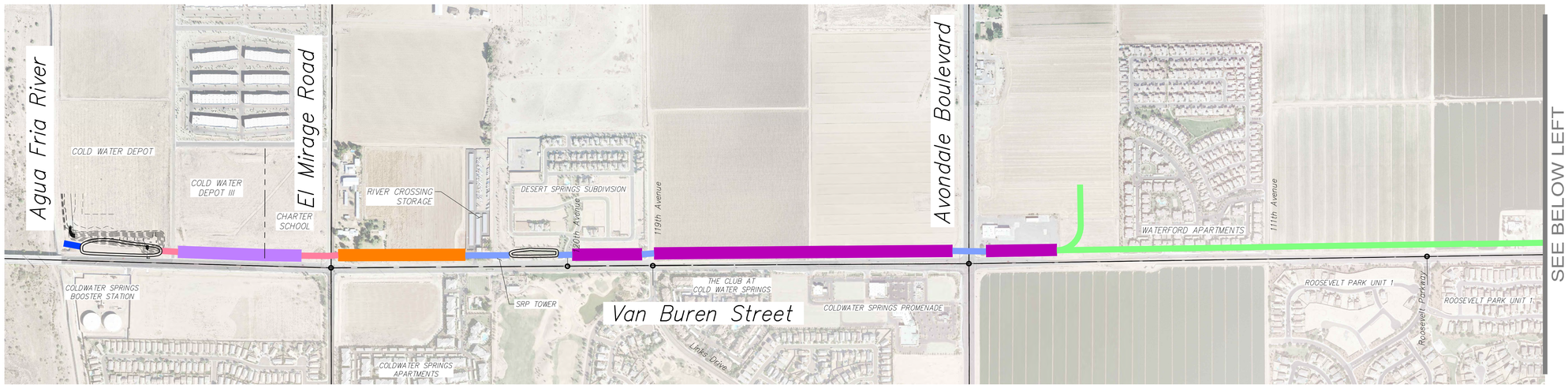
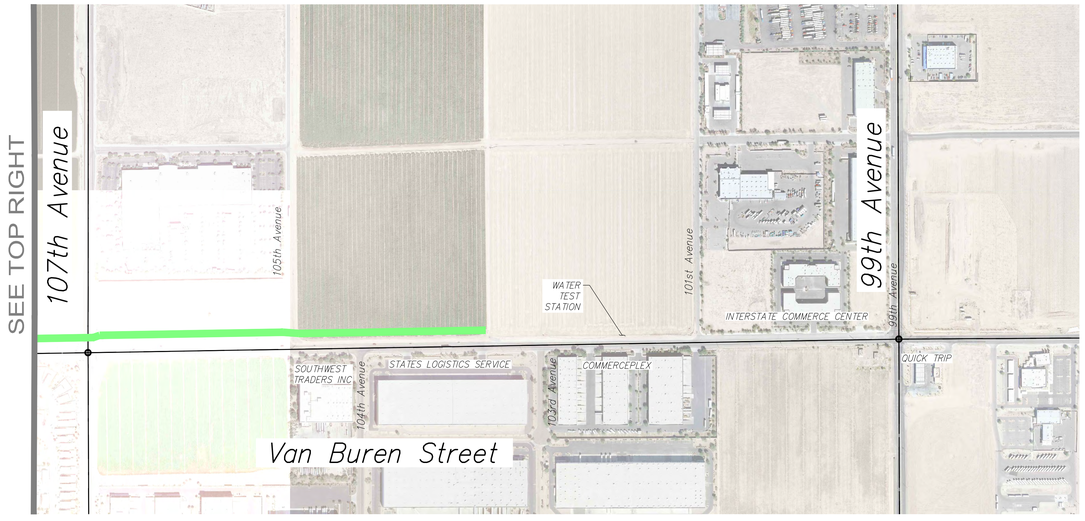
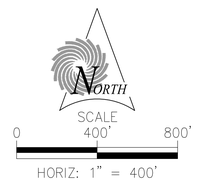
Van Buren Street 99th to Agua Fria River
Alternative 1-3, 10 - Year Event - Plan View





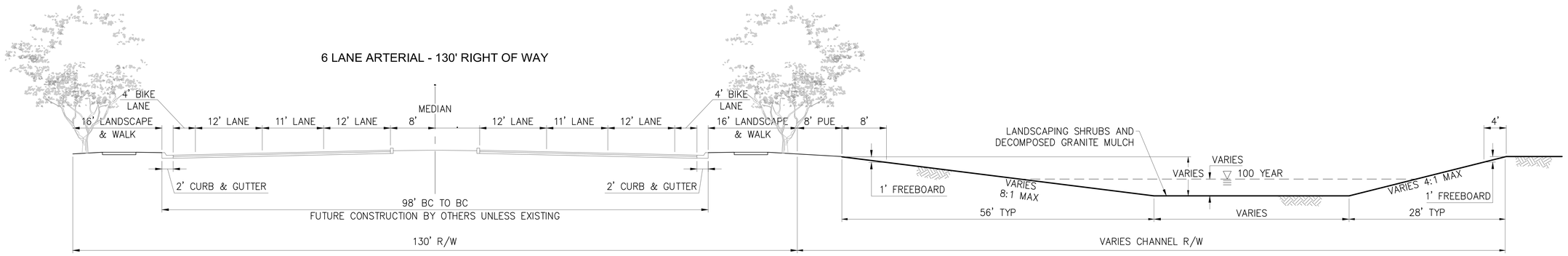


LEGEND

- AGUA FRIA OUTLET – 5' X 4' X QTY 6 RCB WITH FLAP GATES
- CHANNEL SECTION 3
- CHANNEL SECTION 2
- CHANNEL SECTION 1A
- REINFORCED CONCRETE BOX CULVERT – 4 BARREL 10' X 4'
- REINFORCED CONCRETE BOX CULVERT – 5 BARREL 10' X 4'
- CHANNEL SECTION 1B

2801 West Durango Street, Phoenix, Arizona 85009, (602) 506-1501

Van Buren Street 99th to Agua Fria River
Alternative 1-3, 10 - Year Event - Cross Section



A SECTION - VAN BUREN STREET
NOT TO SCALE

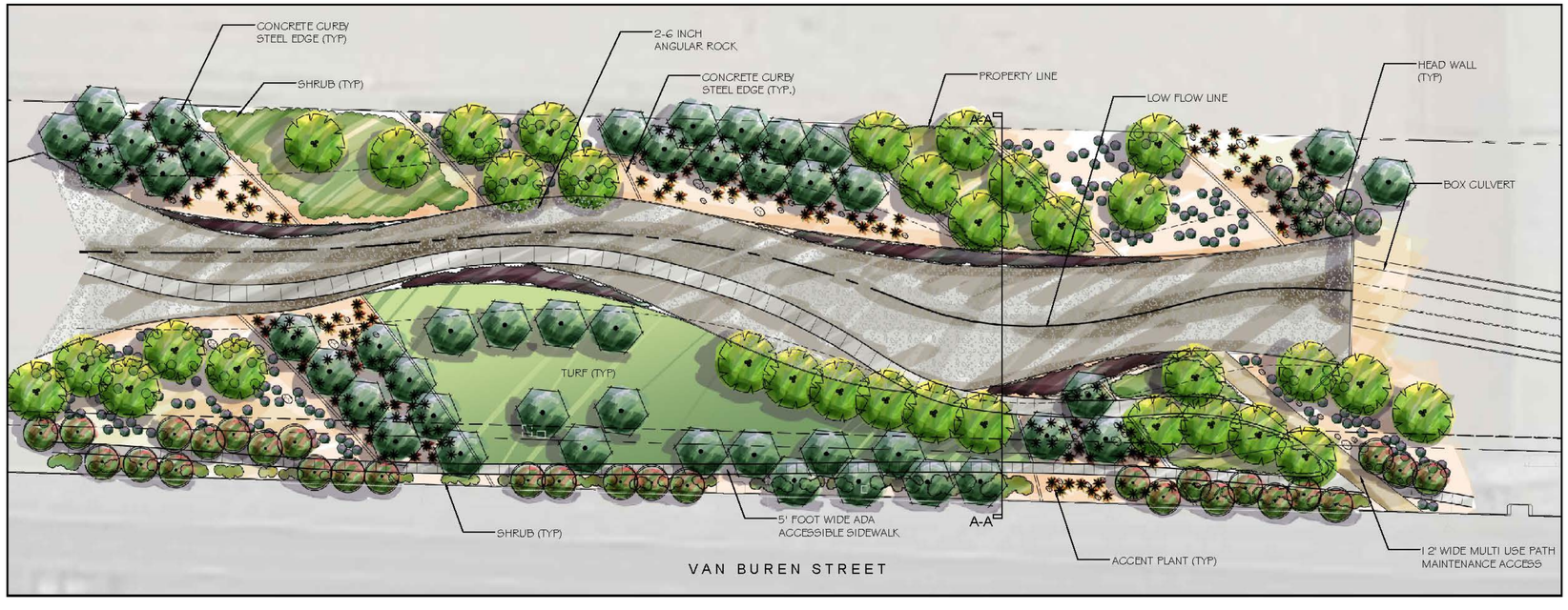
EL MIRAGE ROAD TO 103RD AVENUE

CHANNEL DATA					
	SLOPE	DEPTH	BOTTOM	TYP TOTAL WIDTH	R/W WIDTH
CHANNEL 3	0.06%	3	90'	174'	180'
CHANNEL 2	0.21%	3	50'	134'	130'
CHANNEL 1B	0.45%	3	30'	114'	130', 150'
CHANNEL 1A	0.18%	2.2	10	94'	130'

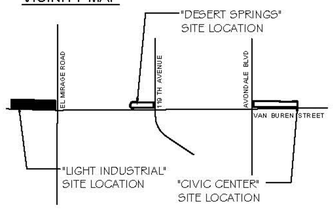
2801 West Durango Street, Phoenix, Arizona 85009, (602) 506-1501

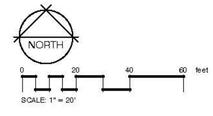
Van Buren Street 99th to Agua Fria River

Light Industrial Concept Plan



VICINITY MAP





TREES

SYMBOL	BOTANICAL NAME	COMMON NAME
	PARKINSONIA x 'SONORAN EMERALD'	THORNLESS SONORAN EMERALD PALO VERDE
	OLNEYA TESOTA	IRONWOOD
	PROSOPIS x 'PHOENIX'	HYBRID PHOENIX MESQUITE
	DALBERGIA SISSOO	SISSOO TREE
	PITHECELLOBIUM FLEXICAULE	TEXAS EBONY
	VITEX AGNUS CASTUS	CHASTE TREE
	ACACIA FARNESIANA	SWEET ACACIA
	CHILOPSIS LINEARIS	DESERT WILLOW
	PISTACIA x 'RED PUSH'	CHINESE PISTACHE

SHRUBS

SYMBOL	BOTANICAL NAME	COMMON NAME
	BOUGAINVILLEA SPP.	BOUGAINVILLEA
	DODONAEA VISCOSA	HOP BUSH
	EREMOPHILA MACULATA 'VALENTINE'	VALENTINE EMU BUSH
	JUSTICIA SPICIGERA	MEXICAN HONEYSUCKLE
	MUHLENBERGIA CAPILLARIS 'REGAL MIST'	REGAL MIST
	NOLINA MICROCARPA	BEAR GRASS
	RUELLIA BRITTONIANA	BRITISH RUELLIA
	TECOMA STANS 'GOLD STAR'	GOLD STAR YELLOW BELLS

ACCENTS

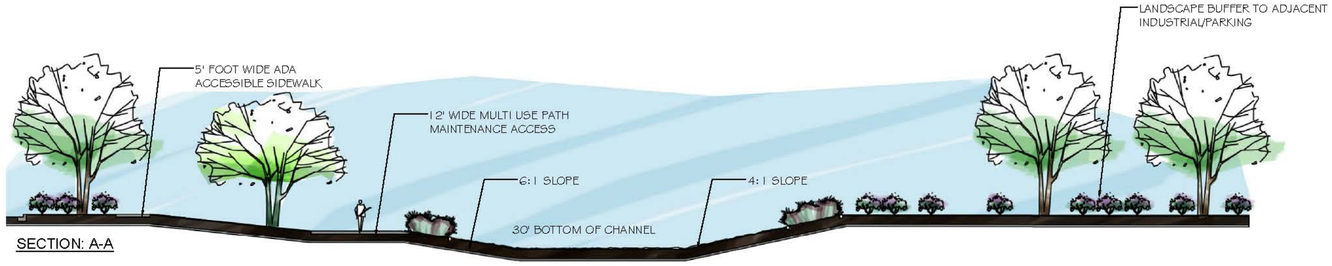
SYMBOL	BOTANICAL NAME	COMMON NAME
	AGAVE SPP.	AGAVE
	ALOE VERA	MEDICINAL ALOE
	DASYLIRION WHEELERI	DESERT SPOON
	HESPER ALOE PARVIFLORA	RED YUCCA
	ECHINOCACTUS GRUSONII	GOLDEN BARREL CACTUS
	OPUNTIA BASILARIS	BEAVERTAIL PRICKLY PEAR
	PACHYCEREUS MARGINATUS	MEXICAN FENCE POST

GROUND COVERS

BOTANICAL NAME	COMMON NAME
ACACIA REDOLENS 'DESERT CARPET'	TRAILING ACACIA
DALEA CAPITATA	LEMON DALEA
TETRANEURIS ACAULIS	ANGELITA DAISY
LANTANA 'GOLD MOUND'	GOLD MOUND LANTANA
LANTANA MONTEVENDENSIS 'TRAILING PURPLE'	PURPLE LANTANA

INERT MATERIALS

BOTANICAL NAME	COMMON NAME
BOULDER, PIT-RUN, ANGULAR FACES	
ROCK MULCH, 3/4" MINUS	EXPRESS GOLD
ANGULAR RIP RAP SIZED BY CIVIL	EXPRESS GOLD



SECTION: A-A

CHARACTER IMAGES

LOGAN SIMPSON DESIGN INC.

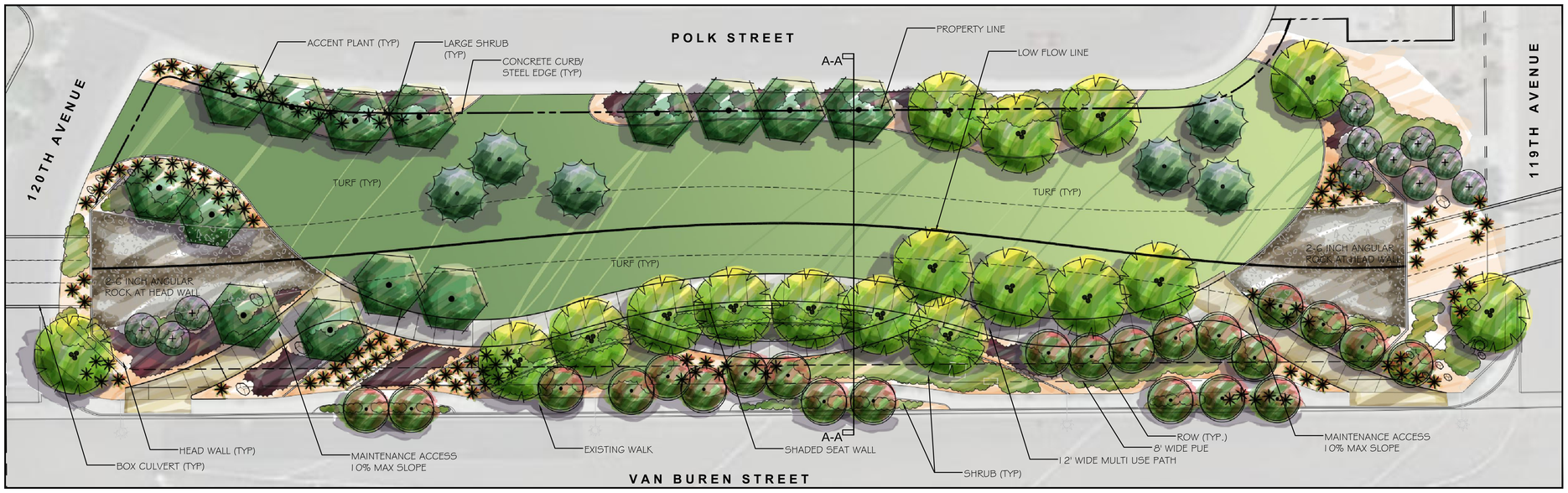
SUNRISE ENGINEERING

Flood Control District of Maricopa County

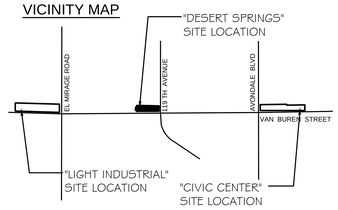
City of Avondale

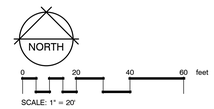
Van Buren Street 99th to Agua Fria River

Desert Springs Concept Plan



VICINITY MAP





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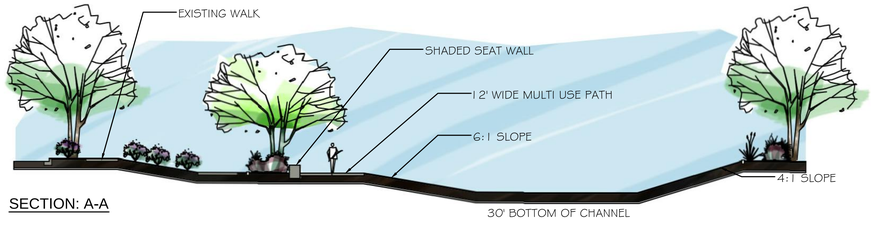

SECTION: A-A

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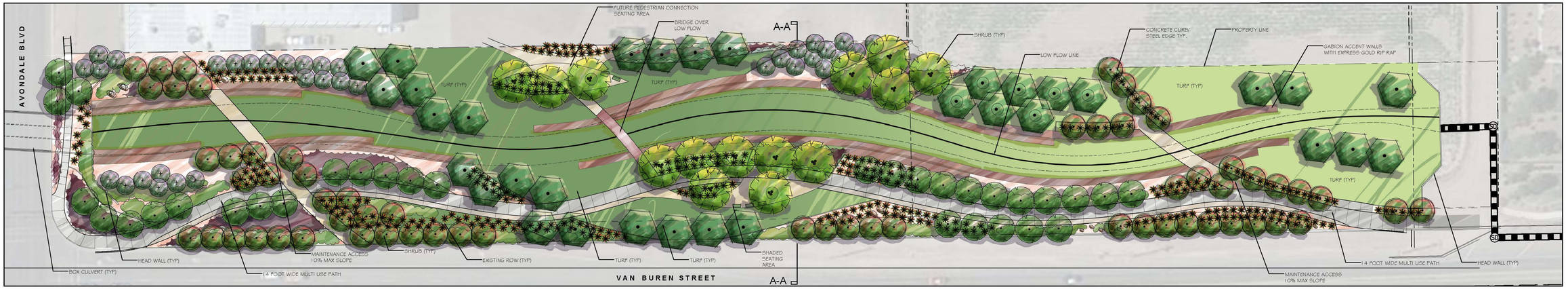
Logan Simpson Design Inc.

SUNRISE ENGINEERING

Van Buren Street 99th to Agua Fria River

Civic Center Concept Plan



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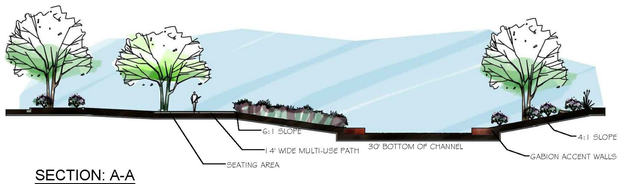
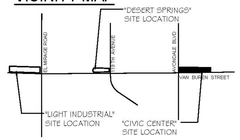
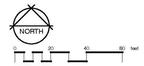


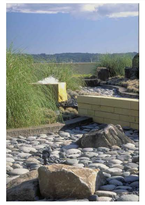
SECTION: A-A

VICINITY MAP



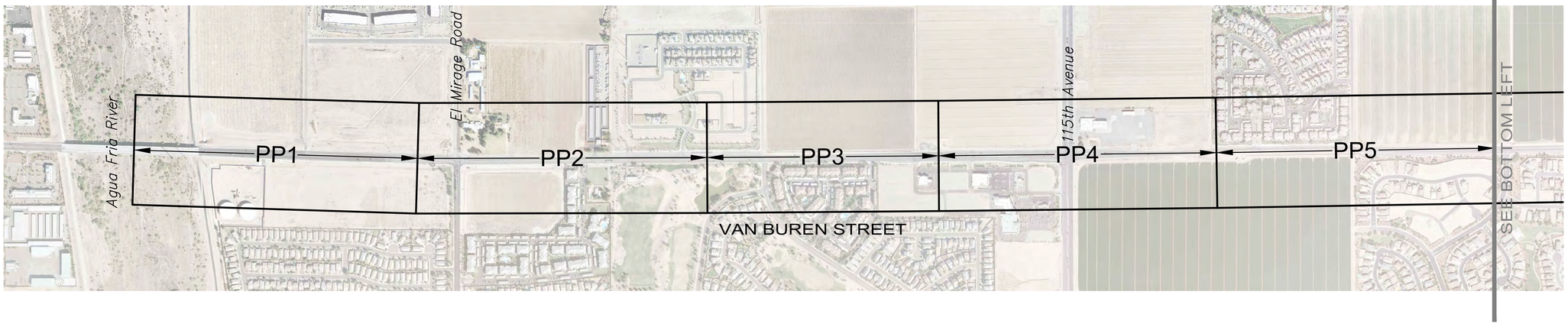


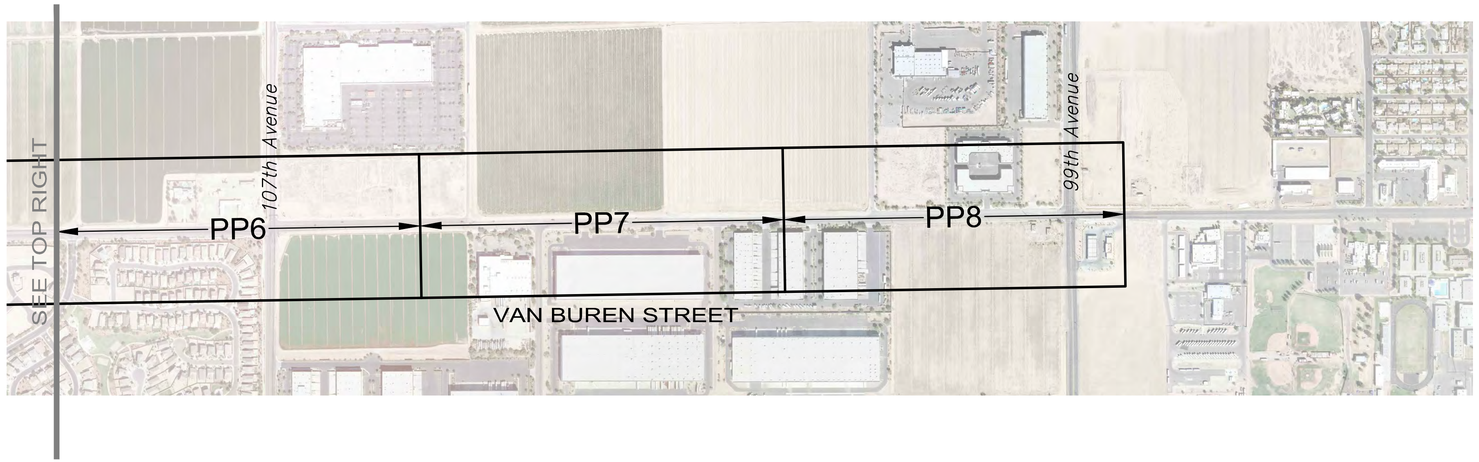
CHARACTER IMAGES



Logan Simpson Design Inc.

SUNRISE ENGINEERING





SCALE
0 500' 1000'
HORIZ: 1" = 500'

Know what's **below.** **Call** before you dig. 1-800-782-5348

REV NO.	COMMENT	DATE

Registered Professional Engineer (Civil) CERTIFICATE NO. 43301 Ricky M. Holston Date Signed ARIZONA, U.S.A. Expires 9/30/14

SUNRISE ENGINEERING
2152 SOUTH VINEYARD, SUITE 123
MESA, ARIZONA 85210
TEL 480.768.8600 · FAX 480.768.8609
www.sunrise-eng.com

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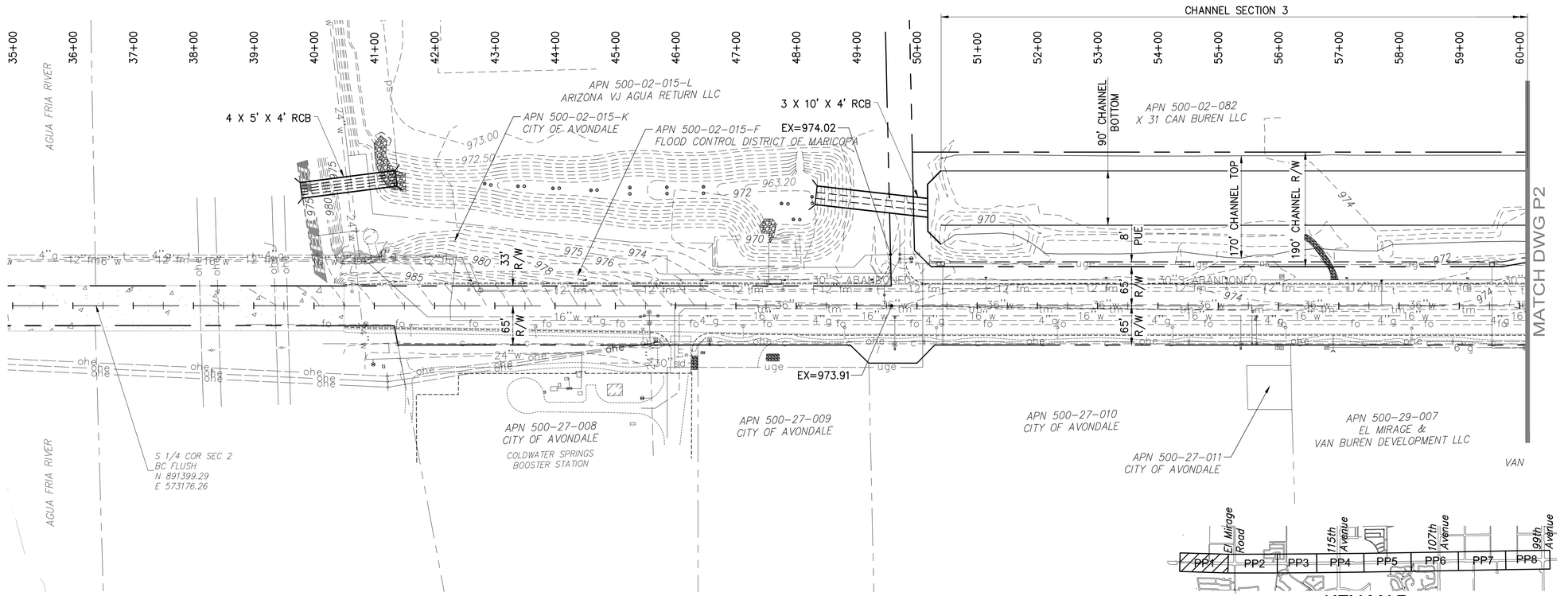
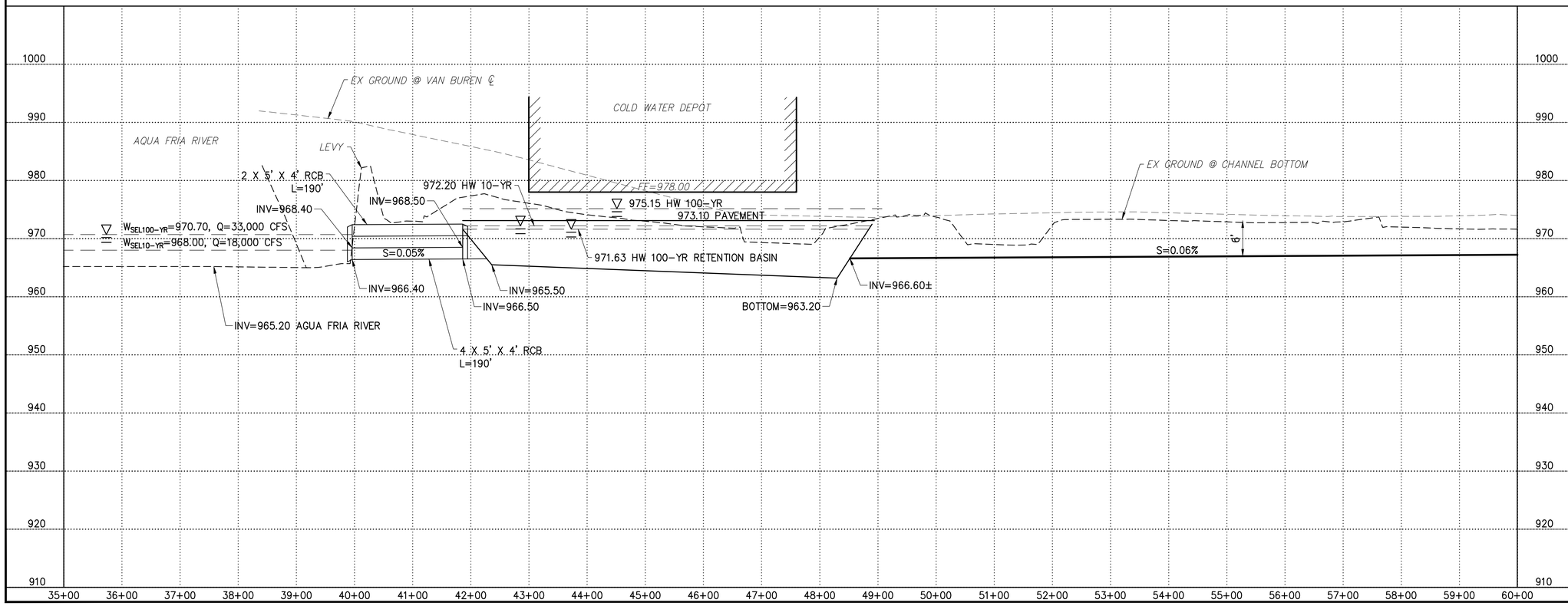


VAN BUREN STREET

KEY MAP



NOTE:

ALL UTILITY LOCATIONS PER UTILITY PROVIDER RECORD DRAWINGS. DEPTHS ASSUMED.

THE TOPOGRAPHIC INFORMATION SHOWN IS BASED ON THE AUGUST 2012 SURVEY OF THE NORTH HALF OF VAN BUREN BY SUNRISE ENGINEERING. SOUTH HALF SURFACE IMPROVEMENTS WERE MANUALLY DIGITIZED FROM THE 2009 COUNTY AERIAL PHOTOS.

SCALE
0 100' 200'
HORIZ: 1" = 100'
VERT: 1" = 10'

Flood Control District of Maricopa County

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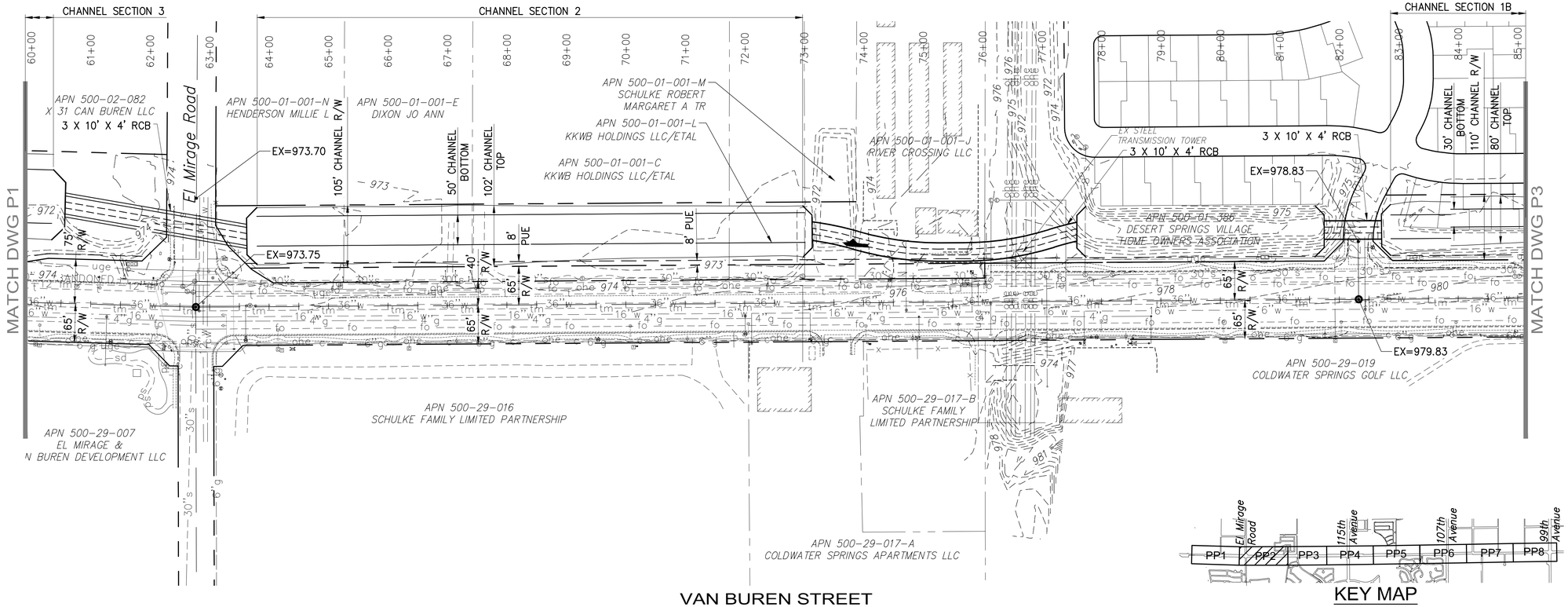
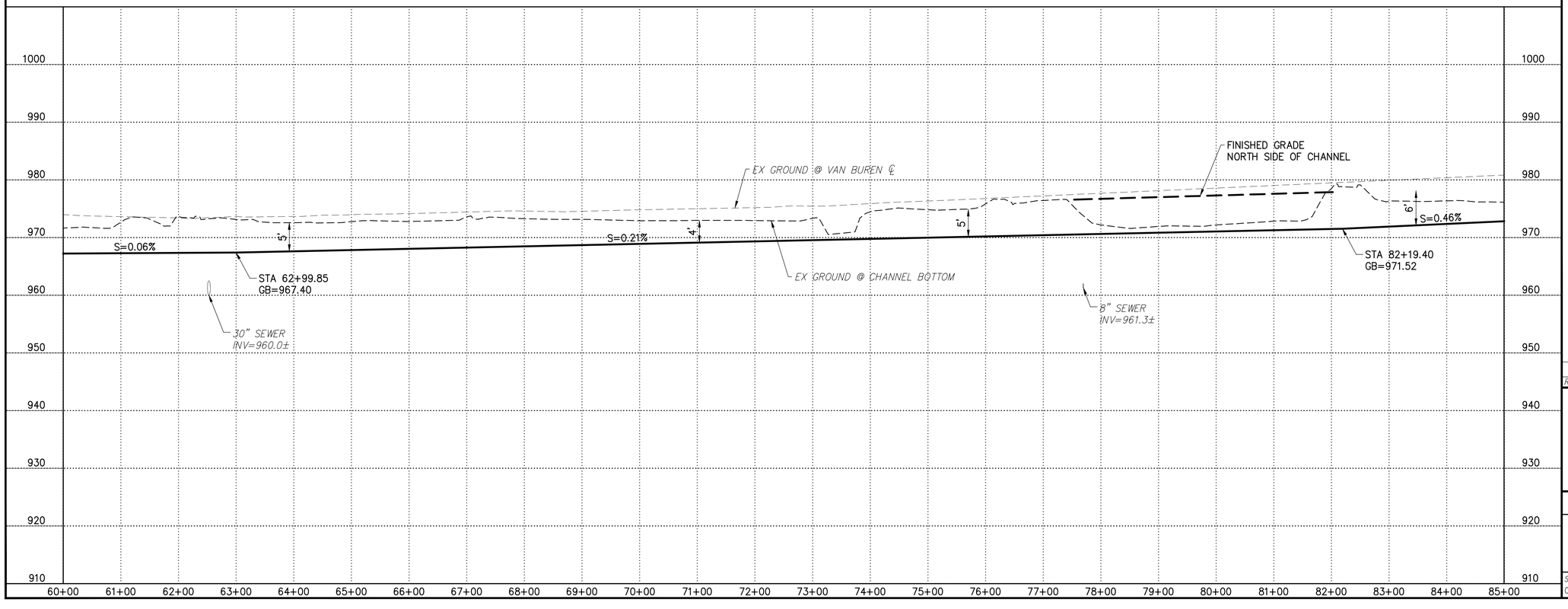


KEY MAP



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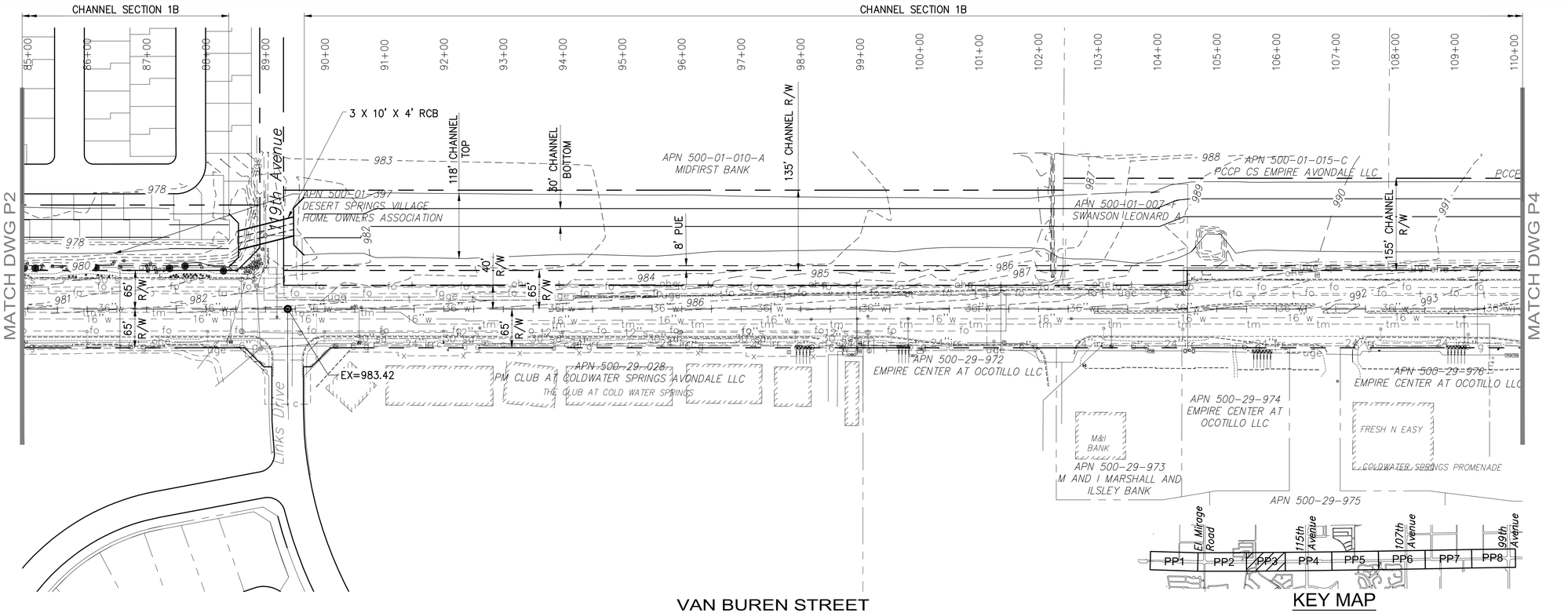

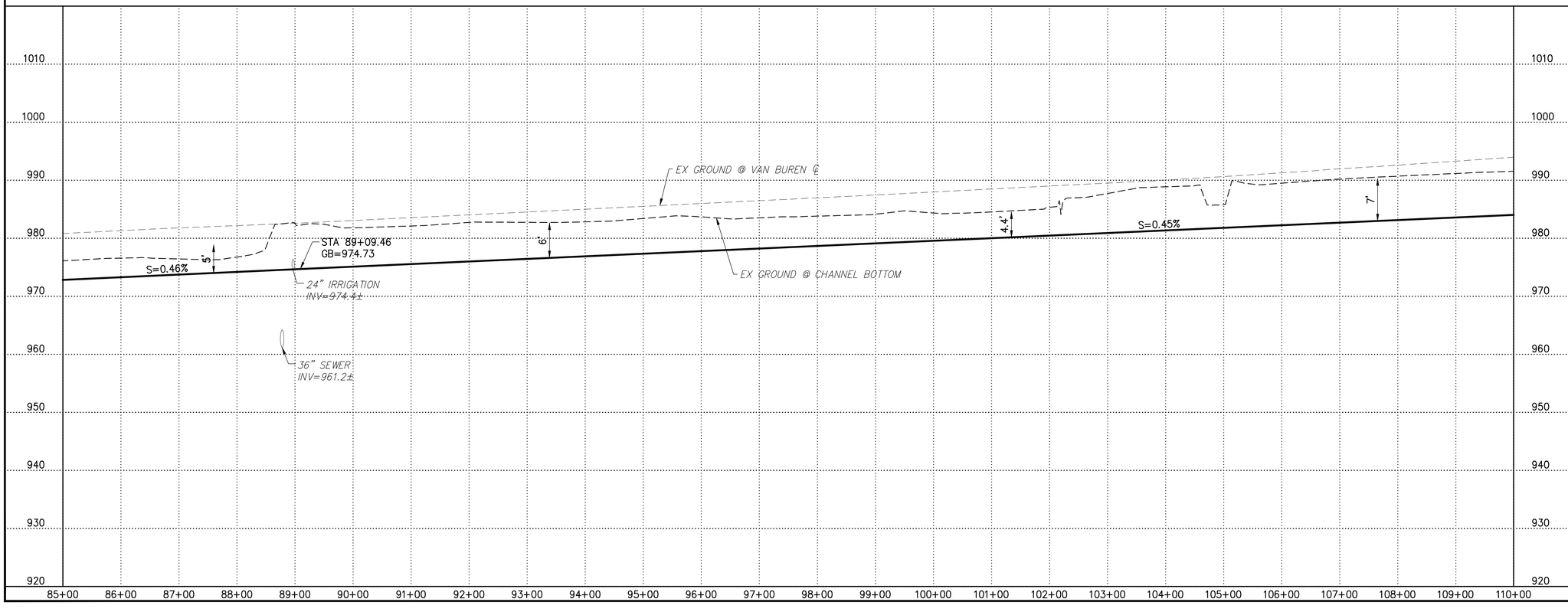

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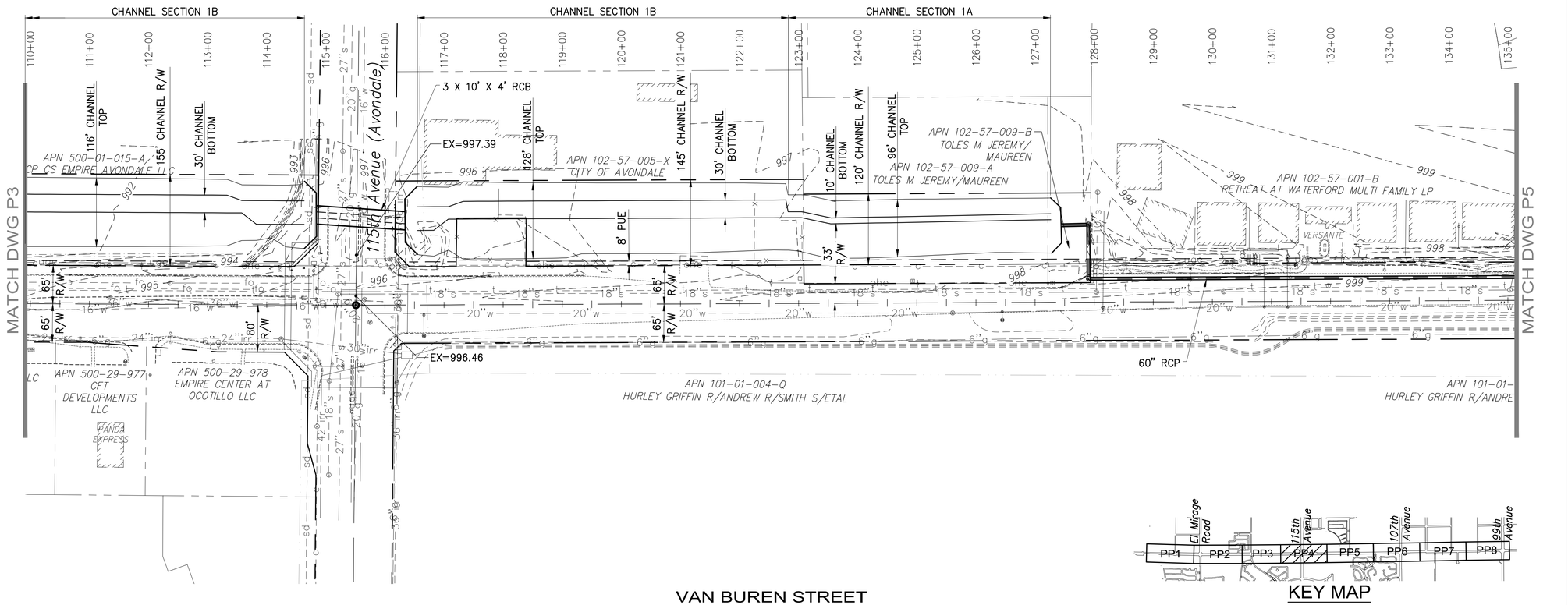
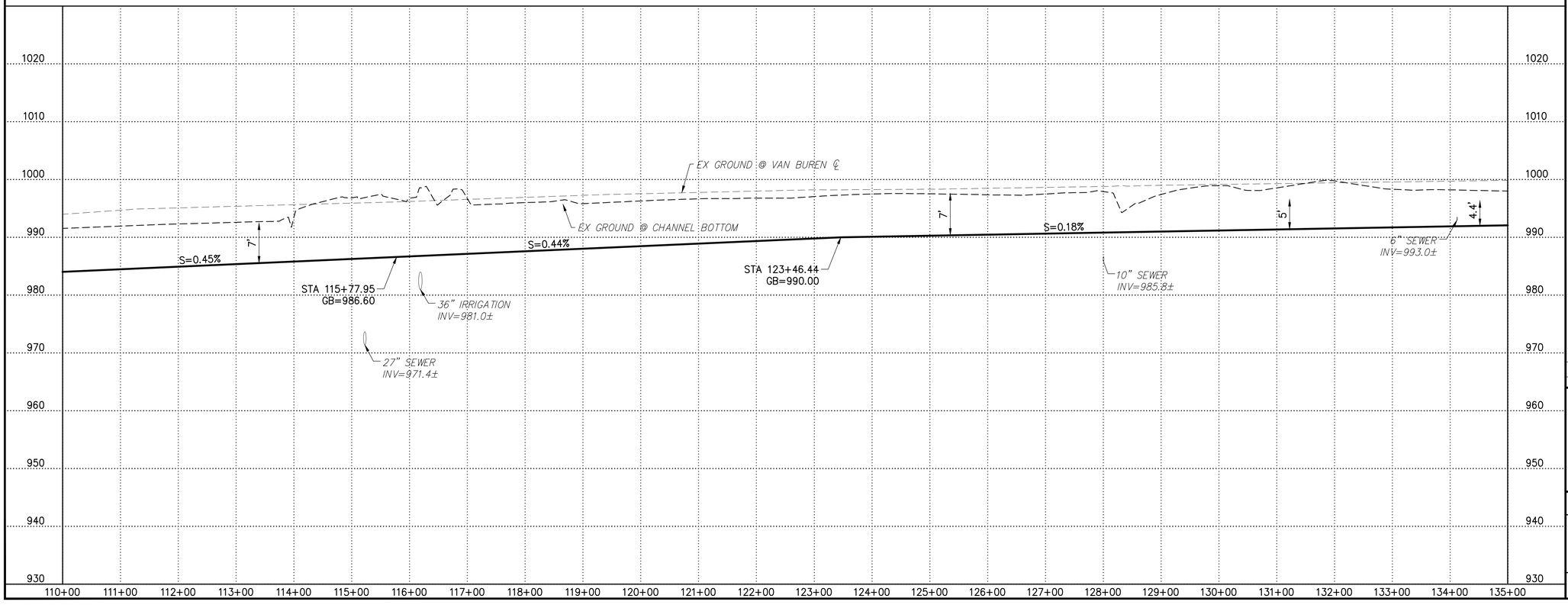


VAN BUREN STREET

KEY MAP



NORTH

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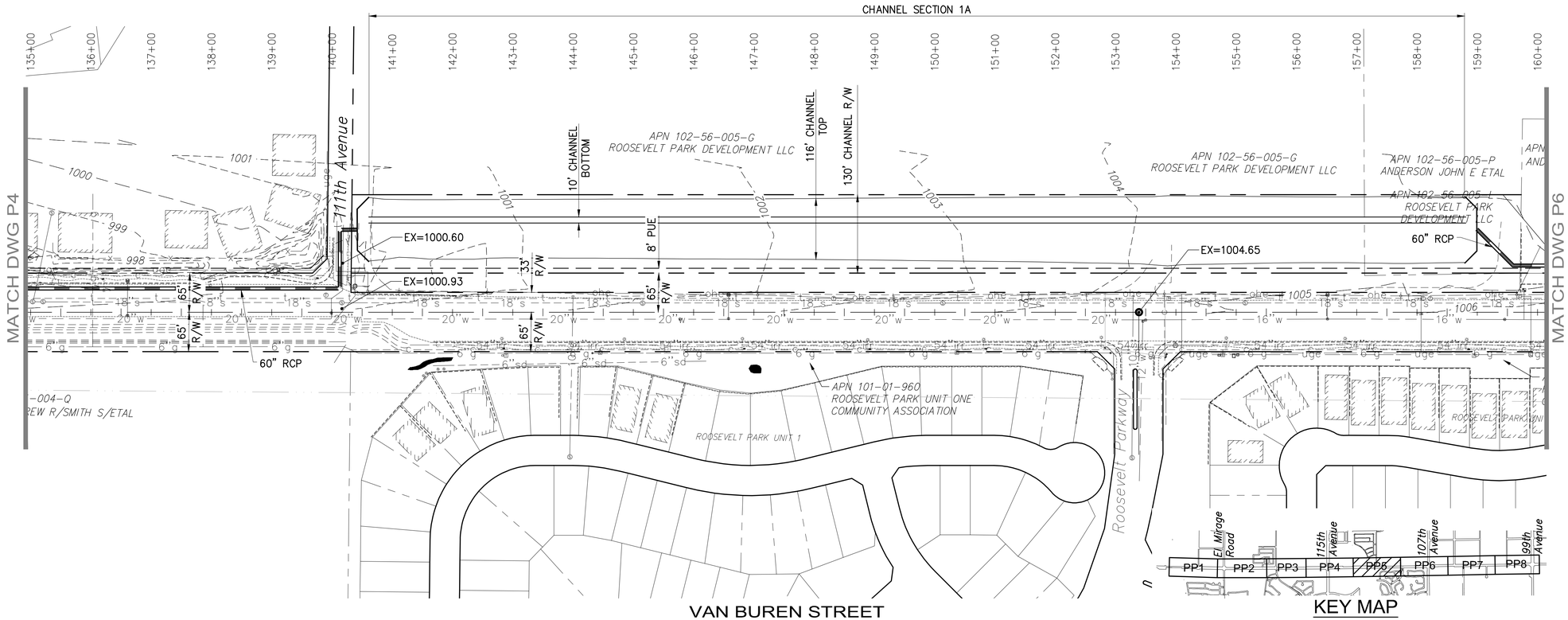
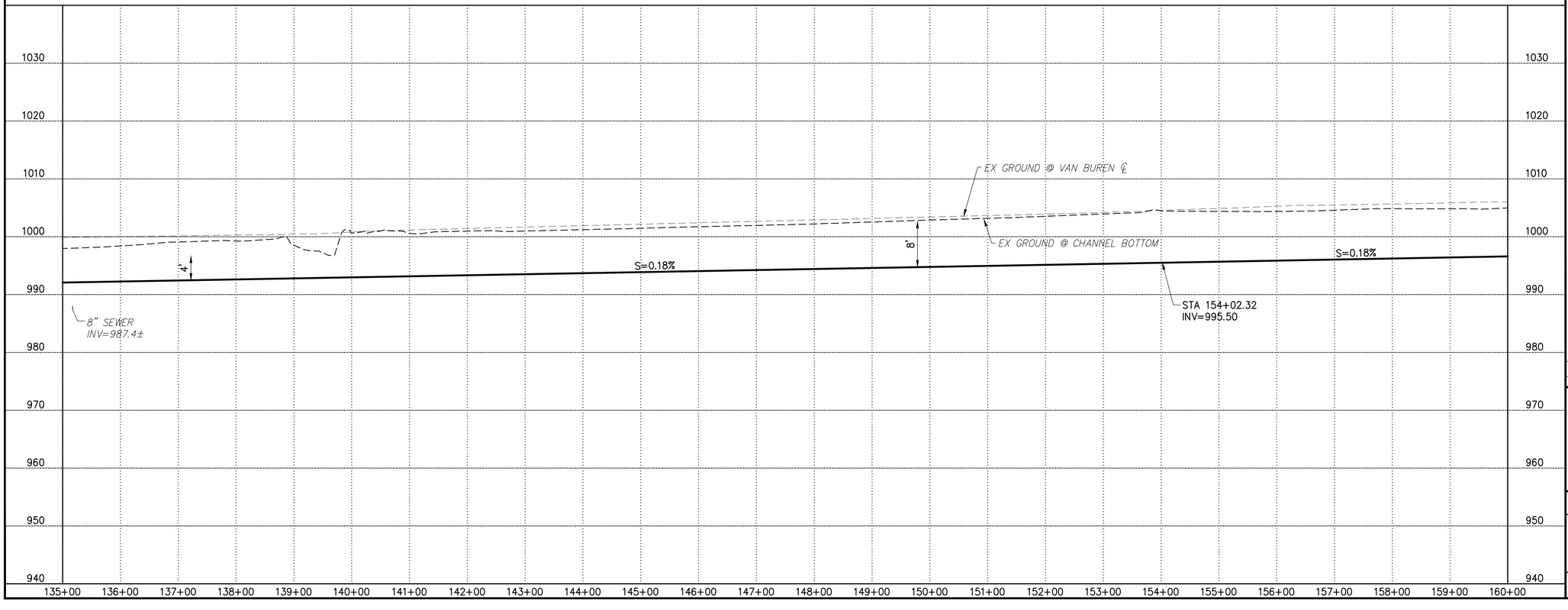
CHANNEL SECTION 1A





NOTE:

ALL UTILITY LOCATIONS PER UTILITY PROVIDER RECORD DRAWINGS. DEPTHS ASSUMED.

THE TOPOGRAPHIC INFORMATION SHOWN IS BASED ON THE AUGUST 2012 SURVEY OF THE NORTH HALF OF VAN BUREN BY SUNRISE ENGINEERING. SOUTH HALF SURFACE IMPROVEMENTS WERE MANUALLY DIGITIZED FROM THE 2009 COUNTY AERIAL PHOTOS.

SCALE
0 100' 200'
HORIZ: 1" = 100'
VERT: 1" = 10'

Flood Control District of Maricopa County

811 Know what's **below.** **Call** before you dig. 1-800-782-5348

REV NO.	COMMENT	DATE

Registered Professional Engineer (Civil) CERTIFICATE NO. 43301 Ricky M. Holston Date Signed ARIZONA, U.S.A. Expires 9/30/14

SUNRISE ENGINEERING
2152 SOUTH VINEYARD, SUITE 123
MESA, ARIZONA 85210
TEL 480.768.8600 · FAX 480.768.8609
www.sunrise-eng.com

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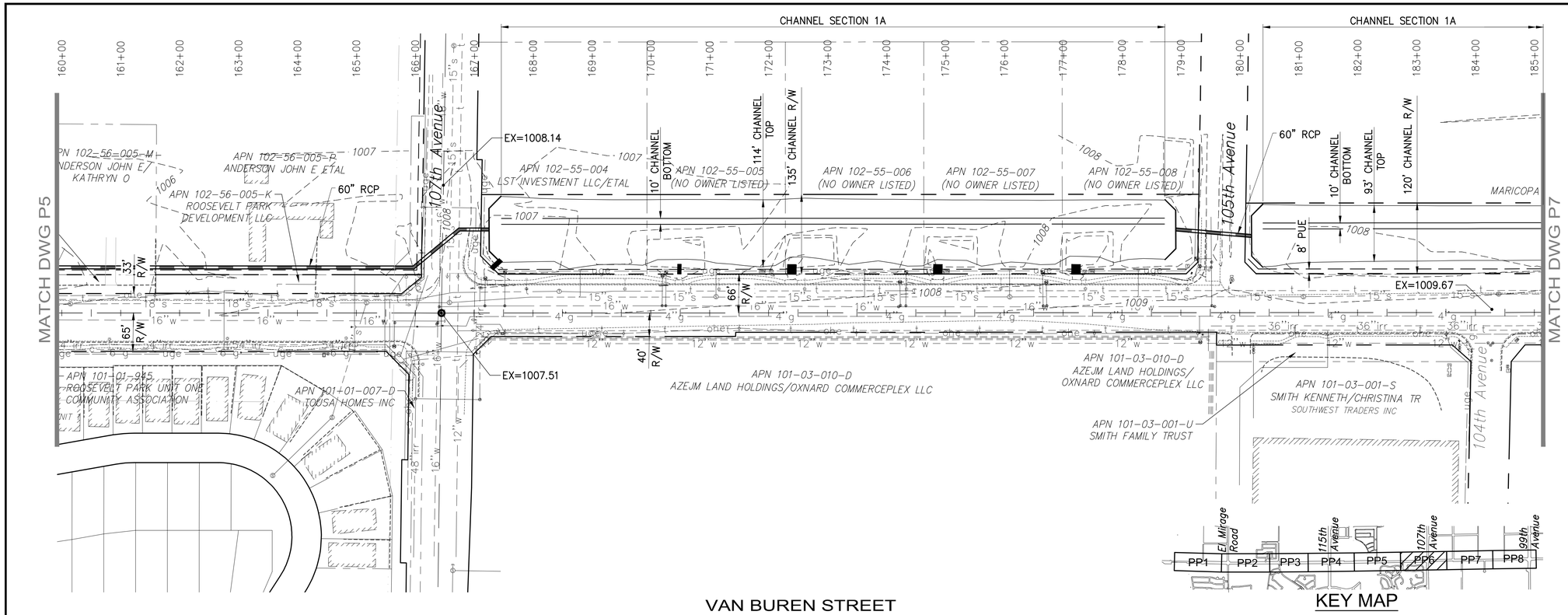
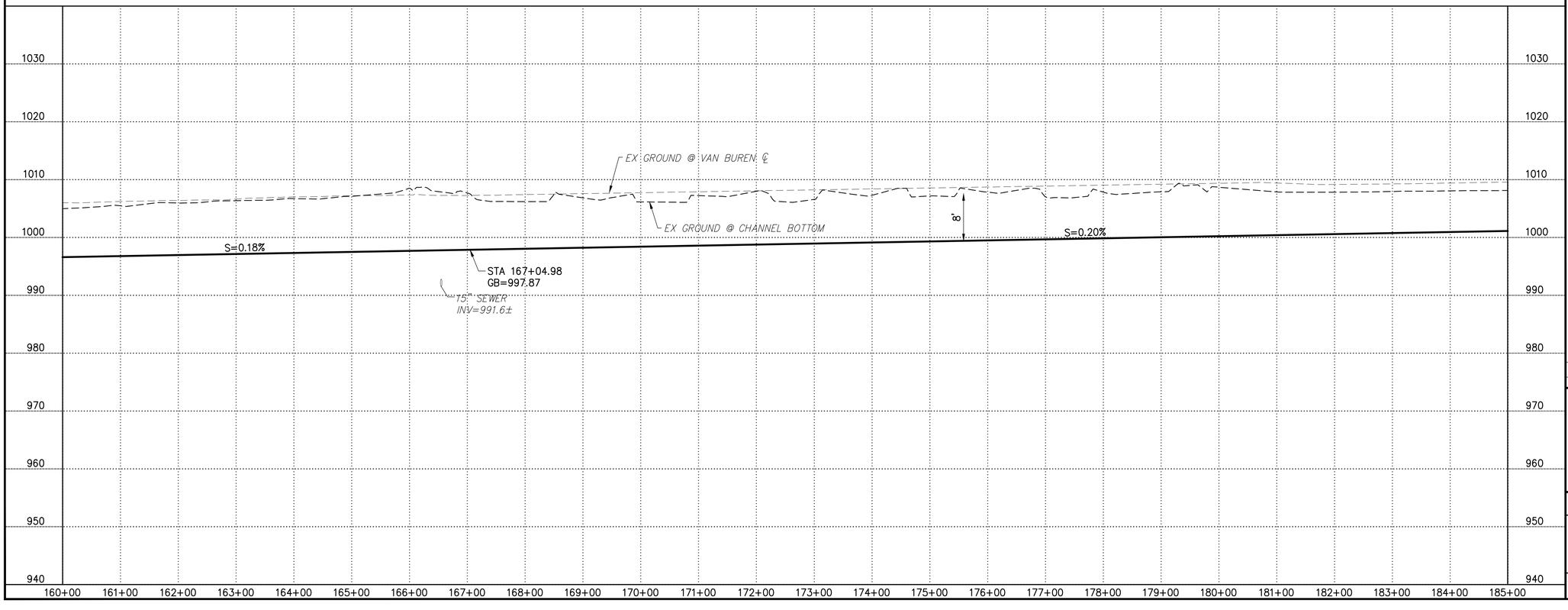


VAN BUREN STREET

KEY MAP



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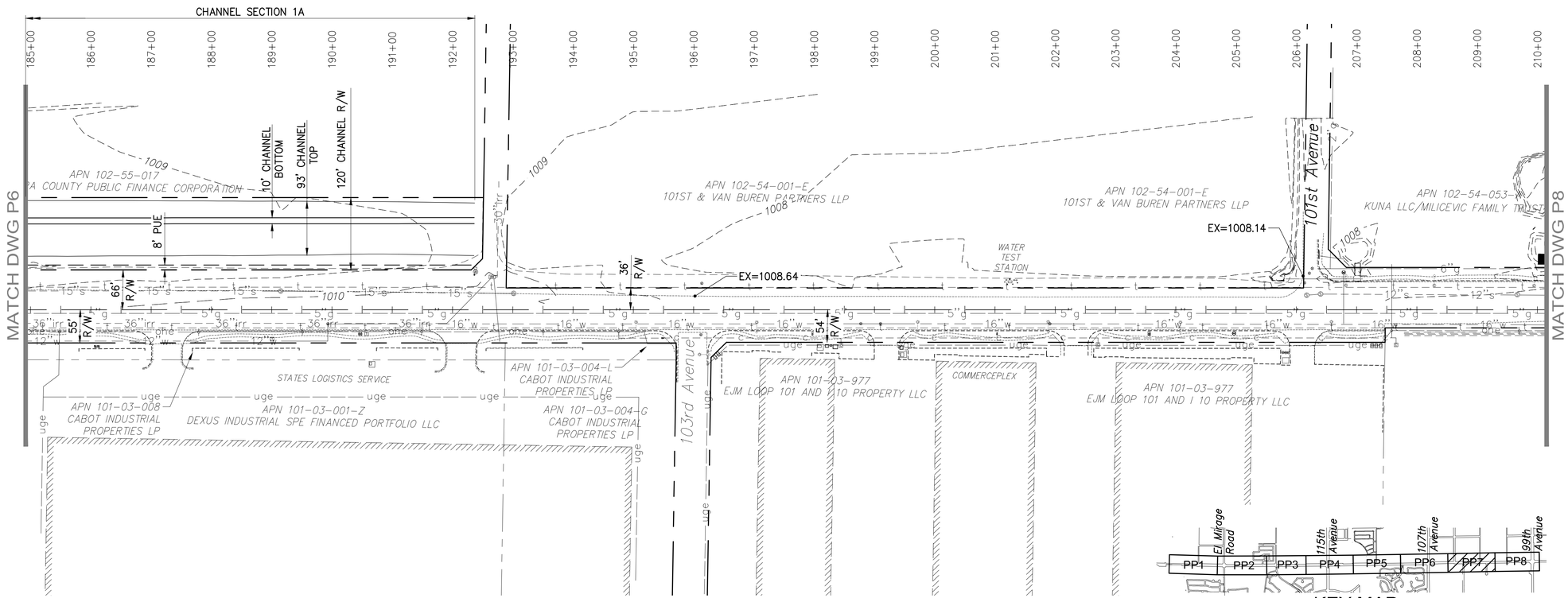

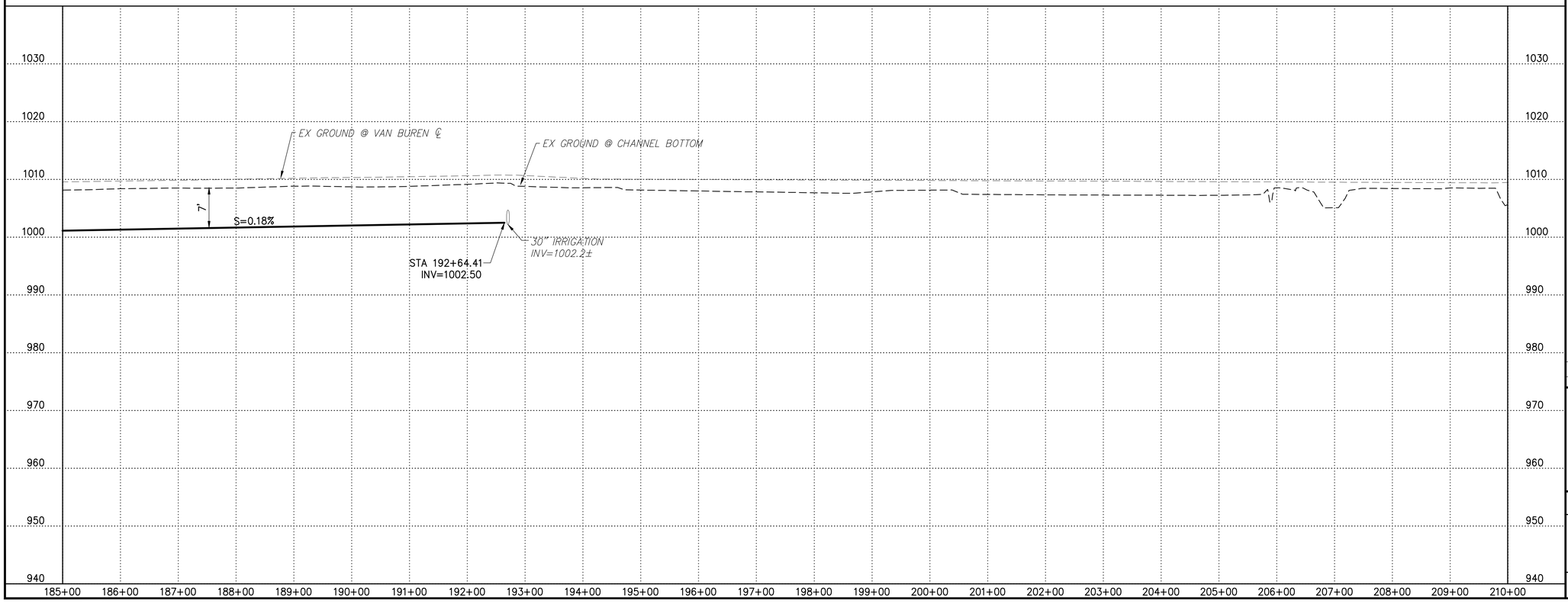

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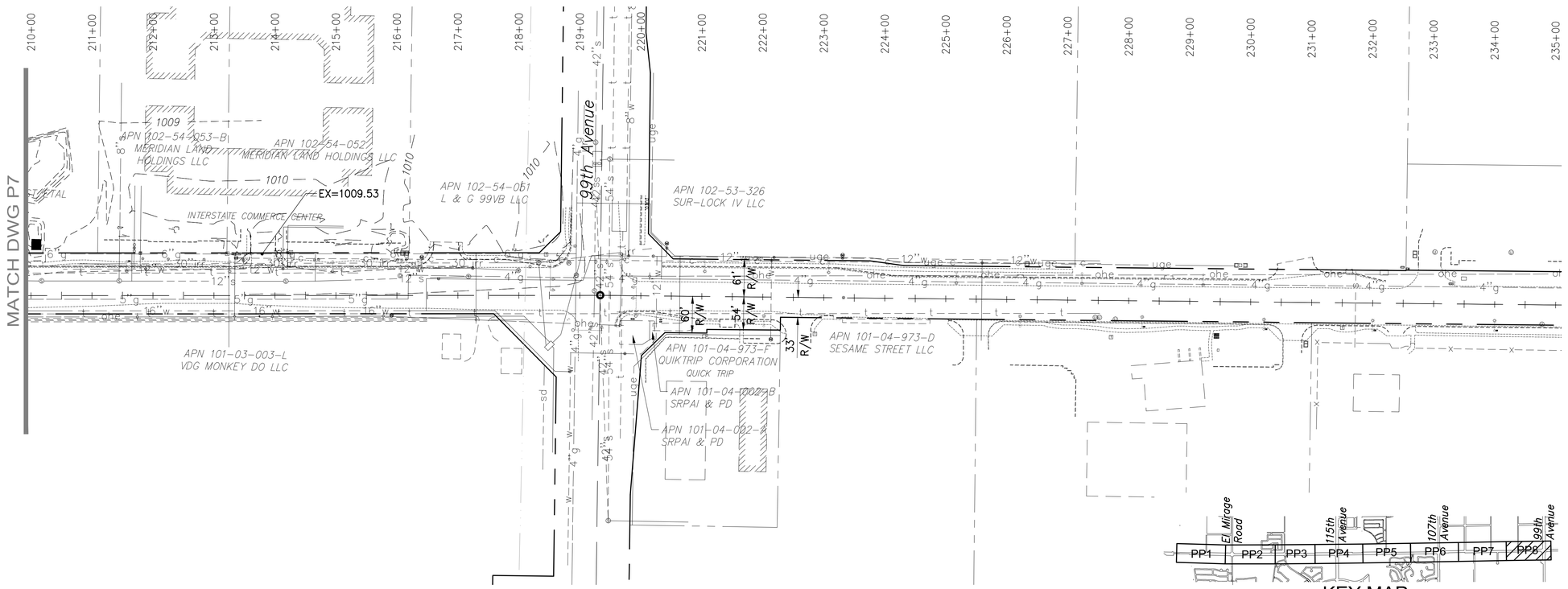
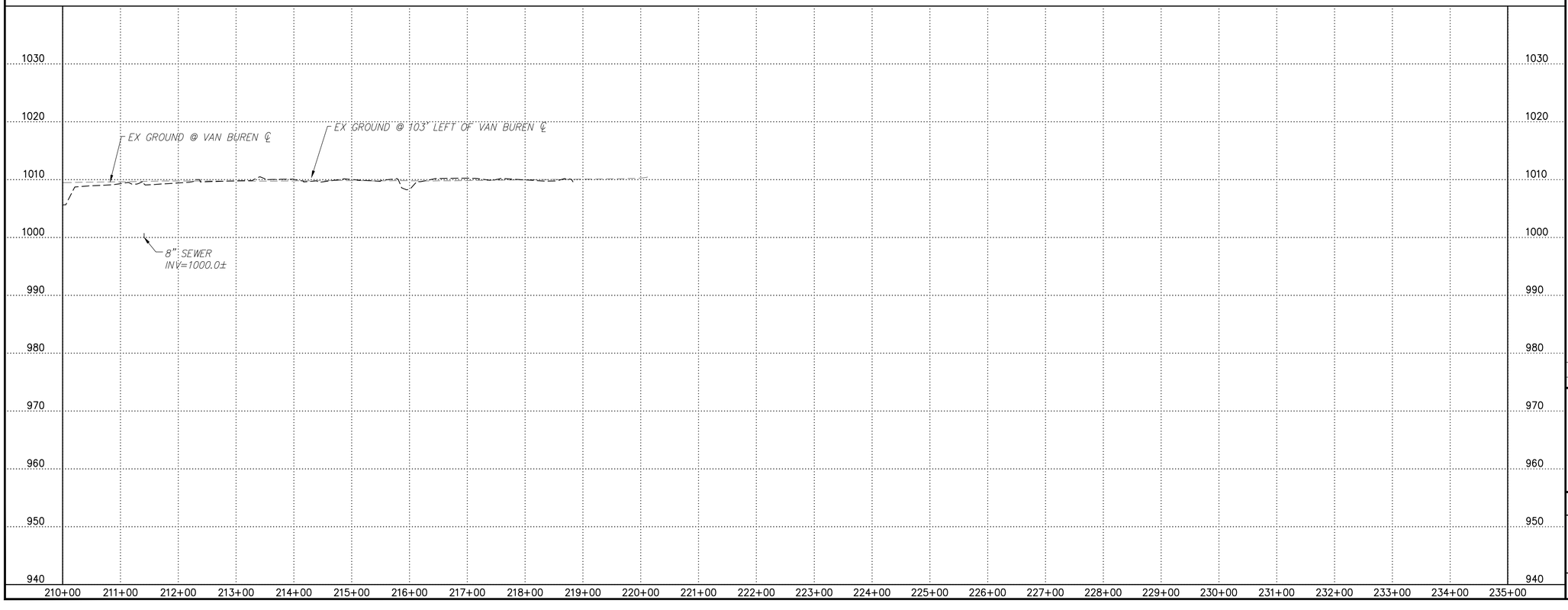


KEY MAP



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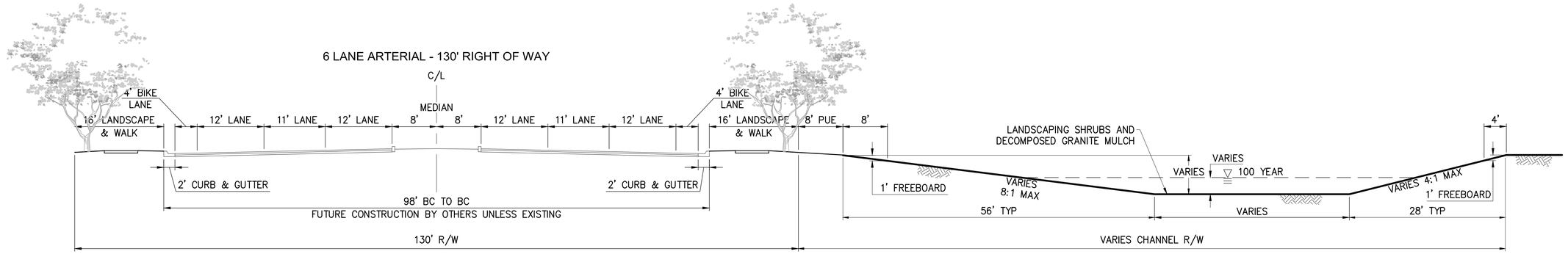

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SECTION - VAN BUREN STREET

NOT TO SCALE

EL MIRAGE ROAD TO 103RD AVENUE

CHANNEL DATA					
	SLOPE	DEPTH	BOTTOM	TYP TOTAL WIDTH	R/W WIDTH
CHANNEL 3	0.06%	3	90'	174'	180'
CHANNEL 2	0.21%	3	50'	134'	130'
CHANNEL 1B	0.45%	3	30'	114'	130', 150'
CHANNEL 1A	0.18%	2.2	10	94'	130'

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