CITY OF ALBUQUERQUE, NEW MEXICO

DEPARTMENT OF MUNICIPAL DEVELOPMENT CONSTRUCTION PLANS

FOR

UNSER BOULEVARD RECONSTRUCTION

FREDERICK LANE TO SARACINO PLACE

STA. 9+50.31 TO STA. 26+72.14

COA PROJECT NO. 4383.91

FEDERAL CONTROL NO. A302050

DECEMBER 16, 2016

VICINITY MAP

ZONE ATLAS MAPS

J-09-Z, J-10-Z, K-09-Z & K-10-Z

UTILITY COMPANIES

ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY
(WATER SERVICES & WATER LINES)
1 CIVIC PLAZA 5TH FLOOR, P.O. BOX 568
ALBUQUERQUE, NM 87103
CONTACT: JOHN GABALDON, P.E.
PHONE: (505) 289-3086
EMAIL: jgabalon@abcwua.org

CENTURY LINK
(TELEPHONE SERVICES)
4301 BOGAN AVENUE NE
ALBUQUERQUE, NM 87107
CONTACT: ABDUL BHIYAN
PHONE: (505) 767-7443
EMAIL: abdul.bhiyan2@centurylink.com

COMCAST
(CABLE TELEVISION)
8440 WASHINGTON STREET NE
ALBUQUERQUE, NM 87013
CONTACT: MIKE MORTUS
PHONE: (505) 271-3644
EMAIL: mike_mortus@cable.comcast.com

NEW MEXICO GAS COMPANY
(GAS SERVICES & GAS LINES)
4625 EDITH BLVD NE
ABLUQUERQUE, NM 87107
CONTACT: JENNIFFER DeGREEFF
PHONE: (505) 263-1561
EMAIL: JLDeGreef@tecoenergy.com

PUBLIC SERVICE COMPANY OF NM
(ELECTRICAL SERVICES & ELECTRIC LINES)
4201 EDITH BLVD NE
ALBUQERUQE, NM 87107
CONTACT: PAUL DUNAGAN
PHONE: (505) 241-3626
EMAIL: paul.dunagan@pnm.com

TIME WARNER TELECOM
(CABLE TELEVISION)
5411 JEFFERSON ST NE SUITE #200
ALBUQERUQE, NM 87107
CONTACT: ROYAL HARRISON
PHONE: (505) 938-7339
EMAIL:

VERIZON
(TELEPHONE SERVICES)
6001 MIDWAY PARK
ALBUQUERQUE, NM 87109
CONTACT: ANDY DARNELL
PHONE: (505) 346-4470
EMAIL: andy.darnell@verizon.com
CONTACT: MATT STURGIS
PHONE: (505) 715-1460
EMAIL: m.sturgis@verizon.com

TRAFFIC NOTES

1. THE CONTRACTOR SHALL RESTRICT LANE CLOSURES TO BETWEEN THE HOURS OF 9:00 AM AND 3:00 PM.
2. IF THE CONTRACTOR MUST MAINTAIN A LANE CLOSED TO TRAFFIC AT THE END OF THE EXPECTED WORK SHIFT DUE TO A SAFETY CONCERN, THEN THE CONTRACTOR MUST CONTINUOUSLY WORK ON A 24-HOUR PER DAY BASIS UNTIL ALL LANES ARE OPENED TO TRAFFIC.
3. THE CONTRACTOR SHALL ACCOMPLISH AS MUCH WORK AS POSSIBLE PRIOR TO STARTING CONSTRUCTION OPERATIONS THAT WILL AFFECT TRAFFIC . THE CONTRACTOR SHALL PROVIDE A LISTING OF SUCH WORK TO THE CITY PROJECT MANAGER AND ENGINEER FOR APPROVAL PRIOR TO STARTING CONSTRUCTION OPERATIONS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL TRAFFIC AND CONSTRUCTION SIGNAGE UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY OF ALBUQUERQUE.

Know what's below. Call before you dig.
TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

Designed By:
HUITT-ZOLLARS
Huitt-Zollars, Inc. Albuquerque
6501 Americas Parkway, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

ENGINEERS STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE	*************
PRELIMINARY NOT FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES. FOR REVIEW ONLY. SCOTT A. EDDINGS 12856 Date: 12/16/16 HUITT-ZOLLARS, INC. Consulting Engineers	DRC Chairman			APPROVED FOR CONSTRUCTION City Engineer Date
	Transportation			
	Water/Wastewater			
	Hydrology			
	C.I.P.			
	Constr. Mngmt.			
	Constr. Coord.			
	AEHD			
	City Project No. 4383.91			Sheet 1 Of 77

60% SUBMITTAL

CONTROL NO. A302050

SHEET 1–1

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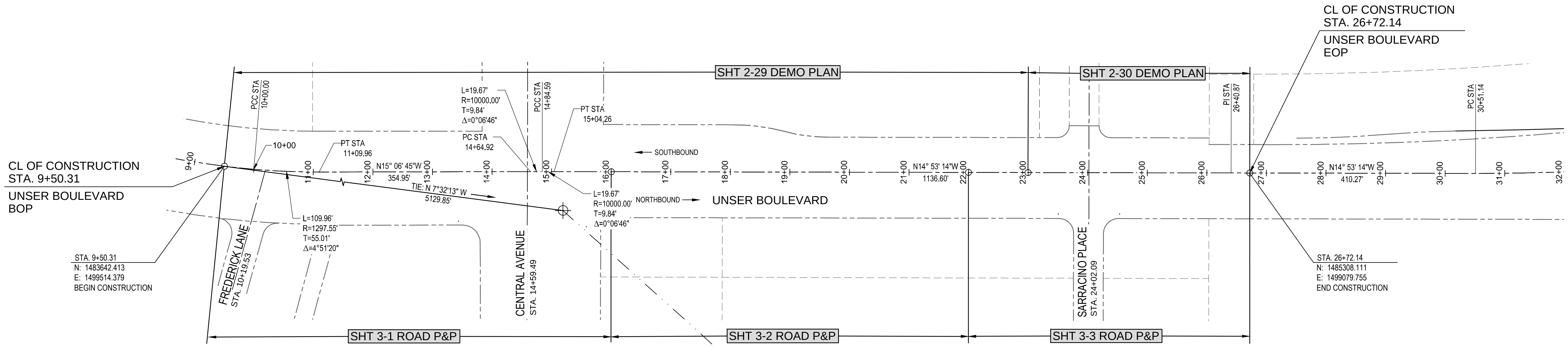
Last Saved:1/9/2017 5:23:45 PM, seddings



CONTROL STATION DATA

"7-K10"
N.M. STATE PLANE COORDINATES
N=1,483,739.165 E=1,498,962.651
CENTRAL ZONE NAD 1983
MAPPING ANGLE = -00°16'18.49"
GRID TO GROUND = 0.999683006
ELEV. = 5097.854 (NAVD 1988)

SCALE: 1" = 100'

INDEX OF DRAWINGS

SHEET NUMBER		SHEET TITLE	DESCRIPTION	BEGIN STATION	END STATION
1	1-1	COVER SHEET		--	--
2	1-2	GEOMETRIC & HORIZONTAL CONTROL & INDEX OF DRAWINGS	UNSER BOULEVARD	STA. 10+00.00	STA. 26+72.14
3	1-3	GEOMETRIC & HORIZONTAL CONTROL	CENTRAL AVENUE	STA. 7+00.00	STA. 25+71.49
4	1-4	SYMBOL LEGEND, ABBREVIATIONS & INCIDENTALS		--	--
5	1-5	GENERAL NOTES		--	--
6	1-6	SUMMARY OF QUANTITIES		--	--
7	1-7	ENVIRONMENTAL NOTES		--	--
8	2-1	EXISTING TYPICAL SECTIONS	UNSER BOULEVARD	--	--
9	2-2	EXISTING TYPICAL SECTIONS	CENTRAL AVENUE	--	--
10	2-3	PROPOSED TYPICAL SECTIONS	UNSER BOULEVARD	--	--
11	2-4	PROPOSED TYPICAL SECTIONS	UNSER BOULEVARD	--	--
12	2-5	PROPOSED TYPICAL SECTIONS	UNSER BOULEVARD	--	--
13	2-6	PROPOSED TYPICAL SECTIONS	UNSER BOULEVARD	--	--
14	2-7	PROPOSED TYPICAL SECTIONS	UNSER BOULEVARD	--	--
15	2-8	PROPOSED TYPICAL SECTIONS	UNSER BOULEVARD	--	--
16	2-9	PROPOSED TYPICAL SECTIONS	UNSER BOULEVARD	--	--
17	2-10	PROPOSED TYPICAL SECTIONS	CENTRAL AVENUE	--	--
18	2-11	PROPOSED TYPICAL SECTIONS	CENTRAL AVENUE	--	--
19	2-12	PROPOSED TYPICAL SECTIONS	CENTRAL AVENUE	--	--
20	2-13	PROPOSED TYPICAL SECTIONS	CENTRAL AVENUE	--	--
21	2-14	PROPOSED TYPICAL SECTIONS	CENTRAL AVENUE	--	--
22	2-15	SURFACING SCHEDULE		--	--
23	2-16	STRUCTURE QUANTITIES		--	--
24	2-17	MISCELLANEOUS QUANTITIES		--	--
25	2-18	MISCELLANEOUS QUANTITIES		--	--
26	2-19	MISCELLANEOUS DETAILS		--	--
27	2-20	INTERSECTION GRADING	CENTRAL AVENUE	--	--
28	2-21	INTERSECTION GRADING	SARRACINO PLACE	--	--
29	2-22	ADA CURB RAMPS	CENTRAL AVENUE	--	--
30	2-23	ADA CURB RAMPS		--	--
31	2-24	ADA CURB RAMPS	SARRACINO PLACE	--	--
32	2-25	EXISTING SURVEY	UNSER BOULEVARD	STA. 9+50.31	STA. 23+00.00
33	2-26	EXISTING SURVEY	UNSER BOULEVARD	STA. 23+00.00	STA. 26+72.14
34	2-27	EXISTING SURVEY	CENTRAL AVENUE	STA. 7+00.00	STA. 19+00.00
35	2-28	EXISTING SURVEY	CENTRAL AVENUE	STA. 19+00.00	STA. 25+71.00
36	2-29	DEMOLITION PLAN	UNSER BOULEVARD	STA. 9+50.31	STA. 23+00.00
37	2-30	DEMOLITION PLAN	UNSER BOULEVARD	STA. 23+00.00	STA. 26+72.14
38	2-31	DEMOLITION PLAN	CENTRAL AVENUE	STA. 7+00.00	STA. 19+00.00
39	2-32	DEMOLITION PLAN	CENTRAL AVENUE	STA. 19+00.00	STA. 25+71.49
40	3-1	ROADWAY PLAN & PROFILE	UNSER BOULEVARD	STA. 9+50.31	STA.16+00.00
41	3-2	ROADWAY PLAN & PROFILE	UNSER BOULEVARD	STA. 16+00.00	STA. 22+00.00
42	3-3	ROADWAY PLAN & PROFILE		STA. 22+00.00	STA. 26+74.14
43	3-4	ROADWAY PLAN & PROFILE	CENTRAL AVENUE	STA. 7+00.00	STA. 13+25.00
44	3-5	ROADWAY PLAN & PROFILE	CENTRAL AVENUE	STA. 13+25.00	STA. 19+50.00
45	3-6	ROADWAY PLAN & PROFILE		STA. 19+50.00	STA. 25+71.49
46	3-7	CURB LINE DIAGRAMS	UNSER BOULEVARD	STA. 10+00.00	STA. 23+00.00
47	3-8	CURB LINE DIAGRAMS	UNSER BOULEVARD	STA. 23+00.00	STA. 26+72.14
48	3-9	CURB LINE DIAGRAMS	CENTRAL AVENUE	STA. 7+00.00	STA. 19+00.00
49	3-10	CURB LINE DIAGRAMS	CENTRAL AVENUE	STA. 19+00.00	STA. 22+50.00
50	7-1	SIGNING & STRIPING PLAN	UNSER BOULEVARD	STA. 10+00.00	STA. 23+00.00
51	7-2	SIGNING & STRIPING PLAN	UNSER BOULEVARD	STA. 23+00.00	STA. 26+72.14
52	7-3	SIGNING & STRIPING PLAN	CENTRAL AVENUE	STA. 7+00.00	STA. 19+25.00
53	7-4	SIGNING & STRIPING PLAN	CENTRAL AVENUE	STA. 19+25.00	STA. 25+71.00
54	9-1	TRAFFIC SIGNAL NOTES AND INCIDENTAL ITEMS		--	--
55	9-2	TRAFFIC SIGNAL LEGEND AND QUANTITIES		--	--
56	9-3	UNSER BLVD & CENTRAL AVE SALVAGE PLAN		--	--
57	9-4	UNSER BLVD & CENTRAL AVE TRAFFIC SIGNAL PLAN		--	--
58	9-5	UNSER BLVD & CENTRAL AVE TRAFFIC SIGNAL CONDUIT & CABLES		--	--
59	9-6	UNSER BLVD & CENTRAL AVE TRAFFIC SIGNAL FUNCTION & DETECTORS		--	--
60	9-7	TRAFFIC SIGNAL INTERCONNECT PLANS		--	--
61	10-1	STORM DRAIN PLAN & PROFILE	UNSER BOULEVARD	STA. 10+00.00	STA. 16+00.00
62	10-2	STORM DRAIN PLAN & PROFILE	UNSER BOULEVARD	STA. 16+00.00	STA. 22+00.00
63	10-3	STORM DRAIN PLAN & PROFILE	UNSER BOULEVARD	STA. 22+00.00	STA. 26+74.14
64	10-4	STORM DRAIN PLAN & PROFILE	CENTRAL AVENUE	STA. 7+00.00	STA. 13+50.00
65	10-5	STORM DRAIN PLAN & PROFILE	CENTRAL AVENUE	STA. 13+50.00	STA. 20+00.00
66	10-6	STORM DRAIN PLAN & PROFILE		STA. 20+00.00	STA. 25+71.49
67	10-7	STORM DRAIN STRUCTURES		--	--
68	10-8	CONCRETE JUNCTION BOX		--	--
69	10-9	STORM DRAIN DETAILS		--	--
70	10-10	DRAINAGE DETAILS		--	--
71	10-11	DRAINAGE DETAILS		--	--
72	10-12	DRAINAGE DETAILS		--	--
73	11-1	UTILITY PLAN & PROFILE	UNSER BOULEVARD	STA. 16+00.00	STA. 21+00.00
74	11-2	UTILITY PLAN & PROFILE	UNSER BOULEVARD	STA. 22+00.00	STA. 26+72.14
75	11-3	UTILITY PLAN & PROFILE	CENTRAL AVENUE	STA. 7+00.00	STA. 13+00.00
76	11-4	UTILITY PLAN & PROFILE	CENTRAL AVENUE	STA. 13+00.00	STA. 19+00.00
77	11-5	UTILITY PLAN & PROFILE	CENTRAL AVENUE	STA. 20+00.00	STA. 25+71.49

TOTAL SHEETS: 77

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
FOUND MONUMENT "7_K10"
STANDARD 3 1/4" ALUMINUM DISC
NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1983)
N=1,483,739.165
E=1,498,962.651
PUBLISHED EL=5097.854 (NAVD 1988)
GROUND TO GRID FACTOR=0.999683006
MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
PRELIMINARY
NOT FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.
FOR REVIEW ONLY.
SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

NO. | DATE | REVISIONS | REMARKS | BY
DESIGN
DESIGNED BY: GM — DATE: DEC. 16, 2016
DRAWN BY: LRT — DATE: DEC. 16, 2016
DWG NAME: 1-2_HORZ.dwg — PROJ #: R304101.01
CHECKED BY: SAE — DATE: DEC. 16, 2016

Know what's below. Call before you dig.
TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

Designed By:
HUITT-ZOLLARS
Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

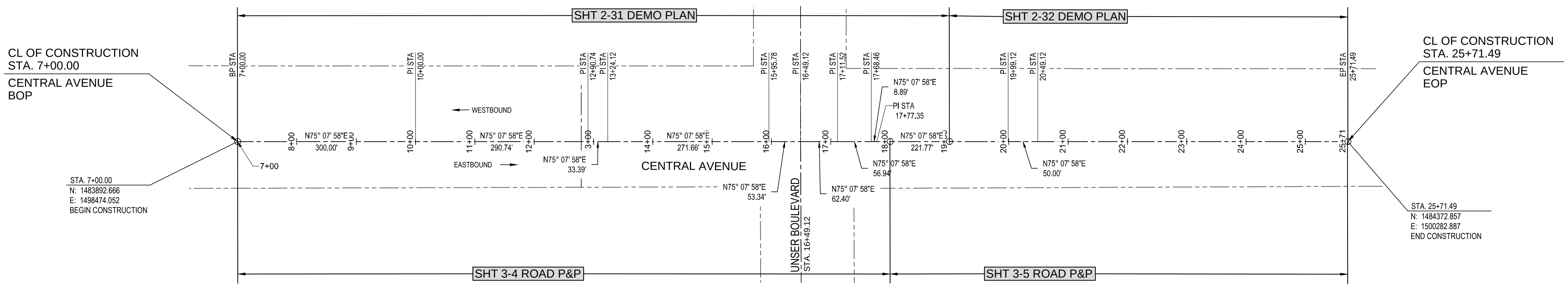
TITLE: UNSER BOULEVARD RECONSTRUCTION
GEOMETRIC & HORIZONTAL CONTROL & INDEX OF DRAWINGS
STA. 10+00.00 TO STA. 26+72.14

Design Review Committee	City Engineer	Last Update	Mo./Day/Yr.	Mo./Day/Yr.

60% SUBMITTAL

City Project No. 4383.91
Zone Map No. J-09-Z, J-10-Z, K-09-Z, K-10-Z
Sheet 2 Of 77

CONTROL NO. A302050
SHEET 1–2



CL OF R/W CENTRAL AVENUE
GEOMETRIC & HORIZONTAL CONTROL

SCALE: 1" = 100'

0 100' 200'
SCALE: 1" = 100'

TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

AS BUILT INFORMATION
CONTRACTOR DATE
WORK STAKED BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
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SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

REVISIONS
NO. DATE REMARKS BY

DESIGN
DESIGNED BY: GM DATE: DEC. 16, 2016
DRAWN BY: LRT DATE: DEC. 16, 2016
DWG NAME: 1-2_HORZ.dwg PROJ #: R304101.01
CHECKED BY: SAE DATE: DEC. 16, 2016

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CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: UNSER BOULEVARD RECONSTRUCTION
GEOMETRIC & HORIZONTAL CONTROL
STA. 7+00.00 TO STA. 25+71.49

Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.

Last Update

City Project No.	Zone Map No.	Sheet	Of
4383.91	J-09-Z, J-10-Z K-09-Z, K-10-Z	3	77

CONTROL NO. A302050 SHEET 1-3

60% SUBMITTAL

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ABBREVIATIONS

AP	ANALYSIS POINT
@	AT
BC	BEGIN CURVE
BCR	BEGIN CURB RETURN
BK	BOOK
BLDG	BUILDING
BM	BENCH MARK
BOP	BEGINNING OF PROJECT
BVC	BEGIN VERTICAL CURVE
BW	BASE OF WALL
CATV	CABLE TV LINE
CB	CATCH BASIN
CF	CURB FACE
CG	CURB AND GUTTER
CIP	CAST IRON PIPE
CL	CHAIN LINK
℄	CENTERLINE
CMP	CORRUGATED METAL PIPE
CO	CLEAN OUT
COA	CITY OF ALBUQUERQUE
CONC	CONCRETE
CORR	CITY OF RIO RANCHO
CY	CUBIC YARDS
DE, DUE	DRAINAGE UTILITY EASEMENT
DI	DROP INLET
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
Δ	DELTA
E	ELECTRIC
EA	EACH
EB	ELECTRIC BOX
EC	END CURVE
ECR	END CURB RETURN
EL, ELEV	ELEVATION
EMH	EXISTING MANHOLE
EOP	END OF PROJECT
EP	EDGE OF PAVEMENT
ESMT	EASEMENT
EVC	END VERTICAL CURVE
EW	EACH WAY
EX, EXIST	EXISTING
FF	FINISH FLOOR
FG	FINISH GRADE
FH	FIRE HYDRANT
FL	FLOW LINE
FM	FORCE MAIN
FO	FIBER OPTIC
FOC	FACE OF CURB
FP	FINISHED PAD
G	GAS
GM	GAS METER
GV	GATE VALVE
HC	HEADER CURB (TOP)
HORIZ	HORIZONTAL
INT	INTERSECTION
INV	INVERT
INV EL	INVERT ELEVATION
LF	LINEAR FEET
LP	LIGHT POLE
LT	LEFT
MH	MANHOLE
NG	NATURAL GROUND
OC	ON CENTER
PB	PULL BOX
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PG	PAGE
PGL	PROFILE GRADE LINE PER TYPICAL SECTION
PI	POINT OF INTERSECTION
ℙ	PROPERTY LINE
PRC	POINT OF REVERSE CURVATURE
PT	POINT OF TANGENCY
PUE	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE PIPE
PVMT	PAVEMENT
R, RAD	RADIUS
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
REF	REFERENCE
RT	RIGHT
R/W, ROW	RIGHT-OF-WAY
S	SLOPE
SAS	SANITARY SEWER LINE
SD	STORM DRAIN
SF	SQUARE FEET
STA	STATION
STD	STANDARD
SW	SIDEWALK
SY	SQUARE YARDS
T	TANGENT
TA	TOP OF ASPHALT
TAC	TOP OF ASPHALT CURB
TBC	TOP BACK OF CURB
TC	TOP OF CONCRETE
TEL	TELEPHONE LINE, RISER OR BOX
TP	TOP OF PIPE
T/RR	TOP OF RIP RAP
TRANS	TRANSVERSE
TV	CABLE TELEVISION
TW	TOP OF WALL
TYP	TYPICAL
UE	UNDERGROUND ELECTRICAL LINE
UT	UNDERGROUND TELEPHONE LINE
VC	VERTICAL CURVE
VERT	VERTICAL
VPI	VERTICAL POINT OF INTERSECTION
W, WL	WATERLINE
WM	WATER METER
WSEL	WATER SURFACE ELEVATION
WV	WATER VALVE

GENERAL

CENTERLINE

ACCESS CONTROL & EX. R/W LINE
(Commonly referred to as R/W)

2 BLOCK NUMBER

2 LOT NUMBER

LOT LINE

A 2 DETAIL/SHEET REFERENCE

A 2 SECTION/SHEET REFERENCE

MATCH LINE
STA. 23+00.00
SEE SHEET R3

MATCH LINE/SHEET REFERENCE

GRADING & DRAINAGE

5500 EXISTING (INDEX) CONTOUR

EXISTING (INTERMEDIATE) CONTOUR

5500 FINISHED (INDEX) CONTOUR

FINISHED (INTERMEDIATE) CONTOUR

FLOW DIRECTION ARROW

TOP OF 4:1 SLOPE
(UNLESS NOTED OTHERWISE)

TOE OF SLOPE

XX.XX FINISHED (SPOT) ELEVATION

SIGHT TRIANGLE STREET INTERSECTION CLEAR SIGHT TRIANGLE

GRADING LIMIT

WATERBLOCK (HIGH POINT)

ROADS

SHEET 2 INDICATES ROAD SHEET NUMBER

ASPHALT TRAIL

CONCRETE SIDEWALK

ASPHALT PAVEMENT

MEDIAN CONCRETE PATTERN

3/8" LANDSCAPE ROCK
SANTA FE BROWN

LANDSCAPE BY OTHERS

CONCRETE CURB & GUTTER

EXISTING CURB AND GUTTER

2 CONSTRUCTION NOTE(S)

NEW OR RELOCATED SIGN

EX. SIGN TO REMAIN

EX. FENCE

NEW 6' CHAIN LINK FENCE

EXISTING UTILITIES

CABLE	CABLE	EXISTING CABLE
CATV	CATV	EXISTING CABLE TV
E	E	EXISTING ELECTRIC
UGE	UGE	EXISTING UNDERGROUND ELECTRIC
OHE	OHE	EXISTING OVERHEAD ELECTRIC
G	G	EXISTING GAS LINE
S	S	EXISTING SEWER LINE
SS	SS	EXISTING SANITARY SEWER LINE
SAS	SAS	EXISTING SAS LINE
SD	SD	EXISTING STORM DRAIN LINE
T	T	EXISTING TELEPHONE LINE
TEL	TEL	EXISTING TELEPHONE LINE
TELE	TELE	EXISTING TELECOMM LINE
W	W	EXISTING WATER LINE
HW	HW	EXISTING HOT WATER SUPPLY LINE
IR	IR	EXISTING IRRIGATION WATER LINE
FM	FM	EXISTING FORCE MAIN
REUSE	REUSE	EXISTING REUSE WATER LINE

WATER

CAP
BUTTERFLY VALVE
CROSS
EX. VALVE W/NEW CONCRETE COLLAR ADJUST TO GRADE
TEE
FIRE HYDRANT
REDUCER
GATE VALVE
NEW WATER MAIN
BEND

CAP
CROSS
TEE
FIRE HYDRANT
GATE VALVE
EXISTING WATER MAIN
BEND

1 WATER LINE DATA
A WATER CURVE DATA

SANITARY SEWER

CAP
FLOW DIRECTION
MANHOLE
SANITARY SEWER MAIN

CAP
FLOW DIRECTION
MANHOLE
MAIN SIZE
EXISTING SANITARY SEWER MAIN

2 SEWER LINE DATA

SANITARY SEWER MANHOLE
SANITARY SEWER MAIN
PROFILE

EXISTING SANITARY SEWER MANHOLE
EXISTING SANITARY SEWER MAIN
PROFILE

STORM DRAIN

EX. 24" SD EXISTING STORM DRAIN INLET, PIPE, AND MANHOLE

24" SD NEW STORM DRAIN INLET, PIPE, AND MANHOLE
INLET

PLAN

PROFILE GRADE LINE
MANHOLE
STORM DRAIN PIPE
EXISTING SD PIPE
EXISTING MANHOLE

PROFILE

PROPOSED UTILITIES

CABLE	CABLE	PROPOSED CABLE
CATV	CATV	PROPOSED CABLE TV
E	E	PROPOSED ELECTRIC
UGE	UGE	PROPOSED UNDERGROUND ELECTRIC
OHE	OHE	PROPOSED OVERHEAD ELECTRIC
G	G	PROPOSED GAS LINE
S	S	PROPOSED SEWER LINE
SS	SS	PROPOSED SANITARY SEWER LINE
SAS	SAS	PROPOSED SAS LINE
SD	SD	PROPOSED STORM DRAIN LINE
T	T	PROPOSED TELEPHONE LINE
TEL	TEL	PROPOSED TELEPHONE LINE
TELE	TELE	PROPOSED TELECOMM LINE
W	W	PROPOSED WATER LINE
HW	HW	PROPOSED HOT WATER SUPPLY LINE
IR	IR	PROPOSED IRRIGATION WATER LINE
FM	FM	PROPOSED FORCE MAIN
REUSE	REUSE	PROPOSED REUSE WATER LINE

SALVAGEABLE ITEMS:

UNLESS OTHERWISE NOTED, SALVAGEABLE MATERIALS FROM THIS PROJECT ARE TO BE HAULED AND STOCKPILED AT CITY FACILITY WITHIN CITY LIMITS. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE CONTRACT FOR ITEM 601000 - "REMOVAL STRUCTURES & OBSTRUCTIONS".

INCIDENTALS

1. UTILITY REPAIR COSTS
2. EARTHWORK HAUL
3. DESIGN, INSTALLATION, AND REMOVAL OF SHIELDING FOR CONSTRUCTION EQUIPMENT OR MATERIAL WITHIN CONSTRUCTION CLEAR ZONE
4. HAULING OF SALVAGEABLE MATERIALS
5. HAULING OF REMOVALS AND DISPOSED MATERIAL
6. WARPING OF SLOPES
7. CLEANING OF EXISTING STRUCTURES
8. CONSTRUCTION WATER
9. EXISTING SERVICE LINE DISCONNECT AND RECONNECT
10. NEAT LINE AT EDGE OF PAVEMENT OR MILLING EXISTING PAVEMENT TO TRANSITION
11. PERMIT FEES, IF APPLICABLE
12. PAVEMENT DROP OFF
13. VIBRATION MONITORING
14. VIDEO TAPING

NOTE: THIS LIST IS PROVIDED FOR CONTRACTORS INFORMATION ONLY. ITEMS LISTED ARE ONLY A GENERAL DESCRIPTION OF THE REQUIRED WORK AND MATERIALS, AND MAY NOT BE COMPLETE. THIS SERIALS (STANDARD DETAILS), SUPPLEMENTAL SPECIFICATIONS OR STANDARD SPECIFICATIONS.

nm811 Know what's below. Call before you dig.
TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY | DATE
INSPECTOR'S ACCEPTANCE BY | DATE
FIELD VERIFICATION BY | DATE
DRAWINGS CORRECTED BY | DATE
MICRO-FILM INFORMATION
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NO.

BENCH MARKS
FOUND MONUMENT "7_K10"
STANDARD 3 1/4" ALUMINUM DISC
NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1983)
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E=1,498,962.651
PUBLISHED EL=5097.654 (NAVD 1988)
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ENGINEER'S SEAL
PRELIMINARY
NOT FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES. FOR REVIEW ONLY.
SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

NO. | DATE | REMARKS | BY
REVISIONS
DESIGN

DESIGNED BY: GM | DATE: DEC. 16, 2016
DRAWN BY: LRT | DATE: DEC. 16, 2016
DWG NAME: 1-4_LEGEND.dwg | PROJ #: R304101.01
CHECKED BY: SAE | DATE: DEC. 16, 2016

Designed By:
HUITT-ZOLLARS
Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:
UNSER BOULEVARD RECONSTRUCTION
SYMBOL LEGEND, ABBREVIATIONS & INCIDENTALS

Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.

Last Update

60% SUBMITTAL

City Project No.	Zone Map No.	Sheet	Of
4383.91	J-09-Z, J-10-Z K-09-Z, K-10-Z	4	77

CONTROL NO. A302050 SHEET 1-4

GENERAL NOTES

1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION, AS AMENDED THROUGH UPDATE NO. 9.

2. THE CONTRACTOR SHALL PROVIDE INGRESS AND EGRESS TO LOCAL BUSINESSES AND RESIDENCES FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL ADVISE OF AND SCHEDULE ACCESS CLOSURES, AT LEAST 24 HOURS IN ADVANCE, WITH PROPERTY OWNERS AND THE CONSTRUCTION PROJECT MANAGER.

3. SEVEN (7) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION.

4. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT N.M. ONE-CALL SYSTEM, (505) 260-1990, FOR LOCATION OF EXISTING UTILITIES.

5. CRITICAL INTERSECTION WORK SHALL NOT START UNTIL THE CONTRACTOR HAS ALL MATERIAL, EQUIPMENT, AND NECESSARY PERSONNEL ON-SITE. TRAFFIC CONTROL DEVICES SHALL NOT BE PLACED PREMATURELY.

6. PARKING OF CONSTRUCTION VEHICLES ON PRIVATE PROPERTY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND IS PROHIBITED WITHIN THE CLEAR ZONE DAY OR NIGHT.

7. THE CONSTRUCTION CLEAR ZONE FOR THIS PROJECT IS 16 FEET FROM THE EDGE OF DRIVING LANE. THE CONTRACTOR SHALL NOT STORE EQUIPMENT OR MATERIAL WITHIN THE CONSTRUCTION CLEAR ZONE UNLESS THE EQUIPMENT OR MATERIAL IS PROPERLY SHIELDED UTILIZING CURRENT SAFETY DESIGN AND INSTALLATION METHODS. THE SAFETY DESIGN FOR SHIELDING SHALL BE PROVIDED BY THE CONTRACTOR AND MUST BE APPROVED BY THE PROJECT MANAGER BEFORE IMPLEMENTING. THIS WORK, INCLUDING DESIGN, INSTALLATION, AND REMOVAL OF THE SHIELDING, SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO ADDITIONAL PAYMENT WILL BE MADE.

8. THE CONTRACTOR SHALL NOTIFY THE ALBUQUERQUE TRAFFIC ENGINEERING DIVISION (857-8680) THREE (3) WORKING DAYS IN ADVANCE OF ANY WORK REQUIRED REGARDING ALL EXISTING REGULATORY SIGNS AND SIGNALS THAT NEED TO BE REMOVED, RELOCATED, OR REINSTALLED.

9. WHEN EXISTING TRAFFIC SIGNALS ARE TURNED OFF, THE CONTRACTOR SHALL HAVE AN OFF-DUTY POLICE OFFICER DIRECT TRAFFIC - CONTACT APD OFF DUTY OVERTIME AT 768-2380. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO ADDITIONAL PAYMENT WILL BE MADE.

10. THE CONTRACTOR SHALL NOTIFY THE CITY PROJECT MANAGER (ANDREW VAROZ) NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR MANAGER AND SHALL NOTIFY THE CITY SURVEYOR MANAGER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED. CONTRACTOR SHALL AT THE CONTRACTOR'S EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED, REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.

11. THE CONTRACTOR WILL BE REQUIRED TO CONFINE THEIR WORK WITHIN THE CONSTRUCTION LIMITS AND/OR RIGHT OF WAY TO PRESERVE EXISTING VEGETATION AND PRIVATE PROPERTY. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAY OPENINGS OR DESIGNATED TRAFFIC LANES.

12. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT BUILDING STRUCTURES ADJACENT TO THE PROJECT NOT BE DAMAGED DUE TO ANY CONSTRUCTION ACTIVITIES. DAMAGE CAUSED TO ANY BUILDING STRUCTURE WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR, INCLUDING ALL COSTS INCURRED IN RESTORING/REPAIRING SAID DAMAGE.

13. THE CONTRACTOR SHALL SUBMIT A PROPOSED WORK PLAN FOR PEDESTRIAN IMPROVEMENTS TO THE PROJECT MANAGER FOR REVIEW AND APPROVAL PRIOR TO INITIATING ANY CONSTRUCTION WORK AFFECTING PEDESTRIANS. THIS PLAN SHALL INCLUDE THE METHOD PROPOSED TO MAINTAIN PEDESTRIAN ACCESS TO BUSINESSES, SCHOOLS, HOSPITAL, BUILDINGS, ETC.

14. THE CONTRACTOR SHALL MAINTAIN AN UP TO DATE SET OF AS-BUILT PLANS FOR THE PROJECT. THESE PLANS SHALL BE KEPT CURRENT, WITHIN TWO WEEKS, AT ALL TIMES AND SHALL BE SUBJECT TO REVIEW BY THE PROJECT MANAGER THROUGHOUT THE PROJECT AND WILL BE REVIEWED BY THE PROJECT MANAGER FOR ACCURACY AND COMPLETENESS AT LEAST ONCE EVERY 30 DAYS. THE FINAL AS-BUILT PLANS SHALL BE SUBMITTED TO THE PROJECT MANAGER AND THE CITY. THIS WORK IS CONSIDERED AS INCLUDED IN BID ITEMS 4.010.

15. MANHOLE RIM ELEVATIONS SHOWN ON THESE PLANS ARE APPROXIMATE AND WILL VARY WITH THE FINISHED PAVEMENT ELEVATIONS.

16. ALL RADII OF CURB RETURNS ARE SHOWN TO THE FACE OF CURB AND UNLESS OTHERWISE NOTED, ALL OFFSETS AND DIMENSIONS ARE TO THE FACE OF THE CURB. MATCH FLOWLINES OF GUTTERS WHEN CONNECTING NEW CURB AND GUTTER WITH EXISTING CURB AND GUTTER.

17. WHERE PULL BOXES ABUT THE BACK OF CURB OR ARE LOCATED IN A CONCRETE PAVED AREA, PROVIDE ¾" EXPANSION MATERIAL AROUND THE PULL BOX. ALL PULL BOXES TO BE FLUSH WITH SURFACE OF CONCRETE.

18. WHEN ABUTTING NEW PAVEMENT TO EXISTING, CONTRACTOR SHALL SAW CUT, TO FULL PAVEMENT DEPTH, THE EXISTING PAVEMENT TO A NEAT VERTICAL STRAIGHT LINE AS REQUIRED TO REMOVE ANY BROKEN OR CRACKED PAVEMENT AND MATCH NEW TO EXISTING.

19. THE CONTRACTOR SHALL VERIFY ALL EXISTING FIRE HYDRANT FLANGES, PADS, VALVE BOXES, MANHOLE RIMS AND TOP OF PIPE ELEVATIONS IN THE FIELD. ELEVATIONS SHALL BE ADJUSTED TO COMPLY WITH THE REQUIREMENTS OF THE STANDARD CITY DETAILS.

20. WHEN APPEARING IN ANY PORTION OF THIS CONTRACT, THE WORDS "PLANT MIX BITUMINOUS PAVEMENT" (PMBP) WILL HAVE THE SAME MEANING AS AND MAY BE USED INTERCHANGEABLY WITH THE WORDS "ASPHALT CONCRETE".

21. THE CONTRACTOR SHALL WARP SLOPES WHERE NECESSARY TO STAY WITHIN THE RIGHT OF WAY OR CONSTRUCTION EASEMENT LIMITS. THE WORK SHALL BE AS DIRECTED BY THE PROJECT MANAGER. PROPOSED IMPROVEMENTS & RELATED GRADING SHALL BE MAINTAINED WITHIN THE RIGHT OF WAY OR CONSTRUCTION EASEMENT LIMITS.

22. PERMANENT PAVEMENT STRIPING AND MARKINGS WILL BE PLACED BY THE CONTRACTOR. THE ROAD SHALL NOT BE OPENED TO THE TRAFFIC UNTIL IT IS STRIPED. ALL STRIPING, PAVEMENT MARKINGS INCLUDING CROSSWALKS, ARROWS AND LINE MARKINGS ARE TO BE CONSTRUCTED OF HOT THERMOPLASTIC (90 MIL THICKNESS) IN ACCORDANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

23. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENTS, PAVEMENT MARKINGS, CURB AND GUTTER, DRIVEPADS, HANDICAP RAMPS, AND SIDEWALK AND LANDSCAPING DURING CONSTRUCTION APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS, AND SHALL REMOVE AND REPLACE AS PER COA STANDARDS, AS APPLICABLE, AT THEIR OWN EXPENSE.

24. MILLED BITUMINOUS CONCRETE PAVEMENT WILL BE STOCKPILED BY THE CONTRACTOR AT THE CITY OF ALBUQUERQUE PINO YARDS, AS DIRECTED BY THE PROJECT MANAGER. ANY HAUL COSTS ASSOCIATED WITH THIS WORK IS CONSIDERED INCIDENTAL TO THE PROJECT.

25. WHEN REMOVAL OF EXISTING CURB AND GUTTER OR SIDEWALK IS REQUIRED, REMOVE TO NEAREST JOINT.

26. ALL CONSTRUCTION DEBRIS, SPOIL AND NON-SALVAGEABLE ITEMS BECOME THE PROPERTY OF THE CONTRACTOR AND PROPER DISPOSAL OF THESE ITEMS IS THE RESPONSIBILITY OF THE CONTRACTOR. ANY HAUL COSTS ASSOCIATED WITH THIS WORK IS CONSIDERED INCIDENTAL TO THE PROJECT.

27. CITY OWNED STREET LIGHT ITEMS, SIGNAL ITEMS, AND SIGNING REMOVED FROM THIS PROJECT ARE TO BE HAULED AND STOCKPILED AT THE CITY OF ALBUQUERQUE PINO YARDS AS DIRECTED BY THE PROJECT MANAGER. HAUL OF SUCH MATERIAL SHALL BE PERFORMED DURING NORMAL WORKING HOURS AS DIRECTED BY THE PROJECT MANAGER. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE CONTRACT PRICE FOR EACH SALVAGE ITEM.

28. ALL FINAL BACKFILL FOR TRENCHES WITHIN THE COA RIGHT-OF-WAY SHALL BE COMPACTED TO A MINIMUM OF 95% MAXIMUM DENSITY PER ASTM D-1557 AND AS DIRECTED BY STANDARD SPECIFICATIONS SECTION 701.14.2 AND STANDARD DRAWING NUMBER 2465.

29. ANY EARTHWORK HAUL ON THIS PROJECT WILL BE CONSIDERED AS INCIDENTAL TO THE PROJECT AND NO SEPARATE PAYMENT WILL BE MADE THEREFOR.

30. ALL EXISTING UTILITIES SHOWN HEREIN WERE TAKEN FROM RECORD DRAWINGS, FIELD SURVEYS, C.O.A. SYSTEMS UTILITIES MAPS AND INFORMATION PROVIDED BY THE UTILITY OWNERS AND ARE APPROXIMATE. IT WILL BE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCATIONS AND TYPE OF EXISTING UTILITIES TO BE ADJUSTED OR EXTENDED AND TO PROVIDE PROTECTION FOR ALL UTILITIES WITHIN THE CONSTRUCTION AREA. THE CONTRACTOR WILL BE RESPONSIBLE FOR EXPLORATORY TRENCHING AND EXPOSING OF EXISTING UTILITIES (POT HOLING) TO CONFIRM SIZE, LOCATION, ETC. THIS WORK SHALL BE CONSIDERED AS INCIDENTAL TO THE PROJECT.

31. CONTRACTOR IS TO EXERCISE DUE CARE TO AVOID DISTURBING ANY EXISTING UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION THAT MIGHT RESULT FROM PROJECT CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT AND PRESERVE UTILITY EQUIPMENT AFFECTED BY PROJECT CONSTRUCTION. SHOULD THE CONTRACTOR BREAK AN EXISTING UTILITY LINE DURING CONSTRUCTION ACTIVITIES THE CONTRACTOR SHALL BE RESPONSIBLE FOR UTILITY REPAIR COSTS. THIS WORK SHALL BE CONSIDERED AS INCIDENTAL TO THE PROJECT.

32. THE CONTRACTOR IS HEREBY ADVISED THAT UTILITY RELOCATION WORK AND/OR NEW CONSTRUCTION OF UTILITIES WILL HAVE TO BE PERFORMED CONCURRENT WITH CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE FOR UTILITY WORK IN CONJUNCTION WITH PROJECT CONSTRUCTION OPERATIONS AND SHALL BE REQUIRED TO COORDINATE THE SCHEDULING OF WORK WITH THE RESPECTIVE UTILITY OWNERS. A LIST OF CONTACT NAME IS PROVIDED ON SHEET 2. A UTILITY COORDINATION MEETING SHALL BE SET UP BY THE CONTRACTOR AT LEAST ONE (1) WEEK PRIOR TO ANY CONSTRUCTION ACTIVITY. COORDINATION OF UTILITY RELOCATION/NEW CONSTRUCTION SHALL BE DETAILED AT THIS MEETING.

33. THE CONTRACTOR SHALL NOTIFY THE LOCAL FIRE DEPARTMENT AT LEAST TWO (2) WORKING DAYS IN ADVANCE OF WHEN FIRE HYDRANTS WILL BE TAKEN OUT OF SERVICE AND RETURNED TO SERVICE.

34. THE ABCWUA (857-8200) WILL BE NOTIFIED BY THE CONTRACTOR SEVEN (7) WORKING DAYS IN ADVANCE OF ANY WORK WHICH MAY AFFECT THE EXISTING PUBLIC WATER FACILITIES, REFER TO SECTION 18 OF THE COA STANDARD SPECIFICATIONS. ONLY ABCWUA PERSONNEL MAY OPERATE VALVES.

35. THE CONTRACTOR SHALL ADJUST TO GRADE, ALL WATER VALVE BOXES, SANITARY SEWER MANHOLES, AND STORM DRAIN MANHOLES WHICH MAY BE AFFECTED BY THIS CONTRACT.

36. WHERE MEDIAN CURB & GUTTER ENCOUNTERS STORM DRAIN INLETS, CONTRACTOR SHALL TRANSITION 6" TALL MEDIAN CURB & GUTTER TO MATCH INLET HEIGHT OVER 5 LF (BEFORE AND AFTER. PAYMENT FOR THIS WORK IS CONSIDERED AS INCLUDED IN THE COST OF THE MEDIAN CURB & GUTTER AND NO ADDITIONAL PAYMENT WILL BE MADE THEREFOR.

37. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.

38. ELECTRONIC MARKER SPHERES (EMS) (AKA ELECTRONIC MARKER DEVICES) WILL BE PLACED ACCORDING TO SECTION 170 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1988 EDITION AS REVISED THROUGH UPDATE NO. 8.

39. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING OF DEBRIS, INCLUDING BUT NOT LIMITED TO HAZARDOUS WASTE AT DISPOSAL SITES APPROVED BY GOVERNMENTAL AGENCIES REGULATING THE DISPOSAL OF SUCH MATERIALS.

40. THE CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE AND SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY. THIS WORK IS CONSIDERED INCIDENTAL TO THE PROJECT.

41. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR THE SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITHOUT DELAY.

42. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTION SIGNING UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY. IF A PAVEMENT DROP OFF IS CREATED DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR SHALL INITIATE PROTECTIVE ACTION TO MAINTAIN A SMOOTH TRANSITION. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE PAYMENT WILL BE MADE.

43. VIBRATION MONITORING AND VIDEO TAPING SHALL BE PERFORMED IN AND AROUND ALL STRUCTURES AS DEFINED IN THIS GENERAL NOTE AND AS DIRECTED BY THE PROJECT MANAGER. "STRUCTURES" IS DEFINED AS BRIDGES, CULVERTS, CATCH BASINS, DROP INLETS, RETAINING WALLS, CRIBBING, MANHOLES, ENDWALLS, BUILDINGS, SEWERS, SERVICE PIPES, UNDER DRAINS, FOUNDATION DRAINS, AND OTHER SUCH FEATURES THAT MAY BE ENCOUNTERED IN THE WORK. THE CONSTRUCTION AREA AND AREAS ADJACENT TO THE LIMITS OF CONSTRUCTION SHALL ALSO BE VIDEO TAPED. VIBRATION MONITORING, VIDEO-TAPING, AND RELATED WORK SHALL BE PERFORMED ACCORDING TO THE SPECIFICATIONS INCLUDED IN THE SUPPLEMENTAL TECHNICAL SPECIFICATIONS OF THE CONTRACT BOOK AND PAID IN ITEM 1600.001.

44. STRUCTURES SHALL BE CLEAN AT THE TIME OF FINAL PROJECT ACCEPTANCE. THIS WORK WILL BE CONSIDERED AS INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE.

45. THE DESIGN R VALUE FOR THIS PROJECT IS 50. WHERE SOILS WITH AN R VALUE LESS THAN 50 OCCUR AT FINISHED SUBGRADE OF PAVED ROADWAY AREAS, THESE SOILS SHALL BE OVEREXCAVATED A VERTICAL DEPTH OF AT LEAST 2 FEET AND FOR A LATERAL DISTANCE OF AT LEAST 1 FEET OUTSIDE OF THE BACK EDGE OF CURB. THE OVEREXCAVATED MATERIAL SHALL BE REPLACED WITH A MORE GRANULAR MATERIAL HAVING AN R VALUE OF AT LEAST 50.

46. VALVE AND MANHOLE ADJUSTMENTS TO GRADE SHALL INCLUDE NEW CONCRETE COLLARS, ELECTRONIC MARKER DEVICES AND IF NEEDED RING AND COVERS TO COMPLY WITH CURRENT STANDARD DETAIL DRAWINGS.

47. IF CULTURAL RESOURCES OR FOSSIL MATERIALS ARE UNCOVERED DURING CONSTRUCTION, WORK WILL BE HALTED IN THAT AREA. THE CONTRACTOR WILL NOTIFY THE PROJECT MANAGER. NO WORK WILL OCCUR IN THE AREA UNTIL IT IS CLEARED WITH THE PROJECT MANAGER. COST FOR THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO MEASUREMENT FOR PAYMENT WILL BE MADE THEREFOR.

48. WATERING, AS REQUIRED FOR CONSTRUCTION AND DUST CONTROL, SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO MEASUREMENT OR PAYMENT SHALL BE MADE. CONSTRUCTION AREAS SHALL BE WATERED FOR DUST POLLUTION ABATEMENT AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND SUPPLYING WATER AS REQUIRED.

49. PLACE STRIPPINGS OVER EMBANKMENT SLOPES AND OTHER DISTURBED AREAS PRIOR TO SEEDING AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCIDENTAL TO THE COST OF THE CLEARING AND GRUBBING ITEM.

50. THE CONTRACTOR SHALL INCLUDE IN HIS/HER CONSTRUCTION SEQUENCE PROVISIONS WHICH WILL ALLOW FOR THE SAFE PASSAGE OF WATER FROM ARROYOS AND DITCHES THROUGH THE PROJECT SITE WITHOUT DAMAGE TO FACILITIES BEING CONSTRUCTED, COMPLETED FACILITIES, OR ADJACENT PRIVATE PROPERTY.

51. ALL STORM WATER DISCHARGES FROM THE PROJECT SITE SHALL MEET THE REQUIREMENTS OF THE REGULATIONS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) AS WELL AS APPLICABLE STATE AND LOCAL REGULATIONS.

52. SUBJECT TO THE APPROVED TRAFFIC CONTROL PLAN, TWO LANES OF UNSER BOULEVARD AND CENTRAL AVENUE IN EACH DIRECTION SHALL BE OPEN TO TRAFFIC AT ALL TIMES. THE CONTRACTOR SHALL ACCOMPLISH AS MUCH WORK AS POSSIBLE PRIOR TO STARTING CONSTRUCTION OPERATIONS THAT WILL AFFECT TRAFFIC. THE CONTRACTOR SHALL PROVIDE A LISTING OF SUCH WORK TO THE CITY PROJECT MANAGER AND ENGINEER FOR APPROVAL PRIOR TO STARTING CONSTRUCTION OPERATIONS. CONTRACTOR SHALL PROVIDE PROPER SIGNAGE AND FLAG PERSON AND SHALL MAINTAIN THE TRAFFIC LANE IN SUCH A MANNER AS TO ASSURE PROPER SAFETY TO THE TRAVELING PUBLIC ON ALL AFFECTED ROADS. THE CONTRACTOR SHALL RESTRICT LANE CLOSURES TO BETWEEN THE HOURS OF 9:00 AM AND 3:00 PM. IF THE CONTRACTOR MUST MAINTAIN A LANE CLOSED TO TRAFFIC AT THE END OF THE EXPECTED WORK SHIFT DUE TO A SAFETY CONCERN, THEN THE CONTRACTOR MUST CONTINUOUSLY WORK ON A 24-HOUR PER DAY BASIS UNTIL ALL LANES ARE OPENED TO TRAFFIC. THE CONTRACTOR SHALL PROVIDE ACCESS TO ALL PRIVATE AND PUBLIC PROPERTY AT ALL TIMES, EXCEPT WHEN GRADING, EXCAVATION, AND BACKFILL OPERATIONS ARE BEING CONDUCTED IMMEDIATELY IN FRONT OF THE PROPERTY, IN WHICH CASE ACCESS WILL NOT BE DENIED FOR MORE THAN 4 HOURS WITHOUT APPROVAL.

53. CONTRACTOR SHALL COORDINATE WITH WATER AUTHORITY, (857-8200) SEVEN (7) WORKING DAYS PRIOR TO ANY WORK THAT MAY AFFECT EXISTING WATER AUTHORITY PUBLIC WATER OR SEWER UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR TIMING AND COORDINATION OF WATER SHUTOFF. EXISTING WATER AUTHORITY VALVES TO BE OPERATED BY WATER AUTHORITY PERSONNEL ONLY.

54. RCP SHALL BE INSTALLED SO THAT THE JOINT GAP AT THE HOME POSITION SHALL CONFORM TO THE APPROVED MANUFACTURER'S RECOMMENDATION. MANUFACTURER'S RECOMMENDED JOINT GAP TOLERANCES FOR EACH PIPE SIZE AND TYPE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO PLACEMENT OF PIPE. RCP JOINTS SHALL NOT BE GROUTED UNLESS DIRECTED BY THE ENGINEER AFTER CITY APPROVAL.

55. ALL STREET STRIPING, ALTERED OR DESTROYED, SHALL BE REPLACED WITH THERMOPLASTIC REFLECTORIZED PAVEMENT MARKINGS BY CONTRACTOR TO SAME LOCATION AS EXISTING, OR AS INDICATED BY THIS PLAN SET.

56. ERADICATE EXISTING PAVEMENT MARKINGS BY PLANING PER SPECIFICATION 443.3.1. WIDTH: 2 TIMES WIDTH OF EX. STRIPE. DEPTH: 0.25 INCHES

57. CONTRACTOR TO TEST SUBGRADE R-VALUE PRIOR TO CONSTRUCTION. IN THE EVENT THE R-VALUE IS LESS THAN 50, REMOVE 2 FEET OF SUBGRADE MATERIAL AND IMPORT MATERIAL WITH R-VALUE GREATER THAN 50 OR CONTACT THE ENGINEER IMMEDIATELY SO THE PAVEMENT SECTION CAN BE MODIFIED.

58. DETECTABLE WARNING SURFACES SHALL BE CAST IN PLACE REPLACEABLE.

60% SUBMITTAL

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
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DRAWINGS CORRECTED BY — DATE
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FOR REVIEW ONLY.
SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

NO. | DATE | REMARKS | BY
REVISIONS
DESIGN
DESIGNED BY: GM — DATE: DEC. 16, 2016
DRAWN BY: LRT — DATE: DEC. 16, 2016
DWG NAME: 1-5_GN.dwg — PROJ #: R304101.01
CHECKED BY: SAE — DATE: DEC. 16, 2016

nm811
Know what's below. Call before you dig.
TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

Designed By:
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CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:
UNSER BOULEVARD RECONSTRUCTION
GENERAL NOTES

Design Review Committee	City Engineer	Last Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4383.91
Zone Map No. J-09-Z, J-10-Z, K-09-Z, K-10-Z
Sheet 5 Of 77

CONTROL NO. A302050
SHEET 1–5

Plotted: 1/12/2017 1:57:01 PM, By:Eddings, Scott
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Last Saved:12/16/2016 2:36:43 PM, seddings

SUMMARY OF QUANTITIES

Bid Item #	Item ID No.	Item Description	Est. Qty	Unit
1	4.01	CONSTRUCTION SURVEYING & STAKING	1	LS
2	6.01	CONSTRUCTION PROJECT SIGN INCL. MATERIALS, INSTALLATION, MAINTENANCE AND REMOVAL, CIP, PER CONTRACT SPECIAL PROVISIONS	4	EA
3	17010	CONSTRUCTION TRAFFIC CONTROL & BARRICADING, CIP	1	LS
4	2999	NPDES STORM WATER PERMITTING/SWPPP, CIP	1	LS
5	202.010x	EXCAVATE & DISPOSE UNCLASSIFIED MATERIAL, CIP	19,975	CY
6	202.011	EXCAVATE & DISPOSE OF UNSUITABLE MATERIAL, CIP	500	CY
7	204.010x	FILL, CONSTRUCTION, INCL. EXCAVATION, PLACEMENT & COMPACTION OF UNCLASSIFIED MATERIAL, CIP	19,975	CY
8	301.025	SUBGRADE PREP. 12" @ 95% COMPACTION, USING EXISTING PULVARIZED & MIXED ASPHALT PAVEMENT, INCLUDE PULVERIZATION, CIP	43,160	SY
9	302.01x	AGGREGATE BASE COURSE CRUSHED, 8" @ 95% COMPACTION, CIP. SD 2408	43,160	SY
10	336.01	PRIME COAT MATERIAL, EMULSIFIED ASPHALT, CIP.	29,252	SY
11	336.022	SUPERPAVE ASPHALT CONCRETE 2" LIFT, MATERIAL & PLACEMENT, CIP.	27,514	SY
12	336.023	SUPERPAVE ASPHALT CONCRETE 2-1/2" LIFT, MATERIAL & PLACEMENT, CIP.	55,033	SY
13	336.05	BIKE TRAIL ASPHALT CONCRETE, TYPE C, 2" THICK, MATERIAL & PLACEMENT, CIP.	1,038	SY
14	336.12	TACK COAT, CATIONIC EMULSIFIED ASPHALT, CIP.	33,129	SY
15	337.04	CONCRETE PAVEMENT, 8" THICK, PORTLAND CEMENT CONCRETE WITH FLY ASH, CIP. SD 2407	12,934	SY
16	337.04X	CONCRETE COLLARS	30	CY
17	340.01	SIDEWALK, 4" THICK, PC CONCRETE, INCL. SUBGRADE COMPACTION, CIP.	2,957	SY
18	340.02	DRIVEPAD, 6" THICK, PC CONCRETE, INCL. SUBGRADE COMPACTION, CIP. SD 2425	1,211	SY
19	340.021	24" SIDEWALK DRAIN, INCL. SUBGRADE PREP., CIP. SD 2236	10	EA
20	340.023	WHEELCHAIR ACCESS RAMP, 4" PCC, STD. CURB., CIP SD 2418 AND CONSTRUCTION PLANS	602	SY
21	340.03	VALLEY GUTTER & CURB, PC CONCRETE INCL. REINFORCEMENT AND SUBGRADE COMPACTION, CIP.	685	SY
22	340.05	CURB & GUTTER, STANDARD, PC CONCRETE, INCL. SUBGRADE PREPARATION, CIP SD 2415	5,700	LF
23	340.06	CURB & GUTTER, MEDIAN, PC CONCRETE, INCL. SUBGRADE PREPARATION, CIP SD 2415	5,537	LF
24	340.3	4" MEDIAN PAVEMENT, PATTERNED AND COLORED PC CONCRETE, INCL. SUBGRADE PREP., CIP.	728	SY
25	341.01	ASPHALT CONCRETE CURB, MACHINE EXTRUDED, CIP., SD 2415	278	LF
26	343.03	EXISTING PAVEMENT, ASPHALT CONCRETE, MORE THAN 4" THICK, SAWCUT, REMOVE & DISPOSE, CIP.	500	SY
27	421.005	SERVICE RISER (SIGNAL)	0	EA
28	421.011	METER PEDESTAL	0	EA
29	422.003	TRAFFIC SIGNAL PEDESTAL POLE, 13', CIP.	8	EA
30	422.013x	TRAFFIC SIGNAL MASTARM, 25 FOOT ARM, TYPE II TROMBONE, CIP.	0	EA
31	422.016	TRAFFIC SIGNAL MASTARM, (MASTARM ONLY) 30' ARM, TYPE II, TROMBONE, CIP.	0	EA
32	422.017	TRAFFIC SIGNAL MASTARM, 30' ARM, TYPE III, TROMBONE, CIP.	4	EA
33	422.018	TRAFFIC SIGNAL MASTARM, 35' ARM, TYPE II, TROMBONE, CIP.	0	EA
34	422.019	TRAFFIC SIGNAL MASTARM, 35' ARM, TYPE III, TROMBONE, CIP.	0	EA
35	422.021	TRAFFIC SIGNAL MASTARM, 40' ARM, TYPE III, TROMBONE, CIP.	6	EA
36	422.101	TRAFFIC SIGNAL PEDESTAL POLE, ANY SIZE, REMOVE & SALVAGE	8	EA
37	422.102	TRAFFIC SIGNAL PEDESTAL POLE, ANY SIZE, REMOVE & RELOCATE	8	EA
38	422.112	TRAFFIC SIGNAL MASTARM, ANY SIZE, REMOVE & SALVAGE	8	EA
39	423.001	TRAFFIC SIGNAL FOUNDATION FOR PEDESTAL POLE, CIP.	8	EA
40	423.002	TRAFFIC SIGNAL MASTARM FOUNDATION, CIP.	8	EA
41	423.003	TRAFFIC SIGNAL CONTROLLER FOUNDATION, (TYPE M&P CABINET), CIP.	2	EA
42	423.005	TRAFFIC SIGNAL FOUNDATION FOR SPLICE CABINET, CIP.	2	EA
43	423.101	TRAFFIC SIGNAL FOUNDATION MASTARM, REMOVE & DISPOSE, COMPLETE	2	EA
44	423.102	TRAFFIC SIGNAL FOUNDATION FOR PEDESTAL POLE REMOVE & DISPOSE, COMPLETE	8	EA
45	424.006	RIGID ELECTRICAL CONDUIT, 2" INCLUDING TRENCH, BACKFILL, PATCHING, PUSHING, BORING AND JACKING, CIP.	600	LF
46	424.011	RIGID ELECTRICAL CONDUIT, 3", INCL. TRENCHING, BACKFILL, PATCHING, PUSHING, BORING, & JACKING, CIP.	3,350	LF
47	424.101	ELECTRICAL CONDUIT, ANY SIZE, REMOVE & DISPOSE, COMPLETE	450	LF
48	425.003	ELECTRICAL PULL BOX, (LARGE), CIP	13	EA
49	425.003	TYPE C PULL BOX, CIP	7	EA
50	425.101	ELECTRICAL, PULL BOX, ANY TYPE, REMOVE & DISPOSE	4	EA
51	425.01	SPLICE CABINET, CIP.	1	EA
52	425.011	RELOCATE SPLICE CABINET	2	EA
53	426.003	SINGLE CONDUCTOR #6, CIP.	3,000	LF
54	426.004	SINGLE CONDUCTOR #8, CIP.	3,000	LF
55	426.005	SINGLE CONDUCTOR #10, CIP.	3,000	LF
56	426.01	MULTI-CONDUCTOR CABLE, #5, CIP.	2,000	LF
57	426.011	MULTI-CONDUCTOR CABLE, #7, CIP.	375	LF
58	426.014	MULTI-CONDUCTOR CABLE, #20, CIP.	2,000	LF
59	426.02	6-PAIR COPPER INTERCONNECT	25	LF
60	426.021	12-PAIR COPPER INTERCONNECT	3,350	LF
61	426.101	EXISTING WIRE, REMOVE & DISPOSE, COMPLETE	1	LS
62	427.002	3 SECTION TRAFFIC ASSEMBLY, CIP.	18	EA
63	427.004	5-SECTION TRAFFIC ASSEMBLY, CIP.	8	EA
64	427.024	PEDESTRIAN SIGNAL, LED WITH COUNTDOWN, CIP.	8	EA
65	427.031	3 SECTION BACKPLATE, CIP.	18	EA
66	427.033	5 SECTION BACKPLATE, CIP.	8	EA
67	427.101	TRAFFIC SIGNAL ASSEMBLY, ANY TYPE, REMOVE & SALVAGE, COMPLETE	8	EA
68	427.103	PEDESTRIAN SIGNAL, ANY TYPE, REMOVE AND SALVAGE, COMPLETE	2	EA
69	427.104	PEDESTRIAN SIGNAL, COUNTDOWN, REMOVE & RELOCATE, CIP	2	EA
70	427.2	INTERNALLY ILLUMINATED STREET NAME SIGNS, CIP.	8	EA
71	428.01	PUSH BUTTON STATION, CIP.	8	EA
72	428.011	PUSH BUTTON STATION, REMOVE & SALVAGE, COMPLETE	3	EA
73	428.021	LOOP DETECTOR WIRE, CIP.	3,250	LF
74	428.05	LOOP LEAD-IN CABLE, CIP.	1,500	LF
75	428.06	DETECTOR SAW CUT, COMPLETE	1,500	LF
76	428.071	PHASE SELECTOR MODULE, 2 CHANNELS, CIP.	3	EA
77	428.077	OPTICAL DETECTOR 2D/2C, CIP.	8	EA
78	428.078	OPTICAL DETECTOR CABLE, CIP	1,800	LF
79	429.101	TRAFFIC SIGNAL CONTROLLER (ECONOLITE ASC-3 CONTROLLER)	3	EA
80	432.001	ROADWAY LUMINAIRE, TYPE 250S, CIP.	8	EA
83	441.005	REFLECTORIZED HOT THERMOPLASTIC PAVEMENT MARKING 24" WIDTH, CIP.	400	LF
84	441.01	REFLECTORIZED COLD PREFORMED PLASTIC ARROW, RIGHT, CIP.	15	EA
85	441.011	REFLECTORIZED COLD PREFORMED PLASTIC ARROW, LEFT, CIP.	13	EA
86	441.011	REFLECTORIZED COLD PREFORMED PLASTIC ARROW, THRU-LEFT, CIP.	5	EA
87	441.031	REFLECTORIZED PLASTIC WORD "ONLY", CIP.	7	EA
88	441.031	REFLECTORIZED COLD PREFORMED PLASTIC SYMBOL, BICYCLE, CIP.	7	EA
89	443.101	REMOVAL OF PAVEMENT STRIPE, ANY WIDTH, PAINTED OR PLASTIC, CIP	2,000	LF
90	450.001	ALUMINUM PANEL SIGN, CIP.	250	SF
91	450.01	SQUARE TUBE STEEL POSTS & BASE POSTS FOR ALUMINUM PANEL SIGN, CIP.	250	LF
92	450.101	SIGN, POST, & BASE POST, REMOVE & RELOCATE, COMPLETE	10	EA
93	343.13	REMOVE AND REPLACE EXISTING PAVEMENT	515	SY
94	510.11	STRUCTURAL CONCRETE	80	CY
95	701.01	TRENCHING, BACKFILLING, & COMPACTION FOR 4" TO 15" STORM SEWER PIPE, LESS THAN 8 FEET IN DEPTH, PIPE NOT INCLUDED, CIP.	1,700	LF
96	701.11	TRENCHING, BACKFILLING, & COMPACTION FOR 18" TO 36" STORM SEWER PIPE, 8' TO 12' IN DEPTH, PIPE NOT INCLUDED, CIP.	1,756	LF
97	701.15	TRENCHING, BACKFILLING, & COMPACTION FOR 48" STORM SEWER PIPE, OVER 8 FEET TO 12 FEET IN DEPTH, PIPE NOT INCLUDED, CIP.	1,348	LF
98	701.16	TRENCHING, BACKFILLING, & COMPACTION FOR 60" STORM SEWER PIPE, OVER 8 FEET TO 12 FEET IN DEPTH, PIPE NOT INCLUDED, CIP.	50	LF
99	710.051X	48" CASING PIPE, INCL. SPACER AND END SEAL, CIP.	50	LF
100	710.075	POTHOLE, 0-10' DEEP, VACUUM EXPLORATORY EXCAVATION, INCL. PAVEMENT REMOVAL, DISPOSAL & REPLACEMENT, VERTICAL & HORIZONTAL UTILITY LOCATION DATA, COMPLETE	50	EA
101	801.00x	6" WATERLINE PIPE EXCL. FITTINGS, (STD, SPEC. SEC. 801), INCL. TRENCH & COMPACTED BACKFILL TO 6' DEPTH, CIP.	40	LF
102	801.005	12" DUCTILE IRON WATERLINE PIPE EXCL. FITTINGS, (STD, SPEC. SEC. 801), INCL. TRENCH & COMPACTED BACKFILL TO 6' DEPTH, CIP.	710	LF
103	801.055	EXISTING WATERLINE, 6" TO 14" WITH FITTINGS, REMOVE & DISPOSE, EXCL. TRENCHING, COMPL.	650	LF
104	801.059	NON-PRESSURIZED CONNECTION, EXISTING WATERLINE, ALL SIZES, INCL. FITTINGS, COMPL.	2	EA
105	801.065	DUCTILE IRON MJ FITTINGS, CLASS 250, 4"-14" WATERLINE, INCL. JOINTING MATERIAL, CIP	100	LB
106	801.081	6" GATE VALVE, CIP	5	EA
107	801.084	12" GATE VALVE, CIP	4	EA
108	801.113	FIRE HYDRANT, 4' BURY, MJ, INCL. BLOCKING & AGGREGATE, CIP, SD 2340	5	EA
109	801.112	VALVE BOX, RING & COVER ADJUST TO GRADE, DEMO EX. CONCRETE COLLAR & NEW CONCRETE COLLAR, CIP	15	EA
110	801.119	FIRE HYDRANT, REMOVE & SALVAGE, CIP.	5	EA
111	801.152	MJ RESTRAINT GLAND, 4"-8", CIP	10	EA
112	801.157	JOINT RETAINING HARNESS, DI, 10" TO 12", CIP.	12	EA
113	801.073x	TAPPING SLEEVE, 6"-16" ON 16" WATERLINE, INCL. JOINTING MATERIAL, CIP	5	EA
114	801.118	FIRE HYDRANT, EXISTING, REMOVE & RELAY ADJUST TO GRADE, CIP	3	EA
115	802.51	WATER METER BOX, 1-1/2" TO 2" INCL. CONCRETE PAD, COVER & PAD. SD 2367	2	EA
116	802.65	2" WATER SERVICE LINE, NEW SINGLE CONNECTION INSTALLED TO EXISTING WATERMAIN, CIP. SD 2363	2	EA
117	901.03	8" SEWER PIPE, FURNISH & PLACE IN OPEN TRENCH, CIP.	850	LF
118	901.5	CONNECT SEWERLINE TO EXISTING MANHOLE, 4" TO 15" PIPE, CIP.	1	EA
119	901.71	SEWERLINE, 4" TO 8" REMOVE & DISPOSE, TRENCHING NOT INCLUDED, CIP, SD 2125	850	LF
120	910.005	18" REINFORCED CONCRETE PIPE, CLASS III, FURNISH & PLACE IN OPEN TRENCH, CIP.	1,013	LF
121	910.01	24" REINFORCED CONCRETE PIPE, CLASS III, FURNISH & PLACE IN OPEN TRENCH, CIP.	705	LF
122	910.02	48" REINFORCED CONCRETE PIPE, CLASS III, FURNISH & PLACE IN OPEN TRENCH, CIP.	1,398	LF
123	915.04	CATCH BASIN, TYPE C, DOUBLE GRATE, CIP. SD 2205	7	EA
124	915.1XX	MEDIAN DROP INLET W/ 6" PERFORATED PIPE	10	EA
125	920.07	MANHOLE, 4' DIA. TYPE "C" 6' TO 10' DEEP, CIP 2101	1	EA
126	920.14	MANHOLE, 6' DIA. TYPE "C" OR "E" 6' TO 10' DEEP, CIP SD 2101	3	EA
127	920.15	MANHOLE, 6' DIA. TYPE "C" OR "E" 10' TO 14' DEEP, CIP SD 2101	1	EA
128	920.21	MANHOLE, 8' DIA. TYPE "C" OR "E" 6' TO 10' DEEP, CIP SD 2101	3	EA
129	920.14X	PORTED RISER, 6' DIA. WITH TRASH RACK	1	EA
130	920.42	EXISTING MANHOLE FRAME AND COVER, ADJUST TO PAVEMENT GRADE WHERE ADJUSTMENT OF CONCRETE OR BLOCK BARREL IS REQUIRED, CIP	30	EA
131	1001.11	ELECTRICAL FOR IRRIGATION, EXCLUDING, CIP	3	EA
132	1002.112	BORING FOR 1-1/4" PVC ELECTRICAL SERVICE WIRE SLEEVE – INCL. SLEEVE FOR PIPE INSTALLATION, CIP	150	LF
133	1005.31	GRAVEL MULCH, 1" BUILDOLOGY BROWN, INCLUDING FILTER FABRIC, CIP	20,000	SY
134	1011.01	SEEDING, CLASS "A", NATIVE, INCL. STRAW CRIMP, CIP	2	AC
135	STS 1600	VIBRATION MONITORING	1	LS
136	343.02	EXISTING PAVEMENT ASPHALT CONCRETE, MORE THAN 4" THICK, SAWCUT, REMOVE & DISPOSE, CIP.	433	SY
137	343.07	EXISTING CURB, ASPHALT CONCRETE, REMOVE AND DISPOSE, CIP	1,000	LF
138	343.08	EXISTING CURB AND GUTTER OR VALLEY GUTTER, PC CONCRETE, REMOVE AND DISPOSE, CIP	500	LF
139	343.085	EXISTING SIDEWALK AND RAMPS, 4" PC CONCRETE, REMOVE AND DISPOSE, CIP	1,250	SY
140	410.03	EXISTING CHAIN LINK FENCE, REMOVE AND REINSTALL, CIP	500	SF
141	915.07	CATCH BASIN, EXISTING, REMOVE AND DISPOSE ANY TYPE, INCL. CLEANUP COMPLETE - SD2200	3	EA
142	621.4.1	MOBILIZATION (NOT TO EXCEED 5% OF ABOVE SUBTOTAL)	1	LS

nm811
Know what's below. Call before you dig.
TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

60% SUBMITTAL

Designed By:
HUITT-ZOLLARS
Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: UNSER BOULEVARD RECONSTRUCTION
SUMMARY OF QUANTITIES

Design Review Committee | City Engineer | Mo./Day/Yr. | Mo./Day/Yr. | Last Update

City Project No. 4383.91 | Zone Map No. J-09-Z, J-10-Z, K-09-Z, K-10-Z | Sheet 6 Of 77

CONTROL NO. A302050 SHEET 1-6

AS BUILT INFORMATION
CONTRACTOR | DATE
WORK STAKED BY | DATE
INSPECTOR'S ACCEPTANCE BY | DATE
FIELD VERIFICATION BY | DATE
DRAWINGS CORRECTED BY | DATE
MICRO-FILM INFORMATION
RECORDED BY | DATE
NO.

BENCH MARKS
FOUND MONUMENT "7_K10"
STANDARD 3 1/4" ALUMINUM DISC
NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1983)
N=1,483,739.165
E=1,498,962.651
PUBLISHED EL=5097.854 (NAVD 1988)
GROUND TO GRID FACTOR=0.999683006
MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
PRELIMINARY
NOT FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.
FOR REVIEW ONLY.
SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

NO. | DATE | REMARKS | BY
REVISIONS
DESIGN

DESIGNED BY: GM DATE: DEC. 16, 2016
DRAWN BY: LRT DATE: DEC. 16, 2016
DWG NAME: 1-6_SOQ.dwg PROJ #: R304101.01
CHECKED BY: SAE DATE: DEC. 16, 2016

ENVIRONMENTAL COMMITMENTS: CN A300200

THE CONTRACTOR SHALL REFER TO SECTION 107 OF THE CURRENT EDITION OF THE STANDARD SPECIFICATIONS, MAKING SPECIAL NOTE OF SUB-SECTION 107.14: CONTRACTOR'S RESPONSIBILITIES FOR ENVIRONMENTAL AND CULTURAL RESOURCE PROTECTION.

[ ] NO ADDITIONAL PROJECT-SPECIFIC ENVIRONMENTAL REQUIREMENTS APPLY.

[X] IN ADDITION TO SECTION 107, THE FOLLOWING PROJECT-SPECIFIC ENVIRONMENTAL REQUIREMENTS APPLY:

ENVIRONMENTAL COMMITMENTS

1.

NMDOT ENVIRONMENTAL PROGRAM MANAGER DATE

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CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:
UNSER BOULEVARD RECONSTRUCTION
ENVIRONMENTAL NOTES

Design Review Committee	City Engineer	Last Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4383.91 | Zone Map No. J-09-Z, J-10-Z, K-09-Z, K-10-Z | Sheet 7 Of 77

CONTROL NO. A302050 SHEET 1-7

AS BUILT INFORMATION: CONTRACTOR; WORK STAKED BY; INSPECTOR'S ACCEPTANCE BY; FIELD VERIFICATION BY; DRAWINGS CORRECTED BY; DATE
MICRO-FILM INFORMATION: RECORDED BY; NO.; DATE

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MAPPING ANGLE=-0°16'18.14"

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FOR REVIEW ONLY.
SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

REVISIONS: NO. | DATE | REMARKS | BY

DESIGN
DESIGNED BY: GM DATE: DEC. 16, 2016
DRAWN BY: LRT DATE: DEC. 16, 2016
DWG NAME: 1-7-ENV.dwg PROJ #: R304101.01
CHECKED BY: SAE DATE: DEC. 16, 2016

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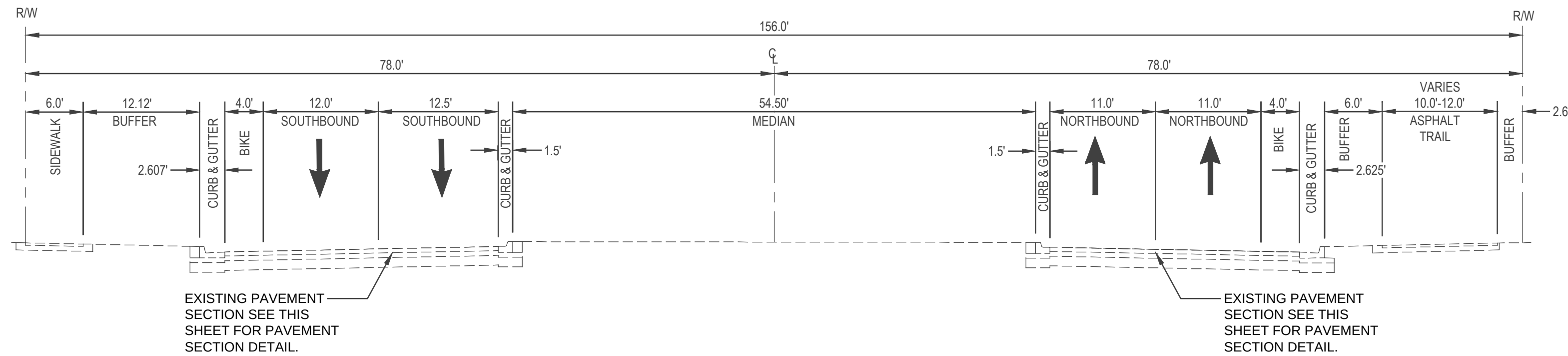
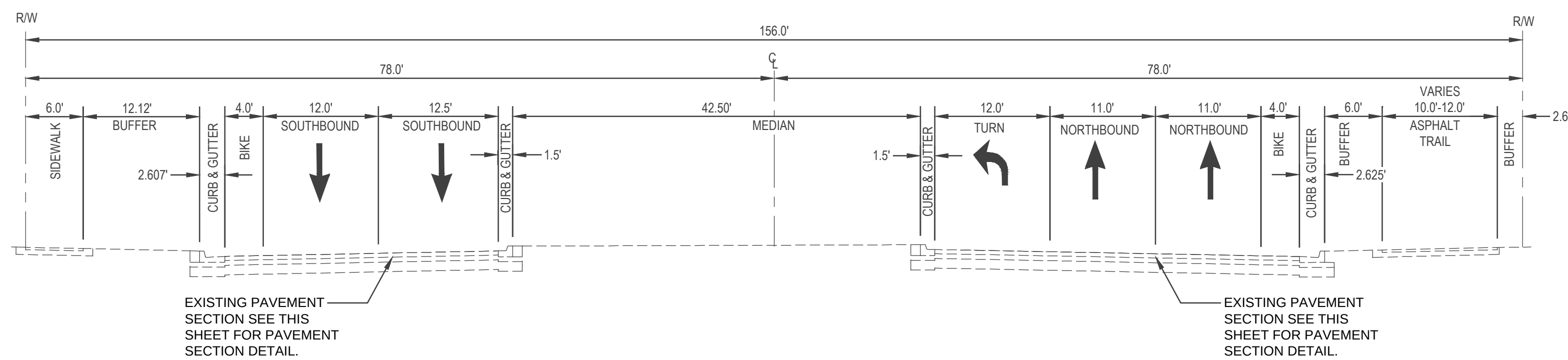


UNSER BOULEVARD

156' R/W
SCALE: NTS
A

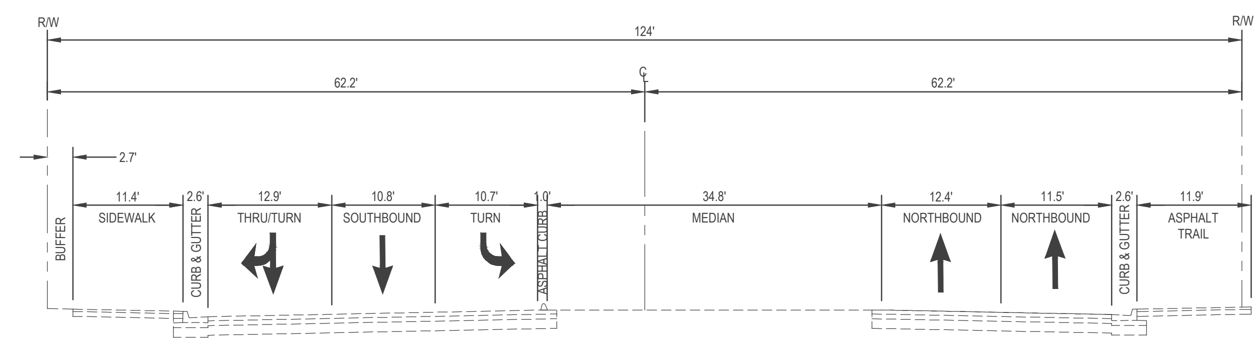
STA. 9+50.31 TO STA.10+51.00 - TRANSITION AT FREDERICK LANE
STA. 10+51.00 TO STA.10+86.95
STA. 10+86.98 TO STA. 12+32.00 - TRANSITION



UNSER BOULEVARD

156' R/W
SCALE: NTS
B

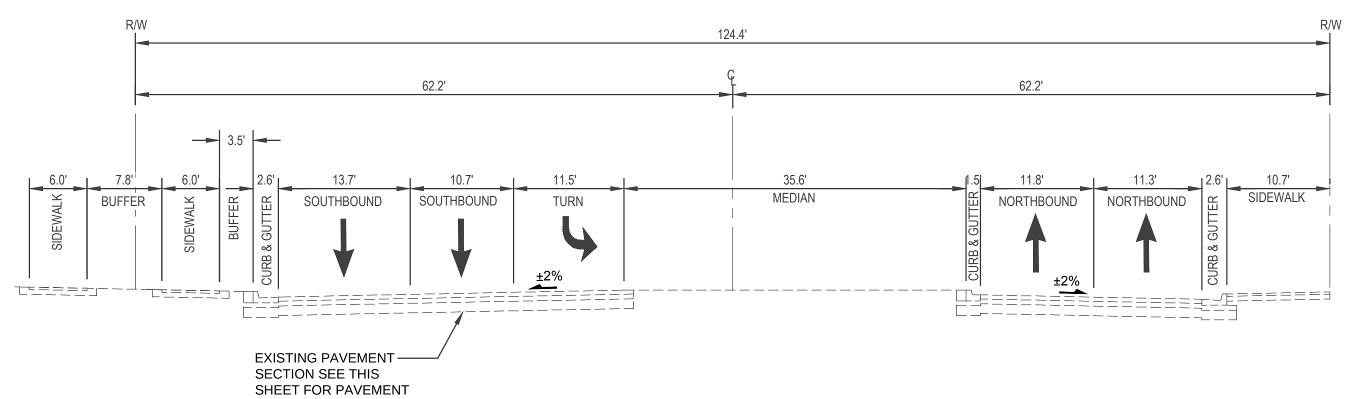
STA. 12+32.00 TO 13+84.72
CENTRAL AVENUE STA. 13+84.72 TO 15.32+32



UNSER BOULEVARD

124' R/W
SCALE: NTS
C

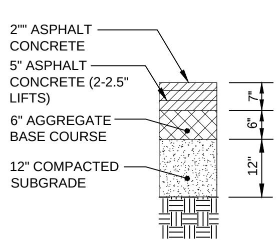
STA. 15+32.32 TO 22+27.22
TRANSITION STA. 22+27.22 TO 21+00.00



UNSER BOULEVARD

124' R/W
SCALE: NTS
D

STA. 21+00.00 TO 23+43.87
SARRACINO PLACE 23+43.87 TO 24+45.06
TRANSITION STA. 24+45.08 TO EOP STA. 26+72.14



EXISTING PAVEMENT SECTION

UNSER BOULEVARD

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60% SUBMITTAL

AS BUILT INFORMATION
CONTRACTOR | DATE
WORK STARTED BY | DATE
INSPECTOR'S ACCEPTANCE BY | DATE
FIELD VERIFICATION BY | DATE
DRAWINGS CORRECTED BY | DATE
MICRO-FILM INFORMATION
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GROUND TO GRID FACTOR=0.999683006
MAPPING ANGLE=-0°16'18.14"

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FIELD NOTES
NO. | BY | DATE

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SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

NO. | DATE | REMARKS | BY
REVISIONS
DESIGN
DESIGNED BY: GM | DATE: DEC. 16, 2016
DRAWN BY: LRT | DATE: DEC. 16, 2016
DWG NAME: 2-1_EXTYPSECT.dwg | PROJ #: R304101.01
CHECKED BY: SAE | DATE: DEC. 16, 2016

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811 OR 260-1990

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Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

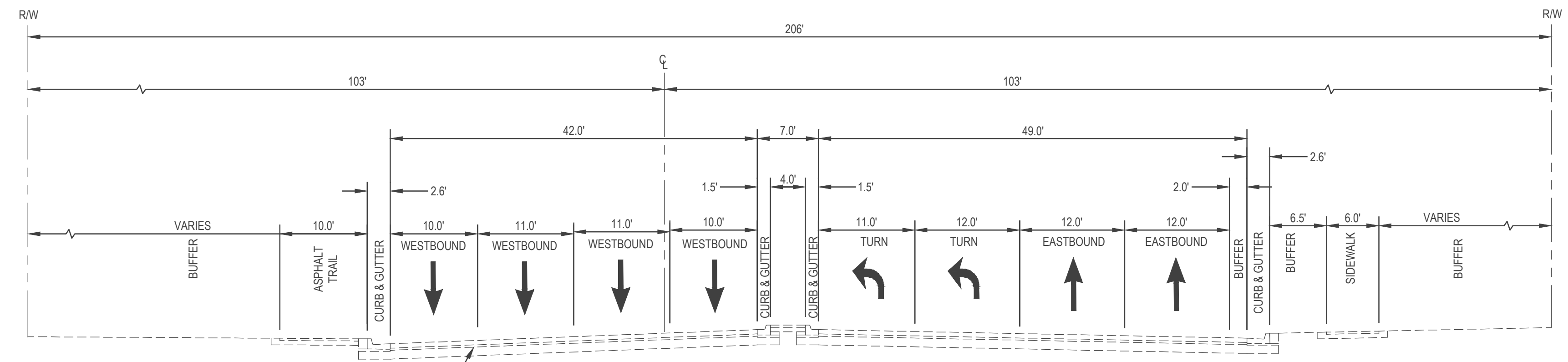
TITLE:
UNSER BOULEVARD RECONSTRUCTION
EXISTING TYPICAL SECTIONS

Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.

Last Update

City Project No. 4383.91
Zone Map No. J-09-Z, J-10-Z, K-09-Z, K-10-Z
Sheet 8 Of 77

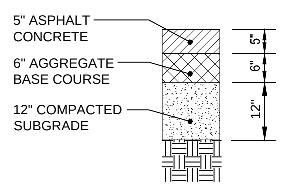
CONTROL NO. A302050
SHEET 2–1



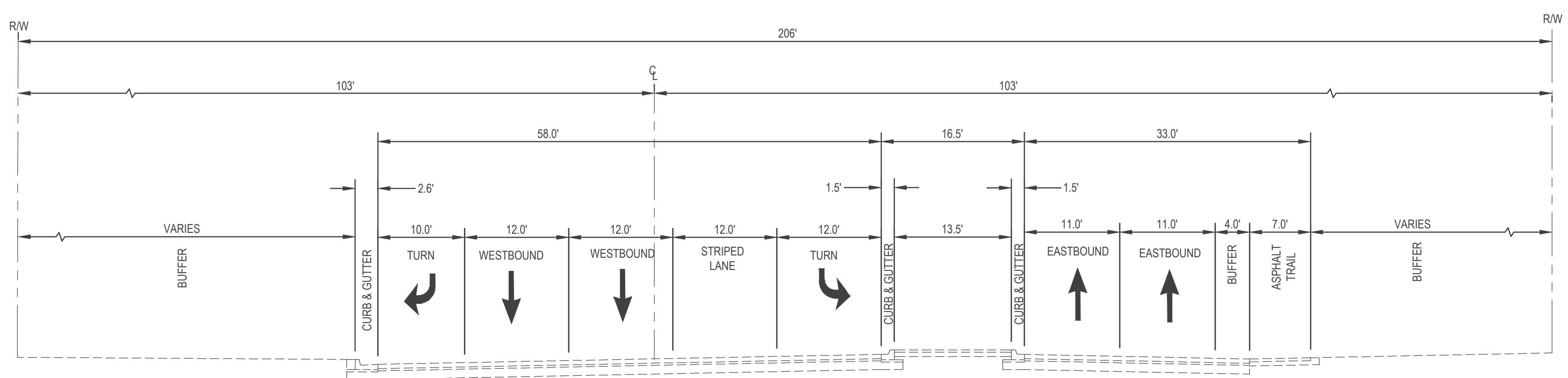
EXISTING PAVEMENT SECTION SEE THIS SHEET FOR PAVEMENT SECTION DETAIL.

CENTRAL AVENUE (A)

206' R/W
SCALE: NTS
TRANSITION BOP STA. 7+00.00 TO 13+00.00
STA. 13+00.00 TO 15+88.50
UNSER BOULEVARD STA. 15+88.50 TO 17+44.88



EXISTING PAVEMENT SECTION
CENTRAL AVENUE



EXISTING PAVEMENT SECTION SEE THIS SHEET FOR PAVEMENT SECTION DETAIL.

CENTRAL AVENUE (B)

206' R/W
SCALE: NTS
STA. 17+44.88 TO 18+75.93
TRANSTION STA. 18+75.93 TO EOP STA. 22+63.73

EXISTING TYPICAL SECTIONWAY	DESIGN SPEED	AADT (2035)	ESALS (20 YEARS)	% HEAVY COMMERCIAL (2030)	% HEAVY COMMERCIAL DURING DHV
UNSER BOULVARD TO SARRACINO PLACE	40 MPH	XXXX	XXXX	X.X	X.X

PAVEMENTS MUST MEET OR EXCEED R-VALUE OF XX. IN AREAS LOWER R-VALVE MATERIAL, THE UPPER 2 FEET OF SUBGRADE SHOULD BE REMOVED AND REPLACED WITH R-VALUE XX OR GREATER MATERIAL.

60% SUBMITTAL

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTOR'S ACCEPTANCE BY
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY
NO.
DATE

BENCH MARKS
FOUND MONUMENT "7_K10"
STANDARD 3 1/4" ALUMINUM DISC
NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1983)
N=1,483,739.165
E=1,498,962.651
PUBLISHED EL=5097.654 (NAVD 1988)
GROUND TO GRID FACTOR=0.999683006
MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
PRELIMINARY
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FOR REVIEW ONLY.
SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

REVISIONS
NO. DATE REMARKS BY

DESIGN
DESIGNED BY: GM DATE: DEC. 16, 2016
DRAWN BY: LRT DATE: DEC. 16, 2016
DWG NAME: 2-1_EXTYPSECT.dwg PROJ #: R304101.01
CHECKED BY: SAE DATE: DEC. 16, 2016

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TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

Designed By:

HUITT-ZOLLARS
Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:
UNSER BOULEVARD RECONSTRUCTION
EXISTING TYPICAL SECTIONS

Design Review Committee	City Engineer	Last Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4383.91
Zone Map No. J-09-Z, J-10-Z, K-09-Z, K-10-Z
Sheet 9 Of 77

CONTROL NO. A302050
SHEET 2–2

Plotted: 1/12/2017 1:57:53 PM, By:Eddings, Scott
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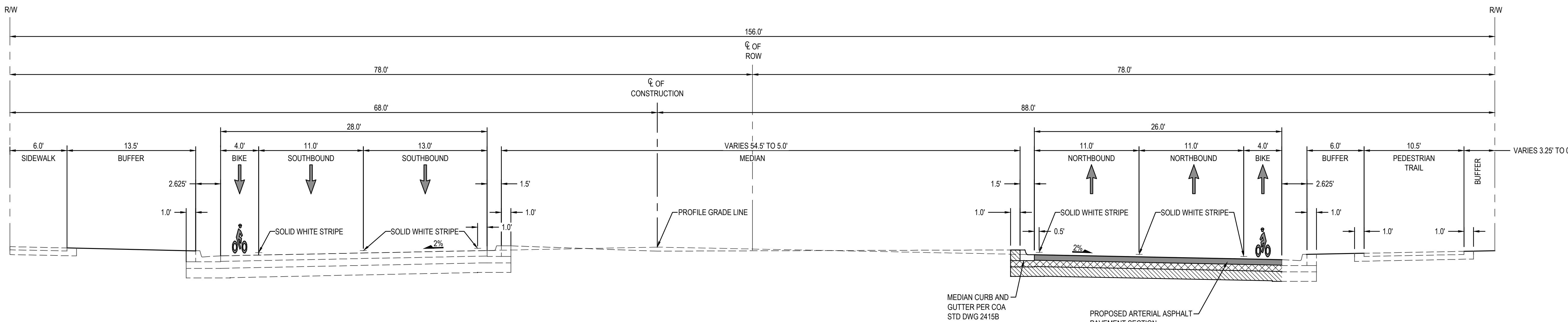
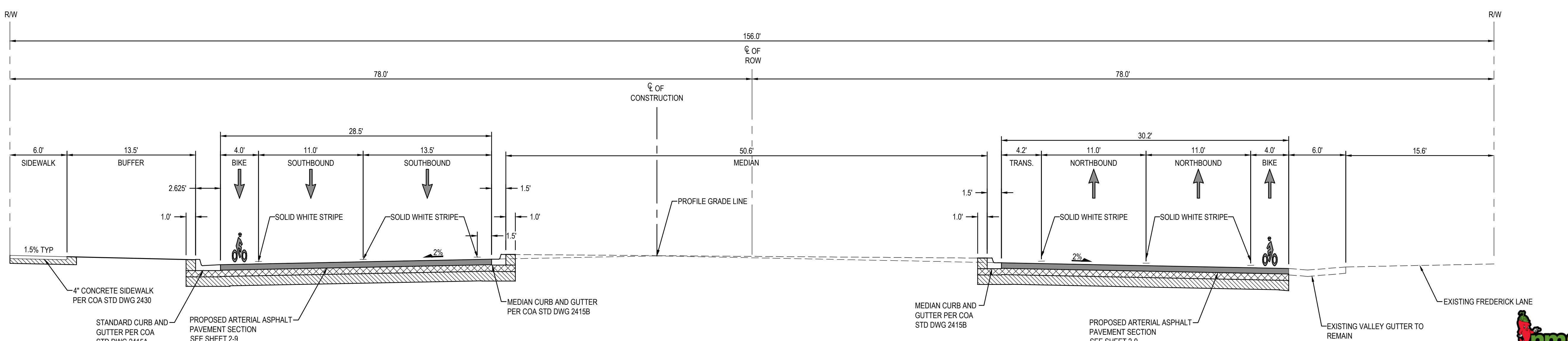


UNSER BOULEVARD (A)

156' R/W
STA. 9+50.31 TO STA.10+00.00
SCALE: 1"=6'



UNSER BOULEVARD (B)

156' R/W
STA. 10+00.00 TO STA.12+15.31
SCALE: 1"=6'

nm811 Know what's below. Call before you dig.
TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
FOUND MONUMENT "7_K10"
STANDARD 3 1/4" ALUMINUM DISC
NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1983)
N=1,483,739.165
E=1,498,962.651
PUBLISHED EL=5097.654 (NAVD 1988)
GROUND TO GRID FACTOR=0.999683006
MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
PRELIMINARY
NOT FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES. FOR REVIEW ONLY.
SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC. Consulting Engineers

REVISIONS
NO. | DATE | REMARKS | BY

DESIGN
DESIGNED BY: GM — DATE: DEC. 16, 2016
DRAWN BY: LRT — DATE: DEC. 16, 2016
DWG NAME: 2-3_PROPTYPSECT.dwg — PROJ #: R304101.01
CHECKED BY: SAE — DATE: DEC. 16, 2016

Designed By:
HUITT-ZOLLARS
Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:
UNSER BOULEVARD RECONSTRUCTION
PROPOSED TYPICAL SECTIONS

Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.

Last Update

City Project No.	Zone Map No.	Sheet	Of
4383.91	J-09-Z, J-10-Z K-09-Z, K-10-Z	10	77

CONTROL NO. A302050 SHEET 2–3

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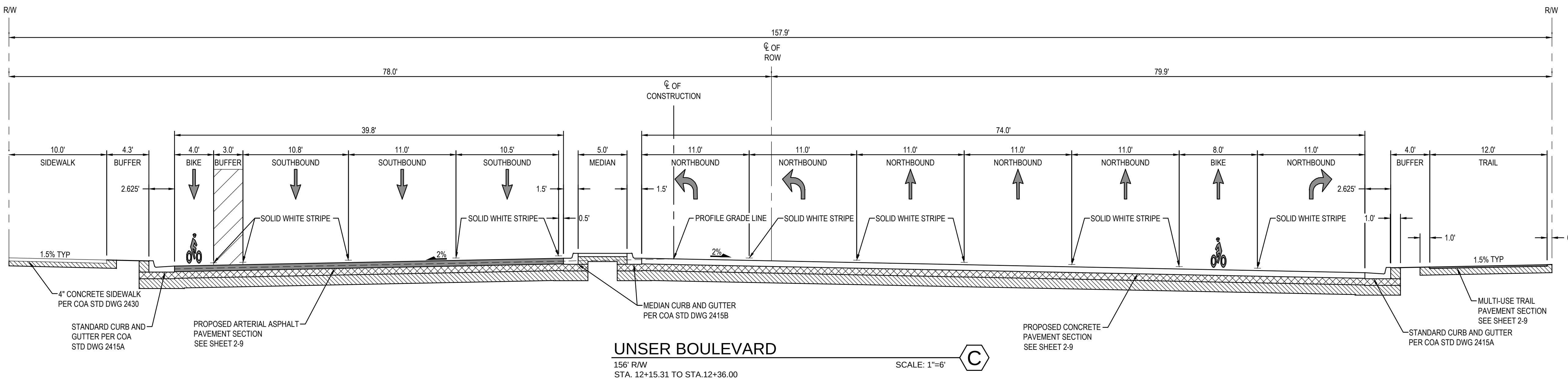
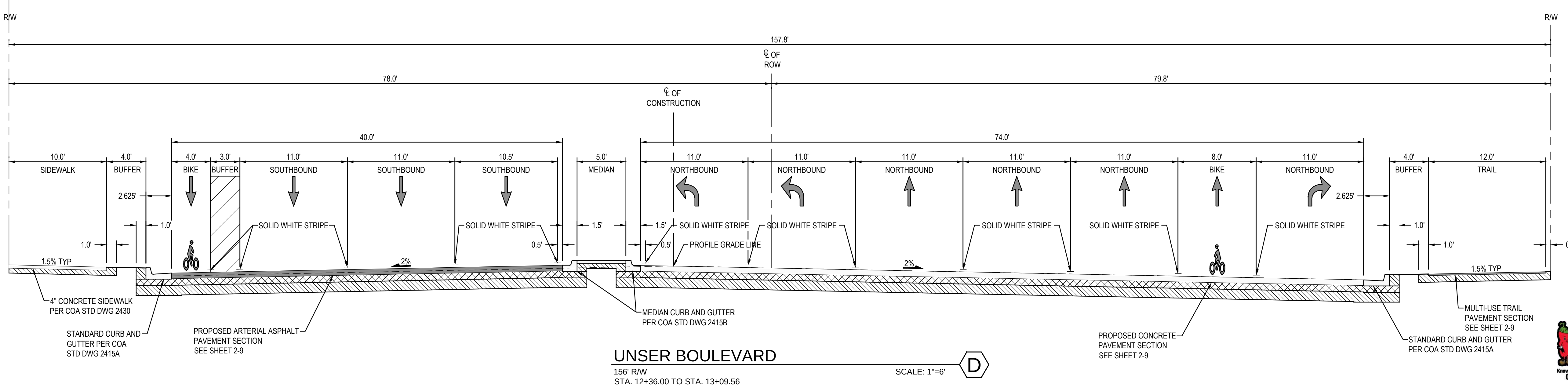
Last Saved:1/5/2017 1:00:18 PM, Mdaya



UNSER BOULEVARD

156' R/W
STA. 12+15.31 TO STA.12+36.00
SCALE: 1"=6'
C



UNSER BOULEVARD

156' R/W
STA. 12+36.00 TO STA. 13+09.56
SCALE: 1"=6'
D

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CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:
UNSER BOULEVARD RECONSTRUCTION
PROPOSED TYPICAL SECTIONS

Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.

Last Update

City Project No. 4383.91
Zone Map No. J-09-Z, J-10-Z, K-09-Z, K-10-Z
Sheet 11 Of 77

CONTROL NO. A302050
SHEET 2-4

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTOR'S ACCEPTANCE BY
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY
NO.
DATE

BENCH MARKS
FOUND MONUMENT "7_K10"
STANDARD 3 1/4" ALUMINUM DISC
NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1983)
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E=1,498,962.651
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GROUND TO GRID FACTOR=0.999683006
MAPPING ANGLE=-0°16'18.14"

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FIELD NOTES
NO. BY DATE

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SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

NO. DATE REMARKS BY
REVISIONS
DESIGN
DESIGNED BY: GM DATE: DEC. 16, 2016
DRAWN BY: LRT DATE: DEC. 16, 2016
DWG NAME: 2-3_PROPTYPSECT.dwg PROJ #: R304101.01
CHECKED BY: SAE DATE: DEC. 16, 2016

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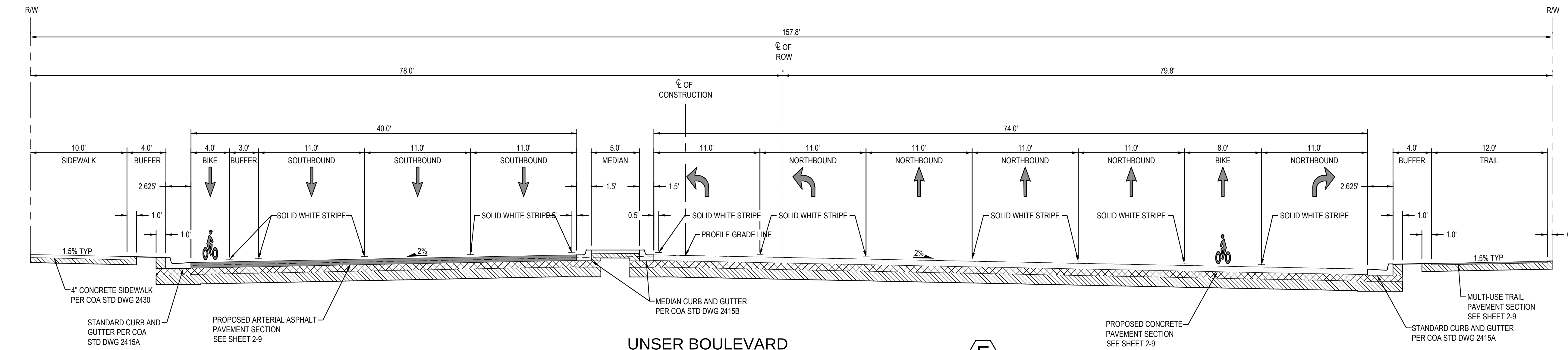
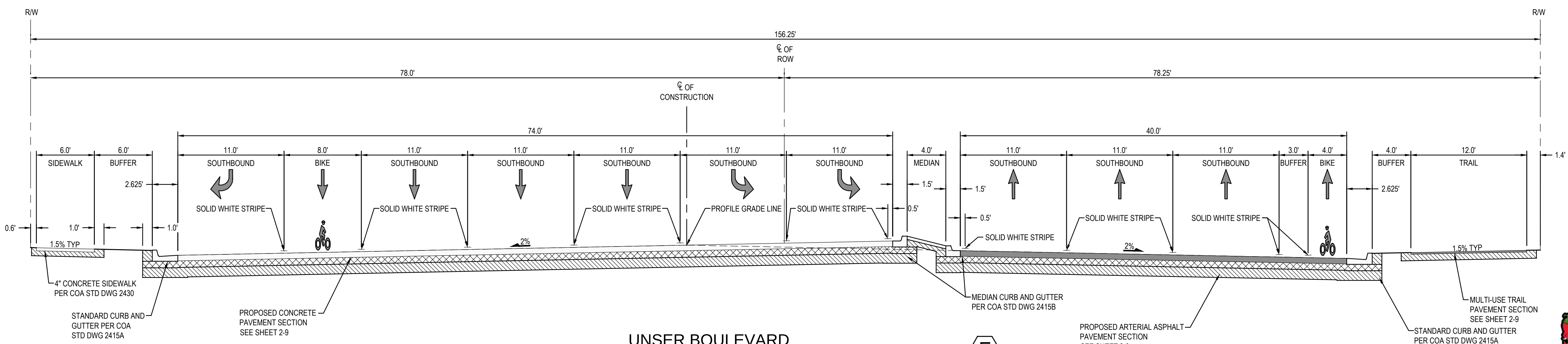


UNSER BOULEVARD

156' R/W
STA. 13+09.56 TO STA. 15+87.12

SCALE: 1"=6'

E



UNSER BOULEVARD

156' R/W
STA. 15+87.12 TO STA. STA. 17+99.21

SCALE: 1"=6'

F

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTOR'S ACCEPTANCE BY
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
DATE
MICRO-FILM INFORMATION
RECORDED BY
NO.
DATE

BENCH MARKS
FOUND MONUMENT "7_K10"
STANDARD 3 1/4" ALUMINUM DISC
NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1983)
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E=1,498,962.651
PUBLISHED EL=5097.654 (NAVD 1988)
GROUND TO GRID FACTOR=0.999683006
MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

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SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

REVISIONS
NO. | DATE | REMARKS | BY

DESIGN
DESIGNED BY: GM | DATE: DEC. 16, 2016
DRAWN BY: LRT | DATE: DEC. 16, 2016
DWG NAME: 2-3_PROPTYPSECT.dwg | PROJ #: R304101.01
CHECKED BY: SAE | DATE: DEC. 16, 2016

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Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

60% SUBMITTAL

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:
UNSER BOULEVARD RECONSTRUCTION
PROPOSED TYPICAL SECTIONS

Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.

Last Update

City Project No. 4383.91
Zone Map No. J-09-Z, J-10-Z K-09-Z, K-10-Z
Sheet 12 Of 77

CONTROL NO. A302050
SHEET 2–5

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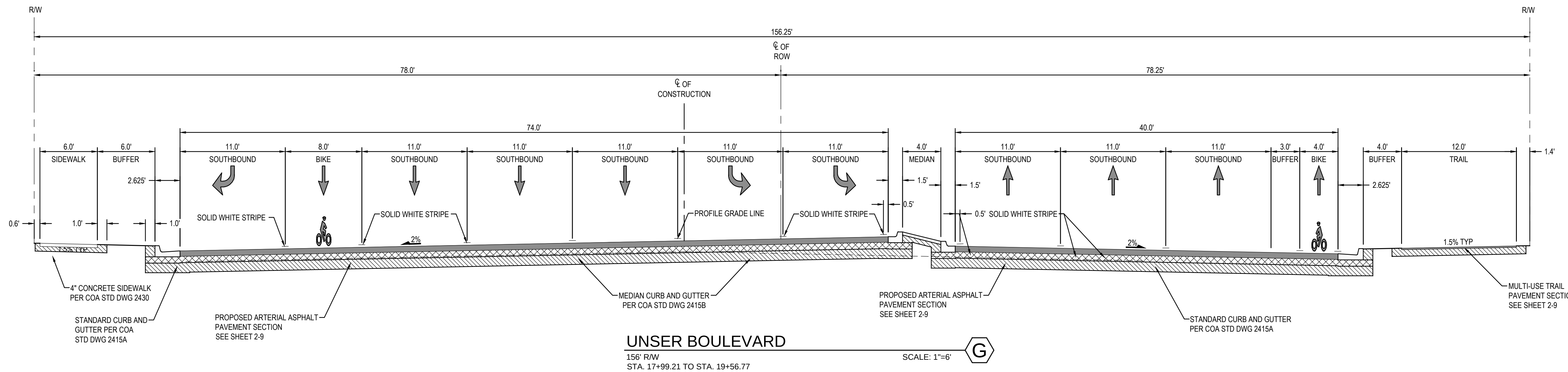
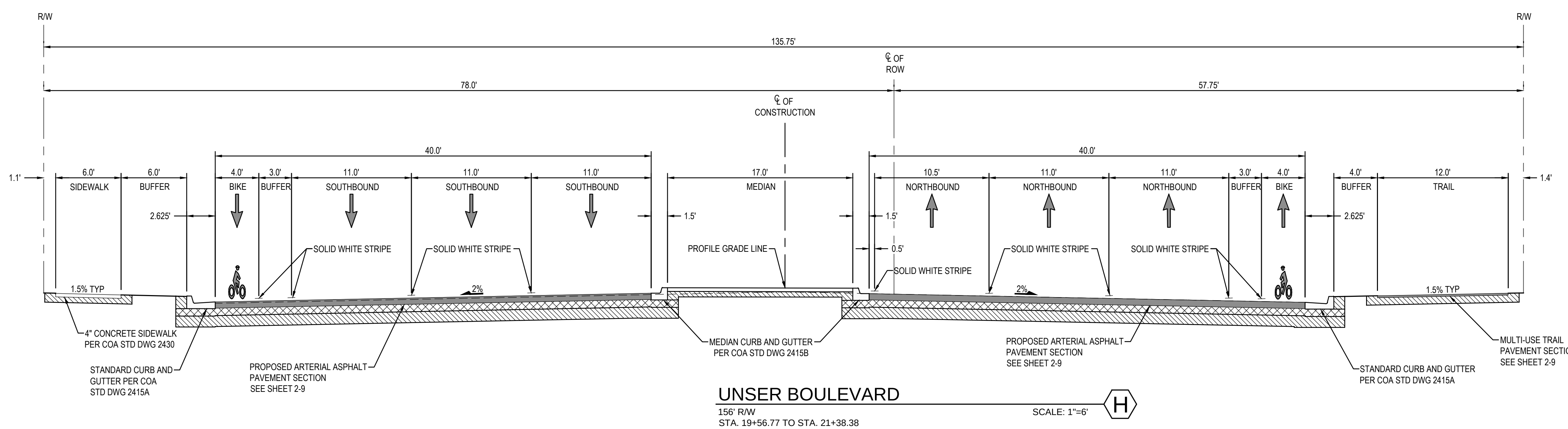


UNSER BOULEVARD (G)

156' R/W

STA. 17+99.21 TO STA. 19+56.77

SCALE: 1"=6'



UNSER BOULEVARD (H)

156' R/W

STA. 19+56.77 TO STA. 21+38.38

SCALE: 1"=6'

AS BUILT INFORMATION
CONTRACTOR | DATE
WORK STAKED BY | DATE
INSPECTOR'S ACCEPTANCE BY | DATE
FIELD VERIFICATION BY | DATE
DRAWINGS CORRECTED BY | DATE

MICRO-FILM INFORMATION
RECORDED BY | DATE
NO.

BENCH MARKS
FOUND MONUMENT "7_K10"
STANDARD 3 1/4" ALUMINUM DISC
NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1983)
N=1,483,739.165
E=1,498,962.651
PUBLISHED EL=5097.854 (NAVD 1988)
GROUND TO GRID FACTOR=0.999683006
MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
PRELIMINARY
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SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC. Consulting Engineers

NO.	DATE	REMARKS	BY

REVISIONS
DESIGN

DESIGNED BY: GM | DATE: DEC. 16, 2016
DRAWN BY: LRT | DATE: DEC. 16, 2016
DWG NAME: 2-3_PROPTYPSECT.dwg | PROJ #: R304101.01
CHECKED BY: SAE | DATE: DEC. 16, 2016

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HUITT-ZOLLARS
Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

60% SUBMITTAL

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:
UNSER BOULEVARD RECONSTRUCTION
PROPOSED TYPICAL SECTIONS

Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.

Last Update

City Project No.	Zone Map No.	Sheet	Of
4383.91	J-09-Z, J-10-Z K-09-Z, K-10-Z	13	77

CONTROL NO. A302050

SHEET 2–6

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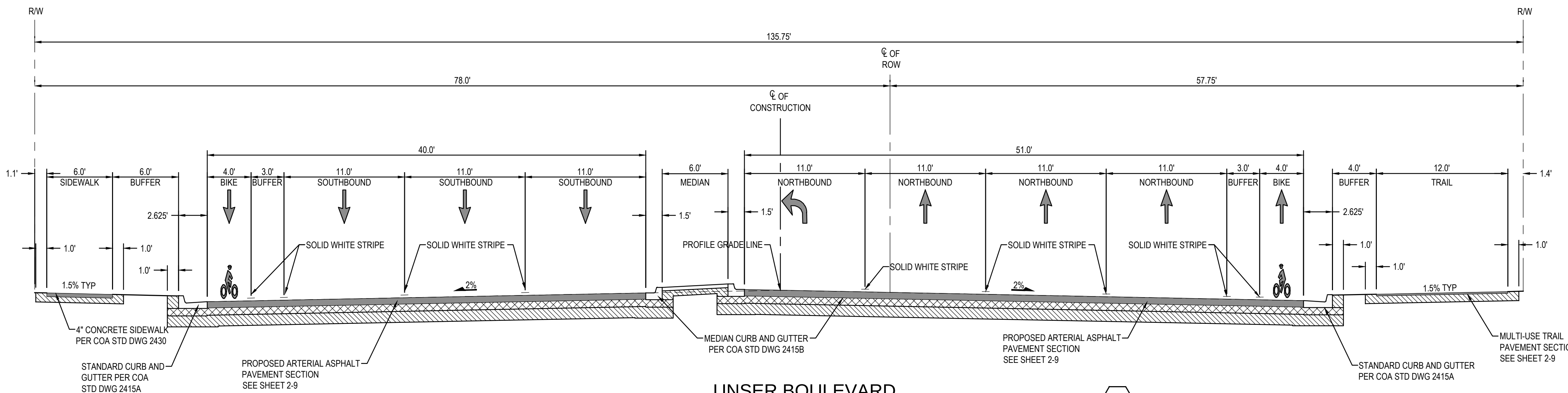
Last Saved:1/5/2017 1:00:18 PM, lahaya

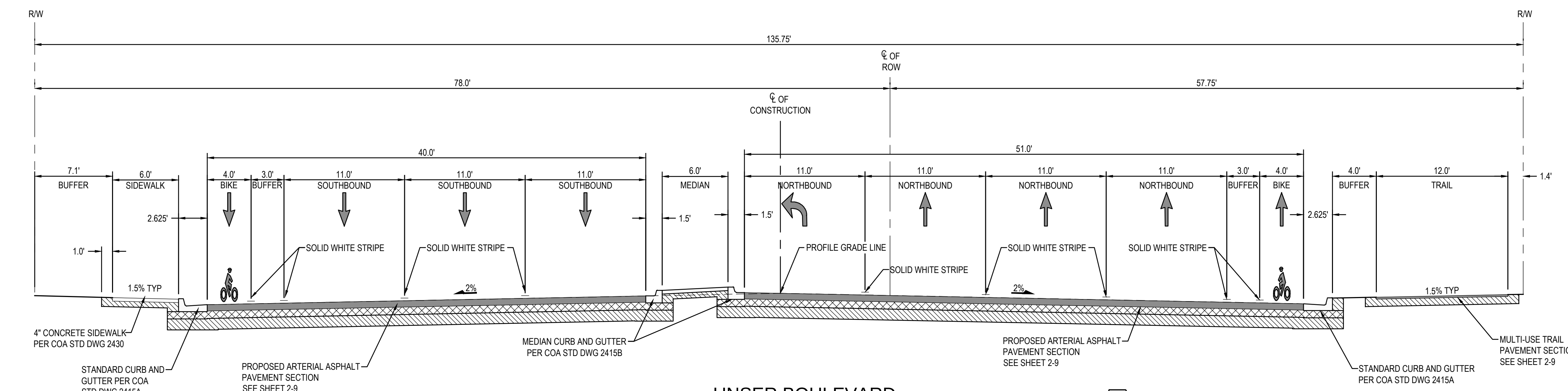


UNSER BOULEVARD (J)

156' R/W

STA. 21+38.38 TO STA. 22+18.87

SCALE: 1"=6'



UNSER BOULEVARD (K)

156' R/W

STA. 22+18.87 TO STA. 23+41.96

SCALE: 1"=6'

Know what's below. Call before you dig.
TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

AS BUILT INFORMATION

CONTRACTOR | DATE
WORK STAKED BY | DATE
INSPECTOR'S ACCEPTANCE BY | DATE
FIELD VERIFICATION BY | DATE
DRAWINGS CORRECTED BY | DATE

MICRO-FILM INFORMATION

RECORDED BY | DATE
NO.

BENCH MARKS

FOUND MONUMENT "7_K10"
STANDARD 3 1/4" ALUMINUM DISC
NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1983)
N=1,483,739.165
E=1,498,962.651
PUBLISHED EL=5097.654 (NAVD 1988)
GROUND TO GRID FACTOR=0.999683006
MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

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SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

REVISIONS

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY: GM | DATE: DEC. 16, 2016
DRAWN BY: LRT | DATE: DEC. 16, 2016
DWG NAME: 2-3_PROPTYPSECT.dwg | PROJ #: R304101.01
CHECKED BY: SAE | DATE: DEC. 16, 2016

Designed By:

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Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:
UNSER BOULEVARD RECONSTRUCTION
PROPOSED TYPICAL SECTIONS

Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.

Last Update

City Project No. 4383.91 | Zone Map No. J-09-Z, J-10-Z, K-09-Z, K-10-Z | Sheet 14 Of 77

CONTROL NO. A302050

SHEET 2–7

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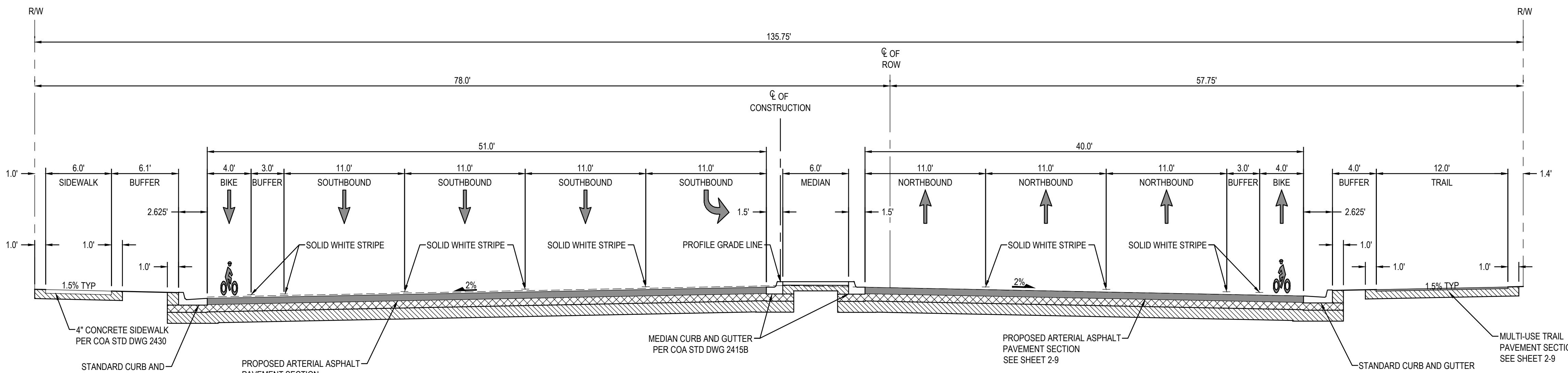
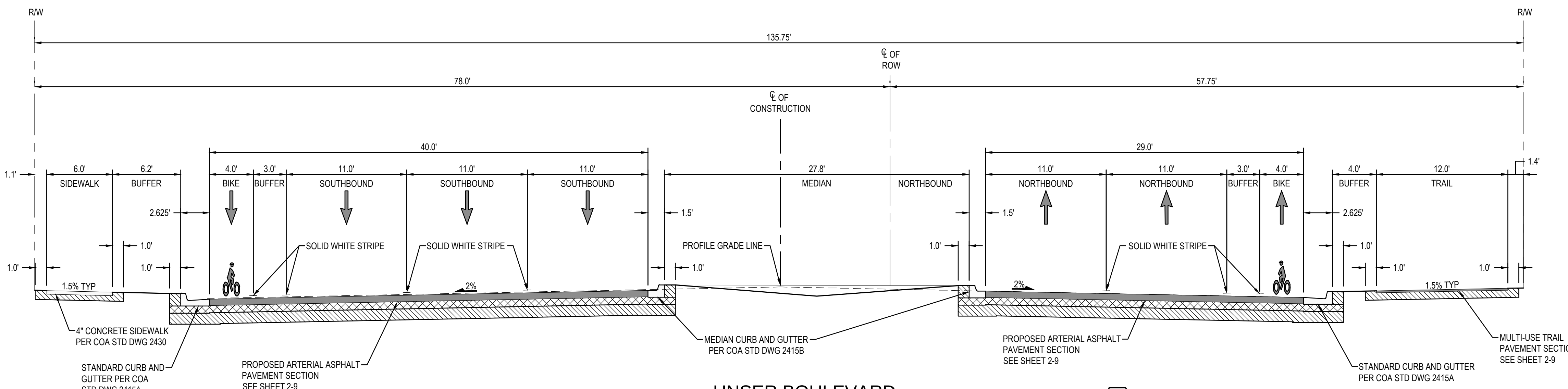


UNSER BOULEVARD
156' R/W
STA. 23+41.96 TO STA. 24+50.83
SCALE: 1"=6'
L



UNSER BOULEVARD
156' R/W
STA. 24+50.83 TO STA.25+87.57
SCALE: 1"=6'
M

AS BUILT INFORMATION
CONTRACTOR | DATE
WORK STAKED BY | DATE
INSPECTOR'S ACCEPTANCE BY | DATE
FIELD VERIFICATION BY | DATE
DRAWINGS CORRECTED BY | DATE
MICRO-FILM INFORMATION
RECORDED BY | DATE
NO.

BENCH MARKS
FOUND MONUMENT "7_K10"
STANDARD 3 1/4" ALUMINUM DISC
NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1983)
N=1,483,739.165
E=1,498,962.651
PUBLISHED EL=5097.654 (NAVD 1988)
GROUND TO GRID FACTOR=0.999683006
MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
PRELIMINARY
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FOR REVIEW ONLY.
SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY: GM | DATE: DEC. 16, 2016
DRAWN BY: LRT | DATE: DEC. 16, 2016
DWG NAME: 2-3_PROPTYPSECT.dwg | PROJ #: R304101.01
CHECKED BY: SAE | DATE: DEC. 16, 2016

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TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

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Phone (505) 883-8114 Fax (505) 883-5022

60% SUBMITTAL

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:
UNSER BOULEVARD RECONSTRUCTION
PROPOSED TYPICAL SECTIONS

Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.

Last Update

City Project No. 4383.91
Zone Map No. J-09-Z, J-10-Z, K-09-Z, K-10-Z
Sheet 15 Of 77

CONTROL NO. A302050
SHEET 2–8

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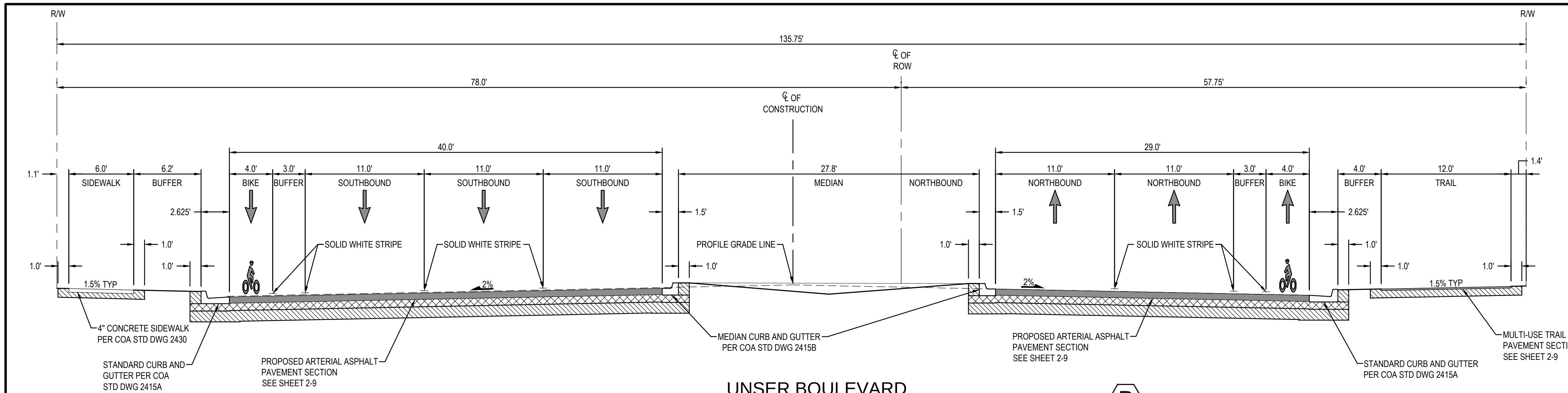
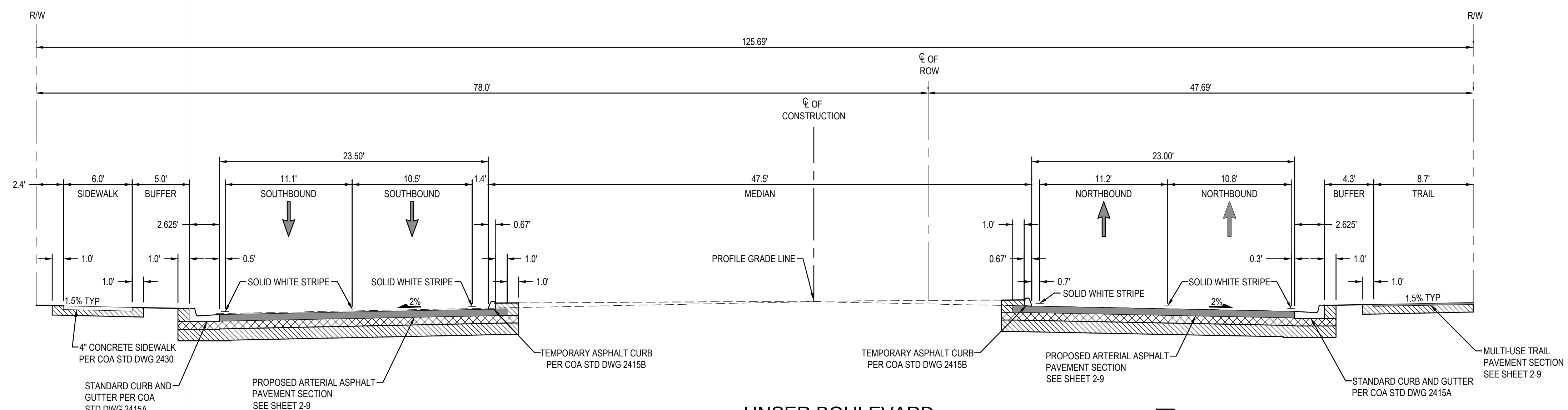


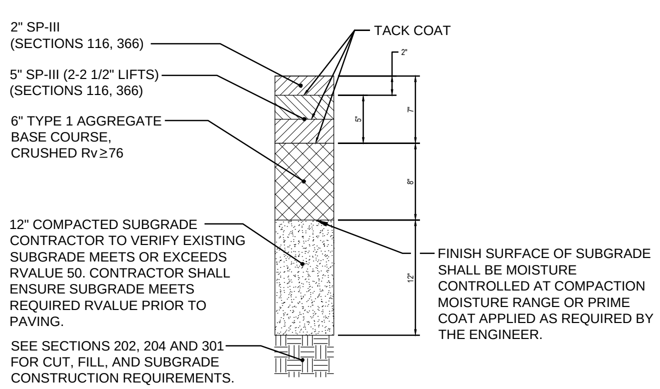
UNSER BOULEVARD

156' R/W
STA. 25+87.57 TO STA.26+74.14
SCALE: 1"=6'
P

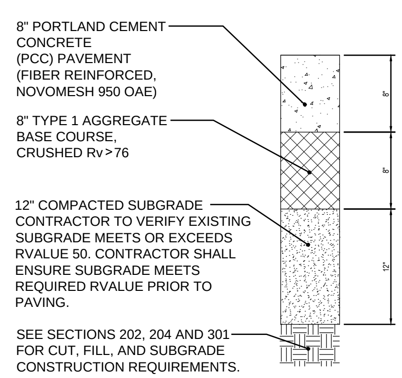


UNSER BOULEVARD

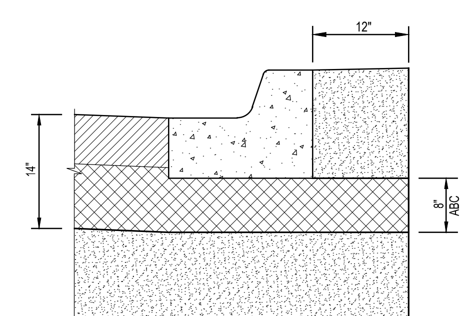
156' R/W
STA.26+74.14
SCALE: 1"=6'
Q



PROPOSED ARTERIAL ASPHALT PAVEMENT SECTION
UNSER BOULEVARD
CENTRAL AVENUE



PROPOSED ARTERIAL CONCRETE PAVEMENT SECTION
UNSER BOULEVARD
CENTRAL AVENUE



TYPICAL BASE COURSE PLACEMENT

nm811 Know what's below. Call before you dig. TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

Designed By:
HUITT-ZOLLARS
Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

60% SUBMITTAL

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:
UNSER BOULEVARD RECONSTRUCTION
PROPOSED TYPICAL SECTIONS

Design Review Committee	City Engineer	Last Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4383.91
Zone Map No. J-09-Z, J-10-Z, K-09-Z, K-10-Z
Sheet 16 Of 77

CONTROL NO. A302050
SHEET 2–9

AS BUILT INFORMATION
CONTRACTOR DATE
WORK STAKED BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
FOUND MONUMENT "7_K10"
STANDARD 3 1/4" ALUMINUM DISC
NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1983)
N=1,483,739.165
E=1,498,962.651
PUBLISHED EL=5097.854 (NAVD 1988)
GROUND TO GRID FACTOR=0.999663006
MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
PRELIMINARY
NOT FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.
FOR REVIEW ONLY.
SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

NO.	DATE	REMARKS	BY
REVISIONS			

DESIGN
DESIGNED BY: GM DATE: DEC. 16, 2016
DRAWN BY: LRT DATE: DEC. 16, 2016
DWG NAME: 2-3_PROPTYPSECT.dwg PROJ #: R304101.01
CHECKED BY: SAE DATE: DEC. 16, 2016

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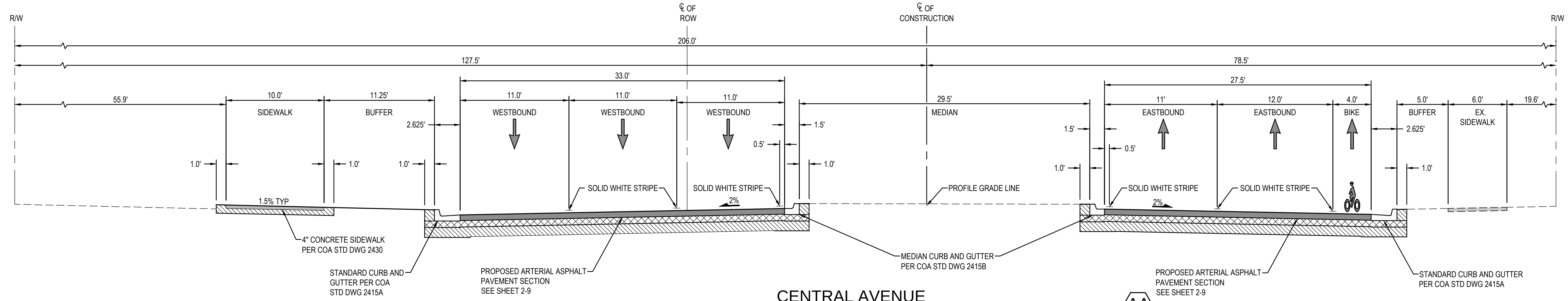
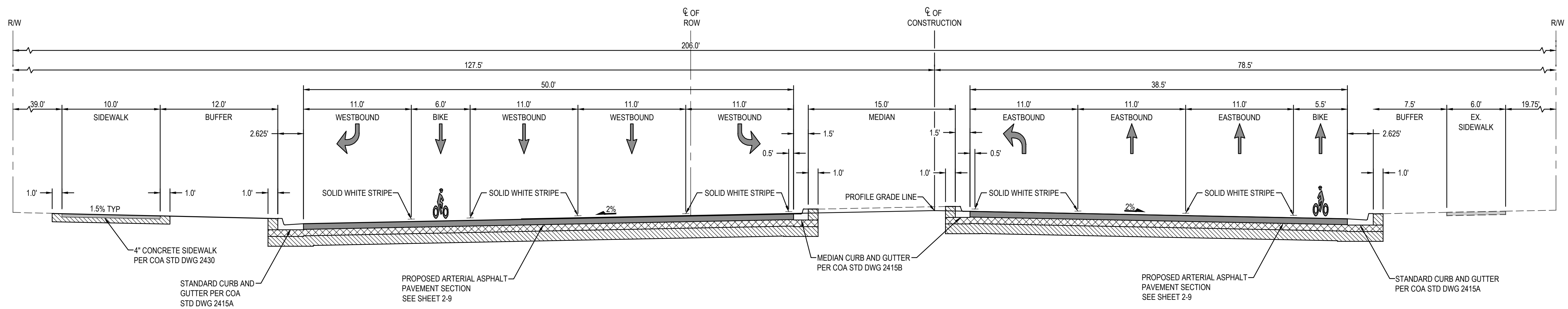


CENTRAL AVENUE (AA)

206' R/W
STA. 7+00.00 TO STA. 9+32.14
SCALE: 1"=6'



CENTRAL AVENUE (BB)

206' R/W
STA. 9+32.14 TO STA. 10+73.56
SCALE: 1"=6'

AS BUILT INFORMATION
CONTRACTOR | DATE
WORK STARTED BY | DATE
INSPECTOR'S ACCEPTANCE BY | DATE
FIELD VERIFICATION BY | DATE
DRAWINGS CORRECTED BY | DATE
MICRO-FILM INFORMATION
RECORDED BY | DATE
NO.

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SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC. Consulting Engineers

REVISIONS
NO. | DATE | REMARKS | BY

DESIGN
DESIGNED BY: GM | DATE: DEC. 16, 2016
DRAWN BY: LRT | DATE: DEC. 16, 2016
DWG NAME: 2-10_PROPTYPSECT-Central.dwg | PROJ #: R304101.01
CHECKED BY: SAE | DATE: DEC. 16, 2016

nm811 Know what's below. Call before you dig.
TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

Designed By:
HUITT-ZOLLARS
Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

60% SUBMITTAL

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:
UNSER BOULEVARD RECONSTRUCTION
PROPOSED TYPICAL SECTIONS

Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.

Last Update

City Project No. 4383.91
Zone Map No. J-09-Z, J-10-Z, K-09-Z, K-10-Z
Sheet 17 Of 77

CONTROL NO. A302050
SHEET 2–10

Plotted: 1/12/2017 1:59:23 PM, By:Eddings, Scott
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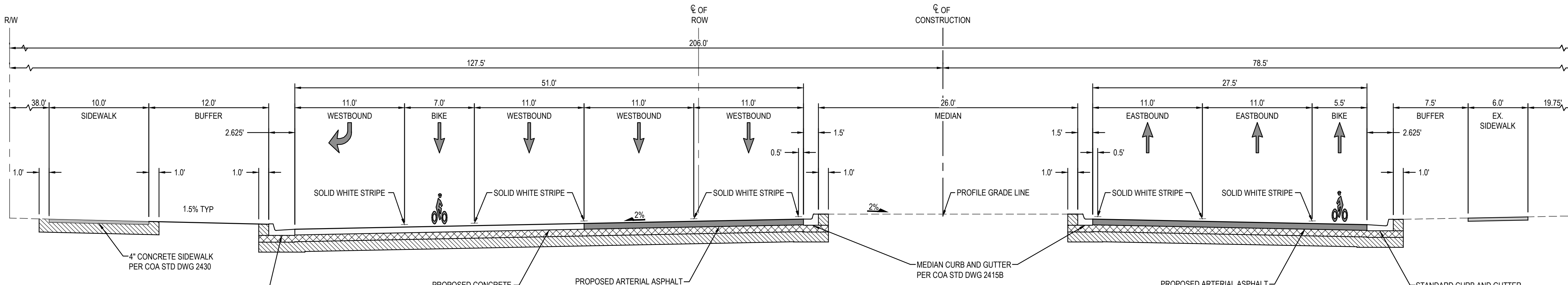
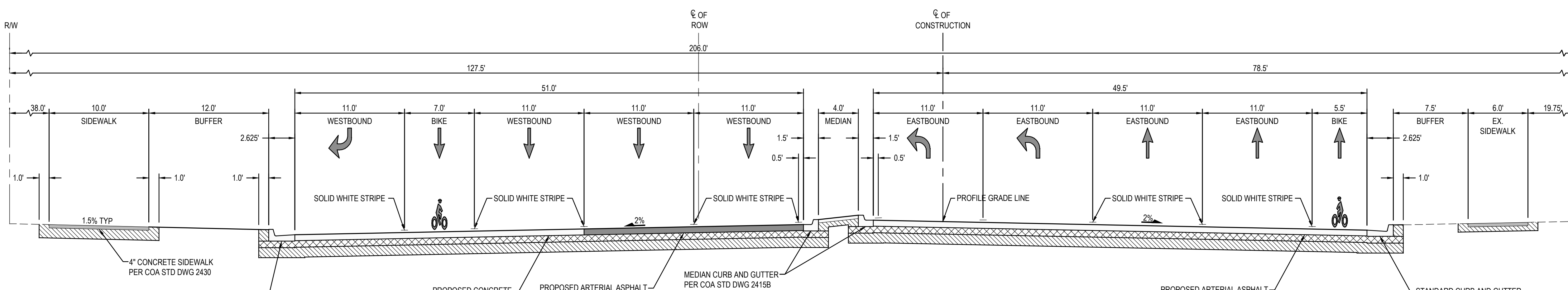


CENTRAL AVENUE
206' R/W
STA. 10+73.56 TO STA. 12+21.39
SCALE: 1"=6'
CC



CENTRAL AVENUE
206' R/W
STA. 12+21.39 TO STA. 15+20.37
SCALE: 1"=6'
DD

AS BUILT INFORMATION
CONTRACTOR | DATE
WORK STAKED BY | DATE
INSPECTOR'S ACCEPTANCE BY | DATE
FIELD VERIFICATION BY | DATE
DRAWINGS CORRECTED BY | DATE

MICRO-FILM INFORMATION
RECORDED BY | DATE
NO.

BENCH MARKS
FOUND MONUMENT "7_K10"
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PUBLISHED EL=5097.654 (NAVD 1988)
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MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
PRELIMINARY
NOT FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES. FOR REVIEW ONLY.
SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY: GM | DATE: DEC. 16, 2016
DRAWN BY: LRT | DATE: DEC. 16, 2016
DWG NAME: 2-10_PROPTYPSECT-Central.dwg | PROJ #: R304101.01
CHECKED BY: SAE | DATE: DEC. 16, 2016

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Know what's below. Call before you dig.
TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

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Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
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CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:
UNSER BOULEVARD RECONSTRUCTION
PROPOSED TYPICAL SECTIONS

Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.

Last Update

60% SUBMITTAL

City Project No. 4383.91
Zone Map No. J-09-Z, J-10-Z K-09-Z, K-10-Z
Sheet 18 Of 77

CONTROL NO. A302050
SHEET 2–11

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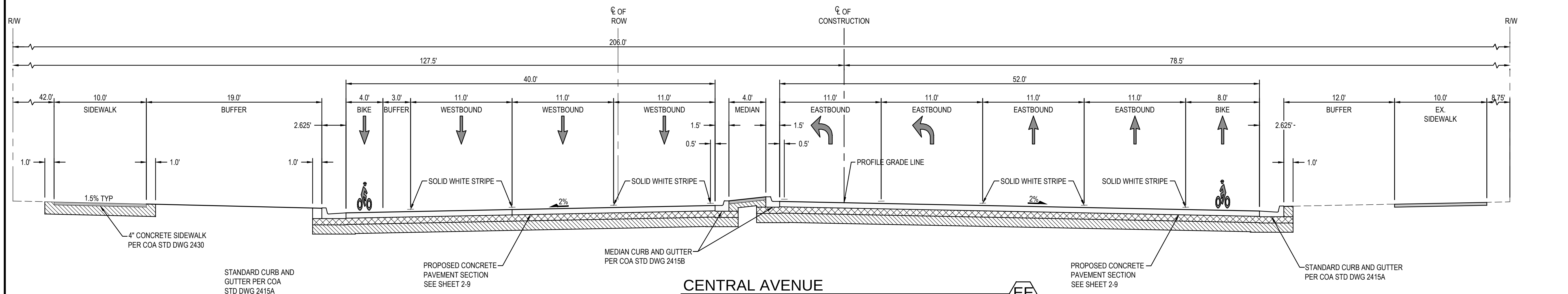
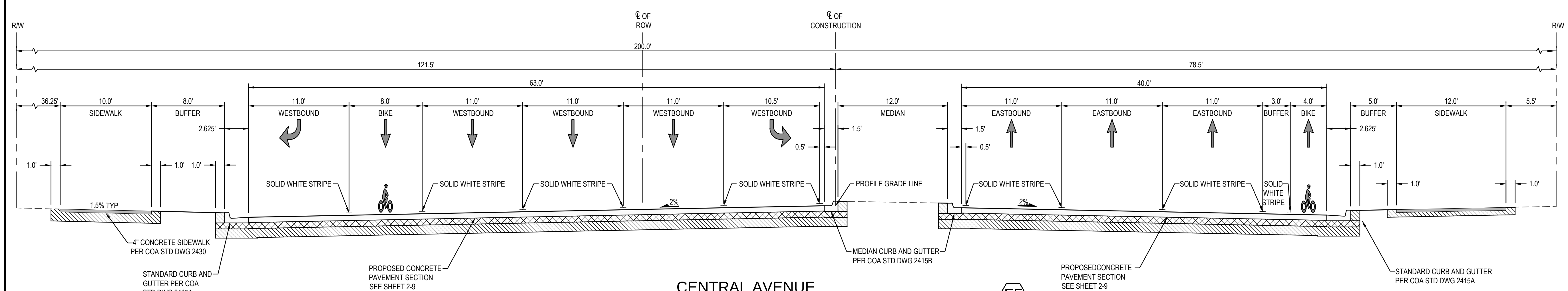


CENTRAL AVENUE

206' R/W
STA. 15+20.37 TO STA. 17+69.00
SCALE: 1"=6'
EE



CENTRAL AVENUE

206' R/W
STA. 17+69.00 TO STA. 20+21.60
SCALE: 1"=6'
FF

nm811 Know what's below. Call before you dig.
TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTOR'S ACCEPTANCE BY
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
DATE
MICRO-FILM INFORMATION
RECORDED BY
NO.
DATE

BENCH MARKS
FOUND MONUMENT "7_K10"
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MAPPING ANGLE=-0°16'18.14"

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FIELD NOTES
NO. BY DATE

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SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC. Consulting Engineers

REVISIONS
NO. DATE REMARKS BY

DESIGN
DESIGNED BY: GM DATE: DEC. 16, 2016
DRAWN BY: LRT DATE: DEC. 16, 2016
DWG NAME: 2-10_PROPTYPSECT-Central.dwg PROJ #: R304101.01
CHECKED BY: SAE DATE: DEC. 16, 2016

Designed By:
HUITT-ZOLLARS
Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:
UNSER BOULEVARD RECONSTRUCTION
PROPOSED TYPICAL SECTIONS

Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.

Last Update

60% SUBMITTAL

City Project No.	Zone Map No.	Sheet	Of
4383.91	J-09-Z, J-10-Z K-09-Z, K-10-Z	19	77

CONTROL NO. A302050
SHEET 2-12

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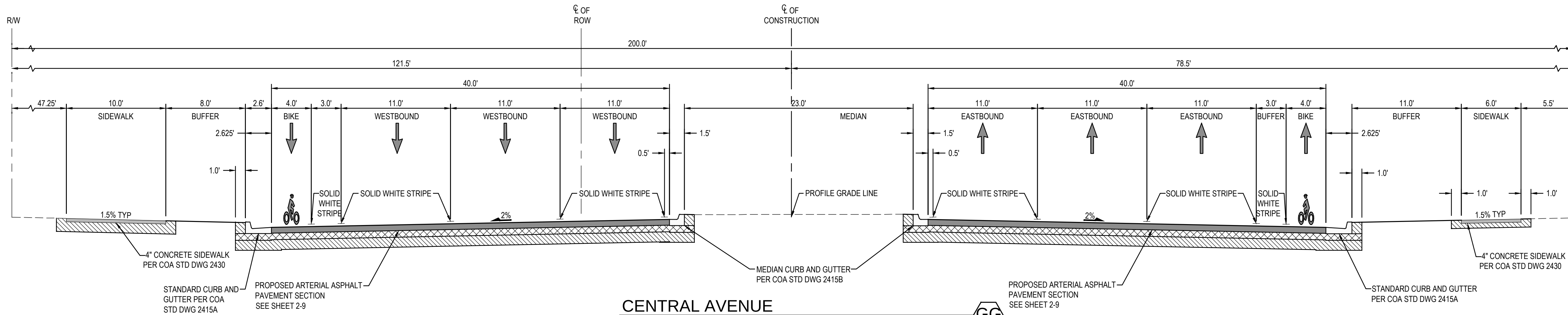
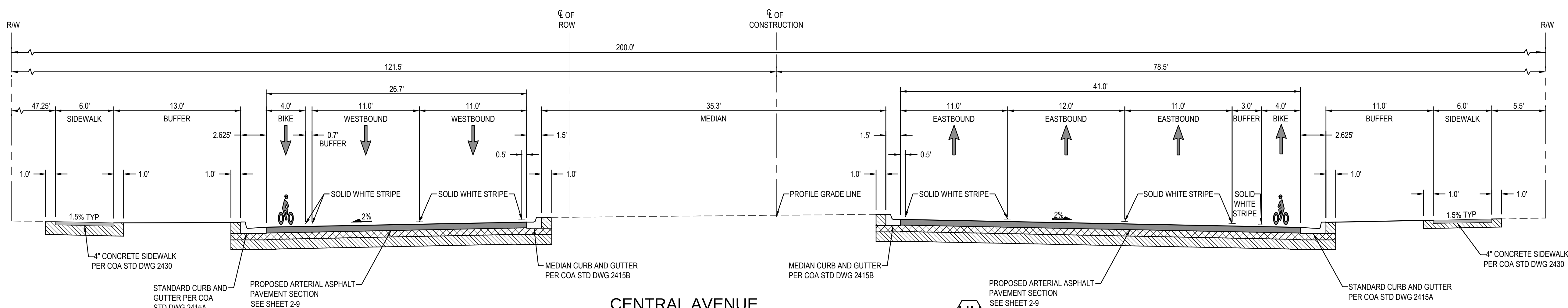


CENTRAL AVENUE GG
206' R/W
STA. 20+21.60 TO STA. 22+63.73
SCALE: 1"=6'



CENTRAL AVENUE HH
206' R/W
STA. 22+63.73 TO STA. 23+43.02
SCALE: 1"=6'

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TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

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AS BUILT INFORMATION
CONTRACTOR DATE
WORK STARTED BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
FOUND MONUMENT "7_K10"
STANDARD 3 1/4" ALUMINUM DISC
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PUBLISHED EL=5097.654 (NAVD 1988)
GROUND TO GRID FACTOR=0.999683006
MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
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SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC. Consulting Engineers

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY: GM DATE: DEC. 16, 2016
DRAWN BY: LRT DATE: DEC. 16, 2016
DWG NAME: 2-10_PROPTYPSECT-Central.dwg PROJ #: R304101.01
CHECKED BY: SAE DATE: DEC. 16, 2016

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Albuquerque, New Mexico 87110
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CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:
UNSER BOULEVARD RECONSTRUCTION
PROPOSED TYPICAL SECTIONS

Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.
		Last Update	

City Project No. 4383.91
Zone Map No. J-09-Z, J-10-Z, K-09-Z, K-10-Z
Sheet 20 Of 77

CONTROL NO. A302050
SHEET 2–13

Plotted: 1/12/2017 1:59:49 PM, By:Eddings, Scott
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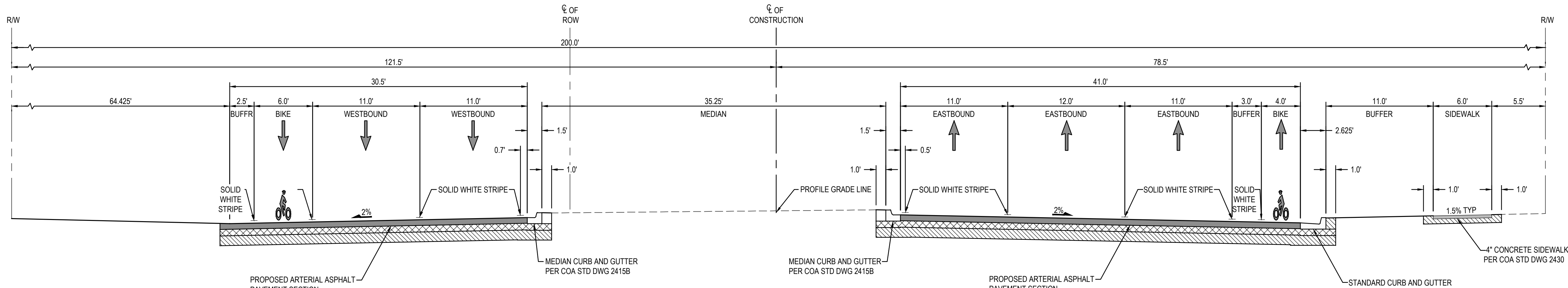
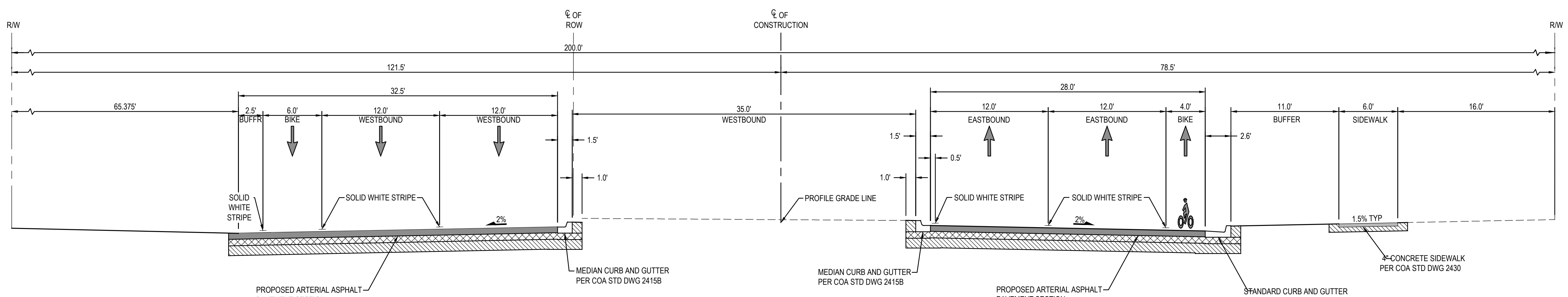


CENTRAL AVENUE

206' R/W
STA. 23+43.02 TO STA. 25+71.49
SCALE: 1"=6'
JJ



CENTRAL AVENUE

206' R/W
STA. 25+71.49
SCALE: 1"=6'
KK

Know what's below. Call before you dig.
TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

60% SUBMITTAL

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MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:
UNSER BOULEVARD RECONSTRUCTION
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Design Review Committee	City Engineer	Last Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4383.91
Zone Map No. J-09-Z, J-10-Z, K-09-Z, K-10-Z
Sheet 21 Of 77

CONTROL NO. A302050
SHEET 2-14

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTOR'S ACCEPTANCE BY
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
MICRO-FILM INFORMATION
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SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC. Consulting Engineers

REVISIONS
NO. DATE REMARKS BY

DESIGN
DESIGNED BY: GM DATE: DEC. 16, 2016
DRAWN BY: LRT DATE: DEC. 16, 2016
DWG NAME: 2-10_PROPTYPSECT-Central.dwg PROJ #: R304101.01
CHECKED BY: SAE DATE: DEC. 16, 2016

Plotted: 1/12/2017 1:59:59 PM, By:Eddings, Scott
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Last Saved:1/4/2017 7:18:25 PM, luttoya

SURFACING SCHEDULE

STATION TO STATION		LENGTH	DESCRIPTION	301.025 SUBGRADE PREPARATION		302.01X BASE COURSE			336.022 HMA 2" LIFT SPIII COMPLETE			336.023 HMA 2-1/2" LIFT SPIII COMPLETE			336.010 PRIME COAT MATERIAL		336.120 TACK COAT MATERIAL		337.040 8" PCC PAVEMENT COMPLETE	
				WIDTH (FT)	AREA (SY)	WIDTH (FT)	DEPTH (IN)	AREA (SY)	WIDTH (FT)	DEPTH (IN)	AREA (SY)	WIDTH (FT)	DEPTH (IN)	AREA (SY)	WIDTH (FT)	AREA (SY)	WIDTH (FT)	AREA (SY)	WIDTH (FT)	AREA (SY)
UNSER BOULEVARD - NORTHBOUND																				
09+50.31	10+00.00	49.7	2 THRU LANES & BIKE LANE	38.25	211	38.25	8	211	26.0	2	144	26.0	5	287	26.00	143.5	26	143.5	0.0	0
10+00.00	12+15.31	215.3	TRANSISITION, 2 THRU LANES & BIKE LANE	42.45	1,016	42.45	8	1,016	30.2	2	722	30.2	5	1,445	30.20	722.5	30	722.5	0.0	0
12+15.31	12+36.00	20.7	2 LEFT TURN LANES, 3 THRU LANES, BIKE LANE & RIGHT TURN LANE	86.25	198	86.25	8	198	0.0	2	0	0.0	5	0	0.00	0.0	0	0.0	74.0	170
12+36.00	13+09.56	73.6	2 LEFT TURN LANES, 3 THRU LANES, BIKE LANE & RIGHT TURN LANE	86.25	705	86.25	8	705	0.0	2	0	0.0	5	0	0.00	0.0	0	0.0	74.0	605
13+09.56	13+94.70	85.1	2 LEFT TURN LANES, 3 THRU LANES, BIKE LANE &RIGHT TURN LANE	86.25	816	86.25	8	816	0.0	2	0	0.0	5	0	0.00	0.0	0	0.0	74.0	700
13+94.70	15+24.87	130.2	CENTRAL INTERSECTION	52.25	756	52.25	8	756	40.0	2	579	40.0	5	1,157	74.00	1,070.3	74	1,070.3	40.0	579
15+24.87	15+87.12	62.3	3 THRU LANES, BUFFER & BIKE LANE	52.25	361	52.25	8	361	40.0	2	277	40.0	5	553	40.00	276.7	40	276.7	40.0	277
15+87.12	17+99.21	212.1	3 THRU LANES, BUFFER & BIKE LANE	52.25	1,231	52.25	8	1,231	40.0	2	943	40.0	5	1,885	40.00	942.6	40	942.6	0.0	0
17+99.21	19+56.77	157.6	3 THRU LANES, BUFFER & BIKE LANE	52.25	915	52.25	8	915	40.0	2	700	40.0	5	1,401	40.00	700.3	40	700.3	0.0	0
19+56.77	21+38.38	181.6	3 THRU LANES, BUFFER & BIKE LANE	52.25	1,054	52.25	8	1,054	40.0	2	807	40.0	5	1,614	40.00	807.2	40	807.2	0.0	0
21+38.38	22+18.87	80.5	1 LEFT TURN LANE, 3 THRU LANES, BUFFER & BIKE LANE	63.25	566	63.25	8	566	51.0	2	456	51.0	5	912	51.00	456.1	51	456.1	0.0	0
22+18.87	23+41.96	123.1	1 LEFT TURN LANE, 3 THRU LANES, BUFFER & BIKE LANE	63.25	865	63.25	8	865	51.0	2	698	51.0	5	1,395	51.00	697.5	51	697.5	0.0	0
23+41.96	24+50.83	108.9	3 THRU LANES, BUFFER & BIKE LANE	52.25	632	52.25	8	632	40.0	2	484	40.0	5	968	40.00	483.9	40	483.9	0.0	0
24+50.83	25+87.57	136.7	2 THRU LANES, BUFFER & BIKE LANE	41.25	627	41.25	8	627	29.0	2	441	29.0	5	881	29.00	440.6	29	440.6	0.0	0
25+87.57	25+87.57	0.0	NONE	35.25	0	35.25	8	0	23.0	2	0	23.0	5	0	23.00	0.0	23	0.0	0.0	0
			SUBTOTAL		**9,953**			**9,953**			**6,249**			**12,499**		**6,741.1**		**6,741.1**		**2,330**
UNSER BOULEVARD - SOUTHBOUND																				
09+50.31	10+00.00	49.7	NONE	0.00	0	0.00	8	0	0.0	2	0	0.0	5	0	0.00	0.0	0	0.0	0.0	0
10+00.00	12+15.31	215.3	2 THRU LANES & BIKE LANE	40.75	975	40.75	8	975	28.5	2	682	28.5	5	1,364	28.50	681.8	29	681.8	0.0	0
12+15.31	12+36.00	20.7	3 THRU LANES, BUFFER & BIKE LANE	52.05	120	52.05	8	120	39.8	2	91	39.8	5	183	39.80	91.5	40	91.5	0.0	0
12+36.00	13+09.56	73.6	3 THRU LANES, BUFFER & BIKE LANE	52.25	427	52.25	8	427	40.0	2	327	40.0	5	654	40.00	326.9	40	326.9	0.0	0
13+09.56	13+94.70	85.1	3 THRU LANES, BUFFER & BIKE LANE	52.25	494	52.25	8	494	40.0	2	378	40.0	5	757	40.00	378.4	40	378.4	0.0	0
13+94.70	15+24.87	130.2	CENTRAL INTERSECTION	66.25	958	66.25	8	958	54.0	2	781	54.0	5	1,562	74.00	1,070.3	74	1,070.3	54.0	781
15+24.87	15+87.12	62.3	3 THRU LANES, BUFFER & BIKE LANE	86.25	597	86.25	8	597	74.0	2	512	74.0	5	1,024	74.00	511.8	74	511.8	74.0	512
15+87.12	17+99.21	212.1	3 THRU LANES, BUFFER & BIKE LANE	86.25	2,033	86.25	8	2,033	74.0	2	1,744	74.0	5	3,488	74.00	1,743.9	74	1,743.9	74.0	1,744
17+99.21	19+56.77	157.6	3 THRU LANES, BUFFER & BIKE LANE	52.25	915	52.25	8	915	40.0	2	700	40.0	5	1,401	40.00	700.3	40	700.3	0.0	0
19+56.77	21+38.38	181.6	3 THRU LANES, BUFFER & BIKE LANE	52.25	1,054	52.25	8	1,054	40.0	2	807	40.0	5	1,614	40.00	807.2	40	807.2	0.0	0
21+38.38	22+18.87	80.5	3 THRU LANES, BUFFER & BIKE LANE	52.25	467	52.25	8	467	40.0	2	358	40.0	5	715	40.00	357.7	40	357.7	0.0	0
22+18.87	23+41.96	123.1	3 THRU LANES, BUFFER & BIKE LANE	52.25	715	52.25	8	715	40.0	2	547	40.0	5	1,094	40.00	547.1	40	547.1	0.0	0
23+41.96	24+50.83	108.9	1 LEFT TURN LANE, 3 THRU LANES, BUFFER & BIKE LANE	63.25	765	63.25	8	765	51.0	2	617	51.0	5	1,234	51.00	616.9	51	616.9	0.0	0
24+50.83	25+87.57	136.7	2 THRU LANES, BUFFER & BIKE LANE	52.25	794	52.25	8	794	40.0	2	608	40.0	5	1,215	40.00	607.7	40	607.7	0.0	0
25+87.57	25+87.57	0.0	2 THRU LANES	35.75	0	35.75	8	0	23.5	2	0	23.5	5	0	23.50	0.0	24	0.0	0.0	0
			SUBTOTAL		**10,313**			**10,313**			**8,152**			**16,304**		**8,441.5**		**8,441.5**		**3,037**
CENTRAL AVENUE - EASTBOUND																				
07+00.00	09+32.14	232.1	3 THRU LANES	39.75	1,025	39.75	8	1,025	27.5	2	709	27.5	5	1,419	27.50	709.3	28	709.3	0.0	0
09+32.14	10+73.56	141.4	LEFT TURN LANE, 2 THRU LANES & BIKE LANE	50.75	797	50.75	8	797	38.5	2	605	38.5	5	1,210	38.50	605.0	39	605.0	0.0	0
10+73.56	12+21.39	147.8	2 THRU LANES & BIKE LANE	39.75	653	39.75	8	653	27.5	2	452	27.5	5	903	27.50	451.7	28	451.7	0.0	0
12+21.39	15+20.37	299.0	2 LEFT TURN LANES, 2 THRU LANES & BIKE LANE	61.75	2,051	61.75	8	2,051	49.5	2	1,644	49.5	5	3,289	49.50	1,644.4	50	1,644.4	49.5	1,644
15+20.37	17+69.00	248.6	2 LEFT TURN LANES, 2 THRU LANES & BIKE LANE	64.25	1,775	64.25	8	1,775	52.0	2	1,437	52.0	5	2,873	52.00	1,436.5	52	1,436.5	52.0	1,437
17+69.00	20+21.60	252.6	CENTRAL INTERSECTION	52.25	1,466	52.25	8	1,466	40.0	2	1,123	40.0	5	2,245	74.00	2,076.9	74	2,076.9	0.0	0
20+21.60	22+63.73	242.1	3 THRU LANES, BUFFER & BIKE LANE	52.25	1,406	52.25	8	1,406	40.0	2	1,076	40.0	5	2,152	40.00	1,076.1	40	1,076.1	0.0	0
22+63.73	23+43.02	79.3	3 THRU LANES, BUFFER & BIKE LANE	86.25	760	86.25	8	760	41.0	2	361	41.0	5	722	41.00	361.2	41	361.2	0.0	0
23+43.02	25+71.49	228.5	3 THRU LANES, BUFFER & BIKE LANE	53.25	1,352	53.25	8	1,352	41.0	2	1,041	41.0	5	2,082	41.00	1,040.8	41	1,040.8	0.0	0
25+71.49	25+71.49	0.0	2 THRU LANES & BIKE LANE	0.00	0	0.00	8	0	0.0	2	0	0.0	5	0	0.00	0.0	0	0.0	0.0	0
			SUBTOTAL		**11,286**			**11,286**			**8,448**			**16,895**		**9,402.0**		**9,402.0**		**3,081**
CENTRAL AVENUE - WESTBOUND																				
07+00.00	09+32.14	232.1	3 THRU LANES	45.25	1,167	45.25	8	1,167	33.0	2	851	33.0	5	1,702	33.00	851.2	33	851.2	0.0	0
09+32.14	10+73.56	141.4	RIGHT TURN LANE, BIKE LANE, 2 THRU LANES & LEFT TURN LANE	62.25	978	62.25	8	978	39.0	2	613	39.0	5	1,226	39.00	612.8	39	612.8	11.0	173
10+73.56	12+21.39	147.8	RIGHT TURN LANE, BIKE LANE & 3 THRU LANES	63.25	1,039	63.25	8	1,039	22.0	2	361	22.0	5	723	22.00	361.4	22	361.4	29.0	476
12+21.39	15+20.37	299.0	RIGHT TURN LANE, BIKE LANE & 3 THRU LANES	63.25	2,101	63.25	8	2,101	22.0	2	731	22.0	5	1,462	22.00	730.8	22	730.8	29.0	963
15+20.37	17+69.00	248.6	3 THRU LANES, BUFFER & BIKE LANE	52.25	1,443	52.25	8	1,443	0.0	2	0	0.0	5	0	0.00	0.0	0	0.0	40.0	1,105
17+69.00	20+21.60	252.6	RIGHT TURN LANE, BIKE LANE, 3 THRU LANES & LEFT TURN LANE	75.25	2,112	75.25	8	2,112	0.0	2	0	0.0	5	0	0.00	0.0	74	2,076.9	63.0	1,768
20+21.60	22+63.73	242.1	3 THRU LANES, BUFFER & BIKE LANE	52.25	1,406	52.25	8	1,406	40.0	2	1,076	40.0	5	2,152	40.00	1,076.1	40	1,076.1	0.0	0
22+63.73	23+43.02	79.3	2 THRU LANES, BUFFER & BIKE LANE	38.95	343	38.95	8	343	26.7	2	235	26.7	5	470	26.70	235.2	27	235.2	0.0	0
23+43.02	25+71.49	228.5	2 THRU LANES, BIKE LANE & BUFFER	40.13	1,019	40.13	8	1,019	31.5	2	800	31.5	5	1,599	31.50	799.6	32	799.6	0.0	0
25+71.49	25+71.49	0.0	2 THRU LANES, BIKE LANE & BUFFER	42.13	0	42.13	8	0	33.5	2	0	33.5	5	0	33.50	0.0	34	0.0	0.0	0
			SUBTOTAL		**11,608**			**11,608**			**4,667**			**9,334**		**4,667.2**		**6,744.1**		**4,486**
			PROJECT USE		**43,160**			**43,160**			**27,517**			**55,033**		**29,252**		**31,329**		**12,934**

SURFACING FACTORS	PG 64-22	TACK COAT	PRIME COAT	UNIT WEIGHT	
ITEM	% BY WT. OF TOTAL	SECT. 407 GAL/SY	SECT. 408 GAL/SY	LBS/CY	GALLON/ TON
TYPE I BASE COURSE				X	
TACK COAT MATERIAL		***0.08			X
PRIME COAT MATERIAL			***0.45		X
HOT MIX ASPHALT SP-III COMPLETE	*5.8%			X	

*ESTIMATING PURPOSES ONLY, ACTUAL WEIGHTS OR PERCENT SHALL BE DETERMINED BY APPROVED MIX DESIGN.
**ESTIMATING PURPOSES ONLY, ACTUAL PERCENT SHALL BE DETERMINED BY DISTRICT LAB.
***ESTIMATING PURPOSES ONLY, APPLICATION RATE SHALL BE DETERMINED BY THE PROJECT MANAGER.

Plotted: 1/12/2017 2:00:17 PM, By:Eddings, Scott
H:\proj\R304101.01 Unser\10 CADD & BIM\Sheet Set\2-15_SS.dwg
Last Saved:12/16/2016 1:29:56 PM, seddings

60% SUBMITTAL

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTOR'S ACCEPTANCE BY
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY
NO.
DATE

BENCH MARKS
FOUND MONUMENT "7_K10"
STANDARD 3 1/4" ALUMINUM DISC
NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1983)
N=1,483,739.165
E=1,498,962.651
PUBLISHED EL=5097.854 (NAVD 1988)
GROUND TO GRID FACTOR=0.999663006
MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
PRELIMINARY
NOT FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES. FOR REVIEW ONLY.
SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

NO. DATE REVISIONS REMARKS BY
DESIGN
DESIGNED BY: GM DATE: DEC. 16, 2016
DRAWN BY: LRT DATE: DEC. 16, 2016
DWG NAME: 2-15_SS.dwg PROJ #: R304101.01
CHECKED BY: SAE DATE: DEC. 16, 2016

nm811
Know what's below. Call before you dig.
TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

Designed By:
HUITT-ZOLLARS
Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:
UNSER BOULEVARD RECONSTRUCTION
SURFACING SCHEDULE

Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.
		Last Update	

City Project No. 4383.91
Zone Map No. J-09-Z, J-10-Z, K-09-Z, K-10-Z
Sheet 22 Of 77

CONTROL NO. A302050 SHEET 2–15

ESTIMATED STRUCTURE QUANTITIES

STATION	TO	STATION	AVG. DEPTH	LOCATION	510.11 STRUCTURAL CONCRETE (CY)	701.1 TRENCHING AND BACKFILL, 18"-36" < 8' DEEP (LF)	701.11 TRENCHING AND BACKFILL, 18"-36", 8'-12' DEEP (LF)	701.15 TRENCHING AND BACKFILL, 42"-60" < 8' DEEP (LF)	701.16 TRENCHING AND BACKFILL, 42"-60", 8'-12' DEEP (LF)	710.051X 48" CASING PIPE (LF)	910.005 18" RCP, III (LF)
UNSER BOULEVARD											
15+90.24			7	LT		61.00					
17+94.24			7	LT		30.00					
25+43.85		25+54.13	7	LT		15.00					
25+54.13		25+74.13	7	LT		20.00					
CENTRAL AVENUE											
9+66.76				LT	40.00						
9+68.49		14+17.68	7	LT				449.19			
9+68.49		14+17.68	7	LT				449.19			
9+68.49		14+17.68	7	LT				449.19			
14+17.68					40.00						
13+98.26			7	LT		32.00					
14+40.32									50.00		
16+48.98		17+25.73	6			50.00					
17+25.63		17+25.73	6			120.00				120.00	
17+25.63		19+09.62	6			183.99					
19+09.62		19+21.59	6			40.00					
18+09.89		19+21.59	6			111.7					111.70
19+21.59		20+24.53	6			102.9					102.94
20+24.53		21+29.40	6			104.9					104.87
21+29.40		22+25.82	6			96.4					96.42
17+25.73		19+10.50	6			184.8					
19+10.50		19+10.55	6			6.00					
19+10.55		20+35.22	6			124.7					124.67
20+35.22		22+16.21	6			181.0					180.99
22+16.21		23+50.97	6			134.8					134.76
23+50.97		25+07.57	6			156.6					156.60
TOTAL PROJECT						1755.71	0	1,347.57	50.00	120.00	1012.95
PROJECT USE					**80**	**1,756**	**0**	**1,348**	**50**	**120**	**1,013**

STATION	TO	STATION	910.009 24" RCP, III (LF)	910.021 48" RCP, III (LF)	915.04 CATCH BASIN, DOUBLE C (EA)	915.1XX MEDIAN DROP INLET W/ 6" PERFORATED PIPE (EA)	920.07 4' DIA. TYPE C MANHOLE, 6' - 10' (EA)	920.14 6' DIA. TYPE C MANHOLE, 6' - 10' (EA)	920.15 6' DIA. TYPE C MANHOLE, 10' - 14' (EA)	920.21 8' DIA. TYPE C MANHOLE, 6' - 10' (EA)	920.140X 6' DIA PORTED RISER W/ TRASH RACK (EA)	920.XXX MANHOLE RING AND COVER (EA)	337.04X MH CONCRETE COLLAR (CY)
UNSER BOULEVARD													
15+90.24			61.00		1								
17+94.24			30.00		1		1					1	3
25+43.85		25+54.13	15.00		1			1				1	3
25+54.13		25+74.13	20.00		1								
CENTRAL AVENUE													
9+66.76													
9+68.49		14+17.68		449.19									
9+68.49		14+17.68		449.19									
9+68.49		14+17.68		449.19									
14+17.68													
13+98.26					1					1		1	3
14+40.32				50.00							1		
16+48.98		17+25.73	50.00					1				1	
17+25.63		17+25.73	120.00										3
17+25.63		19+09.62	183.99		1			1				1	
19+09.62		19+21.59	40.00										3
18+09.89		19+21.59				1							
19+21.59		20+24.53				1							
20+24.53		21+29.40				1							
21+29.40		22+25.82				2							
17+25.73		19+10.50	184.77		1								
19+10.50		19+10.55											
19+10.55		20+35.22				1							
20+35.22		22+16.21				1							
22+16.21		23+50.97				1							
23+50.97		25+07.57				2							
TOTAL PROJECT			704.76	1397.57	7	10	1	3	0	1	1	5	15
PROJECT USE			**705**	**1,398**	**7**	**10**	**1**	**3**	**0**	**1**	**1**	**5**	**15**

AS BUILT INFORMATION
CONTRACTOR | DATE
WORK STAKED BY | DATE
INSPECTOR'S ACCEPTANCE BY | DATE
FIELD VERIFICATION BY | DATE
DRAWINGS CORRECTED BY | DATE

MICRO-FILM INFORMATION
RECORDED BY | DATE
NO.

BENCH MARKS
FOUND MONUMENT "7_K10"
STANDARD 3 1/4" ALUMINUM DISC
NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1983)
N=1,483,739.165
E=1,498,962.651
PUBLISHED EL=5097.854 (NAVD 1988)
GROUND TO GRID FACTOR=0.999683006
MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
PRELIMINARY
NOT FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES. FOR REVIEW ONLY.
SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

REVISIONS
NO. | DATE | REMARKS | BY

DESIGN
DESIGNED BY: GM | DATE: DEC. 16, 2016
DRAWN BY: LRT | DATE: DEC. 16, 2016
DWG NAME: 2-16_STRS.dwg | PROJ #: R304101.01
CHECKED BY: SAE | DATE: DEC. 16, 2016

nm811
Know what's below. Call before you dig.
TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

Designed By:
HUITT-ZOLLARS
Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

60% SUBMITTAL

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:
UNSER BOULEVARD RECONSTRUCTION
STRUCTURE QUANTITIES

Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.

Last Update

City Project No. 4383.91
Zone Map No. J-09-Z, J-10-Z, K-09-Z, K-10-Z
Sheet 23 Of 77

CONTROL NO. A302050
SHEET 2–16

ROADWAY REMOVAL SCHEDULE

STATION TO STATION		LENGTH	WIDTH	301.010 GRADING, AREAS NOT TO BE PAVED, <2' COMPLETE		301.025X PULVERIZE EXISTING PAVEMENTS COMPLETE		343.070 CURB, AC, REM & DISP COMPLETE	343.080 CURB & GUT, PCC, REM & DISP COMPLETE
				WIDTH	AREA	DEPTH	AREA	LENGTH	LENGTH
		(FT)	(FT)	(FT)	(S.Y.)	(IN)	(S.Y.)	(FT)	(FT)
UNSER BOULEVARD - NORTHBOUND									
09+50.31	11+05.00	154.7	27.0	0.00	0	8	464	0.0	309.4
11+05.00	12+26.00	121.0	31.5	0.00	0	8	424	0.0	242.0
12+26.00	13+85.00	159.0	37.0	0.00	0	8	654	0.0	318.0
13+85.00	15+37.00	152.0	95.0	0.00	0	8	1,604	0.0	304.0
15+37.00	15+80.00	43.0	57.0	0.00	0	8	272	57.0	43.0
15+80.00	23+45.00	765.0	23.0	0.00	0	8	1,955	23.0	765.0
23+45.00	24+50.00	105.0	62.0	0.00	0	8	723	62.0	105.0
24+50.00	26+72.00	222.0	23.0	0.00	0	8	567	23.0	222.0
			SUBTOTAL		**0**		**6,664**	**165**	**2,308**
UNSER BOULEVARD - SOUTHBOUND									
10+00.00	13+85.00	385.0	31.0	0.00	0	8	1,326	0.0	770.0
13+85.00	15+37.00	152.0	80.0	0.00	0	8	1,351	0.0	152.0
15+37.00	23+45.00	808.0	36.0	0.00	0	8	3,232	808.0	808.0
23+45.00	24+50.00	105.0	34.0	0.00	0	8	397	105.0	105.0
24+50.00	26+72.00	222.0	34.0	0.00	0	8	839	222.0	222.0
			SUBTOTAL		**0**		**7,145**	**1,135**	**2,057**
CENTRAL AVENUE - EASTBOUND									
07+00.00	08+00.00	100.0	34.0	0.00	0	8	378	0.0	200.0
08+00.00	09+53.82	153.8	41.0	0.00	0	8	701	0.0	307.6
09+53.82	10+69.89	116.1	44.0	0.00	0	8	567	0.0	232.1
10+69.89	12+33.45	163.6	46.0	0.00	0	8	836	0.0	327.1
12+33.45	15+91.11	357.7	54.0	0.00	0	8	2,146	0.0	715.3
15+91.11	17+46.00	154.9	54.0	0.00	0	8	929	0.0	0.0
17+46.00	25+75.00	829.0	27.5	30.00	2,763	8	2,533	0.0	0.0
			SUBTOTAL		**2,763**		**8,090**	**0**	**1,782**
CENTRAL AVENUE - WESTBOUND									
07+00.00	09+52.14	252.1	38.0	0.00	0	8	1,065	0.0	504.3
09+52.14	12+32.74	280.6	50.0	0.00	0	8	1,559	0.0	561.2
12+32.74	12+90.00	57.3	46.0	0.00	0	8	293	0.0	114.5
12+90.00	15+90.00	300.0	42.5	0.00	0	8	1,417	0.0	300.0
15+90.00	17+42.50	152.5	54.0	0.00	0	8	915	0.0	0.0
17+42.50	18+82.61	140.1	70.0	0.00	0	8	1,090	0.0	140.1
18+82.61	19+77.50	94.9	67.0	56.00	590	8	706	0.0	94.9
19+77.50	21+65.33	187.8	43.5	56.00	1,169	8	908	0.0	187.8
21+65.33	22+63.75	98.4	39.0	56.00	612	8	426	0.0	98.4
			SUBTOTAL		**2,372**		**8,378**	**0**	**2,001**
			PROJECT USE		**5,135**		**30,277**	**1,300**	**8,149**

SIDEWALK REMOVAL SCHEDULE

STATION TO STATION		LENGTH	343.020 ASPHALT PAVEMENT, <4", REM & DISP COMPLETE		343.085 SDWK, 4", REM & DISP COMPLETE	
			WIDTH	AREA	WIDTH	AREA
		(FT)	(FT)	(S.Y.)	(FT)	(S.Y.)
UNSER BOULEVARD - NORTHBOUND						
10+51.00	13+75.96	325.0	12	433.3	0.0	0
13+75.96		75.0	0	0.0	10.0	83
15+33.25	23+80.00	846.8	0	0.0	6.0	565
24+19.50	26+24.00	204.5	0	0.0	12.0	273
	SUBTOTAL			**433.3**		**921**
UNSER BOULEVARD - SOUTHBOUND						
10+00.00	13+97.60	397.6	0	0.0	6.0	265
15+45.00	22+80.90	735.9	0	0.0	6.0	491
23+35.29	23+67.85	32.6	0	0.0	10.0	36
24+21.91	26+34.39	212.5	0	0.0	12.0	283
	SUBTOTAL			**0.0**		**1,075**
CENTRAL AVENUE - EASTBOUND						
14+40.51	15+71.80	131.3	0	0.0	6.0	88
	SUBTOTAL			**0.0**		**88**
CENTRAL AVENUE - WESTBOUND						
	SUBTOTAL			**0.0**		**0**
	PROJECT USE			**433**		**2,083**

ESTIMATED STRUCTURE REMOVAL QUANTITIES

STATION	TO	STATION	AVG. DEPTH	LOCATION	701.1 TRENCHING AND BACKFILL, 18"-36" < 8' DEEP	701.11 TRENCHING AND BACKFILL, 18"-36", 8'-12' DEEP	701.15 TRENCHING AND BACKFILL, 42"-60" < 8' DEEP	701.16 TRENCHING AND BACKFILL, 42"-60", 8'-12' DEEP	910.104 DRAINLINE REMOVAL, 21"-48"	915.07 CATCH BASIN, REM & DISP	920.4 EX. MANHOLE FRAME, ADJ W/ METAL RINGS, 2" OR LESS	920.41 EX. MANHOLE FRAME, ADJ W/ MASONRY, OVER 2"	920.42 EX. MANHOLE FRAME, ADJ W/ BARREL	920.43 EXISTING MANHOLE FRAME AND COVER, REMOVE & REPLACE
					LF	LF	LF	LF	LF	LF	EA	EA	EA	EA
UNSER BOULEVARD														
10+10.99			6	LT						1				
11+61.69				RT							1			1
13+51.40				RT									1	1
15+21.41				RT							1			1
15+90.53				RT									1	1
16+69.0			6	RT						1				
17+94.24			6	LT						1				
19+95.38				LT									1	1
23+99.33				L								1		1
25+19.25			6	RT						1				
25+43.85			6	LT						1				
CENTRAL AVENUE														
9+66.76				LT										
15+81.78		17+60.06	6	LT	178.28				178.28	2				
9+68.49		14+17.68	7	LT										
9+68.49		14+17.68	7	LT										
14+17.68														
13+98.26			7	LT										
14+40.32														
16+48.98		17+25.73	6											
17+25.63		17+25.73	6											
17+25.63		19+09.62	6											
19+09.62		19+21.59	6											
18+09.89		19+21.59	6											
19+21.59		20+24.53	6											
20+24.53		21+29.40	6											
21+29.40		22+25.82	6											
17+25.73		19+10.50	6											
19+10.50		19+10.55	6											
19+10.55		20+35.22	6											
20+35.22		22+16.21	6											
22+16.21		23+50.97	6											
23+50.97		25+07.57	6											
TOTAL PROJECT					178	0	0	0	178	7	2	1	3	6
PROJECT USE					**178**	**0**	**0**	**0**	**178**	**7**	**2**	**1**	**3**	**6**

TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

Designed By:
HUITT-ZOLLARS
Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: UNSER BOULEVARD RECONSTRUCTION
MISCELLANEOUS QUANTITIES

Design Review Committee	City Engineer	Last Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4383.91	J-09-Z, J-10-Z K-09-Z, K-10-Z	24	77

CONTROL NO. A302050 SHEET 2–17

60% SUBMITTAL

AS BUILT INFORMATION
CONTRACTOR DATE
WORK STAKED BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
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NO.

BENCH MARKS
FOUND MONUMENT "7_K10"
STANDARD 3 1/4" ALUMINUM DISC
NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1983)
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E=1,498,962.651
PUBLISHED EL=5097.854 (NAVD 1988)
GROUND TO GRID FACTOR=0.999683006
MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
PRELIMINARY
NOT FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES. FOR REVIEW ONLY.
SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC. Consulting Engineers

NO.	DATE	REMARKS	BY

REVISIONS
DESIGN
DESIGNED BY: GM DATE: DEC. 16, 2016
DRAWN BY: LRT DATE: DEC. 16, 2016
DWG NAME: 2-17_REM-SCH.dwg PROJ #: R304101.01
CHECKED BY: SAE DATE: DEC. 16, 2016

CURB

ITEM 340.05 - STANDARD CURB AND GUTTER

NUMBER	STATION	TO	STATION	LOCATION	LENGTH (FT)	REMARKS
UNSER BOULEVARD						
	10+00.0		13+71.9	CENTRAL	371.90	LT
	13+91.90			CENTRAL RETURN (SW)	72.00	LT
	15+61.03			CENTRAL RETURN (NW)	72.00	
	15+61.03		23+41.96	SARACINO	800.93	LT
	24+51.88		26+72.14	EOP SB	240.26	LT
	11+03.80		13+58.09	CENTRAL	254.29	RT
	13+58.09			CENTRAL RETURN (SE)	72.00	RT
	15+70.55			CENTRAL RETURN (NE)	72.00	RT
	15+70.55		23+61.34	DRIVEWAY	790.79	RT
	24+42.84		26+72.14	EOP NB	249.3	RT
CENTRAL AVENUE						
	7+00.0		7+55.2	DRIVEWAY	55.20	LT
	8+41.12		9+43.13	TRANSIT ENTRANCE	107.01	LT
	10+56.97		12+37.49	DRIVEWAY	200.52	LT
	13+21.48		15+37.99	UNSER	216.51	LT
	17+52.98		22+63.78	EOP WB	530.8	LT
	7+00.0		12+38.98	DRIVEWAY	538.98	RT
	13+19.98		15+50.93	UNSER	230.95	RT
	17+66.97		25+71.29	EOP EB	824.32	RT
PROJECT USE					5700	

ITEM 340.06 - MEDIAN CURB AND GUTTER

NUMBER	STATION	TO	STATION	LOCATION	LENGTH (FT)	REMARKS
UNSER BOULEVARD						
	10+00.0		13+90.36	CENTRAL	390.36	LT
	13+90.36			NOSE	15.00	
	15+28.71			NOSE	15.00	
	15+28.71		23+43.87	SARACINO	835.16	LT
	23+43.87			NOSE	15.00	
	24+50.83		25+87.57	EOP SB	156.74	LT
	9+50.31		13+90.36	CENTRAL	440.05	RT
	15+28.71		23+43.87	SARACINO	815.16	RT
	24+50.83		24+78.82	TRANSITION TO EX	48.0	RT
CENTRAL AVENUE						
	7+00.0		9+53.32	TRANSIT ENTRANCE	253.32	LT
	9+53.32			NOSE	25.00	
	10+37.16			NOSE	10.00	
	10+37.16		15+73.62	UNSER	541.46	LT
	15+73.62			NOSE	15.00	
	17+31.36		22+63.75	EOP WB	552.39	LT
	17+31.36			NOSE	15.00	
	7+00.0		9+53.32	TRANSIT ENTRANCE	273.32	LT
	10+34.58		15+73.62	CENTRAL	589.0	LT
	17+31.36		22+63.72	EOP EB	532.36	RT
PROJECT USE					5537	

ITEM 341.01 - AC CURB

NUMBER	STATION	TO	STATION	LOCATION	LENGTH (FT)	REMARKS
UNSER BOULEVARD						
	25+87.57		26+72.14	SB TIE-IN	84.57	LT
	24+78.82		26+72.14	NB TIE-IN	193.32	RT
PROJECT USE					278	

DRIVEPAD & VALLEY GUTTER

ITEM 340.02 - DRIVEPAD, PCC

NUMBER	STATION	TO	STATION	LOCATION	LENGTH (FT)	EQUIVALENT WIDTH (FT)	AREA (SY)	REMARKS
UNSER BOULEVARD								
	9+04.95		9+50.31	SARACINO	45.36	10.00	50.40	RT
CENTRAL AVENUE								
	18+70.97		18+94.97	DRIVEWAY	24.00	57.00	152.00	LT
	19+48.21		19+78.21	DRIVEWAY	35.00	57.00	221.67	LT
	20+70.98		20+94.98	DRIVEWAY	44.00	69.00	337.33	LT
	21+63.83		21+87.83	DRIVEWAY	44.00	69.00	337.33	LT
	21+42.83		21+66.83	DRIVEWAY	24.00	21.00	56.00	RT
	22+63.03		22+87.03	DRIVEWAY	24.00	21.00	56.00	RT
PROJECT USE							1211	

ITEM 340.03 - VALLEY CURB AND GUTTER

NUMBER	STATION	TO	STATION	LOCATION	LENGTH (FT)	EQUIVALENT WIDTH (FT)	AREA (SY)	REMARKS
UNSER BOULEVARD								
	23+41.96		24+51.88	SARACINO	109.92	10.00	122.13	LT
	23+61.34		24+42.84	DRIVEWAY	72.00	10.00	80.00	RT
CENTRAL AVENUE								
	7+55.20		8+41.12	DRIVEWAY	85.92	10.00	95.47	LT
	9+43.13		10+56.97	TRANSIT ENTRANCE	118.84	12.00	158.45	LT
	12+37.49		13+21.48	DRIVEWAY	103.99	12.00	138.65	LT
	12+38.98		13+19.98	DRIVEWAY	81.00	10.00	90.00	RT
PROJECT USE							685	

MEDIAN CONCRETE

ITEM 340.3 - 4" MEDIAN PAVEMENT, PCC

NUMBER	STATION	TO	STATION	WIDTH (FT)	LENGTH (FT)	AREA (SY)
UNSER BOULEVARD						
	11+57.30		13+90.36	5	233.06	129.48
	13+28.71		18+84.	4	555.29	246.80
	21+84.38		23+43.87	6	159.49	106.33
	24+50.83		24+87.82	6	36.99	24.66
CENTRAL AVENUE						
	9+51.12		9+59.51	15	8.39	13.98
	10+33.90		10+43.9	15	10.00	16.67
	11+76.16		15+73.62	4	397.46	176.65
	17+26.02		17+36.36	12	10.34	13.79
PROJECT USE						728

EARTHWORK

DESCRIPTION	202.011 EXCAVATION & DISPOSAL (CY)
UNSER BOULEVARD	
STA 9+50.31 TO STA 26+72.14	9,565
CENTRAL AVENUE	
STA 7+00.00 TO 25+75.00	10,410
PROJECT USE	19,975

PEDESTRIAN

ITEM 336.05 - MULTI-USE TRAIL ASPHALT

NUMBER	STATION	TO	STATION	LOCATION	LENGTH (FT)	WIDTH (FT)	AREA (SF)	AREA (SY)
UNSER BOULEVARD								
	10+50.78		13+53.45	UNSER (RT)	303	12	3632.04	404
	15+53.19		23+60.56	UNSER (RT)	807	6	4844.22	538
	24+43.46		25+87.57	UNSER (RT)	144	6	864.66	96
PROJECT USE								1038

ITEM 340.01 - 4" PCC SIDEWALK

NUMBER	STATION	TO	STATION	LOCATION	LENGTH (FT)	WIDTH (FT)	AREA (SF)	AREA (SY)
UNSER BOULEVARD								
	10+00.0		13+65.36	UNSER (LT)	365	10	3653.6	406
	15+55.85		23+49.93	UNSER (LT)	794	6	4764.48	529
	24+46.39		26+34.39	UNSER (LT)	188	6	1128	125
CENTRAL AVENUE								
	7+00.0		7+63.23	CENTRAL (LT)	63	10	632.3	70
	8+34.46		9+55.05	CENTRAL (LT)	121	10	1205.9	134
	10+56.29		12+45.42	CENTRAL (LT)	189	10	1891.3	210
	13+12.75		15+50.26	CENTRAL (LT)	238	10	2375.1	264
	17+57.31		22+63.79	CENTRAL (LT)	506	10	5064.8	563
	14+40.52		15+44.02	CENTRAL (RT)	104	10	1035	115
	17+65.11		25+75.0	CENTRAL (RT)	810	6	4859.34	540
PROJECT USE								2957

ITEM 340.023 - ACCESSIBLE RAMP

NUMBER	STATION	TO	STATION	LOCATION	LENGTH (FT)	WIDTH (FT)	AREA (SF)	AREA (SY)
UNSER BOULEVARD								
	13+61.63			UNSER/CENTRAL (SE)	55	12	660	73
	13+65.36			UNSER/CENTRAL (SW)	70	10	700	78
	15+29.43			UNSER/CENTRAL (NE)	60	12	720	80
	15+34.43			UNSER/CENTRAL (NW)	70	10	700	78
	23+49.93			SARACINO (SW)	45	6	270	30
	24+24.86			SARACINO (NW)	22	6	132	15
	23+75.83			DRIVEWAY (RT)	30	12	360	40
	24+29.52			DRIVEWAY (RT)	30	12	360	40
CENTRAL AVENUE								
	7+79.52			DRIVEWAY (LT)	18	10	180	20
	8+16.92			DRIVEWAY (LT)	18	10	180	20
	9+75.20			TRANSIT ENTRANCE	18	10	180	20
	10+25.56			TRANSIT ENTRANCE	18	10	180	20
	12+65.65			DRIVEWAY (LT)	18	10	180	20
	12+93.32			DRIVEWAY (LT)	18	10	180	20
	12+56.02			DRIVEWAY (RT)	36	6	216	24
	13+03.0			DRIVEWAY (RT)	36	6	216	24
PROJECT USE								602

*HEADER CURB IS INCIDENTAL

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
FOUND MONUMENT "7_K10"
STANDARD 3 1/4" ALUMINUM DISC
NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1983)
N=1,483,739.165
E=1,498,962.651
PUBLISHED EL=5097.854 (NAVD 1988)
GROUND TO GRID FACTOR=0.999683006
MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION
FIELD NOTES
NO. — BY — DATE

ENGINEER'S SEAL
PRELIMINARY
NOT FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.
FOR REVIEW ONLY.
SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

NO. — DATE — REMARKS
REVISIONS
DESIGN
DESIGNED BY: GM — DATE: DEC. 16, 2016
DRAWN BY: LRT — DATE: DEC. 16, 2016
DWG NAME: 2-18_MISC-SCH.dwg — PROJ #: R304101.01
CHECKED BY: SAE — DATE: DEC. 16, 2016

nm811 Know what's below. Call before you dig.
TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

Designed By:
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Huitt-Zollars, Inc. Albuquerque
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Albuquerque, New Mexico 87110
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CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:
UNSER BOULEVARD RECONSTRUCTION
MISCELLANEOUS QUANTITIES

Design Review Committee	City Engineer	Last Update	Mo./Day/Yr.	Mo./Day/Yr.

60% SUBMITTAL

City Project No. 4383.91 | Zone Map No. J-09-Z, J-10-Z K-09-Z, K-10-Z | Sheet 25 Of 77

CONTROL NO. A302050 SHEET 2–18

Plotted: 1/12/2017 2:01:04 PM, By:Eddings, Scott
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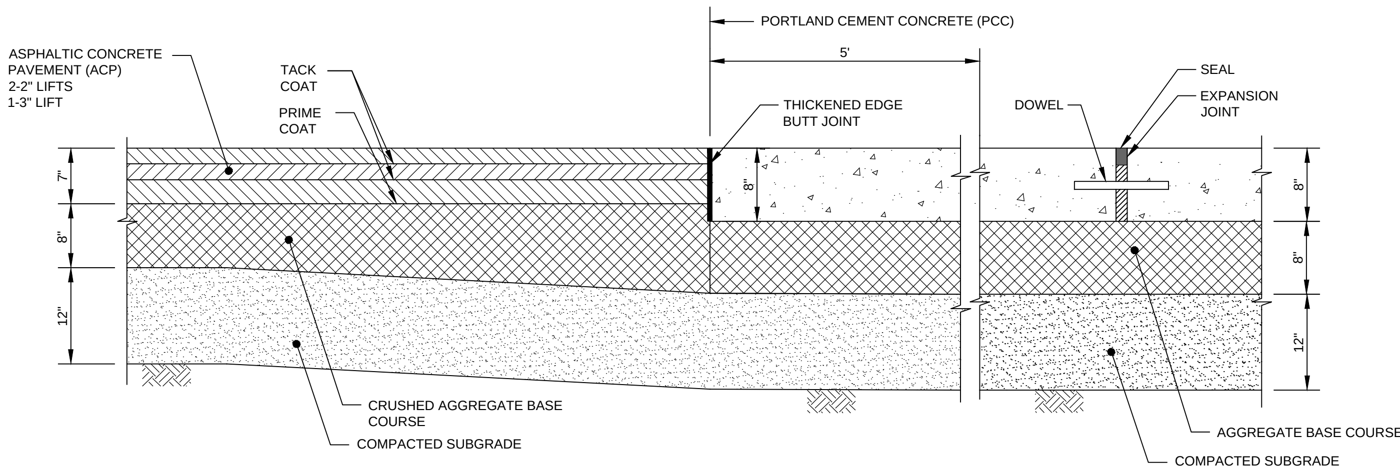
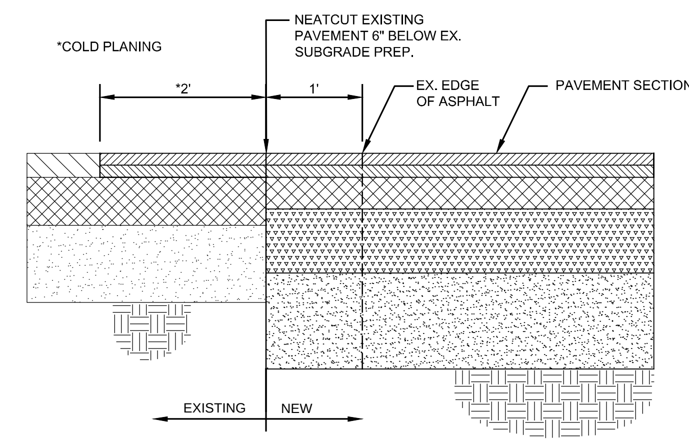


ASPHALT/CONCRETE PAVEMENT JOINT (A)
Scale: 1"=1'



EX/NEW ASPHALT PAVEMENT JOINT (B)
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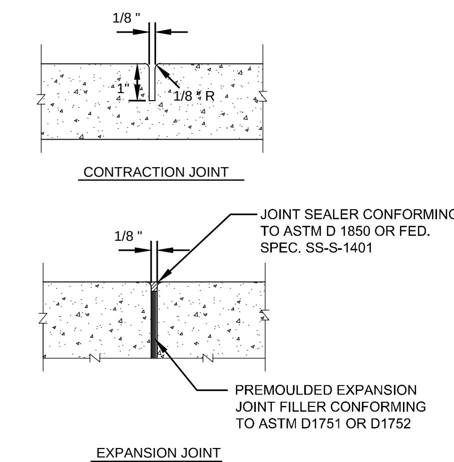

JOINTS DETAILS (C)
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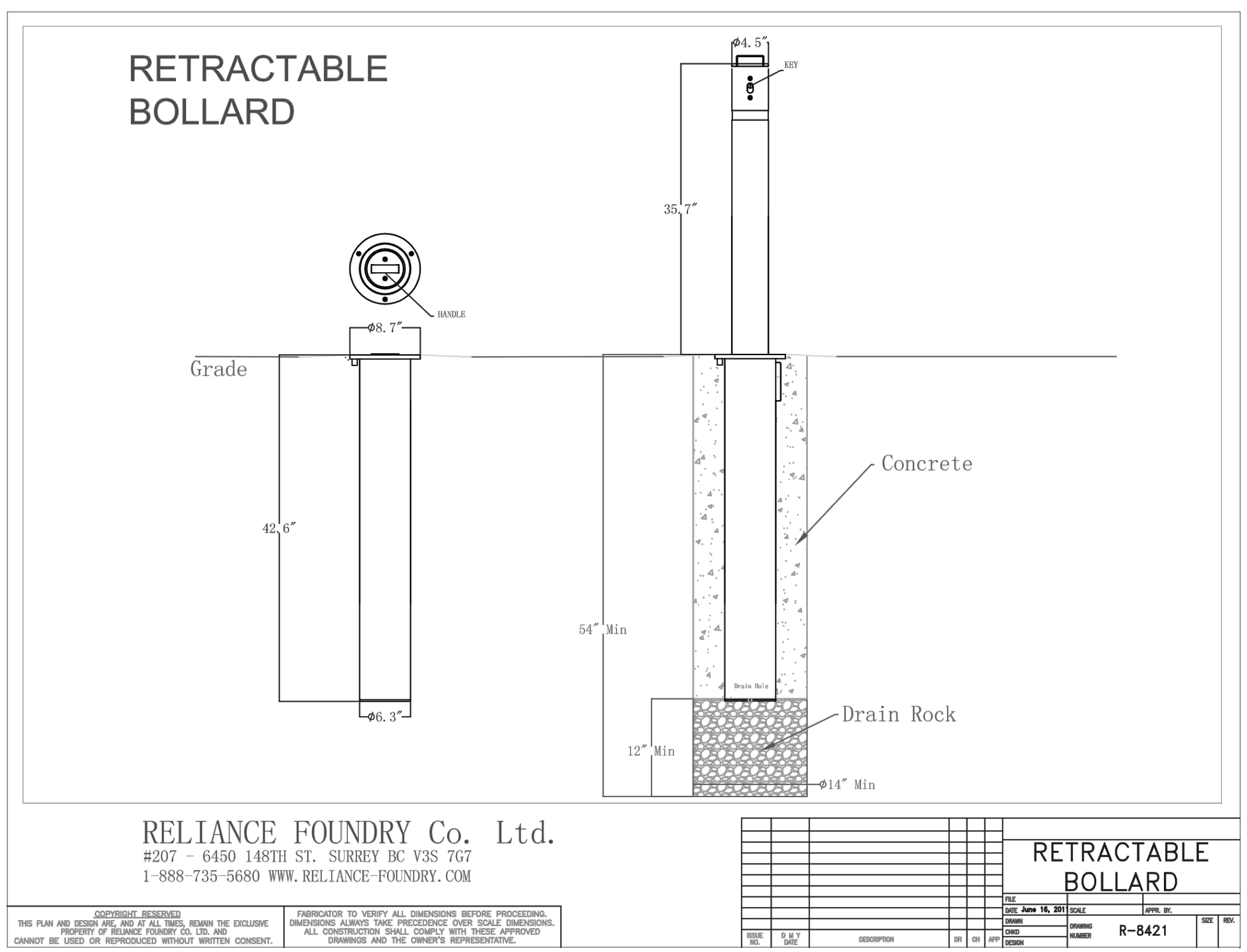
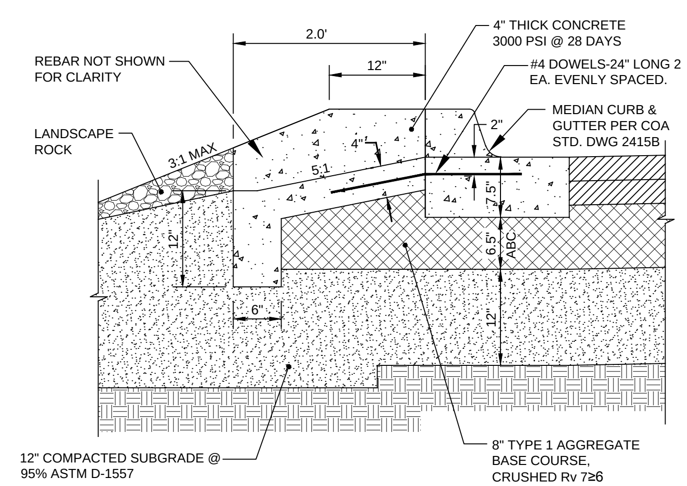
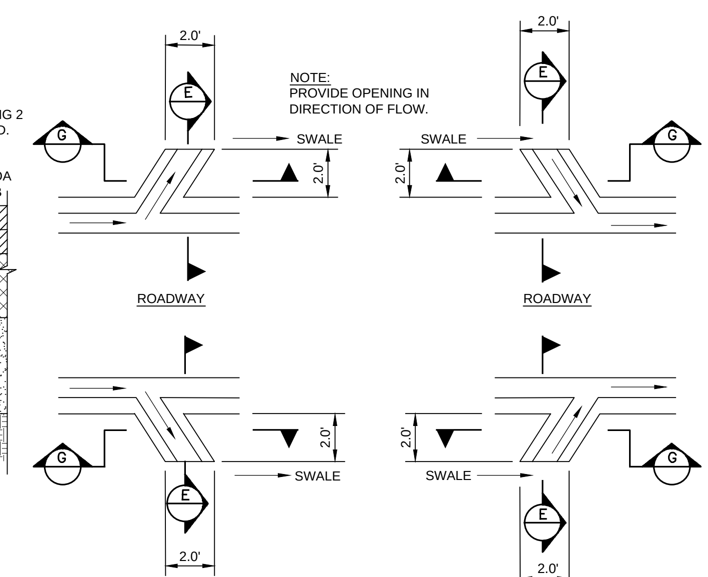


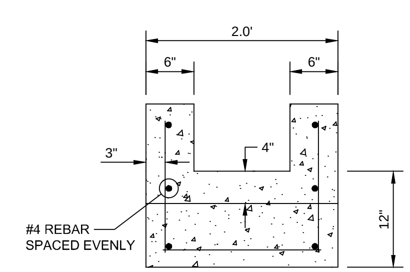
RETRACTABLE BOLLARD (D)



CURB OPENING DETAIL (E)
N.T.S.



CURB OPENING PLAN VIEW (F)
30 DEG. SKEW
N.T.S.



SECTION DETAIL
N.T.S.

SECTION DETAIL (G)
N.T.S.

Know what's below. Call before you dig.
TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

60% SUBMITTAL

Designed By:
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Huitt-Zollars, Inc. Albuquerque
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Albuquerque, New Mexico 87110
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CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:
UNSER BOULEVARD RECONSTRUCTION
MISCELLANEOUS DETAILS

Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.

Last Update

City Project No. 4383.91 | Zone Map No. J-09-Z, J-10-Z, K-09-Z, K-10-Z | Sheet 26 Of 77

CONTROL NO. A302050 | SHEET 2-19

AS BUILT INFORMATION
CONTRACTOR | DATE
WORK STAKED BY | DATE
INSPECTOR'S ACCEPTANCE BY | DATE
FIELD VERIFICATION BY | DATE
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NO. | BY | DATE

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SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

REVISIONS
NO. | DATE | REMARKS | BY

DESIGN
DESIGNED BY: GM | DATE: DEC. 16, 2016
DRAWN BY: LRT | DATE: DEC. 16, 2016
DWG NAME: 2-19_MISC-DETAIL.dwg | PROJ #: R304101.01
CHECKED BY: SAE | DATE: DEC. 16, 2016

Plotted: 1/12/2017 2:01:23 PM, By:Eddings, Scott
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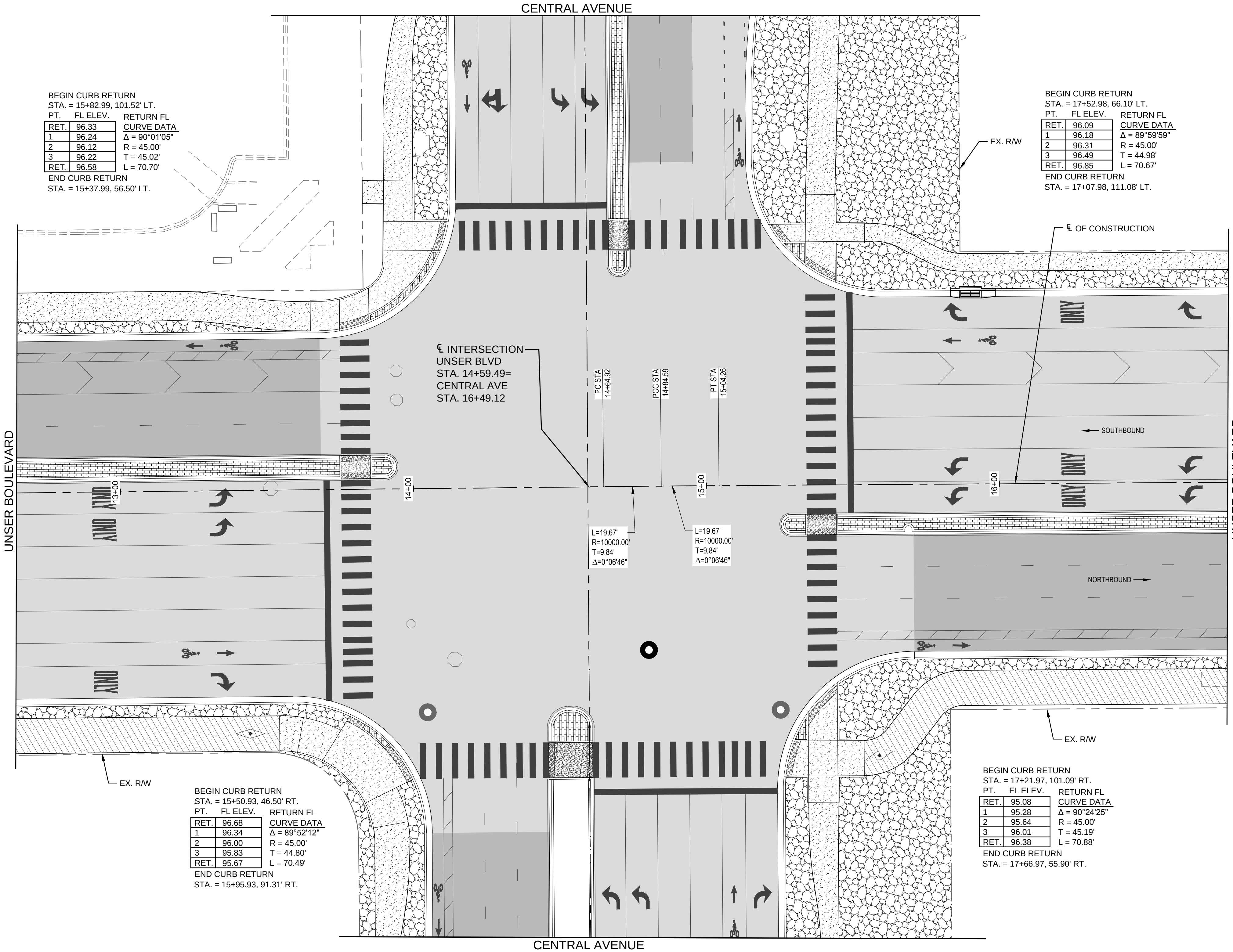
Last Saved:12/16/2016 10:33:00 AM, lfathiya



PT.	FL ELEV.	RETURN FL CURVE DATA
RET.	96.33	Δ = 90°01'05"
1	96.24	R = 45.00'
2	96.12	T = 45.02'
3	96.22	L = 70.70'
RET.	96.58	

PT.	FL ELEV.	RETURN FL CURVE DATA
RET.	96.09	Δ = 89°59'59"
1	96.18	R = 45.00'
2	96.31	T = 44.98'
3	96.49	L = 70.67'
RET.	96.85	

PT.	FL ELEV.	RETURN FL CURVE DATA
RET.	96.68	Δ = 89°52'12"
1	96.34	R = 45.00'
2	96.00	T = 44.80'
3	95.83	L = 70.49'
RET.	95.67	

PT.	FL ELEV.	RETURN FL CURVE DATA
RET.	95.08	Δ = 90°24'25"
1	95.28	R = 45.00'
2	95.64	T = 45.19'
3	96.01	L = 70.88'
RET.	96.38	

CENTRAL AVENUE S.W.

SCALE: 1" = 20'

CONSTRUCTION NOTES

1. CONSTRUCT 7" PAVEMENT SECTION PER COA STD. DWG. 2408 AND SEE SHEET 2-9
2. CONSTRUCT 8" PCC PAVEMENT SECTION PER COA STD. DWG. 2408 AND SEE SHEET 2-9
3. CONSTRUCT STANDARD CURB & GUTTER PER COA STD. DWGS. 2415A
4. CONSTRUCT DEPRESSED CURB & GUTTER PER COA STD. DWGS. 2415A
5. CONSTRUCT MEDIAN CURB & GUTTER PER COA STD. DWGS. 2415B
6. CONSTRUCT 4" GREY PCC SIDEWALK PER COA STD. DWG. 2430
7. CONSTRUCT VALLEY GUTTER PER COA STD. DWG. 2420
8. CONSTRUCT CURB RAMPS PER COA STD. DWG. 2441 & DETAILS ON SHEET 2-22
9. CONSTRUCT ASPHALT TRAIL PAVEMENT SECTION PER DETAIL A ON SHEET 2-9
10. COLORED PATTERNED PORTLAND CEMENT CONC. PER COA STD DWGS 2408 & 2502 (COLOR: MESA BUFF, PATTERN ASHLAR).
11. CONSTRUCT EX/NEW ASPHALT PAVEMENT JOINT PER DETAIL B ON SHEET 2-19
12. LANDSCAPE (BY OTHERS)
13. INSTALL 1" LANDSCAPE ROCK WITH WEED BARRIER
14. INSTALL DRIVEPAD PER COA STD. DWG. 2425
15. CONSTRUCT TEMPORARY ASPHALT CURB PER COA STD. DWG. 2415B
16. ADJUST MANHOLE RIM/VALVE BOX TO GRADE, INSTALL CONCRETE COLLAR PER COA STD. DWG. 2461
17. INSTALL RETRACTABLE BOLLARD PER DETAIL D ON SHEET 2-19
18. CONSTRUCT 4" PCC CONCRETE
19. CONSTRUCT ASPHALT/CONCRETE PAVEMENT JOINT PER DETAIL A ON SHEET 2-19
20. CONSTRUCT 3" PAVEMENT SECTION PER COA STD. DWG. 2405A AND SEE SHEET 2-9

LEGEND

- ASPHALT PAVED ROADWAY
- CONCRETE PAVED ROADWAY
- ASPHALT TRAIL
- SIDEWALK
- GRAVEL LANDSCAPE

GENERAL NOTES

1. INTERSECTION GRADING. SEE SHEETS 2-20 & 2-21
2. CURB RAMP DETAILS. SEE SHEETS 2-22 & 2-24
3. CURB LINE DIAGRAMS. SEE SHEETS 3-7 - 3-10
4. SIGNING AND STRIPING. SEE SHEETS 7-1 - 7-4

AS BUILT INFORMATION: CONTRACTOR / WORK STARTED BY / INSPECTOR'S ACCEPTANCE BY / FIELD VERIFICATION BY / DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION: RECORDED BY — DATE — NO.

BENCH MARKS
FOUND MONUMENT "7_K10"
STANDARD 3 1/4" ALUMINUM DISC
NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1983)
N=1,483,739.165
E=1,498,962.651
PUBLISHED EL=5097.854 (NAVD 1988)
GROUND TO GRID FACTOR=0.999683006
MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION — FIELD NOTES — NO. — BY — DATE

ENGINEER'S SEAL
PRELIMINARY
NOT FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES. FOR REVIEW ONLY.
SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC. Consulting Engineers

REVISIONS: NO. — DATE — REMARKS — BY

DESIGN
DESIGNED BY: GM DATE: DEC. 16, 2016
DRAWN BY: LRT DATE: DEC. 16, 2016
DWG NAME: 2-20_INTGRAD.dwg PROJ #: R304101.01
CHECKED BY: SAE DATE: DEC. 16, 2016

nm811 Know what's below. Call before you dig. TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

Designed By:
HUITT-ZOLLARS
Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: UNSER BOULEVARD RECONSTRUCTION
INTERSECTION GRADING
CENTRAL AVENUE

Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.

Last Update

60% SUBMITTAL

City Project No. 4383.91 | Zone Map No. J-09-Z, J-10-Z, K-09-Z, K-10-Z | Sheet 27 Of 77

CONTROL NO. A302050 SHEET 2–20

Plotted: 1/12/2017 2:01:55 PM, By:Eddings, Scott
H:\proj\R304101.01 Unser\10 CADD & BIM\Sheet Set\2-20_INTGRAD.dwg
Last Saved:1/12/2017 8:58:49 AM, lattoya

BEGIN CURB RETURN
STA. = 23+76.96, 97 LT.

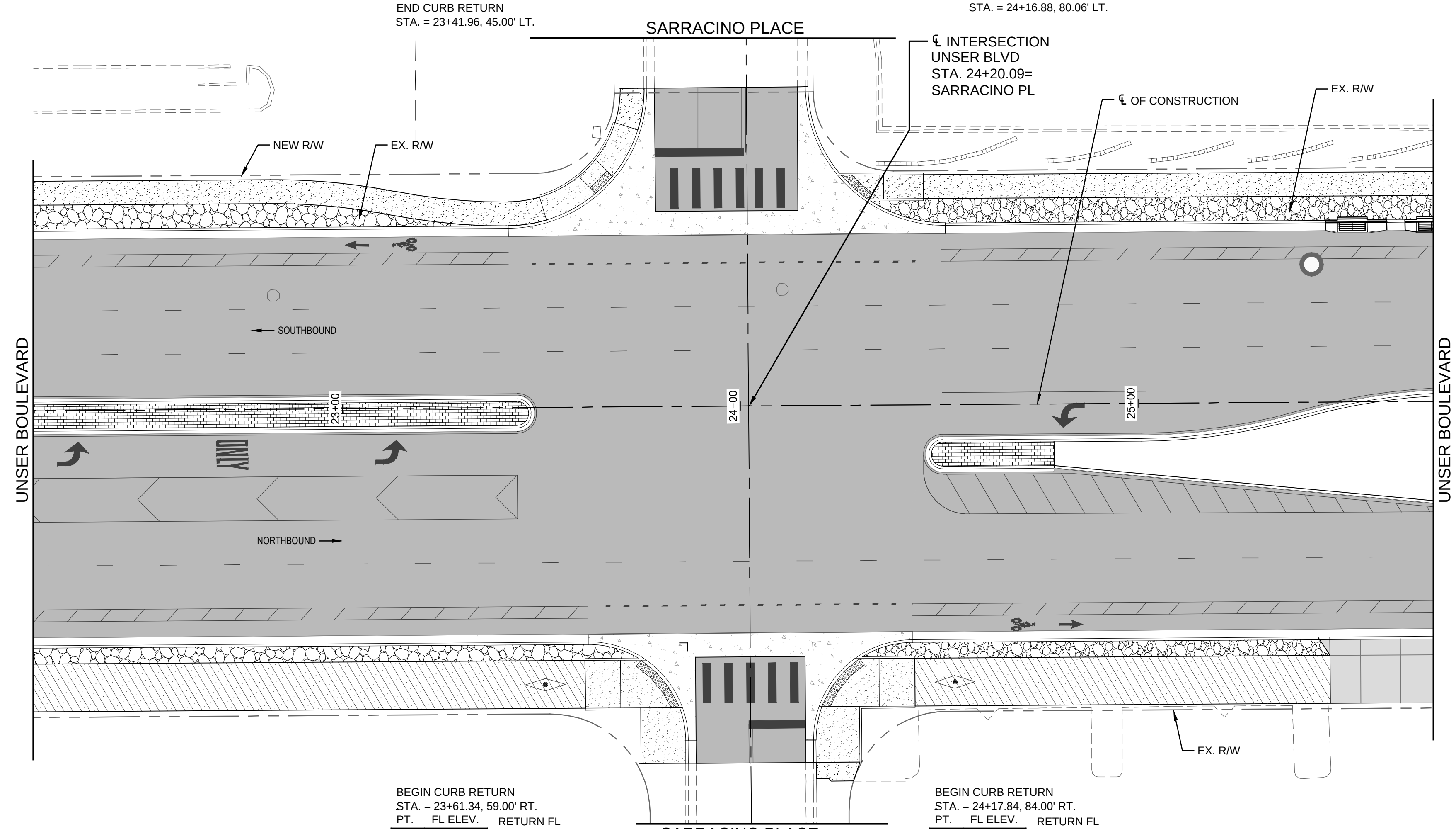
PT.	FL ELEV.	RETURN FL CURVE DATA
RET.	03.48	Δ = 89°59'52"
1	02.65	R = 35.00'
2	02.13	T = 34.97'
3	01.87	L = 54.95'
RET.	01.63	

END CURB RETURN
STA. = 23+41.96, 45.00' LT.

BEGIN CURB RETURN
STA. = 24+51.88, 45.00' LT.

PT.	FL ELEV.	RETURN FL CURVE DATA
RET.	03.38	Δ = 90°02'10"
1	03.18	R = 35.00'
2	03.31	T = 35.06'
3	03.85	L = 55.04'
RET.	04.34	

END CURB RETURN
STA. = 24+16.88, 80.06' LT.



BEGIN CURB RETURN
STA. = 23+61.34, 59.00' RT.

PT.	FL ELEV.	RETURN FL CURVE DATA
RET.	01.76	Δ = 90°00'00"
1	02.24	R = 25.00'
2	02.44	T = 25.00'
3	02.63	L = 39.27'
RET.	02.83	

END CURB RETURN
STA. = 23+86.34, 84.00' RT.

BEGIN CURB RETURN
STA. = 24+17.84, 84.00' RT.

PT.	FL ELEV.	RETURN FL CURVE DATA
RET.	03.49	Δ = 90°00'00"
1	03.40	R = 25.00'
2	03.30	T = 25.00'
3	03.20	L = 39.27'
RET.	03.31	

END CURB RETURN
STA. = 24+42.84, 59.00' RT.

SARRACIINO PLACE

0 20' 40'
SCALE: 1" = 20'

CONSTRUCTION NOTES

1. CONSTRUCT 7" PAVEMENT SECTION PER COA STD. DWG. 2408 AND SEE SHEET 2-9
2. CONSTRUCT 8" PCC PAVEMENT SECTION PER COA STD. DWG. 2408 AND SEE SHEET 2-9
3. CONSTRUCT STANDARD CURB & GUTTER PER COA STD. DWGS. 2415A
4. CONSTRUCT DEPRESSED CURB & GUTTER PER COA STD. DWGS. 2415A
5. CONSTRUCT MEDIAN CURB & GUTTER PER COA STD. DWG. 2415B
6. CONSTRUCT 4" GREY PCC SIDEWALK PER COA STD. DWG. 2430
7. CONSTRUCT VALLEY GUTTER PER COA STD. DWG. 2420
8. CONSTRUCT CURB RAMPS PER COA STD. DWG. 2441 & DETAILS ON SHEET 2-22
9. CONSTRUCT ASPHALT TRAIL PAVEMENT SECTION PER DETAIL A ON SHEET 2-9
10. COLORED PATTERNED PORTLAND CEMENT CONC. PER COA STD. DWGS 2408 & 2502 (COLOR: MESA BUFF, PATTERN ASHLAR).
11. CONSTRUCT EX/NEW ASPHALT PAVEMENT JOINT PER DETAIL B ON SHEET 2-19
12. LANDSCAPE (BY OTHERS)
13. INSTALL 1" LANDSCAPE ROCK WITH WEED BARRIER
14. INSTALL DRIVEPAD PER COA STD. DWG. 2425
15. CONSTRUCT TEMPORARY ASPHALT CURB PER COA STD. DWG. 2415B
16. ADJUST MANHOLE RIM/VALVE BOX TO GRADE, INSTALL CONCRETE COLLAR PER COA STD. DWG. 2461
17. INSTALL RETRACTABLE BOLLARD PER DETAIL D ON SHEET 2-19
18. CONSTRUCT 4" PCC CONCRETE
19. CONSTRUCT ASPHALT/CONCRETE PAVEMENT JOINT PER DETAIL A ON SHEET 2-19
20. CONSTRUCT 3" PAVEMENT SECTION PER COA STD. DWG. 2405A AND SEE SHEET 2-9

LEGEND

ASPHALT PAVED ROADWAY
CONCRETE PAVED ROADWAY
ASPHALT TRAIL
SIDEWALK
GRAVEL LANDSCAPE

GENERAL NOTES

1. INTERSECTION GRADING. SEE SHEETS 2-20 & 2-21
2. CURB RAMP DETAILS. SEE SHEETS 2-22 & 2-24
3. CURB LINE DIAGRAMS. SEE SHEETS 3-7 - 3-10
4. SIGNING AND STRIPING. SEE SHEETS 7-1 - 7-4

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AS BUILT INFORMATION
CONTRACTOR DATE
WORK STAKED BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
FOUND MONUMENT "7_K10"
STANDARD 3 1/4" ALUMINUM DISC
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E=1,498,962.651
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GROUND TO GRID FACTOR=0.999683006
MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
PRELIMINARY
NOT FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.
FOR REVIEW ONLY.
SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

NO. DATE REMARKS BY
REVISIONS
DESIGN
DESIGNED BY: GM DATE: DEC. 16, 2016
DRAWN BY: LRT DATE: DEC. 16, 2016
DWG NAME: 2-20_INTGRAD.dwg PROJ #: R304101.01
CHECKED BY: SAE DATE: DEC. 16, 2016

Designed By:

HUITT-ZOLLARS
Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: UNSER BOULEVARD RECONSTRUCTION
INTERSECTION GRADING
SARRACINO PLACE

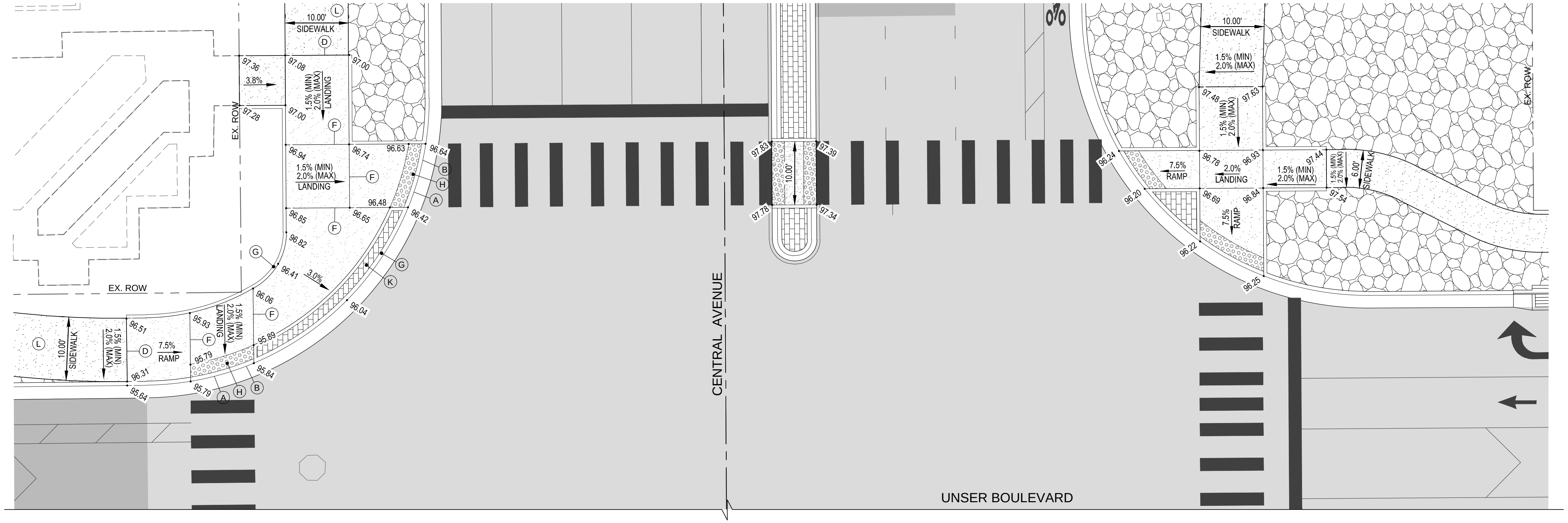
Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.

Last Update

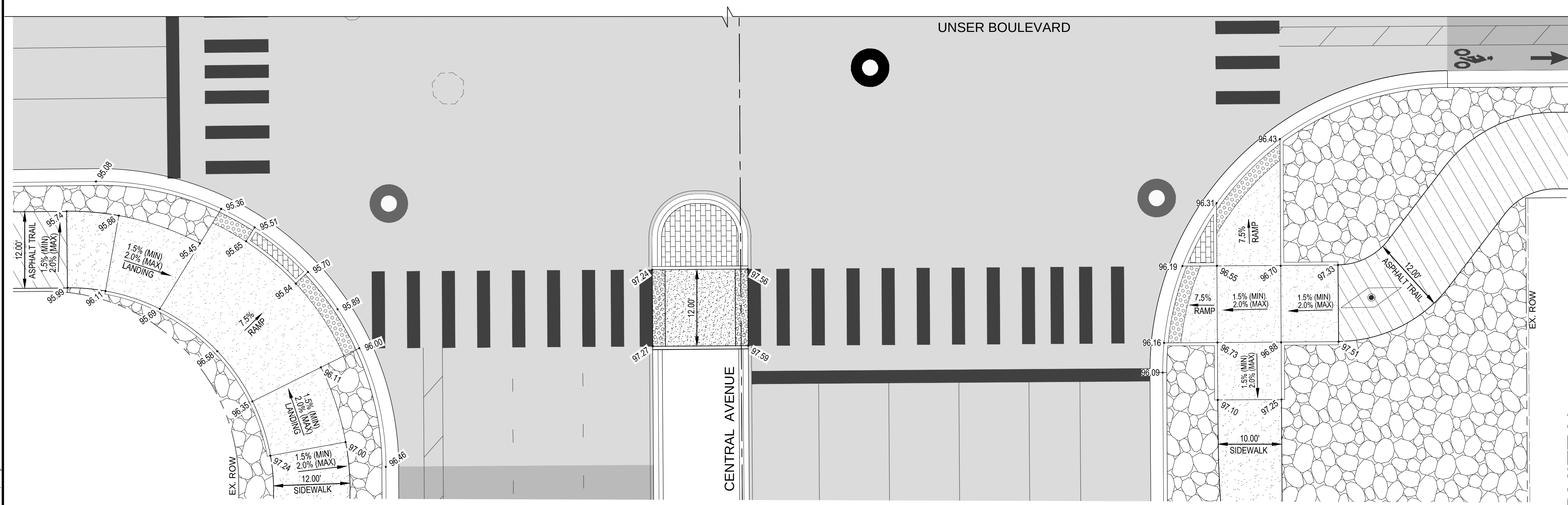
60% SUBMITTAL

City Project No.	Zone Map No.	Sheet	Of
4383.91	J-09-Z, J-10-Z K-09-Z, K-10-Z	28	77

CONTROL NO. A302050
SHEET 2-21



CENTRAL AVENUE N.W.



CENTRAL AVENUE S.W.

CONSTRUCTION NOTES:

- (A) SLOPE OF GUTTER DEPENDENT ON REQUIREMENTS FOR VALLEY GUTTER.
- (B) 1/4" MAX. LIP ABOVE FLOW LINE.
- (C) CURB & GUTTER.
- (D) 1/2" EXPANSION JOINT.
- (E) 8" AT FACE OF CURB.
- (F) CONSTRUCTION (CONTRACTION) JOINT.
- (G) HEADER CURB PER COA STD. DWG. 2415B.
- (H) DETECTABLE WARNING SURFACE. SEE 12 SERIES. (INCIDENTAL TO CONSTRUCTION)
- (J) 0.5' RADIUS (TYPICAL)
- (K) INSTALL 4" COLORED & PATTERNED CONCRETE.
- (L) 4" SIDEWALK PER COA STD DWG

ABBREVIATIONS:

TBC	TOP BACK CURB
FL	FLOW LINE
TA	TOP OF ASPHALT
TC	TOP OF CONCRETE
HC	TOP OF HEADER CURB

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTOR'S ACCEPTANCE BY
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY

BENCH MARKS
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SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

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SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

SCALE: 1" = 10'
0 10' 20'

nm811
Know what's below. Call before you dig.
TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

NO. DATE REMARKS
REVISIONS
DESIGN

DESIGNED BY: GM DATE: DEC. 16, 2016
DRAWN BY: LRT DATE: DEC. 16, 2016
DWG NAME: 2-22_CURB-RAMPS.dwg PROJ #: R304101.01
CHECKED BY: SAE DATE: DEC. 16, 2016

Designed By:
HUITT-ZOLLARS
Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
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CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: UNSER BOULEVARD RECONSTRUCTION
ADA CURB RAMPS
CENTRAL AVENUE

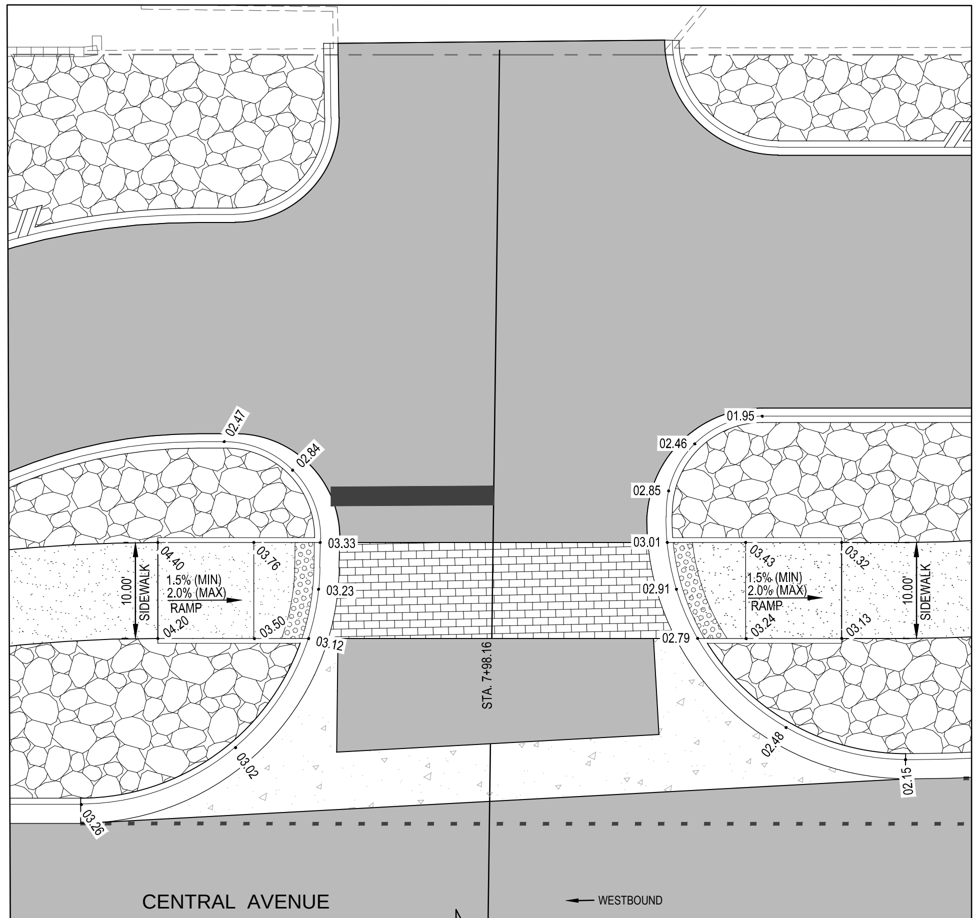
Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.

Last Update

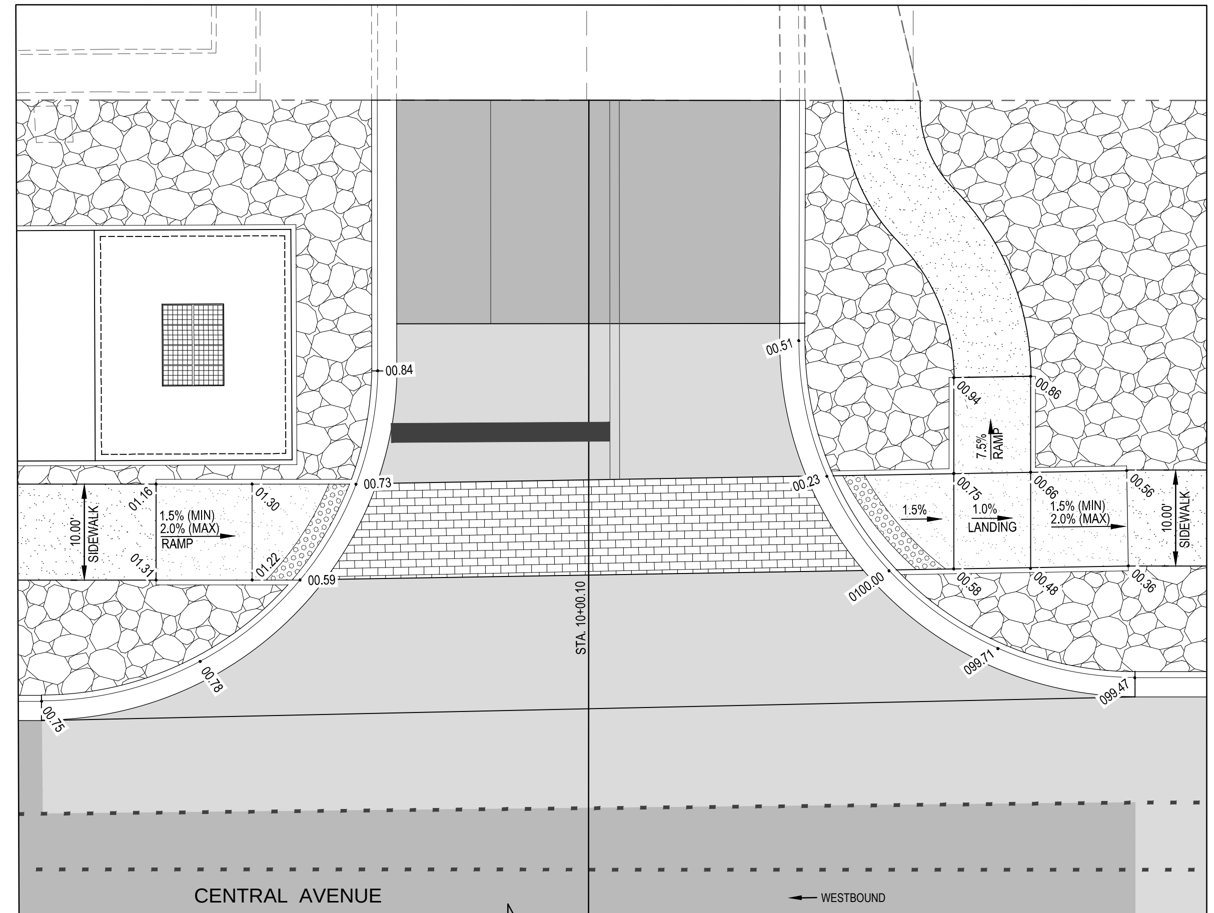
City Project No.	Zone Map No.	Sheet	Of
4383.91	J-09-Z, J-10-Z, K-09-Z, K-10-Z	29	77

CONTROL NO. A302050
SHEET 2–22

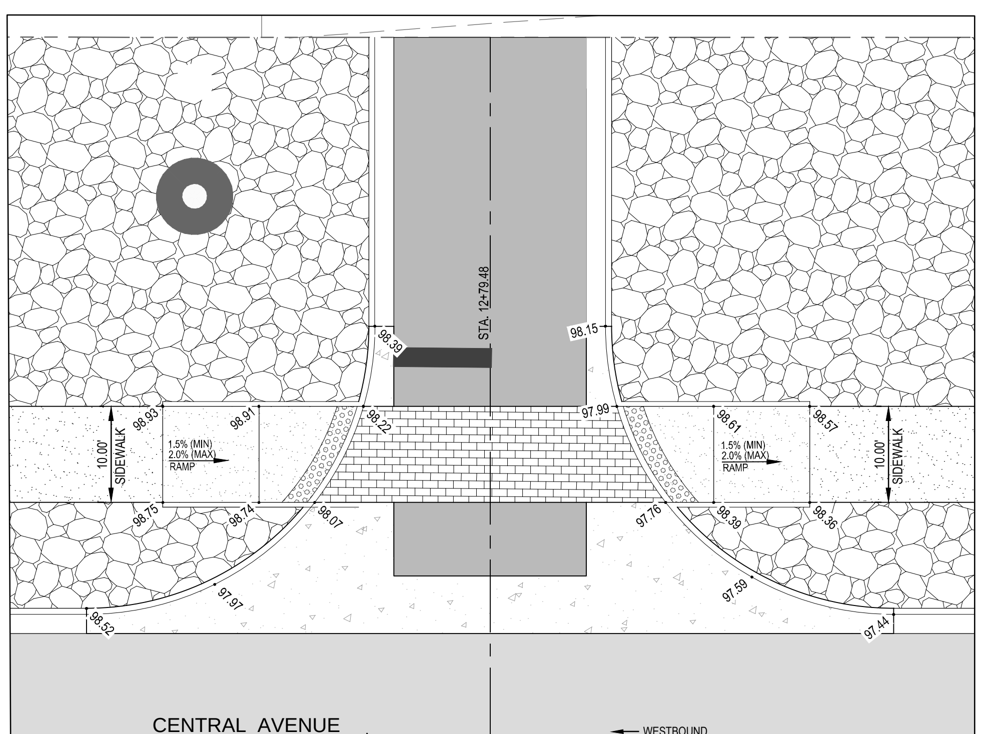
60% SUBMITTAL



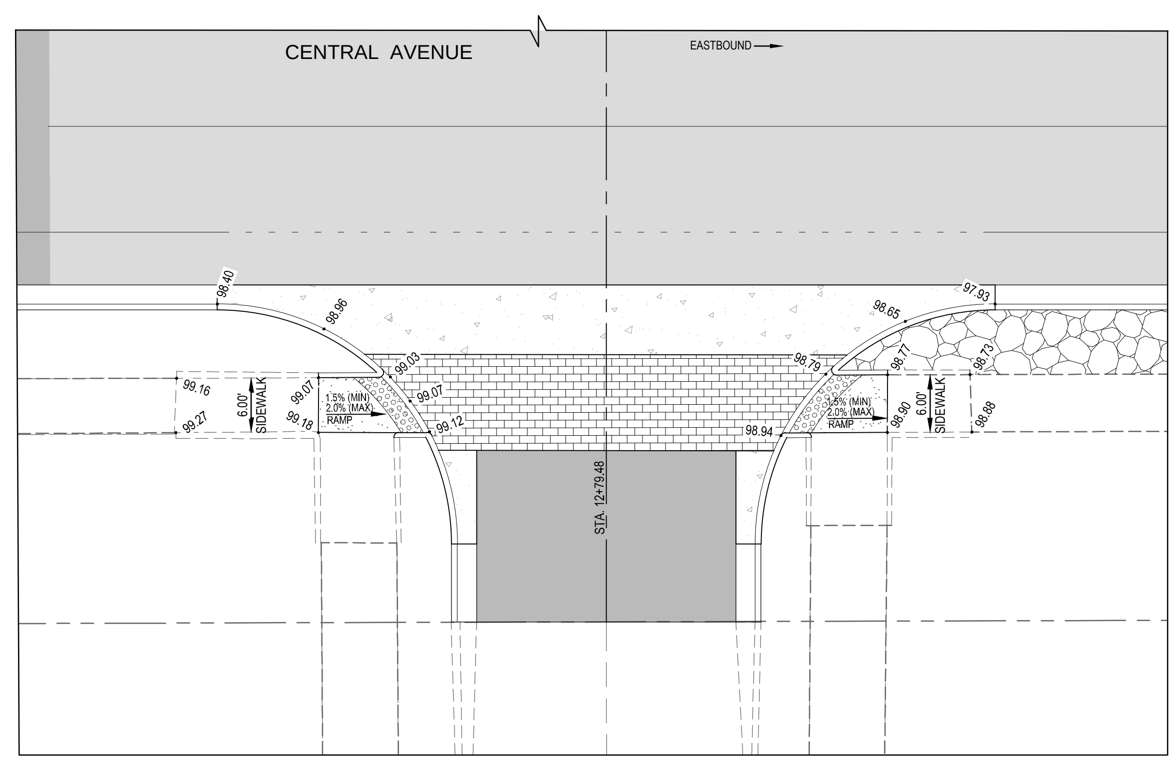
CENTRAL AVENUE N.W.



CENTRAL AVENUE N.W.



CENTRAL AVENUE S.W.



CENTRAL AVENUE S.W.

CONSTRUCTION NOTES:

- (A) SLOPE OF GUTTER DEPENDENT ON REQUIREMENTS FOR VALLEY GUTTER.
- (B) 1/4" MAX. LIP ABOVE FLOW LINE.
- (C) CURB & GUTTER.
- (D) 1/2" EXPANSION JOINT.
- (E) 8" AT FACE OF CURB.
- (F) CONSTRUCTION (CONTRACTION) JOINT.
- (G) HEADER CURB PER COA STD. DWG. 2415B.
- (H) DETECTABLE WARNING SURFACE. SEE 12 SERIES. (INCIDENTAL TO CONSTRUCTION)
- (J) 0.5' RADIUS (TYPICAL)
- (K) INSTALL 4" COLORED & PATTERNED CONCRETE.
- (L) 4" SIDEWALK PER COA STD DWG

ABBREVIATIONS:

TBC	TOP BACK CURB
FL	FLOW LINE
TA	TOP OF ASPHALT
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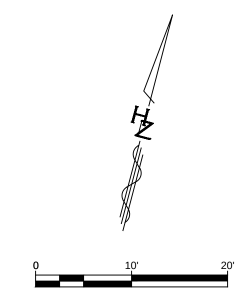
HC	TOP OF HEADER CURB



TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

AS BUILT INFORMATION
CONTRACTOR | DATE
WORK STAKED BY | DATE
INSPECTOR'S ACCEPTANCE BY | DATE
FIELD VERIFICATION BY | DATE
DRAWINGS CORRECTED BY | DATE

MICRO-FILM INFORMATION
RECORDED BY | DATE
NO.

BENCH MARKS
FOUND MONUMENT "7_K10"
STANDARD 3 1/4" ALUMINUM DISC
NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1983)
N=1,483,739.165
E=1,498,962.651
PUBLISHED EL=5097.854 (NAVD 1988)
GROUND TO GRID FACTOR=0.999683006
MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
PRELIMINARY
NOT FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.
FOR REVIEW ONLY.
SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

REVISIONS
NO. | DATE | REMARKS | BY

DESIGN
DESIGNED BY: GM | DATE: DEC. 16, 2016
DRAWN BY: LRT | DATE: DEC. 16, 2016
DWG NAME: 2-22_CURB-RAMPS.dwg | PROJ #: R304101.01
CHECKED BY: SAE | DATE: DEC. 16, 2016

Designed By:
HUITT-ZOLLARS
Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

60% SUBMITTAL

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: UNSER BOULEVARD RECONSTRUCTION
ADA CURB RAMPS

Design Review Committee	City Engineer	Last Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4383.91 | Zone Map No. J-09-Z, J-10-Z, K-09-Z, K-10-Z | Sheet 30 Of 77

CONTROL NO. A302050 | SHEET 2–23

Plotted: 1/12/2017 2:03:22 PM, By:Eddings, Scott
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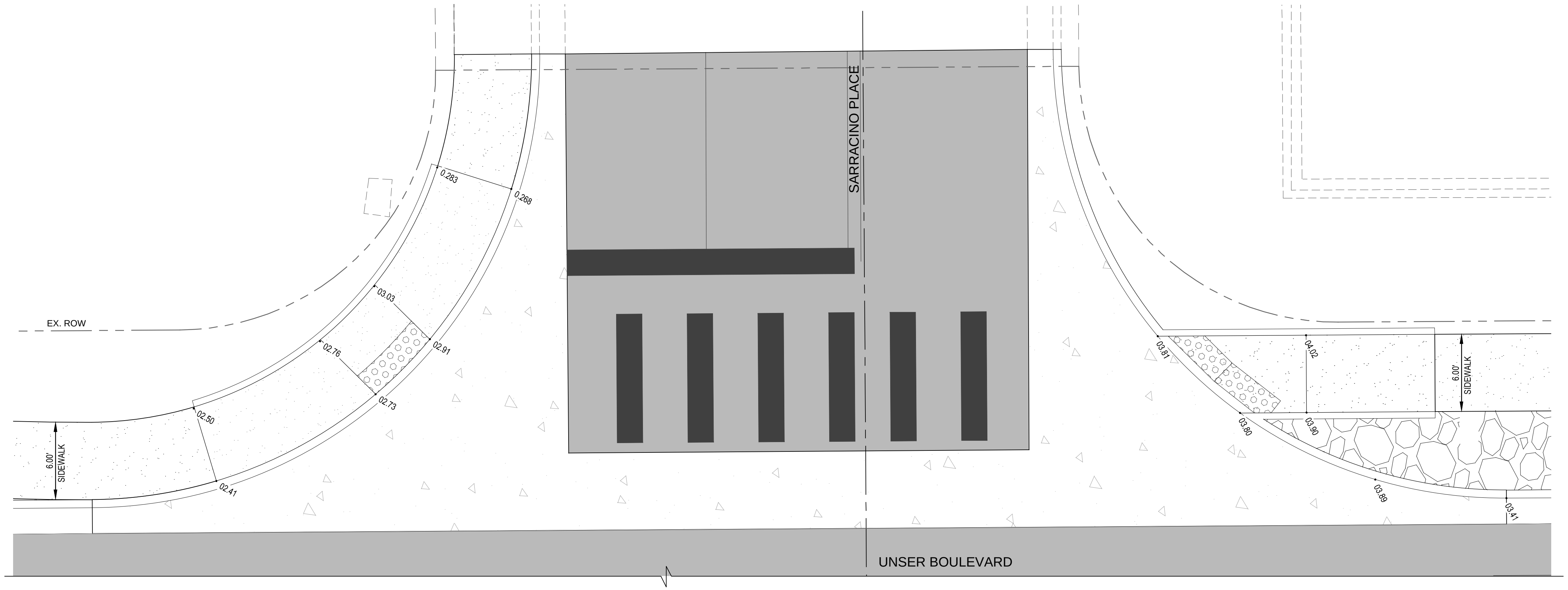
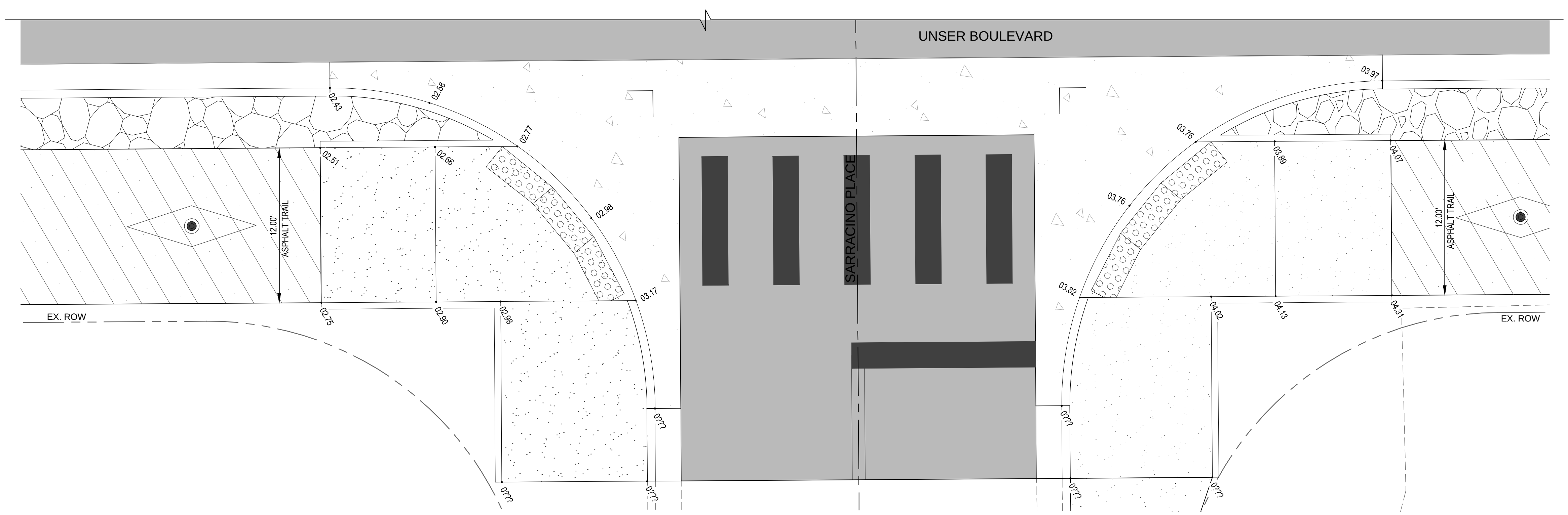
Last Saved:12/23/2016 7:17:20 AM, flatbys



SARRACINO PLACE (WEST)



SARRACINO PLACE (EAST)

CONSTRUCTION NOTES:

- (A) SLOPE OF GUTTER DEPENDENT ON REQUIREMENTS FOR VALLEY GUTTER.
- (B) 1/4" MAX. LIP ABOVE FLOW LINE.
- (C) CURB & GUTTER.
- (D) 1/2" EXPANSION JOINT.
- (E) 8" AT FACE OF CURB.
- (F) CONSTRUCTION (CONTRACTION) JOINT.
- (G) HEADER CURB PER COA STD. DWG. 2415B.
- (H) DETECTABLE WARNING SURFACE. SEE 12 SERIES. (INCIDENTAL TO CONSTRUCTION)
- (J) 0.5' RADIUS (TYPICAL)
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ABBREVIATIONS:

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FL	FLOW LINE
TA	TOP OF ASPHALT
TC	TOP OF CONCRETE
HC	TOP OF HEADER CURB

0 5' 10'
SCALE: 1" = 5'

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TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

AS BUILT INFORMATION
CONTRACTOR | DATE
WORK STAKED BY | DATE
INSPECTOR'S ACCEPTANCE BY | DATE
FIELD VERIFICATION BY | DATE
DRAWINGS CORRECTED BY | DATE

MICRO-FILM INFORMATION
RECORDED BY | DATE
NO.

BENCH MARKS
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GROUND TO GRID FACTOR=0.999683006
MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
PRELIMINARY
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SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

REVISIONS
NO. | DATE | BY | REMARKS

DESIGN
DESIGNED BY: GM | DATE: DEC. 16, 2016
DRAWN BY: LRT | DATE: DEC. 16, 2016
DWG NAME: 2-22_CURB-RAMPS.dwg | PROJ #: R304101.01
CHECKED BY: SAE | DATE: DEC. 16, 2016

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Huitt-Zollars, Inc. Albuquerque
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Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

60% SUBMITTAL

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: UNSER BOULEVARD RECONSTRUCTION
ADA CURB RAMPS
SARRACINO PLACE

Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.

Last Update

City Project No.	Zone Map No.	Sheet	Of
4383.91	J-09-Z, J-10-Z K-09-Z, K-10-Z	31	77

CONTROL NO. A302050
SHEET 2–24

Plotted: 1/12/2017 2:03:35 PM, By:Eddings, Scott
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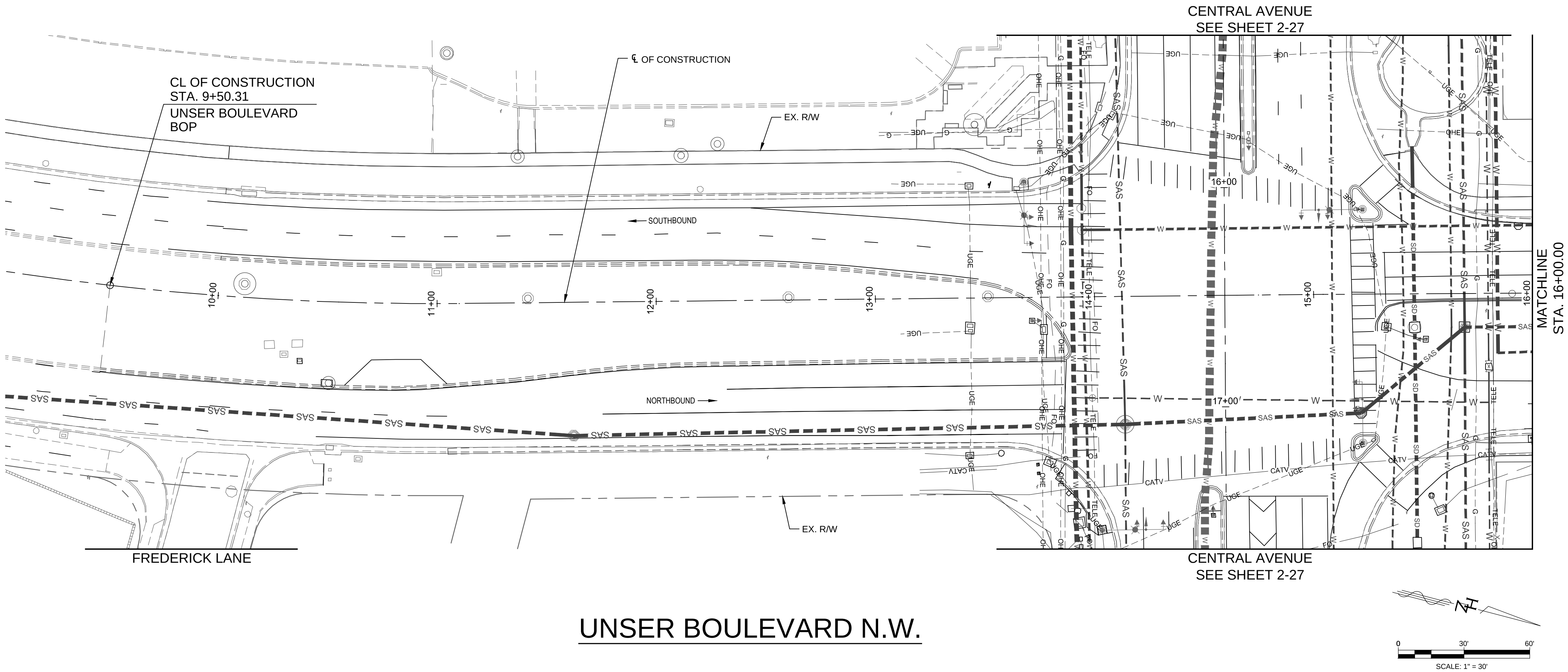
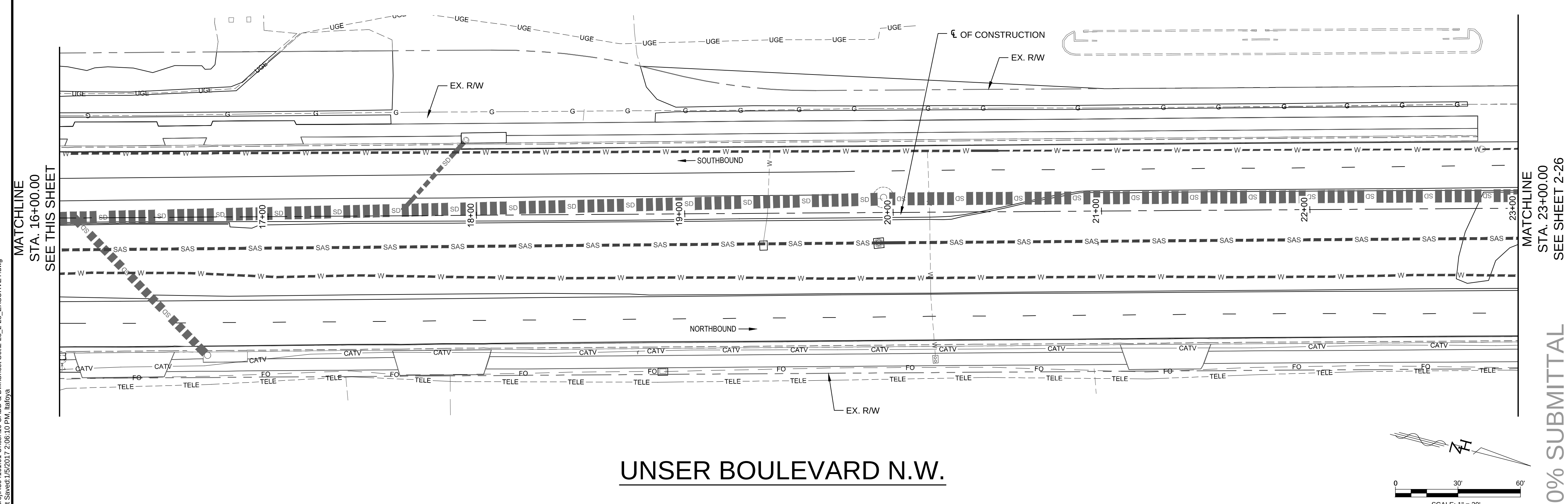
Last Saved:12/22/2016 7:17:20 AM; fiatbya



UNSER BOULEVARD N.W.



UNSER BOULEVARD N.W.

LEGEND

- NEW RIGHT-OF-WAY
- EX. RIGHT-OF-WAY
- EX. CURB & GUTTER
- EX. TRAFFIC SIGNAL
- EX. SIGN TO REMAIN
- EX. STREET LIGHT
- EX. BOLLARD
- EX. GAS VALVE
- EX. WATER VALVE
- EX. FIRE HYDRANT
- EX. PULLBOX
- EX. STORM DRAIN MANHOLE
- EX. STORM DRAIN PIPE
- EX. GAS LINE
- EX. WATER
- EX. SEWER LINE
- EX. UNDERGROUND ELECTRIC
- EX. OVERHEAD ELECTRIC
- EX. FIBER OPTIC
- EX. CABLE TV
- EX. TELECOM
- CENTERLINE
- EX. FENCE
- EX 4" SOLID WHITE OR YELLOW STRIPES
- EX. 4" DASHED WHITE STRIPE

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY
INSPECTOR'S ACCEPTANCE BY
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
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nm811
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REVISIONS
NO. | DATE | REMARKS | BY
DESIGN

DESIGNED BY: GM — DATE: DEC. 16, 2016
DRAWN BY: LRT — DATE: DEC. 16, 2016
DWG NAME: 2-25_2-28_EXSURVEY.dwg — PROJ #: R304101.01
CHECKED BY: SAE — DATE: DEC. 16, 2016

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HUITT-ZOLLARS
Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: UNSER BOULEVARD RECONSTRUCTION
EXISTING SURVEY
STA. 9+50.31 TO STA. 23+00.00

60% SUBMITTAL

Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.

Last Update

City Project No.	Zone Map No.	Sheet	Of
4383.91	J-09-Z, J-10-Z, K-09-Z, K-10-Z	32	77

CONTROL NO. A302050 SHEET 2–25

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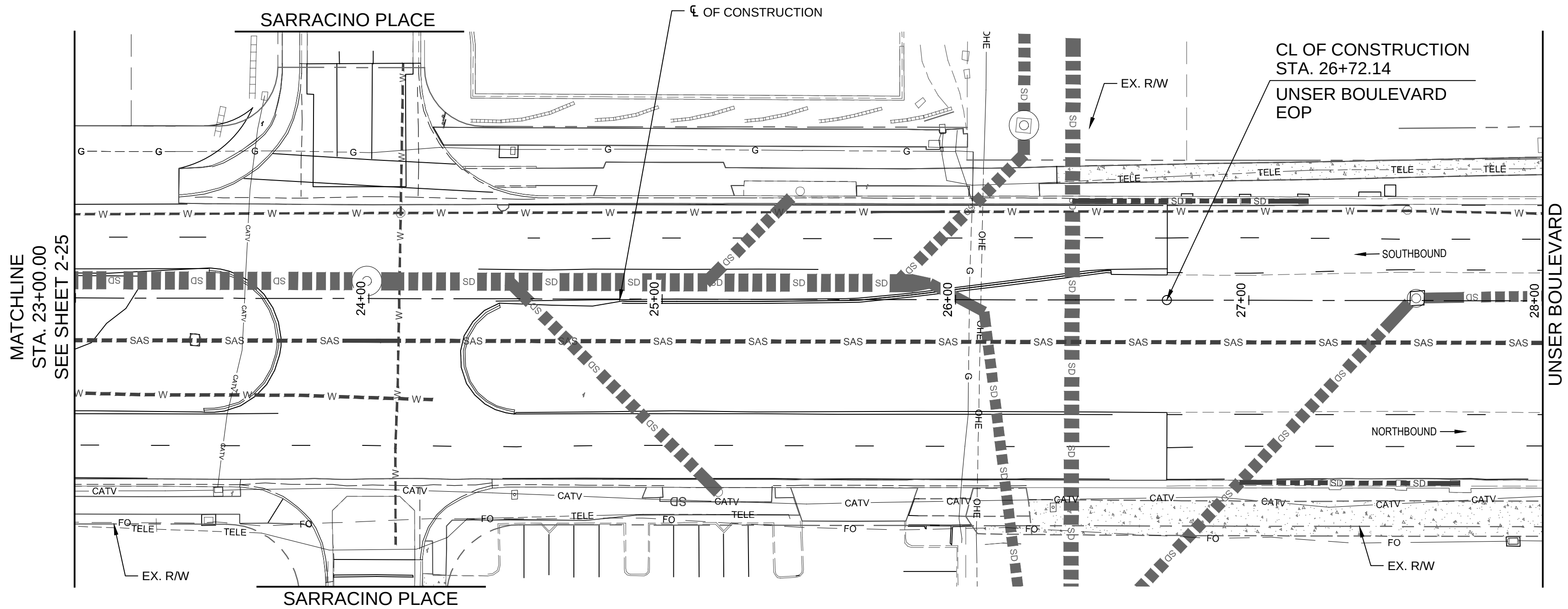
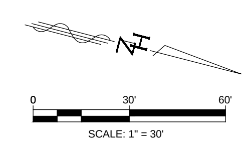


UNSER BOULEVARD N.W.



LEGEND

NEW RIGHT-OF-WAY
EX. RIGHT-OF-WAY
EX. CURB & GUTTER
EX. TRAFFIC SIGNAL
EX. SIGN TO REMAIN
EX. STREET LIGHT
EX. BOLLARD
EX. GAS VALVE
EX. WATER VALVE
EX. FIRE HYDRANT
EX. PULLBOX
EX. STORM DRAIN MANHOLE
EX. STORM DRAIN PIPE
EX. GAS LINE
EX. WATER
EX. SEWER LINE
EX. UNDERGROUND ELECTRIC
EX. OVERHEAD ELECTRIC
EX. FIBER OPTIC
EX. CABLE TV
EX. TELECOM
CENTERLINE
EX. FENCE
EX 4" SOLID WHITE OR YELLOW STRIPES
EX. 4" DASHED WHITE STRIPE

AS BUILT INFORMATION
CONTRACTOR | DATE
WORK STAKED BY | DATE
INSPECTOR'S ACCEPTANCE BY | DATE
FIELD VERIFICATION BY | DATE
DRAWINGS CORRECTED BY | DATE
MICRO-FILM INFORMATION
RECORDED BY | DATE
NO.

BENCH MARKS
FOUND MONUMENT "7_K10"
STANDARD 3 1/4" ALUMINUM DISC
NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1983)
N=1,483,739.165
E=1,498,962.651
PUBLISHED EL=5097.654 (NAVD 1988)
GROUND TO GRID FACTOR=0.999683006
MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
PRELIMINARY
NOT FOR CONSTRUCTION,
BIDDING, OR PERMIT PURPOSES.
FOR REVIEW ONLY.
SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

NO. | DATE | REMARKS | BY
REVISIONS
DESIGN
DESIGNED BY: GM | DATE: DEC. 16, 2016
DRAWN BY: LRT | DATE: DEC. 16, 2016
DWG NAME: 2-25_2-28_EXSURVEY.dwg | PROJ #: R304101.01
CHECKED BY: SAE | DATE: DEC. 16, 2016

nm811
Know what's below. Call before you dig.
TWO WORKING DAYS
BEFORE YOU DIG CALL
811 OR 260-1990

Designed By:

HUITT-ZOLLARS
Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

60% SUBMITTAL

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: UNSER BOULEVARD RECONSTRUCTION
EXISTING SURVEY
STA. 23+00.00 TO STA. 26+72.14

Design Review Committee	City Engineer	Last Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4383.91
Zone Map No. J-09-Z, J-10-Z K-09-Z, K-10-Z
Sheet 33 Of 77

CONTROL NO. A302050
SHEET 2–26

Plotted: 1/12/2017 2:04:22 PM, By:Eddings, Scott
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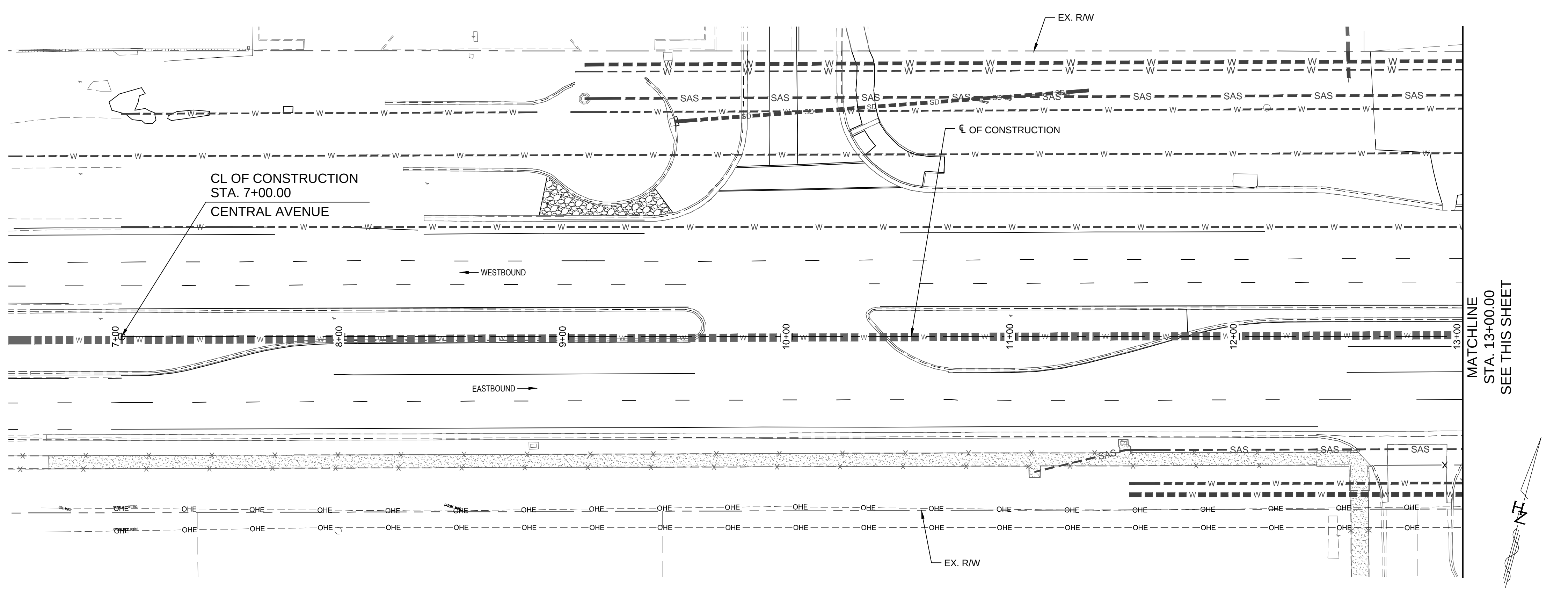
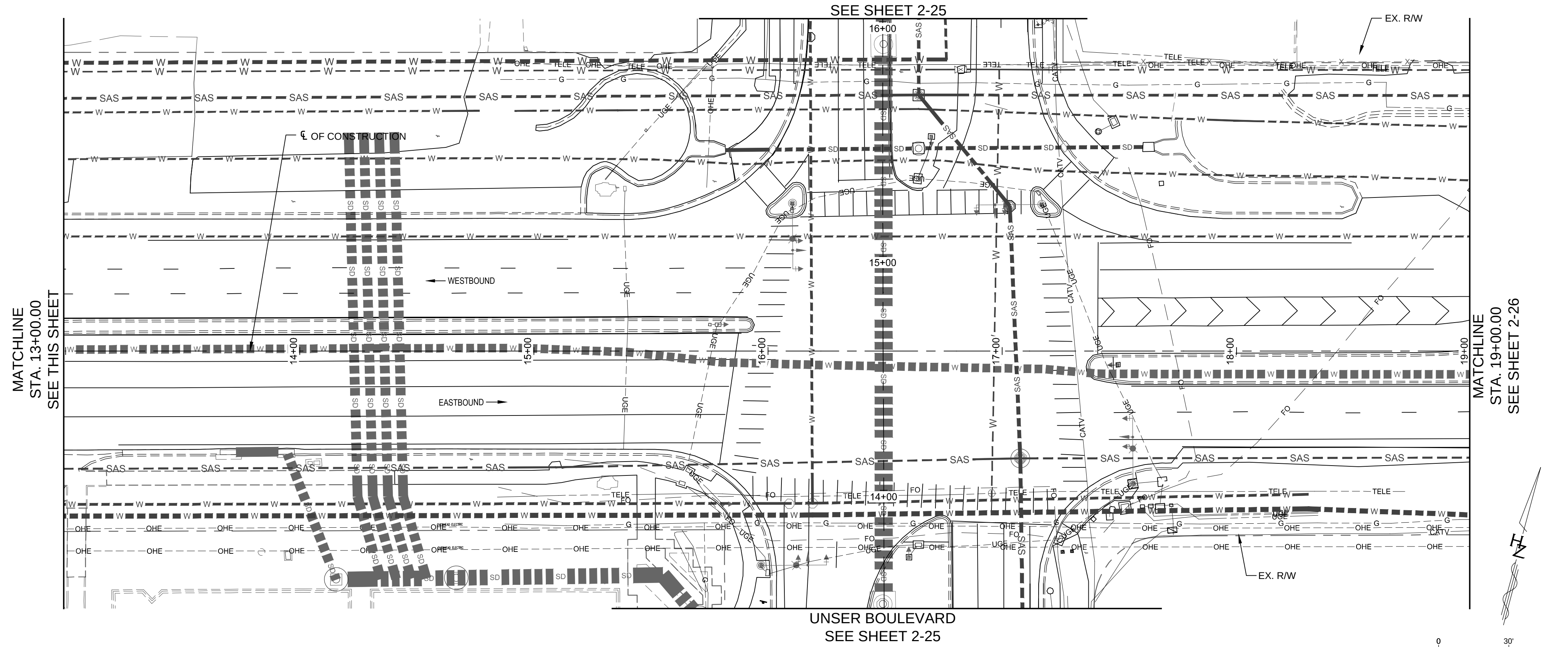


CENTRAL AVENUE N.W.

SCALE: 1" = 30'



CENTRAL AVENUE N.W.

SCALE: 1" = 30'

LEGEND

- NEW RIGHT-OF-WAY
- EX. RIGHT-OF-WAY
- EX. CURB & GUTTER
- EX. TRAFFIC SIGNAL
- EX. SIGN TO REMAIN
- EX. STREET LIGHT
- EX. BOLLARD
- EX. GAS VALVE
- EX. WATER VALVE
- EX. FIRE HYDRANT
- EX. PULLBOX
- EX. STORM DRAIN MANHOLE
- EX. STORM DRAIN PIPE
- EX. GAS LINE
- EX. WATER
- EX. SEWER LINE
- EX. UNDERGROUND ELECTRIC
- EX. OVERHEAD ELECTRIC
- EX. FIBER OPTIC
- EX. CABLE TV
- EX. TELECOM
- CENTERLINE
- EX. FENCE
- EX 4" SOLID WHITE OR YELLOW STRIPES
- EX. 4" DASHED WHITE STRIPE

AS BUILT INFORMATION
CONTRACTOR | DATE
WORK STAKED BY | DATE
INSPECTOR'S ACCEPTANCE BY | DATE
FIELD VERIFICATION BY | DATE
DRAWINGS CORRECTED BY | DATE

MICRO-FILM INFORMATION
RECORDED BY | DATE
NO.

BENCH MARKS
FOUND MONUMENT "7_K10"
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GROUND TO GRID FACTOR=0.999683006
MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

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FOR REVIEW ONLY.
SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

NO.	DATE	BY	REVISIONS REMARKS

DESIGN
DESIGNED BY: GM | DATE: DEC. 16, 2016
DRAWN BY: LRT | DATE: DEC. 16, 2016
DWG NAME: 2-25_2-28_EXSURVEY.dwg | PROJ #: R304101.01
CHECKED BY: SAE | DATE: DEC. 16, 2016

nm811
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60% SUBMITTAL

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: UNSER BOULEVARD RECONSTRUCTION
EXISTING SURVEY
STA. 7+00.00 TO STA. 19+00.00

Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.

Last Update

City Project No.	Zone Map No.	Sheet	Of
4383.91	J-09-Z, J-10-Z K-09-Z, K-10-Z	34	77

CONTROL NO. A302050

SHEET 2–27

Plotted: 1/12/2017 2:04:35 PM, By:Eddings, Scott
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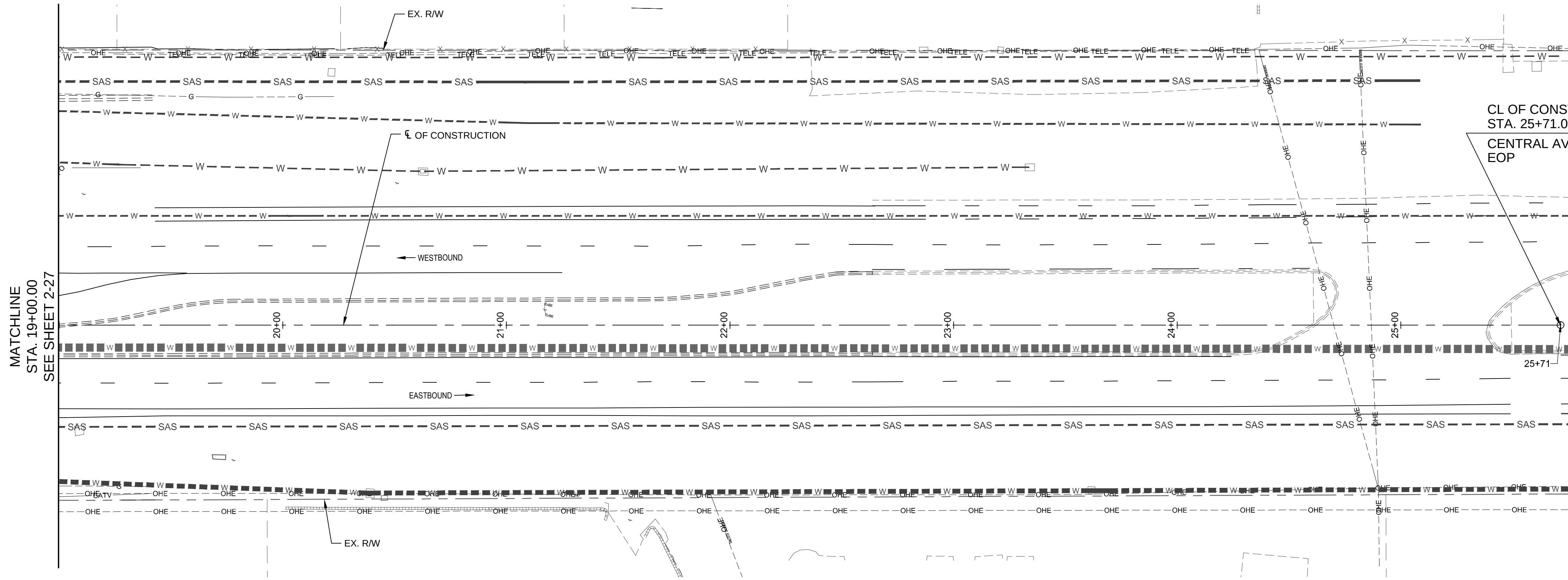
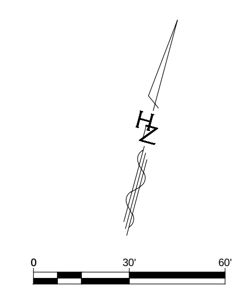


CENTRAL AVENUE N.W.



LEGEND

- NEW RIGHT-OF-WAY
- EX. RIGHT-OF-WAY
- EX. CURB & GUTTER
- EX. TRAFFIC SIGNAL
- EX. SIGN TO REMAIN
- EX. STREET LIGHT
- EX. BOLLARD
- EX. GAS VALVE
- EX. WATER VALVE
- EX. FIRE HYDRANT
- EX. PULLBOX
- EX. STORM DRAIN MANHOLE
- SD — EX. STORM DRAIN PIPE
- G — EX. GAS LINE
- W — EX. WATER
- S — EX. SEWER LINE
- UGE — EX. UNDERGROUND ELECTRIC
- OHE — EX. OVERHEAD ELECTRIC
- FO — EX. FIBER OPTIC
- CATV — EX. CABLE TV
- TELE — EX. TELECOM
- CENTERLINE
- X — EX. FENCE
- EX 4" SOLID WHITE OR YELLOW STRIPES
- EX. 4" DASHED WHITE STRIPE

AS BUILT INFORMATION
CONTRACTOR | DATE
WORK STAKED BY | DATE
INSPECTOR'S ACCEPTANCE BY | DATE
FIELD VERIFICATION BY | DATE
DRAWINGS CORRECTED BY | DATE

MICRO-FILM INFORMATION
RECORDED BY | DATE
NO.

BENCH MARKS
FOUND MONUMENT "7_K10"
STANDARD 3 1/4" ALUMINUM DISC
NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1983)
N=1,483,739.165
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PUBLISHED EL=5097.854 (NAVD 1988)
GROUND TO GRID FACTOR=0.999683006
MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
PRELIMINARY
NOT FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES. FOR REVIEW ONLY.
SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN
DESIGNED BY: GM — DATE: DEC. 16, 2016
DRAWN BY: LRT — DATE: DEC. 16, 2016
DWG NAME: 2-25_2-28_EXSURVEY.dwg — PROJ #: R304101.01
CHECKED BY: SAE — DATE: DEC. 16, 2016

Know what's below. Call before you dig.
TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

Designed By:
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Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: UNSER BOULEVARD RECONSTRUCTION
EXISTING SURVEY
STA. 19+00.00 TO STA. 25+71.00

Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.

Last Update

City Project No. 4383.91 | Zone Map No. J-09-Z, J-10-Z, K-09-Z, K-10-Z | Sheet 35 Of 77

CONTROL NO. A302050 SHEET 2–28

60% SUBMITTAL

Plotted: 1/12/2017 2:04:47 PM, By:Eddings, Scott
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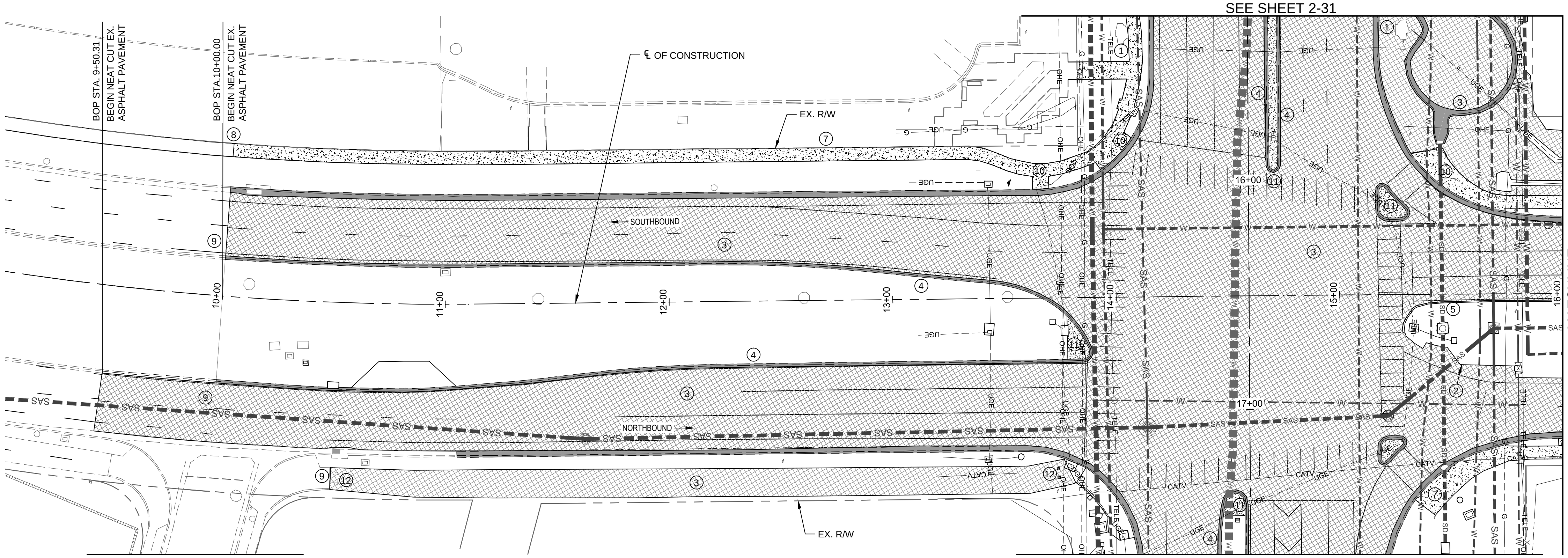
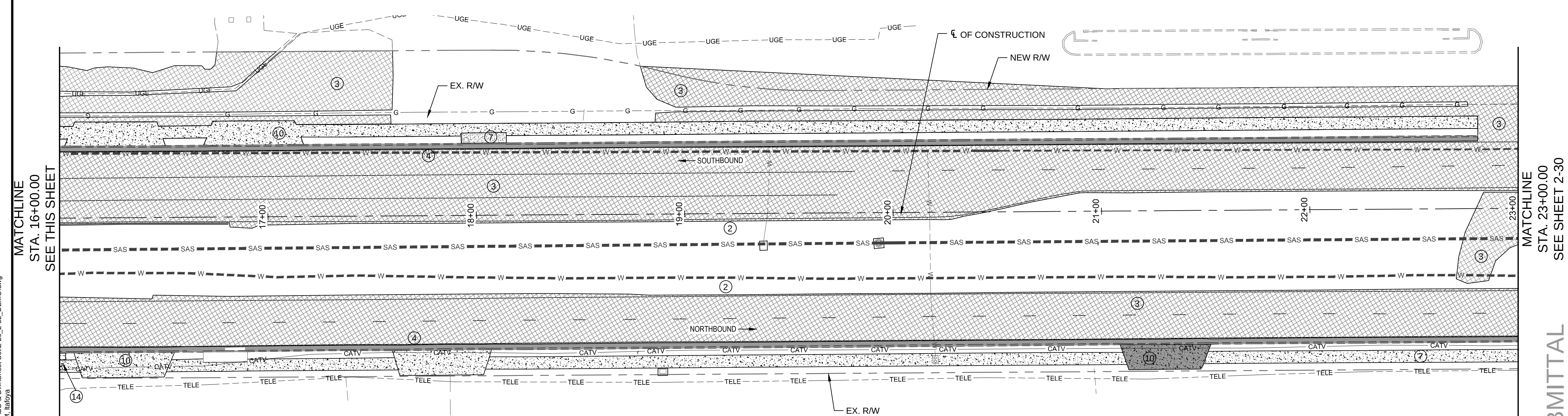


UNSER BOULEVARD N.W.

NOTICE TO CONTRACTOR

1. CONTRACTOR SHALL INSTALL TEMPORARY 6' CHAIN LINK FENCING TO MAINTAIN RAIL YARD SECURITY DURING CONSTRUCTION.



UNSER BOULEVARD N.W.

60% SUBMITTAL

CONSTRUCTION NOTES

1. PROTECT IN PLACE.
2. EDGE OF EXISTING ASPHALT.
3. REMOVE EXISTING PAVEMENT.
4. REMOVE EXISTING CONC. CURB AND GUTTER.
5. REMOVE EXISTING ASPHALT CURB.
6. REMOVE EXISTING CONCRETE CURB.
7. REMOVE EXISTING CONCRETE.
8. NEAT CUT EXISTING CONCRETE.
9. NEAT CUT EXISTING ASPHALT.
10. REMOVE EXISTING SIDEWALK AND RAMPS
11. REMOVE EXISTING DECORATIVE CONCRETE PAVEMENT
12. REMOVE BOLLARDS REPLACE WITH RETRACTABLE ON THE NEW TRAIL.
13. REMOVE EX. SIGNS
14. REMOVE & SALVAGE EX. FIRE HYDRANT
15. EX. LIGHT TO REMAIN.
16. EX. PULL BOXES TO REMAIN.
17. EX. TRAFFIC SIGNAL POLES TO REMAIN.
18. REMOVE & RELOCATE EX. PULLBOXES
19. REMOVE & RELOCATE EX. TRAFFIC SIGNAL POLE
20. REMOVE EX. FENCE
21. REMOVE EX. RIPRAP

LEGEND

- NEW RIGHT-OF-WAY
- EX. RIGHT-OF-WAY
- EX. CURB & GUTTER
- EX. CURB & GUTTER TO BE REMOVED
- EX. CONC. SIDEWALK TO BE REMOVED
- EX. CONCRETE TO BE REMOVED
- EX. ASPHALT TO BE REMOVED
- EX. RIPRAP TO BE REMOVED
- EX. TRAFFIC SIGNAL
- EX. SIGN TO REMAIN
- EX. SIGN TO BE REMOVED
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- CATV — EX. CABLE TV
- TELE — EX. TELECOM
- CENTERLINE
- X — EX. FENCE
- 4" SOLID WHITE OR YELLOW STRIPE TO REMAIN
- EX. 4" DASHED WHITE STRIPE TO REMAIN
- EX. 4" SOLID WHITE OR YELLOW STRIPE TO BE REMOVED
- EX. 4" DASHED WHITE STRIPE TO BE REMOVED

nm811 Know what's below. Call before you dig. TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

AS BUILT INFORMATION — CONTRACTOR — WORK STAKED BY — INSPECTOR'S ACCEPTANCE BY — FIELD VERIFICATION BY — DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION — RECORDED BY — NO. — DATE

BENCH MARKS

FOUND MONUMENT "7_K10"
STANDARD 3 1/4" ALUMINUM DISC
NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1983)
N=1,483,739.165
E=1,498,962.651
PUBLISHED EL=5097.854 (NAVD 1988)
GROUND TO GRID FACTOR=0.999683006
MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION — FIELD NOTES — NO. — BY — DATE

ENGINEER'S SEAL

PRELIMINARY
NOT FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES. FOR REVIEW ONLY.
SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC. Consulting Engineers

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY: GM — DATE: DEC. 16, 2016
DRAWN BY: LRT — DATE: DEC. 16, 2016
DWG NAME: 2-29_2-32_DEMO.dwg — PROJ #: R304101.01
CHECKED BY: SAE — DATE: DEC. 16, 2016

Designed By:
HUITT-ZOLLARS
Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: UNSER BOULEVARD RECONSTRUCTION
DEMOLITION PLAN
STA. 9+50.31 TO STA. 23+00.00

Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.

Last Update

City Project No.	Zone Map No.	Sheet	Of
4383.91	J-09-Z, J-10-Z K-09-Z, K-10-Z	36	77

CONTROL NO. A302050 SHEET 2–29

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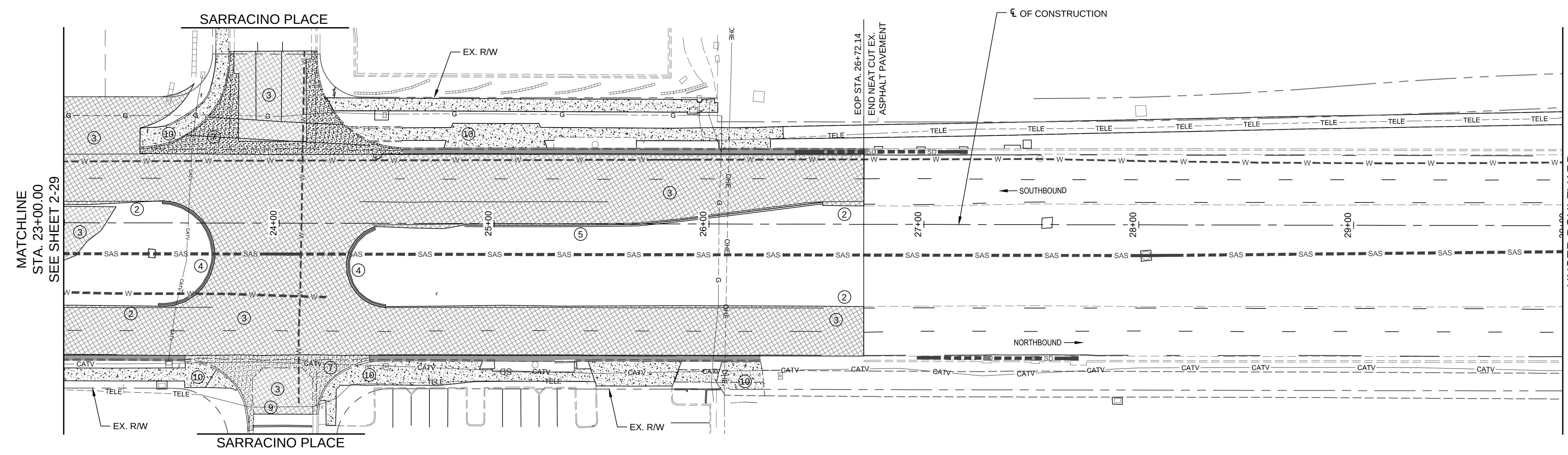

CONSTRUCTION NOTES

1. PROTECT IN PLACE.
2. EDGE OF EXISTING ASPHALT.
3. REMOVE EXISTING PAVEMENT.
4. REMOVE EXISTING CONC. CURB AND GUTTER.
5. REMOVE EXISTING ASPHALT CURB.
6. REMOVE EXISTING CONCRETE CURB.
7. REMOVE EXISTING CONCRETE.
8. NEAT CUT EXISTING CONCRETE.
9. NEAT CUT EXISTING ASPHALT.
10. REMOVE EXISTING SIDEWALK AND RAMPS
11. REMOVE EXISTING DECORATIVE CONCRETE PAVEMENT
12. REMOVE BOLLARDS REPLACE WITH RETRACTABLE ON THE NEW TRAIL.
13. REMOVE EX. SIGNS
14. REMOVE & SALVAGE EX. FIRE HYDRANT
15. EX. LIGHT TO REMAIN.
16. EX. PULL BOXES TO REMAIN.
17. EX. TRAFFIC SIGNAL POLES TO REMAIN.
18. REMOVE & RELOCATE EX. PULLBOXES
19. REMOVE & RELOCATE EX. TRAFFIC SIGNAL POLE
20. REMOVE EX. FENCE
21. REMOVE EX. RIPRAP

NOTICE TO CONTRACTOR

1. CONTRACTOR SHALL INSTALL TEMPORARY 6' CHAIN LINK FENCING TO MAINTAIN RAIL YARD SECURITY DURING CONSTRUCTION.

UNSER BOULEVARD N.W.

0 30' 60'
SCALE: 1" = 30'

LEGEND

NEW RIGHT-OF-WAY
EX. RIGHT-OF-WAY
EX. CURB & GUTTER
EX. CURB & GUTTER TO BE REMOVED
EX. CONC. SIDEWALK TO BE REMOVED
EX. CONCRETE TO BE REMOVED
EX. ASPHALT TO BE REMOVED
EX. RIPRAP TO BE REMOVED
EX. TRAFFIC SIGNAL
EX. SIGN TO REMAIN
EX. SIGN TO BE REMOVED
EX. STREET LIGHT
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EX. WATER VALVE
EX. FIRE HYDRANT
EX. PULLBOX
EX. STORM DRAIN MANHOLE
SD EX. STORM DRAIN PIPE
G EX. GAS LINE
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S EX. SEWER LINE
UGE EX. UNDERGROUND ELECTRIC
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CATV EX. CABLE TV
TELE EX. TELECOM
CENTERLINE
X EX. FENCE
4" SOLID WHITE OR YELLOW STRIPE TO REMAIN
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EX. 4" SOLID WHITE OR YELLOW STRIPE TO BE REMOVED
EX. 4" DASHED WHITE STRIPE TO BE REMOVED

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TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

AS BUILT INFORMATION	DATE
CONTRACTOR	
WORK STARTED BY	
INSPECTOR'S ACCEPTANCE BY	
FIELD VERIFICATION BY	
DRAWINGS CORRECTED BY	
MICRO-FILM INFORMATION	
RECORDED BY	
NO.	

BENCH MARKS
FOUND MONUMENT "7_K10"
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SURVEY INFORMATION
FIELD NOTES
NO.	BY	DATE

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SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

NO.	DATE	REVISIONS REMARKS	BY

DESIGN
DESIGNED BY: GM DATE: DEC. 16, 2016
DRAWN BY: LRT DATE: DEC. 16, 2016
DWG NAME: 2-29_2-32_DEMO.dwg PROJ #: R304101.01
CHECKED BY: SAE DATE: DEC. 16, 2016

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Albuquerque, New Mexico 87110
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CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: UNSER BOULEVARD RECONSTRUCTION
DEMOLITION PLAN
STA. 23+00.00 TO STA. 26+72.14

60% SUBMITTAL

Design Review Committee	City Engineer	Last Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4383.91	J-09-Z, J-10-Z K-09-Z, K-10-Z	37	77

CONTROL NO. A302050 SHEET 2–30

Plotted: 1/12/2017 2:05:32 PM, By:Eddings, Scott
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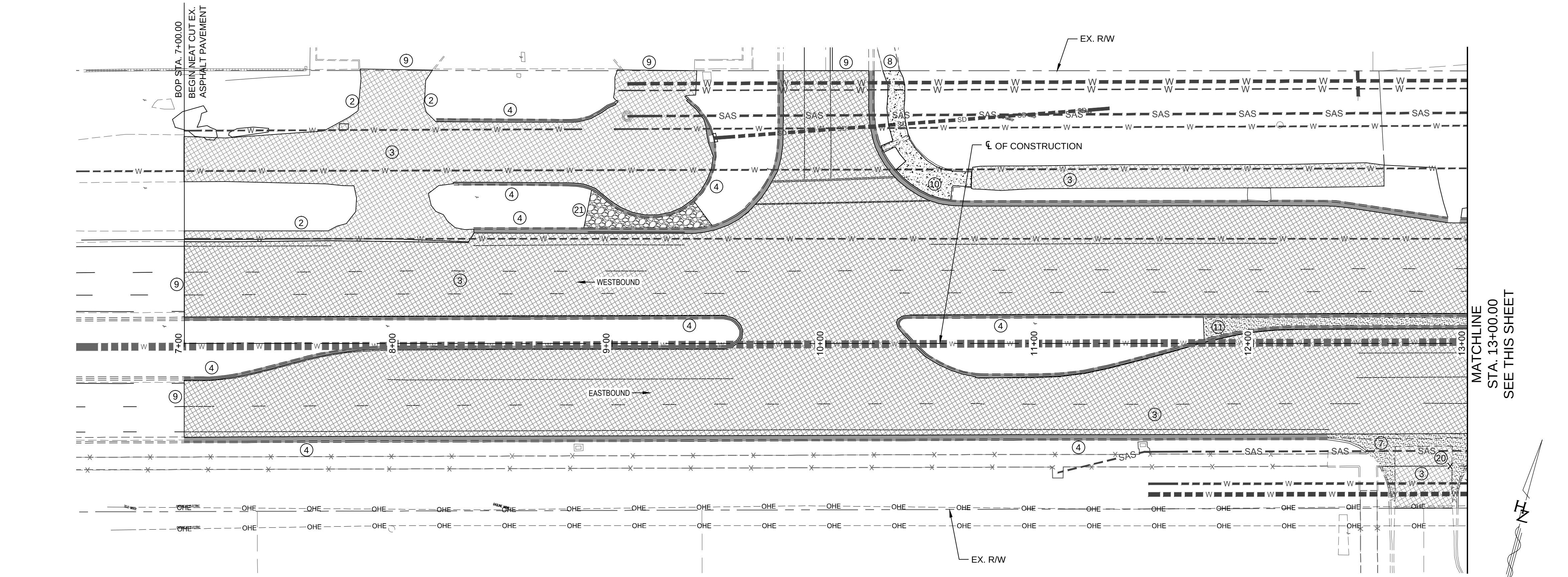

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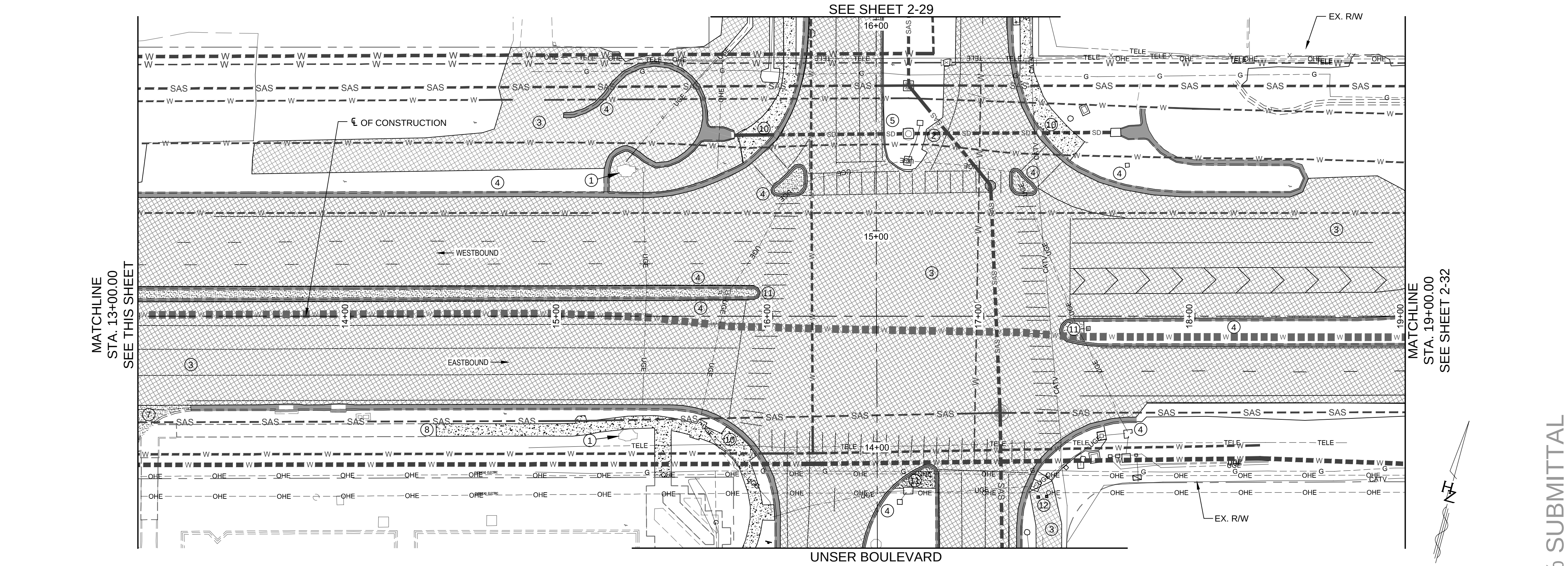
CENTRAL AVENUE N.W.



CENTRAL AVENUE N.W.

CONSTRUCTION NOTES

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3. REMOVE EXISTING PAVEMENT.
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10. REMOVE EXISTING SIDEWALK AND RAMPS
11. REMOVE EXISTING DECORATIVE CONCRETE PAVEMENT
12. REMOVE BOLLARDS REPLACE WITH RETRACTABLE ON THE NEW TRAIL.
13. REMOVE EX. SIGNS
14. REMOVE & SALVAGE EX. FIRE HYDRANT
15. EX. LIGHT TO REMAIN.
16. EX. PULL BOXES TO REMAIN.
17. EX. TRAFFIC SIGNAL POLES TO REMAIN.
18. REMOVE & RELOCATE EX. PULLBOXES
19. REMOVE & RELOCATE EX. TRAFFIC SIGNAL POLE
20. REMOVE EX. FENCE
21. REMOVE EX. RIPRAP

LEGEND

NEW RIGHT-OF-WAY
EX. RIGHT-OF-WAY
EX. CURB & GUTTER
EX. CURB & GUTTER TO BE REMOVED
EX. CONC. SIDEWALK TO BE REMOVED
EX. CONCRETE TO BE REMOVED
EX. ASPHALT TO BE REMOVED
EX. RIPRAP TO BE REMOVED
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EX. STORM DRAIN PIPE
EX. GAS LINE
EX. WATER
EX. SEWER LINE
EX. UNDERGROUND ELECTRIC
EX. OVERHEAD ELECTRIC
EX. FIBER OPTIC
EX. CABLE TV
EX. TELECOM
CENTERLINE
EX. FENCE
4" SOLID WHITE OR YELLOW STRIPE TO REMAIN
EX. 4" DASHED WHITE STRIPE TO REMAIN
EX. 4" SOLID WHITE OR YELLOW STRIPE TO BE REMOVED
EX. 4" DASHED WHITE STRIPE TO BE REMOVED

nm811 Know what's below. Call before you dig.
TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

AS BUILT INFORMATION
CONTRACTOR | DATE
WORK STARTED BY | DATE
INSPECTOR'S ACCEPTANCE BY | DATE
FIELD VERIFICATION BY | DATE
DRAWINGS CORRECTED BY | DATE
MICRO-FILM INFORMATION
RECORDED BY | DATE
NO.

BENCH MARKS
FOUND MONUMENT "7_K10"
STANDARD 3 1/4" ALUMINUM DISC
NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1983)
N=1,483,739.165
E=1,498,962.651
PUBLISHED EL=5097.854 (N.A.V.D 1988)
GROUND TO GRID FACTOR=0.999683006
MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
PRELIMINARY
NOT FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES. FOR REVIEW ONLY.
SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC. Consulting Engineers

REVISIONS
NO. | DATE | BY | REMARKS

DESIGN
DESIGNED BY: GM | DATE: DEC. 16, 2016
DRAWN BY: LRT | DATE: DEC. 16, 2016
DWG NAME: 2-29_2-32_DEMO.dwg | PROJ #: R304101.01
CHECKED BY: SAE | DATE: DEC. 16, 2016

Designed By:
HUITT-ZOLLARS
Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

60% SUBMITTAL

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: UNSER BOULEVARD RECONSTRUCTION
DEMOLITION PLAN
STA. 7+00.00 TO STA. 19+00.00

Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.

Last Update

City Project No.	Zone Map No.	Sheet	Of
4383.91	J-09-Z, J-10-Z K-09-Z, K-10-Z	38	77

CONTROL NO. A302050 SHEET 2-31

Plotted: 1/12/2017 2:05:46 PM, By:Eddings, Scott
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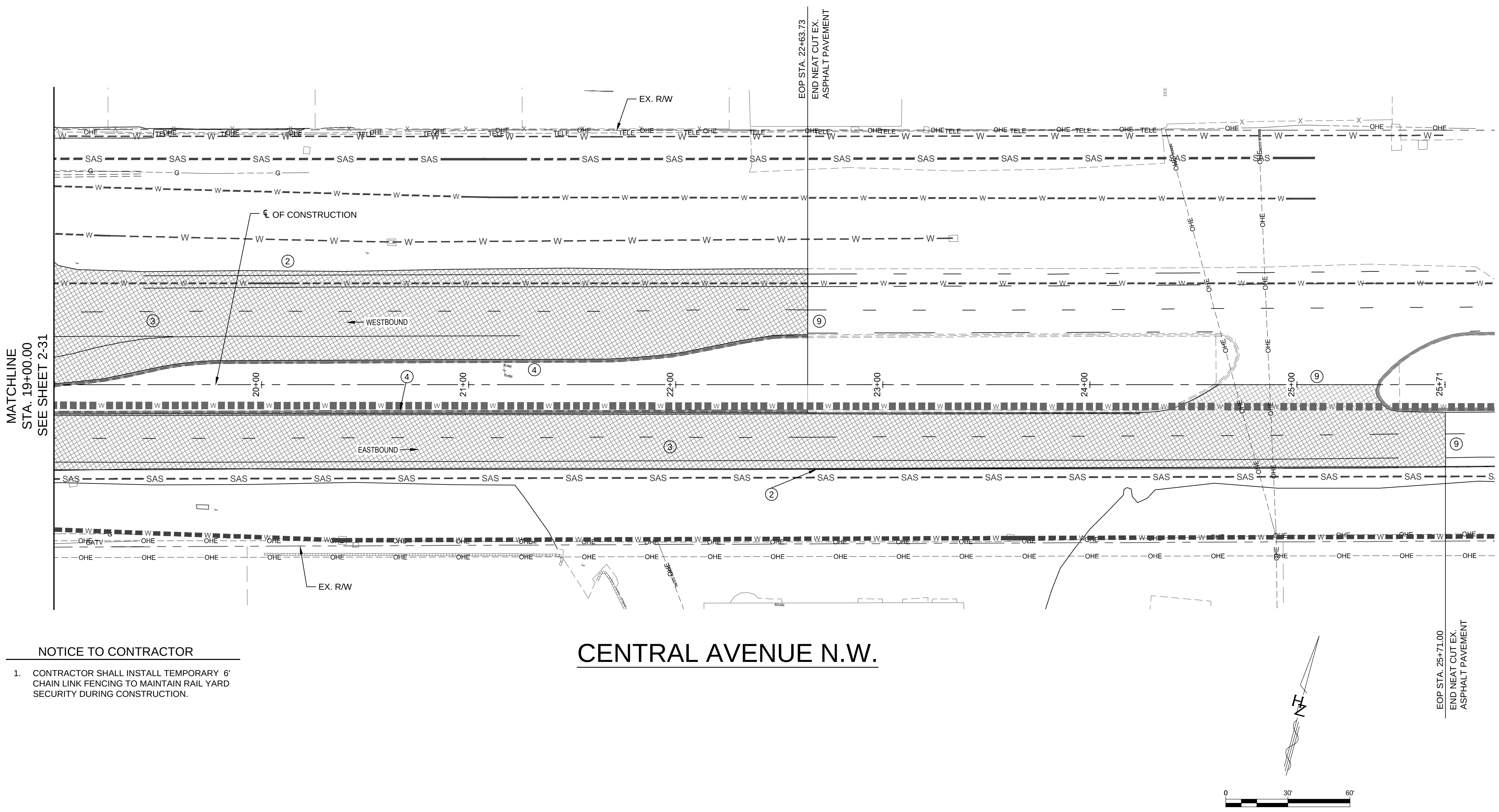

NOTICE TO CONTRACTOR

1. CONTRACTOR SHALL INSTALL TEMPORARY 6' CHAIN LINK FENCING TO MAINTAIN RAIL YARD SECURITY DURING CONSTRUCTION.

CONSTRUCTION NOTES

1. PROTECT IN PLACE.
2. EDGE OF EXISTING ASPHALT.
3. REMOVE EXISTING PAVEMENT.
4. REMOVE EXISTING CONC. CURB AND GUTTER.
5. REMOVE EXISTING ASPHALT CURB.
6. REMOVE EXISTING CONCRETE CURB.
7. REMOVE EXISTING CONCRETE.
8. NEAT CUT EXISTING CONCRETE.
9. NEAT CUT EXISTING ASPHALT.
10. REMOVE EXISTING SIDEWALK AND RAMPS
11. REMOVE EXISTING DECORATIVE CONCRETE PAVEMENT
12. REMOVE BOLLARDS REPLACE WITH RETRACTABLE ON THE NEW TRAIL.
13. REMOVE EX. SIGNS
14. REMOVE & SALVAGE EX. FIRE HYDRANT
15. EX. LIGHT TO REMAIN.
16. EX. PULL BOXES TO REMAIN.
17. EX. TRAFFIC SIGNAL POLES TO REMAIN.
18. REMOVE & RELOCATE EX. PULLBOXES
19. REMOVE & RELOCATE EX. TRAFFIC SIGNAL POLE
20. REMOVE EX. FENCE
21. REMOVE EX. RIPRAP

LEGEND

NEW RIGHT-OF-WAY
EX. RIGHT-OF-WAY
EX. CURB & GUTTER
EX. CURB & GUTTER TO BE REMOVED
EX. CONC. SIDEWALK TO BE REMOVED
EX. CONCRETE TO BE REMOVED
EX. ASPHALT TO BE REMOVED
EX. RIPRAP TO BE REMOVED
EX. TRAFFIC SIGNAL
EX. SIGN TO REMAIN
EX. SIGN TO BE REMOVED
EX. STREET LIGHT
EX. BOLLARD TO BE REMOVED
EX. GAS VALVE
EX. WATER VALVE
EX. FIRE HYDRANT
EX. PULLBOX
EX. STORM DRAIN MANHOLE
EX. STORM DRAIN PIPE
EX. GAS LINE
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EX. SEWER LINE
EX. UNDERGROUND ELECTRIC
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SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

REVISIONS
NO. | DATE | REMARKS | BY

DESIGN
DESIGNED BY: GM | DATE: DEC. 16, 2016
DRAWN BY: LRT | DATE: DEC. 16, 2016
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Phone (505) 883-8114 Fax (505) 883-5022

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CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: UNSER BOULEVARD RECONSTRUCTION
DEMOLITION PLAN
STA. 19+00.00 TO STA. 25+71.49

Design Review Committee	City Engineer	Last Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4383.91
Zone Map No. J-09-Z, J-10-Z, K-09-Z, K-10-Z
Sheet 39 Of 77

CONTROL NO. A302050
SHEET 2-32

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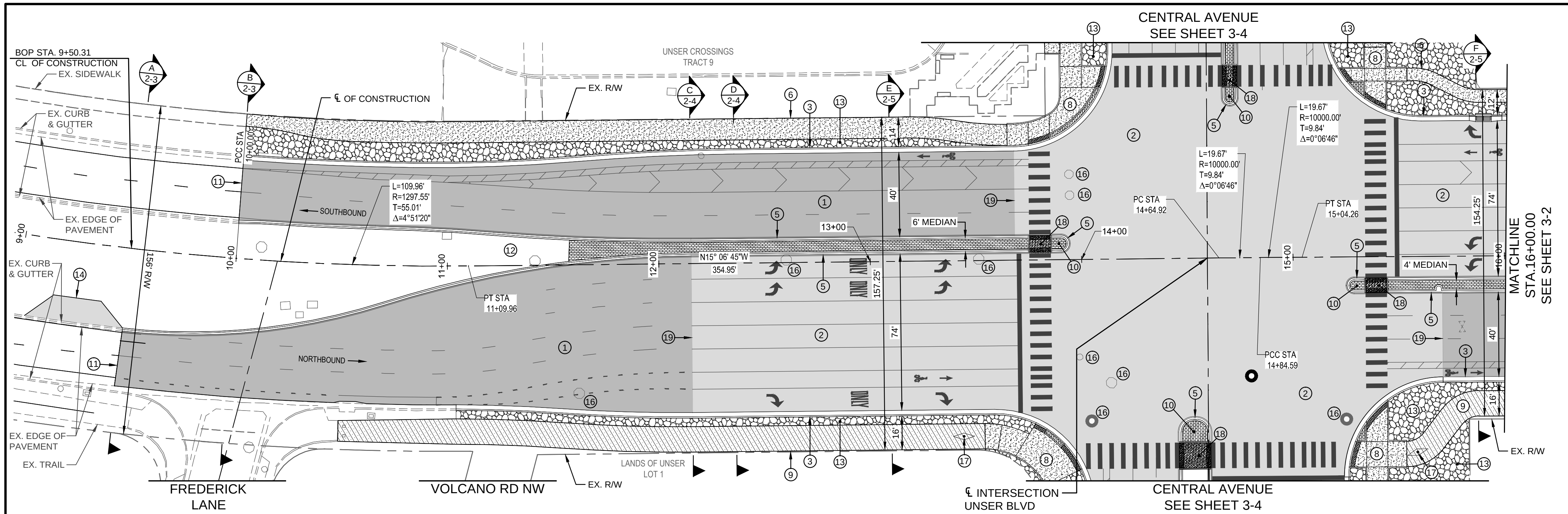
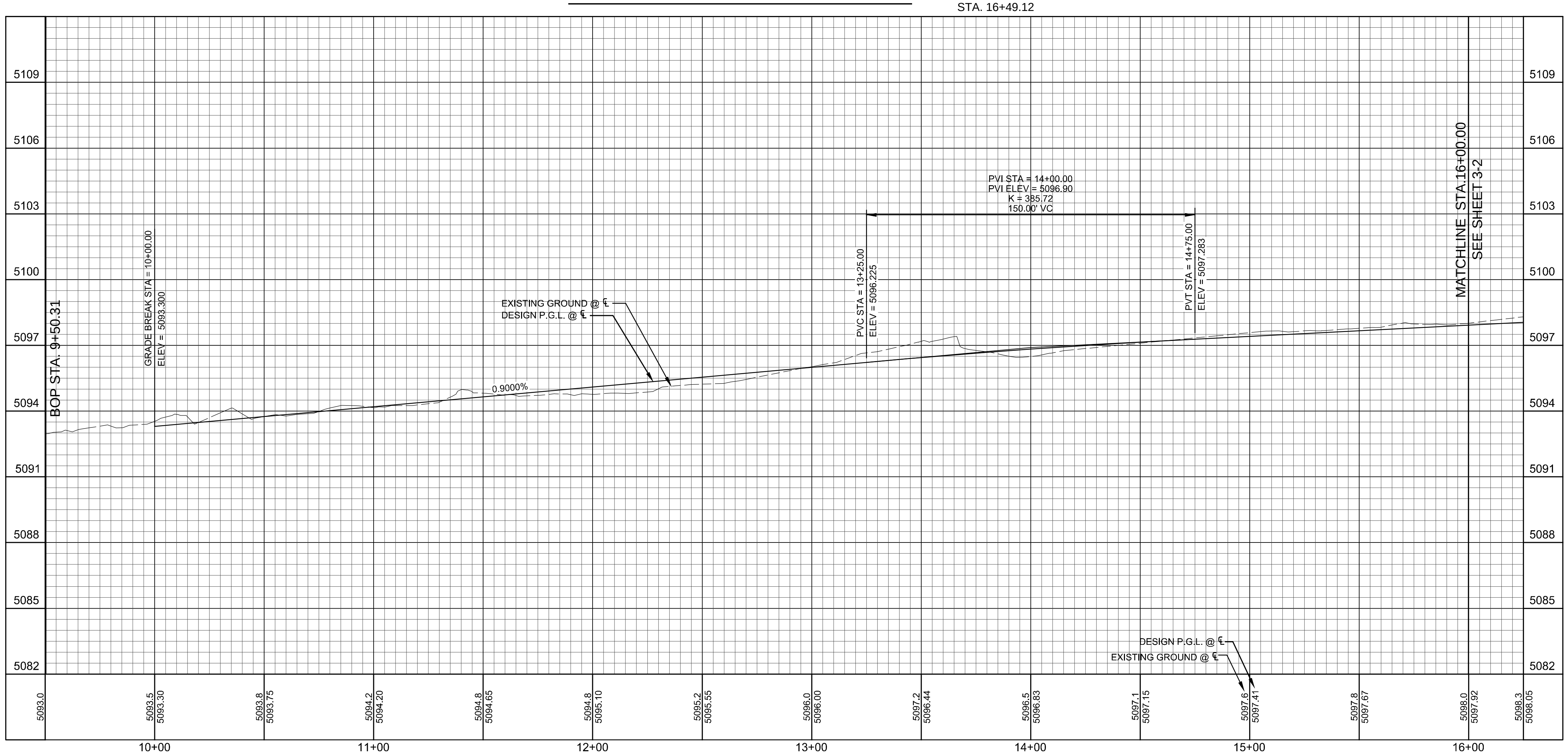


UNSER BOULEVARD N.W.



CONSTRUCTION NOTES

1. CONSTRUCT 7" PAVEMENT SECTION PER COA STD. DWG. 2408 AND SEE SHEET 2-9
2. CONSTRUCT 8" PCC PAVEMENT SECTION PER COA STD. DWG. 2408 AND SEE SHEET 2-9
3. CONSTRUCT STANDARD CURB & GUTTER PER COA STD. DWGS. 2415A
4. CONSTRUCT DEPRESSED CURB & GUTTER PER COA STD. DWGS. 2415A
5. CONSTRUCT MEDIAN CURB & GUTTER PER COA STD. DWGS. 2415B
6. CONSTRUCT 4" GREY PCC SIDEWALK PER COA STD. DWG. 2430
7. CONSTRUCT VALLEY GUTTER PER COA STD. DWG. 2420
8. CONSTRUCT CURB RAMPS PER COA STD. DWG. 2441 & DETAILS ON SHEET 2-22
9. CONSTRUCT ASPHALT TRAIL PAVEMENT SECTION PER DETAIL A ON SHEET 2-9
10. COLORED PATTERNED PORTLAND CEMENT CONC. PER COA STD. DWGS 2408 & 2502 (COLOR: MESA BUFF, PATTERN ASHLAR).
11. CONSTRUCT EX/NEW ASPHALT PAVEMENT JOINT PER DETAIL B ON SHEET 2-19
12. LANDSCAPE (BY OTHERS)
13. INSTALL 1" LANDSCAPE ROCK WITH WEED BARRIER
14. INSTALL DRIVEPAD PER COA STD. DWG. 2425
15. CONSTRUCT TEMPORARY ASPHALT CURB PER COA STD. DWG. 2415B
16. ADJUST MANHOLE RIM/VALVE BOX TO GRADE, INSTALL CONCRETE COLLAR PER COA STD. DWG. 2461
17. INSTALL RETRACTABLE BOLLARD PER DETAIL D ON SHEET 2-19
18. CONSTRUCT 4" PCC CONCRETE
19. CONSTRUCT ASPHALT/CONCRETE PAVEMENT JOINT PER DETAIL A ON SHEET 2-19
20. CONSTRUCT 3" PAVEMENT SECTION PER COA STD. DWG. 2405A AND SEE SHEET 2-9

LEGEND

- ASPHALT PAVED ROADWAY
- CONCRETE PAVED ROADWAY
- ASPHALT TRAIL
- SIDEWALK
- GRAVEL LANDSCAPE

GENERAL NOTES

1. INTERSECTION GRADING. SEE SHEETS 2-20 & 2-21
2. CURB RAMP DETAILS. SEE SHEETS 2-22 & 2-24
3. CURB LINE DIAGRAMS. SEE SHEETS 3-7 - 3-10
4. SIGNING AND STRIPING. SEE SHEETS 7-1 - 7-4

SCALE: 1" = 30'
SCALE: 1" = 3'

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MICRO-FILM INFORMATION — RECORDED BY / NO. / DATE

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MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION — FIELD NOTES — NO. / BY / DATE

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SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC. Consulting Engineers

REVISIONS — NO. / DATE / REMARKS / BY
DESIGN — DATE: DEC. 16, 2016 / DATE: DEC. 16, 2016 / PROJ #: R304101.01 / DATE: DEC. 16, 2016
DESIGNED BY: GM
DRAWN BY: LRT
DWG NAME: 3-1_ROAD P&P-50.dwg
CHECKED BY: SAE

Designed By:
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Huitt-Zollars, Inc. Albuquerque
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Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

60% SUBMITTAL

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

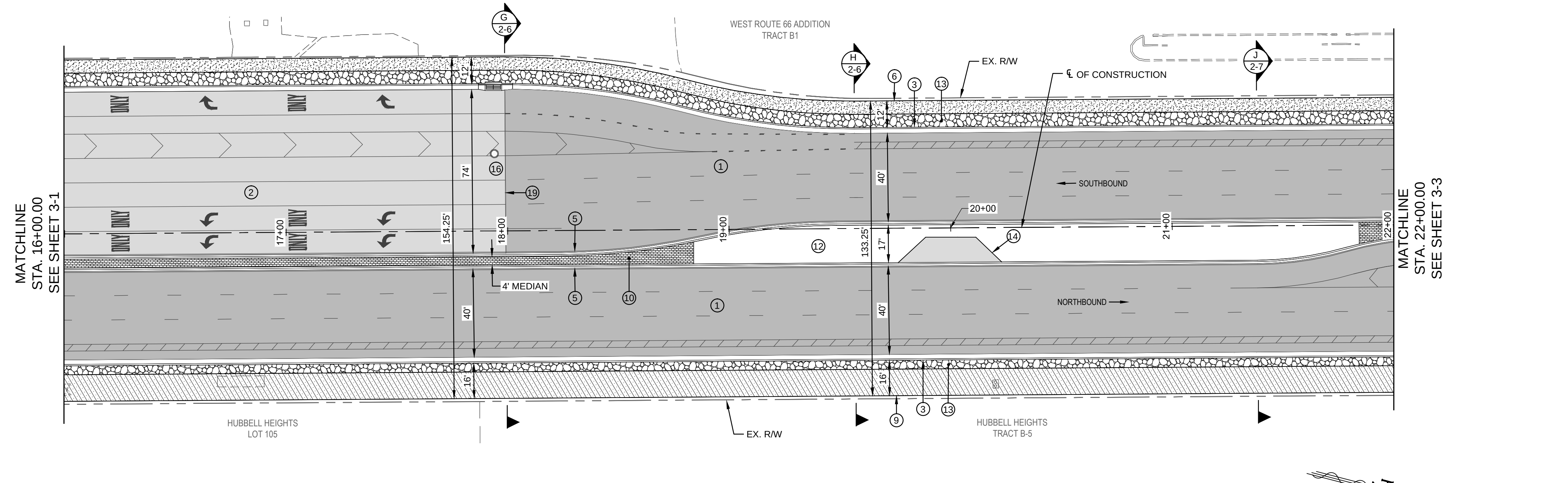
TITLE: UNSER BOULEVARD RECONSTRUCTION
ROADWAY PLAN & PROFILE
STA. 9+50.31 TO STA.16+00.00

Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.

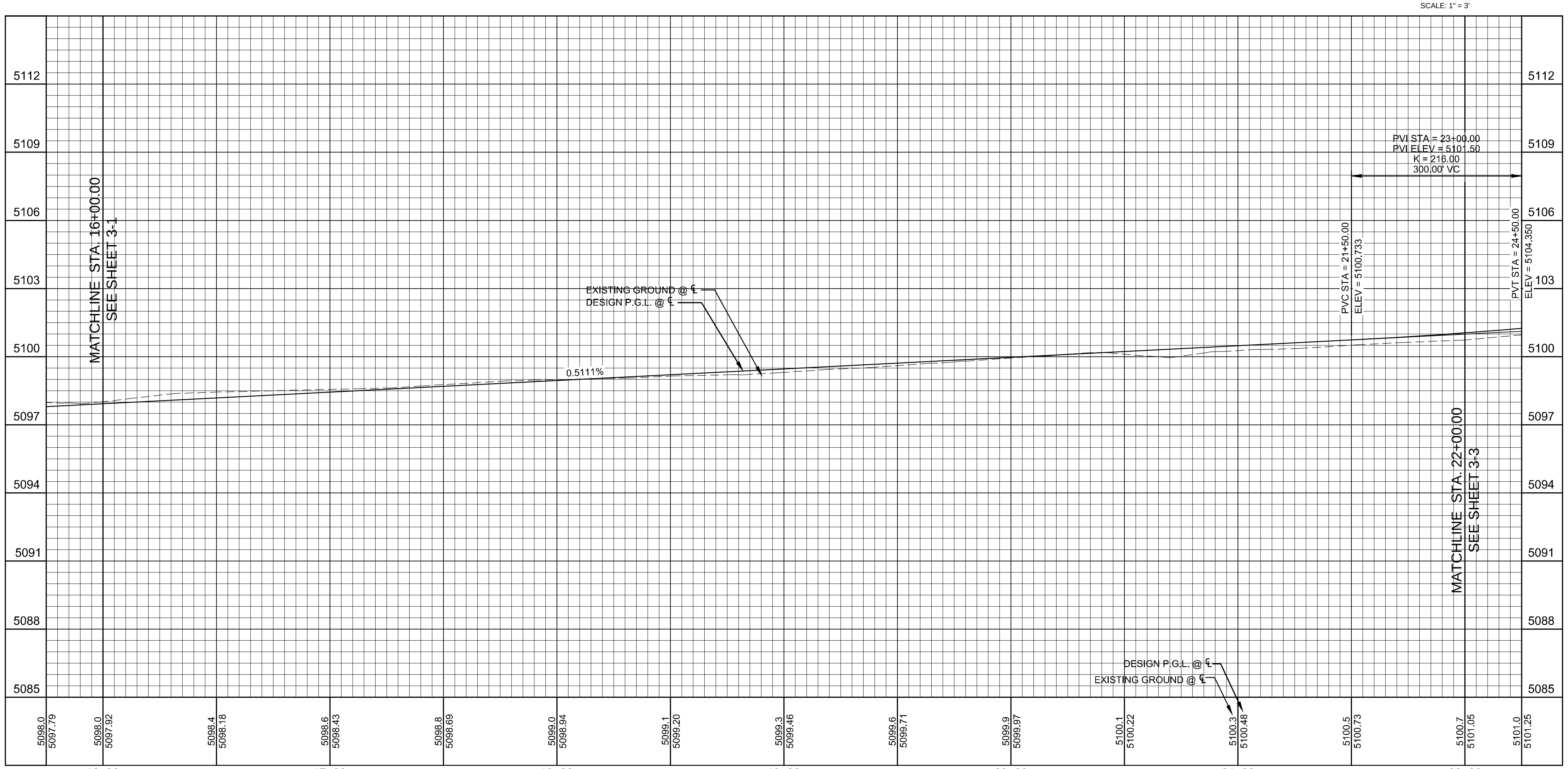
Last Update

City Project No.	Zone Map No.	Sheet	Of
4383.91	J-09-Z, J-10-Z, K-09-Z, K-10-Z	40	77

CONTROL NO. A302050 SHEET 3–1



UNSER BOULEVARD N.W.



CONSTRUCTION NOTES

1. CONSTRUCT 7" PAVEMENT SECTION PER COA STD. DWG. 2408 AND SEE SHEET 2-9
2. CONSTRUCT 8" PCC PAVEMENT SECTION PER COA STD. DWG. 2408 AND SEE SHEET 2-9
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8. CONSTRUCT CURB RAMPS PER COA STD. DWG. 2441 & DETAILS ON SHEET 2-22
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11. CONSTRUCT EX/NEW ASPHALT PAVEMENT JOINT PER DETAIL B ON SHEET 2-19
12. LANDSCAPE (BY OTHERS)
13. INSTALL 1" LANDSCAPE ROCK WITH WEED BARRIER
14. INSTALL DRIVEPAD PER COA STD. DWG. 2425
15. CONSTRUCT TEMPORARY ASPHALT CURB PER COA STD. DWG. 2415B
16. ADJUST MANHOLE RIM/VALVE BOX TO GRADE, INSTALL CONCRETE COLLAR PER COA STD. DWG. 2461
17. INSTALL RETRACTABLE BOLLARD PER DETAIL D ON SHEET 2-19
18. CONSTRUCT 4" PCC CONCRETE
19. CONSTRUCT ASPHALT/CONCRETE PAVEMENT JOINT PER DETAIL A ON SHEET 2-19
20. CONSTRUCT 3" PAVEMENT SECTION PER COA STD. DWG. 2405A AND SEE SHEET 2-9

LEGEND

- ASPHALT PAVED ROADWAY
- CONCRETE PAVED ROADWAY
- ASPHALT TRAIL
- SIDEWALK
- GRAVEL LANDSCAPE

GENERAL NOTES

1. INTERSECTION GRADING. SEE SHEETS 2-20 & 2-21
2. CURB RAMP DETAILS. SEE SHEETS 2-22 & 2-24
3. CURB LINE DIAGRAMS. SEE SHEETS 3-7 - 3-10
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AS BUILT INFORMATION
CONTRACTOR | DATE
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SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

NO. | DATE | BY | REVISIONS REMARKS

DESIGN
DESIGNED BY: GM | DATE: DEC. 16, 2016
DRAWN BY: LRT | DATE: DEC. 16, 2016
DWG NAME: 3-1_ROAD P&P-50.dwg | PROJ #: R304101.01
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Designed By:
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Phone (505) 883-8114 Fax (505) 883-5022

60% SUBMITTAL

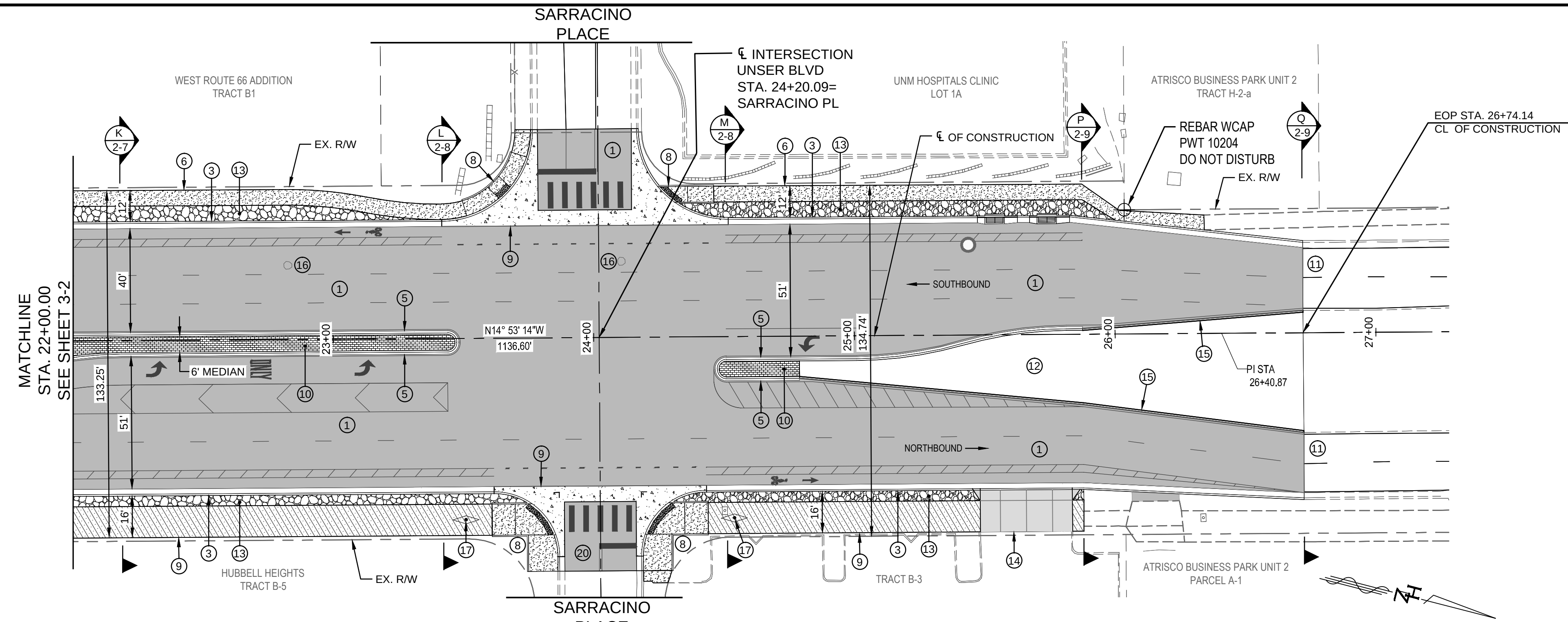
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: UNSER BOULEVARD RECONSTRUCTION
ROADWAY PLAN & PROFILE
STA. 16+00.00 TO STA. 22+00.00

Design Review Committee	City Engineer	Last Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4383.91 | Zone Map No. J-09-Z, J-10-Z, K-09-Z, K-10-Z | Sheet 41 Of 77

CONTROL NO. A302050 | SHEET 3–2



UNSER BOULEVARD N.W.

SCALE: 1" = 30'
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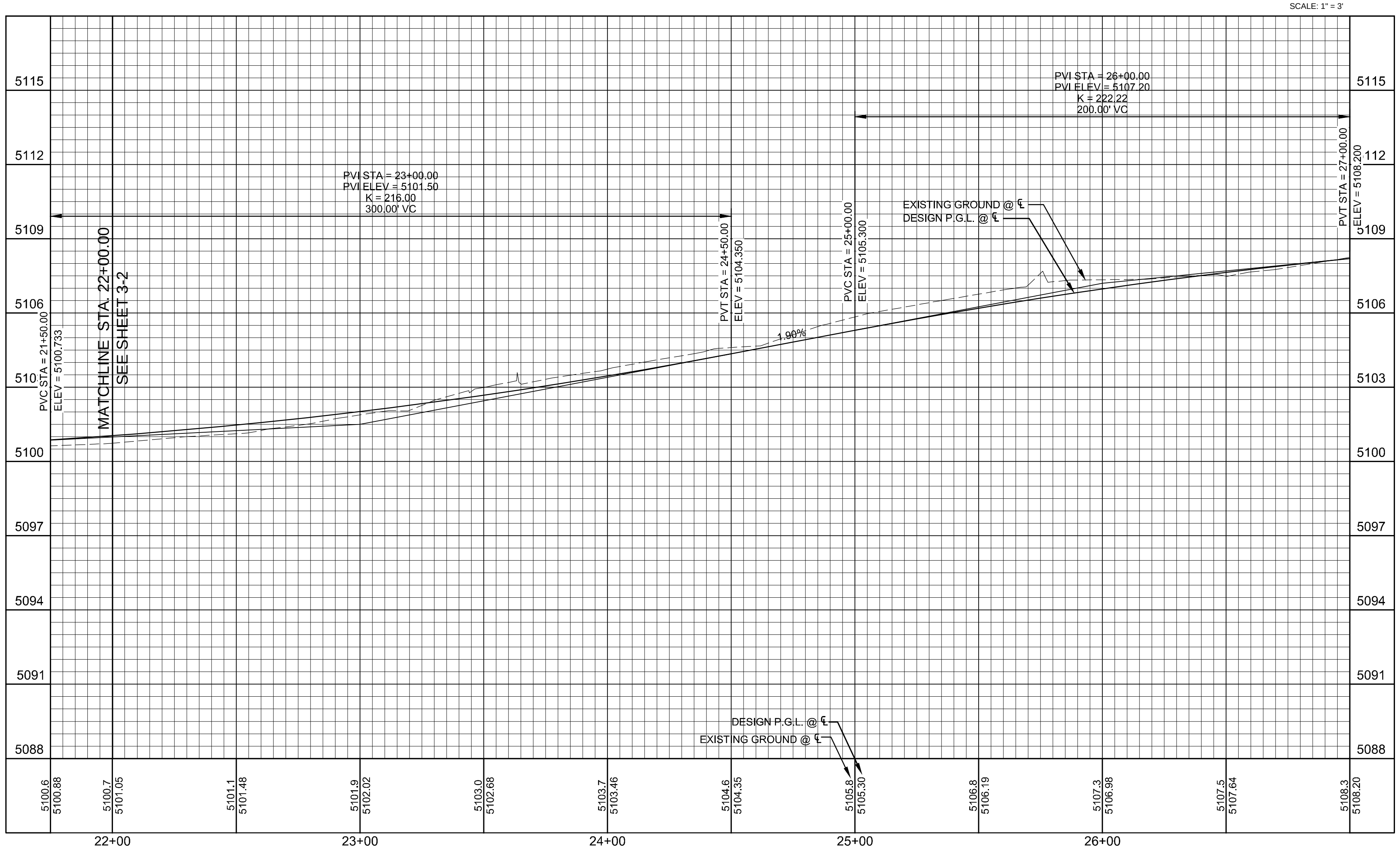

CONSTRUCTION NOTES

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16. ADJUST MANHOLE RIM/VALVE BOX TO GRADE, INSTALL CONCRETE COLLAR PER COA STD. DWG. 2461
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- ASPHALT PAVED ROADWAY
- CONCRETE PAVED ROADWAY
- ASPHALT TRAIL
- SIDEWALK
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GENERAL NOTES

1. INTERSECTION GRADING. SEE SHEETS 2-20 & 2-21
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DESIGN
DESIGNED BY: GM DATE: DEC. 16, 2016
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DWG NAME: 3-1_ROAD P&P-50.dwg PROJ #: R304101.01
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TITLE: UNSER BOULEVARD RECONSTRUCTION
ROADWAY PLAN & PROFILE
STA. 22+00.00 TO STA. 26+74.14

Design Review Committee	City Engineer	Last Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4383.91	J-09-Z, J-10-Z K-09-Z, K-10-Z	42	77

CONTROL NO. A302050 SHEET 3–3

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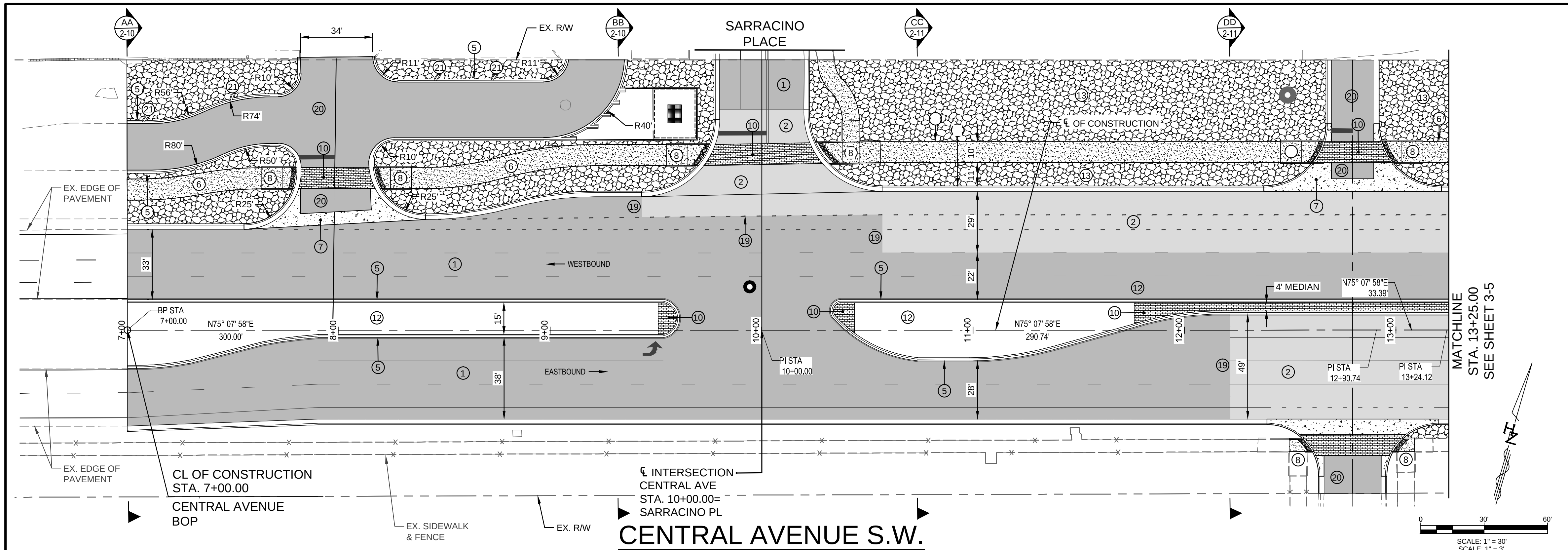

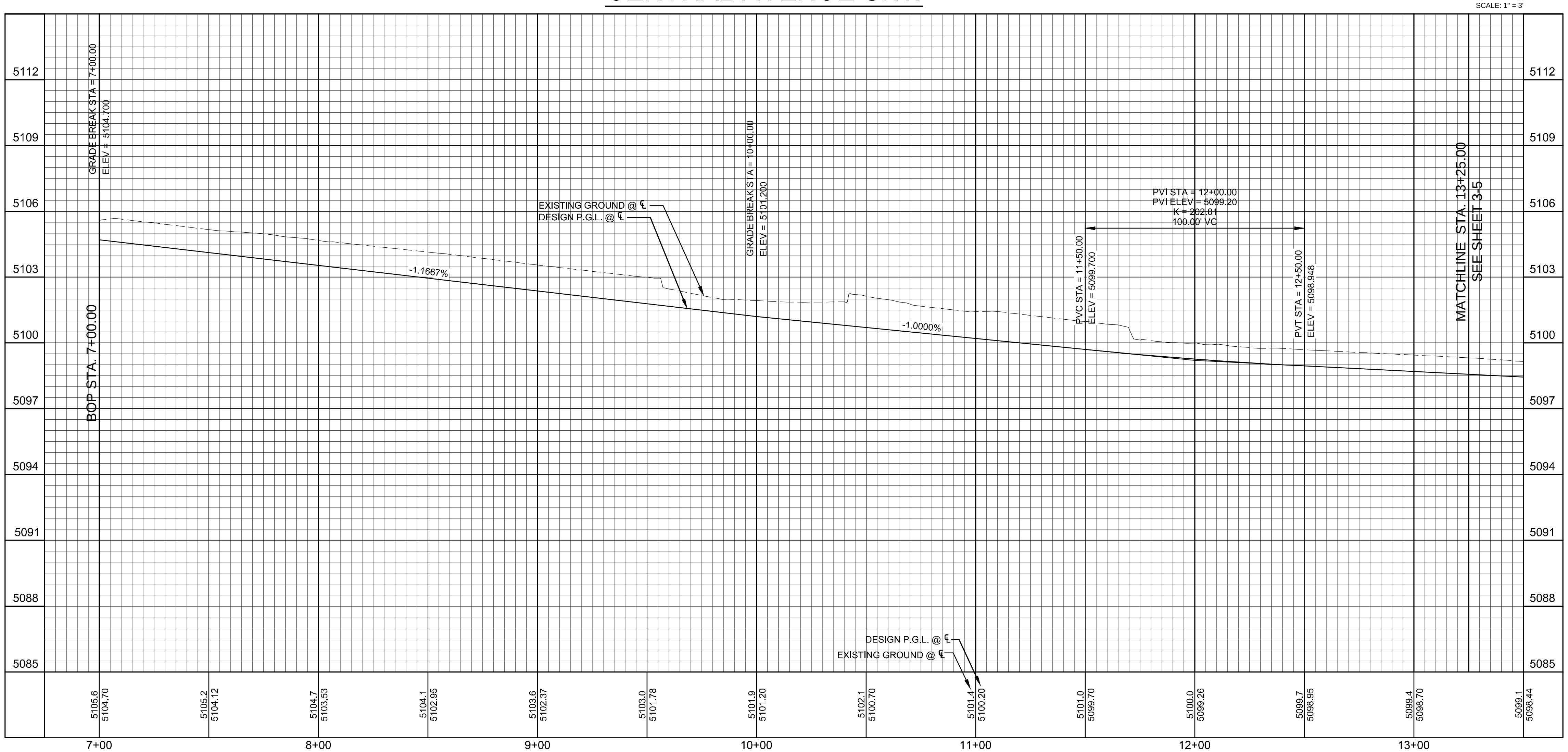

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16. ADJUST MANHOLE RIM/VALVE BOX TO GRADE, INSTALL CONCRETE COLLAR PER COA STD. DWG. 2461
17. INSTALL RETRACTABLE BOLLARD PER DETAIL D ON SHEET 2-19
18. CONSTRUCT 4" PCC CONCRETE
19. CONSTRUCT ASPHALT/CONCRETE PAVEMENT JOINT PER DETAIL A ON SHEET 2-19
20. CONSTRUCT 3" PAVEMENT SECTION PER COA STD. DWG. 2405A AND SEE SHEET 2-9
21. CONSTRUCT CURB OPENINGS PER DETAIL E, F & G ON SHEET 2-19

LEGEND

- ASPHALT PAVED ROADWAY
- CONCRETE PAVED ROADWAY
- ASPHALT TRAIL
- SIDEWALK
- GRAVEL LANDSCAPE

GENERAL NOTES

1. INTERSECTION GRADING. SEE SHEETS 2-20 & 2-21
2. CURB RAMP DETAILS. SEE SHEETS 2-22 & 2-24
3. CURB LINE DIAGRAMS. SEE SHEETS 3-7 - 3-10
4. SIGNING AND STRIPING. SEE SHEETS 7-1 - 7-4

AS BUILT INFORMATION
CONTRACTOR | DATE
WORK STARTED BY | DATE
INSPECTOR'S ACCEPTANCE BY | DATE
FIELD VERIFICATION BY | DATE
DRAWINGS CORRECTED BY | DATE
MICRO-FILM INFORMATION
RECORDED BY | DATE
NO.

BENCH MARKS
FOUND MONUMENT "7_K10"
STANDARD 3 1/4" ALUMINUM DISC
NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1983)
N=1,483,739.165
E=1,498,962.651
PUBLISHED EL=5097.654 (NAVD 1988)
GROUND TO GRID FACTOR=0.999683006
MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
PRELIMINARY
NOT FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES. FOR REVIEW ONLY.
SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC. Consulting Engineers

REVISIONS
NO. | DATE | REMARKS | BY
DESIGN

DESIGNED BY: GM | DATE: DEC. 16, 2016
DRAWN BY: LRT | DATE: DEC. 16, 2016
DWG NAME: 3-1_ROAD P&P-50.dwg | PROJ #: R304101.01
CHECKED BY: SAE | DATE: DEC. 16, 2016

nm811 Know what's below. Call before you dig.
TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

Designed By:
HUITT-ZOLLARS
Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

60% SUBMITTAL

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: UNSER BOULEVARD RECONSTRUCTION
ROADWAY PLAN & PROFILE
STA. 7+00.00 TO STA. 13+25.00

Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.
	Last Update		

City Project No. 4383.91 | Zone Map No. J-09-Z, J-10-Z, K-09-Z, K-10-Z | Sheet 43 Of 77

CONTROL NO. A302050 | SHEET 3-4

Plotted: 1/12/2017 2:07:45 PM, By:Eddings, Scott
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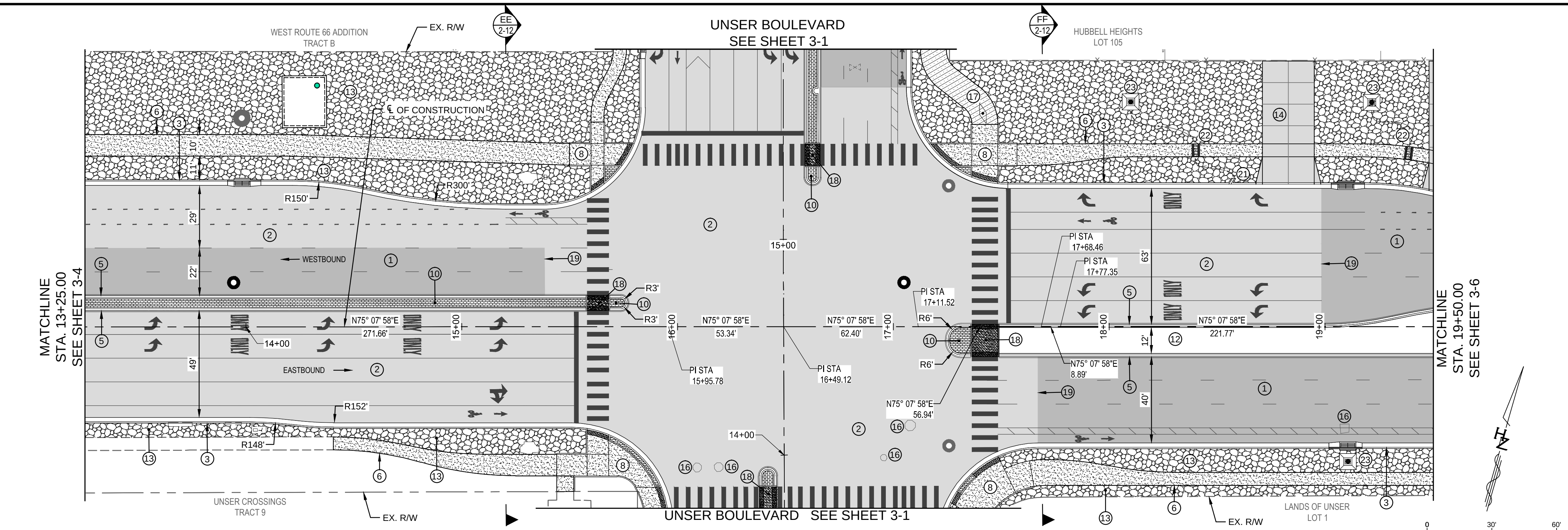
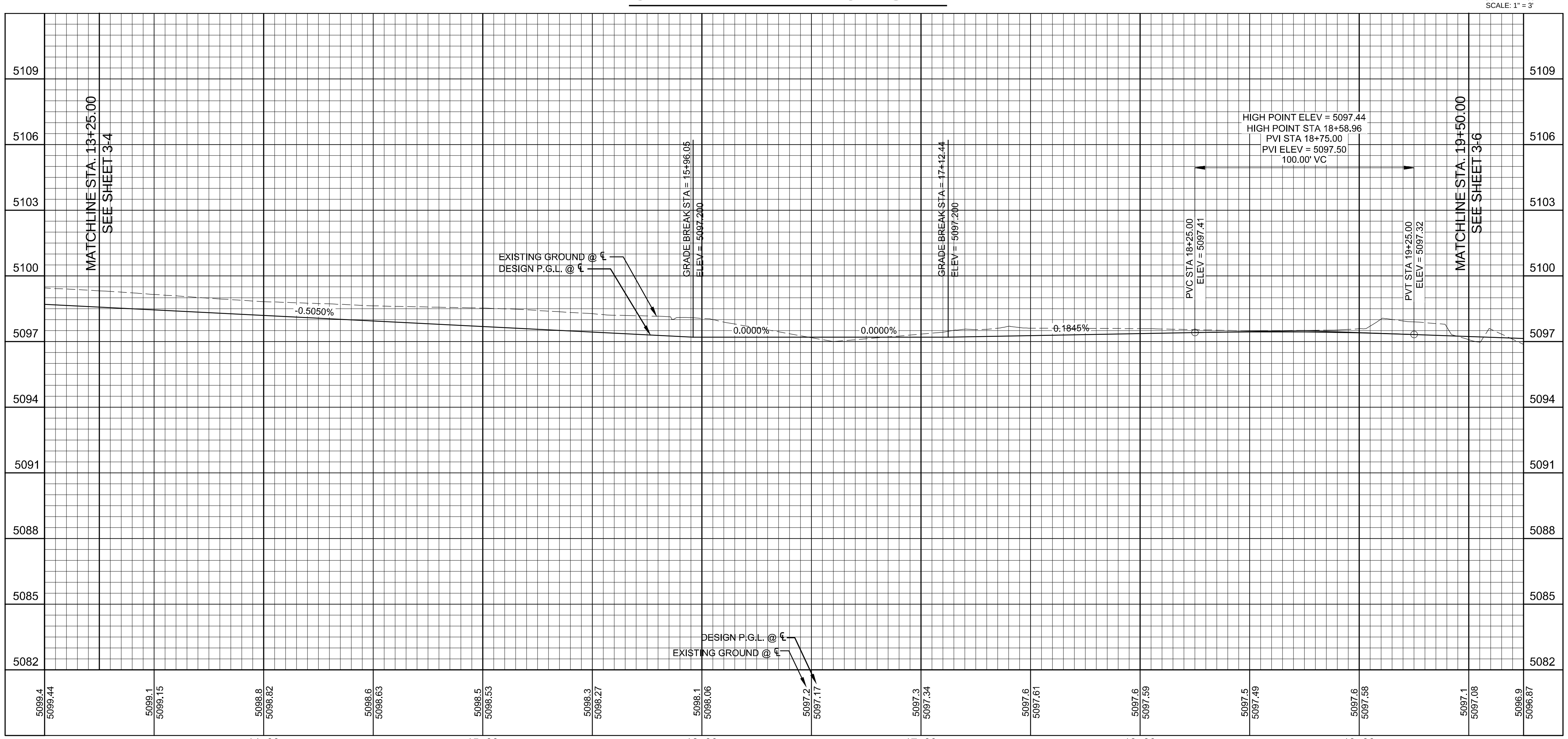
Last Saved:1/12/2017 2:09:54 PM, kbliya



CENTRAL AVENUE S.W.



CONSTRUCTION NOTES

1. CONSTRUCT 7" PAVEMENT SECTION PER COA STD. DWG. 2408 AND SEE SHEET 2-9
2. CONSTRUCT 8" PCC PAVEMENT SECTION PER COA STD. DWG. 2408 AND SEE SHEET 2-9
3. CONSTRUCT STANDARD CURB & GUTTER PER COA STD. DWGS. 2415A
4. CONSTRUCT DEPRESSED CURB & GUTTER PER COA STD. DWGS. 2415A
5. CONSTRUCT MEDIAN CURB & GUTTER PER COA STD. DWGS. 2415B
6. CONSTRUCT 4" GREY PCC SIDEWALK PER COA STD. DWG. 2430
7. CONSTRUCT VALLEY GUTTER PER COA STD. DWG. 2420
8. CONSTRUCT CURB RAMPS PER COA STD. DWG. 2441 & DETAILS ON SHEET 2-22
9. CONSTRUCT ASPHALT TRAIL PAVEMENT SECTION PER DETAIL A ON SHEET 2-9
10. COLORED PATTERNED PORTLAND CEMENT CONC. PER COA STD. DWGS 2408 & 2502 (COLOR: MESA BUFF, PATTERN ASHLAR).
11. CONSTRUCT EX/NEW ASPHALT PAVEMENT JOINT PER DETAIL B ON SHEET 2-19
12. LANDSCAPE (BY OTHERS)
13. INSTALL 1" LANDSCAPE ROCK WITH WEED BARRIER
14. INSTALL DRIVEPAD PER COA STD. DWG. 2425
15. CONSTRUCT TEMPORARY ASPHALT CURB PER COA STD. DWG. 2415B
16. ADJUST MANHOLE RIM/VALVE BOX TO GRADE, INSTALL CONCRETE COLLAR PER COA STD. DWG. 2461
17. INSTALL RETRACTABLE BOLLARD PER DETAIL D ON SHEET 2-19
18. CONSTRUCT 4" PCC CONCRETE
19. CONSTRUCT ASPHALT/CONCRETE PAVEMENT JOINT PER DETAIL A ON SHEET 2-19
20. CONSTRUCT 3" PAVEMENT SECTION PER COA STD. DWG. 2405A AND SEE SHEET 2-9
21. CONSTRUCT CURB OPENINGS PER DETAIL E, F & G ON SHEET 2-19
22. CONSTRUCT SIDEWALK CULVERT PER COA STD. DWG 2236
23. INSTALL L.I.D. WATER QUALITY INLET. SEE DETAIL B ON SHEET 10-9

LEGEND

- ASPHALT PAVED ROADWAY
- CONCRETE PAVED ROADWAY
- ASPHALT TRAIL
- SIDEWALK
- GRAVEL LANDSCAPE

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AS BUILT INFORMATION: CONTRACTOR; WORK STAKED BY; INSPECTOR'S ACCEPTANCE BY; FIELD VERIFICATION BY; DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION: RECORDED BY; NO. — DATE

BENCH MARKS: FOUND MONUMENT "7_K10"; STANDARD 3 1/4" ALUMINUM DISC; NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1983); N=1,483,739.165; E=1,498,962.651; PUBLISHED EL=5097.654 (NAVD 1988); GROUND TO GRID FACTOR=0.999683006; MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION: FIELD NOTES — NO. BY DATE

ENGINEER'S SEAL: PRELIMINARY — NOT FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES. FOR REVIEW ONLY. SCOTT A. EDDINGS 12856 Date: 12/16/16 HUITT-ZOLLARS, INC. Consulting Engineers

NO.	DATE	REVISIONS REMARKS	BY

DESIGN: DESIGNED BY: GM DATE: DEC. 16, 2016; DRAWN BY: LRT DATE: DEC. 16, 2016; DWG NAME: 3-1_ROAD P&P-50.dwg PROJ #: R304101.01; CHECKED BY: SAE DATE: DEC. 16, 2016

Designed By:
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Albuquerque, New Mexico 87110
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ENGINEERING DIVISION

TITLE: UNSER BOULEVARD RECONSTRUCTION
ROADWAY PLAN & PROFILE
STA. 13+25.00 TO STA. 19+50.00

Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.

Last Update

City Project No.	Zone Map No.	Sheet	Of
4383.91	J-09-Z, J-10-Z, K-09-Z, K-10-Z	44	77

CONTROL NO. A302050 SHEET 3–5

Plotted: 1/12/2017 2:08:08 PM, By:Eddings, Scott
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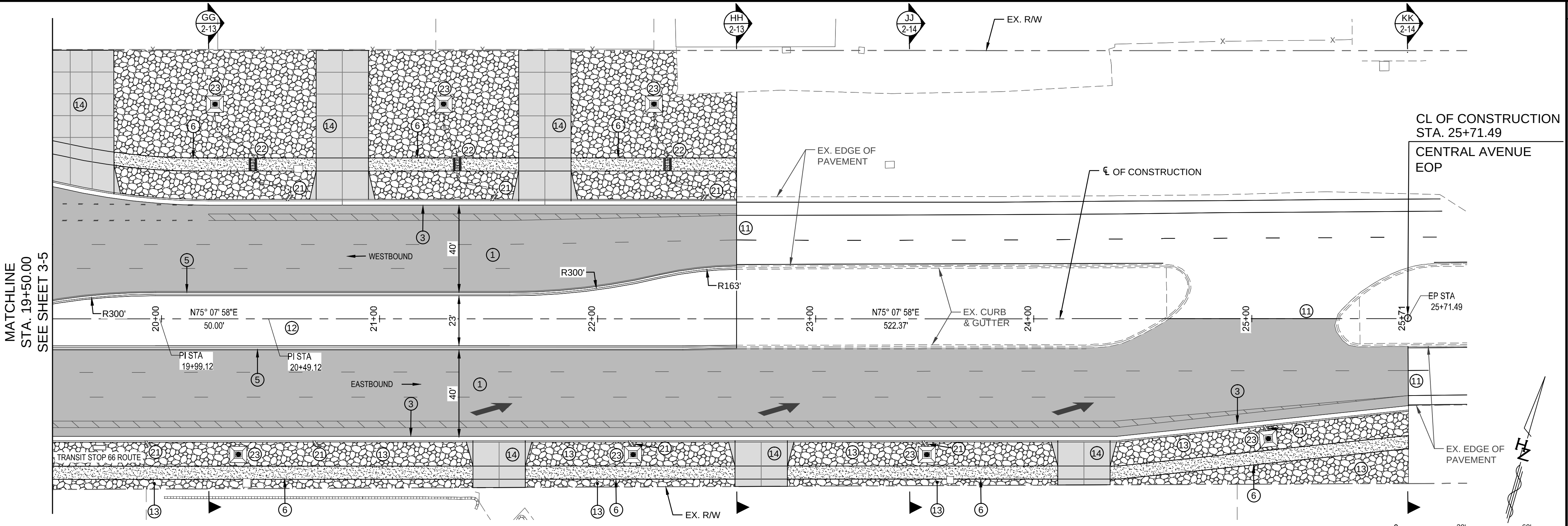
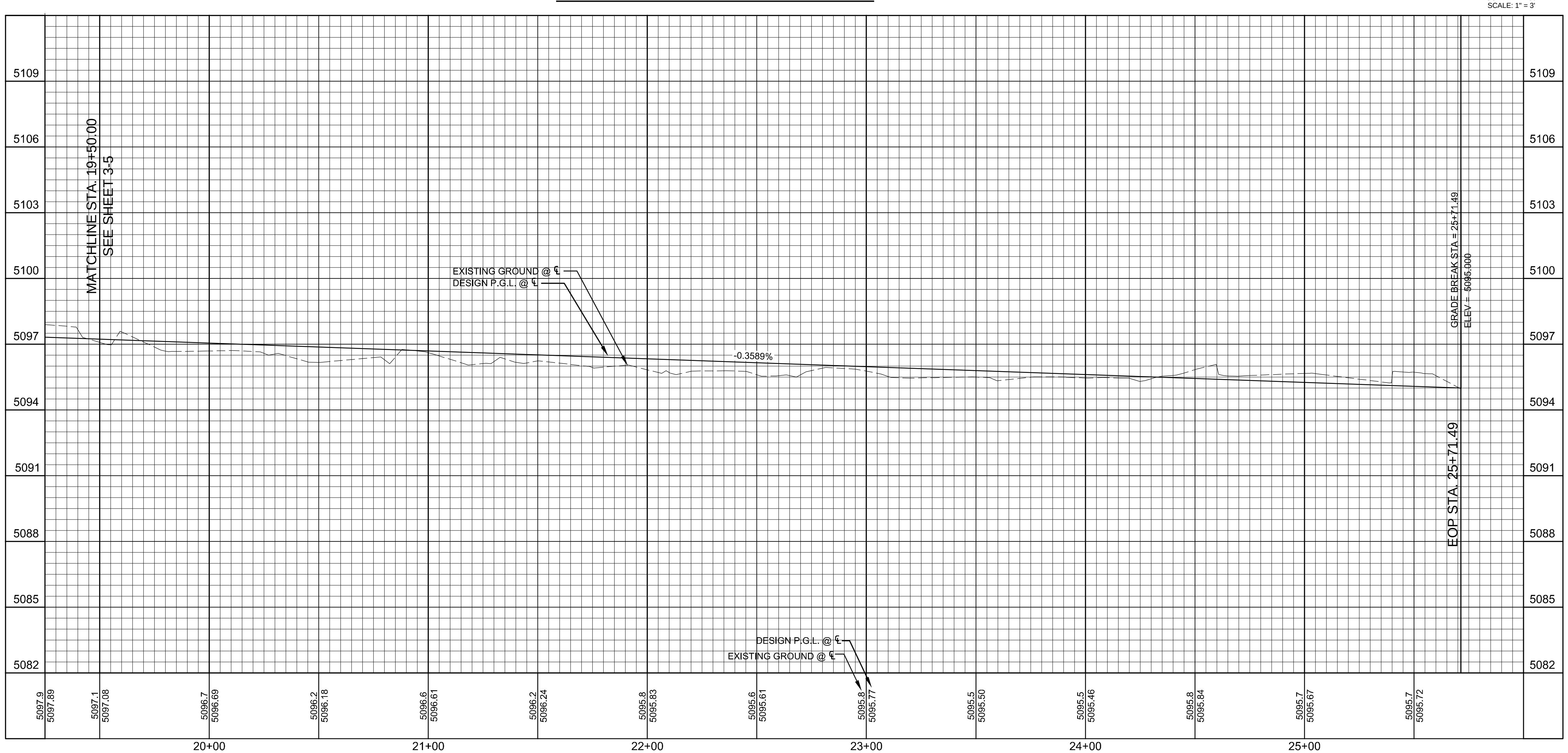
Last Saved:1/12/2017 1:09:54 PM, ltittiya



CENTRAL AVENUE S.W.



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CONTRACTOR | DATE
WORK STAKED BY | DATE
INSPECTOR'S ACCEPTANCE BY | DATE
FIELD VERIFICATION BY | DATE
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MICRO-FILM INFORMATION
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NO.

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SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC. Consulting Engineers

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY: GM | DATE: DEC. 16, 2016
DRAWN BY: LRT | DATE: DEC. 16, 2016
DWG NAME: 3-1_ROAD P&P-50.dwg | PROJ #: R304101.01
CHECKED BY: SAE | DATE: DEC. 16, 2016

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Albuquerque, New Mexico 87110
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CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: UNSER BOULEVARD RECONSTRUCTION
ROADWAY PLAN & PROFILE
STA. 19+50.00 TO STA. 25+71.49

Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.
	Last Update		

City Project No.	Zone Map No.	Sheet	Of
4383.91	J-09-Z, J-10-Z K-09-Z, K-10-Z	45	77

CONTROL NO. A302050 SHEET 3–6

Plotted: 1/12/2017 2:08:30 PM, By:Eddings, Scott
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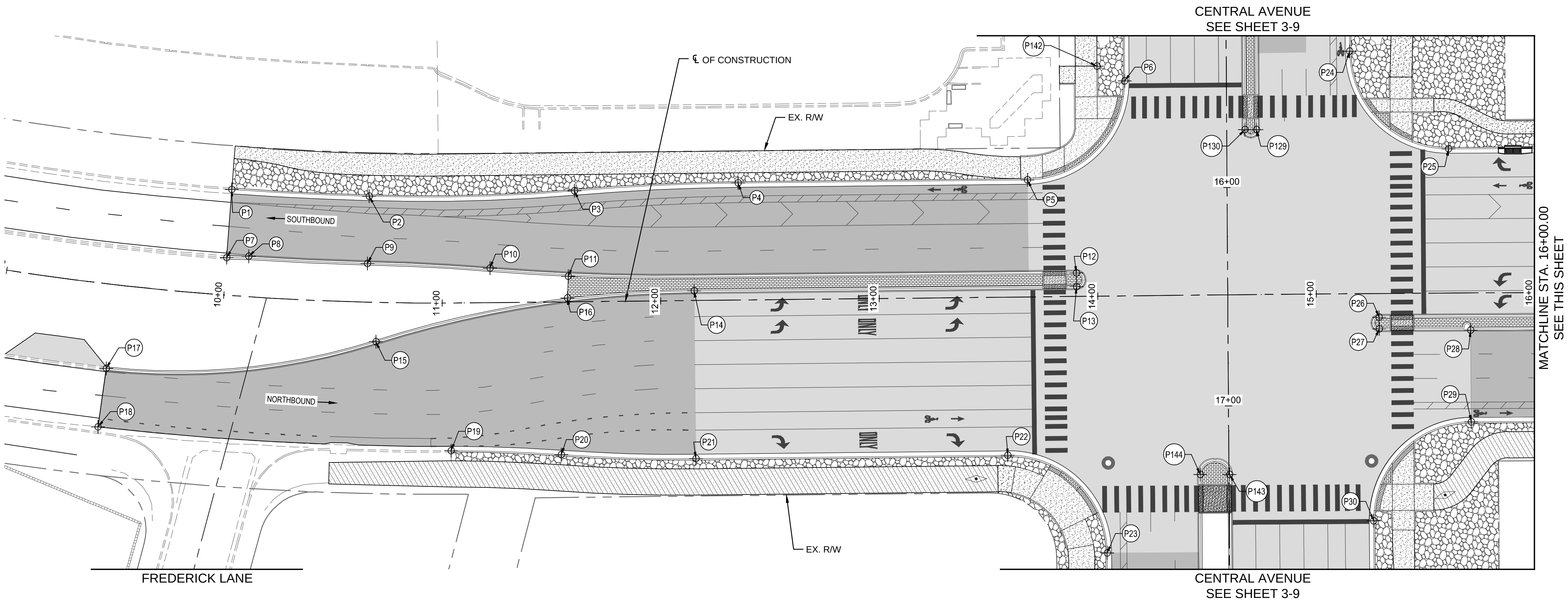
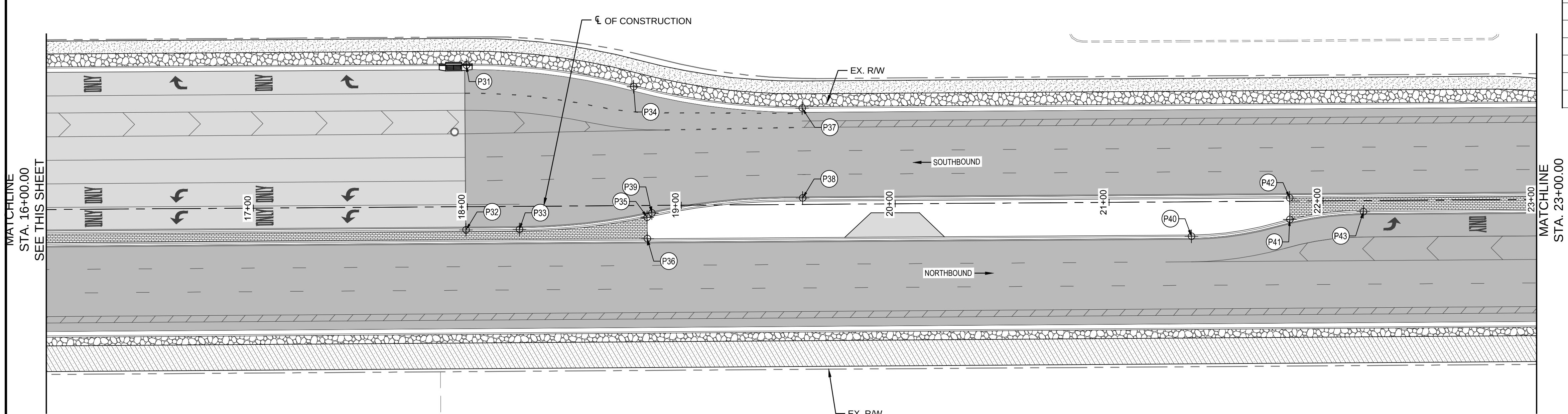
Last Saved:1/12/2017 1:09:54 PM, lfabya



UNSER BOULEVARD N.W.

SCALE: 1" = 30'



UNSER BOULEVARD N.W.

SCALE: 1" = 30'

POINT TABLE

POINT #	NORTHING	EASTING	ELEV.	DESC.
1	1483682.918	1499458.881	0.00	FL
2	1483744.541	1499446.075	5093.20	FL
3	1483834.820	1499420.174	5093.91	FL
4	1483906.462	1499397.935	5094.50	FL
5	1484034.295	1499363.413	5095.67	FL
6	1484066.056	1499308.423	5096.71	FL
7	1483688.445	1499489.648	5093.87	FL
8	1483698.036	1499486.482	5093.87	FL
9	1483751.532	1499476.105	5093.89	FL
10	1483806.287	1499464.083	5094.40	FL
11	1483841.945	1499458.748	5095.22	MED CONC
12	1484066.654	1499399.042	5096.76	FL
13	1484068.305	1499405.156	5096.75	FL
14	1483899.315	1499450.793	5095.31	FL
15	1483764.180	1499509.811	5094.27	FL
16	1483844.007	1499468.533	5095.22	MED CONC
17	1483647.767	1499552.517	5092.94	FL
18	1483650.845	1499579.338	5092.93	LIP
19	1483810.023	1499549.443	5093.06	FL
20	1483859.306	1499538.617	5093.26	FL
21	1483919.347	1499524.969	5093.70	FL
22	1484057.177	1499487.747	5095.08	FL
23	1484112.403	1499519.645	5096.46	FL
24	1484162.288	1499269.489	5096.58	FL
25	1484217.342	1499301.432	5096.33	FL
26	1484205.848	1499383.990	5097.76	FL
27	1484207.218	1499389.144	5097.58	FL
28	1484247.890	1499379.194	5097.78	FL
29	1484258.663	1499419.789	5096.85	FL
30	1484226.731	1499474.825	5096.09	FL
31	1484448.280	1499239.990	5098.00	FL
32	1484467.299	1499314.486	5099.14	FL
33	1484491.440	1499308.068	5099.27	FL
34	1484526.462	1499230.121	5098.21	FL
35	1484547.830	1499287.559	5099.98	MED CONC
36	1484550.399	1499297.223	5099.42	MED CONC
37	1484605.193	1499220.055	5098.83	FL
38	1484615.984	1499260.646	5099.74	FL
39	1484549.420	1499285.085	5099.49	FL
40	1484796.421	1499232.511	5100.69	FL
41	1484838.912	1499213.282	5101.46	MED CONC
42	1484836.343	1499203.617	5101.38	MED CONC

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTOR'S ACCEPTANCE BY
FIELD VERIFICATION BY
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BENCH MARKS
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STANDARD 3 1/4" ALUMINUM DISC
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SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

REVISIONS
DESIGN
NO. DATE REMARKS BY
DESIGNED BY: GM DATE: DEC. 16, 2016
DRAWN BY: LRT DATE: DEC. 16, 2016
DWG NAME: 3-7_CURB-LN-DIA.dwg PROJ #: R304101.01
CHECKED BY: SAE DATE: DEC. 16, 2016

nm811
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TITLE: UNSER BOULEVARD RECONSTRUCTION
CURB LINE DIAGRAMS
STA. 10+00.00 TO STA. 26+72.14

Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.

Last Update

City Project No.	Zone Map No.	Sheet	Of
4383.91	J-09-Z, J-10-Z, K-09-Z, K-10-Z	46	77

CONTROL NO. A302050
SHEET 3–7

Plotted: 1/12/2017 2:09:19 PM, By:Eddings, Scott
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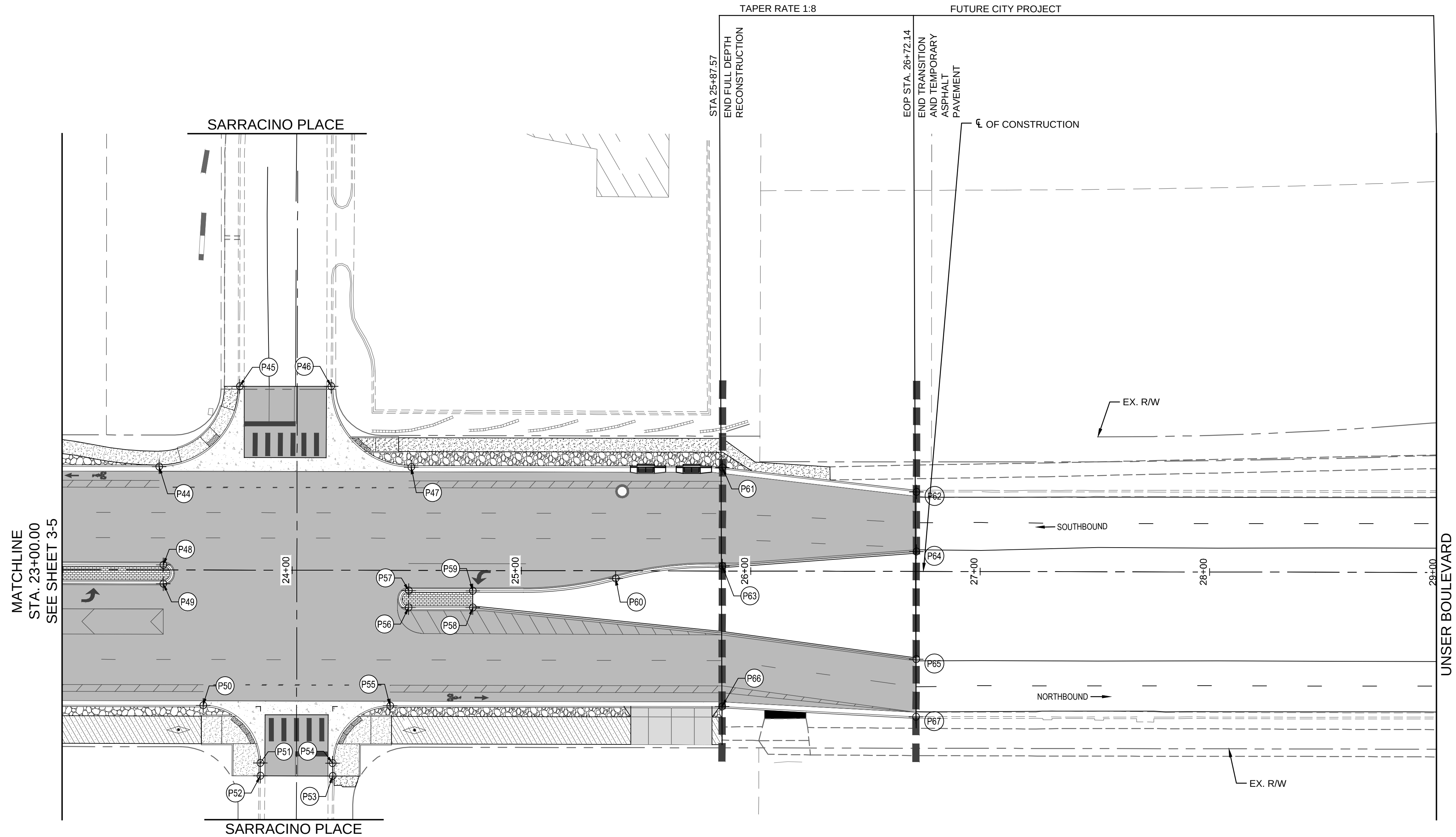
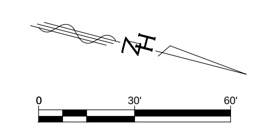
Last Saved:1/5/2017 11:43:51 AM, lsilva



UNSER BOULEVARD N.W.



POINT TABLE				
POINT #	NORTHING	EASTING	ELEV.	DESC.
44	1484977.453	1499121.094	5101.59	FL
45	1485002.293	1499078.303	5103.51	FL
46	1485040.849	1499067.962	5104.28	FL
47	1485083.682	1499092.854	5103.41	FL
48	1484990.305	1499161.998	5102.54	MED CONC
49	1484992.403	1499169.891	5102.53	MED CONC
50	1485022.908	1499216.622	5102.43	FL
51	1485053.492	1499234.360	5103.00	FL
52	1485054.937	1499239.796	5103.07	FL
53	1485085.380	1499231.704	5103.92	FL
54	1485083.935	1499226.267	5103.72	FL
55	1485101.673	1499195.684	5103.97	FL
56	1485098.387	1499152.236	5104.40	MED CONC
57	1485096.503	1499145.149	5104.52	MED CONC
58	1485125.440	1499145.044	5104.88	FL
59	1485123.556	1499137.957	5105.06	FL
60	1485182.307	1499116.648	5106.07	MED CONC
61	1485214.766	1499058.007	5105.87	FL
62	1485299.218	1499046.303	5107.49	FL
63	1485225.826	1499099.388	5106.83	FL
64	1485305.909	1499071.474	5107.85	FL
65	1485317.949	1499116.765	5107.96	FL
66	1485241.540	1499158.501	5106.77	FL
67	1485324.398	1499141.018	5107.51	FL

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY — DATE
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SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

REVISIONS
NO. | DATE | REMARKS | BY

DESIGN
DESIGNED BY: GM — DATE: DEC. 16, 2016
DRAWN BY: LRT — DATE: DEC. 16, 2016
DWG NAME: 3-7_CURB-LN-DIA.dwg — PROJ #: R304101.01
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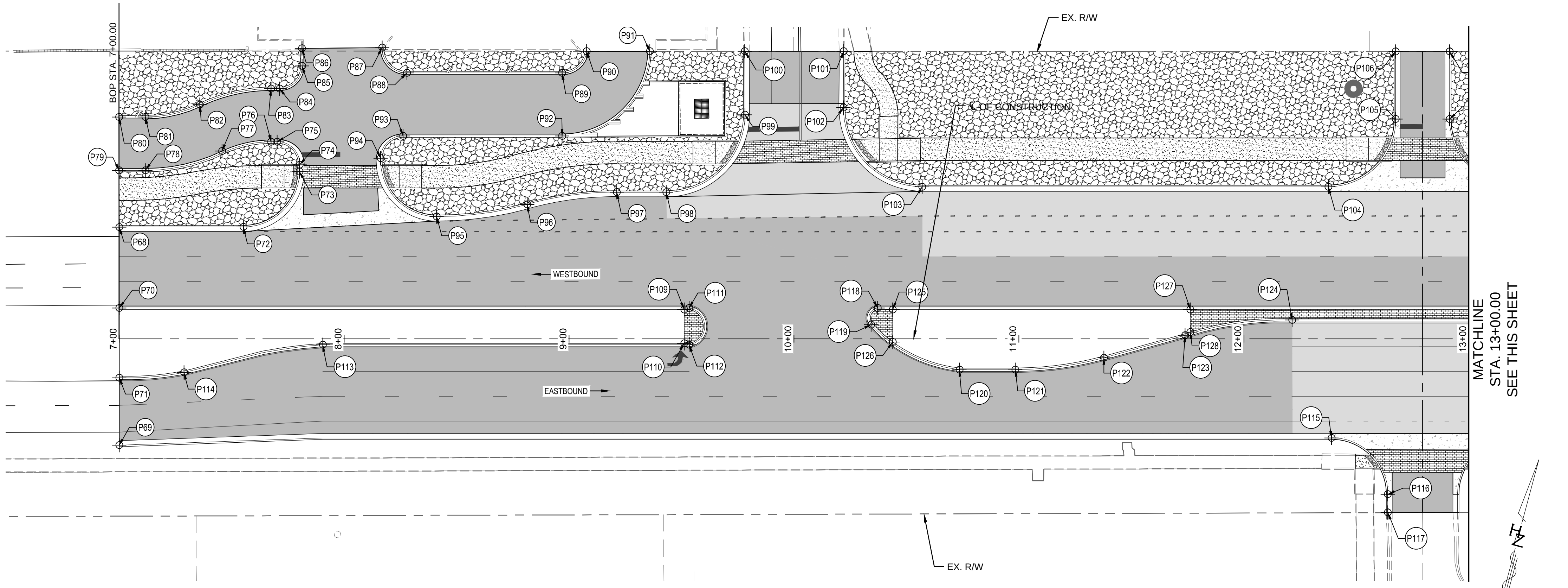
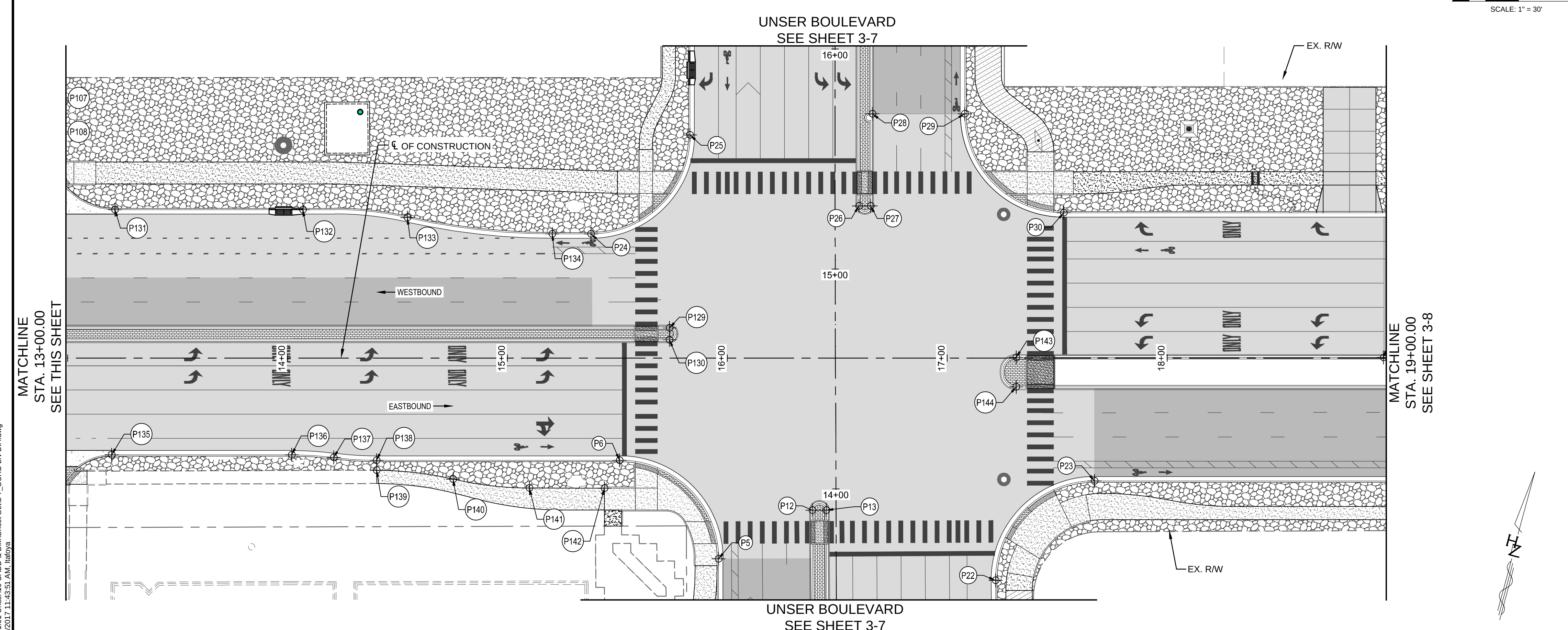
Last Update

City Project No.	Zone Map No.	Sheet	Of
4383.91	J-09-Z, J-10-Z K-09-Z, K-10-Z	47	77

CONTROL NO. A302050 SHEET 3-8



CENTRAL AVENUE NW



CENTRAL AVENUE NW

AS BUILT INFORMATION

CONTRACTOR | DATE
WORK STAKED BY | DATE
INSPECTOR'S ACCEPTANCE BY | DATE
FIELD VERIFICATION BY | DATE
DRAWINGS CORRECTED BY | DATE
MICRO-FILM INFORMATION
RECORDED BY | DATE
NO.

BENCH MARKS

FOUND MONUMENT "7_X10"
STANDARD 3 1/4" ALUMINUM DISC
NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1983)
N=1,483,739.165
E=1,498,962.651
PUBLISHED EL=5097.854 (NAVD 1988)
GROUND TO GRID FACTOR=0.999683006
MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL

PRELIMINARY
NOT FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES. FOR REVIEW ONLY.
SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC. Consulting Engineers

REVISIONS

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY: GM | DATE: DEC. 16, 2016
DRAWN BY: LRT | DATE: DEC. 16, 2016
DWG NAME: 3-7_CURB-LN-DIA.dwg | PROJ #: R304101.01
CHECKED BY: SAE | DATE: DEC. 16, 2016

nm811 Know what's below. Call before you dig.
TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

Designed By:
HUITT-ZOLLARS
Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: UNSER BOULEVARD RECONSTRUCTION
CURB LINE DIAGRAMS
STA. 10+00.00 TO STA. 26+72.14

Design Review Committee	City Engineer	Last Update	Mo./Day/Yr.	Mo./Day/Yr.

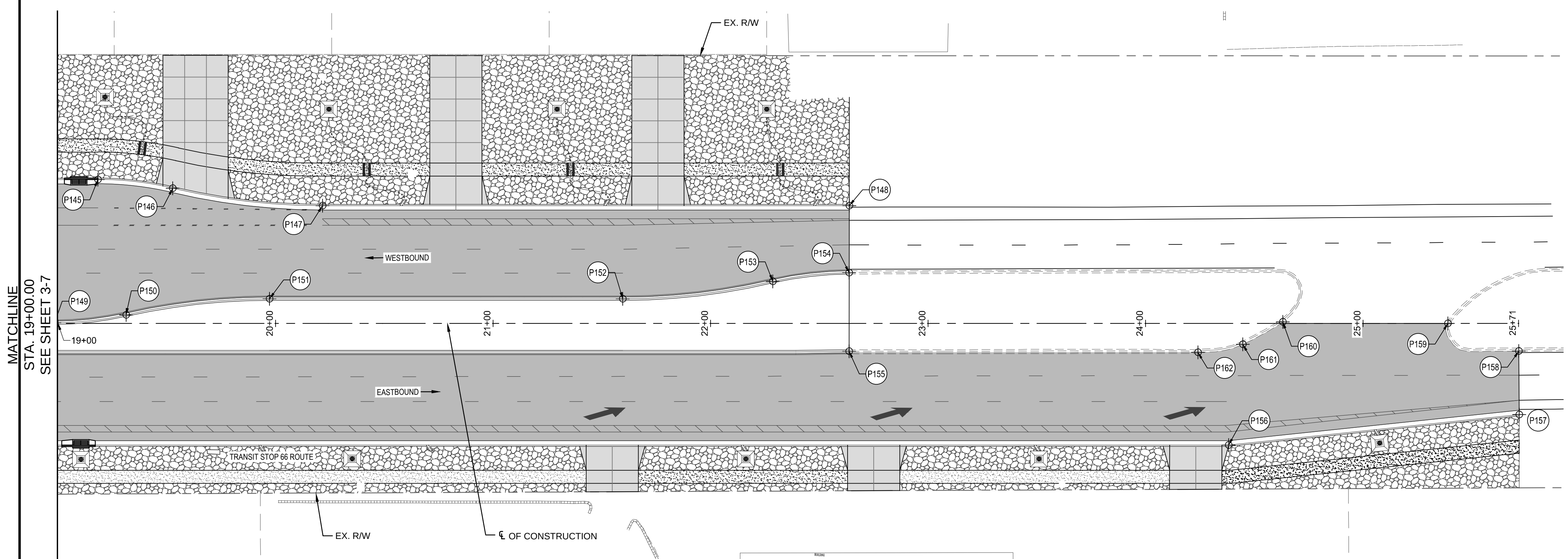
City Project No.	Zone Map No.	Sheet	Of
4383.91	J-09-Z, J-10-Z K-09-Z, K-10-Z	48	77

CONTROL NO. A302050

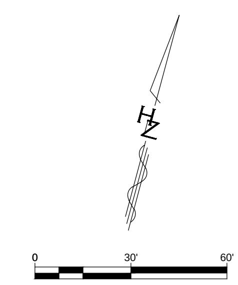
SHEET 3–9

60% SUBMITTAL

Plotted: 1/12/2017 2:09:52 PM, By:Eddings, Scott
H:\proj\R304101.01 Unser\10 CADD & BIM\Sheet Set\3-7_CURB-LN-DIA.dwg
Last Saved:1/5/2017 11:43:51 AM, ltallaya



CENTRAL AVENUE NW



POINT TABLE				
POINT #	NORTHING	EASTING	ELEV.	DESC.
145	1484269.153	1499634.625	0.00	FL
146	1484274.129	1499668.959	0.00	FL
147	1484284.054	1499737.526	0.00	FL
148	1484346.192	1499971.595	0.00	FL
149	1484200.405	1499632.224	0.00	FL
150	1484212.404	1499663.138	0.00	FL
151	1484236.403	1499724.967	0.00	FL
152	1484278.082	1499881.967	0.00	FL
153	1484303.551	1499946.577	0.00	FL
154	1484316.444	1499979.471	0.00	FL
155	1484281.540	1499988.706	0.00	FL
156	1484284.621	1500168.375	0.00	FL
157	1484332.479	1500293.929	0.00	FL
158	1484360.578	1500286.285	0.00	FL
159	1484364.512	1500251.452	0.00	TA
160	1484345.764	1500177.948	0.00	TA
161	1484331.043	1500162.851	0.00	TA
162	1484322.166	1500143.812	0.00	TA

SEE SHEET 3-9 FOR
POINT LOCATIONS

POINT TABLE				
POINT #	NORTHING	EASTING	ELEV.	DESC.
68	1483940.606	1498461.325	0.00	FL
69	1483847.002	1498486.175	0.00	FL
70	1483905.878	1498470.543	0.00	FL
71	1483875.944	1498478.520	0.00	FL
72	1483954.804	1498514.670	0.00	FL
73	1483985.037	1498532.415	0.00	FL
74	1483987.922	1498531.690	0.00	FL
75	1483995.150	1498519.425	0.00	FL
76	1483994.470	1498516.863	0.00	FL
77	1483984.894	1498496.792	0.00	FL
78	1483967.921	1498466.080	0.00	FL
79	1483964.919	1498454.772	0.00	FL
80	1483987.784	1498448.662	0.00	FL
81	1483990.795	1498460.008	0.00	FL
82	1484002.300	1498482.014	0.00	FL
83	1484017.344	1498510.791	0.00	FL
84	1484018.307	1498514.417	0.00	FL
85	1484030.626	1498521.493	0.00	FL
86	1484038.076	1498519.442	0.00	FL
87	1484047.524	1498553.831	0.00	FL
88	1484039.573	1498567.322	0.00	FL
89	1484057.278	1498634.014	0.00	FL
90	1484069.368	1498642.094	0.00	FL
91	1484076.568	1498669.218	0.00	FL
92	1484030.215	1498641.198	0.00	FL

POINT TABLE				
POINT #	NORTHING	EASTING	ELEV.	DESC.
93	1484012.087	1498572.911	0.00	FL
94	1483999.984	1498565.778	0.00	FL
95	1483981.344	1498596.518	0.00	FL
96	1483996.864	1498633.995	0.00	FL
97	1484012.291	1498671.113	0.00	FL
98	1484017.928	1498692.347	0.00	FL
99	1484060.172	1498717.340	0.00	FL
100	1484087.409	1498710.077	0.00	FL
102	1484074.453	1498758.918	0.00	FL
103	1484049.499	1498801.755	0.00	FL
104	1484095.817	1498976.230	0.00	FL
105	1484132.508	1498997.520	0.00	FL
106	1484161.579	1498989.802	0.00	FL
107	1484167.730	1499013.001	0.00	FL
108	1484138.666	1499020.716	0.00	FL
109	1483969.663	1498713.427	0.00	MED CONC
110	1483955.165	1498717.276	0.00	MED CONC
111	1483970.877	1498715.386	0.00	FL
112	1483955.083	1498719.575	0.00	FL
113	1483913.291	1498562.141	0.00	FL
114	1483885.599	1498505.705	0.00	FL
115	1483988.433	1499006.280	0.00	FL
116	1483970.684	1499036.858	0.00	FL
117	1483962.841	1499038.940	0.00	FL
118	1483992.388	1498796.418	0.00	FL

POINT TABLE				
POINT #	NORTHING	EASTING	ELEV.	DESC.
119	1483984.515	1498795.541	0.00	FL
120	1483975.304	1498838.616	0.00	FL
121	1483981.673	1498862.611	0.00	FL
122	1483996.872	1498899.338	0.00	FL
123	1484015.760	1498931.629	0.00	FL
124	1484034.503	1498975.874	0.00	FL
125	1483993.469	1498803.101	0.00	MED CONC
126	1483979.507	1498806.808	0.00	MED CONC
127	1484027.404	1498930.932	0.00	MED CONC
128	1484017.739	1498933.498	0.00	MED CONC
129	1484130.033	1499314.913	0.00	
130	1484124.872	1499316.283	0.00	FL
131	1484117.368	1499057.409	0.00	FL
132	1484139.300	1499140.024	0.00	FL
133	1484147.940	1499186.862	0.00	FL
134	1484157.768	1499252.462	0.00	FL
135	1484009.216	1499084.569	0.00	FL
136	1484030.225	1499163.709	0.00	FL
137	1484033.925	1499182.454	0.00	FL
138	1484037.726	1499201.706	0.00	FL
139	1484033.366	1499202.863	0.00	FL
140	1484038.366	1499237.509	0.00	TC
141	1484043.335	1499272.040	0.00	TC
142	1484052.060	1499304.991	0.00	TC

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTOR'S ACCEPTANCE BY
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY
NO.
DATE

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FOUND MONUMENT "7_K10"
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SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

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PRELIMINARY
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FOR REVIEW ONLY.
SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

REVISIONS
NO. | DATE | REMARKS | BY

DESIGN
DESIGNED BY: GM — DATE: DEC. 16, 2016
DRAWN BY: LRT — DATE: DEC. 16, 2016
DWG NAME: 3-7_CURB-LN-DIA.dwg — PROJ #: R304101.01
CHECKED BY: SAE — DATE: DEC. 16, 2016

nm811
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Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

60% SUBMITTAL

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: UNSER BOULEVARD RECONSTRUCTION
CURB LINE DIAGRAMS
STA. 10+00.00 TO STA. 26+72.14

Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.
		Last Update	

City Project No. 4383.91
Zone Map No. J-09-Z, J-10-Z, K-09-Z, K-10-Z
Sheet 49 Of 77

CONTROL NO. A302050
SHEET 3–10

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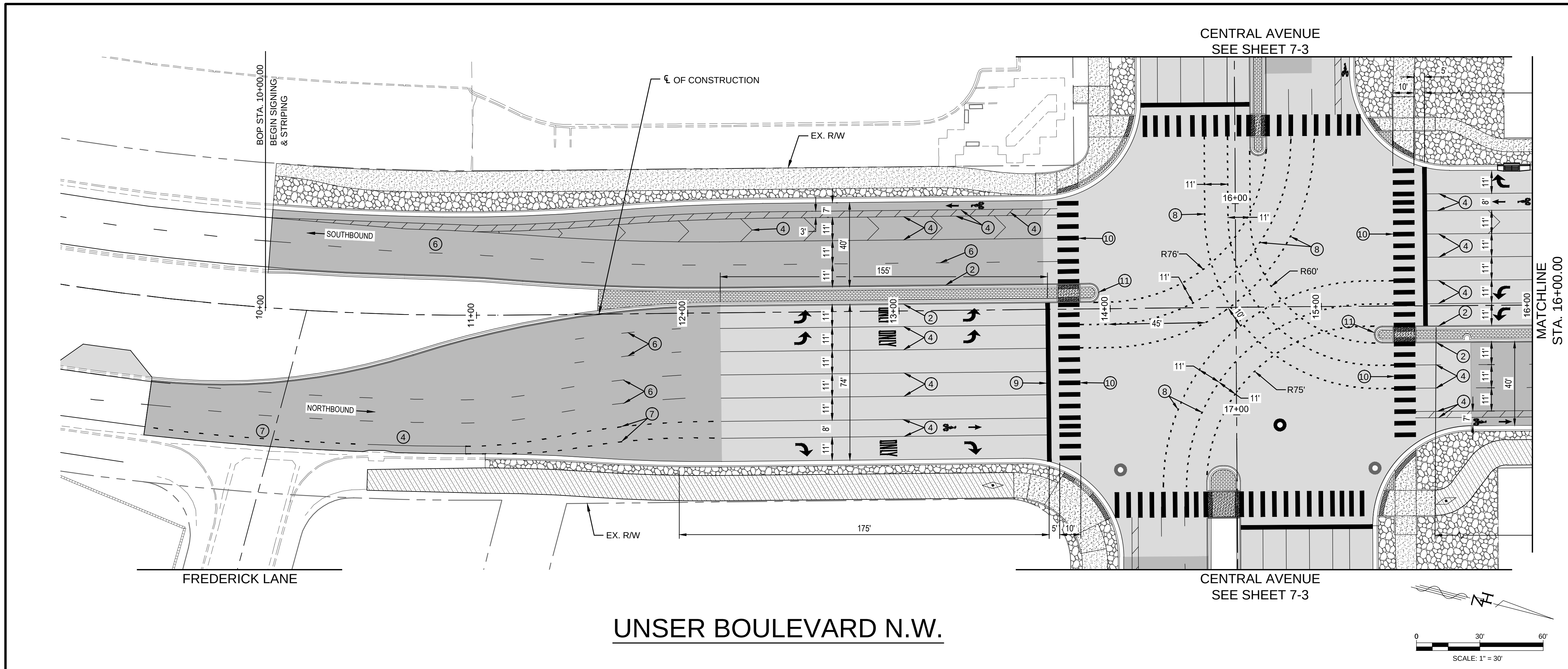

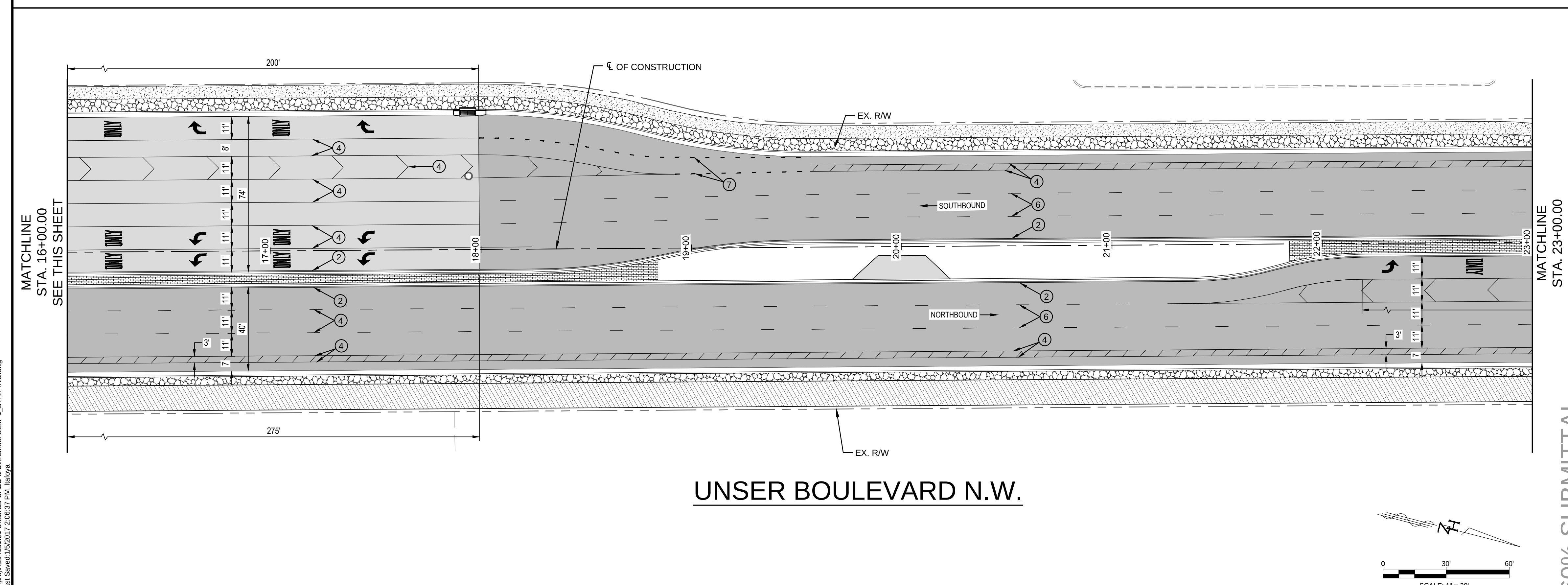

CONSTRUCTION NOTES

1. 4" DOUBLE SOLID YELLOW THERMOPLASTIC
2. 4" SOLID YELLOW THERMOPLASTIC
3. 8" SOLID YELLOW THERMOPLASTIC
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- REFLECTORIZED THERMOPLASTIC TURN LANE LEFT ARROW
- REFLECTORIZED THERMOPLASTIC THROUGH LANE ARROW
- ONLY — REFLECTORIZED THERMOPLASTIC WORD "ONLY"
- REFLECTORIZED THERMOPLASTIC BIKE SYMBOL

GENERAL NOTES

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2. ALL SIGNS TO HAVE HIGH INTENSITY PRISMATIC SHEETING OR APPROVED EQUAL.
3. USE CONTINENTAL BARS FOR CROSSWALKS. RESPECT THE WHEEL PATHS (PLACEMENT ESTABLISHED BY LANE WIDTH) AND THE BARS ARE TO BE PARALLEL TO FLOW OF TRAFFIC (NOT NECESSARILY PERPENDICULAR TO THE CROSSWALK PATH -RAMP TO RAMP).
4. ALL SIGNS PLACED IN THE RIGHT OF WAY SHALL BE THE MINIMUM OF 7 FEET HIGHER, SIGN EDGE OFFSET OF 2 FEET FROM TBC AND MINIMUM CLEARANCE ON THE MASTARM OVERHEAD SIGN OF 17 FEET FROM GROUND TO BOTTOM OF SIGN.

nm811 Know what's below. Call before you dig. TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

AS BUILT INFORMATION — CONTRACTOR — WORK STAKED BY — INSPECTOR'S ACCEPTANCE BY — FIELD VERIFICATION BY — DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION — RECORDED BY — NO. — DATE

BENCH MARKS
FOUND MONUMENT "7_K10"
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PUBLISHED EL=5097.654 (NAVD 1988)
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MAPPING ANGLE=0°16'18.14"

SURVEY INFORMATION — FIELD NOTES — NO. — BY — DATE

ENGINEER'S SEAL
PRELIMINARY
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FOR REVIEW ONLY.
SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

REVISIONS — NO. — DATE — REMARKS — BY
DESIGN
DESIGNED BY: GM — DATE: DEC. 16, 2016
DRAWN BY: LRT — DATE: DEC. 16, 2016
DWG NAME: 7-1_STRIPING.dwg — PROJ #: R304101.01
CHECKED BY: SAE — DATE: DEC. 16, 2016

Designed By:
HUITT-ZOLLARS
Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: UNSER BOULEVARD RECONSTRUCTION
SIGNING & STRIPING PLAN
STA. 10+00.00 TO STA. 23+00.00

Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.

Last Update

City Project No.	Zone Map No.	Sheet	Of
4383.91	J-09-Z, J-10-Z, K-09-Z, K-10-Z	50	77

CONTROL NO. A302050 — SHEET 7–1

60% SUBMITTAL

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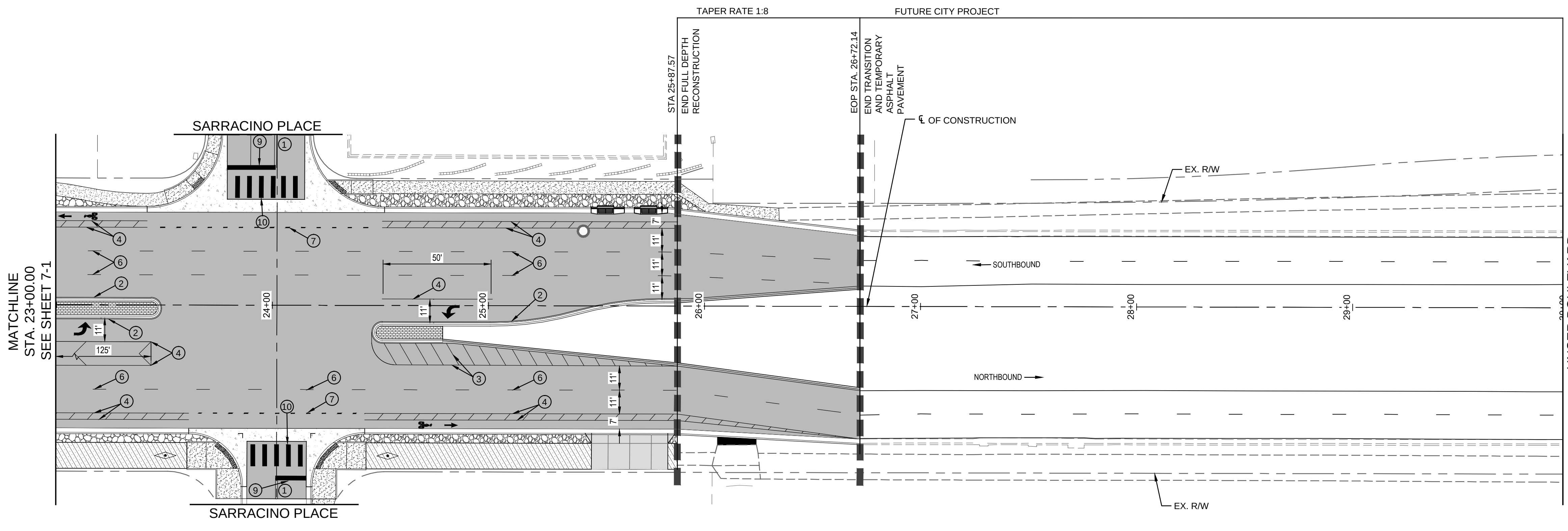
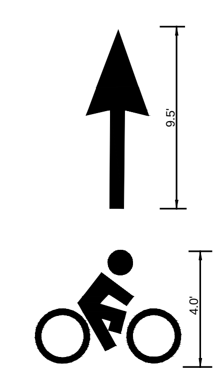
Last Saved:1/5/2017 2:06:37 PM, ltittya



UNSER BOULEVARD N.W.

0 30' 60'
SCALE: 1" = 30'



TYPICAL BIKE SYMBOL

60% SUBMITTAL

CONSTRUCTION NOTES

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3. 8" SOLID YELLOW THERMOPLASTIC
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ONLY REFLECTORIZED THERMOPLASTIC WORD "ONLY"

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CONTRACTOR
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BENCH MARKS
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SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
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SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC. Consulting Engineers

NO.	DATE	REVISIONS REMARKS	BY

DESIGN
DESIGNED BY: GM DATE: DEC. 16, 2016
DRAWN BY: LRT DATE: DEC. 16, 2016
DWG NAME: 7-1_STRIPING.dwg PROJ #: R304101.01
CHECKED BY: SAE DATE: DEC. 16, 2016

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6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
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CITY OF ALBUQUERQUE
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TITLE: UNSER BOULEVARD RECONSTRUCTION
SIGNING & STRIPING PLAN
STA. 23+00.00 TO STA. 26+72.14

Design Review Committee	City Engineer	Last Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4383.91
Zone Map No. J-09-Z, J-10-Z K-09-Z, K-10-Z
Sheet 51 Of 77

CONTROL NO. A302050
SHEET 7-2

Plotted: 1/12/2017 2:10:56 PM, By:Eddings, Scott
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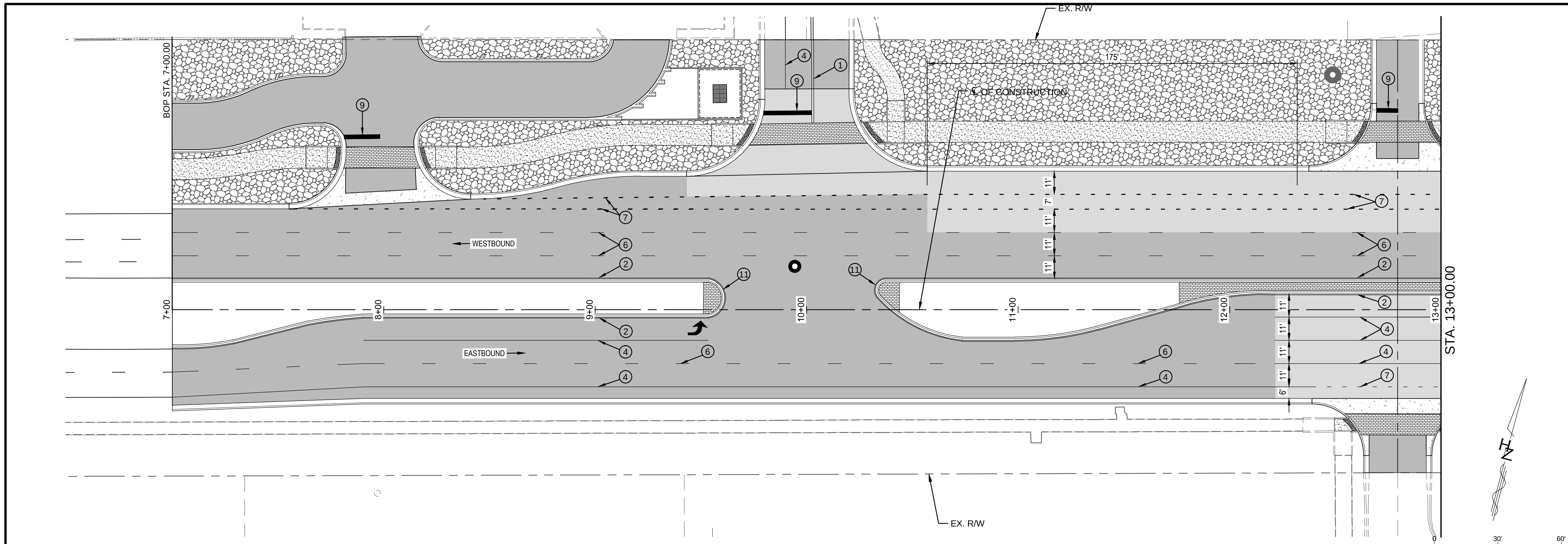
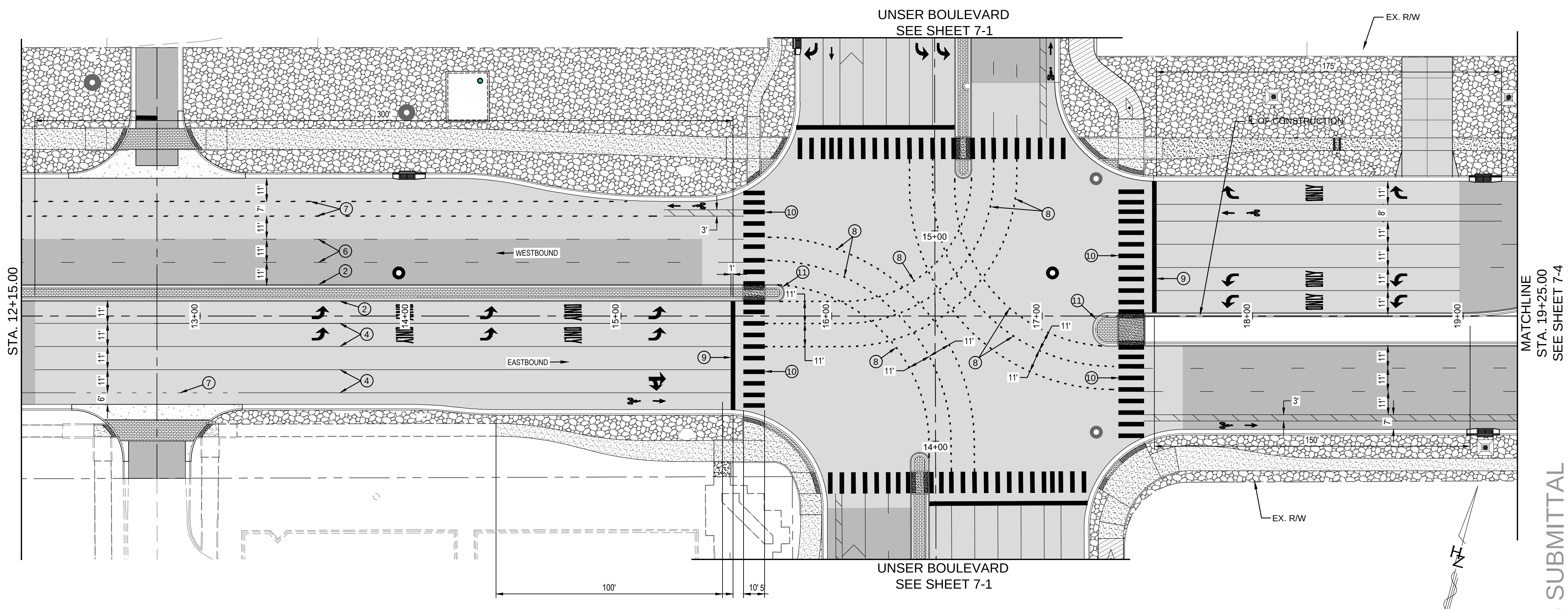
Last Saved:1/5/2017 2:06:37 PM, lttoya



CENTRAL AVENUE NW



CENTRAL AVENUE NW

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3. USE CONTINENTAL BARS FOR CROSSWALKS. RESPECT THE WHEEL PATHS (PLACEMENT ESTABLISHED BY LANE WIDTH) AND THE BARS ARE TO BE PARALLEL TO FLOW OF TRAFFIC (NOT NECESSARILY PERPENDICULAR TO THE CROSSWALK PATH -RAMP TO RAMP).
4. ALL SIGNS PLACED IN THE RIGHT OF WAY SHALL BE THE MINIMUM OF 7 FEET HEIGHT, SIGN EDGE OFFSET OF 2 FEET FROM TBC AND MINIMUM CLEARANCE ON THE MASTARM OVERHEAD SIGN OF 17 FEET FROM GROUND TO BOTTOM OF SIGN.

AS BUILT INFORMATION: CONTRACTOR | WORK STAKED BY | INSPECTOR'S ACCEPTANCE BY | FIELD VERIFICATION BY | DRAWINGS CORRECTED BY | DATE

MICRO-FILM INFORMATION: RECORDED BY | NO. | DATE

BENCH MARKS: FOUND MONUMENT "7_K10" STANDARD 3 1/4" ALUMINUM DISC NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1983) N=1,483,739.165 E=1,498,962.651 PUBLISHED EL=5097.854 (NAVD 1988) GROUND TO GRID FACTOR=0.999683006 MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION: FIELD NOTES | NO. | BY | DATE

ENGINEER'S SEAL: PRELIMINARY NOT FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES. FOR REVIEW ONLY. SCOTT A. EDDINGS 12856 Date: 12/16/16 HUITT-ZOLLARS, INC. Consulting Engineers

REVISIONS: NO. | DATE | REMARKS | BY — DESIGN

DESIGNED BY: GM DATE: DEC. 16, 2016
DRAWN BY: LRT DATE: DEC. 16, 2016
DWG NAME: 7-1_STRIPING.dwg PROJ #: R304101.01
CHECKED BY: SAE DATE: DEC. 16, 2016

nm811 Know what's below. Call before you dig. TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

Designed By:
HUITT-ZOLLARS
Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: UNSER BOULEVARD RECONSTRUCTION
SIGNING & STRIPING PLAN
STA. 7+00.00 TO STA. 19+25.00

Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.

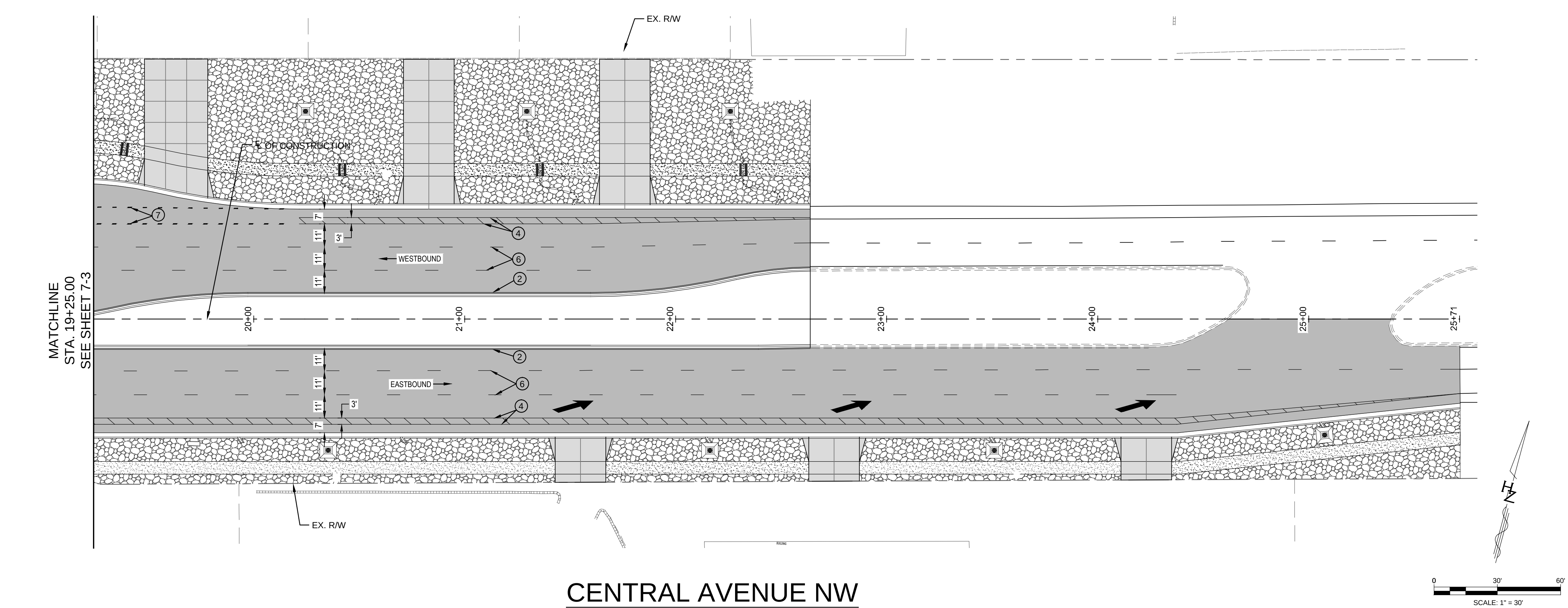
Last Update

City Project No.	Zone Map No.	Sheet	Of
4383.91	J-09-Z, J-10-Z K-09-Z, K-10-Z	52	77

CONTROL NO. A302050 SHEET 7–3

60% SUBMITTAL

Plotted: 1/12/2017 2:11:10 PM, By:Eddings, Scott
H:\proj\R304101.01 Unser\10 CADD & BIM\Sheet Set\7-1_STRIPING.dwg
Last Saved 1/5/2017 2:06:37 PM, Mlloya



CENTRAL AVENUE NW

CONSTRUCTION NOTES

1. 4" DOUBLE SOLID YELLOW THERMOPLASTIC
2. 4" SOLID YELLOW THERMOPLASTIC
3. 8" SOLID YELLOW THERMOPLASTIC
4. 4" SOLID WHITE THERMOPLASTIC
5. 8" SOLID WHITE THERMOPLASTIC
6. 4" REFLECTORIZED THERMOPLASTIC WHITE STRIPE (10' STRIPE, 30' GAP)
7. 4" REFLECTORIZED THERMOPLASTIC WHITE STRIPE (3' STRIPE, 9' GAP)
8. 4" REFLECTORIZED THERMOPLASTIC WHITE STRIPE (2' STRIPE, 4' GAP)
9. 24" THERMOPLASTIC STOP BAR STRIPE
10. 24" THERMOPLASTIC CROSSWALK STRIPE
11. REFLECTORIZED YELLOW PAINT ON CURB FACE (THREE PASSES)
12. 12"x18" REFLECTORIZED THERMOPLASTIC YIELD LINES
13. 4" REFLECTORIZED THERMOPLASTIC YELLOW STRIPE (2' STRIPE, 4' GAP)
14. 12" THERMOPLASTIC CROSSWALK STRIPE

- REFLECTORIZED THERMOPLASTIC RIGHT TURN LANE ARROW
- REFLECTORIZED THERMOPLASTIC TURN LANE LEFT ARROW
- REFLECTORIZED THERMOPLASTIC THROUGH LANE ARROW
- ONLY — REFLECTORIZED THERMOPLASTIC WORD "ONLY"
- REFLECTORIZED THERMOPLASTIC BIKE SYMBOL

GENERAL NOTES

1. ALL SIGNS, STRIPING, AND ROAD MARKINGS SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.
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3. USE CONTINENTAL BARS FOR CROSSWALKS. RESPECT THE WHEEL PATHS (PLACEMENT ESTABLISHED BY LANE WIDTH) AND THE BARS ARE TO BE PARALLEL TO FLOW OF TRAFFIC (NOT NECESSARILY PERPENDICULAR TO THE CROSSWALK PATH -RAMP TO RAMP).
4. ALL SIGNS PLACED IN THE RIGHT OF WAY SHALL BE THE MINIMUM OF 7 FEET HEIGHT, SIGN EDGE OFFSET OF 2 FEET FROM TBC AND MINIMUM CLEARANCE ON THE MASTARM OVERHEAD SIGN OF 17 FEET FROM GROUND TO BOTTOM OF SIGN.

nm811 Know what's below. Call before you dig.
TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

AS BUILT INFORMATION
CONTRACTOR | DATE
WORK STAKED BY | DATE
INSPECTOR'S ACCEPTANCE BY | DATE
FIELD VERIFICATION BY | DATE
DRAWINGS CORRECTED BY | DATE
MICRO-FILM INFORMATION
RECORDED BY | DATE
NO.

BENCH MARKS
FOUND MONUMENT "7_K10"
STANDARD 3 1/4" ALUMINUM DISC
NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1983)
N=1,483,739.165
E=1,498,962.651
PUBLISHED EL=5097.654 (NAVD 1988)
GROUND TO GRID FACTOR=0.999683006
MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
PRELIMINARY
NOT FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES. FOR REVIEW ONLY.
SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

REVISIONS
NO. | DATE | REMARKS | BY

DESIGN
DESIGNED BY: GM DATE: DEC. 16, 2016
DRAWN BY: LRT DATE: DEC. 16, 2016
DWG NAME: 7-1_STRIPING.dwg PROJ #: R304101.01
CHECKED BY: SAE DATE: DEC. 16, 2016

Designed By:
HUITT-ZOLLARS
Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

60% SUBMITTAL

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: UNSER BOULEVARD RECONSTRUCTION
SIGNING & STRIPING PLAN
STA. 19+25.00 TO STA. 25+71.00

Design Review Committee	City Engineer	Last Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4383.91	J-09-Z, J-10-Z K-09-Z, K-10-Z	53	77

CONTROL NO. A302050
SHEET 7-4

Plotted: 1/12/2017 2:11:22 PM, By:Eddings, Scott
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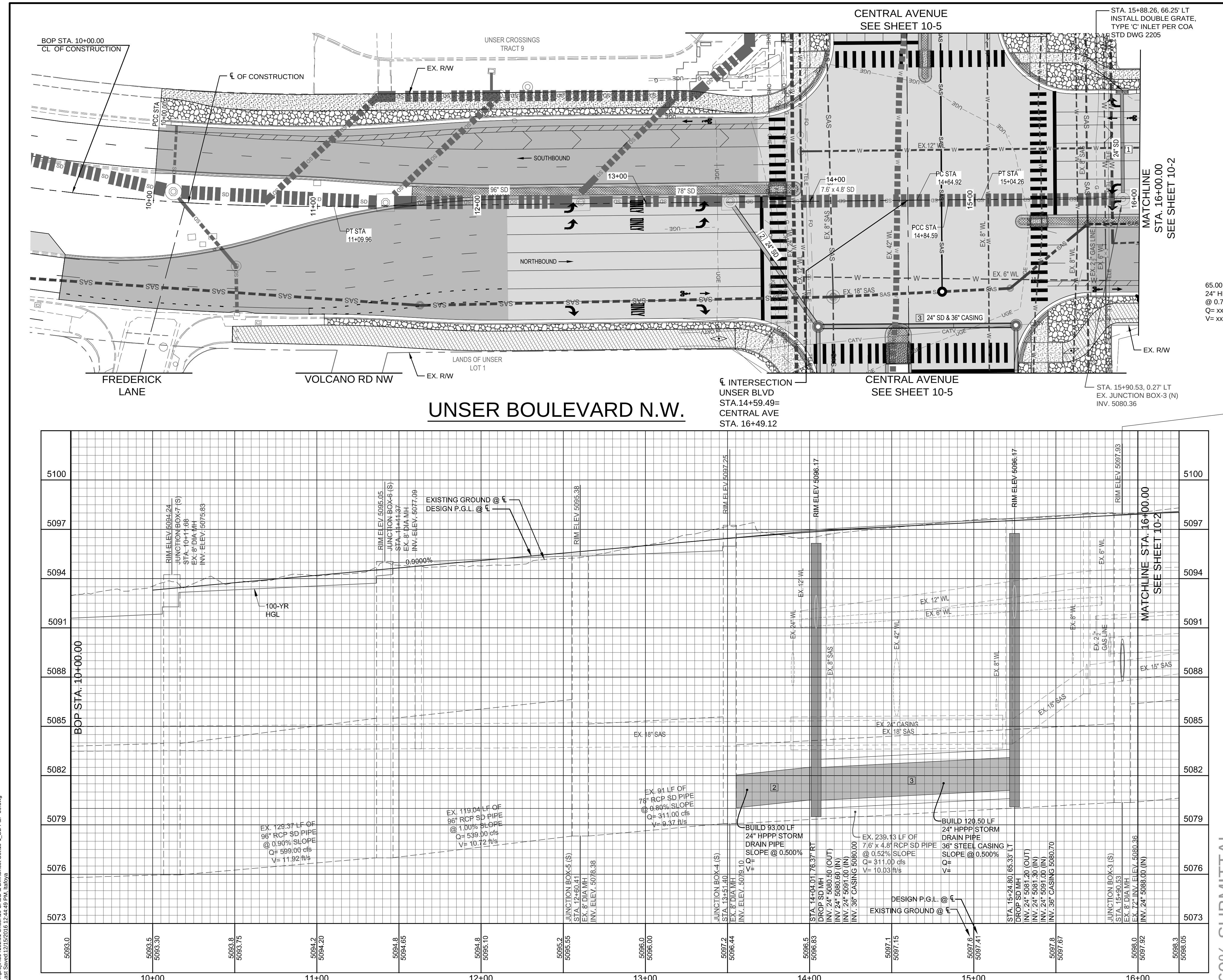
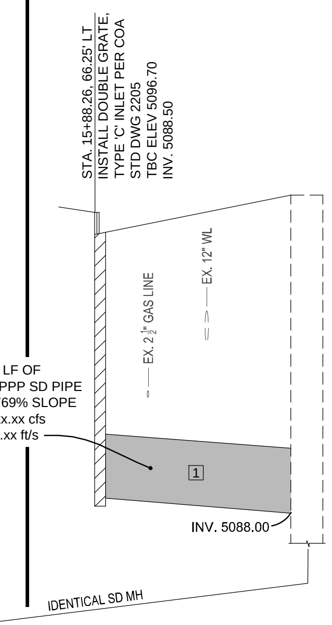
Last Saved:1/5/2017 2:06:37 PM, lattoya



STORM DRAIN LINE DATA

	BEARING	LENGTH
1	S 74°54'50" W	65.00'
2	N 40°32'11" E	93.00'
3	N 14°54'46" W	120.50'



LEGEND

- ASPHALT PAVED ROADWAY
- CONCRETE PAVED ROADWAY
- ASPHALT TRAIL
- SIDEWALK
- GRAVEL LANDSCAPE
- L.I.D. WATER QUALITY INLET SEE DETAIL B ON SHEET 10-9
- SIDEWALK CULVERT PER COA STD DWG 2236
- CURB OPENING SEE DETAIL E, F & G ON SHEET 2-19
- FLOW ARROW DIRECTION

SCALE: 1" = 30'
SCALE: 1" = 3'

nm811 Know what's below. Call before you dig.
TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY / INSPECTOR'S ACCEPTANCE BY / FIELD VERIFICATION BY / DRAWINGS CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY
NO.

BENCH MARKS
FOUND MONUMENT "7_K10"
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FIELD NOTES
NO. BY DATE

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SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC. Consulting Engineers

REVISIONS
NO. DATE BY REMARKS
DESIGN
DESIGNED BY: GM DATE: DEC. 16, 2016
DRAWN BY: LRT DATE: DEC. 16, 2016
DWG NAME: 10-1_SD P&P-50.dwg PROJ #: R304101.01
CHECKED BY: SAE DATE: DEC. 16, 2016

Designed By:
HUITT-ZOLLARS
Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

60% SUBMITTAL

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: UNSER BOULEVARD RECONSTRUCTION
STORM DRAIN PLAN & PROFILE
STA. 10+00.00 TO STA. 16+00.00

Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.
		Last Update	

City Project No.	Zone Map No.	Sheet	Of
4383.91	J-09-Z, J-10-Z K-09-Z, K-10-Z	61	77

CONTROL NO. A302050 SHEET 10–1

Plotted: 1/12/2017 2:12:57 PM, By:Eddings, Scott
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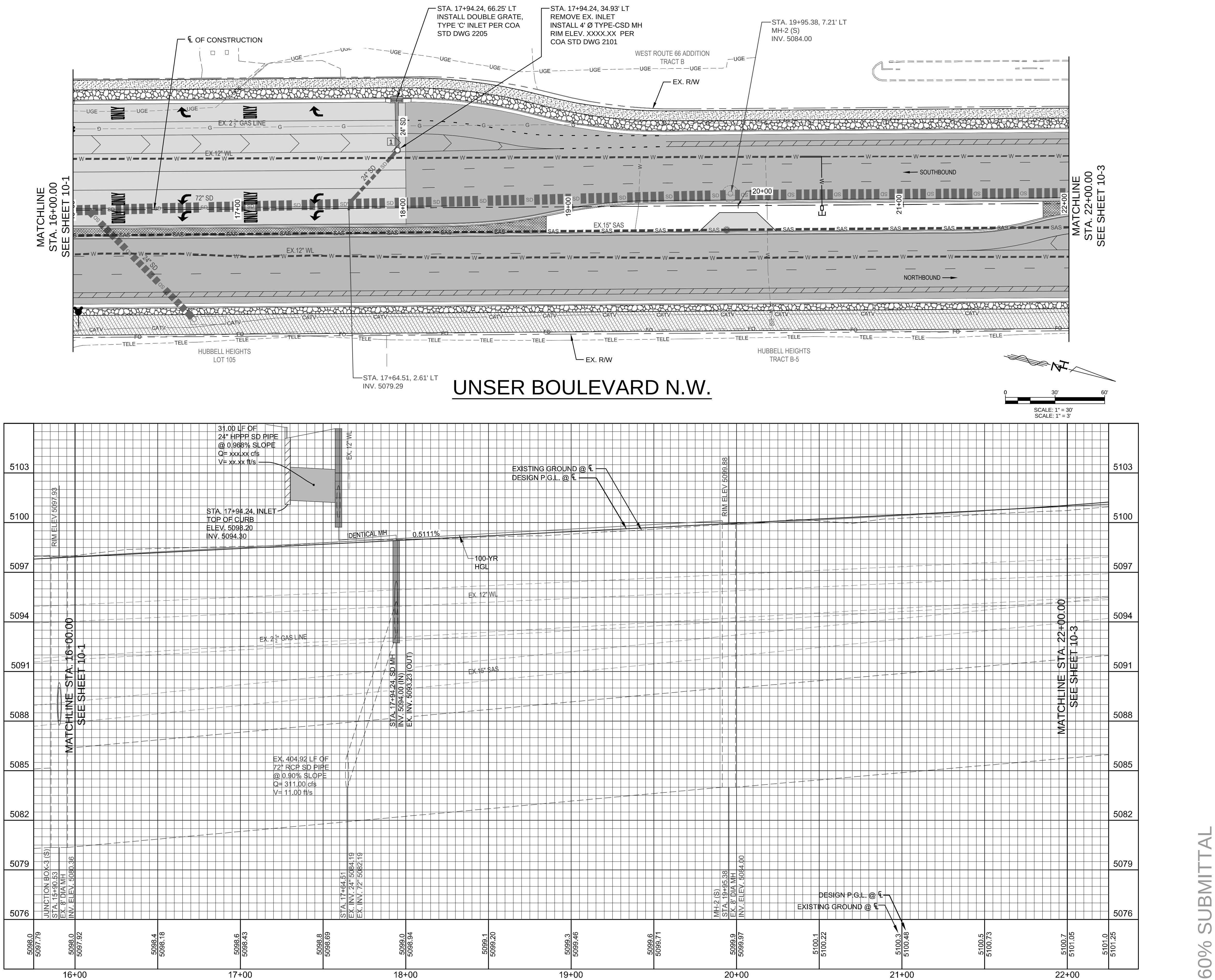
Last Saved:12/15/2016 12:44:49 PM, lfathiya



STORM DRAIN LINE DATA

	BEARING	LENGTH
1	S 75°04'15" W	31.00'

LEGEND

- ASPHALT PAVED ROADWAY
- CONCRETE PAVED ROADWAY
- ASPHALT TRAIL
- SIDEWALK
- GRAVEL LANDSCAPE
- L.I.D. WATER QUALITY INLET SEE DETAIL B ON SHEET 10-9
- SIDEWALK CULVERT PER COA STD DWG 2236
- CURB OPENING SEE DETAIL E, F & G ON SHEET 2-19
- FLOW ARROW DIRECTION

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTOR'S ACCEPTANCE BY
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY
NO.

BENCH MARKS
FOUND MONUMENT "7_K10"
STANDARD 3 1/4" ALUMINUM DISC
NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1983)
N=1,483,739.165
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PUBLISHED EL=5097.854 (NAVD 1988)
GROUND TO GRID FACTOR=0.999683006
MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
PRELIMINARY
NOT FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES. FOR REVIEW ONLY.
SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

nm811
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REVISIONS
NO. DATE REMARKS BY

DESIGN
DESIGNED BY: GM DATE: DEC. 16, 2016
DRAWN BY: LRT DATE: DEC. 16, 2016
DWG NAME: 10-1_SD P&P-50.dwg PROJ #: R304101.01
CHECKED BY: SAE DATE: DEC. 16, 2016

Designed By:
HUITT-ZOLLARS
Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

60% SUBMITTAL

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

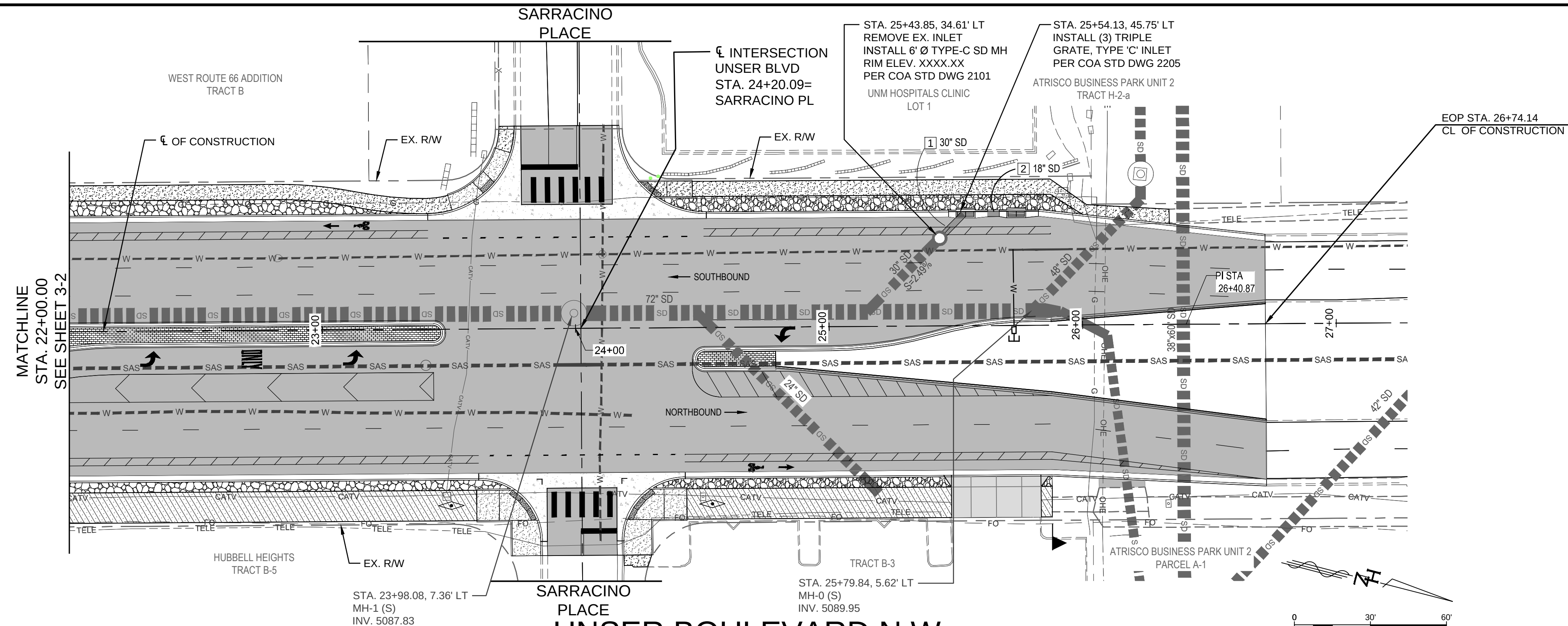
TITLE: UNSER BOULEVARD RECONSTRUCTION
STORM DRAIN PLAN & PROFILE
STA. 16+00.00 TO STA. 22+00.00

Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.

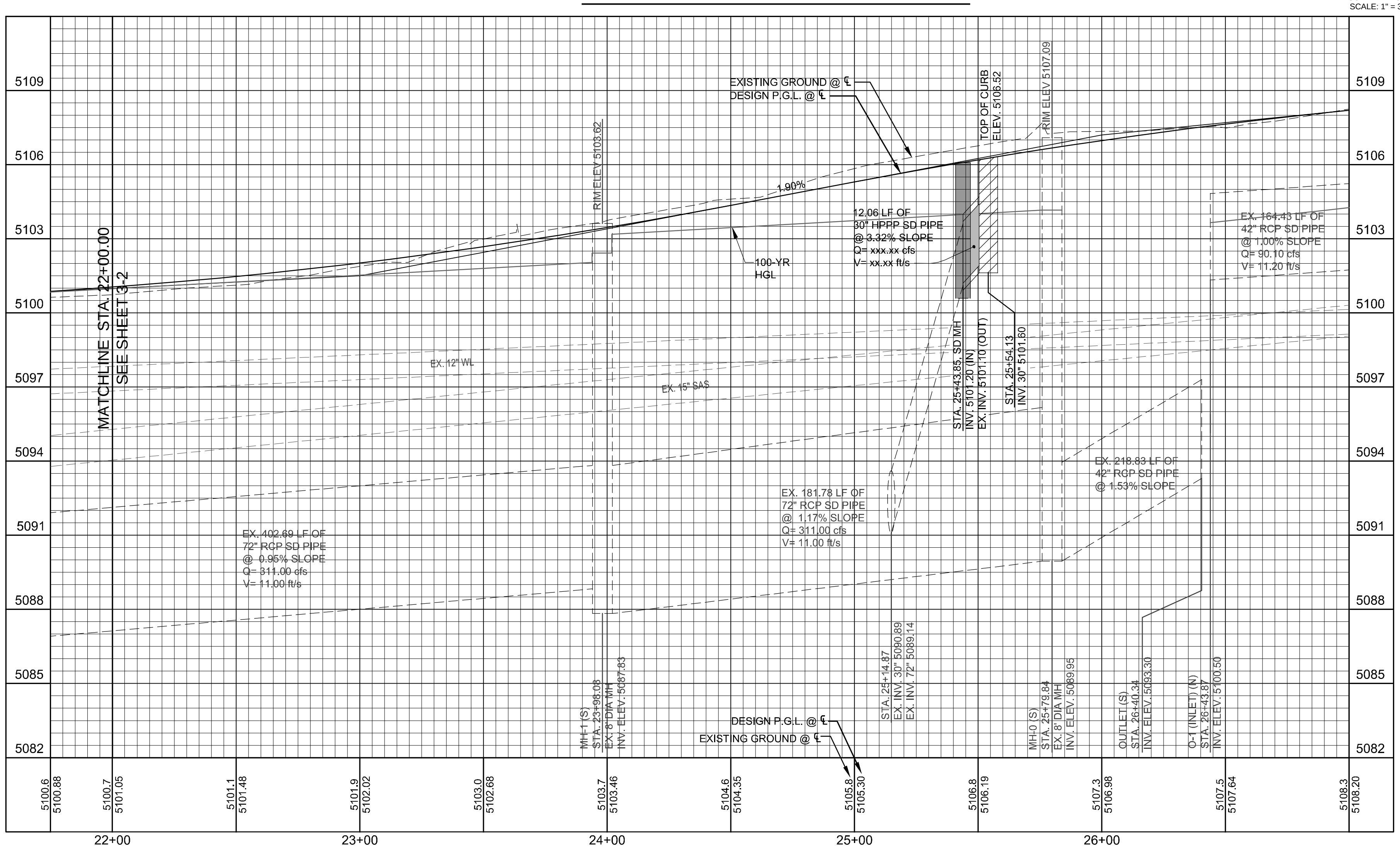
Last Update

City Project No.	Zone Map No.	Sheet	Of
4383.91	J-09-Z, J-10-Z K-09-Z, K-10-Z	62	77

CONTROL NO. A302050 SHEET 10–2



UNSER BOULEVARD N.W.



STORM DRAIN LINE DATA

	BEARING	LENGTH
1	N 59°48'00" W	12.06'
2	S 14°39'37" E	13.50'

LEGEND

- ASPHALT PAVED ROADWAY
- CONCRETE PAVED ROADWAY
- ASPHALT TRAIL
- SIDEWALK
- GRAVEL LANDSCAPE
- L.I.D. WATER QUALITY INLET SEE DETAIL B ON SHEET 10-9
- SIDEWALK CULVERT PER COA STD DWG 2236
- CURB OPENING SEE DETAIL E, F & G ON SHEET 2-19
- FLOW ARROW DIRECTION

AS BUILT INFORMATION
CONTRACTOR | DATE
WORK STAKED BY | DATE
INSPECTOR'S ACCEPTANCE BY | DATE
FIELD VERIFICATION BY | DATE
DRAWINGS CORRECTED BY | DATE
MICRO-FILM INFORMATION | DATE
RECORDED BY
NO.

BENCH MARKS
FOUND MONUMENT "7_K10"
STANDARD 3 1/4" ALUMINUM DISC
NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1983)
N=1,483,739.165
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PUBLISHED EL=5097.854 (NAVD 1988)
GROUND TO GRID FACTOR=0.999683006
MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
PRELIMINARY
NOT FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES. FOR REVIEW ONLY.
SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

NM811
Know what's below. Call before you dig.
TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

REVISIONS
NO. | DATE | REMARKS | BY

DESIGN
DESIGNED BY: GM | DATE: DEC. 16, 2016
DRAWN BY: LRT | DATE: DEC. 16, 2016
DWG NAME: 10-1_SD P&P-50.dwg | PROJ #: R304101.01
CHECKED BY: SAE | DATE: DEC. 16, 2016

Designed By:
HUITT-ZOLLARS
Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

60% SUBMITTAL

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: UNSER BOULEVARD RECONSTRUCTION
STORM DRAIN PLAN & PROFILE
STA. 22+00.00 TO STA. 26+74.14

Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.
	Last Update		

City Project No.	Zone Map No.	Sheet	Of
4383.91	J-09-Z, J-10-Z K-09-Z, K-10-Z	63	77

CONTROL NO. A302050
SHEET 10–3

Plotted: 1/12/2017 2:13:35 PM, By:Eddings, Scott
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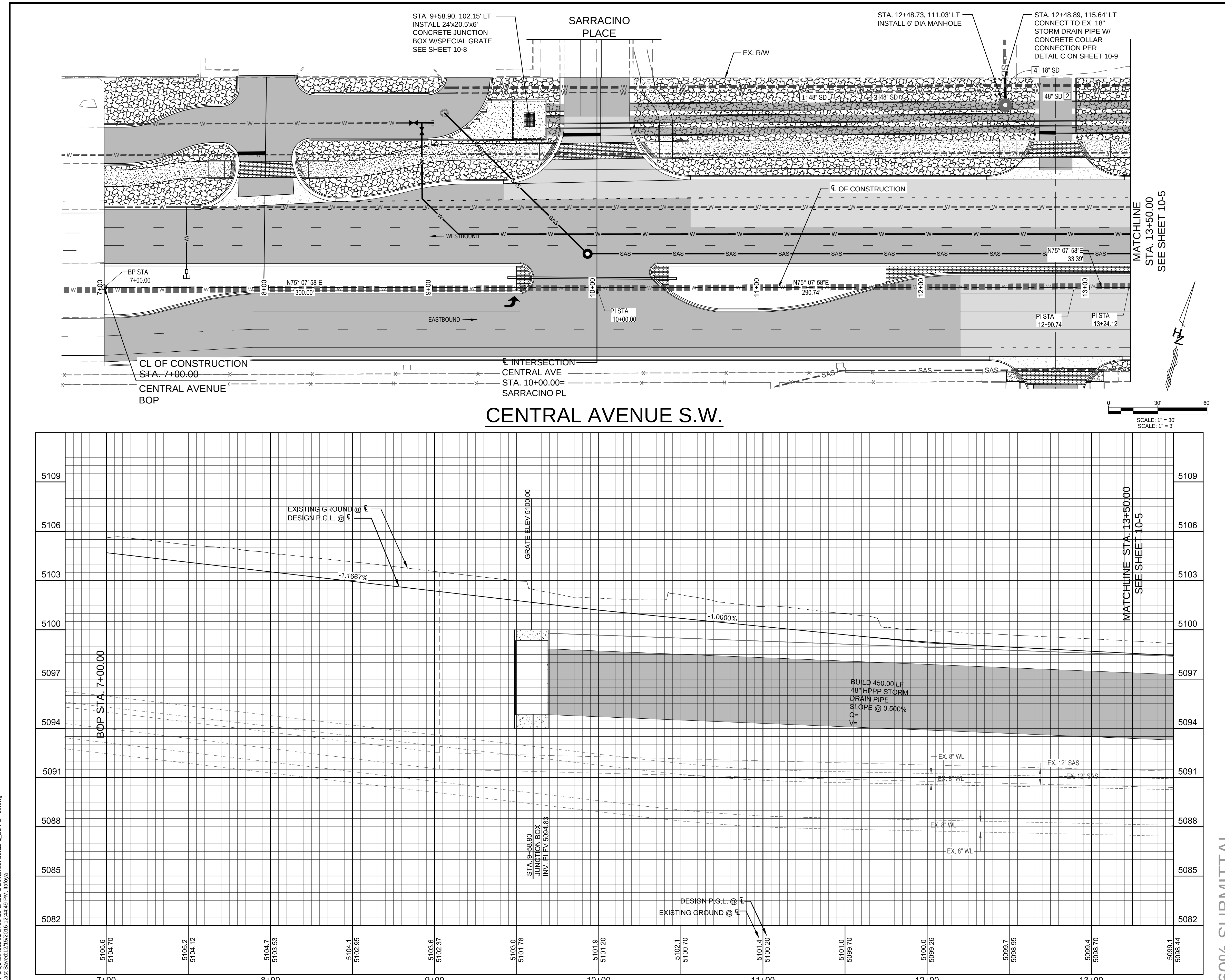
Last Saved:12/15/2016 12:44:49 PM, lfathiya



STORM DRAIN LINE DATA

	BEARING	LENGTH
1	N 74°51'40" E	280.00'
2	N 74°51'40" E	170.00'
3	N 74°51'40" E	450.00'
4	N 15°20'20" W	16.50'

LEGEND

- ASPHALT PAVED ROADWAY
- CONCRETE PAVED ROADWAY
- ASPHALT TRAIL
- SIDEWALK
- GRAVEL LANDSCAPE
- L.I.D. WATER QUALITY INLET SEE DETAIL B ON SHEET 10-9
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- CURB OPENING SEE DETAIL E, F & G ON SHEET 2-19
- FLOW ARROW DIRECTION

AS BUILT INFORMATION: CONTRACTOR / WORK STAKED BY / INSPECTOR'S ACCEPTANCE BY / FIELD VERIFICATION BY / DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION: RECORDED BY / NO. — DATE

BENCH MARKS

FOUND MONUMENT "7_K10"
STANDARD 3 1/4" ALUMINUM DISC
NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1983)
N=1,483,739.165
E=1,498,962.651
PUBLISHED EL=5097.654 (NAVD 1988)
GROUND TO GRID FACTOR=0.999683006
MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION — FIELD NOTES: NO. / BY / DATE

ENGINEER'S SEAL

PRELIMINARY
NOT FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.
FOR REVIEW ONLY.
SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

REVISIONS: NO. / DATE / REMARKS / BY

DESIGN
DESIGNED BY: GM — DATE: DEC. 16, 2016
DRAWN BY: LRT — DATE: DEC. 16, 2016
DWG NAME: 10-1_SD P&P-50.dwg — PROJ #: R304101.01
CHECKED BY: SAE — DATE: DEC. 16, 2016

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Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: UNSER BOULEVARD RECONSTRUCTION
STORM DRAIN PLAN & PROFILE
STA. 7+00.00 TO STA. 13+50.00

Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.

Last Update

City Project No.	Zone Map No.	Sheet	Of
4383.91	J-09-Z, J-10-Z K-09-Z, K-10-Z	64	77

CONTROL NO. A302050 SHEET 10-4

60% SUBMITTAL

Plotted: 1/12/2017 2:13:55 PM, By:Eddings, Scott
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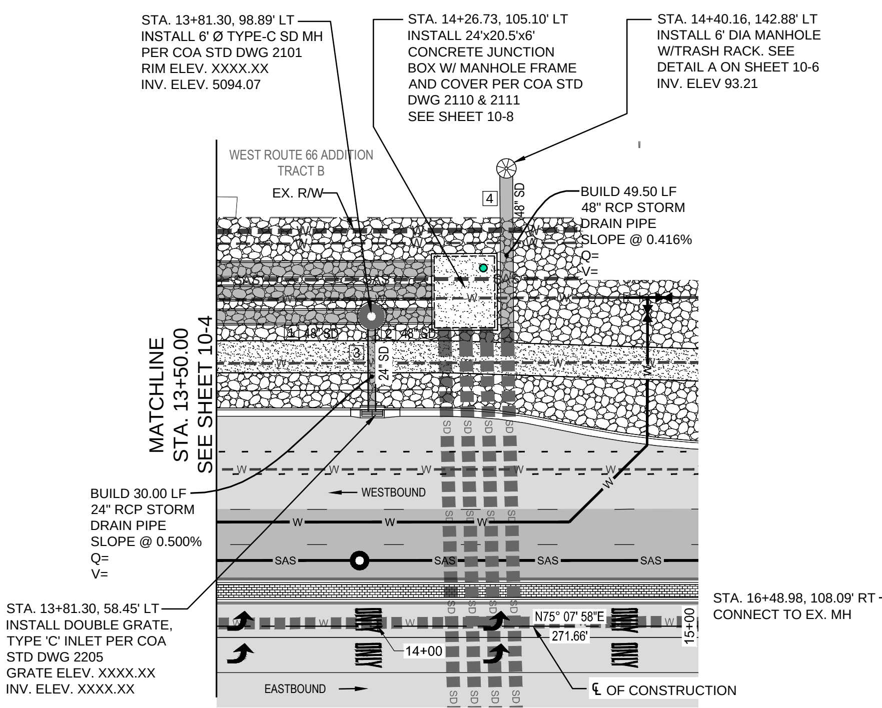
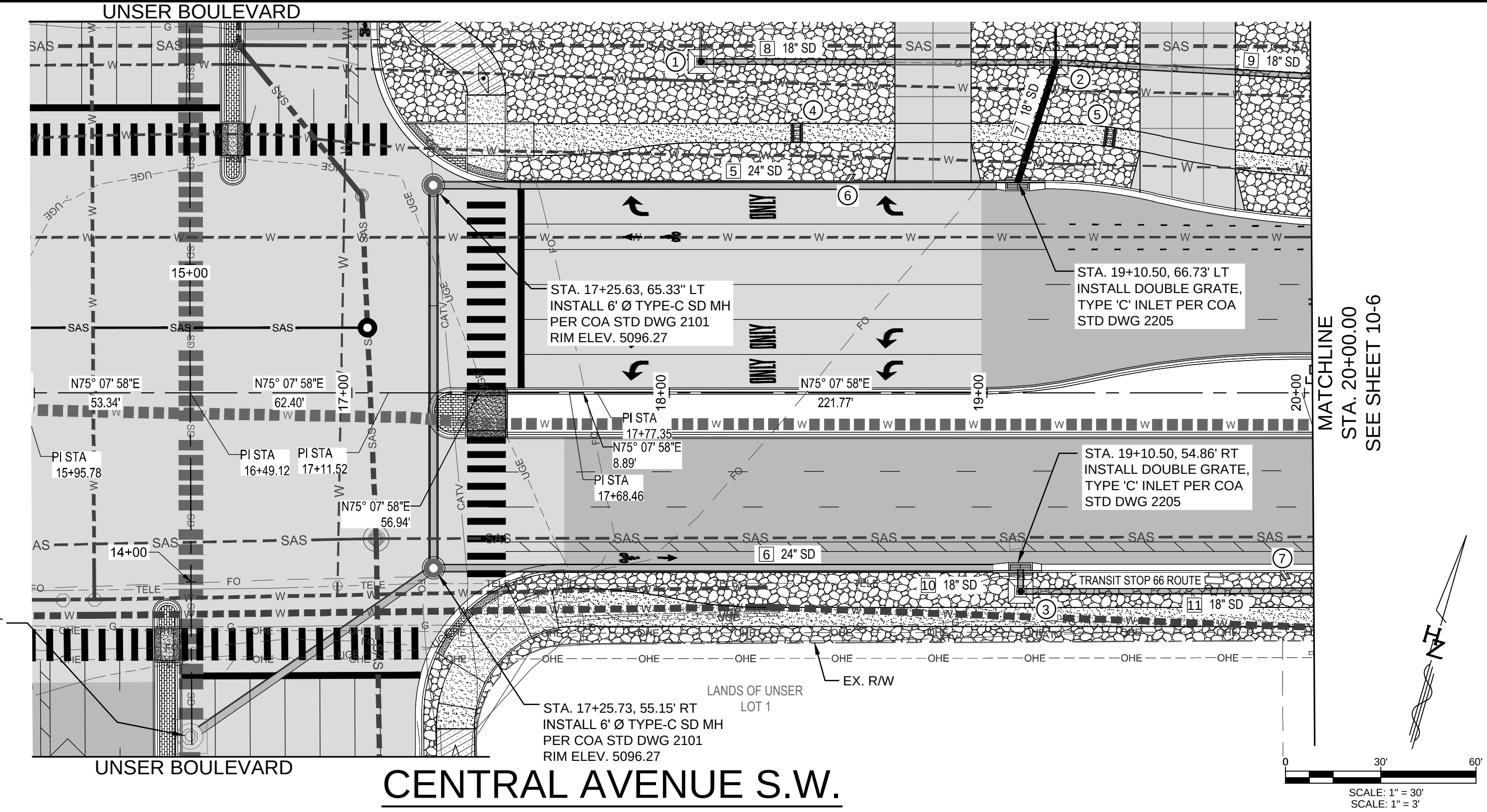
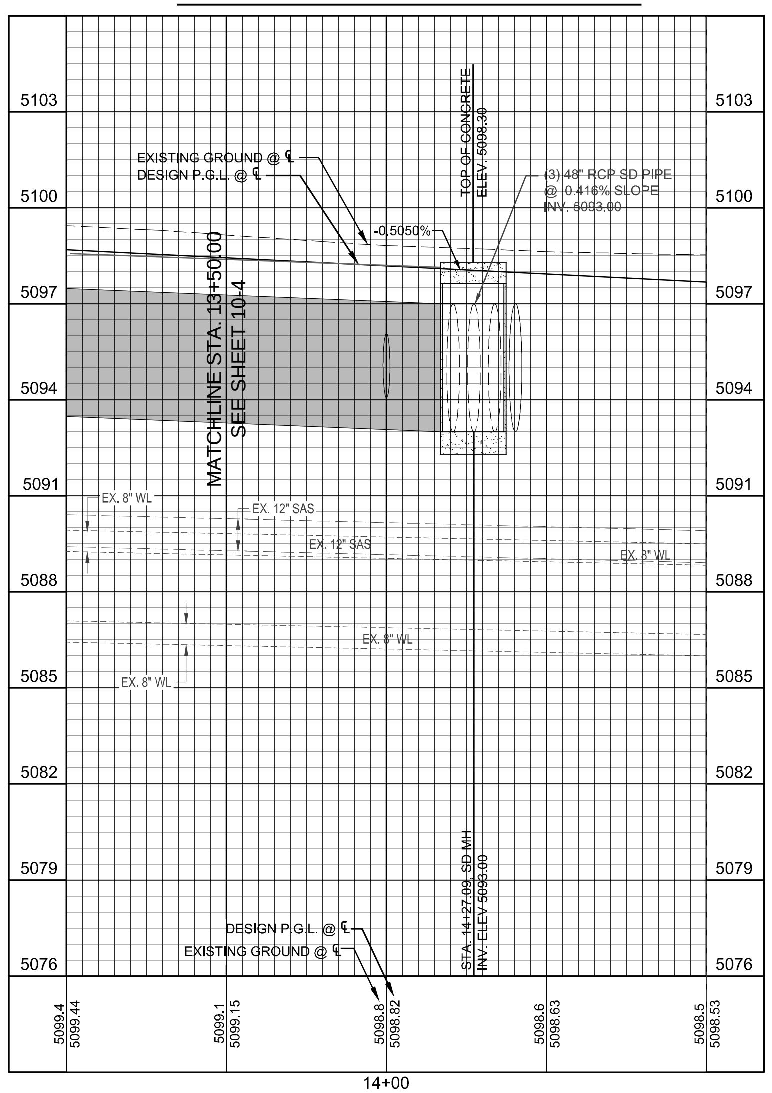
Last Saved:12/15/2016 12:44:49 PM, lfatuya

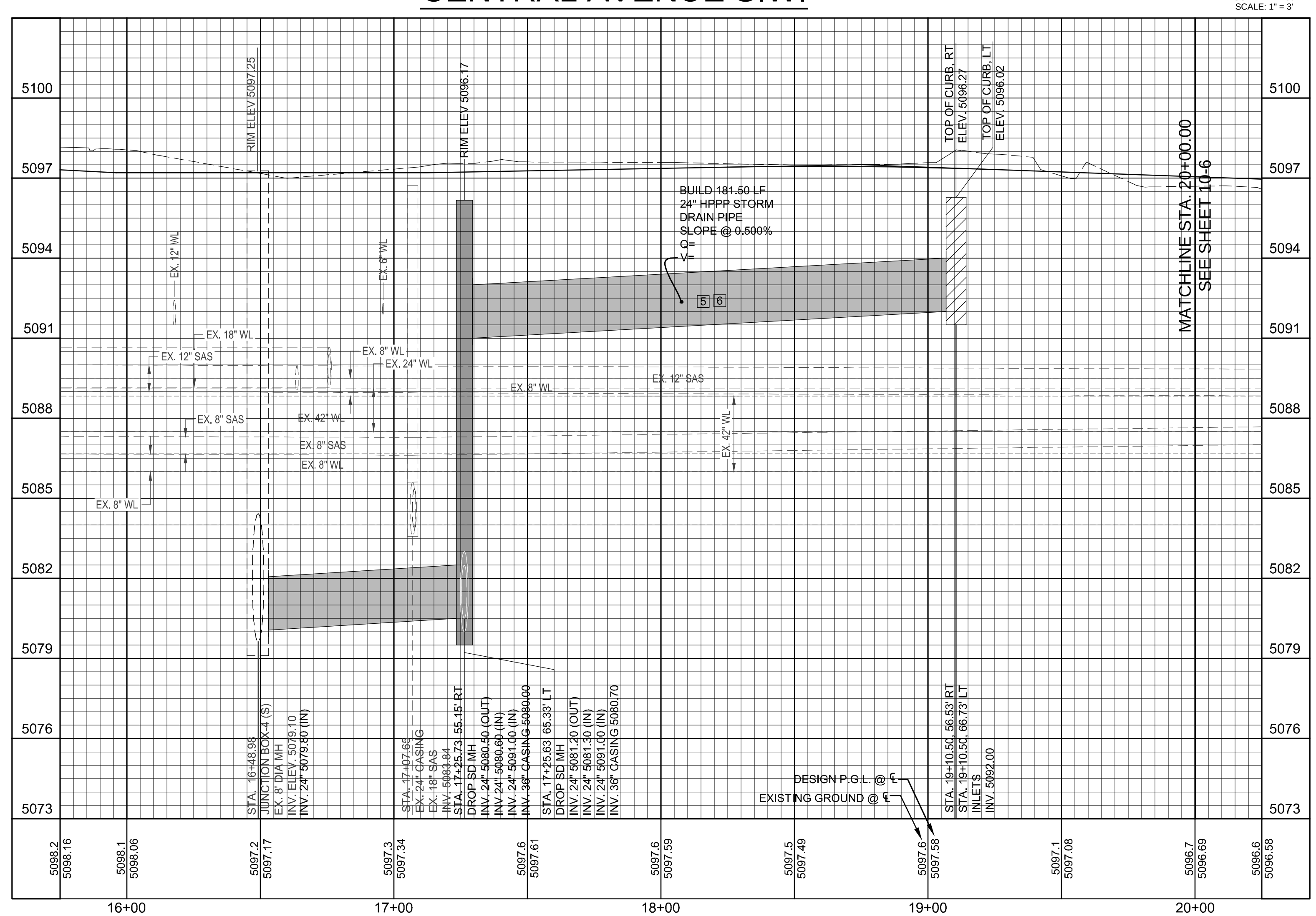




CENTRAL AVENUE S.W.

CENTRAL AVENUE S.W.





STORM DRAIN LINE DATA

	BEARING	LENGTH
1	N 74°51'40" E	430.00'
2	N 74°51'40" E	20.00'
3	N 15°07'21" W	30.00'
4	N 15°08'09" W	49.50'
5	S 75°12'17" W	181.50'
6	S 75°08'01" W	181.50'
7	N 2°41'11" E	39.67'
8	N 75°16'10" E	111.70'
9	N 78°12'19" E	103.09'
10	N 15°18'29" W	7.10'
11	N 74°59'15" E	124.67'

1. STA. 18+08.89, 104.20' LT
GRATE ELEV.
INV.
2. STA. 19+21.59, 103.93' LT
GRATE ELEV.
INLET INV.
3. STA. 19+10.55, 62.51' RT
GRATE ELEV.
INLET INV.
4. STA. 18+40.08, 78.73' LT
TC ELEV.
5. STA. 19+38.29, 77.50' LT
TC ELEV.
6. STA. 18+55.90, 66.10' LT
FL ELEV.
7. STA. 19+92.79, 55.90' RT
TC ELEV.

LEGEND

- ASPHALT PAVED ROADWAY
- CONCRETE PAVED ROADWAY
- ASPHALT TRAIL
- SIDEWALK
- GRAVEL LANDSCAPE
- L.I.D. WATER QUALITY INLET SEE DETAIL B ON SHEET 10-9
- SIDEWALK CULVERT PER COA STD DWG 2236
- CURB OPENING SEE DETAIL E, F & G ON SHEET 2-19
- FLOW ARROW DIRECTION

AS BUILT INFORMATION
CONTRACTOR DATE
WORK STAKED BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
FOUND MONUMENT "7_K10"
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MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

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FOR REVIEW ONLY.
SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

NO. DATE REVISIONS REMARKS BY
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DWG NAME: 10-1_SD P&P-50.dwg
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Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

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CITY OF ALBUQUERQUE
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ENGINEERING DIVISION

TITLE: UNSER BOULEVARD RECONSTRUCTION
STORM DRAIN PLAN & PROFILE
STA. 13+50.00 TO STA. 20+00.00

Design Review Committee	City Engineer	Last Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4383.91
Zone Map No. J-09-Z, J-10-Z, K-09-Z, K-10-Z
Sheet 65 Of 77

CONTROL NO. A302050
SHEET 10–5

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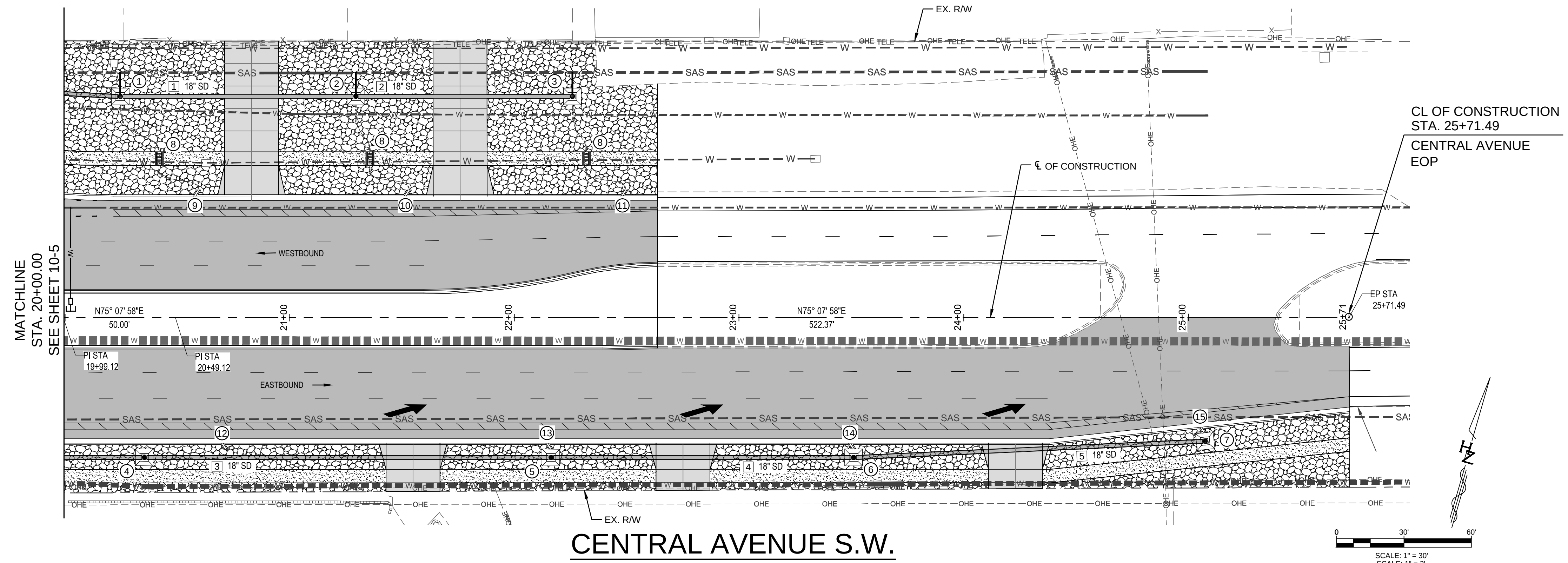

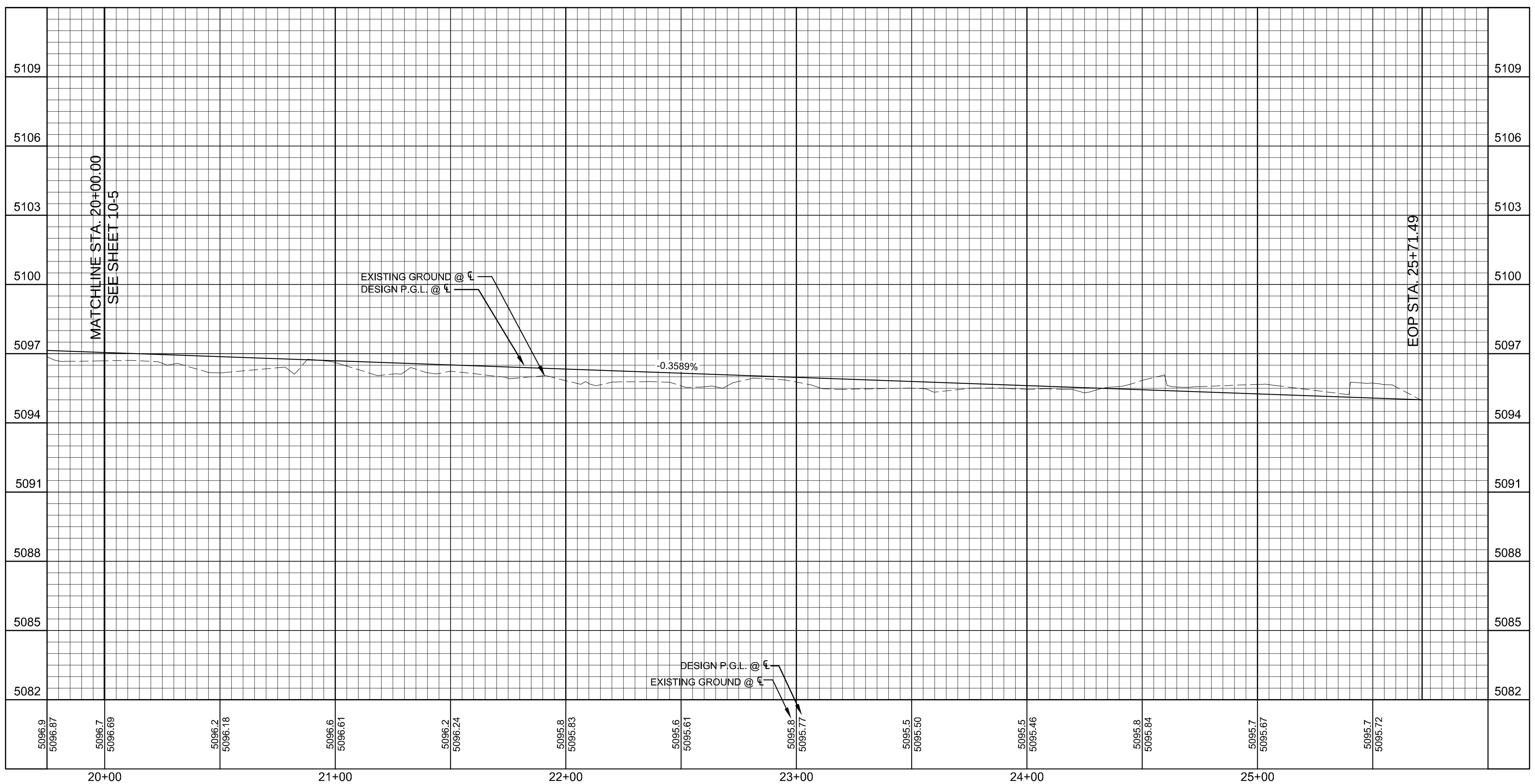

STORM DRAIN LINE DATA

	BEARING	LENGTH
1	N 75°07'58" E	105.00'
2	N 75°07'58" E	97.00'
3	N 75°09'28" E	181.00'
4	N 75°07'58" E	135.00'
5	N 72°28'26" E	157.00'

LEGEND

- ASPHALT PAVED ROADWAY
- CONCRETE PAVED ROADWAY
- ASPHALT TRAIL
- SIDEWALK
- GRAVEL LANDSCAPE
- L.I.D. WATER QUALITY INLET SEE DETAIL B ON SHEET 10-9
- SIDEWALK CULVERT PER COA STD DWG 2236
- CURB OPENING SEE DETAIL E, F & G ON SHEET 2-19
- FLOW ARROW DIRECTION

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WORK STAKED BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
FOUND MONUMENT "7_K10"
STANDARD 3 1/4" ALUMINUM DISC
NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1983)
N=1,483,739.165
E=1,498,962.651
PUBLISHED EL=5097.854 (NAVD 1988)
GROUND TO GRID FACTOR=0.999683006
MAPPING ANGLE=-0°16'18.14"

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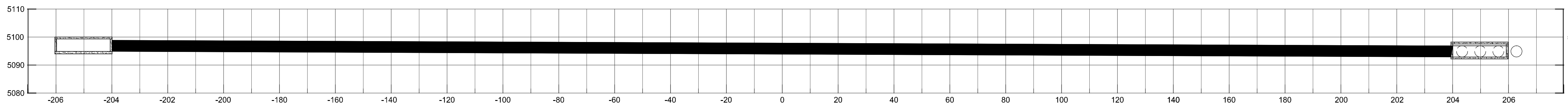

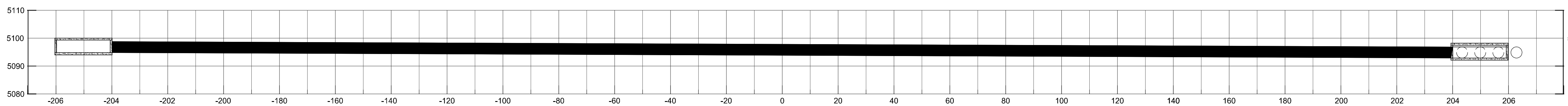

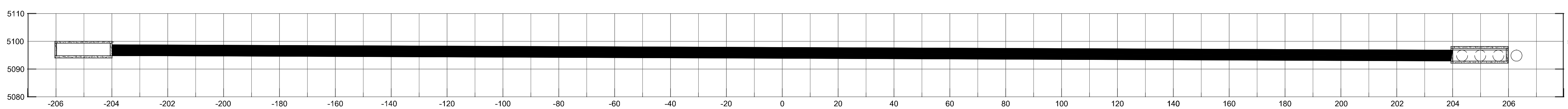

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SHEET 10–7

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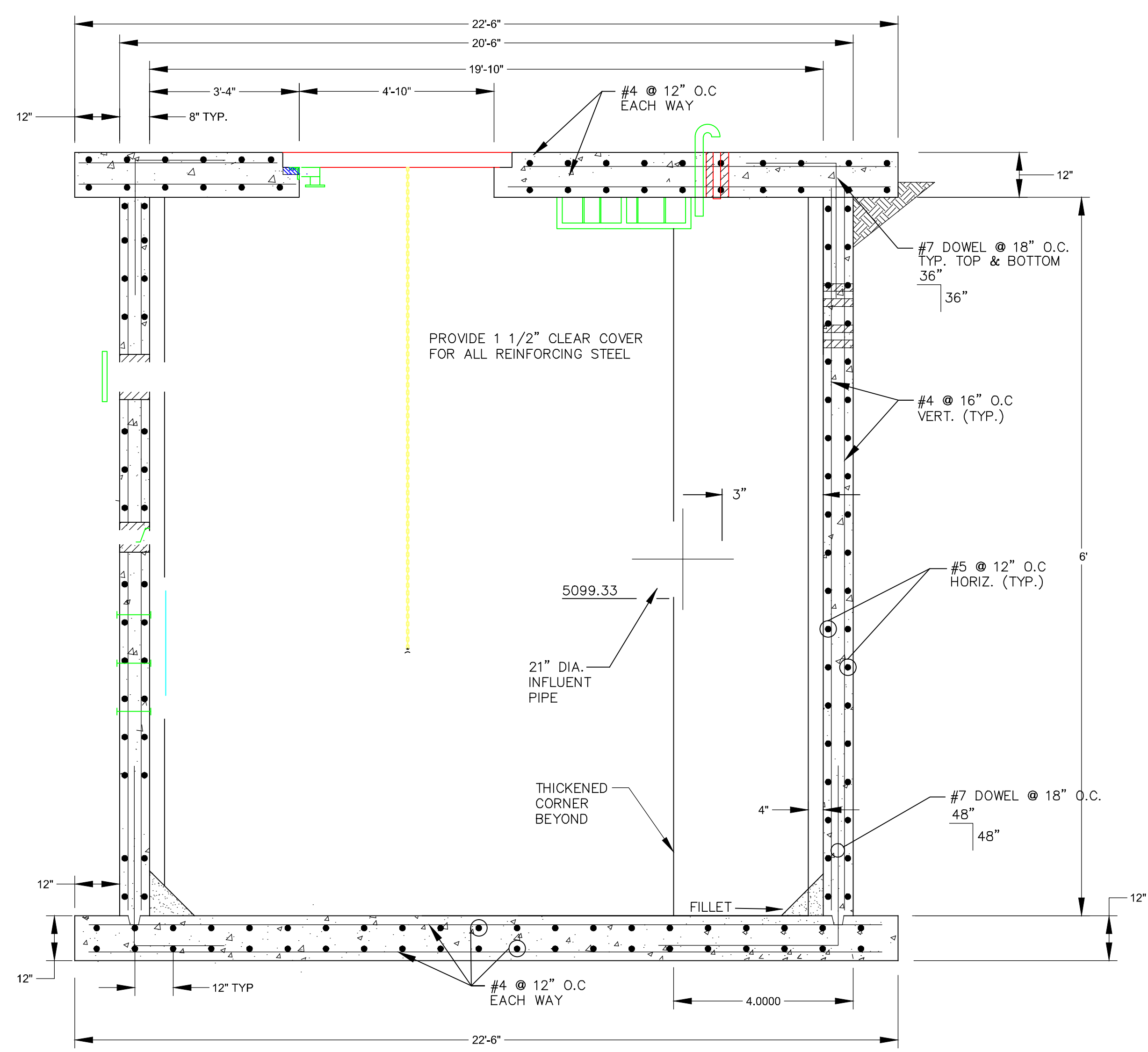

SECTION A–A
NTS

CONCRETE JUNCTION BOX
N.T.S.

A

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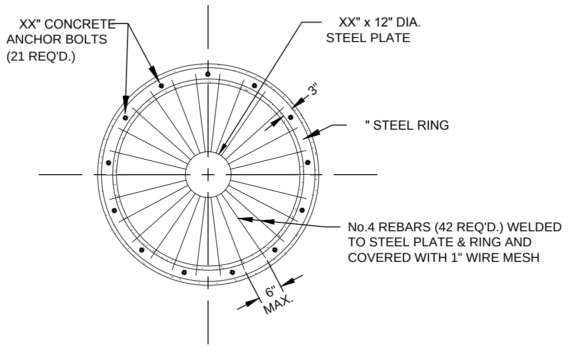
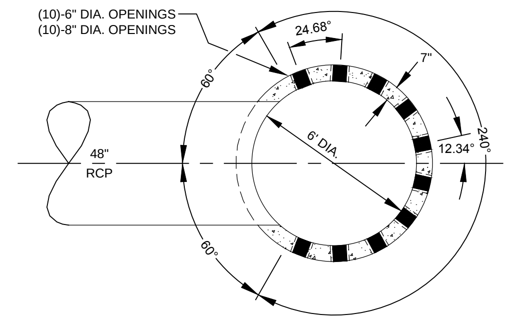
4383.91	J-09-Z, J-10-Z K-09-Z, K-10-Z	68	77

CONTROL NO. A302050
SHEET 10–8

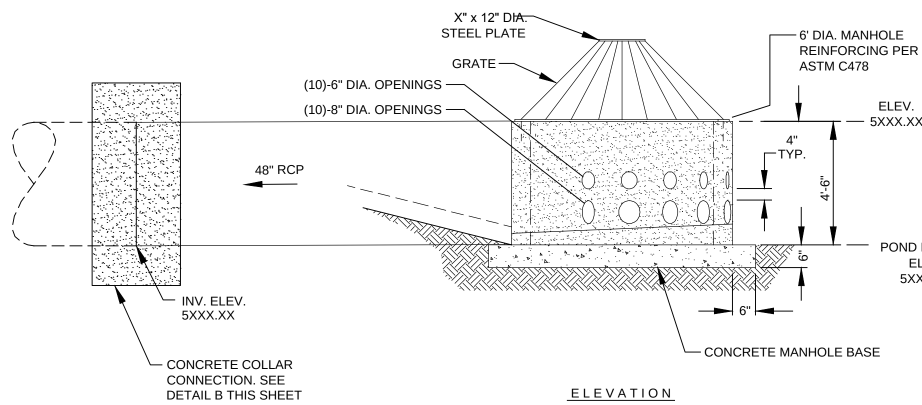


PLAN

GRATE DETAILS



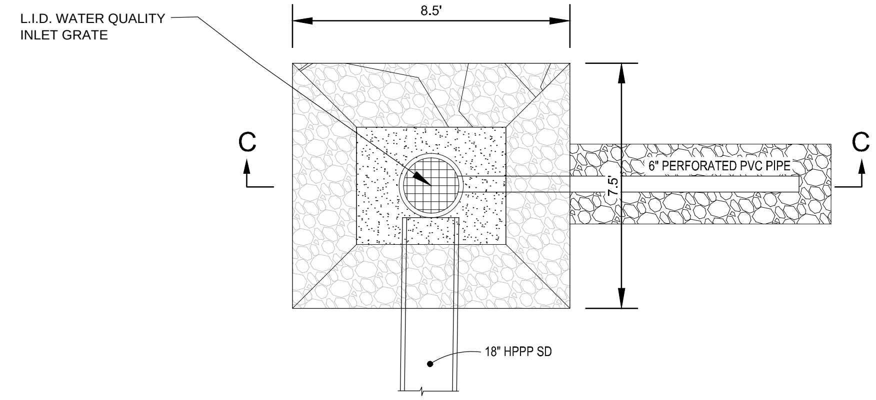
PLAN

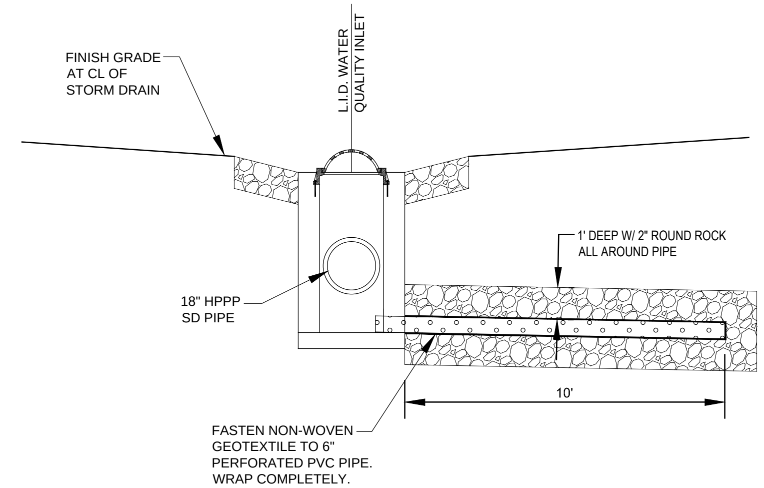


ELEVATION

NOTES
1. ALL CONCRETE SHALL BE 3,000 P.S.I. (@ 28 DAYS).
2. CONCRETE MANHOLE AND BASE ARE TO BE CAST MONOLITHICALLY.

STAND PIPE DETAIL (A)
N.T.S.





SECTION C-C

L.I.D. WATER QUALITY INLET (B)
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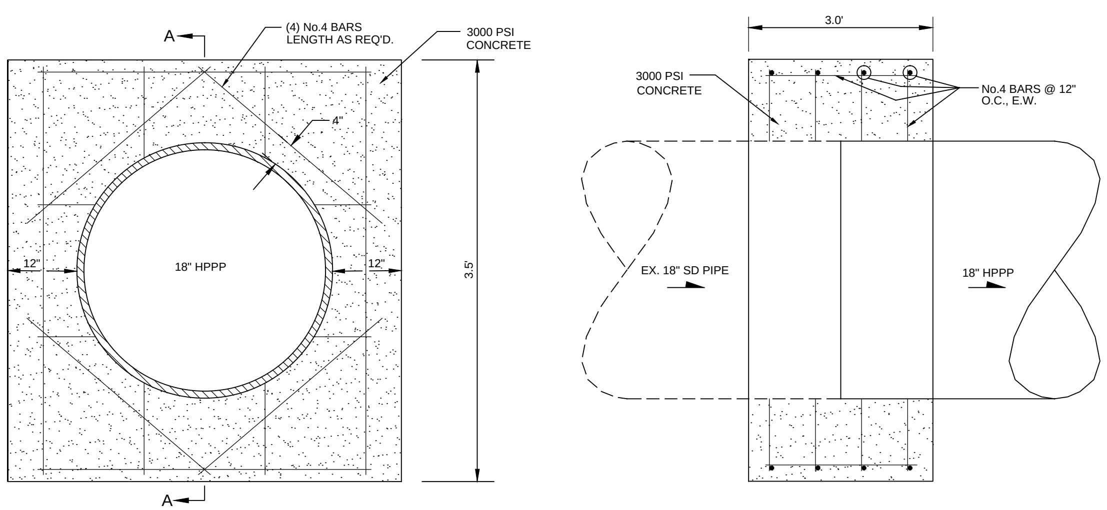

SECTION A-A

18" SD PIPE CONCRETE COLLAR CONNECTION (C)
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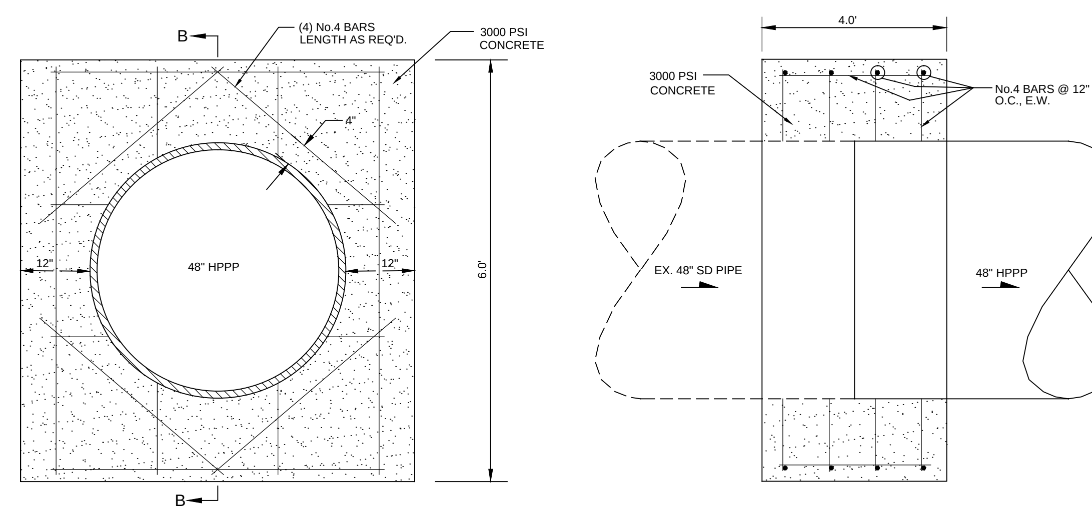

SECTION B-B

48" SD PIPE CONCRETE COLLAR CONNECTION (D)
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MICRO-FILM INFORMATION
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CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: UNSER BOULEVARD RECONSTRUCTION
STORM DRAIN DETAILS
---- TO ----

Design Review Committee	City Engineer	Last Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4383.91	J-09-Z, J-10-Z K-09-Z, K-10-Z	69	77

CONTROL NO. A302050 SHEET 10–9

STORM DRAINAGE POLYPROPYLENE PIPE
TECHNICAL SPECIFICATIONS

Table of Contents

PART 1 – GENERAL

1.1 Related Requirements

A. Section - Submittals: Shop Drawings, Product Data, and Samples

B. Section – Earth Moving: Excavation and Fill

1.2 Summary

A. This section includes gravity-flow storm drainage outside the building, with the following components:

a. Drainage piping, fittings, and accessories

1.3 Reference Standards

A. American Society for Testing and Materials (ASTM)

a. ASTM D2321 – Underground Installation of Thermoplastic Pipe for Sewers and Other Gravity-Flow Applications

b. ASTM D3212 – Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals

c. ASTM F477 – Elastomeric Seals (Gaskets) for Joining Plastic Pipe

d. ASTM F2736 – 6 to 30 in. (152 to 762 mm) Polypropylene (PP) Corrugated Single Wall pipe And Double Wall Pipe

e. ASTM F2764 – 30 to 60 in. [300 to 1500 mm] Polypropylene (PP) Triple Wall Pipe and Fittings for Non-Pressure Storm Sewer Applications

f. ASTM D1557 - Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft^3 (2,700 kN-m/m^3))

1.4 Definitions

A. PP – Polypropylene Pipe

B. Piping System: All products associated with the drainage system including but not limited to pipe, fittings, drainage structures, geotextile, best management practice products and storage systems.

1.5 Performance Requirements

All pipe supplied shall meet the minimum joint performance requirements as defined herein and as further defined in the joint performance requirements of this specification.

A. Watertight Gravity-Flow, Non-Pressure, Drainage-Piping shall pass a 10.8 psi (104kPa), laboratory pressure test for 10 minutes with no visible leaks at the

PART 2 — PRODUCTS

2.1 Corrugated Polypropylene (PP) Pipe

2.1.1 General

A. Twelve- through 30-inch (300 through 750 mm) pipe shall be polypropylene or pre-approved equal. Pipe supplied shall be smooth interior and annular exterior corrugated polypropylene (PP) pipe meeting the requirements of ASTM F2736 for respective diameters. The pipe supplied shall be watertight as defined in the joint performance requirements of this specification.

Thirty- through 60-inch (750 through 1500 mm) pipe shall be polypropylene or pre-approved equal. Pipe supplied shall be with annular inner corrugations and smooth interior and exterior surfaces, corrugated polypropylene (PP) pipe meeting the requirements of ASTM F2764 for respective diameters. The pipe supplied shall be watertight as defined in the joint performance requirements of this specification.

B. Virgin material for 12- through 60-inch pipe and fitting production shall be an impact modified copolymer meeting the material requirements of ASTM F2736 and ASTM F2764 for respective pipe diameters.

2.1.2 Joint Performance and Pipe Stiffness

Watertight joints shall be bell-and-spigot meeting the watertight requirements of ASTM F2736 and ASTM F2764. Gaskets shall be made of polyisoprene meeting the requirements of ASTM F477. Gaskets shall be installed by the pipe manufacturer and covered with a removable wrap to ensure the gasket is free from debris. A joint lubricant supplied by the manufacturer shall be used on the gasket and bell during assembly.

Pipe stiffness - Minimum pipe stiffness at 5% deflection shall meet the requirements per ASTM F2736 and ASTM F2764.

2.1.3 Fittings

A. Fittings shall conform to ASTM F2736 or ASTM F2764. Joint shall meet watertight joint performance requirements of ASTM D3212. Bell & spigot connections shall utilize a spun-on, welded or integral bell and spigot with gaskets meeting ASTM F477. Inserta tee type fittings shall be allowed upon approval by the Engineer.

B. Repair couplers may be utilized to connect field-cut pipe.

2.1.4 Installation

Pipe installation shall be in accordance with Section 3 of this specification and the product manufacturer's published installation guides.

joint or pipe wall. Piping shall pass same tests as above but with an axial joint misalignment of not less than 1 degree.

1.6 Submittals

The following shall be submitted by contractor in accordance with this technical specification.

Submittal Procedures:

A. Product Data for the following:

a. Pipe and Fittings

1. Product specifications

2. Installation procedures

B. Products submitted as approved equal must be submitted at least 2 weeks prior to project bid opening and must be approved by project engineer. Submittal for approved equal product must contain a signed letter from an executive officer of the manufacturer stating product is equivalent to all applicable requirements of this specification and shall include all items listed in section 1.6 of this specification.

1.7 Delivery, Storage, and Handling

A. All pipe and fittings shall be delivered to the site and unloaded with handling that conforms to the manufacturer's instructions for reasonable care. Pipe shall not be rolled or dragged over gravel or rock during handling. The Contractor shall take necessary precautions to ensure the method used in lifting or placing the pipe does not induce undue stress fatigue in the pipe.

PART 2 — PRODUCTS

2.1 Corrugated Polypropylene (PP) Pipe

2.1.1 General

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2.1.4 Installation

Pipe installation shall be in accordance with Section 3 of this specification and the product manufacturer's published installation guides.

Page 4 of 11

PART 3 — EXECUTION

3.1 Earthwork

A. Excavation, trenching, and backfilling shall be as specified in Section titled "Excavation and Fill."

3.2 Identification

A. For all stormwater and subsurface drainage piping, install warning tape directly over pipe and at outside edges of underground structures.

a. Detectable warning tape shall be installed over nonferrous piping and over edges of underground structures.

3.3 Piping Inspection

3.3.1 General

A. Piping, fittings, and drainage structures shall be inspected prior to installation and any defective or damaged product shall be replaced.

3.3.2 Corrugated Polypropylene Pipe and Fittings

A. Any pipe, fittings, or drainage structures with cuts, punctures, or other damage on the interior or exterior shall be rejected and replaced.

B. Any pipe, fittings or drainage structures with damaged ends or joints, which would prevent proper sealing of the joints, shall be rejected and replaced.

3.4 Piping, Fitting, and Drainage Structure Installation

3.4.1 General

A. General Locations and Arrangements: Drawing plans and details indicate general location and arrangement of underground storm and drainage piping system. Location and arrangement of piping layout take design considerations into account. Install piping system as indicated herein and as directed by the product manufacturer, to extent practical. Where specific installation procedure is not indicated, follow product manufacturer's written instructions.

B. All products shall be inspected for defects and cracks before being lowered into the trench, piece by piece. Any defective, damaged or unsound pipe, fitting or drainage structure or any product that has had its grade disturbed after laying, shall be taken up and replaced. Open ends shall be protected with a pipe plug to prevent earth or other material from entering the pipe during construction. The interior of the pipe shall be free from dirt, excess water and other foreign materials as the pipe laying progresses and left clean at the completion of the installation.

C. Install piping system beginning at low point, true to grades and alignment indicated with unbroken continuity of invert. Place bell ends of piping facing upstream. Install gaskets, seals, sleeves, and couplings according to manufacturer's written instructions. Follow product manufacturer's instructions for the use of lubricants, cements, and other special installation requirements.

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CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

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DRAINAGE DETAILS

Design Review Committee	City Engineer	Last Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4383.91	J-09-Z, J-10-Z K-09-Z, K-10-Z	70	77

CONTROL NO. A302050 SHEET 10-10

60% SUBMITTAL

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D. Use Manholes or Catch Basins for changes in direction, unless fittings are indicated. Use fittings for branch connections, unless direct tap into existing sewer is indicated.

E. Use proper size increasers, reducers, and couplings where different sizes or materials of pipes and fittings are connected. Reducing size of piping in direction of flow is prohibited.

3.4.2 Trench Excavation

3.4.2.1 Excavation

A. Excavate trenches to ensure that sides will be stable under all working conditions. Slope trench walls or provide supports in conformance with all local and national standards for safety. Open only as much trench as can be safely maintained by available equipment. Backfill all trenches as soon as practicable.

B. Where trench walls are stable or supported, provide a width sufficient, but no greater than necessary, to ensure working room to properly and safely place and compact haunching and other embedment materials. The space between the pipe and trench wall must be wider than the compaction equipment used in the pipe zone. Minimum width shall be not less than the greater of either the pipe outside diameter plus 16 in. or the pipe outside diameter times 1.25, plus 12 in. In addition to safety considerations, trench width in unsupported, unstable soils will depend on the size and stiffness of the pipe, stiffness of the embedment and in-situ soil, and depth of cover.

C. When supports such as trench sheeting, trench jacks, trench shields or boxes are used, ensure that support of the pipe and its embedment is maintained throughout installation. Ensure that sheeting is sufficiently tight to prevent washing out of the trench wall from behind the sheeting. Provide tight support of trench walls below viaducts, existing utilities, or other obstructions that restrict driving of sheeting.

3.4.2.2 Dewatering

A. Do not lay or embed pipe fittings or drainage structures in standing or running water. At all times prevent runoff and surface water from entering the trench.

B. When water is present in the work area, dewater to maintain stability of in-situ and imported materials. Maintain water level below pipe bedding and foundation to provide a stable trench bottom. Use, as appropriate, sump pumps, well points, deep wells, geofabrics, perforated underdrains, or stone blankets of sufficient thickness to remove and control water in the trench. When excavating while depressing ground water, ensure the ground water is below the bottom of cut at all times to prevent washout from behind sheeting or sloughing of exposed trench walls. Maintain control of water in the trench before, during, and after pipe system installation and until embedment is installed and sufficient backfill has been placed to prevent flotation of the pipe, fitting, or drainage structures. To preclude loss of soil support, employ dewatering methods

that minimize removal of fines and the creation of voids in in-situ materials.

3.4.2.3 Removal of Rock

A. Rock in either ledge or boulder formation shall be replaced with suitable materials to provide a compacted earth cushion having a thickness between exposed rock and the pipe of at least 12 inches (0.3m). Where Bell-and-Spigot pipe is used, the cushion shall be maintained under the bell as well as under the straight portion of the pipe.

3.4.2.4 Removal of Unstable Material

A. Where wet or otherwise unstable soil incapable of properly supporting the pipe system, as determined by the Engineer, is encountered in the bottom of a trench, such material shall be removed to at least 24 inches below bottom of pipe and replaced to the proper grade with select granular material, compacted as directed by the engineer. When removal of unstable material is due to the fault or neglect of the Contractor while performing shoring and sheeting, water removal, or other specified requirements, such removal and replacement shall be performed at no additional cost to the Owner.

3.4.3 Bedding

A. A stable and uniform bedding shall be provided for the pipe and any protruding features of its joint and/or fittings. The middle of the bedding, equal to one-third of the pipe outside diameter, shall be loosely placed while the remainder shall be compacted to a minimum of 90% of maximum density per ASTM D1557, or as shown in the plans. Pipe bedding shall be a minimum of 4" – 6" in thickness. The bedding surface for the pipe shall provide a firm foundation of uniform density throughout the entire length of the pipe.

3.4.4 Placing Pipe

A. Each pipe shall be thoroughly examined before being laid; defective or damaged pipe shall not be used. Pipelines shall be laid to the grades and alignment indicated. Proper facilities shall be provided for lowering sections of pipe into trenches. Pipe shall not be laid in water, and the pipe shall not be laid when trench conditions or weather are unsuitable for such work. Diversion of drainage or dewatering of trenches shall be provided as directed by the engineer; see dewatering section.

3.4.5 Jointing

A. Joints shall be constructed as described herein and in accordance with manufacturer's installation instructions.

B. All Bell-and-Spigot pipe joints shall be thoroughly cleaned. Joint lubricant, supplied by the manufacturer, shall be liberally applied to entire interior of bell and gasket on spigot prior to assembly.

3.4.6 Backfilling

3.4.6.1 General

Backfill placement and compaction shall be constructed in accordance with the specifications herein and the product manufacturer's published installation guides.

3.4.6.2 Backfilling Pipe in Trenches

After the pipe and pipe system have been properly bedded, selected material from excavation or borrow, at a moisture content that will facilitate compaction, shall be placed along both sides of pipe in layer depths to ensure minimum compaction density is obtained evenly throughout the backfill material. The backfill shall be brought up evenly on both sides of pipe and pipe system for the full length of pipe. The fill shall be thoroughly compacted under the haunches of the pipe. Each layer shall be thoroughly compacted with mechanical tampers or rammers. This method of filling and compacting shall continue until the fill has reached the top of the pipe. The remainder of the trench shall be backfilled and compacted by spreading and rolling or compacted by mechanical rammers or tampers. Tests for density shall be made as necessary to ensure conformance to the compaction requirements specified below.

3.4.6.3 Backfilling Pipe in Fill Sections

For pipe placed in fill sections, fill shall be constructed to at least 6 inches above the top of proposed pipe prior to trench excavation. Fill shall be placed in 12 inch lifts and shall be compacted to achieve 90% of maximum density, or as shown on plans. Once fill is placed and compacted pipe trench shall be constructed in accordance with the Trench Excavation section of this specification.

3.4.6.4 Movement of Construction Machinery

When compacting by rolling or operating heavy equipment parallel with the pipe, displacement of or injury to the pipe shall be avoided. Movement of construction machinery over a culvert or storm drain at any stage of construction shall be at the Contractor's risk. Any damaged pipe shall be repaired or replaced.

3.4.6.5 Compaction

3.4.6.5.1 General Requirements

Non-cohesive materials include gravels, gravel-sand mixtures, sands, and gravelly sands. Cohesive materials include clayey and silty gravels, gravel-silt mixtures, clayey and silty sands, sand-clay mixtures, silts, and very fine sands. When results of compaction tests for moisture-density relations are recorded on graphs, non-cohesive soils will show straight lines or reverse-shaped moisture-density curves, and cohesive soils will show normal moisture-density curves.

3.4.6.5.2 Minimum Density

Backfill over and around the pipe and backfill around and adjacent to drainage structures shall be compacted at the approved moisture content to the following applicable minimum density, which will be determined as specified below.

a. Under airfield and heliport pavements, paved roads, streets, parking areas, and similar-use pavements including adjacent shoulder areas, the density shall be not less than 90 percent of maximum density as determined by ASTM D 1557, up to the elevation where requirements for pavement subgrade materials and compaction shall control.

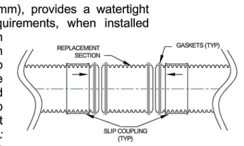
3.4.6.6 Determination of Density

Testing shall be performed by an approved commercial testing laboratory or by the Contractor subject to approval by the Engineer. Tests shall be performed in sufficient number to ensure that specified density is being obtained. Laboratory tests for moisture-density relations shall be made in accordance with ASTM D1557 except that mechanical tampers shall be used provided the results are correlated with those obtained with the specified hand tamper. Field density tests shall be determined in accordance with ASTM D2167 or ASTM D2922. Test results shall be furnished to the Engineer.

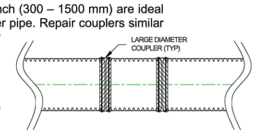
3.5 Repair Methods

3.5.1 External Methods

Slip Couplings 12- through 30-inch (300 – 750 mm), provides a watertight repair that will meet most pressure testing requirements, when installed correctly. The slip coupling uses PVC bells with gaskets. The gaskets are placed in the valleys on either side of the section to be repaired and slip couplings are then slid over the gaskets. Due to the exterior gasket, the slip coupling can only be used on pipe with a corrugated exterior. PVC slip couplings are most commonly used with watertight smooth interior thermoplastic pipe products. *Note: This repair method cannot be used with the triple wall, smooth exterior profile pipe.*

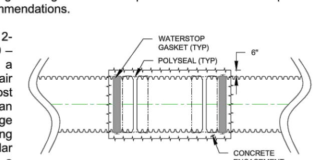


Large Diameter Repair Coupler 12- through 60-inch (300 – 1500 mm) are ideal for repairs and alterations of large diameter sewer pipe. Repair couplers similar to those provided by Mission Rubber Company LLC, Fernco® or equal may be used on HP pipe.



The couplers are used by removing the damaged section of pipe, replacing it with a new section and then sliding the coupler back around the

joint, similar to the slip coupling above. The couplers stainless steel bands are then tightened to the manufactures recommendations. These rubber couplings are capable of meeting watertight field test requirements when installed per the manufacturer's recommendations.



Concrete Collar 12- through 60-inch (300 – 1500 mm), provides a water tight repair testable to most hydrostatic test with an appropriate leakage requirement. Installing a concrete collar involves building a form around the area to be repaired and encasing it in concrete. A *Mar Mac Polyseal Pipe Coupler* is wrapped around the repair area or joint prior to pouring the collar to keep the concrete from seeping into the pipe. *WaterStop* gaskets are installed outside of the *Polyseal* coupler towards the outside edge of the concrete collar. Typically, approximately 6" (0.15m) is excavated beneath the pipe to allow for proper application of the *Polyseal* coupler and concrete encasement. If the pipe itself is damaged, the damaged area shall be removed and a replacement pipe section spliced in prior to pouring the collar. This repair option may be employed for either dual wall or triple wall sanitary pipe.

3.5.2 Internal Methods

Internal mechanical repair products generally consist of a flexible cylindrical gasket sleeve, which is expanded to conform to the inner wall of the pipe. The feasibility of this repair method depends on the size of the damaged section or joint and available access into the pipe. Internal mechanical seals slightly restrict the inside diameter of the pipe. This should be considered when assessing the risk of debris obstruction.

NPC Internal Joint Seal, 18- through 60-inch (450 – 1500 mm), consists of an EPDM rubber seal and stainless steel bands. The rubber seal is inserted into the pipe and positioned over the joint. A torque wrench is used to expand the bands against the inner wall of the pipe. The Internal Joint Seal is designed to seal joints – not repair damaged pipe sections. The damaged area of the pipe must be removed and a replacement section spliced in if necessary in order to use the Internal Joint Seal. This system may provide a watertight joint when installed as recommended. The manufacture should be contacted to verify the product meets the specific application requirements including test requirements, if specified. If pressure tests are required, NPC should be contacted to ensure that the product is suitable for the specific test criteria.

Welding, 36- through 60-inch (900 – 1500 mm), is another method of internal joint repair where personnel use hand-held welding guns to make the needed repair. Extrusion welding techniques are most commonly utilized; however other welding methods may be used depending on the condition of the damage. Clean and dry working conditions and skilled operators are critical to a successful repair. Contact ADS to discuss the type of damage and to assess if a welded repair will be suitable.

Link Pipe Grouting Sleeve™*,* 12- through 60-inch (100 – 1500 mm), is a stainless steel grouting sleeve that is installed with an inflatable plug. The sleeve may be used to seal a joint or repair short sections of damaged pipe. The manufacture should be contacted to verify the product meets the specific application requirements including test requirements, if specified.

Internal chemical sealing is another method of internal joint repair using chemically activated gel or grout to minimize joint leakage. The grout is typically applied with specialized remote-controlled equipment. Test/seal packer is used to remotely seal a joint. The grouting chemicals are forced through the joint out into the surrounding soil where they gel with the soil. The gelled mass forms a waterproof collar around the pipe. The result is significantly reduced leakage. There are several types of chemical grouts available and the manufacturer should be contacted to review the specific situation and any joint tightness or pressure test criteria. Companies such as Avanti International, Strata Tech Inc., and Carylon Corporation manufacture and/or install chemical grout. Stephen's Technologies *New Life Coatings* and *NewLife Liner Systems* as well as Avast Hydro-Lining International, are examples of companies that offer cured in place epoxy lining systems that have been effectively used with HDPE pipe. Most pipe diameters can be chemically grouted provided the grouting contractor has the appropriate equipment.

SPECIAL NOTE

PIPE REPAIRS REQUIRE CITY OF ALBUQUERQUE APPROVAL PRIOR TO ANY WORK AND SHALL BE ANNOTATED ON AS-BUILT DRAWINGS.

Know what's below. Call before you dig.
TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

60% SUBMITTAL

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY / INSPECTOR'S ACCEPTANCE BY / FIELD VERIFICATION BY / DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE

BENCH MARKS
FOUND MONUMENT "7_K10"
STANDARD 3 1/4" ALUMINUM DISC
NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1983)
N=1,483,739.165
E=1,498,962.651
PUBLISHED EL=5097.654 (NAVD 1988)
GROUND TO GRID FACTOR=0.999683006
MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
PRELIMINARY
NOT FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.
FOR REVIEW ONLY.
SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

NO. | DATE | REMARKS | BY
REVISIONS
DESIGN
DESIGNED BY: GM — DATE: DEC. 16, 2016
DRAWN BY: LRT — DATE: DEC. 16, 2016
DWG NAME: 10-10 SD DET.dwg — PROJ #: R304101.01
CHECKED BY: SAE — DATE: DEC. 16, 2016

Designed By:
HUITT-ZOLLARS
Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:
UNSER BOULEVARD RECONSTRUCTION
DRAINAGE DETAILS

Design Review Committee	City Engineer	Last Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4383.91
Zone Map No. J-09-Z, J-10-Z, K-09-Z, K-10-Z
Sheet 71 Of 77

CONTROL NO. A302050
SHEET D-11

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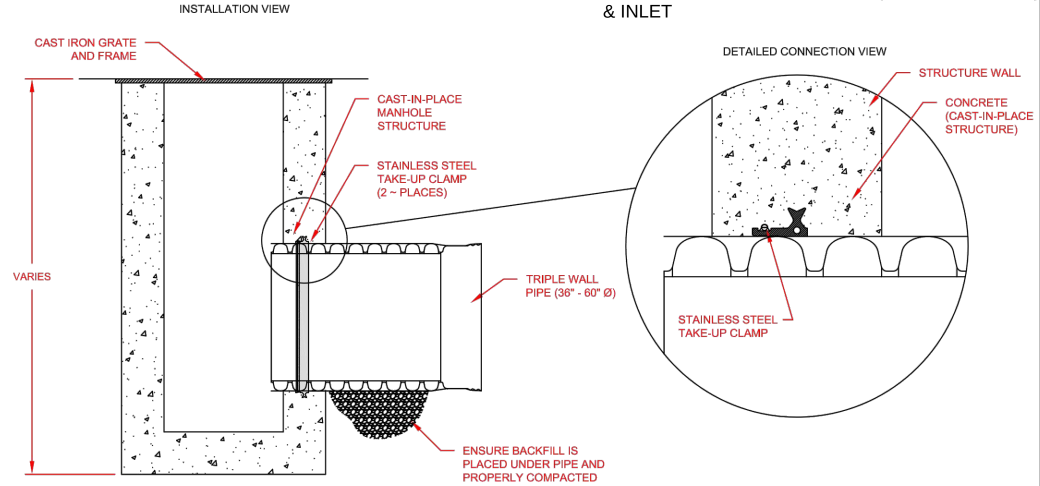
30"-60" WATERSTOP GROUTED MANHOLE CONNECTION (**TRIPLE WALL**) & INLET



PIPE SIZE (IN)	PIPE OD (IN)	"A" MIN. HOLE Ø (IN)
36	41.1	46.0
42	47.2	52.5
48	53.8	60.0
60	66.5	72.5

WS-30 WATERSTOP GROUT RING is a product of Press-Seal Gasket Corporation (www.press-seal.com)

NOTES:

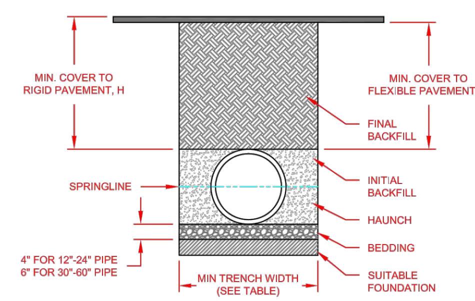
PERFORMANCE HIGHLY DEPENDENT ON INSTALLATION. CONTRACTOR MUST ENSURE MANHOLE GASKET IS UNIFORMLY SEATED AROUND STRUCTURE ADAPTER. EXTRA PRECAUTIONS MUST BE TAKEN TO PREVENT DIFFERENTIAL SETTLEMENT BETWEEN THE PIPE AND MANHOLE.

THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION. IT IS THE DESIGN ENGINEERS RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN MEETS OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.

COA WATERSTOP GROUTED MANHOLE CONNECTION 36" - 60" DETAIL

DRAWN BY: ABC | DATE: DATE | CK'D BY: ENG | SCALE: NTS | SHEET: OF

STORM TRENCH INSTALLATION DETAIL



NOTES:

1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST ADDITION, WITH THE EXCEPTION THAT THE INITIAL BACKFILL MAY EXTEND TO THE CROWN OF THE PIPE. SOIL CLASSIFICATIONS ARE PER THE LATEST VERSION OF ASTM D2321. CLASS IVB MATERIALS (MH, CH) AS DEFINED IN PREVIOUS VERSIONS OF ASTM D2321 ARE NOT APPROPRIATE BACKFILL MATERIALS.

2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.

3. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.

4. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II,OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. COMPACTION SHALL BE 90% OF MAXIMUM DENSITY PER ASTM D1557 OR AS SHOWN ON THE PLANS. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 12"-24" (300mm-600mm) DIAMETER PIPE; 6" (150mm) FOR 30"-60" (750mm-900mm) DIAMETER PIPE. THE MIDDLE 1/3 BENEATH THE PIPE INVERT SHALL BE LOOSELY PLACED.

5. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II, OR III IN THE PIPE ZONE EXTENDING TO THE CROWN OF THE PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION. FOR TRAFFIC APPLICATIONS; CLASS I, II OR III MATERIAL SHALL BE COMPACTED TO A DENSITY OF NOT LESS THAN 90 PERCENT OF MAXIMUM DENSITY PER ASTM D1557. CLASS IV MATERIALS AS DEFINED IN ASTM D2321 ARE NOT APPROPRIATE BACKFILL MATERIALS.

6. MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" (300mm) FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOTATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" (300mm) UP TO 48" (1200mm) DIAMETER PIPE AND 24" (600mm) OF COVER FOR 60" (1500mm) DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

TABLE 1, RECOMMENDED MINIMUM TRENCH WIDTHS

PIPE DIAM.	MIN TRENCH WIDTH
12" (300mm)	30" (750mm)
15" (375mm)	34" (860mm)
18" (450mm)	39" (990mm)
24" (600mm)	48" (1200mm)
30" (750mm)	56" (1420mm)
36" (900mm)	64" (1620mm)
42" (1050mm)	72" (1830mm)
48" (1200mm)	80" (2030mm)
60" (1500mm)	96" (2440mm)

TABLE 2, MINIMUM RECOMMENDED COVER BASED ON VEHICLE LOADING CONDITIONS

	SURFACE LIVE LOADING CONDITION	
PIPE DIAM.	H-25	HEAVY CONSTRUCTION (75T AXLE LOAD) *
12" - 48" (300mm - 1200mm)	12" (300mm)	48" (1200mm)
60" (1500mm)	24" (600mm)	60" (1500mm)

* VEHICLES IN EXCESS OF 75T MAY REQUIRE ADDITIONAL COVER

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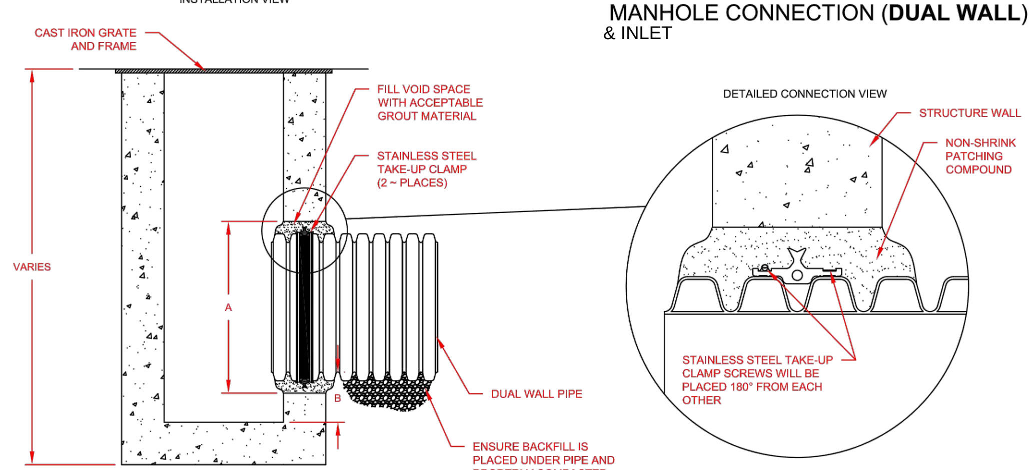
COA HP PP STORM TRENCH INSTALLATION DETAIL

ABC | DATE | ENG | NTS | OF

12"-60" WATERSTOP GROUTED MANHOLE CONNECTION (**DUAL WALL**) & INLET



PIPE SIZE (IN)	PIPE OD (IN)	"A" MIN. HOLE Ø (IN)	"B" MIN. DISTANCE PIPE INVERT TO STRUCUTRE INVERT (IN)
12	14.5	19.50	3.7
15	17.6	23.00	4.0
18	21.2	26.50	4.2
24	27.8	33.25	4.5
30	35.1	40.50	5.2
36	41.1	47.00	5.5
42	47.7	53.00	5.7
48	53.6	59.00	5.7
60	66.3	72.00	6.4

NOTES:

PERFORMANCE HIGHLY DEPENDENT ON INSTALLATION. CONTRACTOR MUST ENSURE MANHOLE GASKET IS UNIFORMLY SEATED AROUND STRUCTURE ADAPTER. EXTRA PRECAUTIONS MUST BE TAKEN TO PREVENT DIFFERENTIAL SETTLEMENT BETWEEN THE PIPE AND MANHOLE.

THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION. IT IS THE DESIGN ENGINEERS RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN MEETS OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.

COA WATERSTOP GROUTED MANHOLE CONNECTION DETAIL

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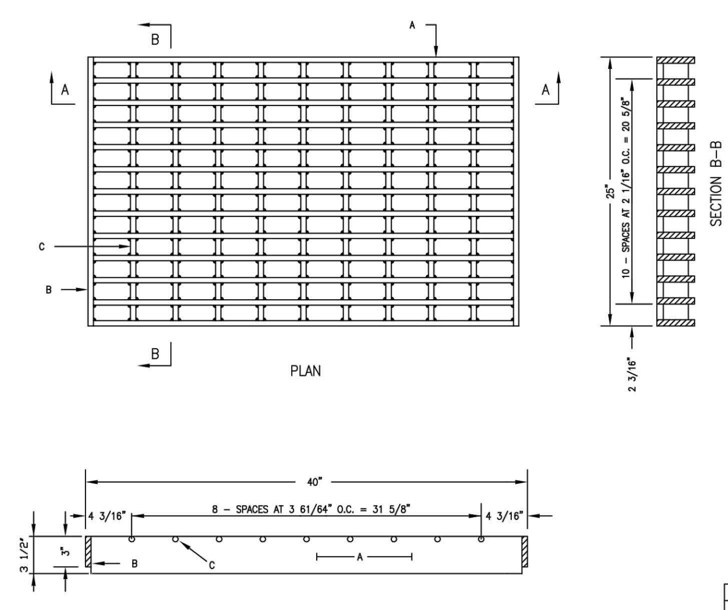

GENERAL NOTES:

1. ALL BARS SHALL BE STRUCTURAL GRADE STEEL, GRADE A36.
2. THE GRATE SHALL BE WELDED WITH 1/8" FILLET WELD AROUND BOTH SIDES OF CROSS BARS, 1/4". FILLET WELD BOTH SIDES OF BEARING BARS TO END BARS.
3. AFTER CLEANING SURFACE OF SCALE, RUST, OILS, ETC., PAINT GRATE WITH ONE SHOP COAT RED OXIDE, TWO FINISH COATS ALUMINUM PAINT (AASHTO M 69).
4. TOP OF CROSS BARS SHALL BE FLUSH WITH TOP OF GRATE.
5. GRIND WELDS FLUSH WITH BEARING BARS.
6. WHEN INSTALLED IN FRAME, PUSH TIGHT TO ONE SIDE, OTHER SIDE SHALL HAVE 1/2" MAX. OPENING. SPACERS WELDED TO FRAME MAY BE USED IF REQUIRED TO KEEP 1/2" SPACE OR LESS.

CONSTRUCTION NOTES:

A. BEARING BARS, (13) 1/2" X 3 1/2" X 39".
B. END BARS, (2) 1/2" X 3" X 25".
C. CROSS BARS, (9) 1/2" DIA. X 24".

REVISIONS

CITY OF ALBUQUERQUE
DRAINAGE
STORM INLET
ALBUQUERQUE GRATE
DWG. 2220–MODIFIED
FEB. 2014

AS BUILT INFORMATION

CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

FOUND MONUMENT "7_K10"
STANDARD 3 1/4" ALUMINUM DISC
NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1983)
N=1,483,739.165
E=1,498,962.651
PUBLISHED EL=5097.854 (NAVD 1988)
GROUND TO GRID FACTOR=0.999683006
MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL

PRELIMINARY
NOT FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES. FOR REVIEW ONLY.
SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

NO. | DATE | REMARKS | BY
REVISIONS
DESIGN
DESIGNED BY: GM DATE: DEC. 16, 2016
DRAWN BY: LRT DATE: DEC. 16, 2016
DWG NAME: 10-10 SD DET.dwg PROJ #: R304101.01
CHECKED BY: SAE DATE: DEC. 16, 2016

nm811 Know what's below. Call before you dig.
TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

Designed By:
HUITT-ZOLLARS
Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:
UNSER BOULEVARD RECONSTRUCTION
DRAINAGE DETAILS

60% SUBMITTAL

Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.

Last Update

City Project No. 4383.91 | Zone Map No. J-09-Z, J-10-Z K-09-Z, K-10-Z | Sheet 72 Of 77

CONTROL NO. A302050 SHEET 10-12

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H:\proj\R304101.01 Unser\10 CADD & BIM\Sheet Set\10-10 SD DET.dwg
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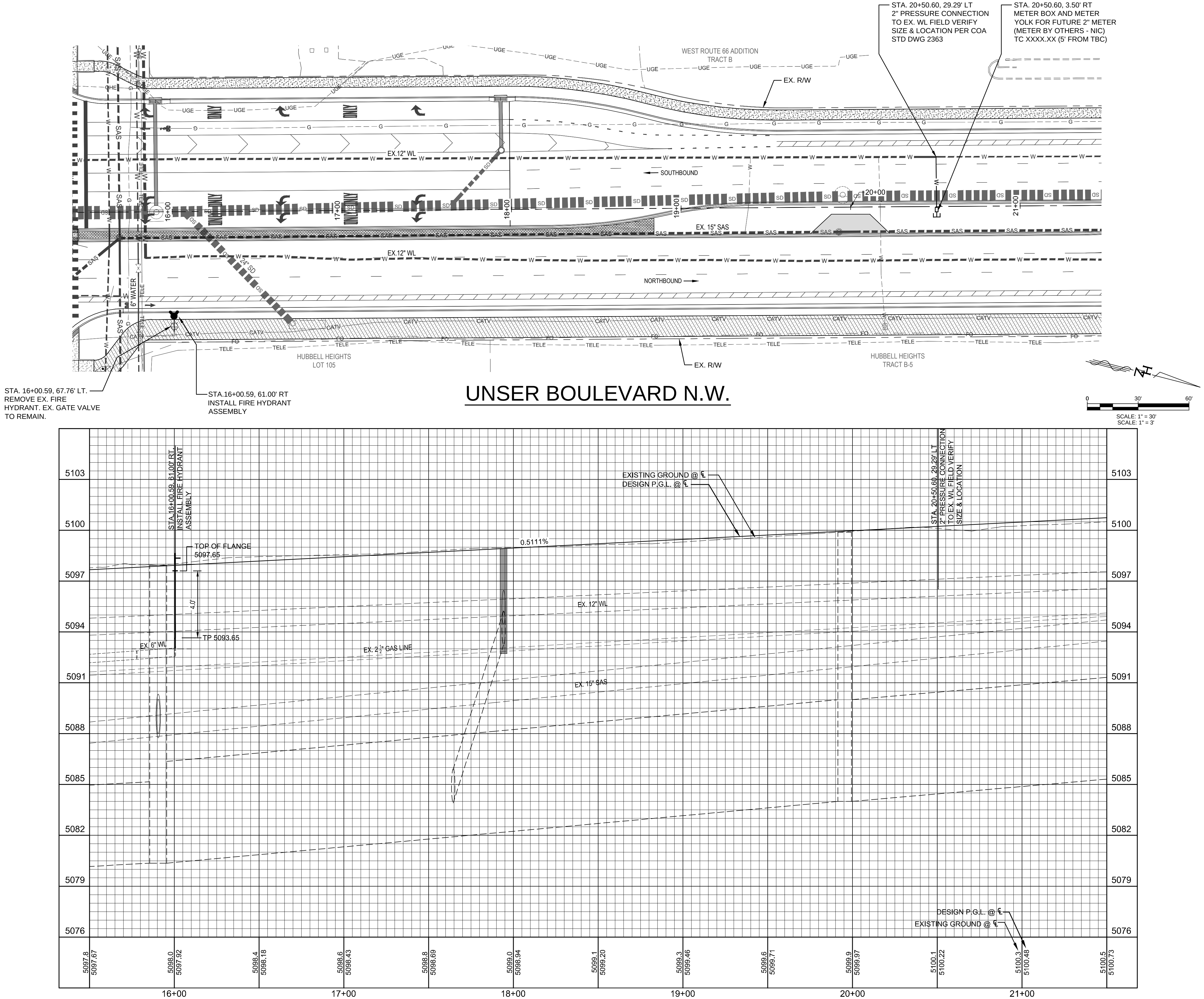

60% SUBMITTAL

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY
INSPECTOR'S ACCEPTANCE BY
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY
NO.

BENCH MARKS
FOUND MONUMENT "7_K10"
STANDARD 3 1/4" ALUMINUM DISC
NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1983)
N=1,483,739.165
E=1,498,962.651
PUBLISHED EL=5097.854 (NAVD 1988)
GROUND TO GRID FACTOR=0.999663006
MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
PRELIMINARY
NOT FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.
FOR REVIEW ONLY.
SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

NO. DATE REVISIONS REMARKS BY
DESIGN
DESIGNED BY: GM DATE: DEC. 16, 2016
DRAWN BY: LRT DATE: DEC. 16, 2016
DWG NAME: 11-1_UTIL_P&P-50.dwg PROJ #: R304101.01
CHECKED BY: SAE DATE: DEC. 16, 2016

nm811
Know what's below. Call before you dig.
TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

Designed By:
HUITT-ZOLLARS
Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: UNSER BOULEVARD RECONSTRUCTION
UTILITY PLAN & PROFILE
STA. 16+00.00 TO STA. 21+00.00

Design Review Committee	City Engineer	Last Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4383.91 | Zone Map No. J-09-Z, J-10-Z, K-09-Z, K-10-Z | Sheet 73 Of 77

CONTROL NO. A302050 SHEET 11–1

Plotted: 1/12/2017 2:18:24 PM, By:Eddings, Scott
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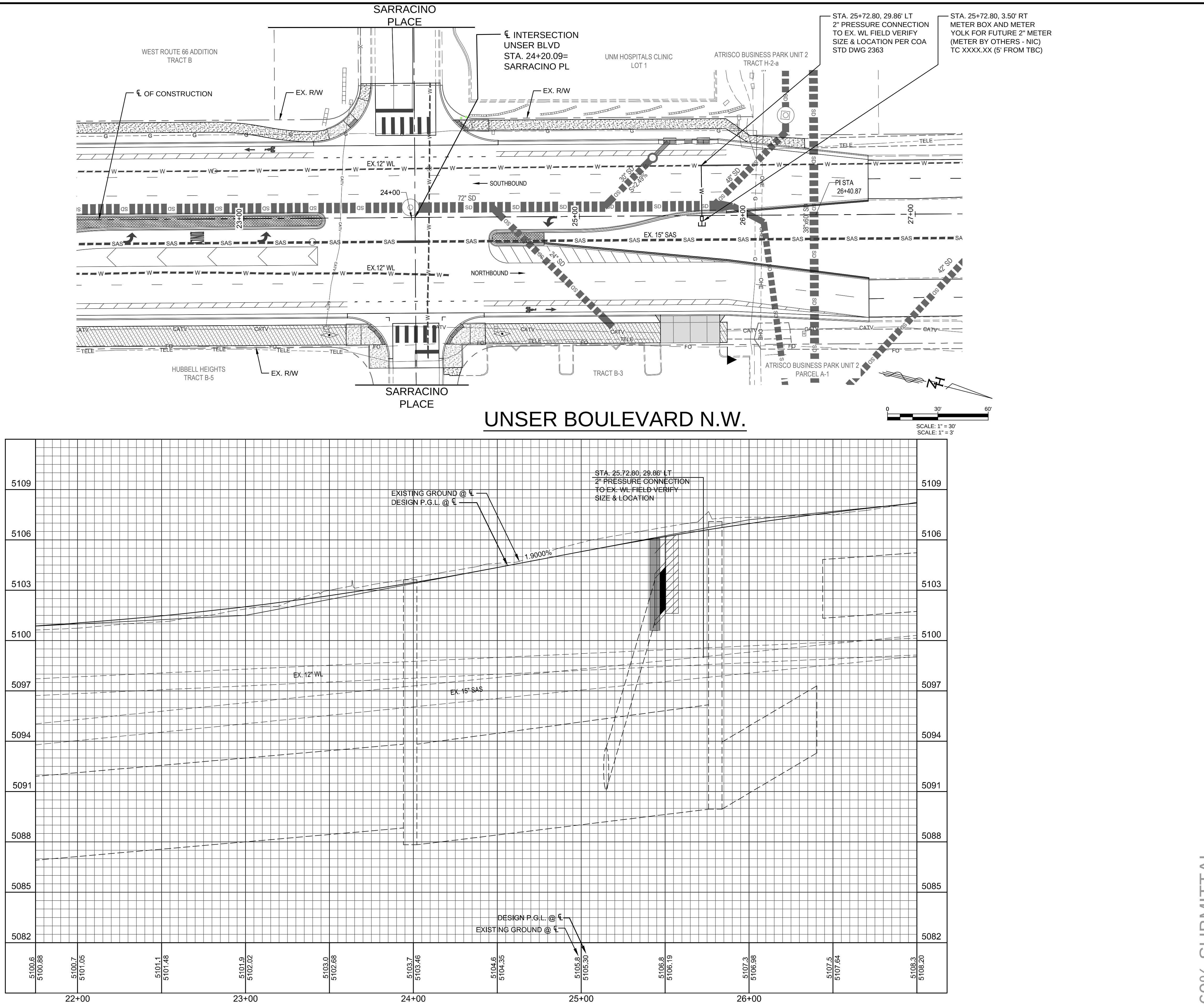

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Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

AS BUILT INFORMATION
CONTRACTOR | DATE
WORK STAKED BY | DATE
INSPECTOR'S ACCEPTANCE BY | DATE
FIELD VERIFICATION BY | DATE
DRAWINGS CORRECTED BY | DATE

MICRO-FILM INFORMATION
RECORDED BY | DATE
NO.

BENCH MARKS
FOUND MONUMENT "7_K10"
STANDARD 3 1/4" ALUMINUM DISC
NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1983)
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PUBLISHED EL=5097.654 (NAVD 1988)
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MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
PRELIMINARY
NOT FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES. FOR REVIEW ONLY.
SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC. Consulting Engineers

REVISIONS
NO. | DATE | REMARKS | BY

DESIGN
DESIGNED BY: GM | DATE: DEC. 16, 2016
DRAWN BY: LRT | DATE: DEC. 16, 2016
DWG NAME: 11-1_UTIL_P&P-50.dwg | PROJ #: R304101.01
CHECKED BY: SAE | DATE: DEC. 16, 2016

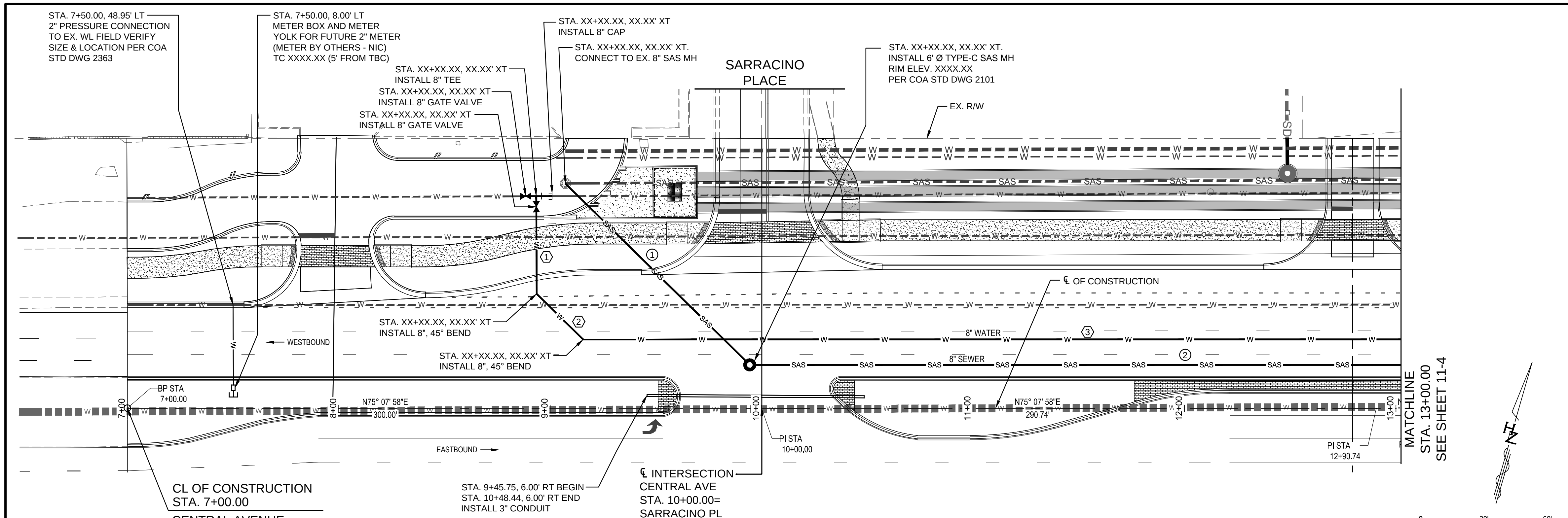
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: UNSER BOULEVARD RECONSTRUCTION
UTILITY PLAN & PROFILE
STA. 22+00.00 TO STA. 26+72.14

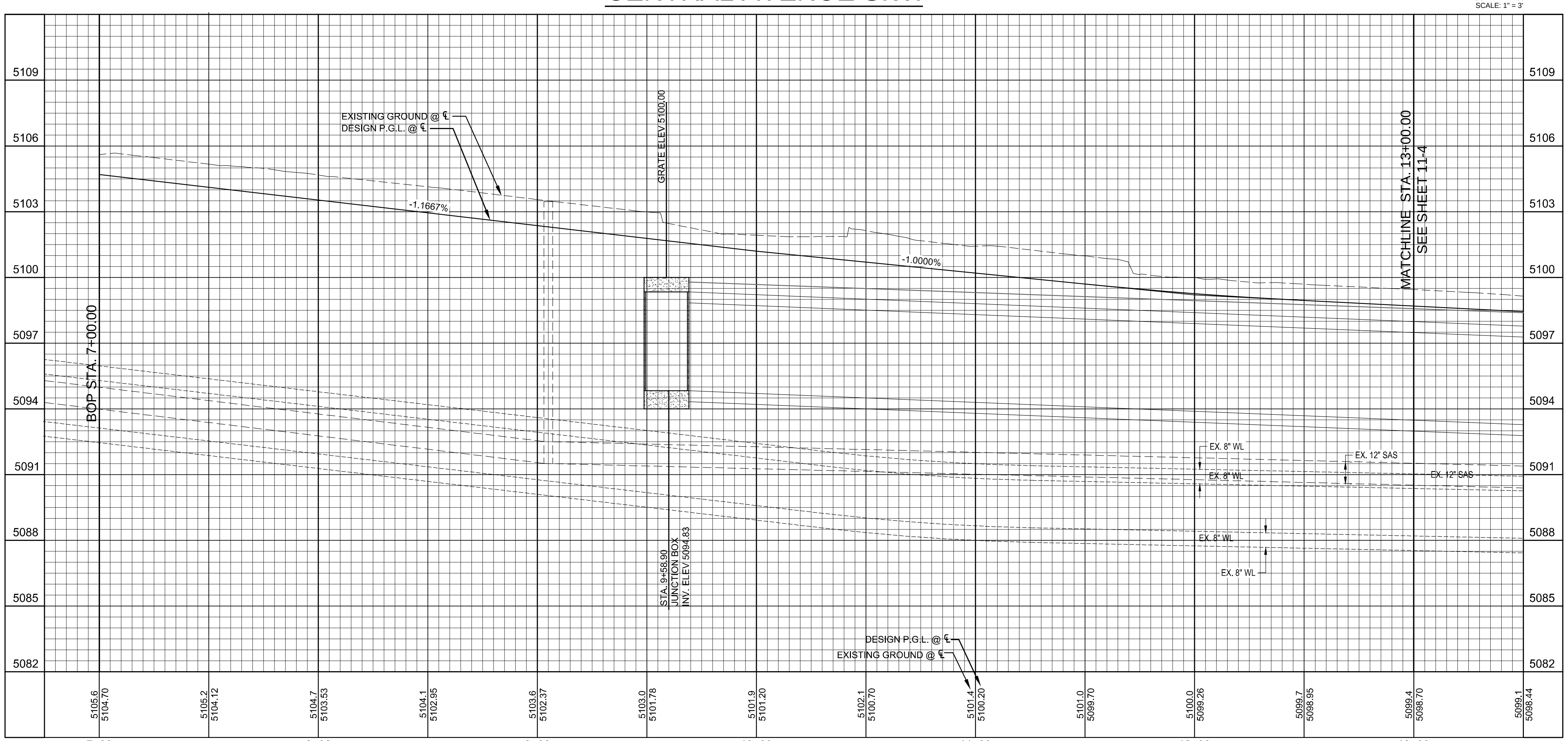
Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.
		Last Update	

City Project No. 4383.91
Zone Map No. J-09-Z, J-10-Z, K-09-Z, K-10-Z
Sheet 74 Of 77

CONTROL NO. A302050
SHEET 11-2



CENTRAL AVENUE S.W.



60% SUBMITTAL

WATER LINE DATA

	BEARING	LENGTH
1	X XX°XX'XX" X	XX.XX
2	X XX°XX'XX" X	XX.XX

SEWER LINE DATA

	BEARING	LENGTH
X	X XX°XX'XX" X	XXX.XX'
X	X XX°XX'XX" X	XX.XX'

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
FOUND MONUMENT "7_K10"
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MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

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BIDDING, OR PERMIT PURPOSES.
FOR REVIEW ONLY.
SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

REVISIONS
NO. | DATE | REMARKS | BY
DESIGN
DESIGNED BY: GM — DATE: DEC. 16, 2016
DRAWN BY: LRT — DATE: DEC. 16, 2016
DWG NAME: 11-1_UTIL_P&P-50.dwg — PROJ #: R304101.01
CHECKED BY: SAE — DATE: DEC. 16, 2016

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TWO WORKING DAYS
BEFORE YOU DIG CALL
811 OR 260-1990

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6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: UNSER BOULEVARD RECONSTRUCTION
UTILITY PLAN & PROFILE
STA. 7+00.00 TO STA. 13+00.00

Design Review Committee	City Engineer		Mo./Day/Yr.	Mo./Day/Yr.
		Last Update		

City Project No. 4383.91 | Zone Map No. J-09-Z, J-10-Z, K-09-Z, K-10-Z | Sheet 75 Of 77

CONTROL NO. A302050 — SHEET 11–3

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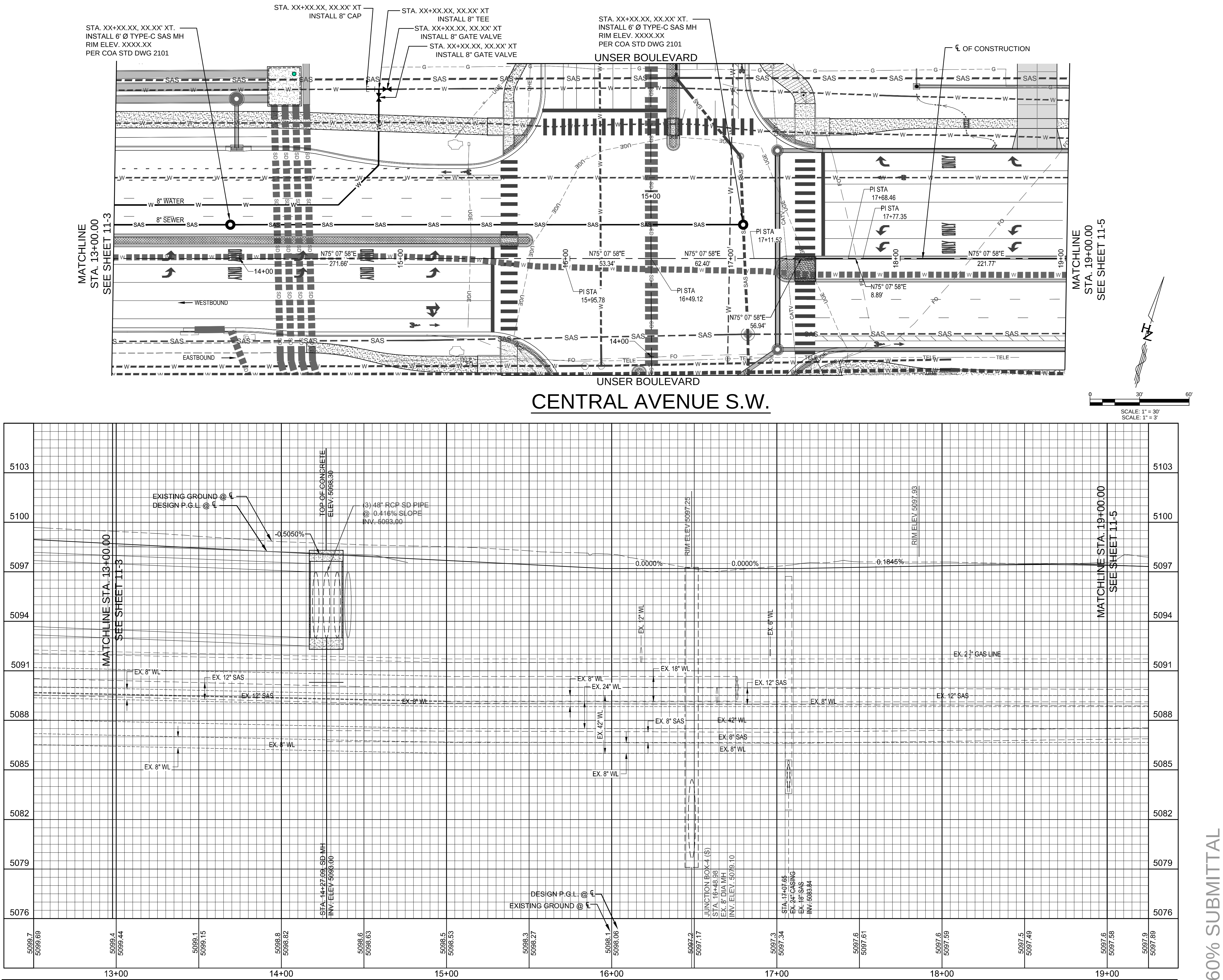

WATER LINE DATA

	BEARING	LENGTH
1	X XX°XX'XX" X	XX.XX
2	X XX°XX'XX" X	XX.XX
3	X XX°XX'XX" X	XX.XX

SEWER LINE DATA

	BEARING	LENGTH
⊗	X XX°XX'XX" X	XXX.XX'
⊗	X XX°XX'XX" X	XX.XX'

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY
INSPECTOR'S ACCEPTANCE BY
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY
NO.

BENCH MARKS
FOUND MONUMENT "7_K10"
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MAPPING ANGLE=-0°16'18.14"

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
PRELIMINARY
NOT FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES. FOR REVIEW ONLY.
SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC. Consulting Engineers

NO. DATE REMARKS BY
REVISIONS
DESIGN
DESIGNED BY: GM DATE: DEC. 16, 2016
DRAWN BY: LRT DATE: DEC. 16, 2016
DWG NAME: 11-1_UTIL_P&P-50.dwg PROJ #: R304101.01
CHECKED BY: SAE DATE: DEC. 16, 2016

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CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: UNSER BOULEVARD RECONSTRUCTION
UTILITY PLAN & PROFILE
STA. 13+00.00 TO STA. 19+00.00

Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.

Last Update

City Project No. 4383.91
Zone Map No. J-09-Z, J-10-Z, K-09-Z, K-10-Z
Sheet 76 Of 77

CONTROL NO. A302050
SHEET 11-4

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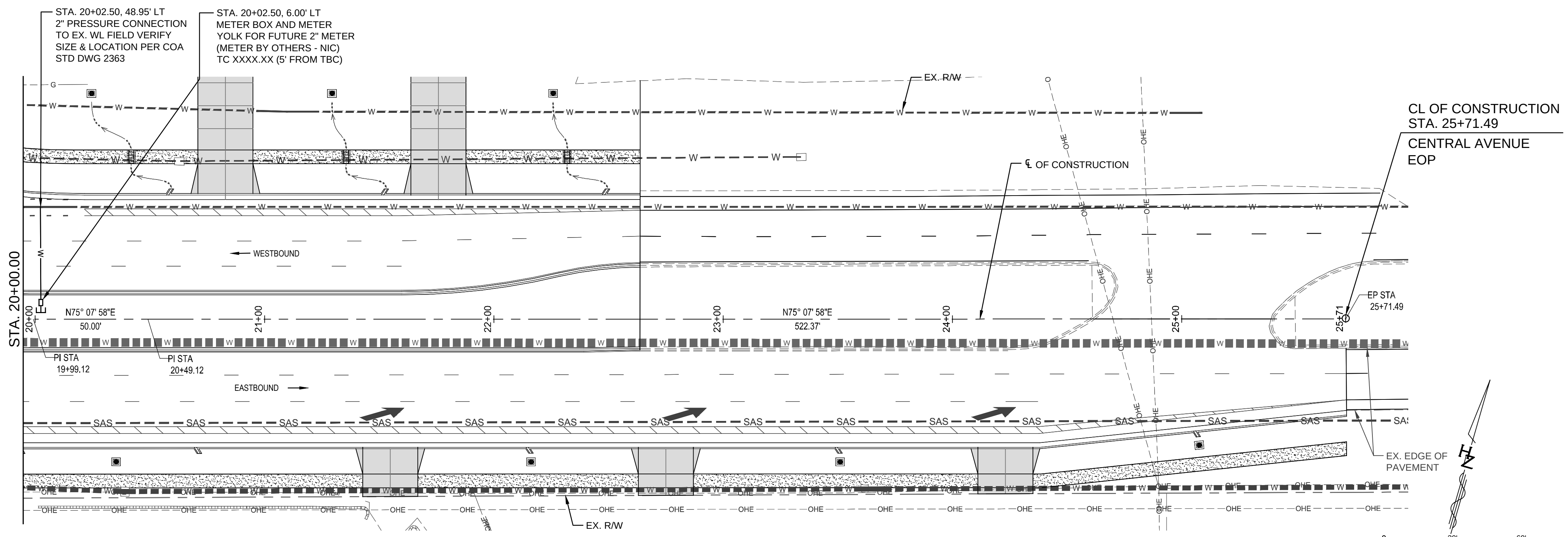
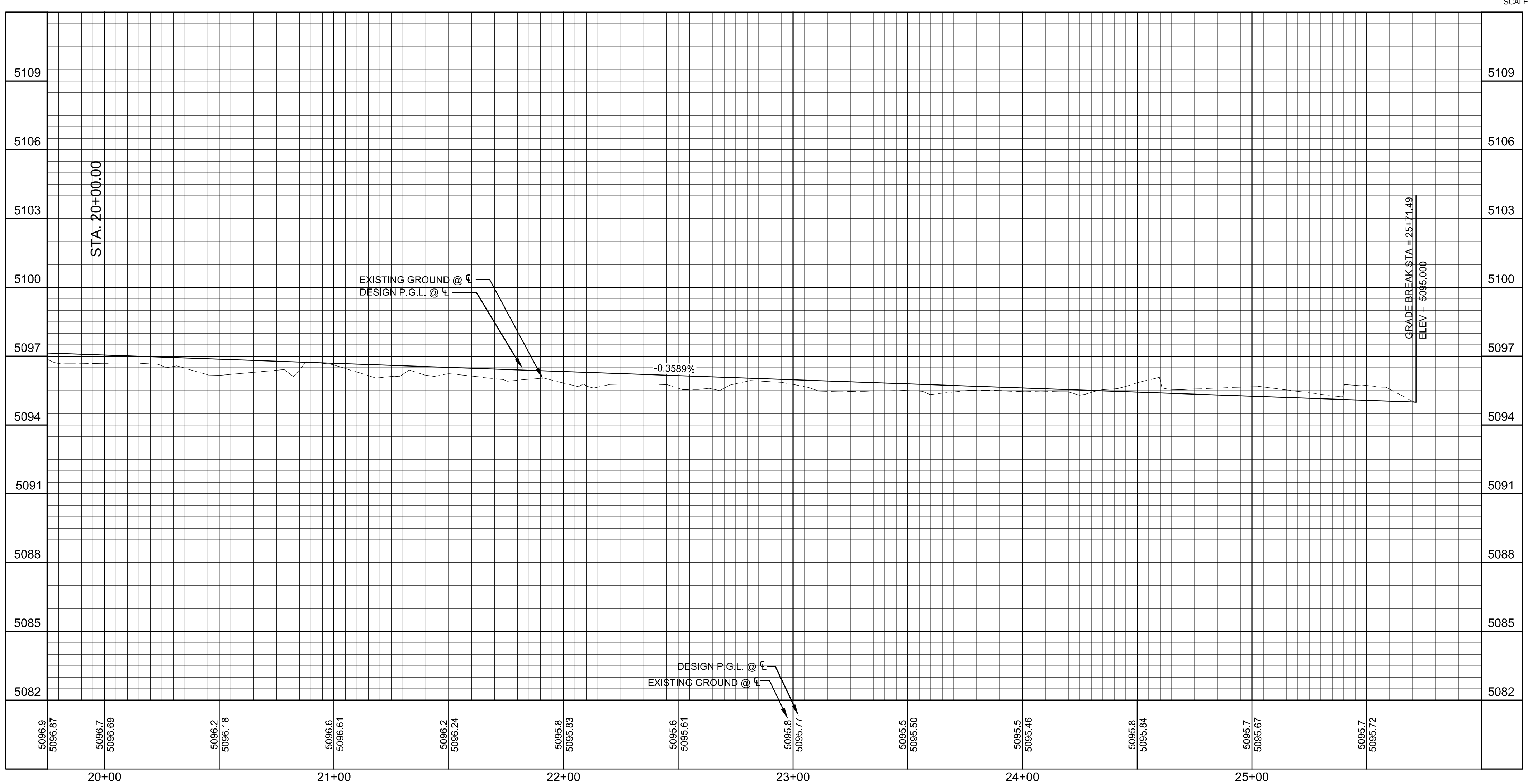


CENTRAL AVENUE S.W.



AS BUILT INFORMATION
CONTRACTOR | DATE
WORK STAKED BY | DATE
INSPECTOR'S ACCEPTANCE BY | DATE
FIELD VERIFICATION BY | DATE
DRAWINGS CORRECTED BY | DATE

MICRO-FILM INFORMATION
RECORDED BY | DATE
NO.

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SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

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FOR REVIEW ONLY.
SCOTT A. EDDINGS
12856
Date: 12/16/16
HUITT-ZOLLARS, INC.
Consulting Engineers

NO. | DATE | REMARKS | BY
REVISIONS
DESIGN
DESIGNED BY: GM | DATE: DEC. 16, 2016
DRAWN BY: LRT | DATE: DEC. 16, 2016
DWG NAME: 11-1_UTIL_P&P-50.dwg | PROJ #: R304101.01
CHECKED BY: SAE | DATE: DEC. 16, 2016

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CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: UNSER BOULEVARD RECONSTRUCTION
UTILITY PLAN & PROFILE
STA. 20+00.00 TO STA. 25+71.49

Design Review Committee	City Engineer	Mo./Day/Yr.	Mo./Day/Yr.

Last Update

City Project No.	Zone Map No.	Sheet	Of
4383.91	J-09-Z, J-10-Z, K-09-Z, K-10-Z	77	77

CONTROL NO. A302050 SHEET 11–5

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Last Saved:12/20/2016 10:23:21 AM, lfathiya