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CITY OF COMMERCE CITY

DEPARTMENT OF PUBLIC WORKS

PLANS OF PROPOSED

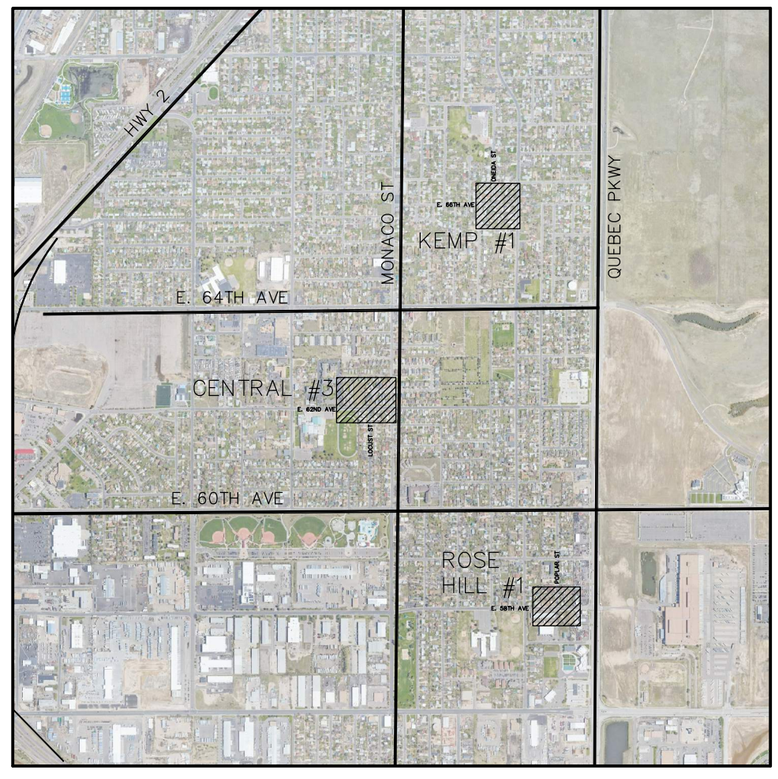
COMMUNITY DEVELOPMENT BLOCK GRANT SIDEWALK AND CURB RAMP IMPROVEMENTS

90% DESIGN PLANS

PROJECT NO. 2016–2017–04–PW–CDBG SIDEWALKS

DATUM STATEMENT:
COORDINATES WERE OBTAINED FROM THE CONTROL DIAGRAM FOR THE CITY OF COMMERCE CITY BY JR ENGINEERING, LTD., DATED 08–04–99, RECORDED IN BOOK 1, PAGE 3776, AT RECEPTION NUMBER 2009–146, RECORDED IN ADAMS COUNTY, CO. THE COORDINATES ARE BASED ON THE COLORADO STATE PLANE, NAD 1983 (1992) CENTRAL ZONE MODIFIED TO GROUND BY APPLYING THE SCALE FACTOR 1/0.99979199, WITH NO TRUNCATION.

BENCHMARK:
ELEVATIONS ARE BASED ON ALIQUOT CORNER NUMBER 2160, OBTAINED FROM THE CONTROL DIAGRAM FOR THE CITY OF COMMERCE CITY BY JR ENGINEERING, LTD., DATED 08–04–99, RECORDED IN BOOK 1, PAGE 3776, AT RECEPTION NUMBER 2009–146, RECORDED IN ADAMS COUNTY, CO. ELEVATIONS ARE BASED ON NAVD 1988 VERTICAL DATUM, AND WERE TRANSFERRED TO THE THREE SITES USING RTK GPS.



PROJECT LOCATION MAP

0' 1000' 2000' 4000'

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INDEX OF SHEETS

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2	GENERAL NOTES
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20-23	GRADING & EROSION CONTROL PLAN

Print Date:	Sheet Revisions			CITY OF COMMERCE CITY	As Constructed
File Name:	Date:	Comments	Init.	7887 E. 60TH AVENUE	No Revisions:
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City Project Manager				PHONE: (303) 289–8150	Void:
JACOBS					

COMMERCE CITY CDBG SIDEWALK COVER SHEET		Project Number
Designer:	Structure Numbers	WXXX3902
Detailer:		
Sheet Subset:	Subset Sheets:	Sheet Number 1

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GENERAL NOTES:

1. A CONSTRUCTION (STREET CUT) PERMIT FROM THE CITY OF COMMERCE CITY DEPARTMENT OF PUBLIC WORKS IS REQUIRED PRIOR TO COMMENCING WORK WITHIN THE CITY RIGHT-OF WAY.
2. ANY WORK WITHIN STATE HIGHWAY RIGHT-OF-WAY WILL REQUIRE A CDOT CONSTRUCTION PERMIT IN ADDITION TO A CITY PERMIT.
3. THE CONTRACTOR SHALL NOTIFY THE CITY OF COMMERCE CITY DEPARTMENT OF PUBLIC WORKS AT LEAST 24 HOURS PRIOR TO STARTING CONSTRUCTION WITHIN THE RIGHT-OF-WAY AT TELEPHONE NUMBER (303) 289-8150.
4. THE CONTRACTOR SHALL PROVIDE ALL SIGNS, BARRICADES, FLAG MEN, LIGHTS OR OTHER DEVICES NECESSARY FOR SAFE TRAFFIC CONTROL IN ACCORDANCE WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND AS MODIFIED BY THE COLORADO SUPPLEMENT TO THE MUTCD. A TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO AND APPROVED BY THE CITY OF COMMERCE CITY DEPARTMENT OF PUBLIC WORKS PRIOR TO THE ISSUANCE OF ANY CONSTRUCTION PERMIT FOR WORK WITHIN CITY RIGHT-OF-WAY.
5. THE CONTRACTOR SHALL CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO AT LEAST 48 HOURS PRIOR TO CONSTRUCTION. CALL 1-(800) 922-1987 OR 811.
6. CONSTRUCTION SPECIFICATIONS: CURRENT EDITION OF THE COLORADO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION HEREAFTER REFERRED TO AS STANDARD SPECIFICATIONS. SPECIAL PROVISIONS AND REVISIONS THERETO AND THE CITY OF COMMERCE CITY DEPARTMENT OF PUBLIC WORKS ENGINEERING CONSTRUCTION STANDARDS AND SPECIFICATIONS.
7. SERVICE TRENCHES AND UTILITY MAIN TRENCHES SHALL BE COMPACTED THROUGHOUT THE DEPTH OF TRENCH AS SPECIFIED IN ABOVE NOTE. EXACT EXTENT OF NEW PAVEMENT TO BE INSTALLED FOR A STREET CUT PATCH SHALL BE DETERMINED BY THE CITY CONSTRUCTION INSPECTOR UPON COMPLETION OF ROADWAY EXCAVATION. NEW PAVEMENT SHALL CONFORM TO EXISTING SOUND STRUCTURAL SECTION.
8. EXISTING ASPHALT PAVEMENT SHALL BE STRAIGHT SAW CUT WHEN ADJOINING WITH NEW ASPHALT PAVEMENT. CSS-1H TACK COAT SHALL BE APPLIED TO ALL EXPOSED SURFACES, INCLUDING SAW CUTS, POTHOLES, TRENCHES AND ASPHALT OVERLAY.
9. STRUCTURAL SECTIONS SHALL BE AS APPROVED BY THE CITY OF COMMERCE CITY DEPARTMENT OF PUBLIC WORKS, WITH PAVEMENT DESIGN IN ACCORDANCE WITH THE CITY OF COMMERCE CITY DEPARTMENT OF PUBLIC WORKS ENGINEERING CONSTRUCTION STANDARDS AND SPECIFICATIONS.
10. CONCRETE MAY BE PLACED BY MACHINE METHODS PROVIDED THAT ALL FINISH LINES ARE WITHIN 1/8" □B TOLERANCE OF THE LINES SHOWN ON THE PLANS. THE FLOWLINE MUST BE FREE DRAINING.
11. ONE HALF (1/2) INCH EXPANSION JOINT MATERIAL SHALL BE INSTALLED WHEN ABUTTING ANY EXISTING CONCRETE OR A FIXED STRUCTURE.
12. SIDEWALKS AND DRIVEWAYS SHALL HAVE THE NAME OF THE CONTRACTOR AND THE YEAR OF CONSTRUCTION IMPRESSED THEREIN USING BLOCK LETTERS NOT LESS THAN (1) INCH HIGH AND THREE-EIGHTHS (3/8) INCH DEEP IN EACH DRIVEWAY AND EACH END OF CONSTRUCTION, OR A MINIMUM OF EVERY 150 LINEAL FEET OF SIDEWALK.
13. A REFLECTIVE CITY OF COMMERCE CITY LOGO SHALL BE ADDED TO EACH STREET SIGN. STREET NAME SIGN PLATES SHALL BE PROVIDED AND INSTALLED BY THE DEVELOPER PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY. COORDINATE WITH CITY OF COMMERCE CITY TRAFFIC ENGINEERING AT (303) 289-8150.
14. THE CONTRACTOR SHALL GUARANTEE ALL WORK FOR A PERIOD OF ONE YEAR AFTER THE DATE OF ACCEPTANCE OF THE WORK BY THE CITY AND SHALL REPAIR OR REPLACE ANY OR ALL SUCH WORK, TOGETHER WITH ANY OTHER WORK WHICH MAY BE DISPLACED IN SO DOING, THAT MAY PROVE DEFECTIVE IN WORKMANSHIP AND/OR MATERIALS WITHIN THE ONE YEAR PERIOD FROM DATE OF ACCEPTANCE WITHOUT EXPENSE WHATSOEVER TO THE CITY, ORDINARY WEAR AND TEAR, UNUSUAL ABUSE OR NEGLECT EXCEPTED. PRIOR TO INITIAL ACCEPTANCE OF PUBLIC IMPROVEMENTS, THE CITY MAY REQUIRE THE APPLICANT OR HIS CONTRACTOR TO FILE A MAINTENANCE BOND WITH THE CITY IN THE AMOUNT OF FIFTEEN (15) PERCENT OF THE ESTIMATED COST OF CONSTRUCTION OR AN AMOUNT ADEQUATE TO ENSURE THE SATISFACTORY MAINTENANCE AND CONDITION OF THE REQUIRED PUBLIC IMPROVEMENTS FOR A PERIOD OF ONE (1) YEAR AFTER THE DATE OF THEIR FINAL ACCEPTANCE AND DEDICATION TO THE CITY.
15. NO PORTION OF ANY STREET SHALL BE PAVED WITH THE FINAL LIFT OF ASPHALT UNTIL ALL UTILITIES HAVE BEEN RELOCATED, INSTALLED OR STUBBED TO THE BACK OF SIDEWALK AND ALL STREET LIGHTS RELOCATED AS NECESSARY.
16. ANGLE POINTS IN THE CURB AND GUTTER AND ALL POINTS OF GRADE CHANGE NOT WITHIN A VERTICAL CURVE SHALL BE ROUNDED IN THE FIELD TO PRODUCE A SMOOTH GRADUAL CURVE FOR PROPER APPEARANCE.
17. MYLAR COPIES OF "AS BUILT" PLANS SHALL BE SUBMITTED TO THE ENGINEERING DIVISION PRIOR TO INITIAL ACCEPTANCE OF IMPROVEMENTS.
18. NO REVISIONS TO THESE PLANS SHALL BE MADE WITHOUT THE APPROVAL OF BOTH THE CITY ENGINEER AND THE DESIGN ENGINEER. ANY REVISIONS OR CHANGES THERETO SHALL BE APPROVED BY THE CITY ENGINEER PRIOR TO ANY REQUESTS FOR INSPECTION.
19. BENCHMARK. ALL ELEVATIONS SHOWN ON THESE PLANS FOR IMPROVEMENTS OR NOTED ELSEWHERE ARE REFERENCED TO THE BENCHMARK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MONUMENT OR BENCHMARK WHICH IS DESTROYED OR DISTURBED. DAMAGED MONUMENT SHALL BE RE-ESTABLISHED AND REPLACED BY A LICENSED LAND SURVEYOR AND A MONUMENT RECORD FILED AS REQUIRED.
20. THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER, THE ENGINEER, AND THE CITY OF COMMERCE CITY HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER, THE ENGINEER, OR THE CITY OF COMMERCE CITY.
21. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL NECESSARY UTILITY RELOCATIONS WITH THE APPROPRIATE UTILITY COMPANY.
22. ADJUST RIM OF ALL CLEAN-OUTS, MANHOLES, VALVE COVERS AND SURVEY MONUMENT COVERS TO FINISH GRADE.
23. THE CONTRACTOR SHALL PROVIDE FOR INGRESS AND EGRESS FOR PRIVATE PROPERTY ADJACENT TO THE WORK THROUGHOUT PERIOD OF CONSTRUCTION.
24. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE DESIGN ENGINEER OF ANY PROBLEM IN CONFORMING TO THE APPROVED LINE AND GRADE FOR ANY ELEMENT OF THE PROPOSED IMPROVEMENTS PRIOR TO ITS CONSTRUCTION.
25. IT SHALL BE THE DESIGN ENGINEER'S RESPONSIBILITY TO RESOLVE CONSTRUCTION PROBLEMS DUE TO CHANGED CONDITIONS OR DESIGN ERRORS ENCOUNTERED BY THE CONTRACTOR DURING THE PROGRESS OF ANY PORTION OF THE PROPOSED WORK. IF, IN THE OPINION OF THE CONSTRUCTION INSPECTOR, PROPOSED ALTERATIONS TO THE APPROVED PLANS INVOLVE SIGNIFICANT CHANGES TO THE CHARACTER OF THE WORK OR TO FUTURE CONTIGUOUS PUBLIC OR PRIVATE IMPROVEMENTS, THE DESIGN ENGINEER SHALL BE RESPONSIBLE FOR SUBMITTING REVISED PLANS TO THE CITY OF COMMERCE CITY FOR APPROVAL PRIOR TO ANY FURTHER CONSTRUCTION RELATED TO THAT PORTION OF THE WORK.
26. LOCATION OF UNDERGROUND UTILITIES WAS TAKEN FROM THE RECORDS OF THE CONTROLLING AGENCIES. NO RESPONSIBILITY FOR THEIR ACCURACY IS ASSUMED BY THE ENGINEER. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND/OR LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
27. THE CONTRACTOR IS RESPONSIBLE FOR THE PREVENTION OF DAMAGE TO ADJACENT PROPERTY. NO PERSON SHALL EXCAVATE ON LAND SO CLOSE TO THE PROPERTY LINE AS TO ENDANGER ANY ADJOINING IMPROVEMENTS, SIDEWALK, ALLEY OR UTILITY WITHOUT SUPPORTING AND PROTECTING SUCH PROPERTY FROM SETTLING, OR OTHER DAMAGE THAT MIGHT RESULT FROM THE WORK PRESCRIBED ON THIS PLAN. THE LOCAL AGENCY WILL HOLD THE CONTRACTOR RESPONSIBLE FOR CORRECTION OF DAMAGE TO ADJACENT PROPERTY, PUBLIC OR PRIVATE.
28. CITY OF COMMERCE CITY CONSTRUCTION STANDARD DETAILS TO BE USED:

DETAIL DESCRIPTION	DETAIL NUMBER
CURB CUT	308-01
VERTICAL CURB SECTIONS	308-07
CURB RAMPS	308-03b

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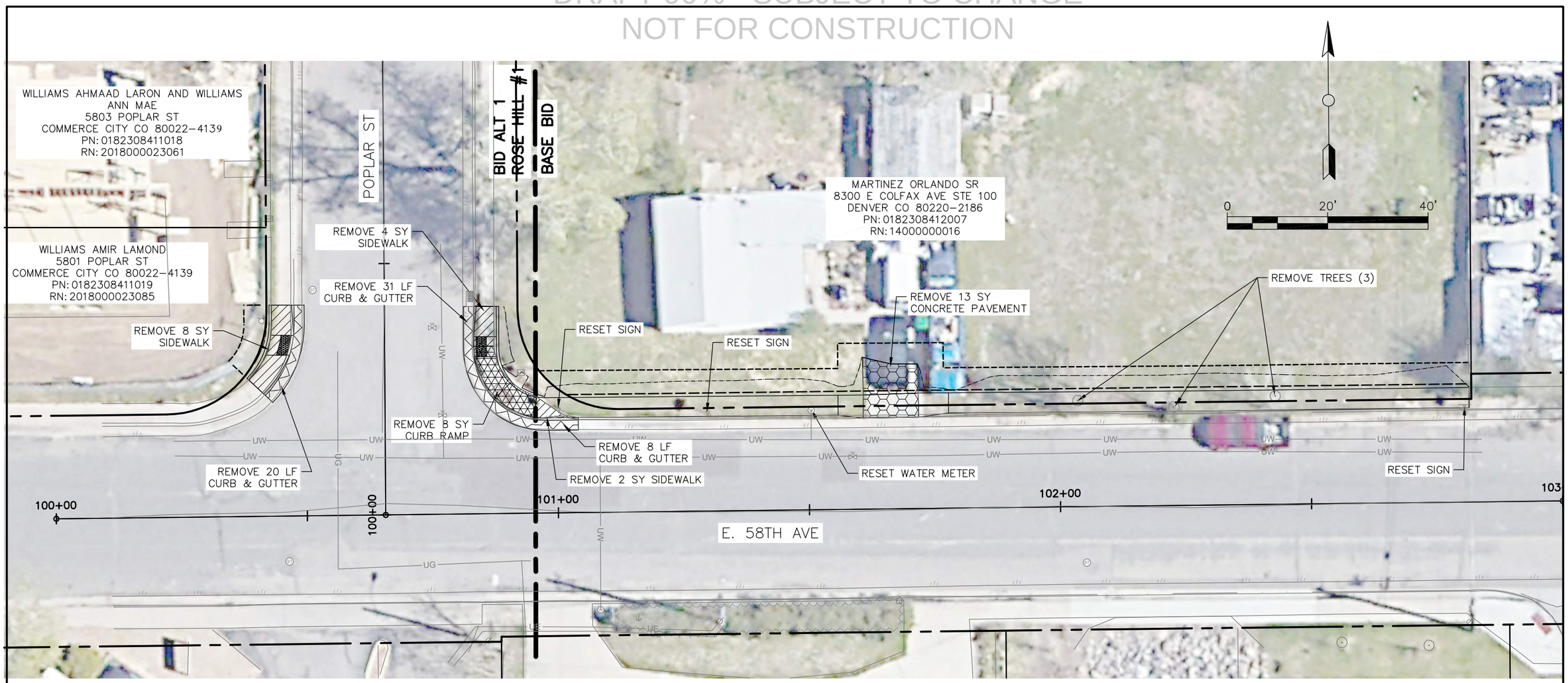

LEGEND

- REMOVAL OF CURB AND GUTTER
- REMOVAL OF CURB RAMP
- REMOVAL OF SIDEWALK
- REMOVAL OF ASPHALT MAT
- REMOVAL OF CONCRETE PAVEMENT

NOTES:

1. CONTRACTOR TO COORDINATE WITH SOUTH ADAMS COUNTY WATER AND SANITATION DISTRICT ON RELOCATION OF WATER METERS.

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File Name:	Date:	Comments	Init.
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City Project Manager			
JACOBS			

CITY OF COMMERCE CITY
7887 E. 60TH AVENUE
COMMERCE CITY, CO 80022
PHONE: (303) 289-8150

As Constructed
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Revised:
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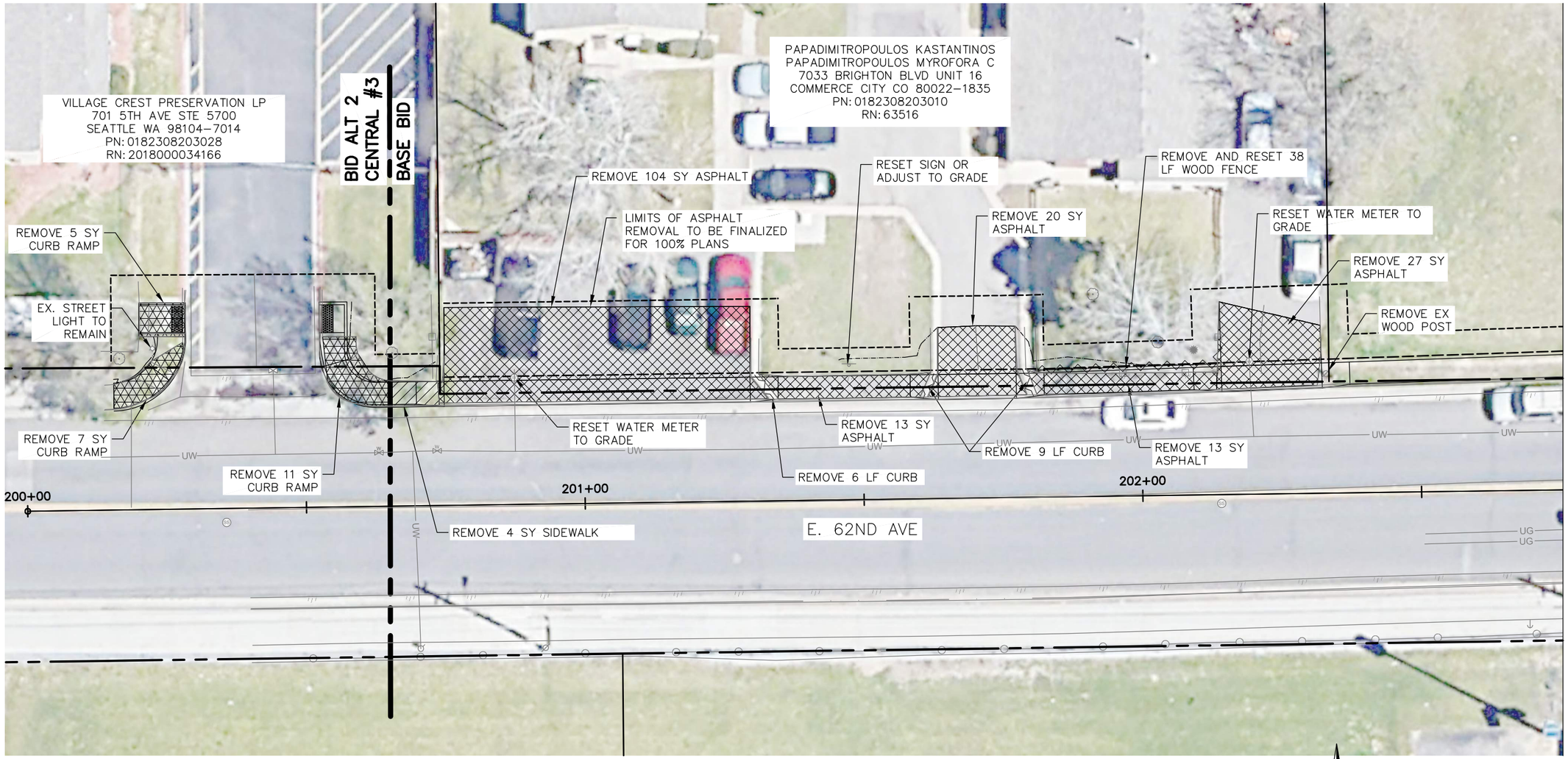
COMMERCE CITY CDBG SIDEWALK REMOVAL & RESET PLAN ROSE HILL #1

Designer:
Detailer:
Sheet Subset:
Subset Sheets:

Project Number
WXXX3902

Sheet Number 3



LEGEND

- REMOVAL OF CURB AND GUTTER
- REMOVAL OF CURB RAMP
- REMOVAL OF SIDEWALK
- REMOVAL OF ASPHALT MAT
- REMOVAL OF CONCRETE PAVEMENT

NOTES:

1. CONTRACTOR TO COORDINATE WITH SOUTH ADAMS COUNTY WATER AND SANITATION DISTRICT ON RELOCATION OF WATER METERS.

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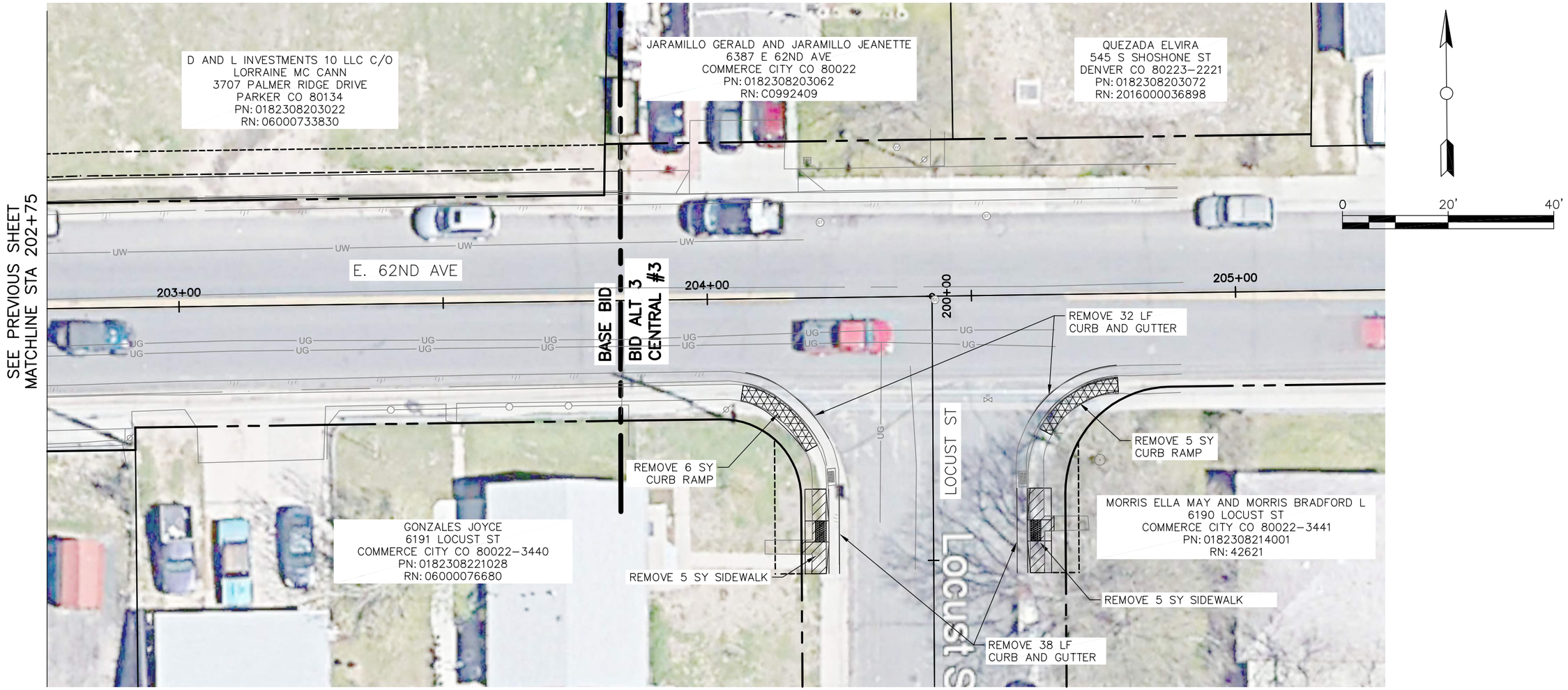
COMMERCE CITY CDBG SIDEWALK REMOVAL & RESET PLAN CENTRAL #3

Designer: Sheet Subset:
Detailer: Subset Sheets:

Project Number: WXXX3902

Sheet Number 4



LEGEND

- REMOVAL OF CURB AND GUTTER
- REMOVAL OF CURB RAMP
- REMOVAL OF SIDEWALK
- REMOVAL OF ASPHALT MAT
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NOTES:

1. CONTRACTOR TO COORDINATE WITH SOUTH ADAMS COUNTY WATER AND SANITATION DISTRICT ON RELOCATION OF WATER METERS.

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Sheet Number 5

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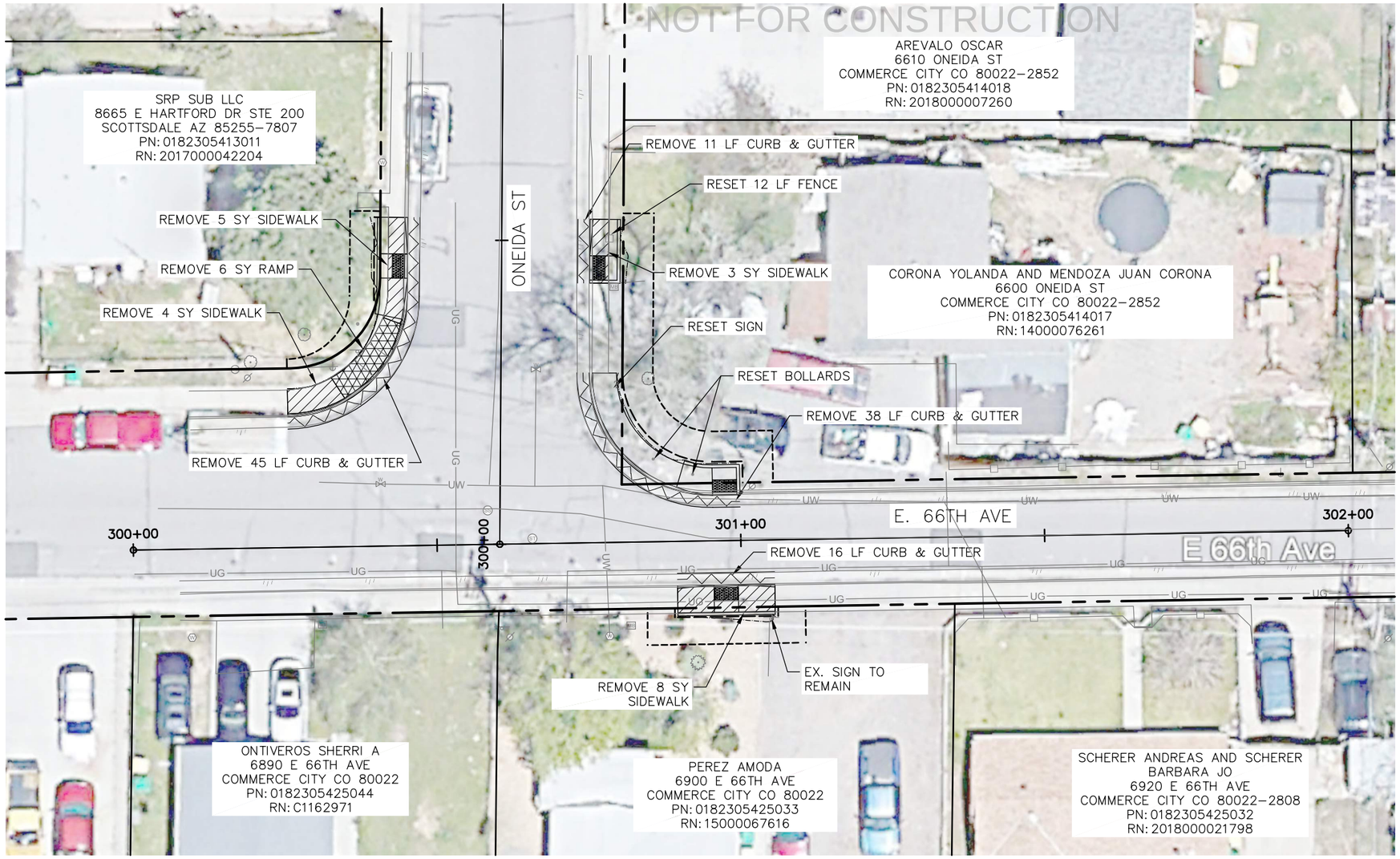

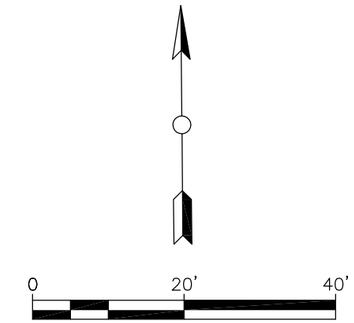

LEGEND

- REMOVAL OF CURB AND GUTTER
- REMOVAL OF CURB RAMP
- REMOVAL OF SIDEWALK
- REMOVAL OF ASPHALT MAT
- REMOVAL OF CONCRETE PAVEMENT

NOTES:

1. CONTRACTOR TO COORDINATE WITH SOUTH ADAMS COUNTY WATER AND SANITATION DISTRICT ON RELOCATION OF WATER METERS.

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File Name:	Date:	Comments	Init.	7887 E. 60TH AVENUE	No Revisions:		WXXX3902
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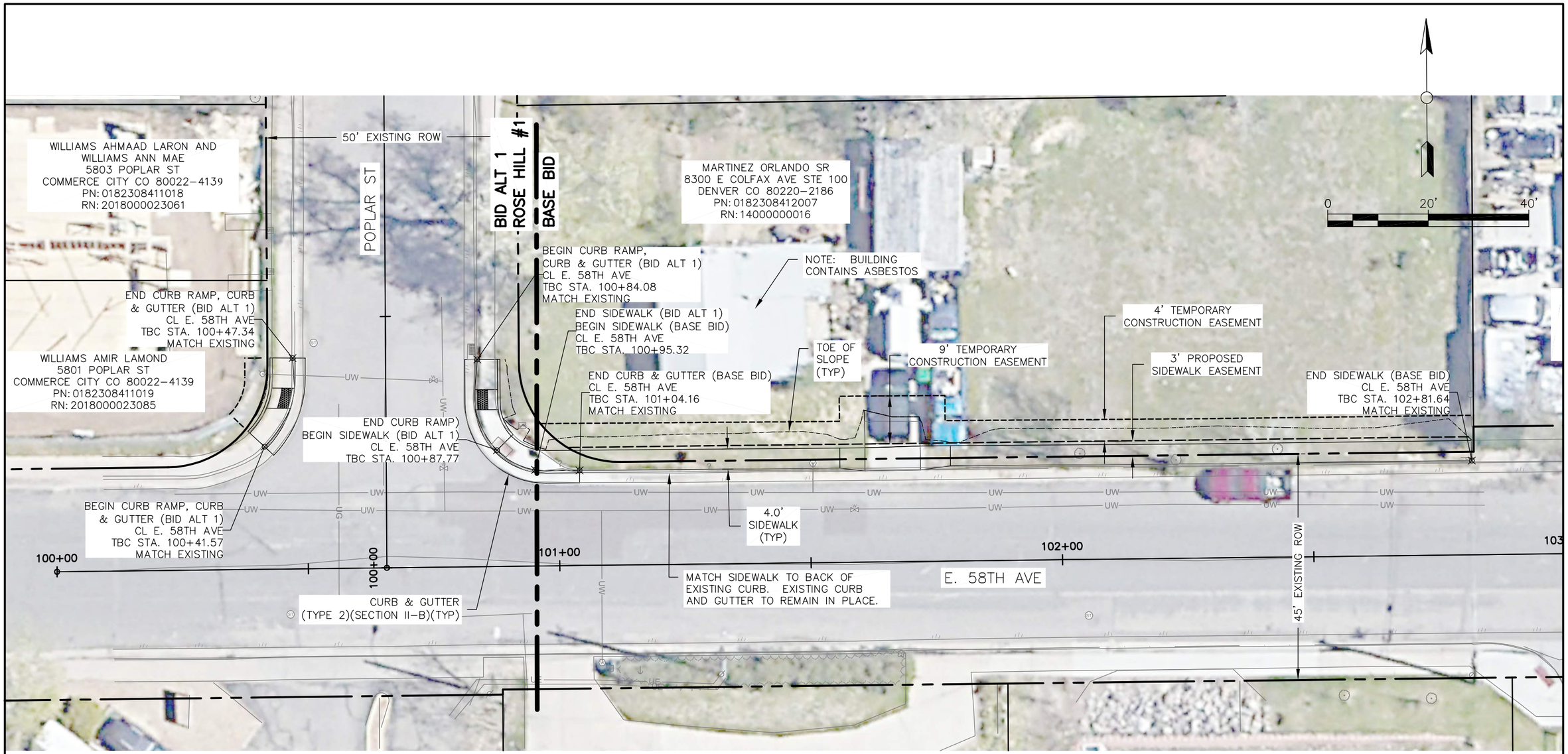

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COMMERCE CITY CDBG SIDEWALK
ROADWAY PLAN
ROSE HILL #1

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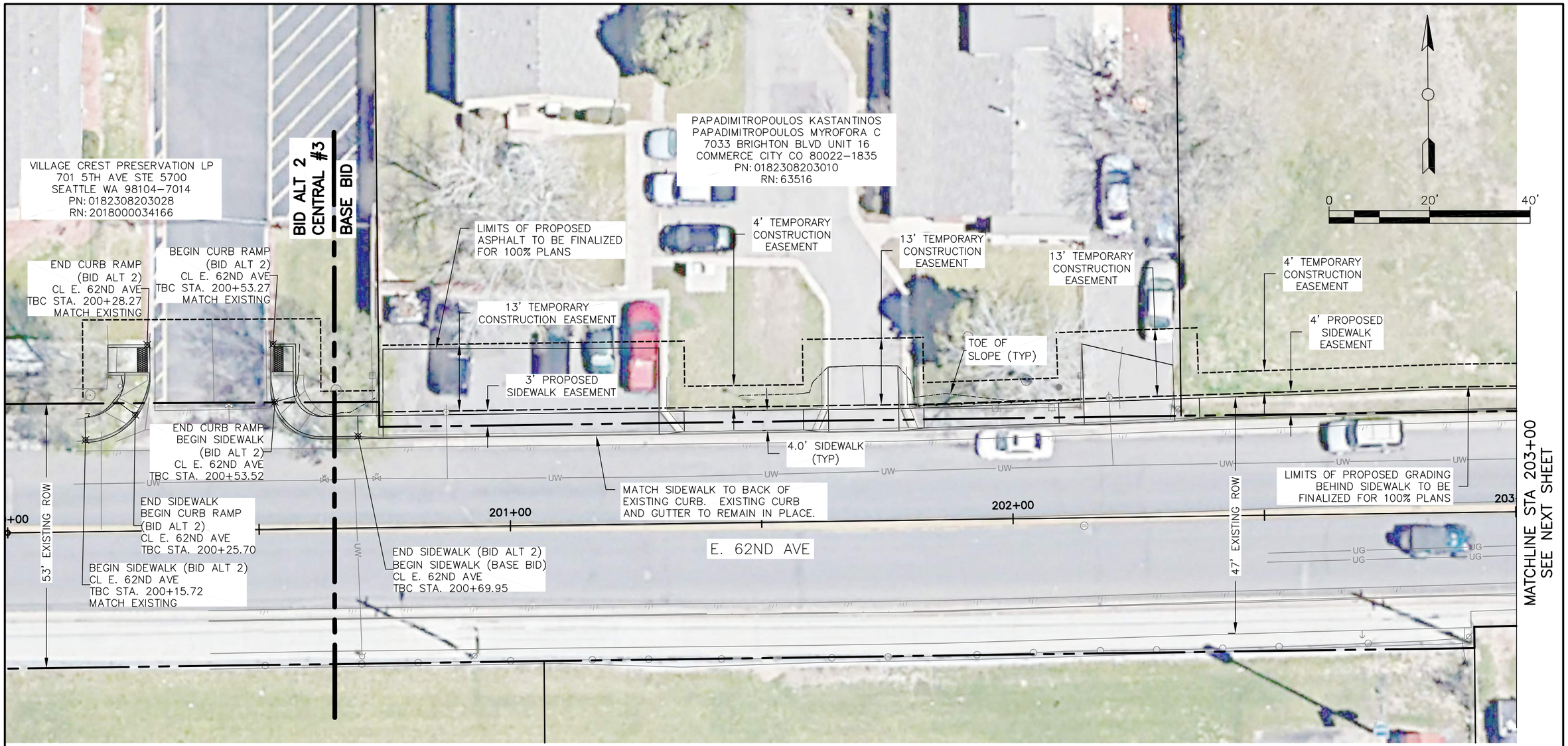
Sheet Number 7



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File Name:	Date:	Comments	Init.	7887 E. 60TH AVENUE	No Revisions:		WXXX3902
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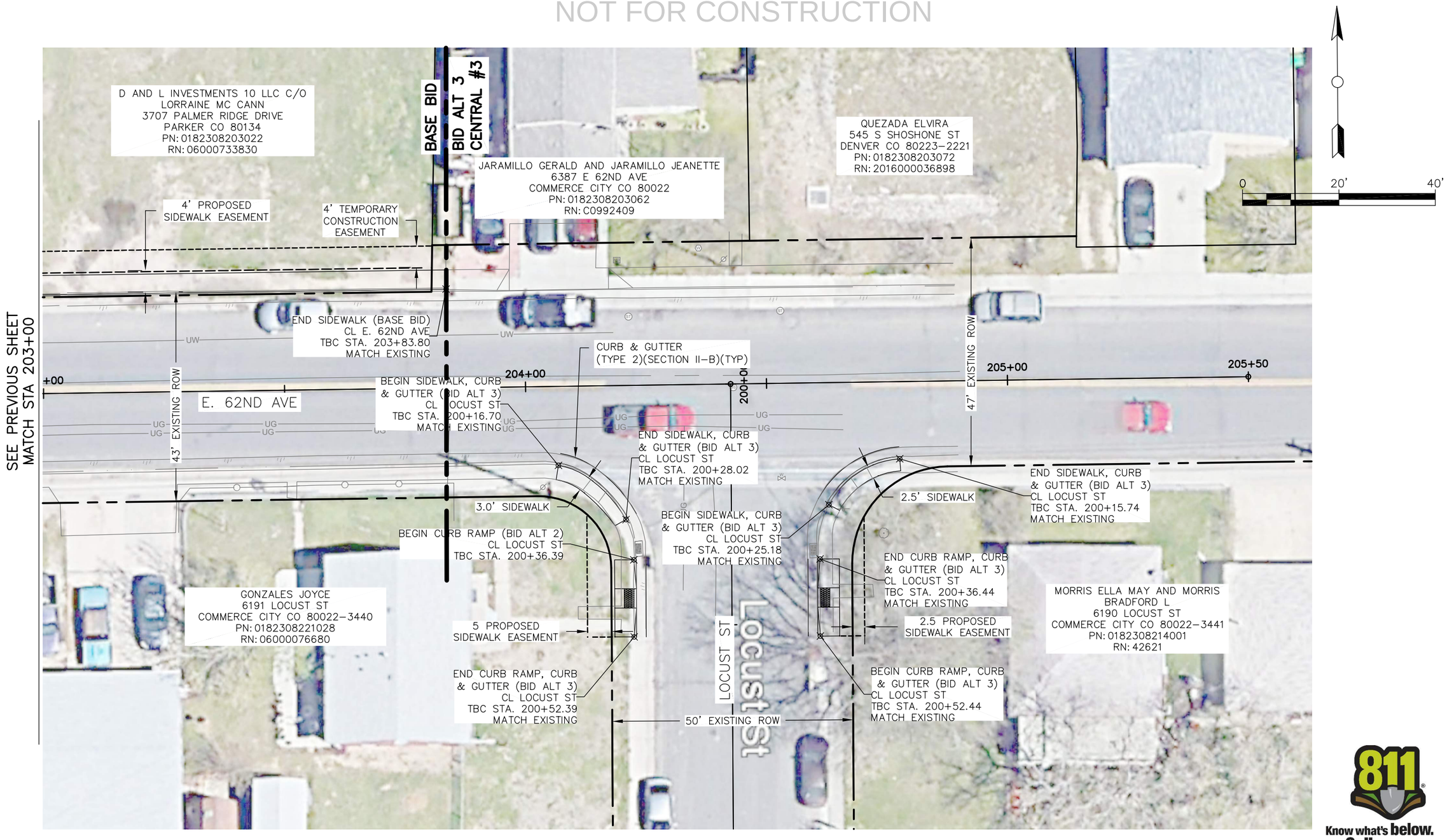

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COMMERCE CITY CDBG SIDEWALK
ROADWAY PLAN
CENTRAL #3

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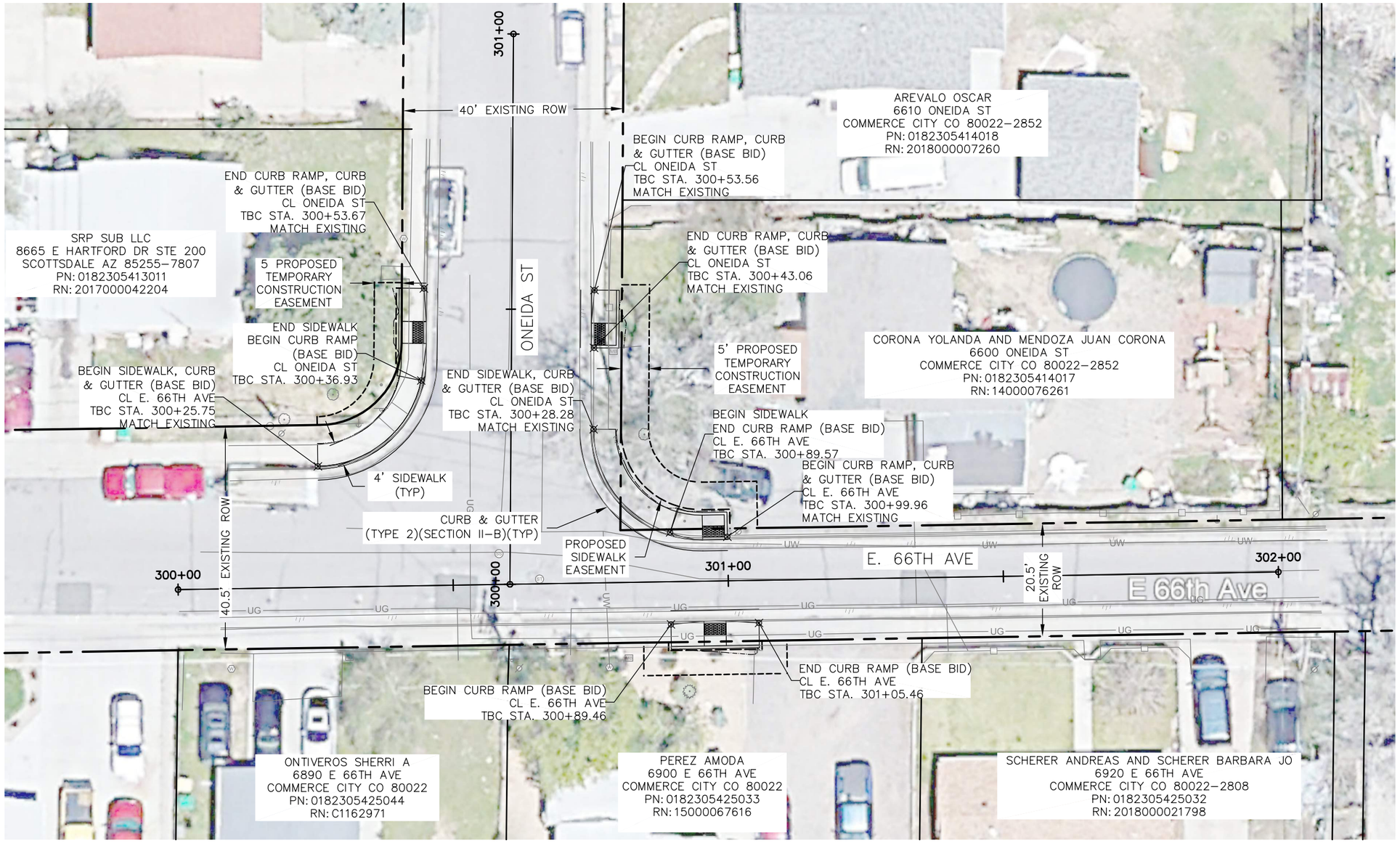
Sheet Number 9



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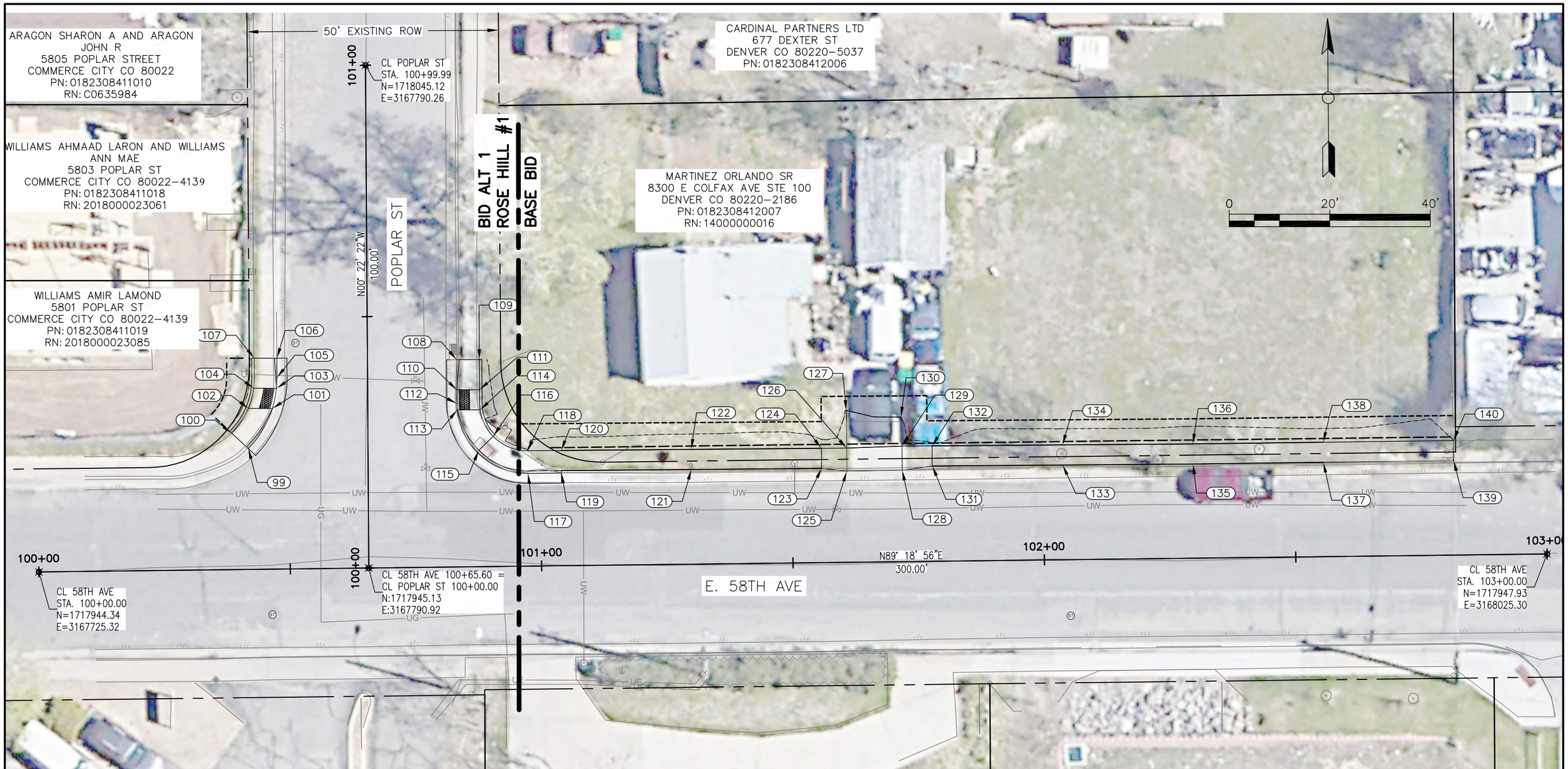
COMMERCE CITY CDBG SIDEWALK
ROADWAY PLAN
KEMP #1

Designer: Sheet Subset:
Detailer: Subset Sheets:

Project Number: WXXX3902

Sheet Number 10



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7887 E. 60TH AVENUE
COMMERCE CITY, CO 80022
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COMMERCE CITY CDBG SIDEWALK
HORIZONTAL CONTROL PLAN
ROSE HILL #1

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Detailer:	Subset Sheets:

Project Number
WXXX3902
Sheet Number 11

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POINT TABLE				
POINT NO.	DESCRIPTION	NORTHING	EASTING	ELEVATION
99	MATCH EX. CURB FL	1717968.87	3167766.95	5203.12
100	BEGIN TRANSITION – BOW	1717971.93	3167763.65	5203.69
101	RAMP – FL	1717976.85	3167771.74	5203.13
102	TOP OF RAMP	1717976.89	3167766.97	5203.23
103	RAMP – FL	1717980.85	3167772.57	5203.14
104	TOP OF RAMP	1717980.88	3167768.04	5203.23
105	PCR – FL	1717983.00	3167772.67	5203.14
106	MATCH EX. CURB FL	1717986.85	3167772.64	5203.16
107	BEGIN TRANSITION – BOW	1717986.88	3167768.14	5203.74
108	MATCH EX. CURB FL	1717986.56	3167808.40	5203.55
109	BEGIN TRANSITION – BOW	1717986.59	3167812.90	5204.13
110	RAMP – FL	1717980.56	3167808.43	5203.56
111	TOP OF RAMP	1717980.59	3167812.93	5203.65
112	PCR – FL	1717977.86	3167808.45	5203.57
113	RAMP – FL	1717976.56	3167808.52	5203.58
114	TOP OF RAMP	1717976.59	3167813.05	5203.67
115	BEGIN TRANSITION – TBC	1717968.50	3167812.81	5204.14
116	BEGIN TRANSITION – BOW	1717971.30	3167815.66	5204.17
117	PCR – FL	1717963.95	3167822.57	5203.72
118	BOW	1717968.45	3167822.53	5204.72
119	MATCH EX. CURB FL	1717964.01	3167829.24	5203.82
120	BOW	1717968.51	3167829.21	5204.40

POINT TABLE				
POINT NO.	DESCRIPTION	NORTHING	EASTING	ELEVATION
121	TBC	1717964.72	3167855.10	5204.31
122	BOW	1717968.72	3167855.07	5204.39
123	BEGIN TRANSITION – TBC	1717964.94	3167881.01	5204.49
124	BEGIN TRANSITION – BOW	1717968.94	3167880.98	5204.57
125	CURB CUT – FL	1717964.38	3167886.02	5204.07
126	CURB CUT – BOW	1717968.98	3167885.98	5204.20
127	MATCH EX. ASPHALT	1717976.46	3167885.90	5204.88
128	CURB CUT – FL	1717964.57	3167897.02	5204.15
129	CURB CUT – BOW	1717969.37	3167896.98	5204.24
130	MATCH EX. ASPHALT	1717975.16	3167896.77	5204.77
131	BEGIN TRANSITION – TBC	1717965.41	3167903.01	5204.63
132	BEGIN TRANSITION – BOW	1717969.41	3167902.98	5204.71
133	TBC	1717965.60	3167928.94	5204.82
134	BOW	1717969.60	3167928.89	5204.90
135	TBC	1717965.80	3167954.86	5204.91
136	BOW	1717969.80	3167954.82	5204.99
137	TBC	1717966.13	3167980.79	5205.14
138	BOW	1717970.13	3167980.75	5205.23
139	MATCH EX. SW	1717966.46	3168006.71	5205.40
140	MATCH EX. SW	1717970.46	3168006.66	5205.48

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COMMERCE CITY CDBG SIDEWALK
HORIZONTAL CONTROL TABLE
ROSE HILL #1

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Subset Sheets:

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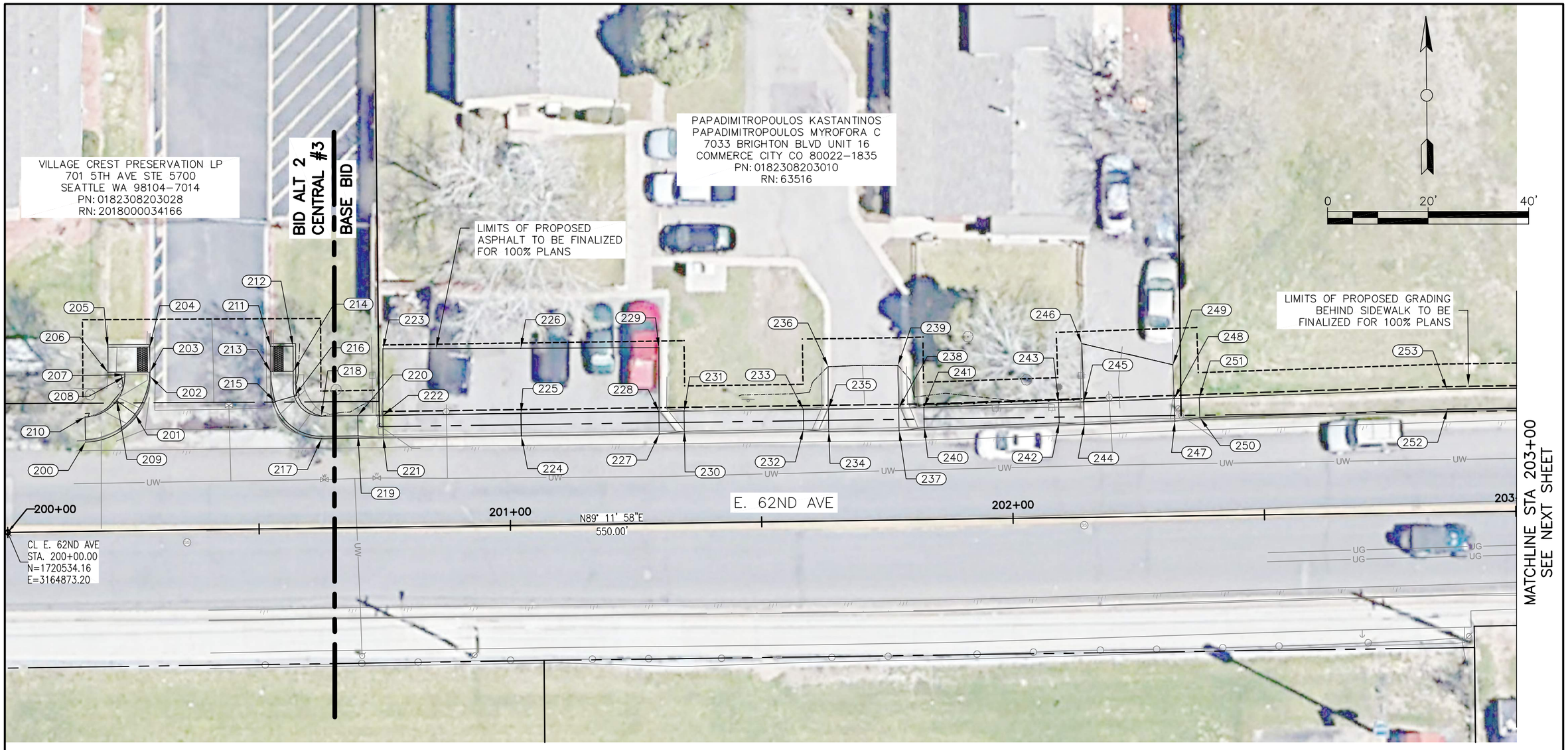
WXXX3902

Sheet Number 12



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COMMERCE CITY CDBG SIDEWALK
HORIZONTAL CONTROL PLAN
CENTRAL #3

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Detailer: Subset Sheets:

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Sheet Number 13

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POINT TABLE				
POINT NO.	DESCRIPTION	NORTHING	EASTING	ELEVATION
200	PCR – FL	1720552.13	3164888.66	5182.30
201	BEGIN TRANSITION – TBC	1720557.67	3164898.52	5182.89
202	PCR – FL	1720565.20	3164901.48	5182.38
203	RAMP – FL	1720566.04	3164901.48	5182.39
204	RAMP – FL	1720571.03	3164901.45	5182.43
205	TOP OF RAMP	1720571.00	3164893.10	N/A
206	TOP OF RAMP	1720566.00	3164893.13	5182.93
207	BOW	1720565.52	3164896.48	5182.73
208	BOW	1720565.17	3164896.48	5182.75
209	BEGIN TRANSITION – BOW	1720560.36	3164894.90	5182.98
210	BOW	1720557.13	3164888.59	N/A
211	RAMP – FL	1720571.18	3164925.45	5182.56
212	TOP OF RAMP	1720571.20	3164929.95	5182.65
213	RAMP – FL	1720566.18	3164925.48	5182.45
214	TOP OF RAMP	1720566.20	3164929.98	5182.54
215	BEGIN TRANSITION – TBC	1720560.18	3164926.36	5182.91
216	BEGIN TRANSITION – BOW	1720561.28	3164930.21	5182.95
217	PCR – FL	1720552.79	3164935.64	5182.39
218	BOW	1720557.29	3164935.57	5182.95
219	BEGIN TRANSITION – TBC	1720553.39	3164942.88	5182.77
220	BEGIN TRANSITION – BOW	1720557.39	3164942.83	5182.80
221	CURB CUT – FL	1720552.96	3164947.89	5182.42
222	CURB CUT – BOW	1720557.46	3164947.83	5182.54
223	MATCH EX. ASPHALT	1720570.69	3164947.83	N/A
224	CURB CUT – FL	1720553.34	3164975.34	N/A
225	CURB CUT – BOW	1720557.84	3164975.28	5182.65

POINT TABLE				
POINT NO.	DESCRIPTION	NORTHING	EASTING	ELEVATION
226	MATCH EX. ASPHALT	1720570.80	3164975.23	N/A
227	CURB CUT – FL	1720553.72	3165002.78	N/A
228	CURB CUT – BOW	1720558.22	3165002.73	5182.83
229	MATCH EX. ASPHALT	1720570.91	3165002.73	N/A
230	BEGIN TRANSITION – TBC	1720554.29	3165007.78	5183.15
231	BEGIN TRANSITION – BOW	1720558.29	3165007.73	5183.21
232	BEGIN TRANSITION – TBC	1720554.64	3165031.49	5183.24
233	BEGIN TRANSITION – BOW	1720558.63	3165031.44	5183.30
234	CURB CUT – FL	1720554.20	3165036.50	5182.93
235	CURB CUT – BOW	1720558.70	3165036.44	5182.93
236	MATCH EX. ASPHALT	1720567.12	3165036.41	5183.95
237	CURB CUT – FL	1720554.39	3165050.50	5182.77
238	CURB CUT – BOW	1720558.89	3165050.44	5182.90
239	MATCH EX. ASPHALT	1720567.36	3165050.23	5183.49
240	BEGIN TRANSITION – TBC	1720555.02	3165055.49	5183.25
241	BEGIN TRANSITION – BOW	1720559.02	3165055.43	5183.31
242	BEGIN TRANSITION – TBC	1720555.96	3165082.35	5183.32
243	BEGIN TRANSITION – BOW	1720559.96	3165082.21	5183.37
244	CURB CUT – FL	1720555.64	3165087.36	5182.86
245	CURB CUT – BOW	1720560.13	3165087.21	5182.99
246	MATCH EX. ASPHALT	1720571.72	3165086.85	5183.81
247	CURB CUT – FL	1720556.27	3165105.35	5182.97
248	CURB CUT – BOW	1720560.76	3165105.19	5183.10
249	MATCH EX. ASPHALT	1720567.51	3165104.96	5183.58
250	BEGIN TRANSITION – TBC	1720556.94	3165110.33	5183.45
251	BEGIN TRANSITION – BOW	1720560.94	3165110.19	5183.48

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Sheet Number 14

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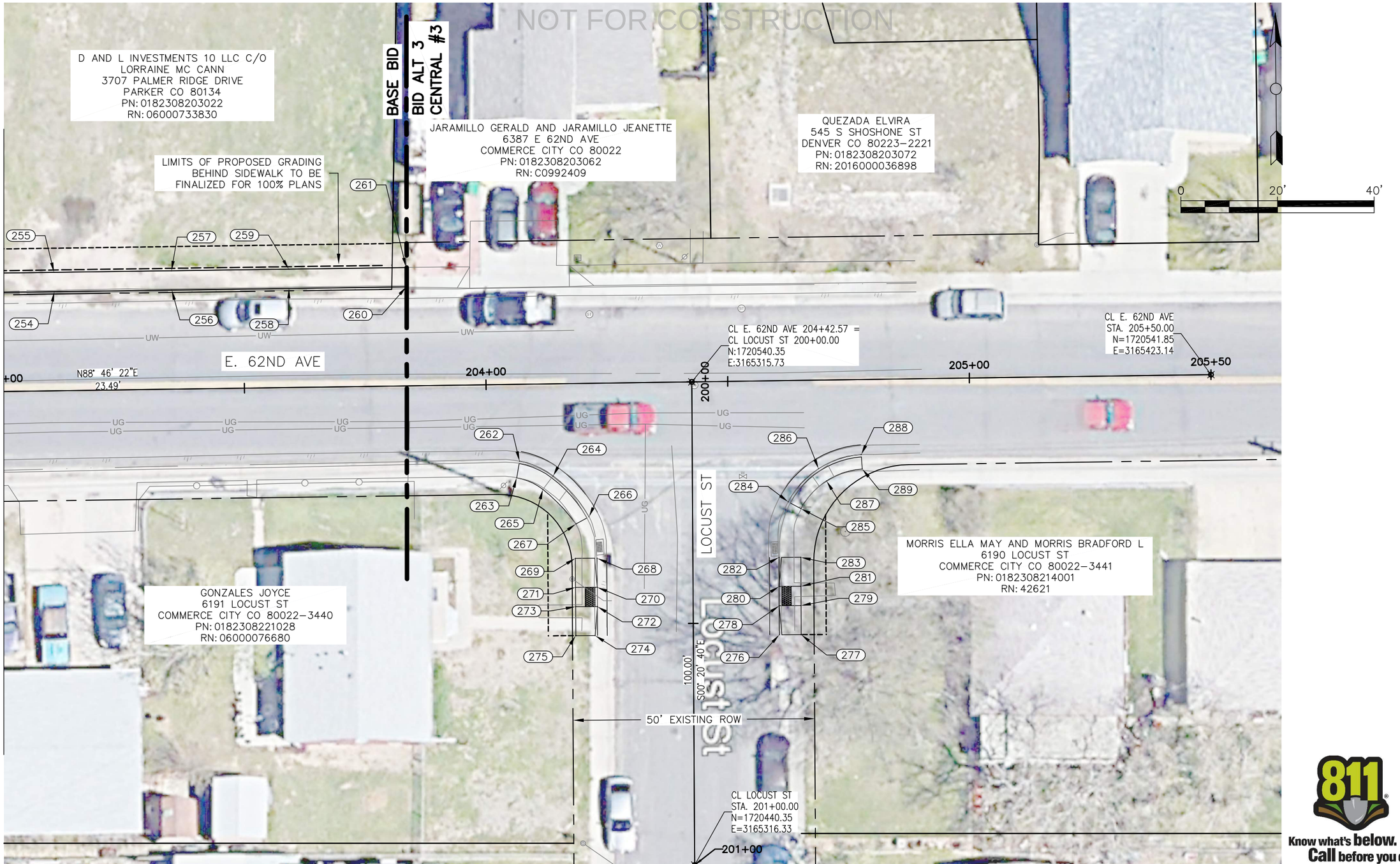

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Sheet Number 15

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POINT TABLE				
POINT NO.	DESCRIPTION	NORTHING	EASTING	ELEVATION
252	TBC	1720558.67	3165159.59	5183.64
253	BOW	1720562.66	3165159.45	5183.70
254	TBC	1720559.00	3165183.83	5183.30
255	BOW	1720563.00	3165183.77	5183.36
256	TBC	1720559.34	3165208.11	5183.70
257	BOW	1720563.34	3165208.05	5183.77
258	TBC	1720559.68	3165232.39	5183.82
259	BOW	1720563.68	3165232.33	5183.89
260	TBC	1720560.02	3165256.67	5184.04
261	BOW	1720564.02	3165256.62	5184.22
262	FL – MATCH EX. C&G	1720523.93	3165280.08	5184.57
263	BOW	1720520.48	3165279.50	5185.13
264	FL	1720520.87	3165287.03	5184.75
265	BOW	1720518.08	3165284.91	5185.30
266	FL – MATCH EX. C&G	1720512.42	3165294.45	5184.99
267	BOW	1720510.93	3165291.75	5185.54
268	FL – MATCH EX. C&G	1720503.84	3165296.14	5185.15
269	BEGIN TRANSITION – BOW	1720503.82	3165291.64	5185.73
270	RAMP – FL	1720497.84	3165296.16	5185.18
271	TOP OF RAMP	1720497.82	3165291.66	5185.27
272	RAMP – FL	1720493.84	3165296.18	5185.21
273	TOP OF RAMP	1720493.82	3165291.68	5185.30
274	FL – MATCH EX. C&G	1720487.84	3165295.71	5185.75
275	BEGIN TRANSITION – BOW	1720487.82	3165291.71	5185.83
276	FL – MATCH EX. C&G	1720488.01	3165333.84	5185.45
277	BEGIN TRANSITION – BOW	1720488.03	3165338.34	5186.03

POINT TABLE				
POINT NO.	DESCRIPTION	NORTHING	EASTING	ELEVATION
278	RAMP – FL	1720494.01	3165333.81	5185.38
279	TOP OF RAMP	1720494.03	3165338.31	5185.47
280	RAMP – FL	1720498.01	3165333.80	5185.33
281	TOP OF RAMP	1720498.03	3165338.30	5185.42
282	FL – MATCH EX. C&G	1720504.01	3165333.77	5185.24
283	BEGIN TRANSITION – BOW	1720504.03	3165338.27	5185.82
284	FL MATCH EX. C&G	1720515.52	3165335.65	5185.44
285	BOW	1720514.10	3165338.30	5185.99
286	FL	1720522.36	3165341.96	5185.49
287	BOW	1720519.85	3165343.59	5186.03
288	FL – MATCH EX. C&G	1720525.31	3165350.78	5185.48
289	BOW	1720522.32	3165350.99	5186.03

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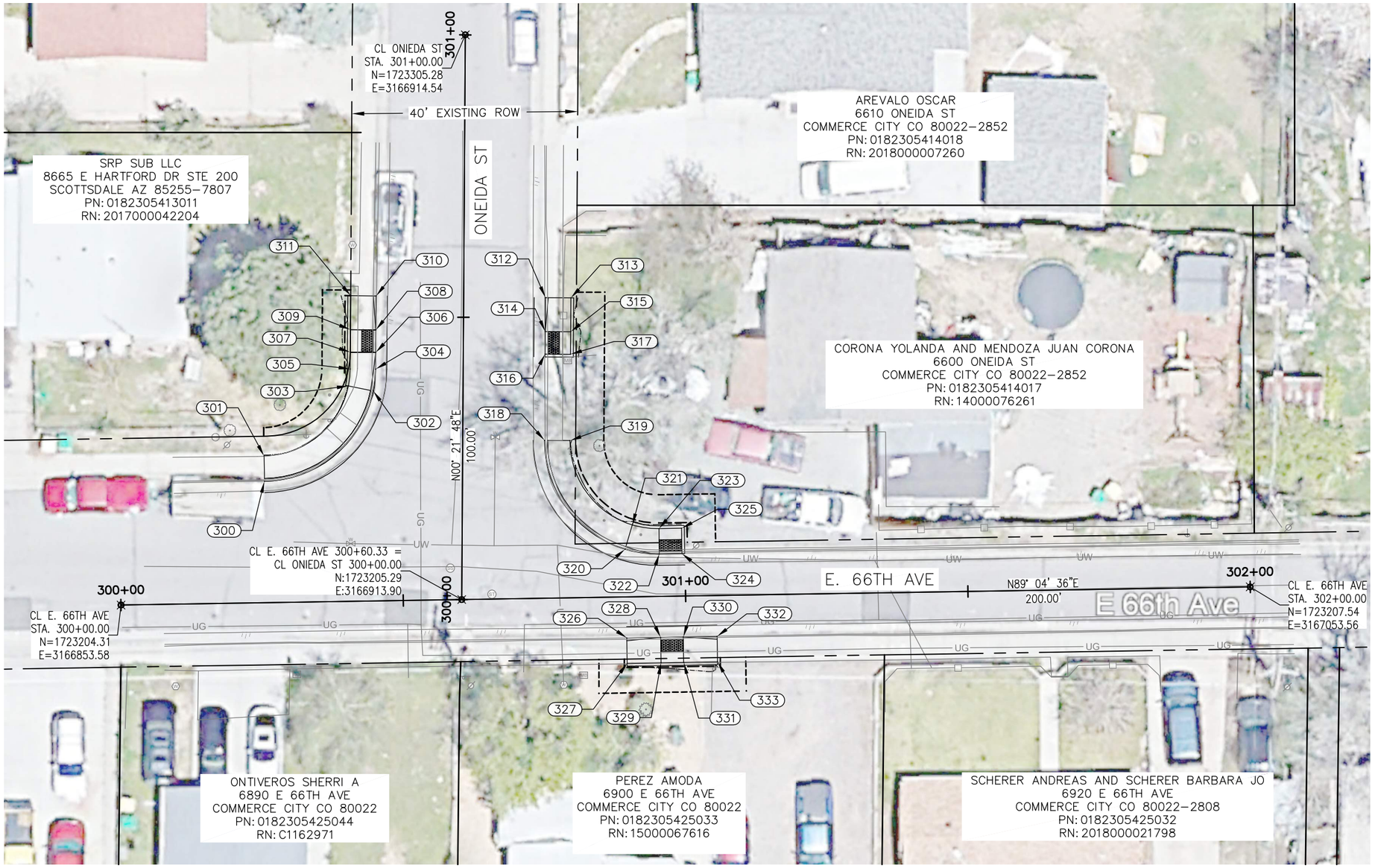

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HORIZONTAL CONTROL PLAN
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POINT TABLE				
POINT NO.	DESCRIPTION	NORTHING	EASTING	ELEVATION
300	FL – MATCH EX. C&G	1723226.23	3166878.99	5188.24
301	BOW	1723230.72	3166878.91	5188.82
302	FL	1723242.21	3166898.26	5187.74
303	BEGIN TRANSITION – BOW	1723243.12	3166893.85	5188.31
304	PT – FL	1723246.10	3166898.66	5187.66
305	PT – BOW	1723246.12	3166894.16	5188.04
306	RAMP – FL	1723249.05	3166898.69	5187.65
307	TOP OF RAMP	1723249.09	3166894.18	5187.74
308	RAMP – FL	1723253.05	3166898.71	5187.63
309	TOP OF RAMP	1723253.09	3166894.21	5187.72
310	FL – MATCH EX. C&G	1723259.05	3166898.75	5187.61
311	BEGIN TRANSITION – BOW	1723259.09	3166894.25	5188.19
312	FL – MATCH EX. C&G	1723258.76	3166928.74	5188.01
313	BEGIN TRANSITION – BOW	1723258.71	3166933.24	5188.59
314	RAMP – FL	1723252.76	3166928.71	5188.03
315	TOP OF RAMP	1723252.71	3166933.21	5188.12
316	RAMP – FL	1723248.76	3166928.68	5188.04
317	TOP OF RAMP	1723248.73	3166933.18	5188.13
318	FL – MATCH EX. C&G	1723233.47	3166928.58	5188.05
319	BOW	1723233.45	3166933.08	5188.63
320	FL	1723214.19	3166942.83	5188.67
321	BEGIN TRANSITION – BOW	1723218.50	3166944.13	5189.24
322	RAMP – FL	1723213.35	3166948.91	5188.81
323	TOP OF RAMP	1723217.85	3166948.83	5188.90
324	RAMP – FL	1723213.41	3166952.91	5188.81

POINT TABLE				
POINT NO.	DESCRIPTION	NORTHING	EASTING	ELEVATION
325	TOP OF RAMP	1723217.91	3166952.83	5188.90
326	FL – MATCH EX. C&G	1723198.51	3166943.15	5188.88
327	BEGIN TRANSITION – BOW	1723194.01	3166943.22	5189.46
328	RAMP – FL	1723198.60	3166949.14	5188.89
329	TOP OF RAMP	1723194.10	3166949.22	5188.98
330	RAMP – FL	1723198.67	3166953.14	5188.97
331	TOP OF RAMP	1723194.17	3166953.22	5189.06
332	FL – MATCH EX. C&G	1723198.76	3166959.14	5188.94
333	BEGIN TRANSITION – BOW	1723194.26	3166959.21	5189.52

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GRADING/EROSION AND SEDIMENT CONTROL GENERAL NOTES:

1. GRADING PLAN IS FOR ROUGH GRADING ONLY. CHANGES MAY BE NECESSARY TO BRING PLANS INTO CONFORMANCE WITH APPROVED DRAINAGE AND SITE PLAN.

2. A WATER TRUCK SHALL BE KEPT ON-SITE TO CONTROL WIND EROSION AND DUST.

3. ANY SETTLEMENT OR SOIL ACCUMULATIONS BEYOND THE PROPERTY LIMITS DUE TO GRADING OR EROSION SHALL BE REPARIED IMMEDIATELY BY THE CONTRACTOR.

4. NO GRADING SHALL TAKE PLACE IN ANY DELINEATED FLOOD HAZARD AREA UNTIL THE FINAL DRAINAGE PLAN HAS BEEN APPROVED AND ALL APPROPRIATE PERMITS HAVE BEEN OBTAINED.

5. ANY CONSTRUCTION DEBRIS OR MUD TRACKING IN THE PUBLIC RIGHT-OF-WAY RESULTING FROM THIS DEVELOPMENT WILL BE REMOVED IMMEDIATELY BY THE CONTRACTOR. UPON WRITTEN NOTICE BY THE CITY, FAILURE TO REMOVE THE MUD OR DEBRIS BY THE CONTRACTOR WITHIN 24 HOURS SHALL CAUSE THE CITY TO STOP ALL WORK UNTIL THE SITUATION IS RESOLVED.

6. WHEN REQUIRED, A COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT (CDPHE), WATER QUALITY DIVISION, STORMWATER DISCHARGE PERMIT SHALL BE OBTAINED AND A COPY SHALL BE SUBMITTED TO THE CITY OF COMMERCE CITY DEPARTMENT OF PUBLIC WORKS.

7. AREAS DISTURBED BY GRADING SHALL BE MULCHED AND RESEEDED WITH NATIVE VEGETATION OR AS APPROVED ON THE PLAN.

8. THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR SAFETY CONDITIONS ON AND ADJACENT TO THE SITE 24 HOURS A DAY, SEVEN DAYS A WEEK.

9. CONTRACTOR SHALL CONTACT UTILITY NOTIFICATION CENTER FOR THE LOCATION OF UNDERGROUND UTILITIES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION. (811 or 1-800-922-1987)

10. THE CITY ENGINEER'S SIGNATURE AFFIXED TO THIS DOCUMENT INDICATES THE CITY OF COMMERCE CITY PUBLIC WORKS DEPARTMENT, ENGINEERING DIVISION, HAS REVIEWED THE DOCUMENT AND FOUND IT IN GENERAL COMPLIANCE WITH THE CITY'S STORMWATER QUALITY CONTROL CRITERIA. THE CITY ENGINEER, THROUGH ACCEPTANCE OF THIS DOCUMENT, ASSUMES NO RESPONSIBILITY (OTHER THAN AS STATED ABOVE) FOR THE COMPLETENESS AND/OR ACCURACY OF THESE DOCUMENTS.

11. THE ADEQUACY OF THIS ESC PLAN LIES WITH THE ORIGINAL DESIGN ENGINEER.

12. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE COMMERCE CITY RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO THE APPROVED PLANS.

13. THE PLACEMENT OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMP's) SHALL BE IN ACCORDANCE WITH THE CITY APPROVED PLANS.

14. ANY VARIATION IN MATERIAL, TYPE OR LOCATION OF EROSION AND SEDIMENT CONTROL BMP's FROM THE CITY APPROVED PLANS WILL REQUIRE APPROVAL FROM AN ACCOUNTABLE REPRESENTATIVE OF THE CITY OF COMMERCE CITY ENGINEERING DIVISION.

15. AFTER THE ESC PLAN HAS BEEN APPROVED, THE CONTRACTOR MAY INSTALL THE INITIAL-STAGE EROSION AND SEDIMENT CONTROL BMPS INDICATED ON THE ACCEPTED ESC PLAN.

16. THE FIRST BMP TO BE INSTALLED ON THE SITE SHALL BE CONSTRUCTION FENCE, MARKERS, OR OTHER APPROVED MEANS OF DEFINING THE LIMITS OF CONSTRUCTION, INCLUDING CONSTRUCTION LIMITS ADJACENT TO STREAM CORRIDORS AND OTHER AREAS TO BE PRESERVED.

17. AFTER INSTALLATION OF THE INITIAL-STAGE EROSION AND SEDIMENT CONTROL BMPs, THE PERMITTEE SHALL CALL THE PUBLIC WORKS AT 303-289-8150 TO SCHEDULE A PRECONSTRUCTION MEETING AT THE PROJECT SITE. THE REQUEST SHALL BE MADE A MINIMUM OF THREE BUSINESS DAYS PRIOR TO THE REQUESTED MEETING TIME. NO CONSTRUCTION ACTIVITIES SHALL BE PLANNED WITHIN 24 HOURS AFTER THE PRECONSTRUCTION MEETING.

18. THE ESC MANAGER SHALL BE CERTIFIED IN STORMWATER MANAGEMENT AND EROSION CONTROL AND DOCUMENTATION SHALL BE PROVIDED TO THE CITY.

19. THE OWNER OR OWNER'S REPRESENTATIVE, THE ESC MANAGER, THE GENERAL CONTRACTOR, AND THE GRADING SUBCONTRACTOR, IF DIFFERENT FROM THE GENERAL CONTRACTOR, MUST ATTEND THE PRECONSTRUCTION MEETING. IF ANY OF THE REQUIRED PARTICIPANTS FAIL TO ATTEND THE PRECONSTRUCTION MEETING, OR IF THE INSTALLATION OF THE INITIAL BMP's ARE NOT APPROVED BY THE CITY ESC INSPECTOR, THE APPLICANT WILL HAVE TO PAY A REINSPECTION FEE, ADDRESS ANY PROBLEMS WITH BMP INSTALLATION, AND CALL TO RESCHEDULE THE MEETING, WITH A CORRESPONDING DELAY IN THE START OF CONSTRUCTION. THE CITY STRONGLY ENCOURAGES THE APPLICANT TO HAVE THE ENGINEER OF RECORD AT THE PRECONSTRUCTION MEETING.

20. CONSTRUCTION SHALL NOT BEGIN UNTIL THE CITY ESC INSPECTOR APPROVES THE INSTALLATION OF THE INITIAL BMP's AND THE GRADING PERMIT IS OBTAINED FROM PUBLIC WORKS.

21. THE ESC MANAGER SHALL STRICTLY ADHERE TO THE APPROVED LIMITS OF CONSTRUCTION AT ALL TIMES. THE CITY OF COMMERCE CITY ENGINEERING DIVISION MUST APPROVE ANY CHANGES TO THE LIMITS OF CONSTRUCTION AND, AT THE DISCRETION OF THE ENGINEERING DIVISION, ADDITIONAL EROSION/SEDIMENT CONTROLS MAY BE REQUIRED IN ANY ADDITIONAL AREAS OF CONSTRUCTION.

22. NATURAL VEGETATION SHALL BE RETAINED AND PROTECTED WHEREVER POSSIBLE. EXPOSURE OF SOIL TO EROSION BY REMOVAL OR DISTURBANCE OF VEGETATION SHALL BE LIMITED TO THE AREA REQUIRED FOR IMMEDIATE CONSTRUCTION OPERATIONS.

23. A COPY OF THE GRADING PERMIT AND APPROVED PLANS SHALL BE ON SITE AT ALL TIMES.

24. THE ESC MANAGER SHALL BE RESPONSIBLE FOR ENSURING THAT THE SITE REMAINS IN COMPLIANCE AND SHALL BE THE PERMITTEE'S CONTACT PERSON WITH THE CITY FOR ALL MATTERS PERTAINING TO THE GRADING PERMIT. THE ESC MANAGER SHALL BE PRESENT AT THE SITE THE MAJORITY OF THE TIME AND SHALL BE AVAILABLE THROUGH A 24-HOUR CONTACT NUMBER.

25. THE ESC MANAGER IS RESPONSIBLE FOR CLEANUP OF SEDIMENT OR CONSTRUCTION DEBRIS TRACKED ONTO ADJACENT PAVED AREAS. PAVED AREAS, INCLUDING STREETS, ARE TO BE KEPT CLEAN THROUGHOUT BUILD-OUT AND SHALL BE CLEANED WITH A STREET SWEEPER OR SIMILAR DEVICE AT FIRST NOTICE OF ACCIDENTAL TRACKING OR AT THE DISCRETION OF THE CITY'S ESC INSPECTOR. STREET WASHING IS NOT ALLOWED. THE CITY RESERVES THE RIGHT TO REQUIRE ADDITIONAL MEASURES TO ENSURE AREA STREETS ARE KEPT FREE OF SEDIMENT AND/OR CONSTRUCTION DEBRIS.

26. THE APPROVED PLANS MAY REQUIRE CHANGES OR ALTERATIONS AFTER APPROVAL TO MEET CHANGING SITE OR PROJECT CONDITIONS OR TO ADDRESS INEFFICIENCIES IN DESIGN OR INSTALLATION. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE THROUGH THE CITY APPROVED ACCESS POINTS. A VEHICLE TRACKING CONTROL PAD IS REQUIRED AT ALL ACCESS POINTS ON THE ADDITIONAL STABILIZED CONSTRUCTION ENTRANCES MAY BE ADDED WITH AUTHORIZATION FROM THE COMMERCE CITY ENGINEERING DIVISION.

27. THE ESC MANAGER SHALL OBTAIN PRIOR APPROVAL FROM THE DESIGN ENGINEER AND COMMERCE CITY ENGINEERING DIVISION FOR ANY PROPOSED CHANGES.

28. NO PERMANENT EARTH SLOPES GREATER THAN 3:1 SHALL BE ALLOWED.

29. ANY SETTLEMENT OR SOIL ACCUMULATIONS BEYOND THE LIMITS OF CONSTRUCTION DUE TO GRADING OR EROSION SHALL BE REPAIRED IMMEDIATELY BY THE ESC MANAGER. THE ESC MANAGER SHALL BE HELD RESPONSIBLE FOR OBTAINING ACCESS RIGHTS TO ADJACENT PROPERTY, IF NEEDED, AND REMEDIATING ANY ADVERSE IMPACTS TO ADJACENT WATERWAYS, WETLANDS, PROPERTIES, ETC. RESULTING FROM WORK DONE AS PART OF THIS PROJECT.

30. SOILS THAT WILL BE STOCKPILED FOR MORE THAN THIRTY (30) DAYS SHALL BE SEEDED AND MULCHED WITHIN FOURTEEN (14) DAYS OF STOCKPILE CONSTRUCTION. NO STOCKPILES SHALL BE PLACED WITHIN ONE HUNDRED (100) FEET OF A DRAINAGE WAY UNLESS APPROVED BY THE COMMERCE CITY ENGINEERING DIVISION.

31. ALL CHEMICAL OR HAZARDOUS MATERIAL SPILLS WHICH MAY ENTER WATERS OF THE STATE OF COLORADO, WHICH INCLUDE BUT ARE NOT LIMITED TO, SURFACE WATER, GROUND WATER AND DRY GULLIES OR STORM SEWER LEADING TO SURFACE WATER, SHALL BE IMMEDIATELY REPORTED TO THE CDPHE PER CRS 25-8-601, AND COMMERCE CITY. RELEASES OF PETROLEUM PRODUCTS AND CERTAIN HAZARDOUS SUBSTANCES LISTED UNDER THE FEDERAL CLEAN WATER ACT (40 CFR PART 116) MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER, SOUTH ADAMS COUNTY WATER AND SANITATION DISTRICT AS WELL AS THE CDPHE. SPILLS THAT POSE AN IMMEDIATE RISK TO HUMAN LIFE SHALL BE REPORTED TO 911. FAILURE TO REPORT AND CLEAN UP ANY SPILL SHALL RESULT IN ISSUANCE OF A STOP WORK ORDER.

32. THE CLEANING OF CONCRETE DELIVERY TRUCK CHUTES IS RESTRICTED TO APPROVED CONCRETE WASH OUT LOCATIONS ON THE JOB SITE. THE DISCHARGE OF WATER CONTAINING WASTE CONCRETE TO THE STORM SEWER SYSTEM IS PROHIBITED. ALL CONCRETE WASTE SHALL BE PROPERLY CLEANED UP AND DISPOSED AT AN APPROPRIATE LOCATION.

33. COMMERCE CITY DOES NOT ALLOW HAY BALES AS A FORM OF EROSION AND SEDIMENT CONTROL.

34. ONCE THE SITE HAS REACHED FINAL STABILIZATION, A FINAL INSPECTION SHALL BE SCHEDULED WITH THE CITY'S ESC INSPECTOR. A CERTIFICATE OF OCCUPANCY WILL NOT BE ISSUED AND/OR THE GRADING BOND WILL NOT BE RELEASED UNTIL THE CITY'S ESC INSPECTOR APPROVES FINAL STABILIZATION.

35. CITY OF COMMERCE CITY ESC STANDARD DETAILS TO BE USED:

DETAIL DESCRIPTION	DETAIL NUMBER
EROSION AND SEDIMENT CONTROL	800-06
EROSION AND SEDIMENT CONTROL	800-11

WILLIAMS AHMAAD LARON AND WILLIAMS ANN MAE
5803 POPLAR ST
COMMERCE CITY CO 80022-4139
PN: 0182308411018
RN: 2018000023061

WILLIAMS AMIR LAMOND
5801 POPLAR ST
COMMERCE CITY CO 80022-4139
PN: 0182308411019
RN: 2018000023085

MARTINEZ ORLANDO SR
8300 E COLFAX AVE STE 100
DENVER CO 80220-2186
PN: 0182308412007
RN: 14000000016

POPLAR ST

BID ALT 1
ROSE HILL #1
BASE BID

TOE OF SLOPE (TYP)

E. 58TH AVE

100+00 101+00 102+00

0 20' 40'

LEGEND

LIMITS OF CONSTRUCTION	
INLET PROTECTION	IP
SEEDING AND MULCHING	SM
PROPOSED CONTOUR	5200

DRAFT 90% - SUBJECT TO CHANGE
NOT FOR CONSTRUCTION

Know what's below. Call before you dig.

Print Date:	Sheet Revisions		
File Name:	Date:	Comments	Init.
Horiz. Scale: Vert. Scale:			
City Project Manager			
JACOBS			

CITY OF COMMERCE CITY
7887 E. 60TH AVENUE
COMMERCE CITY, CO 80022
PHONE: (303) 289-8150

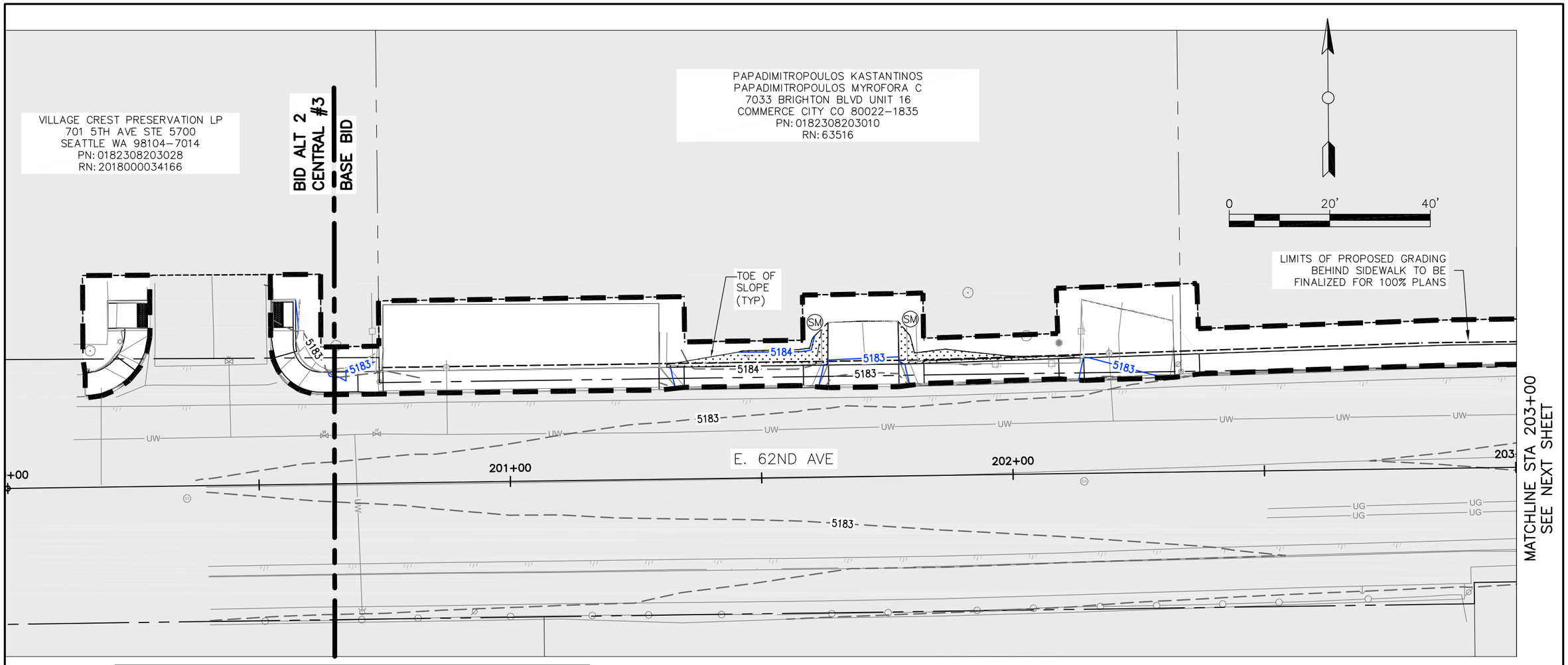
As Constructed
No Revisions:
Revised:
Void:

COMMERCE CITY CDBG SIDEWALK
GRADING & EROSION CONTROL PLAN
ROSE HILL #1

Designer: Sheet Subset:
Detailer: Subset Sheets:

Project Number
WXXX3902

Sheet Number 20



LEGEND

LIMITS OF CONSTRUCTION	
INLET PROTECTION	IP
SEEDING AND MULCHING	SM
PROPOSED CONTOUR	5200

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City Project Manager			
JACOBS			

CITY OF COMMERCE CITY
7887 E. 60TH AVENUE
COMMERCE CITY, CO 80022
PHONE: (303) 289-8150

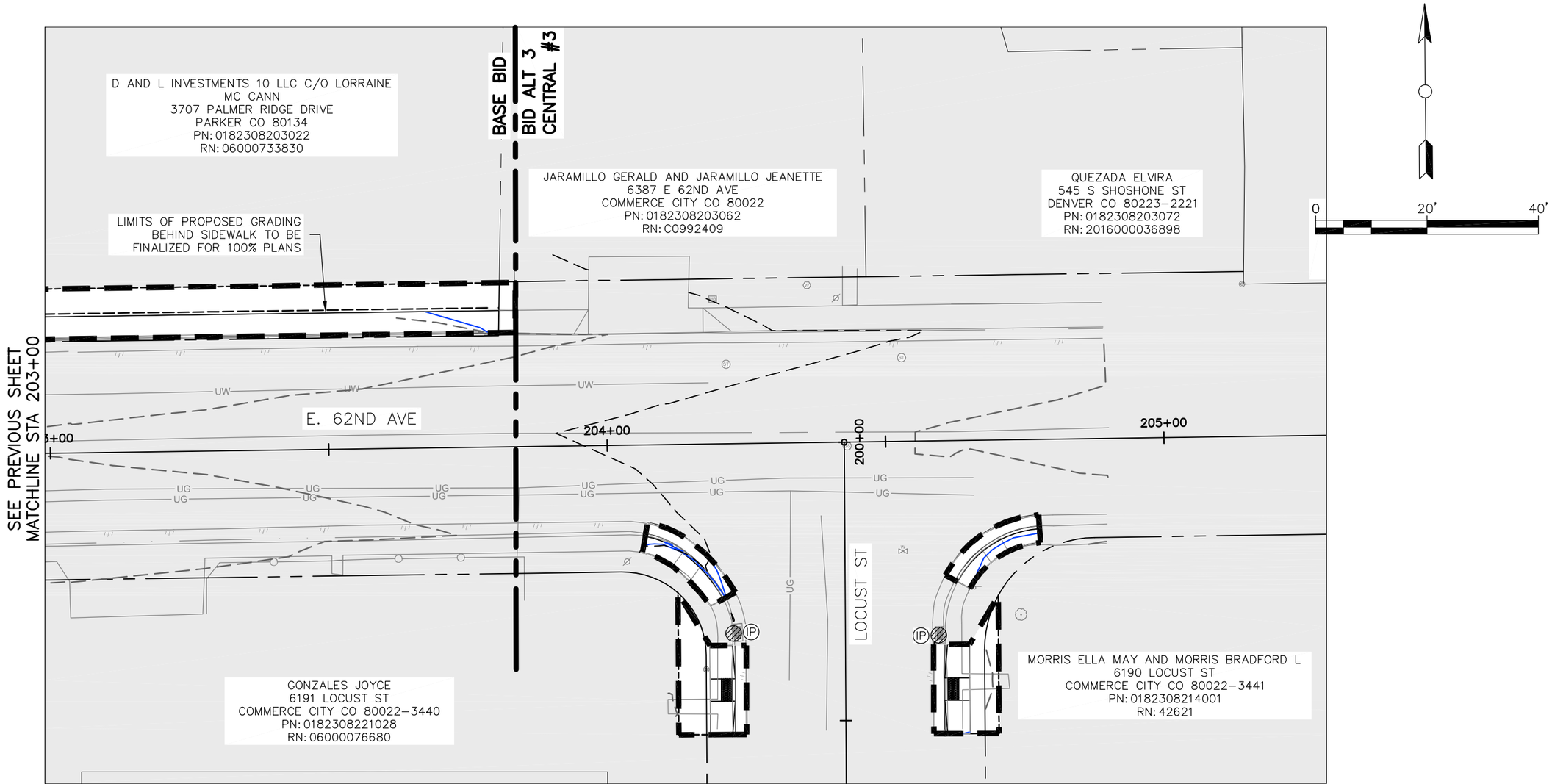
As Constructed
No Revisions:
Revised:
Void:

COMMERCE CITY CDBG SIDEWALK
GRADING & EROSION CONTROL PLAN
CENTRAL #3

Designer:
Detailer:
Sheet Subset:
Subset Sheets:

Project Number
WXXX3902

Sheet Number 21



LEGEND

LIMITS OF CONSTRUCTION	
INLET PROTECTION	IP
SEEDING AND MULCHING	SM
PROPOSED CONTOUR	5200

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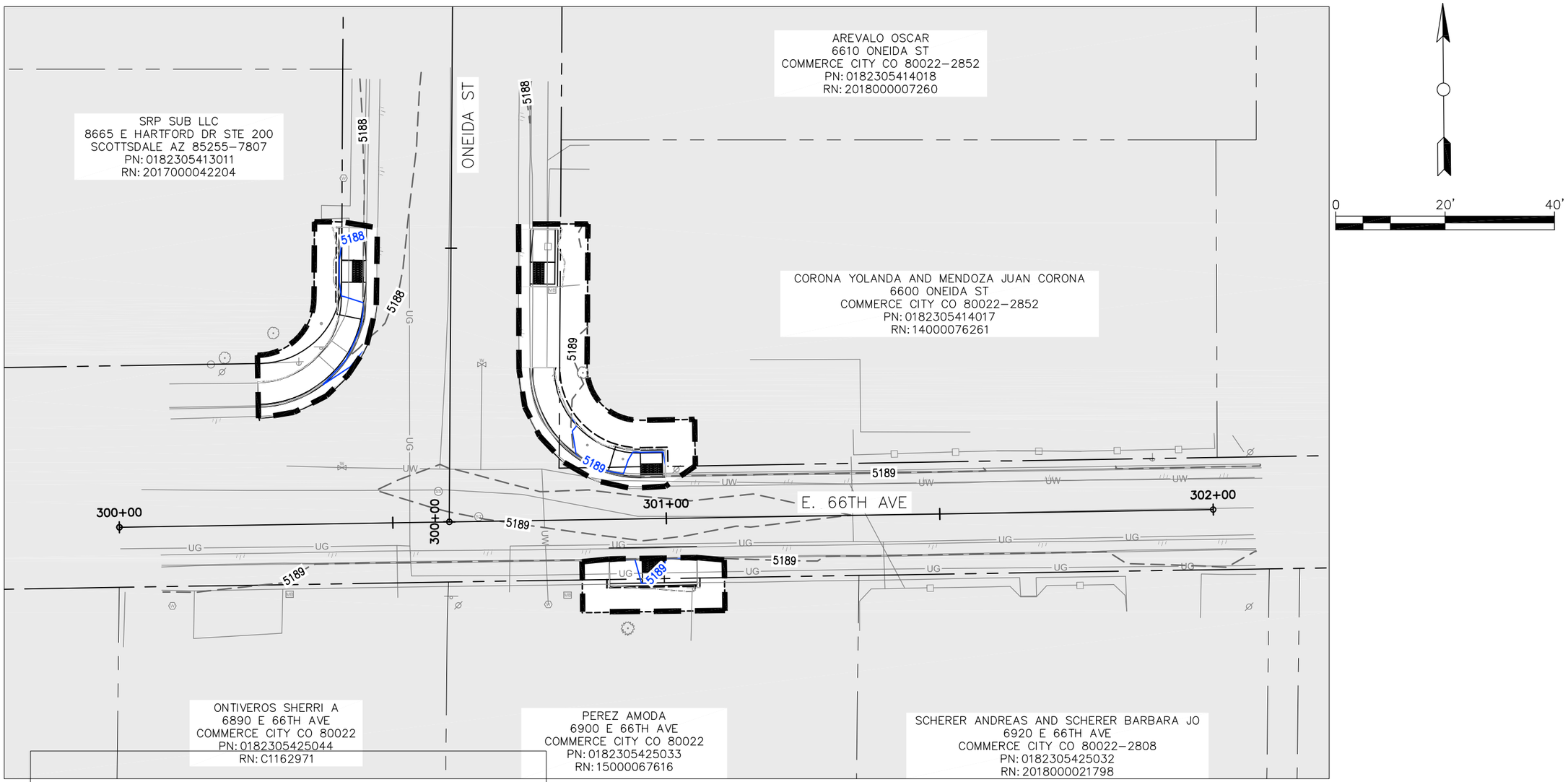
File Name:	Date: / Comments / Init.	7887 E. 60TH AVENUE	No Revisions:
Horiz. Scale: / Vert. Scale:		COMMERCE CITY, CO 80022	Revised:
City Project Manager		PHONE: (303) 289-8150	Void:
JACOBS		Commerce CITY	

COMMERCE CITY CDBG SIDEWALK GRADING & EROSION CONTROL PLAN CENTRAL #3

Designer: | Sheet Subset:
Detailer: | Subset Sheets:

Project Number: WXXX3902

Sheet Number 22



LEGEND

LIMITS OF CONSTRUCTION	
INLET PROTECTION	IP
SEEDING AND MULCHING	SM
PROPOSED CONTOUR	5200

DRAFT 90% - SUBJECT TO CHANGE
NOT FOR CONSTRUCTION

Know what's below. Call before you dig.

Print Date:	Sheet Revisions		
File Name:	Date:	Comments	Init.
Horiz. Scale: Vert. Scale:			
City Project Manager			
JACOBS			

CITY OF COMMERCE CITY
7887 E. 60TH AVENUE
COMMERCE CITY, CO 80022
PHONE: (303) 289–8150

As Constructed
No Revisions:
Revised:
Void:

COMMERCE CITY CDBG SIDEWALK
HORIZONTAL CONTROL TABLE
KEMP #1

Designer:
Detailer:
Sheet Subset:
Subset Sheets:

Project Number
WXXX3902

Sheet Number 23