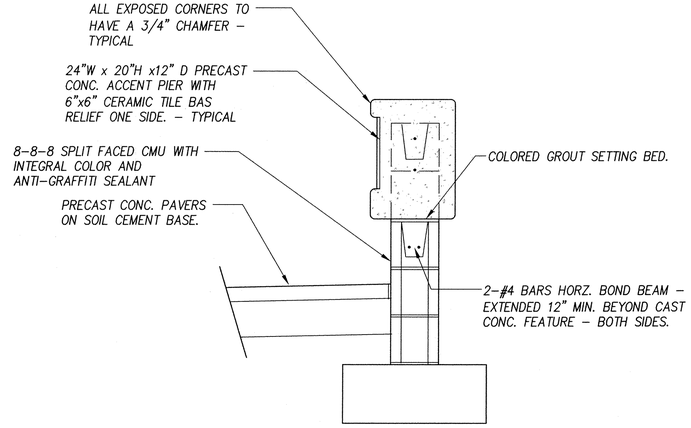
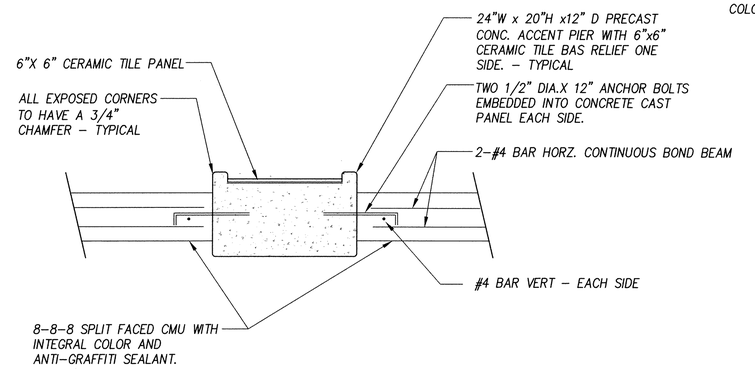


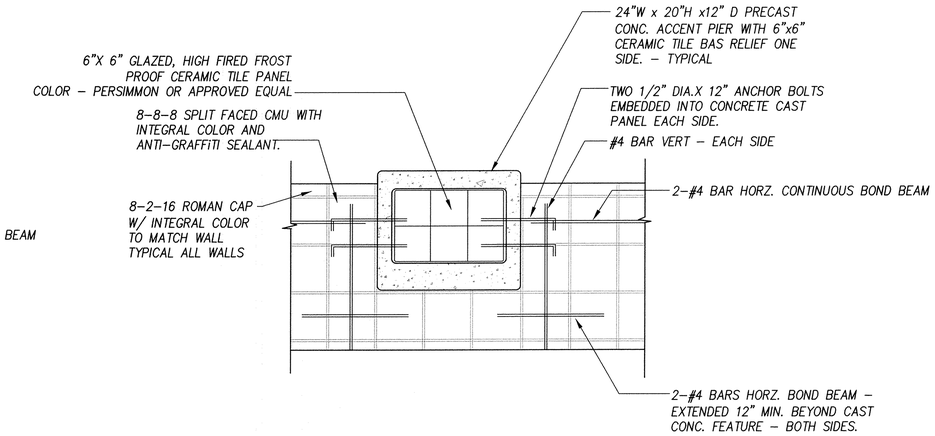
K FEATURE ELEMENT & WALL - CMU SECTION

NTS



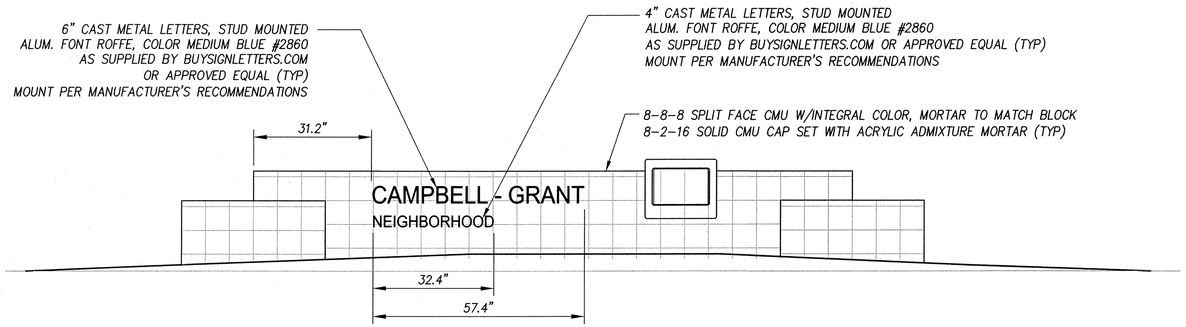
L FEATURE ELEMENT PLAN

NTS

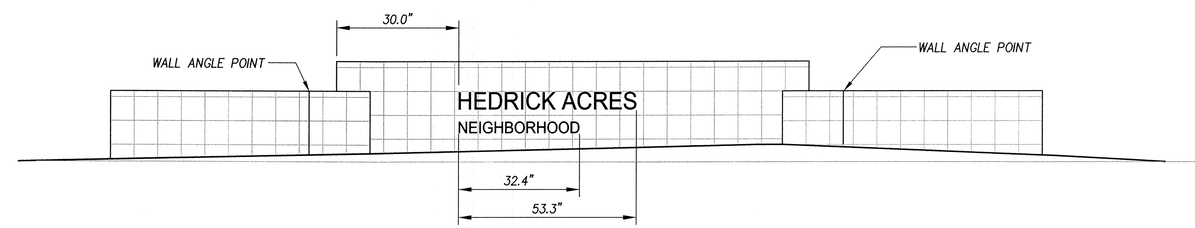


M FEATURE ELEMENT ELEVATION

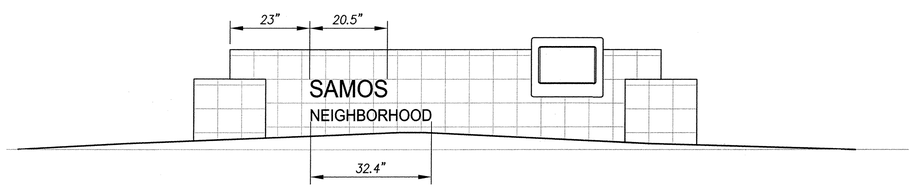
NTS



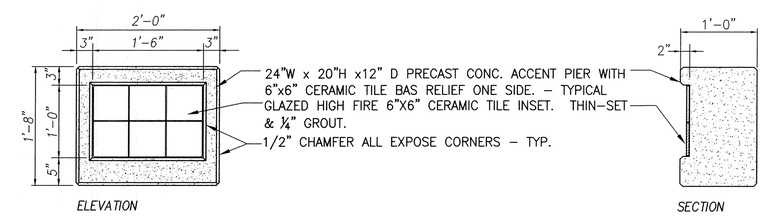
N GLENN FEATURE WALL AND NEIGHBORHOOD SIGNAGE (SOUTHEAST CORNER)



P GLENN FEATURE WALL AND NEIGHBORHOOD SIGNAGE (NORTHWEST CORNER)



Q GLENN FEATURE WALL AND NEIGHBORHOOD SIGNAGE (SOUTHWEST CORNER)



R WALL FEATURE ELEMENT

FEATURE WALL DETAILS

SS632 03D
0000 PM TUC SS632 03D
STP-TEA-0(205)A

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NO.	DATE	REVISION	BY	CHKD.	APPR.

Registered Professional Engineer (Civil) Certificate No. 37865 SHERRY A. MARTIN Date Signed 10-30-13 ARIZONA, U.S.A.
Expires 09/30/14

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
CAMPBELL AVENUE ENHANCEMENTS
GRANT ROAD TO FORT LOWELL ROAD

5 OF 17

CITY OF TUCSON

DRWN. BY	GG	10/13
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CHKD. BY	SM	10/13

REF. _____ SCALE: AS NOTED

PLAN NO. U-2008-011

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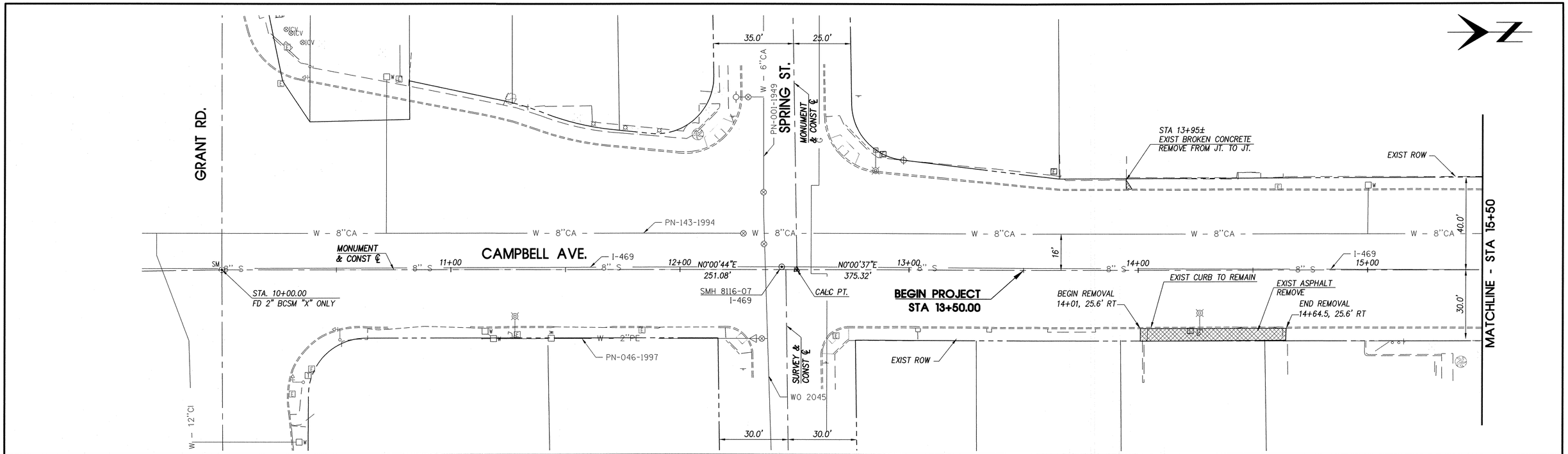

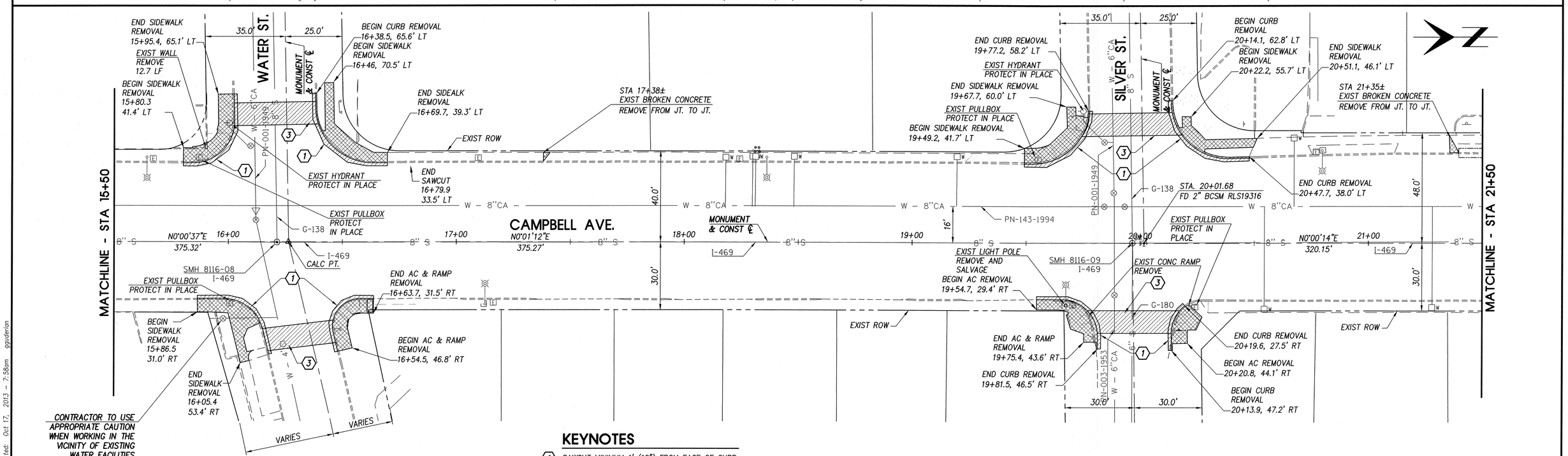

DEMOLITION PLAN

SCALE 1" = 20'-0"

0' 5' 10' 20' 40' 80'

KEYNOTES

1. SAWCUT MINIMUM 1' (12") FROM FACE OF CURB
2. SEE INTERSECTION DETAIL SHEETS FOR REMOVAL FOOTPRINT CURVE DATA AND FOR TREATMENT OF EXISTING FIRE HYDRANTS IN PROPOSED CONSTRUCTION AREAS.
3. MILL 2"

REFER TO THE CORRESPONDING IMPROVEMENT PLAN SHEET FOR SERVICE WORK ON EXISTING WATER METERS AND METER BOXES.

SS632 03D
0000 PM TUC SS632 03D
STP-TEA-0(205)A

EEC Job No. 12015.03

SHEET W3 OF W13

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DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

CAMPBELL AVENUE ENHANCEMENTS
GRANT ROAD TO FORT LOWELL ROAD

CITY OF TUCSON

DRWN. BY	GG	10/13	REF.	SCALE: AS NOTED
DSGN. BY	DE	10/13		
CHKD. BY	SM	10/13	PLAN NO.	U-2008-011

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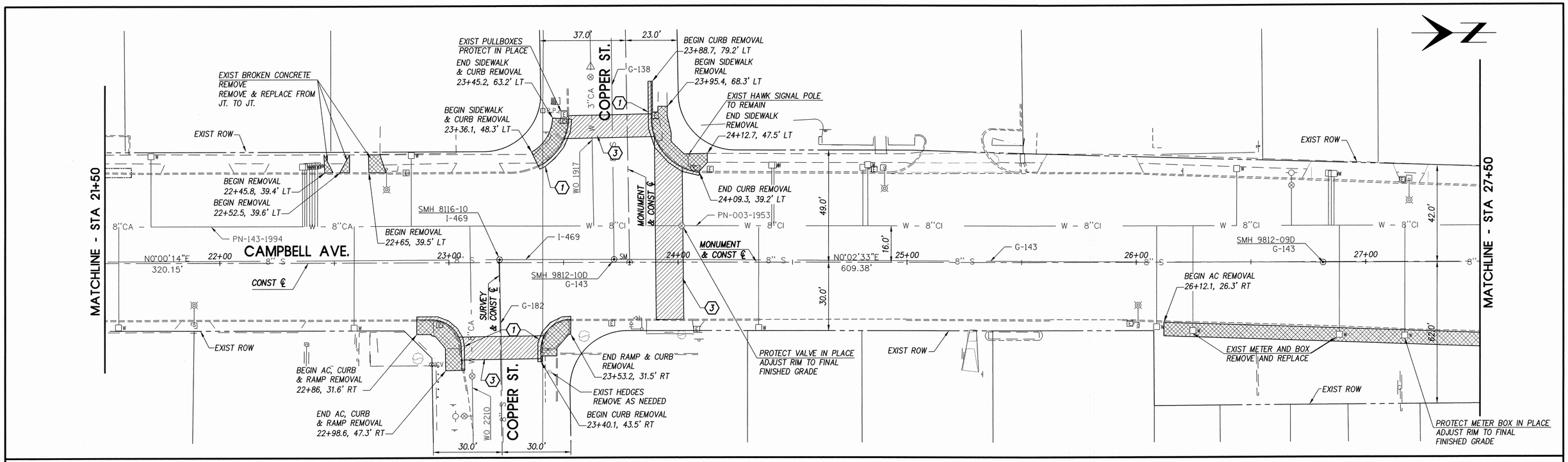

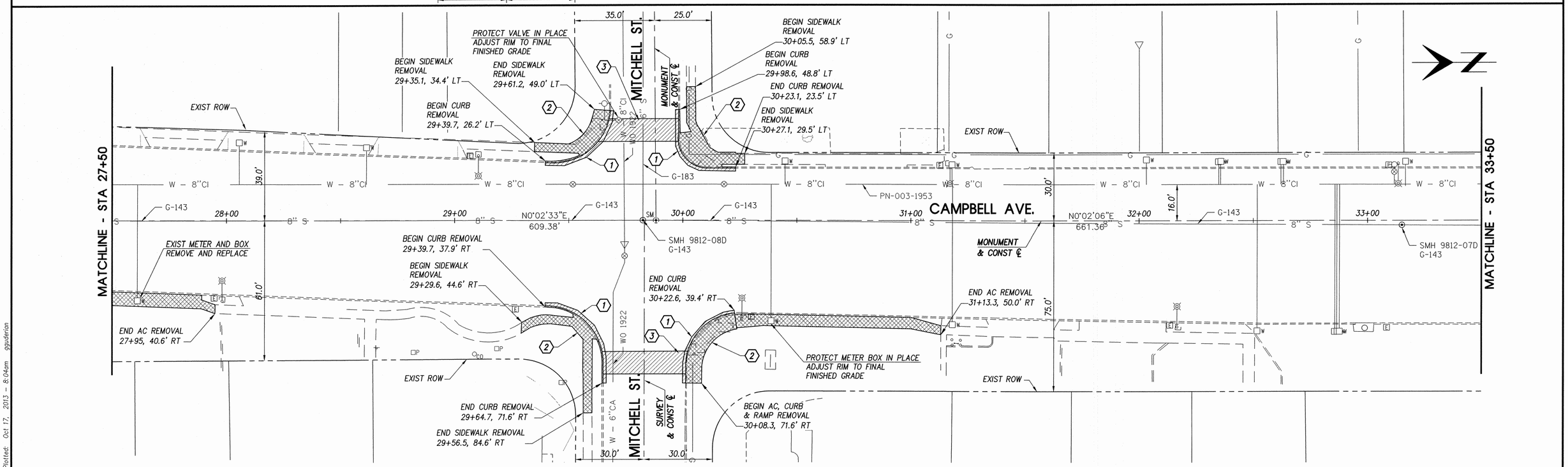

DEMOLITION PLAN

SCALE 1" = 20'-0"

0' 5' 10' 20' 40' 80'

KEYNOTES

1. SAWCUT MINIMUM 1' (12") FROM FACE OF CURB
2. SEE INTERSECTION DETAIL SHEETS FOR REMOVAL FOOTPRINT CURVE DATA AND FOR TREATMENT OF EXISTING FIRE HYDRANTS IN PROPOSED CONSTRUCTION AREAS.
3. MILL 2"

REFER TO THE CORRESPONDING IMPROVEMENT PLAN SHEET FOR SERVICE WORK ON EXISTING WATER METERS AND METER BOXES.

SS632 03D
0000 PM TUC SS632 03D
STP-TEA-0120SIA

EEC Job No. 12015.03

SHEET W4 OF W13

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DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
CAMPBELL AVENUE ENHANCEMENTS
GRANT ROAD TO FORT LOWELL ROAD

CITY OF TUCSON

DRWN. BY	GG	10/13
DSGN. BY	DE	10/13
CHKD. BY	SM	10/13

REF. ____ SCALE: AS NOTED

PLAN NO. U-2008-011

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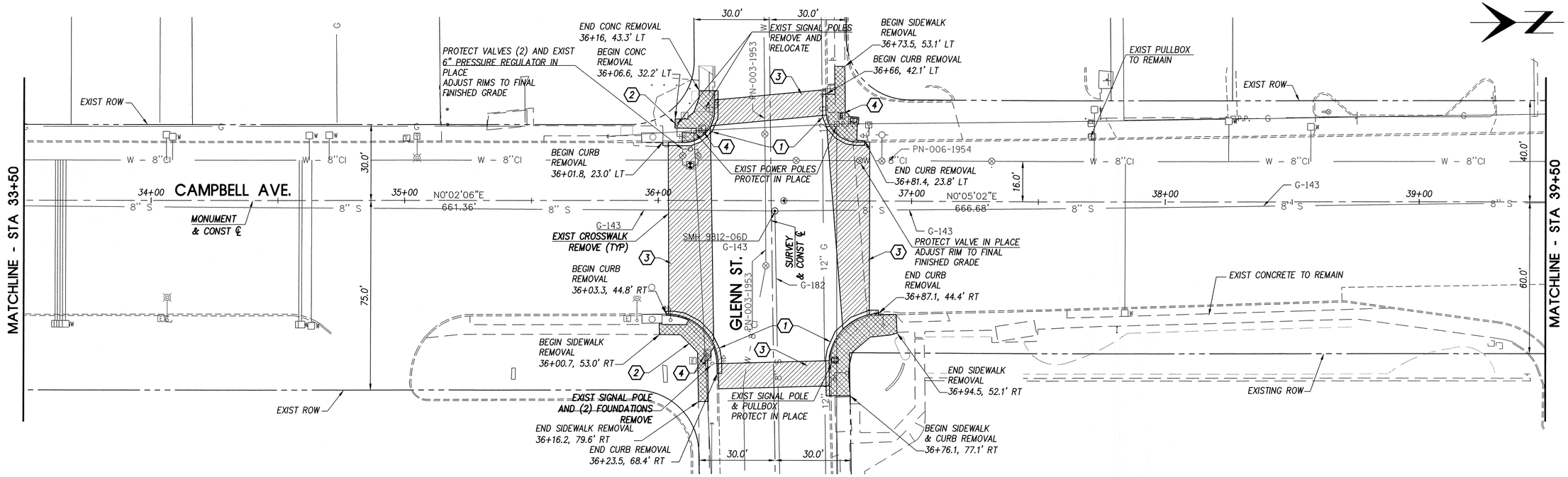

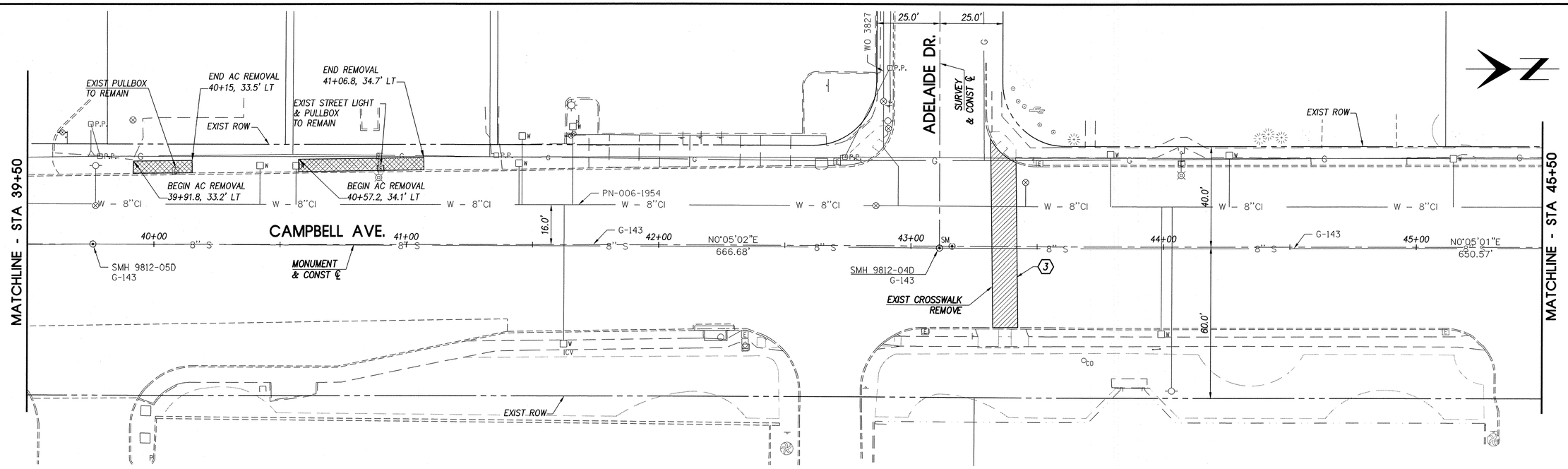

KEYNOTES

1. SAWCUT MINIMUM 1' (12") FROM FACE OF CURB
2. SEE INTERSECTION DETAIL SHEETS FOR REMOVAL FOOTPRINT CURVE DATA AND FOR TREATMENT OF EXISTING FIRE HYDRANTS IN PROPOSED CONSTRUCTION AREAS.
3. MILL 2"
4. REMOVE EXIST. PULLBOX – PULL OLD WIRE AND ABANDON CONDUIT IN PLACE.

DEMOLITION PLAN

SCALE 1" = 20'-0"

0' 5' 10' 20' 40' 80'

REFER TO THE CORRESPONDING IMPROVEMENT PLAN SHEET FOR SERVICE WORK ON EXISTING WATER METERS AND METER BOXES.

SS632 03D
0000 PM TUC SS632 03D
STP-TEA-0(205)A

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SHEET W5 OF W13

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DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

CAMPBELL AVENUE ENHANCEMENTS
GRANT ROAD TO FORT LOWELL ROAD

8 OF 17

CITY OF TUCSON

DRWN. BY	GG	10/13	REF.	SCALE: AS NOTED
DSGN. BY	DE	10/13		
CHKD. BY	SM	10/13	PLAN NO.	U-2008-011

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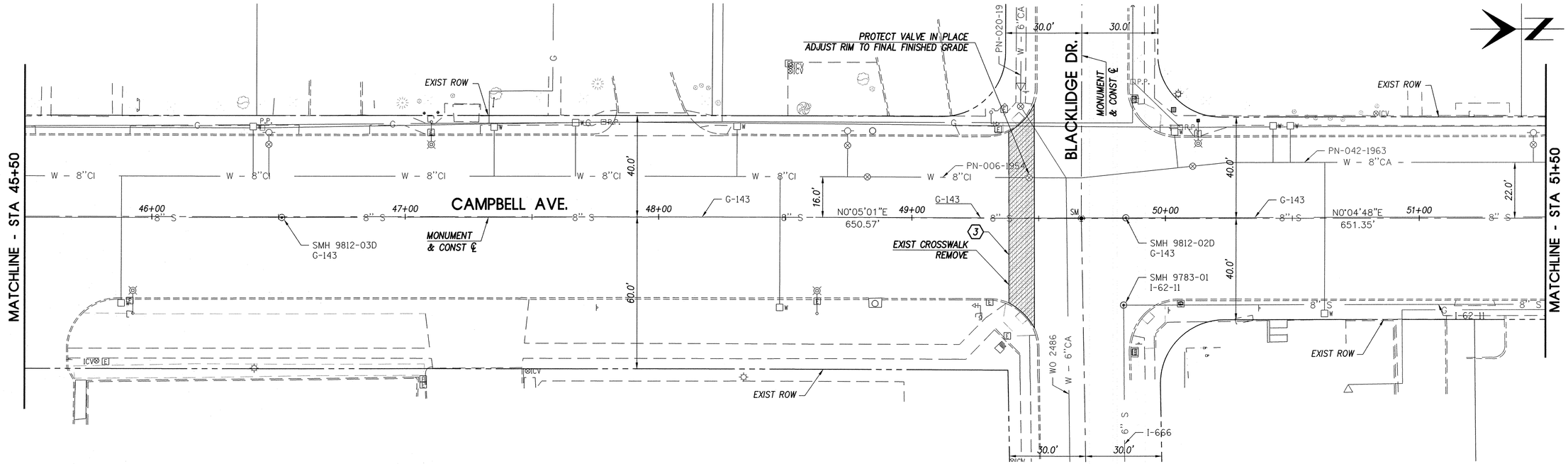

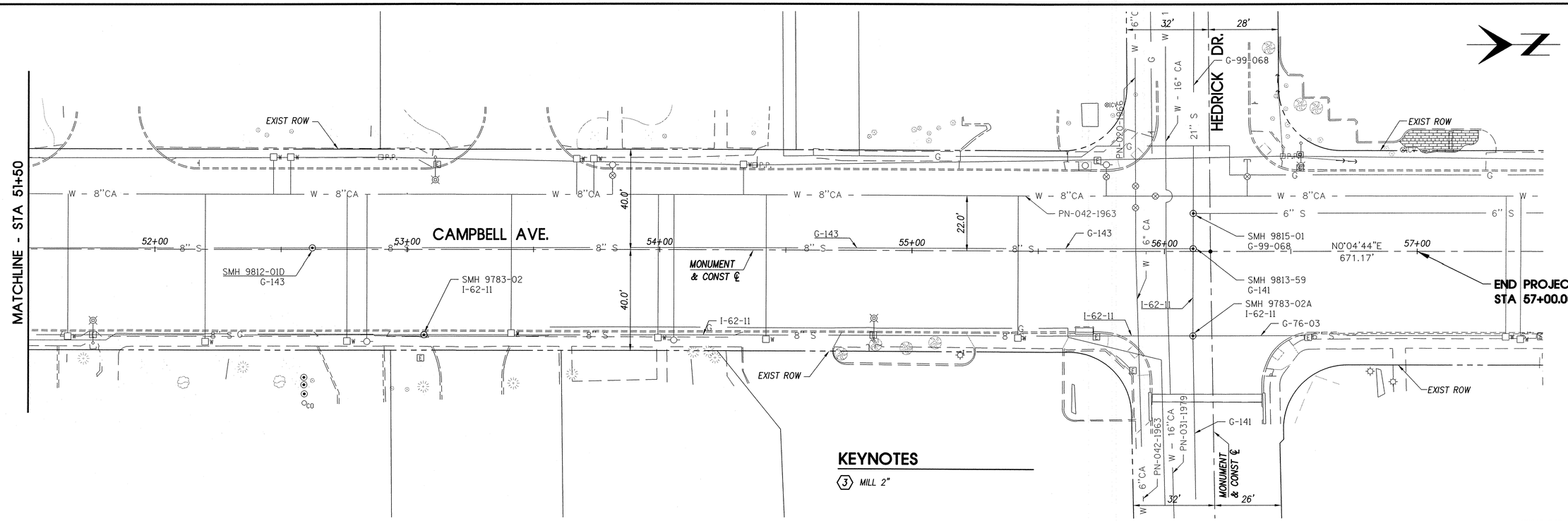

KEYNOTES

(3) MILL 2"

DEMOLITION PLAN

SCALE 1" = 20'-0"

0' 5' 10' 20' 40' 80'

REFER TO THE CORRESPONDING IMPROVEMENT PLAN SHEET FOR SERVICE WORK ON EXISTING WATER METERS AND METER BOXES.

SS632 03D
0000 PM TUC SS632 03D
STP-TEA-0(205)A

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SHEET W6 OF W13

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Registered Professional Engineer (Civil) CERTIFICATE NO. 37865 SHERRY A. MARTIN Date Signed 10-17-13 ARIZONA, U.S.A. Expires 09/30/14

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
CAMPBELL AVENUE ENHANCEMENTS
GRANT ROAD TO FORT LOWELL ROAD

9 OF 17

CITY OF TUCSON

DRWN. BY	GG	10/13	REF.	SCALE: AS NOTED
DSGN. BY	DE	10/13		
CHKD. BY	SM	10/13	PLAN NO.	U-2008-011

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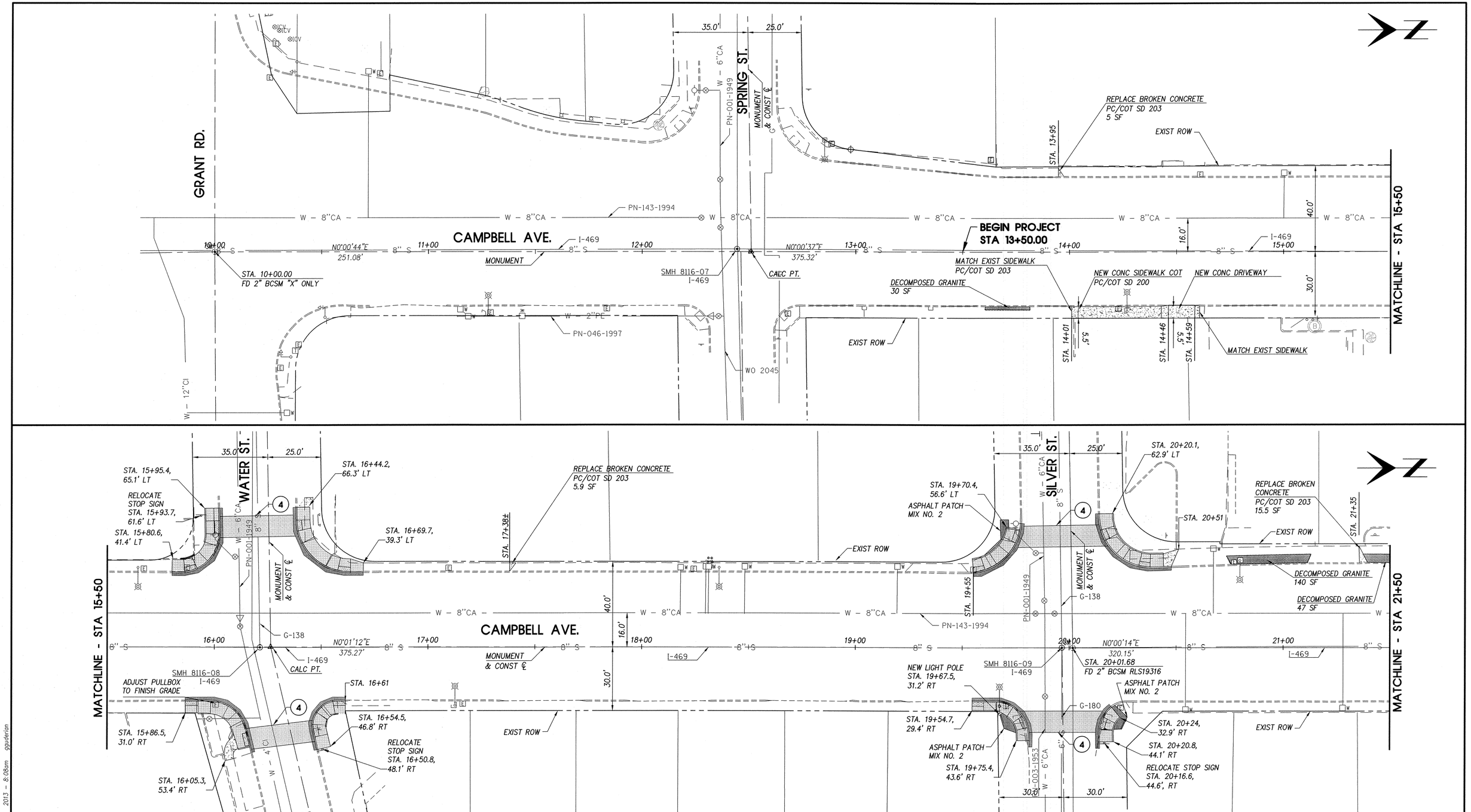

KEYNOTES

(4) IMPRINTED AC WITH MANUFACTURER APPROVED ACRYLIC COLOR TOPPING (2" THICK OVER MILLED AC)

IMPROVEMENT PLAN

SCALE 1" = 20'-0"

0' 5' 10' 20' 40' 80'

SS632 03D
0000 PM TUC SS632 03D
STP-TEA-0205JA

EEC Job No. 12015.03

SHEET W7 OF W13

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DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
CAMPBELL AVENUE ENHANCEMENTS
GRANT ROAD TO FORT LOWELL ROAD

10 OF 17

CITY OF TUCSON

DRWN. BY	GG	10/13
DSGN. BY	DE	10/13
CHKD. BY	SM	10/13

REF. ____ SCALE: AS NOTED

PLAN NO. U-2008-011

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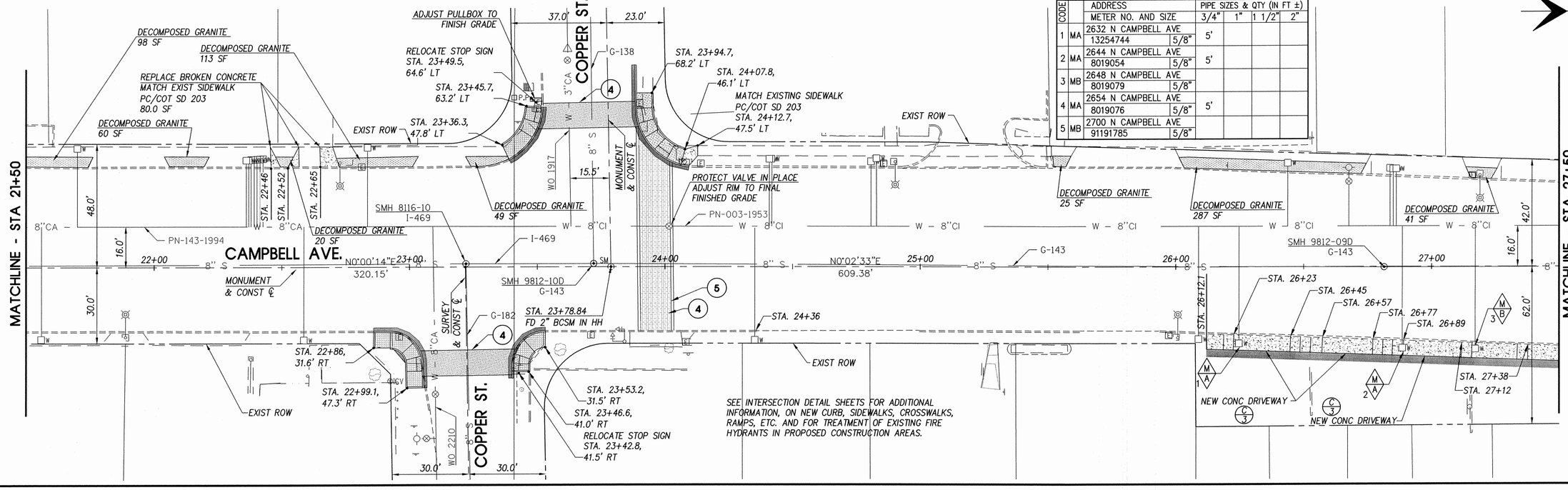
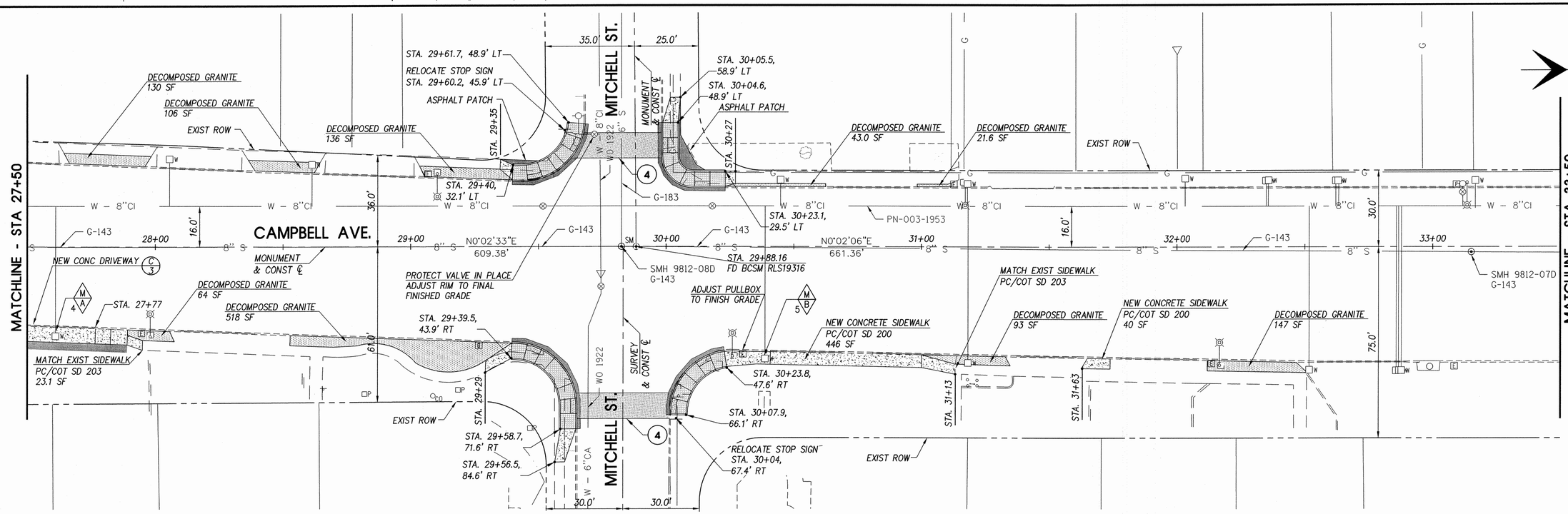
CODE		SERVICE WORK ADDRESS / METER NO. AND SIZE		PIPE SIZES & QTY (IN FT ±) 3/4"	1"	1 1/2"	2"
1	MA	2632 N CAMPBELL AVE 13254744	5/8"	5'			
2	MA	2644 N CAMPBELL AVE 8019054	5/8"	5'			
3	MB	2648 N CAMPBELL AVE 8019079	5/8"				
4	MA	2654 N CAMPBELL AVE 8019076	5/8"	5'			
5	MB	2700 N CAMPBELL AVE 91191785	5/8"				





IMPROVEMENT PLAN

SCALE 1" = 20'-0"

0' 5' 10' 20' 40' 80'

KEYNOTES

(4) IMPRINTED AC WITH MANUFACTURER APPROVED ACRYLIC COLOR TOPPING (2" THICK OVER MILLED AC)

(5) CROSSWALK STRIPING, PC/COT PVMT. MARKING STD SHT. 2-8

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SHEET W8 OF W13

SS632 03D
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STP-TEA-012051A

EEC Job No. 12015.03

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

CAMPBELL AVENUE ENHANCEMENTS
GRANT ROAD TO FORT LOWELL ROAD

CITY OF TUCSON

DRWN. BY	GG	10/13
DSGN. BY	DE	10/13
CHKD. BY	SM	10/13

REF. ____ SCALE: AS NOTED

PLAN NO. U-2008-011

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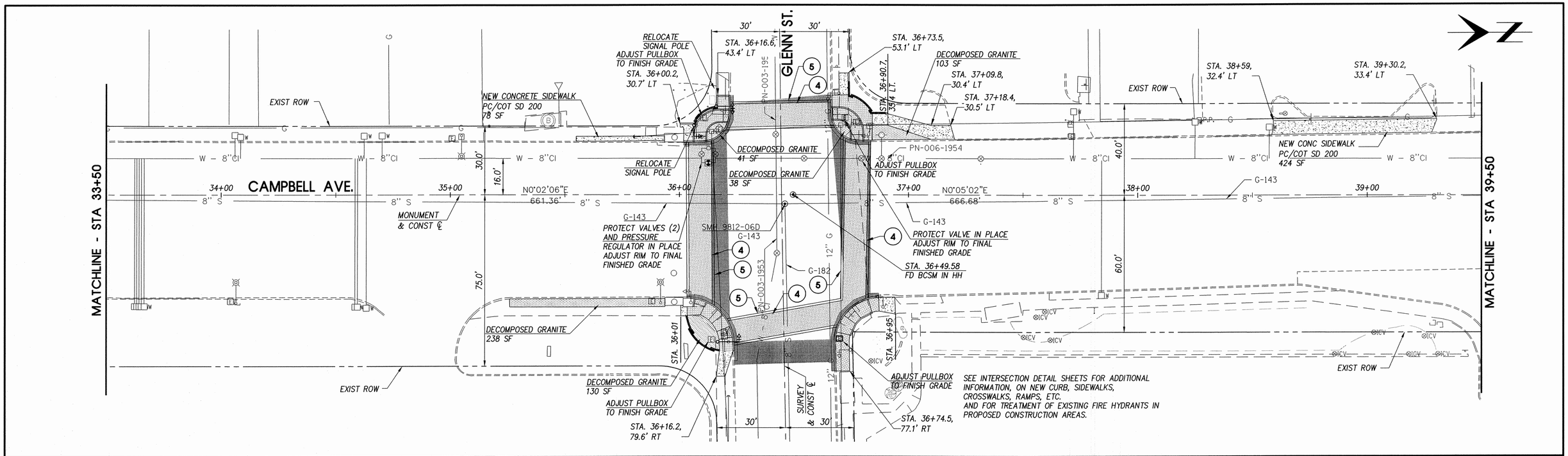

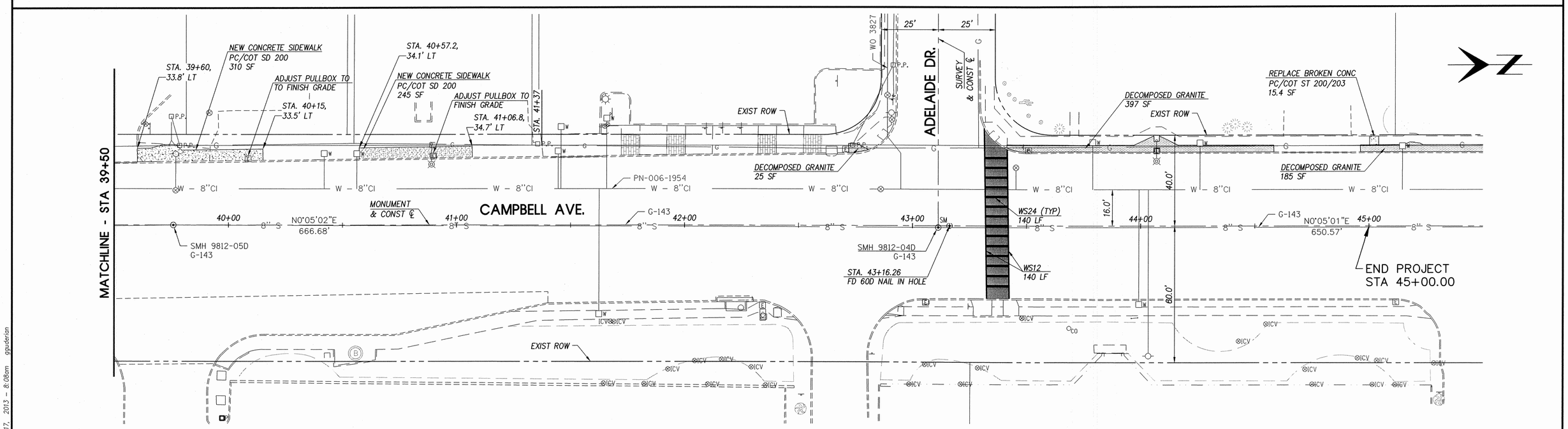

IMPROVEMENT PLAN

SCALE 1" = 20'-0"

0' 5' 10' 20' 40' 80'

KEYNOTES

4. IMPRINTED AC WITH MANUFACTURER APPROVED ACRYLIC COLOR TOPPING (2" THICK OVER MILLED AC)
5. CROSSWALK STRIPING, PC/COT PVMT. MARKING STD SHT. 2-8

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SHEET W9 OF W13

SS632 03D
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STP-TEA-0(205)A

EEC Job No. 12015.03

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
CAMPBELL AVENUE ENHANCEMENTS
GRANT ROAD TO FORT LOWELL ROAD

12 OF 17

CITY OF TUCSON

DRWN. BY	GG	10/13	REF.
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CHKD. BY	SM	10/13	PLAN NO. U-2008-011

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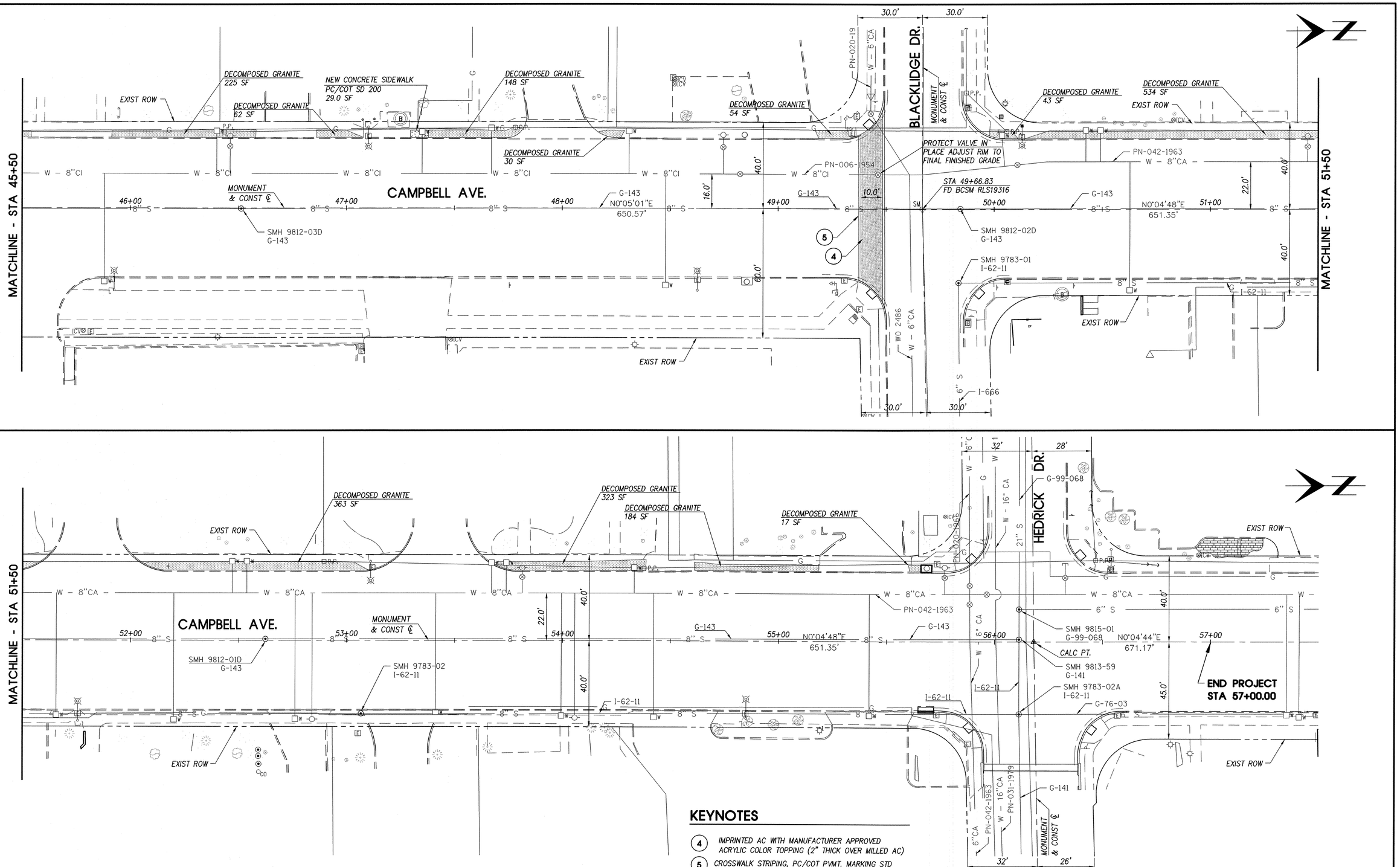

KEYNOTES

4. IMPRINTED AC WITH MANUFACTURER APPROVED ACRYLIC COLOR TOPPING (2" THICK OVER MILLED AC)
5. CROSSWALK STRIPING, PC/COT PVMT. MARKING STD SHT. 2-8

SEE INTERSECTION DETAIL SHEETS FOR ADDITIONAL INFORMATION, ON NEW CURB, SIDEWALKS, CROSSWALKS, RAMPS, ETC. AND FOR TREATMENT OF EXISTING FIRE HYDRANTS IN PROPOSED CONSTRUCTION AREAS.

IMPROVEMENT PLAN

SCALE 1" = 20'-0"

0' 5' 10' 20' 40' 80'

SS632 03D
0000 PM TUC SS632 03D
STP-TEA-0(205)A

EEC Job No. 12015.03

SHEET W10 OF W13

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NO.	DATE	REVISION	BY	CHKD.	APPR.

Registered Professional Engineer (Civil) CERTIFICATE NO. 37865 SHERRY A. MARTIN Date signed 9-13-13 ARIZONA, U.S.A.
Expires 09/30/14

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

CAMPBELL AVENUE ENHANCEMENTS
GRANT ROAD TO FORT LOWELL ROAD

13 OF 17

CITY OF TUCSON

DRWN. BY	GG	10/13	REF.
DSGN. BY	DE	10/13	SCALE: AS NOTED
CHKD. BY	SM	10/13	PLAN NO. U-2008-011

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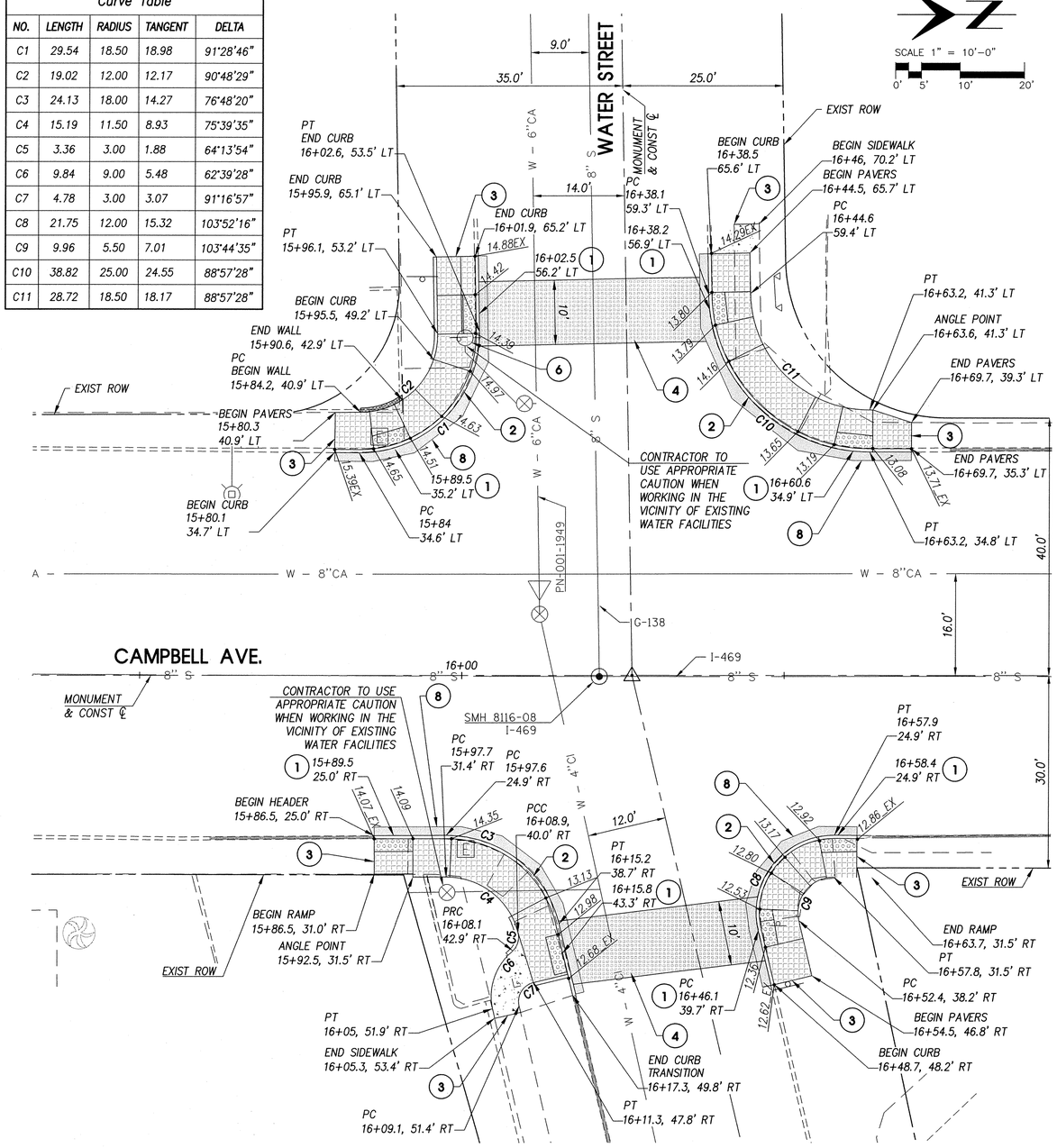
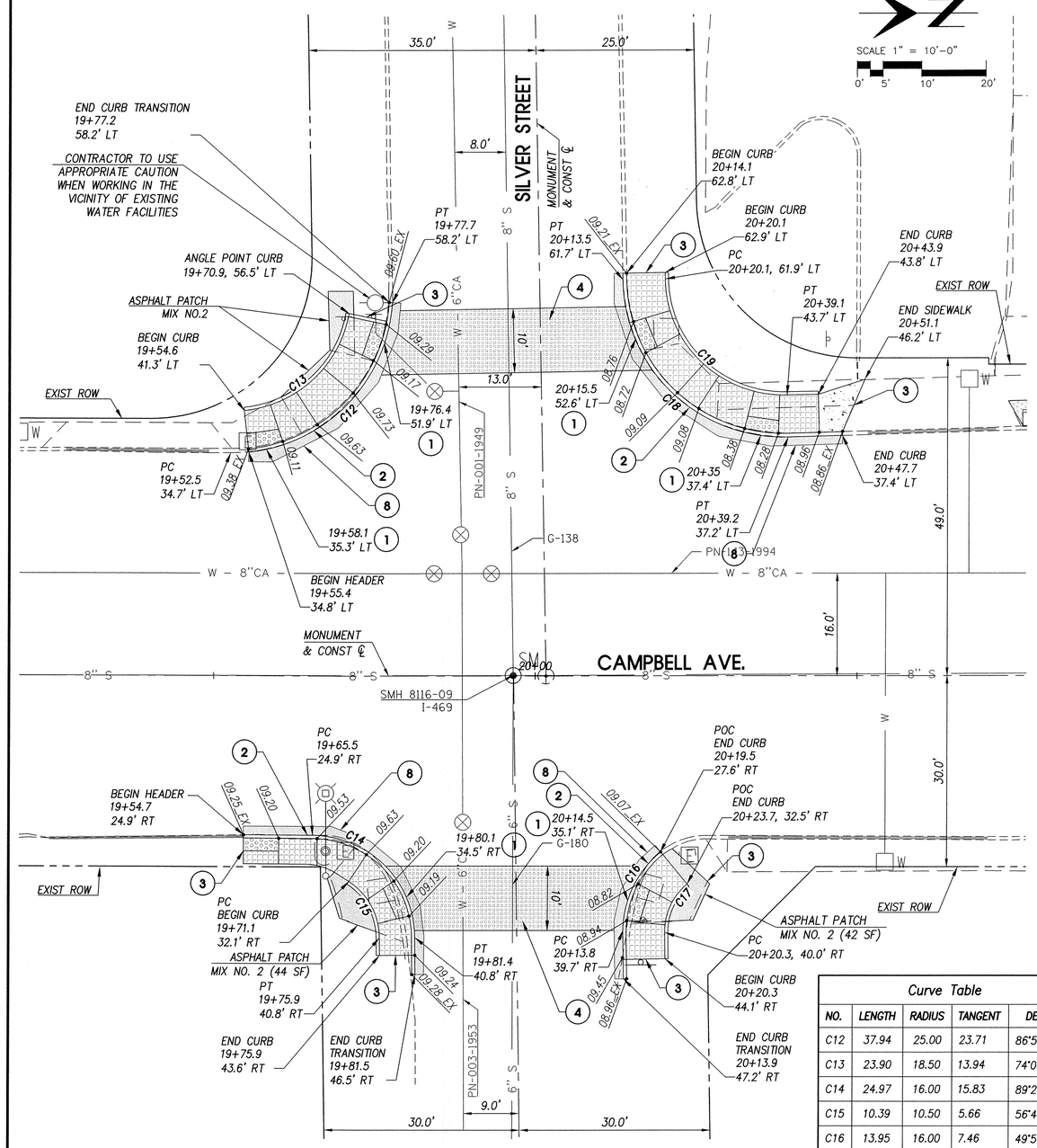
Curve Table				
NO.	LENGTH	RADIUS	TANGENT	DELTA
C1	29.54	18.50	18.98	91°28'46"
C2	19.02	12.00	12.17	90°48'29"
C3	24.13	18.00	14.27	76°48'20"
C4	15.19	11.50	8.93	75°39'35"
C5	3.36	3.00	1.88	64°13'54"
C6	9.84	9.00	5.48	62°39'28"
C7	4.78	3.00	3.07	91°16'57"
C8	21.75	12.00	15.32	103°52'16"
C9	9.96	5.50	7.01	103°44'35"
C10	38.82	25.00	24.55	88°57'28"
C11	28.72	18.50	18.17	88°57'28"



CAMPBELL AVE & WATER ST - INTERSECTION DETAIL



CAMPBELL AVE & SILVER ST - INTERSECTION DETAIL

Curve Table				
NO.	LENGTH	RADIUS	TANGENT	DELTA
C12	37.94	25.00	23.71	86°57'17"
C13	23.90	18.50	13.94	74°00'24"
C14	24.97	16.00	15.83	89°24'13"
C15	10.39	10.50	5.66	56°40'08"
C16	13.95	16.00	7.46	49°57'55"
C17	8.53	9.50	4.58	51°26'42"
C18	39.61	25.00	25.35	90°47'15"
C19	29.19	18.42	18.67	90°47'15"

KEYNOTES

1. ACCESS RAMP, PCDOT STD DTL 207 (SIDEWALK RAMP CONTROL POINT)
2. CONCRETE CURB, PC/COT STD DTL 209 TYPE 2 H=6"
3. MATCH EXISTING
4. IMPRINTED AC WITH MANUFACTURER APPROVED ACRYLIC COLOR TOPPING (2" THICK OVER MILLED AC)
6. FOR ALL FIRE HYDRANTS LOCATED IN AREAS OF PROPOSED DEMOLITION AND NEW PAVEMENT THE BREAKAWAY FLANGE MUST BE 2" – 6" ABOVE FINAL FINISHED GRADE. THE FINAL CONDITION OF SAID FIRE HYDRANTS MUST CONFORM TO TUCSON WATER SD-500 IN EVERY RESPECT. ADJUST/REINSTALL PER APPROVED TUCSON WATER PROCEDURES AS REQUIRED.
8. PAVEMENT REPLACEMENT PER D/3

NOTE: ALL OFFSETS TO FACE OF WALLS, CURBS, AND HEADERS
ALL SPOT ELEVATIONS FROM TOP OF CURB
ALIGN CENTERLINE OF IMPRINTED AC CROSSINGS W/RAMP CONTROL POINTS

SS632 03D
0000 PM TUC SS632 03D
STP-TEA-0(205)A

EEC Job No. 12015.03

SHEET W11 OF W13

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TUCSON, ARIZONA 85712 520-321-4625

NO.	DATE	REVISION	BY	CHKD.	APPR.

Registered Professional Engineer (Civil) CERTIFICATE NO. 37865 SHERRY A. MARTIN Date Signed 9-11-13 ARIZONA, U.S.A.
Sherry A. Martin
Expires 09/30/14

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
CAMPBELL AVENUE ENHANCEMENTS
GRANT ROAD TO FORT LOWELL ROAD

CITY OF TUCSON

DRWN. BY	GG	10/13
DSGN. BY	DE	10/13
CHKD. BY	SM	10/13

REF. ____ SCALE: AS NOTED
PLAN NO. U-2008-011

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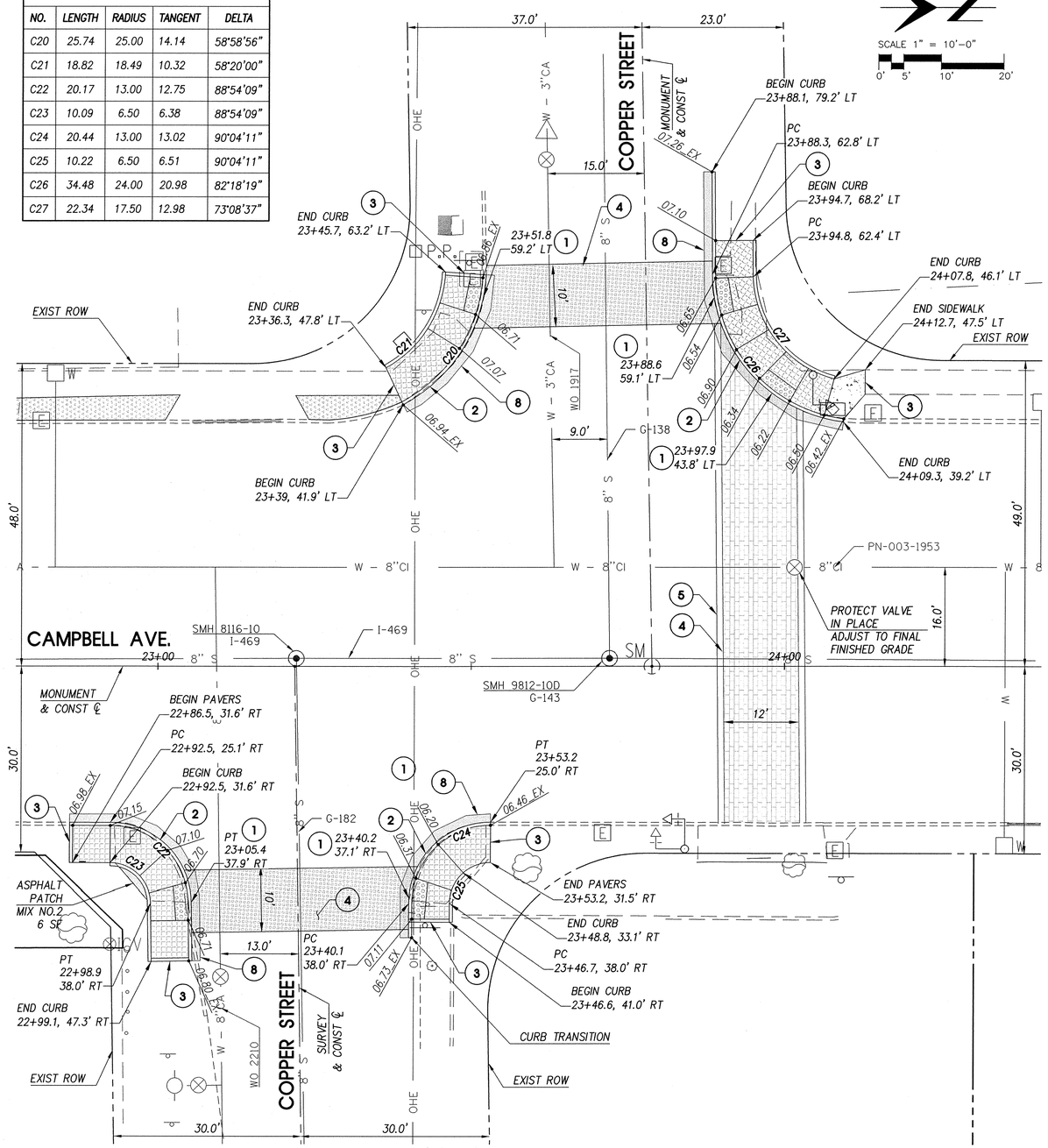
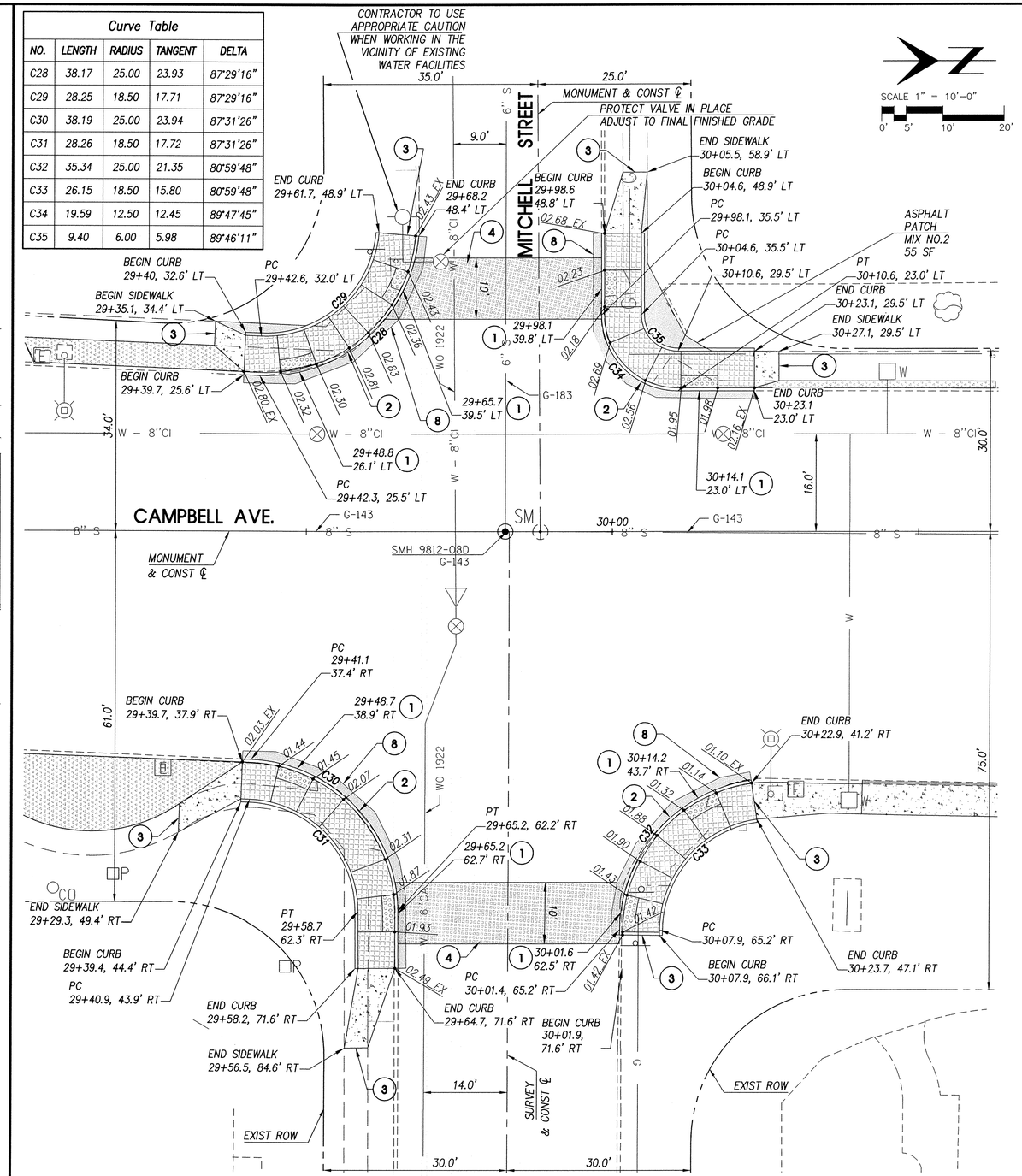
Curve Table				
NO.	LENGTH	RADIUS	TANGENT	DELTA
C20	25.74	25.00	14.14	58°58'56"
C21	18.82	18.49	10.32	58°20'00"
C22	20.17	13.00	12.75	88°54'09"
C23	10.09	6.50	6.38	88°54'09"
C24	20.44	13.00	13.02	90°04'11"
C25	10.22	6.50	6.51	90°04'11"
C26	34.48	24.00	20.98	82°18'19"
C27	22.34	17.50	12.98	73°08'37"



CAMPBELL AVE & COPPER ST - INTERSECTION DETAIL

Curve Table				
NO.	LENGTH	RADIUS	TANGENT	DELTA
C28	38.17	25.00	23.93	87°29'16"
C29	28.25	18.50	17.71	87°29'16"
C30	38.19	25.00	23.94	87°31'26"
C31	28.26	18.50	17.72	87°31'26"
C32	35.34	25.00	21.35	80°59'48"
C33	26.15	18.50	15.80	80°59'48"
C34	19.59	12.50	12.45	89°47'45"
C35	9.40	6.00	5.98	89°46'11"



CAMPBELL AVE & MITCHELL ST - INTERSECTION DETAIL

KEYNOTES

1. ACCESS RAMP, PCDOT STD DTL 207 (SIDEWALK RAMP CONTROL POINT)
2. CONCRETE CURB, PC/COT STD DTL 209 TYPE 2 H=6"
3. MATCH EXISTING
4. IMPRINTED AC WITH MANUFACTURER APPROVED ACRYLIC COLOR TOPPING (2" THICK OVER MILLED AC)
5. CROSSWALK STRIPING, PC/COT PVMT. MARKING STD SHT. 2-8
8. PAVEMENT REPLACEMENT PER D/3

NOTE: ALL OFFSETS TO FACE OF WALLS, CURBS, AND HEADERS
ALL SPOT ELEVATIONS FROM TOP OF CURB
ALIGN CENTERLINE OF IMPRINTED AC CROSSINGS W/RAMP CONTROL POINTS

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NO.	DATE	REVISION	BY	CHKD.	APPR.

Registered Professional Engineer (Civil) CERTIFICATE NO. 37865 SHERRY A. MARTIN Date Signed 9-30-13 ARIZONA, U.S.A.
Expires 09/30/14

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
CAMPBELL AVENUE ENHANCEMENTS
GRANT ROAD TO FORT LOWELL ROAD

15 OF 17

CITY OF TUCSON

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DSGN. BY	DE	10/13
CHKD. BY	SM	10/13

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SIGNAL POLE RELOCATION NOTES

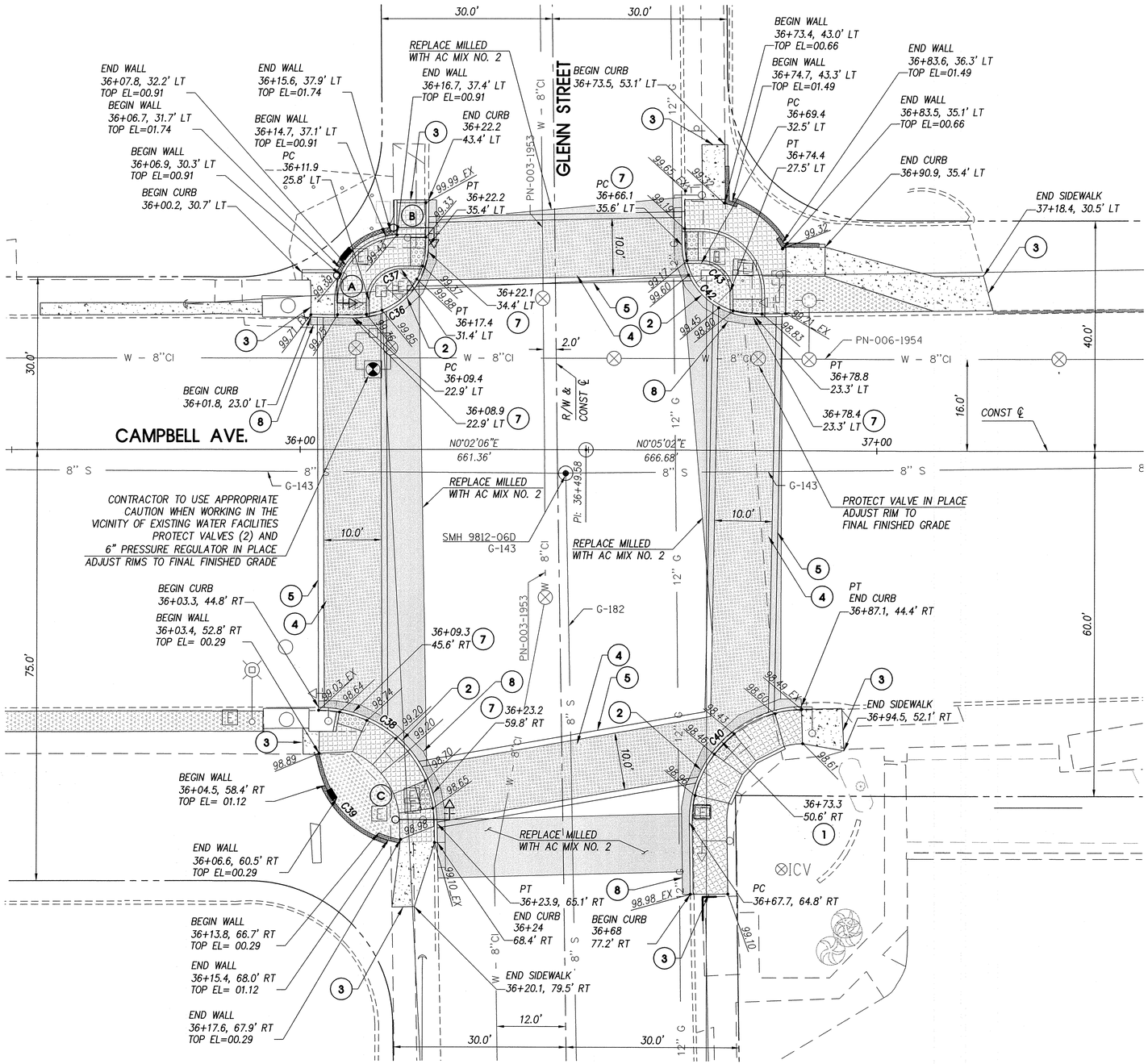
1. POLES (A) AND (B) : REUSE AND RECONNECT EXISTING POLES. REMOVE AND RELOCATE MAST ARMS, LUMINAIRES, SIGNALS, PEDESTRIAN SIGNALS & BUTTONS, PRE-EMPTION EQUIPMENT, VIDEO DETECTION EQUIPMENT AND IISNS TO POLES AT NEW LOCATIONS.

   POLE (C) : INSTALL NEW "Q" HEAD/TYPE II MOUNT, "F" HEAD/ TYPE V MOUNT, AND MH/TYPE XI MOUNT. REUSE PEDESTRIAN SIGNAL & BUTTON, VIDEO DETECTION EQUIPMENT AND IISNS.

2. EXISTING NO. 7 PULL BOX TO REMAIN. INSTALL CONDUIT TO NEW POLE LOCATIONS.

3. REMOVE EXISTING FOUNDATIONS OF REMOVED/RELOCATED POLES.

4. CONTRACTOR SHALL OPEN UP SUFFICIENT TRENCH FOR EXTENDED CONDUITS TO ENSURE A SMOOTH CHANGE FROM EXISTING TO NEW POLES.



Curve Table				
NO.	LENGTH	RADIUS	TANGENT	DELTA
C36	19.88	12.50	12.75	91°07'37"
C37	8.66	5.50	5.52	90°14'16"
C38	32.09	20.50	20.38	89°40'09"
C39	15.00	17.67	7.99	48°38'17"
C40	31.17	20.00	19.75	89°17'38"
C42	19.69	12.50	12.56	90°16'01"
C43	7.78	5.00	4.93	89°10'22"

KEYNOTES

1. ACCESS RAMP, PCDOT STD DTL 207 (SIDEWALK RAMP CONTROL POINT)
2. CONCRETE CURB, PC/COT STD DTL 209 TYPE 2 H=6"
3. CONCRETE SIDEWALK, PC/ COT STD DTL 200 (MATCH EXISTING)
4. IMPRINTED AC WITH MANUFACTURER APPROVED ACRYLIC COLOR TOPPING (2" THICK OVER MILLED AC)
5. CROSSWALK STRIPING, PC/COT PVMT. MARKING STD SHT. 2-8
7. ACCESS RAMP (B/3)
8. PAVEMENT REPLACEMENT PER (D/3)

CAMPBELL AVE & GLENN ST - INTERSECTION DETAIL

NOTE: ALL OFFSETS TO FACE OF WALLS, CURBS, AND HEADERS
ALL SPOT ELEVATIONS FROM TOP OF CURB OR BASE OF WALL
ALIGN CENTERLINE OF IMPRINTED AC CROSSINGS W/RAMP CONTROL POINTS

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STP-TEA-0(205)A

EEC Job No. 12015.03

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TUCSON, ARIZONA 85712 520-321-4625

NO.	DATE	REVISION	BY	CHKD.	APPR.

Registered Professional Engineer (Civil) CERTIFICATE NO. 37865 SHERRY A. MARTIN Date Signed 10-29-13 ARIZONA, U.S.A. Expires 09/30/14

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
CAMPBELL AVENUE ENHANCEMENTS
GRANT ROAD TO FORT LOWELL ROAD

16 OF 17

CITY OF TUCSON

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REF. _____ SCALE: AS NOTED

PLAN NO. U-2008-011

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PART 1 – To be completed by Design Engineer

I. PROJECT NAME: Campbell Avenue Enhancement Project

A. Owner Name and Address:

City of Tucson
Department of Transportation
201 N. Stone Ave.
Tucson, Arizona 85701

B. Project Location: Campbell Avenue between Grant Road and Fort Lowell Road

City: Tucson County: Pima
Latitude: 32°15'27" Longitude: 110°56'38"

C. Project Description: Pavement Replacement & Sidewalk Repair, Replacement and Installation.

Intended Use after Construction: Vehicular and Pedestrian Traffic

D. Total Project Area:
Length (Ft.) 4,350 Area (Ac.) 0.4

E. Area to be Disturbed (Ac.), Including Off-Site Areas 0.4

F. Percent Impervious Area:
Existing 100% After Project 100%

G. Receiving Water(s) (include wetlands): Wilson Avenue Wash
Distance from Project: 0.35 Mi

H. Description of Soils: Clayey sand with gravel
Potential for Erosion: N/A

I. Identify Locations of Potential Discharges to Dry Washes or MS4. N/A

J. Are Dry Wells Present On Site. If Yes, Indicate their Location on Site Map. No

II. PRESERVATION OF EXISTING VEGETATION

A. In accordance with the specifications, existing vegetation will be preserved where possible. Clearing limits shall be confined to areas that require grading. Existing vegetation outside the boundaries of the cleared area shall be protected from damage by construction activities. Existing trees within the area to be cleared shall be preserved and protected, wherever possible. Areas where vegetation will be preserved and/or any environmentally sensitive areas and buffer zones shall be shown on the site map.

III. SOIL STABILIZATION MEASURES

A. All disturbed soil, which will not be paved, riprapped or otherwise covered to prevent erosion, will be revegetated and/or landscaped in accordance with the project plans and specifications. If seed mix is used, describe application procedures: N/A

B. Scheduling of the revegetation effort can be found on PART 2 of this sheet under SCHEDULE OF STABILIZATION MEASURES.

IV. MEASURES TO CONTROL EROSION AND SEDIMENT

A. Permanent Erosion and Sediment Controls: (Refer to Project Plans and Specifications)

____ Crown Ditch/Dike
____ Rock Protection
____ Rock Riprap Channel Lining
____ Sediment Basin
____ Embankment Curb
____ Spillways and Downdrains
____ Minibenching
____ Rock Inlet/Outlet Protection
____ Runon Controls
____ Others Describe:

B. Temporary Erosion and Sediment Controls: (Refer to the Specifications)

____ Erosion Control Mattings
____ Temporary Diversion Dikes
____ Check Dams
____ Straw Bale Barriers
____ Stabilized Construction Entrance
____ Sediment Wattles
____ Sediment Control Logs
__X__ Stormdrain Inlet Protection
____ Minibenching
____ Silt Fence
____ Others Describe:

C. Perimeter Controls at Downslope and Sideslope Boundaries

____ Silt Fence
____ Vegetative Buffer Strips
____ Sediment Traps
____ Others Describe:

V. MAINTENANCE AND INSPECTIONS

A. Frequency of Inspections:

____ Every 7 calendar days and before an anticipated rain event, and within 24 hours after a rainfall of 0.5 in. or more.

__X__ Every two weeks and within 24 hours after a rainfall of 0.5 in. or more (areas with 20" or more mean annual rainfall).

____ Weekly

NOTE: RAINFALL GAUGE TO BE KEPT ON-SITE TO DETERMINE DEPTH OF RAINFALL

B. Inspection Procedure:

Joint inspections will be performed by the Engineer and by Qualified Personnel provided by the Contractor. COT inspection form will be completed by Qualified Personnel who will provide a copy to the Engineer. The form will be kept on file for a period of 3 years following final project acceptance. If follow-up actions are necessary, they shall be initiated within 24 hours of the inspection report, and completed within 14 days. Dates of follow-up actions will be recorded on the inspection form. Any necessary revisions to the SWPPP will be documented on the SWPPP and the SWPPP revision table.

C. The following Contractor Personnel meet the requirements of "Qualified Personnel" as described in the AZDES General permit: Name
Title Qualifications:
Copy of Training Certificate can be found:

D. Maintenance
Clean and/or replace BMPs when design capacity is reduced by 50%. Remove sediment from behind silt fence when sediment reaches 1/3 of height of fence.

E. The SWPPP will be modified to meet changing site conditions.

VI. CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS

A. This Storm Water Pollution Prevention Plan has been prepared in accordance with ADOT's EROSION AND POLLUTION CONTROL MANUAL published by ADOT, Highways Division (February 2005).

__X__ No other Federal, State or Local Regulations apply

____ Other Applicable Regulations. Describe:

NOTE: SWPPP measures shall be installed so as to prevent all storm water, construction water, fuels, chemicals, or liquids to be directed into or onto any sanitary sewer facilities. Protection of sanitary sewer facilities shall be a part of the Approved Construction SWPPP and Best Management Practices. Protection devices shall be installed and maintained around all potentially affected sanitary sewer facilities within the project limits. Additional measures shall include but not be limited to the use of rain stoppers and waterproof manhole covers as deemed necessary by the Pima County Regional Wastewater Reclamation Department.

PART 2 – To be completed by the Contractor and the City of Tucson

I. SCHEDULE OF MAJOR ACTIVITIES

A. Project Schedule:

Start Date:

End Date:

B. Sequence of Soil Disturbing Activities:

Construction Activity	BMPs

II. SCHEDULE OF STABILIZATION MEASURES

In areas where construction has temporarily or permanently ceased, stabilization measures will be implemented within 14 days. Attach additional sheets as needed.

A. Dates of major grading activities
Begin End

B. Dates when construction temporarily or permanently ceases

Temporary date:
Location of this site:
Permanent date:
Location of this site:

C. Stabilization Measures
Date initiated: Date completed:

III. INVENTORY OF POLLUTANTS

A. The materials or substances checked below are expected to be onsite during construction:

___ Concrete ___ Asphalt
___ Paints ___ Fertilizer
___ Herbicides ___ Wood
___ Fuel ___ Oil
___ Others, List:

IV. NON-STORMWATER FLOWS

___ Dust Control Watering
___ Vehicle and Equipment Washing
___ Dewatering Operations
___ Waterline Flushing
___ Other

Water used for dust control shall be from potable sources and shall not be applied to the point of runoff. Describe BMPs to Address Non-Storm Flows.

V. POLLUTION CONTROL MEASURES

A. Good Housekeeping Controls:

___ Street Sweeping as Needed to Control Tracking
___ Stockpile Controls (Stockpiles shall not be placed in any wash or stormdrain conveyance or in a street leading to these features)
___ Solid Waste Management
___ Equipment Maintenance Procedures
___ Others

B. Source Controls (Locate on Site Map):

___ Designated Concrete Washout Area That Meets APP Standards
___ Equipment Fueling and Maintenance Area
___ Contractor Staging Area
___ Protected Chemical and Material Storage Area
___ Restroom Facilities
___ Stabilized Construction Entrance
___ Secondary Containment for all Chemical Storage
___ Other

C. Will the Contractor utilize off-site areas for staging, material, waste, borrow or equipment storage areas.
Yes ____ No ____
If yes, then the Contractor shall be responsible for including these areas and SWPPP controls for these areas on the site map. In addition, the Contractor shall be responsible for implementing, inspecting and maintaining SWPPP controls for these areas.

VI. SPILL PREVENTION AND RESPONSE

A. Spill Prevention:

The procedures outlined in the City of Tucson Department of Transportation Spill Prevention and Response Plan will be followed to preventand contain spills of hazardous materials. These Preventative actions include BMPs on equipment maintenance and proper handling, storage, and disposal of chemicals and materials. All Manufacturer's recommendations for usage, clean-up, and disposal shall be followed.

B. Spill Response:

In the event of any accidental spill of chemicals or hazardous materials, contact 911, the Engineer, and the City of Tucson Environmental Services (409-8900). If a reportable quantity is discharged into a stormdrain, wash or receiving water, COT Environmental Services shall contact the National Response Center and document the spill with Arizona Department of Environmental Quality (602-771-4466). Refer to TDOT Spill Prevention and Response Plan for more information.

C. Document the Spill:

The contractor will document the spill by completing COT Spill Documentation Form.

D. The SWPPP will be revised within 14 days of the spill.

VII. OTHER REQUIREMENTS

A. A copy of the AZPDES Construction General Permit is attached.

B. This SWPPP will be kept on-site or in a readily accessible location during project work hours.

C. Copies of the NOIs and authorization number are included in the SWPPP.

D. As appropriate, this SWPPP will include measures to comply with applicable Federal, State, and local regulations.

E. The contractor shall be familiar with ADOT's Erosion and Pollution Control Manual and shall keep a copy with the SWPPP documents during construction. Copies are available from City of Tucson, Department of Transportation, Stormwater Management Section (520-791-4251).

F. The Contractor shall maintain BMPs and modify the SWPPP to meet changing site conditions.

VIII. POLLUTION PREVENTION PLAN CERTIFICATION

A. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibilities of fine and imprisonment for knowing violations.

City of Tucson
Name:
Signature:
Title:
Date:
Area of Responsibility:
Contact Information:

Contractor
Name:
Signature:
Title:
Date:
Area of Responsibility:
Contact Information:

Subcontractor
Name:
Signature:
Title:
Date:
Area of Responsibility:
Contact Information:

Subcontractor
Name:
Signature:
Title:
Date:
Area of Responsibility:
Contact Information:

IX. SWPPP REVISION TABLE

The table below shall be completed whenever the SWPPP is revised or updated. Both the Engineer and the Contractor will sign and date document each completed revision. Attach additional sheets as needed.

SIGNATURE	REVISION DESCRIPTION	RESPONSIBILITY
Contractor Date: Engineer Date:		
Contractor Date: Engineer Date:		
Contractor Date: Engineer Date:		
Contractor Date: Engineer Date:		
Contractor Date: Engineer Date:		

NOTE:

Stormwater Pollution Prevention Plan sheets are subject to change during the construction process. Therefore, the Engineer's Certification is limited to ensuring that the Stormwater Pollution Prevention Plan contains all of the elements required under the AZPDES/NPDES Construction General Permit.

SS632 03D
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STP-TEA-0(205)A
EEC Job No. 12015.03

STORM WATER POLLUTION PREVENTION PLAN

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surveying • environmental services
staking • flood control and drainage
landscape architecture • transportation
Engineering and Environmental Consultants, Inc.
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TUCSON, ARIZONA 85712 520-321-4625

NO.	DATE	REVISION	BY	CHKD.	APPR.

Registered Professional Engineer (Civil) CERTIFICATE NO. 37865 SHERRY A. MARTIN Date Signed 10-17-13 ARIZONA, U.S.A.
Expires 09/30/14

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION
CAMPBELL AVENUE ENHANCEMENTS
GRANT ROAD TO FORT LOWELL ROAD

CITY OF TUCSON

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