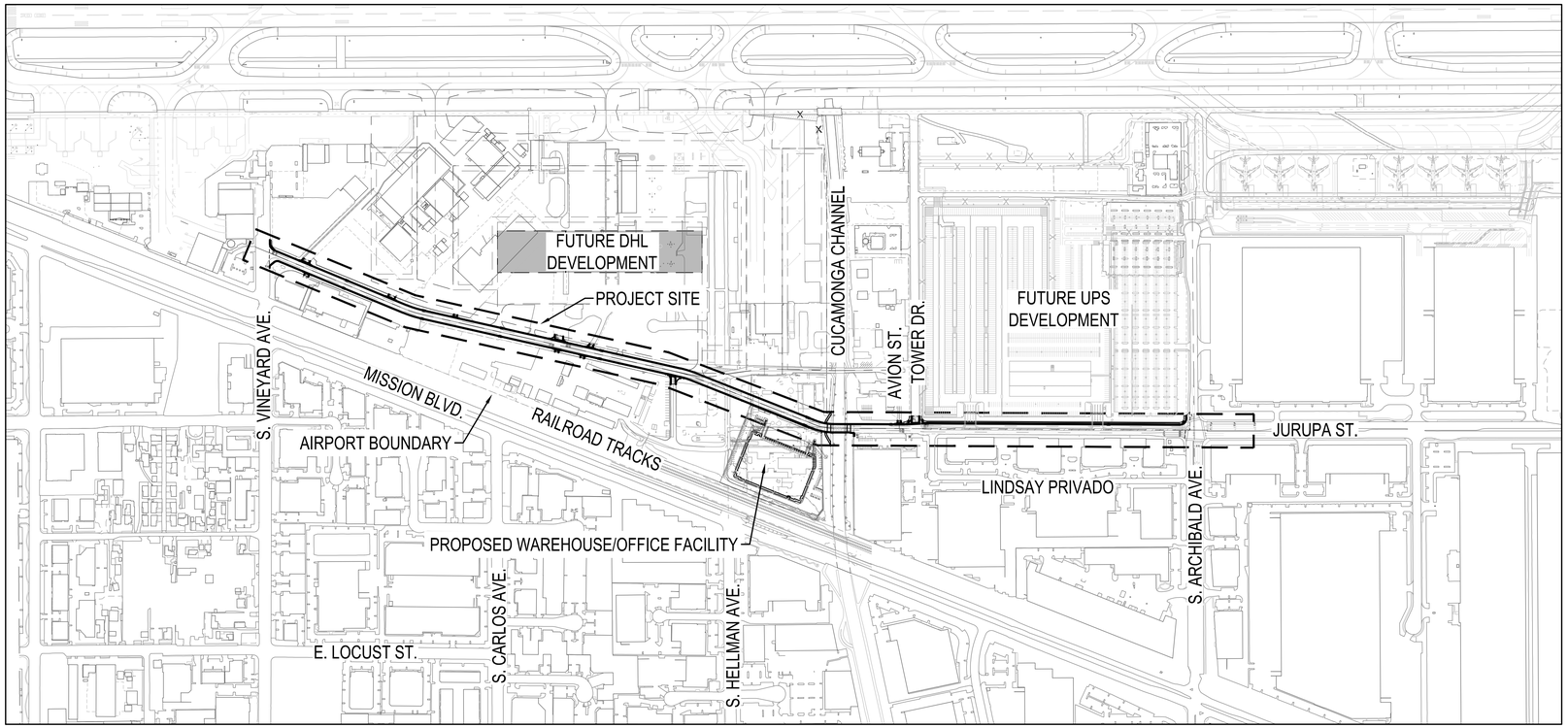
ONTARIO INTERNATIONAL AIRPORT (ONT)

REALIGMENT OF AVION ST. & JURUPA ST.

SUBMITTAL STAGE: 30% DESIGN SUBMITTAL



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COVER SHEET

No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
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53	TS301	TRAFFIC SIGNAL PLAN - ARCHIBALD AVE AT E. JURUPA STREET

ABBREVIATIONS

ABND	ABANDONED
AC	ASPHALT CONCRETE
APPX	APPROXIMATE
ASR	AREA SHUTDOWN REQUEST
BCR	BEGINNING OF CURVE RETURN
BEG	BEGINNING
BK	BOOK
BLVD	BOULEVARD
BP	BEGINNING POINT
BVC	BEGINNING OF VERTICAL CURVE
CC	CIVIL
CCC	CUCAMONGA CREEK CHANNEL
CALM	CONSULTATION AND LOGISTICS MANAGEMENT
CD	CIVIL: DEMO
CF	CURB FACE
CGPS	CONTINUOUS GLOBAL POSITIONING SYSTEM
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CL	CENTERLINE
CONC.	CONCRETE
COMM	COMMUNICATION
CU	CENTRAL UTILITY PLAN
CMU	CONCRETE MASONRY UNIT
DB	DUCT BANK
DCW	DOMESTIC CHILLED WATER
DEG	DEGREE
DIA	DIAMETER
DR	DRIVE
DWG	DRAWING
E	EXISTING \ EASTING
ECR	END OF CURVE RETURN
EVC	END OF VERTICAL CURVE
EG	EXISTING GRADE
EL \ ELEV.	ELEVATION
EP	END POINT
EPA	ENVIRONMENTAL PROTECTION AGENCY
ETC	ETCETERA
EW	EASTWAY
EX	EXISTING
FAA	FEDERAL AVIATION ADMINISTRATION
FD	FIRE DEPARTMENT
FG	FINISHED GRADE
FO	FIBER OPTIC
FW	FIRE WATER
GALV	GALVANIZED
GPM	GALLONS PER MINUTE
HOR	HORIZONTAL
HTWR	HOT WATER RETURN
HTWS	HOT WATER SUPPLY
IE	INVERT ELEVATION
IP	IRON PIPE
IRR	IRRIGATION
JF	JET FUEL
L	LENGTH
LBS	POUNDS
LIR	LAMP IMPACT REPORT
MAG	MAGNETIC
MAX	MAXIMUM
MCL	MAXIMUM CONTAMINANT LEVEL
MH	MANHOLE
MIN	MINIMUM
N	NORTHING
NAVD	NORTH AMERICAN VERTICAL DATUM
NG	NATURAL GAS
NGS	NATIONAL GEODETIC SURVEY
NTS	NOT TO SCALE
OC	ON CENTER
OG	ORIGINAL GRADE
OH	OVERHEAD
O.R.	OFFICIAL RECORDS
P	PLUMBING
PACS	PRIMARY AIRPORT CONTROL STATION
PCC	PORTLAND CEMENT CONCRETE
PC/PS	PRECAST / PRESTRESSED
PH	POTHOLE
PG	PAGE
PL	PROPERTY LINE
PVI	POINT OF VERTICAL INTERSECTION
PI	POINT OF INTERSECTION
PMB	PROCESSED MISCELLANEOUS BASE
PVS	POLYVINYL CHLORIDE
R	RADIUS
RD	ROAD
REF	REFERENCE
REQ	REQUIRED
RR	RAILROAD
RS	RECORD OF SURVEY
R.S.B.	RECORD OF SURVEY BOOK
RW	RECYCLED WATER
R/W	RIGHT OF WAY
S	SOUTH
SACS	SECONDARY AIRPORT CONTROL STATION
SCC	SHUTDOWN CONTROL CENTER
SCE	SOUTHERN CALIFORNIA EDISON
SCH	SCHEDULE
SD	STORM DRAIN
SQ	SQUARE
SS	SANITARY SEWER
SSPWC	STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION
ST	STREET
STA	STATION
STD	STANDARD
TBD	TO BE DETERMINED
TCG	TOP OF CURB AND GUTTER
TEL	TELEPHONE
TP	TOP OF PIPE
TWY	TAXIWAY
TYP	TYPICAL
UNK	UNKNOWN
UR	URINAL
USR	UTILITY SHUTDOWN REQUEST
UT	UTILITY
VC	VERTICAL CURVE
VER	VERTICAL
W	WATER
WC	WATER CLOSET
WLY	WESTERLY
WSFU	WATER SUPPLY FIXTURE UNITS
WWW	WORLD WAY WEST

GENERAL LEGEND

FOR EXISTING AND PROPOSED ITEMS, SEE PLAN SHEETS FOR DEFINITIONS BETWEEN EXISTING AND PROPOSED, TYPICALLY PROPOSED SHALL BE SHOWN DARKER THAN EXISTING

- X X X — FENCE LINE
- SD — STORM DRAINAGE LINE
- SS — SANITARY SEWER LINE
- COM — COMMUNICATIONS LINE
- E — ELECTRICAL LINE
- G — GAS LINE
- F — FUEL LINE
- W — WATER LINE
- RW — RECYCLED WATER LINE
- OH — OVERHEAD LINE
- P-L — PROPERTY LINE
- CENTERLINE

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INDEX AND ABBREVIATIONS

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TAXIWAY S

AIRPORT ADMIN. OFFICES

#3: FD PUNCHED SPIKE IN AC FLUSH , NO REF.

#2108: FD SPIKE & WASHER, NO STAMPING IN AC, FLUSH , NO REF.

ESTABLISHED EXISTING AVION ST. FROM VINEYARD AVE. TO JURUPA ST. BASED UPON IMPROVEMENTS. WE USED EXISTING AERIAL MAPPING TO DEFINE THE LIMITS. MONUMENTS WERE FOUND IN THE FIELD OF UNKNOWN ORIGIN THAT APPEAR TO AGREE WITH THE ALIGNMENT WE CREATED. WE SEARCHED AVAILABLE RECORDS AND FOUND NO EVIDENCE OF DEDICATED STREET.

30' 60'

E. AVION ST.

#2107: FD SPIKE & WASHER, NO STAMPING IN AC, FLUSH , NO REF.

#2106: FD SPIKE & WASHER, NO STAMPING IN AC, FLUSH , NO REF.

S. VINEYARD AVE.

UNION PACIFIC RAILROAD

MISSION BLVD.

28 27 33 34

#9011: FD 2" BRASS DISK STAMPED "SECTION CORNER 28, 27, 33 & 32" IN AC ON 1.0' PER R.S.B. 102/98-102

AIRPORT PROPERTY LINE DERIVED FROM AVAILABLE RECORD DRAWINGS AND AIRPORT LAYOUT PLAN (ALP)

#9050: FD BRASS DISK STAMPED "SECTION 1/4 LINE, 27 & 34" IN WELL MON ON 1.00' PER P.M.B. 145/70-71

#9049: FD 1" IP W/NAIL & TAG STAMPED "LA CITY ENG" & WAS IN 12" CONC. BASE ON 0.50', PER R.S.B. 102/98-102

S. CARLOS AVE.

S. HELLMAN AVE.

E. LOCUST ST.

#9046: FD LEAD & TACK IN CONC. WALK FLUSH, PER R.S.B. 70/95

CUCAMONGA CHANNEL

TOWER DR.

#9044: FD 2 1/2" BRASS DISK STAMPED "SECTION CORNER DOA BNDY 27 & 28", IN WELL MON DN 2.20' PER R.S.B. 70/95

#9045: FD SPK W/PUNCH & WASHER STAMPED "LA CITY ENG" IN AC FLUSH PER R.S.B. 70/95

#9001: FD 1" IP W/NAIL & TAG STAMPED "LA CITY RCE" IN DIRT, FLUSH PER P.M.B. 145/70-71

#1029: FD SPIKE & WASHER, STAMPED "LS 5750" IN AC FLUSH PER P.M.B. 243/66-69

#9000: FD 1" IP W/NAIL & TAG STAMPED "RCE 21062" IN AC, FLUSH PER P.M.B. 145/70-71

JURUPA ST.

26 27 34 35

160' WIDE EASEMENT FOR FLOOD CONTROL INCIDENTAL PURPOSES RECORDED JUNE 3, 1953 IN BK. 3180 PG 453 O.R.

ESTABLISHED THE EAST LINE OF CCC PER RS 9/65-66

LINDSAY PRIVADO

SNF, ESTABLISHED THE EAST LINE OF THE CCC AT RECORD DIST. FROM #9049 PER CS 7130. THERE IS AN ERROR OF +/- 6.0' IN RS 9/65-66 AS MEASURED FROM #9049 TO THE WLY LINE OF ARCHIBALD ALONG THE RR RIGHT OF WAY. IF YOU PROPORTION THE ERROR, YOU GET A DISTANCE OF 709.99'.

S. ARCHIBALD AVE.

P-L

GENERAL SURVEY NOTES:

1. ABOVE REFERENCE NOTES AND DATA SHOWN ARE PRELIMINARY INVESTIGATION PREPARED BY PSOMAS SURVEYOR, DATED 01/05/2021.
2. ALP SURVEY CONTROL WAS USED TO TIE TEMPORARY CONTROL OF PACS AND SACS.

N W E S

0' 100' 200' 400'
SCALE 1" = 200'-0"

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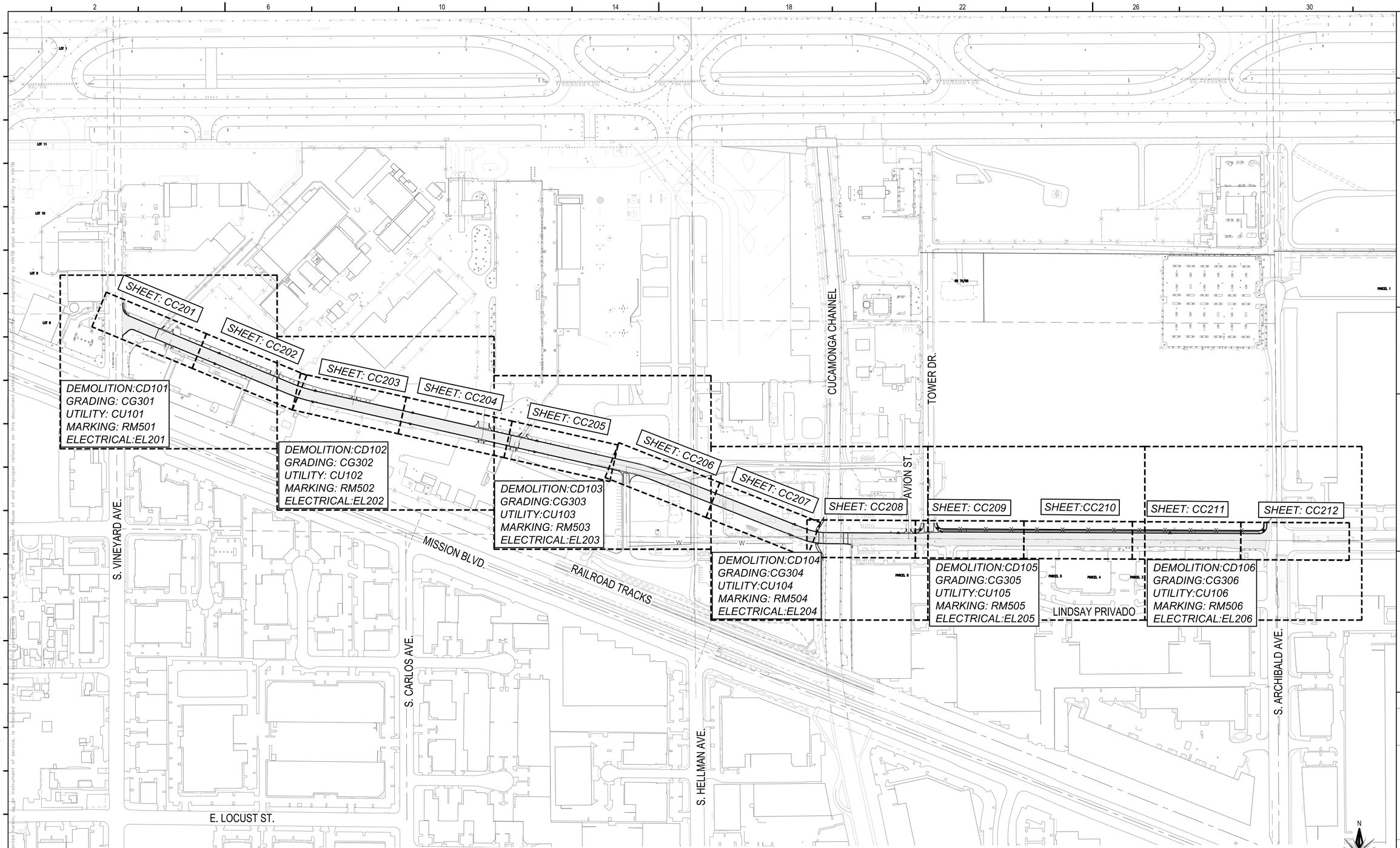
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SURVEY CONTROL PLAN

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0' 100' 200' 400'
SCALE 1" = 200'-0"

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ROADWAY CONTROL KEY MAP

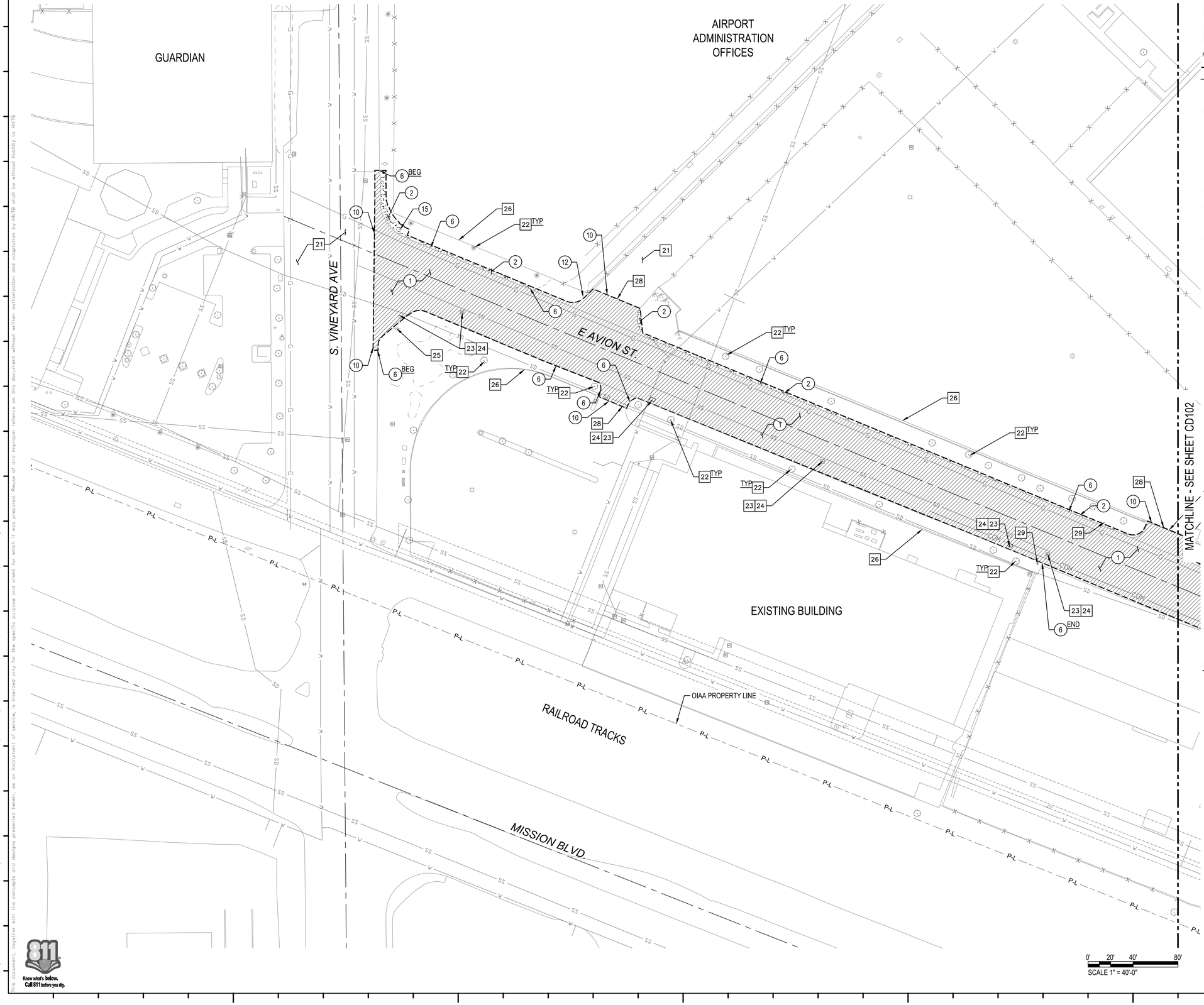
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LEGEND

- EXISTING AC PAVEMENT SECTION REMOVAL
- EXISTING CONCRETE PAVEMENT SECTION REMOVAL
- CLEAR AND GRUB EXISTING LANDSCAPE
- EXISTING FENCE REMOVAL
- SAWCUT / LIMITS OF CONSTRUCTION
- ROADWAY CENTERLINE
- EXISTING ROCK PILE

DEMOLITION NOTES

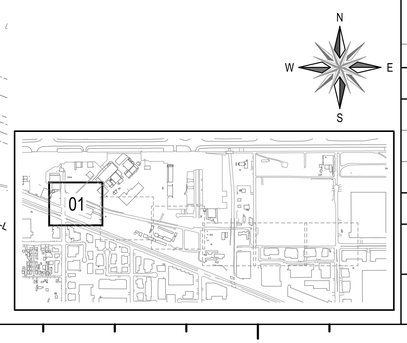
1. REMOVE EXISTING 4" AC AND 4" BASE.
2. CLEAR AND GRUB EXISTING LANDSCAPE AREAS
3. REMOVE EX. FENCE AND ASSOCIATED POSTS (EXTENTS PER PLAN).
4. REMOVE EXISTING K-RAIL
5. REMOVE EXISTING CURB AND GUTTER
6. REMOVE EXISTING CURB/AC DIKE
7. REMOVE ROCK PILES
8. REMOVE EXISTING BUILDING
9. REMOVE EXISTING SIGN POST
10. SAW CUT FULL DEPTH
11. REMOVE EXISTING TREE.
12. REMOVE AND SALVAGE EXISTING TRAFFIC SIGN
13. REMOVE EXISTING POWER POLE
14. REMOVE AND RELOCATE EXISTING SCE AND FRONTIER OVERHEAD LINES - SEE UTILITY PLANS
15. REMOVE AND SALVAGE EXISTING TRAFFIC SIGN
16. REMOVE AND RELOCATE EXISTING POWER POLE - SEE EL201 - EL206
17. REMOVE EXISTING METAL BEAM GUARDRAIL
18. REMOVE EXISTING 12" WATER LINE, TEMPORARY CAP AND PLUG EXISTING LATERALS CONNECTED TO THE EX 12" WATER FOR FUTURE CONNECTIONS TO A PROPOSED 16" WATER LINE SEE CU104 TO CU106
19. REMOVE SECTION OF CMU WALL AND FOUNDATION ON ITS ENTIRETY

PROTECT IN PLACE NOTES

20. PROTECT IN PLACE EX CURB AND GUTTER
21. PROTECT EXISTING AC
22. PROTECT EXISTING TREE
23. PROTECT EXISTING UTILITY MH/VAULT, MONITORING WELL
24. ADJUST TO NEW GRADE
25. PROTECT IN PLACE EXISTING POWER POLE
26. PROTECT IN PLACE EXISTING CMU WALL
27. PROTECT IN PLACE EXISTING CUCAMONGA CHANNEL
28. PROTECT IN PLACE EXISTING CHAIN LINK ROLLING GATE
29. PROTECT IN PLACE EXISTING TRAFFIC SIGN
30. PROTECT IN PLACE EXISTING OVERHEAD UTILITY LINES

NOTES

1. CONTRACTOR TO PROTECT IN PLACE ALL EXISTING UNDERGROUND UTILITIES UNLESS OTHERWISE SPECIFIED ON PLANS.
2. CONTRACTOR TO TO RELOCATE ANY IRRIGATION LINES WITHIN THE CLEAR AND GRUB AREAS.
3. CONTRACTOR TO ADJUST TO NEW GRADE ELEVATIONS ALL SURFACE STRUCTURES LOCATED WITHIN THE SCOPE OF WORK.
4. CONTRACTOR TO COORDINATE WITH SCE AND FRONTIER PRIOR TO THE REMOVAL OF UTILITY LINES AND POLES.
5. SEE ROADWAY CONTROL AND PAVEMENT PLANS FOR LIMITS AND HORIZONTAL CONTROLS.
6. SEE UTILITY PLANS FOR DISPOSITION OF EXISTING UNDERGROUND UTILITIES.
7. SEE GRADING AND DRAINAGE PLANS FOR EXISTING STORM DRAIN.



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DEMOLITION PLAN 1

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MATCHLINE - SEE SHEET CD101

MATCHLINE - SEE SHEET CD103

E AVION ST

RAILROAD TRACKS

MISSION BLVD.

OIAA PROPERTY LINE

LEGEND

- EXISTING AC PAVEMENT SECTION REMOVAL
- EXISTING CONCRETE PAVEMENT SECTION REMOVAL
- CLEAR AND GRUB EXISTING LANDSCAPE
- EXISTING FENCE REMOVAL
- SAWCUT / LIMITS OF CONSTRUCTION
- ROADWAY CENTERLINE
- EXISTING ROCK PILE

DEMOLITION NOTES

1. REMOVE EXISTING 4" AC AND 4" BASE.
2. CLEAR AND GRUB EXISTING LANDSCAPE AREAS
3. REMOVE EX. FENCE AND ASSOCIATED POSTS (EXTENTS PER PLAN).
4. REMOVE EXISTING K-RAIL
5. REMOVE EXISTING CURB AND GUTTER
6. REMOVE EXISTING CURB/AC DIKE
7. REMOVE ROCK PILES
8. REMOVE EXISTING BUILDING
9. REMOVE EXISTING SIGN POST
10. SAW CUT FULL DEPTH
11. REMOVE EXISTING TREE.
12. REMOVE AND SALVAGE EXISTING TRAFFIC SIGN
13. REMOVE EXISTING POWER POLE
14. REMOVE AND RELOCATE EXISTING SCE AND FRONTIER OVERHEAD LINES - SEE UTILITY PLANS
15. REMOVE AND SALVAGE EXISTING TRAFFIC SIGN
16. REMOVE AND RELOCATE EXISTING POWER POLE - SEE EL201 - EL206
17. REMOVE EXISTING METAL BEAM GUARDRAIL
18. REMOVE EXISTING 12" WATER LINE, TEMPORARY CAP AND PLUG EXISTING LATERALS CONNECTED TO THE EX 12" WATER FOR FUTURE CONNECTIONS TO A PROPOSED 16" WATER LINE SEE CU104 TO CU106
19. REMOVE SECTION OF CMU WALL AND FOUNDATION ON ITS ENTIRETY

PROTECT IN PLACE NOTES

20. PROTECT IN PLACE EX CURB AND GUTTER
21. PROTECT EXISTING AC
22. PROTECT EXISTING TREE
23. PROTECT EXISTING UTILITY MH/VAULT, MONITORING WELL
24. ADJUST TO NEW GRADE
25. PROTECT IN PLACE EXISTING POWER POLE
26. PROTECT IN PLACE EXISTING CMU WALL
27. PROTECT IN PLACE EXISTING CUCAMONGA CHANNEL
28. PROTECT IN PLACE EXISTING CHAIN LINK ROLLING GATE
29. PROTECT IN PLACE EXISTING TRAFFIC SIGN
30. PROTECT IN PLACE EXISTING OVERHEAD UTILITY LINES

NOTES

1. CONTRACTOR TO PROTECT IN PLACE ALL EXISTING UNDERGROUND UTILITIES UNLESS OTHERWISE SPECIFIED ON PLANS.
2. CONTRACTOR TO TO RELOCATE ANY IRRIGATION LINES WITHIN THE CLEAR AND GRUB AREAS.
3. CONTRACTOR TO ADJUST TO NEW GRADE ELEVATIONS ALL SURFACE STRUCTURES LOCATED WITHIN THE SCOPE OF WORK.
4. CONTRACTOR TO COORDINATE WITH SCE AND FRONTIER PRIOR TO THE REMOVAL OF UTILITY LINES AND POLES.
5. SEE ROADWAY CONTROL AND PAVEMENT PLANS FOR LIMITS AND HORIZONTAL CONTROLS.
6. SEE UTILITY PLANS FOR DISPOSITION OF EXISTING UNDERGROUND UTILITIES.
7. SEE GRADING AND DRAINAGE PLANS FOR EXISTING STORM DRAIN.

N W E S

0' 20' 40' 80'
SCALE 1" = 40'-0"

02

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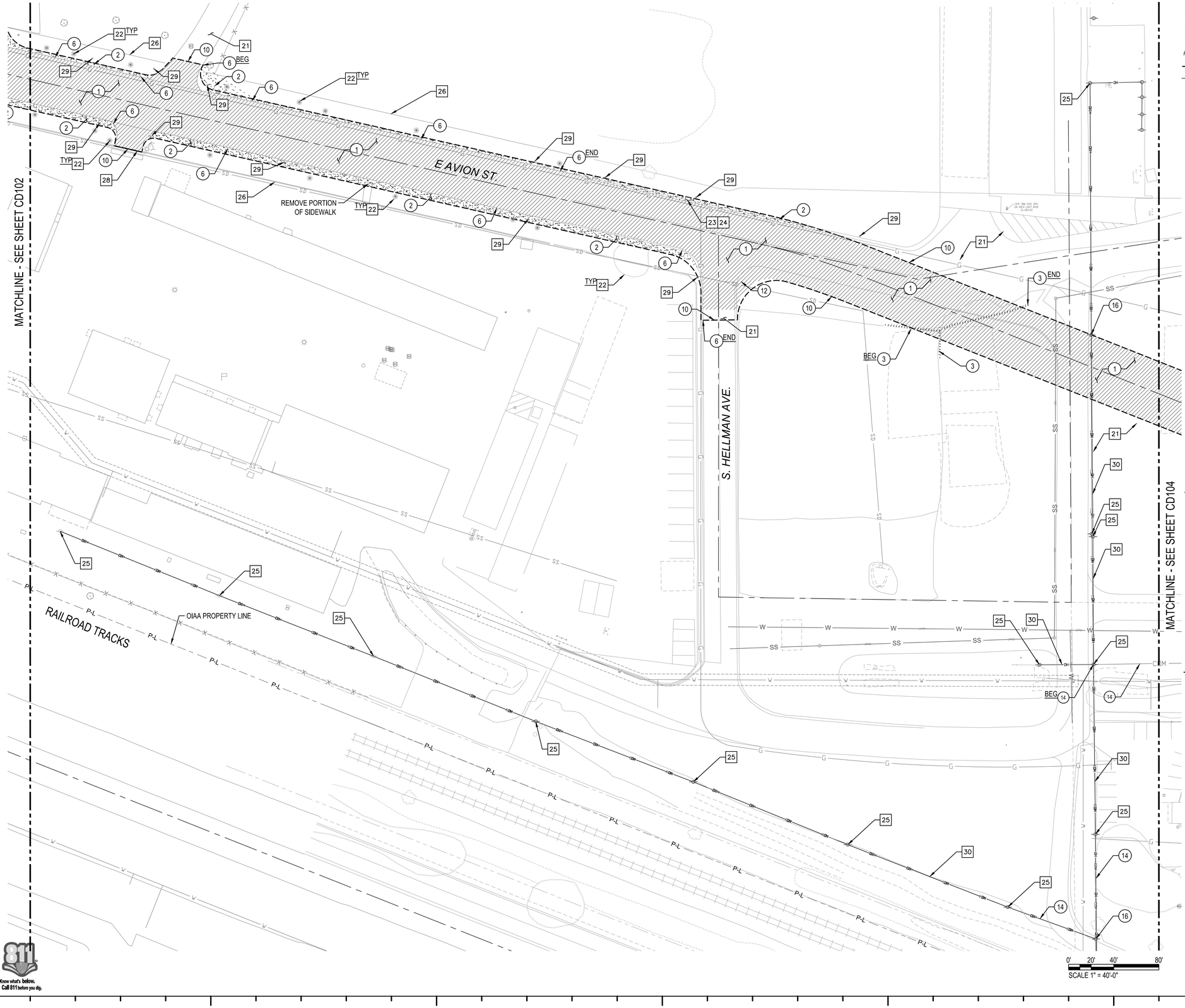
REGISTERED PROFESSIONAL ENGINEER
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No. 55543
Exp. 12/31/22
CIVIL
STATE OF CALIFORNIA

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Ontario International Airport, Ontario, CA

DEMOLITION PLAN 2

No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER **CD102**
SHEET COUNT **6** of **53**



LEGEND

- EXISTING AC PAVEMENT SECTION REMOVAL
- EXISTING CONCRETE PAVEMENT SECTION REMOVAL
- CLEAR AND GRUB EXISTING LANDSCAPE
- EXISTING FENCE REMOVAL
- SAWCUT / LIMITS OF CONSTRUCTION
- ROADWAY CENTERLINE
- EXISTING ROCK PILE

DEMOLITION NOTES

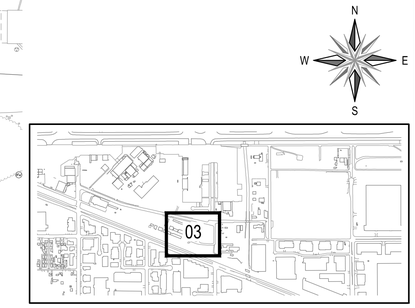
1. REMOVE EXISTING 4" AC AND 4" BASE.
2. CLEAR AND GRUB EXISTING LANDSCAPE AREAS
3. REMOVE EX. FENCE AND ASSOCIATED POSTS (EXTENTS PER PLAN).
4. REMOVE EXISTING K-RAIL
5. REMOVE EXISTING CURB AND GUTTER
6. REMOVE EXISTING CURB/AC DIKE
7. REMOVE ROCK PILES
8. REMOVE EXISTING BUILDING
9. REMOVE EXISTING SIGN POST
10. SAW CUT FULL DEPTH
11. REMOVE EXISTING TREE.
12. REMOVE AND SALVAGE EXISTING TRAFFIC SIGN
13. REMOVE EXISTING POWER POLE
14. REMOVE AND RELOCATE EXISTING SCE AND FRONTIER OVERHEAD LINES - SEE UTILITY PLANS
15. REMOVE AND SALVAGE EXISTING TRAFFIC SIGN
16. REMOVE AND RELOCATE EXISTING POWER POLE - SEE EL201 - EL206
17. REMOVE EXISTING METAL BEAM GUARDRAIL
18. REMOVE EXISTING 12" WATER LINE, TEMPORARY CAP AND PLUG EXISTING LATERALS CONNECTED TO THE EX 12" WATER FOR FUTURE CONNECTIONS TO A PROPOSED 16" WATER LINE SEE CU104 TO CU106
19. REMOVE SECTION OF CMU WALL AND FOUNDATION ON ITS ENTIRETY

PROTECT IN PLACE NOTES

20. PROTECT IN PLACE EX CURB AND GUTTER
21. PROTECT EXISTING AC
22. PROTECT EXISTING TREE
23. PROTECT EXISTING UTILITY MH/VAULT, MONITORING WELL
24. ADJUST TO NEW GRADE
25. PROTECT IN PLACE EXISTING POWER POLE
26. PROTECT IN PLACE EXISTING CMU WALL
27. PROTECT IN PLACE EXISTING CUCAMONGA CHANNEL
28. PROTECT IN PLACE EXISTING CHAIN LINK ROLLING GATE
29. PROTECT IN PLACE EXISTING TRAFFIC SIGN
30. PROTECT IN PLACE EXISTING OVERHEAD UTILITY LINES

NOTES

1. CONTRACTOR TO PROTECT IN PLACE ALL EXISTING UNDERGROUND UTILITIES UNLESS OTHERWISE SPECIFIED ON PLANS.
2. CONTRACTOR TO TO RELOCATE ANY IRRIGATION LINES WITHIN THE CLEAR AND GRUB AREAS.
3. CONTRACTOR TO ADJUST TO NEW GRADE ELEVATIONS ALL SURFACE STRUCTURES LOCATED WITHIN THE SCOPE OF WORK.
4. CONTRACTOR TO COORDINATE WITH SCE AND FRONTIER PRIOR TO THE REMOVAL OF UTILITY LINES AND POLES.
5. SEE ROADWAY CONTROL AND PAVEMENT PLANS FOR LIMITS AND HORIZONTAL CONTROLS.
6. SEE UTILITY PLANS FOR DISPOSITION OF EXISTING UNDERGROUND UTILITIES.
7. SEE GRADING AND DRAINAGE PLANS FOR EXISTING STORM DRAIN.



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JURUPA / AVION STREET CONSTRUCTION
Ontario International Airport, Ontario, CA

DEMOLITION PLAN 3

No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER **CD103**
SHEET COUNT **7** of **53**

Plotted By:Bill Marek Sheet Set:Kha Layout:CD-103 June 08, 2021 02:48:12pm J:\77645_ONT_APL_Avion\00_CADD\01_Sheets\CD-101.dwg
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OLD E. AVION ST

SS

G

MATCHLINE - SEE SHEET CD103

PROPOSED E AVION ST. - E JURUPA ST.

REMOVE EX. CONC. PAD

CUCAMONGA CHANNEL

OLD E. AVION ST

TOWER DR.

MATCHLINE - SEE SHEET CD105

E JURUPA ST.

PROTECT EX. WATER LINE

PROPOSED WAREHOUSE / OFFICE FACILITY SITE

OIAA PROPERTY LINE

OIAA PROPERTY LINE

W COM SS P-L

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0' 20' 40' 80'
SCALE 1" = 40'-0"

LEGEND

- EXISTING AC PAVEMENT SECTION REMOVAL
- EXISTING CONCRETE PAVEMENT SECTION REMOVAL
- CLEAR AND GRUB EXISTING LANDSCAPE
- EXISTING FENCE REMOVAL
- SAWCUT / LIMITS OF CONSTRUCTION
- ROADWAY CENTERLINE
- EXISTING ROCK PILE

DEMOLITION NOTES

1. REMOVE EXISTING 4" AC AND 4" BASE.
2. CLEAR AND GRUB EXISTING LANDSCAPE AREAS
3. REMOVE EX. FENCE AND ASSOCIATED POSTS (EXTENTS PER PLAN).
4. REMOVE EXISTING K-RAIL
5. REMOVE EXISTING CURB AND GUTTER
6. REMOVE EXISTING CURB/AC DIKE
7. REMOVE ROCK PILES
8. REMOVE EXISTING BUILDING
9. REMOVE EXISTING SIGN POST
10. SAW CUT FULL DEPTH
11. REMOVE EXISTING TREE.
12. REMOVE AND SALVAGE EXISTING TRAFFIC SIGN
13. REMOVE EXISTING POWER POLE
14. REMOVE AND RELOCATE EXISTING SCE AND FRONTIER OVERHEAD LINES - SEE UTILITY PLANS
15. REMOVE AND SALVAGE EXISTING TRAFFIC SIGN
16. REMOVE AND RELOCATE EXISTING POWER POLE - SEE EL201 - EL206
17. REMOVE EXISTING METAL BEAM GUARDRAIL
18. REMOVE EXISTING 12" WATER LINE. TEMPORARY CAP AND PLUG EXISTING LATERALS CONNECTED TO THE EX 12" WATER FOR FUTURE CONNECTIONS TO A PROPOSED 16" WATER LINE SEE CU104 TO CU106
19. REMOVE SECTION OF CMU WALL AND FOUNDATION ON ITS ENTIRETY

PROTECT IN PLACE NOTES

20. PROTECT IN PLACE EX CURB AND GUTTER
21. PROTECT EXISTING AC
22. PROTECT EXISTING TREE
23. PROTECT EXISTING UTILITY MH/VAULT, MONITORING WELL
24. ADJUST TO NEW GRADE
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28. PROTECT IN PLACE EXISTING CHAIN LINK ROLLING GATE
29. PROTECT IN PLACE EXISTING TRAFFIC SIGN
30. PROTECT IN PLACE EXISTING OVERHEAD UTILITY LINES

NOTES

1. CONTRACTOR TO PROTECT IN PLACE ALL EXISTING UNDERGROUND UTILITIES UNLESS OTHERWISE SPECIFIED ON PLANS.
2. CONTRACTOR TO TO RELOCATE ANY IRRIGATION LINES WITHIN THE CLEAR AND GRUB AREAS.
3. CONTRACTOR TO ADJUST TO NEW GRADE ELEVATIONS ALL SURFACE STRUCTURES LOCATED WITHIN THE SCOPE OF WORK.
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5. SEE ROADWAY CONTROL AND PAVEMENT PLANS FOR LIMITS AND HORIZONTAL CONTROLS.
6. SEE UTILITY PLANS FOR DISPOSITION OF EXISTING UNDERGROUND UTILITIES.
7. SEE GRADING AND DRAINAGE PLANS FOR EXISTING STORM DRAIN.

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04

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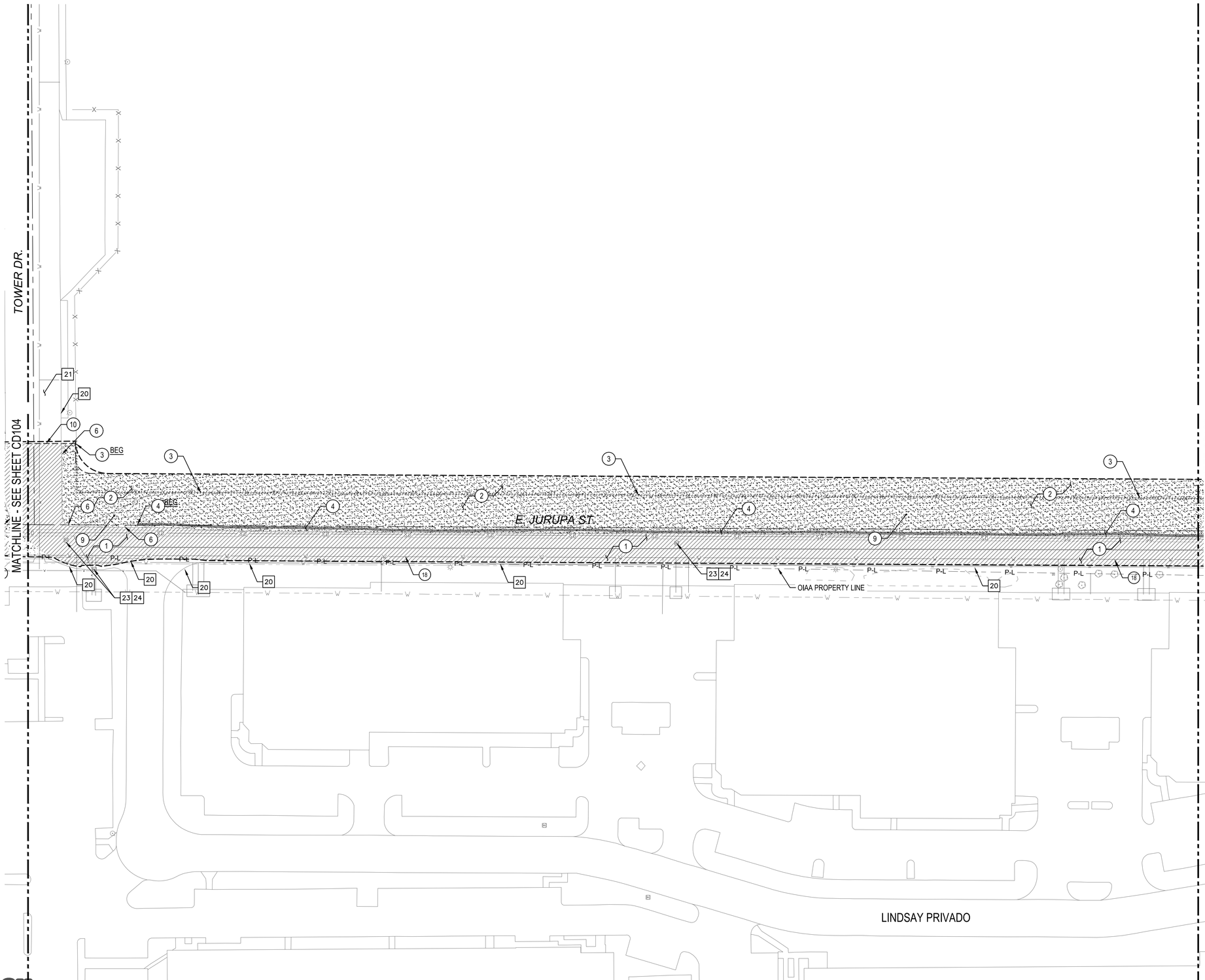
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Exp. 12/31/22
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CONSTRUCTION
Ontario International Airport, Ontario, CA

DEMOLITION PLAN 4

No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER **CD104**
SHEET COUNT **8** of **53**



LEGEND

- EXISTING AC PAVEMENT SECTION REMOVAL
- EXISTING CONCRETE PAVEMENT SECTION REMOVAL
- CLEAR AND GRUB EXISTING LANDSCAPE
- EXISTING FENCE REMOVAL
- SAWCUT / LIMITS OF CONSTRUCTION
- ROADWAY CENTERLINE
- EXISTING ROCK PILE

DEMOLITION NOTES

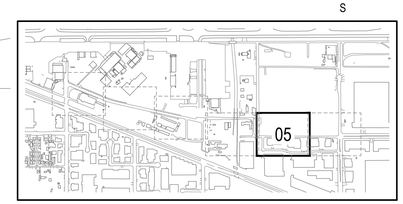
1. REMOVE EXISTING 4" AC AND 4" BASE.
2. CLEAR AND GRUB EXISTING LANDSCAPE AREAS
3. REMOVE EX. FENCE AND ASSOCIATED POSTS (EXTENTS PER PLAN).
4. REMOVE EXISTING K-RAIL
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8. REMOVE EXISTING BUILDING
9. REMOVE EXISTING SIGN POST
10. SAW CUT FULL DEPTH
11. REMOVE EXISTING TREE.
12. REMOVE AND SALVAGE EXISTING TRAFFIC SIGN
13. REMOVE EXISTING POWER POLE
14. REMOVE AND RELOCATE EXISTING SCE AND FRONTIER OVERHEAD LINES - SEE UTILITY PLANS
15. REMOVE AND SALVAGE EXISTING TRAFFIC SIGN
16. REMOVE AND RELOCATE EXISTING POWER POLE - SEE EL201 - EL206
17. REMOVE EXISTING METAL BEAM GUARDRAIL
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19. REMOVE SECTION OF CMU WALL AND FOUNDATION ON ITS ENTIRETY

PROTECT IN PLACE NOTES

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7. SEE GRADING AND DRAINAGE PLANS FOR EXISTING STORM DRAIN.



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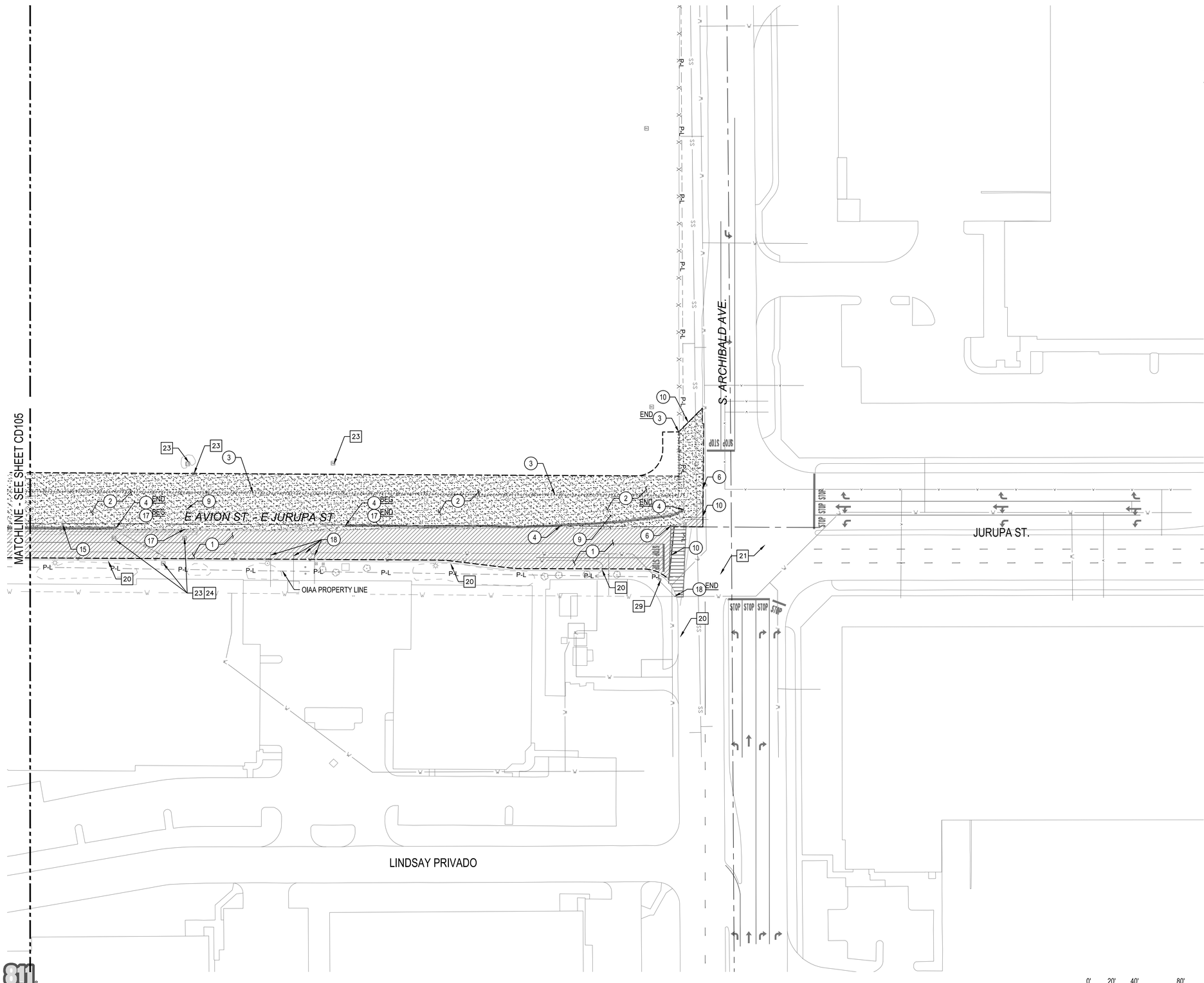
DEMOLITION PLAN 5

No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER **CD105**
SHEET COUNT **9** of **53**

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LEGEND

- EXISTING AC PAVEMENT SECTION REMOVAL
- EXISTING CONCRETE PAVEMENT SECTION REMOVAL
- CLEAR AND GRUB EXISTING LANDSCAPE
- EXISTING FENCE REMOVAL
- SAWCUT / LIMITS OF CONSTRUCTION
- ROADWAY CENTERLINE
- EXISTING ROCK PILE

DEMOLITION NOTES

1. REMOVE EXISTING 4" AC AND 4" BASE.
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10. SAW CUT FULL DEPTH
11. REMOVE EXISTING TREE.
12. REMOVE AND SALVAGE EXISTING TRAFFIC SIGN
13. REMOVE EXISTING POWER POLE
14. REMOVE AND RELOCATE EXISTING SCE AND FRONTIER OVERHEAD LINES - SEE UTILITY PLANS
15. REMOVE AND SALVAGE EXISTING TRAFFIC SIGN
16. REMOVE AND RELOCATE EXISTING POWER POLE - SEE EL201 - EL206
17. REMOVE EXISTING METAL BEAM GUARDRAIL
18. REMOVE EXISTING 12" WATER LINE, TEMPORARY CAP AND PLUG EXISTING LATERALS CONNECTED TO THE EX 12" WATER FOR FUTURE CONNECTIONS TO A PROPOSED 16" WATER LINE SEE CU104 TO CU106
19. REMOVE SECTION OF CMU WALL AND FOUNDATION ON ITS ENTIRETY

PROTECT IN PLACE NOTES

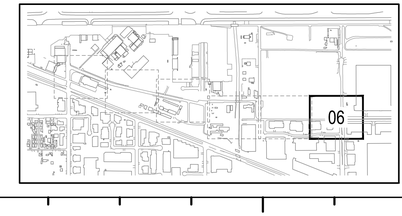
20. PROTECT IN PLACE EX CURB AND GUTTER
21. PROTECT EXISTING AC
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23. PROTECT EXISTING UTILITY MH/VAULT, MONITORING WELL
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NOTES

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5. SEE ROADWAY CONTROL AND PAVEMENT PLANS FOR LIMITS AND HORIZONTAL CONTROLS.
6. SEE UTILITY PLANS FOR DISPOSITION OF EXISTING UNDERGROUND UTILITIES.
7. SEE GRADING AND DRAINAGE PLANS FOR EXISTING STORM DRAIN.

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0' 20' 40' 80'
SCALE 1" = 40'-0"



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No. 55543
Exp. 12/31/22
CIVIL
STATE OF CALIFORNIA

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Ontario International Airport, Ontario, CA

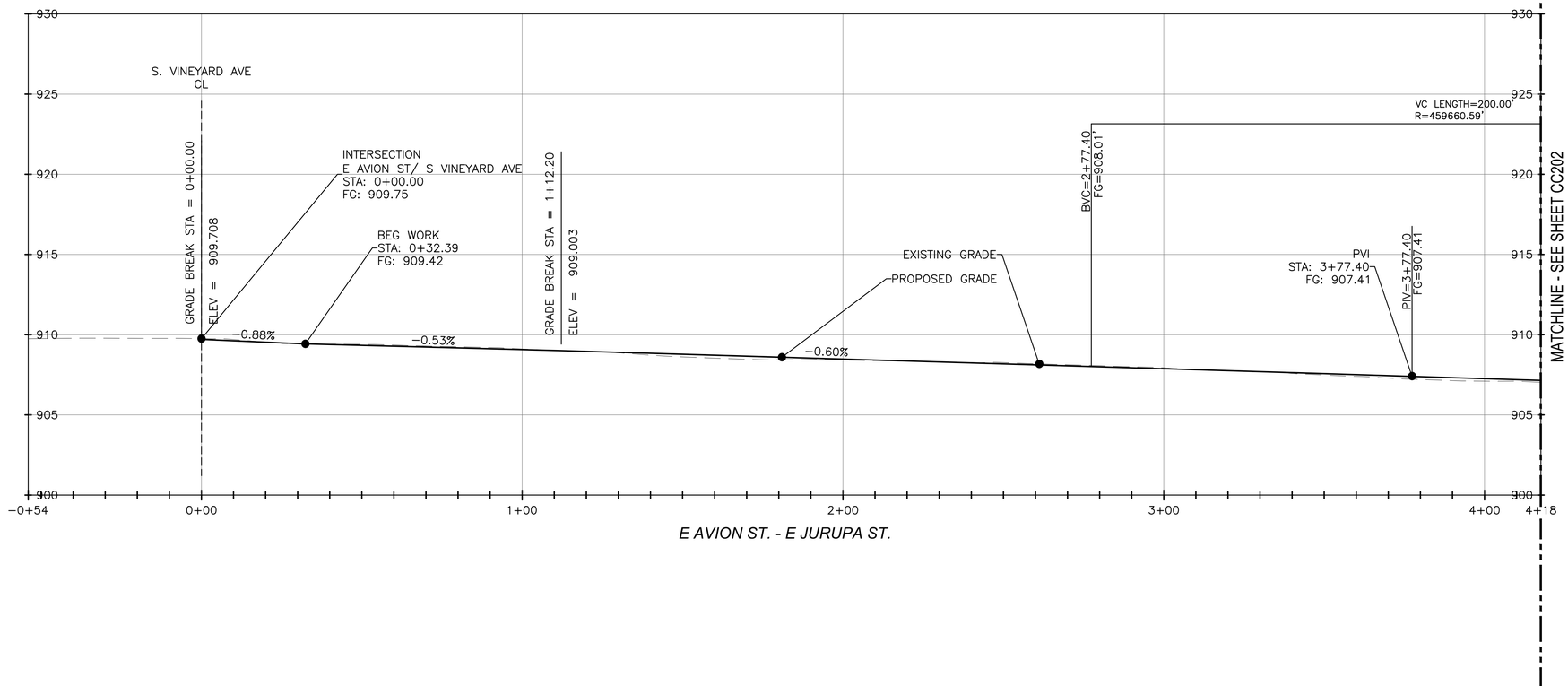
DEMOLITION PLAN 6

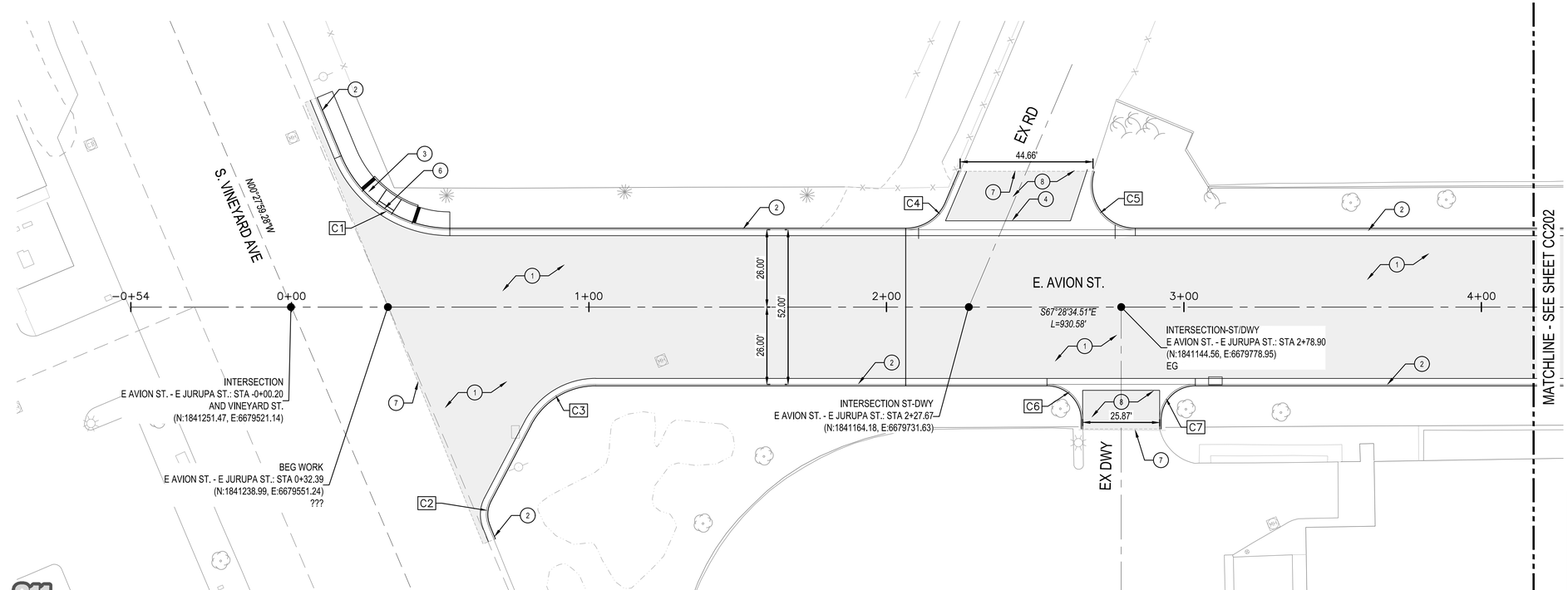
No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER **CD106**
SHEET COUNT **10** of **53**

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LEGEND

- ASPHALT CONCRETE PAVEMENT
- TYPE "B" CURB AND GUTTER
- CONCRETE SIDEWALK
- PROPOSED PC/PS CONCRETE GIRDER BRIDGE PER STRUCTURAL DRAWINGS
- PROPOSED STRUCTURAL SLAB
- PROPOSED LANDSCAPE

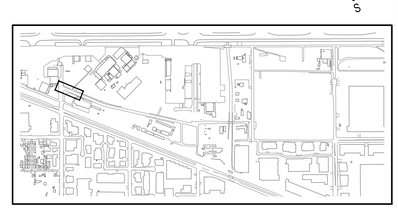
CONSTRUCTION NOTES:

1. 8" THICK ASPHALT CONCRETE OVER 10" CAB PAVEMENT PER CITY OF ONTARIO STD NO.1011. SEE DETAIL 1/CC401
2. "B" TYPE CURB AND GUTTER PER CITY OF ONTARIO STD NO. 1201. SEE DETAIL 2/CC401
3. CONCRETE SIDEWALK PER CITY OF ONTARIO STD NO. 1209. SEE DETAIL 2/CC402
4. CONCRETE CROSS GUTTER PER CITY OF ONTARIO STD NO. 1208. SEE DETAIL 1/CC402.
5. TYPE "I" CONCRETE RAMP PER CITY OF ONTARIO STD NO. 1213. SEE DTAIL 3/CC402
6. TYPE "II" CONCRETE RAMP PER CITY OF ONTARIO STD NO. 1213. SEE DTAIL 3/CC402
7. MATCH EXISTING
8. COMMERCIAL DRIVEWAY APPROACH PER CITY OF ONTARIO STD NO. 1204. SEE DETAIL 3/CC401
9. PROPOSED SD SIDE OPENING CATCH BASIN. SEE CU101 TO CU106. CREATE LOCAL DEPRESSION PER CITY OF ONTARIO STD 3005.
10. EXISTING CONCRETE CURB AND GUTTER.
11. PROPOSED DRIVEWAY PER GOLDEN BRIDGE DEVELOPMENT.
12. EXISTING SIDE-OPENING CATCH BASIN.
13. PROPOSED PC/PS CONCRETE GIRDER BRIDGE WITH CONCRETE BARRIER, SEE S101
14. CONCRETE SLAB-BRIDGE TRANSITION. SEE SHEET S101
15. PROPOSED CUCAMONGA CREEK ACCESS ROAD (BY OTHERS)
16. INSTALL 6' HIGH CHAIN LINK FENCE. SEE DETAIL 4/CC404

NOTES

1. REFER TO SHEETS VS001 FOR PROJECT BENCHMARK AND BASIS OF BEARINGS.
2. SEE SHEETS EL201 - EL206 FOR ELECTRICAL AND STREET LIGHTING PLANS.
3. SEE SHEETS CD101 - CD106 FOR DEMOLITION PLANS.
4. REFER TO SHEETS RM501 TO RM506 FOR ROADWAY MARKING AND SIGNAGE PLANS.
5. REFER TO SHEETS CU101 TO CU106 FOR COMPOSITE UTILITY PLANS.
6. REFER TO SHEETS CG301 TO CG306 FOR GRADING PLANS.

CURVE DATA			
CURVE NO.	RADIUS	L	Δ
C1	40.00'	47.11'	067°28'50"
C2	10.00'	8.69'	049°48'00"
C3	25.00'	27.17'	062°15'30"
C4	15.00'	17.50'	066°51'10"
C5	15.00'	28.30'	108°05'50"
C6	12.00'	18.85'	090°00'00"
C7	12.00'	18.85'	090°00'00"



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CIVIL
STATE OF CALIFORNIA

JURUPA / AVION STREET CONSTRUCTION
Ontario International Airport, Ontario, CA

ROADWAY CONTROL AND PAVEMENT PLAN 1

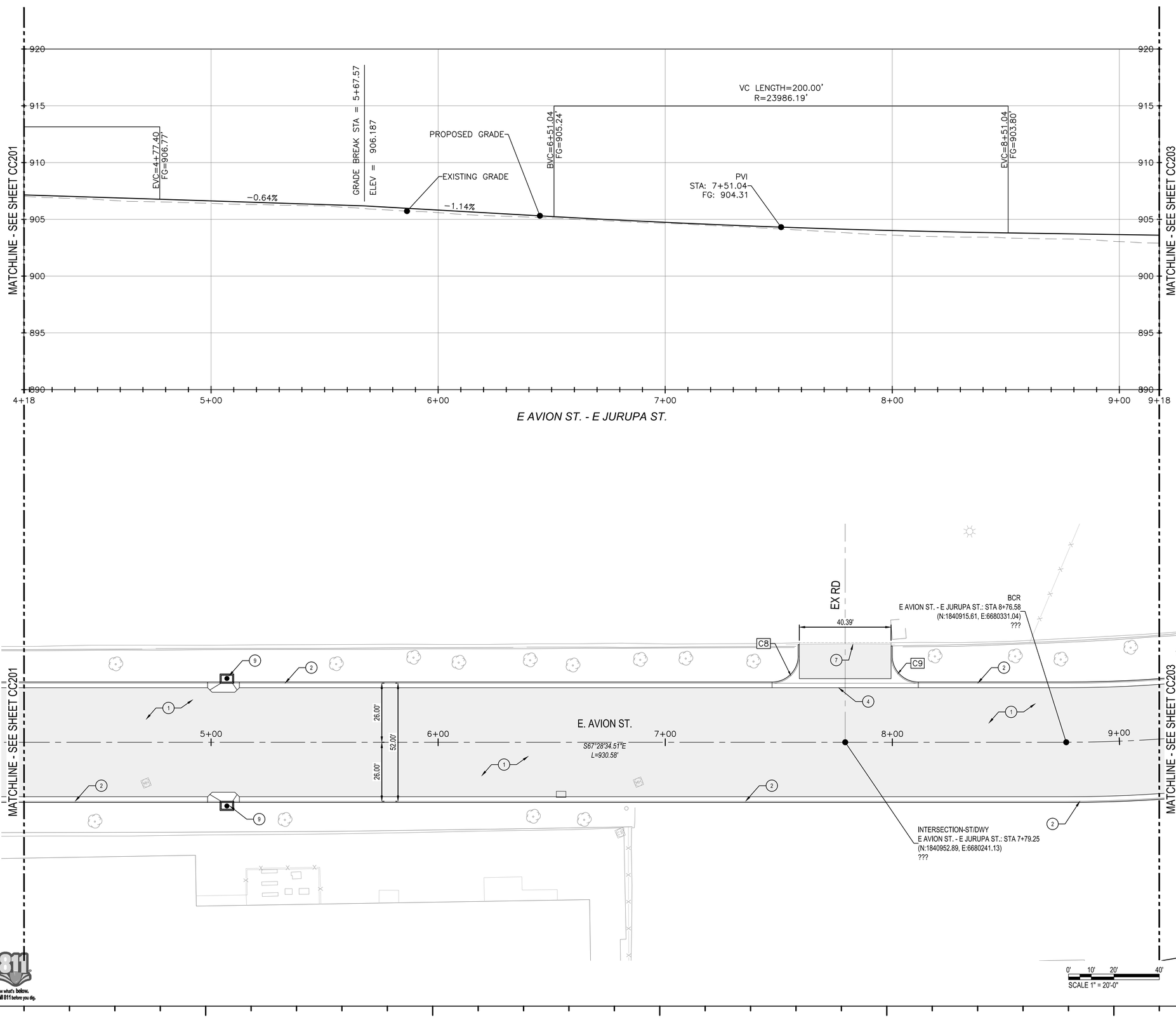
No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER **CC201**
SHEET COUNT **11** of **53**

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LEGEND

- ASPHALT CONCRETE PAVEMENT
- TYPE "B" CURB AND GUTTER
- CONCRETE SIDEWALK
- PROPOSED PC/PS CONCRETE GIRDER BRIDGE PER STRUCTURAL DRAWINGS
- PROPOSED STRUCTURAL SLAB
- PROPOSED LANDSCAPE

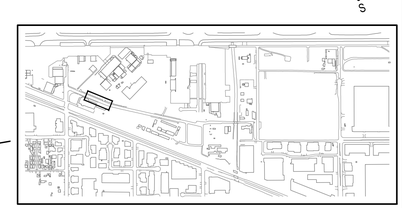
CONSTRUCTION NOTES:

1. 8" THICK ASPHALT CONCRETE OVER 10" CAB PAVEMENT PER CITY OF ONTARIO STD NO.1011. SEE DETAIL 1/CC401
2. "B" TYPE CURB AND GUTTER PER CITY OF ONTARIO STD NO. 1201. SEE DETAIL 2/CC401
3. CONCRETE SIDEWALK PER CITY OF ONTARIO STD NO. 1209. SEE DETAIL 2/CC402
4. CONCRETE CROSS GUTTER PER CITY OF ONTARIO STD NO. 1208. SEE DETAIL 1/CC402.
5. TYPE "I" CONCRETE RAMP PER CITY OF ONTARIO STD NO. 1213. SEE DTAIL 3/CC402
6. TYPE "II" CONCRETE RAMP PER CITY OF ONTARIO STD NO. 1213. SEE DTAIL 3/CC402
7. MATCH EXISTING
8. COMMERCIAL DRIVEWAY APPROACH PER CITY OF ONTARIO STD NO. 1204. SEE DETAIL 3/CC401
9. PROPOSED SD SIDE OPENING CATCH BASIN. SEE CU101 TO CU106. CREATE LOCAL DEPRESSION PER CITY OF ONTARIO STD 3005.
10. EXISTING CONCRETE CURB AND GUTTER.
11. PROPOSED DRIVEWAY PER GOLDEN BRIDGE DEVELOPMENT.
12. EXISTING SIDE-OPENING CATCH BASIN.
13. PROPOSED PC/PS CONCRETE GIRDER BRIDGE WITH CONCRETE BARRIER, SEE S101
14. CONCRETE SLAB-BRIDGE TRANSITION. SEE SHEET S101
15. PROPOSED CUCAMONGA CREEK ACCESS ROAD (BY OTHERS)
16. INSTALL 6' HIGH CHAIN LINK FENCE. SEE DETAIL 4/CC404

NOTES

1. REFER TO SHEETS VS001 FOR PROJECT BENCHMARK AND BASIS OF BEARINGS.
2. SEE SHEETS EL201 - EL206 FOR ELECTRICAL AND STREET LIGHTING PLANS.
3. SEE SHEETS CD101 - CD106 FOR DEMOLITION PLANS.
4. REFER TO SHEETS RM501 TO RM506 FOR ROADWAY MARKING AND SIGNAGE PLANS.
5. REFER TO SHEETS CU101 TO CU106 FOR COMPOSITE UTILITY PLANS.
6. REFER TO SHEETS CG301 TO CG306 FOR GRADING PLANS.

CURVE DATA			
CURVE NO.	RADIUS	L	Δ
C8	12.00'	18.85'	090°00'00"
C9	12.00'	18.85'	090°00'00"



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No. 55543
Exp. 12/31/22
CIVIL
STATE OF CALIFORNIA

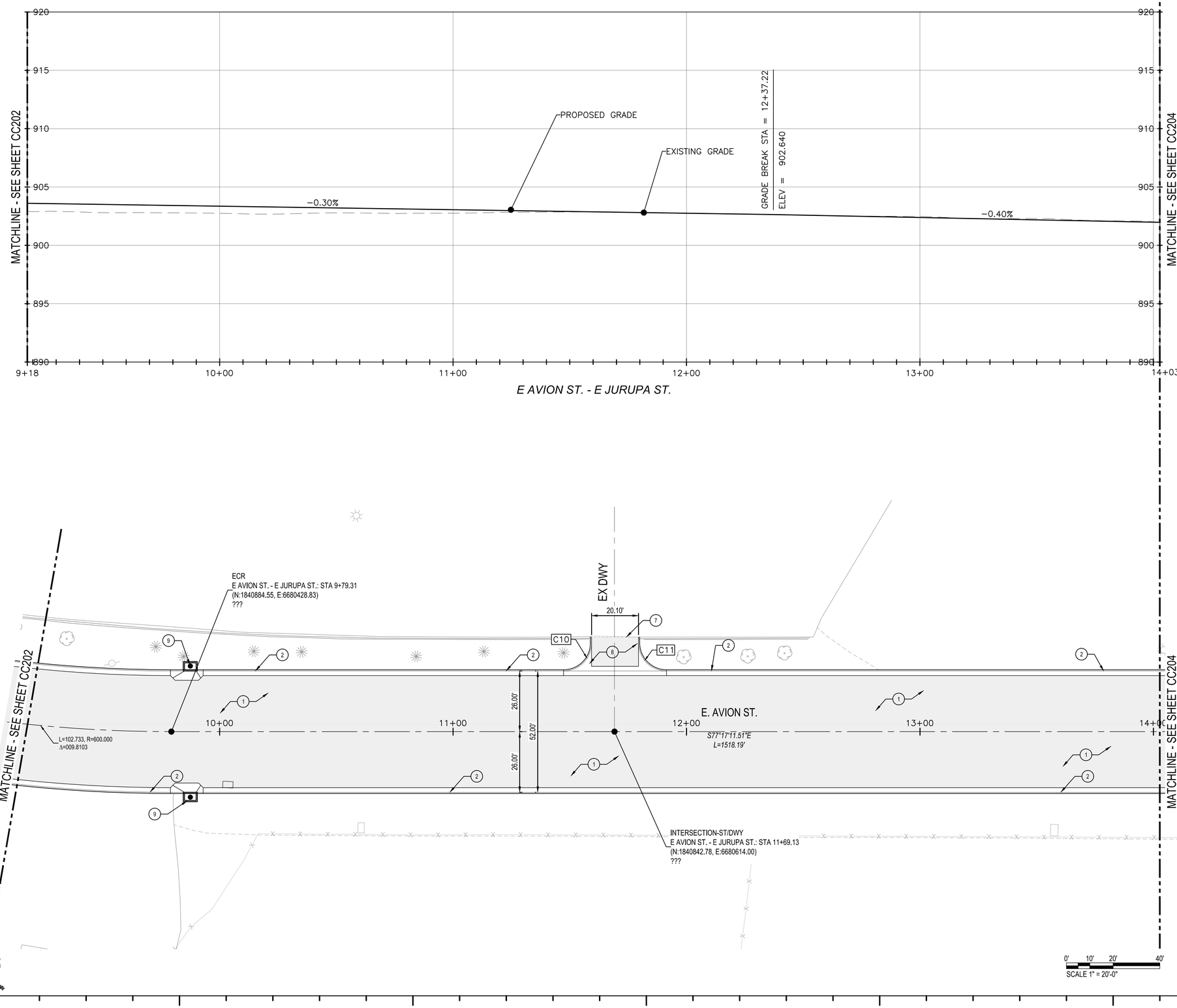
JURUPA / AVION STREET CONSTRUCTION
Ontario International Airport, Ontario, CA

ROADWAY CONTROL AND PAVEMENT PLAN 2

No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER: **CC202**
SHEET COUNT: **12** of **53**

Plotted By:Bill Marek Sheet Set:Kha Layout:C-202 June 08, 2021 02:03:00pm J:\77645_ONT_APL_Avion\00_CADD\01_Sheets\CC-201.dwg
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LEGEND

- ASPHALT CONCRETE PAVEMENT
- TYPE "B" CURB AND GUTTER
- CONCRETE SIDEWALK
- PROPOSED PC/PS CONCRETE GIRDER BRIDGE PER STRUCTURAL DRAWINGS
- PROPOSED STRUCTURAL SLAB
- PROPOSED LANDSCAPE

CONSTRUCTION NOTES:

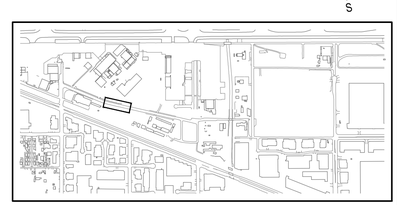
1. 8" THICK ASPHALT CONCRETE OVER 10" CAB PAVEMENT PER CITY OF ONTARIO STD NO.1011. SEE DETAIL 1/CC401
2. "B" TYPE CURB AND GUTTER PER CITY OF ONTARIO STD NO. 1201. SEE DETAIL 2/CC401
3. CONCRETE SIDEWALK PER CITY OF ONTARIO STD NO. 1209. SEE DETAIL 2/CC402
4. CONCRETE CROSS GUTTER PER CITY OF ONTARIO STD NO. 1208. SEE DETAIL 1/CC402.
5. TYPE "I" CONCRETE RAMP PER CITY OF ONTARIO STD NO. 1213. SEE DTAIL 3/CC402
6. TYPE "II" CONCRETE RAMP PER CITY OF ONTARIO STD NO. 1213. SEE DTAIL 3/CC402
7. MATCH EXISTING
8. COMMERCIAL DRIVEWAY APPROACH PER CITY OF ONTARIO STD NO. 1204. SEE DETAIL 3/CC401
9. PROPOSED SD SIDE OPENING CATCH BASIN. SEE CU101 TO CU106. CREATE LOCAL DEPRESSION PER CITY OF ONTARIO STD 3005.
10. EXISTING CONCRETE CURB AND GUTTER.
11. PROPOSED DRIVEWAY PER GOLDEN BRIDGE DEVELOPMENT.
12. EXISTING SIDE-OPENING CATCH BASIN.
13. PROPOSED PC/PS CONCRETE GIRDER BRIDGE WITH CONCRETE BARRIER, SEE S101
14. CONCRETE SLAB-BRIDGE TRANSITION. SEE SHEET S101
15. PROPOSED CUCAMONGA CREEK ACCESS ROAD (BY OTHERS)
16. INSTALL 6' HIGH CHAIN LINK FENCE. SEE DETAIL 4/CC404

NOTES

1. REFER TO SHEETS VS001 FOR PROJECT BENCHMARK AND BASIS OF BEARINGS.
2. SEE SHEETS EL201 - EL206 FOR ELECTRICAL AND STREET LIGHTING PLANS.
3. SEE SHEETS CD101 - CD106 FOR DEMOLITION PLANS.
4. REFER TO SHEETS RM501 TO RM506 FOR ROADWAY MARKING AND SIGNAGE PLANS.
5. REFER TO SHEETS CU101 TO CU106 FOR COMPOSITE UTILITY PLANS.
6. REFER TO SHEETS CG301 TO CG306 FOR GRADING PLANS.

CURVE DATA			
CURVE NO.	RADIUS	L	Δ
C10	12.00'	18.85'	090°00'00"
C11	12.00'	18.85'	090°00'00"

CURVE DATA



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REGISTERED PROFESSIONAL ENGINEER
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No. 55543
Exp. 12/31/22
CIVIL
STATE OF CALIFORNIA

JURUPA / AVION STREET CONSTRUCTION
Ontario International Airport, Ontario, CA

ROADWAY CONTROL AND PAVEMENT PLAN 3

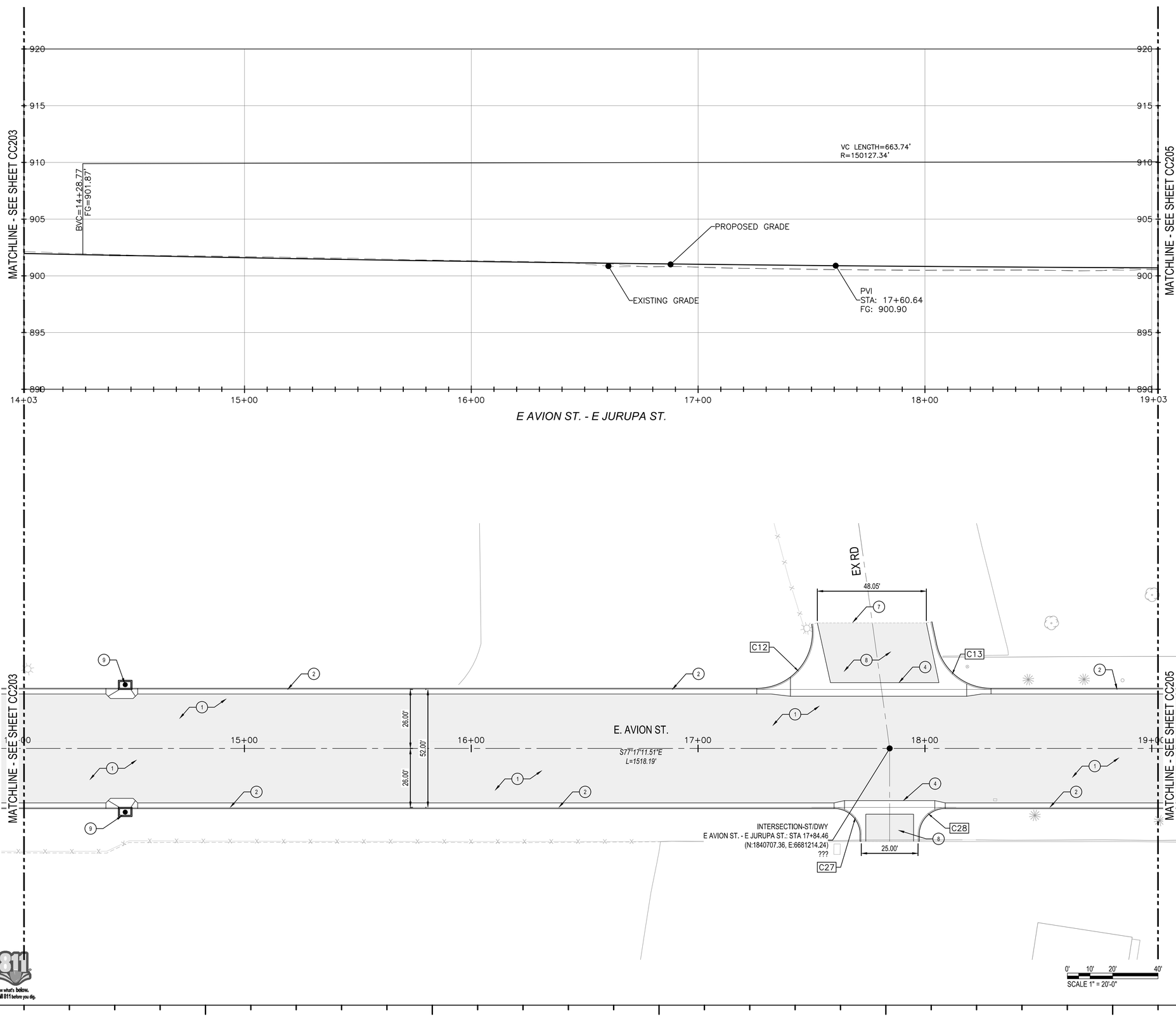
No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER **CC203**
SHEET COUNT **13** of **53**

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Plotted By:Bill Marek Sheet Set:Kha Layout:C-203 June 08, 2021 02:07:40pm J:\77645_ONT_APL_Avion\00_CADD\01_Sheets\CC-201.dwg



LEGEND

- ASPHALT CONCRETE PAVEMENT
- TYPE "B" CURB AND GUTTER
- CONCRETE SIDEWALK
- PROPOSED PC/PS CONCRETE GIRDER BRIDGE PER STRUCTURAL DRAWINGS
- PROPOSED STRUCTURAL SLAB
- PROPOSED LANDSCAPE

CONSTRUCTION NOTES:

1. 8" THICK ASPHALT CONCRETE OVER 10" CAB PAVEMENT PER CITY OF ONTARIO STD NO.1011. SEE DETAIL 1/CC401
2. "B" TYPE CURB AND GUTTER PER CITY OF ONTARIO STD NO. 1201. SEE DETAIL 2/CC401
3. CONCRETE SIDEWALK PER CITY OF ONTARIO STD NO. 1209. SEE DETAIL 2/CC402
4. CONCRETE CROSS GUTTER PER CITY OF ONTARIO STD NO. 1208. SEE DETAIL 1/CC402.
5. TYPE "I" CONCRETE RAMP PER CITY OF ONTARIO STD NO. 1213. SEE DTAIL 3/CC402
6. TYPE "II" CONCRETE RAMP PER CITY OF ONTARIO STD NO. 1213. SEE DTAIL 3/CC402
7. MATCH EXISTING
8. COMMERCIAL DRIVEWAY APPROACH PER CITY OF ONTARIO STD NO. 1204. SEE DETAIL 3/CC401
9. PROPOSED SD SIDE OPENING CATCH BASIN. SEE CU101 TO CU106. CREATE LOCAL DEPRESSION PER CITY OF ONTARIO STD 3005.
10. EXISTING CONCRETE CURB AND GUTTER.
11. PROPOSED DRIVEWAY PER GOLDEN BRIDGE DEVELOPMENT.
12. EXISTING SIDE-OPENING CATCH BASIN.
13. PROPOSED PC/PS CONCRETE GIRDER BRIDGE WITH CONCRETE BARRIER, SEE S101
14. CONCRETE SLAB-BRIDGE TRANSITION. SEE SHEET S101
15. PROPOSED CUCAMONGA CREEK ACCESS ROAD (BY OTHERS)
16. INSTALL 6' HIGH CHAIN LINK FENCE. SEE DETAIL 4/CC404

NOTES

1. REFER TO SHEETS VS001 FOR PROJECT BENCHMARK AND BASIS OF BEARINGS.
2. SEE SHEETS EL201 - EL206 FOR ELECTRICAL AND STREET LIGHTING PLANS.
3. SEE SHEETS CD101 - CD106 FOR DEMOLITION PLANS.
4. REFER TO SHEETS RM501 TO RM506 FOR ROADWAY MARKING AND SIGNAGE PLANS.
5. REFER TO SHEETS CU101 TO CU106 FOR COMPOSITE UTILITY PLANS.
6. REFER TO SHEETS CG301 TO CG306 FOR GRADING PLANS.

CURVE DATA			
CURVE NO.	RADIUS	L	Δ
C12	25.00'	44.71'	102°27'50"
C13	25.00'	34.06'	078°04'00"
C27	12.00'	18.85'	090°00'00"
C28	12.00'	18.85'	089°59'20"

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STATE OF CALIFORNIA

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Ontario International Airport, Ontario, CA

ROADWAY CONTROL AND PAVEMENT PLAN 4

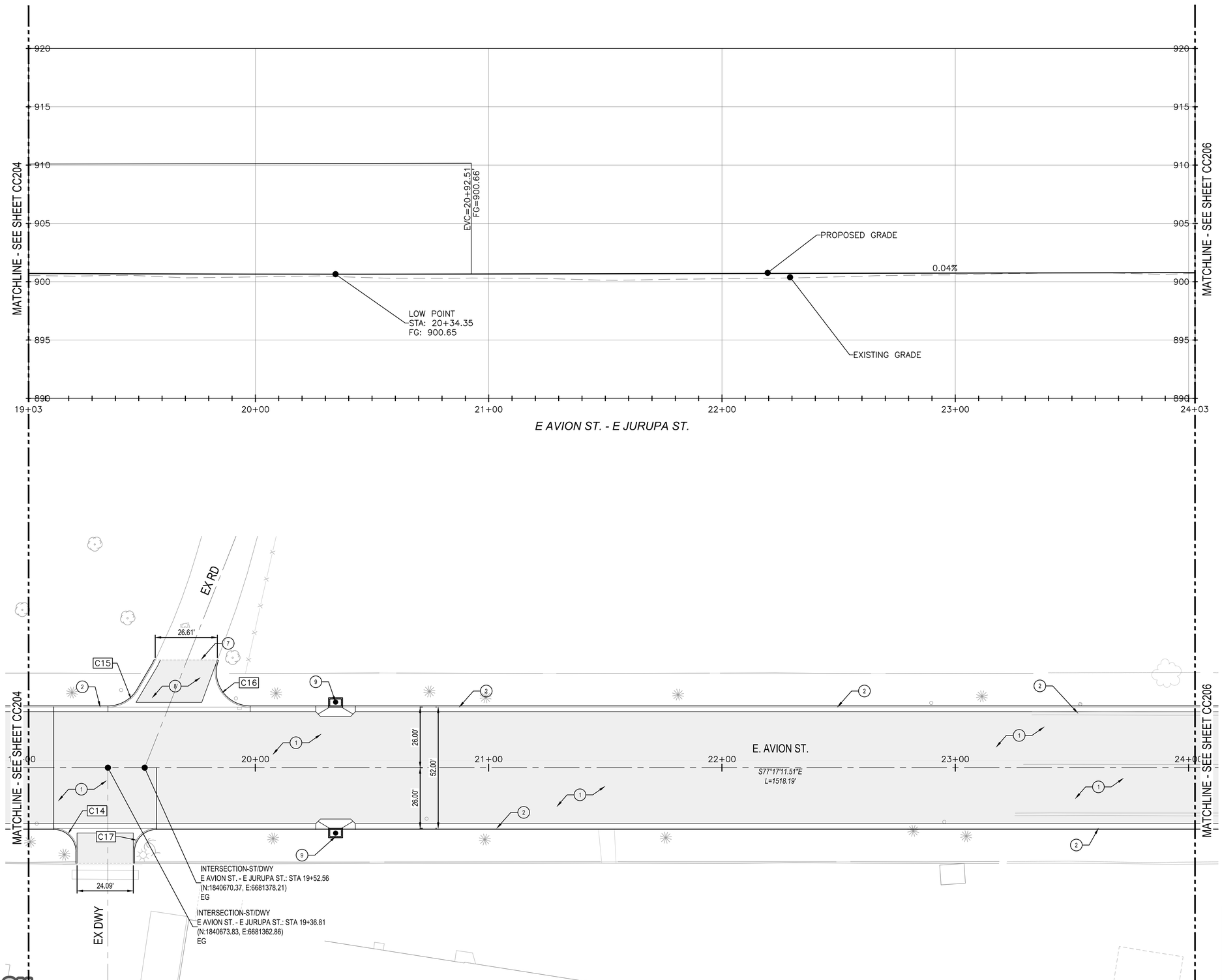
No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER: CC204
SHEET COUNT: 14 of 53

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Plotted By:Bill Marek Sheet Set:Kha Layout:C-204 June 08, 2021 02:12:14pm J:\77645_ONT_APL_Avion\06_CADD\01_Sheets\CC-201.dwg



LEGEND

- ASPHALT CONCRETE PAVEMENT
- TYPE "B" CURB AND GUTTER
- CONCRETE SIDEWALK
- PROPOSED PC/PS CONCRETE GIRDER BRIDGE PER STRUCTURAL DRAWINGS
- PROPOSED STRUCTURAL SLAB
- PROPOSED LANDSCAPE

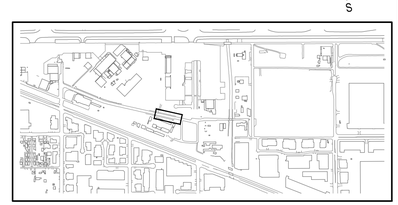
CONSTRUCTION NOTES:

1. 8" THICK ASPHALT CONCRETE OVER 10" CAB PAVEMENT PER CITY OF ONTARIO STD NO.1011. SEE DETAIL 1/CC401
2. "B" TYPE CURB AND GUTTER PER CITY OF ONTARIO STD NO. 1201. SEE DETAIL 2/CC401
3. CONCRETE SIDEWALK PER CITY OF ONTARIO STD NO. 1209. SEE DETAIL 2/CC402
4. CONCRETE CROSS GUTTER PER CITY OF ONTARIO STD NO. 1208. SEE DETAIL 1/CC402.
5. TYPE "I" CONCRETE RAMP PER CITY OF ONTARIO STD NO. 1213. SEE DTAIL 3/CC402
6. TYPE "II" CONCRETE RAMP PER CITY OF ONTARIO STD NO. 1213. SEE DTAIL 3/CC402
7. MATCH EXISTING
8. COMMERCIAL DRIVEWAY APPROACH PER CITY OF ONTARIO STD NO. 1204. SEE DETAIL 3/CC401
9. PROPOSED SD SIDE OPENING CATCH BASIN. SEE CU101 TO CU106. CREATE LOCAL DEPRESSION PER CITY OF ONTARIO STD 3005.
10. EXISTING CONCRETE CURB AND GUTTER.
11. PROPOSED DRIVEWAY PER GOLDEN BRIDGE DEVELOPMENT.
12. EXISTING SIDE-OPENING CATCH BASIN.
13. PROPOSED PC/PS CONCRETE GIRDER BRIDGE WITH CONCRETE BARRIER, SEE S101
14. CONCRETE SLAB-BRIDGE TRANSITION. SEE SHEET S101
15. PROPOSED CUCAMONGA CREEK ACCESS ROAD (BY OTHERS)
16. INSTALL 6' HIGH CHAIN LINK FENCE. SEE DETAIL 4/CC404

NOTES

1. REFER TO SHEETS VS001 FOR PROJECT BENCHMARK AND BASIS OF BEARINGS.
2. SEE SHEETS EL201 - EL206 FOR ELECTRICAL AND STREET LIGHTING PLANS.
3. SEE SHEETS CD101 - CD106 FOR DEMOLITION PLANS.
4. REFER TO SHEETS RM501 TO RM506 FOR ROADWAY MARKING AND SIGNAGE PLANS.
5. REFER TO SHEETS CU101 TO CU106 FOR COMPOSITE UTILITY PLANS.
6. REFER TO SHEETS CG301 TO CG306 FOR GRADING PLANS.

CURVE DATA			
CURVE NO.	RADIUS	L	Δ
C14	10.00'	15.71'	090°00'00"
C15	15.00'	15.73'	060°04'00"
C16	15.00'	28.86'	110°13'20"
C17	10.00'	15.71'	090°00'00"



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Exp. 12/31/22
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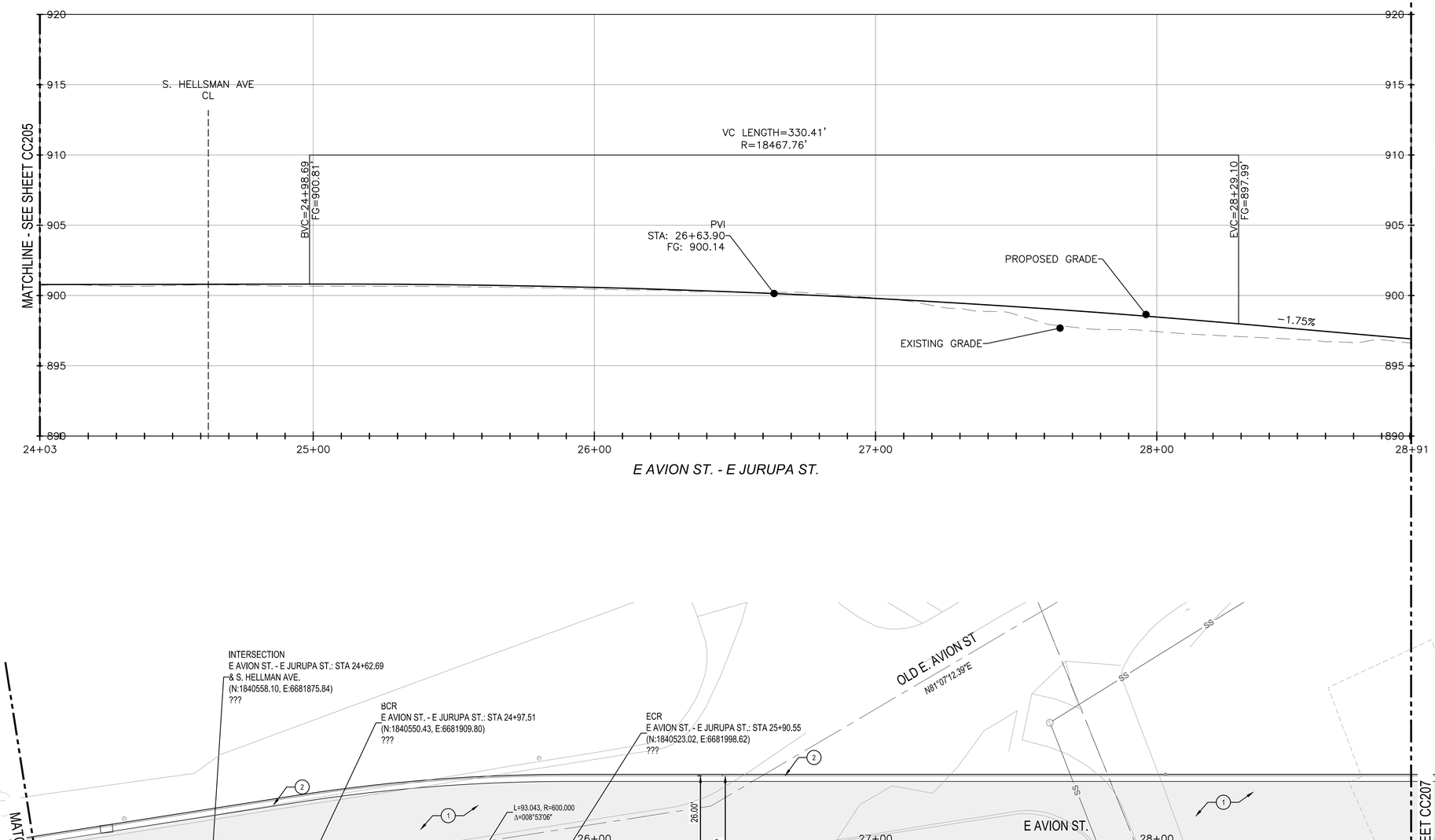
JURUPA / AVION STREET CONSTRUCTION
Ontario International Airport, Ontario, CA

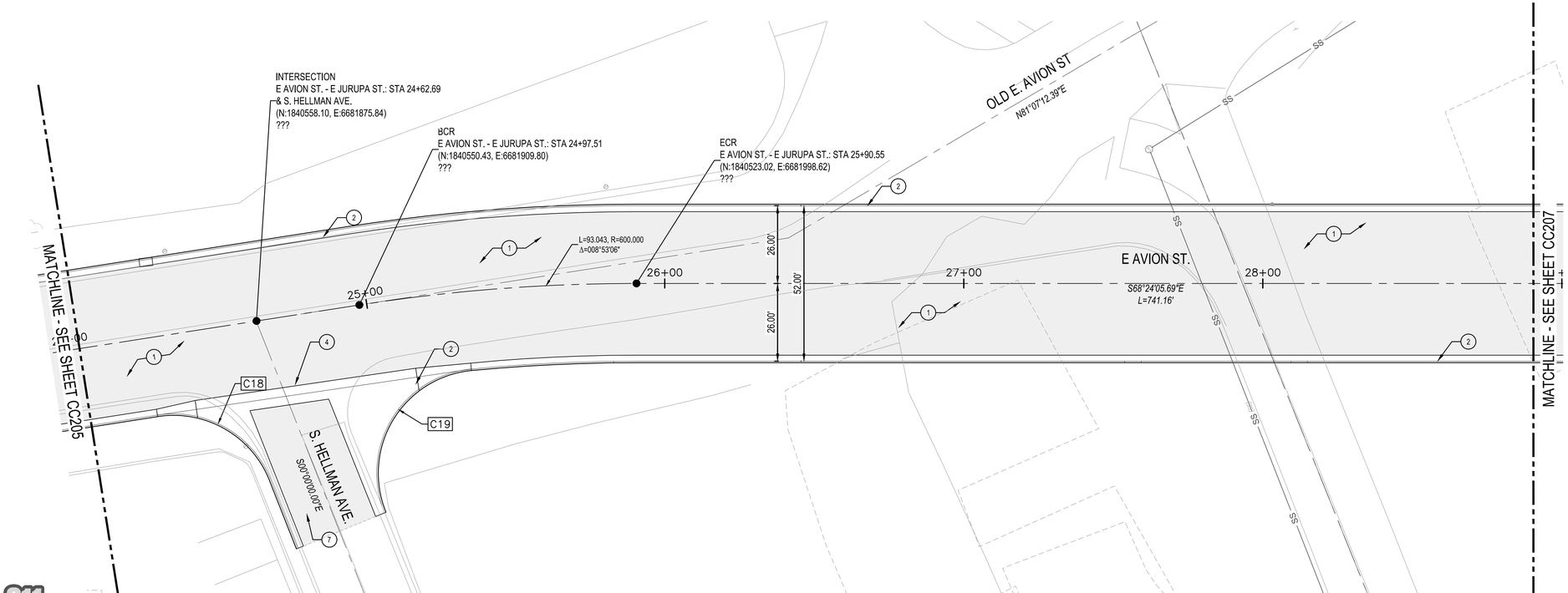
ROADWAY CONTROL AND PAVEMENT PLAN 5

No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER **CC205**
SHEET COUNT **15** of **53**

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LEGEND

- ASPHALT CONCRETE PAVEMENT
- TYPE "B" CURB AND GUTTER
- CONCRETE SIDEWALK
- PROPOSED PC/PS CONCRETE GIRDER BRIDGE PER STRUCTURAL DRAWINGS
- PROPOSED STRUCTURAL SLAB
- PROPOSED LANDSCAPE

CONSTRUCTION NOTES:

1. 8" THICK ASPHALT CONCRETE OVER 10" CAB PAVEMENT PER CITY OF ONTARIO STD NO.1011. SEE DETAIL 1/CC401
2. "B" TYPE CURB AND GUTTER PER CITY OF ONTARIO STD NO. 1201. SEE DETAIL 2/CC401
3. CONCRETE SIDEWALK PER CITY OF ONTARIO STD NO. 1209. SEE DETAIL 2/CC402
4. CONCRETE CROSS GUTTER PER CITY OF ONTARIO STD NO. 1208. SEE DETAIL 1/CC402.
5. TYPE "I" CONCRETE RAMP PER CITY OF ONTARIO STD NO. 1213. SEE DTAIL 3/CC402
6. TYPE "II" CONCRETE RAMP PER CITY OF ONTARIO STD NO. 1213. SEE DTAIL 3/CC402
7. MATCH EXISTING
8. COMMERCIAL DRIVEWAY APPROACH PER CITY OF ONTARIO STD NO. 1204. SEE DETAIL 3/CC401
9. PROPOSED SD SIDE OPENING CATCH BASIN. SEE CU101 TO CU106. CREATE LOCAL DEPRESSION PER CITY OF ONTARIO STD 3005.
10. EXISTING CONCRETE CURB AND GUTTER.
11. PROPOSED DRIVEWAY PER GOLDEN BRIDGE DEVELOPMENT.
12. EXISTING SIDE-OPENING CATCH BASIN.
13. PROPOSED PC/PS CONCRETE GIRDER BRIDGE WITH CONCRETE BARRIER, SEE S101
14. CONCRETE SLAB-BRIDGE TRANSITION. SEE SHEET S101
15. PROPOSED CUCAMONGA CREEK ACCESS ROAD (BY OTHERS)
16. INSTALL 6' HIGH CHAIN LINK FENCE. SEE DETAIL 4/CC404

NOTES

1. REFER TO SHEETS VS001 FOR PROJECT BENCHMARK AND BASIS OF BEARINGS.
2. SEE SHEETS EL201 - EL206 FOR ELECTRICAL AND STREET LIGHTING PLANS.
3. SEE SHEETS CD101 - CD106 FOR DEMOLITION PLANS.
4. REFER TO SHEETS RM501 TO RM506 FOR ROADWAY MARKING AND SIGNAGE PLANS.
5. REFER TO SHEETS CU101 TO CU106 FOR COMPOSITE UTILITY PLANS.
6. REFER TO SHEETS CG301 TO CG306 FOR GRADING PLANS.

CURVE DATA			
CURVE NO.	RADIUS	L	Δ
C18	35.00'	47.28'	077°23'30"
C19	35.00'	65.23'	106°46'30"

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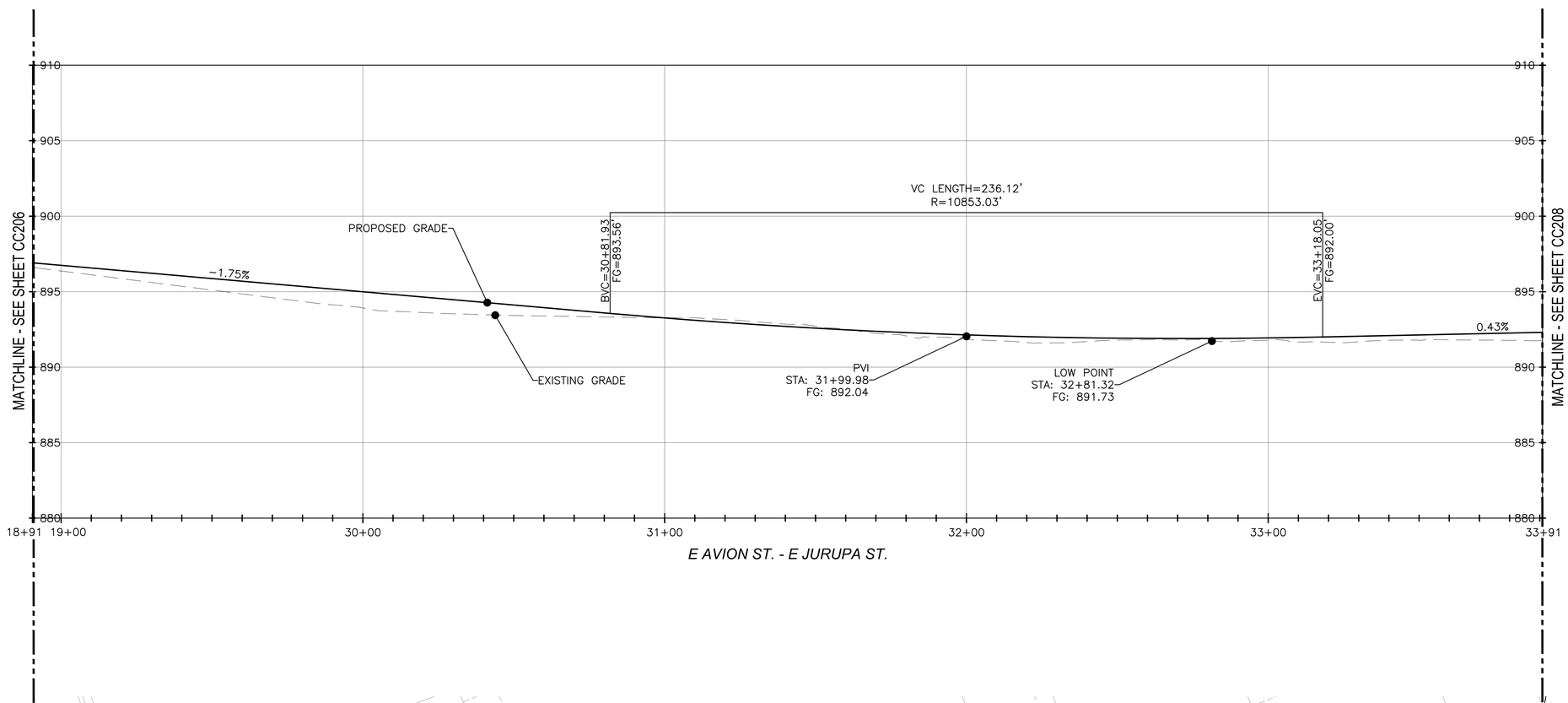
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Ontario International Airport, Ontario, CA

ROADWAY CONTROL AND PAVEMENT PLAN 6

No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER **CC206**
SHEET COUNT **16** of **53**

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Plotted By:Bill Marek Sheet Set:Kha Layout:C-206 June 08, 2021 02:18:48pm J:\77645_ONT_APL_Avion\00_CADD\01_Sheets\CC-201.dwg



LEGEND

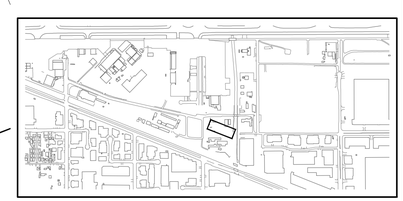
- ASPHALT CONCRETE PAVEMENT
- TYPE "B" CURB AND GUTTER
- CONCRETE SIDEWALK
- PROPOSED PC/PS CONCRETE GIRDER BRIDGE PER STRUCTURAL DRAWINGS
- PROPOSED STRUCTURAL SLAB
- PROPOSED LANDSCAPE

CONSTRUCTION NOTES:

1. 8" THICK ASPHALT CONCRETE OVER 10" CAB PAVEMENT PER CITY OF ONTARIO STD NO.1011. SEE DETAIL 1/CC401
2. "B" TYPE CURB AND GUTTER PER CITY OF ONTARIO STD NO. 1201. SEE DETAIL 2/CC401
3. CONCRETE SIDEWALK PER CITY OF ONTARIO STD NO. 1209. SEE DETAIL 2/CC402
4. CONCRETE CROSS GUTTER PER CITY OF ONTARIO STD NO. 1208. SEE DETAIL 1/CC402.
5. TYPE "I" CONCRETE RAMP PER CITY OF ONTARIO STD NO. 1213. SEE DTAIL 3/CC402
6. TYPE "II" CONCRETE RAMP PER CITY OF ONTARIO STD NO. 1213. SEE DTAIL 3/CC402
7. MATCH EXISTING
8. COMMERCIAL DRIVEWAY APPROACH PER CITY OF ONTARIO STD NO. 1204. SEE DETAIL 3/CC401
9. PROPOSED SD SIDE OPENING CATCH BASIN. SEE CU101 TO CU106. CREATE LOCAL DEPRESSION PER CITY OF ONTARIO STD 3005.
10. EXISTING CONCRETE CURB AND GUTTER.
11. PROPOSED DRIVEWAY PER GOLDEN BRIDGE DEVELOPMENT.
12. EXISTING SIDE-OPENING CATCH BASIN.
13. PROPOSED PC/PS CONCRETE GIRDER BRIDGE WITH CONCRETE BARRIER, SEE S101
14. CONCRETE SLAB-BRIDGE TRANSITION. SEE SHEET S101
15. PROPOSED CUCAMONGA CREEK ACCESS ROAD (BY OTHERS)
16. INSTALL 6' HIGH CHAIN LINK FENCE. SEE DETAIL 4/CC404

NOTES

1. REFER TO SHEETS VS001 FOR PROJECT BENCHMARK AND BASIS OF BEARINGS.
2. SEE SHEETS EL201 - EL206 FOR ELECTRICAL AND STREET LIGHTING PLANS.
3. SEE SHEETS CD101 - CD106 FOR DEMOLITION PLANS.
4. REFER TO SHEETS RM501 TO RM506 FOR ROADWAY MARKING AND SIGNAGE PLANS.
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6. REFER TO SHEETS CG301 TO CG306 FOR GRADING PLANS.



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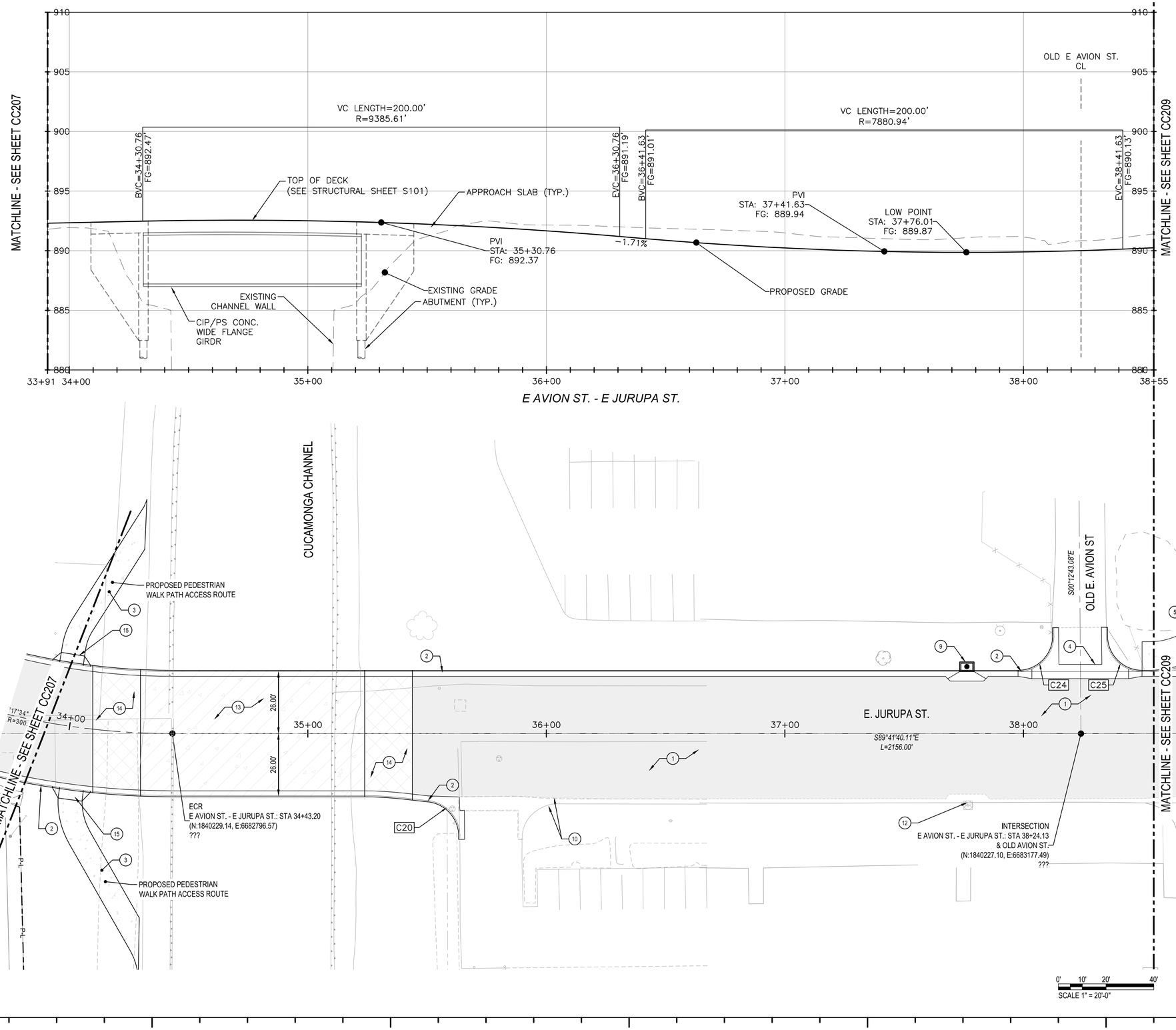
JURUPA / AVION STREET CONSTRUCTION
Ontario International Airport, Ontario, CA

ROADWAY CONTROL AND PAVEMENT PLAN 7

No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER **CC207**
SHEET COUNT **17** of **53**

Know what's below. Call 811 before you dig.
Plotted By:Bill Marek Sheet Set:Kha Layout:C-207 June 08, 2021 02:22:13pm J:\77645_ONT_APL_Avion\00_CADD\01_Sheets\CC-201.dwg
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LEGEND

- ASPHALT CONCRETE PAVEMENT
- TYPE "B" CURB AND GUTTER
- CONCRETE SIDEWALK
- PROPOSED PC/PS CONCRETE GIRDER BRIDGE PER STRUCTURAL DRAWINGS
- PROPOSED STRUCTURAL SLAB
- PROPOSED LANDSCAPE

CONSTRUCTION NOTES:

1. 8" THICK ASPHALT CONCRETE OVER 10" CAB PAVEMENT PER CITY OF ONTARIO STD NO.1011. SEE DETAIL 1/CC401
2. "B" TYPE CURB AND GUTTER PER CITY OF ONTARIO STD NO. 1201. SEE DETAIL 2/CC401
3. CONCRETE SIDEWALK PER CITY OF ONTARIO STD NO. 1209. SEE DETAIL 2/CC402
4. CONCRETE CROSS GUTTER PER CITY OF ONTARIO STD NO. 1208. SEE DETAIL 1/CC402.
5. TYPE "I" CONCRETE RAMP PER CITY OF ONTARIO STD NO. 1213. SEE DTAIL 3/CC402
6. TYPE "II" CONCRETE RAMP PER CITY OF ONTARIO STD NO. 1213. SEE DTAIL 3/CC402
7. MATCH EXISTING
8. COMMERCIAL DRIVEWAY APPROACH PER CITY OF ONTARIO STD NO. 1204. SEE DETAIL 3/CC401
9. PROPOSED SD SIDE OPENING CATCH BASIN. SEE CU101 TO CU106. CREATE LOCAL DEPRESSION PER CITY OF ONTARIO STD 3005.
10. EXISTING CONCRETE CURB AND GUTTER.
11. PROPOSED DRIVEWAY PER GOLDEN BRIDGE DEVELOPMENT.
12. EXISTING SIDE-OPENING CATCH BASIN.
13. PROPOSED PC/PS CONCRETE GIRDER BRIDGE WITH CONCRETE BARRIER, SEE S101
14. CONCRETE SLAB-BRIDGE TRANSITION. SEE SHEET S101
15. PROPOSED CUCAMONGA CREEK ACCESS ROAD (BY OTHERS)
16. INSTALL 6' HIGH CHAIN LINK FENCE. SEE DETAIL 4/CC404

NOTES

1. REFER TO SHEETS VS001 FOR PROJECT BENCHMARK AND BASIS OF BEARINGS.
2. SEE SHEETS EL201 - EL206 FOR ELECTRICAL AND STREET LIGHTING PLANS.
3. SEE SHEETS CD101 - CD106 FOR DEMOLITION PLANS.
4. REFER TO SHEETS RM501 TO RM506 FOR ROADWAY MARKING AND SIGNAGE PLANS.
5. REFER TO SHEETS CU101 TO CU106 FOR COMPOSITE UTILITY PLANS.
6. REFER TO SHEETS CG301 TO CG306 FOR GRADING PLANS.

CURVE DATA			
CURVE NO.	RADIUS	L	Δ
C20	15.00'	21.76'	083°06'50"
C24	15.00'	23.70'	090°31'00"
C25	15.00'	23.43'	089°29'00"

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No. 55543
Exp. 12/31/22
CIVIL
STATE OF CALIFORNIA

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Ontario International Airport, Ontario, CA

ROADWAY CONTROL AND PAVEMENT PLAN 8

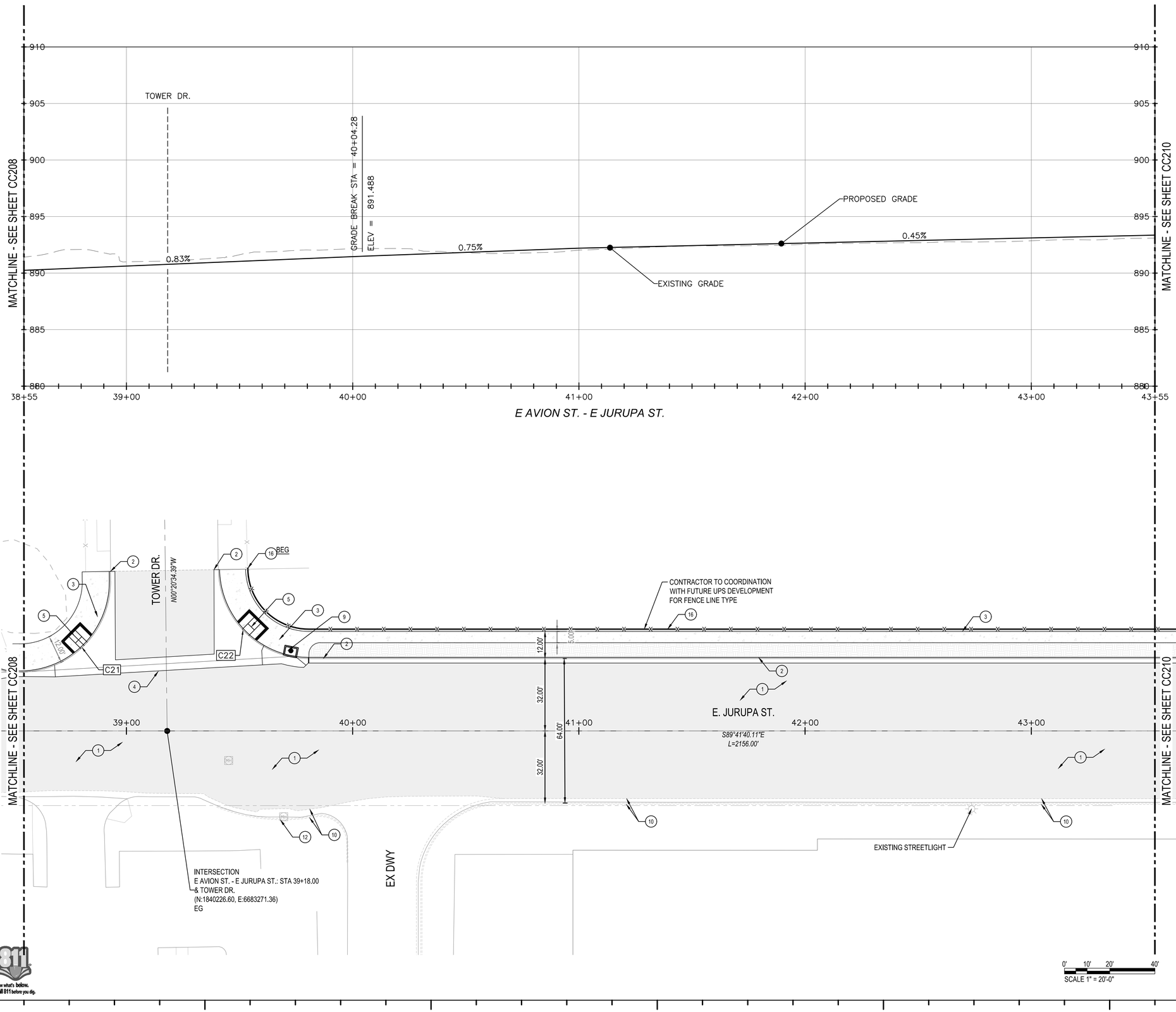
No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER **CC208**
SHEET COUNT **18** of **53**

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LEGEND

- ASPHALT CONCRETE PAVEMENT
- TYPE "B" CURB AND GUTTER
- CONCRETE SIDEWALK
- PROPOSED PC/PS CONCRETE GIRDER BRIDGE PER STRUCTURAL DRAWINGS
- PROPOSED STRUCTURAL SLAB
- PROPOSED LANDSCAPE

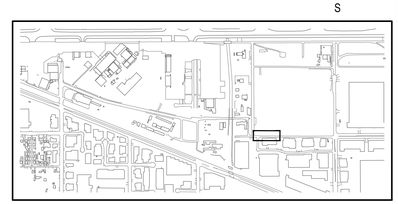
CONSTRUCTION NOTES:

1. 8" THICK ASPHALT CONCRETE OVER 10" CAB PAVEMENT PER CITY OF ONTARIO STD NO.1011. SEE DETAIL 1/CC401
2. "B" TYPE CURB AND GUTTER PER CITY OF ONTARIO STD NO. 1201. SEE DETAIL 2/CC401
3. CONCRETE SIDEWALK PER CITY OF ONTARIO STD NO. 1209. SEE DETAIL 2/CC402
4. CONCRETE CROSS GUTTER PER CITY OF ONTARIO STD NO. 1208. SEE DETAIL 1/CC402.
5. TYPE "I" CONCRETE RAMP PER CITY OF ONTARIO STD NO. 1213. SEE DTAIL 3/CC402
6. TYPE "II" CONCRETE RAMP PER CITY OF ONTARIO STD NO. 1213. SEE DTAIL 3/CC402
7. MATCH EXISTING
8. COMMERCIAL DRIVEWAY APPROACH PER CITY OF ONTARIO STD NO. 1204. SEE DETAIL 3/CC401
9. PROPOSED SD SIDE OPENING CATCH BASIN. SEE CU101 TO CU106. CREATE LOCAL DEPRESSION PER CITY OF ONTARIO STD 3005.
10. EXISTING CONCRETE CURB AND GUTTER.
11. PROPOSED DRIVEWAY PER GOLDEN BRIDGE DEVELOPMENT.
12. EXISTING SIDE-OPENING CATCH BASIN.
13. PROPOSED PC/PS CONCRETE GIRDER BRIDGE WITH CONCRETE BARRIER, SEE S101
14. CONCRETE SLAB-BRIDGE TRANSITION. SEE SHEET S101
15. PROPOSED CUCAMONGA CREEK ACCESS ROAD (BY OTHERS)
16. INSTALL 6' HIGH CHAIN LINK FENCE. SEE DETAIL 4/CC404

NOTES

1. REFER TO SHEETS VS001 FOR PROJECT BENCHMARK AND BASIS OF BEARINGS.
2. SEE SHEETS EL201 - EL206 FOR ELECTRICAL AND STREET LIGHTING PLANS.
3. SEE SHEETS CD101 - CD106 FOR DEMOLITION PLANS.
4. REFER TO SHEETS RM501 TO RM506 FOR ROADWAY MARKING AND SIGNAGE PLANS.
5. REFER TO SHEETS CU101 TO CU106 FOR COMPOSITE UTILITY PLANS.
6. REFER TO SHEETS CG301 TO CG306 FOR GRADING PLANS.

CURVE DATA			
CURVE NO.	RADIUS	L	Δ
C21	40.00'	62.93'	090°08'00"
C22	40.00'	62.17'	089°03'20"



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STATE OF CALIFORNIA

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ROADWAY CONTROL AND PAVEMENT PLAN 9

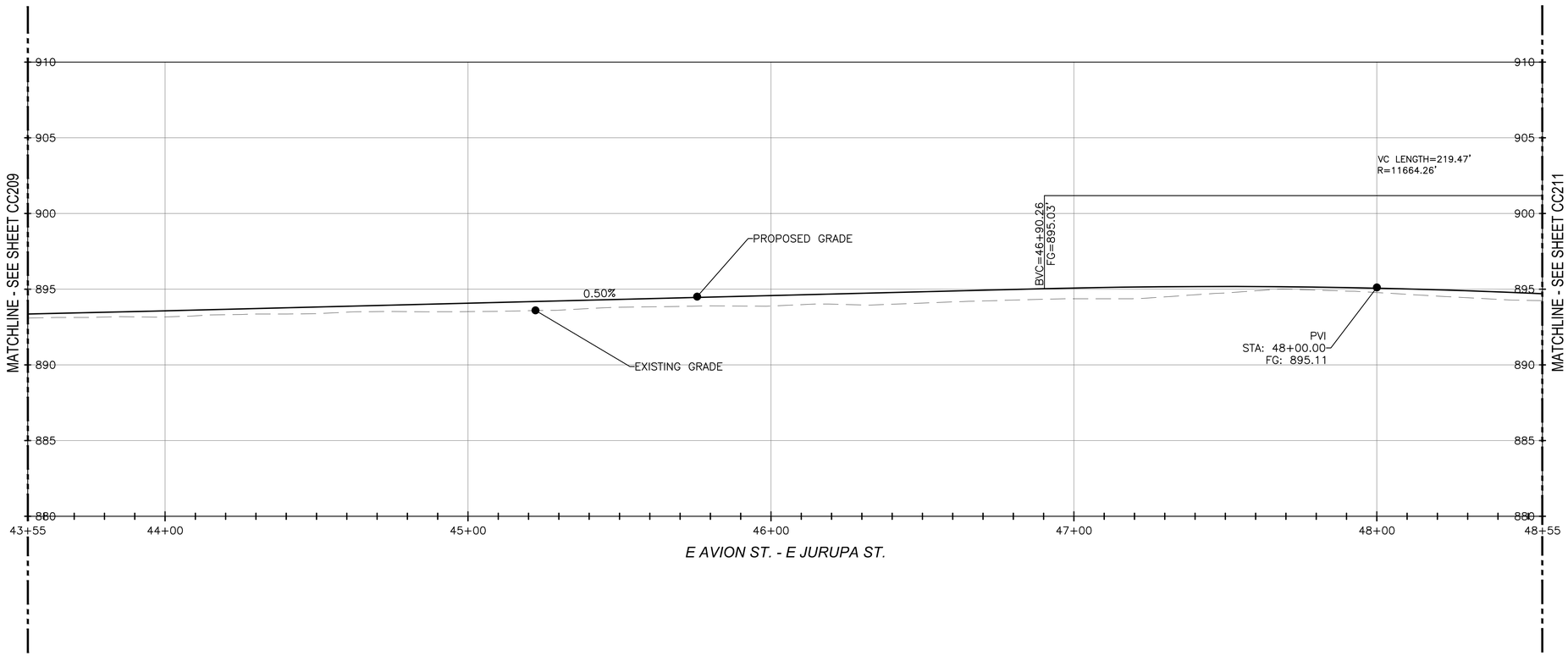
No.	REVISIONS	DATE	BY

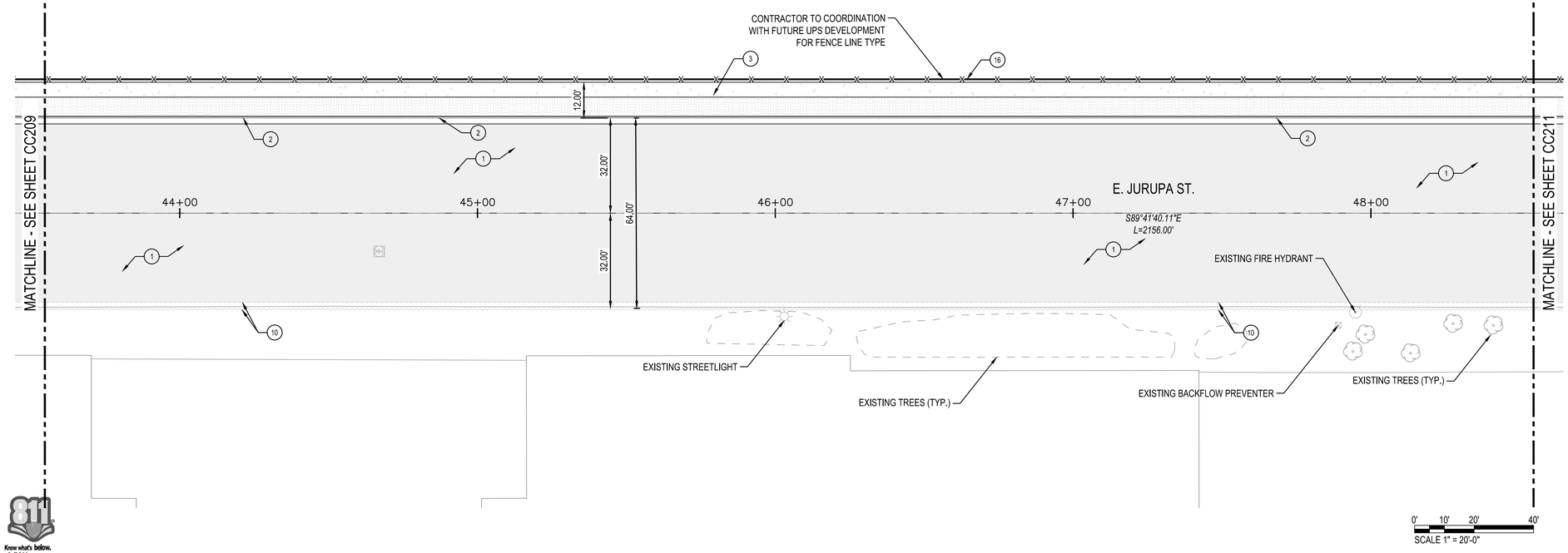
ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER **CC209**
SHEET COUNT **19** of **53**

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LEGEND

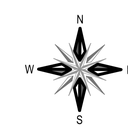
- ASPHALT CONCRETE PAVEMENT
- TYPE "B" CURB AND GUTTER
- CONCRETE SIDEWALK
- PROPOSED PC/PS CONCRETE GIRDER BRIDGE PER STRUCTURAL DRAWINGS
- PROPOSED STRUCTURAL SLAB
- PROPOSED LANDSCAPE

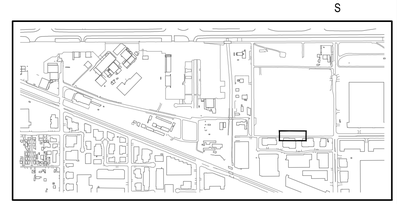
CONSTRUCTION NOTES:

1. 8" THICK ASPHALT CONCRETE OVER 10" CAB PAVEMENT PER CITY OF ONTARIO STD NO.1011. SEE DETAIL 1/CC401
2. "B" TYPE CURB AND GUTTER PER CITY OF ONTARIO STD NO. 1201. SEE DETAIL 2/CC401
3. CONCRETE SIDEWALK PER CITY OF ONTARIO STD NO. 1209. SEE DETAIL 2/CC402
4. CONCRETE CROSS GUTTER PER CITY OF ONTARIO STD NO. 1208. SEE DETAIL 1/CC402.
5. TYPE "I" CONCRETE RAMP PER CITY OF ONTARIO STD NO. 1213. SEE DTAIL 3/CC402
6. TYPE "II" CONCRETE RAMP PER CITY OF ONTARIO STD NO. 1213. SEE DTAIL 3/CC402
7. MATCH EXISTING
8. COMMERCIAL DRIVEWAY APPROACH PER CITY OF ONTARIO STD NO. 1204. SEE DETAIL 3/CC401
9. PROPOSED SD SIDE OPENING CATCH BASIN. SEE CU101 TO CU106. CREATE LOCAL DEPRESSION PER CITY OF ONTARIO STD 3005.
10. EXISTING CONCRETE CURB AND GUTTER.
11. PROPOSED DRIVEWAY PER GOLDEN BRIDGE DEVELOPMENT.
12. EXISTING SIDE-OPENING CATCH BASIN.
13. PROPOSED PC/PS CONCRETE GIRDER BRIDGE WITH CONCRETE BARRIER, SEE S101
14. CONCRETE SLAB-BRIDGE TRANSITION. SEE SHEET S101
15. PROPOSED CUCAMONGA CREEK ACCESS ROAD (BY OTHERS)
16. INSTALL 6' HIGH CHAIN LINK FENCE. SEE DETAIL 4/CC404

NOTES

1. REFER TO SHEETS VS001 FOR PROJECT BENCHMARK AND BASIS OF BEARINGS.
2. SEE SHEETS EL201 - EL206 FOR ELECTRICAL AND STREET LIGHTING PLANS.
3. SEE SHEETS CD101 - CD106 FOR DEMOLITION PLANS.
4. REFER TO SHEETS RM501 TO RM506 FOR ROADWAY MARKING AND SIGNAGE PLANS.
5. REFER TO SHEETS CU101 TO CU106 FOR COMPOSITE UTILITY PLANS.
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ROADWAY CONTROL AND PAVEMENT PLAN 10

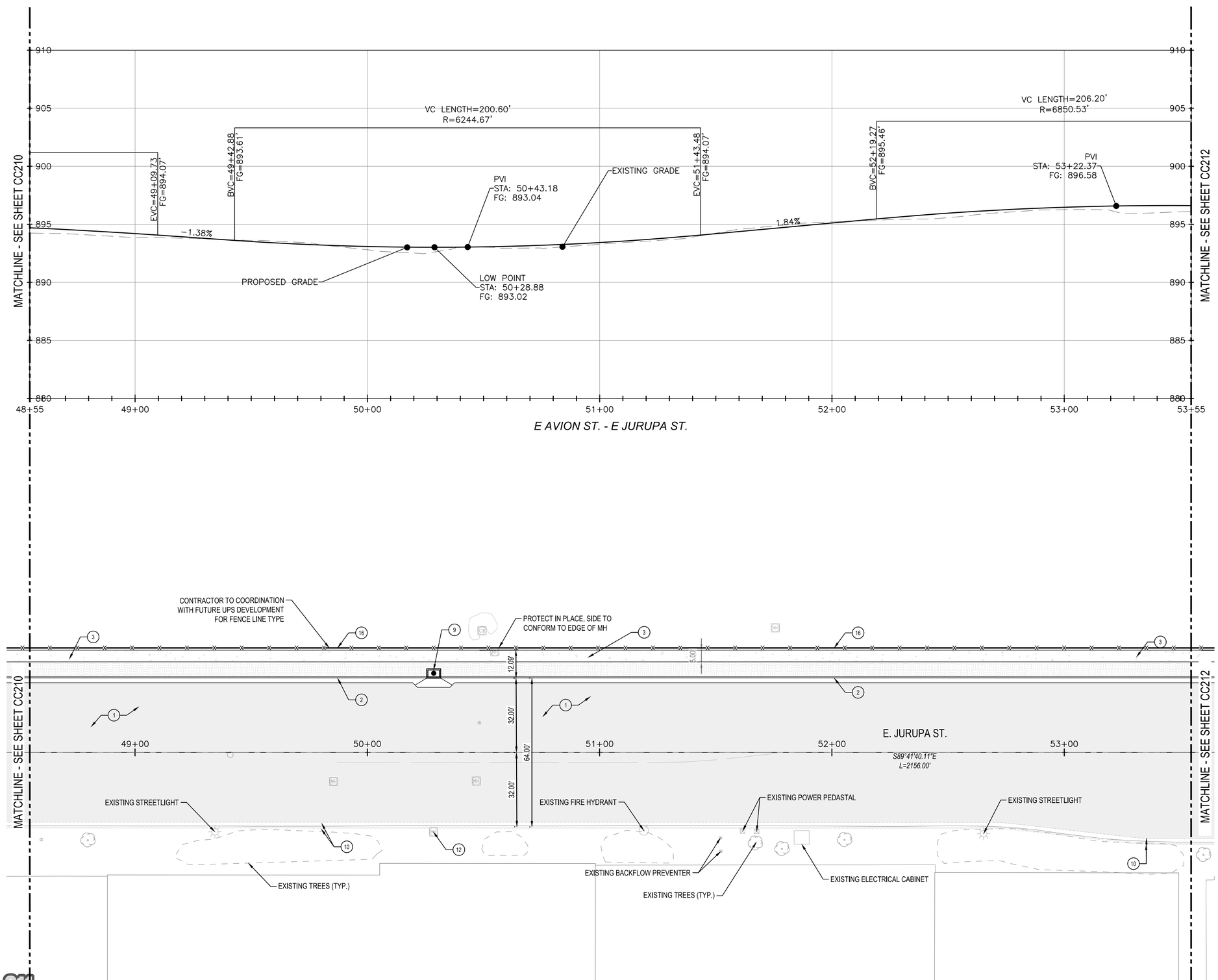
No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER **CC210**
SHEET COUNT **20** of **53**

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LEGEND

- ASPHALT CONCRETE PAVEMENT
- TYPE "B" CURB AND GUTTER
- CONCRETE SIDEWALK
- PROPOSED PC/PS CONCRETE GIRDER BRIDGE PER STRUCTURAL DRAWINGS
- PROPOSED STRUCTURAL SLAB
- PROPOSED LANDSCAPE

CONSTRUCTION NOTES:

1. 8" THICK ASPHALT CONCRETE OVER 10" CAB PAVEMENT PER CITY OF ONTARIO STD NO.1011. SEE DETAIL 1/CC401
2. "B" TYPE CURB AND GUTTER PER CITY OF ONTARIO STD NO. 1201. SEE DETAIL 2/CC401
3. CONCRETE SIDEWALK PER CITY OF ONTARIO STD NO. 1209. SEE DETAIL 2/CC402
4. CONCRETE CROSS GUTTER PER CITY OF ONTARIO STD NO. 1208. SEE DETAIL 1/CC402.
5. TYPE "I" CONCRETE RAMP PER CITY OF ONTARIO STD NO. 1213. SEE DTAIL 3/CC402
6. TYPE "II" CONCRETE RAMP PER CITY OF ONTARIO STD NO. 1213. SEE DTAIL 3/CC402
7. MATCH EXISTING
8. COMMERCIAL DRIVEWAY APPROACH PER CITY OF ONTARIO STD NO. 1204. SEE DETAIL 3/CC401
9. PROPOSED SD SIDE OPENING CATCH BASIN. SEE CU101 TO CU106. CREATE LOCAL DEPRESSION PER CITY OF ONTARIO STD 3005.
10. EXISTING CONCRETE CURB AND GUTTER.
11. PROPOSED DRIVEWAY PER GOLDEN BRIDGE DEVELOPMENT.
12. EXISTING SIDE-OPENING CATCH BASIN.
13. PROPOSED PC/PS CONCRETE GIRDER BRIDGE WITH CONCRETE BARRIER, SEE S101
14. CONCRETE SLAB-BRIDGE TRANSITION. SEE SHEET S101
15. PROPOSED CUCAMONGA CREEK ACCESS ROAD (BY OTHERS)
16. INSTALL 6' HIGH CHAIN LINK FENCE. SEE DETAIL 4/CC404

NOTES

1. REFER TO SHEETS VS001 FOR PROJECT BENCHMARK AND BASIS OF BEARINGS.
2. SEE SHEETS EL201 - EL206 FOR ELECTRICAL AND STREET LIGHTING PLANS.
3. SEE SHEETS CD101 - CD106 FOR DEMOLITION PLANS.
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6. REFER TO SHEETS CG301 TO CG306 FOR GRADING PLANS.

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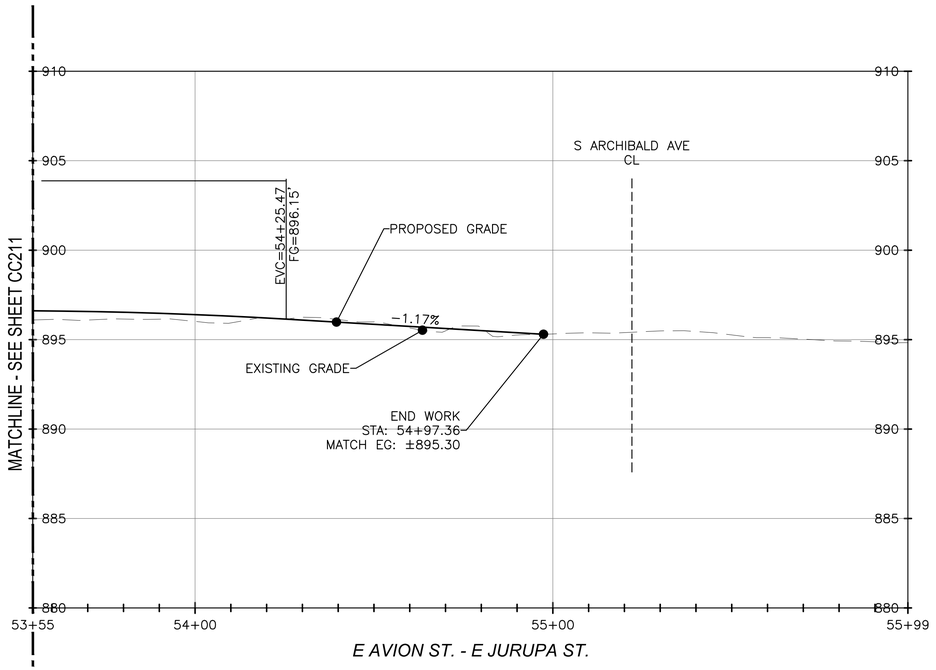
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ROADWAY CONTROL AND PAVEMENT PLAN 11

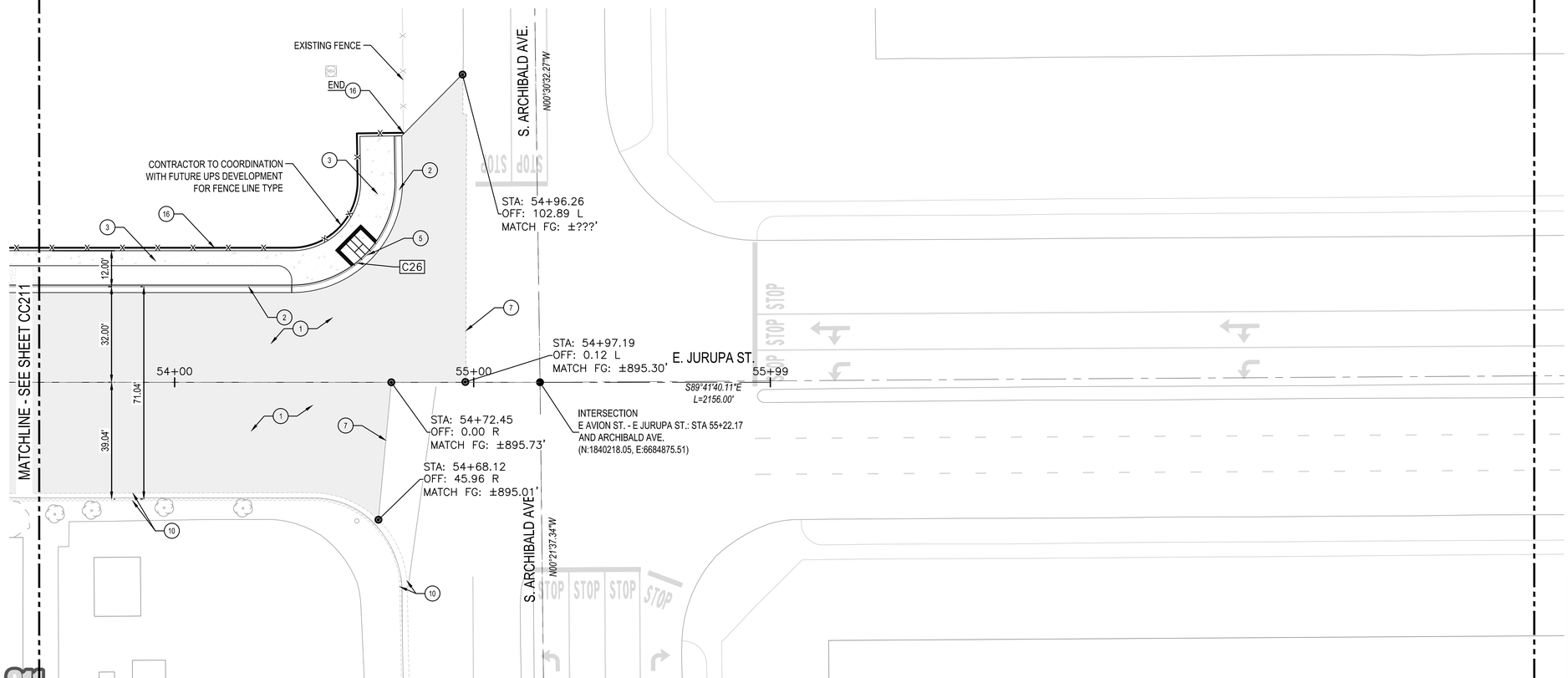
No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER: CC211
SHEET COUNT: 21 of 53

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E AVION ST. - E JURUPA ST.



LEGEND

- ASPHALT CONCRETE PAVEMENT
- TYPE "B" CURB AND GUTTER
- CONCRETE SIDEWALK
- PROPOSED PC/PS CONCRETE GIRDER BRIDGE PER STRUCTURAL DRAWINGS
- PROPOSED STRUCTURAL SLAB
- PROPOSED LANDSCAPE

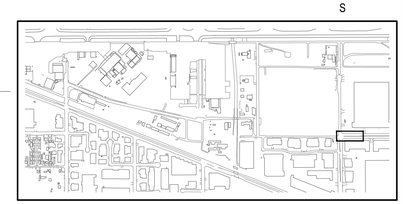
CONSTRUCTION NOTES:

1. 8" THICK ASPHALT CONCRETE OVER 10" CAB PAVEMENT PER CITY OF ONTARIO STD NO.1011. SEE DETAIL 1/CC401
2. "B" TYPE CURB AND GUTTER PER CITY OF ONTARIO STD NO. 1201. SEE DETAIL 2/CC401
3. CONCRETE SIDEWALK PER CITY OF ONTARIO STD NO. 1209. SEE DETAIL 2/CC402
4. CONCRETE CROSS GUTTER PER CITY OF ONTARIO STD NO. 1208. SEE DETAIL 1/CC402.
5. TYPE "I" CONCRETE RAMP PER CITY OF ONTARIO STD NO. 1213. SEE DTAIL 3/CC402
6. TYPE "II" CONCRETE RAMP PER CITY OF ONTARIO STD NO. 1213. SEE DTAIL 3/CC402
7. MATCH EXISTING
8. COMMERCIAL DRIVEWAY APPROACH PER CITY OF ONTARIO STD NO. 1204. SEE DETAIL 3/CC401
9. PROPOSED SD SIDE OPENING CATCH BASIN. SEE CU101 TO CU106. CREATE LOCAL DEPRESSION PER CITY OF ONTARIO STD 3005.
10. EXISTING CONCRETE CURB AND GUTTER.
11. PROPOSED DRIVEWAY PER GOLDEN BRIDGE DEVELOPMENT.
12. EXISTING SIDE-OPENING CATCH BASIN.
13. PROPOSED PC/PS CONCRETE GIRDER BRIDGE WITH CONCRETE BARRIER, SEE S101
14. CONCRETE SLAB-BRIDGE TRANSITION. SEE SHEET S101
15. PROPOSED CUCAMONGA CREEK ACCESS ROAD (BY OTHERS)
16. INSTALL 6' HIGH CHAIN LINK FENCE. SEE DETAIL 4/CC404

NOTES

1. REFER TO SHEETS VS001 FOR PROJECT BENCHMARK AND BASIS OF BEARINGS.
2. SEE SHEETS EL201 - EL206 FOR ELECTRICAL AND STREET LIGHTING PLANS.
3. SEE SHEETS CD101 - CD106 FOR DEMOLITION PLANS.
4. REFER TO SHEETS RM501 TO RM506 FOR ROADWAY MARKING AND SIGNAGE PLANS.
5. REFER TO SHEETS CU101 TO CU106 FOR COMPOSITE UTILITY PLANS.
6. REFER TO SHEETS CG301 TO CG306 FOR GRADING PLANS.

CURVE DATA			
CURVE NO.	RADIUS	L	Δ
C26	35.00'	54.98'	090°00'00"



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Exp. 12/31/22
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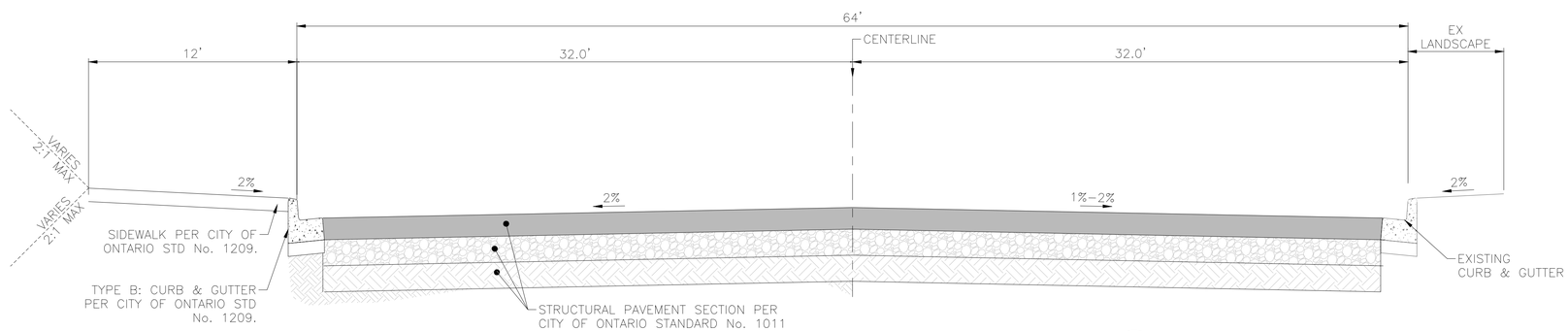
ROADWAY CONTROL
AND PAVEMENT PLAN 12

No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER **CC212**
SHEET COUNT **22** of **53**

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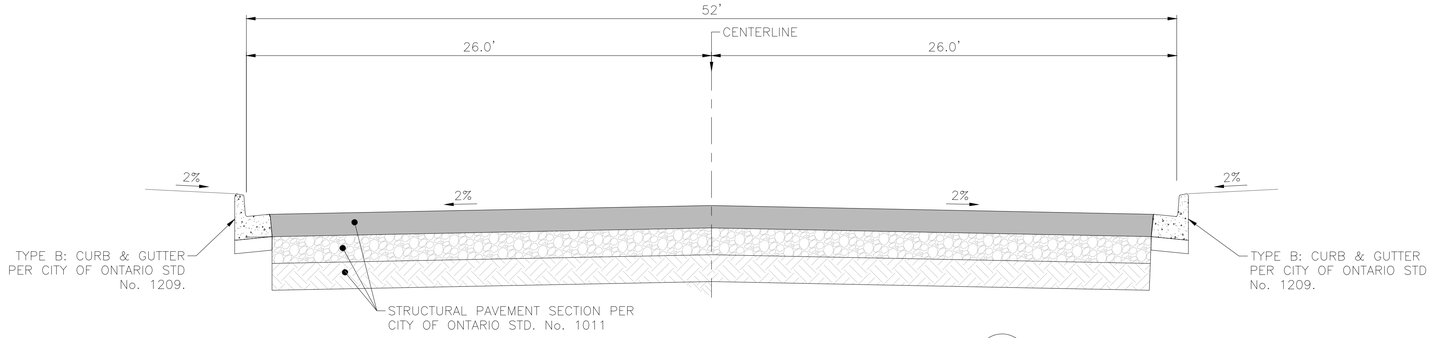
Plotted By:Bill Marek Sheet Set:Kha Layout:C-212 June 08, 2021 02:40:31pm J:\77645_ONT_APL_Avion\00_CADD\01_Sheets\CC-201.dwg
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E JURUPA ST-CITY OF ONTARIO 64-FOOT COLLECTOR STREET SECTION-1054

SCALE: NTS

C1 / –



CITY OF ONTARIO MODIFIED 52--FOOT COLLECTOR STREET SECTION-1054

SCALE: NTS

C2 / –

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CIVIL
STATE OF CALIFORNIA

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CONSTRUCTION
Ontario International Airport, Ontario, CA

TYPICAL ROADWAY
SECTIONS

No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER **CC300**
SHEET COUNT **23** of **53**

ROADWAY PAVEMENT STRUCTURAL SECTIONS

STREET CLASSIFICATION	MINIMUM TRAFFIC INDEX (1)	REFERENCE STANDARD DRAWING NUMBER	MINIMUM AC PAVEMENT SECTION	MINIMUM AC FULL-DEPTH SECTION (2)	MINIMUM PCC PAVEMENT SECTION
ALLEY (3)		N/A	4" AC / 6" CAB	5" AC	N/A
LOCAL STREET (3)	5.5	1051, 1052	4" AC / 6" CAB	5" AC	7" PCC / 6" CAB
LOCAL INDUSTRIAL STREET (3) / COLLECTOR STREET	8	1053, 1054	6" AC / 8" CAB	8" AC	8" PCC / 6" CAB
MINOR ARTERIAL / OTHER PRINCIPAL ARTERIAL	10	1055, 1056, 1057	7" AC / 8" CAB	10" AC	9" PCC / 6" CAB
OTHER PRINCIPAL ARTERIAL / TRUCK ROUTES	12	1058, 1059, 1060, 1061	8" AC / 10" CAB	12" AC	10" PCC / 6" CAB

NOTES:

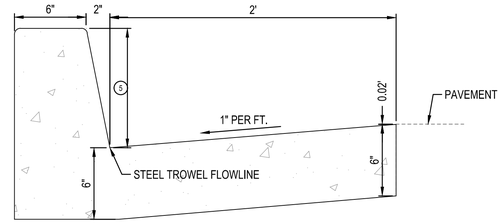
(1) PAVEMENT STRUCTURAL SECTION SHALL BE INDICATED ON THE CONSTRUCTION PLANS AND SHALL BE DETERMINED BY A SOIL TEST UTILIZING THE TRAFFIC INDEX PROVIDED BY THE CITY ENGINEER AND A MAXIMUM R-VALUE OF 50. IF THE RECOMMENDED STRUCTURAL SECTION DIFFERS FROM THIS STANDARD DRAWING, THE THICKER SECTION OF THE TWO SHALL BE CONSTRUCTED.

(2) FULL-DEPTH AC SECTION MAY ONLY BE USED FOR TRENCH REPAIRS WITH A MAXIMUM WIDTH OF 12" AS ACCEPTABLE TO THE CITY INSPECTOR. OTHER APPLICATION ARE SUBJECT TO THE APPROVAL OF THE CITY ENGINEER.

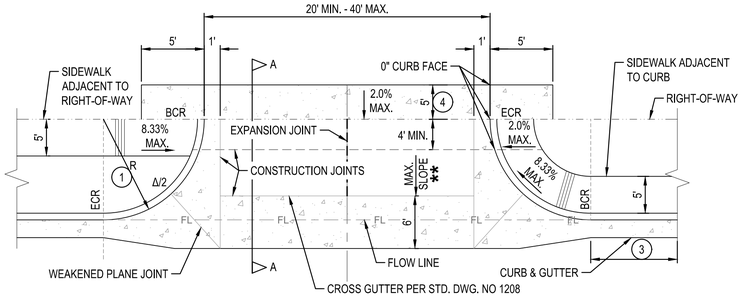
(3) THIS STANDARD DRAWING APPLIES TO BOTH PUBLIC AND PRIVATE STREETS UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.

1 - MINIMUM PAVEMENT STRUCTURAL SECTIONS- CITY OF ONTARIO STD 1011

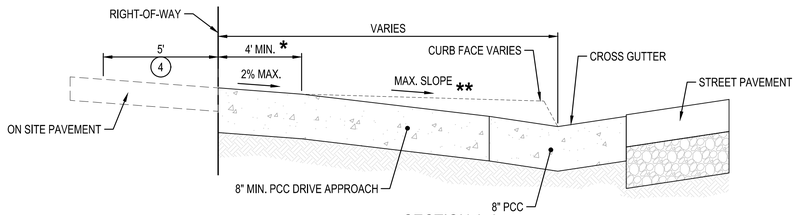
STANDARD DRAWING NUMBER 1011



TYPE B



PLAN VIEW



SECTION A-A

* 4' MINIMUM SIDEWALK IS NOT REQUIRED IF SIDEWALK SHALL BE CONSTRUCTED BEYOND THE RIGHT-OF-WAY (SEE NOTE #4)

** MAXIMUM SLOPE = 10% FOR 8" CURB FACE AND 8.33% FOR 6" CURB FACE. SLOPE MAY BE INCREASED TO 12% WITH CITY ENGINEER APPROVAL.

NOTES:

(1) CURB RETURN RADII VARIES ACCORDING TO PARKWAY WIDTH AND COMMERCIAL VEHICLE TYPE OR AS APPROVE BY CITY ENGINEER.

(2) COMMERCIAL DRIVE APPROACH SHALL BE USED FOR ALLEY ENTRANCE UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.

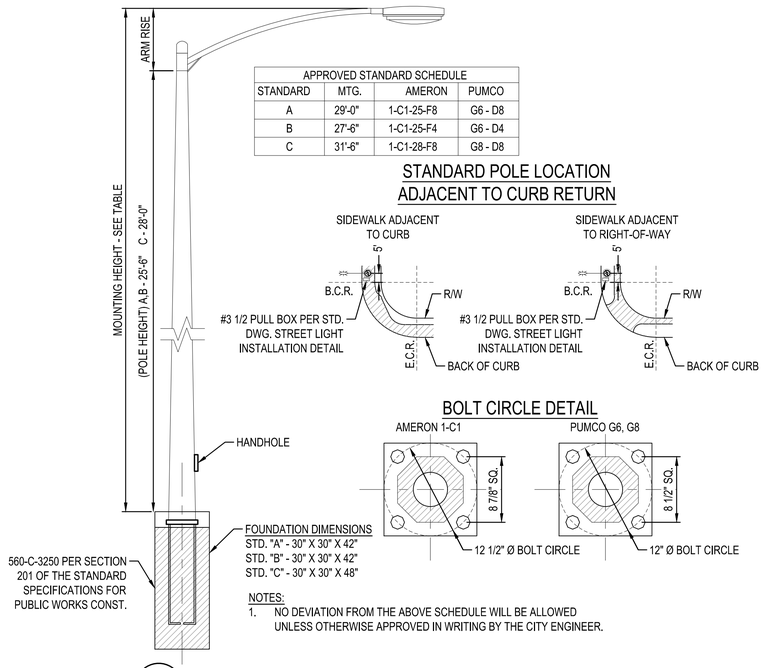
(3) BCR & ECR OF APPROACH SHALL NOT BEGIN CLOSER THAN 5' FROM PROPERTY LINE AND A MINIMUM OF 20' FROM A STREET CURB RETURN OR AS REQUIRED BY THE CITY OF ONTARIO ACCESS GUIDELINES.

(4) 5' WIDE PUBLIC EASEMENT MAY BE REQUIRED FOR CONSTRUCTION OF SIDEWALK BEYOND THE RIGHT-OF-WAY.

(5) CONCRETE SHALL BE CLASS 520-C-2500 PER SECTION 201 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURED WITH TYPE 1-D CURING COMPOUND.

3 - COMMERCIAL DRIVEWAY APPROACH DETAIL - CITY OF ONTARIO STD 1204

NTS



APPROVED STANDARD SCHEDULE			
STANDARD	MTG.	AMERON	PUMCO
A	29'-0"	1-C1-25-F8	G6 - D8
B	27'-6"	1-C1-25-F4	G6 - D4
C	31'-6"	1-C1-28-F8	G8 - D8

STANDARD POLE LOCATION ADJACENT TO CURB RETURN

BOLT CIRCLE DETAIL

NOTES:

1. NO DEVIATION FROM THE ABOVE SCHEDULE WILL BE ALLOWED UNLESS OTHERWISE APPROVED IN WRITING BY THE CITY ENGINEER.

4 - STREET LIGHT STANDARD - CITY OF ONTARIO STD 5101

NTS

NOTES:

(1) CONCRETE SHALL BE CLASS 520-C-2500 PER SECTION 201 S.S.P.W.C. CURING COMPOUND SHALL BE TYPE 1-D.

(2) ALL EXPOSED CORNERS SHALL BE 1/2" RADIUS.

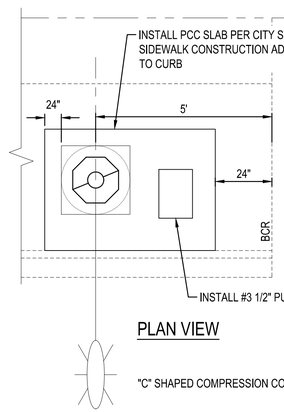
(3) USE TYPE "A" CURB FOR MEDIAN CONSTRUCTION OR REPLACEMENT ONLY.

(4) USE TYPE "V" CURB FOR REPLACEMENT ONLY.

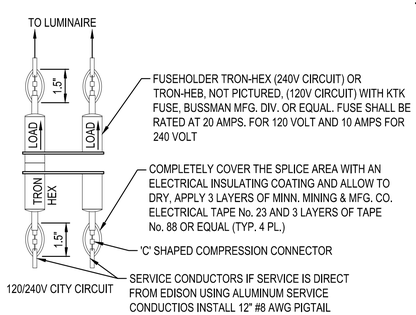
(5) CURB FACE SHALL BE 8" EXCEPT IN NEW MODEL COLONY (NMC) LOCAL STREETS WHERE IT SHALL BE 6" OR AS OTHERWISE APPROVED BY THE CITY ENGINEER.

2 - STANDARD CURBS - CITY OF ONTARION STD 1201

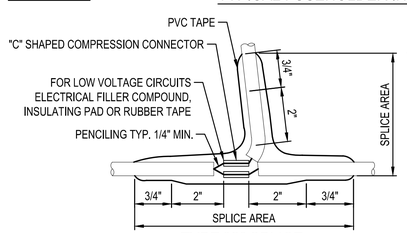
SCALE: 1" = 0'-6"



PLAN VIEW



TYPICAL FUSEHOLDER INSTALLATION



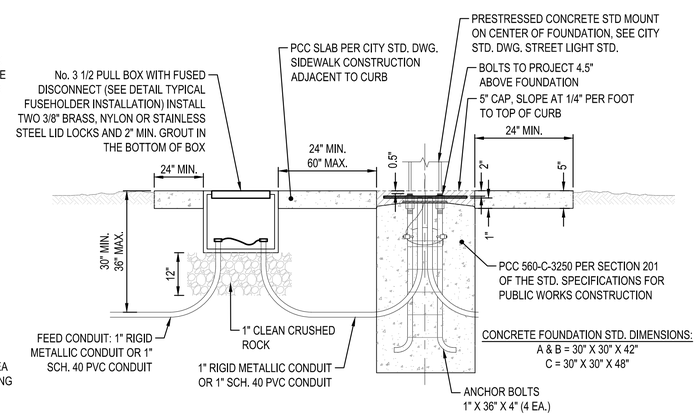
TYPE "C" SPLICE

METHOD "B":

1. COMPLETELY COVER THE SPLICE AREA WITH ELECTRICAL INSULATING COATING AND ALLOW TO DRY.
2. APPLY 2 LAYERS OF ELECTRICAL INSULATING PAD WITH MINIMUM THICKNESS OF 4mm EACH LAYER OR 2 LAYERS, HALF LAPPED, SYNTHETIC OIL RESISTANT, SELF FUSING RUBBER TAPE.
3. APPLY 3 LAYERS, HALF LAPPED, POLVINYL CHLORIDE TAPE.
4. COVER ENTIRE SPLICE WITH ELECTRICAL INSULATING COATING AND ALLOW TO DRY

5 - STREET LIGHT INSTALLATION - CITY OF ONTARIO STD 5102

NTS



TYPICAL FOUNDATION AND PULLBOX INSTALLATION

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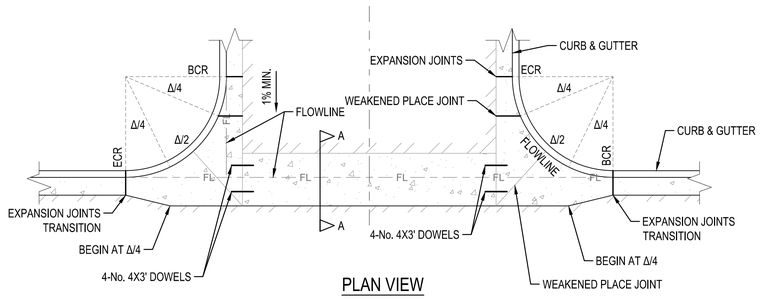
REGISTERED PROFESSIONAL ENGINEER
ANTONE T. FERMELIA
No. 55543
Exp. 12/31/22
CIVIL
STATE OF CALIFORNIA

JURUPA / AVION STREET CONSTRUCTION
Ontario International Airport, Ontario, CA

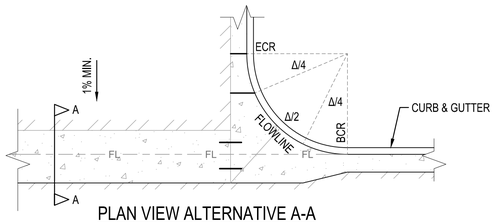
CITY OF ONTARIO STANDARD DETAILS 1

No.	REVISIONS	DATE	BY

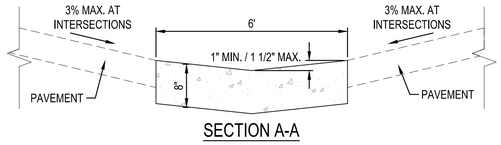
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DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER: CC401
SHEET COUNT: 24 of 53



PLAN VIEW



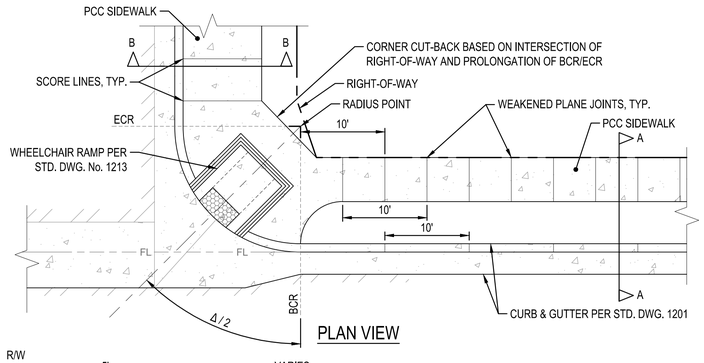
PLAN VIEW ALTERNATIVE A-A



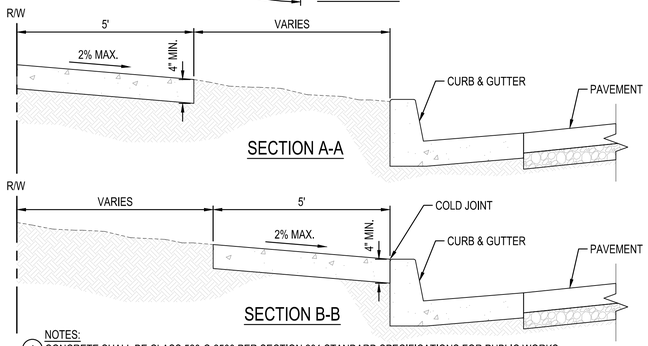
SECTION A-A

NOTES:
1. SLOTTED CROSS GUTTER SHALL BE USED ONLY WHEN APPROVED BY THE CITY ENGINEER.
2. TYPE "B" GUTTER WIDTHS AT B.C.'S AND E.C.'S SHALL BE PER STANDARD DRAWINGS No. 1201 OR MATCH EXISTING.
3. SEE STANDARD DRAWINGS No. 1106 FOR CURB RETURN RADII AND 1209 FOR PROPERTY LINE CORNER CUT-BACK.
4. CONCRETE SHALL BE CLASS 520-C-2500 PER SECTION 201 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. CURED WITH TYPE 1-D CURING COMPOUND.
5. ALTERNATIVE A SHALL BE USED WHEN ADJACENT TO A 5' STRIPED CLASS II BIKE LANE.

1 - CROSS GUTTER DETAIL - CITY OF ONTARIO STD 1208
NTS

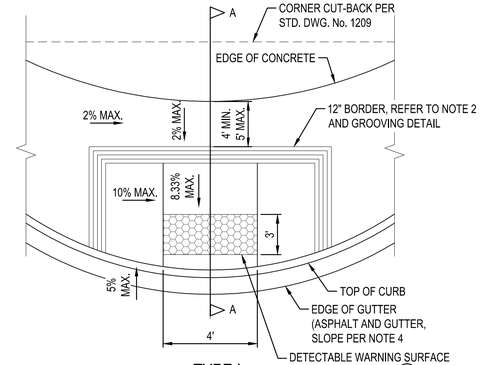


PLAN VIEW

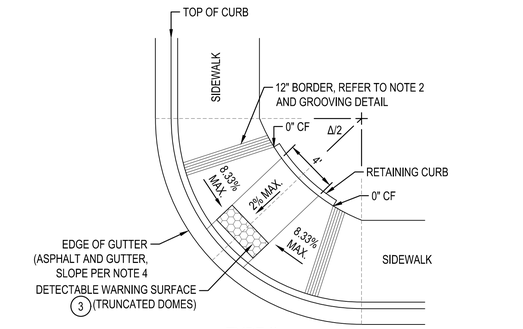


NOTES:
1. CONCRETE SHALL BE CLASS 520-C-2500 PER SECTION 201 STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURED WITH TYPE 1-D CURING COMPOUND.
2. SCORE LINES SHALL BE 5' ON CENTER.
3. WEAKENED PLANE JOINTS SHALL BE AT 10' ON CENTER MAXIMUM. SEE DRAWINGS ABOVE FOR DISTANCE FROM CURB RETURN AREA TO FIRST JOINT.
4. REFER TO STANDARD DRAWING No. 1106 FOR CURB RETURN REQUIREMENTS.
5. SIDEWALK LOCATION SHALL BE ADJACENT TO PUBLIC RIGHT-OF-WAY (SECTION A-A). SIDEWALK ADJACENT TO CURB (SECTION B-B) REQUIRES APPROVAL FROM CITY ENGINEER.
6. SIDEWALK BACKFILL SHALL BE COMPACTED TO 90% MINIMUM.

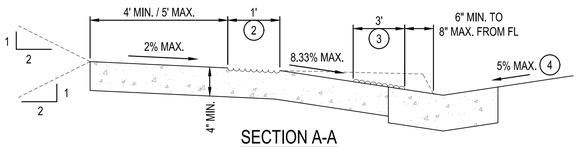
2 - SIDEWALK DETAILS - CITY OF ONTARIO STD 1209
NTS



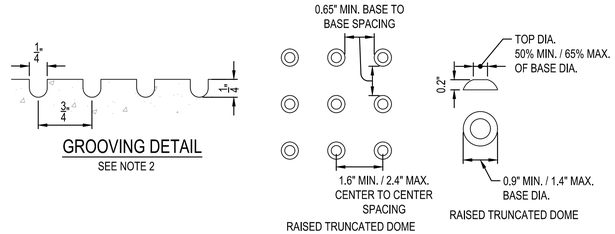
TYPE I



TYPE II
SEE NOTE 6



SECTION A-A

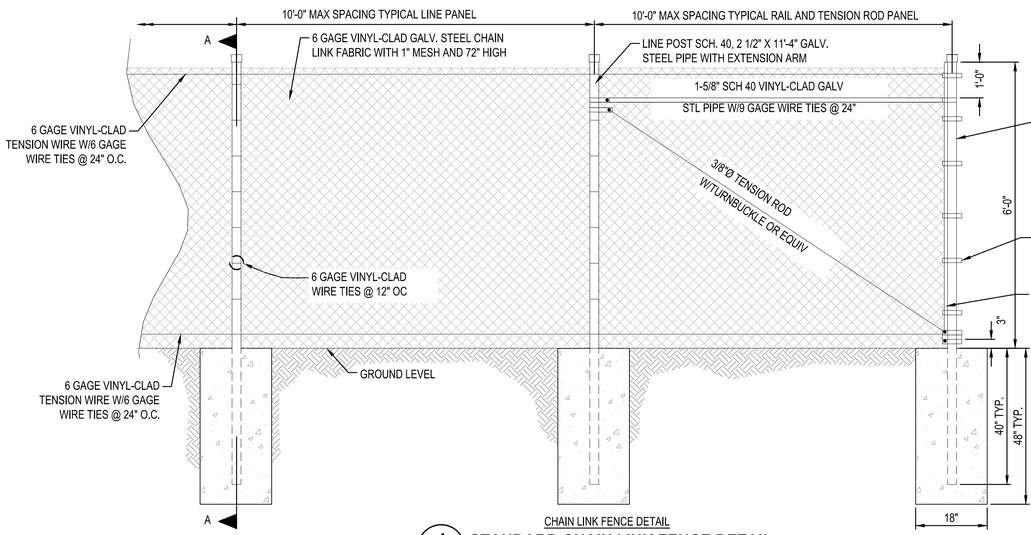


GROOVING DETAIL
SEE NOTE 2

DETECTABLE WARNING SURFACE
SEE NOTE 3

NOTES:
1. OPTIONAL CURB POURED MONOLITHICALLY WITH WALK. HEIGHT OF CURB VARIABLE DUE TO RIGHT-OF-WAY ELEVATION.
2. THE RAMP SHALL HAVE A 12" BORDER WITH 1/4" GROOVES APPROXIMATELY 3/4" ON CENTER.
3. DETECTABLE WARNING SURFACE SHALL BE INSTALLED ACROSS FULL WIDTH OF CURB RAMP AND SHALL CONFORM TO THE DETAILS HEREON. DETECTABLE WARNING SURFACE SHALL BE CAST-IN-PLACE TYPE PANELS INTEGRAL TO THE CONCRETE RAMP FOR NEW RAMP INSTALLATION, OR SURFACE MOUNTED PANELS FOR EXISTING/RETROFITTED RAMP INSTALLATION. SURFACE MOUNTED PANELS SHALL BE AFFIXED TO THE CONCRETE RAMP BY MEANS OF A URETHANE BASED STRUCTURAL ADHESIVE AND COMPOSITE-SLEEVED STAINLESS STEEL ANCHORS MANUFACTURED SPECIFICALLY FOR THIS PURPOSE. IN SURFACE MOUNTED APPLICATIONS, PANELS SHALL EXHIBIT A 1/2" BEVELED EDGE ON ALL SIDES AFTER INSTALLATION. ALL DETECTABLE WARNING PANELS SHALL BE MANUFACTURED OF A HOMOGENEOUS GLASS AND CARBON REINFORCED COMPOSITE MATERIAL WHICH IS COLORFAST. PANELS SHALL BE YELLOW IN COLOR UNLESS OTHERWISE SPECIFIED BY THE ENGINEER OR WITHIN THE PROJECT PLANS AND/OR SPECIFICATION.
4. ASPHALT AND GUTTER ADJACENT TO RAMP SHALL EXHIBIT 5% MAXIMUM SLOPE.
5. FOR 40' AND GREATER CURB RETURN RADIUS, USE CALTRANS STANDARD A88A FOR DUAL RAMPS.
6. TYPE II REQUIRES APPROVAL FROM CITY ENGINEER.

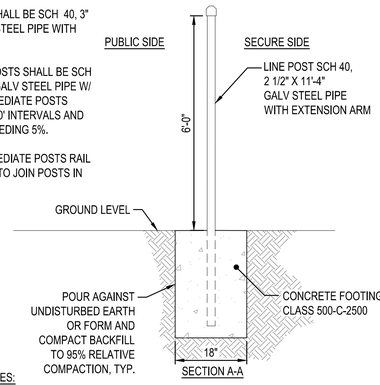
3 - WHEELCHAIR RAMP DETAIL - CITY OF ONTARIO STD 1213
NTS



CORNER OR END POSTS SHALL BE SCH 40, 3" X 11'-4" VINYL-CLAD GALV STEEL PIPE WITH EXTENSION ARM.

INTERMEDIATE OR PULL POSTS SHALL BE SCH 40, 3" X 11'-4" VINYL-CLAD GALV STEEL PIPE W/ EXTENSION ARMS. INTERMEDIATE POSTS SHALL BE REQUIRED AT 250' INTERVALS AND AT GRADE CHANGES EXCEEDING 5%.

FOR CORNER AND INTERMEDIATE POSTS RAIL AND TENSION ROD PANEL TO JOIN POSTS IN BOTH DIRECTIONS.



GENERAL FENCING NOTES:
1. ALL SIZES AND GAUGES FOR PIPE POSTS, RODS, AND WIRES ARE OUTSIDE DIAMETERS WHICH INCLUDES THE VINYL COATING THICKNESS.
2. ALL FENCE MATERIAL AND FITTINGS SHALL BE OF HIGH GRADE DOMESTIC QUALITY STEEL, AND SHALL BEAR MARKINGS AS BEING SUCH.
3. THE CHAIN LINK FABRIC SHALL BE PLACED ON THE OUTWARD FACE OF THE POSTS, STRETCHED TAUT AND SECURELY FASTENED.
4. ALL EXPOSED METALS, SUCH AS NUTS AND BOLTS AND WELDED AREAS SHALL BE PAINTED WITH COLOR TO MATCH THE FENCE SYSTEM.
5. ALL NON VINYL-CLAD CHAIN LINK FENCE MATERIAL AND FITTINGS SHALL CONFORM TO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION SECTION 206-6 UNLESS OTHERWISE SPECIFIED.
6. CONCRETE FOR CHAIN LINK FENCE POST FOOTINGS SHALL BE CLASS 500-C-2500.

4 - STANDARD CHAIN LINK FENCE DETAIL
NTS

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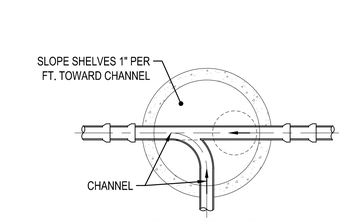
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CITY OF ONTARIO STANDARD DETAILS 2

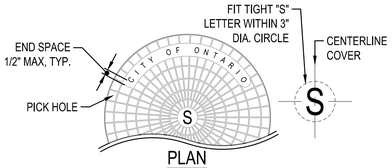
No.	REVISIONS	DATE	BY

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REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER: CC402
SHEET COUNT: 25 of 53

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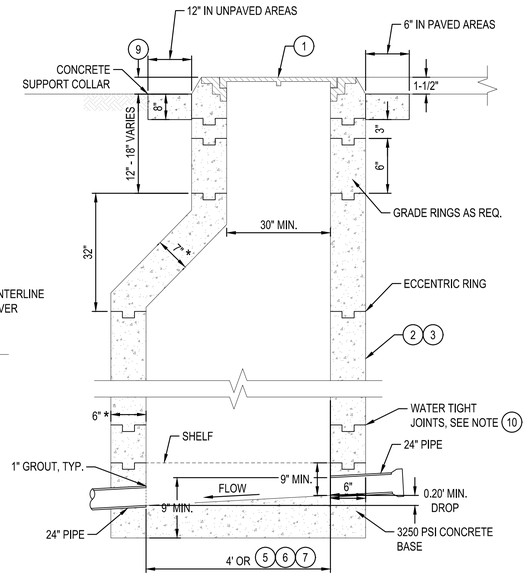


PLAN OF BASE



PLAN

TOP OF MANHOLE COVER (TRAFFIC SIDE)



SECTION VIEW

* NON-REINFORCED MANHOLE

GENERAL NOTES:

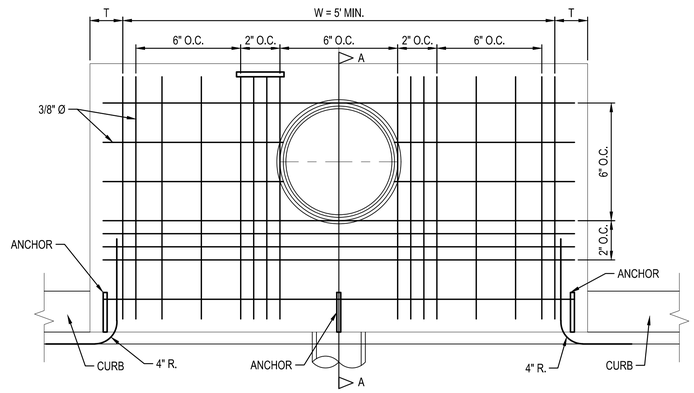
1. ALL MANHOLE COVER MARKING SHALL BE RAISED, FLAT FACE LETTERS MARKED BY MEANS OF CAST-IN MOLD LETTERING 1-1/2" X 1/4" X 3/16" (HEIGHT X LINE WIDTH X DEPTH).
2. MANHOLE COVER SHALL BE MANUFACTURED WITH THE LETTER "S" IN THE CENTER OF THE COVER.
3. "CITY OF ONTARIO: SHALL ALSO BE INSCRIBED ON COVER.

NOTES:

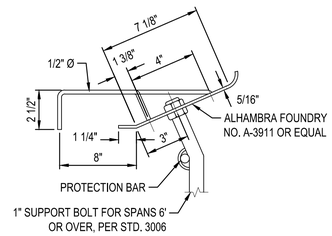
1. FRAME AND COVER FOR 48" I.D. MANHOLE SHALL BE 30". FRAME AND COVER FOR 60" OR LARGER I.D. MANHOLE SHALL BE 36"
2. NON-REINFORCED PRE-CAST MANHOLES SHALL BE CLASS 560-C-3250 PER SECTION 201-1 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
3. REINFORCED PRE-CAST MANHOLES SHALL BE PER ASTM C-478 SPECIFICATIONS.
4. THE DEPTH OF THE CHANNEL SHALL BE EQUAL TO THE FULL DIAMETER OF THE PIPE.
5. 45" I.D. MANHOLE TO BE USED ON SEWERS WITH A DIAMETER OF 18" OR LESS AND A DEPTH OF 12 FEET OR LESS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
6. 60" I.D. MANHOLE TO BE USED ON SEWERS WITH A DIAMETER OF 20" OR MORE OR WITH A DEPTH GREATER THAN 12 FEET UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.
7. 72" I.D. MANHOLE TO BE USED ON SEWERS WITH A DIAMETER OF 30"
8. THE CROWN ELEVATIONS OF ALL PIPES SHALL BE THE SAME AS THE CROWN ELEVATION OF THE LARGEST PIPE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
9. FOR MANHOLES LOCATED OUTSIDE PAVED AREAS THE FRAME AND COVER SHOULD BE SET A MINIMUM OF 0.1 FEET ABOVE FINISHED GRADE IN SHOULDER AREAS, UNPAVED ROADS OR LANDSCAPED AREAS AND 18" ABOVE UNFINISHED AREAS.
10. MORTAR JOINTS: SUFFICIENT MORTAR SHALL BE APPLIED ACROSS ENTIRE FACE OF JOINT SO THAT WHEN PRECAST UNITS ARE PLACED ON TOP ONE ANOTHER, THE MORTAR WILL SQUEEZE OUT BOTH THE INSIDE AND OUTSIDE WALL FACES AROUND FULL CIRCUMFERENCE. JOINTS SHALL BE "POINTED UP" AFTER SETTING PRECAST UNITS EXCLUDING GRADE RINGS. PLASTIC JOINTS: PREFORMED COLD-APPLIED READY-TO-USE PLASTIC JOINT SEALING COMPOUND SHALL BE A QUICK-SEAL. MUST BE USED WHEN GROUND WATER IS ENCOUNTERED.

1 SEWER MANHOLE STANDARD DETAIL - CITY OF ONTARIO STD 2001

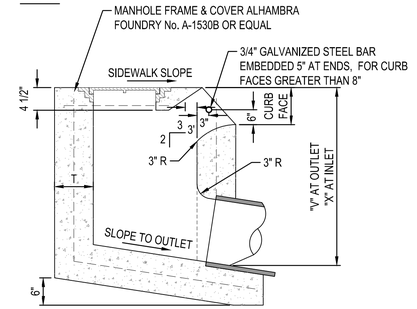
NTS



PLAN



ANCHOR DERAIL



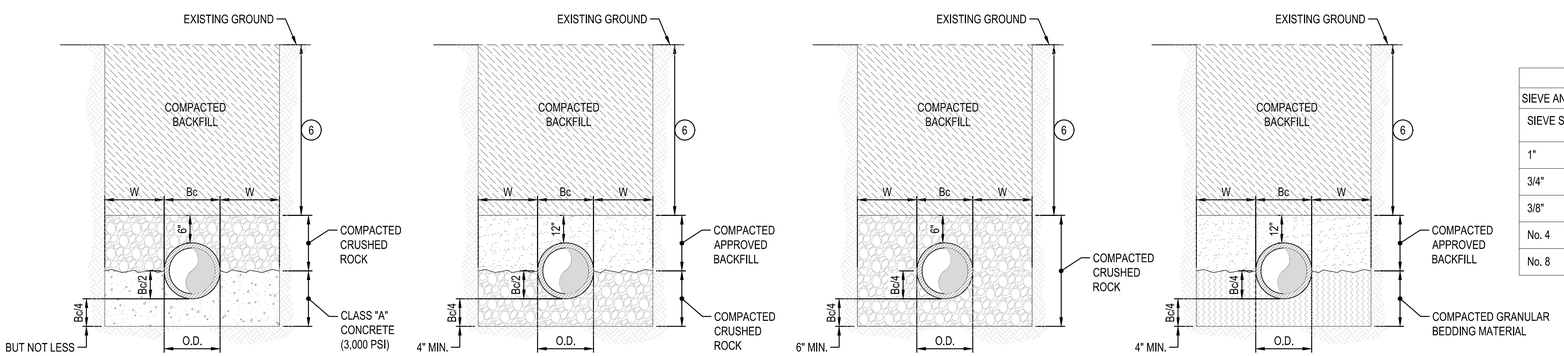
SECTION A-A

NOTES:

1. ALL EXPOSED METAL PARTS SHALL BE GALVANIZED.
2. "V" = 3.5' UNLESS OTHERWISE SPECIFIED.
3. OUTLET PIPE MAY BE PLACED IN ANY POSITION AROUND WALLS.
4. CURB FACE AT C.B. OPENING SHALL BE THAT OF THE STANDARD CURB PLUS 4" OR AS OTHERWISE SHOWN.
5. CONCRETE SHALL BE CLASS 560-C3250 PER SSPWC SECTION 201-1.
6. STEEL REINFORCEMENT AND WALL THICKNESS SHALL BE PER STANDARD DRAWING No. 3004.
7. INSTALL POLYPROPYLENE PLASTIC STEP PER LATEST SPPWC STANDARD PLAN No. 636.
8. CONSTRUCT LOCAL DEPRESSION AT CATCH BASIN PER CITY OF ONTARIO DETAIL 3005.

2 CATCH BASIN No. 2 DETAIL - CITY OF ONTARIO STD 3003

NTS



CRUSHED ROCK	
SIEVE ANALYSIS - PERCENT PASSING	
SIEVE SIZES	CLAY PIPE INSTITUTE ASTM D448-67
1"	100%
3/4"	90% - 100%
3/8"	20% - 55%
No. 4	0% - 10%
No. 8	0% - 5%

NOTES:

1. ALL BACKFILL SHALL BE PLACED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (LATEST EDITION)
2. O.D. = OUTSIDE DIA. OF BELL
3. Bc = OUTSIDE DIA. OF PIPEBARREL
4. CONCRETE SHALL BE ALLOWED TO DEVELOP SUFFICIENT STRENGTH BEFORE BACKFILLING.
5. W = 10"
6. FOLLOW CITY STD. DWG. No 1306

3 BEDDING DETAILS (A) - CITY OF ONTARIO STD 2104

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No. 55543
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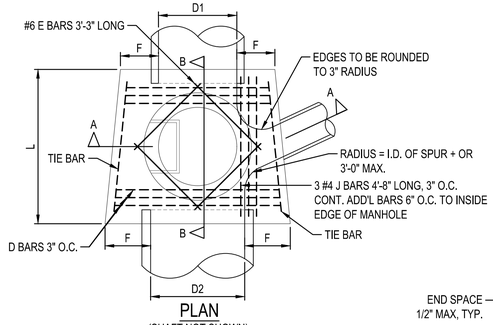
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CITY OF ONTARIO STANDARD DETAILS 3

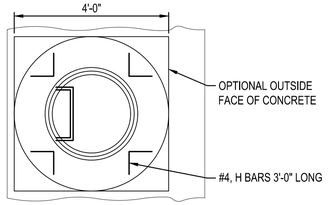
No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER: CC403
SHEET COUNT: 26 of 53

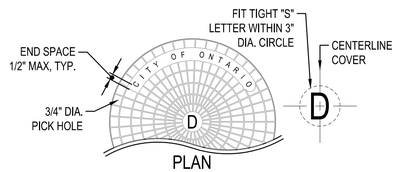
Plotted By:Bill Marek Sheet Set:Kho Layout:CC403 June 08, 2021 01:26:09pm J:\77645_ONT_APL_Avion\00_CADD\01_Sheets\CC-401.dwg
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PLAN
(SHAFT NOT SHOWN)

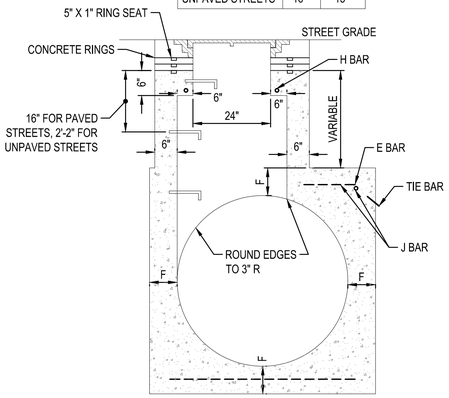


PLAN
(RINGS AND COVER NOT SHOWN)

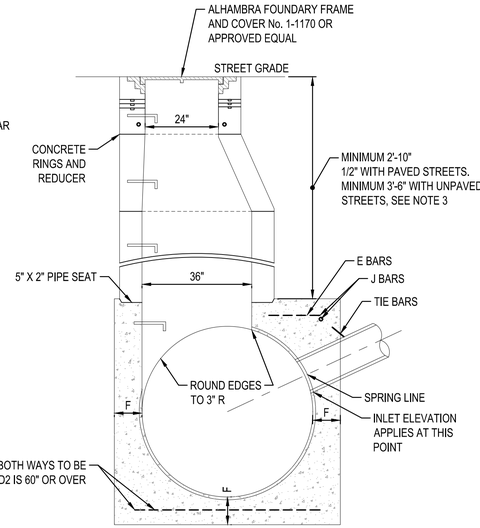


PLAN
TOP OF MANHOLE COVER
(TRAFFIC SIDE)

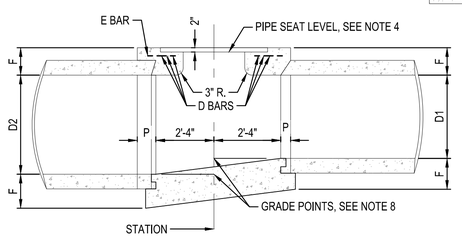
	MAX.	MIN.
PAVED STREETS	11"	8 1/2"
UNPAVED STREETS	16"	15"



DETAIL A
SEE NOTE 5



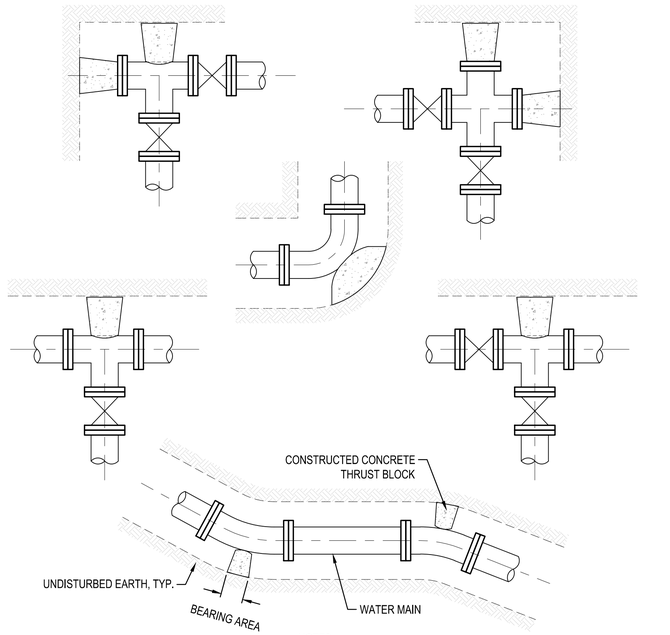
SECTION A-A



SECTION B-B

GENERAL NOTES:
1. THE REFERENCED NOTES AND THE TABLE OF VALUES FOR "F" ARE LOCATED ON STANDARD DRAWING 3009.
2. ALL MANHOLE COVER MARKING SHALL BE RAISED, FLAT FACE LETTERS MARKED BY MEANS OF CAST-IN MOLD LETTERING 1-1/2" X 1/4" X 3/16" (HEIGHT X LINE WIDTH X DEPTH).

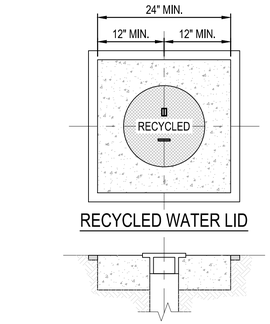
1 - MANHOLE NO. 1 DETAILS - CITY OF ONTARIO STD 3008
NTS



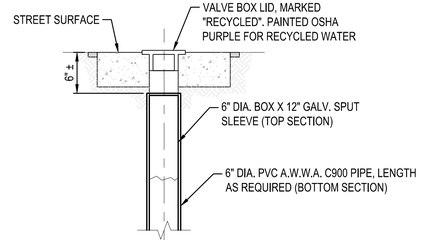
PIPE SIZE	BEARING AREA OF THRUST BLOCK, S.F.				
	TEES/ENDS	90°	45°	22.5°	11.25°
6"	3.0	4.0	2.5	1.5	N / A
8"	5.0	7.5	4.0	2.0	N / A
10"	8.0	11.0	6.0	3.0	1.5
12"	11.5	16.0	9.0	4.5	2.5
14"	15.5	22.0	12.0	6.0	3.0
16"	20.0	29.0	15.5	8.0	4.0
18"	25.5	36.0	19.5	10.0	5.0

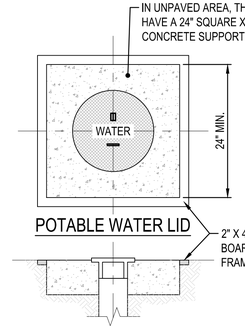
NOTES:
1. THRUST BLOCK SIZES ARE FOR PRESSURE CLASS 350 DUCTILE IRON PIPE TESTED AT 200 P.S.I. WITH A SOIL BEARING PRESSURE OF 2,000 P.S.F.
2. CLASS 420-C-2000 PCC SHALL BE USED FOR THRUST BLOCKS.
3. USE MEGALUG AT LATERAL / VERTICAL DIRECTION CHANGES IN ADDITION TO SPECIFIED THRUST BLOCKS. THE BLOCKING SHALL BE PLACED SO THAT THE PIPE AND FITTING JOINTS WILL BE ACCESSIBLE FOR REPAIR, UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER, PER A.W.W.A. No. M11 STEEL PIPE DESIGN MANUAL.
4. ALL WATER MAINS SHALL BE 10 GAUGE WELDED STEEL OR PRESSURE CLASS 350 DUCTILE IRON, CEMENT MORTAR LINED AND COATED.
5. CML/CMC SHALL BE INSTALLED IN ACCORDANCE WITH STD. DWG. 4003 (MINIMUM PIPE WELDING LENGTHS)

2 - THRUST BLOCK STANDARD DETAILS - CITY OF ONTARIO STD 4004
NTS

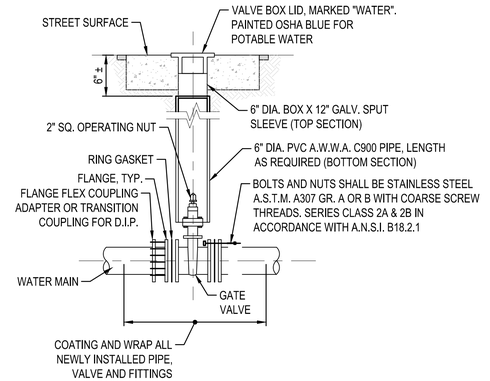


RECYCLED WATER LID





POTABLE WATER LID



NOTES:
1. ALL GATE VALVES SHALL BE FLANGED A.W.W.A. C509 OR APPROVED EQUAL.
2. VALVES LOCATED IN UNPAVED AREAS SHALL HAVE A CONCRETE SUPPORT COLLAR AROUND THE LID.
3. INTERIOR AND EXTERIOR COATING SYSTEM AND WRAP TO BE APPROVED BY THE CITY
4. GATE VALVE TO BE USED ON WATERLINES 12" AND SMALLER.

3 - GATE VALVE AND BOX STANDARD DETAIL CITY OF ONTARIO STD 4005
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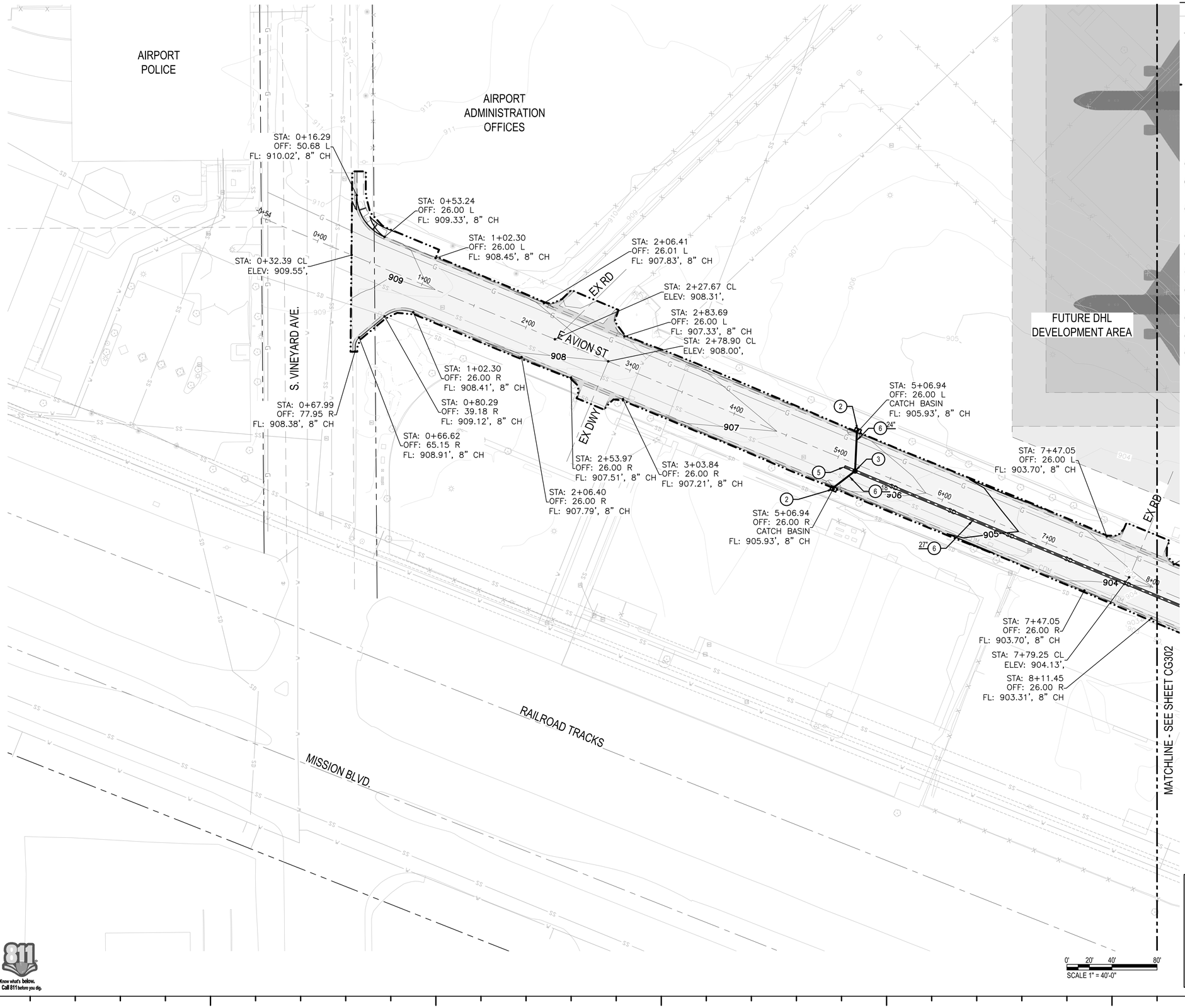
CITY OF ONTARIO STANDARD DETAILS 4

No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER **CC404**
SHEET COUNT **27** of **53**

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LEGEND:

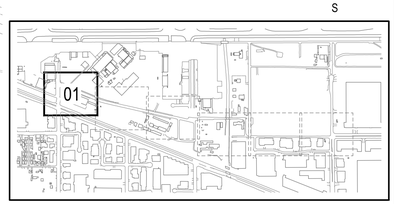
- PROPOSED STORM DRAIN LINE (SD)
- EXISTING UTILITY LINE
- PROPOSED ROADWAY PAVEMENT / CURB & GUTTER / SIDEWALK
- PROPOSED PAVEMENT IMPROVEMENT LIMITS
- LIMITS OF GRADING

CONSTRUCTION NOTES

1. PROTECT IN PLACE EXISTING UTILITY
2. INSTALL SIDE OPENING CATCH BASIN PER CITY OF ONTARIO STD 3003. SEE DETAILS 2 ON SHEET CC403
3. INSTALL STORM DRAIN MANHOLE PER CITY OF ONTARIO STD 3008. SEE DETAILS 1 ON SHEET CC404
4. CONNECT TO EXISTING STORM DRAIN LINE
5. CAP AND PLUG STORM DRAIN LINE
6. CONSTRUCT RCP STORM DRAIN LINE, REFER TO PLAN FOR SIZE
7. PROPOSED FLARED END SECTION. PROVIDE RIP-RAP, SEE DETAIL 1 ON SHEET CG311
8. EXISTING SIDE OPENING CATCH BASIN
9. ABANDONED IN PLACE EXISTING RCP SD LINE
10. PROPOSED 36"X36" CATCH BASIN INLET.

NOTES

1. REFER TO SHEET CU101 TO CU106 FOR COMPOSITE UTILITY CONSTRUCTION NOTES AND LAYOUT.



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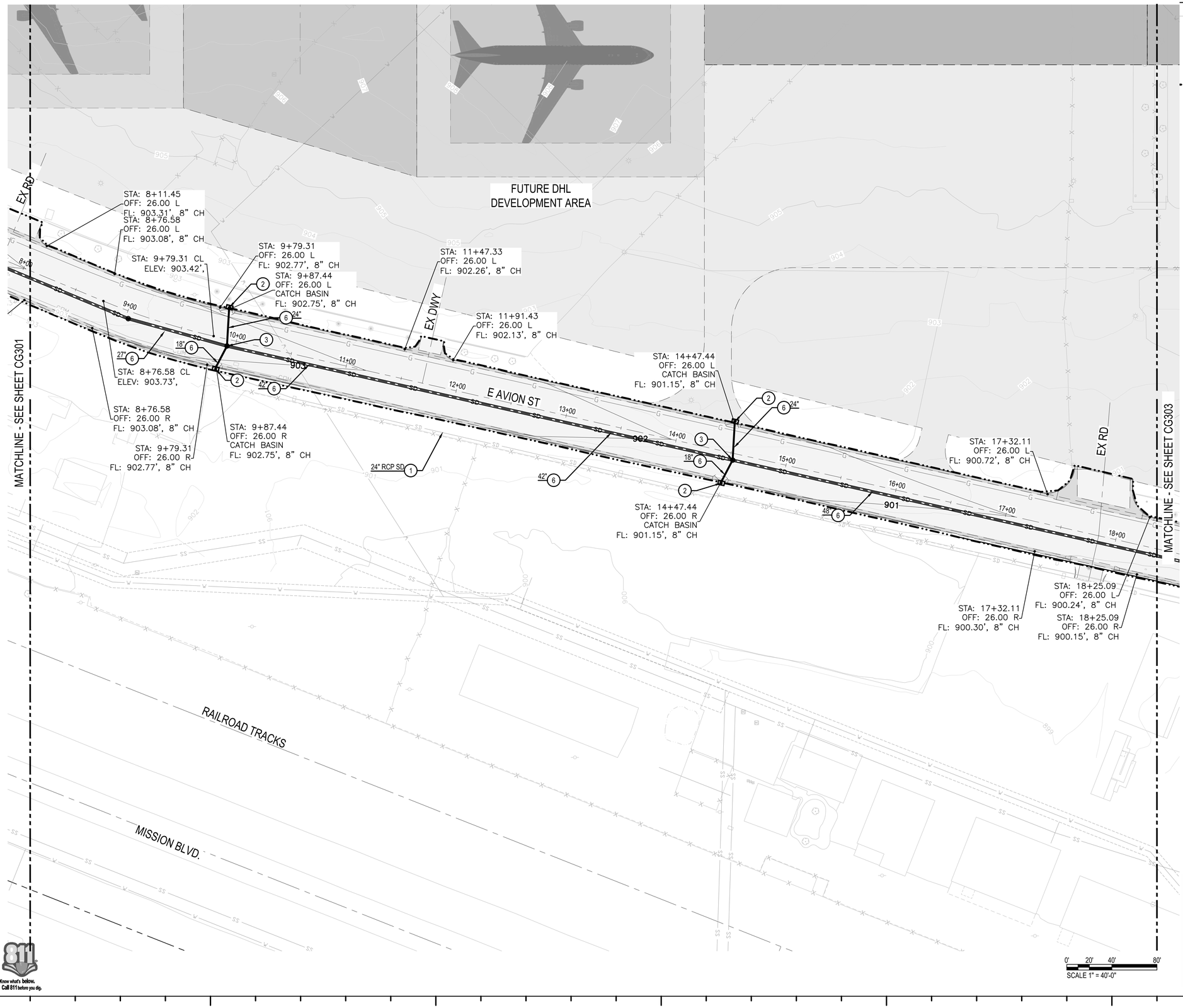
ROADWAY GRADING AND DRAINAGE 1

No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER: **CG301**
SHEET COUNT: **28** of **53**

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LEGEND:

- SD — PROPOSED STORM DRAIN LINE
- EXISTING UTILITY LINE
- PROPOSED ROADWAY PAVEMENT / CURB & GUTTER / SIDEWALK
- PROPOSED PAVEMENT IMPROVEMENT LIMITS
- LIMITS OF GRADING

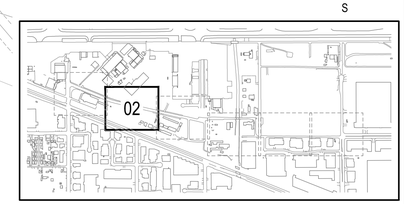
CONSTRUCTION NOTES

1. PROTECT IN PLACE EXISTING UTILITY
2. INSTALL SIDE OPENING CATCH BASIN PER CITY OF ONTARIO STD 3003. SEE DETAILS 2 ON SHEET CC403
3. INSTALL STORM DRAIN MANHOLE PER CITY OF ONTARIO STD 3008. SEE DETAILS 1 ON SHEET CC404
4. CONNECT TO EXISTING STORM DRAIN LINE
5. CAP AND PLUG STORM DRAIN LINE
6. CONSTRUCT RCP STORM DRAIN LINE, REFER TO PLAN FOR SIZE
7. PROPOSED FLARED END SECTION. PROVIDE RIP-RAP, SEE DETAIL 1 ON SHEET CG311
8. EXISTING SIDE OPENING CATCH BASIN
9. ABANDONED IN PLACE EXISTING RCP SD LINE
10. PROPOSED 36"X36" CATCH BASIN INLET.

NOTES

1. REFER TO SHEET CU101 TO CU106 FOR COMPOSITE UTILITY CONSTRUCTION NOTES AND LAYOUT.

SCALE 1" = 40'-0"



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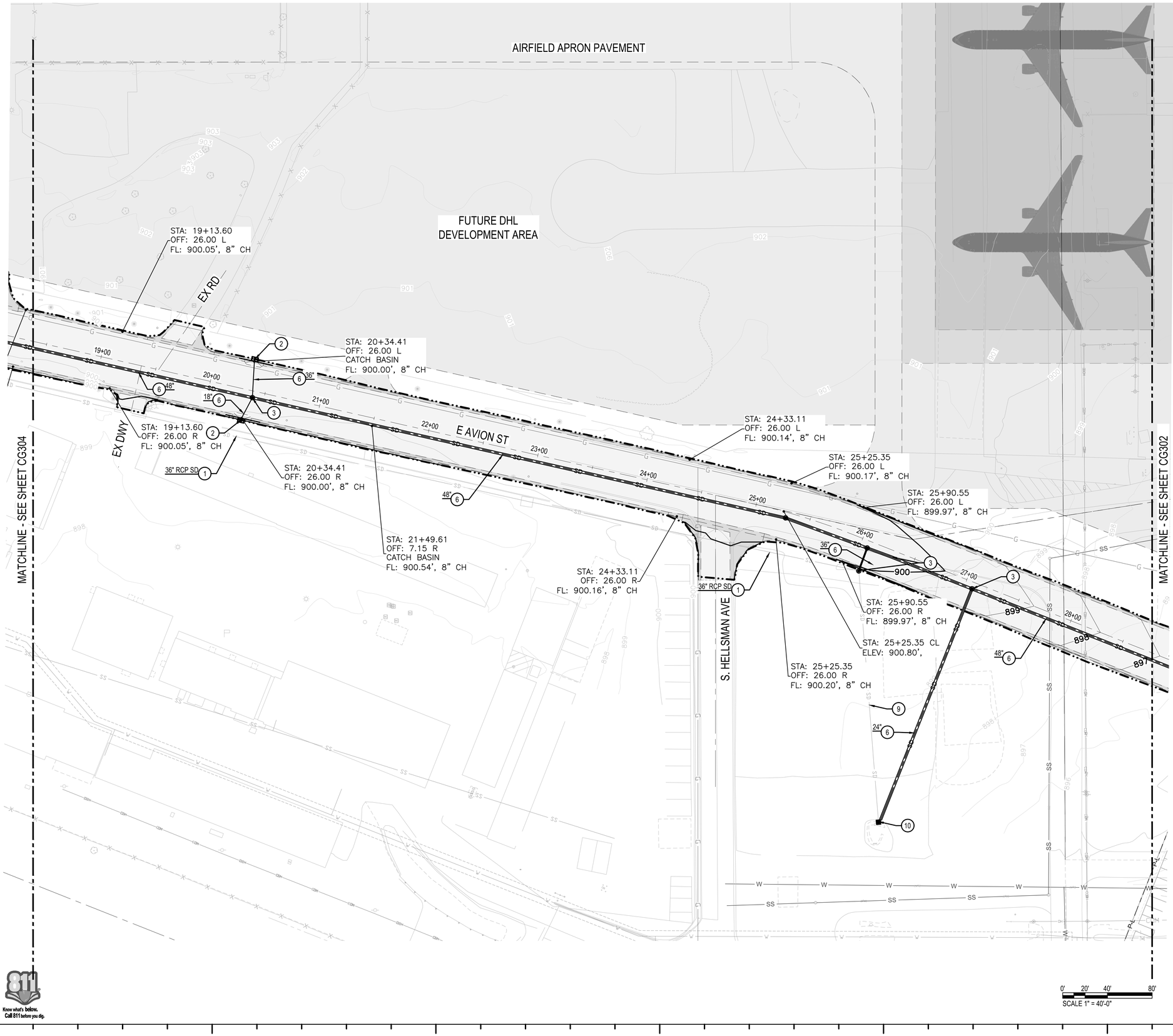
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ROADWAY GRADING AND DRAINAGE 2

No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER: **CG302**
SHEET COUNT: **29** of **53**

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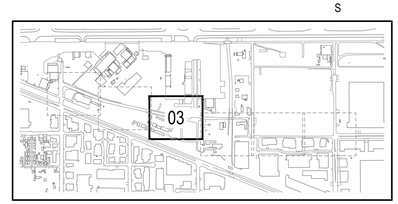
- PROPOSED STORM DRAIN LINE
- EXISTING UTILITY LINE
- PROPOSED ROADWAY PAVEMENT / CURB & GUTTER / SIDEWALK
- PROPOSED PAVEMENT IMPROVEMENT LIMITS
- LIMITS OF GRADING

CONSTRUCTION NOTES

1. PROTECT IN PLACE EXISTING UTILITY
2. INSTALL SIDE OPENING CATCH BASIN PER CITY OF ONTARIO STD 3003. SEE DETAILS 2 ON SHEET CC403
3. INSTALL STORM DRAIN MANHOLE PER CITY OF ONTARIO STD 3008. SEE DETAILS 1 ON SHEET CC404
4. CONNECT TO EXISTING STORM DRAIN LINE
5. CAP AND PLUG STORM DRAIN LINE
6. CONSTRUCT RCP STORM DRAIN LINE, REFER TO PLAN FOR SIZE
7. PROPOSED FLARED END SECTION. PROVIDE RIP-RAP, SEE DETAIL 1 ON SHEET CG311
8. EXISTING SIDE OPENING CATCH BASIN
9. ABANDONED IN PLACE EXISTING RCP SD LINE
10. PROPOSED 36"X36" CATCH BASIN INLET.

NOTES

1. REFER TO SHEET CU101 TO CU106 FOR COMPOSITE UTILITY CONSTRUCTION NOTES AND LAYOUT.



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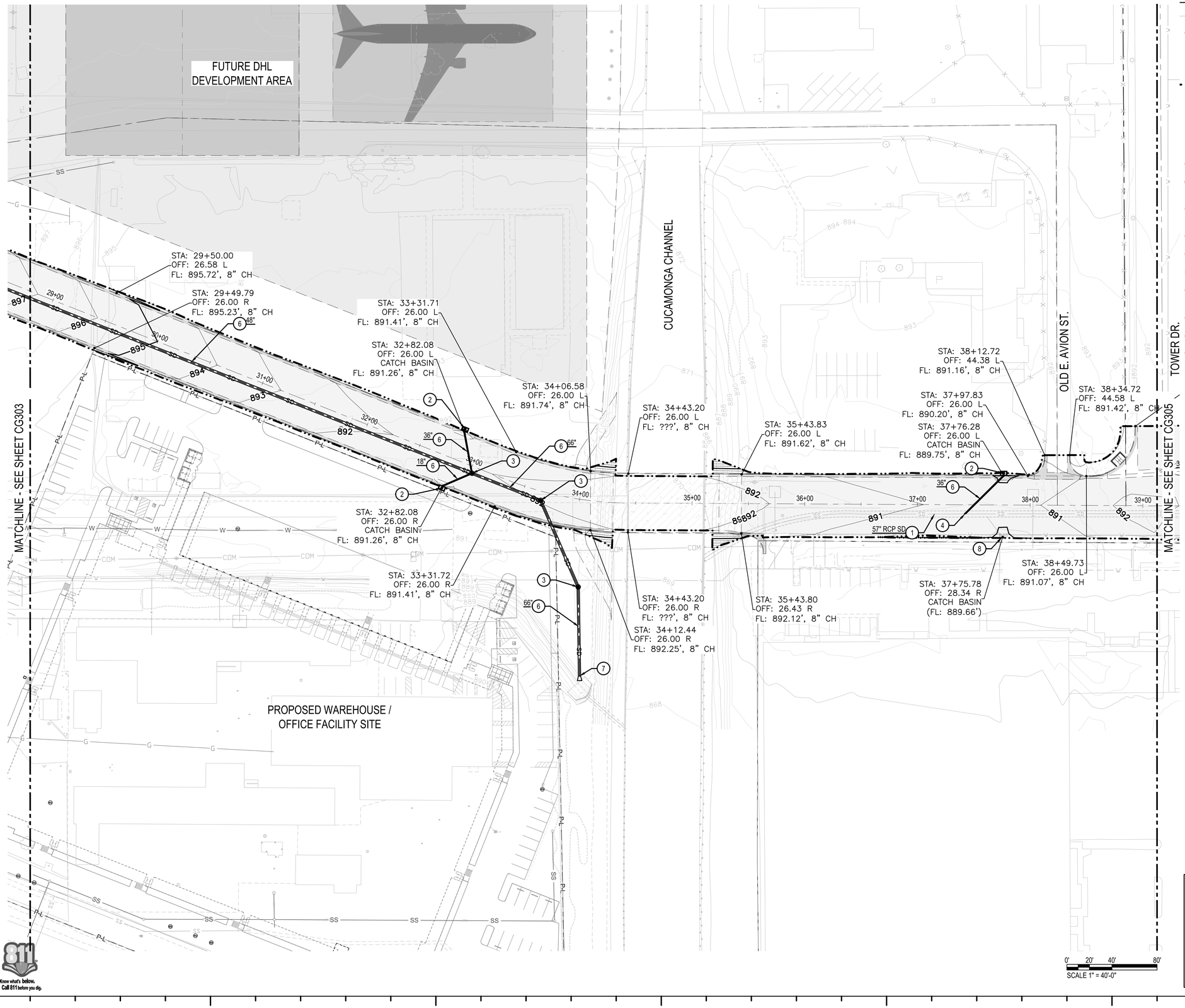
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ROADWAY GRADING AND DRAINAGE 3

No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER **CG303**
SHEET COUNT **30** of **53**

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LEGEND:

- SD — PROPOSED STORM DRAIN LINE
- EXISTING UTILITY LINE
- PROPOSED ROADWAY PAVEMENT / CURB & GUTTER / SIDEWALK
- PROPOSED PAVEMENT IMPROVEMENT LIMITS
- LIMITS OF GRADING

CONSTRUCTION NOTES

1. PROTECT IN PLACE EXISTING UTILITY
2. INSTALL SIDE OPENING CATCH BASIN PER CITY OF ONTARIO STD 3003. SEE DETAILS 2 ON SHEET CC403
3. INSTALL STORM DRAIN MANHOLE PER CITY OF ONTARIO STD 3008. SEE DETAILS 1 ON SHEET CC404
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6. CONSTRUCT RCP STORM DRAIN LINE, REFER TO PLAN FOR SIZE
7. PROPOSED FLARED END SECTION. PROVIDE RIP-RAP, SEE DETAIL 1 ON SHEET CG311
8. EXISTING SIDE OPENING CATCH BASIN
9. ABANDONED IN PLACE EXISTING RCP SD LINE
10. PROPOSED 36"X36" CATCH BASIN INLET.

NOTES

1. REFER TO SHEET CU101 TO CU106 FOR COMPOSITE UTILITY CONSTRUCTION NOTES AND LAYOUT.

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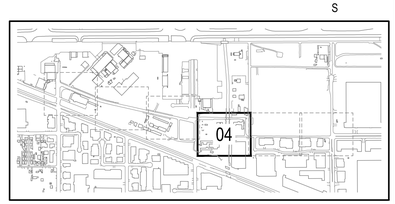
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ROADWAY GRADING AND DRAINAGE 4

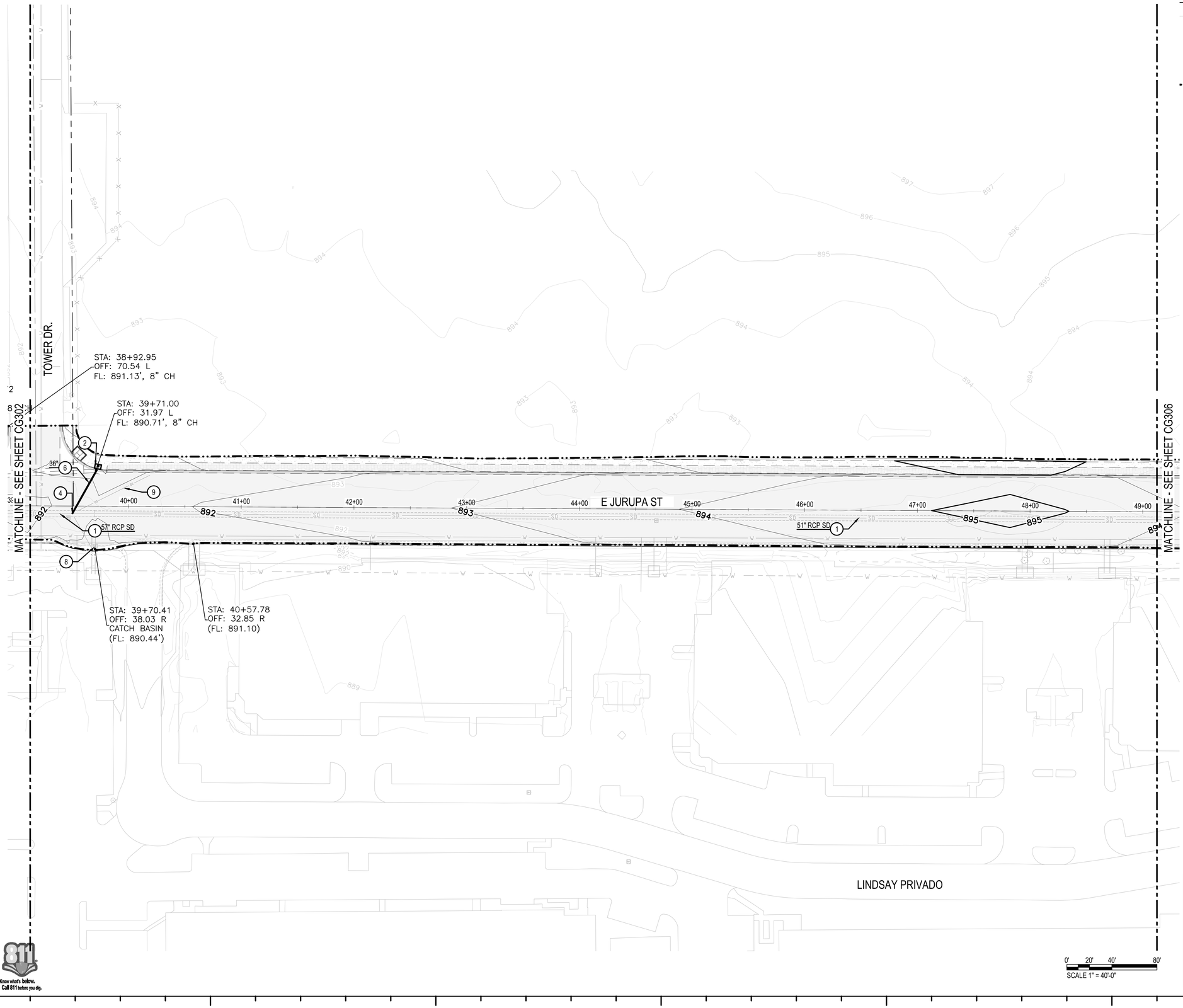
No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER: **CG304**
SHEET COUNT: **31** of **53**



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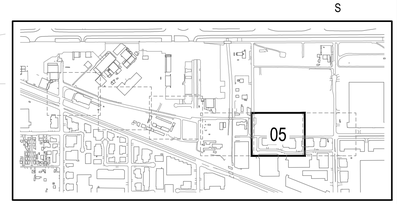
- SD — PROPOSED STORM DRAIN LINE
- EXISTING UTILITY LINE
- PROPOSED ROADWAY PAVEMENT / CURB & GUTTER / SIDEWALK
- PROPOSED PAVEMENT IMPROVEMENT LIMITS
- LIMITS OF GRADING

CONSTRUCTION NOTES

1. PROTECT IN PLACE EXISTING UTILITY
2. INSTALL SIDE OPENING CATCH BASIN PER CITY OF ONTARIO STD 3003. SEE DETAILS 2 ON SHEET CC403
3. INSTALL STORM DRAIN MANHOLE PER CITY OF ONTARIO STD 3008. SEE DETAILS 1 ON SHEET CC404
4. CONNECT TO EXISTING STORM DRAIN LINE
5. CAP AND PLUG STORM DRAIN LINE
6. CONSTRUCT RCP STORM DRAIN LINE, REFER TO PLAN FOR SIZE
7. PROPOSED FLARED END SECTION. PROVIDE RIP-RAP, SEE DETAIL 1 ON SHEET CG311
8. EXISTING SIDE OPENING CATCH BASIN
9. ABANDONED IN PLACE EXISTING RCP SD LINE
10. PROPOSED 36"X36" CATCH BASIN INLET.

NOTES

1. REFER TO SHEET CU101 TO CU106 FOR COMPOSITE UTILITY CONSTRUCTION NOTES AND LAYOUT.



SCALE 1" = 40'-0"

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REGISTERED PROFESSIONAL ENGINEER
ANTONE T. FERMELIA
No. 55543
Exp. 12/31/22
CIVIL
STATE OF CALIFORNIA

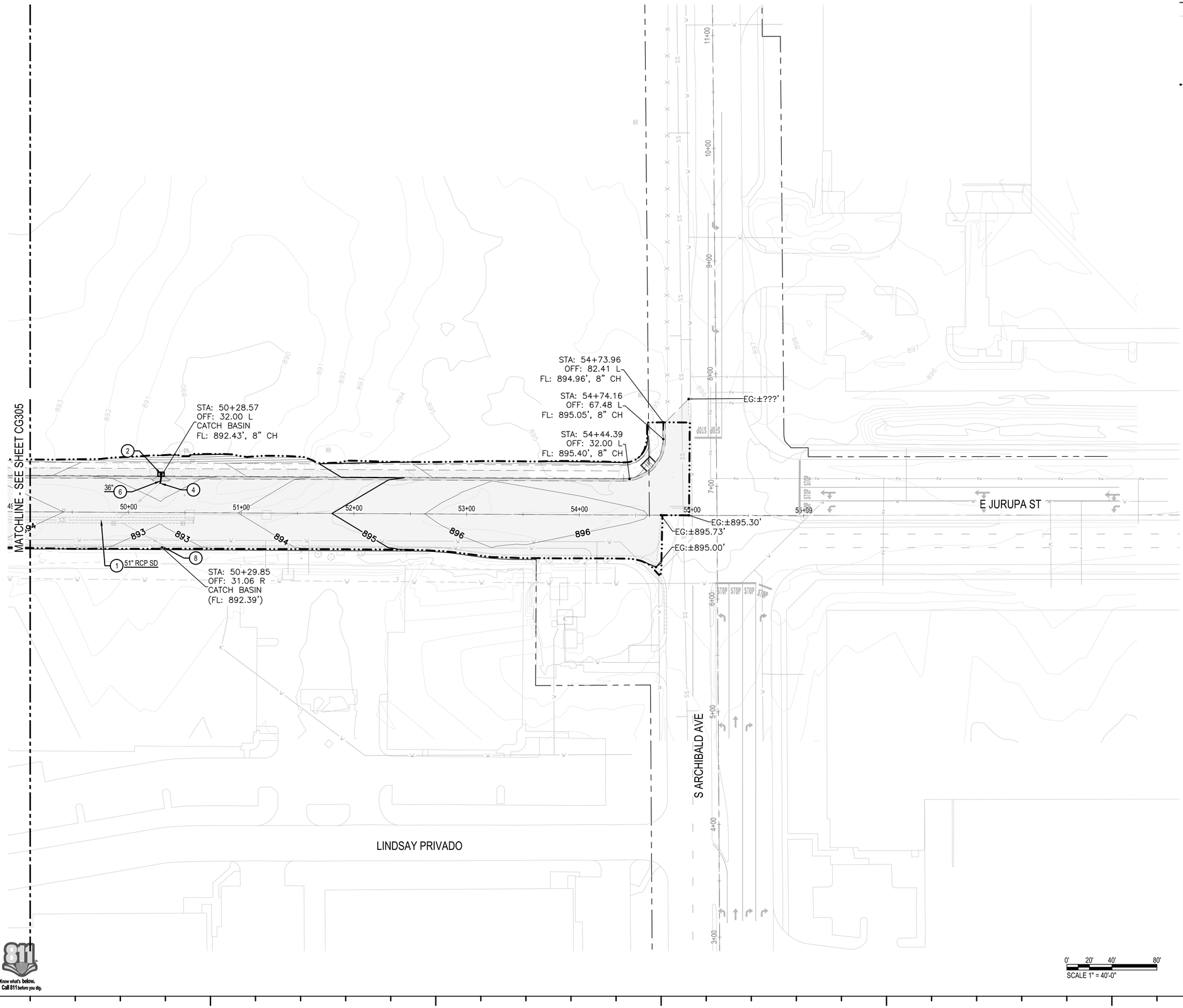
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Ontario International Airport, Ontario, CA

ROADWAY GRADING AND DRAINAGE 5

No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER **CG305**
SHEET COUNT **32** of **53**

Plotted By:Megan Monticone Sheet Set:Kha Layout:CG-305 June 09, 2021 03:37:50pm J:\77645_ONT_APL_Avion\00_CADD\01_Sheets\CG-300.dwg
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LEGEND:

- PROPOSED STORM DRAIN LINE (SD)
- EXISTING UTILITY LINE
- PROPOSED ROADWAY PAVEMENT / CURB & GUTTER / SIDEWALK
- PROPOSED PAVEMENT IMPROVEMENT LIMITS
- LIMITS OF GRADING

CONSTRUCTION NOTES

1. PROTECT IN PLACE EXISTING UTILITY
2. INSTALL SIDE OPENING CATCH BASIN PER CITY OF ONTARIO STD 3003. SEE DETAILS 2 ON SHEET CC403
3. INSTALL STORM DRAIN MANHOLE PER CITY OF ONTARIO STD 3008. SEE DETAILS 1 ON SHEET CC404
4. CONNECT TO EXISTING STORM DRAIN LINE
5. CAP AND PLUG STORM DRAIN LINE
6. CONSTRUCT RCP STORM DRAIN LINE, REFER TO PLAN FOR SIZE
7. PROPOSED FLARED END SECTION. PROVIDE RIP-RAP, SEE DETAIL 1 ON SHEET CG311
8. EXISTING SIDE OPENING CATCH BASIN
9. ABANDONED IN PLACE EXISTING RCP SD LINE
10. PROPOSED 36"X36" CATCH BASIN INLET.

NOTES

1. REFER TO SHEET CU101 TO CU106 FOR COMPOSITE UTILITY CONSTRUCTION NOTES AND LAYOUT.

SCALE 1" = 40'-0"

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STATE OF CALIFORNIA

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Ontario International Airport, Ontario, CA

ROADWAY GRADING AND DRAINAGE 6

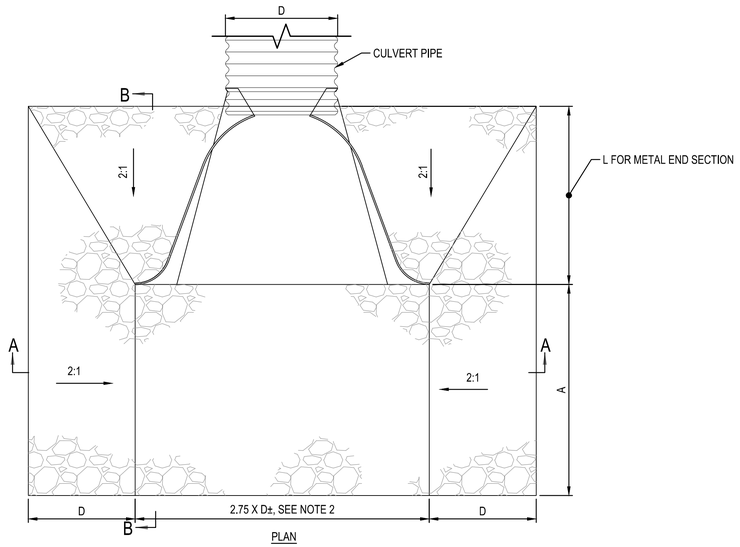
No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER: CG306
SHEET COUNT: 33 of 53

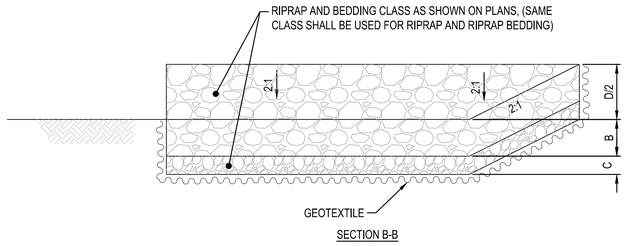
Know what's below. Call 811 before you dig.

Plotted By:Megan Monticone Sheet Set:Kha Layout:CG-306 June 09, 2021 04:11:42pm J:\77645_ONT_APL_Avion\00_CADD\01_Sheets\CG-300.dwg

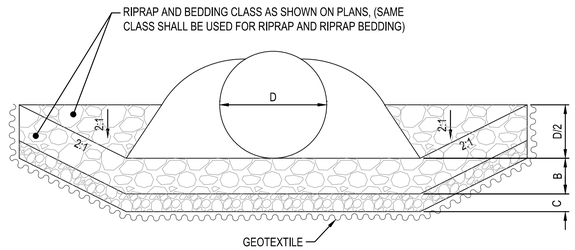
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PLAN



SECTION B-B



SECTION A-A

1 RIPRAP FOR FLARED END SECTION
CG301 - CG306 NTS

NOTES:

1. FOR MULTIPLE PIPE OR RCB INSTALLATIONS, THIS DIMENSION SHALL BE ADJUSTED ACCORDING TO THE PIPE SEPARATION INFORMATION OR IN THE HEADWALL DETAILS.
2. TRANSITION END OF RIPRAP TO DOWN STREAM CHANNEL. ROADWAY MAY BE SKEWED AND DIMENSIONS ADJUSTED TO MATCH AND LINE UP WITH DOWN STREAM CHANNEL.
3. GEOTEXTILE SHALL BE MIRALFI 160N OR APPROVED EQUAL.

RIPRAP AND BEDDING CLASS	"B" IN.	"C" IN.
150	12	8
300	24	8
400	36	10
550	48	12
700	60	12
900	72	24

CULVERT SIZE	"A"
12" TO 36" PIPE	✳ 3D
42" TO 84" PIPE	✳ 4D
RCB	✳ 4H

✳ OR AS SPECIFIED

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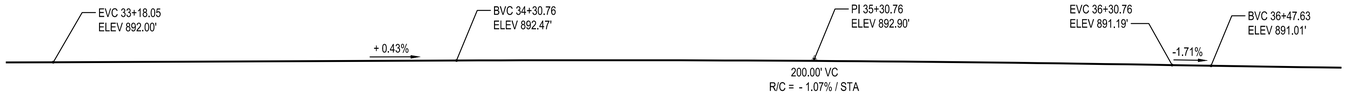
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Ontario International Airport, Ontario, CA

GRADING AND DRAINAGE DETAILS

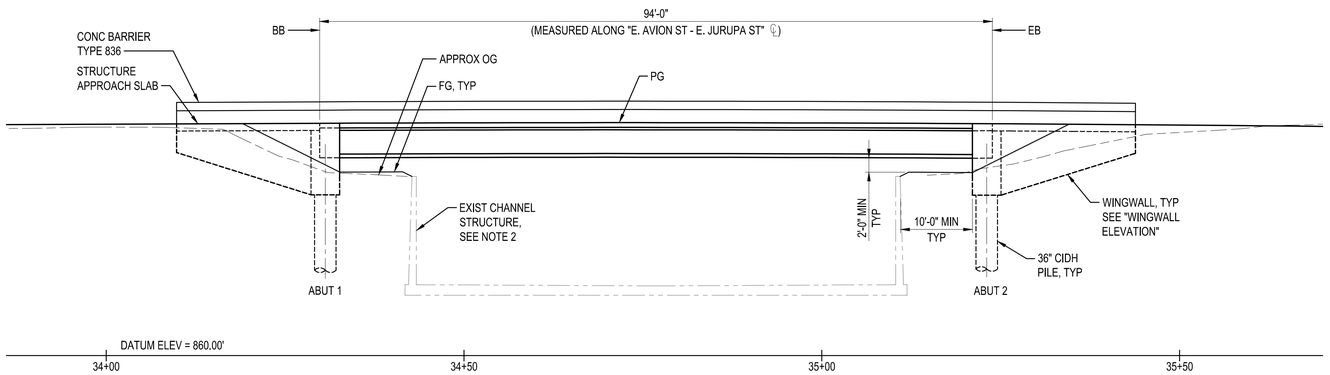
No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER **CG311**
SHEET COUNT **33A** of **53**

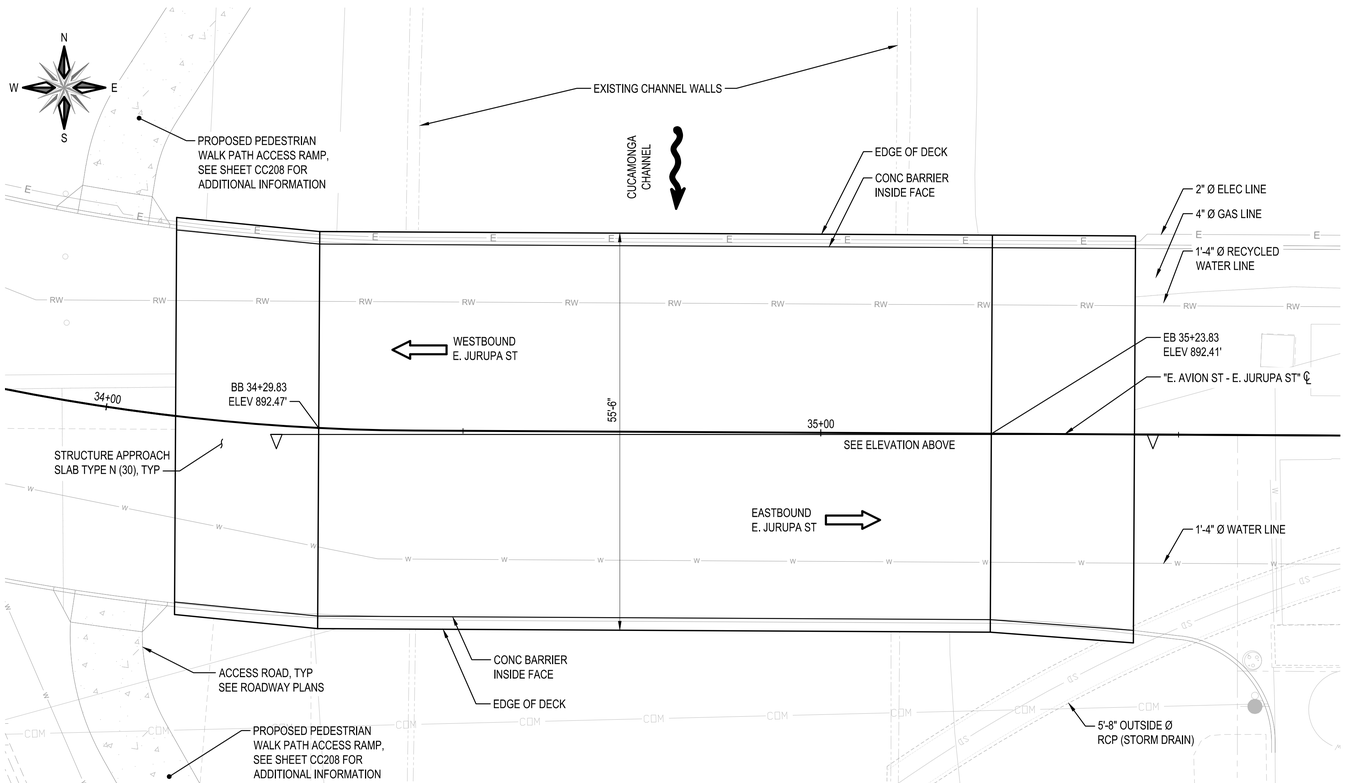
Plotted By:Bill Marek Sheet Set:Kho Layout:CG311 June 09, 2021 08:49:23am J:\77645_ONT_APL_Avion\00_CADD\01_Sheets\CG-311.dwg
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PROFILE GRADE
NOT TO SCALE



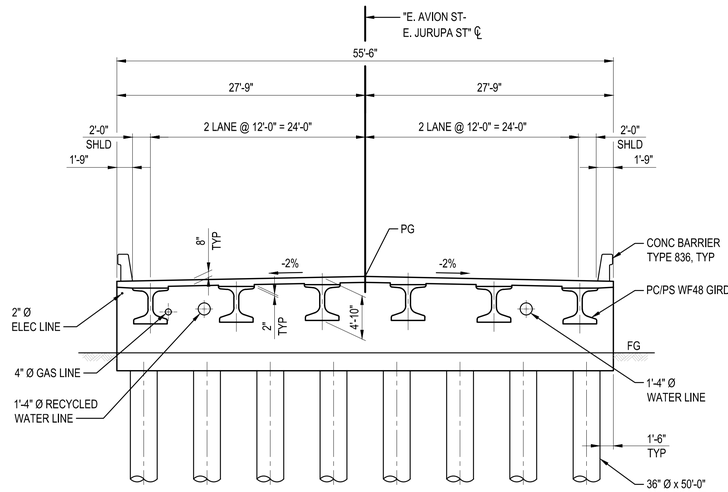
ELEVATION
SCALE: 1" = 10'-0"



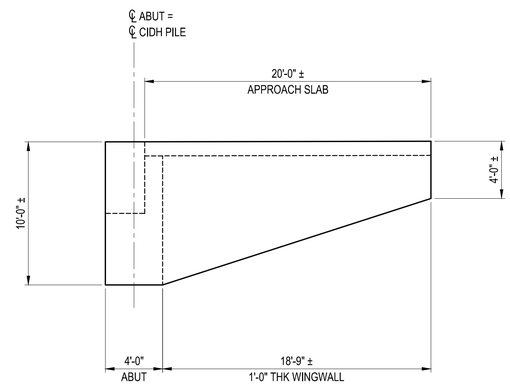
PLAN
SCALE: 1" = 10'-0"

NOTES:
1. ALL DIMENSIONS ARE SHOWN FOR COST ESTIMATION PURPOSES ONLY AND ARE SUBJECT TO CHANGE IN DETAIL DESIGN PHASE.
2. EXISTING CHANNEL IS APPROXIMATE. REFER TO CIVIL DRAWINGS FOR CHANNEL INFORMATION.

LEGEND:
- EXISTING STRUCTURE
- NEW STRUCTURE
- TRAFFIC DIRECTION



TYPICAL SECTION
SCALE: 1" = 8'-0"



WINGWALL ELEVATION
SCALE: 1" = 5'-0"

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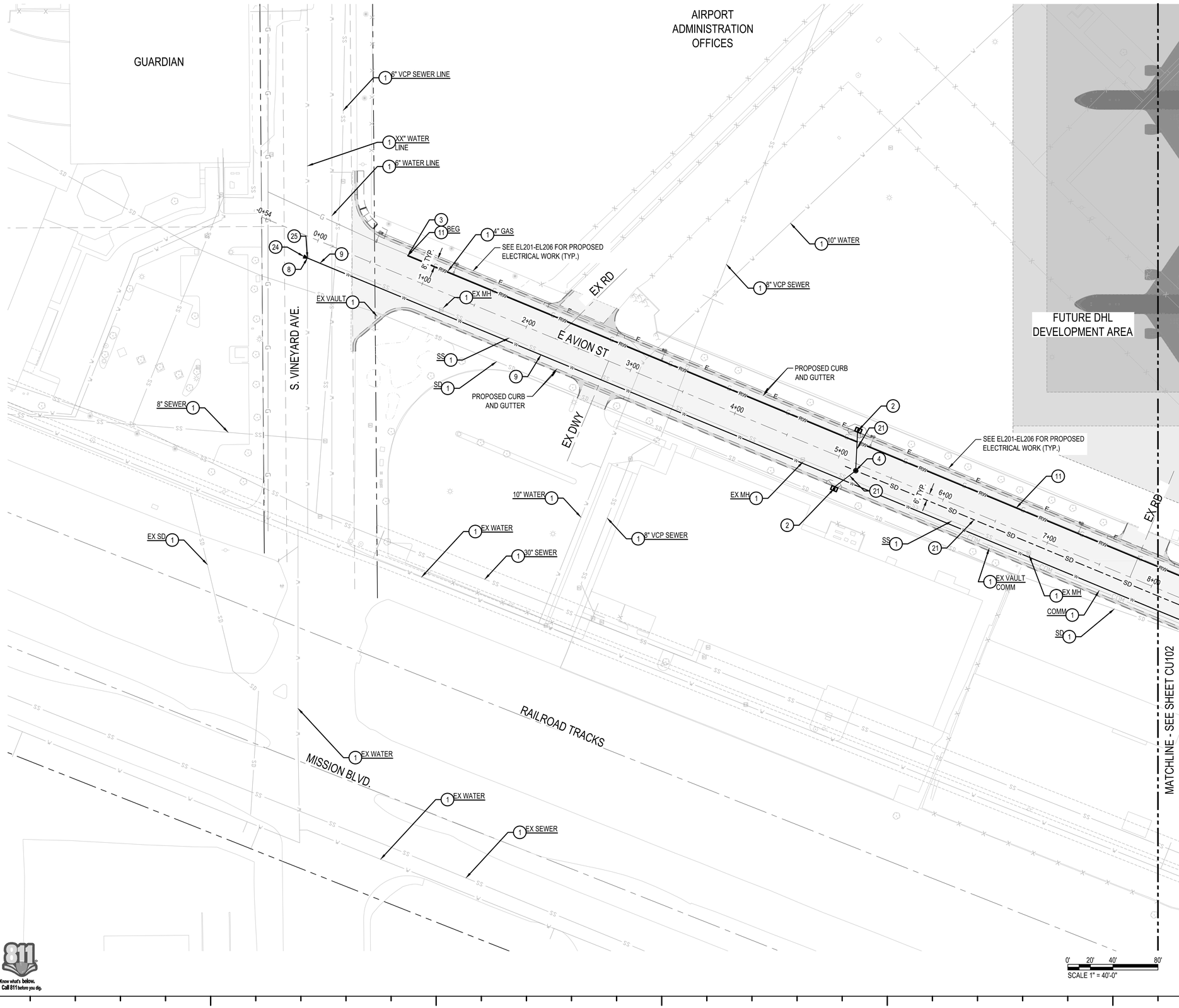
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STRUCTURAL CUCAMONGA CHANNEL

No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: NSM
DRAWN BY: JV
REVIEWED BY: HL
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER **S101**
SHEET COUNT **34** of **53**

Plotted By:Bill Marek Sheet Set:Kha Layout:S101 June 08, 2021 01:24:57pm J:\77645_ONT_APL_Avion\00_CADD\01_Sheets\S-101.dwg
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LEGEND:

- PROPOSED ELECTRICAL LINE
- PROPOSED RECYCLED WATER LINE
- PROPOSED WATER LINE
- PROPOSED SEWER LINE
- PROPOSED STORM DRAIN LINE
- PROPOSED COMMUNICATION LINE
- PROPOSED GAS LINE
- EXISTING UTILITY LINE
- PROPOSED ROADWAY PAVEMENT / CURB & GUTTER / SIDEWALK
- PROPOSED PAVEMENT IMPROVEMENT LIMITS

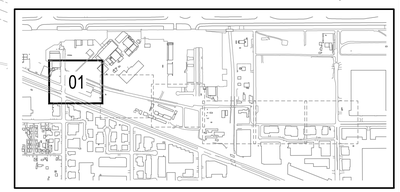
CONSTRUCTION NOTES

1. PROTECT IN PLACE EXISTING UTILITY
2. PROPOSED CATCH BASIN, REFER TO CG301 TO CG306.
3. CAP AND PLUG PROPOSED RECYCLED WATER LINE
4. PROPOSED STORM DRAIN MANHOLE REFER TO CG301 TO CG306.
5. INSTALL 8" VCP SEWER LINE PER CITY OF ONTARIO STD 2104 & 2105 CLASS C. SEE DETAIL 3 ON CC403.
6. INSTALL SEWER MANHOLE PER CITY OF ONTARIO STD 2001. SEE DETAIL 1 ON CC403
7. CONNECT TO EXISTING SEWER LINE MANHOLE
8. CONNECT TO EXISTING DOMESTIC WATER LINE
9. INSTALL 16" DIA. AWWA C900 DOMESTIC WATER LINE
10. INSTALL 4" GAS LINE
11. INSTALL 16" DIA. AWWA C900-DR14 PURPLE PIPE PER DETAIL X ON SHEET X
12. PROPOSED RELOCATED POWER POLE
13. CONNECT TO EXISTING 8" DIA. RECYCLED WATER LINE
14. CONNECT TO EXISTING GAS LINE
15. EXISTING SIDE OPENING CATCH BASIN.
16. PROPOSED FRONTIER COMMUNICATION AND SCE PULL BOX, BY OTHERS
17. PROPOSED UNDERGROUND FRONTIER COMM. CONDUIT, BY OTHERS
18. PROPOSED RELOCATED OVERHEAD COMM LINES
19. CAP AND PLUG PROPOSED GAS LINE
20. ABANDON IN PLACE EXISTING 12" DOMESTIC WATER LINE CAP AND PLUG ENDS.
21. PROPOSED STORM DRAIN LINE. REFER CG301 - CG306
22. PROPOSED GATE VALVE PER CITY OF ONTARIO STD 4005. SEE DETAIL 3 ON CC404
23. RESTORE WATER SERVICE TO FEED CONNECTION
24. INSTALL CONCRETE THRUST BLOCK PER CITY OF ONTARIO STD 4004, SEE DETAIL 2 ON CC404
25. PROPOSED 16" GATE VALVE
26. INSTALL 2" GAS LINE

NOTES

1. PROTECT IN PLACE ALL EXISTING UTILITIES UNLESS OTHERWISE NOTED ON PLANS.
2. PROPOSED UNDERGROUND UTILITIES SHALL CONFORM TO ALL HORIZONTAL AND VERTICAL REQUIREMENTS AS DETAILED IN CITY OF ONTARIO STANDARD DRAWING NUMBER 1303 "TYPICAL UTILITY LAYOUT WITH NO MEDIAN".
3. CONTRACTOR TO INSTALL THRUST BLOCKS AT ALL RECYCLED WATER AND DOMESTIC WATER BENDS PER CITY OF ONTARIO STD 4004. SEE DETAIL 2 ON SHEET CC404.

N W E S



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Exp. 12/31/22
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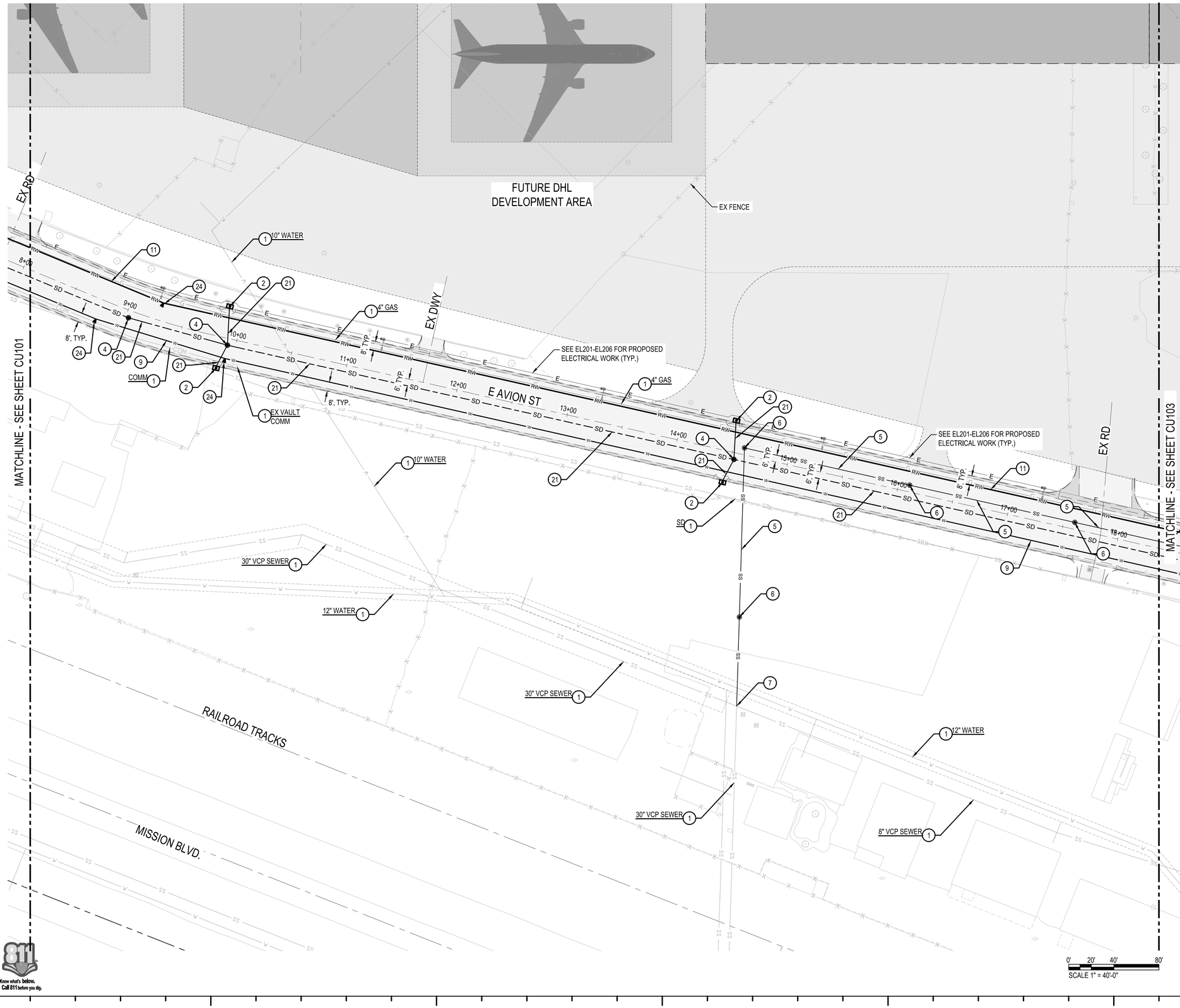
COMPOSITE UTILITY SHEET 1

No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER **CU101**
SHEET COUNT **35** of **53**

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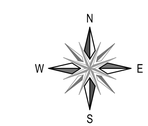
- PROPOSED ELECTRICAL LINE
- PROPOSED RECYCLED WATER LINE
- PROPOSED WATER LINE
- PROPOSED SEWER LINE
- PROPOSED STORM DRAIN LINE
- PROPOSED COMMUNICATION LINE
- PROPOSED GAS LINE
- EXISTING UTILITY LINE
- PROPOSED ROADWAY PAVEMENT / CURB & GUTTER / SIDEWALK
- PROPOSED PAVEMENT IMPROVEMENT LIMITS

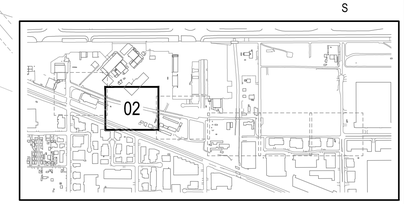
CONSTRUCTION NOTES

1. PROTECT IN PLACE EXISTING UTILITY
2. PROPOSED CATCH BASIN, REFER TO CG301 TO CG306.
3. CAP AND PLUG PROPOSED RECYCLED WATER LINE
4. PROPOSED STORM DRAIN MANHOLE REFER TO CG301 TO CG306.
5. INSTALL 8" VCP SEWER LINE PER CITY OF ONTARIO STD 2104 & 2105 CLASS C. SEE DETAIL 3 ON CC403.
6. INSTALL SEWER MANHOLE PER CITY OF ONTARIO STD 2001. SEE DETAIL 1 ON CC403
7. CONNECT TO EXISTING SEWER LINE MANHOLE
8. CONNECT TO EXISTING DOMESTIC WATER LINE
9. INSTALL 16" DIA. AWWA C900 DOMESTIC WATER LINE
10. INSTALL 4" GAS LINE
11. INSTALL 16" DIA. AWWA C900-DR14 PURPLE PIPE PER DETAIL X ON SHEET X
12. PROPOSED RELOCATED POWER POLE
13. CONNECT TO EXISTING 8" DIA. RECYCLED WATER LINE
14. CONNECT TO EXISTING GAS LINE
15. EXISTING SIDE OPENING CATCH BASIN.
16. PROPOSED FRONTIER COMMUNICATION AND SCE PULL BOX, BY OTHERS
17. PROPOSED UNDERGROUND FRONTIER COMM. CONDUIT, BY OTHERS
18. PROPOSED RELOCATED OVERHEAD COMM LINES
19. CAP AND PLUG PROPOSED GAS LINE
20. ABANDON IN PLACE EXISTING 12" DOMESTIC WATER LINE CAP AND PLUG ENDS.
21. PROPOSED STORM DRAIN LINE, REFER CG301 - CG306
22. PROPOSED GATE VALVE PER CITY OF ONTARIO STD 4005. SEE DETAIL 3 ON CC404
23. RESTORE WATER SERVICE TO FEED CONNECTION
24. INSTALL CONCRETE THRUST BLOCK PER CITY OF ONTARIO STD 4004, SEE DETAIL 2 ON CC404
25. PROPOSED 16" GATE VALVE
26. INSTALL 2" GAS LINE

NOTES

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2. PROPOSED UNDERGROUND UTILITIES SHALL CONFORM TO ALL HORIZONTAL AND VERTICAL REQUIREMENTS AS DETAILED IN CITY OF ONTARIO STANDARD DRAWING NUMBER 1303 "TYPICAL UTILITY LAYOUT WITH NO MEDIAN".
3. CONTRACTOR TO INSTALL THRUST BLOCKS AT ALL RECYCLED WATER AND DOMESTIC WATER BENDS PER CITY OF ONTARIO STD 4004. SEE DETAIL 2 ON SHEET CC404.





0' 20' 40' 80'
SCALE 1" = 40'-0"

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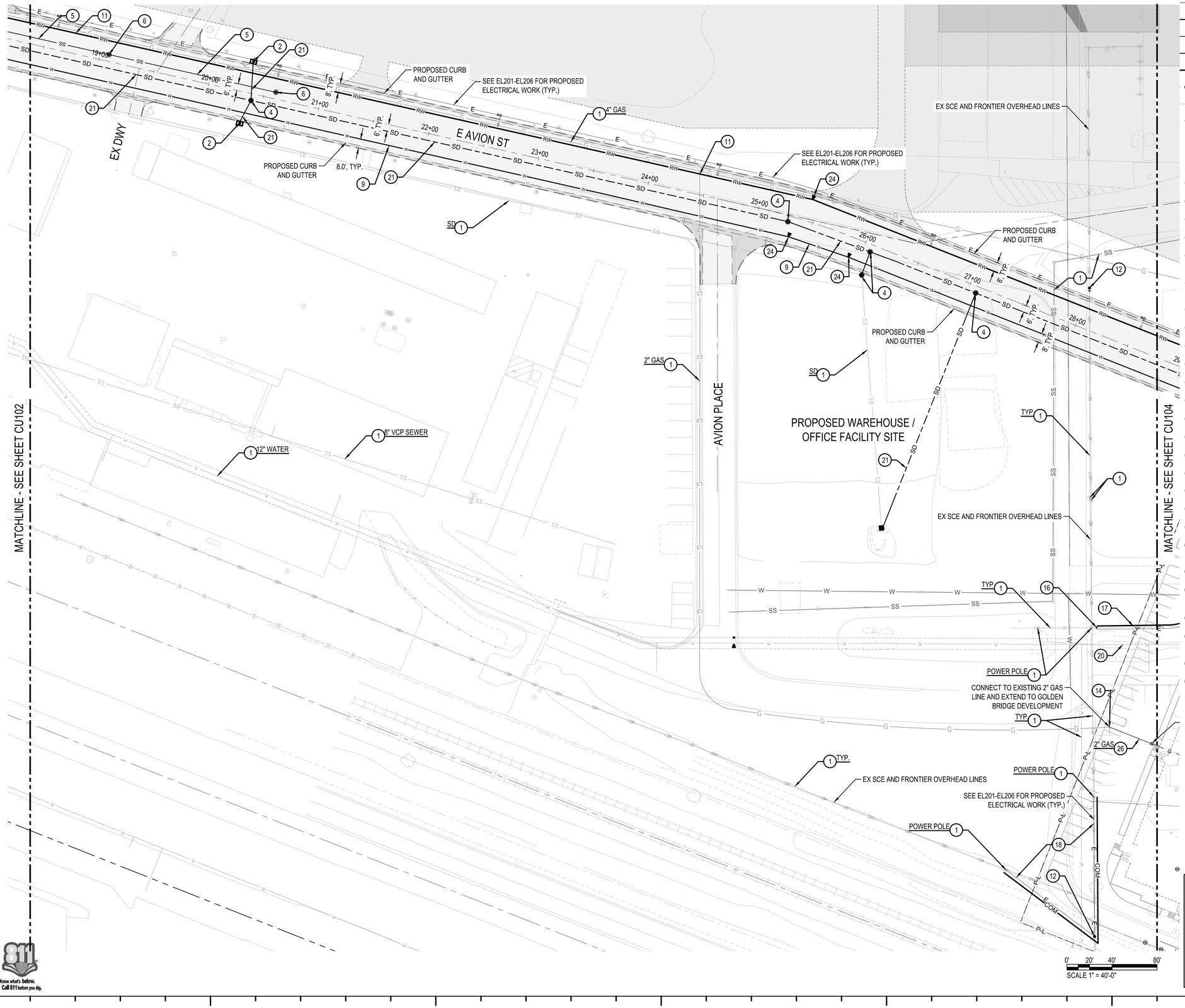
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COMPOSITE UTILITY SHEET 2

No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER **CU102**
SHEET COUNT **36** of **53**

Plotted By:Bill Marek Sheet Set:Kha Layout:CU-102 June 09, 2021 02:32:59pm J:\77645_ONT_APL_Avion\00_CADD\01_Sheets\CU-101.dwg
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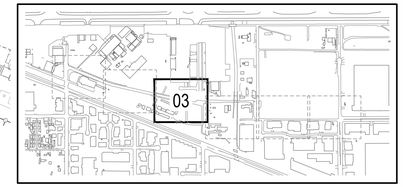
- E — PROPOSED ELECTRICAL LINE
- RW — PROPOSED RECYCLED WATER LINE
- W — PROPOSED WATER LINE
- SS — PROPOSED SEWER LINE
- SD — PROPOSED STORM DRAIN LINE
- COM — PROPOSED COMMUNICATION LINE
- GAS — GAS — PROPOSED GAS LINE
- EXISTING UTILITY LINE
- PROPOSED ROADWAY PAVEMENT / CURB & GUTTER / SIDEWALK
- PROPOSED PAVEMENT IMPROVEMENT LIMITS

CONSTRUCTION NOTES

1. PROTECT IN PLACE EXISTING UTILITY
2. PROPOSED CATCH BASIN, REFER TO CG301 TO CG306.
3. CAP AND PLUG PROPOSED RECYCLED WATER LINE
4. PROPOSED STORM DRAIN MANHOLE REFER TO CG301 TO CG306.
5. INSTALL 8" VCP SEWER LINE PER CITY OF ONTARIO STD 2104 & 2105 CLASS C. SEE DETAIL 3 ON CC403.
6. INSTALL SEWER MANHOLE PER CITY OF ONTARIO STD 2001. SEE DETAIL 1 ON CC403
7. CONNECT TO EXISTING SEWER LINE MANHOLE
8. CONNECT TO EXISTING DOMESTIC WATER LINE
9. INSTALL 16" DIA. AWWA C900 DOMESTIC WATER LINE
10. INSTALL 4" GAS LINE
11. INSTALL 16" DIA. AWWA C900-DR14 PURPLE PIPE PER DETAIL X ON SHEET X
12. PROPOSED RELOCATED POWER POLE
13. CONNECT TO EXISTING 8" DIA. RECYCLED WATER LINE
14. CONNECT TO EXISTING GAS LINE
15. EXISTING SIDE OPENING CATCH BASIN.
16. PROPOSED FRONTIER COMMUNICATION AND SCE PULL BOX, BY OTHERS
17. PROPOSED UNDERGROUND FRONTIER COMM. CONDUIT, BY OTHERS
18. PROPOSED RELOCATED OVERHEAD COMM LINES
19. CAP AND PLUG PROPOSED GAS LINE
20. ABANDON IN PLACE EXISTING 12" DOMESTIC WATER LINE CAP AND PLUG ENDS.
21. PROPOSED STORM DRAIN LINE. REFER CG301 - CG306
22. PROPOSED GATE VALVE PER CITY OF ONTARIO STD 4005. SEE DETAIL 3 ON CC404
23. RESTORE WATER SERVICE TO FEED CONNECTION
24. INSTALL CONCRETE THRUST BLOCK PER CITY OF ONTARIO STD 4004, SEE DETAIL 2 ON CC404
25. PROPOSED 16" GATE VALVE
26. INSTALL 2" GAS LINE

NOTES

1. PROTECT IN PLACE ALL EXISTING UTILITIES UNLESS OTHERWISE NOTED ON PLANS.
2. PROPOSED UNDERGROUND UTILITIES SHALL CONFORM TO ALL HORIZONTAL AND VERTICAL REQUIREMENTS AS DETAILED IN CITY OF ONTARIO STANDARD DRAWING NUMBER 1303 "TYPICAL UTILITY LAYOUT WITH NO MEDIAN".
3. CONTRACTOR TO INSTALL THRUST BLOCKS AT ALL RECYCLED WATER AND DOMESTIC WATER BENDS PER CITY OF ONTARIO STD 4004. SEE DETAIL 2 ON SHEET CC404.



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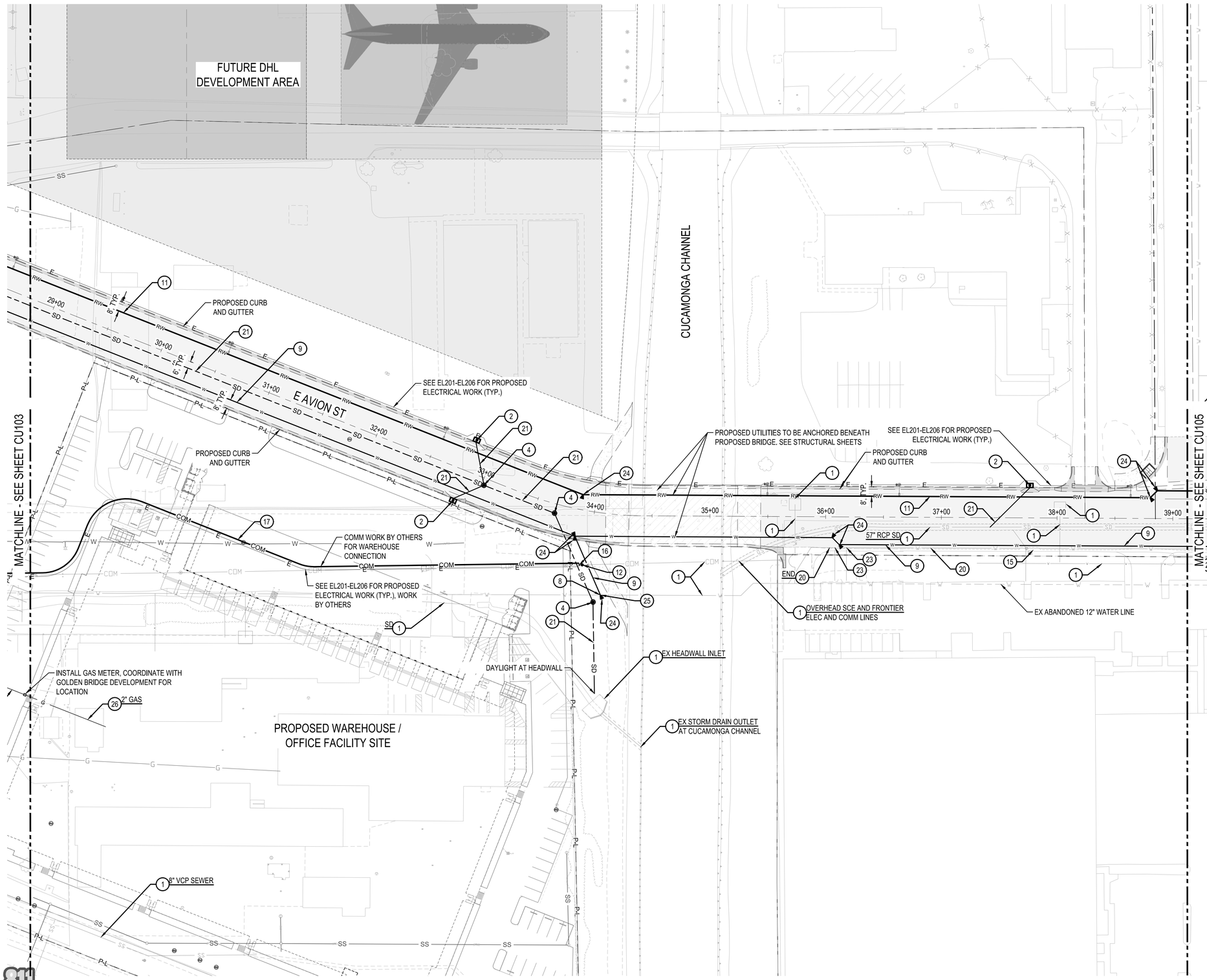
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COMPOSITE UTILITY SHEET 3

No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER: **CU103**
SHEET COUNT: **37** of **53**

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Plotted By:Bill Marek Sheet Set:Kha Layout:CU-103 June 09, 2021 02:34:32pm J:\77645_ONT_APL_Avion\00_CADD\01_Sheets\CU-101.dwg
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LEGEND:

- PROPOSED ELECTRICAL LINE
- PROPOSED RECYCLED WATER LINE
- PROPOSED WATER LINE
- PROPOSED SEWER LINE
- PROPOSED STORM DRAIN LINE
- PROPOSED COMMUNICATION LINE
- PROPOSED GAS LINE
- EXISTING UTILITY LINE
- PROPOSED ROADWAY PAVEMENT / CURB & GUTTER / SIDEWALK
- PROPOSED PAVEMENT IMPROVEMENT LIMITS

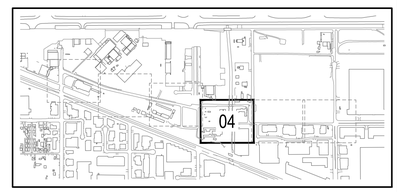
CONSTRUCTION NOTES

1. PROTECT IN PLACE EXISTING UTILITY
2. PROPOSED CATCH BASIN, REFER TO CG301 TO CG306.
3. CAP AND PLUG PROPOSED RECYCLED WATER LINE
4. PROPOSED STORM DRAIN MANHOLE REFER TO CG301 TO CG306.
5. INSTALL 8" VCP SEWER LINE PER CITY OF ONTARIO STD 2104 & 2105 CLASS C. SEE DETAIL 3 ON CC403.
6. INSTALL SEWER MANHOLE PER CITY OF ONTARIO STD 2001. SEE DETAIL 1 ON CC403
7. CONNECT TO EXISTING SEWER LINE MANHOLE
8. CONNECT TO EXISTING DOMESTIC WATER LINE
9. INSTALL 16" DIA. AWWA C900 DOMESTIC WATER LINE
10. INSTALL 4" GAS LINE
11. INSTALL 16" DIA. AWWA C900-DR14 PURPLE PIPE PER DETAIL X ON SHEET X
12. PROPOSED RELOCATED POWER POLE
13. CONNECT TO EXISTING 8" DIA. RECYCLED WATER LINE
14. CONNECT TO EXISTING GAS LINE
15. EXISTING SIDE OPENING CATCH BASIN.
16. PROPOSED FRONTIER COMMUNICATION AND SCE PULL BOX, BY OTHERS
17. PROPOSED UNDERGROUND FRONTIER COMM. CONDUIT, BY OTHERS
18. PROPOSED RELOCATED OVERHEAD COMM LINES
19. CAP AND PLUG PROPOSED GAS LINE
20. ABANDON IN PLACE EXISTING 12" DOMESTIC WATER LINE CAP AND PLUG ENDS.
21. PROPOSED STORM DRAIN LINE. REFER CG301 - CG306
22. PROPOSED GATE VALVE PER CITY OF ONTARIO STD 4005. SEE DETAIL 3 ON CC404
23. RESTORE WATER SERVICE TO FEED CONNECTION
24. INSTALL CONCRETE THRUST BLOCK PER CITY OF ONTARIO STD 4004, SEE DETAIL 2 ON CC404
25. PROPOSED 16" GATE VALVE
26. INSTALL 2" GAS LINE

NOTES

1. PROTECT IN PLACE ALL EXISTING UTILITIES UNLESS OTHERWISE NOTED ON PLANS.
2. PROPOSED UNDERGROUND UTILITIES SHALL CONFORM TO ALL HORIZONTAL AND VERTICAL REQUIREMENTS AS DETAILED IN CITY OF ONTARIO STANDARD DRAWING NUMBER 1303 "TYPICAL UTILITY LAYOUT WITH NO MEDIAN".
3. CONTRACTOR TO INSTALL THRUST BLOCKS AT ALL RECYCLED WATER AND DOMESTIC WATER BENDS PER CITY OF ONTARIO STD 4004. SEE DETAIL 2 ON SHEET CC404.

SCALE 1" = 40'-0"



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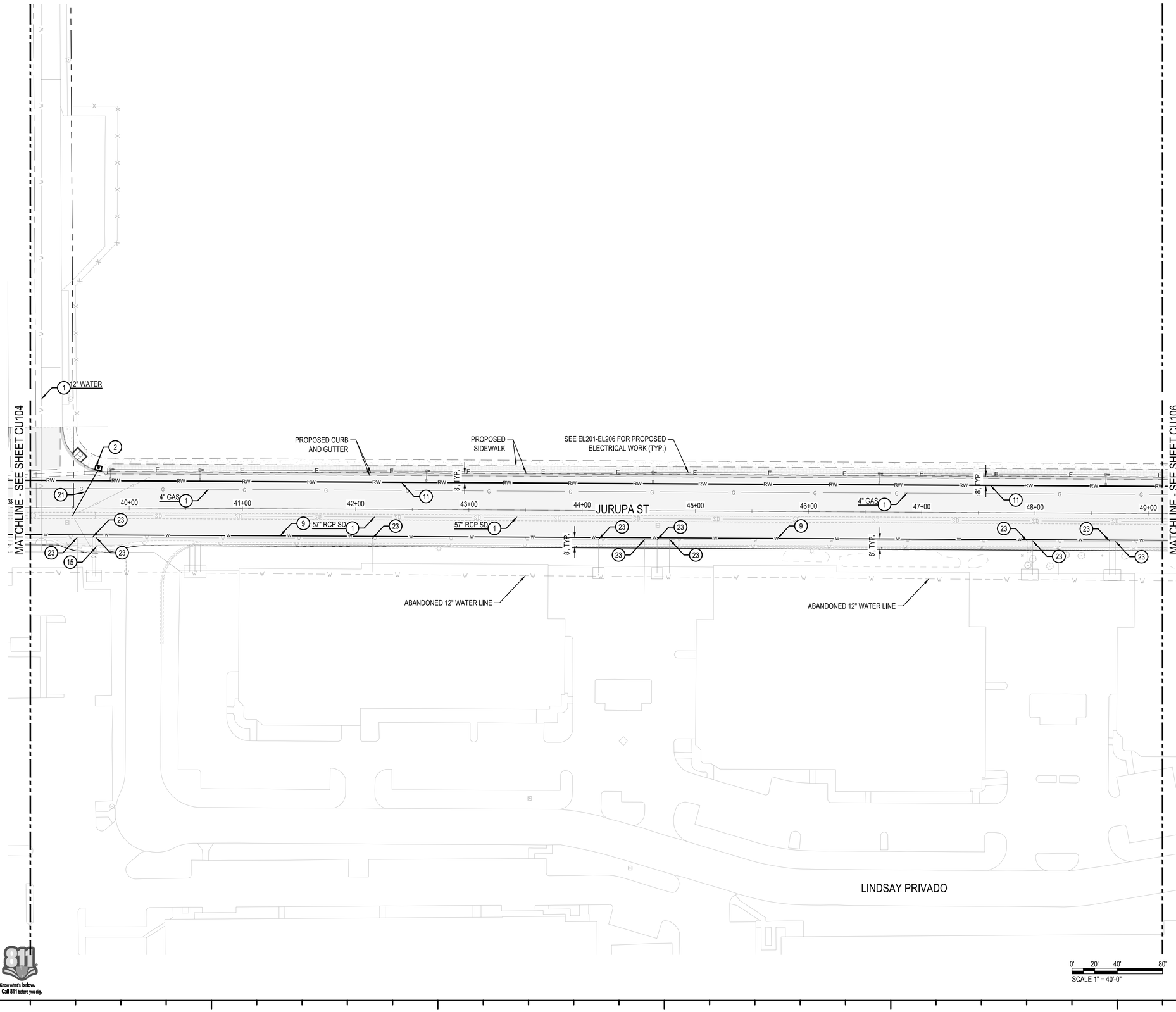
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Ontario International Airport, Ontario, CA

COMPOSITE UTILITY SHEET 4

No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER **CU104**
SHEET COUNT **38** of **53**

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SCALE 1" = 40'-0"

LEGEND:

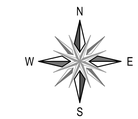
- PROPOSED ELECTRICAL LINE
- PROPOSED RECYCLED WATER LINE
- PROPOSED WATER LINE
- PROPOSED SEWER LINE
- PROPOSED STORM DRAIN LINE
- PROPOSED COMMUNICATION LINE
- PROPOSED GAS LINE
- EXISTING UTILITY LINE
- PROPOSED ROADWAY PAVEMENT / CURB & GUTTER / SIDEWALK
- PROPOSED PAVEMENT IMPROVEMENT LIMITS

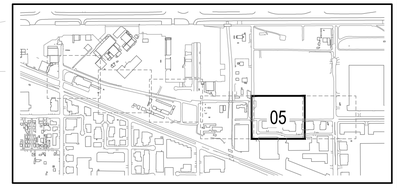
CONSTRUCTION NOTES

1. PROTECT IN PLACE EXISTING UTILITY
2. PROPOSED CATCH BASIN, REFER TO CG301 TO CG306.
3. CAP AND PLUG PROPOSED RECYCLED WATER LINE
4. PROPOSED STORM DRAIN MANHOLE REFER TO CG301 TO CG306.
5. INSTALL 8" VCP SEWER LINE PER CITY OF ONTARIO STD 2104 & 2105 CLASS C. SEE DETAIL 3 ON CC403.
6. INSTALL SEWER MANHOLE PER CITY OF ONTARIO STD 2001. SEE DETAIL 1 ON CC403
7. CONNECT TO EXISTING SEWER LINE MANHOLE
8. CONNECT TO EXISTING DOMESTIC WATER LINE
9. INSTALL 16" DIA. AWWA C900 DOMESTIC WATER LINE
10. INSTALL 4" GAS LINE
11. INSTALL 16" DIA. AWWA C900-DR14 PURPLE PIPE PER DETAIL X ON SHEET X
12. PROPOSED RELOCATED POWER POLE
13. CONNECT TO EXISTING 8" DIA. RECYCLED WATER LINE
14. CONNECT TO EXISTING GAS LINE
15. EXISTING SIDE OPENING CATCH BASIN.
16. PROPOSED FRONTIER COMMUNICATION AND SCE PULL BOX, BY OTHERS
17. PROPOSED UNDERGROUND FRONTIER COMM. CONDUIT, BY OTHERS
18. PROPOSED RELOCATED OVERHEAD COMM LINES
19. CAP AND PLUG PROPOSED GAS LINE
20. ABANDON IN PLACE EXISTING 12" DOMESTIC WATER LINE CAP AND PLUG ENDS.
21. PROPOSED STORM DRAIN LINE. REFER CG301 - CG306
22. PROPOSED GATE VALVE PER CITY OF ONTARIO STD 4005. SEE DETAIL 3 ON CC404
23. RESTORE WATER SERVICE TO FEED CONNECTION
24. INSTALL CONCRETE THRUST BLOCK PER CITY OF ONTARIO STD 4004, SEE DETAIL 2 ON CC404
25. PROPOSED 16" GATE VALVE
26. INSTALL 2" GAS LINE

NOTES

1. PROTECT IN PLACE ALL EXISTING UTILITIES UNLESS OTHERWISE NOTED ON PLANS.
2. PROPOSED UNDERGROUND UTILITIES SHALL CONFORM TO ALL HORIZONTAL AND VERTICAL REQUIREMENTS AS DETAILED IN CITY OF ONTARIO STANDARD DRAWING NUMBER 1303 "TYPICAL UTILITY LAYOUT WITH NO MEDIAN".
3. CONTRACTOR TO INSTALL THRUST BLOCKS AT ALL RECYCLED WATER AND DOMESTIC WATER BENDS PER CITY OF ONTARIO STD 4004. SEE DETAIL 2 ON SHEET CC404.





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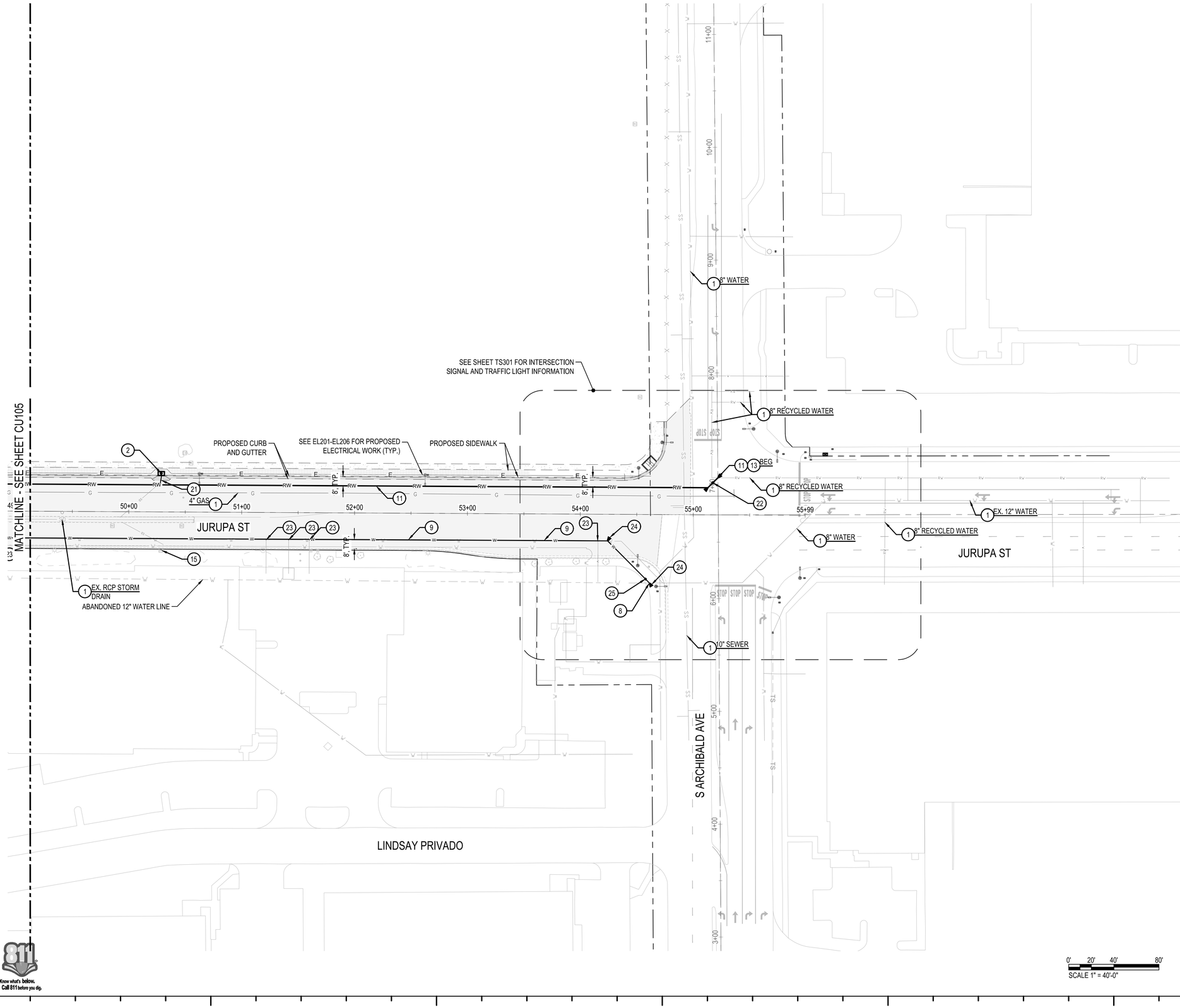
COMPOSITE UTILITY SHEET 5

No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER **CU105**
SHEET COUNT **39** of **53**

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LEGEND:

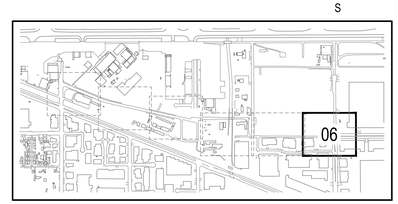
- PROPOSED ELECTRICAL LINE
- PROPOSED RECYCLED WATER LINE
- PROPOSED WATER LINE
- PROPOSED SEWER LINE
- PROPOSED STORM DRAIN LINE
- PROPOSED COMMUNICATION LINE
- PROPOSED GAS LINE
- EXISTING UTILITY LINE
- PROPOSED ROADWAY PAVEMENT / CURB & GUTTER / SIDEWALK
- PROPOSED PAVEMENT IMPROVEMENT LIMITS

CONSTRUCTION NOTES

1. PROTECT IN PLACE EXISTING UTILITY
2. PROPOSED CATCH BASIN, REFER TO CG301 TO CG306.
3. CAP AND PLUG PROPOSED RECYCLED WATER LINE
4. PROPOSED STORM DRAIN MANHOLE REFER TO CG301 TO CG306.
5. INSTALL 8" VCP SEWER LINE PER CITY OF ONTARIO STD 2104 & 2105 CLASS C. SEE DETAIL 3 ON CC403.
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7. CONNECT TO EXISTING SEWER LINE MANHOLE
8. CONNECT TO EXISTING DOMESTIC WATER LINE
9. INSTALL 16" DIA. AWWA C900 DOMESTIC WATER LINE
10. INSTALL 4" GAS LINE
11. INSTALL 16" DIA. AWWA C900-DR14 PURPLE PIPE PER DETAIL X ON SHEET X
12. PROPOSED RELOCATED POWER POLE
13. CONNECT TO EXISTING 8" DIA. RECYCLED WATER LINE
14. CONNECT TO EXISTING GAS LINE
15. EXISTING SIDE OPENING CATCH BASIN.
16. PROPOSED FRONTIER COMMUNICATION AND SCE PULL BOX, BY OTHERS
17. PROPOSED UNDERGROUND FRONTIER COMM. CONDUIT, BY OTHERS
18. PROPOSED RELOCATED OVERHEAD COMM LINES
19. CAP AND PLUG PROPOSED GAS LINE
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21. PROPOSED STORM DRAIN LINE, REFER CG301 - CG306
22. PROPOSED GATE VALVE PER CITY OF ONTARIO STD 4005. SEE DETAIL 3 ON CC404
23. RESTORE WATER SERVICE TO FEED CONNECTION
24. INSTALL CONCRETE THRUST BLOCK PER CITY OF ONTARIO STD 4004, SEE DETAIL 2 ON CC404
25. PROPOSED 16" GATE VALVE
26. INSTALL 2" GAS LINE

NOTES

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3. CONTRACTOR TO INSTALL THRUST BLOCKS AT ALL RECYCLED WATER AND DOMESTIC WATER BENDS PER CITY OF ONTARIO STD 4004. SEE DETAIL 2 ON SHEET CC404.



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Exp. 12/31/22
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STATE OF CALIFORNIA

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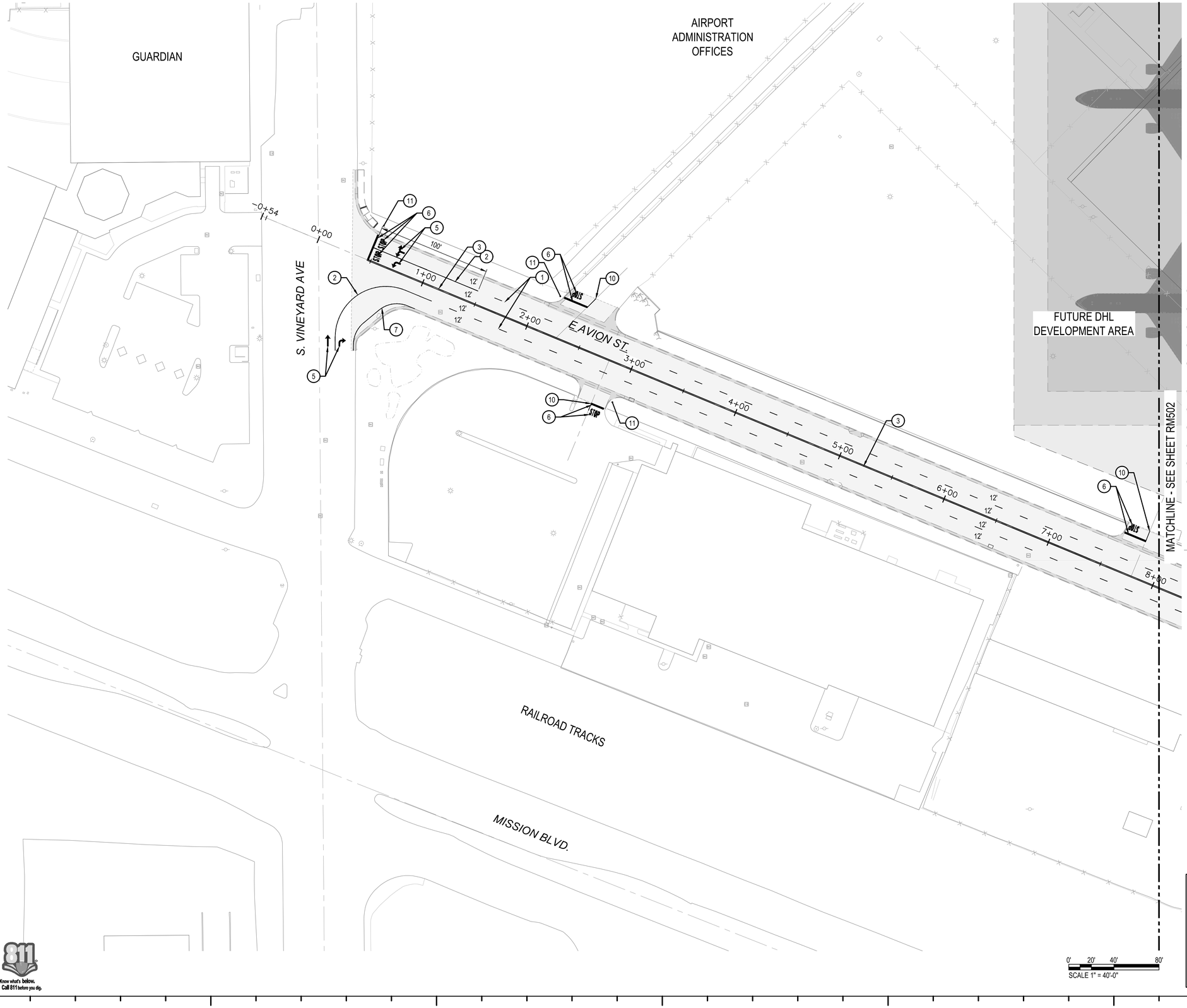
COMPOSITE UTILITY SHEET 6

No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER **CU106**
SHEET COUNT **40** of **53**

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GENERAL MARKING NOTES:

1. ALL WORK AND MATERIALS SHALL CONFORM TO CALTRANS STANDARD PLANS AND SECTIONS 56, 82, 84, AND 85 OF THE CALTRANS STANDARD SPECIFICATIONS, LATEST EDITION, AND CITY OF ONTARIO SPECIAL PROVISIONS FOR SIGNING AND STRIPING EXCEPT AS INDICATED HEREON.
2. THE CONTRACTOR SHALL RENEW OR REPLACE ANY EXISTING TRAFFIC STRIPING AND/OR PAVEMENT MARKINGS, WHICH DURING HIS OPERATIONS HAVE BEEN EITHER REMOVED OR THE EFFECTIVENESS OF WHICH HAS BEEN REDUCED.
3. ALL SIGNS NOT RELOCATED SHALL BE INSTALLED NEW AND SHALL BE 3M, DIAMOND VIP GRADE OR EQUIVALENT WITH SERIES 1160 PREMIUM PROTECTIVE OVERLAY FILM.
4. SIGNS NOT MOUNTED ON STREET LIGHTS SHALL BE MOUNTED USING TELESPAR 20F12-2, 12 GAUGE POST(S) WITH QUICK PUNCH HOLES, TELESPAR 25K-12-S-2.4 ANCHORS AND TELESPAR TL-220 DRIVE NUTS.
5. ALL SIGNS SHALL BE BLOCKED, OR BLOCKED AND BRACED IN ACCORDANCE WITH NOTE #2 ON CALTRANS STANDARD PLAN RS2. BLOCKS SHALL HAVE A 3/8" HOLE IN THE CENTER SO THAT THEY ARE HELD IN PLACE BETWEEN THE SIGN AND THE POST BY THE CENTER MOUNTING BOLT.
6. IN CASE OF ACCIDENTS INVOLVING SAFETY MATTERS COVERED BY SECTION 6409.1B OF THE CALIFORNIA LABOR CODE, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE STATE DIVISION OF INDUSTRIAL SAFETY.

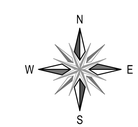
CONSTRUCTION NOTES:

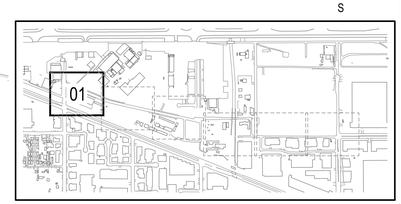
1. INSTALL DETAIL 8 LANE LINE STRIPE
2. INSTALL DETAIL 38A CHANNELIZING LINE STRIPE
3. INSTALL DETAIL 22 DOUBLE YELLOW STRIPE
4. INSTALL DETAIL 28 MEDIAN ISLAND STRIPING
5. INSTALL ROADWAY DIRECTIONAL ARROW MARKING. SEE PLANS FOR ARROW TYPE
6. INSTALL 12" WHITE STOP BAR AND STOP LEGEND(S)
7. INSTALL ROADWAY EDGE MARKING
8. INSTALL PEDESTRIAN CROSSING WALK PATH MARKING
9. INSTALL DETAIL 27C LANE EXTENSION STRIPE
10. INSTALL ROADWAY CENTER MARKING TO LIMITS OF WORK
11. INSTALL R1-1 "STOP" SIGN.

GENERAL LEGEND:

PROPOSED ROADWAY PAVEMENT / CURB & GUTTER / SIDEWALK

PROPOSED PAVEMENT IMPROVEMENT LIMITS





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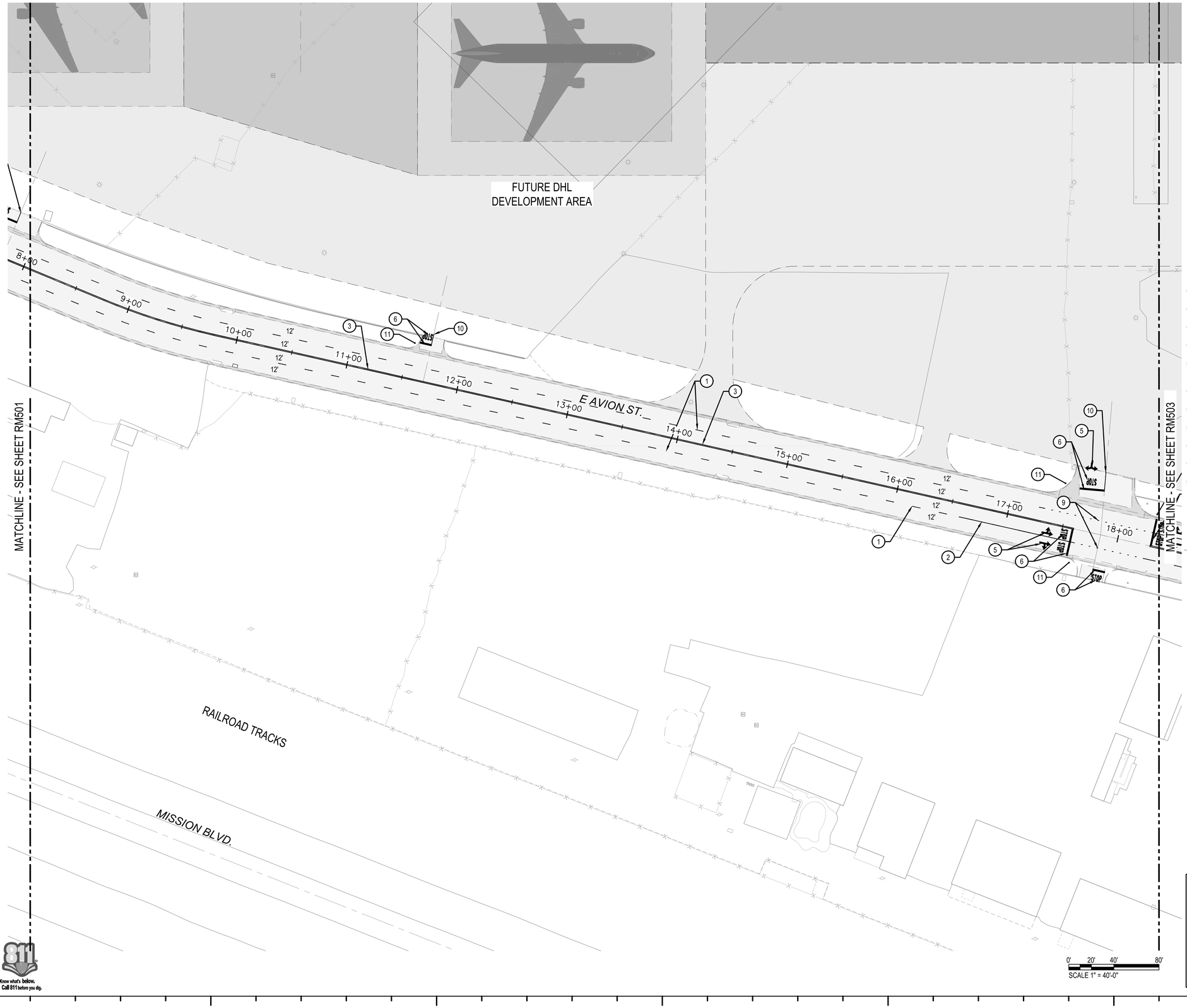
ROADWAY MARKING AND SIGNAGE PLAN 1

No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER **RM501**
SHEET COUNT **41** of **53**

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GENERAL MARKING NOTES:

1. ALL WORK AND MATERIALS SHALL CONFORM TO CALTRANS STANDARD PLANS AND SECTIONS 56, 82, 84, AND 85 OF THE CALTRANS STANDARD SPECIFICATIONS, LATEST EDITION, AND CITY OF ONTARIO SPECIAL PROVISIONS FOR SIGNING AND STRIPING EXCEPT AS INDICATED HEREON.
2. THE CONTRACTOR SHALL RENEW OR REPLACE ANY EXISTING TRAFFIC STRIPING AND/OR PAVEMENT MARKINGS, WHICH DURING HIS OPERATIONS HAVE BEEN EITHER REMOVED OR THE EFFECTIVENESS OF WHICH HAS BEEN REDUCED.
3. ALL SIGNS NOT RELOCATED SHALL BE INSTALLED NEW AND SHALL BE 3M, DIAMOND VIP GRADE OR EQUIVALENT WITH SERIES 1160 PREMIUM PROTECTIVE OVERLAY FILM.
4. SIGNS NOT MOUNTED ON STREET LIGHTS SHALL BE MOUNTED USING TELESPAR 20F12-2, 12 GAUGE POST(S) WITH QUICK PUNCH HOLES, TELESPAR 25K-12-S-2.4 ANCHORS AND TELESPAR TL-220 DRIVE NUTS.
5. ALL SIGNS SHALL BE BLOCKED, OR BLOCKED AND BRACED IN ACCORDANCE WITH NOTE #2 ON CALTRANS STANDARD PLAN RS2. BLOCKS SHALL HAVE A 3/8" HOLE IN THE CENTER SO THAT THEY ARE HELD IN PLACE BETWEEN THE SIGN AND THE POST BY THE CENTER MOUNTING BOLT.
6. IN CASE OF ACCIDENTS INVOLVING SAFETY MATTERS COVERED BY SECTION 6409.1B OF THE CALIFORNIA LABOR CODE, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE STATE DIVISION OF INDUSTRIAL SAFETY.

CONSTRUCTION NOTES:

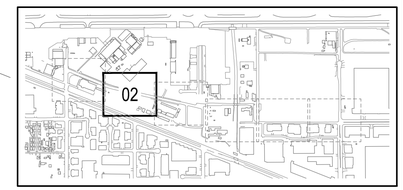
1. INSTALL DETAIL 8 LANE LINE STRIPE
2. INSTALL DETAIL 38A CHANNELIZING LINE STRIPE
3. INSTALL DETAIL 22 DOUBLE YELLOW STRIPE
4. INSTALL DETAIL 28 MEDIAN ISLAND STRIPING
5. INSTALL ROADWAY DIRECTIONAL ARROW MARKING. SEE PLANS FOR ARROW TYPE
6. INSTALL 12" WHITE STOP BAR AND STOP LEGEND(S)
7. INSTALL ROADWAY EDGE MARKING
8. INSTALL PEDESTRIAN CROSSING WALK PATH MARKING
9. INSTALL DETAIL 27C LANE EXTENSION STRIPE
10. INSTALL ROADWAY CENTER MARKING TO LIMITS OF WORK
11. INSTALL R1-1 "STOP" SIGN.

GENERAL LEGEND:

PROPOSED ROADWAY PAVEMENT / CURB & GUTTER / SIDEWALK

PROPOSED PAVEMENT IMPROVEMENT LIMITS

0' 20' 40' 80'
SCALE 1" = 40'-0"



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ROADWAY MARKING AND SIGNAGE PLAN 2

No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER **RM502**
SHEET COUNT **42** of **53**

Plotted By:Bill Marek Sheet Set:Kha Layout:RM-502 June 08, 2021 12:41:16pm J:\77645_ONT_APL_Avion\00_CADD\01_Sheets\RM-501.dwg
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AIRFIELD APRON PAVEMENT

FUTURE DHL
DEVELOPMENT AREA

E AVION ST.

19+00 20+00 21+00 22+00 23+00 24+00 25+00 26+00 27+00 28+00

12' 12' 12' 12' 12' 12' 12' 12'

STOP

MATCHLINE - SEE SHEET RM502

MATCHLINE - SEE SHEET RM504

RAILROAD TRACKS

320.66?
S00° 00' 00.00"E

SEE SW CMS, BOX OR MES LIGHT BASE ELEV.81.93

GENERAL MARKING NOTES:

1. ALL WORK AND MATERIALS SHALL CONFORM TO CALTRANS STANDARD PLANS AND SECTIONS 56, 82, 84, AND 85 OF THE CALTRANS STANDARD SPECIFICATIONS, LATEST EDITION, AND CITY OF ONTARIO SPECIAL PROVISIONS FOR SIGNING AND STRIPING EXCEPT AS INDICATED HEREON.
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4. SIGNS NOT MOUNTED ON STREET LIGHTS SHALL BE MOUNTED USING TELESPAR 20F12-2, 12 GAUGE POST(S) WITH QUICK PUNCH HOLES, TELESPAR 25K-12-S-2.4 ANCHORS AND TELESPAR TL-220 DRIVE NUTS.
5. ALL SIGNS SHALL BE BLOCKED, OR BLOCKED AND BRACED IN ACCORDANCE WITH NOTE #2 ON CALTRANS STANDARD PLAN RS2. BLOCKS SHALL HAVE A 3/8" HOLE IN THE CENTER SO THAT THEY ARE HELD IN PLACE BETWEEN THE SIGN AND THE POST BY THE CENTER MOUNTING BOLT.
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CONSTRUCTION NOTES:

1. INSTALL DETAIL 8 LANE LINE STRIPE
2. INSTALL DETAIL 38A CHANNELIZING LINE STRIPE
3. INSTALL DETAIL 22 DOUBLE YELLOW STRIPE
4. INSTALL DETAIL 28 MEDIAN ISLAND STRIPING
5. INSTALL ROADWAY DIRECTIONAL ARROW MARKING. SEE PLANS FOR ARROW TYPE
6. INSTALL 12" WHITE STOP BAR AND STOP LEGEND(S)
7. INSTALL ROADWAY EDGE MARKING
8. INSTALL PEDESTRIAN CROSSING WALK PATH MARKING
9. INSTALL DETAIL 27C LANE EXTENSION STRIPE
10. INSTALL ROADWAY CENTER MARKING TO LIMITS OF WORK
11. INSTALL R1-1 "STOP" SIGN.

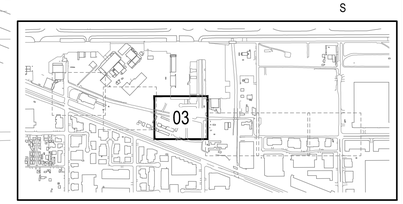
GENERAL LEGEND:

PROPOSED ROADWAY PAVEMENT / CURB & GUTTER / SIDEWALK

PROPOSED PAVEMENT IMPROVEMENT LIMITS

N W E S

0' 20' 40' 80'
SCALE 1" = 40'-0"



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REGISTERED PROFESSIONAL ENGINEER
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No. 55543
Exp. 12/31/22
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STATE OF CALIFORNIA

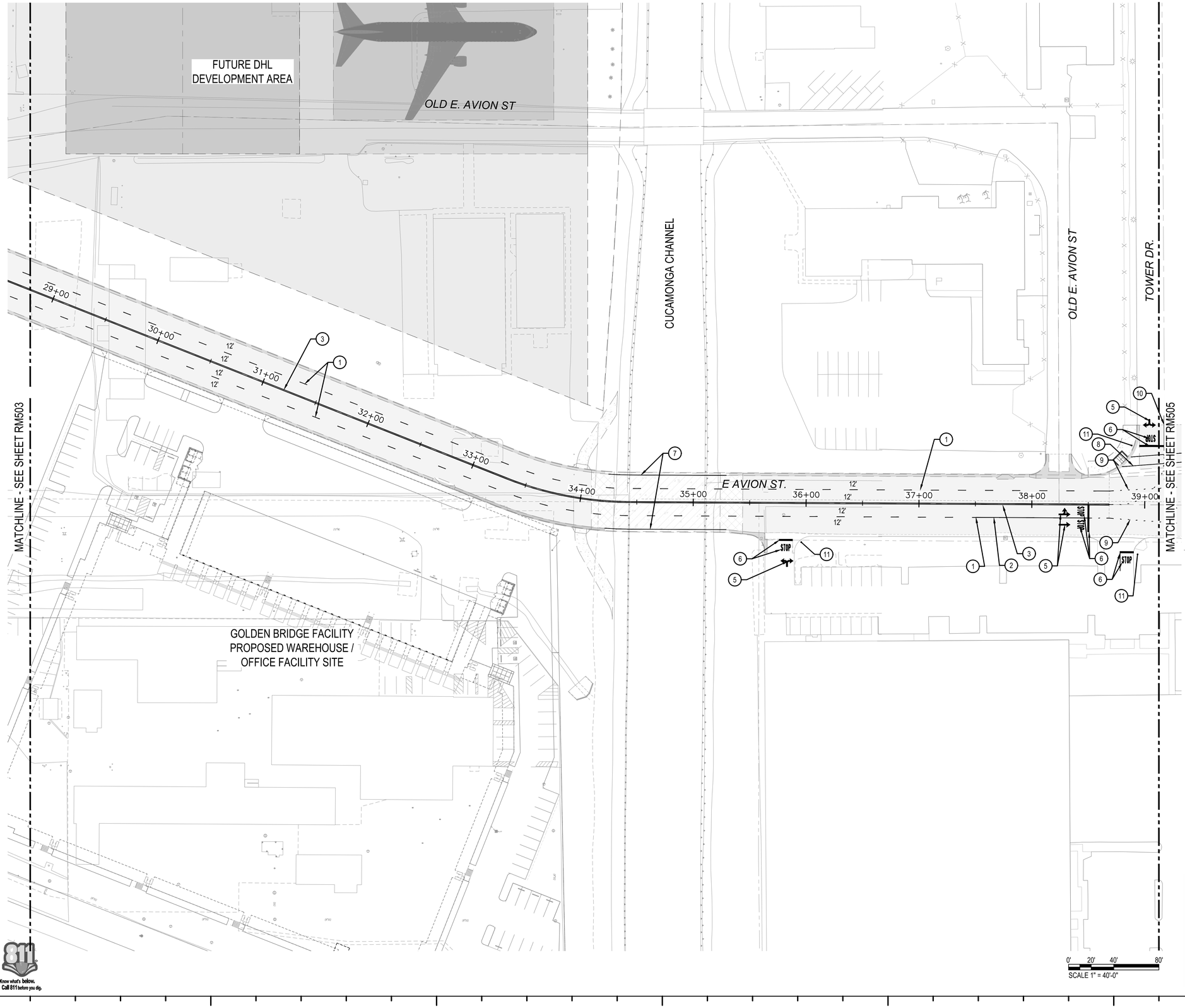
JURUPA / AVION STREET CONSTRUCTION
Ontario International Airport, Ontario, CA

ROADWAY MARKING AND SIGNAGE PLAN 3

No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER **RM503**
SHEET COUNT **43** of **53**

Plotted By:Bill Marek Sheet Set:Kha Layout:RM-503 June 08, 2021 12:42:39pm J:\77645_ONT_APL_Avion\00_CADD\01_Sheets\RM-501.dwg
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CONSTRUCTION NOTES:

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3. INSTALL DETAIL 22 DOUBLE YELLOW STRIPE
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5. INSTALL ROADWAY DIRECTIONAL ARROW MARKING. SEE PLANS FOR ARROW TYPE
6. INSTALL 12" WHITE STOP BAR AND STOP LEGEND(S)
7. INSTALL ROADWAY EDGE MARKING
8. INSTALL PEDESTRIAN CROSSING WALK PATH MARKING
9. INSTALL DETAIL 27C LANE EXTENSION STRIPE
10. INSTALL ROADWAY CENTER MARKING TO LIMITS OF WORK
11. INSTALL R1-1 "STOP" SIGN.

GENERAL LEGEND:

PROPOSED ROADWAY PAVEMENT / CURB & GUTTER / SIDEWALK

PROPOSED PAVEMENT IMPROVEMENT LIMITS

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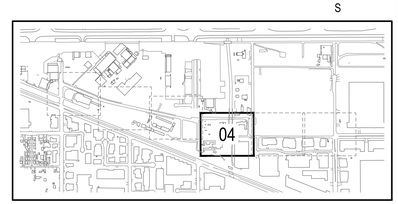
REGISTERED PROFESSIONAL ENGINEER
ANTONE T. FERMELIA
No. 55543
Exp. 12/31/22
CIVIL
STATE OF CALIFORNIA

JURUPA / AVION STREET CONSTRUCTION
Ontario International Airport, Ontario, CA

ROADWAY MARKING AND SIGNAGE PLAN 4

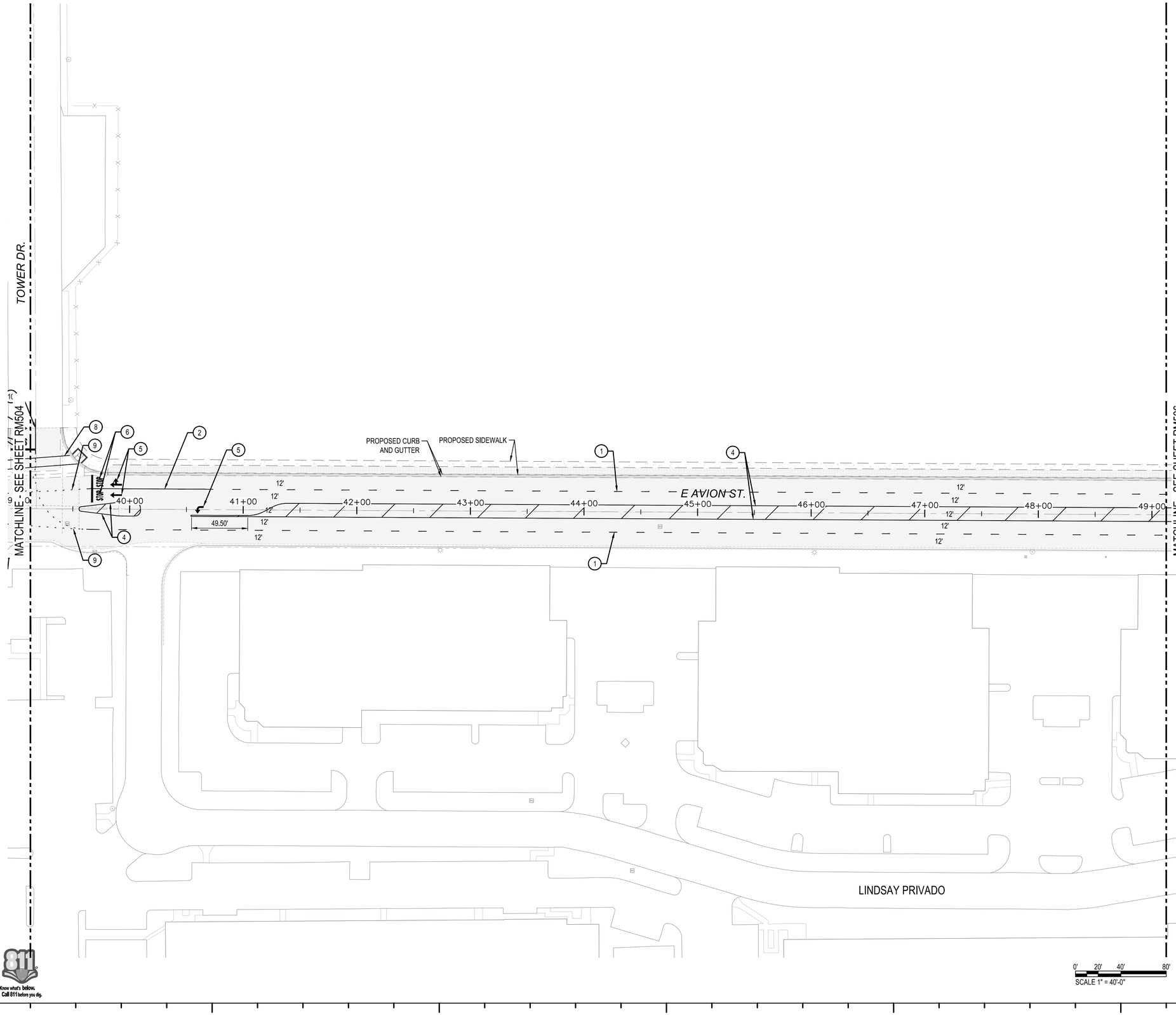
No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER: **RM504**
SHEET COUNT: **44** of **53**



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CONSTRUCTION NOTES:

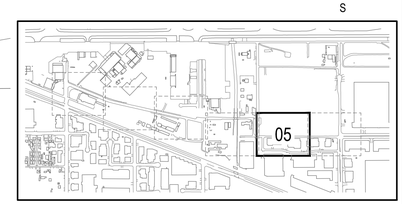
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11. INSTALL R1-1 "STOP" SIGN.

GENERAL LEGEND:

PROPOSED ROADWAY PAVEMENT / CURB & GUTTER / SIDEWALK

PROPOSED PAVEMENT IMPROVEMENT LIMITS

N W E S



0' 20' 40' 80'
SCALE 1" = 40'-0"

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Ontario International Airport, Ontario, CA

ROADWAY MARKING AND SIGNAGE PLAN 5

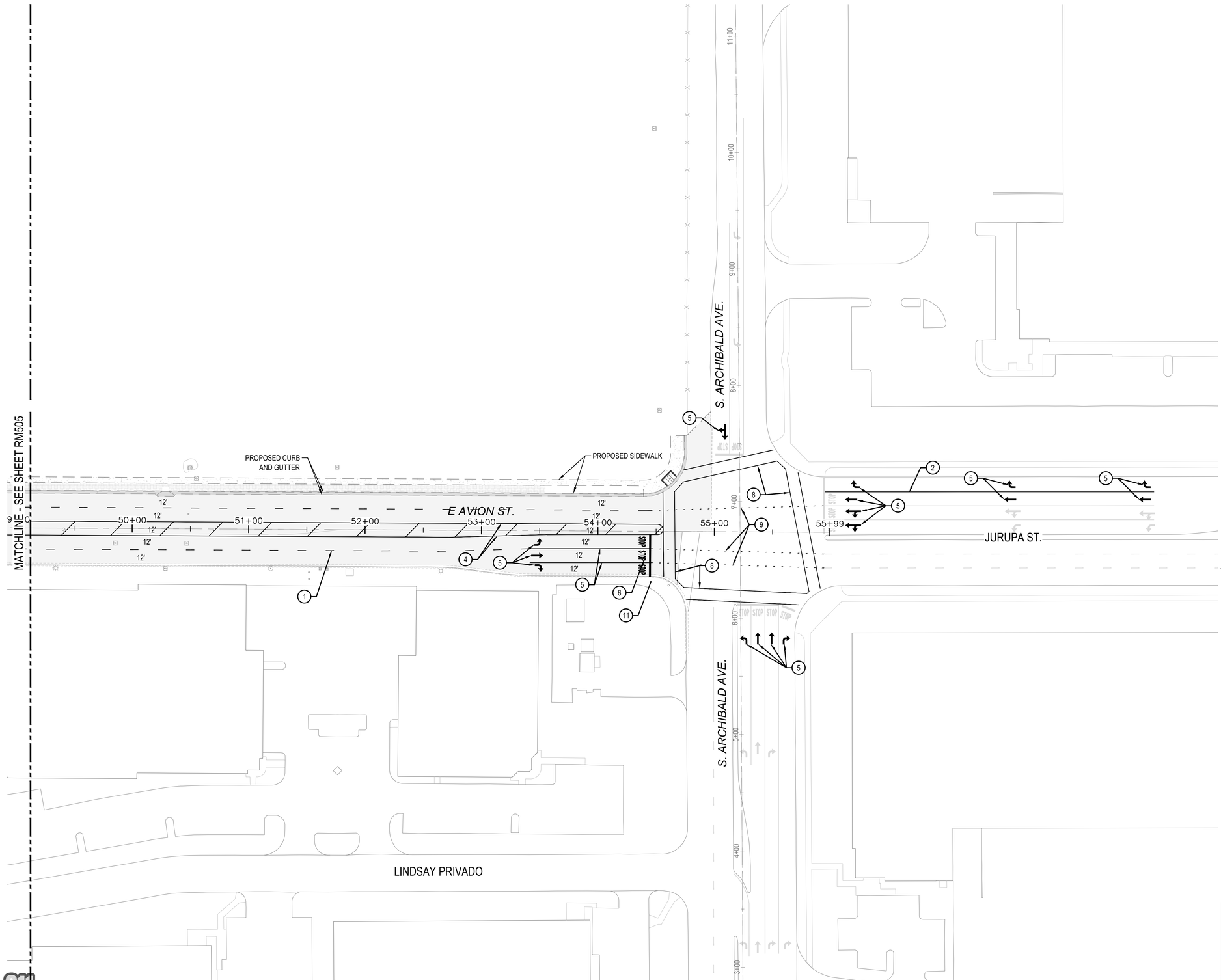
No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER **RM505**
SHEET COUNT **45** of **53**

Plotted By:Bill Marek Sheet Set:Kha Layout:RM-505 June 08, 2021 12:45:09pm J:\77645_ONT_APL_Avion\00_CADD\01_Sheets\RM-501.dwg
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9. INSTALL DETAIL 27C LANE EXTENSION STRIPE
10. INSTALL ROADWAY CENTER MARKING TO LIMITS OF WORK
11. INSTALL R1-1 "STOP" SIGN.

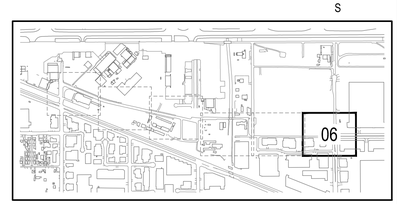
GENERAL LEGEND:

PROPOSED ROADWAY PAVEMENT / CURB & GUTTER / SIDEWALK

PROPOSED PAVEMENT IMPROVEMENT LIMITS

N W E S

0' 20' 40' 80'
SCALE 1" = 40'-0"



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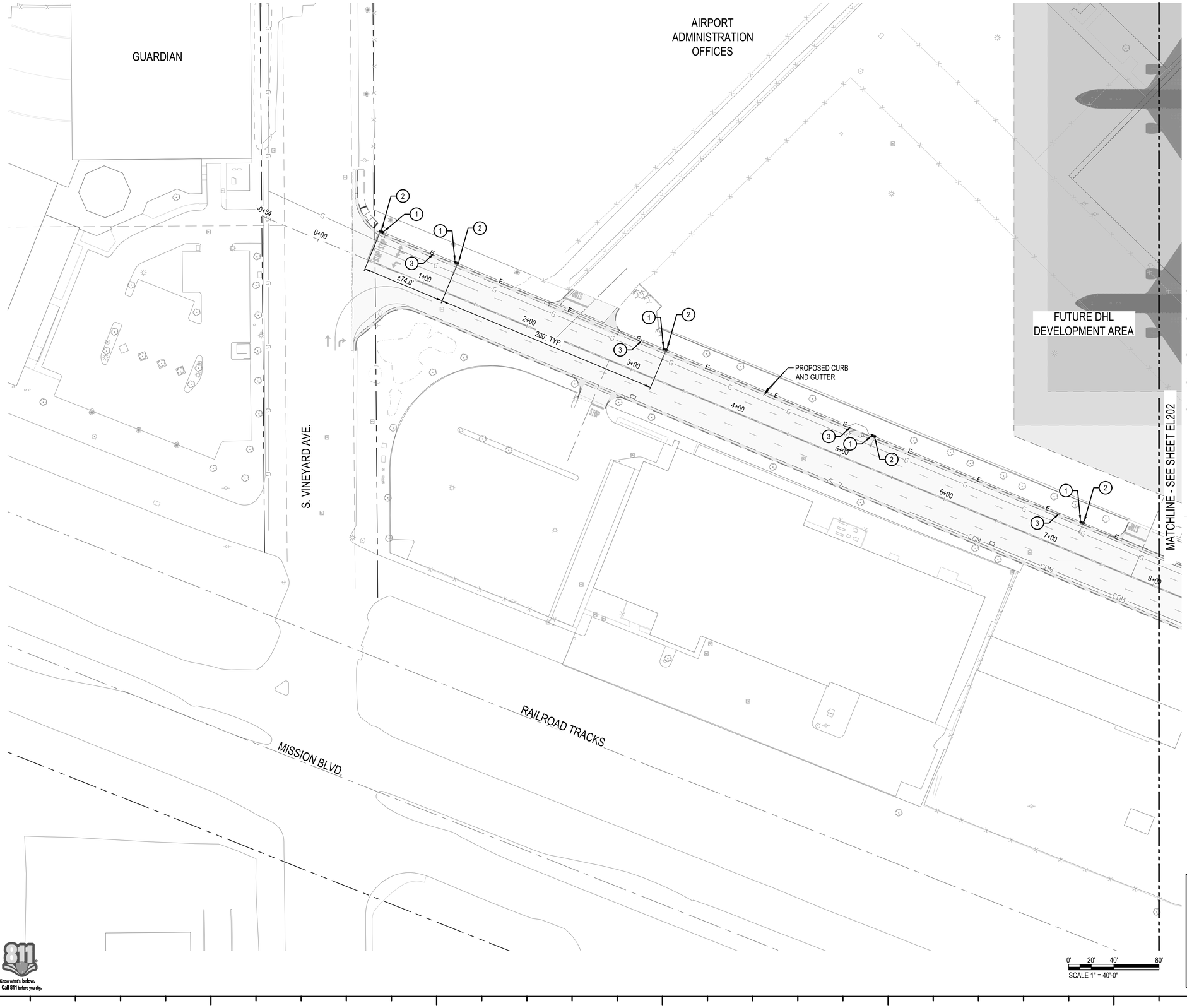
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No. 55543
Exp. 12/31/22
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CONSTRUCTION
Ontario International Airport, Ontario, CA

ROADWAY MARKING AND SIGNAGE PLAN 6

No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER **RM506**
SHEET COUNT **46** of **53**



GENERAL MARKING NOTES:

1. ELECTRICAL GENERAL NOTES AND LAYOUT DESCRIPTION TEXT HERE

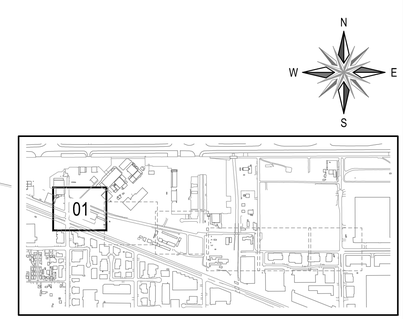
CONSTRUCTION NOTES:

1. INSTALL #3 1/2" PULLBOX PER CITY OF ONTARIO STD. DWG. 5102. SEE DETAIL 5 ON SHEET CC401.
2. INSTALL STANDARD STREET LIGHT POLE PER CITY OF ONTARIO STD. DWG. 5101. USE GROUP III LED PER STD. 5101A OR AND APPROVED EQUAL. SEE DETAIL 4 ON SHEET CC401.
3. INSTALL 1-1/2" SCH. 80 CONDUIT WITH (2) #8 AND 1 #8 GROUND WIRE
4. PROPOSED SCE UNDERGROUND CONDUIT RELOCATION, WORK BY OTHERS, SEE WAREHOUSE DEVELOPMENT
5. ADJUST OVERHEAD SEC LINE TO NEW POWER POLE LOCATION, WORK BY OTHERS, SEE WAREHOUSE DEVELOPMENT.

GENERAL LEGEND:

PROPOSED ROADWAY PAVEMENT / CURB & GUTTER / SIDEWALK

PROPOSED PAVEMENT IMPROVEMENT LIMITS



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Ontario International Airport, Ontario, CA

ROADWAY ELECTRICAL LIGHTING AND POWER PLAN 1

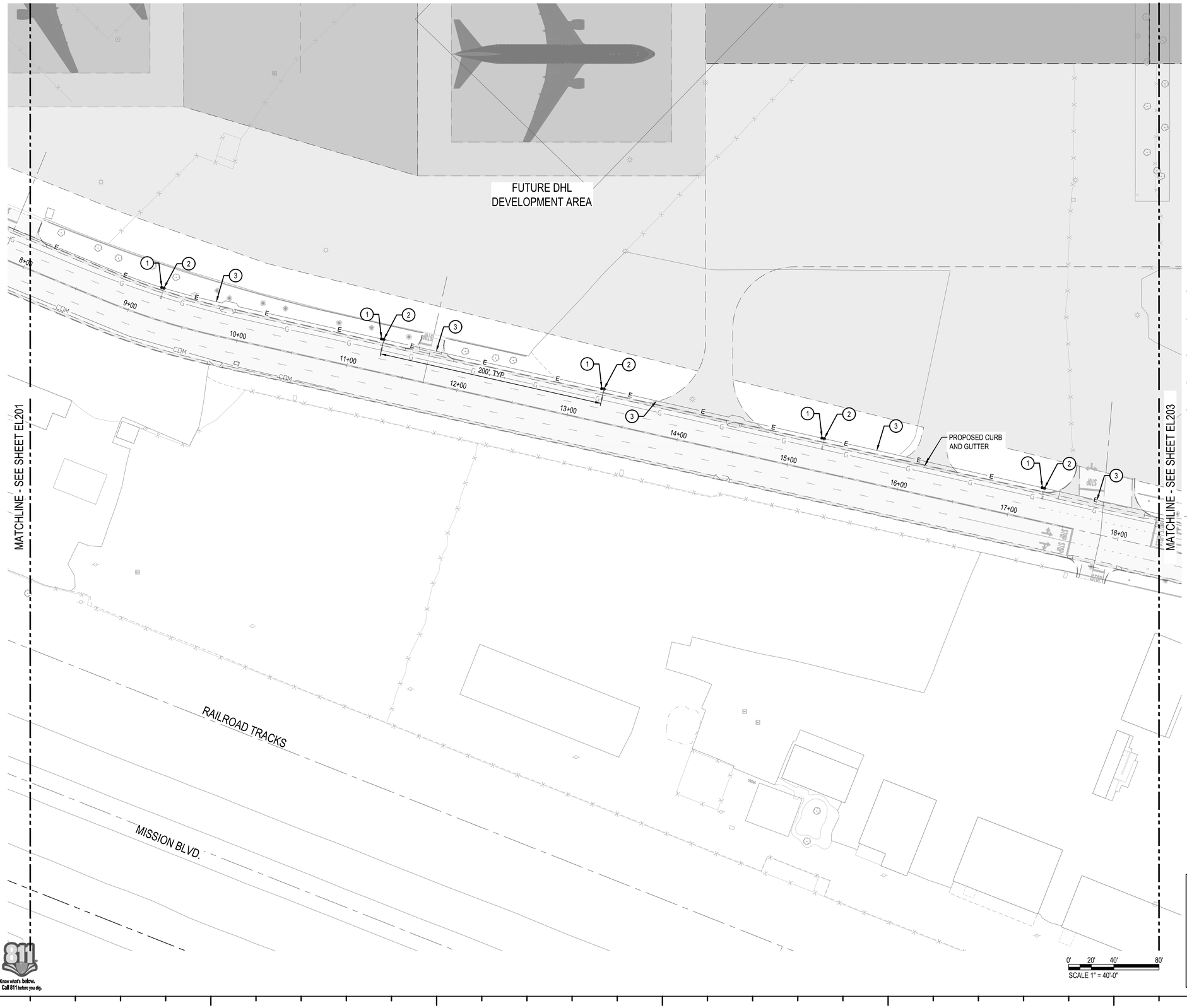
No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER **EL201**
SHEET COUNT **47** of **53**

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GENERAL MARKING NOTES:

1. ELECTRICAL GENERAL NOTES AND LAYOUT DESCRIPTION TEXT HERE

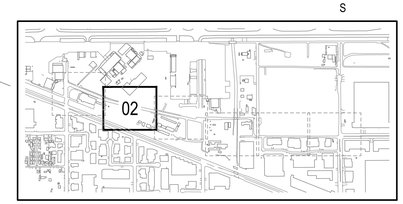
CONSTRUCTION NOTES:

1. INSTALL #3 1/2" PULLBOX PER CITY OF ONTARIO STD. DWG. 5102. SEE DETAIL 5 ON SHEET CC401.
2. INSTALL STANDARD STREET LIGHT POLE PER CITY OF ONTARIO STD. DWG. 5101. USE GROUP III LED PER STD. 5101A OR AND APPROVED EQUAL. SEE DETAIL 4 ON SHEET CC401.
3. INSTALL 1-1/2" SCH. 80 CONDUIT WITH (2) #8 AND 1 #8 GROUND WIRE
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5. ADJUST OVERHEAD SEC LINE TO NEW POWER POLE LOCATION, WORK BY OTHERS, SEE WAREHOUSE DEVELOPMENT.

GENERAL LEGEND:

PROPOSED ROADWAY PAVEMENT / CURB & GUTTER / SIDEWALK

PROPOSED PAVEMENT IMPROVEMENT LIMITS



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Ontario International Airport, Ontario, CA

ROADWAY ELECTRICAL
LIGHTING AND POWER
PLAN 2

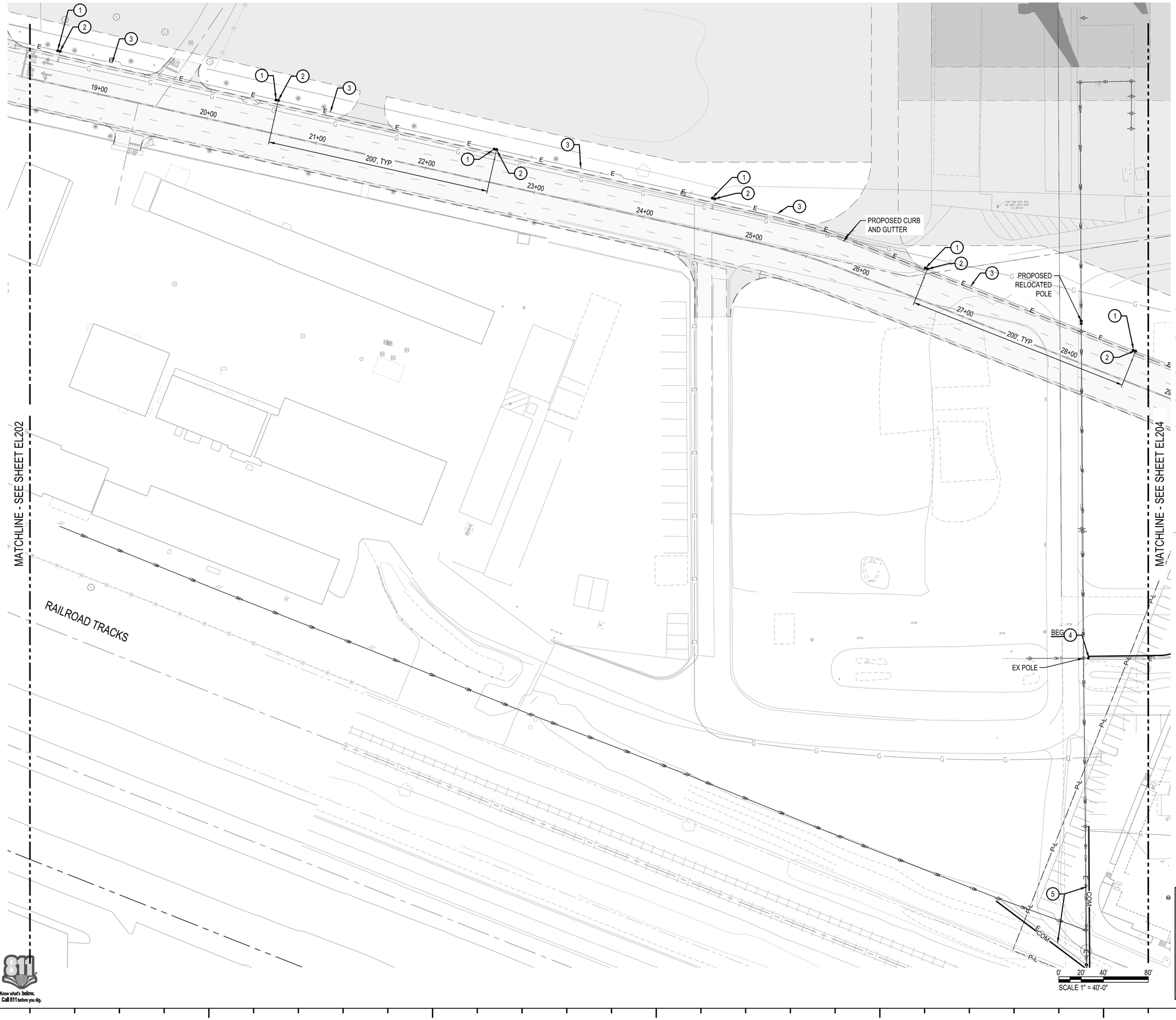
No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER **EL202**
SHEET COUNT **48** of **53**

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GENERAL MARKING NOTES:

1. ELECTRICAL GENERAL NOTES AND LAYOUT DESCRIPTION TEXT HERE

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GENERAL LEGEND:

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Ontario International Airport, Ontario, CA

ROADWAY ELECTRICAL LIGHTING AND POWER PLAN 3

No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER **EL203**
SHEET COUNT **49** of **53**

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Plotted By: Bill Marek Sheet Set: Kha Layout: EL-204 June 08, 2021 12:56:56pm J:\77645_ONT_APL_Avion\00_CADD\01_Sheets\EL-201.dwg
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FUTURE DHL DEVELOPMENT AREA

CUCAMONGA CHANNEL

AVION ST.

TOWER DR.

MATCHLINE - SEE SHEET EL203

MATCHLINE - SEE SHEET EL205

PROPOSED CURB AND GUTTER

200' TYP.

ELECTRICAL AND COMM WORK BY OTHERS, SEE WAREHOUSE DEVELOPMENT

EXISTING SCE AND FRONTIER OVERHEAD LINES

GOLDEN BRIDGE FACILITY
PROPOSED WAREHOUSE / OFFICE FACILITY SITE

29+00 30+00 31+00 32+00 33+00 34+00 35+00 36+00 37+00 38+00 39+00

GENERAL MARKING NOTES:

1. ELECTRICAL GENERAL NOTES AND LAYOUT DESCRIPTION TEXT HERE

CONSTRUCTION NOTES:

1. INSTALL #3 1/2" PULLBOX PER CITY OF ONTARIO STD. DWG. 5102. SEE DETAIL 5 ON SHEET CC401.
2. INSTALL STANDARD STREET LIGHT POLE PER CITY OF ONTARIO STD. DWG. 5101. USE GROUP III LED PER STD. 5101A OR AND APPROVED EQUAL. SEE DETAIL 4 ON SHEET CC401.
3. INSTALL 1-1/2" SCH. 80 CONDUIT WITH (2) #8 AND 1 #8 GROUND WIRE
4. PROPOSED SCE UNDERGROUND CONDUIT RELOCATION, WORK BY OTHERS, SEE WAREHOUSE DEVELOPMENT
5. ADJUST OVERHEAD SEC LINE TO NEW POWER POLE LOCATION, WORK BY OTHERS, SEE WAREHOUSE DEVELOPMENT.

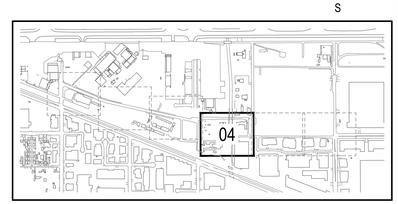
GENERAL LEGEND:

PROPOSED ROADWAY PAVEMENT / CURB & GUTTER / SIDEWALK

PROPOSED PAVEMENT IMPROVEMENT LIMITS

N W E S

0' 20' 40' 80'
SCALE 1" = 40'-0"



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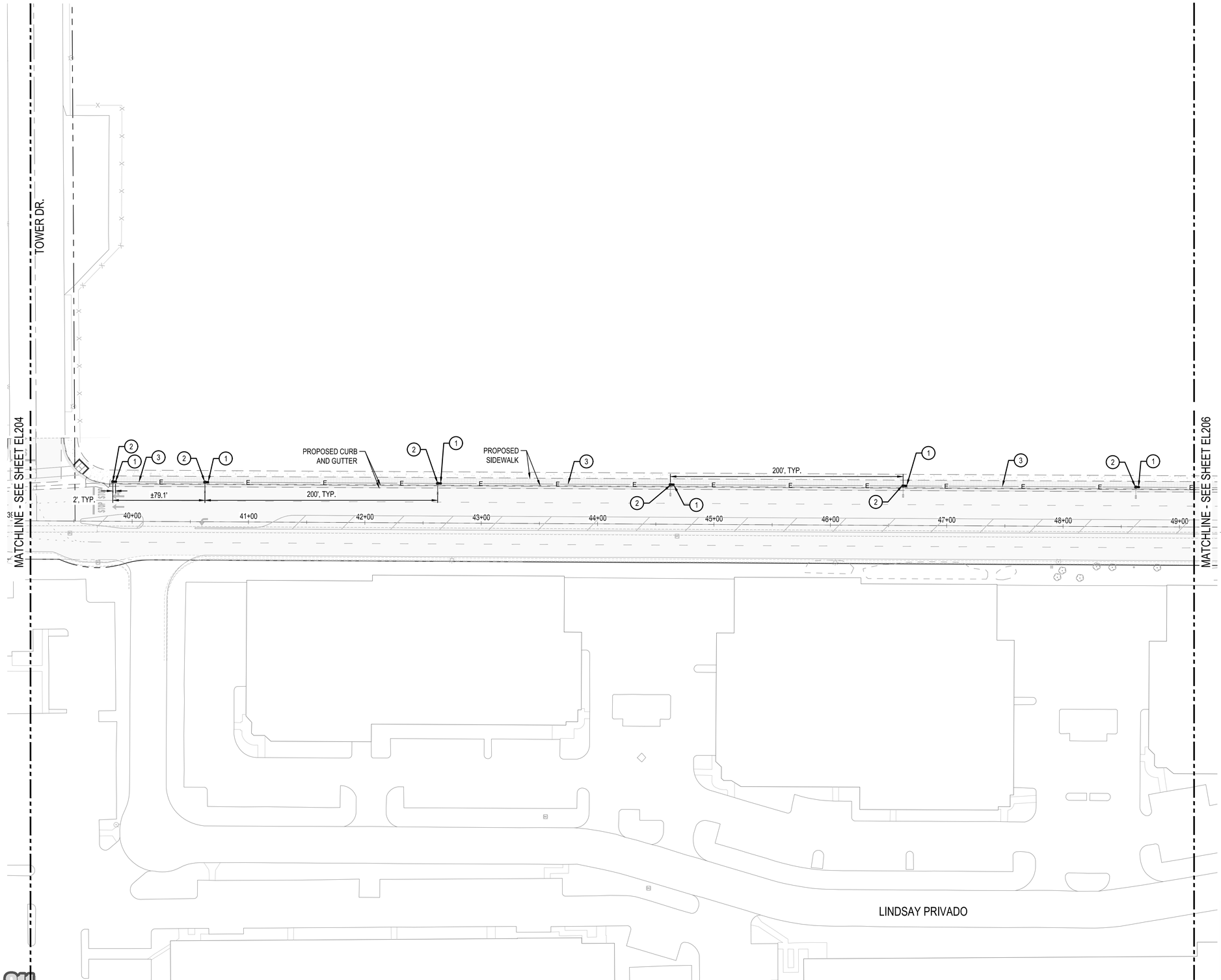
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ROADWAY ELECTRICAL LIGHTING AND POWER PLAN 4

No.	REVISIONS	DATE	BY

ISSUE DATE: 6 / 10 / 2021
DESIGNED BY: GB
DRAWN BY: WPM
REVIEWED BY: TTF
PROJECT NUMBER: 1940XXXXX
SHEET NUMBER **EL204**
SHEET COUNT **50** of **53**



GENERAL MARKING NOTES:

1. ELECTRICAL GENERAL NOTES AND LAYOUT DESCRIPTION TEXT HERE

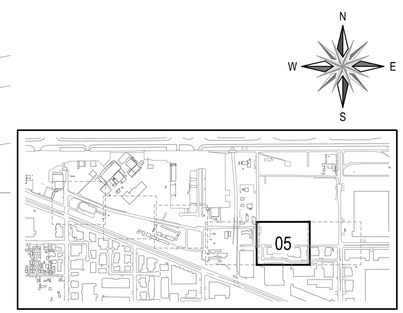
CONSTRUCTION NOTES:

1. INSTALL #3 1/2" PULLBOX PER CITY OF ONTARIO STD. DWG. 5102. SEE DETAIL 5 ON SHEET CC401.
2. INSTALL STANDARD STREET LIGHT POLE PER CITY OF ONTARIO STD. DWG. 5101. USE GROUP III LED PER STD. 5101A OR AND APPROVED EQUAL. SEE DETAIL 4 ON SHEET CC401.
3. INSTALL 1-1/2" SCH. 80 CONDUIT WITH (2) #8 AND 1 #8 GROUND WIRE
4. PROPOSED SCE UNDERGROUND CONDUIT RELOCATION, WORK BY OTHERS, SEE WAREHOUSE DEVELOPMENT
5. ADJUST OVERHEAD SEC LINE TO NEW POWER POLE LOCATION, WORK BY OTHERS, SEE WAREHOUSE DEVELOPMENT.

GENERAL LEGEND:

PROPOSED ROADWAY PAVEMENT / CURB & GUTTER / SIDEWALK

PROPOSED PAVEMENT IMPROVEMENT LIMITS



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ROADWAY ELECTRICAL LIGHTING AND POWER PLAN 5

No.	REVISIONS	DATE	BY

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PROJECT NUMBER: 1940XXXXX
SHEET NUMBER **EL205**
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GENERAL MARKING NOTES:

1. ELECTRICAL GENERAL NOTES AND LAYOUT DESCRIPTION TEXT HERE

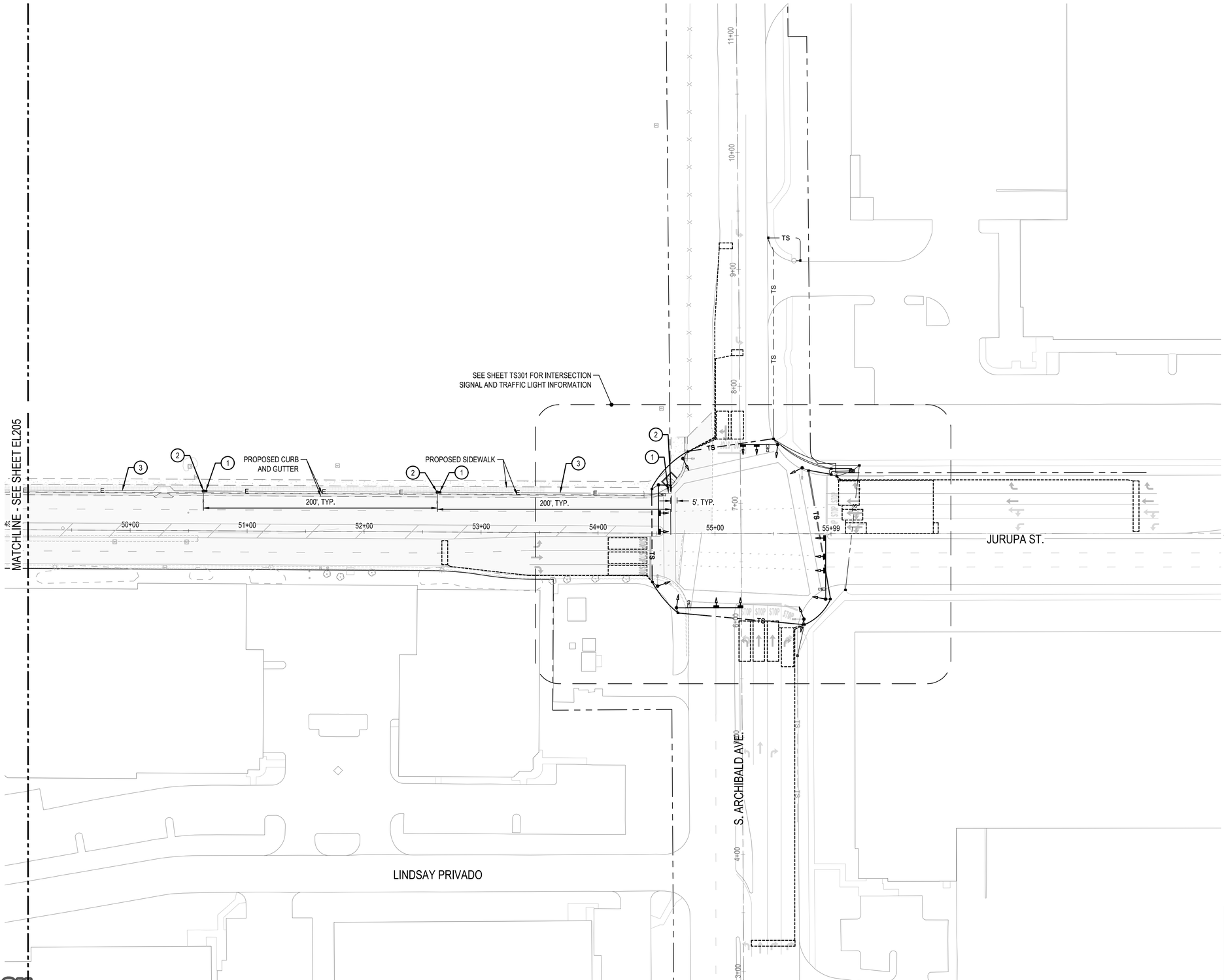
CONSTRUCTION NOTES:

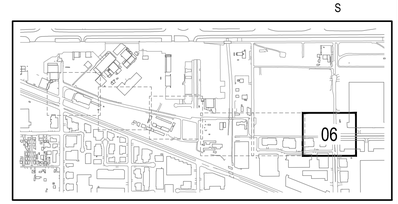
1. INSTALL #3 1/2" PULLBOX PER CITY OF ONTARIO STD. DWG. 5102. SEE DETAIL 5 ON SHEET CC401.
2. INSTALL STANDARD STREET LIGHT POLE PER CITY OF ONTARIO STD. DWG. 5101. USE GROUP III LED PER STD. 5101A OR AND APPROVED EQUAL. SEE DETAIL 4 ON SHEET CC401.
3. INSTALL 1-1/2" SCH. 80 CONDUIT WITH (2) #8 AND 1 #8 GROUND WIRE
4. PROPOSED SCE UNDERGROUND CONDUIT RELOCATION, WORK BY OTHERS, SEE WAREHOUSE DEVELOPMENT
5. ADJUST OVERHEAD SEC LINE TO NEW POWER POLE LOCATION, WORK BY OTHERS, SEE WAREHOUSE DEVELOPMENT.

GENERAL LEGEND:

PROPOSED ROADWAY PAVEMENT / CURB & GUTTER / SIDEWALK

PROPOSED PAVEMENT IMPROVEMENT LIMITS





SCALE 1" = 40'-0"

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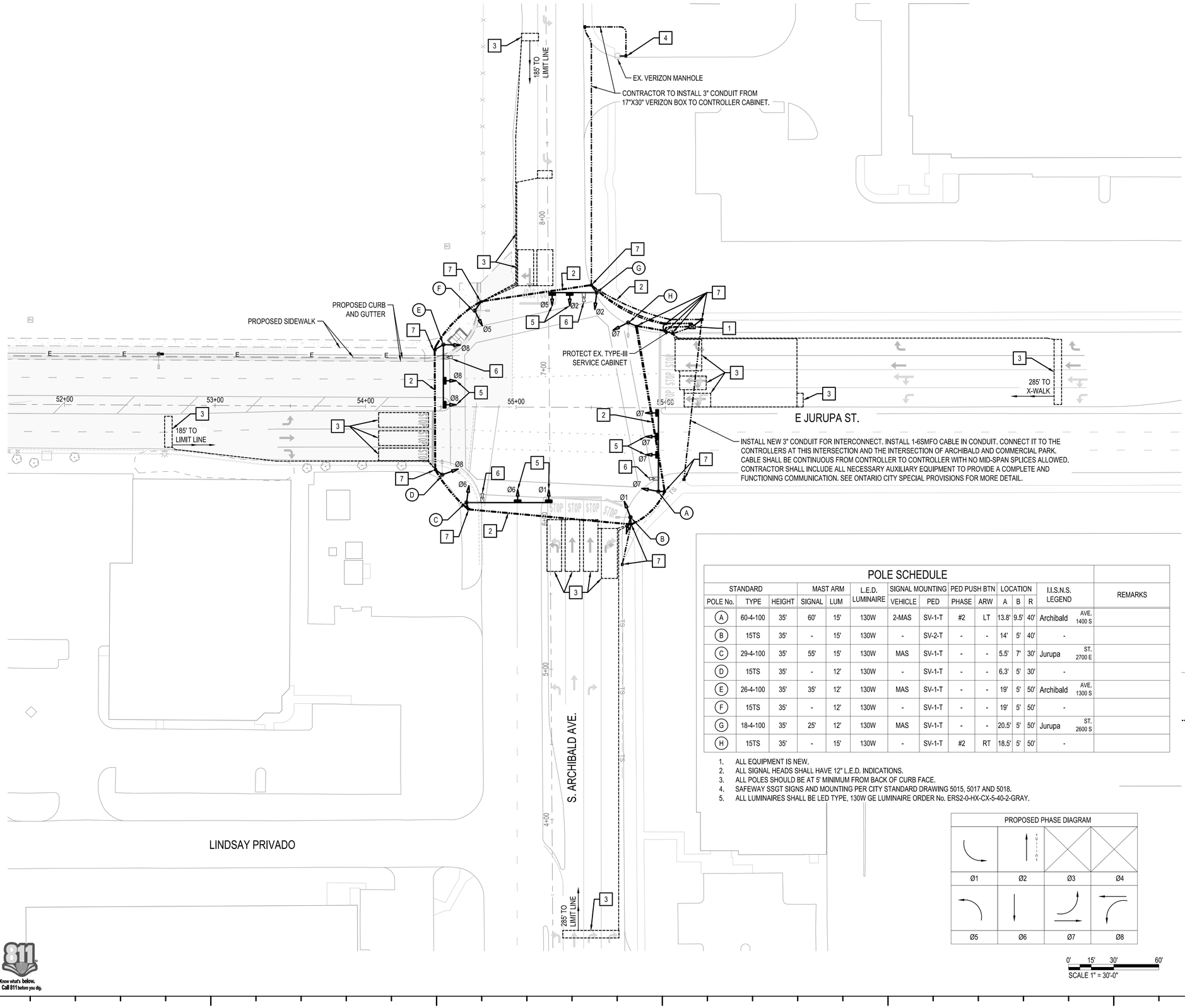
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ROADWAY ELECTRICAL LIGHTING AND POWER PLAN 6

No.	REVISIONS	DATE	BY

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SHEET NUMBER: **EL206**
SHEET COUNT: **52** of **53**

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GENERAL MARKING NOTES:

1. REFER TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 2018 EDITION OR LATEST EDITION. THE SPECIAL PROVISIONS AND REFERENCED STANDARD PLANS FOR ADDITIONAL REQUIREMENTS NOT SHOWN ON THE PLANS.
2. THE GPS UNIVERSAL TIME BASE UNIT ANTENNA SHALL BE LOCATED ON THE STREET SIDE OF THE TOP OF THE CONTROLLER CABINET.
3. ALL WIRING SHALL BE MARKED (TAGGED) WITHIN THE CONTROLLER CABINET FOR PHASE IDENTIFICATION.
4. ALL SIGNAL EQUIPMENT SHALL BE WIRED IN ACCORDANCE WITH THE PROPOSED SIGNAL DIAGRAM.
5. ALL LOOPS SHALL BE CENTERED IN THE MIDDLE OF THE LANE AND FRONT LOOPS SHALL BE PLACED BEHIND THE EDGE OF THE CROSSWALK OR LIMIT LINE, UNLESS OTHERWISE NOTED.
6. ALL LOOPS SHALL BE ROUND PER CITY OF ONTARIO ARCHIBALD AVENUE DESIGN, UNLESS OTHERWISE NOTED.
7. ⃠ INDICATED BICYCLE LOOP DETECTOR.
8. ALL CONFLICTING LINES AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING AND INCLUDES REMOVAL OF RAISED PAVEMENT MARKERS AND FINISHED WITH ASPHALT EMULSION SEALER.
9. SEE TRAFFIC SIGNAL INSTALLATION PLAN, ARCHIBALD AVENUE AT JURUPA STREET FOR ADDITIONAL INFORMATION AND APPROVED LAYOUT.

CONSTRUCTION NOTES:

1. INSTALL CONTROLLER
2. INSTALL CONDUIT FOR RECONFIGURATION OF CONDUCTORS TO CONTROLLER, SEE TRAFFIC INSTALLATION PLAN FOR ADDITIONAL INFORMATION
3. INSTALL VEHICLE DETECTION LOOP(S) PER LADOT STD. DWG NO. S-70.1A
4. INSTALL 17"X30" TRAFFIC BOX MARKED "VERIZON", VERIZON TO PROVIDE COMMUNICATION TO INTERSECTION.
5. TRAFFIC SIGNAL
6. CAMERA
7. INSTALL 6E PULLBOX

POLE SCHEDULE

POLE No.	STANDARD TYPE	STANDARD HEIGHT	MAST ARM SIGNAL	MAST ARM LUM	L.E.D. LUMINAIRE	SIGNAL MOUNTING VEHICLE	SIGNAL MOUNTING PED	PED PUSH BTN PHASE	PED PUSH BTN ARW	LOCATION A	LOCATION B	LOCATION R	I.I.S.N.S. LEGEND	REMARKS
A	60-4-100	35'	60'	15'	130W	2-MAS	SV-1-T	#2	LT	13.8'	9.5'	40'	Archibald AVE, 1400 S	
B	15TS	35'	-	15'	130W	-	SV-2-T	-	-	14'	5'	40'	-	
C	29-4-100	35'	55'	15'	130W	MAS	SV-1-T	-	-	5.5'	7'	30'	Jurupa ST, 2700 E	
D	15TS	35'	-	12'	130W	-	SV-1-T	-	-	6.3'	5'	30'	-	
E	26-4-100	35'	35'	12'	130W	MAS	SV-1-T	-	-	19'	5'	50'	Archibald AVE, 1300 S	
F	15TS	35'	-	12'	130W	-	SV-1-T	-	-	19'	5'	50'	-	
G	18-4-100	35'	25'	12'	130W	MAS	SV-1-T	-	-	20.5'	5'	50'	Jurupa ST, 2600 S	
H	15TS	35'	-	15'	130W	-	SV-1-T	#2	RT	18.5'	5'	50'	-	

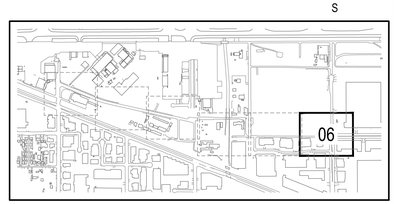
1. ALL EQUIPMENT IS NEW.
2. ALL SIGNAL HEADS SHALL HAVE 12" L.E.D. INDICATIONS.
3. ALL POLES SHOULD BE AT 5' MINIMUM FROM BACK OF CURB FACE.
4. SAFEWAY SSGT SIGNS AND MOUNTING PER CITY STANDARD DRAWING 5015, 5017 AND 5018.
5. ALL LUMINAIRES SHALL BE LED TYPE, 130W GE LUMINAIRE ORDER No. ERS2-0-HX-CX-5-40-2-GRAY.

GENERAL LEGEND:

- PROPOSED ROADWAY PAVEMENT / CURB & GUTTER / SIDEWALK
- PROPOSED PAVEMENT IMPROVEMENT LIMITS
- PROPOSED TRAFFIC SIGNAL CONDUCTOR / CONDUIT, SEE CITY OF ONTARIO APPROVED TRAFFIC SIGNAL INSTALLATION PLAN, ARCHIBALD AVE AT JURUPA STREET

PROPOSED PHASE DIAGRAM			
Ø1	Ø2	Ø3	Ø4
Ø5	Ø6	Ø7	Ø8

SCALE 1" = 30'-0"



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TRAFFIC SIGNAL PLAN - ARCHIBALD AVE AT E. JURUPA STREET

No.	REVISIONS	DATE	BY

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